PK-3

THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE

SHEET INDEX

GENERAL SHEET

G0.10	COVER SHEET
G0.11	PROJECT DATA SHEET
G0.12	SHEET INDEX
G1.11	CAMPUS PLAN - PATH OF TRAVEL
G1.12	CODE ANALYSIS PLAN
G1.13	CODE ANALYSIS
G1.21	EXITING ANALYSIS
G1.22	EXITING ANALYSIS (CONT)
G1.51	LOCAL FIRE AUTHORITY SITE ACCESS PLAN

9

CIVIL

C-1.0	GENERAL NOTES, LEGENDS, AND ABBREVIATIONS
C-1.1	EXISTING CONDITIONS
C-1.3	POT ANALYSIS
C-1.4	POT ANALYSIS
C-1.5	OVERALL SITE PLAN
CD-1.0	ENLARGED SITE DEMOLITION PLAN
C-2.0	ENLARGED SITE CONTROL PLAN
C-3.0	ENLARGED SITE GRADING PLAN
C-5.0	MISCELLANEOUS DETAILS

9

ARCHITECTURE

A1.01	SITE DEMOLITION PLAN
A1.21	PROJECT SITE PLAN
A7.20	DEMOLITION BUILDING G1
A7.21	ENLARGED BUILDING G1
A7.22	ENLARGED BUILDING B
A7.23	ENLARGED COURTS W/PORTABLES, SPEECH ROOM AND NURSE ROOM
A7.24	ENLARGED RESTROOM PLANS
A7.25	ENLARGED RESTROOM PLANS
A10.01	MISCELLANEOUS DETAILS
A10.03	BAND ROOM LAYOUT
A10.04	EQUIPMENT INVENTORY
A10.71	TYPICAL RESTROOM & ACCESSIBILITY DETAILS
A10.81	SIGNAGE DETAILS

13

ELECTRICAL

E0.10	ELECTRICAL FRONT SHEET
E0.11	ELECTRICAL LEGEND AND ABBREVIATIONS
E0.12	ELECTRICAL SINGLE LINE DIAGRAM AND PANEL SCHEDULE
E0.13	ELECTRICAL PANEL SCHEDULE
E1.21	ELECTRICAL SITE PLAN
E2.21	ELECTRICAL ENLARGED POWER PLAN -BUILDING G1
E2.22	ELECTRICAL ENLARGED POWER PLAN -BUILDING B
E2.31	ELECTRICAL ENLARGED POWER PLAN -PORTABLES
E10.01	ELECTRICAL DETAILS

9

FIRE ALARM

FA0.10	FIRE ALARM FRONT SHEET
FA0.11	FIRE ALARM LEGEND AND ABBREVIATIONS
FA0.12	FIRE ALARM RISER DIAGRAM AND CALCULATIONS
FA1.01	FIRE ALARM DEMOLITION SITE PLAN
FA1.21	FIRE ALARM SITE PLAN
FA2.31	FIRE ALARM ENLARGED PLAN - PORTABLES
FA-10.1	FIRE ALARM DETAILS SHEET

7

PORTABLES - 24' X 40' EXPANDABLE TO 120' X 40' - COVER

A0.0	COVER SHEET
A0.0.1	PROJECT OPTIONS SCHEDULE
A0.1	TYPICAL KEY PLAN AND SCHEDULES, GEN NOTES
A0.2	SIGNAGE AND SYMBOLS
A0.3	DSA-103 T&I CONCRETE FLOORS
A0.4	DSA-103 T&I PLYWOOD FLOORS
A0.5	CALGREEN SPEC'S
A0.6	CALGREEN CHECKLIST
A0.7	CALGREEN CHECKLIST
A0.8	CALGREEN CHECKLIST

10

PORTABLES - 24' X 40' EXPANDABLE TO 120' X 40' - ARCHITECTURAL

A1.0	24X40 FLOOR PLAN
A1.1.	36X40 FLOOR PLAN
A1.2	48X40 thru 120X40 FLOOR PLAN
A2.1 (A)	ARCHITECTURAL DETAILS (WOOD FRAMING SHTG FINISH)
A2.1 (B)	ARCHITECTURAL WUI DETAILS (WOOD FRAMING SHTG FINISH)
A2.2	ARCHITECTURAL DETAILS (WOOD FRAMING PLASTER FINISH)
A2.5 (A)	ARCHITECTURAL DETAILS (1-HR WOOD FRAMING SHTG FINISH)
A2.5 (B)	ARCHITECTURAL WUI DETAILS (1-HR WOOD FRAMING SHTG FINISH)
A2.6	ARCHITECTURAL DETAILS (1HR WOOD FRAMING PLASTER FINISH)
A2.7	WUI NOTES AND CRITERIA
A2.9	ARCHITECTURAL DETAILS (FLOORS)
A2.9.1	DETERIORATION PROT. NON-WOOD FINISH SIDING CONC FLOOR - WD STUDS
A2.9.2	DETERIORATION PROT. STUCCO EXTERIOR FINISH CONC FLOOR - WD STUDS
A2.9.3	DETERIORATION PROT. NON-WOOD FINISH SIDING WOOD FLOOR - WD STUDS
A2.9.4	DETERIORATION PROT. STUCCO EXTERIOR FINISH WOOD FLOOR - WD STUDS
A2.9.9	DETERIORATION T-111 EXTERIOR FINISH WOOD FLOOR - WD STUDS
A3.0	ADDITIONAL FIRE RATING DETAILS AND NOTES
A3.0.1	FIRE SEPARATION & PENETRATION DETAILS
A3.1	SINGLE OCC. BATHROOM
A3.1.1	BATHROOM MOUTING HEIGHTS
A3.1.2	SINGLE OCC. BATHROOM COMBINED AGE GROUP
A3.2	RCP
A3.2.1	CEILING NOTES
A3.3	CEILING DETAILS (T-GRID)
A3.4	CEILING DETAILS (GYP BOARD)
A4.0.1	ROOF PLAN MONO SLOPE (STANDING SEAM)
A4.0.2	ROOF PLAN DUAL SLOPE (STANDING SEAM)
A4.1	ROOF DETAILS (STANDING SEAM)
A4.2.1	ROOF PLAN MONO SLOPE (EPDM)
A4.2.2	ROOF PLAN DUAL SLOPE (EPDM)
A4.3	ROOF DETAILS (EPDM)
A4.4.1	ROOF PLAN w/ PARAPET MONO SLOPE (EPDM)
A4.5	ARCHITECTURAL DETAILS (PARAPET)
A5.0	SIDEWALL ELEVATION
A5.1	ENDWALL ELEVATIONS
A5.2	INTERIOR ELEVATIONS
A6.0	SECTION - STANDING SEAM (MONO)
A6.0.1	SECTION - STANDING SEAM (DUAL)
A6.1	SECTION - EPDM (DUAL)
A6.2	SECTION
A6.3	SECTION - EPDM (MONO)
A7.0	ADDITIONAL OPTION DETAILS
A7.1	ADDITIONAL OPTION DETAILS
A7.2	ADDITIONAL OPTION DETAILS

44

PORTABLES - 24' X 40' EXPANDABLE TO 120' X 40' - MEP

E0.1	ELECTRICAL GENERAL NOTES
E1.0	ELECTRICAL PLAN 24x40
E1.1	ELECTRICAL SCHEDULES 24x40
E1.2	ELECTRICAL PLAN 36x40
E1.3	ELECTRICAL SCHEDULES 36x40
E1.4	ELECTRICAL PLAN 48x40 thru 120x40
E1.5	ELECTRICAL SCHEDULES 48x40
M0.1	MISCELLANEOUS NOTES & DETAILS
M0.2	MISCELLANEOUS NOTES & DETAILS
M2.9	24'x40' T24 CZ 14 (WALL AC)
M2.10	24'x40' T24 CZ 14 (WALL AC)
M2.11	24'x40' T24 CZ 15 (ROOF AC)
M2.12	24'x40' T24 CZ 15 (ROOF AC)
M2.13	24'x40' T24 CZ 16 (WALL AC)
M2.14	24'x40' T24 CZ 16 (WALL AC)
M3.3	ENVELOPE AND NOTES
M5.1	MECHANICAL CEILING PLAN 24x40
M5.2	MECHANICAL ROOF MOUNT 24x40
M6.1	MECHANICAL CEILING PLAN 36x40
M6.2	MECHANICAL ROOF MOUNT 36x40
M7.1	MECHANICAL CEILING PLAN 48x40 thru 120x40
M7.2	MECHANICAL ROOF MOUNT 48x40 thru 120x40
P1.0	TYPICAL PLUMBING DETAILS

23

PORTABLES - 24' X 40' EXPANDABLE TO 120' X 40' - FOUNDATION

F1.10	WOOD FOUNDATION NOTES SCHED FOR BLDG W / 50+15
F1.11	WOOD FOUNDATION PLAN 24x40 BLDG W / 50+15
F1.12	WOOD FOUNDATION 36x40 BLDG W / 50+15
F1.13	WOOD FOUNDATION PLAN 48x40 BLDG W / 50+15
F1.14	MODLINE "B" W / EXTERIOR WALLS BACK-TO-BACK 100 PSF
F1.20	WOOD FOUNDATION NOTES SCHED FOR BLDG W / 100 PSF
F1.21	WOOD FOUNDATION PLAN 24x40 BLDG W / 100 PSF
F1.22	WOOD FOUNDATION PLAN 36x40 BLDG W / 100 PSF
F1.23	WOOD FOUNDATION PLAN 48x40 BLDG W / 100 PSF
F1.24	MODLINE "B" W / EXTERIOR WALLS BACK-TO-BACK 100 PSF
F1.30	WOOD FOUNDATION NOTES SCHED FOR BLDG W / 150 PSF
F1.31	WOOD FOUNDATION PLAN 24x40 BLDG W / 150 PSF
F1.32	WOOD FOUNDATION PLAN 36x40 BLDG W / 150 PSF
F1.33	WOOD FOUNDATION PLAN 48x40 BLDG W / 150 PSF
F1.34	MODLINE "B" W / EXTERIOR WALLS BACK-TO-BACK 150 PSF
F1.40	WOOD FOUNDATION DETAILS
F2.10	CONCRETE FOUNDATION PLAN
F2.20	CONCRETE FOUNDATION DETAILS
F2.22	CONCRETE FOUNDATION DETAILS
F2.23	CONCRETE FOUNDATION DETAILS

20

PORTABLES - 24' X 40' EXPANDABLE TO 120' X 40' - STRUCTURAL

S0.1.	STRUCTURAL GEN NOTES
S1.0.1	WD SHTH'G FLR FRM'G PLAN (50+15 PSF)
S1.0.4.	WD SHTH'G FLR FRAMING PLAN CROSS-STRAP OPT.
S1.1.1	CONC FLR FRM'G PLAN (50+15 PSF)
S1.2.	STRUCTURAL DETAILS (FLOOR)
S3.0.1	MONO SLOPE ROOF FRM'G PLAN
S3.0.2	DUAL SLOPE ROOF FRM'G PLAN
S3.0.3	MONO SLOPE ROOF FRM'G PLAN CROSS-STRAP OPT.
S3.0.4	DUAL SLOPE ROOF FRM'G PLAN CROSS-STRAP OPT.
S3.1	STRUCTURAL DETAILS (ROOF)
S3.2	ROOF DETAILS (SOFFIT/PARAPET)
S3.3	ROOF PERIMETER TRUSS
S4.1	WD WALL FRAMING ELEVATIONS
S4.2	WALL DETAILS (WOOD FRAMING)
S4.4	TYP FRAMING
S4.5	FRAMING SCHEDULES
S5.0.	LONG. SECTION - (MONO)
S5.1	LONG. SECTION - (DUAL)
S6.0	AWNING FRAMING
SR0	MODULE PLAN AND NOTES
SR1	RAMP AND LANDING PLAN
SR2	RAMP AND LANDING FRAMING
SR3	FOUNDATION PLAN
SR4	RAMP AND LANDING / STAIR FRAMING ELEVATION
SR5	RAMP DETAILS
SR6	RAMP DETAILS
SR7	STAIR CONN

27

Grand total: 171

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:54:18 PM

HMC Architects
DESIGN FOR GOOD
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA
ELAINE
MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

SHEET INDEX

ADDENDUM

FILE NO.: 3361008101
A NO.: 03-126126

DATE: **2026.06.23**
CLIENT PROJ NO: **3361-008-101**

SHEET:

G0.12

PLEASE RECYCLE ♻

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

DESIGN PROFESIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEET THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBLITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEIMATES COMPONENTS OF PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THE INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT WHAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHHOLD LIMITATIONS OR A FINDING OF UNRESANOBLE HARDSHIP ARE INDICATED IN THESE CONSTUCTION DOCUMENTS.

DURING CONSTRUCTION IF POT ITEMS WHITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION DOCUMENT.

FOR ACCESSIBLE PATH OF TRAVEL COMPLIANCE OF EXISTING CAMPUS, SEE DSA APPLICATION 03-108334.

PARKING COUNT

(E) PARKING LOT M: (A#03-118952)
STANDARD STALLS: 160
ACCESSIBLE STALLS: 6 (2 VAN ACCESSIBLE) (6 REQUIRED)

(E) PARKING LOT A: (A# 03-107693)
STANDARD STALLS: 9
ACCESSIBLE STALLS: 1 (VAN ACCESSIBLE) (1 REQUIRED)

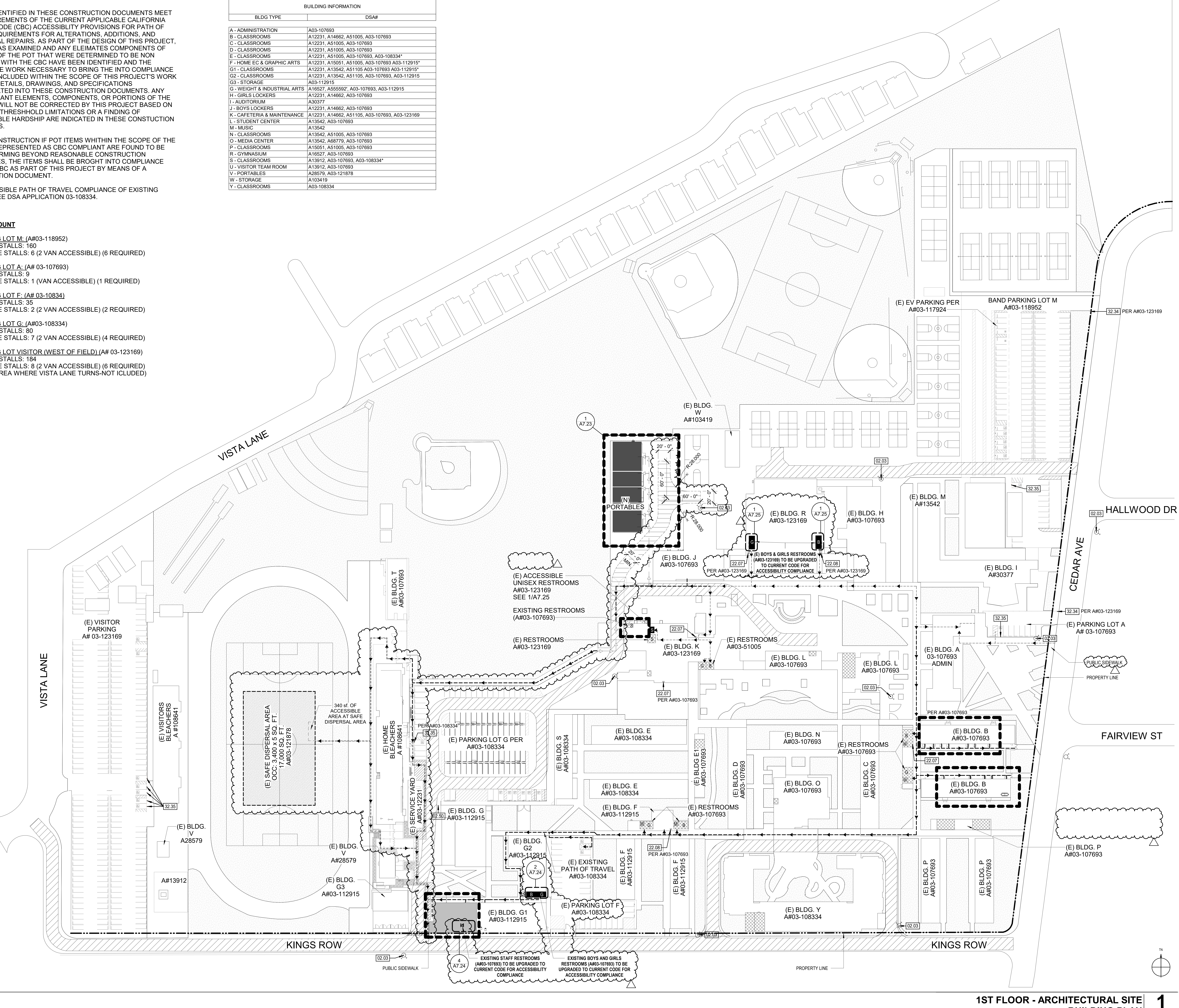
(E) PARKING LOT F: (A# 03-10834)
STANDARD STALLS: 35
ACCESSIBLE STALLS: 2 (2 VAN ACCESSIBLE) (2 REQUIRED)

(E) PARKING LOT G: (A#03-108334)
STANDARD STALLS: 80
ACCESSIBLE STALLS: 7 (2 VAN ACCESSIBLE) (4 REQUIRED)

(E) PARKING LOT VISITOR (WEST OF FIELD) (A# 03-123169)
STANDARD STALLS: 184
ACCESSIBLE STALLS: 8 (2 VAN ACCESSIBLE) (6 REQUIRED)
(PARKING AREA WHERE VISTA LANE TURNS-NOT ICLUDED)

BUILDING INFORMATION

BLDG TYPE	DSA#
A - ADMINISTRATION	A03-107693
B - CLASSROOMS	A12231, A14662, A51005, A03-107693
C - CLASSROOMS	A12231, A51005, A03-107693
D - CLASSROOMS	A12231, A51005, A03-107693
E - CLASSROOMS	A12231, A51005, A03-107693, A03-108334*
F - HOME EC & GRAPHIC ARTS	A12231, A15051, A51005, A03-107693 A03-112915*
G1 - CLASSROOMS	A12231, A13542, A51105 A03-107693 A03-112915*
G2 - CLASSROOMS	A12231, A13542, A51105, A03-107693, A03-112915
G3 - STORAGE	A03-112915
G - WEIGHT & INDUSTRIAL ARTS	A16527, A555592', A03-107693, A03-112915
H - GIRLS LOCKERS	A12231, A14662, A03-107693
I - AUDITORIUM	A30377
J - BOYS LOCKERS	A12231, A14662, A03-107693
K - CAFETERIA & MAINTENANCE	A12231, A14662, A51105, A03-107693, A03-123169
L - STUDENT CENTER	A13542, A03-107693
M - MUSIC	A13542
N - CLASSROOMS	A13542, A51005, A03-107693
O - MEDIA CENTER	A13542, A68779, A03-107693
P - CLASSROOMS	A15051, A51005, A03-107693
R - GYMNASIUM	A16527, A03-107693
S - CLASSROOMS	A13912, A03-107693, A03-108334*
U - VISITOR TEAM ROOM	A13912, A03-107693
V - PORTABLES	A28579, A03-121878
W - STORAGE	A103419
Y - CLASSROOMS	A03-108334



1ST FLOOR - ARCHITECTURAL SITE BUILDING PLAN 1
1" = 60'-0"

HMC Architects DESIGN FOR GOOD
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

02.03	(E) FIRE HYDRANT
02.50	(E) GATE TO REMAIN LOCKED DURING SCHOOL HOURS.
22.07	(E) HIGH & LOW DRINKING FOUNTAIN
22.08	(E) HIGH & LOW DRINKING FOUNTAIN | SEE REFERENCE DETAIL 9/A10.71
32.34	(E) TOW-AWAY SIGNAGE
32.35	(E) ADA PARKING STALL SIGNAGE

LEGEND

■	**ACCESSIBLE RESTROOMS** **W** = WOMENS **M** = MENS **S** = STAFF (GENDER NEUTRAL) **B** = BOYS **G** = GIRLS
▩	**(E) RESTROOMS NOT PART OF THIS SCOPE** **W** = WOMENS **M** = MENS **S** = STAFF (GENDER NEUTRAL) **B** = BOYS **G** = GIRLS
☰	(N) FIRE ACCESS LANE
▨	(E) FIRE ACCESS LANE A# 03-123169
■	NEW BUILDING(S) IN SCOPE
▒	EXISTING BUILDING(S) & STUCTURE(S) IN SCOPE OF WORK
▨	SAFE DISPERSAL AREA
▬ ▬ ▬	APPROXIMATE LIMIT OF WORK
‑ ‑ ▶ ‑ ‑ ▶	(E) ACCESSIBLE PATH OF TRAVEL DSA#03-108334
‑ ‑ ▶ ‑ ‑ ▶	(E) ACCESSIBLE PATH OF TRAVEL DSA#03-123169
= = ▶ = = ▶	(E) ACCESSIBLE PATH OF TRAVEL DSA#03-121878
‑ ▷ ‑ ▷	(N) ACCESSIBLE PATH OF TRAVEL

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

CAMPUS PLAN - PATH OF TRAVEL

ADDENDUM

FILE NO.: **3361008101**	A NO.: **03-126126**
DATE: **2026.06.23**	CLIENT PROJ NO: **3361-008-101**

SHEET:

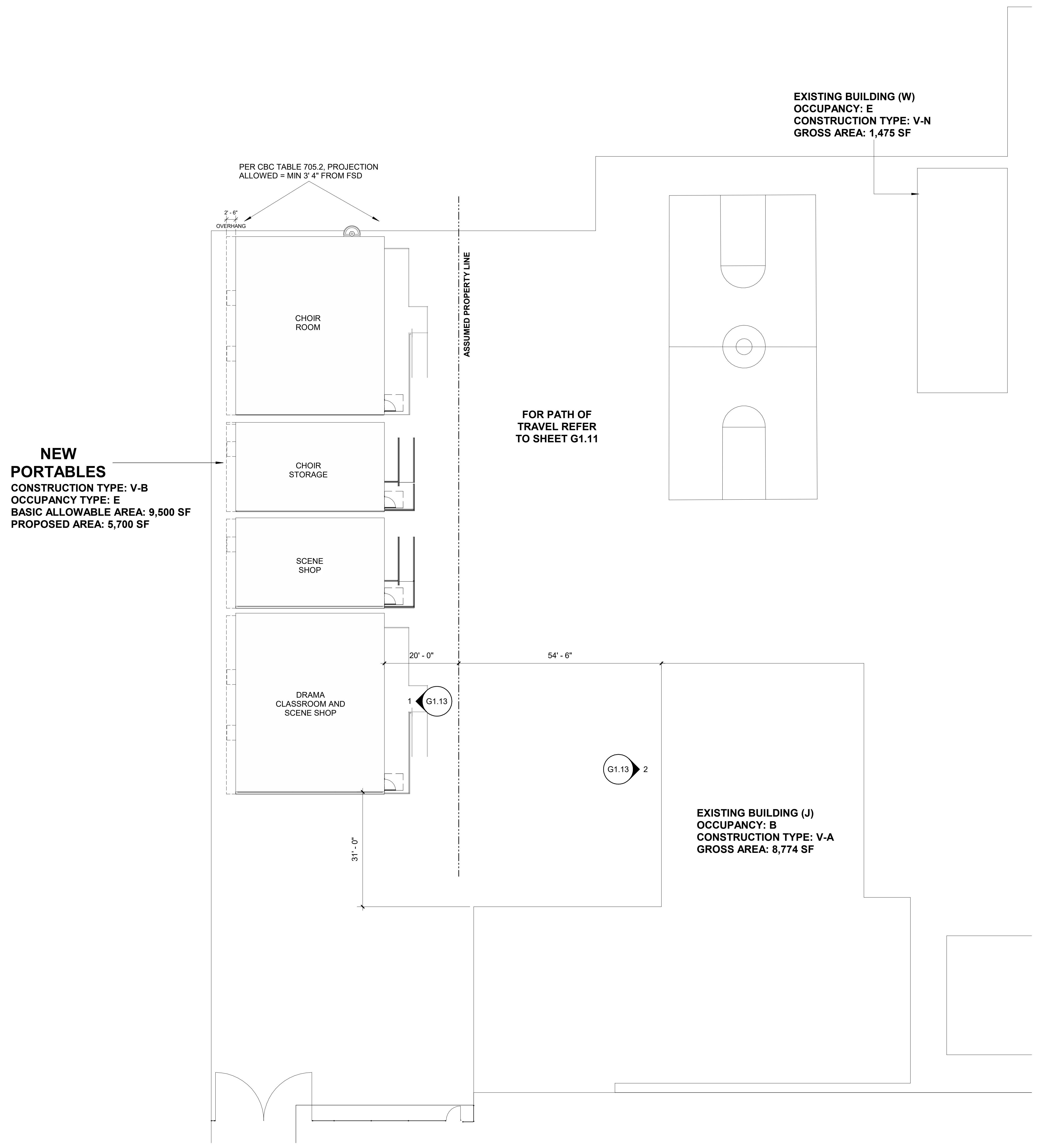
G1.11

PLEASE RECYCLE ♻

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:14 PM

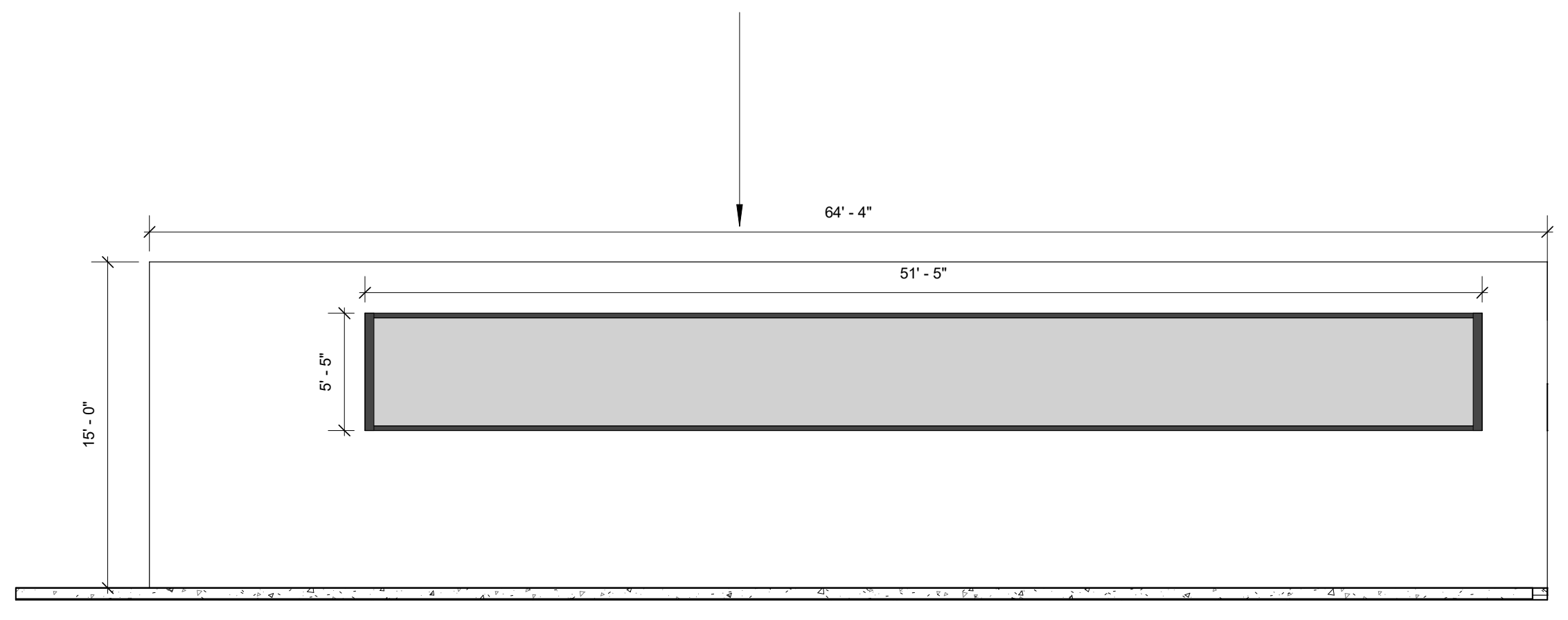
PK-3

THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE



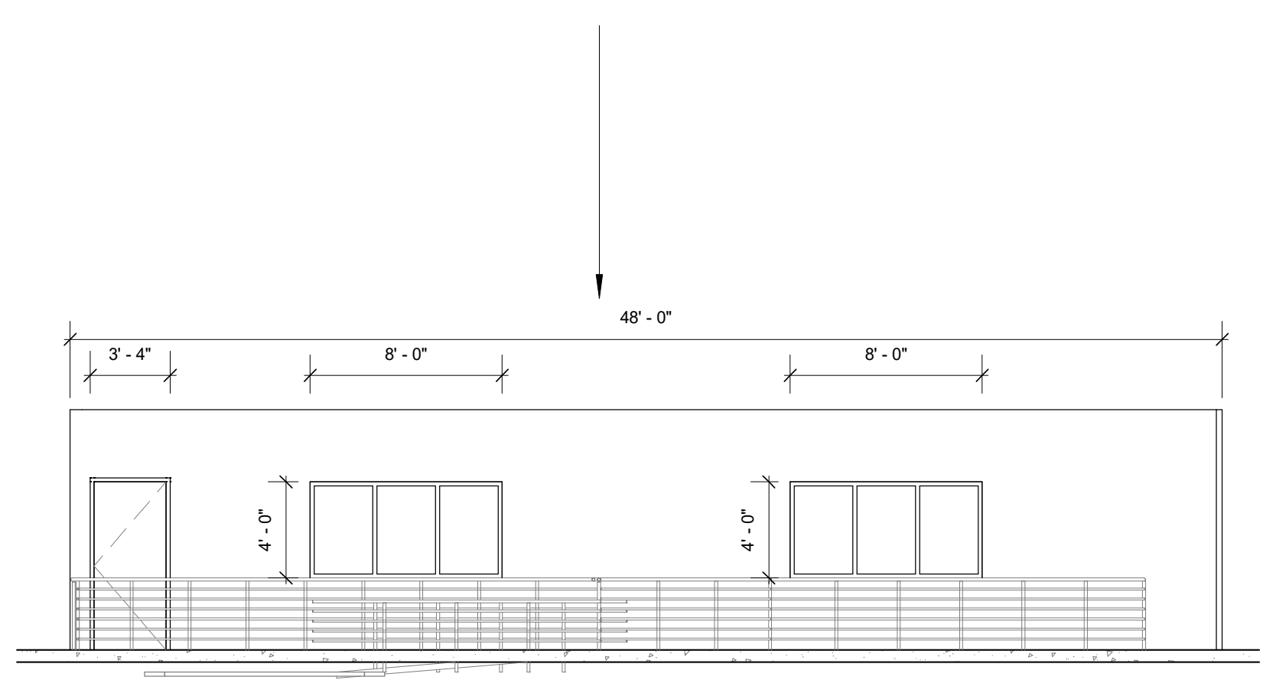
CODE ANALYSIS PLAN 3
1/16" = 1'-0"

ELEVATION AREA = 965 SF
OPENING AREA = 277 SF
OPENING % = 29 %
PER CBC TABLE 705.9 FOR 25% REQUIRED FSD **20' - 25'**
ASSUMED PROPERTY LINE = 54' 6"



BUILDING J - WEST ELEVATION 2
1/8" = 1'-0"

ELEVATION AREA = 480 SF
OPENING AREA = 88 SF
OPENING % = 19 %
PER CBC TABLE 705.9 FOR 25% REQUIRED FSD **15' - 20'**
ASSUMED PROPERTY LINE = 20' - 0"



PORTABLE 48' x 40' - EAST ELEVATION 1
1/8" = 1'-0"

BUILDINGS OCCUPANCY ANALYSIS

NEW PORTABLES (4) -	**EXISTING USE**	**PROPOSED AREA**
DSA APPLICATION NUMBER:	#04-123059	
CONSTRUCTION TYPE:	V-B (CBC 2025, TABLE 601)	
OCCUPANCY TYPE:	E (CBC 2025)	
SPRINKLER SYSTEM:	NS	
BASIC ALLOWABLE AREA:	9,500 SF (CBC 2025, TABLE 506.2)	5,760 SF
NUMBER OF STORIES:	1	
MAX HEIGHT ALLOWABLE:	40' (CBC 2025, TABLE 504.3)	
TOTAL HEIGHT:	9'	

BUILDING J		
DSA APPLICATION NUMBER:	A12231, A14662, A03-107693	
CONSTRUCTION TYPE:	V-A	
OCCUPANCY TYPE:	B	
BASIC ALLOWABLE AREA:	18,000	9,277 SF

BUILDING W		
DSA APPLICATION NUMBER:	A103419	
CONSTRUCTION TYPE:	V-B	
OCCUPANCY TYPE:	E	
BASIC ALLOWABLE AREA:	9,500	1,475 SF

FIRE SEPARATION DISTANCE – CBC 2025 TABLE 705.5

CODE REFERENCE:	CBC 2025,TABLE 705.5
APPLICABLE CONDITION:	BUILDINGS ON THE SAME LOT - FSD MEASURED TO ASSUMED PROPERTY LINE
OCCUPANCY	E
CONSTRUCTION TYPE:	TYPE V-A, V-B
DETERMINATION	ALL BUILDINGS COMPLY WITHIN THE FSD RANGES IN TABLE 705.5. ACTUAL MINIMUN DISTANCES ARE GIVEN BY THE PORCENTAGE OF EXTERIOR WALL OPENINGS (CBC TABLE 705.9)

FIRE SEPARATION DISTANCE = X (FT)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP A, B, E, F-2, I, F, S-2, U
10 < X < 30	IA, IB, IVA, IVB IIB, IVB OTHERS	1 0 1

THE MAXIMUM AREA OF UNPROTECTED AND PROTECTED OPENINGS PERMITTED IN AN EXTERIOR WALL IN ANY STORY OF A BUILDING SHALL NOT EXCEED THE PERCENTAGES SPECIFIED IN TABLE 705.9

ALLOWABLE OPENING ANALYSIS - CBC TABLE 705.9

MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE FOR UNPROTECTED SPRINKLERED BUILDING

SEPARATION DISTANCE	ALLOWABLE AREA
0 TO <3'	NOT PERMITED
3' TO <5'	NOT PERMITED
5' TO <10'	10%
10' TO <15'	15%
15' TO <20'	25%
20' TO <25'	45%
25' TO <30'	70%
>30'	NOT LIMITED

PORTABLES - FACADE FACING BUILDING J	
CODE BASIS:	CBC TABLE 705.9 - UNPROTECTED OPNENINGS, NS, TYPE V-B
OPENING PORCENTAGE:	19%
REQUIRED FSD TO ASSUMED LINE:	15' - 20'
PROPOSED DISTANCE TO LINE:	20'

BUILDING J - FACADE FACING PORTABLES	
CODE BASIS:	CBC TABLE 705.9 - UNPROTECTED OPNENINGS, NS, TYPE V-A
OPENING PORCENTAGE:	29%
REQUIRED FSD TO ASSUMED LINE:	20' - 25'
PROPOSED DISTANCE TO LINE:	54' 6"

HMC Architects

3361-008-000

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

VIRGINIA
ELAINE
MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE

ISSUE

Δ	**DESCRIPTION**	**DATE**
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

LEGEND

—·—·—·— ASSUMED PROPERTY LINE

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

CODE ANALYSIS

ADDENDUM

DATE: **06/12/26**
CLIENT PROJ NO: **3361-008-101**

SHEET:

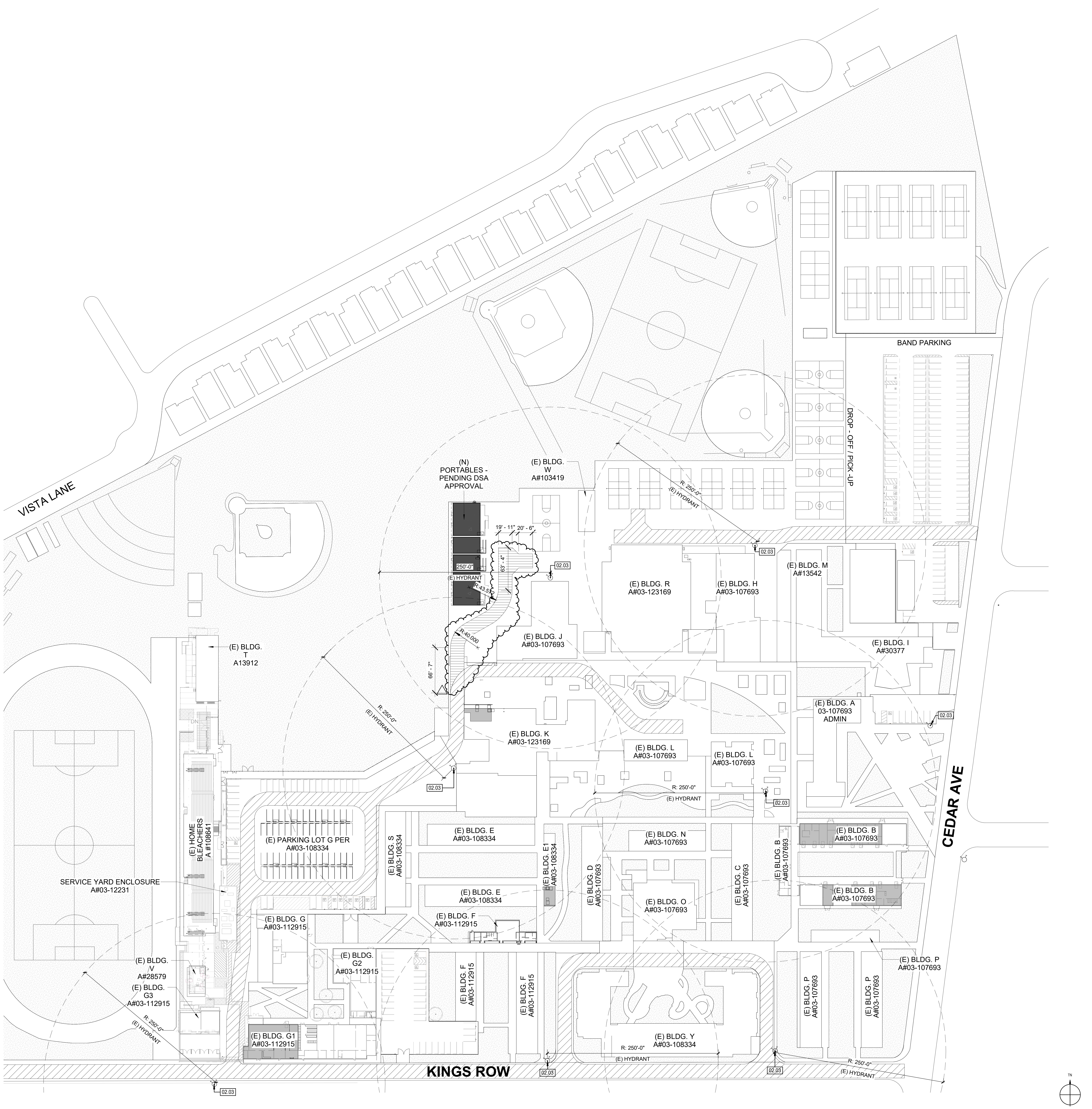
G1.13

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:16 PM

PLEASE RECYCLE ♻

PK-3

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE



FIRE ACCESS SITE PLAN 1

1" = 60'-0"

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings*.

PROJECT INFORMATION

School District/Owner: El Monte Union High School District
Project Name/School: Interim Housing / Arroyo High School
Project Address: 4921 Cedar Ave., El Monte, CA 91732

FIRE & LIFE SAFETY INFORMATION

1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☑		No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☑		No ☐
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☑
	Refer to the following website for FHSZ locations: Fire Hazard Severity Zones in State Responsibility Area	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			✓	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			✓	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			✓	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✓	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: Norma Macias Title: Director of Facilities
Signature: Norma Macias Digitally signed by Norma Macias Date: 2026.05.15 14:49:59 -07'00' Date: 05/15/26

LOCAL FIRE AUTHORITY (LFA) INFORMATION

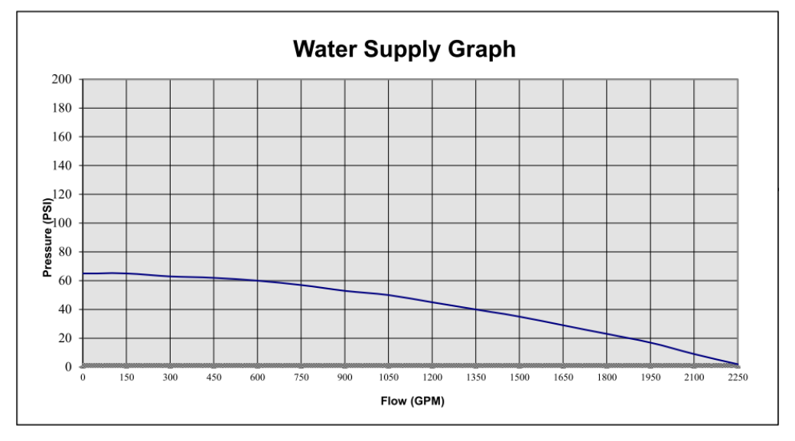
LFA Agency Name:
LFA Review Official:
Title: Work Phone:
Work Email:

LFA Reviewer's Signature: Date:

KIMBLE & COMPANY

Hydrant Flow Test Results

Location: Arroyo High School
Address: 4921 Cedar Ave.
Date/Time: 4/10/26 7:15am
Psi Hyd.: Building H
Flow Hyd.: Building J
Hydrant #: 2
Test By: Marco Garcia
Signed: Marco Garcia
Notes:
Flow #3
1025-460401



Data Input

Static & Residual Hydrant		
Static:	65	psi
Residual:	50	psi
First Flow Hydrant		
Pitot #1:	38	psi
Diameter #1:	2.5	inches
Coefficient #1	0.9	
Second Flow Hydrant or Port		
Pitot #2:		psi
Diameter #2:		inches
Coefficient #2:		
Calculated Results		
Flow #1	1035	gpm
Flow #2	0	gpm
Total Flowing	1035	gpm
Available Flow @ 20 psi:	1873	gpm
Available Flow @ 0 psi:	2285	gpm

NOTES:
1. Outlet assumed to be smooth and rounded.
2. Residual & flow at 20 psi are calculated I.A.W NFPA #291
3. See attached hydrant location.
4. Min 10% drop should be attained at residual hydrant, flow additional hydrants to produce 10% drop.

Copyright © 1981-2022 Washington Surveying and Rating Bureau - All Rights Reserved

HMC Architects DESIGN FOR GOOD
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

02.03	(E) FIRE HYDRANT

NOTES

LEGEND

▤	(N) 20'-0" WIDE FIRE LANE ACCESS
▨	(E) FIRE LANE ACCESS PER A# 03-118952 & 03-123169
■	NEW BUILDING(S) IN SCOPE
▒	EXISTING BUILDING(S) & STUCTURE(S) IN SCOPE OF WORK
▬ ▬ ▬	APPROXIMATE LIMIT OF WORK
○	250 FT RADIUS FIRE HYDRANT COVERAGE
A | DIST	HOSE PULL AND DISTANCE (150 FT MAX)
♁	FIRE HYDRANT - SEE CIVIL DRAWINGS

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

LOCAL FIRE AUTHORITY SITE ACCESS PLAN

ADDENDUM

FILE NO.: 3361008101 **A NO.: 03-126126**

DATE: **2026.06.23** CLIENT PROJ NO: **3361-008-101**

SHEET:

G1.51

PLEASE RECYCLE

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:19 PM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

GENERAL NOTES:

1. ALL WORK PERFORMED IN THIS CONTRACT SHALL CONFORM TO:
    - A. PROJECT SPECIFICATIONS.
    - B. THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) AND AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
    - C. EL MONTE UNION HIGH SCHOOL DISTRICT STANDARDS AND SPECIFICATIONS.
    - D. 2022 CALIFORNIA BUILDING CODE, OR LATEST VERSION.
2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE WORK SPECIFIED ON THE DRAWINGS AND WITHIN THE VARIOUS NOTES SHOWN HEREIN.
3. THE EXISTING CONDITIONS SHOWN DIAGRAMMATICALLY ON THE PLANS ORIGINATED FROM AS BUILT DRAWINGS AND FIELD SURVEY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE JOB SITE AND VERIFY THE EXACT EXISTING CONDITIONS UNLESS CONCEALED BEFORE SUBMITTING HIS BID. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE DISTRICT USING THE PROPER REQUEST FOR INFORMATION FORMS PRIOR TO SUBMITTING HIS BID FOR PROPER ACTION.
4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES IN THE AREA OF WORK WHICH ARE NOT INCLUDED IN THIS CONSTRUCTION. ANY DAMAGE RESULTING FROM THIS WORK SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE DISTRICT.

UNDERGROUND SERVICE ALERT:

5. BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT INQUIRY I.D. NUMBER BY CALLING 1-800-422-4133. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED THAT UTILITY OWNERS CAN BE NOTIFIED.

PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS:

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PUBLIC AND PRIVATE PROPERTY ADJACENT TO THE WORK PER SPPWC SECTION 7-9 OF THE STANDARD SPECIFICATIONS.

REMOVALS:

7. EXISTING STRUCTURES AND SUBSTRUCTURES WHICH ARE INDICATED TO BE REMOVED IN THIS CONSTRUCTION DOCUMENTS SHALL BE TOTALLY REMOVED AND DISPOSED OF OFFSITE, UNLESS OTHERWISE INDICATED. EXISTING FACILITIES WHICH ARE DISCOVERED DURING CONSTRUCTION (INCLUDING WALLS, FOOTINGS AND FOUNDATIONS) SHALL BE REPORTED TO AND COORDINATED WITH THE DISTRICT AS TO THEIR REMOVAL. CONTRACTOR WILL NOTIFY THE DISTRICT IN WRITING PRIOR TO COMMENCING THE WORK.
8. ALL SITE PREPARATION AS INDICATED SHALL BE MADE UNDER THE CONTINUOUS INSPECTION OF THE INSPECTOR OF RECORD (IOR) AND OWNER AUTHORIZED REPRESENTATIVE (OAR). SECURE THE REQUIRED PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR THE CONSTRUCTION OF TRENCHES, SHORING OR EXCAVATIONS WHICH ARE 5 FEET OR DEEPER OR WORK THAT MAY JEOPARDIZE THE WORKERS. SHORING CALCULATIONS SHALL BE PROVIDED AS REQUIRED FOR APPROVAL AND PERMITTING.
9. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY WORK ACTIVITIES AS REQUIRED BY THE DISTRICT AND JURISDICTIONAL AGENCY.
10. ALL WORK IN THE PUBLIC RIGHT OF WAY REQUIRES APPROVAL BY THE JURISDICTIONAL AGENCY DEPARTMENT OF PUBLIC WORKS / TRAFFIC AND TRANSPORTATION DEPARTMENTS BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL SECURE AND PAY FOR ANY PERMIT INCLUDING UTILITY CONNECTIONS REQUIRED PRIOR TO CONSTRUCTION.
11. ALL FILL OR BACKFILL SHALL BE COMPACTED TO A MINIMUM 95% RELATIVE COMPACTION.
12. CONSTRUCTION STAKING AND ADJUSTMENTS FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR PAID FOR BY THE CONTRACTOR AND INCLUDED IN THE CONTRACT.
13. VOIDS RESULTING FROM REMOVAL WORK SHALL BE FILLED WITH SUITABLE MATERIALS APPROVED BY THE DISTRICT RETAINED GEOTECHNICAL ENGINEER AND COMPACTED TO AT LEAST 95% MAXIMUM DENSITY PER ASTM D-1557.
14. CONSTRUCT OFFSITE WORK TO COMPLY WITH THE REQUIREMENTS OF THE LOCAL GOVERNING AGENCY. SECURE AND PAY FOR REQUIRED CONSTRUCTION PERMITS.
15. IF EXISTING UTILITIES ARE EXPOSED OR DETERMINED TO EXIST UNDER THE CONSTRUCTION LIMITS, CONTRACTOR SHALL PROVIDE A FLAGGED STAKE THAT INDICATES THEIR LOCATION, TYPE OF UTILITY, SIZE, PIPE MATERIAL AND DEPTH. STAKES SHALL BE INSTALLED NO LESS THAN 50' ON CENTER ON STRAIGHT LINES AND AT BENDS.
16. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA. INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
17. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
18. ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL COMPLY WITH THE LOCAL GOVERNING AGENCY'S PUBLIC WORKS DEPARTMENT, THAT CONTROLS AND RESTRICTS NOISE FROM THE USE OF CONSTRUCTION AND GRADING EQUIPMENT FROM THE HOURS OF 8:00PM TO 6:30AM, AND ON SUNDAYS AND HOLIDAYS. (MORE RESTRICTIVE CONSTRUCTION ACTIVITY TIMES MAY GOVERN, AS REQUIRED BY THE DEPARTMENT OF REGIONAL PLANNING AND SHOULD BE SHOWN ON THE GRADING PLANS WHEN APPLICABLE.)
19. CALIFORNIA PUBLIC RESOURCES CODE (SECTION 5097.98) AND HEALTH AND SAFETY CODE (SECTION 7050.5) ADDRESS THE DISCOVERY AND DISPOSITION OF HUMAN REMAINS. IN THE EVENT OF DISCOVERY OR RECOGNITION OF ANY HUMAN REMAINS IN ANY LOCATION OTHER THAN A DEDICATED CEMETERY, THE LAW REQUIRES THAT GRADING IMMEDIATELY STOPS AND NO FURTHER EXCAVATION OF DISTURBANCE OF THE SITE, OR ANY NEARBY AREA WHERE HUMAN REMAINS MAY BE LOCATED, OCCUR UNTIL THE FOLLOWING MEASURES HAVE BEEN TAKEN:
    - A. THE COUNTY CORONER HAS BEEN INFORMED AND HAS DETERMINED THAT NO INVESTIGATION OF THE CAUSE OF DEATH IS REQUIRED AND,
    - B. IF THE REMAINS ARE OF NATIVE AMERICAN ORIGIN, THE DESCENDANTS FROM THE DECEASED NATIVE AMERICANS HAVE MADE A RECOMMENDATION FOR THE MEANS OF TREATING OR DISPOSING, WITH APPROPRIATE DIGNITY, OF THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS.
20. ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE APPROVED BY INSPECTOR OF RECORD OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE INSPECTOR OF RECORD UPON REQUEST.
21. ANY ADDITIONAL SURVEYS OR TESTING AS A RESULT OF CONTRACTOR ERROR OR MISINFORMATION WILL BE CHARGED TO THE CONTRACTOR.
22. SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY A LICENSED SURVEYOR. PRIOR TO GRADING, AS REQUESTED BY THE INSPECTOR OF RECORD, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.
23. A COPY OF THE APPROVED GRADING PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.
24. THE CONTRACTOR SHALL PREPARE, PAY, AND FILE FOR A SWPPP. THE CONTRACTOR SHALL MODIFY AS REQUIRED THE APPROVED SWPPP/EROSION CONTROL PLANS FOR EACH PHASE OF THE PROJECT OR AS CONSTRUCTION ACTIVITIES PROGRESS THROUGH THE DURATION OF THE CONTRACT. THESE MODIFICATIONS SHALL BE REPORTED AND COORDINATED WITH BOTH THE QSD AND THE QSP. ANY MODIFICATIONS TO THE OVERALL DURATION OF CONSTRUCTION SCHEDULE FROM THAT AS SHOWN ON THE CURRENT SWPPP, SHALL ALSO BE REPORTED TO THE QSD. THE QSD SHALL THAN BE REQUIRED TO FILE AN EXTENSION OF CONSTRUCTION OR COI, (CHANGE OF INFORMATION), WITH THE STATE WATER RESOURCE CONTROL BOARD. ALL BMP'S SHALL BE MAINTAINED YEAR ROUND TO THE SATISFACTION OF THE QSD AND QSP.
25. CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND THE PERIMETER OF THE CONSTRUCTION SITE AND STAGING AREA. FENCING SHALL BE MINIMUM 8 FEET TALL AND SHALL HAVE A DUST/VISION BARRIER ALONG THE FULL LENGTH. THE DUST/VISION BARRIER SHALL EXTEND THE LENGTH OF THE CONSTRUCTION SITE. THE FENCING SHALL BE ANCHORED TO THE SURFACE AND SHALL BE ABLE TO WITHSTAND A 200-POUND HORIZONTAL POINT LOAD IN ANY DIRECTION. TEMPORARY FENCING POLES AND GATES POST SHALL BE DRIVEN INTO THE GROUND. FENCE STANDS WILL NOT BE ALLOWED. WORK AREA AND STAGING AREA SHALL BE SECURE AT ALL TIMES.

GENERAL NOTES (cont):

26. UTILITIES TO BE VERIFIED IN FIELD TO INSURE THE EXISTING SERVING FACILITIES TO REMAIN. COORDINATE RELOCATION IF REQUIRED. REMOVE INTERFERING SECTIONS OF ALL ABANDONED EXISTING UTILITIES. UTILITY OWNERS OF THESE ABOVE-MENTIONED INTERFERING UTILITIES AND THE DISTRICT OR OAR SHALL BE NOTIFIED IN ADVANCE PRIOR TO START OF REMOVAL.
27. STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE ROUGH GRADING SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
28. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
29. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE SCHOOL DISTRICT WITH A COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS OF ALL WORK PERFORMED UNDER THIS CONTRACT, AS SHOWN WITHIN THESE CONSTRUCTION DRAWINGS. ALL FIELD CHANGES SHALL BE SHOWN IN DETAIL ON THE "AS-BUILT" DRAWINGS AND SHALL INCORPORATE AS A MINIMUM, NEW ELEVATIONS, GRADES AND ALIGNMENT OF UNDERGROUND FACILITIES WITH DIMENSIONAL TIES TO BUILDINGS OR OTHER VISIBLE IMPROVEMENTS.
30. THE CONTRACTOR SHALL OBTAIN AN O.S.H.A PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER.
31. CONTRACTOR SHALL SECURE AND PAY FOR TEMPORARY POWER AND WATER TO BE USED FOR HIS/HER MEANS AND METHOD OF CONSTRUCTION.
32. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER OF RECORD.
33. "PATH OF TRAVEL (P.O.T) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTING FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307.2). CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B-403.
34. SIDEWALK, WALKWAYS, ACCESS TO BUILDING, ACCESS DOORS, PLAY AREAS AND PATH OF TRAVEL SHOWN IN ARCHITECTURAL AND LANDSCAPE DRAWING SHALL HAVE NO MORE THAN 2% MAXIMUM CROSS SLOPE. COORDINATE GRADING PLAN WITH ARCHITECTURAL DRAWINGS AND REPORT TO OWNER AUTHORIZED REPRESENTATIVE ANY DISCREPANCY PRIOR TO COMMENCEMENT OF GRADING.
35. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL REMOVE EXISTING CONSTRUCTION FENCING, APPURTENANCES AND OFFICE TRAILERS FROM THE SITE. PAVEMENT SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT PAVEMENT AND APPROVED BY THE INSPECTOR OF RECORD OR CITY INSPECTOR AS APPLICABLE.
36. GRADE LAWN, TURF, AND PLANTING AREA 1-1/2" MAX AT ACCESSIBLE PATH OF TRAVEL AND 2" MAX AT OTHER AREAS BELOW DESIGN GRADES INDICATED.
37. ADJUST TO GRADE EXISTING MANHOLE RIMS, AND ELECTRICAL VAULT LIDS TO DESIGN GRADES WITHIN THE IMPROVEMENT AREA. CONTRACTOR TO VERIFY LOCATION AND NUMBER OF MANHOLE RIMS, VALVE BOXES AND ELECTRICAL VAULT LIDS IN THE FIELD PRIOR TO BIDDING.
38. IF GRADING AUTHORIZED BY THIS PLAN IS TO EXTEND THROUGH THE RAINY SEASON, OCTOBER 1 THROUGH APRIL 15 OF THE FOLLOWING YEAR, SEPARATE UPDATED PLANS FOR EROSION CONTROL MUST BE SUBMITTED TO JURISDICTIONAL AGENCIES FOR APPROVAL PRIOR TO OCTOBER TO DSA FOR APPROVAL. CONTRACTOR TO PROVIDE STORM WATER PREVENTION PLAN, PRE-CONSTRUCTION AND POST CONSTRUCTION BMPS AND UPDATE FROM TIME TO TIME TO COMPLY WITH THE REQUIREMENTS.
39. CONTRACTOR IS RESPONSIBLE TO ADJUST EXISTING DRY AND / OR PRESSURIZED UTILITY PIPES ABOVE, BELOW AND / OR COORDINATE RELOCATION DUE TO THE INSTALLATION OF NEW GRAVITY LINES (SEWER AND STORM UTILITY PIPES).
40. CONTRACTOR IS REQUIRED TO RESTORE ALL EXISTING IMPROVEMENTS TO THE SAME CONDITION, THAT ARE NOT PART OF THIS PROJECT, THAT EXISTED PRIOR TO STARTING CONSTRUCTION. CONTRACTOR IS TO TAKE PHOTOS/VIDEO OF EXISTING SITE CONDITIONS AND PROVIDE TO OWNER PRIOR TO THE START OF CONSTRUCTION.

HORIZONTAL CONTROL

A CAD GEOMETRIC ELECTRONIC FILE SHALL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST FOR THE CONTRACTOR'S SURVEYOR TO LAYOUT THE CONSTRUCTION STAKING OF THE PROJECT. THE SURVEYOR OR CONTRACTOR WILL NEED TO SIGN A WAIVER FORM BEFORE RELEASE OF ANY CAD ELECTRONIC DRAWINGS.

LEGENDS:

INSTALL NEW PORTABLE BUILDING PER ARCHITECTURAL DRAWINGS.	▨
LIMIT OF REMOVAL	——— – – ———
CENTER LINE	—·—·—·—
PROPERTY LINE	—··—··—··—
EXISTING CONTOUR MINOR	– – – – – – –
EXISTING CONTOUR MAJOR	——(1355.00)——
CHAIN LINK FENCE	—x—x—x—x—
TUBE STEEL FENCING	—□—□—□—□—
METAL FENCING	—○—○—○—○—
CMU WALL	▬▬▬▬▬▬▬
COMMUNICATION LINE	—— ——(C)—— ——
UNDERGROUND ELECTRICAL LINE	—— ——(E)—— ——
GAS LINE	—— ——(G)—— ——
OVERHEAD UTILITY	—— ——(OH)—— ——
STORM DRAIN LINE	—— ——(SD)—— ——
STREET LIGHT ELECTRICAL LINE	—— ——(SL)—— ——
SANITARY SEWER LINE	—— ——(SS)—— ——
WATER LINE	—— ——(W)—— ——
ATHLETIC FIELD LIGHTING	✕
BACKFLOW PREVENTER	2" BACKFLOW
BASKETBALL HOOP	○
BENCH	BENCH
BOLLARD	○ BLRD
COMMUNICATION CABINET	C
COMMUNICATION VAULT	C C
CONCRETE SEATWALL	SEATWALL
DECIDUOUS TREE	✿
DOUBLE CHECK DETECTOR ASSEMBLY	8" DCDA
DRINKING FOUNTAIN	DF
ELECTRICAL TRANSFORMER	TRNS
ELECTRICAL VAULT	E E
EVERGREEN TREE	✳

LEGENDS (CONT.):

FIRE DEPARTMENT CONNECTION	○ FDC
FIRE HYDRANT	○ FH
GAS PRESSURE REGULATOR ASSEMBLY	3/4" G REG
GAS VALVE	GV
IRRIGATION CONTROLLER	IC
IRRIGATION VALVE	IV IV
PALM TREE	✲
POST INDICATOR VALVE	○ PIV
SANITARY SEWER MANHOLE OR CLEANOUT	SS SS
SITE LIGHTING	✳ LT
STORM DRAIN INLET	▤ DI ⊜ DI
STORM DRAIN MANHOLE OR CLEANOUT	SD SD
UNKNOWN UTILITY VAULT	UT UT
WATER METER	WM
WATER VAULT	WV

ABBREVIATIONS:

AC	ASPHALT
AOR	AUTHORIZED OWNER REPRESENTATIVE
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVE	AVENUE
BFD	BACKFLOW DEVICE
BLDG	BUILDING
BLVD	BOULEVARD
BMP	BEST MANAGEMENT PRACTICES
CAB	CRUSHED AGGREGATE BASE
CL	CENTERLINE
CLF	CHAIN LINK FENCE
CONC/CC	CONCRETE
DF	DRINKING FOUNTAIN
DI	DROP INLET
E	EAST
(E)/EX	EXISTING
ELEC	ELECTRICAL
EP	EDGE OF PAVEMENT
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
FS	FINISHED SURFACE
FT	FEET
GB	GRADE BREAK
ICV	IRRIGATION CONTROL VALVE
INV	INVERT
IOR	INSPECTION OF RECORD
MAX	MAXIMUM
MIN	MINIMUM
N	NORTH
(N)	NEW
NTS	NOT TO SCALE
OC	ON CENTER
OAR	OWNER AUTHORIZED REPRESENTATIVE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PA	PLANTER AREA
PL	PROPERTY LINE
PLNTR	PLANTER
PP	PERFORATED PIPE
S	SOUTH
SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
TC	TOP OF CURB
TE	TOP OF ELEVATION
TG	TOP OF GRATE
TOP	TOP OF ELEVATION
TR	ELECTRICAL TRANSFORMER
VIF	VERIFY IN FIELD
W	WEST

SHEET INDEX:

C-1.0	GENERAL NOTES, LEGENDS, AND ABBREVIATIONS
C-1.1	EXISTING CONDITIONS
C-1.3	POT ANALYSIS
C-1.4	POT ANALYSIS
C-1.5	OVERALL SITE PLAN
CD-1.0	ENLARGED SITE DEMOLITION PLAN
C-2.0	ENLARGED SITE CONTROL PLAN
C-3.0	ENLARGED SITE GRADING PLAN
C-5.0	MISCELLANEOUS DETAILS
C-6.0	EROSION CONTROL PLAN
C-6.1	EROSION CONTROL DETAILS

SURVEY NOTES:

SURVEYOR AND BENCH MARK FOR THIS PRODUCT:

SURVEYOR:

DAVID BECKWITH AND ASSOCIATES, INC
9431 HAVEN AVENUE, SUITE 232
RANCHO CUCAMONGA, CA 91730

BENCH MARK:

BENCHMARK: 1G4157

FOUND 3" BRASS DISK COUNTY SURVEY BENCHMARK IN THE WEST END OF A STORM DRAIN CATCH BASIN LOCATED 45-FT EAST OF THE BCR AT THE NORTHEAST CORNER OF LOWER AZUSA ROAD AND SANTA ANITA AVENUE MARKED "BM 19-8A 1971".

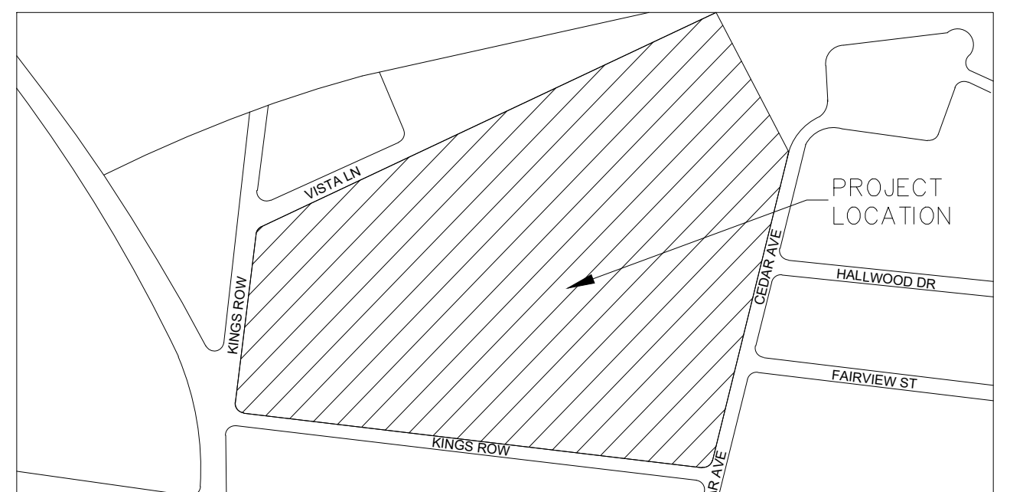
ELEVATION: 318.932 (NAVD88)

BASIS OF BEARINGS:

THE COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 5, (2010.00 EPOCH) IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES ARE BASED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING NATIONAL GEODETIC SURVEY NETWORK, CONTINUALLY OPERATING REFERENCE STATIONS (CORS), OR EQUIVALENT STATIONS.

STATION	NORTHING	EASTING
JPLM	1896965.473	6509289.183
TORP	1748960.131	6461222.485

ALL DISTANCES SHOWN HEREON ARE GROUND DISTANCES AND ARE IN US SURVEY FOOT. GRID DISTANCES CAN BE OBTAINED BY MULTIPLYING GROUND DISTANCES BY A COMBINED FACTOR OF 0.9999774243 FROM POINT #100.



VICINITY MAP

SCALE: NOT TO SCALE

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

∆	**DESCRIPTION**	**DATE**
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

No. C36079
Exp. 6/30/26
CIVIL

VCA ENGINEERS INC
CIVIL • STRUCTURAL MBE•DBE
Quality Service Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME: GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

ADDENDUM

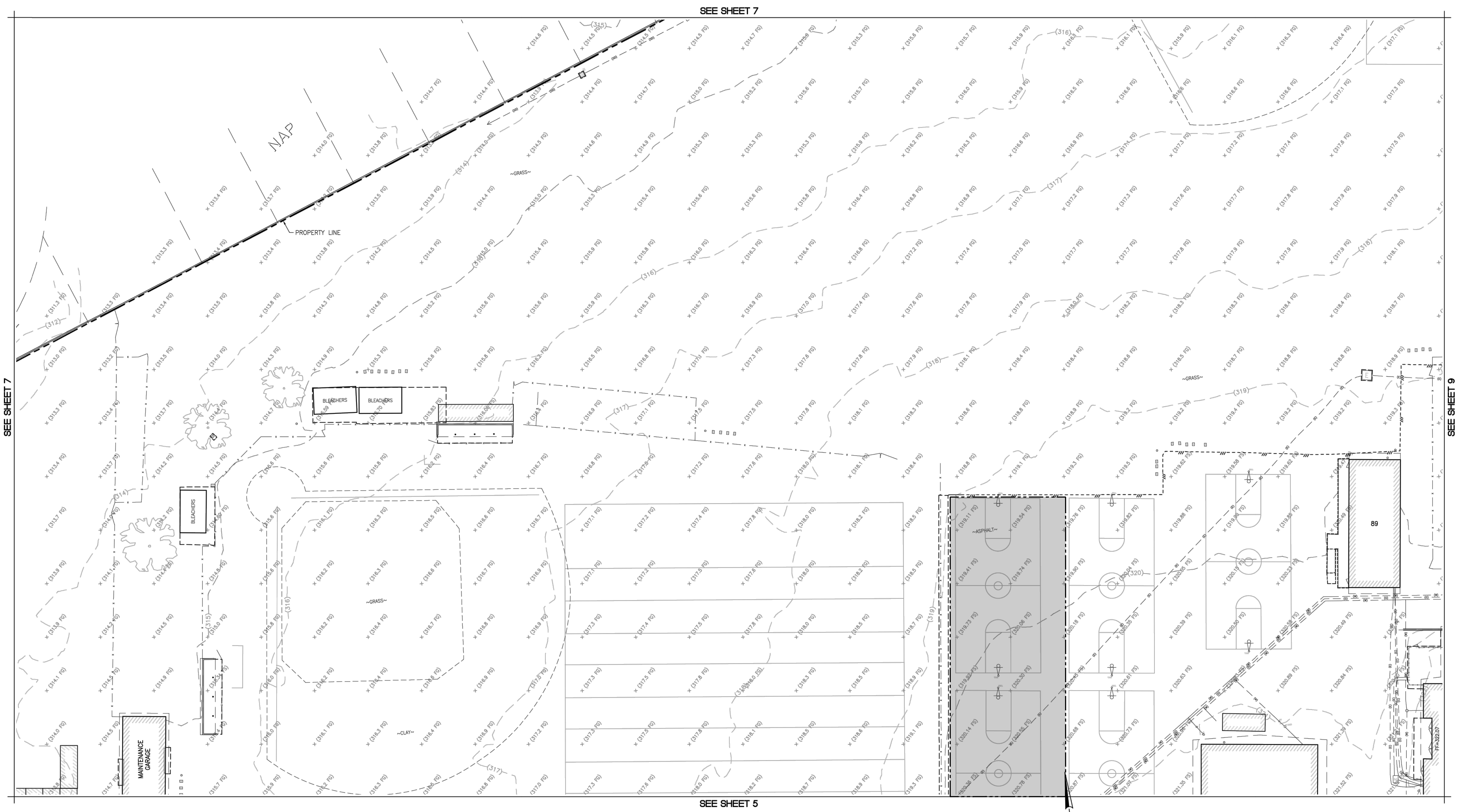
FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**

SHEET:

C-1.0

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE



LEGEND

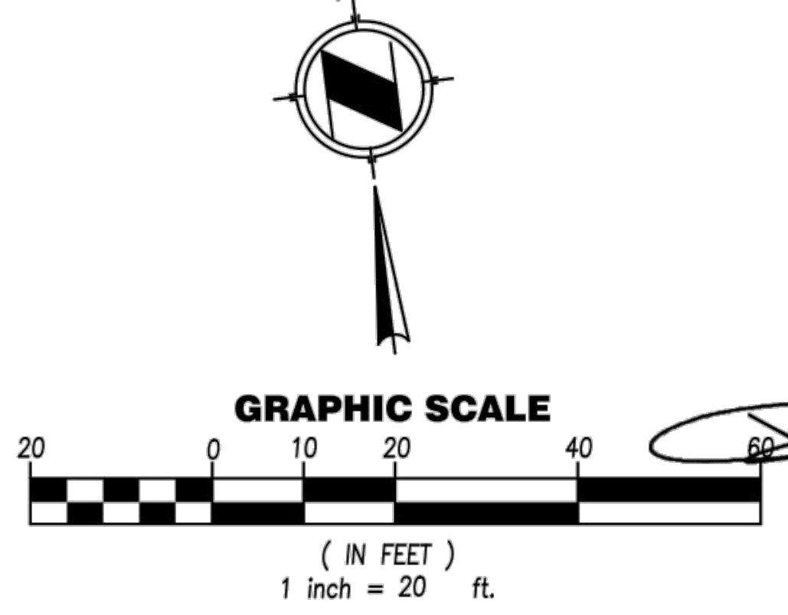
— — (C) — —	COMMUNICATIONS LINE
— — (E) — —	UNDERGROUND ELECTRICAL
— — (G) — —	GAS
— — (OH) — —	OVERHEAD UTILITY
— — (SD) — —	STORM DRAIN
— — (SL) — —	STREET LIGHT ELECTRICAL
— — (SS) — —	SANITARY SEWER
— — (W) — —	WATER
— x — x — x —	CHAIN LINK FENCING
	METAL FENCING
	TUBE STEEL FENCING
— —(1020)— —	CONTOUR MAJOR
— — — — —	CONTOUR MINOR
	CMU WALL

- STORM DRAIN INLET
- STORM DRAIN MANHOLE OR CLEANOUT
- SANITARY SEWER MANHOLE OR CLEANOUT
- IRRIGATION VALVE
- IRRIGATION CONTROLLER
- ELECTRICAL TRANSFORMER
- ELECTRICAL VAULT
- COMMUNICATIONS VAULT
- COMMUNICATIONS CABINET
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- POST INDICATOR VALVE

- DOUBLE CHECK DETECTOR ASSEMBLY
- BACKFLOW PREVENTER
- DRINKING FOUNTAIN
- GAS VALVE
- GAS PRESSURE REGULATOR ASSEMBLY
- UNKNOWN UTILITY VAULT
- BOLLARD
- BASKETBALL HOOP
- SITE LIGHTING
- AHTLETIC FIELD LIGHTING
- CONCRETE SEATWALL

- BENCH
- DECIDUOUS TREE
- EVERGREEN TREE
- PALM TREE
- (320.39 FS) SPOT ELEVATION

FF	FINISHED FLOOR
FG	FINISHED GROUND
FL	FLOWLINE
FS	FINISHED SURFACE
INV	INVERT
NAP	NOT A PART
RIM	TOP OF CLEANOUT/MANHOLE
SNF	SEARCHED, NOTHING FOUND
TC	TOP OF CURB
TG	TOP OF GRATE
TW	TOP OF WALL



PROFESSIONAL LAND SURVEYOR
DAVID MICHAEL BECKWITH
No. 9648
Exp. 03/31/26
STATE OF CALIFORNIA

10/24/2025

DAVID BECKWITH AND ASSOCIATES, INC
Civil & Structural Engineering - Land Surveying - QSD/QSP Environmental Services
9431 Haven Avenue, Suite 232
Rancho Cucamonga, CA 91730
(T) 714.349.7007 (F) 714.948.4471
www.davidbeckwithandassociates.com

SHEET 8

MAP PREPARED FOR:
EL MONTE UNION HIGH SCHOOL DISTRICT

10 SHEETS

TOPOGRAPHIC SURVEY MAP FOR:
ARROYO HIGH SCHOOL
4921 CEDAR AVENUE, EL MONTE
EL MONTE UNION HIGH SCHOOL DISTRICT

LEGENDS:

AREA OF WORK ▨

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

VCA ENGINEERS INC
CIVIL • STRUCTURAL MBE • DBE
Quality Service Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME:

EXISTING CONDITIONS

ADDENDUM

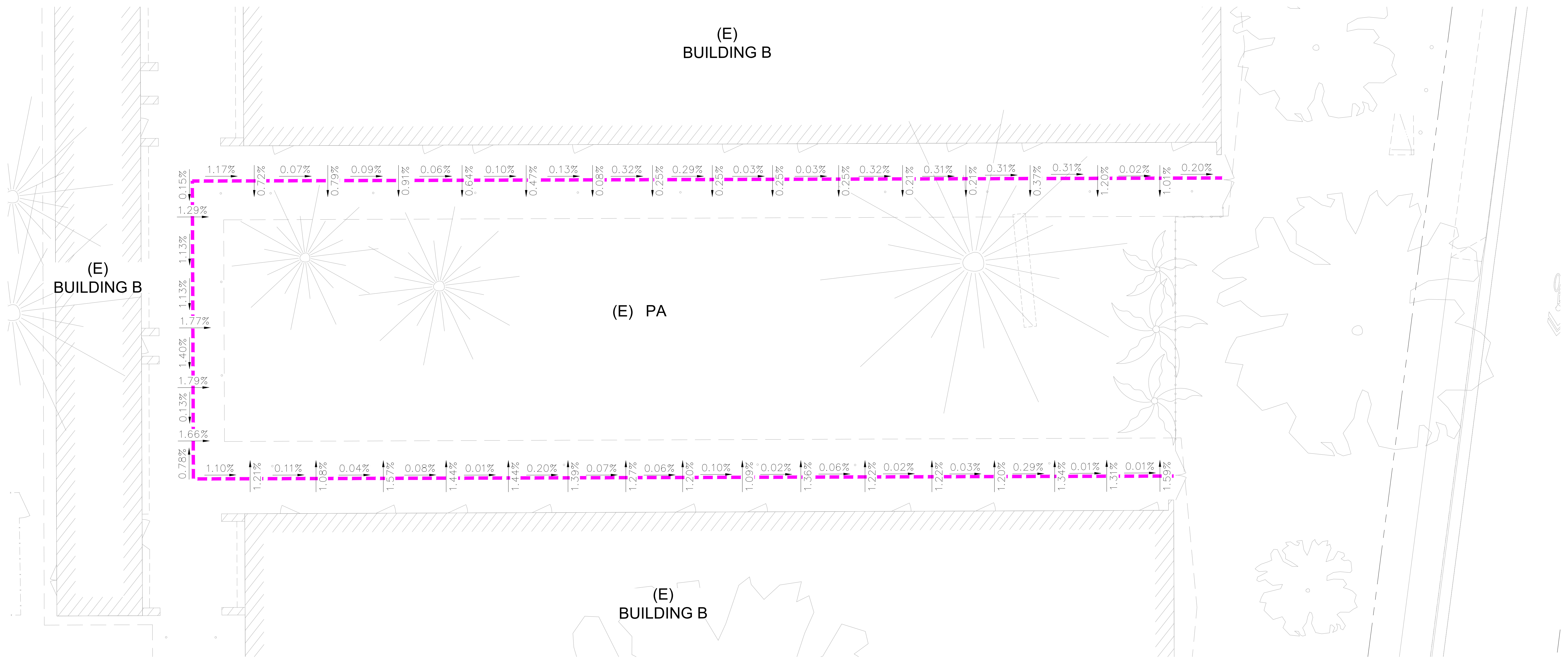
FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**

SHEET:

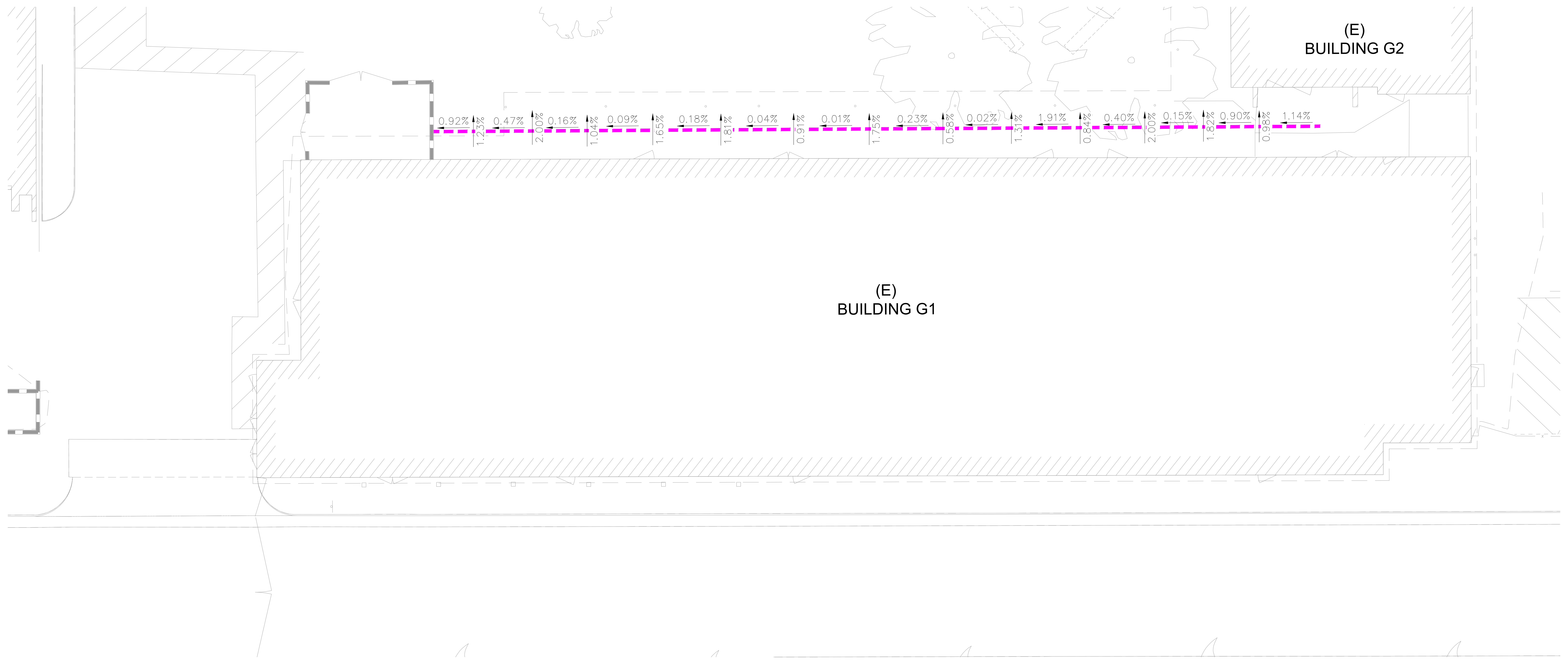
C-1.1

PLEASE RECYCLE ♻

THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE



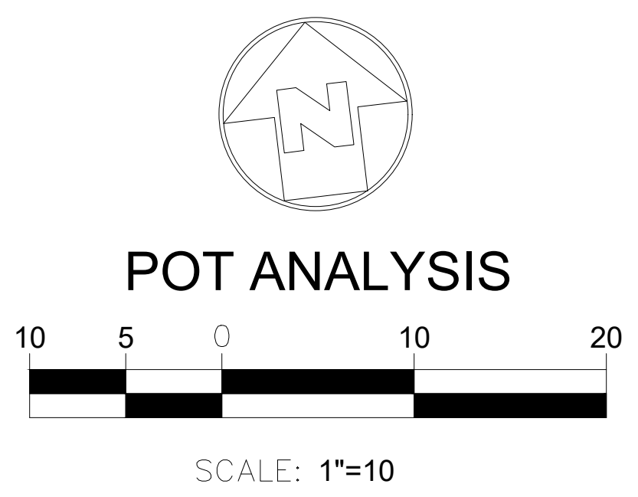
1 POT ANALYSIS PLAN (BUILDING B)
SCALE: 1"=10'



2 POT ANALYSIS PLAN (BUILDING G)
SCALE: 1"=10'

LEGEND:

▬ ▬ ▬	EXISTING ADA PATH OF TRAVEL



POT ANALYSIS

SCALE: 1"=10

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

VIRGILIO C. AGANAN
No. C36079
Exp. 6/30/26
CIVIL

VCA ENGINEERS INC
CIVIL • STRUCTURAL MBE•DBE
Quality
Service
Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME:

POT ANALYSIS

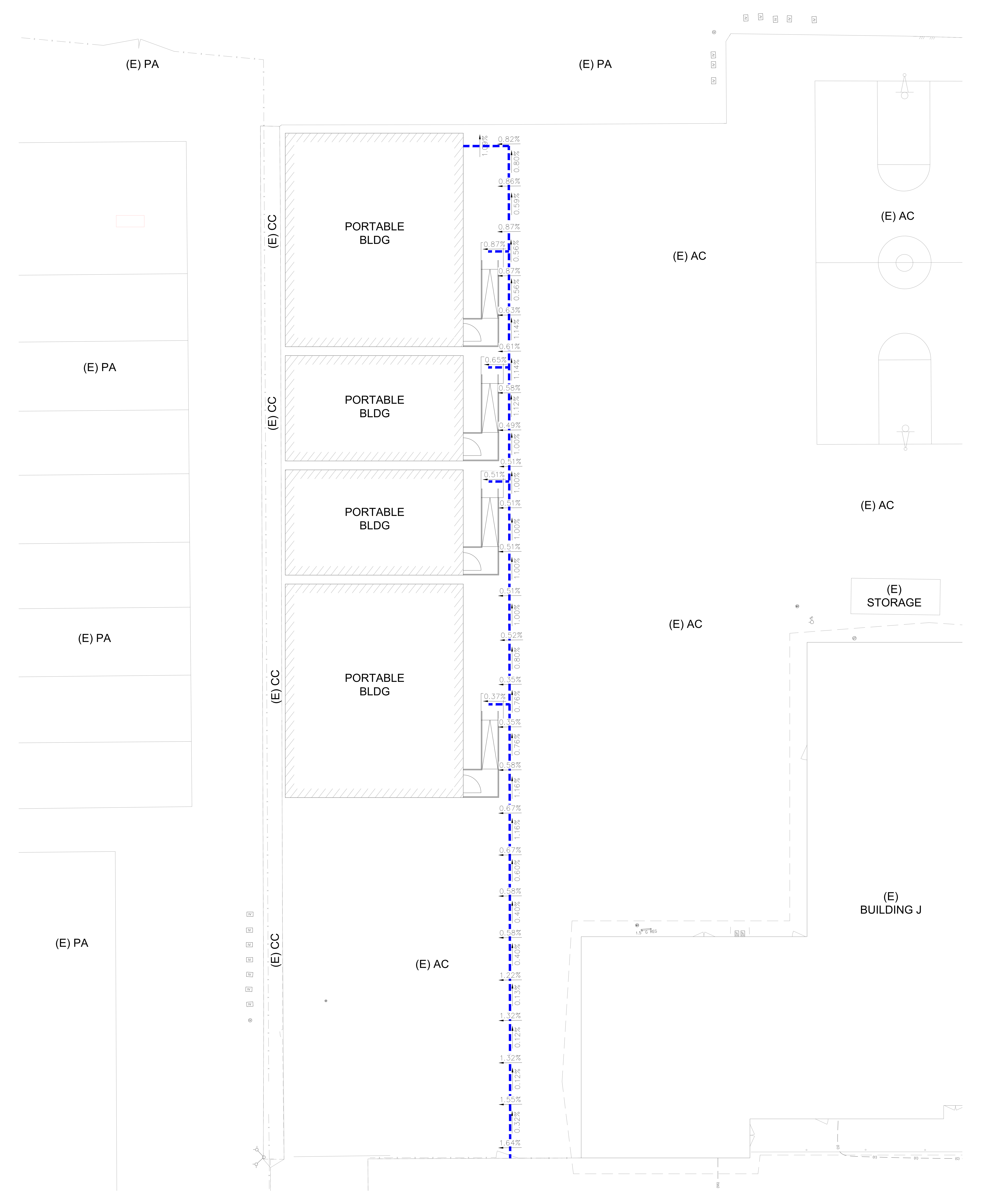
ADDENDUM

FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**
SHEET:

C-1.3

PLEASE RECYCLE

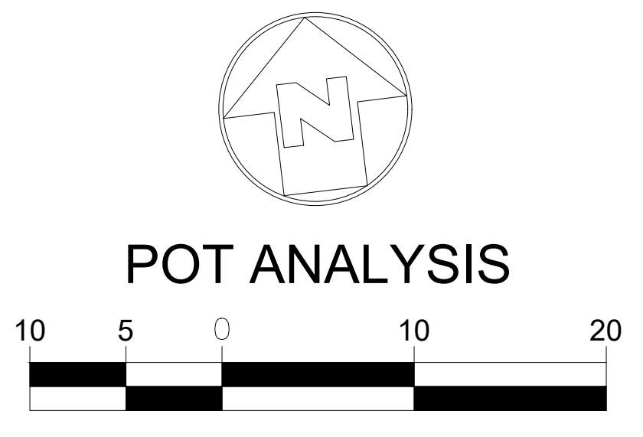
THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE



1 POT ANALYSIS PLAN
SCALE: 1"=10'

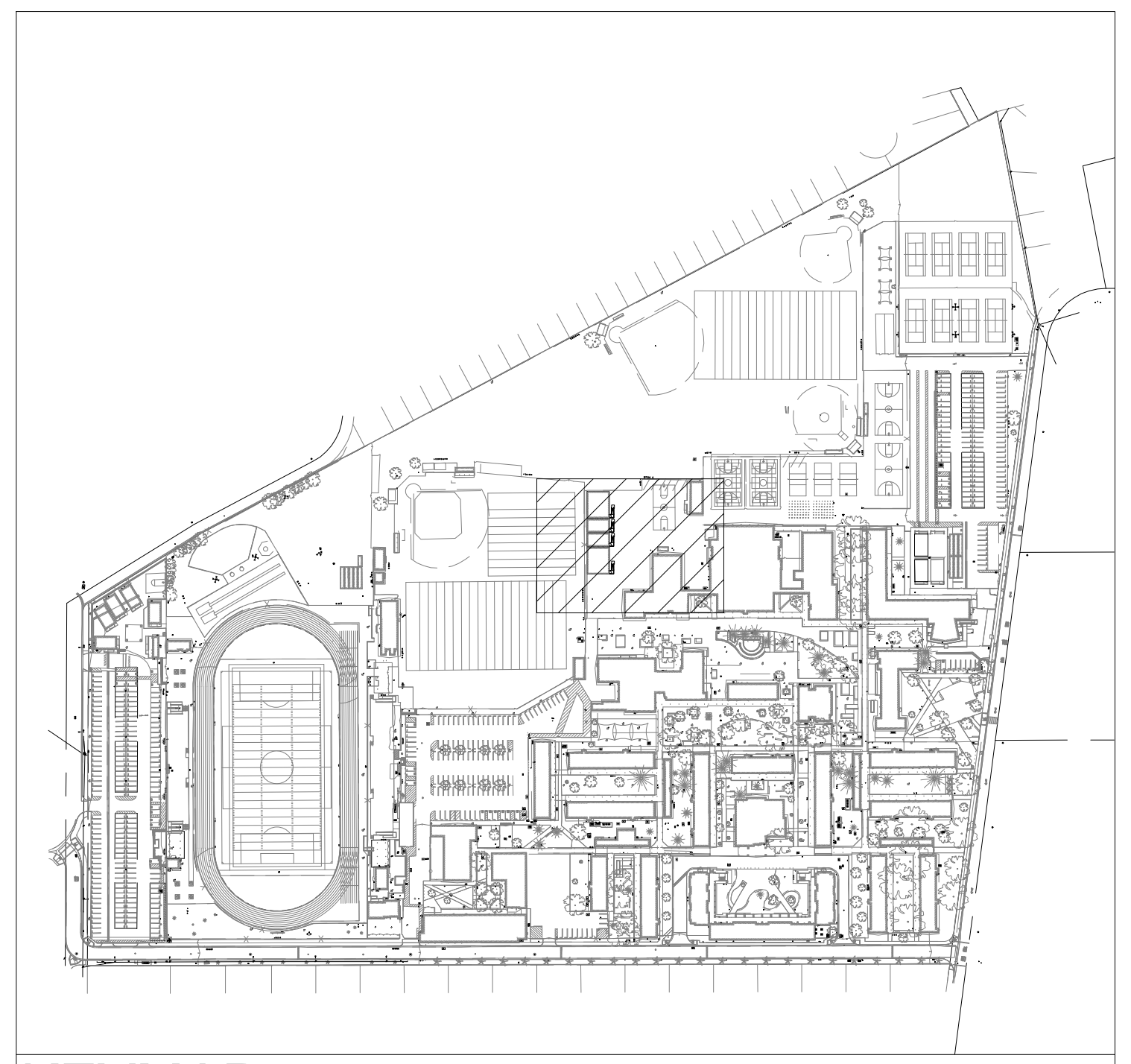
LEGEND:

- - - -	NEW ACCESSIBLE PATH OF TRAVEL



POT ANALYSIS

SCALE: 1"=10



KEYMAP
NTS

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER
VIRGILIO C. AGANAN
No. C36079
Exp. 6/30/26
CIVIL
STATE OF CALIFORNIA

VCA ENGINEERS INC
CIVIL • STRUCTURAL
MBE•DBE
Quality
Service
Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:
EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME:
POT ANALYSIS

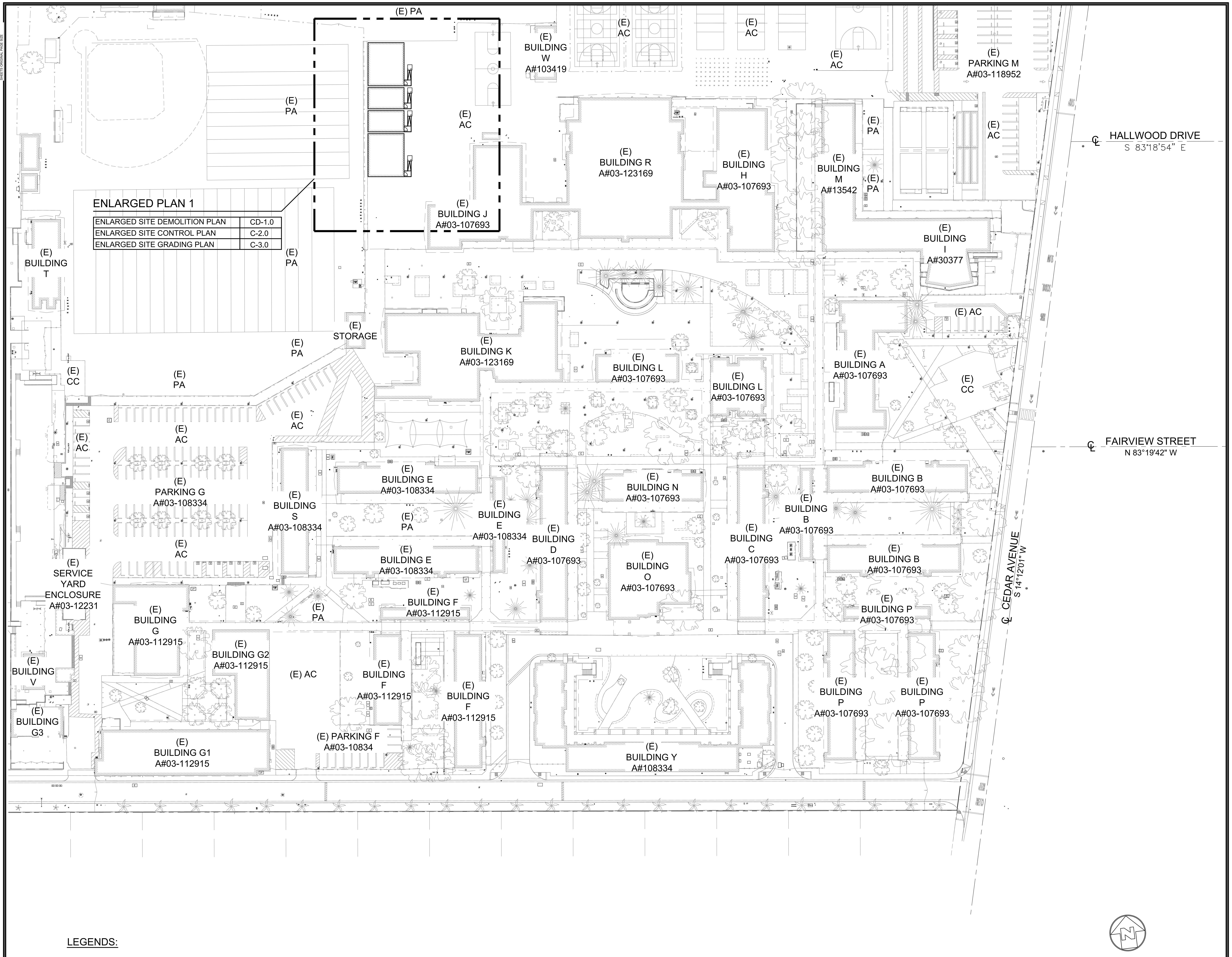
ADDENDUM

FILE NO.: **19-H10**	A NO: **03-123641**
DATE: **2026.05.29**	CLIENT PROJ NO: **3361-008-101**

SHEET:
C-1.4

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE


(E) PA
(E) BUILDING W A#103419
(E) AC
(E) AC
(E) AC
(E) PARKING M A#03-118952
(E) PA
(E) AC
(E) AC
HALLWOOD DRIVE
S 83°18'54" E
(E) BUILDING R A#03-123169
(E) BUILDING H A#03-107693
(E) BUILDING M A#13542
(E) PA
(E) PA
(E) BUILDING J A#03-107693
(E) BUILDING T
(E) PA
(E) BUILDING I A#30377
(E) AC
(E) STORAGE
(E) PA
(E) BUILDING K A#03-123169
(E) CC
(E) PA
(E) BUILDING L A#03-107693
(E) BUILDING L A#03-107693
(E) BUILDING A A#03-107693
(E) CC
(E) AC
(E) AC
(E) AC
FAIRVIEW STREET
N 83°19'42" W
(E) PARKING G A#03-108334
(E) BUILDING E A#03-108334
(E) BUILDING N A#03-107693
(E) BUILDING B A#03-107693
(E) BUILDING S A#03-108334
(E) PA
(E) BUILDING E A#03-108334
(E) BUILDING D A#03-107693
(E) BUILDING C A#03-107693
(E) BUILDING B A#03-107693
(E) AC
(E) BUILDING O A#03-107693
(E) BUILDING E A#03-108334
(E) BUILDING B A#03-107693
CEDAR AVENUE
S 14°12'01" W
(E) SERVICE YARD ENCLOSURE A#03-12231
(E) BUILDING F A#03-112915
(E) PA
(E) BUILDING P A#03-107693
(E) BUILDING G A#03-112915
(E) BUILDING G2 A#03-112915
(E) AC
(E) BUILDING F A#03-112915
(E) BUILDING F A#03-112915
(E) BUILDING V
(E) BUILDING P A#03-107693
(E) BUILDING P A#03-107693
(E) BUILDING G3
(E) PARKING F A#03-10834
(E) BUILDING G1 A#03-112915
(E) BUILDING Y A#108334
40
20
0
40
80

ENLARGED PLAN 1

ENLARGED SITE DEMOLITION PLAN	CD-1.0
ENLARGED SITE CONTROL PLAN	C-2.0
ENLARGED SITE GRADING PLAN	C-3.0

OVERALL SITE PLAN

SCALE: 1"=40

LEGENDS:

AREA OF WORK ▨

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER
VIRGILIO C. AGANAN
No. C36079
Exp. 6/30/26
CIVIL
STATE OF CALIFORNIA

VCA ENGINEERS INC
CIVIL ● STRUCTURAL MBE●DBE
Quality Service Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME:

OVERALL SITE PLAN

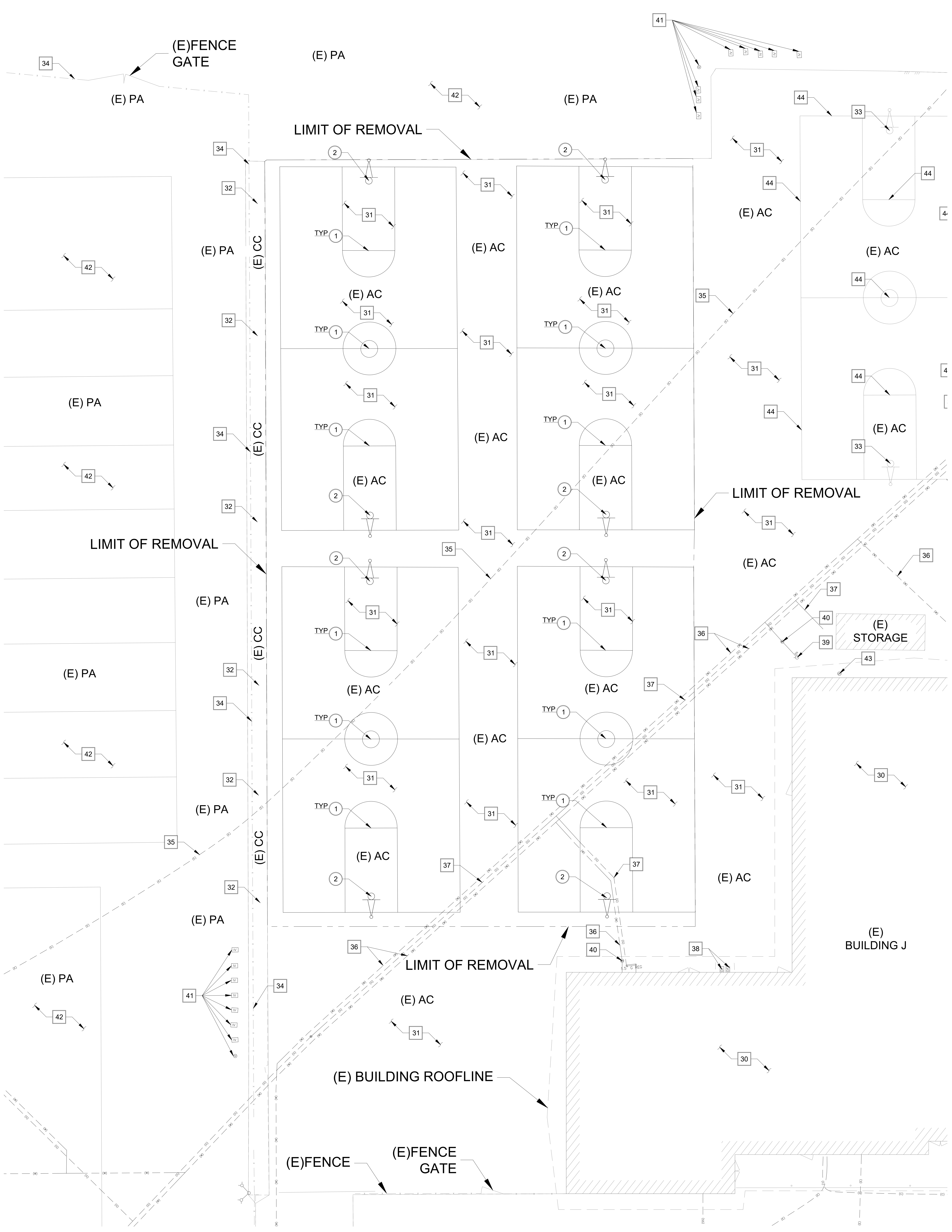
ADDENDUM

FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**
SHEET:

C-1.5

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE



1 ENLARGED SITE DEMOLITION PLAN
SCALE: 1"=10'

REMOVAL NOTES:

1. REMOVE EXISTING STRIPING.
2. REMOVE EXISTING BASKETBALL POLE AND IN THEIR ENTIRELY.

PROTECT-IN-PLACE NOTES:

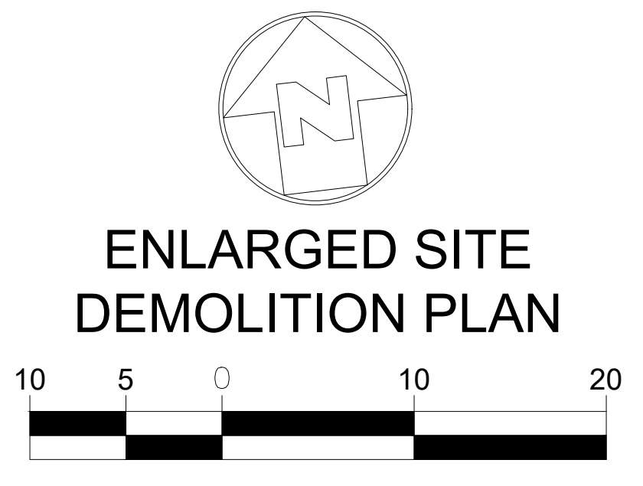
30	PROTECT IN PLACE EXISTING BUILDING.
31	PROTECT IN PLACE EXISTING AC PAVEMENT AND BASE MATERIAL, FULL DEPTH.
32	PROTECT IN PLACE EXISTING CONCRETE PAVEMENT.
33	PROTECT IN PLACE EXISTING BASKETBALL POLE.
34	PROTECT IN PLACE EXISTING CHAINLINK FENCE..
35	PROTECT IN PLACE EXISTING ELECTRICAL LINE.
36	PROTECT IN PLACE EXISTING WATER LINE.
37	PROTECT IN PLACE EXISTING GAS LINE.
38	PROTECT IN PLACE EXISTING DRINKING FOUNTAIN.
39	PROTECT IN PLACE EXISTING FIRE HYDRANT.
40	PROTECT IN PLACE EXISTING WATER VALVE.
41	PROTECT IN PLACE EXISTING IRRIGATION CONTROL VALVE.
42	PROTECT IN PLACE EXISTING TREES, SHRUBS, SOD, ETC. COORDINATE WITH LANDSCAPE DRAWINGS.
43	PROTECT IN PLACE EXISTING UTILITY.
44	PROTECT IN PLACE EXISTING STRIPING.

REMOVAL LEGENDS:

——— – – ——— LIMIT OF REMOVAL

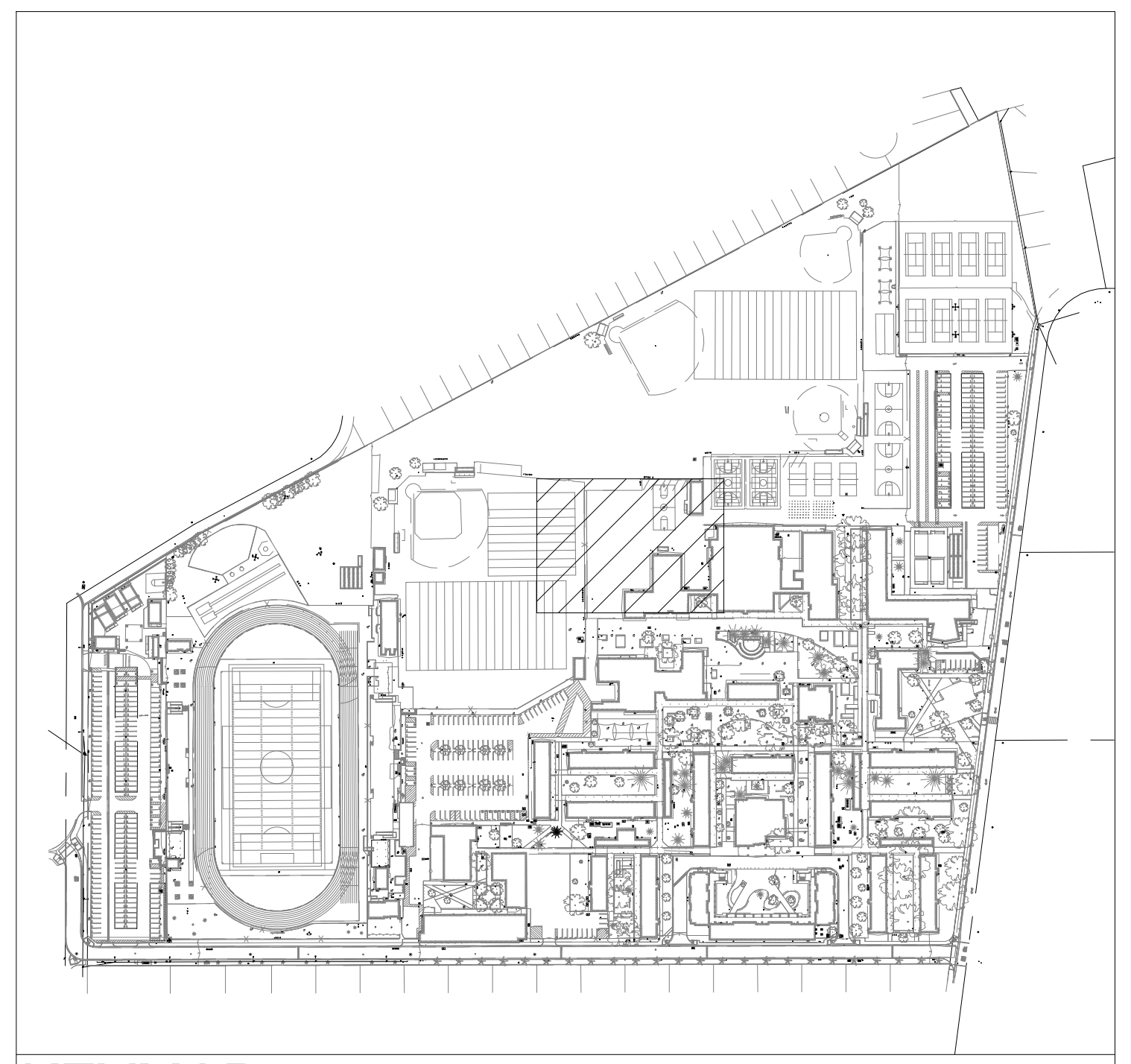
SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C-1.0.
2. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.



ENLARGED SITE
DEMOLITION PLAN

SCALE: 1"=10



KEYMAP
NTS

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects
3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

VIRGILIO C. AQANAN
No. C36079
Exp. 6/30/26
CIVIL

VCA ENGINEERS INC
CIVIL • STRUCTURAL MBE•DBE
Quality Service Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME: ENLARGED SITE
DEMOLITION PLAN

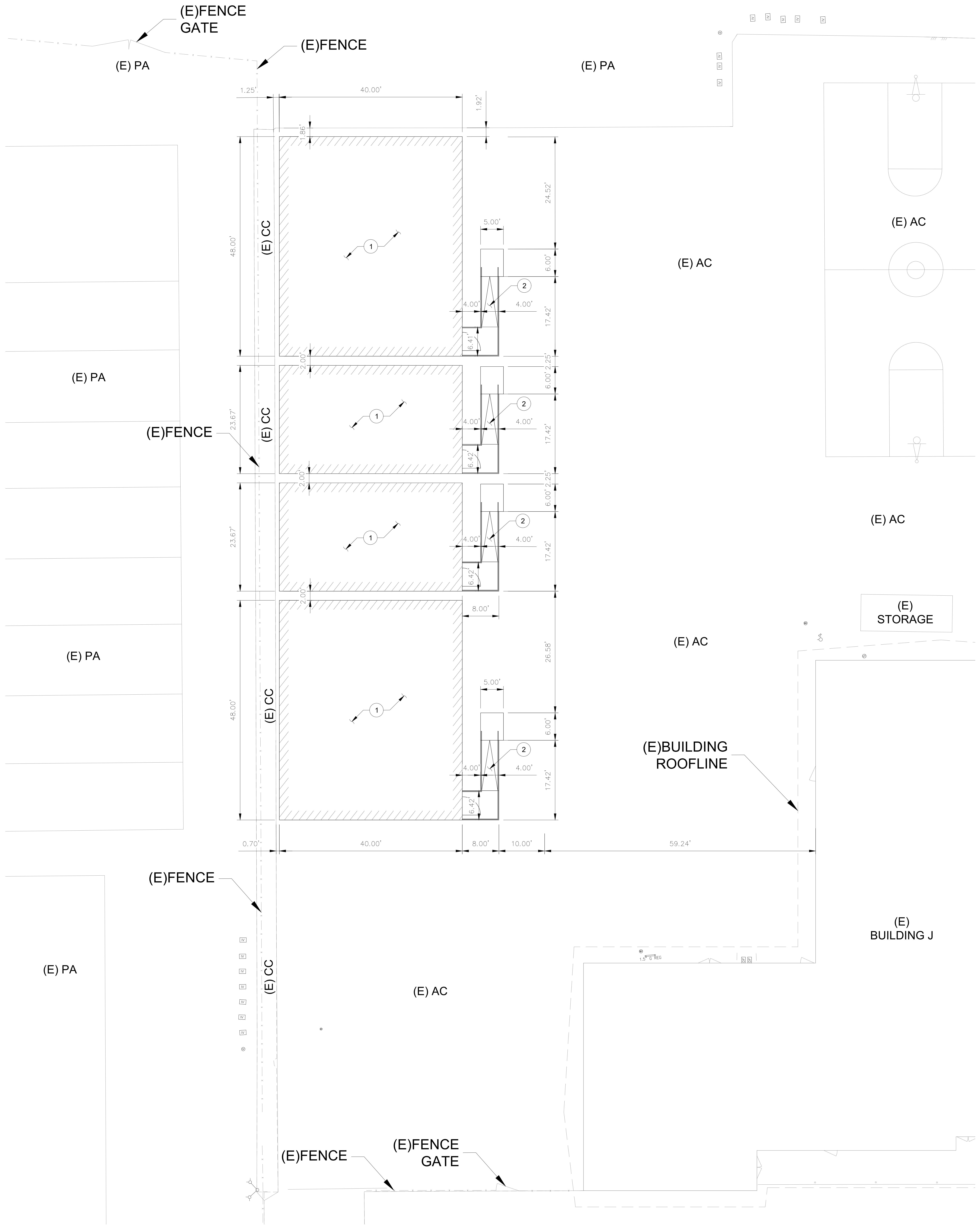
ADDENDUM

FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**
SHEET:

CD-1.0

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE



1 ENLARGED SITE CONTROL PLAN
SCALE: 1"=10'

CONSTRUCTION NOTES:

① INSTALL NEW PORTABLE BUILDING PER ARCHITECTURAL DRAWINGS.

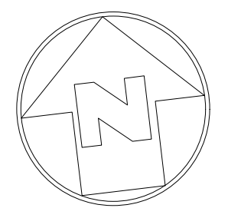
② INSTALL NEW TMP RAMP, PLATFORM AND RAILINGS PER ARCHITECTURAL DRAWINGS.

LEGENDS:

▨	INSTALL NEW PORTABLE BUILDING PER ARCHITECTURAL DRAWINGS.

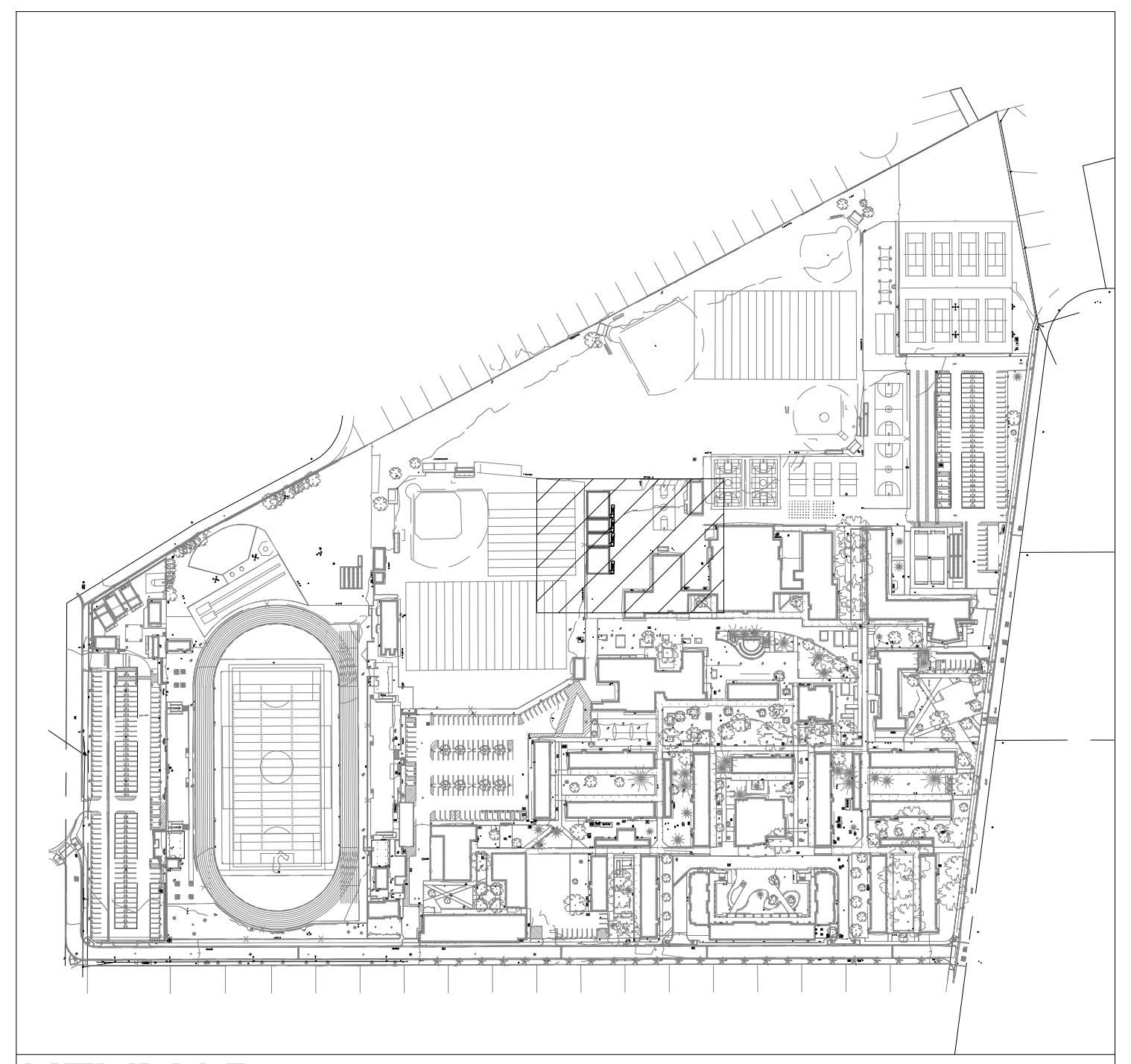
SHEET NOTES:

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C-1.0.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.



ENLARGED SITE
CONTROL PLAN

SCALE: 1"=10



KEYMAP
NTS

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

VIRGILIO C. AGANAN
No. C36079
Exp. 6/30/26
CIVIL

VCA ENGINEERS INC
CIVIL • STRUCTURAL MBE•DBE
Quality Service Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

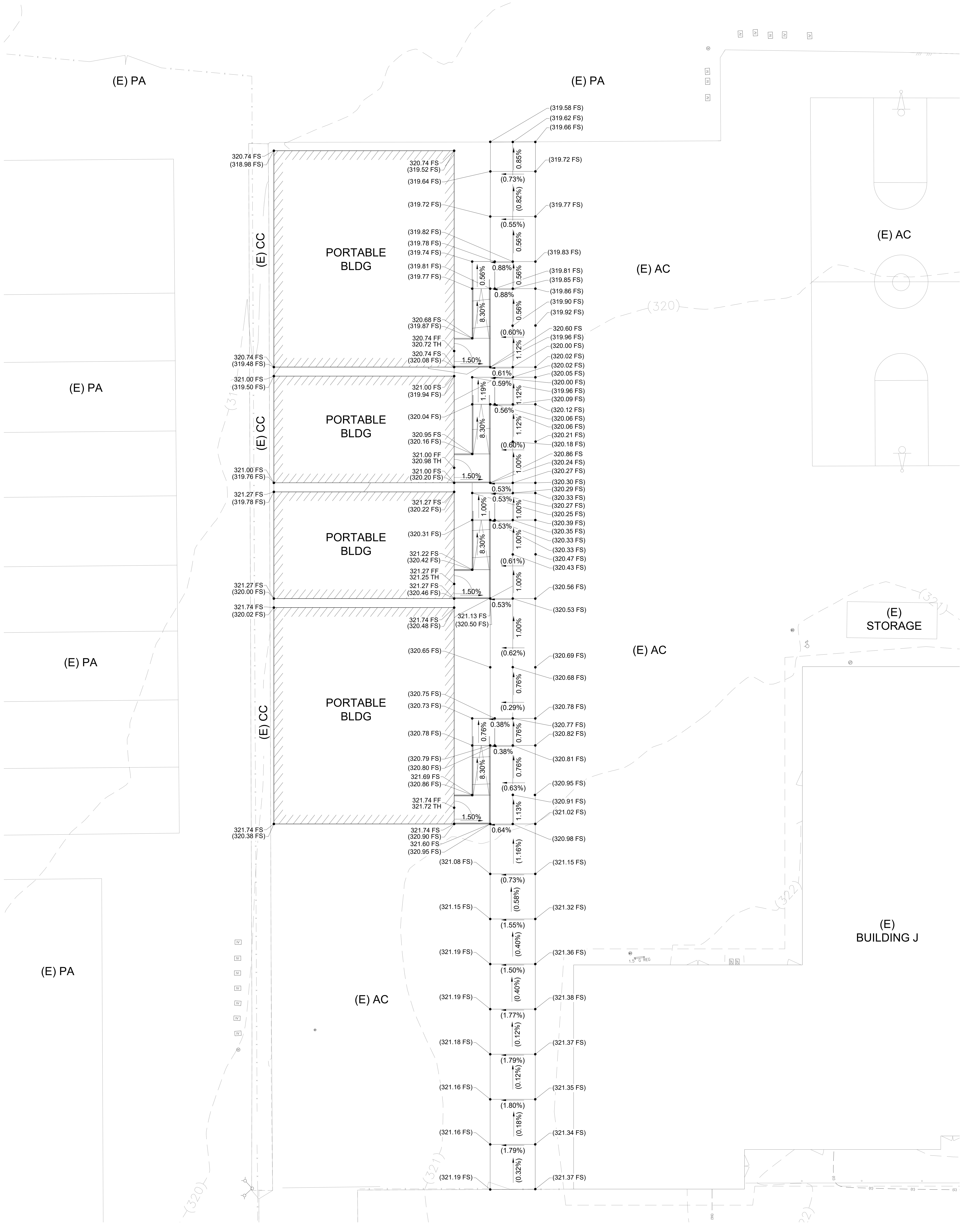
EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME:
ENLARGED SITE
CONTROL PLAN

ADDENDUM

FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**
SHEET:
C-2.0

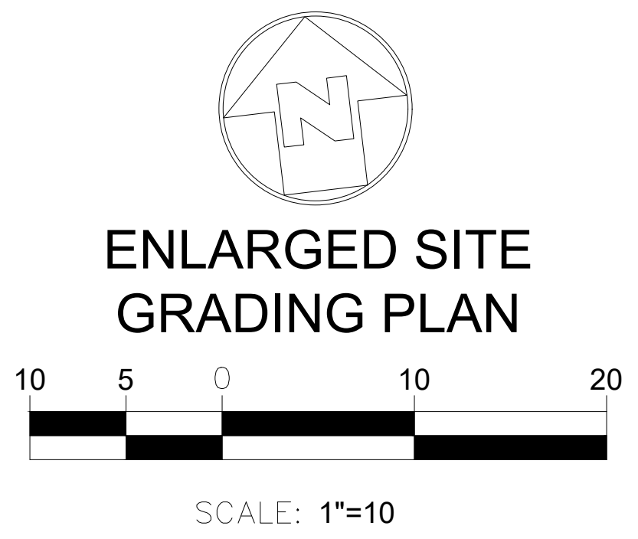
PLEASE RECYCLE



1 ENLARGED SITE GRADING PLAN
SCALE: 1"=10'

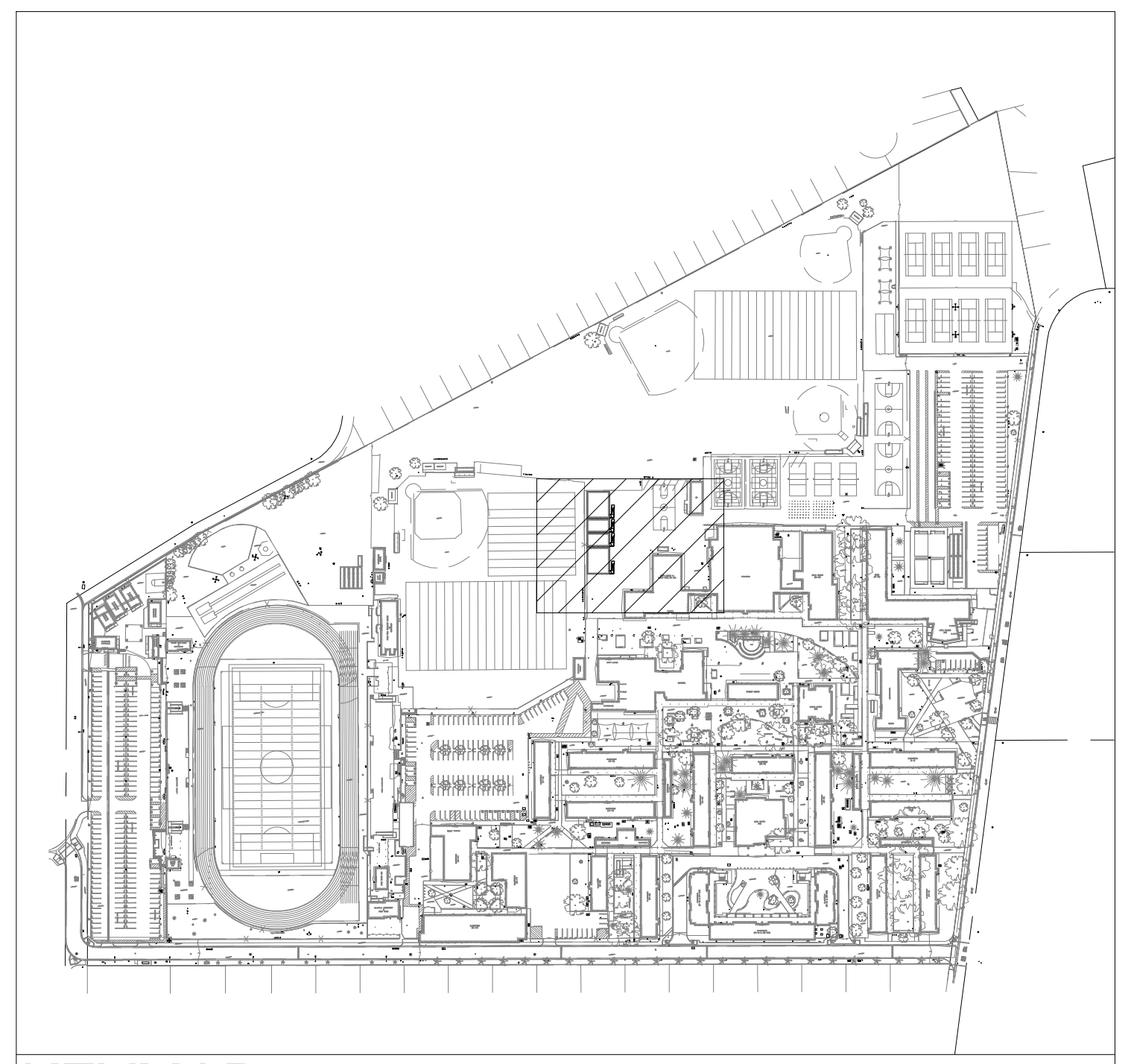
SHEET NOTES:

1. ALL GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTIONAL AGENCIES.
2. PROVIDE A HAUL ROUTE AS REQUIRED BY THE JURISDICTIONAL AGENCIES.
3. NO GRADING WORK SHALL BE PERFORMED AT ANY TIME WITHOUT AN EROSION SYSTEM APPROVED BY THE ENGINEER AND THE JURISDICTIONAL DISTRICT.
4. CONSTRUCT DESIGN GRADES SHOWN ON PLAN. CONSTRUCT STRAIGHT GRADES BETWEEN INDICATED ELEVATIONS UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATIONS FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL OF THE ARCHITECT.
5. CONTRACTOR SHALL RECOMPACT THE TOP 12" OF THE PAVING SUB GRADE TO 95% MAXIMUM RELATIVE DENSITY.
6. THE CONTRACTOR SHALL NOT BEGIN THE PAVING OPERATION UNTIL THE SUB GRADE HAS BEEN APPROVED BY THE DISTRICT RETAINED GEOTECHNICAL ENGINEER AND IOR.
7. THE CONTRACTOR IS ADVISED THAT THE APPROVAL OF THIS PLAN DOES NOT WAIVE THE REQUIREMENTS FOR EXCAVATIONS CONTAINED IN THE STATE CONSTRUCTION SAFETY ORDERS ENFORCED BY THE STATE DIVISION OF INDUSTRIAL SAFETY.
8. NO FILL TO BE PLACED, UNTIL THE GEOTECHNICAL ENGINEER OR IOR HAS INSPECTED AND APPROVED THE BOTTOM OF EXCAVATION.
9. ALL FILL OR BACK FILL SHALL BE COMPACTED BY MECHANICAL MEANS TO A MINIMUM 95% RELATIVE COMPACTION AS DETERMINED BY THE ASTM D-1557. ALL FILL INSTALLATION SHALL REQUIRE CERTIFICATION BY THE GEOTECHNICAL ENGINEER PRIOR TO FOUNDATION INSTALLATION.



ENLARGED SITE
GRADING PLAN

SCALE: 1"=10



KEYMAP
NTS

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

COMMUNITY COMMITTED TO COLLEGE AND CAREER

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

VIRGILIO C. AGANAN
No. C36079
Exp. 6/30/26
CIVIL

VCA ENGINEERS INC
CIVIL • STRUCTURAL MBE•DBE
Quality Service Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME:
ENLARGED SITE
GRADING PLAN

ADDENDUM

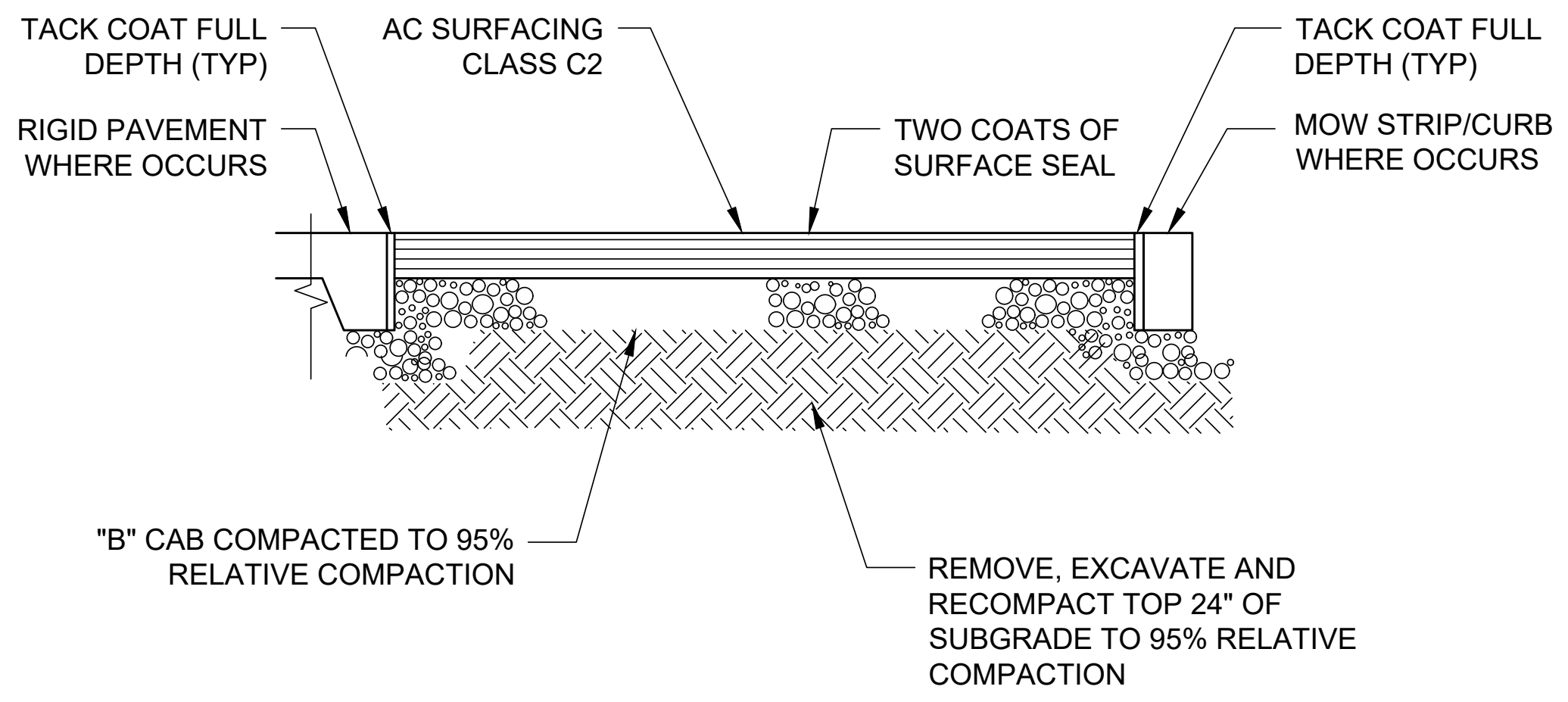
FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**
SHEET:

C-3.0

PLEASE RECYCLE

THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE

LOCATION	A C		BASE COURSE		
	THICKNESS "A"	CLASS	THICKNESS "B"	TYPE	GRADE
TRACK LOCATION/ PARKING/LIGHT TRAFFIC	4"	C2	6"	CAB	FINE

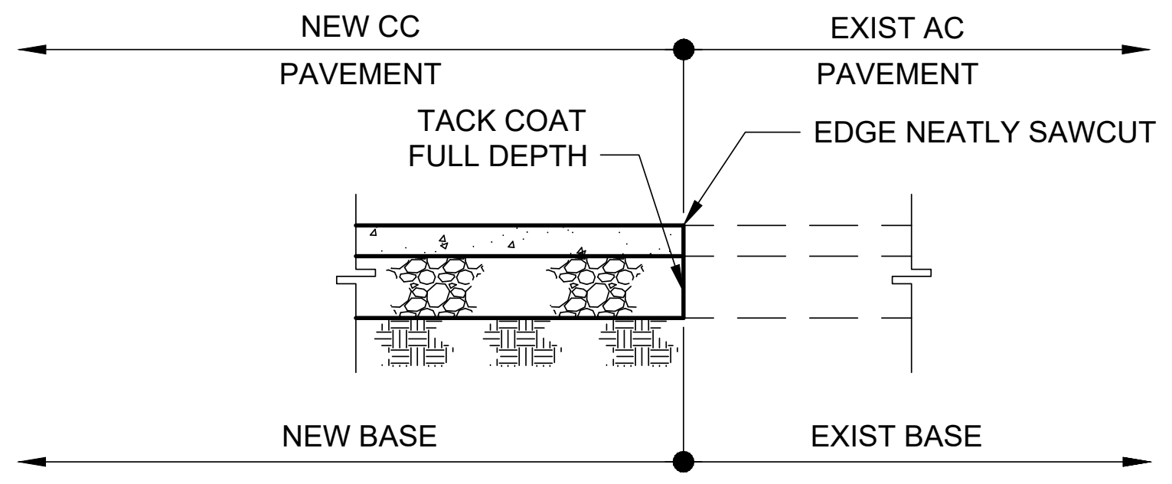

TACK COAT FULL DEPTH (TYP)
AC SURFACING CLASS C2
TACK COAT FULL DEPTH (TYP)
RIGID PAVEMENT WHERE OCCURS
TWO COATS OF SURFACE SEAL
MOW STRIP/CURB WHERE OCCURS
"B" CAB COMPACTED TO 95% RELATIVE COMPACTION
REMOVE, EXCAVATE AND RECOMPACT TOP 24" OF SUBGRADE TO 95% RELATIVE COMPACTION

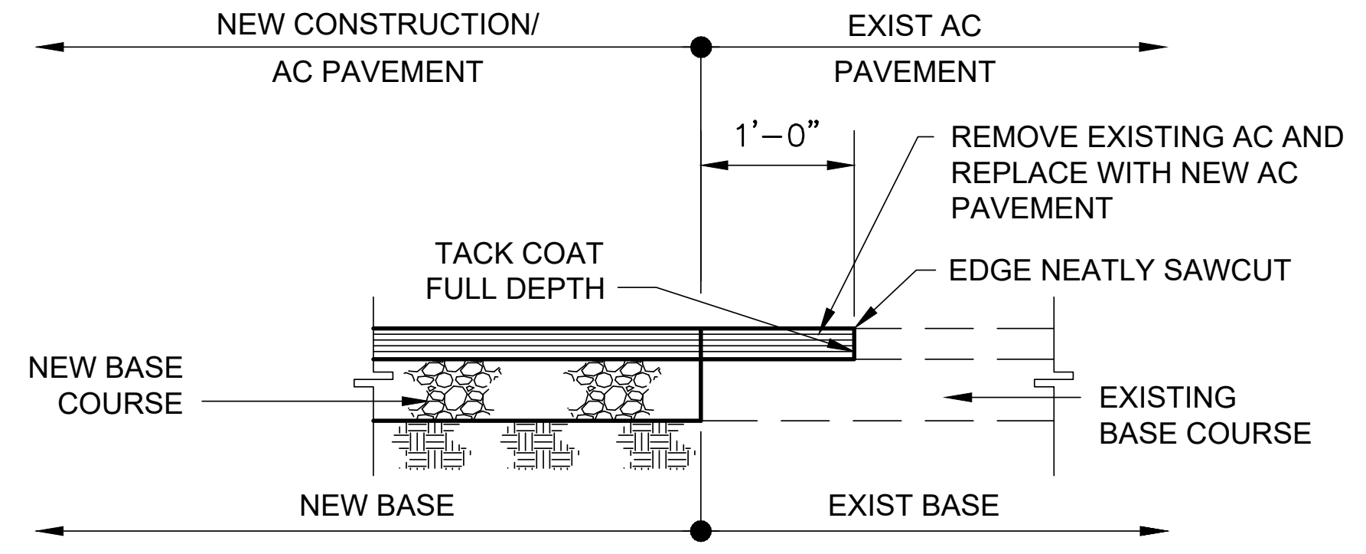
NOTES:

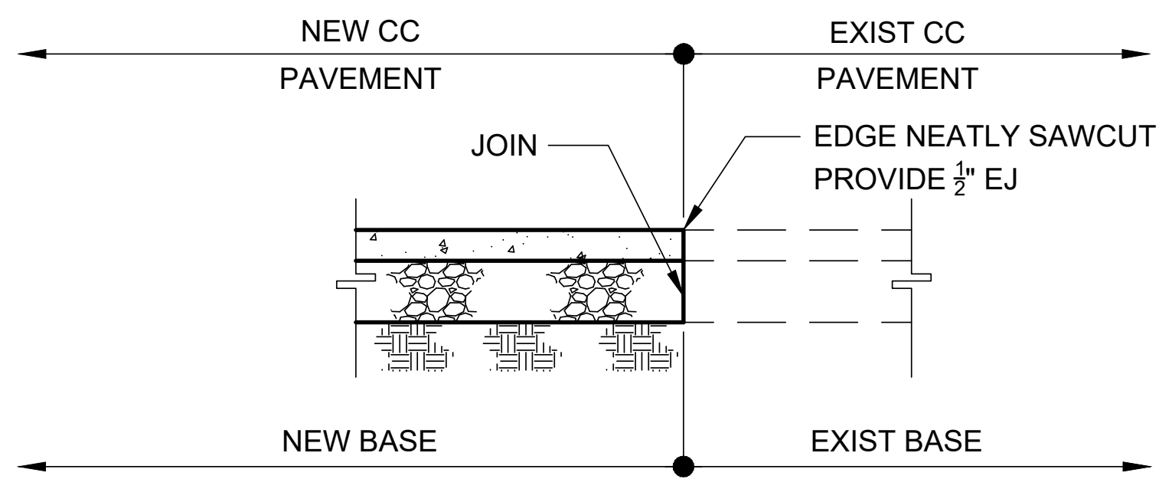
1. FOR PAVEMENT JOINT REFER TO DETAIL 4 ON THIS SHEET.
2. THE EXISTING GRADE IN THIS AREA SHOULD BE REMOVED AND RECOMPACTED A MINIMUM OF TWELVE INCHES (12") BELOW THE PROPOSED SUBGRADE ELEVATION.

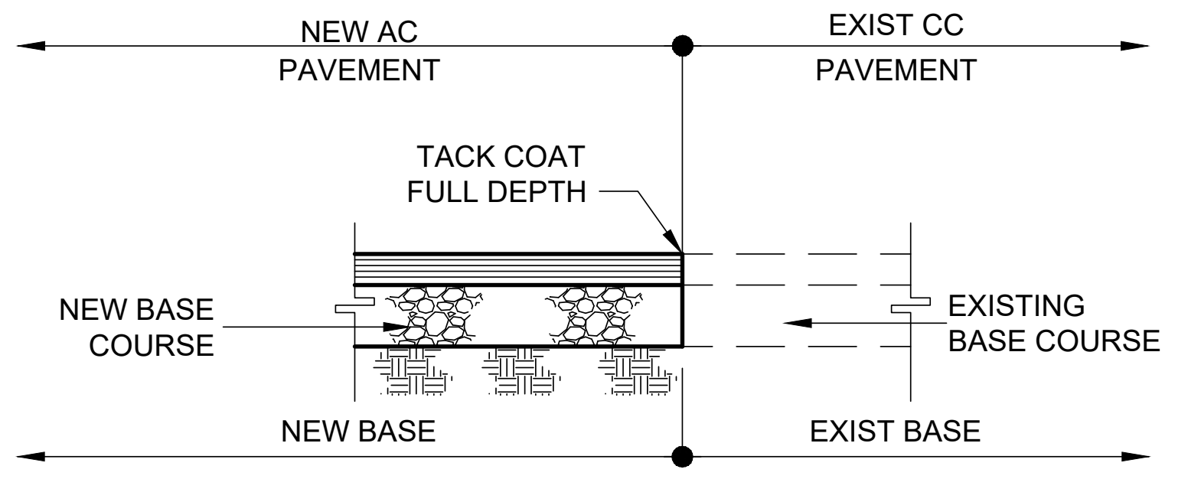
1 ASPHALT PAVEMENT DETAIL

NOT TO SCALE









2 PAVEMENT JOINT DETAIL

NOT TO SCALE

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

VIRGILIO C. AGANAN
No. C36079
Exp. 6/30/26
CIVIL

MCA ENGINEERS INC
CIVIL ● STRUCTURAL
MBE●DBE
Quality
Service
Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME:

MISCELLANEOUS DETAILS

ADDENDUM

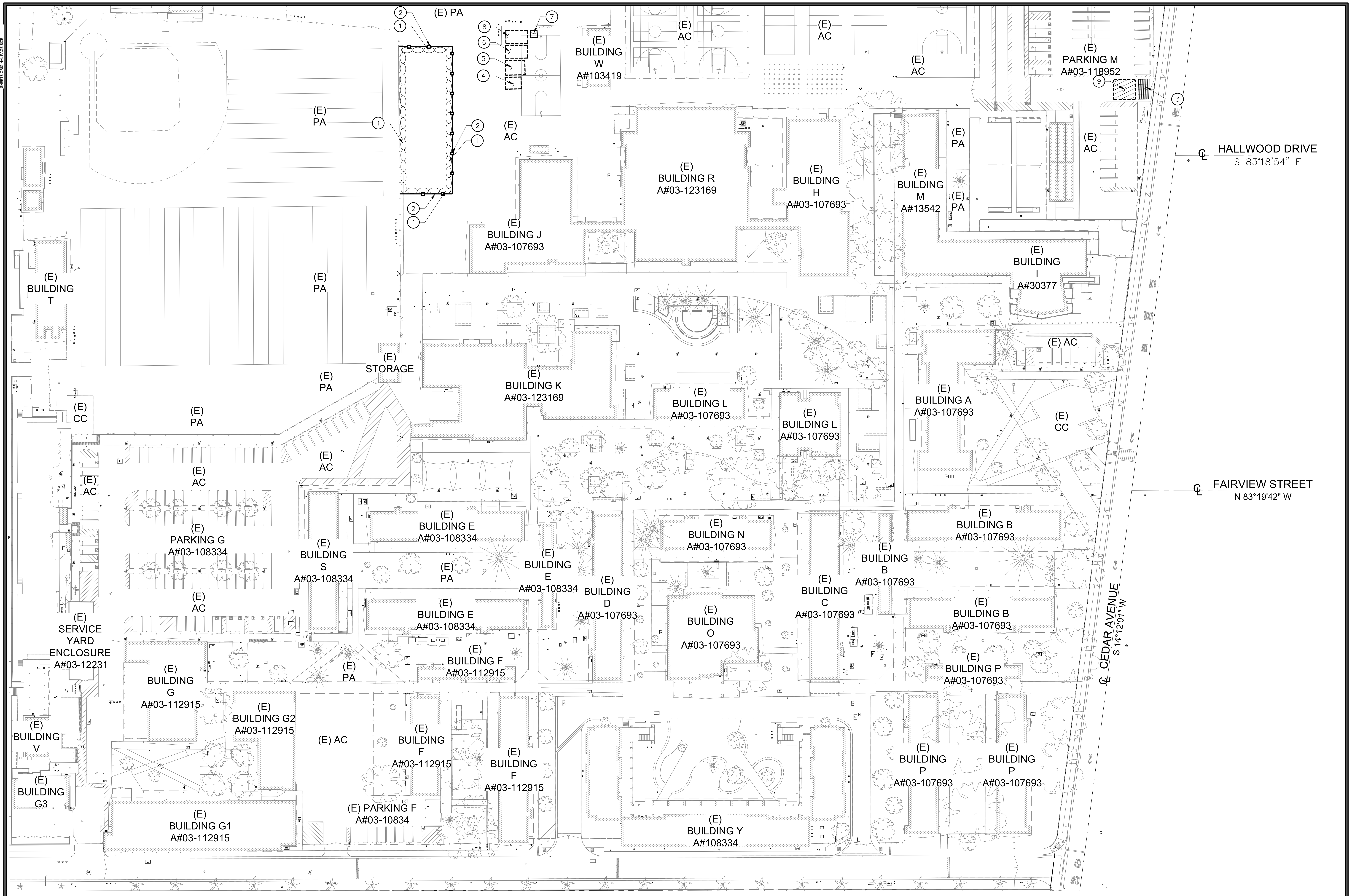
FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**

SHEET:

C-5.0

PLEASE RECYCLE ♲

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE


(E) PA
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
(E) BUILDING W A#103419
(E) AC
(E) PARKING M A#03-118952
(E) PA
HALLWOOD DRIVE
S 83°18'54" E
(E) BUILDING R A#03-123169
(E) BUILDING H A#03-107693
(E) BUILDING M A#13542
(E) BUILDING J A#03-107693
(E) BUILDING T
(E) BUILDING I A#30377
(E) STORAGE
(E) BUILDING K A#03-123169
(E) BUILDING L A#03-107693
(E) BUILDING A A#03-107693
(E) CC
(E) PARKING G A#03-108334
FAIRVIEW STREET
N 83°19'42" W
(E) BUILDING E A#03-108334
(E) BUILDING S A#03-108334
(E) BUILDING N A#03-107693
(E) BUILDING B A#03-107693
(E) BUILDING D A#03-107693
(E) BUILDING C A#03-107693
(E) BUILDING O A#03-107693
CEDAR AVENUE
S 14°12'01" W
(E) SERVICE YARD ENCLOSURE A#03-12231
(E) BUILDING F A#03-112915
(E) BUILDING P A#03-107693
(E) BUILDING G A#03-112915
(E) BUILDING G2 A#03-112915
(E) AC
(E) BUILDING V
(E) BUILDING G3
(E) BUILDING G1 A#03-112915
(E) PARKING F A#03-10834
(E) BUILDING Y A#108334

CONSTRUCTION NOTES:

① INSTALL GRAVEL BAGS UNTIL THE COMPLETION OF THE SITE CONSTRUCTION. REFER TO DETAIL 2 ON SHEET C–6.1.

② SILT FENCE PER DETAIL 5 ON SHEET C–6.1.

③ STABILIZED CONSTRUCTION ENTRANCE/EXIT PER DETAIL 4 ON SHEET C–6.1.

④ PROPOSED AREA FOR EQUIPMENT STAGING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.

⑤ PROPOSED AREA FOR FUELING/OILING. CONTRACTOR TO VERIFY ACTUAL AREA NEEDED AND COORDINATE WITH THE CPM. REFER TO DETAIL 9 ON SHEET C–6.1.

⑥ PROPOSED AREA FOR LOADING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.

⑦ PROPOSED AREA FOR TEMPORARY TOILETS. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.

CONSTRUCTION NOTES (CONT.)

⑧ PROPOSED AREA FOR VEHICLE AND EQUIPMENT CLEANING. CONTRACTOR TO VERIFY EXACT LOCATION AND COORDINATE WITH THE CONTRACTOR PROJECT MANAGER.

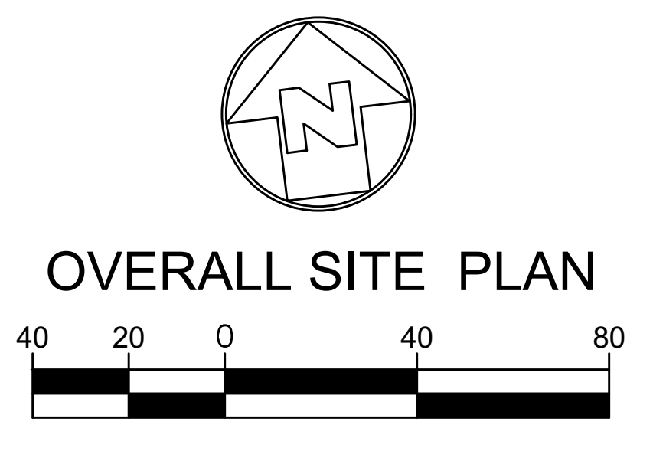
⑨ TIRE WASH PER DETAIL 6 ON SHEET C–6.1.

LEGENDS:

○○○○○○○○○○	GRAVEL BAGS
—□—□—□—	SILT FENCE

SHEET NOTES:

1. LOCATION FOR ANY DESIGNATED STOCKPILES SHALL BE COORDINATED AND DETERMINED BY THE CONTRACTOR ON–SITE. CONTRACTOR SHALL APPLY ALL APPLICABLE BMP'S TO PROTECT THE STOCKPILE AS OUTLINED IN DETAIL 7 ON SHEET C–6.1.
2. INSTALL 2" OF TEMPORARY CAB GRAVEL ON ALL ON–SITE CONSTRUCTION ROADWAYS TO STABILIZED AND CONTROL EROSION.
3. CONTRACTOR SHALL FROM TIME TO TIME MONITOR THE CONSTRUCTION SITE TO CLEAN AND SWEEP MATERIALS TRACKED OFF SITE.
4. ALL BMP'S, SILT FENCES, ETC., SHALL BE MONITORED AND MAINTAINED BY THE NTP1 CONTRACTOR FOR THE ENTIRE DURATION OF THE CONTRACT.
5. CONTRACTOR SHALL MONITOR WASTEWATER DISCHARGE (INCLUDING STORM RUNOFF) TO ENSURE IT MEETS STANDARDS SET BY APPROPRIATE LAWS, CODES, REGULATIONS, ORDINANCES AND PERMITS. PROVIDE A SETTLING BASIN AND OIL SEPARATOR PRIOR TO ITS DISCHARGE TO CITY OR COUNTRY SEWERS. PROVIDE A WATER SAMPLING STATION DOWNSTREAM OF BASIN FOR MONITORING OF WASTE WATER. DISPOSE OF WASTEWATER IN CLOSED CONDUITS SO AS NOT TO DAMAGE PUBLIC OR PRIVATE PROPERTY NOR CREATE A NUISANCE OR HEALTH HAZARD.
6. CONTRACTOR SHALL NOT DISCHARGE POLLUTANTS DOWNSTREAM OF THE SETTLING BASIN/OIL SEPARATOR. THESE POLLUTANTS INCLUDE LUBRICANTS, FUELS, CHEMICALS, AND BITUMENS. CONTROL USE OF LUBRICATING OILS, HYDRAULIC FLUIDS, GREASES, AND OTHER SUCH PRODUCTS. PROMPTLY CLEAN UP AND PROPERLY DISPOSE OF MATERIALS CONTAMINATED BY SPILLAGE OR LEAKAGE OF PRODUCTS.
7. THE CONTRACTOR SHALL MODIFY AS REQUIRED THE CURRENT APPROVED SWPPP/EROSION CONTROL PLANS FOR EACH PHASE OF THE PROJECT OR AS CONSTRUCTION ACTIVITIES PROGRESS THROUGH THE DURATION OF THE CONTRACT. THESE MODIFICATIONS SHALL BE REPORTED AND COORDINATED WITH BOTH THE QSD AND THE QSP. ANY MODIFICATIONS TO THE OVERALL DURATION OF CONSTRUCTION SCHEDULE FROM THAT AS SHOWN ON THE CURRENT SWPPP, SHALL ALSO BE REPORTED TO THE QSD. THE QSD SHALL THAN BE REQUIRED TO FILE AN EXTENSION OF CONSTRUCTION OR COI, (CHANGE OF INFORMATION), WITH THE STATE WATER RESOURCE CONTROL BOARD. ALL BMP'S SHALL BE MAINTAINED YEAR ROUND TO THE SATISFACTION OF THE QSD AND QSP.
8. CONTRACTOR SHALL PROTECT ALL EXISTING DRAIN INLETS WITHIN A 500–FT RADIUS FROM THE CENTER OF THE SITE TO PREVENT NON–STORMWATER RUNOFF FROM ENTERING THE STORM DRAIN SYSTEM.
9. FOR EROSION CONTROL GENERAL NOTES, AND MISCELLANEOUS REQUIREMENTS, SEE SHEET C–6.1.



OVERALL SITE PLAN

SCALE: 1"=40

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

VIRGILIO C. AGANAN
No. C36079
Exp. 6/30/26
CIVIL

VCA ENGINEERS INC
CIVIL • STRUCTURAL
MBE•DBE
Quality Service Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME:

EROSION CONTROL PLAN

ADDENDUM

FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**
SHEET:

C-6.0 ⚠1

PLEASE RECYCLE ♲

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

GENERAL NOTES:

1. IN CASE OF EMERGENCY, CALL: CONTRACTOR NAME ______________________________. PHONE NUMBER: ____________________.
2. A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. A GUARD SHALL BE POSTED ON SITE WHEREVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPERATIONS.
7. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE QSP. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
8. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
9. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
10. EVERY EFFORT MUST BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITE AT ALL TIMES.
11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
12. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
13. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTINGS AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASTED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
15. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMP's ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF SELF-INSPECTION CHECKLIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST). AT HIS/HER EXPENSE THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A QUALIFIED SWPPP PRACTITIONER FOR THE DURATION OF THE PROJECT.
16. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
17. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
18. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
19. AS THE ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMPs NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION QUALITY."
20. THE FOLLOWING BMPs AS OUTLINED IN, BUT NOT LIMITED TO, THE "CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK" – JANUARY 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE PROJECT ENGINEER OR THE BUILDING OFFICIAL). _________________________

BUILDING OFFICIAL SIGNATURE

EROSION CONTROL

EC1 – SCHEDULING
EC2 – PRESERVATION OF EXISTING VEGETATION
EC3 – HYDRAULIC MULCH
EC4 – HYDROSEEDING
EC5 – SOIL BINDERS
EC6 – STRAW MULCH
EC7 – GEOTEXTILES AND MATS
EC8 – WOOD MULCHING
EC9 – EARTH DIKES AND DRAINAGE SWALES
EC10 – VELOCITY DISSIPATION DEVICES
EC11 – SLOPE DRAINS
EC12 – STREAMBANK STABILIZATION
EC13 – RESERVED
EC14 – COMPOST BLANKETS
EC15 – SOIL PREPARATION/ROUGHENING
EC16 – NON-VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL

SE1 – SILT FENCE
SE2 – SEDIMENT BASIN
SE3 – SEDIMENT TRAP
SE4 – CHECK DAM
SE5 – FIBER ROLLS
SE6 – GRAVEL BAG BERM
SE7 – STREET SWEEPING AND VACUUMING
SE8 – GRAVEL BAG BARRIER
SE9 – STRAW BALE BARRIER
SE10 – STORM DRAIN INLET PROTECTION
SE11 – ACTIVE TREATMENT SYSTEMS
SE12 – TEMPORARY SILT DIKE
SE13 – COMPOST SOCKS & BERMS
SE14 – BIOFILTERS BAGS

WIND EROSION CONTROL

WE1 – WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 – STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 – STABILIZED CONSTRUCTION ROADWAY
TC3 – ENTRANCE/OUTLET TIRE WASH

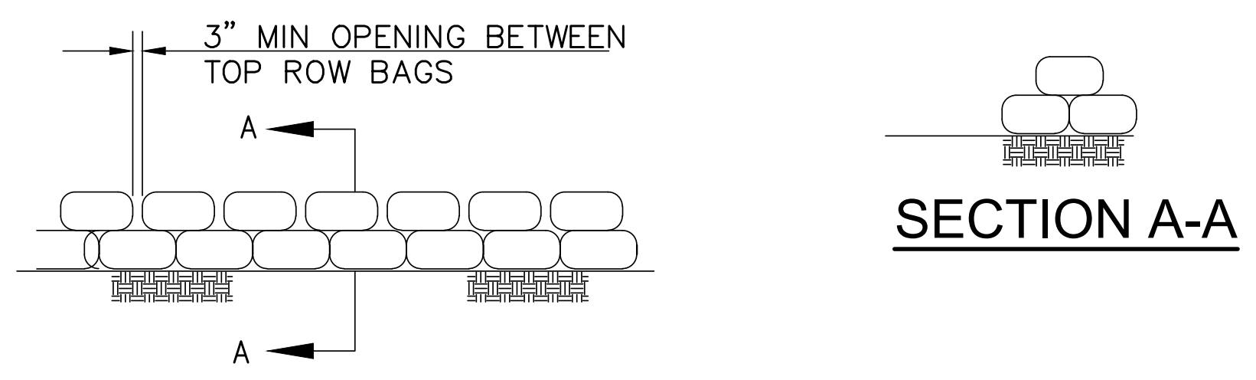
NON-STORMWATER MANAGEMENT

NS1 – WATER CONSERVATION PRACTICES
NS2 – DEWATERING OPERATIONS
NS3 – PAVING AND GRINDING OPERATIONS
NS4 – TEMPORARY STREAM CROSSING
NS5 – CLEARWATER DIVERSION
NS6 – ILLICIT CONNECTION/DISCHARGE
NS7 – POTABLE WATER/IRRIGATION
NS8 – VEHICLE AND EQUIPMENT CLEANING
NS9 – VEHICLE AND EQUIPMENT FUELING
NS10 – VEHICLE AND EQUIPMENT MAINTENANCE
NS11 – PILE DRIVING OPERATIONS
NS12 – CONCRETE CURING
NS13 – CONCRETE FINISHING
NS14 – MATERIAL AND EQUIPMENT USE
NS15 – DEMOLITION ADJACENT TO WATER
NS16 – TEMPORARY BATCH PLANTS

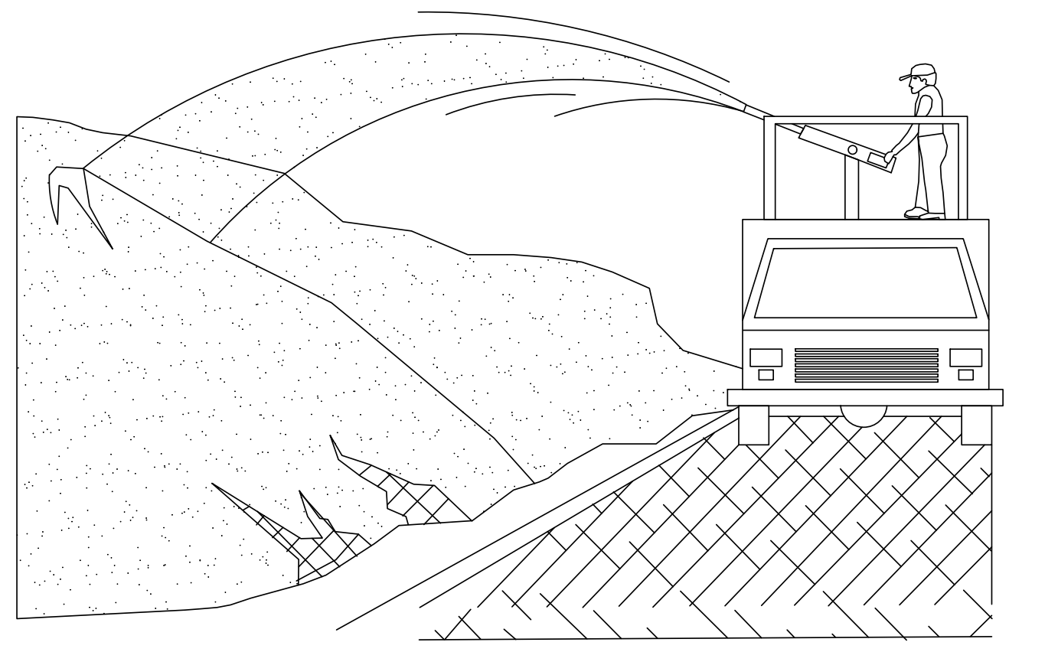
WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

WM1 – MATERIAL DELIVERY AND STORAGE
WM2 – MATERIAL USE
WM3 – STOCKPILE MANAGEMENT
WM4 – SPILL PREVENTION AND CONTROL
WM5 – SOLID WASTE MANAGEMENT
WM6 – HAZARDOUS WASTE MANAGEMENT
WM7 – CONTAMINATION SOIL MANAGEMENT
WM8 – CONCRETE WASTE MANAGEMENT
WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
WM10 – LIQUID WASTE MANAGEMENT

1 GENERAL NOTES



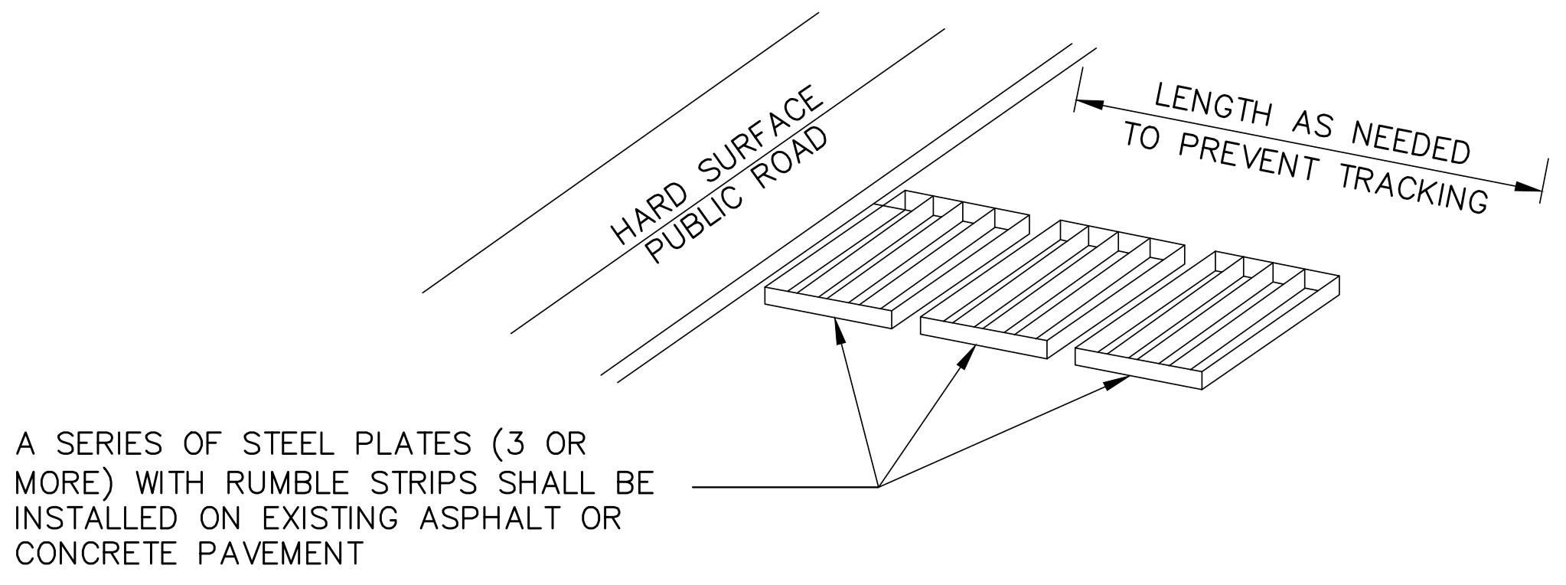
2 GRAVEL BAG DETAIL
NOT TO SCALE



NOTES:

1. SOIL/SLOPE STABILIZATION PRACTICES SHALL BE DESIGNED TO PRESERVE EXISTING VEGETATION WHERE FEASIBLE AND TO REVEGETATE OPEN AREAS AS SOON AS FEASIBLE AFTER GRADING. THESE CONTROL PRACTICES SHALL INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, OR OTHER SOIL STABILIZATION PRACTICES.
2. SOIL STABILIZATION SHALL BE IMPLEMENTED ON ALL INACTIVE DISTURBED AREAS FROM NOVEMBER 1 THRU APRIL 15 AND ON ALL DISTURBED AREAS DURING A RAIN EVENT OR POTENTIAL RAIN.
3. STABILIZATION PRACTICES SHALL CONTROL/PREVENT EROSION FROM THE FORCES OF WIND AND WATER.
4. STABILIZATION PRACTICES SHALL BE IMPLEMENTED IN CONJUNCTION WITH SEDIMENT TRAPPING/FILTERING PRACTICES AND PRACTICES TO REDUCE THE TRACKING OF SEDIMENT ONTO PAVED ROADS.
5. WHEN USING STRAW MULCHING, THE MINIMUM APPLICATION SHALL BE 2 TONS/ACRE. MULCH MUST BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER.
6. WHEN USING HYDROSEEDING/MULCHING, THE MINIMUM APPLICATION OF WOOD FIBER SHALL BE 1,500 LBS/ACRE,THAT DOES NOT CONTAIN MORE THAN 50 PERCENT NEWSPRINT.
7. FOR SEEDING RECOMMENDATIONS, USDA, NATURAL RESOURCES CONSERVATION SERVICE.

3 EROSION CONTROL
NOT TO SCALE


HARD SURFACE PUBLIC ROAD
LENGTH AS NEEDED TO PREVENT TRACKING
A SERIES OF STEEL PLATES (3 OR MORE) WITH RUMBLE STRIPS SHALL BE INSTALLED ON EXISTING ASPHALT OR CONCRETE PAVEMENT

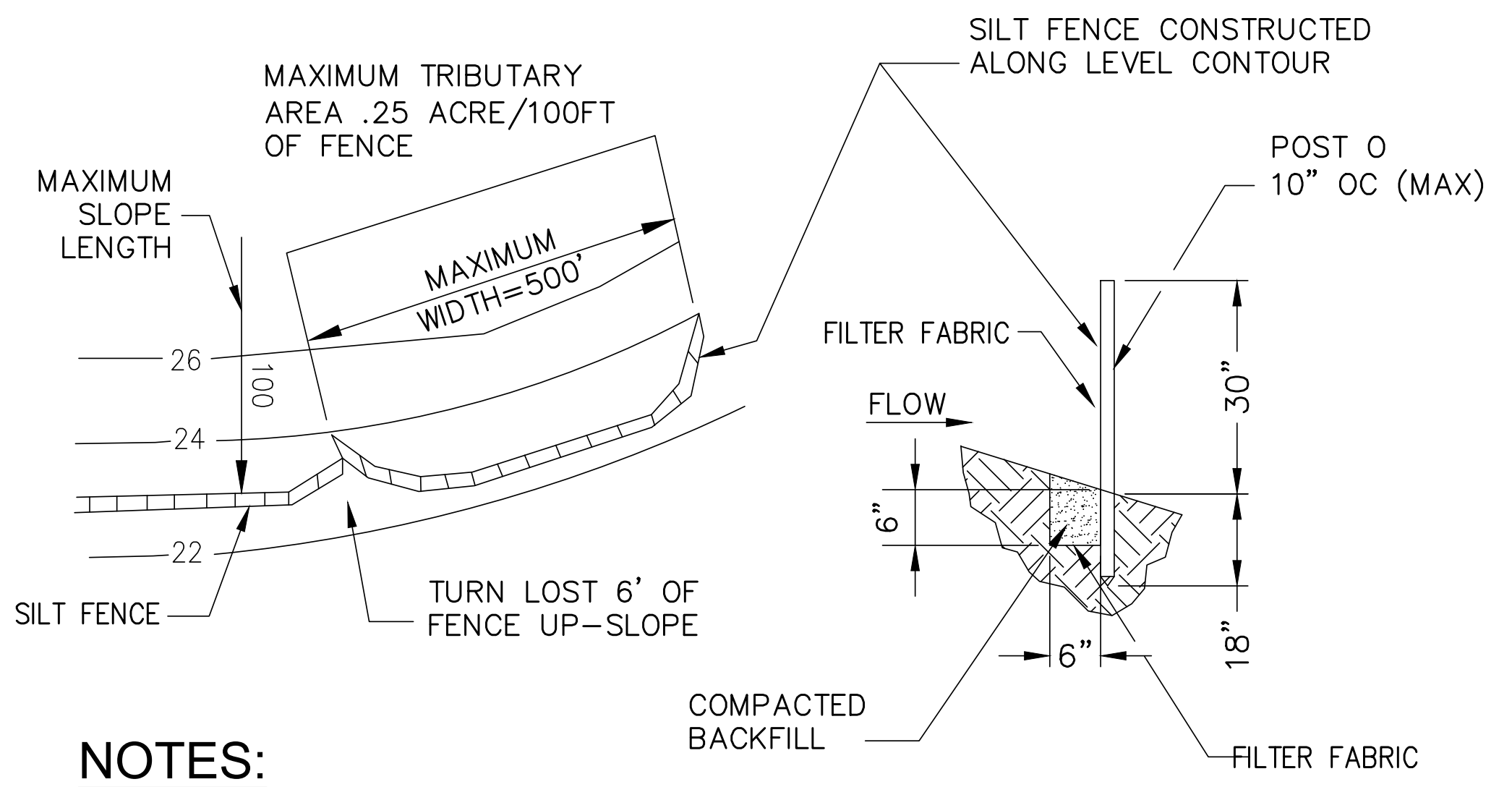
NOTES:

1. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN SYSTEM.
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE:
   - A. LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE RD OR FROM A PUBLIC RIGHT OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING AREA.
   - B. A SERIES OF STEEL PLATES WITH "RUMBLE STRIPS", AND/OR MIN 4" COARSE AGGREGATE WITH LENGTH, WIDTH & THICKNESS AS NEEDED TO ADEQUATELY PREVENT ANY TRACKING ONTO PAVED SURFACES.
3. ADDING A WASH RACK WITH A SEDIMENT TRAP LARGE ENOUGH TO COLLECT ALL WASH WATER CAN GREATLY IMPROVE EFFICIENCY.
4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE SITES.

STREET MAINTENANCE

1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS IMMEDIATELY.
2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC WHENEVER SEDIMENT BECOMES VISIBLE.
3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN A DISCHARGE TO THE STORM DRAIN SYSTEM.

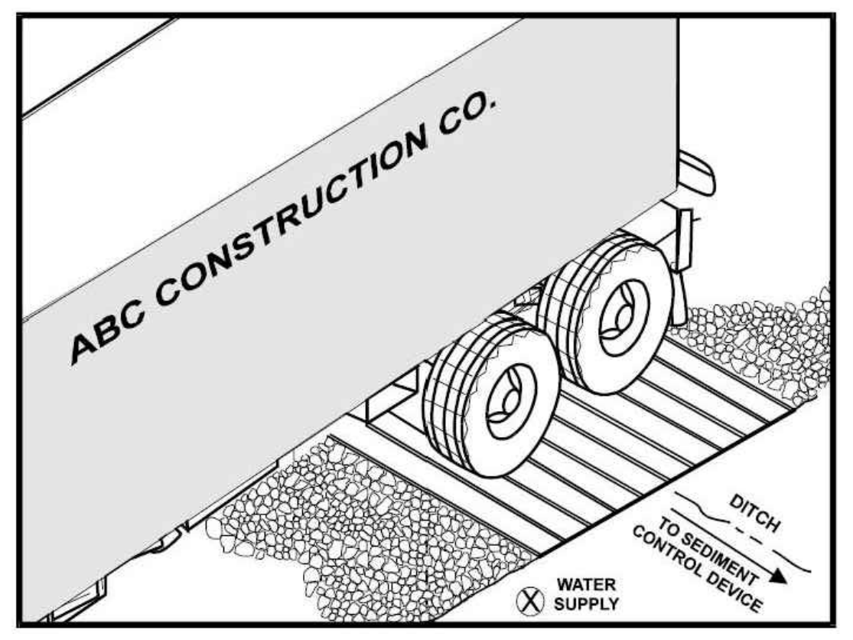
4 STABILIZED CONSTRUCTION ENTRANCE / EXIT
NOT TO SCALE



NOTES:

1. CONSTRUCT THE SILT FENCE ALONG A LEVEL CONTOUR.
2. SILT FENCES SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED.
3. PROVIDE SUFFICIENT ROOM FOR RUNOFF TO POND BEHIND THE FENCE AND ALLOW SEDIMENT REMOVAL EQUIPMENT TO PASS BETWEEN THE SILT FENCE AND TOE OF SLOPE OR OTHER OBSTRUCTIONS. ABOUT 1200 SQ. FT. OF PONDING AREA SHALL BE PROVIDED FOR EVERY ACRE DRAINING TO THE FENCE.
4. TURN THE ENDS OF THE FILTER FENCE UPHILL TO PREVENT STORMWATER FROM FLOWING AROUND THE FENCE.
5. LEAVE AN UNDISTURBED OR STABILIZED AREA IMMEDIATELY DOWNSLOPE FROM THE FENCE.
6. DO NOT PLACE IN LIVE STREAM OR INTERMITTENTLY FLOWING CHANNELS.
7. WHEN STANDARD FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG. TIE WIRES OR HOG RINGS.

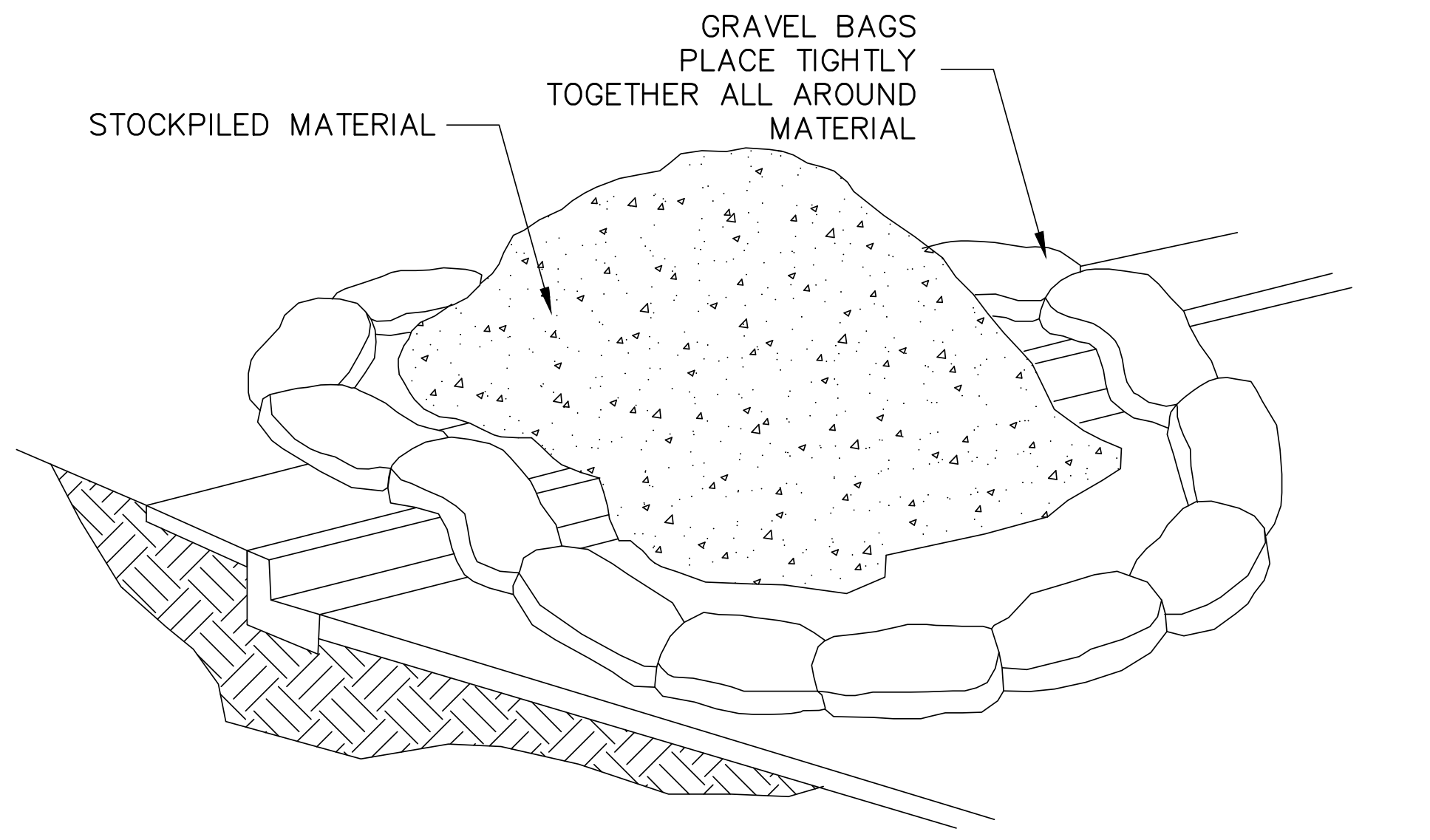
5 SILT FENCE
NOT TO SCALE



NOTES:

1. THE TIRE WASH REQUIRES A SUPPLY OF WASH WATER.
2. A TURNOUT OR DOUBLEWIDE EXIT IS REQUIRED TO AVOID HAVING ENTERING VEHICLES DRIVE THROUGH THE WASH AREA.
3. DO NOT USE WHERE WET TIRE TRUCKS LEAVING THE SITE LEAVE THE ROAD DANGEROUSLY SLICK.
4. INCORPORATE WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT.
5. CONSTRUCT ON LEVEL GROUND WHEN POSSIBLE, ON A PAD OF COARSE AGGREGATE GREATER THAN 3 IN. BUT SMALLER THAN 6 IN. A GEOTEXTILE FABRIC SHOULD BE PLACED BELOW THE AGGREGATE.
6. WASH RACK SHOULD BE DESIGNED AND CONSTRUCTED/MANUFACTURED FOR ANTICIPATED TRAFFIC LOADS.

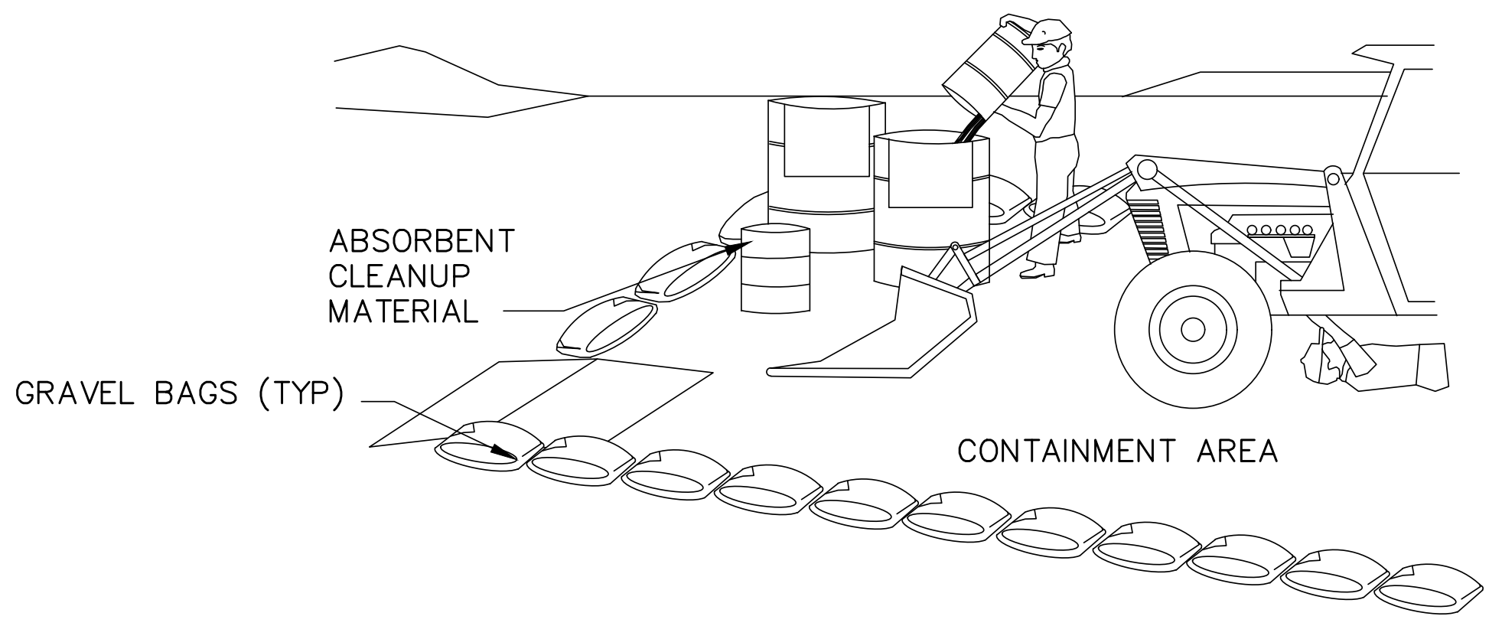
6 ENTRANCE/OUTLET TIRE WASH
NOT TO SCALE



NOTES:

1. DIRT AND OTHER CONSTRUCTION RELATED MATERIALS PLACED IN THE STREET OR ON OTHER IMPERVIOUS SURFACES MUST BE CONTAINED WITH SANDBAGS OR OTHER MEASURES TO PREVENT TRANSPORT TO THE STORMDRAIN SYSTEM.
2. ANY CONSTRUCTION MATERIAL STORED OR STOCKPILED ON-SITE SHALL BE PROTECTED FROM BEING TRANSPORTED BY THE FORCE OF WIND OR WATER.

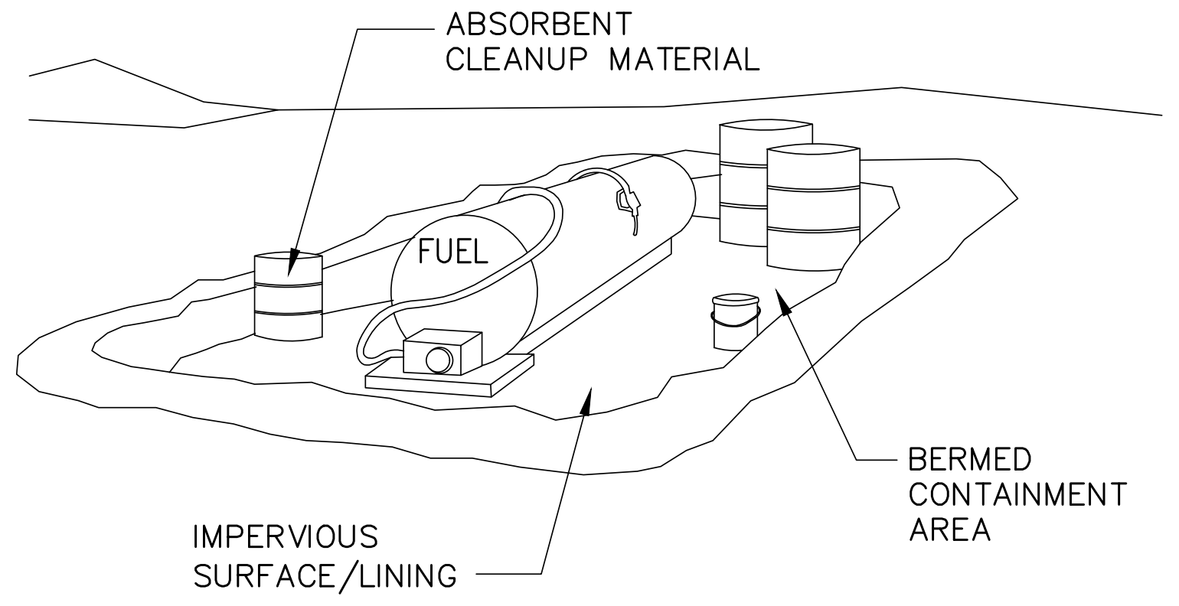
7 MATERIAL STORAGE
NOT TO SCALE



NOTES:

1. LEAKING VEHICLES AND EQUIPMENT SHALL NOT BE ALLOWED ON-SITE. EQUIPMENT AND VEHICLES SHALL BE INSPECTED FREQUENTLY FOR LEAKS AND SHALL BE REPAIRED IMMEDIATELY. CLEAN UP SPILLS AND LEAKS PROMPTLY WITH ABSORBENT; DO NOT FLUSH WITH WATER.
2. VEHICLES AND EQUIPMENT SHALL BE MAINTAINED AND REPAIRED ON-SITE ONLY IN DESIGNATED AREAS. PREVENT RUN-ON AND RUN-OFF FROM DESIGNATED AREAS. CONTAINMENT DEVICES SHALL BE PROVIDED AND AREAS SHALL BE COVERED IF NECESSARY.
3. DESIGNATE ON-SITE VEHICLE AND EQUIPMENT MAINTENANCE AREAS, WAY FROM STORM DRAIN INLETS AND WATERCOURSES.
4. ALWAYS USE SECONDARY CONTAINMENT, SUCH AS A DRAIN PAN OR DROP CLOTH, TO CATCH SPILLS AND LEAKS WHEN REMOVING OR CHANGING FLUIDS.
5. LEGALLY DISPOSE OF USED OILS, FLUIDS, AND LUBRICANTS.
6. PROVIDE SPILL CONTAINMENT DIKES OR SECONDARY CONTAINMENT AROUND STORED OIL, FUEL, AND CHEMICAL DRUMS.
7. MAINTAIN ON ADEQUATE SUPPLY OF ABSORBENT SPILL CLEANUP MATERIALS IN DESIGNATED AREA.

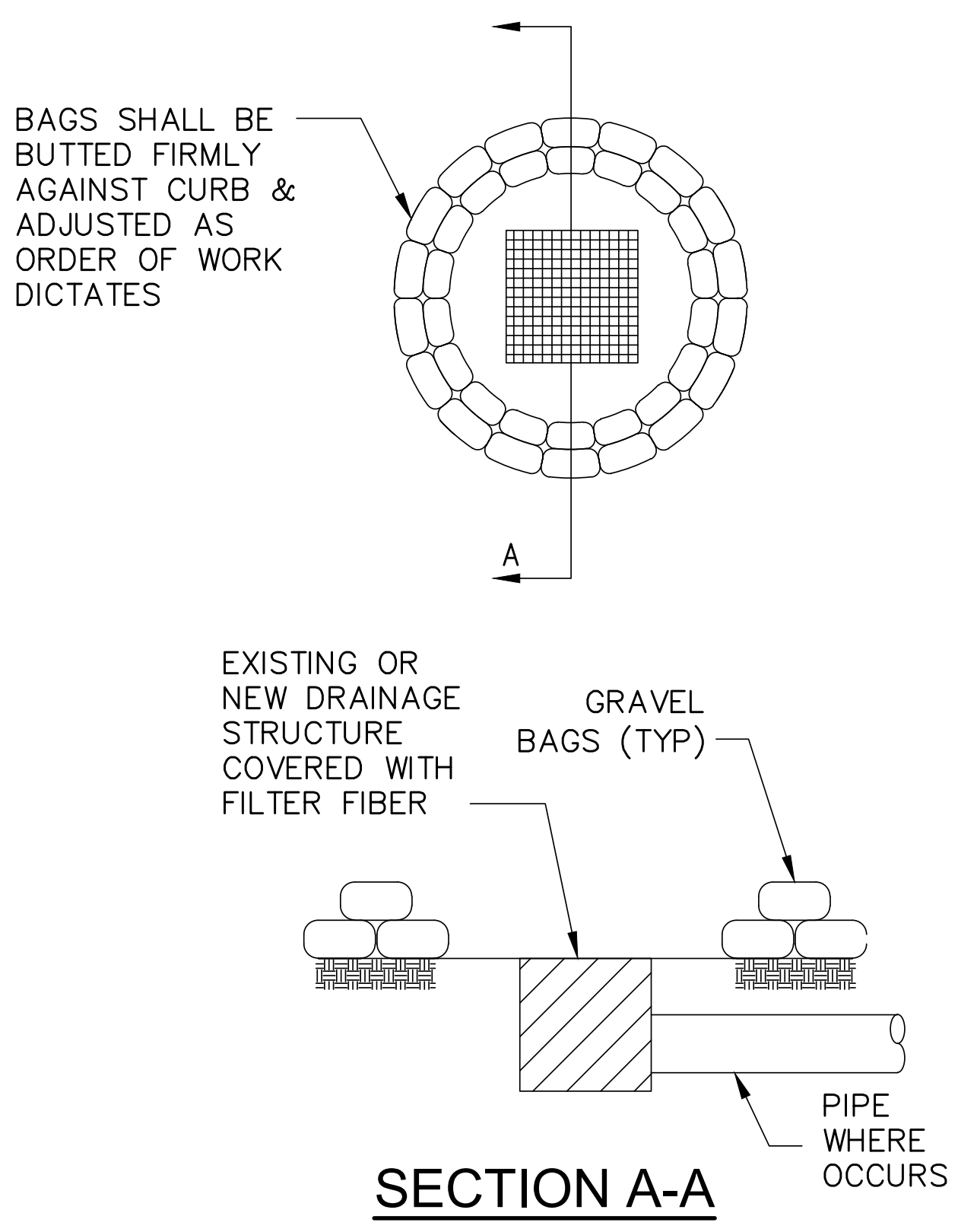
8 EQUIPMENT REPAIR/MAINTENANCE
NOT TO SCALE



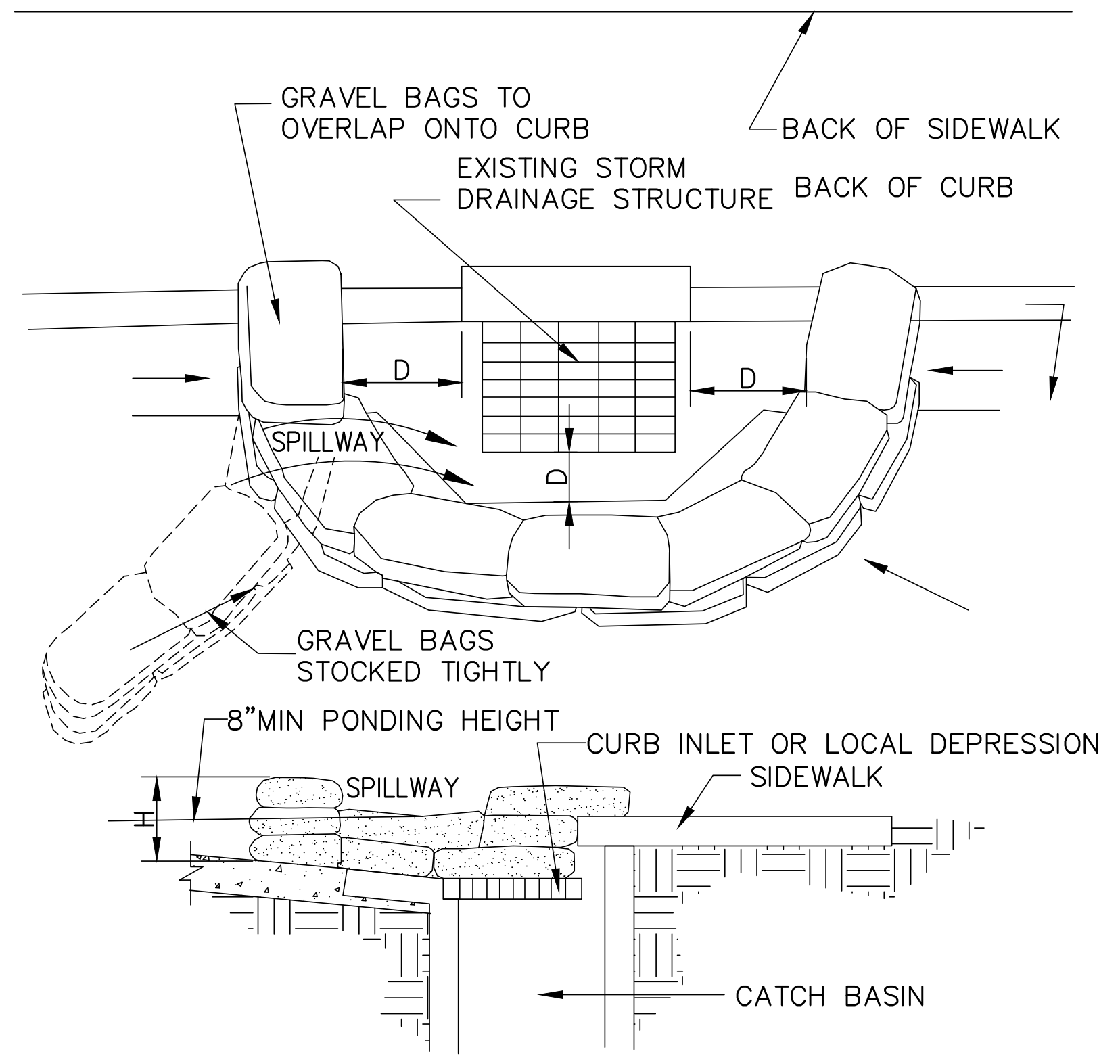
NOTE:

1. FUELING SHALL BE PERFORMED IN A DESIGNATED AREA, AWAY FROM COURSES. ABSORBENT CLEANUP MATERIAL SHALL BE ON SITE AND USED IMMEDIATELY IN THE EVENT OF A SPILL.

9 VEHICLE / EQUIPMENT FUELING
NOT TO SCALE


BAGS SHALL BE BUTTED FIRMLY AGAINST CURB & ADJUSTED AS ORDER OF WORK DICTATES
A
EXISTING OR NEW DRAINAGE STRUCTURE COVERED WITH FILTER FIBER
GRAVEL BAGS (TYP)
PIPE WHERE OCCURS
SECTION A-A

10 GRAVEL BAG CHECKDAM
NOT TO SCALE


GRAVEL BAGS TO OVERLAP ONTO CURB
BACK OF SIDEWALK
EXISTING STORM DRAINAGE STRUCTURE
BACK OF CURB
D
D
D
SPILLWAY
GRAVEL BAGS STOCKED TIGHTLY
8"MIN PONDING HEIGHT
CURB INLET OR LOCAL DEPRESSION
SIDEWALK
SPILLWAY
H
CATCH BASIN

NOTES:

1. INLET PROTECTION IS REQUIRED ALONG WITH OTHER POLLUTION PREVENTION MEASURES SUCH AS: EROSION CONTROL, SOIL STABILIZATION, AND MEASURES TO PREVENT TRACKING ONTO PAVED SURFACES.
2. MODIFY INLET PROTECTION AS NEEDED TO AVOID CREATING TRAFFIC HAZARDS.
3. INCLUDE INLET PROTECTION MEASURES AT HILLSIDE V-DITCHES AND MISCELLANEOUS DRAINAGE SWALES.
4. INLET PROTECTION SHALL BE PROTECTED AND ACCUMULATED SEDIMENTS REMOVED. SEDIMENT SHALL BE DISPOSED OF PROPERTY AND IN A MANNER THAT ASSURES THAT THE SEDIMENT DOES NOT ENTER THE STORM DRAIN SYSTEM.
5. DAMAGED BAGS SHALL BE REPLACED IMMEDIATELY.
6. ADDITIONAL SANDBAG SEDIMENT TRAPS SHALL BE PLACED AT INTERVALS AS INDICATED ON SITE PLANT.

11 CATCH BASIN/INLET PROTECTION
NOT TO SCALE

OWNER STATEMENT OF UNDERSTANDING:

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, I HAVE READ AND UNDERSTAND THE REQUIREMENTS TO CONTROL STORM WATER POLLUTION FROM SEDIMENTS, EROSION, AND CONSTRUCTION MATERIALS, AND I CERTIFY THAT I WILL COMPLY WITH THESE REQUIREMENTS. I, OR MY REPRESENTATIVE, CONTRACTOR, DEVELOPER, OR ENGINEER, WILL MAKE CERTAIN THAT ALL BMP SHOWN ON THIS PLAN WILL BE FULLY IMPLEMENTED, AND ALL EROSION CONTROL DEVICES WILL BE KEPT CLEAN AND FUNCTIONING. PERIODIC INSPECTIONS OF THE BMPs WILL BE CONDUCTED AND A CURRENT LOG, SPECIFYING THE EXACT NATURE OF THE INSPECTION AND ANY REMEDIAL MEASURES, WILL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES AND WILL BE AVAILABLE FOR THE REVIEW BY THE BUILDING OFFICIAL.

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, "I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE LOCAL SWPPP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE LOCAL SWPPP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY THE LAW."

______________________________________ _____
OWNER OR AUTHORIZED REPRESENTATIVE (PERMITEE) DATE

12 STATEMENT OF UNDERSTANDING

PLEASE RECYCLE

AGENCY APPROVAL:

REVIEWING AGENCIES
STAMP HERE

HMC Architects

3361008101

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

VIRGILIO C. AGANAN
No. C36079
Exp. 6/30/26
CIVIL

VCA ENGINEERS INC
CIVIL • STRUCTURAL MBE•DBE
Quality Service Commitment
631 S. Atlantic Blvd
Monterey Park, CA 91754
Tel. 323.729.6098 Fax. 323.729.6043

FACILITY:

4921 CEDAR AVENUE
EL MONTE, CALIFORNIA 91732

PROJECT:

EMUSD ARROYO HIGH SCHOOL - INTERIM HOUSING

SHEET NAME:

EROSION
CONTROL DETAILS

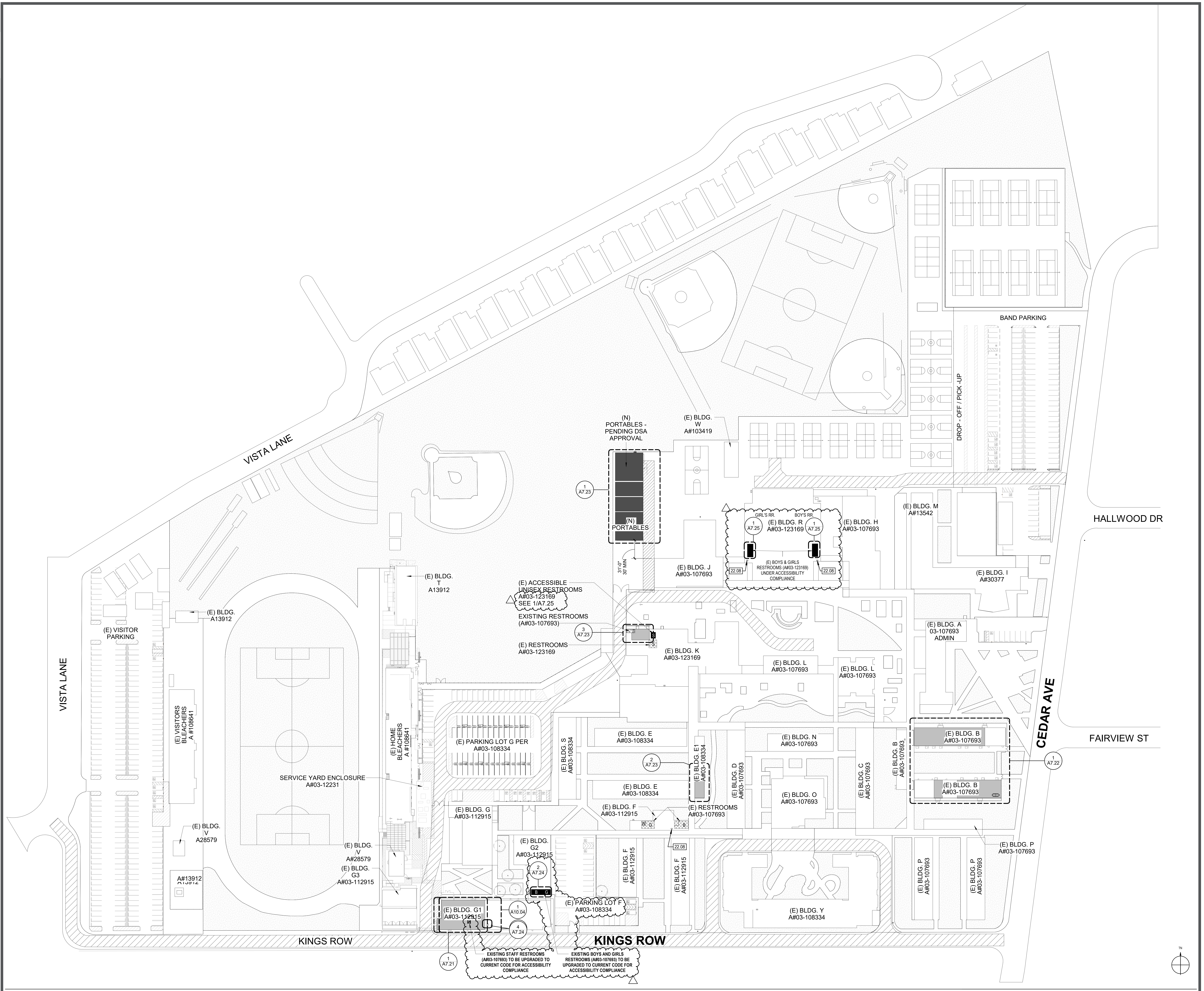
ADDENDUM

FILE NO.: **19-H10**
A NO: **03-123641**
DATE: **2026.05.29**
CLIENT PROJ NO: **3361-008-101**
SHEET:

C-6.1 1

PK-3

THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE



EXISTING STAFF RESTROOMS
(A#03-107693) TO BE UPGRADED TO
CURRENT CODE FOR ACCESSIBILITY
COMPLIANCE

EXISTING BOYS AND GIRLS
RESTROOMS (A#03-107693) TO BE
UPGRADED TO CURRENT CODE FOR
ACCESSIBILITY COMPLIANCE

- ARCHITECTURAL SITE PLAN - **1**
1" = 60'-0"

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:21 PM

PLEASE RECYCLE ♲

HMC Architects
DESIGN
FOR
GOOD
3361-008-000

633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA
ELAINE
MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

22.08	(E) HIGH & LOW DRINKING FOUNTAIN | SEE REFERENCE DETAIL 9/A10.71

NOTES

1. REFER TO SHEET G0.11 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
2. REFER TO LANDSCAPE DRAWINGS FOR PAVING AND PLANTING INFORMATION
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR UTILITY INFORMATION
4. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF ALL HARDSCAPE/PLANTING OUTSIDE OF LIMIT OFWORK LINE FOR CONNECTION OF UNDERGROUND UTILITIES

LEGEND

▨	PARKING LOT STRIPING
▨	(E) FIRE LANE ACCESS PER A# 03-118952 & 03-123169
▨	NEW PATH OF TRAVEL. REFER TO CIVIL PLANS
■	NEW BUILDING(S) IN SCOPE
▩	EXISTING BUILDING(S) & STUCTURE(S) IN SCOPE OF WORK
☐	AREA NOT IN SCOPE

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

PROJECT SITE PLAN

ADDENDUM

FILE NO.: 3361008101
A NO.: 03-126126
DATE: **2026.06.23**
CLIENT PROJ NO: **3361-008-101**
SHEET:

A1.21

PK-3

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

EMUSD ARROYO HS - INTERIM HOUSING

		RESPONSIBLE PARTY	NOTES
REMOVAL OF EQUIPMENT			
1.	Folding and stackable chairs	GC	
2.	Tables	GC	
3.	Furniture	GC	
4.	Working tables	GC	
5.	Shelving system	GC	
6.	Millwork	GC	
7.	Machines	GC	
8.	Carts and dollies	GC	
9.	Wood planks	GC	
10.	Devices and cables	GC	
11.	Screen projector	GC	
12.	Storage boxes	GC	
13.	Tools	GC	

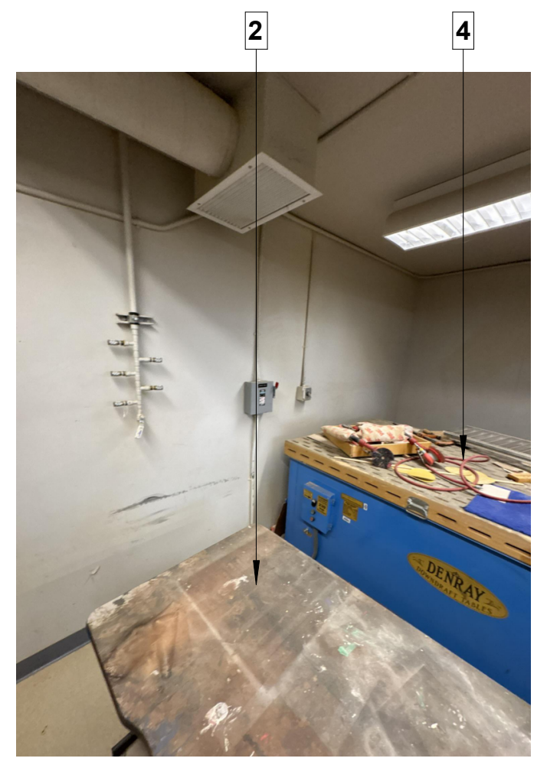
NOTES:

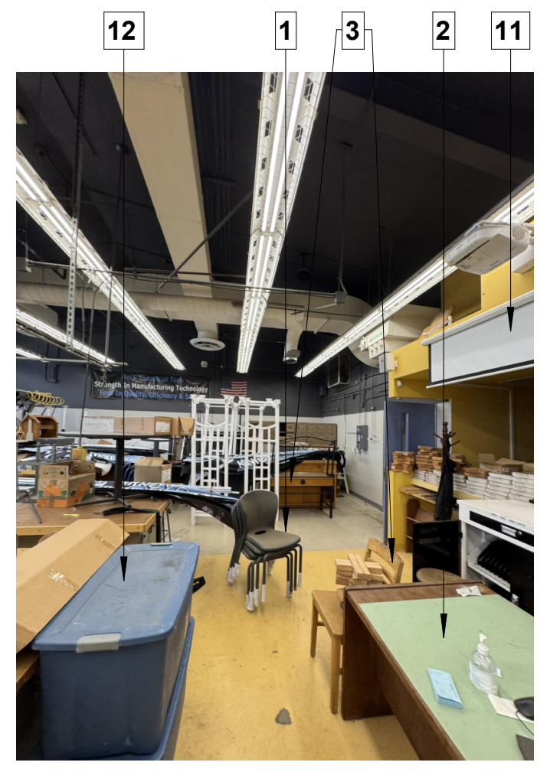
-GC TO RELOCATE ITEMS INTO STORAGE ROOM
-GC TO RELOCATE ITEMS TO EXTERIOR STORAGE CONTAINER

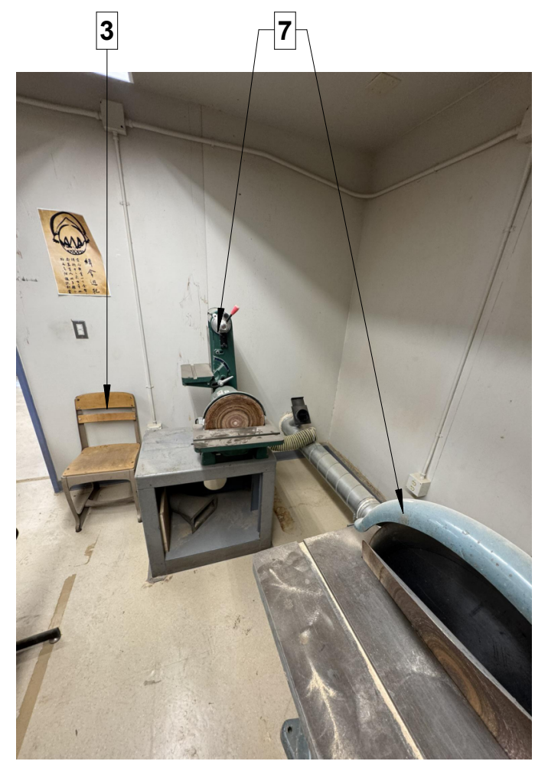
FLOOR FINISH SCHEDULE

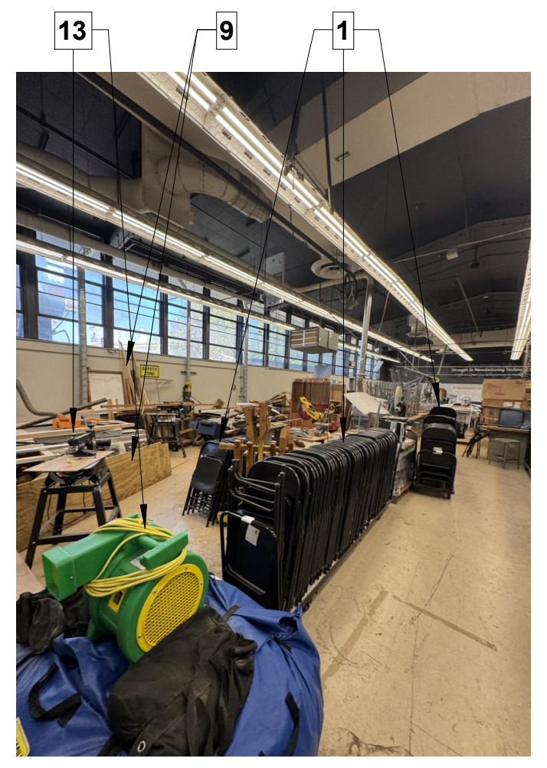
VINYL COMPOSITION TILE

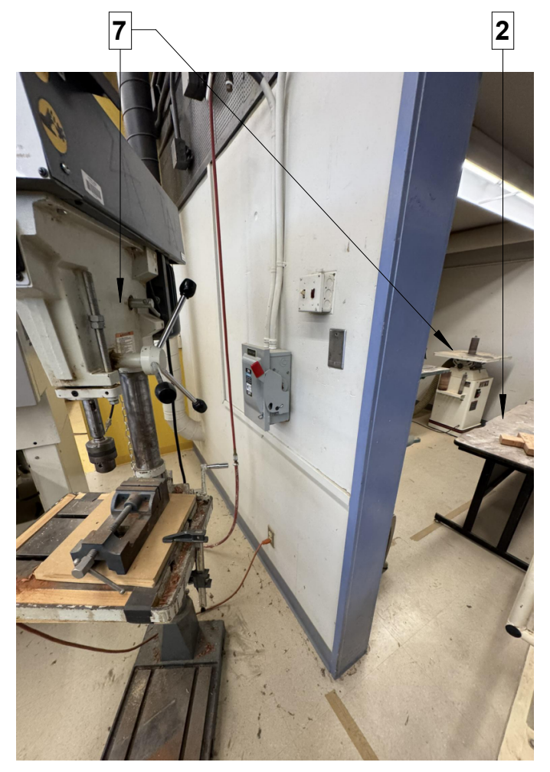
VCTI MANUFACTURER: UPO FLOOR
COLLECTION: QUARTZ TILE - TEMA
COLOR: 9101
INSTALLATION METHOD: TBD

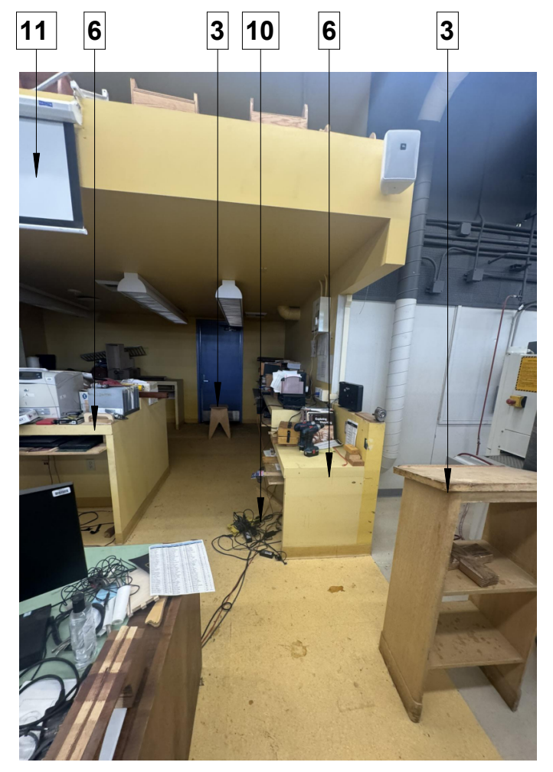


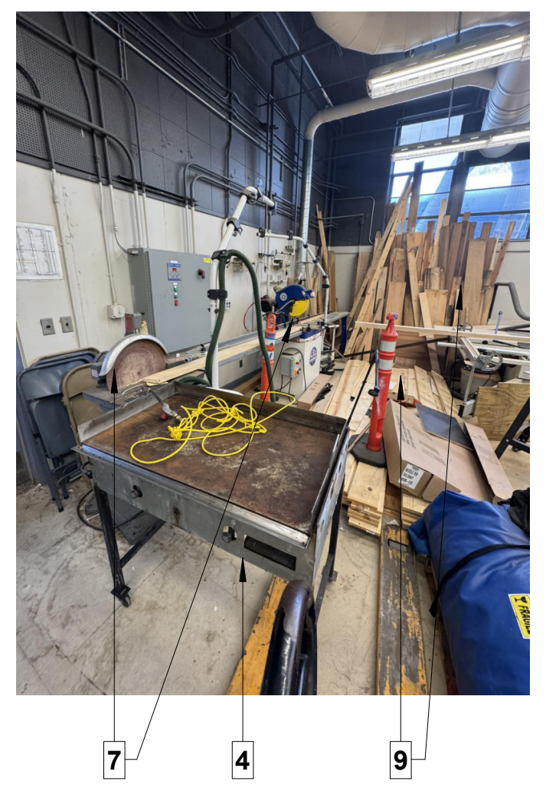


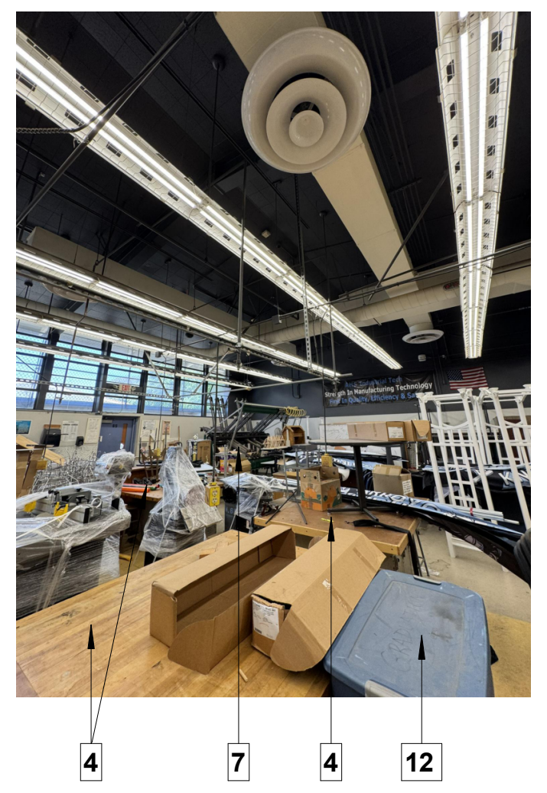


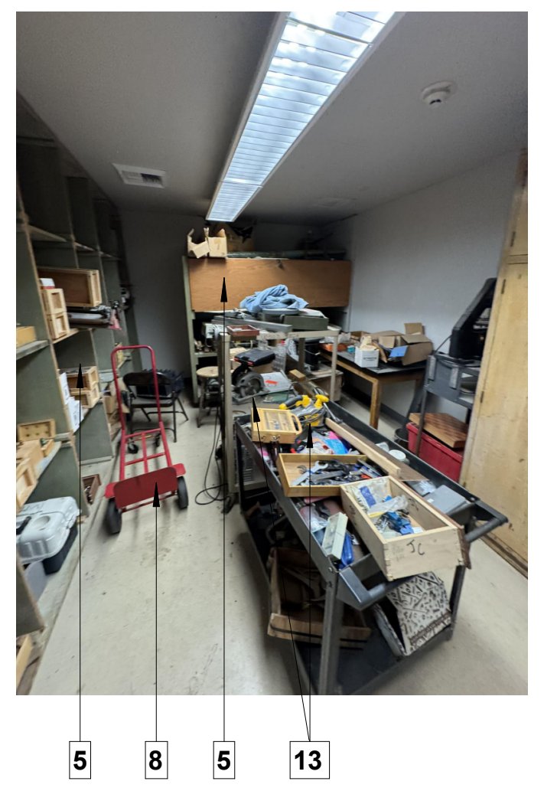


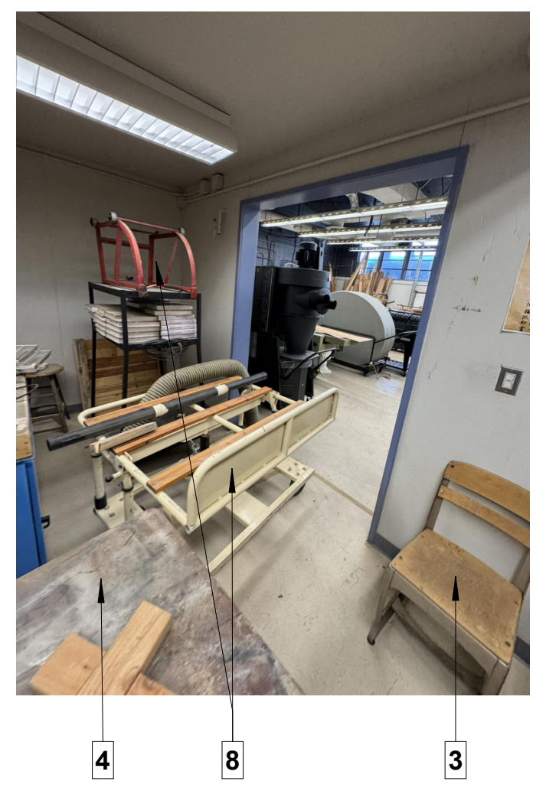


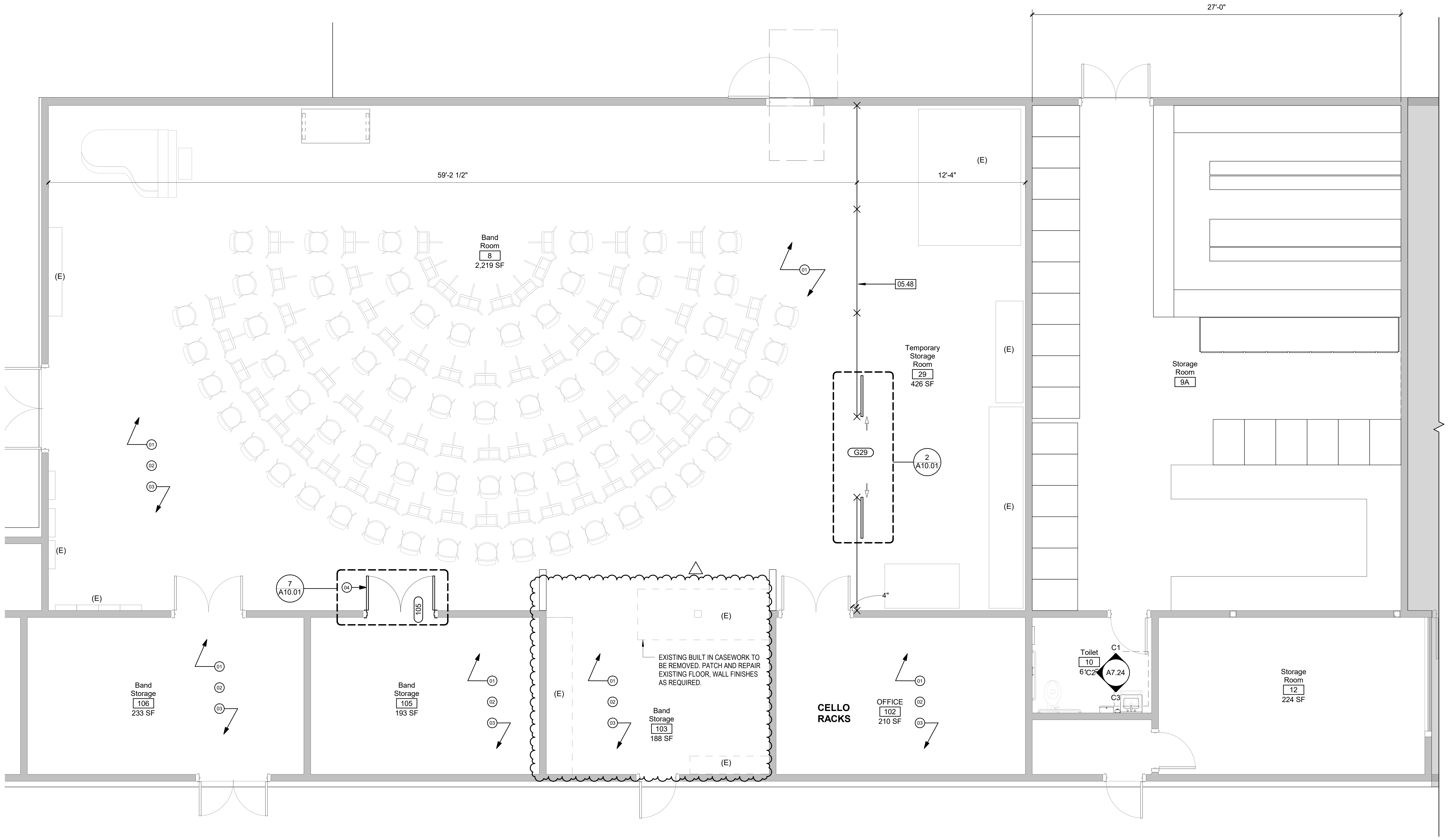












ENLARGED PLAN BUILDING G1 1
1/4" = 1'-0"

HMC DESIGN FOR GOOD Architects
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA
ELAINE
MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

05.48	CHAIN LINK FENCE

NOTES

LEGEND

▭	EXISTING ELEMENT TO REMAIN
	EXISTING DOOR TO REMAIN
▨	AREA NOT IN SCOPE OF WORK
—×—×—	CHAINLINK WITH GATE

1. VCT1 FLOORING. △
2. ALL PARTITIONS TO RECEIVE SCHEDULED FINISH. PAINT COLOR TBD.
3. PATCH AND REPAIR EXISTING CEILING FOR LIKE NEW FINISH.
4. NEW DOUBLE DOOR, LOCKABLE. REFER TO DOORS SCHEDULE

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

ENLARGED BUILDING G1

ADDENDUM

FILE NO.: 3361008101 A NO.: 03-126126

DATE: **2026.06.23** CLIENT PROJ NO: **3361-008-101**

SHEET:

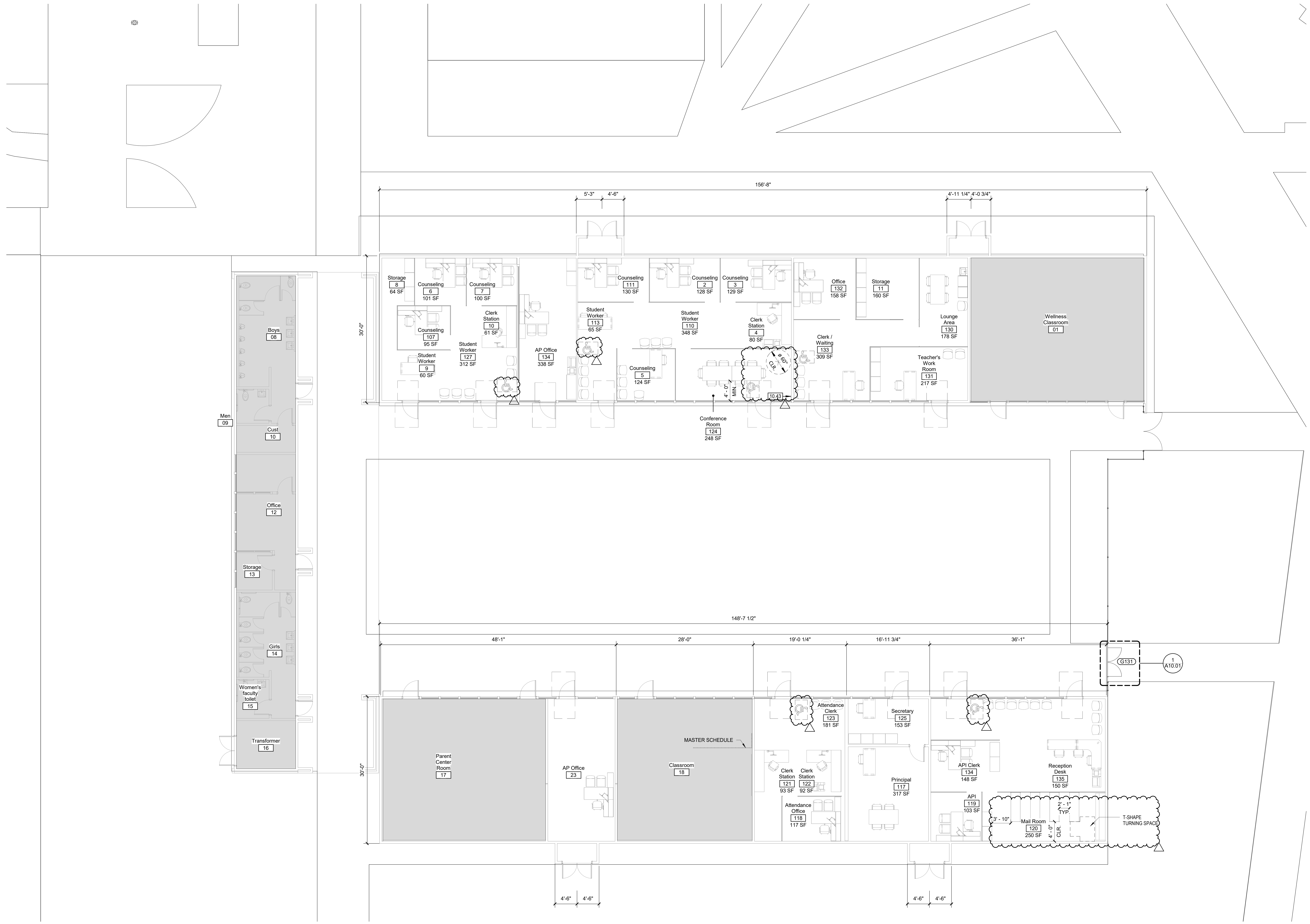
A7.21

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 4:28:38 PM

PLEASE RECYCLE ♲

PK-3

THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE



SCOPE OF WORK:

1. change of use from classroom to office. E occupancy use to B.
2. salvaging and relocating furniture from current office to here as interim space.
3. adding movable partitions

ENLARGED PLAN BUILDING B 1
1/8" = 1'-0"

HMC Architects
DESIGN FOR GOOD
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

VIRGINIA
ELAINE
MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

10.43 ASSISTIVE LISTENING SYSTEM SIGN - 19/A10.81

NOTES

LEGEND

▭	EXISTING ELEMENT TO REMAIN
▭ ▭	EXISTING DOOR TO REMAIN
▨	AREA NOT IN SCOPE OF WORK
—×—×—	CHAINLINK WITH GATE
▨	AREA NOT IN SCOPE OF WORK

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

ENLARGED BUILDING B

ADDENDUM

FILE NO.: **3361008101**
A NO.: **03-126126**
DATE: **2026.06.23**
CLIENT PROJ NO: **3361-008-101**
SHEET:

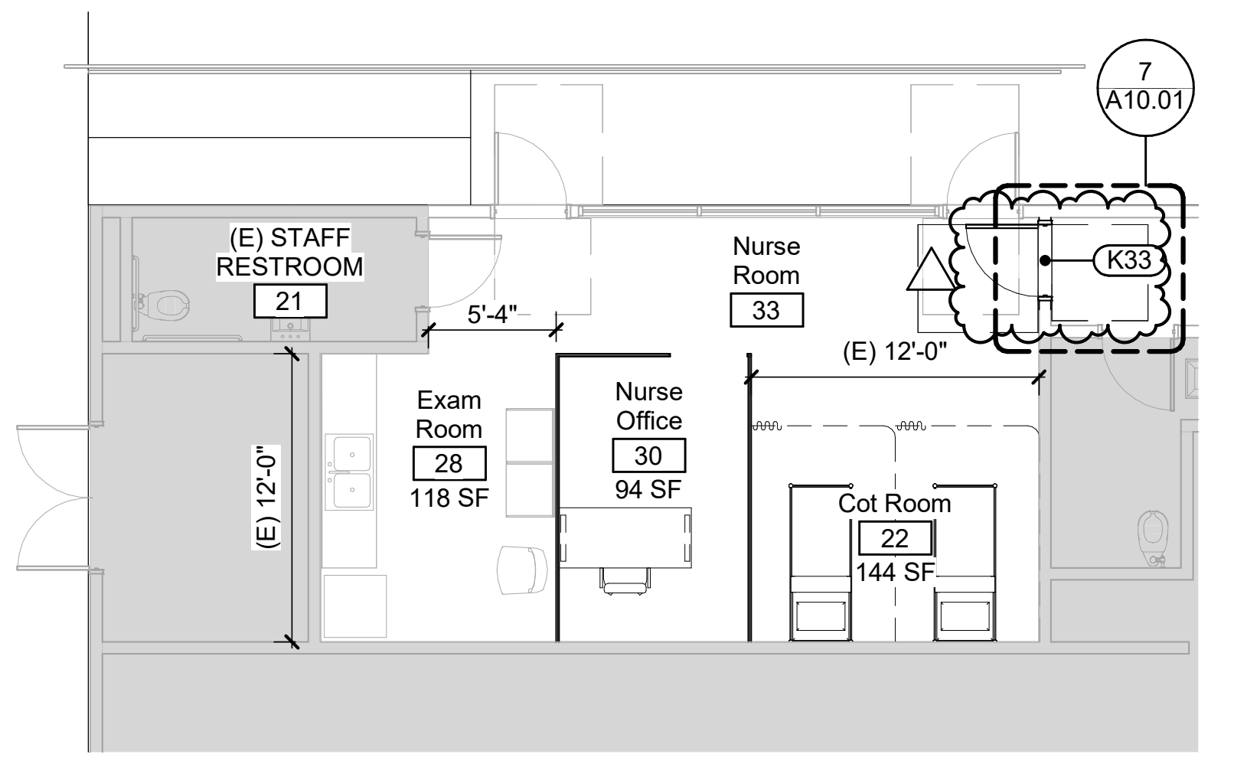
A7.22

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:25 PM

PLEASE RECYCLE ♲

PK-3

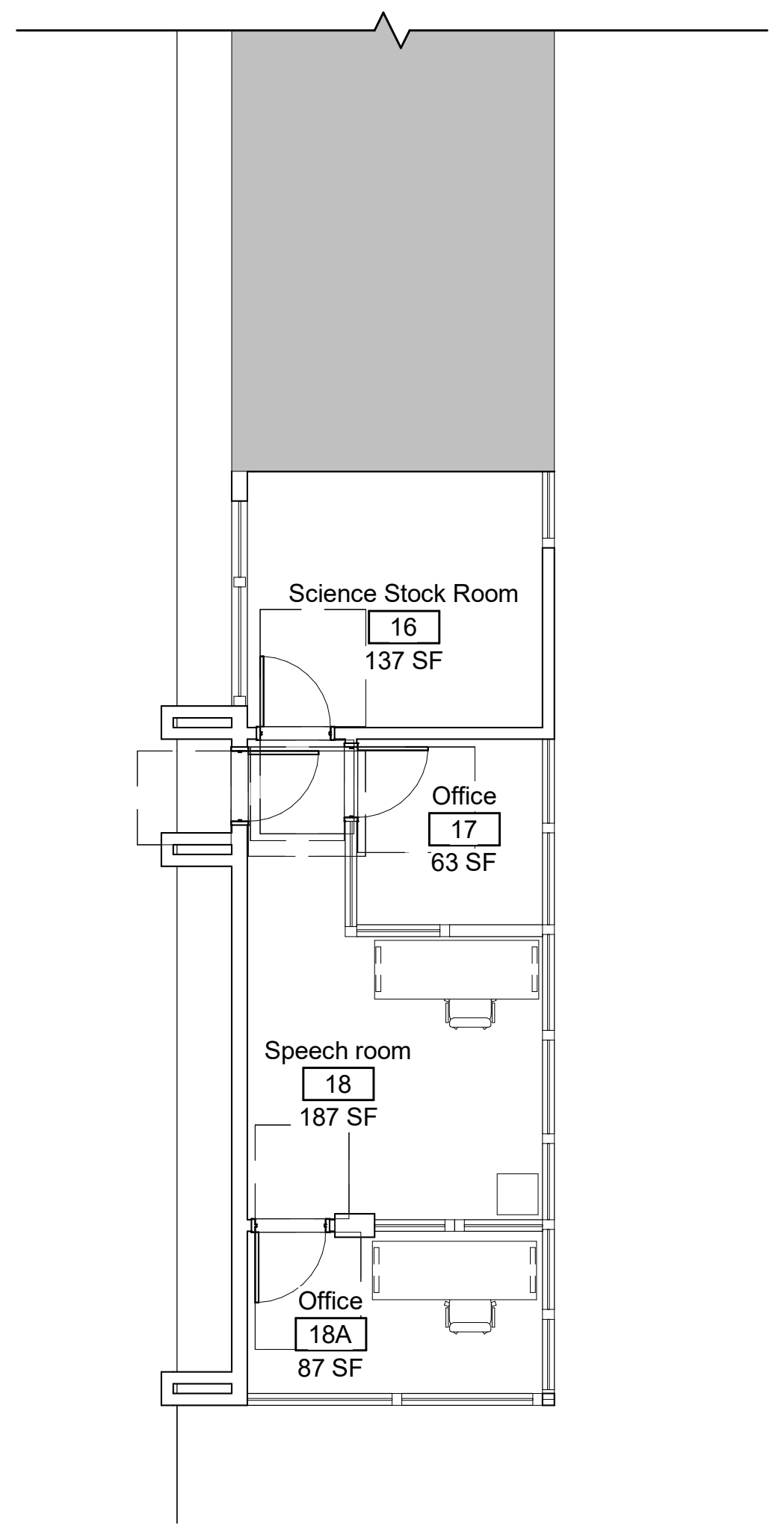
THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE



1. EXISTING RESTROOM TO REMAIN.
2. PANTRY AREA: PLUMBING, WATER LINE AND ELECTRICAL OUTLETS TO REMAIN. COORDINATE WITH MEP DRAWINGS.
3. PANTRY MILLWORK AND REFRIGERATOR TO REMAIN.
4. EXISTING FURNITURE TO BE RELOCATED. COORDINATE WITH SCHOOL.
5. NEW ROOMS WITHIN NURSE ROOM (EXAM RM., NURSE OFFICE, COT RM.) ARE TO HAVE MOVABLE PANELS.
6. EXISTING (2) DOORS FACING RAMP ARE TO REMAIN AND TO BE LOCKABLE DURING OFF HOURS.
7. DOOR #33 TO BE LOCKABLE DURING OFF HOURS.
8. INSTALL NEW BLINDS/PRIVACY FILM AT EXISTING WINDOWS. COORDINATE WITH SCHOOL

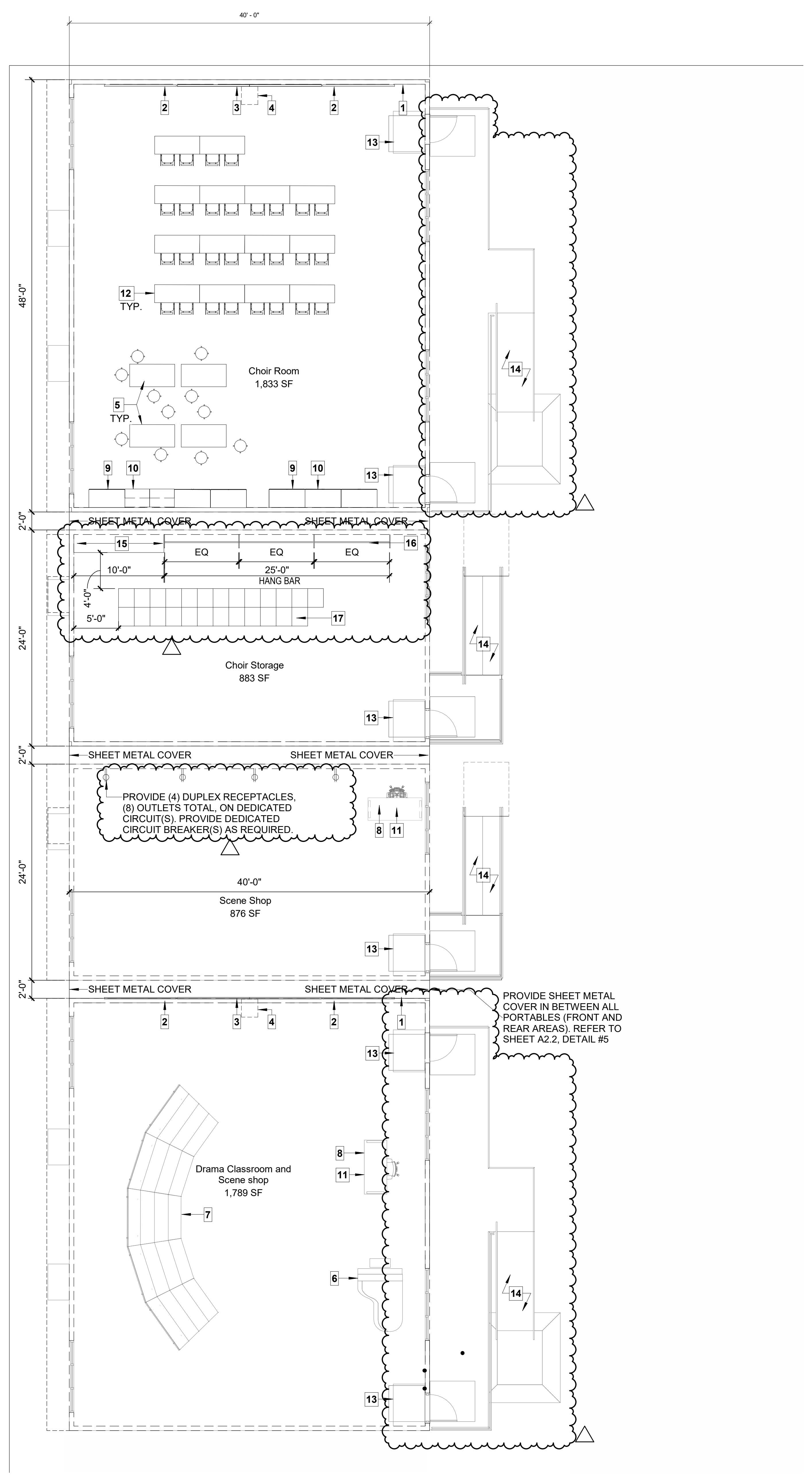
ENLARGED PLAN NURSE ROOM 3

1/8" = 1'-0"



ENLARGED PLAN SPEECH ROOM 2

1/8" = 1'-0"



1. TACKABLE SURFACE PER FINISH SCHEDULE.
2. 8'-0" MARKERBOARD. FOR ATTACHMENT TO (N) STUD WALL, SEE MANUFACTURERS' DETAILS.
3. MANUALLY OPERATED/SURFACE MOUNTED PROJECTION SCREEN. FOR ATTACHMENT, SEE MANUFACTURERS' DETAILS
4. SHORT THROW VIDEO PROJECTOR & VIDEO, DATA & POWER WALL MOUNTED. FOR ATTACHMENT, SEE MANUFACTURERS' DETAILS
5. STUDENTS DESK AND STOOL.
6. PIANO
7. CHORAL STAGE
8. TEACHER'S DESK AND CHAIR.
9. STORAGE CABINET/ TEACHER'S WARDROBE. PROVIDE BLOCKING. SEE MANUFACTURERS' DETAILS FOR ANCHORAGE.
10. MULTI-MEDIA AND TABLET STORAGE CABINET. SEE MANUFACTURERS' DETAILS FOR ANCHORAGE.
11. TEACHER'S COMPUTER.
12. STUDENTS DESK AND CHAIR
13. WALK OFF MAT.
14. (N) ACCESSIBLE RAMP PER PORTABLE PROVIDER. SEE PC DRAWINGS & CIVIL DRAWINGS.
15. PROVIDE 10' OF SHELVING STORAGE SPACE
16. PROVIDE 25 FT OF HANG BARS
17. RELOCATE EXISTING FILE CABINETS. (25) FILE CABINETS

ENLARGED PLAN PORTABLES 1

1/8" = 1'-0"

HMC Architects DESIGN FOR GOOD
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA
ELAINE
MARQUARDT
No. C-33423
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

1. REFER TO 'PROJECT MANUAL, DIVISION 32 31 19 DECORATIVE METAL FENCES AND GATES' FOR ORNAMENTAL AND CHAINLINK FENCE INFORMATION
2. SCENE SHOP IS TO HAVE FOUR ELECTRICAL POWER OUTLETS WITHIN THE SPACE. COORDINATE ELECTRICAL OUTLETS LOCATION WITH FURNITURE AND ELECTRICAL DRAWINGS.

LEGEND

▨	EXISTING BUILDING(S) & STUCTURE(S) NOT IN SCOPE
- - - -	NEW PORTABLE
───	EXISTING ELEMENT TO REMAIN

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

ENLARGED COURTS W/PORTABLES, SPEECH ROOM AND NURSE ROOM

ADDENDUM

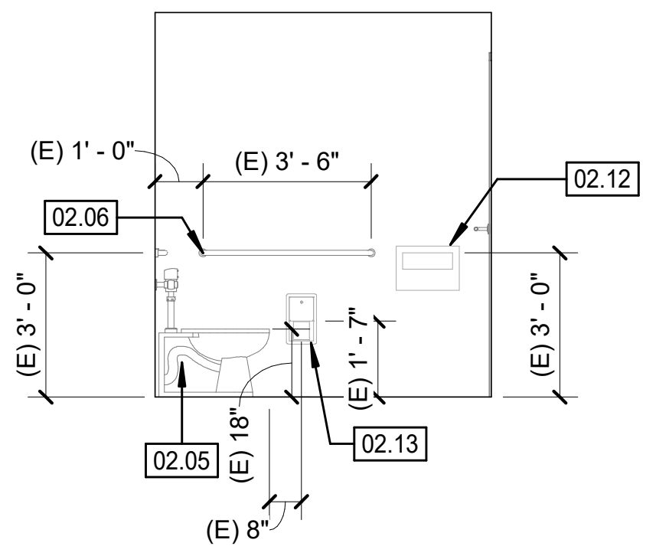
FILE NO.: **3361008101**
A NO.: **03-126126**
DATE: **2026.06.23**
CLIENT PROJ NO: **3361-008-101**
SHEET:

A7.23

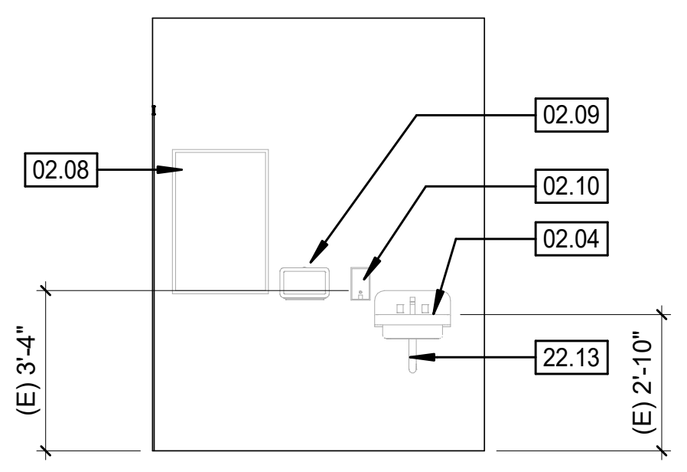
Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 4:00:03 PM

PLEASE RECYCLE ♻

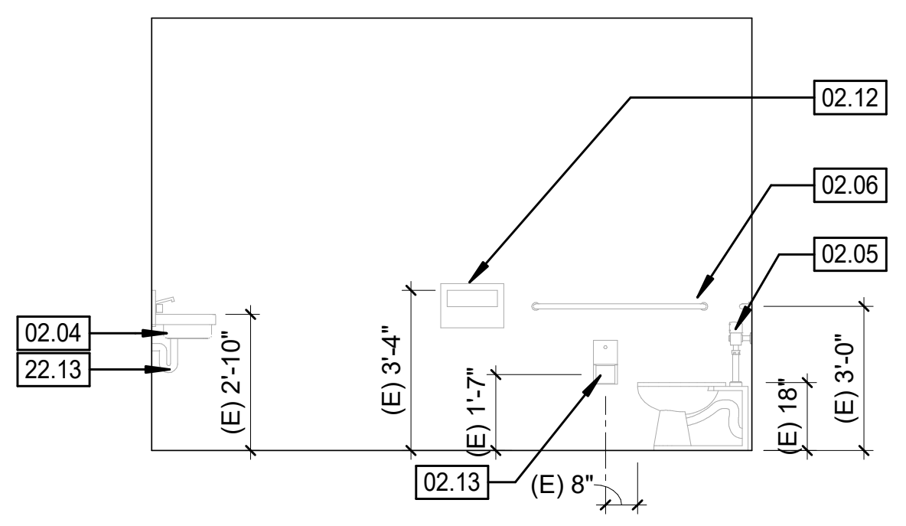
THE LINE SHOWN ABOVE IS
EXACTLY ONE INCH LONG AT THIS
SHEETS ORIGINAL PAGE SIZE



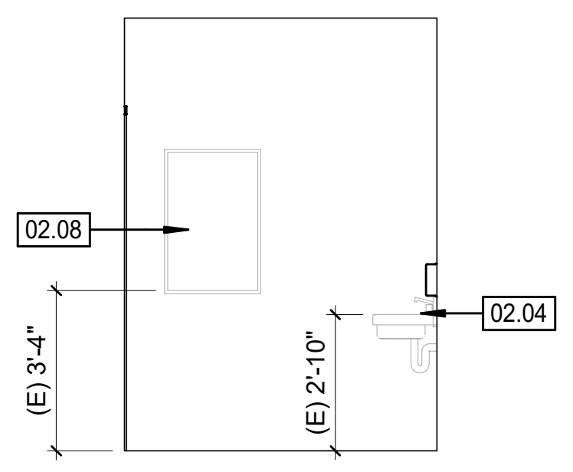
STAFF RESTROOM G02 INT. ELEVATION C2 **C2** 1/4" = 1'-0"



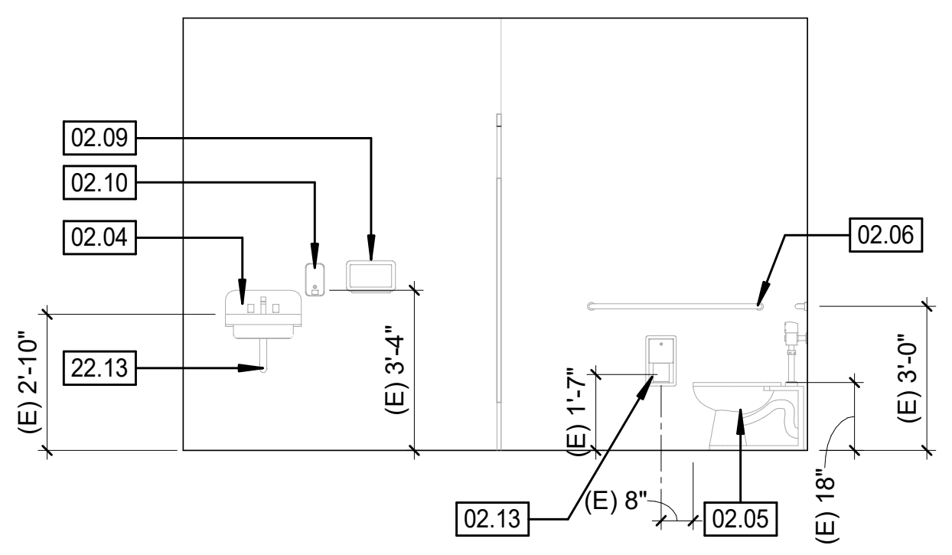
GIRLS RESTROOM G06 INT. ELEVATION B4 **B4** 1/4" = 1'-0"



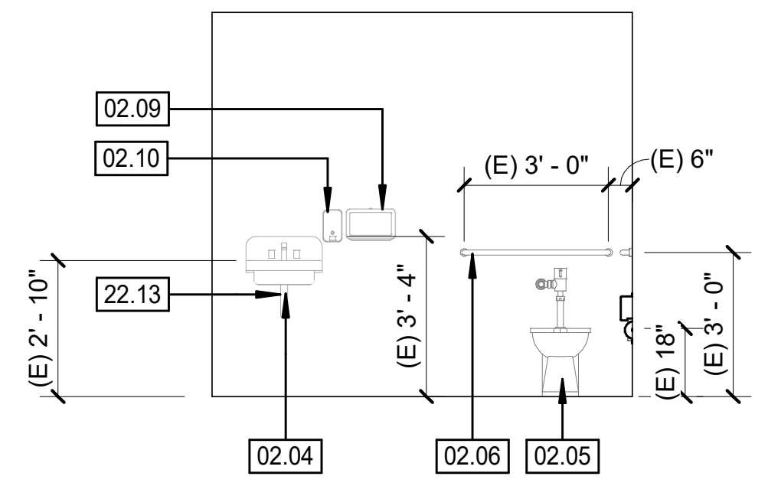
GIRLS RESTROOM G06 INT. ELEVATION B2 **B2** 1/4" = 1'-0"



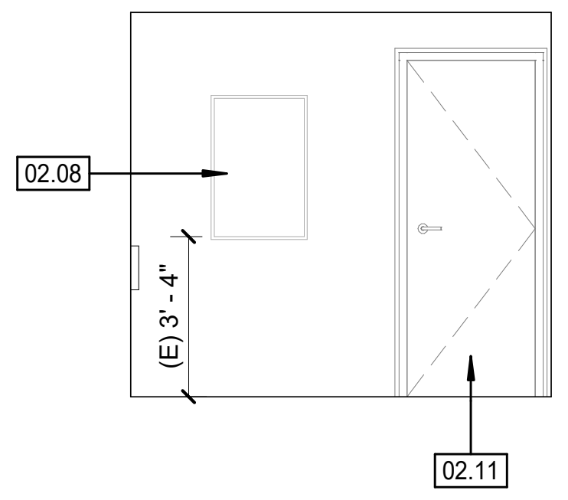
GIRLS RESTROOM G06 INT. ELEVATION A4 **A4** 1/4" = 1'-0"



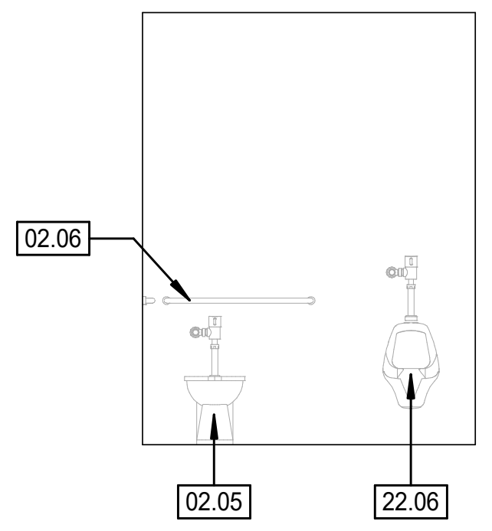
GIRLS RESTROOM G06 INT. ELEVATION A2 **A2** 1/4" = 1'-0"



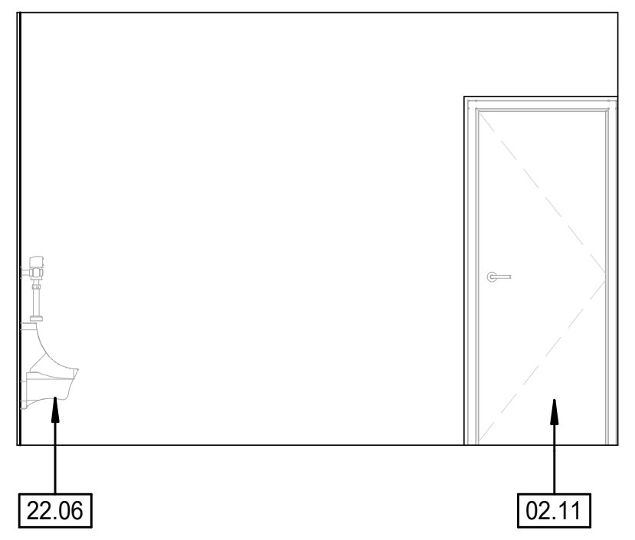
STAFF RESTROOM G02 INT. ELEVATION C3 **C3** 1/4" = 1'-0"



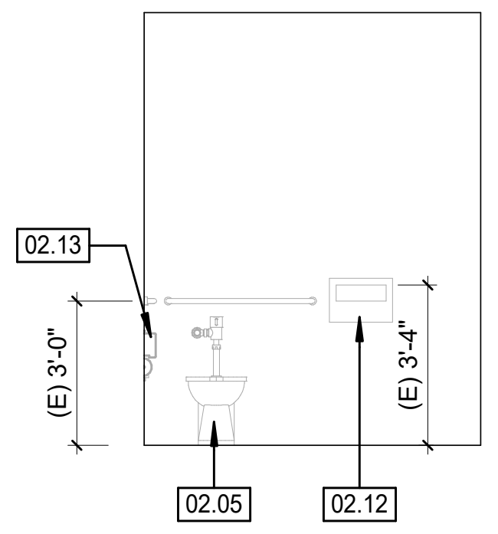
STAFF RESTROOM G02 INT. ELEVATION C1 **C1** 1/4" = 1'-0"



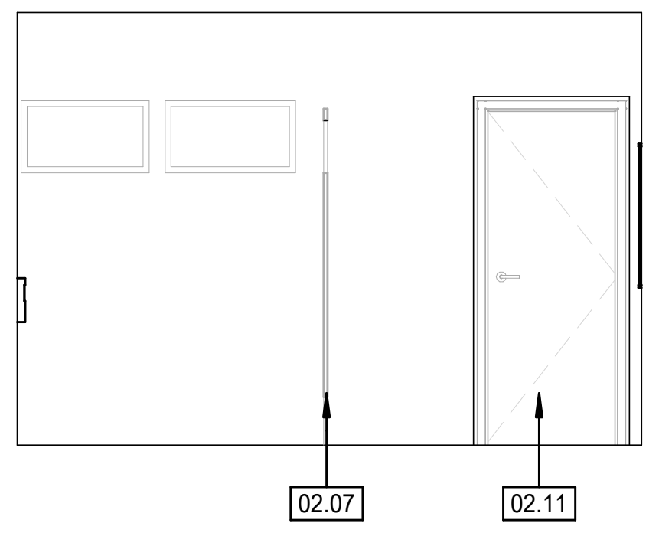
GIRLS RESTROOM G06 INT. ELEVATION B3 **B3** 1/4" = 1'-0"



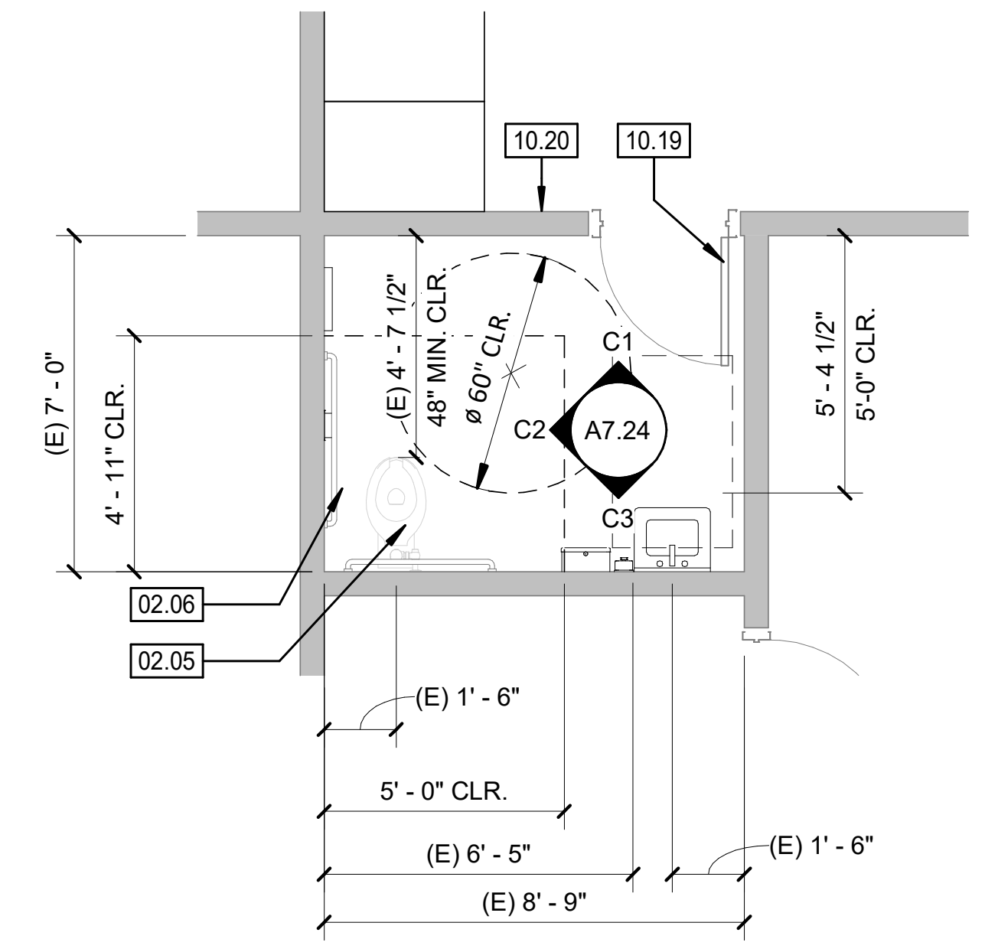
BOYS RESTROOM G06 INT. ELEVATION B1 **B1** 1/4" = 1'-0"



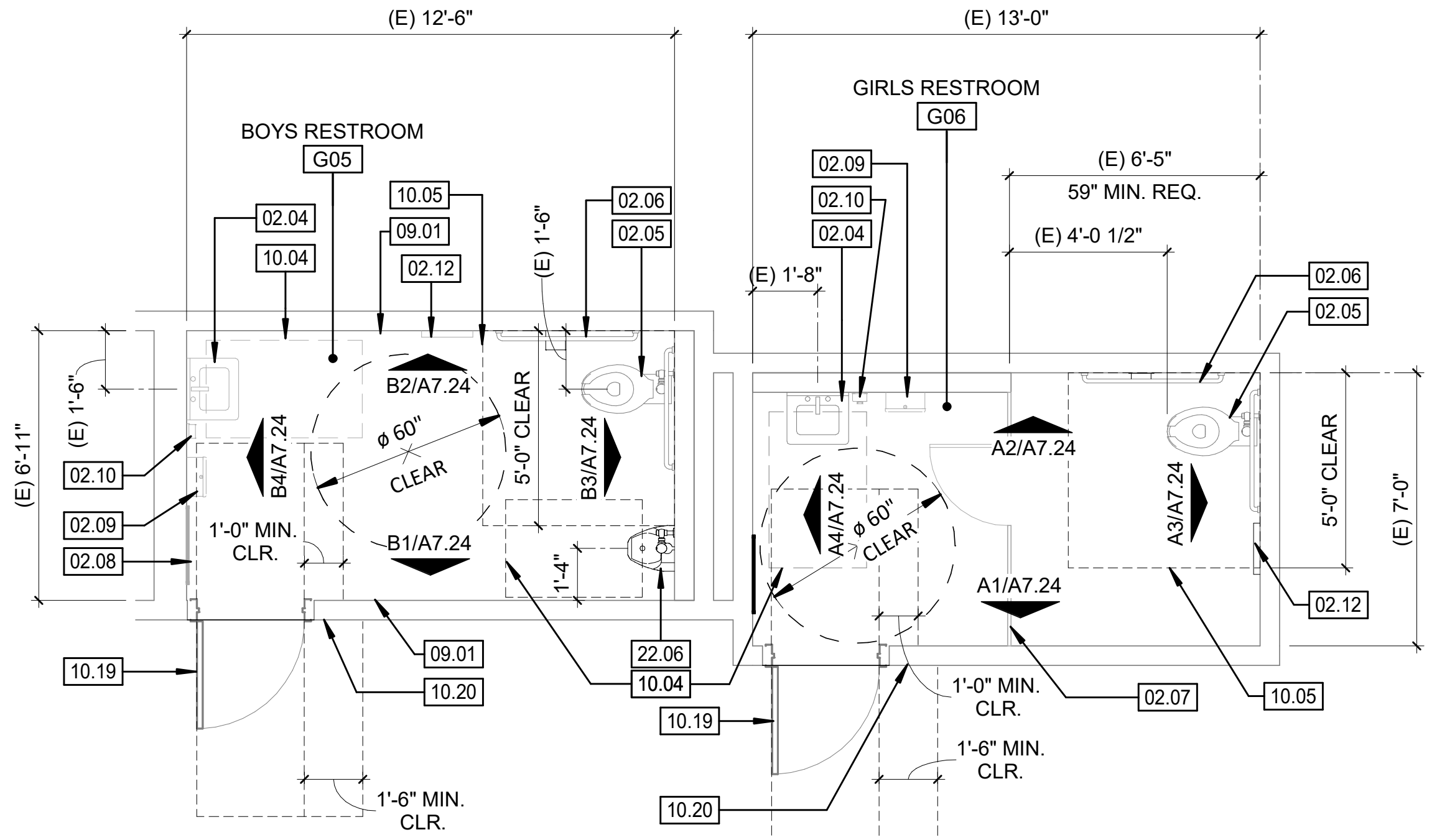
GIRLS RESTROOM G06 INT. ELEVATION A3 **A3** 1/4" = 1'-0"



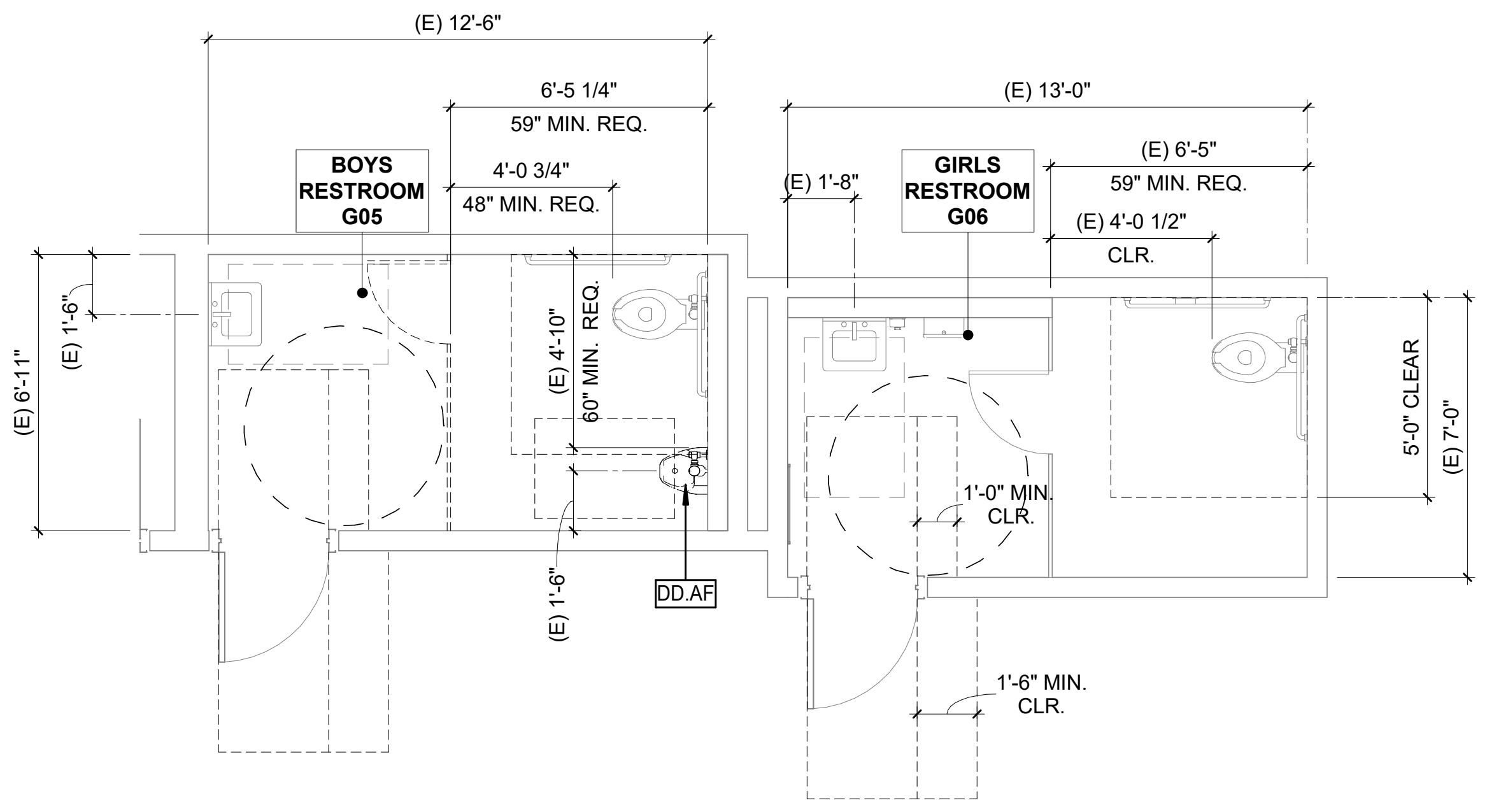
GIRLS RESTROOM G06 INT. ELEVATION A1 **A1** 1/4" = 1'-0"



UNIT G1 - STAFF RESTROOM (ROOM G02) **4** 1/4" = 1'-0"



PROPOSED UNIT G2 - BOYS AND GIRLS RESTROOMS **2** 1/4" = 1'-0"



EXISTING / DEMO UNIT G2 - BOYS AND GIRLS RESTROOMS **1** 1/4" = 1'-0"

HMC Architects DESIGN FOR GOOD
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA
ELAINE
MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

02.04	(E) LAVATORY
02.05	(E) WATER CLOSET
02.06	(E) GRAB BARS
02.07	(E) TOILET PARTITION
02.08	(E) MIRROR TO REMAIN
02.09	(E) PAPER TOWEL DISPENSER
02.10	(E) SOAP DISPENSER
02.11	(E) DOOR
02.12	(E) SEAT COVER DISPENSER
02.13	(E) TOILET PAPER DISPENSER
09.01	PATCH AND REPAIR EXISTING WALL FINISH AS REQUIRED TO MATCH EXISTING
10.04	30" X 48" CLEAR FLOOR SPACE
10.05	60" WIDE BY 59" DEEP WATER CLOSET FLOOR CLEAR SPACE
10.19	RESTROOM DOOR SIGN | SEE DETAILS 3, AND 8 ON A10.81
10.20	RESTROOM WALL SIGN | SEE DETAILS 3, AND 11 O | SEE DETAILS 3, AND 11 ON A10.81N A10.81
22.06	URINAL - 1/A10.71
22.13	PROVIDE UNDER-LAVATORY PIPE PROTECTION
DD.AF	REMOVE / RELOCATE EXISTING URINAL

NOTES

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

ENLARGED RESTROOM PLANS

ADDENDUM

FILE NO.: 3361008101 **A NO.: 03-126126**

DATE: **2026.06.23** CLIENT PROJ NO: **3361-008-101**

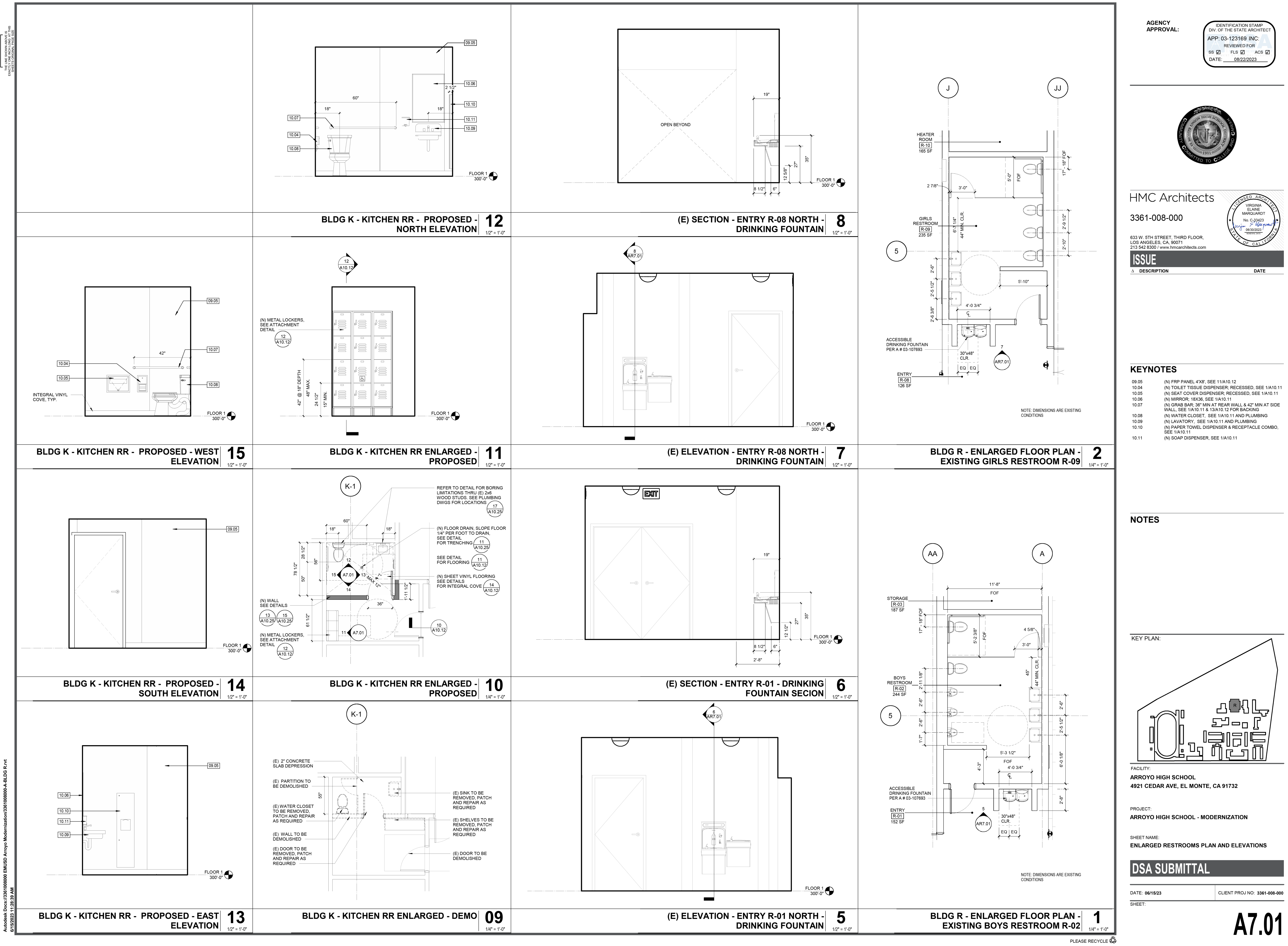
SHEET:

A7.24

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:32 PM

PLEASE RECYCLE

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:35 PM


BLDG K - KITCHEN RR - PROPOSED - NORTH ELEVATION 12 1/2" = 1'-0"
(E) SECTION - ENTRY R-08 NORTH - DRINKING FOUNTAIN 8 1/2" = 1'-0"
BLDG K - KITCHEN RR - PROPOSED - WEST ELEVATION 15 1/2" = 1'-0"
BLDG K - KITCHEN RR ENLARGED - PROPOSED 11 1/2" = 1'-0"
(E) ELEVATION - ENTRY R-08 NORTH - DRINKING FOUNTAIN 7 1/2" = 1'-0"
BLDG R - ENLARGED FLOOR PLAN - EXISTING GIRLS RESTROOM R-09 2 1/4" = 1'-0"
BLDG K - KITCHEN RR - PROPOSED - SOUTH ELEVATION 14 1/2" = 1'-0"
BLDG K - KITCHEN RR ENLARGED - PROPOSED 10 1/4" = 1'-0"
(E) SECTION - ENTRY R-01 - DRINKING FOUNTAIN SECION 6 1/2" = 1'-0"
BLDG K - KITCHEN RR - PROPOSED - EAST ELEVATION 13 1/2" = 1'-0"
BLDG K - KITCHEN RR ENLARGED - DEMO 09 1/4" = 1'-0"
(E) ELEVATION - ENTRY R-01 NORTH - DRINKING FOUNTAIN 5 1/2" = 1'-0"
BLDG R - ENLARGED FLOOR PLAN - EXISTING BOYS RESTROOM R-02 1 1/4" = 1'-0"
FLOOR 1 300'-0"
OPEN BEYOND
INTEGRAL VINYL COVE, TYP.
(N) METAL LOCKERS, SEE ATTACHMENT DETAIL
HEATER ROOM R-10 165 SF
GIRLS RESTROOM R-09 235 SF
ACCESSIBLE DRINKING FOUNTAIN PER A # 03-107693
ENTRY R-08 126 SF
STORAGE R-03 187 SF
BOYS RESTROOM R-02 244 SF
ENTRY R-01 152 SF
NOTE: DIMENSIONS ARE EXISTING CONDITIONS
REFER TO DETAIL FOR BORING LIMITATIONS THRU (E) 2x6 WOOD STUDS. SEE PLUMBING DWGS FOR LOCATIONS
(N) FLOOR DRAIN, SLOPE FLOOR 1/4" PER FOOT TO DRAIN. SEE DETAIL FOR TRENCHING
SEE DETAIL FOR FLOORING
(N) SHEET VINYL FLOORING SEE DETAILS FOR INTEGRAL COVE
(N) WALL SEE DETAILS
(E) 2" CONCRETE SLAB DEPRESSION
(E) PARTITION TO BE DEMOLISHED
(E) WATER CLOSET TO BE REMOVED, PATCH AND REPAIR AS REQUIRED
(E) WALL TO BE DEMOLISHED
(E) DOOR TO BE REMOVED, PATCH AND REPAIR AS REQUIRED
(E) SINK TO BE REMOVED, PATCH AND REPAIR AS REQUIRED
(E) SHELVES TO BE REMOVED, PATCH AND REPAIR AS REQUIRED
(E) DOOR TO BE DEMOLISHED
EXIT
KEY PLAN:
R
PLEASE RECYCLE

AGENCY APPROVAL:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123169 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 08/22/2023

HMC Architects
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

VIRGINIA ELAINE MARQUARDT
No. C-33423
06/30/2023
RENEWAL DATE

ISSUE

Δ	DESCRIPTION	DATE

KEYNOTES

09.05	(N) FRP PANEL 4'X8', SEE 11/A10.12
10.04	(N) TOILET TISSUE DISPENSER; RECESSED, SEE 1/A10.11
10.05	(N) SEAT COVER DISPENSER; RECESSED, SEE 1/A10.11
10.06	(N) MIRROR; 18X36, SEE 1/A10.11
10.07	(N) GRAB BAR; 36" MIN AT REAR WALL & 42" MIN AT SIDE WALL, SEE 1/A10.11 & 13/A10.12 FOR BACKING
10.08	(N) WATER CLOSET, SEE 1/A10.11 AND PLUMBING
10.09	(N) LAVATORY, SEE 1/A10.11 AND PLUMBING
10.10	(N) PAPER TOWEL DISPENSER & RECEPTACLE COMBO, SEE 1/A10.11
10.11	(N) SOAP DISPENSER, SEE 1/A10.11

NOTES

FACILITY:
ARROYO HIGH SCHOOL
4921 CEDAR AVE, EL MONTE, CA 91732

PROJECT:
ARROYO HIGH SCHOOL - MODERNIZATION

SHEET NAME:
ENLARGED RESTROOMS PLAN AND ELEVATIONS

DSA SUBMITTAL

DATE: 06/15/23 CLIENT PROJ NO: 3361-008-000

SHEET:
A7.01

EXISTING APPROVED BOY'S AND GIRLS RESTROOM
PER A# 03-123169
FOR REFERENCE ONLY

BUILDING R - EXISTING ENLARGED BOY'S AND GIRL'S RESTROOM 1
12" = 1'-0"

HMC DESIGN FOR GOOD Architects
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

VIRGINIA ELAINE MARQUARDT
No. C-33423
06/30/2025
RENEWAL DATE

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:
EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:
ENLARGED RESTROOM PLANS

ADDENDUM

FILE NO.: 3361008101 **A NO.: 03-126126**

DATE: **2026.06.23** CLIENT PROJ NO: **3361-008-101**

SHEET:
A7.25

PLEASE RECYCLE

PK-3

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:36 PM

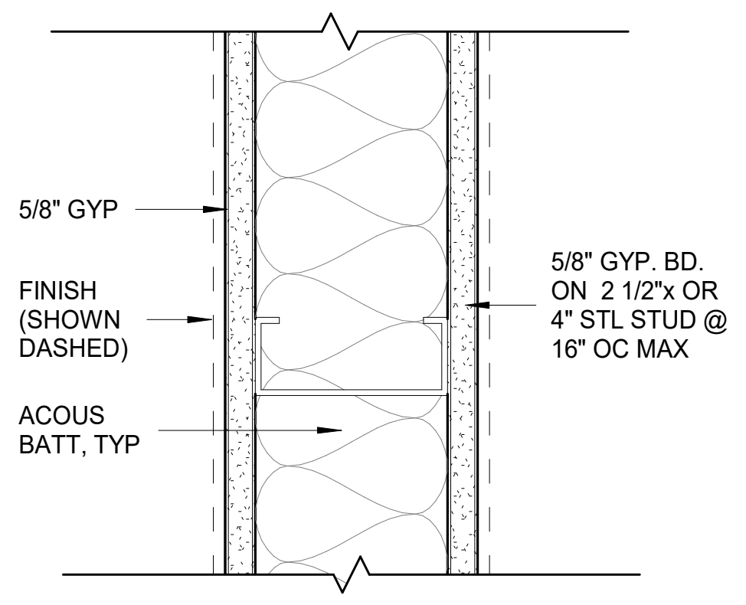
DOOR SCHEDULE

	SIZE								
	WIDTH								
NUMBER	PANEL 1	PANEL 2	HEIGHT	DOOR MATERIAL	FIRE RATING (MINUTES)	HARDWARE GROUP	PANIC HARDWARE	CARD READER	COMMENTS
K33	0"	0"	0"	HM		1.2	No	YES	NEW DOOR TO MATCH WITH EXISTING ADJACENT IN TYPE, KIND AND FINISH. PROVIDE LOCK.
G131	3'-0"	3'-0"	8'-0"	DECORATIVE METAL GATE			Yes	YES	ACCESSIBLE GATE AND HARDWARE WITH HYDRAULIC CLOSER AND KICK PLATE
G29	3'-0"	3'-0"	6'-0"	SLIDING GALV. CHAINLINK			No	NO	SERVICE GATE WITH FORK LATCH AND CANE BOLT/ CHAIN LINK GATE TO MATCH (E) FENCE MATERIAL AND FINISH
105	0"	0"	0"	TO MATCH WITH EXISTING ADJACENT		1.1.5	No	YES	NEW DOOR TO MATCH WITH EXISTING ADJACENT IN TYPE, KIND AND FINISH. PROVIDE LOCK.

-ALL NEW GATES AND FENCES ARE TO MATCH IN TYPE AND KIND WITH EXISTING WITHIN THE SCHOOL CAMPUS. G.C. SHALL FIELD VERIFY AND PROMPT ARCHITECT WHEN DISCREPANCIES ARE IDENTIFIED.

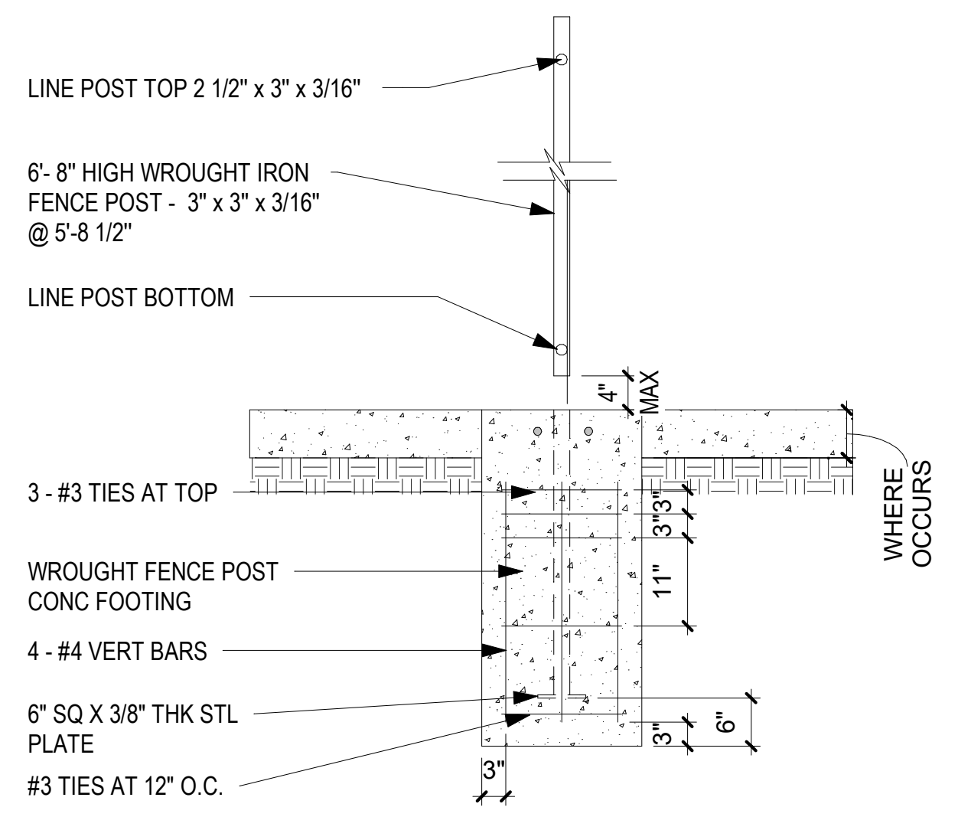
-REFER TO PROJECT MANUAL, DIVISION 32 'DECORATIVE METAL FENCES AND GATES' FOR FURTHER INFORMATION

-NEW #105 DOUBLE DOOR IS TO MATCH WITH EXISTING ADJACENT STORAGE DOORS. VIF EXISTING OPENING AND FRAME CONDITIONS AND REINFORCE HEADER AS REQUIRED TO RECEIVE NEW LEAVES.



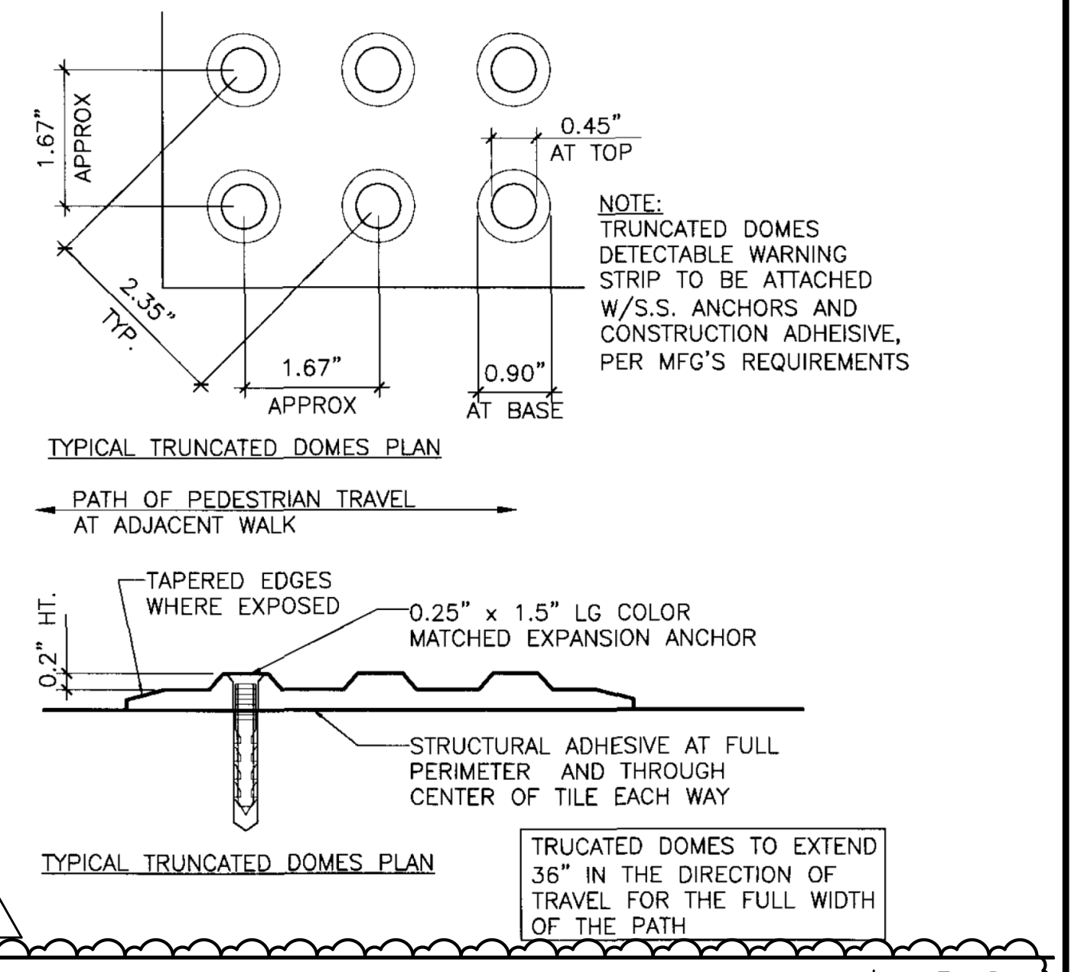
DETAIL - PARTITION 12

3" = 1'-0"


LINE POST TOP 2 1/2" x 3" x 3/16"
6'- 8" HIGH WROUGHT IRON FENCE POST - 3" x 3" x 3/16" @ 5'-8 1/2"
LINE POST BOTTOM
4" MAX
3 - #3 TIES AT TOP
WROUGHT FENCE POST CONC FOOTING
4 - #4 VERT BARS
6" SQ X 3/8" THK STL PLATE
#3 TIES AT 12" O.C.
3"
3"
3"
11"
3"
6"
WHERE OCCURS

DECORATIVE METAL FENCE FOOTING DETAIL 11

1/2" = 1'-0"


1.67" APPROX
2.35" TYP.
1.67" APPROX
0.45" AT TOP
0.90" AT BASE
PATH OF PEDESTRIAN TRAVEL AT ADJACENT WALK
TAPERED EDGES WHERE EXPOSED
0.2" HT.
0.25" x 1.5" LG COLOR MATCHED EXPANSION ANCHOR
STRUCTURAL ADHESIVE AT FULL PERIMETER AND THROUGH CENTER OF TILE EACH WAY

TYPICAL TRUNCATED DOMES PLAN

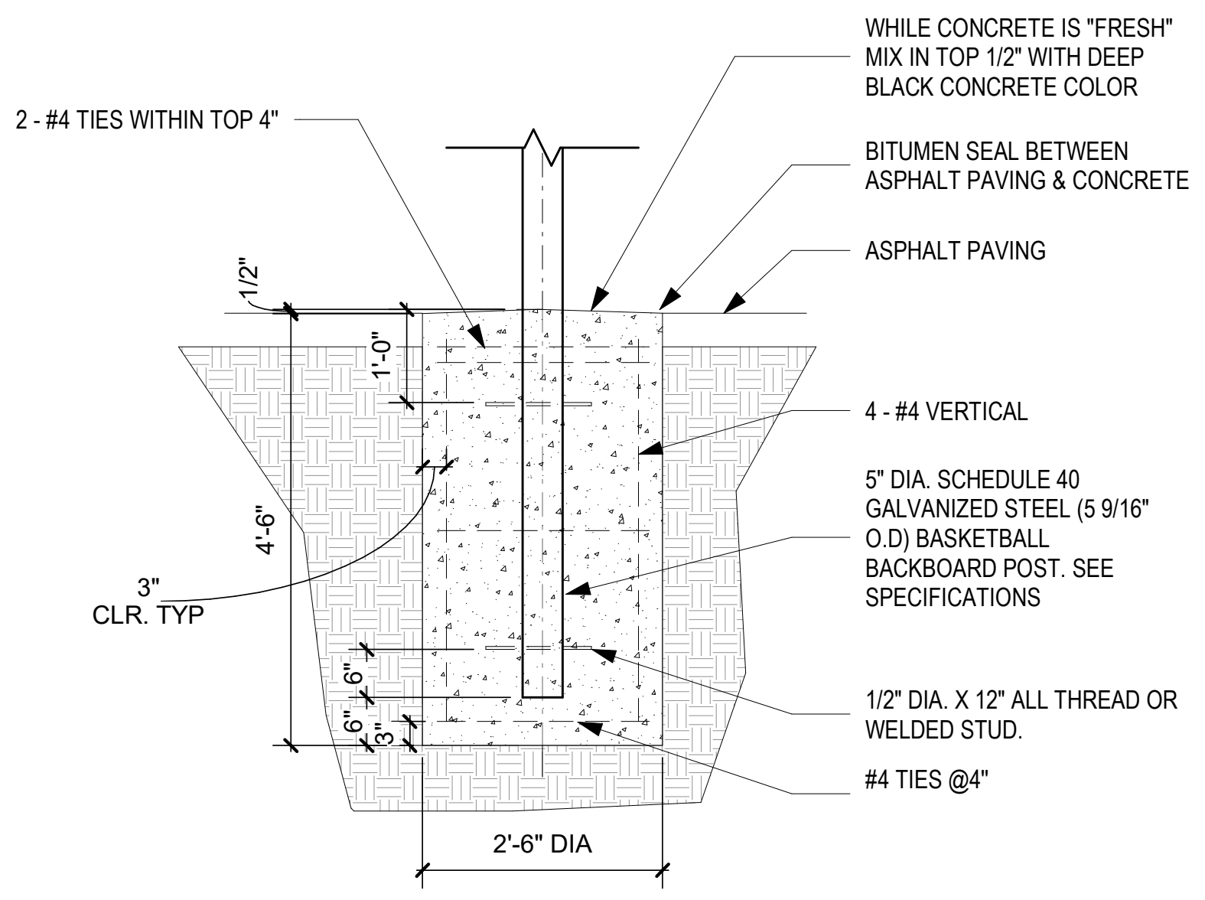
NOTE:
TRUNCATED DOMES DETECTABLE WARNING STRIP TO BE ATTACHED W/S.S. ANCHORS AND CONSTRUCTION ADHEISIVE, PER MFG'S REQUIREMENTS

TYPICAL TRUNCATED DOMES PLAN

TRUCATED DOMES TO EXTEND 36" IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE PATH

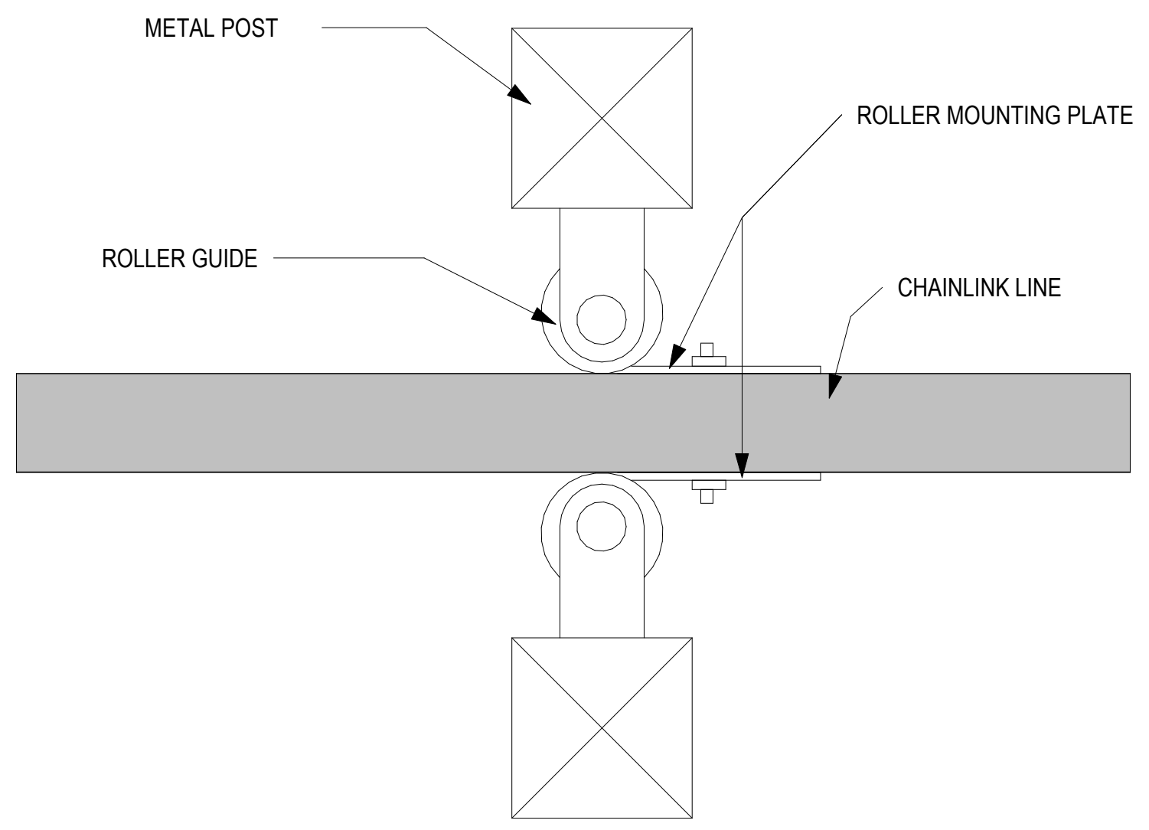
TRUNCATED DOMES PER A# 03-108334 10

1/2" = 1'-0"


2 - #4 TIES WITHIN TOP 4"
WHILE CONCRETE IS "FRESH" MIX IN TOP 1/2" WITH DEEP BLACK CONCRETE COLOR
BITUMEN SEAL BETWEEN ASPHALT PAVING & CONCRETE
ASPHALT PAVING
4 - #4 VERTICAL
5" DIA. SCHEDULE 40 GALVANIZED STEEL (5 9/16" O.D) BASKETBALL BACKBOARD POST. SEE SPECIFICATIONS
1/2" DIA. X 12" ALL THREAD OR WELDED STUD.
#4 TIES @4"
1/2"
1'-0"
4'-6"
3" CLR. TYP
6"
6"
3"
2'-6" DIA

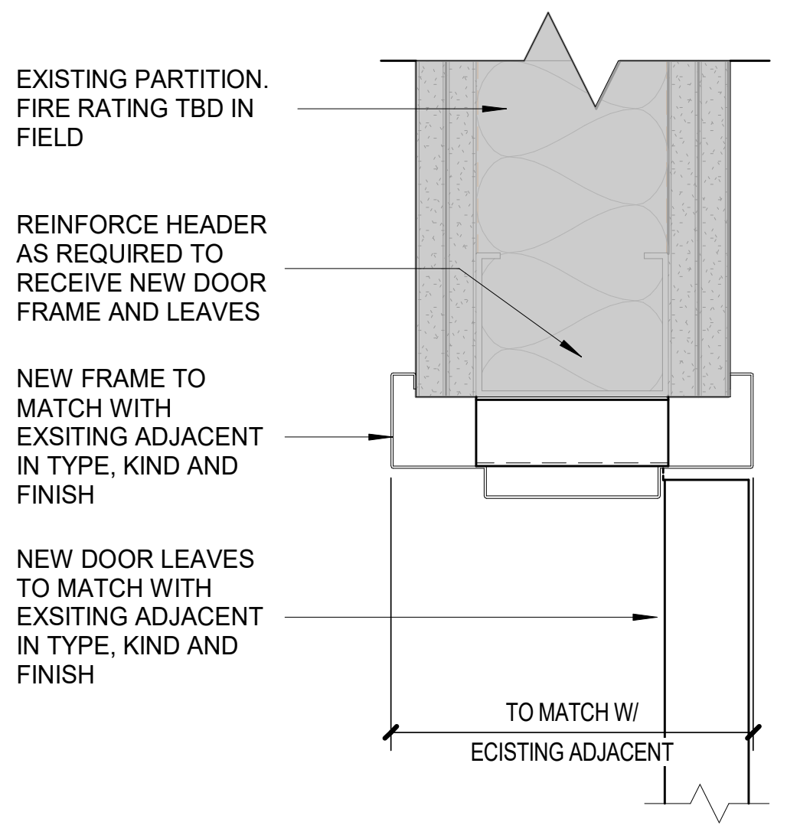
BASKETBALL POST 9

1/2" = 1'-0"



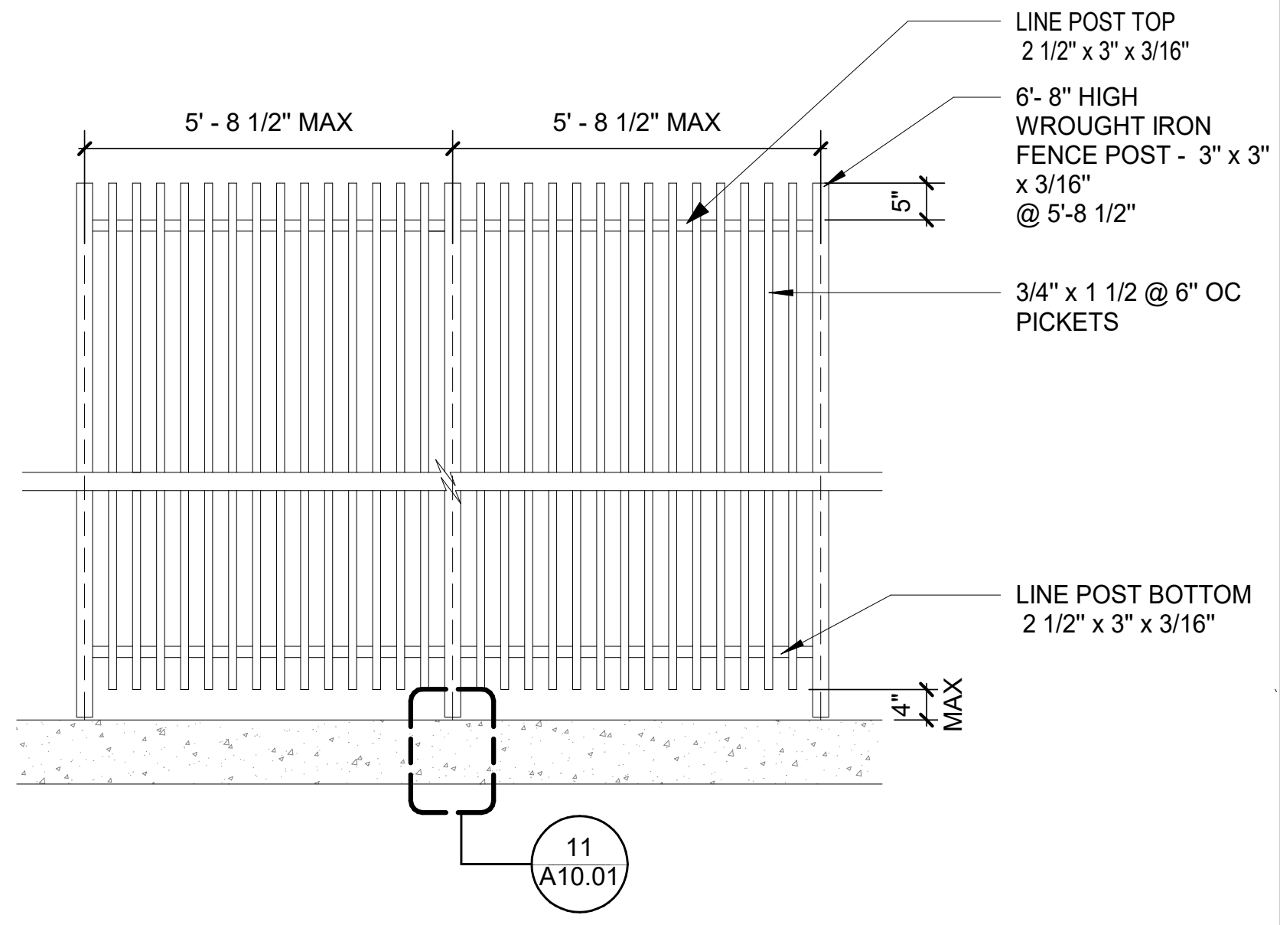
CHAIN LINK DOUBLE DOOR ROLLING DETAIL 8

3" = 1'-0"


EXISTING PARTITION. FIRE RATING TBD IN FIELD
REINFORCE HEADER AS REQUIRED TO RECEIVE NEW DOOR FRAME AND LEAVES
NEW FRAME TO MATCH WITH EXSITING ADJACENT IN TYPE, KIND AND FINISH
NEW DOOR LEAVES TO MATCH WITH EXSITING ADJACENT IN TYPE, KIND AND FINISH
TO MATCH W/ ECISTING ADJACENT

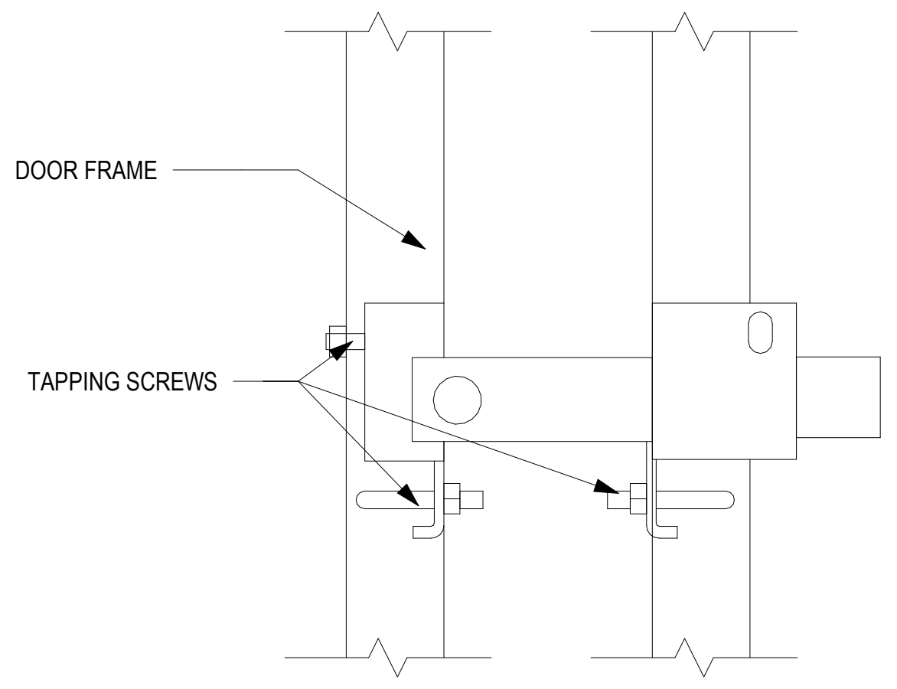
INTERIOR DOOR - HEADER 7

3" = 1'-0"


LINE POST TOP 2 1/2" x 3" x 3/16"
6'- 8" HIGH WROUGHT IRON FENCE POST - 3" x 3" x 3/16" @ 5'-8 1/2"
5' - 8 1/2" MAX
5' - 8 1/2" MAX
5"
3/4" x 1 1/2 @ 6" OC PICKETS
LINE POST BOTTOM 2 1/2" x 3" x 3/16"
4" MAX
11
A10.01

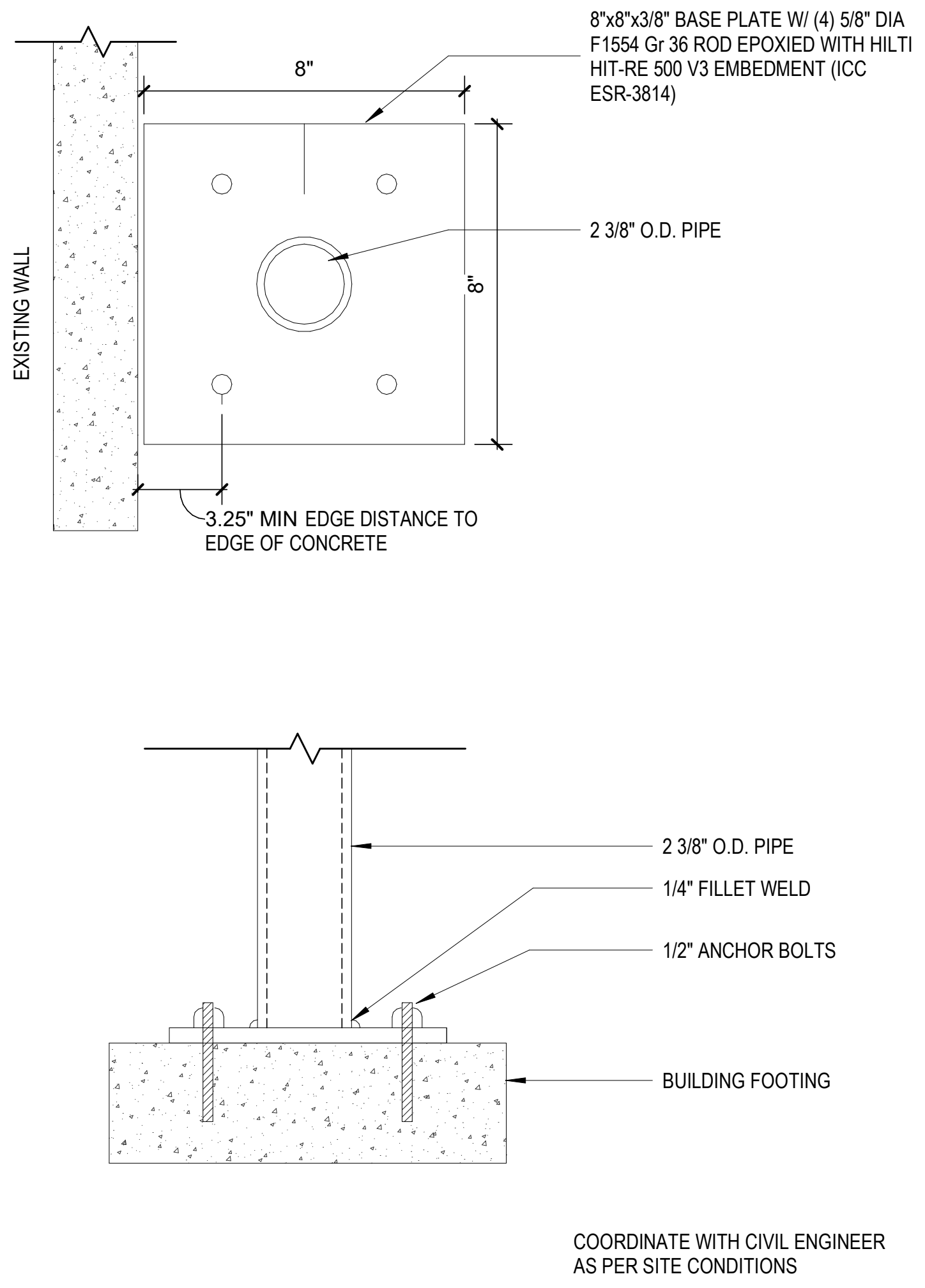
DECORATIVE METAL FENCE ELEVATION 6

1/2" = 1'-0"



CHAINLINK GATE LATCH 5

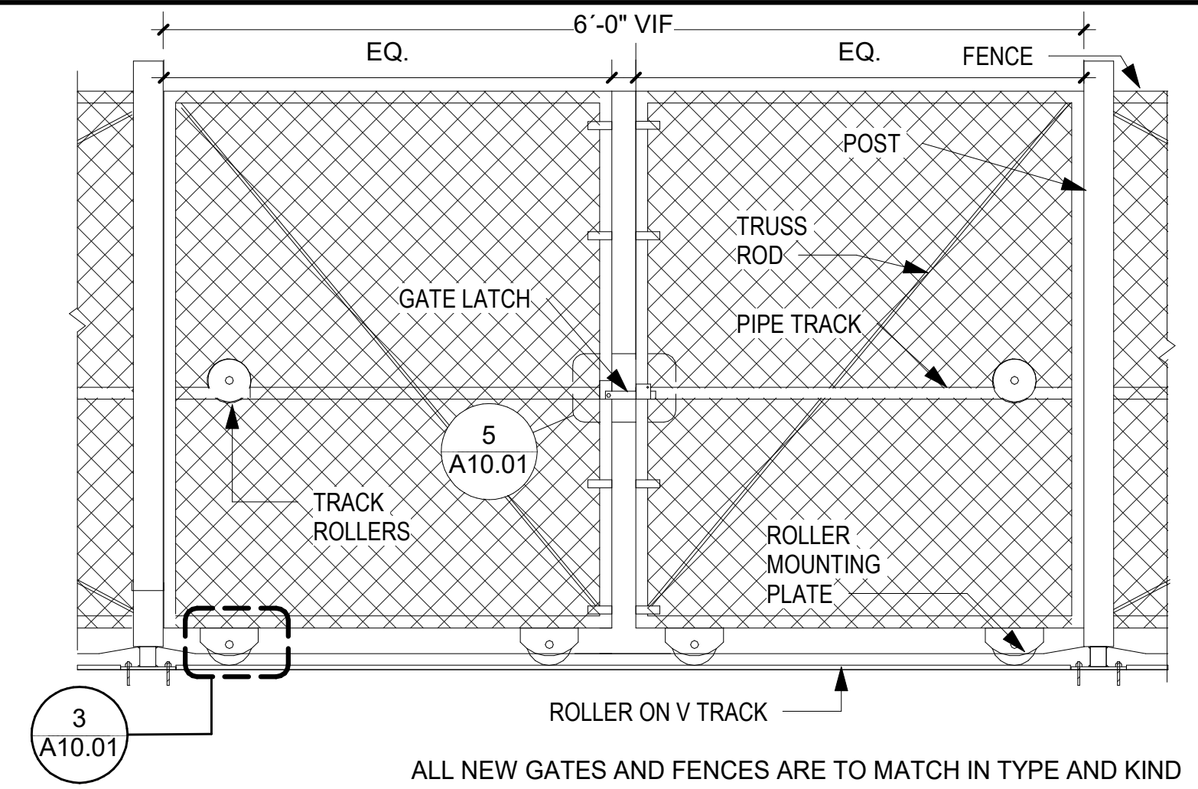
3" = 1'-0"


8"
8"
EXISTING WALL
8"x8"x3/8" BASE PLATE W/ (4) 5/8" DIA F1554 Gr 36 ROD EPOXIED WITH HILTI HIT-RE 500 V3 EMBEDMENT (ICC ESR-3814)
2 3/8" O.D. PIPE
3.25" MIN EDGE DISTANCE TO EDGE OF CONCRETE
2 3/8" O.D. PIPE
1/4" FILLET WELD
1/2" ANCHOR BOLTS
BUILDING FOOTING

COORDINATE WITH CIVIL ENGINEER AS PER SITE CONDITIONS

DOUBLE C.L GATE PLATE DETAIL 3

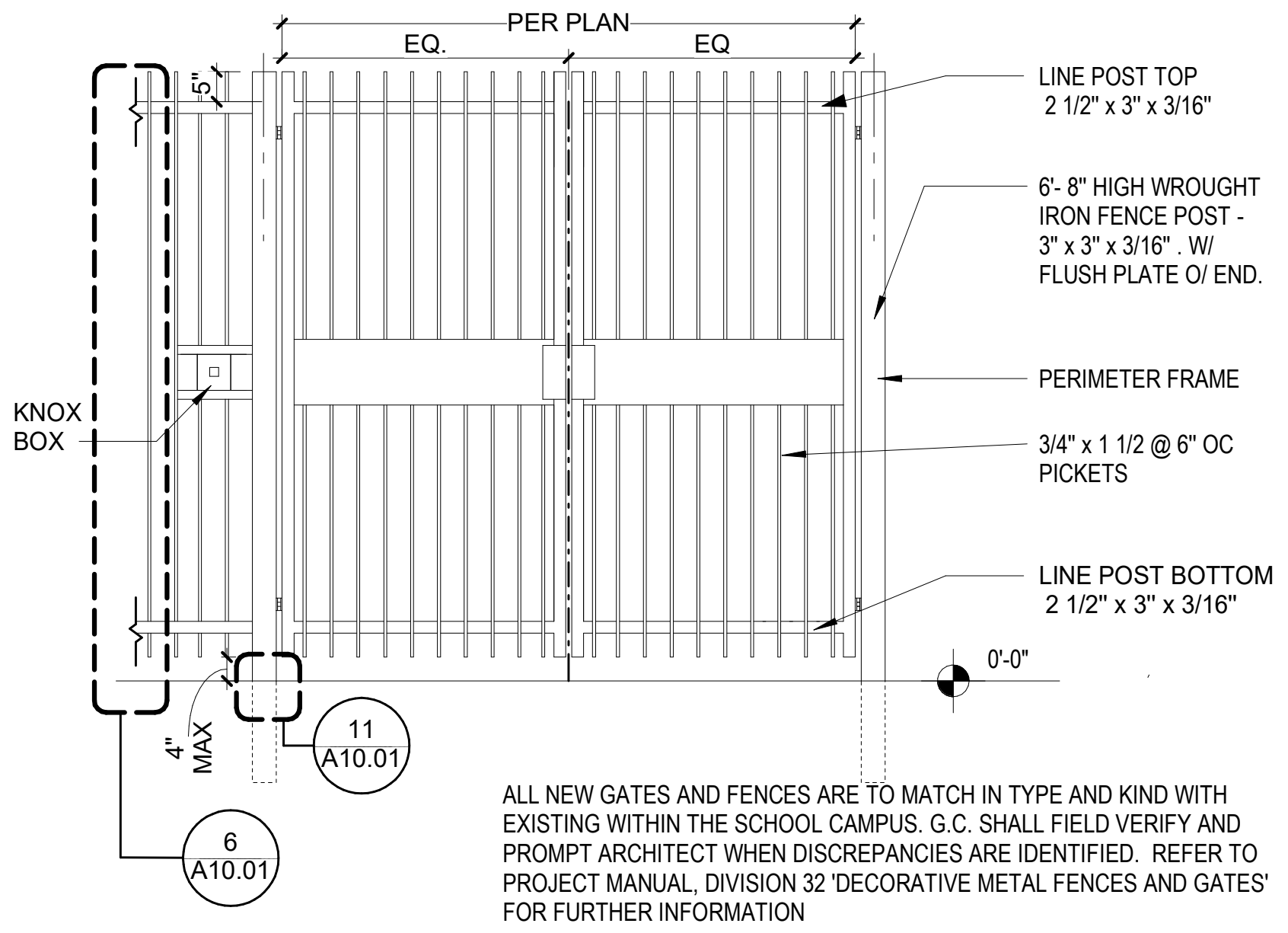
3" = 1'-0"



ALL NEW GATES AND FENCES ARE TO MATCH IN TYPE AND KIND WITH EXISTING WITHIN THE SCHOOL CAMPUS. G.C. SHALL FIELD VERIFY AND PROMPT ARCHITECT WHEN DISCREPANCIES ARE IDENTIFIED. REFER TO PROJECT MANUAL, DIVISION 32 'DECORATIVE METAL FENCES AND GATES' FOR FURTHER INFORMATION

6´ DOUBLE C.L INDOOR GATE 2

1/2" = 1'-0"


PER PLAN
EQ.
EQ
5"
LINE POST TOP 2 1/2" x 3" x 3/16"
6'- 8" HIGH WROUGHT IRON FENCE POST - 3" x 3" x 3/16" . W/ FLUSH PLATE O/ END.
PERIMETER FRAME
3/4" x 1 1/2 @ 6" OC PICKETS
KNOX BOX
LINE POST BOTTOM 2 1/2" x 3" x 3/16"
0'-0"
4" MAX
11
A10.01
6
A10.01

ALL NEW GATES AND FENCES ARE TO MATCH IN TYPE AND KIND WITH EXISTING WITHIN THE SCHOOL CAMPUS. G.C. SHALL FIELD VERIFY AND PROMPT ARCHITECT WHEN DISCREPANCIES ARE IDENTIFIED. REFER TO PROJECT MANUAL, DIVISION 32 'DECORATIVE METAL FENCES AND GATES' FOR FURTHER INFORMATION

DECORATIVE METAL SECURITY GATE 1

3/8" = 1'-0"

PLEASE RECYCLE ♲

HMC Architects DESIGN FOR GOOD
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

1. ALL NEW GATES AND FENCES ARE TO MATCH IN TYPE AND KIND WITH EXISTING WITHIN THE SCHOOL CAMPUS. G.C. SHALL FIELD VERIFY AND PROMPT ARCHITECT WHEN DISCREPANCIES ARE IDENTIFIED. REFER TO PROJECT MANUAL, DIVISION 32 'DECORATIVE METAL FENCES AND GATES' FOR FURTHER INFORMATION

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

MISCELLANEOUS DETAILS

ADDENDUM

FILE NO.: 3361008101 **A NO.: 03-126126**

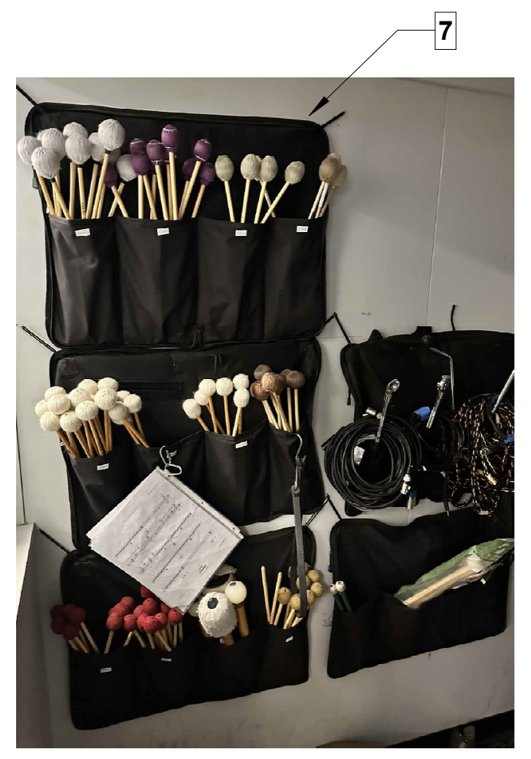
DATE: **2026.06.23** CLIENT PROJ NO: **3361-008-101**

SHEET:

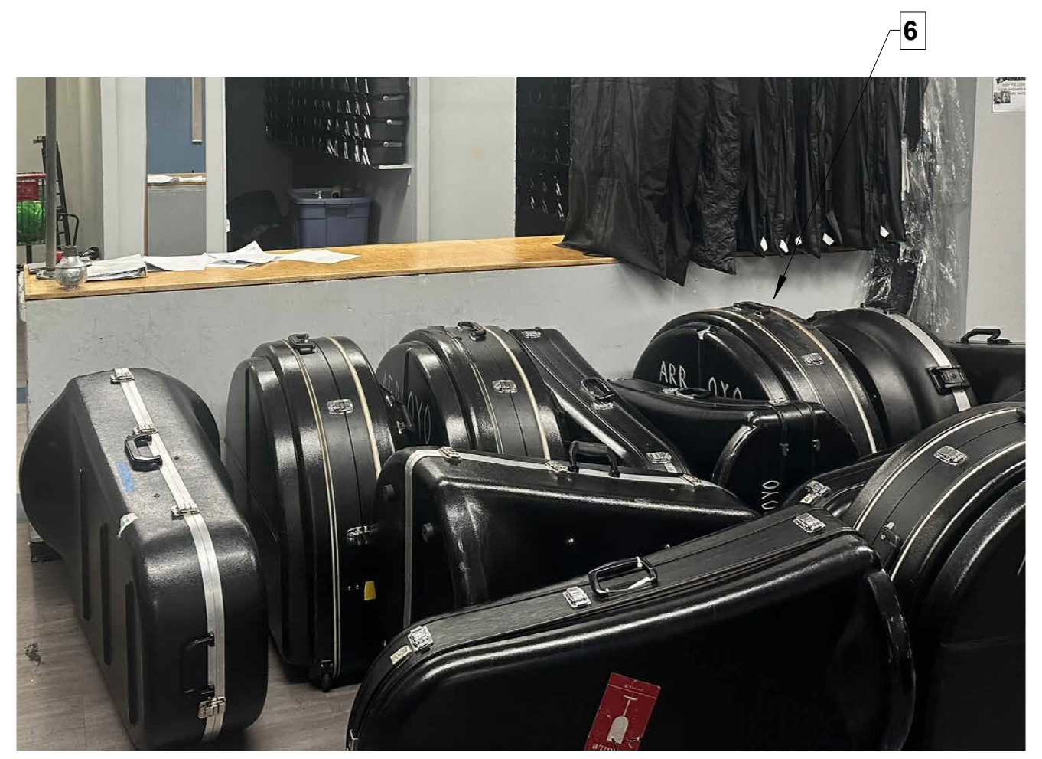
A10.01

PK-3

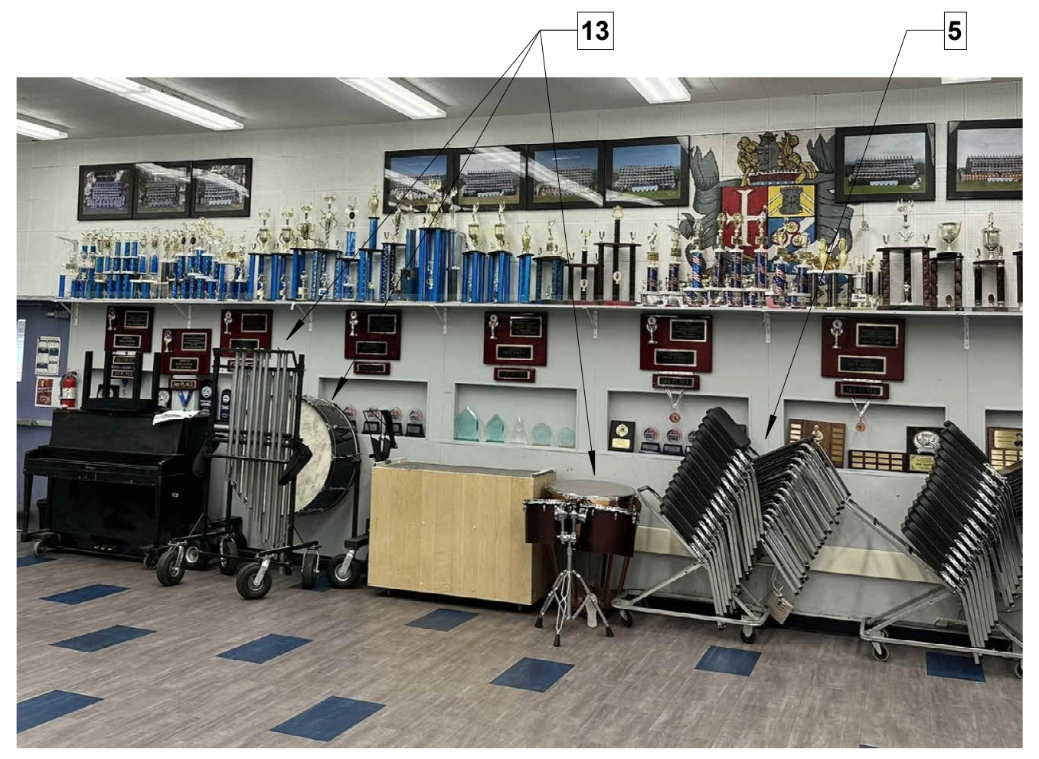
THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE



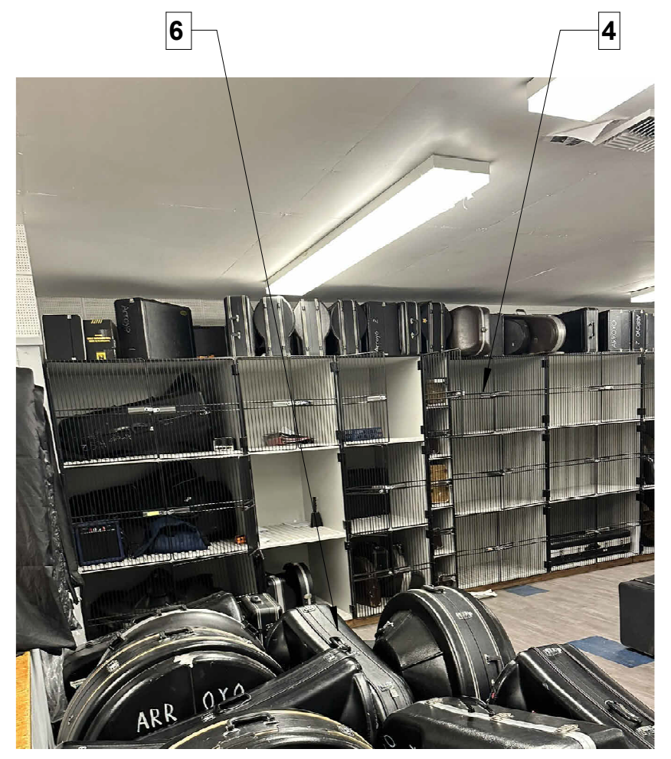
MALLET ORGANIZER



TUBA / TROMBONE

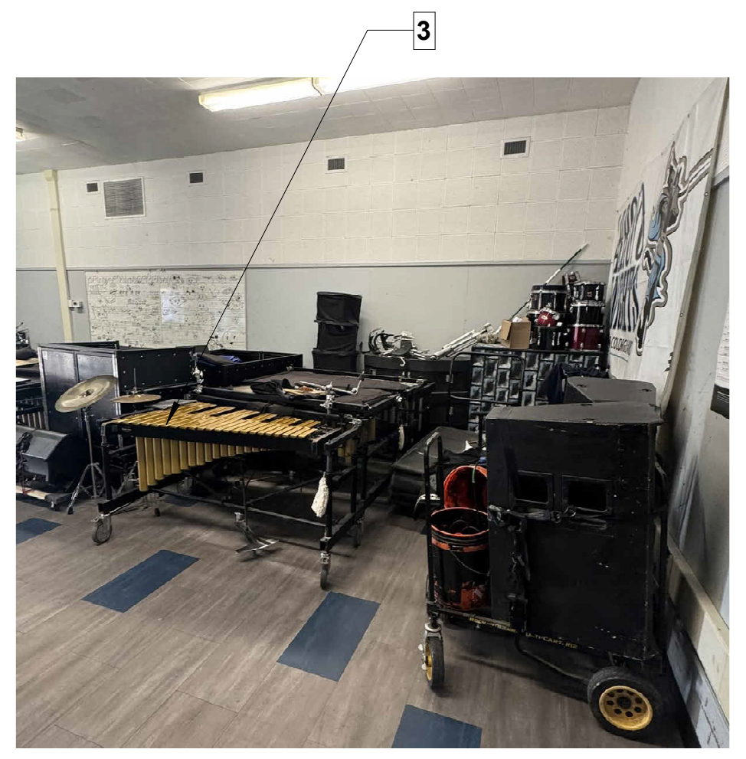


CHAIRS - PIT INSTRUMENTS



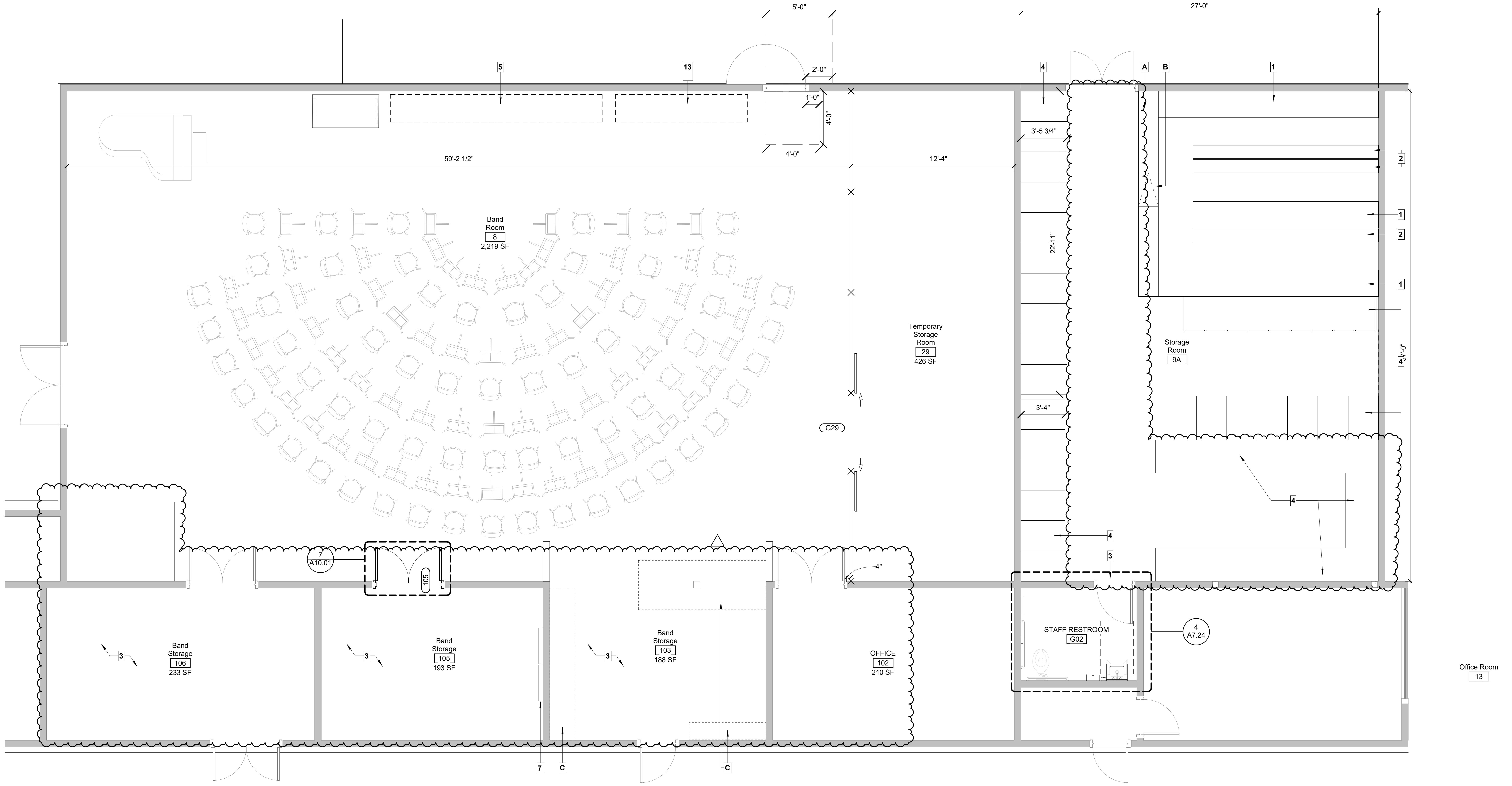
WENGER INSTRUMENT STORAGE

WENGER INSTRUMENT STORAGE



PIT PERCUSSION INSTRUMENTS

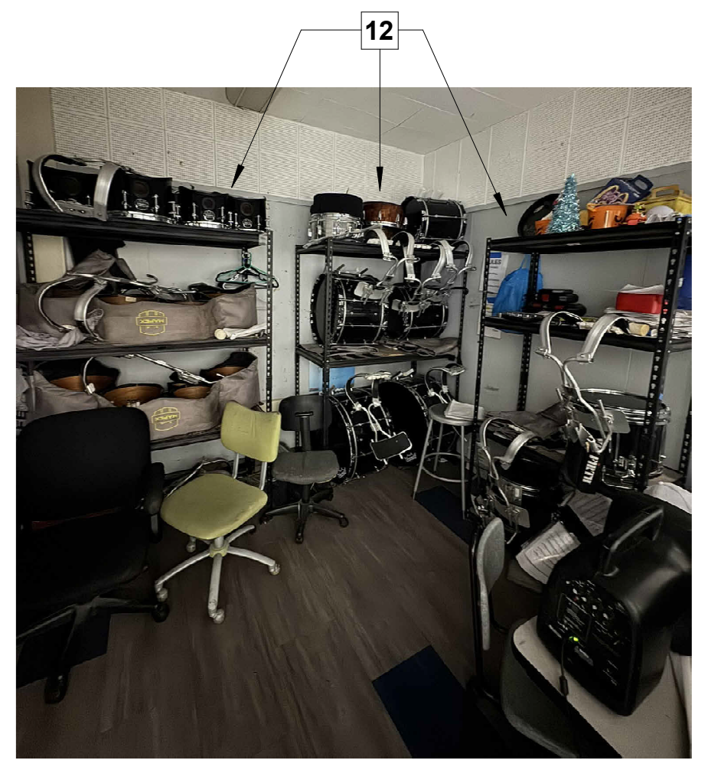
BAND JACKETS AND SHAKOS



ENLARGED PLAN_EQUIPMENT STORAGE

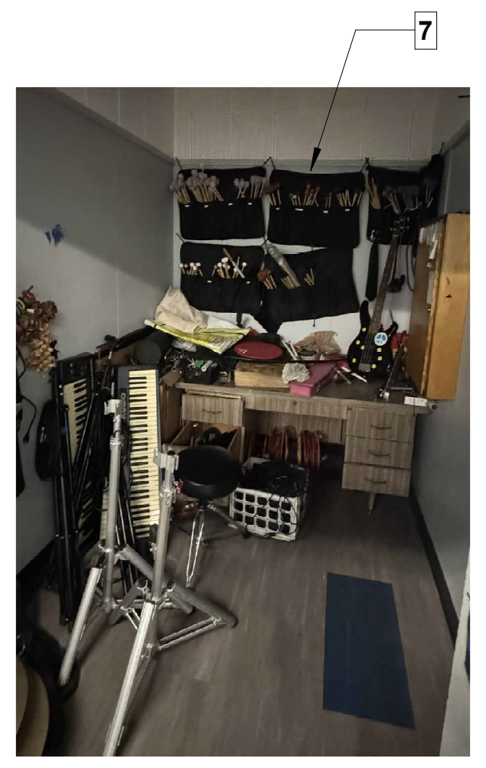
1

1/4" = 1'-0"

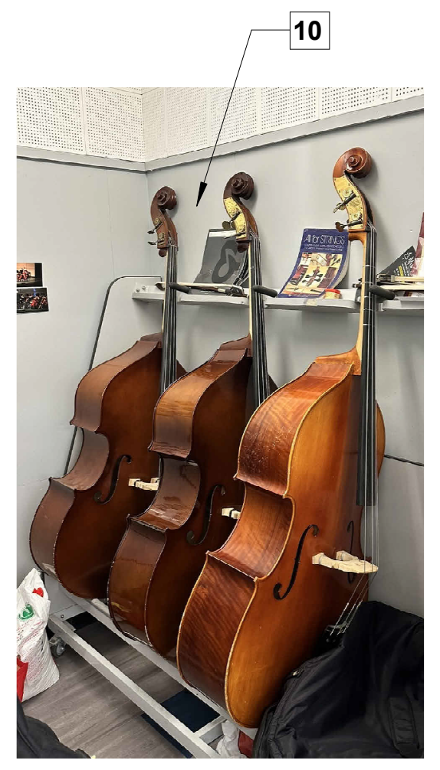


DRUMS STORAGE RACKS

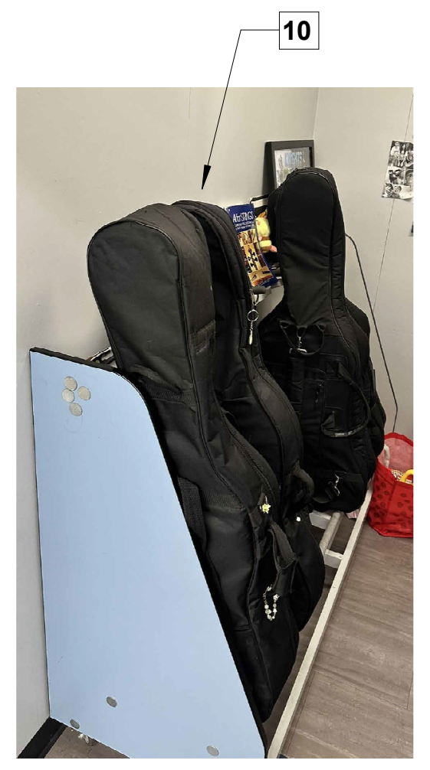
COLOR GUARD STORAGE



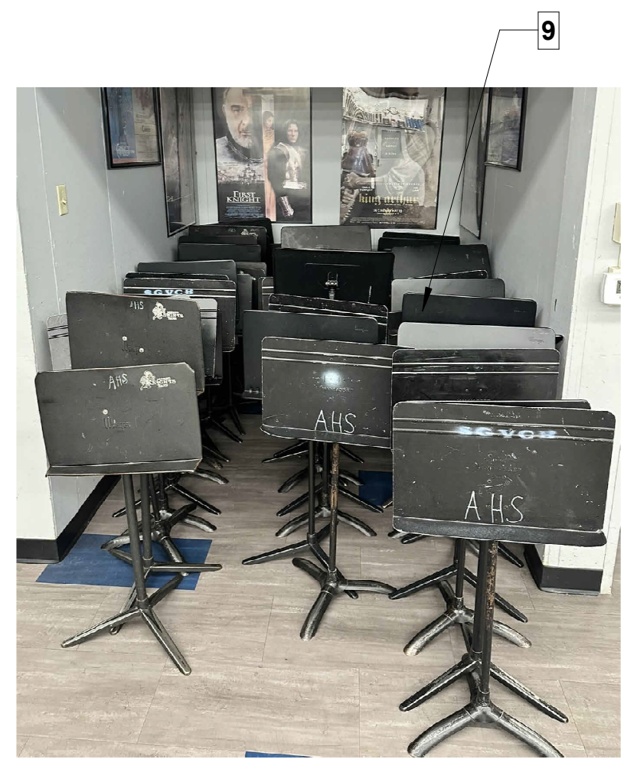
MALLET ORGANIZER



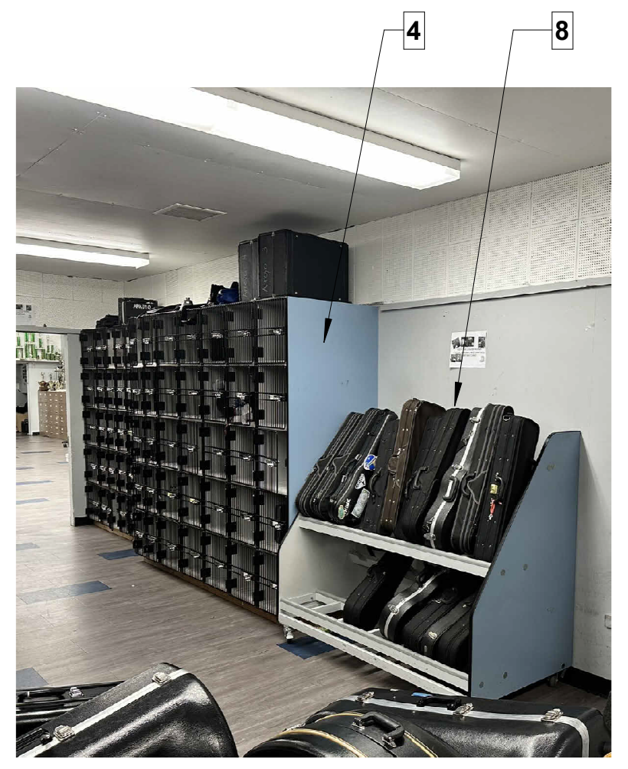
WENGER CELLO RACKS



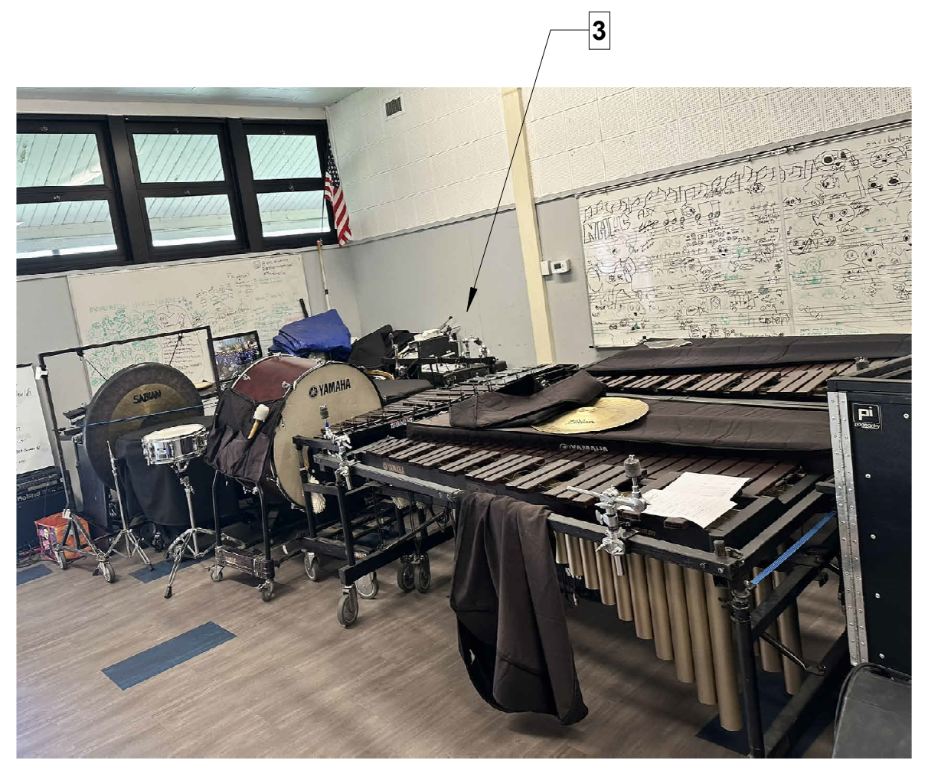
WENGER VIOLA RACKS



MUSIC STANDS



WENGER INSTRUMENT STORAGE & VIOLIN RACK



PIT PERCUSSION INSTRUMENTS

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 4:00:43 PM

HMC Architects
DESIGN FOR GOOD
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

1	BAND JACKETS
2	BAND SHAKOS
3	PIT PERCUSSION INSTRUMENTS
4	WENGER INSTRUMENT STORAGE RACKS
5	CHAIRS
6	TUBA - TRAMBONE
7	MALLET ORGANIZER
8	WENGER VIOLIN RACK
9	MUSIC STANDS STORAGE
10	WENGER CELLO & VIOLA RACKS
11	COLOR GUARD STORAGE
12	DRUMS STORAGE RACKS
13	PIT INSTRUMENTS
14	DRUM STORAGE RACK
15	MUSIC STANDS

NOTES

A	CHECK IN/OUT COUNTER BY G.C.
B	FLIP-UP COUNTER TOP BY G.C.
C	EXISTING BUILT IN CASEWORK TO BE REMOVED. PATCH AND REPAIR EXISTING FLOOR, WALL FINISHES AS REQUIRED.

LEGEND

▨ EXISTING WALLS

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

BAND ROOM LAYOUT

ADDENDUM

FILE NO.: 3361008101 **A NO.: 03-126126**

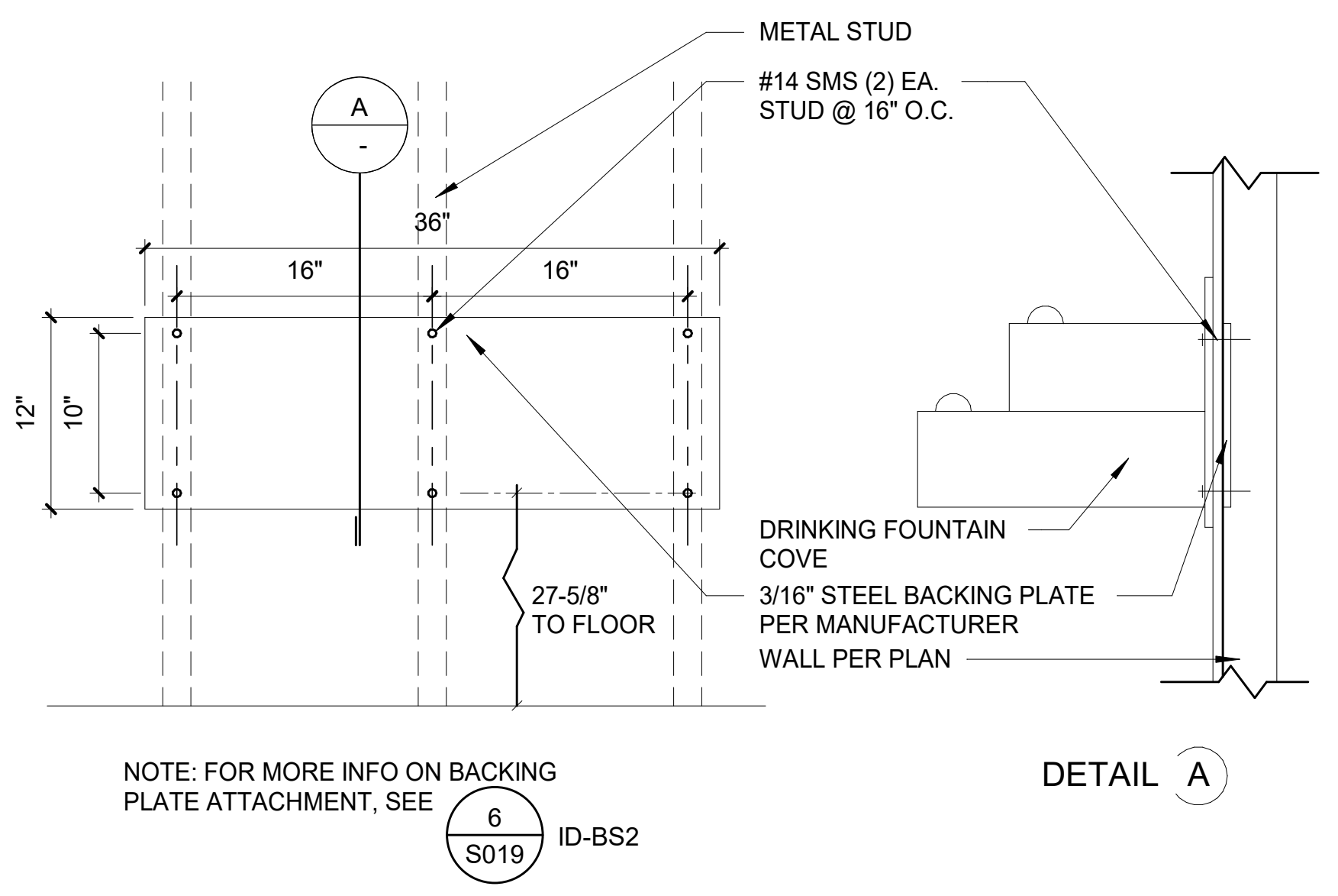
DATE: **2026.06.23** CLIENT PROJ NO: **3361-008-101**

SHEET:

A10.03

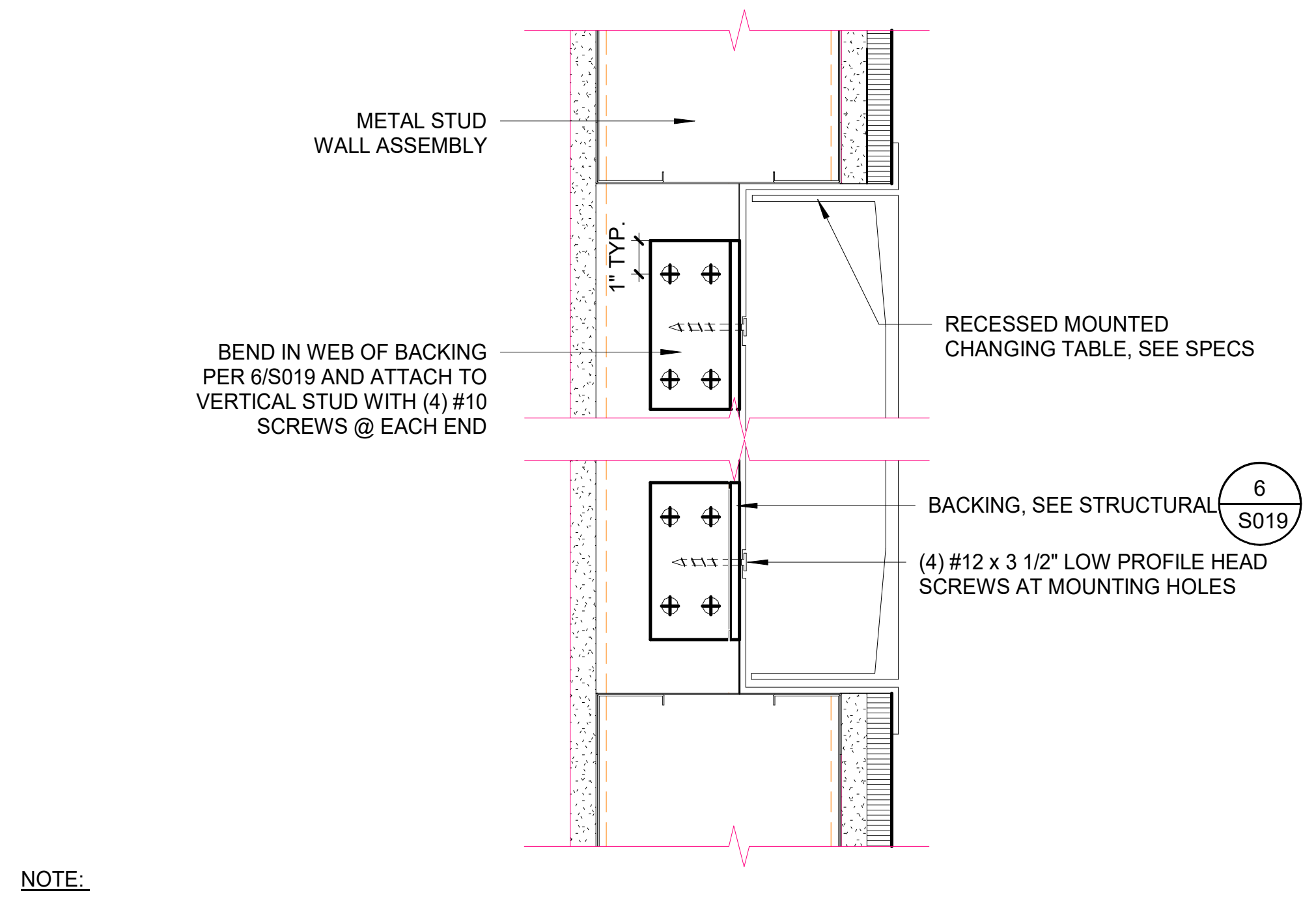
PLEASE RECYCLE ♲

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE



NOTE: FOR MORE INFO ON BACKING PLATE ATTACHMENT, SEE 6/S019 ID-BS2

DRINKING FOUNTAIN ATTACHMENT 12
NTS

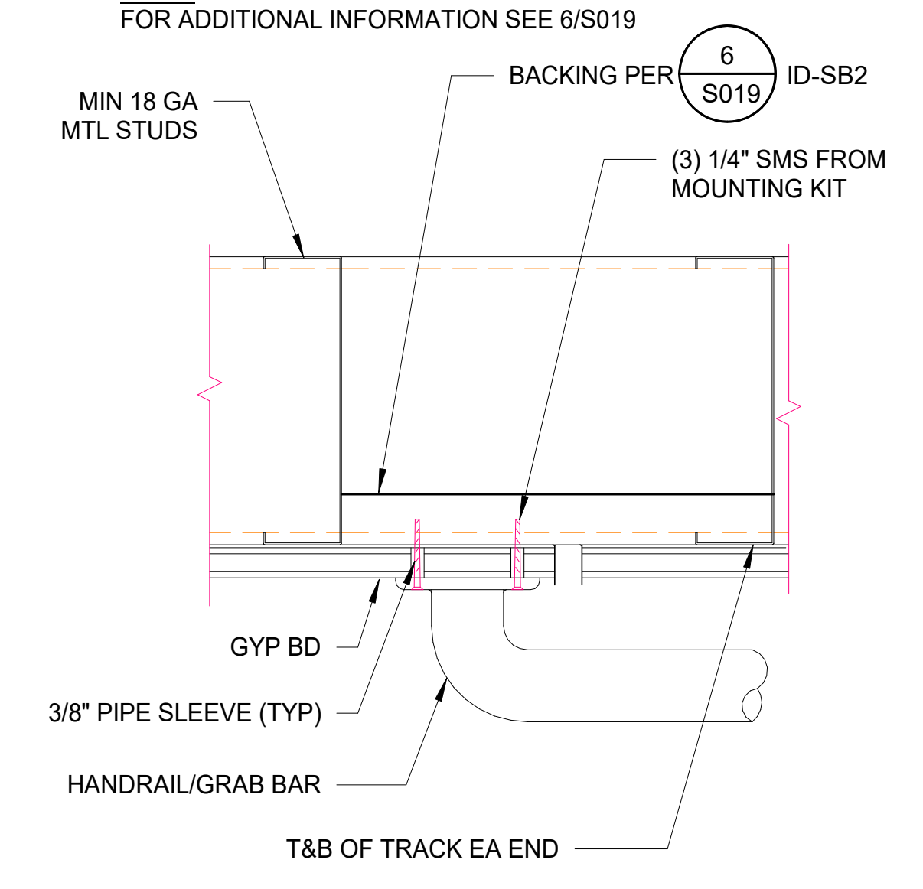

METAL STUD WALL ASSEMBLY
1" TYP.
BEND IN WEB OF BACKING PER 6/S019 AND ATTACH TO VERTICAL STUD WITH (4) #10 SCREWS @ EACH END
RECESSED MOUNTED CHANGING TABLE, SEE SPECS
BACKING, SEE STRUCTURAL 6/S019
(4) #12 x 3 1/2" LOW PROFILE HEAD SCREWS AT MOUNTING HOLES

NOTE:

- SHALL BE FITTED BETWEEN STUDS WITHOUT CUTTING ANY STUD

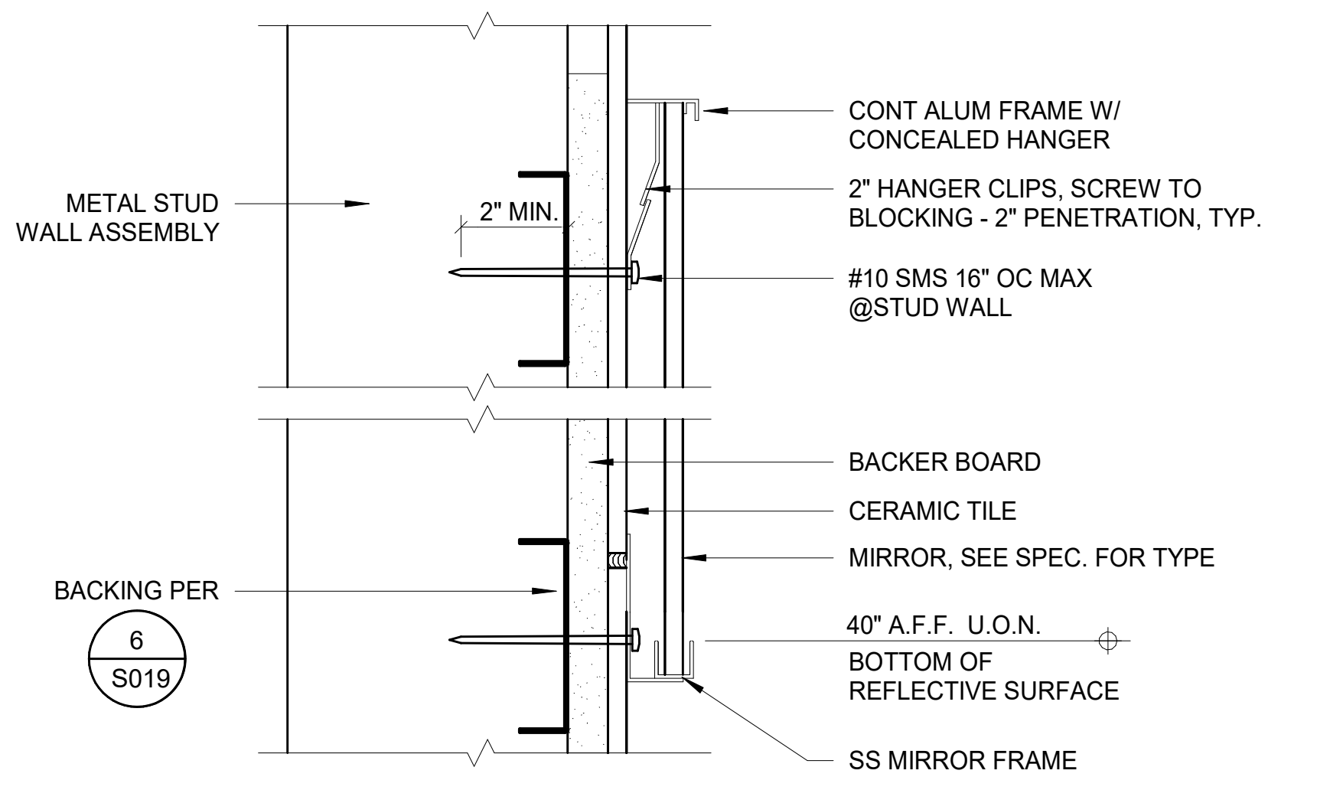
RECESSED CHANGING TABLE 8
3" = 1'-0"

NOTE:
FOR ADDITIONAL INFORMATION SEE 6/S019

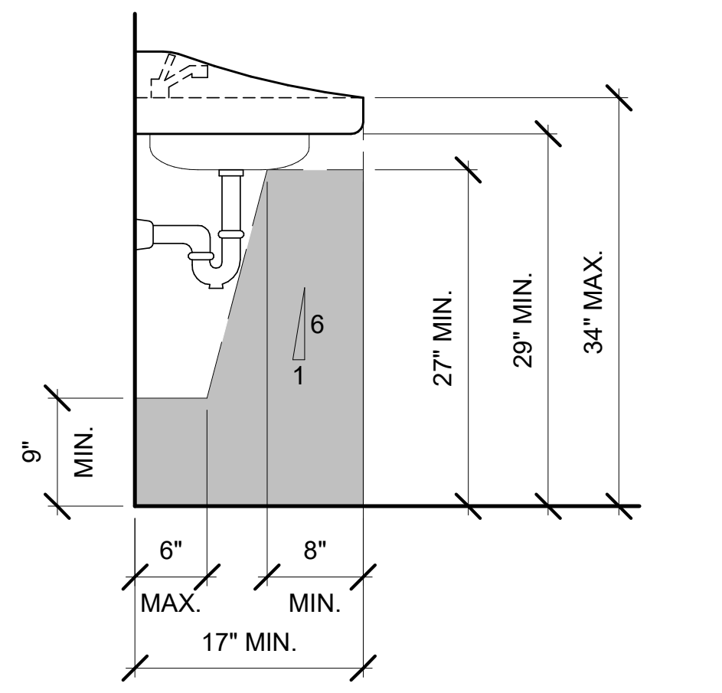


NOTE: REFER TO STRUCTURAL FOR MTL. STUD BACKING DETAILS

*MTL STUD BACKING @GRAB BAR/HANDRAIL 4
NTS

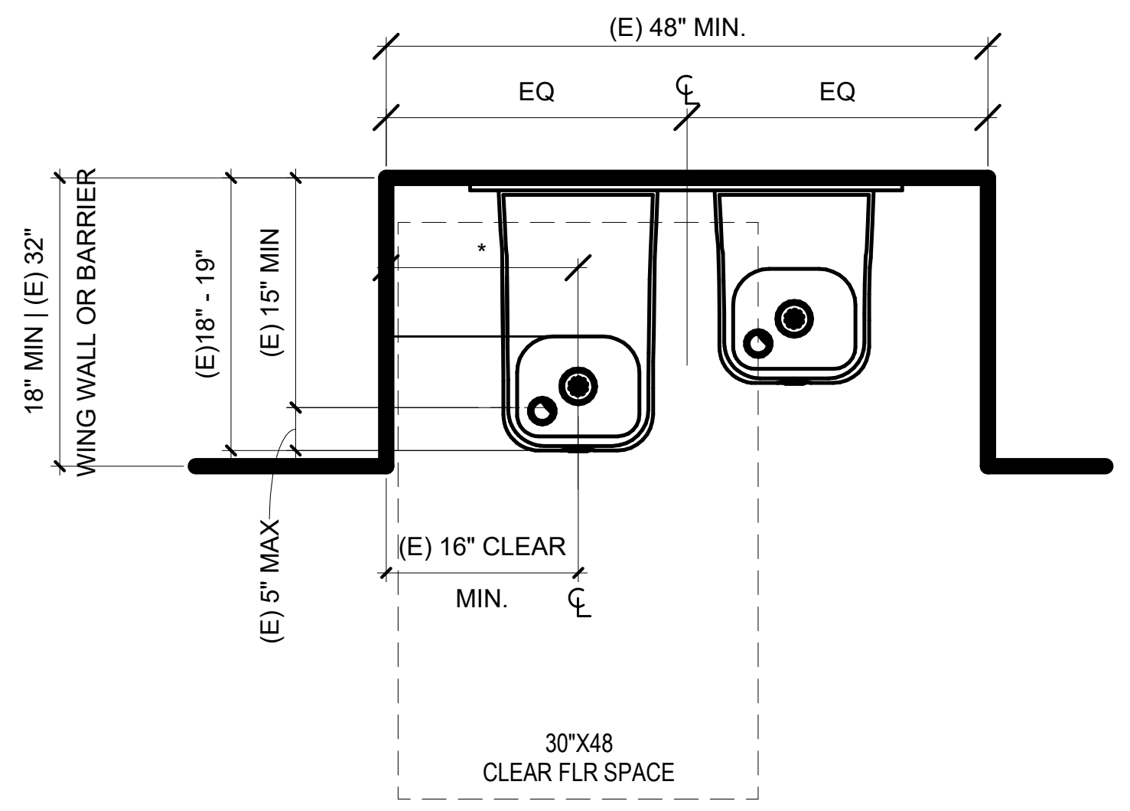

METAL STUD WALL ASSEMBLY
2" MIN.
CONT ALUM FRAME W/ CONCEALED HANGER
2" HANGER CLIPS, SCREW TO BLOCKING - 2" PENETRATION, TYP.
#10 SMS 16" OC MAX @STUD WALL
BACKER BOARD
CERAMIC TILE
MIRROR, SEE SPEC. FOR TYPE
BACKING PER 6/S019
40" A.F.F. U.O.N. BOTTOM OF REFLECTIVE SURFACE
SS MIRROR FRAME

TYP. MIRROR MOUNT 7
NTS

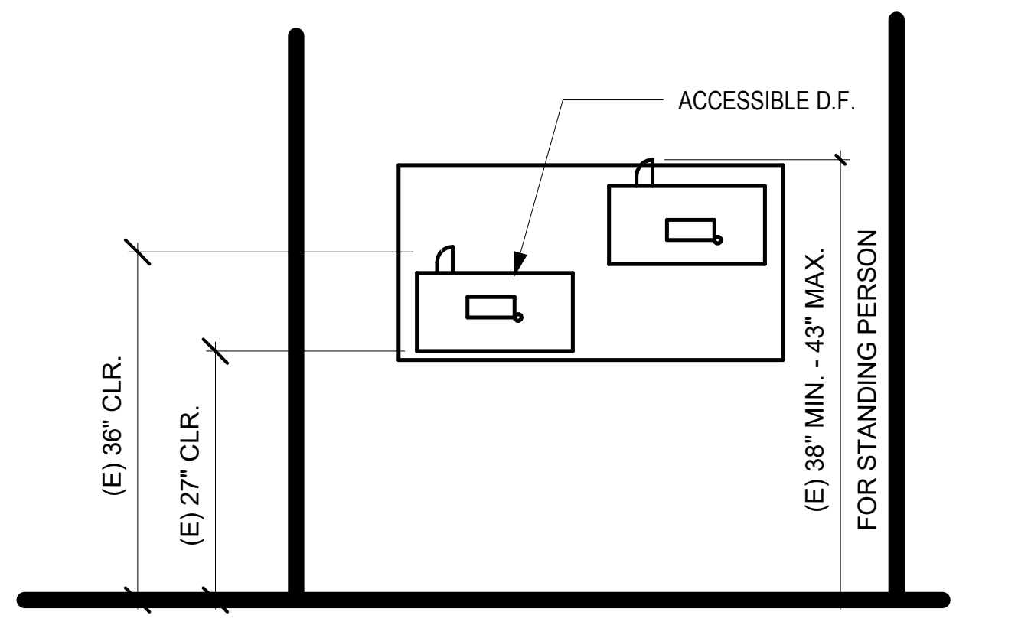


NOTES:
1. KNEE AND TOE SPACE (SHADED AREA) SHALL BE PROVIDED PER C.B.C. TABLE 1115B-1.
2. HOT WATER AND DRAIN PIPES UNDER SINKS SHALL BE INSULATED OR OTHERWISE COVERED.
3.THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS.
4. SHADED AREA IS THE ACCESSIBLE CLEAR SPACE.
5. SINK DEPTH 6" MAX.
6. PER 11B-306.3.4: INDICATE BETWEEN 9" AND 27" ABOVE THE FINISH FLOOR, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1" IN DEPTH FOR EACH 6" IN HEIGHT.

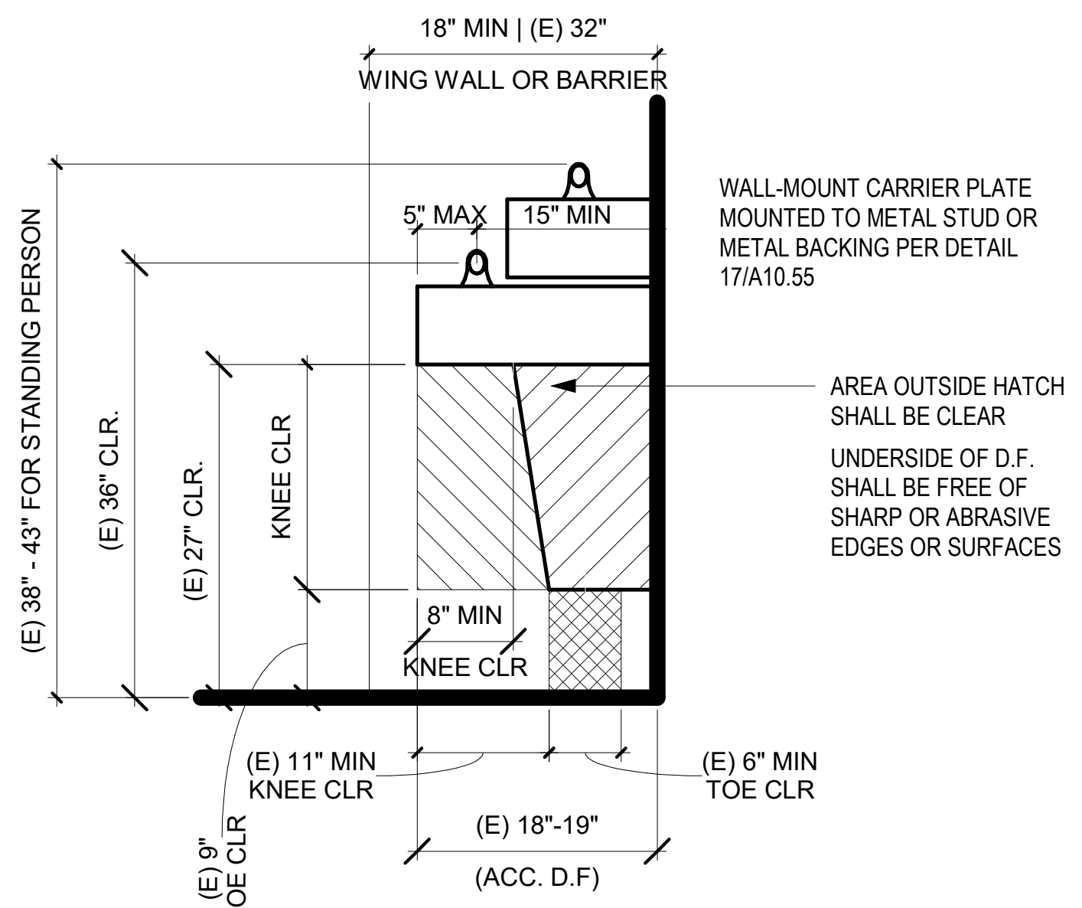
REQUIRED KNEE & TOE SPACE 3
NTS



PLAN



FRONT ELEVATION

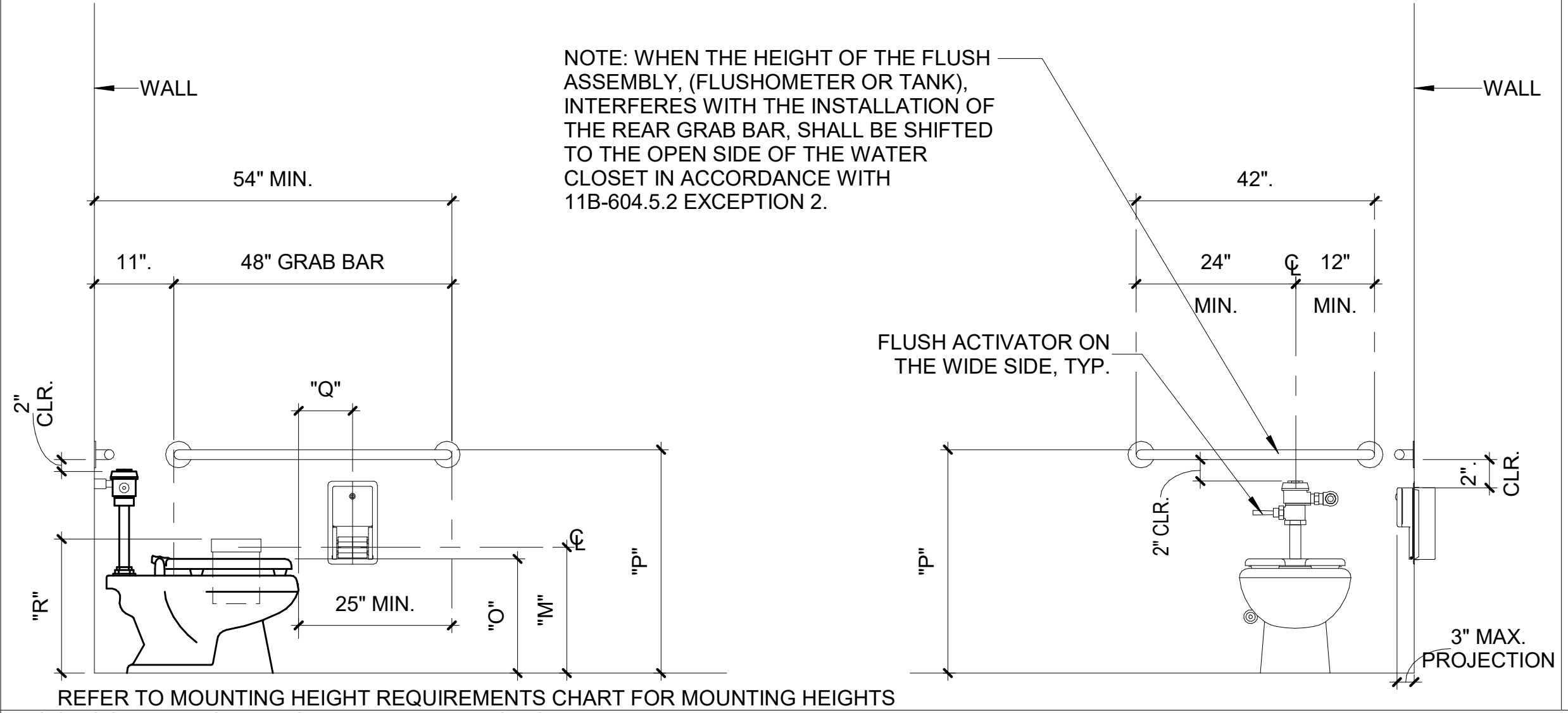

18" MIN | (E) 32"
WING WALL OR BARRIER
WALL-MOUNT CARRIER PLATE MOUNTED TO METAL STUD OR METAL BACKING PER DETAIL 17/A10.55
5" MAX
15" MIN
AREA OUTSIDE HATCH SHALL BE CLEAR
UNDERSIDE OF D.F. SHALL BE FREE OF SHARP OR ABRASIVE EDGES OR SURFACES
(E) 38" - 43" FOR STANDING PERSON
(E) 36" CLR.
(E) 27" CLR.
KNEE CLR
8" MIN KNEE CLR
(E) 11" MIN KNEE CLR
(E) 6" MIN TOE CLR
(E) 9" TOE CLR
(E) 18"-19"
(ACC. D.F)

SECTION

ACCESSIBLE MOUNTING HEIGHTS:

- ONE ACCESSIBLE FOUNTAIN AND ONE STANDARD FOUNTAIN AT ALL DOUBLE FOUNTAIN LOCATIONS PER PLUMBING DRAWINGS.

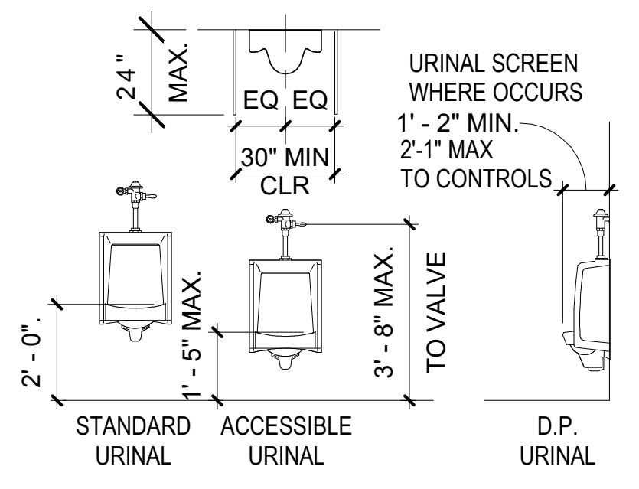
DRINKING FOUNTAIN DETAIL 9
NTS



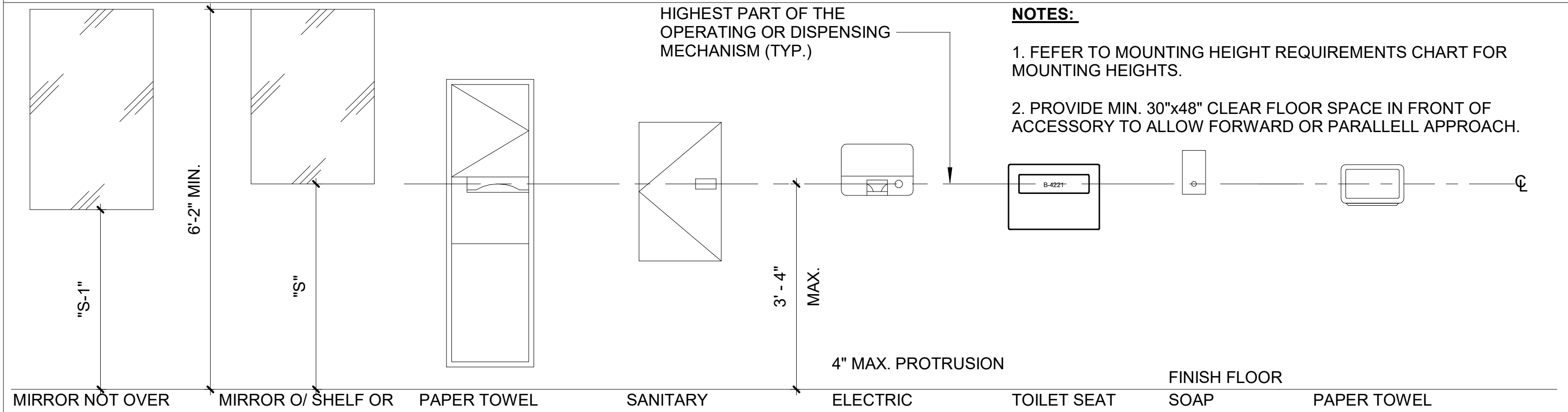
NOTE: WHEN THE HEIGHT OF THE FLUSH ASSEMBLY, (FLUSHOMETER OR TANK), INTERFERES WITH THE INSTALLATION OF THE REAR GRAB BAR, SHALL BE SHIFTED TO THE OPEN SIDE OF THE WATER CLOSET IN ACCORDANCE WITH 11B-604.5.2 EXCEPTION 2.

REFER TO MOUNTING HEIGHT REQUIREMENTS CHART FOR MOUNTING HEIGHTS

ACCESSIBLE TOILET STALL ELEVATIONS



URINAL


HIGHEST PART OF THE OPERATING OR DISPENSING MECHANISM (TYP.)
6'-2" MIN.
"S-1"
"S"
3' - 4" MAX.
4" MAX. PROTRUSION
FINISH FLOOR

NOTES:

1. FEFER TO MOUNTING HEIGHT REQUIREMENTS CHART FOR MOUNTING HEIGHTS.

2. PROVIDE MIN. 30"x48" CLEAR FLOOR SPACE IN FRONT OF ACCESSORY TO ALLOW FORWARD OR PARALLELL APPROACH.

MIRROR NOT OVER SHELF OR ACCESSIBLE LAVATORY | MIRROR O/ SHELF OR ACCESSIBLE LAVATORY | PAPER TOWEL DISPENSER & WASTE RECEPTABLE | SANITARY NAPKIN DISPENSER | ELECTRIC HAND & HAIR DRYERS | TOILET SEAT COVER DISPENSER | SOAP DISPENSER | PAPER TOWEL DISPENSER

ACCESSIBLE ACCESSORIES MOUNTING HEIGHT

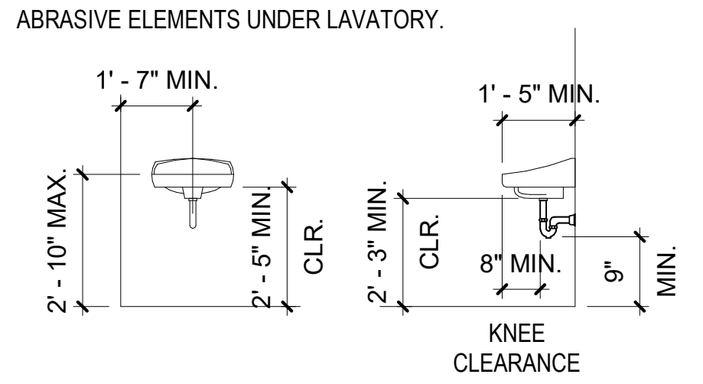
	DESCRIPTION	ADULT, MS & HIGH SCHOOL 13 YEARS TO ADULT
"M"	TOILET PAPER DISPENSER A.F.F.	19" MIN.
"N"	TOILET CENTERING FROM WALL/ PARTITION	17 1/2"
"O"	TOILET SEAT HEIGHT	18"
"P"	GRAB BAR HEIGHT *	34 1/2"
"Q"	TOILET PAPER DISPENSER IN FRONT OF TOILET	8"
"R"	NAPKIN DISPOSAL (BELOW SIDE GRAB BAR)	20" MINIMUM
"S"	MIRROR HEIGHT (WHEN OVER A SHELF OR LAV.)	39"
"S.1"	MIRROR HEIGHT (ISOLATED MIRROR)	34"
"T"	LAVATORY/SINK TOP HEIGHT	34" MINIMUM
"U"	LAVATORY/SINK KNEE CLEARANCE	27" MINIMUM
"X"	LAVATORY APRON HEIGHT	29" MINIMUM

NOTES:

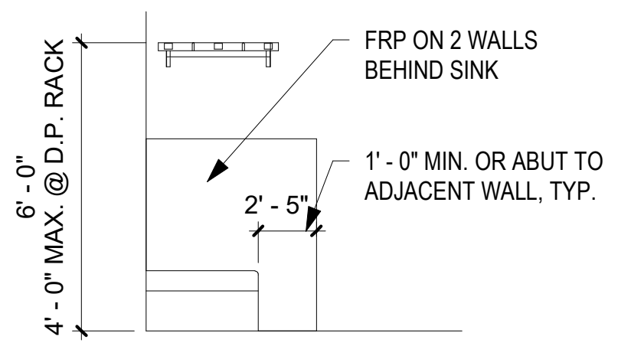
1. ROUGH-IN FOR FIXTURES, EQUIPMENT AND APPLIANCES SHALL BE AS INDICATED ON DRAWINGS AND AS SPECIFIED, INCLUDING THOSE ITEMS INDICATED AS FURNISHED BY OTHERS, FURNISHED BY OWNER, OR FUTURE CAPACITY. WHEN CONNECTIONS TO EQUIPMENT FROM CAPPED OR PLUGGED LINES ARE REQUIRED, CAPS OR PLUGS SHALL BE REMOVED AT TIME EQUIPMENT IS SET AND STOPS OR VALVES INSTALLED AND CONNECTIONS PROVIDED AS SPECIFIED.
2. UNLESS OTHERWISE INDICATED, FIXTURES SHALL BE INSTALLED WITH 5/16" BRASS BOLTS OR SCREWS OF SUFFICIENT LENGTH TO SECURE FIXTURE TO BACKING, WALL OR CLOSET RINGS.
3. FIXTURES INSTALLED AGAINST CONCRETE OR MASONRY WALLS SHALL HAVE THEIR HANGERS FASTENED WITH THE 5/16" BOLTS, PHILIP SHIELD TYPE ANCHORS, OR 2 UNIT CINCH ANCHORS. WOOD OR PLASTIC PLUGS ARENOT PERMITTED.
4. BACKING FOR HANGING OF PLUMBING FIXTURE AND EQUIPMENT SHALL BE INSTALLED IN SUPPORTING WALL AT TIMES ROUGH PIPING IS INSTALLED.
5. FOR METAL STUDS USE 6" x 16 GA. METAL CHANNELS - SPANNING 3 STUDS MIN. WITH FLANGES CLIPPED ATTACHED TO EXISTING METAL STUDS WITH 3 SHEET METAL SCREWS PER STUD
6. PIPING SHALL BE STUBBED OUT TO EXACT LOCATION OF FIXTURES AND STUBS SHALL BE INSTALLED SYMMETRICAL WITH FIXTURES. HOT AND COLD WATER SUPPLIES FOR CENTER SET FAUCETS ON LAVATORIES SHALL BE INSTALLED ON 8 INCH CENTERS, UNLESS OTHER WISE SPECIFIED OR REQUIRED.

MOUNTING HEIGHT REQUIREMENTS

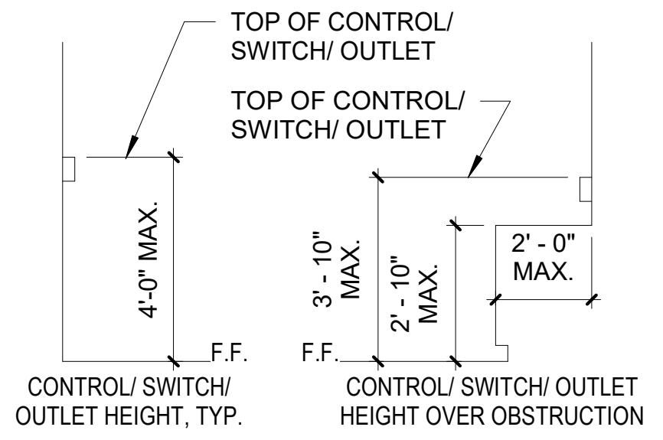
NOTE: DRAIN AND HOT WATER PIPING SHALL BE INSULATED AND THERE SHALL BE NO SHARP OR ABRASIVE ELEMENTS UNDER LAVATORY.



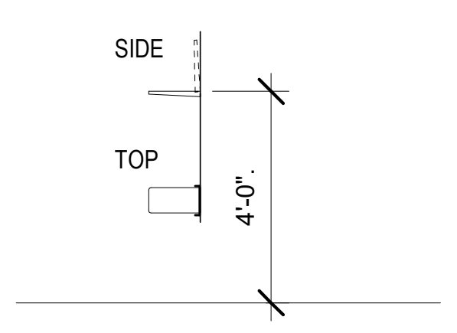
LAVATORY


FRP ON 2 WALLS BEHIND SINK
6' - 0" MAX. @ D.P. RACK
4' - 0" MAX.
1' - 0" MIN. OR ABUT TO ADJACENT WALL, TYP.
2' - 5"
UTILITY SHELF W/ MOP, BROOM & RAG HOOKS

MOP RACK


TOP OF CONTROL/ SWITCH/ OUTLET
TOP OF CONTROL/ SWITCH/ OUTLET
4'-0" MAX.
3' - 10" MAX.
2' - 10" MAX.
2' - 0" MAX.
F.F.
F.F.
CONTROL/ SWITCH/ OUTLET HEIGHT, TYP.
CONTROL/ SWITCH/ OUTLET HEIGHT OVER OBSTRUCTION

CONTROLS, SWITCHES & OUTLETS



FOLDING UTILITY SHELF

FIXTURE & ACCESSORY MOUNTING HEIGHTS 1
NTS

HMC Architects DESIGN FOR GOOD
3361-008-000
633 W. 5TH STREET, THIRD FLOOR,
LOS ANGELES, CA, 90071
213 542 8300 / www.hmcarchitects.com

LICENSED ARCHITECT
VIRGINIA ELAINE MARQUARDT
No. C-33423
Virginia E Marquardt
06/30/2025
RENEWAL DATE
STATE OF CALIFORNIA

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

NOTES

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

TYPICAL RESTROOM & ACCESSIBILITY DETAILS

ADDENDUM

FILE NO.: 3361008101
A NO.: 03-126126
DATE: 7/23/2026
CLIENT PROJ NO: 3361-008-101

SHEET:
A10.71

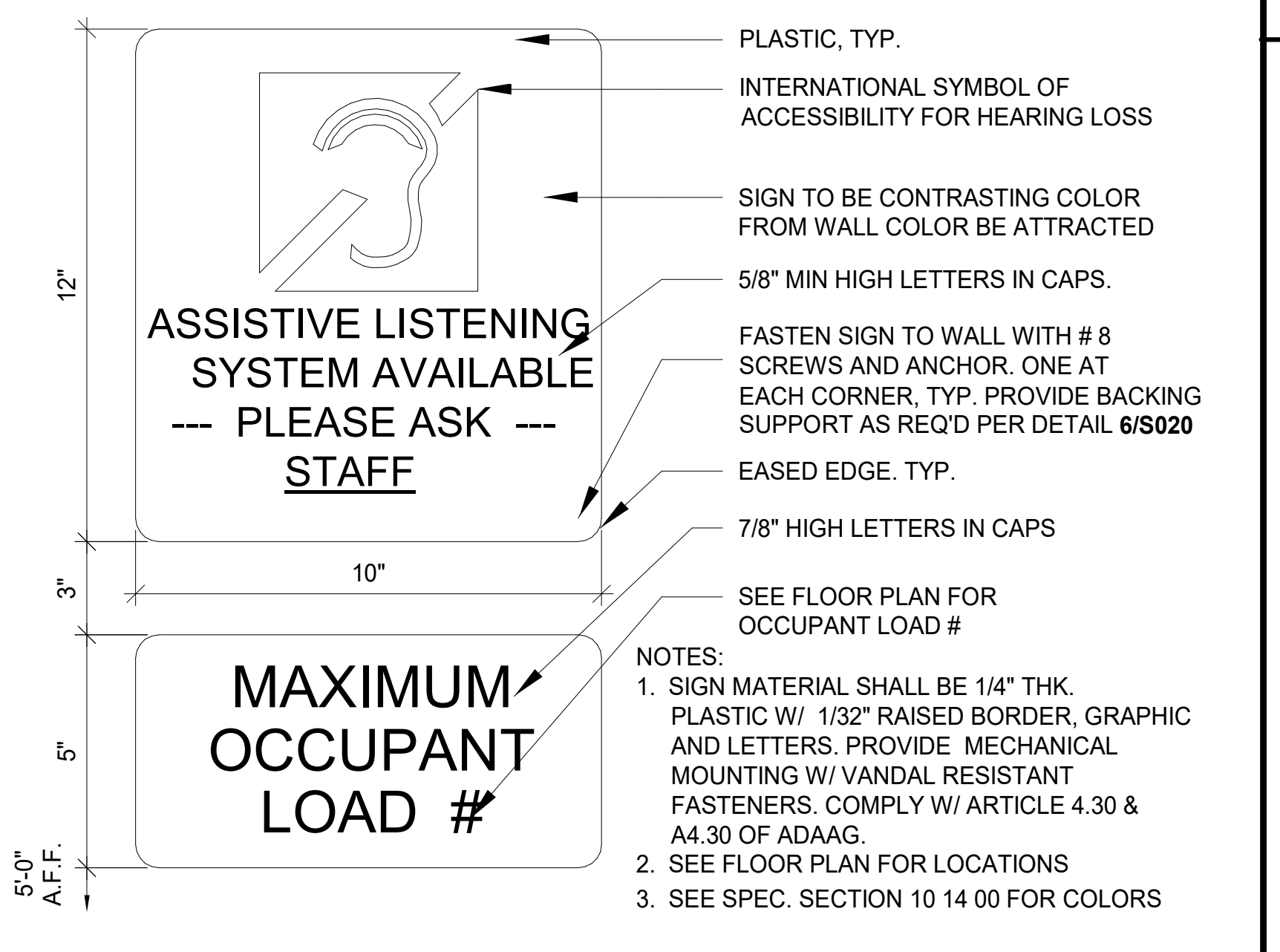
PLEASE RECYCLE

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:38 PM

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEET'S ORIGINAL PAGE SIZE

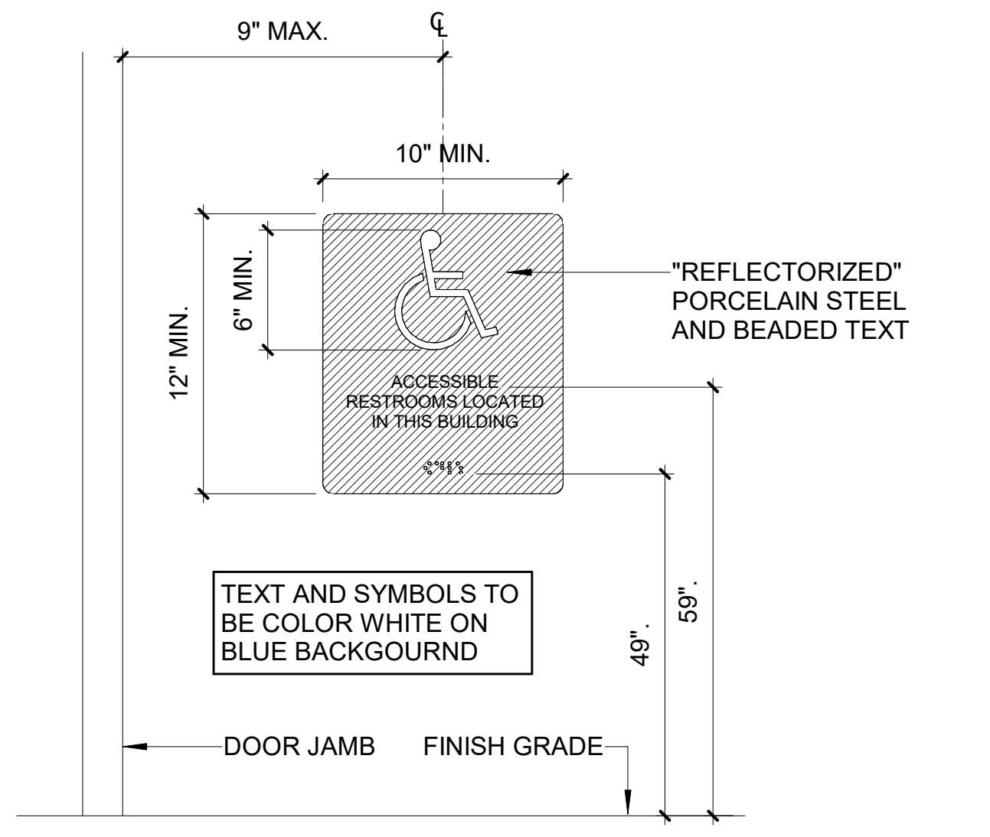
1. CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (MINIMUM 70%), EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
2. CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPER CASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPER CASE LETTER "I" AND A STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.
3. VISUAL NON-TACTILE CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEW DISTANCE FROM WHICH THEY ARE TO BE READ, THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE I. LOWERCASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH CBC TABLE 11B-703.5.5, THE MINIMUM CHARACTER HEIGHT SHALL BE 5/8" (15.9MM). REFER TO ACCOMPANYING DETAILS FOR CHARACTER HEIGHT.
4. CHARACTERS ON TACTILE SIGNS SHALL BE RAISED 1/32 INCH (0.794 MM) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.
5. RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH (15.9 MM) AND A MAXIMUM OF 2 INCHES (51 MM) HIGH. REFER TO ACCOMPANYING DETAILS FOR CHARACTER HEIGHT.
6. PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6 INCHES (152 MM) IN HEIGHT.
7. CONTRACTED CALIFORNIA GRADE 2 BRAILLE. DOT SHALL BE 1/10 INCHES (2.54MM) ON CENTER IN EACH CELL WITH 0.300" (7.62 MM) SPACE BETWEEN CELLS, MEASURED FROM THE FIRST COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 0.025" TO 0.037" MAXIMUM ABOVE THE BACKGROUND.
8. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, A TACTILE SIGN SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH OUTSIDE OF THE DOOR AS INDICATED ON THE ACCOMPANYING DETAIL(S). WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE INCLUDING AT DOUBLE LEAF DOORS, SIGN SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT, SIGNS SHALL BE 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.
9. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND AND USABLE BY PHYSICALLY DISABLED PERSON. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. FS 15090 IN FEDERAL STANDARD 595C.
10. THE ISA SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AT SANITARY FACILITIES THAT ARE ACCESSIBLE. AT NON-ACCESSIBLE SANITARY FACILITIES / SIGN SHALL BE PROVIDE DIRECTING PEOPLE TO THE NEAREST ACCESSIBLE SANITARY FACILITY.
11. ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH A MINIMUM OF ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGN, UTILIZING THE SYMBOL, AT JUNCTIONS, TO BE VISIBLE TO PERSON ALONG APPROACHING PEDESTRIAN WAYS.
12. DOORWAYS LEADING TO MALE SANITARY FACILITIES SHALL BE IDENTIFIED BY A GEOMETRIC SIGN COMPRISED OF AN EQUILATERAL TRIANGLE 1/4 INCH THICK WITH EDGES 12 INCHES LONG AND A VERTEX POINTING UPWARD. SIGN COLOR SHALL CONTRAST WITH DOOR COLOR.
13. DOORWAYS LEADING TO FEMALE SANITARY FACILITIES SHALL BE IDENTIFIED BY A GEOMETRIC SIGN COMPRISED OF CIRCLE 1/4 INCH THICK (6.4MM) 12 INCHES (305MM) IN DIAMETER. SIGN COLOR SHALL CONTRAST WITH DOOR COLOR.
14. DOORWAYS LEADING TO UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A GEOMETRIC SIGN COMPRISED OF CIRCLE 1/4 INCH THICK (6.4 MM) 12 INCHES IN DIAMETER (305MM) WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON A CIRCLE AND WITHIN THE 12 INCHES DIAMETER. CIRCLE COLOR SHALL CONTRAST DOOR COLOR, AND TRIANGLE COLOR SHALL CONTRAST WITH CIRCLE COLOR.
15. GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 59 INCHES AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.
16. EDGES AND VERTICES ON GEOMETRIC SYMBOLS SHALL BE EASED OR ROUNDED AT 1/16 INCH MINIMUM, OR CHAMFERED AT 1/8 INCH MINIMUM. VERTICES SHALL BE RADIUSES BETWEEN 1/8 INCH MINIMUM AND 1/4 INCH MAXIMUM.
17. EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD "EXIT".
18. EACH EXIT DOORS THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE; "EXIT STAIR DOWN", EXIT RAMP", "EXIT STAIR UP", "EXIT RAMP UP".
19. EACH EXIT DOORS THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD "EXIT ROUTE" .
20. EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE"
21. EACH EXIT DOORS THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD "EXIT ROUTE" .
22. PROVIDE MECHANICAL MOUNTING W/ VANDAL-RESISTANT FASTENERS.

GENERAL SIGNAGE NOTE 21
3" = 1'-0"

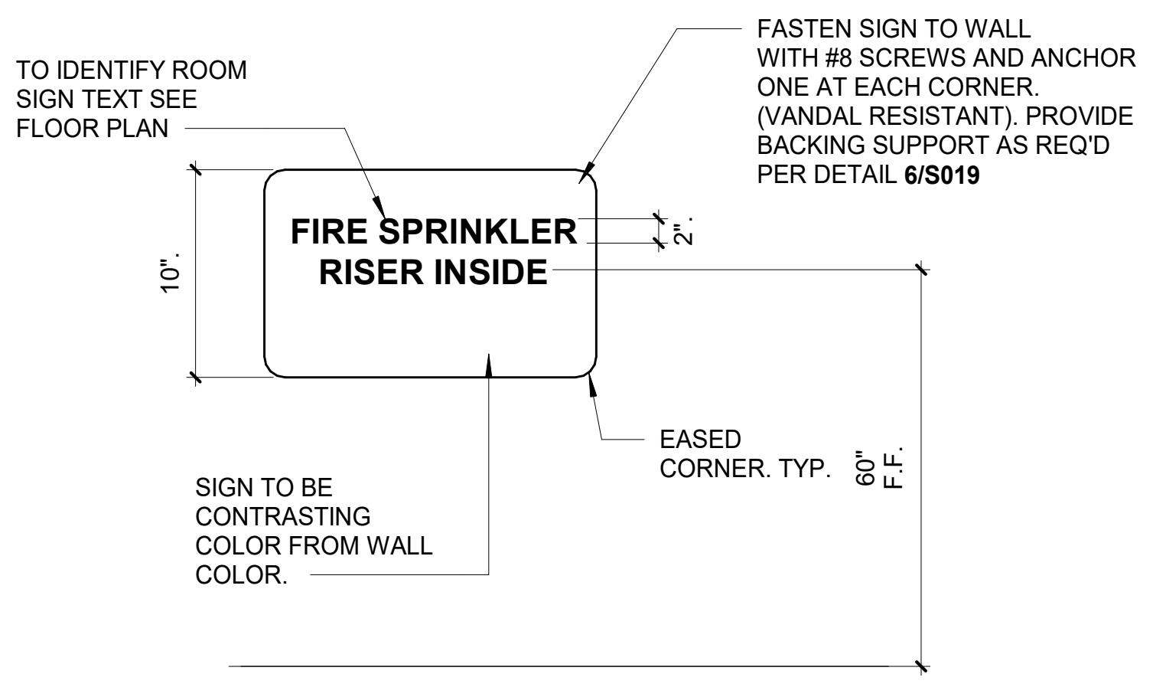

PLASTIC, TYP.
INTERNATIONAL SYMBOL OF ACCESSIBILITY FOR HEARING LOSS
SIGN TO BE CONTRASTING COLOR FROM WALL COLOR BE ATTRACTED
5/8" MIN HIGH LETTERS IN CAPS.
FASTEN SIGN TO WALL WITH # 8 SCREWS AND ANCHOR. ONE AT EACH CORNER, TYP. PROVIDE BACKING SUPPORT AS REQ'D PER DETAIL 6/S020
EASED EDGE. TYP.
7/8" HIGH LETTERS IN CAPS
SEE FLOOR PLAN FOR OCCUPANT LOAD #
ASSISTIVE LISTENING SYSTEM AVAILABLE --- PLEASE ASK --- STAFF
MAXIMUM OCCUPANT LOAD #
12"
3"
5"
10"
5'-0" A.F.F.

NOTES:
1. SIGN MATERIAL SHALL BE 1/4" THK. PLASTIC W/ 1/32" RAISED BORDER, GRAPHIC AND LETTERS. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. COMPLY W/ ARTICLE 4.30 & A4.30 OF ADAAG.
2. SEE FLOOR PLAN FOR LOCATIONS
3. SEE SPEC. SECTION 10 14 00 FOR COLORS

△ ALS & OCCUPANT LOAD SIGN 19
3" = 1'-0"

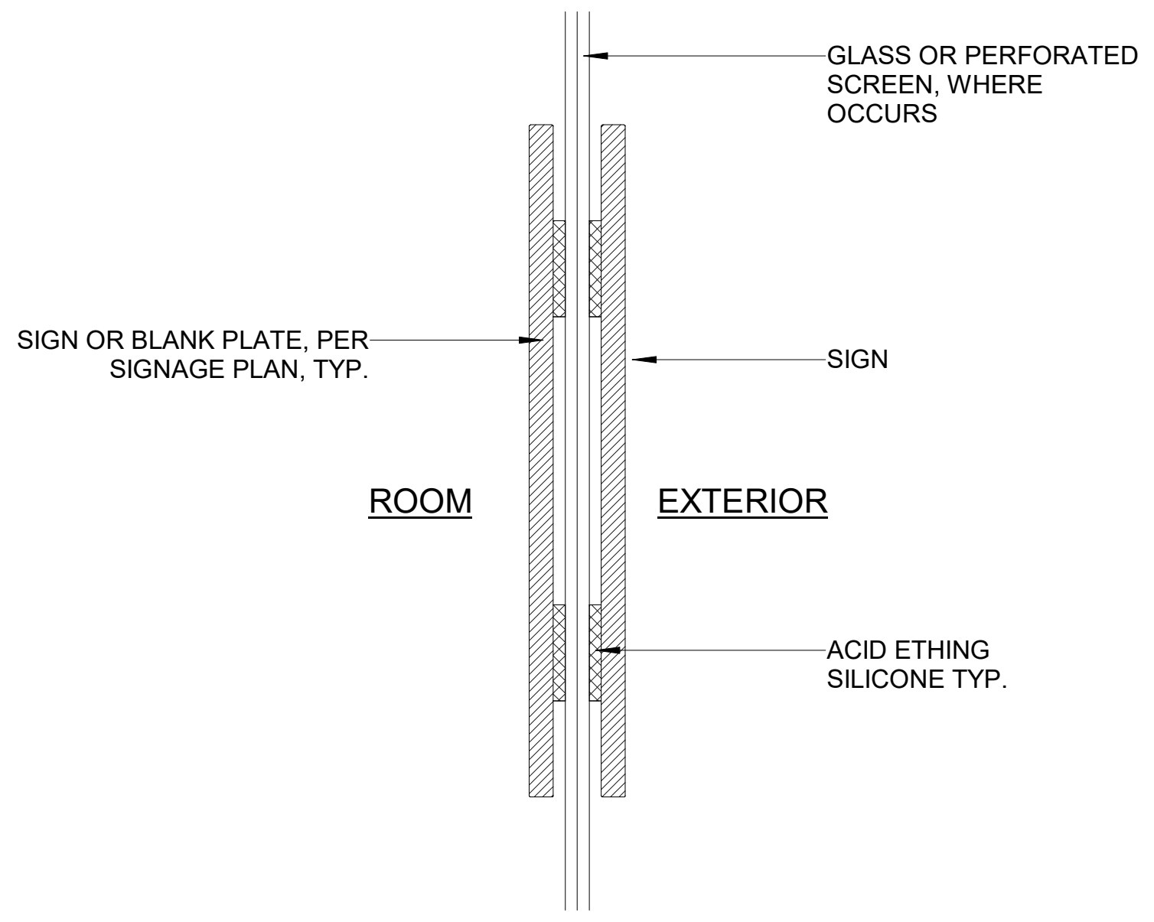

9" MAX.
℄
10" MIN.
12" MIN.
6" MIN.
"REFLECTORIZED" PORCELAIN STEEL AND BEADED TEXT
ACCESSIBLE RESTROOMS LOCATED IN THIS BUILDING
TEXT AND SYMBOLS TO BE COLOR WHITE ON BLUE BACKGOURND
59".
49".
DOOR JAMB
FINISH GRADE

ENTRANCE SIGN 18
1 1/2" = 1'-0"

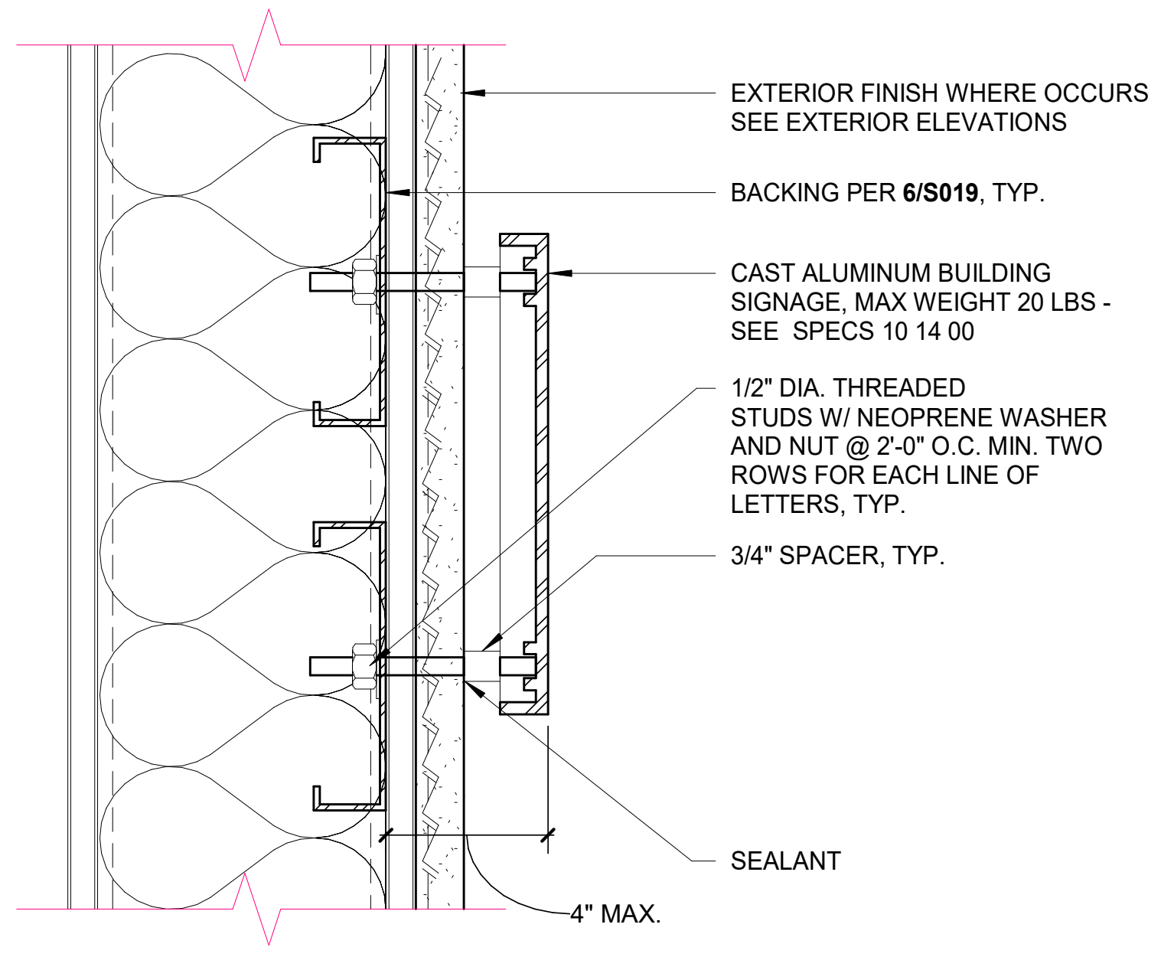

TO IDENTIFY ROOM SIGN TEXT SEE FLOOR PLAN
FASTEN SIGN TO WALL WITH #8 SCREWS AND ANCHOR ONE AT EACH CORNER. (VANDAL RESISTANT). PROVIDE BACKING SUPPORT AS REQ'D PER DETAIL 6/S019
FIRE SPRINKLER RISER INSIDE
10".
2".
EASED CORNER. TYP.
60" F.F.
SIGN TO BE CONTRASTING COLOR FROM WALL COLOR.

NOTES:
1. SIGN MATERIAL SHALL BE 1/8" THICK ACRYLIC PLASTIC. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. COMPLY W/ ARTICLE 4.30 & A4.30 OF ADAAG., SEE SPEC. SECTION 10 1400.
2. SEE FLOOR PLANS FOR LOCATIONS
3. CHARACTER/TEXT ON SIGN SHALL CONTRAST WITH THEIR BACKGROUND.

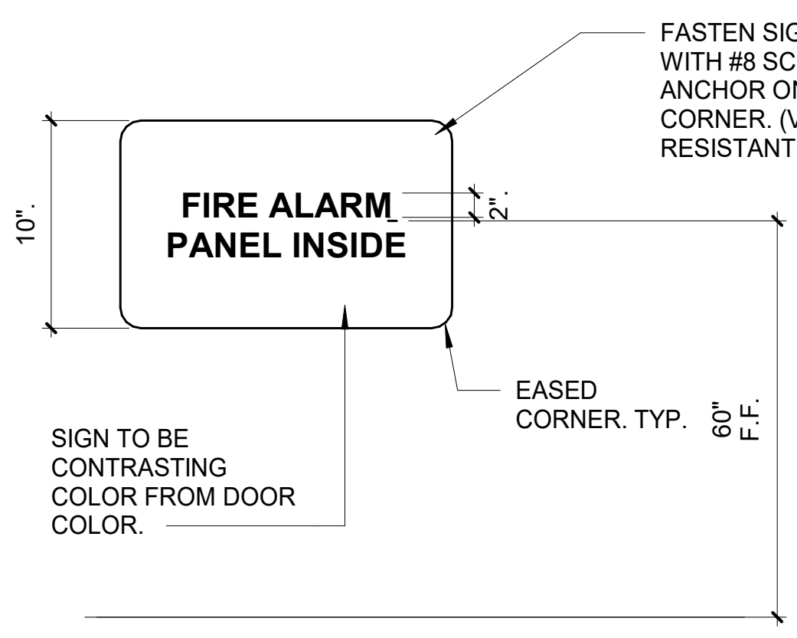
FIRE SPRINKLER RISER INSIDE SIGN 17
NTS


GLASS OR PERFORATED SCREEN, WHERE OCCURS
SIGN OR BLANK PLATE, PER SIGNAGE PLAN, TYP.
SIGN
ROOM
EXTERIOR
ACID ETHING SILICONE TYP.

ROOM IDENTIFICATION SIGN MOUNTING 16
NTS

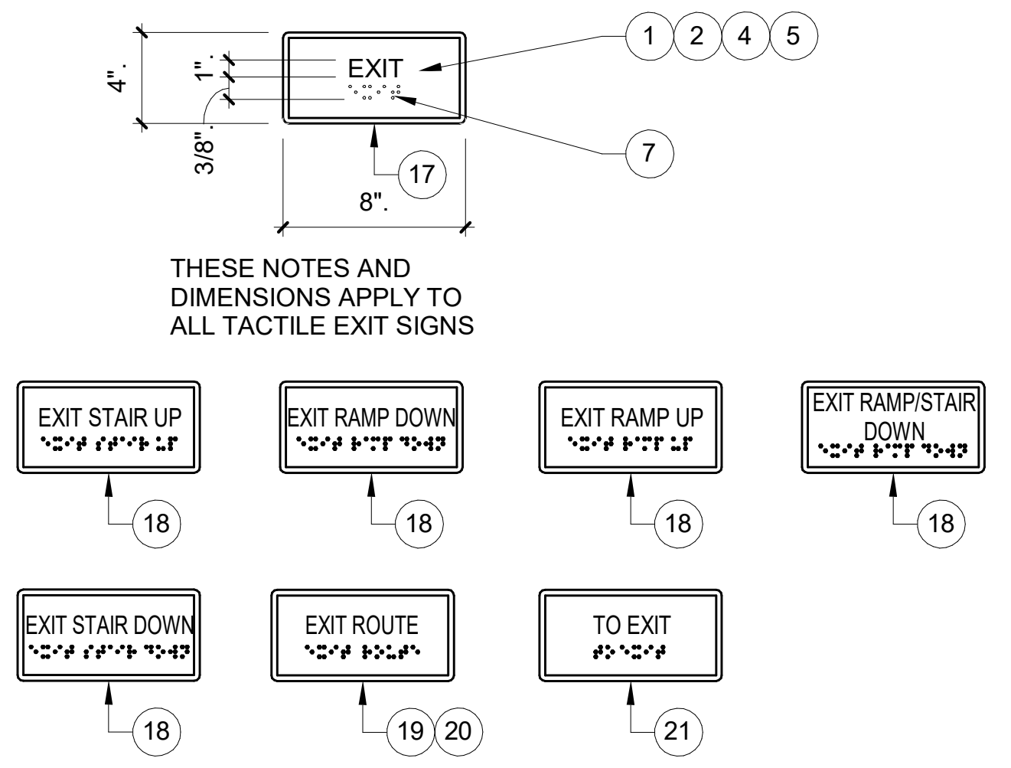

EXTERIOR FINISH WHERE OCCURS SEE EXTERIOR ELEVATIONS
BACKING PER 6/S019, TYP.
CAST ALUMINUM BUILDING SIGNAGE, MAX WEIGHT 20 LBS - SEE SPECS 10 14 00
1/2" DIA. THREADED STUDS W/ NEOPRENE WASHER AND NUT @ 2'-0" O.C. MIN. TWO ROWS FOR EACH LINE OF LETTERS, TYP.
3/4" SPACER, TYP.
SEALANT
4" MAX.

BUILDING CAST ALUMINUM SIGNAGE 15
3" = 1'-0"

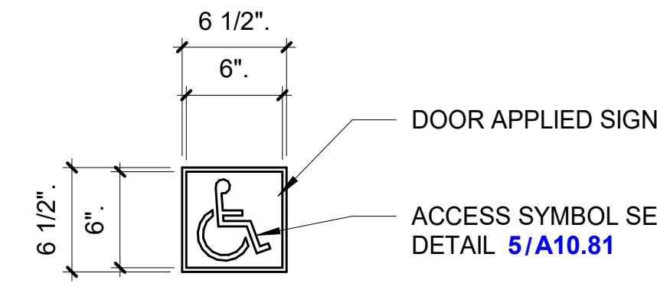

FASTEN SIGN TO DOOR WITH #8 SCREWS AND ANCHOR ONE AT EACH CORNER. (VANDAL RESISTANT)
FIRE ALARM PANEL INSIDE
10".
2".
EASED CORNER. TYP.
60" F.F.
SIGN TO BE CONTRASTING COLOR FROM DOOR COLOR.

NOTES:
1. SIGN MATERIAL SHALL BE 1/8" THICK ACRYLIC PLASTIC. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. COMPLY W/ ARTICLE 4.30 & A4.30 OF ADAAG., SEE SPEC. SECTION 10 14 00.
2. SEE FLOOR PLANS FOR LOCATIONS
3. CHARACTER/TEXT ON SIGN SHALL CONTRAST WITH THEIR BACKGROUND.

FIRE ALARM PANEL INSIDE SIGN 14
3" = 1'-0"

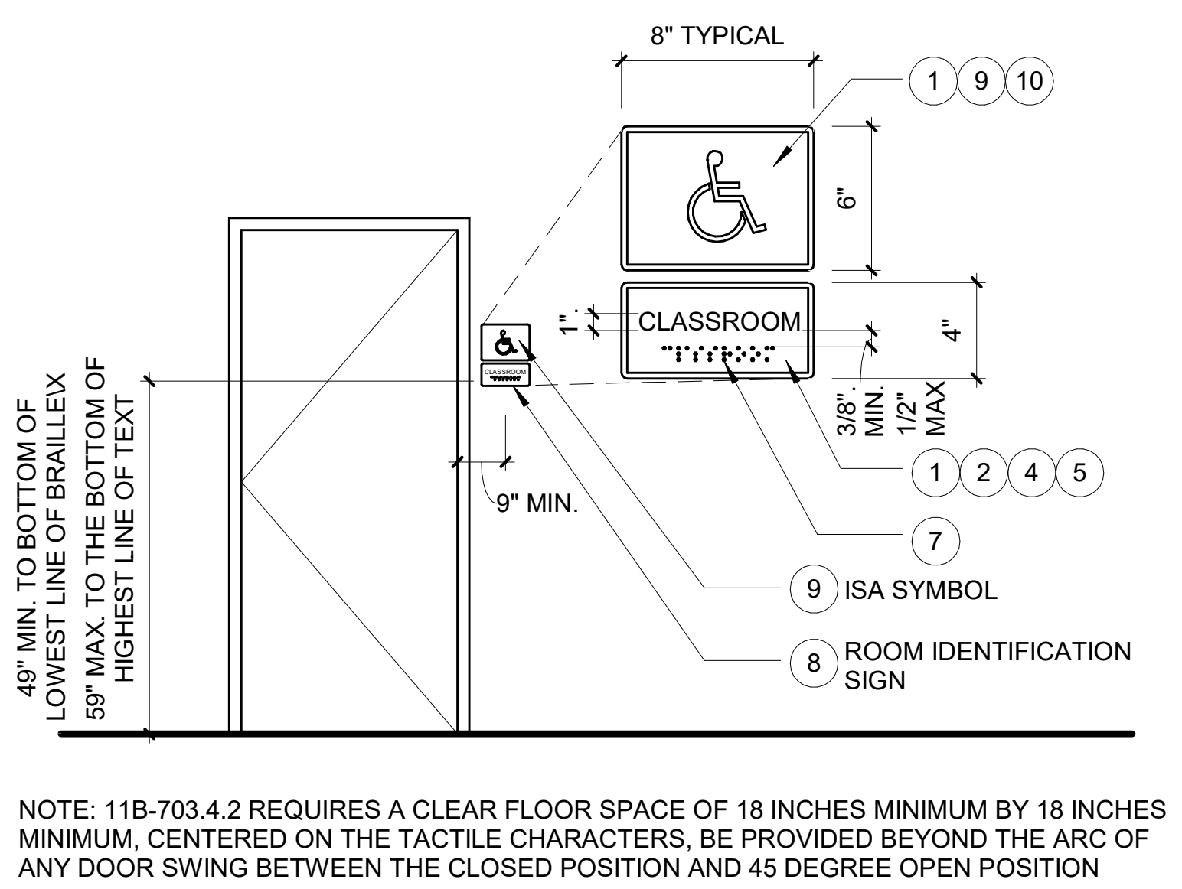


TACTILE EXIT SIGNAGE 13
NTS



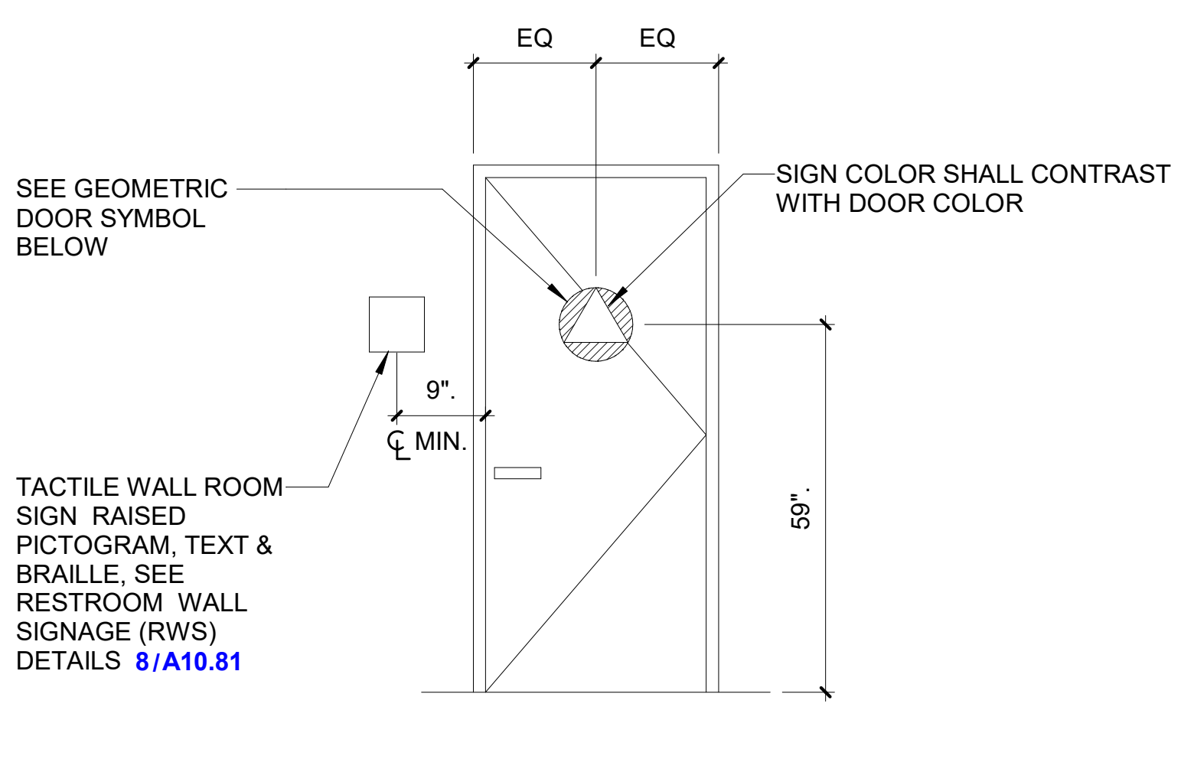
NOTES:
1. AT GLASS ENTRY DOORS, INSTALL ONE SIGN ON OUTSIDE OF GLASS WALL ON LATCH SIDE OF DOOR AND APPLY ANOTHER SIGN ON INSIDE BACK TO BACK. IN CASE OF PAIR OF GLASS DOOR, INSTALL TOTAL OF FOUR SIGNS.
2. DIRECTIONAL SIGN TO BE MOUNTED ON 1 1/2 " DIA. GALV. STL. PIPE. DRIVE PIPE 3'-0" MIN. INTO GROUND W/ TOP OF SIGN LOCATED 5'-0" ABOVE FIN. GROUND.
3. WHERE SIGNAGE IS INSTALLED ON GLASS PROVIDE BLANK SIGNAGE ON OPPOSITE SIDE BEING EQUAL SIZE AND COLOR TO MASK ADHESIVE.

ACCESSIBILITY SYMBOL 12
NTS

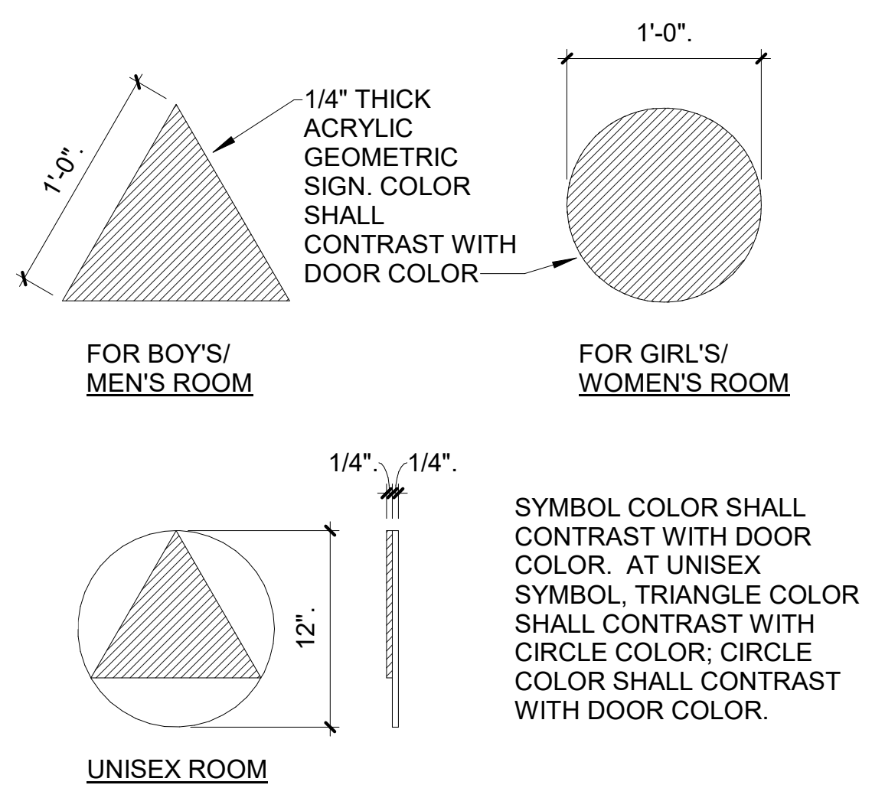

8" TYPICAL
1 9 10
6"
CLASSROOM
1".
4"
3/8" MIN.
1/2" MAX
1 2 4 5
7
9 ISA SYMBOL
8 ROOM IDENTIFICATION SIGN
9" MIN.
49" MIN. TO BOTTOM OF LOWEST LINE OF BRAILLEX
59" MAX. TO THE BOTTOM OF HIGHEST LINE OF TEXT

NOTE: 11B-703.4.2 REQUIRES A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, BE PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION

TACTILE ROOM IDENTIFICATION 11
NTS


EQ
EQ
SEE GEOMETRIC DOOR SYMBOL BELOW
SIGN COLOR SHALL CONTRAST WITH DOOR COLOR
9".
℄ MIN.
59".
TACTILE WALL ROOM SIGN RAISED PICTOGRAM, TEXT & BRAILLE, SEE RESTROOM WALL SIGNAGE (RWS) DETAILS 8/A10.81

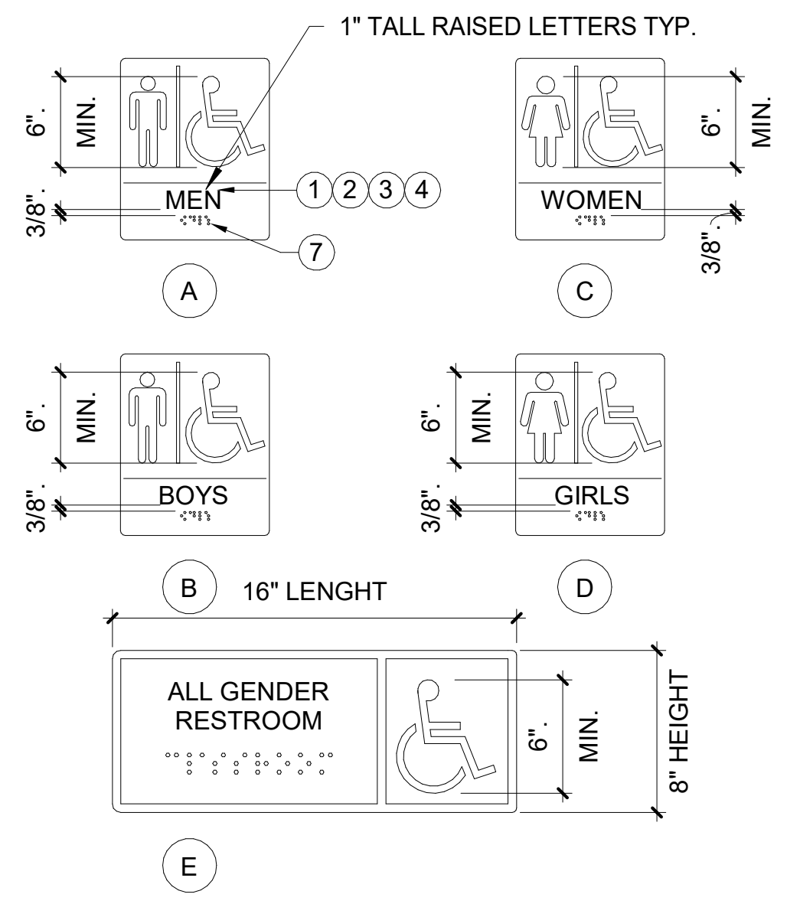
ELEVATION @ RESTROOM DOOR


1'-0".
1/4" THICK ACRYLIC GEOMETRIC SIGN. COLOR SHALL CONTRAST WITH DOOR COLOR
1'-0".
FOR BOY'S/ MEN'S ROOM
FOR GIRL'S/ WOMEN'S ROOM
1/4".
1/4".
12".
SYMBOL COLOR SHALL CONTRAST WITH DOOR COLOR. AT UNISEX SYMBOL, TRIANGLE COLOR SHALL CONTRAST WITH CIRCLE COLOR; CIRCLE COLOR SHALL CONTRAST WITH DOOR COLOR.
UNISEX ROOM

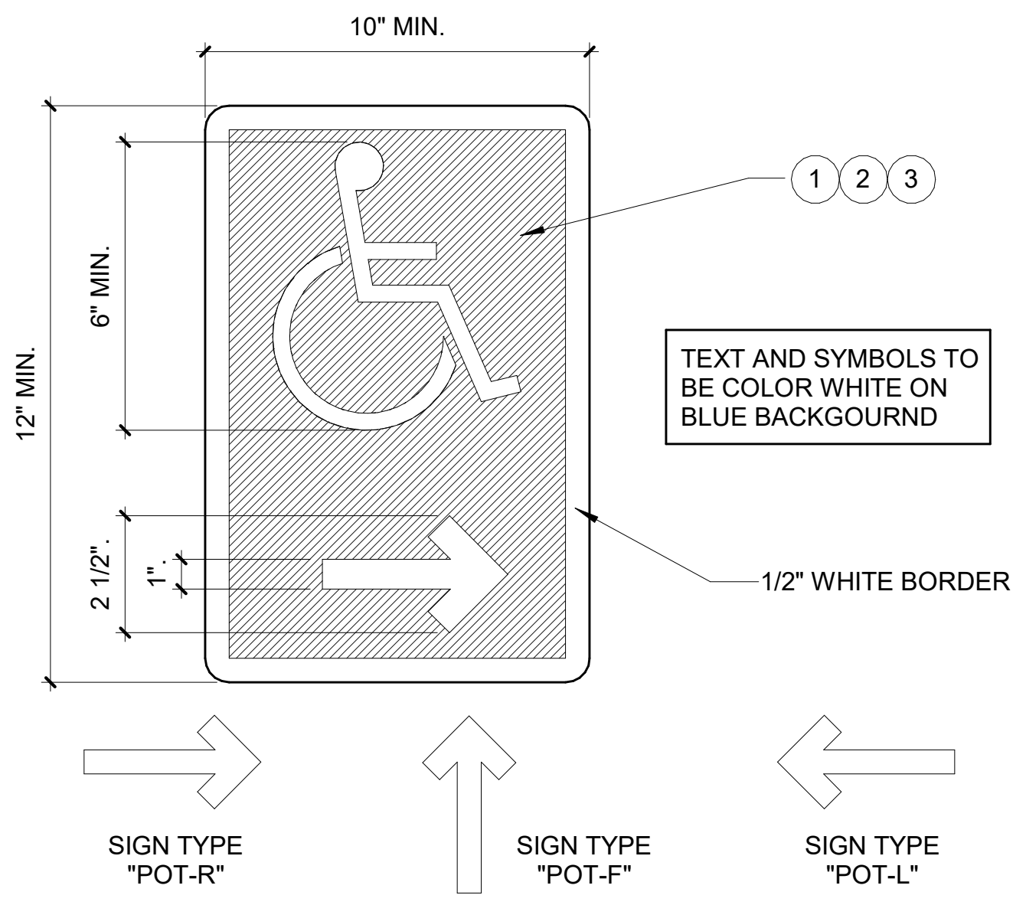
RESTROOM DOOR SIGN - RDS

NOTE:
THERE SHALL BE SIGNS ON BOTH SIDES OF RESTROOMS DOORS OF BOY'S AND GIRL'S RESTROOMS FOR ELEMENTARY SCHOOLS

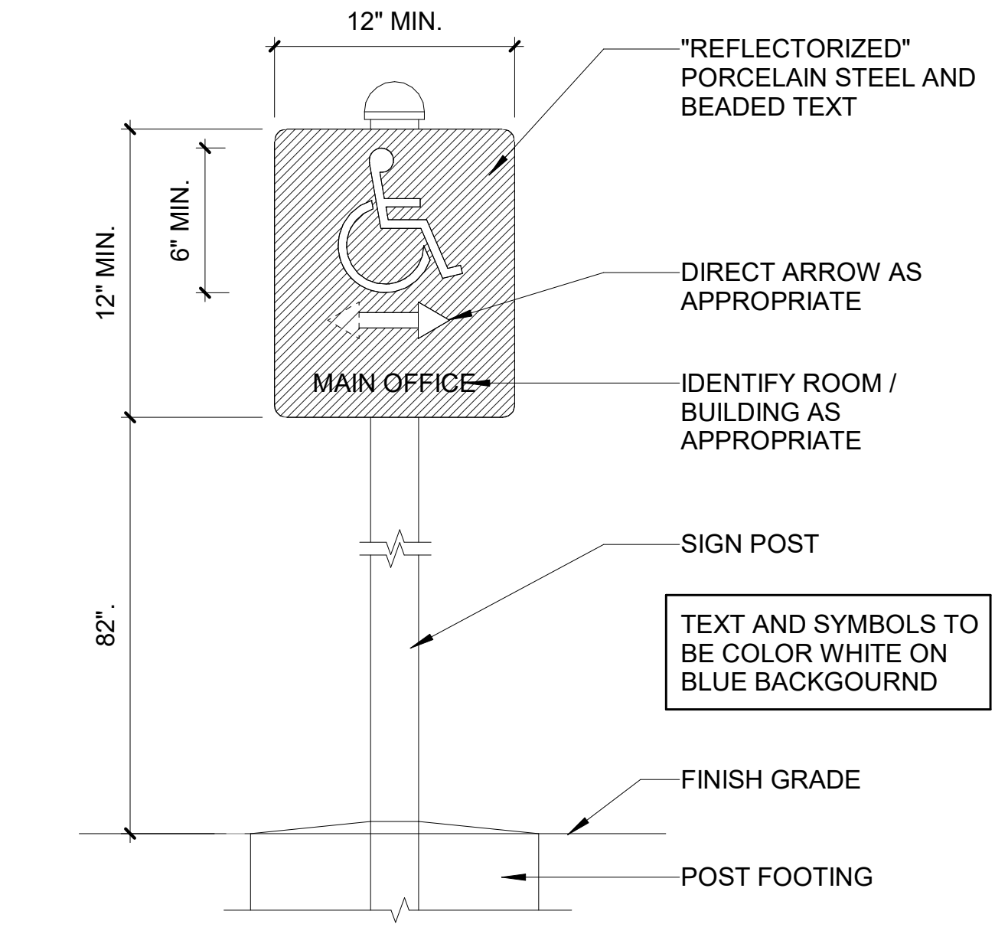
RESTROOM DOOR SIGN 9
NTS



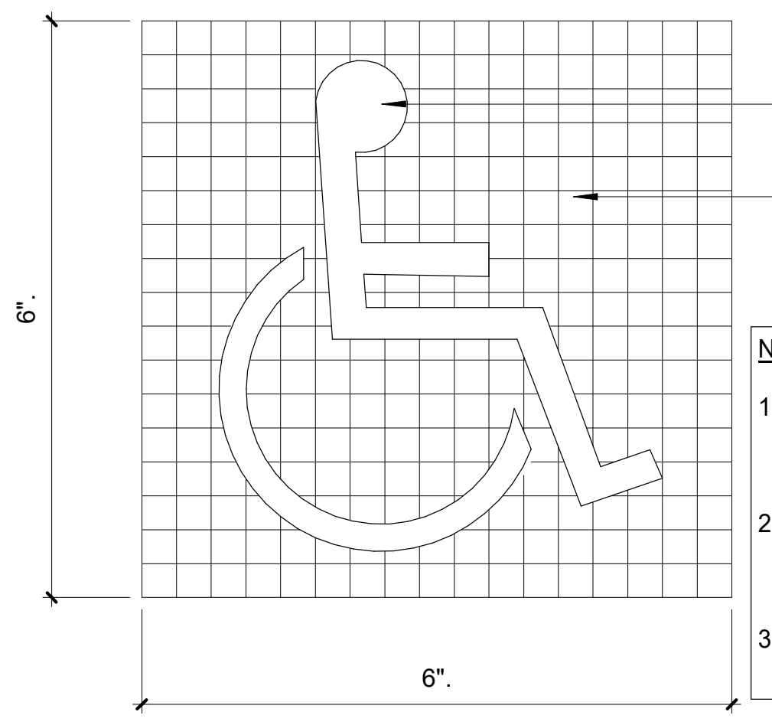
RESTROOM WALL SIGN 8
3" = 1'-0"



DIRECTIONAL SIGN 7
3" = 1'-0"

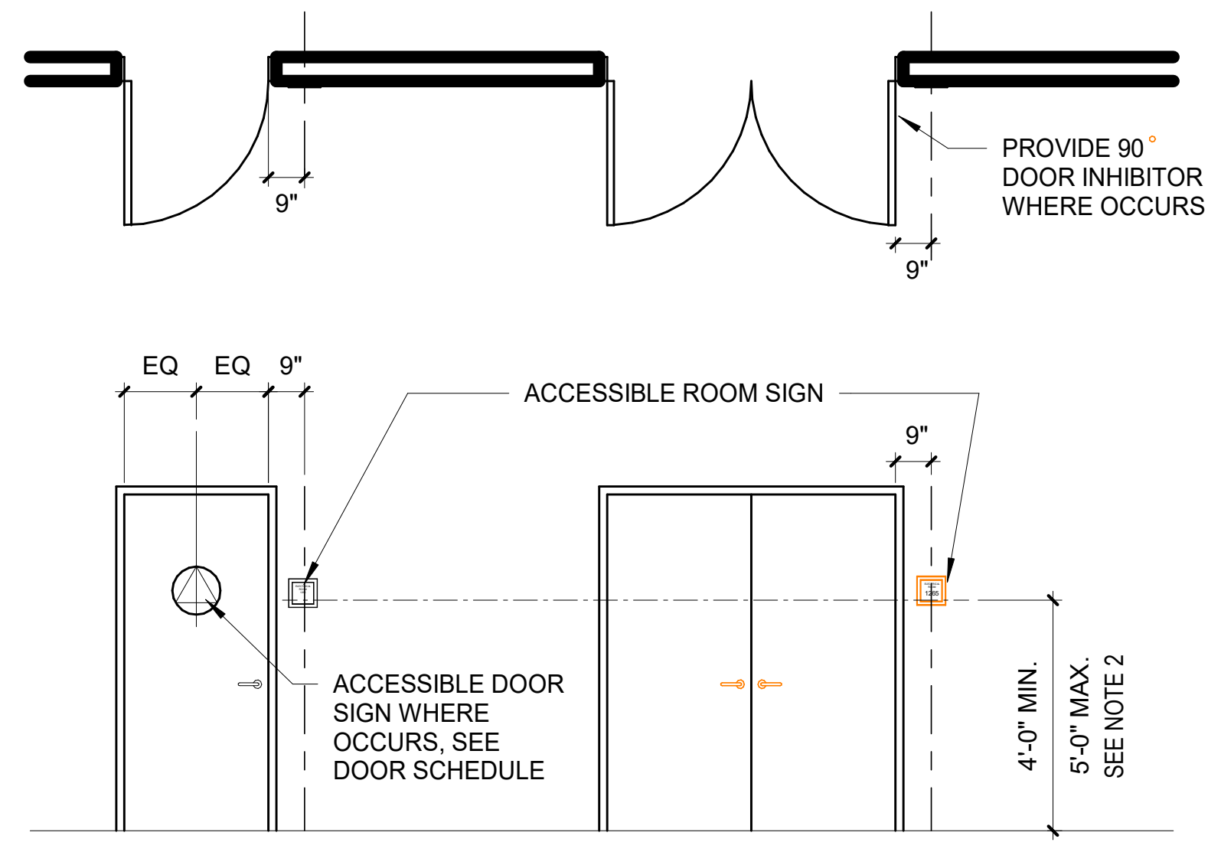

12" MIN.
"REFLECTORIZED" PORCELAIN STEEL AND BEADED TEXT
12" MIN.
6" MIN.
DIRECT ARROW AS APPROPRIATE
MAIN OFFICE
IDENTIFY ROOM / BUILDING AS APPROPRIATE
SIGN POST
82".
TEXT AND SYMBOLS TO BE COLOR WHITE ON BLUE BACKGOURND
FINISH GRADE
POST FOOTING

10 DIRECTIONAL SIGN WITH BASE 6
3" = 1'-0"


6".
6".
WHITE EMBLEM
BLUE FIELD COLOR SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595C.

NOTES
1. GRID LINES ARE SHOWN FOR PROPORTION ONLY AND ARE NOT TO APPEAR AS PART OF SYMBOL.
2. SIGNAGE SHALL COMPLY WITH SECTION 11B-703.7.2.1 CALIFORNIA BUILDING CODE.
3. PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1.

ACCESSIBILITY SIGN 5
NTS


9"
9"
PROVIDE 90° DOOR INHIBITOR WHERE OCCURS
EQ
EQ
9"
ACCESSIBLE ROOM SIGN
9"
ACCESSIBLE DOOR SIGN WHERE OCCURS, SEE DOOR SCHEDULE
4'-0" MIN.
5'-0" MAX. SEE NOTE 2

TACTILE SIGN NOTES (CBC 11B-703.2, 703.3, 703.4, 703.5:

1. TACTILE SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF THE SINGLE DOOR , INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT (CBC 11B-703.4.2).

2. SIGNS WITH RAISED CHARACTERS AND BRAILLE SHALL BE MOUNTED 49" MIN. ABOVE F.F., MEASURED FROM THE BASELINE OF THE LOWEST LINE OF BRAILLE AND 59" MAX. ABOVE F.F., MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS (CBC 11B-703.4.1).

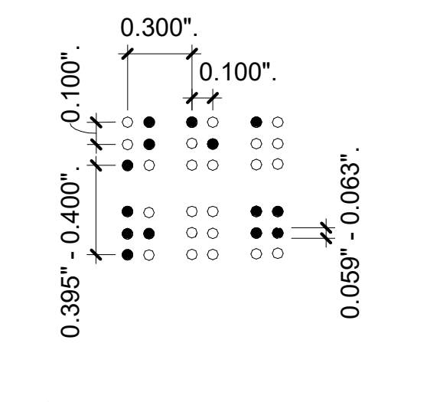
3. RESTROOM DOOR TACTILE SIGNS SHALL BE INSTALLED CENTERED ON THE DOOR. MOUNTING HEIGHT SHALL BE 60" ABOVE THE F.F. TO THE CENTERLINE OF THE SIGN. THE COLOR AND CONTRAST OF THE SIGN SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.

4. SIGNS AND IDENTIFICATION SHALL BE FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY THE ENFORCING AGENCY PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY PER APPENDIX CHAPTER 1, SECTION 110.2, OR FINAL APPROVAL WHERE NO CERTIFICATE OF OCCUPANCY IS ISSUED. THE INSPECTION SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFICATION THAT BRAILLE DOTS AND CELLS ARE PROPERLY SPACED AND THE SIZE, PROPORTION AND TYPE OF RAISED CHARACTERS ARE IN COMPLIANCE WITH THESE REGULATIONS (CBC 11B-703.3).

5. FINISH AND CONTRAST (CBC 11B-703.2): CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NONGLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.

6. PROPORTIONS (CBC 11B-703.2.4): VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "***O***" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "***I***". STROKE THICKNESS OF THE UPPERCASE LETTER "***I***" SHALL BE 15 PERCENT MAXIMUM THE HEIGHT OF THE CHARACTER.

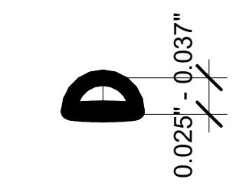
TYP. ROOM AND DOOR TACTILE 3
NTS



A FIGURE 11B-703.3.1
BRAILLE MEASUREMENT

CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED INDIVIDUAL BRAILLE DOTS SHALL EACH BE DISTINCT AND BE ROUNDED OR DOMED IN LIEU OF SQUARE SIDED AND FLAT TOPPED.

BRAILLE CELL DOT



DOMED OR ROUNDED DOT (ACCEPTIBLE)
SQUARE DOT (IS NOT ACCEPTIBLE)

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" (0.794 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE 5 BELOW).

2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9 mm) AND A MAXIMUM OF 2 INCHES (51 mm) HIGH, BASED ON THE LETTER "I". REFER TO **11B-703.5.5**

3. FINISH AND CONTRAST: CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND **11B-703.5.1**

4. PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE "I". **11B-703.5.4**

5. BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE RAISED A MINIMUM OF 0.025 INCHE TO A MAXIMUM OF 0.037 INCH ABOVE THE BACKGROUND. (SEE **CBC 11B-703.3.1** FOR MORE INFO).

RECOMMEND ROUNDED OR DOMED CALIFORNIA BRAILLE DOTS, EACH DISTINCT AND SEPERATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

RAISED CHARACTER & BRAILLE STANDARDS -TACTILE SIGNAGE (TITLE 24) 1
NTS

AGENCY APPROVAL:

DSA Application # : 03-125443
DSA File # : 19-63

HMC Architects

3361-008-000

633 W 5th St, Los Angeles, CA 90071
213 542 8300 / www.hmcarchitects.com

ISSUE

Δ	DESCRIPTION	DATE
	ADDENDUM 01	09.18.2026

KEYNOTES

FACILITY:

4921 Cedar Ave
El Monte, CA 91732

PROJECT:

EMUSD ARROYO HS - INTERIM HOUSING (3 YEARS MAX.)

SHEET NAME:

SIGNAGE DETAILS

ADDENDUM

DATE: **7/23/2026**
CLIENT PROJ NO: **3361-008-101**

SHEET:

△ **A10.81**

PLEASE RECYCLE

Autodesk Docs://3361008101 EMUSD Arroyo Portable Bldgs Interim Housing R26/3361008101-A-SITE.rvt
9/18/2026 12:44:39 PM

EL MONTE USD - ARROYO HS

STKP# 255
(1) 48X40 R.H & L.H.
SN: 10-601-514 A/B/C/D

(1) 48X40 R.H. & L.H.
SN: 10-601-515 A/B/C/D

American Modular Systems Inc.

STOCKPILE 255

STOCKPILE FOR 1–24'x40', 1–36x40 AND 10–48'x40'
RELOCATABLE BUILDINGS
WILLIAMS SCOTSMAN, INC.

S/N:
10-601-514A / B / C / D
10-601-515A / B / C / D

EXPOSED – STEEL

MODULAR STEEL MOMENT FRAME TEST & INSPECTION GUIDELINE

A SEPARATE TEST AND INSPECTION LIST IS TO BE SUBMITTED AS PART OF THE APPROVAL PROCESS.
THIS GUIDE DOES NOT REPLACE THE TEST AND INSPECTION LIST

TYPE OF MODULAR STEEL MOMENT FRAME BUILDING PROJECT
(X - INDICATES TEST OR INSPECTION TO BE DONE)

TESTS and INSPECTIONS			STOCKPILE		CONSTRUCTION OF (diaphragm material-foundation material)			RELOCATION OF CERTIFIED BUILDING	
MATERIAL TYPE		DESCRIPTION	Wood Floor Only	Concrete Floors	Plywood Floor Only - Wood Foundation	Plywood Floor - Concrete Foundation	Concrete Floor - Concrete Foundation	Wood Foundation	Concrete Foundation
COMPACTED FILL (Two Story Relocatable)	By Geotech	Fill Materials				X	X		X
		Proper fill materials, lift thickness, placement and compaction during placement. Continuous				X	X		X
		Compaction test only as ordered				X	X		X
CONCRETE	LT WT FILL OVER DECK (Two-story)	Mix Design		X			X		
		Waiver of Batch Plant Inspection **See Note 1** for conditions and requirements		X			X		
		Inspect Placing over Steel Deck - by RBIP		X			X		
		Slump Test; determine Temperature of Concrete See **Note 2** for additional test		X			X		
		Compression Tests		X			X		
	FOUNDATION	Mix Design				X	X		X
		Waiver of Batch Plant Inspection See **Note 1** for conditions and requirements				X	X		X
		Inspect Placing - by Project Inspector				X	X		X
		Slump Test; determine Temperature of Concrete See **Note 2** for additional test				X	X		X
		Compression Tests				X	X		X
REINFORCING STEEL		Sample and Test Bar Steel - #5 & Larger				X	X		X
		Inspect Placing at Project Site - by Project Inspector				X	X		X
STRUCTURAL STEEL		Mfr. Certified Mill Test Reports	X	X	X	X	X		
		Shop Fabrication	X	X	X	X	X		
		Inspection of Welds - Shop	X	X	X	X	X		
		Inspection of Welds - Field See **Note 3**			X	X	X	X	X
		Sample and Test all Unidentified Structural Steel and Steel Deck	X	X	X	X	X		
		Examine seam welds of structural tubes and pipes	X	X	X	X	X		
GROUNDING		Electrical grounding			X	X	X	X	X
SHOT PINS		Ceiling wire hangers	X	X	X	X	X		
EXPANSION ANCHORS		See **Note 4**				X	X		X
EPOXY ANCHORS		See **Note 4**				X	X		X
INSPECTOR CLASS (minimum requirements)			RBIP or Class 1		In Plant: RBIP or Class 1 Site: Class 4 for Single Story Site: Class 2 for Two-Story			Class 4 for Single Story Class 2 for Two-Story	
SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY			By the Owner and approved by DSA, A/E of Record and Structural Engineer		By the School District and approved by DSA, A/E of Record and Structural Engineer				
COST OF THE PROJECT INSPECTOR (CA Admin Code 4-333(b) AND TESTING AGENCY (CA Admin Code 4-335)			By the Owner		By the School District				
COPIES OF THE REPORT TO:			DSA (Original) I.O.R./ P.I Manufacturer Arch/SE noted on DSA-1		Architect School District I.O.R./ P.I		Structural Engineer DSA (Original) Manufacturer		

ITEMS IN RED FONT COLOR ARE USER NOTES AND INDICATE ITEMS THAT NEED TO BE VERIFIED FOR EACH SPECIFIC PC.
THE NOTES IN RED ABOVE AND BELOW ARE TO BE REMOVED PRIOR TO PLACING THE GUIDELINE ON THE DRAWINGS

Note 1:
Verify that Either Condition a or b are met:
- a) Concrete Plant complies fully with ASTM C94, Section 8 and 9, and has a current certification indicating the plant has automatic batching and recording capabilities from the National Ready Mixed Concrete Association
- b) Compressive strength: 3500 psi Specified - 2500 psi Design

Requirements c thru f are met:
- c) Inspector to check first batching at start of work and furnish mix proportions to licensed weighmaster
- d) Licensed Weighmaster to positively identify materials as to quantity and certify each load by a ticket
- e) Tickets transmitted to Inspector of Record
- f) Submit Weighmaster Affidavit

Note 2: Air Content Test as required based on site location (for cold weather conditions)
Note 3: Required where the details of the PC specify a Welding
Note 4: Required where the details of the PC specify the use of this type of anchor

BUILDING DATA

OCCUPANCY	E/B
TYPE OF CONSTRUCTION	VB–RATED
WIND LOAD	V= 85 MPH EXPOSURE = C I = 1.00 K_{zt} = 1.00 λ = 1.21
FLOOR LIVE LOAD	50 LBS.+ 15 LBS./SQ. FT.
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
FIRE SPRINKLER SYSTEM WEIGHT (PSF)	1.5
ALLOWABLE SOIL PRESSURE (PSF)	1,000 FOR WOOD
FLOOD HAZARD AREA	NO
BUILDING AREA	960 MIN – 5,760 MAX SQ FT
CLIMATE ZONES	1–16
MODULES	MOMENT–RESISTANT
SYSTEM	12' x 40' MODULES
FOUNDATION TYPE	WOOD
SEISMIC	$S_S = 1.5$ $S_1 = 0.000$ $F_a = 1.0$ $F_v = 0.0$ $S_{DS} = 1.000$ $S_{D1} = 0.000$ I = 1.00 R = 3.50 $\Omega_0 = 3.00$ $C_d = 3.000$ T = 0.190 Site Class = D Seismic design category = D

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2008
2007 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2007 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2006 INTERNATIONAL BUILDING CODE VOLUMES 1–3 AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2005 NATIONAL ELECTRICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2006 UNIFORM MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2006 UNIFORM PLUMBING CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2004 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1–2004)
2007 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2006 INTERNATIONAL FIRE CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
(2006 INTERNATIONAL EXISTING BUILDING CODE AND 2007 CALIFORNIA AMENDMENTS)
2007 CALIFORNIA "GREEN" BUILDING REQUIREMENTS, PART 11, TITLE 24 C.C.R. (PENDING ADOPTION)
2007 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	Automatic Sprinkler Systems	2002 Edition
NFPA 14	Standpipe Systems	2003 Edition
NFPA 17	Dry Chemical Extinguishing Systems	2002 Edition
NFPA 17a	Wet Chemical Systems	2002 Edition
NFPA 20	Stationary Pumps	2003 Edition
NFPA 24	Private Fire Mains	2002 Edition
NFPA 72	National Fire Alarm Code (California Amended) (Note See UL, Standard 1971 for "Visual Devices")	2002 Edition
NFPA 253	Critical Radiant Flux of Floor Covering Systems	2006 Edition
NFPA 2001	Clean Agent Fire Extinguishing Systems	2004 Edition
ASME 17.1	Elevator Standard	2004 Edition

Reference code sections for applicable Standards – 2007 CBC Chapter 35 and 2007 CFC Chapter 45.

GENERAL NOTES

1. PC BUILDING CLASSIFED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CAN NOT BE REVIEWED OVER THE COUNTER (OTC).
2. PC BUILDING APPROVED ONLY FOR OCCUPANCY E OR B, OR A CATEGORY I & II WITH OCCUPANT LOAD LESS THAN 300.
3. PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
4. PC BUILDING LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A.
5. SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED BUT NOT INCLUDED IN THIS PC APPROVAL.

DRAWING INDEX

T–S	COVER SHEET
~~A1~~	~~TYPICAL FLOOR PLAN~~
~~A1.1~~	~~TYPICAL FLOOR PLAN~~
~~A1.2~~	~~TYPICAL FLOOR PLAN~~
A1.3	TYPICAL FLOOR PLAN
A1.4	TYPICAL FLOOR PLAN
~~A1.5~~	~~TYPICAL FLOOR PLAN~~
~~A1.6~~	~~TYPICAL FLOOR PLAN~~
~~A3~~	~~TYPICAL INTERIOR ELEVATIONS~~
A3.1	TYPICAL INTERIOR ELEVATIONS
~~A3.2~~	~~TYPICAL INTERIOR ELEVATIONS~~
~~A7~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.1~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.2~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.3~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.4~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.5~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.6~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.7~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.8~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.9~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.10~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
~~A7.11~~	~~TYPICAL EXTERIOR ELEVATIONS (T1–11 SIDING OPTION)~~
A7A	ARCHITECTURAL T1–11 SIDING DETAILS
AD	ACCESSIBLE DETAILS
N1	GENERAL NOTES
N2	GENERAL NOTES
~~P1~~	~~ISOMETRIC PLANS & DETAILS~~
P1.1	ISOMETRIC PLANS & DETAILS
P1.2	ISOMETRIC PLANS & DETAILS
P1.3	ISOMETRIC PLAN
~~M1~~	~~TYPICAL REFLECTED CEILING PLAN~~
~~M1.1~~	~~TYPICAL REFLECTED CEILING PLAN~~
M1.3	TYPICAL REFLECTED CEILING PLAN
~~M1.3~~	~~TYPICAL REFLECTED CEILING PLAN~~
~~M1.4~~	~~TYPICAL REFLECTED CEILING PLAN~~
M1.5	TYPICAL REFLECTED CEILING PLAN
M1.6	PACKAGED AIR CONDITIONING UNITS
M2	MECHANICAL BUILDING SECTIONS/PLAN
M3	CEILING & MECHANICAL NOTES
~~E1~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.1~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.2~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.3~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.4~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.5~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.6~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.7~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.8~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.9~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.10~~	~~TYPICAL ELECTRICAL PLAN~~
~~E1.11~~	~~TYPICAL ELECTRICAL PLAN~~
E2	ELECTRICAL NOTES & DETAILS
E2.1	ELECTRICAL NOTES & DETAILS
E2.2	ELECTRICAL NOTES & DETAILS
E2.3	ELECTRICAL NOTES & DETAILS
E2.4	ELECTRICAL NOTES & DETAILS
~~S1F~~	~~WOOD FOUNDATION PLAN, NOTES AND DETAILS 50 P.S.F LIVE LOAD+15 P.S.F PART. LOAD FLOOR – PLYWOOD FLOOR~~
S2	FLOOR FRAMING PLAN & DETAILS (PLYWOOD OPTION)
S3	ROOF FRAMING PLAN & DETAILS (OPEN SOFFIT OPTION)
S3.1	ROOF FRAMING DETAILS
S3A	ROOF FRAMING PLAN & DETAILS (ENCLOSED SOFFIT OPTION)
S4	MOMENT RESISTANT FRAME ELEVATIONS
S4A	FRAME CONNECTION DETAILS
S5	WALL FRAMING ELEVATIONS
S5A	WALL FRAMING DETAILS
S7	TYPICAL LONGITUDINAL AND TRANSVERSE FRAME ELEVATION

ALT-01 - ALTERATION TO STOCKPILE PLANS
ALT-02 - ALTERATION TO STOCKPILE DETAILS
ALT-03 - ALTERATION TO STOCKPILE INTERIOR ELEVATION

SR0 - MODULE PLAN AND NOTES
SR1 - RAMP AND LANDING PLAN
SR2 - RAMP AND LANDING FRAMING
SR3 - FOUNDATION PLAN
SR4 - RAMP AND LANDING / STAIR FRAMING
SR5 - RAMP DETAILS
SR6 - RAMP DETAILS
F1.10 - WOOD FOUNDATION NOTES
F1.13 WOOD FOUNDATION PLAN 48X40 BLDG W/ 50+ 15
F1.40 - WOOD FOUNDATION DETAILS

ADDITIONAL REQUIREMENTS BASED ON BUILDING USE AND LOCATION ON PROPERTY MAY APPLY AND WILL BE REVIEWED ON A SITE SPECIFIC BASIS.

AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED IN ALL "E" OCCUPANCY SCIENCE LABS. PER CBC TABLE 508.2

COMBINED USE & STORAGE OF HAZARDOUS MATERIAL SHALL NOT EXCEED THE MAXIMUM ALLOWABLE QUANTITIES SPECIFIED PER CBC TABLES 307.1(1) AND 307.1 (2)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS FLS PF SS
DATE MAY 09 2013
FLS: R. FERRER
ACS: R. MULLEN
SSS: G. CHAN

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR	DATE
American Modular Systems Inc. 787 Spreckels Ave. Manteca, CA 95336 (209)825-1921 Fax (209)825-7018 americanmodular.com	

BASED ON PC# 02-109635

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/17/10
SCALE: NOTED
DRAWN BY: MP
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE

24' x 40' AND 48' x 40' (ES) RELOCATABLE BUILDINGS
COVER SHEET

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

LICENSED ARCHITECT RANDALL PATRICK CAVANAGH No. C12631 Ren. STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWDER No. 2310 Exp. 3-31-11 STRUCTURAL STATE OF CALIFORNIA

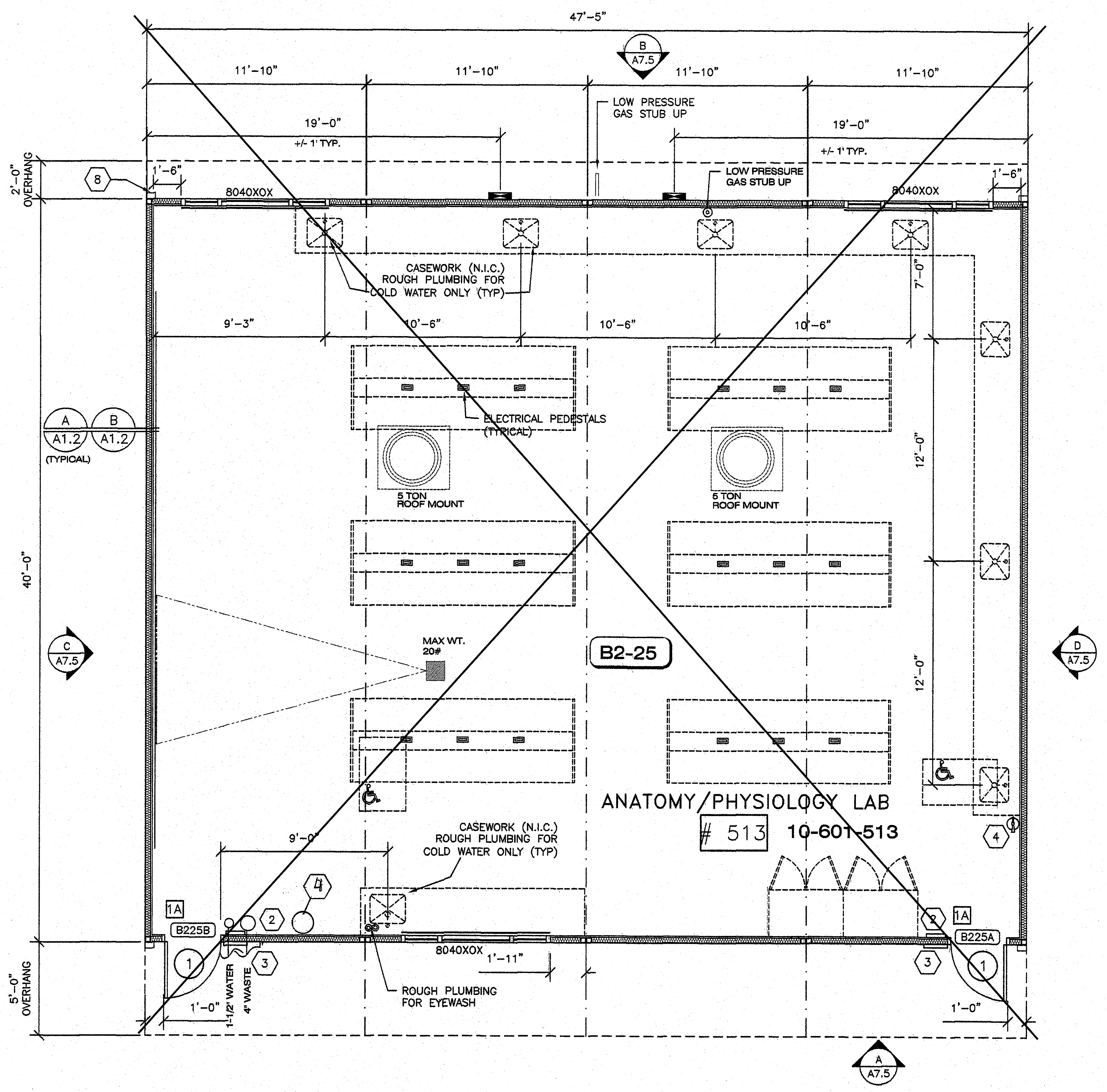
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02–111652
AC. FLS. SS.
DATE NOV 1 8 2010

PROJECT No.

T-S

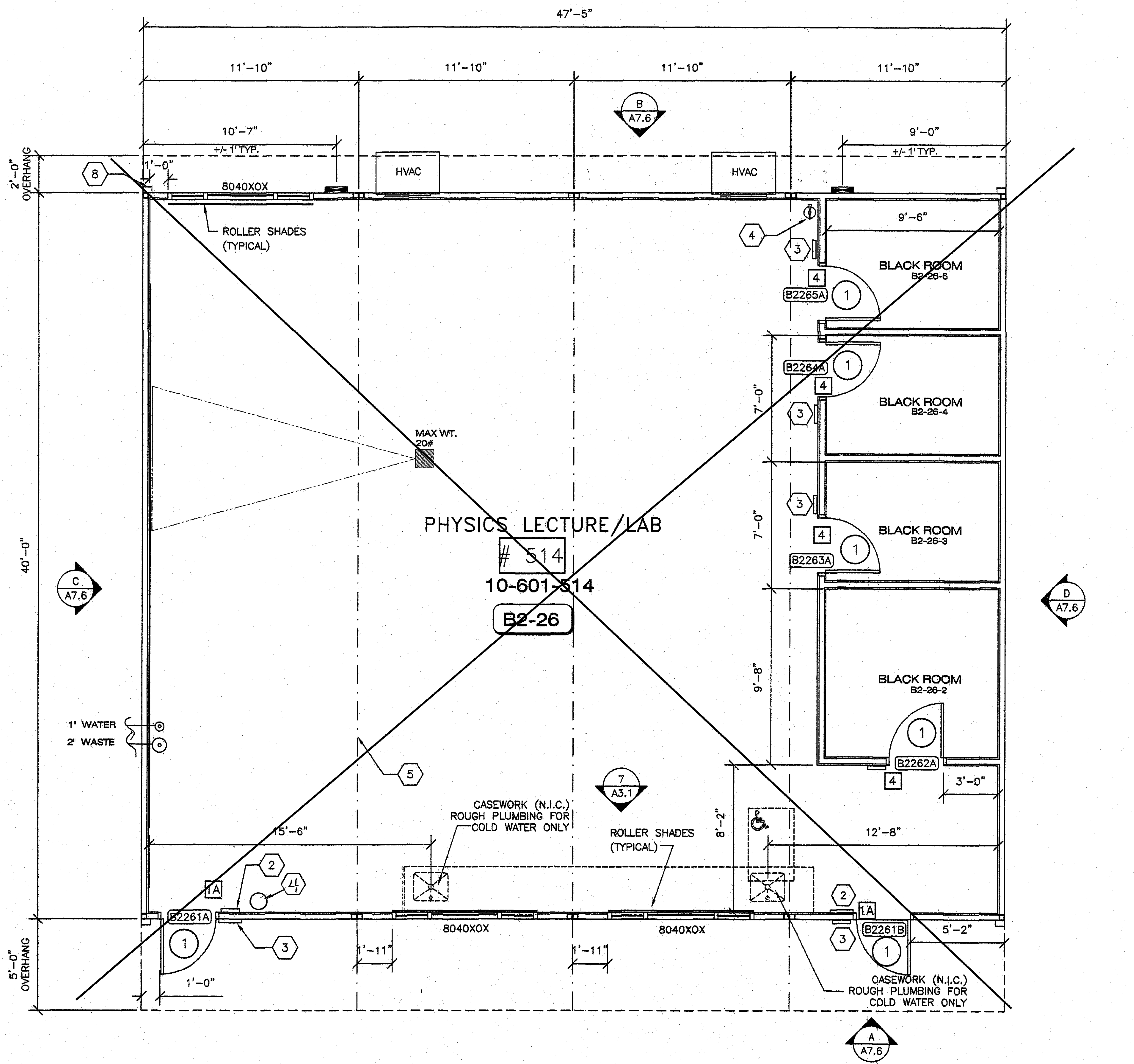
ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.



1 A1.3 ANATOMY/PHYSIOLOGY LAB FLOOR PLAN #513

1/4"=1'-0"



2 A1.3 PHYSICS LECTURE/LAB FLOOR PLAN #514

1/4"=1'-0"

SEE ALT -01
SHEET FOR
CONFIGURATION

- SHEET NOTES -

1	(2) 8'x4' MARKER BOARDS
2	EXIT TACTILE SIGN PER DETAIL 10/AD (BY OWNER)
3	CLASSROOM ID & ISA PER DETAIL PER DETAIL 5 & 9/AD
4	FIRE EXTINGUISHER TOP OF BRACKET @ +48" A.F.F.
5	TYP MOD LINE
6	HVAC UNIT (LOCATION MAY VARY)
7	ELECTRICAL PANEL (LOCATION MAY VARY)
8	DOWNSPOUT (QUANITY & LOCATION MAY VARY)
9	CARPET
10	FLOOR LIVE LOAD SIGN PER 1603A.3 2007 CBC
11	OPTIONAL TYPICAL RAMP REFER TO SHEET S6R FOR DETAILS

- GENERAL NOTES -

1. REFER TO SHEETS A2 & A2.1 FOR ADDITIONAL FLOOR PLAN CONFIGURATIONS
2. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING REFER TO SHEET S5A FOR ATTACHMENTS.
3. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER CBC 1008.1.9
4. IF OCCUPANCY LOAD EXCEEDS 50 PROVIDE A SECOND EXIT DOOR PER CBC TABLE 1015.1
5. PROVIDE OCCUPANT LOAD SIGN (BY OWNER) CAPACITY POSTING PER CBC SECTION 1004.3 TITLE 19 C.C.R. SECTION 3.3.0. THIS ROOM SHALL BE POST WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM.

- BUILDING SIZE SCHEDULE -

BUILDING	40'-0" MODULES	OVERALL SIZE
~~24' x 40'~~	~~2~~	~~23'-8 1/4"~~
~~36' x 40'~~	~~3~~	~~35'-6 1/2"~~
48' x 40'	4	47'-4 3/4"
~~60' x 40'~~	~~5~~	~~59'-3"~~
~~72' x 40'~~	~~6~~	~~71'-1 1/4"~~
~~84' x 40'~~	~~7~~	~~82'-11 1/2"~~
~~96' x 40'~~	~~8~~	~~94'-9 3/4"~~
~~108' x 40'~~	~~9~~	~~106'-8"~~
~~120' x 40'~~	~~10~~	~~118'-6 1/4"~~
~~132' x 40'~~	~~11~~	~~130'-4 1/2"~~
~~144' x 40'~~	~~12~~	~~142'-2 3/4"~~

OCCUPANCY LOAD FACTOR

AREA	OCCUPANCY	SF/PERSON
1920 SF	LAB	50 NET

1920/50=39 PEOPLE

SYMBOL SCHEDULE

1	DOOR (STL: STEEL DOOR-HOLLOW CORE ALL DOORS (REFER TO SHEET A3)
X	DOOR HARDWARE TYPE REFER TO DOOR HARDWARE SCHEDULE ON SHEET A1
	WINDOW SIZE (REFER TO FLOOR PLAN)

COMBINED USE & STORAGE OF HAZARDOUS MATERIAL SHALL NOT EXCEED THE MAXIMUM ALLOWABLE QUANTITIES SPECIFIED PER CBC TABLES 307.1(1) AND 307.1 (2)

OCCUPANCY LOAD FACTOR

AREA	OCCUPANCY	SF/PERSON
1920 SF	LAB	50 NET

1920/50=39 PEOPLE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ⁄ FLS — SS
DATE MAY 09 2013

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
DATE

BASED ON PC# 02-109635

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/12/10
SCALE: NOTED
DRAWN BY: MP
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE CAREER

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
TYPICAL FLOOR PLAN

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

RANDALL PATRICK CAVANAGH No. C12631

JOHN H. LAWDER No. 2310

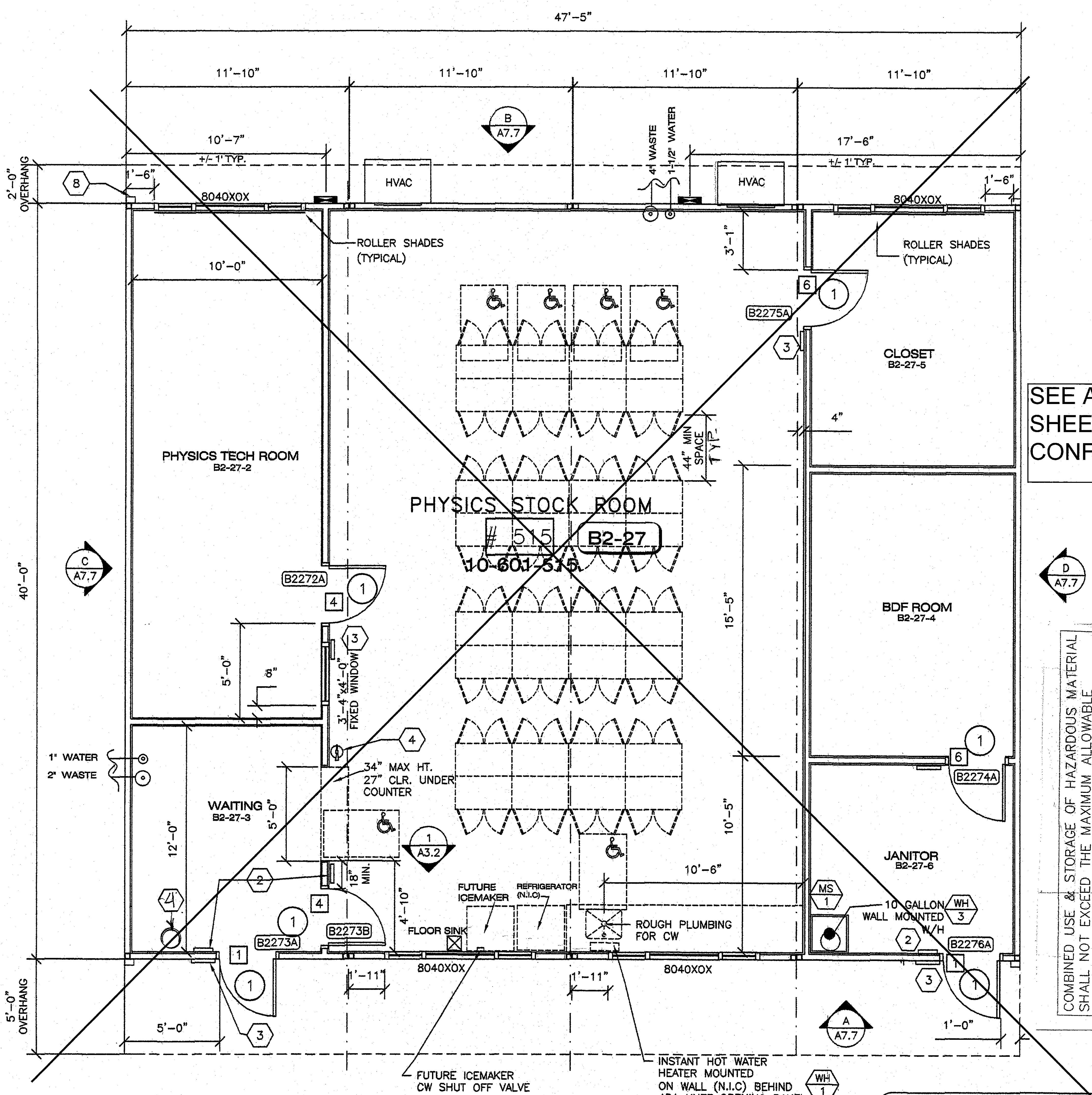
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-111652
AC FLS TH SS
DATE NOV 18 2010

PROJECT No.

A1.3

ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS.



SEE ALT -01
SHEET FOR
CONFIGURATION

COMBINED USE & STORAGE OF HAZARDOUS MATERIAL SHALL NOT EXCEED THE MAXIMUM ALLOWABLE QUANTITIES SPECIFIED PER CBC TABLES 307.1(1) AND 307.1 (2)

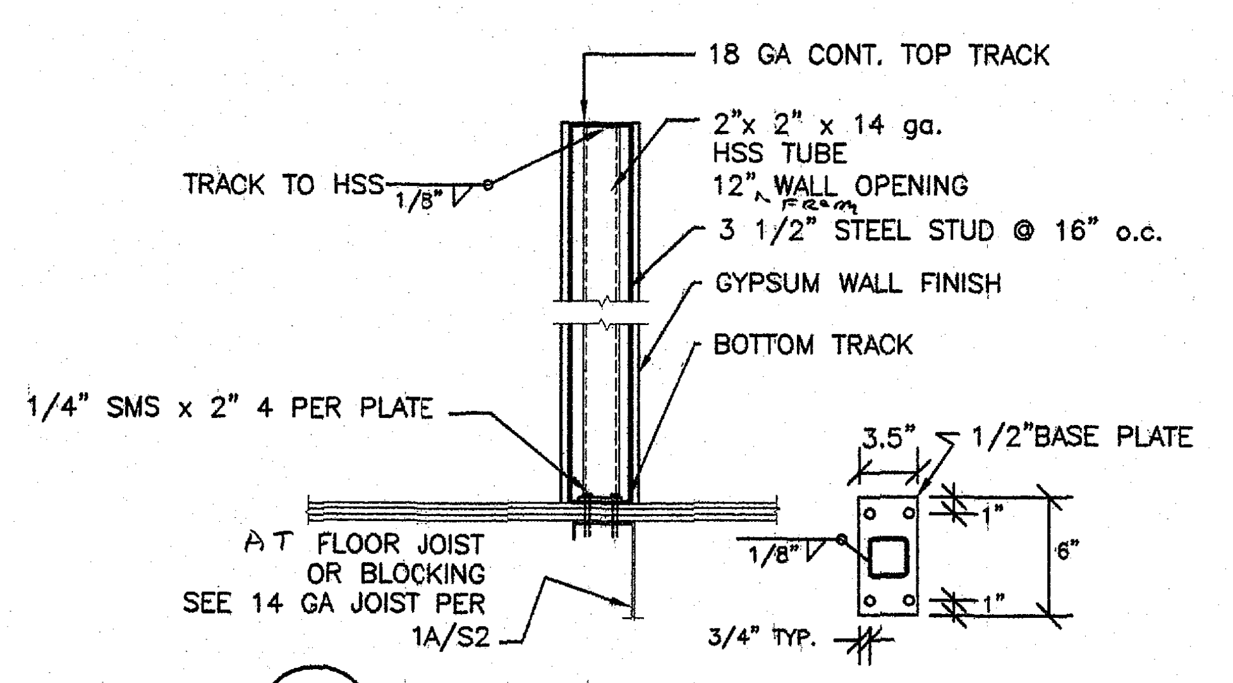
1/A1.4 PHYSICS STOCK ROOM FLOOR PLAN #515

1/4"=1'-0"

OCCUPANCY LOAD FACTOR

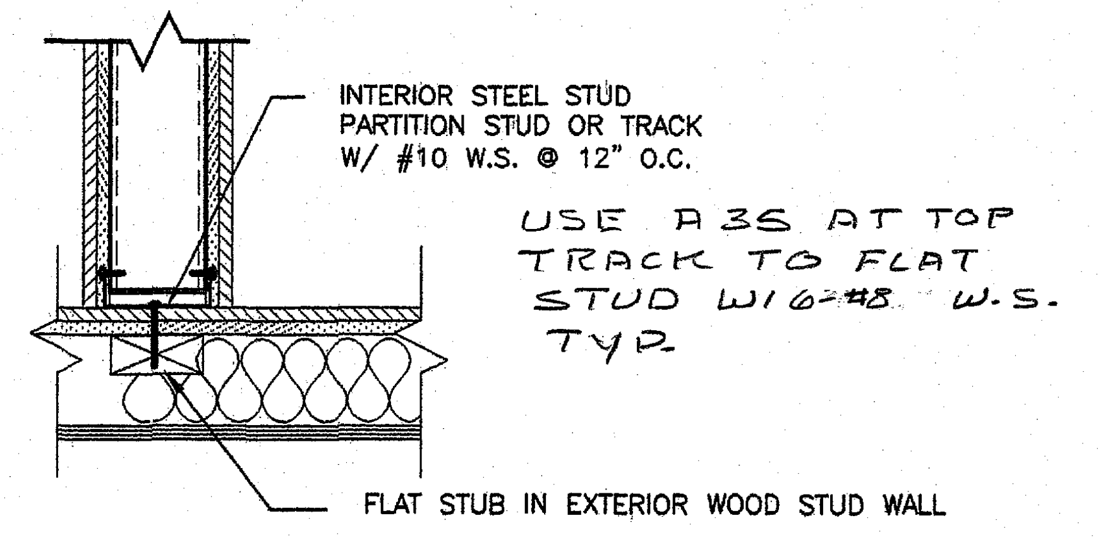
AREA	OCCUPANCY	SF/PERSON
1920 SF	LAB/SUPPORT	300 GROSS

1920/300=7 PEOPLE



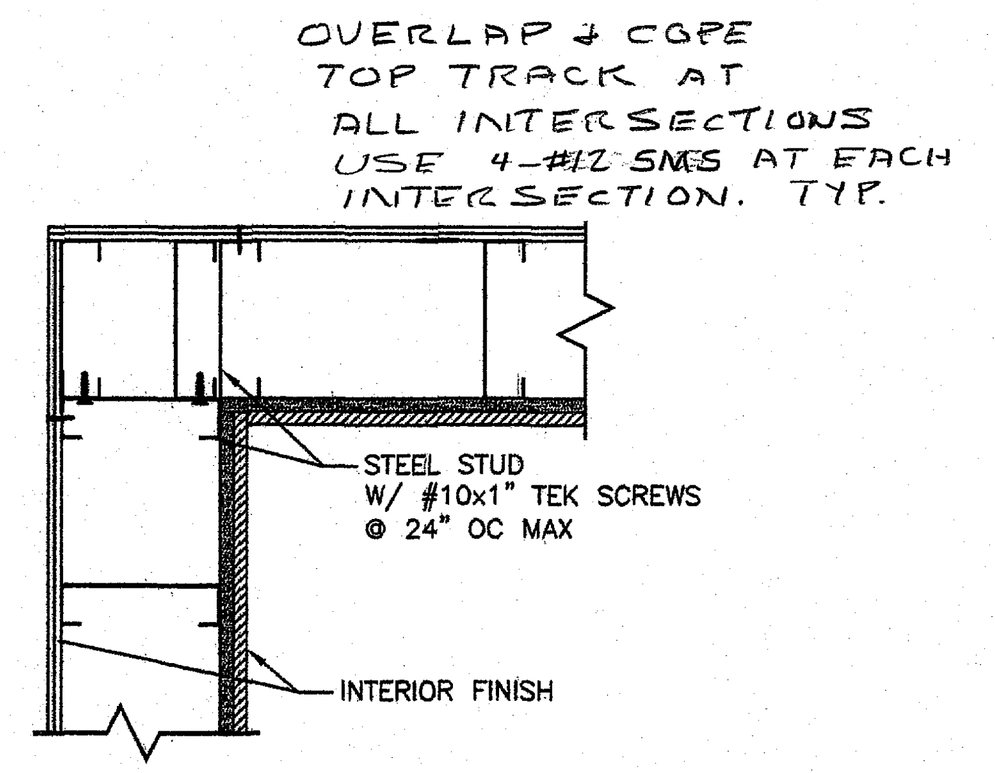
A/A1.4 PARTITION WALL SUPPORT

NTS


INTERIOR STEEL STUD PARTITION STUD OR TRACK W/ #10 W.S. @ 12" O.C.
USE A36 AT TOP TRACK TO FLAT STUD W/6-#8 W.S. TYP.
FLAT STUB IN EXTERIOR WOOD STUD WALL

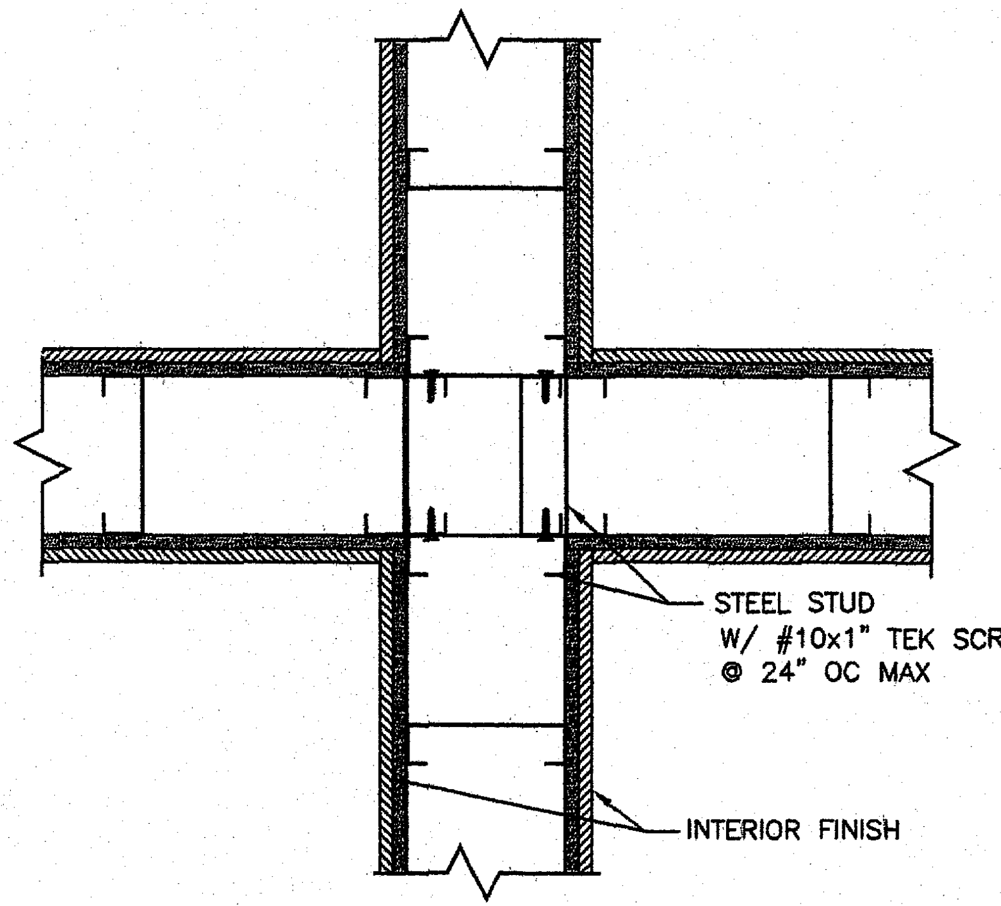
B/A1.4 WALL TYP DETAIL @ EXTERIOR WALL

1 1/2"=1-0"


OVERLAP & COPE TOP TRACK AT ALL INTERSECTIONS USE 4-#12 SMS AT EACH INTERSECTION. TYP.
STEEL STUD W/ #10x1" TEK SCREWS @ 24" OC MAX
INTERIOR FINISH

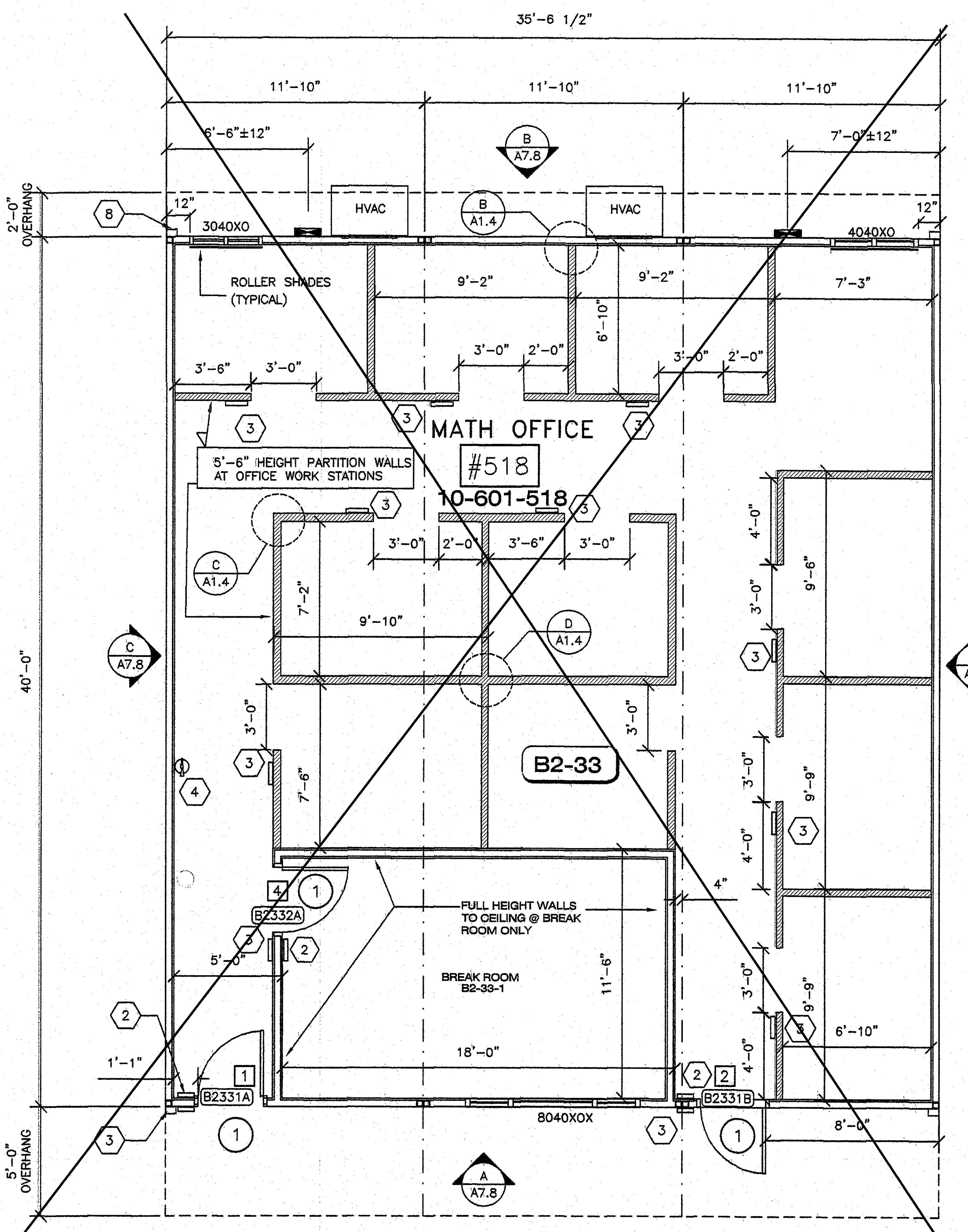
C/A1.4 WALL TYP DETAIL @ CORNERS

1 1/2"=1-0"



D/A1.4 WALL TYP DETAIL @ INTERSECTION

1 1/2"=1-0"



2/A1.4 MATH OFFICE FLOOR PLAN #518

1/4"=1'-0"

OCCUPANCY LOAD FACTOR

AREA	OCCUPANCY	SF/PERSON
1440 SF	OFFICE	100 GROSS

1440/100=15 PEOPLE

- SHEET NOTES -

1. (2) 8'x4' MARKER BOARDS
2. EXIT TACTILE SIGN PER DETAIL 10/AD (BY OWNER)
3. CLASSROOM ID & ISA PER DETAIL PER DETAIL 5 & 9/AD
4. FIRE EXTINGUISHER TOP OF BRACKET @ +48" A.F.F.
5. TYP MOD LINE
6. HVAC UNIT (LOCATION MAY VARY)
7. ELECTRICAL PANEL (LOCATION MAY VARY)
8. DOWNSPOUT (QUANITY & LOCATION MAY VARY)
9. CARPET
10. FLOOR LIVE LOAD SIGN PER 1603A.3 2007 CBC
11. OPTIONAL TYPICAL RAMP REFER TO SHEET S6R FOR DETAILS

- GENERAL NOTES -

1. REFER TO SHEETS A2 & A2.1 FOR ADDITIONAL FLOOR PLAN CONFIGURATIONS
2. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING REFER TO SHEET S5A FOR ATTACHMENTS.
3. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER CBC 1008.1.9
4. IF OCCUPANCY LOAD EXCEEDS 50 PROVIDE A SECOND EXIT DOOR PER CBC TABLE 1015.1
5. PROVIDE OCCUPANT LOAD SIGN (BY OWNER) CAPACITY POSTING PER CBC SECTION 1004.3 TITLE 19 C.C.R. SECTION 3.3.0. THIS ROOM SHALL BE POST WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM.

- BUILDING SIZE SCHEDULE -

BUILDING	40'-0" MODULES	OVERALL SIZE
36' x 40'	3	35'-6 1/2"
48' x 40'	4	47'-4 3/4"

SYMBOL SCHEDULE

(1)	DOOR (STL: STEEL DOOR-HOLLOW CORE ALL DOORS (REFER TO SHEET A3)
X	DOOR HARDWARE TYPE REFER TO DOOR HARDWARE SCHEDULE ON SHEET A1
	WINDOW SIZE (REFER TO FLOOR PLAN)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS FLS SS
DATE MAY 0 9 2019

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

DATE

BASED ON PC# 02-109635

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/12/10
SCALE: NOTED
DRAWN BY: MP
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE CAREER

36'x40' AND 48'x40' (ES) RELOCATABLE CLASSROOMS
TYPICAL FLOOR PLAN

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

RANDALL PATRICK CAVANAGH
No. C12631
Ren.

JOHN H. LAWDER
No. 2310

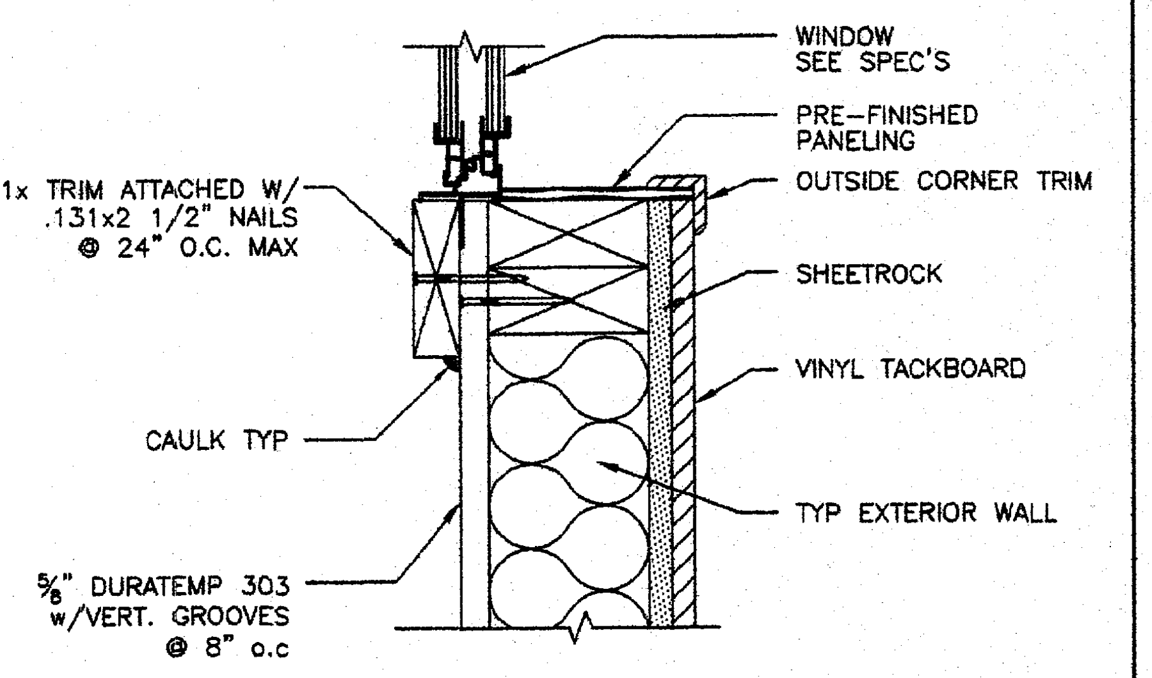
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-111652
AC FLS SS
DATE NOV 1 8 2010

PROJECT No.

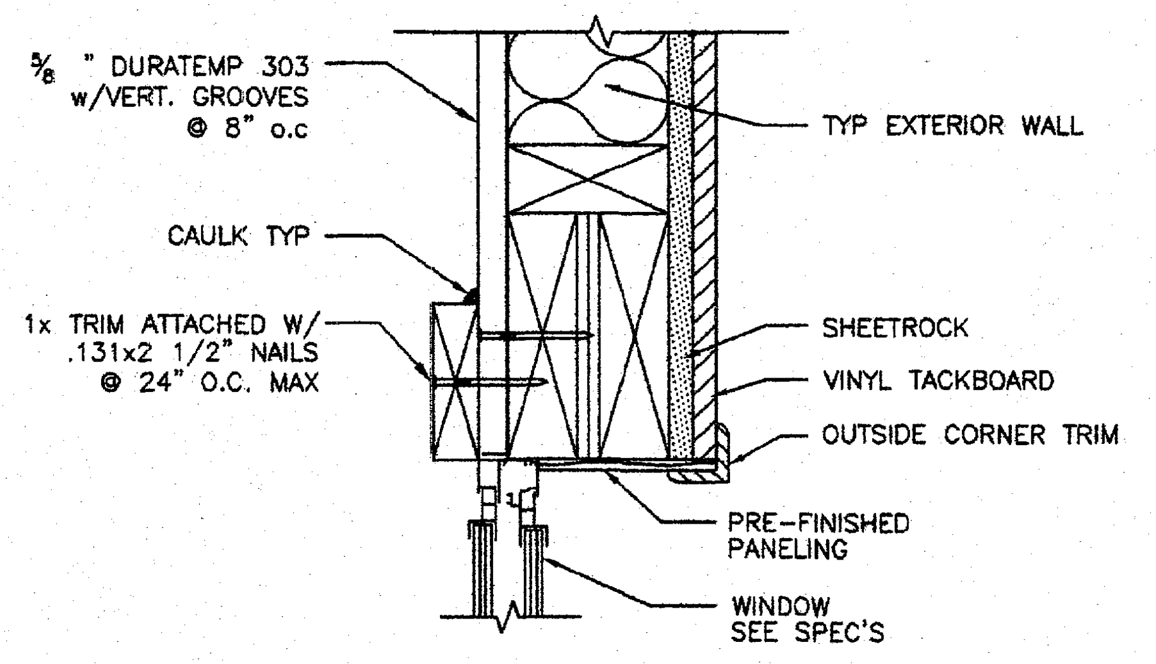
A1.4

ADDENDUM

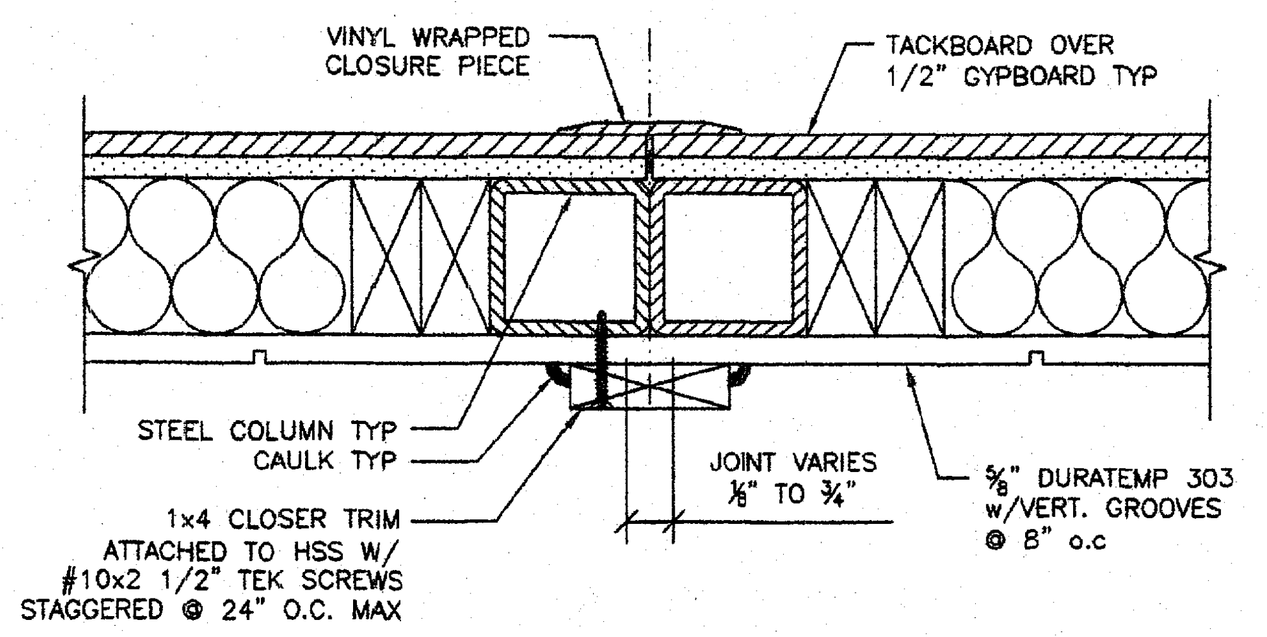
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS.



1 TYP WINDOW SILL DETAIL
A7A 3"=1'-0"

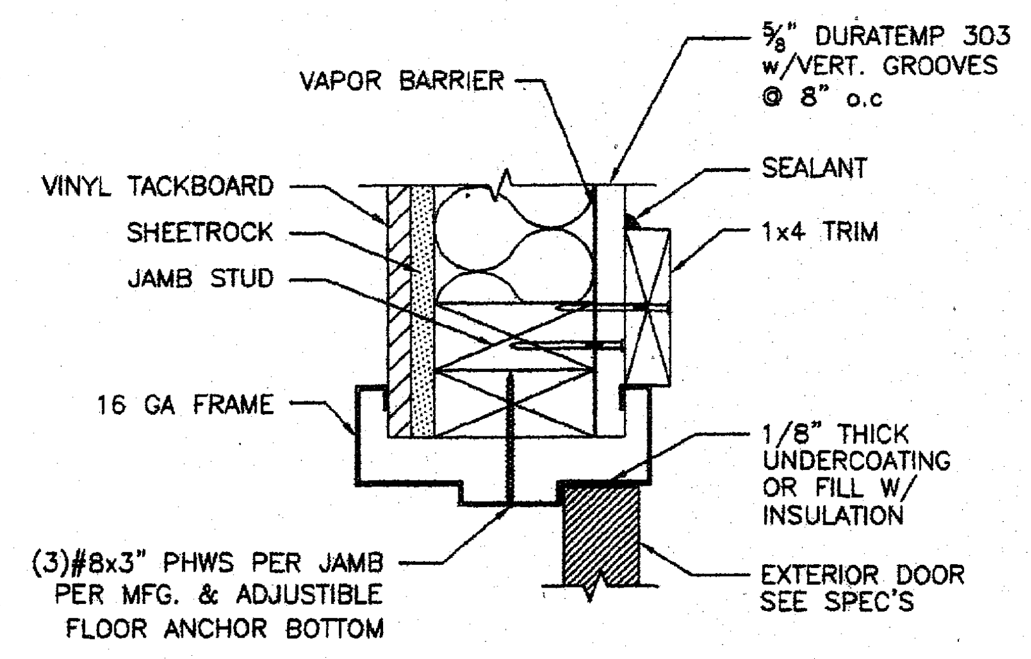


2 TYP WINDOW HEADER DETAIL
A7A 3"=1'-0"

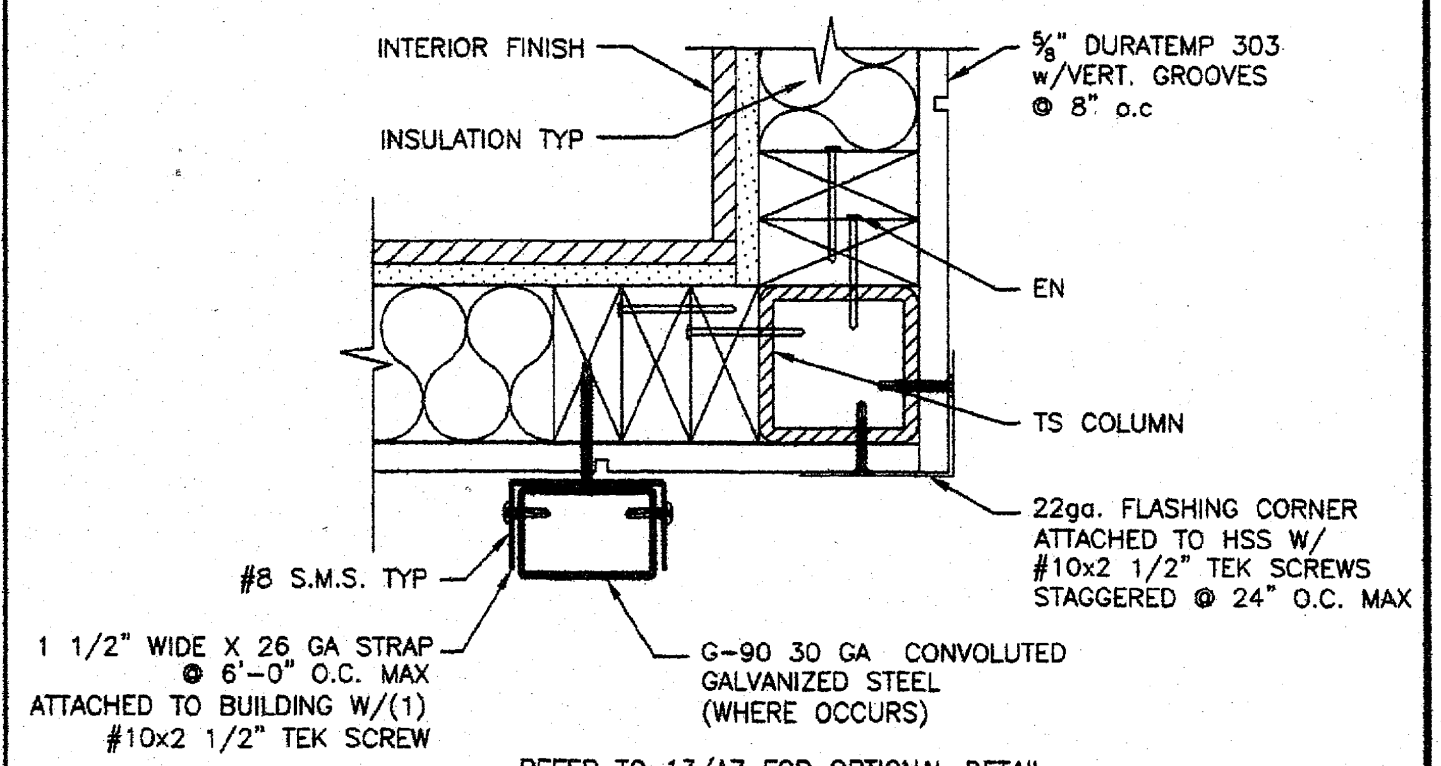

VINYL WRAPPED CLOSURE PIECE
TACKBOARD OVER 1/2" GYPBOARD TYP
STEEL COLUMN TYP
CAULK TYP
1x4 CLOSER TRIM ATTACHED TO HSS W/ #10x2 1/2" TEK SCREWS STAGGERED @ 24" O.C. MAX
JOINT VARIES 1/8" TO 3/4"
5/8" DURATEMP 303 w/VERT. GROOVES @ 8" o.c

REFER TO 12/A7 FOR OPTIONAL DETAIL

3 TYP MODLINE CLOSURE DETAIL
A7A 3"=1'-0"

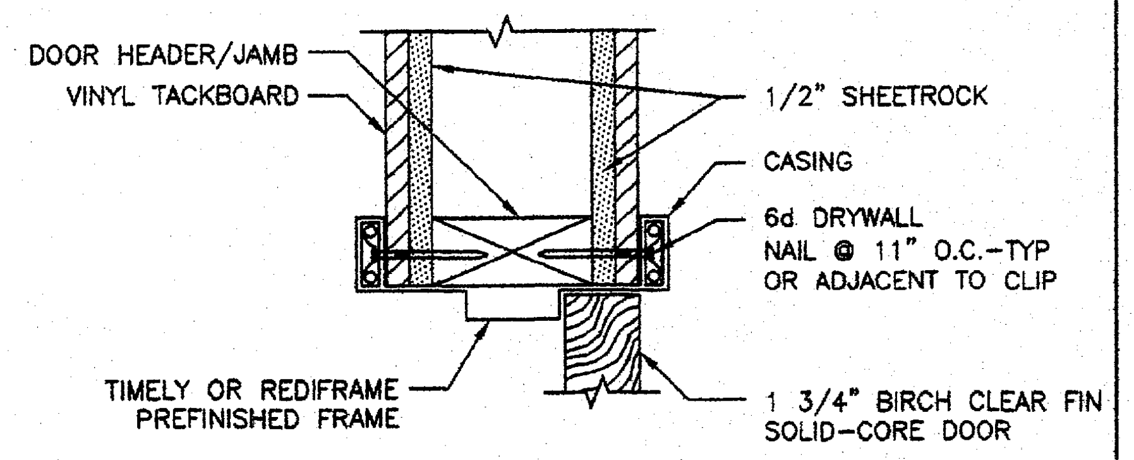

VAPOR BARRIER
5/8" DURATEMP 303 w/VERT. GROOVES @ 8" o.c
SEALANT
VINYL TACKBOARD
SHEETROCK
JAMB STUD
1x4 TRIM
16 GA FRAME
1/8" THICK UNDERCOATING OR FILL W/ INSULATION
(3)#8x3" PHWS PER JAMB PER MFG. & ADJUSTIBLE FLOOR ANCHOR BOTTOM
EXTERIOR DOOR SEE SPEC'S

4 TYP DOOR JAMB DETAIL
A7A 3"=1'-0"

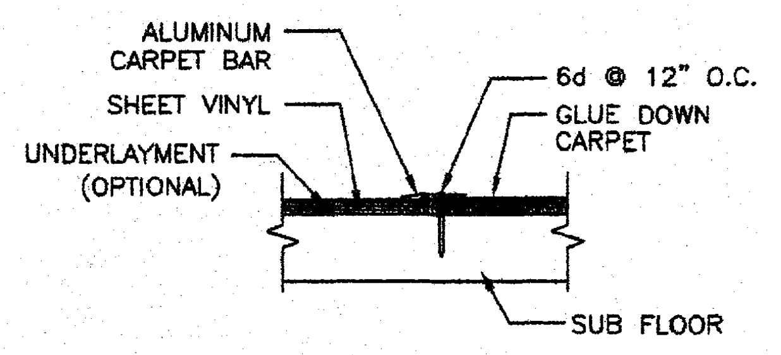

INTERIOR FINISH
5/8" DURATEMP 303 w/VERT. GROOVES @ 8" o.c
INSULATION TYP
EN
TS COLUMN
22ga. FLASHING CORNER ATTACHED TO HSS W/ #10x2 1/2" TEK SCREWS STAGGERED @ 24" O.C. MAX
#8 S.M.S. TYP
1 1/2" WIDE X 26 GA STRAP @ 6'-0" O.C. MAX ATTACHED TO BUILDING W/(1) #10x2 1/2" TEK SCREW
G-90 30 GA CONVOLUTED GALVANIZED STEEL (WHERE OCCURS)

REFER TO 13/A7 FOR OPTIONAL DETAIL

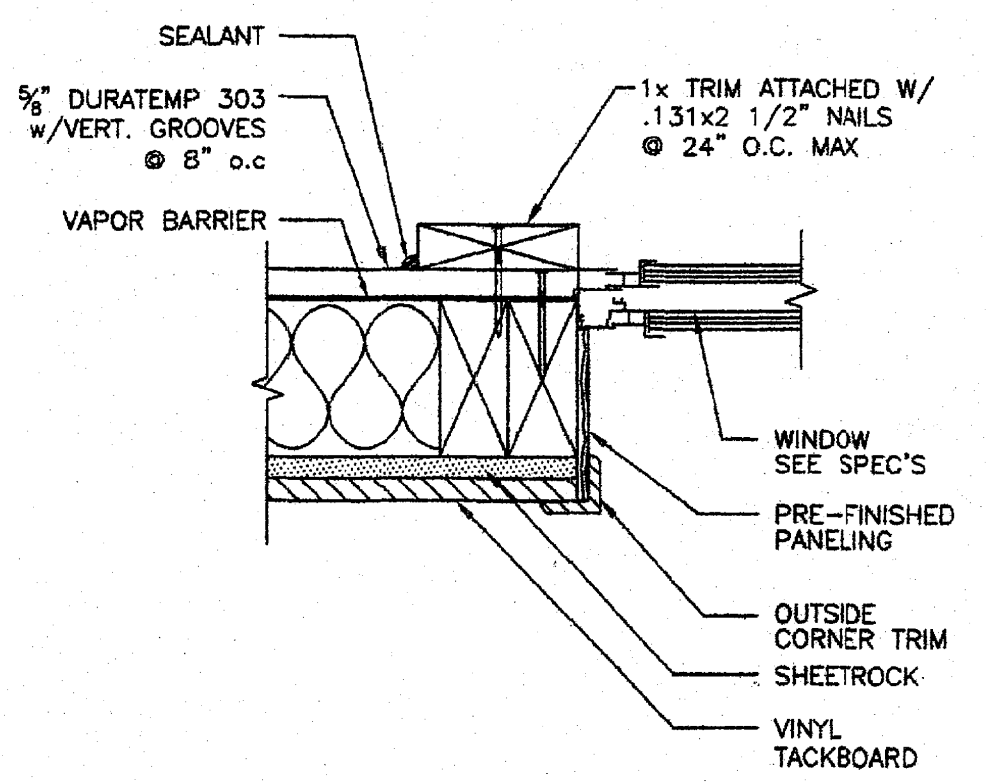
5 DOWSPOUT ATTACHMENT & COLUMN CLOSURE DETAIL
A7A 3"=1'-0"


DOOR HEADER/JAMB
VINYL TACKBOARD
1/2" SHEETROCK
CASING
6d DRYWALL NAIL @ 11" O.C.-TYP OR ADJACENT TO CLIP
TIMELY OR REDIFRAME PREFINISHED FRAME
1 3/4" BIRCH CLEAR FIN SOLID-CORE DOOR

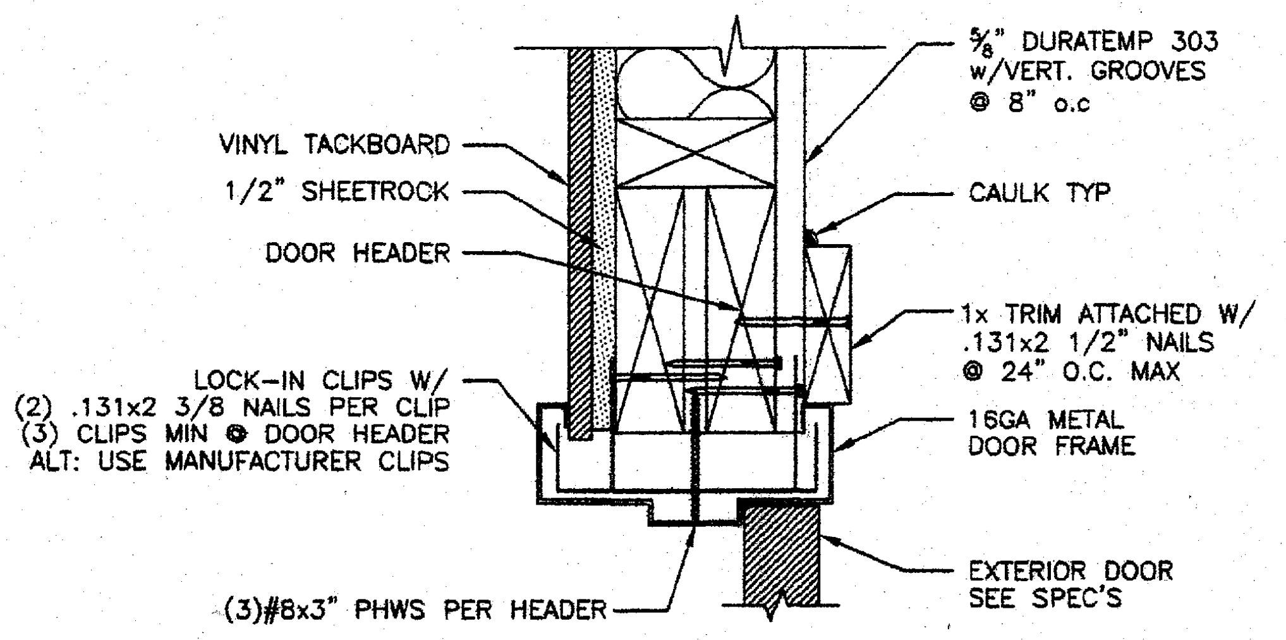
6 TYP INTERIOR DOOR HEADER DETAIL
A7A 3"=1'-0"



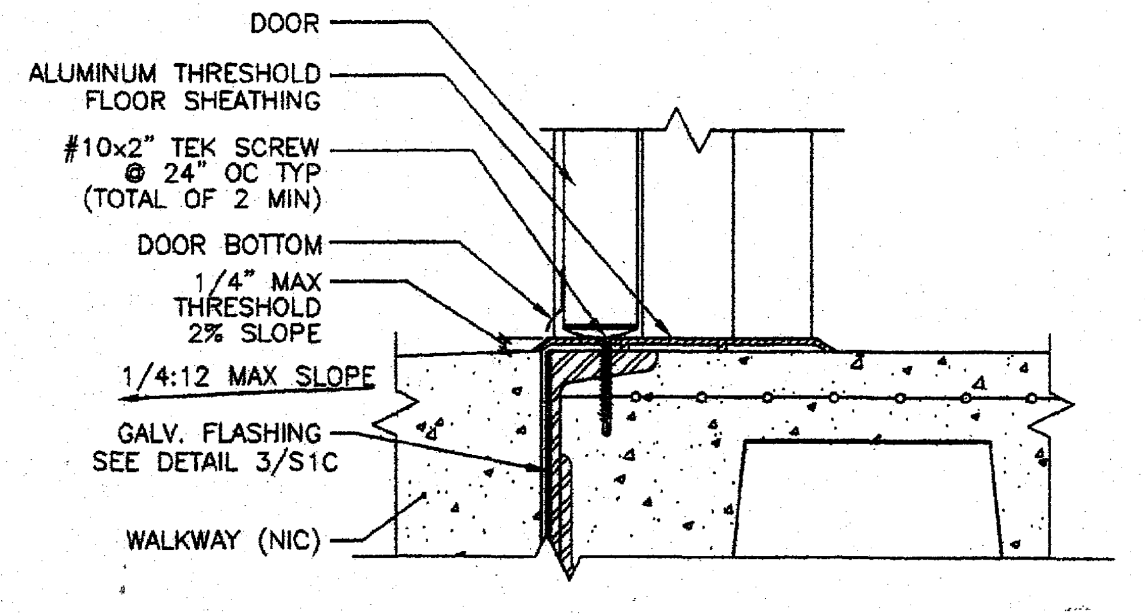
7 FLOORING DETAIL
A7A 3"=1'-0"



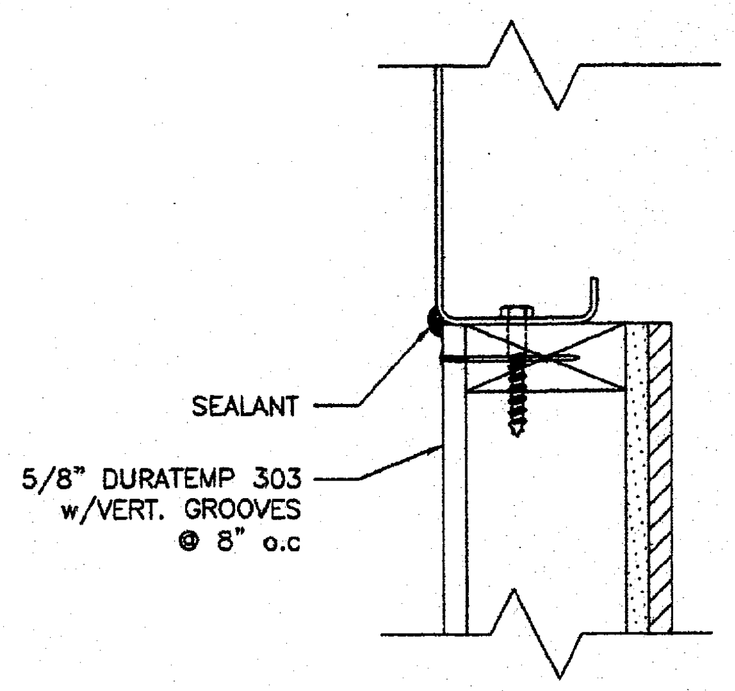
8 TYP WINDOW JAMB DETAIL
A7A 3"=1'-0"


5/8" DURATEMP 303 w/VERT. GROOVES @ 8" o.c
VINYL TACKBOARD
1/2" SHEETROCK
CAULK TYP
DOOR HEADER
1x TRIM ATTACHED W/ .131x2 1/2" NAILS @ 24" O.C. MAX
LOCK-IN CLIPS W/ (2) .131x2 3/8 NAILS PER CLIP (3) CLIPS MIN @ DOOR HEADER ALT: USE MANUFACTURER CLIPS
16GA METAL DOOR FRAME
EXTERIOR DOOR SEE SPEC'S
(3)#8x3" PHWS PER HEADER

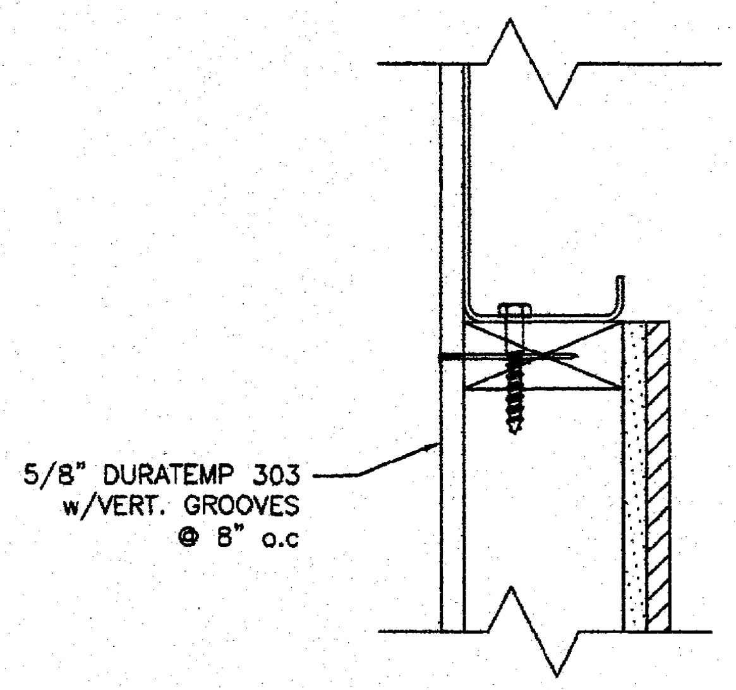
9 TYP DOOR HEADER DETAIL
A7A 3"=1'-0"


DOOR
ALUMINUM THRESHOLD FLOOR SHEATHING
#10x2" TEK SCREW @ 24" OC TYP (TOTAL OF 2 MIN)
DOOR BOTTOM
1/4" MAX THRESHOLD 2% SLOPE
1/4:12 MAX SLOPE
GALV. FLASHING SEE DETAIL 3/S1C
WALKWAY (NIC)

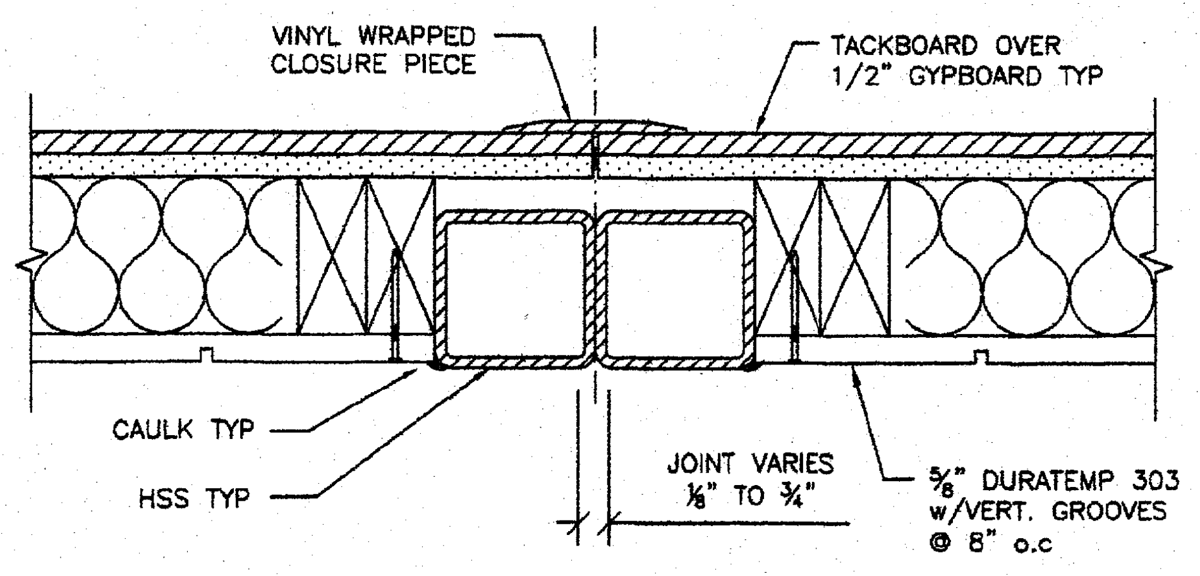
10 THRESHOLD DETAIL
A7A 1 1/2"=1'-0"



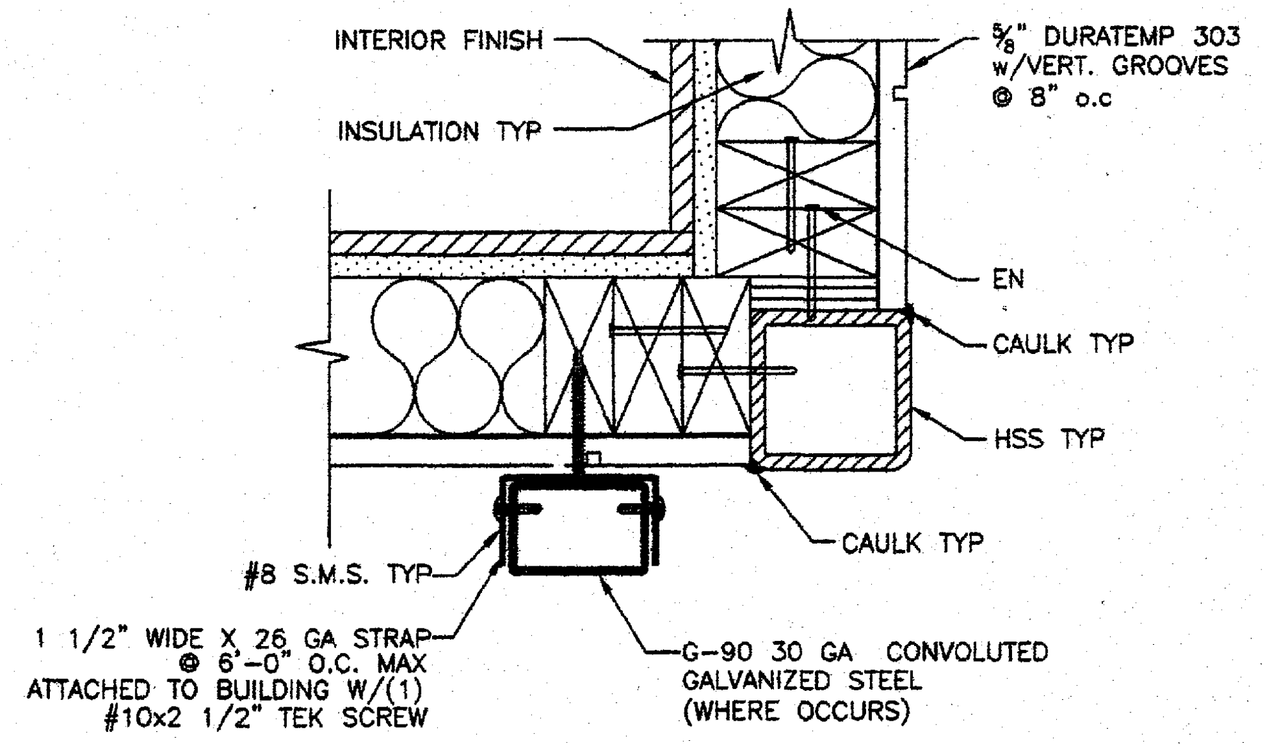
11 SIDING DETAIL AT ROOF BEAM
A7A 1 1/2"=1-0" EXPOSED BEAM OPTION



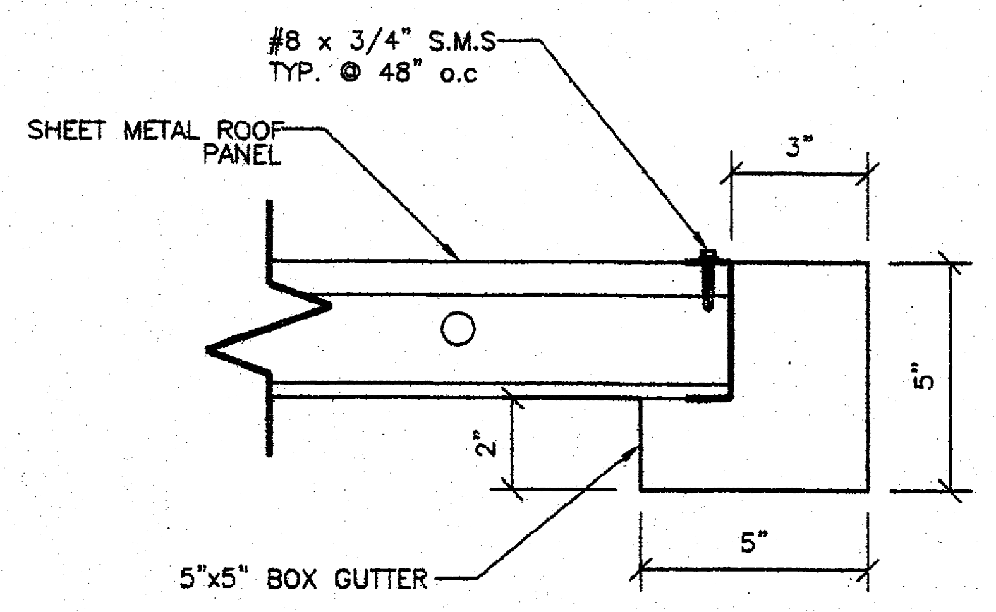
11A SIDING DETAIL AT ROOF BEAM
A7A 1 1/2"=1-0" COVERED BEAM OPTION


VINYL WRAPPED CLOSURE PIECE
TACKBOARD OVER 1/2" GYPBOARD TYP
CAULK TYP
HSS TYP
JOINT VARIES 1/8" TO 3/4"
5/8" DURATEMP 303 w/VERT. GROOVES @ 8" o.c

12 OPTIONAL MODLINE CLOSURE DETAIL
A7A 3"=1'-0" HSS EXPOSED


INTERIOR FINISH
5/8" DURATEMP 303 w/VERT. GROOVES @ 8" o.c
INSULATION TYP
EN
CAULK TYP
HSS TYP
CAULK TYP
#8 S.M.S. TYP
1 1/2" WIDE X 26 GA STRAP @ 6'-0" O.C. MAX ATTACHED TO BUILDING W/(1) #10x2 1/2" TEK SCREW
G-90 30 GA CONVOLUTED GALVANIZED STEEL (WHERE OCCURS)

13 DOWSPOUT ATTACHMENT & COLUMN CLOSURE DETAIL
A7A 3"=1'-0" HSS EXPOSED



14 TYP GUTTER ATTACHMENT DETAIL
A7A 3"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS ✓
DATE MAY 09 2010

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC FLS SS
DATE NOV 18 2009

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 12/01/2008
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
ARCHITECTURAL DETAILS (T1-11 SIDING OPTION)

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

No. C12631
Ren. 3.31.09

No. 2310
Exp. 3-31-11

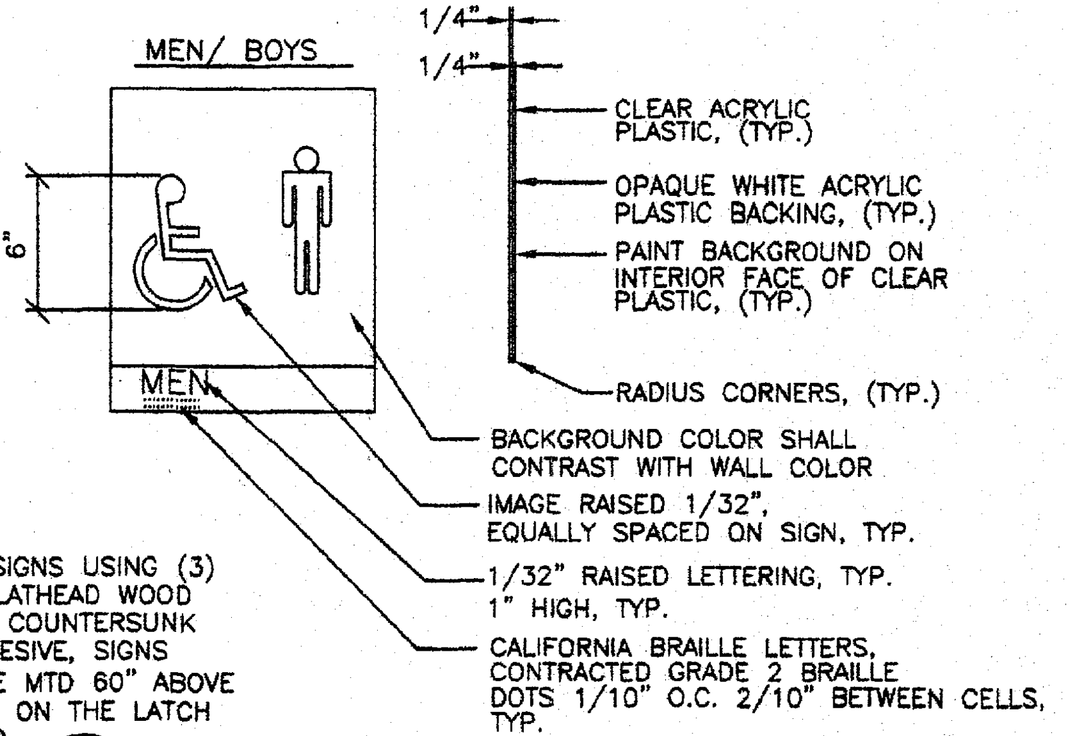
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC FLS SS
DATE 1/27/09

PROJECT No.

A7A

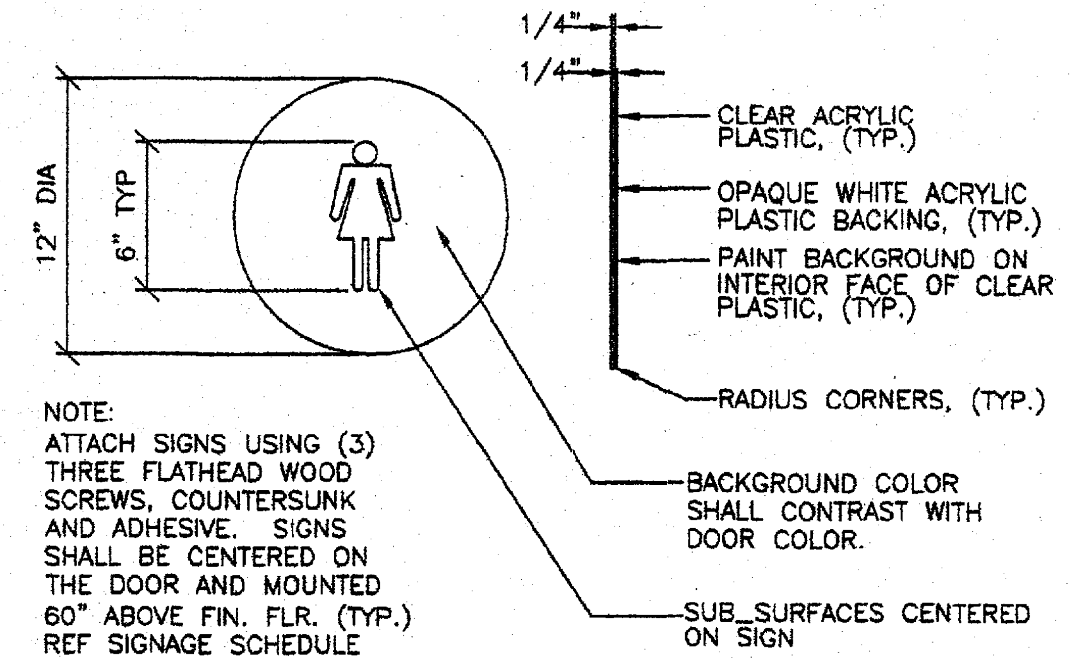
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

ADDENDUM


MEN/ BOYS
1/4"
1/4"
6"
MEN
CLEAR ACRYLIC PLASTIC, (TYP.)
OPAQUE WHITE ACRYLIC PLASTIC BACKING, (TYP.)
PAINT BACKGROUND ON INTERIOR FACE OF CLEAR PLASTIC, (TYP.)
RADIUS CORNERS, (TYP.)
BACKGROUND COLOR SHALL CONTRAST WITH WALL COLOR
IMAGE RAISED 1/32", EQUALLY SPACED ON SIGN, TYP.
1/32" RAISED LETTERING, TYP. 1" HIGH, TYP.
CALIFORNIA BRAILLE LETTERS, CONTRACTED GRADE 2 BRAILLE DOTS 1/10" O.C. 2/10" BETWEEN CELLS, TYP.

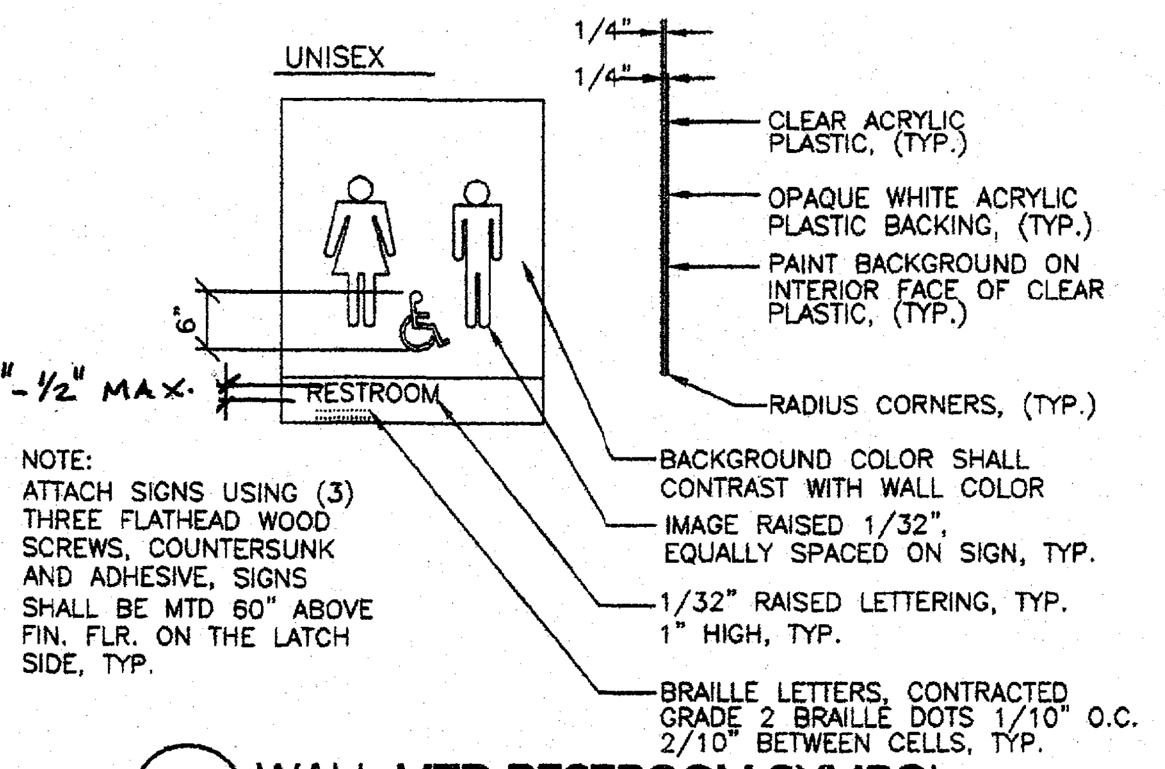
NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE, SIGNS SHALL BE MTD 60" ABOVE FIN. FLR. ON THE LATCH SIDE, TYP.

1 / AD WALL MTD RESTROOM SYMBOL
N.T.S.


1/4"
1/4"
12" DIA
6" TYP
CLEAR ACRYLIC PLASTIC, (TYP.)
OPAQUE WHITE ACRYLIC PLASTIC BACKING, (TYP.)
PAINT BACKGROUND ON INTERIOR FACE OF CLEAR PLASTIC, (TYP.)
RADIUS CORNERS, (TYP.)
BACKGROUND COLOR SHALL CONTRAST WITH DOOR COLOR.
SUB_SURFACES CENTERED ON SIGN

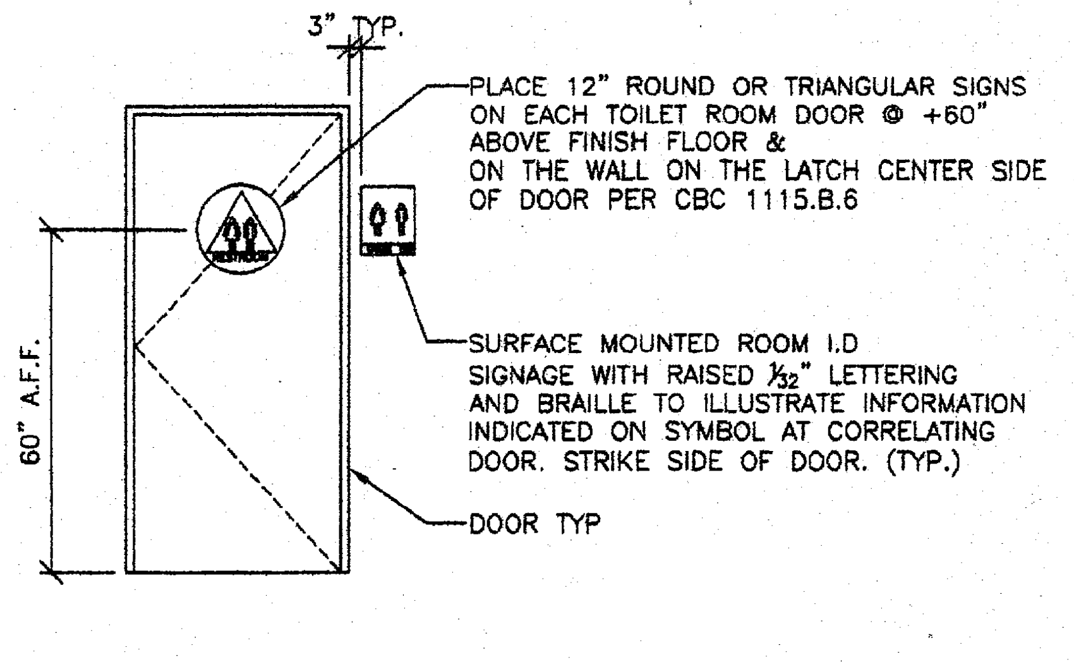
NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE. SIGNS SHALL BE CENTERED ON THE DOOR AND MOUNTED 60" ABOVE FIN. FLR. (TYP.) REF SIGNAGE SCHEDULE FOR LOCATION OF SIGN

2 / AD WOMEN'S RESTROOM SIGNAGE
N.T.S.

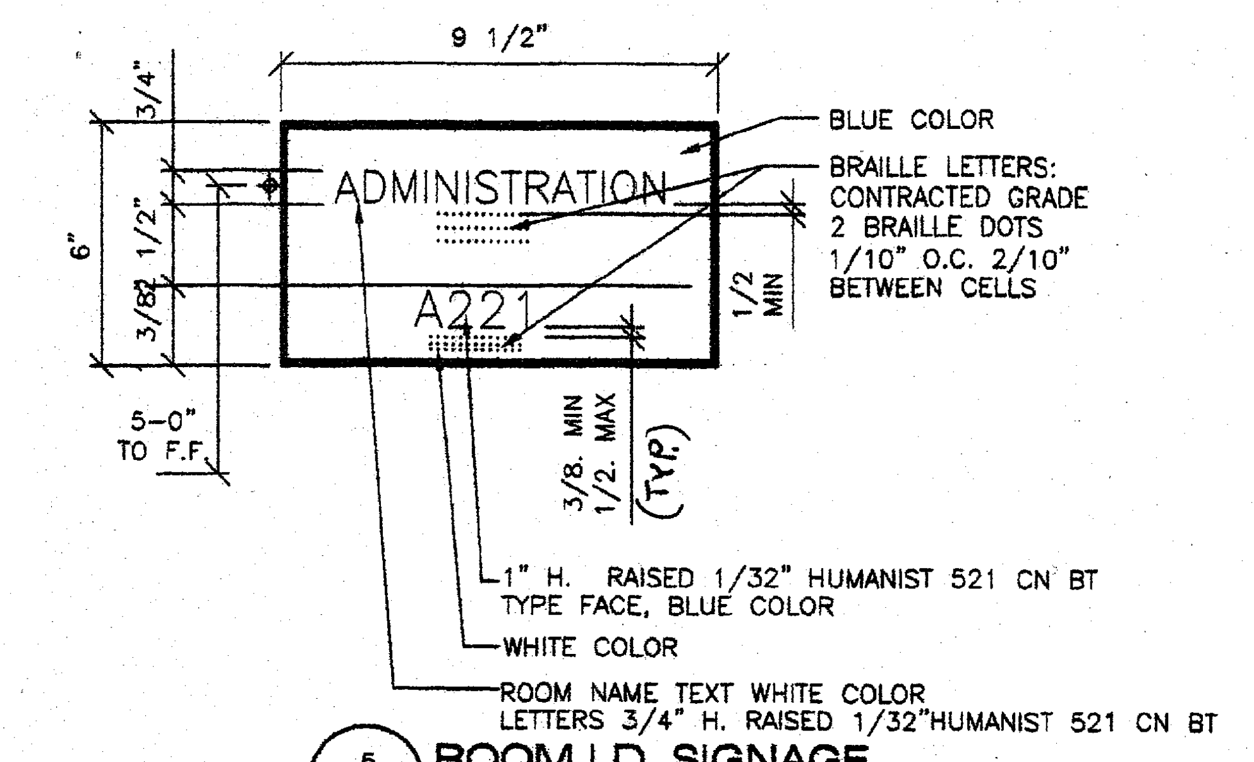

UNISEX
1/4"
1/4"
6"
3/8"-1/2" MAX.
RESTROOM
CLEAR ACRYLIC PLASTIC, (TYP.)
OPAQUE WHITE ACRYLIC PLASTIC BACKING, (TYP.)
PAINT BACKGROUND ON INTERIOR FACE OF CLEAR PLASTIC, (TYP.)
RADIUS CORNERS, (TYP.)
BACKGROUND COLOR SHALL CONTRAST WITH WALL COLOR
IMAGE RAISED 1/32", EQUALLY SPACED ON SIGN, TYP.
1/32" RAISED LETTERING, TYP. 1" HIGH, TYP.
BRAILLE LETTERS, CONTRACTED GRADE 2 BRAILLE DOTS 1/10" O.C. 2/10" BETWEEN CELLS, TYP.

NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE, SIGNS SHALL BE MTD 60" ABOVE FIN. FLR. ON THE LATCH SIDE, TYP.

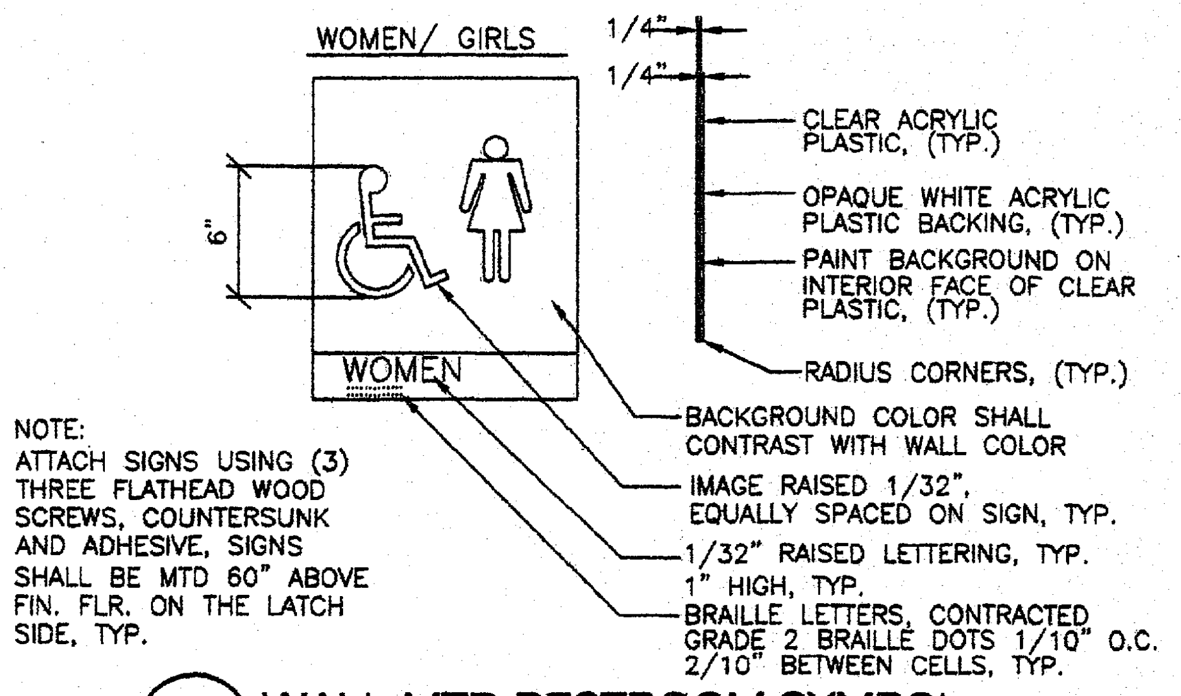
3 / AD WALL MTD RESTROOM SYMBOL
N.T.S.


3" TYP.
60" A.F.F.
PLACE 12" ROUND OR TRIANGULAR SIGNS ON EACH TOILET ROOM DOOR @ +60" ABOVE FINISH FLOOR & ON THE WALL ON THE LATCH CENTER SIDE OF DOOR PER CBC 1115.B.6
SURFACE MOUNTED ROOM I.D SIGNAGE WITH RAISED 1/32" LETTERING AND BRAILLE TO ILLUSTRATE INFORMATION INDICATED ON SYMBOL AT CORRELATING DOOR. STRIKE SIDE OF DOOR. (TYP.)
DOOR TYP

4 / AD ROOM IDENTIFICATION SIGNAGE
N.T.S.


9 1/2"
3/4"
6"
1/2"
3/8"
5-0" TO F.F.
ADMINISTRATION
A221
1/2 MIN
3/8. MIN
1/2. MAX
(TYP.)
BLUE COLOR
BRAILLE LETTERS: CONTRACTED GRADE 2 BRAILLE DOTS 1/10" O.C. 2/10" BETWEEN CELLS
1" H. RAISED 1/32" HUMANIST 521 CN BT TYPE FACE, BLUE COLOR
WHITE COLOR
ROOM NAME TEXT WHITE COLOR LETTERS 3/4" H. RAISED 1/32"HUMANIST 521 CN BT

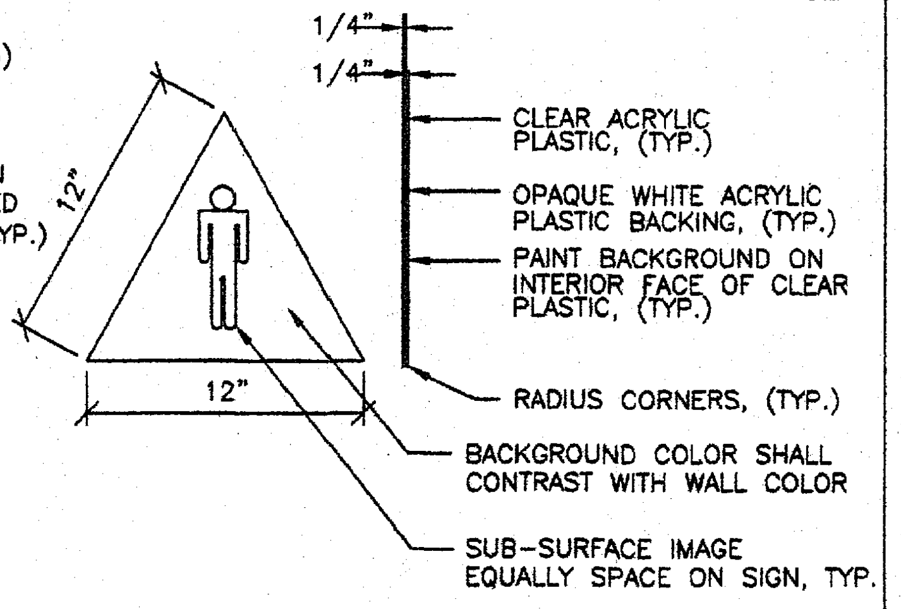
5 / AD ROOM I.D. SIGNAGE
N.T.S.


WOMEN/ GIRLS
1/4"
1/4"
6"
WOMEN
CLEAR ACRYLIC PLASTIC, (TYP.)
OPAQUE WHITE ACRYLIC PLASTIC BACKING, (TYP.)
PAINT BACKGROUND ON INTERIOR FACE OF CLEAR PLASTIC, (TYP.)
RADIUS CORNERS, (TYP.)
BACKGROUND COLOR SHALL CONTRAST WITH WALL COLOR
IMAGE RAISED 1/32", EQUALLY SPACED ON SIGN, TYP.
1/32" RAISED LETTERING, TYP. 1" HIGH, TYP.
BRAILLE LETTERS, CONTRACTED GRADE 2 BRAILLE DOTS 1/10" O.C. 2/10" BETWEEN CELLS, TYP.

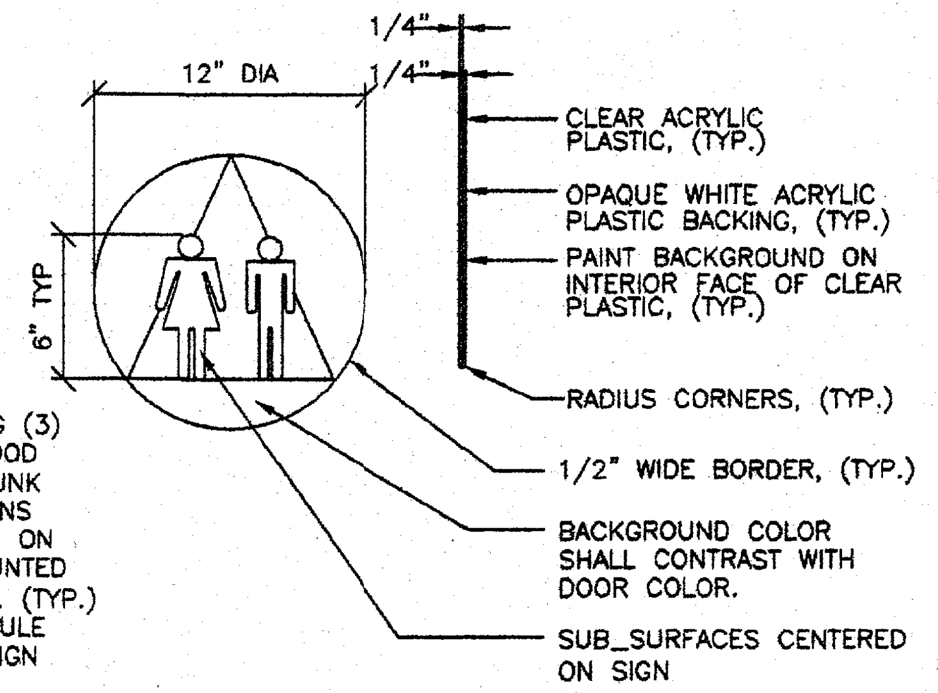
NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE, SIGNS SHALL BE MTD 60" ABOVE FIN. FLR. ON THE LATCH SIDE, TYP.

6 / AD WALL MTD RESTROOM SYMBOL
N.T.S.

NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE. SIGNS SHALL BE CENTERED ON THE DOOR AND MOUNTED 60" ABOVE FIN. FLR. (TYP.) REF SIGNAGE SCHEDULE FOR LOCATION OF SIGN

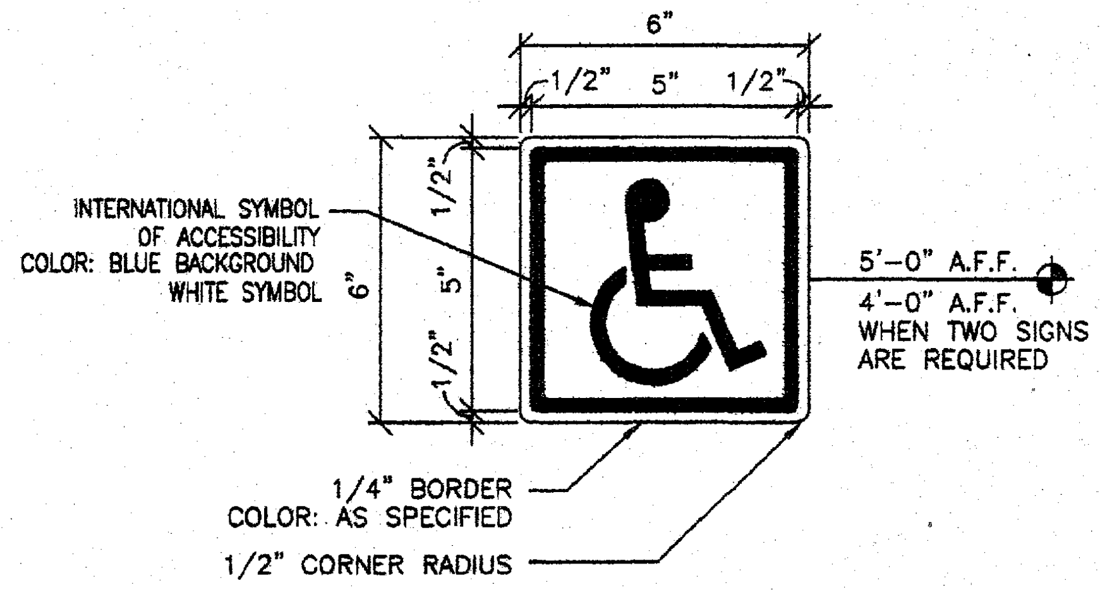

1/4"
1/4"
12"
12"
CLEAR ACRYLIC PLASTIC, (TYP.)
OPAQUE WHITE ACRYLIC PLASTIC BACKING, (TYP.)
PAINT BACKGROUND ON INTERIOR FACE OF CLEAR PLASTIC, (TYP.)
RADIUS CORNERS, (TYP.)
BACKGROUND COLOR SHALL CONTRAST WITH WALL COLOR
SUB-SURFACE IMAGE EQUALLY SPACE ON SIGN, TYP.

7 / AD MEN'S RESTROOM SIGNAGE
N.T.S.


1/4"
1/4"
12" DIA
6" TYP
CLEAR ACRYLIC PLASTIC, (TYP.)
OPAQUE WHITE ACRYLIC PLASTIC BACKING, (TYP.)
PAINT BACKGROUND ON INTERIOR FACE OF CLEAR PLASTIC, (TYP.)
RADIUS CORNERS, (TYP.)
1/2" WIDE BORDER, (TYP.)
BACKGROUND COLOR SHALL CONTRAST WITH DOOR COLOR.
SUB_SURFACES CENTERED ON SIGN

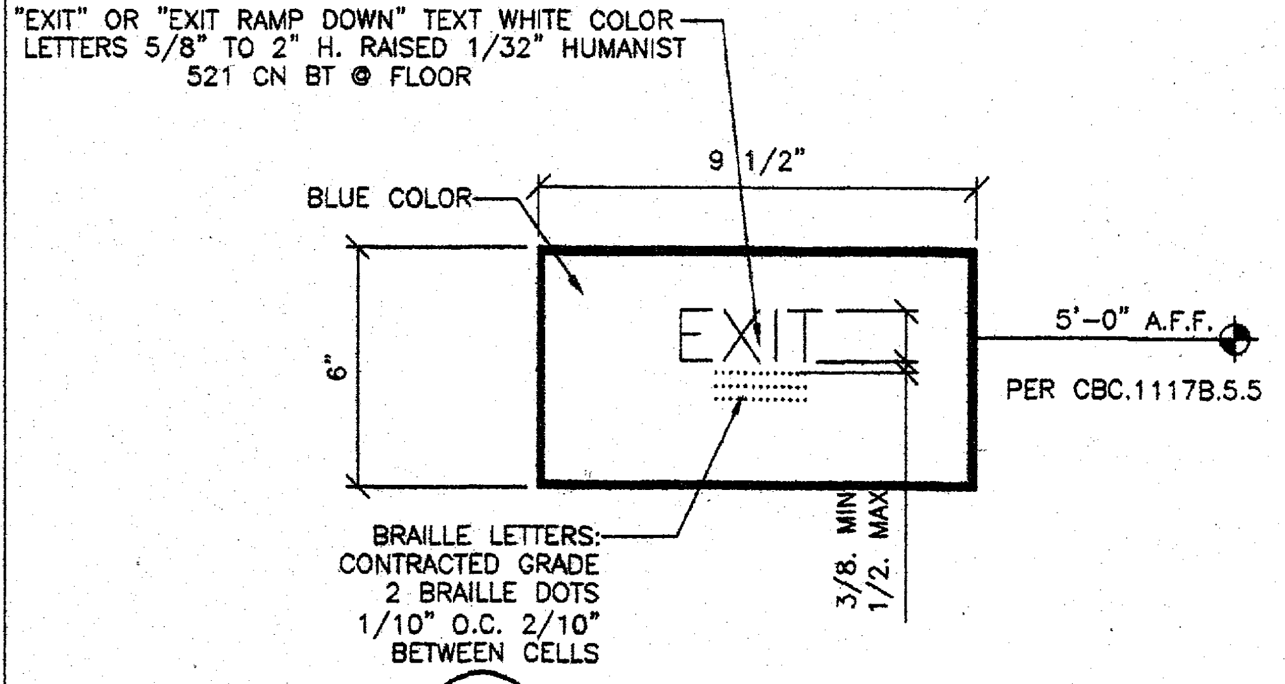
NOTE:
ATTACH SIGNS USING (3) THREE FLATHEAD WOOD SCREWS, COUNTERSUNK AND ADHESIVE. SIGNS SHALL BE CENTERED ON THE DOOR AND MOUNTED 60" ABOVE FIN. FLR. (TYP.) REF SIGNAGE SCHEDULE FOR LOCATION OF SIGN

8 / AD UNISEX RESTROOM SIGNAGE
N.T.S.


6"
1/2"
5"
1/2"
6"
1/2"
5"
1/2"
INTERNATIONAL SYMBOL OF ACCESSIBILITY COLOR: BLUE BACKGROUND WHITE SYMBOL
5'-0" A.F.F.
4'-0" A.F.F. WHEN TWO SIGNS ARE REQUIRED
1/4" BORDER COLOR: AS SPECIFIED
1/2" CORNER RADIUS

NOTE: PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. PROVIDE ADHESIVE MOUNTING SYSTEM WHEN ATTACHED TO GLAZING.

9 / AD INTERNATIONAL SIGN OF ACCESSIBILITY
N.T.S.


"EXIT" OR "EXIT RAMP DOWN" TEXT WHITE COLOR LETTERS 5/8" TO 2" H. RAISED 1/32" HUMANIST 521 CN BT @ FLOOR
9 1/2"
BLUE COLOR
6"
EXIT
5'-0" A.F.F.
PER CBC.1117B.5.5
BRAILLE LETTERS: CONTRACTED GRADE 2 BRAILLE DOTS 1/10" O.C. 2/10" BETWEEN CELLS
3/8. MIN
1/2. MAX

10 / AD TACTILE SIGNAGE
N.T.S.

DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES

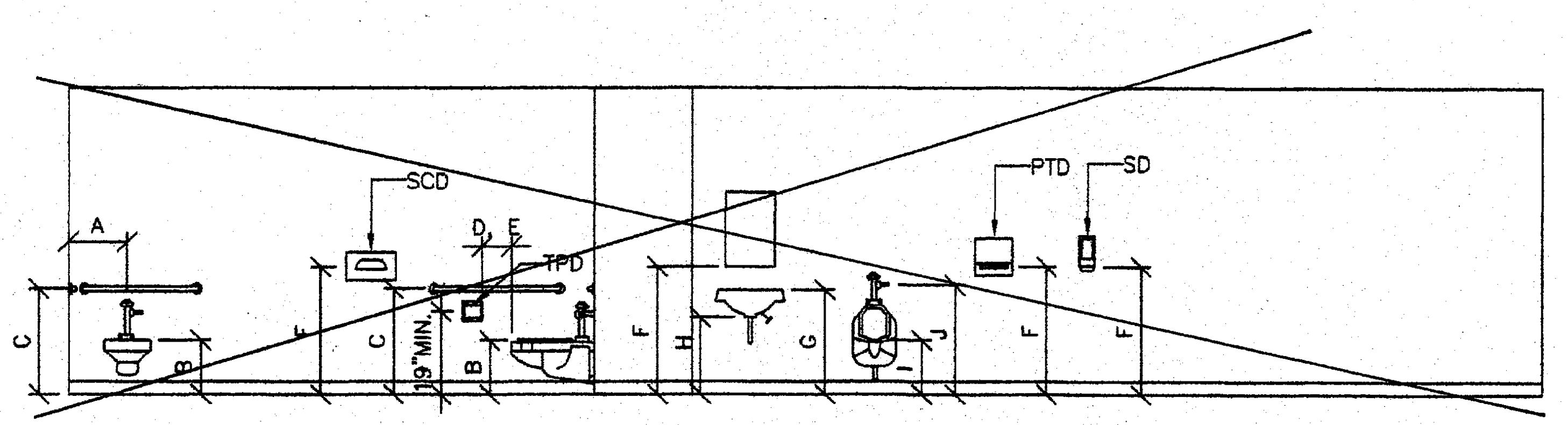
	FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION	REMARKS
A	TOILET CENTERLINE FROM WALL	18"	15"	12"	FLUSH VALVE TO WIDE SIDE OF STALL TYP
B	TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"-19"	15"	10"-12"	
C	GRAB BAR HEIGHT	33"	27"	20-22" ABOVE SEAT *	36" GRAB BAR @ REAR OF TOILET (250 LB CAPACITY TYP) (ALLOWED @ 36" A.F.F @ TANK TYPE TOILET) 42" GRAB BAR @ SIDE OF TOILET
D	TOILET PAPER DEPENSER IN FRONT OF TOILET (TPD)	12" MAX.	6" MAX.	6" MAX. **	12" IN FRONT OF TOILET ROLL PAPER HOLDER WITHOUT STOPS
E	NAPKIN DISPOSAL IN FRONT OF TOILET (SND)	12" MAX.	12" MAX	N/A	24" IN FRONT OF TOILET (BY OWNER)
F	DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.	
G	LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.	WRAP DRAIN WATER IF HOT WATER OCCURS
H	LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	19" MIN.	
I	URINAL LIP HEIGHT	17" MAX.	15" MAX.	13" MAX.	
J	URINAL FLUSH HANDLE HEIGHT	44" MAX.	37" MAX.	32" MAX.	
K	DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	32" MAX.	30" MAX.	
L	DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.	
M	RAMP/STAIR HANDRAIL HEIGHT	34"-38"	27"	22"	

*= ABOVE SEAT
**= DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP

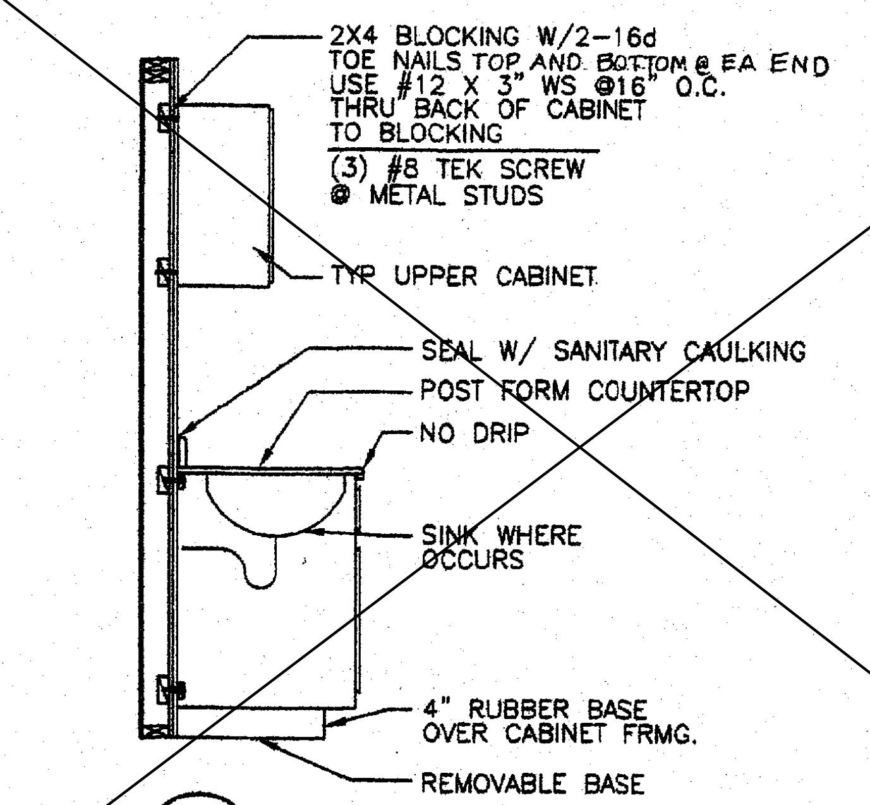
NOTE: 1. ALL ITEMS ON THIS SCHEDULE DO NOT NECESSARILY OCCUR IN THE PROJECT
2. HEIGHTS NOTED ON INTERIOR ELEVATIONS SHALL GOVERN OVER THOSE SHOWN HERE.

SCD = SEAT COVER DISPENSER
PTD = PAPER TOWEL DISPENSER
SD = SOAP DISPENSER
TPD = TOILET PAPER DISPENSER
SND = SANITARY NAPKIN DISPOSAL (WHERE APPLICABLE)
(ALL TOILET ACCESSORIES ARE N.I.C)

THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION

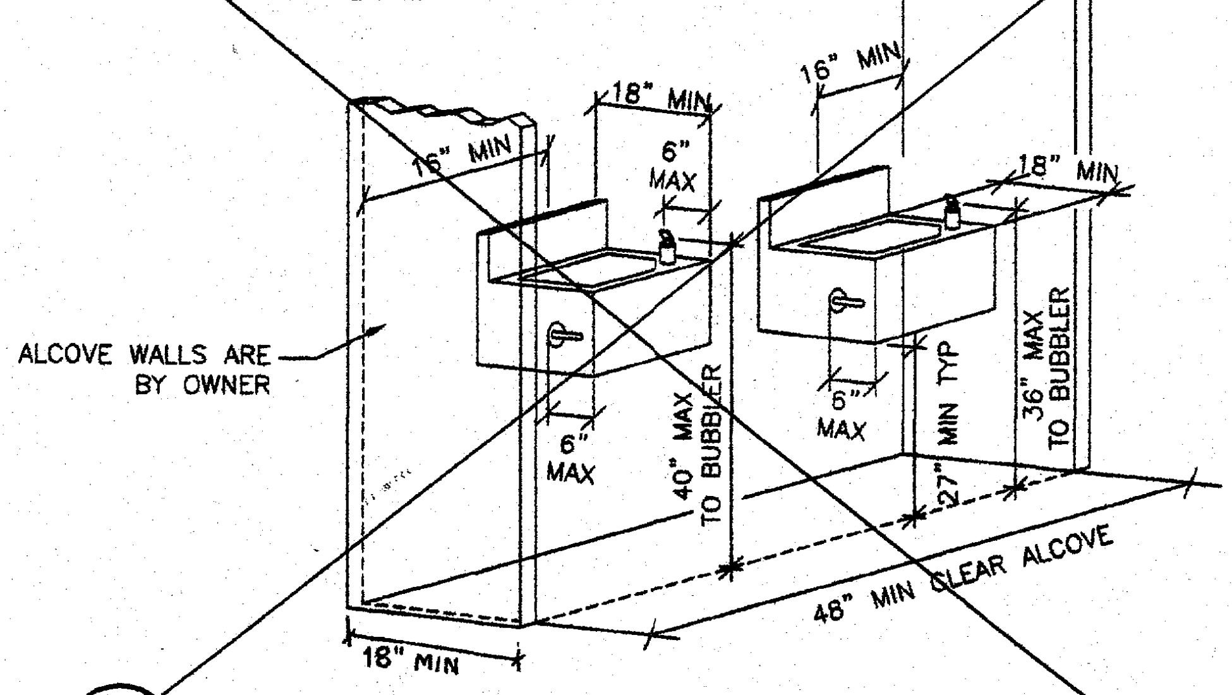


15 / AD ACCESSIBLE HEIGHTS @ TOILETS
N.T.S.

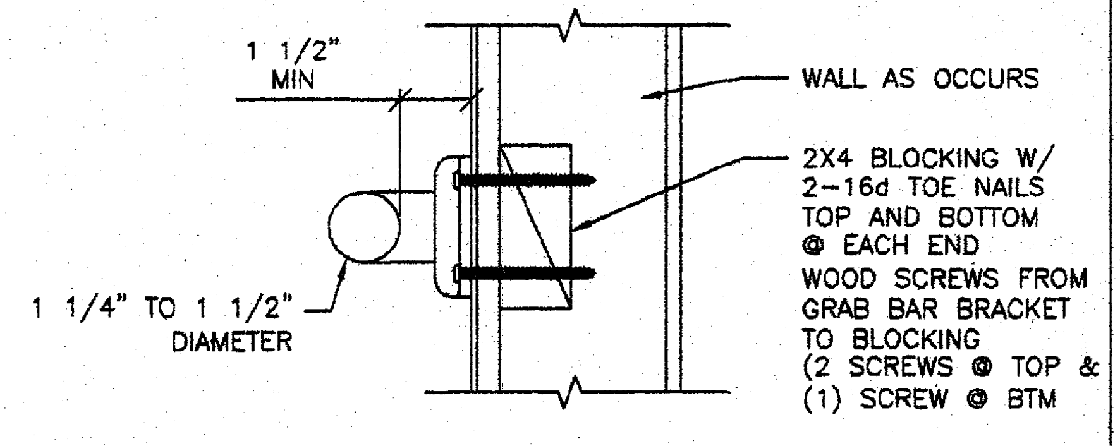

2X4 BLOCKING W/2-16d TOE NAILS TOP AND BOTTOM @ EA END USE #12 X 3" WS @16" O.C. THRU BACK OF CABINET TO BLOCKING
(3) #8 TEK SCREW @ METAL STUDS
TYP UPPER CABINET
SEAL W/ SANITARY CAULKING
POST FORM COUNTERTOP
NO DRIP
SINK WHERE OCCURS
4" RUBBER BASE OVER CABINET FRMG.
REMOVABLE BASE

~~11 / AD CABINET BLOCKING DETAIL~~
~~1/2"=1'-0"~~

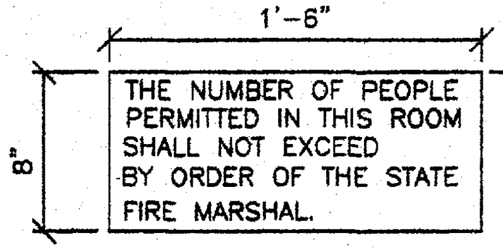
~~NOTE:~~
~~ALL DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS AND SHALL COMPLY WITH SECTION 1118B.4 ITEM 2.~~



~~13 / AD DRINKING FOUNTAIN REQUIRED CLEARANCES~~
~~N.T.S.~~


1 1/2" MIN
1 1/4" TO 1 1/2" DIAMETER
WALL AS OCCURS
2X4 BLOCKING W/ 2-16d TOE NAILS TOP AND BOTTOM @ EACH END
WOOD SCREWS FROM GRAB BAR BRACKET TO BLOCKING (2 SCREWS @ TOP & (1) SCREW @ BTM

12 / AD GRAB BAR BLOCKING DETAIL
3"=1'-0"



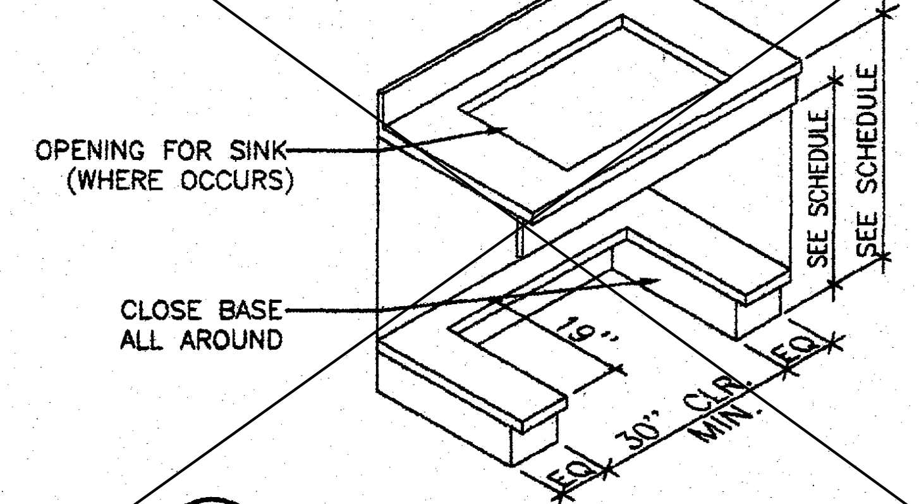
THE NUMBER OF PEOPLE PERMITTED IN THIS ROOM SHALL NOT EXCEED BY ORDER OF THE STATE FIRE MARSHAL.

CAPACITY POSTING
C.B.C. SECTION 1004.3
TITLE 19 C.C.R., SECTION 3.30
THIS ROOM SHALL BE POSTED WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM. THE SIGN SHALL BE WORDED AS FOLLOWS:

TYPESTYLE: 1" HIGH BLOCK
1/16" THICK ENGRAVED PLASTIC
MOUNTING:(4)#8x1" SCREWS.

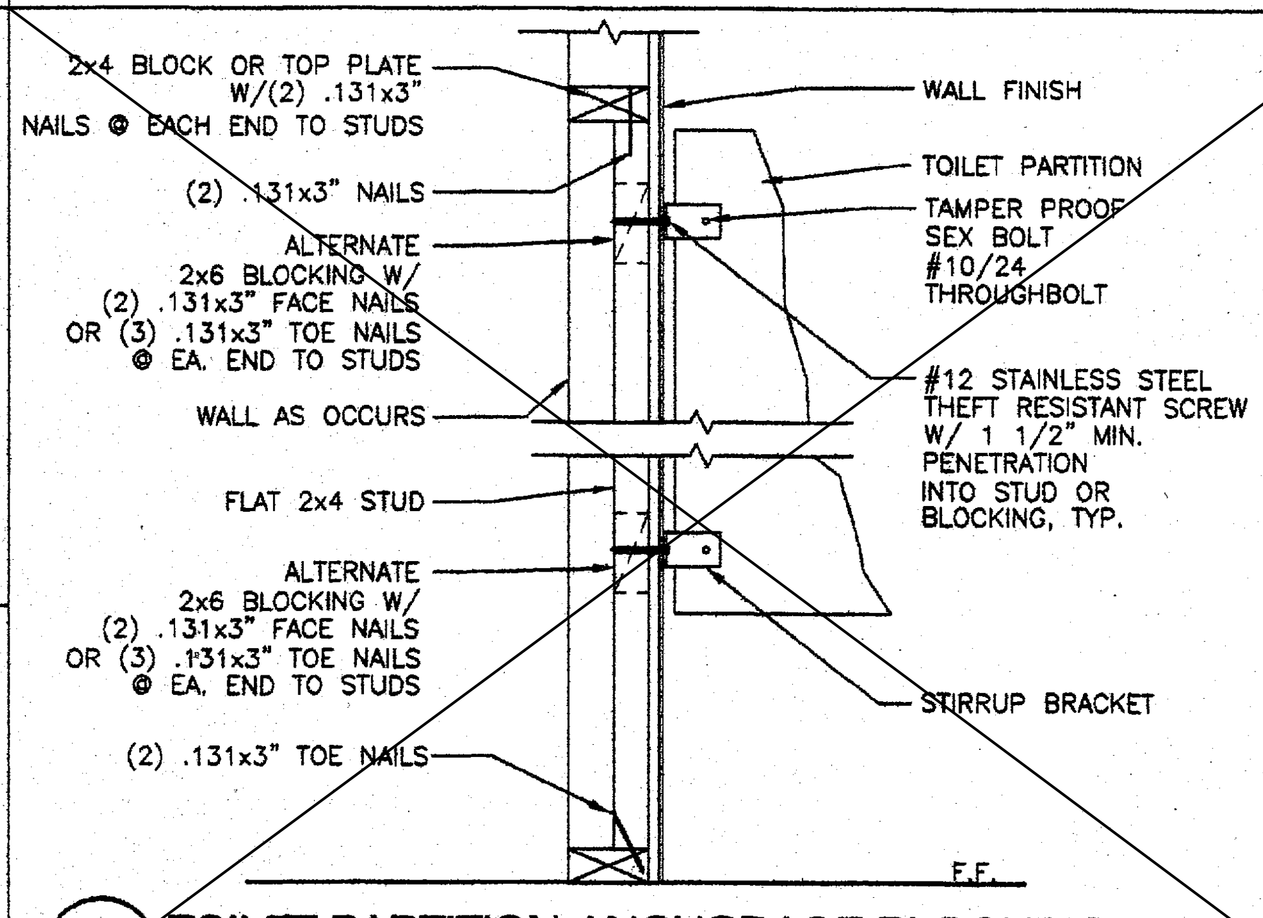
14 / AD OCCUPANT LOAD SIGN
NTS

~~NOTES:~~
- ~~MODIFY BASE AS SHOWN FOR WHEELCHAIR ACCESS.~~
- ~~ALL EXTERIOR SURFACES TO BE PLASTIC LAMINATE.~~
- ~~DOORS NOT SHOWN FOR CLARITY. DOORS ARE TO BE PROVIDED.~~

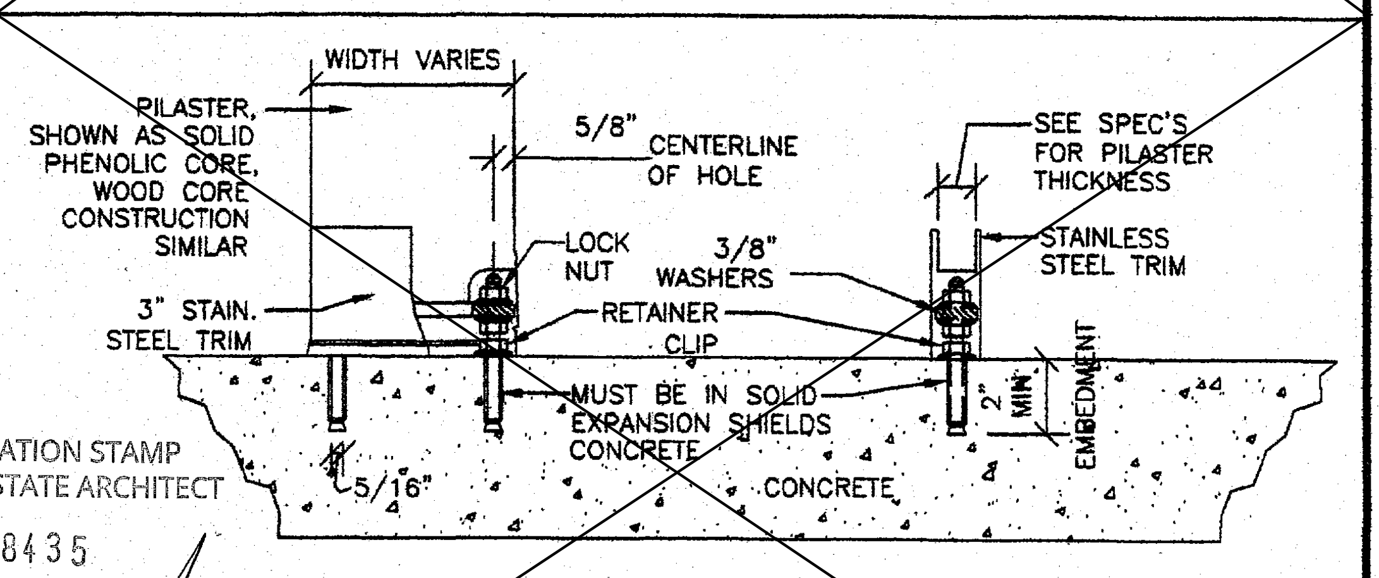


~~15 / AD ACCESSIBLE CABINET ELEVATION~~
~~N.T.S.~~

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ⁄ FLS — SS
DATE MAY 09 2019


2x4 BLOCK OR TOP PLATE W/(2) .131x3" NAILS @ EACH END TO STUDS
(2) .131x3" NAILS
ALTERNATE 2x6 BLOCKING W/ (2) .131x3" FACE NAILS OR (3) .131x3" TOE NAILS @ EA. END TO STUDS
WALL AS OCCURS
FLAT 2x4 STUD
ALTERNATE 2x6 BLOCKING W/ (2) .131x3" FACE NAILS OR (3) .131x3" TOE NAILS @ EA. END TO STUDS
(2) .131x3" TOE NAILS
WALL FINISH
TOILET PARTITION
TAMPER PROOF SEX BOLT #10/24 THROUGHBOLT
#12 STAINLESS STEEL THEFT RESISTANT SCREW W/ 1 1/2" MIN. PENETRATION INTO STUD OR BLOCKING, TYP.
STIRRUP BRACKET
F.F.

~~16 / AD TOILET PARTITION ANCHORAGE BLOCKING~~
~~1" = 1'-0"~~



~~DRILL HOLES FOR FLOOR ATTACHMENT 5/8" FROM EDGE OF PILASTER. TYPICAL FOR ALL LOCATIONS.~~
~~NOTE: PLACE STAINLESS STEEL TRIM ON PILASTER, SLIDE UP BEFORE SECURING PILASTER TO FLOOR ATTACHMENT.~~

~~17 / AD TOILET PARTITION FLOOR ATTACHMENT~~
~~1/2" = 1'-0"~~

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 12/01/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
ACCESSIBLE DETAILS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111852
AC FLS HH SS
DATE NOV 18 2010

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-09

JOHN H. LAWDY
No. 2310
Exp. 3-31

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC FLS HH SS
DATE 1/27/09

PROJECT No.

AD

ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

1. GENERAL
A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS 2007 C.B.C. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
2. SCOPE OF WORK
A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE,MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
  1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
  2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING,MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
  3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
  4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
  5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
  6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
  7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
  8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
  9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
  10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
  11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
  12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
  13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
      FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
  14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALY RECOGNIZED TESTING LABORATORY.

SECTION 2 FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF FOR WOOD FOUNDATIONS, 1500 P.S.F. FOR CON CRETE FOUNDATIONS EMBEDDED 12" MIN BELOW GRADE.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

WORK NOT INCLUDED:

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM,INTERCOM SYSTEM,TV,TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
4. WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. ACCESSIBILITY OF SITE
THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS,FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 5 STEEL

A. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS,TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
B. WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT.
WELDING INSPECTION PER TITLE 24,PART 2,CCR, SECTION 1704A.3.1
WELDING ELECTRODE SHALL BE E70XX.
ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURES CERTIFICATIONS.
  1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36
  2. PIPE COLUMNS SHALL COMFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
  3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
  4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
C. ERECTION - STRUCTURAL STEEL ERECTED TRUE,STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
D. NAILS,BOLTS, SCREWS AND NUTS ETC.- FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
  1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO BOLT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
E. HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
F. SHOP PAINT
  1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
  2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
  3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.
G. TESTS
  1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2,CCR SECTION 2212A.1

SECTION 6A CARPENTRY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL CARPENTRY
2. MATERIALS
LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER,3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B.. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION.
EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
A. JOISTS, PLATES, STUDS-DOUGLAS FIR S4S #2 U.N.O.
NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
B. H.F. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR S4S #1
C. BLOCKING - DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.
D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE,MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 2304.11.2 EACH PIECE SHALL BEAR AWPB STAMP. AWPA STANDARD U1 & T1 GROUND CONTACT,D.F.#2 ABOVE GROUND.
E. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, CBC 2007 17-1 FOR KRAFT, 32-1 FOR FELT.
F. STUDS - S4S DOUG FIR #2. OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
G. FASTENERS -NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2304.9.1.1 COMMON NAILS FOR EXT. SIDING & FNDN. ONLY.
H. BUILDING TRIM - 2X RESAWN SELECT D.F.,H.F.,OR CEDAR
J. DOOR/WINDOW TRIM - 1X4 RESAWN D.F.,H.F.,OR CEDAR.
K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
M. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 717
N. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
O. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
3. WORKMANSHIP
A. FRAMING - SECURELY NAILED,BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBELED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.9.1
C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
D. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED.
E. MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
F. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
G. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS
  A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
  B. SOLDER - OF STAND,GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32.
  C. FLUX - ZINC SATURATED MURIATIC ACID.
  D. GUTTERS: 26 GA. G-90 GALV. STEEL.
     DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
     GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
     GUTTER CLIPS: 18 GA. G-90 GALV. STEEL
3. WORKMANSHIP
SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 85 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
2. MATERIALS
  A. ROOFING - 1 1/4" INCH STANDING SEAM MIN 26-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
  B. ALTERNATE: ROOFING - 3 INCH STANDING SEAM MIN 20-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
  C. ROOFING: CLASS B FIRE RATING

SECTION 7J SEALANT

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIAL AND SERVICES TO SEAL BUILDINGS.
2. MATERIALS
VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
3. WORKMANSHIP
SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION 8 CONCRETE

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-05
2. THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE A FOLLOW:
   SLABS ON GRADE & FOUNDATIONS 2500 PSI (150 PCF)
   CONCRETE OVER METAL DECK 2500 PSI (110 PCF)
3. REINFORCING SHALL CONFORM TO ASTM A615--GRADE 40 UON.
4. CONCRETE COVERAGE SHALL BE AS FOLLOWS, UON ON DRAWINGS:
   CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS) ......3"
   CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS................................2"
   SLABS (ON GROUND)..POSITION IN CENTER OF SLAB
5. ALL BARS SHALL HAVE A CLASS B MINUMUM SPLICE LAP UON.
6. NOTIFY THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.

SECTION 8A EXTERIOR PLASTER

LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER. PER 2507.1

LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN TABLE 2507.2 AND CHAPTER 35 AND, WHERE REQUIRED FOR FIRE PROTECTION, SHALL ALSO CONFORM TO THE PROVISIONS OF CHAPTER 7. PER 2507.2

GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS LISTED IN TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASSEMBLED AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN TABLES 2508.1 AND 2511.1, AND CHAPTER 35 PER 2508.1

1. GENERAL NOTES
PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR GYPSUM BACKING AS SPECIFIED IN SECTION 2510.5
A. THE FIRST COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE LATH. THE SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND TO RECEIVE THE SECOND COAT.
B. THE SECOND COAT SHALL BE BROUGHT OUT TO PROPER THICKNESS, RODDED AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FOR THE FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREATER TO THAN 1/4 INCH (6.4 mm) IN ANY DIRECTION UNDER 5-FOOT STRAIGHT EDGE.
C. THE FINISH COATS SHALL BE APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 926 THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE OF SUFFICIENT THICKNESS TO CONCEAL THE BROWN COAT.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
2. MATERIALS
  A. DOORS - INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY,18 GA. 1 3/4" THICK PER CS242 MIN,REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
  B. FRAMES - 16 GA COLD ROLLED,2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX,PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
3. WORKMANSHIP
ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP,WAVE,BUCKLE OR OTHER DEFECTS AFTER FABRICATION,DOORS AND FRAMES CLEANED THOUROUGHLY,ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 9E PAINTING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
2. MATERIALS
A. FOR EXTERIOR WOOD:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54WZ102	GE2-NXX

B. FOR INTERIOR TRIM

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
A. EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
B. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
C. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
E. RAMP - ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQUAL.
F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT . UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ASSEMBLY OF ELEMENTS
A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT,(APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

SECTION 15A AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M3 FOR HVAC SPEC. AND NOTES)
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
2. EQUIPMENT
SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
3. WORKMANSHIP
UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS,LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
A. PROVIDE CONDUIT WITH PULL STRINGS AND JUNCTION BOXES FOR AUTOMATIC DETECTION FIRE ALARM SYTEM AND NOTIFICATION PER NFPA 72
2. MATERIALS
ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
B. PANELBOARDS - FLUSH MOUNTED.
C. CONDUCTORS - COPPER,INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES.MINIMUM SIZE- #14.
D. RECEPTACLES - AS NOTED. +18" A.F.F. MIN.
E. CLOCK RECEPTACLE - AS NOTED.
F. SWITCHES - AS NOTED. +48" A.F.F. MAX.
G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
3. WORKMANSHIP
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE,NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.).(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
AC ___ FLS ___ SS ___
AUTHORIZED MAY 0 9 2019

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT,IF NECESSARY.
THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE.
ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 12/01/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
GENERAL NOTES

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC ___ FLS PH SS ___
DATE NOV 18 2010

No. C12631
Ren. 3-31-09

No. 2310
Exp. 3-31-11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109835
AC ___ FLS PH SS ___
DATE 1/27/09

PROJECT No.

N1

ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED,UNLESS OTHERWISE SPECIFIED,SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

UP TO (12) APPROXIMATELY 12' x 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

1. MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER.
2. DESIGN WIND LOAD / EXPOSURE
3. DESIGN ROOF LIVE LOAD
4. DESIGN FLOOR LIVE LOAD
5. D.S.A. APPLICATION NUMBER.

2-TAGS PER MODULE ONE ON EXTERIOR AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

MARKERBOARD SPECIFICATIONS

MARKERBOARDS SHALL BE 24 ga. PORCELAIN STEEL FACING SHEET SUITABLE TO ACCEPT DRY ERASE FLET MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD SUBSTRATE WITH A MINIMUM DENSITY OF 45#/c. ft.
THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2-15/16" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 4 X 8 PANELS INSTALLED SIDE BY SIDE TO MAKE A 4 X 16 PANEL, CENTERED ON THE LONG WALLS.
REFERENCE BRANDS: CHATFIELD-CLARKE Co, Inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450

PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

INTERIOR

1. FLOOR: CARPETS - CLASSROOM SHALL BE CARPETED AS INDICATED ON FLOOR PLAN WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-XXX-01, GROUP 1, TYPE A, CLASS 26. COLOR WILL BE SELECTED BY ARCHITECT AFTER AWARD OF BID. THE CARPET DENSITY SHALL BE 4600 MINIMUM. PILE YARN SHALL BE BRANDED NYLON. NO CROSS SEAMS SHALL BE ALLOWED. PILE HEIGHT 1/2" MAX
2. BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE: PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURED BY "JOHNSONITE CO.", FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
3. INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD(U.O.N.) APPLIED IN ONE CONTINUOUS LENGTH FROM FLOOR TO CEILING. THE TACKBOARD SHALL BE INDUSTRIAL INSULATION BOARD MANUFACTURED SPECIFICALLY AS A SUBSTITUTE FOR VINYL COVERED WALL PANELS. THE BOARD SHALL BE ASPHALT FREE, SHALL HAVE AN IRONED-ON COATING AND SHALL HAVE A MINIMUM DENSITY OF 18 LBS. PER FT. THE VINYL COATING SHALL BE MADE OF VIRGIN VINYL CALENDERED BASE COLOR, WEIGHING A MINIMUM OF 8 OZ. PER SQUARE YARD. THE COATING BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATING SHALL BE MECHANICALLY LAMINATED, WITH THE LONG EDGES WRAPPED, TO THE TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR PLYWOOD SHEATHING. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS III FLAME SPREAD RATING. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVERED TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE OR COMPARABLE. CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH.
4. CEILING: SUSPEND T-BAR SYSTEM, SEE SHEET 3 FOR DETAILS ETC. MATERIALS AND INSTALLATION PER CCR 2501.A.5 AND IR #M-3 INCLUSIVE AS APPLICABLE TO CLASSROOMS.

DOORS & WINDOWS

EXTERIOR DOORS: METAL DOORS - 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER CS242 MIN AND REINFORCED WITH 20 GA. MIN. FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR CLOSURE) PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES, DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME ASTM A366 & C5242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHORS PER JAMB PLUS ADJUSTABLE FLOOR ANCHOR.

EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LIGHTS OF GLASS AND THE AIR SPACE. GLAZING MATERIAL SHALL BE:

EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM.
INTERIOR LITE - 1/8" MINIMUM CLEAR TEMPERED.
MINIMUM AIR SPACE SHALLE BE 1/4".
SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL
SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OF SILICONE SECONDARY SEAL.
CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.
HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR PLYWOOD SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTARY. SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANS1), COMMERCIAL GRADE.

HARDWARE

1. EXTERIOR DOOR
   - A) HINGES: HAGER 4-1/2X4-1/2 BUTTS, BB1279 US26D,1-1/2 PAIR EACH DOOR WITH SET SCREW IN BARREL AND BALL BEARING DESIGN, OR APPROVED EQUAL.
   - B) EXTERIOR LOCKSET: SCHLAGE ND70PD CORBIN OR YALE OR EQUIVALENT. ALUM. FINISH. OR PANIC BARS/PULL HANDLE PANIC BAR TYPE VON DUPRIN 22L (PULL ON EXT.) OR CORBIN OR YALE OR EQUIVALENT. ALUM. FINISH. PANIC BARS ARE ONLY REQUIRED WHERE THE OCCUPANT LOAD IS 50 OR MORE.
   - C) CLOSER: NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. MAXIMUM 5 LBS FOR EXTERIOR AND INTERIOR DOORS. THE MAXIMUM EFFORT FOR FIRE DOORS MAY BE INCREASED TO THE MAXIMUM ALLOWED BY THE APPROPIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBS. THE SWEEP PERIOD FROM AN OPEN POSITION OF 70 DEGREES SHALL BE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
   - D) WEATHERSTRIPPING: ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO 299D, ULTRA WS007, AT DOOR JAMBS AND HEAD OR EQUAL.
   - E) THRESHOLD: THRESHOLD SHALL BE PEMKO 271 AV 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH042 DOOR BOTTOM.
   - F) DOORSTOP: QUALITY #44, OR EQUAL.
   - D) INTERIOR LOCKSET: SCHLAGE LEVER HANDLE LOCKSET, AS FOLLOWS:

STUDENT TOILETS	S10A PASSAGE LATCH OR EQUAL
OFFICES	S70D CLASSROOM LOCKSET OR EQUAL
CUSTODIAL	S80A LOCKSET OR EQUAL
PUBLIC TOILETS	S40A PRIVACY LATCHSET OR EQUAL

FIRE EXTINGUISHER

1. EACH PORTABLE CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2AIOBC UL RATING. TO BE MOUNTED ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A MAXIMUM HEIGHT OF 4 FEET TO THE MOUNTING BRACKET AND THE BOTTOM OF FE MOUNTED 27" AFF.
FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.

ACCESSIBILITY STANDARDS

2007 CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CCR)
SEC. 1103B.1 BUILDING ACCESSIBILITY, GENERAL.
THE 2007 CBC REQUIRES THAT BUILDINGS EXCEEDING 10,000 SQUARE FEET ON ANY FLOOR MUST HAVE AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR, OR LIFT WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH STAIR AND EACH ESCALATOR.
TABLE 1115B-1 SUGGESTED DIMENSIONS FOR CHILDREN'S USE.
THE 2007 CBC REQUIRES A 27" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK.
SECTION 1115B.3.1 ACCESSIBLE WATER CLOSET COMPARTMENT.
THE 2007 CBC REQUIRES AN ACCESSIBLE TOILET STALL TO HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.
THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES.
SECTION 1115B.4.4.4. WATER CONTROLS
THE 2007 CBC REQUIRES THAT THE FORCE TO OPERATE A WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED 5LBS. MAXIMUM FORCE (PULL).
SECTION 1117B.5 SIGNS AND IDENTIFICATION (ALSO REFER TO SECTIONS 1115B.6, 1116B, 1007.6.5 1007.7, 1008.1.8.6, 1011.3, 1020.1.5 & 1020.1.6.1-5
THE 2007 CBC MAKES SEVERAL GENERAL DESIGN CHANGES AND CLARIFICATIONS TO SIGNAGE,
*ALL GROUND FLOOR EXIT DOOR SHALL HAVE TACTILE EXIT SIGNAGE.
*AT STAIRS, EACH FLOOR SHALL RECEIVE TACTILE "STAIR LEVEL" SIGNAGE IN ADDITION TO SPECIAL TACTILE AT THE EXIT DISCHARGE LEVEL.
*EACH EXIT DOOR THAT LEADS TO A GRADE LEVEL EXIT BY MEANS OF A STAIRWAY SHALL HAVE TACTILE EXIT SIGNAGE.
*EACH EXIT ACCESS DOOR TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN SHALL BE IDENTIFIED BY TACTILE EXIT SIGNAGE.
SECTION 1129B ACCESSIBLE PARKING REQUIRED.
THE 2001 CBC REQUIRES THE WORDS "NO PARKING", IN 12" HEIGHT WHITE LETTERS, TO BE PAINTED ON THE PAVEMENT WITHIN ALL PARKING SPACE ACCESS AISLES. VAN PARKING ACCESS AISLES SHALL BE PLACED ON THE PASSENGER SIDE OF THE VEHICLE. RAMPS MAY NOT ENCROACH INTO ANY REQUIRED ACCESS AISLE. PARKING SPACE ACCESS AISLES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.*
*EXISTING SITES:
~~AT EXISTING SITES, ANY RAMP WHICH EXCEEDS A 2% SLOPE~~
ACCESS AISLES FOR ACCESSIBLE PARKING SPACES PER CBCS SECTION 1129B, MAY REQUIRED REMOVAL AND REDESIGN PER THE PATH OF TRAVEL (POT) PROVISIONS OF CBCS SECTION 1134B, IN ORDER TO APPROVE THE BUILDING PLACEMENT.
SECTION 1133B.2.5 CLOSER EFFORT TO OPERATE DOORS.
THE 2007 CBC REQUIRES THAT THE EFFORT TO OPEN AN EXTERIOR DOOR SHALL NOT EXCEED 5 POUNDS (PULL).
THE 2007 CBC REQUIRES THAT THE SWEEP PERIOD OF ACCESSIBLE DOORS SHALL BE 3 SECONDS MAXIMUM, BASED ON AN OPEN DOOR POSITION OF 70 DEGREES (FROM CLOSED), TO A DOOR POSITION OF 3" FROM THE LATCH.
SECTIONS 1133B.2.4.5 & 1133B.2.5.3 RECESSED DOORS.
THE 2007 CBC REQUIRES THAT DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-33 (A).
SECTION 1133B.4.2.4 HANDRAIL ORIENTATION.
THE 2007 CBC SPECIFIES THAT AT LEAST ONE HANDRAIL SHALL BE PARALLEL TO THE DIRECTION OF THE STAIR RUN, AND PERPENDICULAR TO THE EDGE OF THE STAIR NOSING.
SECTION 1133B.5.2 RAMP WIDTH:
MINIMUM 48" CLEAR AT OCCUPANT LOAD 300 OR LESS, 60" CLEAR AT OCCUPANT LOAD MORE THAN 300.
RADIUS MINIMUM OF 0.125"
THE 2001 CBC REQUIRES THAT SIGN EDGES LESS THAN 80" ABOVE THE FINISHED FLOOR MUST CONTAIN ROUNDED OR EASED RADIUS MINIMUM OF 0.125"
THE PROJECT PLANS OR SPECIFICATIONS SHALL INDICATE THE REQUIREMENT THAT THE MANUFACTURER SHALL PROVIDE A WRITTEN FIVE-YEAR PRODUCT WARRANTY, IN ACCORDANCE WITH THE BULLETIN.

LIGHT GAUGE METAL STUDS

1. ALL GALVANIZED STUDS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE 2001 AISI/COS/ANSI.
2. ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A 653
3. GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANCE WITH REQUIREMENTS OF ASTM A 653.
PRODUCTS WILL BE FURNISHED WITH A G-60 OR EQUIVALENT COATING IF SPECIFIED AND ORDERED TO BE IN CONFORMANCE WITH ASTM C-955 OTHERWISE, G-40 OR EQUIVALENT COATING WILL BE PROVIDED.

METAL FLOOR DECK

1. SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI " SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION."
2. METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN CONFORMANCE WITH AWS D1.1 AND D1.3 "SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES."
3. ASTM REFERENCE NUMBERS:
A) ASTM A653, STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS STRUCTURAL (PHYSICAL) QUALITY.
4. STEEL DECK INSTITUTE (SDI)-METAL FLOOR DECK PROFILES SHALL BE IN CONFORMANCE WITH SDI STANDARDS.
5. METAL FLOOR DECK TO BE ASC STEEL DECK
   1. B-36, 18 GAUGE
      1 1/2" DEEP X 36" WIDE
   2. N-24, 18 GAUGE
      3" DEEP X 24" WIDE
6. DECK UNITS ARE TO BE FABRICATED FROM SHEET STEEL CONFORMING TO ASTM A653, Fy=38 KSI WITH A GALVANIZED COATING, G-60 OR G-90.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS ✓
DATE MAY 09 2019

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 12/01/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
GENERAL NOTES

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC FLS TH SS
DATE NOV 18 2010

No. C12631
Ren. 3-31-2?

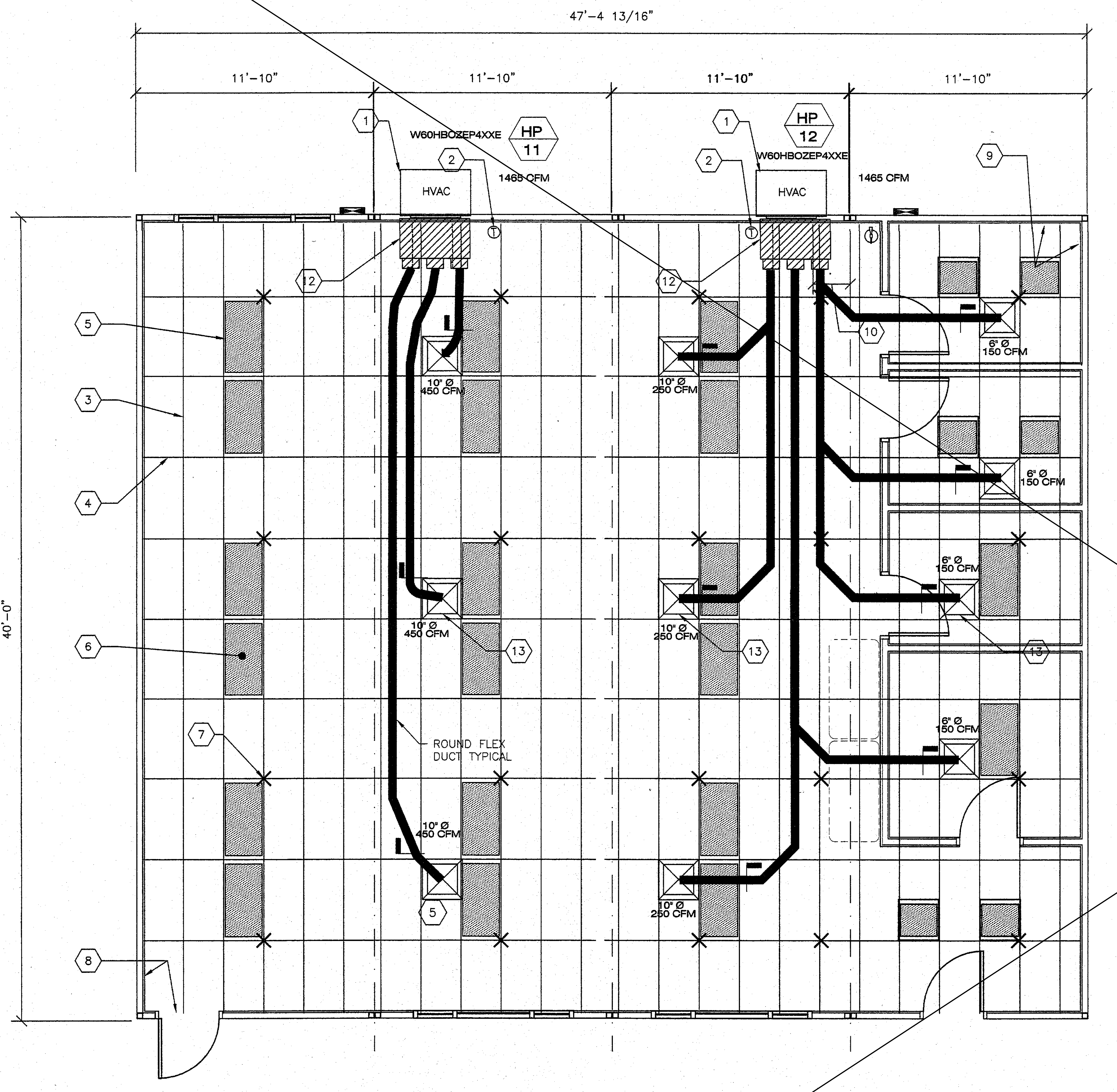
No. 2310

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC FLS TH SS
DATE 1/27/09

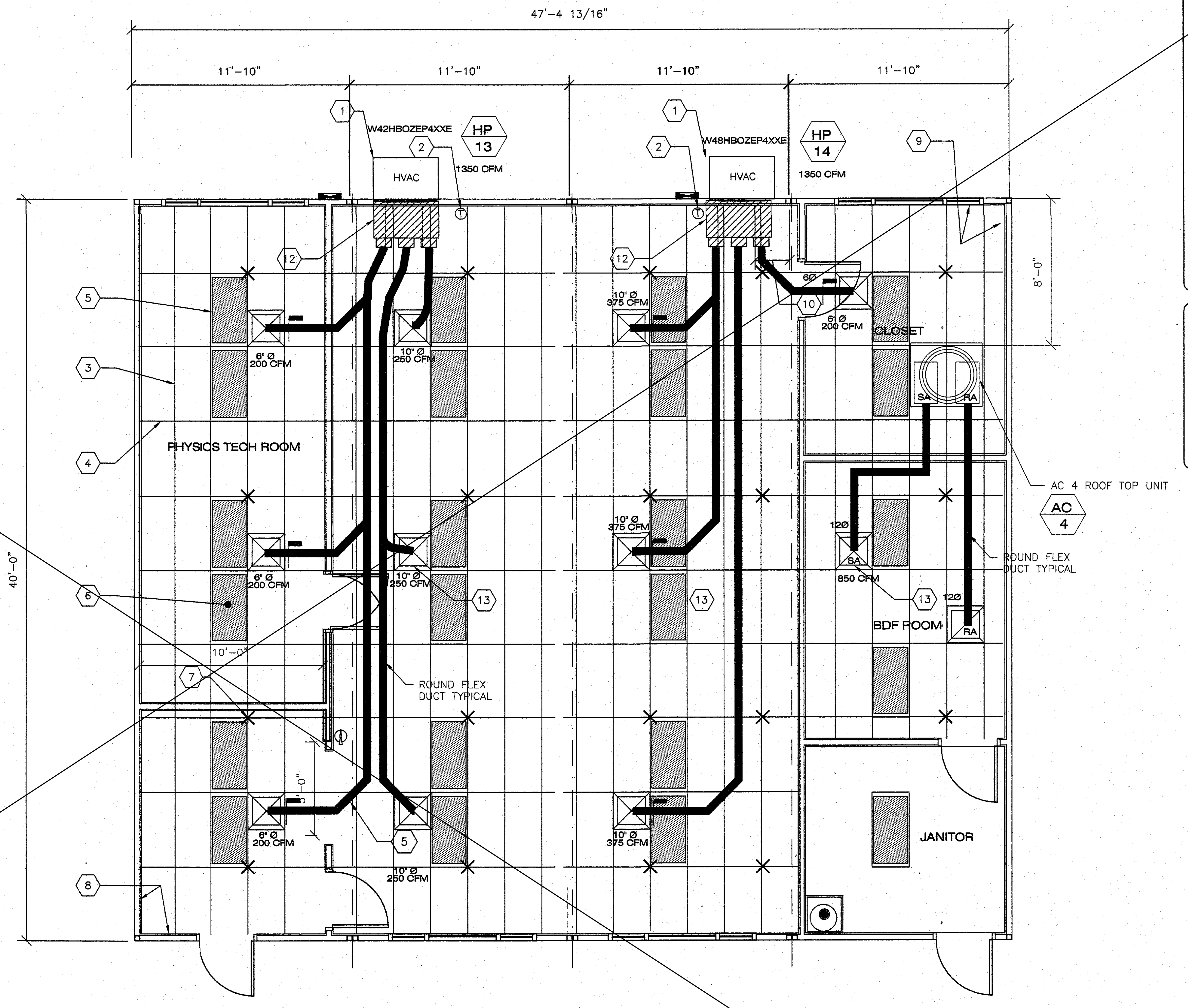
PROJECT No.

N2

ADDENDUM



1 M1.3 **PHYSICS LECTURE/ LAB REFLECTED CEILING PLAN B2-26**
1/4"=1'-0"
SERIAL #10-601-514



2 M1.3 **PHYSICS STOCK ROOM REFLECTED CEILING PLAN B2-27**
1/4"=1'-0"
1SERIAL #10-601-515

- SHEET NOTES -

1. WALL HUNG HVAC UNIT
2. THERMOSTAT @ +60" SEALED
3. MAIN RUNNER TYP
4. CROSS RUNNER TYP
5. INTERIOR LIGHT FIXTURE REFER TO SHEET SHEET E1 FOR SPEC'S
6. CEILING HEIGHT @ 8'-6" NOM
7. SPLAY WIRE SEE 4/M2 FOR DETAILS
8. FIXED CEILING END
9. FREE CEILING END
10. CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED
11. NOT USED
12. CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING
13. TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE

NOTE:
WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPED WITH DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM

AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DO NOT EXCEEDS 100 FT.
PER CMC 609 EXEPTION #2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS / FLS — SS
DATE MAY 09 2019

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
DATE

BASED ON PC 02-109635

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 10/29/10
SCALE: NOTED
DRAWN BY: RS/MP
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE CAREER AND MATHEMATICS BUILDING AND SWING SPACE

48'x40' (ES) RELOCATABLE CLASSROOMS
TYPICAL REFLECTED CEILING PLAN

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

RANDALL PATRICK CAVANAGH
No. C12631

JOHN H. LAWDER
No. 2310

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
07-111652
AC FLS SS
DATE NOV 18 2010

PROJECT No.

M1.3

ADDENDUM

AHU PACKAGED AIR CONDITIONING UNITS

MARK	MANUFACTURER & MODEL	LOCATION	TYPE	SERVICE	AIR FLOW CFM	REPLACEMENT FOR AAON	CARRIER UNIT WT.	NORMAL HEATING INPUT (BTU/HRS)	ELECTRICAL	OUTSIDE AIR
AHU-1	CARRIER 48HCLA0500905	B2-23 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-23 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-2	CARRIER 48HCLA0500905	B2-23 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-23 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-3	CARRIER 48HCLA0500905	B2-24-1 STOCKROOM CHEM. ROOF	ELECT. COOLING GAS HEAT	B2-24-1 STOCKROOM CHEM.	1500	RQ-004	428 LBS.	90,000	230 V-3 PHASE	100%
AHU-4	CARRIER 48HCLA0500905	B2-25 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-25 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-5	CARRIER 48HCLA0500905	B2-25 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-25 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-6	CARRIER 48HCLA600905	B2-28-1 MICRO BIOLOGY LAB ROOF	ELECT. COOLING GAS HEAT	B2-28-1 MICRO BIOLOGY LAB	1500	RN-010	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-7	CARRIER 48HCLA600905	B2-28-1 MICRO BIOLOGY LAB ROOF	ELECT. COOLING GAS HEAT	B2-28-1 MICRO BIOLOGY LAB	1500	RN-010	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-8	CARRIER 48HCLA500905	B2-28-2 PREP. ROOM ROOF	ELECT. COOLING GAS HEAT	B2-28-2 PREP. ROOM	1500	RQ-006	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-9	CARRIER 48HCLA500905	B2-29 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-29 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%
AHU-10	CARRIER 48HCLA500905	B2-29 AMATOMY/PHYS. LAB ROOF	ELECT. COOLING GAS HEAT	B2-29 AMATOMY/PHYS. LAB	1500	RM-A05	450 LBS.	90,000	230 V-3 PHASE	100%

HP HEAT PUMPS

MARK	MANUFACTURER & MODEL	LOCATION	TYPE	SERVICE	AIR FLOW CFM	ELECTRICAL	OPER. WT. LBS.	REMARKS
HP-1	BARD W42HBOZEP4XXE	B2-20 HUSKIES FOOD KIOSK & B2-20-2 HUSKIES STORAGE	WALL MOUNTED HEAT PUMP	B2-20 HUSKIES FOOD KIOSK & B2-20-2 HUSKIES STORAGE	1350	230 V-3 PHASE	550	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-2	BARD W60HBOZEP4XXE	B2-20-1 HUSKIES FOOD KIOSK	WALL MOUNTED HEAT PUMP	B2-20-1 HUSKIES FOOD KIOSK	1350	230 V-3 PHASE	550	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-3	BARD W60HBOZEP4XXE	B2-21 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-21 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-4	BARD W60HBOZEP4XXE	B2-21 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-21 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-6	BARD W60HBOZEP4XXE	B2-22 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-22 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-7	BARD W60HBOZEP4XXE	B2-22 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-22 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-9	BARD W18HBOZEP4XXE	B2-24-2 CLOSET & B2-24-3 EQUIPMENT ROOM	WALL MOUNTED HEAT PUMP	B2-24-2 CLOSET & B2-24-3 EQUIPMENT ROOM	660	230 V-3 PHASE	360	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-11	BARD W60HBOZEP4XXE	B2-26 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-26 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-12	BARD W60HBOZEP4XXE	B2-26 GENERAL PHYSICS LAB	WALL MOUNTED HEAT PUMP	B2-26 GENERAL PHYSICS LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-13	BARD W42HBOZEP4XXE	B2-27-2 PHYSICS TECH ROOM	WALL MOUNTED HEAT PUMP	B2-27-2 PHYSICS TECH ROOM	1350	230 V-3 PHASE	550	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-14	BARD W48HBOZEP4XXE	B2-27-1 PHYSICS STOCK ROOM	WALL MOUNTED HEAT PUMP	B2-27-1 PHYSICS STOCK ROOM	1350	230 V-3 PHASE	550	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-15	BARD W30HBOZEP4XXE	B2-33 OFFICE	WALL MOUNTED HEAT PUMP	B2-33 OFFICE	855	230 V-3 PHASE	400	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-16	BARD W30HBOZEP4XXE	B2-33 OFFICE	WALL MOUNTED HEAT PUMP	B2-33 OFFICE	855	230 V-3 PHASE	400	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-17	BARD W60HBOZEP4XXE	B2-30 LIFE SCI. H.I.T. LAB	WALL MOUNTED HEAT PUMP	B2-30 LIFE SCI. H.I.T. LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
HP-18	BARD W60HBOZEP4XXE	B2-30 LIFE SCI. H.I.T. LAB	WALL MOUNTED HEAT PUMP	B2-30 LIFE SCI. H.I.T. LAB	1465	230 V-3 PHASE	580	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES

EF EXHAUST FANS

MARK	MANUFACTURER & MODEL	TYPE	SERVICE	LOCATION	AIR FLOW CFM	REPLACEMENT FOR COOK
EF-3	GREENHECK CSP	INLINE BLOWER	B2-27-2 JANITORS CLOSET	PLENUM	180	GC-164
EF-4,5	GREENHECK CSP	INLINE BLOWER	B2-23 AMATOMY/PHYS. LAB	PLENUM	1511	GN-940
EF-6	GREENHECK CUBE	UPBLAST CENTRIFUGAL	B2-24-1 LIFE SCI. STOCKROOM FOR FUME HOOD	ROOF	800	100R3B
EF-7,8	GREENHECK CSP	INLINE BLOWER	B2-25 AMATOMY/PHYS. LAB	PLENUM	1511	GN-940
EF-9,10	GREENHECK CSP	INLINE BLOWER	B2-28-1 MICRO BIOLOGY LAB	PLENUM	1362	GN-862
EF-11	GREENHECK CSP	INLINE BLOWER	B2-28-2 PREP. ROOM	PLENUM	1638	GN-960
EF-12,13	GREENHECK CSP	INLINE BLOWER	B2-29 AMATOMY/PHYS. LAB	PLENUM	1511	GN-940
EF-14	GREENHECK CSP	INLINE BLOWER	B2-24-1 LIFE SCI. STOCKROOM	PLENUM	669	GN-720

AC AIR CONDITIONER

MARK	MANUFACTURER & MODEL	LOCATION	TYPE	SERVICE	AIR FLOW CFM	ELECTRICAL	OPER. WT. LBS.	REMARKS
AC-1	AMANA AH093A35MA	B2-24-4 OFFICE	WALL MOUNTED	B2-24-4 OFFICE	310	230 V-1 PHASE	114	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
AC-2	AMANA AH09A35MA	B2-30-2 ADJUNCT FACULTY	WALL MOUNTED	B2-30-2 ADJUNCT FACULTY	310	230 V-1 PHASE	114	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
AC-3	AMANA AH18A35MA	B2-30-4B OFFICE	WALL MOUNTED	B2-30-4B OFFICE	590	230 V-1 PHASE	170	RUN LOW SPEED FAN. PROVIDE WITH FACTORY THERMOSTAT, WALL SLEEVES AND GRILLES
AC-4	CARRIER 50ES-A30-5 ROOF	B2-27 PHYSICS STOCK ROOM	WALL MOUNTED ROOF MOUNTED	B2-27 PHYSICS STOCK ROOM	1000	230 V-1 PHASE	281	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS
DATE MAY 09 2019

LOS ANGELES COMMUNITY COLLGEG DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

DATE

BASED ON PC# 02-109635

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 10/29/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:

(ES) RELOCATABLE CLASSROOMS
PACKAGED AIR CONDITIONING UNITS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

RANDALL PATRICK CAVANAGH
No. C12631
Ren.

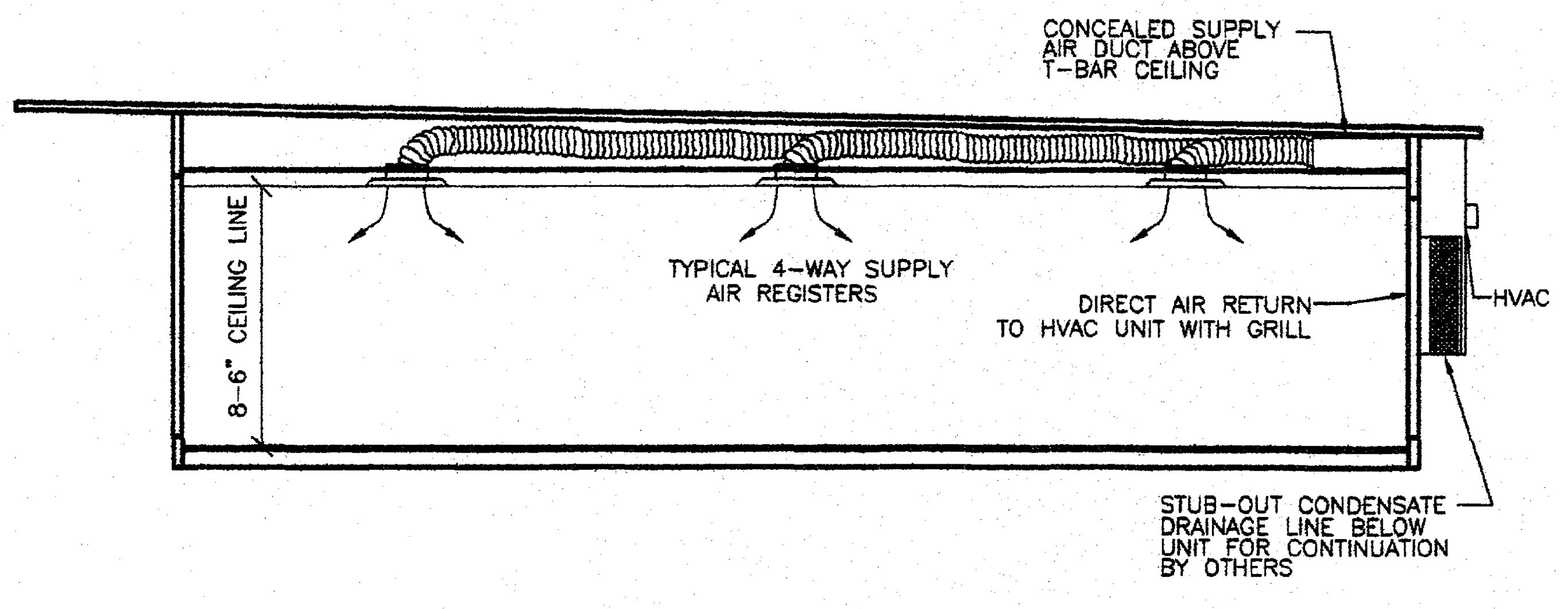
JOHN H. LAWDER
No. 2310
Exp. 3-31-11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-111652
AC FLS SS
DATE NOV 18 2010

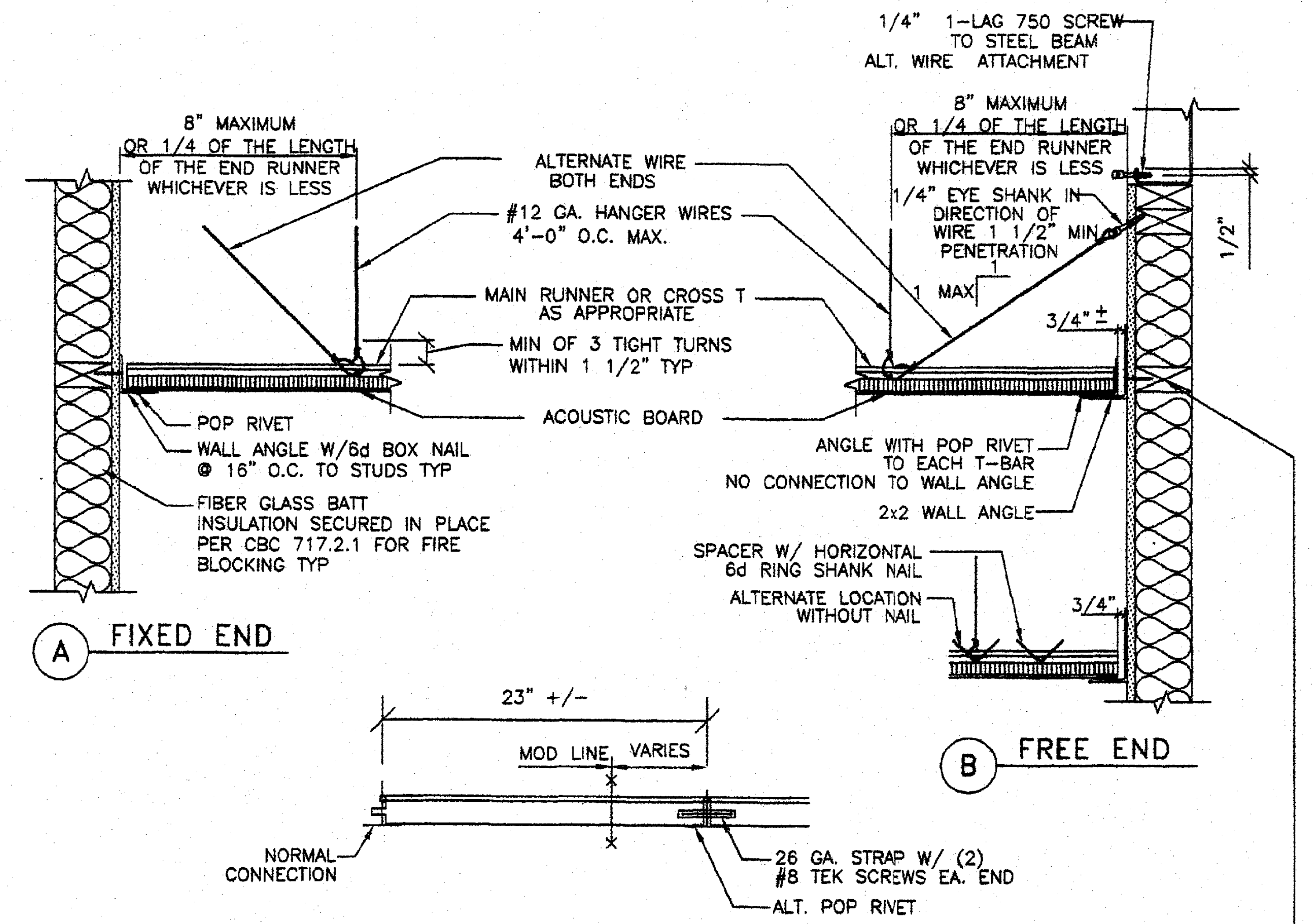
PROJECT No.

M1.6

ADDENDUM

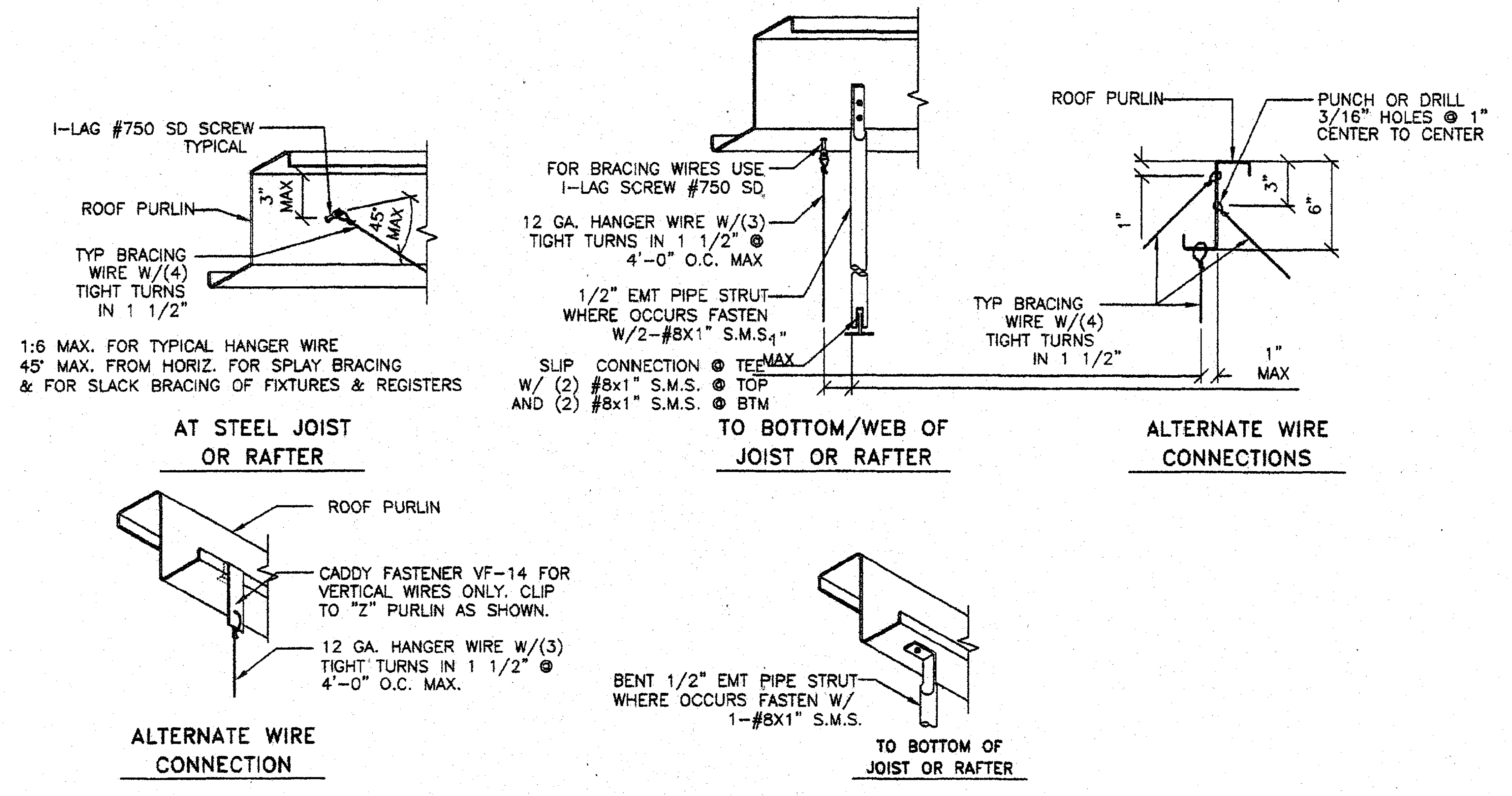

CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING
8-6" CEILING LINE
TYPICAL 4-WAY SUPPLY AIR REGISTERS
DIRECT AIR RETURN TO HVAC UNIT WITH GRILL
HVAC UNIT
STUB-OUT CONDENSATE DRAINAGE LINE BELOW UNIT FOR CONTINUATION BY OTHERS

1/M2 TYPICAL MECHANICAL DETAIL SECTION
3/16"=1'-0"

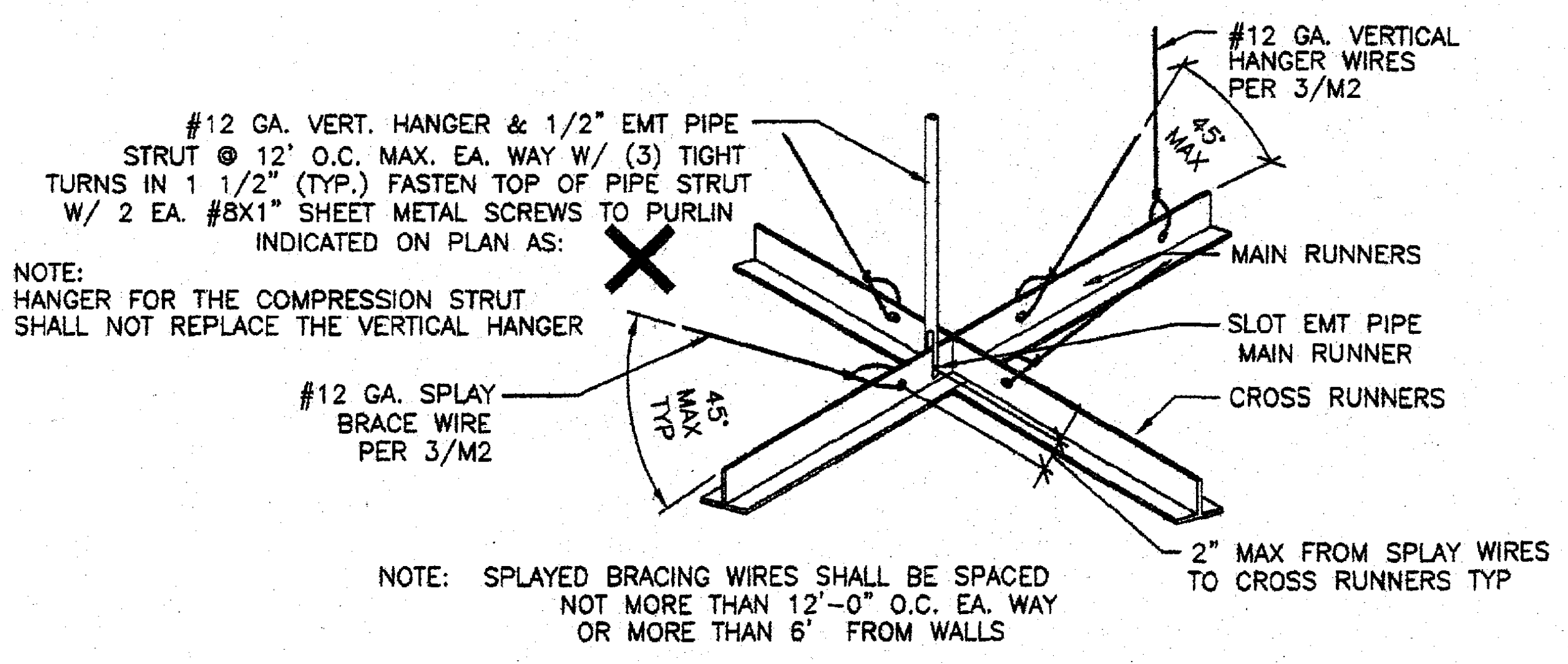

8" MAXIMUM OR 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS
ALTERNATE WIRE BOTH ENDS
#12 GA. HANGER WIRES 4'-0" O.C. MAX.
MAIN RUNNER OR CROSS T AS APPROPRIATE
MIN OF 3 TIGHT TURNS WITHIN 1 1/2" TYP
ACOUSTIC BOARD
POP RIVET
WALL ANGLE W/6d BOX NAIL @ 16" O.C. TO STUDS TYP
FIBER GLASS BATT INSULATION SECURED IN PLACE PER CBC 717.2.1 FOR FIRE BLOCKING TYP
A FIXED END
1/4" 1-LAG 750 SCREW TO STEEL BEAM ALT. WIRE ATTACHMENT
8" MAXIMUM OR 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS
1/4" EYE SHANK IN DIRECTION OF WIRE 1 1/2" MIN PENETRATION
1/2"
1 MAX 1
3/4" ±
ANGLE WITH POP RIVET TO EACH T-BAR NO CONNECTION TO WALL ANGLE
2x2 WALL ANGLE
SPACER W/ HORIZONTAL 6d RING SHANK NAIL
ALTERNATE LOCATION WITHOUT NAIL
3/4"
B FREE END
23" +/-
MOD LINE, VARIES
NORMAL CONNECTION
26 GA. STRAP W/ (2) #8 TEK SCREWS EA. END
ALT. POP RIVET
C CEILING CONNECTION @ MODULE LINE

FIRE BLOCKING REQUIRED AT INTERIOR WALLS EXCEEDING 10' CBC 717.2 TYP.

2/M2 CEILING ATTACHMENTS DETAILS
1 1/2"=1'-0"

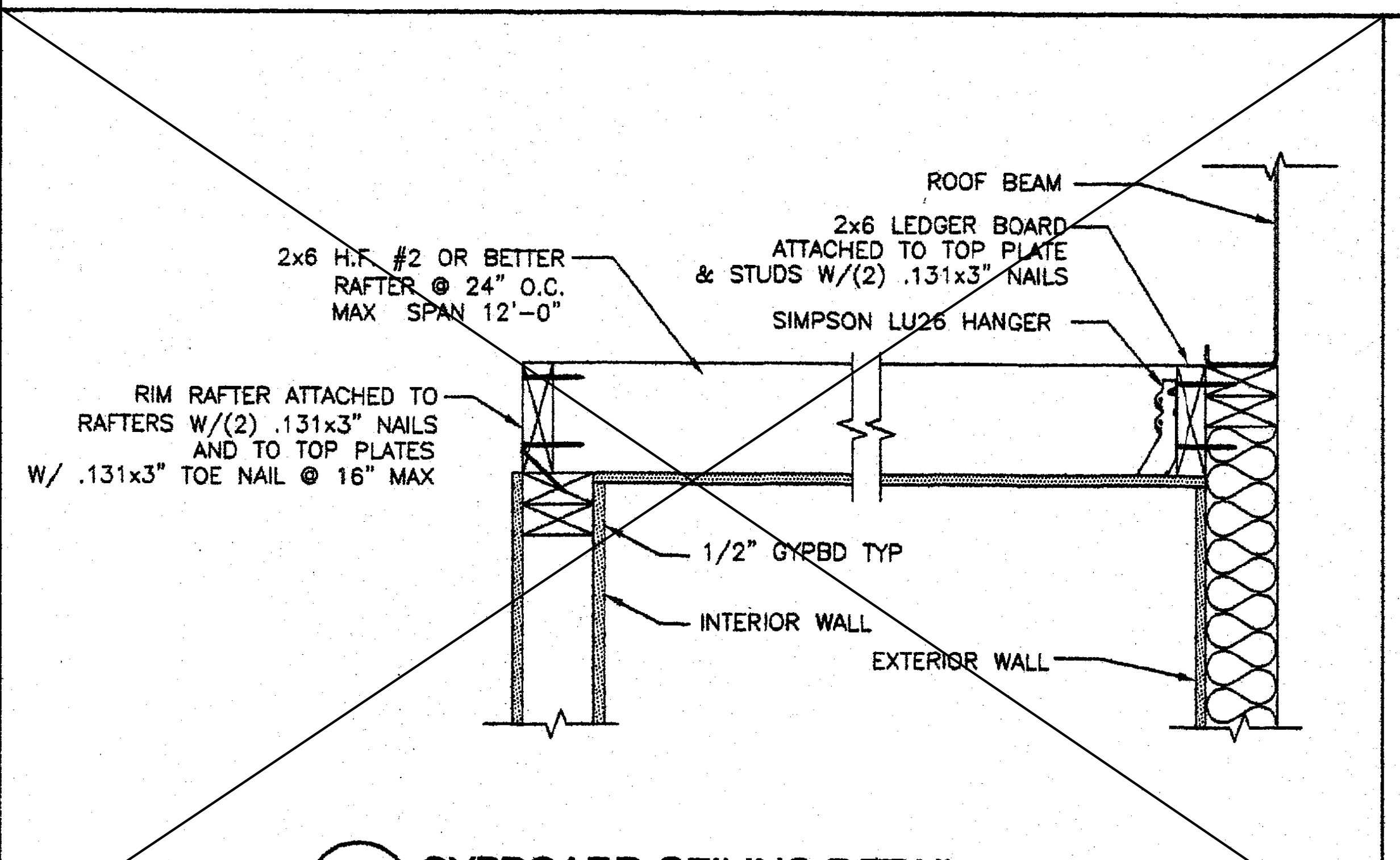

I-LAG #750 SD SCREW TYPICAL
ROOF PURLIN
3" MAX
45° MAX
TYP BRACING WIRE W/(4) TIGHT TURNS IN 1 1/2"
1:6 MAX. FOR TYPICAL HANGER WIRE
45° MAX. FROM HORIZ. FOR SPLAY BRACING
& FOR SLACK BRACING OF FIXTURES & REGISTERS
AT STEEL JOIST OR RAFTER
FOR BRACING WIRES USE I-LAG SCREW #750 SD
12 GA. HANGER WIRE W/(3) TIGHT TURNS IN 1 1/2" @ 4'-0" O.C. MAX
1/2" EMT PIPE STRUT WHERE OCCURS FASTEN W/2-#8X1" S.M.S.
1" MAX
SLIP CONNECTION @ TEE W/ (2) #8x1" S.M.S. @ TOP AND (2) #8x1" S.M.S. @ BTM
TO BOTTOM/WEB OF JOIST OR RAFTER
ROOF PURLIN
PUNCH OR DRILL 3/16" HOLES @ 1" CENTER TO CENTER
1"
3"
6"
TYP BRACING WIRE W/(4) TIGHT TURNS IN 1 1/2"
1" MAX
ALTERNATE WIRE CONNECTIONS
ROOF PURLIN
CADDY FASTENER VF-14 FOR VERTICAL WIRES ONLY. CLIP TO "Z" PURLIN AS SHOWN.
12 GA. HANGER WIRE W/(3) TIGHT TURNS IN 1 1/2" @ 4'-0" O.C. MAX.
ALTERNATE WIRE CONNECTION
BENT 1/2" EMT PIPE STRUT WHERE OCCURS FASTEN W/ 1-#8X1" S.M.S.
TO BOTTOM OF JOIST OR RAFTER

3/M2 CONNECTION TO PURLINS DETAILS
1 1/2"=1'-0"


#12 GA. VERTICAL HANGER WIRES PER 3/M2
45° MAX
#12 GA. VERT. HANGER & 1/2" EMT PIPE STRUT @ 12' O.C. MAX. EA. WAY W/ (3) TIGHT TURNS IN 1 1/2" (TYP.) FASTEN TOP OF PIPE STRUT W/ 2 EA. #8X1" SHEET METAL SCREWS TO PURLIN INDICATED ON PLAN AS:
NOTE: HANGER FOR THE COMPRESSION STRUT SHALL NOT REPLACE THE VERTICAL HANGER
MAIN RUNNERS
SLOT EMT PIPE MAIN RUNNER
CROSS RUNNERS
#12 GA. SPLAY BRACE WIRE PER 3/M2
45° MAX TYP
2" MAX FROM SPLAY WIRES TO CROSS RUNNERS TYP

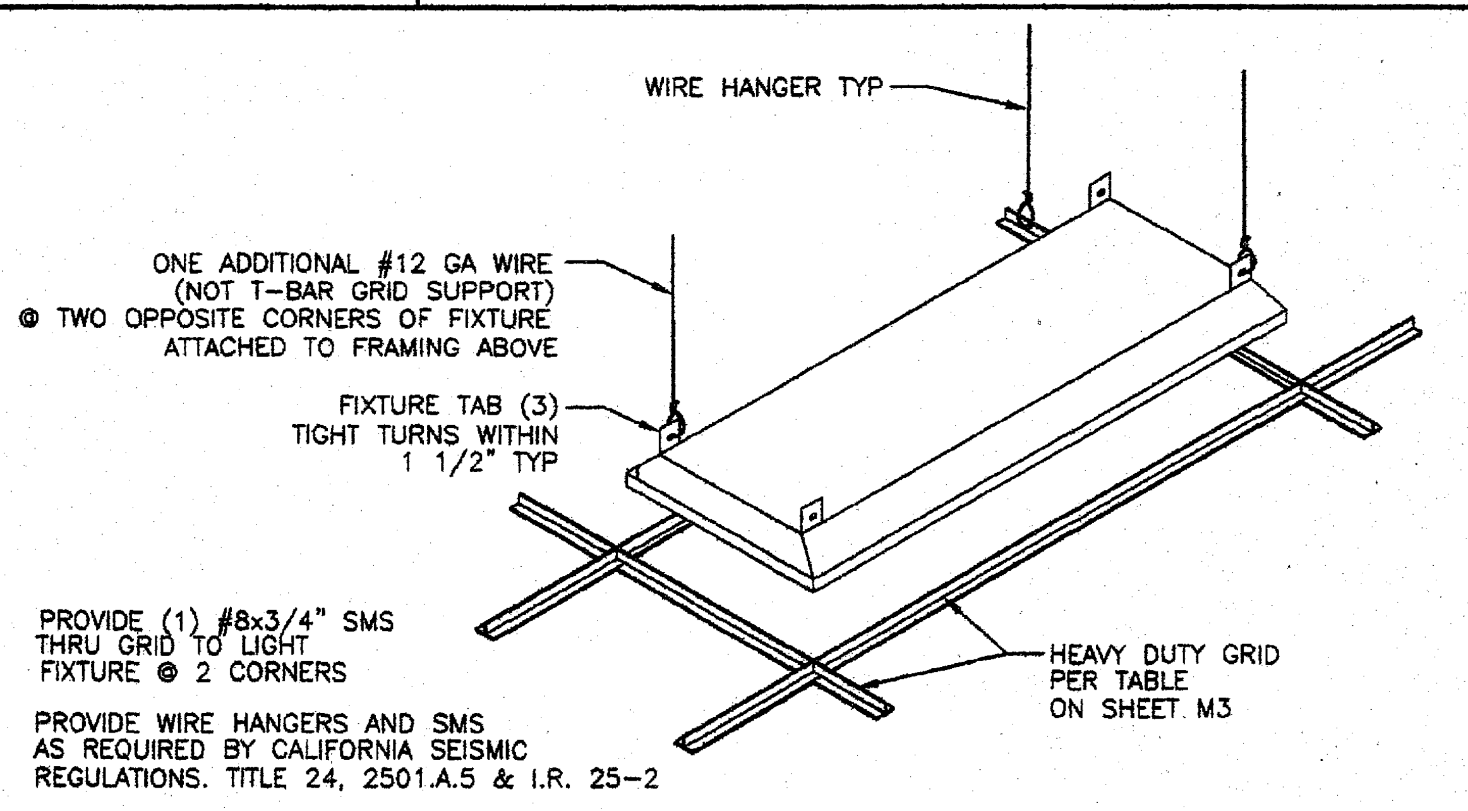
NOTE: SPLAYED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12'-0" O.C. EA. WAY OR MORE THAN 6' FROM WALLS

4/M2 SPLAY WIRE DETAIL
1 1/2"=1'-0"


ROOF BEAM
2x6 LEDGER BOARD ATTACHED TO TOP PLATE & STUDS W/(2) .131x3" NAILS
2x6 H.F. #2 OR BETTER RAFTER @ 24" O.C. MAX SPAN 12'-0"
SIMPSON LU26 HANGER
RIM RAFTER ATTACHED TO RAFTERS W/(2) .131x3" NAILS AND TO TOP PLATES W/ .131x3" TOE NAIL @ 16" MAX
1/2" GYPBD TYP
INTERIOR WALL
EXTERIOR WALL

5/M2 GYPBOARD CEILING DETAIL
1 1/2"=1'-0"

OPTIONAL

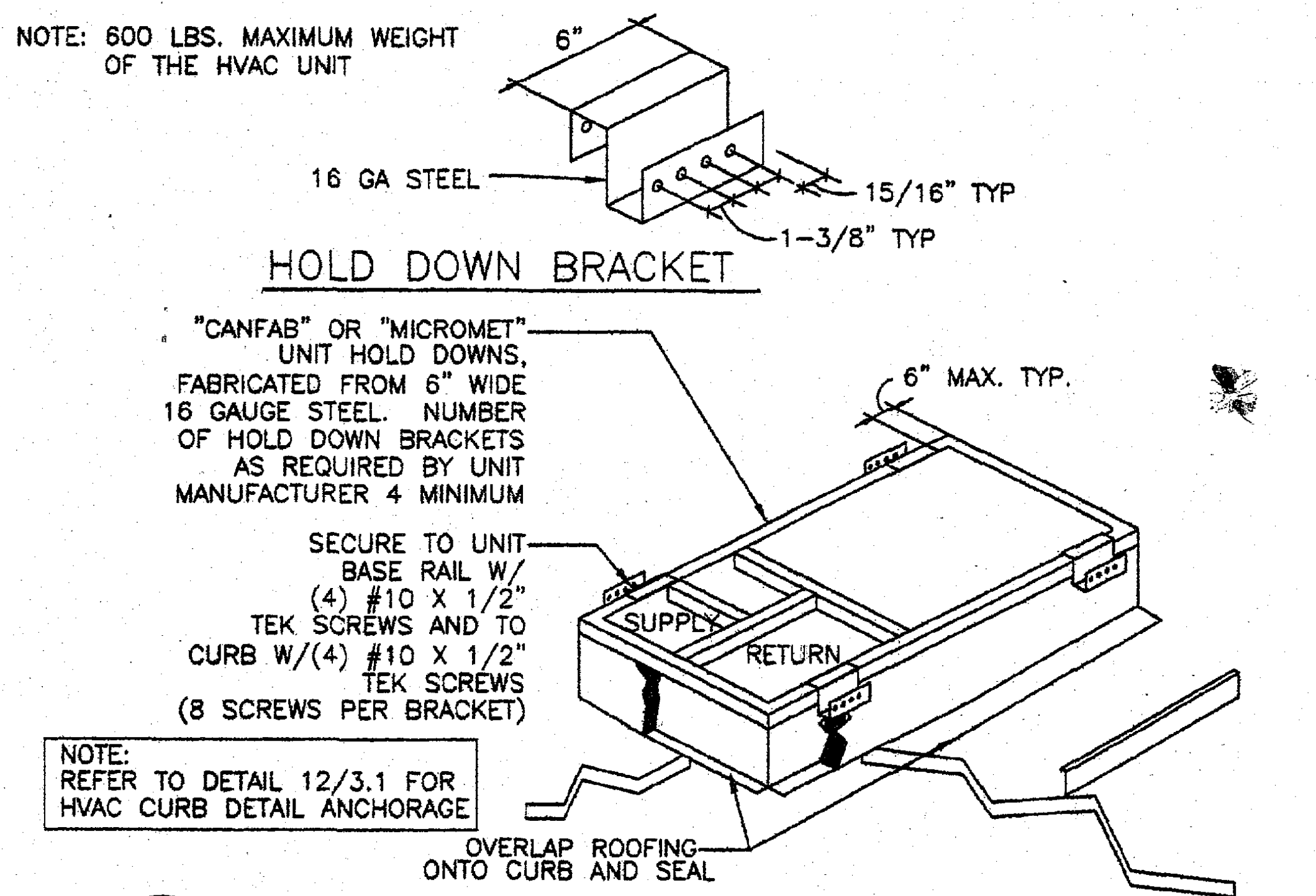

WIRE HANGER TYP
ONE ADDITIONAL #12 GA WIRE (NOT T-BAR GRID SUPPORT) @ TWO OPPOSITE CORNERS OF FIXTURE ATTACHED TO FRAMING ABOVE
FIXTURE TAB (3) TIGHT TURNS WITHIN 1 1/2" TYP
HEAVY DUTY GRID PER TABLE ON SHEET M3

PROVIDE (1) #8x3/4" SMS THRU GRID TO LIGHT FIXTURE @ 2 CORNERS

PROVIDE WIRE HANGERS AND SMS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS. TITLE 24, 2501.A.5 & I.R. 25-2

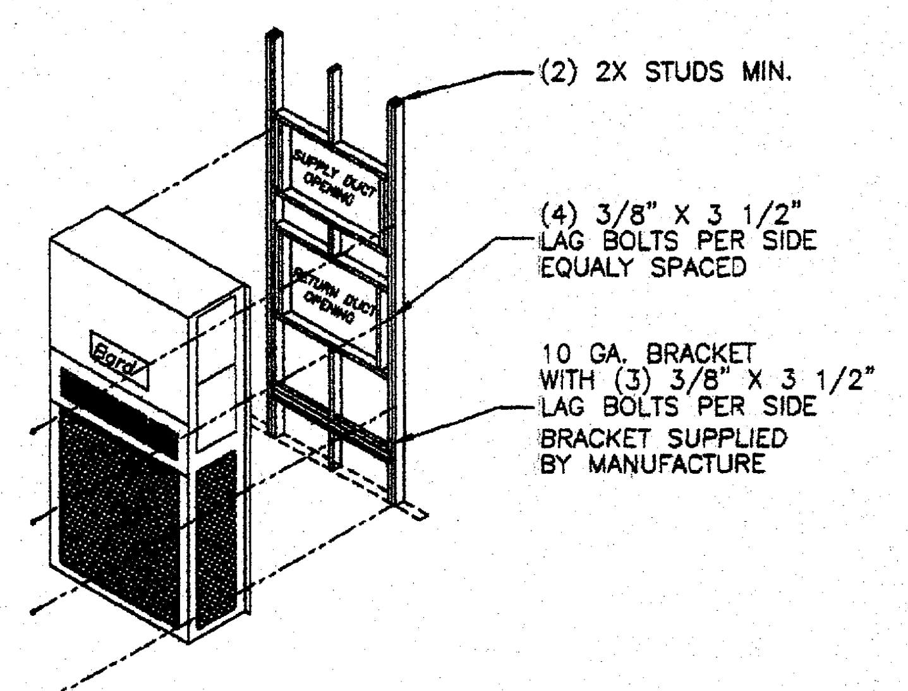
6/M2 LIGHT FIXTURE ATTACHMENT DETAIL
3/4"=1'-0"

NOTE: 600 LBS. MAXIMUM WEIGHT OF THE HVAC UNIT

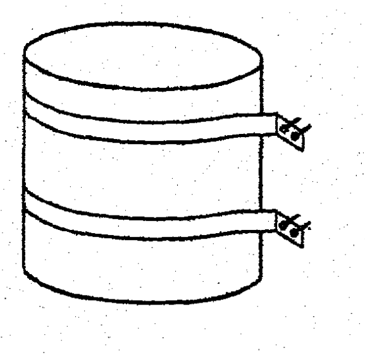

6"
16 GA STEEL
15/16" TYP
1-3/8" TYP
HOLD DOWN BRACKET
"CANFAB" OR "MICROMET" UNIT HOLD DOWNS, FABRICATED FROM 6" WIDE 16 GAUGE STEEL. NUMBER OF HOLD DOWN BRACKETS AS REQUIRED BY UNIT MANUFACTURER 4 MINIMUM
6" MAX. TYP.
SECURE TO UNIT BASE RAIL W/ (4) #10 X 1/2" TEK SCREWS AND TO CURB W/(4) #10 X 1/2" TEK SCREWS (8 SCREWS PER BRACKET)
SUPPLY
RETURN
NOTE: REFER TO DETAIL 12/3.1 FOR HVAC CURB DETAIL ANCHORAGE
OVERLAP ROOFING ONTO CURB AND SEAL

7/M2 ROOF CURB ELEVATION
N.T.S.

OPTIONAL


(2) 2X STUDS MIN.
SUPPLY DUCT OPENING
RETURN DUCT OPENING
Bard
(4) 3/8" X 3 1/2" LAG BOLTS PER SIDE EQUALY SPACED
10 GA. BRACKET WITH (3) 3/8" X 3 1/2" LAG BOLTS PER SIDE BRACKET SUPPLIED BY MANUFACTURE

8/M2 WALL MOUNT HVAC ANCHORAGE
N.T.S.

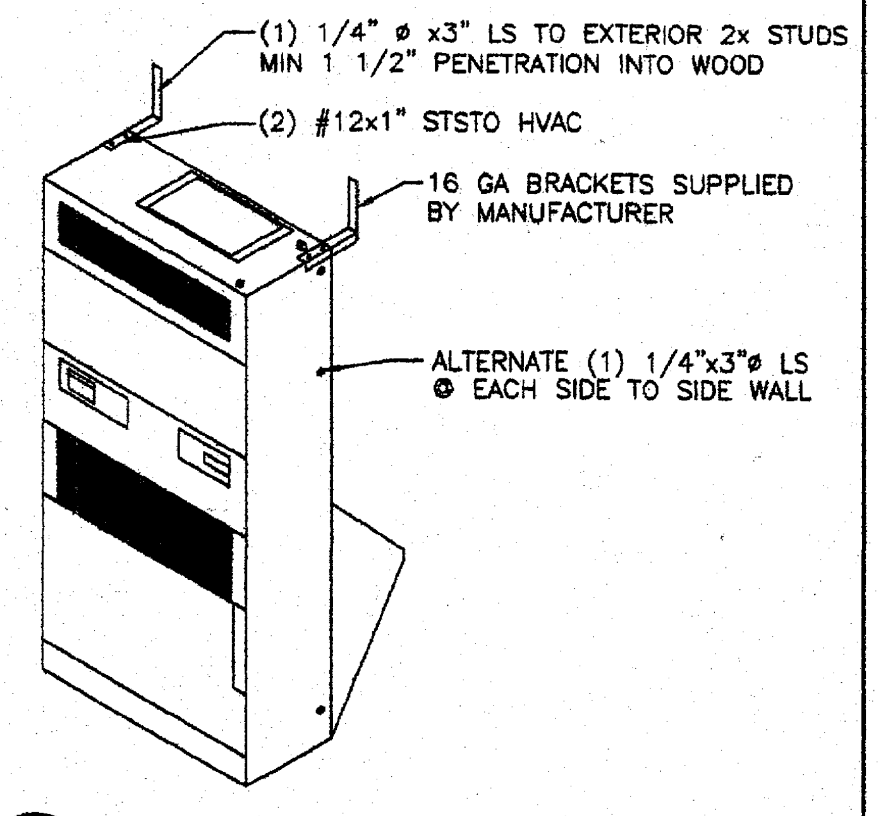


SUPPORT WATER HEATER WITH (2)- 22 ga. S.M. STRAP X 1 1/2" WIDE WITH 2-#12 x 3" HEX HEAD WOOD SCREWS AT EACH END TO A STUD OR SOLID BLOCKING.

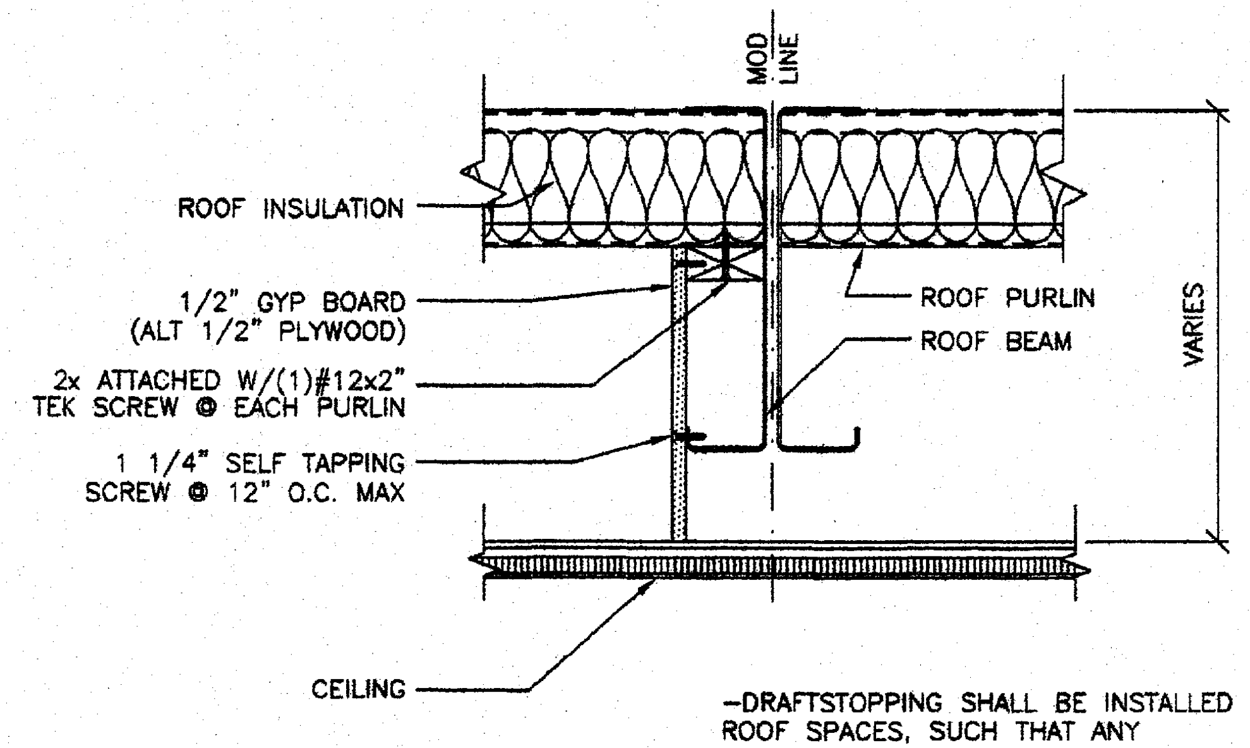
NOTE:
PRESSURE RELIEF VALVE SHALL BE PLUMB TO OUTSIDE/EXTERIOR OF BUILDING

MAX. WT. 300 #

9/M2 WATER HEATER SUPPORT DETAIL
NTS


(1) 1/4" ø x3" LS TO EXTERIOR 2x STUDS MIN 1 1/2" PENETRATION INTO WOOD
(2) #12x1" STSTO HVAC
16 GA BRACKETS SUPPLIED BY MANUFACTURER
ALTERNATE (1) 1/4"x3"ø LS @ EACH SIDE TO SIDE WALL

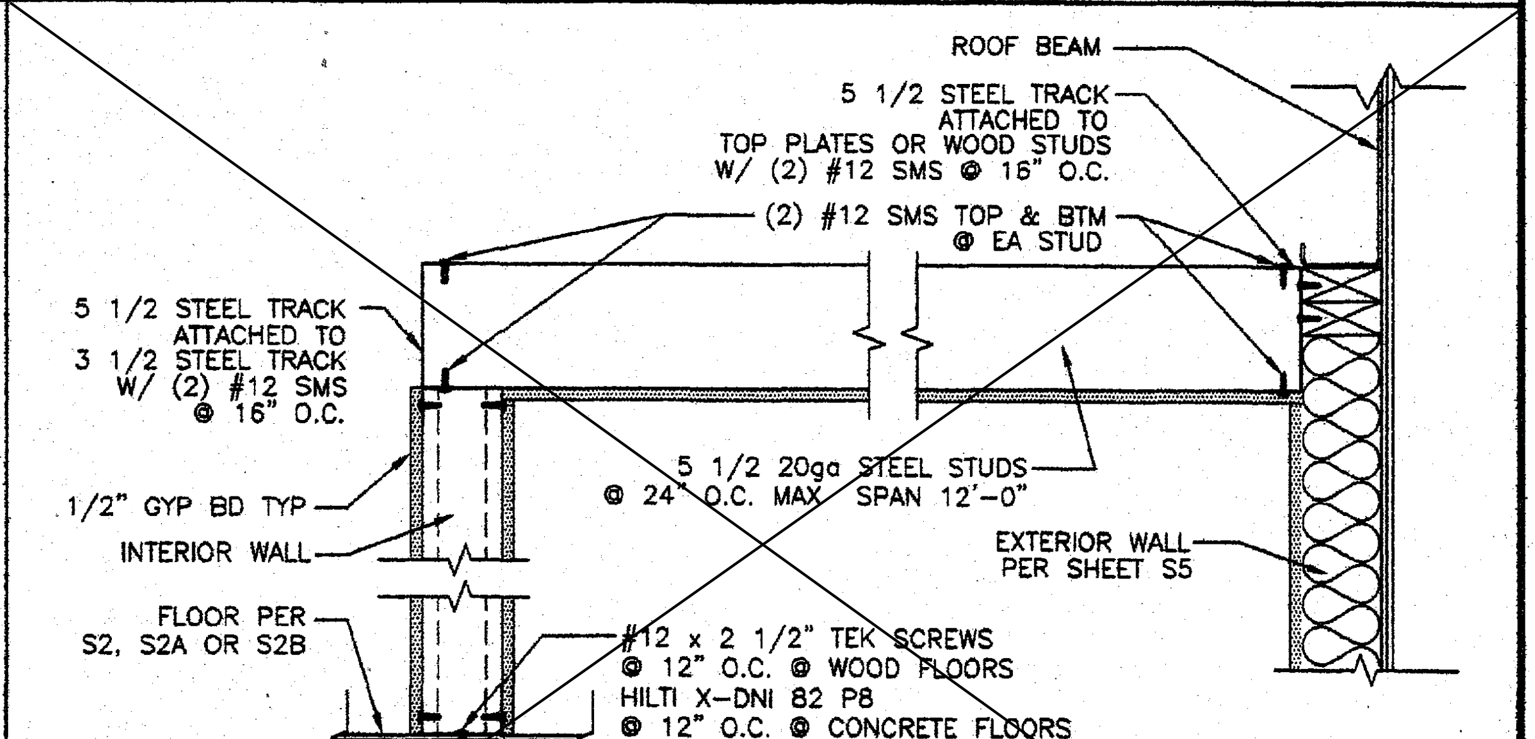
10/M2 INTERIOR HVAC ANCHORAGE
N.T.S.


MOD LINE
ROOF INSULATION
1/2" GYP BOARD (ALT 1/2" PLYWOOD)
2x ATTACHED W/(1)#12x2" TEK SCREW @ EACH PURLIN
1 1/4" SELF TAPPING SCREW @ 12" O.C. MAX
ROOF PURLIN
ROOF BEAM
VARIES
CEILING

-DRAFTSTOPPING SHALL BE INSTALLED IN ATTICS AND CONCEALED ROOF SPACES, SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000 SQUARE FEET (279 M) PER 717.4.3
EXCEPTIONS

1. IN OTHER THAN HIGH-RISE BUILDINGS, GROUP A,E,H,I AND L OCCUPANCIES AND OTHER APPLICATIONS LISTED IN SECTION 111 REGULATED BY THE OFFICE OF THE STATE FIRE MARSHAL DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1

11/M2 DRAFT STOP DETAIL
1 1/2"=1'-0"


ROOF BEAM
5 1/2 STEEL TRACK ATTACHED TO TOP PLATES OR WOOD STUDS W/ (2) #12 SMS @ 16" O.C.
(2) #12 SMS TOP & BTM @ EA STUD
5 1/2 STEEL TRACK ATTACHED TO 3 1/2 STEEL TRACK W/ (2) #12 SMS @ 16" O.C.
1/2" GYP BD TYP
INTERIOR WALL
5 1/2 20ga STEEL STUDS @ 24" O.C. MAX SPAN 12'-0"
EXTERIOR WALL PER SHEET S5
FLOOR PER S2, S2A OR S2B
#12 x 2 1/2" TEK SCREWS @ 12" O.C. @ WOOD FLOORS
HILTI X-DNI 82 P8 @ 12" O.C. @ CONCRETE FLOORS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS FLS SS
DATE MAY 09 2019

12/M2 GYPBOARD CEILING DETAIL W/ STEEL STUDS
1 1/2"=1'-0"

OPTIONAL

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 12/01/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
MECHANICAL BUILDING SECTION & CEILING DETAILS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC FLS SS
DATE NOV 18 2010

No. C12631
Ren. 3-31-11

No. 2310
Exp. 3-31-11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109535
AC FLS SS
DATE 1/27/09

PROJECT No.
PC

M2

ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   - (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   - (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS

   THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.
7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC.,

9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS WITH SCREWS OR APPROVED FASTENERS AS REQUIRED TO RESIST A HORIZONTAL FORCE EQUAL TO THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
    CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, OR DONN(USG) PER ASTM C635
    MANUFACTURER'S CATALOG NUMBER – MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01 OR DX26.
    MANUFACTURER'S CATALOG NUMBER – CROSS RUNNER CHICAGO METALLIC 1214-01 OR DONN DX 416 CROSS TEES.
    MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
    ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS T, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

TABLE A HEAVY DUTY GRID COMPONENTS

MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE
DONN/USG	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
CHICAGO MET.	200-01	1204-01	1226-01

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

HVAC CFM CHART

MODEL NUMBER	DESCRIPTION	MAX. CFM	UNIT WEIGHT LBS.
WH421-A	3 1/2 TON HEAT PUMP	1400	530
WH482-A	4 TON HEAT PUMP	1550	560
WH602-A	5 TON HEAT PUMP	1700	560

GENERAL NOTES

HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. HEAT PUMP: SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARD 240-77.
   REFERENCE
   BRANDS: BARD WH421-AXXXXXXX
   BARD WH482-AXXXXXXX
   BARD WH602-AXXXXXXX
   MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT
   ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE AND MEET CURRENT ENERGY STANDARDS.
   - A.) THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 DEGREES
   - F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER
   - B.) THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE THIRD FRESH AIR.
2. DUCTWORK.
   - A.) CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C., ASHRAE GUIDE EQUIPMENT VOLUME AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 2'-0" OF HVAC UNIT.
   - B.) NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM RIGID 1" FIBERGLASS OR INSULATED FLEX-DUCT WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 2'-0" OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK AND REINFORCEMENT SHALL BE DESIGNED FOR 2" STATIC PRESSURE.
     REFERENCE BRANDS: OWENS-CORNING FIBERGLASS DUCTTBOARD, 1" THICK, AND MICRO-AIRE, TYPE 475.
     NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMACNA CLASS 1 RATING.
3. AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE GENERATION LESS THAN OR EQUAL TO 50.
4. SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAX. 12" ROUND.
   1" FIBERGLASS OR FLEXDUCT
   DUCTWORK SPECIFICALLY DESIGNED TO PROVIDE AIR THERMAL COOLING SYSTEMS. 24"X8"X1" MICRO-AIRE TYPE #475 OWENS-CORNING, KNAUF, CERTAINTEED, OR EQUAL AND 90- B: UL #131 TEST, CLASS 1 RATING WITH "SMACNA".
5. REGISTERS AND DIFFUSERS: PROVIDE THREE (MIN) 4-WAY THROW AIR DIFFUSERS AS MANUFACTURED CARNES, TITUS, HART AND COOLEY, METALAIRE, SHOEMAKER, BARBER-COLEMAN OR KRUEGER COMMERCIAL GRADE GRILLS AND REGISTERS
6. AIR CONDITIONING CONTROLS.
   THERMOSTAT: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS.
   - A.) 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING WITH 4 SEPARATE TIME/TEMPERATURE SETTING FOR 24-HOUR PERIOD.
   - B.) KEY BOARD LOCKOUT SWITCH.
   - C.) PROGRAMMABLE DISPLAY.
   - D.) 2-HOUR OVERRIDE MINIMUM.
   - E.) STATUS INDICATED LED'S.
   - F.) BATTERY BACK-UP.

   PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODERS IF92-371. MOUNT @ +60" w/COVER (SEALED-SETTING ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.)
   +48" UNSEALED.
7. THERMAL INSULATION
   - A.) ROOF INSULATION: R-19 UNFACED.
   - B.) WALLS INSULATION: R-13 KRAFT FACED.
   - C.) FLOORS INSULATION: CONCRETE FLOOR

   FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 719.
8. FACTORY-MADE AIR DUCTS. FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARD NO. 6-1. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCEWITH U.M.C. STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING AND THE REQUIREMENTS OF UMC STD. 6-1.

   DUCT SUPPORT
   FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAP @ MAX 6'-0" O.C. ATTACH TO RAFTER W/2 #8 SMS @ EACH END.
   SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE X 26 GA. GALV. STRAPS MIN. 2 PER PLENUM.
   SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.
   SUPPLY AIR BOX AND DIFFUSERS TO BE BRACED WITH (2) 12 GA. SLACK WIRES TO BOX @ OPPOSITE CORNERS. ATTACH SUPPLY AIR DIFFUSERS TO CEILING GRID TO RESIST A LATERAL LOAD EQUAL TO THE WEIGHT OF THE DIFFUSER AND SUPPLY AIR BOX W/2 #8 SMS.
9. FIREBLOCKING:
   SHALL BE PROVIDED IN THE FOLLOWING LOCATION
10. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS AND AT 10-FOOT (3048mm) INTERVALS BOTH VERTICAL AND HORIZONTAL. SEE CBC SECTION 717.2

INSULATION SCHEDULE

ZONE	WALL	ROOFS	FLOORS
1-14 & 16	R -13	R -19	R -13
15	R -13	R -30	R -13

HVAC SCHEDULE

BUILDING SIZE	# OF HVAC 3 ½ TON HVAC	 4 TON HVAC	 5 TON HVAC
24' x 40'	1		
36' x 40'		1	
48' x 40'	2		
60' x 40'		2	
72' x 40'			2
84' x 40'			2
96' x 40'		3	
108' x 40'			3
120' x 40'			3
132' x 40'			3
144' x 40'		4	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS ✓
DATE MAY 09 2019

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 12/01/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
CEILING & MECHANICAL NOTES

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC BD FLS TH SS
DATE NOV 18 2010~~

RANDALL PATRICK CAVANAGH
No. C12631
Ren. 3-31-09

JOHN H. LAWDER
No. 2310
Exp. 3-31-11

~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC FLS TH SS
DATE 1/29/09~~

PROJECT No.

M3

ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

VOLTS: 120/230 THREE PHASE | PANEL: A HUSKIES | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS	WATTS A	WATTS B	BRK. AMP	BRK. P	CIR	CIR	BRK. P	BRK. AMP	WATTS A	WATTS B	WATTS C	LOAD
HVAC 3.5 TON	3374			50	3	1	2	3	50	3374			HVAC 3.5 TON
" "		3374				3	4				3374		" "
" "			3374			5	6					3374	" "
FANS	400			20	1	7	8	1	20	200			DUPLEX RECEPT
LIGHTS, FLUORESCENT		400		20	1	9	10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			200	20	1	11	12	1	20			400	DUPLEX RECEPT
DUPLEX RECEPT	200			20		13	14		20	200			DUPLEX RECEPT
DUPLEX RECEPT.		200		20	1	15	16	1	20		200		DUPLEX RECEPT.
WATER HEATER			3000	20	2	17	18	1	20			200	DUPLEX RECEPT.
WATER HEATER	3000			20		19	20	1	20	400			DUPLEX RECEPT.
SPACE						21	22	1	20		400		DUPLEX RECEPT.
LIGHTS, FLUORESCENT			400	20	1	23	24	1	20			400	DUPLEX RECEPT.
SPACE						25	26	1	20	400			DUPLEX RECEPT.
SPACE						27	28	1	20		400		DUPLEX RECEPT.
SPACE						29	30						SPACE
						31	32						
						33	34						
						35	36						
						37	38						
						39	40						
PHASE WATTAGE	6974	3974	6974							4574	4774	4374	PHASE WATTAGE

WATTS "A"LEG: 11548 | WATTS "B" LEG 8748 | WATTS "C" LEG 11348 | TOTAL WATTS A+B+C=31644
TOTAL WATTS: 31644 | 87 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: B GEN. PHYSICS | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS	WATTS A	WATTS B	BRK. AMP	BRK. P	CIR	CIR	BRK. P	BRK. AMP	WATTS A	WATTS B	WATTS C	LOAD
HVAC 5 TON	3374			60	3	1	2						
" "		3374				3	4	1	20		645		LIGHTS, FLUORESCENT
" "			3374			5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9	10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			400	20	1	11	12	1	20			200	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	13	14						
DUPLEX RECEPT.		400		20	1	15	16						
DUPLEX RECEPT			400	20	1	17	18						
DUPLEX RECEPT	400			20	1	19	20						
DUPLEX RECEPT		400		20	1	21	22						
DUPLEX RECEPT			400	20	1	23	24						
DUPLEX RECEPT	400			20	1	25	26						
SPACE						27	28						
SPACE						29	30						SPACE
PHASE WATTAGE	4974	4574	4574							400	1045	845	PHASE WATTAGE

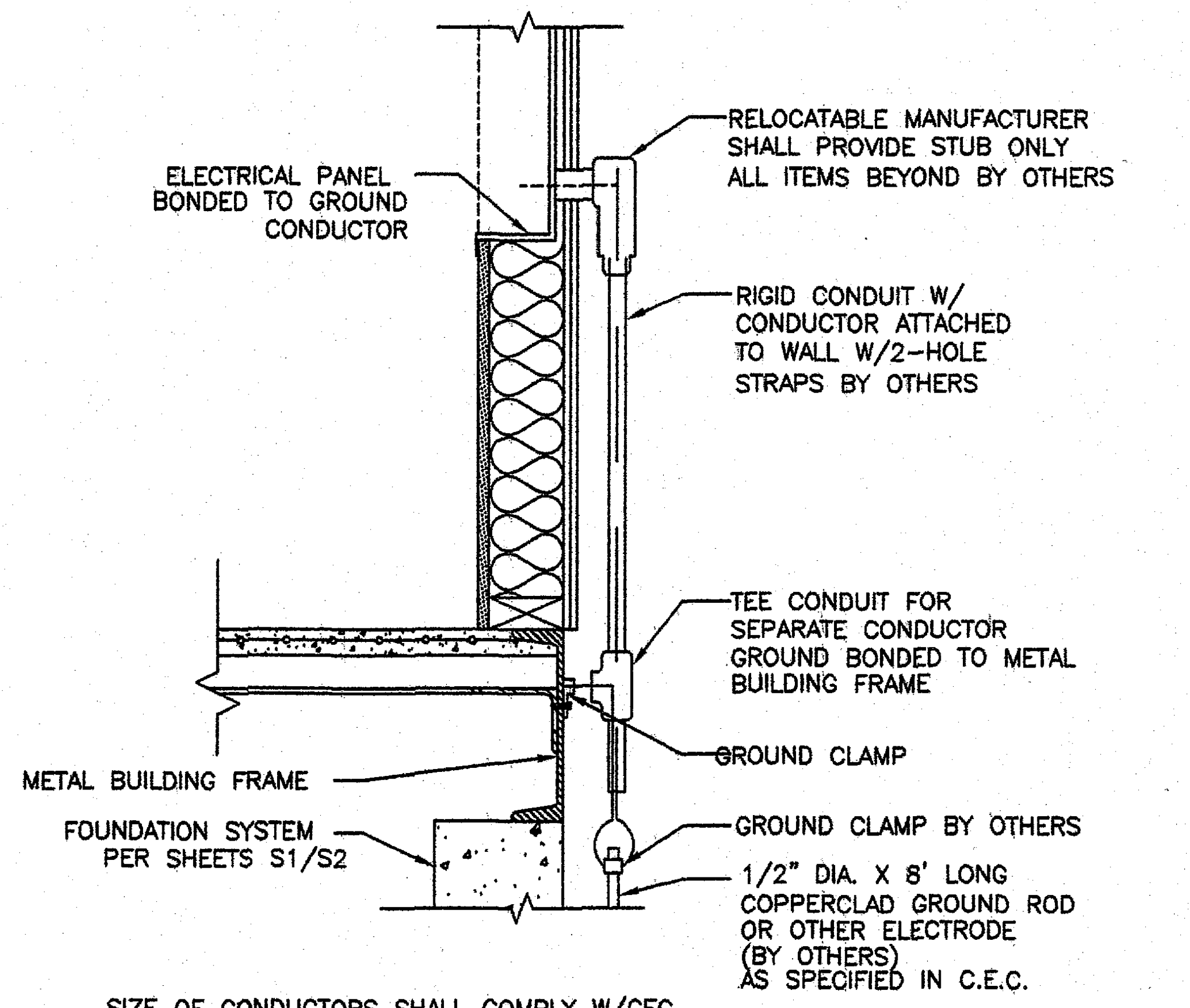
WATTS "A"LEG: 5374 | WATTS "B" LEG 5619 | WATTS "C" LEG 5419 | TOTAL WATTS A+B+C=16412
TOTAL WATTS: 16412 | 46 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: C GEN. PHYSICS | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS	WATTS A	WATTS B	BRK. AMP	BRK. P	CIR	CIR	BRK. P	BRK. AMP	WATTS A	WATTS B	WATTS C	LOAD
HVAC 5 TON	3374			60	3	1	2						
" "		3374				3	4	1	20		645		LIGHTS, FLUORESCENT
" "			3374			5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	8	1	20	200			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9	10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			400	20	1	11	12						
DUPLEX RECEPT	400			20	1	13	14						
DUPLEX RECEPT.		400		20	1	15	16						
DUPLEX RECEPT			400	20	1	17	18						
DUPLEX RECEPT	400			20	1	19	20						
DUPLEX RECEPT		400		20	1	21	22						
DUPLEX RECEPT			800	20	1	23	24						
DUPLEX RECEPT	200			20	1	25	26						
SPACE						27	28						
SPACE						29	30						SPACE
PHASE WATTAGE	4174	3974	3974							200	1045	845	PHASE WATTAGE

WATTS "A"LEG: 4374 | WATTS "B" LEG 5019 | WATTS "C" LEG 8793 | TOTAL WATTS A+B+C=18186
TOTAL WATTS: 18186 | 51 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE INDENTIFIED
WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY
NFPA 72 4.4.1.4.2.1


RELOCATABLE MANUFACTURER SHALL PROVIDE STUB ONLY ALL ITEMS BEYOND BY OTHERS
ELECTRICAL PANEL BONDED TO GROUND CONDUCTOR
RIGID CONDUIT W/ CONDUCTOR ATTACHED TO WALL W/2-HOLE STRAPS BY OTHERS
TEE CONDUIT FOR SEPARATE CONDUCTOR GROUND BONDED TO METAL BUILDING FRAME
GROUND CLAMP
METAL BUILDING FRAME
GROUND CLAMP BY OTHERS
FOUNDATION SYSTEM PER SHEETS S1/S2
1/2" DIA. X 8' LONG COPPERCLAD GROUND ROD OR OTHER ELECTRODE (BY OTHERS) AS SPECIFIED IN C.E.C.

SIZE OF CONDUCTORS SHALL COMPLY W/CEC.
BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC).
IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (CEC).
ELECTRICAL BOND MODULES TOGETHER W/#8 CU @ MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1.
INSPECTOR TO WITNESS GROUNDING TEST.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS ✓
DATE MAY 09 2019

1/E2 GROUNDING DETAIL
1 1/2"=1'-0"

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
DATE

BASED ON PC# 02-109635

- GENERAL NOTES -

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE,& CA. FIRE CODE.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
4. JUCTION BOXES- GALVINIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL AT +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
5. COVERS- INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
6. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALL, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL REGULATIONS (CBC 907.2.3) AND THE 2002 EDITION OF NFPA 72.
7. THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONTITUTE SHOP DRAWINGS WICH ARE REQUIRED FOR REVIEW AND APPROVAL
8. ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS WHICH-EVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 7.4.2)
9. THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 7.5)
10. AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY STATE FIRE MARSHAL. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BY ARRAGED BY OWNER.

    IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 10db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY TYHE ENFORCING AGENCY PER [CBC].

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE, TITLE 24.
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

ELECTRICAL
1. ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
2. MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
3. ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING. SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
4. 2X4 FLOURESCENT FIXTURES SHALL BE STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-12, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE .125 INCH.
5. FLOURESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED AGAINST FAILURE FOR (2) YEARS AND BE REPLACED FROM INSIDE THE FIXTURE.
6. CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
    A) CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE
    B) CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPERABLE HANGING CLIP & APP'D RECEPT.

THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER, FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING. IF 60 DEGREES C. WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY BE PROVIDED ON THE DRAWING.

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/15/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE-CAREER & MATHEMATICS BUILDING-SWING SPACE

24'x40' AND 48'x40' (ES) RELOCATABLE CLASSROOMS
ELECTRICAL NOTES & DETAILS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

RANDALL PATRICK CAVANAGH
No. C12631
Ren.

JOHN H. LAWDER
No. 2310
Exp. 3-31-1?

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-111652
AC RS FLS TH SS
DATE NOV 18 2010

PROJECT No.

E2

ADDENDUM

VOLTS: 120/230 THREE PHASE | PANEL: D GEN. PHYSICS | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 5 TON	4600			60	3	1	2						
" "		4600				3	4	1	20		645		LIGHTS, FLUORESCENT
" "			4600			5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9	10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			400	20	1	11	12	1	20			200	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	13	14						
DUPLEX RECEPT.		400		20	1	15	16						
DUPLEX RECEPT			400	20	1	17	18						
DUPLEX RECEPT	400			20	1	19	20						
DUPLEX RECEPT		400		20	1	21	22						
DUPLEX RECEPT			400	20	1	23	24						
DUPLEX RECEPT	400			20	1	25	26						
SPACE						27	28						
SPACE						29	30						SPACE
PHASE WATTAGE	6200	5800	5800							400	1045	845	PHASE WATTAGE

WATTS "A"LEG: 6600 | WATTS "B" LEG 6845 | WATTS "C" LEG 6445 | TOTAL WATTS A+B+C=20090
TOTAL WATTS: 20090 | 55 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: F AMATOMY PHY | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 5 TON	3576			40	3	1	2						
" "		3576				3	4	1	20		645		LIGHTS, FLUORESCENT
" "			3576			5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		600		20	1	9	10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	11	12	1	20			735	EXHAUST FAN
DUPLEX RECEPT	600			20	1	13	14	1	20	735			EXHAUST FAN
DUPLEX RECEPT.		600		20	1	15	16						SPACE
DUPLEX RECEPT			600	20	1	17	18						
SPACE						19	20						
						21	22						
						23	24						
						25	26						
						27	28						
						29	30						
PHASE WATTAGE	4576	4776	4776							1135	1045	1580	PHASE WATTAGE

WATTS "A"LEG: 5708 | WATTS "B" LEG 5821 | WATTS "C" LEG 6356 | TOTAL WATTS A+B+C=17885
TOTAL WATTS: 17885 | 50 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: H LIFE SCI. | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 5 TON	4600			60	3	1	2						
" "		4600				3	4	1	20		645		LIGHTS, FLUORESCENT
" "			4600			5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	8	1	20	200			DUPLEX RECEPT
EXHAUST FAN		735		20	1	9	10	1	20		200		DUPLEX RECEPT
DUPLEX RECEPT			400	20	1	11	12	1	20			400	DUPLEX RECEPT
DUPLEX RECEPT	200			20	1	13	14	1	30	800			WATER HEATER
DUPLEX RECEPT.		400		20	1	15	16	1	30		800		WATER HEATER
WATER HEATER			800	30	1	17	18						SPACE
WATER HEATER	800			20	1	19	20						
SPACE						21	22						
						23	24						
						25	26						
						27	28						
						29	30						
PHASE WATTAGE	6000	5735	5800							1000	1645	1045	PHASE WATTAGE

WATTS "A"LEG: 7000 | WATTS "B" LEG 7380 | WATTS "C" LEG 6845 | TOTAL WATTS A+B+C=21225
TOTAL WATTS: 21225 | 59 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: E GEN. PHYSICS | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 5 TON	4600			60	3	1	2						
" "		4600				3	4	1	20		645		LIGHTS, FLUORESCENT
" "			4600			5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9	10	1	20		200		DUPLEX RECEPT
DUPLEX RECEPT			400	20	1	11	12	1	20			400	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	13	14	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT.		400		20	1	15	16	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			800	20	1	17	18	1	20			400	DUPLEX RECEPT
SPACE						19	20	1	20	400			DUPLEX RECEPT
						21	22						SPACE
						23	24						
						25	26						
						27	28						
						29	30						
PHASE WATTAGE	5400	5400	5800							1200	1245	1445	PHASE WATTAGE

WATTS "A"LEG: 6800 | WATTS "B" LEG 6645 | WATTS "C" LEG 7245 | TOTAL WATTS A+B+C=20690
TOTAL WATTS: 20690 | 58 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: G AMATOMY PHY | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 5 TON	3576			40	3	1	2						
" "		3576				3	4	1	20		645		LIGHTS, FLUORESCENT
" "			3576			5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	600			20	1	7	8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		600		20	1	9	10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	11	12	1	20			400	DUPLEX RECEPT
DUPLEX RECEPT	600			20	1	13	14	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT.		600		20	1	15	16	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	17	18	1	20			735	EXHAUST FAN
SPACE						19	20	1	20	735			EXHAUST FAN
						21	22						SPACE
						23	24						
						25	26						
						27	28						
						29	30						
PHASE WATTAGE	4776	4776	4776							1535	1445	1780	PHASE WATTAGE

WATTS "A"LEG: 6311 | WATTS "B" LEG 6221 | WATTS "C" LEG 6556 | TOTAL WATTS A+B+C=19088
TOTAL WATTS: 19088 | 54 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: J LIFE SCI. | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 1.5 TON	3500			40	2	1	2						
" "		3500				3	4	1	20		645		LIGHTS, FLUORESCENT
						5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	800			20	1	7	8	2	20	1708			AMANA AC
DUPLEX RECEPT		400		20	1	9	10				1708		AMANA AC
DUPLEX RECEPT			800	20	1	11	12						SPACE
SPACE						13	14						
						15	16						
						17	18						
						19	20						
						21	22						
						23	24						
						25	26						
						27	28						
						29	30						
PHASE WATTAGE	5400	3900	800							1708	2353	645	PHASE WATTAGE

WATTS "A"LEG: 7108 | WATTS "B" LEG 6253 | WATTS "C" LEG 1445 | TOTAL WATTS A+B+C=14806
TOTAL WATTS: 14806 | 41 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE INDENTIFIED
WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY
NFPA 72 4.4.1.4.2.1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS / FLS — SS
DATE MAY 09 2019

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
DATE

BASED ON PC# 02-109635

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/15/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE-CAREER & MATHEMATICS BUILDING-SWING SPACE

24'x40' AND 48'x40' (ES) RELOCATABLE CLASSROOMS
ELECTRICAL NOTES & DETAILS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

LICENSED ARCHITECT RANDALL PATRICK CAVANAGH No. C12631 Ren.
REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWDER No. 2310 Exp. 3-31-11 STRUCTURAL

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~02-111652~~
~~AC FLS SS~~
~~DATE NOV 18 2010~~

PROJECT No.

E2.1

ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

VOLTS: 120/230 THREE PHASE | PANEL: K | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 5 TON	3576			40	3	1	●			2						
" "		3576				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			3576			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	600			20	1	7	●			8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		600		20	1	9		●		10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	11			●	12	1	20			735	EXHAUST FAN
DUPLEX RECEPT	600			20	1	13	●			14	1	20	735			EXHAUST FAN
DUPLEX RECEPT.		600		20	1	15		●		16						SPACE
DUPLEX RECEPT			600	20	1	17			●	18						
SPACE						19	●			20						
						21		●		22						
						23			●	24						
						25	●			26						
						27		●		28						
						29			●	30						
PHASE WATTAGE	4776	4776	4776										1135	1045	1580	PHASE WATTAGE

WATTS "A"LEG: 5908 | WATTS "B" LEG 5821 | WATTS "C" LEG 6356 | TOTAL WATTS A+B+C=18085
TOTAL WATTS: 18085 | 52 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: L AMATOMY PHY | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 5 TON	3576			40	3	1	●			2						
" "		3576				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			3576			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	600			20	1	7	●			8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		600		20	1	9		●		10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	11			●	12	1	20			400	DUPLEX RECEPT
DUPLEX RECEPT	600			20	1	13	●			14	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT.		600		20	1	15		●		16						
DUPLEX RECEPT			600	20	1	17			●	18	1	20			735	EXHAUST FAN
SPACE						19	●			20	1	20	735			EXHAUST FAN
						21		●		22						SPACE
						23			●	24						
						25	●			26						
						27		●		28						
						29			●	30						
PHASE WATTAGE	4776	4776	4776										1535	1045	1780	PHASE WATTAGE

WATTS "A"LEG: 6311 | WATTS "B" LEG 6221 | WATTS "C" LEG 6156 | TOTAL WATTS A+B+C=18688
TOTAL WATTS: 16088 | 50 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: M PHYSICS LECTURE | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 5 TON	4600			60	3	1	●			2						
" "		4600				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			4600			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	●			8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9		●		10						
DUPLEX RECEPT			400	20	1	11			●	12						
DUPLEX RECEPT	400			20	1	13	●			14						
DUPLEX RECEPT.		400		20	1	15		●		16						
DUPLEX RECEPT			400	20	1	17			●	18						
DUPLEX RECEPT	400			20	1	19	●			20						
DUPLEX RECEPT		400		20	1	21		●		22						
DUPLEX RECEPT			400	20	1	23			●	24						
DUPLEX RECEPT	400			20	1	25	●			26						
SPACE						27		●		28						
SPACE						29			●	30						SPACE
PHASE WATTAGE	6200	5800	5800										400	645	645	PHASE WATTAGE

WATTS "A"LEG: 6600 | WATTS "B" LEG 6445 | WATTS "C" LEG 6245 | TOTAL WATTS A+B+C=19290
TOTAL WATTS: 19290 | 54 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: N PHYSICS LECTURE | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 5 TON	4600			60	3	1	●			2						
" "		4600				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			4600			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	●			8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9		●		10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			400	20	1	11			●	12	1	20			400	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	13	●			14	1	20	200			DUPLEX RECEPT
DUPLEX RECEPT.		400		20	1	15		●		16	1	20		400		DUPLEX RECEPT
SPACE						17			●	18	1	20			600	DUPLEX RECEPT
						19	●			20	1	20	400			DUPLEX RECEPT
						21		●		22	1	20		400		DUPLEX RECEPT
						23			●	24						SPACE
						25	●			26						
						27		●		28						
						29			●	30						
PHASE WATTAGE	5400	5400	5800										1000	1845	1645	PHASE WATTAGE

WATTS "A"LEG: 6400 | WATTS "B" LEG 7245 | WATTS "C" LEG 7445 | TOTAL WATTS A+B+C=21090
TOTAL WATTS: 21090 | 59 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: P PHYSICS STOCKROOM | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 3.5 TON	3750			40	3	1	●			2						
" "		3750				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			3750			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	800			20	1	7	●			8	1	20	200			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9		●		10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	11			●	12	1	20			200	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	13	●			14	1	20	200			DUPLEX RECEPT
DUPLEX RECEPT.		400		20	1	15		●		16	1	20		200		DUPLEX RECEPT.
DUPLEX RECEPT			400	20	1	17			●	18	1	20			200	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	19	●			20	1	20	200			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	21		●		22						
DUPLEX RECEPT			400	20	1	23			●	24						
DUPLEX RECEPT	400			20	1	25	●			26						
SPACE						27		●		28						
SPACE						29			●	30						SPACE
PHASE WATTAGE	6600	6000	6000										600	1245	1045	PHASE WATTAGE

WATTS "A"LEG: 7400 | WATTS "B" LEG 7245 | WATTS "C" LEG 7045 | TOTAL WATTS A+B+C=21690
TOTAL WATTS: 21690 | 61 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: R PHYSICS STOCKROOM | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 3.5 TON	3750			40	3	1	●			2						
" "		3750				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			3750			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	●			8	1	20	400			DUPLEX RECEPT
						9		●		10	1	20		600		DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	11			●	12	1	20			200	DUPLEX RECEPT
DUPLEX RECEPT	200			20	1	13	●			14	1	20	1200			DUPLEX RECEPT
DUPLEX RECEPT.		200		20	1	15		●		16						
WATER HEATER			1500	20	2	17			●	18						
WATER HEATER	1500			20		19	●			20	1	20	400			DUPLEX RECEPT
WATER HEATER		1500		20	2	21		●		22	1	20		400		DUPLEX RECEPT
WATER HEATER			1500	20		23			●	24						SPACE
SPACE						25	●			26						
						27		●		28						
						29			●	30						
PHASE WATTAGE	5850	5450	7350										2000	1645	845	PHASE WATTAGE

WATTS "A"LEG: 7850 | WATTS "B" LEG 7095 | WATTS "C" LEG 8195 | TOTAL WATTS A+B+C=23140
TOTAL WATTS: 23140 | 65 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS ✓
DATE MAY 09 2019

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
DATE
BASED ON PC# 02-109635

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE INDENTIFIED
WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY
NFPA 72 4.4.1.4.2.1

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/15/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE-CAREER & MATHEMATICS BUILDING-SWING SPACE

24'x40' AND 48'x40' (ES) RELOCATABLE CLASSROOMS
ELECTRICAL NOTES & DETAILS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

RANDALL PATRICK CAVANAGH
No. C12631
Ren.

JOHN H. LAWDER
No. 2310
Exp. 3-31-11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-111652
AC FLS SS
DATE NOV 18 2010

PROJECT No.

E2.2

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

ADDENDUM

VOLTS: 120/230 THREE PHASE						PANEL: U MATH OFFICE				FEED: EXTERIOR K-O			
MAIN: 100 AMP MAIN BKR.						LOCATION: EXTERIOR				MOUNTING: SURFACE			
LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 3.5 TON	3374			50	3	1	2						
" "		3374				3	4	1	20		400		LIGHTS, FLUORESCENT
" "			3374			5	6	1	20			400	LIGHTS, FLUORESCENT
DUPLEX RECEPT	800			20	1	7	8	1	20	800			DUPLEX RECEPT
DUPLEX RECEPT.		800		20	1	9	10	1	20		800		DUPLEX RECEPT
DUPLEX RECEPT			200	20	1	11	12						
DUPLEX RECEPT	800			20	1	13	14						
DUPLEX RECEPT.		800		20	1	15	16						
DUPLEX RECEPT			800	20	1	17	18						
						19	20						
SPACE						21	22						
						23	24						
SPACE						25	26						
SPACE						27	28						
SPACE						29	30						SPACE
PHASE WATTAGE	4974	4974	4374							800	1200	400	PHASE WATTAGE

WATTS "A"LEG: 5774 | WATTS "B" LEG 6174 | WATTS "C" LEG 4774 | TOTAL WATTS A+B+C=16722

TOTAL WATTS: 16722 | 47 AMPS | 120/230V | THREE PHASE | 100 AMP BUS.

FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE						PANEL: V MATH OFFICE				FEED: EXTERIOR K-O			
MAIN: 100 AMP MAIN BKR.						LOCATION: EXTERIOR				MOUNTING: SURFACE			
LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 3.5 TON	3374			50	3	1	2						
" "		3374				3	4	1	20		400		LIGHTS, FLUORESCENT
" "			3374			5	6	1	20			400	LIGHTS, FLUORESCENT
DUPLEX RECEPT	1200			20	1	7	8						SPACE
DUPLEX RECEPT.		1200		20	1	9	10						
DUPLEX RECEPT			1200	20	1	11	12						
SPACE						13	14						
						15	16						
						17	18						
						19	20						
						21	22						
						23	24						
						25	26						
						27	28						
						29	30						
PHASE WATTAGE	4574	4574	4574							0	400	400	PHASE WATTAGE

WATTS "A"LEG: 4574 | WATTS "B" LEG 4974 | WATTS "C" LEG 4974 | TOTAL WATTS A+B+C=14522

TOTAL WATTS: 14522 | 41 AMPS | 120/230V | THREE PHASE | 100 AMP BUS.

FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE						PANEL: X MICRO BIO.				FEED: EXTERIOR K-O			
MAIN: 100 AMP MAIN BKR.						LOCATION: EXTERIOR				MOUNTING: SURFACE			
LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 5 TON	3576			40	3	1	2						
" "		3576				3	4	1	20		645		LIGHTS, FLUORESCENT
" "			3576			5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		200		20	1	9	10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			200	20	1	11	12	1	20			735	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	13	14	1	20	735			EXHAUST FAN
DUPLEX RECEPT.		400		20	1	15	16	1	20		1200		DUPLEX RECEPT
EXHAUST FAN			735	20	1	17	18						
SPACE						19	20	2	20	1500			WATER HEATER
						21	22		20		1500		WATER HEATER
						23	24	2	20			1500	WATER HEATER
						25	26		20	1500			WATER HEATER
						27	28						SPACE
						29	30						
PHASE WATTAGE	4374	4174	4509							4135	2845	3090	PHASE WATTAGE

WATTS "A"LEG: 8509 | WATTS "B" LEG 7019 | WATTS "C" LEG 7599 | TOTAL WATTS A+B+C=23127

TOTAL WATTS: 23127 | 65 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.

FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE						PANEL: Y MICRO BIO.				FEED: EXTERIOR K-O			
MAIN: 100 AMP MAIN BKR.						LOCATION: EXTERIOR				MOUNTING: SURFACE			
LOAD	WATTS			BRK.		CIR	CIR	BRK.		WATTS			LOAD
		A	B	AMP	P			P	AMP	A	B	C	
HVAC 5 TON	3576			60	3	1	2						
" "		3576				3	4	1	20		645		LIGHTS, FLUORESCENT
" "			3576			5	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	800			20	1	7	8	1	20	200			DUPLEX RECEPT
DUPLEX RECEPT		400		20	1	9	10	1	20		200		DUPLEX RECEPT
DUPLEX RECEPT			200	20	1	11	12	1	20			200	DUPLEX RECEPT
DUPLEX RECEPT	400			20	1	13	14	1	20	200			DUPLEX RECEPT
DUPLEX RECEPT.		800		20	1	15	16	1	20		200		DUPLEX RECEPT
DUPLEX RECEPT.			400	20	1	17	18	1	20		200		DUPLEX RECEPT
						19	20	1	20			200	DUPLEX RECEPT
						21	22	1	20	600			DUPLEX RECEPT
EXHAUST FAN			735	20	1	23	24	1	20		400		DUPLEX RECEPT
						25	26	2	20	1500			WATER HEATER
DUPLEX RECEPT.		200		20	1	27	28		20		1500		WATER HEATER
DUPLEX RECEPT.			200	20	1	29	30	2	20			1500	WATER HEATER
						31	32		20	1500			WATER HEATER
SPACE						33	34						SPACE
						35	36						SPACE
						37	38						
						39	40						
PHASE WATTAGE	4776	4976	5111							4000	3145	2545	PHASE WATTAGE

WATTS "A"LEG: 8776 | WATTS "B" LEG 8121 | WATTS "C" LEG 7656 | TOTAL WATTS A+B+C=24553

TOTAL WATTS: 24553 | 69 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.

FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE INDENTIFIED
WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY
NFPA 72 4.4.1.4.2.1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS
DATE MAY 09 2018

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
DATE

BASED ON PC# 02-109635

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/15/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE-CAREER & MATHEMATICS BUILDING-SWING SPACE

24'x40' AND 48'x40' (ES) RELOCATABLE CLASSROOMS
ELECTRICAL NOTES & DETAILS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

No. C12631
Ren.

No. 2310
Exp. 3-31-11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-111652
AC. FLS. TH SS
DATE NOV 18 2010

PROJECT No.

E2.3

ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

VOLTS: 120/230 THREE PHASE | PANEL: Z | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 5 TON	3576			40	3	1	●			2						
" "		3576				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			3576			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	600			20	1	7	●			8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		600		20	1	9		●		10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	11			●	12	1	20			735	EXHAUST FAN
DUPLEX RECEPT	600			20	1	13	●			14	1	20	735			EXHAUST FAN
DUPLEX RECEPT.		600		20	1	15		●		16						SPACE
DUPLEX RECEPT			600	20	1	17			●	18						
SPACE						19	●			20						
						21		●		22						
						23			●	24						
						25	●			26						
						27		●		28						
						29			●	30						
PHASE WATTAGE	4776	4776	4776										1135	1045	1580	PHASE WATTAGE

WATTS "A"LEG: 5908 | WATTS "B" LEG 5821 | WATTS "C" LEG 6356 | TOTAL WATTS A+B+C=18085
TOTAL WATTS: 18085 | 52 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: AA AMATOMY PHY | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 5 TON	3576			40	3	1	●			2						
" "		3576				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			3576			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	600			20	1	7	●			8	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT		600		20	1	9		●		10	1	20		400		DUPLEX RECEPT
DUPLEX RECEPT			600	20	1	11			●	12	1	20			400	DUPLEX RECEPT
DUPLEX RECEPT	600			20	1	13	●			14	1	20	400			DUPLEX RECEPT
DUPLEX RECEPT.		600		20	1	15		●		16						
DUPLEX RECEPT			600	20	1	17			●	18	1	20			735	EXHAUST FAN
SPACE						19	●			20	1	20	735			EXHAUST FAN
						21		●		22						SPACE
						23			●	24						
						25	●			26						
						27		●		28						
						29			●	30						
PHASE WATTAGE	4776	4776	4776										1535	1045	1780	PHASE WATTAGE

WATTS "A"LEG: 6311 | WATTS "B" LEG 6221 | WATTS "C" LEG 6156 | TOTAL WATTS A+B+C=18688
TOTAL WATTS: 16088 | 50 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: BB LIFE SCI. HIT | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 5 TON	4600			60	3	1	●			2						
" "		4600				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			4600			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	400			20	1	7	●			8						SPACE
DUPLEX RECEPT		200		20	1	9		●		10						
						11			●	12						
DUPLEX RECEPT	200			20	1	13	●			14						
DUPLEX RECEPT.		200		20	1	15		●		16						
SPACE						17			●	18						
						19	●			20						
						21		●		22						
						23			●	24						
						25	●			26						
						27		●		28						
						29			●	30						
PHASE WATTAGE	5200	5000	5245										0	645	645	PHASE WATTAGE

WATTS "A"LEG: 5200 | WATTS "B" LEG 5645 | WATTS "C" LEG 5845 | TOTAL WATTS A+B+C=16690
TOTAL WATTS: 16690 | 47 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

VOLTS: 120/230 THREE PHASE | PANEL: CC LIFE SCI. HIT | FEED: EXTERIOR K-O
MAIN: 100 AMP MAIN BKR. | LOCATION: EXTERIOR | MOUNTING: SURFACE

LOAD	WATTS			BRK.		CIR	A	B		CIR	BRK.		WATTS			LOAD
		A	B	AMP	P						P	AMP	A	B	C	
HVAC 5 TON	4600			60	3	1	●			2						
" "		4600				3		●		4	1	20		645		LIGHTS, FLUORESCENT
" "			4600			5			●	6	1	20			645	LIGHTS, FLUORESCENT
DUPLEX RECEPT	200			20	1	7	●			8	2	20	1708			AMANA AC
DUPLEX RECEPT.		200		20	1	9		●		10				1708		AMANA AC
DUPLEX RECEPT			600	20	1	11			●	12						SPACE
DUPLEX RECEPT	800			20	1	13	●			14	2	20	1708			AMANA AC
DUPLEX RECEPT.		800		20	1	15		●		16				1708		AMANA AC
SPACE						17			●	18						SPACE
						19	●			20						
						21		●		22						
						23			●	24						
						25	●			26						
						27		●		28						
						29			●	30						
PHASE WATTAGE	5800	5600	5200										3416	4045	645	PHASE WATTAGE

WATTS "A"LEG: 9216 | WATTS "B" LEG 9645 | WATTS "C" LEG 5845 | TOTAL WATTS A+B+C=24706
TOTAL WATTS: 24706 | 69 AMPS | 120/240V | THREE PHASE | 100 AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

NOTE:
FIRE ALARM DEDICATED CIRCUIT SHALL BE INDENTIFIED WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY NFPA 72 4.4.1.4.2.1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS ✓
DATE MAY 09 2019

LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE
CAREER & MATHEMATICS BUILDING
-SWING SPACE

WILLIAMS SCOTSMAN, INC..

SUBCONTRACTOR
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

DATE

BASED ON PC# 02-109635

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 11/15/10
SCALE: NOTED
DRAWN BY: RS
SERIAL NO.:

CUSTOMER:
LOS ANGELES COMMUNITY COLLEGE DISTRICT
EAST LOS ANGELES COLLEGE-CAREER & MATHEMATICS BUILDING-SWING SPACE

24'x40' AND 48'x40' (ES) RELOCATABLE CLASSROOMS
ELECTRICAL NOTES & DETAILS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

RANDALL PATRICK CAVANAGH
No. C12631
Ren. ____

JOHN H. LAWDER
No. 2310
Exp. 3-31-11

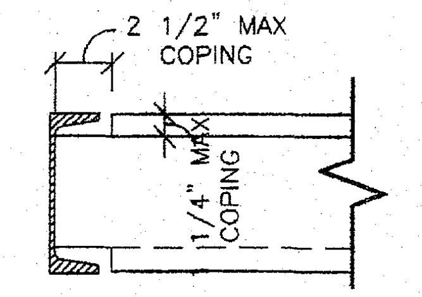
~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~02-111652~~
~~AC FLS FLS SS~~
~~DATE NOV 18 2010~~

PROJECT No.

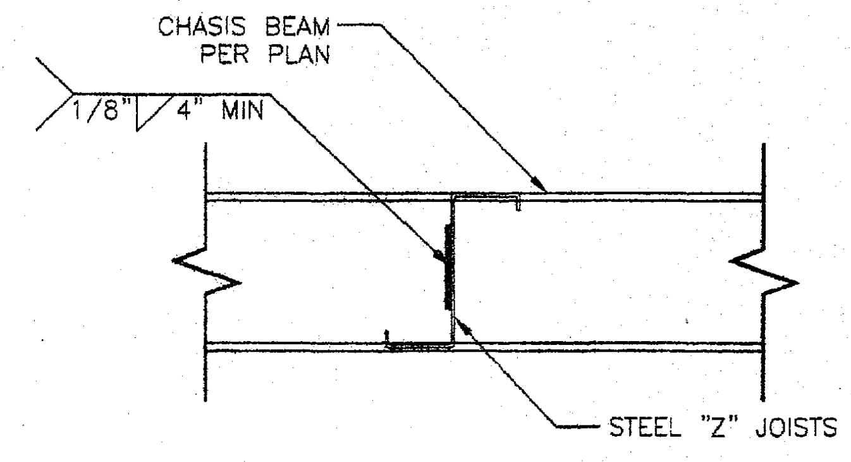
E2.4

ADDENDUM

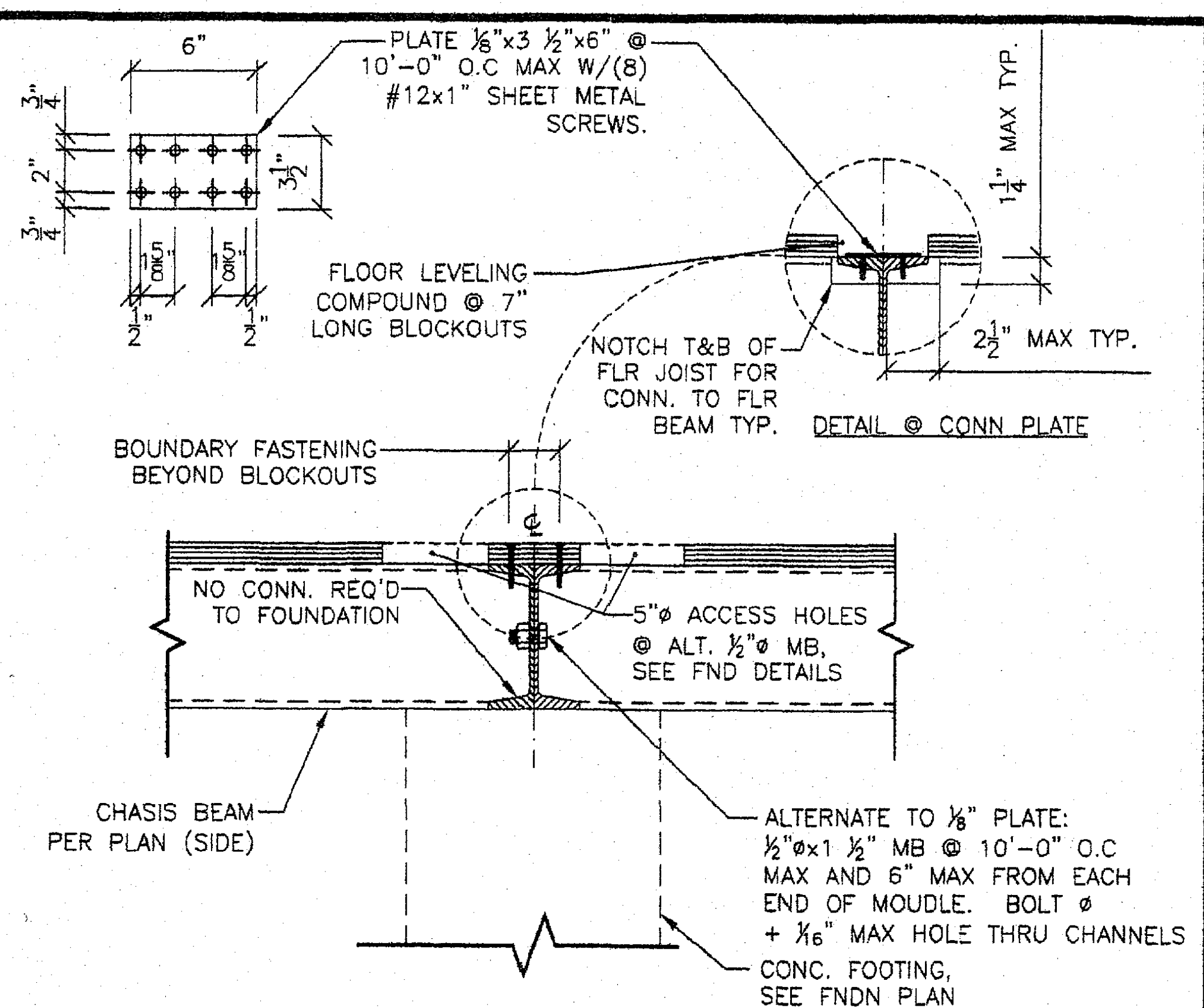
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.



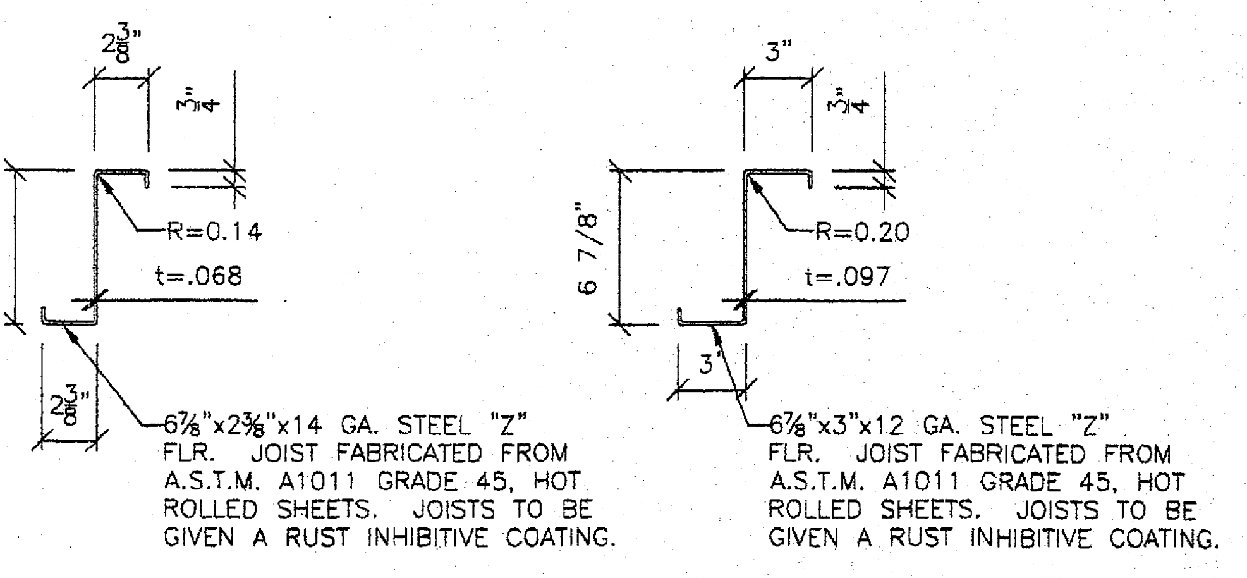
TYP FLOOR JOIST COPING



1/S2 TYP JOIST ATTACHMENT TO BEAM
1 1/2"=1'-0"


6"
PLATE ⅛"x3 ½"x6" @ 10'-0" O.C MAX W/(8) #12x1" SHEET METAL SCREWS.
¾"
2"
¾"
3½"
1⅝"
½"
FLOOR LEVELING COMPOUND @ 7" LONG BLOCKOUTS
1¼" MAX TYP.
2½" MAX TYP.
NOTCH T&B OF FLR JOIST FOR CONN. TO FLR BEAM TYP.
DETAIL @ CONN PLATE
BOUNDARY FASTENING BEYOND BLOCKOUTS
NO CONN. REQ'D TO FOUNDATION
5"ø ACCESS HOLES @ ALT. ½"ø MB, SEE FND DETAILS
CHASIS BEAM PER PLAN (SIDE)
ALTERNATE TO ⅛" PLATE: ½"øx1 ½" MB @ 10'-0" O.C MAX AND 6" MAX FROM EACH END OF MOUDLE. BOLT ø + 1/16" MAX HOLE THRU CHANNELS
CONC. FOOTING, SEE FNDN PLAN

3/S2 TYP. BEAM TO BEAM CONNECTION
1 1/2"=1'-0"


2⅜"
¾"
6⅞"
R=0.14
t=.068
2⅜"
6⅞"x2⅜"x14 GA. STEEL "Z" FLR. JOIST FABRICATED FROM A.S.T.M. A1011 GRADE 45, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.
3"
¾"
6 7/8"
R=0.20
t=.097
3"
6⅞"x3"x12 GA. STEEL "Z" FLR. JOIST FABRICATED FROM A.S.T.M. A1011 GRADE 45, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.

14 GA. JOIST

Z SECTION PROPERTIES

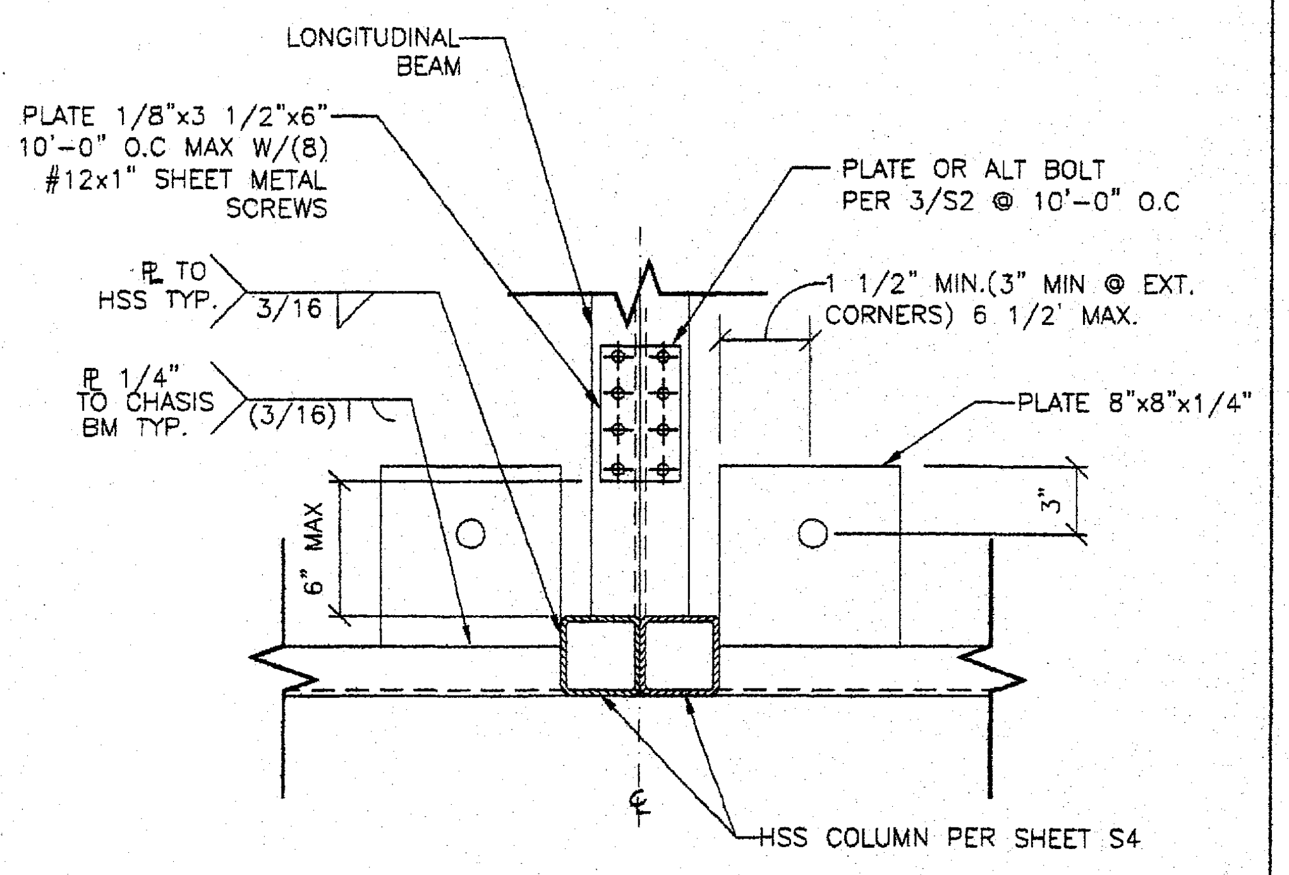
$A=0.89$ IN.^{2}
$Sx=1.85$ IN.^{3}
$Ix=6.37$ IN.^{4}

12 GA. JOIST

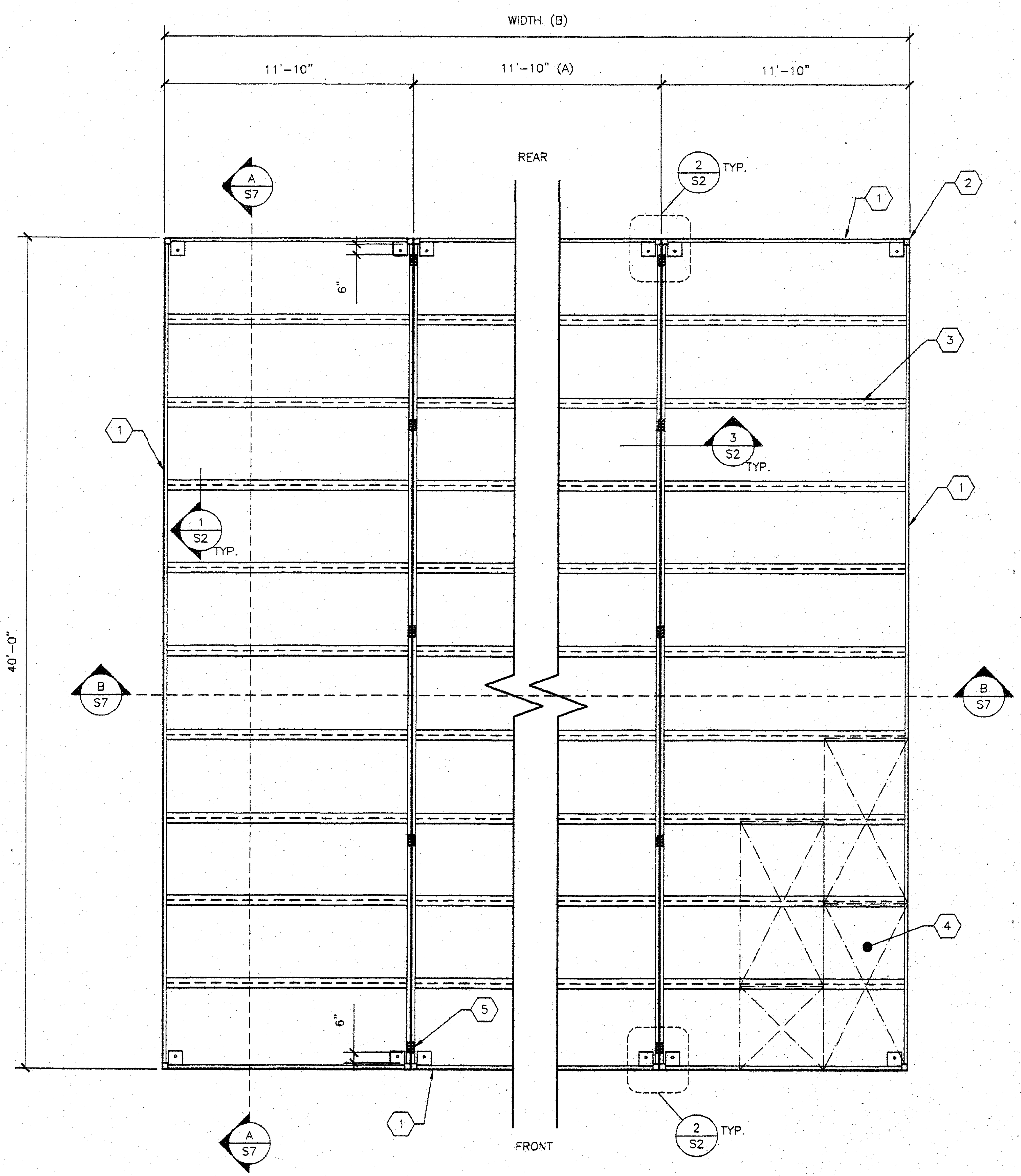
Z SECTION PROPERTIES

$A=1.38$ IN.^{2}
$Sx=2.97$ IN.^{3}
$Ix=10.20$ IN.^{4}

1A/S2 TYP JOIST
1 1/2"=1'-0"


LONGITUDINAL BEAM
PLATE 1/8"x3 1/2"x6" @ 10'-0" O.C MAX W/(8) #12x1" SHEET METAL SCREWS
PLATE OR ALT BOLT PER 3/S2 @ 10'-0" O.C
PL TO HSS TYP.
3/16
1 1/2" MIN.(3" MIN @ EXT. CORNERS) 6 1/2' MAX.
PL 1/4" TO CHASIS BM TYP.
(3/16)
PLATE 8"x8"x1/4"
3"
6" MAX
HSS COLUMN PER SHEET S4

2/S2 TYP. FL. BEAM CONNECTION
1 1/2"=1'-0"



1/S2 TYPICAL FLOOR FRAMING LAYOUT
1/4"=1'-0" PLYWOOD FLOOR

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS / FLS — SS
DATE MAY 09 2019

- KEY NOTES -

① C 7x9.8 FLOOR BEAM
ALTERNATE C10x15.3

② HSS COLUMN PER SCHEDULE SEE S4

③ FLOOR JOIST

FLOOR JOIST SCHEDULE

	SPACING	
LIVE LOAD PSF	14 GA. JOIST	12 GA. JOIST
~~50 PSF~~	~~48" O.C~~	~~48" O.C~~
50+15 PSF	24" O.C	48" O.C
~~100 PSF~~	~~24" O.C~~	~~24" O.C~~
~~125 PSF~~		24" O.C

④ 1 1/8" T&G PLYWOOD FLOOR SHT'G STURDI-I-FLOOR 48" O.C SPAN RATING EXP. 1 COMFORMING TO PS 1-95 OPTION: UNI-FLOOR BY PITTSBURGH TESTING LAB CONFORMING TO PS 1-95. STAGGER SHEETS 48" O.C AS SHOWN W/ FACE GRAIN NORMAL TO FLOOR JOISTS. FASTENING: BOUNDARY OF EA. MODULE: #12x2 1/4" WOOD TEK @ CHANNEL @ 6" O.C PANEL EDGES: ET&F 0.144"øx2" MIN. POWER DRIVEN PINS @ 6"O.C FIELD: ET&F 0.144øx2" MIN. POWER DRIVEN PINS @ 10" O.C.

NOTE: SEE ICC ER-4144 FOR ET&F BRAND PNEUMATIC PINS.

⑤ PLATE 1/8"x 3 1/2"x0"-6" @ 10'-0" O.C MAX W/(8)#12x1" SHEET METAL SCREWS

ALTERNATE:
½"øx1½" MB @ 10'-0" O.C MAX AND 6" MAX FROM EACH END OF MODULE. BOLT ø +1/16" MAX HOLE THRU CHANNELS SEE DETAIL 3/S2

- GENERAL NOTES -

1. THE BOLTED LONGITUDINAL FLOOR CHANNEL CONNECTIONS ARE NOMINAL AND ARE NOT REQUIRED STRUCTUALLY.
2. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
~~24' x 40'~~	~~2~~	~~0~~	~~23'-8 1/4"~~
~~36' x 40'~~	~~3~~	~~1~~	~~35'-6 1/2"~~
48' x 40'	4	2	47'-4 3/4"
~~60' x 40'~~	~~5~~	~~3~~	~~59'-3"~~
~~72' x 40'~~	~~6~~	~~4~~	~~71'-1 1/4"~~
~~84' x 40'~~	~~7~~	~~5~~	~~82'-11 1/2"~~
~~96' x 40'~~	~~8~~	~~6~~	~~94'-9 3/4"~~
~~108' x 40'~~	~~9~~	~~7~~	~~106'-8"~~
~~120' x 40'~~	~~10~~	~~8~~	~~118'-6 1/4"~~
~~132' x 40'~~	~~11~~	~~9~~	~~130'-4 1/2"~~
~~144' x 40'~~	~~12~~	~~10~~	~~142'-2 3/4"~~

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 01/21/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24' x 40' THRU 144' x 40' (ES) RELOCATABLE CLASSROOMS
FLOOR FRAMING PLANS (PLYWOOD)

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Luttrell
No. 1418
EXP. 3-31-09

~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC FLS SS
DATE NOV 18 2010~~

John H. Lawson
No. 2310
Exp. 3-31-11

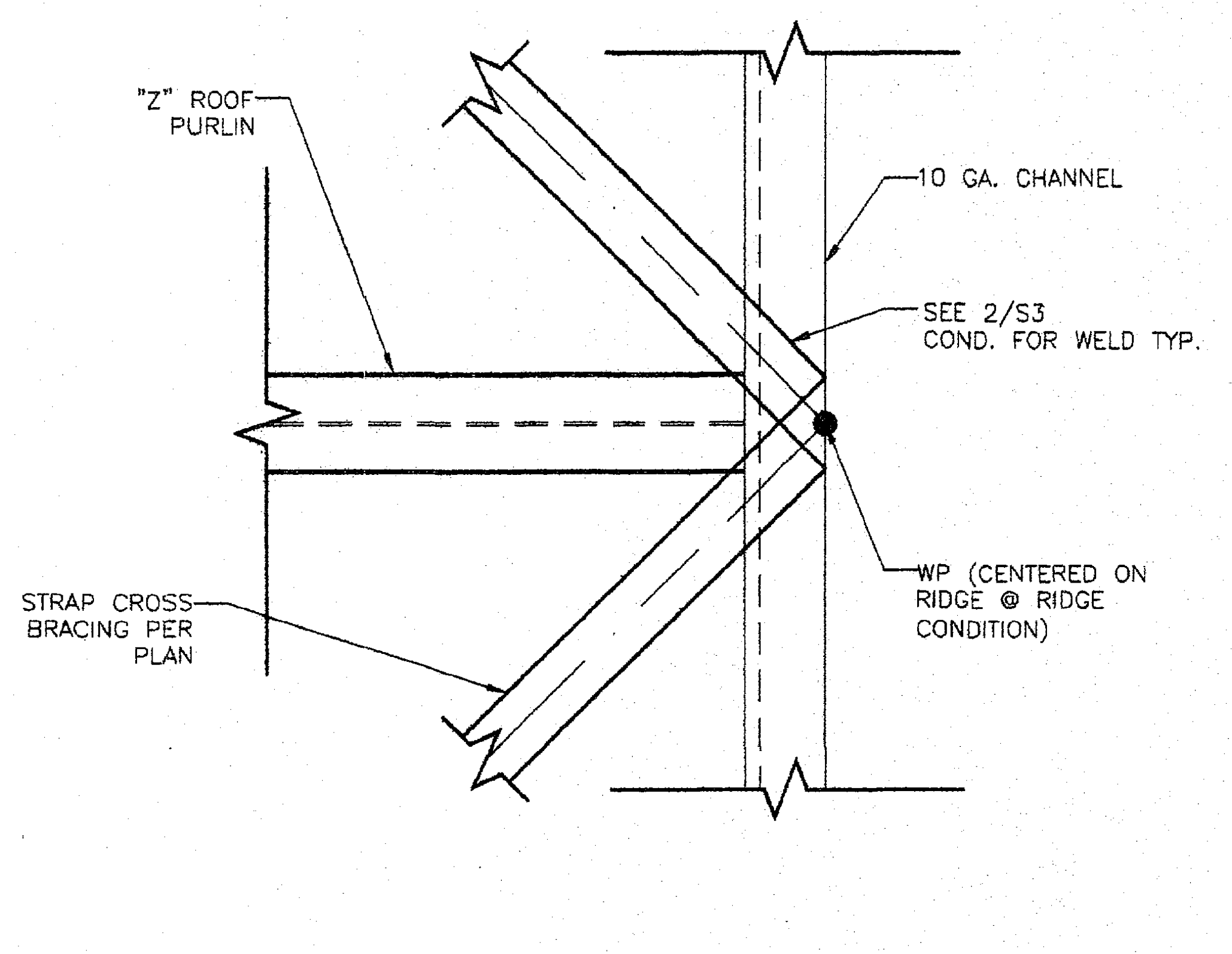
~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC FLS SS
DATE 1/20/09~~

PROJECT No.
PC

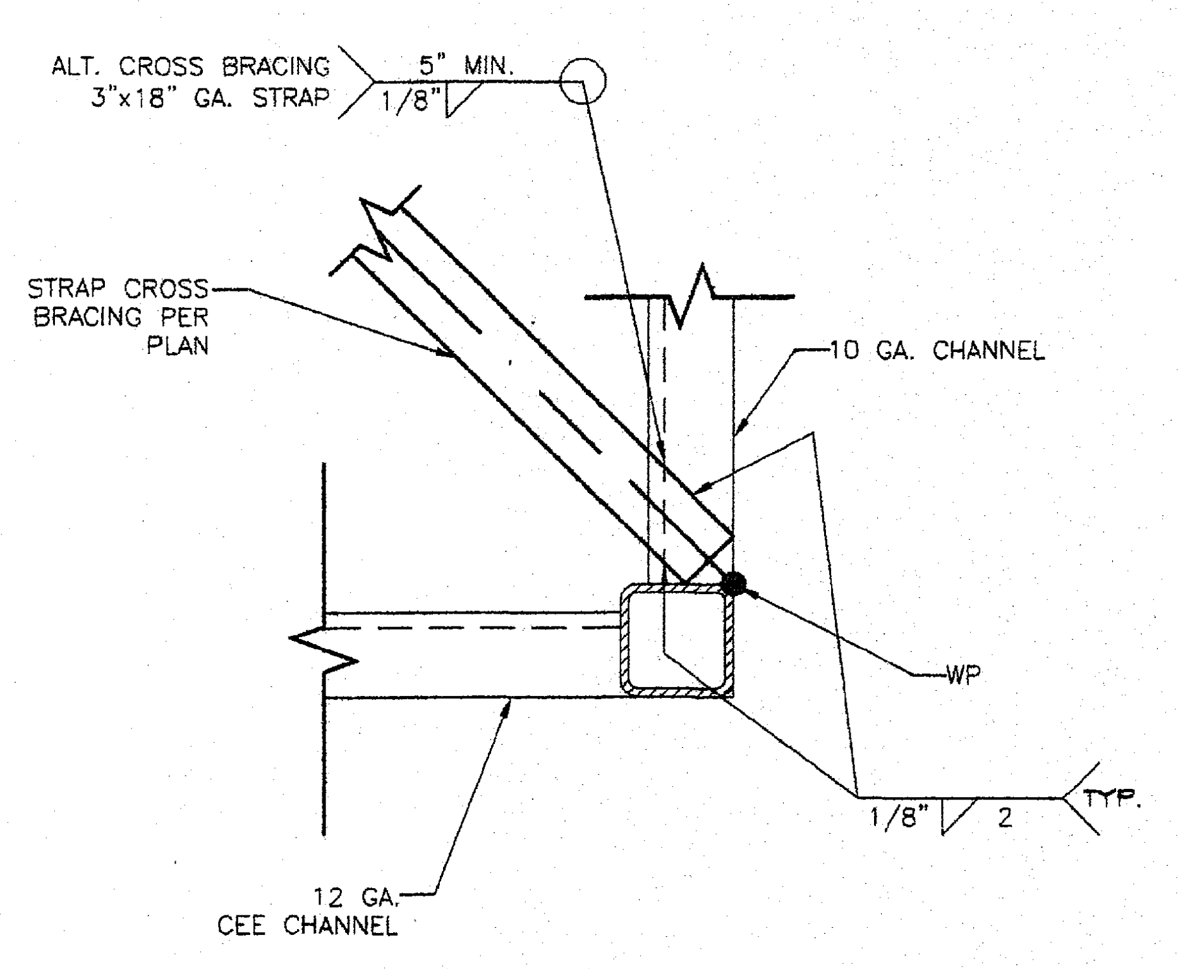
S2

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS.

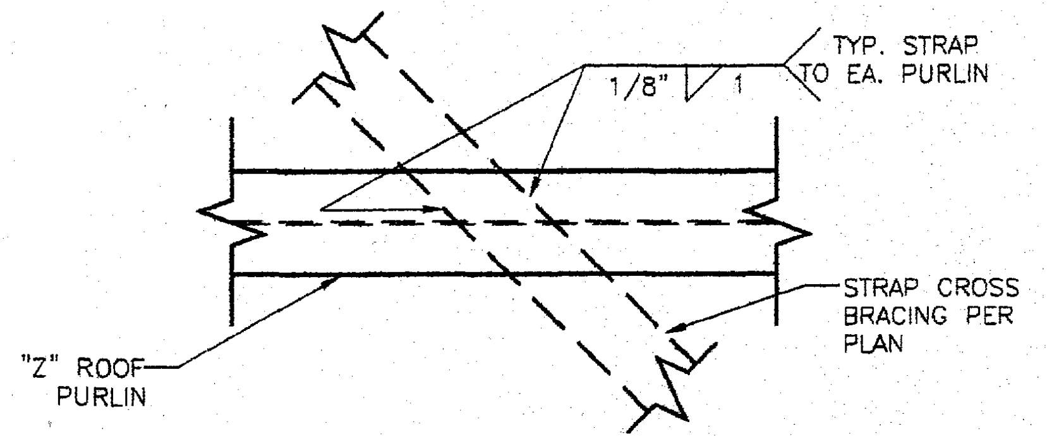
ADDENDUM


"Z" ROOF PURLIN
10 GA. CHANNEL
SEE 2/S3 COND. FOR WELD TYP.
WP (CENTERED ON RIDGE @ RIDGE CONDITION)
STRAP CROSS BRACING PER PLAN

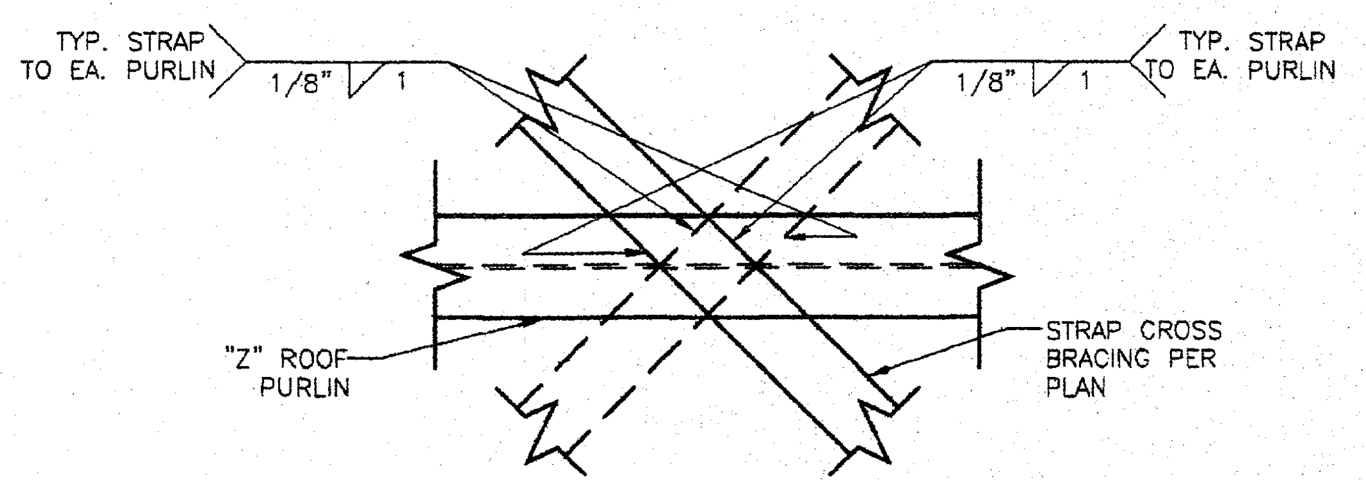
1 S3 TYP. CROSS BRACING DETAILS
1 1/2"=1'-0" @ ROOF CHANNEL


ALT. CROSS BRACING 3"x18" GA. STRAP
5" MIN.
1/8"
STRAP CROSS BRACING PER PLAN
10 GA. CHANNEL
WP
1/8" 2
TYP.
12 GA. CEE CHANNEL

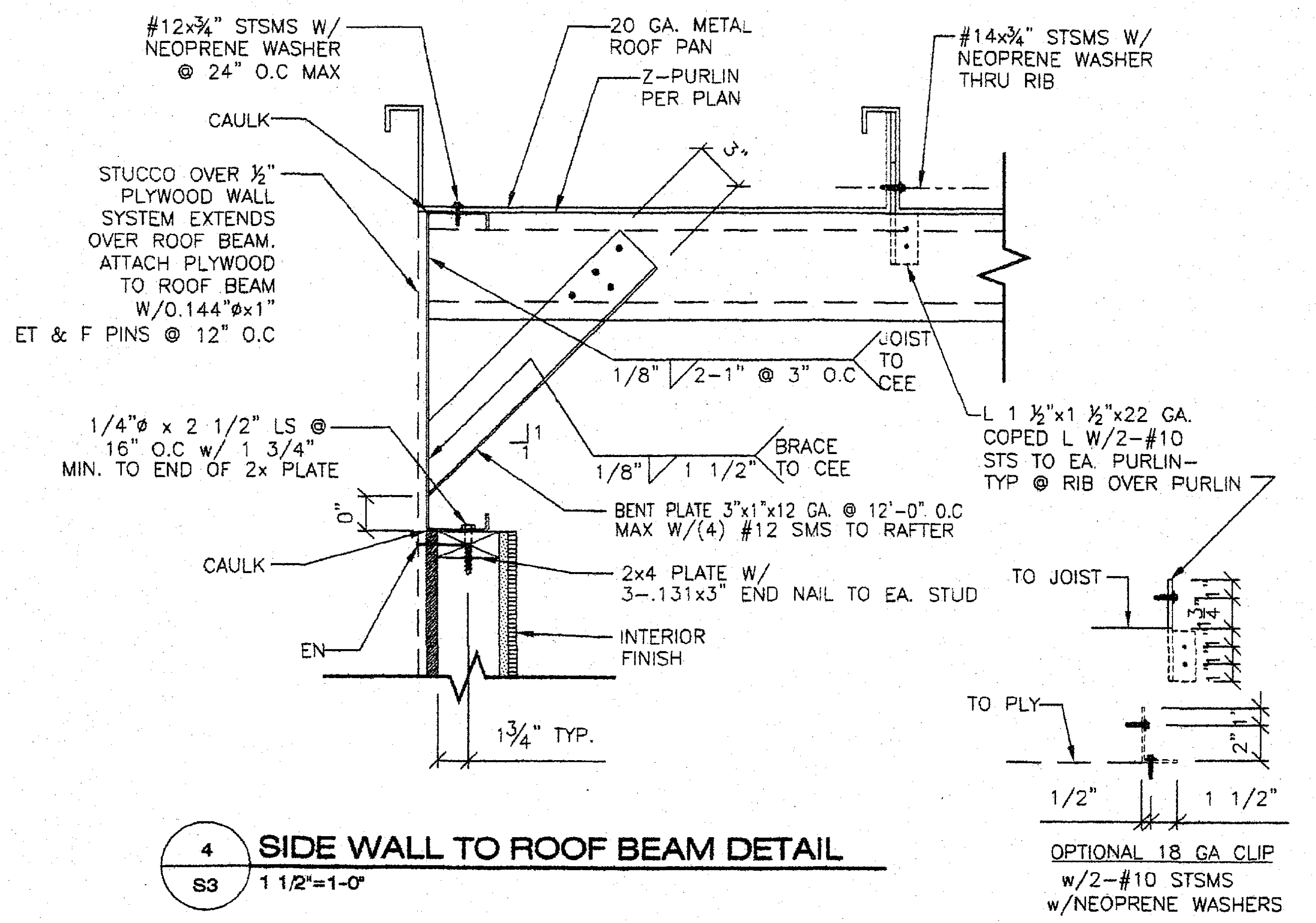
2 S3 TYP. CROSS BRACING DETAILS
1 1/2"=1'-0" @ END CHANNEL



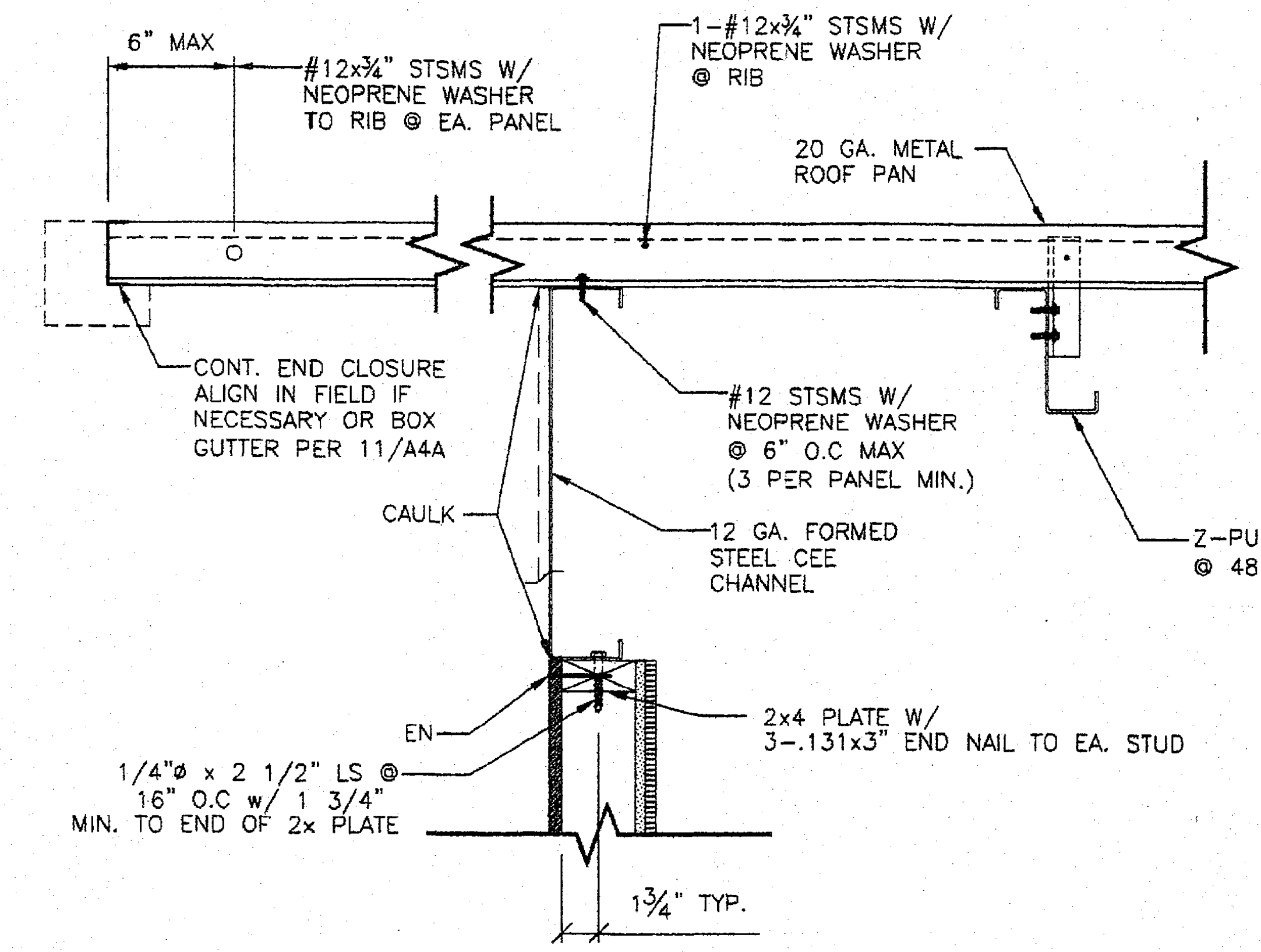
3 S3 TYP. CROSS BRACING DETAILS
1 1/2"=1'-0" @ ROOF PURLIN



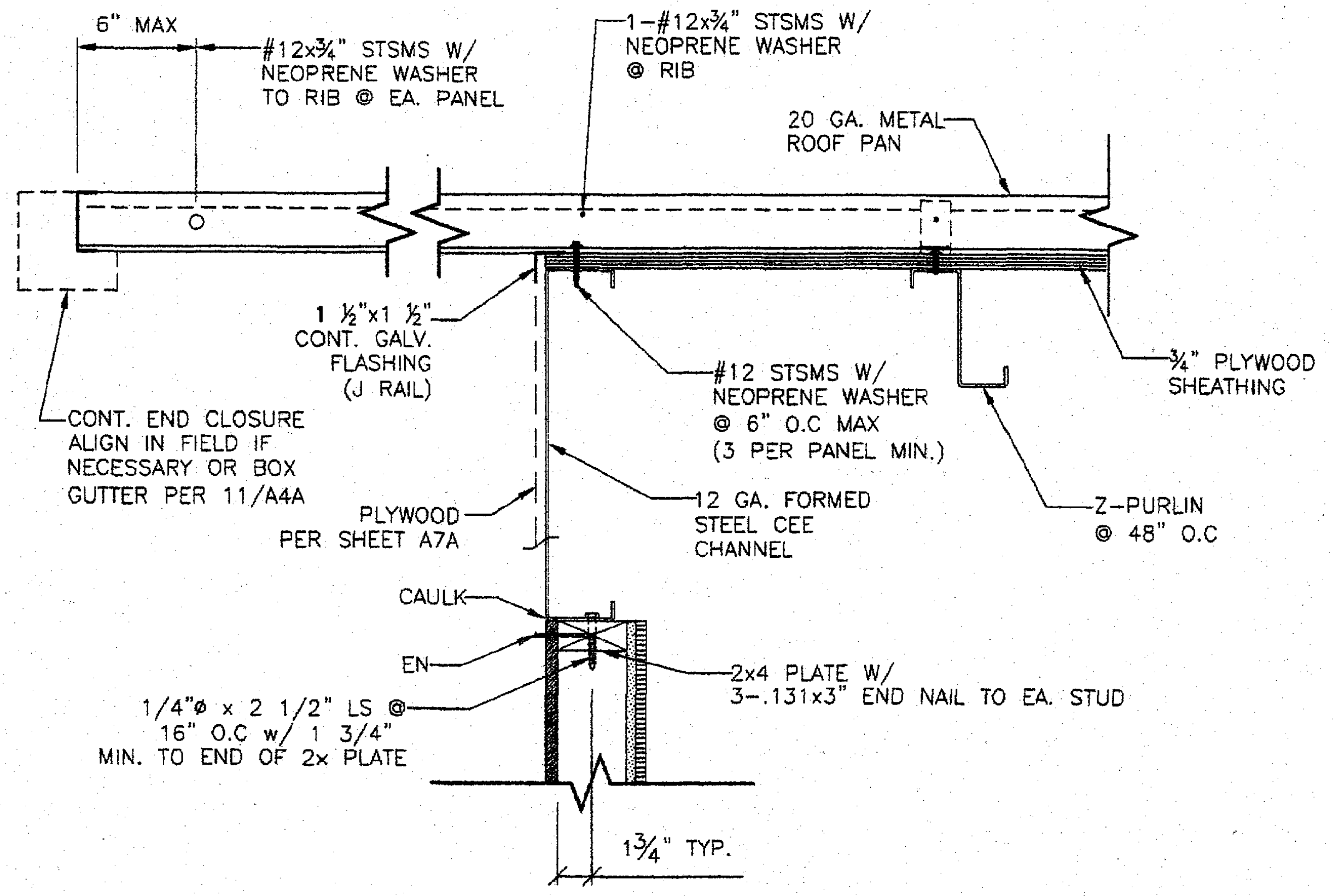
3A S3 TYP. CROSS BRACING DETAILS
1 1/2"=1'-0" @ ROOF PURLIN


#12x¾" STSMS W/ NEOPRENE WASHER @ 24" O.C MAX
20 GA. METAL ROOF PAN
Z-PURLIN PER PLAN
#14x¾" STSMS W/ NEOPRENE WASHER THRU RIB
CAULK
STUCCO OVER ½" PLYWOOD WALL SYSTEM EXTENDS OVER ROOF BEAM. ATTACH PLYWOOD TO ROOF BEAM W/0.144"ø x1" ET & F PINS @ 12" O.C
3"
1/8" 2-1" @ 3" O.C JOIST TO CEE
L 1 ½"x1 ½"x22 GA. COPED L W/2-#10 STS TO EA. PURLIN- TYP @ RIB OVER PURLIN
1/4"ø x 2 1/2" LS @ 16" O.C w/ 1 3/4" MIN. TO END OF 2x PLATE
1 1
1/8" 1 1/2" BRACE TO CEE
0"
BENT PLATE 3"x1"x12 GA. @ 12'-0" O.C MAX W/(4) #12 SMS TO RAFTER
CAULK
2x4 PLATE W/ 3-.131x3" END NAIL TO EA. STUD
EN
INTERIOR FINISH
1¾" TYP.
TO JOIST
TO PLY
1/2"
1 1/2"
OPTIONAL 18 GA CLIP w/2-#10 STSMS w/NEOPRENE WASHERS

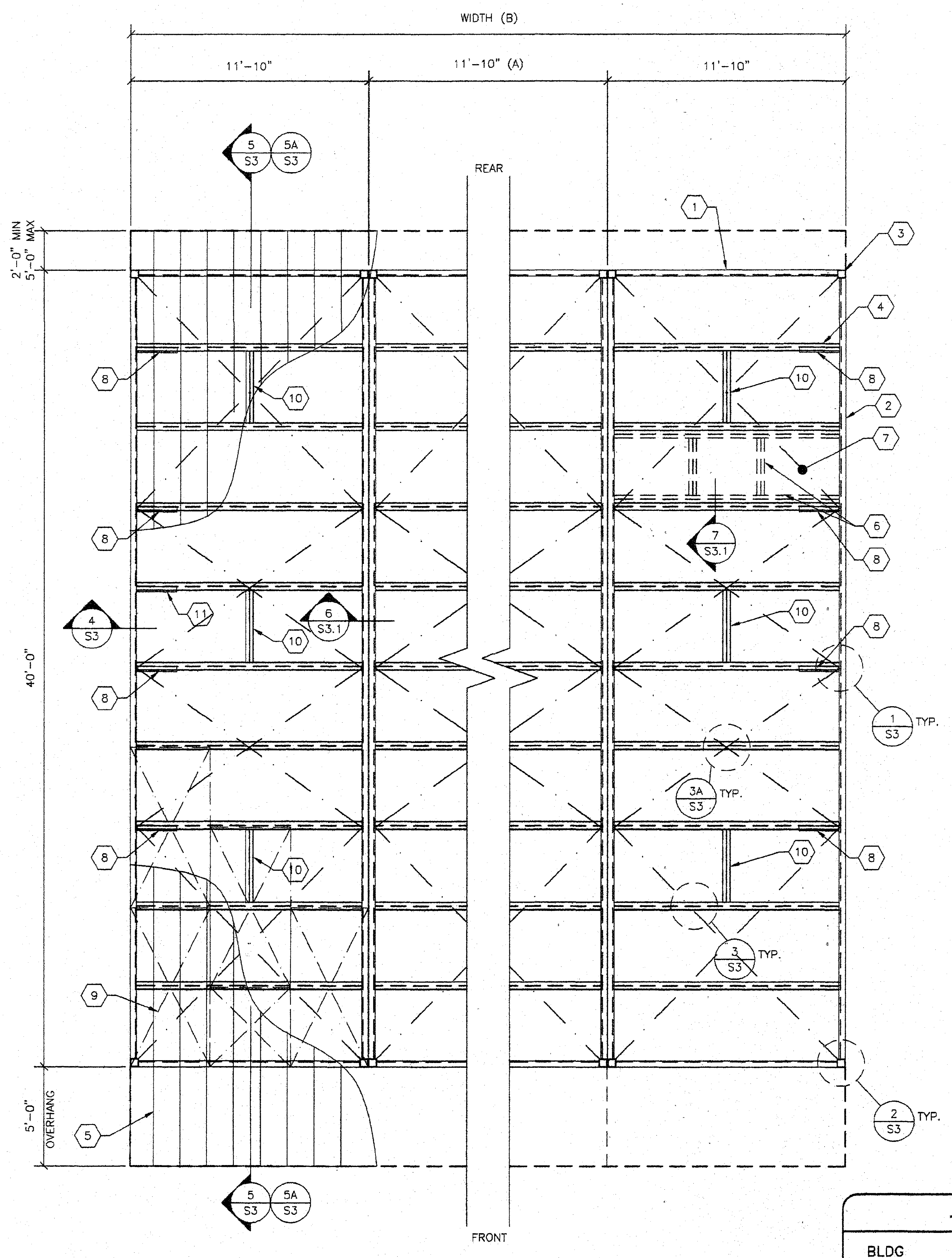
4 S3 SIDE WALL TO ROOF BEAM DETAIL
1 1/2"=1-0"


6" MAX
#12x¾" STSMS W/ NEOPRENE WASHER TO RIB @ EA. PANEL
1-#12x¾" STSMS W/ NEOPRENE WASHER @ RIB
20 GA. METAL ROOF PAN
CONT. END CLOSURE ALIGN IN FIELD IF NECESSARY OR BOX GUTTER PER 11/A4A
#12 STSMS W/ NEOPRENE WASHER @ 6" O.C MAX (3 PER PANEL MIN.)
CAULK
12 GA. FORMED STEEL CEE CHANNEL
Z-PURLIN @ 48" O.C
EN
2x4 PLATE W/ 3-.131x3" END NAIL TO EA. STUD
1/4"ø x 2 1/2" LS @ 16" O.C w/ 1 3/4" MIN. TO END OF 2x PLATE
1¾" TYP.

5 S3 5'-0" OVERHANG DETAIL
1 1/2"=1-0" (REAR OVERHANG DETAIL SIM)


6" MAX
#12x¾" STSMS W/ NEOPRENE WASHER TO RIB @ EA. PANEL
1-#12x¾" STSMS W/ NEOPRENE WASHER @ RIB
20 GA. METAL ROOF PAN
1 ½"x1 ½" CONT. GALV. FLASHING (J RAIL)
¾" PLYWOOD SHEATHING
CONT. END CLOSURE ALIGN IN FIELD IF NECESSARY OR BOX GUTTER PER 11/A4A
#12 STSMS W/ NEOPRENE WASHER @ 6" O.C MAX (3 PER PANEL MIN.)
PLYWOOD PER SHEET A7A
12 GA. FORMED STEEL CEE CHANNEL
Z-PURLIN @ 48" O.C
CAULK
EN
2x4 PLATE W/ 3-.131x3" END NAIL TO EA. STUD
1/4"ø x 2 1/2" LS @ 16" O.C w/ 1 3/4" MIN. TO END OF 2x PLATE
1¾" TYP.

5A S3 5'-0" OVERHANG DETAIL w/3/4" PLYWOOD
1 1/2"=1-0" (REAR OVERHANG DETAIL SIM.)



1 S3 TYPICAL ROOF FRAMING LAYOUT
1/4"=1'-0" (MONO/DUAL SLOPE-OPEN SOFFIT)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS FLS SS
DATE MAY 09 2019

- KEY NOTES -

1. 12 GA. TRANSVERSE BEAM
2. 10 GA. LONGITUDINAL ROOF CHANNEL TYP.
3. HSS PER SHEET S4
4. 'Z' FORMED ROOF PURLINS PER 8A/S3.1 @ 48" O.C. MAX
5. 20 GA. ROOF PAN
   ALTERNATE 26 GA. ROOF PAN W/ROOF PLYWOOD & ENCLOSED SOFFIT OVERHANG OPTIONS ONLY SEE SHEET S3A
6. PROVIDE DOUBLE 6" PURLINS W/6" PURLIN BLKG @ OPTIONAL 600# HVAC.
   (10'-0" MAX FROM END OF BLDG TO CENTER OF UNIT)
7. 2"x16 GA. STRAP CROSS BRACING GRADE 50
   ALT. CROSS BRACING
   3"x18 GA. GRADE 50
8. 3x1x12 GA. BENT PLATE BRACE @ EA. STRAP TO 10 GA. BM CONN. & @ 12'-0" OC MAX AND (1) ADDITIONAL BENT PLATE AT PURLIN BLOCKING LOCATION. REFER TO PLAN FOR LOCATIONS AND 4/S3 FOR DETAILS
9. ALTERNATE TO CROSS BRACING:
   ¾" ROOF SHTHG CD EXPOSURE 1 BLW ROOF PAN, SPAN INDEX: 48/24, GRAIN NORMAL TO RAFTERS.
   NAILING: ET & F POWER DRIVEN PINS, UNO.
   BOUNDRY OF EA. MODULE:
   0.144"øx2" PINS @ 6" O.C
   OR #12x2" SMS @ 6 O.C
   PANEL EDGE: 0.144"øx2" PINS
   OR #10x 1 ½" SMS @ 6" O.C
   PANEL FIELD: 0.144"øx2" PINS
   OR #10x2" SMS @ 12" O.C
   ROOF SHTHG MAY REPLACE STRAP CROSS BRACING ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF PLYWOOD & ¾" MIN. FROM EDGE OF STEEL SUPPORTING MEMBER.
   SEE S3A FOR MORE INFORMATION.
10. PURLIN BLOCKING
    WELD TO ROOF PURLINS PER DETAIL 7/S3.1. BLOCKING IS ONLY REQUIRED AT THE OUTSIDE MODULES

- GENERAL NOTES -

1. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
2. SEE SHEET S5 FOR TYP. SIDE WALL FRAMING.
3. SEE SHEET S5 FOR TYP. END WALL FRAMING.
4. ALL FASTENERS THRU METAL ROOF PANEL SHALL BE INSTALLED w/NEOPRENE WASHERS.

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
~~24' x 40'~~	~~2~~	~~0~~	~~23'-8 1/4"~~
~~36' x 40'~~	~~3~~	~~1~~	~~35' 6 1/2"~~
48' x 40'	4	2	47'-4 3/4"
~~60' x 40'~~	~~5~~	~~3~~	~~59' 3"~~
~~72' x 40'~~	~~6~~	~~4~~	~~71' 1 1/4"~~
~~84' x 40'~~	~~7~~	~~5~~	~~82' 11 1/2"~~
~~96' x 40'~~	~~8~~	~~6~~	~~94'-9 3/4"~~
~~108' x 40'~~	~~9~~	~~7~~	~~106' 8"~~
~~120' x 40'~~	~~10~~	~~8~~	~~118' 6 1/4"~~
~~132' x 40'~~	~~11~~	~~9~~	~~130' 4 1/2"~~
~~144' x 40'~~	~~12~~	~~10~~	~~142'-2 3/4"~~

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 01/25/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24' x 40' THRU 144' x 40' (ES) RELOCATABLE CLASSROOMS
ROOF FRAMING PLANS (OPEN SOFFIT)

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Luttrell
No. 1418
EXP. 3-31-09
Structural Engineer

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~02 111652~~
~~AC FLS SS~~
~~DATE NOV 18 2010~~

JOHN H. LAWDER
No. 2310
Exp. 3-31-1

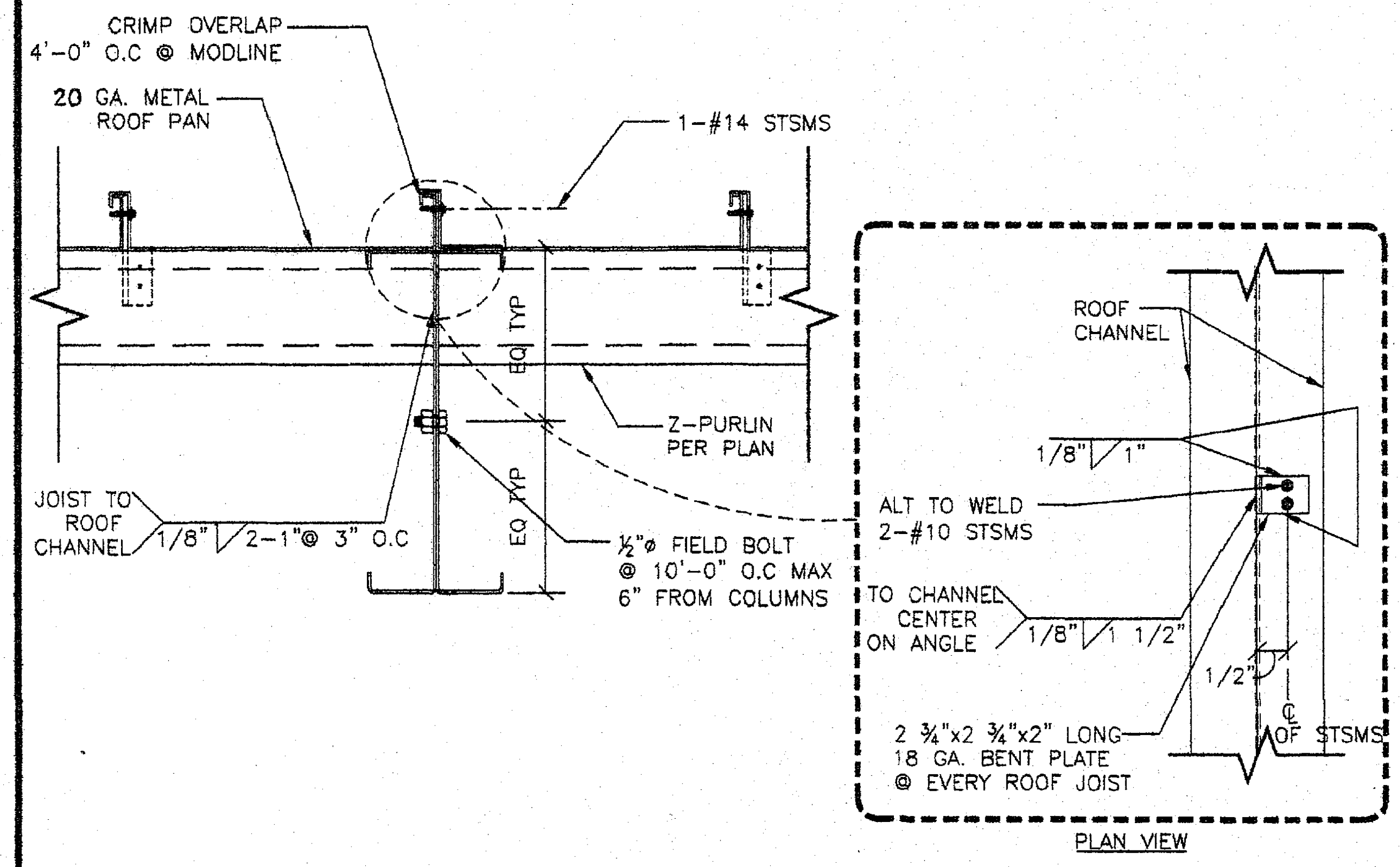
~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~PC 02-109635~~
AC. FLS. SS. DPR
DATE 1/29/08

PROJECT No.
PC

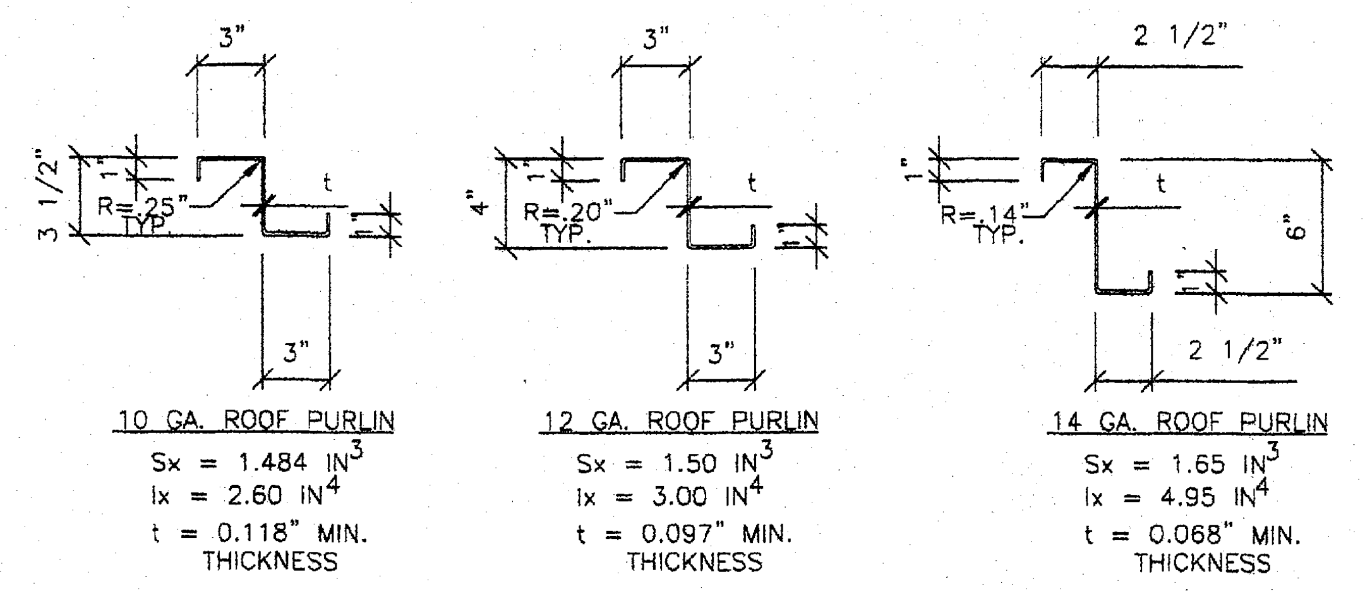
S3

ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS.


CRIMP OVERLAP 4'-0" O.C @ MODLINE
20 GA. METAL ROOF PAN
1-#14 STSMS
Z-PURLIN PER PLAN
EQ TYP
EQ TYP
JOIST TO ROOF CHANNEL 1/8" 2-1"@ 3" O.C
½"ø FIELD BOLT @ 10'-0" O.C MAX 6" FROM COLUMNS
ROOF CHANNEL
1/8" 1"
ALT TO WELD 2-#10 STSMS
TO CHANNEL CENTER ON ANGLE 1/8" 1 1/2"
1/2"
℄ OF STSMS
2 ¾"x2 ¾"x2" LONG 18 GA. BENT PLATE @ EVERY ROOF JOIST
PLAN VIEW

6 ROOF BEAM CONNECTION DETAIL
S3.1 1 1/2"=1-0"



10 GA. ROOF PURLIN
Sx = 1.484 IN^3
Ix = 2.60 IN^4
t = 0.118" MIN. THICKNESS

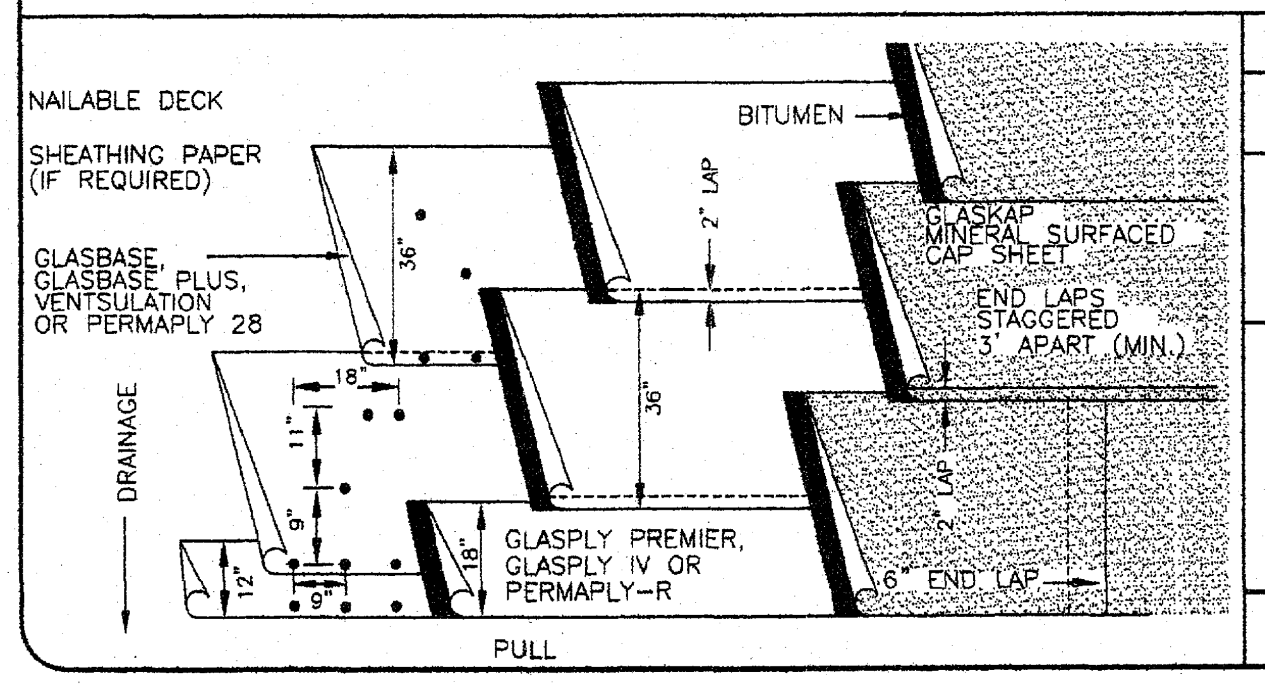
12 GA. ROOF PURLIN
Sx = 1.50 IN^3
Ix = 3.00 IN^4
t = 0.097" MIN. THICKNESS

14 GA. ROOF PURLIN
Sx = 1.65 IN^3
Ix = 4.95 IN^4
t = 0.068" MIN. THICKNESS

JOIST FABRICATED FROM ASTM A1011 GRADE 36. HOT ROLLED SHEETS, JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.

8A Z PURLINS DETAILS AND PROPERTIES
S3.1 1 1/2"=1-0"

THREE PLY MINERAL SURFACED FIBER GLASS BUILT-UP ROOF


NAILABLE DECK
SHEATHING PAPER (IF REQUIRED)
GLASBASE, GLASBASE PLUS, VENTSULATION OR PERMAPLY 28
BITUMEN
2" LAP
36"
GLASKAP MINERAL SURFACED CAP SHEET
END LAPS STAGGERED 3' APART (MIN.)
18"
11"
9"
12"
9"
36"
18"
2" LAP
GLASPLY PREMIER, GLASPLY IV OR PERMAPLY-R
6" END LAP
DRAINAGE
PULL

MATERIALS PER 100 SQ. FT. OF ROOF AREA

SHEATHING PAPER:
WOOD BOARD DECKS ONLY........................1 LAYER

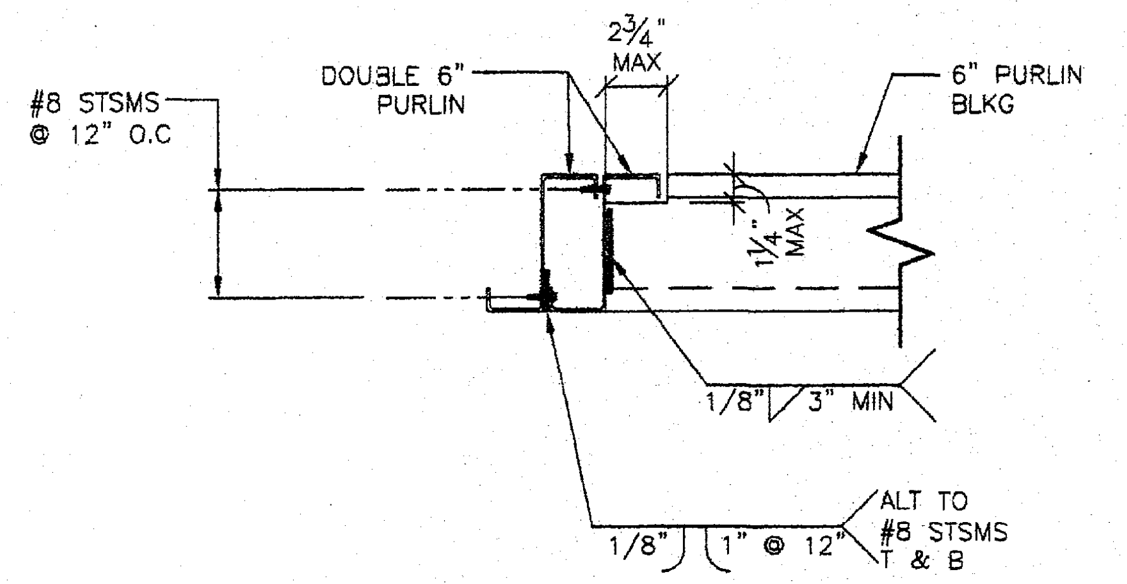
FELTS:
GLASBASE, GLASBASE PLUS, PERMAPLY 28 OR VENTSULATION FELT.........1 PLY
GLASPLY PREMIER, PERMAPLY-R OR GLASPLY IV........................1 PLY
GLASKAP, MINERAL SURFACED CAP SHEET........................1 PLY

BITUMEN (INTERPLY):

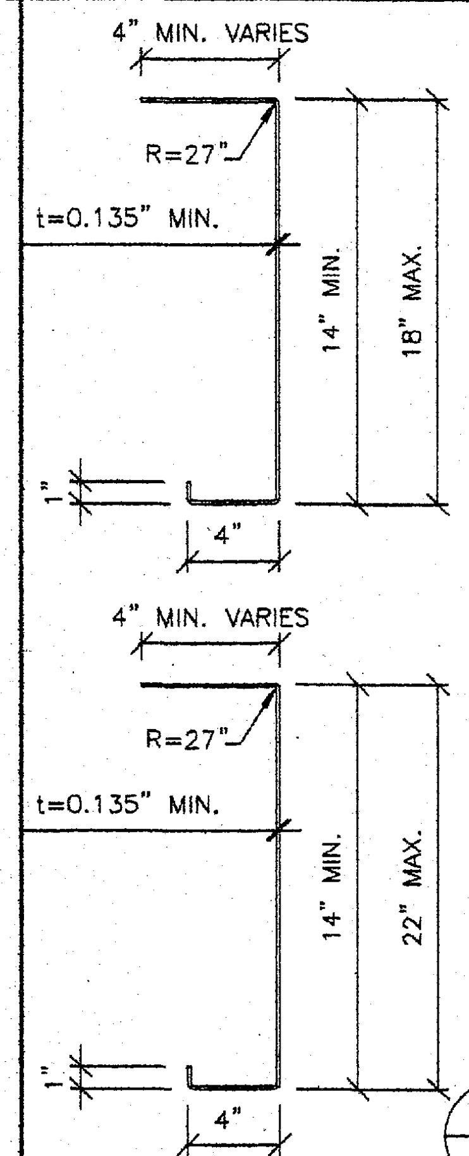
INCLINE PER FOOT	ASPHALT	NOMINAL WEIGHT
UP TO 1"	170°F, TYPE II, FLAT	46 LBS.
1" TO 3"	190°F, TYPE III, STEEP	46 LBS.
3" TO 6"	220°F, TYPE IV, SPECIAL STEEP	46 LBS.
0 TO 6"	PERMAMOP	46 LBS.

APPROXIMATE INSTALLED WEIGHT: 141-215 LBS.
ROOFING CLASS: A

11 THREE PLY MINERAL BUILT-UP ROOF
S3.1 1 1/2"=1-0"



7 BLOCKING DETAIL
S3.1 1 1/2"=1-0"



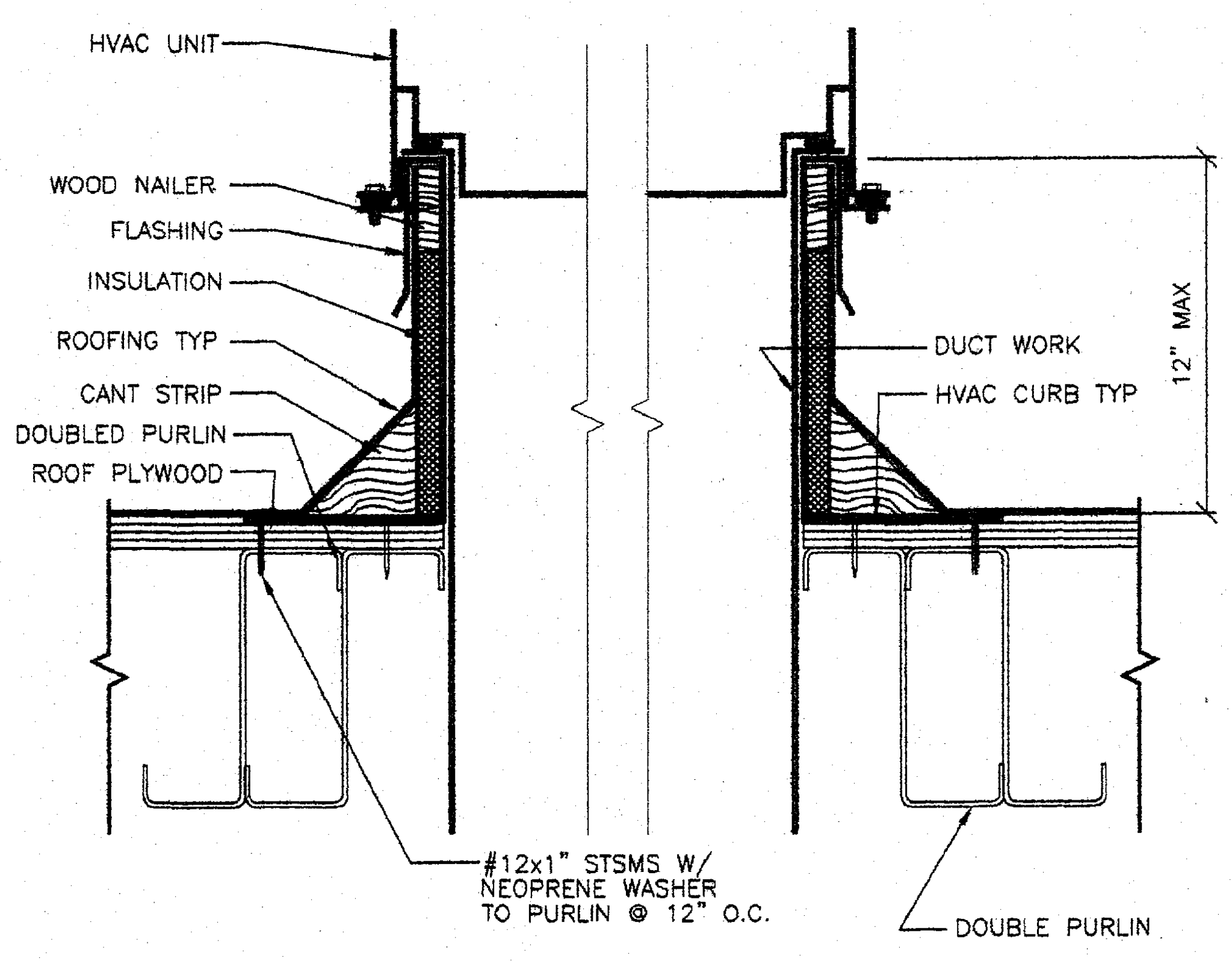
	14"	18"
A	3.14 IN^2	3.71 IN^2
Sx MIN.	12.07 IN^3	17.32 IN^3
Ix MIN.	86.94 IN^4	159.80 IN^4

BEAM FABRICATED FROM ASTM A1011 GR50 W/RUST INHIBITIVE COATING.

	14"	22"
A	3.14 IN^2	4.28 IN^2
Sx MIN.	12.07 IN^3	23.33 IN^3
Ix MIN.	86.94 IN^4	262.35 IN^4

BEAM FABRICATED FROM ASTM A1011 GR50 W/RUST INHIBITIVE COATING.

9 LONGITUDINAL ROOF BEAM
S3.1 1 1/2"=1-0"

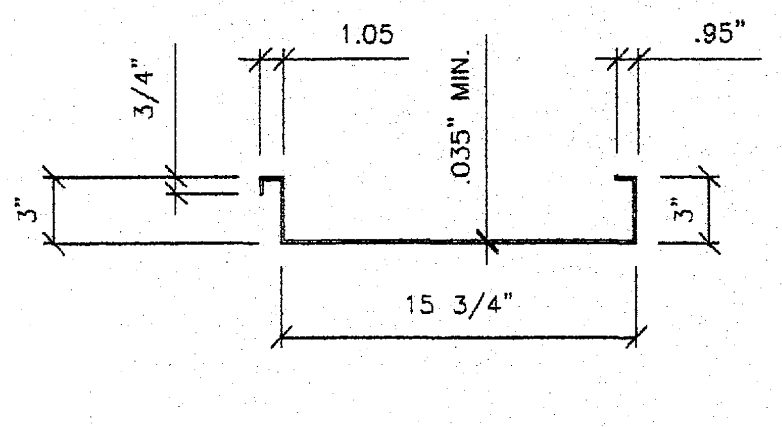


12 HVAC CURB DETAIL ANCHORAGE
S3.1 3"=1-0"

- GENERAL NOTES -

1. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.

(26 GA. MAY BE USED W/ENCLOSED SOFFIT)

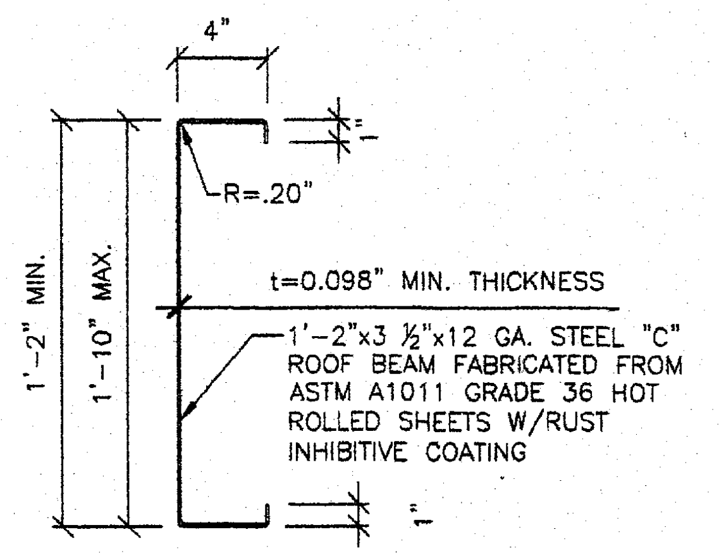


$S_x^+(t) = 0.364\ IN^3$
$S_x^+(b) = 1.372\ IN^3$
$I_x^+ = 0.863\ IN^4$

$S_x^-(t) = 0.330\ IN^3$
$S_x^-(b) = 0.305\ IN^3$
$I_x^- = 0.476\ IN^4$

PAN FABRICATED FROM ASTM A1011 GRADE 36, HOT ROLLED SHEETS. PAN TO BE GIVEN A RUST INHIBITIVE COATING.

8 20 GA. ROOF PAN
S3.1 1 1/2"=1-0"



t=0.098" MIN. THICKNESS

1'-2"x3 ½"x12 GA. STEEL "C" ROOF BEAM FABRICATED FROM ASTM A1011 GRADE 36 HOT ROLLED SHEETS W/RUST INHIBITIVE COATING

TYPICAL SECTION

C SECTION PROPERTIES
D=1'-2"
A=2.6 IN^2
Sx=9.57 IN^3
Ix=67.02 IN^4

10 12 GA. ROOF CHANNEL
S3.1 1 1/2"=1-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS ✓ SS
DATE MAY 09 2013

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 01/25/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24' x 40' THRU 144' x 40' (ES) RELOCATABLE CLASSROOMS
ROOF FRAMING DETAILS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Luttrell No. 1418 EXP. 3-31-09 Structural Engineer

~~IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 02 111652 AC FLS SS DATE NOV 18 2008~~

No. 2310

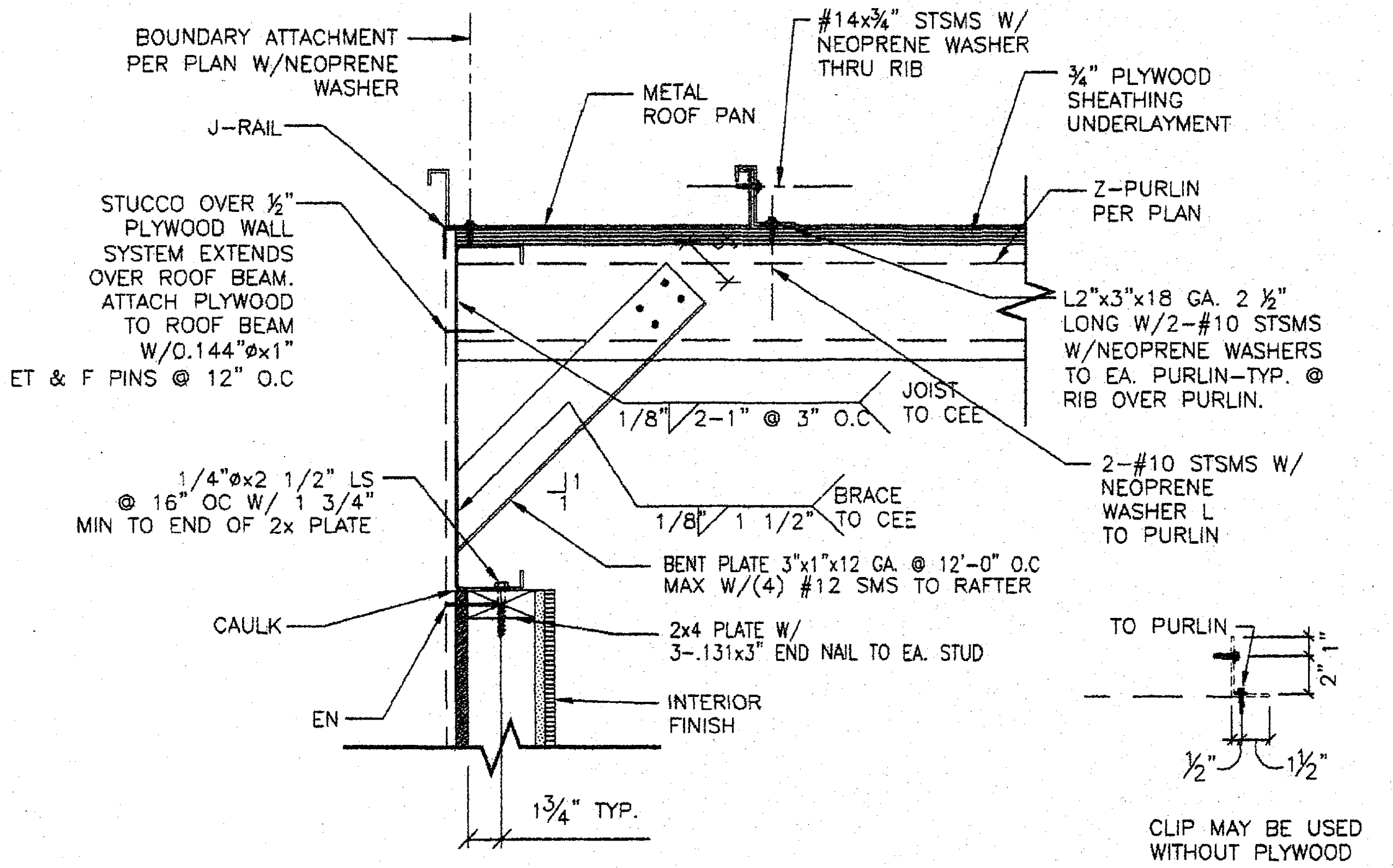
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC FLS SS
DATE 1/27/09

PROJECT No.
PC

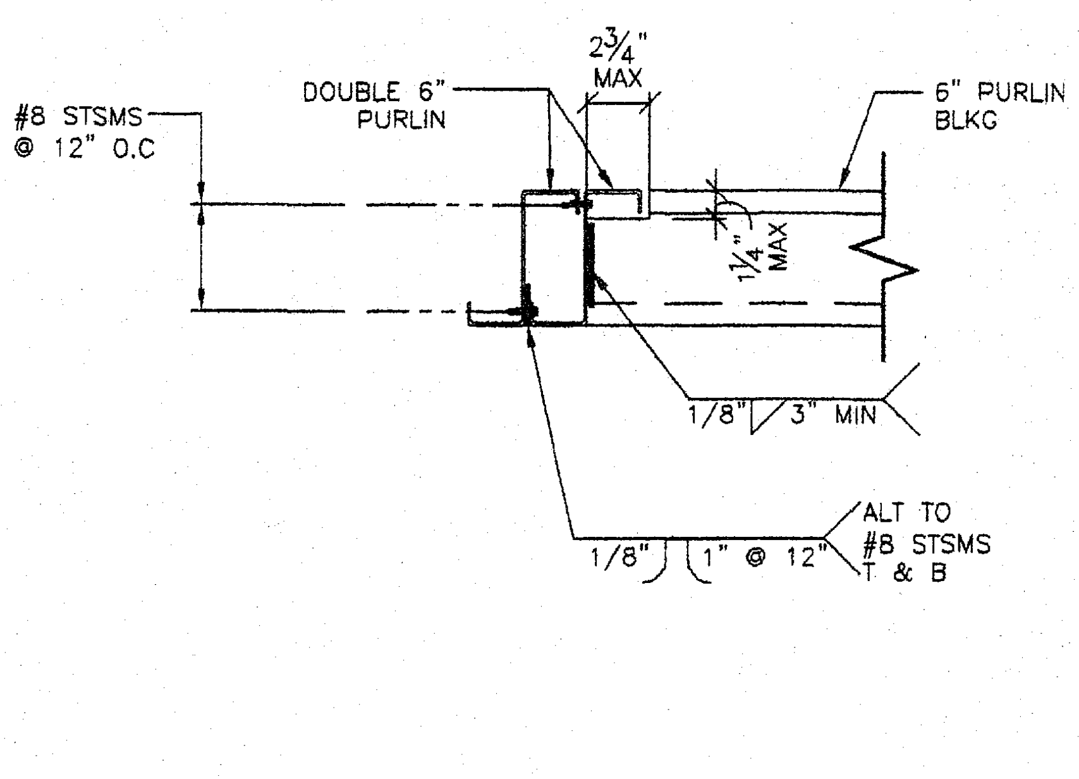
S3.1

ADDENDUM

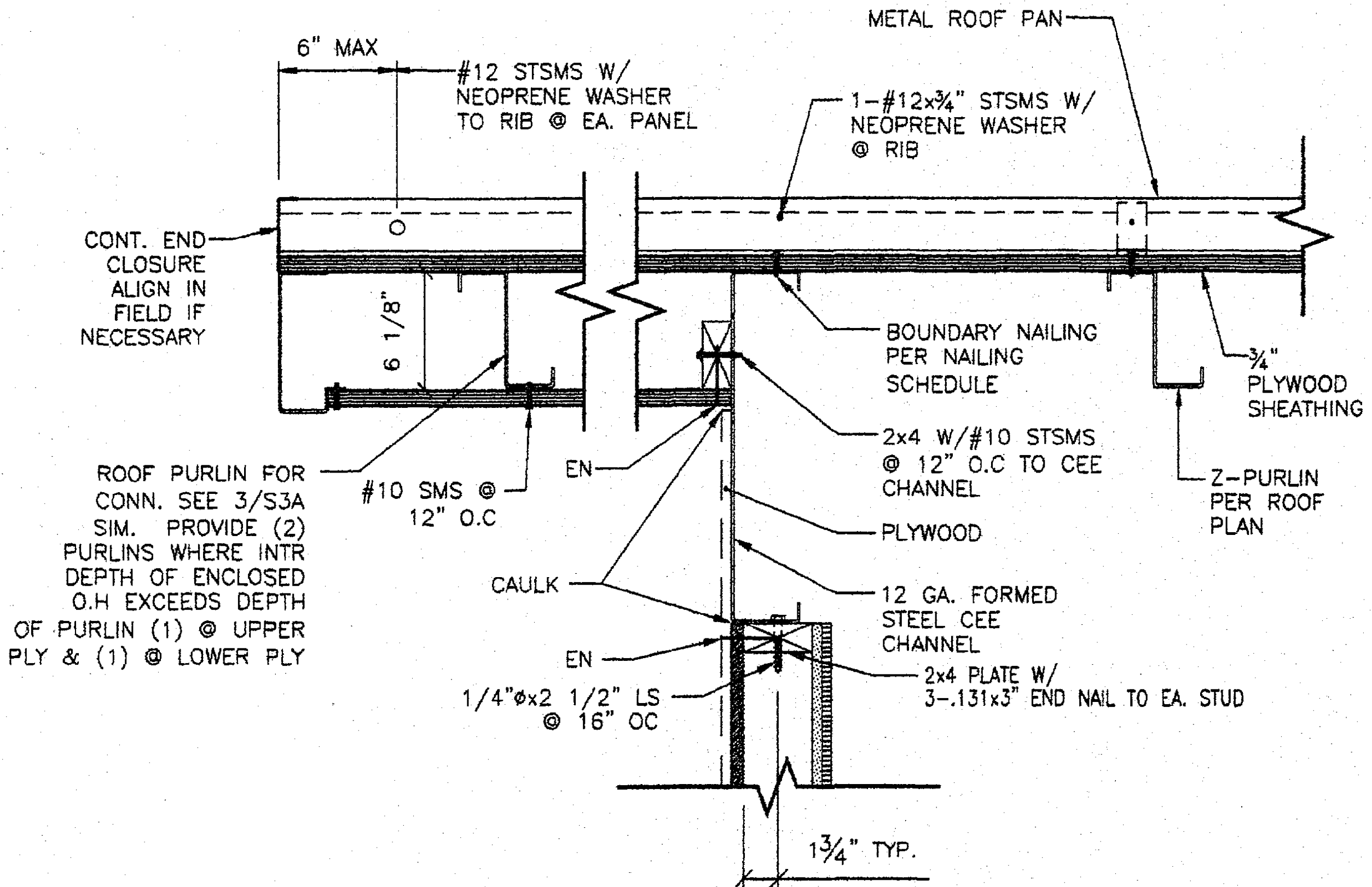
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS.


BOUNDARY ATTACHMENT PER PLAN W/NEOPRENE WASHER
#14x¾" STSMS W/ NEOPRENE WASHER THRU RIB
METAL ROOF PAN
¾" PLYWOOD SHEATHING UNDERLAYMENT
J-RAIL
Z-PURLIN PER PLAN
STUCCO OVER ½" PLYWOOD WALL SYSTEM EXTENDS OVER ROOF BEAM. ATTACH PLYWOOD TO ROOF BEAM W/0.144"ø×1" ET & F PINS @ 12" O.C
L2"x3"x18 GA. 2 ½" LONG W/2-#10 STSMS W/NEOPRENE WASHERS TO EA. PURLIN-TYP. @ RIB OVER PURLIN.
1/8" 2-1" @ 3" O.C JOIST TO CEE
2-#10 STSMS W/ NEOPRENE WASHER L TO PURLIN
1/4"øx2 1/2" LS @ 16" OC W/ 1 3/4" MIN TO END OF 2x PLATE
1/8" 1 1/2" BRACE TO CEE
BENT PLATE 3"x1"x12 GA. @ 12'-0" O.C MAX W/(4) #12 SMS TO RAFTER
CAULK
2x4 PLATE W/ 3-.131x3" END NAIL TO EA. STUD
TO PURLIN
1"
2"
EN
INTERIOR FINISH
½"
1½"
1¾" TYP.
CLIP MAY BE USED WITHOUT PLYWOOD DECK, ALT. TO 4/S3

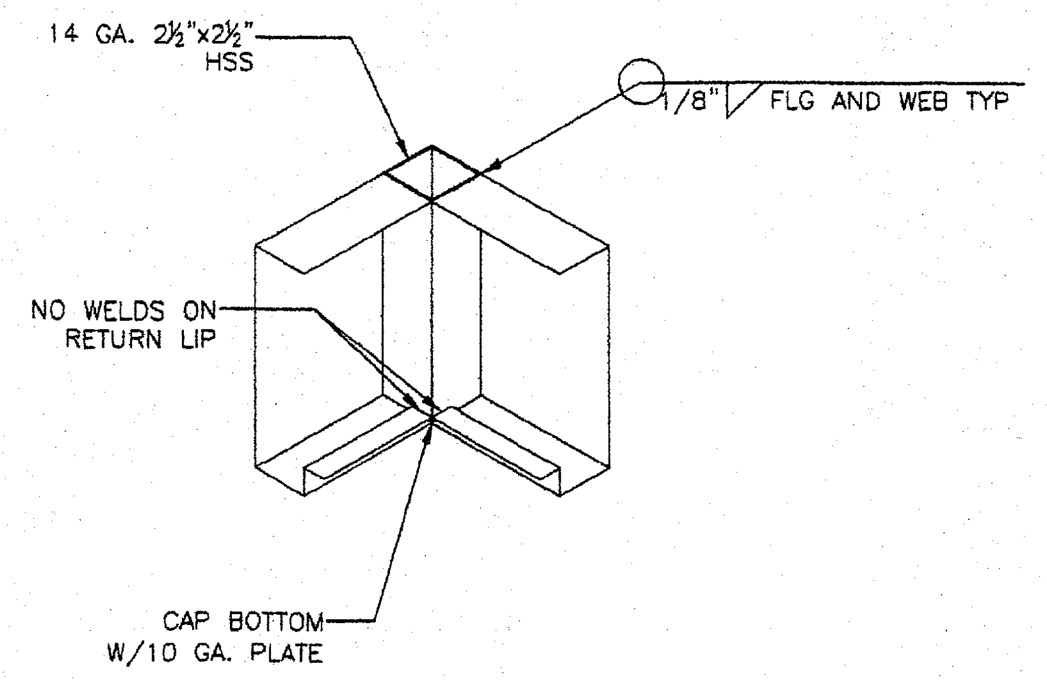
1 / S3A **TYP. PLYWOOD SHEATHING**
1 1/2"=1'-0"



4 / S3A **BLOCKING DETAIL**
1 1/2"=1'-0"


6" MAX
#12 STSMS W/ NEOPRENE WASHER TO RIB @ EA. PANEL
METAL ROOF PAN
1-#12x¾" STSMS W/ NEOPRENE WASHER @ RIB
CONT. END CLOSURE ALIGN IN FIELD IF NECESSARY
6 1/8"
BOUNDARY NAILING PER NAILING SCHEDULE
¾" PLYWOOD SHEATHING
2x4 W/#10 STSMS @ 12" O.C TO CEE CHANNEL
ROOF PURLIN FOR CONN. SEE 3/S3A SIM. PROVIDE (2) PURLINS WHERE INTR DEPTH OF ENCLOSED O.H EXCEEDS DEPTH OF PURLIN (1) @ UPPER PLY & (1) @ LOWER PLY
#10 SMS @ 12" O.C
EN
Z-PURLIN PER ROOF PLAN
PLYWOOD
CAULK
12 GA. FORMED STEEL CEE CHANNEL
EN
2x4 PLATE W/ 3-.131x3" END NAIL TO EA. STUD
1/4"øx2 1/2" LS @ 16" OC
1¾" TYP.

2 / S3A **OVERHANG DETAIL**
1 1/2"=1-0"
OVERHANG W/PLYWOOD SHEATHING



5 / S3A **ALT ENCLOSED SOFFIT STL PROFILE**
NOT TO SCALE

- KEY NOTES -

1. 12 GA. TRANSVERSE BEAM
2. 10 GA. LONGITUDINAL ROOF CHANNEL TYP.
3. HSS PER SCHEDULE SHEET S4
4. 'Z' FORMED ROOF PURLINS PER 8A/S3.1 @ 48" O.C. MAX
5. 16x3 0.34"x20 GA. ROOF PAN (ALT. 26 GA. ROOF PAN OVER PLY DECK ONLY)
6. PROVIDE DOUBLE 6" PURLINS W/6" PURLIN BLKG @ OPTIONAL 600# HVAC. (10'-0" MAX FROM END OF BLDG TO CENTER OF UNIT)
7. PURLIN BLOCKING WELD TO ROOF PURLINS PER DETAIL 7/S3.1. BLOCKING IS ONLY REQUIRED AT THE OUTSIDE MODULES
8. 3"x1"x12 GA. BENT PLATE PER 1/S3A LOCATE AT PURLINS W/BLOCKING PER NOTE 7 ABOVE (IF CROSS BRACING IS USED THEN REFER TO PLAN 1/S3 FOR BENT PLATE LOCTIONS)
9. 3/4" APA RATED L-P OSB SHEATHING OR 3/4" PLYWOOD (ALL SHEATHING SHALL BE EITHER T&G OR EDGE CLIP) COMPLY WITH DSA PA-062, CD EXPOSURE-1 48/24 SPAN INDEX, FACE GRAIN NORMAL TO ROOF JOISTS ROOF SHTHG MAY BE REPLACED BY STRAP CROSS BRACING (REFER TO SHEET S3 FOR DETAILS) ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF PLYWOOD & EDGE OF STEEL SUPPORTING MEMBER.
10. HSS COLUMN 14 GA. 2 ½"x2 ½"TYP.
11. 14 GA. FORMED STEEL CEE SEE 7/S3A

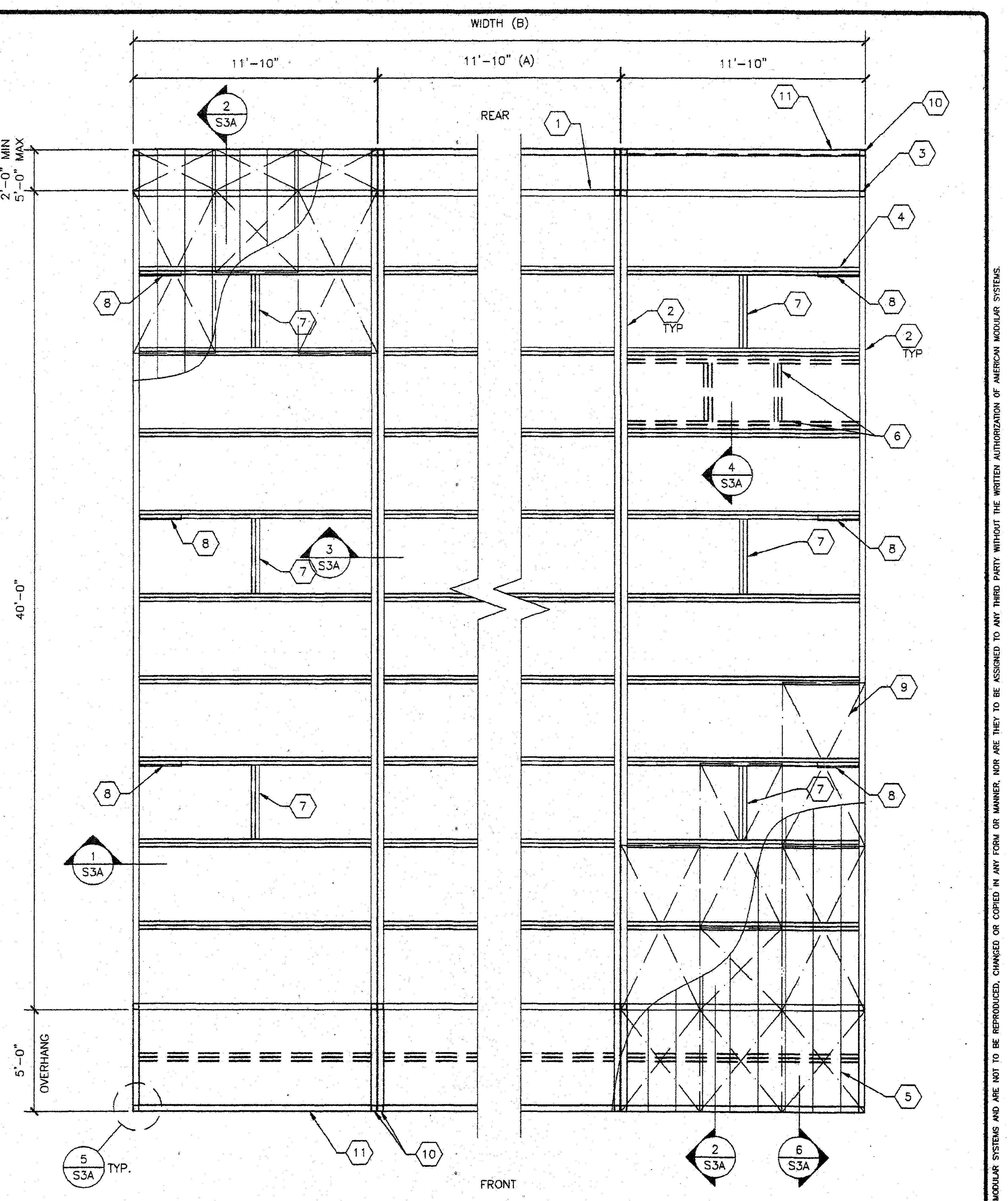
FASTENING SPACING SCHEDULE

NAILING	0.144 PINS SPACING		# 10 SMS SPACING	
	TYPICAL	WITHIN 4' OF BUILDING CORNERS	TYPICAL	WITHIN 4' OF BUILDING CORNERS
BOUNDARY	6" O.C.	6" O.C.	6" O.C.	6" O.C.
EDGE	6" O.C.	6" O.C.	6" O.C.	6" O.C.
FIELD	12" O.C	6" O.C	12" O.C	12" O.C

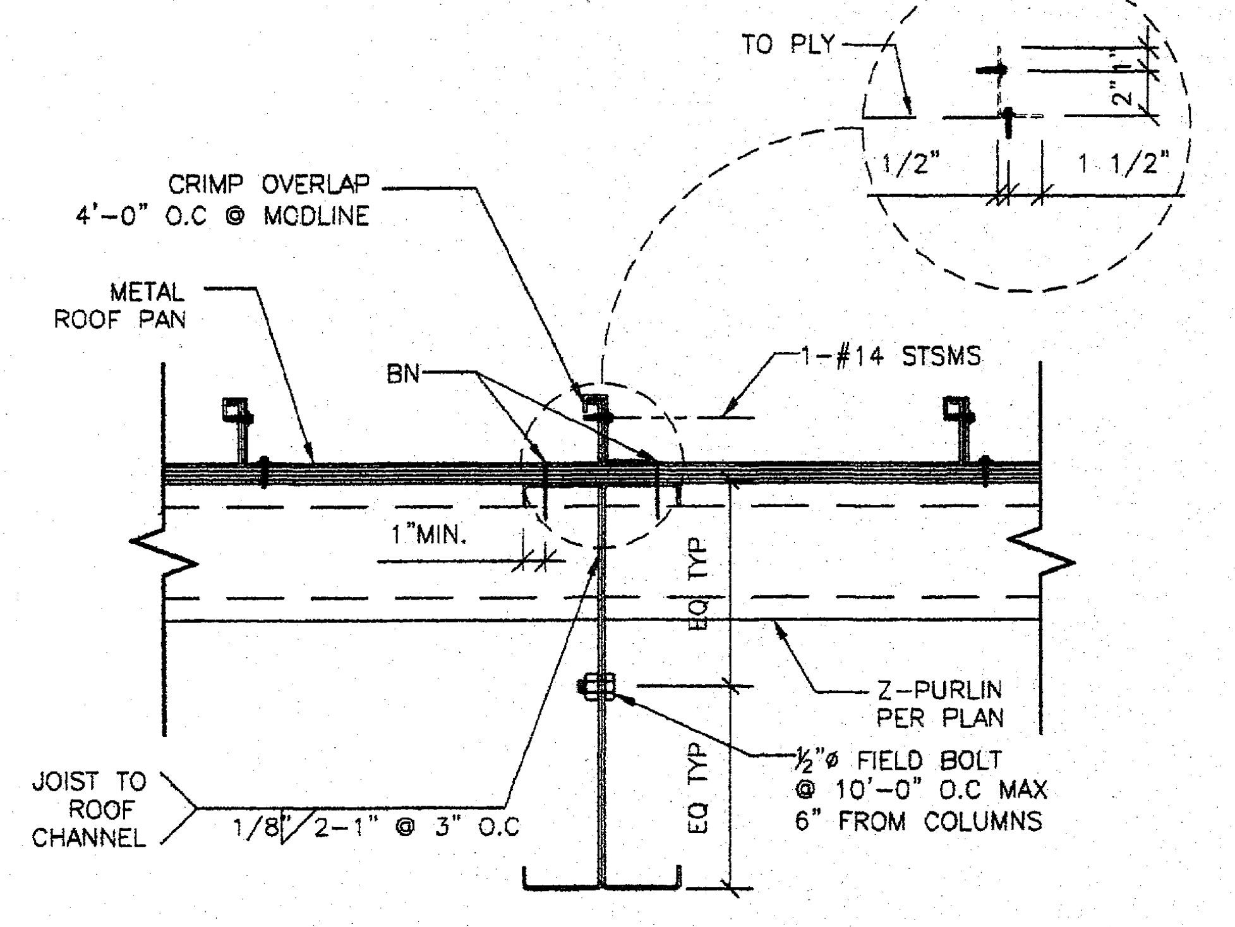
ET & F 0.144 PINS PER ICC ESR #4144

- GENERAL NOTES -

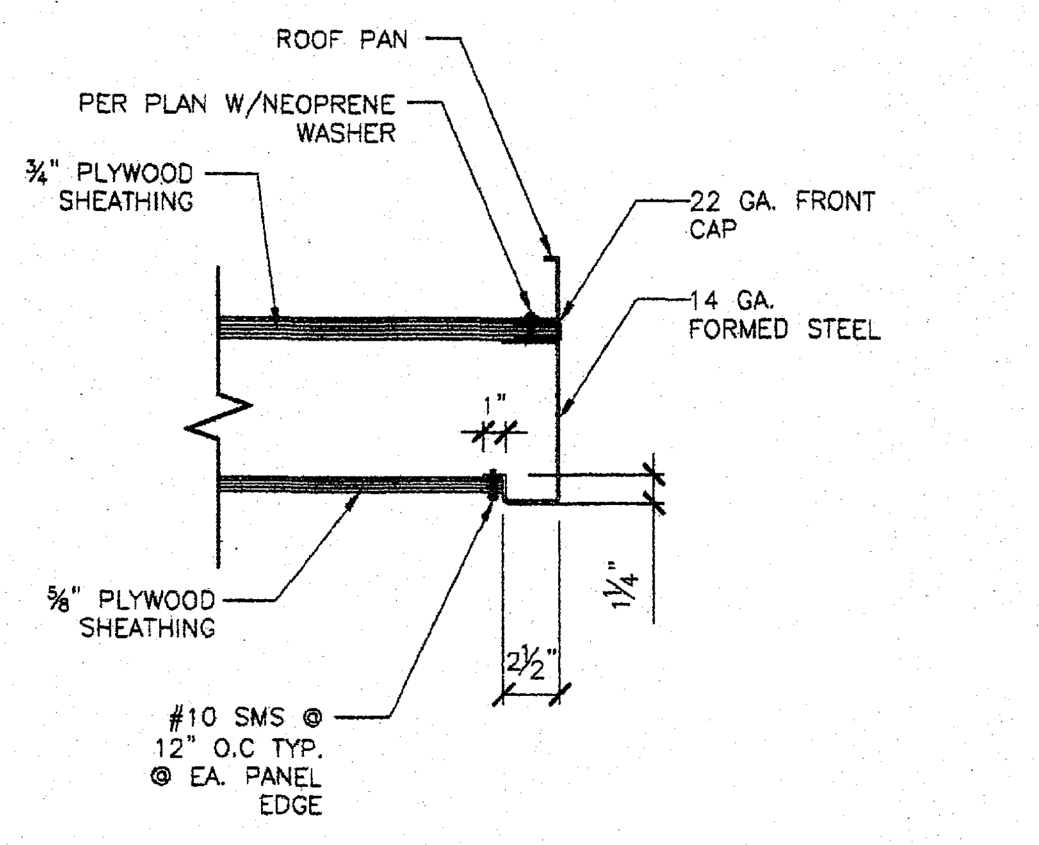
1. THE MATERIAL THICKNESS OF STRUCTURAL MEMBER, IN THEIR END-USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED IN THE TABLE OR IN THE PLAN. THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.
2. SEE SHEET S5 FOR TYP. SIDE WALL FRAMING.
3. SEE SHEET S5 FOR TYP. END WALL FRAMING.
4. ALL FASTENERS THRU METAL ROOF PANEL SHALL BE INSTALLED w/NEOPRENE WASHERS.



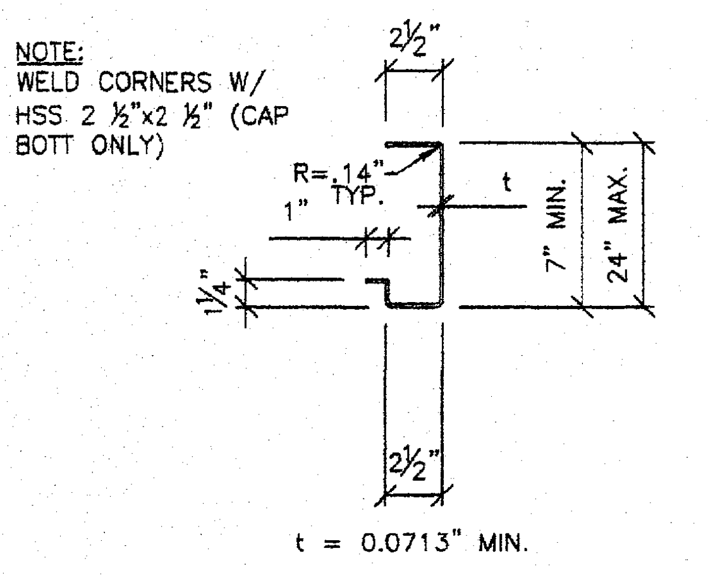
1A / S3A **TYPICAL ROOF FRAMING LAYOUT**
1/4"=1'-0"
ENCLOSED SOFFIT



3 / S3A **ROOF BEAM CONNECTION DETAIL**
1 1/2"=1-0"



6 / S3A **ENCLOSED SOFFIT DETAIL**
1 1/2"=1-0"



NOTE:
14 GA. STL FABRICATED FROM ASTM A1011 GRADE 36 ROLLED SHEETS W/RUST INHIBITVE PRIMER

NOTE:
WELD CORNERS W/ HSS 2 ½"x2 ½" (CAP BOTT ONLY)

t = 0.0713" MIN.

7 / S3A **14 GA. FORMED STEEL CEE**
1 1/2"=1-0"
ALT. ENCLOSED SOFFIT

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
~~24' x 40'~~	~~2~~	~~0~~	~~23'-8 1/4"~~
~~36' x 40'~~	~~3~~	~~1~~	~~35'-6 1/2"~~
48' x 40'	4	2	47'-4 3/4"
~~60' x 40'~~	~~5~~	~~3~~	~~59'-3"~~
~~72' x 40'~~	~~6~~	~~4~~	~~71'-1 1/4"~~
~~84' x 40'~~	~~7~~	~~5~~	~~82'-11 1/2"~~
~~96' x 40'~~	~~8~~	~~6~~	~~94'-9 3/4"~~
~~108' x 40'~~	~~9~~	~~7~~	~~106'-8"~~
~~120' x 40'~~	~~10~~	~~8~~	~~118'-6 1/4"~~
~~132' x 40'~~	~~11~~	~~9~~	~~130'-4 1/2"~~
~~144' x 40'~~	~~12~~	~~10~~	~~142'-2 3/4"~~

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS
DATE MAY 09 2019

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 12/04/07
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24' x 40' THRU 144' x 40' (ES) RELOCATABLE CLASSROOM
ROOF FRAMING PLAN & DETAILS (ENCLOSED SOFFIT OPTIONS)

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7016
americanmodular.com

APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Luttrell
No. 1418
EXP. 3-31-09
Structural Engineer

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~02 111652~~
~~AC FLS SS~~
~~DATE NOV 18 2010~~

JOHN H. LAWSON
No. 2310
Exp. 3-31-11

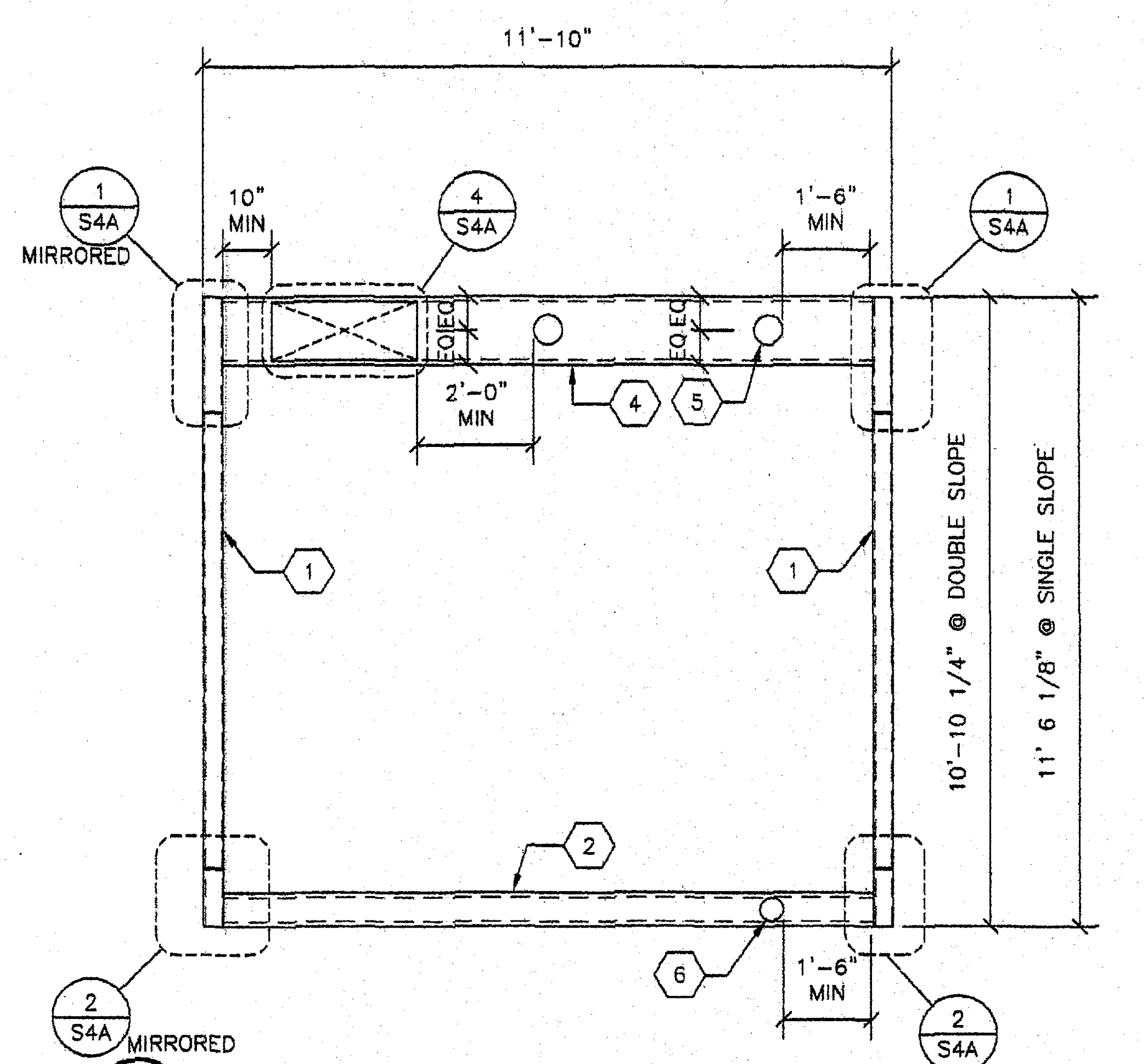
~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~PC 02-109635~~
~~AC FLS SS~~
~~DATE 1/27/09~~

PROJECT No.

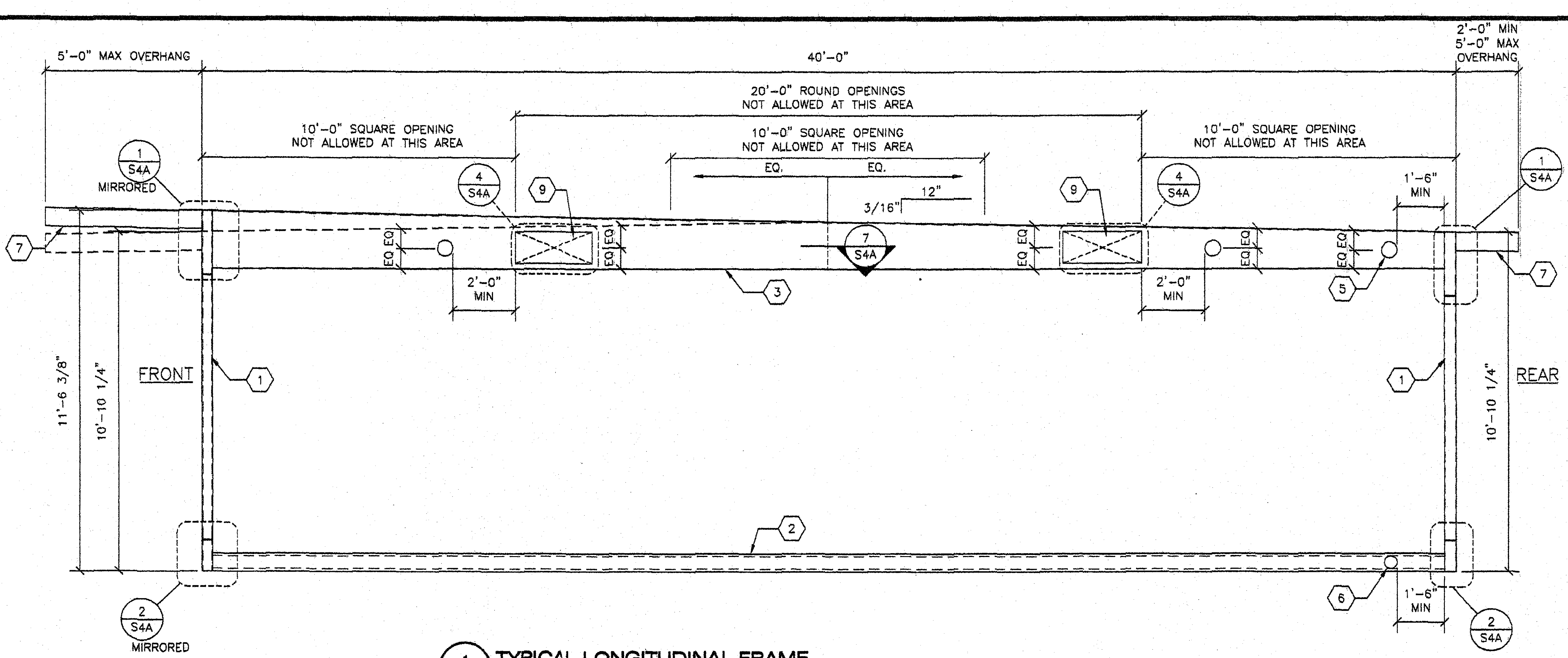
S3A

ADDENDUM

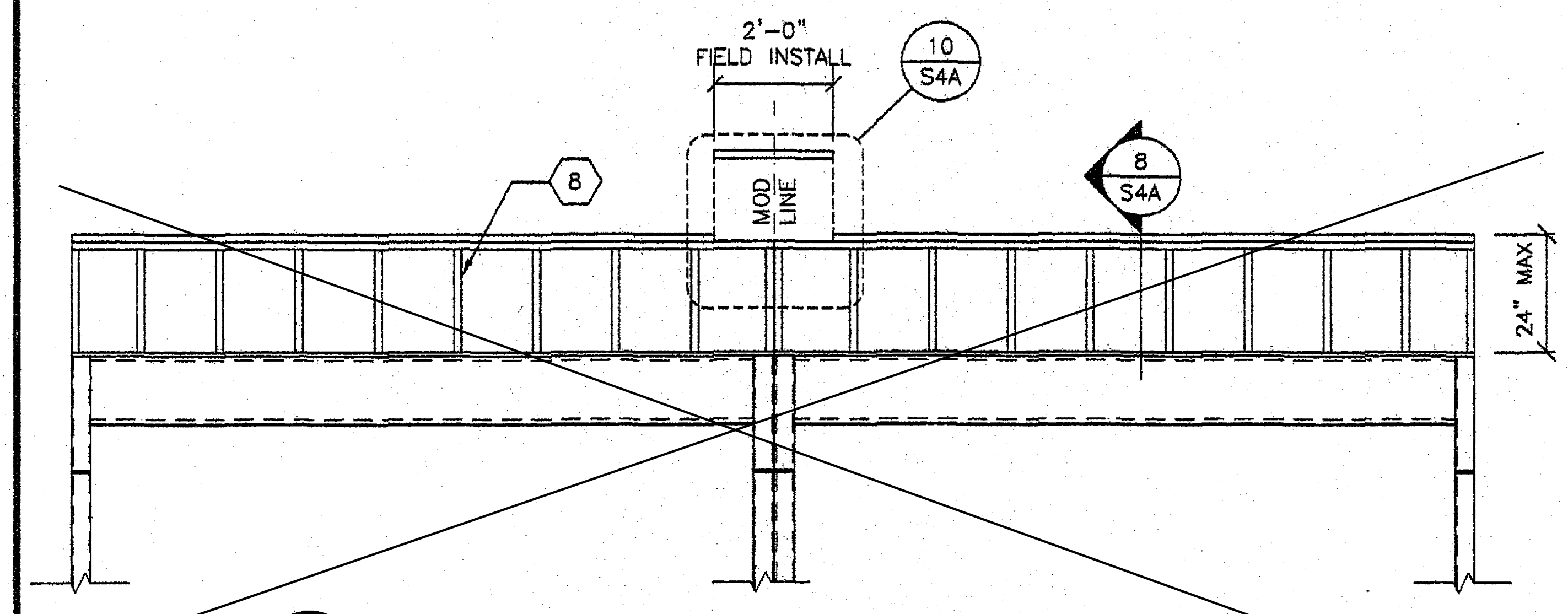
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS.



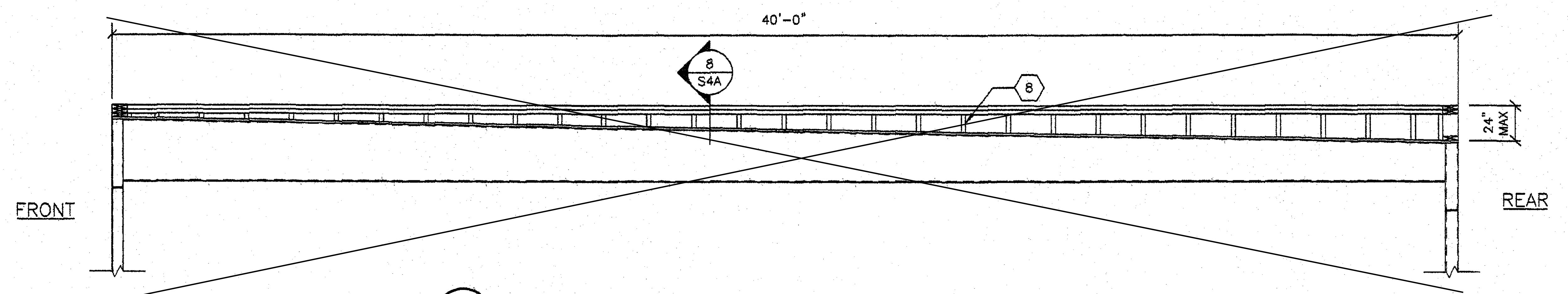
2 S4 TYPICAL TRANSVERSE FRAME
3/8"=1'-0"



1 S4 TYPICAL LONGITUDINAL FRAME
3/8"=1'-0"



4 S4 PARAPET WALL OPTION @ TRANSVERSE FRAME
3/8"=1'-0"



3 S4 PARAPET WALL OPTION @ LONGITUDINAL FRAME
3/8"=1'-0"

- KEY NOTES -

1. 4x4x5/16 HSS COLUMN
2. FLOOR BEAM PER SCHEDULE
3. 10 GA. LONGITUDINAL ROOF CHANNEL
   14"-18"-14" @ DOUBLE SLOPE TYPE
   14"-22" @ SINGLE SLOPE TYPE
4. 12 GA. TRANSVERSE ROOF CHANNEL
   14" MIN 22" MAX
5. 6" ø MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCEMENT
   MINIMUM SPACING OF HOLES @ 48" O.C.
   HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION
   NOTE: IF HOLE IS 3" OR LESS THEY MAY BE SPACED AT 24"O.C. MINIMUM
6. 4" ø MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT
   MINIMUM SPACING OF HOLES @ 48" O.C.
   HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELLOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS.

   NOTE: IF HOLE IS 2" OR LESS THEY MAY BE SPACED AT 24" MINIMUM
7. 14 GA OUTRIGGER CHANNEL AT OPTIONAL ENCLOSED OVERHANG
   REFER TO DETAIL 1/S4A
8. 2x6 H.F. #2 OR BETTER STUDS @ 16" O.C.
9. 12"x 30" MAX OPENING ALLOWED ONLY AT EXTERIOR BEAMS WITH A WALL DIRECTLY BELOW. IF WALL BELOW IT IS REMOVED THEN A COLUMN MUST BE ADDED AT MID SPAN. REFER TO DETAIL 4/S4A FOR OPENING REINFORCEMENT

- FLOOR BEAM SCHEDULE -

SUBFLOOR TYPE	FLOOR BEAM SIZE	ALTERNATES
VIROC OR PLYWOOD	C7x9.8	C9x13.4, C10x15.3
CONCRETE	C9x13.4	C10x15.3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS ✓
DATE MAY 09 2019

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 01/24/08
SCALE: NOTED
DRAWN BY: D.M
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
TYPICAL FRAME ELEVATIONS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Luttrell
No. 1418
EXP. 3-31-09
Structural Engineer

~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~02 111652~~
~~AC FLS SS~~
~~DATE NOV 18 2010~~

JOHN H. LAWDER
No. 2310
Exp. 3-31-11
STRUCTURAL

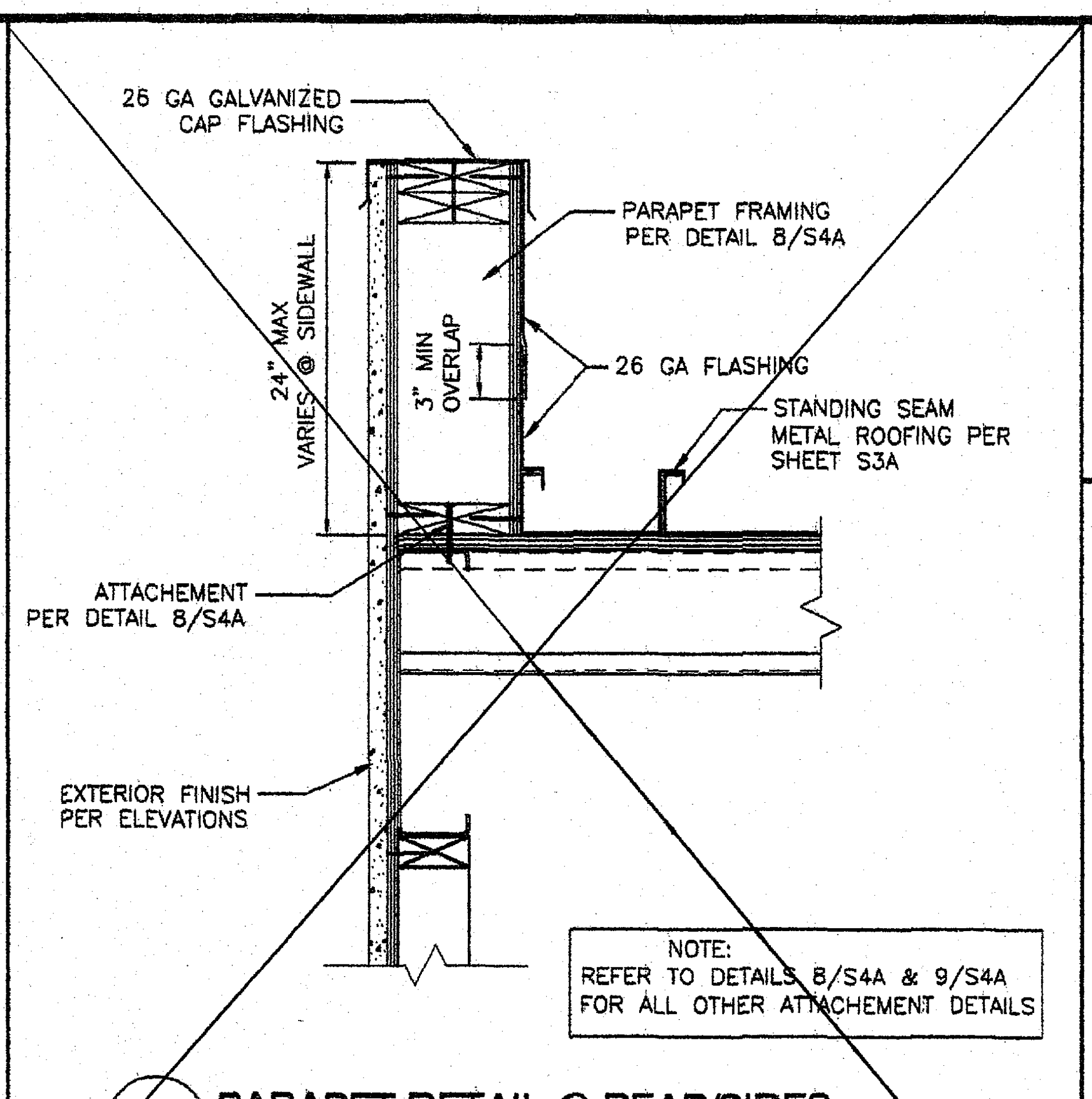
~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~PC 02-109635~~
~~AC FLS SS~~
~~DATE 1/27/09~~

PROJECT No.

S4

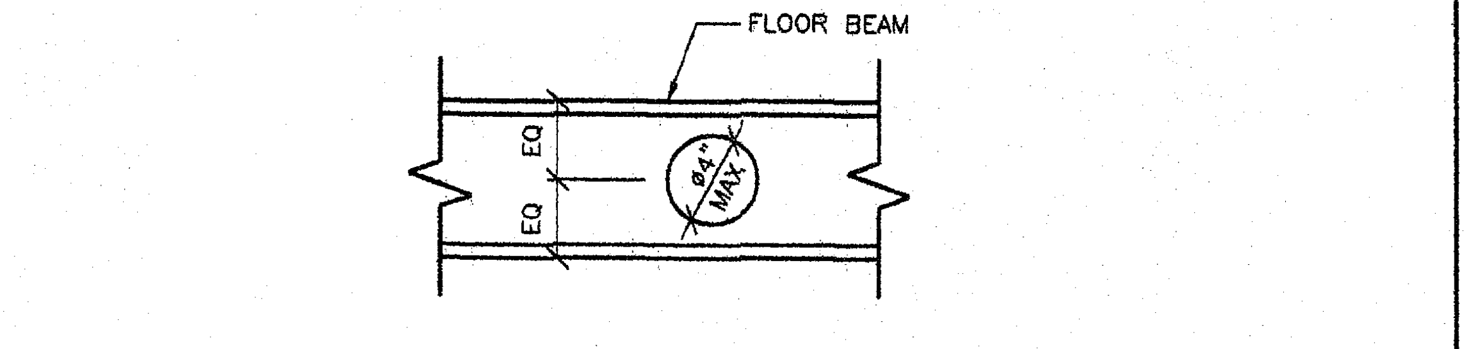
ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

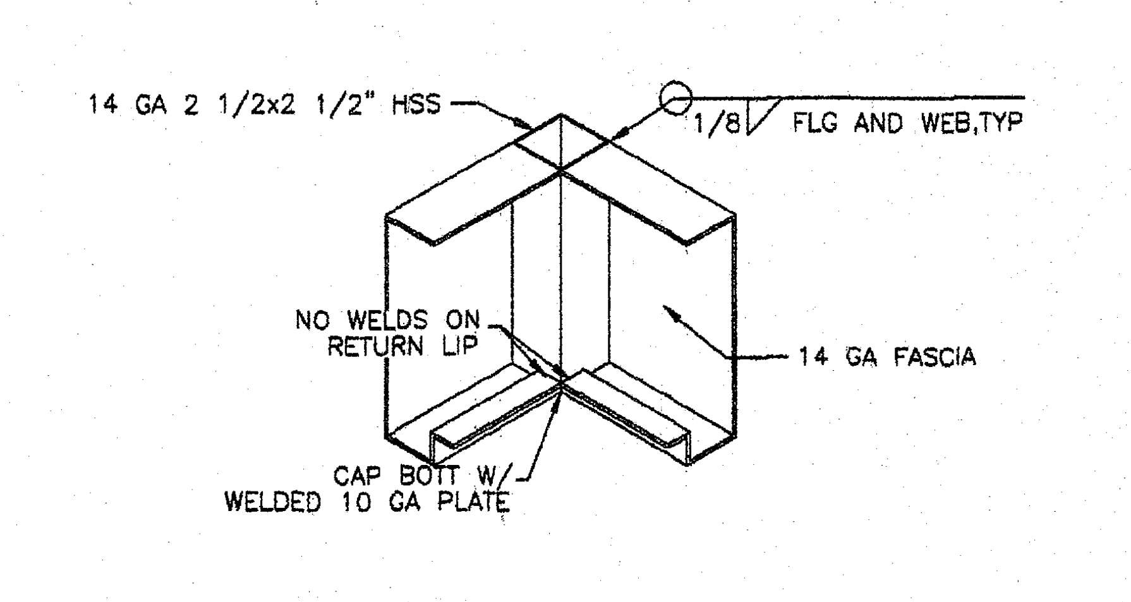


26 GA GALVANIZED CAP FLASHING
PARAPET FRAMING PER DETAIL 8/S4A
24" MAX VARIES @ SIDEWALL
3" MIN OVERLAP
26 GA FLASHING
STANDING SEAM METAL ROOFING PER SHEET S3A
ATTACHEMENT PER DETAIL 8/S4A
EXTERIOR FINISH PER ELEVATIONS
NOTE: REFER TO DETAILS 8/S4A & 9/S4A FOR ALL OTHER ATTACHEMENT DETAILS

9 S4A **PARAPET DETAIL @ REAR/SIDES**
1 1/2"=1'-0" (WITH METAL ROOFING OPTION)

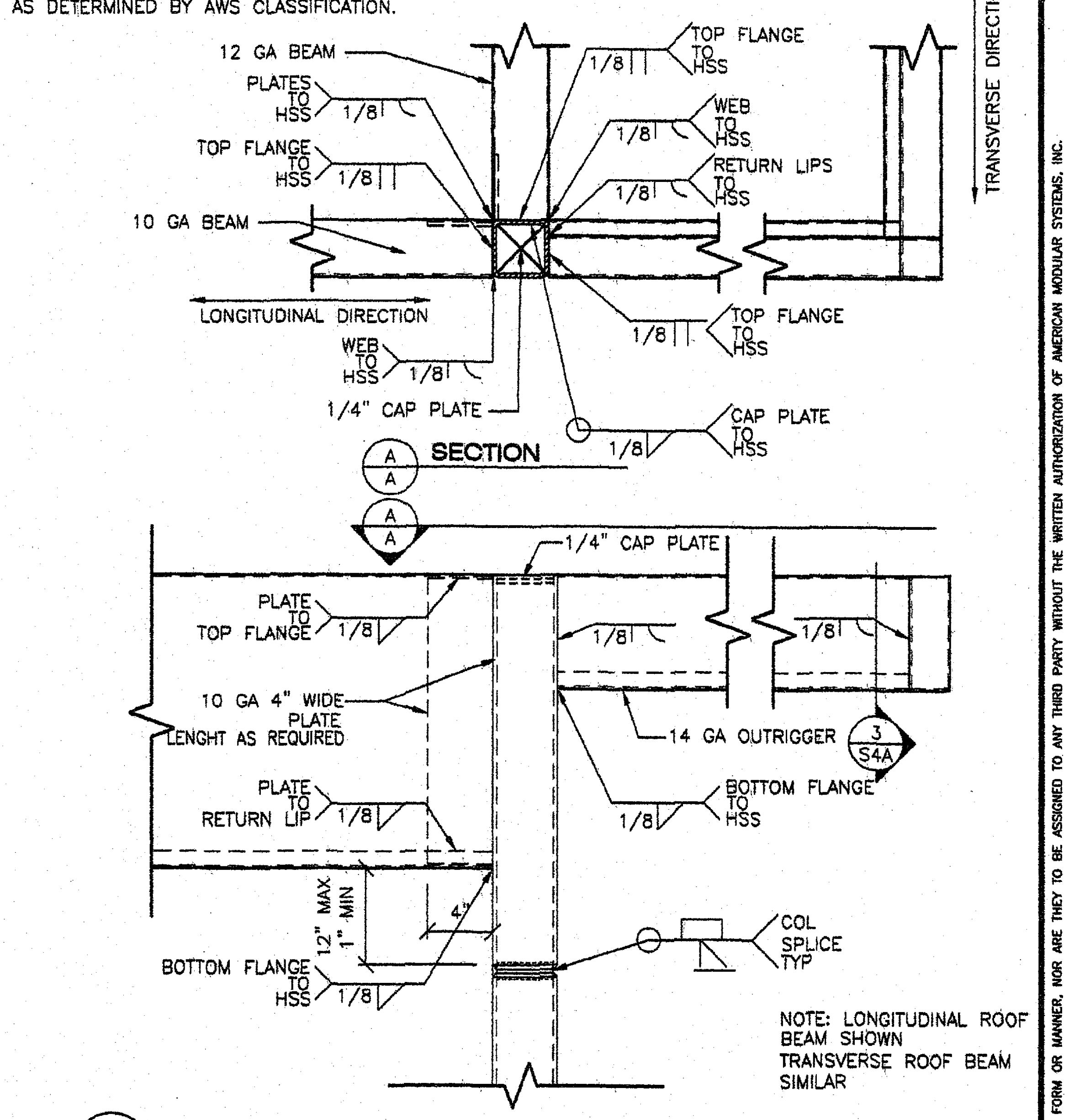


6 S4A **OPENING @ FLOOR BEAM**
1 1/2"=1'-0"

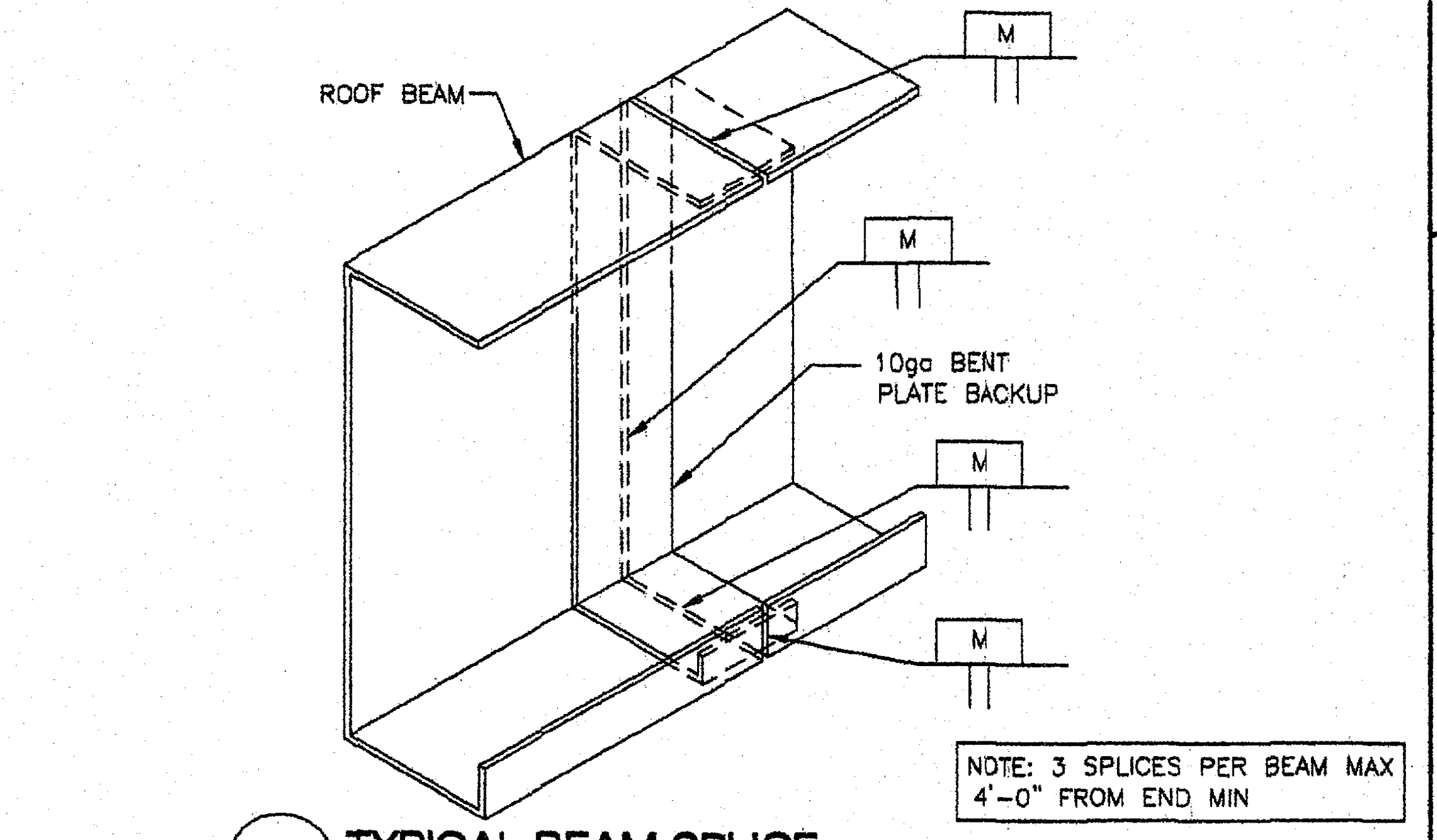


3 S4A **OVERHANG CORNER DETAIL**
NTS

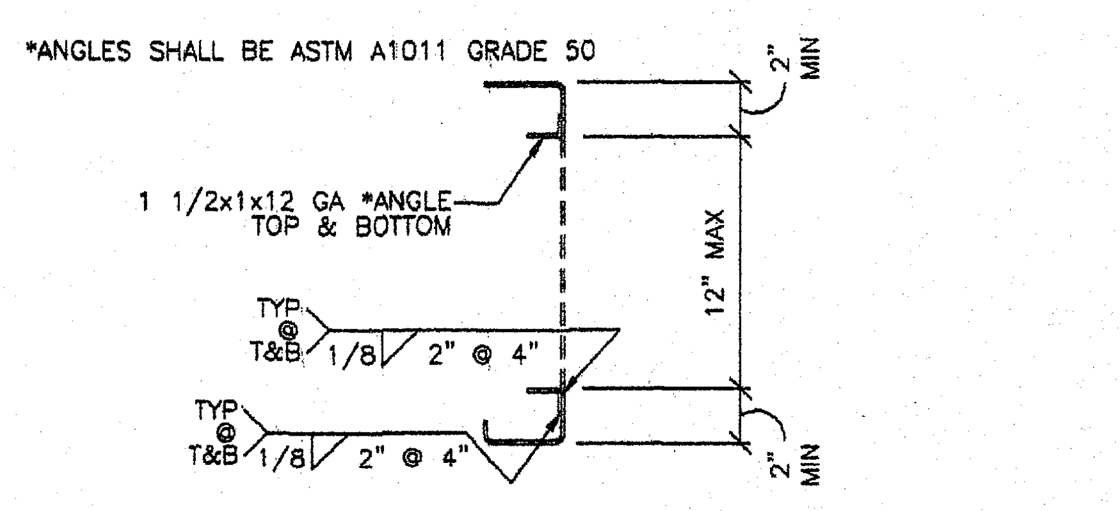
THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PRODECURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D.1-06 AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITTAL TO THE D.S.A.
TYPICAL DETAILS 1/S4A, 2/S4A AND 7/S4A.
ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.



1 S4A **TYPICAL ROOF CHANNEL TO HSS DETAIL**
1 1/2"=1'-0"

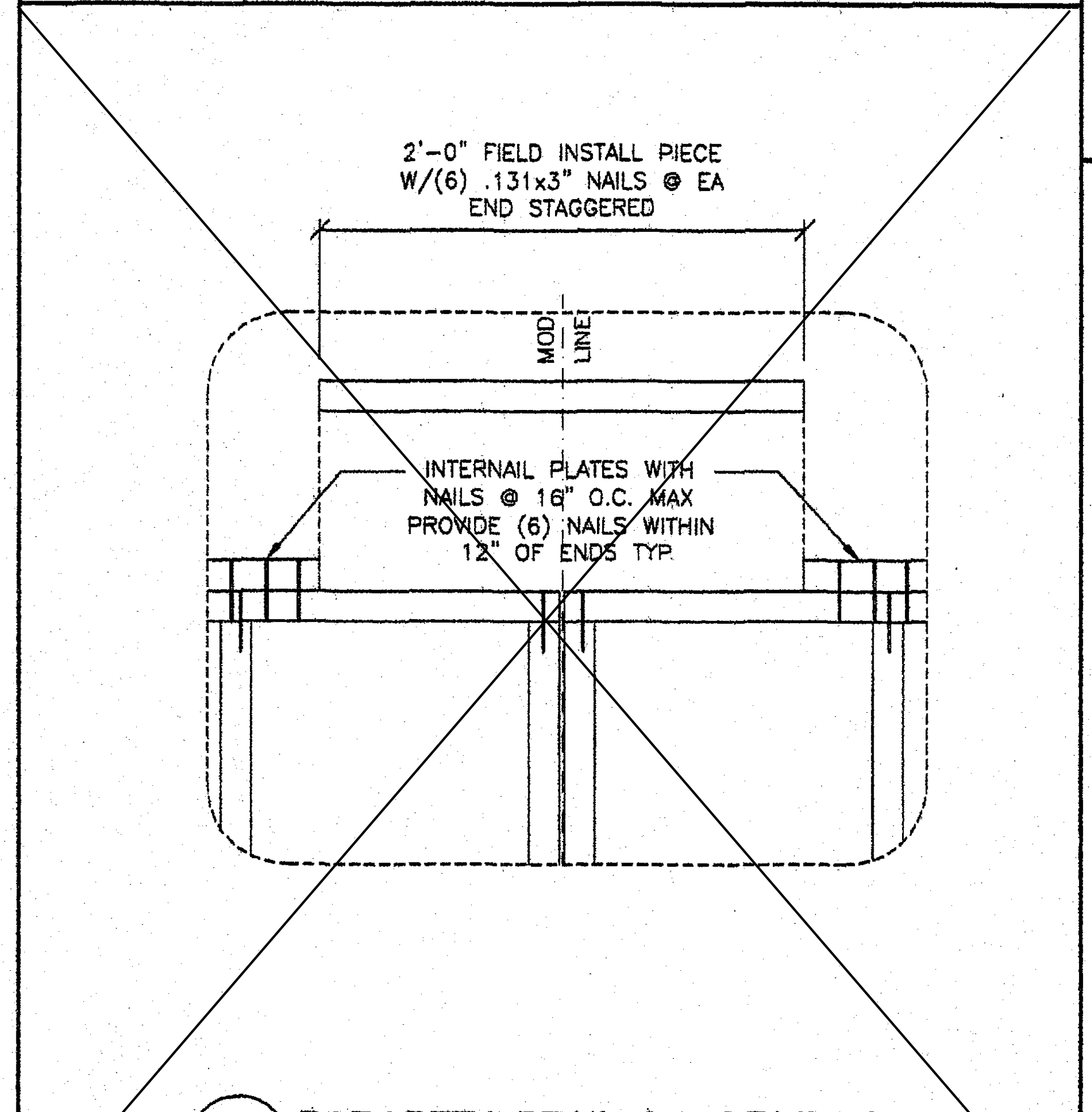


7 S4A **TYPICAL BEAM SPLICE**
N.T.S.



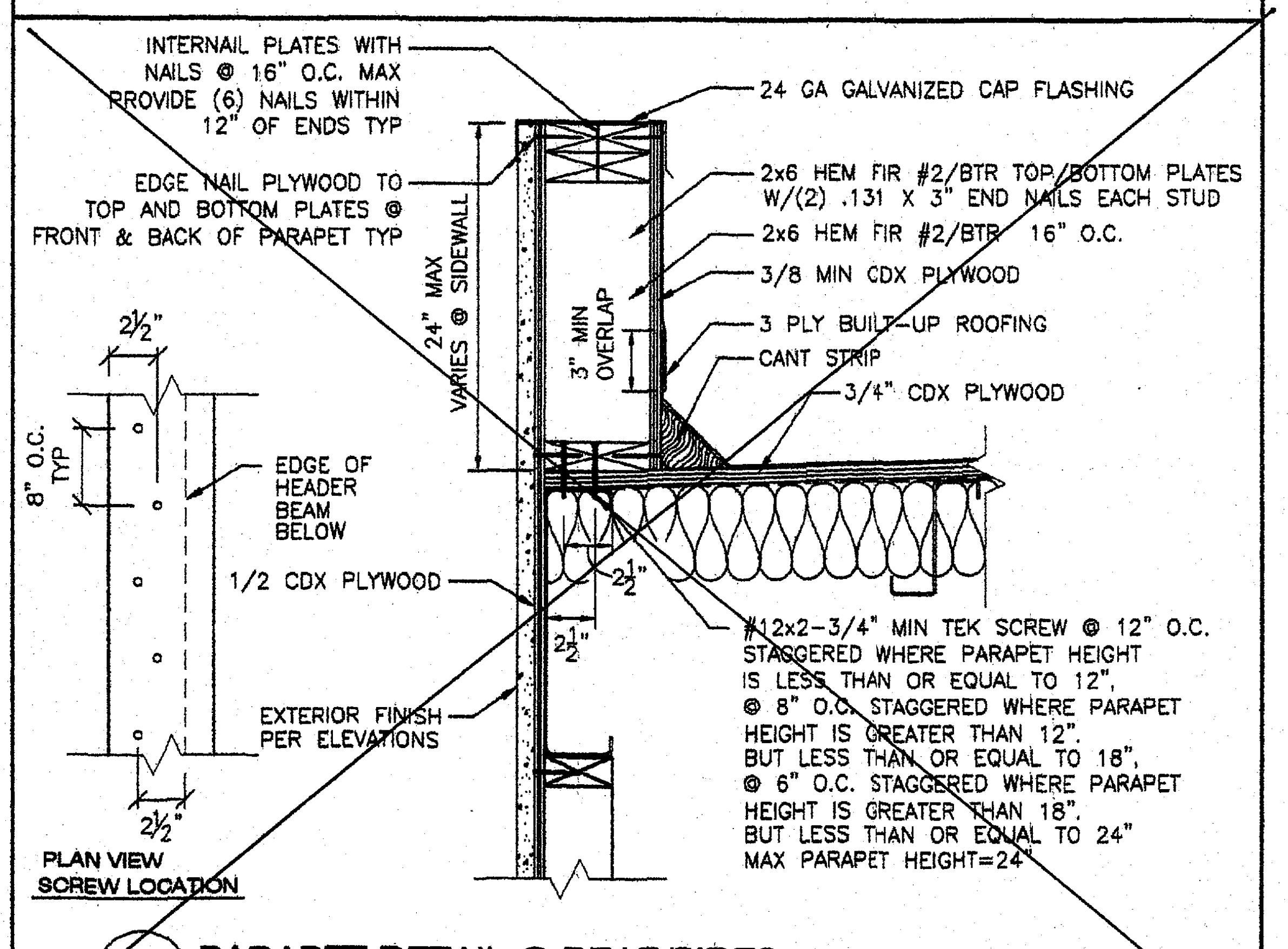
*ANGLES SHALL BE ASTM A1011 GRADE 50
2" MIN
1 1/2x1x12 GA *ANGLE TOP & BOTTOM
12" MAX
TYP @ T&B 1/8 2" @ 4"
TYP @ T&B 1/8 2" @ 4"
2" MIN

Y Y **DETAIL @ LONGITUDINAL BEAMS**



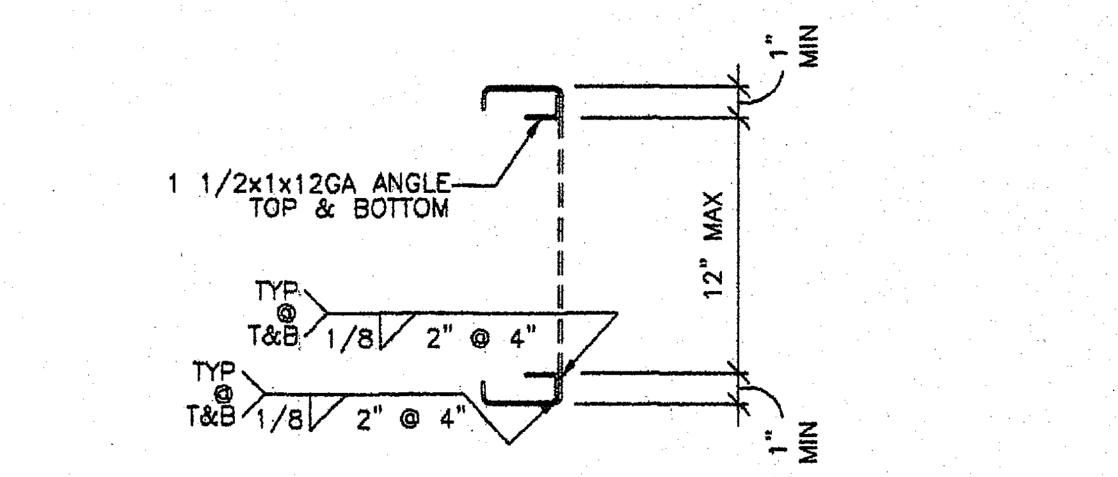
2'-0" FIELD INSTALL PIECE W/(6) .131x3" NAILS @ EA END STAGGERED
MOD LINE
INTERNAIL PLATES WITH NAILS @ 16" O.C. MAX PROVIDE (6) NAILS WITHIN 12" OF ENDS TYP

10 S4A **PARAPET DETAIL @ MODLINES**
1 1/2"=1'-0"

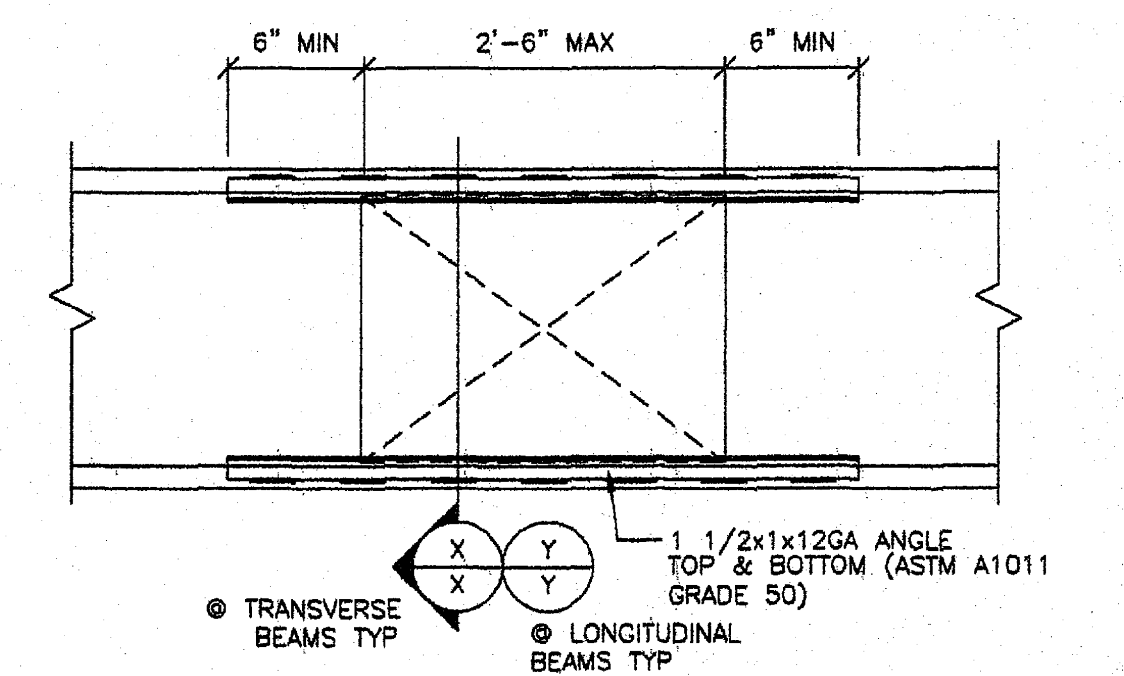


INTERNAIL PLATES WITH NAILS @ 16" O.C. MAX PROVIDE (6) NAILS WITHIN 12" OF ENDS TYP
EDGE NAIL PLYWOOD TO TOP AND BOTTOM PLATES @ FRONT & BACK OF PARAPET TYP
24 GA GALVANIZED CAP FLASHING
2x6 HEM FIR #2/BTR TOP/BOTTOM PLATES W/(2) .131 X 3" END NAILS EACH STUD
2x6 HEM FIR #2/BTR 16" O.C.
3/8 MIN CDX PLYWOOD
3 PLY BUILT-UP ROOFING
CANT STRIP
3/4" CDX PLYWOOD
24" MAX VARIES @ SIDEWALL
3" MIN OVERLAP
2½"
8" O.C. TYP
EDGE OF HEADER BEAM BELOW
1/2 CDX PLYWOOD
2½"
2½"
2½"
#12x2-3/4" MIN TEK SCREW @ 12" O.C. STAGGERED WHERE PARAPET HEIGHT IS LESS THAN OR EQUAL TO 12", @ 8" O.C. STAGGERED WHERE PARAPET HEIGHT IS GREATER THAN 12", BUT LESS THAN OR EQUAL TO 18", @ 6" O.C. STAGGERED WHERE PARAPET HEIGHT IS GREATER THAN 18", BUT LESS THAN OR EQUAL TO 24" MAX PARAPET HEIGHT=24"
EXTERIOR FINISH PER ELEVATIONS
PLAN VIEW SCREW LOCATION

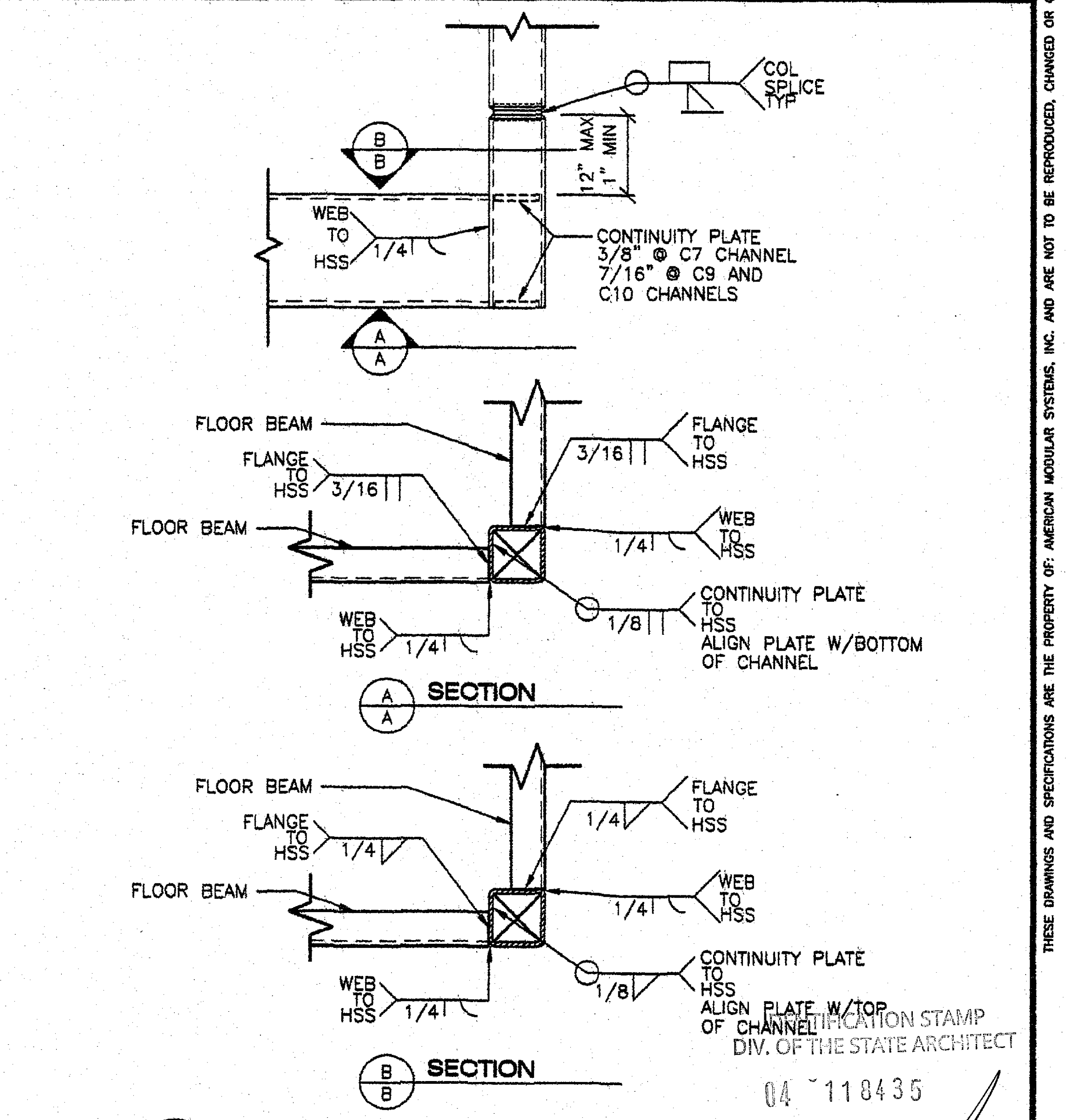
8 S4A **PARAPET DETAIL @ REAR/SIDES**
1 1/2"=1'-0"

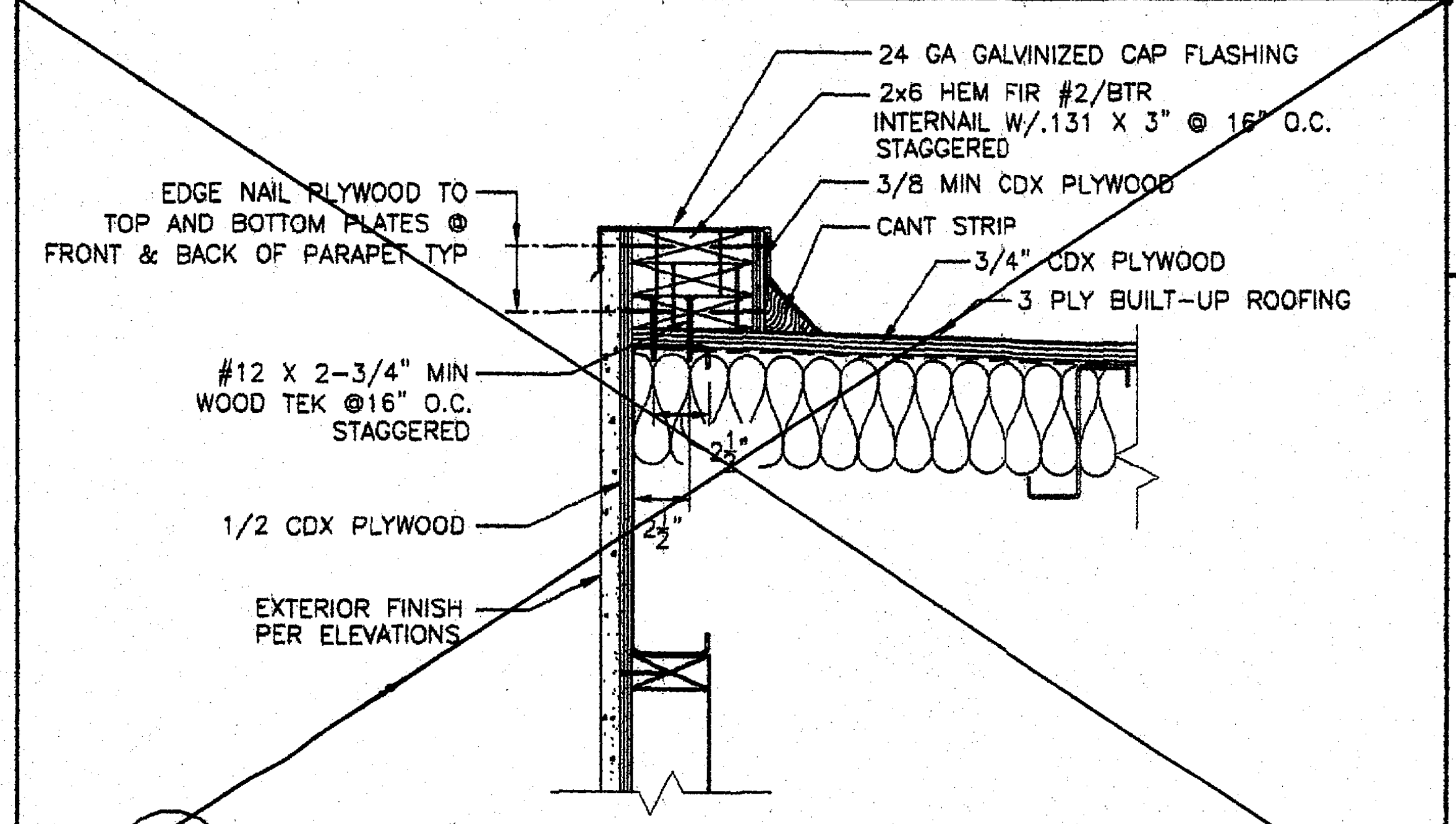


X X **DETAIL @ TRANSVERSE BEAMS**



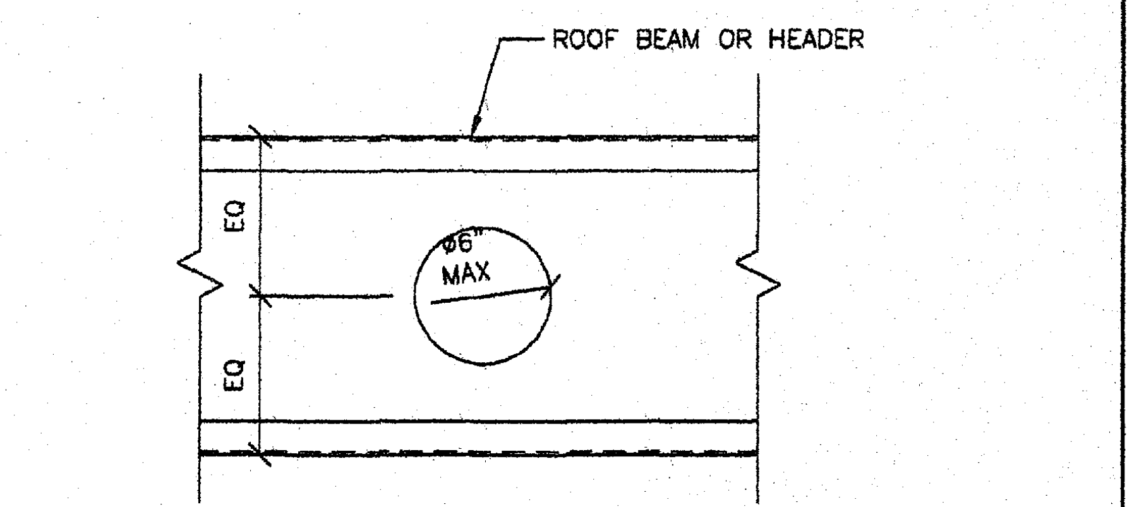
4 S4A **OPENING @ ROOF BEAMS**
1 1/2"=1'-0"





24 GA GALVINIZED CAP FLASHING
2x6 HEM FIR #2/BTR INTERNAIL W/.131 X 3" @ 16" O.C. STAGGERED
3/8 MIN CDX PLYWOOD
CANT STRIP
3/4" CDX PLYWOOD
3 PLY BUILT-UP ROOFING
EDGE NAIL PLYWOOD TO TOP AND BOTTOM PLATES @ FRONT & BACK OF PARAPET TYP
#12 X 2-3/4" MIN WOOD TEK @16" O.C. STAGGERED
2½"
2½"
1/2 CDX PLYWOOD
EXTERIOR FINISH PER ELEVATIONS

9 S4A **PARAPET DETAIL @ FRONT**
1 1/2"=1'-0"



5 S4A **OPENING @ ROOF BEAMS**
1 1/2"=1'-0"

2 S4A **TYPICAL CORNER TO BEAM DETAIL**
1 1/2"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS ✓ SS ✓
DATE MAY 09

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE:
SCALE: NOTED
DRAWN BY: MCR
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
FRAME CONNECTION DETAILS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Luttrell
No. 1416
EXP. 3-31-09
Structural Engineer

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC FLS SS
DATE NOV 18 2010

JOHN H. LAWDER
No. 2310

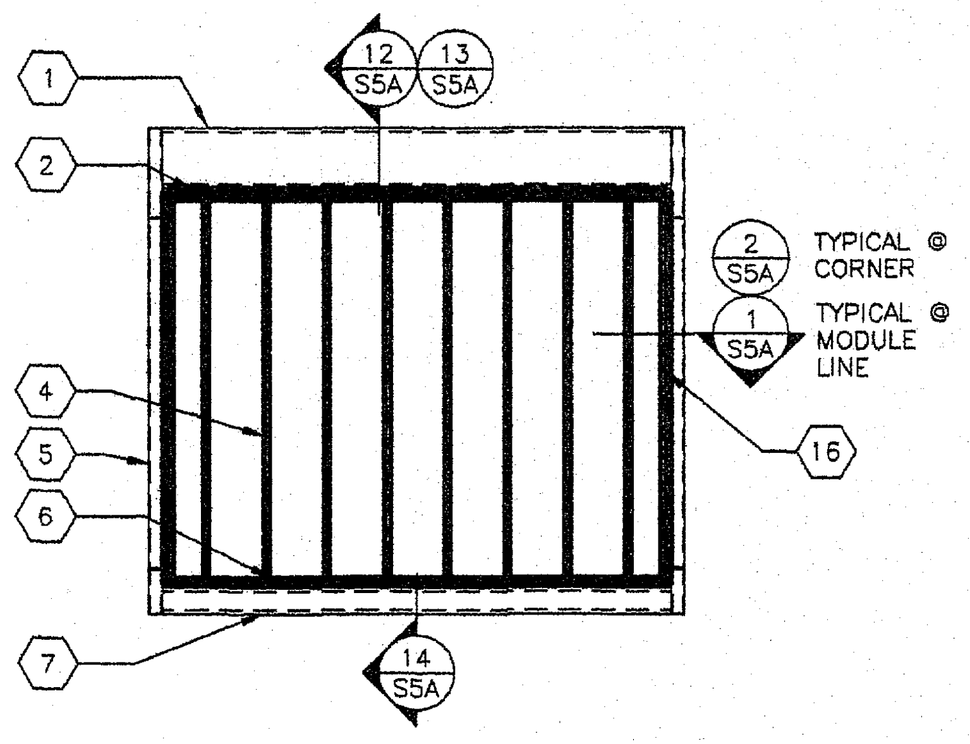
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC FLS SS
DATE 1/27/09

PROJECT No.

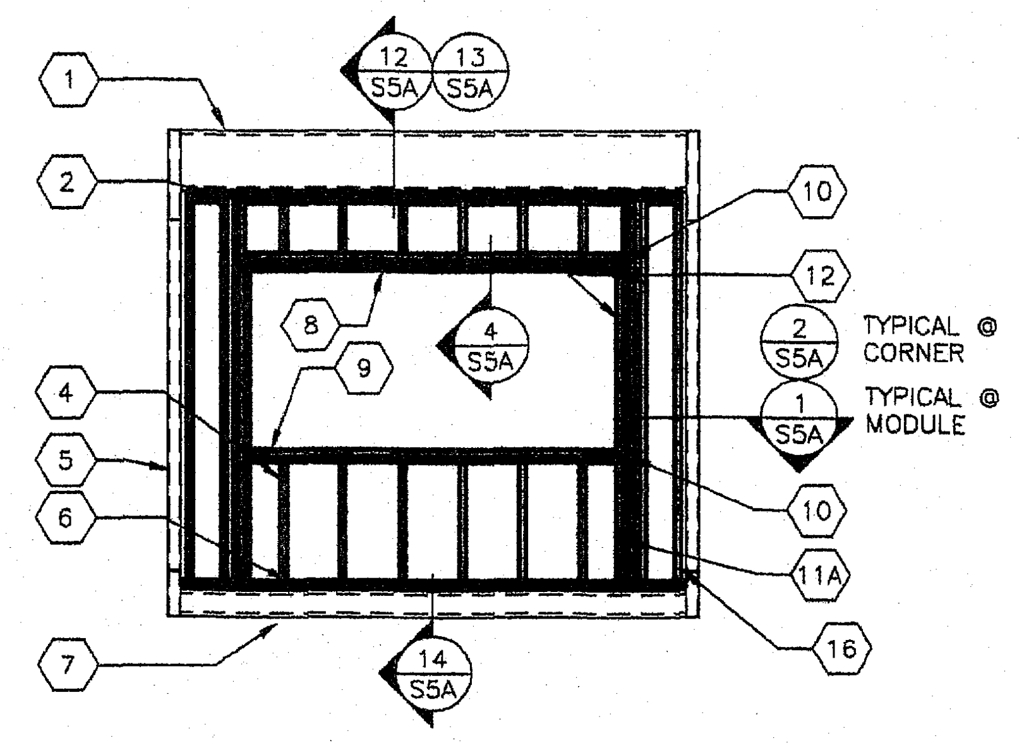
S4A

ADDENDUM

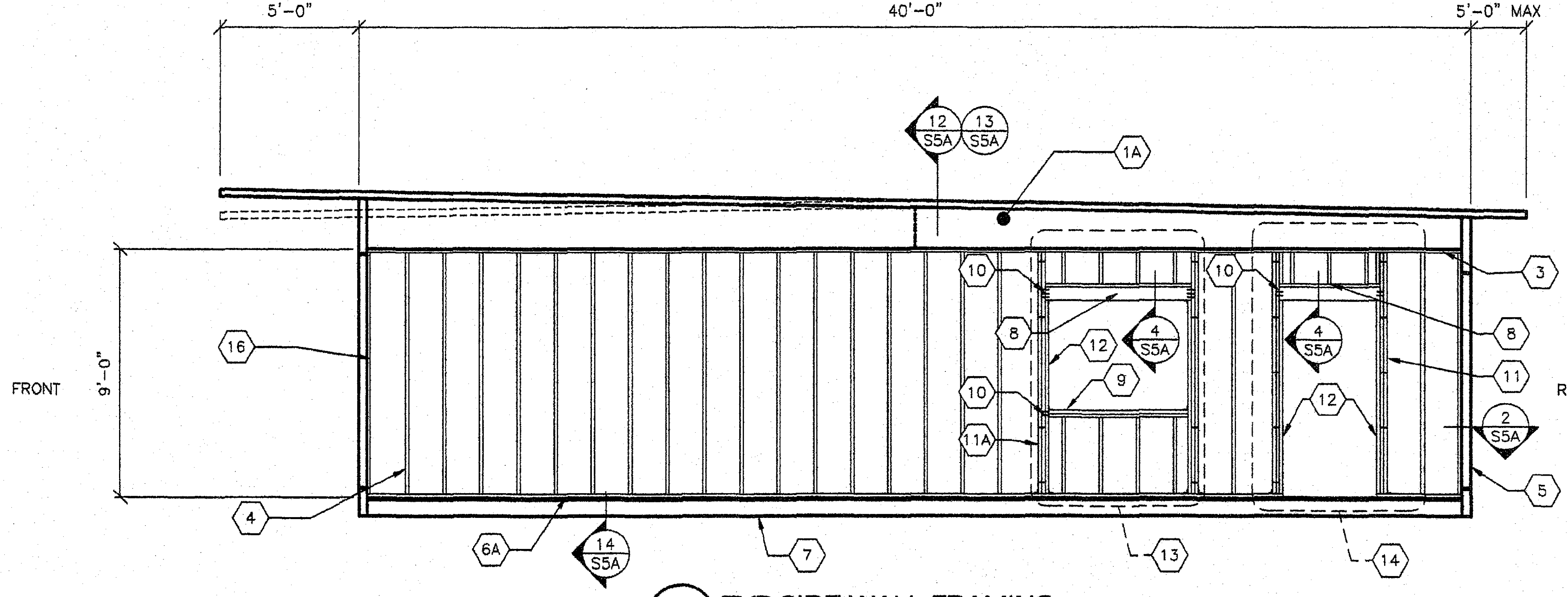
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.



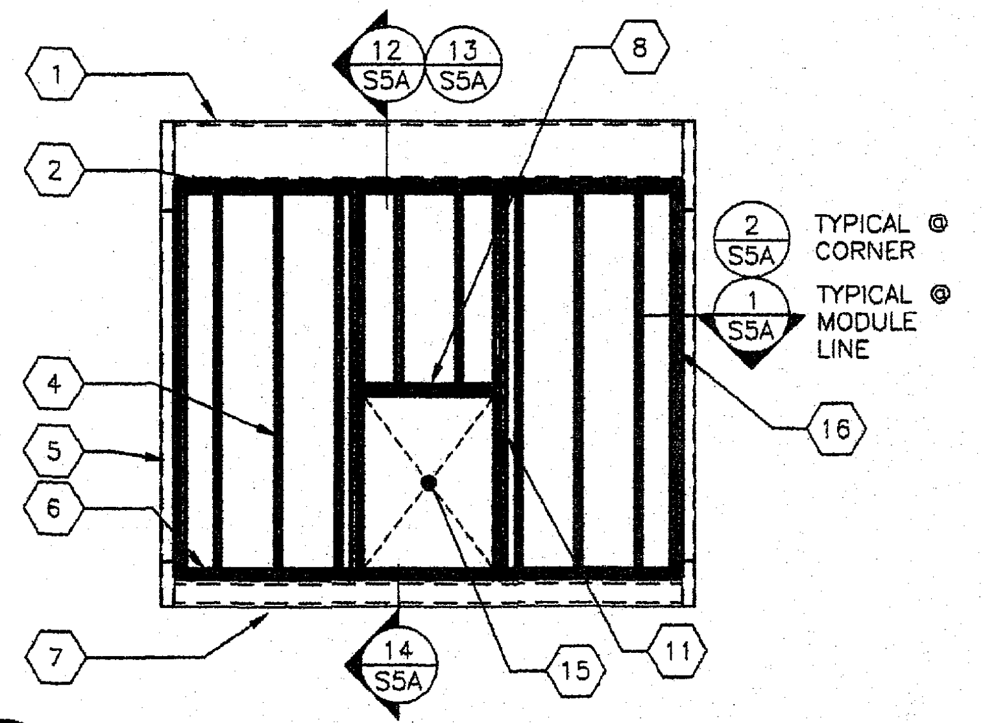
1 S5 **TYP END WALL FRAMING W/NO OPENINGS**
1/4"=1-0"



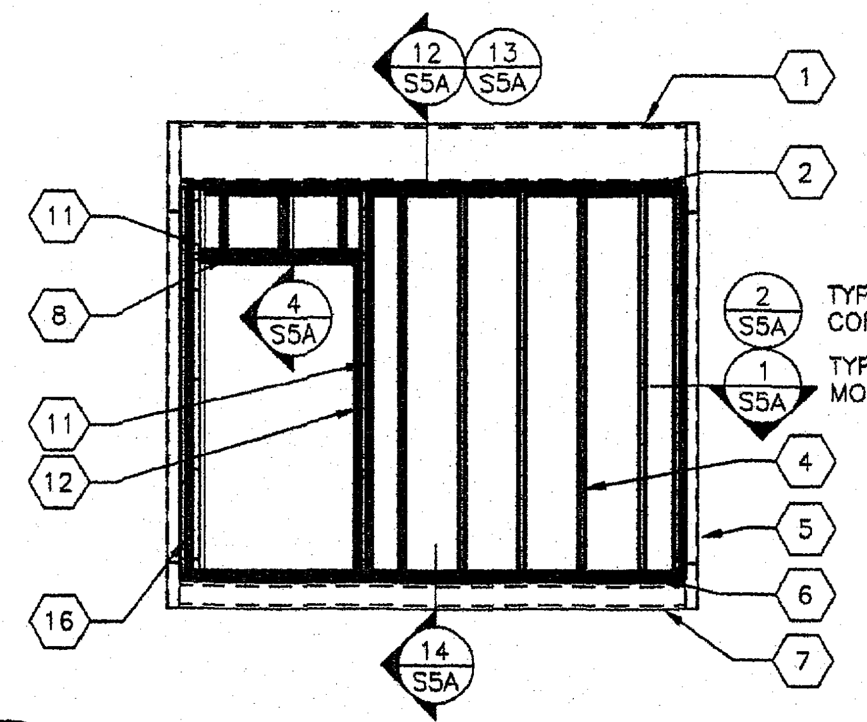
2 S5 **TYP END WALL FRAMING W/WINDOW**
1/4"=1-0"



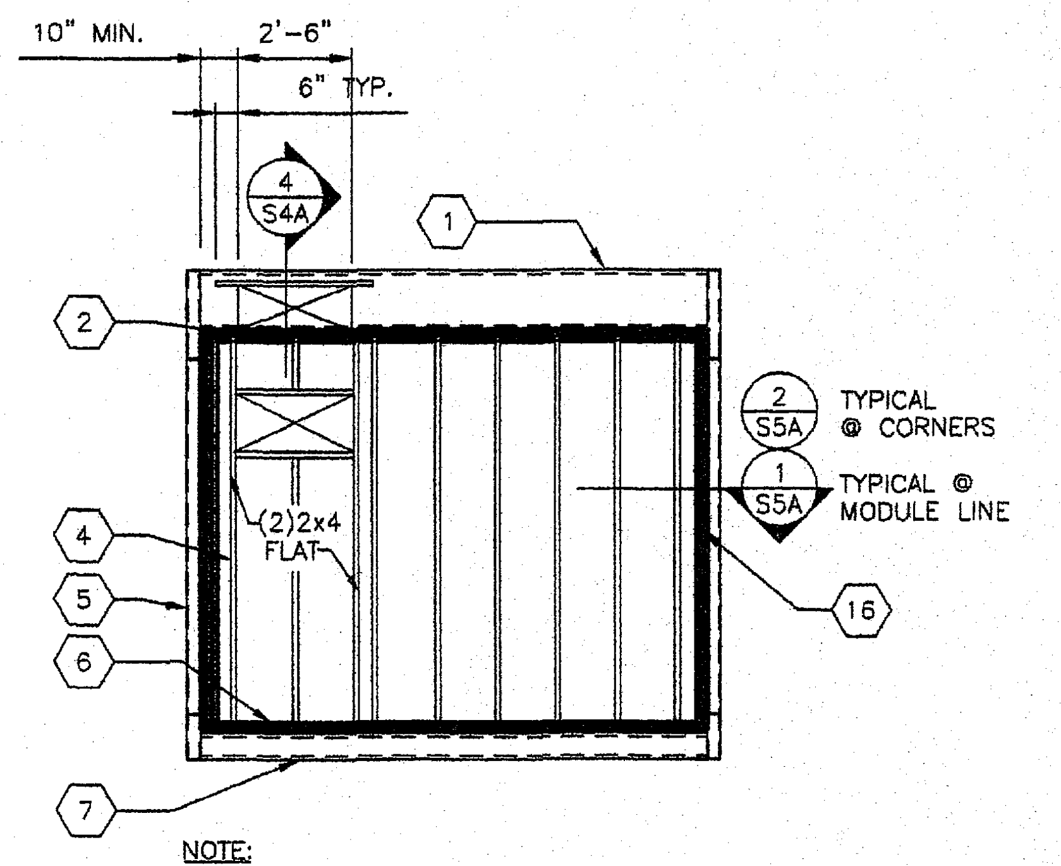
5 S5 **TYP SIDE WALL FRAMING**
1/4"=1-0" (MONO/DUAL PITCH)



2 S5 **TYP END WALL FRAMING W/INDOOR HVAC UNIT**
1/4"=1-0" OPTIONAL



4 S5 **TYP END WALL FRAMING W/DOOR**
1/4"=1-0"



NOTE:
HVAC DUCT OPENING LOCATIONS MAY VARY
ANYWHERE ALONG 12 GA. CEE MEMEBER.
(EXCEPT AS SHOWN ABOVE)
SEE SHEET 1 FOR OPENING LOCATION

3 S5 **TYP END WALL FRAMING W/WALL HUNG HVAC UNIT**
1/4"=1-0" OPTIONAL

EXTERIOR WALL FINISH/WALL STUD SCHEDULE

FINISH TYPE	FOUNDATION TYPE	WALL FINISH COMMENTS	STUD TYPE	STUD SPACING TYPICAL	STUD SPACING @ CORNERS
5/8" PLYWOOD SHEATHING 303 CONFORMING TO PS1-95. VERTICAL GROOVES @ 8" OC	WOOD OR CONCRETE	JOINT DETAIL SEE 10/S5A NAILING PER BLDG SECTIONS	HEM FIR #2	@ 16" OC	@ 16" OC
			DOUG FIR #2	@ 16" OC	@ 16" OC
5/16" HARDIBOARD WITH SYNTHETIC STUCCO 5/16" HARDI-LAP SIDING	WOOD OR CONCRETE	PER SHEETS A5, A5A, A6 & A6A	HEM FIR #2	@ 16" OC	@ 16" OC
			DOUG FIR #2	@ 16" OC	@ 16" OC
½" PLYWOOD SHEATHING CONFORMING TO PS1-95, APA RATED, 5 PLY 32/16, EXPOSURE 1 WITH 7/8" STUCCO	CONCRETE ONLY	NAILING PER BLDG SECTIONS	HEM FIR #2	@ 16" OC	@ 12" OC
			DOUG FIR #2	@ 16" OC	@ 16" OC

1. ALL NAILS IN EXTERIOR APPLICATIONS TO BE GALVANIZED.
2. WALL CORNERS ARE DEFINED AS A DISTANCE OF 8 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH 2160 SQ. FT. OR GREATER AND A DISTANCE OF 4 FEET IN BOTH DIRECTIONS FROM EACH CORNER OF BUILDINGS WITH LESS THAN 2160 SQ. FT.
3. TYPICAL PLYWOOD NAILING WHERE OCCURS .131x2 1/4" GALV @ 6" O.C E.N. & 12" O.C. F.N. (ALL EDGES BLOCKED)

- KEY NOTES -

1	ROOF HEADER
1A	ROOF BEAM
2	2x4 HEM FIR PLATE NO SPLICE
3	2x4 PLATE
4	2x4 STUDS SPACED PER SCHEDULE TYP. W/ (3) .13x3" NAILS @ EA END
5	HSS COLUMN
6	2x4 BOTTOM PLATE NO SPLICES
6A	2x4 BOTTOM PLATE
7	PERIMETER FLOOR BEAM
8	(2) 2x6 W/ 2x4 FLAT HEADER ALT. (3) FLAT 2x4 HEM FIR. PER DETAIL 4/S5A
9	(2) 2x4 HEM FIR #2 WINDOW SILL PLATE (3) 2x4 HEM FIR #2 OR (2) 2x4 DOUG FIR #2 @ 8' WIDE WINDOW SILL PLATE WITH STUCCO FINISH ONLY
10	(5).131x3" END NAILS THROUGH KING STUD TYP
11	(2) 2x4 HEM FIR #2 KING STUDS W/ (2) A34 T&B TO PLATE (INTERNAIL W/0.131 NAILS @ 14" OC TYP MAX.)
11A	(3) 2x4 HEM FIR #2 KING STUDS W/ (2) A34 T&B TO PLATE (INTERNAIL W/0.131 NAILS @ 14" OC TYP MAX.)
12	2x4 HEM FIR #2 TRIMMER
13	OPTIONAL WINDOW OPENING MAX 8'-0" WIDE (REFER TO 2/S5 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
14	OPTIONAL DOOR OPENING (REFER TO 4/S5 FOR DETAILS AND FLOORPLANS FOR LOCATIONS)
15	HVAC OPENINGS @ INDOOR UNIT
16	2x NAILER

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS
DATE MAY 09 2019

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 12-03-07
SCALE: NOTED
DRAWN BY: TH
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
WALL FRAMING ELEVATIONS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:
THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Lutrell
No. 1418
EXP. 3-31-09
Structural Engineer

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111653
AC FLS SS
DATE NOV 18 2010

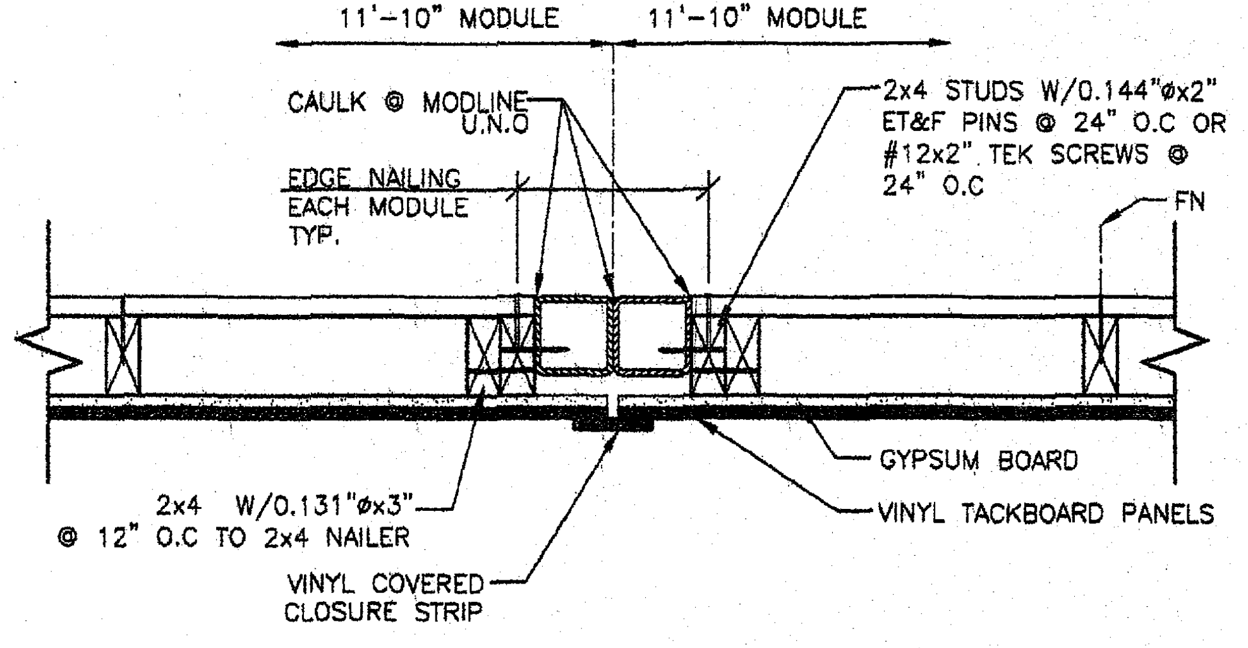
JOHN H. LAWDER
No. 2310
Exp. 3-31-11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109635
AC. FLS. SS
DATE 1/27/09

PROJECT No.

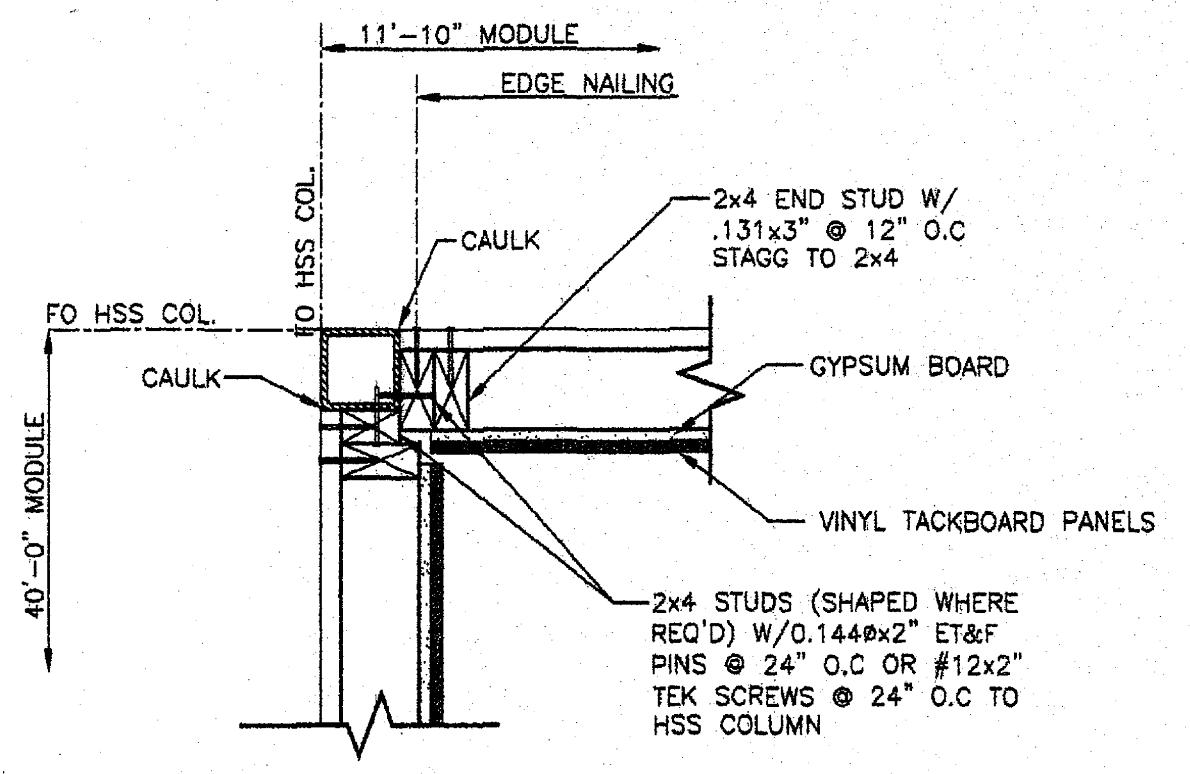
S5

ADDENDUM


11'-10" MODULE
11'-10" MODULE
CAULK @ MODLINE U.N.O
EDGE NAILING EACH MODULE TYP.
2x4 STUDS W/0.144"ø x2" ET&F PINS @ 24" O.C OR #12x2" TEK SCREWS @ 24" O.C
FN
GYPSUM BOARD
VINYL TACKBOARD PANELS
2x4 W/0.131"øx3" @ 12" O.C TO 2x4 NAILER
VINYL COVERED CLOSURE STRIP

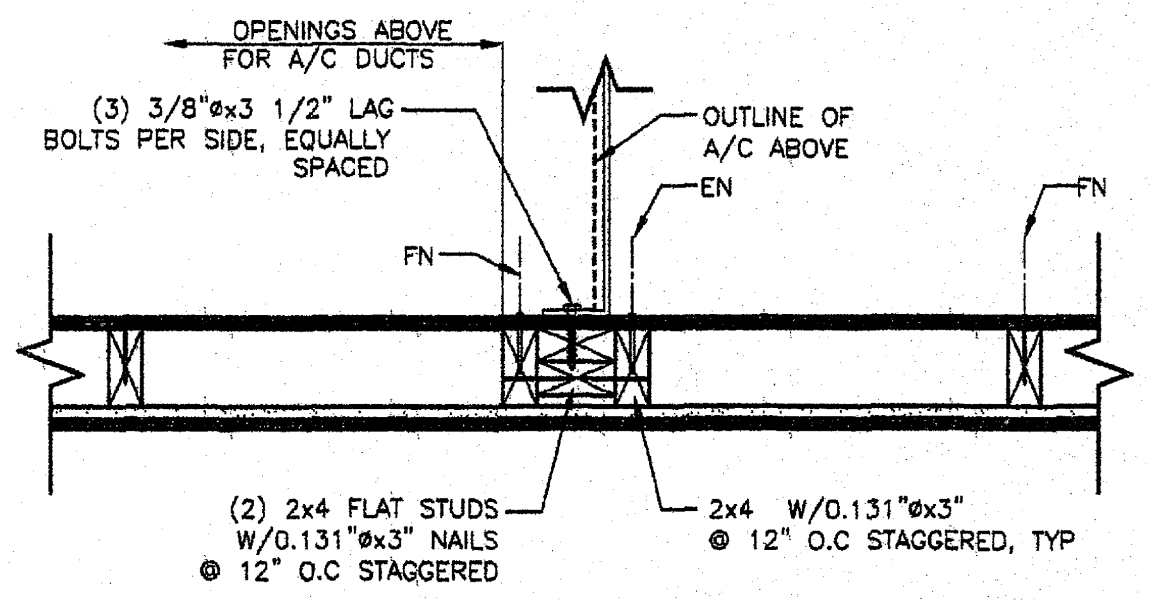
1 WALL TO COLUMN TYP DETAIL @ MODLINES
S5A 1 1/2"=1-0"

FOR COLUMN LOCATION REFER TO ARCHITECTURAL DETAILS

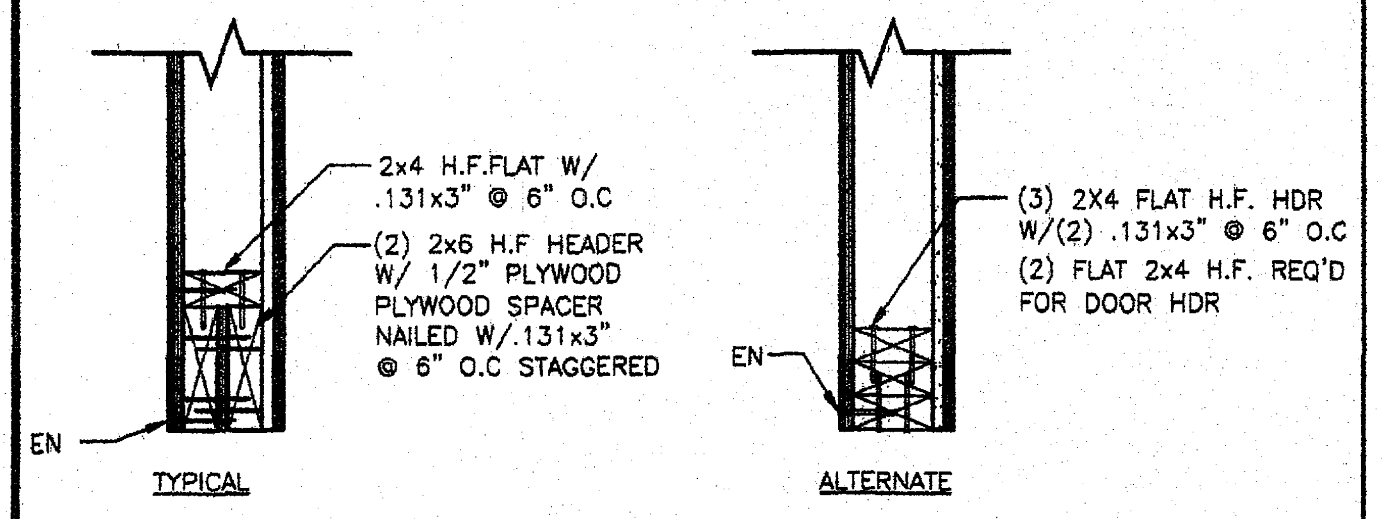

11'-10" MODULE
EDGE NAILING
FO HSS COL.
FO HSS COL.
CAULK
CAULK
40'-0" MODULE
2x4 END STUD W/ .131x3" @ 12" O.C STAGG TO 2x4
GYPSUM BOARD
VINYL TACKBOARD PANELS
2x4 STUDS (SHAPED WHERE REQ'D) W/0.144øx2" ET&F PINS @ 24" O.C OR #12x2" TEK SCREWS @ 24" O.C TO HSS COLUMN

2 WALL TO COLUMN TYP DETAIL @ CORNER
S5A 1 1/2"=1-0"

FOR COLUMN LOCATION REFER TO ARCHITECTURAL DETAILS


OPENINGS ABOVE FOR A/C DUCTS
(3) 3/8"øx3 1/2" LAG BOLTS PER SIDE, EQUALLY SPACED
OUTLINE OF A/C ABOVE
EN
FN
FN
(2) 2x4 FLAT STUDS W/0.131"øx3" NAILS @ 12" O.C STAGGERED
2x4 W/0.131"øx3" @ 12" O.C STAGGERED, TYP

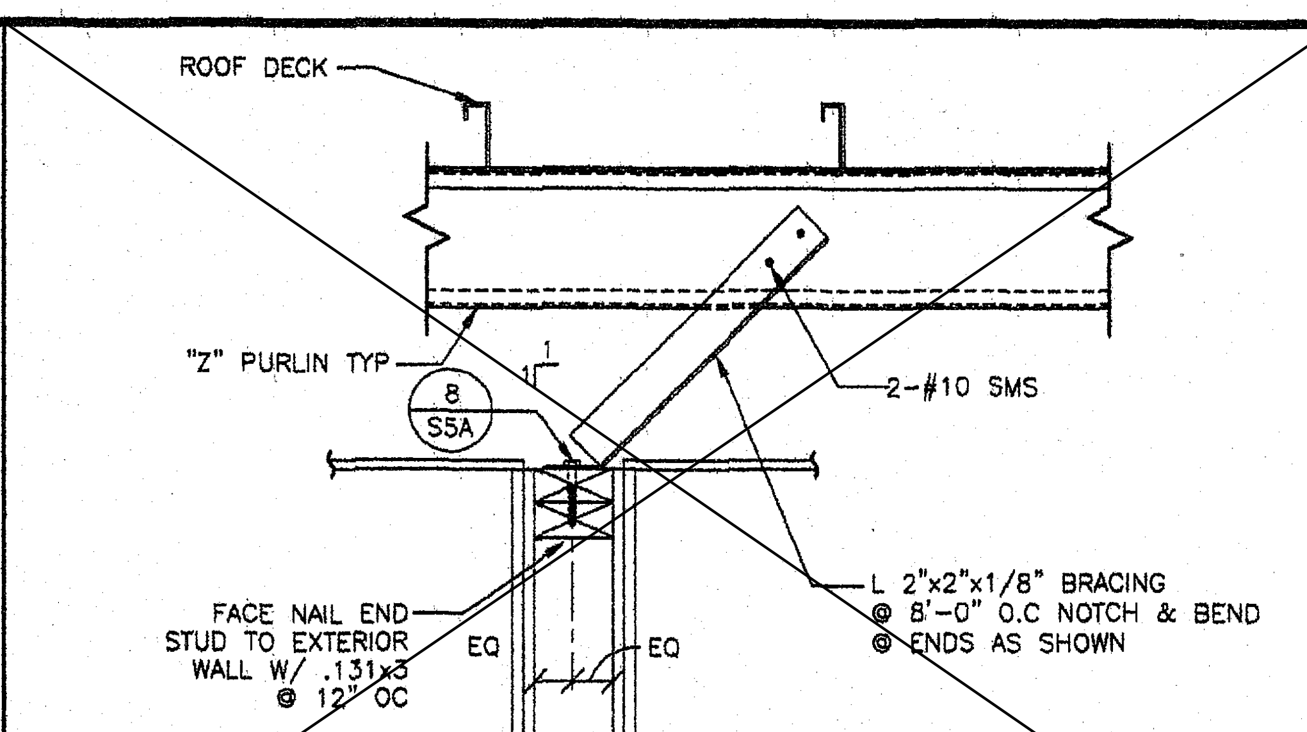
3 WALL HUNG HVAC DETAIL ATTACHMENT
S5A 1 1/2"=1-0"


2x4 H.F.FLAT W/ .131x3" @ 6" O.C
(2) 2x6 H.F HEADER W/ 1/2" PLYWOOD PLYWOOD SPACER NAILED W/.131x3" @ 6" O.C STAGGERED
EN
(3) 2X4 FLAT H.F. HDR W/(2) .131x3" @ 6" O.C
(2) FLAT 2x4 H.F. REQ'D FOR DOOR HDR
EN

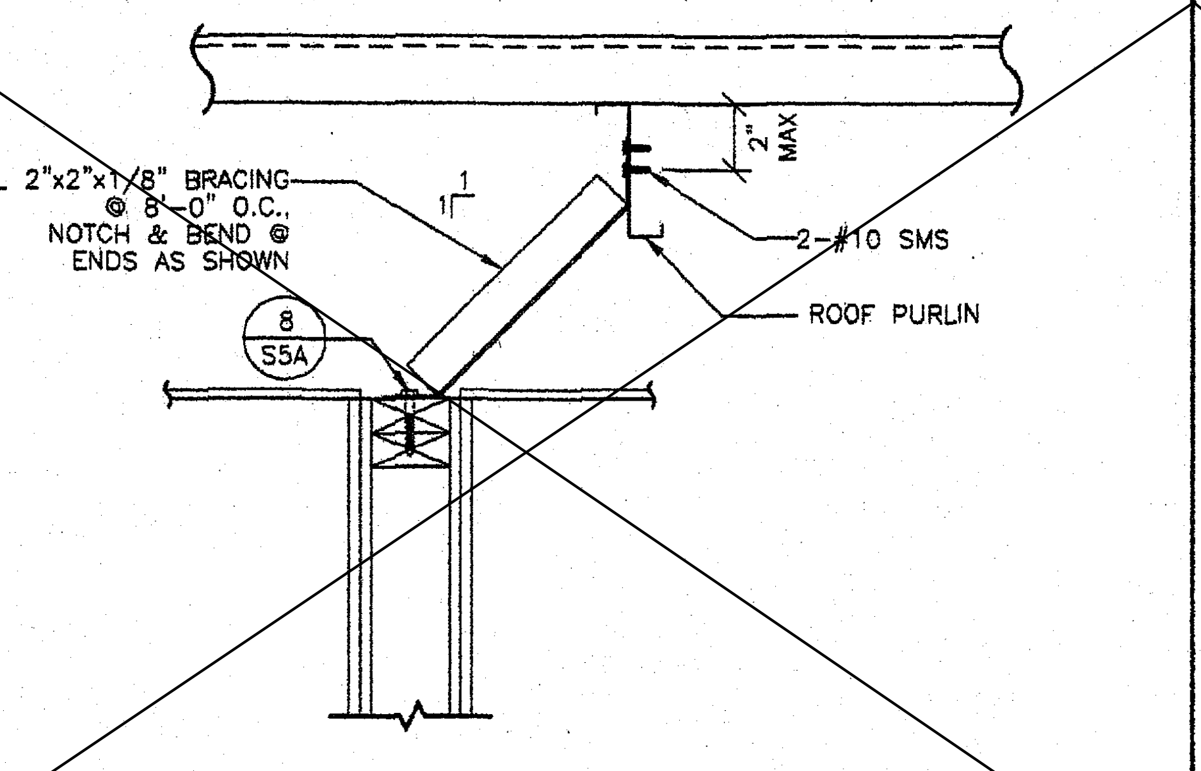
TYPICAL

ALTERNATE

4 WALL HEADER DETAILS AND ALTERNATE
S5A 1 1/2"=1-0"

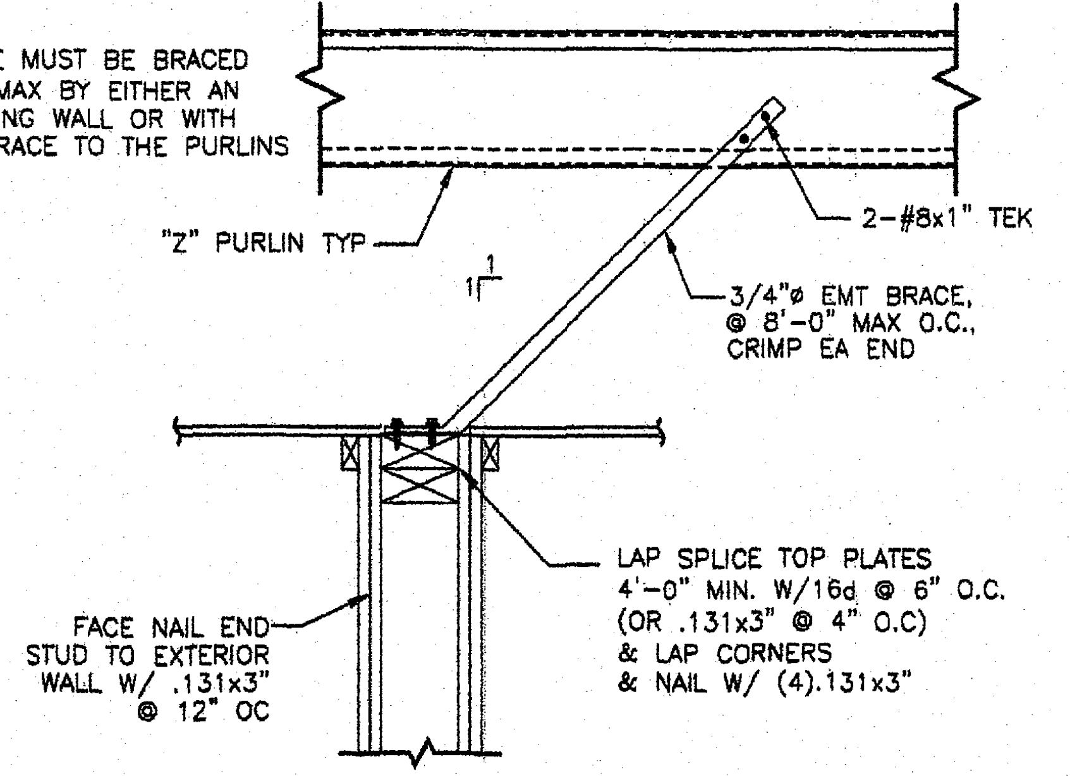

ROOF DECK
"Z" PURLIN TYP
8
S5A
2-#10 SMS
FACE NAIL END STUD TO EXTERIOR WALL W/ .131x3 @ 12" OC
EQ
EQ
L 2"x2"x1/8" BRACING @ 8'-0" O.C NOTCH & BEND @ ENDS AS SHOWN

5 TYP. INTERIOR WALL BRACING
S5A 1 1/2"=1-0" (BRACE PARALLEL TO PURLINS)

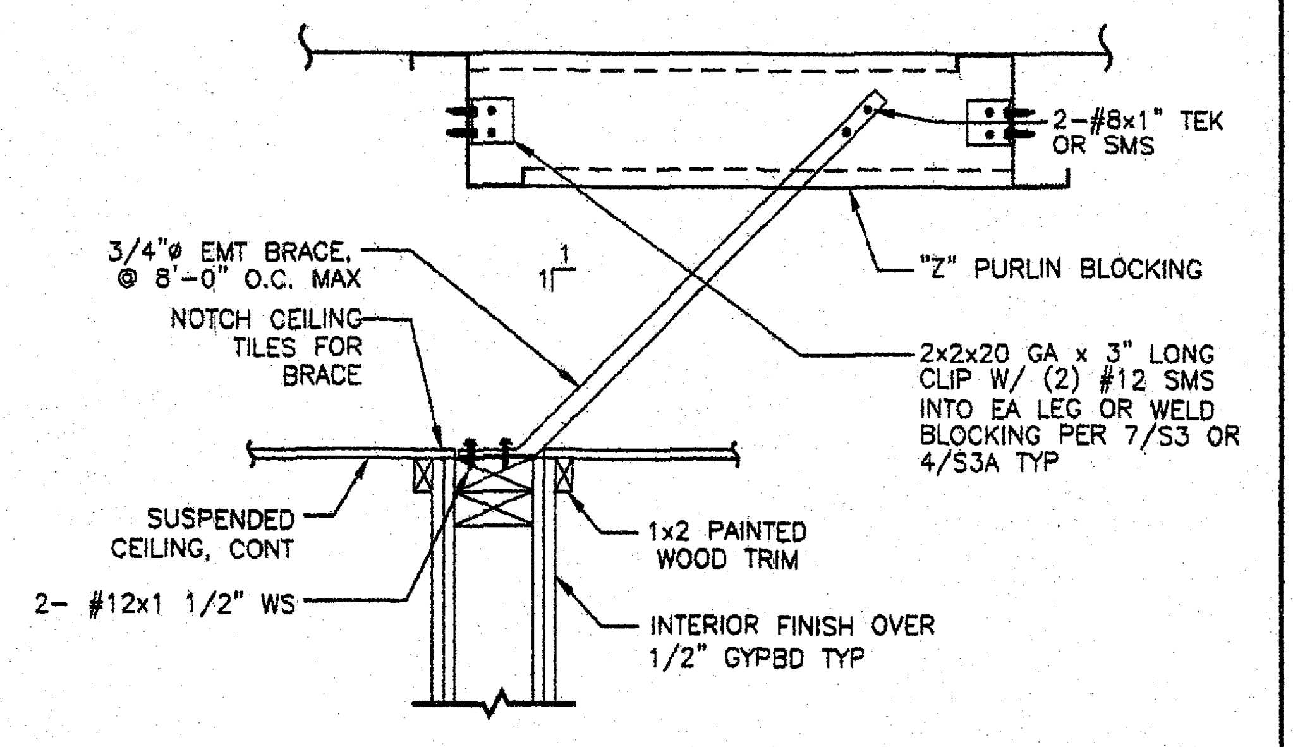

2" MAX
L 2"x2"x1/8" BRACING @ 8'-0" O.C., NOTCH & BEND @ ENDS AS SHOWN
2-#10 SMS
ROOF PURLIN
8
S5A

6 TYP. INTERIOR WALL BRACING
S5A 1 1/2"=1-0" (BRACE PERPENDICULAR TO PURLINS)

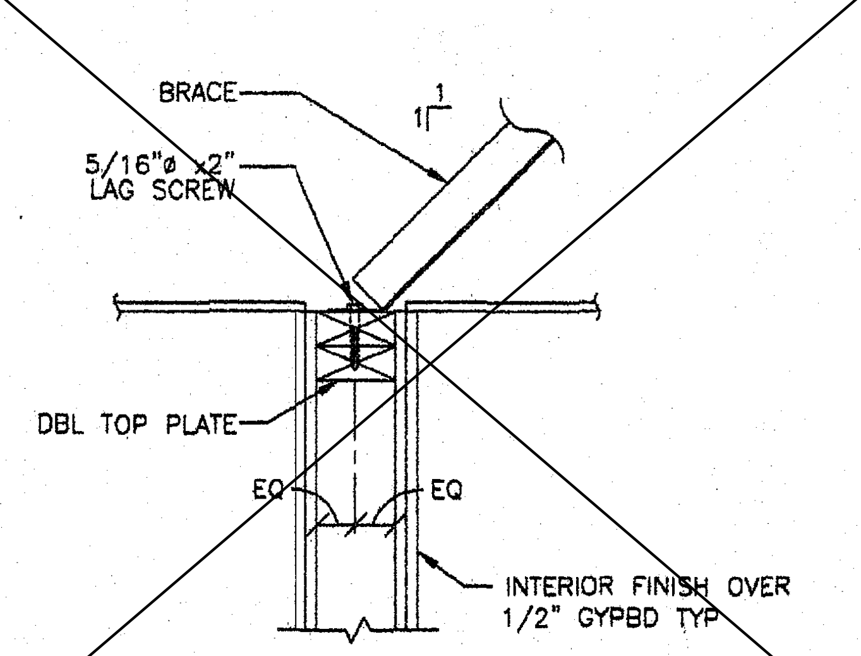
NOTE:
TOP PLATE MUST BE BRACED @ 8'-0" MAX BY EITHER AN INTERSECTING WALL OR WITH AN EMT BRACE TO THE PURLINS


"Z" PURLIN TYP
2-#8x1" TEK
3/4"ø EMT BRACE, @ 8'-0" MAX O.C., CRIMP EA END
FACE NAIL END STUD TO EXTERIOR WALL W/ .131x3" @ 12" OC
LAP SPLICE TOP PLATES 4'-0" MIN. W/16d @ 6" O.C. (OR .131x3" @ 4" O.C) & LAP CORNERS & NAIL W/ (4).131x3"

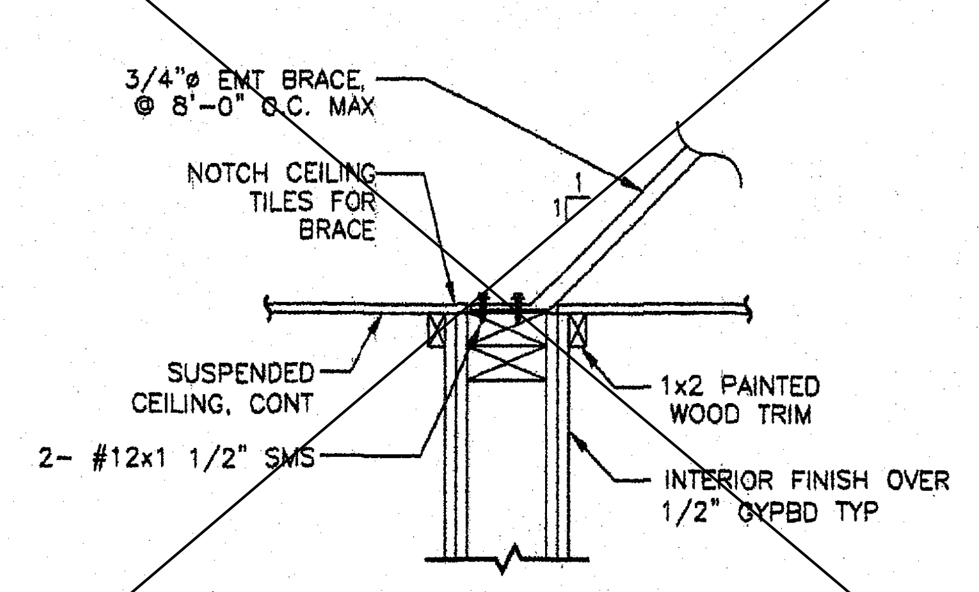
7 ALT. INTERIOR WALL BRACING w/EMT BRACE
S5A 1 1/2"=1-0" (BRACE PARALLEL TO PURLINS)


2-#8x1" TEK OR SMS
"Z" PURLIN BLOCKING
3/4"ø EMT BRACE, @ 8'-0" O.C. MAX
NOTCH CEILING TILES FOR BRACE
2x2x20 GA x 3" LONG CLIP W/ (2) #12 SMS INTO EA LEG OR WELD BLOCKING PER 7/S3 OR 4/S3A TYP
SUSPENDED CEILING, CONT
1x2 PAINTED WOOD TRIM
2- #12x1 1/2" WS
INTERIOR FINISH OVER 1/2" GYPBD TYP

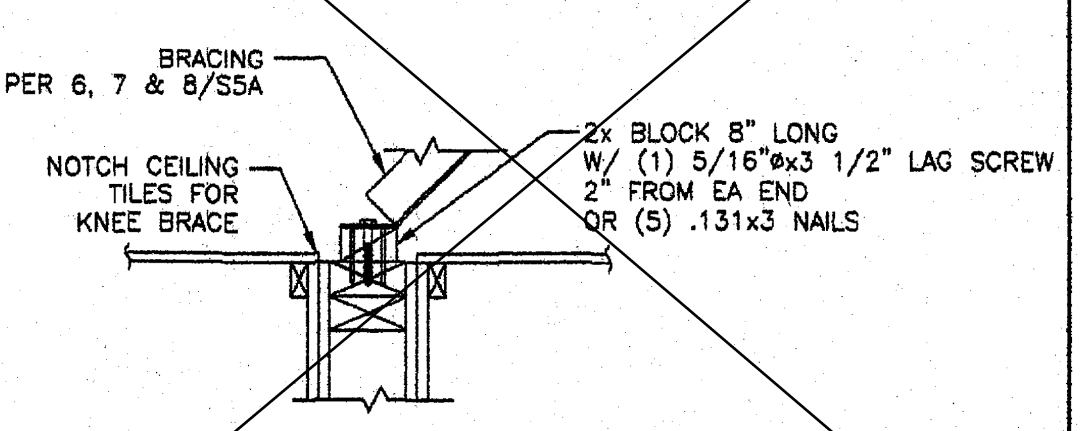
7A ALT. INTERIOR WALL BRACING w/EMT BRACE
S5A 1 1/2"=1-0" (BRACE PERPENDICULAR TO PURLINS)



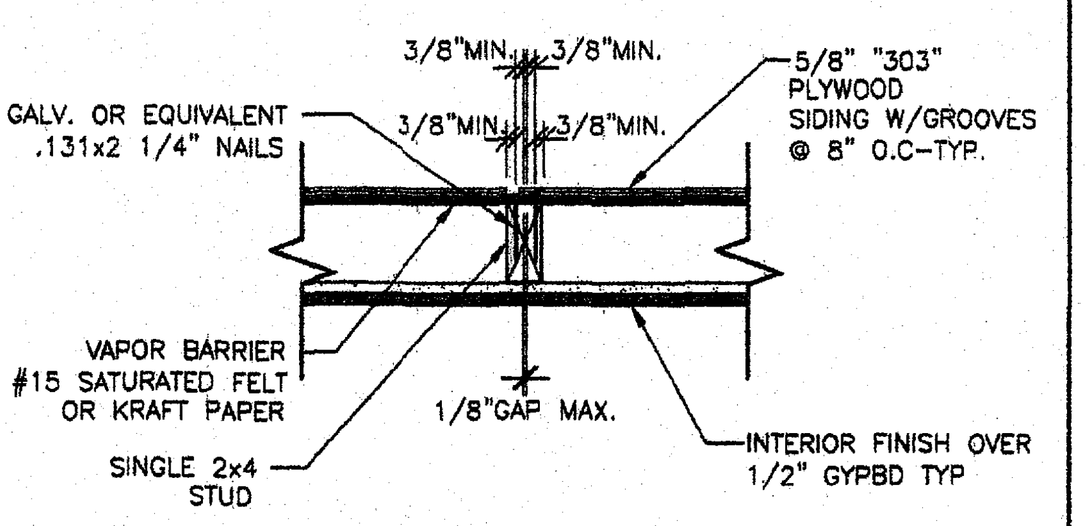
8 TYP. INTERIOR WALL BRACING
S5A 1 1/2"=1-0" (INTERIOR PARTITION BRACING)


3/4"ø EMT BRACE, @ 8'-0" O.C. MAX
NOTCH CEILING TILES FOR BRACE
SUSPENDED CEILING, CONT
2- #12x1 1/2" SMS
1x2 PAINTED WOOD TRIM
INTERIOR FINISH OVER 1/2" GYPBD TYP

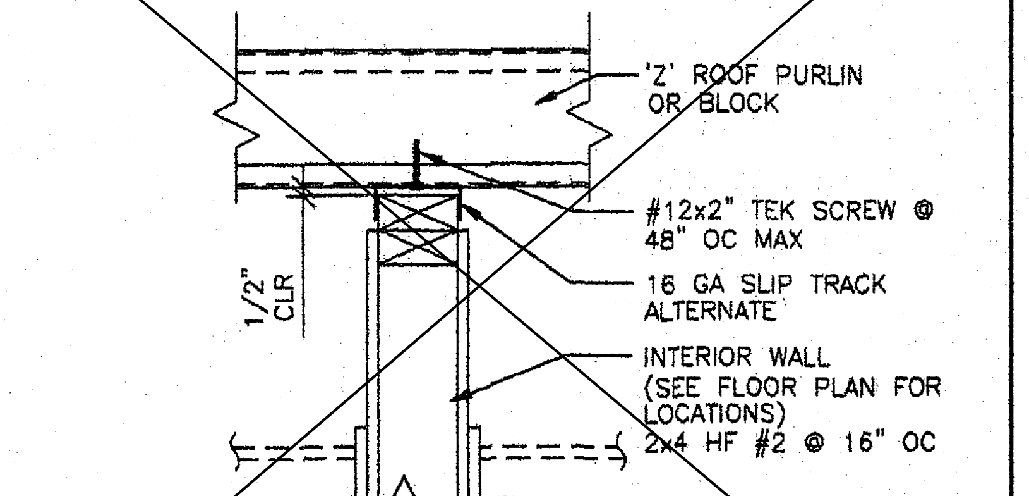
9 ALT. INTERIOR WALL BRACING
S5A 1 1/2"=1-0" (INTERIOR PARTITION BRACING w/EMT BRACING)


BRACING PER 6, 7 & 8/S5A
NOTCH CEILING TILES FOR KNEE BRACE
2x BLOCK 8" LONG W/ (1) 5/16"øx3 1/2" LAG SCREW 2" FROM EA END OR (5) .131x3 NAILS

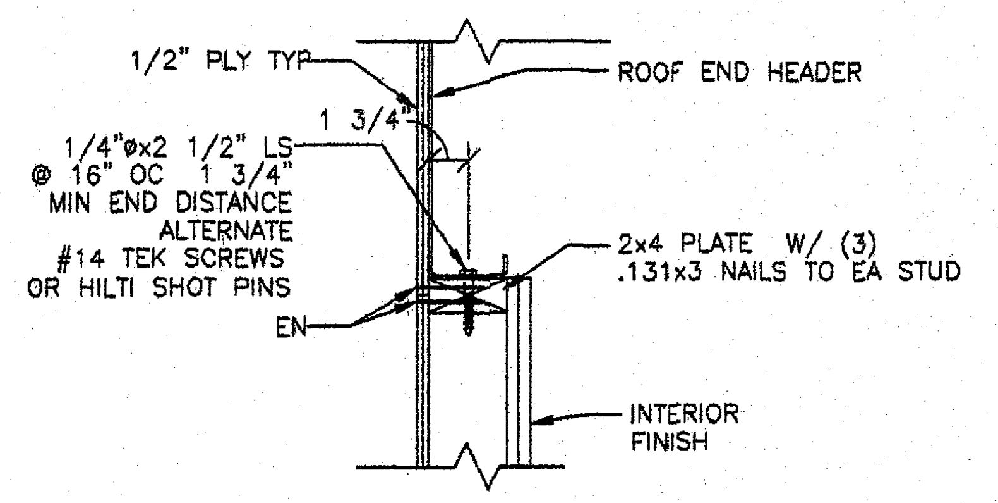
9A ALT BLOCKING @ INT WALL BRACING
S5A 1 1/2"=1-0"


3/8"MIN. 3/8"MIN.
3/8"MIN. 3/8"MIN.
GALV. OR EQUIVALENT .131x2 1/4" NAILS
5/8" "303" PLYWOOD SIDING W/GROOVES @ 8" O.C-TYP.
VAPOR BARRIER #15 SATURATED FELT OR KRAFT PAPER
SINGLE 2x4 STUD
1/8"GAP MAX.
INTERIOR FINISH OVER 1/2" GYPBD TYP

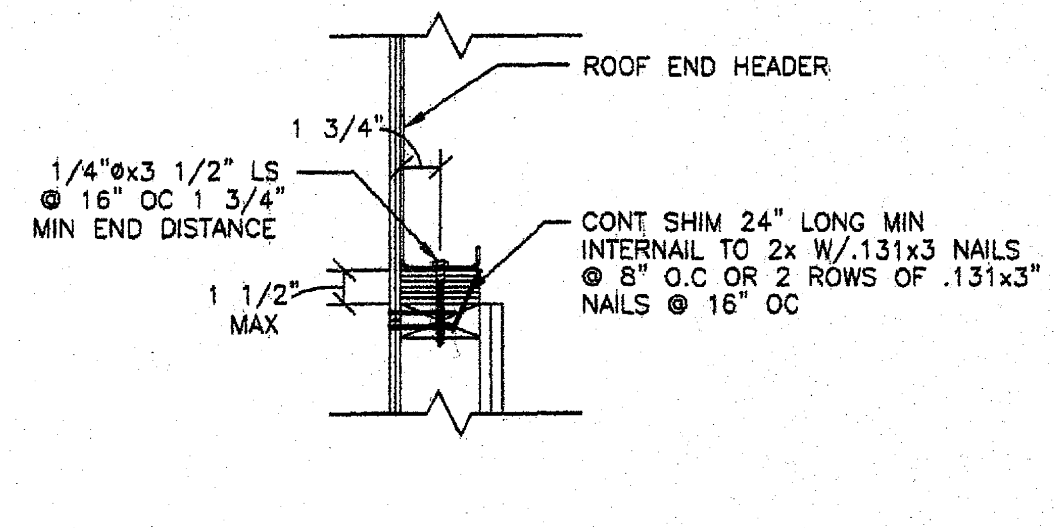
10 TYPICAL SIDING JOINT
S5A 1 1/2"=1-0"


'Z' ROOF PURLIN OR BLOCK
#12x2" TEK SCREW @ 48" OC MAX
1/2" CLR
16 GA SLIP TRACK ALTERNATE
INTERIOR WALL (SEE FLOOR PLAN FOR LOCATIONS) 2x4 HF #2 @ 16" OC

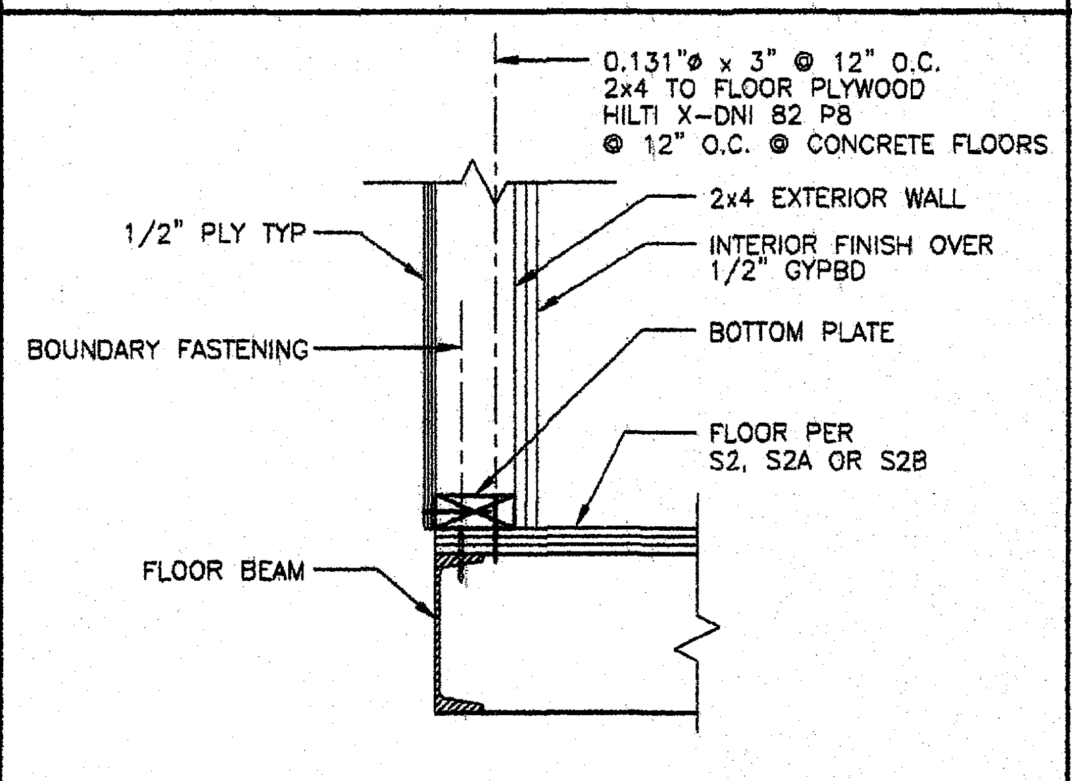
11 ALT.INTERIOR WALL ATTACHMENT
S5A 1 1/2"=1'-0"


1/2" PLY TYP
ROOF END HEADER
1 3/4"
1/4"øx2 1/2" LS @ 16" OC 1 3/4" MIN END DISTANCE ALTERNATE #14 TEK SCREWS OR HILTI SHOT PINS
EN
2x4 PLATE W/ (3) .131x3 NAILS TO EA STUD
INTERIOR FINISH

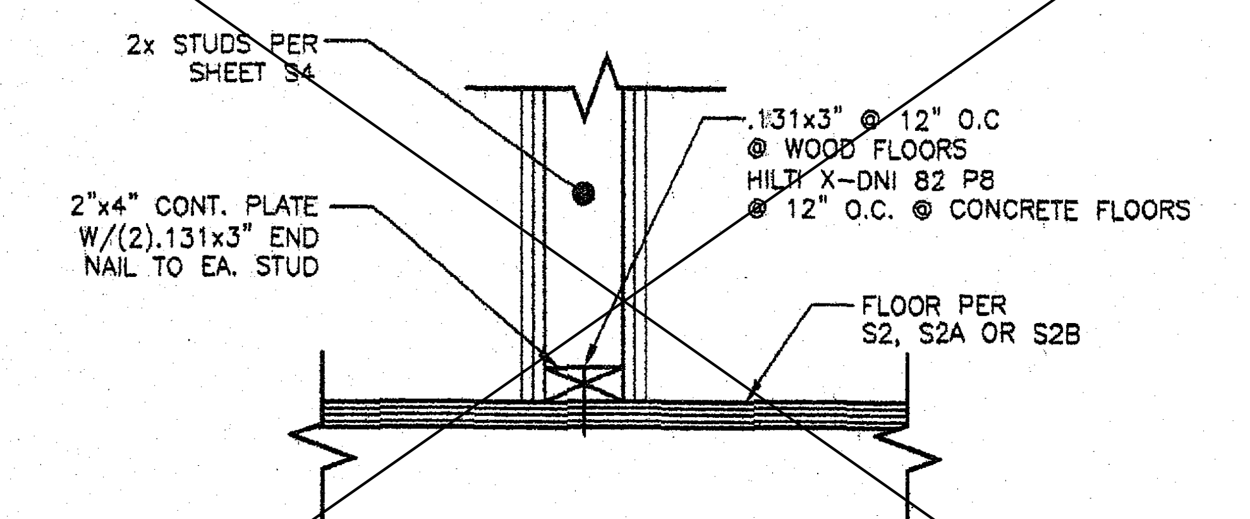
12 END WALL TO ROOF BEAM DETAIL
S5A 1 1/2"=1-0"


ROOF END HEADER
1 3/4"
1/4"øx3 1/2" LS @ 16" OC 1 3/4" MIN END DISTANCE
1 1/2" MAX
CONT SHIM 24" LONG MIN INTERNAIL TO 2x W/.131x3 NAILS @ 8" O.C OR 2 ROWS OF .131x3" NAILS @ 16" OC

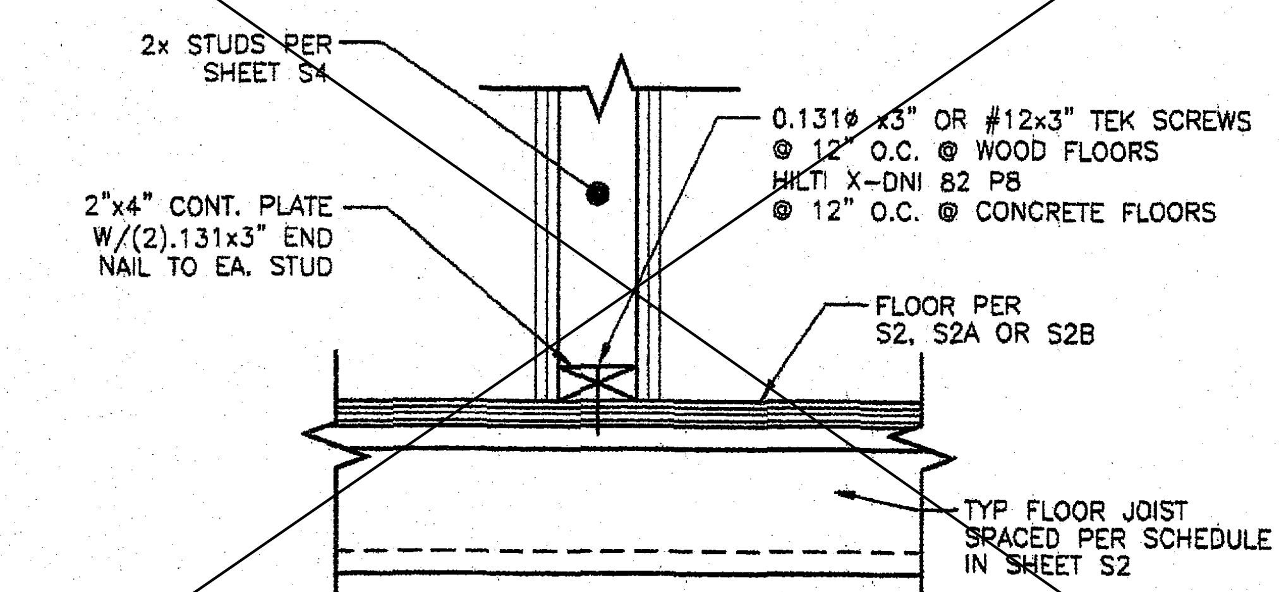
13 END WALL TO ROOF BEAM DETAIL WITH SHIM CONDITION
S5A 1 1/2"=1'-0"


0.131"ø x 3" @ 12" O.C. 2x4 TO FLOOR PLYWOOD HILTI X-DNI 82 P8 @ 12" O.C. @ CONCRETE FLOORS
2x4 EXTERIOR WALL
1/2" PLY TYP
INTERIOR FINISH OVER 1/2" GYPBD
BOUNDARY FASTENING
BOTTOM PLATE
FLOOR PER S2, S2A OR S2B
FLOOR BEAM

14 EXTERIOR WALL TO FLOOR TYP DETAIL
S5A 1 1/2"=1'-0"


2x STUDS PER SHEET S4
.131x3" @ 12" O.C @ WOOD FLOORS HILTI X-DNI 82 P8 @ 12" O.C. @ CONCRETE FLOORS
2"x4" CONT. PLATE W/(2).131x3" END NAIL TO EA. STUD
FLOOR PER S2, S2A OR S2B

15 TYP. INT. NON-BEARING WALL BASE ATTACHMENT
S5A 1 1/2"=1'-0" (WALL PARALLEL TO FLOOR JOISTS)


2x STUDS PER SHEET S4
0.131ø x3" OR #12x3" TEK SCREWS @ 12" O.C. @ WOOD FLOORS HILTI X-DNI 82 P8 @ 12" O.C. @ CONCRETE FLOORS
2"x4" CONT. PLATE W/(2).131x3" END NAIL TO EA. STUD
FLOOR PER S2, S2A OR S2B
TYP FLOOR JOIST SPACED PER SCHEDULE IN SHEET S2

16 TYP. INT. NON-BEARING WALL BASE ATTACHMENT
S5A 1 1/2"=1'-0" (WALL PERPENDICULAR TO FLOOR JOISTS)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS ✓ SS ✓
DATE MAY 0 9 2019

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE: 02/27/08
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24' x 40' THRU 144' x 40' (ES) RELOCATABLE BUILDINGS
WALL FRAMING DETAILS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Luttrell
No. 1416
EXP. 3-31-09
Structural Engineer

~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC FLS SS
DATE NOV 18 2008~~

John H. Lawder
No. 2310
Exp. 3-31-

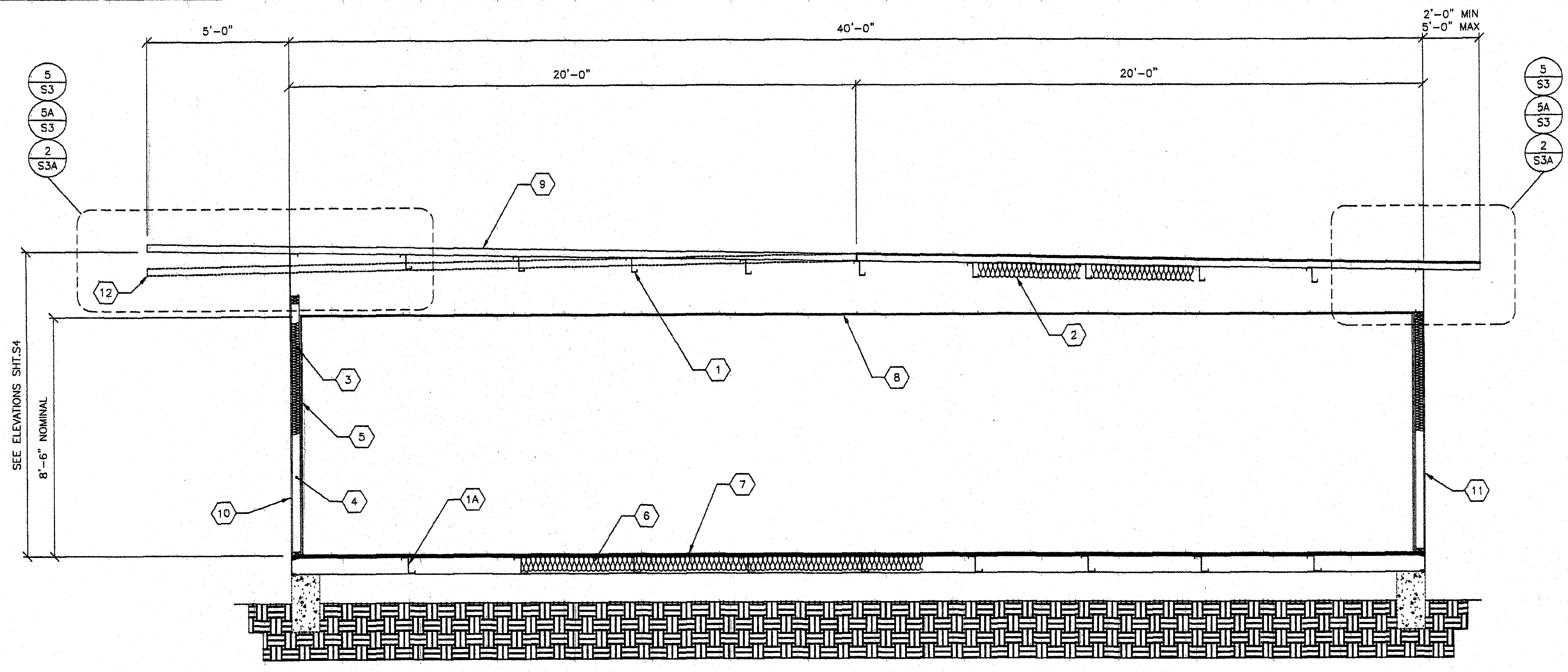
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-109535
AC FLS SS
DATE 1/27/09

PROJECT No.

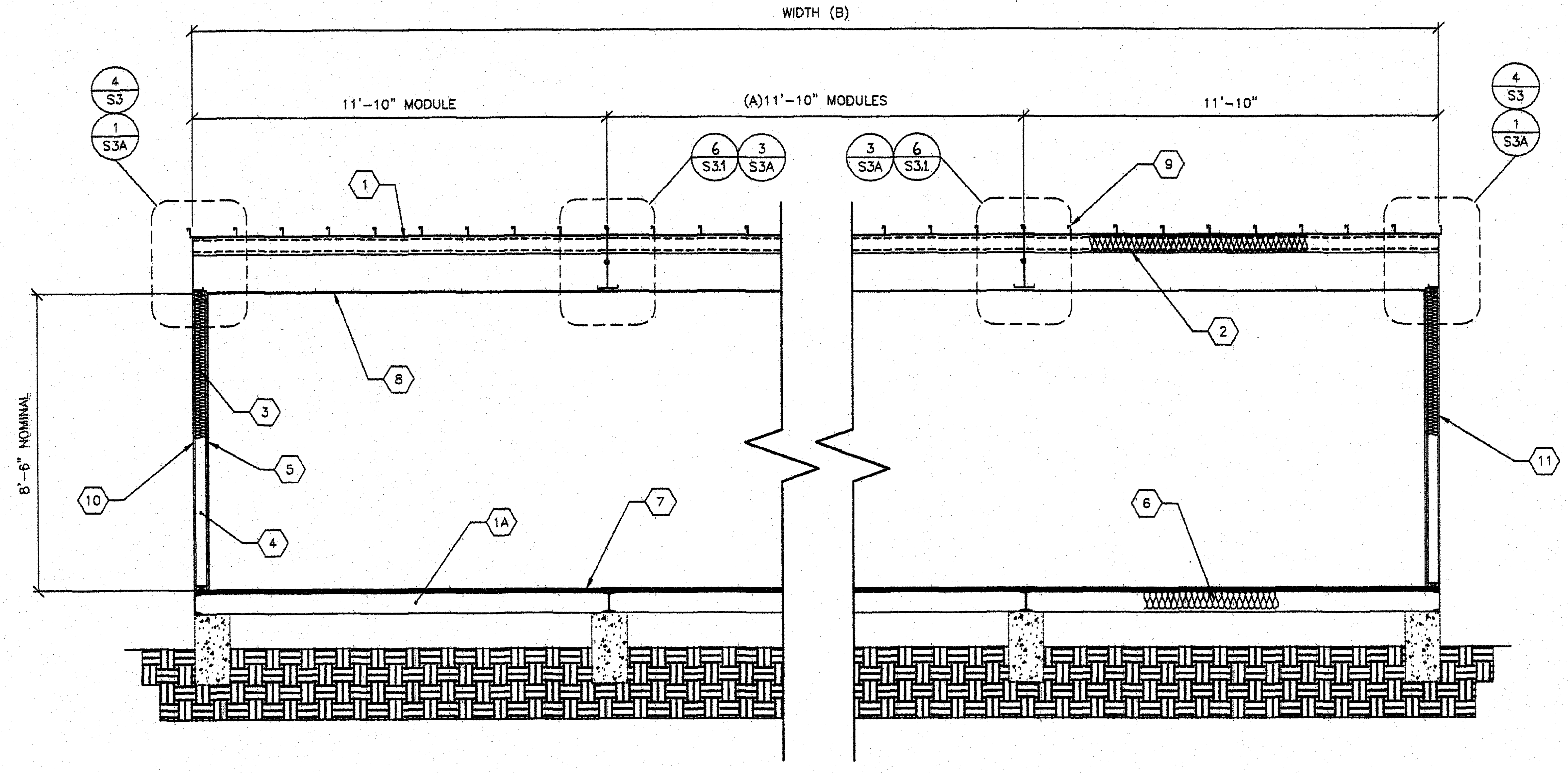
S5A

ADDENDUM

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.



A **TYP. LONGITUDINAL SECTION**
S7 3/8"=1'-0" (MONO/DUAL PITCH)



B **TYP. TRANSVERSE SECTION**
S7 3/8"=1'-0" (MONO/DUAL PITCH)

- KEY NOTES -

1	"Z" PURLINS @ 48" O.C
1A	STEEL "Z" FLOOR JOISTS
2	R-19 INSULATION w/22 GA WIRE @ 16" O.C
3	INSULATION w/KRAFT PAPER
4	2x STUDS PER ELEV, S5
5	VINYL FABRIC OVER TACKABLE BACKING PANELS
6	INSULATION w/KRAFT PAPER AND CHICKEN WIRE
7	1 ⅛" PLYWOOD FLOOR SHEATHING FOR ALT SEE SHEET S2, S2A, S2B
8	SUSPENDED T-BAR CEILING
9	METAL ROOF PANELS SEE ROOF FRAMING PLAN
10	TYPICAL PLYWOOD NAILING .131x2¼" GALV @ 6" O.C PANEL EDGES (ALL EDGES BLOCKED).131x2¼" GALV @ 12" O.C FIELD
11	EXTERIOR WALL FINISH PER EXTERIOR ELEVATIONS
12	ALTERNATE DUAL PITCH

- MODULE SCHEDULE -

BLDG SIZE (FT)	TOTAL # OF 12' WIDE MODULES	"A" TOTAL # OF CENTER MODULES	"B" TOTAL BLDG WIDTH
~~24' x 40'~~	~~2~~	~~0~~	~~23' 8 1/4"~~
~~36' x 40'~~	~~3~~	~~1~~	~~35' 6 1/2"~~
48' x 40'	4	2	47'-4 3/4"
~~60' x 40'~~	~~5~~	~~3~~	~~59' 3"~~
~~72' x 40'~~	~~6~~	~~4~~	~~71' 1 1/4"~~
~~84' x 40'~~	~~7~~	~~5~~	~~82' 11 1/2"~~
~~96' x 40'~~	~~8~~	~~6~~	~~94' 9 3/4"~~
~~108' x 40'~~	~~9~~	~~7~~	~~106' 8"~~
~~120' x 40'~~	~~10~~	~~8~~	~~118'-6 1/4"~~
~~132' x 40'~~	~~11~~	~~9~~	~~130' 4 1/2"~~
~~144' x 40'~~	~~12~~	~~10~~	~~142' 2 3/4"~~

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF: AMERICAN MODULAR SYSTEMS, INC. AND ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORIZATION OF AMERICAN MODULAR SYSTEMS, INC.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS ✓ FLS — SS
DATE MAY 0 9 2013

REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		
4		

DATE:
SCALE: NOTED
DRAWN BY: DM
SERIAL NO.:

CUSTOMER:

24'x40' THRU 144'x40' (ES) RELOCATABLE CLASSROOMS
BUILDING SECTIONS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

APPROVALS:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

Kenneth A. Luttrell
No. 1418
EXP. 3-31-09
Structural Engineer

~~IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 111652
AC FLS SS
DATE NOV 1 8 2010~~

JOHN H. LAWDER
No. 2310
Exp. 3-31-11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
~~PC 02-109635~~
AC FLS SS
DATE 1/27/09

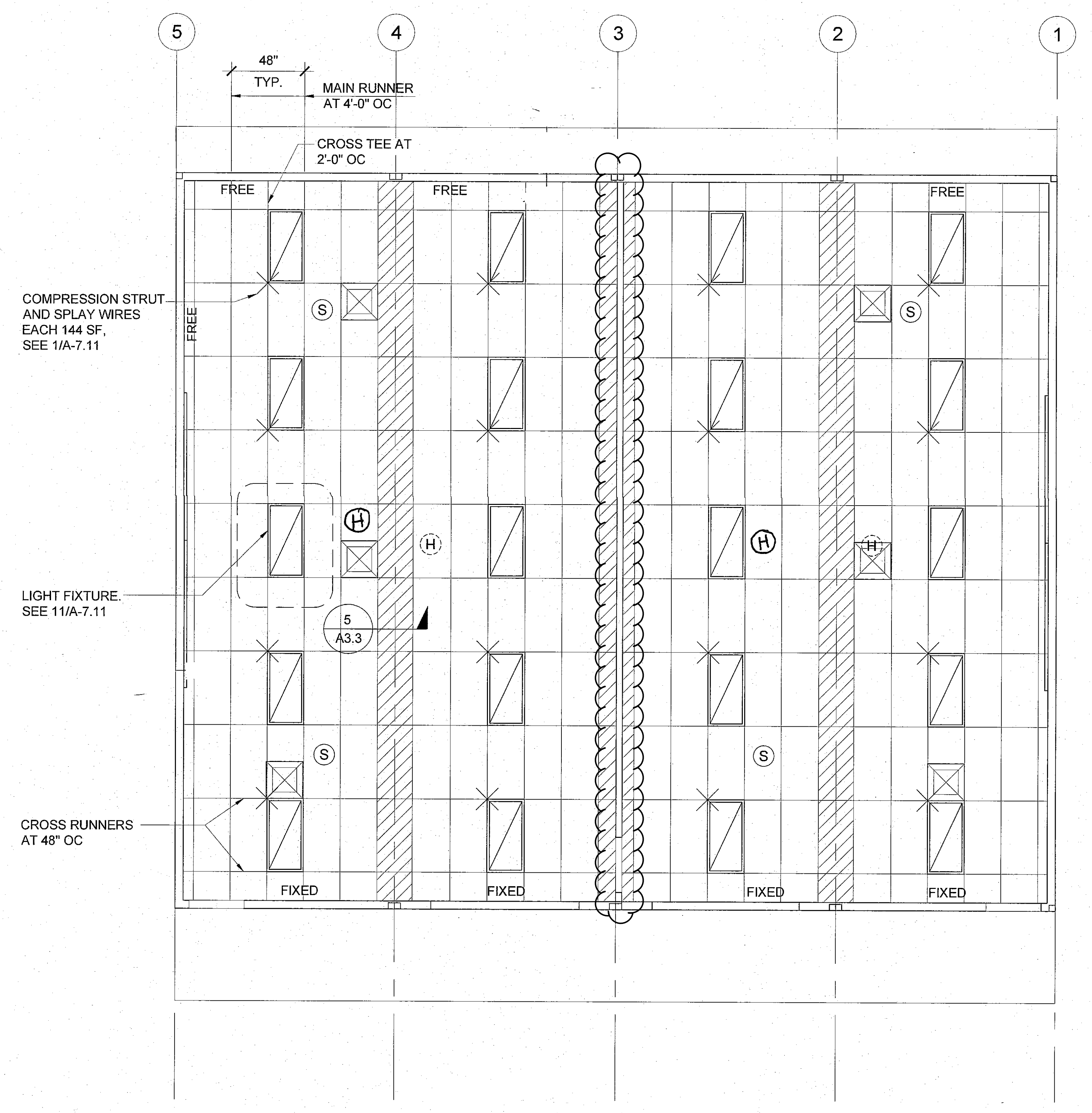
PROJECT No.

S7

ADDENDUM

ELECTRICAL LEGEND

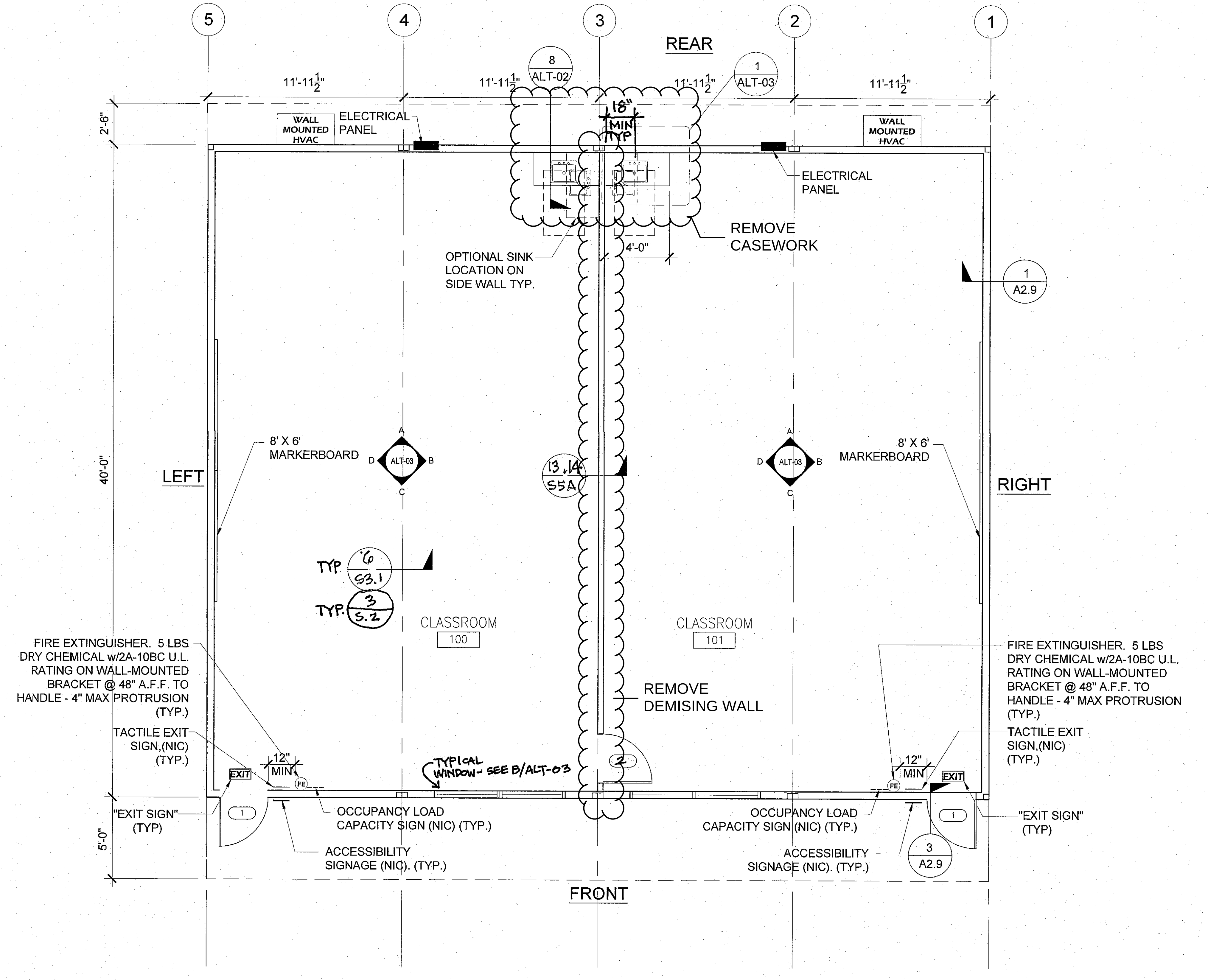
▭	2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH ELECTRONIC BALLAST
■	ELECTRICAL PANEL AT +60" AFF TO CENTERLINE OF PANEL WITH 1-1/2" DIA POWER STUB OUT
$	LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OF DEVICE BOX
▽	4SD J-BOX FOR FUTURE DATA- 1" CO STUB INTO ATTIC WITH PULLSTRING
◩	4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO PULL HANDLE OF DEVICE WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING
○	4SD J-BOX FOR FIRE ALARM STROBE/HORN (DEVICE BY OTHERS). MOUNT AT +80" AFF TO BOTTOM OF DEVICE WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING
EXIT	EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS (CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)
▭	RECESSED 4SD J-BOX W / COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
⦶	DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
⌖	EXTERIOR LIGHT FIXTURE. MOUNT AT +93" AFF
H	4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +96" AFF TO CENTERLINE OF DEVICE WITH 3/4" CONDUIT TO FIRE ALARM BACKBOX WITH PULLSTRING
S	4SD J-BOX FOR FIRE ALARM STROBE/HORN (DEVICE BY OTHERS). MOUNT AT +80" AFF TO BOTTOM OF DEVICE WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING
Ⓢ	SMOKE DETECTOR 4-SD J-BOX ONLY
Ⓗ	HEAT DETECTOR 4-SD J-BOX ONLY
⊠	SUPPLY AIR GRILLE
⧄	RETURN AIR GRILLE



REF.: DSA A# 02-111652 }

REFLECTED CEILING PLAN

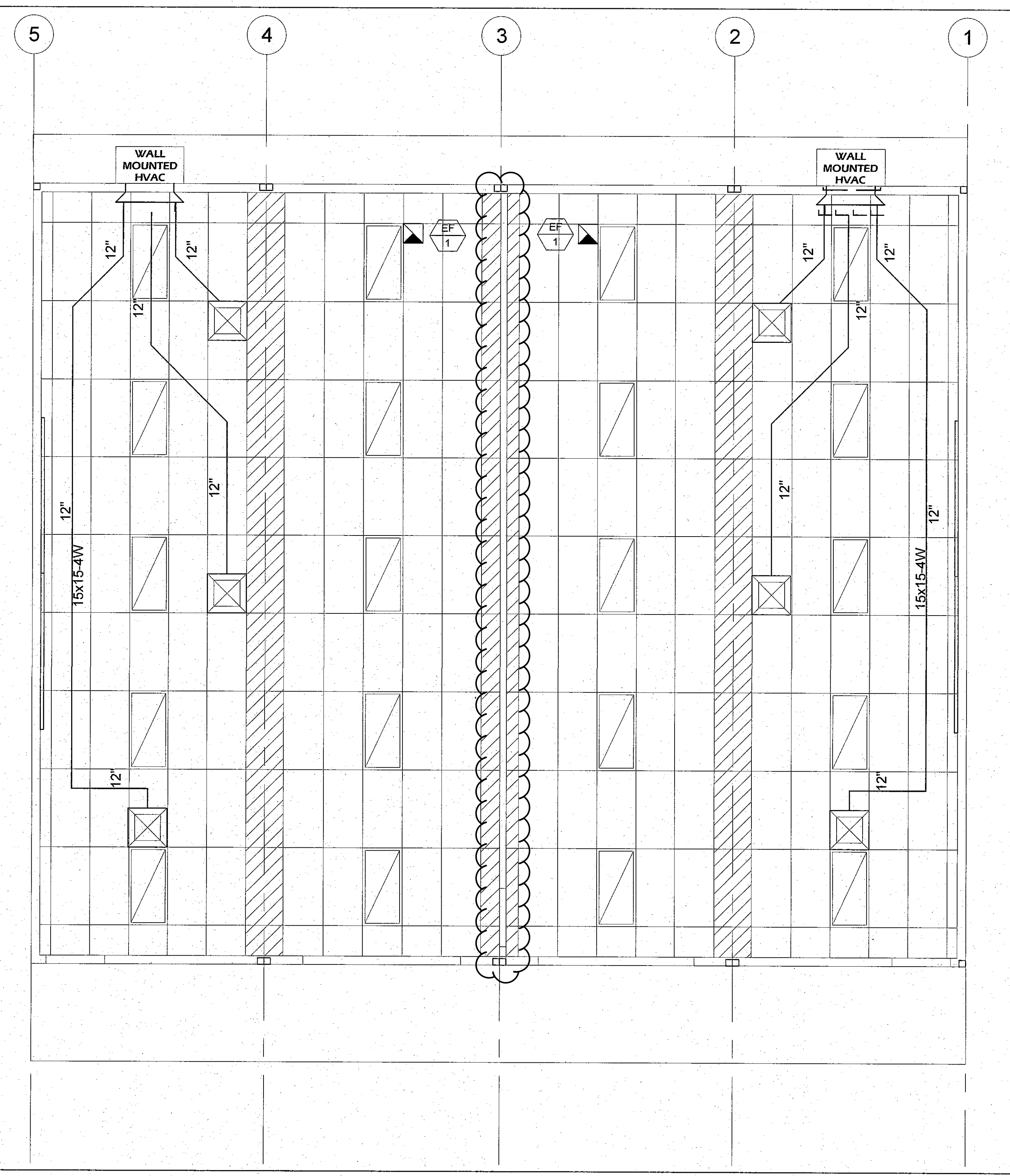
SCALE: 3/16" = 1'-0" 3


5
4
3
2
1
REAR
8
ALT-02
1
ALT-03
11'-11½"
11'-11½"
11'-11½"
11'-11½"
2'-6"
WALL MOUNTED HVAC
ELECTRICAL PANEL
18"
MIN
TYP
WALL MOUNTED HVAC
ELECTRICAL PANEL
REMOVE CASEWORK
OPTIONAL SINK LOCATION ON SIDE WALL TYP.
4'-0"
1
A2.9
40'-0"
LEFT
8' X 6' MARKERBOARD
A
D
ALT-03
B
C
13, 14
S5A
8' X 6' MARKERBOARD
RIGHT
TYP 6
S3.1
TYP. 3
S.2
CLASSROOM
100
CLASSROOM
101
FIRE EXTINGUISHER. 5 LBS DRY CHEMICAL w/2A-10BC U.L. RATING ON WALL-MOUNTED BRACKET @ 48" A.F.F. TO HANDLE - 4" MAX PROTRUSION (TYP.)
REMOVE DEMISING WALL
FIRE EXTINGUISHER. 5 LBS DRY CHEMICAL w/2A-10BC U.L. RATING ON WALL-MOUNTED BRACKET @ 48" A.F.F. TO HANDLE - 4" MAX PROTRUSION (TYP.)
TACTILE EXIT SIGN,(NIC) (TYP.)
12" MIN
EXIT
FE
TYPICAL WINDOW - SEE B/ALT-03
2
12" MIN
EXIT
TACTILE EXIT SIGN,(NIC) (TYP.)
"EXIT SIGN" (TYP)
1
OCCUPANCY LOAD CAPACITY SIGN (NIC) (TYP.)
OCCUPANCY LOAD CAPACITY SIGN (NIC) (TYP.)
"EXIT SIGN" (TYP)
5'-0"
ACCESSIBILITY SIGNAGE (NIC). (TYP.)
ACCESSIBILITY SIGNAGE (NIC). (TYP.)
3
A2.9
FRONT

REF.: DSA A# 02-111652 }

FLOOR PLAN FOR SERIAL NUMBER 10601-514 AND 10601-515 A/B/C/D

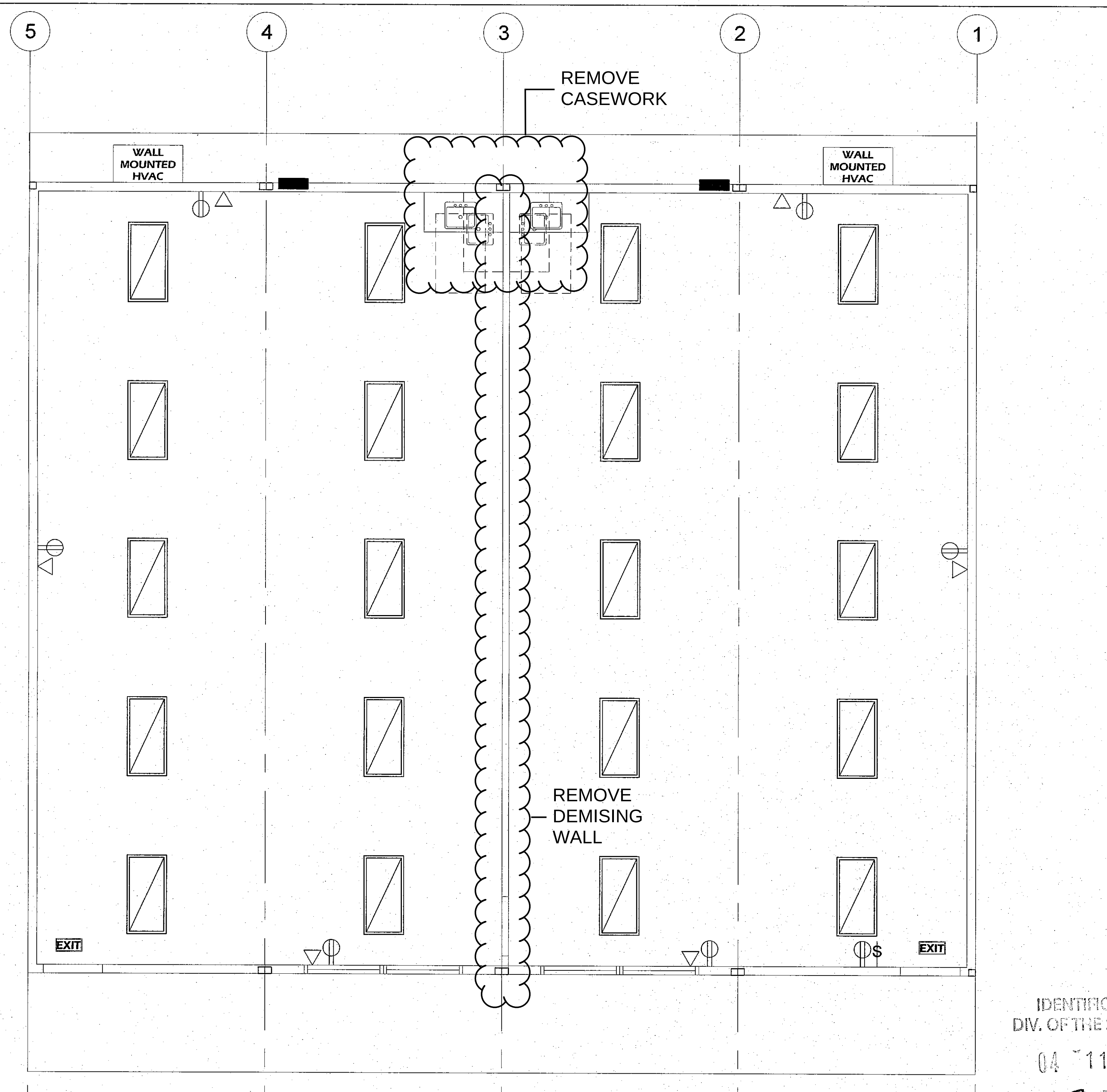
1



REF.: DSA A# 02-111652 }

MECHANICAL PLAN

SCALE: 3/16" = 1'-0" 4



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS FLS PF SS
DATE MAY 09 2019

REF.: DSA A# 02-111652 }

ELECTRICAL PLAN

SCALE: 3/16" = 1'-0" 2

REVISIONS	BY
1	
2	
3	
4	
5	
6	

CLASS
LEASING LLC
1320 W. Oleander Ave. Perris, CA 92571-7408
VOICE (951)943-1908 FAX (951)943-5768

ENGINEER

AOR

Manny D. Frisch
No. S3380
5/8/2019

SHEET TITLE:
ALTERATION TO STOCKPILE

DATE:

DRAWN BY:
05-06-2019

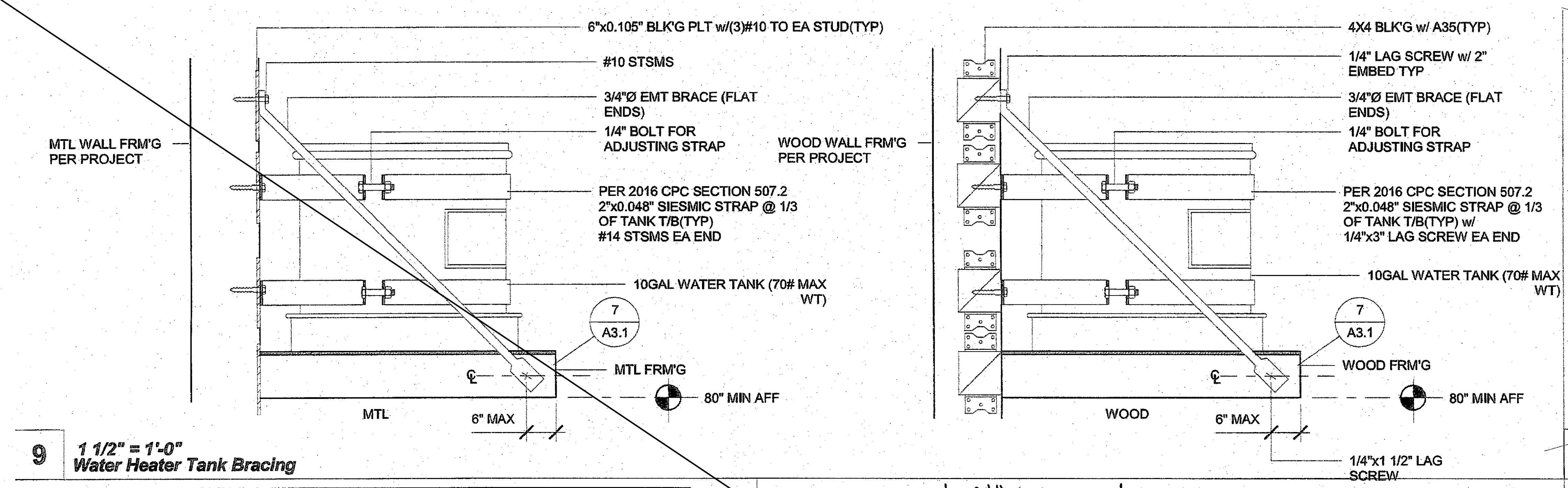
SCALE:
Bernnie P.

JOB:
AS SHOWN

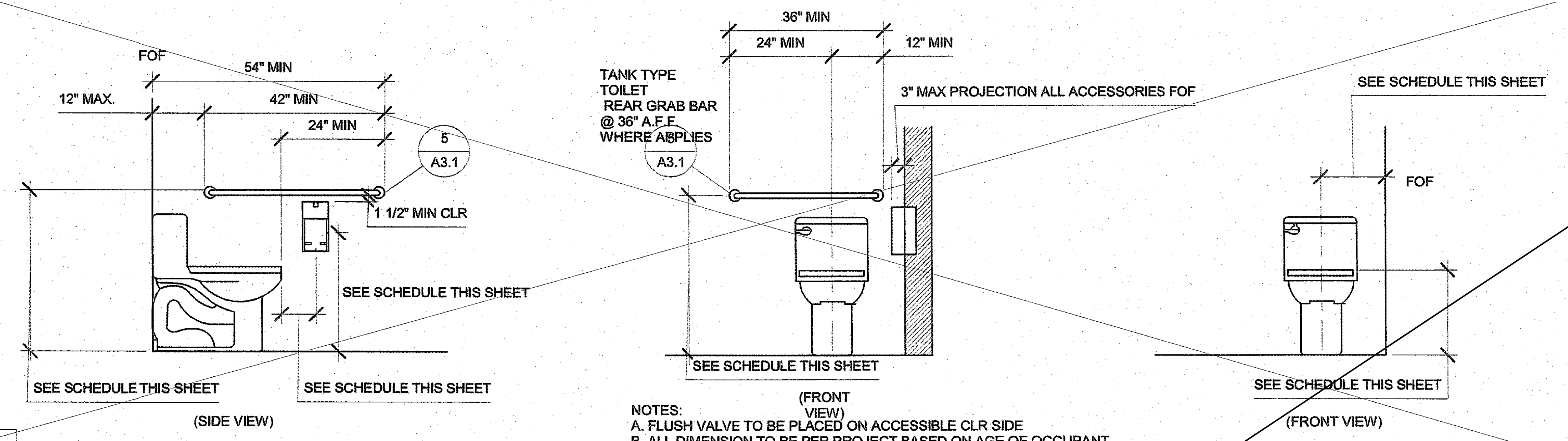
ALT-01

ADDENDUM

Plot by/Date/Time : Bernnie May 6, 2019

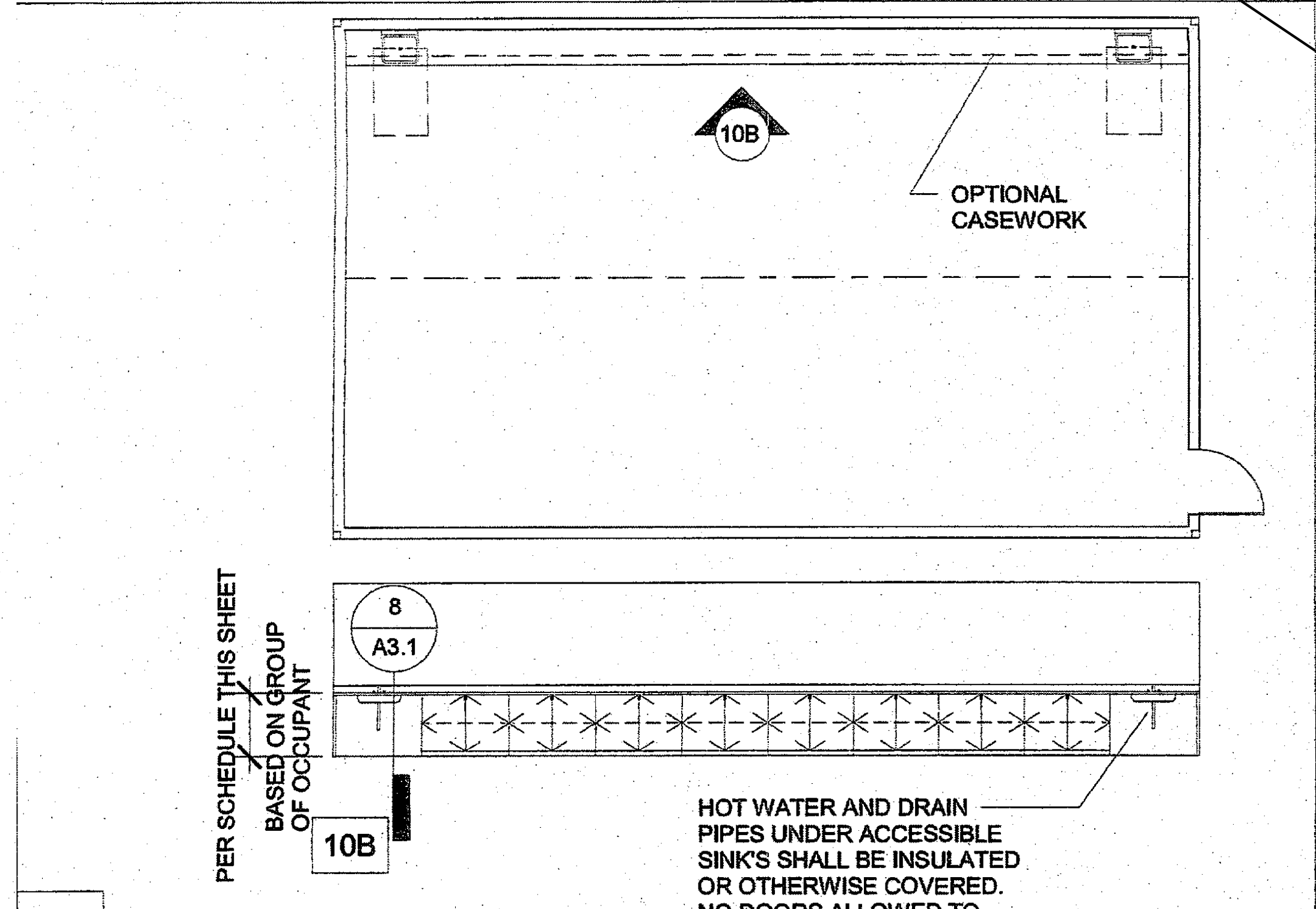

6"x0.105" BLK'G PLT w/(3)#10 TO EA STUD(TYP)
#10 STSMS
3/4"Ø EMT BRACE (FLAT ENDS)
1/4" BOLT FOR ADJUSTING STRAP
MTL WALL FRM'G PER PROJECT
PER 2016 CPC SECTION 507.2 2"x0.048" SIESMIC STRAP @ 1/3 OF TANK T/B(TYP) #14 STSMS EA END
10GAL WATER TANK (70# MAX WT)
7 A3.1
MTL FRM'G
80" MIN AFF
MTL
6" MAX
4X4 BLK'G w/ A35(TYP)
1/4" LAG SCREW w/ 2" EMBED TYP
3/4"Ø EMT BRACE (FLAT ENDS)
1/4" BOLT FOR ADJUSTING STRAP
WOOD WALL FRM'G PER PROJECT
PER 2016 CPC SECTION 507.2 2"x0.048" SIESMIC STRAP @ 1/3 OF TANK T/B(TYP) w/ 1/4"x3" LAG SCREW EA END
10GAL WATER TANK (70# MAX WT)
7 A3.1
WOOD FRM'G
80" MIN AFF
WOOD
6" MAX
1/4"x1 1/2" LAG SCREW

9 — 1 1/2" = 1'-0"
Water Heater Tank Bracing

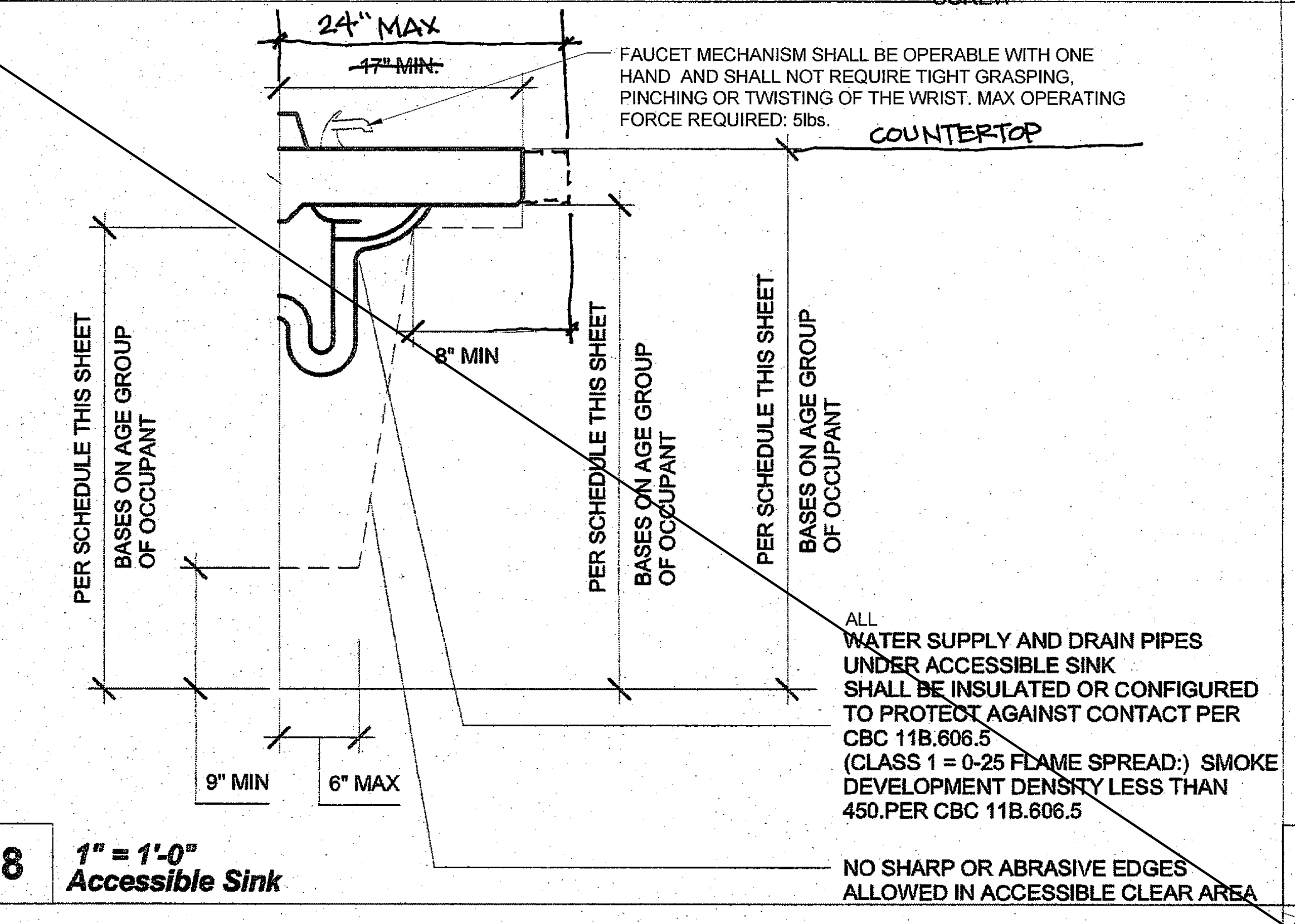


NOTES:
A. FLUSH VALVE TO BE PLACED ON ACCESSIBLE CLR SIDE
B. ALL DIMENSION TO BE PER PROJECT BASED ON AGE OF OCCUPANT
C. ALL DIMENSION PER ADA
- STANDARD DIMENSIONS SHALL NOT BE USED IN SINGLE OCC. BATHROOM

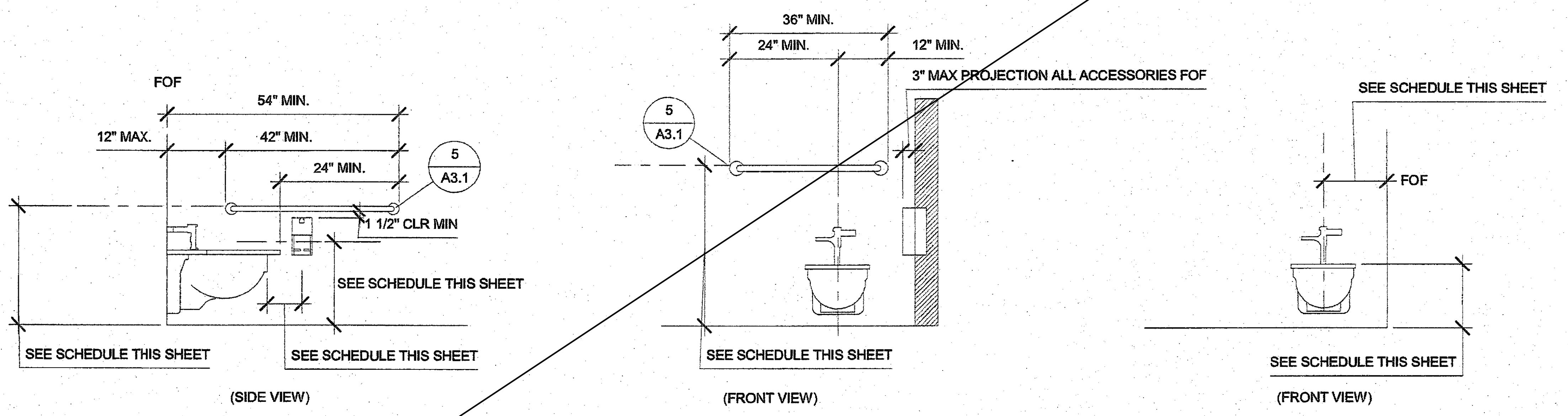
4 — 1/2" = 1'-0"
Tank Toilet


10B
OPTIONAL CASEWORK
8 A3.1
PER SCHEDULE THIS SHEET BASED ON GROUP OF OCCUPANT
10B
HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE SINKS SHALL BE INSULATED OR OTHERWISE COVERED. NO DOORS ALLOWED TO ACCESSIBLE SINKS

10 — 1/8" = 1'-0"
Optional Casework

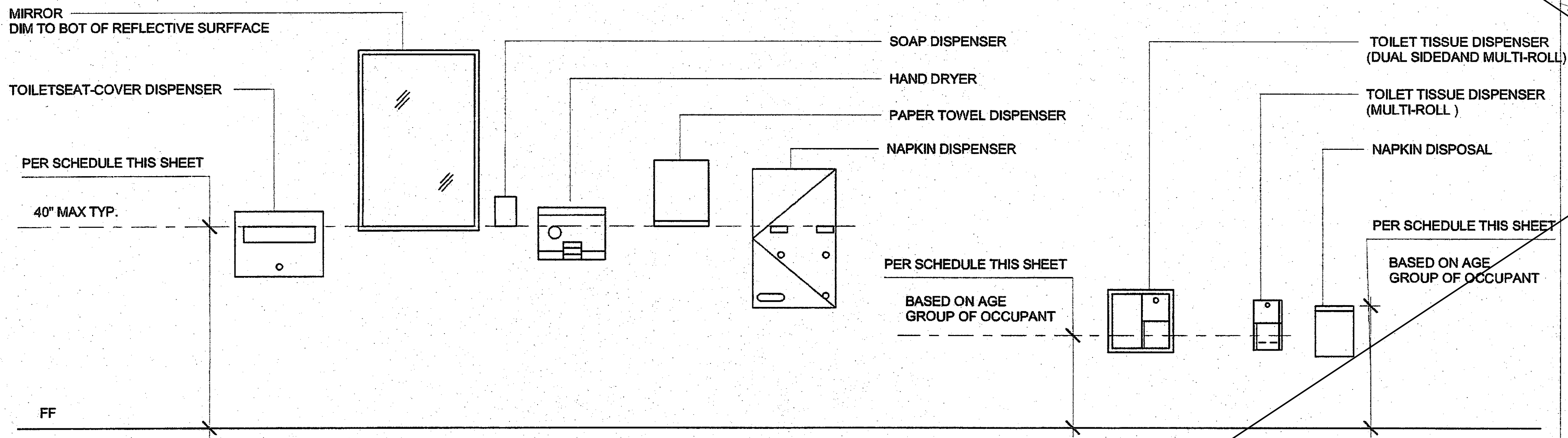

24" MAX
~~17" MIN.~~
FAUCET MECHANISM SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. MAX OPERATING FORCE REQUIRED: 5lbs.
COUNTERTOP
8" MIN
PER SCHEDULE THIS SHEET BASES ON AGE GROUP OF OCCUPANT
PER SCHEDULE THIS SHEET BASES ON AGE GROUP OF OCCUPANT
PER SCHEDULE THIS SHEET BASES ON AGE GROUP OF OCCUPANT
ALL WATER SUPPLY AND DRAIN PIPES UNDER ACCESSIBLE SINK SHALL BE INSULATED OR CONFIGURED TO PROTECT AGAINST CONTACT PER CBC 11B.606.5 (CLASS 1 = 0-25 FLAME SPREAD:) SMOKE DEVELOPMENT DENSITY LESS THAN 450.PER CBC 11B.606.5
9" MIN
6" MAX
NO SHARP OR ABRASIVE EDGES ALLOWED IN ACCESSIBLE CLEAR AREA

8 — 1" = 1'-0"
Accessible Sink



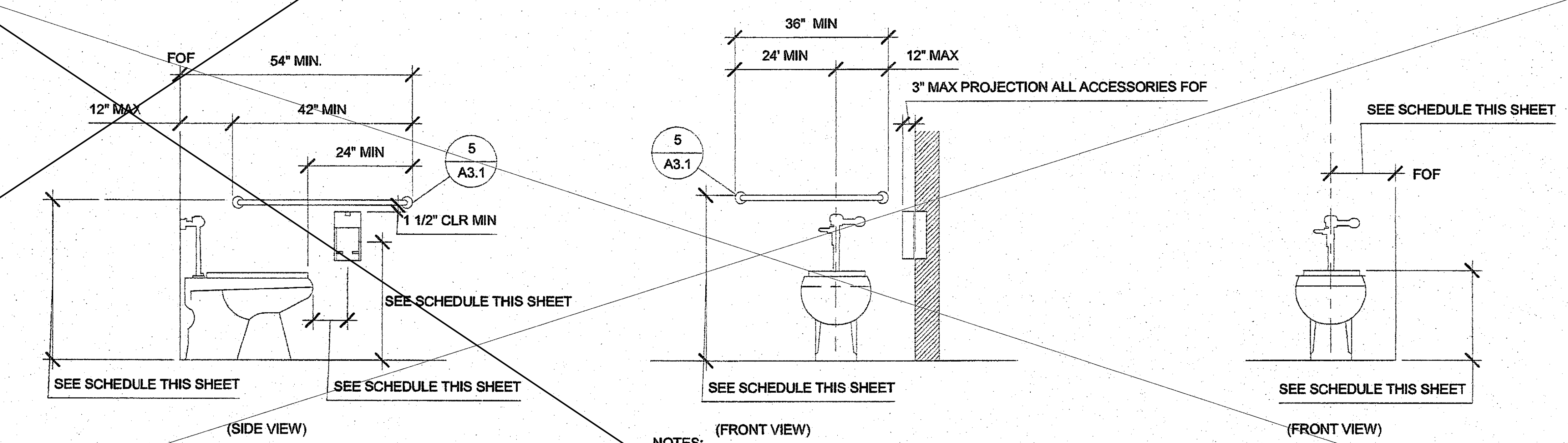
NOTES:
A. FLUSH VALVE TO BE PLACED ON ACCESSIBLE CLR SIDE
B. ALL DIMENSION TO BE PER PROJECT BASED ON AGE OF OCCUPANT
C. ALL DIMENSION PER ADA/CBC
- STANDARD DIMENSIONS SHALL NOT BE USED IN SINGLE OCC. BATHROOM

3 — 1/2" = 1'-0"
Wall Mounted Toilet


MIRROR DIM TO BOT OF REFLECTIVE SURFACE
TOILETSEAT-COVER DISPENSER
PER SCHEDULE THIS SHEET
40" MAX TYP.
SOAP DISPENSER
HAND DRYER
PAPER TOWEL DISPENSER
NAPKIN DISPENSER
TOILET TISSUE DISPENSER (DUAL SIDEDAND MULTI-ROLL)
TOILET TISSUE DISPENSER (MULTI-ROLL)
NAPKIN DISPOSAL
PER SCHEDULE THIS SHEET
PER SCHEDULE THIS SHEET
BASED ON AGE GROUP OF OCCUPANT
BASED ON AGE GROUP OF OCCUPANT
FF

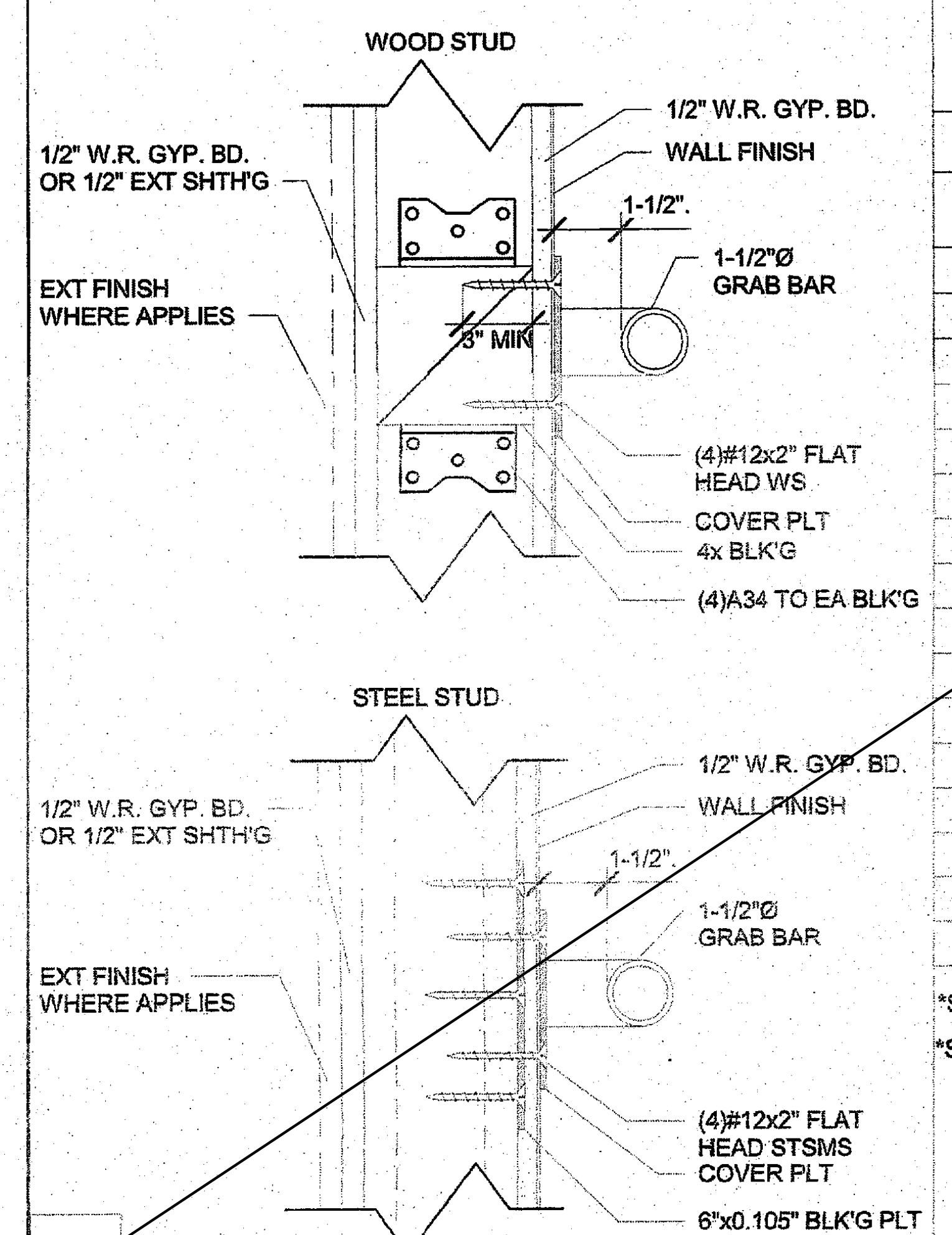
MAXIMUM 3" PROJECTION FOR ALL ACCESSORIES (UNO)

6 — 1/2" = 1'-0"
Mounting Heights



NOTES:
A. FLUSH VALVE TO BE PLACED ON ACCESSIBLE CLR SIDE
B. ALL DIMENSION TO BE PER PROJECT BASED ON AGE OF OCCUPANT
C. ALL DIMENSION PER ADA/CBC
- STANDARD DIMENSIONS SHALL NOT BE USED IN SINGLE OCC. BATHROOM

2 — 1/2" = 1'-0"
Floor Mounted Toilet



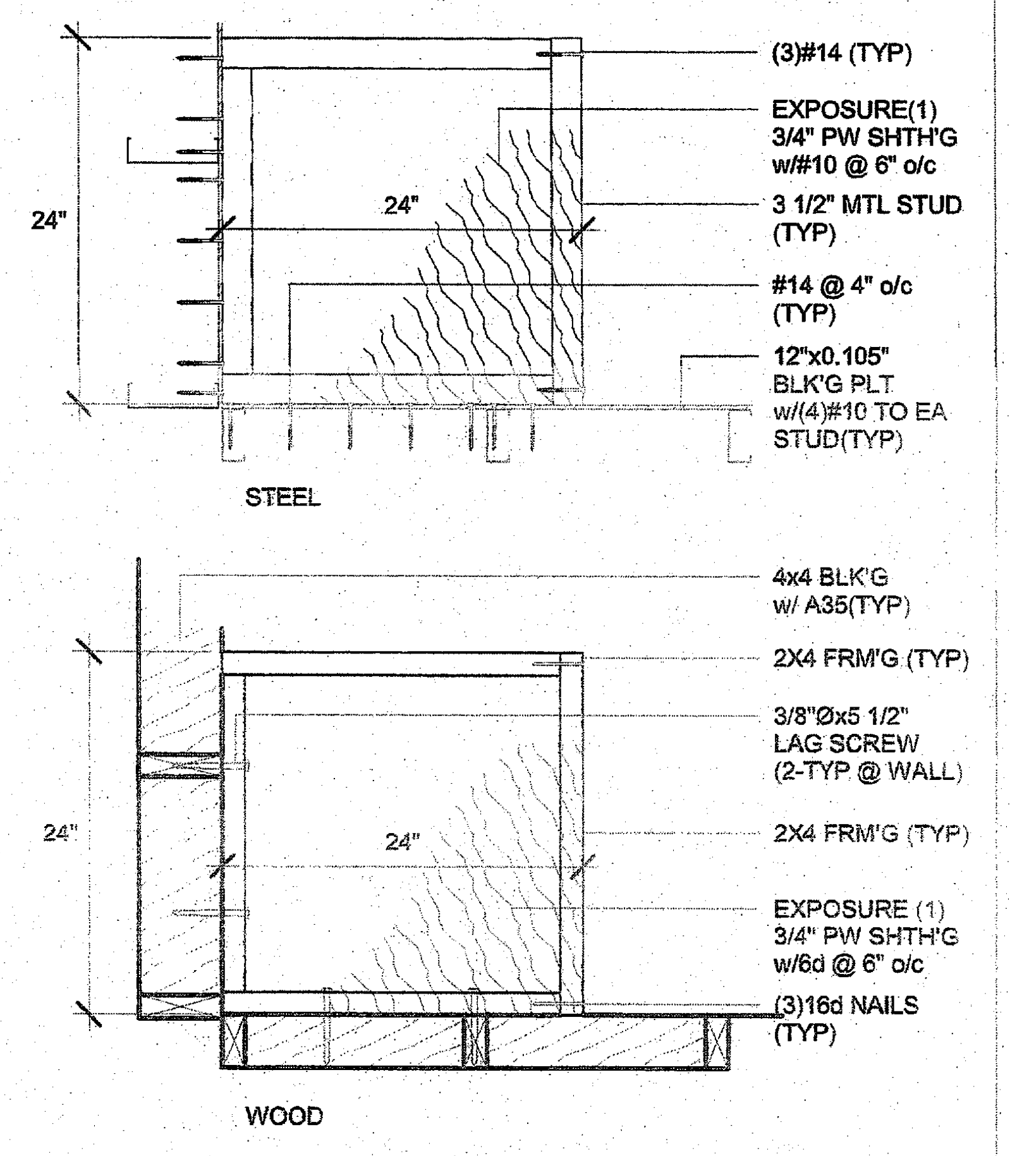
5 — 3" = 1'-0"
Grab Bar Mounting

RECOMMENDED ACCESSIBLE MOUNTING HEIGHT PER CBC TABLE 11B609.4

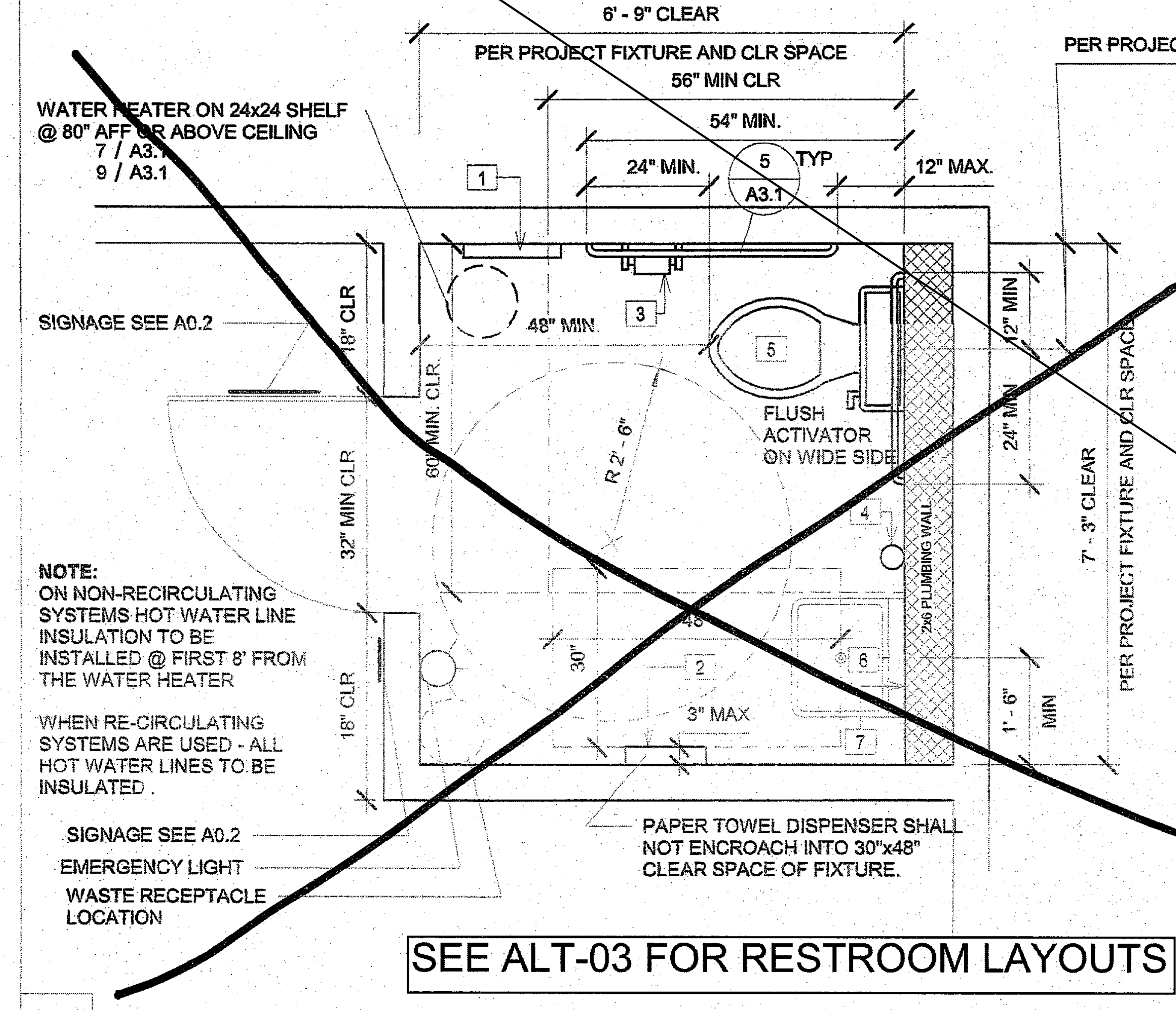
TYPE	☒	☐	☐	☒	☐
AGE GROUP	ADA ADULT	AGE 12 AND UP	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT	17" - 19"	17" - 19"	15" - 17"	12" - 15"	11" - 12"
TOILET FRONT CLEARANCE	48"	48"	48"	48"	48"
GRAB BAR HEIGHT (TOP OF BAR)	33" - 36"	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	8" MAX.	7" - 9"	7" - 9"	7" - 9"	7" - 9"
TOILET PAPER DISPENSER HEIGHT (CENTER)	19" MIN.	19" MIN.	17" - 19"	14" - 17"	14"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	12" MAX.	12" MAX.	N/A	N/A
NAPKIN DISPOSAL HEIGHT (TO TOP)	25"-30"	25"-30"	25"-30"	N/A	N/A
MIRROR HEIGHT (TO REFLECTIVE SURFACE)	40" MAX.	40" MAX.	40" MAX.	36" MAX.	32" MAX.
TOILET SEAT COVER DISPENSER HEIGHT	40"	40"	40"	36"	32"
*SINK (TOP)	34" MAX.	34" MAX.	34" MAX.	31" MAX.	*24" MAX.
*SINK (BOT)	29" MIN	29" MIN.	27" MIN.	24" MIN.	19" MIN.
SOAP DISPENSER	40" MAX.	40" MAX.	40" MAX.	36" MAX.	32" MAX.
HAND DRYER (TOP OF CONTROL)	40" MAX.	40" MAX.	40" MAX.	36" MAX.	32" MAX.
NAPKIN DISPENSER HEIGHT (TOP OF DISP.)	40" MAX.	40" MAX.	40" MAX.	N/A	N/A
PAPER TOWEL DISPENSER HEIGHT	40" MAX.	40" MAX.	40" MAX.	36" MAX.	32" MAX.

*SINK SHALL ACCOMMODATE SIDE APPROACH w/ 30x48 CLR SPACE

*SEE DETAIL THIS SHEET FOR DIMENSIONS AND NOTES ON KNEE AND TOE CLEARANCE


24"
24"
(3)#14 (TYP)
EXPOSURE(1) 3/4" PW SHTH'G w/#10 @ 6" o/c
3 1/2" MTL STUD (TYP)
#14 @ 4" o/c (TYP)
12"x0.105" BLK'G PLT w/(4)#10 TO EA STUD(TYP)
STEEL
24"
24"
4x4 BLK'G w/ A35(TYP)
2X4 FRM'G (TYP)
3/8"Øx5 1/2" LAG SCREW (2-TYP @ WALL)
2X4 FRM'G (TYP)
EXPOSURE (1) 3/4" PW SHTH'G w/6d @ 6" o/c
(3)16d NAILS (TYP)
WOOD

7 — 1" = 1'-0"
Water Heater Shelf Framing


6'-9" CLEAR
PER PROJECT FIXTURE AND CLR SPACE
56" MIN CLR
54" MIN.
24" MIN.
5 A3.1
TYP
12" MAX.
WATER HEATER ON 24x24 SHELF @ 80" AFF OR ABOVE CEILING
7 / A3.1
9 / A3.1
1
48" MIN.
3
5
FLUSH ACTIVATOR ON WIDE SIDE
SIGNAGE SEE A0.2
18" CLR
60" MIN CLR.
32" MIN CLR
R 2'-6"
18" CLR
30"
2
3" MAX
7
4
6
24" MIN
7'-3" CLEAR
PER PROJECT FIXTURE AND CLR SPACE
1'-6"
MIN.
PAPER TOWEL DISPENSER SHALL NOT ENCROACH INTO 30"x48" CLEAR SPACE OF FIXTURE.
SIGNAGE SEE A0.2
EMERGENCY LIGHT
WASTE RECEPTACLE LOCATION

NOTE:
ON NON-RECIRCULATING SYSTEMS HOT WATER LINE INSULATION TO BE INSTALLED @ FIRST 8' FROM THE WATER HEATER

WHEN RE-CIRCULATING SYSTEMS ARE USED - ALL HOT WATER LINES TO BE INSULATED .

PER PROJECT SEE SCHEDULE THIS SHEET

1. TOILET SEAT COVER DISPENSER: SURFACE MOUNTED.
2. PAPER TOWEL DISPENSER: SURFACE MOUNTED 3" MAX PROJECTION .
3. TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED INTO WALL IF SURFACE MOUNTED 3" MAX PROJECTION.
4. LIQUID SOAP DISPENSER: SURFACE MOUNTED 4" MAX PROJECTION.
5. WATER CLOSET PER PROJECT SEE PLUMBING PLAN FOR TYPE SEE DETAILS THIS SHEET FOR MOUNTING SEE SCHEDULE THIS SHEET FOR MOUNTING HEIGHTS PER AGE GROUP
6. SINK PER PROJECT SEE PLUMBING PLAN FOR TYPE SEE DETAILS THIS SHEET FOR MOUNTING SEE SCHEDULE THIS SHEET FOR MOUNTING HEIGHTS PER AGE GROUP
7. SERIES 530 RETURNED MIRRORS STAINLESS STEEL -18GA 18"x24" - "J" SHEET METAL MANUFACTURED OR APPROVED EQUAL

SEE ALT-03 FOR RESTROOM LAYOUTS

1 — 1/2" = 1'-0"
Accessible Single Occ Bathroom Plan

SINGLE OCC RESTROOM

SCALE: 1/4" = 1'-0" 1

Plot by/Date/Time: Bernie May 6, 2019

REVISIONS	BY
1	
2	
3	
4	
5	
6	

CLASS
LEASING LLC
1320 W. Oleander Ave. Perris, CA 92571-7408
VOICE (951)943-1908 FAX (951)943-5768

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS FLS — SS
DATE MAY 09 2019

ENGINEER

AOR
Manny D. Frisch
No. S3380
5/8/2019

SHEET TITLE:
ALTERATION TO STOCKPILE

DATE:
05-06-2019

DRAWN BY:
Bernie P.

SCALE:
AS SHOWN

JOB:

ALT-02

ADDENDUM

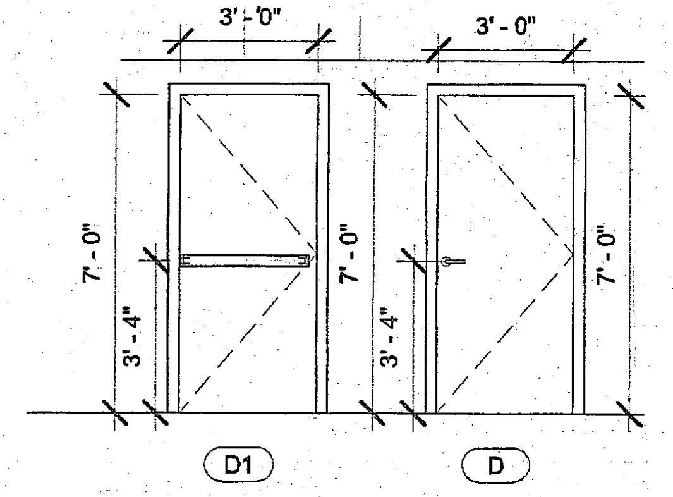
REVISIONS	BY
1	
2	
3	
4	
5	
6	

CLASS LEASING LLC

1320 W. Oleander Ave. Perris, CA 92571-7408
VOICE (951)943-1908 FAX (951)943-5768

Door Schedule

Mark	Type	Width	Height	Door Material	Frame Type	Wall Thickness	Hardware
1	D1	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	5 1/4"	HW1
2	D	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	5 1/4"	HW2



1. ALL DOORS SHALL COMPLY WITH CBC SECTION 11B-404 AND BE 1 3/4" THK (UNO)

2. CENTER ALL DOOR LEVERS FOR ACCESS AND LOCKING @ 40" ABOVE FINISH FLOOR. ALL HARDWARE SHALL OPEN FROM THE INTERIOR AND NOT REQUIRE ANY SPECIFIC KNOWLEDGE OF THE HARDWARE OR REQUIRE ANY SPECIAL EFFORT FOR EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE FACE OF THE DOOR TO PREVENT CATCHING ON THE CLOTHING (etc.) OF PERSONS DURING EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL EXTEND AT A MINIMUM OF ONE-HALF THE DOOR WIDTH.

3. PER CBC 1008.1.10 FOR ANY ROOM CONFIGURATION WHICH PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE AND COMPLY WITH ALL REQUIREMENTS OF SECTION 11B-309 OF THE CBC. ALL HARDWARE SHALL COMPLY WITH HARDWARE SCHEDULE THIS SHEET.

4. PER CBC 11B-309.4 THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAX.

5. PER CBC 11B-404.2.8.2 DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSE POSITION IN 1.5 SECONDS MINIMUM. ALL CLOSER MUST COMPLY WITH CBC 11B-404.2.8.1 - DOOR CLOSER AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS OR LESS.

6. THE MAXIMUM AREA OF EXTERIOR WALL OPENING PER CBC TABLE 705.8 AND THE FIRE PROTECTION FOR EXTERIOR WALL PER CBC TABLE 602. ALL FIRE PROTECTION BASED ON THE FIRE SEPARATION DISTANCE.

7. DOOR LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.

8. (PH) ON PLANS THE SHEET INDICATES REQUIRED PANIC HARDWARE.

9. PROVIDE EXIT SIGNS AS REQUIRED PER CBC SECTION 1013.4. SEE DETAILS PER A0.2

10. ALL EXIT DOORS SHALL BE OPENABLE FROM INSIDE W/O ANY USE OF SPECIAL TOOLS, KNOWLEDGE OR EFFORT.

HARDWARE SCHEDULE

DOOR w/ PANIC HARDWARE:		**EXTERIOR DOOR HW-1**
EXIT DEVICE	VON DUPRIN 99L-2 w/ SCHLAGE RIM (cylindrical)	Finish Alum or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
CLOSER	NORTON 8501 BFDA	Finish 689 or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD	HAGER 413SA 36	Finish Alum or equal
DOOR BOTTC	HAGER 783SAV 35N	Finish Alum or equal
DEMISING:		**EXTERIOR DOOR HW-2**
LOCKSET	SCHLAGE ND75PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal

NOTE: ALL CLASSROOM DOORS SHALL BE LOCKABLE FROM INSIDE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118435
ACS FLS — SS
DATE MAY 09 2019

ENGINEER

AOR

MANNY D. FRISCH
No. S3380
STRUCTURAL
5/8/2019

SHEET TITLE:

INTERIOR ELEVATIONS

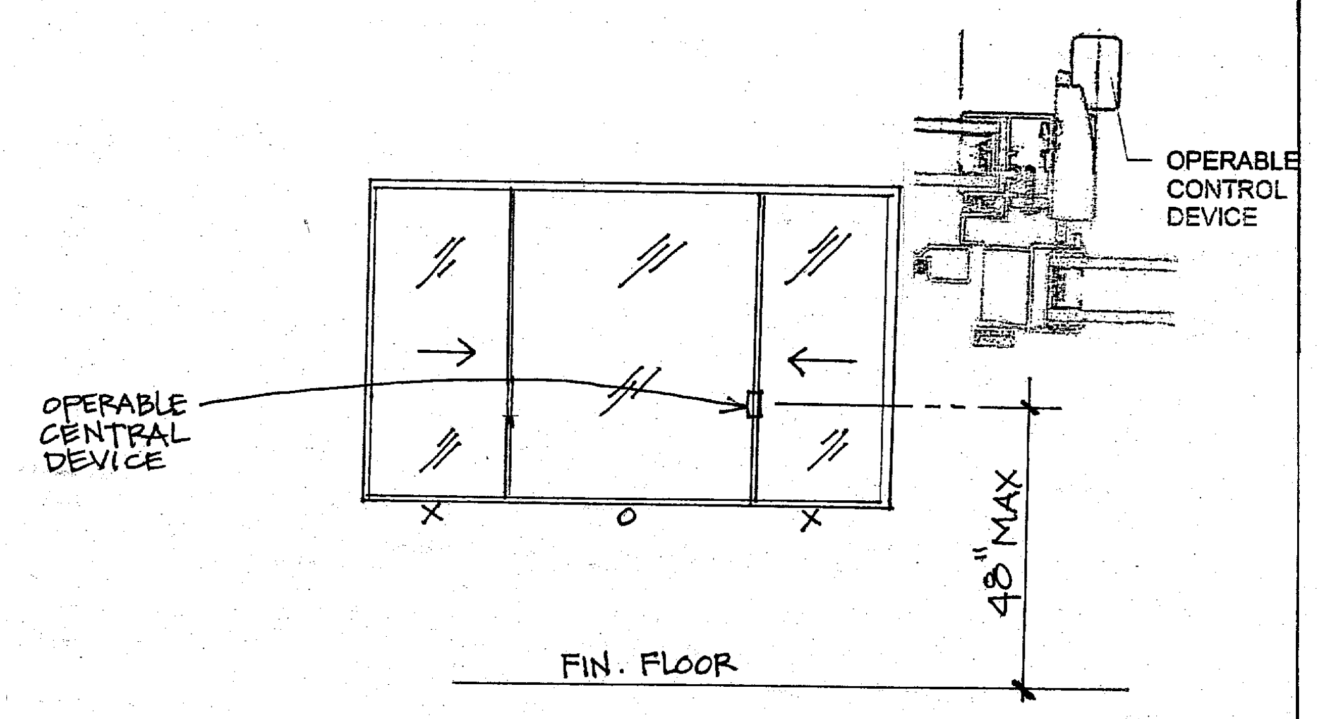
DATE:

DRAWN BY:
05-06-2019

SCALE:
Bernnie P.

JOB:
AS SHOWN

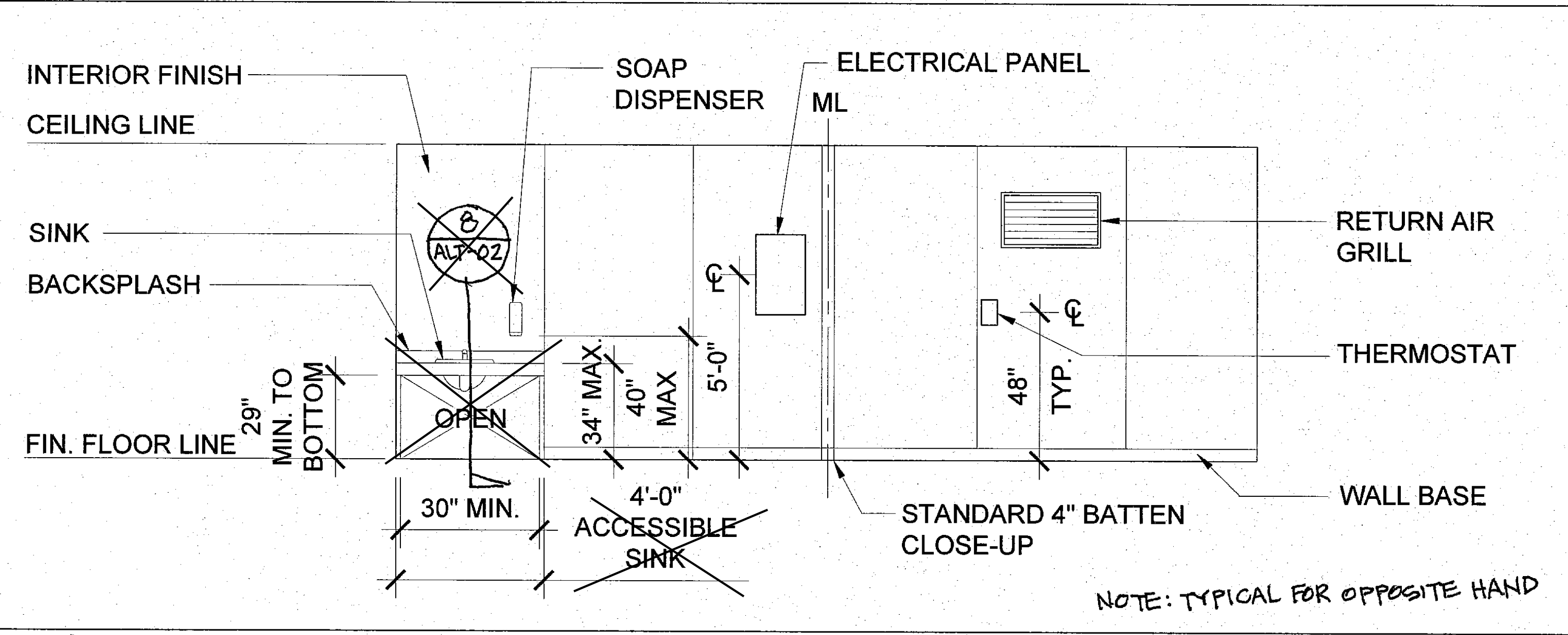
ALT-03



EXT WDW ELEV

SCALE NTS

B



NOTE: TYPICAL FOR OPPOSITE HAND

REF.: DSA A# 02-111652

ELEVATION

SCALE: 1/4" = 1'-0"

A

ADDENDUM

Plot by/Date/Time : Bernnie May 6, 2019

M:\2020\22116 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REVIT\RST#22116 - Aries, Ramps and Stairs PC.rvt

6/15/2021 7:29:24 PM

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020

LIST OF APPLICABLE CODES

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARD CODE (CALGREEEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

*CALIFORNIA ADMINISTRATIVE CODE, PART1, CHAPTER 10, ADMINISTRATIVE REGULATIONS FOR THE CALIFORNIA ENERGY COMMISSION (CEC)

GENERAL NOTES

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATION SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT(CCD) BY DSA AS REQUIRED BY SECTION 4-338 PART1, TITLE 24, CCR

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT(OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. DUTIES OF INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1 TITLE 24, CCR

COMPLETE ACCESS IS A DIVISION OF INTEGRATED STAIR SYSTEMS INC. WITH CORPORATE OFFICES LOCATED IN 1345 RYAN RD, BUCKLEY, WA 98321, (360) 829-4220

DESIGN LOADS

LIVE LOAD:	100 PSF (4.8 kPa)
HANDRAIL IMPACT:	200 LBS (0.9kN)
HANDRAIL DIST. LOAD:	50 PLF (0.7 kN/m)
RISK CATAGORY:	III
SEISMIC:	Ss=2.80g, S1=1.99g, R=1.25, SITE CLASS D
LATERAL RESISTING SYST:	OTHER STRUCTURES SIMILAR TO BUILDINGS
WIND:	110 MPH, 3 SEC GUST EXPOSURE "C", Kzt=1.0
SEIS IMPORTANCE FACTOR:	Ie=1.25, Iw=1.0 Cs=1.493
DESIGN BASE SHEAR, V:	1493 W
SNOW LOAD:	0 PSF (0 kPa)
SOIL ALLOWABLE BEARING:	1,000 PSF (4.8 kPa

MATERIALS

SQUARE STEEL TUBE	ASTM A513 GR. C	Fy= 33 KSI (345 MPa
RAMP OVERHANG POST	ASTM A500 B	Fy= 46 KSI

*ALL STEEL TO BE COATED WITH GALVANIZED RUST INHIBITING COATING

WOOD FOUNDATION SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESSURE TREATED HEM-FIR #2 AND IS ALLOWED TO REST DIRECTLY ON SOIL OR PAVEMENT.

WELDS

WELDING SHALL BE IN ACCORDANCE WITH AWS D.1.1-10 USING E70XX ELECTRODES FOR STEEL
AND AWS D1.2 AND A5.10 FOR ALUMINUM, USING ALMIGWELD ER4043

BOLTS, SCREWS AND NAILS

STEEL TO STEEL CONNECTIONS: ASTM A307 CARBON STEEL BOLTS SHALL BE GRADE 5 ZINC PLATED, HOT DIPPED GALVANIZED TO ASTM A153 OR ELECTROGALVANIZED TO ASTM B63.3. FASTENER SHALL BE LUBRICATED TO ELIMINATE GALLING. ALL STEEL MEMBERS IN CONTACT WITH ALUMINIUM SHALL BE ZINC COATED TO ELIMINATE GALVANIC REACTION.

STEEL TO STEEL & WOOD CONNECTIONS: ANSI/ASME STEEL LAG SCREWS, STEEL STANDARD WOOD SCREWS, WOOD TO WOOD CONNECTION: ASTM STANDARD COMMOM STEEL NAIL.

ITW RED HEAD CONCRETE WEDGE ANCHORS SHALL BE INSTALLED PER RECOMMENDATION SHOWN IN ESR-2427

HANDRAIL NOTES:

1) MANEUVERING CLEARANCE ON EXTERIOR PULL SIDE OF DOOR SHALL BE 42" TYPICAL (610MM) MINIMUM WITH 60" (1524MM) MINIMUM LANDING IN FRONT OF DOOR.

2) HANDRAILS SHALL BE CONTINUOUS ALONG BOTH SIDES. HANDRAILS SHALL BE PARALLEL WITH THE SURFACE AND PROJECT 12" (301MM) ON BEYOND TOP OF RISER AND 12" (301MM) PLUS 1 TREAD AT BOTTOM RISER. AT RAMPS WHERE HANDRAIL ARE NOT CONTINUOUS BETWEEN RUNS THE HANDRAIL SHALL EXTEND HORIZONTALLY ABOVE THE LANDING 12" (301MM) MINIMUM BEYOND THE BEGINNING AND ENDING OF RAMPS

3) TOP OF HANDRAILS SHALL BE MOUNTED BETWEEN 34" (864MM) AND 38" (965MM) ABOVE THE WALKING SURFACE, ONE CONSISTENT HEIGHT, BEIGINNING TO END.

4) CLEARANCE BETWEEN HANDRAIL AND WALL SHALL BE A MINIMUM OF 1-1/2" (38MM).

5) GUARDS ARE TO BE DESIGNED FOR A CONCENTRATED LOAD OF 200 LBF (0.9 kN) APPLIED @ ANY POINT AND ANY DIRECTION ALONG THE RAIL OR A UNIFORM LOAD OF 50 PLF (0.7 kN/m) APPLIED HORIZONTALLY @ HANDRAIL HEIGHT.

7) HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF 1-1/4" (31.75MM) MINIMUM AND NOT GREATER THAN 2" (51MM) MAXIMUM. **11B-505.7.2** NON-CIRCULAR CROSS SECTIONS. HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES (102 MM) MINIMUM AND 6¼ INCHES (159 MM) MAXIMUM, AND A CROSS-SECTION DIMENSION OF 2 ¼ INCHES (57 MM) MAXIMUM.

8) GRIPPING SURFACE SHALL BE CONTINUOUS ALONG THIER LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES.

9) HANDRAILS SHALL NOT ROTATE IN THEIR FITTINGS.

10) ENDS OF HANDRAILS SHALL RETURN SMOOTHLY TO FLOOR, WALL OR POST.

1 *1 1/2" = 1'-0"*
Notes

RAMP NOTES

1) RAMPS SHALL CONFORM TO CBC 2022 TITLE 24 PART 2, CHAPTER 11B, 11B-405

2) RAMP SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8% SLOPE) FOR A MAXIMUM RISE OF 30" (762MM)

3) THE MAXIMUM VERTICAL RISE OF RAMP RUN SHALL BE 30" (762MM) MAXIMUM

4) RAMPS SHALL HAVE LANDING AT BOTTOM AND TOP OF EACH RAMP RUN

5) THE SLOPE ON LANDINGS SHALL NOT BE STEEPER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION

6) LANDING SHALL HAVE A WIDTH AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING AND A MINIMUM LENGTH OF 60" IN THE DIRECTION OF TRAVEL @ TOP LANDING - 72" MIN @ BOT LANDING

7) CHANGES IN DIRECTION OF TRAVEL SHALL HAVE A LANDING 60" WIDE BY 72" LONG (1524MM x 1829MM) MINIMUM, WITH WITH THE LENGTH BEING IN THE DIRCTION OF DOWNWARD TRAVEL AND CHANGES IN DIRECTION

8) MANEUVERING CLEARANCE ON LANDING ADJACENT TO DOORWAYS SHALL BE NO LESS THAN 42" WITH DOOR IN ANY POSITION AND SHALL NOT BE REDUCED BY MORE THAN 3" WHEN DOOR IS FULLY OPENED

9) WALKING SURFACE SHALL BE ROUGHED OR SHALL BE OF SLIP RESISTANT DIAMOND PLATE ALUMINUM AND ALL LANDINGS TO BE DESIGNED TO NOT RETAIN STANDING WATER - 2.083 MAX SLOPE ANY DIRECTION

ADDITIONAL NOTES

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR

SCOPE OF WORK

CONSTRUCTION OF RAMP AND STAIRS BUILDINGS (RELOCATABLE)

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: **School Name:** **School District:**

DSA File Number: **Increment Number:** **Date Created:**

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required **Periodic** – Indicates that a periodic special inspection is required **Test** – Indicates that a test is required	**GE (Geotechnical Engineer)** – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. **LOR (Laboratory of Record)** – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. **PI (Project Inspector) –** Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. **SI (Special Inspection)** – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect installation of post-installed anchors	**See Notes**	**SI***	**1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8** (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☐	**b.** Test post-installed anchors.	**Test**	**LOR**	**1910A.5.** (See Appendix (end of this form) for exemptions.)
	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	**Periodic**	*	**Table 1705A.2.1 Item 3a–3c.** 2202A.1**;** AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	**b.** Test unidentified materials	**Test**	**LOR**	**2202A.1.**
☑	**c.** Examine seam welds of HSS shapes	**Periodic**	**SI**	DSA IR 17-3.
☑	**d.** Verify and document steel fabrication per DSA-approved construction documents.	**Periodic**	**SI**	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).
	S/A3. WELDING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	**Periodic**	**SI**	**1705A.2.5, Table 1705A.2.1 Items 4 & 5**; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	**b.** Verify weld filler material manufacturer's certificate of compliance.	**Periodic**	**SI**	DSA IR 17-3.
☑	**c.** Verify WPS, welder qualifications and equipment.	**Periodic**	**SI**	DSA IR 17-3.
	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	**b.** Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	**c.** Inspect welding of stairs and railing systems.	**Periodic**	**SI**	**1705A.2.1**; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291

2. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSE ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING.

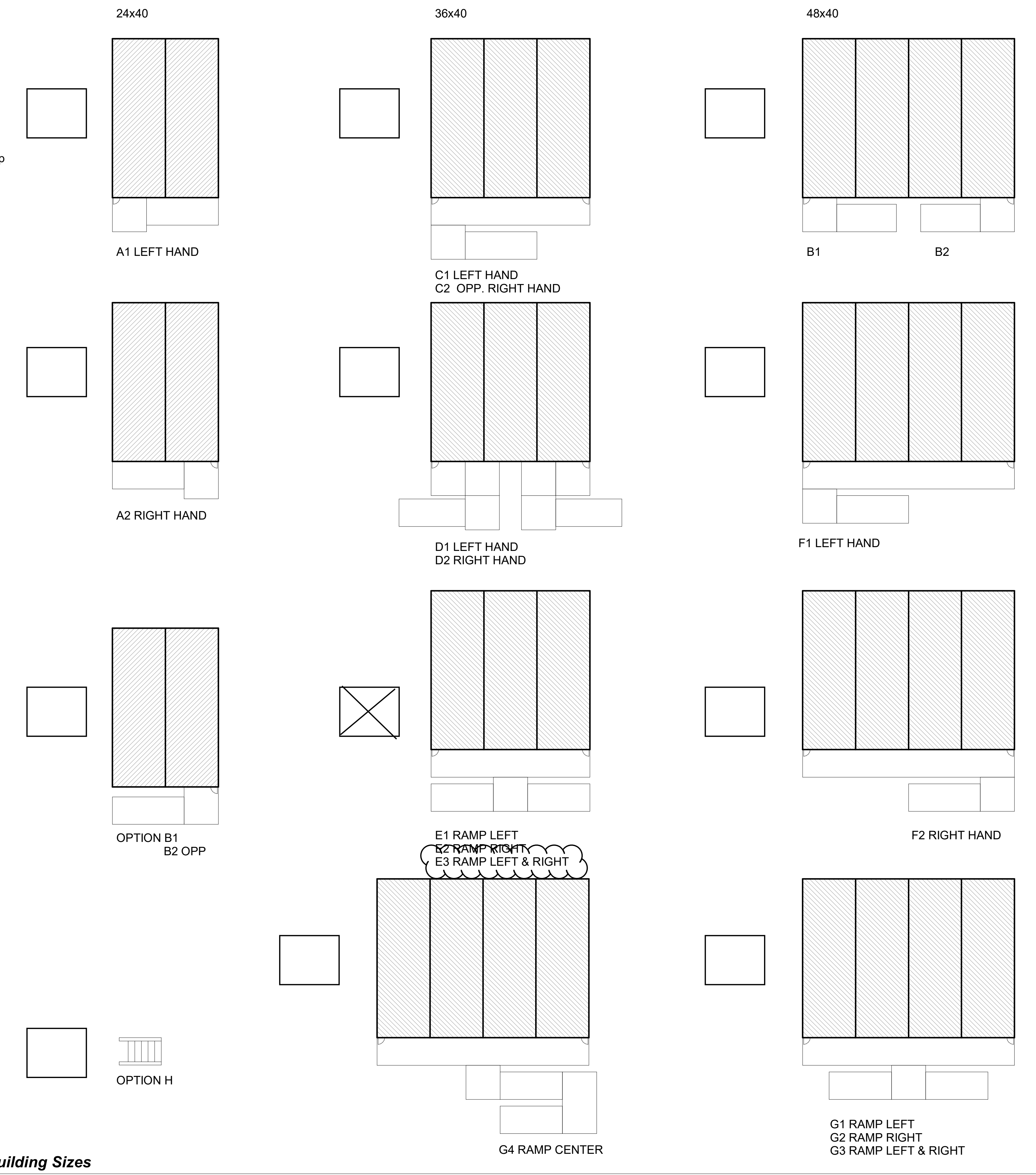
Ramp Option Schedule:

option1 : ramp & landing @ building
(plan view 1/SR1)

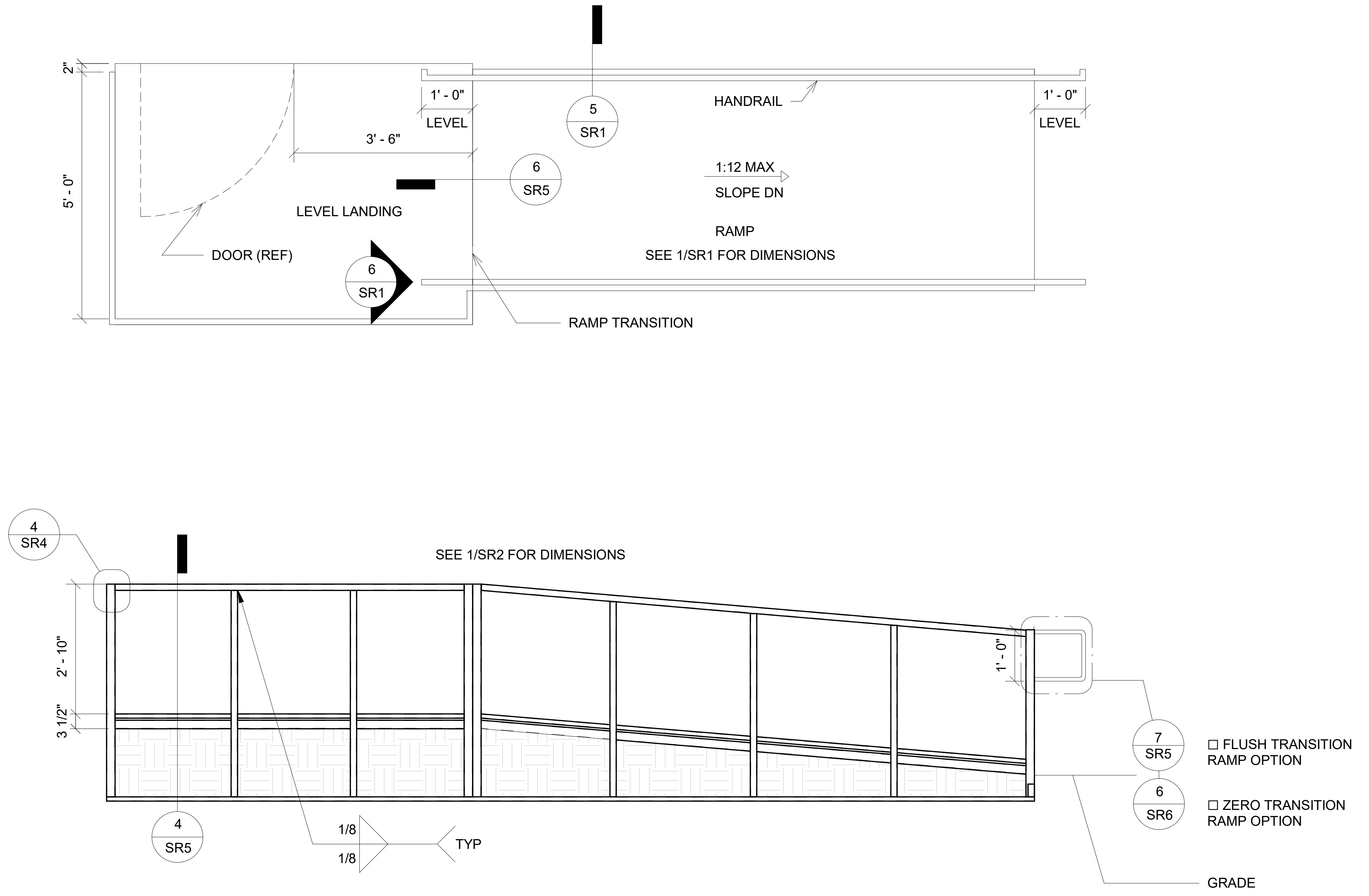
option 2 : ramp and landing with offset ramp
(plan view 2/SR1)

option 3: ramp and platform landing
(plan view 3/SR1)

option 4 : ramp and landing with switch back ramp
(plan view 4/SR1)



2 ***Ramps Options w/ Different Building Sizes***



3 *1/2" = 1'-0"*
Standard Ramp

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3380
Exp. 03/31/24
07/24/23

Manny D. Frisch

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

Class Leasing
1320 W. Oleander Ave. Perris CA 92571-7408
VOICE (951) 943-1908FAXFax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121419 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/19/2023

Revision Schedule

#	Description	Date22079

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Module Plan and Notes (COVER SHEET)

PROJECT NUMBER
22079

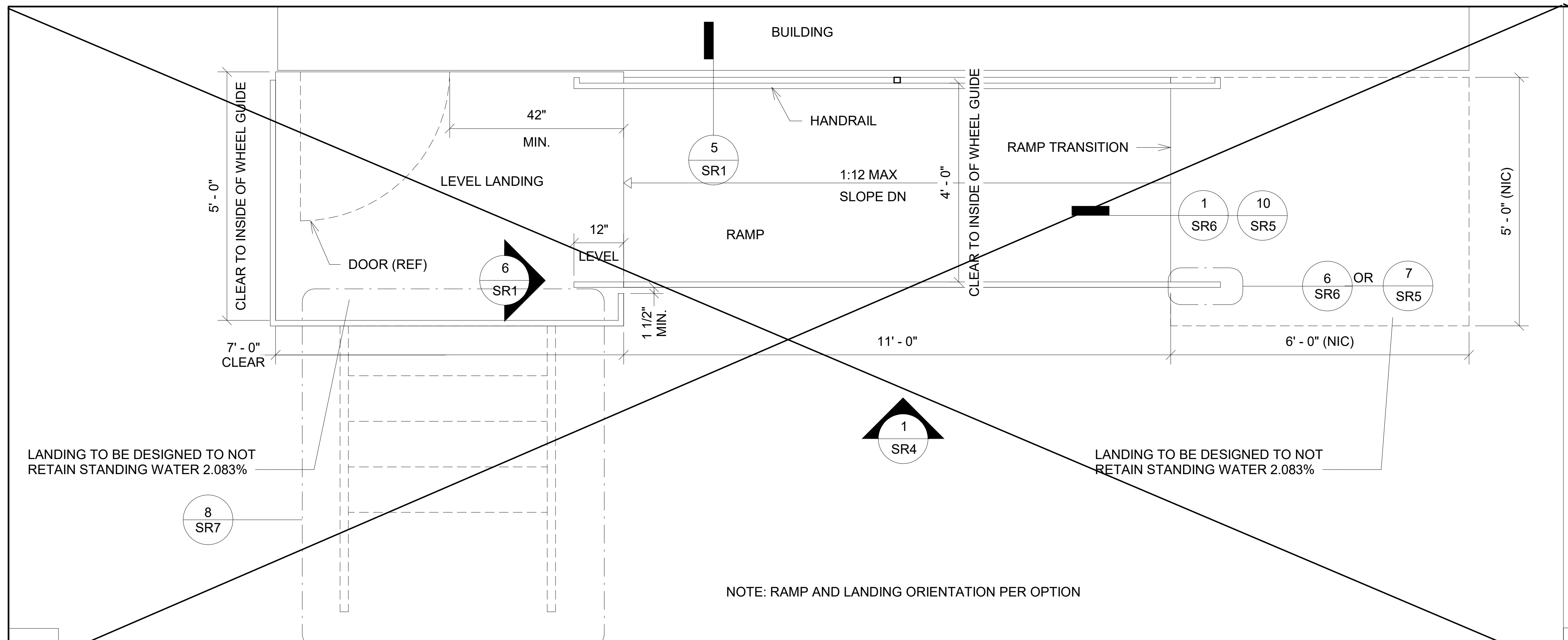
DRAWN BY
SM

CHECKED BY
rMc

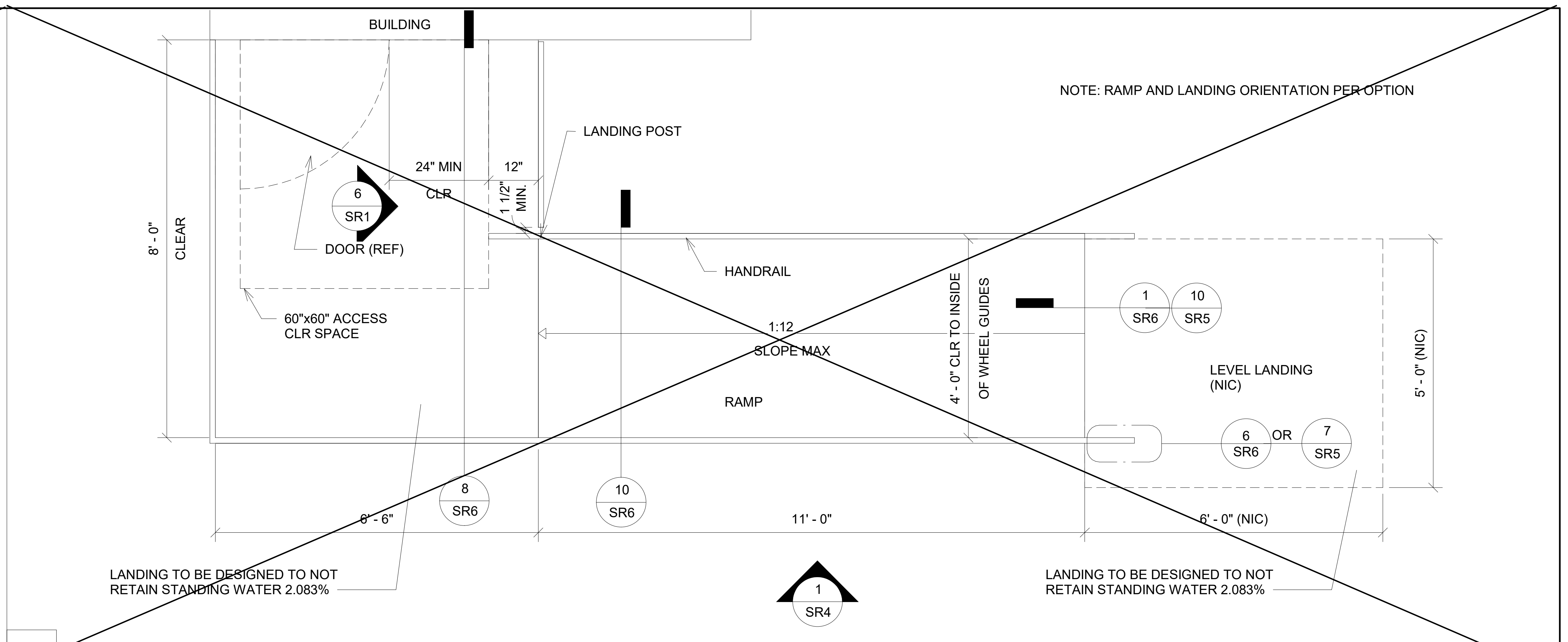
DATE
6/15/2021

SHEET NO.
SR0

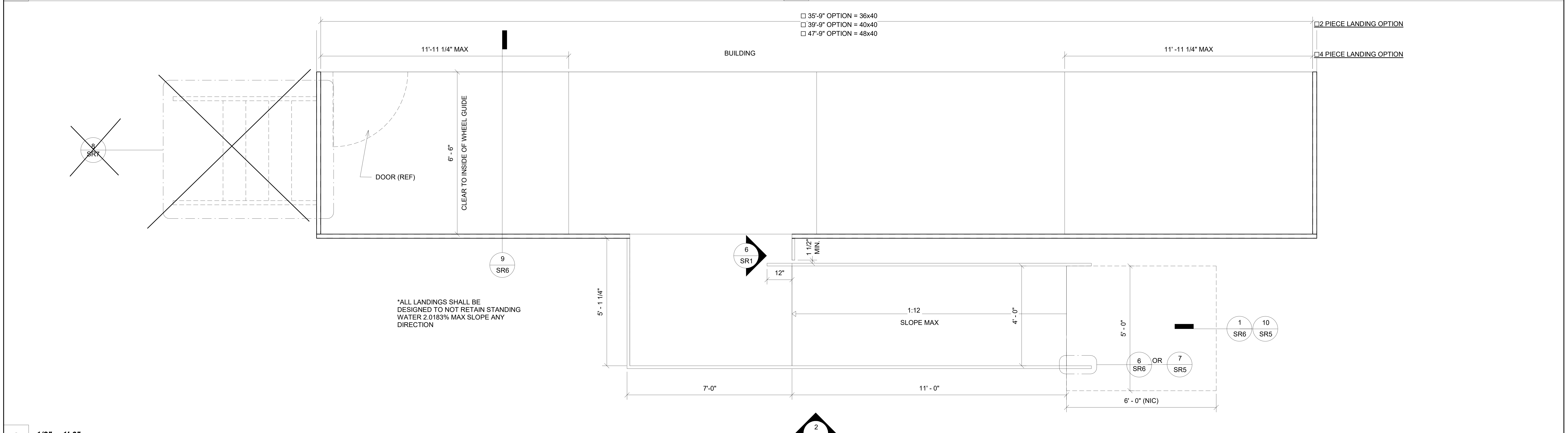
ADDENDUM



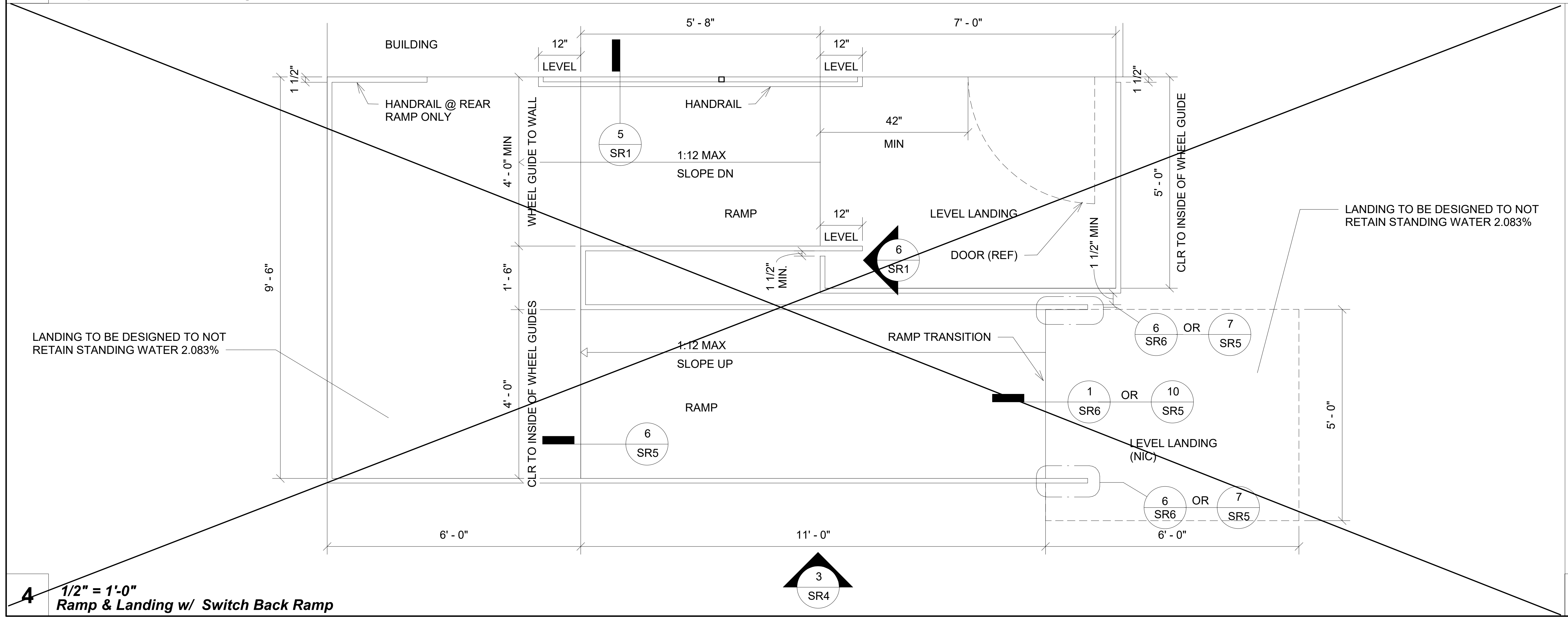
1 *1/2" = 1'-0"*
Ramp & Landing @ Building



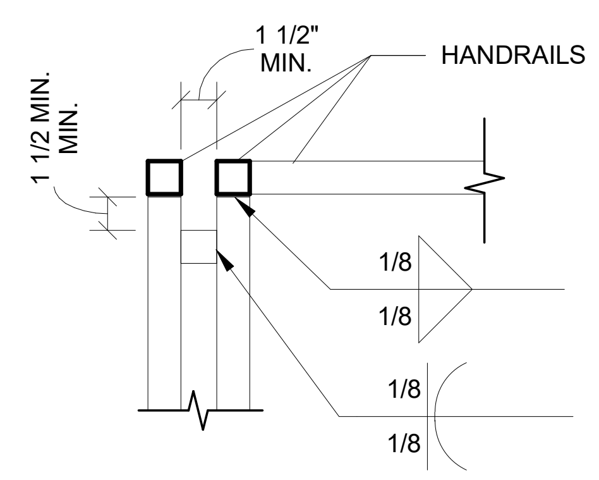
2 *1/2" = 1'-0"*
Ramp & Landing w/ Offset Ramp



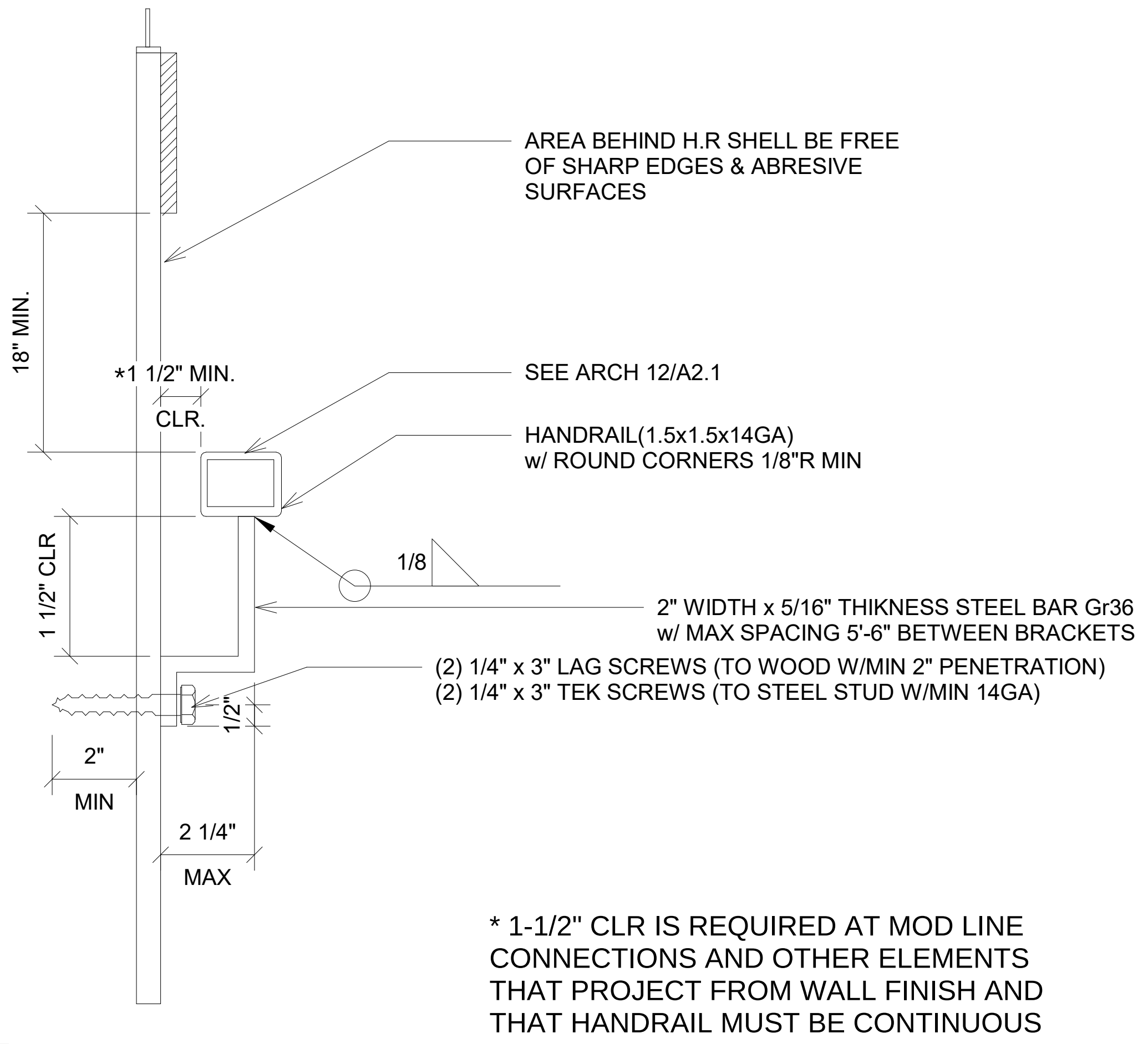
3 *1/2" = 1'-0"*
Ramp and Platform Landing



4 *1/2" = 1'-0"*
Ramp & Landing w/ Switch Back Ramp



6 *1 1/2" = 1'-0"*
RAMP & LANDING CONNECTION @ RAILS


AREA BEHIND H.R SHELL BE FREE OF SHARP EDGES & ABRESIVE SURFACES
18" MIN.
*1 1/2" MIN.
CLR.
SEE ARCH 12/A2.1
HANDRAIL(1.5x1.5x14GA) w/ ROUND CORNERS 1/8"R MIN
1/8
1 1/2" CLR
2" WIDTH x 5/16" THIKNESS STEEL BAR Gr36 w/ MAX SPACING 5'-6" BETWEEN BRACKETS
(2) 1/4" x 3" LAG SCREWS (TO WOOD W/MIN 2" PENETRATION)
(2) 1/4" x 3" TEK SCREWS (TO STEEL STUD W/MIN 14GA)
1/2"
2" MIN
2 1/4" MAX

* 1-1/2" CLR IS REQUIRED AT MOD LINE CONNECTIONS AND OTHER ELEMENTS THAT PROJECT FROM WALL FINISH AND THAT HANDRAIL MUST BE CONTINUOUS (CANNOT CURVE AROUND PROJECTION)

5 *3" = 1'-0"*
Handrail

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11590 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP

S3380
Exp. 03/31/24
07/24/23

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

Class Leasing
1320 W. Oleander Ave. Perris CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121419 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/19/2023

Revision Schedule

#	Description	Date

22079

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp and Landing Plan

PROJECT NUMBER
22079

DRAWN BY
SM

CHECKED BY
rMc

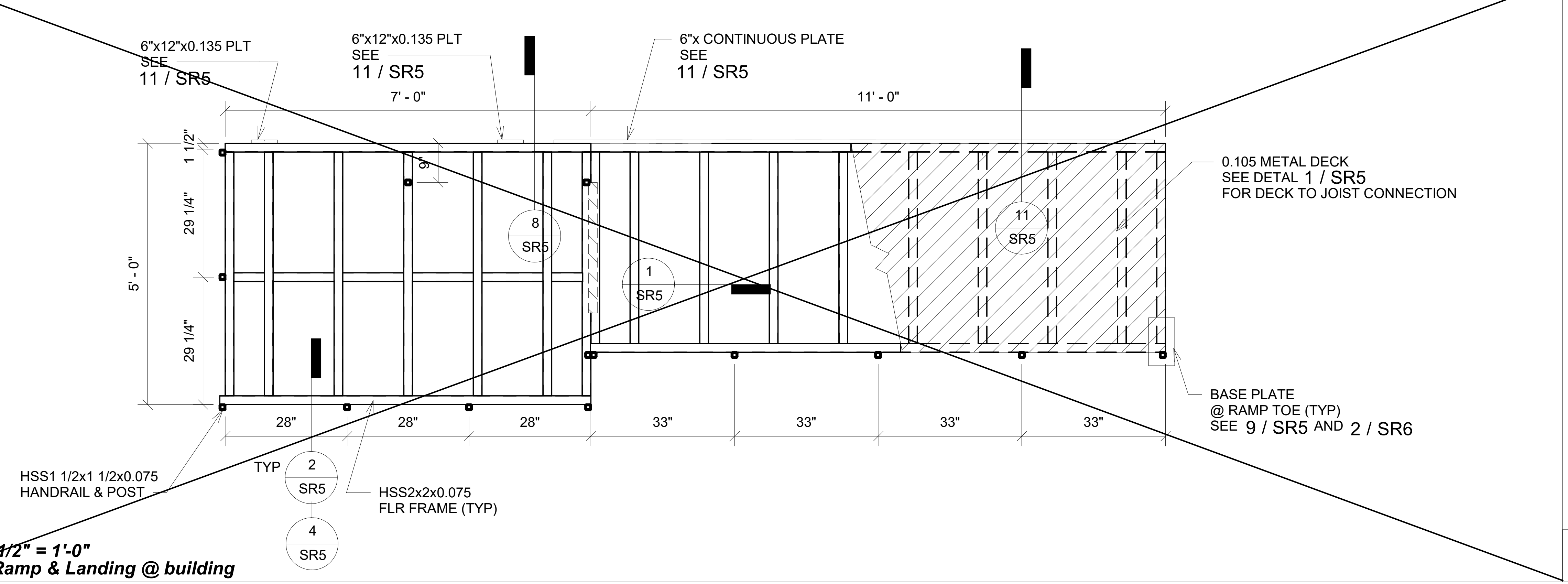
DATE
12/23/2022

SHEET NO.
SR1

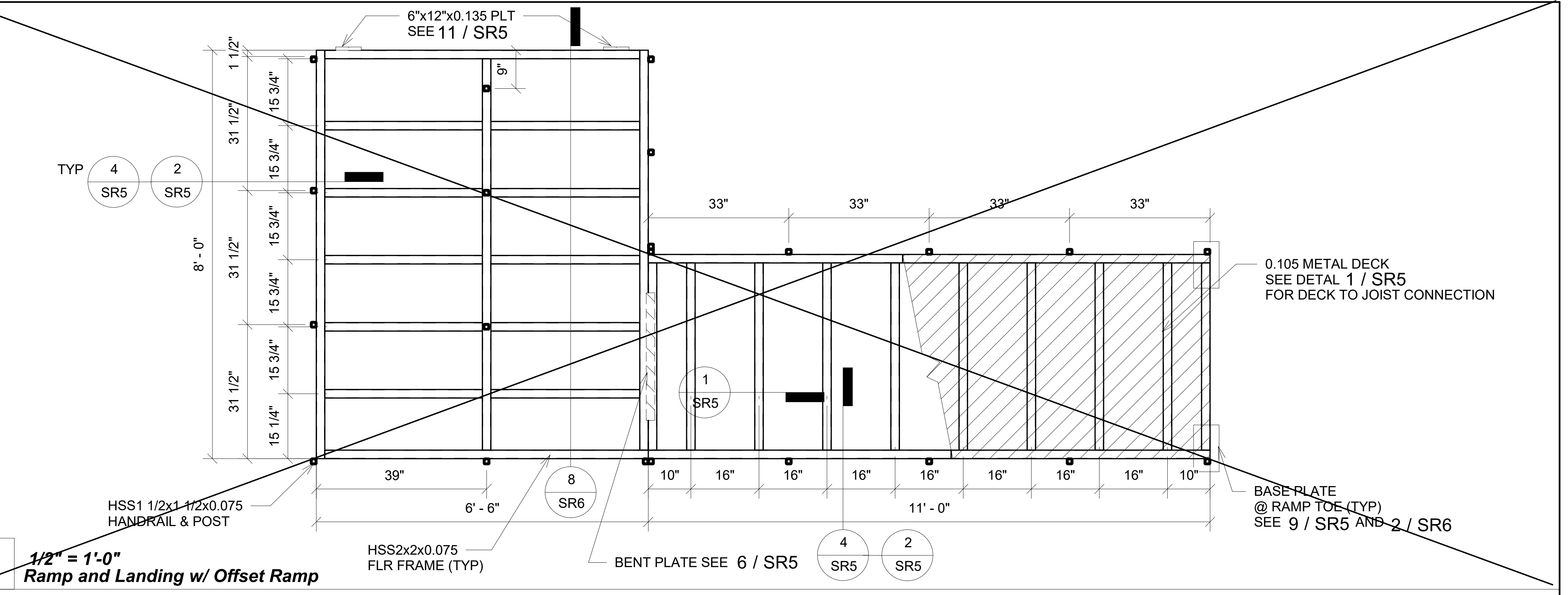
ADDENDUM

M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REVIT\RST#20093 - Aries, Ramps and Stairs PC.rvt

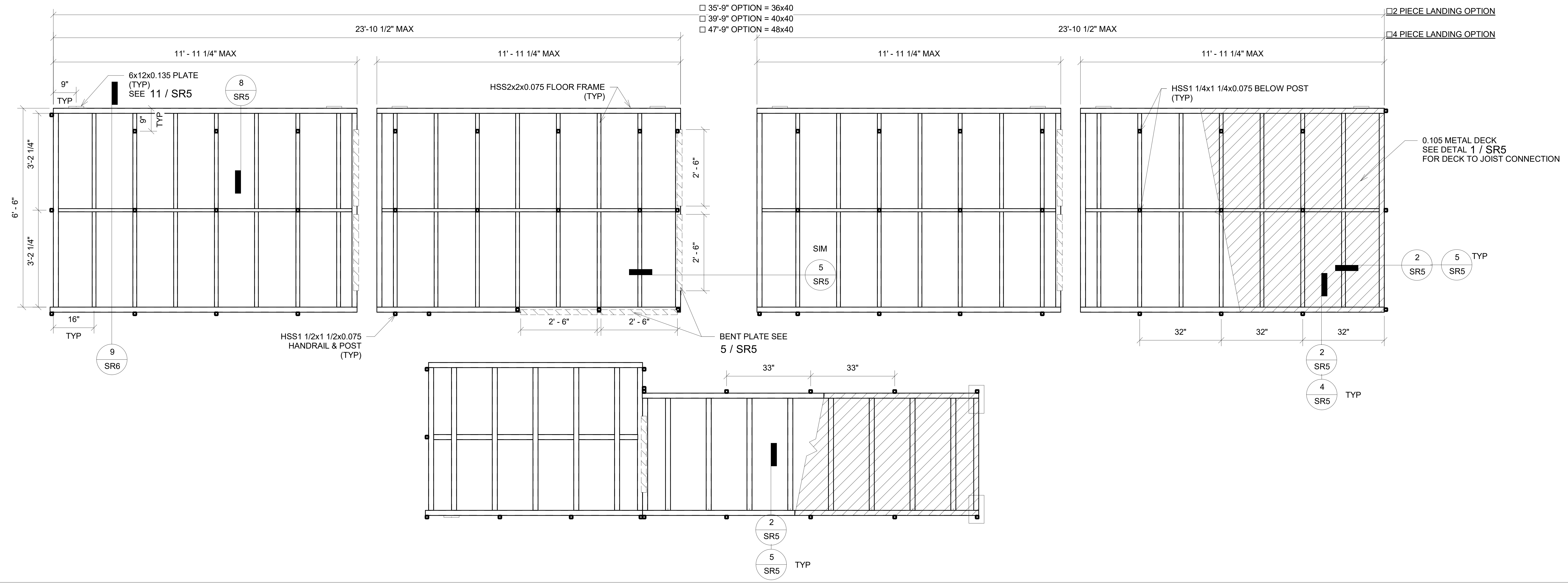
6/15/2021 7:29:25 PM


6"x12"x0.135 PLT SEE 11 / SR5
6"x12"x0.135 PLT SEE 11 / SR5
6"x CONTINUOUS PLATE SEE 11 / SR5
7' - 0"
11' - 0"
0.105 METAL DECK SEE DETAL 1 / SR5 FOR DECK TO JOIST CONNECTION
1 1/2"
29 1/4"
5' - 0"
29 1/4"
9"
8 SR5
1 SR5
11 SR5
BASE PLATE @ RAMP TOE (TYP) SEE 9 / SR5 AND 2 / SR6
28"
28"
28"
33"
33"
33"
33"
HSS1 1/2x1 1/2x0.075 HANDRAIL & POST
TYP 2 SR5
4 SR5
HSS2x2x0.075 FLR FRAME (TYP)

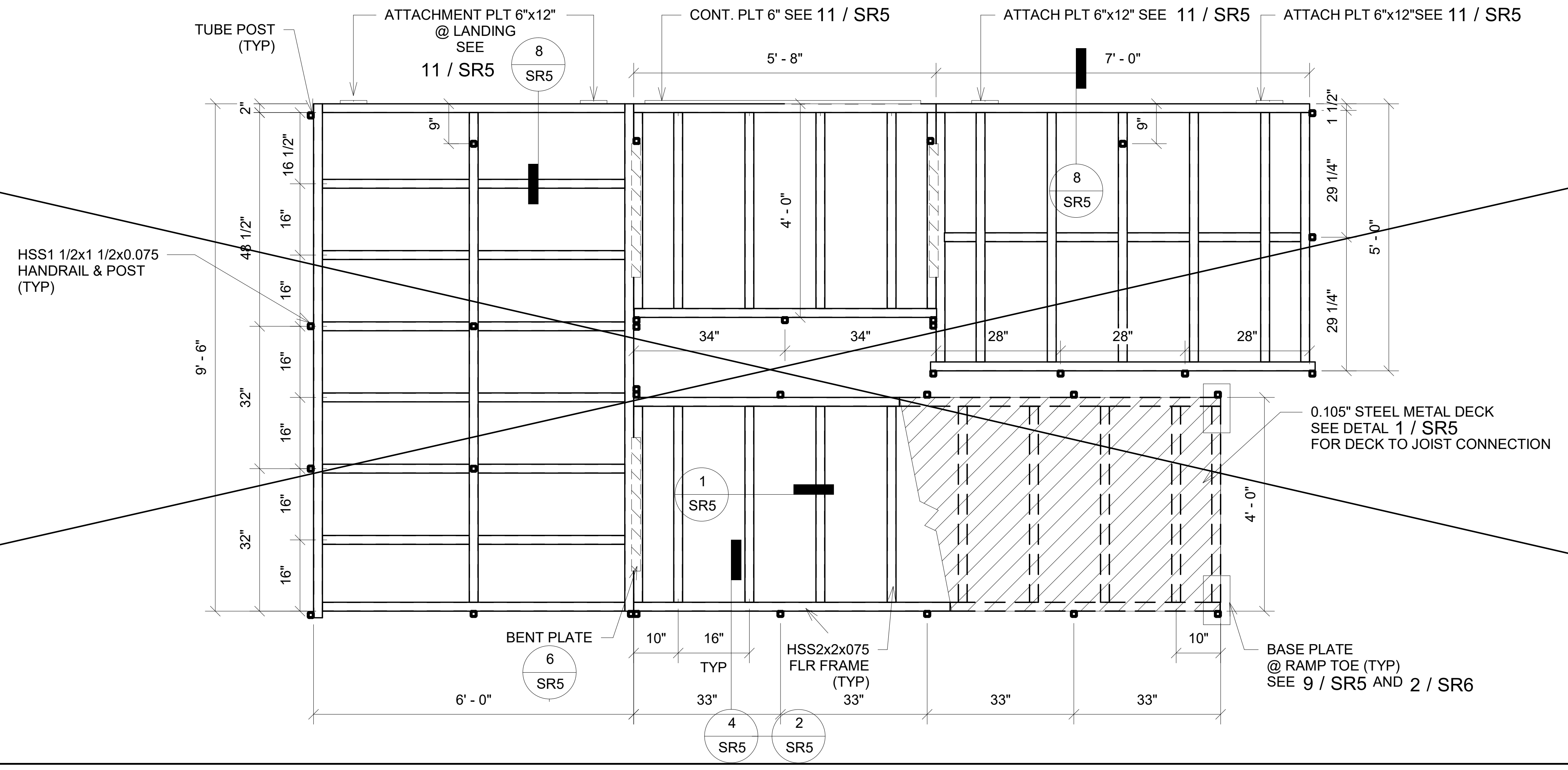
1 1/2" = 1'-0"
Ramp & Landing @ building


6"x12"x0.135 PLT SEE 11 / SR5
1 1/2"
31 1/2"
15 3/4"
15 3/4"
8' - 0"
31 1/2"
15 3/4"
15 3/4"
31 1/2"
15 3/4"
15 1/4"
9"
TYP 4 SR5
2 SR5
33"
33"
33"
33"
0.105 METAL DECK SEE DETAL 1 / SR5 FOR DECK TO JOIST CONNECTION
1 SR5
39"
8 SR6
10"
16"
16"
16"
16"
16"
16"
10"
6' - 6"
11' - 0"
HSS1 1/2x1 1/2x0.075 HANDRAIL & POST
HSS2x2x0.075 FLR FRAME (TYP)
BENT PLATE SEE 6 / SR5
4 SR5
2 SR5
BASE PLATE @ RAMP TOE (TYP) SEE 9 / SR5 AND 2 / SR6

2 1/2" = 1'-0"
Ramp and Landing w/ Offset Ramp



3 1/2" = 1'-0"
Ramp & Platform Landing Frame


TUBE POST (TYP)
ATTACHMENT PLT 6"x12" @ LANDING SEE 11 / SR5
8 SR5
CONT. PLT 6" SEE 11 / SR5
ATTACH PLT 6"x12" SEE 11 / SR5
ATTACH PLT 6"x12"SEE 11 / SR5
5' - 8"
7' - 0"
2"
16 1/2"
16"
48 1/2"
16"
9' - 6"
16"
32"
16"
16"
32"
16"
9"
9"
4' - 0"
8 SR5
1 1/2"
29 1/4"
5' - 0"
29 1/4"
34"
34"
28"
28"
28"
HSS1 1/2x1 1/2x0.075 HANDRAIL & POST (TYP)
0.105" STEEL METAL DECK SEE DETAL 1 / SR5 FOR DECK TO JOIST CONNECTION
1 SR5
4' - 0"
BENT PLATE 6 SR5
10"
16"
TYP
HSS2x2x075 FLR FRAME (TYP)
10"
BASE PLATE @ RAMP TOE (TYP) SEE 9 / SR5 AND 2 / SR6
6' - 0"
33"
33"
33"
33"
4 SR5
2 SR5

4 1/2" = 1'-0"
Ramp & Landing w/ Switch Back Ramp

M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REVIT\RST#20093 - Aries, Ramps and Stairs PC.rvt

6/15/2021 7:29:26 PM

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

S3380
Exp. 03/31/24
07/24/23

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

Class Leasing
1320 W. Oleander Ave. Perris CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121419 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/19/2023

Revision Schedule

#	Description	Date22079

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp and Landing Framing

PROJECT NUMBER
22079

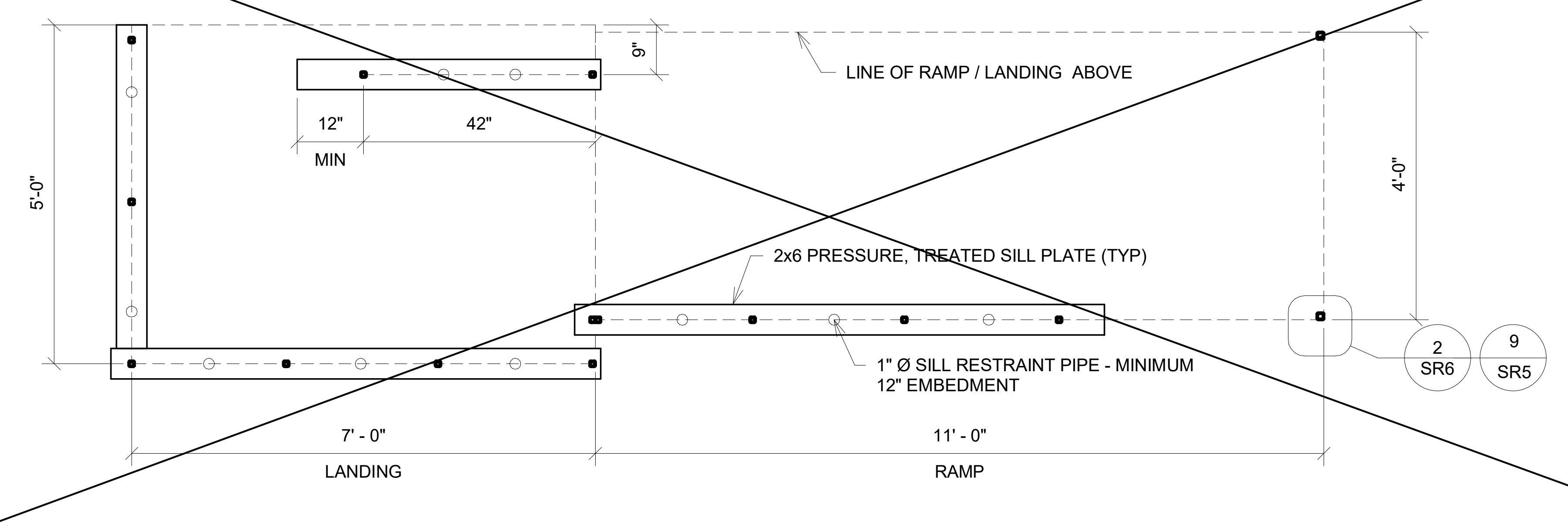
DRAWN BY
SM

CHECKED BY
BR/rMc

DATE
12/23/2022

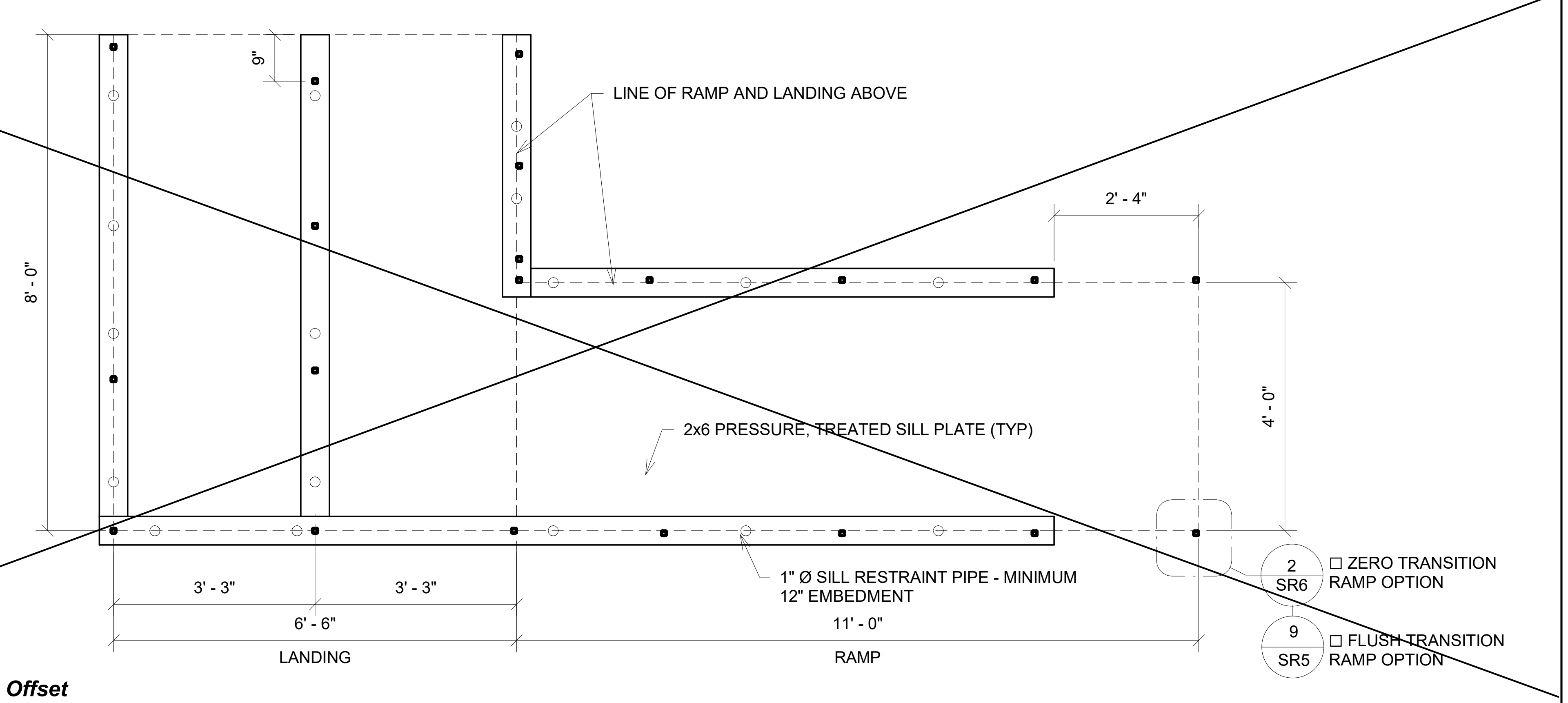
SHEET NO.
SR2

ADDENDUM



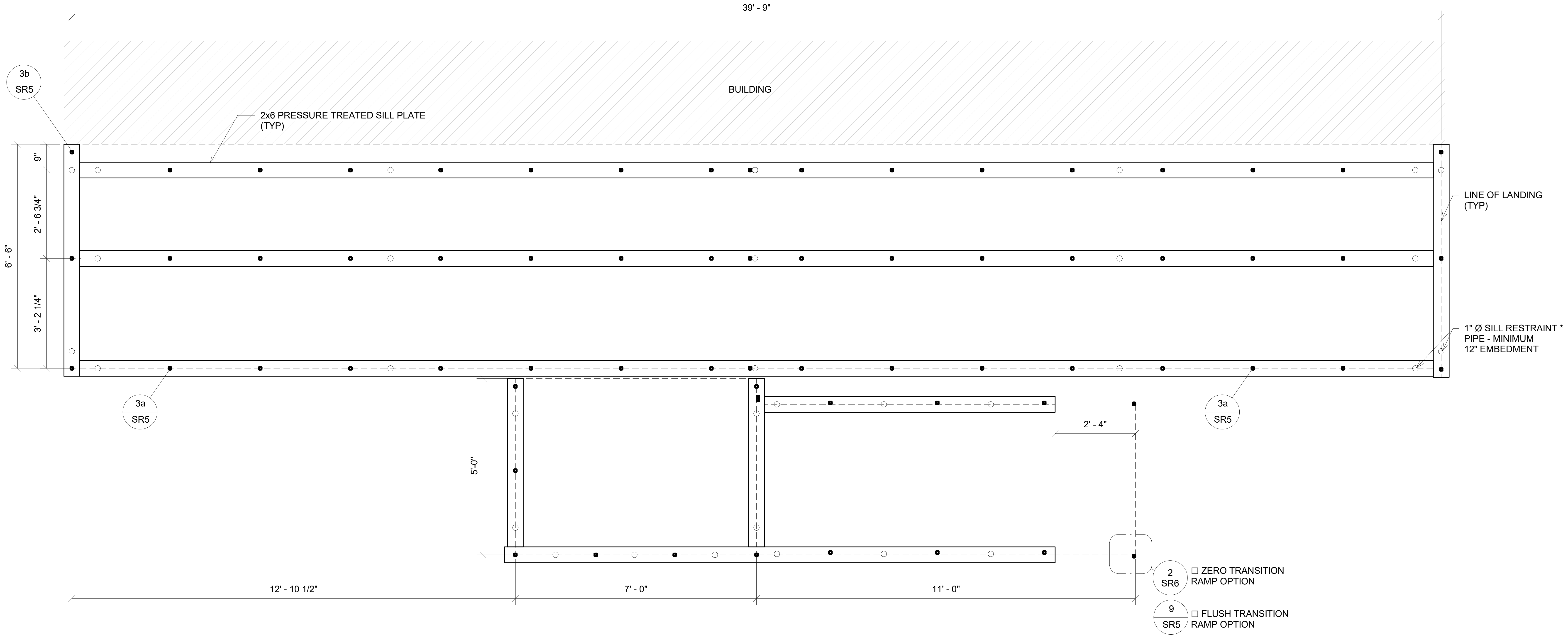
9"
LINE OF RAMP / LANDING ABOVE
12"
42"
MIN
5'-0"
4'-0"
2x6 PRESSURE, TREATED SILL PLATE (TYP)
1" Ø SILL RESTRAINT PIPE - MINIMUM 12" EMBEDMENT
2 SR6
9 SR5
7' - 0"
11' - 0"
LANDING
RAMP

1 1/2" = 1'-0"
Sill Plan For Ramp & Landing



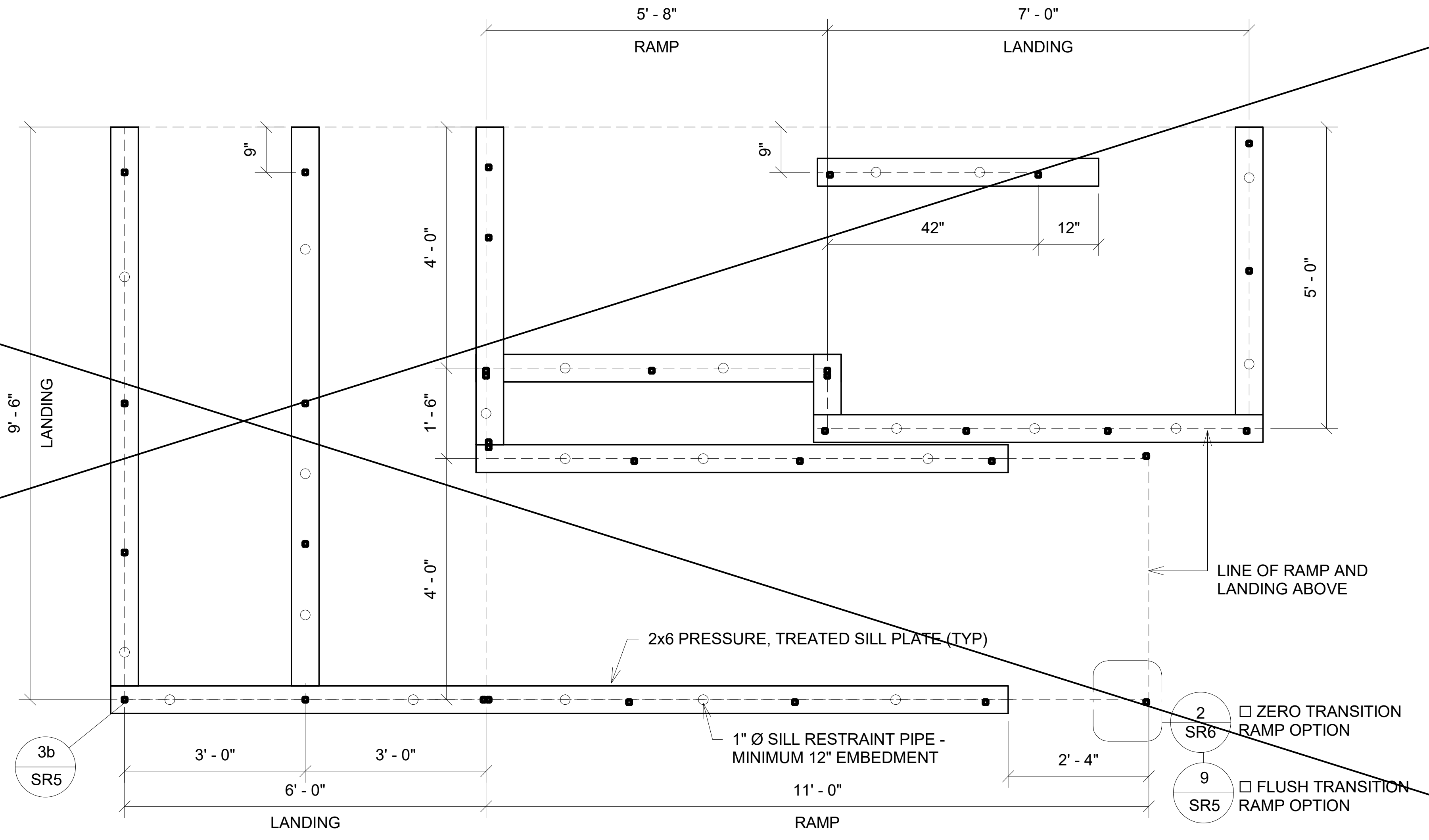
9"
LINE OF RAMP AND LANDING ABOVE
8' - 0"
2' - 4"
4' - 0"
2x6 PRESSURE, TREATED SILL PLATE (TYP)
2 SR6
☐ ZERO TRANSITION RAMP OPTION
1" Ø SILL RESTRAINT PIPE - MINIMUM 12" EMBEDMENT
3' - 3"
3' - 3"
6' - 6"
11' - 0"
LANDING
RAMP
9 SR5
☐ FLUSH TRANSITION RAMP OPTION

2 1/2" = 1'-0"
Sill Plan For Ramp & Landing Offset



39' - 9"
3b SR5
BUILDING
2x6 PRESSURE TREATED SILL PLATE (TYP)
9"
2' - 6 3/4"
6' - 6"
3' - 2 1/4"
LINE OF LANDING (TYP)
1" Ø SILL RESTRAINT * PIPE - MINIMUM 12" EMBEDMENT
3a SR5
3a SR5
2' - 4"
5'-0"
2 SR6
☐ ZERO TRANSITION RAMP OPTION
9 SR5
☐ FLUSH TRANSITION RAMP OPTION
12' - 10 1/2"
7' - 0"
11' - 0"

3 1/2" = 1'-0"
Platform Sill Plan For Ramp & Landing



5' - 8"
7' - 0"
RAMP
LANDING
9"
9"
42"
12"
4' - 0"
5' - 0"
9' - 6"
LANDING
1' - 6"
4' - 0"
LINE OF RAMP AND LANDING ABOVE
2x6 PRESSURE, TREATED SILL PLATE (TYP)
1" Ø SILL RESTRAINT PIPE - MINIMUM 12" EMBEDMENT
2 SR6
☐ ZERO TRANSITION RAMP OPTION
9 SR5
☐ FLUSH TRANSITION RAMP OPTION
3b SR5
3' - 0"
3' - 0"
6' - 0"
2' - 4"
11' - 0"
LANDING
RAMP

4 1/2" = 1'-0"
Sill Plan For Ramp & Landing Switchback

* "RESTRAINING PIPES / RODS SPECS"
ONE INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL 0.0) NOT DIPPED GALVANIZED PIPES OR ONE INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" o/c.
ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNERIN BOTH DIRECTIONS AND MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATION STRIP.
PIPES SHOULD PENETRATE INTO SOIL AND/OR PAVING A MIN. OF 12" MEASURED VERTICALLY.
PER DSA IR 16-1

M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REVIT\RST#20093 - Aries, Ramps and Stairs PC.rvt

6/15/2021 7:29:26 PM

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3380
Exp. 03/31/24
07/24/23

CLIENT

Class Leasing
1320 W. Oleander Ave. Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121419 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/19/2023

Revision Schedule

#	Description	Date

22079

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Foundation Plan

PROJECT NUMBER
22079

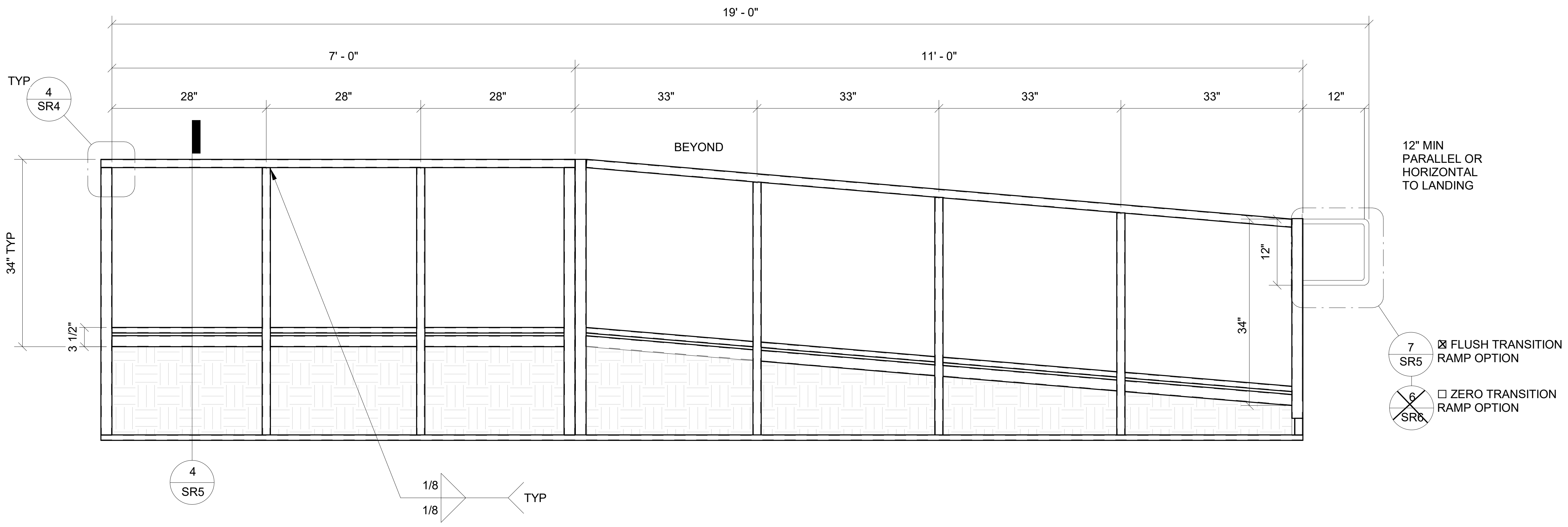
DRAWN BY
SM

CHECKED BY
rMc

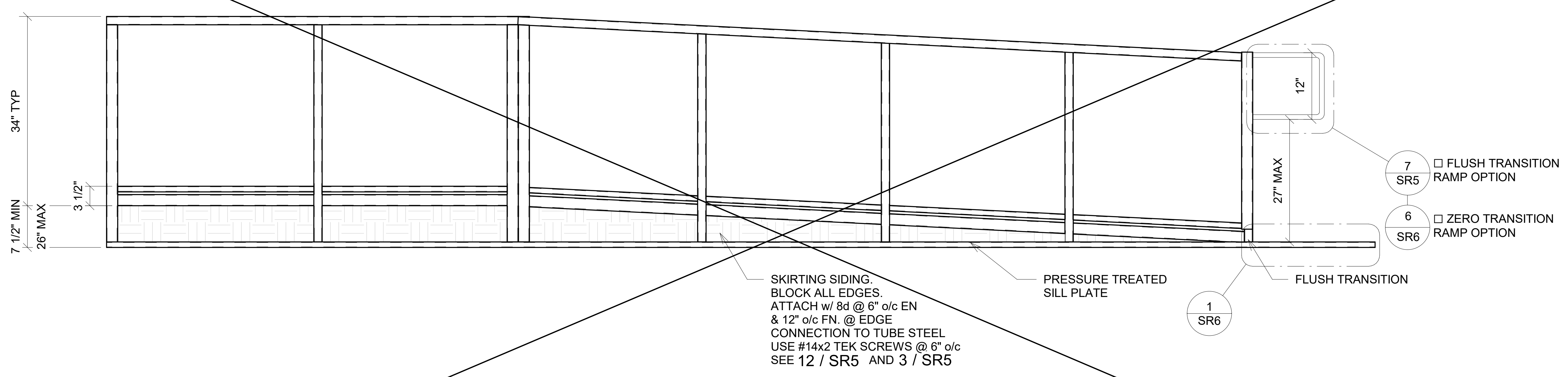
DATE
12/23/2022

SHEET NO.
SR3

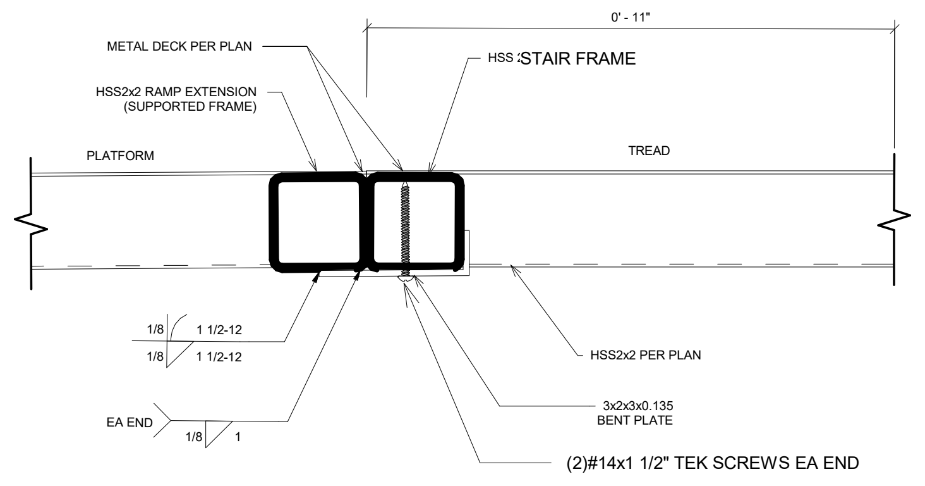
ADDENDUM



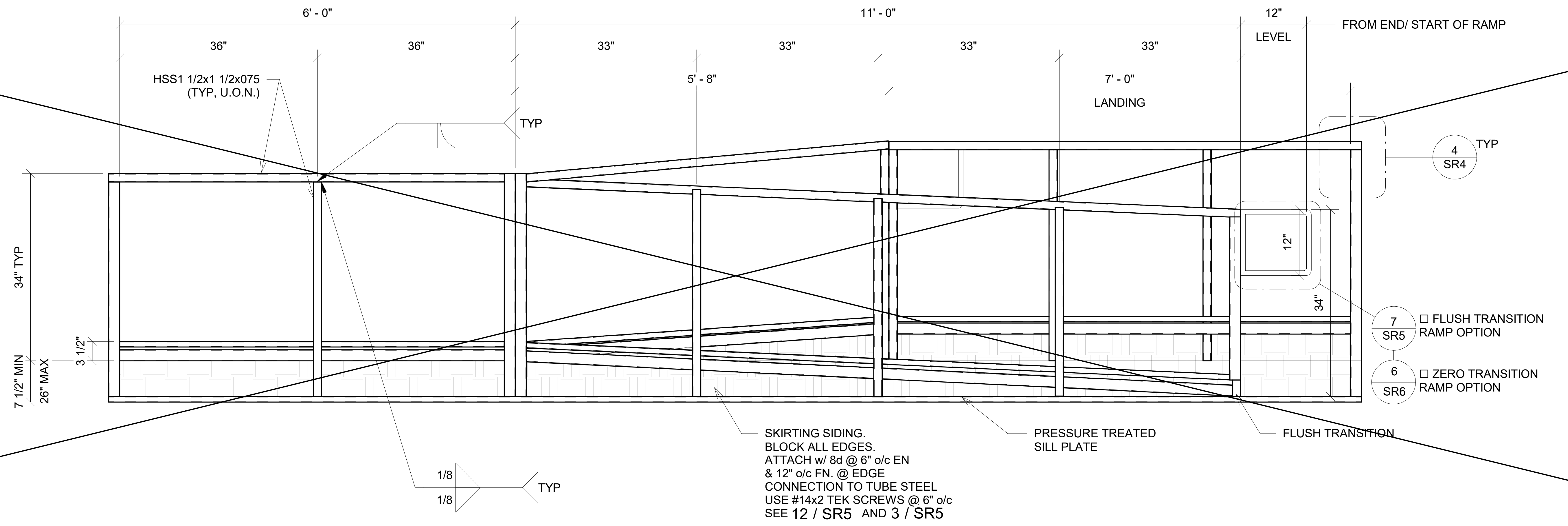
1 3/4" = 1'-0"
Ramp & Landing Elevation



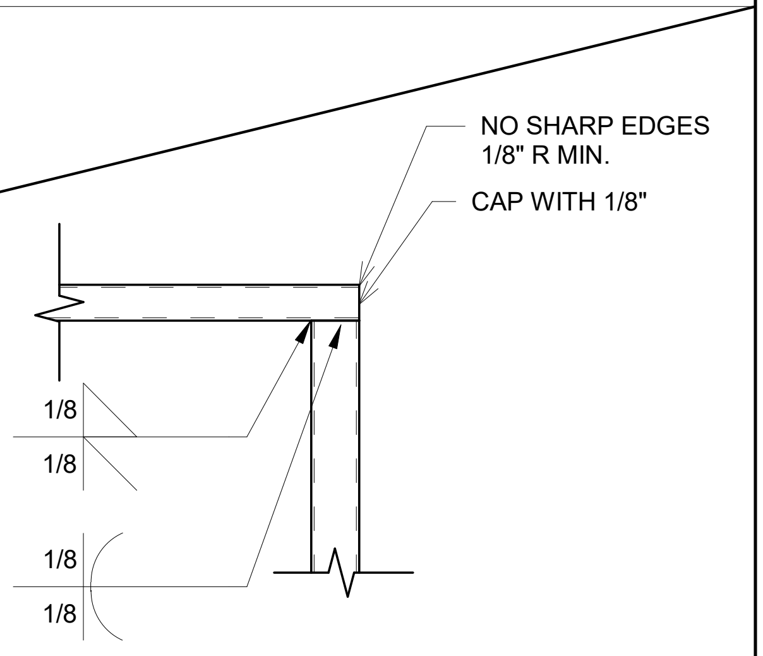
2 3/4" = 1'-0"
Ramp & Landing Elevation Option X Copy 1



5 *3" = 1'-0"*
Conn @ Platform



3 3/4" = 1'-0"
Ramp & Landing Elevation Option X



4 *1 1/2" = 1'-0"*
Ramp & Landing Elevation Option X1 - Callout 1

M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REVIT\RST#20093 - Aries, Ramps and Stairs PC.rvt

6/15/2021 7:29:27 PM

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP

Manny D. Frisch
No. S3380
Exp. 03/31/24
STRUCTURAL
07/24/23

CLIENT

Class Leasing
1320 W. Oleander Ave. Perris CA 92571-7408
VOICE (951) 943-1908 FAX Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121419 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/19/2023

Revision Schedule

#	Description	Date22079

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp and Landing / Stair Framing Elevation

PROJECT NUMBER
22079

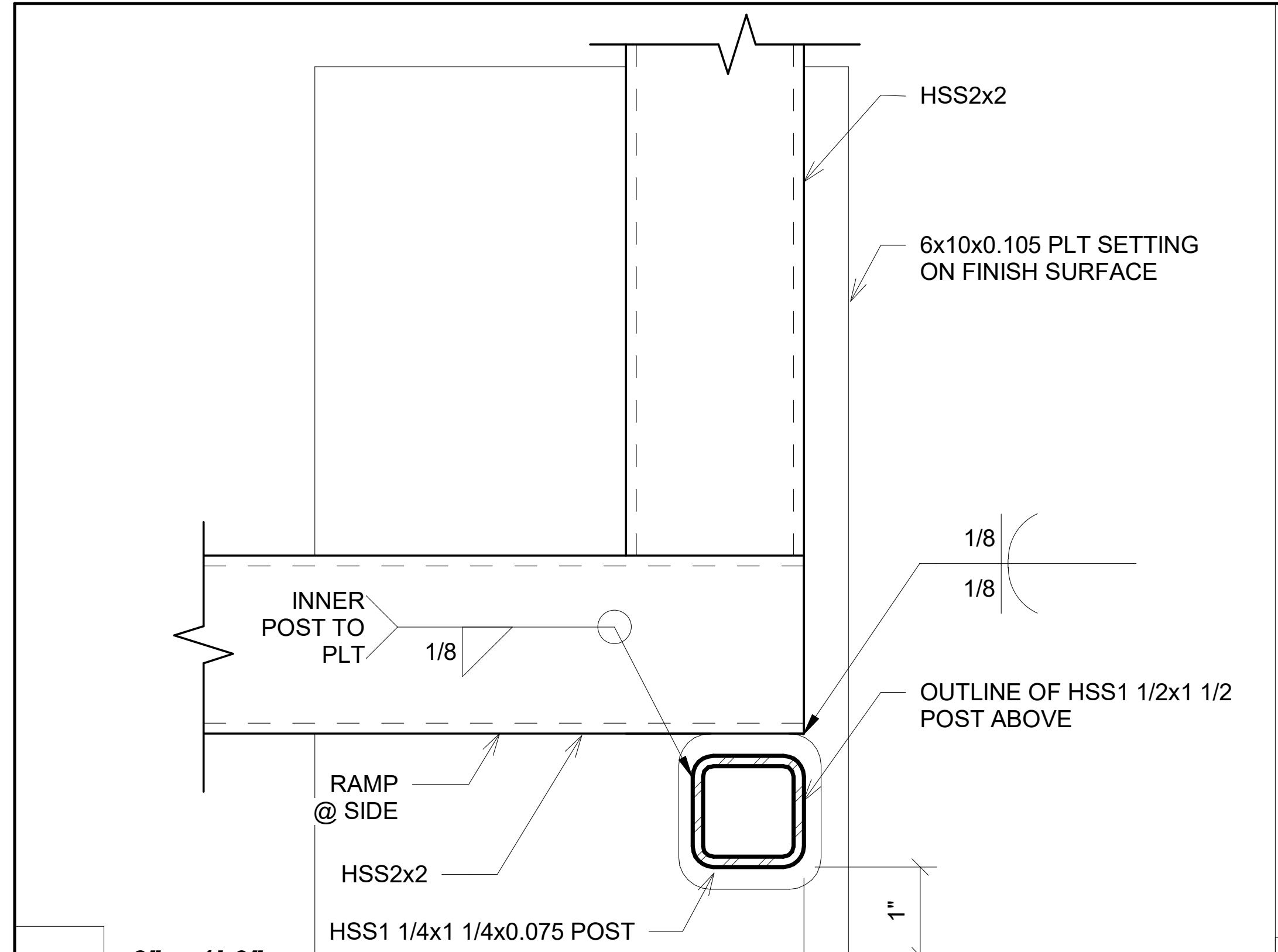
DRAWN BY
SM

CHECKED BY
rMc

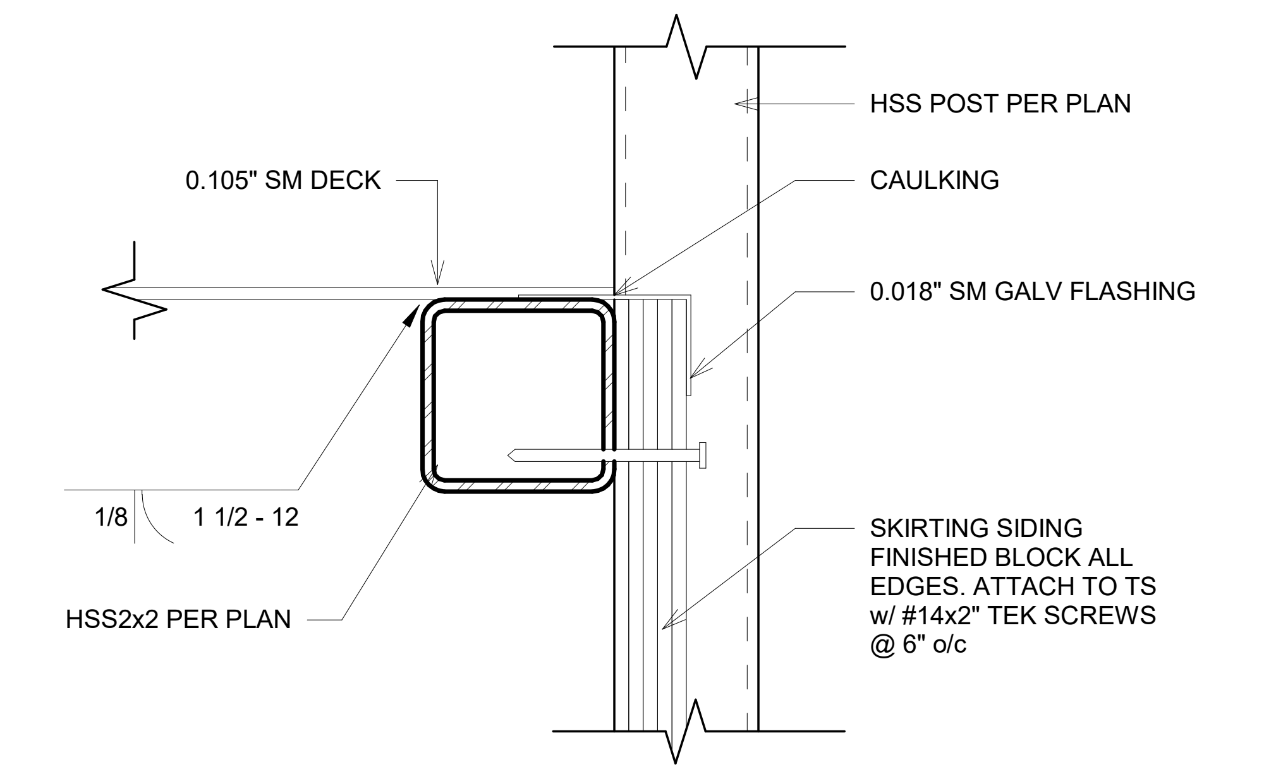
DATE
12/23/2022

SHEET NO.
SR4

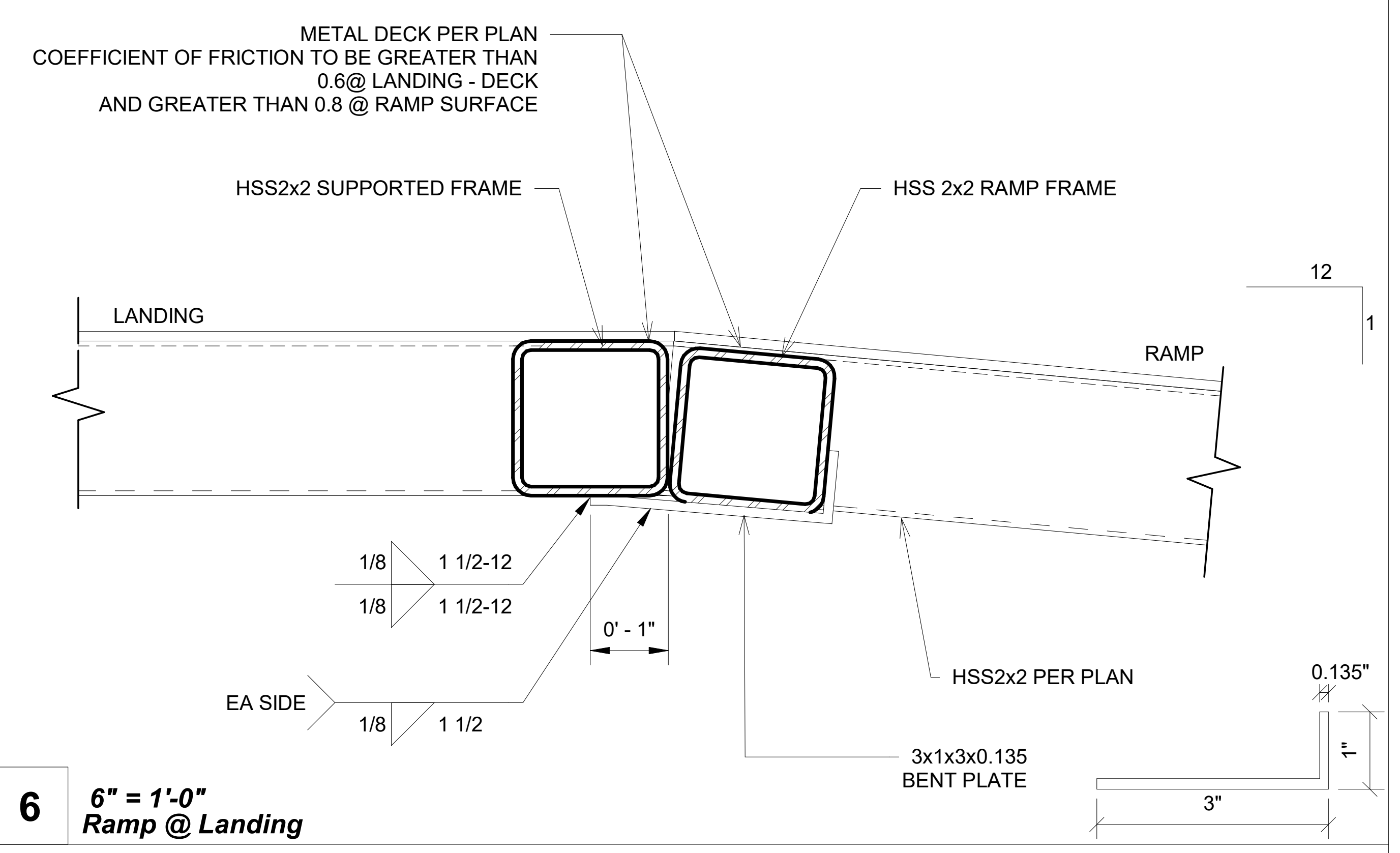
ADDENDUM


HSS2x2
6x10x0.105 PLT SETTING ON FINISH SURFACE
1/8
1/8
INNER POST TO PLT
1/8
OUTLINE OF HSS1 1/2x1 1/2 POST ABOVE
RAMP @ SIDE
HSS2x2
HSS1 1/4x1 1/4x0.075 POST
1"
1/2"

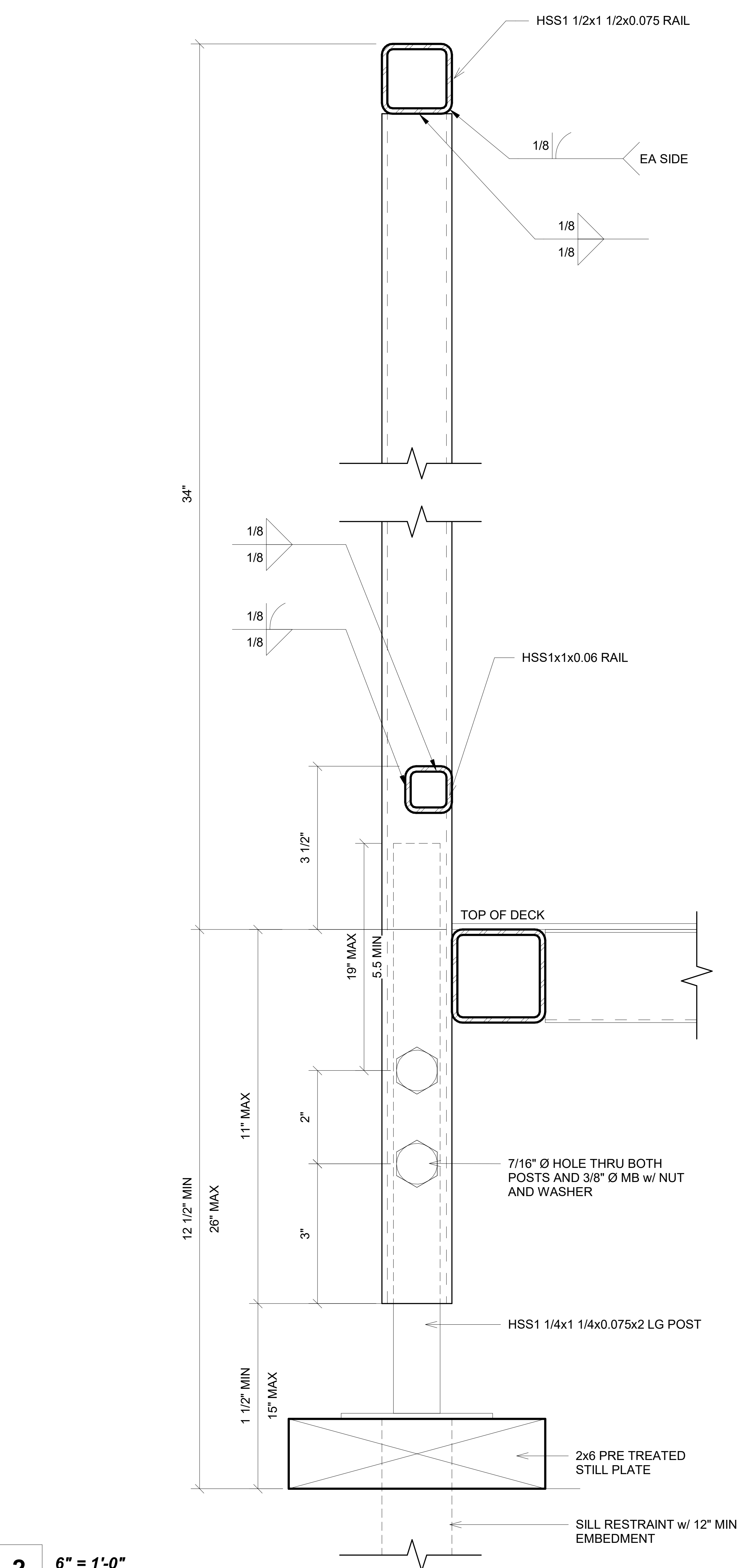
9 *6" = 1'-0"*
Base Plate @ Ramp Toe



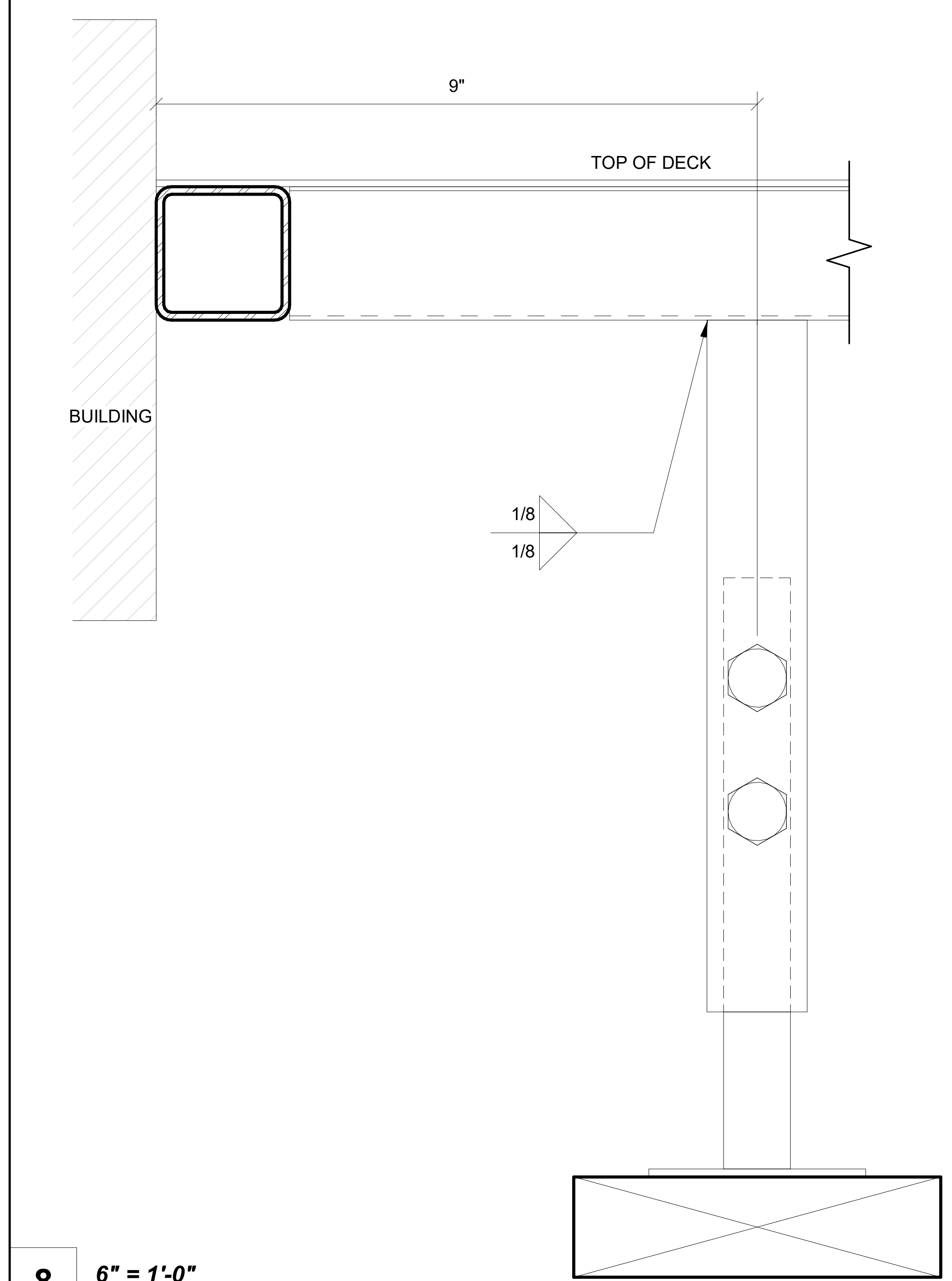
12 *6" = 1'-0"*
Skirt Flashing



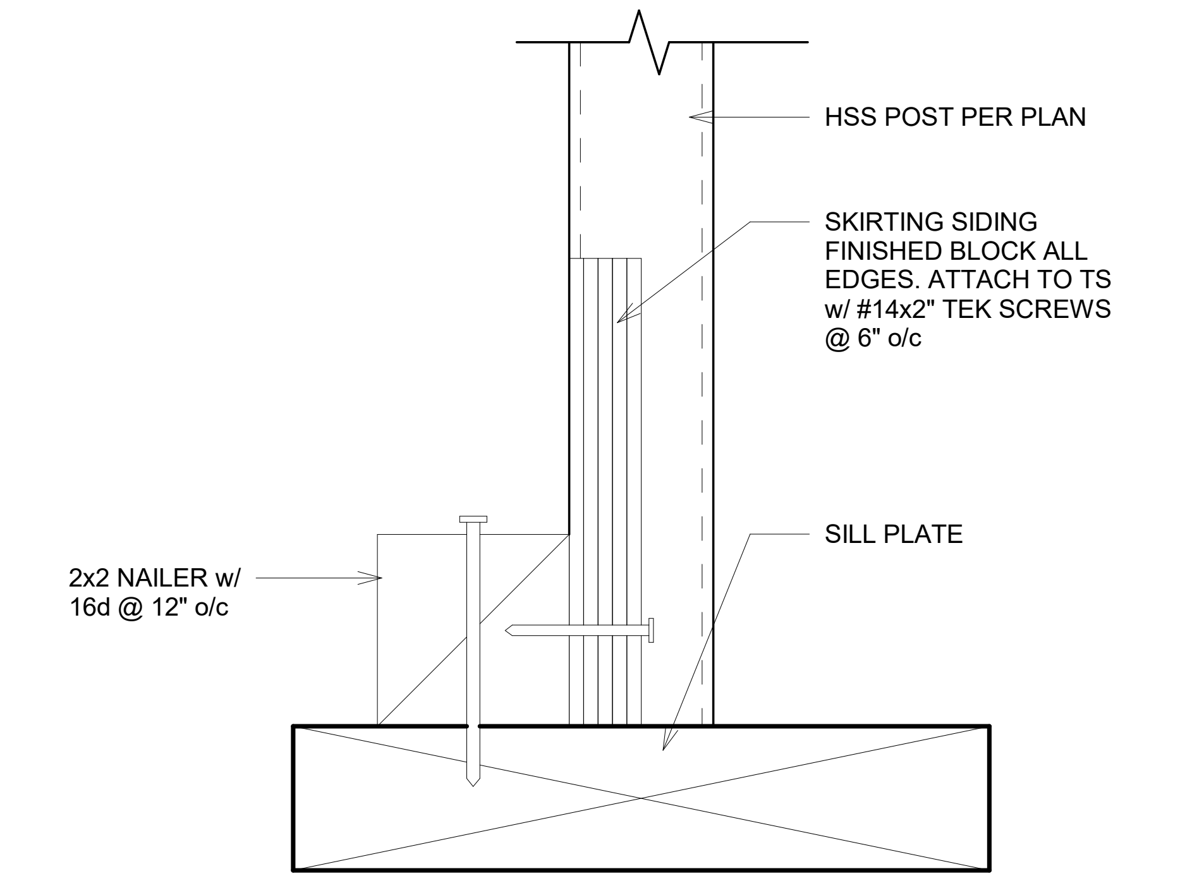
6 *6" = 1'-0"*
Ramp @ Landing


HSS1 1/2x1 1/2x0.075 RAIL
1/8
EA SIDE
1/8
1/8
34"
1/8
1/8
1/8
1/8
HSS1x1x0.06 RAIL
3 1/2"
TOP OF DECK
19" MAX
5.5 MIN
11" MAX
2"
12 1/2" MIN
26" MAX
3"
7/16" Ø HOLE THRU BOTH POSTS AND 3/8" Ø MB w/ NUT AND WASHER
HSS1 1/4x1 1/4x0.075x2 LG POST
1 1/2" MIN
15" MAX
2x6 PRE TREATED STILL PLATE
SILL RESTRAINT w/ 12" MIN EMBEDMENT

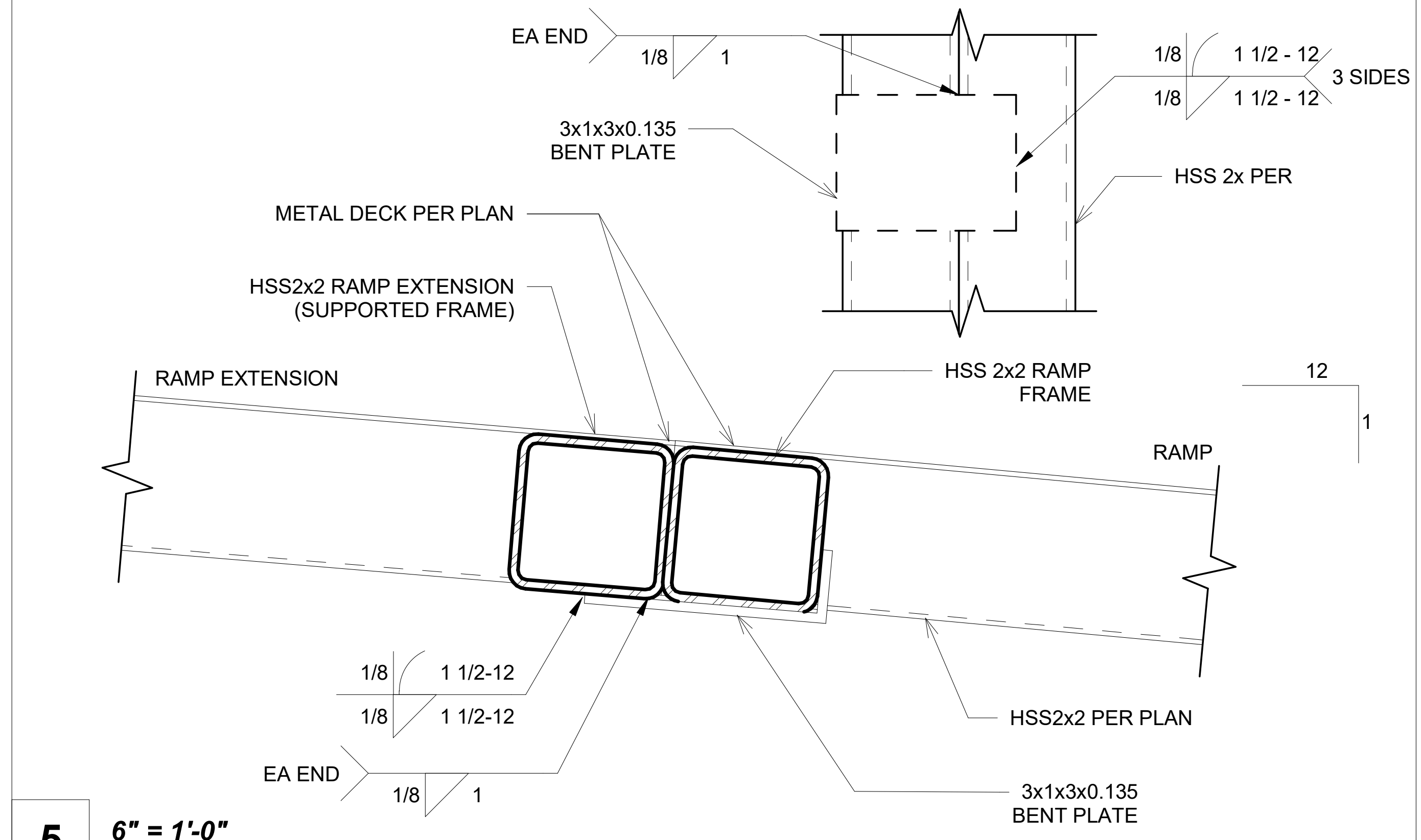
2 *6" = 1'-0"*
Adjustable Leg



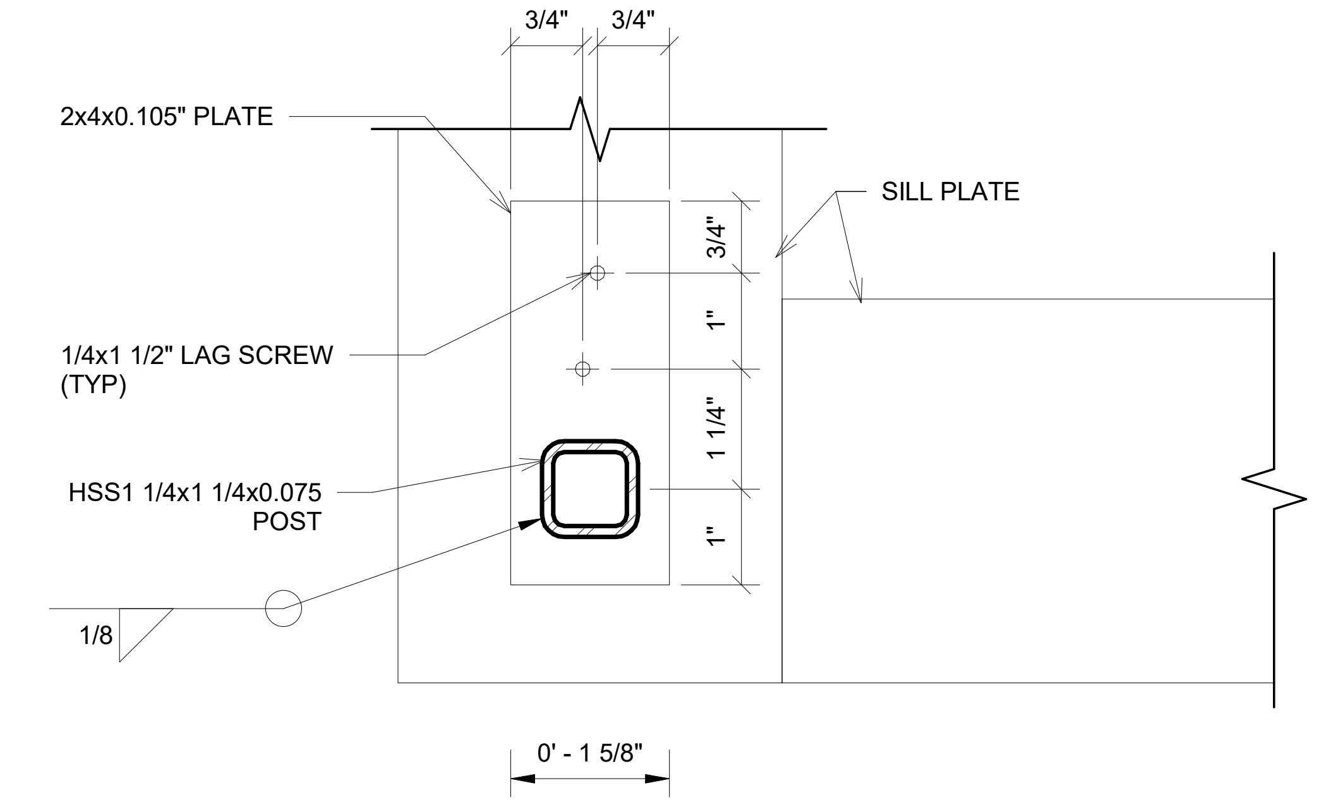
8 *6" = 1'-0"*
Interior Landing Leg Section


HSS POST PER PLAN
SKIRTING SIDING FINISHED BLOCK ALL EDGES. ATTACH TO TS w/ #14x2" TEK SCREWS @ 6" o/c
2x2 NAILER w/ 16d @ 12" o/c
SILL PLATE

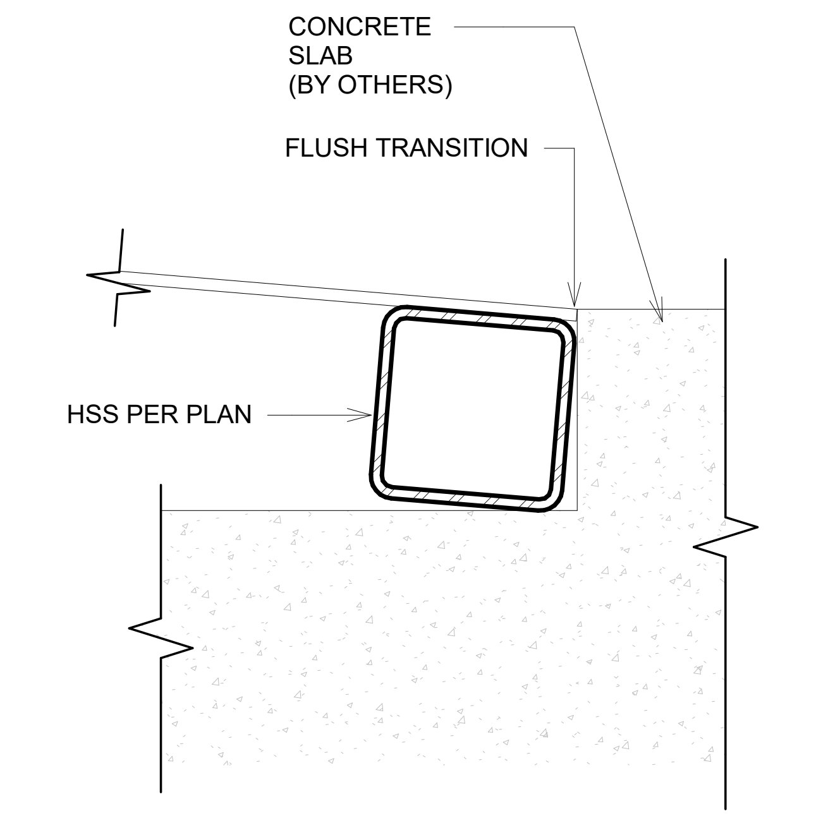
3 *6" = 1'-0"*
Skirt Flashing @ Sill Plate



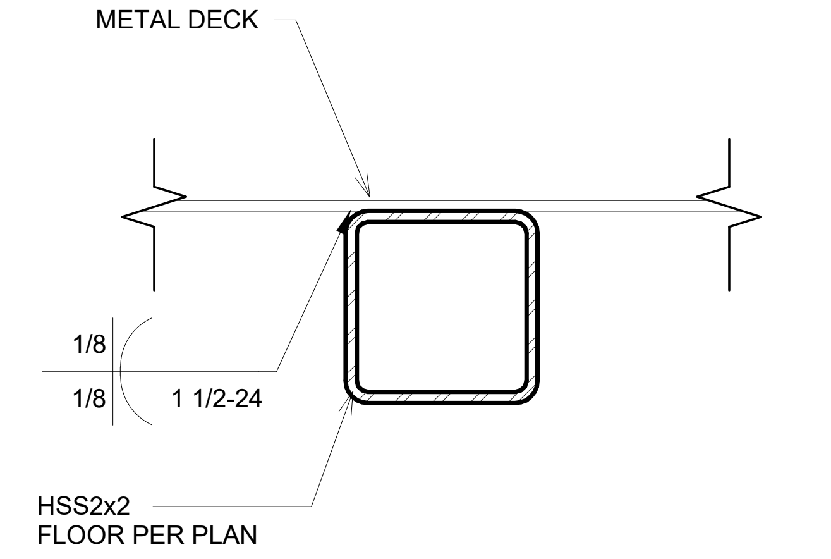
5 *6" = 1'-0"*
Ramp Extension



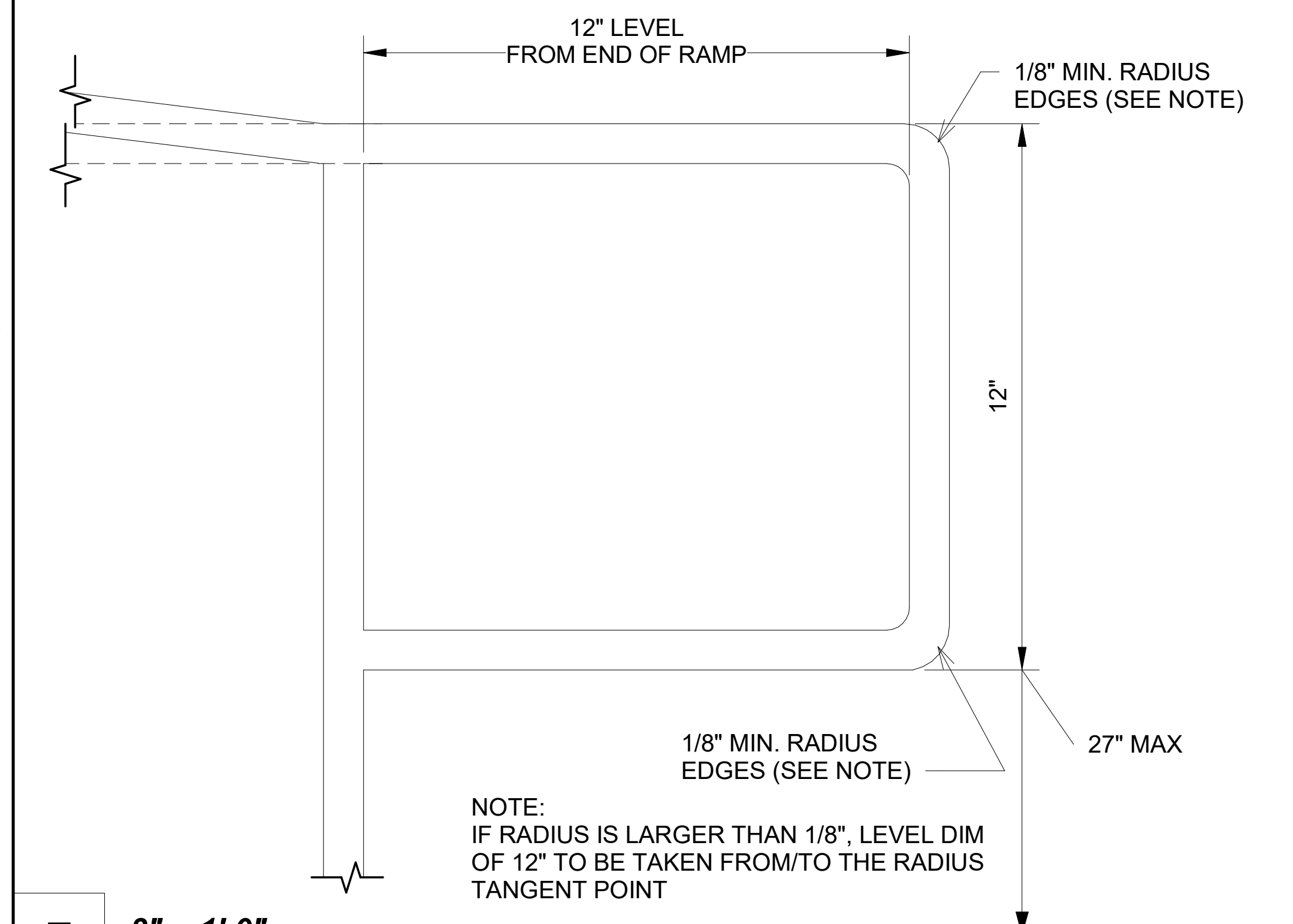
3b *6" = 1'-0"*
Adjustable Leg Base Plate



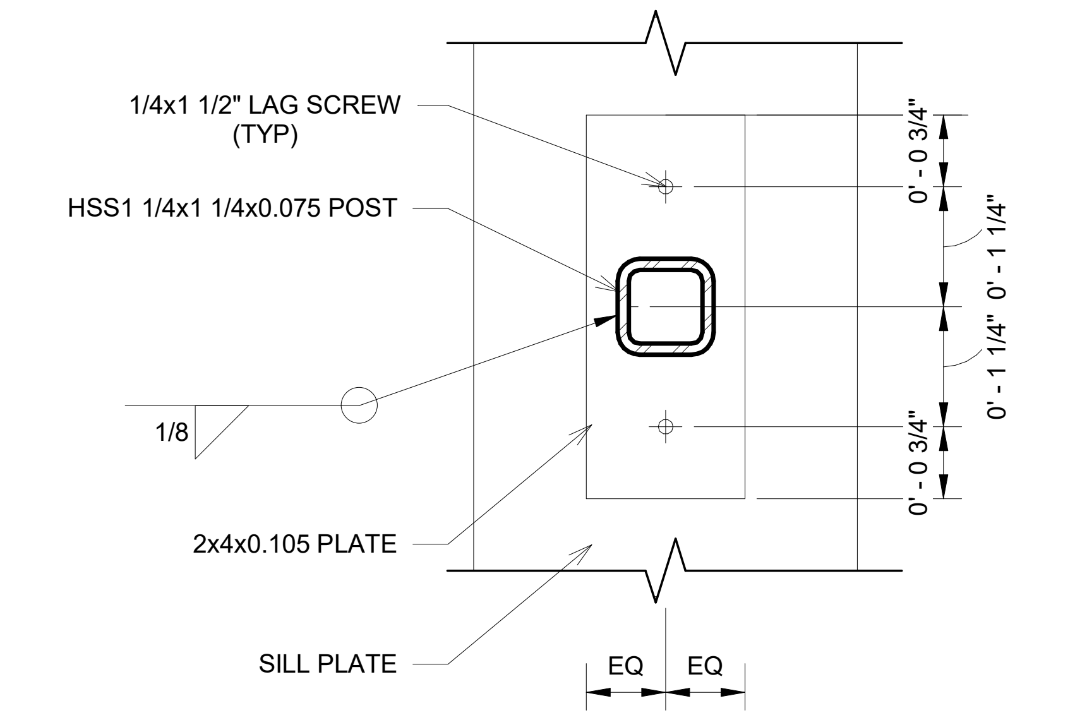
10 *6" = 1'-0"*
Flush Transition @ Bottom of Ramp



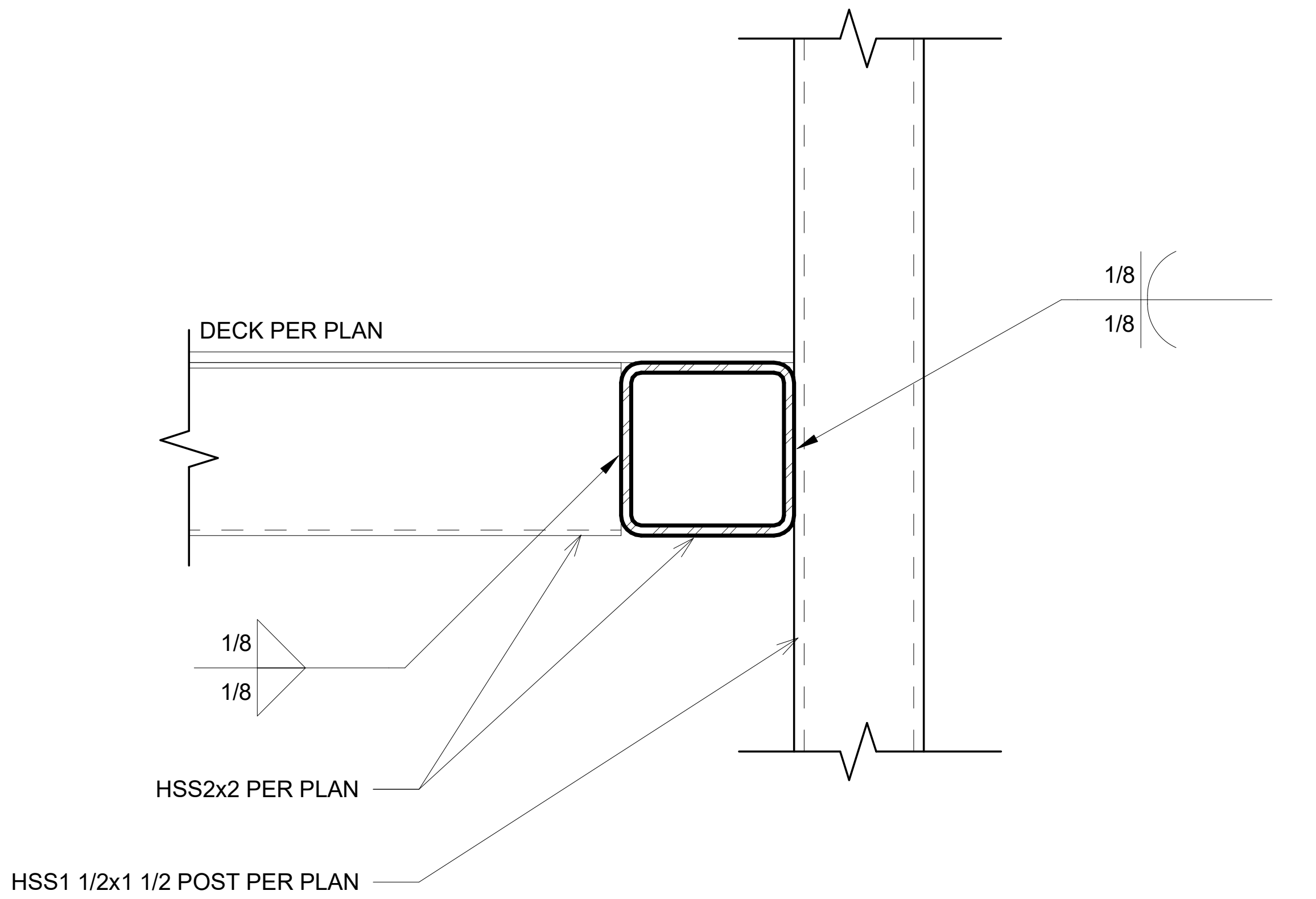
1 *6" = 1'-0"*
Deck to Frame


12" LEVEL FROM END OF RAMP
1/8" MIN. RADIUS EDGES (SEE NOTE)
12"
27" MAX
1/8" MIN. RADIUS EDGES (SEE NOTE)
NOTE:
IF RADIUS IS LARGER THAN 1/8", LEVEL DIM OF 12" TO BE TAKEN FROM/TO THE RADIUS TANGENT POINT

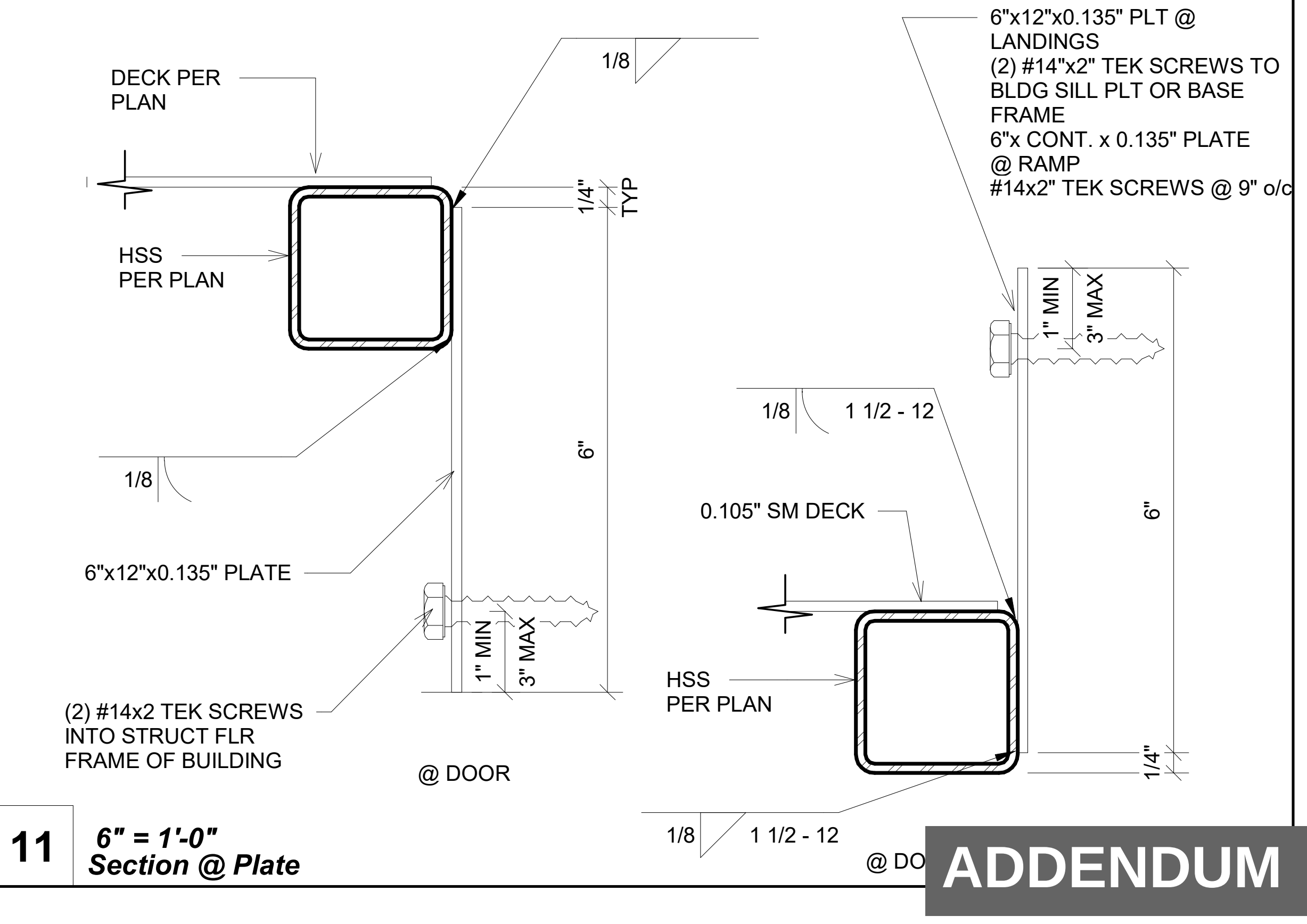
7 *3" = 1'-0"*
Extend Handrail @ Top or Bott. Ends



3a *6" = 1'-0"*
Adjustable Leg Plate



4 *6" = 1'-0"*
Guardrail post Attachment


DECK PER PLAN
1/8
6"x12"x0.135" PLT @ LANDINGS
(2) #14"x2" TEK SCREWS TO BLDG SILL PLT OR BASE FRAME
6"x CONT. x 0.135" PLATE @ RAMP
#14x2" TEK SCREWS @ 9" o/c
1/4" TYP
HSS PER PLAN
1" MIN
3" MAX
6"
1/8
1 1/2 - 12
6"
1/8
6"x12"x0.135" PLATE
0.105" SM DECK
1" MIN
3" MAX
(2) #14x2 TEK SCREWS INTO STRUCT FLR FRAME OF BUILDING
HSS PER PLAN
@ DOOR
1/4"
1/8
1 1/2 - 12
@ DO

11 *6" = 1'-0"*
Section @ Plate

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3380
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA
07/24/23

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

Class Leasing
1320 W. Oleander Ave. Perris CA 92571-7408
VOICE (951) 943-1908FAXFax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121419 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/19/2023

Revision Schedule

#	Description	Date22079

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp Details

PROJECT NUMBER
22079

DRAWN BY
SM

CHECKED BY
rMc

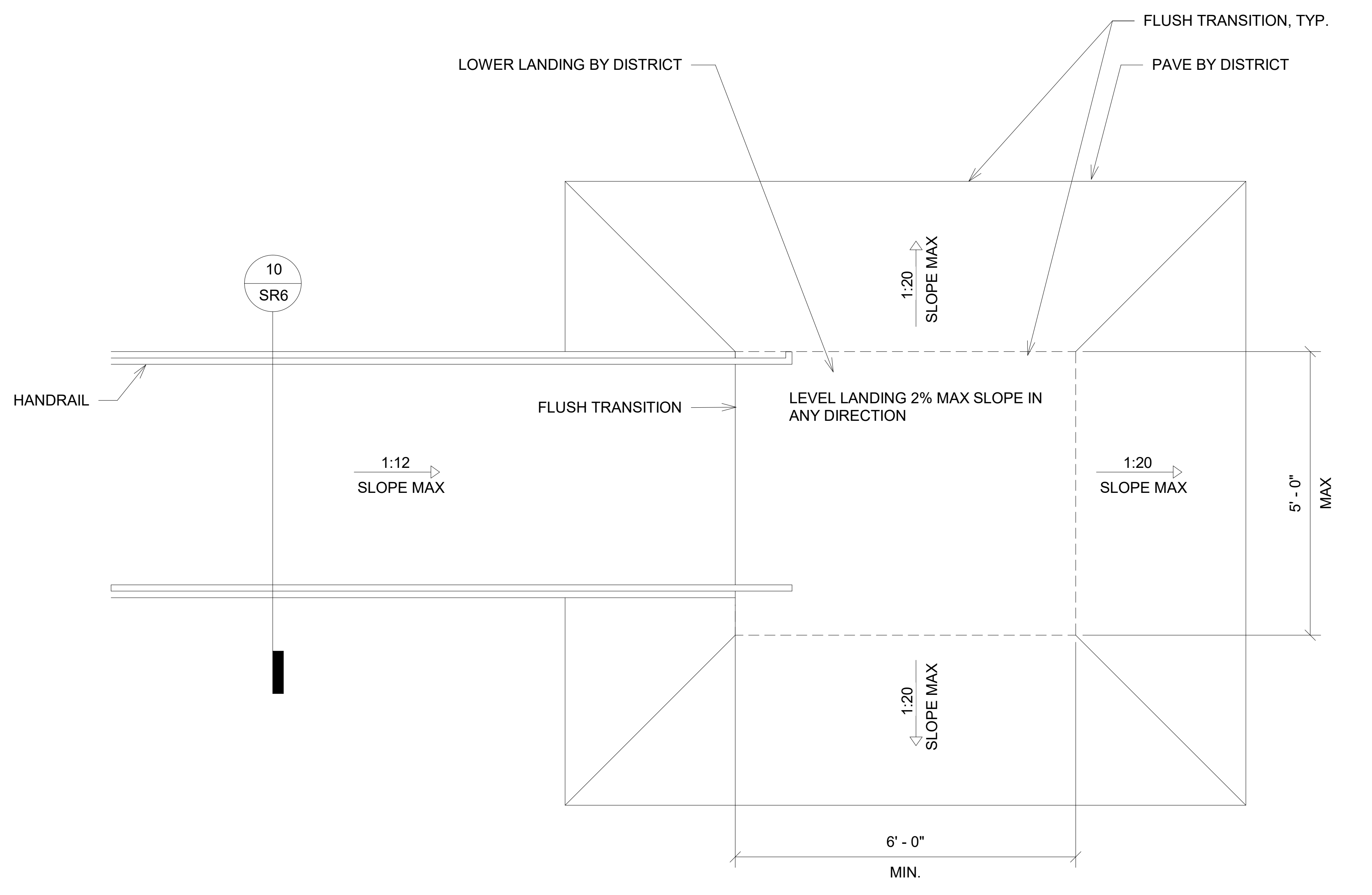
DATE
12/23/2022

SHEET NO.
SR5

ADDENDUM

M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REVIT\RST#20093 - Aries, Ramps and Stairs PC.rvt

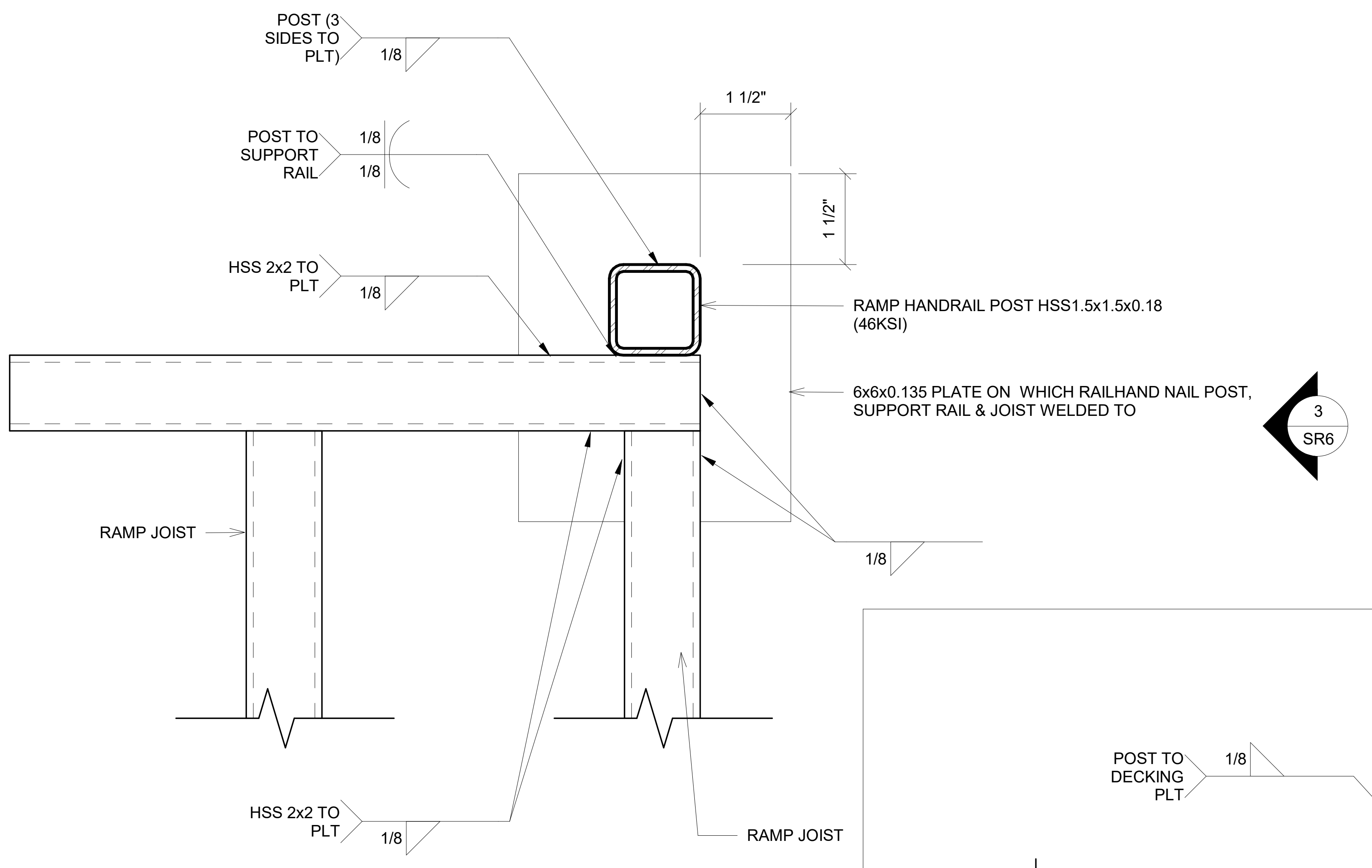
6/15/2021 7:29:28 PM



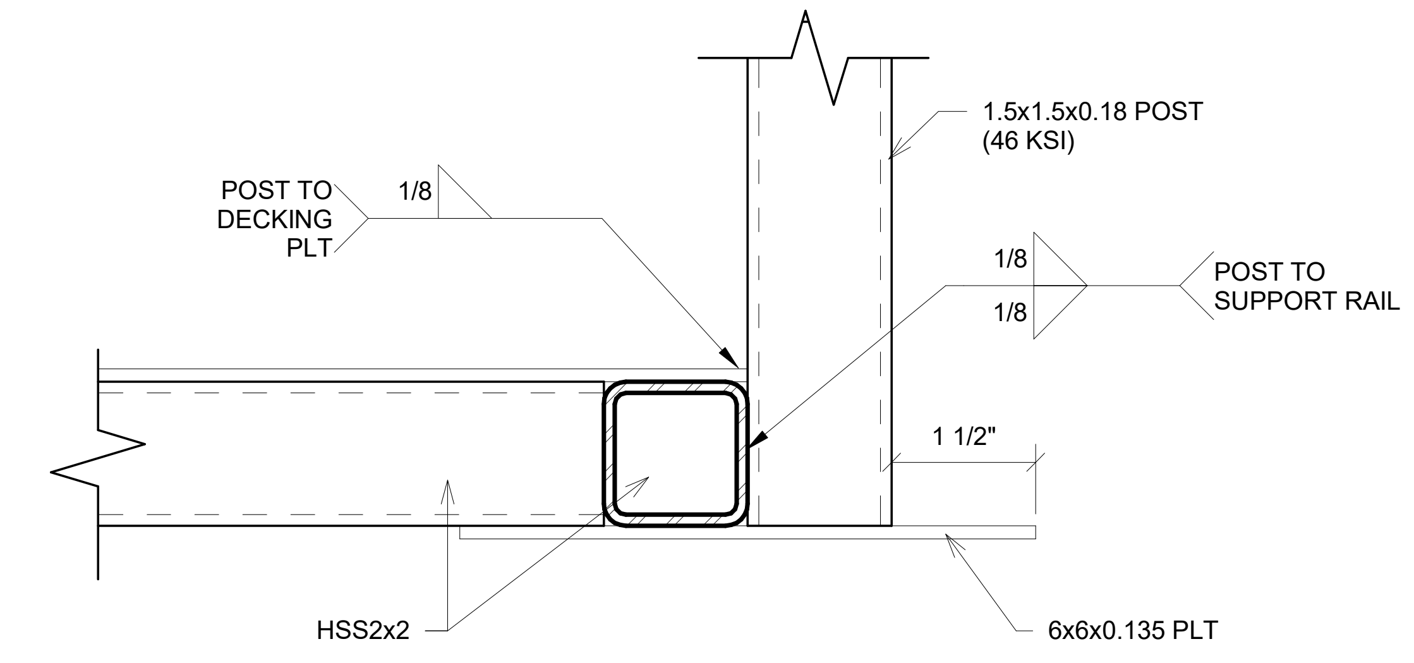
NOTE:
1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAIL.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT. (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMOSTRATE ACCESSIBLE RAMP)

LANDING TO BE DESIGNED TO NOT RETAIN STANDING WATER 1% 1% 2.083 MAX SLOPE

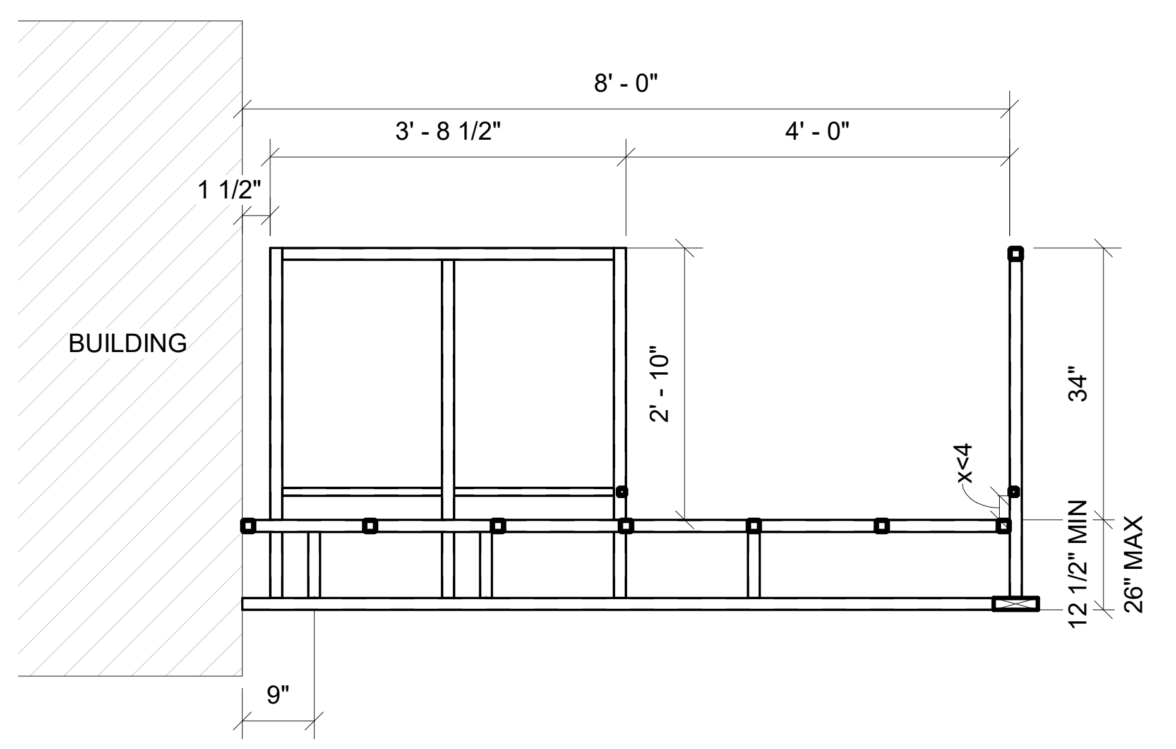
7 *1/2" = 1'-0"*
Ramp Transition



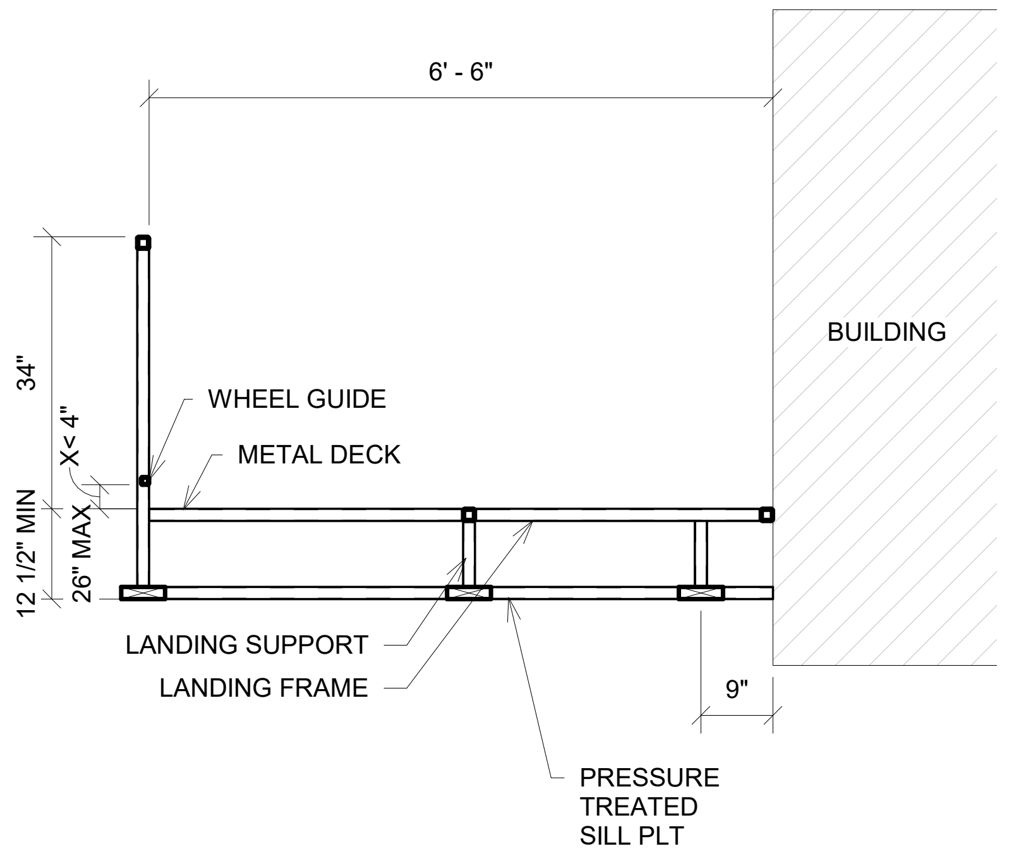
2 *6" = 1'-0"*
Base Plt @ Ramp Toe For Zero Transition



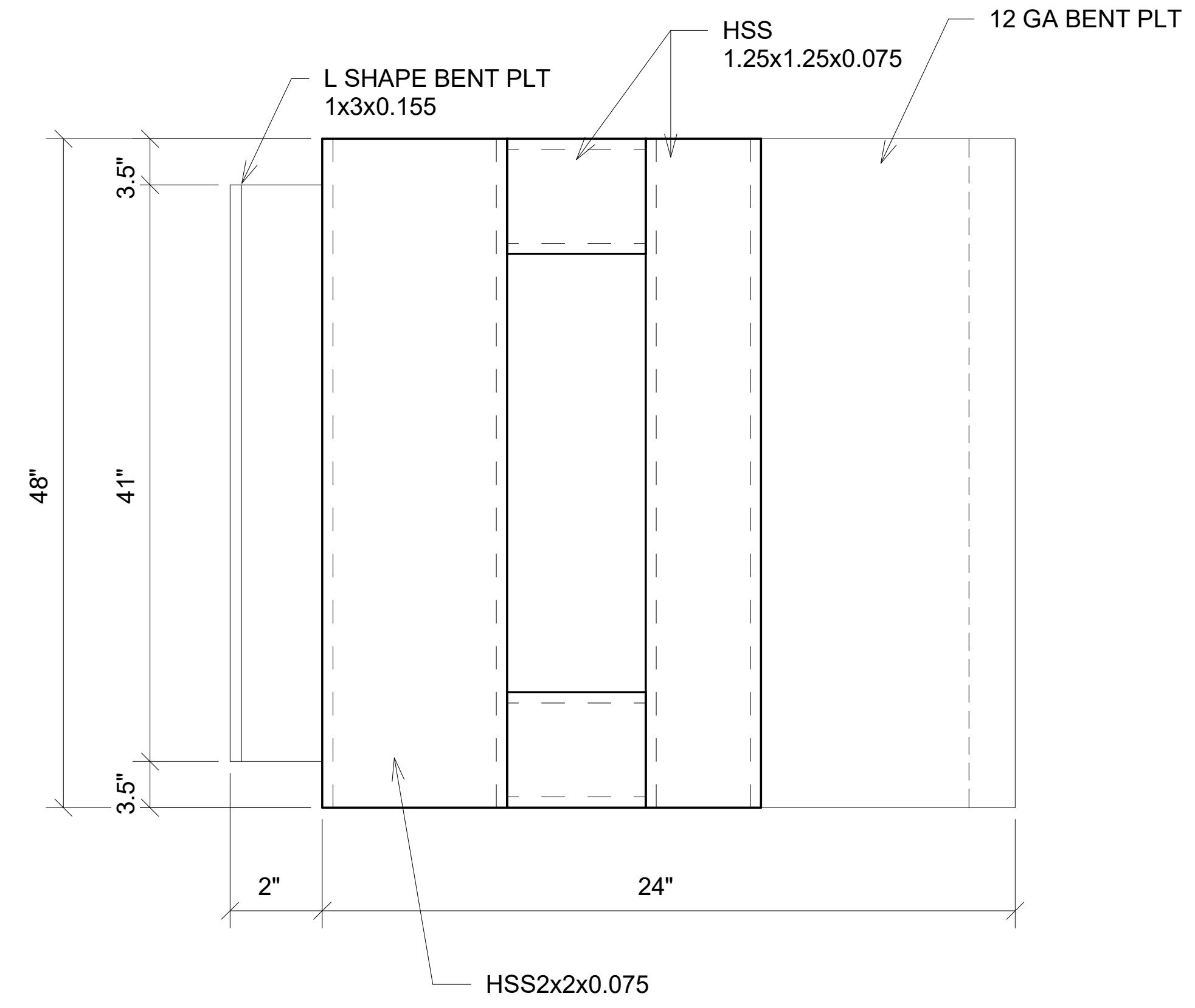
3 *6" = 1'-0"*
Base Plt @ Ramp Toe Low Zero Side View



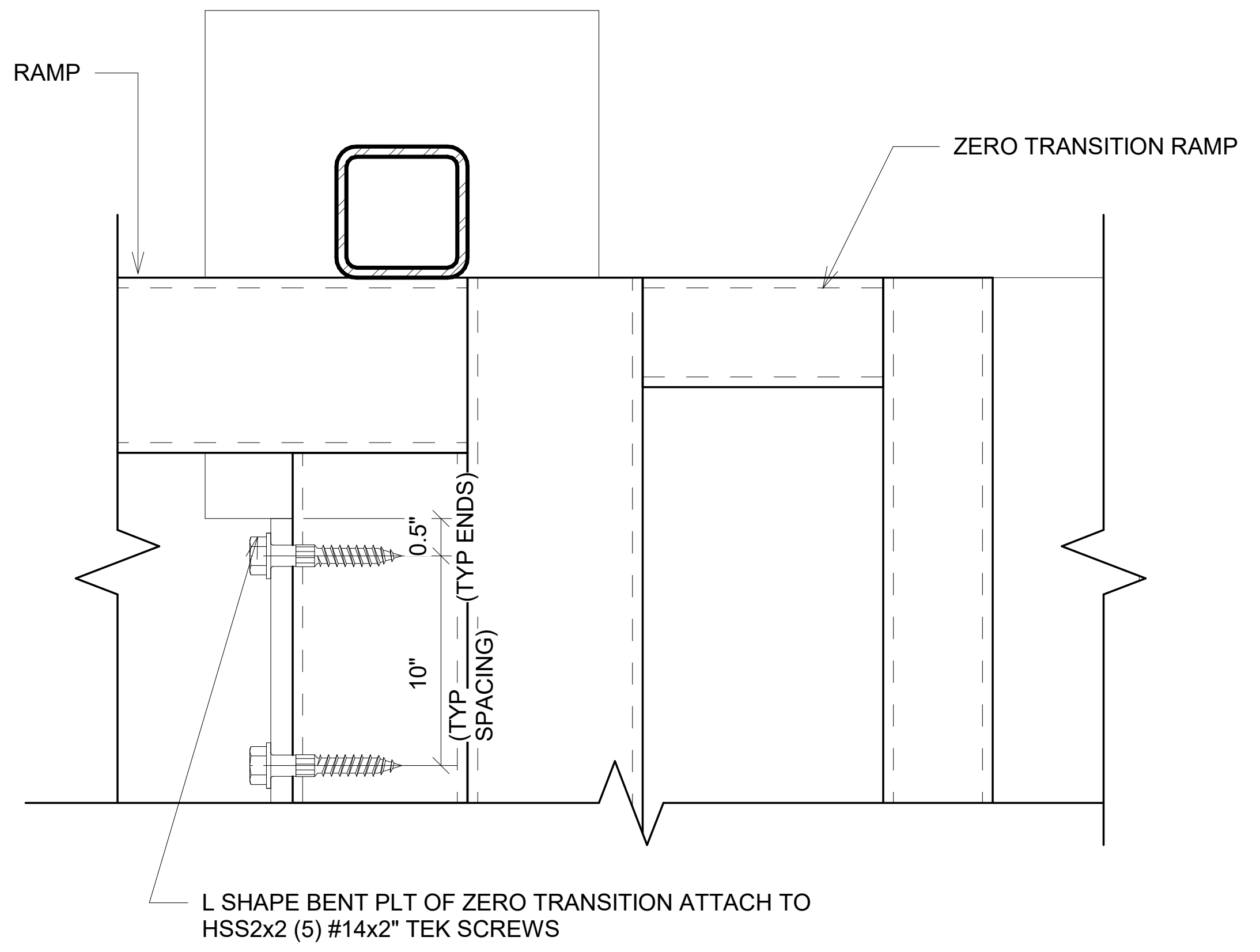
8 *1/2" = 1'-0"*
Section @ Landing



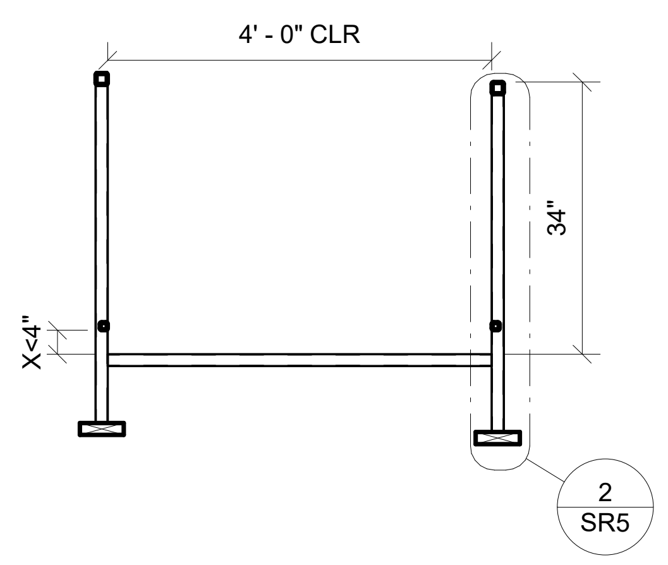
9 *1/2" = 1'-0"*
Section @ Landing



4 *6" = 1'-0"*
Top View Ramp Zero Transition

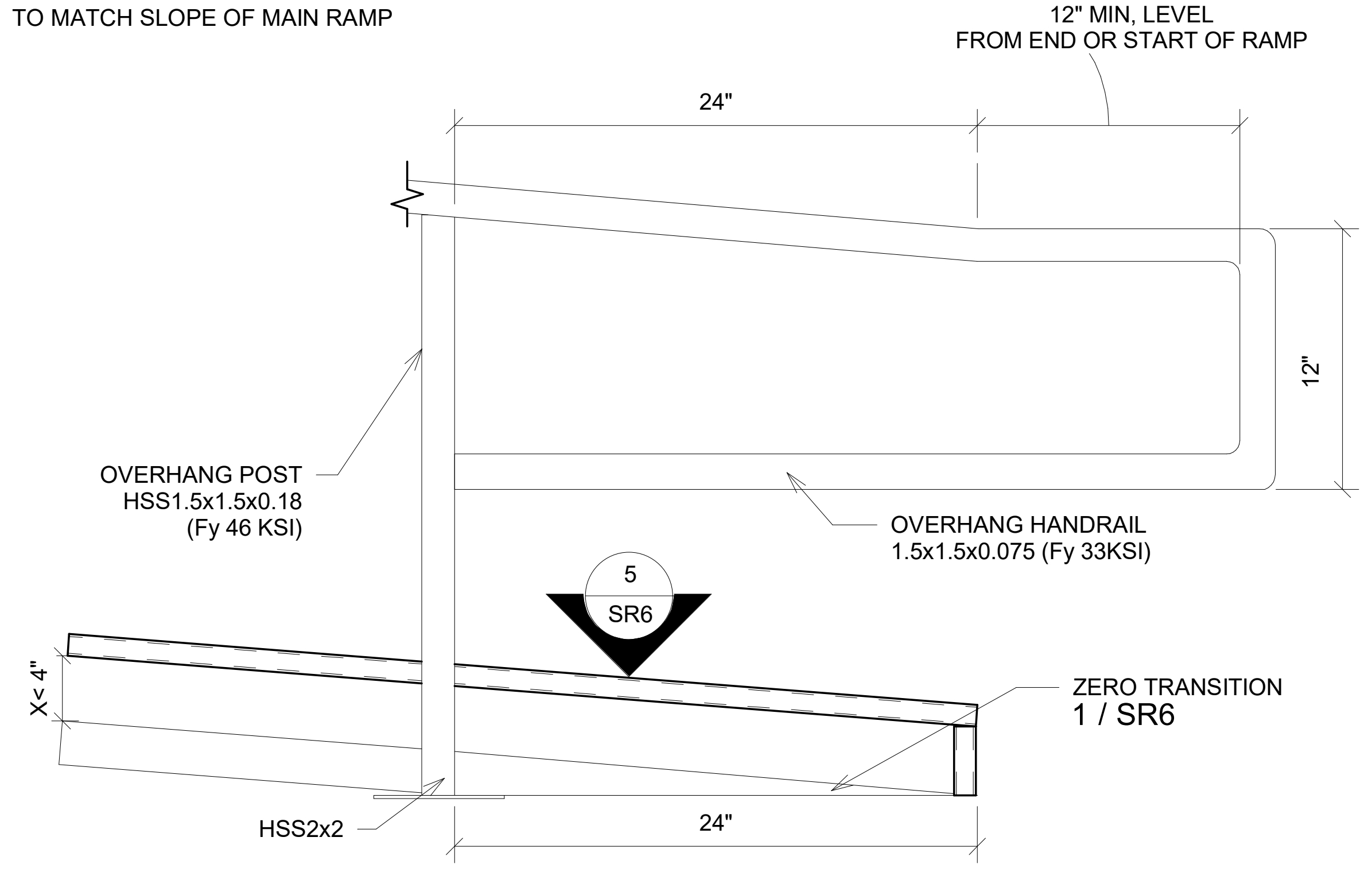

RAMP
ZERO TRANSITION RAMP
0.5" (TYP ENDS)
10" (TYP SPACING)
L SHAPE BENT PLT OF ZERO TRANSITION ATTACH TO HSS2x2 (5) #14x2" TEK SCREWS

5 *6" = 1'-0"*
Zero Transition Ramp Connection



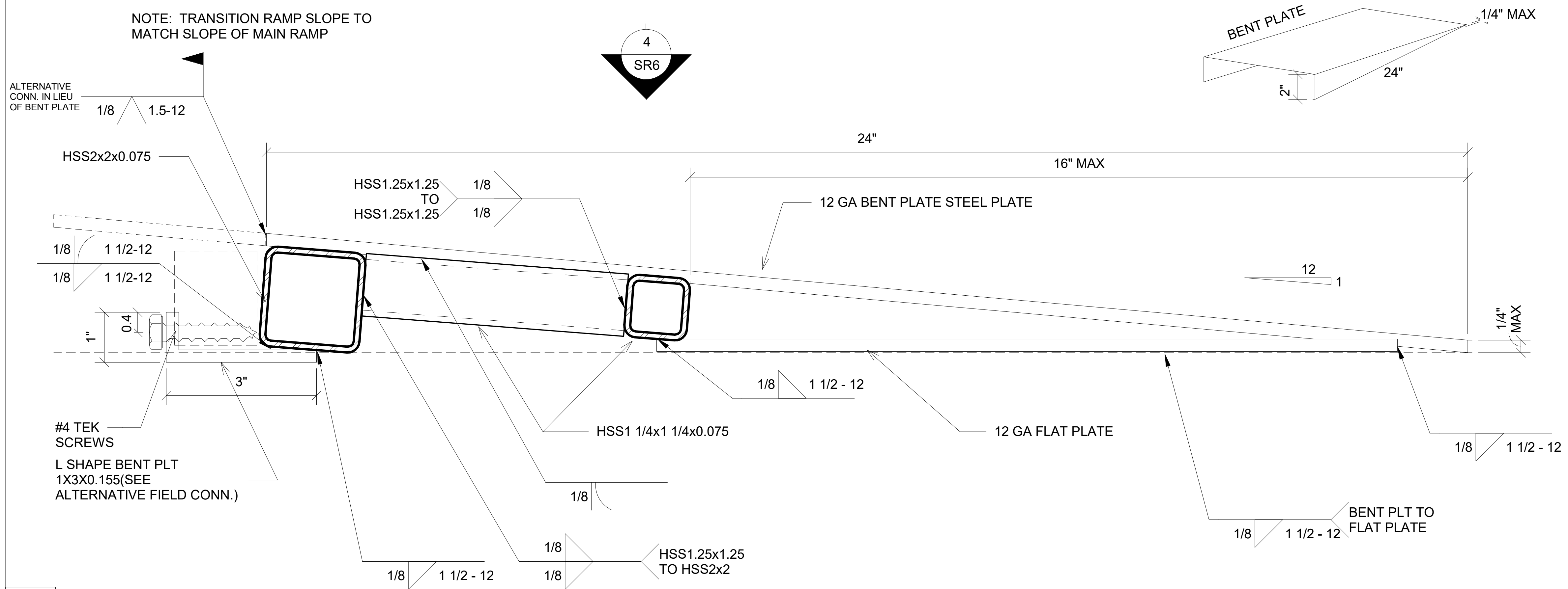
10 *1/2" = 1'-0"*
Section @ Ramp

NOTE: TRANSITION RAMP SLOPE TO MATCH SLOPE OF MAIN RAMP


12" MIN, LEVEL FROM END OR START OF RAMP
24"
12"
OVERHANG POST HSS1.5x1.5x0.18 (Fy 46 KSI)
OVERHANG HANDRAIL 1.5x1.5x0.075 (Fy 33KSI)
5
SR6
X< 4"
ZERO TRANSITION 1 / SR6
HSS2x2
24"

6 *1 1/2" = 1'-0"*
Extend Handrail @ Bottom End For Zero Transition Ramp

NOTE: TRANSITION RAMP SLOPE TO MATCH SLOPE OF MAIN RAMP



1 *6" = 1'-0"*
Zero Transition Ramp

M:\2020\20093 - Class Leasing, 24x40 - 120x40 2022 CBC Updates\REVIT\RST#20093 - Aries, Ramps and Stairs PC.rvt

6/15/2021 7:29:30 PM

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3380
Exp. 03/31/24
07/24/23

CLIENT

Class Leasing
1320 W. Oleander Ave. Perris CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-121419 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/19/2023

Revision Schedule

#	Description	Date22079

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-121419

SHEET TITLE
Ramp Details

PROJECT NUMBER
22079

DRAWN BY
SM

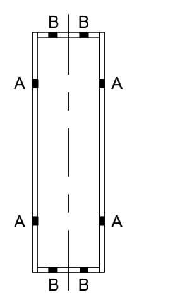
CHECKED BY
rMc

DATE
12/23/2022

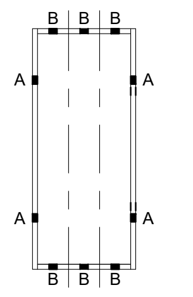
SHEET NO.
SR6

ADDENDUM

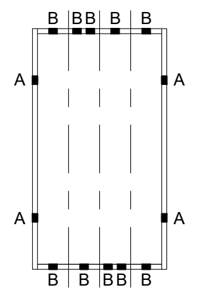
1 50+15 PSF VENTING LAYOUT



VENT AREA REQ = $\frac{960}{150}$ SF = 6.4 SF
VENT AREA AVAIL = (4) x 1.42 + (4) x 0.73 = 8.6 SF



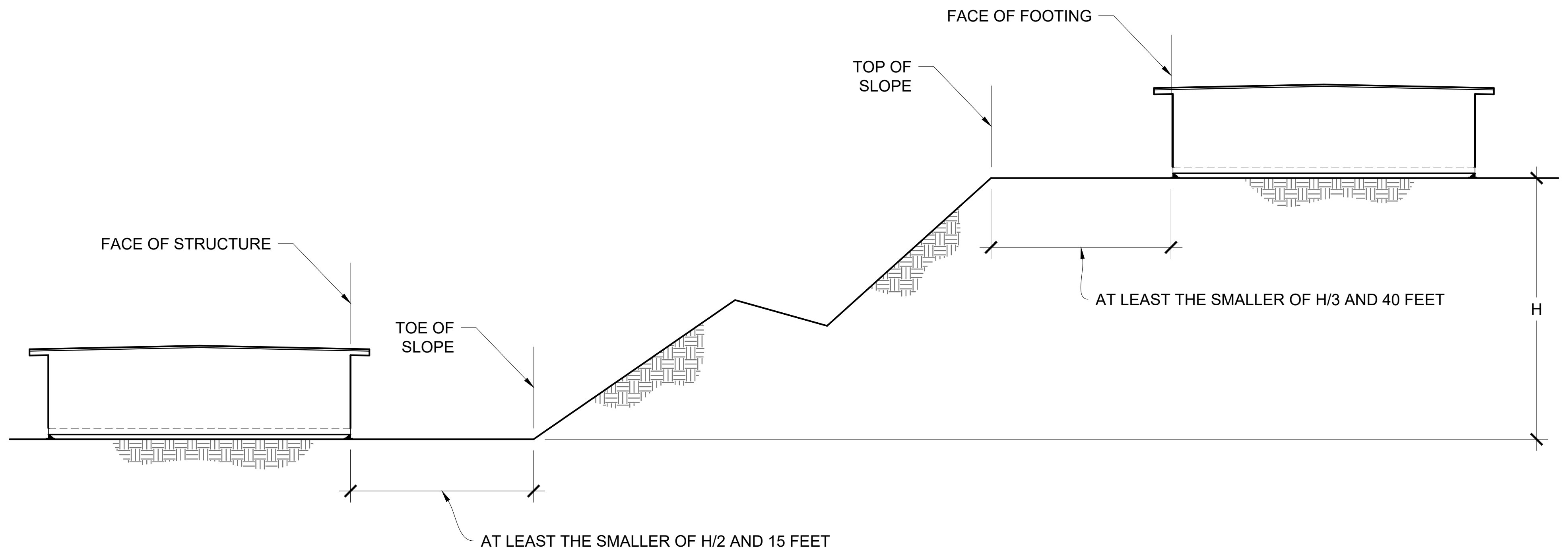
VENT AREA REQ = $\frac{1440}{150}$ SF = 9.6 SF
VENT AREA AVAIL = (4) x 1.42 + (6) x 0.73 = 10.06 SF



VENT AREA REQ = $\frac{1920}{150}$ SF = 12.8 SF
VENT AREA AVAIL = (4) x 1.42 + (10) x 0.73 = 12.93 SF

NOTE: WOOD FOUNDATION EXPANDABLE TO 48x40

3 FOUNDATION SETBACKS


FACE OF FOOTING
TOP OF SLOPE
FACE OF STRUCTURE
TOE OF SLOPE
AT LEAST THE SMALLER OF H/3 AND 40 FEET
H
AT LEAST THE SMALLER OF H/2 AND 15 FEET

FOR S1: 1 FOOT = 304.8 mm

FIGURE 1808.7.1
FOUNDATION CLEARANCES FROM SLOPES

9 KEY PLAN VENTING SCHEDULE FOR 50+15 PSF

KEY PLAN VENTING SCHEDULE

SIDE WALL
VENT A: 3'-6" x 0'-7 1/2" x 0.65 = **1.42 S.F. VENTILATION**
VENT SIZE: 42" x 6"

END WALL
VENT B: 3'-0" x 0'-4 1/2" x 0.65 = **0.73 S.F. VENTILATION**
VENT SIZE: (2) 1'-6" x 4 1/2"

SEE 2 / F1.40 FOR REFERENCE

8 WOOD PAD FOUNDATION SCHEDULE FOR 50+15 PSF

WOOD PAD FOUNDATION SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL	MODLINE ENDS	MODLINE INTERIOR	MODLINE "B" ENDS	MODLINE "B" INTERIOR	SEPARATION ENDS	SEPARATION INTERIOR
BOOSTER	2x4	2x4	2x6	2x6	2x8	2x8	2x4	2x4
TOP	2x6	2x6	2x8	2x8	2x10	2x10	2x6	2x6
BASE	2x8	2x8	2x10	2x10	2x12	2x12	2x8	2x8
SILL	2x12	2x12	(6) 2x12, 24" LONG	(6) 2x12, 24" LONG	(8) 2x12, 24" LONG	(8) 2x12, 24" LONG	2x12	2x12

7 NOTES FOR 50+15 PSF

1. WOOD FOUNDATION CONSTRUCTION IS ALLOWED FOR BUILDINGS 2160 SF AND UNDER.
2. SILL PLATES SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESSURE TREATED MATERIAL AND IS ALLOWED TO REST DIRECTLY ON SOIL OR PAVEMENT. MATERIALS ABOVE THE SILL PLATES ARE NOT CONTROLLED BY THIS REQUIREMENT.
3. VENTS THAT OCCUR INSIDE RAMP BOUNDARIES SHALL REQUIRE A VENT OF EQUAL SIZE AT RAMP SKIRTING.
4. TO PREVENT SLIDING; A 1 INCH G.S. SCHEDULE 40 PIPE (1.315" ACTUAL O.D.) SHALL BE ATTACHED TO THE SILL PLATEAND ANCHORED INTO THE EARTH WITH 12" MINIMUM EMBEDMENT (PROJECTED VERTICALLY) @ 10'-0" MAX. O.C. AND SHALL BE LOCATED A MAXIMUM OF 2'-0" FROM CORNERS.
5. STACKED FOUNDATION MEMBERS SHALL BE FASTENED TO ONE ANOTHER WITH CORROSION RESISTANT NAILS.
6. WOOD FOUNDATION HAS BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 1,000 PSF IN ABSENCE OF A SOILS INVESTIGATION REPORT PROVIDED BY A LICENSED GEOTECHNICAL ENGINEER.
7. REFER TO THE ARCHITECT'S SITE PLAN FOR DRAINAGE.

6 NAILING SCHEDULE FOR 50+15 PSF

(2) 16d NAILS SILL TO BASE PLATE CONNECTION
FOR 50 + 15 PSF SEE 7/-

	END WALL	SIDE WALL	SEPARATION
24 x 40	7" O.C.	12" O.C.	12" O.C.
36 x 40	7" O.C.	12" O.C.	12" O.C.
48 x 40	7" O.C.	12" O.C.	12" O.C.

4 TIE PLATE SCHEDULE FOR 15+15 PSF

TIE PLATE SCHEDULE

	END WALL	SIDE WALL
24 x 40	5	3
36 x 40	7	3
48 x 40	10	3

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT
11590 W. BERNARDO COURT, SUITE 100
SAN DIEGO, CA
92127

WWW.RSTAVARES.COM

PROFESSIONAL STAMP
RST#25218
REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3380
Exp. 03/31/26
STRUCTURAL
STATE OF CALIFORNIA
Manny D. Frisch
1.9.26

CLIENT
Class Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ORIGINAL PC STATE AGENCY APPROVAL
APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-125211 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/09/2026

REVISIONS

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A seperate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40' EXPANDABLE TO 120' x 40'

SHEET TITLE
WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 50 + 15 PSF

PROJECT NUMBER
22088

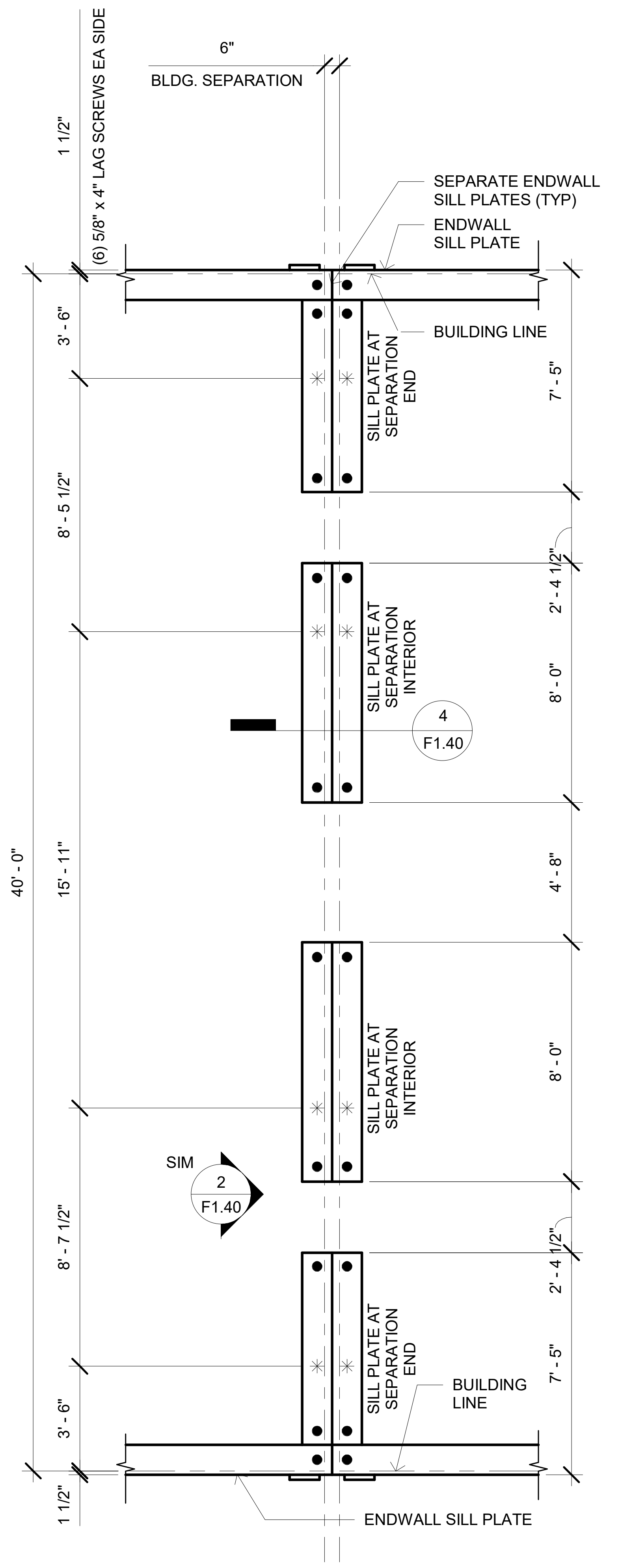
DRAWN BY
DDS

CHECKED BY

DATE
12/17/2025

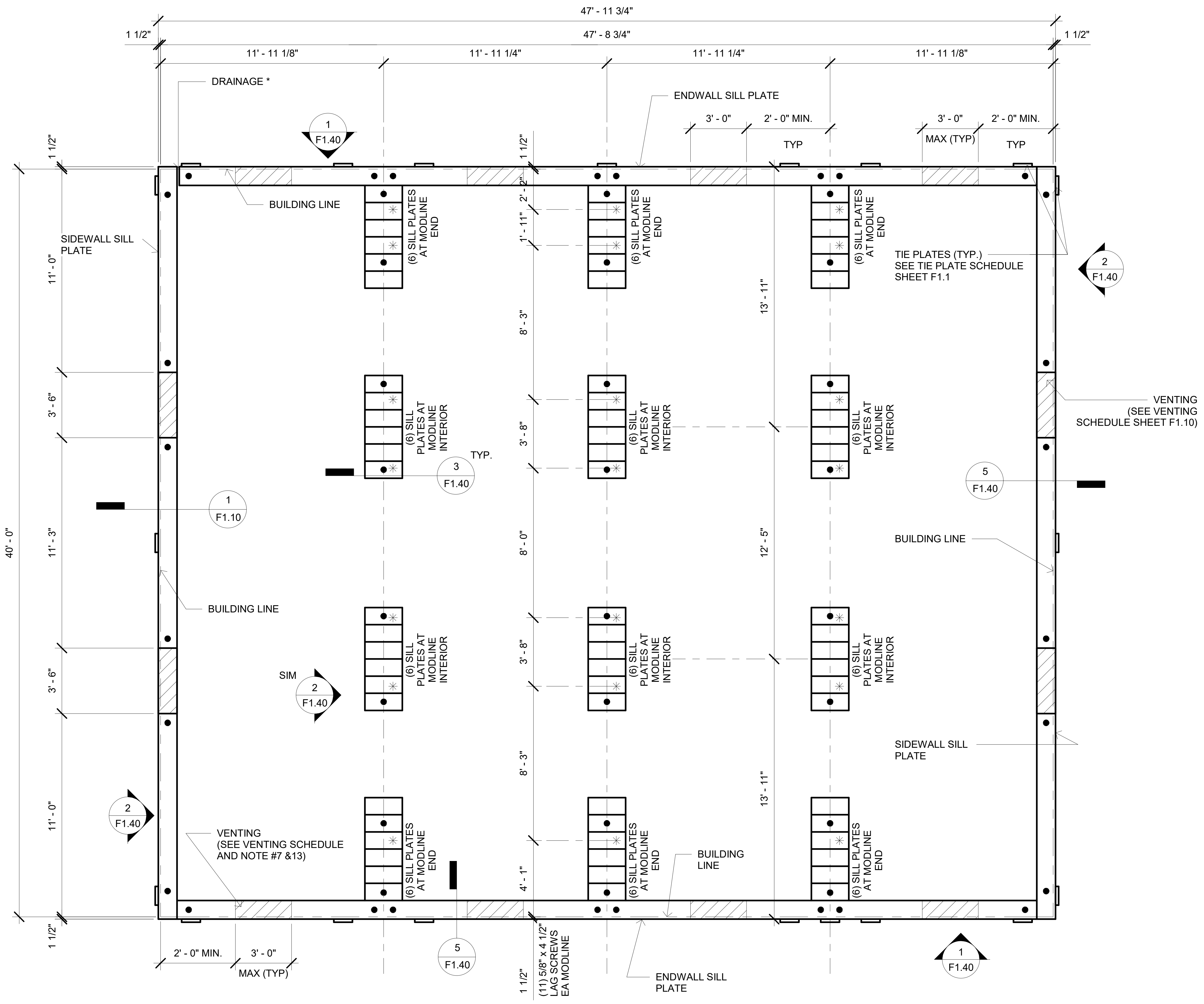
SHEET NO.
F1.10

ADDENDUM



SYMBOLS LEGEND
✳ LAG SCREWS (6 TOTAL EACH SIDE)
● SILL RESTRAINTS (SEE NOTE #4,7 / F1.10)

1 *1/4" = 1'-0"*
FOOTING AT SEPARATION 48x40 FOR 50+15



* REFER TO ARCHITECTURAL SITE PLAN FOR DRAINAGE

SYMBOLS LEGEND
✳ LAG SCREWS (11 TOTAL)
● SILL RESTRAINTS (SEE NOTE #4,7 / F1.10)

2 *1/4" = 1'-0"*
FOUNDATION PLAN 48x40 FOR 50+15

C:\Users\User\Documents\RST#20132 - Class Leasing, PC 24x40 to 120x40 HS_detached_CESAR24D63.rvt

6/16/2021 7:44:51 AM

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3380
Ex. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA

RST#22088

02/16/24

CLIENT

Class Leasing
1651Juanita Street, San Jacinto, CA 92583
Voice (951) 943-1908 Fax (951)943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-125211 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/09/2026

Revision Schedule

#	Description	Date

PRE-CHECK (PC) DOCUMENT

Code: 2022 CBC

A separate project application for construction is required

PROJECT TITLE
PC 2022 CBC:24' x 40'
EXPANDABLE TO
120' x 40'

SHEET TITLE
WOOD
FOUNDATION
PLAN 48x40 BLDG
W/ 50+15

PROJECT NUMBER
22088

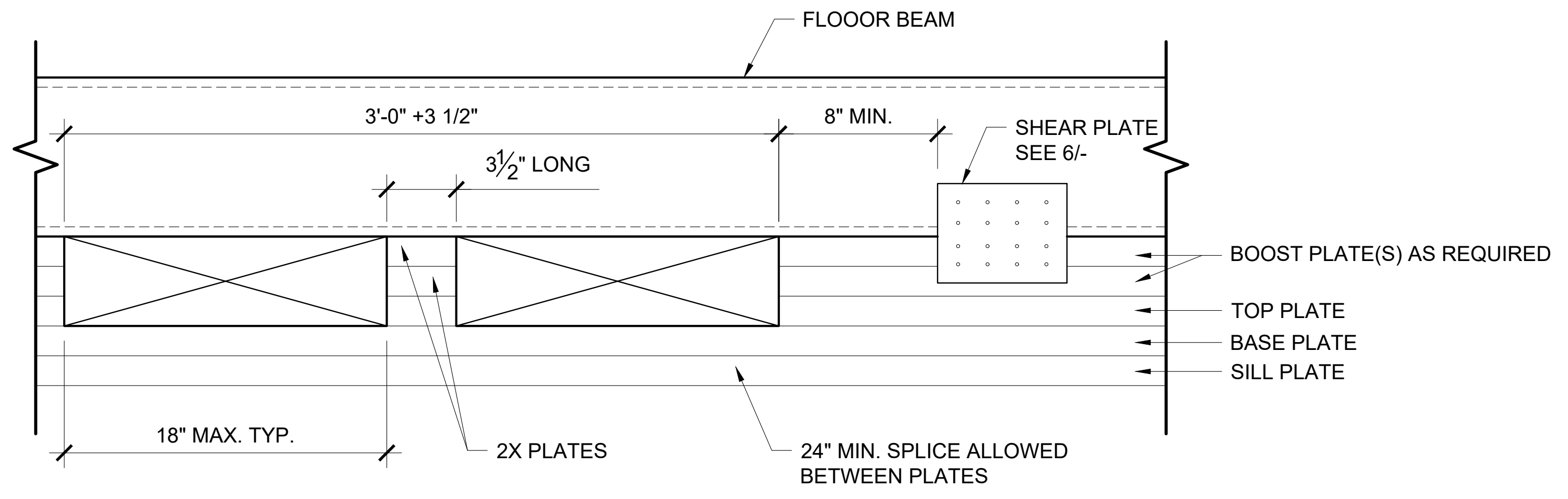
DRAWN BY
rMc/SC

CHECKED BY
JA/RT

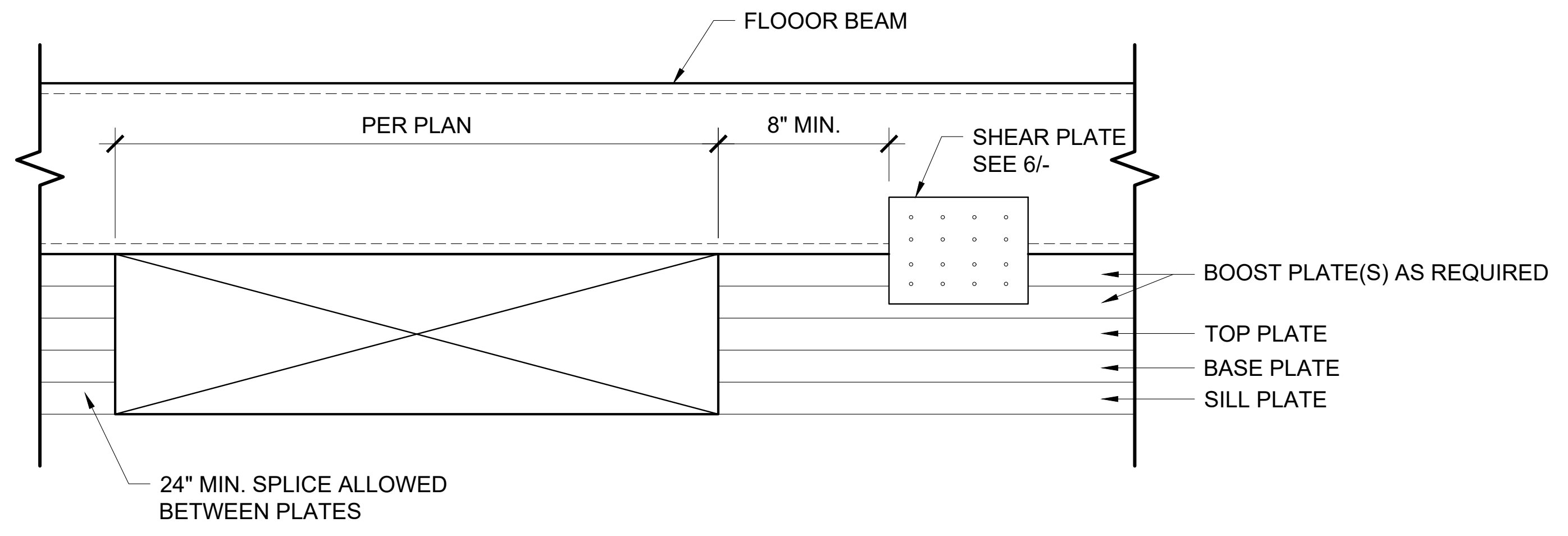
DATE

SHEET NO.
F1.13

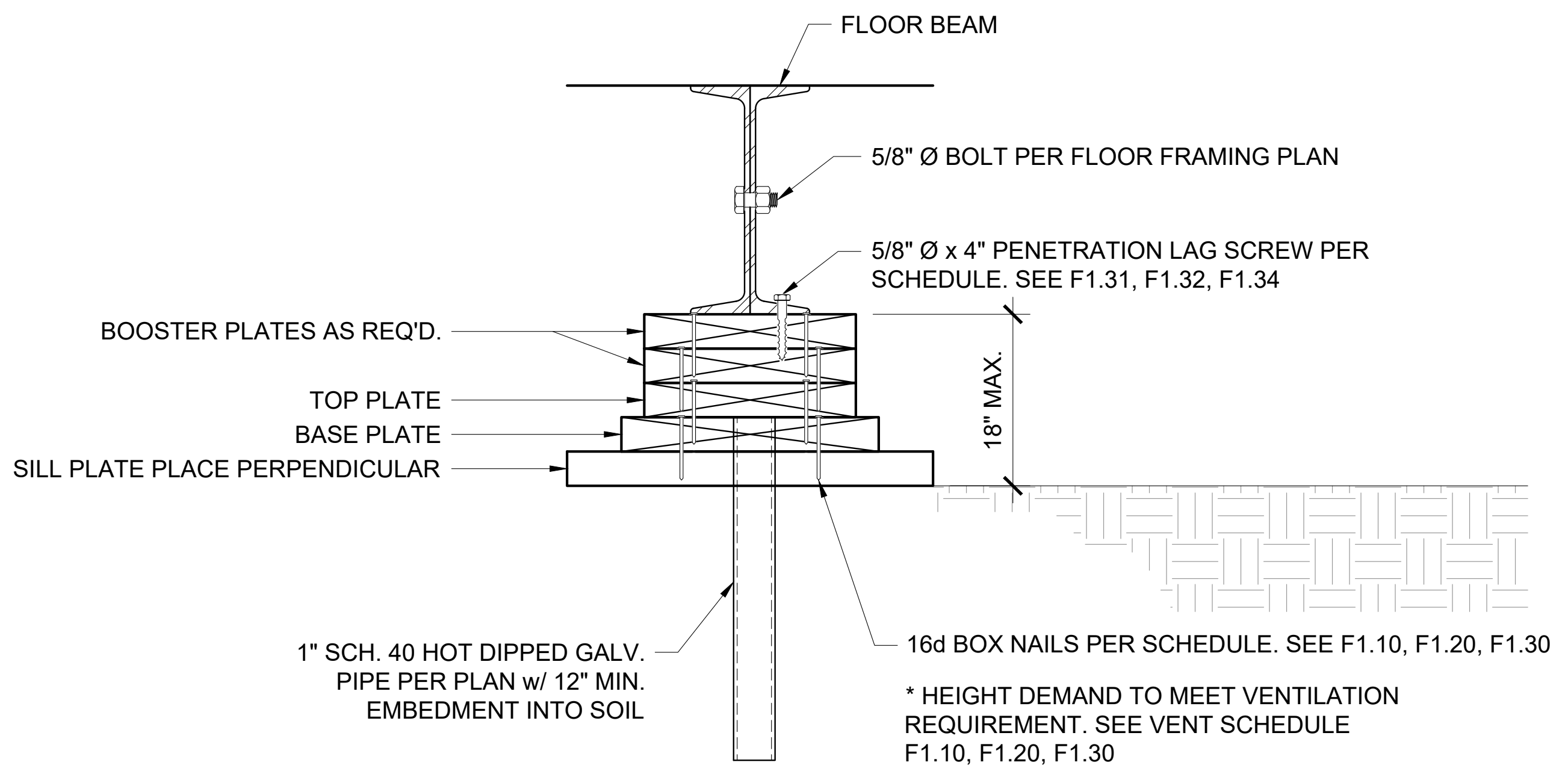
ADDENDUM



1 *1 1/2" = 1'-0"*
VENT OPENING OVER BASE PLATE

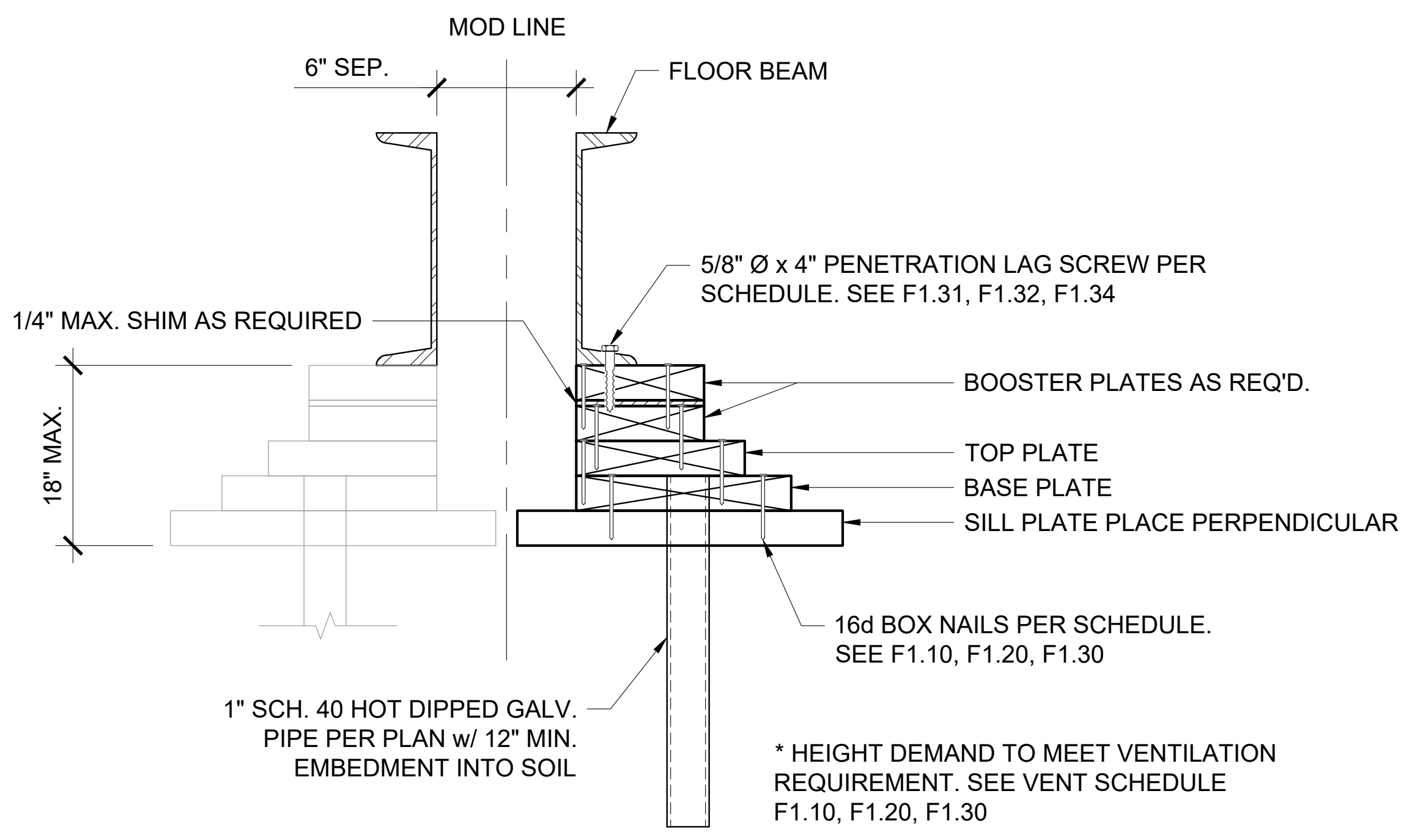


2 *1 1/2" = 1'-0"*
VENT OPENING @ SIDEWALL OR MODLINE @ SEPARATION


FLOOR BEAM
5/8" Ø BOLT PER FLOOR FRAMING PLAN
5/8" Ø x 4" PENETRATION LAG SCREW PER SCHEDULE. SEE F1.31, F1.32, F1.34
BOOSTER PLATES AS REQ'D.
TOP PLATE
BASE PLATE
SILL PLATE PLACE PERPENDICULAR
18" MAX.
1" SCH. 40 HOT DIPPED GALV. PIPE PER PLAN w/ 12" MIN. EMBEDMENT INTO SOIL
16d BOX NAILS PER SCHEDULE. SEE F1.10, F1.20, F1.30

* HEIGHT DEMAND TO MEET VENTILATION REQUIREMENT. SEE VENT SCHEDULE F1.10, F1.20, F1.30

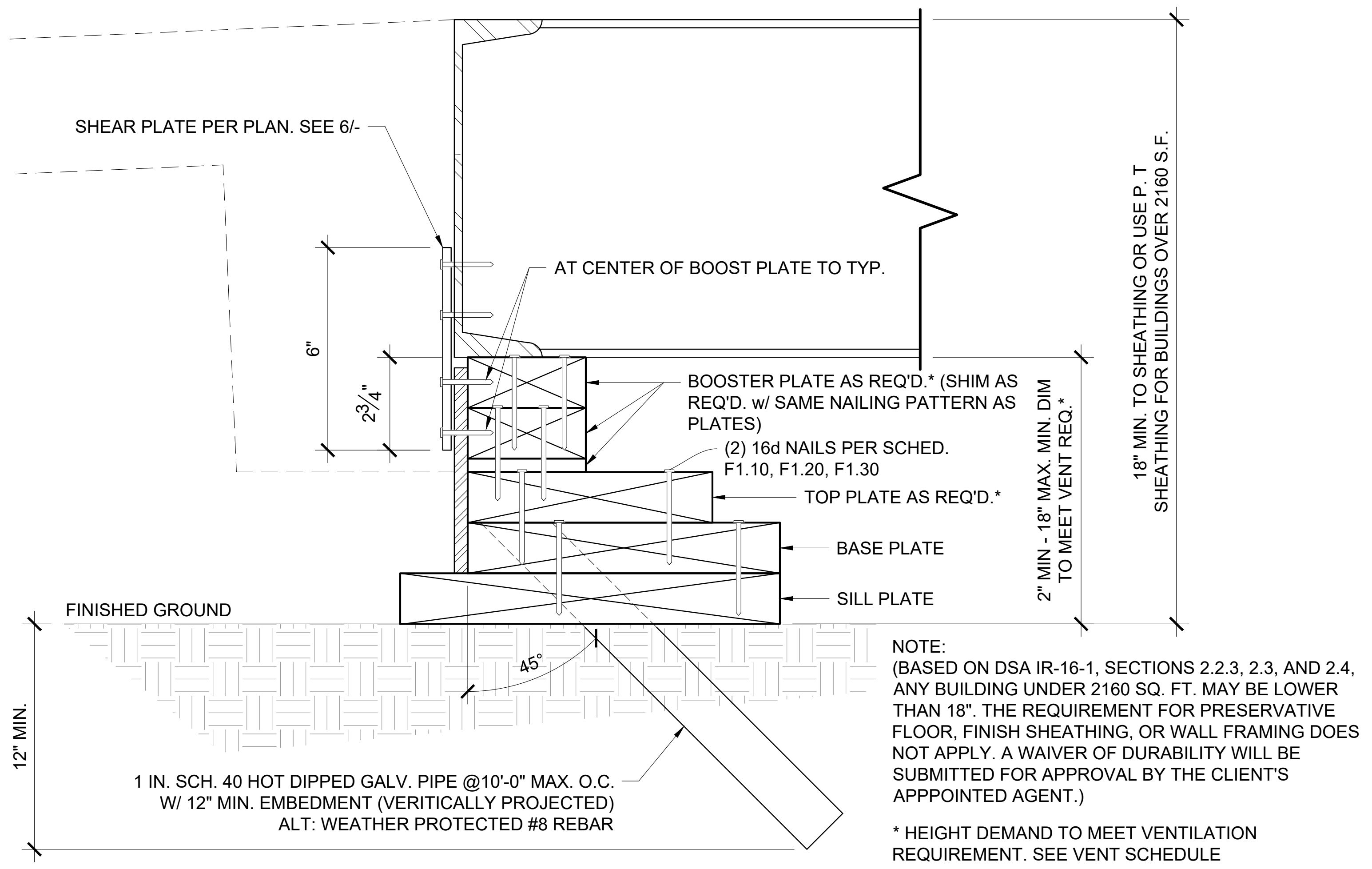
3 *1 1/2" = 1'-0"*
FOUNDATION PAD AT MOD LINE


MOD LINE
6" SEP.
FLOOR BEAM
5/8" Ø x 4" PENETRATION LAG SCREW PER SCHEDULE. SEE F1.31, F1.32, F1.34
1/4" MAX. SHIM AS REQUIRED
BOOSTER PLATES AS REQ'D.
TOP PLATE
BASE PLATE
SILL PLATE PLACE PERPENDICULAR
18" MAX.
16d BOX NAILS PER SCHEDULE. SEE F1.10, F1.20, F1.30
1" SCH. 40 HOT DIPPED GALV. PIPE PER PLAN w/ 12" MIN. EMBEDMENT INTO SOIL

* HEIGHT DEMAND TO MEET VENTILATION REQUIREMENT. SEE VENT SCHEDULE F1.10, F1.20, F1.30

4 *1 1/2" = 1'-0"*
FOUNDATION PAD AT SEPARATION

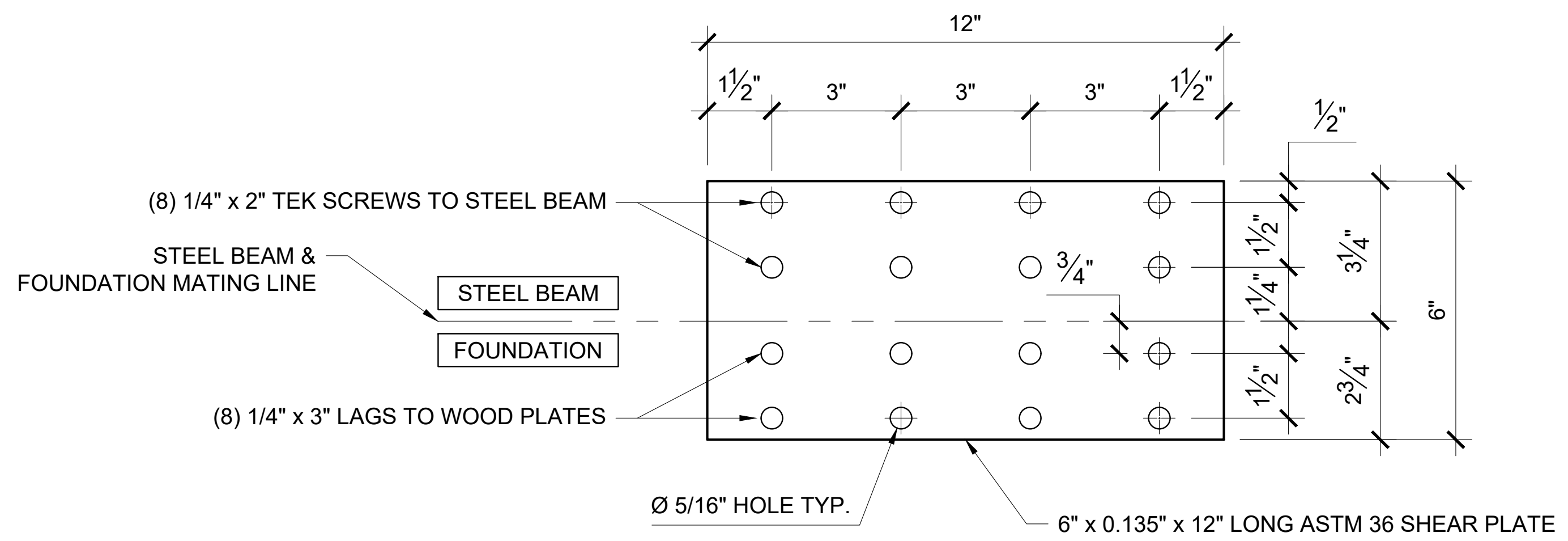
*NOTE: WHERE GRADE IS INSTALLED FLUSH WITH FLOOR ELEVATION, PROVIDE FLASHING AND DRAINAGE PER 1C OR 6C/A2.9


SHEAR PLATE PER PLAN. SEE 6/-
AT CENTER OF BOOST PLATE TO TYP.
6"
2¾"
BOOSTER PLATE AS REQ'D.* (SHIM AS REQ'D. w/ SAME NAILING PATTERN AS PLATES)
(2) 16d NAILS PER SCHED. F1.10, F1.20, F1.30
TOP PLATE AS REQ'D.*
BASE PLATE
SILL PLATE
2" MIN - 18" MAX. MIN. DIM TO MEET VENT REQ.*
18" MIN. TO SHEATHING OR USE P. T SHEATHING FOR BUILDINGS OVER 2160 S.F.
FINISHED GROUND
45°
12" MIN.
1 IN. SCH. 40 HOT DIPPED GALV. PIPE @10'-0" MAX. O.C. W/ 12" MIN. EMBEDMENT (VERITICALLY PROJECTED) ALT: WEATHER PROTECTED #8 REBAR

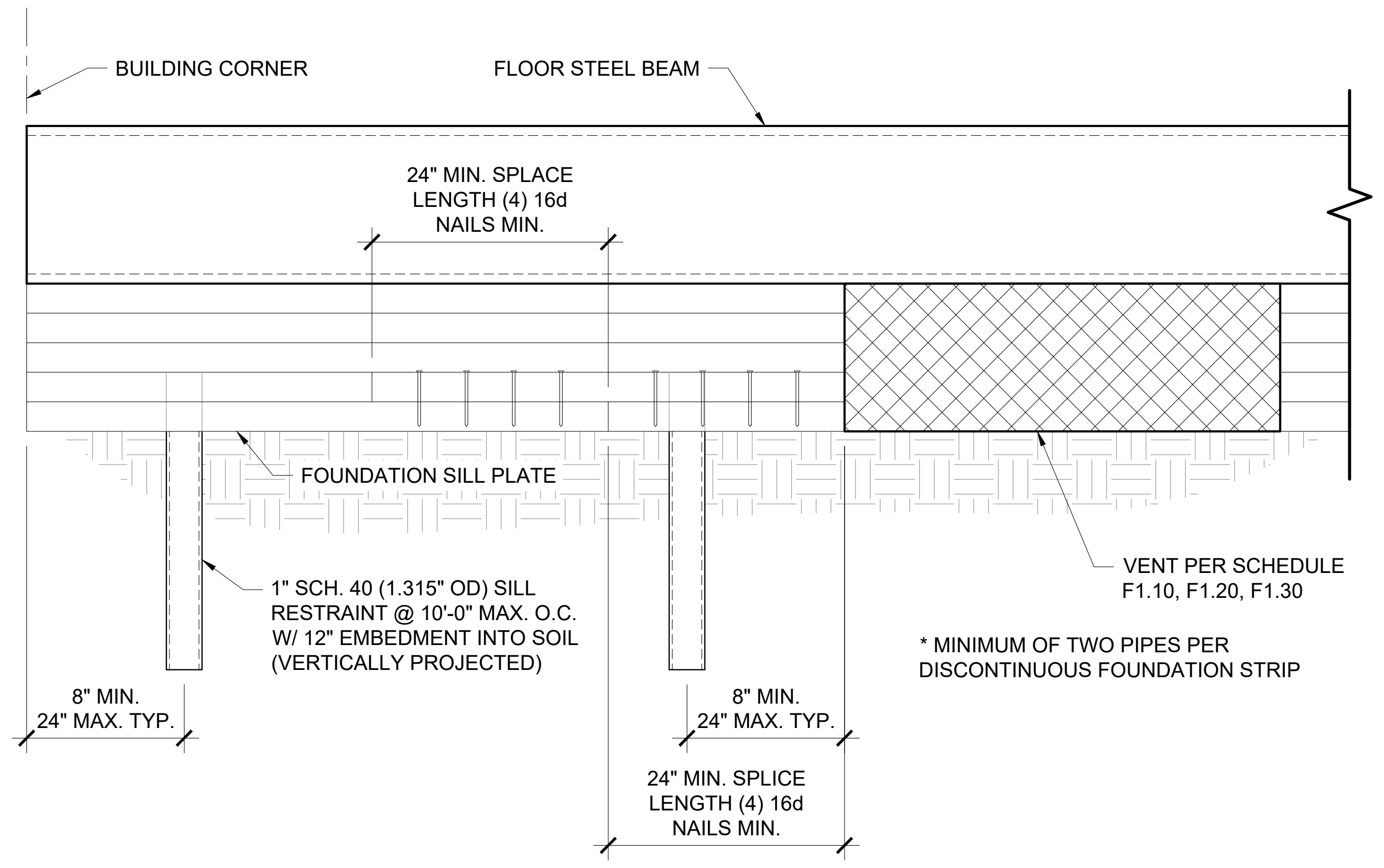
NOTE:
(BASED ON DSA IR-16-1, SECTIONS 2.2.3, 2.3, AND 2.4, ANY BUILDING UNDER 2160 SQ. FT. MAY BE LOWER THAN 18". THE REQUIREMENT FOR PRESERVATIVE FLOOR, FINISH SHEATHING, OR WALL FRAMING DOES NOT APPLY. A WAIVER OF DURABILITY WILL BE SUBMITTED FOR APPROVAL BY THE CLIENT'S APPPOINTED AGENT.)

* HEIGHT DEMAND TO MEET VENTILATION REQUIREMENT. SEE VENT SCHEDULE F1.10, F1.20, F1.30

5 *3" = 1'-0"*
SILL PLATE PROFILE


12"
1½"
3"
3"
3"
1½"
½"
(8) 1/4" x 2" TEK SCREWS TO STEEL BEAM
STEEL BEAM & FOUNDATION MATING LINE
STEEL BEAM
FOUNDATION
(8) 1/4" x 3" LAGS TO WOOD PLATES
¾"
1½"
1¼"
1½"
3¼"
2¾"
6"
Ø 5/16" HOLE TYP.
6" x 0.135" x 12" LONG ASTM 36 SHEAR PLATE

6 *3" = 1'-0"*
SHEAR PLATE


BUILDING CORNER
FLOOR STEEL BEAM
24" MIN. SPLACE LENGTH (4) 16d NAILS MIN.
FOUNDATION SILL PLATE
1" SCH. 40 (1.315" OD) SILL RESTRAINT @ 10'-0" MAX. O.C. W/ 12" EMBEDMENT INTO SOIL (VERTICALLY PROJECTED)
VENT PER SCHEDULE F1.10, F1.20, F1.30
8" MIN. 24" MAX. TYP.
8" MIN. 24" MAX. TYP.
24" MIN. SPLICE LENGTH (4) 16d NAILS MIN.

* MINIMUM OF TWO PIPES PER DISCONTINUOUS FOUNDATION STRIP

7 *1 1/2" = 1'-0"*
SPLICE AT SILLS

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆CONSULTING ◆ PROJECT
11590 W. BERNARDO COURT, SUITE 100
SAN DIEGO, CA
92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
RST#25218
MANNY D. FRISCH
No. S3380
Exp. 03/31/26
1.9.26

CLIENT
Class Leasing
1651 S. Juanita St. San Jacinto, CA 92583-5003
VOICE (951)943-1908 FAX (951)943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-125211 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 04/09/2026

REVISIONS

#	Description	Date

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A seperate project application for construction is required

PROJECT TITLE
PC 2022 CBC: 24' x 40'
EXPANDABLE TO 120' x 40'

SHEET TITLE
WOOD FOUNDATION
DETAILS

PROJECT NUMBER
22088

DRAWN BY
DDS

CHECKED BY

DATE
12/16/25

SHEET NO.
F1.40

ADDENDUM

Sheet List

Sheet Number	Sheet Name
A .0	TITLE SHEET
A0.0	COVER SHEET
A0.0.1	PROJECT OPTIONS SCHEDULE
A0.1	TYPICAL KEY PLAN AND SCHEDULES, GEN NOTES,
A0.2	SIGNAGE AND SYMBOLS
A0.3	DSA-103 T&I CONCRETE FLOORS
A0.4	DSA-103 T&I PLYWOOD FLOORS
A0.5	CALGREEN SPEC'S
A0.6	CAL GREEN CHECKLIST
A0.7	CAL GREEN CHECKLIST
Architectural	
A1.0	24x40 FLOOR PLAN
~~A1.1~~	~~36x40 FLOOR PLAN~~
~~A1.2~~	~~48x40 FLOOR PLAN~~
A2.1	ARCHITECTURAL DETAILS (WOOD FRAMING SHTG FINISH)
~~A2.2~~	~~ARCHITECTURAL DETAILS (WOOD FRAMING PLASTER FINISH)~~
~~A2.3~~	~~ARCHITECTURAL DETAILS (MTL FRAMING SHTG FINISH)~~
~~A2.4~~	~~ARCHITECTURAL DETAILS (MTL FRAMING PLASTER FINISH)~~
~~A2.5~~	~~ARCHITECTURAL DETAILS (1-HR WOOD FRAMING SHTG FINISH)~~
~~A2.6~~	~~ARCHITECTURAL DETAILS (1-HR WOOD FRAMING PLASTER FINISH)~~
~~A2.7~~	~~ARCHITECTURAL DETAILS (1-HR MTL FRAMING SHTG FINISH)~~
~~A2.8~~	~~ARCHITECTURAL DETAILS (1-HR MTL FRAMING PLASTER FINISH)~~
A2.9	ARCHITECTURAL DETAILS (FLOOR)
~~A3.0~~	~~ADDITIONAL FIRE RATING DETAILS AND NOTES~~
~~A3.1~~	~~SINGLE OCC. BATHROOM~~
A3.2	RCP
A3.2.1	CEILING NOTES
A3.3	CEILING DETAILS (T-GRID)
~~A3.4~~	~~CEILING DETAILS (GYP BOARD)~~
A4.0.1	ROOF PLAN MONO SLOPE (STANDING SEAM)
~~A4.0.2~~	~~ROOF PLAN DUAL SLOPE (STANDING SEAM)~~
A4.1	ROOF DETAILS (STANDING SEAM)
~~A4.2.1~~	~~ROOF PLAN MONO SLOPE (EPDM)~~
~~A4.2.2~~	~~ROOF PLAN DUAL SLOPE (EPDM)~~
~~A4.3~~	~~ROOF DETAILS (EPDM)~~
~~A4.4.1~~	~~ROOF PLAN w/ PARAPET MONO SLOPE (EPDM)~~
~~A4.5~~	~~ARCHITECTURAL DETAILS (PARAPET)~~
A5.0	SIDEWALL ELEVATION
A5.1	ENDWALL ELEVATIONS
A5.2	INTERIOR ELEVATIONS
A6.0	SECTION - STANDING SEAM (MONO)
~~A6.0.1~~	~~SECTION - STANDING SEAM (DUAL)~~
~~A6.1~~	~~SECTION - EPDM (DUAL)~~
A6.2	SECTION
~~A6.3~~	~~SECTION - EPDM (MONO)~~
MEP	
E1.0	ELECTRICAL PLAN 24x40
E1.1	ELECTRICAL SCHEDULES 24x40
~~E1.2~~	~~ELECTRICAL PLAN 36x40~~
~~E1.3~~	~~ELECTRICAL SCHEDULE 36x40~~
~~E1.4~~	~~ELECTRICAL PLAN 48x40~~
~~E1.5~~	~~ELECTRICAL SCHEDULE 48x40~~
M0.1	MISCELLANEOUS NOTES & DETAILS
M1.0	RESERVED FOR T24 ENERGY CALCS
M2.0	RESERVED FOR T24 ENERGY CALCS
M3.0	RESERVED FOR T24 ENERGY CALCS
M4.0	RESERVED FOR T24 ENERGY CALCS
M5.1	MECHANICAL CEILING PLAN 24x40
~~M5.2~~	~~MECHANICAL ROOF MOUNT 24x40~~
~~M6.1~~	~~MECHANICAL CEILING PLAN 36x40~~
~~M6.2~~	~~MECHANICAL ROOF MOUNT 36x40~~
~~M7.1~~	~~MECHANICAL CEILING PLAN 48x40~~
~~M7.2~~	~~MECHANICAL ROOF MOUNT 48x40~~
~~P1.0~~	~~TYPICAL PLUMBING DETAILS~~

Sheet List

Sheet Number	Sheet Name
Foundation	
F1.10	WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 50+15
F1.11	WOOD FOUNDATION PLAN 24x40 BLDG W/ 50+15
~~F1.12~~	~~WOOD FOUNDATION 36x40 BLDG W/ 50+15~~
~~F1.13~~	~~WOOD FOUNDATION PLAN 48x40 BLDG W/ 50+15~~
~~F1.14~~	~~MODLINE "B" W/ EXTERIOR WALLS BACK-TO-BACK 100 PSF~~
~~F1.20~~	~~WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 100PSF~~
~~F1.21~~	~~WOOD FOUNDATION PLAN 24x40 BLDG W/ 100 PSF~~
~~F1.22~~	~~WOOD FOUDATION PLAN 36x40 BLDG W/ 100 PSF~~
~~F1.23~~	~~WOOD FOUNDATION PLAN 48x40 BLDG W/ 100 PSF~~
~~F1.24~~	~~MODLINE "B" W/ EXTERIOR WALLS BACK-TO-BACK 100 PSF~~
~~F1.30~~	~~WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 150 PSF~~
~~F1.31~~	~~WOOD FOUNDATION PLAN 24X40 BLDG W/ 150 PSF~~
~~F1.32~~	~~WOOD FOUNDATION PLAN 36x40 BLDG W/ 150 PSF~~
~~F1.33~~	~~WOOD FOUNDATION PLAN 48x40 BLDG W/ 150 PSF~~
~~F1.34~~	~~MODLINE "B" W/ EXTERIOR WALL BACK-TO-BACK 150 PSF~~
F1.40	WOOD FOUNDATION DETAILS
~~F2.10~~	~~CONCRETE FOUNDATION PLAN~~
~~F2.20~~	~~CONCRETE FOUNDATION DETAILS~~
~~F2.22~~	~~CONCRETE FOUNDATION DETAILS~~
~~F2.23~~	~~CONCRETE FOUNDATION DETAILS~~
Structural	
S0.1	STRUCTURAL GEN NOTES
S1.0.1	WD SHTH'G FLR FRM'G PLAN (50+15 PSF)
~~S1.0.2~~	~~WD SHTH'G FLR FRM'G PLAN (100 PSF)~~
~~S1.0.3~~	~~WD SHTH'G FLR FRM'G PLAN (150 PSF)~~
~~S1.1.1~~	~~CONC FLR FRM'G PLAN (50+15 PSF)~~
~~S1.1.2~~	~~CONC FLR FRM'G PLAN (100 PSF)~~
~~S1.1.3~~	~~CONC FLR FRM'G PLAN (150 PSF)~~
S1.2	STRUCTURAL DETAILS (FLOOR)
S3.0.1	MONO SLOPE ROOF FRM'G PLAN
~~S3.0.2~~	~~DUAL SLOPE ROOF FRM'G PLAN~~
S3.1	STRUCTURAL DETAILS (ROOF)
~~S3.2~~	~~ROOF DETAILS (SOFFIT/PARAPET)~~
S3.3	ROOF PERIMETER TRUSS
~~S4.0~~	~~MTL WALL FRAMING ELEVATIONS~~
S4.1	WD WALL FRAMING ELEVATIONS
S4.2	WALL DETAILS (WOOD FRAMING)
~~S4.3~~	~~WALL DETAILS (MTL FRAMING)~~
S4.4	TYP FRAMING
S4.5	FRAMING SCHEDULES
S5.0	LONG. SECTION - (MONO)
S5.1	LONG SECTION - (DUAL)
Under Separate Cover	
~~FS-1~~	~~FIRE SPRINKLER DESIGN 1~~
~~FS-2~~	~~FIRE SPRINKLER DESIGN 2~~

SR0 - MODULE PLAN AND NOTES
SR1 - RAMP AND LANDING PLAN
SR2 - RAMP AND LANDING FRAMING
SR3 - FOUNDATION PLAN
SR4 - RAMP AND LANDING / STAIR FRAMING
SR5 - RAMP DETAILS
SR6 - RAMP DETAILS

CLASS LEASING, LLC. STOCKPILE
(70) 2440 Relocatable CR Bldgs
SERIAL NUMBERS:

P 17 1601 A/B
P 17 1602 A/B
P 17 1603 A/B
P 17 1604 A/B
P 17 1605 A/B
P 17 1606 A/B
P 17 1607 A/B
P 17 1608 A/B
P 17 1609 A/B
P 17 1610 A/B
P 17 1611 A/B
P 17 1612 A/B
P 17 1613 A/B
P 17 1614 A/B
P 17 1615 A/B
P 17 1616 A/B
P 17 1617 A/B
P 17 1618 A/B
P 17 1619 A/B
P 17 1620 A/B
P 17 1621 A/B
P 17 1622 A/B
P 17 1623 A/B
P 17 1624 A/B
P 17 1625 A/B
P 17 1626 A/B
P 17 1627 A/B
P 17 1628 A/B
P 17 1629 A/B
P 17 1630 A/B
P 17 1631 A/B
P 17 1632 A/B
P 17 1633 A/B
P 17 1634 A/B
P 17 1635 A/B
P 17 1636 A/B
P 17 1637 A/B
P 17 1638 A/B
P 17 1639 A/B
P 17 1640 A/B
P 17 1641 A/B
P 17 1642 A/B
P 17 1643 A/B
P 17 1644 A/B
P 17 1645 A/B
P 17 1646 A/B
P 17 1647 A/B
P 17 1648 A/B
P 17 1649 A/B
P 17 1650 A/B
P 17 1651 A/B
P 17 1652 A/B
P 17 1653 A/B
P 17 1654 A/B
P 17 1655 A/B
P 17 1656 A/B
P 17 1657 A/B
P 17 1658 A/B
P 17 1659 A/B
P 17 1660 A/B
P 17 1661 A/B
P 17 1662 A/B
P 17 1663 A/B
P 17 1664 A/B
P 17 1665 A/B
P 17 1666 A/B
P 17 1667 A/B
P 17 1668 A/B
P 17 1669 A/B
P 17 1670 A/B

CLASS LEASING, LLC. STOCKPILE
(20) 3640 Relocatable CR Bldgs
SERIAL NUMBERS:

P 17 1671 A/B/C
P 17 1672 A/B/C
P 17 1673 A/B/C
P 17 1674 A/B/C
P 17 1675 A/B/C
P 17 1676 A/B/C
P 17 1677 A/B/C
P 17 1678 A/B/C
P 17 1679 A/B/C
P 17 1680 A/B/C
P 17 1681 A/B/C
P 17 1682 A/B/C
P 17 1683 A/B/C
P 17 1684 A/B/C
P 17 1685 A/B/C
P 17 1686 A/B/C
P 17 1687 A/B/C
P 17 1688 A/B/C
P 17 1689 A/B/C
P 17 1690 A/B/C

CLASS LEASING, LLC. STOCKPILE
(10) 4840 Relocatable CR Bldgs
SERIAL NUMBERS:

P 17 1691 A/B/C/D
P 17 1692 A/B/C/D
P 17 1693 A/B/C/D
P 17 1694 A/B/C/D
P 17 1695 A/B/C/D
P 17 1696 A/B/C/D
P 17 1697 A/B/C/D
P 17 1698 A/B/C/D
P 17 1699 A/B/C/D
P 17 1700 A/B/C/D

EL MONTE USD - ARROYO HS

STKP# 164
(1) 24X40 R.H.
SN: P-17-1611 A/B

(1) 24X40 L.H.
SN: 1P-17-1625 A/B

CLASS LEASING LLC

PC # 04-114654

24' x 40' EXPANDABLE TO 48' x 40'

@	AT
AB	ANCHOR BOLT
ABC	AGGREGATE BASE COURSE
ABV	ABOVE
AD	AREA DRAIN
ADD	ADDENDUM
ADH	ADHESIVE
ADJ	ADJACENT, ADJUSTABLE
ADOH	ALTERNATE DIRECTION OF HOOK
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR (AGE)
ANOD	ANODIZED
APPRX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ASPH	ASPHALT
AUTO	AUTOMATIC
B	BOTTOM
BB	BOND BEAM
BC	BOTTOM CHORD
BD	BOARD
BEG	BEGIN (ING)
BEL	BELOW
BIT	BITUMINOUS
BJT	BED JOINT
BLDG	BUILDING
BLK	BLOCK ('G, ING)
BLW	BELOW
BM	BEAM
BMK	BENCH MARK
BO*	BOTTOM OF ____
BPL	BEARING PLATE
BRD	BOARD
BRDG	BRIDGING
BRG	BEARING
BRK	BRICK
BRZ	BRONZE
BS	BOTH SIDES
BTWN	BETWEEN
BVL	BEVELED
BW	BOTH WAYS
C	CHANNEL, COMPRESSION
CAD	CADMIUM
CAM	CAMBER
C/C	CENTER TO CENTER
CEM	CEMENT
CF	CUBIC FOOT
CHAM	CHAMFER
CI	CAST IRON
CIP	CAST-IN-PLACE
CIR	CIRCLE
CIRC	CIRCUMFERENCE
CJ	CONSTRUCTION JOINT
CJT	CONTROL JOINT
CLG	CEILING
CLK	CAULK, ('G, ING)
CLKG	CAULKING
CLR	CLEAR
CLS	CLOSURE
CM	CENTIMETER
CMP	CORRUDATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CNTR	CENTER
COL	COLUMN
COG	CENTER OF GRAVITY
COMB	COMBINATION
COMP	COMPRESS (ED)(ION)(IBLE)
COMPO	COMPOSITE
CONN	CONNECT (ION)
CONC	CONCRETE
CONST	CONSTRUCT (ION) (ED)
CONT	CONTINUE, CONTINUOUS
CONTR	CONTRACTOR
COR	CORRUGATED
CP	COMPLETE PENETRATION
CPG	COPING
CPR	COPPER
CRS	COURSE (S)
CS	COUNTERSINK
CTSK	COUNTERSUNK SCREW
CU	CUBIC
CX	CONNECTION
CY	CUBIC YARD
D	DEEP, DEPTH
DBL	DOUBLE
DEF	DEFLECTION
DEG	DEGREE
DEM0	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DEPT	DEPARTMENT
DET	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION (ED)
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DP	DAMPROOFING
DWL	DOWEL (ED)
DWG	DRAWING, (S)
E	EAST, MODULUS OF ELASTICITY
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EJT	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC (AL)
ENCL	ENCLOSURE, ENCLOSED
ENG	ENGINEER
EQ	EQUAL, EQUALIBRIUM
EQUIP	EQUIPMENT
ESTM	ESTIMATE (ED)
EV	EXPANSION BOLT
EW	EACH WAY
EXCA	EXCAVATE (D) (ION)
(E), EXIST	EXISTING
EXMP	EXPANDED METAL PLATE
EXP	EXPOSED
EXPN	EXPANSION
EXS	EXTRA STRONG
EXT	EXTERIOR, EXTERNAL
FAS	FASTENER
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FHMS	FLATHEAD MACHINE SCREW
FHS	FIRE HOSE STATION
FHWS	FLATHEAD WOOD SCREW
FIN	FINISH (ED)
FIXT	FIXTURE
FJT	FLUSH JOINT
FLR	FLOOR
FLUR	FLUORESCENT
FLEX	FLEXIBLE
FND	FOUNDATION
FO*	FACE OF ____
FP	FIREPROOF (ED)
FP'G	FIREPROOFING
FR	FRAME (D)(ING)
FRC	FIRE RESISTANT COATING
FRGD	FORGED
FRMG	FRAMING
FT	FOOT, FEET
FTG	FOOTING
FURR	FURRED, FURRING
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GKT	GASKET
GL	GLASS, GLAZING
GLM	GLULAM
GP	GALVANIZED PIPE
GPM	GALLONS PER MINUTE
GPPL	GYPSUM PLASTER
GRVL	GRAVEL, GRANULAR
GRD	GRADE, GRADING
GRN	GRANITE
GSS	GALVANIZED SHEET STEEL
GT	GROUT
GVL	GRAVEL
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H	HIGH
HBD	HARDBOARD
HC	HOLLOW CORE
HD	HEAVY DUTY
HDNR	HARDENER
HDR	HEADER
HDWR	HARDWARE
HDWD	HARDWOOD
HES	HIGH EARLY STRENGTH CEMENT
HH	HANDHOLE
HJT	HEADJOINT
HK	HOOK
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HOUR
HSA	HEADED STUD ANCHOR
HSB	HIGH STRENGHT BOLT
HT	HEIGHT
HWD	HARDWOOD
ID	INSIDE DIAMETER
IN	INCHE (ES)
INCL	INCLUDE (D), INCLUDING
INSUL	INSULATE, INSULATION
INT	INTERIOR
INTM	INTERMEDIATE
INV	INVERT
JST	JOIST
JT	JOINT
K	KIP (S)
KO	KNOCKOUT
KSI	KIPS PER SQUARE INCH
L	LONG, LENGTH
LAM	LAMINATE (D)
LB	POUND, LAG BOLT
LBL	LABEL
LC	LIGHT CONTROL
LD	DEVELOPMENT LENGHT
LF	LINEAR FOOT
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LPT	LOW POINT
LT	LIGHT
LTL	LINTEL
LVL	LEVEL (ING)
LW	LIGHT WEIGHT
LWC	LIGHT WEIGHT CONCRETE
LWF	LIGHT WEIGHT FILL
M	METER (S) MOMENT
MATL	MATERIAL
MAS	MASONRY
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MEMBER
MCONN	MOMENT CONNECTION
MECH	MECHANICAL
MED	MEDIUM
MET	METAL
MEMB	MEMBER
MEP	MECHANICAL, ELECTRICAL, & PLUMBING
MFD	METAL FLOOR DECKING
MFR	MANUFACTURE (R) (ED)
MID	MID, MIDDLE
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
MM	MILLIMETER (S)
MMB	MEMBRANE
MO	MASONRY OPENING
MOD	MODEL
MODU	MODULAR
MOV	MOVABLE
MTL	MATERIAL
N	NORTH, NEW
NAT	NATURAL
NL	NAILABLE
NMT	NONMETALLIC
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
o.c.	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OHMS	OVALHEAD MACHINE SCREW
OHWS	OVALHEAD WOOD SCREW
OJ	OPEN-WEB JOINT (S)
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PAR	PARALLEL
PBD	PARTICLE BOARD
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCS	PIECES
PERF	PERFORATE (D)
PERI	PERIMETER
PFB	PREFABRICATE (D)
PFS	POUNDS PER SQUARE FOOT
PL	PLATE
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
P.L.	PARALLAM
PLWD	PLYWOOD
PMT	PAVEMENT
PNL	PANEL
POSTEN	POST TENSION (D)
PRETEN	PRETENSIONED
POLY	POLYETHYLENE
PR	PAIR
PRJ	PROJECT
PSC	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
P.T.	PRESSURE TREATED
PTC	POST-TENSIONED CONCRETE
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QTY	QUANTITY
R	RADIUS, RISER
RAD	RADIUS
RD	ROOF DRAIN
RECT	RETANGULAR
REF	REFERENCE, REFER TO
REINF	REFORCE (D) (ING)
REM	REMOVE
REQD	REQUIRED
REQS	REQUIREMENTS
RETG	RETAINING
REV	REVISION, REVISED
RFG	ROOFING
RFH	ROOF HATCH
RFL	REFLECT (ED)(IVE)(OR)
RM	ROOM
RO	ROUGH OPENING
RT	FIRE RETARDANT TREATED
RT	RUBBER TILE
RTG	RATING
RVS	REVERSE SIDE
RVT	RIVET
S	SOUTH
SC	SOLID CORE
SCHED	SCHEDULE
SDL	SUPERIMPOSED DEAD LOAD
SDS	SELF DRILL SCREW
SE	STRUCTURAL ENGINEER
SDST	SELF-DRILL, SELF-TAP'G SCREW
SECT	SECTION
SF	SQUARE FOOT, SQUARE FEET
SHO	SHORE, SHORING
SHT	SHEET
SHTH	SHEATHING
SI	SQUARE INCH
SIM	SIMILAR
SL	SLOPE
SLNT	SEALANT
SMS	SHEET METAL SCREW
SOG	SLAB ON GRADE
SPA	SPACE, (ING)
SPC	SPACER
SPEC	SPECIFICATION (S)
SQ	SQUARE
SSTL	STAINLESS STEEL
STG	STAGGERED
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE
STR	STRUCTURAL
SYM	SYMETRICAL, SYMETRY
SYS	SYSTEM
T	TOP, TORSION, TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TC	TOP CHORD
TEN	TESION, TENSILE
TEMP	TEMPORARY, TEMPERATURE
THD	THREAD (ED)
THK	THICK (NESS)
TMPD	TEMPERED
TO*	TOP OF ____
TL	TOTAL LOAD
TR	TREAD
TS	TUBE STEEL
TYP	TYPICAL
UC	UNDERCUT
UGD	UNDERGROUND
UL	UNDEREWRITERS LABORATORY
UND	UNDER
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
V	SHEAR FORCE, VELOCITY
VB	VAPOR BARRIER
VER	VERIFY
VERT	VERTICAL
VG	VERTICAL GRAIN
VIF	VERIFY IN FIELD
VJ	V-JOINTED
VNR	VENEER
V.T.R.	VENT THROUGH ROOF
W	WEST, WIDTH, WIDE, WIDE FLANGE
W/	WITH
W/O	WITHOUT
WD	WOOD
WI	WROUGHT IRON
WM	WIRE MESH
WP	WATERPROFFING
WPR	WATER REPELLENT
WPT	WORKING POINT
WS	WATER STOP
WT	WEIGHT
WTW	WALL TO WALL (W/W)
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

9 *1" = 1'-0"*
ABBREVIATIONS

CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)

SCOPE OF WORK

BUILDING DESIGN

NUMBER OF STORIES: 1
OCCUPANCY: "E"
CONSTRUCTION TYPE: VB
FLOOR LIVE LOAD: ☐ 50+15 PSF PARTITION ☐ 100 PSF ☐ 150 PSF
FLOOR DEAD LOAD: ☐ WOOD FLOOR - 11 PSF ☐ CONC. FLOOR - 33 PSF

ROOF LIVE LOAD: 20 PSF
ROOF SNOW LOAD: 0 PSF
ROOF DEAD LOAD: 17 PSF (INCLUDES SPRINKLER)

BUILDING AREA	**NO OVERHANG**	**WITH OVERHANG**
ALLOWABLE AREA =9,000 sf	☐ 24x40 960 sf	☐ 24x40 1140 sf
	☐ 36x40 1440 sf	☐ 36x40 1710 sf
	☐ 48x40 1920 sf	☐ 48x40 2280 sf

FOUNDATION: ☐ WOOD ☐ CONCRETE

CEC CLIMATE ZONE: 1-16

WIND DESIGN

ULTIMATE DESIGN SPEED: Vult = 130 mph, 3 sec GUST, Kzt = 1.0
RISK CATEGORY: II
EXPOSURE: C

EARTHQUAKE DESIGN

RISK CATEGORY: II
SEISMIC IMPORTANCE FACTOR: I = 1
MAPPED SPECTRAL RESPONSE: Ss = 1.5 (FOR BUILDING Cs) Ss = 1.875 (FOR COMPONENTS Cs) S1 = 0.675
SITE CLASS: D
SEISMIC DESIGN CATEGORY: D
DEISIGN SPECTRAL RESPONSE: Sds = 1.00, Sd1 = 0.68
RESPONSE COEFFICIENT, Cs: 0.286
BASIC SEISMIC FORCE-RESISTING SYS: OMF, R = 3.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
BASE SHEAR PER 12X40 MODULE:
WOOD FLOOR, LL ≤ 100, BASE SHEAR= 9.61 kip
WOOD FLOOR, LL = 150, BASE SHEAR= 12.94 kip
CONC. FLOOR, LL ≤ 100, BASE SHEAR= 12.63 kip
CONC. FLOOR, LL = 150, BASE SHEAR= 17.77 kip

5 *12" = 1'-0"*
DESIGN LOADS

PARTIAL LIST OF APPLICABLE CODES AS OF July 1, 2014

2013 Administrative Code, Part 1, Title 24 C.C.R. *
2013 California Building Code (CBC), Part 2, Title 24 C.C.R.
(2012 International Building Code Volumes 1-2 and 2013 California Amendments)
2013 California Electrical Code (CEC), Part 3, Title 24 C.C.R.
(2011 National Electrical Code and 2013 California Amendments)
2013 California Mechanical Code (CMC), Part 4, Tiltle 24 C.C.R.
(2012 Uniform Mechanical Code and 2013 California Amendments)
2013 California Plumbing Code (CPC), Part 5, Title 24 C.C.R.
(2012 Uniform Plumbing Code and 2013 California Amendments)
2013 California Energy Code (CEC), Part 6, Title 24 C.C.R
2013 California Fire Code, Part 9, Title 24 C.C.R.
(2012 International Fire Code and 2013 California Amendments)
2013 California Green Building Standards Code, Part 11, Title 24 C.C.R.
2013 California Referenced Standards, Part 12, Title 24 C.C.R
Title 19 C.C.R., Public Safety, State Fire Marshal Regulations.
2007 ASME A17.1 (w/ A17.1a/CSA B44a-08 addenda) Safety Code for Elevators and Escalators

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	Automatic Sprinkler Systems	2013 Edition
NFPA 14	Standpipe Systems	2013 Edition
NFPA 17	Dry Chemical Extinguishing Systems	2013 Edition
NFPA 17a	Wet Chemical Systems	2013 Edition
NFPA 20	Stationary Pumps	2013 Edition
NFPA 22	Water Tanks for Private Fire Protection	2013 Edition
NFPA 24	Private Fire Mains	2013 Edition
NFPA 72	National Fire Alarm Code	2013 Edition
NFPA 80	Fire Doors and Other Opening Protectives	2013 Edition
NFPA 92	Standard for Smoke Control Systems	2012 Edition
NFPA 253	Critical Radiant Flux of Floor Covering Systems	2006 Edition
NFPA 2001	Clean Agent Fire Extinguishing Systems	2012 Edition
ICC 300	ICC Standards on Bleachers, Folding and Telescoping Seating and Grand stands	2012 Edition
UL 300	Fire Testing of Fire Extinguishing System for Protection Of Restaurant Cooking Areas	2005 Edition
UL 464	Audible Signal Appliances	2003 Edition
UL 521	Heat Detectors for Fire Protective Signaling Systems	1999 Edition

Reference Code Section for NFPA Standards - 2013 CBC (SFM) Chapter 35. See Chapter 35 for State of California amendments to NFPA Standards.

* California Administrative Code, Part 1, Chapter 10, Administrative Regulations for the California Energy Commission (CEC).

3 *12" = 1'-0"*
DESIGN CODES

CODE	ADOPTED YEAR	ITEM
NFPA 13	2013	AUTOMATIC SPRINKLER SYSTEMS
NFPA 72	2013	NATIONAL FIRE ALARM CODE w/ CALIFORNIA AMENDMENTS

NOTE: VISUAL DEVICES PER UL STANDARD 1971

2 *12" = 1'-0"*
NFPA STANDARDS

1. ARCHITECT OF RECORD SHALL PROVIDE FIRE ALARM DRAWINGS WITH SITE ADAPTED PROJECTS. FIRE ALARM IS NOT PART OF THIS PC.
2. THIS PC HAS BEEN STRUCTURALLY DESIGNED TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM
3. ALLOWABLE AREA IS BASED ON 10'-0" SETBACK FROM ASSUMED LINE
4. PC DESIGNED AS A SINGLE-STORY MODULAR BUILDING
5. SEE STRUCTURAL FOR SOIL TYPES & BEARING STRENGTHS
6. WORK SHALL CONFORM TO TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USAGE
8. EXTERIOR PROJECTIONS TO BE FIRE PROTECTED WHERE REQUIRED
9. SEE A0.5 AND ENGERY CALC M-SHEETS FOR REQUIRED ENVELOPE ASSEMBLIES & HVAC SYSTEMS
10. ALL SPECIFICATIONS BASED ON PERFORMANCE AND ABLE TO BE SUBSTITUTED BY "EQUAL" PRODUCTS PENDING APPROVAL BY D.S.A.
11. BUILDINGS TO COMPLY WITH WILDLAND URBAN INTERFACE GUIDELINES WHERE APPLICABLE
12. BUILDING AND SITE FEATURES MUST COMPLY WITH CALGREEN CODE FOR ITS SPECIFIC LOCATION WHEN ADAPTED FOR SITE-USE
13. SHOULD THIS P.C. CLASSROOM BE DESIGNED TO CONNECT TO ANOTHER P.C. CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE WALL AND FLOOR-CEILING ASSEMBLY MUST MEET A MINIMUM STC OF 40 PER CALGREEN

1 *12" = 1'-0"*
GENERAL NOTES

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISBIE No. S3380 STRUCTURAL
Manny D. Frisbie
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE 2013 CBC A SEP. PROJECT APPLICATION IS REQUIRED
~~IDENTIFICATION STAMP~~
~~DIV. OF THE STATE ARCHITECT~~
~~OFFICE OF REGULATION SERVICES~~
~~PC 04-114654~~
~~AC SL FLS SS~~
~~DATE MAR 18 2016~~
ACS: J. CYLE
FLS: JARED ATALYAN
SS: P. ROONEY

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS RF SS
DATE DEC 08 2016
ACS: J. CYLE
FLS: R. FERRER
SSR: VINCE NUTILE

Revision Schedule

#	Description	Date

SHEET TITLE
COVER SHEET

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A0

SHEET OF SHEETS

ADDENDUM

Sheet List

Sheet Number	Sheet Name
Cover	
A0.0	COVER SHEET
A0.0.1	PROJECT OPTIONS SCHEDULE
A0.1	TYPICAL KEY PLAN AND SCHEDULES, GEN NOTES,
A0.2	SIGNAGE AND SYMBOLS
A0.3	DSA-103 T&I CONCRETE FLOORS
A0.4	DSA-103 T&I PLYWOOD FLOORS
A0.5	CALGREEN SPEC'S
A0.6	CAL GREEN CHECKLIST
A0.7	CAL GREEN CHECKLIST
Architectural	
A1.0	24x40 FLOOR PLAN
~~A1.1~~	~~36x40 FLOOR PLAN~~
~~A1.2~~	~~48x40 FLOOR PLAN~~
A2.1	ARCHITECTURAL DETAILS (WOOD FRAMING SHTG FINISH)
~~A2.2~~	~~ARCHITECTURAL DETAILS (WOOD FRAMING PLASTER FINISH)~~
~~A2.3~~	~~ARCHITECTURAL DETAILS (MTL FRAMING SHTG FINISH)~~
~~A2.4~~	~~ARCHITECTURAL DETAILS (MTL FRAMING PLASTER FINISH)~~
~~A2.5~~	~~ARCHITECTURAL DETAILS (1-HR WOOD FRAMING SHTG FINISH)~~
~~A2.6~~	~~ARCHITECTURAL DETAILS (1-HR WOOD FRAMING PLASTER FINISH)~~
~~A2.7~~	~~ARCHITECTURAL DETAILS (1-HR MTL FRAMING SHTG FINISH)~~
~~A2.8~~	~~ARCHITECTURAL DETAILS (1-HR MTL FRAMING PLASTER FINISH)~~
A2.9	ARCHITECTURAL DETAILS (FLOOR)
~~A3.0~~	~~ADDITIONAL FIRE RATING DETAILS AND NOTES~~
~~A3.1~~	~~SINGLE OCC. BATHROOM~~
A3.2	RCP
A3.2.1	CEILING NOTES
A3.3	CEILING DETAILS (T-GRID)
~~A3.4~~	~~CEILING DETAILS (GYP BOARD)~~
A4.0.1	ROOF PLAN MONO SLOPE (STANDING SEAM)
~~A4.0.2~~	~~ROOF PLAN DUAL SLOPE (STANDING SEAM)~~
A4.1	ROOF DETAILS (STANDING SEAM)
~~A4.2.1~~	~~ROOF PLAN MONO SLOPE (EPDM)~~
~~A4.2.2~~	~~ROOF PLAN DUAL SLOPE (EPDM)~~
~~A4.3~~	~~ROOF DETAILS (EPDM)~~
~~A4.4.1~~	~~ROOF PLAN w/ PARAPET MONO SLOPE (EPDM)~~
~~A4.5~~	~~ARCHITECTURAL DETAILS (PARAPET)~~
A5.0	SIDEWALL ELEVATION
A5.1	ENDWALL ELEVATIONS
A5.2	INTERIOR ELEVATIONS
A6.0	SECTION - STANDING SEAM (MONO)
~~A6.0.1~~	~~SECTION - STANDING SEAM (DUAL)~~
~~A6.1~~	~~SECTION - EPDM (DUAL)~~
A6.2	SECTION
~~A6.3~~	~~SECTION - EPDM (MONO)~~
MEP	
E1.0	ELECTRICAL PLAN 24x40
E1.1	ELECTRICAL SCHEDULES 24x40
~~E1.2~~	~~ELECTRICAL PLAN 36x40~~
~~E1.3~~	~~ELECTRICAL SCHEDULE 36x40~~
~~E1.4~~	~~ELECTRICAL PLAN 48x40~~
~~E1.5~~	~~ELECTRICAL SCHEDULE 48x40~~
M0.1	MISCELLANEOUS NOTES & DETAILS
M1.0	RESERVED FOR T24 ENERGY CALCS
M2.0	RESERVED FOR T24 ENERGY CALCS
M3.0	RESERVED FOR T24 ENERGY CALCS
M4.0	RESERVED FOR T24 ENERGY CALCS
M5.1	MECHANICAL CEILING PLAN 24x40
~~M5.2~~	~~MECHANICAL ROOF MOUNT 24x40~~
~~M6.1~~	~~MECHANICAL CEILING PLAN 36x40~~
~~M6.2~~	~~MECHANICAL ROOF MOUNT 36x40~~
~~M7.1~~	~~MECHANICAL CEILING PLAN 48x40~~
~~M7.2~~	~~MECHANICAL ROOF MOUNT 48x40~~
~~P1.0~~	~~TYPICAL PLUMBING DETAILS~~

Sheet List

Sheet Number	Sheet Name
Foundation	
F1.10	WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 50+15
F1.11	WOOD FOUNDATION PLAN 24x40 BLDG W/ 50+15
~~F1.12~~	~~WOOD FOUNDATION 36x40 BLDG W/ 50+15~~
~~F1.13~~	~~WOOD FOUNDATION PLAN 48x40 BLDG W/ 50+15~~
~~F1.14~~	~~MODLINE "B" W/ EXTERIOR WALLS BACK-TO-BACK 100 PSF~~
~~F1.20~~	~~WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 100PSF~~
~~F1.21~~	~~WOOD FOUNDATION PLAN 24x40 BLDG W/ 100 PSF~~
~~F1.22~~	~~WOOD FOUDATION PLAN 36x40 BLDG W/ 100 PSF~~
~~F1.23~~	~~WOOD FOUNDATION PLAN 48x40 BLDG W/ 100 PSF~~
~~F1.24~~	~~MODLINE "B" W/ EXTERIOR WALLS BACK-TO-BACK 100 PSF~~
~~F1.30~~	~~WOOD FOUNDATION NOTES SCHED FOR BLDG W/ 150 PSF~~
~~F1.31~~	~~WOOD FOUNDATION PLAN 24X40 BLDG W/ 150 PSF~~
~~F1.32~~	~~WOOD FOUNDATION PLAN 36x40 BLDG W/ 150 PSF~~
~~F1.33~~	~~WOOD FOUNDATION PLAN 48x40 BLDG W/ 150 PSF~~
~~F1.34~~	~~MODLINE "B" W/ EXTERIOR WALL BACK-TO-BACK 150 PSF~~
F1.40	WOOD FOUNDATION DETAILS
~~F2.10~~	~~CONCRETE FOUNDATION PLAN~~
~~F2.20~~	~~CONCRETE FOUNDATION DETAILS~~
~~F2.22~~	~~CONCRETE FOUNDATION DETAILS~~
~~F2.23~~	~~CONCRETE FOUNDATION DETAILS~~
Structural	
S0.1	STRUCTURAL GEN NOTES
S1.0.1	WD SHTH'G FLR FRM'G PLAN (50+15 PSF)
~~S1.0.2~~	~~WD SHTH'G FLR FRM'G PLAN (100 PSF)~~
~~S1.0.3~~	~~WD SHTH'G FLR FRM'G PLAN (150 PSF)~~
~~S1.1.1~~	~~CONC FLR FRM'G PLAN (50+15 PSF)~~
~~S1.1.2~~	~~CONC FLR FRM'G PLAN (100 PSF)~~
~~S1.1.3~~	~~CONC FLR FRM'G PLAN (150 PSF)~~
S1.2	STRUCTURAL DETAILS (FLOOR)
S3.0.1	MONO SLOPE ROOF FRM'G PLAN
~~S3.0.2~~	~~DUAL SLOPE ROOF FRM'G PLAN~~
S3.1	STRUCTURAL DETAILS (ROOF)
~~S3.2~~	~~ROOF DETAILS (SOFFIT/PARAPET)~~
S3.3	ROOF PERIMETER TRUSS
~~S4.0~~	~~MTL WALL FRAMING ELEVATIONS~~
S4.1	WD WALL FRAMING ELEVATIONS
S4.2	WALL DETAILS (WOOD FRAMING)
~~S4.3~~	~~WALL DETAILS (MTL FRAMING)~~
S4.4	TYP FRAMING
S4.5	FRAMING SCHEDULES
S5.0	LONG. SECTION - (MONO)
S5.1	LONG SECTION - (DUAL)
Under Separate Cover	
~~FS-1~~	~~FIRE SPRINKLER DESIGN 1~~
~~FS-2~~	~~FIRE SPRINKLER DESIGN 2~~

SR0 - MODULE PLAN AND NOTES
SR1 - RAMP AND LANDING PLAN
SR2 - RAMP AND LANDING FRAMING
SR3 - FOUNDATION PLAN
SR4 - RAMP AND LANDING / STAIR FRAMING
SR5 - RAMP DETAILS
SR6 - RAMP DETAILS

CLASS
LEASING LLC

PC # 04-114654

24' x 40' EXPANDABLE TO 48' x 40'

@	AT
AB	ANCHOR BOLT
ABC	AGGREGATE BASE COURSE
ABV	ABOVE
AD	AREA DRAIN
ADD	ADDENDUM
ADH	ADHESIVE
ADJ	ADJACENT, ADJUSTABLE
ADOH	ALTERNATE DIRECTION OF HOOK
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR (AGE)
ANOD	ANODIZED
APPRX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ASPH	ASPHALT
AUTO	AUTOMATIC
B	BOTTOM
BB	BOND BEAM
BC	BOTTOM CHORD
BD	BOARD
BEG	BEGIN (ING)
BEL	BELOW
BIT	BITUMINOUS
BJT	BED JOINT
BLDG	BUILDING
BLK	BLOCK ('G, ING)
BLW	BELOW
BM	BEAM
BMK	BENCH MARK
BO*	BOTTOM OF ______
BPL	BEARING PLATE
BRD	BOARD
BRDG	BRIDGING
BRG	BEARING
BRK	BRICK
BRZ	BRONZE
BS	BOTH SIDES
BTWN	BETWEEN
BVL	BEVELED
BW	BOTH WAYS
C	CHANNEL, COMPRESSION
CAD	CADMIUM
CAM	CAMBER
C/C	CENTER TO CENTER
CEM	CEMENT
CF	CUBIC FOOT
CHAM	CHAMFER
CI	CAST IRON
CIP	CAST-IN-PLACE
CIR	CIRCLE
CIRC	CIRCUMFERENCE
CJ	CONSTRUCTION JOINT
CJT	CONTROL JOINT
CLG	CEILING
CLK	CAULK, ('G, ING)
CLKG	CAULKING
CLR	CLEAR
CLS	CLOSURE
CM	CENTIMETER
CMP	CORRUDATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CNTR	CENTER
COL	COLUMN
COG	CENTER OF GRAVITY
COMB	COMBINATION
COMP	COMPRESS (ED)(ION)(IBLE)
COMPO	COMPOSITE
CONN	CONNECT (ION)
CONC	CONCRETE
CONST	CONSTRUCT (ION) (ED)
CONT	CONTINUE, CONTINUOUS
CONTR	CONTRACTOR
COR	CORRUGATED
CP	COMPLETE PENETRATION
CPG	COPING
CPR	COPPER
CRS	COURSE (S)
CS	COUNTERSINK
CTSK	COUNTERSUNK SCREW
CU	CUBIC
CX	CONNECTION
CY	CUBIC YARD
D	DEEP, DEPTH
DBL	DOUBLE
DEF	DEFLECTION
DEG	DEGREE
DEM0	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DEPT	DEPARTMENT
DET	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION (ED)
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DP	DAMPROOFING
DWL	DOWEL (ED)
DWG	DRAWING, (S)
E	EAST, MODULUS OF ELASTICITY
EA	EACH
EB	EXPANSION BOLT
EF	EACH FACE
EJT	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC (AL)
ENCL	ENCLOSURE, ENCLOSED
ENG	ENGINEER
EQ	EQUAL, EQUALIBRIUM
EQUIP	EQUIPMENT
ESTM	ESTIMATE (ED)
EV	EXPANSION BOLT
EW	EACH WAY
EXCA	EXCAVATE (D) (ION)
(E), EXIST	EXISTING
EXMP	EXPANDED METAL PLATE
EXP	EXPOSED
EXPN	EXPANSION
EXS	EXTRA STRONG
EXT	EXTERIOR, EXTERNAL
FAS	FASTENER
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FHMS	FLATHEAD MACHINE SCREW
FHS	FIRE HOSE STATION
FHWS	FLATHEAD WOOD SCREW
FIN	FINISH (ED)
FIXT	FIXTURE
FJT	FLUSH JOINT
FLR	FLOOR
FLUR	FLUORESCENT
FLEX	FLEXIBLE
FND	FOUNDATION
FO*	FACE OF ______
FP	FIREPROOF (ED)
FP'G	FIREPROOFING
FR	FRAME (D)(ING)
FRC	FIRE RESISTANT COATING
FRGD	FORGED
FRMG	FRAMING
FT	FOOT, FEET
FTG	FOOTING
FURR	FURRED, FURRING
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GKT	GASKET
GL	GLASS, GLAZING
GLM	GLULAM
GP	GALVANIZED PIPE
GPM	GALLONS PER MINUTE
GPPL	GYPSUM PLASTER
GRVL	GRAVEL, GRANULAR
GRD	GRADE, GRADING
GRN	GRANITE
GSS	GALVANIZED SHEET STEEL
GT	GROUT
GVL	GRAVEL
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H	HIGH
HBD	HARDBOARD
HC	HOLLOW CORE
HD	HEAVY DUTY
HDNR	HARDENER
HDR	HEADER
HDWR	HARDWARE
HDWD	HARDWOOD
HES	HIGH EARLY STRENGTH CEMENT
HH	HANDHOLE
HJT	HEADJOINT
HK	HOOK
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HOUR
HSA	HEADED STUD ANCHOR
HSB	HIGH STRENGHT BOLT
HT	HEIGHT
HWD	HARDWOOD
ID	INSIDE DIAMETER
IN	INCHE (ES)
INCL	INCLUDE (D), INCLUDING
INSUL	INSULATE, INSULATION
INT	INTERIOR
INTM	INTERMEDIATE
INV	INVERT
JST	JOIST
JT	JOINT
K	KIP (S)
KO	KNOCKOUT
KSI	KIPS PER SQUARE INCH
L	LONG, LENGTH
LAM	LAMINATE (D)
LB	POUND, LAG BOLT
LBL	LABEL
LC	LIGHT CONTROL
LD	DEVELOPMENT LENGHT
LF	LINEAR FOOT
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LPT	LOW POINT
LT	LIGHT
LTL	LINTEL
LVL	LEVEL (ING)
LW	LIGHT WEIGHT
LWC	LIGHT WEIGHT CONCRETE
LWF	LIGHT WEIGHT FILL
M	METER (S) MOMENT
MATL	MATERIAL
MAS	MASONRY
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MEMBER
MCONN	MOMENT CONNECTION
MECH	MECHANICAL
MED	MEDIUM
MET	METAL
MEMB	MEMBER
MEP	MECHANICAL, ELECTRICAL, & PLUMBING
MFD	METAL FLOOR DECKING
MFR	MANUFACTURE (R) (ED)
MID	MID, MIDDLE
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
MM	MILLIMETER (S)
MMB	MEMBRANE
MO	MASONRY OPENING
MOD	MODEL
MODU	MODULAR
MOV	MOVABLE
MTL	MATERIAL
N	NORTH, NEW
NAT	NATURAL
NL	NAILABLE
NMT	NONMETALLIC
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
o.c.	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OHMS	OVALHEAD MACHINE SCREW
OHWS	OVALHEAD WOOD SCREW
OJ	OPEN-WEB JOINT (S)
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PAR	PARALLEL
PBD	PARTICLE BOARD
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCS	PIECES
PERF	PERFORATE (D)
PERI	PERIMETER
PFB	PREFABRICATE (D)
PFS	POUNDS PER SQUARE FOOT
PL	PLATE
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
P.L.	PARALLAM
PLWD	PLYWOOD
PMT	PAVEMENT
PNL	PANEL
POSTEN	POST TENSION (D)
PRETEN	PRETENSIONED
POLY	POLYETHYLENE
PR	PAIR
PRJ	PROJECT
PSC	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
P.T.	PRESSURE TREATED
PTC	POST-TENSIONED CONCRETE
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
QTY	QUANTITY
R	RADIUS, RISER
RAD	RADIUS
RD	ROOF DRAIN
RECT	RETANGULAR
REF	REFERENCE, REFER TO
REINF	REFORCE (D) (ING)
REM	REMOVE
REQD	REQUIRED
REQS	REQUIREMENTS
RETG	RETAINING
REV	REVISION, REVISED
RFG	ROOFING
RFH	ROOF HATCH
RFL	REFLECT (ED)(IVE)(OR)
RM	ROOM
RO	ROUGH OPENING
RT	FIRE RETARDANT TREATED
RT	RUBBER TILE
RTG	RATING
RVS	REVERSE SIDE
RVT	RIVET
S	SOUTH
SC	SOLID CORE
SCHED	SCHEDULE
SDL	SUPERIMPOSED DEAD LOAD
SDS	SELF DRILL SCREW
SE	STRUCTURAL ENGINEER
SDST	SELF-DRILL, SELF-TAP'G SCREW
SECT	SECTION
SF	SQUARE FOOT, SQUARE FEET
SHO	SHORE, SHORING
SHT	SHEET
SHTH	SHEATHING
SI	SQUARE INCH
SIM	SIMILAR
SL	SLOPE
SLNT	SEALANT
SMS	SHEET METAL SCREW
SOG	SLAB ON GRADE
SPA	SPACE, (ING)
SPC	SPACER
SPEC	SPECIFICATION (S)
SQ	SQUARE
SSTL	STAINLESS STEEL
STG	STAGGERED
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE
STR	STRUCTURAL
SYM	SYMETRICAL, SYMETRY
SYS	SYSTEM
T	TOP, TORSION, TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TC	TOP CHORD
TEN	TESION, TENSILE
TEMP	TEMPORARY, TEMPERATURE
THD	THREAD (ED)
THK	THICK (NESS)
TMPD	TEMPERED
TO*	TOP OF ______
TL	TOTAL LOAD
TR	TREAD
TS	TUBE STEEL
TYP	TYPICAL
UC	UNDERCUT
UGD	UNDERGROUND
UL	UNDEREWRITERS LABORATORY
UND	UNDER
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
V	SHEAR FORCE, VELOCITY
VB	VAPOR BARRIER
VER	VERIFY
VERT	VERTICAL
VG	VERTICAL GRAIN
VIF	VERIFY IN FIELD
VJ	V-JOINTED
VNR	VENEER
V.T.R.	VENT THROUGH ROOF
W	WEST, WIDTH, WIDE, WIDE FLANGE
W/	WITH
W/O	WITHOUT
WD	WOOD
WI	WROUGHT IRON
WM	WIRE MESH
WP	WATERPROFFING
WPR	WATER REPELLENT
WPT	WORKING POINT
WS	WATER STOP
WT	WEIGHT
WTW	WALL TO WALL (W/W)
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

9 *1" = 1'-0"*
ABBREVIATIONS

CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)

SCOPE OF WORK

BUILDING DESIGN

NUMBER OF STORIES:	1
OCCUPANCY:	"E"
CONSTRUCTION TYPE:	VB
FLOOR LIVE LOAD:	☐ 50+15 PSF PARTITION ☐ 100 PSF ☐ 150 PSF
FLOOR DEAD LOAD:	☐ WOOD FLOOR - 11 PSF ☐ CONC. FLOOR - 33 PSF
ROOF LIVE LOAD:	20 PSF
ROOF SNOW LOAD:	0 PSF
ROOF DEAD LOAD:	17 PSF (INCLUDES SPRINKLER)

BUILDING AREA	**NO OVERHANG**	**WITH OVERHANG**
ALLOWABLE AREA =9,000 sf	☐ 24x40 960 sf	☐ 24x40 1140 sf
	☐ 36x40 1440 sf	☐ 36x40 1710 sf
	☐ 48x40 1920 sf	☐ 48x40 2280 sf

FOUNDATION:	☐ WOOD	☐ CONCRETE
CEC CLIMATE ZONE:	1-16	

WIND DESIGN

ULTIMATE DESIGN SPEED:	Vult = 130 mph, 3 sec GUST, Kzt = 1.0
RISK CATEGORY:	II
EXPOSURE:	C

EARTHQUAKE DESIGN

RISK CATEGORY:	II
SEISMIC IMPORTANCE FACTOR:	I = 1
MAPPED SPECTRAL RESPONSE:	Ss = 1.5 (FOR BUILDING Cs) Ss = 1.875 (FOR COMPONENTS Cs) S1 = 0.675
SITE CLASS:	D
SEISMIC DESIGN CATEGORY:	D
DEISIGN SPECTRAL RESPONSE:	Sds = 1.00, Sd1 = 0.68
RESPONSE COEFFICIENT, Cs:	0.286
BASIC SEISMIC FORCE-RESISTING SYS:	OMF, R = 3.5
ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE
BASE SHEAR PER 12X40 MODULE:	WOOD FLOOR, LL ≤ 100, BASE SHEAR= 9.61 kip WOOD FLOOR, LL = 150, BASE SHEAR= 12.94 kip CONC. FLOOR, LL ≤ 100, BASE SHEAR= 12.63 kip CONC. FLOOR, LL = 150, BASE SHEAR= 17.77 kip

5 *12" = 1'-0"*
DESIGN LOADS

PARTIAL LIST OF APPLICABLE CODES AS OF July 1, 2014

2013 Administrative Code, Part 1, Title 24 C.C.R. *
2013 California Building Code (CBC), Part 2, Title 24 C.C.R.
(2012 International Building Code Volumes 1-2 and 2013 California Amendments)
2013 California Electrical Code (CEC), Part 3, Title 24 C.C.R.
(2011 National Electrical Code and 2013 California Amendments)
2013 California Mechanical Code (CMC), Part 4, Tiltle 24 C.C.R.
(2012 Uniform Mechanical Code and 2013 California Amendments)
2013 California Plumbing Code (CPC), Part 5, Title 24 C.C.R.
(2012 Uniform Plumbing Code and 2013 California Amendments)
2013 California Energy Code (CEC), Part 6, Title 24 C.C.R
2013 California Fire Code, Part 9, Title 24 C.C.R.
(2012 International Fire Code and 2013 California Amendments)
2013 California Green Building Standards Code, Part 11, Title 24 C.C.R.
2013 California Referenced Standards, Part 12, Title 24 C.C.R
Title 19 C.C.R., Public Safety, State Fire Marshal Regulations.
2007 ASME A17.1 (w/ A17.1a/CSA B44a-08 addenda) Safety Code for Elevators and Escalators

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	Automatic Sprinkler Systems	2013 Edition
NFPA 14	Standpipe Systems	2013 Edition
NFPA 17	Dry Chemical Extinguishing Systems	2013 Edition
NFPA 17a	Wet Chemical Systems	2013 Edition
NFPA 20	Stationary Pumps	2013 Edition
NFPA 22	Water Tanks for Private Fire Protection	2013 Edition
NFPA 24	Private Fire Mains	2013 Edition
NFPA 72	National Fire Alarm Code	2013 Edition
NFPA 80	Fire Doors and Other Opening Protectives	2013 Edition
NFPA 92	Standard for Smoke Control Systems	2012 Edition
NFPA 253	Critical Radiant Flux of Floor Covering Systems	2006 Edition
NFPA 2001	Clean Agent Fire Extinguishing Systems	2012 Edition
ICC 300	ICC Standards on Bleachers, Folding and Telescoping Seating and Grand stands	2012 Edition
UL 300	Fire Testing of Fire Extinguishing System for Protection Of Restaurant Cooking Areas	2005 Edition
UL 464	Audible Signal Appliances	2003 Edition
UL 521	Heat Detectors for Fire Protective Signaling Systems	1999 Edition

Reference Code Section for NFPA Standards - 2013 CBC (SFM) Chapter 35. See Chapter 35 for State of California amendments to NFPA Standards.

* California Administrative Code, Part 1, Chapter 10, Administrative Regulations for the California Energy Commission (CEC).

3 *12" = 1'-0"*
DESIGN CODES

CODE	**ADOPTED YEAR**	**ITEM**
NFPA 13	2013	AUTOMATIC SPRINKLER SYSTEMS
NFPA 72	2013	NATIONAL FIRE ALARM CODE w/ CALIFORNIA AMENDMENTS

NOTE: VISUAL DEVICES PER UL STANDARD 1971

2 *12" = 1'-0"*
NFPA STANDARDS

1. ARCHITECT OF RECORD SHALL PROVIDE FIRE ALARM DRAWINGS WITH SITE ADAPTED PROJECTS. FIRE ALARM IS NOT PART OF THIS PC.
2. THIS PC HAS BEEN STRUCTURALLY DESIGNED TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM
3. ALLOWABLE AREA IS BASED ON 10'-0" SETBACK FROM ASSUMED LINE
4. PC DESIGNED AS A SINGLE-STORY MODULAR BUILDING
5. SEE STRUCTURAL FOR SOIL TYPES & BEARING STRENGTHS
6. WORK SHALL CONFORM TO TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USAGE
8. EXTERIOR PROJECTIONS TO BE FIRE PROTECTED WHERE REQUIRED
9. SEE A0.5 AND ENGERY CALC M-SHEETS FOR REQUIRED ENVELOPE ASSEMBLIES & HVAC SYSTEMS
10. ALL SPECIFICATIONS BASED ON PERFORMANCE AND ABLE TO BE SUBSTITUTED BY "EQUAL" PRODUCTS PENDING APPROVAL BY D.S.A.
11. BUILDINGS TO COMPLY WITH WILDLAND URBAN INTERFACE GUIDELINES WHERE APPLICABLE
12. BUILDING AND SITE FEATURES MUST COMPLY WITH CALGREEN CODE FOR ITS SPECIFIC LOCATION WHEN ADAPTED FOR SITE-USE
13. SHOULD THIS P.C. CLASSROOM BE DESIGNED TO CONNECT TO ANOTHER P.C. CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE WALL AND FLOOR-CEILING ASSEMBLY MUST MEET A MINIMUM STC OF 40 PER CALGREEN

1 *12" = 1'-0"*
GENERAL NOTES

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3380
STRUCTURAL

Manny D. Frisch

03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SL FLS SS
DATE MAR 18 2016

ACS: J. LYLE
FLS: JARED ATALYAN
SS: P. ROONEY

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS RF SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
COVER SHEET

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A0.0

SHEET OF SHEETS

ADDENDUM

3/15/2016 10:51:04 AM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

ARCHITECTURAL

⑥ General Architectural Sheets 1/4" = 1'-0" GENERAL ARCHITECTURAL SHEETS	Sheet
COVER SHEET	A0.0
PROJECT OPTIONS SCHEDULE	A0.0.1
TYPICAL KEY PLAN AND SCHEDULE, GEN NOTES	A0.1
SIGNAGE AND SYMBOLS	A0.2
DSA-103 T&I CONCRETE FLOORS	A0.3
DSA-103 T&I CONCRETE FLOORS	A0.4
CALGREEN SPEC'S	A0.5
CALGREEN SHEET	A0.6
CALGREEN SHEET	A0.7

⑤ Floor Plan Details 1/4" = 1'-0"	ARCHITECTURAL FLOOR PLANS	Sheet
☐ Floor Plans	☐ Floor Plan - 24'x40'	A1.0
	~~☐ Floor Plan - 36'x40'~~	~~A1.1~~
	~~☐ Floor Plan - 48'x40'~~	~~A1.2~~

① Arch Floor Framing Details 1/4" = 1'-0" ARCHITECTURAL FLOOR FRAMING DETAILS							Sheet
☐ Wood Floor	1	2	3	4	5	6	A2.9
☐ Concrete Floor	7	8	9	10	11	12	A2.9

② Wall Schedule 1/4" = 1'-0" ARCHITECTURAL WALL DETAILS

☐ Wood	Detail															Sheet
	Door		ML				Window	Corner	HVAC	Top PLT	6" SEP	1-HR OPT 1	1-HR OPT 2	EXT HDR	INT HDR	
☐ Wood Sheating	8	9	2	3	4	5	11	1	16	17	5	x	x	10A	10B	A2.1
☐ Wood Plaster	8	9		3	4	5	11	1	16	17	5	x	x	10A	10B	A2.2
☐ 1-HR Wood Sheating	8	9	2	3	4	5	11	1	16	17	5	18	19	10A	10B	A2.5
☐ 1-HR Wood Plaster	8	9	2	3	4	5	11	1	16	17	4	18	19	10A	10B	A2.6
☐ Metal																
~~☐ Metal Sheating~~	8	9	2	3	4	5	11	1	10	16	5	x	x	10A	10B	~~A2.3~~
~~☐ Metal Plaster~~	8	9	2	3	4	5	11	1	10	16	5	x	x	10A	10B	~~A2.4~~
~~☐ 1-HR Metal Sheating~~	8	9	2	3	4	5	11	1	16	17	5	18	19	10A	10B	~~A2.7~~
~~☐ 1-HR Metal Plaster~~	8	9	2	3	4	5	11	1	16	17	5	18	19	10A	10B	~~A2.8~~
~~☐ Additional Fire Rating Details and Notes~~																~~A3.0~~
~~☐ Single OCC. Bathroom~~																~~A3.1~~

④ Ceiling Plans 1/4" = 1'-0"		ARCHITECTURAL CEILING PLANS	Sheet
Reflected Ceiling Plans:	☐ 24' x 40'	☐ 8 (2'x4') Recessed Light Fixture	A3.2
		☐ 12 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	A3.2
	~~☐ 36' x 40'~~	~~☐ 12 (2'x4') Recessed Light Fixture~~	~~A3.2~~
		~~☐ 16 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light~~	~~A3.2~~
	~~☐ 48' x 40'~~	~~☐ 16 (2'x4') Recessed Light Fixture~~	~~A3.2~~
		~~☐ 18 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light~~	~~A3.2~~
Celing Notes			A3.2.1

③ Ceiling Details 1/4" = 1'-0" ARCHITECTURAL CEILING DETAILS

Celing Framing	Detail				Sheet
	Wall	Joists	Access	BLK'G	
☐ T-GRID	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	A3.3
☐ Wood	1	2	5	Typ	A3.4
☐ MTL	6	7	10	11	A3.4

⑦ Roof Plans 1/4" = 1'-0"	ARCHITECTURAL ROOF PLANS	Sheet
☐ Mono	☐ EPDM	A4.2.1
	☐ Standing Seam	A4.0.1
	☐ Parapet	A4.4.1
~~☐ Dual~~	~~☐ EPDM~~	~~A4.2.2~~
	~~☐ Standing Seam~~	~~A4.0.2~~

㉒ Roof Details 1/4" = 1'-0"	ARCHITECTURAL ROOF DETAILS	Sheet
☐ Mono	☐ EPDM	A4.3
	☐ Standing Seam	A4.1
	☐ Parapet	A4.5
~~☐ Dual~~	~~☐ EPDM~~	~~A4.3~~
	~~☐ Standing Seam~~	~~A4.1~~

⑧ Arch Building Section 1/4" = 1'-0"	ARCHITECTURAL BUILDING SECTION	Sheet
☐ Mono	☐ EPDM	A6.3
	☐ Standing Seam	A6.0
~~☐ Dual~~	~~☐ EPDM~~	~~A6.1~~
	~~☐ Standing Seam~~	~~A6.0.1~~
~~Section~~		~~A6.2~~

ARCHITECTURAL

⑬ Exterior Elevations 1/4" = 1'-0" ARCHITECTURAL EXTERIOR ELEVATIONS

		Detail		Sheet	Detail		Sheet
Exterior Elevations:	☐ 24'x40'	Left	Right		Front	Rear	
	☐ Mono Slope	1	2	A5.0	1	2	A5.1
	☐ Parapet Roof - Mono Slope	3	4	A5.0	3	4	A5.1
	☐ Dual Slope	5	6	A5.0	1	2	A5.1
	☐ 36'x40'						
	~~☐ Mono Slope~~	1	2	A5.0	5	6	~~A5.1~~
	~~☐ Parapet Roof - Mono Slope~~	3	4	A5.0	7	8	~~A5.1~~
	~~☐ Dual Slope~~	5	6	A5.0	5	6	~~A5.1~~
	☐ 48'x40'						
	~~☐ Mono Slope~~	1	2	A5.0	9	10	~~A5.1~~
	~~☐ Parapet Roof - Mono Slope~~	3	4	A5.0	11	12	~~A5.1~~
	~~☐ Dual Slope~~	5	6	A5.0	9	10	~~A5.1~~

⑭ Interior Elevations 1/4" = 1'-0" ARCHITECTURAL INTERIOR ELEVATIONS

		Detail				Sheet
Interior Elevations:		Left	Right	Front	Rear	
	☐ 24'x40'	1	2	3	4	A5.2
	~~☐ 36'x40'~~	1	2	5	6	~~A5.2~~
	~~☐ 48'x40'~~	1	2	8	7	~~A5.2~~

MEP

⑨ Plumbing 1/4" = 1'-0" PLUMBING	Sheet
☐ Plumbing Details and Schedules	P1.0

⑩ Mechanical 1/4" = 1'-0" MECHANICAL

			Sheet	
			Ceiling Plan	Roof Plan
Mechanical Plans:	☐ 24' x 40'	☐ Wall Mount	M5.1	M5.2
		☐ Roof Mount	M5.1	M5.2
	☐ 36' x 40'	☐ Wall Mount	M5.3	M5.4
		☐ Roof Mount	M5.3	M5.4
	☐ 48' x 40'	☐ Wall Mount	M5.6	M5.7
		☐ Roof Mount	M5.6	M5.7

⑪ Electrical 1/4" = 1'-0" ELECTRICAL

			Sheet	
Reflected Ceiling Plans:	☐ 24' x 40'	☐ 8 (2'x4') Recessed Light Fixture ☐ 12 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	E1.0	E1.1
	~~☐ 36' x 40'~~	~~☐ 12 (2'x4') Recessed Light Fixture~~ ~~☐ 16 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light~~	~~E1.2~~	~~E1.3~~
	~~☐ 48' x 40'~~	~~☐ 16 (2'x4') Recessed Light Fixture~~ ~~☐ 18 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light~~	~~E1.4~~	~~E1.5~~

⑫ Fire Sprinklers Plans 1/4" = 1'-0"	FIRE SPRINKLERS PLANS	Sheet
☐ Fire Sprinklers Drawings:	☐ Floor Plans	FS-2
	☐ Details	FS-1

STRUCTURAL

⑮ Foundations Plans 1/4" = 1'-0" FOUNDATION

		Sheet
☐ Wood Foundation Plan:	☐ 24'x40' (50+15 PSF)	F1.11
	☐ 24'x40' (100 PSF)	F1.21
	☐ 24'x40' (150 PSF)	F1.31
	~~☐ 36'x40' (50+15 PSF)~~	~~F1.12~~
	~~☐ 36'x40' (100 PSF)~~	~~F1.22~~
	~~☐ 36'x40' (150 PSF)~~	~~F1.32~~
	~~☐ 48'x40' (50+15 PSF)~~	~~F1.13~~
	~~☐ 48'x40' (100 PSF)~~	~~F1.23~~
	~~☐ 48'x40' (150 PSF)~~	~~F1.33~~
☐ Concrete Foundation Plan		~~F2.10~~

⑯ General Structural Sheets 1/4" = 1'-0" GENERAL STRUCTURAL SHEETS	Sheet
STRUCTURAL GEN NOTES	S0.1

⑰ Floor Framing Plans 1/4" = 1'-0" STRUCTURAL FLOOR FRAMING PLANS

		Sheet
☐ Wood Sheating Floor:	☐ (50+15 PSF)	S1.01
	☐ (100 PSF)	S1.02
	☐ (150 PSF)	S1.03
~~☐ Concrete Framing Floor:~~	~~☐ (50+15 PSF)~~	~~S1.1.1~~
	~~☐ (100 PSF)~~	~~S1.1.2~~
	~~☐ (150 PSF)~~	~~S1.1.3~~

⑲ Floor Framing Details 1/4" = 1'-0" STRUCTURAL FLOOR FRAMING DETAILS	Sheet
☐ Wood Framing	S1.2
☐ Concrete Framing	S1.2

⑱ Roof Framing Plans 1/4" = 1'-0" STRUCTURAL ROOF FRAMING PLANS	Sheet
☐ Mono Slope Roof Framing	S3.0.1
☐ Dual Slope Roof Framing	S3.0.2

⑳ Wall Framing Details 1/4" = 1'-0" STRUCTURAL WALL FRAMING DETAILS	
☐ Wood:	Sheet
☐ Framing Elevation	S4.1
☐ Wall Details	S4.2
~~☐ Metal:~~	
~~☐ Framing Elevation~~	~~S4.0~~
~~☐ Wall Details~~	~~S4.3~~
☐ Typ Framing:	S4.4
☐ Framing Schedule:	S4.5

㉑ Building Section 1/4" = 1'-0" STRUCTURAL BUILDING SECTION	Sheet
☐ Mono	S5.0
☐ Dual	S5.1

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3380
STRUCTURAL
Manny D. Frisch

03/02/2016

CLIENT

CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC 5C FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS — SS
DATE DEC 0 8 2016

Revision Schedule

#	Description	Date

SHEET TITLE
PROJECT OPTIONS SCHEDULE

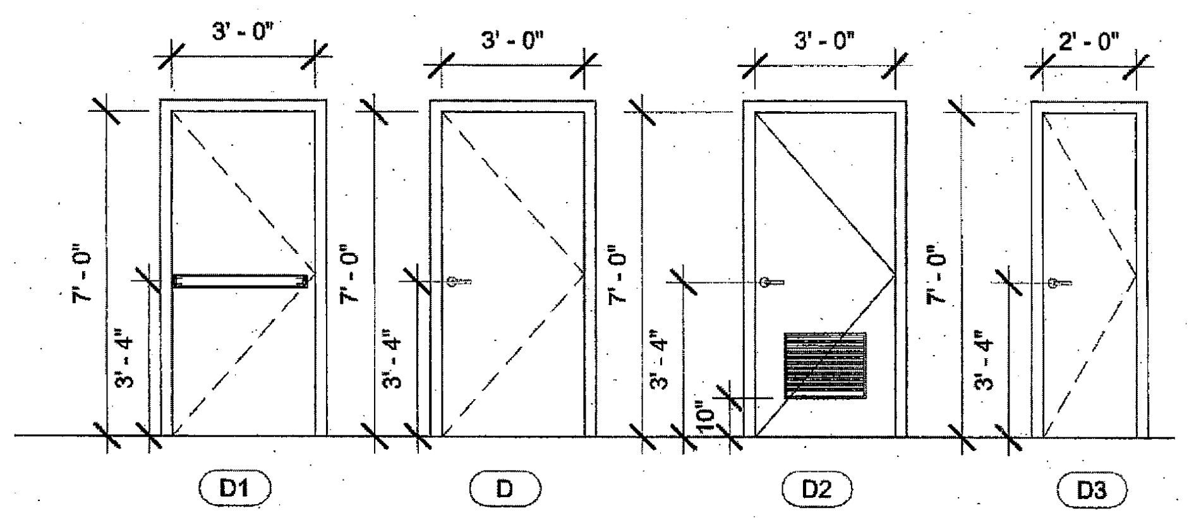
PROJECT NUMBER 15046
DRAWN BY rMc/SM
CHECKED BY JA/RT
DATE 2016/03/02
SHEET NO. A0.0.1
SHEET OF SHEETS

ADDENDUM

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

3/15/2016 9:53:24 AM

Door Schedule							
Mark	Type	Width	Height	Door Material	Frame Type	Wall Thickness	Hardware
1	D1	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	5 1/4"	HW1
2	D	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	5 1/4"	HW2
3	D	3' - 0"	7' - 0"	Solid Core Wood Legacy	Knock Down	5 1/2"	HW3
4	D2	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	4 7/8"	HW4
5	D2	3' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	4 7/8"	HW5
6	D3	2' - 0"	7' - 0"	18GA Hollow Metal	Knock Down	4 1/8"	HW6



1. ALL DOORS SHALL COMPLY WITH CBC SECTION 11B-404 AND BE 1 3/4" THK (UNO)

2. CENTER ALL DOOR LEVERS FOR ACCESS AND LOCKING @ 40" ABOVE FINISH FLOOR. ALL HARDWARE SHALL OPEN FROM THE INTERIOR AND NOT REQUIRE ANY SPECIFIC KNOWLEDGE OF THE HARDWARE OR REQUIRE ANY SPECIAL EFFORT FOR EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE FACE OF THE DOOR TO PREVENT CATCHING ON THE CLOTHING (etc.) OF PERSONS DURING EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL EXTEND AT A MINIMUM OF ONE-HALF THE DOOR WIDTH.

3. PER CBC 1008.1.10 FOR ANY ROOM CONFIGURATION WHICH PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE AND COMPLY WITH ALL REQUIREMENTS OF SECTION 11B-309 OF THE CBC. ALL HARDWARE SHALL COMPLY WITH HARDWARE SCHEDULE THIS SHEET.

4. PER CBC 11B-309.4 THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAX.

5. PER CBC 11B-404.2.8.2 DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSE POSITION IN 1.5 SECONDS MINIMUM. ALL CLOSER MUST COMPLY WITH CBC 11B-404.2.8.1 - DOOR CLOSER AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS OR LESS.

6. THE MAXIMUM AREA OF EXTERIOR WALL OPENING PER CBC TABLE 705.8 AND THE FIRE PROTECTION FOR EXTERIOR WALL PER CBC TABLE 602. ALL FIRE PROTECTION BASED ON THE FIRE SEPARATION DISTANCE.

7. DOOR LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.

8. (PH) ON PLANS THE SHEET INDICATES REQUIRED PANIC HARDWARE.

9. PROVIDE EXIT SIGNS AS REQUIRED PER CBC SECTION 1011. SEE DETAILS PER A0.2

9 *1/4" = 1'-0"*
Doors

HARDWARE SCHEDULE

1.CLASSROOM :

LOCKSET	SCHLAGE ND75PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
CLOSER	NORTON 8501 BFDA STRIP	Finish 689 or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD	HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum or equal

NOTE: ALL CLASSROOM DOORS SHALL BE LOCKABLE FROM INSIDE

2.PANIC HARDWARE (PH) :

EXIT DEVICE	VON DUPRIN AX99L-2-PA w/ SCHLAGE RIM (cylindrical)	Finish Alum or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
CLOSER	NORTON 8501 BFDA	Finish 689 or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD	HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum or equal

NOTE: ALL CLASSROOM DOORS SHALL BE LOCKABLE FROM INSIDE

3.SINGLE-OCCUPANCY :

LOCKSET	SCHLAGE ND40SRHO626 (cylindrical)	Finish 26D or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal

Tell Mfg Cross Reference DSA Finish Hardware Schedule Per Print 15046 Page A0.1 **Tell Mfg Equal to Original Part # Specification**

		DSA Original Requirement	Abv	Mfg.	Equal Mfg.	Tell Manufacturing
Set #1 CLASSROOM						
1	Each:	LOCKSET ND75PDRHO626 (CYLINDRICAL) (26D)	SL	SCHLAGE	Tell Mfg.	LC12110CTL 26D 234 A SCC LOCKSET INTRUDER/CLASSROOM, Keyed Both Sides
1	Each:	BUTTS BB1191 4-1/2" X 4-1/2" NRP (26D) Brass or SS	HA	HAGER	Tell Mfg.	H4545BB32DNRP 4.5 X 4.5 BB NRP 32D HINGE
1	Each:	CLOSER 8501 BFDA STRIP (689)	NO	NORTON	Tell Mfg.	12816 BC SN1 COV PA AL Closer Grade 1 HD Adjaustable w/ Cover (Alum)
1	Each:	WEATHER STRIP 891SAV 3684 (ALUM)	HA	HAGER	Tell Mfg.	DT100584 - WEATHERSTRIP 3684 VINYL/ALUM
1	Each:	THRESHOLD 413SA 36 1/4" x 5" Saddle (ALUM)	HA	HAGER	Pemko	271A THRESHOLD SADDLE 36" X 5" X 1/4" ALUM Pemko
1	Each:	DOOR BOTTOM 783SAV 35N (ALUM)	HA	HAGER	Pemko	216AV36 DOOR BOTTOM 36" U STYLE W DRIP ALUM Pemko
Set #2 PANIC HARDWARE (HP)						
1	Each:	EXIT DEVICE 99L-2 (Classroom Double Cylinder)	VO	VON DUPRIN	Von Puprin	99L-2 Von Duprin (Lever Classroom Double Cylinder) (or Equal)
						Tell Does Not Offer Double Cylinder Classroom Exit Device, Currently in Development
1	Each:	SCHLAGE RIM (CLYINDERICAL)	SL	SCHLAGE	Schlage	SCHLAGE RIM (CLYINDERICAL) (or Equal)
1	Each:	BUTTS BB1191 4-1/2" X 4-1/2" NRP (26D)	HA	HAGER	Tell Mfg.	H4545BB32DNRP 4.5 X 4.5 BB NRP 32D HINGE
1	Each:	CLOSER 8501 BFDA (689)	NO	NORTON	Tell Mfg.	12816 BC SN1 COV PA AL Closer Grade 1 HD Adjaustable w/ Cover (Alum)
1	Each:	WEATHER STRIP 891SAV 3684 (ALUM)	HA	HAGER	Tell Mfg.	DT100584 - WEATHERSTRIP 3684 VINYL/ALUM
1	Each:	THRESHOLD 413SA 36 1/4" x 5" Saddle (ALUM)	HA	HAGER	Pemko	271A THRESHOLD SADDLE 36" X 5" X 1/4" ALUM Pemko
1	Each:	DOOR BOTTOM 783SAV 35N (ALUM)	HA	HAGER	Pemko	216AV36 DOOR BOTTOM 36" U STYLE W DRIP ALUM Pemko
Set #3 SINGLE-OCCUPANCY						
1	Each:	LOCKSET ND40PDRHO626 (CYLINDRICAL) (26D) *Note: ND40PD is an error Correct # should be ND40SRHO626* *PD= 6 Pin Cylinder, If 6 Pin Cylinder is Required see ND50PDRHO*	SL	SCHLAGE	Tell Mfg.	LC1276CTL 26D 234 A LOCKSET PRIVACY, Emerg Outside, Push Button Inside
1	Each:	BUTTS BB1191 4-1/2" X 4-1/2" NRP (26D)	HA	HAGER	Tell Mfg.	H4545BB32DNRP 4.5 X 4.5 BB NRP 32D HINGE
Mark #1 Door and Frame						
1	Each:	TYPE D1, 3'-0" x 7'-0" Door 18 Ga Hollow Metal			Tell Mfg.	Tell Spartan Door 3'-0" x 7'-0" Door 18 Ga Hollow Metal Primed (Door Type D1)
1	Each:	Frame Type Knock Down 5-1/4" Wall Thickness			Tell Mfg.	Tell Spartan Frame 3'-0" x 7'-0" 5-1/4" Wall Thickness 16 Ga Hollow Metal Primed
Mark #2 Door and Frame						
1	Each:	TYPE D, 3'-0" x 7'-0" Door 18 Ga Hollow Metal			Tell Mfg.	Tell Spartan Door 3'-0" x 7'-0" Door 18 Ga Hollow Metal Primed (Door Type D)
1	Each:	Frame Type Knock Down 5-1/4" Wall Thickness			Tell Mfg.	Tell Spartan Frame 3'-0" x 7'-0" 5-1/4" Wall Thickness 16 Ga Hollow Metal Primed
Mark #3 Door and Frame						
1	Each:	TYPE D, 3'-0" x 7'-0" Door Solid Core Wood Legacy Walnut			Tell Mfg.	Tell Wood Solid Core Door 3'-0" x 7'-0" Legacy Walnut (Door Type D)
1	Each:	Frame Type Knock Down 5-1/2" Wall Thickness			Tell Mfg.	Tell Spartan Frame 3'-0" x 7'-0" 5-1/2" Wall Thickness 16 Ga Hollow Metal Primed
Mark #4 Door and Frame						
1	Each:	TYPE D2, 3'-0" x 7'-0" Door 18 Ga Hollow Metal w/ Louver 24" x 12"			Tell Mfg.	Spartan Door 3'-0" x 7'-0" Door 18 Ga Hollow Metal Primed w/ Louver 24" x 12" (Door Type D2)
1	Each:	Frame Type Knock Down 4-7/8" Wall Thickness			Tell Mfg.	Spartan Frame 3'-0" x 7'-0" 4-7/8" Wall Thickness 16 Ga Hollow Metal Primed
Mark #5 Door and Frame						
1	Each:	TYPE D2, 3'-0" x 7'-0" Door 18 Ga Hollow Metal w/ Louver 24" x 12"			Tell Mfg.	Spartan Door 3'-0" x 7'-0" Door 18 Ga Hollow Metal Primed w/ Louver 24" x 12" (Door Type D2)
1	Each:	Frame Type Knock Down 4-7/8" Wall Thickness			Tell Mfg.	Spartan Frame 3'-0" x 7'-0" 4-7/8" Wall Thickness 16 Ga Hollow Metal Primed
Mark #6 Door and Frame						
1	Each:	TYPE D3, 2'-0" x 7'-0" Door 18 Ga Hollow Metal			Tell Mfg.	Spartan Door 2'-0" x 7'-0" Door 18 Ga Hollow Metal Primed (Door Type D3)
1	Each:	Frame Type Knock Down 4-1/8" Wall Thickness			Tell Mfg.	Spartan Frame 2'-0" x 7'-0" 4-1/8" Wall Thickness 16 Ga Hollow Metal Primed

7 *1/4" = 1'-0"*
Door Hardware

Finish Schedule									
Room Number	Flooring		Wall Finish				Ceiling		Notes
	Floor	Base	Front	Left	Rear	Right	Type	Ht.	
CLASSROOM	Carp.	4" TS	Tack	Tack	Tack	Tack	CP	8'-6"	
CLASSROOM w/ PH	Carp.	4" TS	Tack	Tack	Tack	Tack	CP	8'-6"	
SINGLE OCC.	SV	6" TS	FRP	FRP	FRP	FRP	CP	8'-0"	
SINGLE OCC.	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	

Abbreviations:

FLOORING

CARP:	CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
SV:	SHEET VINYL FLOORING
VCT:	VINYL COMPOSITION TILE

BASE

4" TS:	4" TOP SET BASE
6" TS:	6" TOP SET BASE

WALLS

TACK:	1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING
FRP:	1/8" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD
GYP:	1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
PLY:	1/2" PLYWOOD FINISH
NF:	NO FINISH SC: 6" SELF-COVE BASE

CEILING

CP:	ACOUSTICAL LAY IN GRID CEILING PANELS
HC:	5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
GBP:	1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

Finishes Notes

1. ALL FINISHES SHALL COMPLY WITH CBC, CCR , AND CFR

2. PER ASTM D2047 ALL FLOORING WITH A COEFFICIENT OF FRICTION OF A MINIMUM OF 0.6 WILL BE CONSIDERED TO OBTAIN THE INTENT OF A SLIP RESISTANCE SURFACE.

3. FLOORING CONTRACTOR IS RESPONSIBLE FOR SUB-FLOORING PREPARATION. ALL PLYWOOD TO BE APA RATED AND COMPLY WITH PS1-09. PLYWOOD SURFACE TO BE CARPETED IS TO BE PLUGGED AND SANDED BY FLOORING CONTRACTOR. ALL DEFORMITIES OCCURRING DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE PLUGGED AND SANDED BY FLOOR CONTRACTOR. MATELINE JOINTS TO BE A MAX OF 1/8" AND SHALL BE PLUGGED AND SANDED BY FLOORING CONTRACTORS.

4. ALL CARPET AND FLOOR FINISH MUST COMPLY PER CBC SECTION 11B-302 FLOOR AND GROUND SURFACES. ALL CHANGES IN ELEVATION SHALL COMPLY WITH CBC SECTION 11B-303 CHANGES IN LEVELS

5 *1/4" = 1'-0"*
Finishes and Materials

MOISTURE PROTECTION INSULATION:

MATERIAL:
INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 2013.
(CLASS A = 0-25 FLAME SPREAD:) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

INSULATION VALUES
SEE TITLE 24 SHEETS FOR REQUIRED INSULATION VALUES PER CLIMATE ZONE

EXTERIOR WALL INSULATION (MIN.)
☐ R-19 (2x6 STUD)
☐ R-19 (MTL STUD)

INTERIOR WALL INSULATION (MIN.)
☐ R-13

FLOOR INSULATION (MIN.)
UNINSULATED

ROOF INSULATION (MIN.)
☐ R-30

3 *1/4" = 1'-0"*
Insulation Specs

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE.
(1) LABEL AT REAR EXTERIOR
(1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME.
LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, AND Kzt = 1.0 PER 2013 CBC

2. VINYL TACKBOARD TO HAVE A CLASS 1 FLAME SPREAD RATING AND COMPLY WITH A SMOKE DENSITY OF 175

3. VERIFIED ALL DIMENSIONS PRIOR TO CONSTRUCTION

4. SEE INTERIOR ELEVATIONS FOR ALL REQUIRED EGRESS SIGNAGE AND FIRE ALARM SYSTEM COMPONENTS

5. WHEN RELOCATING OR REMOVING INTERIOR PARTITIONS (2) EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED. EXIT DOORS MUST BE SEPERATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-HALF OF THE MAXUMUM OVERALL DIAGONAL DIMENSION FOR ALL NONSPRINKLERED BUILDINGS. EXIT DOORS MUST BE SEPERATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-THIRD OF THE MAXUMUM OVERALL DIAGONAL DIMENSION FOR ALL SPRINKLERED BUILDINGS. ALL EXIT AND EXIT ACCESS DOORWAYS MUST COMPLY WITH CBC SECTION 1015 EXIT AND EXIT ACCESS DOORWAYS AND CBC SECTION 1016 EXIT ACCESS TRAVEL DISTANCE.

6. OCCUPANCY LOAD SIGNS SHALL BE POSTING AND COMPLY WITH CBC SECTION 1004.3

7. SEE ADDITIONAL PC FOR ACCESS RAMPS AND STAIRS. WHERE RAMP IS AGAINST THE WALL AT PLASTER EXTERIOR OR ADJACENT TO ANY ABRASIVE SURFACE THEN A SMOOTH TROWEL SURFACE MUST BE PROVIDED AT THESE LOCATIONS OR AN ALTERNATIVE APPLICATION THAT COMPLIES WITH CBC SECTION 11B-505.8

8. ALL SURFACES ADJACENT TO HANDRAILS SHALL NOT HAVE ANY SHARP, ABRASIVE, OR PROTRUDING COMPONENTS

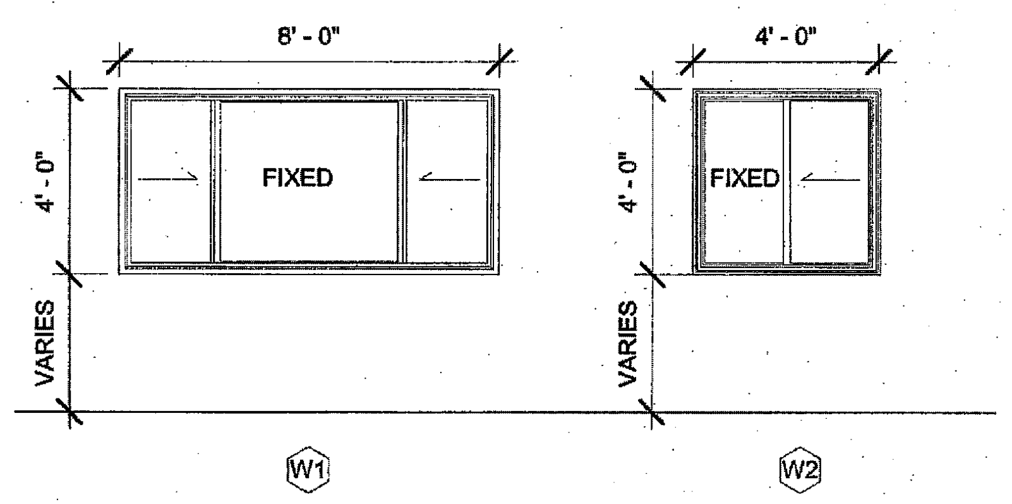
9. ALL METAL RAILINGS AND CONNECTIONS SHALL HAVE A SMOOTH SURFACE WHICH EXTENDS 8" ABOVE THE HANDRAIL

10. FOR PLASTER WALLS PROVIDE CONTROL JOINTS AT ALL MODLINES, ENDWALLS @ 2'-0 FROM EDGE, 10'-0" o/c @ SIDEWALLS, AND ABOVE AND BELOW ALL OPENING. SEE EXTERIOR ELEVATIONS. ALL MATERIALS, MEANS, METHODS, AND PROCEEDURES OF CONSTRUCTION USED TO PROTECT JOINTS SHALL COMPLY WITH FIRE RATED WALL ASSEMPLY PER CBC SECTION 703.2 - FIRE RESISTANCE RATING AND CBC SECTION 705 - EXTERIOR WALLS

11. FOR HVAC UNITS WHICH HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" AND LOCATED IN PEDESTRIAN PATH OF TRAVEL, A PROTECTION RAIL AROUND THE HVAC UNIT WILL BE PROVIDED. PER MNF INSTALLATION INSTRUCTIONS

2 *1 1/2" = 1'-0"*
A0.1 GENERAL NOTES

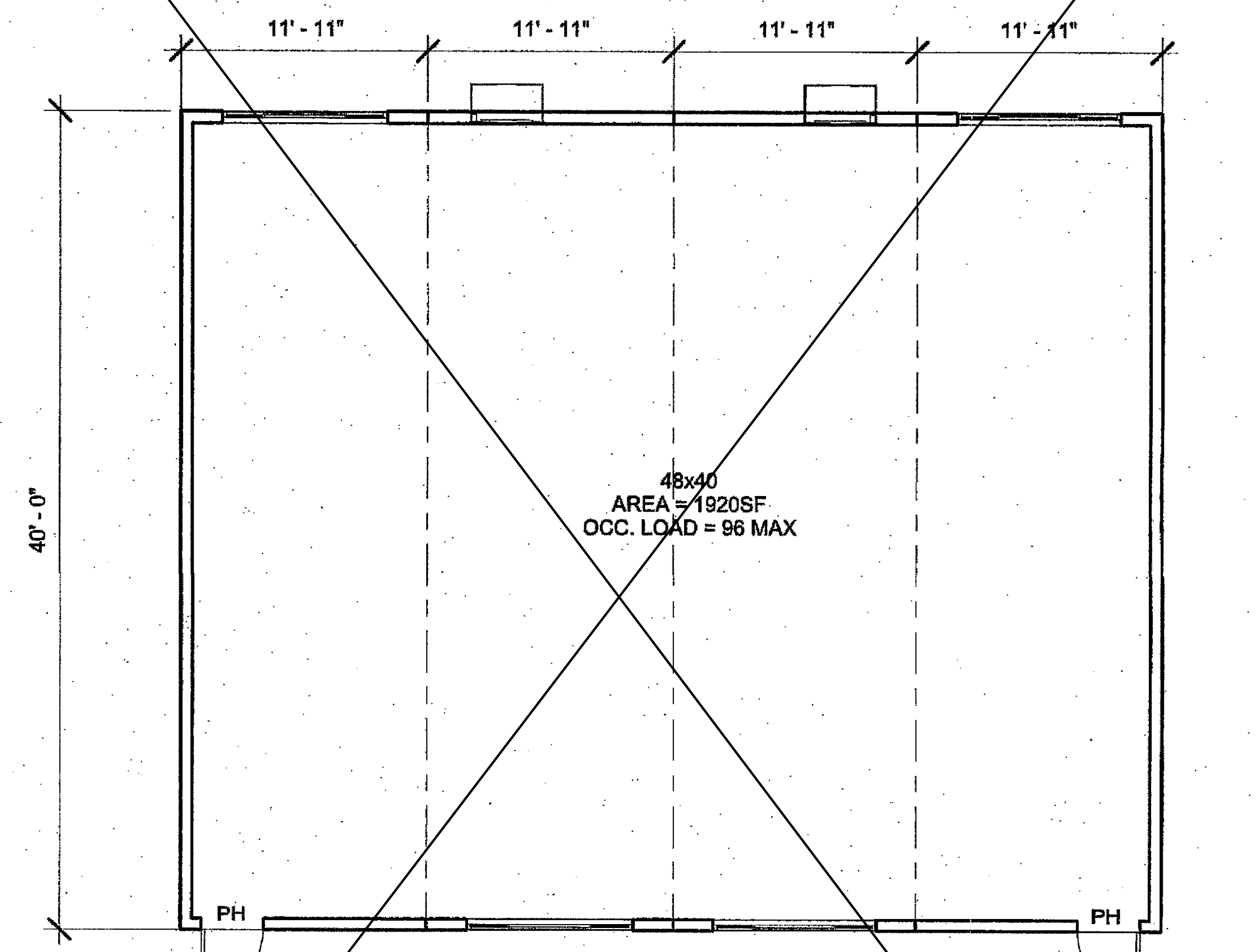
Window Schedule						
Mark	Type Mark	Height x Width	Function	Type Comments	Glazing	Wall Thickness
A	W1	4'-0" x 8'-0"	XOX	Clear Anodized Alum. Frame	*DP	
B	W2	4'-0" x 4'-0"	XO	Clear Anodized Alum. Frame	*DP	



WINDOW LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.

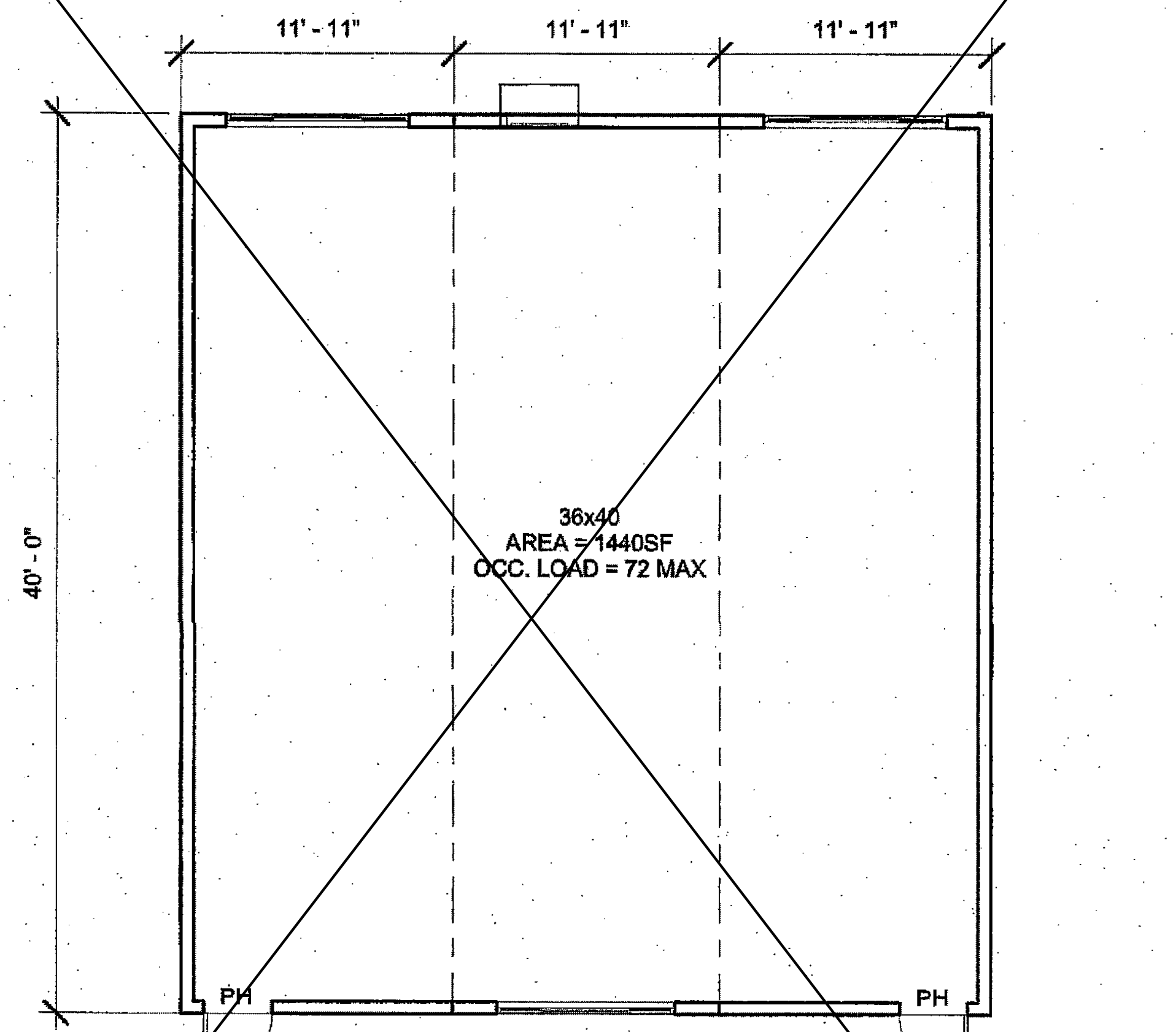
WINDOW - 3/4" INSULATING GLASS UNIT PERFORMANCE
U-VALUE : 0.35
SHGC : 0.24
VT : 0.5

8 *1/4" = 1'-0"*
Windows



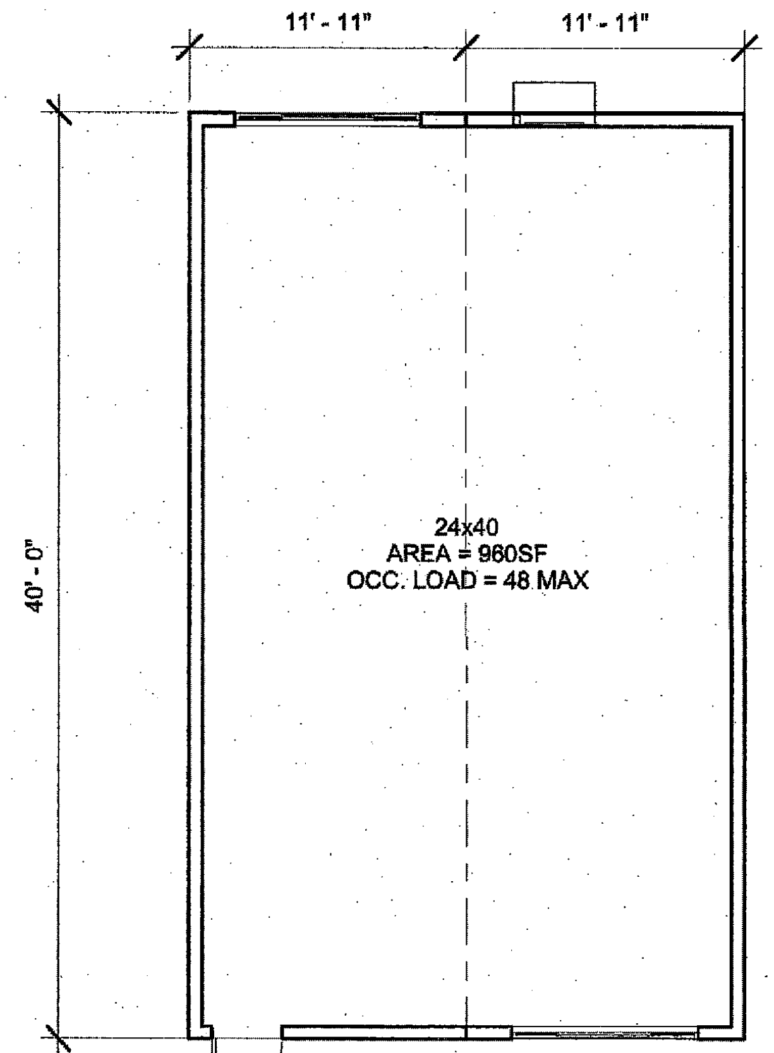
INTERIOR PARTITION MAY BE ADDED AND LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
SEE GENERAL NOTES THIS SHEET

6 *1/8" = 1'-0"*
48x40 (Total Area 1920sf)



INTERIOR PARTITION MAY BE ADDED AND LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
SEE GENERAL NOTES THIS SHEET

4 *1/8" = 1'-0"*
36x40 (Total Area 1440sf)



INTERIOR PARTITION MAY BE ADDED AND LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
SEE GENERAL NOTES THIS SHEET

1 *1/8" = 1'-0"*
24x40 (Total Area 960sf)

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
No. S3580
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SS FLS PF SS
DATE DEC 08 2016

Revision Schedule		
#	Description	Date

SHEET TITLE
TYPICAL KEY PLAN
AND SCHEDULES,
GEN NOTES,

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A0.1

SHEET OF SHEETS

ADDENDUM

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt
3/3/2016 8:59:38 PM

Advisory 1008.4.2 Clear Floor or Ground Space. Clear floor or ground spaces, turning spaces, and accessible routes are permitted to overlap within play areas. A specific location has not been designated for the clear floor or ground spaces or turning spaces, except swings, because each play component may require that the spaces be placed in a unique location. Where play components include a seat or entry point, designs that provide for an unobstructed transfer from a wheelchair or other mobility device are recommended. This will enhance the ability of children with disabilities to independently use the play component.

When designing play components with manipulative or interactive features, consider appropriate reach ranges for children seated in wheelchairs. The following table provides guidance on reach ranges for children seated in wheelchairs. These dimensions apply to either forward or side reaches. The reach ranges are appropriate for use with those play components that children seated in wheelchairs may access and reach. Where transfer systems provide access to elevated play components, the reach ranges are not appropriate.

Children's Reach Ranges

Forward or Side Reach	High (maximum)	Low (minimum)
Ages 3 and 4	36 in (915 mm)	20 in (510 mm)
Ages 5 through 8	40 in (1015 mm)	18 in (455 mm)
Ages 9 through 12	44 in (1120 mm)	16 in (405 mm)

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 Fire Alarm Systems

702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1), except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections 7.4 and 7.5 of NFPA 72 (2002 edition).

703 Signs

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

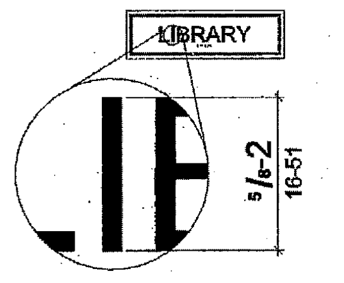


Figure 703.2.5 Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

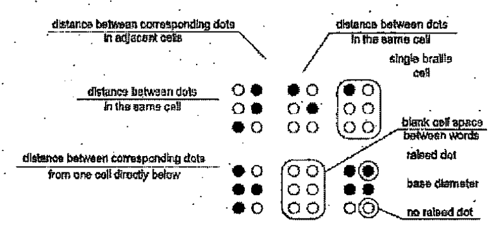

distance between corresponding dots in adjacent cells
distance between dots in the same cell
single braille cell
distance between dots in the same cell
blank cell space between words
raised dot
distance between corresponding dots from one cell directly below
base diameter
no raised dot

Figure 703.3.1 Braille Measurement

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

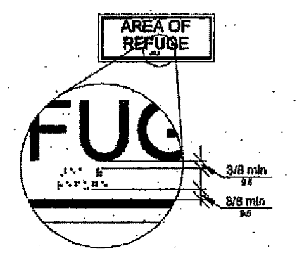


Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

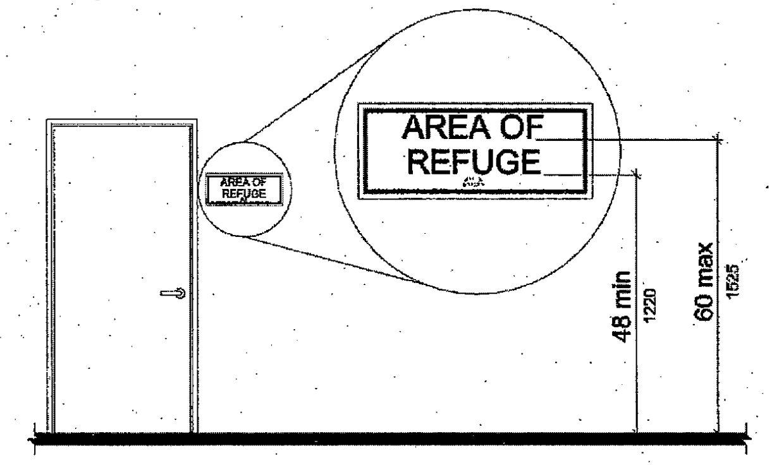


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

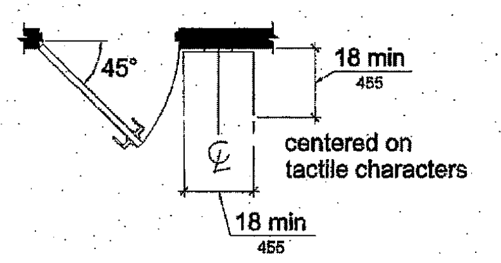


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

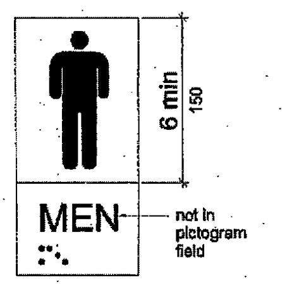
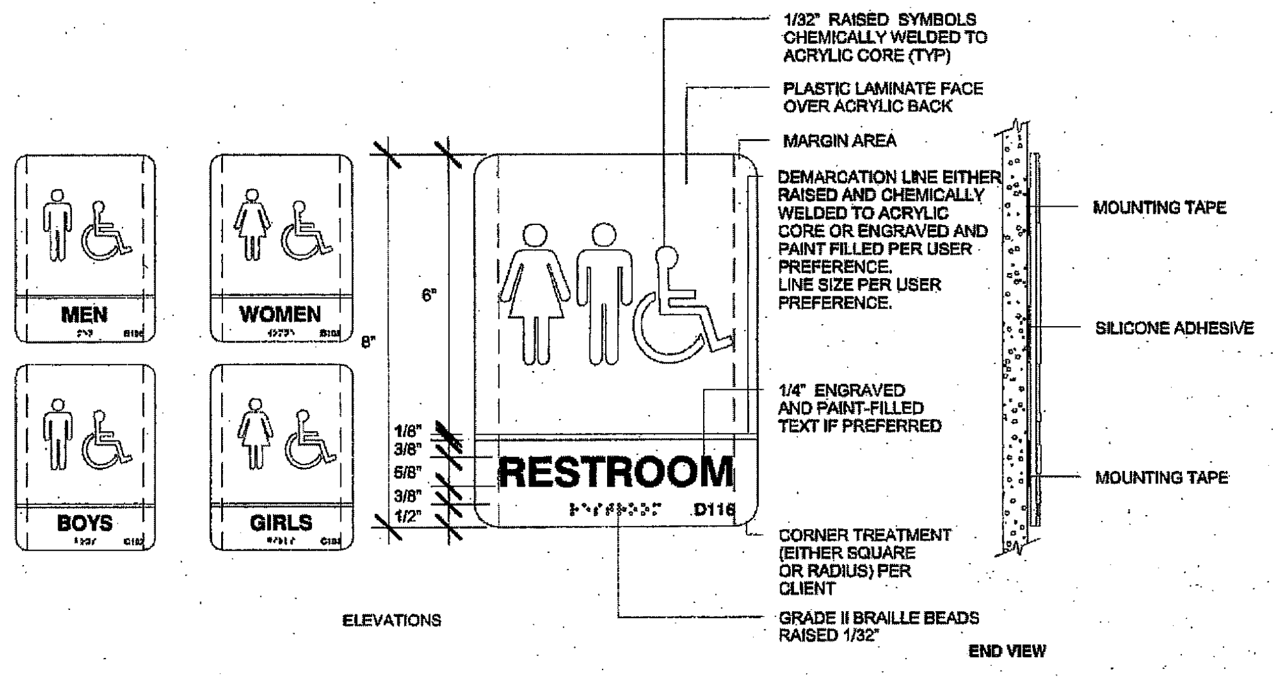
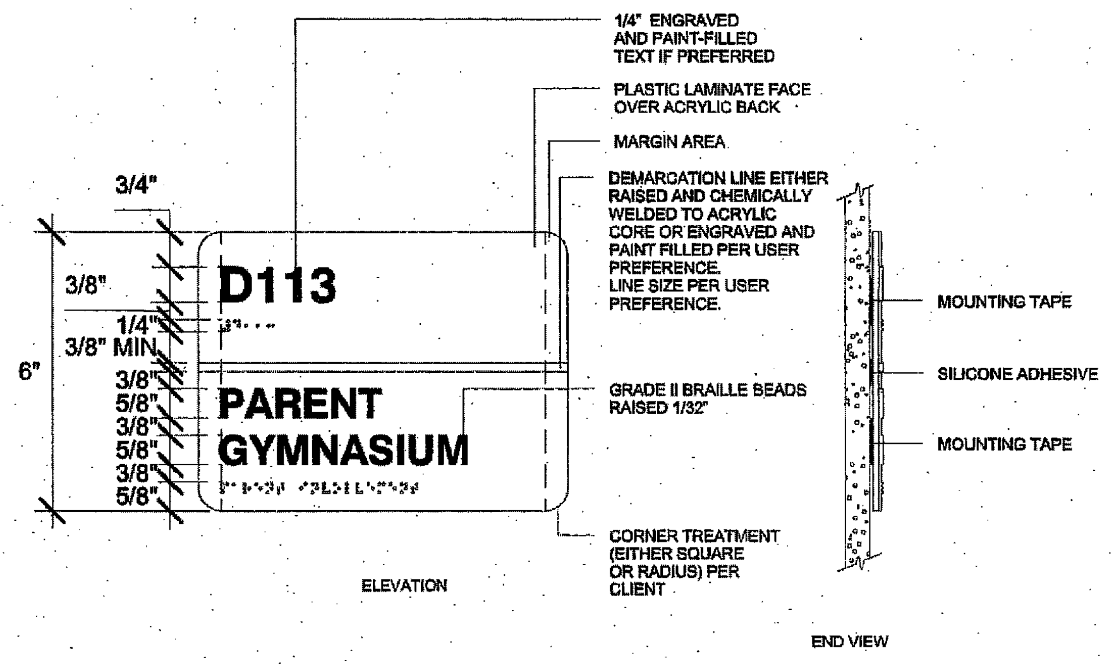
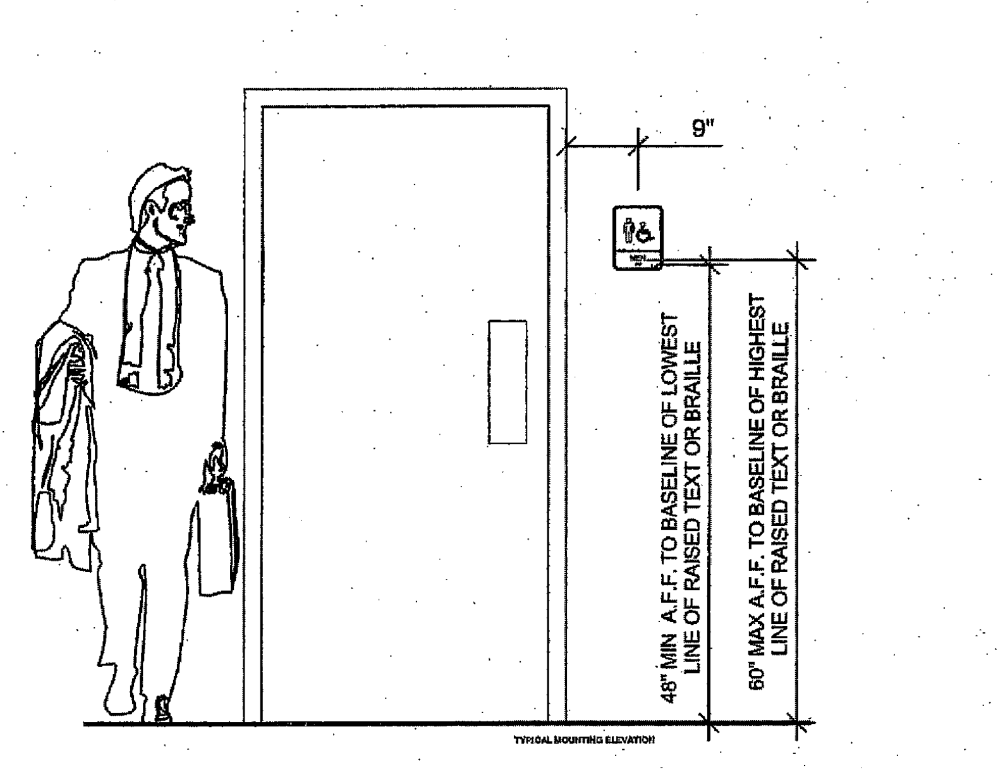


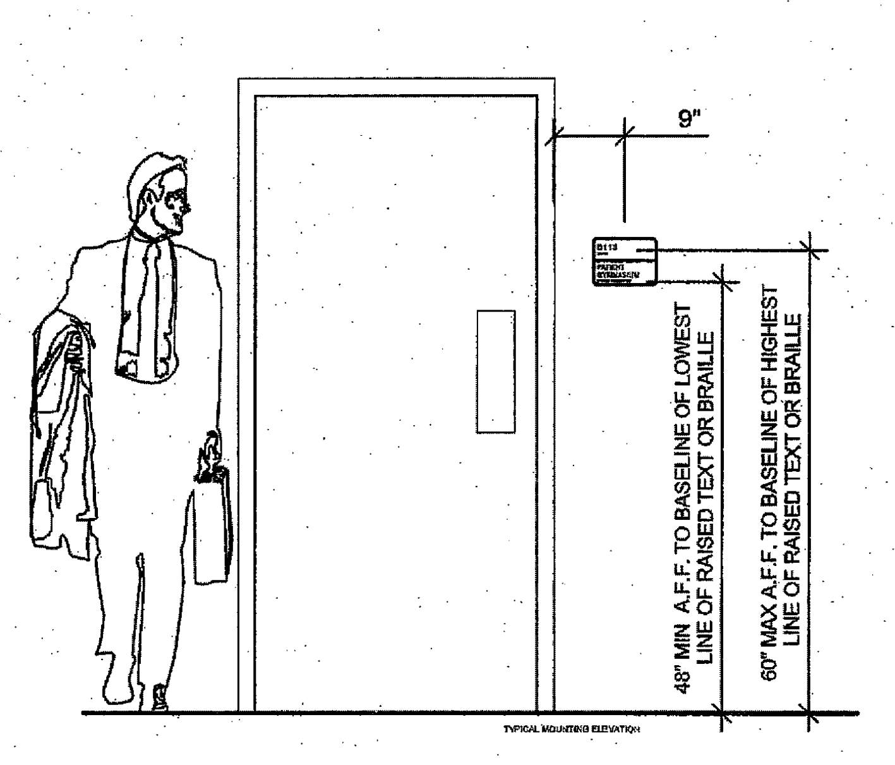
Figure 703.6.1 Pictogram Field
dark-on-light.

5 *1/4" = 1'-0"*
Sign Notes

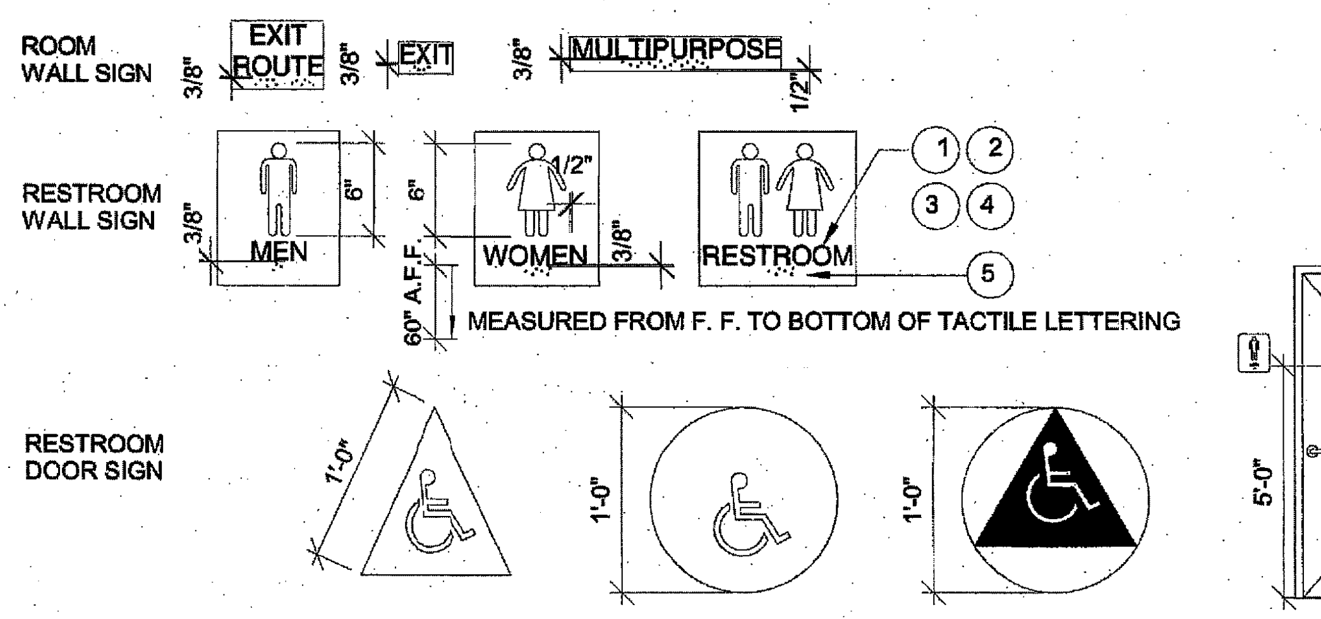

MEN
WOMEN
BOYS
GIRLS
6"
8"
1/8"
3/8"
5/8"
3/8"
1/2"
RESTROOM
D116
1/32" RAISED SYMBOLS CHEMICALLY WELDED TO ACRYLIC CORE (TYP)
PLASTIC LAMINATE FACE OVER ACRYLIC BACK
MARGIN AREA
DEMARCATION LINE EITHER RAISED AND CHEMICALLY WELDED TO ACRYLIC CORE OR ENGRAVED AND PAINT FILLED PER USER PREFERENCE. LINE SIZE PER USER PREFERENCE.
1/4" ENGRAVED AND PAINT-FILLED TEXT IF PREFERRED
CORNER TREATMENT (EITHER SQUARE OR RADIUS) PER CLIENT
GRADE II BRAILLE BEADS RAISED 1/32"
MOUNTING TAPE
SILICONE ADHESIVE
MOUNTING TAPE
ELEVATIONS
END VIEW

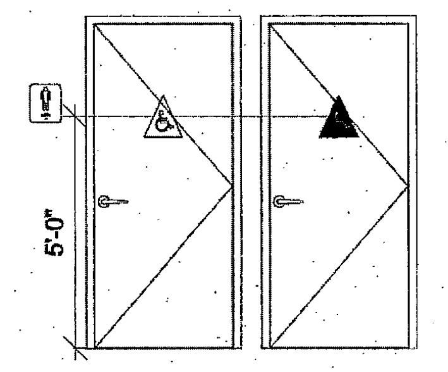

3/4"
3/8"
1/4"
3/8" MIN
6"
3/8"
5/8"
3/8"
5/8"
3/8"
5/8"
D113
PARENT GYMNASIUM
1/4" ENGRAVED AND PAINT-FILLED TEXT IF PREFERRED
PLASTIC LAMINATE FACE OVER ACRYLIC BACK
MARGIN AREA
DEMARCATION LINE EITHER RAISED AND CHEMICALLY WELDED TO ACRYLIC CORE OR ENGRAVED AND PAINT FILLED PER USER PREFERENCE. LINE SIZE PER USER PREFERENCE.
GRADE II BRAILLE BEADS RAISED 1/32"
CORNER TREATMENT (EITHER SQUARE OR RADIUS) PER CLIENT
MOUNTING TAPE
SILICONE ADHESIVE
MOUNTING TAPE
ELEVATION
END VIEW


9"
48" MIN. A.F.F. TO BASELINE OF LOWEST LINE OF RAISED TEXT OR BRAILLE
60" MAX A.F.F. TO BASELINE OF HIGHEST LINE OF RAISED TEXT OR BRAILLE

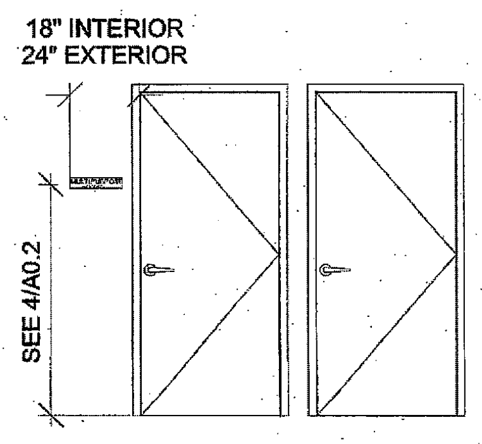

9"
48" MIN. A.F.F. TO BASELINE OF LOWEST LINE OF RAISED TEXT OR BRAILLE
60" MAX A.F.F. TO BASELINE OF HIGHEST LINE OF RAISED TEXT OR BRAILLE

4 *1/2" = 1'-0"*
Signage





1/4"=1'-0"

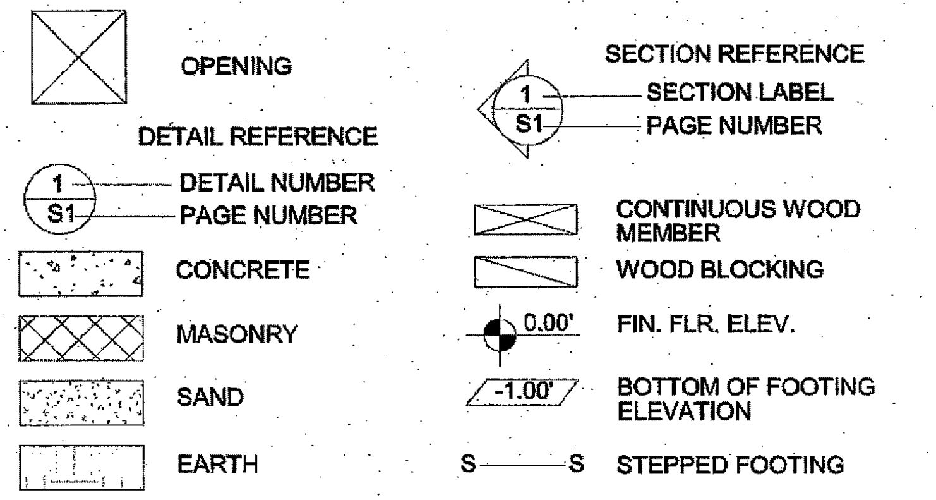


1. CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MIN. AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2.
2. RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH AND A MAXIMUM OF 2 INCHES HIGH.
3. CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. 11B-703-5.1.
4. TRIANGLE OR CIRCLE SMALL CONTRAST WITH DOOR. EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. 11B-703.7:2.6.1 AND 11B-703.2.2.6.2
5. CHARACTERES ON SIGN SHALL HAVE A WIDTH-TO HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH TO HEIGHT RATIO OF BETWEEN 1:5 AND 1:10

CALIFORNIA CONTRACTED BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS.
DOTS SHALL BE 1/10 INCH ON CENTERS IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS, MEASURED THE SECOND COLUMN OF DOTS IN THE FIRSTCELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL.
DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCHES ABOVE THE BACKGROUND

3 *1/4" = 1'-0"*
Signage and Notes

NOT IN USE



1 *6" = 1'-0"*
Symbols

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISHER
No. S3580
STRUCTURAL
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE 2013 CBC A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS RF SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
SIGNAGE AND SYMBOLS

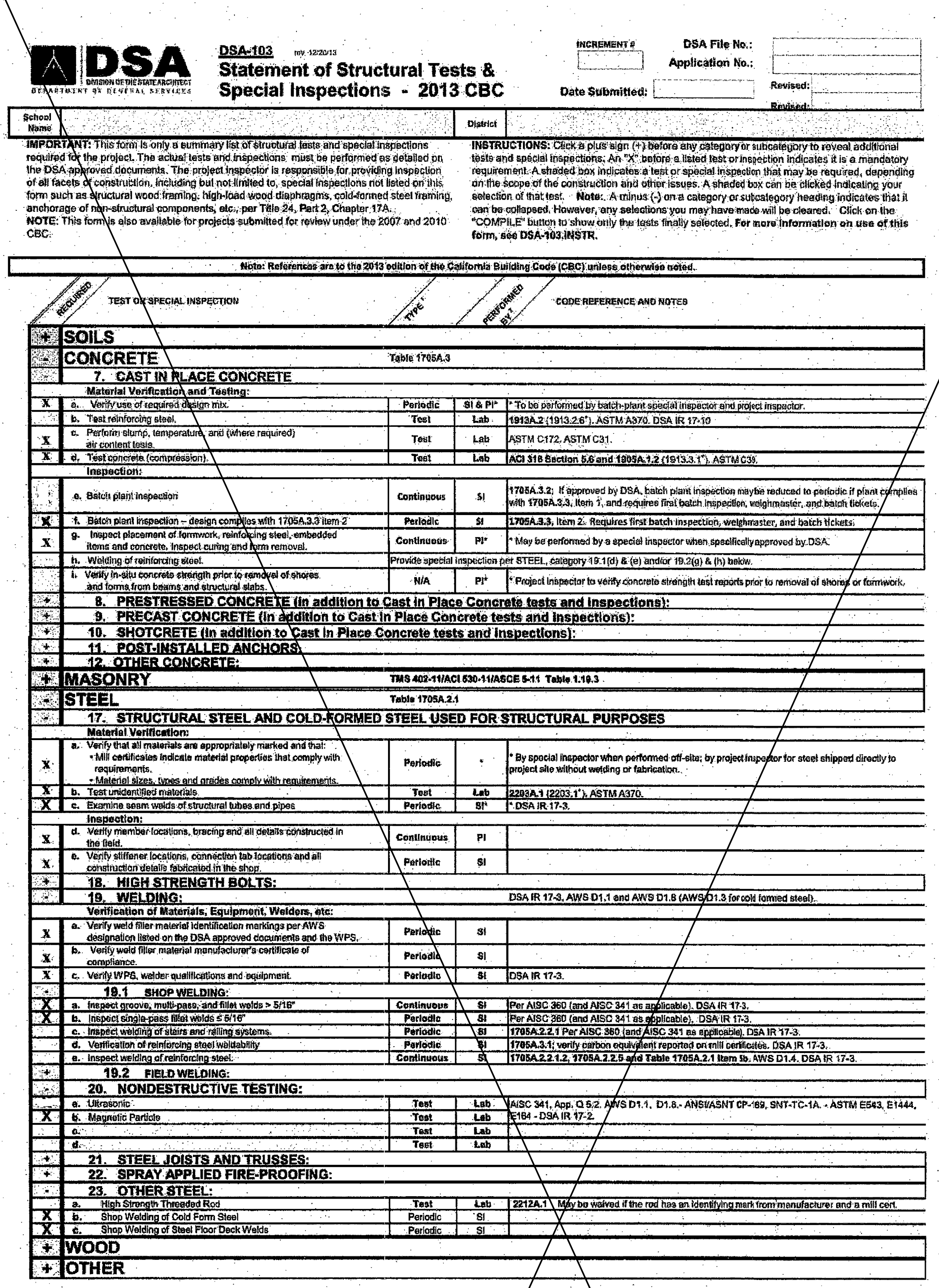
PROJECT NUMBER 15046
DRAWN BY rMc/SM
CHECKED BY JA/RT
DATE 2016/03/02
SHEET NO. A0.2
SHEET OF SHEETS

ADDENDUM

3/3/2016 8:59:40 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

3/3/2016 8:09:41 PM

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt



DSA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES

DSA-103 rev 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #

DSA File No.:

Application No.:

Date Submitted:

Revised:

Revised:

School Name

District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

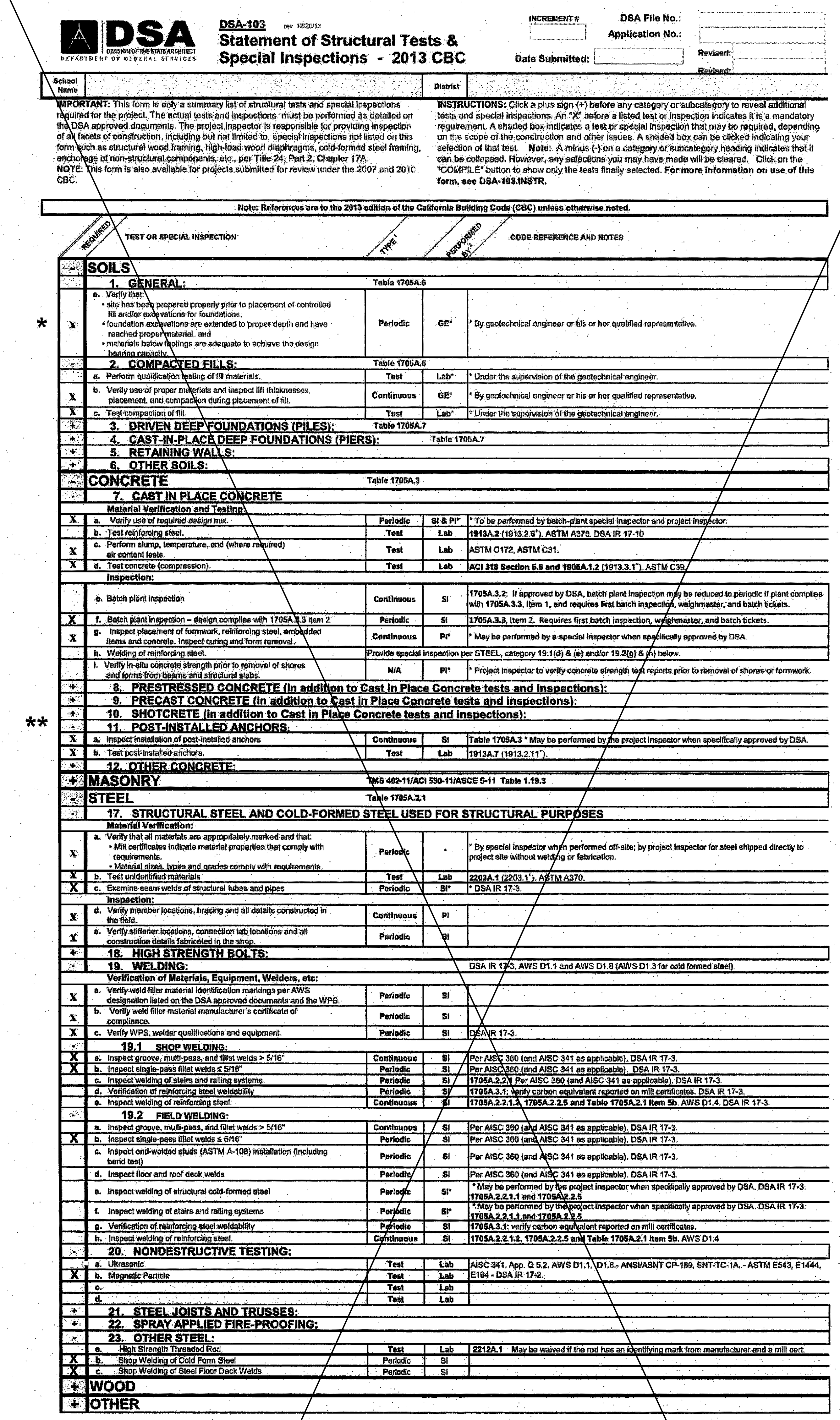
INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. **Note:** A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. **For more information on use of this form, see DSA-103.INSTR.**

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE ¹	PERFORMED BY ²	CODE REFERENCE AND NOTES
+	**SOILS**			
-	**CONCRETE**	Table 1705A.3		
-	**7. CAST IN PLACE CONCRETE**			
	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
	b. Test reinforcing steel.	Test	Lab	1913A.2 (1913.2.6*). ASTM A370. DSA IR 17-10
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1905A.1.2 (1913.3.1*). ASTM C39.
	Inspection:			
	e. Batch plant inspection	Continuous	SI	1705A.3.2: If approved by DSA, batch plant inspection maybe reduced to periodic if plant complies with 1705A.3.3, Item 1, and requires first batch inspection, weighmaster, and batch tickets.
X	f. Batch plant inspection – design complies with 1705A.3.3 item 2	Periodic	SI	1705A.3.3, Item 2. Requires first batch inspection, weighmaster, and batch tickets.
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
	h. Welding of reinforcing steel.	Provide special inspection per STEEL, category 19.1(d) & (e) and/or 19.2(g) & (h) below.		
	i. Verify in-situ concrete strength prior to removal of shores and forms from beams and structural slabs.	N/A	PI*	* Project inspector to verify concrete strength test reports prior to removal of shores or formwork.
+	**8. PRESTRESSED CONCRETE (in addition to Cast in Place Concrete tests and inspections):**			
+	**9. PRECAST CONCRETE (in addition to Cast in Place Concrete tests and inspections):**			
+	**10. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections):**			
+	**11. POST-INSTALLED ANCHORS:**			
+	**12. OTHER CONCRETE:**			
+	**MASONRY**	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	**STEEL**	Table 1705A.2.1		
-	**17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES**			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials.	Test	Lab	2203A.1 (2203.1*). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
+	**18. HIGH STRENGTH BOLTS:**			
-	**19. WELDING:**			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	**19.1 SHOP WELDING:**			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	d. Verification of reinforcing steel weldability	Periodic	SI	1705A.3.1; verify carbon equivalent reported on mill certificates. DSA IR 17-3.
	e. Inspect welding of reinforcing steel.	Continuous	SI	1705A.2.2.1.2, 1705A.2.2.5 and Table 1705A.2.1 Item 5b. AWS D1.4. DSA IR 17-3.
+	**19.2 FIELD WELDING:**			
-	**20. NONDESTRUCTIVE TESTING:**			
	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8.- ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
	c.	Test	Lab	
	d.	Test	Lab	
+	**21. STEEL JOISTS AND TRUSSES:**			
+	**22. SPRAY APPLIED FIRE-PROOFING:**			
-	**23. OTHER STEEL:**			
	a. High Strength Threaded Rod	Test	Lab	2212A.1 May be waived if the rod has an identifying mark from manufacturer and a mill cert.
X	b. Shop Welding of Cold Form Steel	Periodic	SI	
X	c. Shop Welding of Steel Floor Deck Welds	Periodic	SI	
+	**WOOD**			
+	**OTHER**			

THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING

2 6" = 1'-0"
DSA-103 CONCRETE FLOOR (Stockpile)



DSA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES

DSA-103 rev 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #

DSA File No.:

Application No.:

Date Submitted:

Revised:

Revised:

School Name

District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. **Note:** A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. **For more information on use of this form, see DSA-103.INSTR.**

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

	REQUIRED	TEST OR SPECIAL INSPECTION	TYPE ¹	PERFORMED BY ²	CODE REFERENCE AND NOTES
	-	**SOILS**			
	-	**1. GENERAL:**	Table 1705A.6		
*	X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
	-	**2. COMPACTED FILLS:**	Table 1705A.6		
		a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
	X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
	X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
	+	**3. DRIVEN DEEP FOUNDATIONS (PILES):**	Table 1705A.7		
	+	**4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):**	Table 1705A.7		
	+	**5. RETAINING WALLS:**			
	+	**6. OTHER SOILS:**			
	-	**CONCRETE**	Table 1705A.3		
	-	**7. CAST IN PLACE CONCRETE**			
		Material Verification and Testing:			
	X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
		b. Test reinforcing steel.	Test	Lab	1913A.2 (1913.2.6*). ASTM A370. DSA IR 17-10
	X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
	X	d. Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1905A.1.2 (1913.3.1*). ASTM C39.
		Inspection:			
		e. Batch plant inspection	Continuous	SI	1705A.3.2: If approved by DSA, batch plant inspection may be reduced to periodic if plant complies with 1705A.3.3, Item 1, and requires first batch inspection, weighmaster, and batch tickets.
	X	f. Batch plant inspection – design complies with 1705A.3.3 item 2	Periodic	SI	1705A.3.3, Item 2. Requires first batch inspection, weighmaster, and batch tickets.
	X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
		h. Welding of reinforcing steel.	Provide special inspection per STEEL, category 19.1(d) & (e) and/or 19.2(g) & (h) below.		
		i. Verify in-situ concrete strength prior to removal of shores and forms from beams and structural slabs.	N/A	PI*	* Project inspector to verify concrete strength test reports prior to removal of shores or formwork.
	+	**8. PRESTRESSED CONCRETE (in addition to Cast in Place Concrete tests and inspections):**			
	+	**9. PRECAST CONCRETE (in addition to Cast in Place Concrete tests and inspections):**			
	+	**10. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections):**			
**	-	**11. POST-INSTALLED ANCHORS:**			
	X	a. Inspect installation of post-installed anchors	Continuous	SI	Table 1705A.3 * May be performed by the project inspector when specifically approved by DSA.
	X	b. Test post-installed anchors.	Test	Lab	1913A.7 (1913.2.11*).
	+	**12. OTHER CONCRETE:**			
	+	**MASONRY**	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
	-	**STEEL**	Table 1705A.2.1		
	-	**17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES**			
		Material Verification:			
	X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
	X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1*). ASTM A370.
	X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
		Inspection:			
	X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
	X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
	+	**18. HIGH STRENGTH BOLTS:**			
	-	**19. WELDING:**			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
		Verification of Materials, Equipment, Welders, etc:			
	X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
	X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
	X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	-	**19.1 SHOP WELDING:**			
	X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
		c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
		d. Verification of reinforcing steel weldability	Periodic	SI	1705A.3.1; verify carbon equivalent reported on mill certificates. DSA IR 17-3.
		e. Inspect welding of reinforcing steel.	Continuous	SI	1705A.2.2.1.2, 1705A.2.2.5 and Table 1705A.2.1 Item 5b. AWS D1.4. DSA IR 17-3.
	-	**19.2 FIELD WELDING:**			
		a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
		c. Inspect end-welded studs (ASTM A-108) installation (including bend test)	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
		d. Inspect floor and roof deck welds	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
		e. Inspect welding of structural cold-formed steel	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. 1705A.2.2.1.1 and 1705A.2.2.5
		f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. 1705A.2.2.1.1 and 1705A.2.2.5
		g. Verification of reinforcing steel weldability	Periodic	SI	1705A.3.1; verify carbon equivalent reported on mill certificates.
		h. Inspect welding of reinforcing steel.	Continuous	SI	1705A.2.2.1.2, 1705A.2.2.5 and Table 1705A.2.1 Item 5b. AWS D1.4
	-	**20. NONDESTRUCTIVE TESTING:**			
		a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8.- ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543, E1444, E164 - DSA IR 17-2.
	X	b. Magnetic Particle	Test	Lab	
		c.	Test	Lab	
		d.	Test	Lab	
	+	**21. STEEL JOISTS AND TRUSSES:**			
	+	**22. SPRAY APPLIED FIRE-PROOFING:**			
	-	**23. OTHER STEEL:**			
		a. High Strength Threaded Rod	Test	Lab	2212A.1 May be waived if the rod has an identifying mark from manufacturer and a mill cert.
	X	b. Shop Welding of Cold Form Steel	Periodic	SI	
	X	c. Shop Welding of Steel Floor Deck Welds	Periodic	SI	
	+	**WOOD**			
	+	**OTHER**			

* SOILS ITEMS 1.GENERAL-A AND 2. COMPACTED FILL-A,B,C
ARE ONLY APPLICABLE AS REQUIRED BY SITE SPECIFIC GEOTECHNICAL REPORT

** CONCRETE ITEM 11.POST INSTALLED ACHORS-A,B
ARE ONLY APPLICABLE IF DETAILS 3 / F2.22 AND 5 / F2.22 POST-INSTALLED ANCHOR OPTION IS USED

THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING

1 6" = 1'-0"
DSA-103 CONCRETE FLOOR (Concrete Foundation)

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FR
STRUCTURAL
03/02/2016

CLIENT

CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS – SS
DATE DEC 0 8 2016

Revision Schedule

#	Description	Date

SHEET TITLE

DSA-103 T&I
CONCRETE
FLOORS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

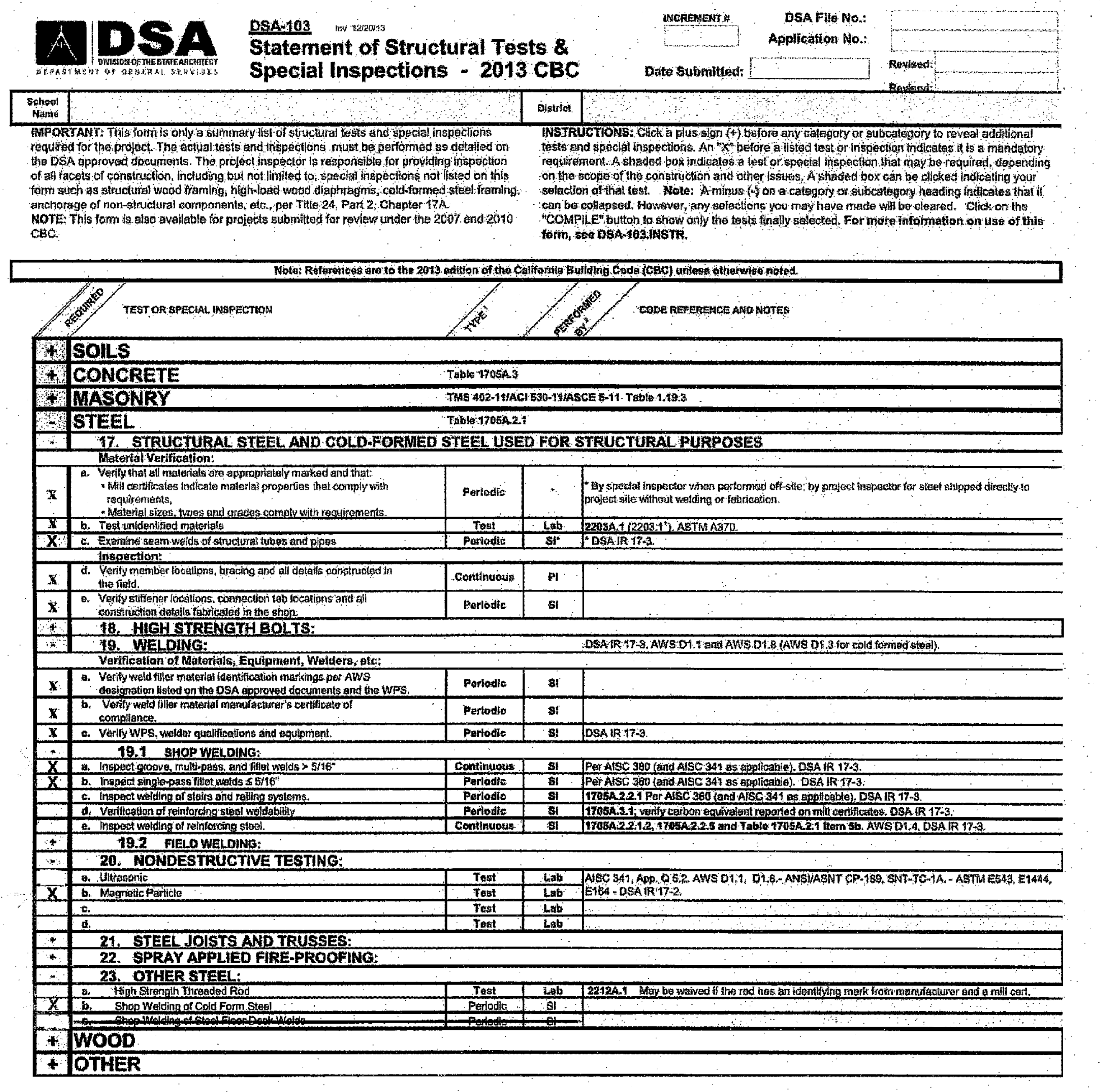
SHEET NO.
A0.3

ADDENDUM

Proprietary Property of Class Leasing

Proprietary Property of Class Leasing

Proprietary Property of Class Leasing



DSA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES

DSA-103 rev 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #
DSA File No.:
Application No.:
Date Submitted:
Revised:
Revised:

School Name		District	

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

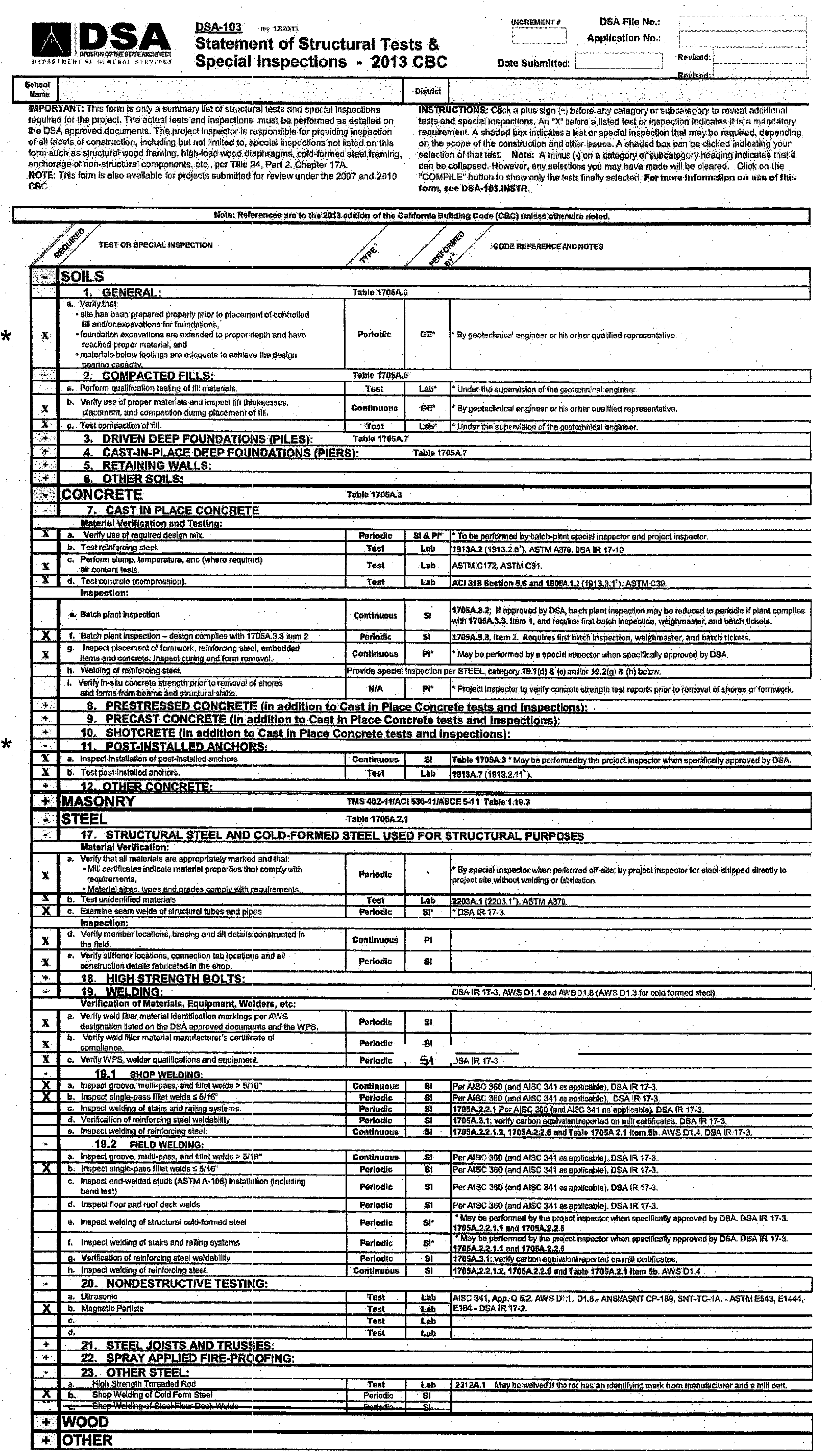
INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. **Note:** A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. **For more information on use of this form, see DSA-103.INSTR.**

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE[1]	PERFORMED BY[2]	CODE REFERENCE AND NOTES
+	**SOILS**			
+	**CONCRETE**	Table 1705A.3		
+	**MASONRY**	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	**STEEL**	Table 1705A.2.1		
-	**17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES**			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1*). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
+	**18. HIGH STRENGTH BOLTS:**			
-	**19. WELDING:**			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	**19.1 SHOP WELDING:**			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	c. Inspect welding of stairs and railing systems.	Periodic	SI	**1705A.2.2.1** Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	d. Verification of reinforcing steel weldability	Periodic	SI	**1705A.3.1**; verify carbon equivalent reported on mill certificates. DSA IR 17-3.
	e. Inspect welding of reinforcing steel.	Continuous	SI	**1705A.2.2.1.2, 1705A.2.2.5 and Table 1705A.2.1 Item 5b.** AWS D1.4. DSA IR 17-3.
+	**19.2 FIELD WELDING:**			
-	**20. NONDESTRUCTIVE TESTING:**			
	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8.- ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
	c.	Test	Lab	
	d.	Test	Lab	
+	**21. STEEL JOISTS AND TRUSSES:**			
+	**22. SPRAY APPLIED FIRE-PROOFING:**			
-	**23. OTHER STEEL:**			
	a. High Strength Threaded Rod	Test	Lab	**2212A.1** May be waived if the rod has an identifying mark from manufacturer and a mill cert.
X	b. Shop Welding of Cold Form Steel	Periodic	SI	
	~~c. Shop Welding of Steel Floor Deck Welds~~	~~Periodic~~	~~SI~~	
+	**WOOD**			
+	**OTHER**			

THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING

3 6" = 1'-0"
DSA-103 PLYWOOD FLOOR (Stockpile)



DSA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES

DSA-103 rev 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #
DSA File No.:
Application No.:
Date Submitted:
Revised:
Revised:

School Name		District	

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. **Note:** A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. **For more information on use of this form, see DSA-103.INSTR.**

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

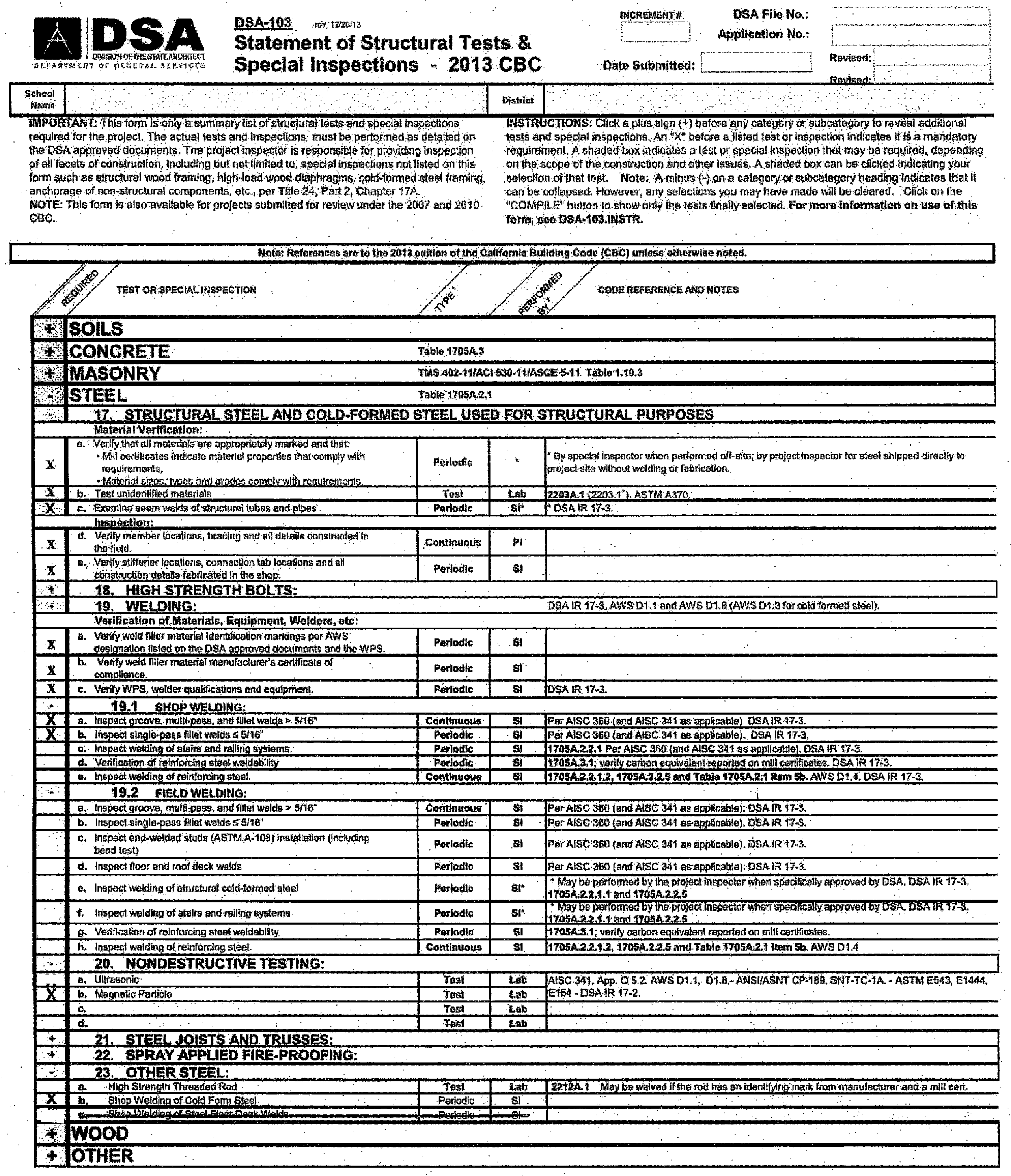
REQUIRED	TEST OR SPECIAL INSPECTION	TYPE[1]	PERFORMED BY[2]	CODE REFERENCE AND NOTES
-	**SOILS**			
-	**1. GENERAL:**	Table 1705A.6		
* X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
-	**2. COMPACTED FILLS:**	Table 1705A.6		
	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
+	**3. DRIVEN DEEP FOUNDATIONS (PILES):**	Table 1705A.7		
+	**4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):**	Table 1705A.7		
+	**5. RETAINING WALLS:**			
+	**6. OTHER SOILS:**			
-	**CONCRETE**	Table 1705A.3		
-	**7. CAST IN PLACE CONCRETE**			
	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
	b. Test reinforcing steel.	Test	Lab	1913A.2 (1913.2.6*). ASTM A370. DSA IR 17-10
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	**ACI 318 Section 5.6 and 1905A.1.2** (1913.3.1*). ASTM C39.
	Inspection:			
	e. Batch plant inspection	Continuous	SI	**1705A.3.2**; If approved by DSA, batch plant inspection may be reduced to periodic if plant complies with **1705A.3.3**, Item 1, and requires first batch inspection, weighmaster, and batch tickets.
X	f. Batch plant inspection – design complies with 1705A.3.3 item 2	Periodic	SI	**1705A.3.3**, Item 2. Requires first batch inspection, weighmaster, and batch tickets.
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
	h. Welding of reinforcing steel.	Provide special inspection per STEEL, category 19.1(d) & (e) and/or 19.2(g) & (h) below.		
	i. Verify in-situ concrete strength prior to removal of shores and forms from beams and structural slabs.	N/A	PI*	* Project inspector to verify concrete strength test reports prior to removal of shores or formwork.
+	**8. PRESTRESSED CONCRETE (in addition to Cast in Place Concrete tests and inspections):**			
+	**9. PRECAST CONCRETE (in addition to Cast in Place Concrete tests and inspections):**			
+	**10. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections):**			
** -	**11. POST-INSTALLED ANCHORS:**			
X	a. Inspect installation of post-installed anchors	Continuous	SI	**Table 1705A.3** * May be performed by the project inspector when specifically approved by DSA.
X	b. Test post-installed anchors.	Test	Lab	1913A.7 (1913.2.11*).
+	**12. OTHER CONCRETE:**			
+	**MASONRY**	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	**STEEL**	Table 1705A.2.1		
-	**17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES**			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1*). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
+	**18. HIGH STRENGTH BOLTS:**			
-	**19. WELDING:**			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	**19.1 SHOP WELDING:**			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	c. Inspect welding of stairs and railing systems.	Periodic	SI	**1705A.2.2.1** Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	d. Verification of reinforcing steel weldability	Periodic	SI	**1705A.3.1**; verify carbon equivalent reported on mill certificates. DSA IR 17-3.
	e. Inspect welding of reinforcing steel.	Continuous	SI	**1705A.2.2.1.2, 1705A.2.2.5 and Table 1705A.2.1 Item 5b.** AWS D1.4. DSA IR 17-3.
-	**19.2 FIELD WELDING:**			
	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	c. Inspect end-welded studs (ASTM A-108) installation (including bend test)	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	d. Inspect floor and roof deck welds	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	e. Inspect welding of structural cold-formed steel	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. **1705A.2.2.1.1 and 1705A.2.2.5**
	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. **1705A.2.2.1.1 and 1705A.2.2.5**
	g. Verification of reinforcing steel weldability	Periodic	SI	**1705A.3.1**; verify carbon equivalent reported on mill certificates.
	h. Inspect welding of reinforcing steel.	Continuous	SI	**1705A.2.2.1.2, 1705A.2.2.5 and Table 1705A.2.1 Item 5b.** AWS D1.4
-	**20. NONDESTRUCTIVE TESTING:**			
	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8.- ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
	c.	Test	Lab	
	d.	Test	Lab	
+	**21. STEEL JOISTS AND TRUSSES:**			
+	**22. SPRAY APPLIED FIRE-PROOFING:**			
-	**23. OTHER STEEL:**			
	a. High Strength Threaded Rod	Test	Lab	**2212A.1** May be waived if the rod has an identifying mark from manufacturer and a mill cert.
X	b. Shop Welding of Cold Form Steel	Periodic	SI	
	~~c. Shop Welding of Steel Floor Deck Welds~~	~~Periodic~~	~~SI~~	
+	**WOOD**			
+	**OTHER**			

* SOILS ITEMS 1.GENERAL-A AND 2. COMPACTED FILL-A,B,C
ARE ONLY APPLICABLE AS REQUIRED BY SITE SPECIFIC GEOTECHNICAL REPORT

** CONCRETE ITEM 11.POST INSTALLED ACHORS-A,B
ARE ONLY APPLICABLE IF DETAILS 3/F2.22 AND 5/F2.22 POST-INSTALLED ANCHOR OPTION IS USED

THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING

2 6" = 1'-0"
DSA-103 PLYWOOD FLOOR (Concrete Foundation)



DSA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES

DSA-103 rev 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #
DSA File No.:
Application No.:
Date Submitted:
Revised:
Revised:

School Name		District	

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. **Note:** A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. **For more information on use of this form, see DSA-103.INSTR.**

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE[1]	PERFORMED BY[2]	CODE REFERENCE AND NOTES
+	**SOILS**			
+	**CONCRETE**	Table 1705A.3		
+	**MASONRY**	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	**STEEL**	Table 1705A.2.1		
-	**17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES**			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1*). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
+	**18. HIGH STRENGTH BOLTS:**			
-	**19. WELDING:**			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	**19.1 SHOP WELDING:**			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	c. Inspect welding of stairs and railing systems.	Periodic	SI	**1705A.2.2.1** Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	d. Verification of reinforcing steel weldability	Periodic	SI	**1705A.3.1**; verify carbon equivalent reported on mill certificates. DSA IR 17-3.
	e. Inspect welding of reinforcing steel.	Continuous	SI	**1705A.2.2.1.2, 1705A.2.2.5 and Table 1705A.2.1 Item 5b.** AWS D1.4. DSA IR 17-3.
-	**19.2 FIELD WELDING:**			
	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	c. Inspect end-welded studs (ASTM A-108) installation (including bend test)	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	d. Inspect floor and roof deck welds	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
	e. Inspect welding of structural cold-formed steel	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. **1705A.2.2.1.1 and 1705A.2.2.5**
	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. **1705A.2.2.1.1 and 1705A.2.2.5**
	g. Verification of reinforcing steel weldability	Periodic	SI	**1705A.3.1**; verify carbon equivalent reported on mill certificates.
	h. Inspect welding of reinforcing steel.	Continuous	SI	**1705A.2.2.1.2, 1705A.2.2.5 and Table 1705A.2.1 Item 5b.** AWS D1.4
-	**20. NONDESTRUCTIVE TESTING:**			
	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8.- ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543, E1444, E164 - DSA IR 17-2.
X	b. Magnetic Particle	Test	Lab	
	c.	Test	Lab	
	d.	Test	Lab	
+	**21. STEEL JOISTS AND TRUSSES:**			
+	**22. SPRAY APPLIED FIRE-PROOFING:**			
-	**23. OTHER STEEL:**			
	a. High Strength Threaded Rod	Test	Lab	**2212A.1** May be waived if the rod has an identifying mark from manufacturer and a mill cert.
X	b. Shop Welding of Cold Form Steel	Periodic	SI	
	~~c. Shop Welding of Steel Floor Deck Welds~~	~~Periodic~~	~~SI~~	
+	**WOOD**			
+	**OTHER**			

THE EXAMPLE OF FORM DSA-103s SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL EXAMPLE FORM DSA-103s ARE TO BE CROSSED OUT ON THIS DRAWING

1 6" = 1'-0"
DSA-103 PLYWOOD FLOOR (Wood Foundation)

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
No. S3580
03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS Sc FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
DSA-103 T&I
PLYWOOD FLOORS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

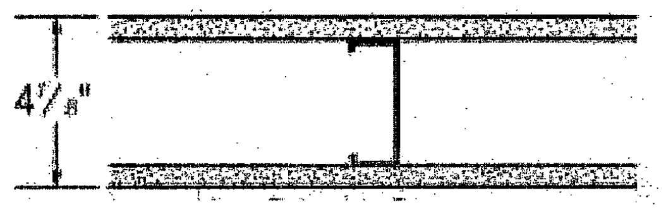
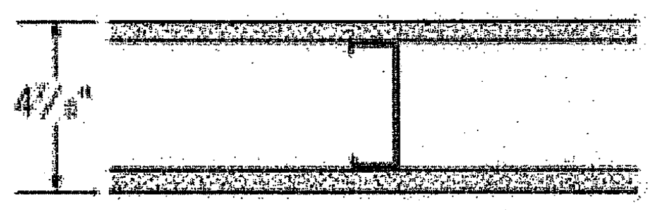
DATE
2016/03/02

SHEET NO.
A0.4

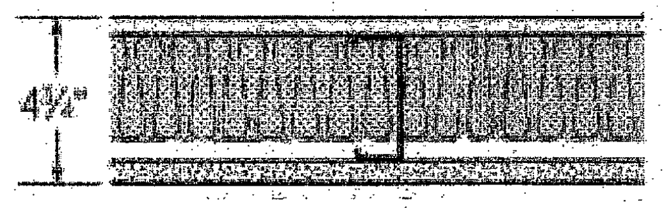
SHEET OF SHEETS

ADDENDUM

UL U419 OR UL U465 (OR EQ) BE BE USED FOR INT. STC RATING. WOOD STUD MAY BE USED ILO OF MTL STUD

	Fire Test	Fire Rating	STC	Thickness (in.)	
 4⁷⁄₈"	**UL U419 or MEA 81-98-M** Steel Stud (Non-loadbearing) Interior Partitions Sound Test: RAL-TL11-125	1 hr.	40	4-7/8"	• **Gypsum Board** - 5/8 in. thick gypsum board applied vertically or horizontally. - SHEETROCK Brand FIRECODE Core (Type X) • **Steel Studs** - 3-5/8 in. wide min. 25 gauge steel studs @ max 24 in. OC - **362S125-18** • **Gypsum Board** - 5/8 in. thick gypsum board applied vertically or horizontally. - SHEETROCK Brand FIRECODE Core (Type X) Visit U419
 4⁷⁄₈"	**UL U465** Steel Stud (Non-loadbearing) Interior Partitions Sound Test: RAL-TL11-125	1 hr.	40	4-7/8"	• **Gypsum Board** - 5/8 in. thick board, applied vertically, attached to studs with 1 in. long, Type S-12 screws, spaced 8 in. OC along the edges and 12 in. OC of the board - SHEETROCK Brand FIRECODE Core (Type X) • **Steel Studs** - 3-5/8 in. wide min. 25 gauge steel. Attached to floor and ceiling with fasteners, 24 in. OC - **362S125-18** • **Gypsum Board** - 5/8 in. thick gypsum board applied vertically or horizontally. - SHEETROCK Brand FIRECODE Core (Type X) Visit U465

UL U457 (OR EQ) BE BE USED FOR EXT. STC RATING . WOOD STUD MAY BE USED ILO OF MTL STUD

	Fire Test	Fire Rating	STC	Thickness (in.)	
 4¾"	**UL U457** Steel Stud (Non-loadbearing) Interior Partitions Sound Test: USG-840222	1 hr.	50	4-3/4"	• **Cement Board** - 1/2 thick board, square edge - DUROCK Brand Cement Board Next Gen • **Steel Studs** - 3-5/8 in. wide by 1-1/4 in. deep, min. 20 gauge steel, max 16 in. OC - **362S125-30** • **Batts and Blankets** - 3 in. mineral wool batt insulation • **Gypsum Board** - 5/8 in. thick gypsum board applied vertically - SHEETROCK Brand FIRECODE Core (Type X) Visit U457 U457

ACOUSTIC CONTROL- When the Pre-check building is site adapted, the building and site features need to comply with the CALGreen Code, Section 5.507.4 for the specific site location, and when PC building is place adjacent to another PC building, the adjoining wall section for interior sound transmission must meet the minimum requirement of a STC rating of 40 (per 2013 CALGreen Code, Section 507.4.3).

1 12" = 1'-0"
SITE ADOPTION (CAL GREEN AND ENERGY)

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
No. S3380
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SL FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
CALGREEN SPEC'S

PROJECT NUMBER 15046
DRAWN BY rMc/SM
CHECKED BY JA/RT
DATE 2016/03/02
SHEET NO. A0.5
SHEET OF SHEETS

ADDENDUM

3/15/2016 9:53:26 AM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

AIA|CC
CALIFORNIA COUNCIL

2013 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1

INSPECTOR SIGNOFF

CHAPTER 3
GREEN BUILDING
SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of $200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

A code section will be designated by a banner to indicate where the code section only applies to newly constructed building [N] or to additions and alterations [AA]. When the code section applies to both, no banner will be used.

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHPD	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES
DIVISION 5.1 PLANNING AND DESIGN
SECTION 5.101 GENERAL

5.101.1 Scope
The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS

5.102.1 DEFINITIONS
The following terms are defined in Chapter 2 *(and are included here for reference)*

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.

LOW-EMITTING AND FUEL EFFICIENT VEHICLES.
Eligible vehicles are limited to the following:

1. Zero emission vehicle (ZEV), including neighborhood electric vehicles (NEV), partial zero emission vehicle (PZEV), advanced technology PZEV (AT ZEV) or CNG fueled (original equipment manufacturer only) regulated under Health and Safety Code section 43800 and CCR, Title 13, Sections 1961 and 1962.
2. High-efficiency vehicles, regulated by U.S. EPA, bearing High-Occupancy Vehicle (HOV) car pool lane stickers issued by the Department of Motor Vehicles.

NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.

TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors.

VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668

ZEV. Any vehicle certified to zero-emission standards.

SECTION 5.106 SITE DEVELOPMENT

5.106.1 STORM WATER POLLUTION PREVENTION. Newly constructed projects and additions which disturb less than one acre of land shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.

☐ **5.106.1.2 Best Management Practices (BMP).** Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMP.

1. Soil loss BMP that should be considered for each project include, but are not limited to, the following:
   a. Scheduling construction activity.
   b. Preservation of natural features, vegetation and soil.
   c. Drainage swales or lined ditches to control stormwater flow.
   d. Mulching or hydroseeding to stabilize disturbed soils.
   e. Erosion control to protect slopes.
   f. Protection of storm drain inlets (gravel bags or catch basin inserts).
   g. Perimeter sediment control (perimeter silt fence, fiber rolls).
   h. Sediment trap or sediment basin to retain sediment on site.
   i. Stabilized construction exits.
   j. Wind erosion control.
   k. Other soil loss BMP acceptable to the enforcing agency.
2. Good housekeeping BMP to manage construction equipment, materials and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Material handling and waste management.
   b. Building materials stockpile management.
   c. Management of washout areas (concrete, paints, stucco, etc.).
   d. Control of vehicle/equipment fueling to contractor's staging area.
   e. Vehicle and equipment cleaning performed off site.
   f. Spill prevention and control.
   g. Other housekeeping BMP acceptable to the enforcing agency.

5.106.4 BICYCLE PARKING. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2

☐ **5.106.4.1 Bicycle parking. [BSC]** Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. [BSC] If the project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.
Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. For new buildings with over 10 tenant-occupants or for additions or alterations that add 10 or more tenant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicle parking spaces being added, with a minimum of one space. Acceptable parking facilities shall be convenient from the street and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

INSPECTOR SIGNOFF

☐ **5.106.4.2 Bicycle parking. [DSA-SS]** For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

5.106.4.2.1 Short-term bicycle parking. Provide permanently anchored bicycle racks within 200 feet of the student entrance, readily visible to passers-by, for 5 percent of the student population based on the total occupant load of the campus, with a minimum of one two-bike capacity rack.

5.106.4.2.2 Long-term bicycle parking. Provide secure bicycle parking for 5% of employees, based on the total number of motorized vehicle parking capacity in the staff parking lot, with a minimum of one space. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

☐ **5.106.5.2 DESIGNATED PARKING.** In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:

TABLE 5.106.5.2 - PARKING

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0-9	0
10-25	1
26-50	3
51-75	6
76-100	8
101-150	11
151-200	16
201 AND OVER	AT LEAST 8% OF TOTAL

☐ **5.106.5.2.1 - Parking stall marking.** Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle:
CLEAN AIR / VAN POOL / EV

Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.

5.106.8 LIGHT POLLUTION REDUCTION. [N] Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 1-4 as defined in Chapter 10 of the California Administrative Code; and
2. Backlight, Uplight and Glare (BUG) ratings as defined in IES TM-15-11; and
3. Allowable BUG ratings not exceeding those shown in Table 5.106.8, or

Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Section 147 of the California Energy Code.
2. Emergency lighting.

Note: [N] See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.

5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path.

DIVISION 5.2 ENERGY EFFICIENCY
SECTION 5.201 GENERAL

5.201.1 Scope. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION
SECTION 5.301 GENERAL

5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS

5.302.1 Definitions. The following terms are defined in Chapter 2 *(and are included here for reference)*

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance 9California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic puroses, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.

SUBMETER. A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose, such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter.

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

SECTION 5.303 INDOOR WATER USE

5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.

☐ **5.303.1.1 Buildings in excess of 50,000 square feet.** Separate submeters shall be installed as follows:

1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:
   a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
   b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
   c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

☐ **5.303.2 WATER REDUCTION.** Plumbing fixtures shall meet the maximum flow rate values shown in Table 5.303.2.3

Exception: Building that demonstrate 20% overall water use reduction. In this case, a calculation demonstrating a 20% reduction in the building "water use baseline," as established in Table 5.303.2.2, shall be provided.

5.303.2.1 Areas of addition or alteration. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.2 and Section 5.303.3 shall apply to new fixtures in additions or areas of alteration to the building.

INSPECTOR SIGNOFF

☐ **5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS.** Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals. The effective flush volume of urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads.

5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 2.0 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.
Note: A hand-held shower shall be considered a showerhead.

☐ **5.303.4 WASTEWATER REDUCTION. [N]** Each building shall reduce by 20 percent wastewater by one of the following methods:
1. [BSC, DSA-SS] The installation of water-conserving fixtures (water closets, urinals) meeting the criteria established in sections 5.303.2 or 5.303.3.
2. [BSC] Utilizing non-potable water systems [captured rainwater, graywater, and municipally treated wastewater (recycled water) complying with the current edition of the California Plumbing Code or other methods described in Section A5.304.8.

☐ **5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS.** Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1401.1 of the California Plumbing Code and in Chapter 6 of this code.

TABLE 5.303.2.2 - WATER USE BASELINE[3]

FIXTURE TYPE	FLOW RATE[2]	DURATION	DAILY USES	OCCUPANTS[2]
SHOWER HEADS	2.0 GPM @ 80 PSI	5 MIN.	1	X[2a]
LAVATORY FAUCETS (NON-RESIDENTIAL)	0.5 GPM @ 60 PSI	.25 MIN.	3	X
KITCHEN FAUCETS	2.2 GPM @ 60 PSI	4 MIN.	1	X[2b]
REPLACEMENT AERATORS	2.2 GPM @ 60 PSI			X
WASH FOUNTAINS	2.2 [RIM SPACE (IN.)/20 GPM@60 PSI]			X
METERING FAUCETS	0.25 GAL/CYCLE	0.25 MIN.	3	X
METERING FAUCETS FOR WASH FOUNTAINS	.25 [RIM SPACE (IN.)/20 GPM@60 PSI]	0.25 MIN.		X
GRAVITY TANK WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE[1], 3 FEMALE	X
FLUSHOMETER TANK WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE[1], 3 FEMALE	X
FLUSHOMETER VALVE WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE[1], 3 FEMALE	X
ELECTROMECHANICAL HYDRAULIC WATER CLOSET	1.28 GAL/FLUSH	1 FLUSH	1 MALE[1], 3 FEMALE	X
URINALS	0.5 GAL/FLUSH	1 FLUSH	2 MALE	X

FIXTURE "WATER USE" = FLOW RATE X DURATION X OCCUPANTS X DAILY USES

1. THE DAILY USE NUMBER SHALL BE INCREASED TO THREE IF URINALS ARE NOT INSTALLED IN THE ROOM.

2. REFER TO TABLE A, CHAPTER 4, CALIF. PLUMBING CODE, FOR OCCUPANT LOAD FACTORS.
a. SHOWER USE BY OCCUPANTS DEPENDS ON THE TYPE OF USE OF A BUILDING OR PORTION OF A BUILDING, E.G., TOTAL OCCUPANT LOAD FOR A HEALTH CLUB, BUT ONLY A FRACTION OF THE OCCUPANTS IN AN OFFICE BUILDING AS DETERMINED BY THE ANTICIPATED NUMBER OF USERS
b. NONRESIDENTIAL KITCHEN FAUCET USE IS DETERMINED BY THE OCCUPANT LOAD OF THE AREA SERVED BY THE FIXTURE.

3. USE WORKSHEET WS-1 TO CALCULATE BASELINE WATER USE.

TABLE 5.303.2.3 - FIXTURE FLOW RATES

FIXTURE TYPE	MAX. FLOW RATE @ 20% REDUCTION
KITCHEN FAUCETS	1.8 GPM @ 60 PSI
WASH FOUNTAINS	1.8 [RIM SPACE (IN.)/20 GPM @ 60 PSI]
METERING FAUCETS	0.20 GALLONS/CYCLE
METERING FAUCETS FOR WASH FOUNTAINS	.20 [RIM SPACE (IN.)/20 GPM @ 60 PSI]

SECTION 5.304 OUTDOOR WATER USE

5.304.1 WATER BUDGET. A water budget shall be developed for landscape irrigation use that installed in conjunction with a new building or an addition or alteration conforms to the local water efficient landscape ordinance or to the California Department of Water Resources Water Efficient Landscape Ordinance where no local ordinance is applicable.

Note: Prescriptive measures to assist in compliance with the water budget are listed in Sections 492.5 through 492.8, 492.10 and 492.11 of the ordinance, which may be found at: http://www.water.ca.gov/wateruseefficiency/docs/WaterOrdSec492.cfm

☐ **5.304.2 OUTDOOR POTABLE WATER USE.** For new water service or for addition or alteration requiring upgraded water service for landscaped areas of at least 1,000 square feet but not more than 5,000 square feet (the level at which Water Code §535 applies), separate submeters or metering devices shall be installed for outdoor potable water use.

☐ **5.304.3 IRRIGATION DESIGN.** In new nonresidential construction with at least 1,000 but not more than 2,500 square feet of cumulative landscaped area (the level at which the MWELO applies), install irrigation controllers and sensors which include the following criteria, and meet manufacturer's recommendations.

5.304.3.1 Irrigation controllers. Automatic irrigation system controllers installed at the time of final inspection shall comply with the following:

1. Controllers shall be weather- or soil moisture-based controllers that automatically adjust irrigation in response to changes in plants' needs as weather conditions change.
2. Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s). Soil moisture-based controllers are not required to have rain sensor input.

Note: More information regarding irrigation controller function and specifications is available from the Irrigation Association.

INSPECTOR SIGNOFF

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY
SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

TEST. A procedure to determine quantitative performance of a system or equipment

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

☐ **5.407.1 WEATHER PROTECTION.** Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1403.2 (Weather Protection) and California Energy Code Section 150, (Mandatory Features and Devices), manufacturer's installation instructions or local ordinance, whichever is more stringent.

☐ **5.407.2 MOISTURE CONTROL.** Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 CONSTRUCTION WASTE MANAGEMENT. Recycle and/or salvage for reuse a minimum of 50% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of loacl recycleing facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 50% minimum requirement as approved by the enforcing agency.

☐ **5.408.1.4 Documentation.** Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:
1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. [BSC] 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:
1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.
2. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

5.410.1 RECYCLING BY OCCUPANTS. Provide readily accessible areas that serve the entire buliding and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics and metals or meet a lawfully enacted local recycling ordinance, if more restrictive..

5.410.1.1 Additions. [A] All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.
Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the *Public Resources Code*. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).
Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

5.410.2 COMMISSIONING. [N] For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. Commissioning requirements shall include:

1. Owner's or Owner representative's project requirements.
2. Basis of design.
2. Commissioning measures shown in the construction documents.
4. Commissioning plan.
5. Functional performance testing.
6. Documentation and training.
7. Commissioning report.

Exceptions:

1. Dry storage warehouses of any size.
2. Areas under 10,000 square feet used for offices or other conditioned accessory spaces within dry storage warehouses.
3. Tenant improvements under 10,000 square feet as described in Section 303.1.1
4. Commissioning requirements for energy systems covered by the 2013 California Energy Code.

All building systems and components covered by Title 24, Part 6, as well as process equipment and controls, and renewable energy systems shall be included in the scope of the commissioning requirements.

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISH
No. S5380
03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATON IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS FLS SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
CAL GREEN
CHECKLIST

PROJECT NUMBER	15046
DRAWN BY	rMc/SM
CHECKED BY	JA/RT
DATE	2016/03/02
SHEET NO.	A0.6

SHEET OF SHEETS

ADDENDUM

3/3/2016 6:59:47 PM
C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

AIA|CC
CALIFORNIA COUNCIL

2013 CALIFORNIA GREEN BUILDING STANDARDS CODE
NONRESIDENTIAL MANDATORY MEASURES, SHEET 2

INSPECTOR SIGNOFF

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:
1. Environmental and sustainability goals.
2. Energy efficiency goals [refer to 2013 California Energy Code, Section 120.8(b)].
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [A] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:
1. Heating, ventilation, air conditioning (HVAC) systems and controls [refer to 2013 California Energy Code, Section 120.8(c)].
2. Indoor lighting system and controls [refer to 2013 California Energy Code, Section 120.8(c)].
3. Water heating system [refer to 2013 California Energy Code, Section 120.8(c)].
4. Renewable energy systems.
5. Landscape irrigation systems.
6. Water reuse systems.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:
1. General project information.
2. Commissioning goals.
3. Systems to be commissioned. Plans to test systems and components shall include:
   a. An explanation of the original design intent.
   b. Equipment and systems to be tested, including the extent of tests.
   c. Functions to be tested.
   d. Conditions under which the test shall be performed.
   e. Measurable criteria for acceptable performance.
4. Commissioning team information.
5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [A] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in *California Code of Regulations* (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:
1. Site information, including facility description, history and current requirements.
2. Site contact information.
3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:
1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the Systems Manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. A report of commissioning process activities undertaken through the design, construction phases of the building project shall be completed and provided to the owner or representative.

Note: Guidance on implementation and enforcement of commissioning requirements, including sample compliance forms and templates, may be found in Appendix A6, Division A6.1, of this code.

5.410.4 TESTING AND ADJUSTING. Testing and adjusting of systems shall be required for buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:
1. HVAC systems and controls.
2. Indoor and outdoor lighting and controls.
3. Water heating systems.
4. Renewable energy systems.
5. Landscape irrigation systems.
6. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

SECTION 5.502 DEFINITIONS

5.502.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I-joists or finger-jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2-1999.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a).
Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question.

SECTION 5.503 FIREPLACES

5.503.1 GENERAL. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA Phase II emission limits where applicable.

INSPECTOR SIGNOFF

SECTION 5.504 POLLUTANT CONTROL

5.504.1.3 Temporary ventilation. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation, or during storage on the construction site and until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may collect in the system.

5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT[1,2]

Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT

Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

INSPECTOR SIGNOFF

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS[1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:
1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the testing and product requirements:
1. Carpet and Rug Institute's Green Label Plus Program.
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350).
3. NSF/ANSI 140 at the Gold level or higher;
4. Scientific Certifications Systems Sustainable Choice; or
5. Compliant with the California Collaborative for High Performance Schools (CA-CHPS) Criteria Interpretation for EQ 2.2 dated July 2012 and listed in the CHPS High Performance Product Database.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:
1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.
5. Other methods acceptable to the enforcing agency.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS[1]

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD[2]	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

INSPECTOR SIGNOFF

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:
1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
3. Compliant with the California Collaborative for High Performance Schools (CA-CHPS) Criteria Interpretation for EQ 2.2 dated July 2012 and listed in the CHPS High Performance Product Database; or
4. Compliant with CDPH criteria as certified under the Greenguard Children's & Schools Program.

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 8. MERV 8 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.
Exceptions:
1. An ASHRAE 10% to 15% efficiency filter shall be permitted for an HVAC unit meeting the 2013 California Energy Code having 60,000 Btu/h or less capacity per fan coil, if the energy use of the air delivery system is 0.4 W/cfm or less at design air flow.
2. Existing mechanical equipment.

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL

5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of *California Building Code*, CCR, Title 24, Part 2, Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures not applicable to low-rise residential occupancies, see Section 5.407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 121 (Requirements For Ventilation) of the 2010 California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 CARBON DIOXIDE (CO_2) MONITORING. For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the 2013 California Energy Code, Section 120(c)(4).

SECTION 5.507 ENVIRONMENTAL COMFORT

5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.
   Exceptions:
   1. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
   2. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.
Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

CHAPTER 7
INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:
1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:
1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISH
No. S3380
STRUCTURAL
STATE OF CALIFORNIA
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SL FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS — SS
DATE DEC 0 8 2016

Revision Schedule

#	Description	Date

SHEET TITLE
CAL GREEN
CHECKLIST

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

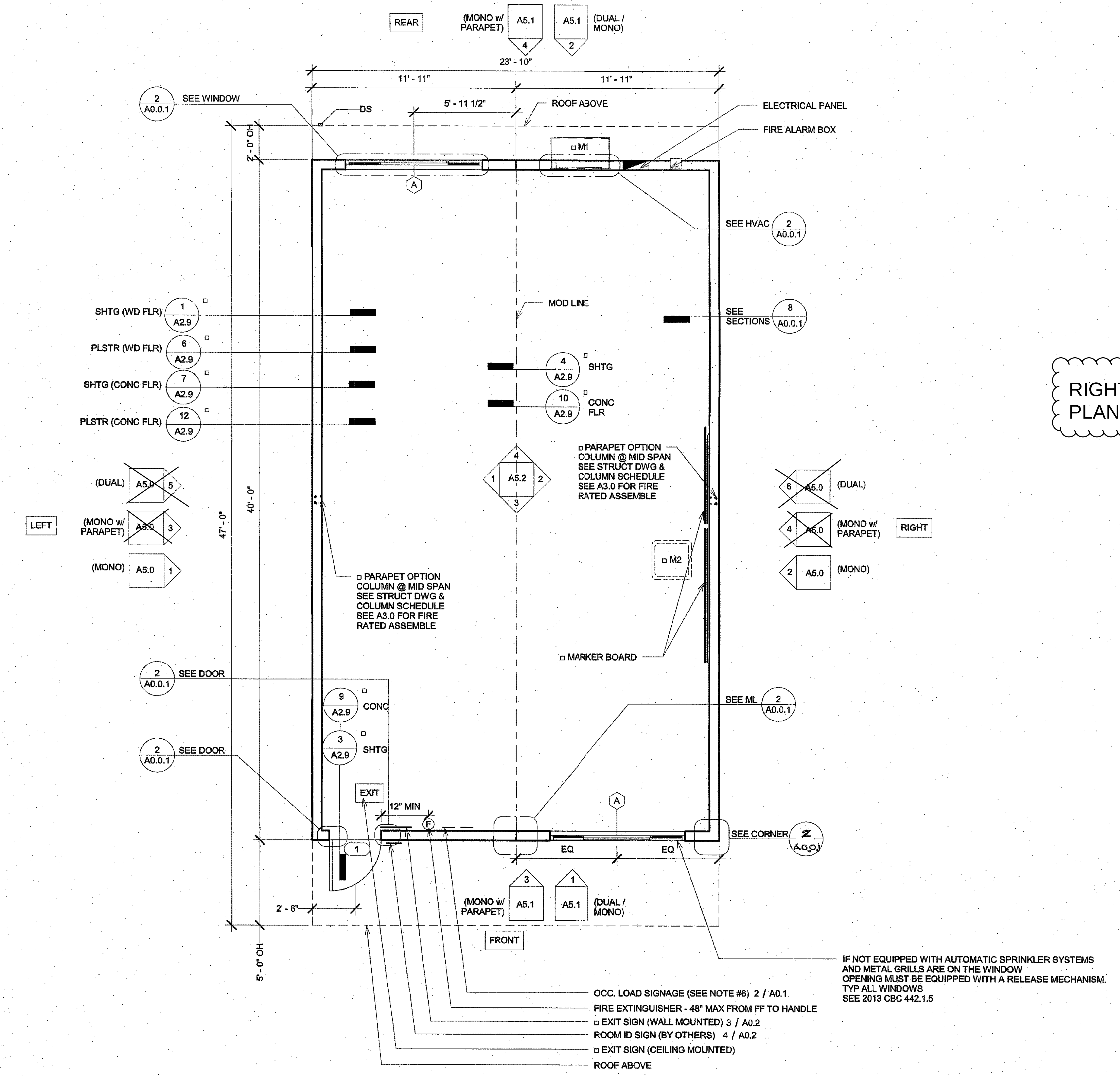
DATE
2016/03/02

SHEET NO.
A0.7

SHEET OF SHEETS

ADDENDUM

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt
3/2/2016 8:59:49 PM



1 *1/4" = 1'-0"*
24x40 Floor Plan

RIGHT-HAND DOOR
PLAN SHOWN OPPOSITE

Wall Schedule

	Stud Size	Sheet	Notes
☒	Wood Wall Stud	S4.5	
~~☐~~	~~Mtl Wall Stud~~	~~S4.5~~	

5 *1/4" = 1'-0"*
Wall Schedule

Fire Rating Schedule

	Rating	Sheet	Notes
☐	1 HOUR - SIDING OVER WD STUDS	A2.5	
☐	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6	
☐	1 HOUR - SIDING OVER STL STUDS	A2.7	
☐	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.8	

SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS

4 *1/4" = 1'-0"*
Fire Rating Scedule

Ext. Finish Schedule

	Finishes	Sheet	Notes
☒	SIDING OVER WD STUDS	A2.1	
☐	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2	
☐	SIDING OVER STL STUDS	A2.3	
☐	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.4	

3 *1/4" = 1'-0"*
Ext. Finish Scedule

Roofing Schedule

"SLOPE"	EDPM	Standing Seam	Parapet	Notes
~~Dual~~	~~☐ A4.2.2~~	~~☐ A4.0.2~~	~~N/A~~	
Mono	~~☐ A4.2.1~~	☒ A4.0.1	~~☐ A4.4.1~~	

2 *1/4" = 1'-0"*
Roofing Scedule

HVAC Unit

Keynote	Type	Type Comments
☒ M1	Wall Mounted HVAC	See (M)-Sheets
☐ M2	Roof Mounted HVAV	See (M)-Sheets

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

3/3/2016 8:59:49 PM

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
No. S3580
03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SL FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS PF SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
24x40 FLOOR PLAN

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A1.0

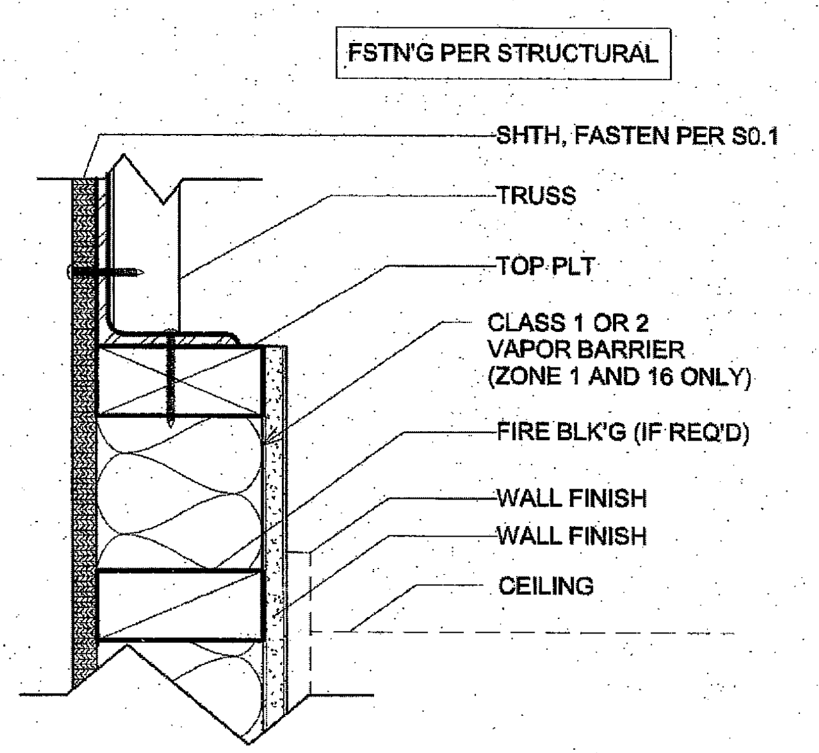
SHEET OF SHEETS

Proprietary Property of Class Leasing

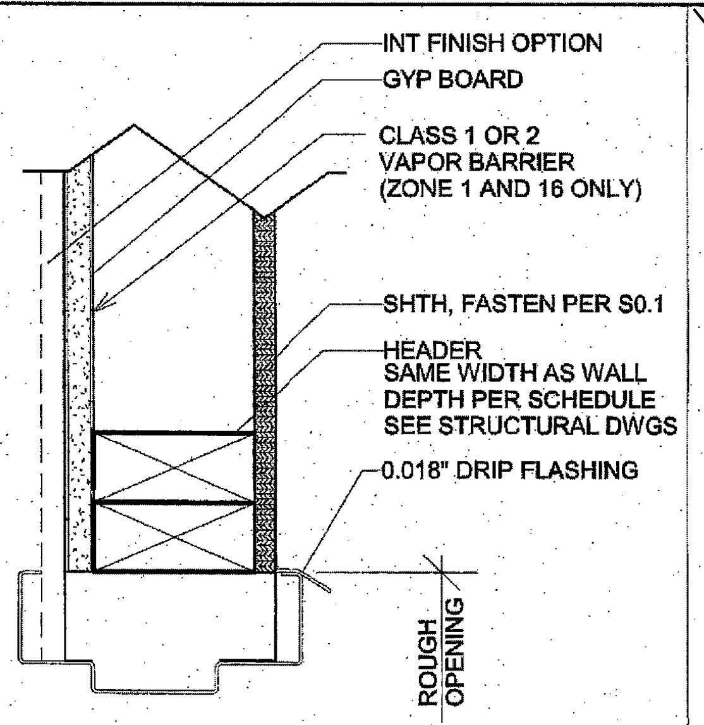
Proprietary Property of Class Leasing

Proprietary Property of Class Leasing

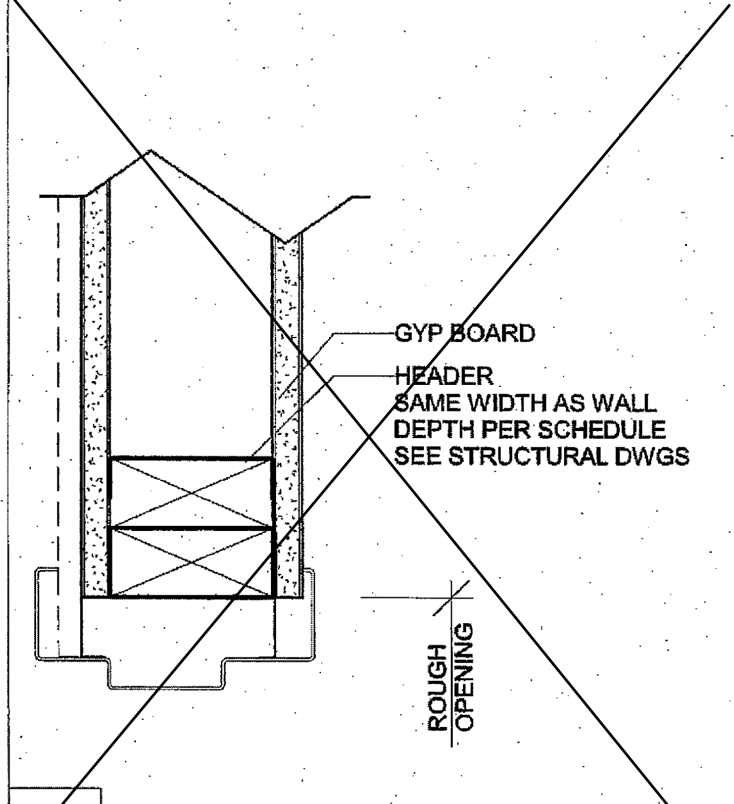
ADDENDUM



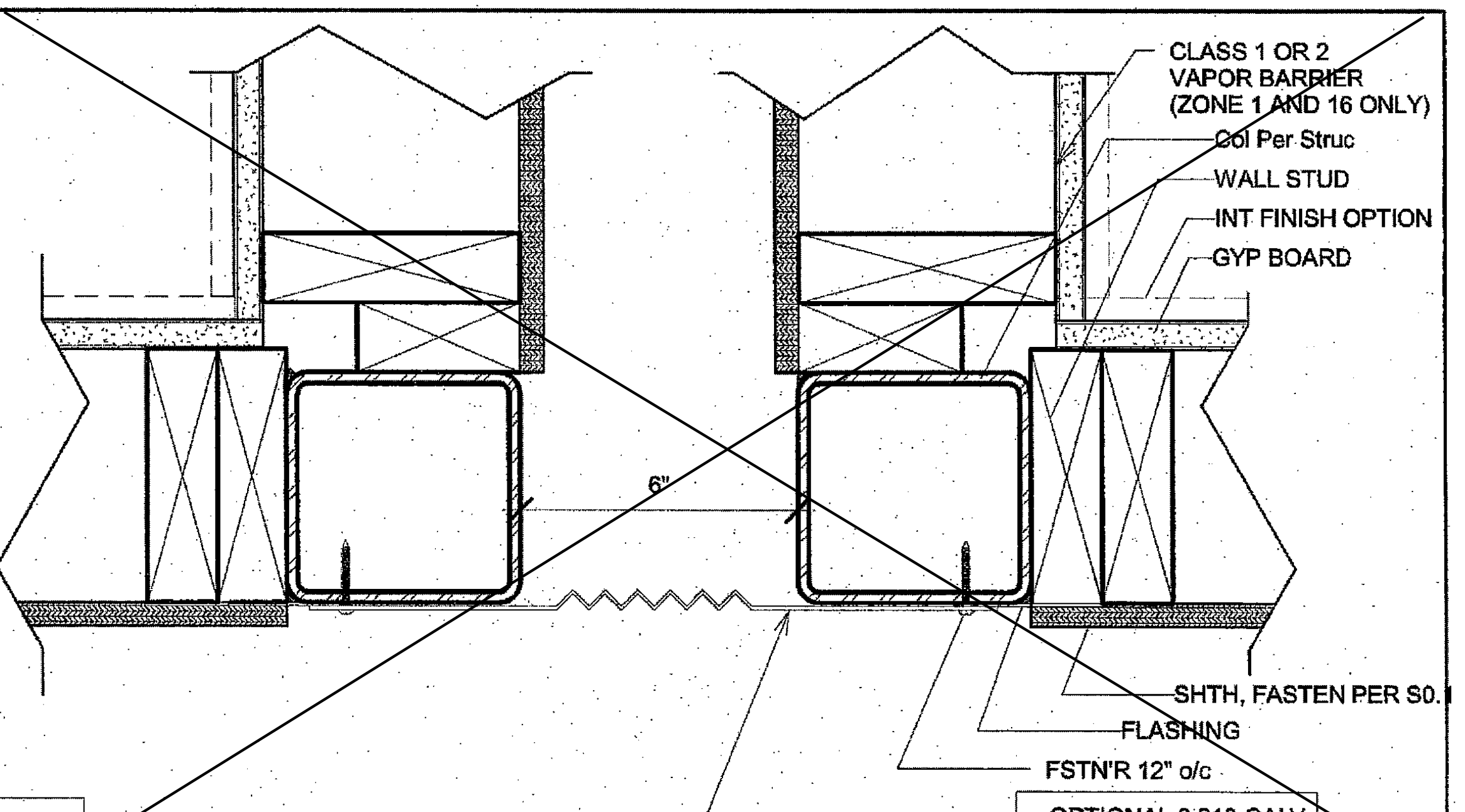
17 3" = 1'-0"
Section - Top Plate Shtg Finish


INT FINISH OPTION
GYP BOARD
CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)
SHTH, FASTEN PER S0.1
HEADER SAME WIDTH AS WALL DEPTH PER SCHEDULE SEE STRUCTURAL DWGS
0.018" DRIP FLASHING
ROUGH OPENING

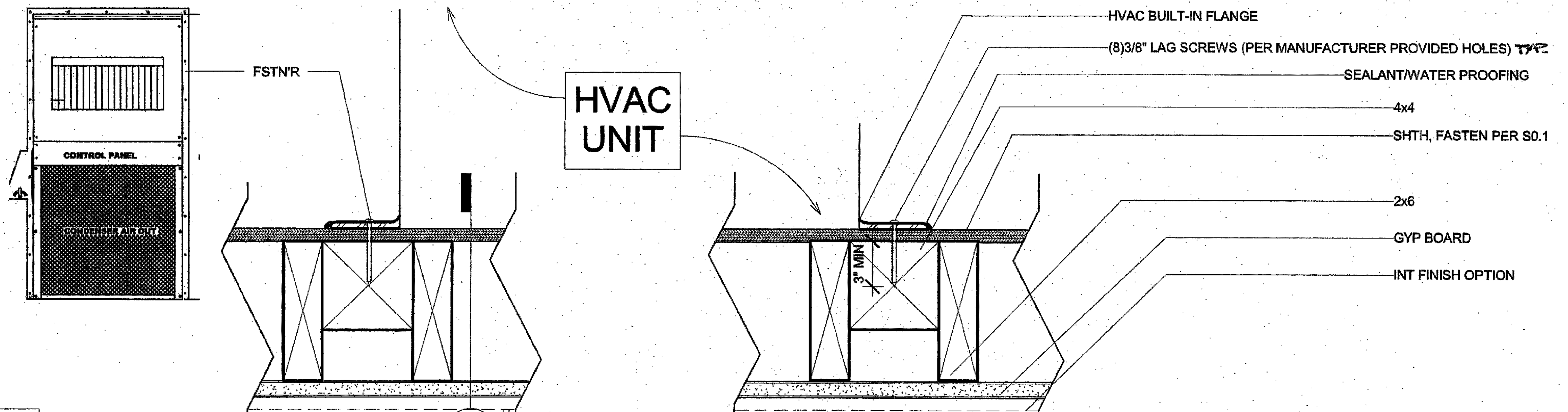
10A 3" = 1'-0"
Section - Ext Wall Hdr Door Shtg Finish


GYP BOARD
HEADER SAME WIDTH AS WALL DEPTH PER SCHEDULE SEE STRUCTURAL DWGS
ROUGH OPENING

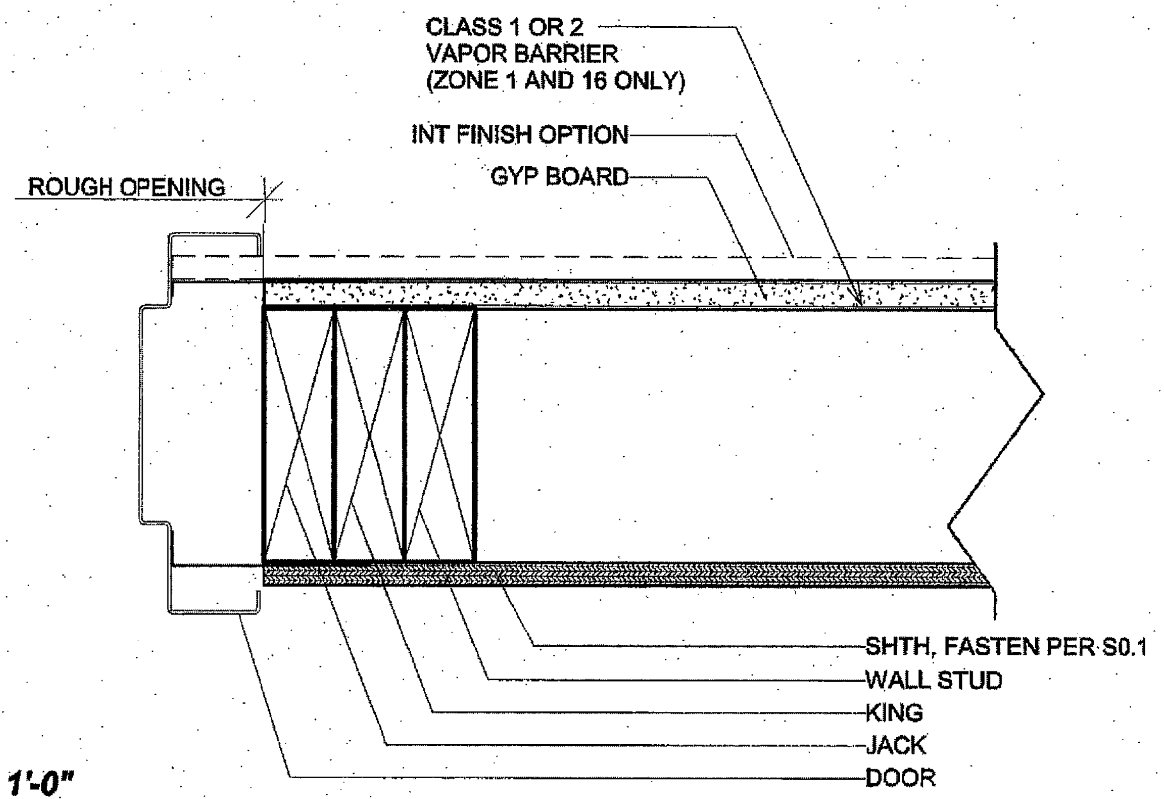
10B 3" = 1'-0"
Section - Int Wall Hdr Door Shtg Finish



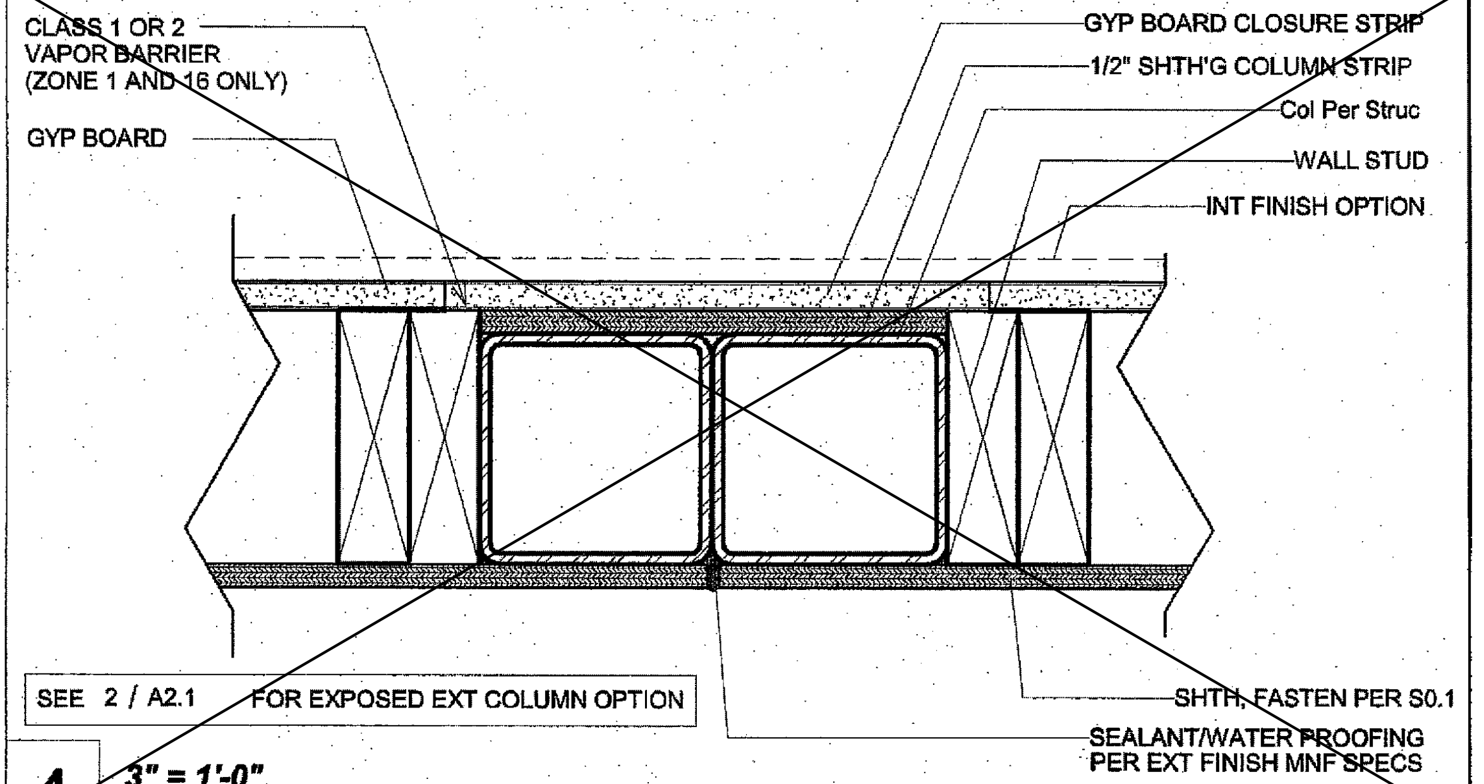
5 3" = 1'-0"
Plan - Mateline (6" Sep.) Shtg Finish



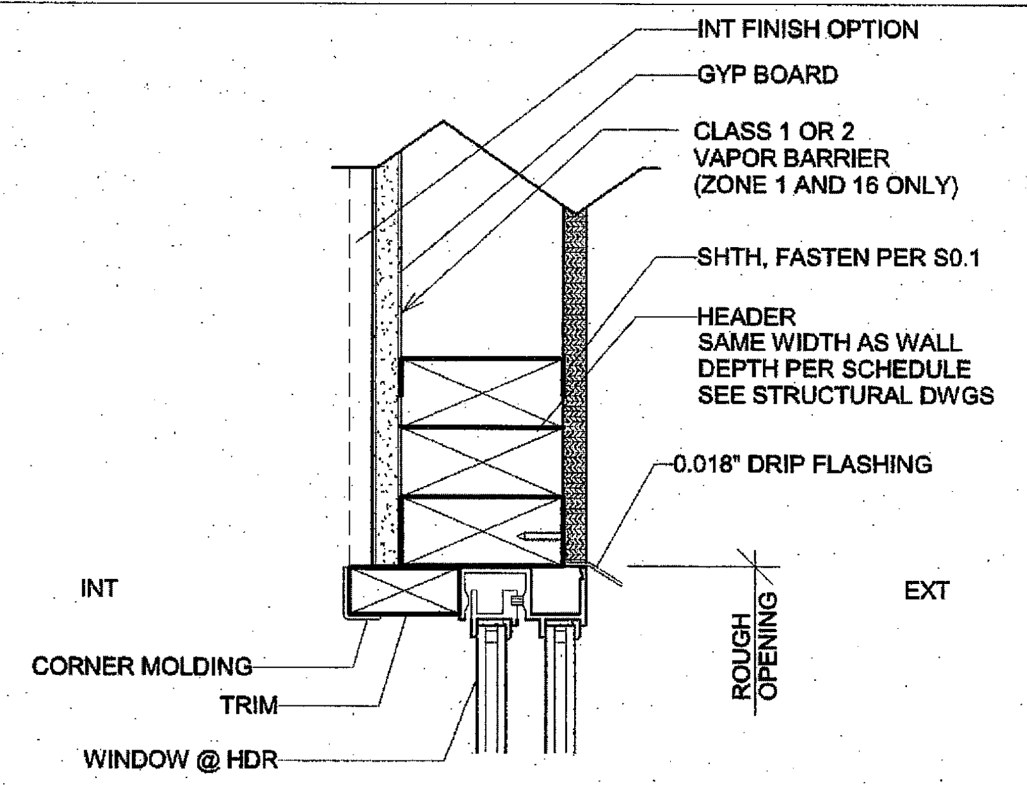
16 3" = 1'-0"
Plan - HVAC Unit Shtg Finish



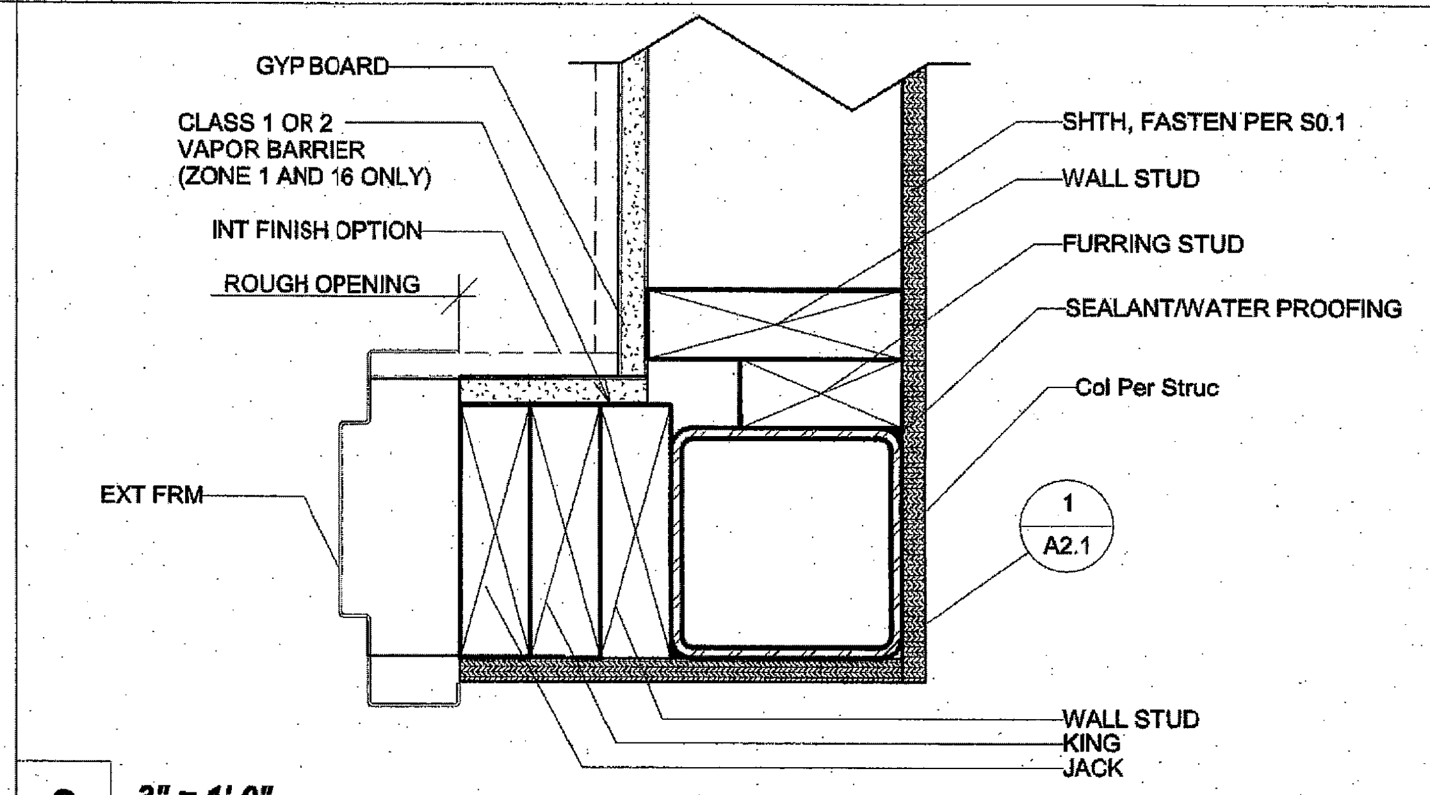
9 3" = 1'-0"
Plan - Exterior Door Jamb Shtg Finish


CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)
GYP BOARD
GYP BOARD CLOSURE STRIP
1/2" SHTH'G COLUMN STRIP
Col Per Struc
WALL STUD
INT FINISH OPTION
SEE 2 / A2.1 FOR EXPOSED EXT COLUMN OPTION
SHTH, FASTEN PER S0.1
SEALANT/WATER PROOFING PER EXT FINISH MNF SPECS

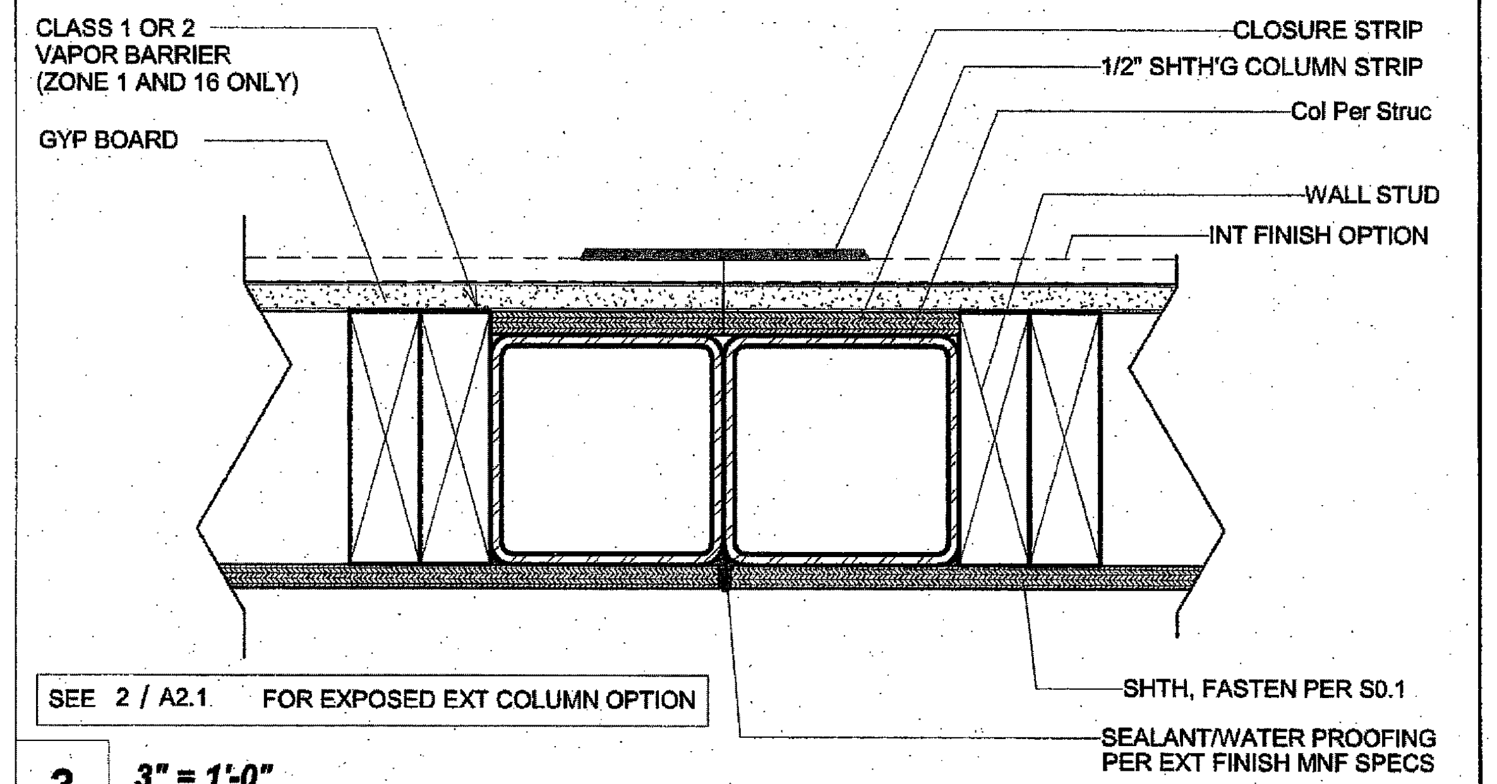
4 3" = 1'-0"
Plan - Mateline (Matline Closure Option) Shtg Finish



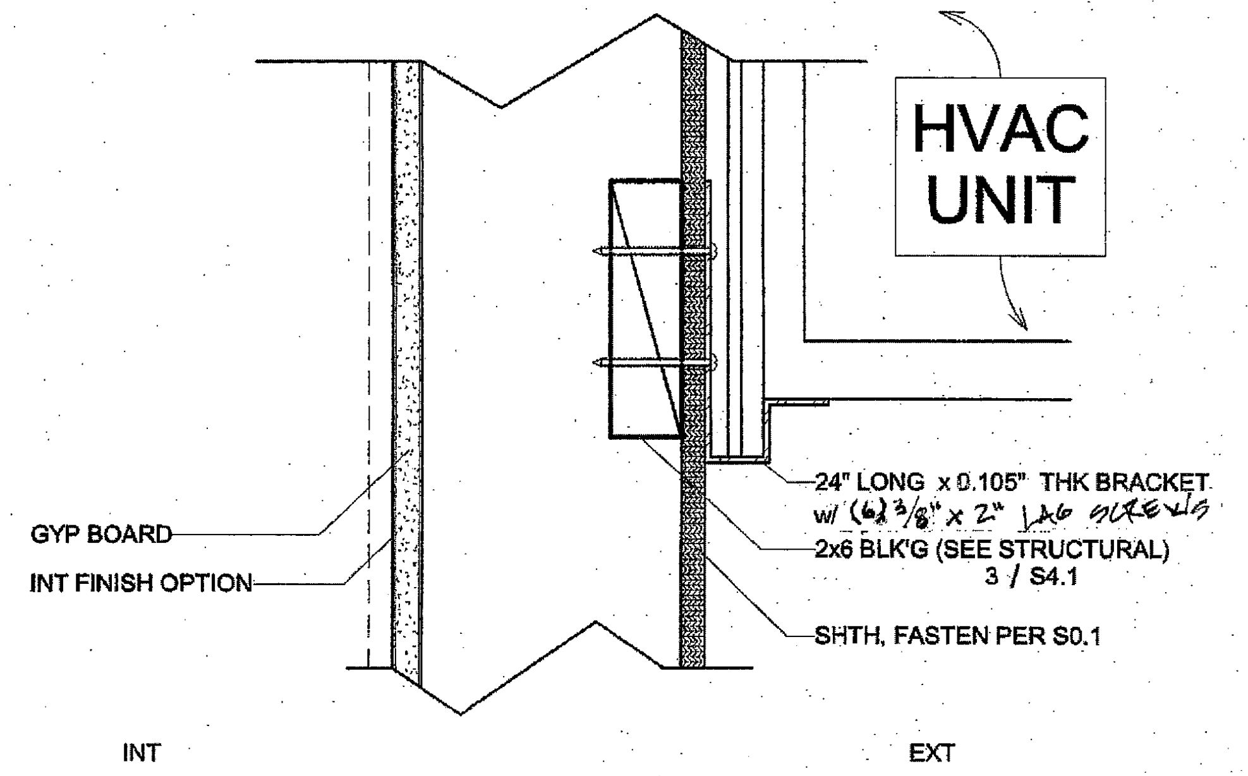
13 3" = 1'-0"
Section - Ext Wall Header @ Window Shtg Finish



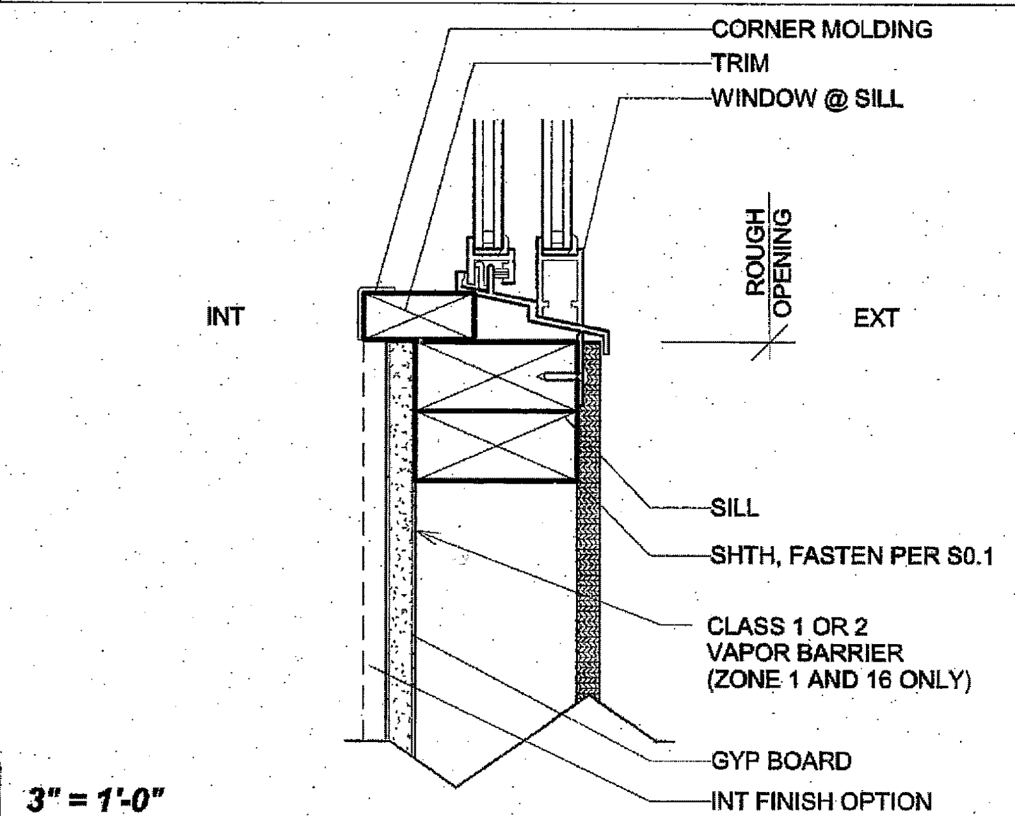
8 3" = 1'-0"
Plan - Exterior Door Jamb @ Wall Corner Shtg Finish


CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)
GYP BOARD
CLOSURE STRIP
1/2" SHTH'G COLUMN STRIP
Col Per Struc
WALL STUD
INT FINISH OPTION
SEE 2 / A2.1 FOR EXPOSED EXT COLUMN OPTION
SHTH, FASTEN PER S0.1
SEALANT/WATER PROOFING PER EXT FINISH MNF SPECS

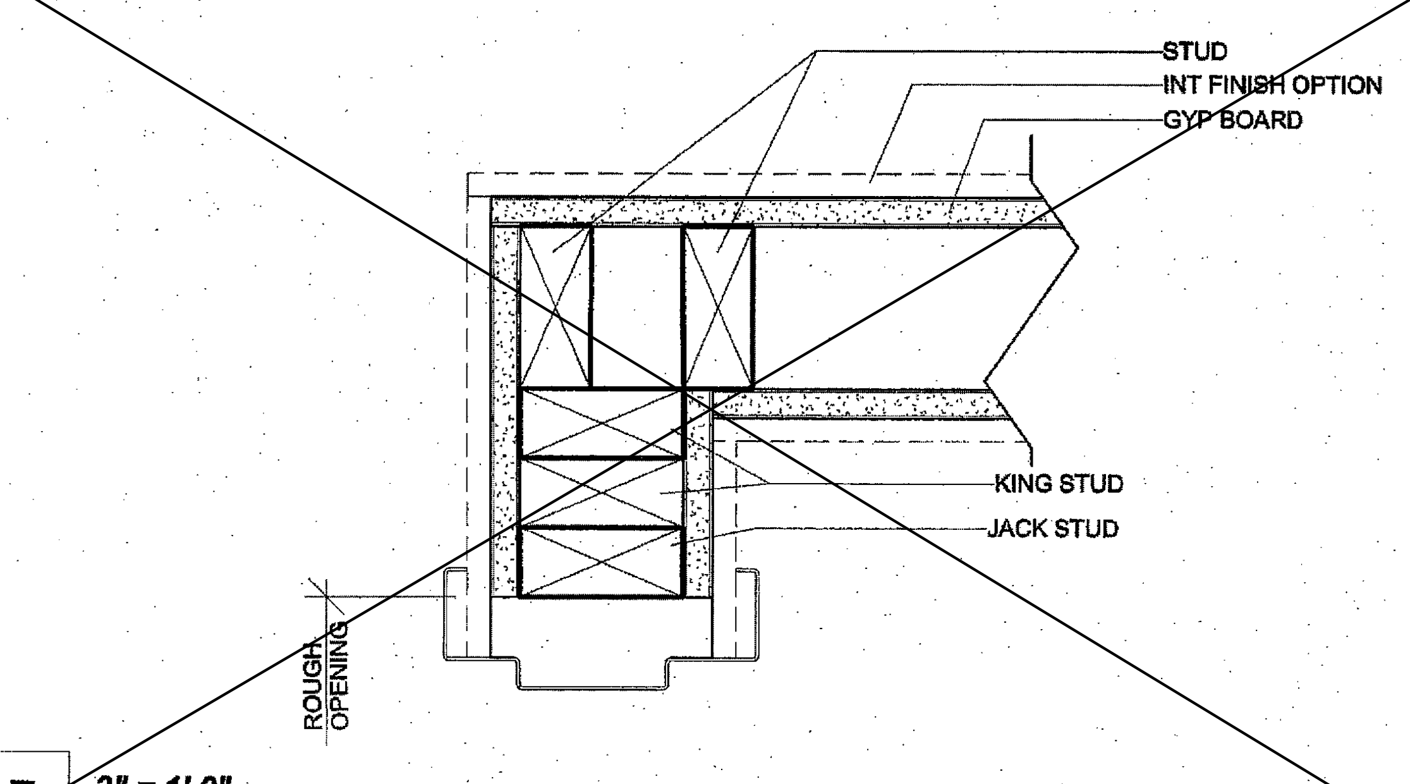
3 3" = 1'-0"
Plan - Mateline (Int Closure Strip) Shtg Finish


HVAC UNIT
24" LONG x 0.105" THK BRACKET w/ (6) 3/8" x 2" LAG SCREWS
2x6 BLK'G (SEE STRUCTURAL) 3 / S4.1
SHTH, FASTEN PER S0.1
GYP BOARD
INT FINISH OPTION
INT
EXT

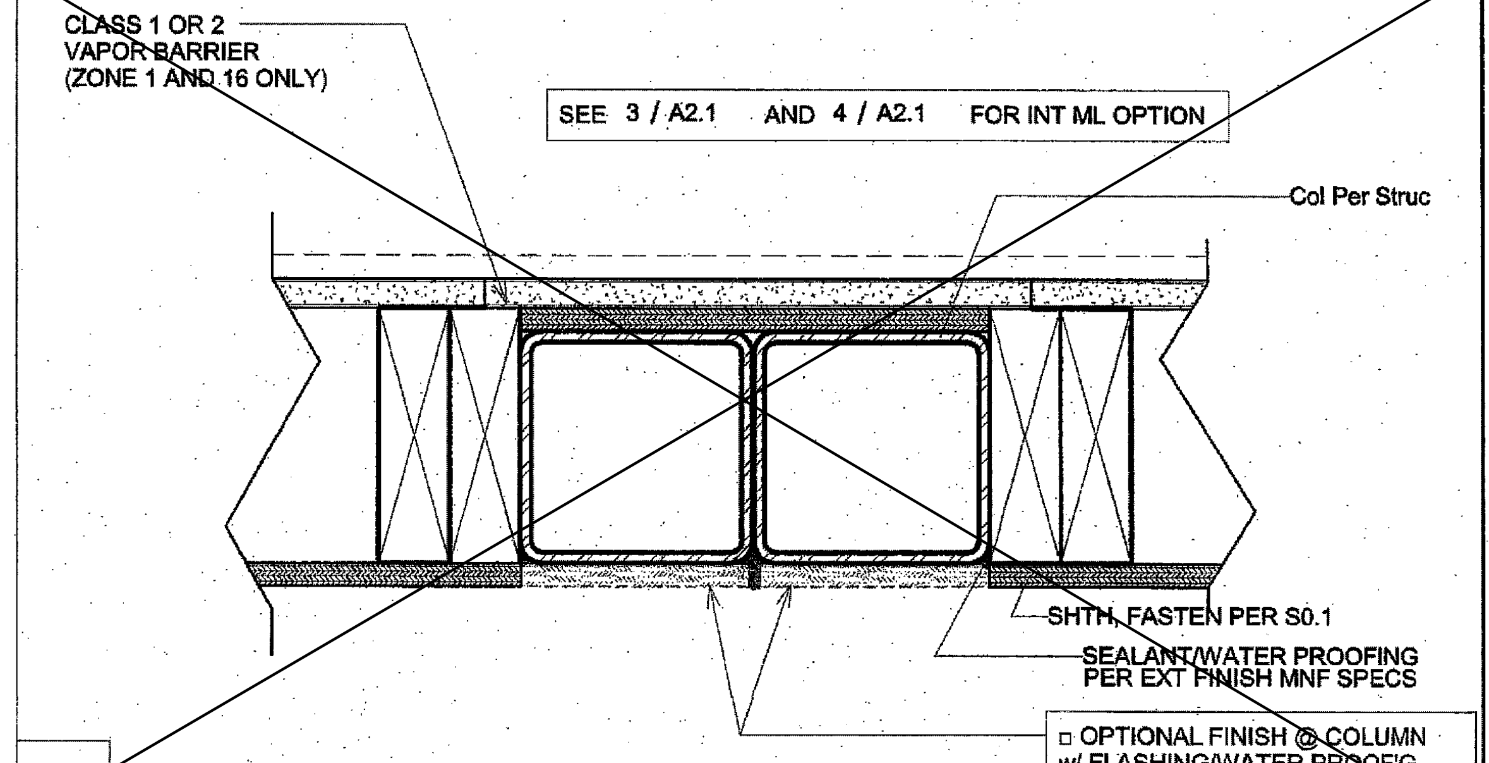
14 3" = 1'-0"
Section - Ext Wall @ HVAC Shtg Finish



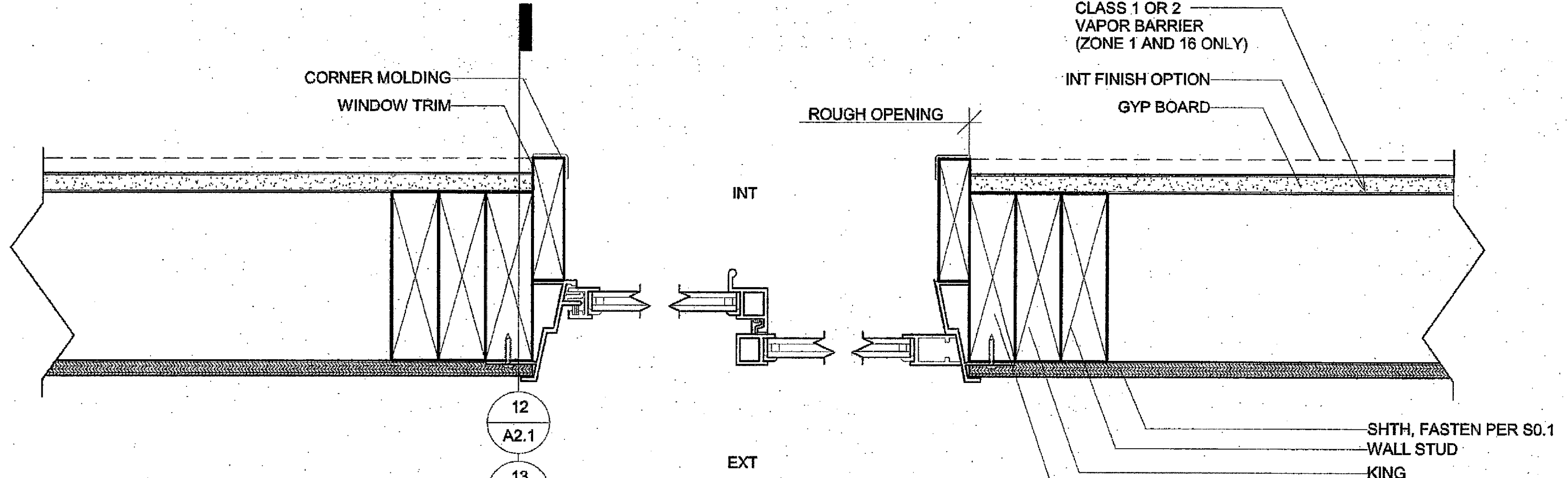
12 3" = 1'-0"
Section - Ext Wall Sill @ Window Shtg Finish



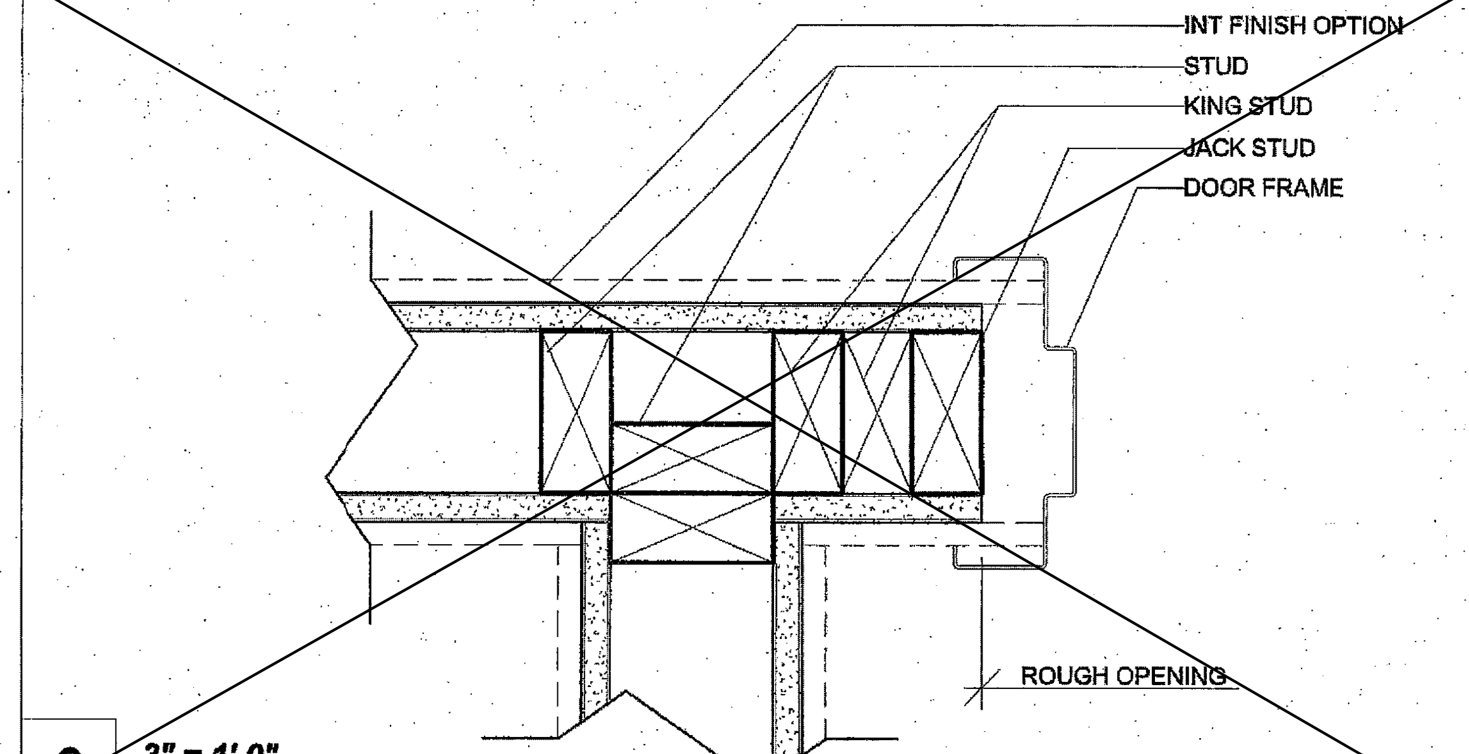
7 3" = 1'-0"
Plan - Interior Door Jamb @ Wall Corner Shtg Finish


CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)
SEE 3 / A2.1 AND 4 / A2.1 FOR INT ML OPTION
Col Per Struc
SHTH, FASTEN PER S0.1
SEALANT/WATER PROOFING PER EXT FINISH MNF SPECS
☐ OPTIONAL FINISH @ COLUMN w/ FLASHING/WATER PROOF'G @ ML PER EXT FINISH MNF SPECS

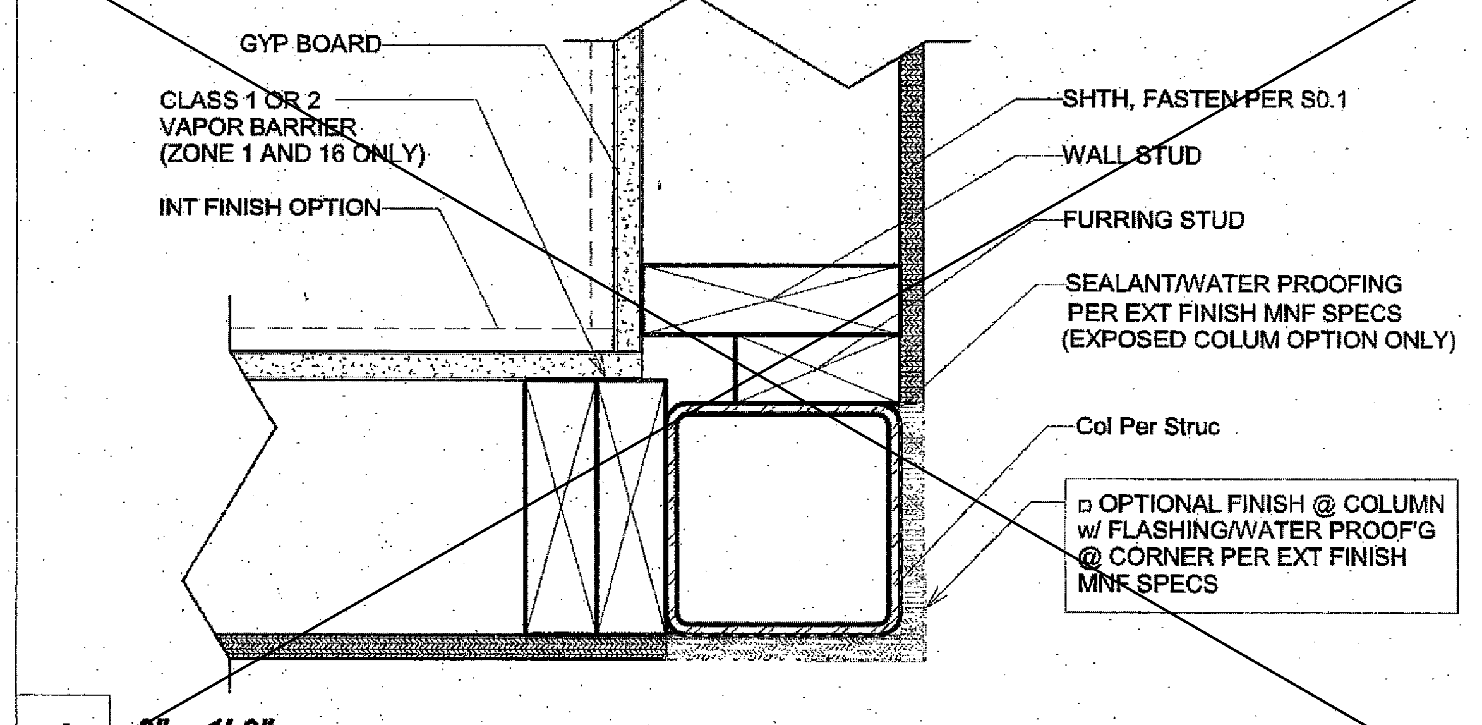
2 3" = 1'-0"
Plan - Mateline (ext exposed column mateline) Shtg Finish



11 3" = 1'-0"
Plan - Exterior Window Jamb Shtg Finish



6 3" = 1'-0"
Plan - Interior Door Jamb @ Wall Intersection Shtg Finish


GYP BOARD
CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)
INT FINISH OPTION
SHTH, FASTEN PER S0.1
WALL STUD
FURRING STUD
SEALANT/WATER PROOFING PER EXT FINISH MNF SPECS (EXPOSED COLUM OPTION ONLY)
Col Per Struc
☐ OPTIONAL FINISH @ COLUMN w/ FLASHING/WATER PROOF'G @ CORNER PER EXT FINISH MNF SPECS

1 3" = 1'-0"
Plan - Column @ Corner (ext exposed column option)

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
No. S3580
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS RF SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
ARCHITECTURAL
DETAILS
(WOOD FRAMING
SHTG FINISH)

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

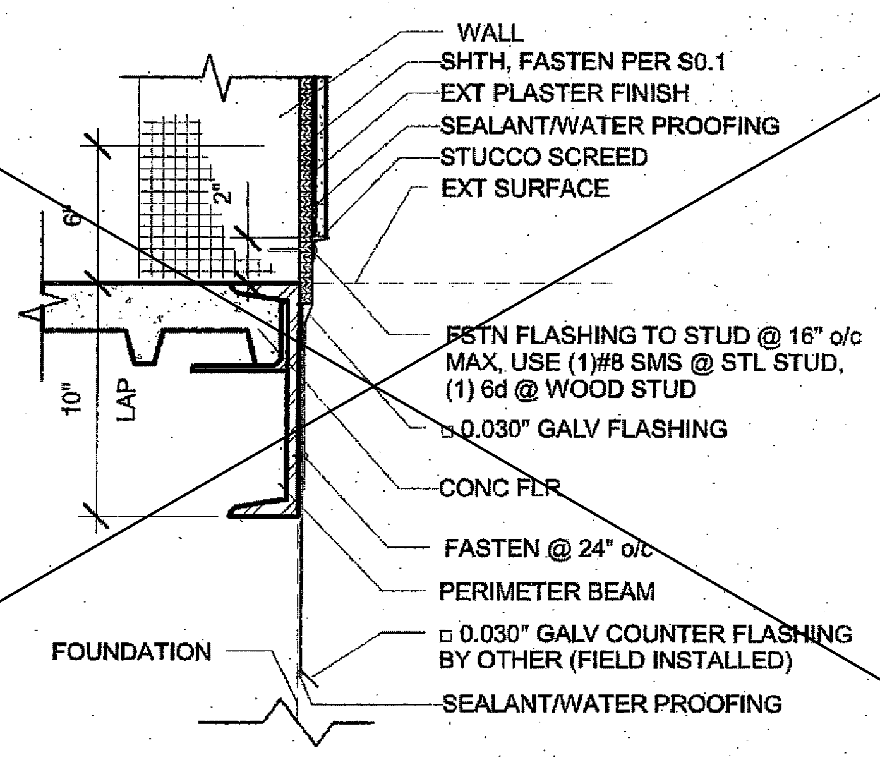
CHECKED BY
JA/RT

DATE
2016/03/02

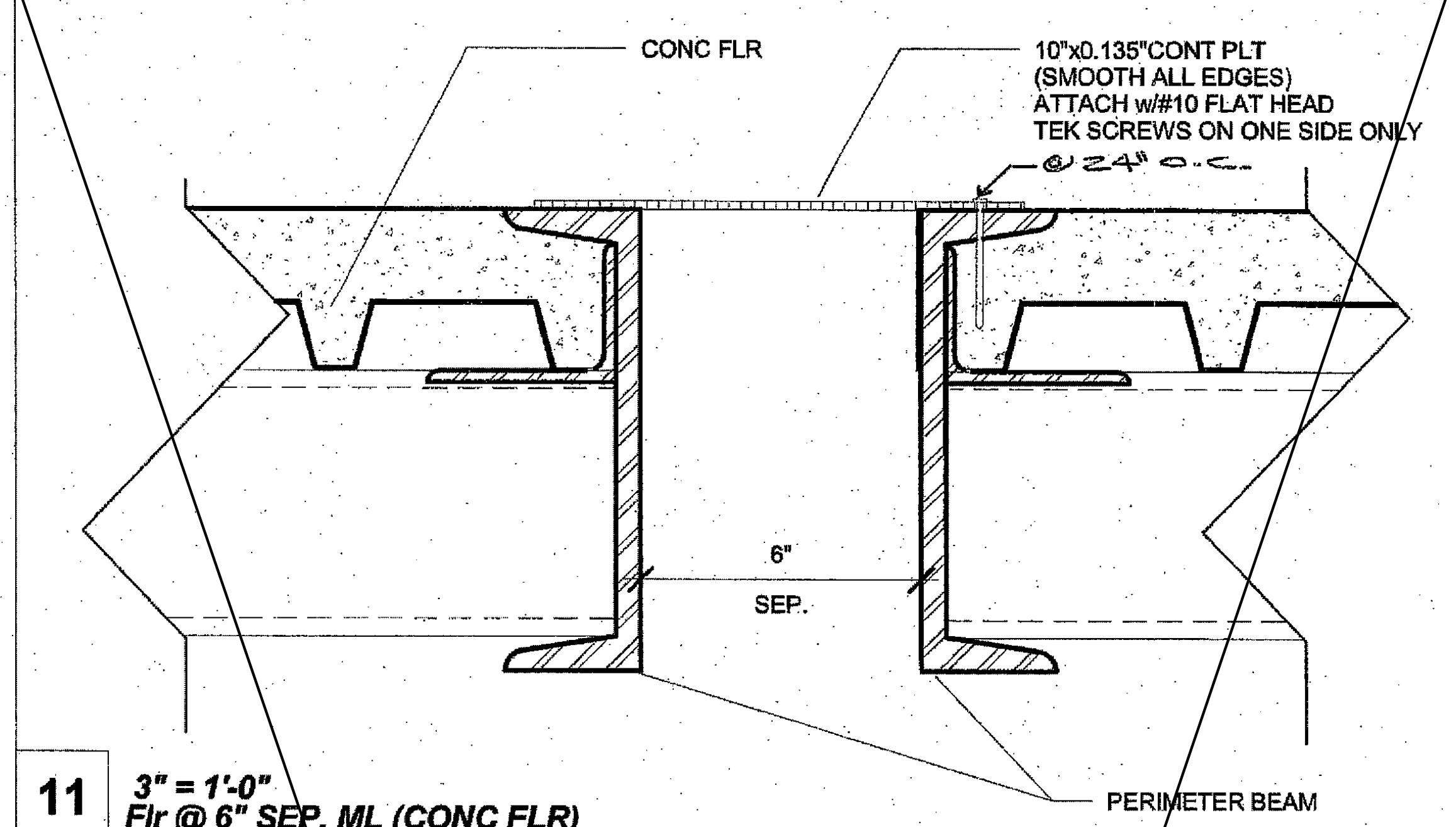
SHEET NO.
A2.1

SHEET OF SHEETS

ADDENDUM

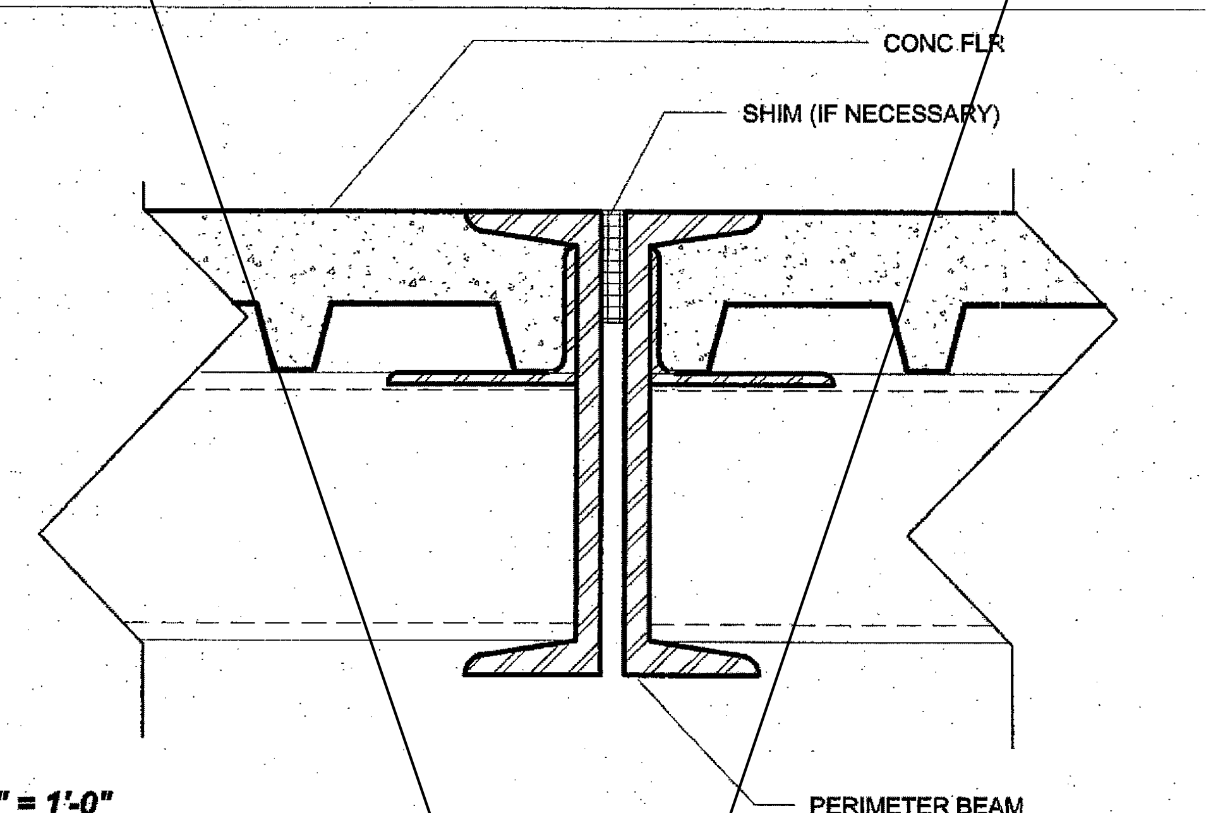


12 *1 1/2" = 1'-0"*
Typ Skirt @ Fnd PLSTR FIN (CONC FLR)

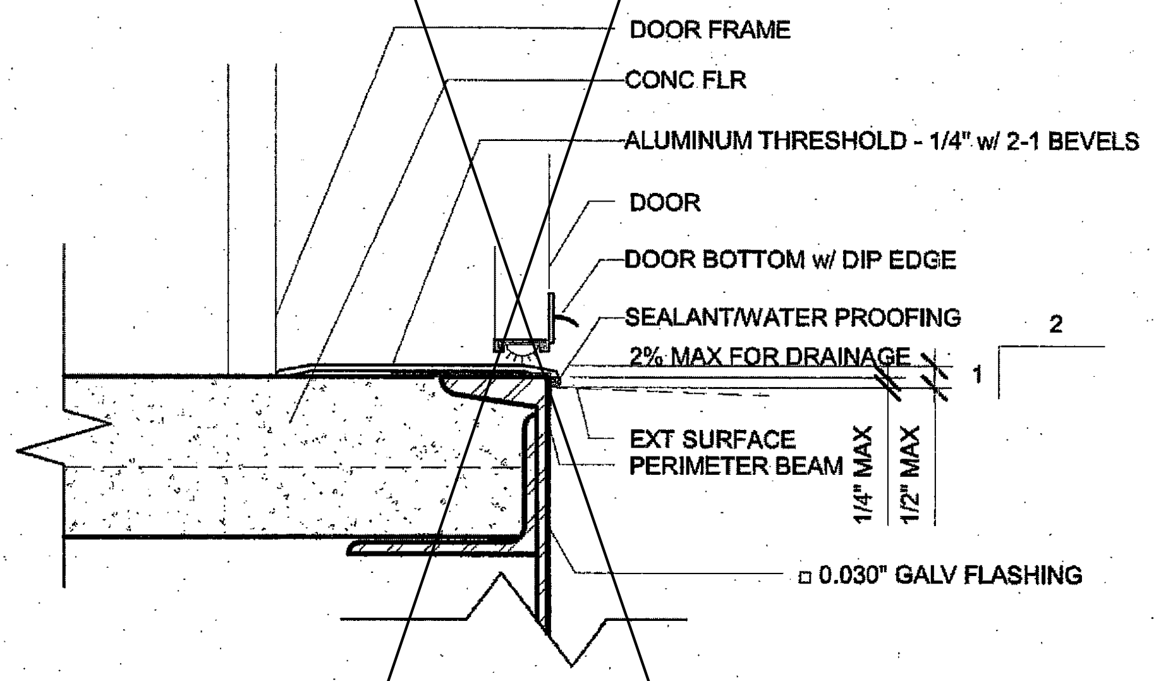


CONC FLR
10"x0.135"CONT PLT (SMOOTH ALL EDGES) ATTACH w/#10 FLAT HEAD TEK SCREWS ON ONE SIDE ONLY
@ 24" o.c.
6" SEP.
PERIMETER BEAM

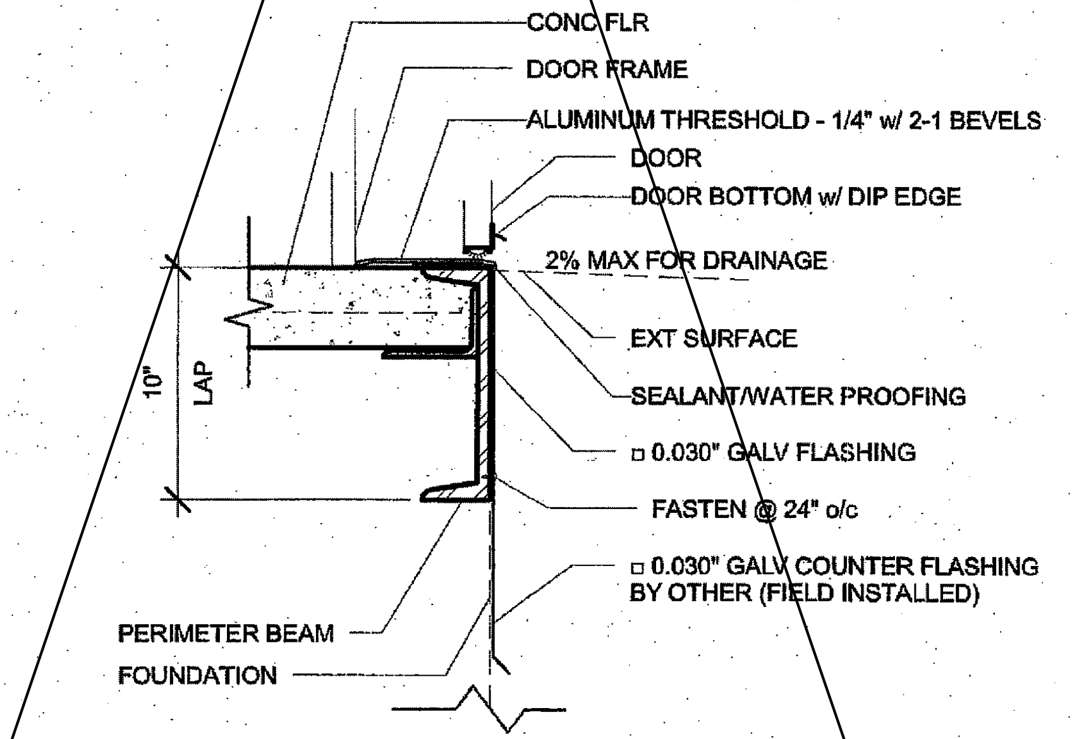
11 *3" = 1'-0"*
Flr @ 6" SEP. ML (CONC FLR)



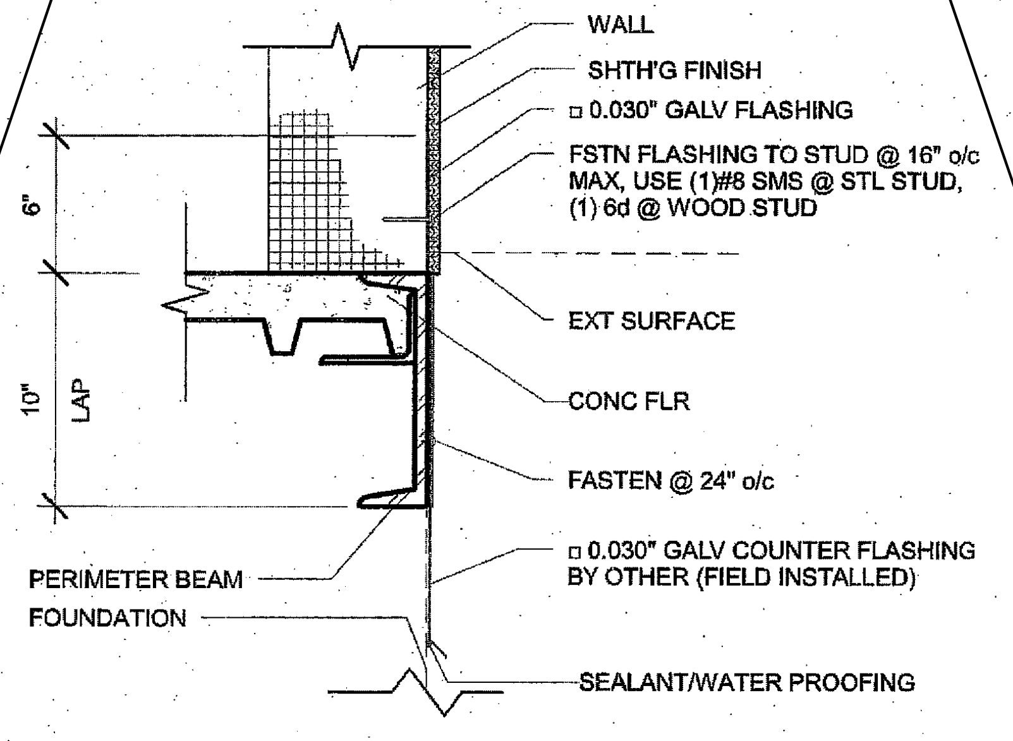
10 *3" = 1'-0"*
Flr @ ML (CONC FLR)



9 *3" = 1'-0"*
Typ Sill Plt @ Threshold (CONC FLR)

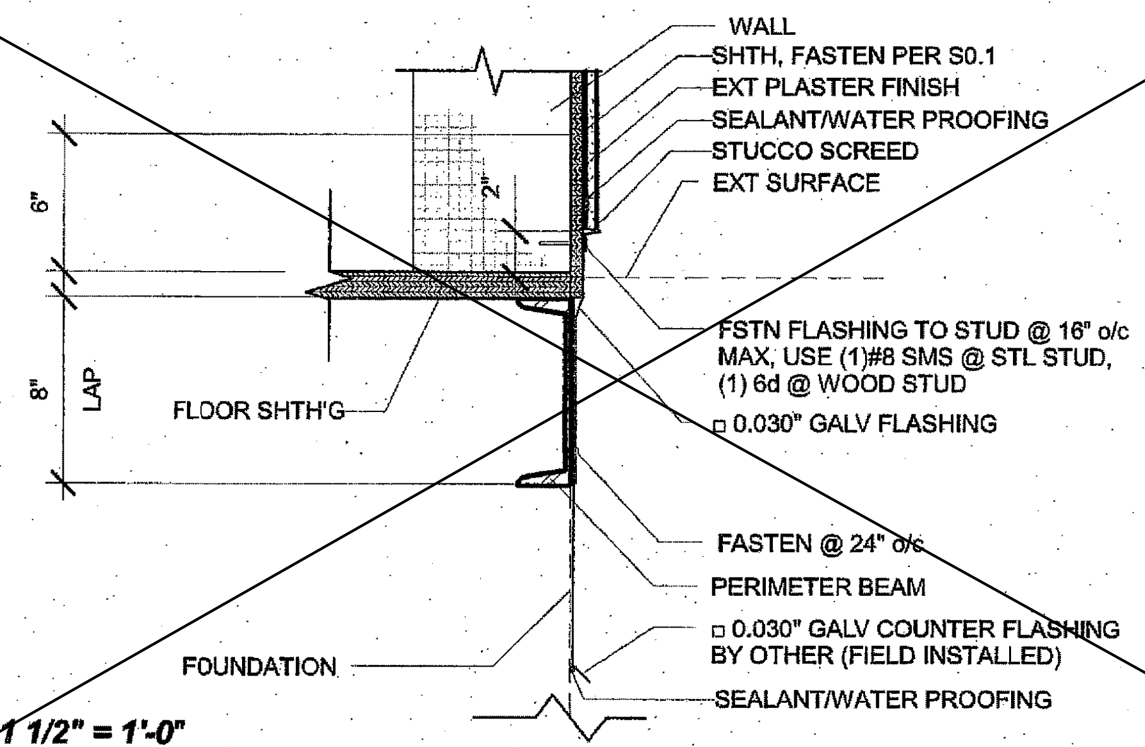


8 *1 1/2" = 1'-0"*
Threshold @ Fnd (CONC FLR)

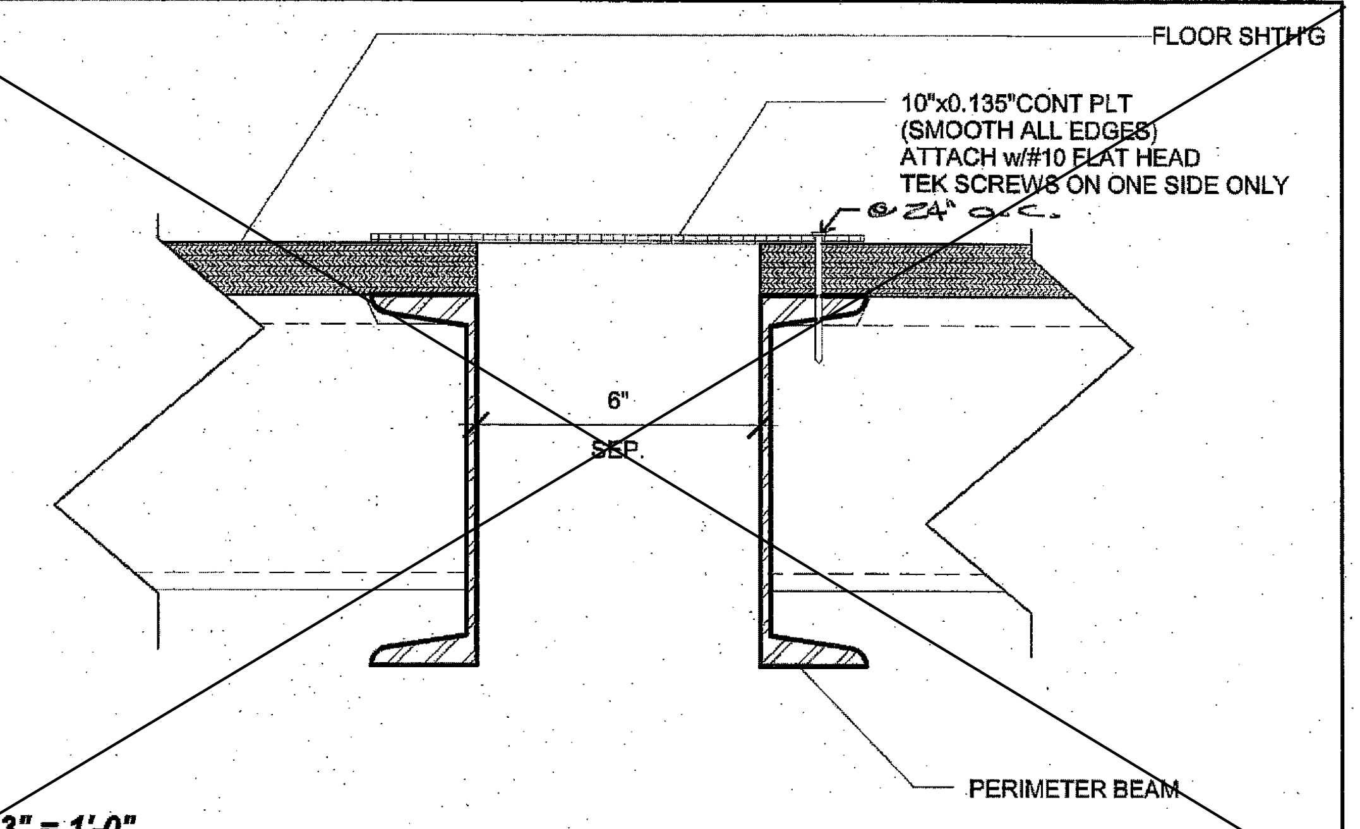


WALL
SHTH'G FINISH
□ 0.030" GALV FLASHING
FSTN FLASHING TO STUD @ 16" o/c MAX, USE (1)#8 SMS @ STL STUD, (1) 6d @ WOOD STUD
6"
10"
LAP
EXT SURFACE
CONC FLR
FASTEN @ 24" o/c
□ 0.030" GALV COUNTER FLASHING BY OTHER (FIELD INSTALLED)
PERIMETER BEAM
FOUNDATION
SEALANT/WATER PROOFING

7 *1 1/2" = 1'-0"*
Typ Skirt @ Fnd SHTH'G FIN (CONC FLR)

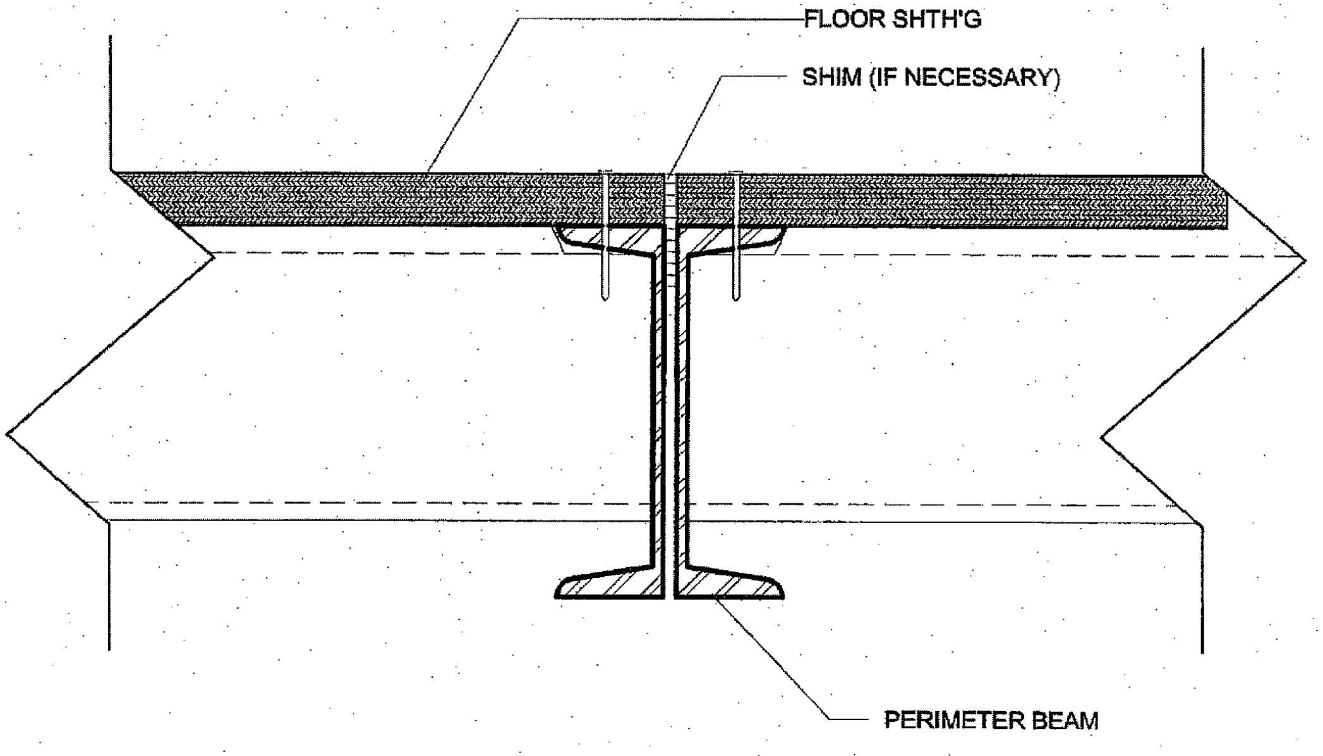


6 *1 1/2" = 1'-0"*
Typ Skirt @ Fnd PLSTR FIN (WD FLR)

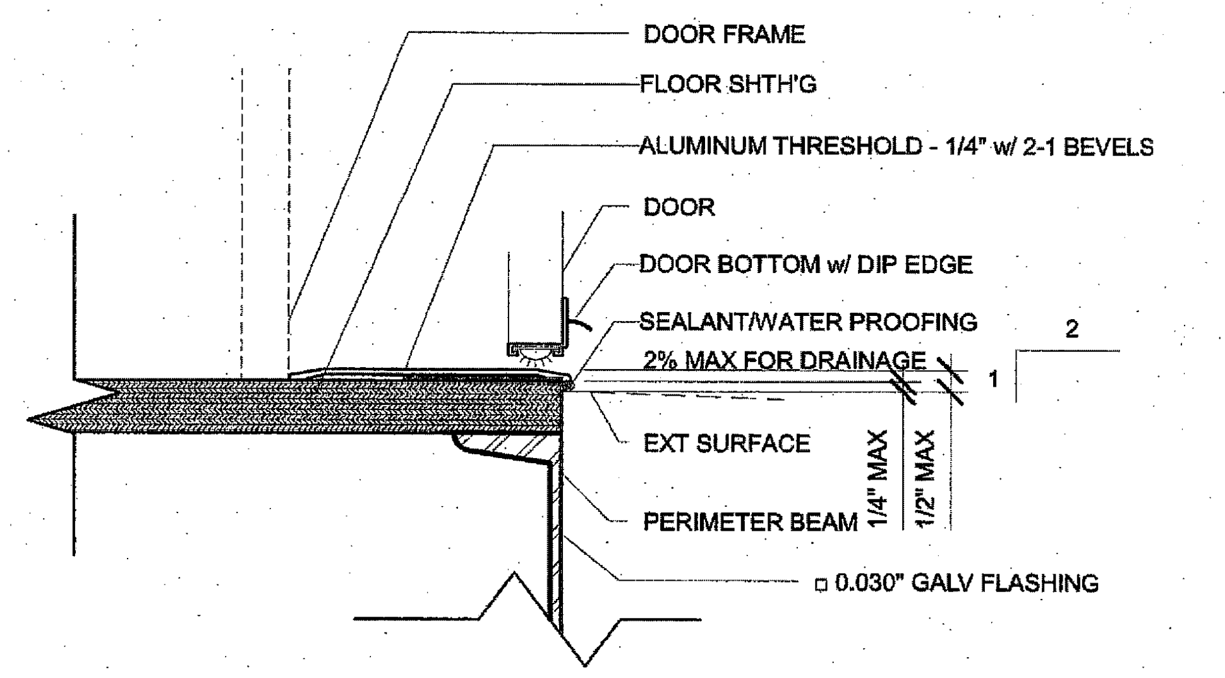


FLOOR SHTH'G
10"x0.135"CONT PLT (SMOOTH ALL EDGES) ATTACH w/#10 FLAT HEAD TEK SCREWS ON ONE SIDE ONLY
@ 24" o.c.
6" SEP.
PERIMETER BEAM

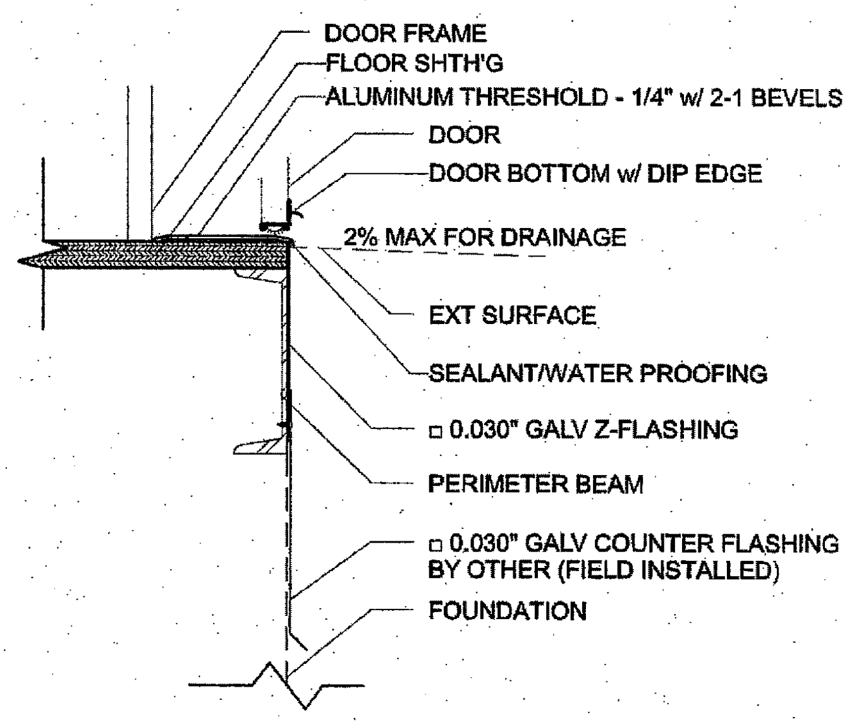
5 *3" = 1'-0"*
Flr @ 6" SEP. ML (WD FLR)



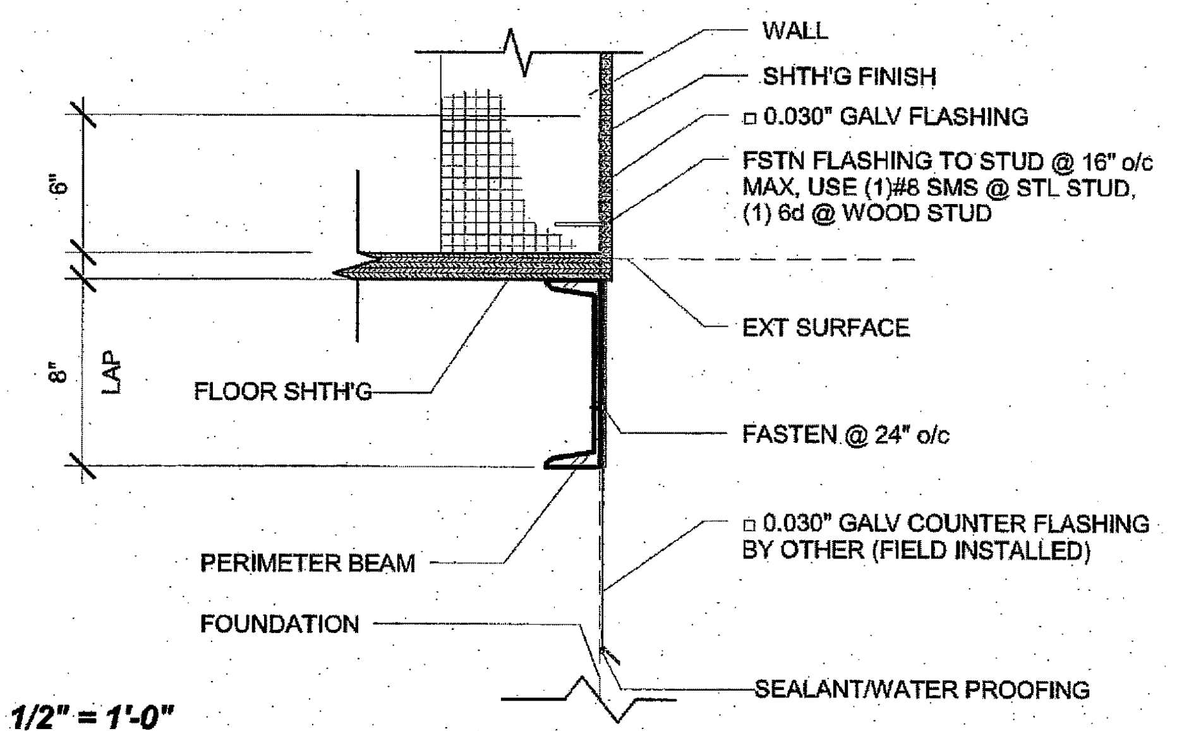
4 *3" = 1'-0"*
Flr @ ML (WD FLR)



3 *3" = 1'-0"*
Typ Sill Plt @ Threshold (WD FLR)



2 *1 1/2" = 1'-0"*
Threshold @ Fnd (WD FLR)



WALL
SHTH'G FINISH
□ 0.030" GALV FLASHING
FSTN FLASHING TO STUD @ 16" o/c MAX, USE (1)#8 SMS @ STL STUD, (1) 6d @ WOOD STUD
6"
8"
LAP
FLOOR SHTH'G
EXT SURFACE
FASTEN @ 24" o/c
□ 0.030" GALV COUNTER FLASHING BY OTHER (FIELD INSTALLED)
PERIMETER BEAM
FOUNDATION
SEALANT/WATER PROOFING

1 *1 1/2" = 1'-0"*
Typ Skirt @ Fnd SHTH'G FIN (WD FLR)

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISH
No. S3580
STRUCTURAL
STATE OF CALIFORNIA
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS FLS — SS
DATE DEC 0 8 2016

Revision Schedule		
#	Description	Date

SHEET TITLE
ARCHITECTURAL
DETAILS
(FLOOR)

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

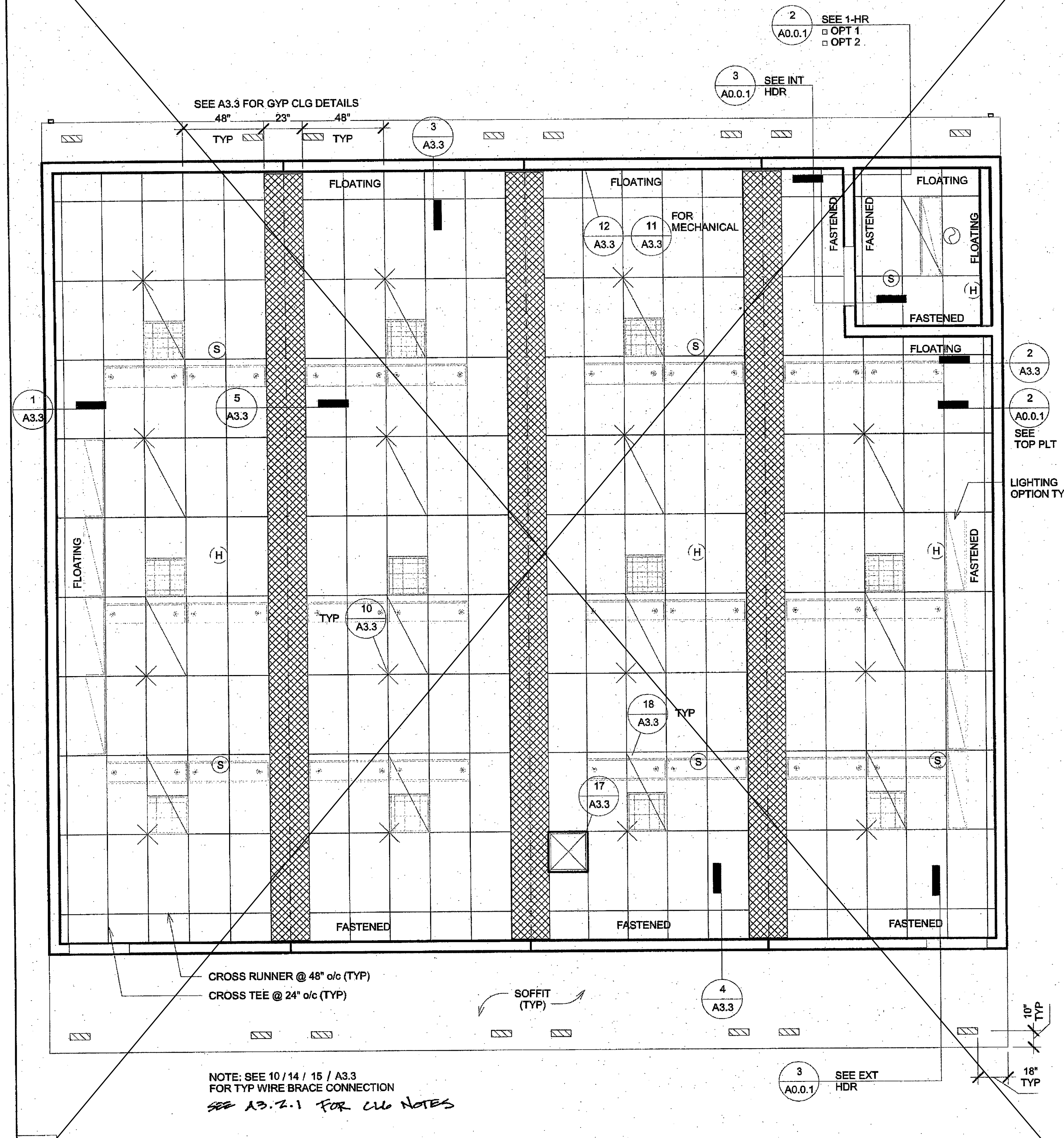
DATE
2016/03/02

SHEET NO.
A2.9

SHEET OF SHEETS

ADDENDUM

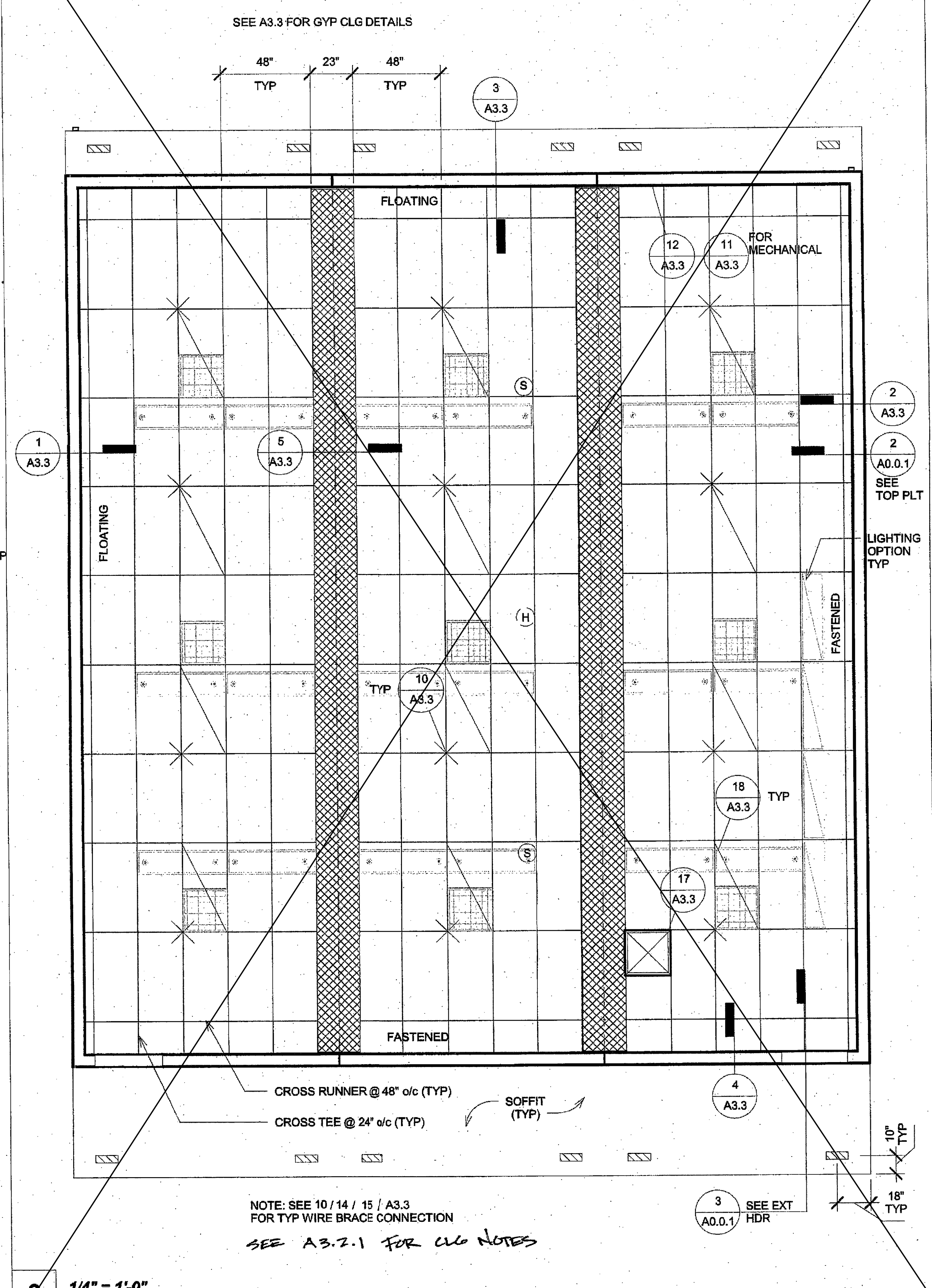
C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt
3/3/2016 9:00:23 PM



NOTE: SEE 10 / 14 / 15 / A3.3
FOR TYP WIRE BRACE CONNECTION

SEE A3.2.1 FOR CLG NOTES

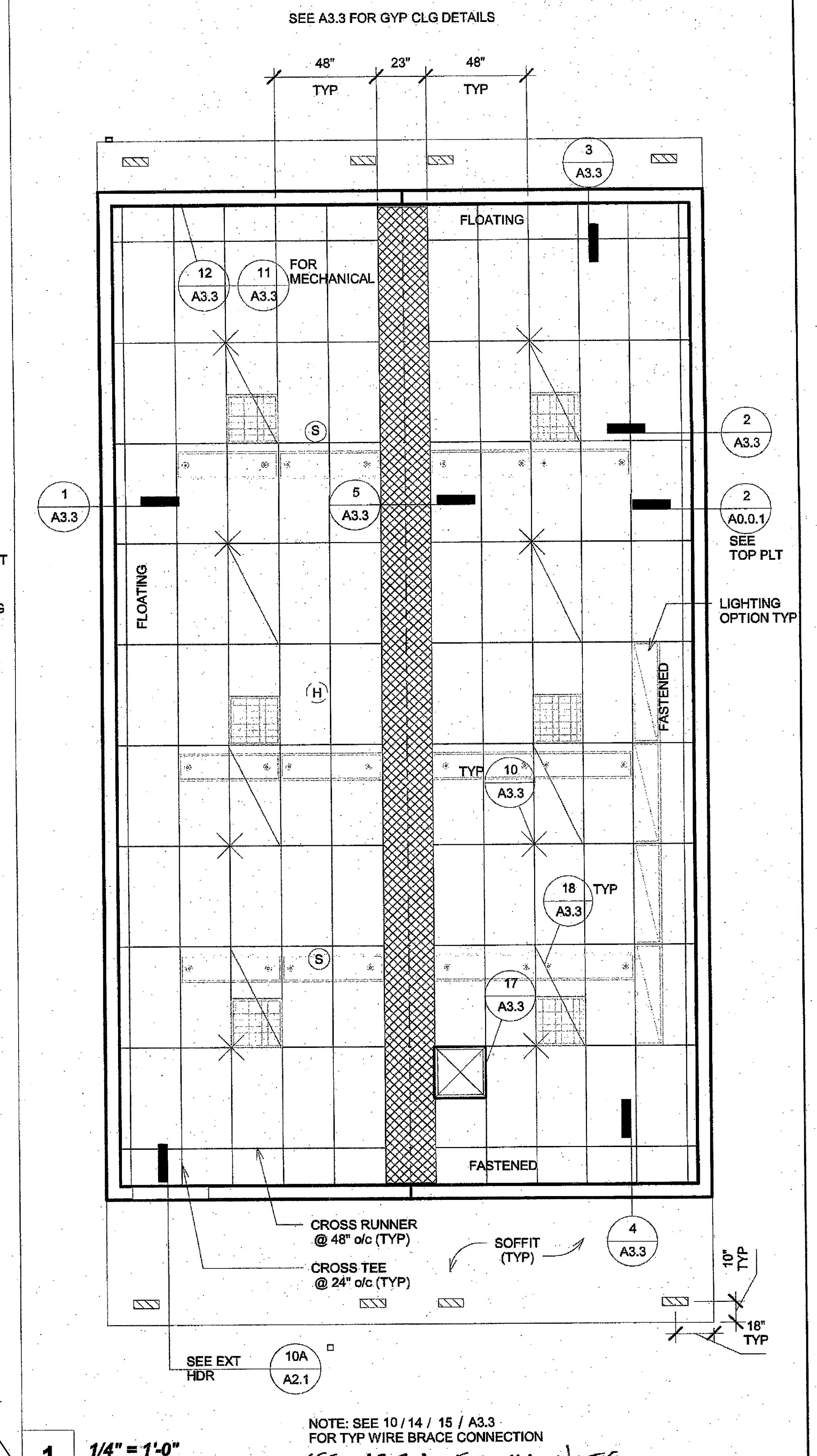
3 1/4" = 1'-0"
48x40 RCP(A)



NOTE: SEE 10 / 14 / 15 / A3.3
FOR TYP WIRE BRACE CONNECTION

SEE A3.2.1 FOR CLG NOTES

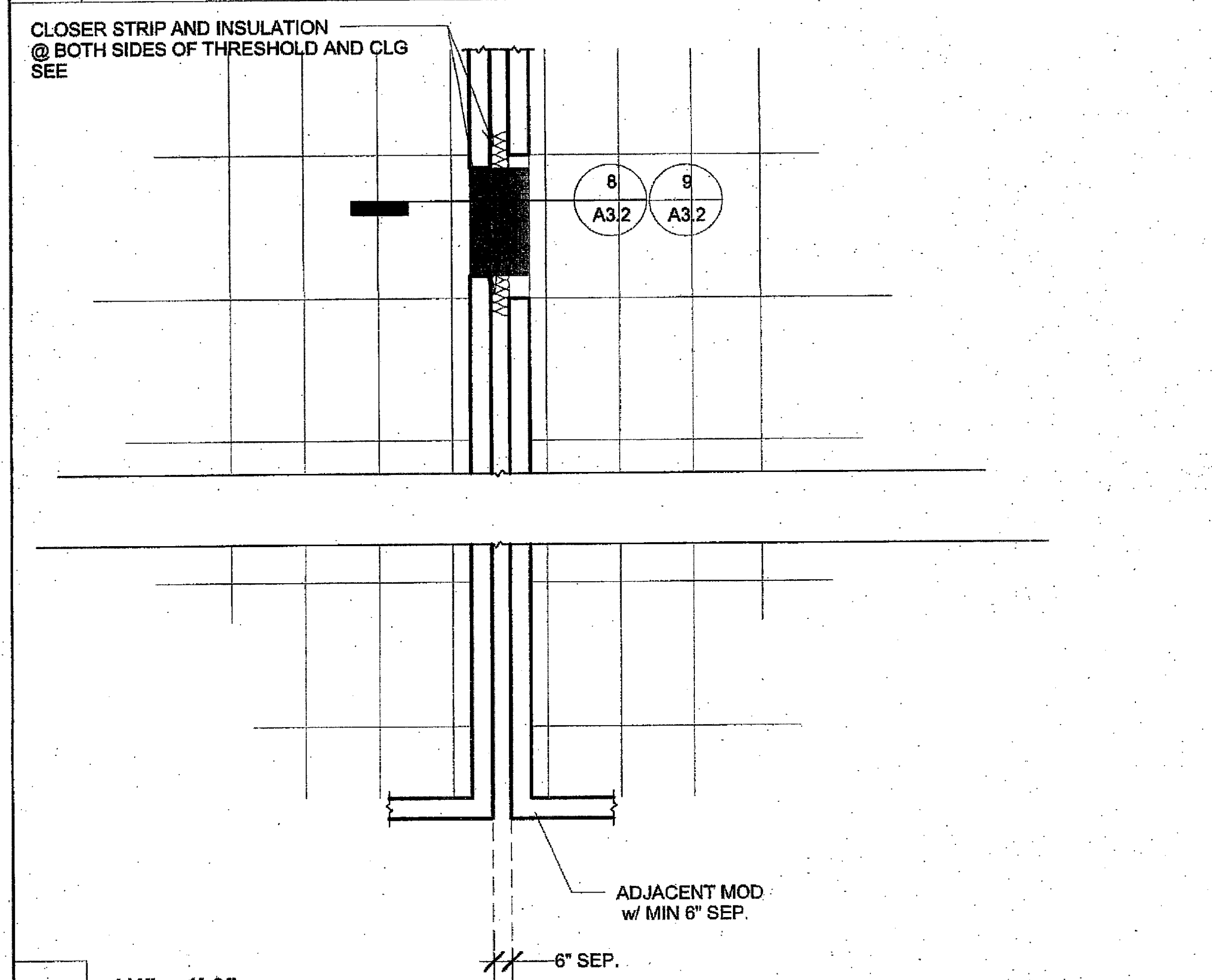
2 1/4" = 1'-0"
36x40 RCP(A)



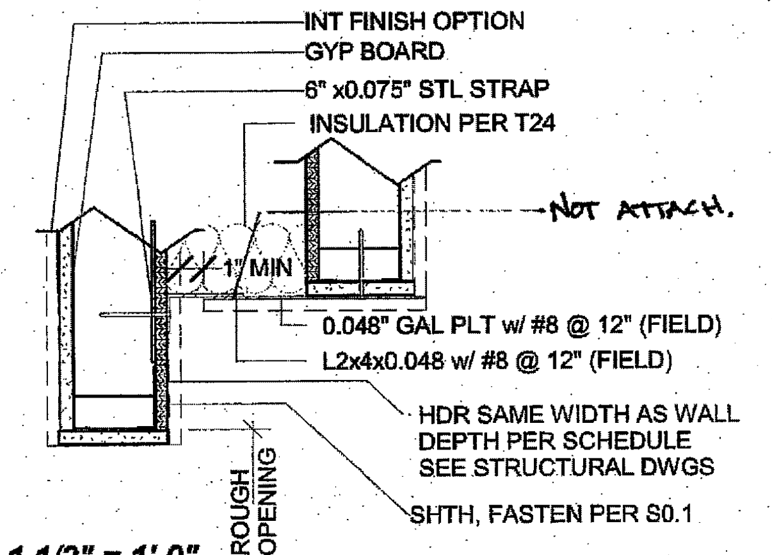
NOTE: SEE 10 / 14 / 15 / A3.3
FOR TYP WIRE BRACE CONNECTION

SEE A3.2.1 FOR CLG NOTES

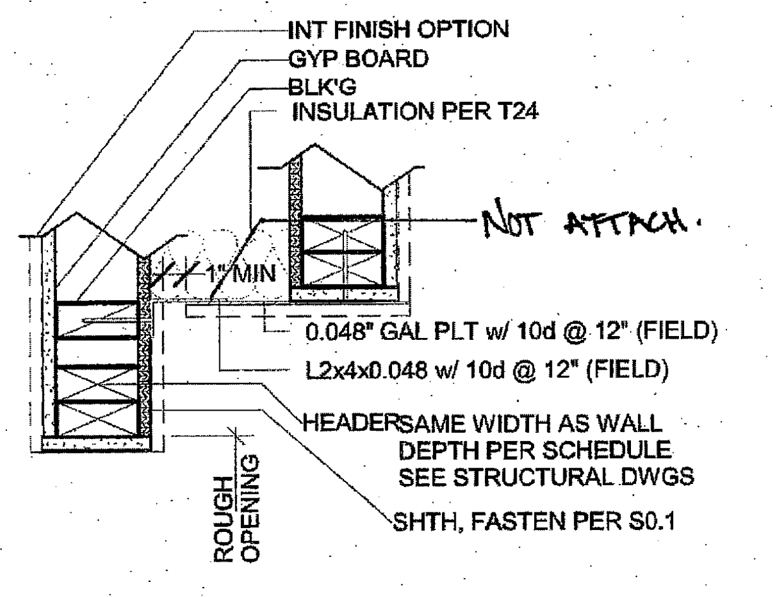
1 1/4" = 1'-0"
24x40 RCP(A)


CLOSER STRIP AND INSULATION @ BOTH SIDES OF THRESHOLD AND CLG SEE
8 A3.2
9 A3.2
ADJACENT MOD w/ MIN 6" SEP.
6" SEP.

7 1/4" = 1'-0"
RCP - Optional Opening



9 1 1/2" = 1'-0"
ML CLOSURE STRIP (MTL)



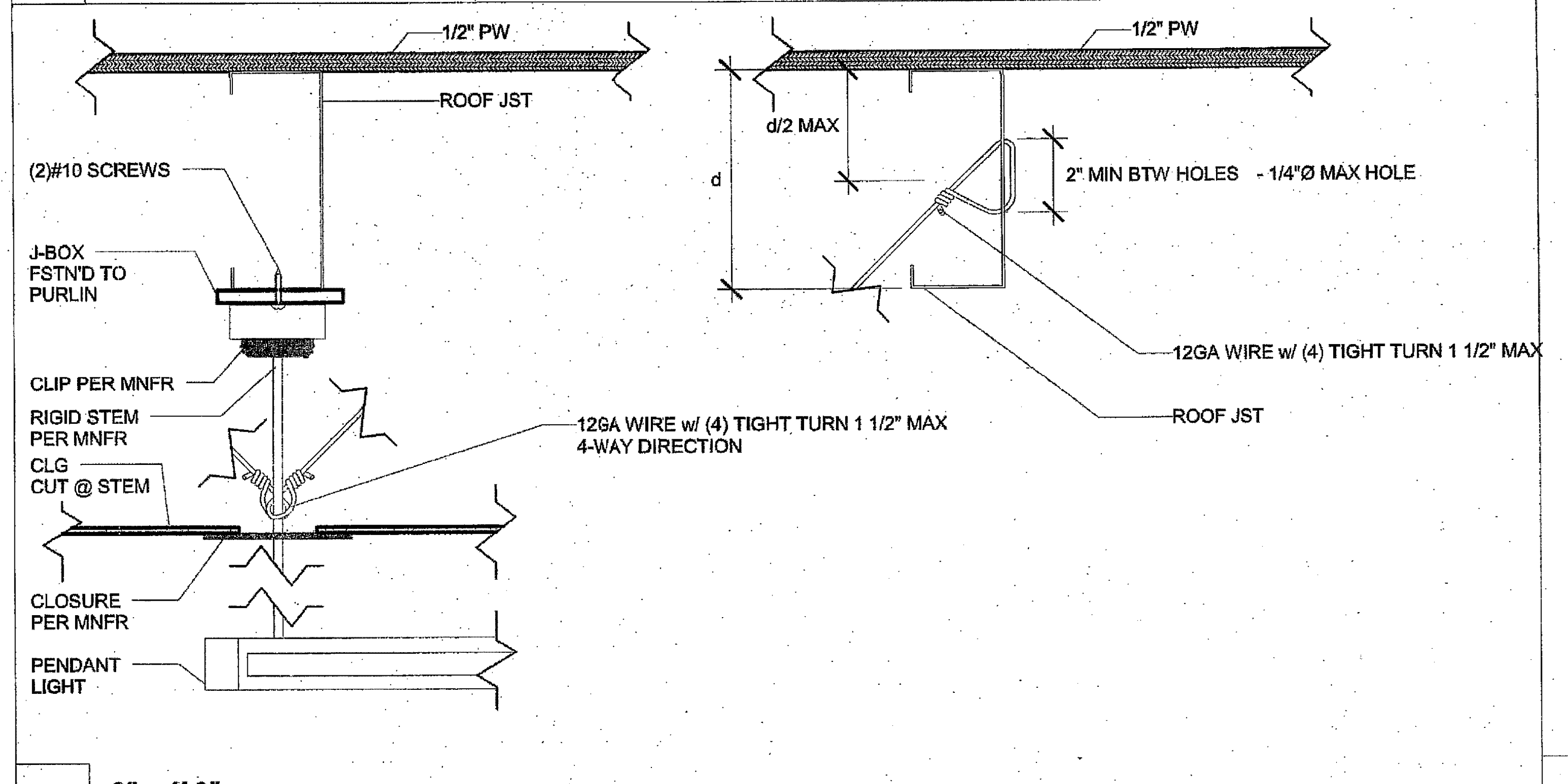
8 1 1/2" = 1'-0"
ML CLOSURE STRIP (WOOD)

ARMSTRONG #:
PA-041

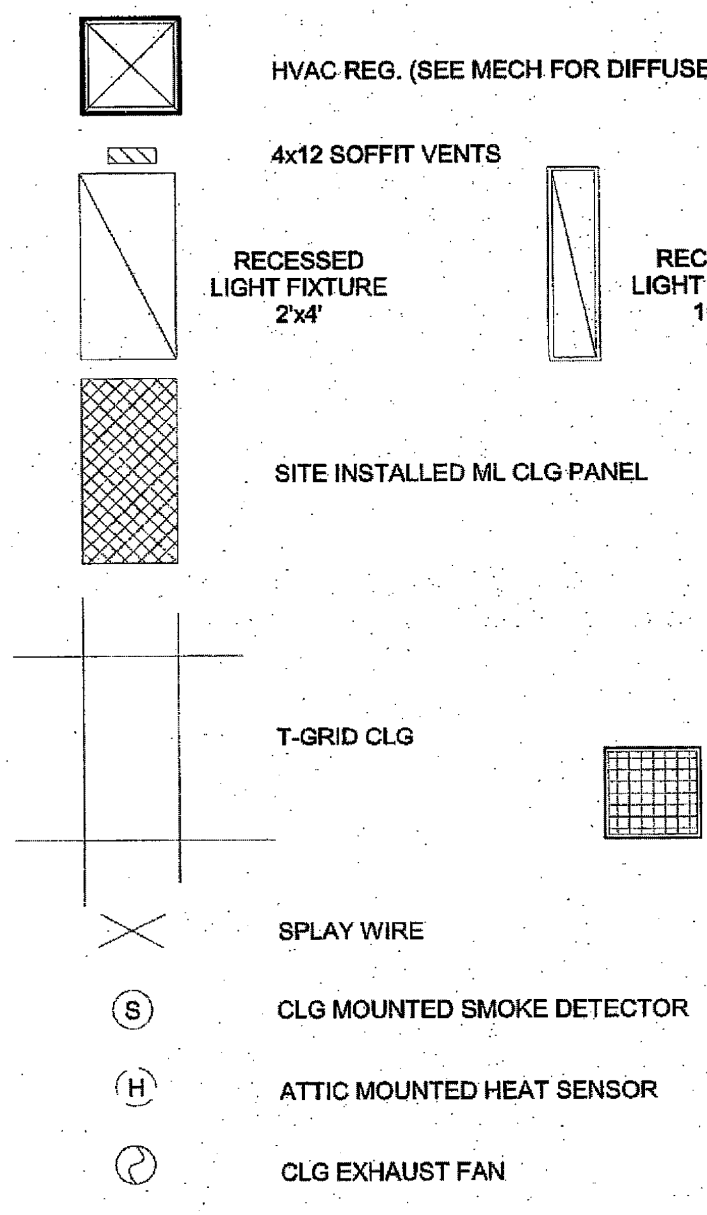
MAIN RUNNER 7301
4' CROSS T #: XL7341
2' CROSS T #: XL7328

STANDARD 7/8" WALL ANGLE CLIP w/ BERC-2 CLIP (ICC #ESR-1308)
2" WALL ANGLE: 7810 (OPTIONAL)

5 1/4" = 1'-0"
T-Bar Sched



6 3" = 1'-0"
Section - Pendant Mounting Detail


HVAC REG. (SEE MECH FOR DIFFUSER) LOCATION
4x12 SOFFIT VENTS
RECESSED LIGHT FIXTURE 2'x4'
RECESSED LIGHT FIXTURE 16'x1'
PENDANT LIGHT FIXTURE 8'x1'
6 / A3.2
SITE INSTALLED ML CLG PANEL
T-GRID CLG
SKYLIGHT DIFFUSER SEE ROOF PLAN FOR LOCATION
SPLAY WIRE
CLG MOUNTED SMOKE DETECTOR
ATTIC MOUNTED HEAT SENSOR
CLG EXHAUST FAN

SINGLE OCC : (1 LIGHT FIXTURE) = 32 SYSTEM WATTS
(3)32 SYSTEM WATTS X .80 = 25.6
25.6 / 68 S.F. ROOM =

.38 LUMINAIRE WATTS/SF

4 1/4" = 1'-0"
RCP Legend

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt
3/3/2016 9:00:30 PM

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
No. S3580
03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS FLS — SS
DATE DEC 0 8 2016

Revision Schedule

#	Description	Date

SHEET TITLE
RCP

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A3.2

SHEET OF SHEETS

Proprietary Property of Class Leasing
Proprietary Property of Class Leasing
Proprietary Property of Class Leasing

ADDENDUM

1. CEILING SYSTEM GENERAL NOTES:

1.01 Ceiling system components shall comply with ASTM C635-07 and Section 5.1 of ASTM E580-10a.

1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.

1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

Manufacturer's Name ____________.
Product Evaluation Report Type and Number ____________.
Manufacturer's Model Number - main runner ____________.
Manufacturer's catalog number - cross runner ____________.

SEE A3.2

1.04 Seismic Wall Clip:

Manufacturer's Model ____________.

1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.

1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide ¾" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide ¾" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip.

2. MATERIALS:

2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a. Wire shall be #12 gage (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.

2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653-11, or other equivalent sheet steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2007, including supplement 2 dated 2010 (AISI S100-07/S2-10). Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gage) and heavier shall have a minimum yield strength of 50 ksi.

2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

Basis Document: **DSA IR 25-2.13**			Sheet No:
Sheet Title: **Ceiling Notes**	rev.	09-21-15	1.00

3. ATTACHMENT OF HANGER AND BRACING WIRES:

3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.

3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.

3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.

3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.

3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.)

4. FASTENERS AND WELDING:

4.01 Sheet metal screws shall comply with ASTM C1513-10, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed threads.

4.02 Expansion anchors shall be:

4.03 Power-Actuated Fasteners shall be:

4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.

4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.

4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post - installed anchor.

4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING: All field testing must be performed in the presence of the project inspector.

5.01 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1913A.7.

5.02 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.

Basis Document: **DSA IR 25-2.13**			Sheet No:
Sheet Title: **Ceiling Notes**	rev.	09-21-15	1.01

6. LIGHT FIXTURES:

6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.

6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lb. Maximum spacing between supports shall not exceed eight (8) feet.

6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.

6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.

6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above.

Exception: All light fixtures greater than two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.

6.06 All Light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) taut #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) taut #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

7. SERVICES WITHIN THE CEILING:

7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.

7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.

7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.

7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) taut #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

Basis Document: **DSA IR 25-2.13**			Sheet No:
Sheet Title: **Ceiling Notes**	rev.	09-21-15	1.02

8. OTHER DEVICES WITHIN THE CEILING:

8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

Basis Document: **DSA IR 25-2.13**			Sheet No:
Sheet Title: **Ceiling Notes**	rev.	09-21-15	1.03

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS FLS SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
CEILING NOTES

PROJECT NUMBER
15046

DRAWN BY
Author

CHECKED BY
Checker

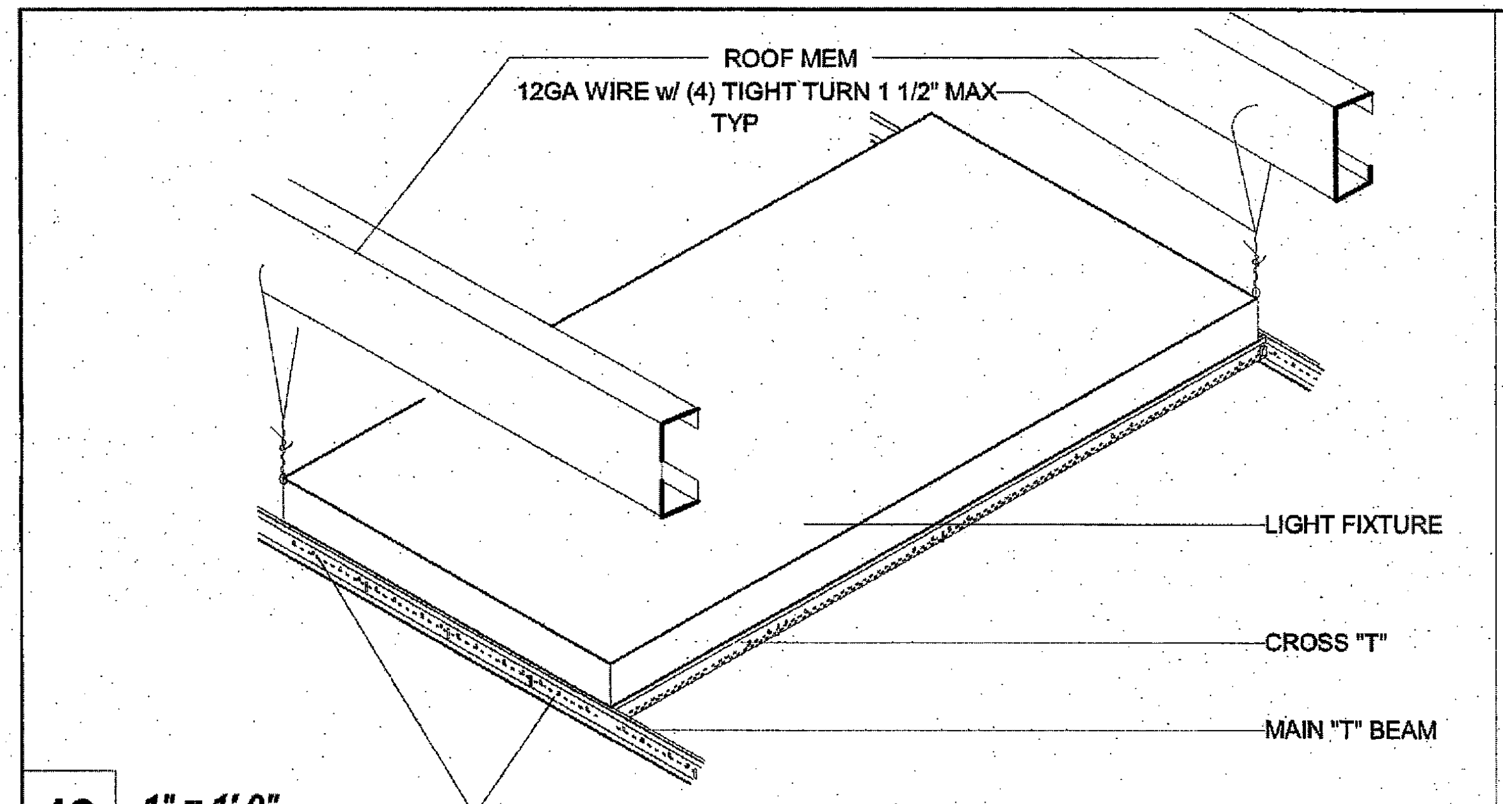
DATE
2016/03/02

SHEET NO.
A3.2.1

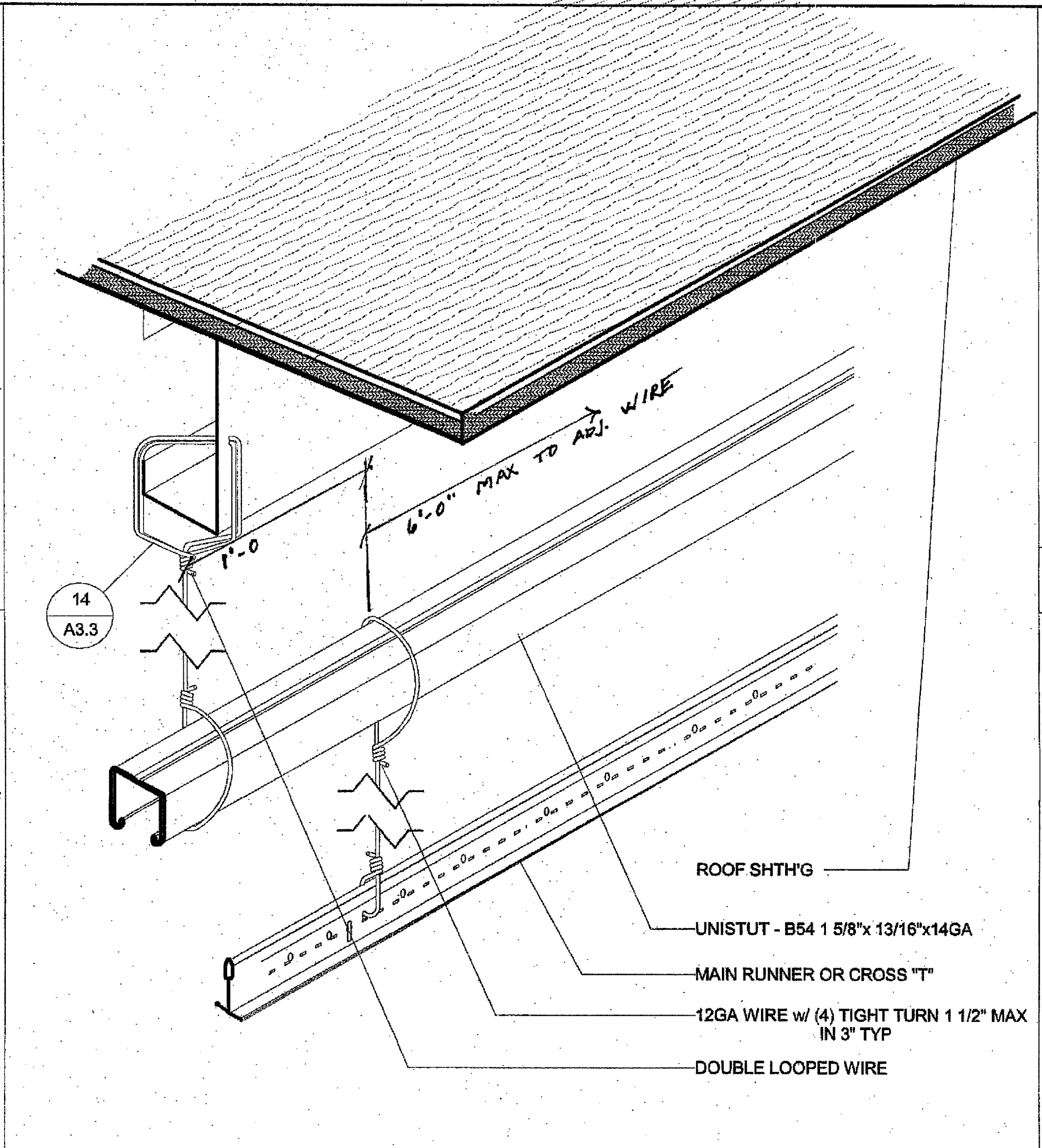
SHEET OF SHEETS

ADDENDUM

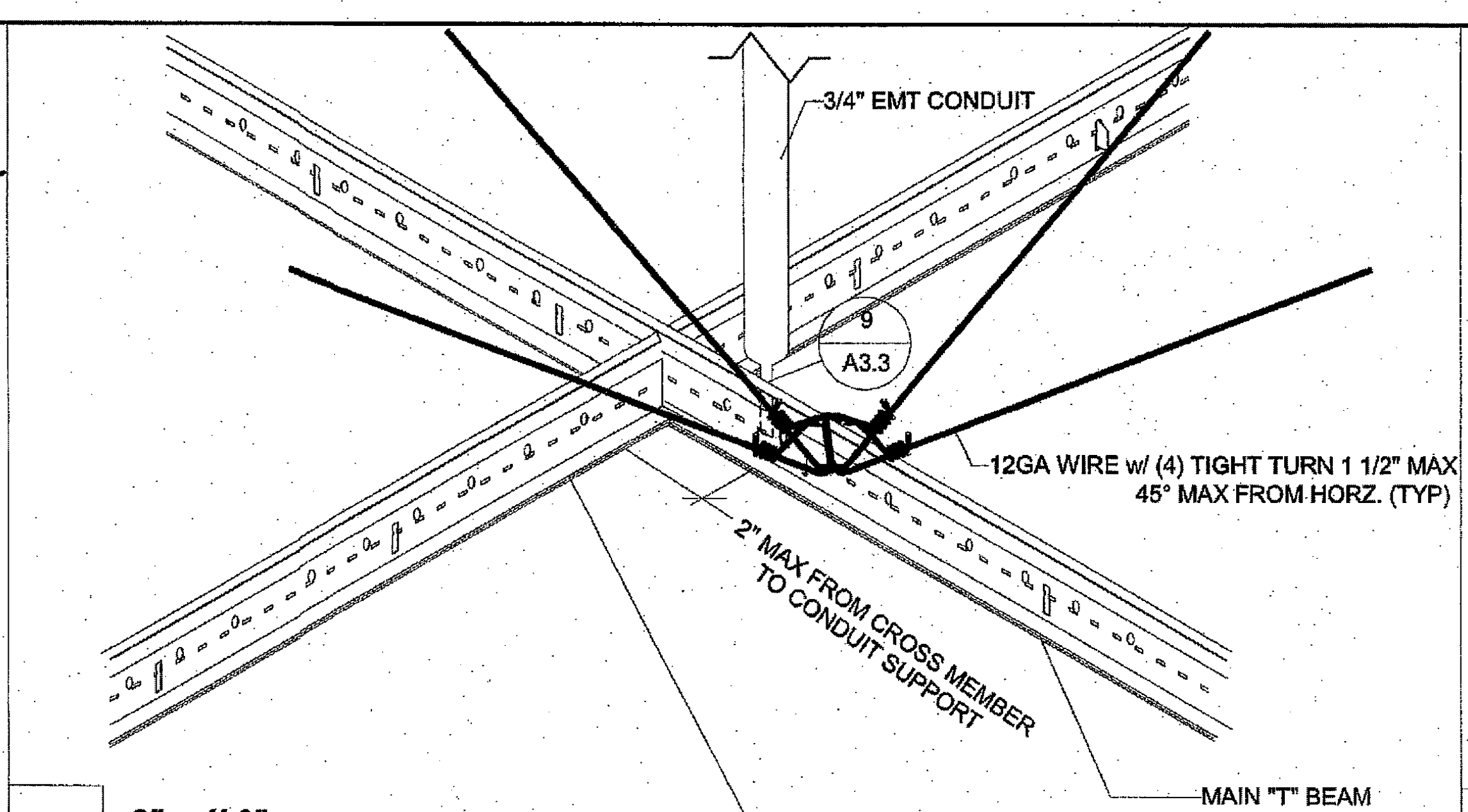
3/3/2016 9:00:31 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt


ROOF MEM
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX TYP
LIGHT FIXTURE
CROSS "T"
MAIN "T" BEAM
FST'N FIXTURE TO CLG GRID w/ (2)#8 STSMS (EA SIDE)

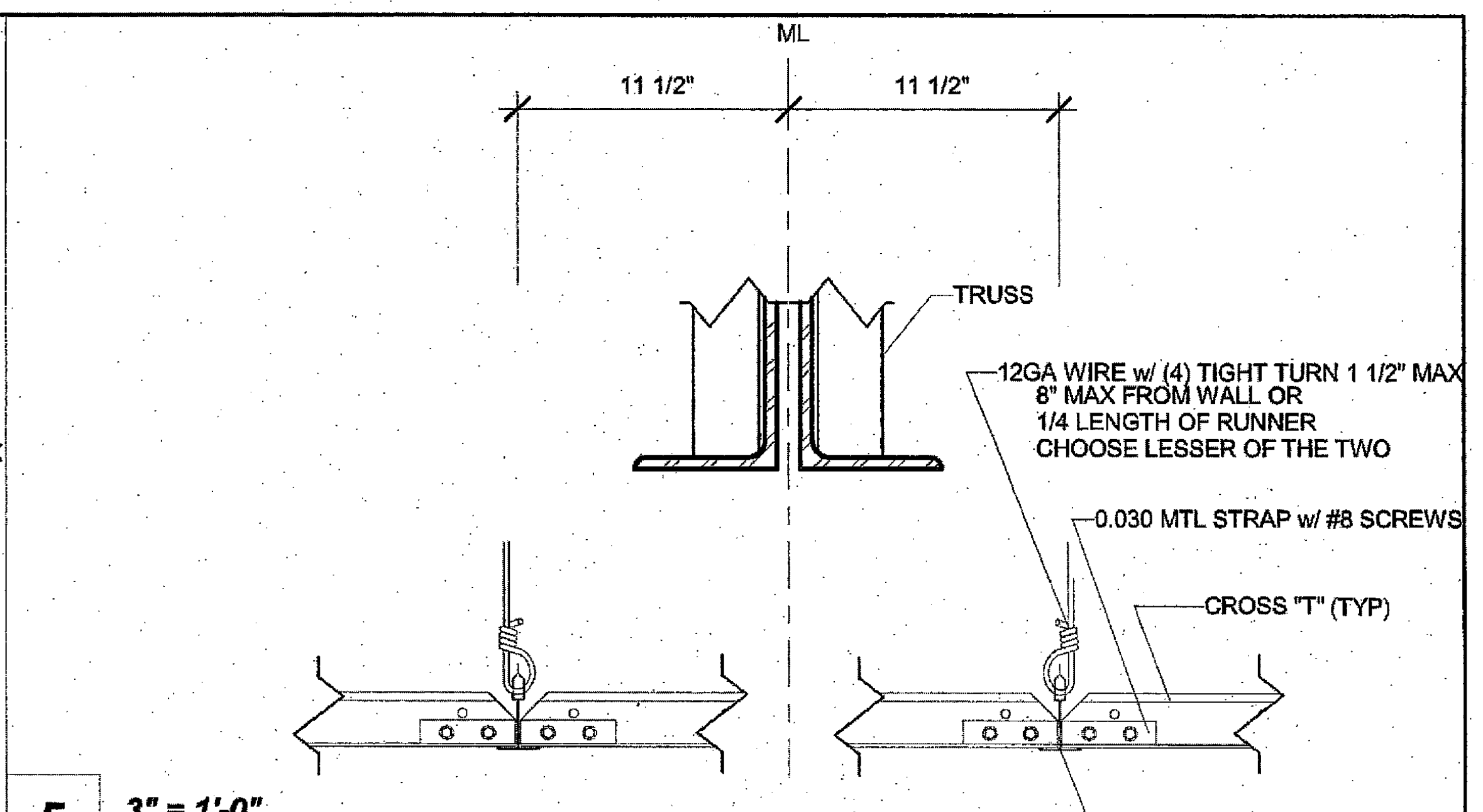
18 1" = 1'-0"
ISO - Light Fixture



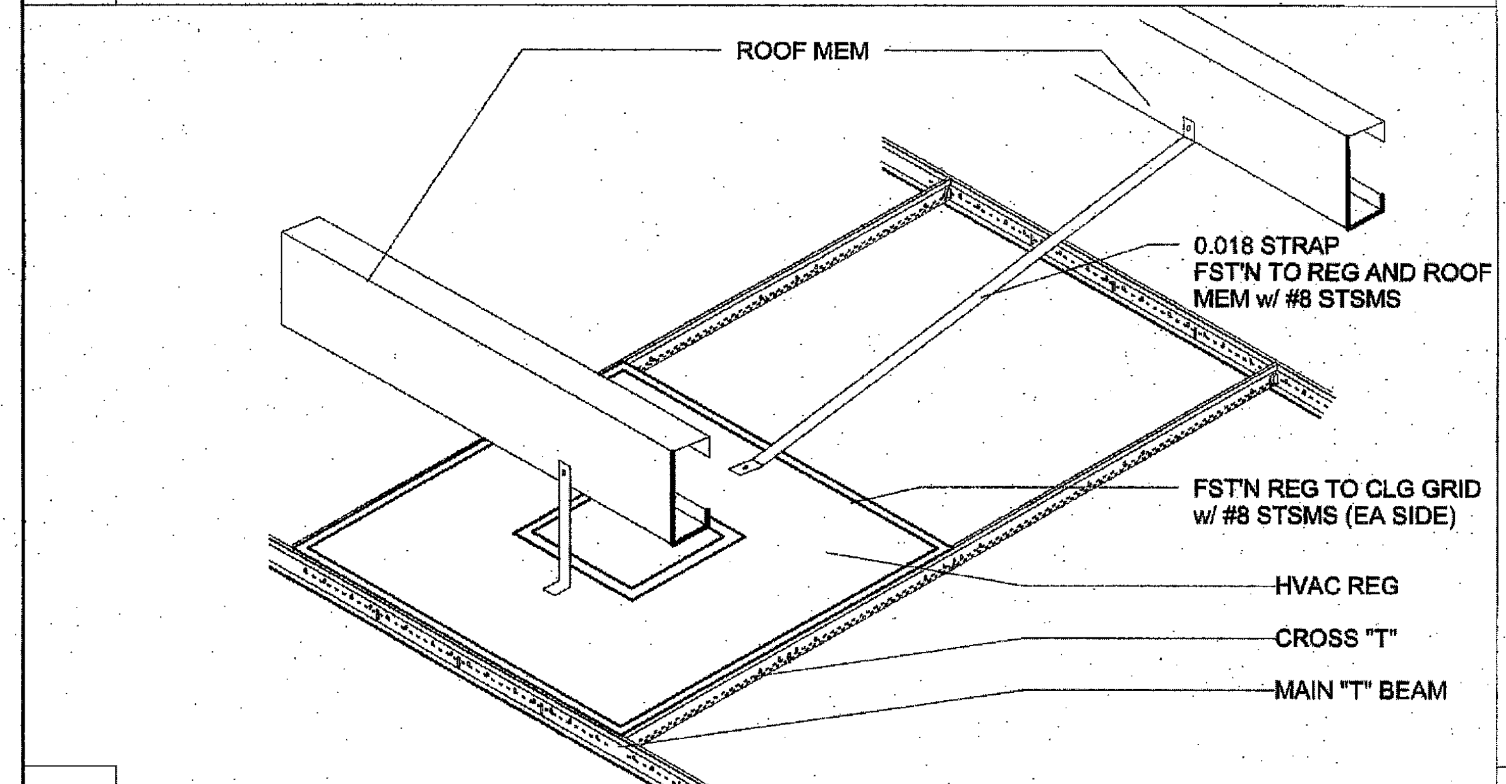
12 3" = 1'-0"
ISO - Trapeze Condition


3/4" EMT CONDUIT
9
A3.3
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX 45° MAX FROM HORZ. (TYP)
2" MAX FROM CROSS MEMBER TO CONDUIT SUPPORT
MAIN "T" BEAM
CROSS "T"

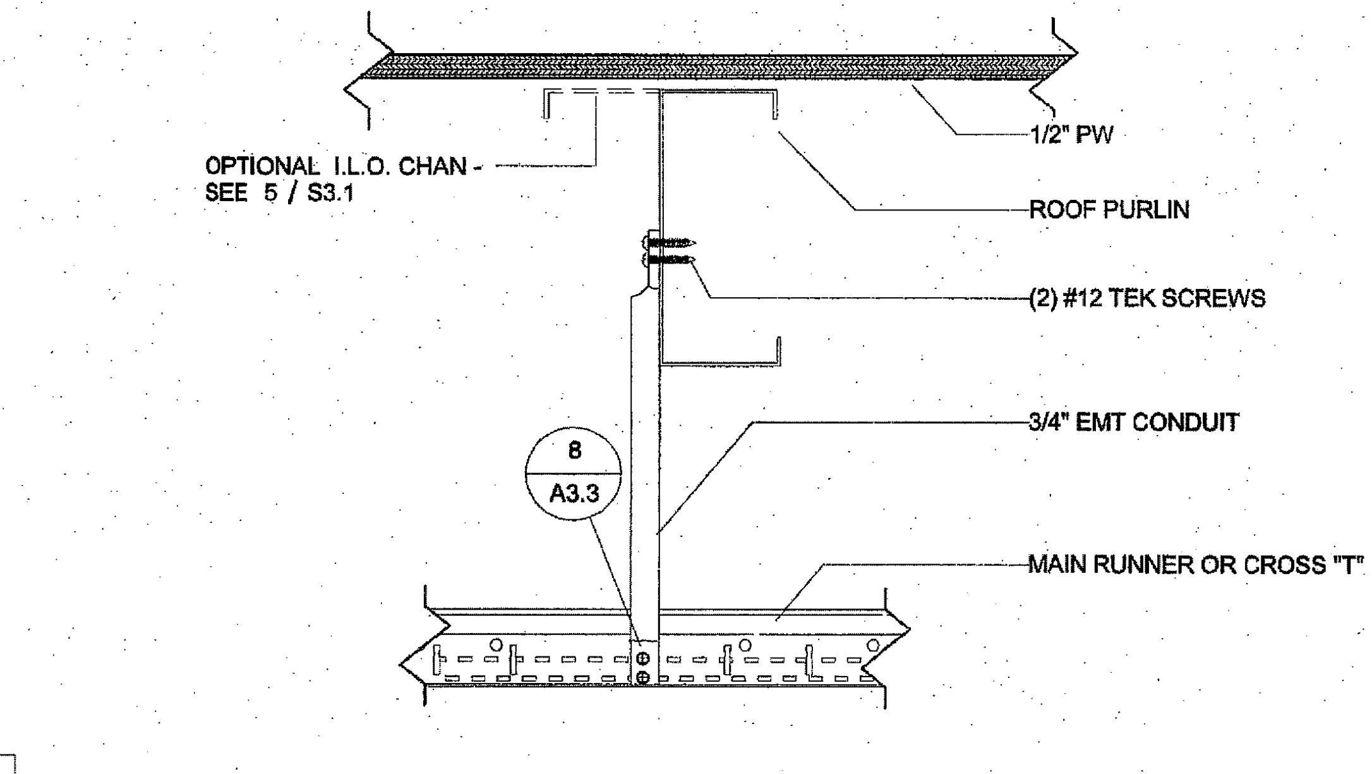
10 3" = 1'-0"
ISO - 4-Way Seismic Splay


ML
11 1/2"
11 1/2"
TRUSS
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX 8" MAX FROM WALL OR 1/4 LENGTH OF RUNNER CHOOSE LESSER OF THE TWO
0.030 MTL STRAP w/ #8 SCREWS
CROSS "T" (TYP)
MAIN "T" BEAM

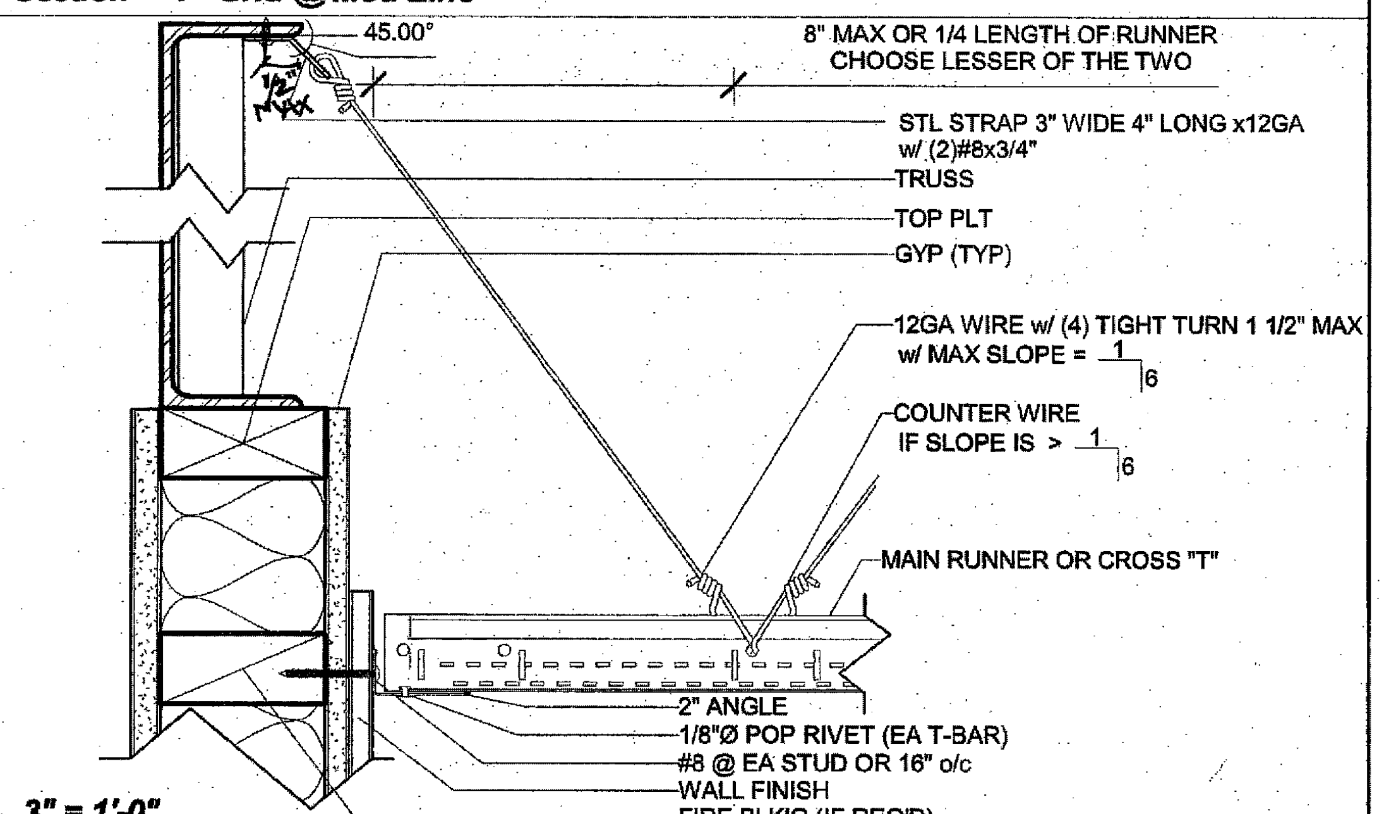
5 3" = 1'-0"
Section - "T" Grid @ Mod Line


ROOF MEM
0.018 STRAP FST'N TO REG AND ROOF MEM w/ #8 STSMS
FST'N REG TO CLG GRID w/ #8 STSMS (EA SIDE)
HVAC REG
CROSS "T"
MAIN "T" BEAM

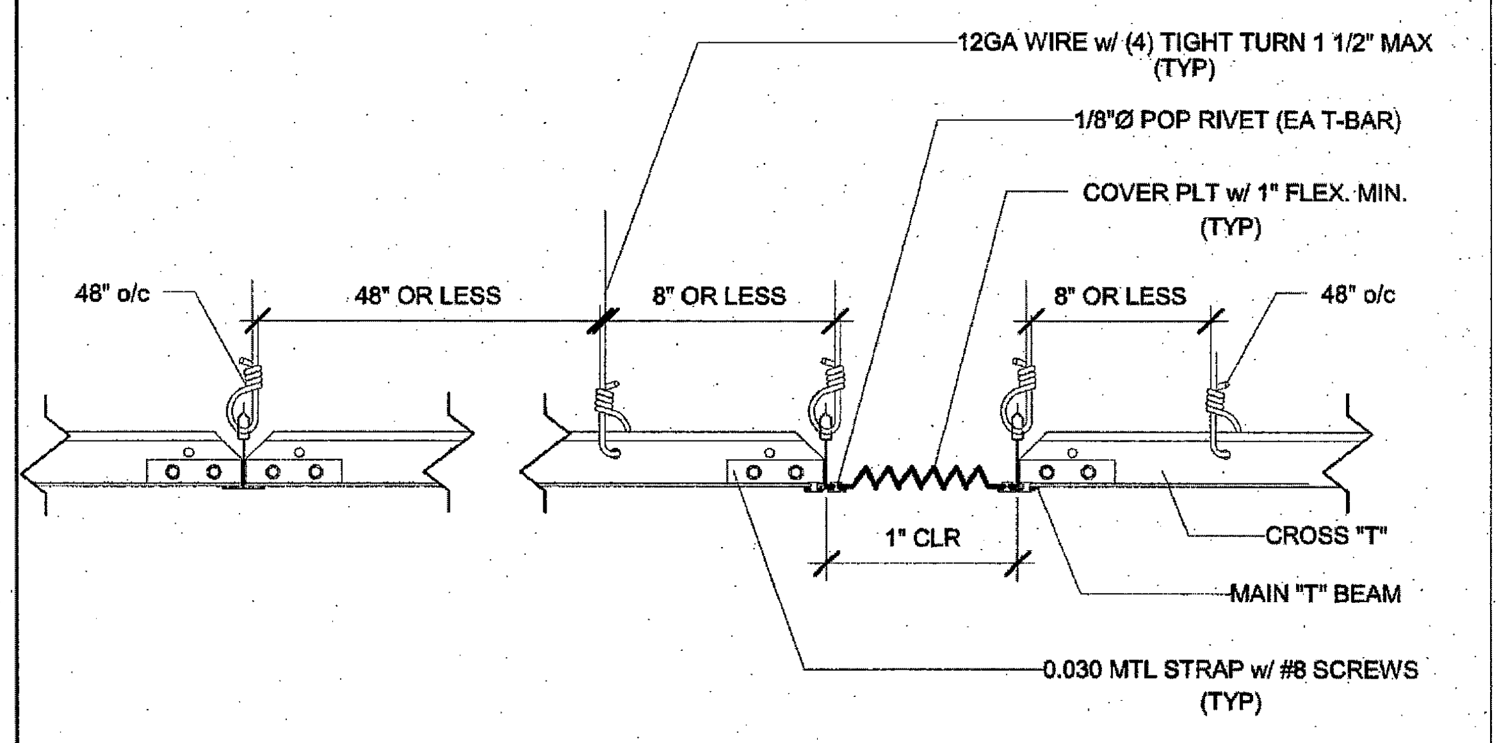
17 1" = 1'-0"
ISO - HVAC Reg Mount



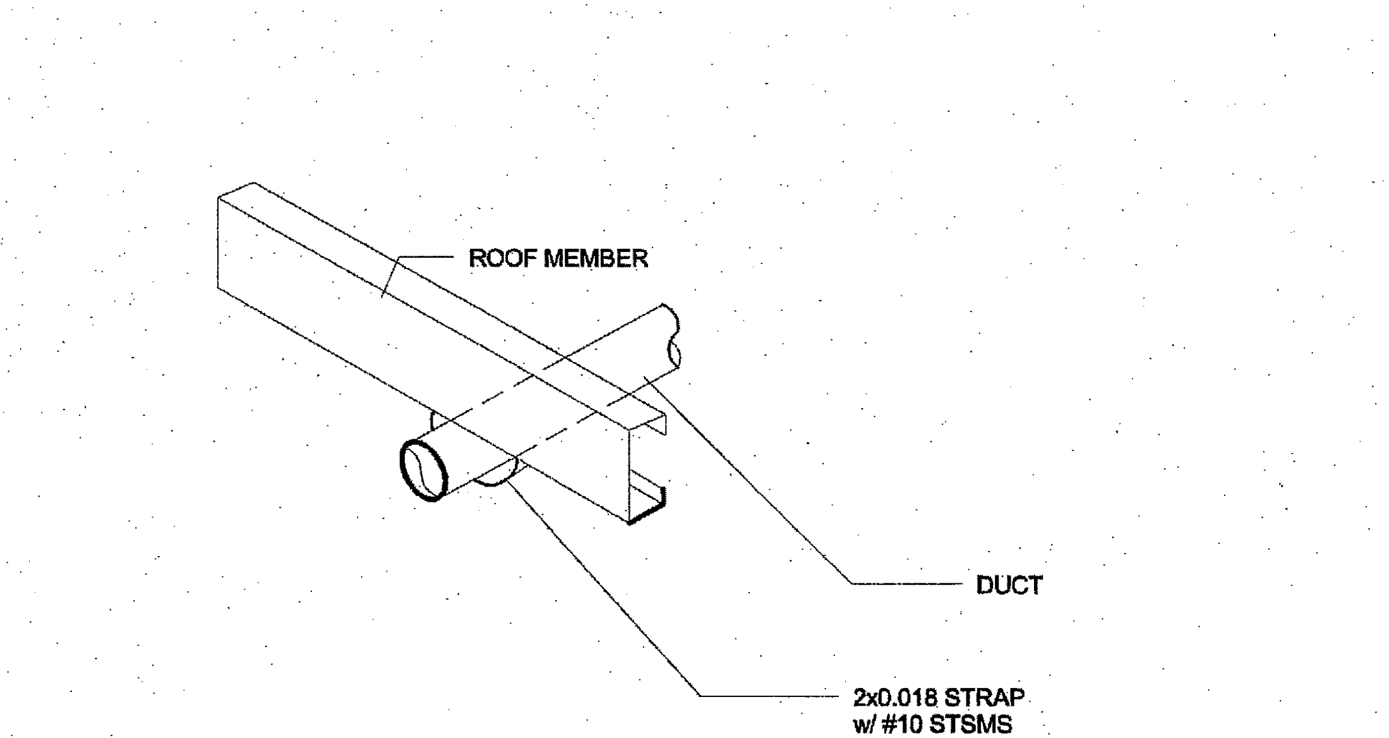
9 3" = 1'-0"
Elevation - Compression Strut


45.00°
1/2" MAX
8" MAX OR 1/4 LENGTH OF RUNNER CHOOSE LESSER OF THE TWO
STL STRAP 3" WIDE 4" LONG x12GA w/ (2)#8x3/4"
TRUSS
TOP PLT
GYP (TYP)
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX w/ MAX SLOPE = 1/6
COUNTER WIRE IF SLOPE IS > 1/6
MAIN RUNNER OR CROSS "T"
2" ANGLE
1/8"Ø POP RIVET (EA T-BAR)
#8 @ EA STUD OR 16" o/c
WALL FINISH
FIRE BLK'G (IF REQ'D)

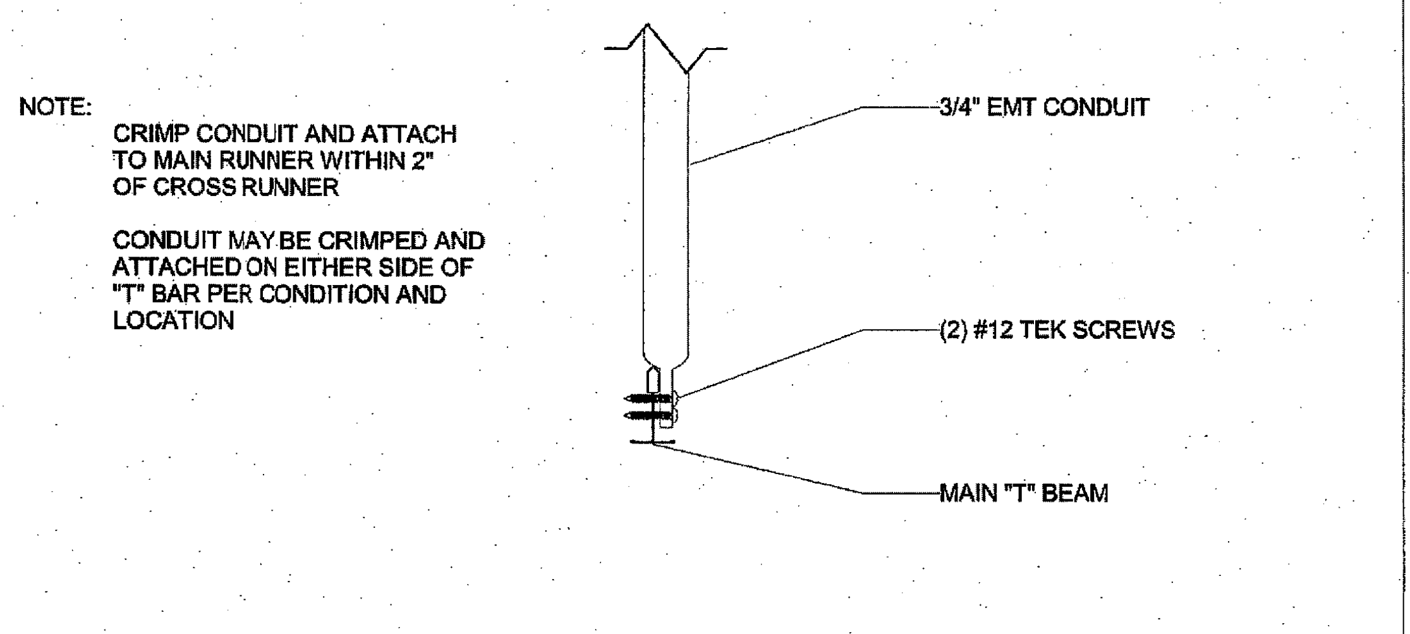
4 3" = 1'-0"
Section - Fastened Condition @ Endwall


12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX (TYP)
1/8"Ø POP RIVET (EA T-BAR)
COVER PLT w/ 1" FLEX. MIN. (TYP)
48" o/c
48" OR LESS
8" OR LESS
8" OR LESS
48" o/c
1" CLR
CROSS "T"
MAIN "T" BEAM
0.030 MTL STRAP w/ #8 SCREWS (TYP)

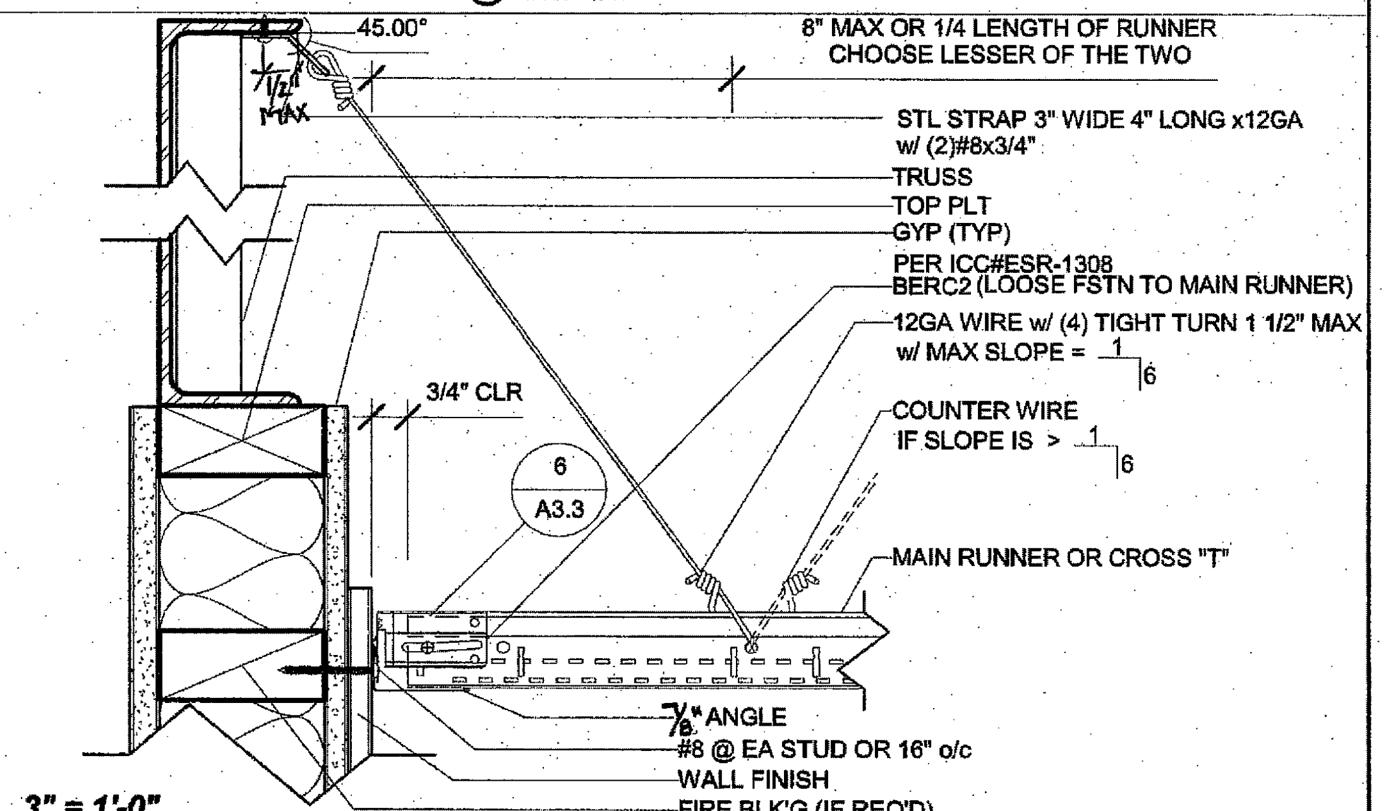
16 3" = 1'-0"
Section - "T" Grid @ Mod Line


ROOF MEMBER
DUCT
2x0.018 STRAP w/ #10 STSMS (1)@ REG AND (1)@ ROOF MEM (SIM @ ROOF BM)

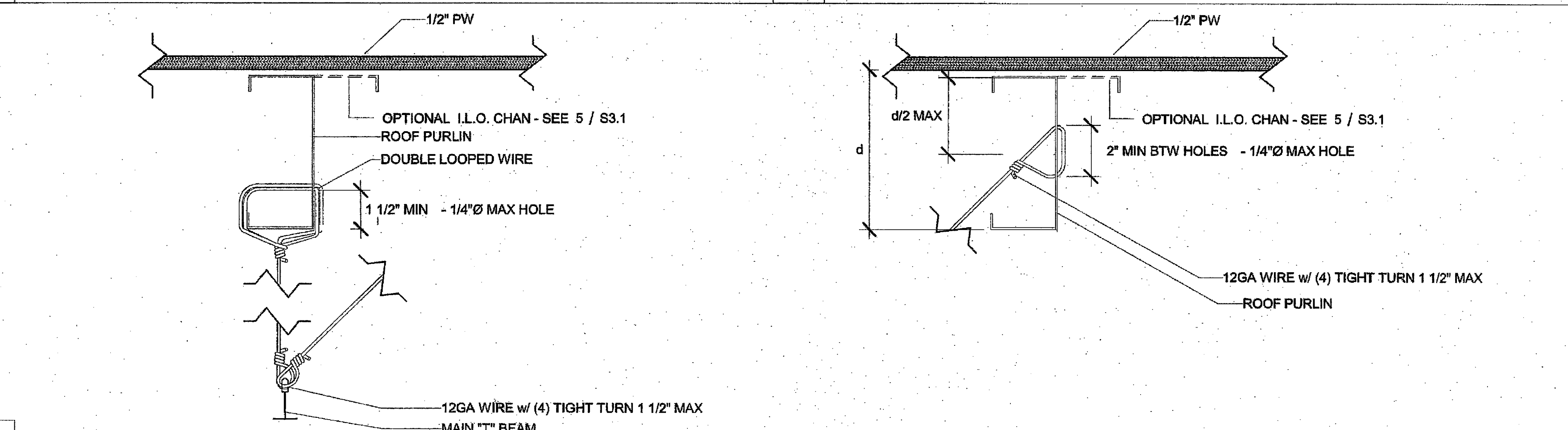
11 1" = 1'-0"
ISO - Duct Connection


NOTE:
CRIMP CONDUIT AND ATTACH TO MAIN RUNNER WITHIN 2" OF CROSS RUNNER
CONDUIT MAY BE CRIMPED AND ATTACHED ON EITHER SIDE OF "T" BAR PER CONDITION AND LOCATION
3/4" EMT CONDUIT
(2) #12 TEK SCREWS
MAIN "T" BEAM

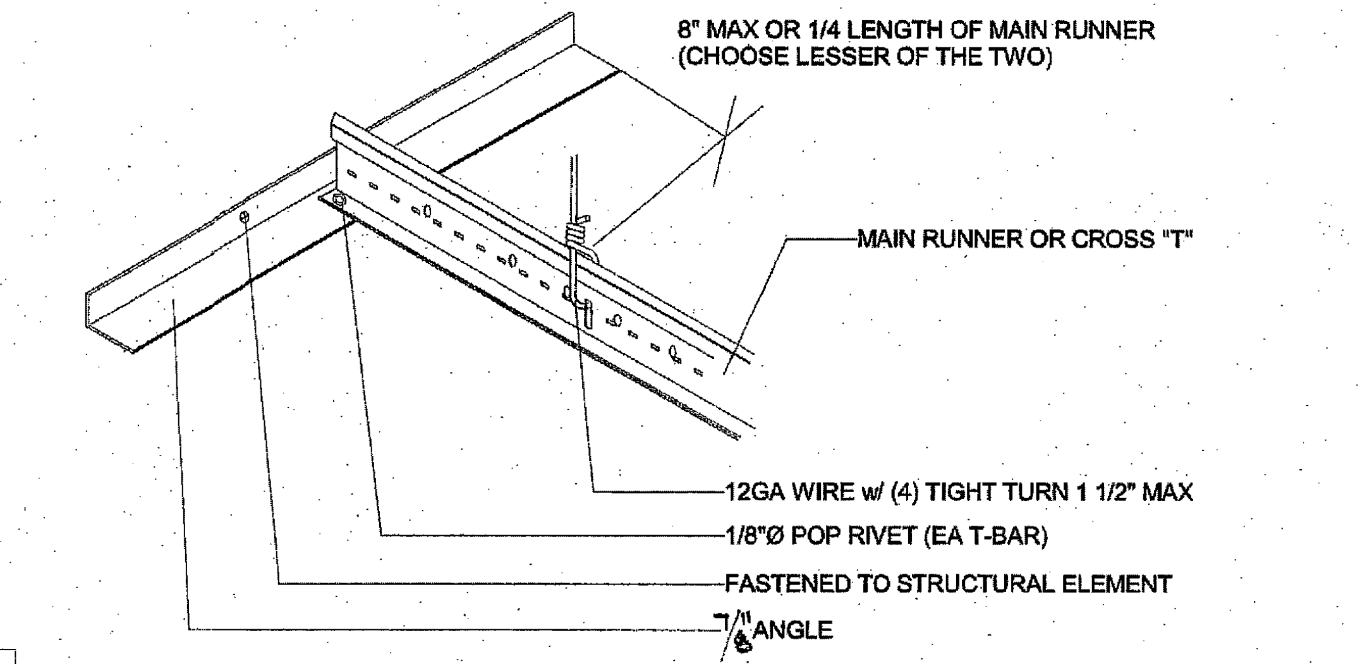
8 3" = 1'-0"
Section - Compression Strut


45.00°
1/2" MAX
8" MAX OR 1/4 LENGTH OF RUNNER CHOOSE LESSER OF THE TWO
STL STRAP 3" WIDE 4" LONG x12GA w/ (2)#8x3/4"
TRUSS
TOP PLT
GYP (TYP)
PER ICC#ESR-1308 BERC2 (LOOSE FSTN TO MAIN RUNNER)
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX w/ MAX SLOPE = 1/6
3/4" CLR
6
A3.3
COUNTER WIRE IF SLOPE IS > 1/6
MAIN RUNNER OR CROSS "T"
7/8 ANGLE
#8 @ EA STUD OR 16" o/c
WALL FINISH
FIRE BLK'G (IF REQ'D)

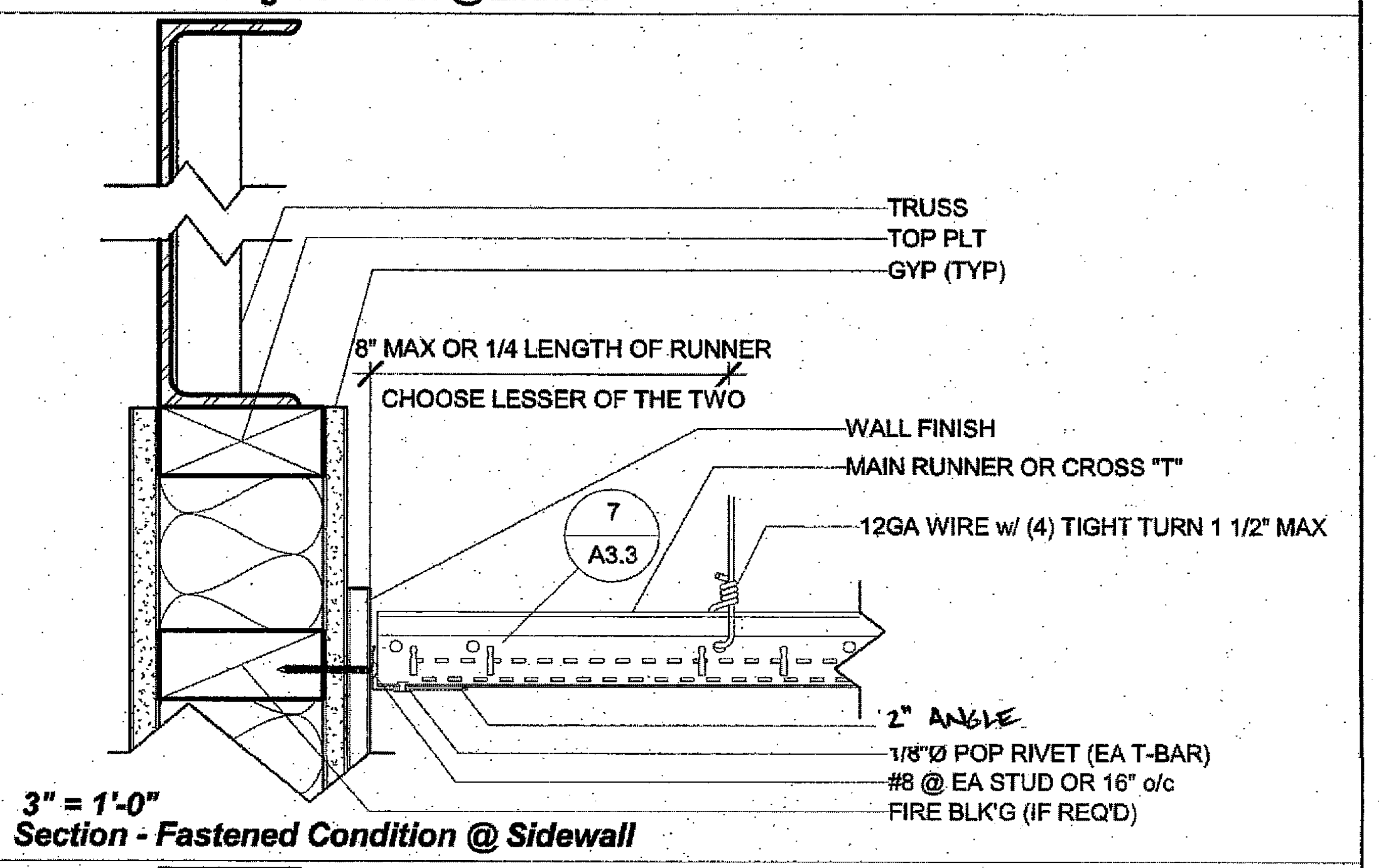
3 3" = 1'-0"
Section - Floating Condition @ Endwall


1/2" PW
OPTIONAL I.L.O. CHAN - SEE 5 / S3.1
ROOF PURLIN
DOUBLE LOOPED WIRE
1 1/2" MIN - 1/4"Ø MAX HOLE
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX
MAIN "T" BEAM
1/2" PW
d/2 MAX
d
OPTIONAL I.L.O. CHAN - SEE 5 / S3.1
2" MIN BTW HOLES - 1/4"Ø MAX HOLE
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX
ROOF PURLIN

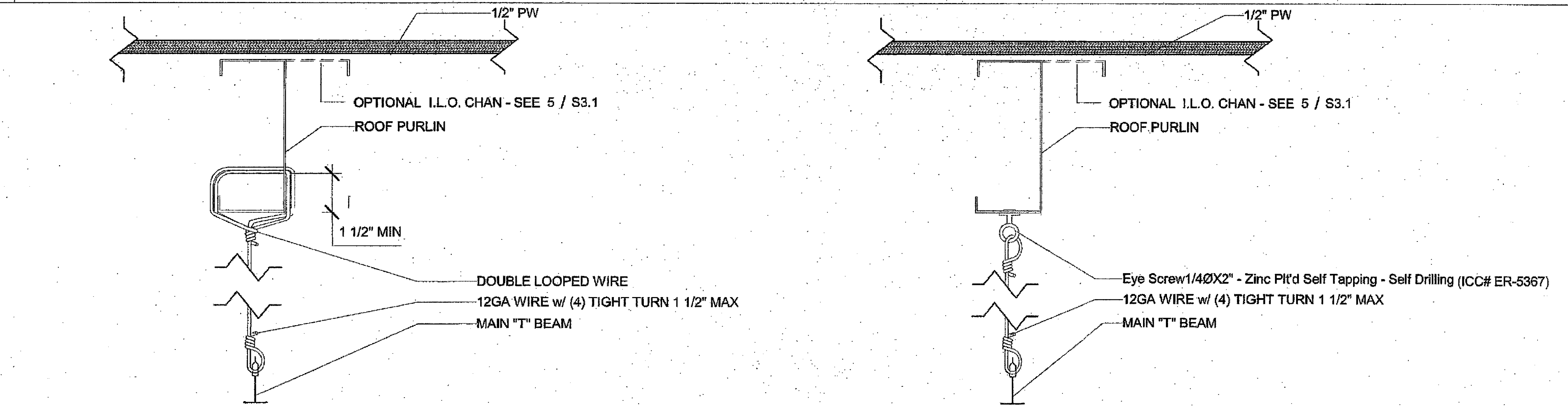
15 3" = 1'-0"
Section - Brace Wire Detail


8" MAX OR 1/4 LENGTH OF MAIN RUNNER (CHOOSE LESSER OF THE TWO)
MAIN RUNNER OR CROSS "T"
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX
1/8"Ø POP RIVET (EA T-BAR)
FASTENED TO STRUCTURAL ELEMENT
7/8 ANGLE

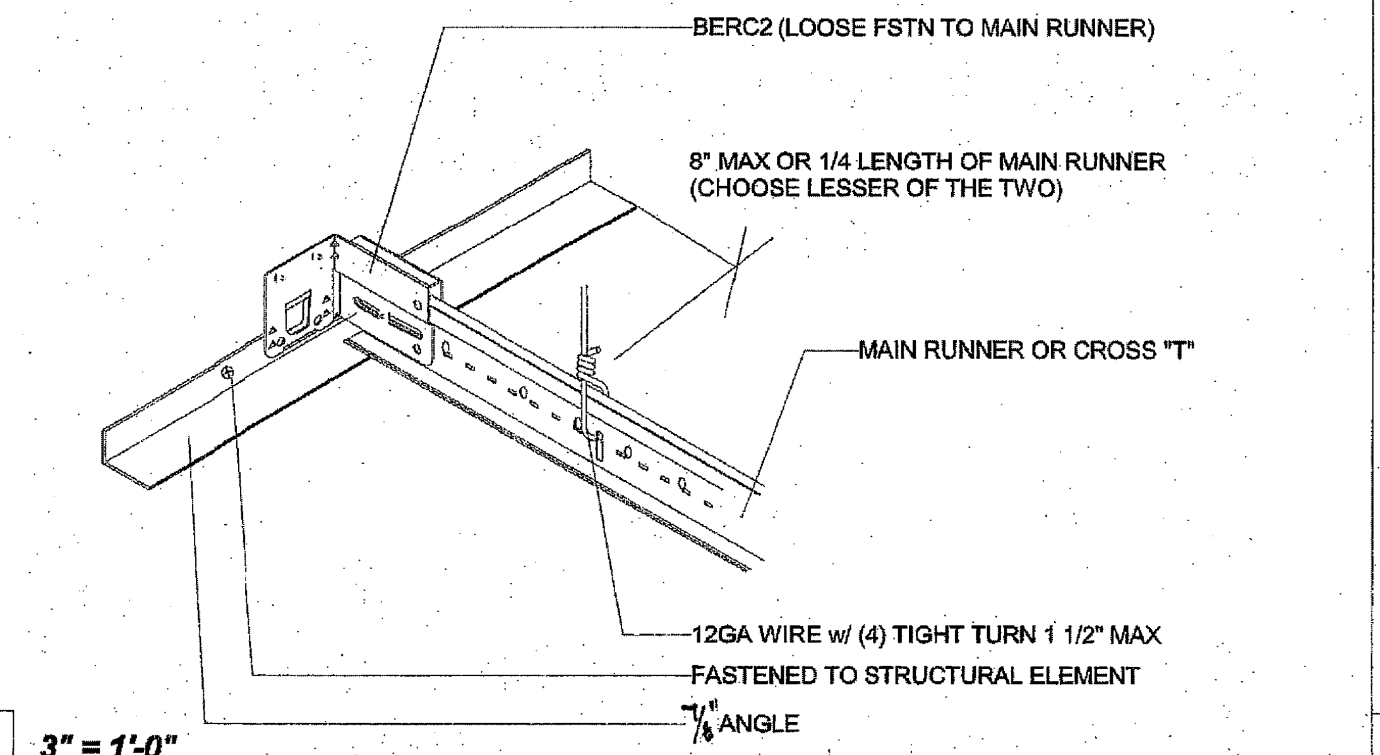
7 3" = 1'-0"
Fixed Condition w/ Angle



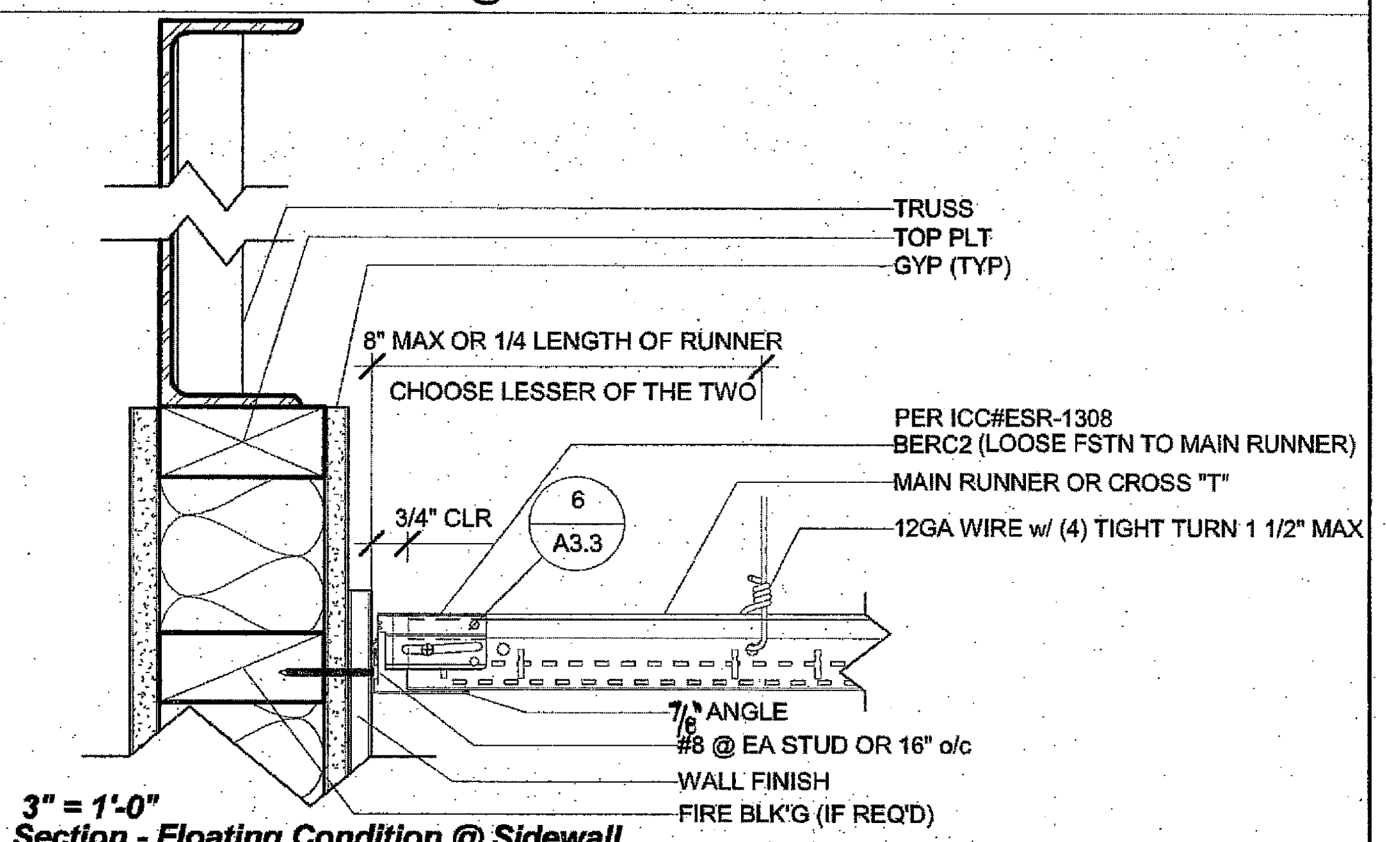
2 3" = 1'-0"
Section - Fastened Condition @ Sidewall


1/2" PW
OPTIONAL I.L.O. CHAN - SEE 5 / S3.1
ROOF PURLIN
1 1/2" MIN
DOUBLE LOOPED WIRE
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX
MAIN "T" BEAM
1/2" PW
OPTIONAL I.L.O. CHAN - SEE 5 / S3.1
ROOF PURLIN
Eye Screw1/4ØX2" - Zinc Plt'd Self Tapping - Self Drilling (ICC# ER-5367)
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX
MAIN "T" BEAM

14 3" = 1'-0"
Section - Hanger Wire Detail


BERC2 (LOOSE FSTN TO MAIN RUNNER)
8" MAX OR 1/4 LENGTH OF MAIN RUNNER (CHOOSE LESSER OF THE TWO)
MAIN RUNNER OR CROSS "T"
12GA WIRE w/ (4) TIGHT TURN 1 1/2" MAX
FASTENED TO STRUCTURAL ELEMENT
7/8 ANGLE

6 3" = 1'-0"
Floating Condition w/ Angle



1 3" = 1'-0"
Section - Floating Condition @ Sidewall

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

3/3/2016 5:00:36 PM

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISHER
No. S3580
STRUCTURAL
STATE OF CALIFORNIA

03/02/2016

CLIENT

CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS – SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
CEILING DETAILS
(T-GRID)

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

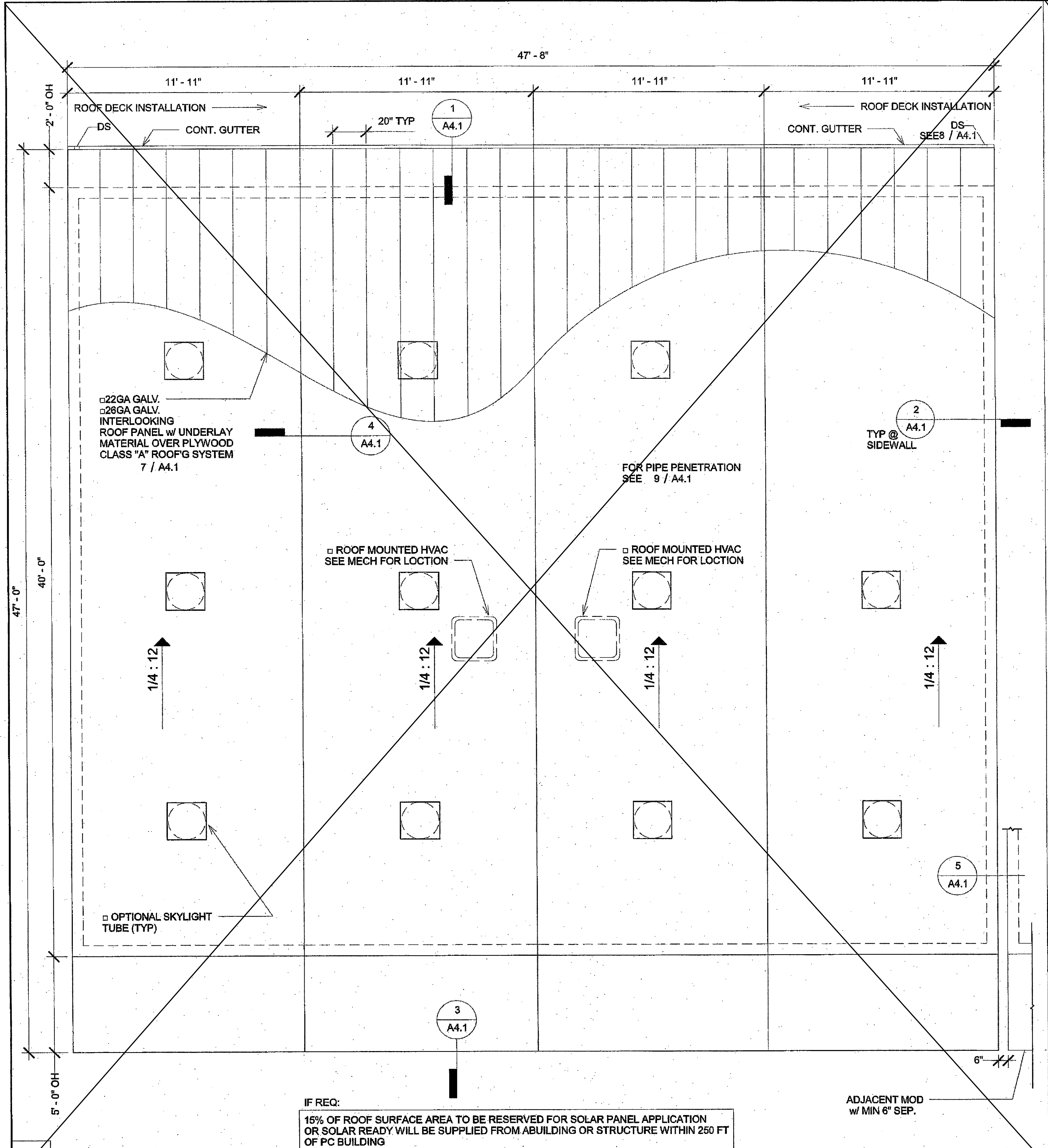
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A3.3

SHEET OF SHEETS

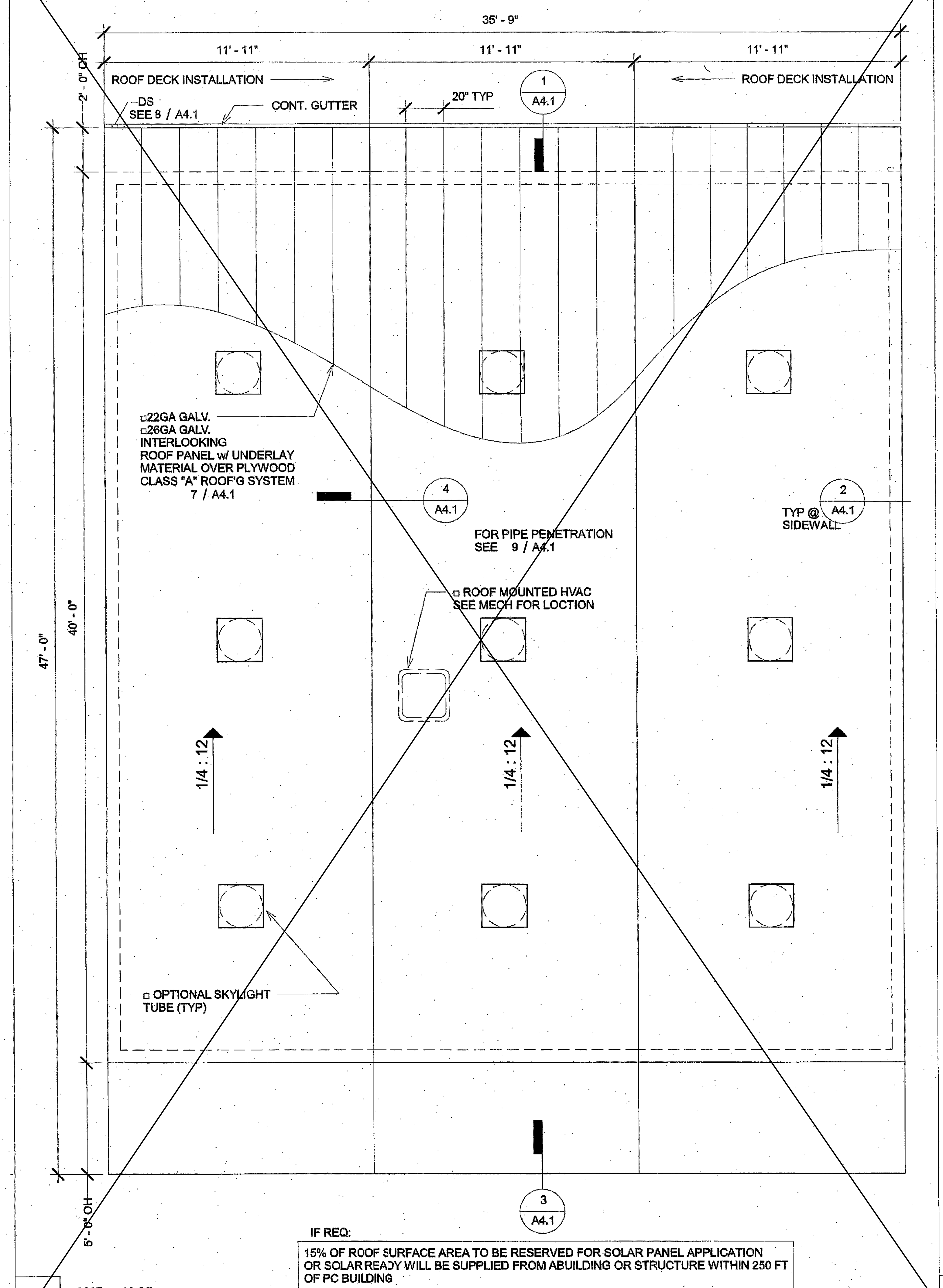
ADDENDUM



IF REQ:

15% OF ROOF SURFACE AREA TO BE RESERVED FOR SOLAR PANEL APPLICATION OR SOLAR READY WILL BE SUPPLIED FROM ABUILDING OR STRUCTURE WITHIN 250 FT OF PC BUILDING

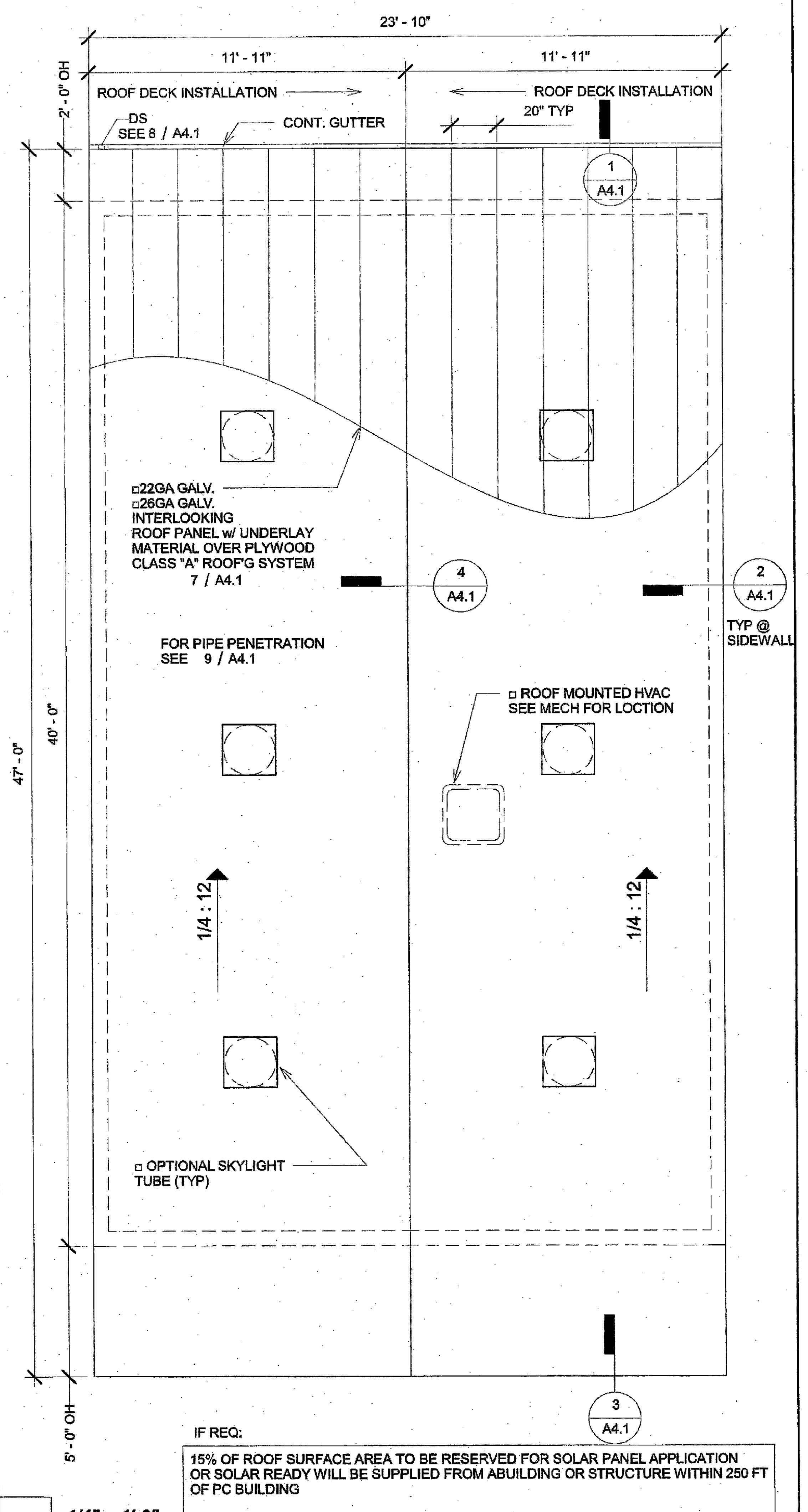
3 *1/4" = 1'-0"*
48x40 Roof Plan (Mt Mono)



IF REQ:

15% OF ROOF SURFACE AREA TO BE RESERVED FOR SOLAR PANEL APPLICATION OR SOLAR READY WILL BE SUPPLIED FROM ABUILDING OR STRUCTURE WITHIN 250 FT OF PC BUILDING

2 *1/4" = 1'-0"*
36x40 Roof Plan (Mtl Mono)



IF REQ:

15% OF ROOF SURFACE AREA TO BE RESERVED FOR SOLAR PANEL APPLICATION OR SOLAR READY WILL BE SUPPLIED FROM ABUILDING OR STRUCTURE WITHIN 250 FT OF PC BUILDING

1 *1/4" = 1'-0"*
24x40 Roof Plan (Mtl Mono)

3/15/2016 12:22:23 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3380
STRUCTURAL
STATE OF CALIFORNIA

03/02/2016

CLIENT

CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2016 CBC
A SEP. PROJECT APPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SL FLS SS
DATE MAR 18 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS RF SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
ROOF PLAN MONO SLOPE (STANDING SEAM)

PROJECT NUMBER 15046

DRAWN BY rMc/SM

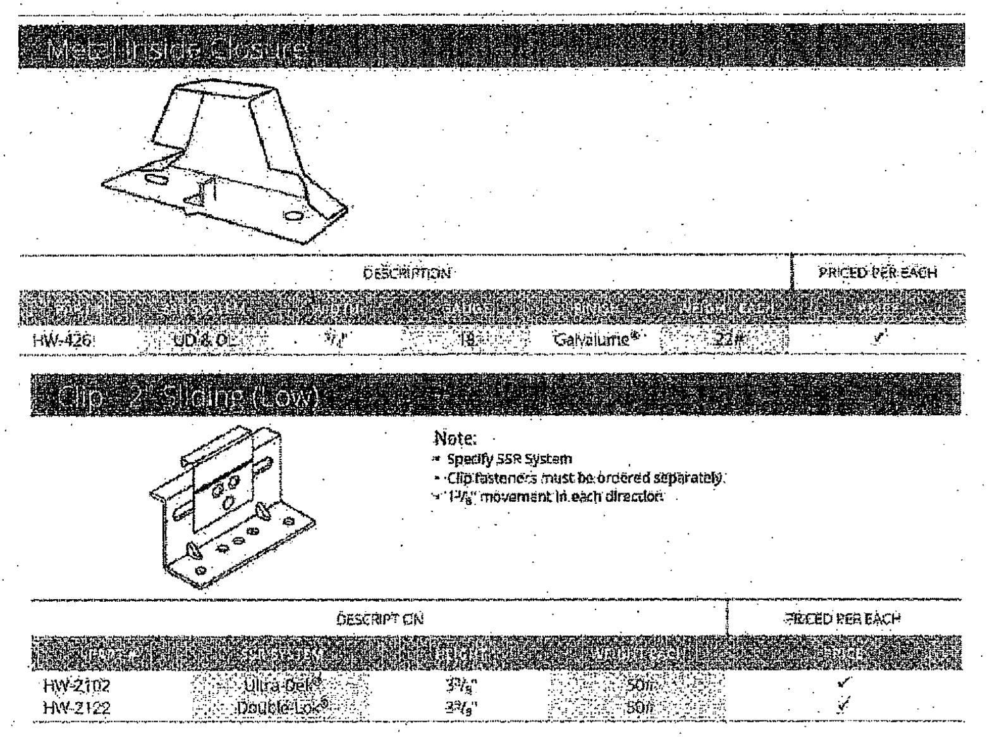
CHECKED BY JA/RT

DATE 2016/03/02

SHEET NO.
A4.0.1

SHEET OF SHEETS

ADDENDUM



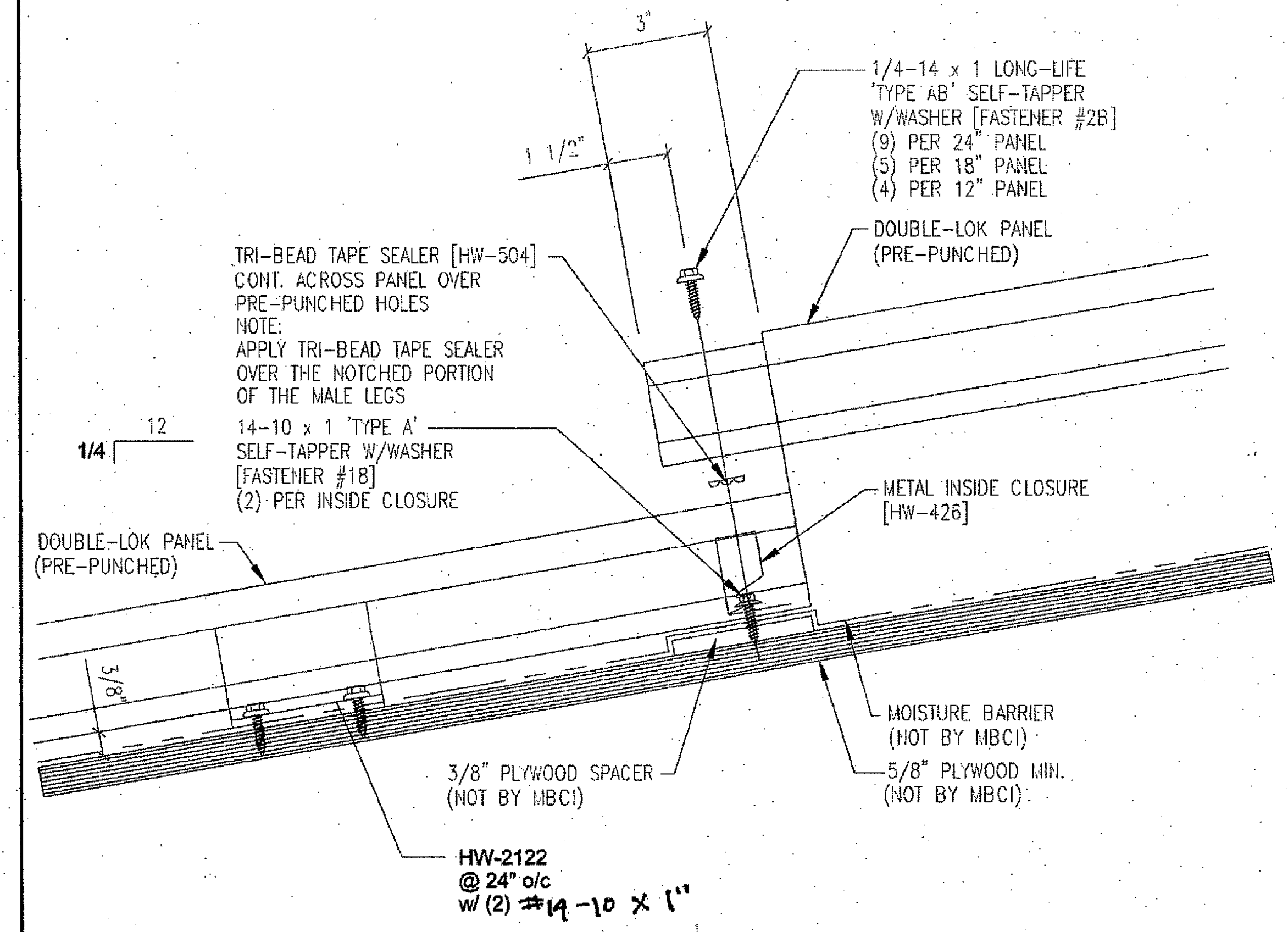
Metal Inside Closure

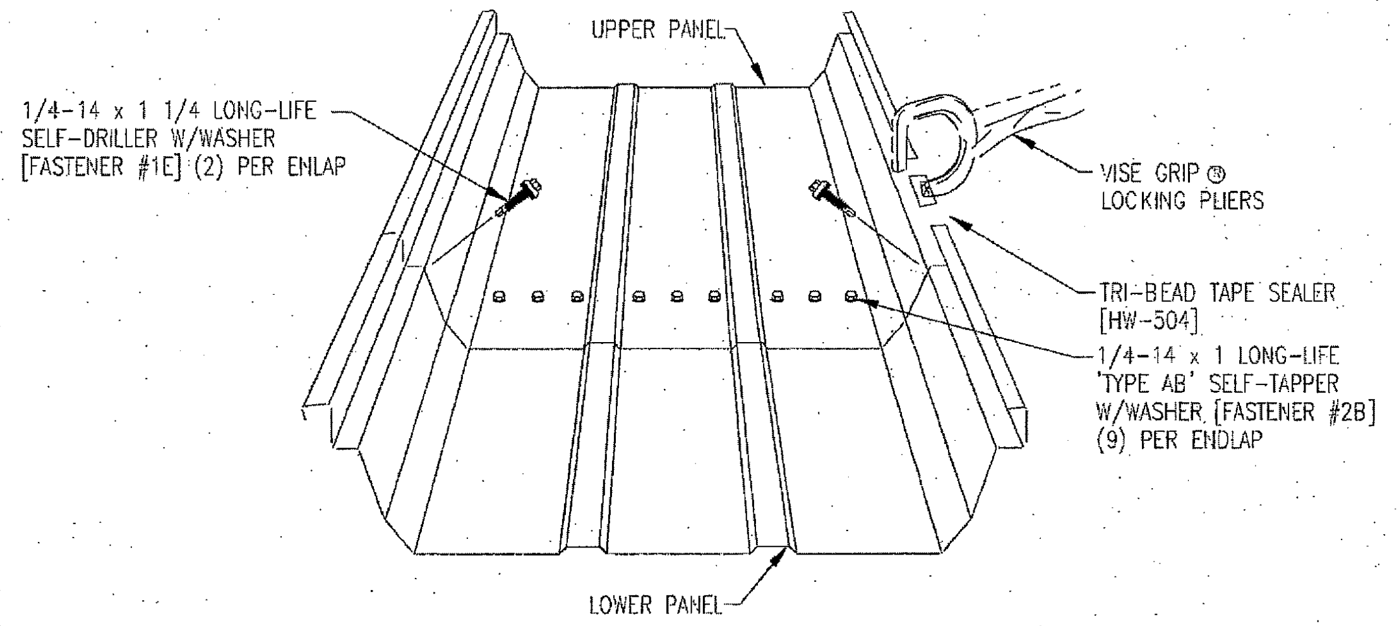
DESCRIPTION						PRICED PER EACH
HW-426	UD & DL	3/4"	18	Galvalume®	22#	✓

Clip - 2 Sliding (Low)

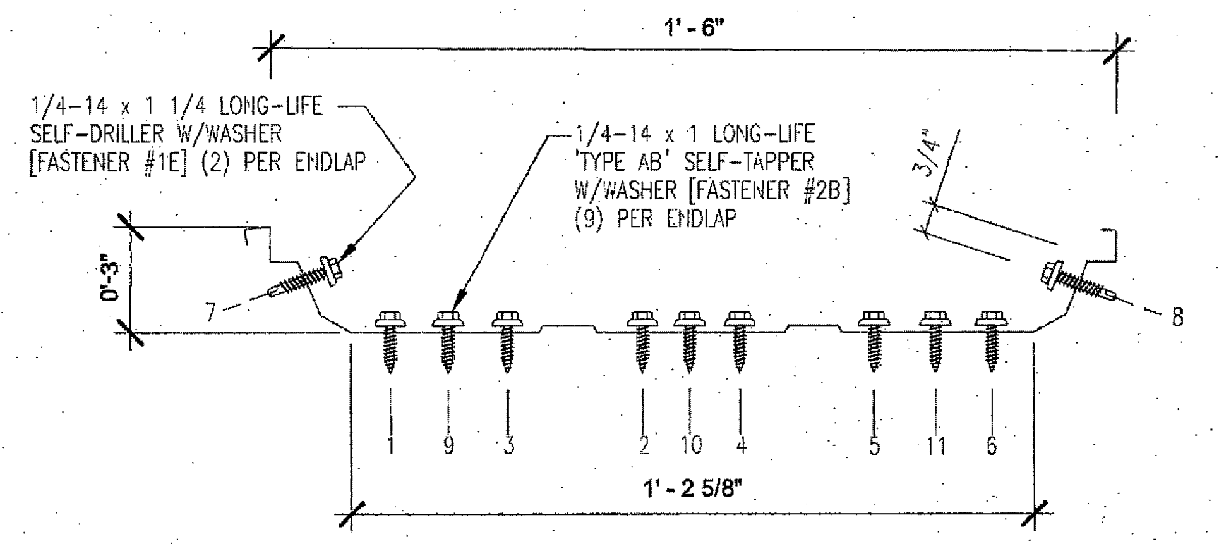
Note:
- Specify SSR System
- Clip fasteners must be ordered separately.
- 1 1/8" movement in each direction

DESCRIPTION				PRICED PER EACH
HW-2102	Ultra-Dek®	3 3/8"	50/[illegible]	✓
HW-2122	Double-Lok®	3 3/8"	50/[illegible]	✓


3"
1 1/2"
1/4-14 x 1 LONG-LIFE 'TYPE AB' SELF-TAPPER W/WASHER [FASTENER #2B] (9) PER 24" PANEL (5) PER 18" PANEL (4) PER 12" PANEL
DOUBLE-LOK PANEL (PRE-PUNCHED)
TRI-BEAD TAPE SEALER [HW-504] CONT. ACROSS PANEL OVER PRE-PUNCHED HOLES
NOTE: APPLY TRI-BEAD TAPE SEALER OVER THE NOTCHED PORTION OF THE MALE LEGS
1/4 12
14-10 x 1 'TYPE A' SELF-TAPPER W/WASHER [FASTENER #18] (2) PER INSIDE CLOSURE
METAL INSIDE CLOSURE [HW-426]
DOUBLE-LOK PANEL (PRE-PUNCHED)
3/8"
MOISTURE BARRIER (NOT BY MBCI)
3/8" PLYWOOD SPACER (NOT BY MBCI)
5/8" PLYWOOD MIN. (NOT BY MBCI)
HW-2122 @ 24" o/c w/ (2) #14-10 x 1"


UPPER PANEL
1/4-14 x 1 1/4 LONG-LIFE SELF-DRILLER W/WASHER [FASTENER #1E] (2) PER ENLAP
VISE GRIP ® LOCKING PLIERS
TRI-BEAD TAPE SEALER [HW-504]
1/4-14 x 1 LONG-LIFE 'TYPE AB' SELF-TAPPER W/WASHER [FASTENER #2B] (9) PER ENDLAP
LOWER PANEL

PANEL INSTALLATION SEQUENCE


1' - 6"
1/4-14 x 1 1/4 LONG-LIFE SELF-DRILLER W/WASHER [FASTENER #1E] (2) PER ENDLAP
1/4-14 x 1 LONG-LIFE 'TYPE AB' SELF-TAPPER W/WASHER [FASTENER #2B] (9) PER ENDLAP
3/4"
0'-3"
7
8
1 9 3 2 10 4 5 11 6
1' - 2 5/8"

FASTENER SEQUENCE @ ENDLAP

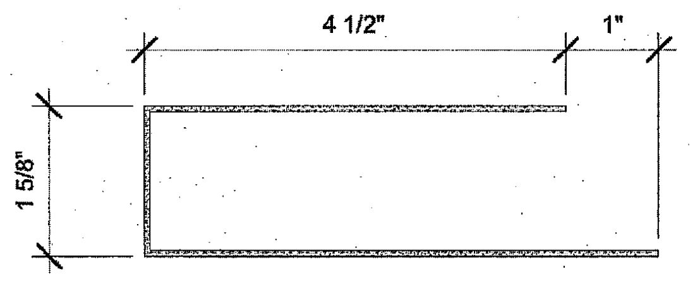
18" DOUBLE-LOK 22GA STANDING SEAM PANEL BY MBCI

NEG		POS	
t	= 0.0299"	t	= 0.0299"
S_x	= 0.1846 IN³	S_x	= 0.2154 IN³
I_x	= 0.2718 IN⁴	I_x	= 0.4968 IN⁴
F_y	= 50 KSI	F_y	= 50 KSI

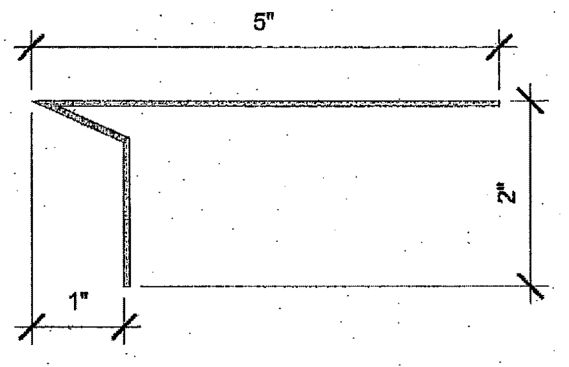
18" 26GA STANDING SEAM PANEL

NEG		POS	
t	= 0.018"	t	= 0.018"
S_x	= 0.1383 IN³	S_x	= 0.7560 IN³
I_x	= 0.351 IN ⁴	I_x	= 0.351 IN ⁴
F_y	= 33 KSI	F_y	= 33 KSI

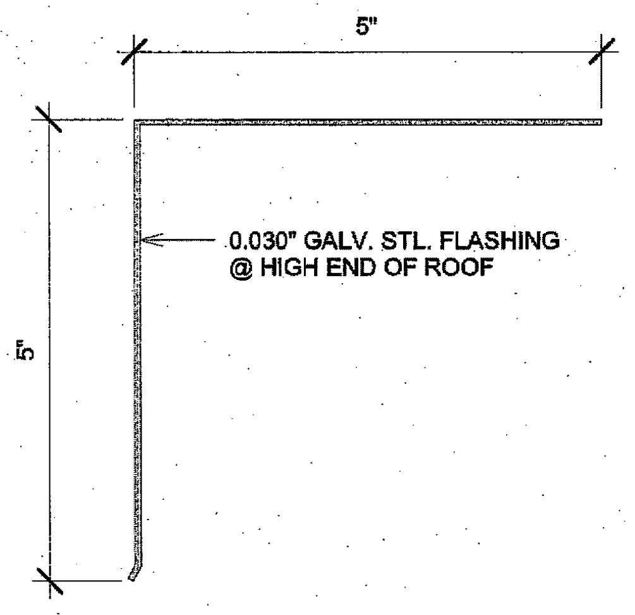
7 *3" = 1'-0"*
Standing Seam



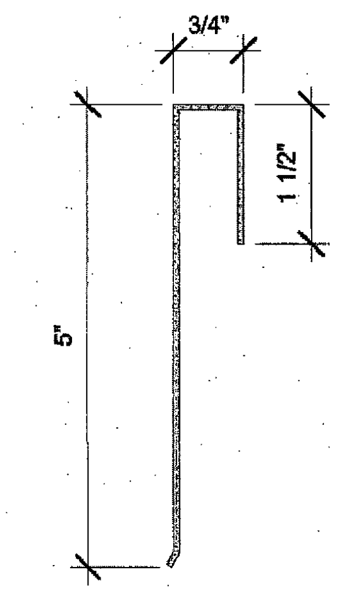
14 *6" = 1'-0"*
FLASHING @ ROOF HIGH SIDE



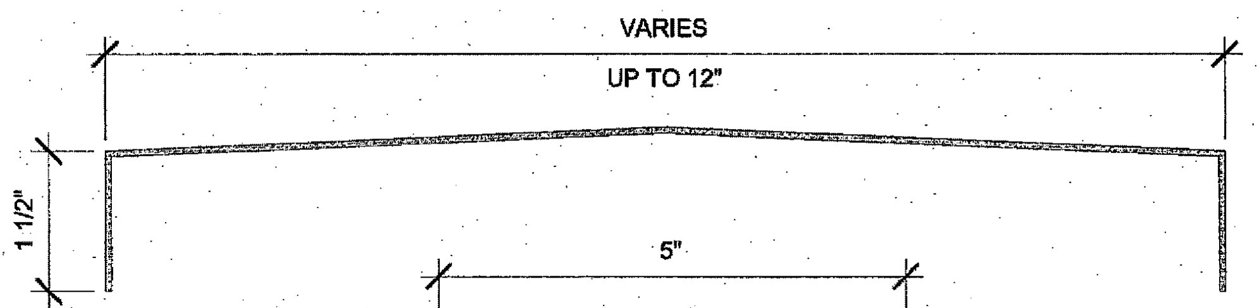
13 *6" = 1'-0"*
FLASHING @ ROOF LOW SIDE

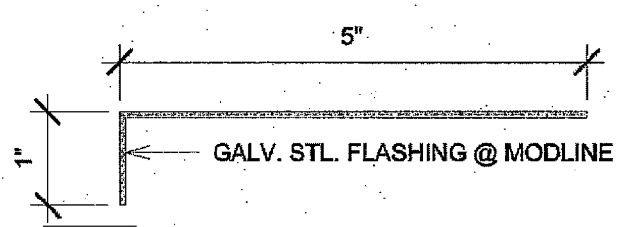


12 *6" = 1'-0"*
ROOF FLASHING



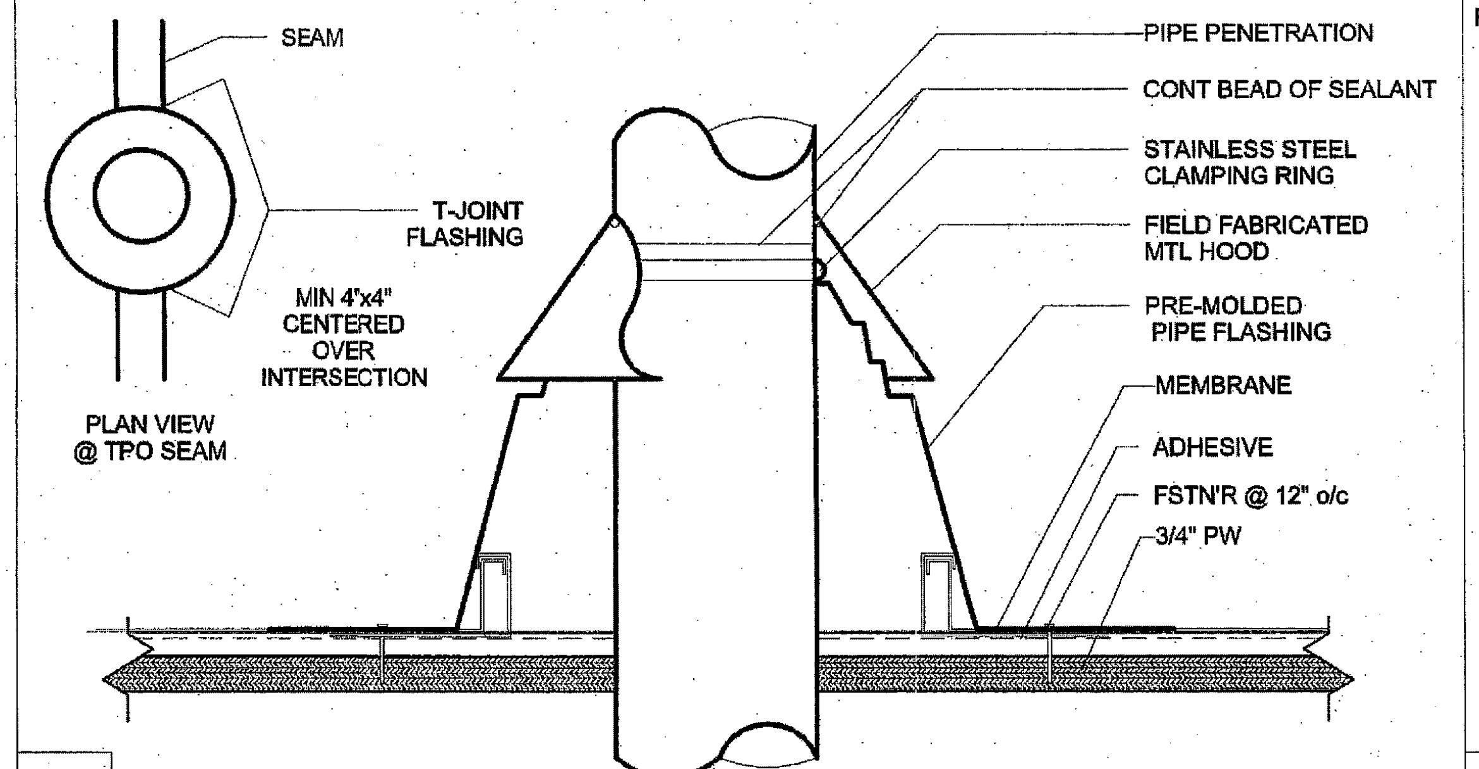
11 *6" = 1'-0"*
ROOF FLASHING @ SIDEWALL





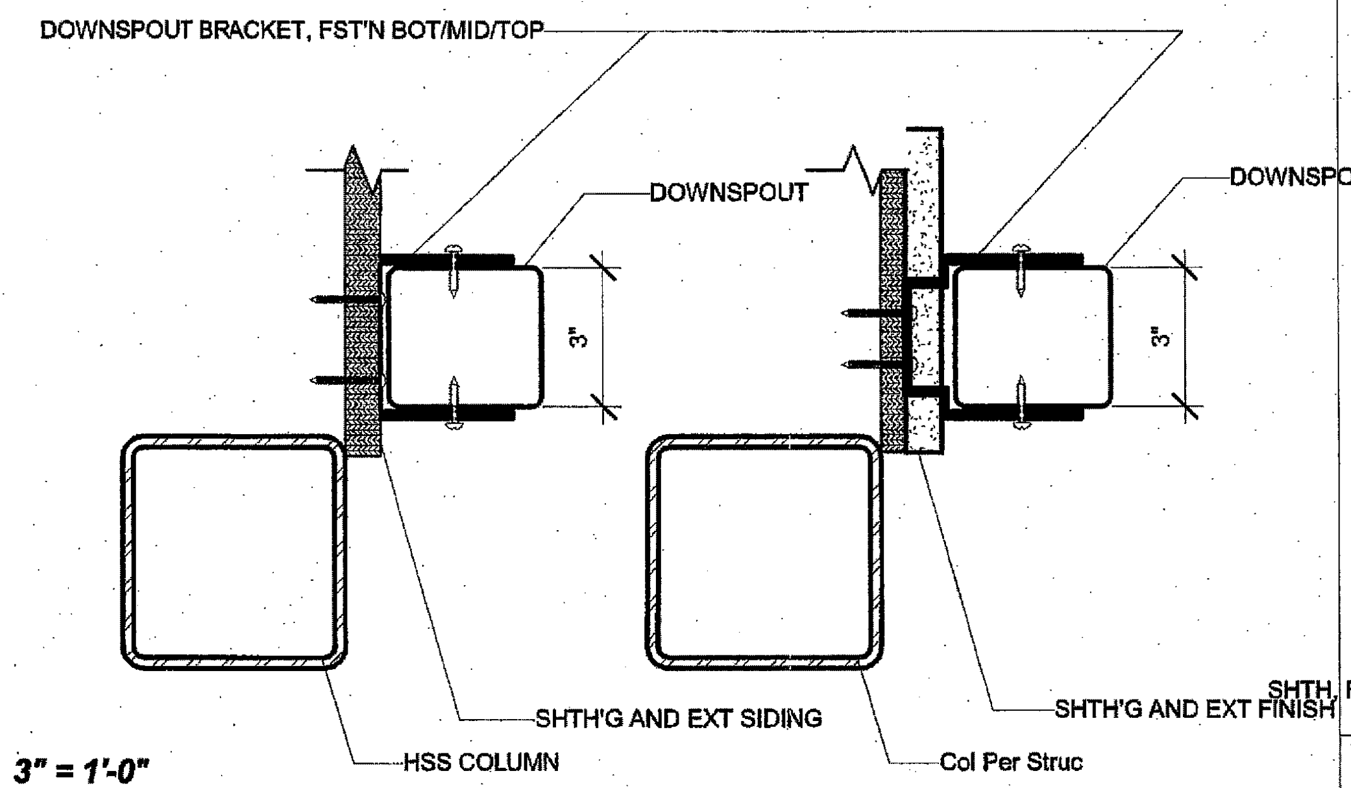
10A *6" = 1'-0"*
FLASHING @ MODLINE WALL

10 *6" = 1'-0"*
ROOF CAP @ MODLINE

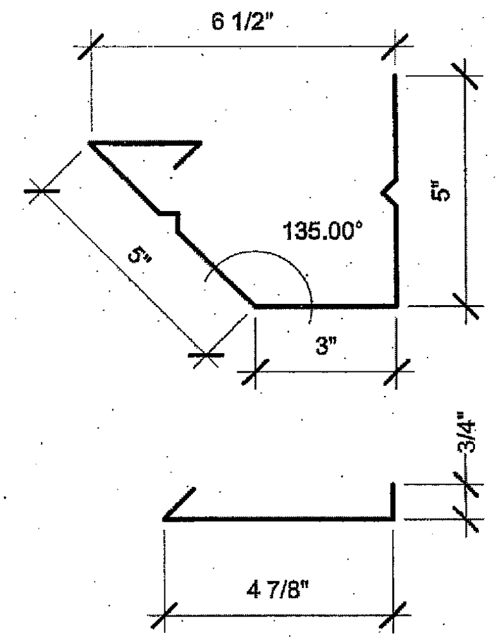


9 *3" = 1'-0"*
Pipe Penetration Standing Seam

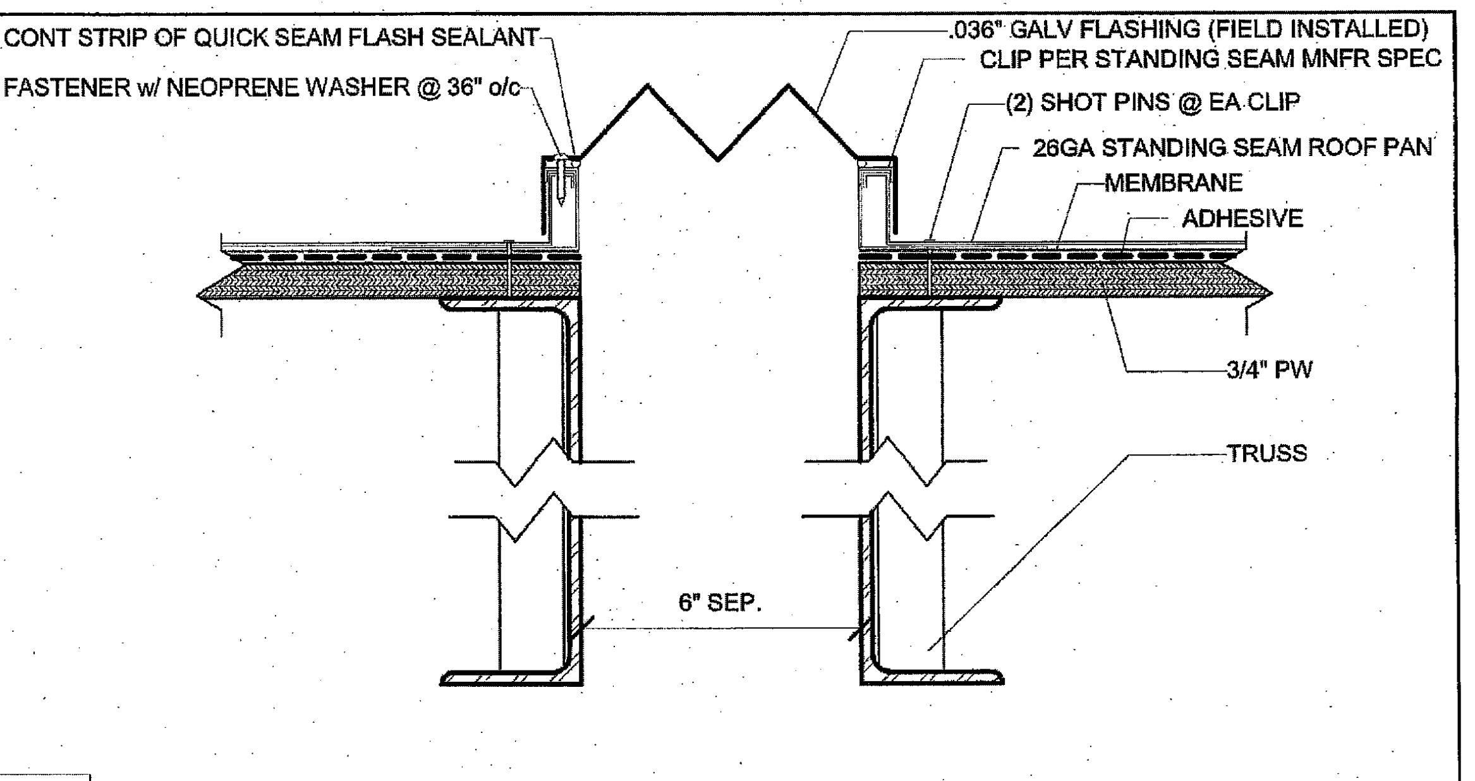
ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS



8 *3" = 1'-0"*
Downspout Mount1

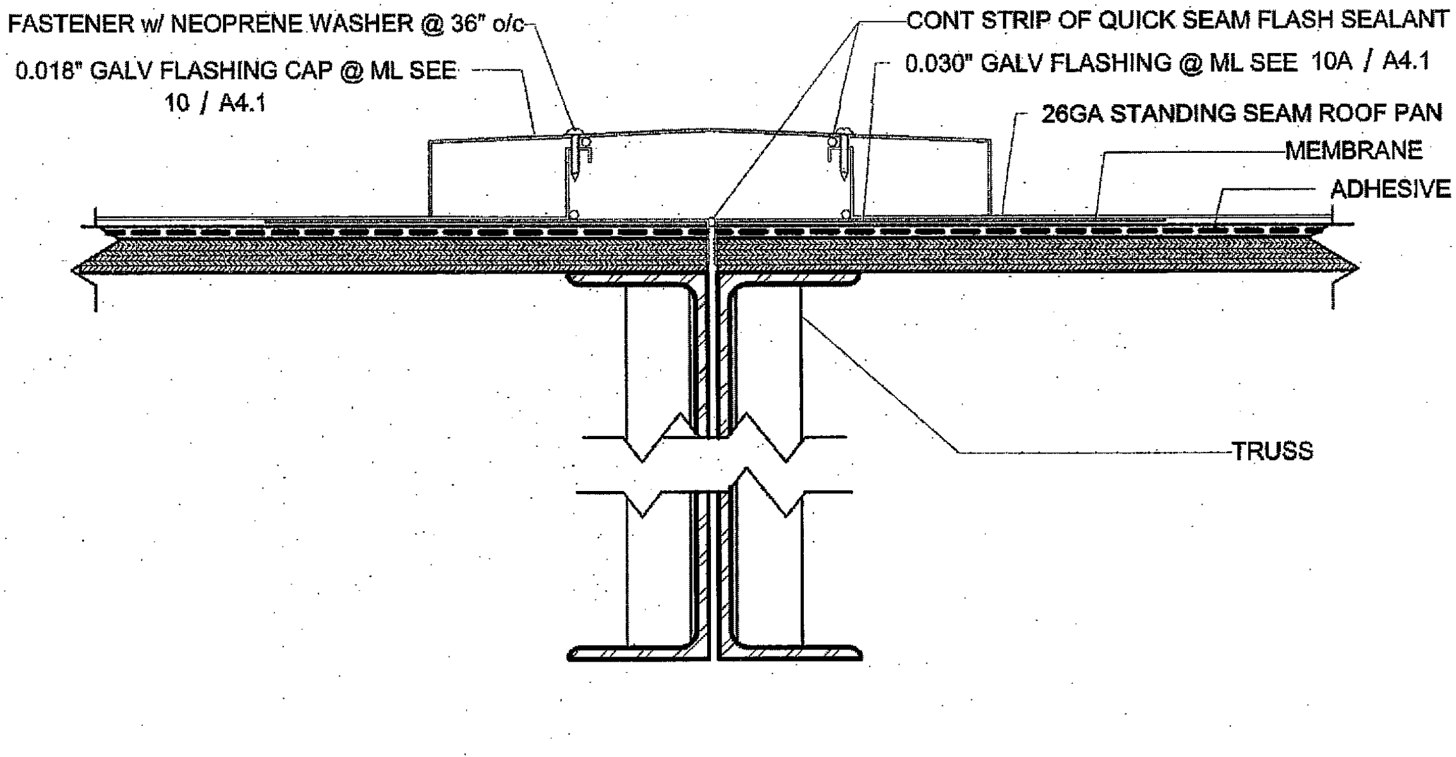


6 *3" = 1'-0"*
Gutter and Strap1


CONT STRIP OF QUICK SEAM FLASH SEALANT
FASTENER w/ NEOPRENE WASHER @ 36" o/c
.036" GALV FLASHING (FIELD INSTALLED)
CLIP PER STANDING SEAM MNFR SPEC
(2) SHOT PINS @ EA CLIP
26GA STANDING SEAM ROOF PAN
MEMBRANE
ADHESIVE
3/4" PW
TRUSS
6" SEP.

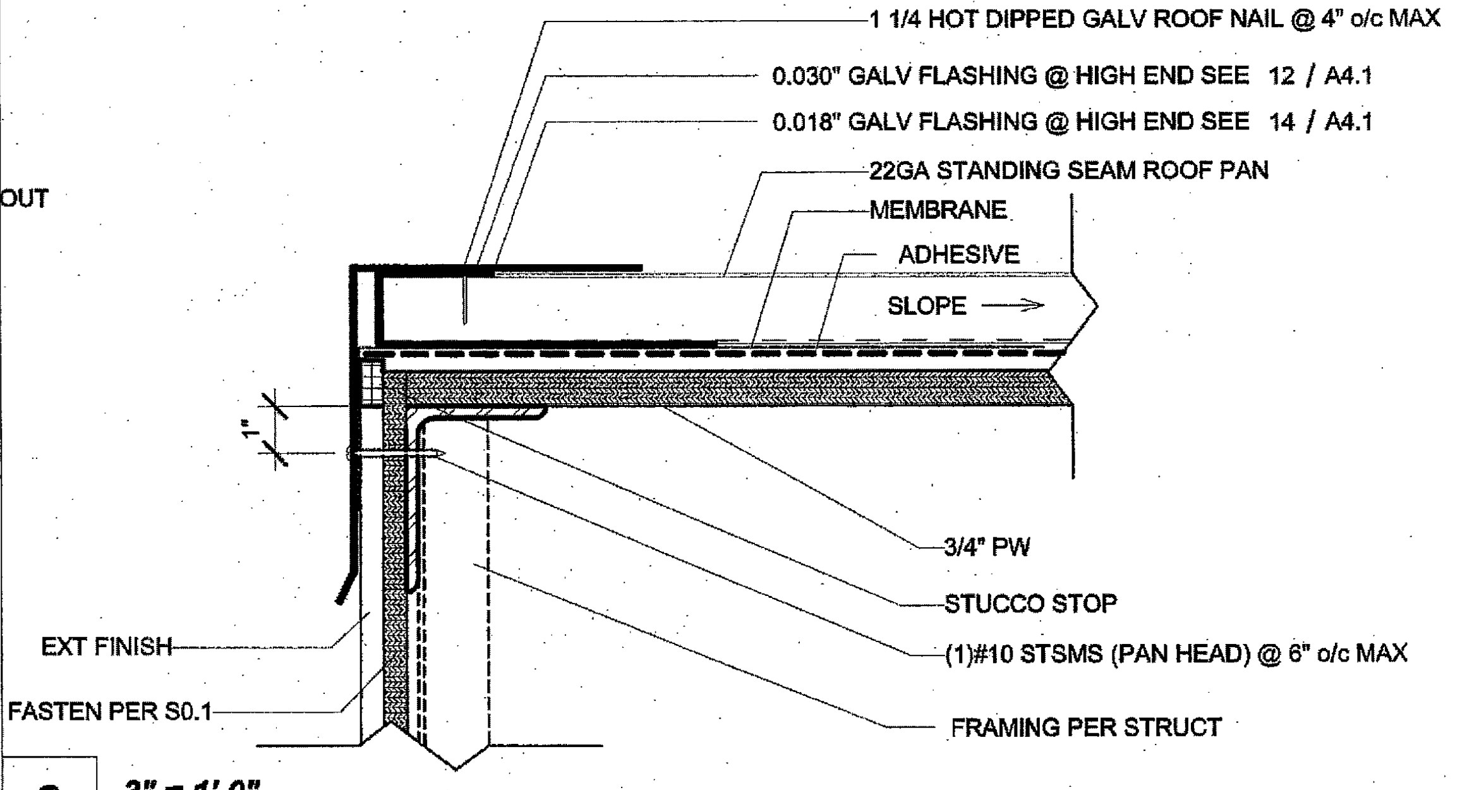
5 *3" = 1'-0"*
Roof @ Mateline Std'g Seam w/ 6" Sep

ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS


FASTENER w/ NEOPRENE WASHER @ 36" o/c
0.018" GALV FLASHING CAP @ ML SEE 10 / A4.1
CONT STRIP OF QUICK SEAM FLASH SEALANT
0.030" GALV FLASHING @ ML SEE 10A / A4.1
26GA STANDING SEAM ROOF PAN
MEMBRANE
ADHESIVE
TRUSS

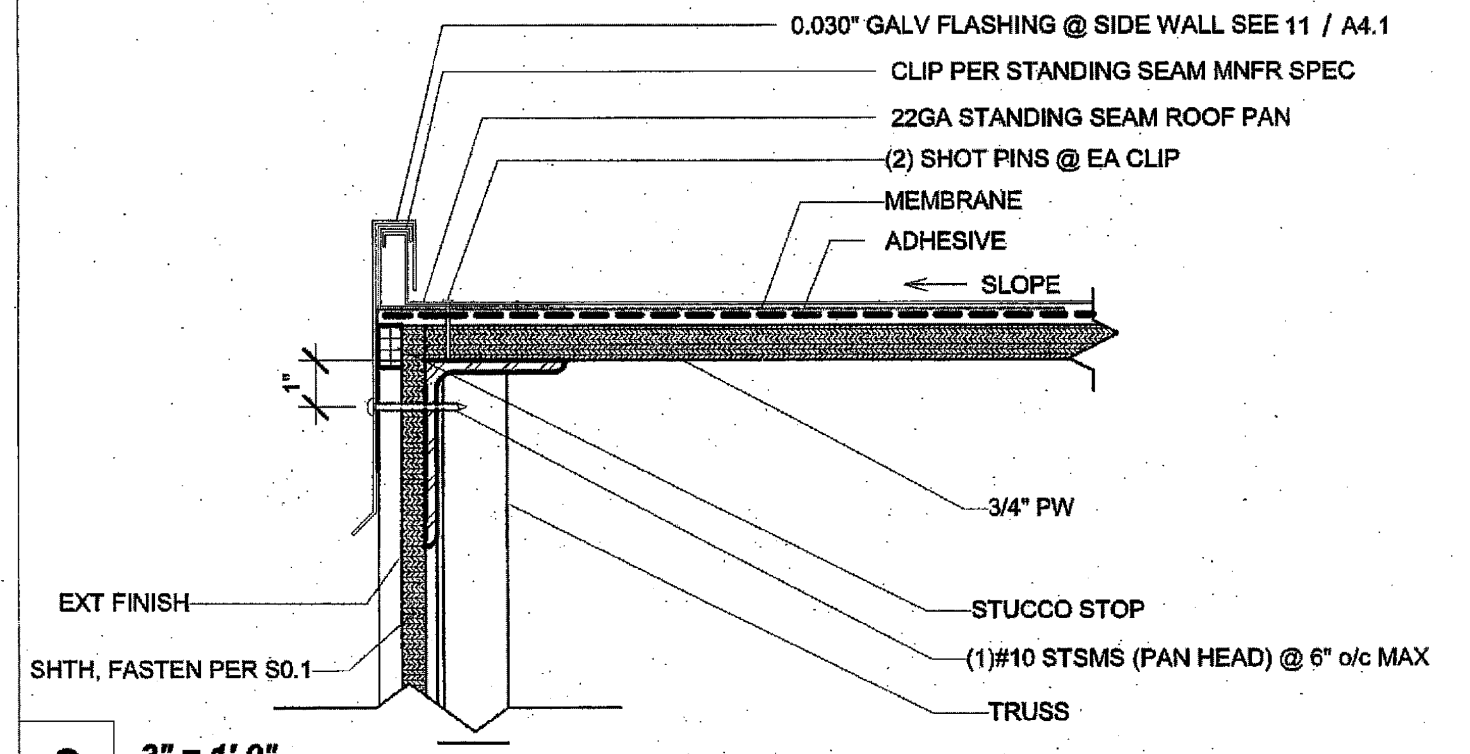
4 *3" = 1'-0"*
Roof @ Standing Seam Mateline

ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS


1 1/4 HOT DIPPED GALV ROOF NAIL @ 4" o/c MAX
0.030" GALV FLASHING @ HIGH END SEE 12 / A4.1
0.018" GALV FLASHING @ HIGH END SEE 14 / A4.1
22GA STANDING SEAM ROOF PAN
MEMBRANE
ADHESIVE
SLOPE
1"
3/4" PW
STUCCO STOP
(1)#10 STSMS (PAN HEAD) @ 6" o/c MAX
FRAMING PER STRUCT
EXT FINISH
SHTH, FASTEN PER S0.1

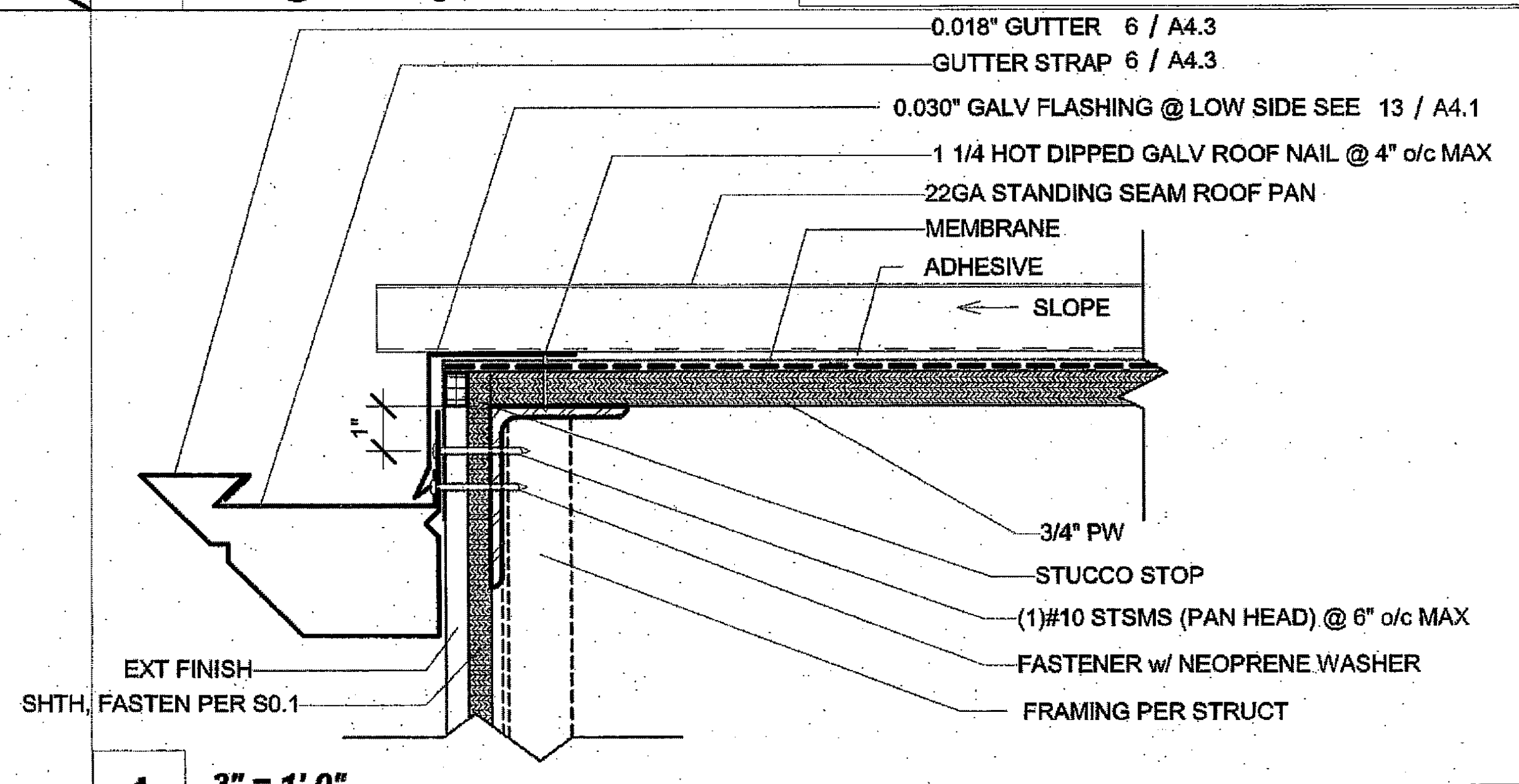
3 *3" = 1'-0"*
Roof @ Endwall Std'g Seam (High End)

ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS


0.030" GALV FLASHING @ SIDE WALL SEE 11 / A4.1
CLIP PER STANDING SEAM MNFR SPEC
22GA STANDING SEAM ROOF PAN
(2) SHOT PINS @ EA CLIP
MEMBRANE
ADHESIVE
SLOPE
1"
3/4" PW
EXT FINISH
STUCCO STOP
SHTH, FASTEN PER S0.1
(1)#10 STSMS (PAN HEAD) @ 6" o/c MAX
TRUSS

2 *3" = 1'-0"*
Roof @ Standing Seam Sidwall

ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS


0.018" GUTTER 6 / A4.3
GUTTER STRAP 6 / A4.3
0.030" GALV FLASHING @ LOW SIDE SEE 13 / A4.1
1 1/4 HOT DIPPED GALV ROOF NAIL @ 4" o/c MAX
22GA STANDING SEAM ROOF PAN
MEMBRANE
ADHESIVE
SLOPE
1"
3/4" PW
STUCCO STOP
(1)#10 STSMS (PAN HEAD) @ 6" o/c MAX
EXT FINISH
FASTENER w/ NEOPRENE WASHER
SHTH, FASTEN PER S0.1
FRAMING PER STRUCT

1 *3" = 1'-0"*
Roof @ Endwall Std'g Seam (Low End)

ALL FSTN'G & WATER PROOF'G/FLASHING PER MNFR SPECS

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3380

03/02/2016

CLIENT

CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS 82 FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
ROOF DETAILS
(STANDING SEAM)

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A4.1

SHEET OF SHEETS

ADDENDUM

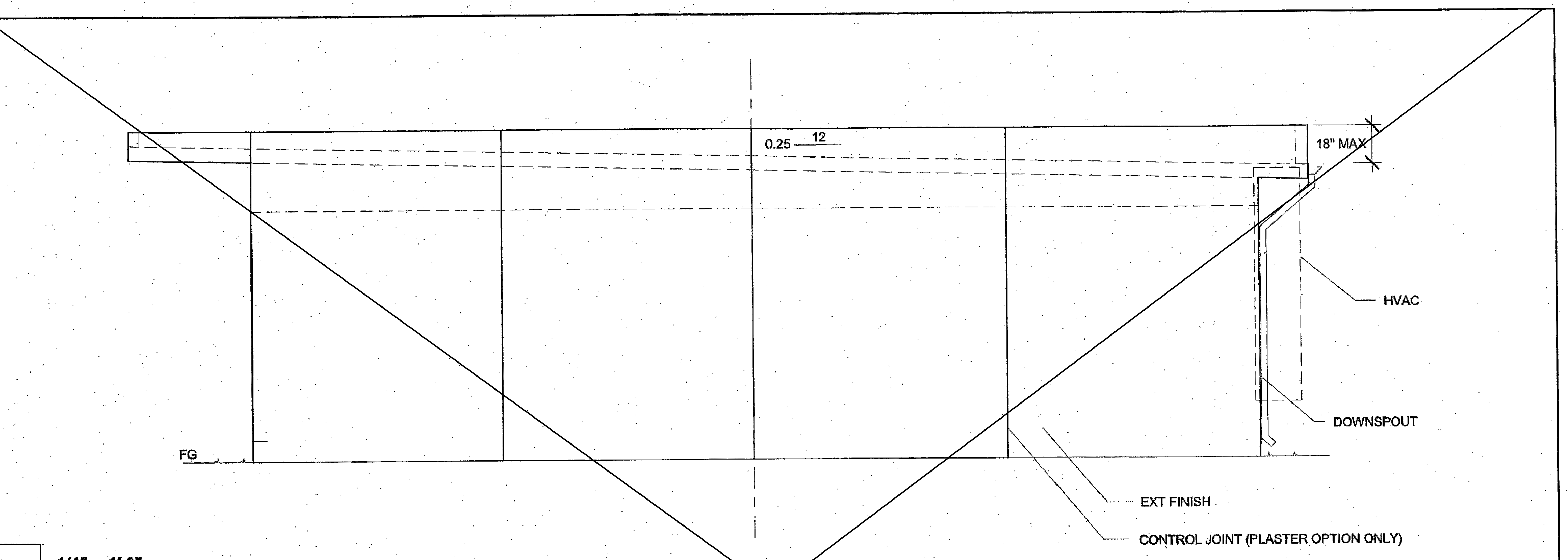
	Ext. Finish Schedule		
	Finishes	Sheet	Notes
☐	SIDING OVER WD STUDS	A2.1	
☐	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2	
☐	SIDING OVER STL STUDS	A2.3	
☐	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.4	

9 *1/4" = 1'-0"*
Ext. Finish Scedule

	Fire Rating Schedule		
	Rating	Sheet	Notes
☐	1 HOUR - SIDING OVER WD STUDS	A2.5	
☐	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6	
☐	1 HOUR - SIDING OVER STL STUDS	A2.7	
☐	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.8	

SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS

10 *1/4" = 1'-0"*
Fire Rating Scedule



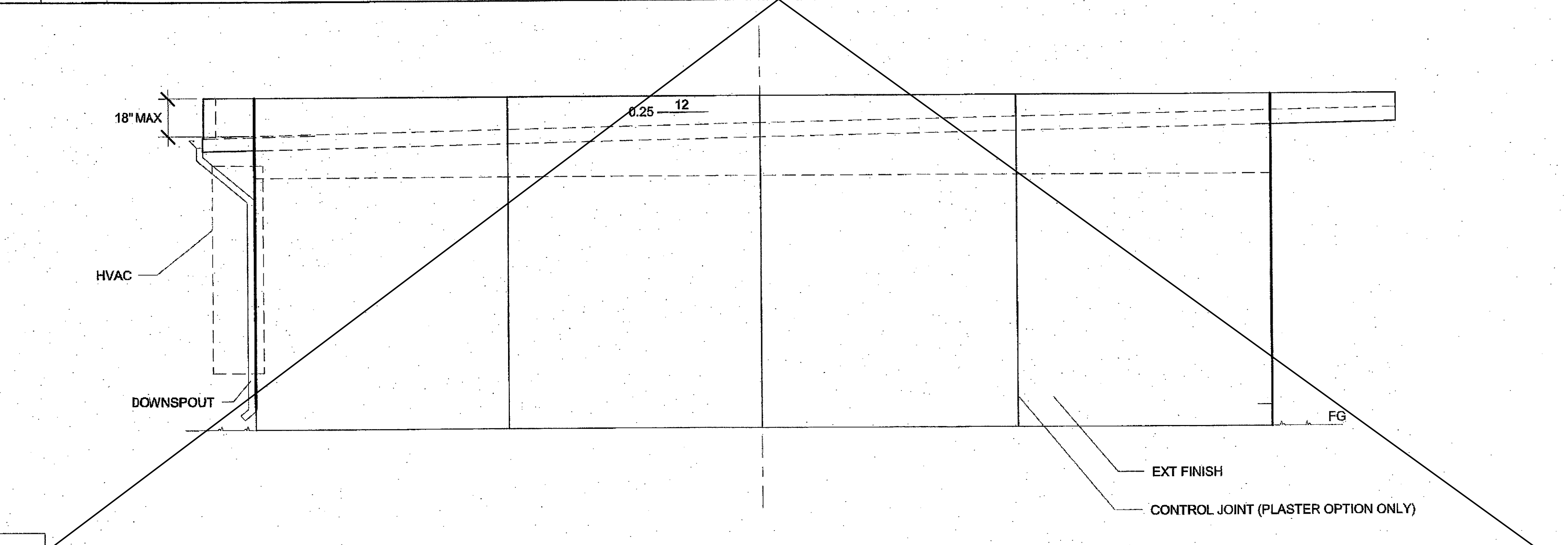
4 *1/4" = 1'-0"*
Right Elevation (Mono w/ Parapet)

SEE A0.1 FOR GENERAL NOTES

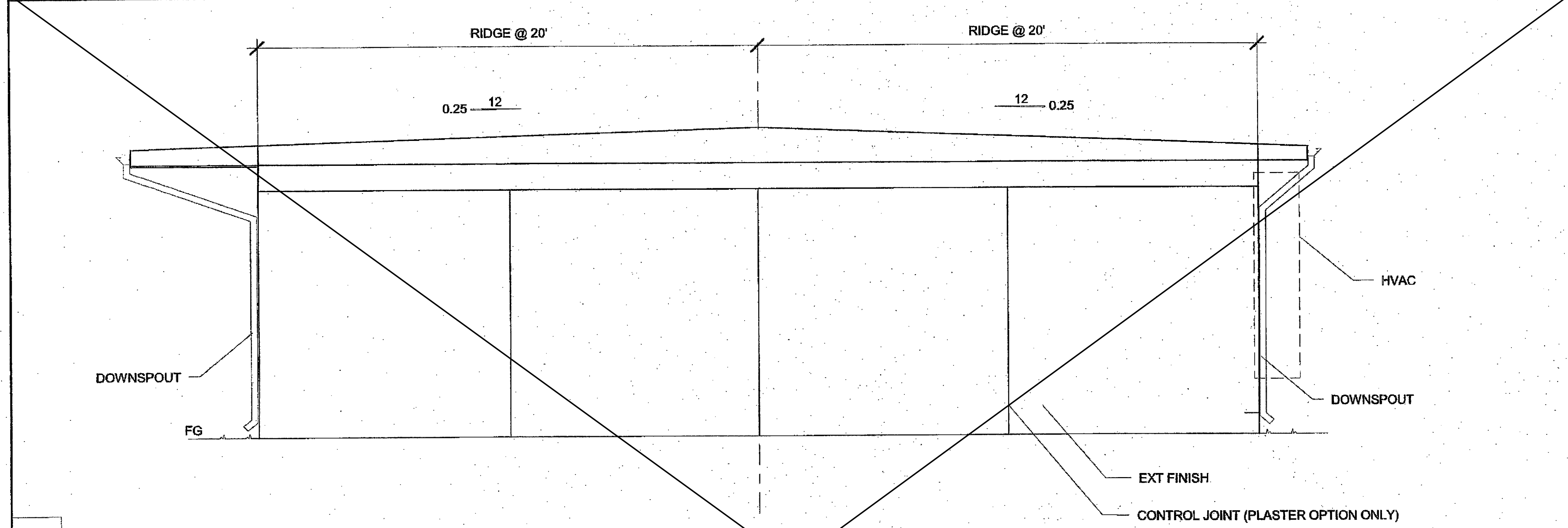
7 *3" = 1'-0"*
Notes A5.0

	Wall Schedule		
	Stud Size	Sheet	Notes
☐	Wood Wall Stud	S4.5	
☐	Mtl Wall Stud	S4.5	

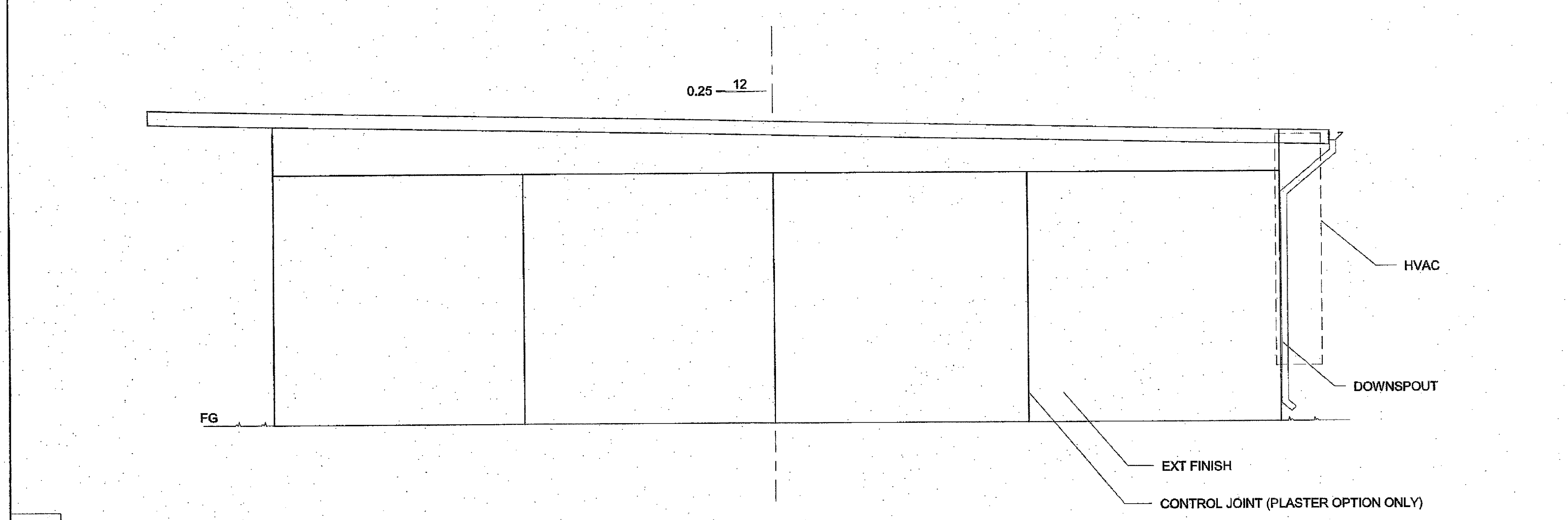
8 *1/4" = 1'-0"*
Wall Schedule



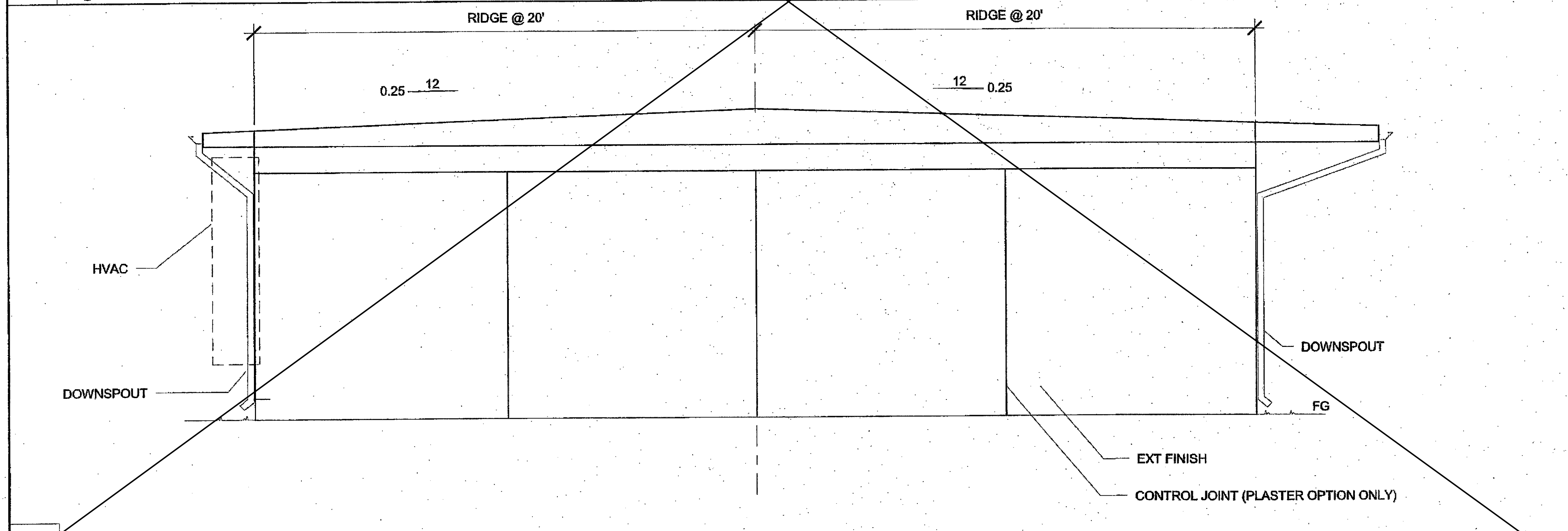
3 *1/4" = 1'-0"*
Left Elevation (Mono w/ Parapet)



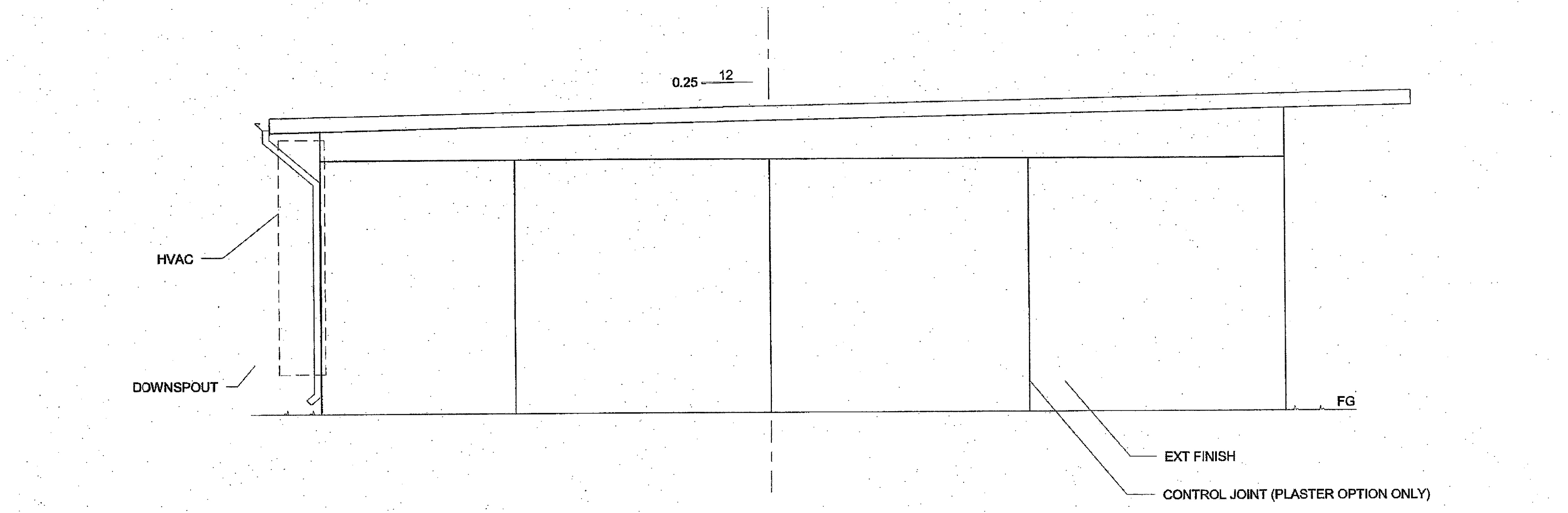
6 *1/4" = 1'-0"*
Right Elevation (Dual)



2 *1/4" = 1'-0"*
Right Elevation (Mono)



5 *1/4" = 1'-0"*
Left Elevation (Dual)



1 *1/4" = 1'-0"*
Left Elevation (Mono)

C:\Users\Rick\Documents\15046 - Aries, 24x40 PC - MainFile_Rick.rvt

3/9/2016 12:14:47 PM

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRASER
No. S5580
03/02/2016

CLIENT

CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 18 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
SIDEWALL
ELEVATION

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

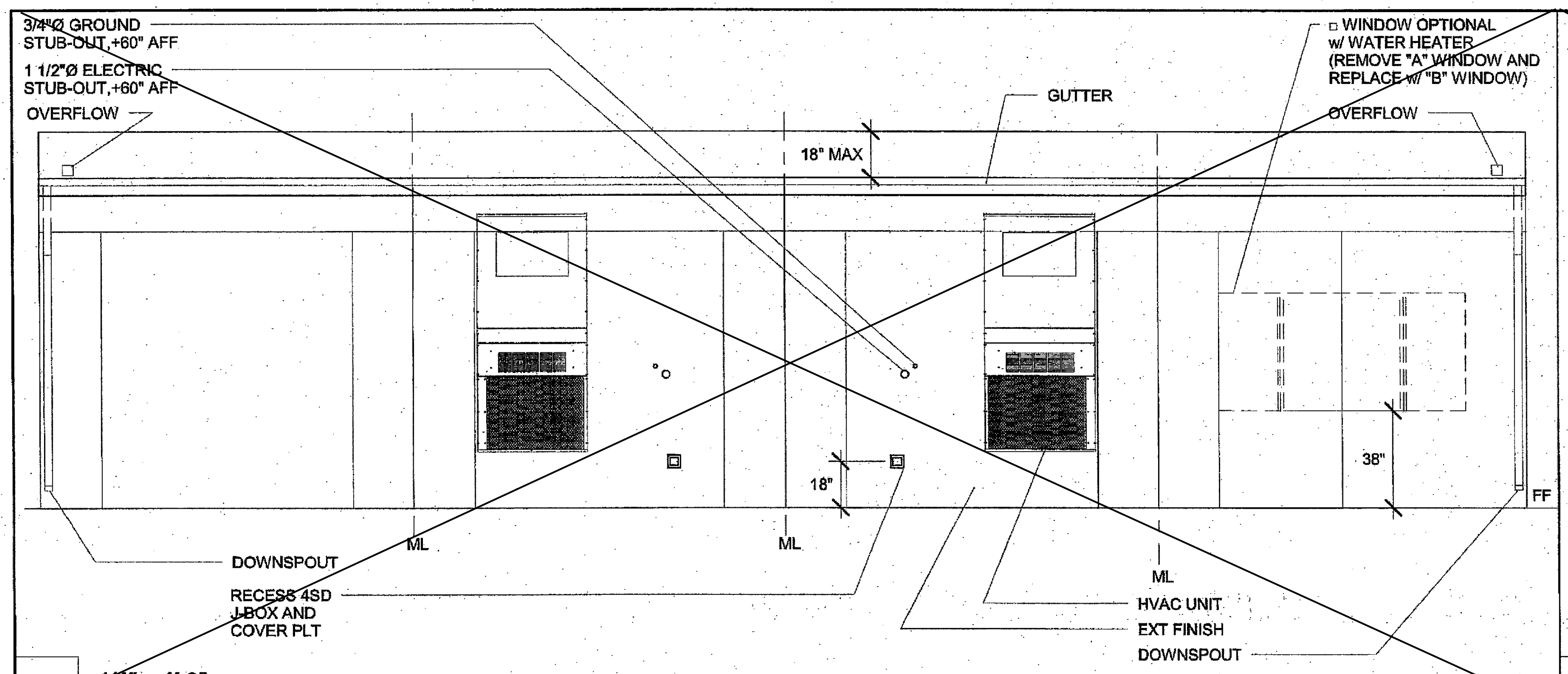
CHECKED BY
JA/RT

DATE
2016/03/02

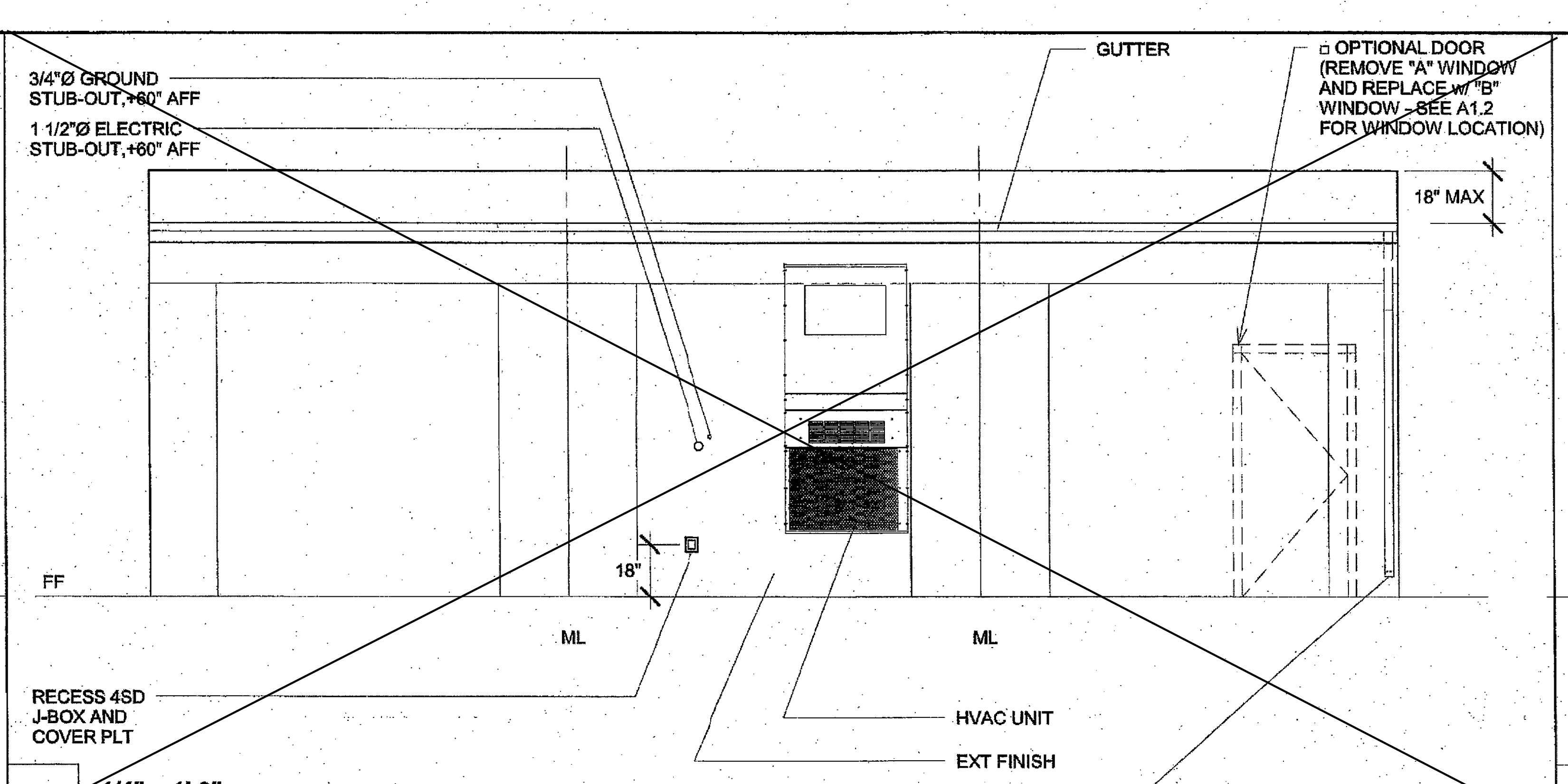
SHEET NO.
A5.0

SHEET OF SHEETS

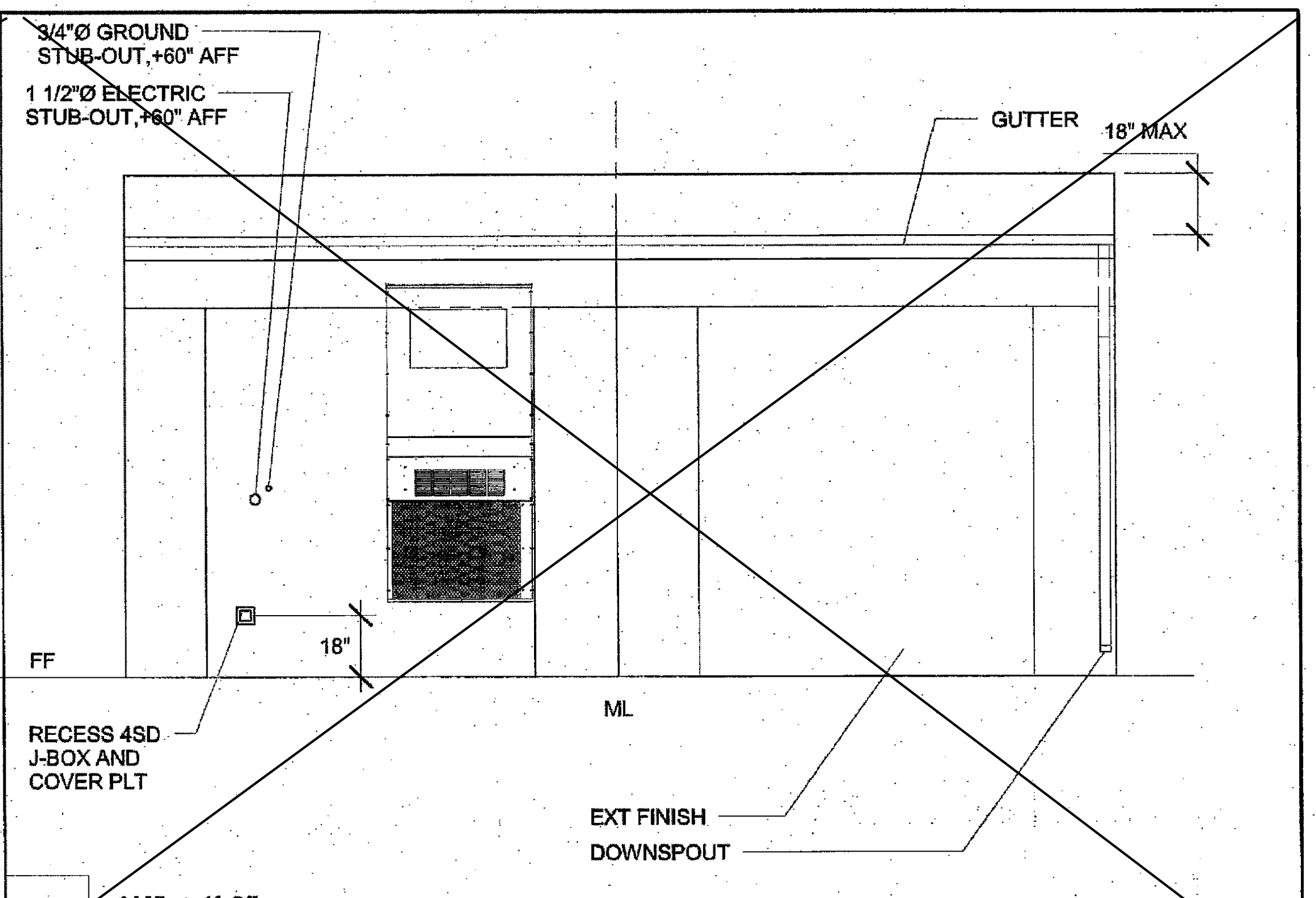
ADDENDUM


3/4"Ø GROUND STUB-OUT,+60" AFF
1 1/2"Ø ELECTRIC STUB-OUT,+60" AFF
OVERFLOW
GUTTER
18" MAX
□ WINDOW OPTIONAL w/ WATER HEATER (REMOVE "A" WINDOW AND REPLACE w/ "B" WINDOW)
OVERFLOW
18"
38"
FF
ML
ML
ML
DOWNSPOUT
RECESS 4SD J-BOX AND COVER PLT
HVAC UNIT
EXT FINISH
DOWNSPOUT

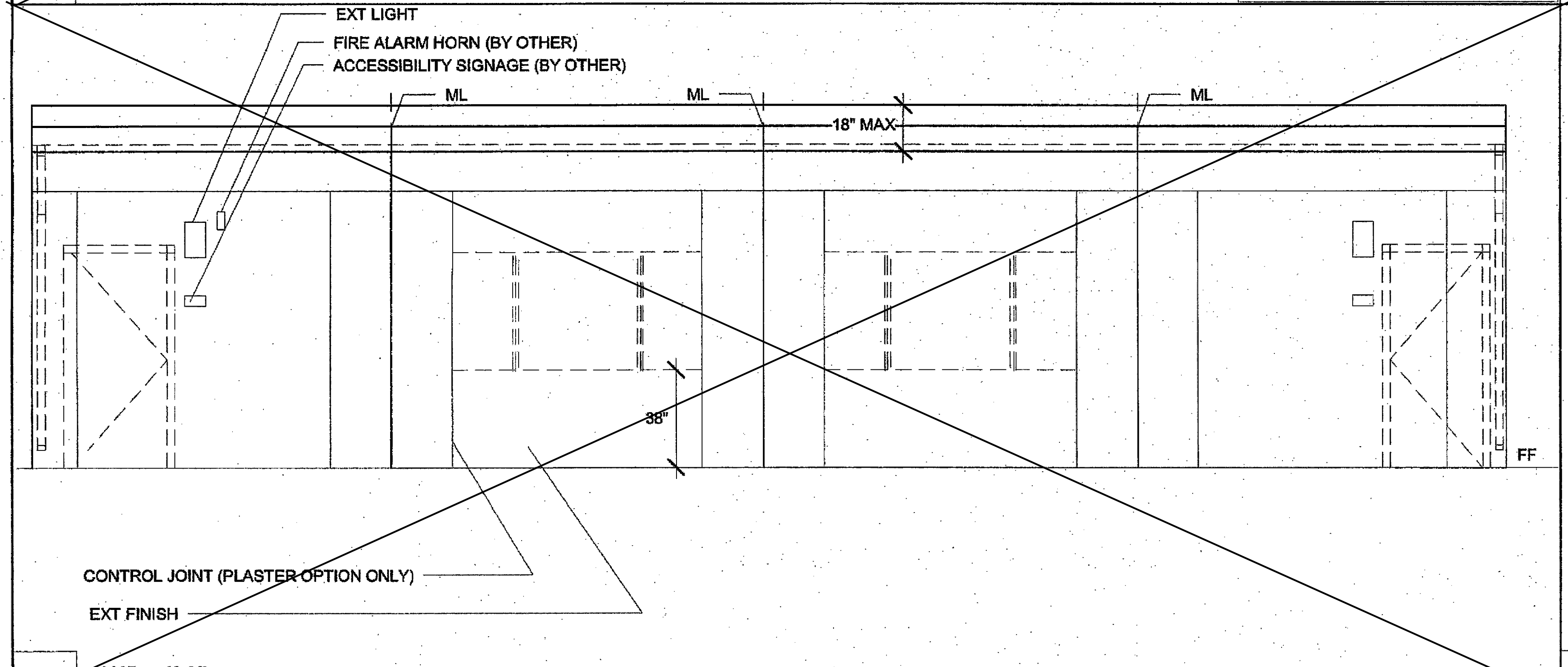
12 *1/4" = 1'-0"* ***48x40 Rear w/ Parapet Elevation (Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


3/4"Ø GROUND STUB-OUT,+60" AFF
1 1/2"Ø ELECTRIC STUB-OUT,+60" AFF
GUTTER
□ OPTIONAL DOOR (REMOVE "A" WINDOW AND REPLACE w/ "B" WINDOW - SEE A1.2 FOR WINDOW LOCATION)
18" MAX
FF
18"
ML
ML
RECESS 4SD J-BOX AND COVER PLT
HVAC UNIT
EXT FINISH
DOWNSPOUT

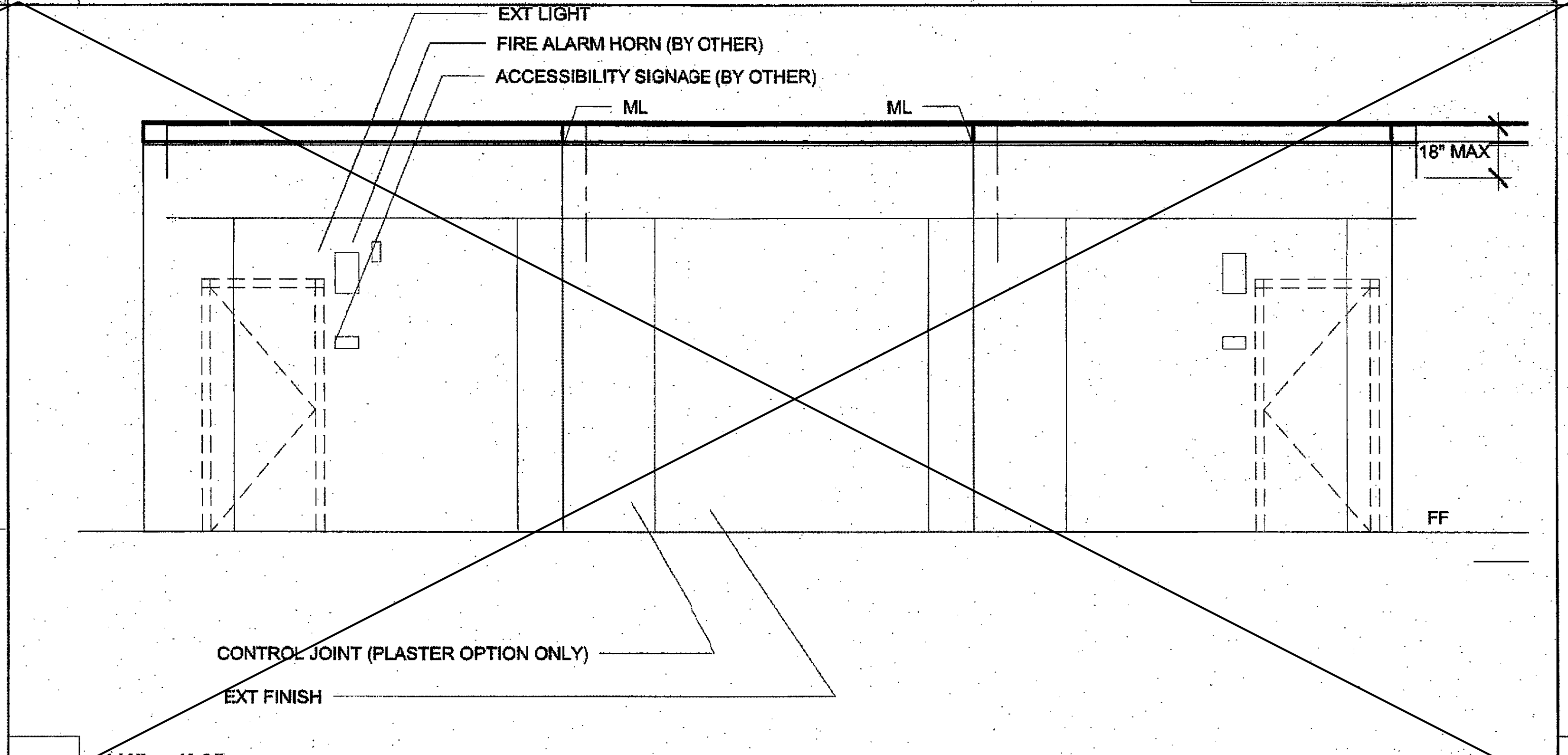
8 *1/4" = 1'-0"* ***36x40 Rear Elevation w/ Parapet (Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


3/4"Ø GROUND STUB-OUT,+60" AFF
1 1/2"Ø ELECTRIC STUB-OUT,+60" AFF
GUTTER
18" MAX
FF
18"
ML
RECESS 4SD J-BOX AND COVER PLT
EXT FINISH
DOWNSPOUT

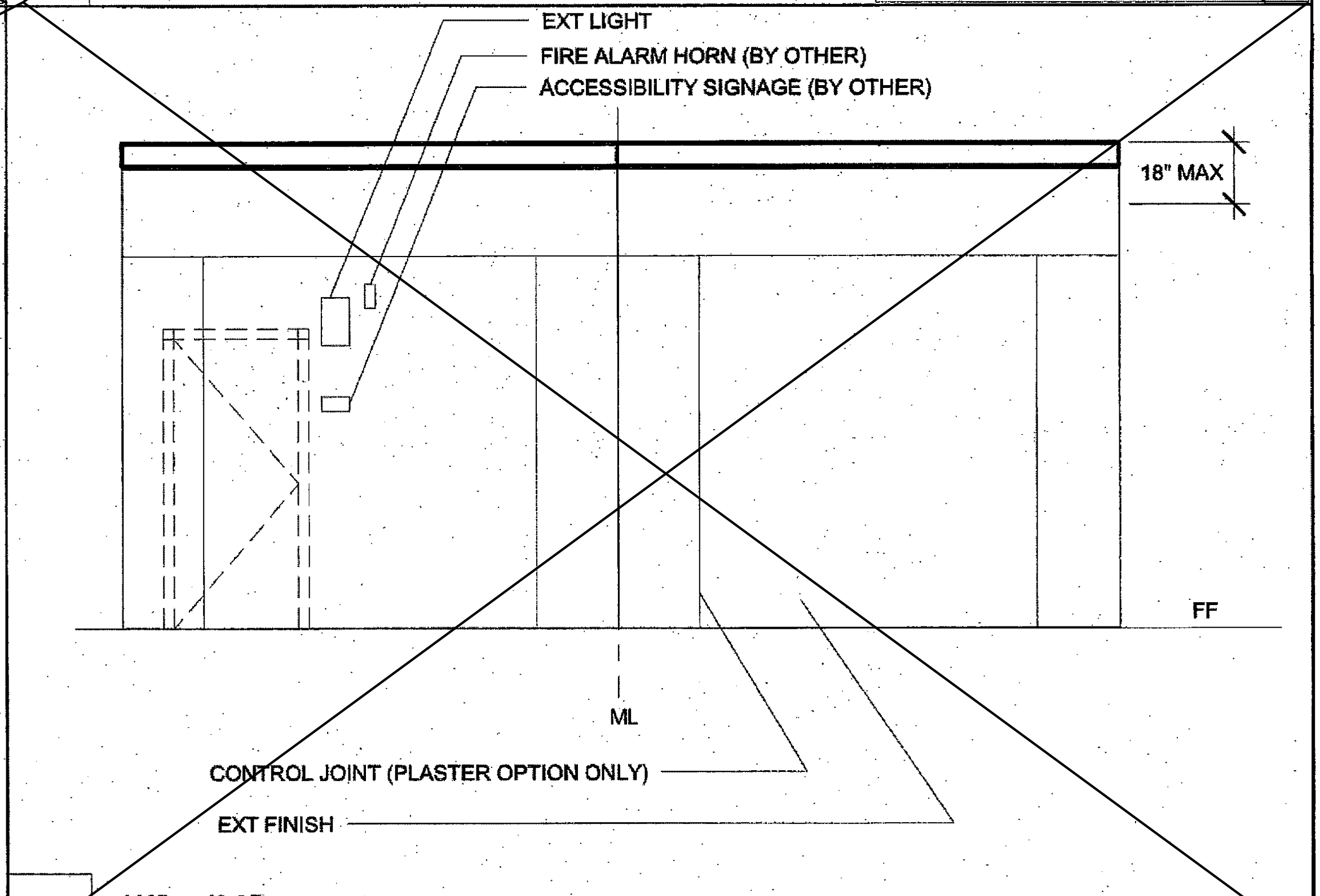
4 *1/4" = 1'-0"* ***24x40 Rear Elevation w/ Parapet (Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


EXT LIGHT
FIRE ALARM HORN (BY OTHER)
ACCESSIBILITY SIGNAGE (BY OTHER)
ML
ML
ML
18" MAX
38"
FF
CONTROL JOINT (PLASTER OPTION ONLY)
EXT FINISH

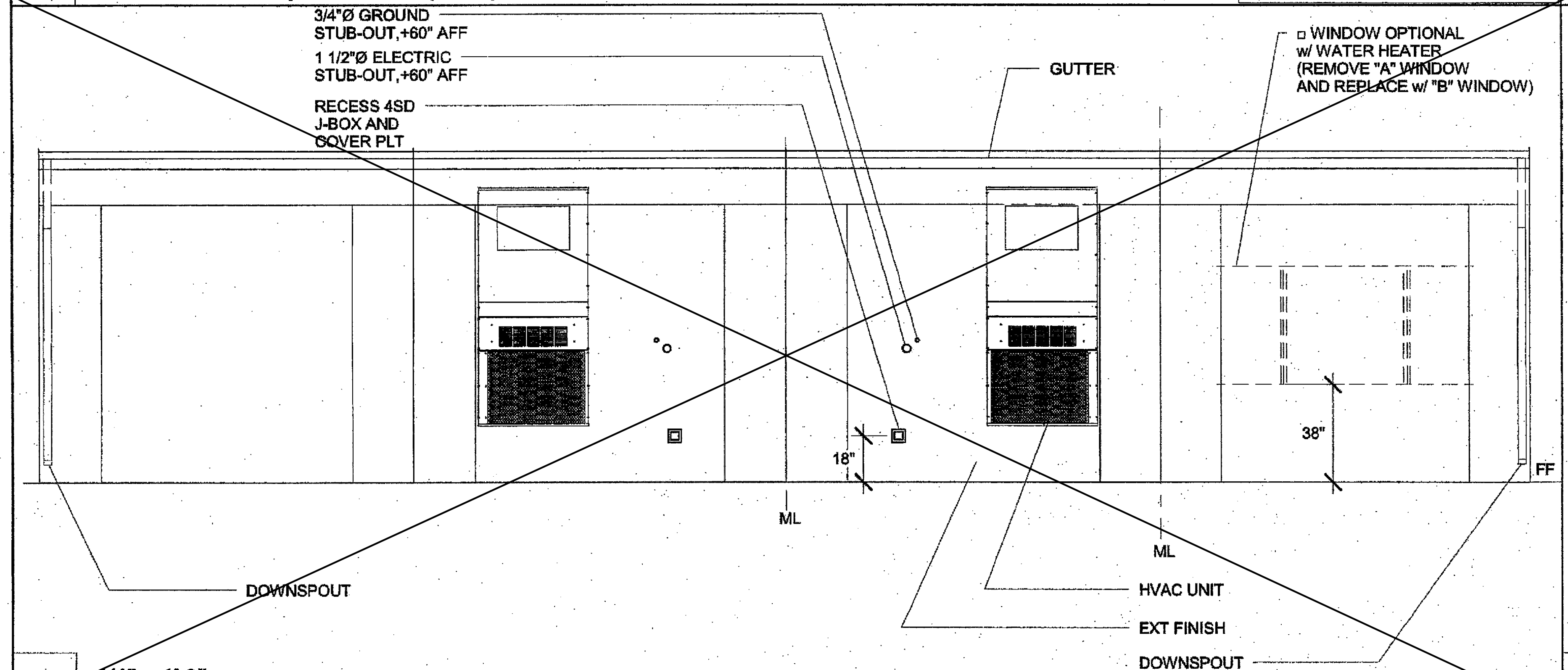
11 *1/4" = 1'-0"* ***48x40 Front w/ Parapet Elevation (Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


EXT LIGHT
FIRE ALARM HORN (BY OTHER)
ACCESSIBILITY SIGNAGE (BY OTHER)
ML
ML
18" MAX
FF
CONTROL JOINT (PLASTER OPTION ONLY)
EXT FINISH

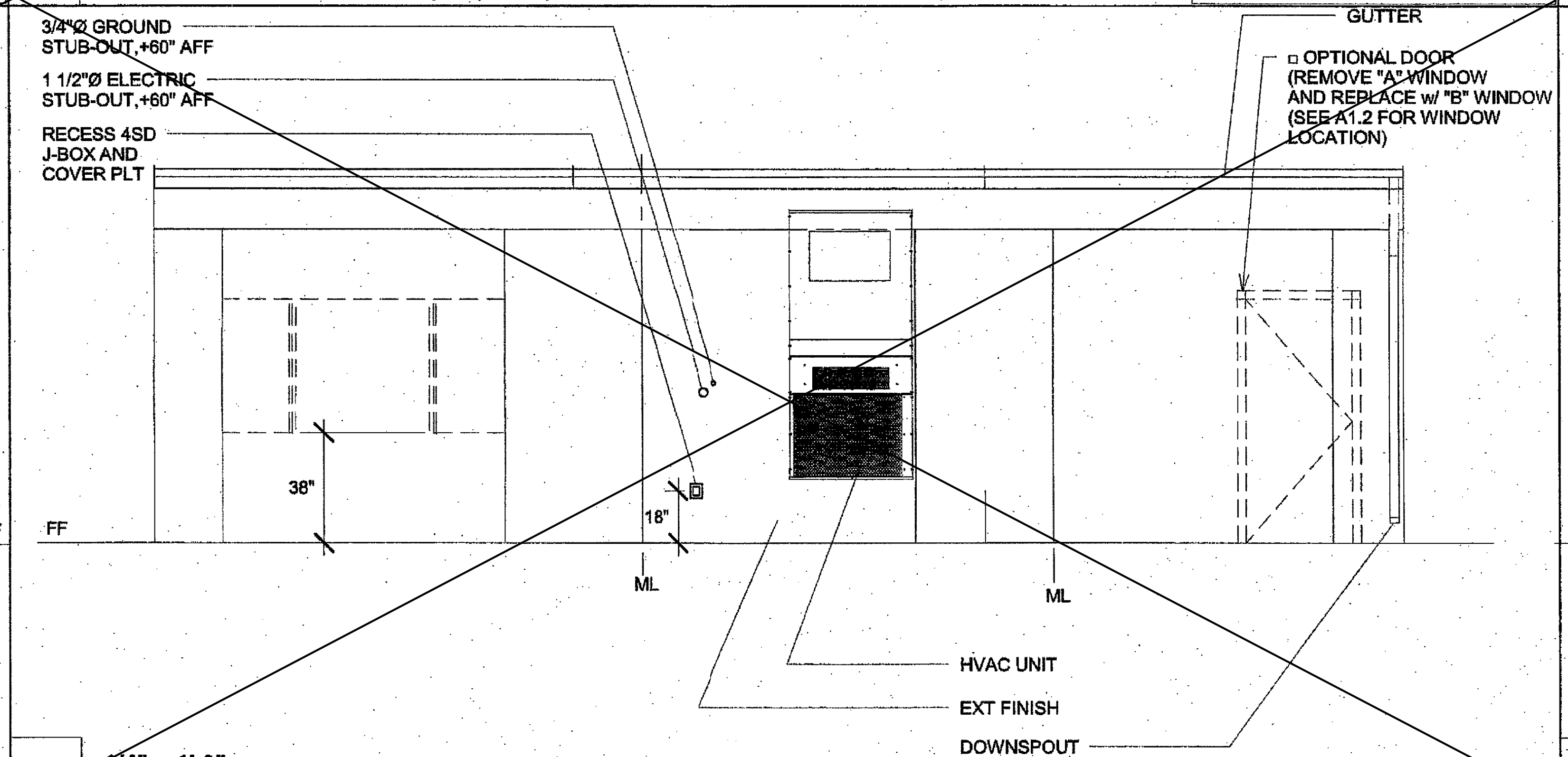
7 *1/4" = 1'-0"* ***36x40 Front Elevation w/ Parapet (Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


EXT LIGHT
FIRE ALARM HORN (BY OTHER)
ACCESSIBILITY SIGNAGE (BY OTHER)
18" MAX
FF
ML
CONTROL JOINT (PLASTER OPTION ONLY)
EXT FINISH

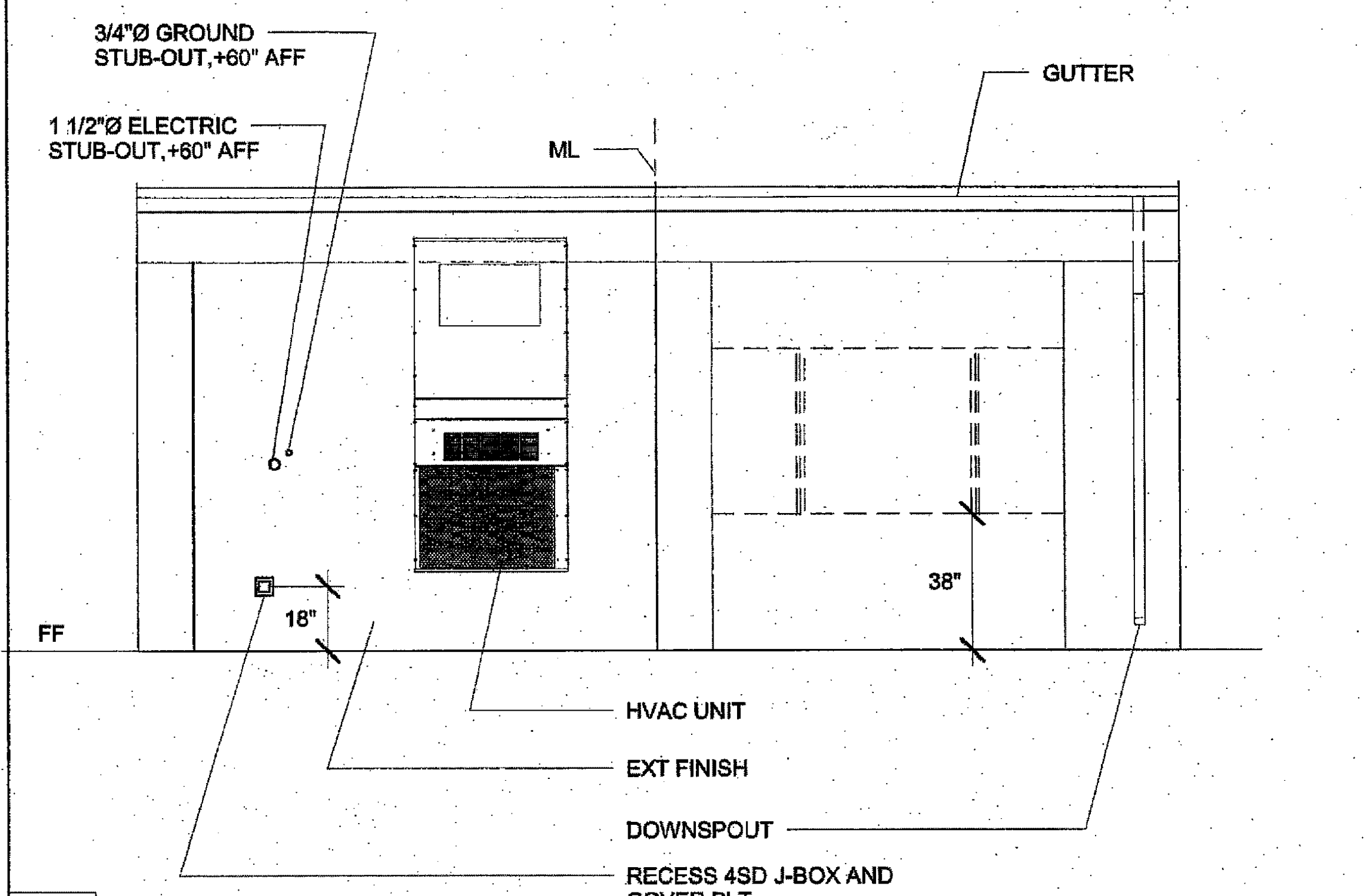
3 *1/4" = 1'-0"* ***24x40 Front Elevation w/ Parapet (Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


3/4"Ø GROUND STUB-OUT,+60" AFF
1 1/2"Ø ELECTRIC STUB-OUT,+60" AFF
RECESS 4SD J-BOX AND COVER PLT
GUTTER
□ WINDOW OPTIONAL w/ WATER HEATER (REMOVE "A" WINDOW AND REPLACE w/ "B" WINDOW)
38"
18"
FF
ML
ML
DOWNSPOUT
HVAC UNIT
EXT FINISH
DOWNSPOUT

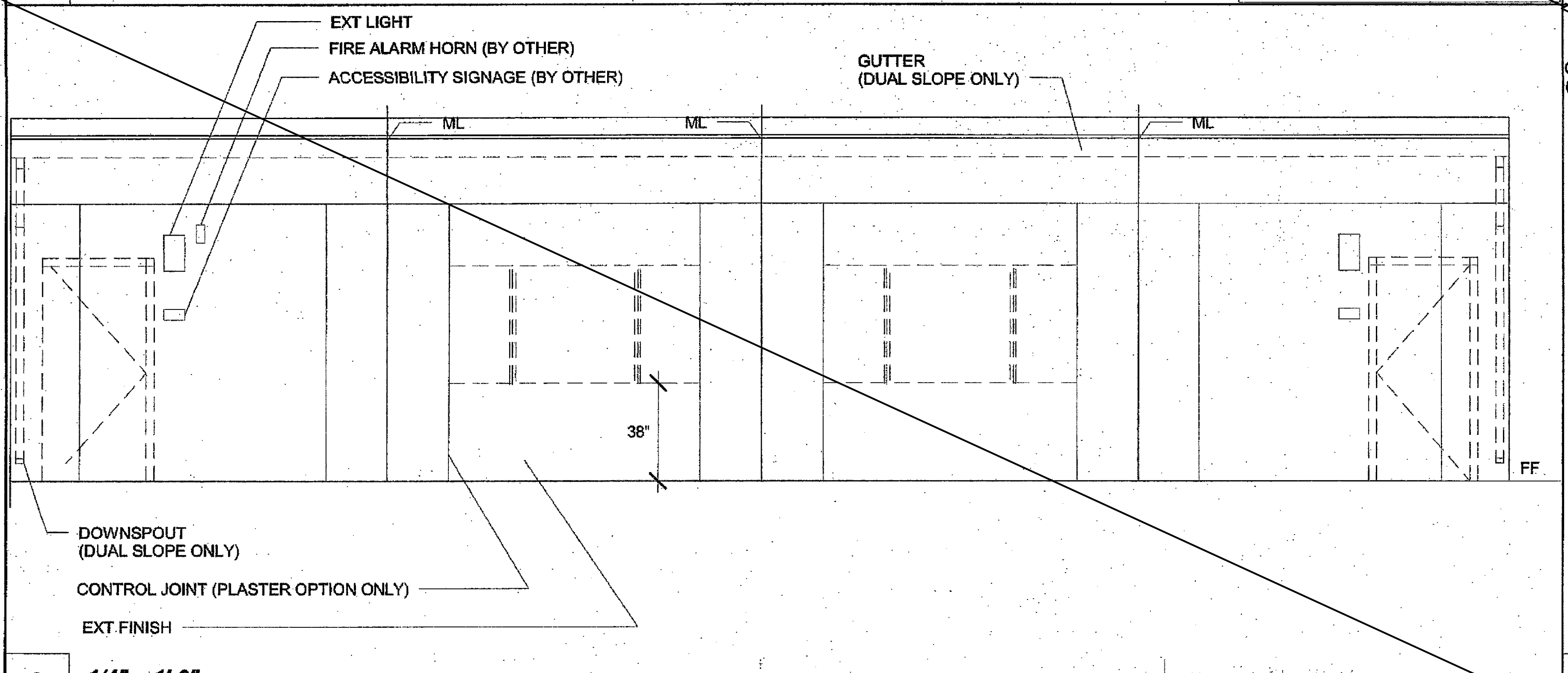
10 *1/4" = 1'-0"* ***48x40 Rear Elevation (Dual/Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


3/4"Ø GROUND STUB-OUT,+60" AFF
1 1/2"Ø ELECTRIC STUB-OUT,+60" AFF
RECESS 4SD J-BOX AND COVER PLT
GUTTER
□ OPTIONAL DOOR (REMOVE "A" WINDOW AND REPLACE w/ "B" WINDOW (SEE A1.2 FOR WINDOW LOCATION)
38"
18"
FF
ML
ML
HVAC UNIT
EXT FINISH
DOWNSPOUT

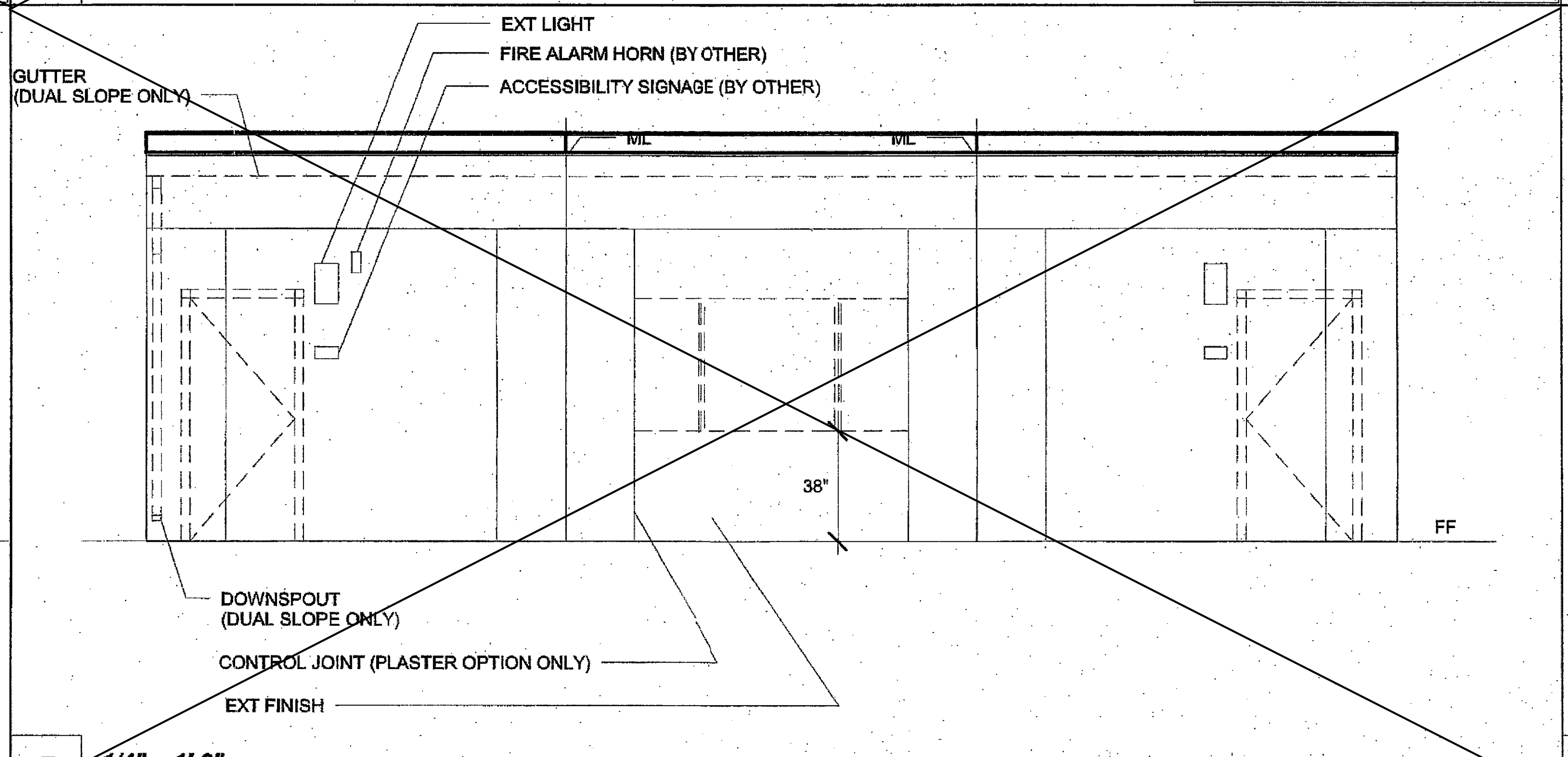
6 *1/4" = 1'-0"* ***36x40 Rear Elevation (Dual/Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


3/4"Ø GROUND STUB-OUT,+60" AFF
1 1/2"Ø ELECTRIC STUB-OUT,+60" AFF
ML
GUTTER
38"
18"
FF
HVAC UNIT
EXT FINISH
DOWNSPOUT
RECESS 4SD J-BOX AND COVER PLT

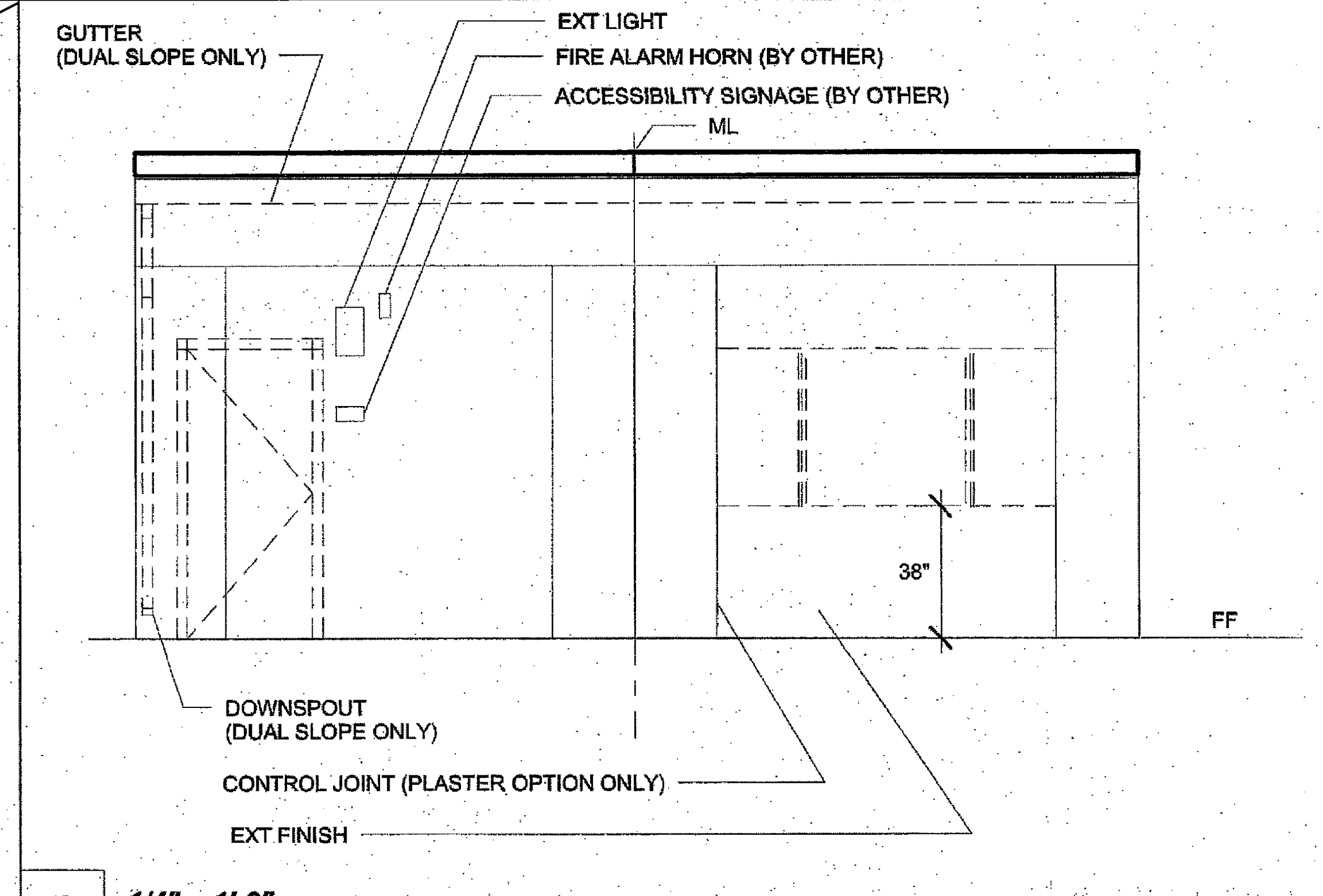
2 *1/4" = 1'-0"* ***24x40 Rear Elevation (Dual/Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


EXT LIGHT
FIRE ALARM HORN (BY OTHER)
ACCESSIBILITY SIGNAGE (BY OTHER)
GUTTER (DUAL SLOPE ONLY)
ML
ML
ML
38"
FF
DOWNSPOUT (DUAL SLOPE ONLY)
CONTROL JOINT (PLASTER OPTION ONLY)
EXT FINISH

9 *1/4" = 1'-0"* ***48x40 Front Elevation (Dual/Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


GUTTER (DUAL SLOPE ONLY)
EXT LIGHT
FIRE ALARM HORN (BY OTHER)
ACCESSIBILITY SIGNAGE (BY OTHER)
ML
ML
38"
FF
DOWNSPOUT (DUAL SLOPE ONLY)
CONTROL JOINT (PLASTER OPTION ONLY)
EXT FINISH

5 *1/4" = 1'-0"* ***36x40 Front Elevation (Dual/Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES


GUTTER (DUAL SLOPE ONLY)
EXT LIGHT
FIRE ALARM HORN (BY OTHER)
ACCESSIBILITY SIGNAGE (BY OTHER)
ML
38"
FF
DOWNSPOUT (DUAL SLOPE ONLY)
CONTROL JOINT (PLASTER OPTION ONLY)
EXT FINISH

1 *1/4" = 1'-0"* ***24x40 Front Elevation (Dual/Mono)*** SEE A5.0 FOR SCHEDULES AND NOTES

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

3/3/2016 5:00:57 PM

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH

03/02/2016

CLIENT

CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SZ FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE

ENDWALL
ELEVATIONS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

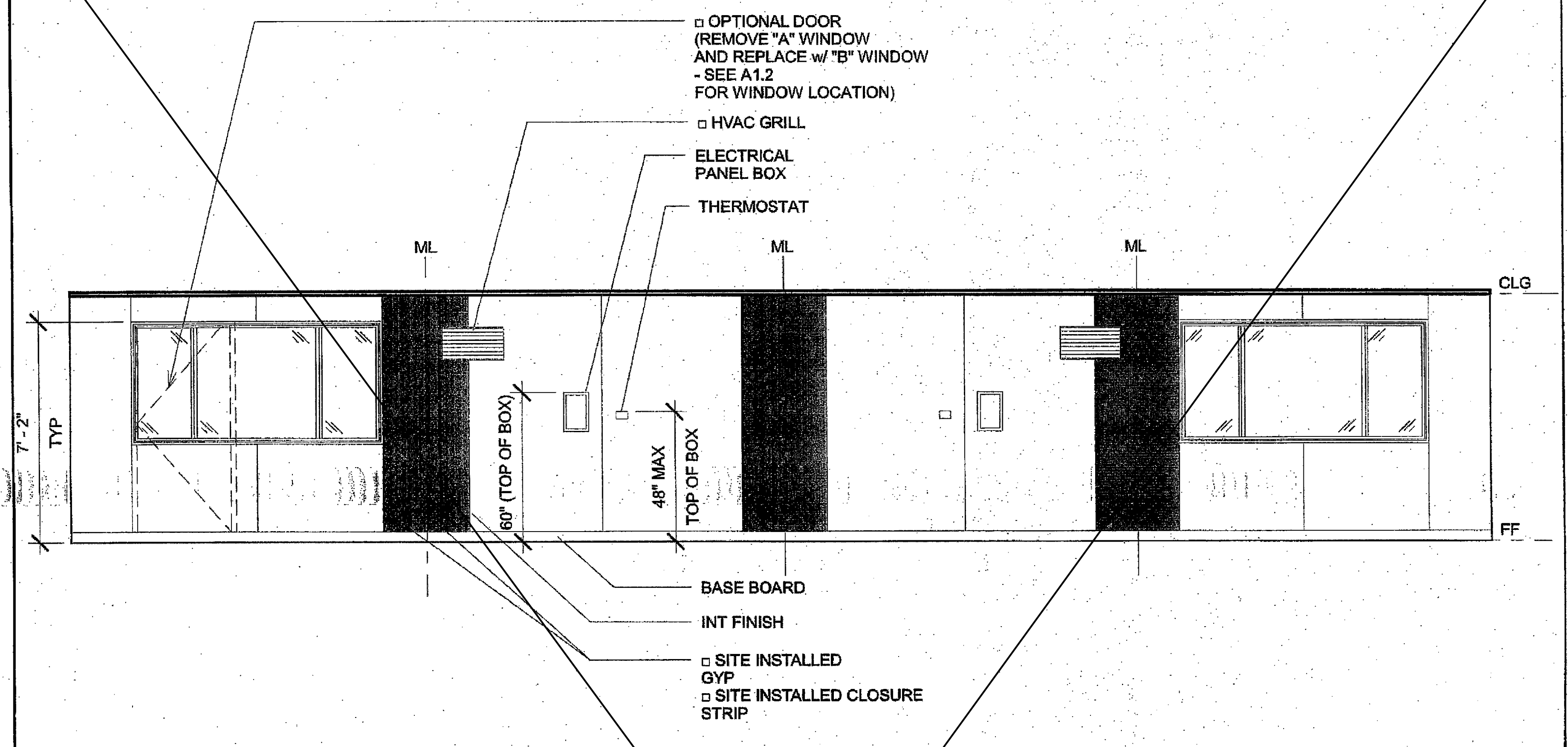
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A5.1

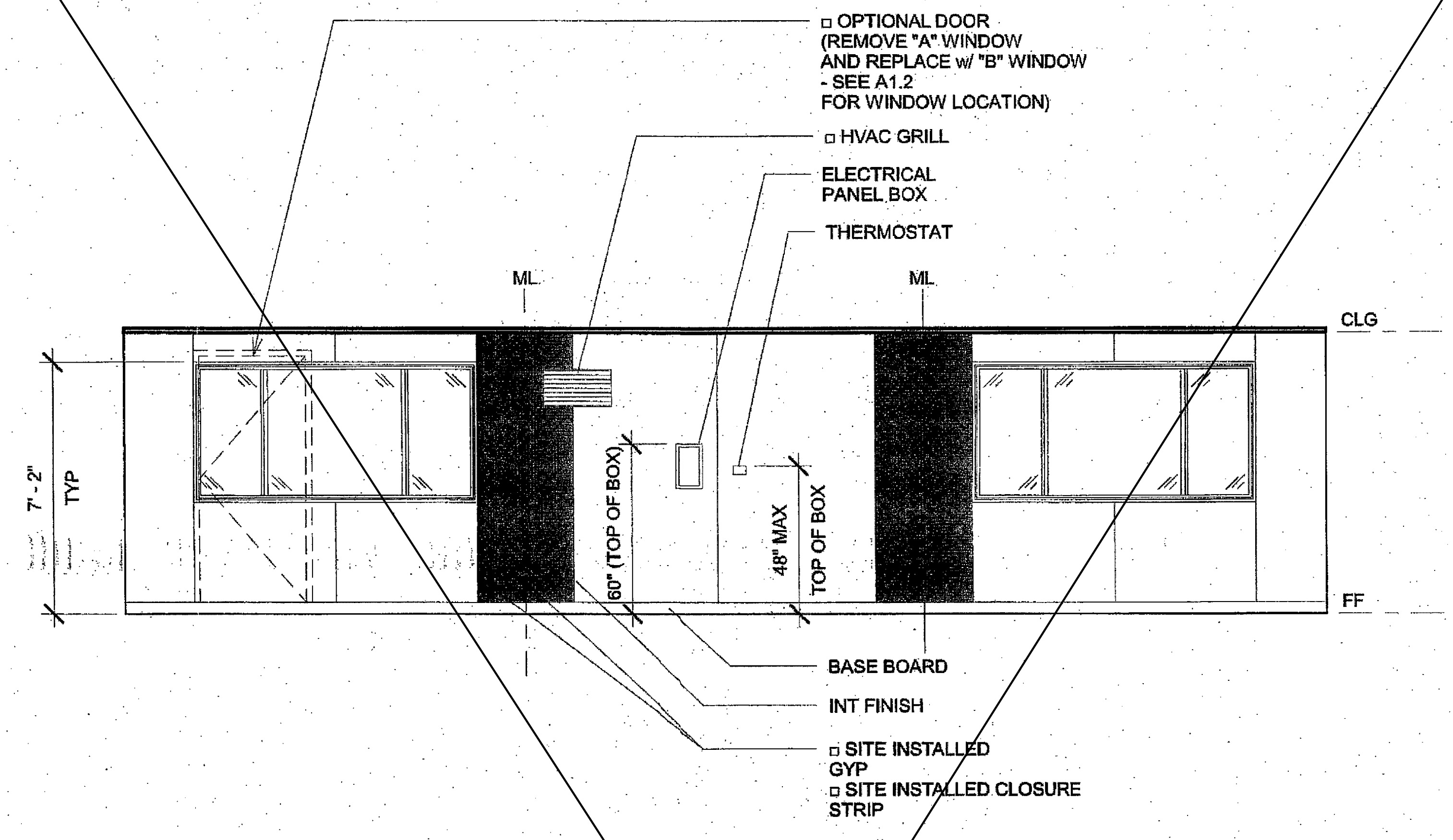
SHEET OF SHEETS

ADDENDUM



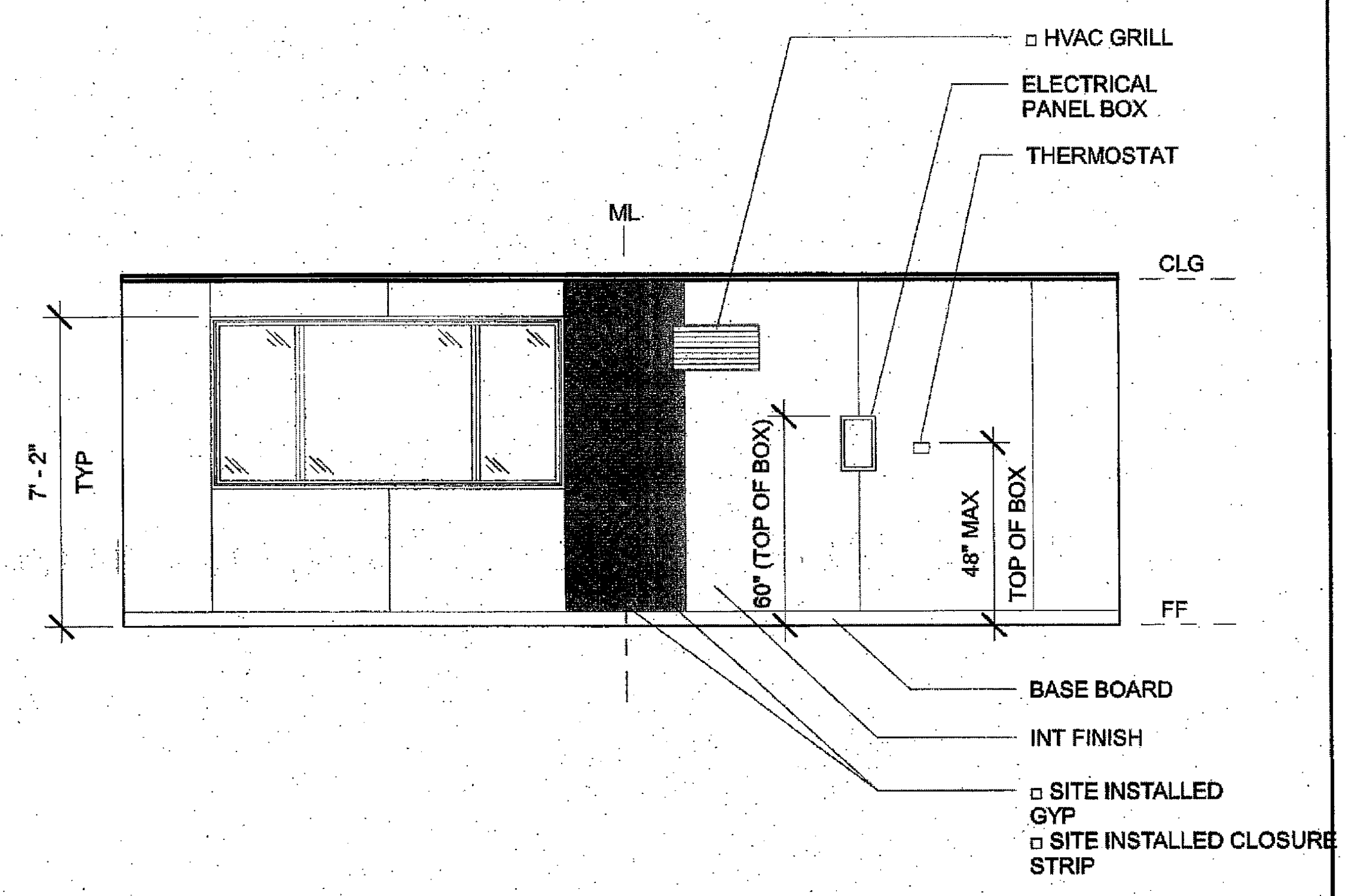
7

1/4" = 1'-0"
48x40 Rear Interior Elevation



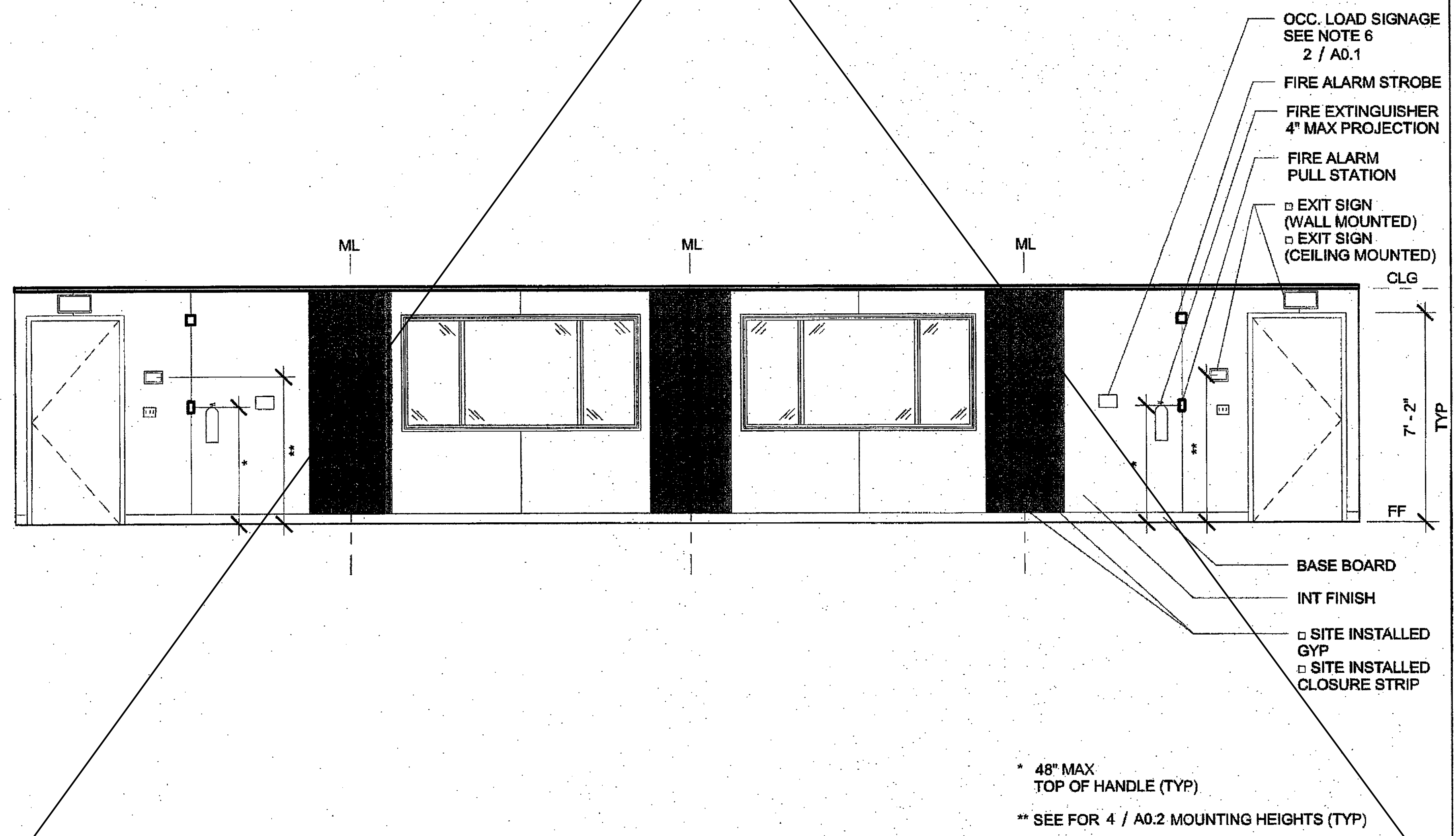
6

1/4" = 1'-0"
36x40 Rear Interior Elevation



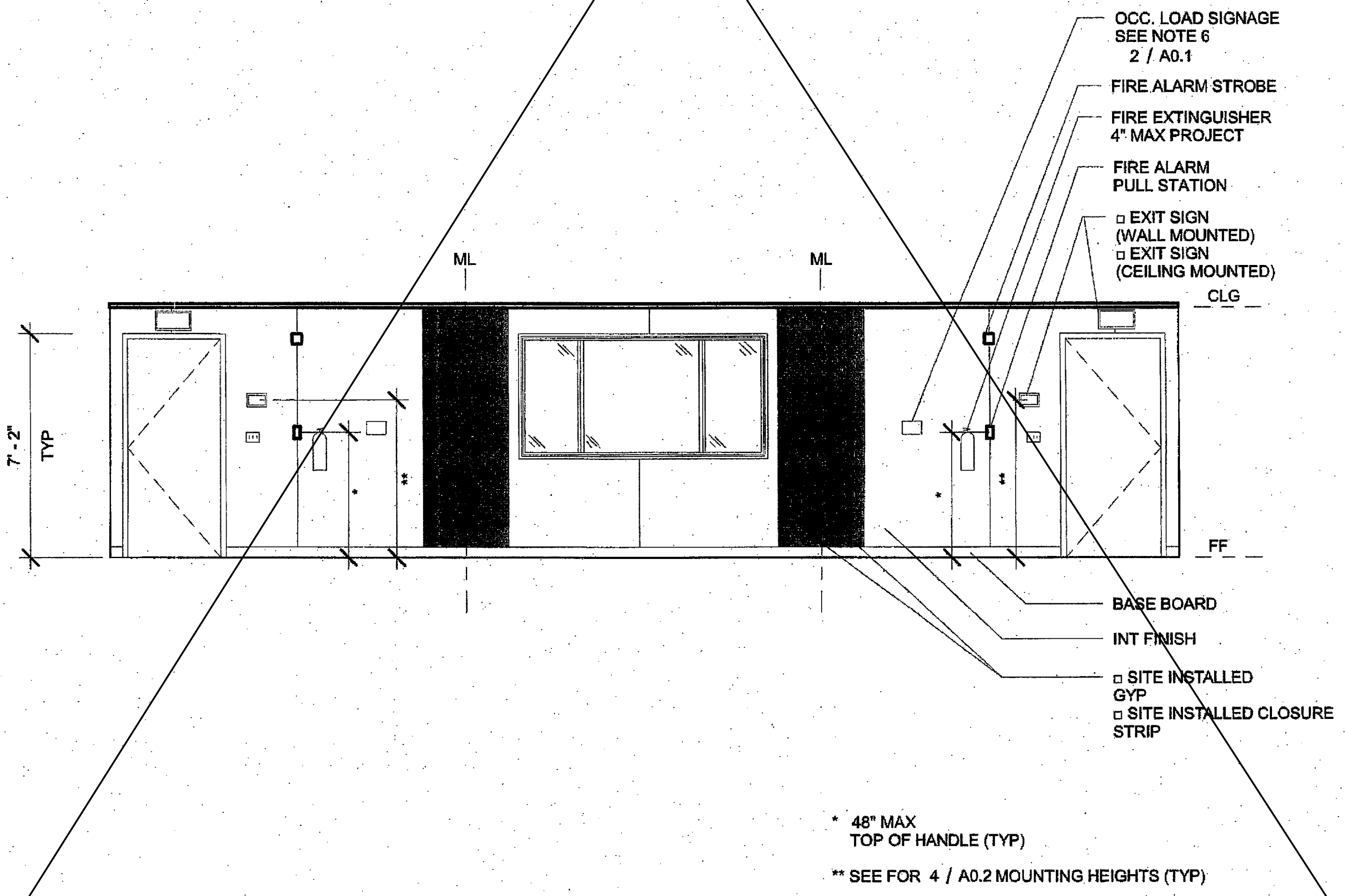
4

1/4" = 1'-0"
24x40 Rear Interior Elevation



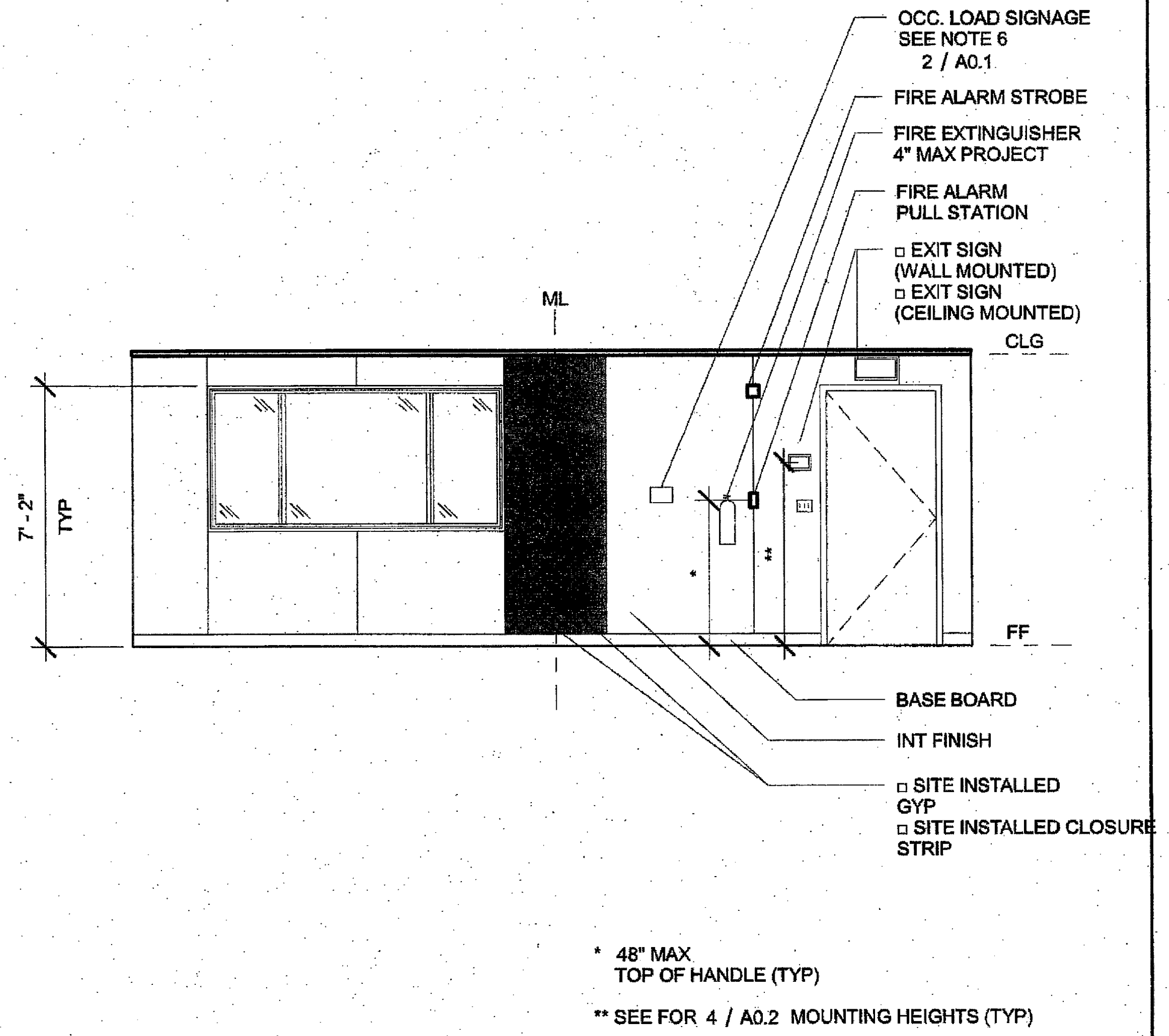
8

1/4" = 1'-0"
48x40 Front Interior Elevation



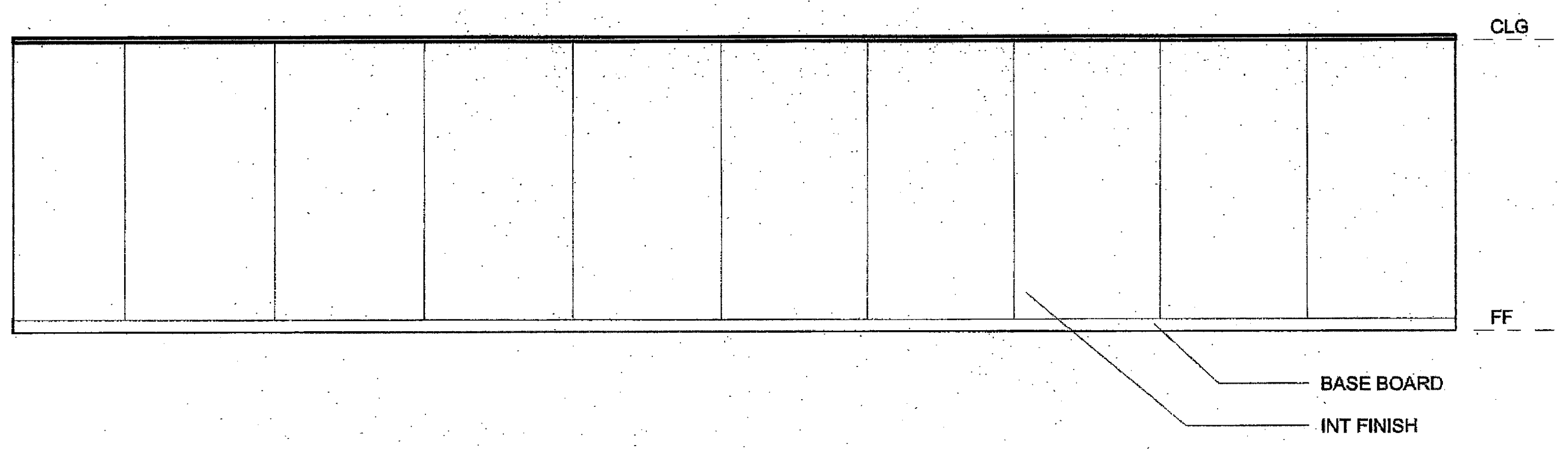
5

1/4" = 1'-0"
36x40 Front Interior Elevation



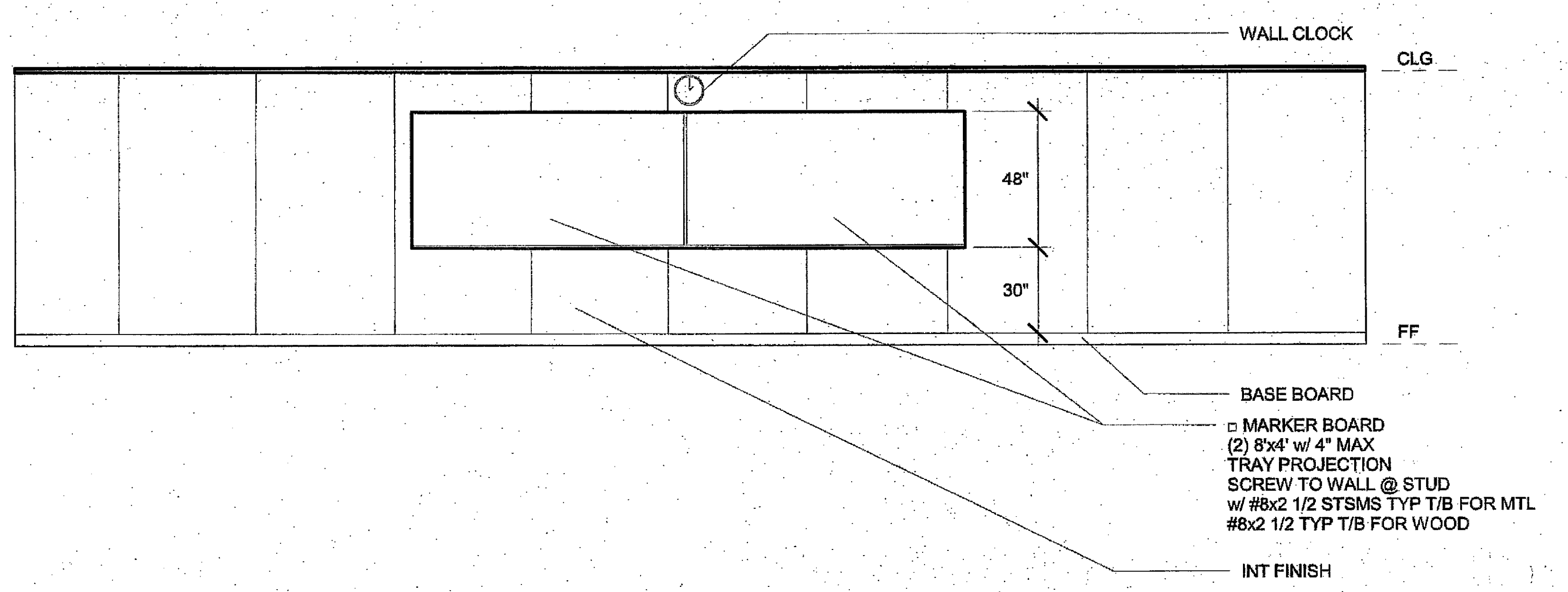
3

1/4" = 1'-0"
24x40 Front Interior Elevation



1

1/4" = 1'-0"
Interior Elevation (Left)



2

1/4" = 1'-0"
Interior Elevation (Right)

3/3/2016 9:00:57 PM
C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCHER
No. S3380
STRUCTURAL
03/02/2016

CLIENT

CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SL FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
INTERIOR ELEVATIONS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

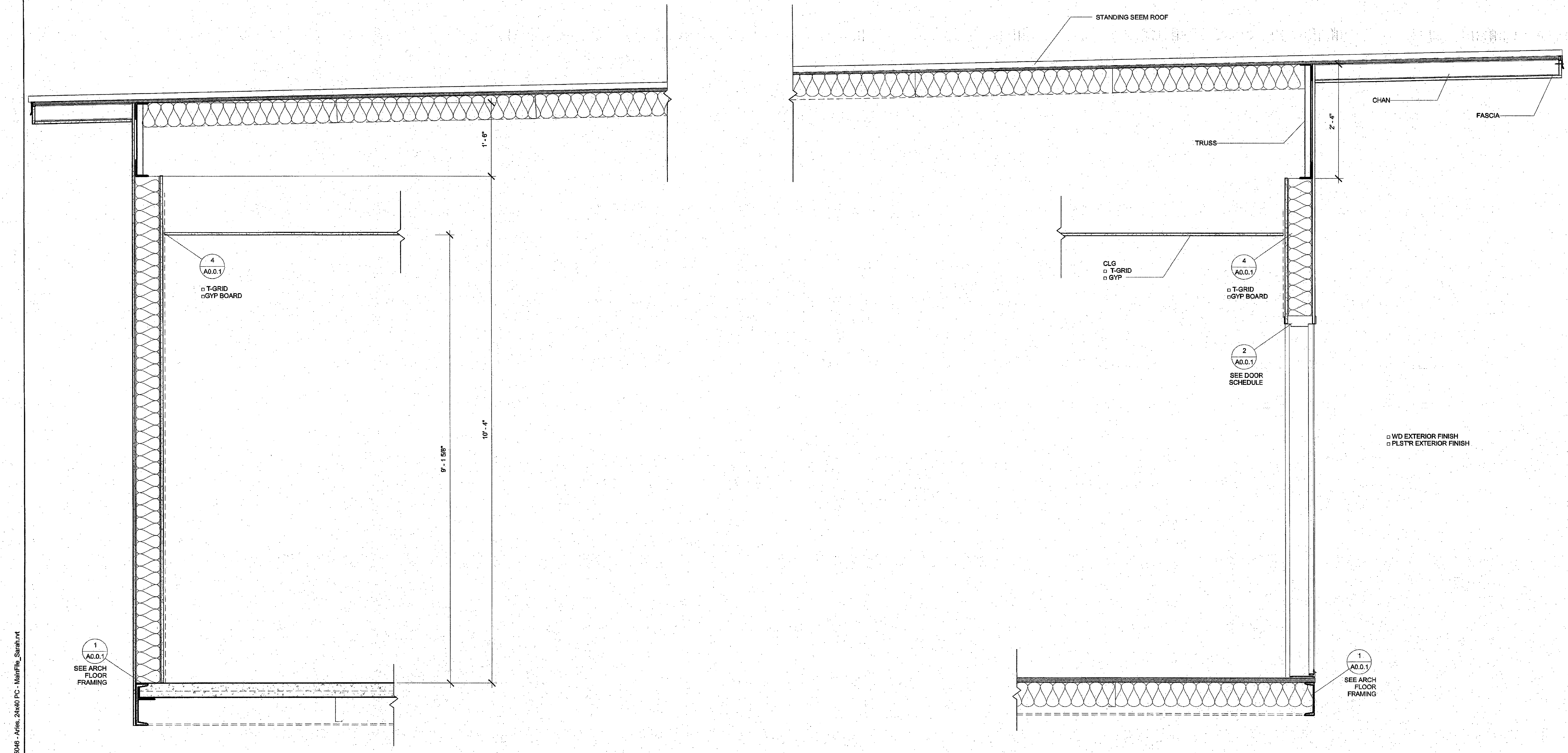
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A5.2

SHEET OF SHEETS

ADDENDUM



1 *1" = 1'-0"*
Section (EPDM)2

3/3/2016 9:00:58 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
No. S3580
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SL FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS SS
DATE DEC 0 8 2016

Revision Schedule

#	Description	Date

SHEET TITLE
SECTION -
STANDING SEAM
(MONO)

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

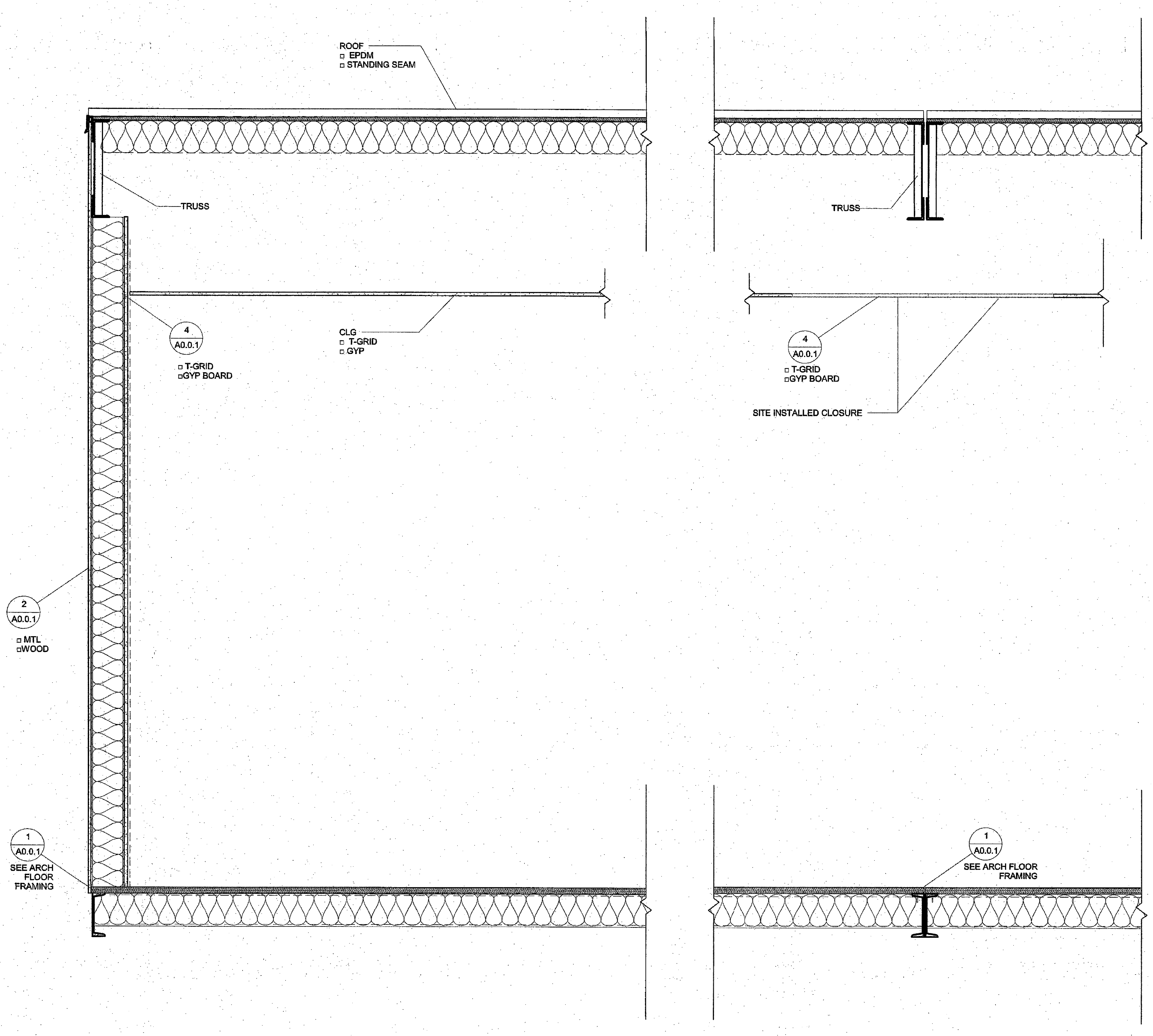
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
A6.0

SHEET OF SHEETS

ADDENDUM



1 1" = 1'-0"
Latitudinal Section

3/3/2016 9:01:01 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3580
STRUCTURAL
STATE OF CALIFORNIA
03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SC FLS – SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
SECTION

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

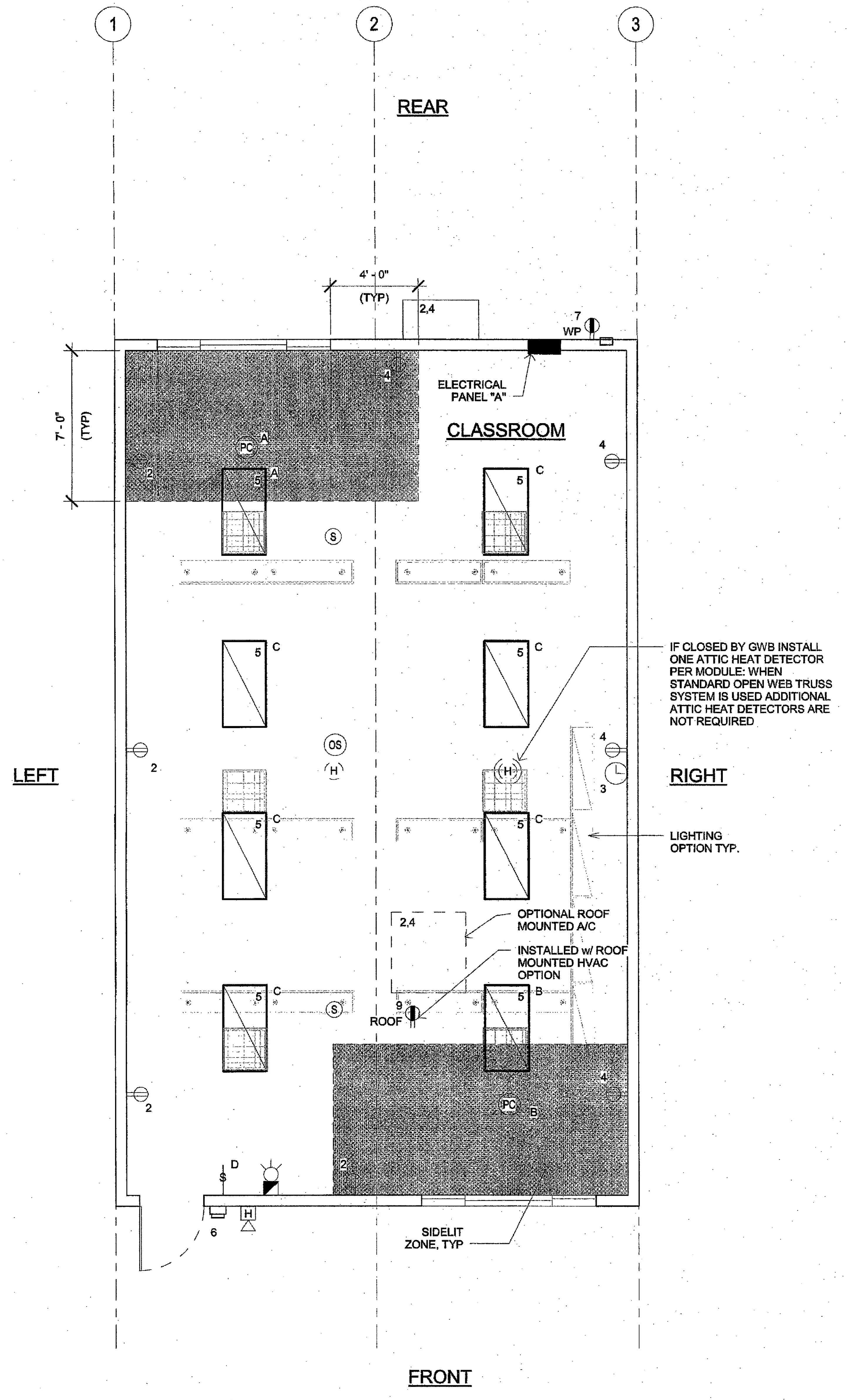
DATE
2016/03/02

SHEET NO.
A6.2

SHEET OF SHEETS

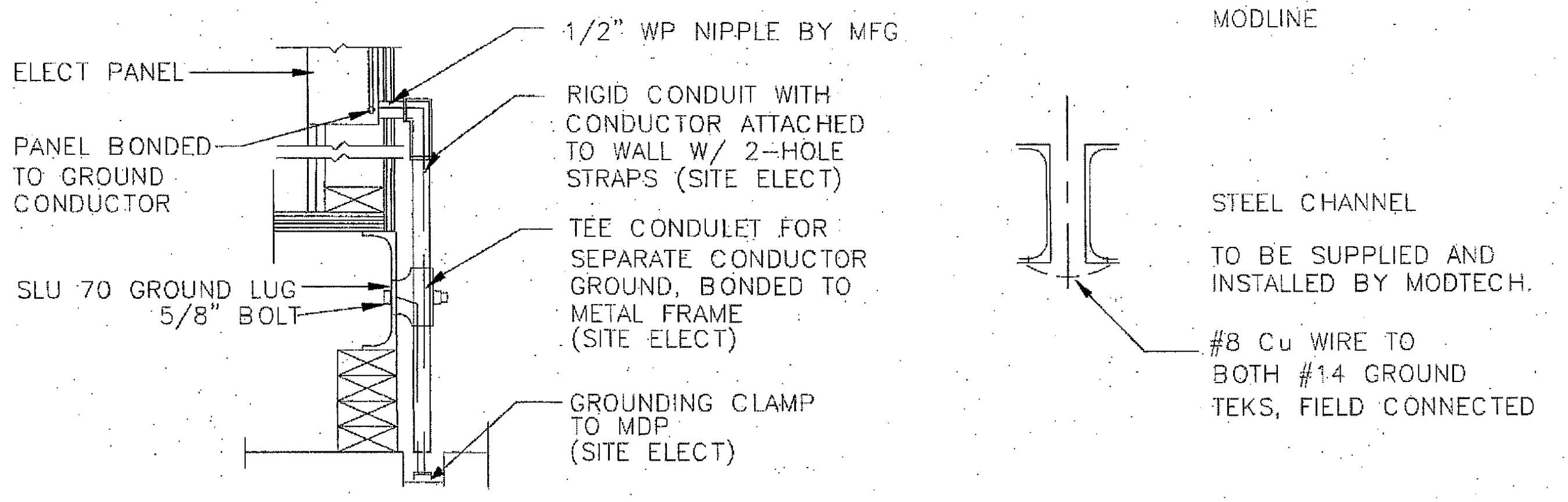
Proprietary Property of Class Leasing
Proprietary Property of Class Leasing
Proprietary Property of Class Leasing

ADDENDUM


1
2
3
REAR
4'-0"
(TYP)
2,4
7
WP
ELECTRICAL PANEL "A"
CLASSROOM
7'-0"
(TYP)
PC
A
5
C
S
OS
H
4
3
2
B
D
6
LEFT
RIGHT
IF CLOSED BY GWB INSTALL ONE ATTIC HEAT DETECTOR PER MODULE: WHEN STANDARD OPEN WEB TRUSS SYSTEM IS USED ADDITIONAL ATTIC HEAT DETECTORS ARE NOT REQUIRED
LIGHTING OPTION TYP.
OPTIONAL ROOF MOUNTED A/C
INSTALLED w/ ROOF MOUNTED HVAC OPTION
9
ROOF
SIDELIT ZONE, TYP
FRONT

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

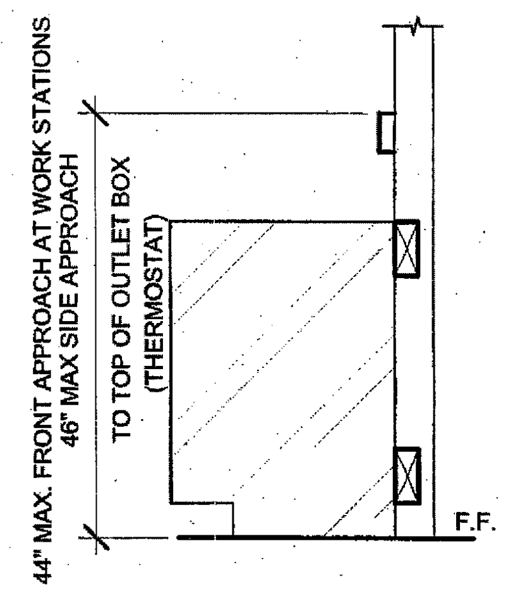
1 *1/4" = 1'-0"*
ELECTRICAL PLAN


ELECT PANEL
PANEL BONDED TO GROUND CONDUCTOR
SLU 70 GROUND LUG
5/8" BOLT
1/2" WP NIPPLE BY MFG
RIGID CONDUIT WITH CONDUCTOR ATTACHED TO WALL W/ 2-HOLE STRAPS (SITE ELECT)
TEE CONDULET FOR SEPARATE CONDUCTOR GROUND, BONDED TO METAL FRAME (SITE ELECT)
GROUNDING CLAMP TO MDP (SITE ELECT)
MODLINE
STEEL CHANNEL
TO BE SUPPLIED AND INSTALLED BY MODTECH.
#8 Cu WIRE TO BOTH #14 GROUND TEKS, FIELD CONNECTED

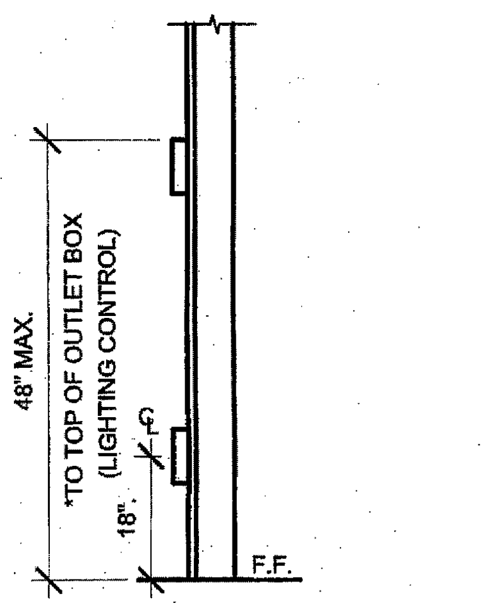
NOTES:

1. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
2. CHECK RESISTANT TO GROUND ROD. IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).
3. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
4. ALL MODULES OF STEEL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP & STAIRS.
5. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66

2 *1 1/2" = 1'-0"*
TYPICAL GROUNDING DETAIL

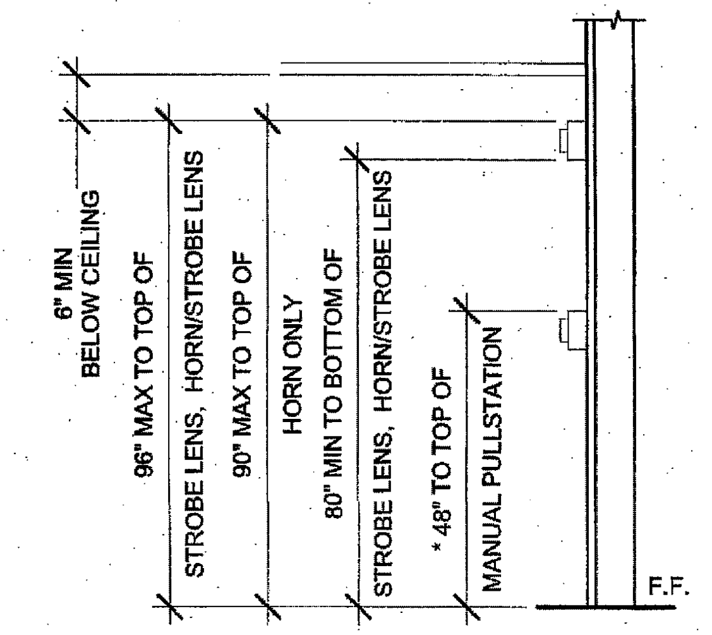

44" MAX. FRONT APPROACH AT WORK STATIONS
46" MAX SIDE APPROACH
TO TOP OF OUTLET BOX (THERMOSTAT)
F.F.

3 *1" = 1'-0"*
ELEV. @ WORKSTATION



* 30"x48" MIN CLR FLOOR SPACE AT EACH LOCATION FOR PERPENDICULAR APPROACH

4 *1" = 1'-0"*
MOUTING ELEV.


6" MIN BELOW CEILING
96" MAX TO TOP OF STROBE LENS, HORN/STROBE LENS
90" MAX TO TOP OF HORN ONLY
80" MIN TO BOTTOM OF STROBE LENS, HORN/STROBE LENS
* 48" TO TOP OF MANUAL PULLSTATION
F.F.

*PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION

5 *1" = 1'-0"*
FIRE ALARM MOUNTING HEIGHTS

GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE GROUNDED SEPARARELY WITH A ¾" ROUND X 8 FEET COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTOOM IS FOUND, DRIVE ROD AT 45 DEGREES MAXIMUM FROM THE VERTICAL OR HAVE IT BURIED IN A TRENCH 30" DEEP MINIMUM.

TESTING FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6 FEET, UNTIL RESISTANCE REDUCES TO 25 OHMS OR LESS. GROUND TEST MUST BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR AND ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250

6 *1" = 1'-0"*
GENERAL GROUNDING NOTES

EQUIPMENT ANCHORAGE AND BRACING

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS, WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1615A.1.12 THROUGH 1615A.1.22 AND 7-10 CHAPTER 13 AND 26.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OR RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS. ~~[illegible]~~

BRACING OF PIPING, DUCTWORK AND ELECTRICAL SYSTEM

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WTTH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1615A.1.20, 1615A.1.21 AND 1615A.1.22.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

7 *1" = 1'-0"*
EQUIPMENT ANCHORAGE AND BRACING

FIRE ALARM NOTES

PROVIDE SPACE ON ELECTRICAL PANEL FOR LOCK-ON BREAKER, IDENTIFIED WITH RED MARKING, FOR 120 VOLTS FIRE ALARM CIRCUIT, WITH BREAKER LABELED AS FIRE ALARM CIRCUIT, CEC 760.41 (B).
BREAKER AND CIRCUIT PROVIDED AND INSTALLED ON SITE BY OTHERS.

SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES TO BE PROVIDED AND INTERCONNECTED TO THE FIRE ALARM SYSTEMS ON SITE BY OTHERS

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM SYSTEM FOR ALL SITES, THE FIRE ALARM SYSTEM AND COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

8 *1" = 1'-0"*
FIRE ALARM NOTES

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE	CAPACITY	WIRE	NO. OF CONDUCTOR PERMITTED			
SIZE		TYPE	1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

9 *1" = 1'-0"*
CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
			#12	#10	#8	#6
4SS	1 1/4"x4" SQ	18.0	8	7	6	0
4S	1 1/2"x4" SQ	21.0	9	8	7	0
4SD	2 1/8"x4" SQ	30.3	13	12	10	6
4SX	2 7/8"x4" SQ	43.5	23	21	17	10
5SD	2 1/8"x4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8"x4-11/16" SQ	86.0	38	34	28	17
664	4"x6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

10 *1" = 1'-0"*
JUNCTION BOX SIZE TABLE

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
No. S3380
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS ___ SS ___
DATE MAR 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS VF SS ___
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
ELECTRICAL PLAN
24x40

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
E1.0

SHEET OF SHEETS

ADDENDUM

3/15/2016 5:16:26 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

PANEL A 24" x40"	120/208 VOLTS, 3 ϕ, 3 WIRE			MAIN LUGS ONLY			PANEL BOX= 100A			
	LOADCENTER	SURFACE MOUNTED					GRD & NEUTRAL BARS		AMP BUS	
	VOLTAMPS		10000 AIC					VOLTAMPS		
DESCRIPTION	ϕ A	ϕ B	C/B	CKT	ϕ	CKT	C/B	ϕA	ϕ B	DESCRIPTION
AC WALL MOUNTED	6670		30	1	A	2	20	720		OUTLETS
———————		6670	30	3	B	4	20		720	OUTLETS
GENERAL LIGHTING	720		20	5	A	6	20	40		EXTERIOR LIGHT
EXTERIOR GFI/WP		180	20	7	B	8	20			
			20	9	A	10	20	40		FIRE ALARM
SUBTOTAL	ϕ A 7390	ϕ B 6850						ϕA 800	ϕ B 720	SUBTOTAL
TOTAL	8190	7570	8190 /120 VOLTS= 68.25 76.25 AMPS + .94= 77.19 AMPS							

1 1" = 1'-0"
ELECTRICAL PANEL_WALL MOUNTED

~~PANEL A 24" x40"~~	~~120/208 VOLTS, 3 ϕ, 3 WIRE~~			~~MAIN LUGS ONLY~~			~~PANEL BOX= 100A~~			
	~~LOADCENTER~~	~~SURFACE MOUNTED~~					~~GRD & NEUTRAL BARS~~		~~AMP BUS~~	
	~~VOLTAMPS~~		~~10000 AIC~~					~~VOLTAMPS~~		
~~DESCRIPTION~~	~~ϕ A~~	~~ϕ B~~	~~C/B~~	~~CKT~~	~~ϕ~~	~~CKT~~	~~C/B~~	~~ϕA~~	~~ϕ B~~	~~DESCRIPTION~~
~~AC Roof Mounted~~	~~7360~~		~~30~~	~~1~~	~~A~~	~~2~~	~~20~~	~~720~~		~~OUTLETS~~
———————		~~7360~~	~~30~~	~~3~~	~~B~~	~~4~~	~~20~~		~~720~~	~~OUTLETS~~
~~GENERAL LIGHTING~~	~~720~~		~~20~~	~~5~~	~~A~~	~~6~~	~~20~~	~~40~~		~~EXTERIOR LIGHT~~
~~EXTERIOR GFI/WP~~		~~180~~	~~20~~	~~7~~	~~B~~	~~8~~	~~20~~			
			~~20~~	~~9~~	~~A~~	~~10~~	~~20~~	~~40~~		~~FIRE ALARM~~
~~SUBTOTAL~~	~~ϕ A~~ ~~8080~~	~~ϕ B~~ ~~7540~~						~~ϕA~~ ~~800~~	~~ϕ B~~ ~~720~~	~~SUBTOTAL~~
~~TOTAL~~	~~8880~~	~~8260~~	~~8880 /120 VOLTS= 74~~ ~~74 AMPS + 18.5= 92.5 AMPS~~							

2 1" = 1'-0"
ELECTRICAL PANEL_ROOF MOUNTED

LEGEND

■	ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT
⬚	ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
▭	WALL MOUNTED HVAC UNIT, SEE MECHANICAL DWGS
◪	100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
(HM)	4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT
(H)	4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
(S)	4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-O" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
▭	RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
H △	4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING
○	4SD J-BOX FOR FIRE ALARM STROBE (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND AT LEAST 6" BELOW THE CEILING LINE WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING
◩	4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING
EXIT	EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR-OPTIONAL.
◷	CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
⊡	EXTERIOR LED LIGHT FIXTURE. 30w MAX WITH PHOTOCELL MOUNT AT +93" AFF
⦶ ROOF	ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
⦶ GFI	GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
⦶ WP	EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
⦶	DUPLEX (WALL MOUNTED) RECEPTACLE 15A-125V-3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
$ 3	3-WAY LIGHT SWITCH. MOUNT AT+48" AFF TO TOP OF OUTLET BOX
$	LIGHT SWITCH. MOUNT AT+48" AFF TO TOP OF OUTLET BOX
$ D	SINGLE BUTTON DIMMER SWITCH, AT +48" AFF, TO TOP OF OUTLET BOX, WATTSTOPPER #LMDM-101 OR EQUAL
WS-1	SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.
(US)	ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
(PC)	CEILING MOUNTED PHOTOCELL, WATTSTOPPER #LMLS-500 OR EQUAL
(OS)	CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER #LMPC-100 OR EQUAL.
⧄	2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING-MODEL 24.OT.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48" LG) OR EQUAL
◪	2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING-MODEL 24.0T.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48" LG) OR EQUAL EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE Equipped WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

3 1" = 1'-0"
LEGEND

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
No. S3380
STRUCTURAL
Manny D. Frisch
03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SL FLS RF SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
ELECTRICAL
SCHEDULES 24x40

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
E1.1

SHEET OF SHEETS

ADDENDUM

3/15/2016 9:11:54 AM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

ABB.	DESCRIPTION	SYMBOL
WM	WALL MOUNTED UNIT (SEE SCHEDULE THIS SHEET)	WM-1
RM	ROOF MOUNTED UNIT (SEE SCHEDULE THIS SHEET)	RM-1
P.O.C	POINT OF CONNECTION	P.O.C
CO2	CARBON MONOXIDE SENSOR	(CO2)
BT	BYPASS TIMER	(BT)
STAT	THERMOSTAT	(T)
UC	UNDERCUT DOOR	→ UC
MVD	MANUAL VOLUME DAMPER	—+
FD	FIRE DAMPER	—●
VTR	VENT THRU ROOF	Ⓢ
ER	EXHAUST CEILING REGISTER	⧅
CR	RETURN CEILING REGISTER	⧅
CD	SUPPLY CEILING DIFFUSER	☒
(L)	LINED DUCTWORK	═
EAD	EXHAUST AIR DUCT	⊠
RAD	RETURN AIR DUCT	⊠
SAD	SUPPLY AIR DUCT	⊠
EF	EXHAUST FAN	EF -

1 1" = 1'-0"
LEGEND

EQUIPMENT ANCHORAGE AND BRACING

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS, WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1615A.1.12 THROUGH 1615A.1.22 AND 7-10 CHAPTER 13 AND 26.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

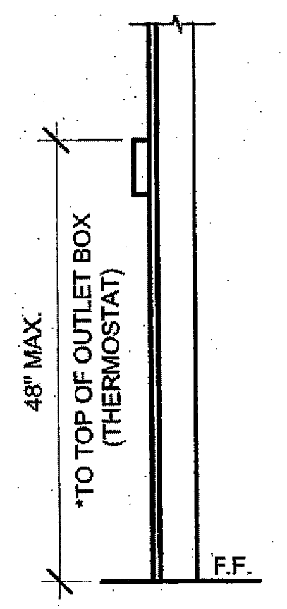
THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OR RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS. PIPING, DUCTWORK AND ELECTRICAL, DISTRIBUTION SYSTEM BRACING NOTE PIPING, DUCTWORK AND ELECTRICAL, DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1615A.1.20, 1615A.1.21 AND 1615A.1.22. THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D. COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

NOTE: BRACING OF PIPING, DUCTWORK AND ELECTRICAL SYSTEM

5 1" = 1'-0"
EQUIPMENT ANCHORAGE AND BRACING



* 30"x48" MIN CLR FLOOR SPACE AT EACH LOCATION FOR PERPENDICULAR APPROACH

9 1" = 1'-0"
MOUNTING ELEV.

CEILING MOUNTED EXHAUST FAN

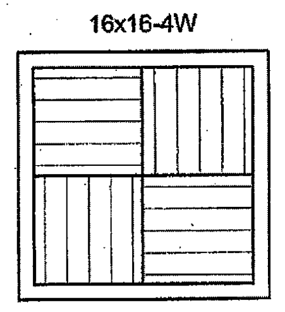
SYM.	USE	MFR/MODEL	CFM	SOUND LEVEL	SP	VOLTS	Ø	POWER	WGT#	NOTES
EF A	BATHROOM EXHAUST	* BROAN L100	109	1.0 SONES	0.25	120	1	87 WATTS	22.80#	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF B	BATHROOM EXHAUST	* BROAN L200	210	2.0 SONES	0.25	120	1	127 WATTS	23#	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF C	BATHROOM EXHAUST	* BROAN L300	308	2.8 SONES	0.25	120	1	212 WATTS	23.10#	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF D	BATHROOM EXHAUST	* BROAN 676	100	4.0 SONES	0.25	120	1	156 WATTS	7#	WITH BROAN ROOF CAP #636. PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

* OR APPROVED EQUAL.

2 1" = 1'-0"
CEILING MOUNTED EXHAUST FAN SCHEDULE

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)

16x16-4W



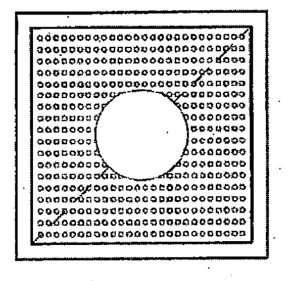
T-BAR SUPPLY

Fixed Curve Blade, 4-way throw

NECK SIZE	CFM (RANGE)	NOTES
6"Ø	0-150	SEE DETAIL FOR MAKE AND MODEL
8"Ø	150-230	SEE DETAIL FOR MAKE AND MODEL
10"Ø	230-350	SEE DETAIL FOR MAKE AND MODEL
12"Ø	350-460	SEE DETAIL FOR MAKE AND MODEL
14"Ø	460-640	SEE DETAIL FOR MAKE AND MODEL

3 1" = 1'-0"
PFG SCHED (SUPPLY)

PERFORATED FACE GRILLE SCHEDULE (RETURN)



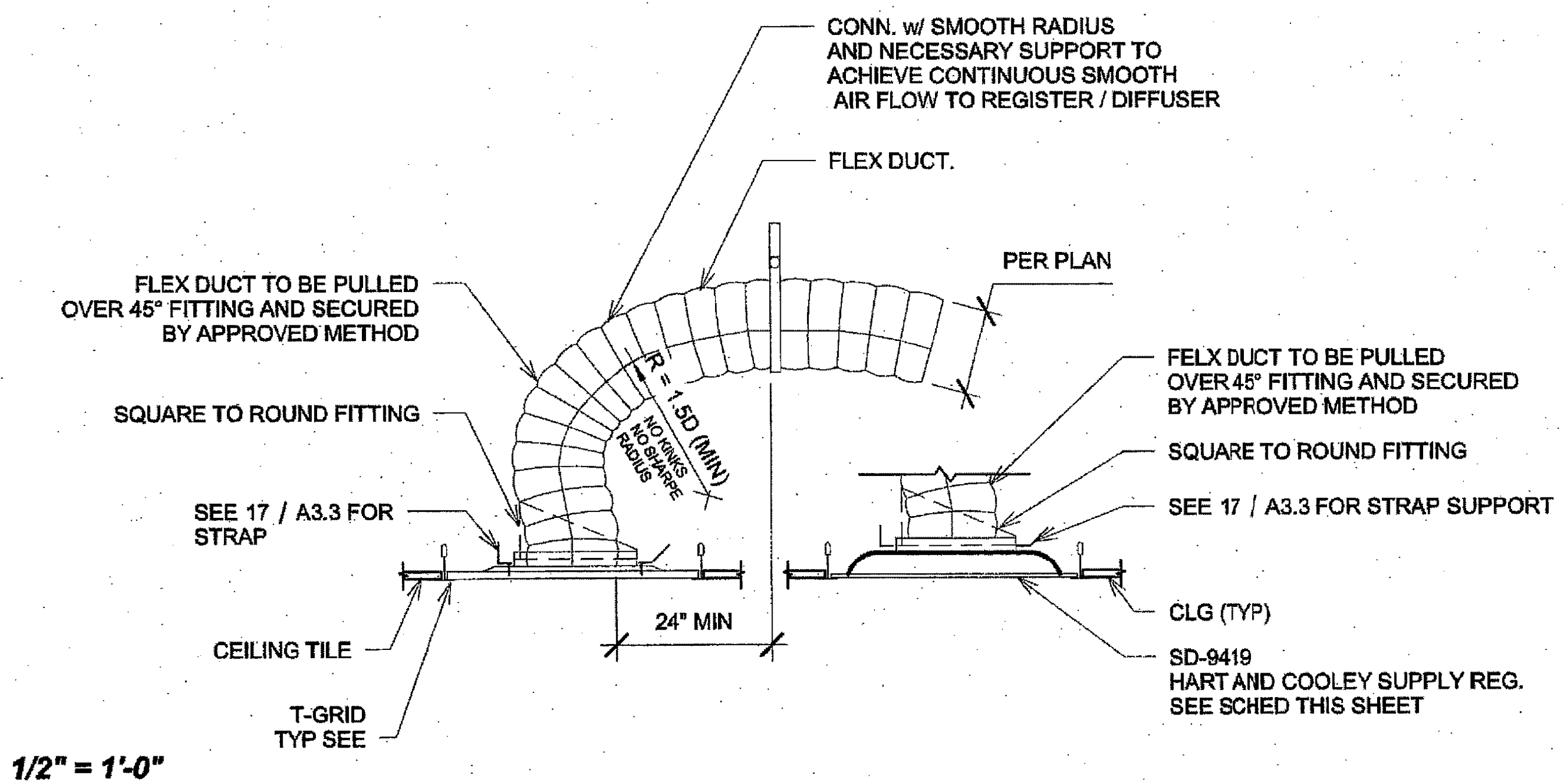
T-BAR RETURN

Perforated Face

Shoemaker 105P with 24 ga. 45 deg.

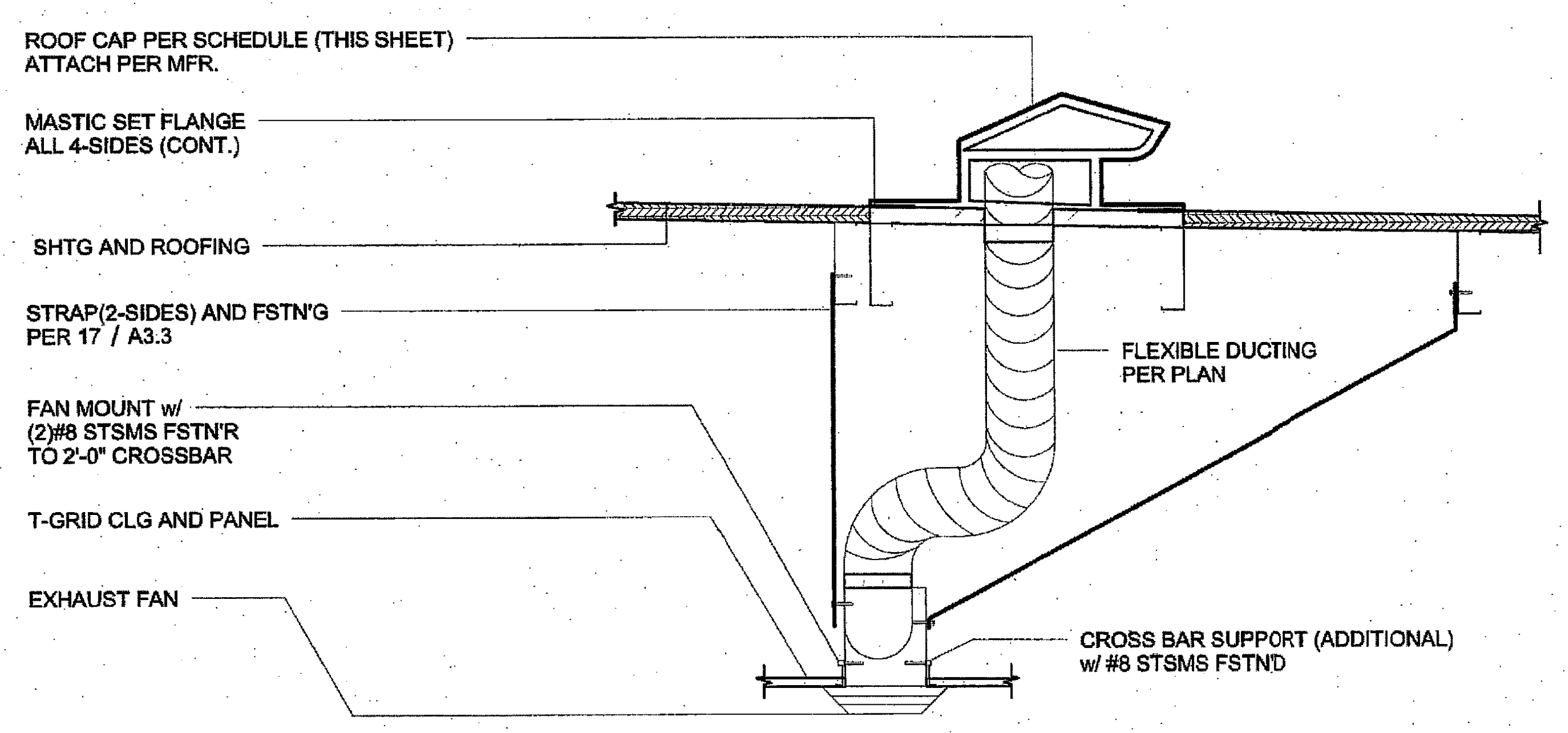
NECK SIZE	CFM (RANGE)	NOTES
6"Ø	0-230	SEE MECH CLG PLAN FOR SIZE
10"Ø	230-460	SEE MECH CLG PLAN FOR SIZE
14"Ø	460-710	SEE MECH CLG PLAN FOR SIZE

4 1" = 1'-0"
PFG SCHED (RETURN)



CONN. w/ SMOOTH RADIUS AND NECESSARY SUPPORT TO ACHIEVE CONTINUOUS SMOOTH AIR FLOW TO REGISTER / DIFFUSER
FLEX DUCT.
PER PLAN
FLEX DUCT TO BE PULLED OVER 45° FITTING AND SECURED BY APPROVED METHOD
SQUARE TO ROUND FITTING
R = 1.5D (MIN)
NO KINKS NO SHARPE RADIUS
SEE 17 / A3.3 FOR STRAP
CEILING TILE
24" MIN
T-GRID TYP SEE
FELX DUCT TO BE PULLED OVER 45° FITTING AND SECURED BY APPROVED METHOD
SQUARE TO ROUND FITTING
SEE 17 / A3.3 FOR STRAP SUPPORT
CLG (TYP)
SD-9419 HART AND COOLEY SUPPLY REG. SEE SCHED THIS SHEET

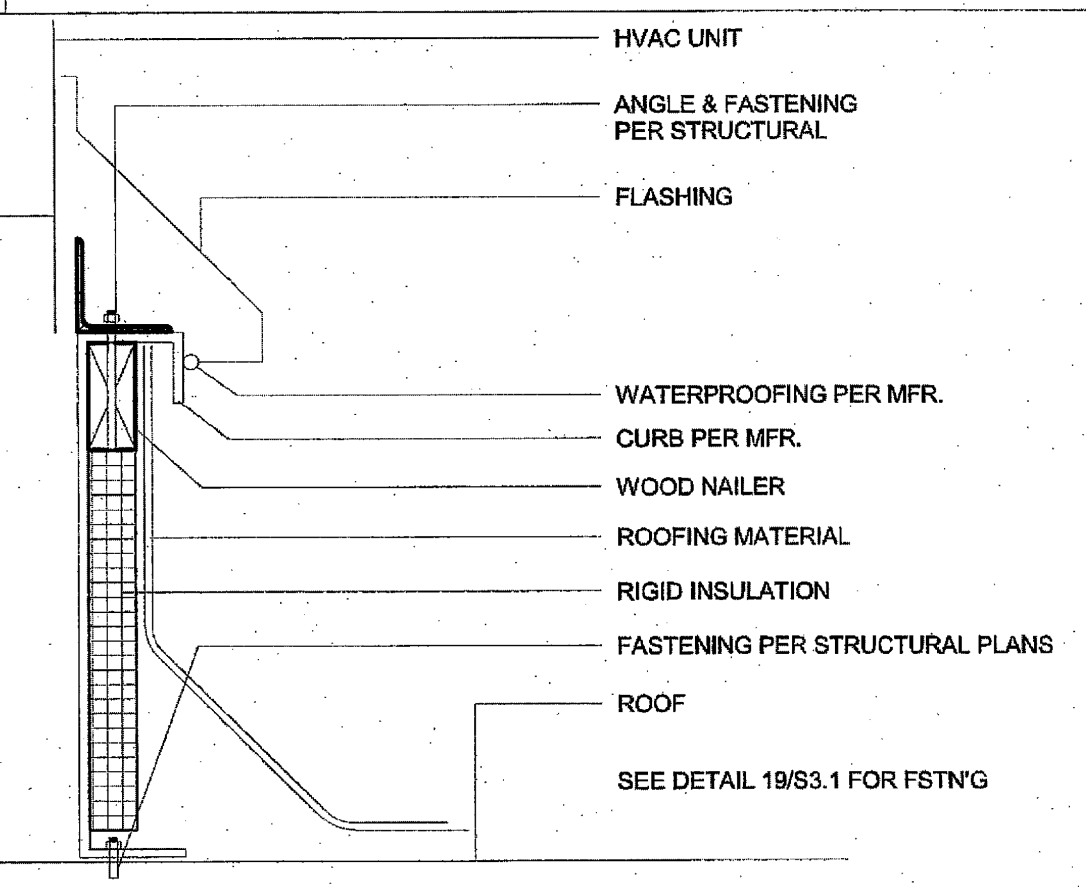
6 1/2" = 1'-0"
Round Air Distribution



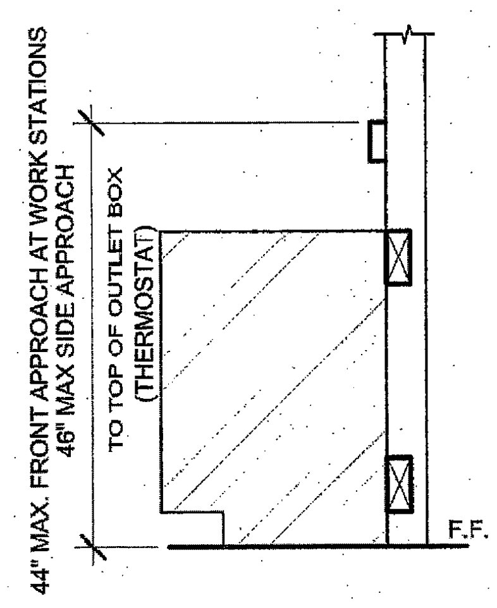
ROOF CAP PER SCHEDULE (THIS SHEET) ATTACH PER MFR.
MASTIC SET FLANGE ALL 4-SIDES (CONT.)
SHTG AND ROOFING
STRAP(2-SIDES) AND FSTN'G PER 17 / A3.3
FAN MOUNT w/ (2)#8 STSMS FSTN'R TO 2'-0" CROSSBAR
T-GRID CLG AND PANEL
EXHAUST FAN
FLEXIBLE DUCTING PER PLAN
CROSS BAR SUPPORT (ADDITIONAL) w/ #8 STSMS FSTN'D

SEE ISOMETRIC DETAIL 17/A3.3 FOR STRAPS

7 1" = 1'-0"
EXHAUST FAN INSTALLATION AND ROOF CAP



8 1" = 1'-0"
CURB AND MOUNTING



44" MAX. FRONT APPROACH AT WORK STATIONS
46" MAX SIDE APPROACH
TO TOP OF OUTLET BOX (THERMOSTAT)
F.F.

10 1" = 1'-0"
ELEV. @ WORKSTATION

9 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #I	OPTION #2
TAG	WM-1	WM-1	WM-1
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3.5 TONS
MANUFACTURER	**BARD	**BARD	**BARD
MODEL#	W48H2-A04	W60H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	57
MOCP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35.600	39.600	32.700
TOTAL COOLING @ 95° F	46.000	54.000	42.000
HEATING CAP. BTUH @ 47° F	44.000	54.000	42.000
HEATING CAP. BTUH @ 17° F	26.000	32.000	25.000
OPERATING WEIGHT	550#	580#	550#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

10 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #I	OPTION #2
TAG	WM-1	WM-1	WM-1
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3.5 TONS
MANUFACTURER	**BARD	**BARD	**BARD
MODEL#	S49H2-A05	S61H2-A05	S43H2-A04
CFM	1400	1450	1250
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	DIRECT	DIRECT	DIRECT
MCA	65	69	55
MOCP	70	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	34.400	37.900	31.200
TOTAL COOLING @ 95° F	46.000	55.000	41.500
HEATING CAP. BTUH @ 47° F	45.000	52.000	39.000
HEATING CAP. BTUH @ 17° F	26.000	30.000	23.000
OPERATING WEIGHT	550#	580#	550#
EER	10.00	10.40	10.50
COP @ 47° F	3.00	3.00	3.20
COP @ 17° F	2.00	2.00	2.10

9 EER (GAS ALTERNATE)

SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE

	STANDARD	OPTION #I	OPTION #2
TAG	WM-2	WM-2	WM-2
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3.5 TONS
MANUFACTURER	BARD	**BARD	BARD
MODEL#	W48G2-AXB	W60G2-AXB	W42G2-AXB
CFM	1600	1750	1300
STATIC PRESSURE	0.2	0.2	0.2
DRIVE	DIRECT	DIRECT	DIRECT
MCA	38	40	32
MOCP	50	60	50
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35.260	40.700	30.500
TOTAL COOLING @ 95° F	46.500	57.000	40.500
HEATING INPUT	75.000	75.000	75.000
HEATING OUTPUT	61.500	61.500	61.500
OPERATING WEIGHT	710#	725#	700#
EER	9.7	9.8	9.8
THERMAL EFFICIENCY (TE)	82	82	82

14 SEER

SINGLE PACKAGE ROOF TOP HEAT PUMP SCHEDULE

	STANDARD	OPTION #I	OPTION #2
TAG	RM-1	RM-1	RM-1
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3.5 TONS
MANUFACTURER	**CARRIER	**CARRIER	**CARRIER
MODEL#	50VT-A-48-31	50VT-A-60-31	50VT-A-42-31
CFM	1600	1750	1400
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	DIRECT	DIRECT	DIRECT
MCA	64	72	59
MOCP	70	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#4/#8	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35.260	40.700	30.500
TOTAL COOLING @ 95° F	46.500	57.000	40.500
HEATING CAP. BTUH @ 47° F	45.500	59.000	41.500
HEATING CAP. BTUH @ 17° F	26.000	32.000	23.000
OPERATING WEIGHT	560#	615#	572#
SEER/EER	14.5/12.0	14.5/12.0	14.5/12.0
HSPF	8.0	8.0	8.0
COP @ 47° F	3.4	3.5	3.4
COP @ 17° F	2.4	2.4	2.3

14 SEER (GAS ALTERNATE)

SINGLE PACKAGE ROOF TOP AIR CONDITIONER WITH GAS FURNACE

	STANDARD	OPTION #I	OPTION #2
TAG	RM-2	RM-2	RM-2
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3.5 TONS
MANUFACTURER	**CARRIER	**CARRIER	**CARRIER
MODEL#	48VL-A-4809030	48VL-A-6009030	48VL-A-4209030
CFM	1600	1750	1400
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	DIRECT	DIRECT	DIRECT
MCA	36.1	41.8	29.6
MOCP	50	60	40
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35.260	40.700	30.500
TOTAL COOLING @ 95° F	46.500	57.000	40.500
HEATING INPUT	90.000	90.000	90.000
HEATING OUTPUT	73.000	73.000	73.000
OPERATING WEIGHT	590#	618#	572#
SEER/EER	14.2/12.0	14.2/12.0	14.5/12.0
AFUE	80.4%	80.4%	80.4%

HVAC NOTES

1. SET BACK THERMOSTAT SHALL BE PROVIDED
2. MINIMUM OUTSIDE AIR 15 CFM PER OCCUPANT AND THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION
3. THE CO2 SENSOR SHALL NOT BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND NEED TO BE LOCATED ACCORDINGLY, AND PLACED NO LESS THAN 35" AFF AND NO MORE THAN 72" AFF.
4. AIR HANDLERS WITH OTHER VOLTAGES SHOULD BE ACCEPTABLE, AS WELL AS OTHERS THAN THE MAKE AND MODELS LISTED ON THESE TABLES, WHEN THE NOMINAL TONNAGE DOES NOT EXCEEDS 5 TON AND THE SEER, HSPF AND COP VALUES ARE NO LESS THAN SHOWN.
5. MODEL NUMBERS FOR HEAT PUMP UNITS WITH OPTIONAL 5.0 AUXILIARY HEAT STRIPS, WHEN THE HEAT STRIP IS NOT USED, THE MCA AND MOCP MUST BE VERIFIED AND HEAT STRIPS LARGER THAN THE SIZES SHOWN MAY NOT BE USED.

*FOR 24x40 BUILDING A 5 TONS UNIT IS ONLY TO BE USED ON COMPUTER LAB APPLICATION

**OR EQUAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3380
03/02/2016

CLIENT

CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC A SEP. PROJECT APPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 18 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS SC FLS – SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE

MISCELLANEOUS
NOTES & DETAILS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

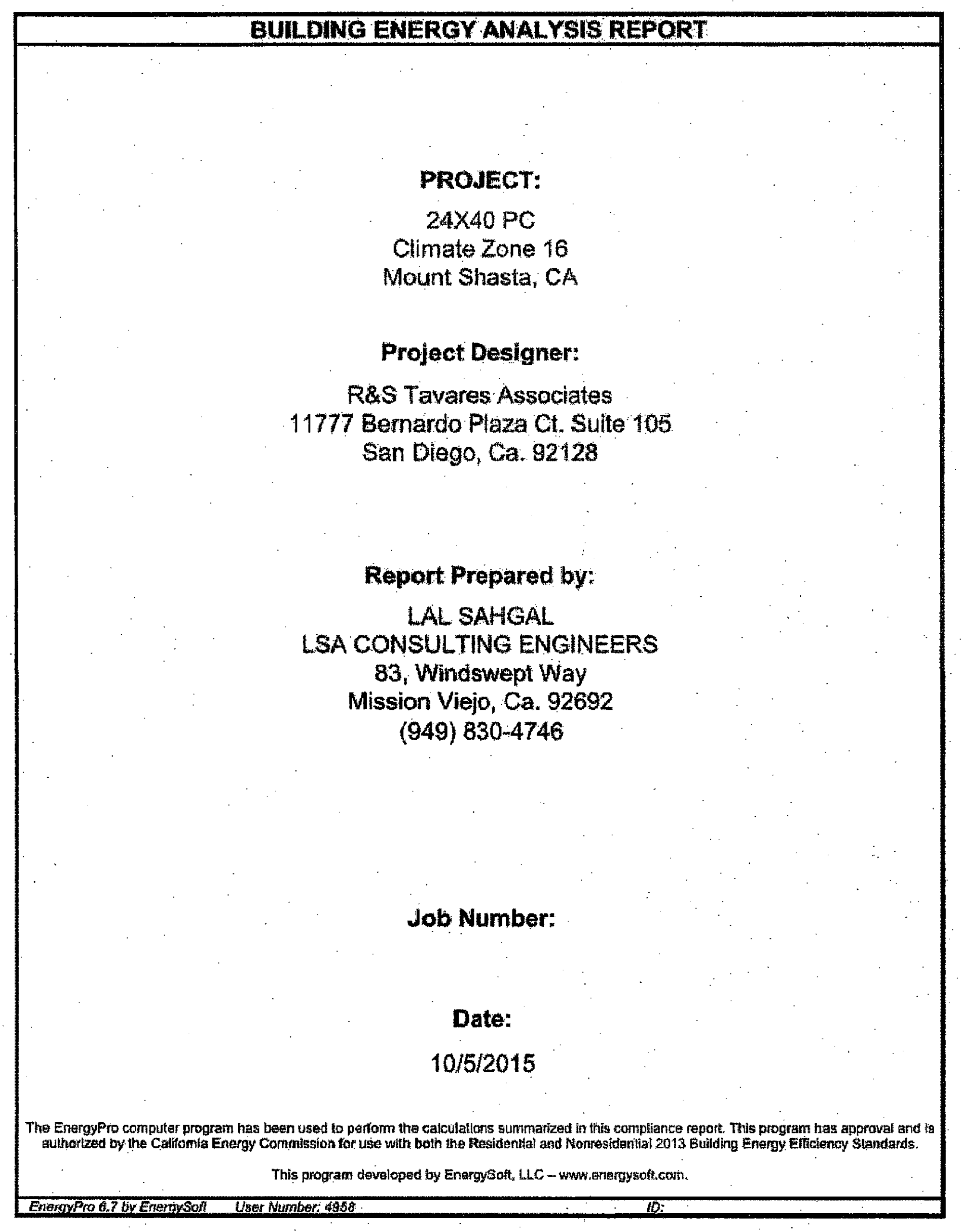
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
M0.1

SHEET OF SHEETS

ADDENDUM



BUILDING ENERGY ANALYSIS REPORT

PROJECT:
24X40 PC
Climate Zone 16
Mount Shasta, CA

Project Designer:
R&S Tavares Associates
11777 Bernardo Plaza Ct. Suite 105
San Diego, Ca. 92128

Report Prepared by:
LAL SAHGAL
LSA CONSULTING ENGINEERS
83, Windswept Way
Mission Viejo, Ca. 92692
(949) 830-4746

Job Number:

Date:
10/5/2015

The EnergyPro computer program has been used to perform the calculations summarized in this compliance report. This program has approval and is authorized by the California Energy Commission for use with both the Residential and Nonresidential 2013 Building Energy Efficiency Standards.

This program developed by EnergySoft, LLC – www.energysoft.com.

EnergyPro 6.7 by EnergySoft *User Number: 4958* *ID:*

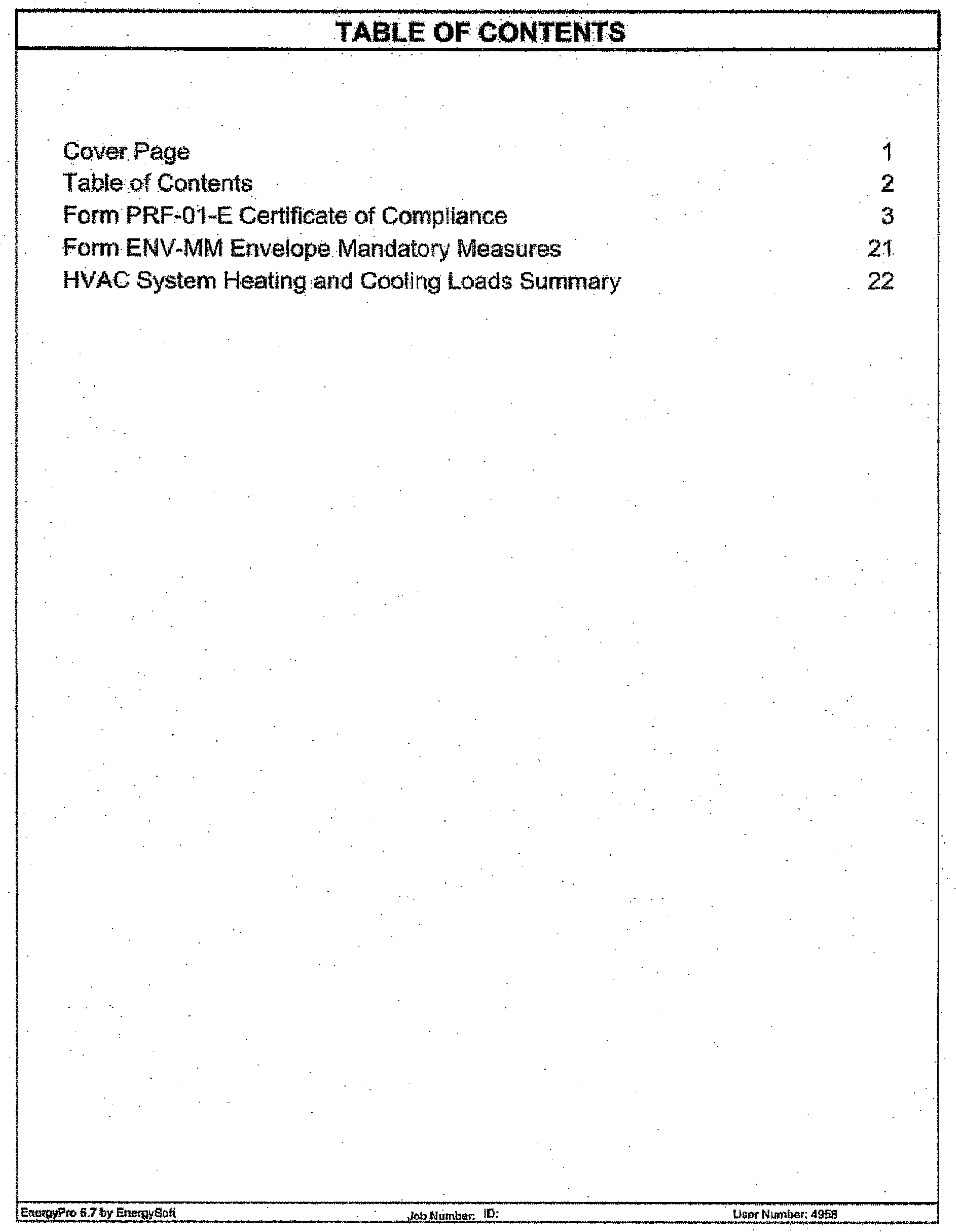
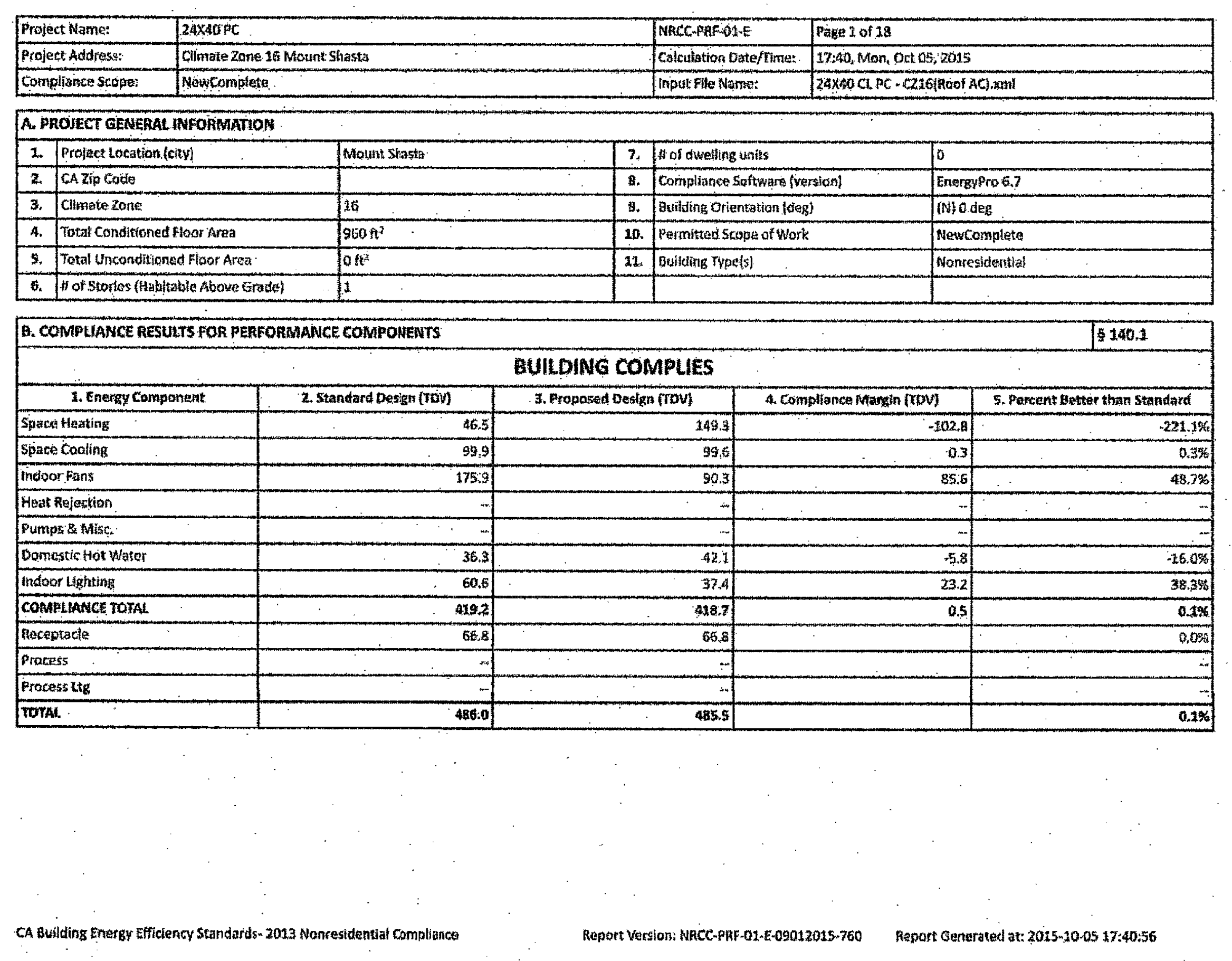


TABLE OF CONTENTS

Cover Page 1
Table of Contents 2
Form PRF-01-E Certificate of Compliance 3
Form ENV-MM Envelope Mandatory Measures 21
HVAC System Heating and Cooling Loads Summary 22

EnergyPro 6.7 by EnergySoft Job Number: ID: User Number: 4958



Project Name:	24X40 PC	NRCC-PRF-01-E	Page 1 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

A. PROJECT GENERAL INFORMATION

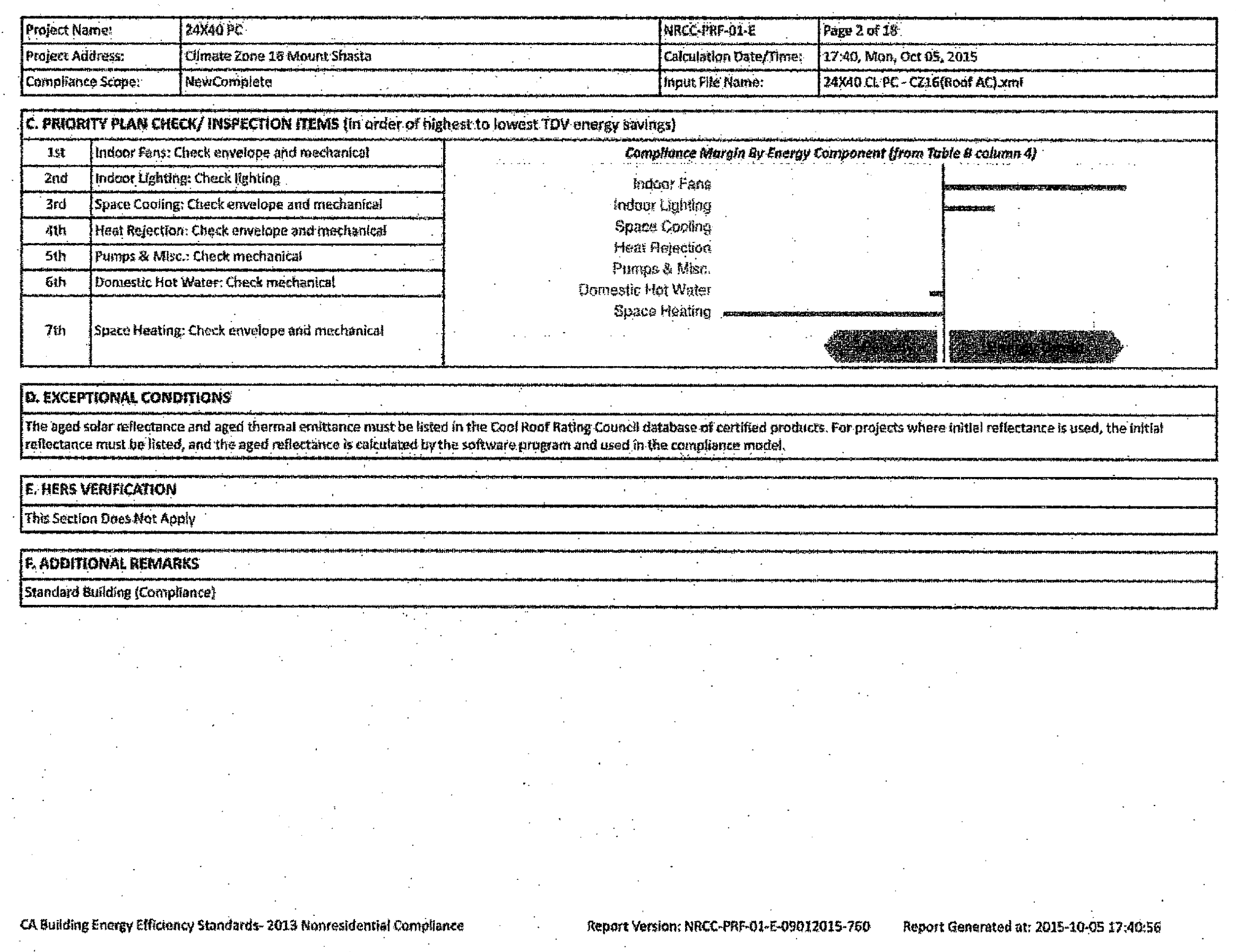
1.	Project Location (city)	Mount Shasta	7.	# of dwelling units	0
2.	CA Zip Code		8.	Compliance Software (version)	EnergyPro 6.7
3.	Climate Zone	16	9.	Building Orientation (deg)	(N) 0 deg
4.	Total Conditioned Floor Area	960 ft²	10.	Permitted Scope of Work	NewComplete
5.	Total Unconditioned Floor Area	0 ft²	11.	Building Type(s)	Nonresidential
6.	# of Stories (Habitable Above Grade)	1			

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS § 140.1

BUILDING COMPLIES

1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	46.5	149.3	-102.8	-221.1%
Space Cooling	99.9	99.6	0.3	0.3%
Indoor Fans	175.9	90.3	85.6	48.7%
Heat Rejection	--	--	--	--
Pumps & Misc.	--	--	--	--
Domestic Hot Water	36.3	42.1	-5.8	-16.0%
Indoor Lighting	60.6	37.4	23.2	38.3%
COMPLIANCE TOTAL	**419.2**	**418.7**	**0.5**	**0.1%**
Receptacle	66.8	66.8		0.0%
Process	--	--		--
Process Ltg	--	--		--
TOTAL	**486.0**	**485.5**		**0.1%**

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09012015-760 Report Generated at: 2015-10-05 17:40:56



Project Name:	24X40 PC	NRCC-PRF-01-E	Page 2 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

C. PRIORITY PLAN CHECK/ INSPECTION ITEMS (in order of highest to lowest TDV energy savings)

1st	Indoor Fans: Check envelope and mechanical
2nd	Indoor Lighting: Check lighting
3rd	Space Cooling: Check envelope and mechanical
4th	Heat Rejection: Check envelope and mechanical
5th	Pumps & Misc.: Check mechanical
6th	Domestic Hot Water: Check mechanical
7th	Space Heating: Check envelope and mechanical

Compliance Margin By Energy Component (from Table B column 4)

D. EXCEPTIONAL CONDITIONS

The aged solar reflectance and aged thermal emittance must be listed in the Cool Roof Rating Council database of certified products. For projects where initial reflectance is used, the initial reflectance must be listed, and the aged reflectance is calculated by the software program and used in the compliance model.

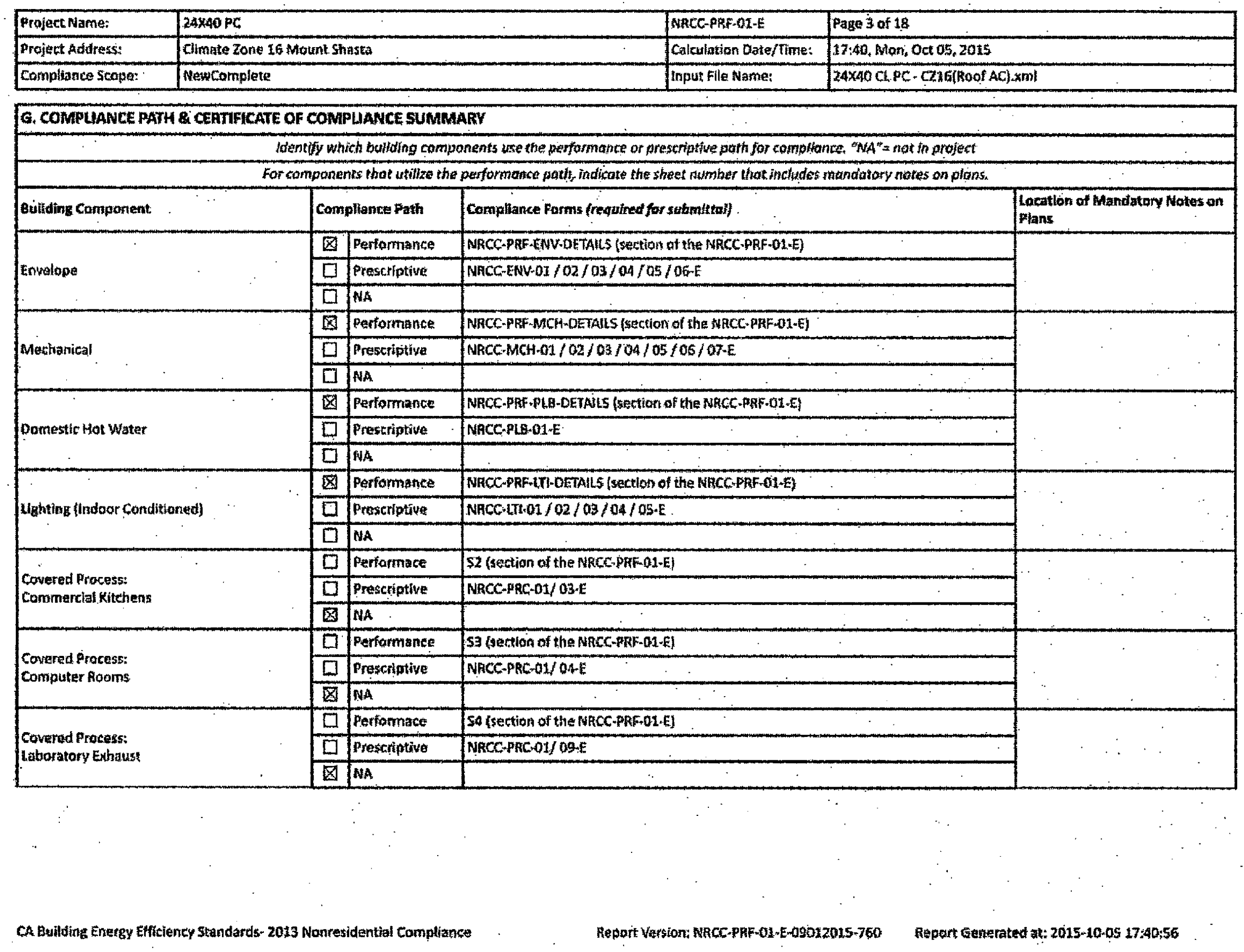
E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

Standard Building (Compliance)

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09012015-760 Report Generated at: 2015-10-05 17:40:56



Project Name:	24X40 PC	NRCC-PRF-01-E	Page 3 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

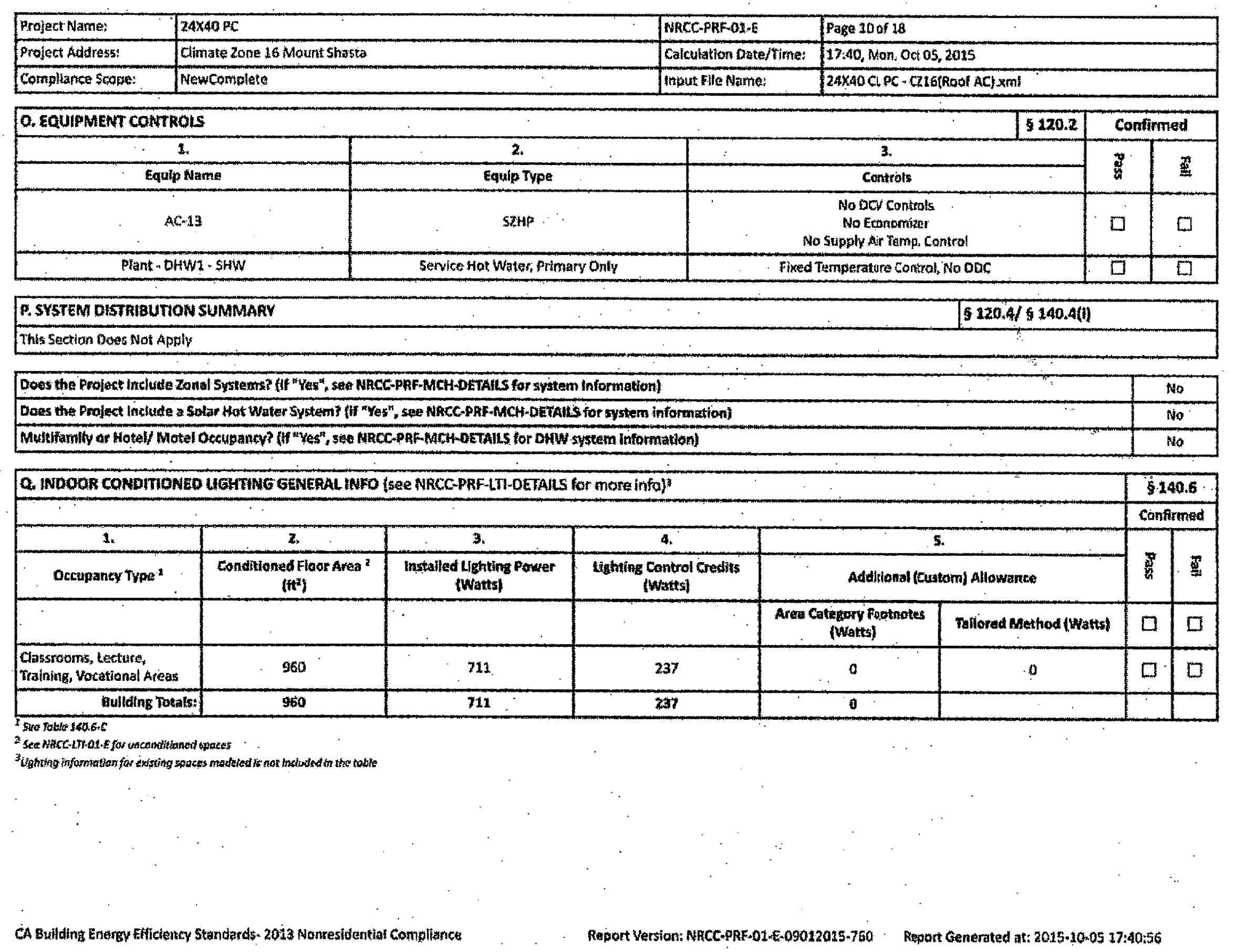
G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

Identify which building components use the performance or prescriptive path for compliance. "NA"= not in project

For components that utilize the performance path, indicate the sheet number that includes mandatory notes on plans.

Building Component	Compliance Path		Compliance Forms *(required for submittal)*	Location of Mandatory Notes on Plans
Envelope	☒	Performance	NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E	
	☐	NA		
Mechanical	☒	Performance	NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E	
	☐	NA		
Domestic Hot Water	☒	Performance	NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PLB-01-E	
	☐	NA		
Lighting (Indoor Conditioned)	☒	Performance	NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	
	☐	NA		
Covered Process: Commercial Kitchens	☐	Performace	S2 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 03-E	
	☒	NA		
Covered Process: Computer Rooms	☐	Performance	S3 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 04-E	
	☒	NA		
Covered Process: Laboratory Exhaust	☐	Performace	S4 (section of the NRCC-PRF-01-E)	
	☐	Prescriptive	NRCC-PRC-01/ 09-E	
	☒	NA		

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09012015-760 Report Generated at: 2015-10-05 17:40:56



Project Name:	24X40 PC	NRCC-PRF-01-E	Page 10 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

O. EQUIPMENT CONTROLS § 120.2

1. Equip Name	2. Equip Type	3. Controls	Confirmed: Pass	Confirmed: Fail
AC-13	SZHP	No DCV Controls No Economizer No Supply Air Temp. Control	☐	☐
Plant - DHW1 - SHW	Service Hot Water, Primary Only	Fixed Temperature Control, No DDC	☐	☐

P. SYSTEM DISTRIBUTION SUMMARY § 120.4/ § 140.4(l)

This Section Does Not Apply

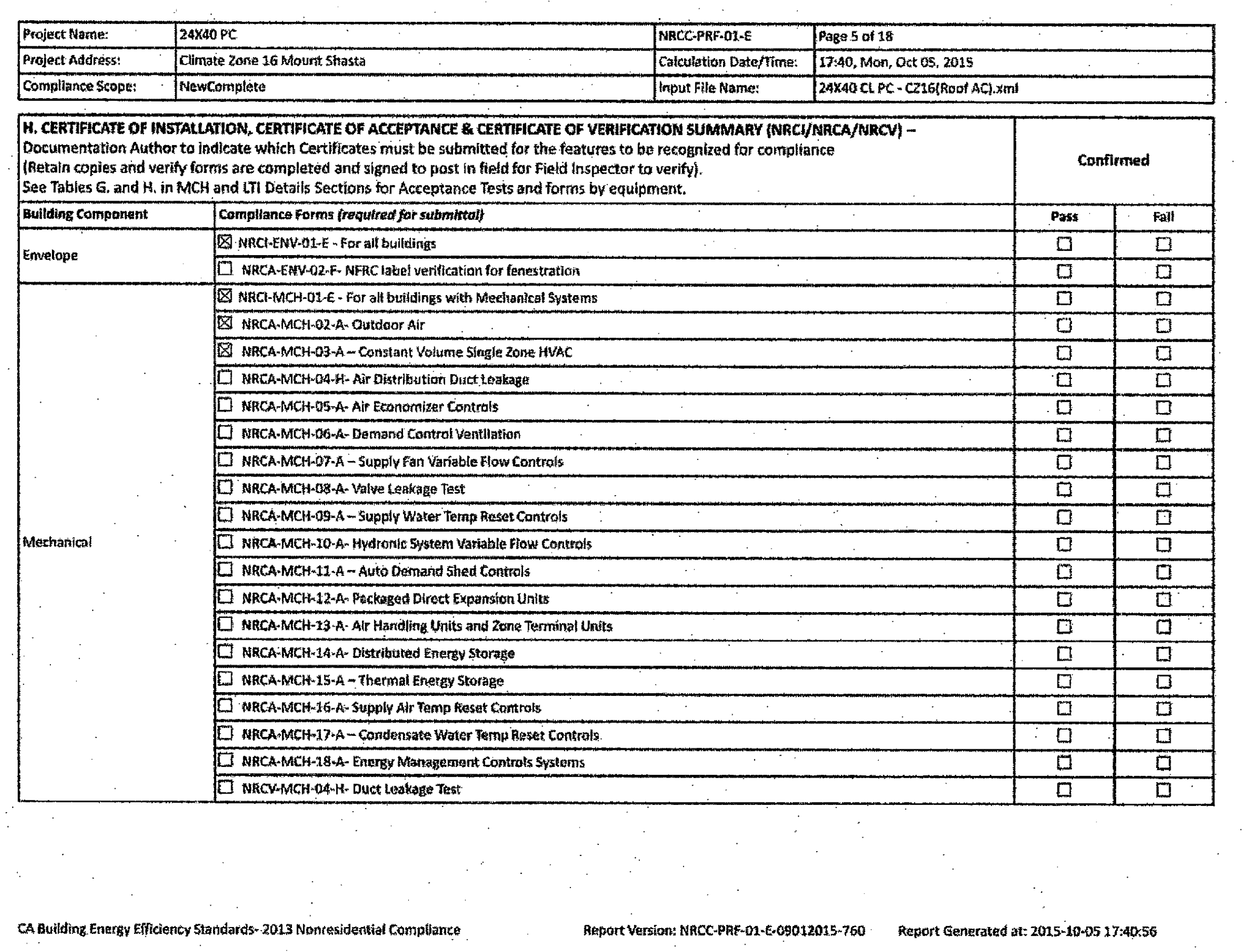
Does the Project include Zonal Systems? (If "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Does the Project include a Solar Hot Water System? (If "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Multifamily or Hotel/ Motel Occupancy? (If "Yes", see NRCC-PRF-MCH-DETAILS for DHW system information)	No

Q. INDOOR CONDITIONED LIGHTING GENERAL INFO (see NRCC-PRF-LTI-DETAILS for more info)[3] § 140.6

1. Occupancy Type [1]	2. Conditioned Floor Area [2] (ft²)	3. Installed Lighting Power (Watts)	4. Lighting Control Credits (Watts)	5. Additional (Custom) Allowance: Area Category Footnotes (Watts)	5. Additional (Custom) Allowance: Tailored Method (Watts)	Confirmed: Pass	Confirmed: Fail
						☐	☐
Classrooms, Lecture, Training, Vocational Areas	960	711	237	0	0	☐	☐
Building Totals:	960	711	237	0			

[1] See Table 140.6-C
[2] See NRCC-LTI-01-E for unconditioned spaces
[3] Lighting information for existing spaces modeled is not included in the table

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09012015-760 Report Generated at: 2015-10-05 17:40:56

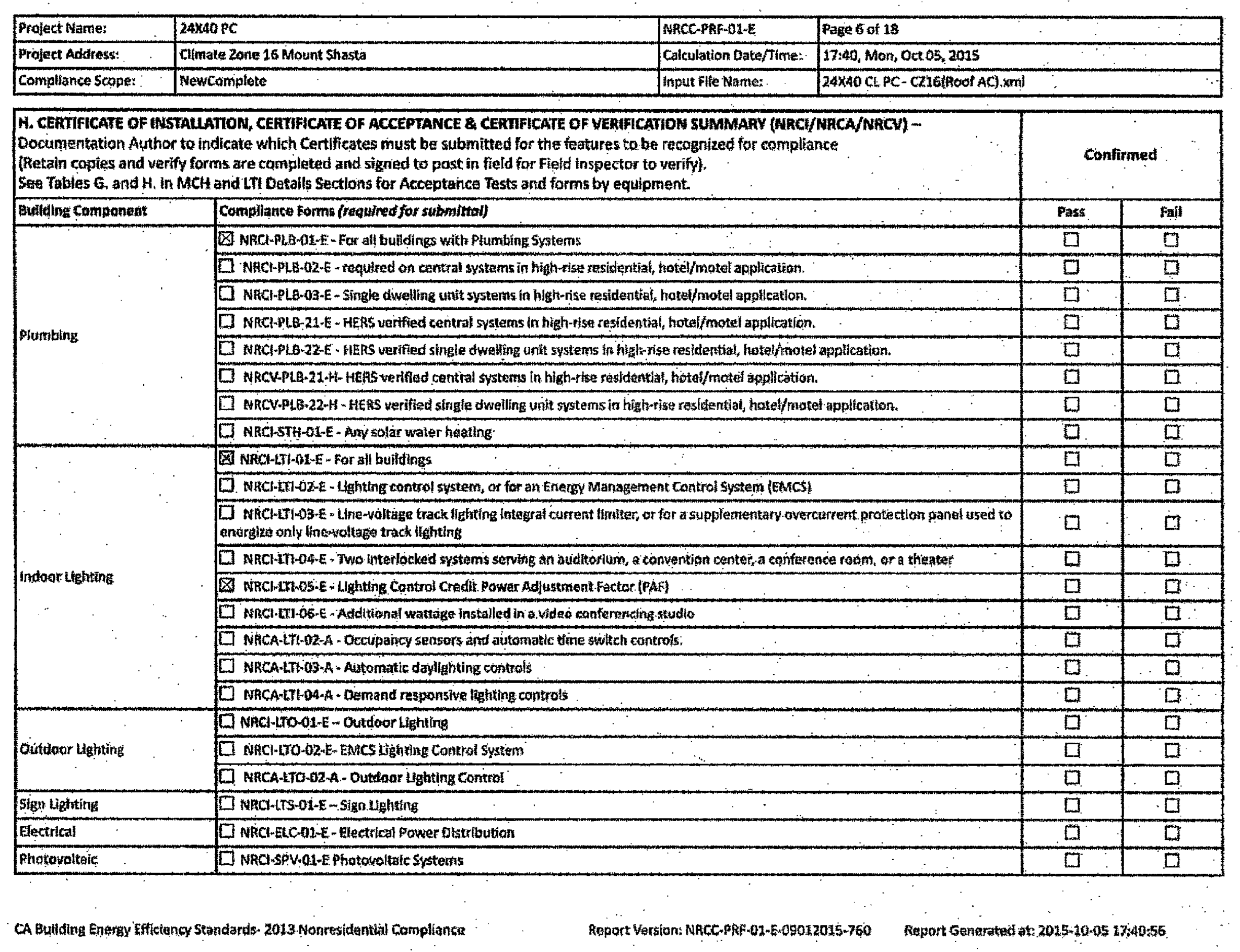


Project Name:	24X40 PC	NRCC-PRF-01-E	Page 5 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed: Pass	Confirmed: Fail
Envelope	☒ NRCI-ENV-01-E - For all buildings	☐	☐
	☐ NRCA-ENV-02-F- NFRC label verification for fenestration	☐	☐
Mechanical	☒ NRCI-MCH-01-E - For all buildings with Mechanical Systems	☐	☐
	☒ NRCA-MCH-02-A- Outdoor Air	☐	☐
	☒ NRCA-MCH-03-A – Constant Volume Single Zone HVAC	☐	☐
	☐ NRCA-MCH-04-H- Air Distribution Duct Leakage	☐	☐
	☐ NRCA-MCH-05-A- Air Economizer Controls	☐	☐
	☐ NRCA-MCH-06-A- Demand Control Ventilation	☐	☐
	☐ NRCA-MCH-07-A – Supply Fan Variable Flow Controls	☐	☐
	☐ NRCA-MCH-08-A- Valve Leakage Test	☐	☐
	☐ NRCA-MCH-09-A – Supply Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-10-A- Hydronic System Variable Flow Controls	☐	☐
	☐ NRCA-MCH-11-A – Auto Demand Shed Controls	☐	☐
	☐ NRCA-MCH-12-A- Packaged Direct Expansion Units	☐	☐
	☐ NRCA-MCH-13-A- Air Handling Units and Zone Terminal Units	☐	☐
	☐ NRCA-MCH-14-A- Distributed Energy Storage	☐	☐
	☐ NRCA-MCH-15-A – Thermal Energy Storage	☐	☐
	☐ NRCA-MCH-16-A- Supply Air Temp Reset Controls	☐	☐
	☐ NRCA-MCH-17-A – Condensate Water Temp Reset Controls	☐	☐
	☐ NRCA-MCH-18-A- Energy Management Controls Systems	☐	☐
	☐ NRCV-MCH-04-H- Duct Leakage Test	☐	☐

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09012015-760 Report Generated at: 2015-10-05 17:40:56

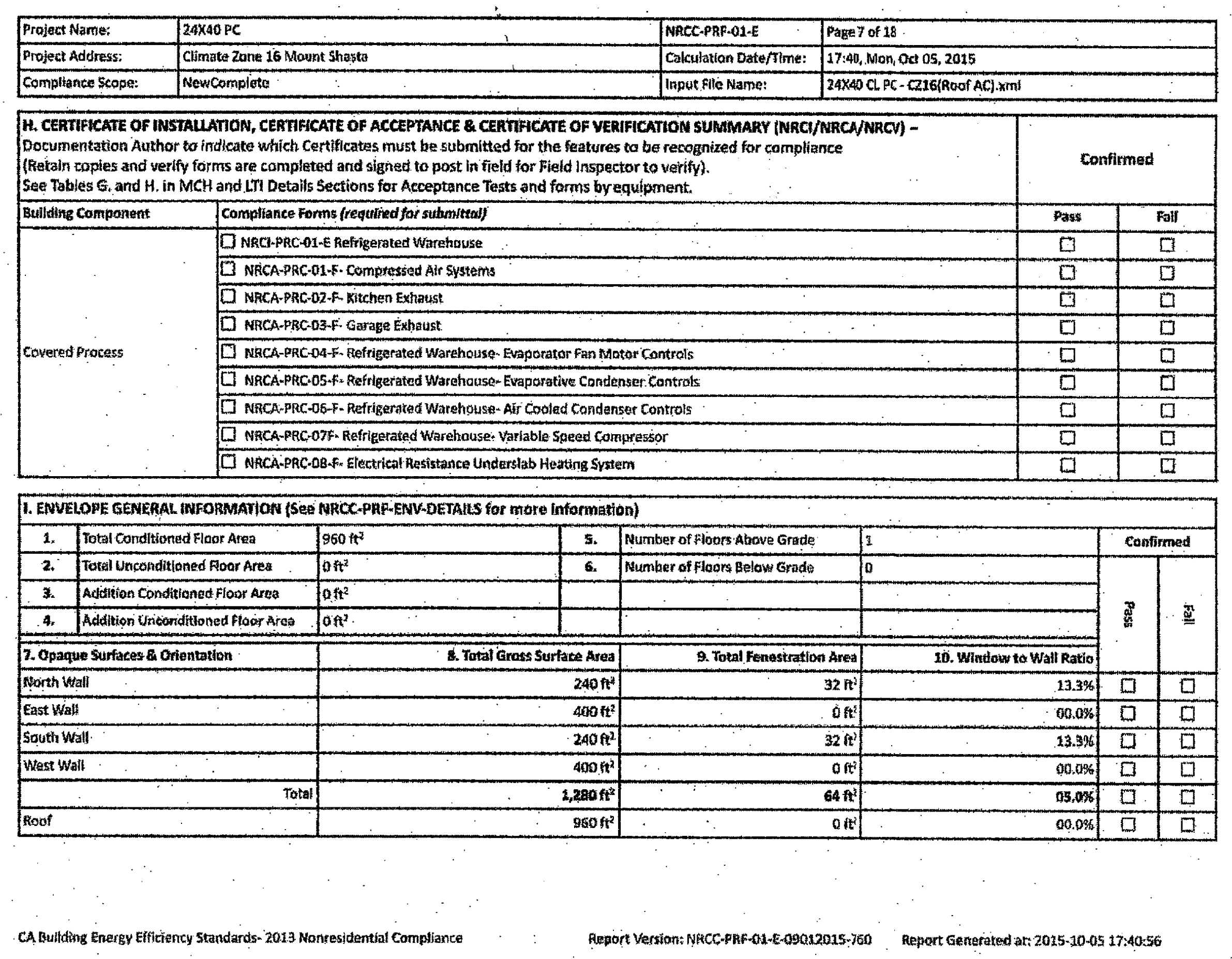


Project Name:	24X40 PC	NRCC-PRF-01-E	Page 6 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

Building Component	Compliance Forms *(required for submittal)*	Confirmed: Pass	Confirmed: Fail
Plumbing	☒ NRCI-PLB-01-E - For all buildings with Plumbing Systems	☐	☐
	☐ NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-21-H- HERS verified central systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	☐	☐
	☐ NRCI-STH-01-E - Any solar water heating	☐	☐
Indoor Lighting	☒ NRCI-LTI-01-E - For all buildings	☐	☐
	☐ NRCI-LTI-02-E - Lighting control system, or for an Energy Management Control System (EMCS)	☐	☐
	☐ NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting	☐	☐
	☐ NRCI-LTI-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a theater	☐	☐
	☒ NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor (PAF)	☐	☐
	☐ NRCI-LTI-06-E - Additional wattage installed in a video conferencing studio	☐	☐
	☐ NRCA-LTI-02-A - Occupancy sensors and automatic time switch controls.	☐	☐
	☐ NRCA-LTI-03-A - Automatic daylighting controls	☐	☐
	☐ NRCA-LTI-04-A - Demand responsive lighting controls	☐	☐
Outdoor Lighting	☐ NRCI-LTO-01-E – Outdoor Lighting	☐	☐
	☐ NRCI-LTO-02-E- EMCS Lighting Control System	☐	☐
	☐ NRCA-LTO-02-A - Outdoor Lighting Control	☐	☐
Sign Lighting	☐ NRCI-LTS-01-E – Sign Lighting	☐	☐
Electrical	☐ NRCI-ELC-01-E - Electrical Power Distribution	☐	☐
Photovoltaic	☐ NRCI-SPV-01-E Photovoltaic Systems	☐	☐

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09012015-760 Report Generated at: 2015-10-05 17:40:56



Project Name:	24X40 PC	NRCC-PRF-01-E	Page 7 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) –
Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance
(Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).
See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.

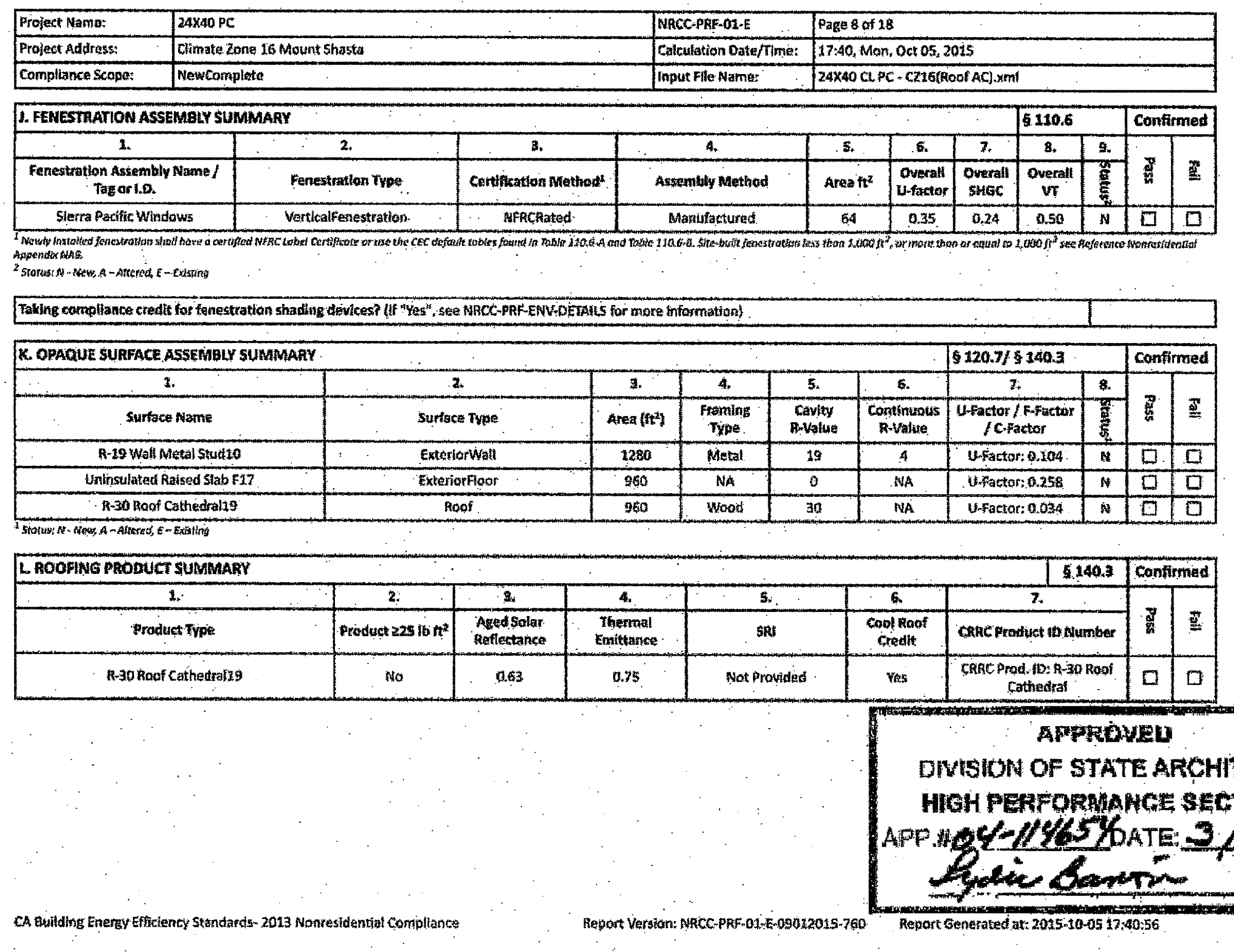
Building Component	Compliance Forms *(required for submittal)*	Confirmed: Pass	Confirmed: Fail
Covered Process	☐ NRCI-PRC-01-E Refrigerated Warehouse	☐	☐
	☐ NRCA-PRC-01-F- Compressed Air Systems	☐	☐
	☐ NRCA-PRC-02-F- Kitchen Exhaust	☐	☐
	☐ NRCA-PRC-03-F- Garage Exhaust	☐	☐
	☐ NRCA-PRC-04-F- Refrigerated Warehouse- Evaporator Fan Motor Controls	☐	☐
	☐ NRCA-PRC-05-F- Refrigerated Warehouse- Evaporative Condenser Controls	☐	☐
	☐ NRCA-PRC-06-F- Refrigerated Warehouse- Air Cooled Condenser Controls	☐	☐
	☐ NRCA-PRC-07F- Refrigerated Warehouse- Variable Speed Compressor	☐	☐
	☐ NRCA-PRC-08-F- Electrical Resistance Underslab Heating System	☐	☐

I. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)

1.	Total Conditioned Floor Area	960 ft²	5.	Number of Floors Above Grade	1
2.	Total Unconditioned Floor Area	0 ft²	6.	Number of Floors Below Grade	0
3.	Addition Conditioned Floor Area	0 ft²			
4.	Addition Unconditioned Floor Area	0 ft²			

7. Opaque Surfaces & Orientation	8. Total Gross Surface Area	9. Total Fenestration Area	10. Window to Wall Ratio	Confirmed: Pass	Confirmed: Fail
North Wall	240 ft²	32 ft²	13.3%	☐	☐
East Wall	400 ft²	0 ft²	00.0%	☐	☐
South Wall	240 ft²	32 ft²	13.3%	☐	☐
West Wall	400 ft²	0 ft²	00.0%	☐	☐
Total	**1,280 ft²**	**64 ft²**	**05.0%**	☐	☐
Roof	960 ft²	0 ft²	00.0%	☐	☐

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09012015-760 Report Generated at: 2015-10-05 17:40:56



Project Name:	24X40 PC	NRCC-PRF-01-E	Page 8 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

J. FENESTRATION ASSEMBLY SUMMARY § 110.6

1. Fenestration Assembly Name / Tag or I.D.	2. Fenestration Type	3. Certification Method[1]	4. Assembly Method	5. Area ft²	6. Overall U-factor	7. Overall SHGC	8. Overall VT	9. Status[2]	Confirmed: Pass	Confirmed: Fail
Sierra Pacific Windows	VerticalFenestration	NFRCRated	Manufactured	64	0.35	0.24	0.50	N	☐	☐

[1] Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Site-built fenestration less than 1,000 ft², or more than or equal to 1,000 ft² see Reference Nonresidential Appendix NA6.
[2] Status: N - New, A – Altered, E – Existing

Taking compliance credit for fenestration shading devices? (If "Yes", see NRCC-PRF-ENV-DETAILS for more information)	

K. OPAQUE SURFACE ASSEMBLY SUMMARY § 120.7/ § 140.3

1. Surface Name	2. Surface Type	3. Area (ft²)	4. Framing Type	5. Cavity R-Value	6. Continuous R-Value	7. U-Factor / F-Factor / C-Factor	8. Status[1]	Confirmed: Pass	Confirmed: Fail
R-19 Wall Metal Stud10	ExteriorWall	1280	Metal	19	4	U-Factor: 0.104	N	☐	☐
Uninsulated Raised Slab F17	ExteriorFloor	960	NA	0	NA	U-Factor: 0.258	N	☐	☐
R-30 Roof Cathedral19	Roof	960	Wood	30	NA	U-Factor: 0.034	N	☐	☐

[1] Status: N - New, A – Altered, E – Existing

L. ROOFING PRODUCT SUMMARY § 140.3

1. Product Type	2. Product ≥25 lb ft²	3. Aged Solar Reflectance	4. Thermal Emittance	5. SRI	6. Cool Roof Credit	7. CRRC Product ID Number	Confirmed: Pass	Confirmed: Fail
R-30 Roof Cathedral19	No	0.63	0.75	Not Provided	Yes	CRRC Prod. ID: R-30 Roof Cathedral	☐	☐

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.#04-114654 DATE: 3/14/16

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance Report Version: NRCC-PRF-01-E-09012015-760 Report Generated at: 2015-10-05 17:40:56

C:\Users\Rick\Documents\15046 - Aries, 24x40 PC - MainFile_Rick.rvt

3/11/2016 3:22:43 PM

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 Bernardo Plaza Ct. Suite 105
San Diego, CA 92128 858.444.3344
www.rstavares.com

PROFESSIONAL STAMP
MANNY D. FRISBIE
No. S3380
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE 2013 CBC A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
RESERVED FOR
T24 ENERGY
CALCS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
M1.0

SHEET OF SHEETS

ADDENDUM

Project Name:	24X40 PC	NRCC-PRF-01-E	Page 9 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information) § 110.1 / § 110.2

Dry System Equipment [1] (Fan & Economizer info included below in Table N)

1. Equip Name	2. Equip Type	3. System Type (Simple [3] or Complex [4])	4. Qty	5. Total Heating Output (kBtu/h)	6. Supp Heat Source (Y/N)	7. Supp Heat Output (kBtuh)	8. Total Cooling Output (kBtu/h)	9. Efficiency: Cooling	9. Efficiency: Heating	10. Acceptance Testing Required? (Y/N) [5]	11. Status [6]	Confirmed: Pass	Confirmed: Fail
AC-13	SZHP	Simple	1	47	No	0	44	SEER-13.0	HSPF-7.8	Yes	N	☐	☐

Wet System Equipment [2] / Pumps

12. Equip Name	13. Equip Type	14. Qty	15. Vol (gal)	16. Rated Capacity (kBtu/h)	17. Efficiency	18. Standby Loss	19. Tank Ext. R Value	20. Pumps: Qty	21. Pumps: GPM	22. Pumps: HP	23. Pumps: VSD (Y/N)	24. Status [6]	Confirmed: Pass	Confirmed: Fail
Standard Gas 50 gal or Le2	Storage	1	50	40	EF: 0.575	NA	NA	NA	NA	NA	No	N	☐	☐

[1] Dry System Equipment includes furnaces, air handling units, heat pumps, etc.
[2] Wet System Equipment includes boilers, chillers, cooling towers, water heaters, etc.
[3] Simple Systems must complete NRCC-CXR-03-E commissioning design review form
[4] Complex Systems must complete NRCC-CXR-04-E commissioning design review form
[5] A summary of which acceptance tests are applicable is provided in NRCC-PRF-MCH-DETAILS
[6] Status: N - New, A – Altered, E – Existing

Discrepancy between modeled and designed equipment sizing? (if "Yes", see Table F. "Additional Remarks" for an explanation)	No

N. ECONOMIZER & FAN SYSTEMS SUMMARY [1] § 140.4

1. Equip Name	2. Outside Air CFM	3. Supply Fan CFM	Supply Fan HP	Supply Fan BHP	Supply Fan TSP (inch WC)	Supply Fan Control	4. Return Fan CFM	Return Fan HP	Return Fan BHP	Return Fan TSP (inch WC)	Return Fan Control	5. Economizer Type (if present)	Confirmed: Pass	Confirmed: Fail
AC-13	960	1600	0.700	0.700	1.39	ConstantVolume	NA	NA	NA	NA	NA	NoEconomizer	☐	☐

[1] Mechanical ventilation calculations and exhaust fans are included in the NRCC-PRF-MCH-DETAILS section

---

Project Name:	24X40 PC	NRCC-PRF-01-E	Page 4 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY

The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project.

Yes	NA	Prescriptive Requirement	Compliance Forms
☐	☒	Lighting (Indoor Unconditioned) §140.6	NRCC-LTI-01 / 02 / 03 / 04 / 05-E
☐	☒	Lighting (Outdoor) §140.7	NRCC-LTO-01 / 02 / 03-E
☐	☒	Lighting (Sign) §140.8	NRCC-LTS-01-E
☐	☒	Solar Thermal Water Heating: §140.5	NRCC-STH-01-E

The following building components may have mandatory requirements per Part 6. Indicate which are relevant to the project.

Yes	NA	Mandatory Requirement	Compliance Forms
		Commissioning: §120.8	
☐	☒	Simple Systems	NRCC-CXR-01 / 02 / 03 / 05-E
☐	☒	ComplexSystems	NRCC-CXR-01 / 02 / 04 / 05-E
☐	☒	Electrical: §130.5	NRCC-ELC-01-E
☐	☒	Solar Ready: §110.10	NRCC-SRA-01 / 02-E
		Covered Process: §120.6	NRCC-PRC-01-E
☐	☒	Parking Garage	NRCC-PRC-02-E
☐	☒	Commercial Refrigeration	NRCC-PRC-05-E
☐	☒	Warehouse Refrigeration	NRCC-PRC-06/07/08-E
☐	☒	Compressed Air	NRCC-PRC-10-E
☐	☒	ProcessBoilers	NRCC-PRC-11-E

Project Name:	24X40 PC	NRCC-PRF-01-E	Page 11 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

R. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E)[1] § 130.0

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in offices) — Installed Watts (Conditioned)

Name or Item Tag	Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per luminaire	How Wattage is Determined: CEC Default from NA8	How Wattage is Determined: According to §130.0(c)	Total Number Luminaires	Installed Watts	Confirmed: Pass	Confirmed: Fail
L-1	3 Lamp 4 ft T8 Energy Savings Elec	79	Yes	No	12	948	☐	☐

[1] If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.

S1. COVERED PROCESS SUMMARY – ENCLOSED PARKING GARAGES § 140.9

This Section Does Not Apply

S2. COVERED PROCESS SUMMARY – COMMERCIAL KITCHENS § 140.9

This Section Does Not Apply

S3. COVERED PROCESS SUMMARY – COMPUTER ROOMS § 140.9

This Section Does Not Apply

S4. COVERED PROCESS SUMMARY – LABORATORY EXHAUSTS § 140.9

This Section Does Not Apply

T. UNMET LOAD HOURS

Thermal Zone Name	Cooling Unmet Load Hour Limit for Thermal Zone	Proposed Cooling Unmet Load Hours	Heating Unmet Load Hour Limit for Thermal Zone	Proposed Heating Unmet Load Hours
1-First Floor	150	10	150	692.5

U. ENERGY USE SUMMARY

	Electric (kWh/yr)	Natural Gas (therms/yr)
Total Annual Baseline	14035	457.963
Total Annual Proposed	17433.1	245.278

Project Name:	24X40 PC	NRCC-PRF-01-E	Page 12 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT § 10-103

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: LAL SAHGAL	Signature: Lal Sahgal
Company: LSA CONSULTING ENGINEERS	
Address: 83, Windswept Way	Signature Date: 3-10-16
City/State/Zip: Mission Viejo Ca. 92692	CEA Identification (If applicable):
Phone: (949) 830-4746	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Responsible Envelope Designer Name:	Signature:	
Company: R&S Tavares Associates		
Address: 11777 Bernardo Plaza Ct. Suite 105	Date Signed: 03/10/2016	
City/State/Zip: San Diego Ca. 92128	Declaration Statement Type:	
Phone: 858-444-3344	Title: Principal	License #: 60484
Responsible Lighting Designer Name:	Signature:	
Company: R&S Tavares Associates		
Address: 11777 Bernardo Plaza Ct. Suite 105	Date Signed: 03/10/2016	
City/State/Zip: San Diego Ca. 92128	Declaration Statement Type:	
Phone: 858-444-3344	Title: Principal	License #: 60484
Responsible Mechanical Designer Name: Lal Sahgal	Signature: Lal Sahgal	
Company: LSA Consulting Engineers		
Address: 83, Windswept Way	Date Signed: 3-10-16	
City/State/Zip: Mission Viejo Ca. 92692	Declaration Statement Type:	
Phone:	Title: OWNER	License #: M26885

Project Name:	24X40 PC	NRCC-PRF-01-E	Page 13 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CLPC - CZ16(Roof AC).xml

NRCC-PRF-ENV-DETAILS -SECTION START-

A. OPAQUE SURFACE ASSEMBLY DETAILS

1. Surface Name	2. Surface Type	3. Description of Assembly Layers	4. Notes	Confirmed: Pass	Confirmed: Fail
R-19 Wall Metal Stud10	ExteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Metal framed wall, 16in. OC, 5.5in., R-19 Gypsum Board - 1/2 in. Expanded Polystyrene - EPS - 1 in. R4.2		☐	☐
Uninsulated Raised Slab F17	ExteriorFloor	Compliance Insulation R0.10 Concrete - 140 lb/ft3 - 4 in. Carpet - 3/4 in.		☐	☐
R-30 Roof Cathedral19	Roof	Asphalt shingles - 1/4 in. Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Wood framed roof, 16in. OC, 11.25in., R-30 Gypsum Board - 1/2 in.		☐	☐

B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E)

This Section Does Not Apply

C. OPAQUE DOOR SUMMARY

1. Opaque Door Assembly Name / Tag or I.D.	2. Door Type	3. Certification Method	4. Operation	5. Overall U-factor	Confirmed: Pass	Confirmed: Fail

---

Project Name:	24X40 PC	NRCC-PRF-01-E	Page 14 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

NRCC-PRF-MCH-DETAILS -SECTION START-

A. MECHANICAL VENTILATION AND REHEAT *(Adapted from 2013-NRCC-MCH-03-E)*

CONDITIONED ZONE NAME	1. DESIGN AIR FLOWS: HEATING / COOLING SYSTEM ID	DESIGN PRIMARY AIR FLOW (CFM)	DESIGN PRIMARY MINIMUM AIR FLOW (CFM)	MINIMUM PRIMARY AIR FLOW FRACTION	MAXIMUM HEATING AIR FLOW (CFM)	MAXIMUM HEATING AIR FLOW FRACTION	DDC CONTROL (Y/N)	2. VENTILATION (§ 120.1): VENT SYSTEM ID	CONDITIONED AREA (ft2)	MIN. VENT PER AREA (CFM/ft2)	DESIGN NUM. OF PEOPLE	MIN. VENT PER PERSON (CFM/person)	REQ'D VENT AIR FLOW (CFM)	DESIGN VENT AIR FLOW (CFM)	TRANSFER AIRFLOW (CFM)	DCV (Y/N)	Confirmed: Pass	Confirmed: Fail
1-First Floor	AC-13	1,600	NA	NA	NA	NA	N	AC-13	960	0.50	64	7.5	480	960	NA	N	☐	☐
								TOTAL	960		64		480	960	NA		☐	☐

B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY § 140.4

1. System ID	2. System Type	3. Qty	4. Rated Capacity (kBtuh): Heating	Rated Capacity (kBtuh): Cooling	5. Economizer	6. Zone Name	7. Airflow (cfm): Design	Airflow (cfm): Min.	Airflow (cfm): Min. Ratio	8. Fan: BHP	Fan: Cycles	Fan: ECM Motor	Confirmed: Pass	Confirmed: Fail
First Floor5-TRM	Uncontrolled	1	NA	NA	NA	1-First Floor	1600	NA	NA	NA	NA	☐	☐	☐

C. EXHAUST FAN SUMMARY

This Section Does Not Apply

Project Name:	24X40 PC	NRCC-PRF-01-E	Page 15 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

D. DHW EQUIPMENT SUMMARY – *(Adapted from NRCC-PLB-01)* § 110.3

1. DHW Name	2. Fuel	3. Type	4. Qty	5. Distribution Type	6. Rated Input kBtuh	7. Efficiency	8. Pilot Energy (Btu/h)	9. External Tank Insulation	10. Vol	11. Standby Loss	12. Vol. of Suppl. Storage Tank	Confirmed: Pass	Confirmed: Fail
Standard Gas 50 gal or Le2	NaturalGas	Storage	1	Nonrecirculating	40	EF: 0.575	0	NA	50	0	NA	☐	☐

E. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS

This Section Does Not Apply

F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-STH-01)

This Section Does Not Apply

G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS *(Adapted from 2013-NRCC-MCH-01-E)* § RA4

Declaration of Required Acceptance Certificates (NRCA) – Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description: Equipment Requiring Testing or Verification	# of units	MCH-02A Outdoor Air	MCH-03A Single Zone Unitary	MCH-04A Air Dist. Ducts	MCH-05A Economizer Controls	MCH-06A DCV	MCH-07A Supply Fan VAV	MCH-08A Valve leakage	MCH-09A Supply Water Temp. Reset	MCH-10A Hyd. Variable Flow Control	MCH-11A Auto Demand Shed Control	MCH-12A FDD for DX Units	MCH-13A Auto FDD for Air & Zone	MCH-14A Dist. Energy Storage DX AC	MCH-15A TES Systems	MCH-16A Supply Air Temp. Reset	MCH-17A Condenser Water Reset Controls	MCH-18A ECMS	Confirmed: Pass	Confirmed: Fail
Plant - DHW1 - SHW	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐
AC-13	1	X	X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	☐	☐

Project Name:	24X40 PC	NRCC-PRF-01-E	Page 16 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CI PC - CZ16(Roof AC).xml

NRCC-PRF-LTI-DETAILS -SECTION START-

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E) § 140.6

Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)2 and Table 140.6-A) — Control Credit Calculation

Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts	√ If Acceptance Test Required	Confirmed: Pass	Confirmed: Fail
5-1-First Floor	Classrooms, Lecture, Training, Vocational Areas	CombinedManualDimmingPlusPartialOnOccupantSensingControl	1	948	0.25	237	X	☐	☐

B. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LTI-02-E) § 130.1

This Section Does Not Apply

§130.1(a) = Manual area controls; §130.1(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive

C. TAILORED METHOD LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E) § 140.6

General lighting power (see Table D)	0
General lighting power from special function areas (see Table E)	NA
Additional "use it or lose it" (See Table G)	0
Total watts	0

D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-04-E) § 140.6-D

This Section Does Not Apply

E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E) § 140.6(c) 3H

Room Number	Primary Function Area	Illuminance Value (LUX)	Room Cavity Ratio (Table G)	Allowed LPD	Floor Area (ft²)	Allowed Watts	Confirmed: Pass	Confirmed: Fail
NA	NA	NA	NA	NA	NA	NA	☐	☐

Note: Tailored Method for Special Function Areas is not currently implemented

---

Project Name:	24X40 PC	NRCC-PRF-01-E	Page 17 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

F. ROOM CAVITY RATIO (Adapted from NRCC-LTI-04-E)

Rectangular Spaces

Room Number	Task/Activity Description	Room Length (ft)	Room Width (ft)	Room Cavity Height (ft)	RCR	Confirmed: Pass	Confirmed: Fail
NA	NA	NA	NA	NA	NA	☐	☐

Non-Rectangular Spaces

This Section Does Not Apply

Note: All applicable spaces are listed under the Non-Rectangular Spaces table

G. ADDITIONAL "USE IT OR LOSE IT" (Adapted from NRCC-LTI-04-E)

1. Wall Display	2. Combined Floor Display and Task Lighting	3. Combined Ornamental and Special Effects Lighting	4. Very Valuable Merchandise	Allowed Watts	Confirmed: Pass	Confirmed: Fail
0	0	0	0	0	☐	☐

5. Wall Display

This Section Does Not Apply

6. Floor Display and Task Lighting

This Section Does Not Apply

7. Combined Ornamental and Special Effects Lighting

This Section Does Not Apply

8. Very Valuable Merchandise

This Section Does Not Apply

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 04-114654 DATE: 3/14/16

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3380
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
RESERVED FOR
T24 ENERGY
CALCS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

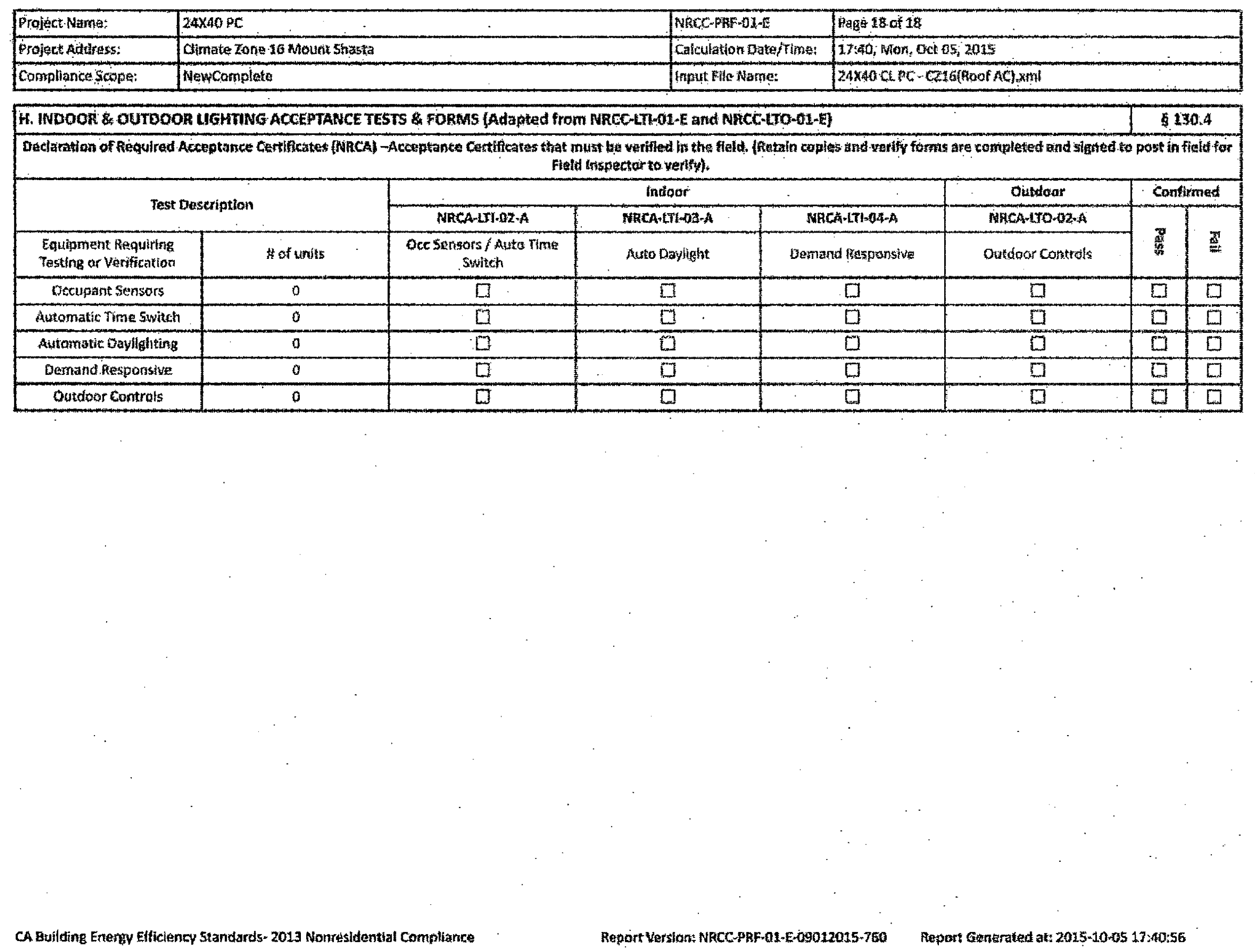
DATE
2016/03/02

SHEET NO.
M2.0

SHEET OF SHEETS

ADDENDUM

C:\Users\Rick\Documents\15046 - Aries, 24x40 PC - MainFile_Rick.rvt
3/11/2016 4:36:55 PM



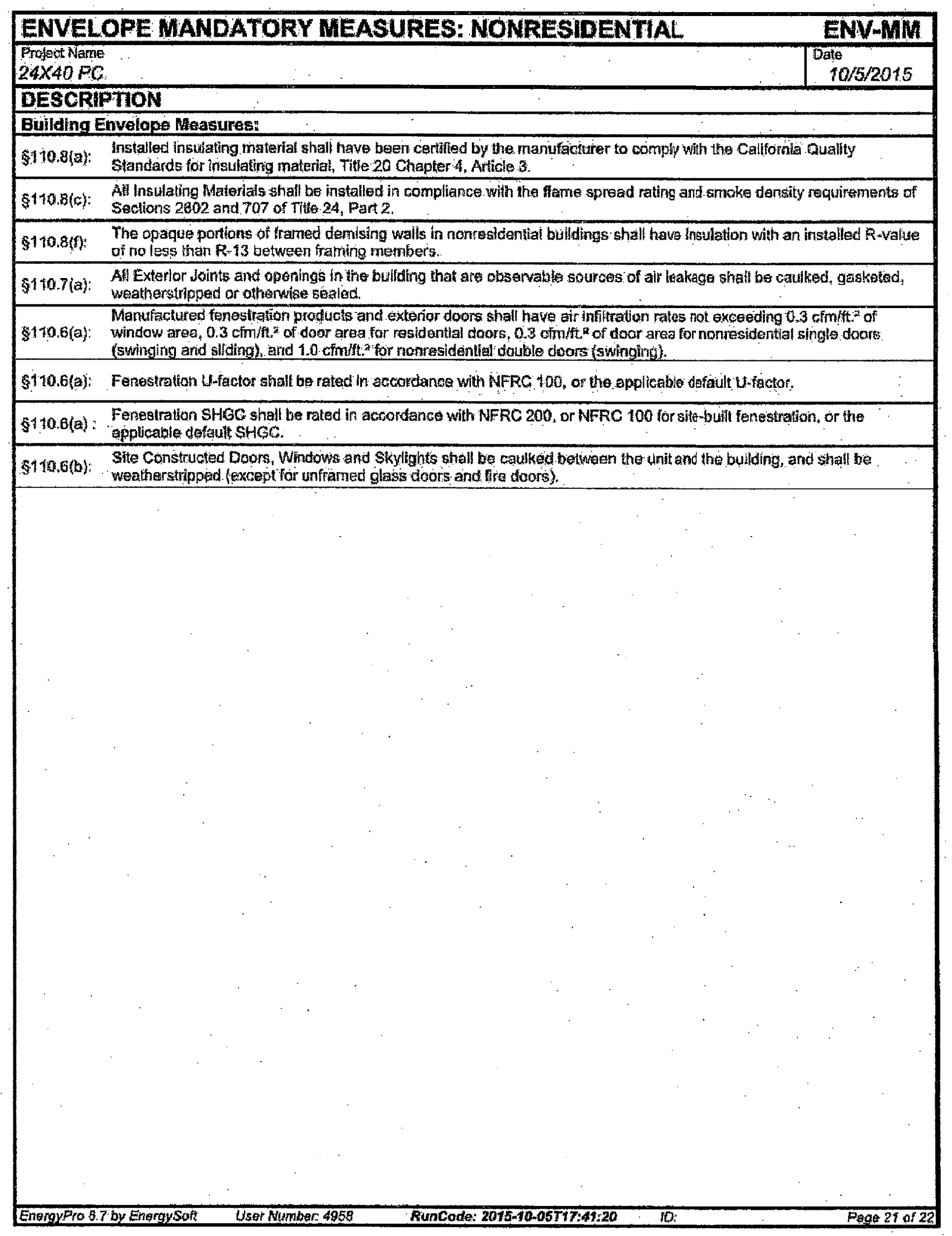
Project Name:	24X40 PC	NRCC-PRF-01-E	Page 18 of 18
Project Address:	Climate Zone 16 Mount Shasta	Calculation Date/Time:	17:40, Mon, Oct 05, 2015
Compliance Scope:	NewComplete	Input File Name:	24X40 CL PC - CZ16(Roof AC).xml

H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-LTI-01-E and NRCC-LTO-01-E) § 130.4

Declaration of Required Acceptance Certificates (NRCA) –Acceptance Certificates that must be verified in the field. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description		Indoor			Outdoor	Confirmed	
		NRCA-LTI-02-A	NRCA-LTI-03-A	NRCA-LTI-04-A	NRCA-LTO-02-A		
Equipment Requiring Testing or Verification	# of units	Occ Sensors / Auto Time Switch	Auto Daylight	Demand Responsive	Outdoor Controls	Pass	Fail
Occupant Sensors	0	☐	☐	☐	☐	☐	☐
Automatic Time Switch	0	☐	☐	☐	☐	☐	☐
Automatic Daylighting	0	☐	☐	☐	☐	☐	☐
Demand Responsive	0	☐	☐	☐	☐	☐	☐
Outdoor Controls	0	☐	☐	☐	☐	☐	☐

CA Building Energy Efficiency Standards- 2013 Nonresidential Compliance   Report Version: NRCC-PRF-01-E-09012015-760   Report Generated at: 2015-10-05 17:40:56



ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL   ENV-MM

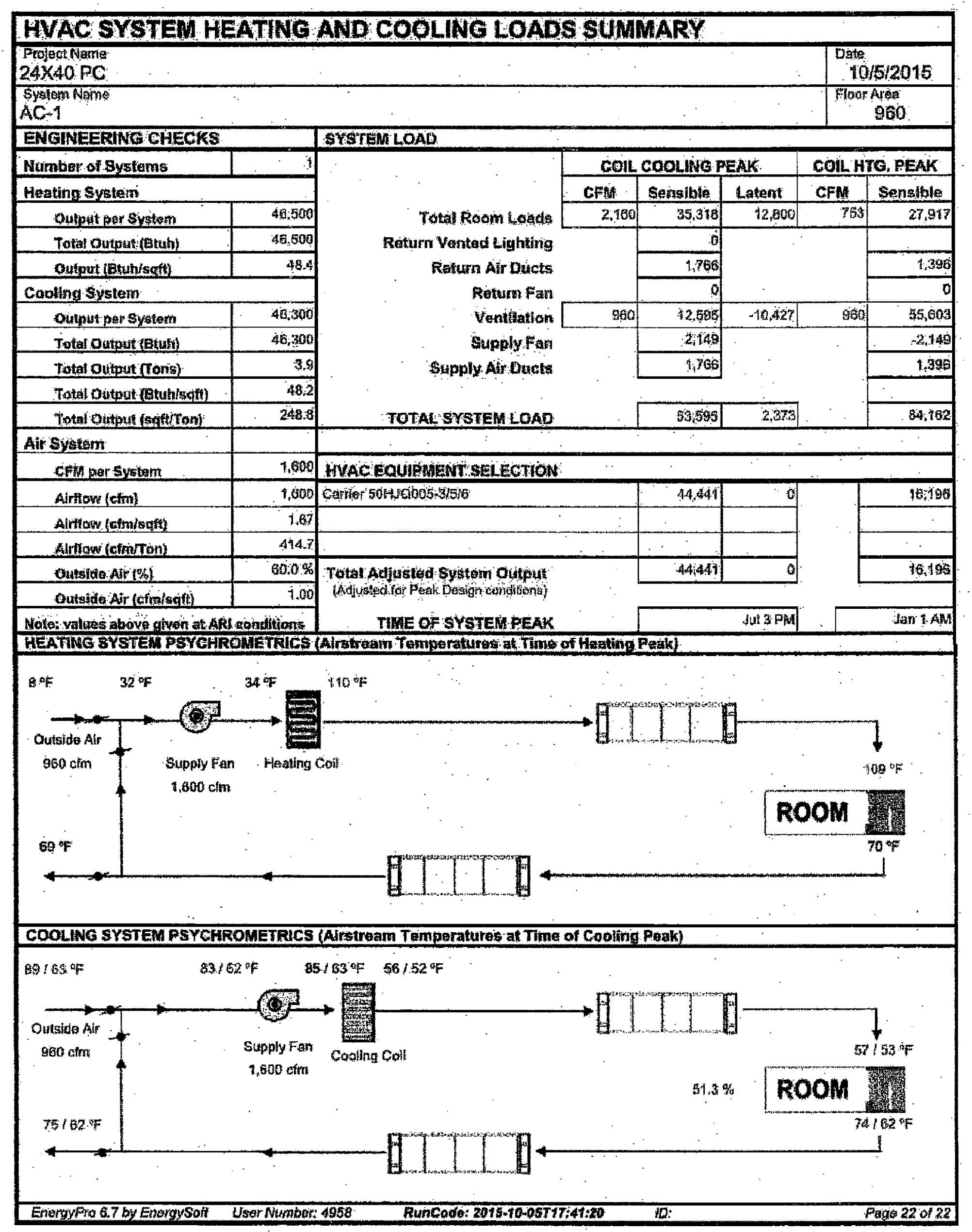
Project Name *24X40 PC*	Date *10/5/2015*

DESCRIPTION

Building Envelope Measures:

§110.8(a):	Installed insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20 Chapter 4, Article 3.
§110.8(c):	All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.
§110.8(f):	The opaque portions of framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-13 between framing members.
§110.7(a):	All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
§110.6(a):	Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft.² of window area, 0.3 cfm/ft.² of door area for residential doors, 0.3 cfm/ft.² of door area for nonresidential single doors (swinging and sliding), and 1.0 cfm/ft.² for nonresidential double doors (swinging).
§110.6(a):	Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.
§110.6(a) :	Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestration, or the applicable default SHGC.
§110.6(b):	Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).

EnergyPro 6.7 by EnergySoft   User Number: 4958   RunCode: 2015-10-05T17:41:20   ID: Page 21 of 22



HVAC SYSTEM HEATING AND COOLING LOADS SUMMARY

Project Name 24X40 PC	Date 10/5/2015
System Name AC-1	Floor Area 960

ENGINEERING CHECKS	
Number of Systems	1
Heating System	
Output per System	46,500
Total Output (Btuh)	46,500
Output (Btuh/sqft)	48.4
Cooling System	
Output per System	46,300
Total Output (Btuh)	46,300
Total Output (Tons)	3.9
Total Output (Btuh/sqft)	48.2
Total Output (sqft/Ton)	248.8
Air System	
CFM per System	1,600
Airflow (cfm)	1,600
Airflow (cfm/sqft)	1.67
Airflow (cfm/Ton)	414.7
Outside Air (%)	60.0 %
Outside Air (cfm/sqft)	1.00
Note: values above given at ARI conditions	

SYSTEM LOAD	COIL COOLING PEAK			COIL HTG. PEAK	
	CFM	Sensible	Latent	CFM	Sensible
Total Room Loads	2,160	35,318	12,800	753	27,917
Return Vented Lighting		0			
Return Air Ducts		1,766			1,396
Return Fan		0			0
Ventilation	960	12,595	-10,427	960	55,603
Supply Fan		2,149			-2,149
Supply Air Ducts		1,766			1,396
TOTAL SYSTEM LOAD		53,595	2,373		84,162

HVAC EQUIPMENT SELECTION				
Carrier 50HJQ005-3/5/6	44,441	0		16,196
Total Adjusted System Output (Adjusted for Peak Design conditions)	44,441	0		16,196
TIME OF SYSTEM PEAK		Jul 3 PM		Jan 1 AM

HEATING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Heating Peak)

COOLING SYSTEM PSYCHROMETRICS (Airstream Temperatures at Time of Cooling Peak)

EnergyPro 6.7 by EnergySoft   User Number: 4958   RunCode: 2015-10-05T17:41:20   ID: Page 22 of 22

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 04-114654 DATE: 3/14/16

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
No. S3380
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
RESERVED FOR
T24 ENERGY
CALCS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
M3.0
SHEET OF SHEETS

ADDENDUM

3/11/2016 3:22:46 PM   C:\Users\Rick\Documents\15046 - Aries, 24x40 PC - MainFile_Rick.rvt

Performance Runs By Zone & Orientation

Project Name: 24x40 (Roof A/C)
Date of Title 24 Report: 10/5/2015
DSA File No.:
DSA Application #: PC-04-114654
Building Name/Model #:
Comments: *Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet*

NOTE: Enter data in colored cells only.

Building Size

Climate Zone: 14 China Lake			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	534.93	506.53	***5.31%***
30	540.07	507.65	6.00%
60	542.74	507.92	6.42%
90	543.04	507.12	6.61%
120	544.55	507.34	6.83%
150	539.21	507.00	5.97%
180	534.93	506.53	***5.31%***
210	540.07	507.65	6.00%
240	542.74	507.92	6.42%
270	543.04	507.12	6.61%
300	544.55	507.34	6.83%
330	539.21	507.00	5.97%

Climate Zone: 15 Palm Springs			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	572.02	497.60	***13.01%***
30	577.17	498.47	13.64%
60	579.99	498.57	14.04%
90	579.91	498.05	14.12%
120	578.33	498.00	13.89%
150	573.16	497.61	13.18%
180	572.02	497.60	***13.01%***
210	577.17	498.47	13.64%
240	579.99	498.57	14.04%
270	579.91	498.05	14.12%
300	578.33	498.00	13.89%
330	573.16	497.61	13.18%

Building Size

Climate Zone: 16 Mount Shasta			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	485.95	485.38	0.12%
30	490.25	486.36	0.79%
60	492.50	486.77	1.16%
90	493.15	486.32	1.38%
120	491.81	486.40	1.10%
150	486.33	485.87	***0.09%***
180	485.95	485.38	0.12%
210	490.25	486.36	0.79%
240	492.50	486.77	1.16%
270	493.15	486.32	1.38%
300	491.81	486.40	1.10%
330	486.33	485.87	***0.09%***

Performance Runs By Zone & Orientation

Project Name: 24x40 (Wall A/C)
Date of Title 24 Report: 10/5/2015
DSA File No.:
DSA Application #: PC-04-114654
Building Name/Model #:
Comments: *Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet*

NOTE: Enter data in colored cells only.

Building Size

Climate Zone: 14 China Lake			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	534.93	520.93	***2.62%***
30	540.07	522.06	3.33%
60	542.74	522.38	3.75%
90	543.04	521.56	3.96%
120	544.55	521.77	4.18%
150	539.21	521.37	3.31%
180	534.93	520.93	***2.62%***
210	540.07	522.06	3.33%
240	542.74	522.38	3.75%
270	543.04	521.56	3.96%
300	544.55	521.77	4.18%
330	539.21	521.37	3.31%

Climate Zone: 15 Palm Springs			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	572.02	514.67	***10.03%***
30	577.17	515.56	10.67%
60	579.99	515.68	11.09%
90	579.91	515.14	11.17%
120	578.33	515.09	10.93%
150	573.16	514.69	10.20%
180	572.02	514.67	***10.03%***
210	577.17	515.56	10.67%
240	579.99	515.68	11.09%
270	579.91	515.14	11.17%
300	578.33	515.09	10.93%
330	573.16	514.69	10.20%

Building Size

Climate Zone: 16 Mount Shasta			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	485.95	440.20	9.41%
30	490.25	440.88	10.07%
60	492.50	441.17	10.42%
90	493.15	440.83	10.61%
120	491.81	441.07	10.32%
150	486.33	440.68	9.39%
180	485.95	440.20	9.41%
210	490.25	440.88	10.07%
240	492.50	441.17	10.42%
270	493.15	440.83	10.61%
300	491.81	441.07	10.32%
330	486.33	440.68	9.39%

Performance Runs By Zone & Orientation

Project Name: 36x40 (ROOF A/C)
Date of Title 24 Report: 10/5/2015
DSA File No.:
DSA Application #: PC- 04-114654
Building Name/Model #:
Comments: *Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet*

NOTE: Enter data in colored cells only.

Building Size

Climate Zone: 14 (China Lake)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	520.03	486.69	6.41%
30	521.52	488.25	6.38%
60	527.90	488.93	7.38%
90	528.51	488.44	7.58%
120	525.76	488.44	7.10%
150	520.99	487.69	6.39%
180	518.89	487.29	6.09%
210	517.23	488.38	5.58%
240	515.85	488.66	***5.27%***
270	515.75	487.85	5.41%
300	517.77	487.54	5.84%
330	518.87	486.86	6.17%

Climate Zone: 15 (Palm Springs)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	565.39	468.86	17.07%
30	570.35	469.76	17.64%
60	573.58	470.02	18.06%
90	573.43	469.64	18.10%
120	571.31	469.36	17.84%
150	565.93	468.79	17.16%
180	564.54	468.63	16.99%
210	565.20	469.29	***16.97%***
240	569.32	469.66	17.51%
270	569.85	469.33	17.64%
300	567.46	469.27	17.30%
330	566.88	468.76	17.31%

Building Size

Climate Zone: 16 (Mount Shasta)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	474.88	409.99	13.66%
30	480.59	410.93	14.49%
60	484.98	411.74	15.10%
90	485.62	411.83	15.20%
120	483.09	411.92	14.73%
150	475.36	411.20	13.50%
180	474.71	410.52	13.52%
210	477.84	411.01	13.99%
240	477.88	411.24	13.94%
270	479.75	410.93	14.34%
300	478.22	410.91	14.08%
330	473.93	410.45	***13.39%***

Performance Runs By Zone & Orientation

Project Name: 36x40 (WALL A/C)
Date of Title 24 Report: 10/5/2015
DSA File No.:
DSA Application #: PC- 04-114654
Building Name/Model #:
Comments: *Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet*

NOTE: Enter data in colored cells only.

Building Size

Climate Zone: 14 (China Lake)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	518.89	435.24	***16.12%***
30	517.23	436.06	15.69%
60	515.85	436.41	15.40%
90	515.75	435.89	15.48%
120	517.77	435.70	15.85%
150	518.87	435.05	16.15%
180	520.03	434.75	16.40%
210	521.52	435.88	16.42%
240	527.90	436.57	17.30%
270	528.51	436.27	17.45%
300	525.76	436.27	17.02%
330	520.99	435.64	16.38%

Climate Zone: 15 (Palm Springs)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	564.54	423.32	***25.02%***
30	565.20	423.97	24.99%
60	569.32	424.31	25.47%
90	569.85	424.00	25.59%
120	567.46	423.89	25.30%
150	566.88	423.42	25.31%
180	565.39	423.55	25.09%
210	570.35	424.33	25.60%
240	573.58	424.57	25.98%
270	573.43	424.22	26.02%
300	571.31	423.93	25.80%
330	565.93	423.45	25.18%

Building Size

Climate Zone: 16 (Mount Shasta)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	474.71	430.00	9.42%
30	477.84	430.67	9.87%
60	477.88	431.01	9.81%
90	479.75	430.64	10.24%
120	478.22	430.52	9.97%
150	473.93	429.92	***9.29%***
180	474.88	429.51	9.55%
210	480.59	430.78	10.36%
240	484.98	431.83	10.96%
270	485.62	431.86	11.07%
300	483.09	431.75	10.63%
330	475.36	430.78	9.38%

Performance Runs By Zone & Orientation

Project Name: 48x40 (Roof A/C)
Date of Title 24 Report: 10/5/2015
DSA File No.:
DSA Application #: PC-04-114654
Building Name/Model #:
Comments: *Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet*

NOTE: Enter data in colored cells only.

Building Size

Climate Zone: 14 China Lake			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	510.83	491.70	3.74%
30	516.74	493.01	4.59%
60	520.69	493.85	5.15%
90	520.71	493.45	5.24%
120	517.06	493.15	4.62%
150	510.47	492.23	***3.57%***
180	510.83	491.70	3.74%
210	516.74	493.01	4.59%
240	520.69	493.85	5.15%
270	520.71	493.45	5.24%
300	517.06	493.15	4.62%
330	510.47	492.23	***3.57%***

Climate Zone: 15 Palm Springs			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	546.82	485.37	***11.24%***
30	552.77	486.38	12.01%
60	556.75	486.77	12.57%
90	557.00	486.53	12.65%
120	554.39	486.24	12.29%
150	548.30	485.57	11.44%
180	546.82	485.37	***11.24%***
210	552.77	486.38	12.01%
240	556.75	486.77	12.57%
270	557.00	486.53	12.65%
300	554.39	486.24	12.29%
330	548.30	485.57	11.44%

Building Size

Climate Zone: 16 Mount Shasta			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	462.79	416.29	10.05%
30	467.47	417.27	10.74%
60	471.53	418.17	11.32%
90	471.89	418.09	11.40%
120	469.33	417.77	10.99%
150	462.63	416.85	***9.90%***
180	462.79	416.29	10.05%
210	467.47	417.27	10.74%
240	471.53	418.17	11.32%
270	471.89	418.09	11.40%
300	469.33	417.77	10.99%
330	462.63	416.85	***9.90%***

Performance Runs By Zone & Orientation

Project Name: 48x40 (WALL A/C)
Date of Title 24 Report: 10/5/2015
DSA File No.:
DSA Application #: PC- 04-114654
Building Name/Model #:
Comments: *Please input data from the energy pro runs in columns 2 and 3 for each climate zone worksheet*

NOTE: Enter data in colored cells only.

Building Size

Climate Zone: 14 (China Lake)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	510.83	505.77	0.99%
30	516.74	507.14	1.86%
60	520.69	508.05	2.43%
90	520.71	507.63	2.51%
120	517.06	507.32	1.88%
150	510.47	506.31	***0.81%***
180	510.83	505.77	0.99%
210	516.74	507.14	1.86%
240	520.69	508.05	2.43%
270	520.71	507.63	2.51%
300	517.06	507.32	1.88%
330	510.47	506.31	***0.81%***

Climate Zone: 15 (Palm Springs)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	546.82	502.18	***8.16%***
30	552.77	503.22	8.96%
60	556.75	503.66	9.54%
90	557.00	503.42	9.62%
120	554.39	503.12	9.25%
150	548.30	502.40	8.37%
180	546.82	502.18	***8.16%***
210	552.77	503.22	8.96%
240	556.75	503.66	9.54%
270	557.00	503.42	9.62%
300	554.39	503.12	9.25%
330	548.30	502.40	8.37%

Building Size

Climate Zone: 16 (Mount Shasta)			
Front Orientation	Std Budget Kbtu/sf-yr	Prop.Design Kbtu/sf-yr	Compliance Margin
0	462.79	423.00	8.60%
30	467.47	424.00	9.30%
60	471.53	424.93	9.88%
90	471.89	424.88	9.96%
120	469.33	424.59	9.53%
150	462.63	423.59	***8.44%***
180	462.79	423.00	8.60%
210	467.47	424.00	9.30%
240	471.53	424.93	9.88%
270	471.89	424.88	9.96%
300	469.33	424.59	9.53%
330	462.63	423.59	***8.44%***

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 04-114654 DATE: 3/14/16

3/11/2016 3:22:46 PM C:\Users\Rick\Documents\15046 - Aries 24x40 PC - MainFile_Rick.rvt

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
No. S3380
03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 0 8 2016

Revision Schedule		
#	Description	Date

SHEET TITLE
RESERVED FOR
T24 ENERGY
CALCS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

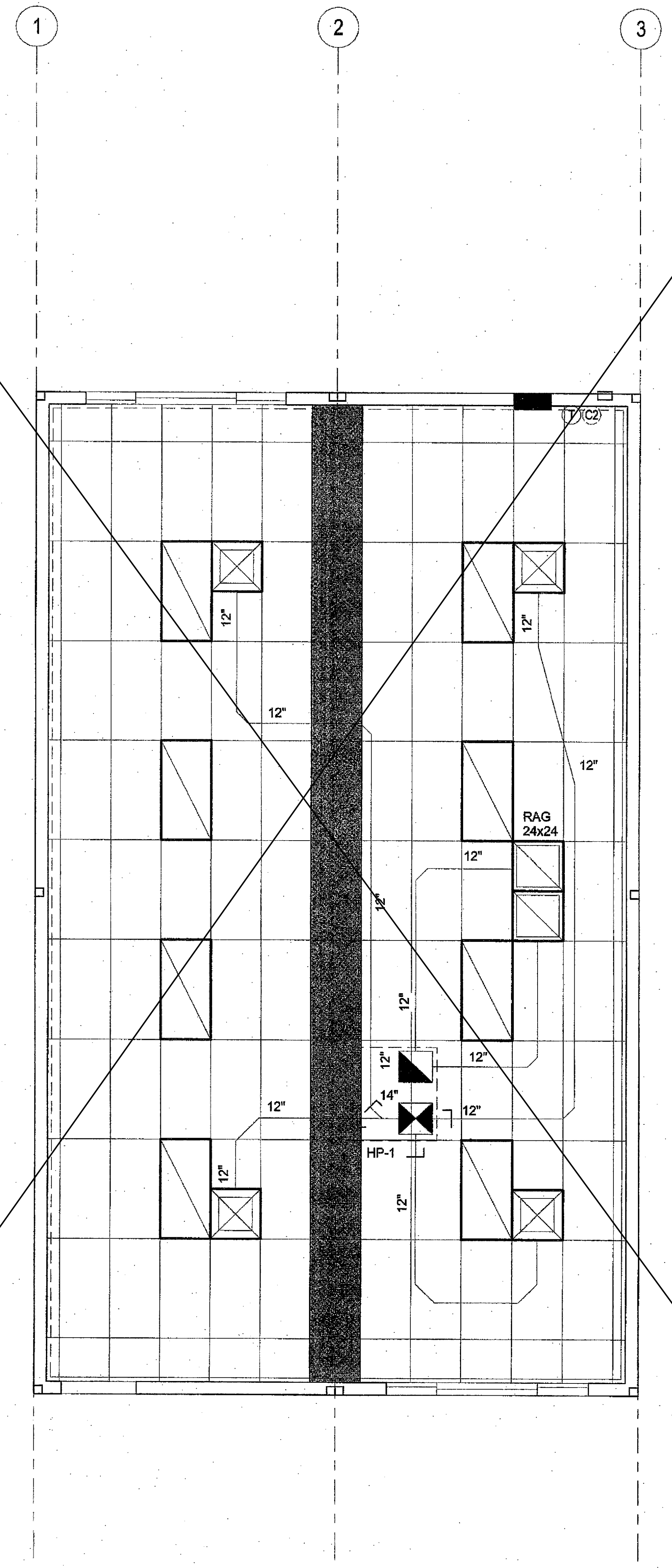
CHECKED BY
JA/RT

DATE
2016/03/02

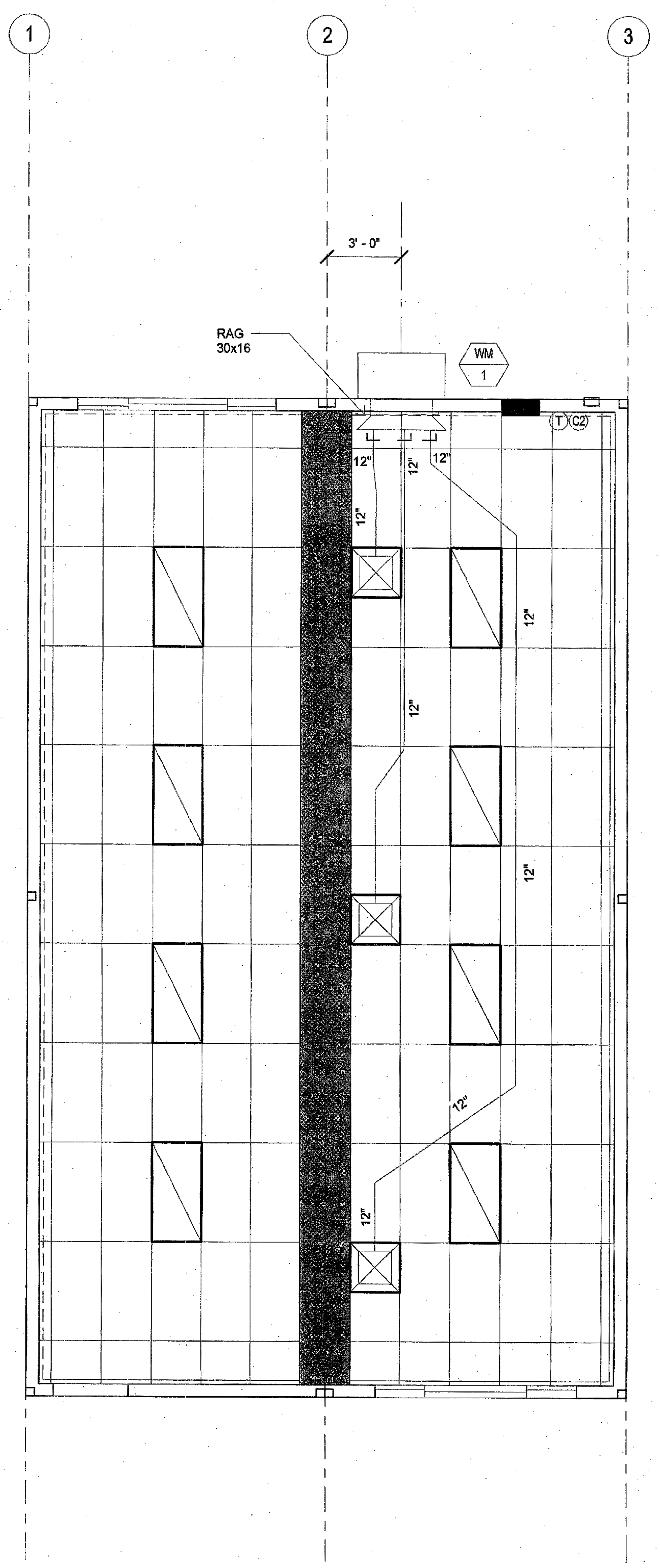
SHEET NO.
M4.0

SHEET OF SHEETS

ADDENDUM



1 *1/4" = 1'-0"*
24x40 RM-1 MECH PLANS



2 *1/4" = 1'-0"*
24x40 WM-1 MECH PLAN

3/15/2016 9:15:11 AM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISHMAN
No. S3380
STRUCTURAL
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SL FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 0 8 2016

Revision Schedule

#	Description	Date

SHEET TITLE
MECHANICAL
CEILING PLAN
24x40

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

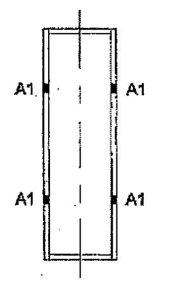
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
M5.1

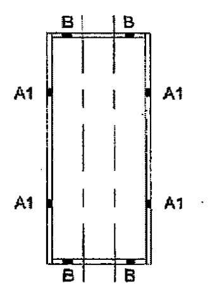
SHEET OF SHEETS

ADDENDUM



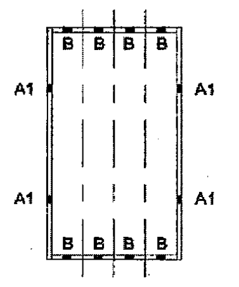
VENT AREA REQ = 960/150 SF = 6.4 SF

VENT AREA AVAIL = (4) 1.75 VENT = 7 SF



VENT AREA REQ = 1440/150 SF = 9.6 SF

VENT AREA AVAIL = (4) 1.75 SF + (4) 0.75 SF = 10 SF



VENT AREA REQ = 1920/150 SF = 12.8 SF

VENT AREA AVAIL = (4) 1.75 SF + (8) 0.75 = 13 SF

1 *1/16" = 1'-0"*
50+15 VENTING LAYOUT

KEY PLAN VENTING SCHEDULE

VENT "A1" (SIDEWALL): 3'-6" x 6" = 1.75 S.F. VENTILATION

VENT "B" (ENDWALL): 3'-0" x 3" = 0.75 S.F. VENTILATION

SEE 2

9 *1/4" = 1'-0"*
KEY PLAN VENTING SCHEDULE FOR 50+15 PSF

WOOD FOUNDATION PLATE SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL	MODLINE ENDS	MODLINE INTERIOR	ML "B" ENDS	ML "B" INTERIOR	SEPERATION ENDS	SEPERATION INTERIOR
BOOSTER	2x4	2x4	2x6	2x6	2x8	2x8	2x4	2x4
TOP	2x6	2x6	2x8	2x8	2x10	2x10	2x6	2x6
BASE	2x8	2x8	2x10	2x10	2x12	2x12	2x8	2x8
SILL	2x12	2x12	(6) 2x12, 24" LONG	(6) 2x12, 24" LONG	(8) 2x12, 24" LONG	(8) 2x12, 24" LONG	2x12	2x12

* MODLINE "B" - MODLINE W/ EXT. WALLS BACK-TO-BACK SEE F1.14

8 *1/4" = 1'-0"*
WOOD FOUNDATION PLATE SCHEDULE FOR 50+15

1. WOOD FOUNDATION CONSTRUCTION IS ALLOWED FOR BUILDINGS WITH 2160 SF AND UNDER.
2. SILL PLATES SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESERVATIVE PRESURE TREATED MATERIAL AND IS ALLOWED TO REST DIRECTLY ON SOIL OR PAVEMENT. MATERIALS ABOVE THE SILL PLATES ARE NOT CONTROLLED BY THIS REQUIREMENT.
3. VENTS THAT OCCUR INSIDE RAMP BOUNDARIES SHALL REQUIRE A VENT OF EQUAL SIZE AT RAMP SKIRTING.
4. TO PREVENT SLIDING; A 1 INCH G.S. SCHEDULE 40 PIPE (1.315" ACTUAL O.D.) SHALL BE ATTACHED TO SILL PLATE AND ANCHORED INTO THE EARTH W/ 12" MIN EMBEDMENT (PROJECTED VERTICALLY) @ 10' - 0" MAX O.C. AND SHALL BE LOCATED A MAXIMIUM OF 2'-0" FROM CORNERS
5. STACKED FOUNDATION MEMBERS SHALL BE FASTENED TO ONE ANOTHER W/ CORROSION RESISTANT NAILS.
6. WOOD FOUNDATION HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 1,000 PSF
7. REFER TO ARCHITECT'S SITE PLAN FOR DRAINAGE.

7 *1/4" = 1'-0"*
NOTES FOR 50+15

(2) 16d NAILS SILL TO BASE CONNECTION FOR 50+15 SEE 7 / F1.10

	ENDWALL	SIDEWALL	SEPERATION
24x40	9" O.C	12" O.C	12" O.C
36x40	11" O.C	12" O.C	12" O.C
48x40	12" O.C	12" O.C	12" O.C

6 *1/4" = 1'-0"*
NAILING SCHEDULE FOR 50+15

TIE PLATE SCHEDULE

	END WALL	SIDE WALL
24x40	4	2
36x40	5	2
48x40	7	2

4 *1/4" = 1'-0"*
TIE PLATE SCHEDULE FOR 50+15

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
No. S3580
Manny D. Frisch
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 0 8 2016

Revision Schedule

#	Description	Date

SHEET TITLE
WOOD
FOUNDATION
NOTES SCHED FOR
BLDG W/ 50+15

PROJECT NUMBER
15046

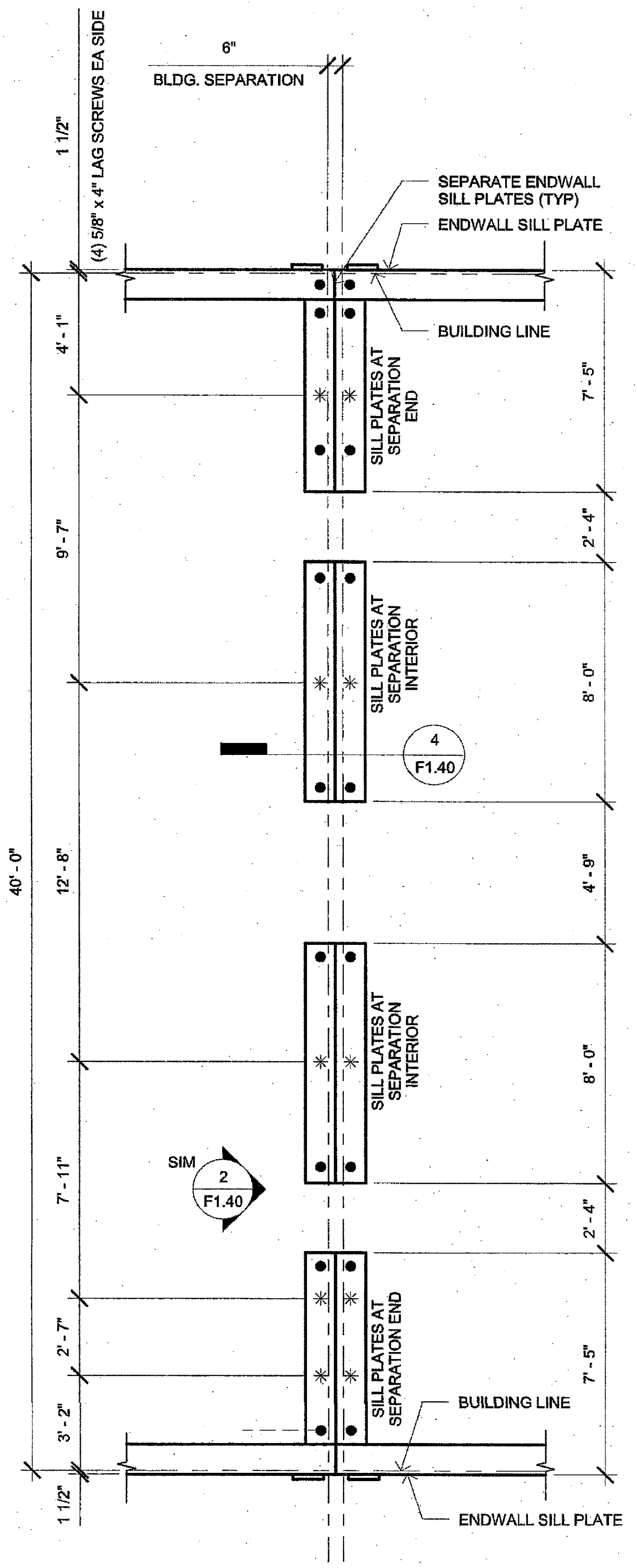
DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

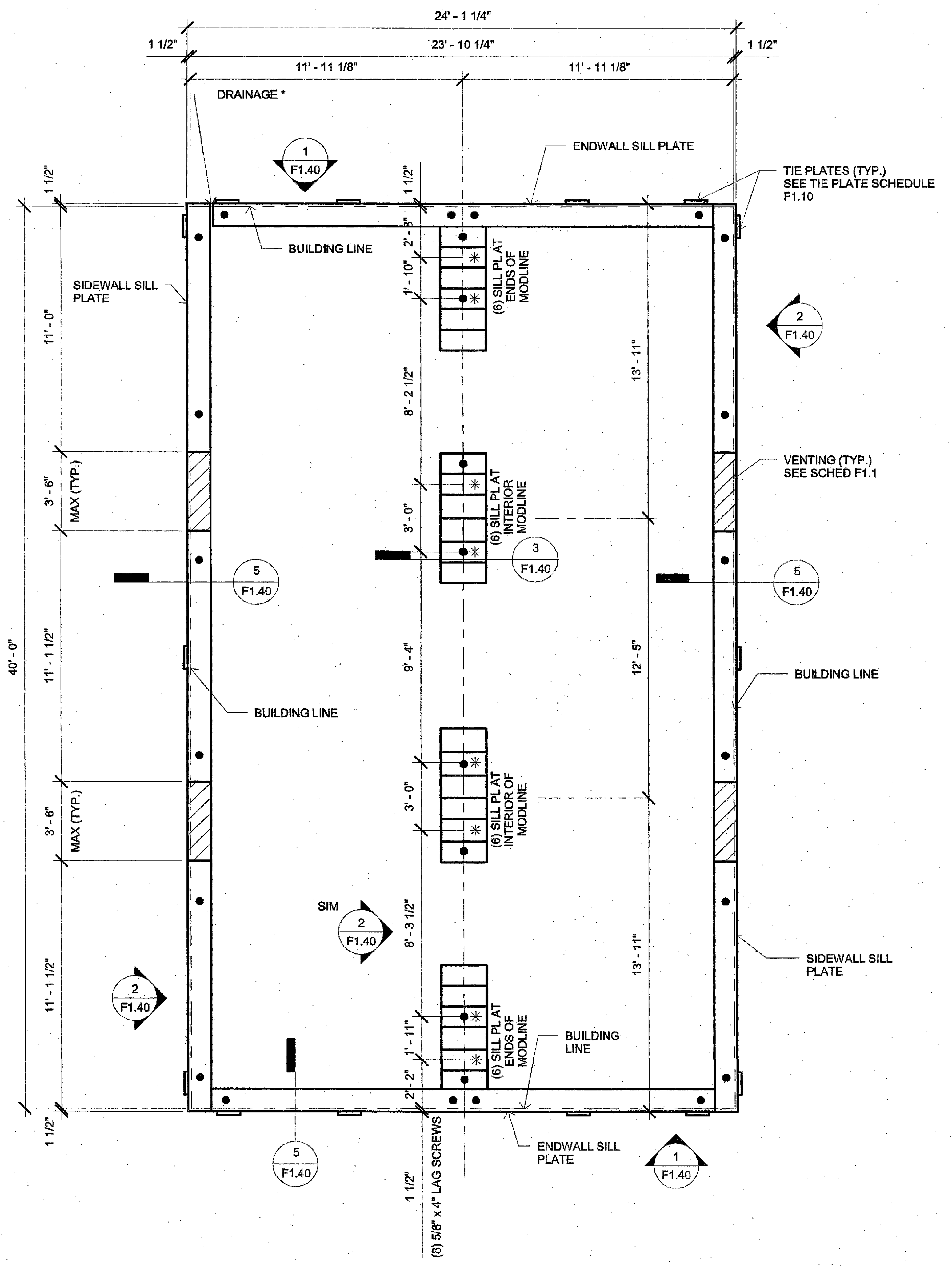
SHEET NO.
F1.10
SHEET OF SHEETS

ADDENDUM



SYMBOLS LEGEND
✳ LAG SCREWS
● SILL RESTRAINTS (SEE NOTE #4 / F1.10)

3 *1/4" = 1'-0"*
FOOTING AT SEPARATION



* REFER TO ARCHITECTURAL SITE PLAN FOR DRAINAGE

SYMBOLS LEGEND
✳ LAG SCREWS
● SILL RESTRAINTS (SEE NOTE #4 / F1.10)

2 *1/4" = 1'-0"*
24x40 FOUNDATION PLAN

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISH
No. S3580
03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 0 8 2016

Revision Schedule		
#	Description	Date

SHEET TITLE
WOOD
FOUNDATION PLAN
24x40 BLDG W/
50+15

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

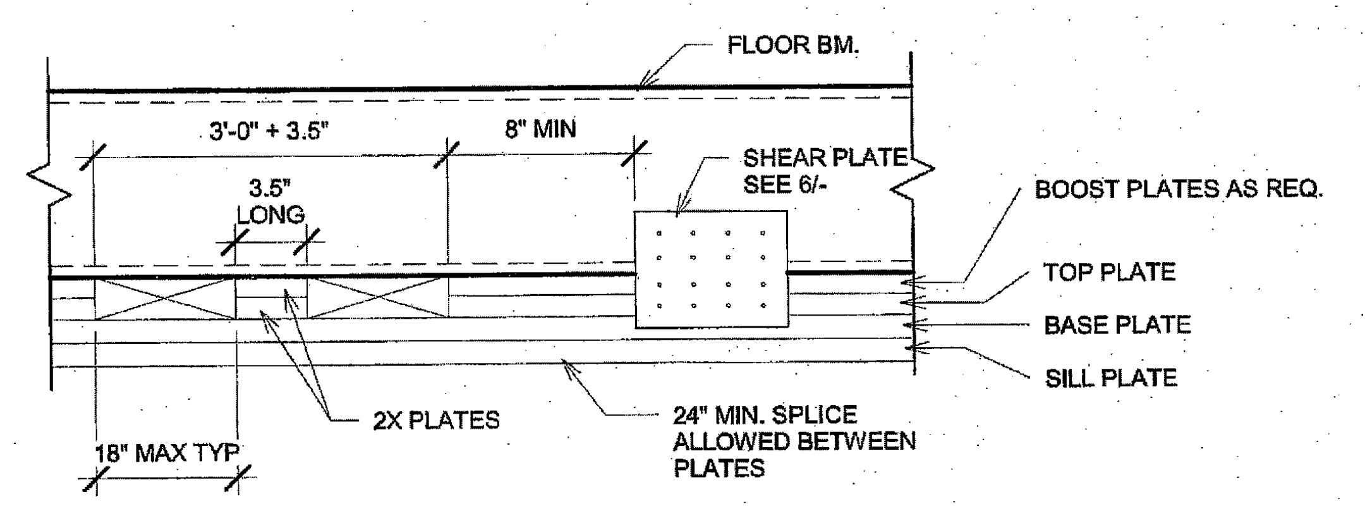
CHECKED BY
JA/RT

DATE
2016/03/02

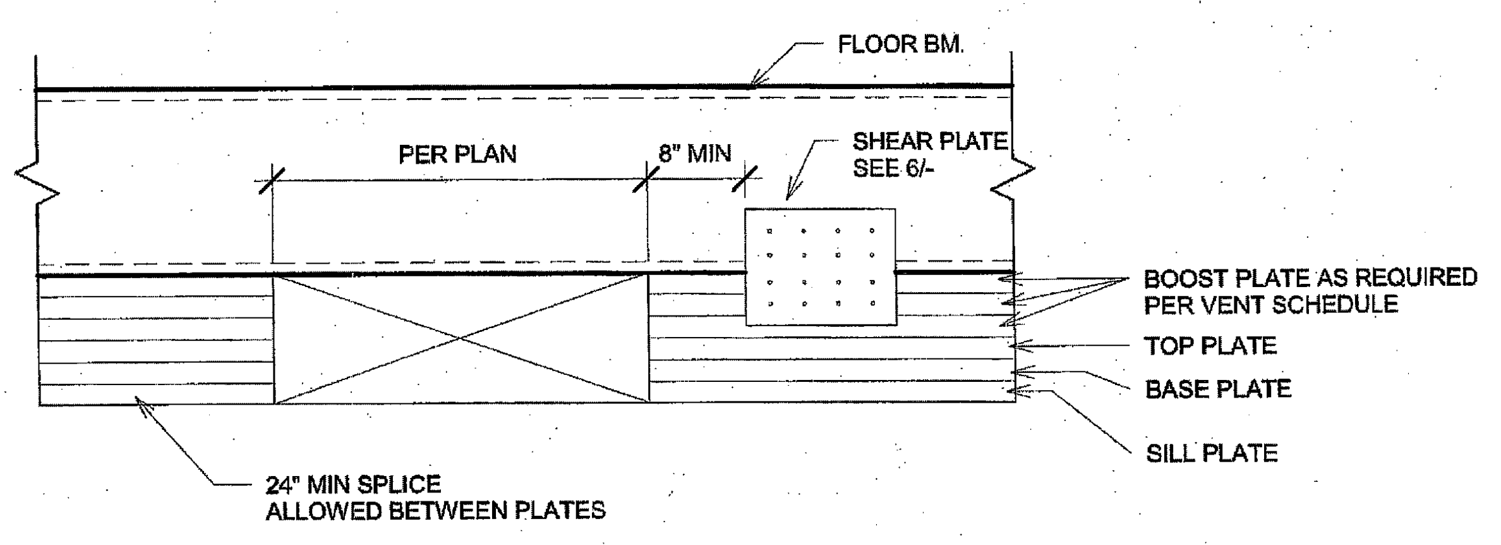
SHEET NO.
F1.11
SHEET OF SHEETS

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt
3/3/2016 7:51:22 PM

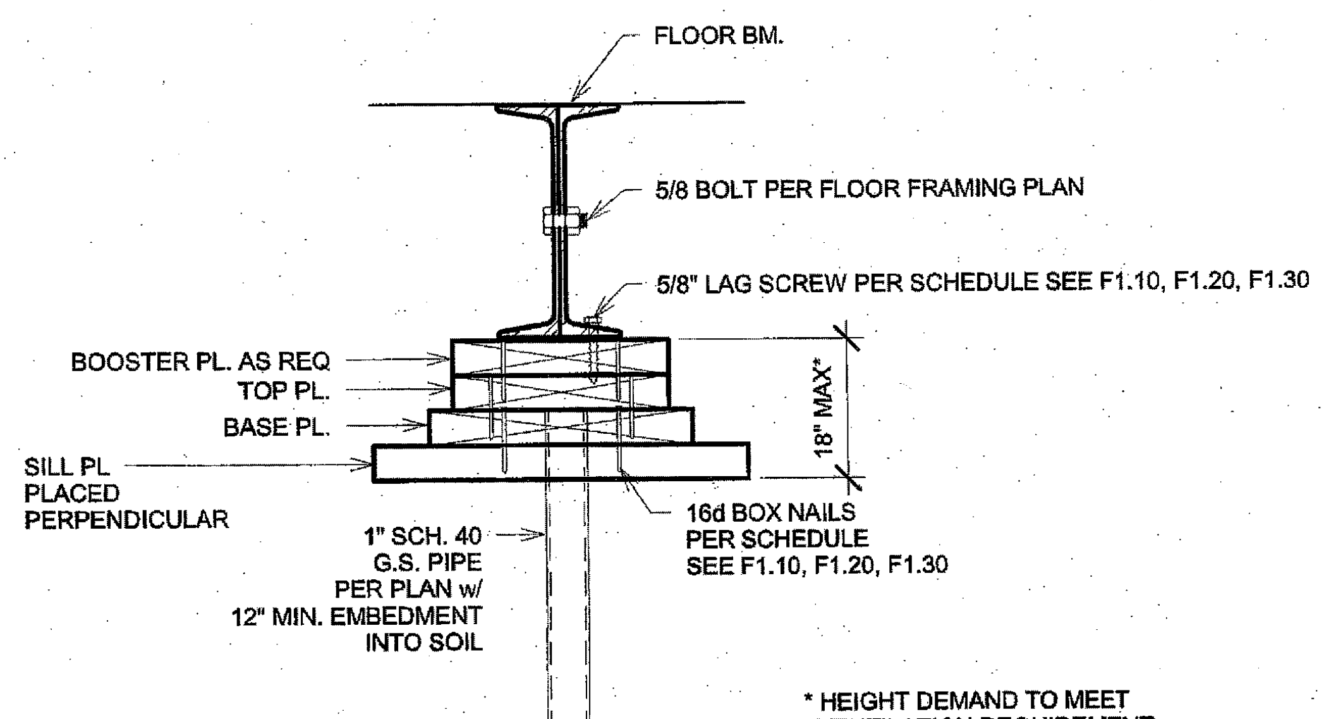
ADDENDUM



1 *1 1/2" = 1'-0"*
VENT OPENING OVER BASE PLATE

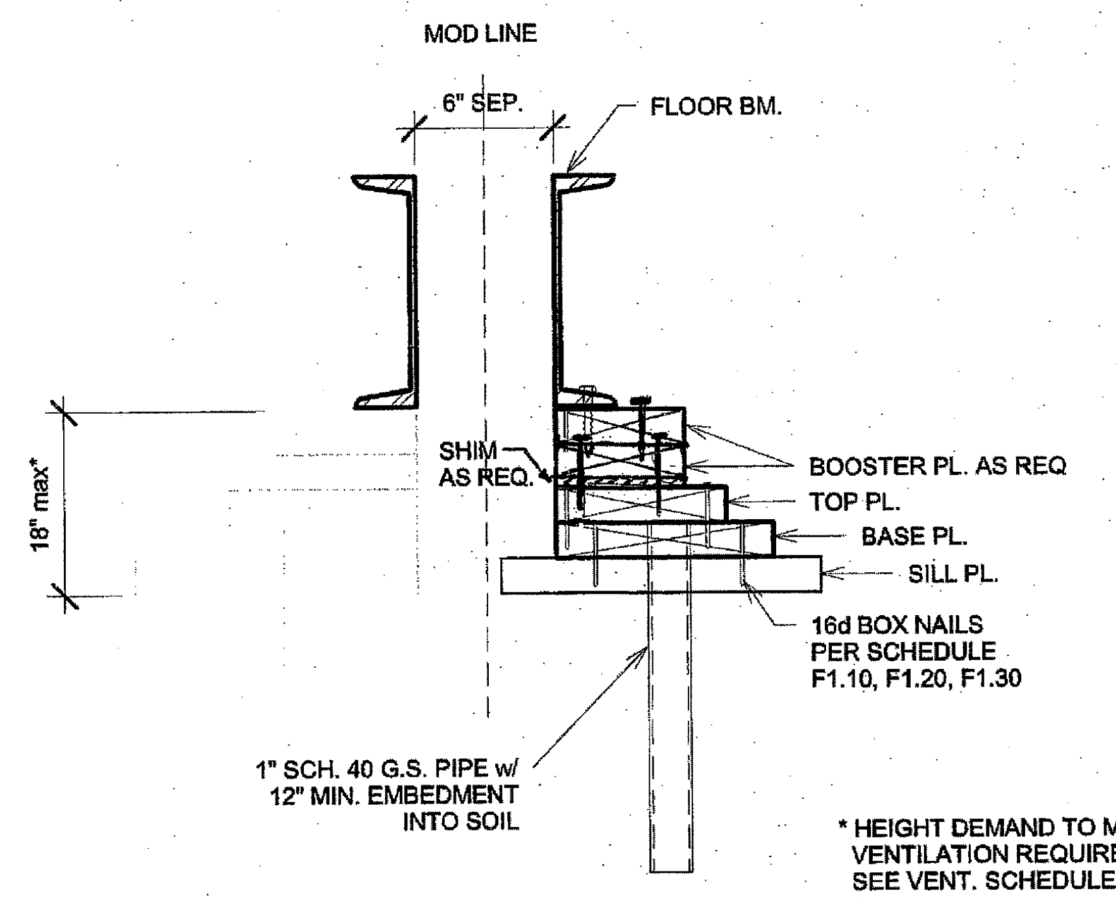

FLOOR BM.
PER PLAN
8" MIN
SHEAR PLATE SEE 6/-
BOOST PLATE AS REQUIRED PER VENT SCHEDULE
TOP PLATE
BASE PLATE
SILL PLATE
24" MIN SPLICE ALLOWED BETWEEN PLATES

2 *1 1/2" = 1'-0"*
VENT OPENING @ SIDEWALL OR MODLINE @ SEPERATION


FLOOR BM.
5/8 BOLT PER FLOOR FRAMING PLAN
5/8" LAG SCREW PER SCHEDULE SEE F1.10, F1.20, F1.30
BOOSTER PL. AS REQ
TOP PL.
BASE PL.
SILL PL PLACED PERPENDICULAR
18" MAX*
1" SCH. 40 G.S. PIPE PER PLAN w/ 12" MIN. EMBEDMENT INTO SOIL
16d BOX NAILS PER SCHEDULE SEE F1.10, F1.20, F1.30

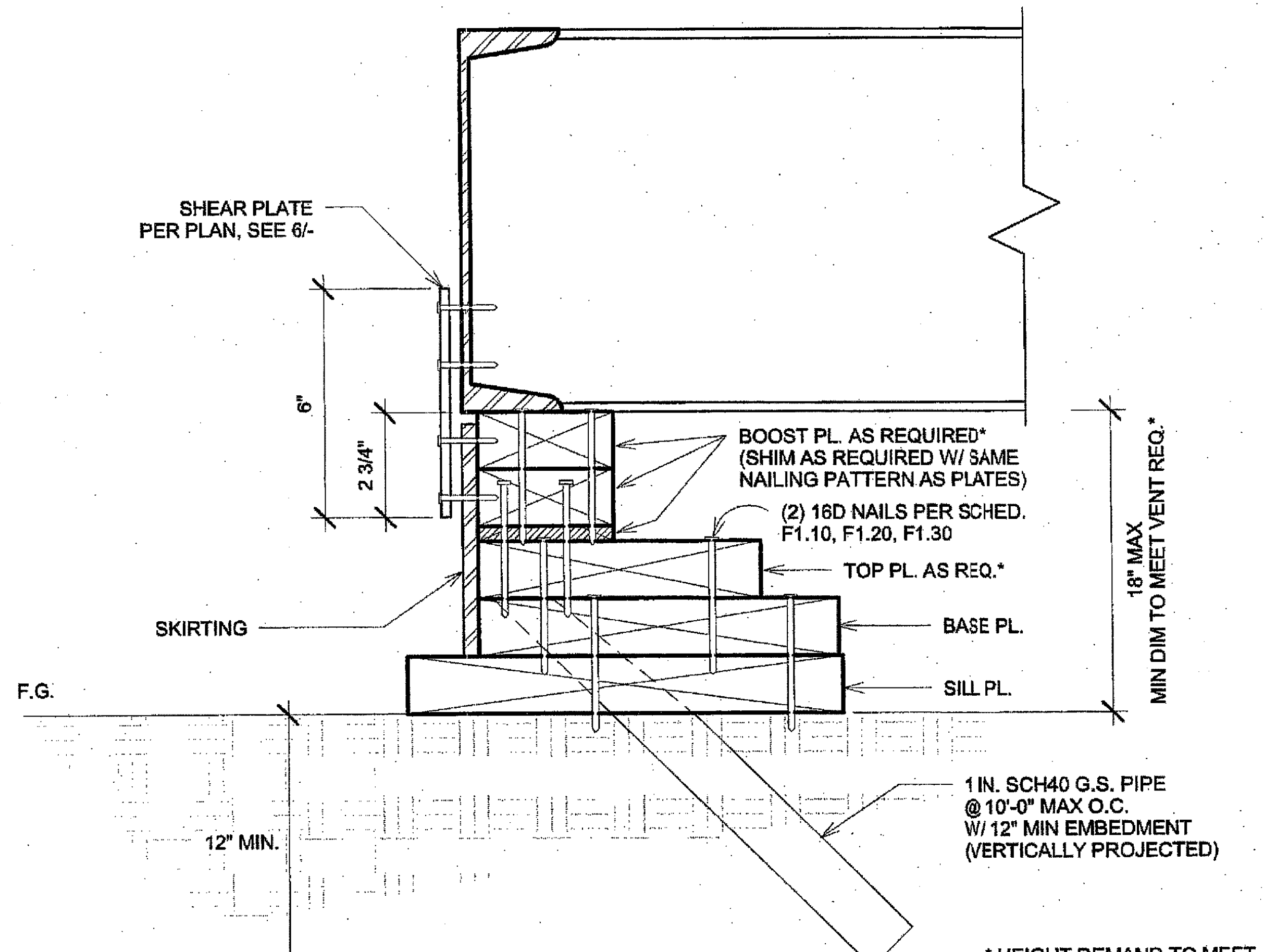
* HEIGHT DEMAND TO MEET
VENTILATION REQUIREMENT
SEE VENT. SCHEDULE, F1.10, F1.20, F1.30

3 *1 1/2" = 1'-0"*
FOUNDATION PAD AT MOD LINE


MOD LINE
6" SEP.
FLOOR BM.
18" max*
SHIM AS REQ.
BOOSTER PL. AS REQ
TOP PL.
BASE PL.
SILL PL.
16d BOX NAILS PER SCHEDULE F1.10, F1.20, F1.30
1" SCH. 40 G.S. PIPE w/ 12" MIN. EMBEDMENT INTO SOIL

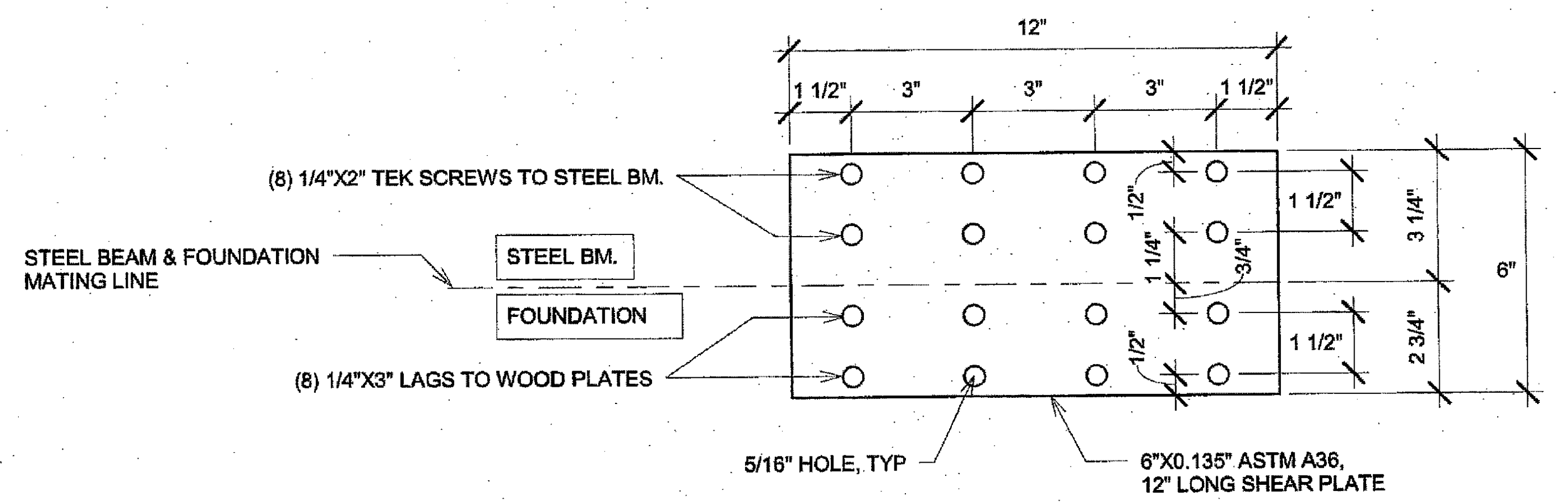
* HEIGHT DEMAND TO MEET
VENTILATION REQUIREMENT
SEE VENT. SCHEDULE, F1.10, F1.20, F1.30

4 *1 1/2" = 1'-0"*
FOUNDATION PAD AT SEPARATION

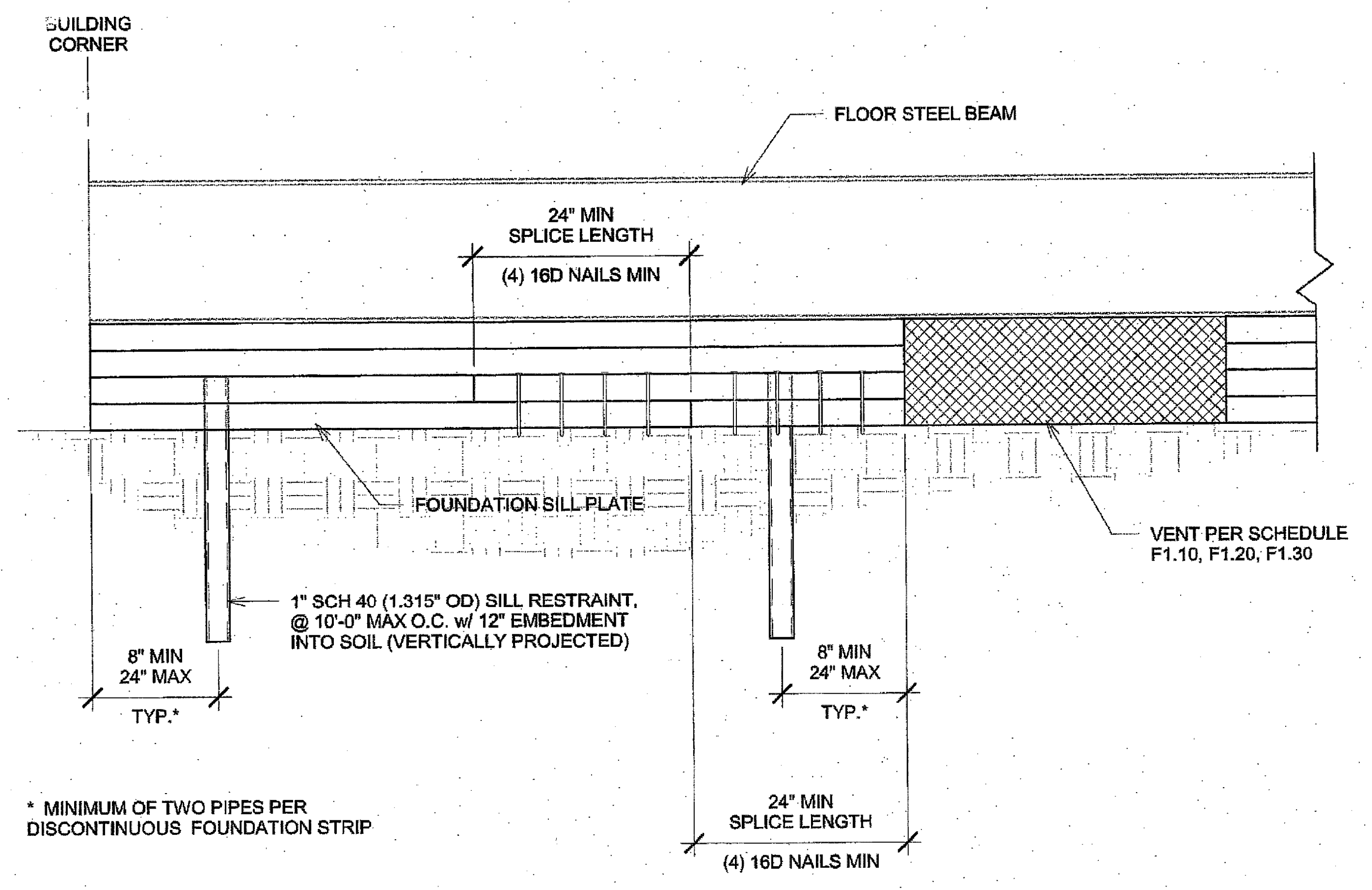

SHEAR PLATE PER PLAN, SEE 6/-
6"
2 3/4"
BOOST PL. AS REQUIRED* (SHIM AS REQUIRED W/ SAME NAILING PATTERN AS PLATES)
(2) 16D NAILS PER SCHED. F1.10, F1.20, F1.30
TOP PL. AS REQ.*
BASE PL.
SILL PL.
SKIRTING
F.G.
18" MAX
MIN DIM TO MEET VENT REQ.*
12" MIN.
1 IN. SCH40 G.S. PIPE @ 10'-0" MAX O.C. W/ 12" MIN EMBEDMENT (VERTICALLY PROJECTED)

* HEIGHT DEMAND TO MEET
VENTILATION REQUIREMENT
SEE VENT. SCHEDULE, F1.10, F1.20, F1.30

5 *3" = 1'-0"*
SILL PLATE PROFILE


12"
1 1/2"
3"
3"
3"
1 1/2"
(8) 1/4"X2" TEK SCREWS TO STEEL BM.
STEEL BEAM & FOUNDATION MATING LINE
STEEL BM.
FOUNDATION
(8) 1/4"X3" LAGS TO WOOD PLATES
1/2"
1 1/4"
3/4"
1/2"
1 1/2"
1 1/2"
3 1/4"
2 3/4"
6"
5/16" HOLE, TYP
6"X0.135" ASTM A36, 12" LONG SHEAR PLATE

6 *3" = 1'-0"*
SHEAR PLATE



* MINIMUM OF TWO PIPES PER
DISCONTINUOUS FOUNDATION STRIP

7 *1 1/2" = 1'-0"*
Splice at Sills

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
MANNY D. FR
No. S5580
STRUCTURAL
STATE OF CALIFORNIA
03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
WOOD
FOUNDATION
DETAILS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
F1.40

SHEET OF SHEETS

ADDENDUM

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

3/3/2016 7:51:40 PM

STRUCTRUAL STEEL:

A. ALL WORK SHALL, UNLESS MODIFIED BY THE CONCTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT AISC SPECIFICATIONS AND STANDARDS.

B. STEEL SHAPES SHALL COMFORM TO THE FOLLOWING STANDARD:

a.	STRUCTURAL HSS COLUMNS:	ASTM A500 GRADE B
b.	STRUCTURAL W-SHAPES:	ASTM A992 GRADE 50
c.	TUBE STEEL:	ASTM A500 GRADE A
d.	ALL OTHER:	ASTM A36

C. FABRICATION, ERECTION, AND SHOP PAINTING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AISC *CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES*.

D. HOLES IN STRUCTURAL STEEL SHALL NO BE PERMITTED, UNLESS SPECIFIED IN THE STRUCTURAL DRAWINGS

CONCRETE

A. ALL CONCRETE WORK, UNLESS MODIFIED BY CONTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 19A, CBC 2013 AND ACI 318-11.

B. TESTS AND INSPECTION SHALL BE PERFORMED BY A TESTING LABORATRY CONTRACTED BY THE DISTRICT.

C. MIX DESIGN SHALL BE SUBMITTED FOR QUALIFICATION AND PROVIDE A 28-DAY COMPRESSIVE STRENGTH F'C OF 3500 PSI, COMPOSED OF NORMAL WEIGHT TYPE I PORTALAND CEMENT U.N.O CONFORMANCE WITH ASTM C150.

D. FORMWORK SHALL RESULT IN FINAL STRUCTURE THAT CONFORMS TO SHAPES, LINES, AND DIMENSIONS AS REQUIRED BY THE CONTRACT DOCUMENTS.

E. LOCATIONS OF VENTS AND OPENINGS FOR MECHANICAL AND ELECTRICAL USE SHALL BE VERIFIED BY ARCHITECT.

F. EMBEDMENT OF MATERIALS NOT HARMFULL TO CONCRETE AND WITHIN LIMITATIONS OF SECTION 6.3, ACI-318-11 SHALL BE PERMITTED. REFER TO OTHER DISCIPLINES FOR LOCATION OF CONDUIT, PIPES, FITTINGS, SLEEVES, ETC.

G. CONTINUOUS BATCH PLANT INSPECTION WAIVED PER CBC 1705A3.3. WHEN CONTINUOUS BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING PERIODIC INSPECTION SHALL BE REQUIRED:

1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT THE START OF THE DAY.
2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTIFY AND CERTIFY TO EACH LOAD BY A BATCH TICKET.
3. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH THE LOAD IDENTIFIED THEREON. THE LOAD SHALL NO BE PLACED WITHOUT A BATCH TICKETS IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, AND TIME OF RECEIPT, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

H. ANCHOR BOLTS, AND REINFORCING STEEL SHALL BE SECURELY TIED BEFORE CONCRETE IS POURED.

STEEL REINFORCEMENT

A. DEFORMED BARS SHALL CONFORM TO ASTM A615.

B. fy= 40,000 PSI, FOR ALL BARS EXEPT FOR #3 BARS, fy= 60,000 PSI.

C. PROVIDE A MINIMUM CONCRETE COVER FOR REINFORCEMENT EMBEDDED IN:
  - a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
  - b. CONCRETE EXPOSED TO EARTH OR WEATHER FOR #5 BARS OR SMALLER = 1.5"

D. SPLICE LENGTHS SHALL BE A MINIMUM OF 48" FOR #5 BARS, AND 30" FOR #4 BARS UNLESS OTHERWISE SPECIFIED IN DRAWINGS.

BOLTS

A. ALL BOLTS AND ANCHOR BOLTS SHALL COMFORM ATO ASTM A-307

B. BOLTS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED BY THE HOT-DIP OR MECHANICAL PROCESS

WELDING

A. ALL WELDING SAHLL BE IN COMFORMANCE TO:
  - a. AWS D1.1, EXCEPT AS MODIFIED IN SECTION J2, AISC-360 FOR STEEL
  - b. AWS D1.3 FOR LIGHT GUAGE STEEL
  - c. AWS D1.4 FOR REINFORCING STEEL

B. ELECTRODE CLASSIFICATION:
  - a. E70XX FOR STEEL AND CONCRETE STEEL REINFORCEMENT
  - b. E60XX FOR LIGHT GUAGE STEEL

C. WELDS SHALL BE CAPABLE OF PRODUCING THE FOLLOWING V-NOTCH TOUGHNESS AS DETERMINED BY APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MANUFACTURER CERTIFICATION:
  - a. LATERAL FORCE RESISTING SYSTEM (LFRS) = 20 FT-LB AT 0 DEGREE F
  - b. COMPLETE JOINT PENETRATION GROOVE WELD = 20 FT-LB AT 40 DEGREE F

D. SHOP AND FIELD WELDING SHALL BE PERFORMED BY APPROVED AND QUALIFIED WELDERS.

E. INSPECTION:
  - a. PERIODIC INSPECTION OF FILLET WELDS LESS THAN OR EQUAL TO 5/16", FLOOR AND ROOF DECK WELDS.
  - b. CONTINUOUS INSPECTION FOR OTHER WELDS.

F. NONDESTRUCTIVE TESTING (NDT):
  - a. ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16" OR THICK OR GREATER. ULTRASONIC TESTING NOT REQUIRED FOR MATERIALS LESS THAN 5/16" THICK. TESTING FREQUENCY MAY BE REDUCED TO 25%, PROVIDED PROVISIONS SET FORTH IN SECTION N5.5e, AISC-360 IS MET.
  - b. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. TESTING FREQUENCY MAY BE REDUCED TO 10%, PROVIDED PROVISIONS SET FORTH IN J6.2g, AISC-341 IS MET.

FOUNDATIONS

GEOTECHNICAL INVESTIGATION SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 1803A.1 THROUGH 1803A.8 BY A GEOTECHNICAL ENGINEER CONTRACTED BY THE DISTRICT. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TALBLE 1806A.2, WHERE GEOTECHNINCAL REPORTS IS NOT REQUIRED PER SECTION 1803A.2. A MAXIMUM ALLOWABLE SOIL PRESSURE OF 1000 PSF AND 1500 PSF SHALLBE PERMITTED FOR TEMPORARY WOOD AND PERMANENT CONCRETE FOUNDATIONS RESPECTIVELY IN ACCORDANCE WITH SECTION 4.6, IR 16-1.13

A PREVIIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED. THE ALLOWABLE FOUNDATIONA AND LATERAL SOIL PRESSURE VALUES ARE ALLOWED A 33% INCREASE FOR SHORT TERM WIND AND SEIMIC LOADS.

THE DISTRCT SHALL BE RESPONSIBLE FOR EXCAVATION, BACKFILL, SETTING ELEVATIONS, CRANING AND RIGGING. PROVIDE SHIMS TO LEVEL BUILDING WITHIN 1/2" TOLERANCE.

COLD-FORMED STEEL:

A. ALL WORK SHALL, UNLESS MODIFIED BY THE CONCTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT AISI SPECIFICATIONS AND STANDARDS.

B. MATERIAL SPECIFICATION:
  - a. ASTM A-1011/A, GRADE 33 FOR MATERIALS THICKNESS 0.120 OR LESS UNLESS OTHERWISE NOTED
  - b ASTM A-1003, GRADE 33 TYPE H FOR LIGHT GUAGE STUDS AND TRACKS
  - c. SHAPES SHALL BE DIMENSIONED TO SSMA SPECIFICATIONS.

C. SCREWS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED

STEEL DECK

MINIMUM THICKNESS PERMITTED FOR FLOOR STEEL DECKS IS 20GA.

CHANGES

CHANGES AFFECTING STRUCTURAL PORTION OF THE APPROVED PC SHALL NEED DSA APPROVAL AND SHALL BE CLASSIFIED AS CCD CATEFORY A.

WOOD

ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPORVED GRADING AGENCY

SHEATHING:

EACH SHEETS SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION IN ACCORDANCE WITH THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

1. SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD, SHALL PROVIDE A SMOOTH AND UNIFORM SURFACE CAPABLE OF ACCEPTING CARPET FINISH
2. PLYWOOD ROOF DECK OPTION: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING
3. EXTERIOR WALL SIDING:
   - I. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
   - II. OPTION: 5/8" MDO
   - III. OPTION: 1/2" OSB OR CDX PLYWOOD FOR PLATER/STUCCO FINISH
4. EXTERIOR WALL SIDING ATTACHMENT:

   FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS, SILICON BRONZE OR COPPER PER CBC SECTION 2304.9.1.1

   FASTEN TO WOOD FRAMING WITH 8D BOX NAILS @ 6" E.N., 12" F.N.
   FASTEN TO LIGHT GAGE METAL FRAMING WITH #8 WAFER HEAD STSMS @ 6" E.N., 12" F.N.
   FASTEN TO STRUCTURAL STEEL WITH #12 STSMS OR 0.145 DIAM SHOT PINS @ 12" O.C.

TREATED WOOD:

ALL WOOD LOCATED WITHIN 18" OF EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL IN ACCORDANCE WITH CBC SECTION 2304.11.2.2.

1. ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
2. ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC # ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

ROOF DIAPHRAGM:

3/4" T&G RATED SHEATHING, EXPOSURE 1, 48/24 SPAN RATING
FASTEN AT METAL SUPPORTS W/ #8 x 1 1/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS @ 4" O.C. BN, 6" O.C. EN, AND 12" O.C. FN. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

FLOOR DIAPHRAGM:

1 1/8" PLYWOOD - STURD-I-FLOOR T&G RATED SHEATHING, EXTERIOR, 48" oc SPAN RATING
FASTEN AT METAL SUPPORTS W/ #8 - 24 x 1 3/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS @ 6" O.C. BN, 6" O.C. EN, 12" FN. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2

CONCRETE FLOOR DATA:
LIGHTWEIGHT CONCRETE FLOOR
STRENGHT: 3500 PSI OR 4000 PSI
TYPE: I OR II
DESINTY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:

2 x STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" OC.

NAILING NOTES:

1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL NOT BE LESS THAN 3" IN OVERALL LENGHT.
3. NAILS SHALL BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIREMENT EMBEDMENT IS MAINTAINED.

CONNECTIONS AND FASTENERS:

ALL CONNECTIONS AND FASTENERS IN DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT PROVIDING ICC REPORTS ARE SUBMITTED TO AND APPROVED BY DSA.

CONNECTIONS LAG SCREWS:

LAG SCREWS SHALL BE INSTALLED WITH WHASHER AND TURNED BY WRENCH, OVER-TORQUING SHALL BE AVOIDED. A PRE-DRILLED CLEARANCE AND LEAD HOLE SHALL BE REQUIRED AS DESCRIBED BELOW:

a) THE CLEARANCE HOLE FOR THE UNTHREADED PORTION OR THE SHANK SHALL HAVE SAME DEPTH AND DIAMETER.

b) THE LEAD HOLE FOR THE THREADED PORTION OF THE SHANK SHALL HAVE SAME DEPTH AND
65% TO 85% OF SHANK DIAMETER FOR LUMBER WITH SPECIFC GRAVITY OF, $G > 0.6$
60% TO 75% OF SHANK DIAMETER FOR LUMBER WITH SPECIFC GRAVITY OF, $0.5 < G \le 0.6$
40% TO 70% OF SHANK DIAMETER FOR LUMBER WITH SPECIFC GRAVITY OF, $G \le 0.5$

LEAD OR CLEARANCE HOLES SHALL NOT BE REQUIRED FOR 3/8" DIAMETER OR SMALLER LAG SCREWS.

BALLISTIC PINS OPTIONS

1. HILTI X-CR PIN WITH 0.145 SHANK DIAMTER, ICC ESR-1663
2. RAMPSET 1500 PIN WITH 0.145 SHANK DIAMTER, ICC ESR-1799
3. SIMPSON STRONG TIE PDP PIN WITH 0.145 SHANK DIAMTER, ICC ESR-2138

NAILING SCHEDULE: (ALL NAILS SHALL BE COMMON, GALVANIZED WHERE EXPOSED) PER C.B.C. TABLE 2304.9.1

	CONNECTION	FASTENING	LOCATION
1.	JOIST TO SILL OR GIRDER	3-8d	TOENAIL
2.	BRIDGING TO JOIST	2-8d	TOENAIL EA. END
3.	1X6 OR LESS SUBFLOOR TO EA. JOIST	2-8d	FACE NAIL
4.	WIDER THAN 1X6 SUBFLOOR TO EA. JOIST	3-8d	FACE NAIL
5.	2" SUBFLOOR TO JOIST	2-16d	BLIND & FACE NAIL
6.	SOLE PLT. TO JOIST OR BLK'G. TO EA. JOIST	16d@16"	TYP. FACE NAIL
	SOLE PLT. TO JOIST OR BLK'G. @ BRACED WALL PANEL	3-16d@16"	TYP. FACE NAIL
7.	TOP PLT. TO STUD	2-16d	END NAIL
8.	STUD TO SOLE PLT.	2-16d	END NAIL
	OR	4-8d	TOENAIL
9.	DOUBLE STUDS	16d@24"	END NAIL
10.	DOUBLE TOP PLT.	16d@16"	TYP. FACE NAIL
	DOUBLE TOP PLT.	8-16d MIN. U.N.O.	LAP SPLICE
11.	BLKG. BTW. JOIST OR RAFTERS TO TOP PLT.	3-8d	TOENAIL
12.	RIM JOIST TO TOP PLT.	8d@6"	TOENAIL
13.	TOP PLT., LAPS & INTERSECTIONS	2-16d	FACE NAIL
14.	CONT. HDR. 2 PIECES	16d@16"	ALONG EDGE
15.	CLG. JOIST TO PLT.	3-8d	TOENAIL
16.	CONT. HDR. TO STUD	4-8d	TOENAIL
17.	CLG. JOIST LAP OVER PARTITONS	3-16d	FACE NAIL
18.	CLG. JOIST PARALLEL TO RAFTERS	3-16d	FACE NAIL
19.	RAFTER TO PLT.	3-8d	TOENAIL
20.	1" DIA. BRACE TO EA. STUD & PLT.	2-8d	FACE NAIL
21.	1X8 SHT'G. TO EA. BRG.	3-8d	FACE NAIL
22.	WIDER THAN 1X8 SHT'G. TO BRG.	3-8d	FACE NAIL
23.	BUILT-UP CORNER STUDS	16d@24"	FACE NAIL
24.	BUILT-UP GIRDERS & BEAMS	20d@32"	FACE NAIL @ TOP & BTM. STAGR. ON OPP. SIDES
		2-20d	FACE NAIL @ ENDS & @ EA. SPLICE
25.	2" PLANKS	2-16d	@ EA. BRG.
26.	COLLAR TIE TO RAFTER	3-10d	FACE NAIL
27.	JACK RAFTER TO HIP	3-10d	TOENAIL
28.	ROOF RAFTER TO 2X RIDGE	2-16d	TOENAIL
		2-16d	FACE NAIL
29.	JOIST TO BAND JOIST	3-16d	FACE NAIL
30.	4X BLOCKING TO STUDS	1-A34	FACE NAIL

12" = 1'-0"
STRUCTURAL NOTES

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISCH
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 0 8 2016

Revision Schedule

#	Description	Date

SHEET TITLE
STRUCTURAL GEN NOTES

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

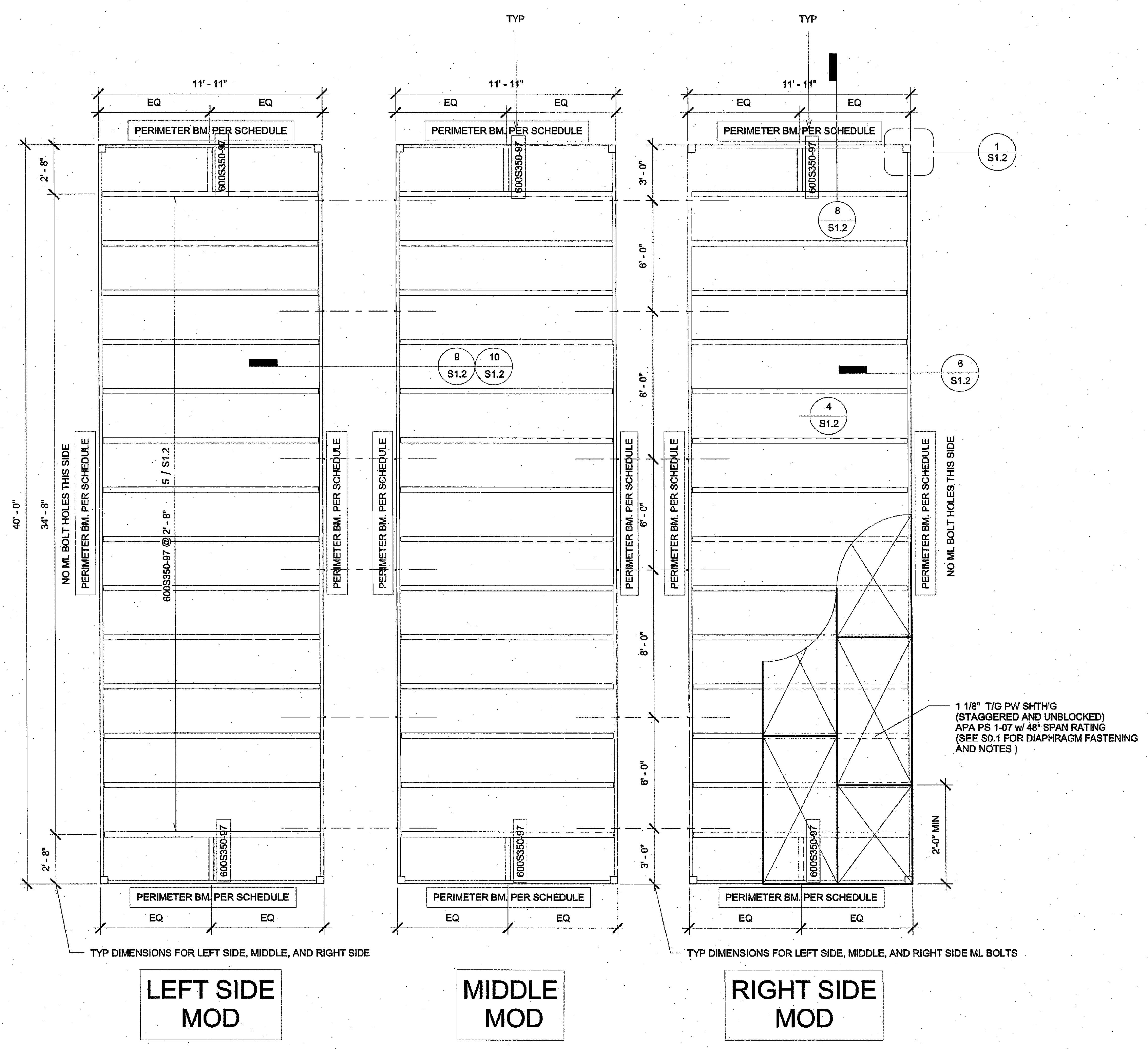
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
S0.1

SHEET OF SHEETS

ADDENDUM


TYP
TYP
11' - 11"
11' - 11"
11' - 11"
EQ
EQ
PERIMETER BM. PER SCHEDULE
600S350-97
2' - 8"
40' - 0"
34' - 8"
2' - 8"
3' - 0"
6' - 0"
8' - 0"
6' - 0"
8' - 0"
6' - 0"
3' - 0"
NO ML BOLT HOLES THIS SIDE
PERIMETER BM. PER SCHEDULE
600S350-97 @ 2' - 8"
5 / S1.2
9 S1.2
10 S1.2
1 S1.2
8 S1.2
6 S1.2
4 S1.2
2'-0" MIN
1 1/8" T/G PW SHTH'G
(STAGGERED AND UNBLOCKED)
APA PS 1-07 w/ 48" SPAN RATING
(SEE S0.1 FOR DIAPHRAGM FASTENING AND NOTES)
TYP DIMENSIONS FOR LEFT SIDE, MIDDLE, AND RIGHT SIDE
TYP DIMENSIONS FOR LEFT SIDE, MIDDLE, AND RIGHT SIDE ML BOLTS
LEFT SIDE MOD
MIDDLE MOD
RIGHT SIDE MOD

Perimeter Floor Beam Schedule			
HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
☐ 9'	C7x9.8	C7x9.8	C7x9.8
☐ 10'	C7x9.8	C8x11.5	C8x11.5

NOTE: SPLICE AT FLOOR BEAM PERMITTED PER 3/S1.2

Column Schedule			
HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
☐ 9'	5x5X1/4	5x5X1/4	5x5X1/4
☐ 10'	5x5X1/4	5x5X1/4	5x5X1/4
			3x3X3/16 mid-span column

1 1/4" = 1'-0"
WD Shth'g Flr Framing Plan (50+15 PSF)

3/3/2016 8:15:59 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3380
STRUCTURAL
STATE OF CALIFORNIA
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
WD SHTH'G FLR
FRM'G PLAN
(50+15 PSF)

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

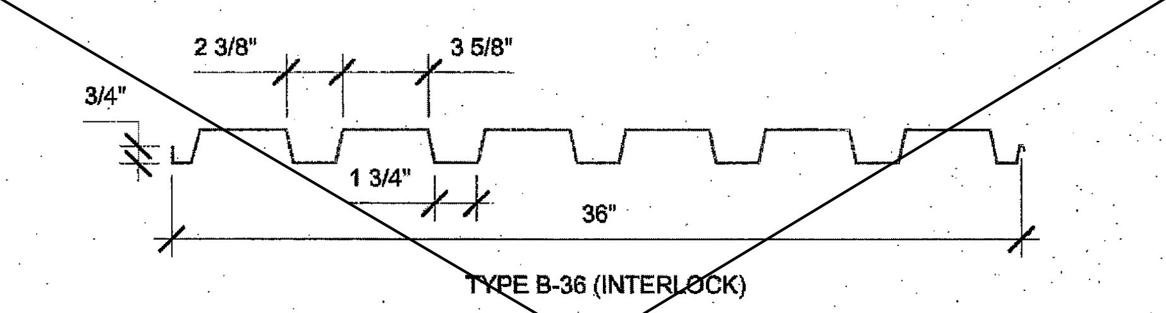
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
S1.0.1

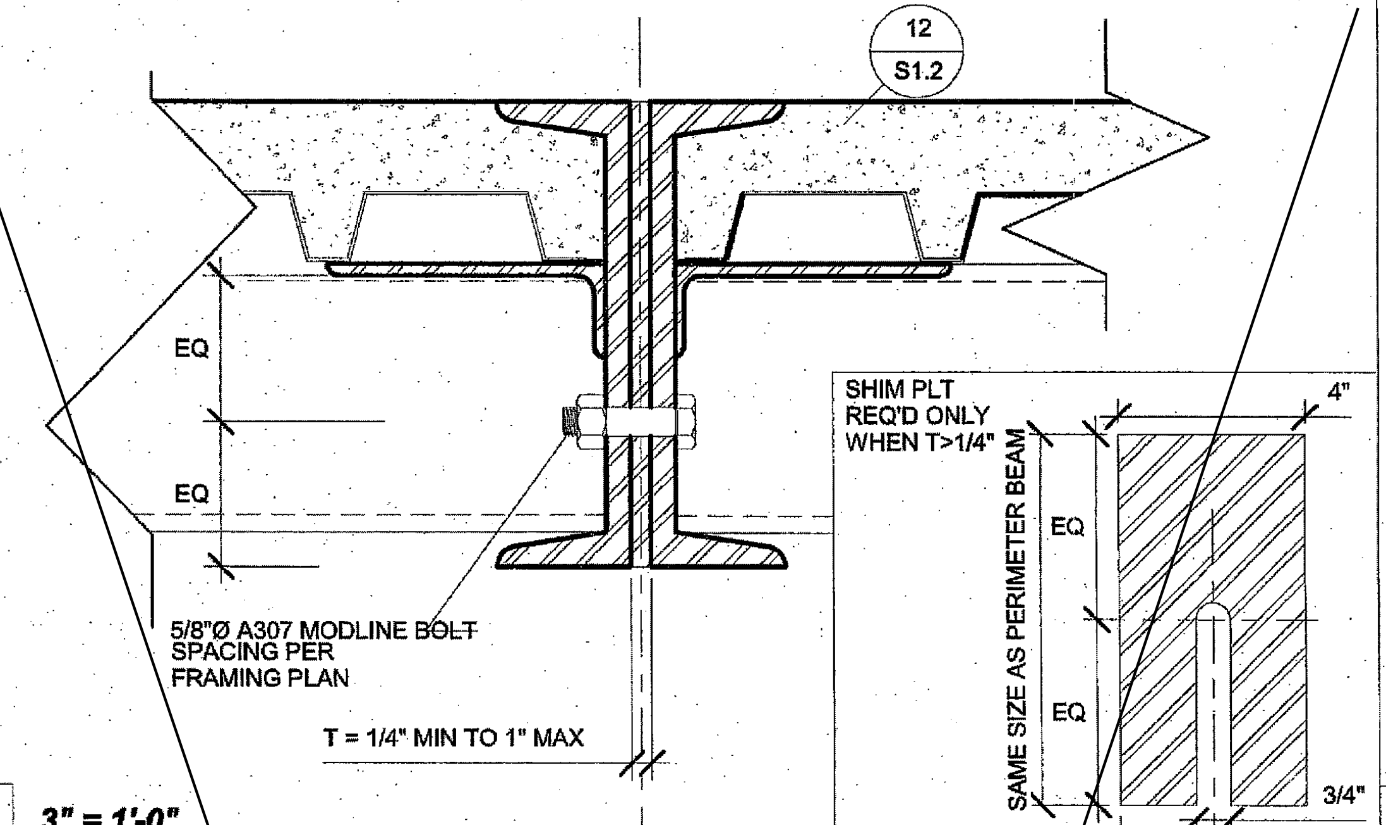
SHEET OF SHEETS

ADDENDUM

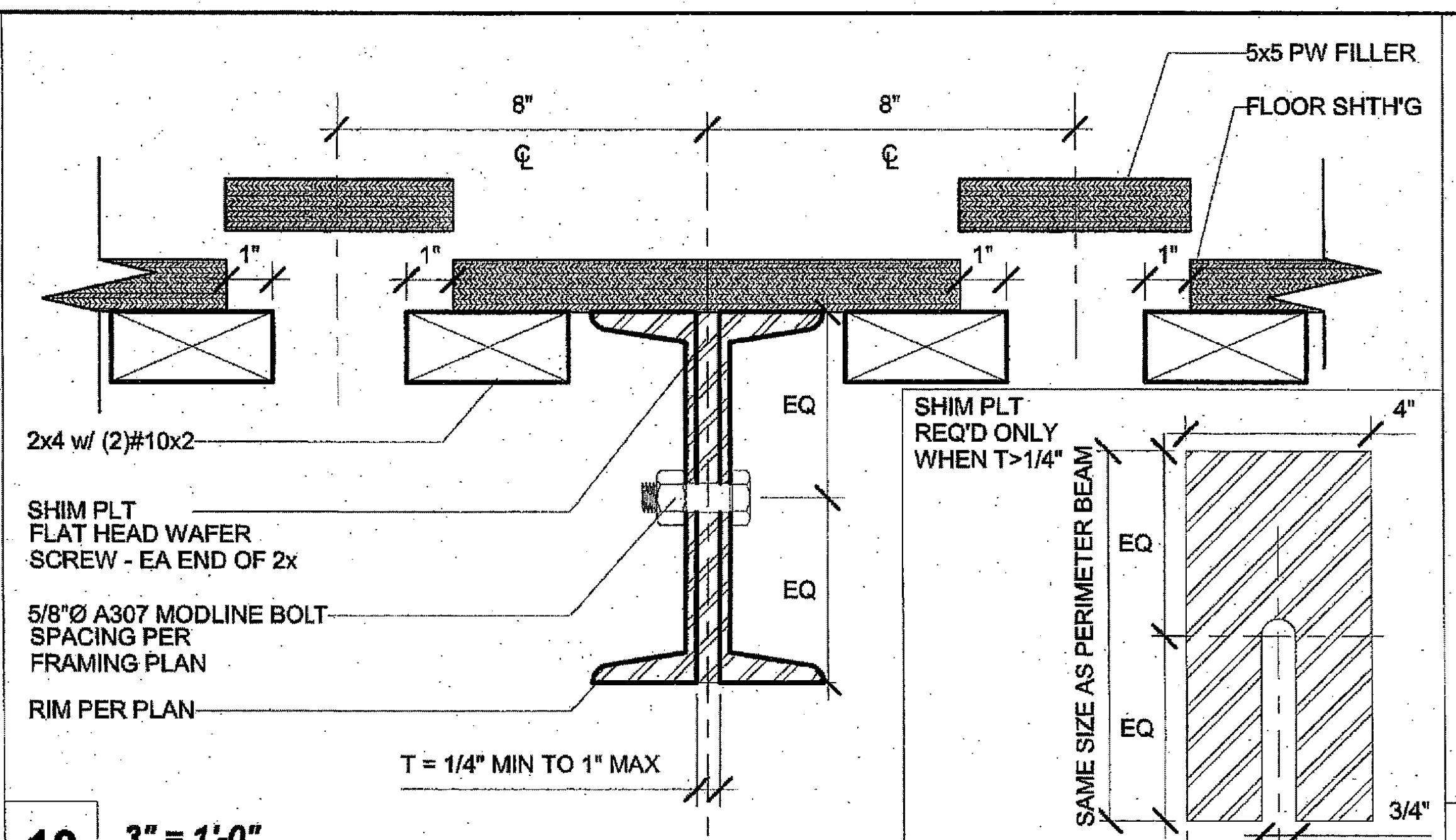


DECK SECTION PROPERTIES
TYPE B
THICKNESS = 0.036"
POSITIVE = 0.235 IN²
NEGITIVE = 0.246 IN³
I = 0.22 IN⁴

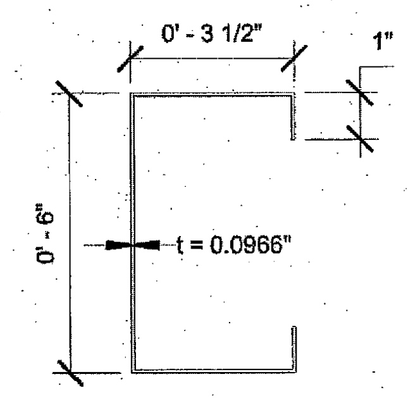
20 1 1/2" = 1'-0"
MTL Deck Section Properites


12
S1.2
EQ
EQ
5/8"Ø A307 MODLINE BOLT SPACING PER FRAMING PLAN
T = 1/4" MIN TO 1" MAX
MODLINE
SHIM PLT REQ'D ONLY WHEN T>1/4"
4"
SAME SIZE AS PERIMETER BEAM
EQ
EQ
3/4"
EQ
SHIM PLT

15 3" = 1'-0"
Flr @ ML w/ Shim (CONC FLR)

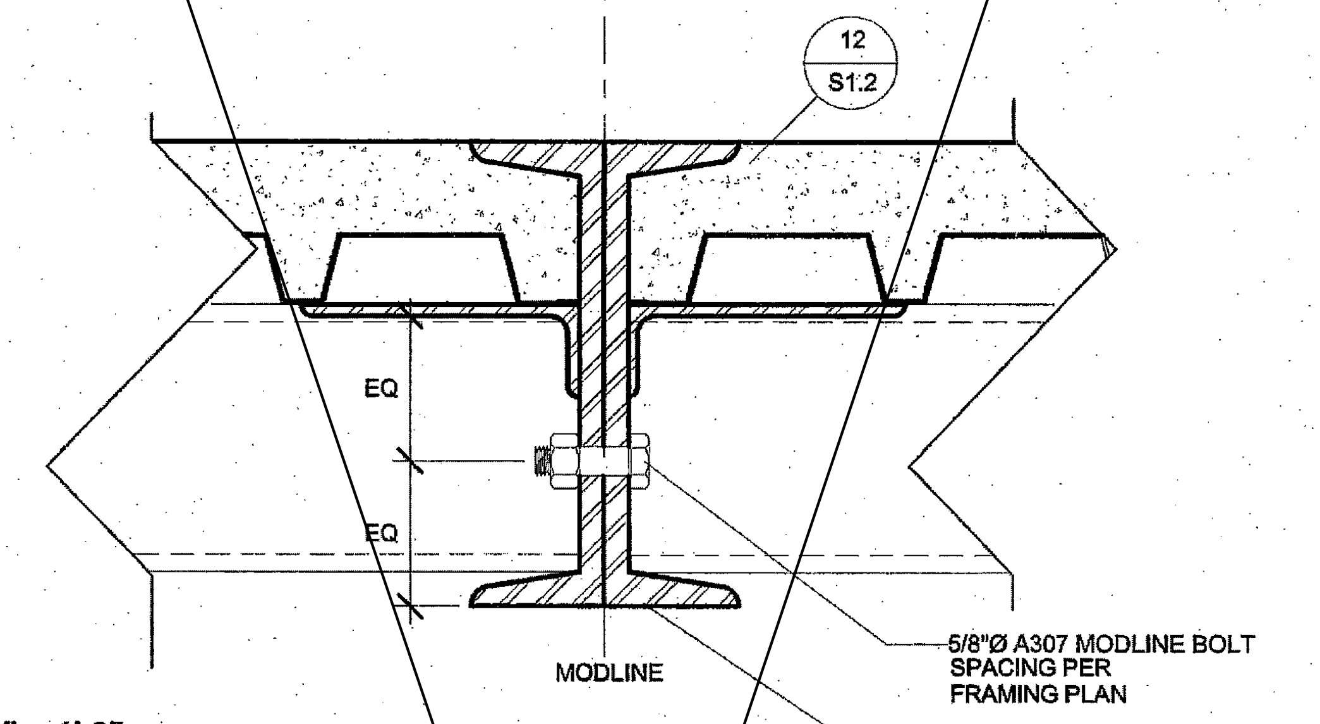

5x5 PW FILLER
FLOOR SHTH'G
8"
8"
℄
℄
1"
1"
1"
1"
2x4 w/ (2)#10x2
SHIM PLT
FLAT HEAD WAFER SCREW - EA END OF 2x
5/8"Ø A307 MODLINE BOLT SPACING PER FRAMING PLAN
RIM PER PLAN
EQ
EQ
T = 1/4" MIN TO 1" MAX
SHIM PLT REQ'D ONLY WHEN T>1/4"
4"
SAME SIZE AS PERIMETER BEAM
EQ
EQ
3/4"
EQ
SHIM PLT

10 3" = 1'-0"
Flr @ ML w/ Shim (WD FLR)

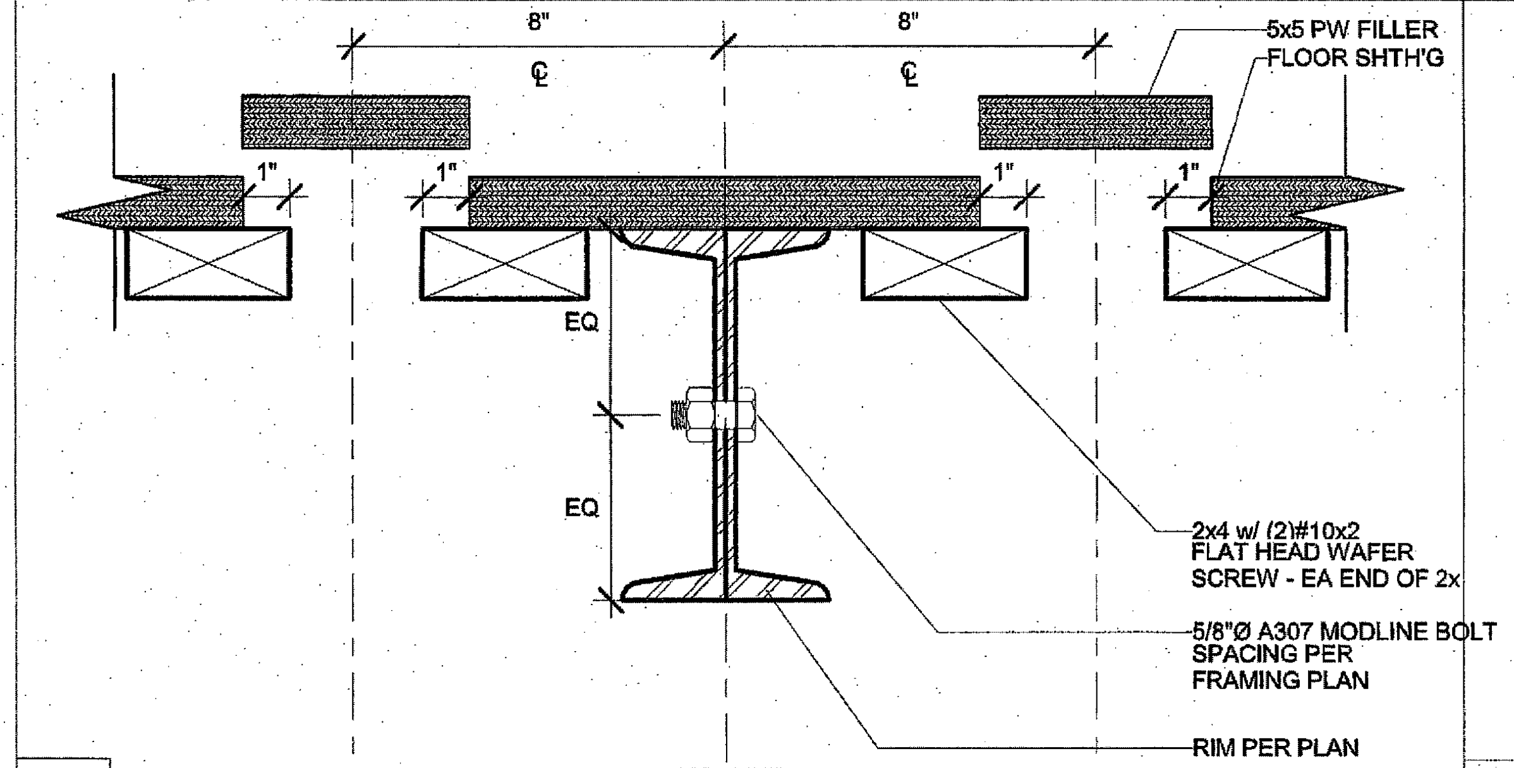


CHANNEL JOIST SECTION PROPERTIES
A-1011, GRADE 33
t = 0.0966"
S_x = 2.4465 IN³
I_x = 8.631 IN⁴
F_Y = 33 KSI

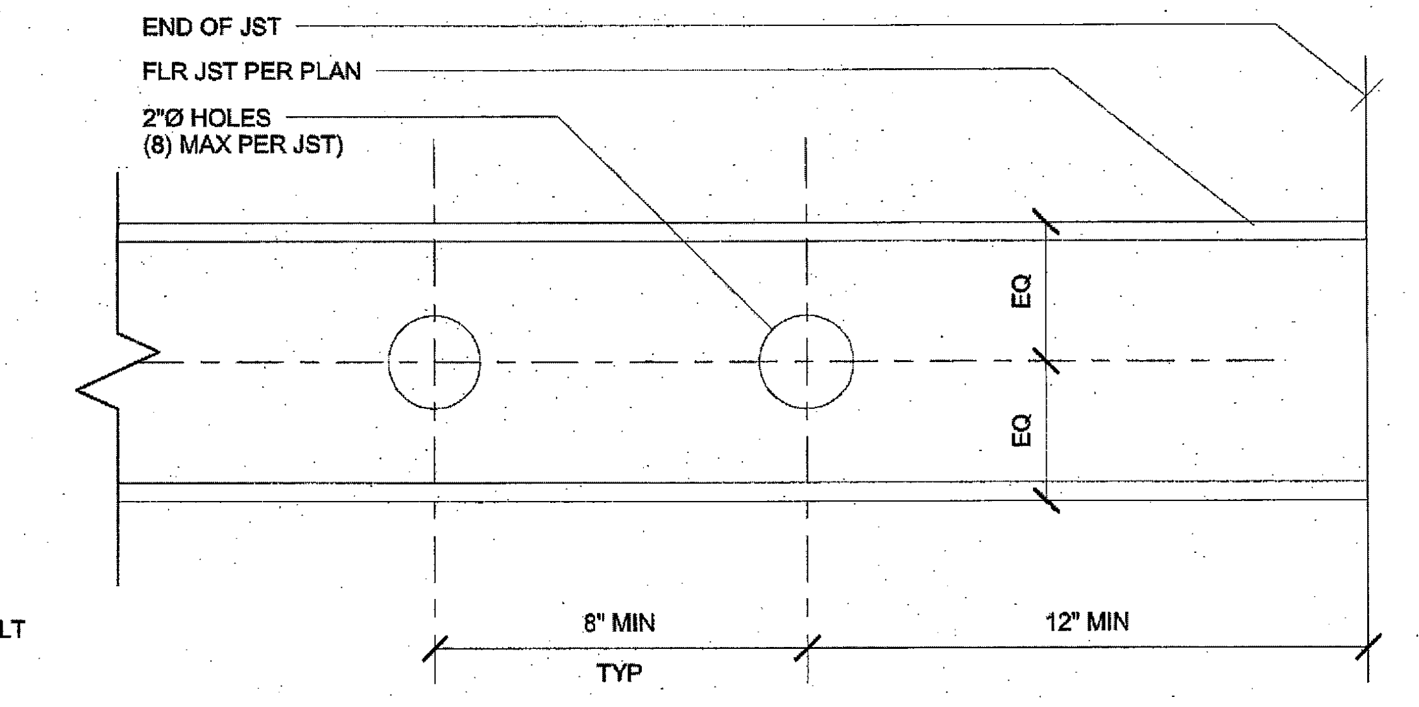
5 3" = 1'-0"
Channel Joist Section Properites



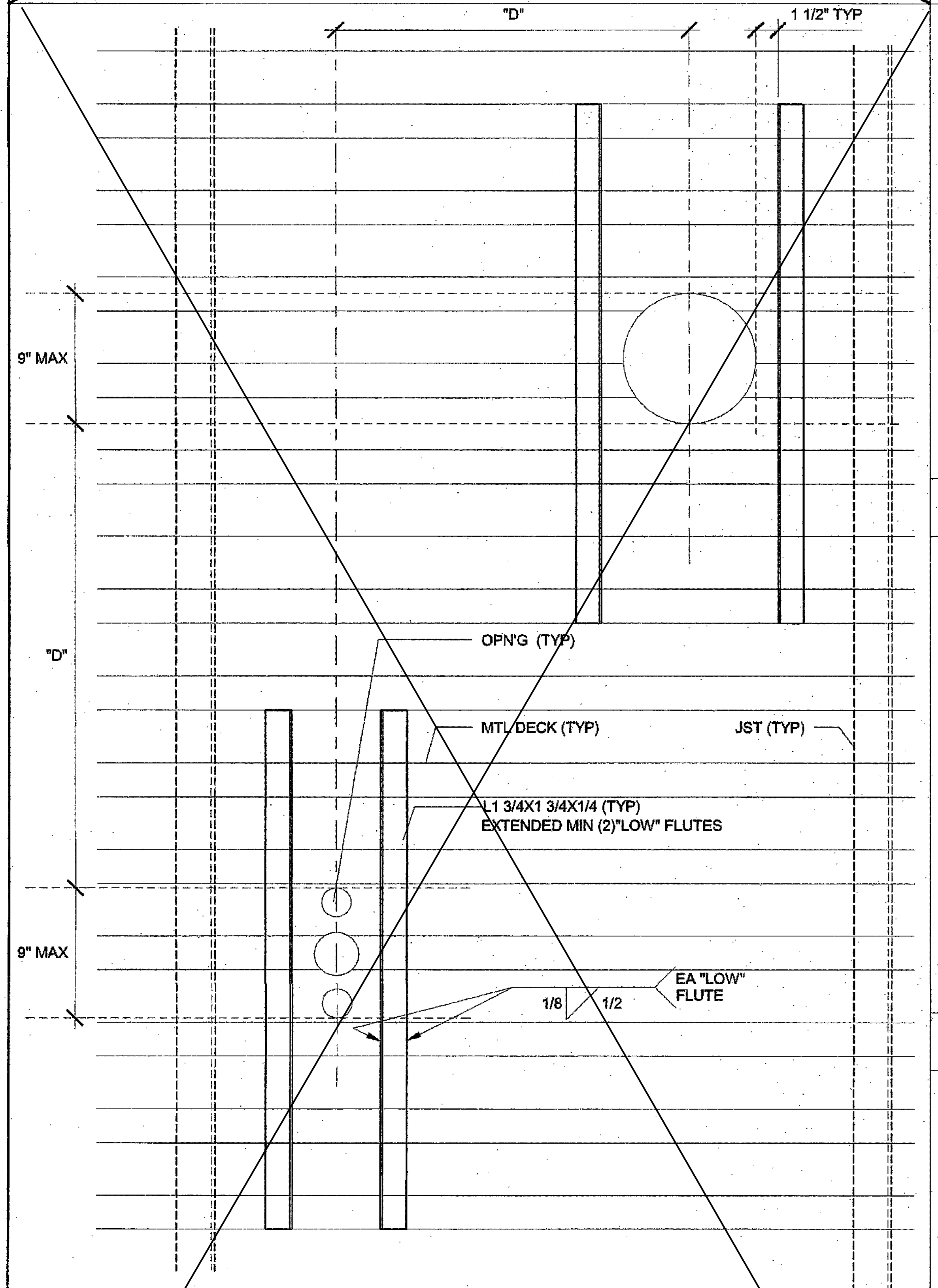
14 3" = 1'-0"
Flr @ ML (CONC FLR)1


8"
8"
℄
℄
5x5 PW FILLER
FLOOR SHTH'G
1"
1"
1"
1"
EQ
EQ
2x4 w/ (2)#10x2 FLAT HEAD WAFER SCREW - EA END OF 2x
5/8"Ø A307 MODLINE BOLT SPACING PER FRAMING PLAN
RIM PER PLAN
MODLINE

9 3" = 1'-0"
Flr @ ML (WD FLR)1



4 3" = 1'-0"
Elevation - Allowable Jst Holes



1. THIS DETAIL IS FOR USE ONLY FOR OPENINGS OR OPENING GROUPS THAT ARE 0'-9" OR SMALLER.

2. OPENINGS 2"Ø OR LESS NOT OCCURING IN THE FLUTE DO NOT REQUIRE REINFORCING AND MAY BE CORED THRU THE CONCRETE.

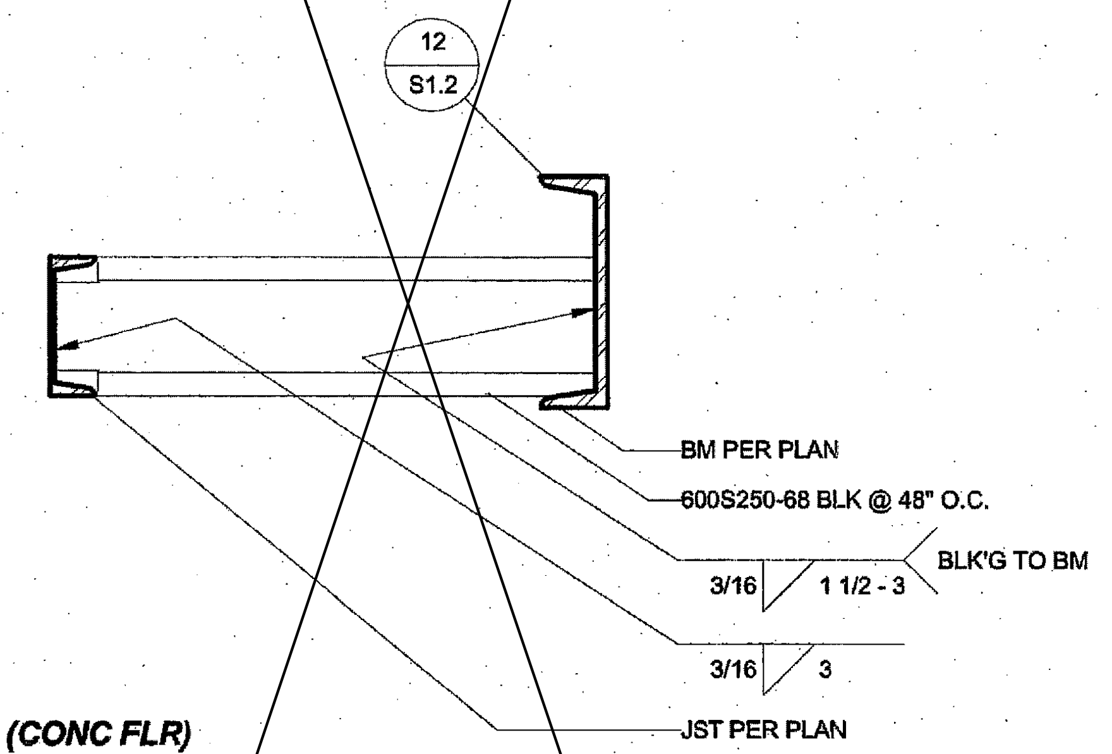
3. IF "D" IS LESS THAN 32" THEN THE GROUP OF OPENINGS MUST BE BLOCKED OUT WITH ADDITIONAL FRAMING.

4. PRIOR TO CONCRETE POUR, BLOCK OUT THE OPENINGS. AFTER THE CONCRETE HAS BEEN CURED THE DECK MAY BE CUT.

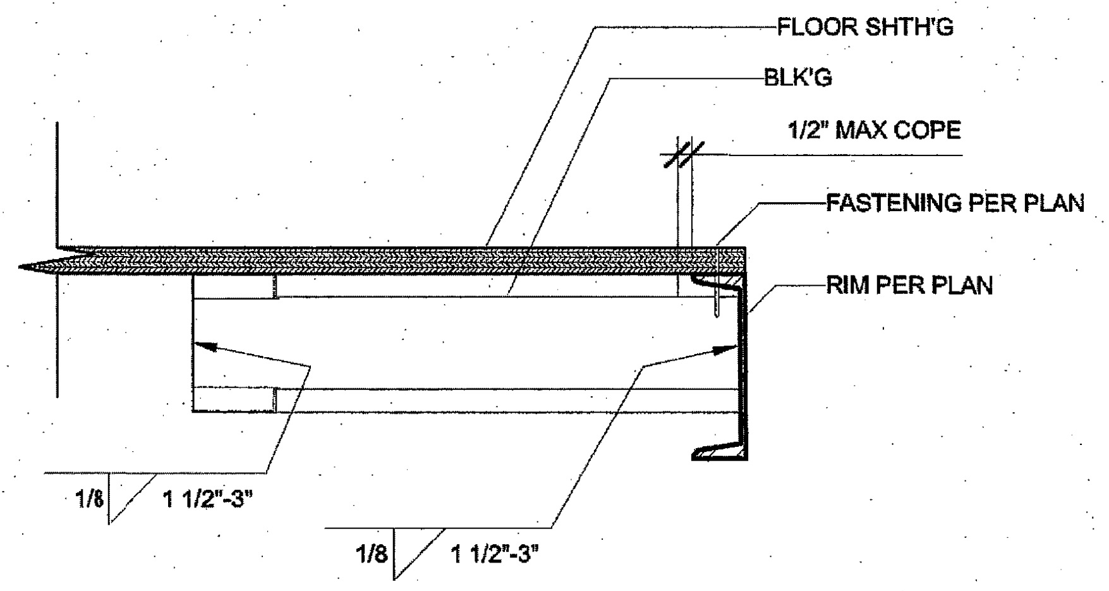
5. INDIVIDUAL HOLES LESS THAN 6"Ø (152 MM) AND CUTTING NO MORE THAN ONE FLUTE NEEDS NO REINFORCING

16 1 1/2" = 1'-0"
Typ Deck Penetrations (CONC FLR)

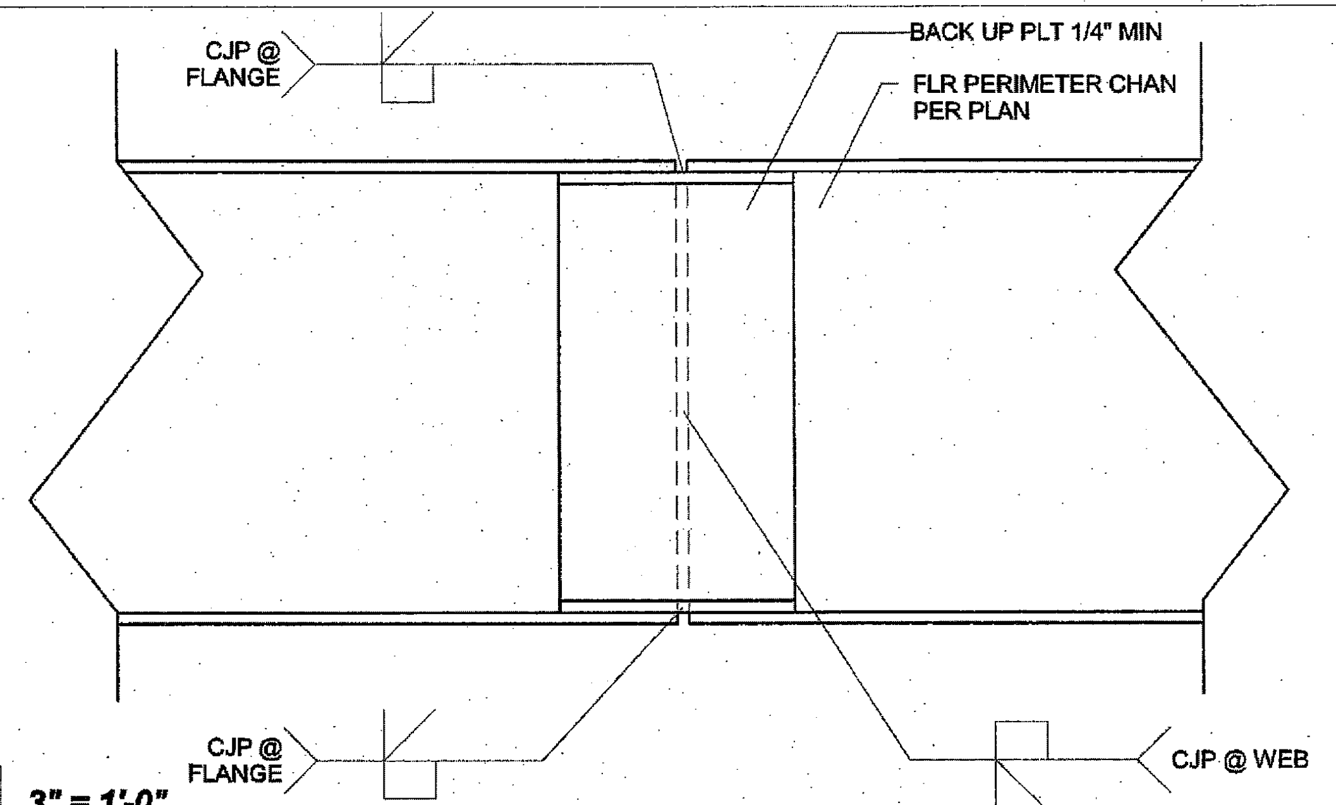
3/3/2016 8:16:21 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt



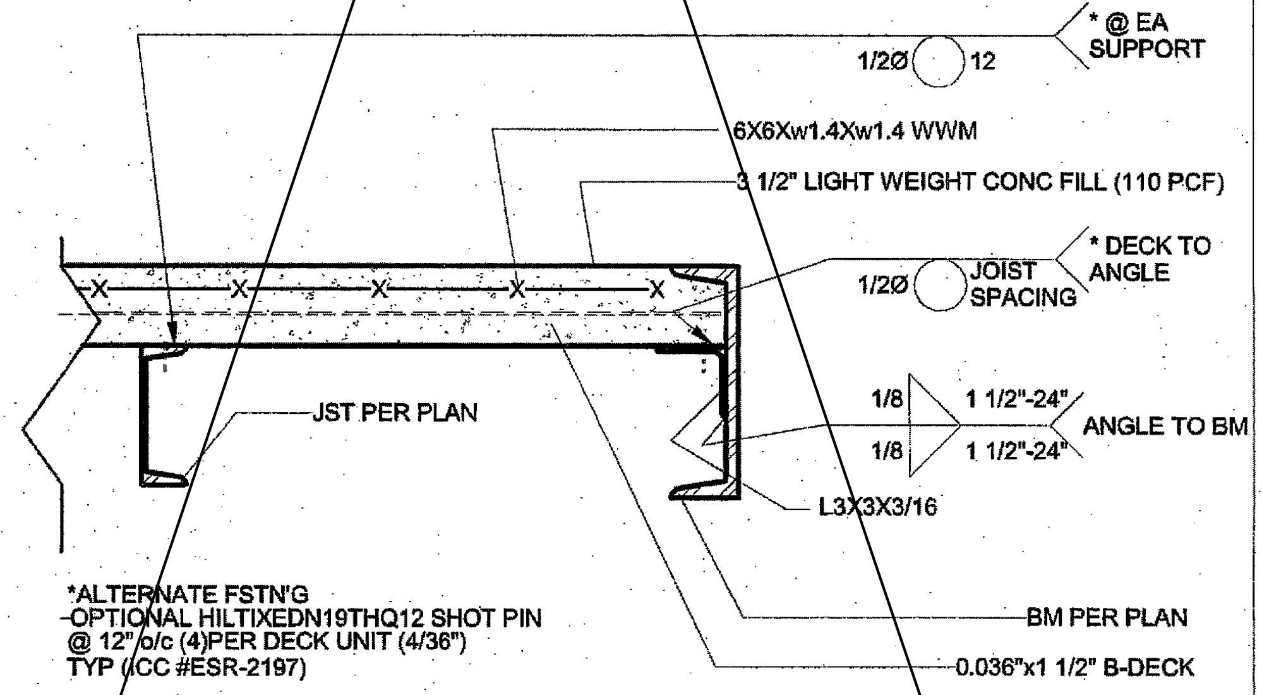
13 1 1/2" = 1'-0"
Typ Blocking (CONC FLR)



8 1 1/2" = 1'-0"
Typ Blk'g Connection @ Rim (WD FLR)

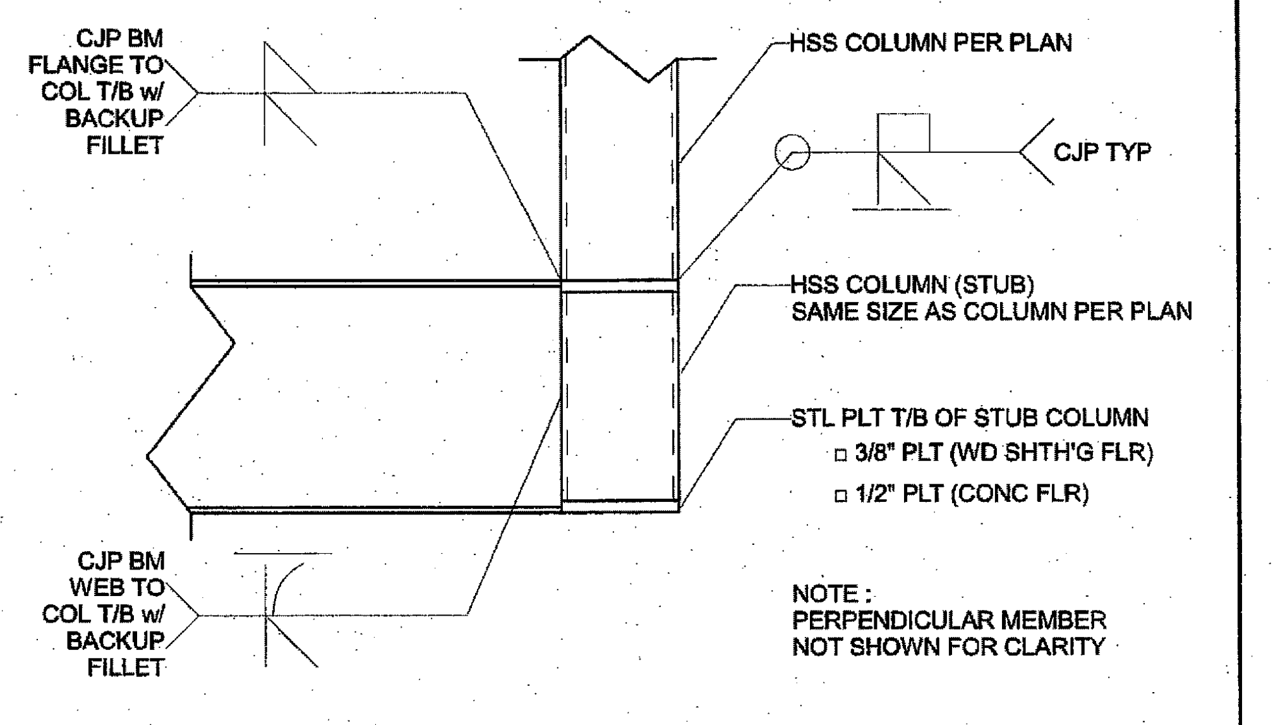


3 3" = 1'-0"
Flr Perimeter Beam Splice



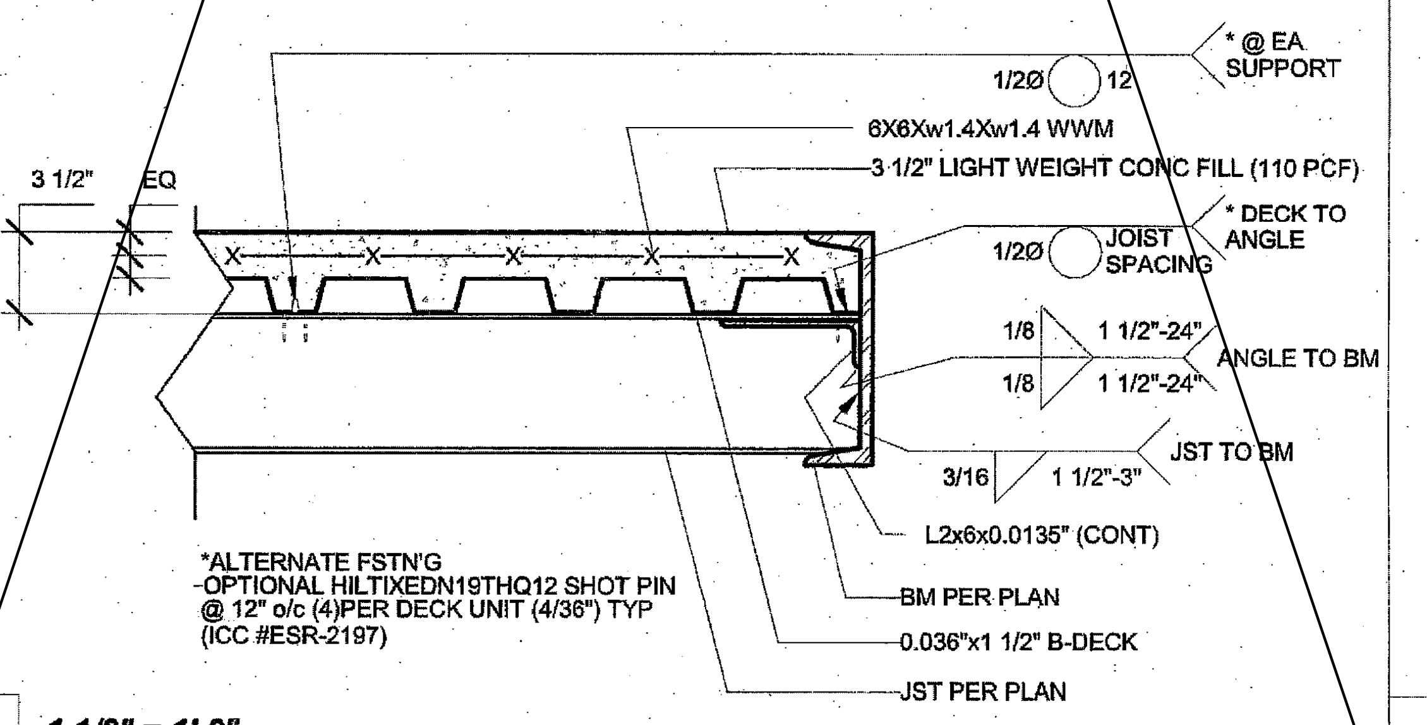
*ALTERNATE FSTN'G
-OPTIONAL HILTIXEDN19THQ12 SHOT PIN @ 12" o/c (4)PER DECK UNIT (4/36") TYP (ICC #ESR-2197)

12 1 1/2" = 1'-0"
Typ End Beam Connection @ Rim (CONC FLR)


CJP BM FLANGE TO COL T/B w/ BACKUP FILLET
HSS COLUMN PER PLAN
CJP TYP
HSS COLUMN (STUB) SAME SIZE AS COLUMN PER PLAN
STL PLT T/B OF STUB COLUMN
□ 3/8" PLT (WD SHTH'G FLR)
□ 1/2" PLT (CONC FLR)
CJP BM WEB TO COL T/B w/ BACKUP FILLET

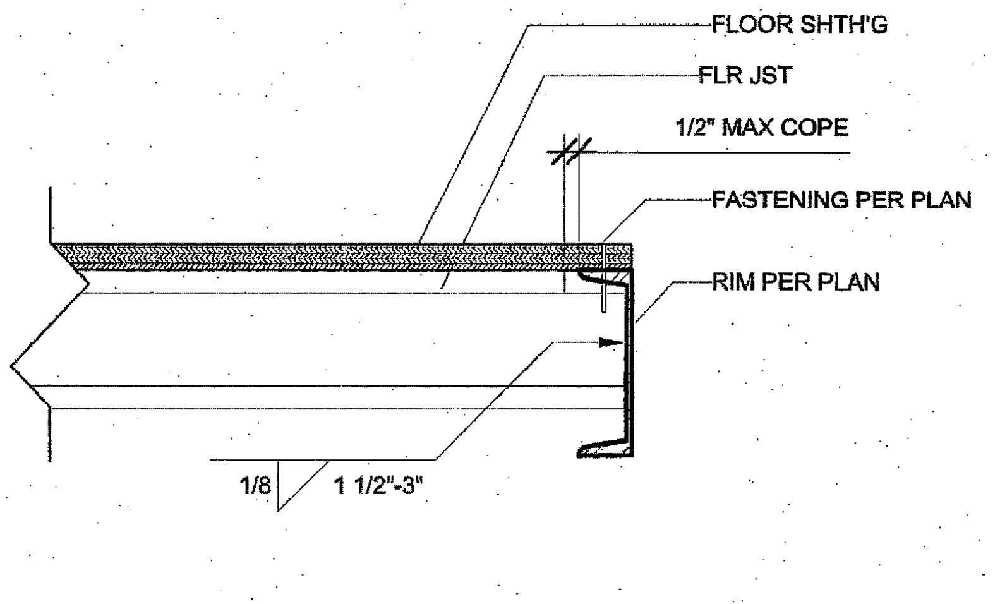
NOTE :
PERPENDICULAR MEMBER NOT SHOWN FOR CLARITY

2 1 1/2" = 1'-0"
Typ Flr Bm to Column Connection

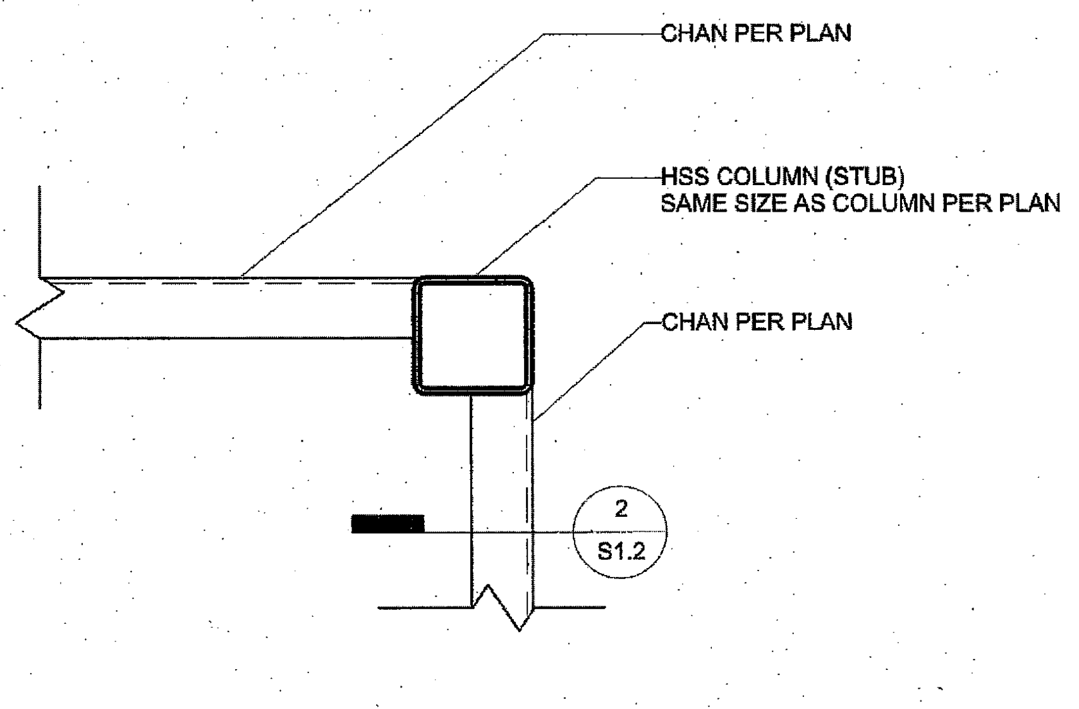


*ALTERNATE FSTN'G
-OPTIONAL HILTIXEDN19THQ12 SHOT PIN @ 12" o/c (4)PER DECK UNIT (4/36") TYP (ICC #ESR-2197)

11 1 1/2" = 1'-0"
Typ Side Beam Connection @ Rim (CONC FLR)



6 1 1/2" = 1'-0"
Typ Joist Connection @ Rim (WD FLR)



1 1 1/2" = 1'-0"
Typ Corner Connection

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISH
No. S3580
STRUCTURAL
STATE OF CALIFORNIA
Manny D. Frish
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE 2013 CBC A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 1 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 0 8 2016

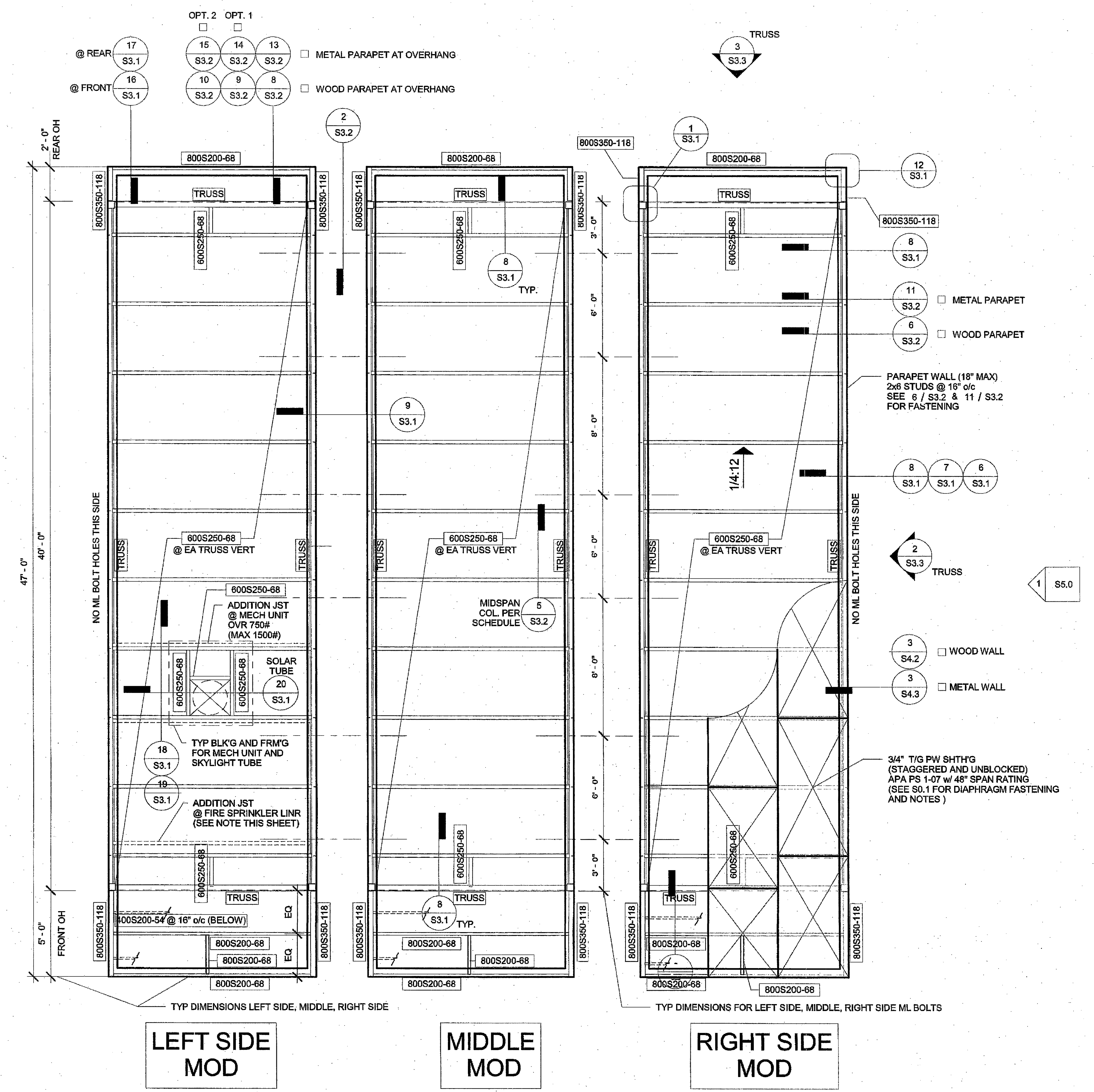
Revision Schedule

#	Description	Date

SHEET TITLE
STRUCTURAL
DETAILS
(FLOOR)

PROJECT NUMBER 15046
DRAWN BY rMc/SM
CHECKED BY JA/RT
DATE 2016/03/02
SHEET NO. S1.2
SHEET OF SHEETS

ADDENDUM


OPT. 2 ☐
OPT. 1 ☐
@ REAR 17 S3.1
@ FRONT 16 S3.1
15 S3.2
14 S3.2
13 S3.2
10 S3.2
9 S3.2
8 S3.2
☐ METAL PARAPET AT OVERHANG
☐ WOOD PARAPET AT OVERHANG
2 S3.2
TRUSS 3 S3.3
2'-0" REAR OH
47'-0"
40'-0"
5'-0" FRONT OH
800S200-68
800S350-118
TRUSS
600S250-68
8 S3.1 TYP.
9 S3.1
1 S3.1
12 S3.1
8 S3.1
11 S3.2 ☐ METAL PARAPET
6 S3.2 ☐ WOOD PARAPET
PARAPET WALL (18" MAX) 2x6 STUDS @ 16" o/c SEE 6 / S3.2 & 11 / S3.2 FOR FASTENING
1/4:12
8 S3.1
7 S3.1
6 S3.1
3'-0"
6'-0"
8'-0"
6'-0"
8'-0"
6'-0"
3'-0"
NO ML BOLT HOLES THIS SIDE
600S250-68 @ EA TRUSS VERT
600S250-68
ADDITION JST @ MECH UNIT OVR 750# (MAX 1500#)
SOLAR TUBE 20 S3.1
MIDSPAN COL. PER SCHEDULE 5 S3.2
2 S3.3 TRUSS
1 S5.0
3 S4.2 ☐ WOOD WALL
3 S4.3 ☐ METAL WALL
TYP BLK'G AND FRM'G FOR MECH UNIT AND SKYLIGHT TUBE
18 S3.1
19 S3.1
ADDITION JST @ FIRE SPRINKLER LINR (SEE NOTE THIS SHEET)
3/4" T/G PW SHTH'G (STAGGERED AND UNBLOCKED) APA PS 1-07 w/ 48" SPAN RATING (SEE S0.1 FOR DIAPHRAGM FASTENING AND NOTES)
400S200-54 @ 16" o/c (BELOW)
EQ
8 S3.1 TYP.
TYP DIMENSIONS LEFT SIDE, MIDDLE, RIGHT SIDE
TYP DIMENSIONS FOR LEFT SIDE, MIDDLE, RIGHT SIDE ML BOLTS
LEFT SIDE MOD
MIDDLE MOD
RIGHT SIDE MOD

NOTES:

FIRE SPRINKLER
ADDITIONAL ROOF JOIST FOR FIRE SPRINKLER LINE AS REQ'D
LOCATION OF FIRE SPRINKLER AND ADDITIONAL JOIST TO BE DETERMINED

1 1/4" = 1'-0"
Mono Roof Framing Plan

3/15/2016 9:53:50 AM   C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 Bernardo Plaza Ct. Suite 105
San Diego, CA 92128 858.444.3344
www.rstavares.com

PROFESSIONAL STAMP
MANNY D. FRISH
No. S3380
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
MONO SLOPE
ROOF FRM'G PLAN

PROJECT NUMBER
15046

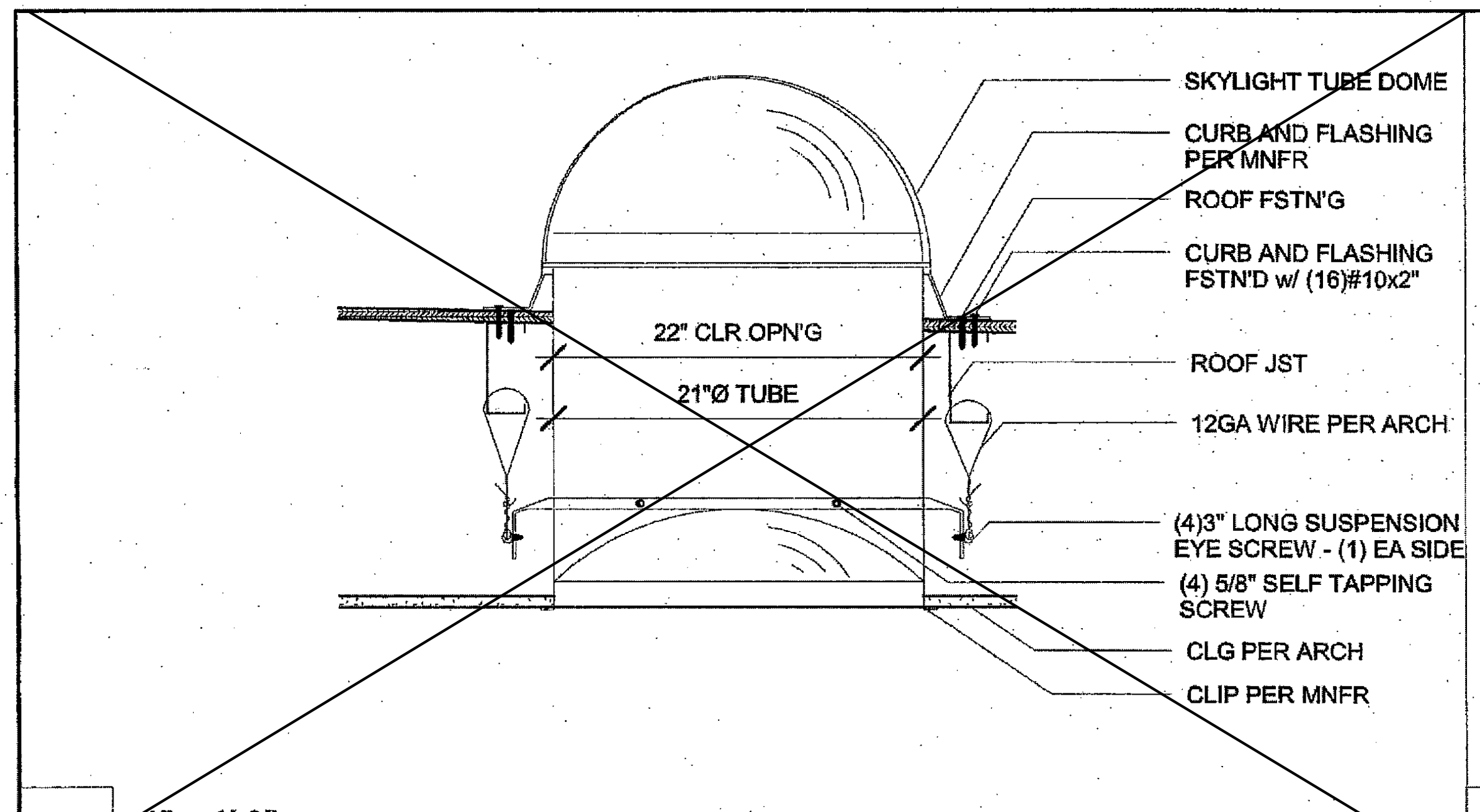
DRAWN BY
rMc/SM

CHECKED BY
JA/RT

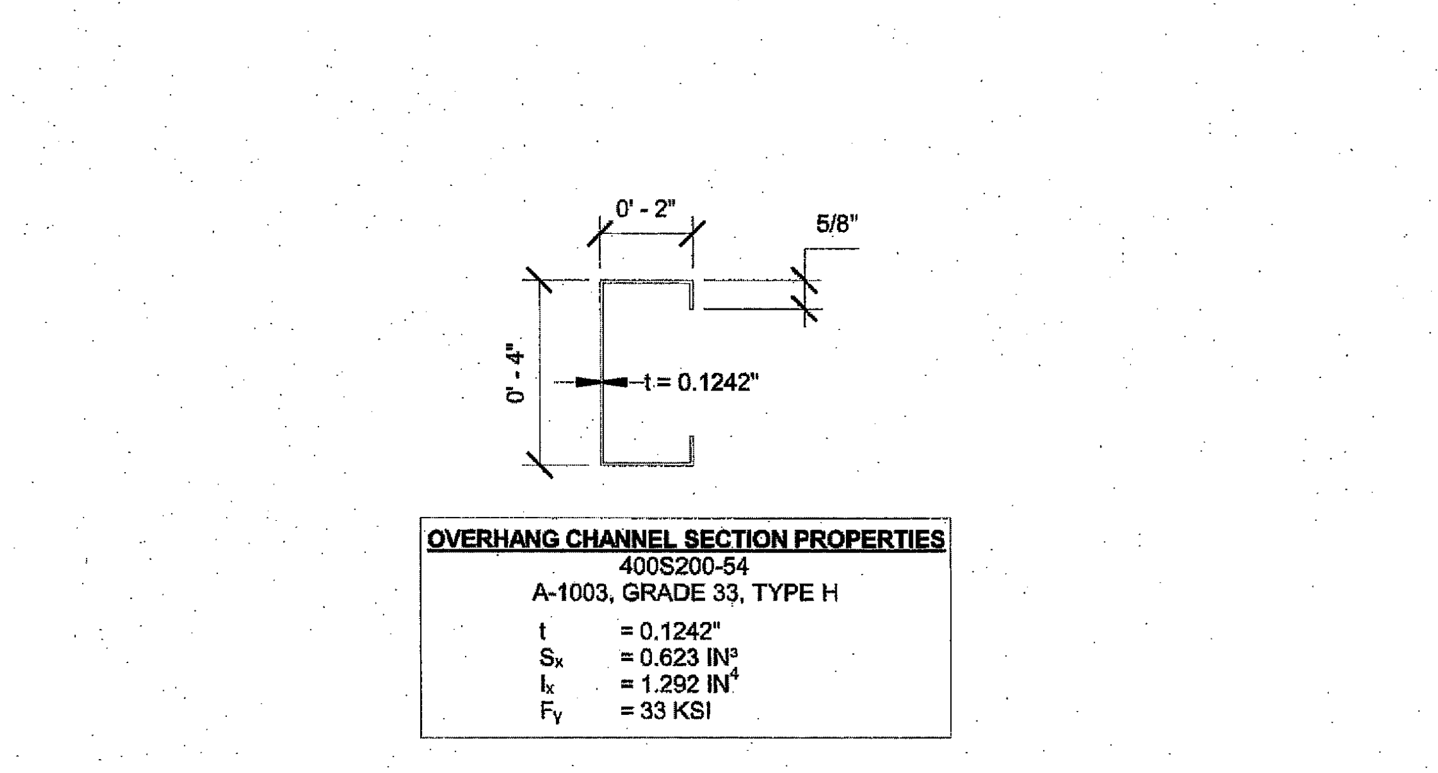
DATE
2016/03/02

SHEET NO.
S3.0.1
SHEET OF SHEETS

ADDENDUM

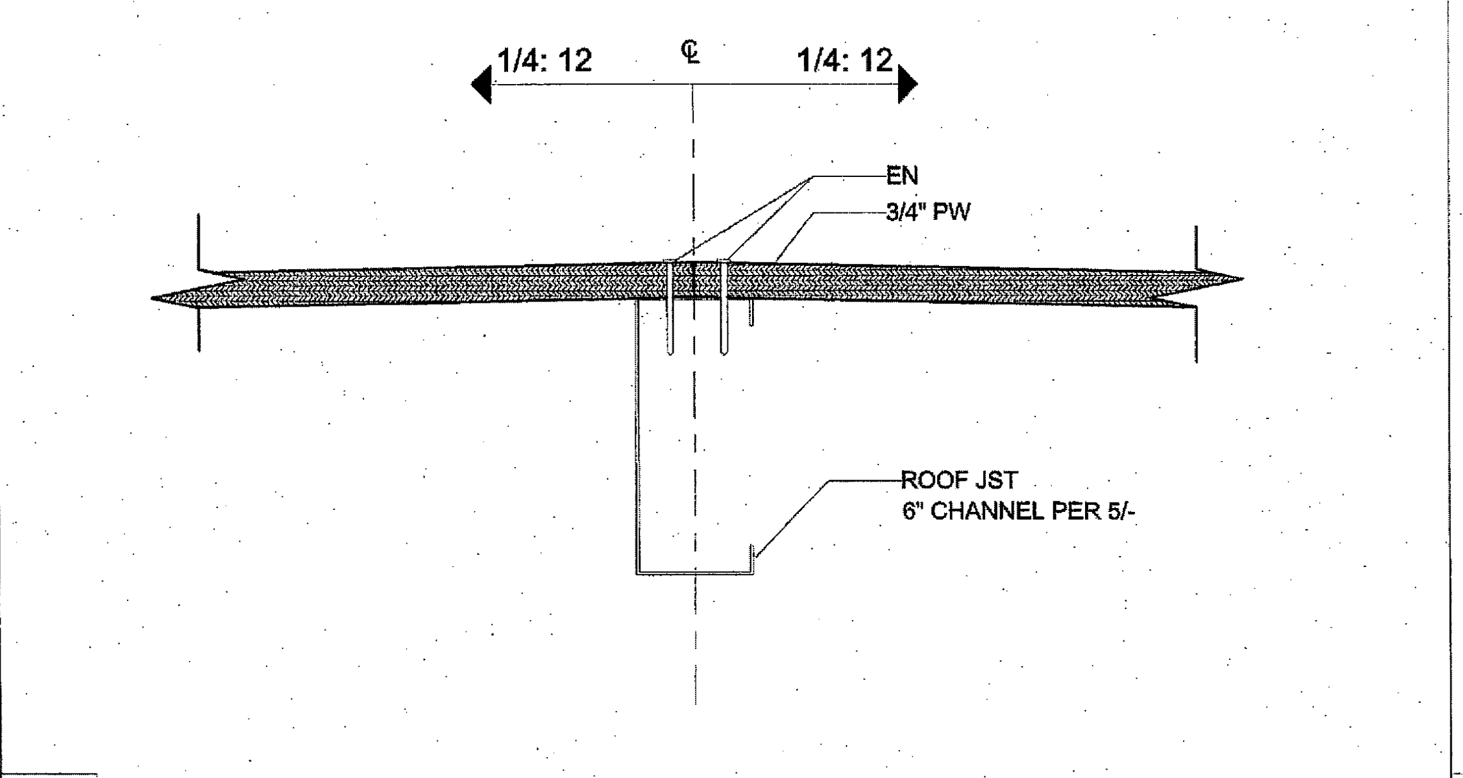

SKYLIGHT TUBE DOME
CURB AND FLASHING PER MNFR
ROOF FSTN'G
CURB AND FLASHING FSTN'D w/ (16)#10x2"
22" CLR OPN'G
21"Ø TUBE
ROOF JST
12GA WIRE PER ARCH
(4)3" LONG SUSPENSION EYE SCREW - (1) EA SIDE
(4) 5/8" SELF TAPPING SCREW
CLG PER ARCH
CLIP PER MNFR

20 *1" = 1'-0"* **SKYLIGHT TUBE**

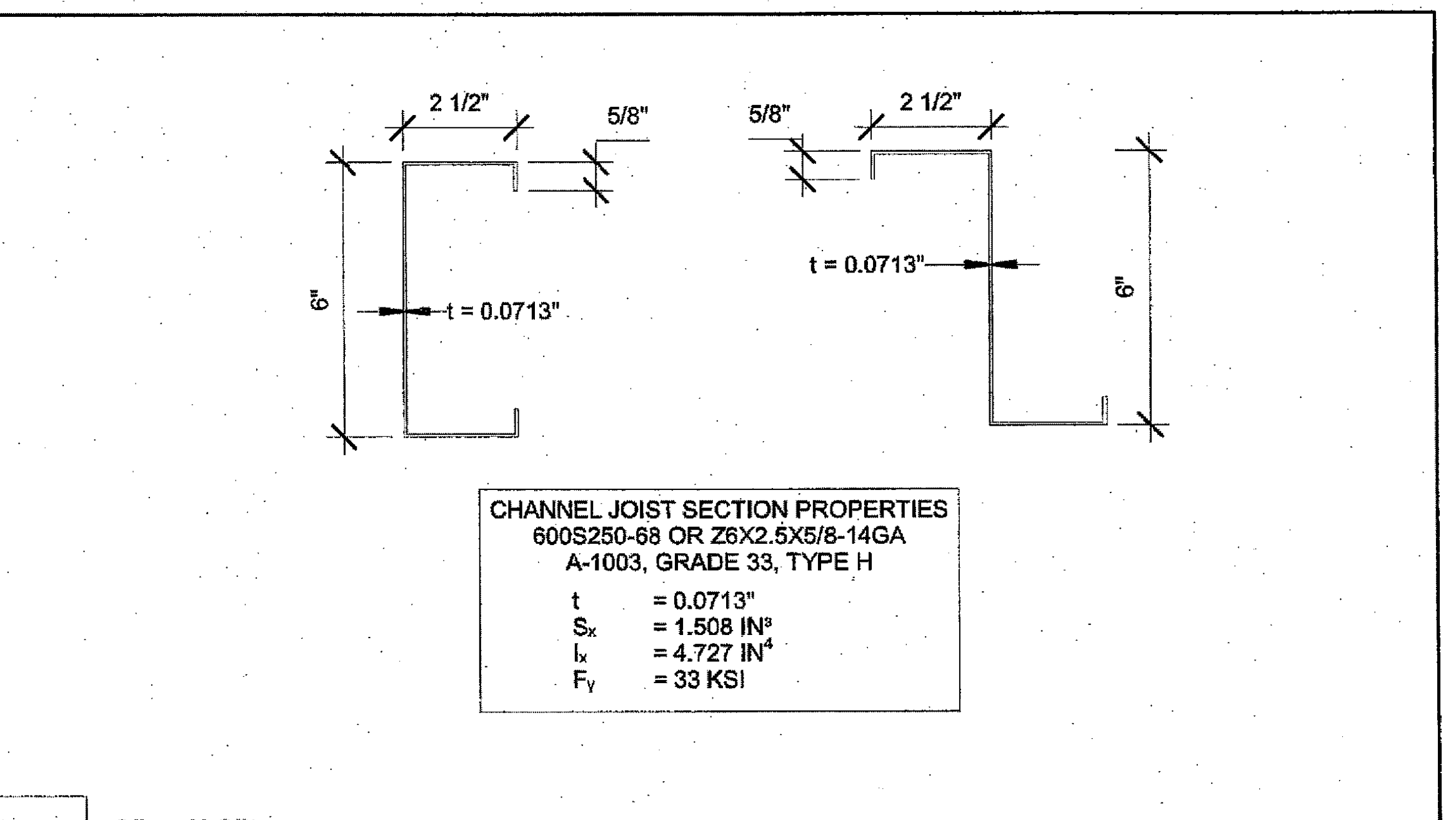


OVERHANG CHANNEL SECTION PROPERTIES	
400S200-54	
A-1003, GRADE 33, TYPE H	
t	= 0.1242"
S_x	= 0.623 IN³
I_x	= 1.292 IN⁴
F_y	= 33 KSI

15 *3" = 1'-0"* **Soffit Channel Section Properties**

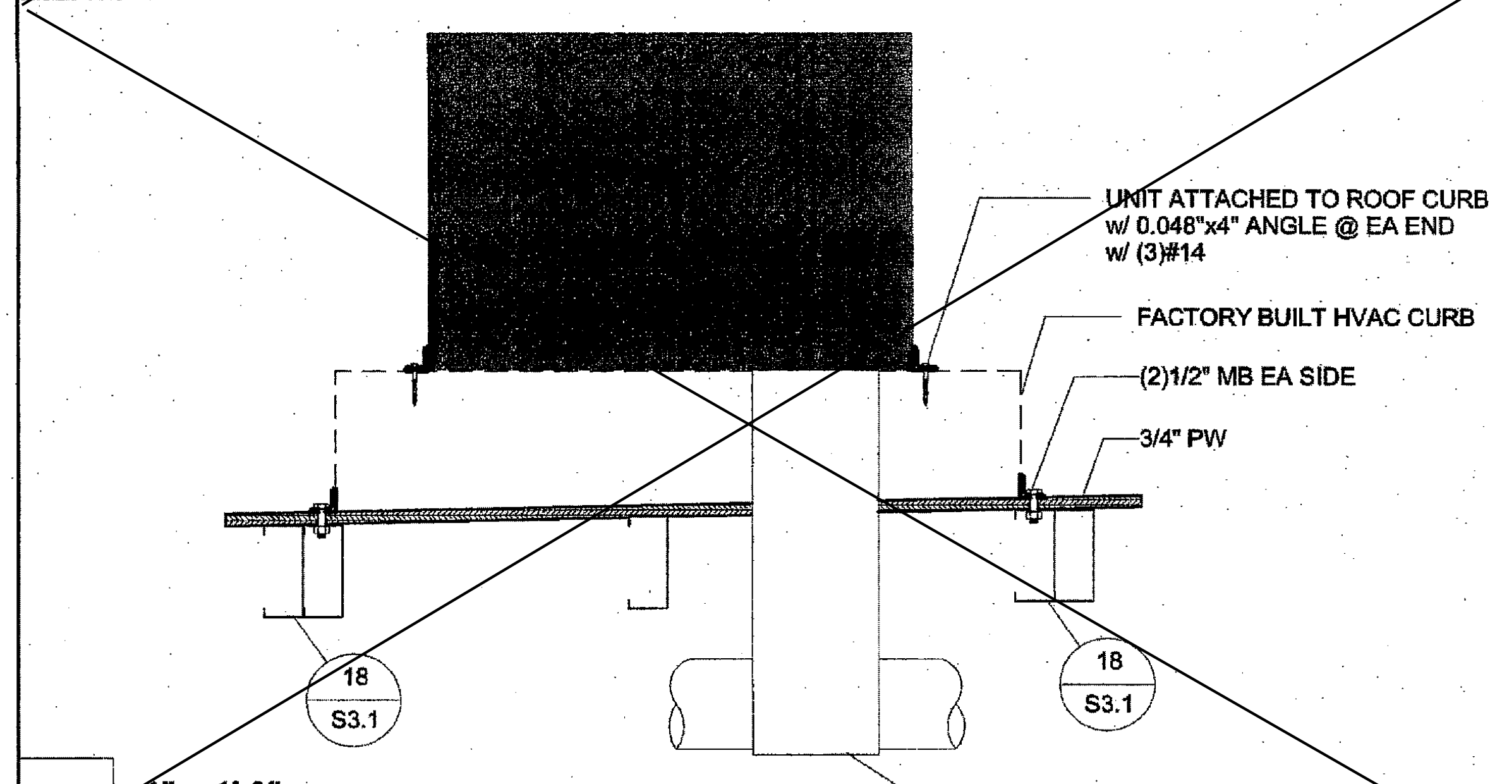


10 *3" = 1'-0"* **Roof @ Ridge**

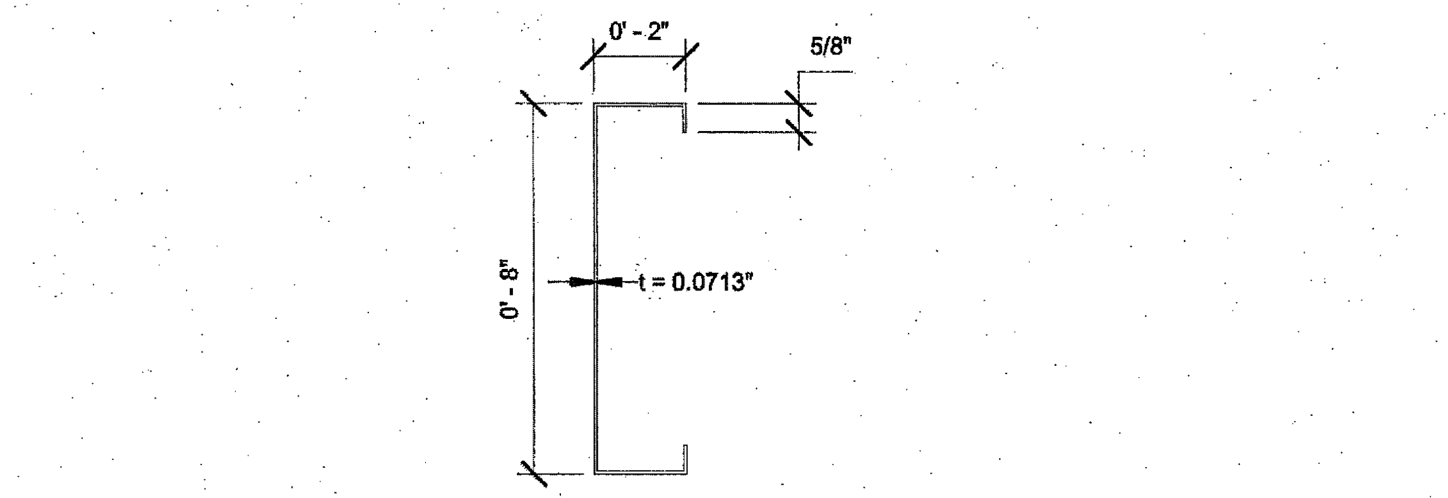


CHANNEL JOIST SECTION PROPERTIES	
600S250-68 OR Z6X2.5X5/8-14GA	
A-1003, GRADE 33, TYPE H	
t	= 0.0713"
S_x	= 1.508 IN³
I_x	= 4.727 IN⁴
F_y	= 33 KSI

5 *3" = 1'-0"* **Roof Channel Joist Section Properites**

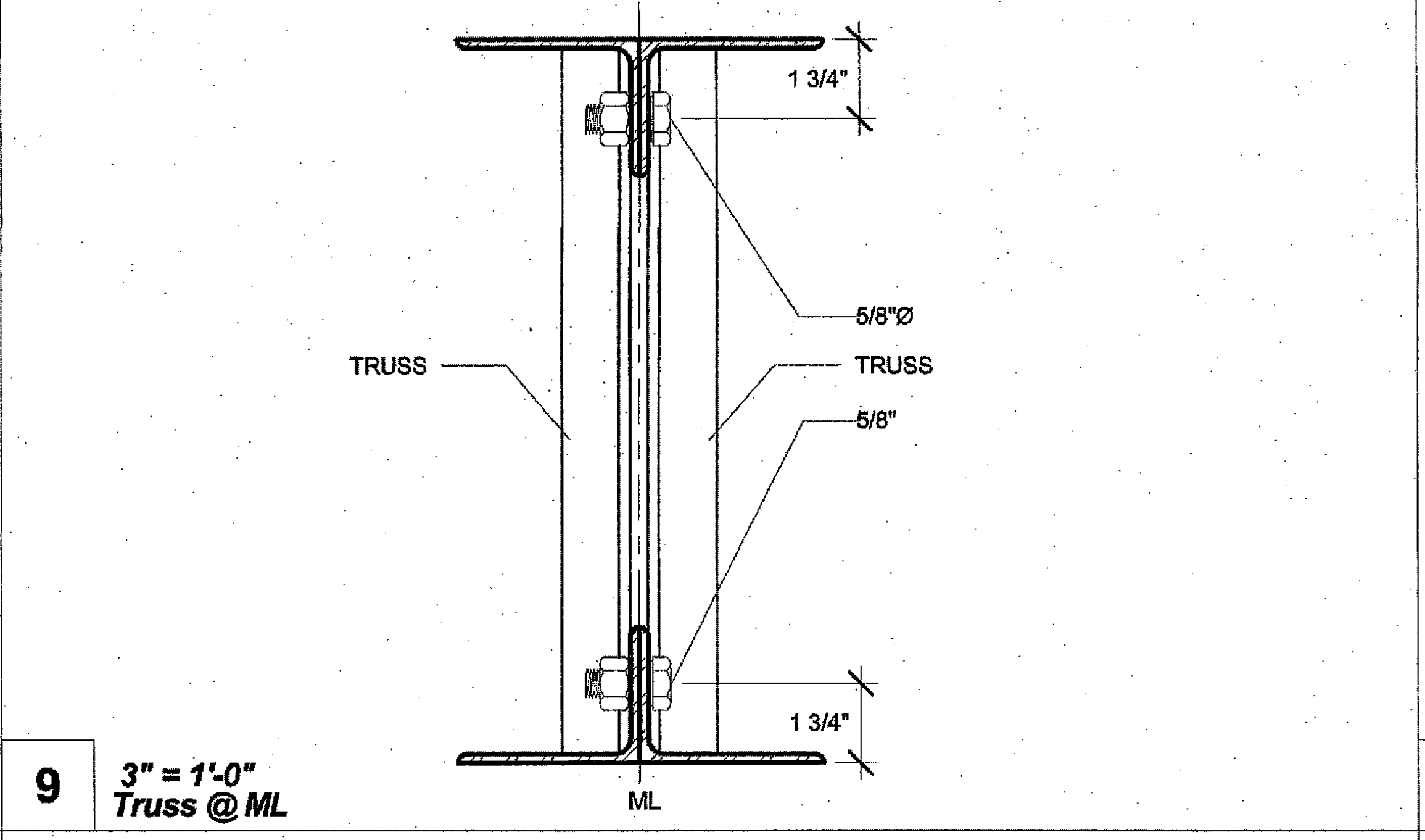


19 *1" = 1'-0"* **HVAC**

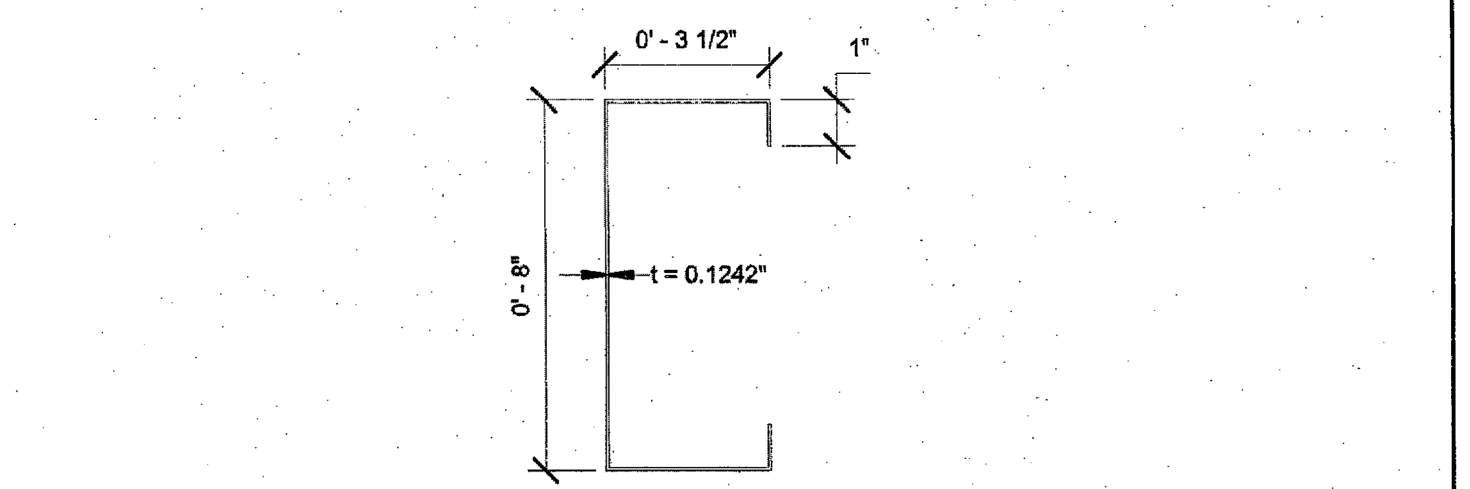


OVERHANG CHANNEL SECTION PROPERTIES	
800S200-68	
A-1003, GRADE 33, TYPE H	
t	= 0.0713"
S_x	= 2.035 IN³
I_x	= 8.140 IN⁴
F_y	= 33 KSI

14 *3" = 1'-0"* **Fascia Channel Section Properties**

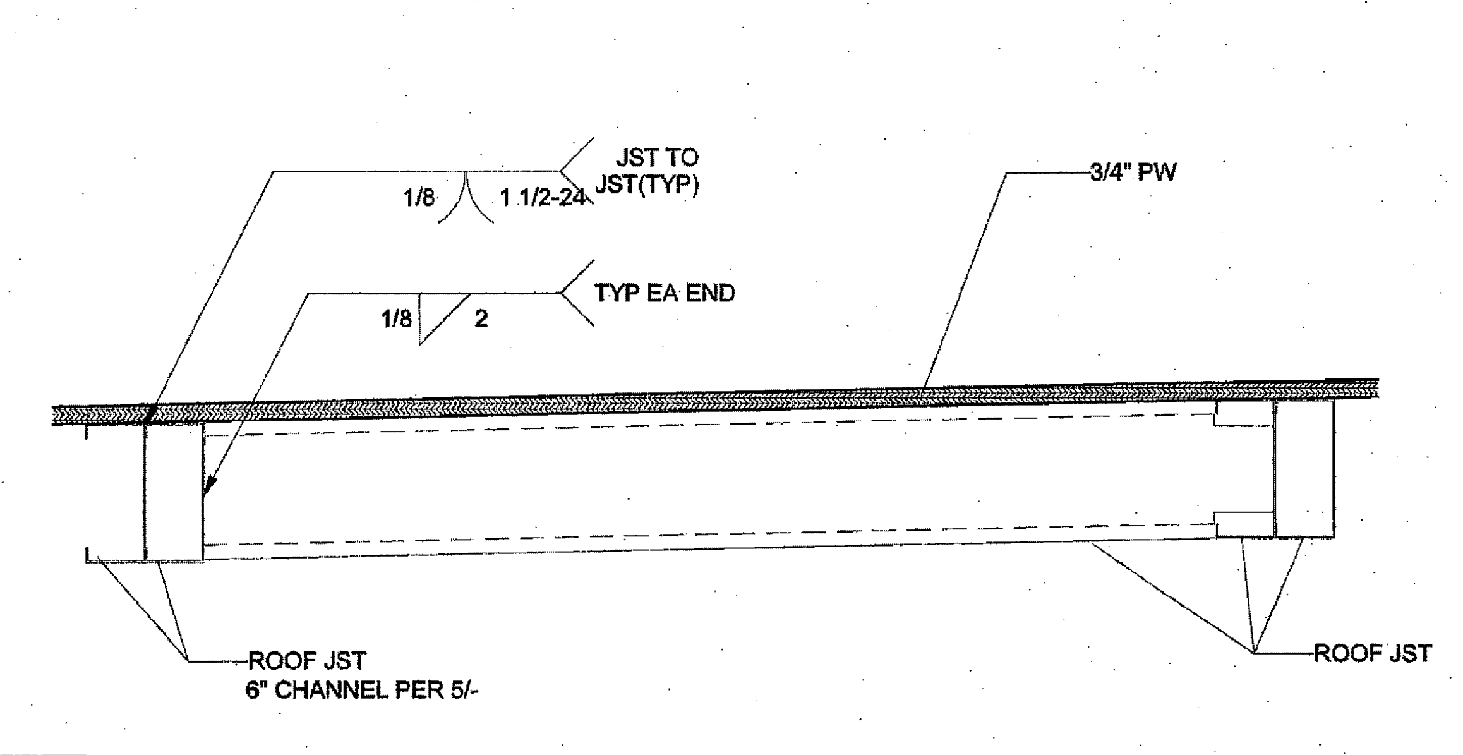


9 *3" = 1'-0"* **Truss @ ML**

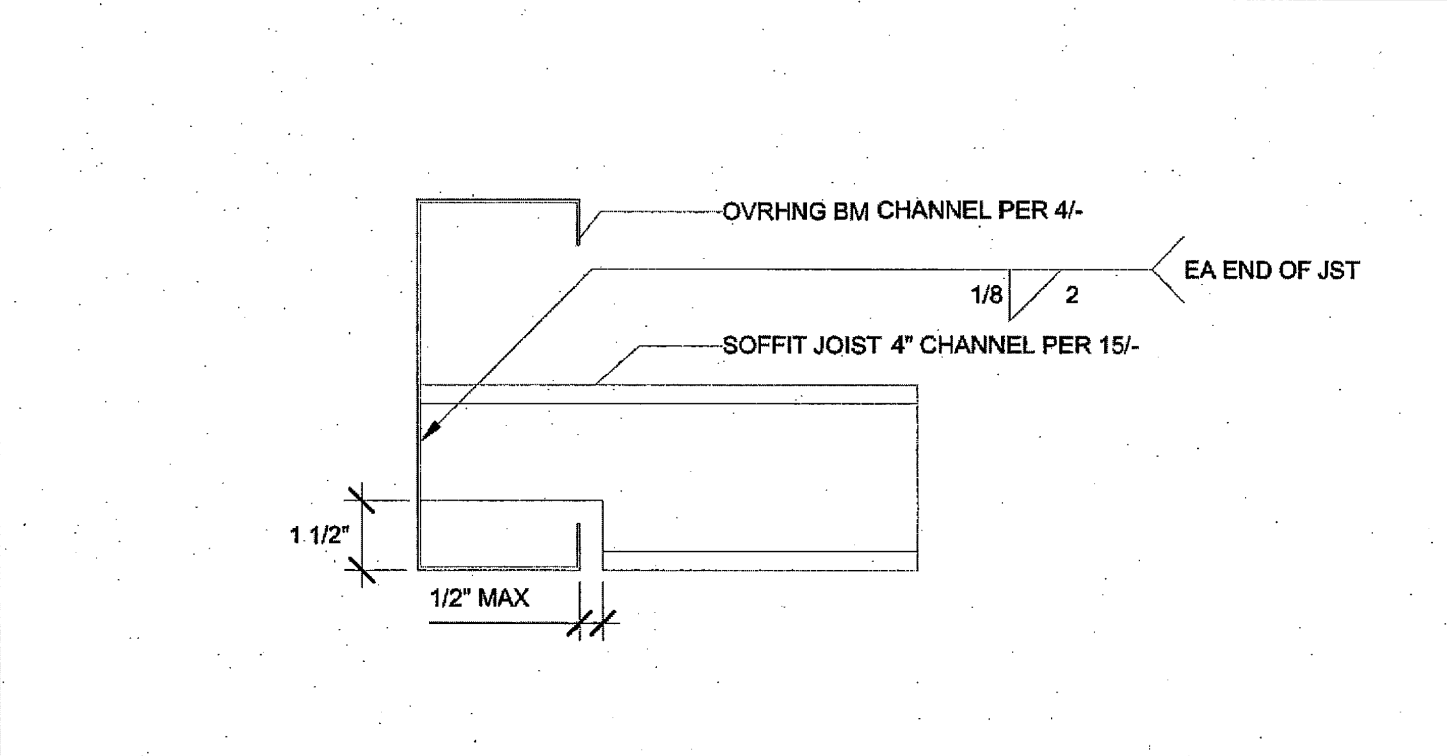


OVERHANG CHANNEL SECTION PROPERTIES	
800S350-118	
A-1003, GRADE 33, TYPE H	
t	= 0.1242"
S_x	= 5.1831 IN³
I_x	= 20.041 IN⁴
F_y	= 33 KSI

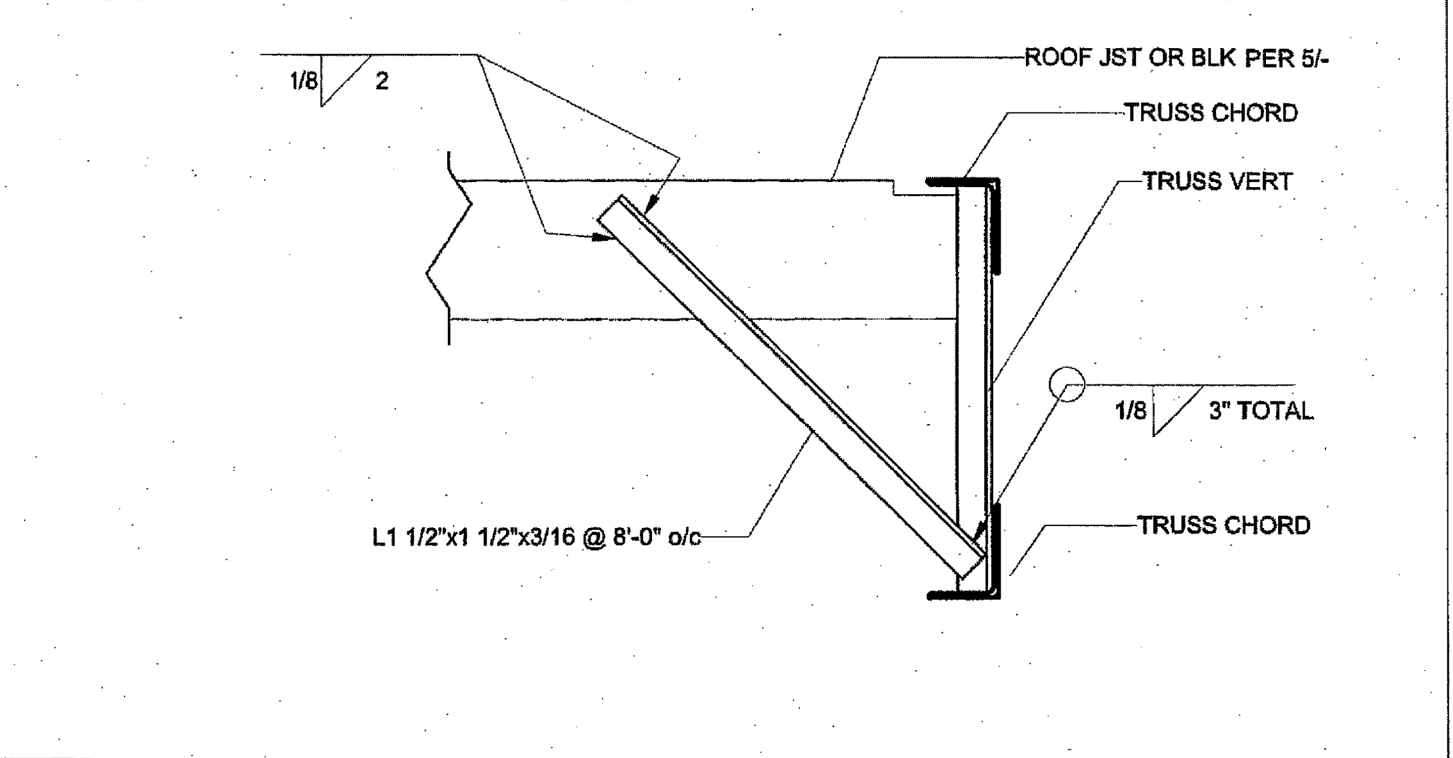
4 *3" = 1'-0"* **Overhang Beam Section Properites**



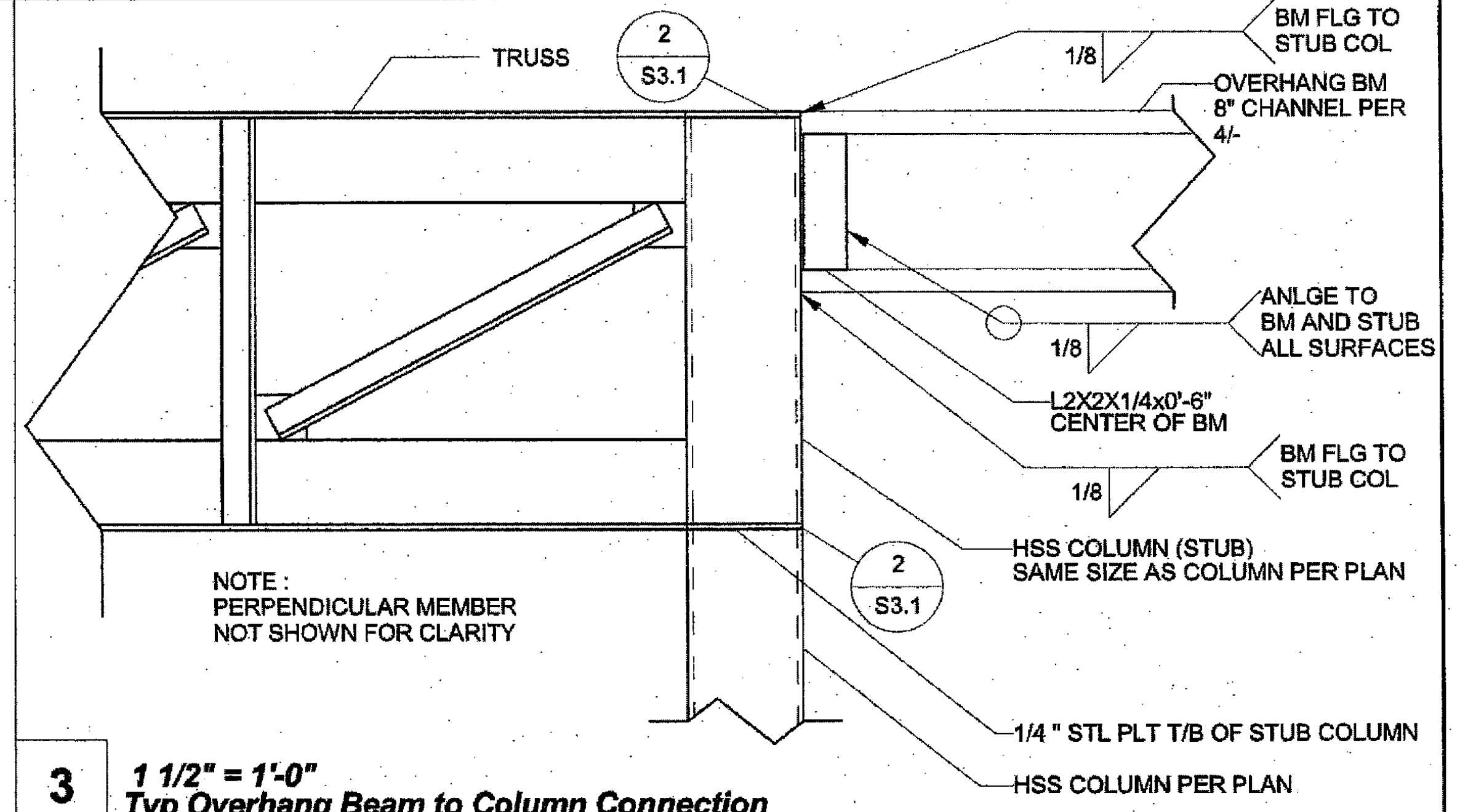
18 *1 1/2" = 1'-0"* **HVAC Frmg**



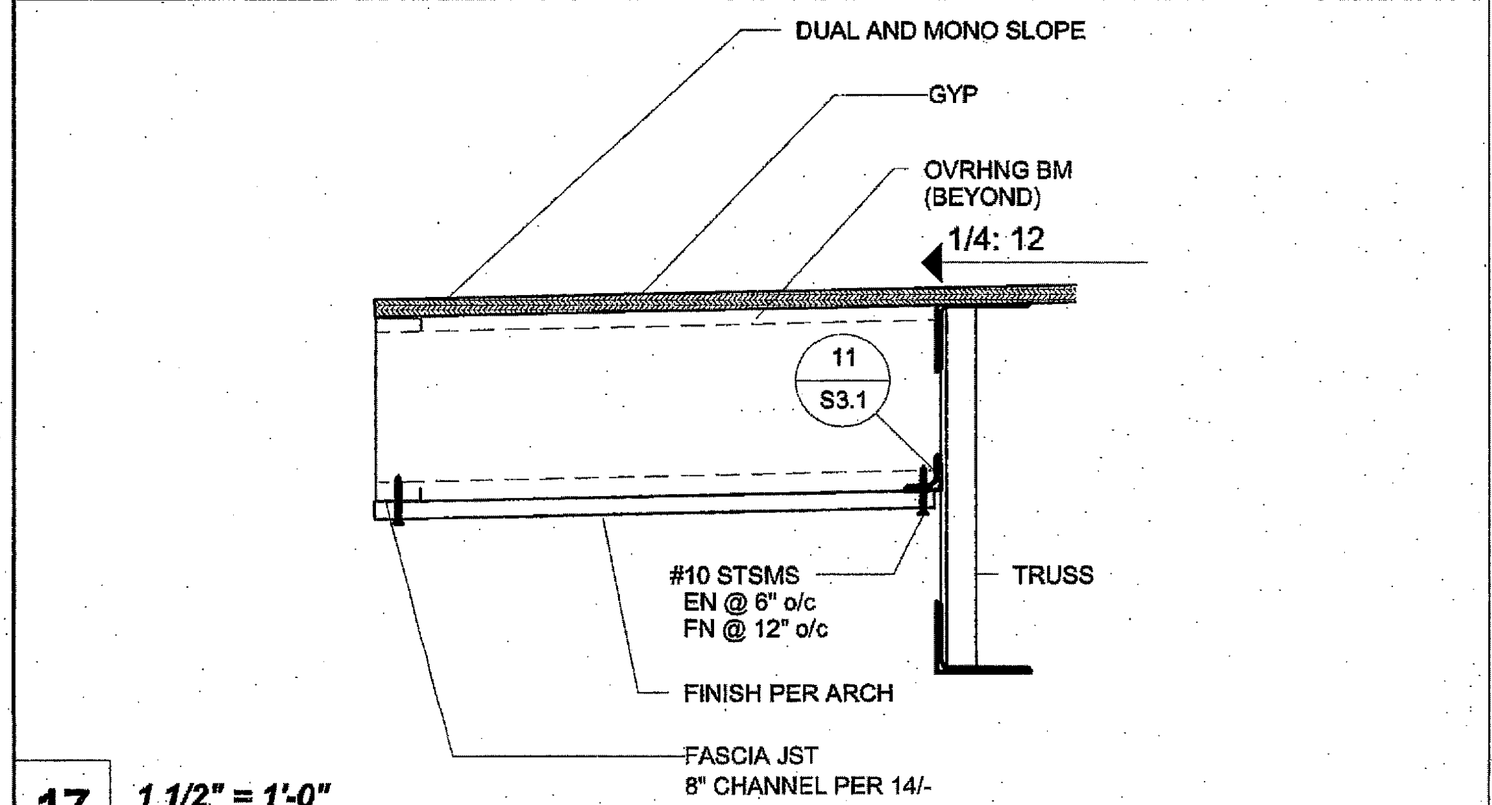
13 *3" = 1'-0"* **Typ Soffit Joist Connection**



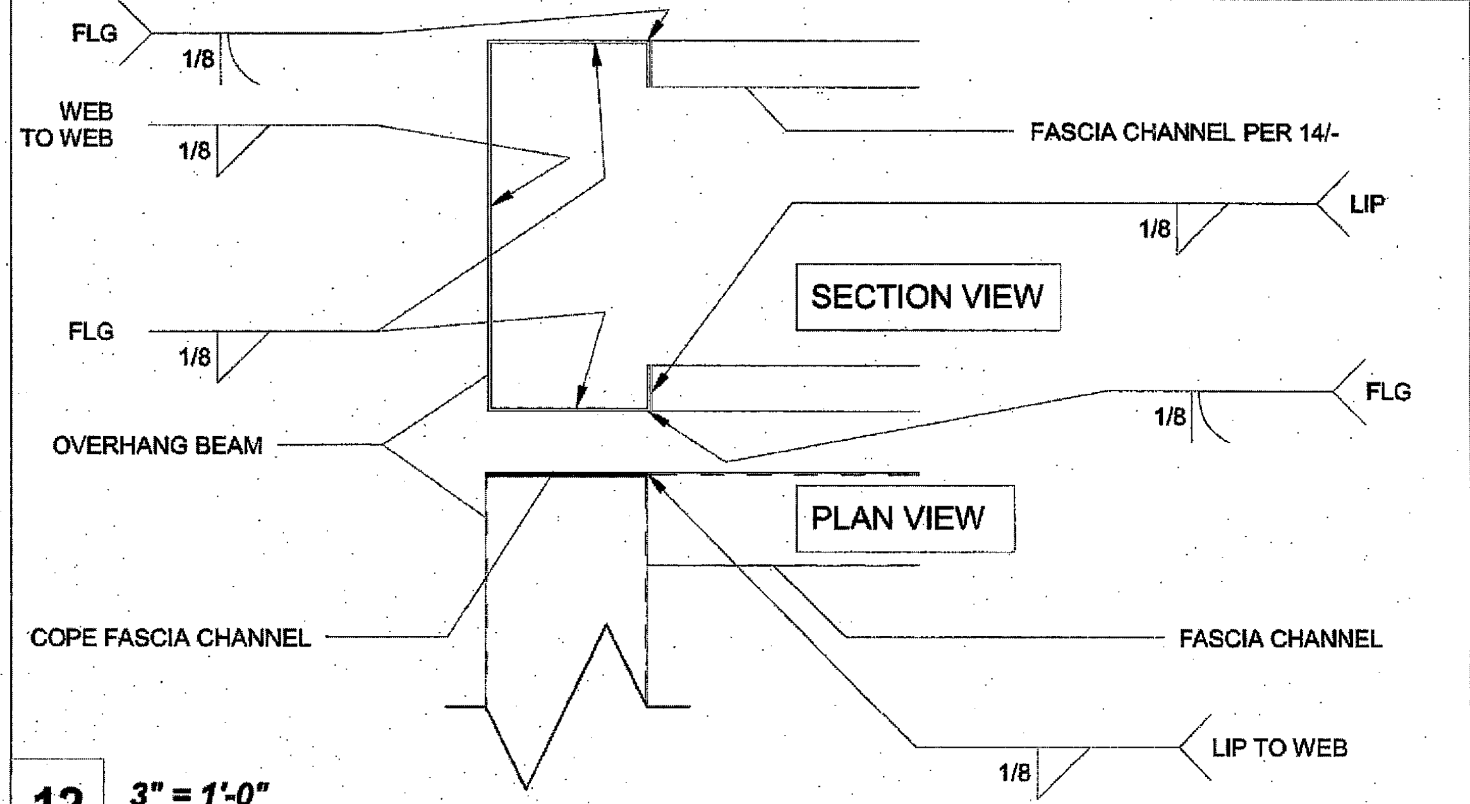
8 *1 1/2" = 1'-0"* **Typ Roof Jst Bracing**


TRUSS
2
S3.1
1/8
BM FLG TO STUB COL
OVERHANG BM 8" CHANNEL PER 4/-
ANLGE TO BM AND STUB ALL SURFACES
1/8
L2X2X1/4x0'-6" CENTER OF BM
BM FLG TO STUB COL
1/8
NOTE :
PERPENDICULAR MEMBER NOT SHOWN FOR CLARITY
2
S3.1
HSS COLUMN (STUB) SAME SIZE AS COLUMN PER PLAN
1/4 " STL PLT T/B OF STUB COLUMN
HSS COLUMN PER PLAN

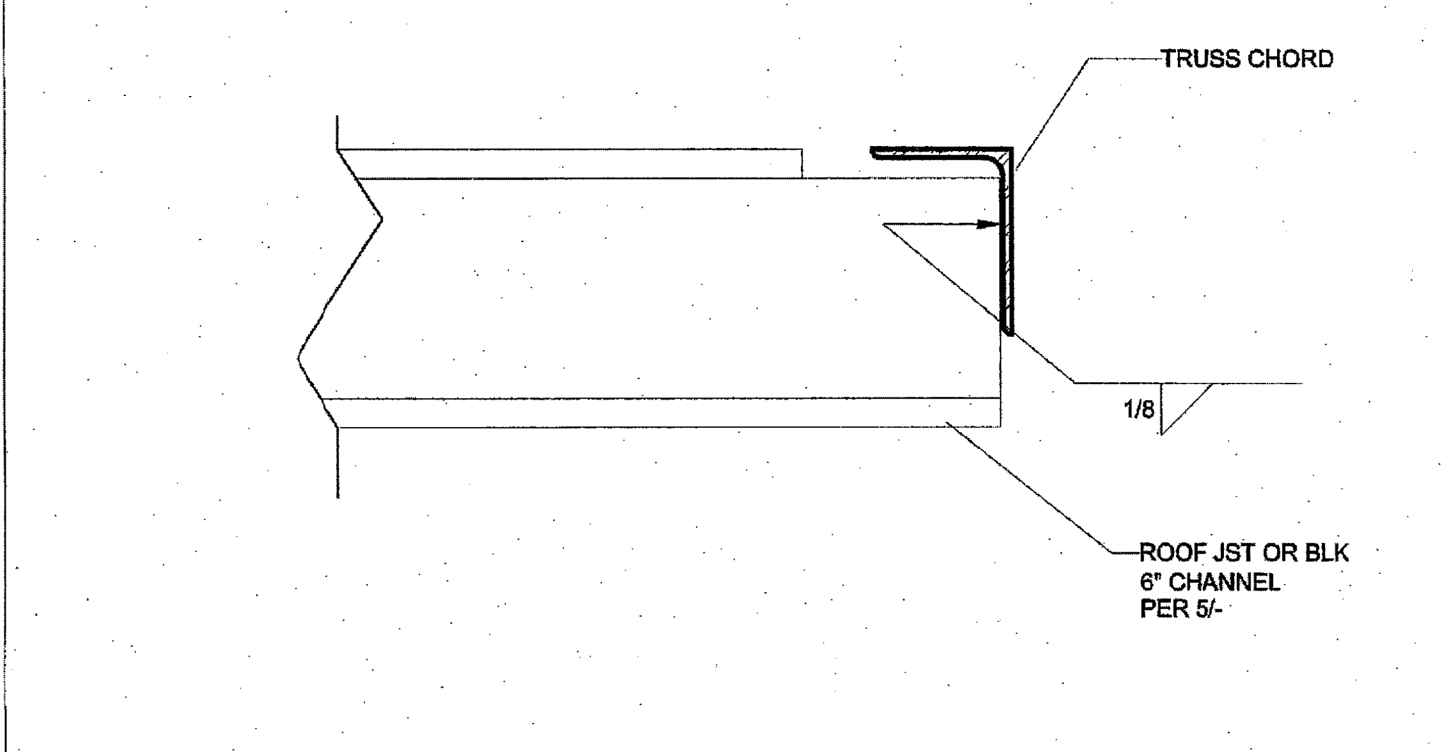
3 *1 1/2" = 1'-0"* **Typ Overhang Beam to Column Connection**



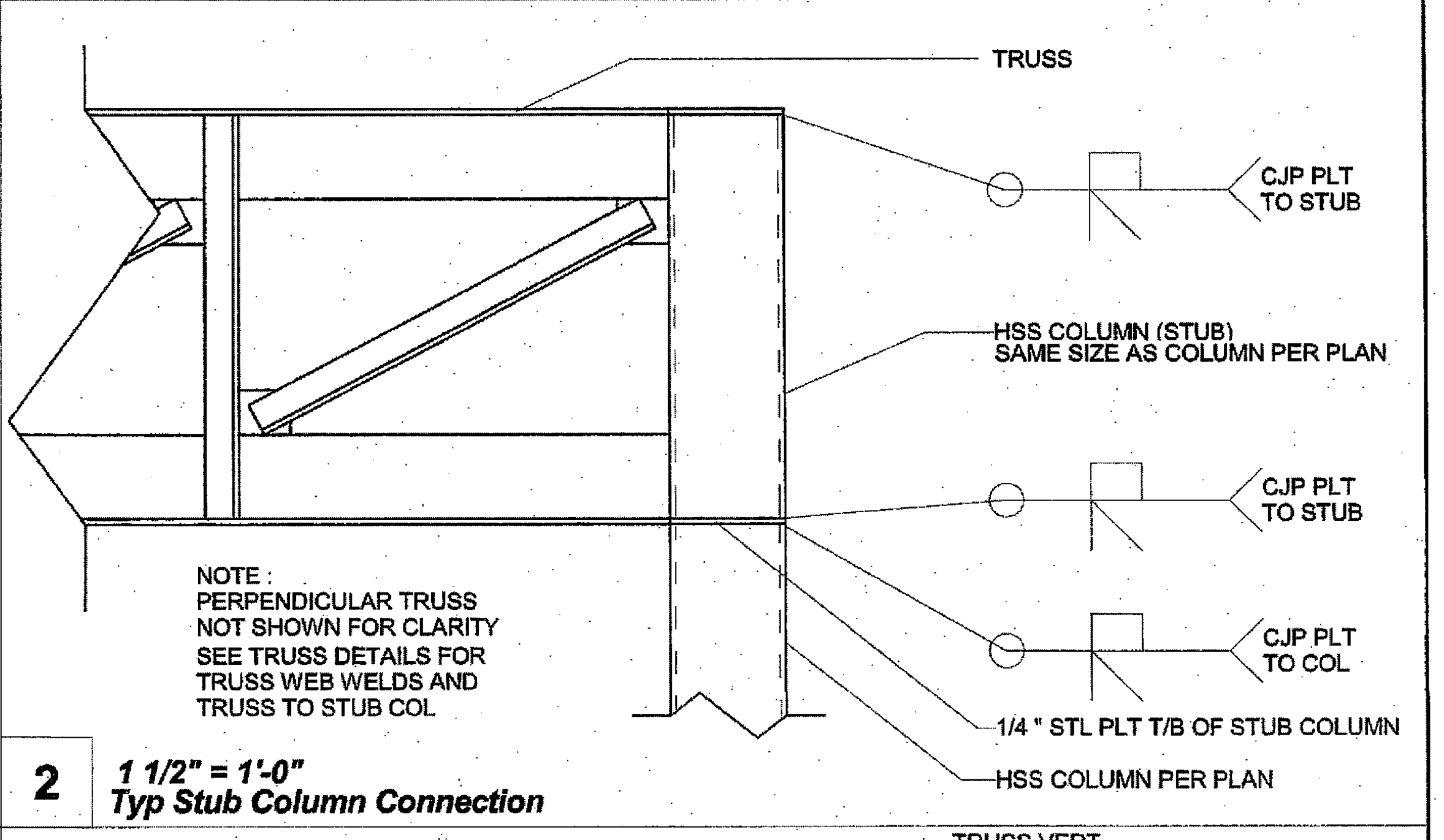
17 *1 1/2" = 1'-0"* **Overhang @ Rear Endwall**



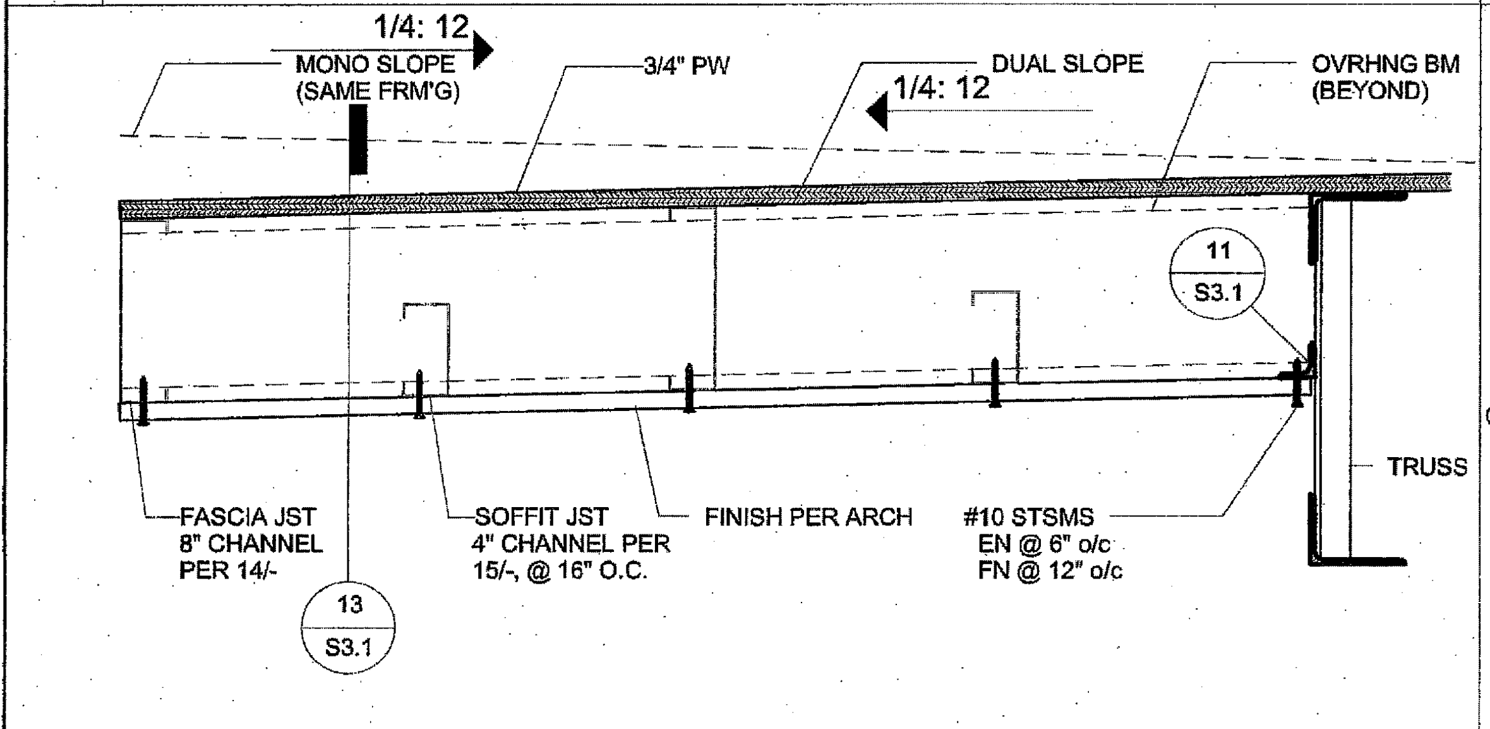
12 *3" = 1'-0"* **Fascia to Overhang Beam**



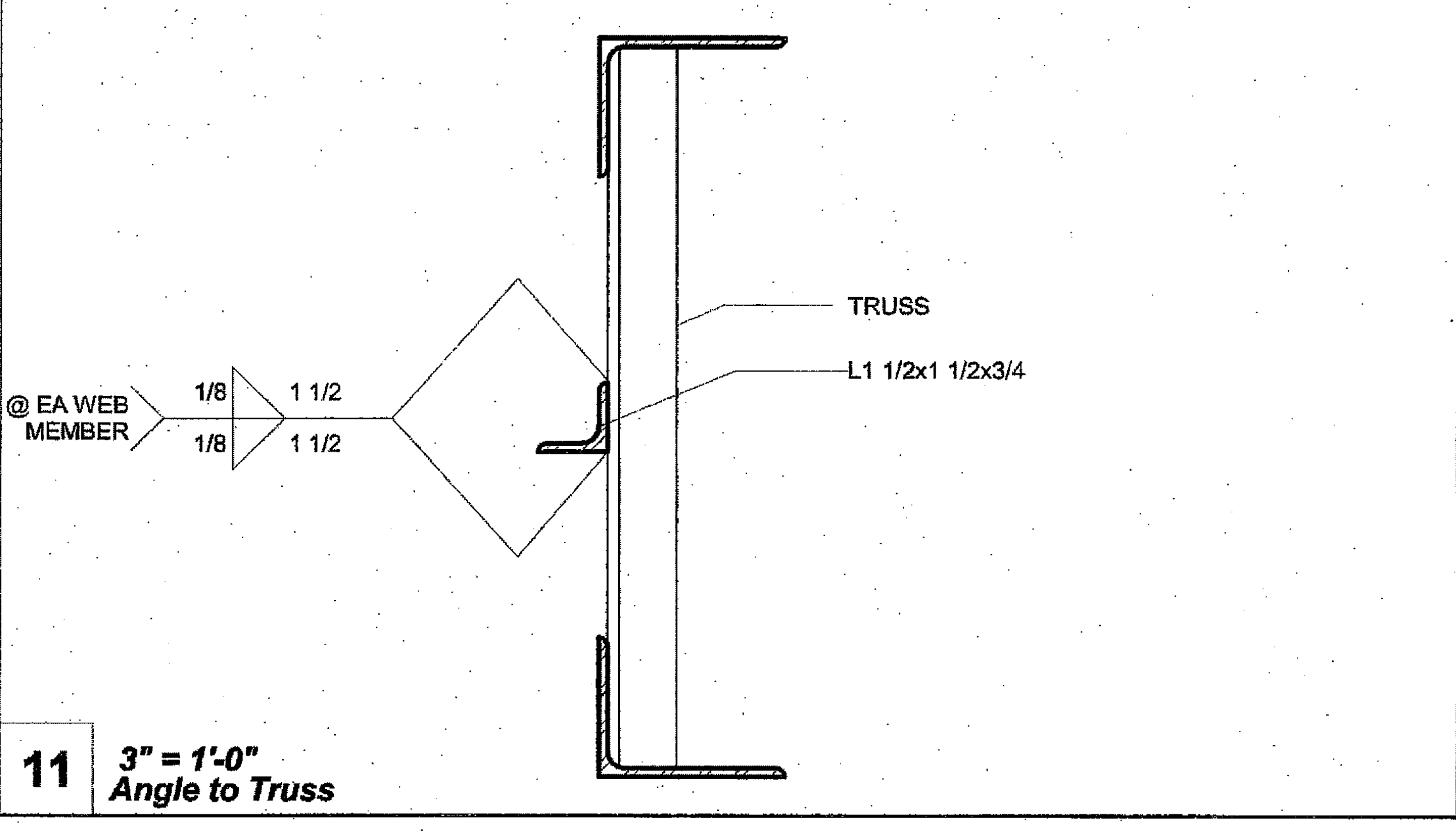
7 *3" = 1'-0"* **Typ Roof Joist Connection @ Truss Chord**


TRUSS
CJP PLT TO STUB
HSS COLUMN (STUB) SAME SIZE AS COLUMN PER PLAN
CJP PLT TO STUB
CJP PLT TO COL
NOTE :
PERPENDICULAR TRUSS NOT SHOWN FOR CLARITY
SEE TRUSS DETAILS FOR TRUSS WEB WELDS AND TRUSS TO STUB COL
1/4 " STL PLT T/B OF STUB COLUMN
HSS COLUMN PER PLAN

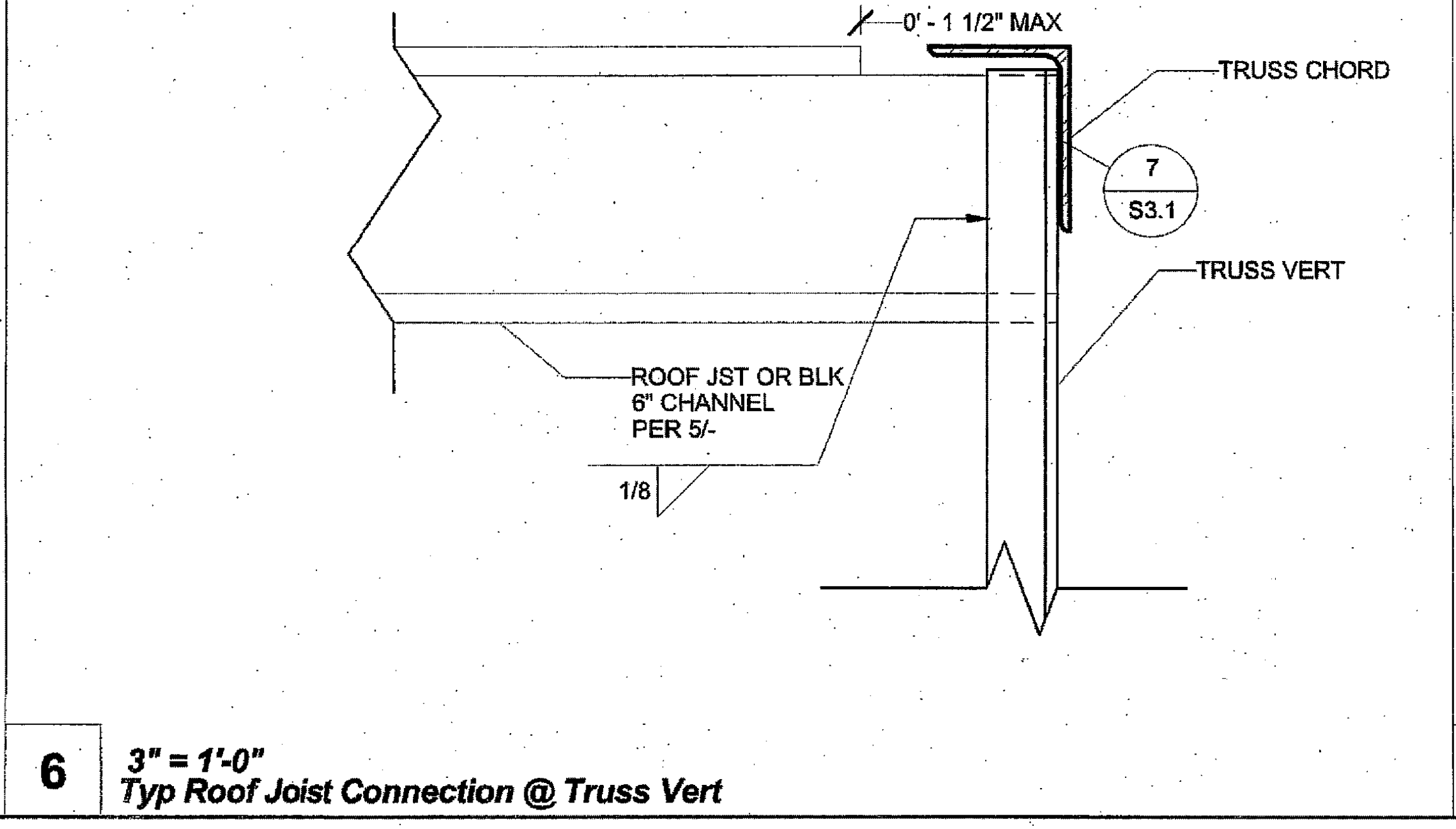
2 *1 1/2" = 1'-0"* **Typ Stub Column Connection**



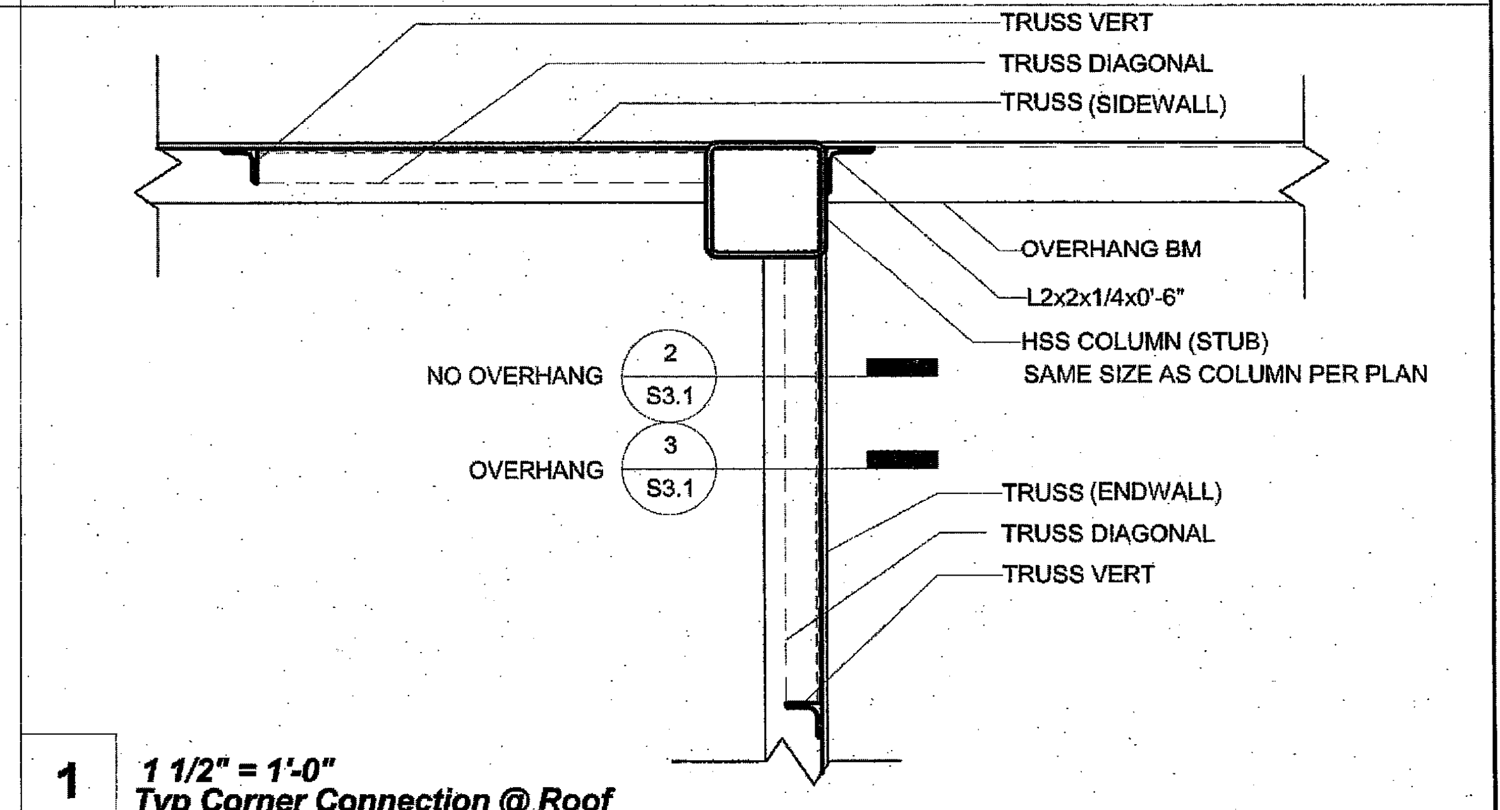
16 *1 1/2" = 1'-0"* **Overhang @ Front Endwall**



11 *3" = 1'-0"* **Angle to Truss**



6 *3" = 1'-0"* **Typ Roof Joist Connection @ Truss Vert**



1 *1 1/2" = 1'-0"* **Typ Corner Connection @ Roof**

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRI[illegible]
No. S3580
03/02/2016

CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE 2013 CBC A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
STRUCTURAL
DETAILS
(ROOF)

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

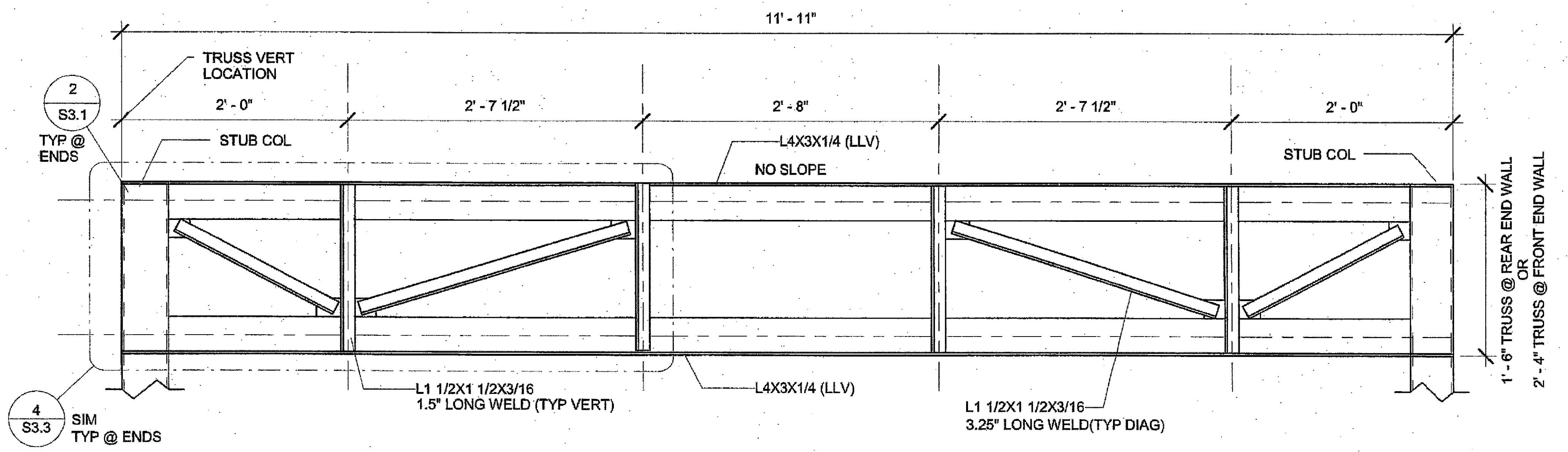
SHEET NO.
S3.1

SHEET OF SHEETS

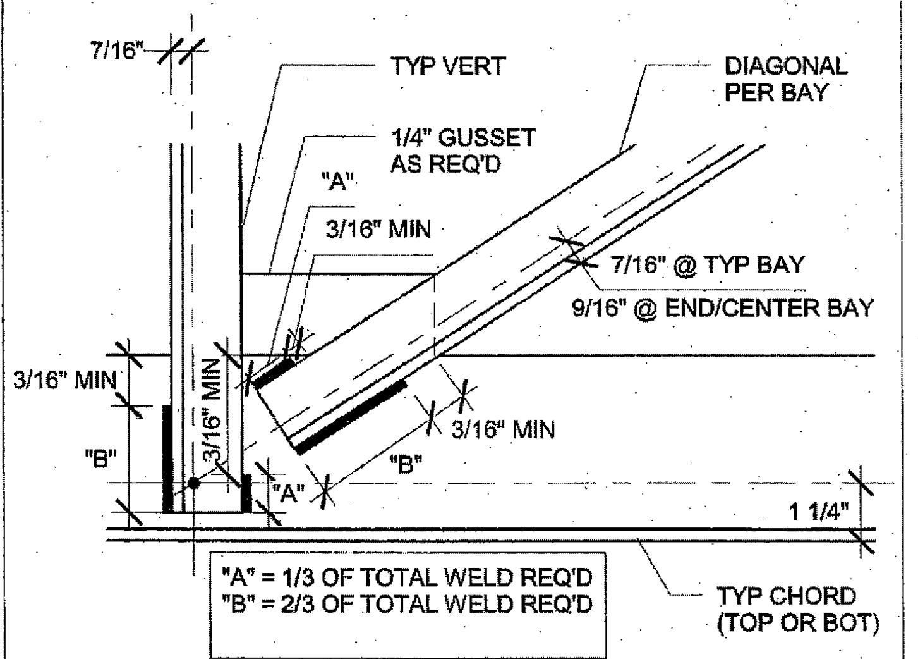
C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

3/3/2016 8:16:33 PM

ADDENDUM

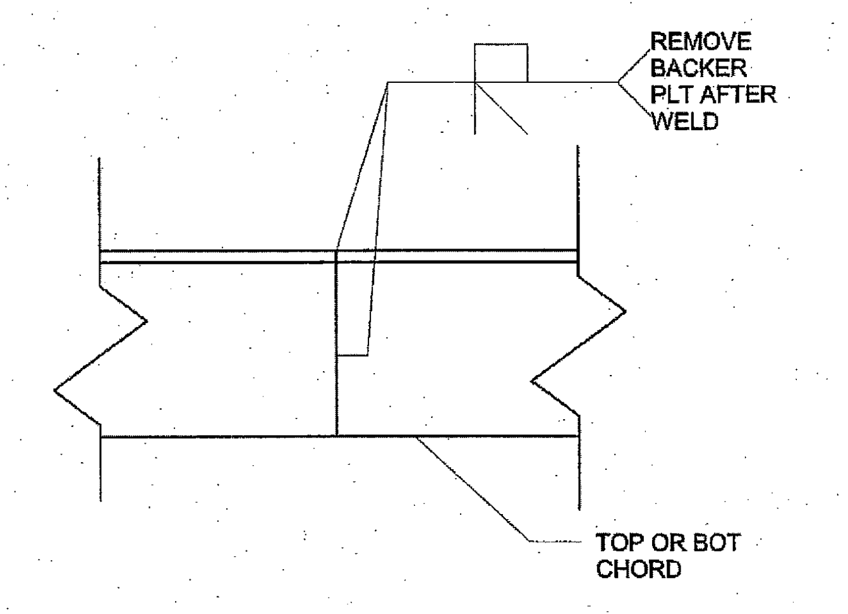


3 1" = 1'-0"
End Wall Truss

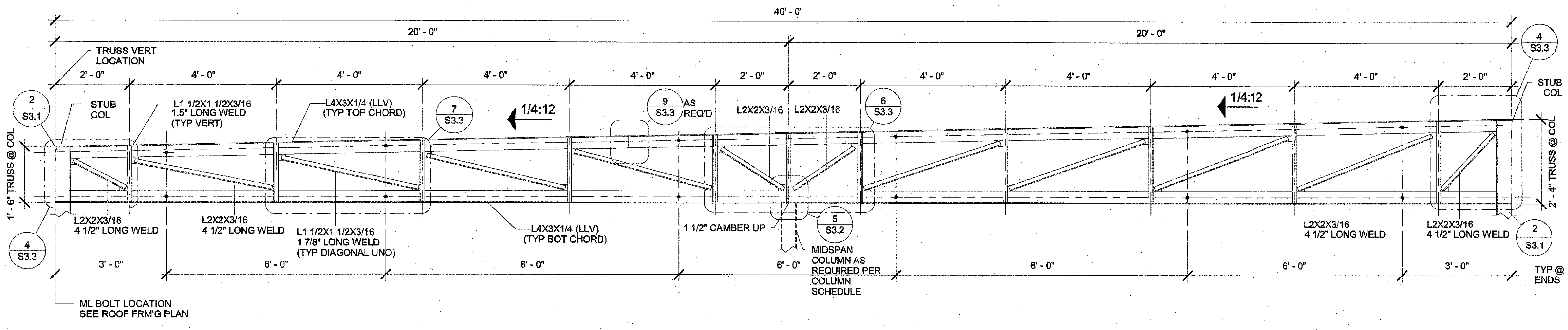


"A" = 1/3 OF TOTAL WELD REQ'D
"B" = 2/3 OF TOTAL WELD REQ'D

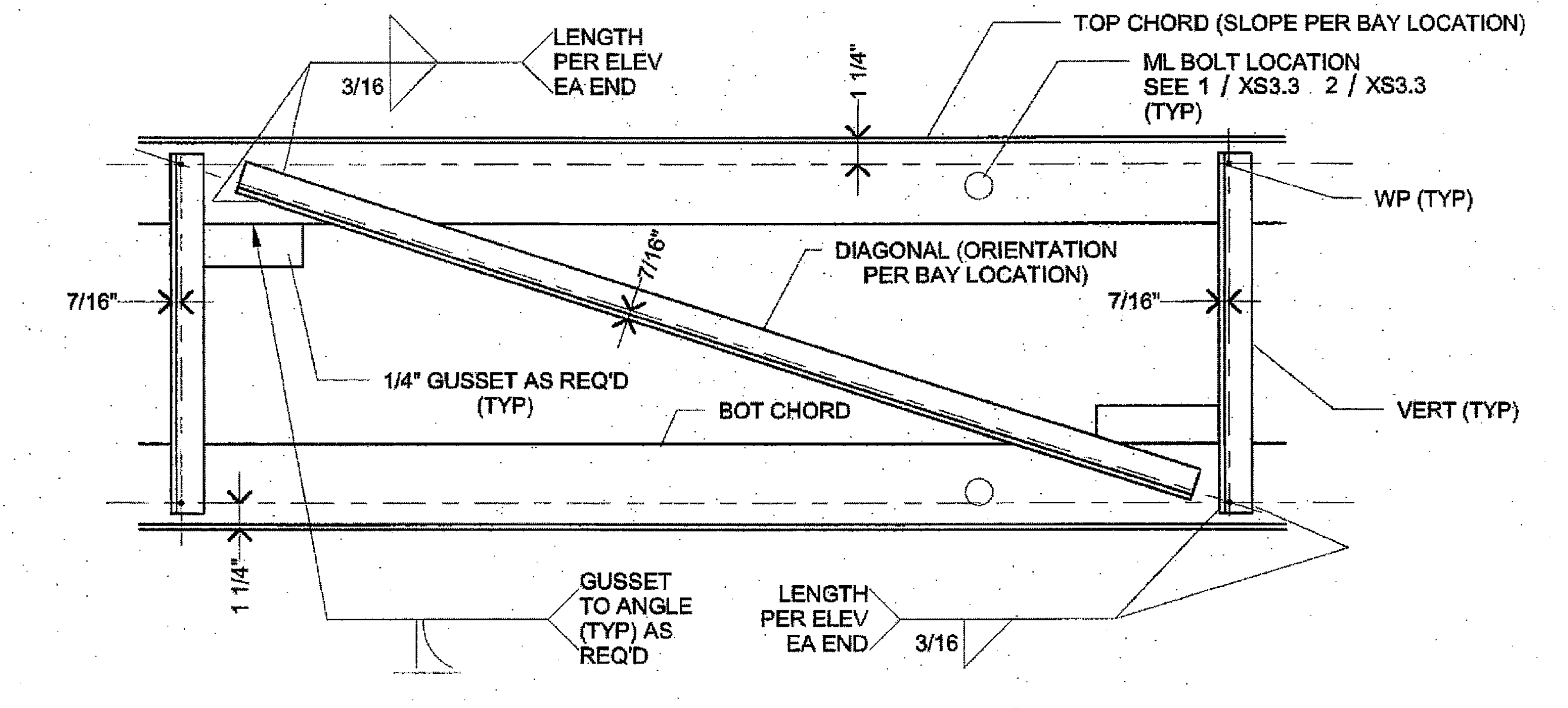
8 3" = 1'-0"
Typ Fillet Weld Lengths



9 3" = 1'-0"
Typ Truss Chord Splice

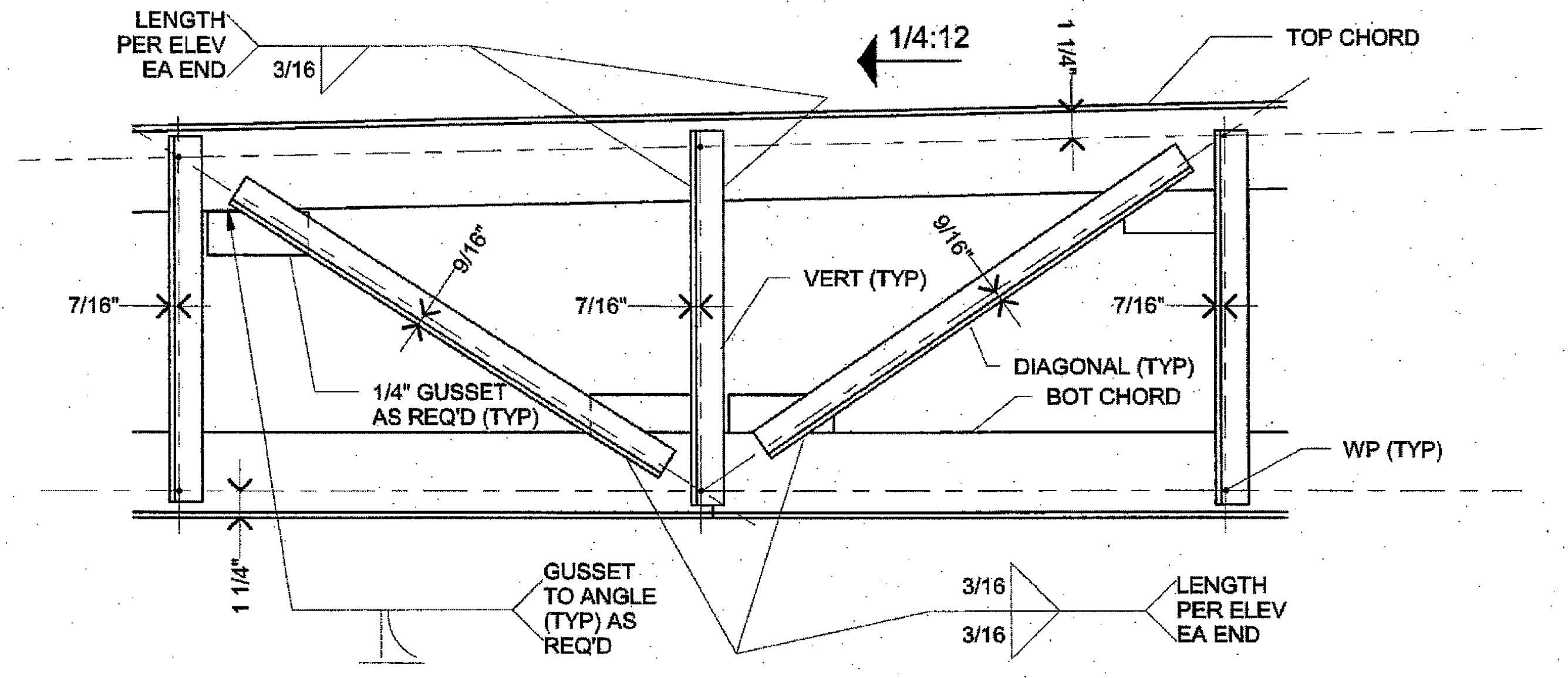


2 1/2" = 1'-0"
Mono Truss


LENGTH PER ELEV EA END
3/16
TOP CHORD (SLOPE PER BAY LOCATION)
1 1/4"
ML BOLT LOCATION SEE 1 / XS3.3 2 / XS3.3 (TYP)
WP (TYP)
7/16"
DIAGONAL (ORIENTATION PER BAY LOCATION)
7/16"
7/16"
1/4" GUSSET AS REQ'D (TYP)
BOT CHORD
VERT (TYP)
1 1/4"
GUSSET TO ANGLE (TYP) AS REQ'D
LENGTH PER ELEV EA END
3/16

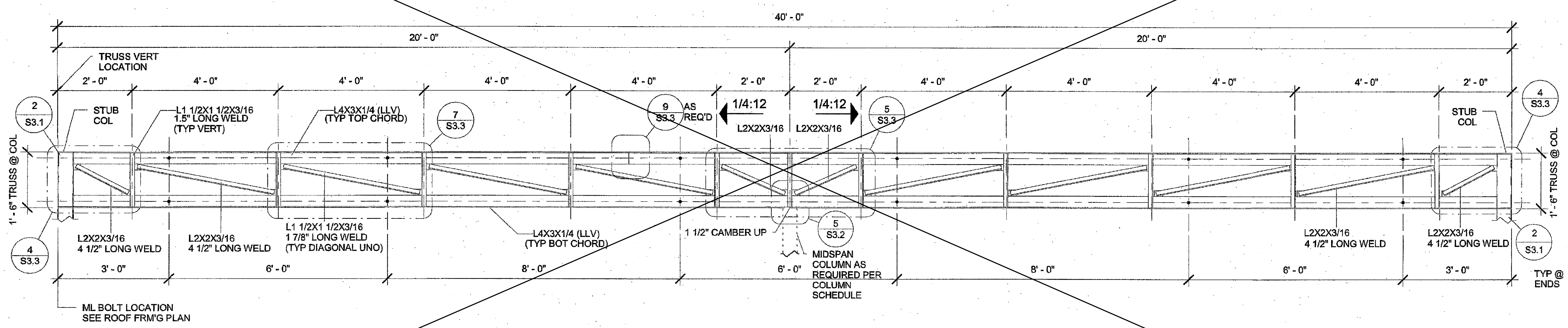
NOTE: SEE 8/S3.3 FOR ALL FILLET WELD LENGTH DISTRIBUTION

7 1 1/2" = 1'-0"
Typ Truss Bay

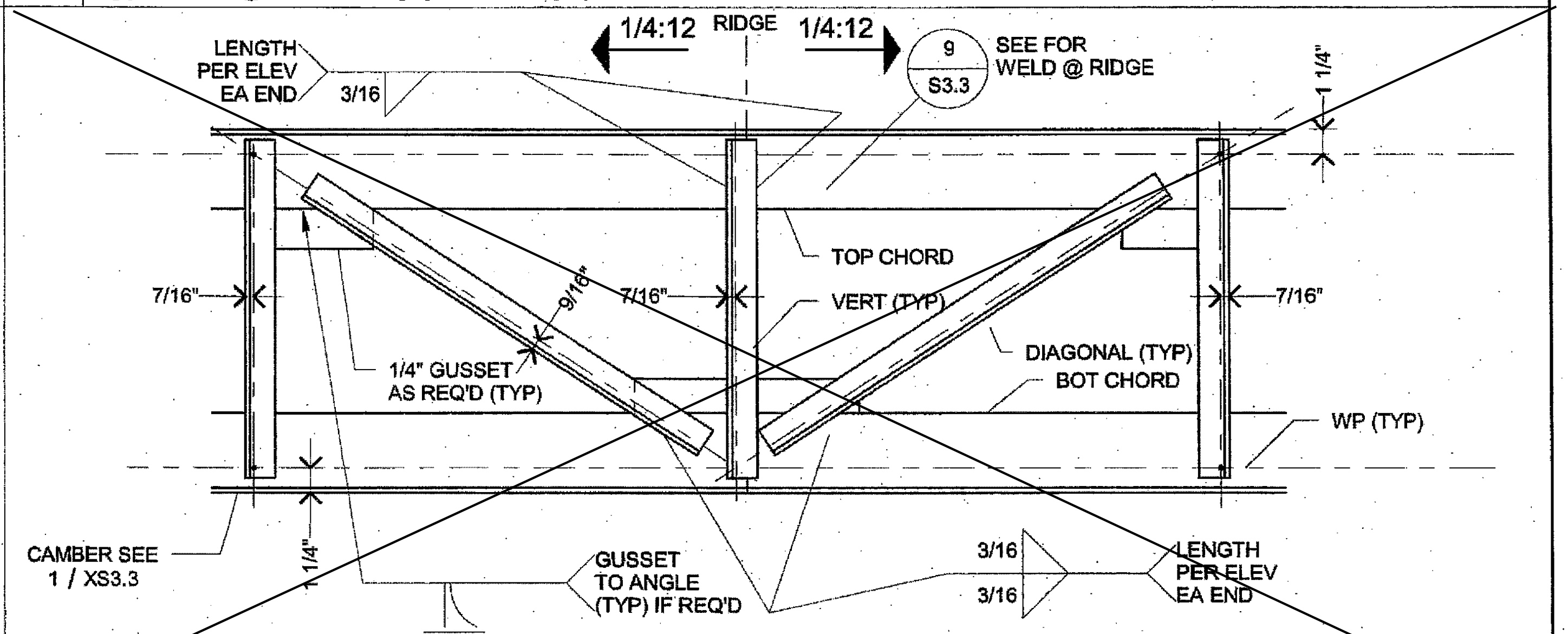


NOTE: SEE 8/S3.3 FOR ALL FILLET WELD LENGTH DISTRIBUTION

6 1 1/2" = 1'-0"
Typ Truss @ Center Bay (Mono Slope)

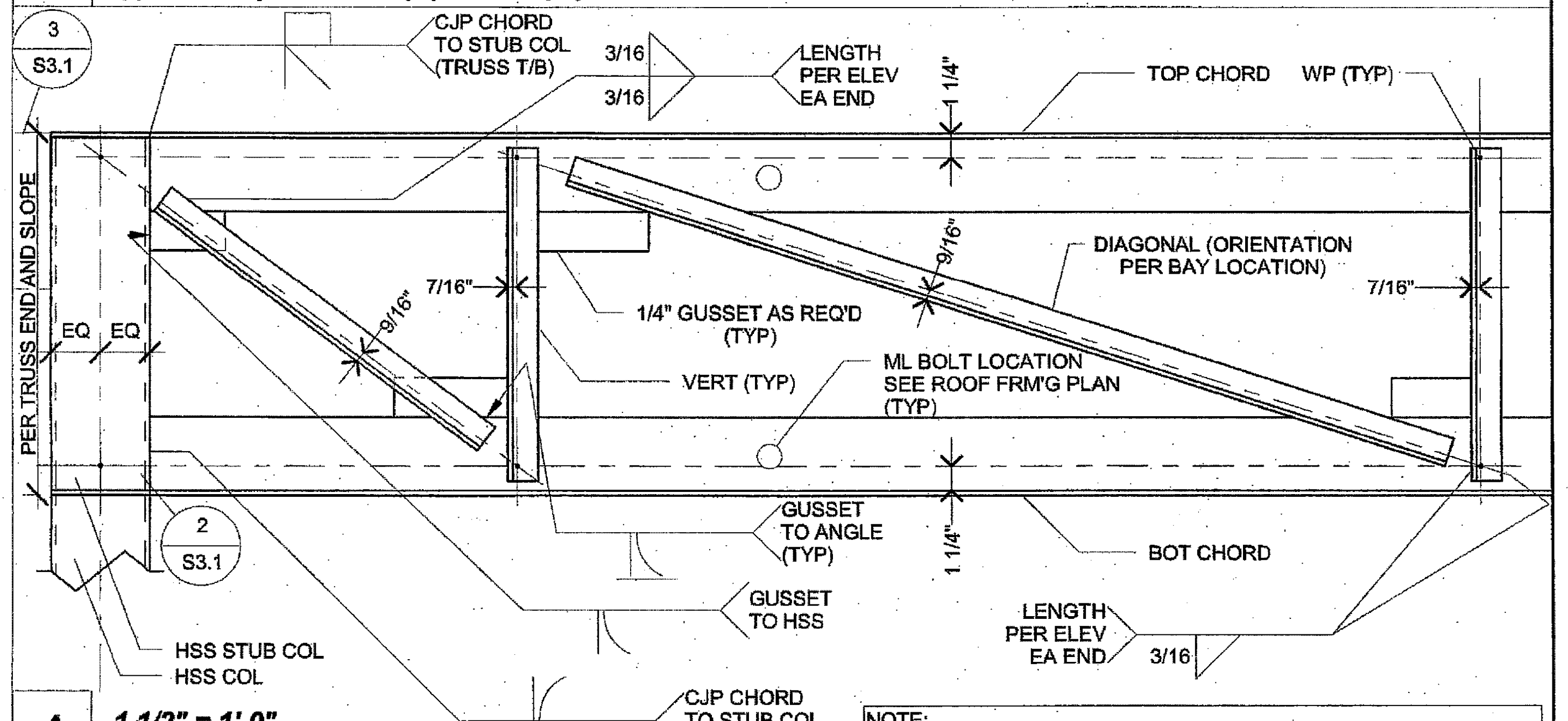


1 1/2" = 1'-0"
Dual Truss



NOTE: SEE 8/S3.3 FOR ALL FILLET WELD LENGTH DISTRIBUTION

5 1 1/2" = 1'-0"
Typ Truss @ Center Bay (Dual Slope)



NOTE: SEE 8/S3.3 FOR ALL FILLET WELD LENGTH DISTRIBUTION

4 1 1/2" = 1'-0"
yp End Bay to Stub Conn

3/16/2016 3:56:54 PM

C:\Users\Rick\Documents\15046 - Aries, 24x40 PC - MainFile_Rick.rvt

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3380
STRUCTURAL
STATE OF CALIFORNIA

Manny D. Frisch

03/02/2016

CLIENT

CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT APPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC SL FLS SS
DATE MAR 18 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule		
#	Description	Date

SHEET TITLE

ROOF PERIMETER TRUSS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

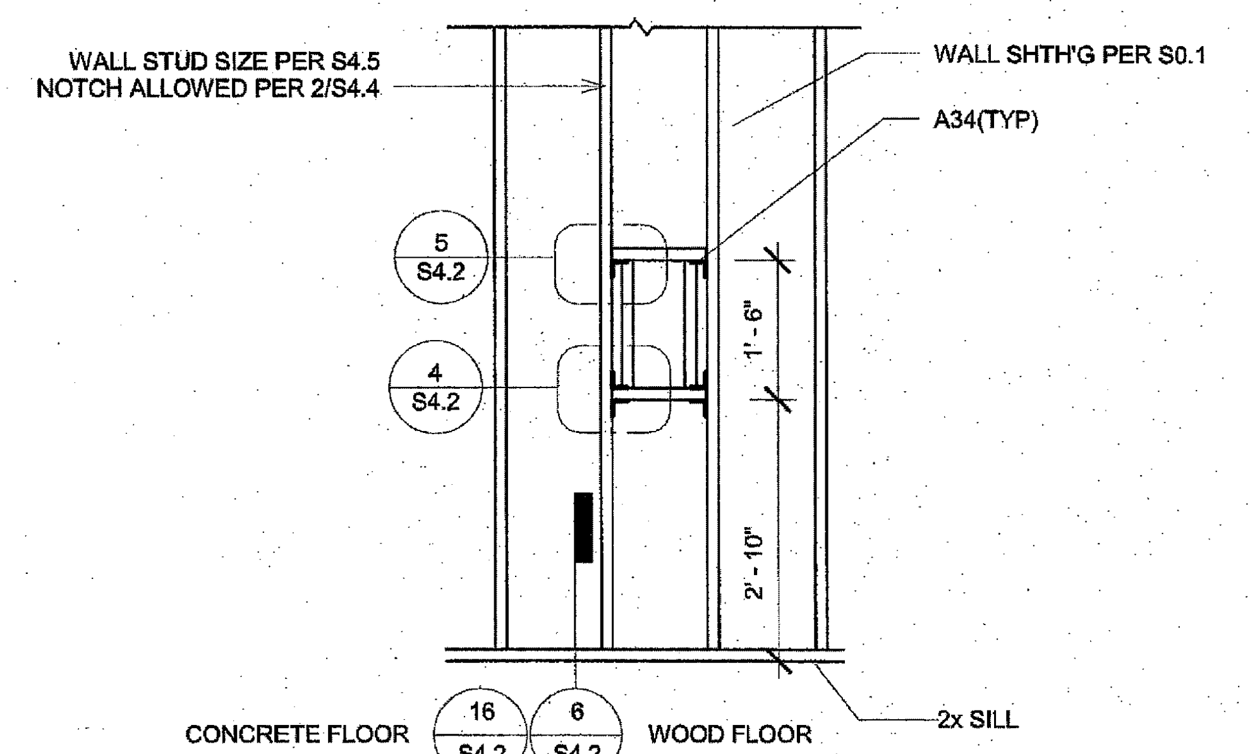
CHECKED BY
JA/RT

DATE
2016/03/02

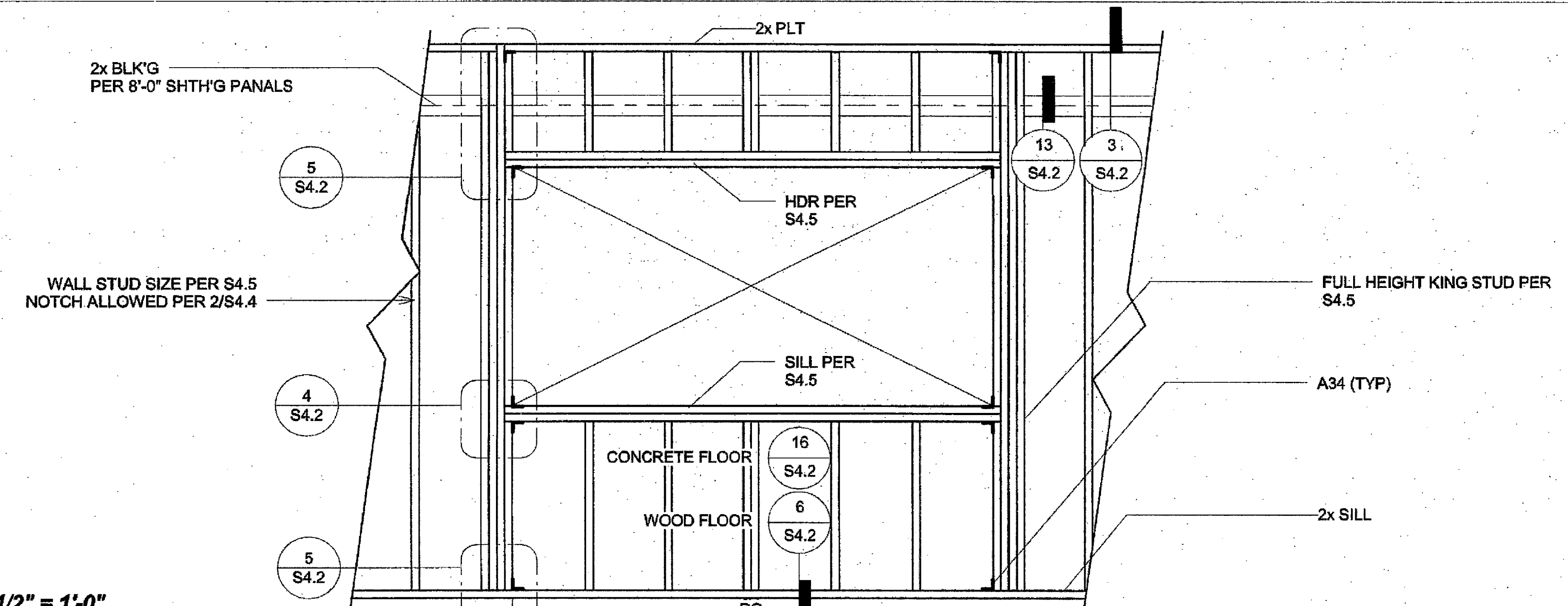
SHEET NO.
S3.3

SHEET OF SHEETS

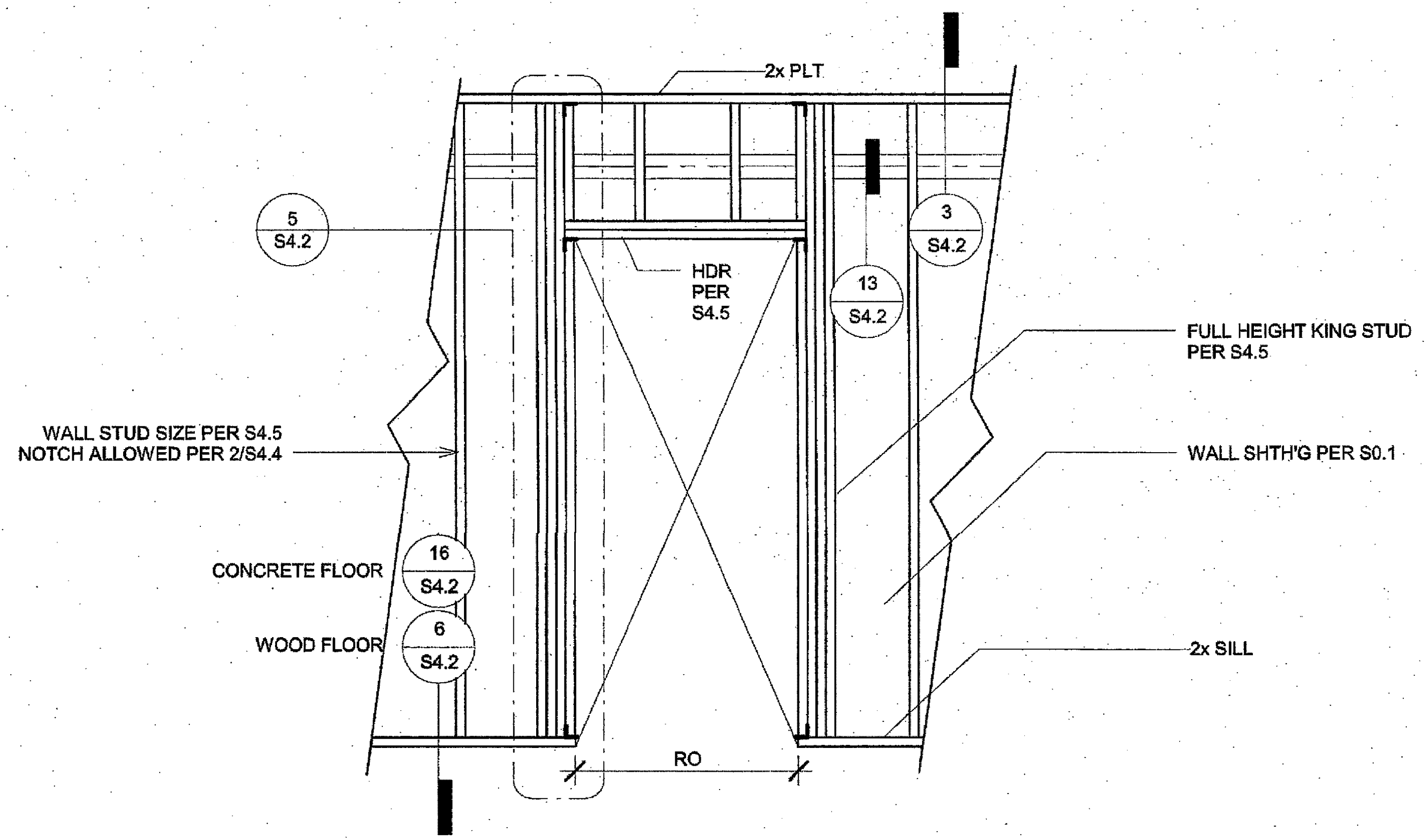
ADDENDUM



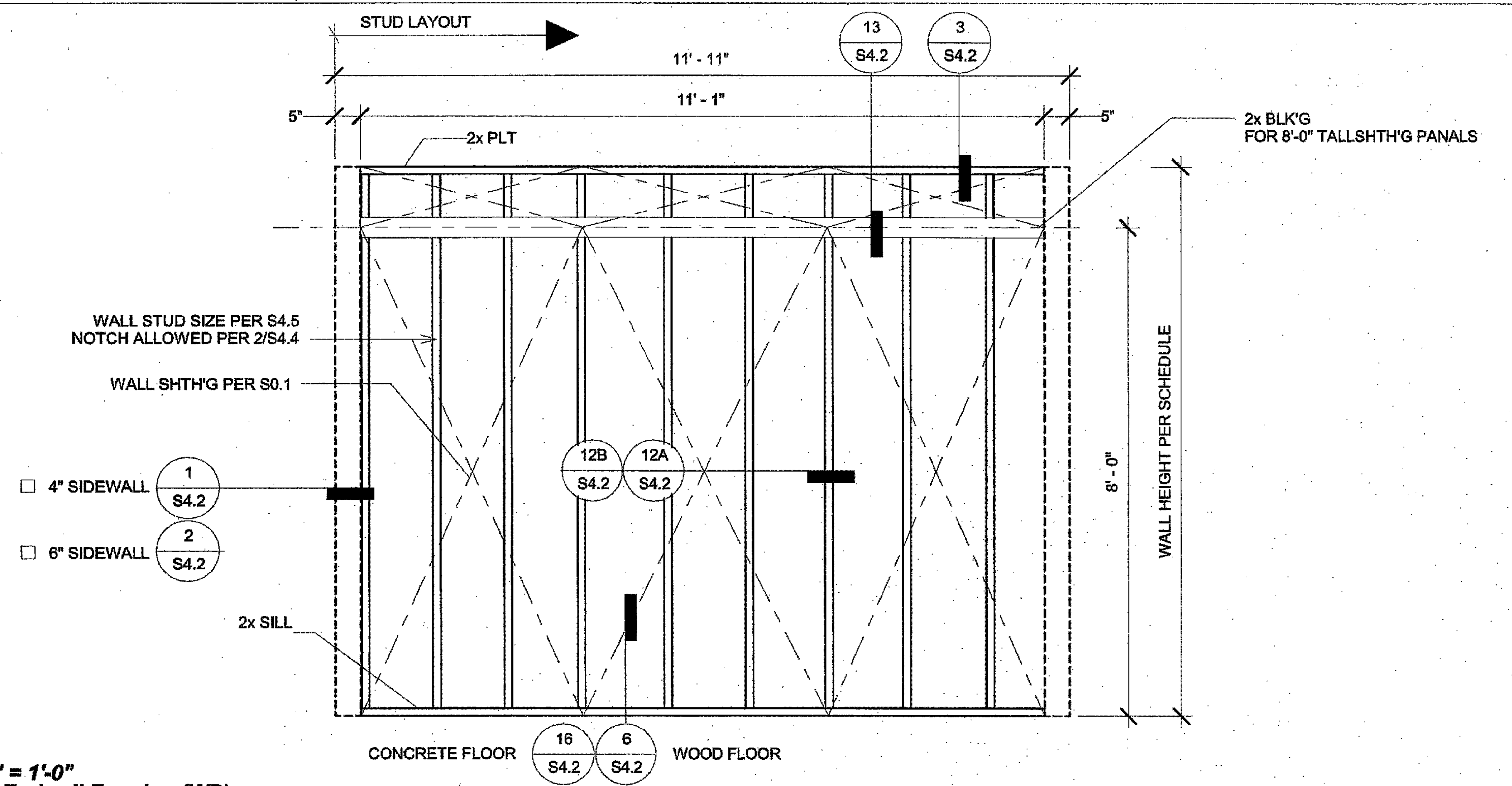
6 1/2" = 1'-0"
Typ Fire Extinguisher Framing (WD)



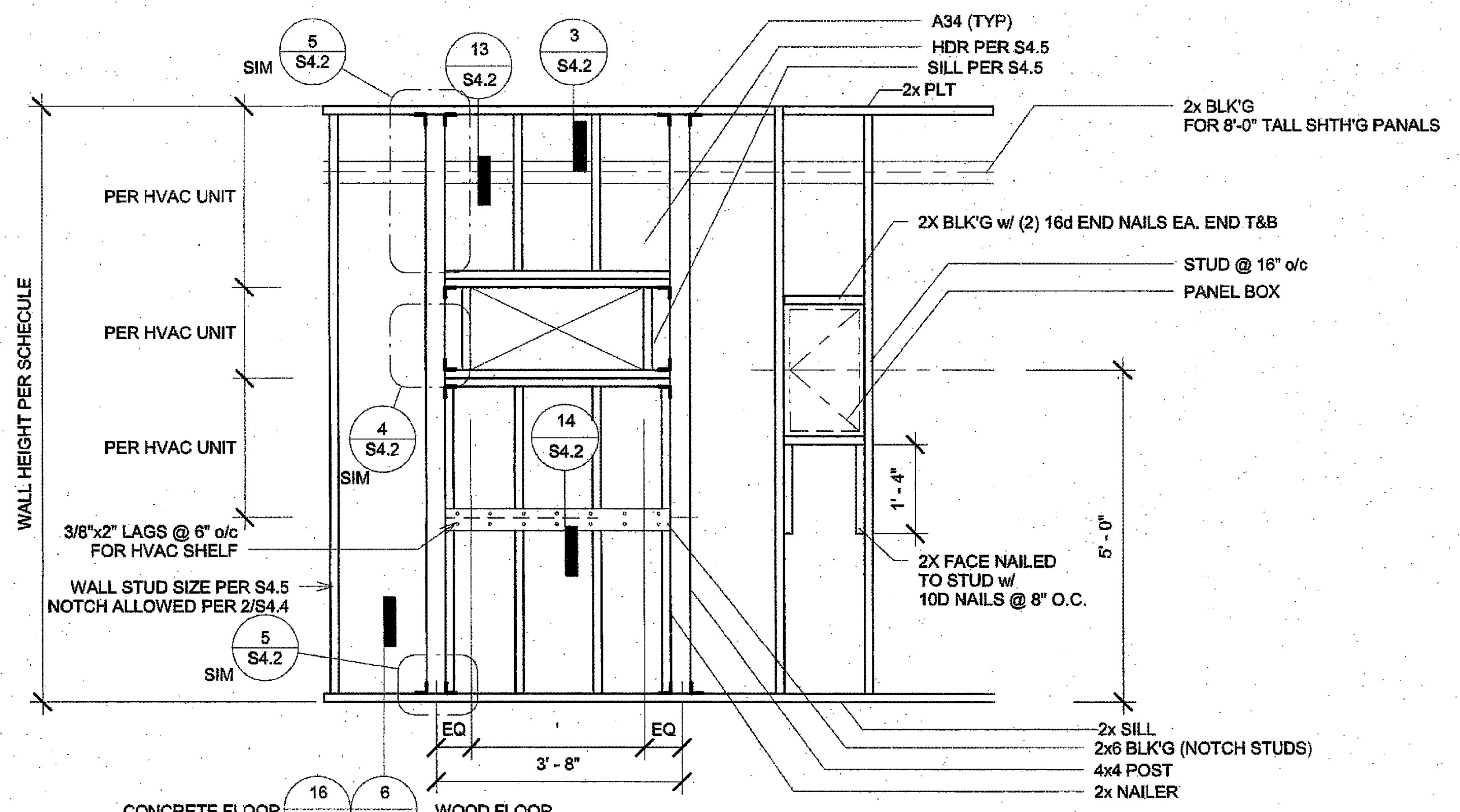
4 1/2" = 1'-0"
Typ Window Framing (WD)



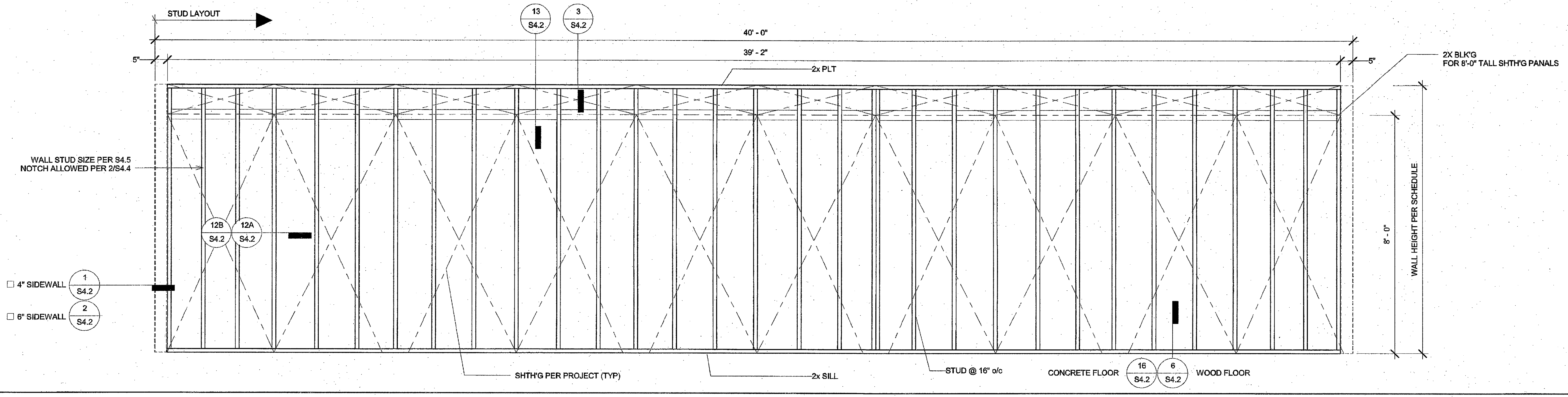
5 1/2" = 1'-0"
Typ Door Framing (WD)



2 1/2" = 1'-0"
Typ Endwall Framing (WD)



3 1/2" = 1'-0"
Typ Endwall Framing @ HVAC (WD)



1 1/2" = 1'-0"
Typ Sidewall Framing (WD)

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISH
No. S5580
03/02/2016

CLIENT

CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC ___ FLS ___ SS ___
DATE MAR 18 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
WD WALL
FRAMING
ELEVATIONS

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

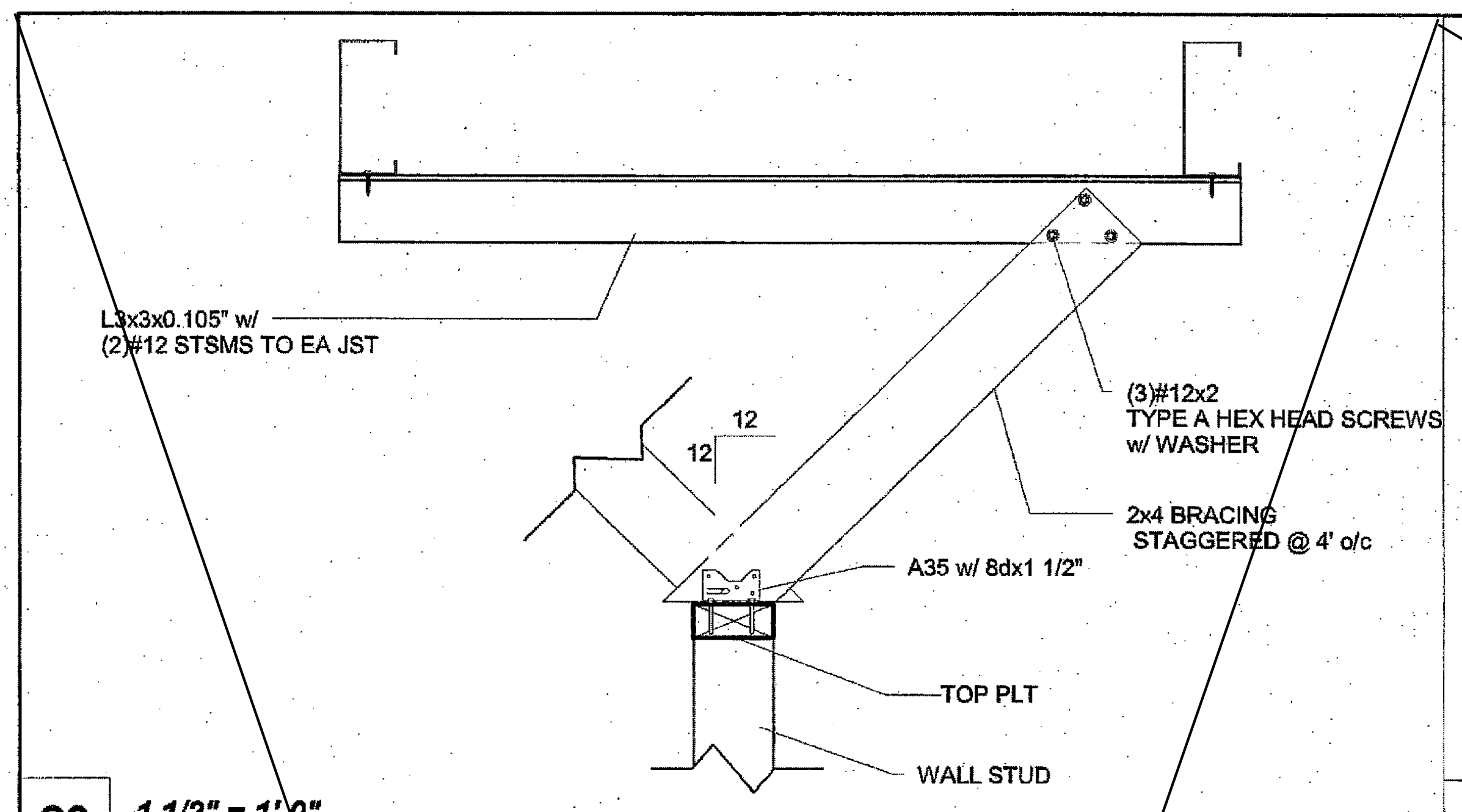
CHECKED BY
JA/RT

DATE
2016/03/02

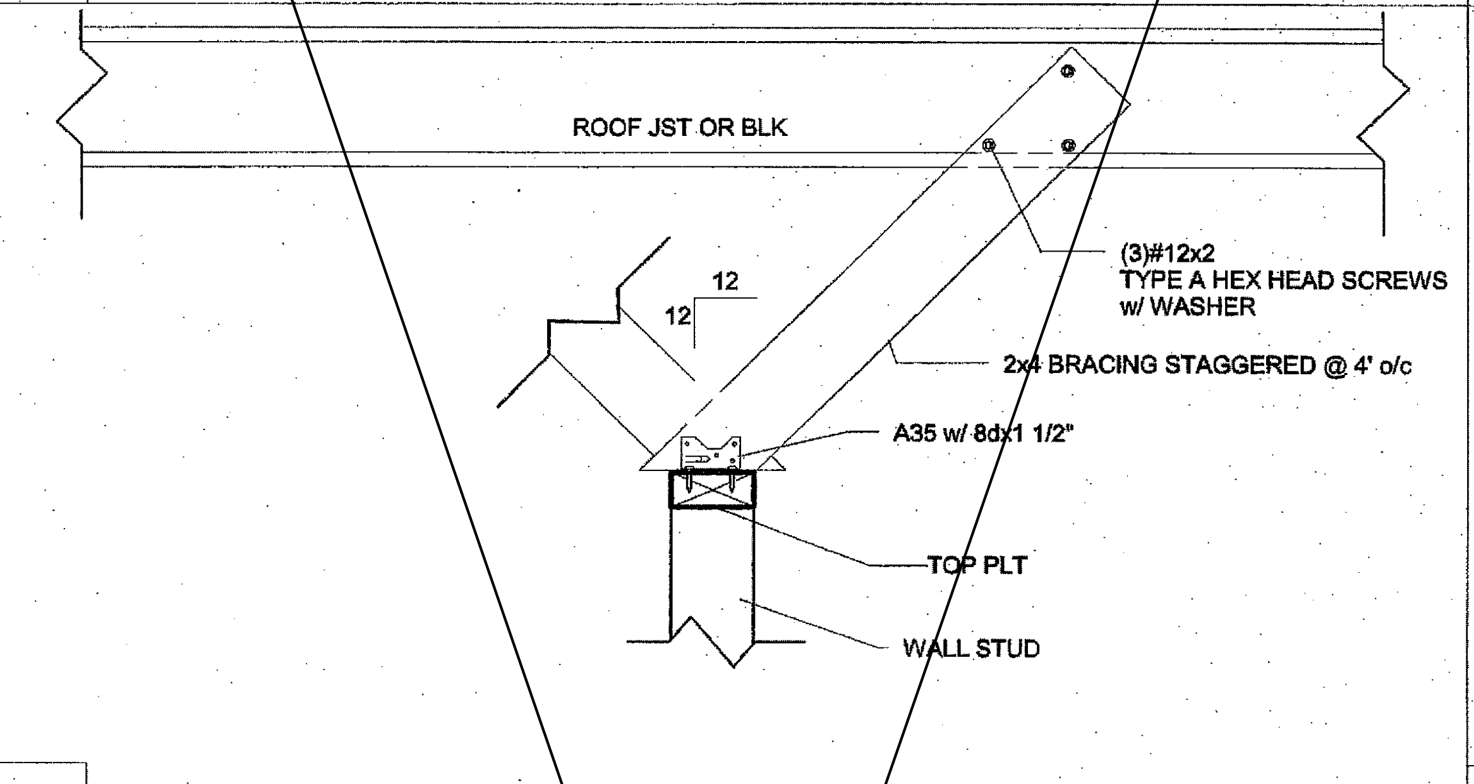
SHEET NO.
S4.1

SHEET OF SHEETS

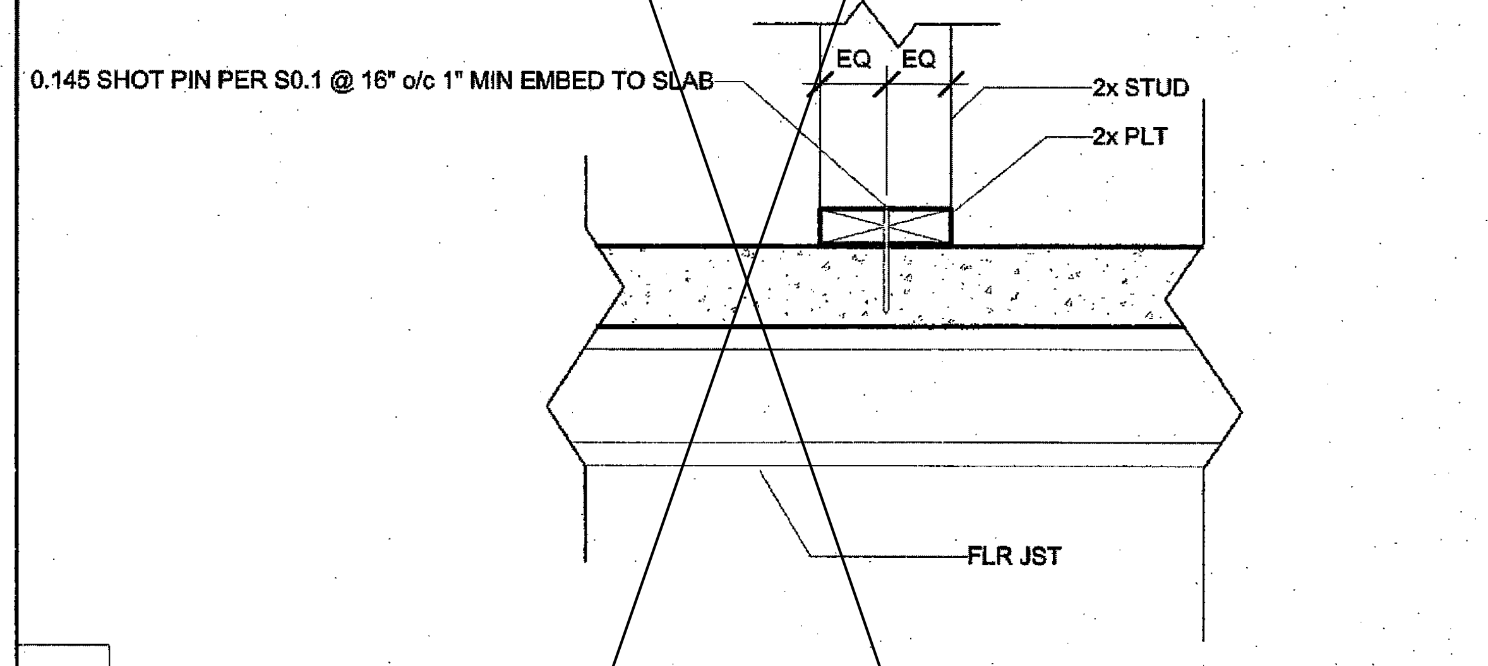
ADDENDUM



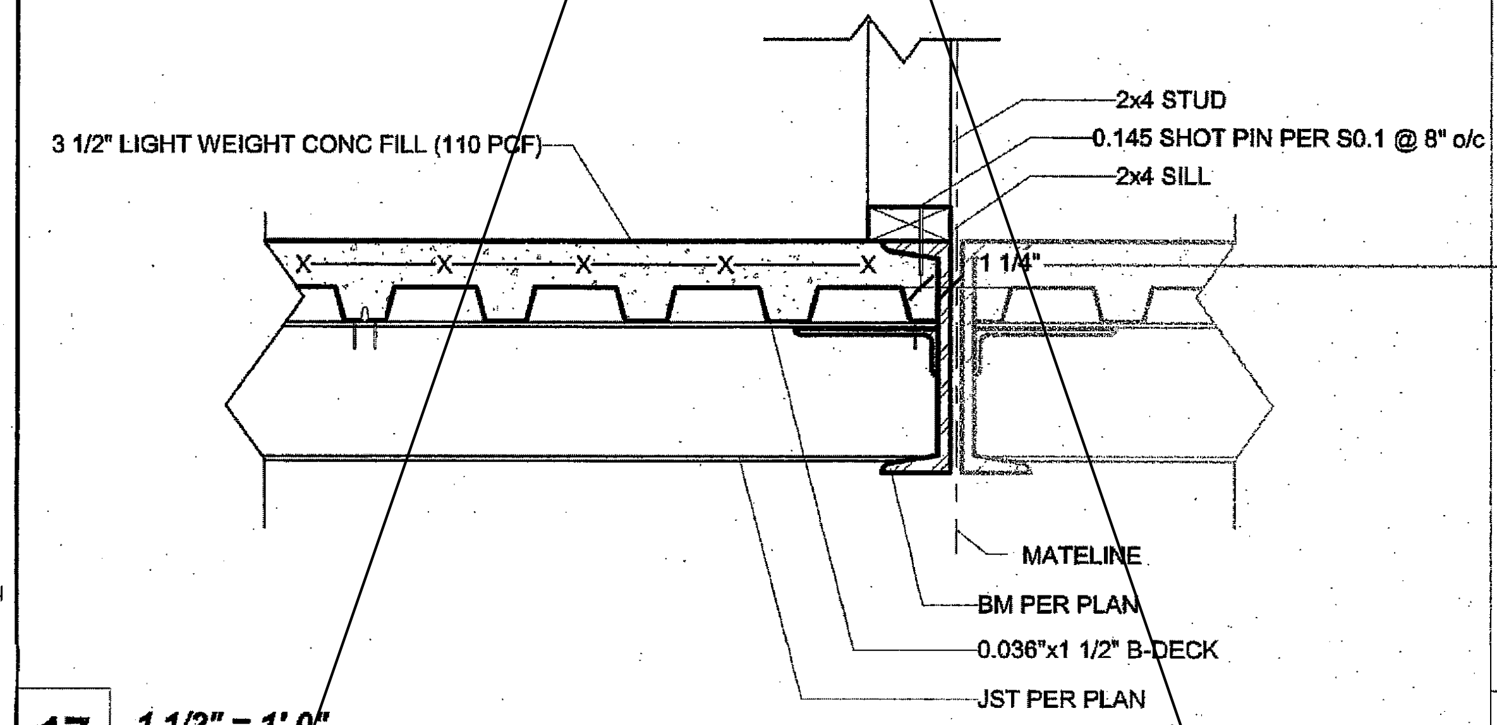
20 1 1/2" = 1'-0"
Sections - Interior Partition w/ Brace to Blk'g (WD)



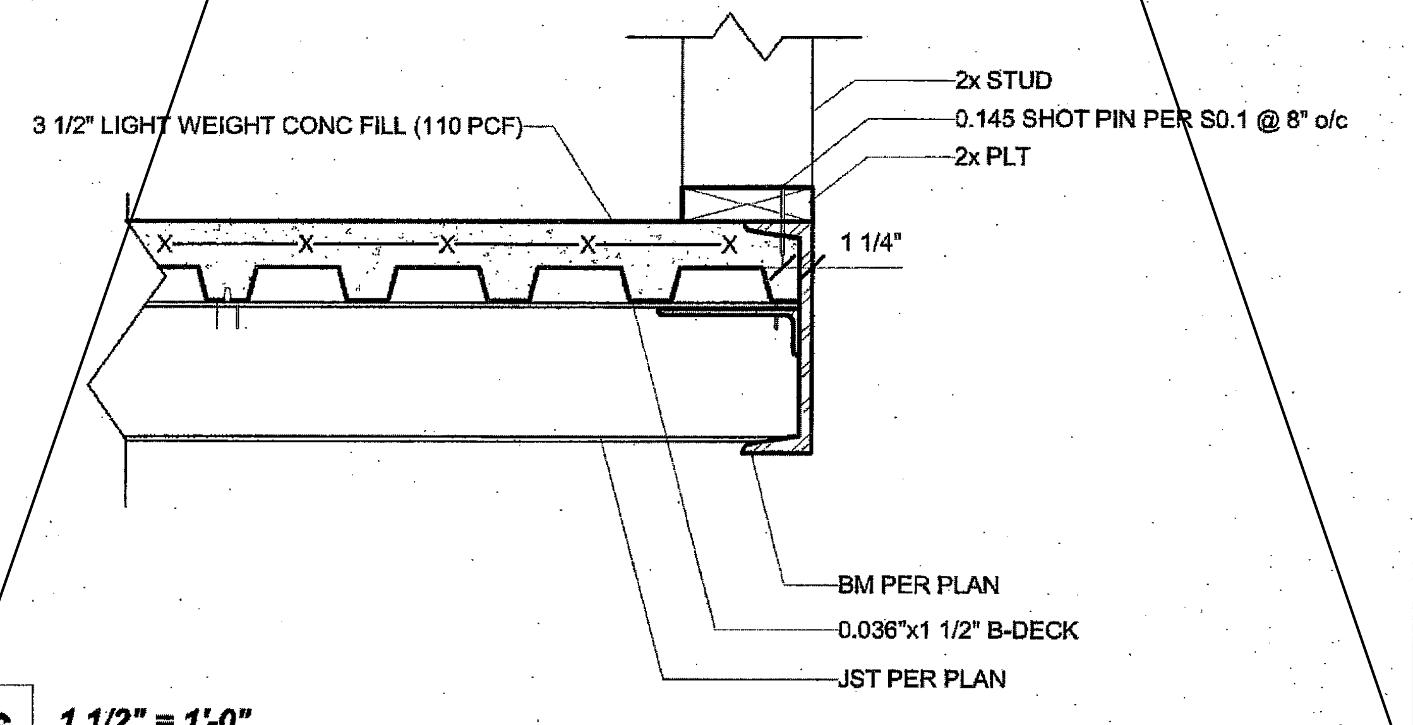
19 1 1/2" = 1'-0"
Sections - Interior Partition w/ Brace (WD)



18 1 1/2" = 1'-0"
Typ Partition Sill Connection (CONC)

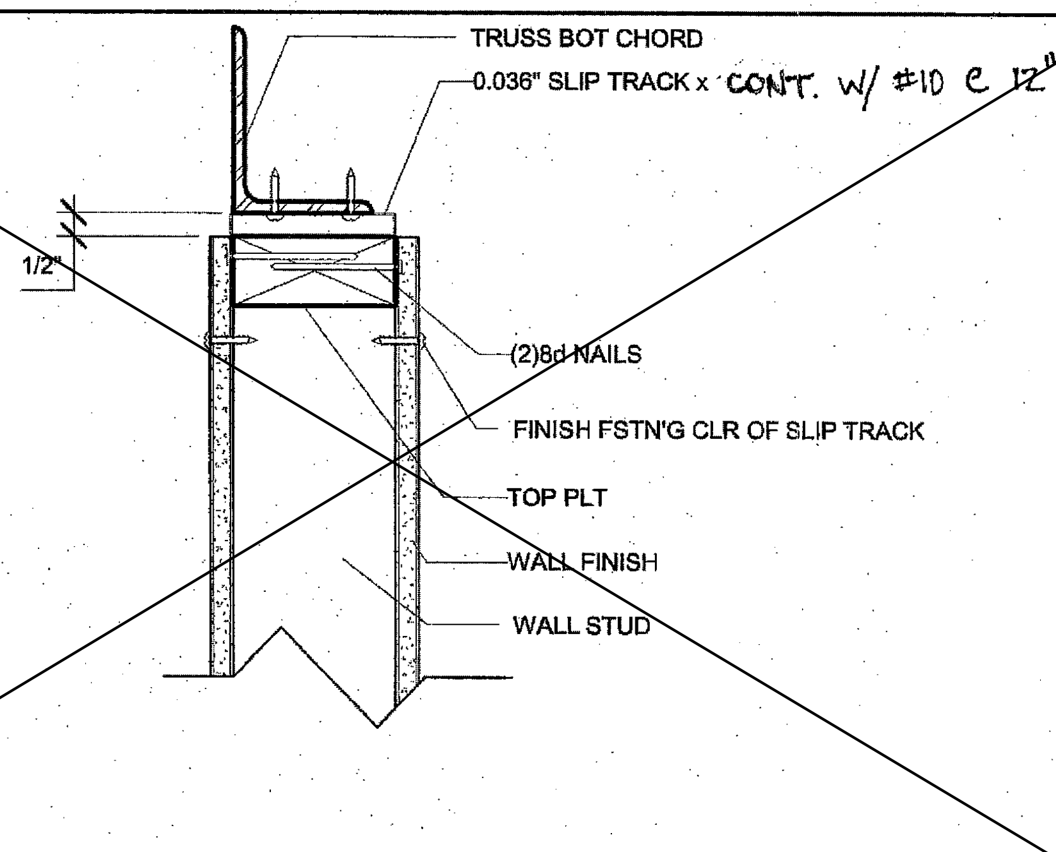


17 1 1/2" = 1'-0"
Wall Sill Plt Connection @ Interior Sidewall (CONC)



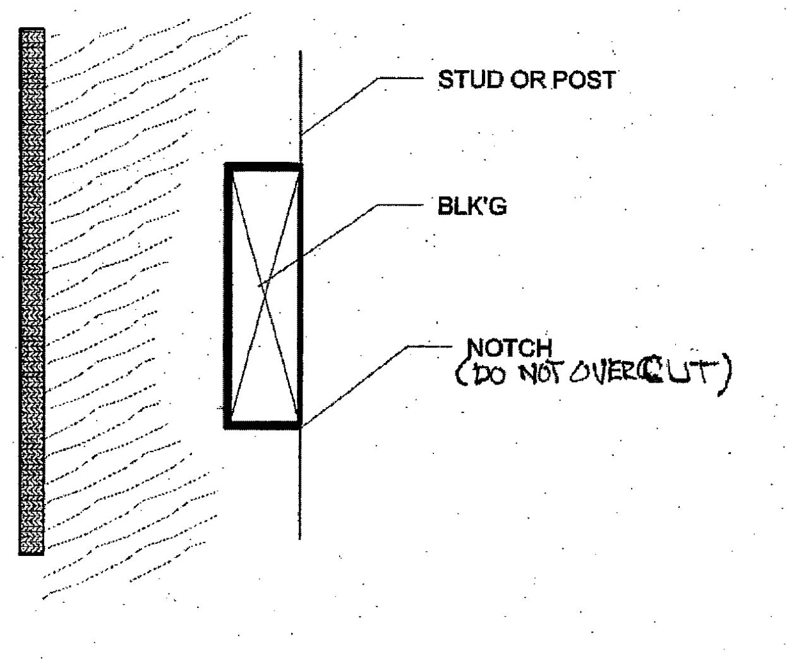
3 1/2" LIGHT WEIGHT CONC FILL (110 PCF)
2x STUD
0.145 SHOT PIN PER S0.1 @ 8" o/c
2x PLT
1 1/4"
BM PER PLAN
0.036"x1 1/2" B-DECK
JST PER PLAN

16 1 1/2" = 1'-0"
Wall Sill Plt Connection @ Exterior Rim (CONC)

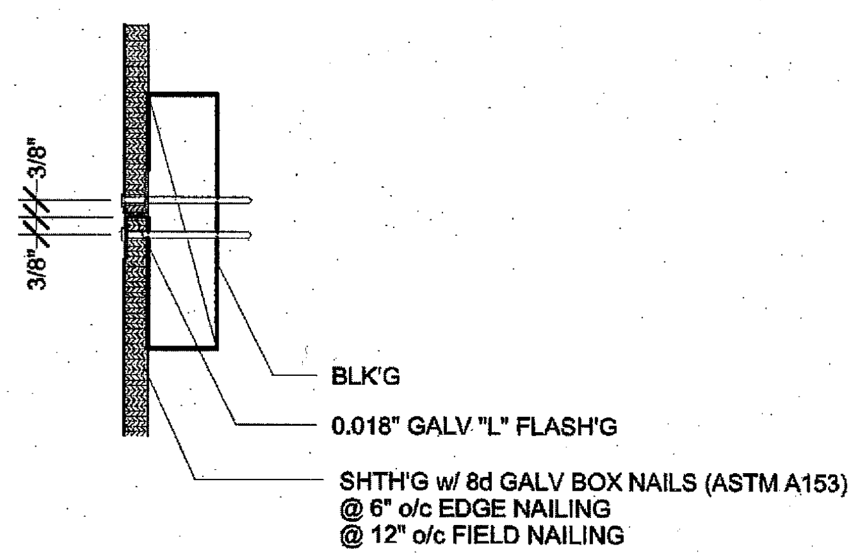


TRUSS BOT CHORD
0.036" SLIP TRACK x CONT. W/ #10 @ 12" o/c
1/2"
(2)8d NAILS
FINISH FSTN'G CLR OF SLIP TRACK
TOP PLT
WALL FINISH
WALL STUD

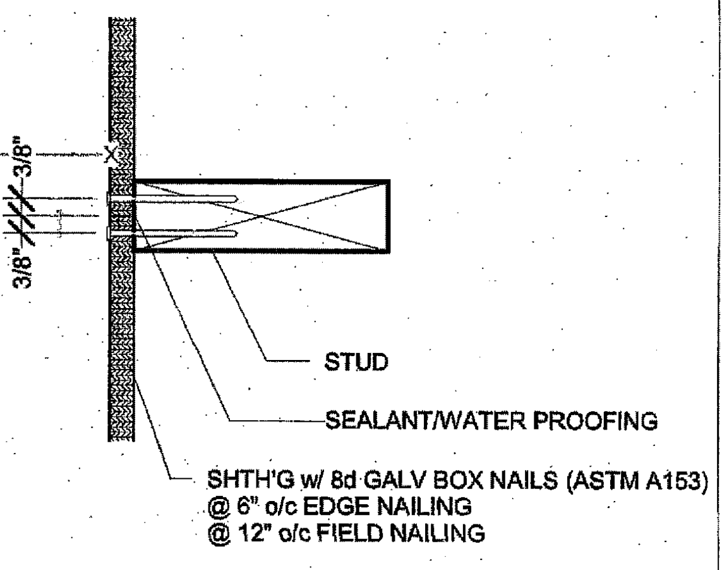
15 3" = 1'-0"
Section - Interior Wall Top Plate @ Truss (ML)



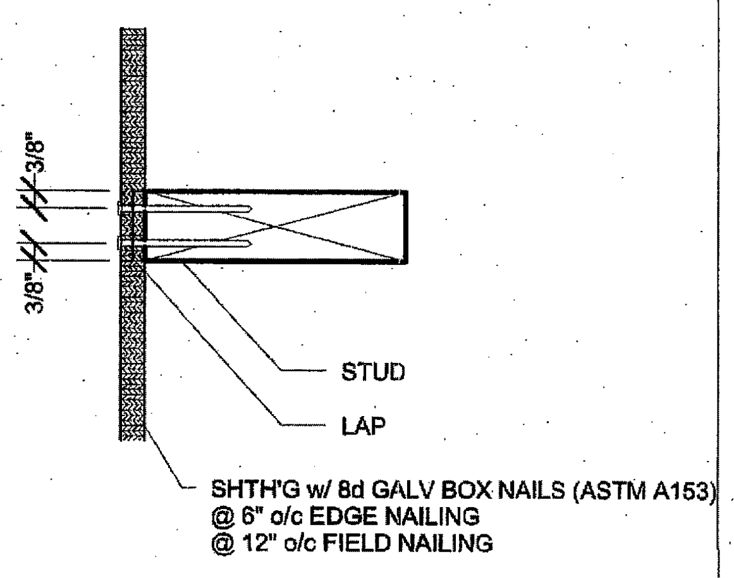
14 3" = 1'-0"
Notch Stud @ Blk'g



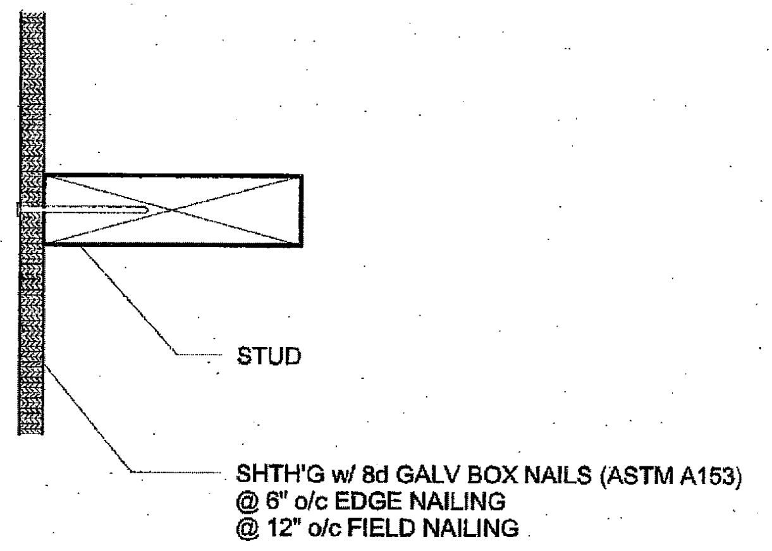
13 3" = 1'-0"
Shth'g @ Blk'g



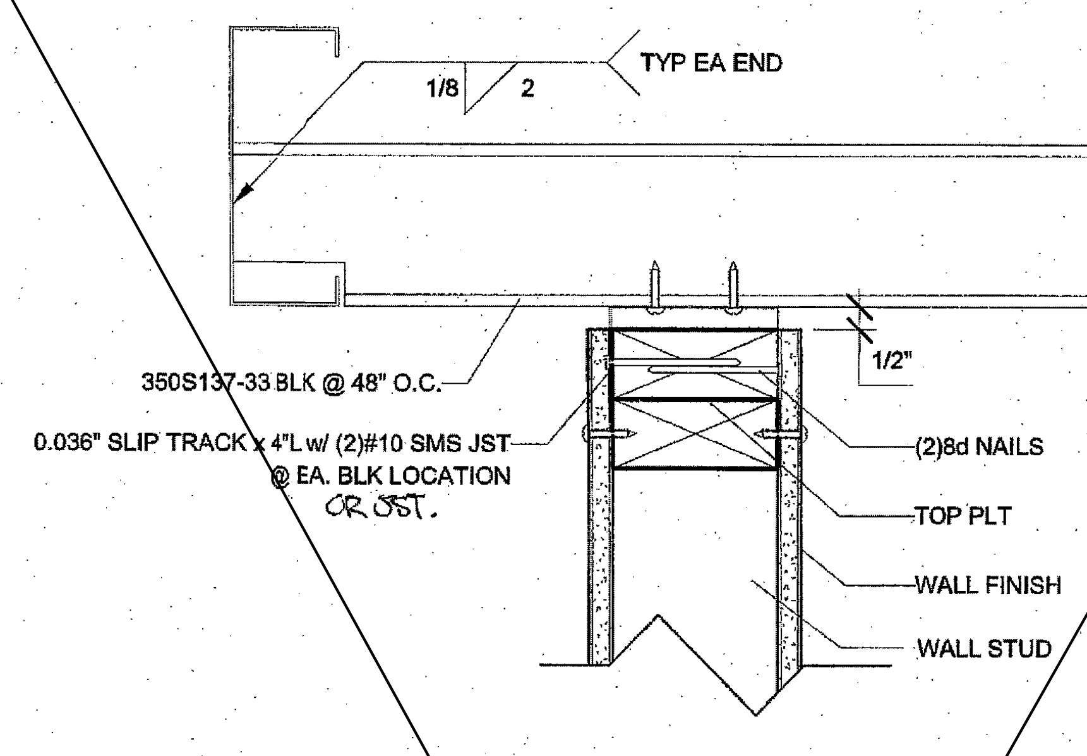
12A 3" = 1'-0"
Shth'g @ Butt Jnt



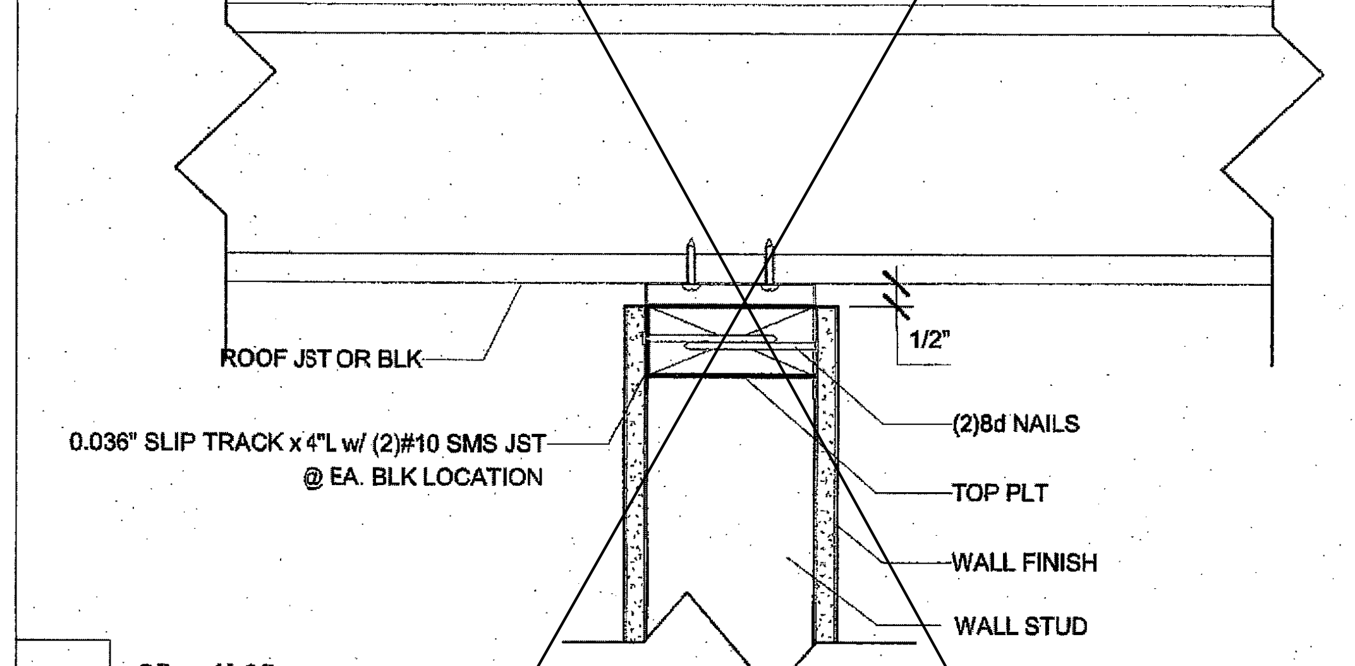
12B 3" = 1'-0"
Shth'g @ Lap Jnt



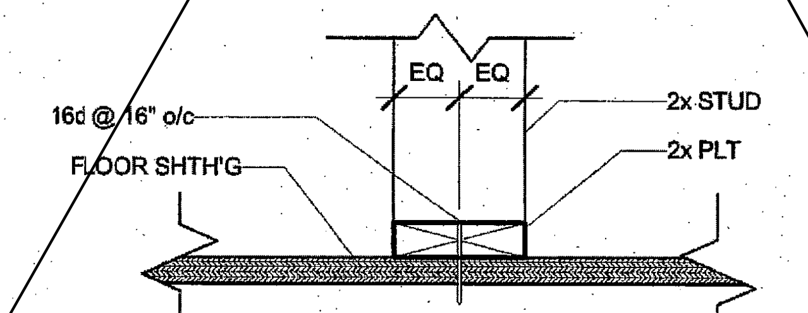
11 3" = 1'-0"
Shth'g @ Stud Conn



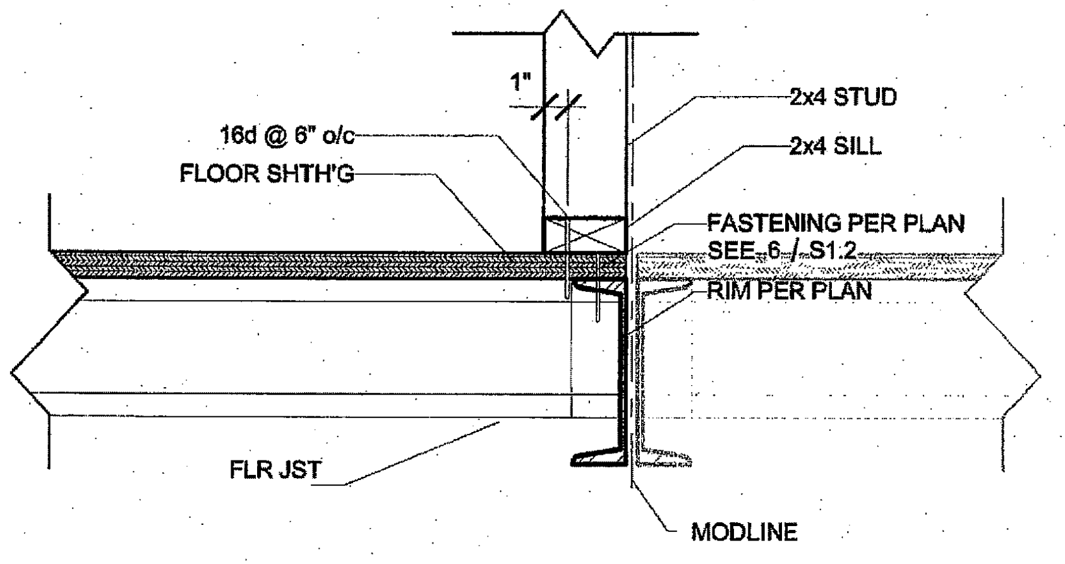
10 3" = 1'-0"
Sections - Interior Partition @ Blk'g (WD)



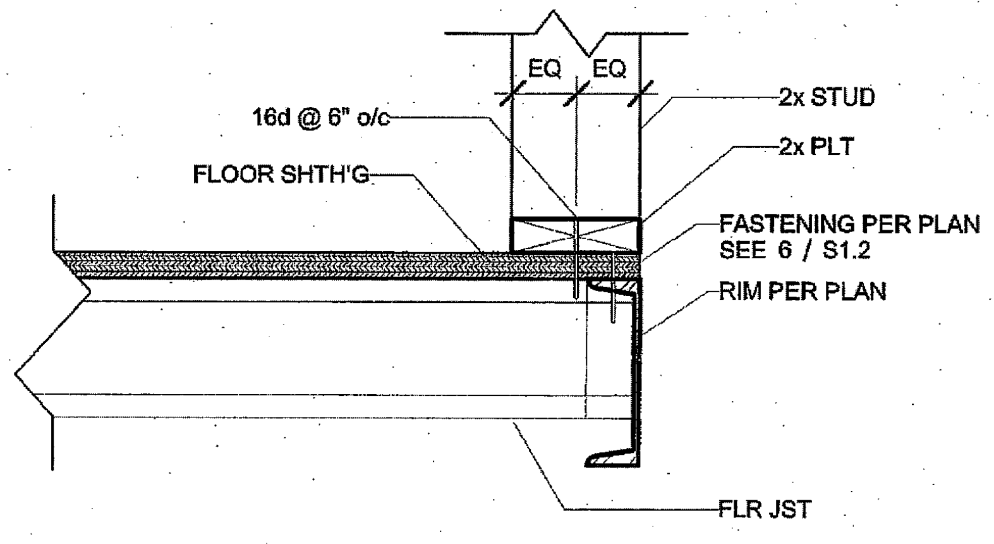
9 3" = 1'-0"
Sections - Interior Partition @ Jst (WD)



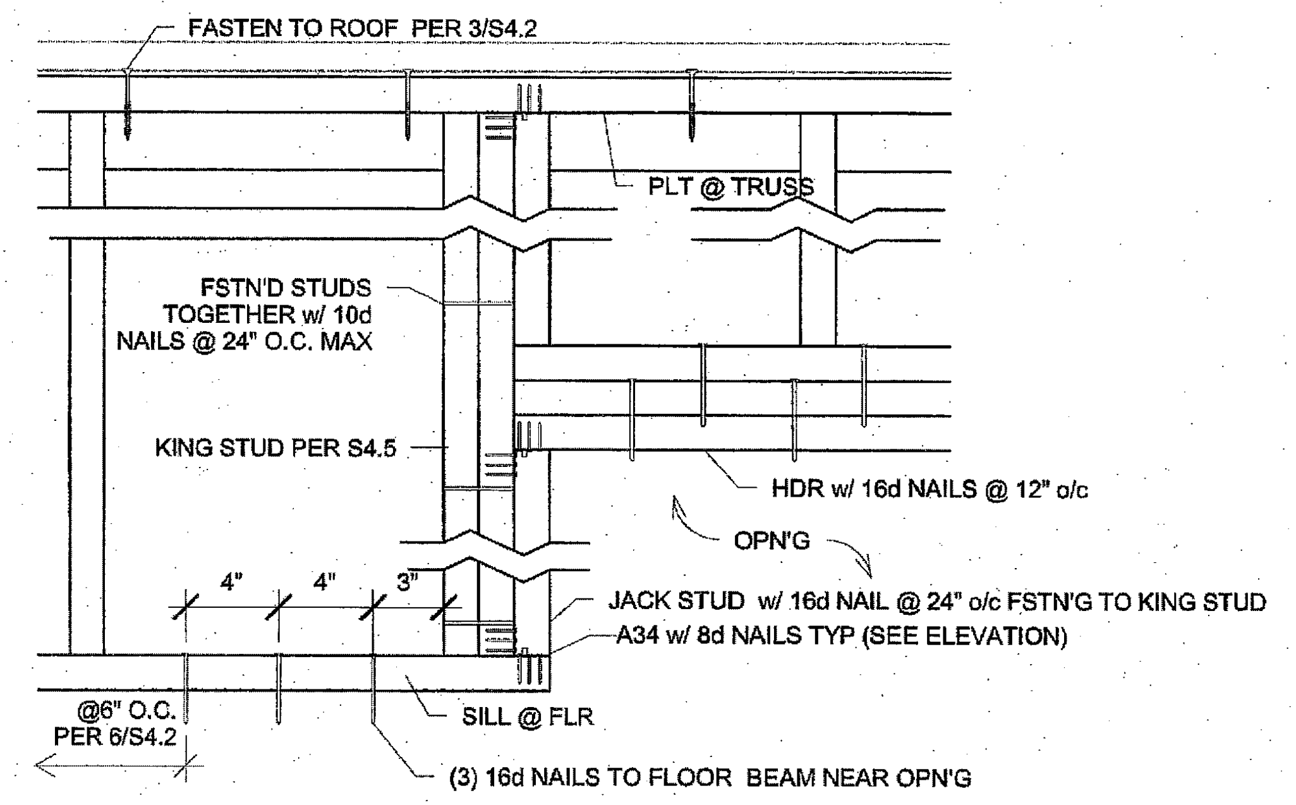
8 1 1/2" = 1'-0"
Typ Partition Sill Connection (WD)



7 1 1/2" = 1'-0"
2x4 Wall Sill Connection @ Interior Sidewalls (WD)

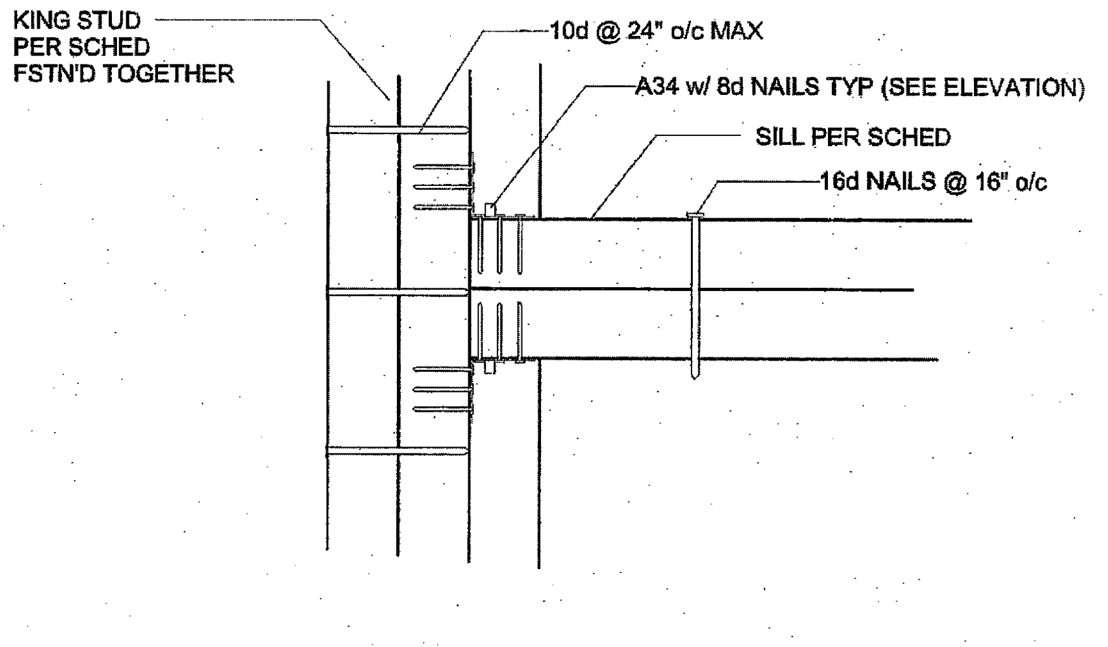


6 1 1/2" = 1'-0"
Wall Sill Connection @ Exterior Rim (WD)

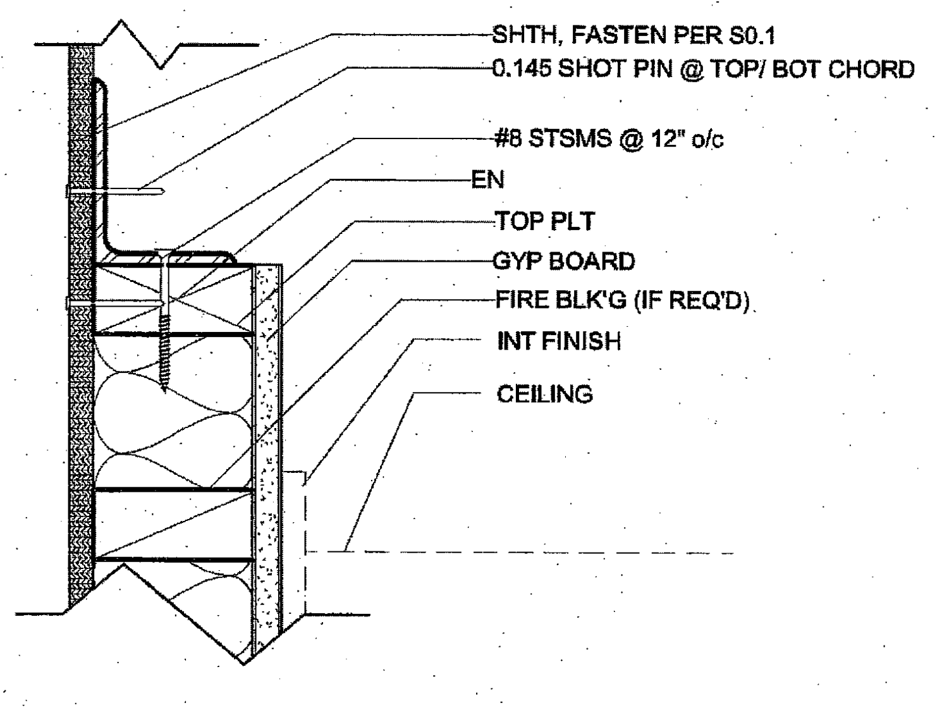


FASTEN TO ROOF PER 3/S4.2
PLT @ TRUSS
FSTN'D STUDS
TOGETHER w/ 10d
NAILS @ 24" O.C. MAX
KING STUD PER S4.5
HDR w/ 16d NAILS @ 12" o/c
OPN'G
4"
4"
3"
JACK STUD w/ 16d NAIL @ 24" o/c FSTN'G TO KING STUD
A34 w/ 8d NAILS TYP (SEE ELEVATION)
@6" O.C.
PER 8/S4.2
SILL @ FLR
(3) 16d NAILS TO FLOOR BEAM NEAR OPN'G

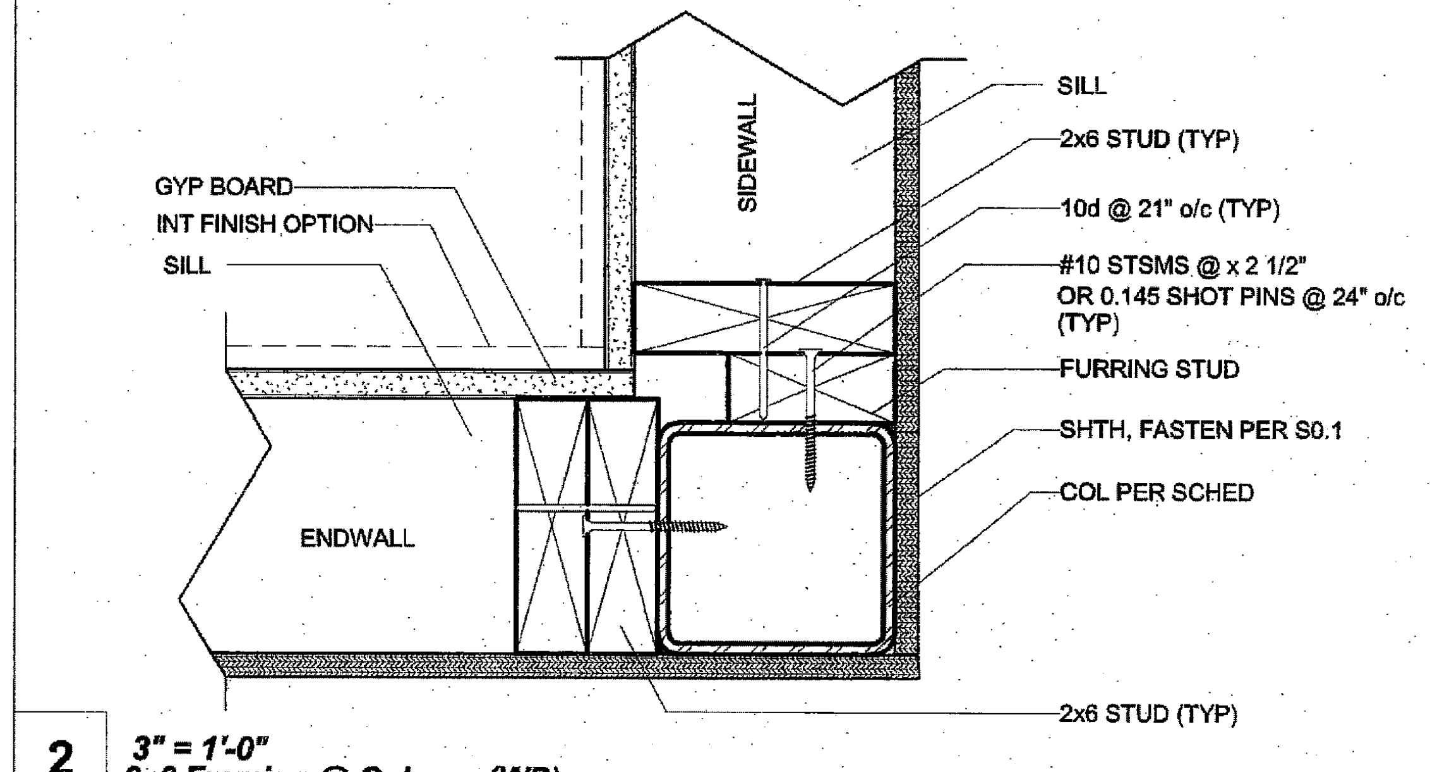
5 1 1/2" = 1'-0"
Elevation - Window/Door Hdr and Sill



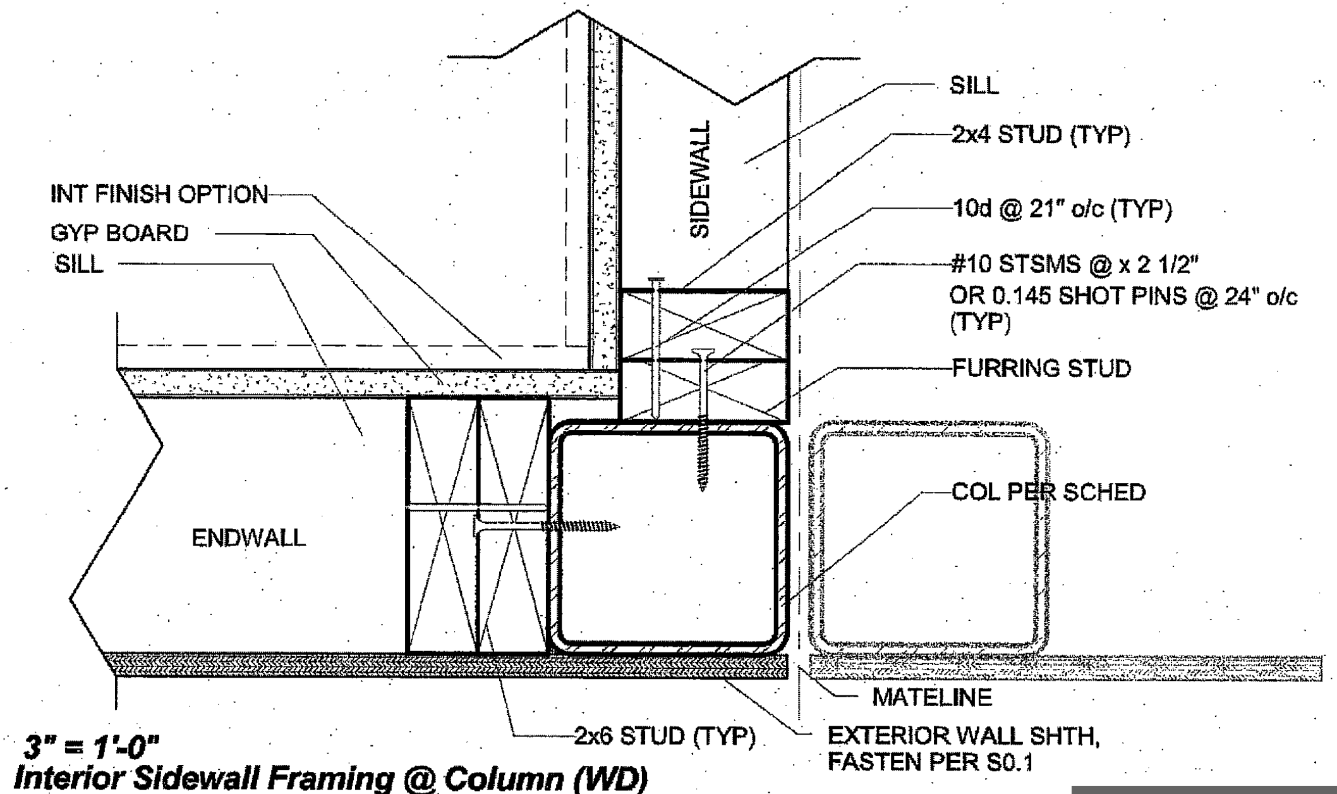
4 3" = 1'-0"
Elevation - Ext Wall Sill @ Window



3 3" = 1'-0"
Section - Exterior Wall Top Plate @ Truss (WD)



2 3" = 1'-0"
2x6 Framing @ Column (WD)



1 3" = 1'-0"
Interior Sidewall Framing @ Column (WD)

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

3/3/2016 8:16:51 PM

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 Bernardo Plaza Ct. Suite 105
San Diego, CA 92128 858.444.3344
www.rstavares.com

PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISBEE
No. S5580
STRUCTURAL
STATE OF CALIFORNIA
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 0 8 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

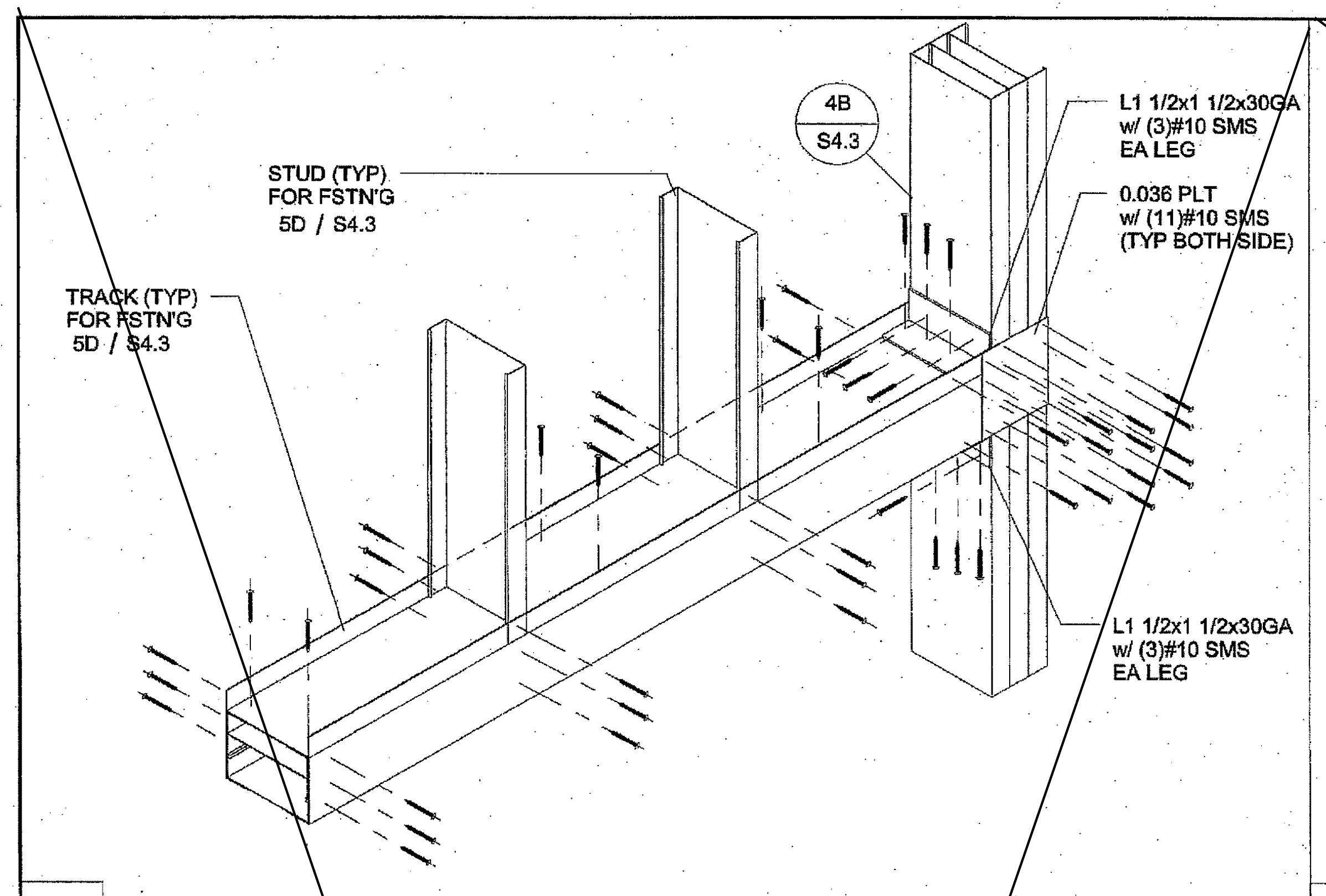
Revision Schedule

#	Description	Date

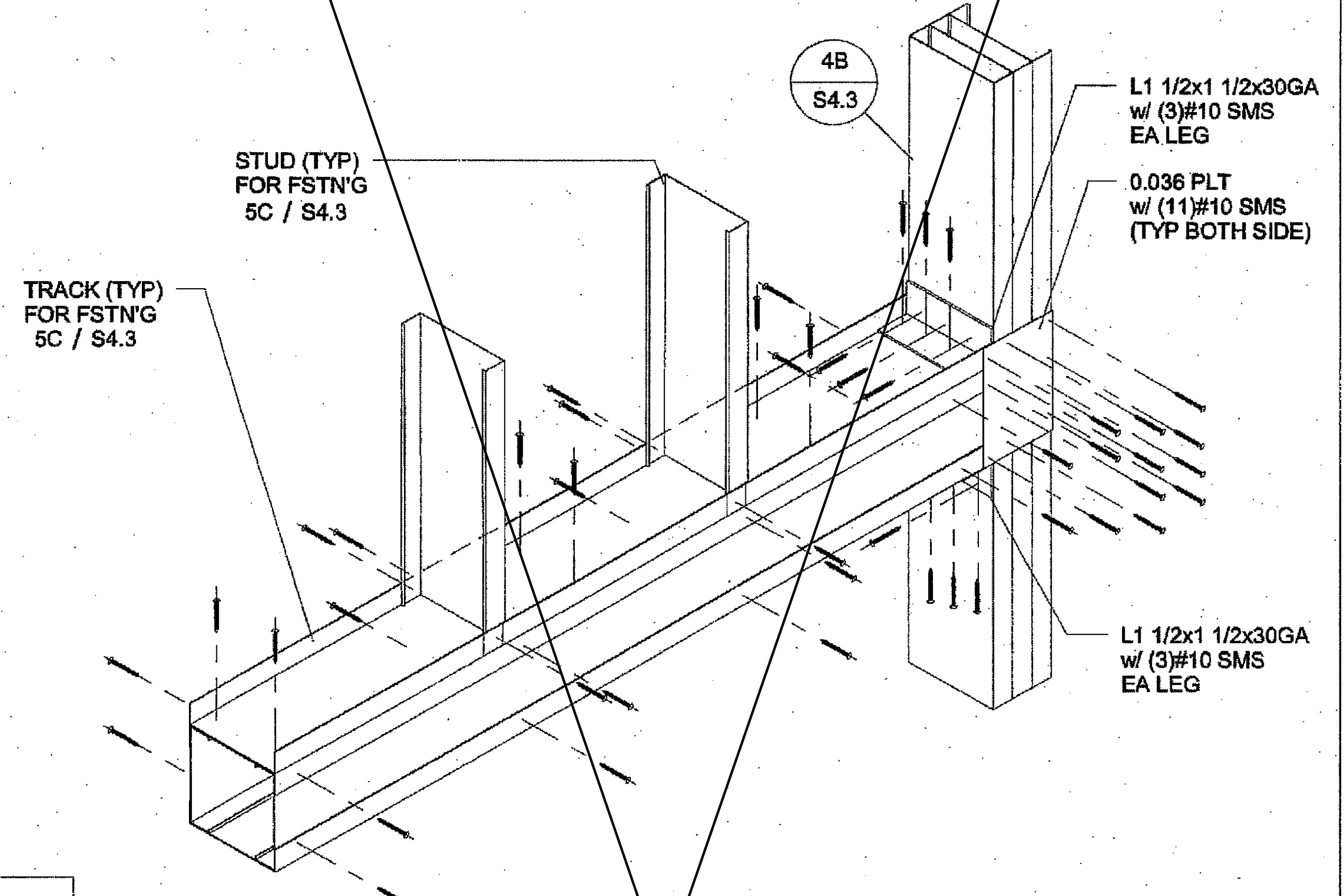
SHEET TITLE
WALL DETAILS
(WOOD FRAMING)

PROJECT NUMBER
15046
DRAWN BY
rMc/SM
CHECKED BY
JA/RT
DATE
2016/03/02
SHEET NO.
S4.2
SHEET OF SHEETS

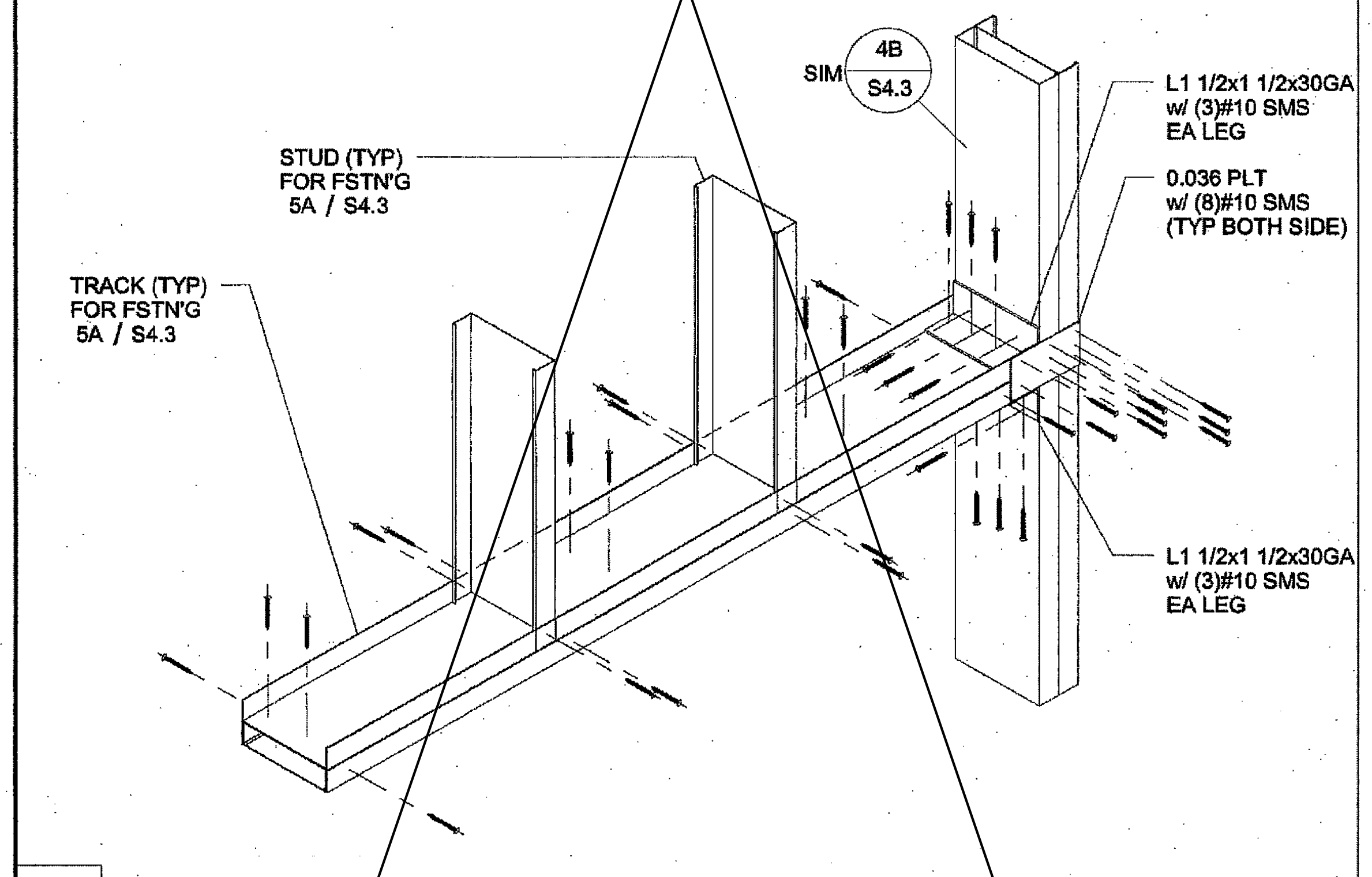
ADDENDUM



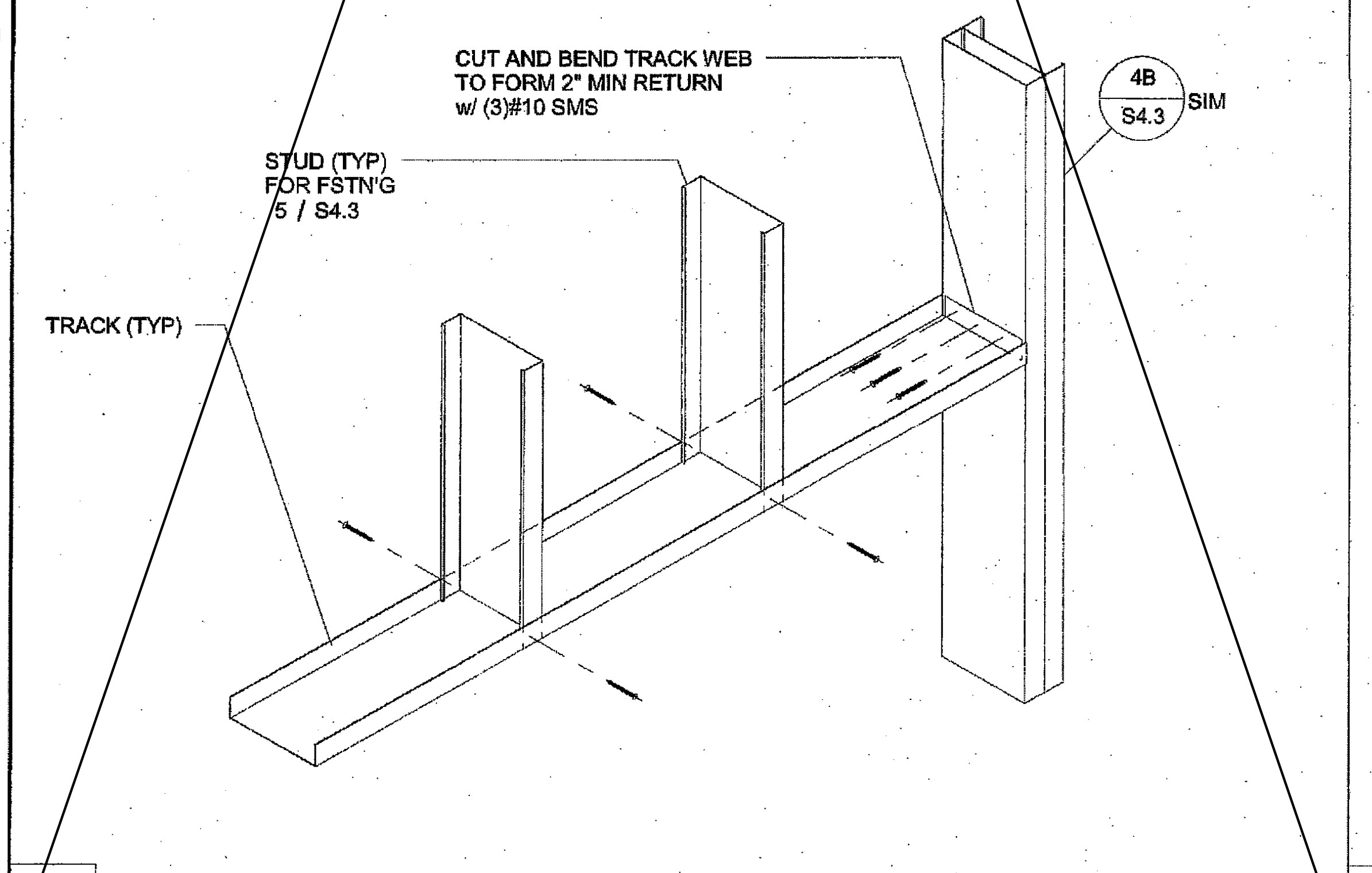
8 *1 1/2" = 1'-0"*
(3)Stud(3)Track - Type(4)



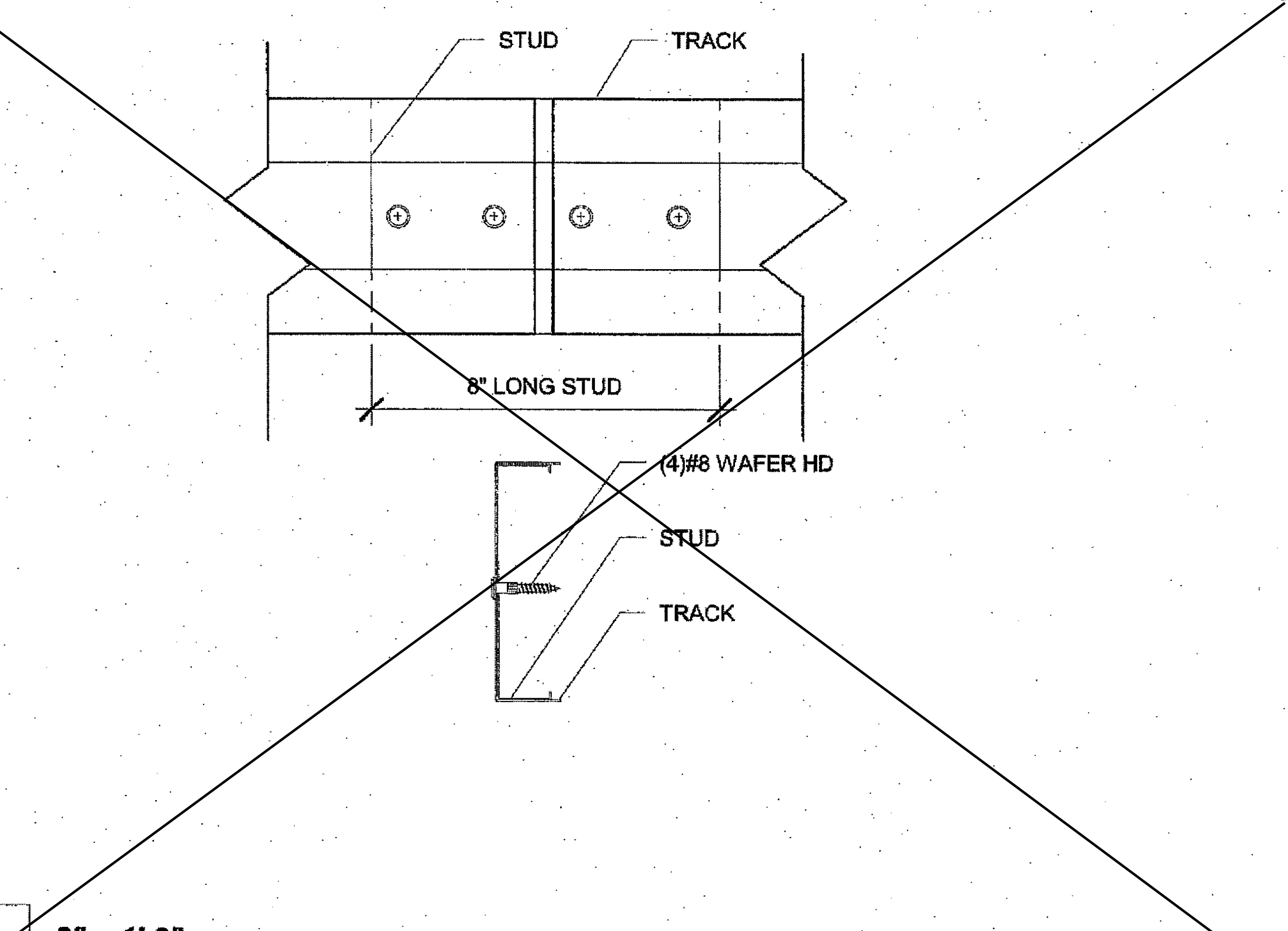
7 *1 1/2" = 1'-0"*
(3)Track(2)Stud - Type(3)



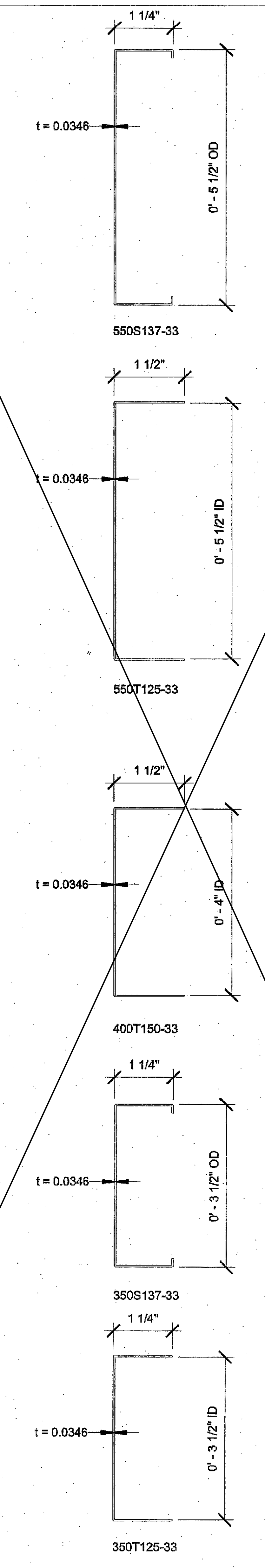
6 *1 1/2" = 1'-0"*
(2)Track(1)Stud - Type(2)



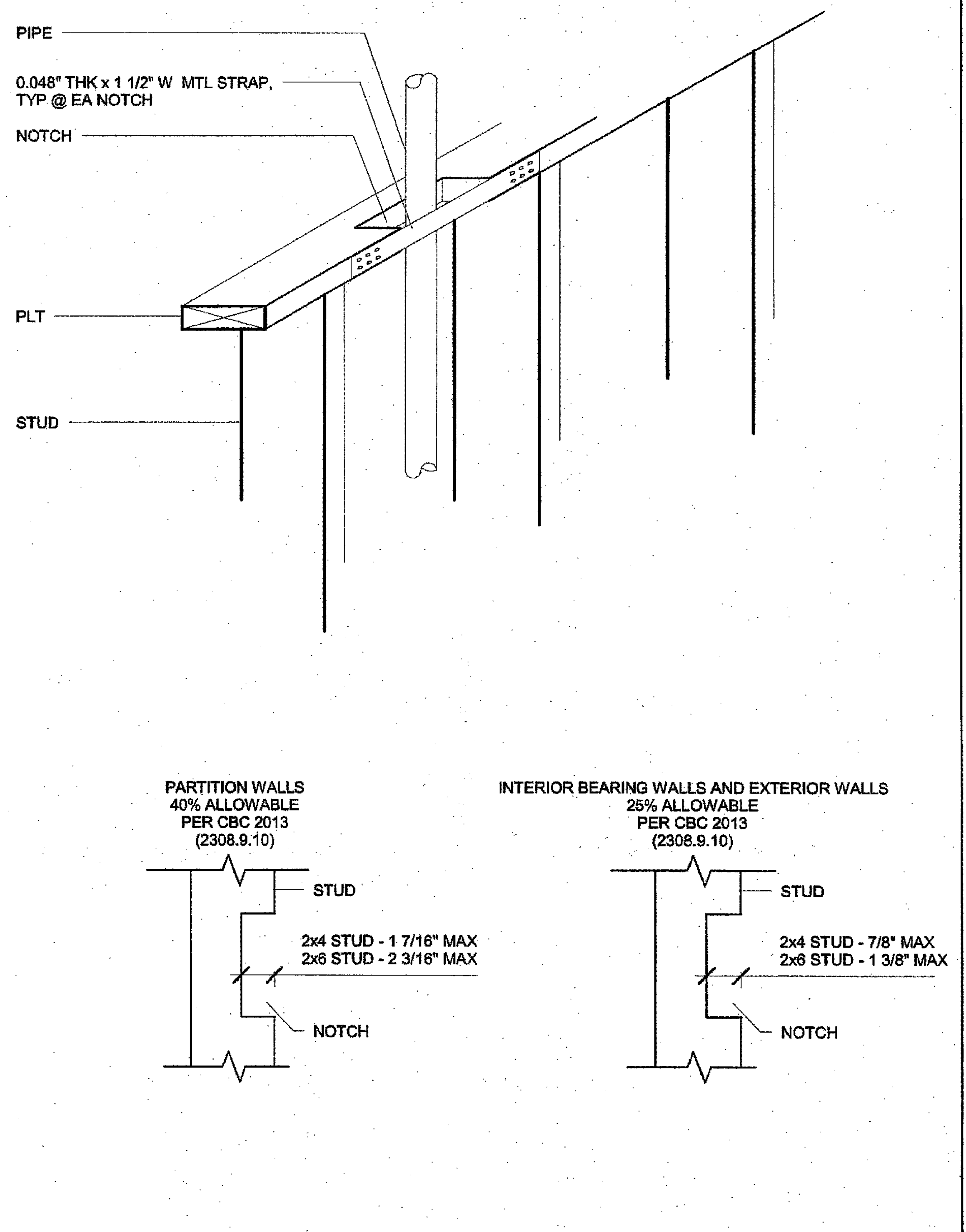
5 *1 1/2" = 1'-0"*
Single Track - Type(1)



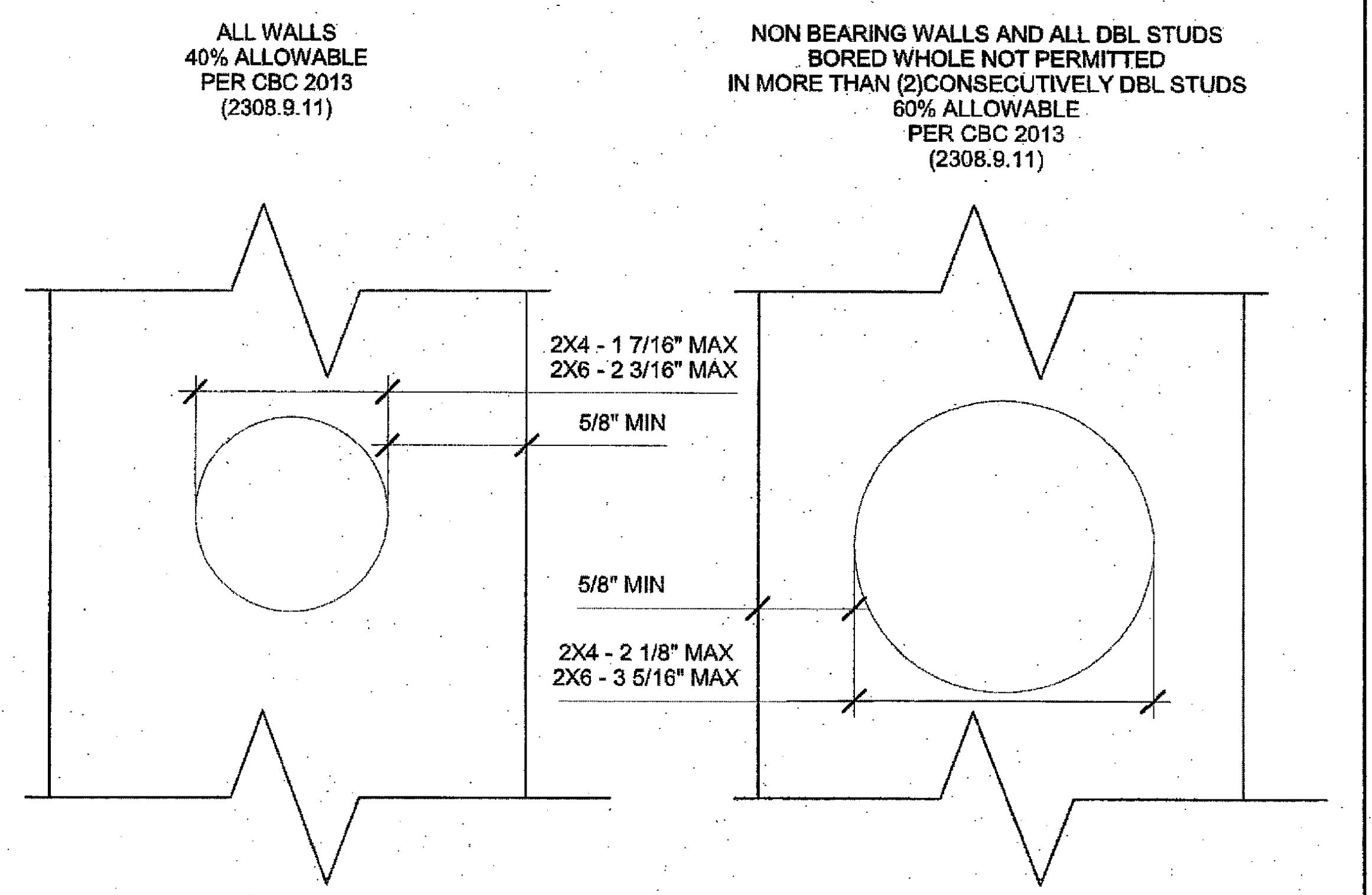
4 *3" = 1'-0"*
Track Splice



3 *6" = 1'-0"*
STUD AND TRACK



2 *1 1/2" = 1'-0"*
Plt Notch



1 *6" = 1'-0"*
Stud Penetration

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt
3/3/2016 8:16:58 PM

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3580

03/02/2016

CLIENT

CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC FLS SS
DATE MAR 1 8 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
TYP FRAMING

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
S4.4

SHEET OF SHEETS

ADDENDUM

2x4 Interior Wall Opening Schedule

COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	4070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	6040	HF	2	#2	DF	2	#2	HF	2	#2
		DF	2	#2	DF	2	#2	DF	2	#2
	8040	HF	3	#2	HF	3	#2	HF	2	#2
		DF	3	#2	DF	3	#2	DF	2	#2
10FT	3070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	4070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	6040	HF	2	#2	HF	2	#2	HF	2	#2
		DF	2	#2	DF	2	#2	DF	2	#2
	8040	HF	3	#2	HF	3	#2	HF	2	#2
		DF	3	#2	DF	3	#2	DF	2	#2

2x6 Exterior Wall Opening Schedule (SHTH'G FINISH)

COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	8040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
10FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
	8040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2

2x6 Exterior Wall Opening Schedule (PLASTER FINISH)

COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	8040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
10FT	3070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2
	8040	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	2	#2

2x4 Interior Wall Framing Schedule

COL HEIGHT	Typical Location				4ft From Building Corner			
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing
9	HF	1	#2	16" O.C.	-	-	-	-
	DF	1	#2	16" O.C.	-	-	-	-
10	HF	1	#2	16" O.C.	-	-	-	-
	DF	1	#2	16" O.C.	-	-	-	-

2x6 Exterior Wall Framing Schedule (SHTH'G FINISH)

COL HEIGHT	Typical Location				4ft From Building Corner			
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing
9	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.
10	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.

2x6 Exterior Wall Framing Schedule (PLASTER FINISH)

COL HEIGHT	Typical Location				4ft From Building Corner			
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing
9	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.
10	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.

□ 350 Interior Wall Opening Schedule --Studs = 350S137-33 --Track = 350T125-33

Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD		
		Type	REF. S4.4	Type	REF. S4.4	Type	Num.	Size
9'- 0"	3070	1	5	N/A	N/A	Stud	(2)	350S137-33
	4070	1	5	N/A	N/A	Stud	(2)	350S137-33
	6040	2	6	2	6	Stud	(3)	350S137-33
	8040	3	8	3	8	Stud	(3)	350S137-33
10'- 0"	3070	1	5	N/A	N/A	Stud	(2)	350S137-33
	4070	2	5	N/A	N/A	Stud	(2)	350S137-33
	6040	2	6	2	6	Stud	(3)	350S137-33
	8040	4	8	4	8	Stud	(4)	350S137-33

□ 350 Interior Wall Framing Schedule

Column Height	Typ Wall Framing				4' From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'- 0"	350S137-33	(1)	Stud	16" o/c	-	-	-	-
10'- 0"	350S137-33	(1)	Stud	16" o/c	-	-	-	-

□ 550 Exterior Wall Opening Schedule (SHTH'G FINSIH) --Studs = 550S137-33 --Track = 550T125-33

Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD		
		Type	REF. S4.4	Type	REF. S4.4	Type	Num.	Size
9'- 0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	1	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	3	6	3	6	Stud	(3)	550S137-33
10'- 0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	2	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	4	6	4	6	Stud	(4)	550S137-33

□ 550 Exterior Wall Framing Schedule (SHTH'G FINISH)

Column Height	Typ Wall Framing				4' From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'- 0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c
10'- 0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c

□ 550 Exterior Wall Opening Schedule (PLASTER FINSIH) --Stud = 550S137-33 --Track = 550T125-33

Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD		
		Type	REF. S4.4	Type	REF. S4.4	Type	Num.	Size
9'- 0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	1	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	3	6	3	6	Stud	(3)	550S137-33
10'- 0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	2	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	4	6	4	6	Stud	(4)	550S137-33

□ 550 Exterior Wall Framing Schedule (PLASTER FINISH)

Column Height	Typ Wall Framing				4' From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'- 0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c
10'- 0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c

C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

3/3/2016 8:17:00 PM

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3580
STRUCTURAL
STATE OF CALIFORNIA

03/02/2016

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC ___ FLS ___ SS ___
DATE MAR 1 8 2016

PROJECT TITLE

24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS ___ FLS ___ SS ___
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
FRAMING SCHEDULES

PROJECT NUMBER 15046

DRAWN BY rMc/SM

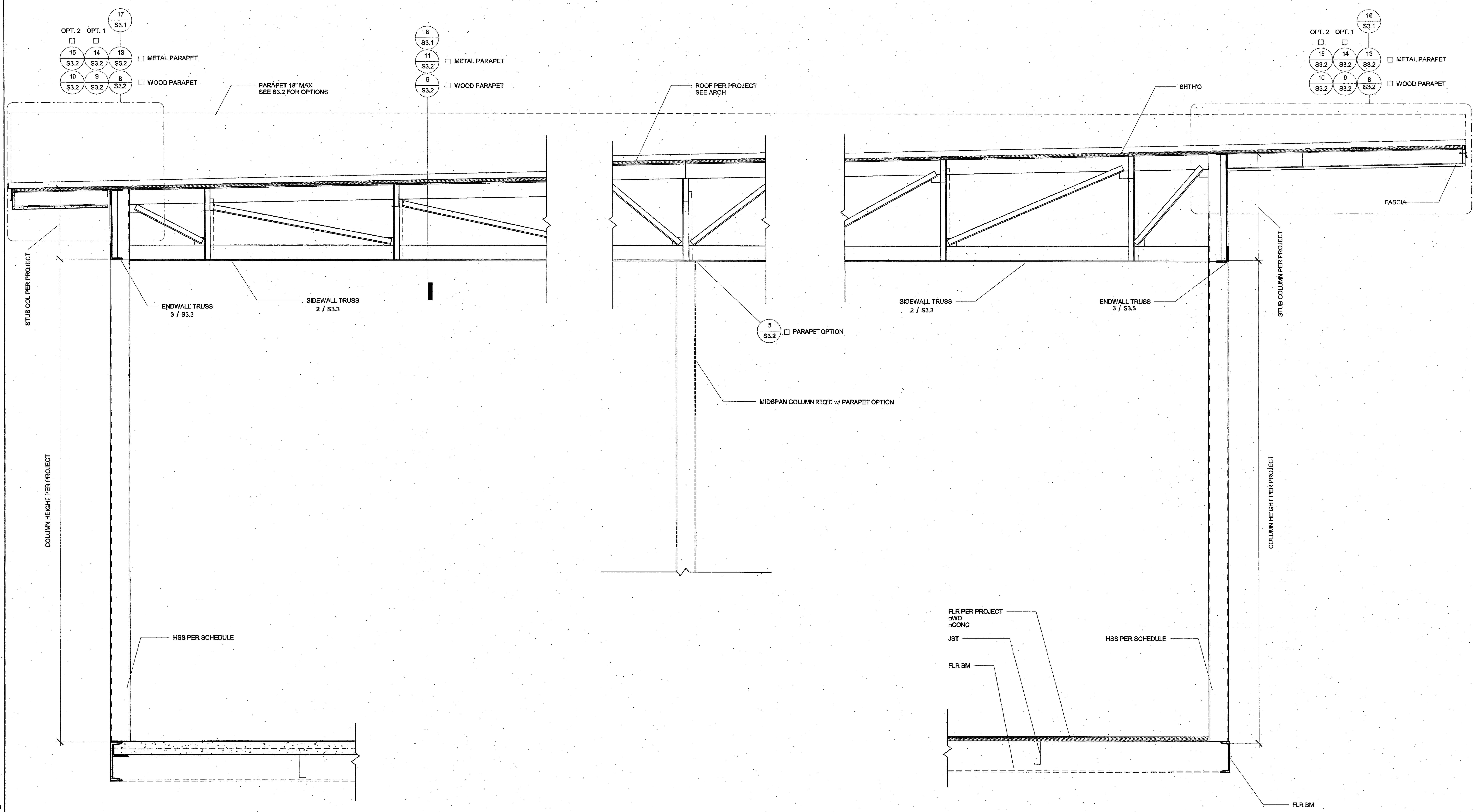
CHECKED BY JA/RT

DATE 2016/03/02

SHEET NO. S4.5

SHEET OF SHEETS

ADDENDUM



1 1" = 1'-0"
Structural Section (MONO)

3/3/2016 8:17:02 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISHER
No. S3580
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
LONG. SECTION -
(MONO)

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

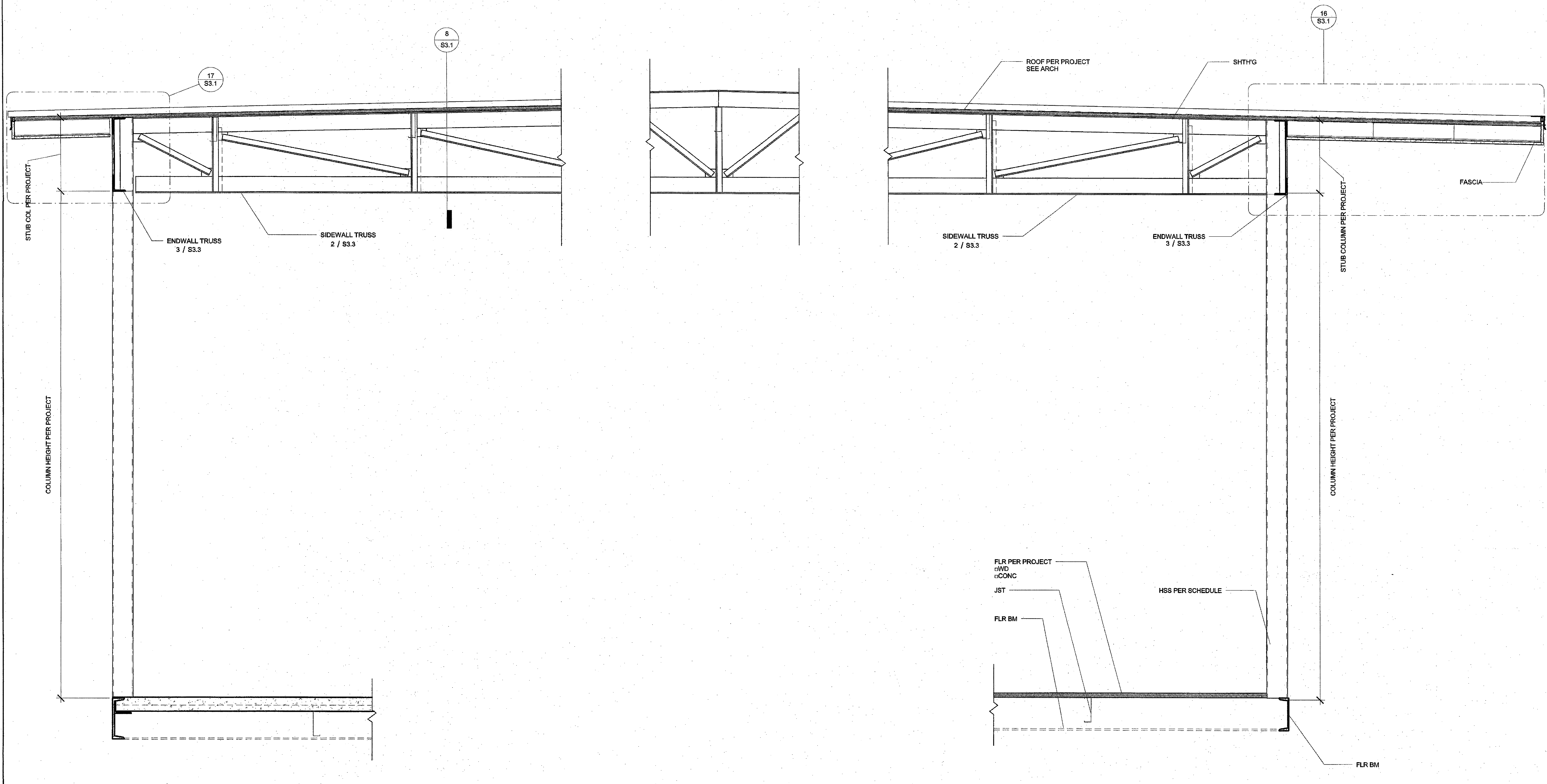
CHECKED BY
JA/RT

DATE
2016/03/02

SHEET NO.
S5.0

SHEET OF SHEETS

ADDENDUM



1 *1" = 1'-0"*
Structural Section (DUAL)

3/3/2016 8:17:03 PM C:\Users\Sarah\Documents\15046 - Aries, 24x40 PC - MainFile_Sarah.rvt

R&S TAVARES ASSOCIATES
DESIGN ♦ CONSULTING ♦ PROJECT MGT
11777 BERNARDO PLAZA CT. SUITE 105
SAN DIEGO, CA 92128 858.444.3344
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
MANNY D. FRISH
No. S3580
STRUCTURAL
STATE OF CALIFORNIA
03/02/2016

CLIENT
CLASS
LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEP. PROJECT PPLICATION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114654
AC — FLS SS
DATE MAR 18 2016

PROJECT TITLE
24' x 40'
EXPANDABLE TO
48' x 40'

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 115748
ACS — FLS — SS
DATE DEC 08 2016

Revision Schedule

#	Description	Date

SHEET TITLE
LONG SECTION - (DUAL)

PROJECT NUMBER
15046

DRAWN BY
rMc/SM

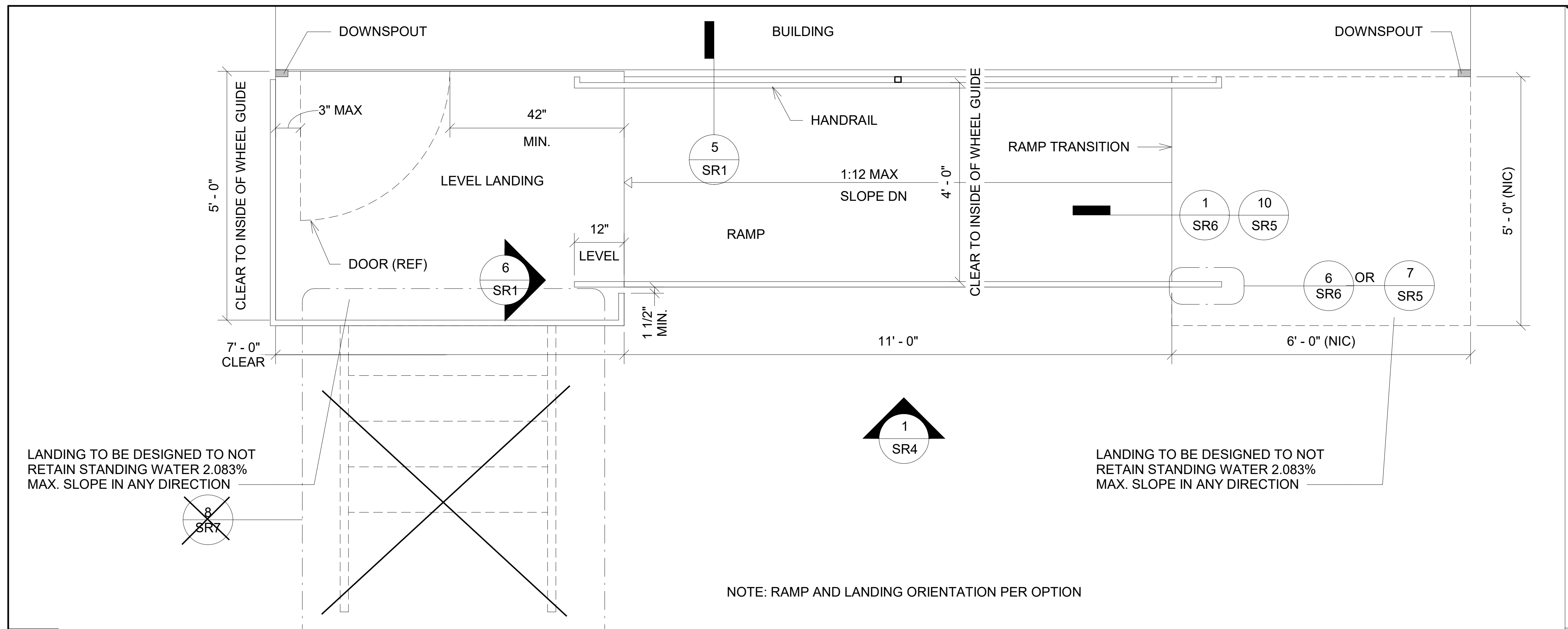
CHECKED BY
JA/RT

DATE
2016/03/02

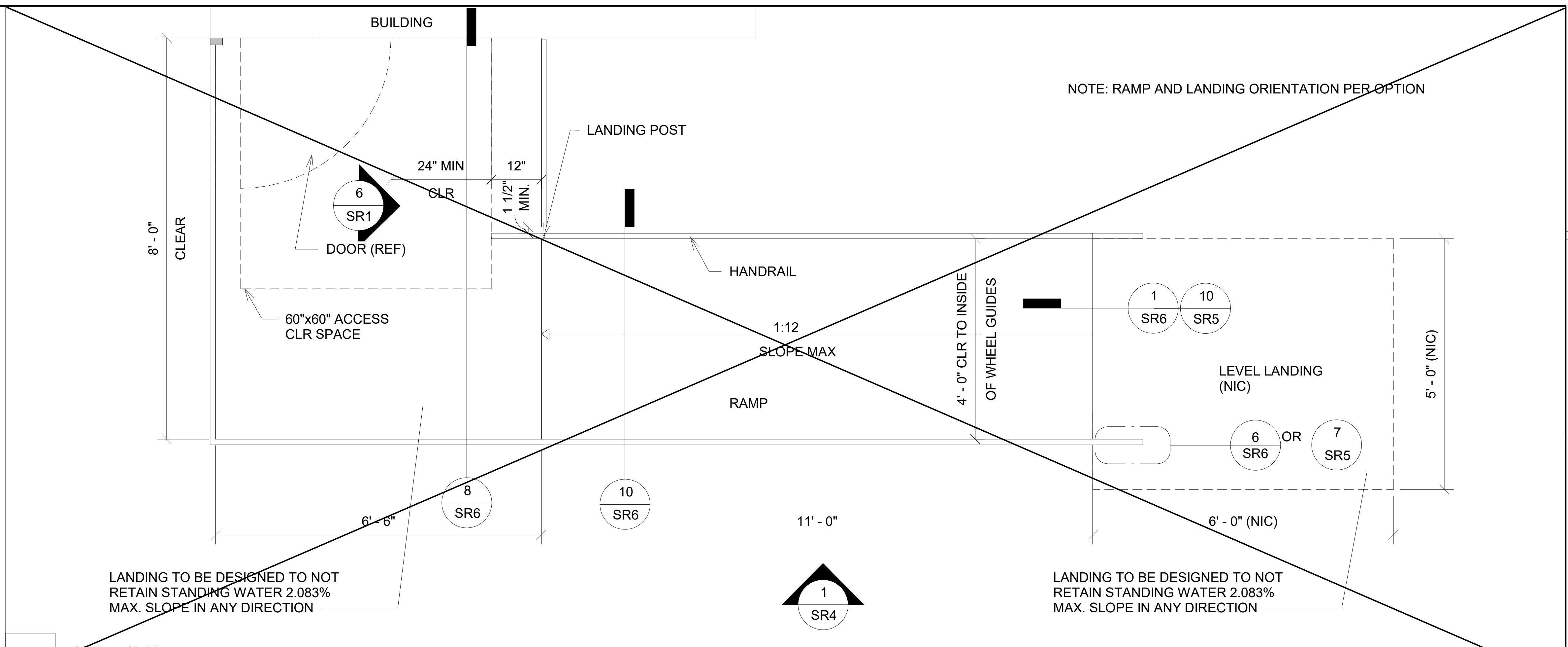
SHEET NO.
S5.1

SHEET OF SHEETS

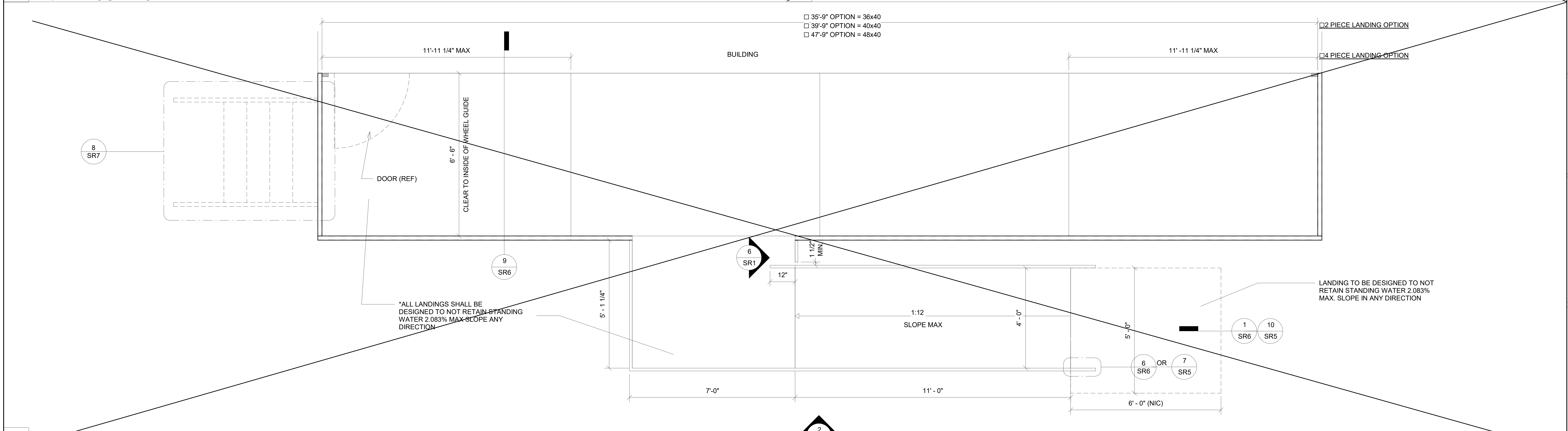
ADDENDUM


DOWNSPOUT
BUILDING
DOWNSPOUT
3" MAX
42"
MIN.
HANDRAIL
RAMP TRANSITION
5
SR1
LEVEL LANDING
1:12 MAX
SLOPE DN
4' - 0"
5' - 0"
CLEAR TO INSIDE OF WHEEL GUIDE
CLEAR TO INSIDE OF WHEEL GUIDE
5' - 0" (NIC)
1 SR6
10 SR5
RAMP
12"
LEVEL
DOOR (REF)
6 SR1
6 SR6 OR 7 SR5
1 1/2" MIN.
7' - 0"
CLEAR
11' - 0"
6' - 0" (NIC)
1 SR4
LANDING TO BE DESIGNED TO NOT RETAIN STANDING WATER 2.083% MAX. SLOPE IN ANY DIRECTION
LANDING TO BE DESIGNED TO NOT RETAIN STANDING WATER 2.083% MAX. SLOPE IN ANY DIRECTION
8 SR7
NOTE: RAMP AND LANDING ORIENTATION PER OPTION

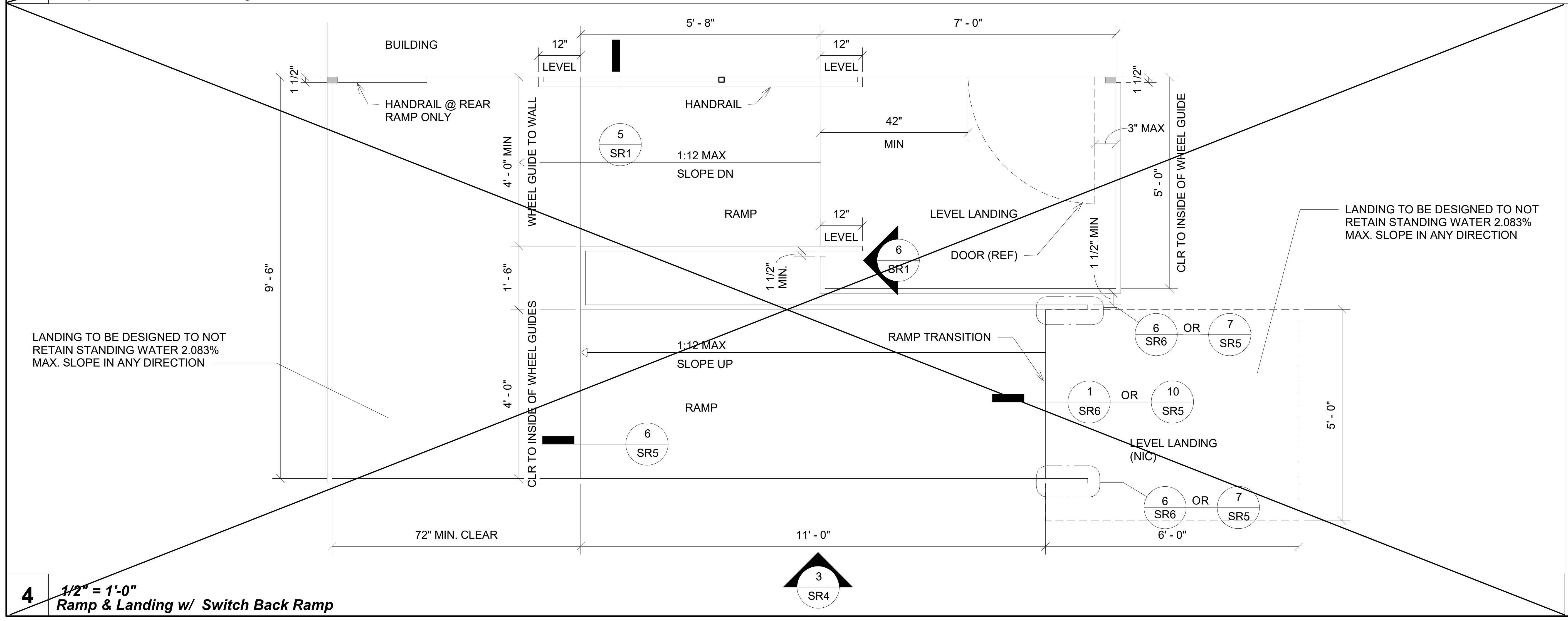
1 **1/2" = 1'-0"**
Ramp & Landing @ Building


BUILDING
NOTE: RAMP AND LANDING ORIENTATION PER OPTION
LANDING POST
24" MIN
CLR
12"
1 1/2" MIN.
6 SR1
8' - 0"
CLEAR
DOOR (REF)
HANDRAIL
4' - 0" CLR TO INSIDE OF WHEEL GUIDES
1 SR6
10 SR5
60"x60" ACCESS CLR SPACE
1:12
SLOPE MAX
LEVEL LANDING (NIC)
5' - 0" (NIC)
RAMP
6 SR6 OR 7 SR5
8 SR6
10 SR6
6' - 6"
11' - 0"
6' - 0" (NIC)
LANDING TO BE DESIGNED TO NOT RETAIN STANDING WATER 2.083% MAX. SLOPE IN ANY DIRECTION
1 SR4
LANDING TO BE DESIGNED TO NOT RETAIN STANDING WATER 2.083% MAX. SLOPE IN ANY DIRECTION

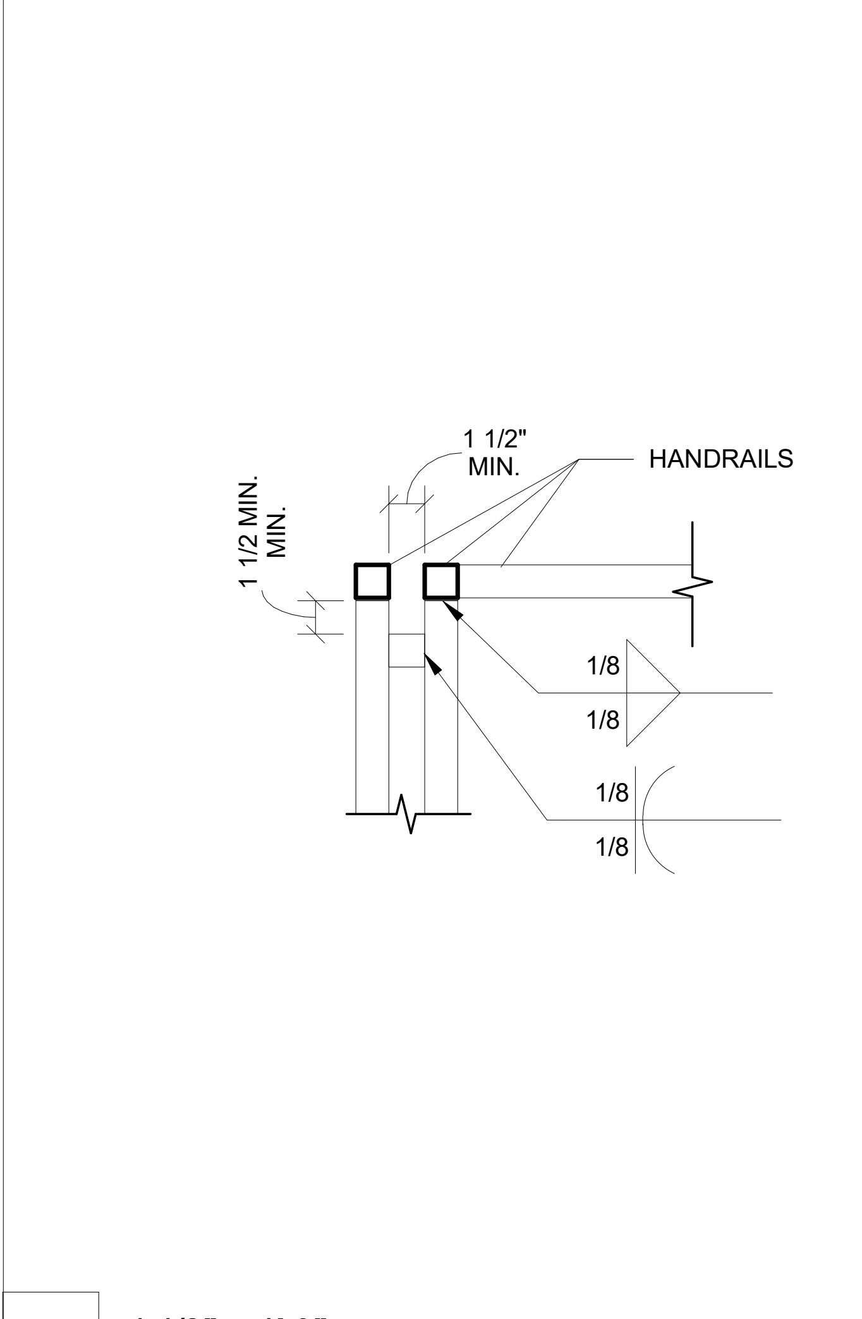
2 **1/2" = 1'-0"**
Ramp & Landing w/ Offset Ramp



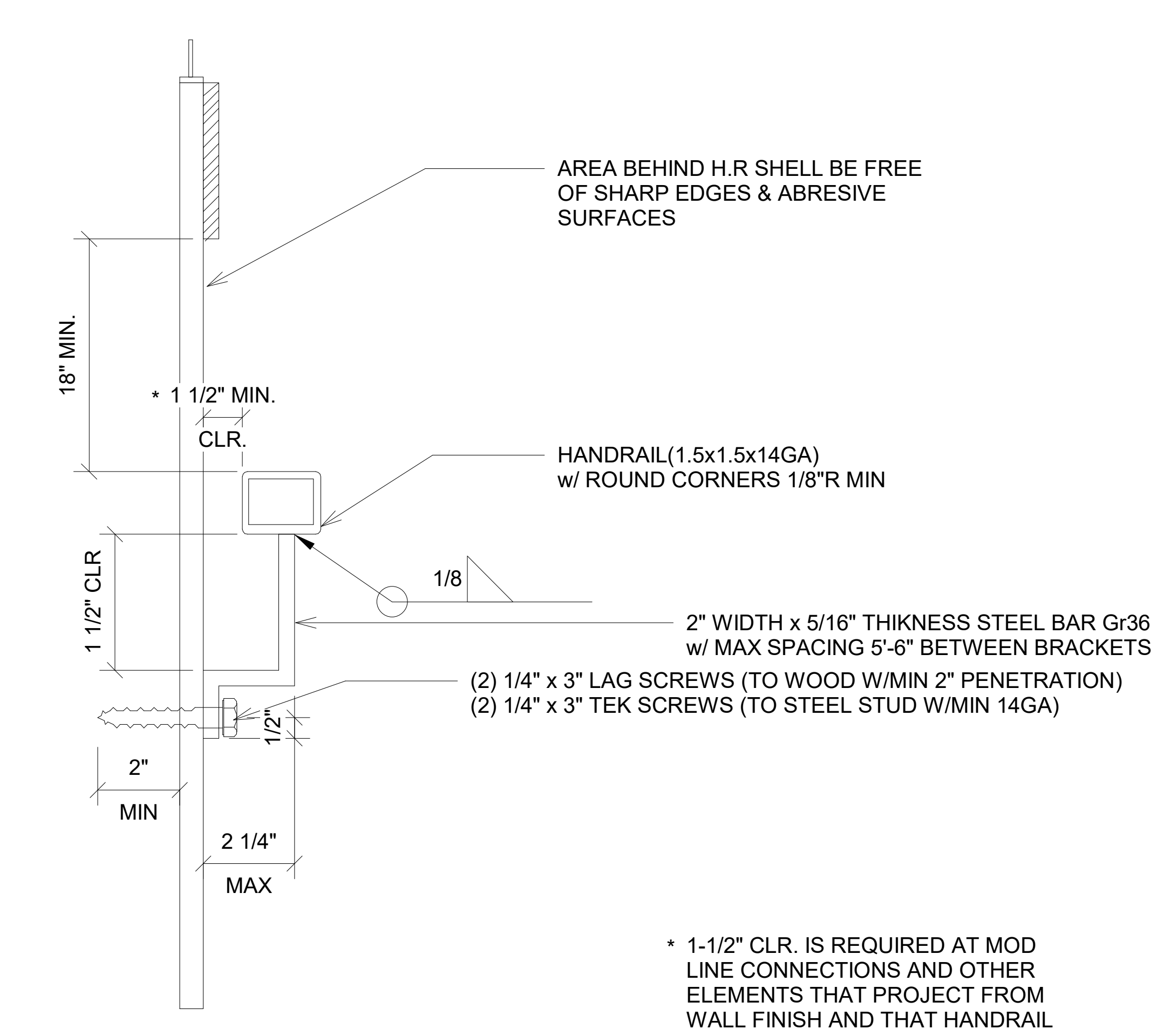
3 **1/2" = 1'-0"**
Ramp and Platform Landing



4 **1/2" = 1'-0"**
Ramp & Landing w/ Switch Back Ramp



6 **1 1/2" = 1'-0"**
RAMP & LANDING CONNECTION @ RAILS


AREA BEHIND H.R SHELL BE FREE OF SHARP EDGES & ABRESIVE SURFACES
18" MIN.
* 1 1/2" MIN.
CLR.
HANDRAIL(1.5x1.5x14GA) w/ ROUND CORNERS 1/8"R MIN
1/8
1 1/2" CLR
2" WIDTH x 5/16" THIKNESS STEEL BAR Gr36 w/ MAX SPACING 5'-6" BETWEEN BRACKETS
(2) 1/4" x 3" LAG SCREWS (TO WOOD W/MIN 2" PENETRATION)
(2) 1/4" x 3" TEK SCREWS (TO STEEL STUD W/MIN 14GA)
1/2"
2"
MIN
2 1/4"
MAX
* 1-1/2" CLR. IS REQUIRED AT MOD LINE CONNECTIONS AND OTHER ELEMENTS THAT PROJECT FROM WALL FINISH AND THAT HANDRAIL MUST BE CONTINUOUS (CANNOT CURVE AROUND PROJECTION)

5 **3" = 1'-0"**
Handrail

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
No. S3380
Exp. 03/31/26
STRUCTURAL
STATE OF CALIFORNIA

9.13.2024

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

Class Leasing
1651 SOUTH JUANITA STREET
SAN JACINTO CA. 92583
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123741 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/19/2024

Revision Schedule

#	Description	Date

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE
Ramp and Landing Plan

PROJECT NUMBER
20093

DRAWN BY
SM

CHECKED BY
rMc

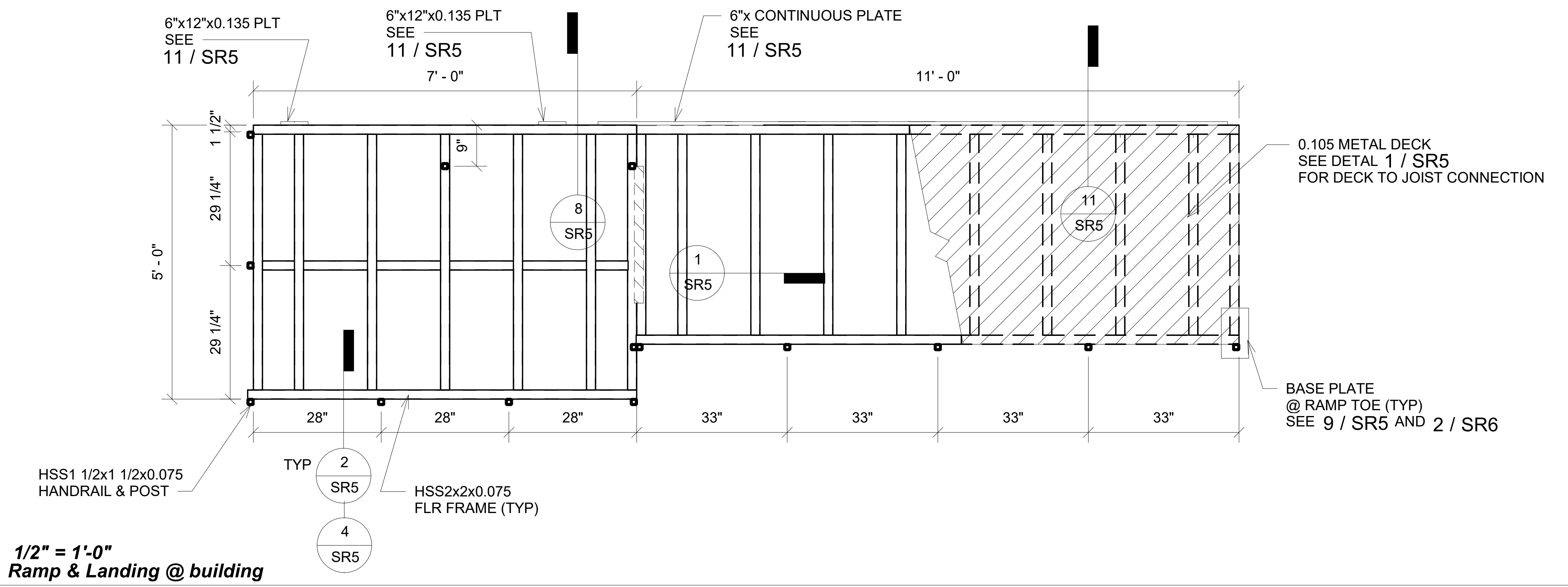
DATE
6/15/2021

SHEET NO.
SR1

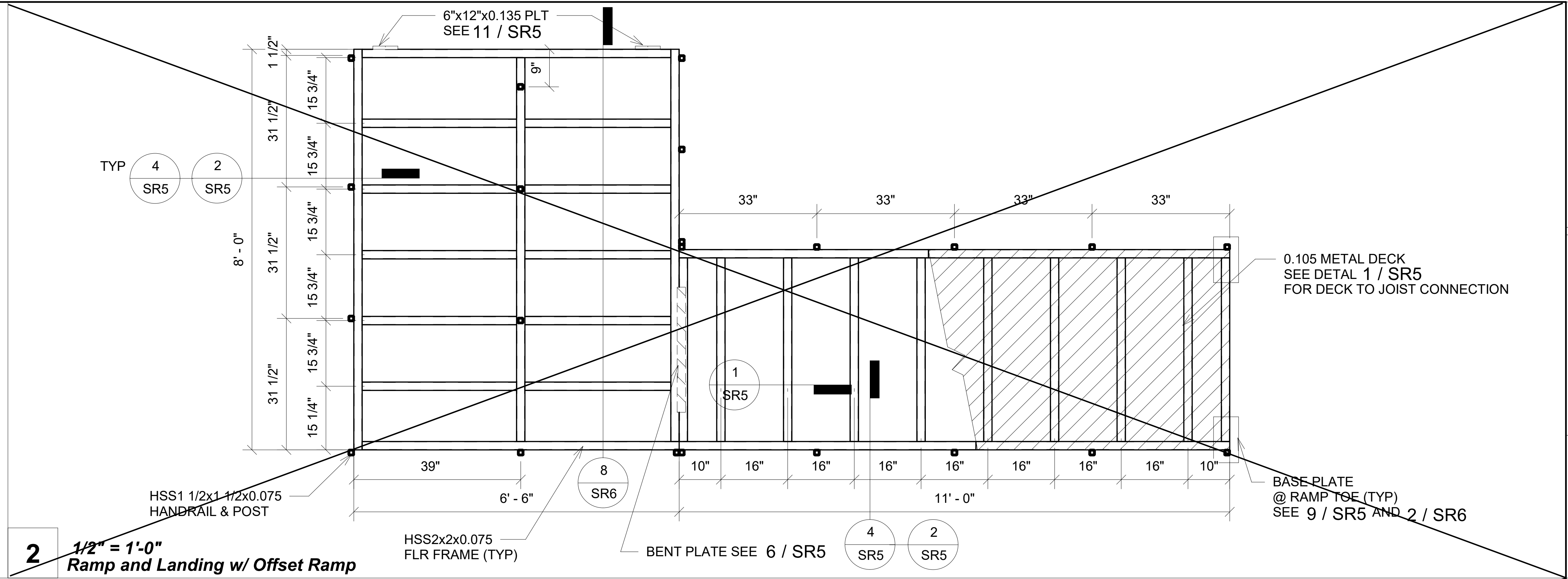
ADDENDUM

M:\2024\24129 - Class Leasing, Class Leasing Universal Ramps and Stair 2022 PC V2\REVIT\RST#24129 - Ramps and Stairs PC_ Main File.rvt

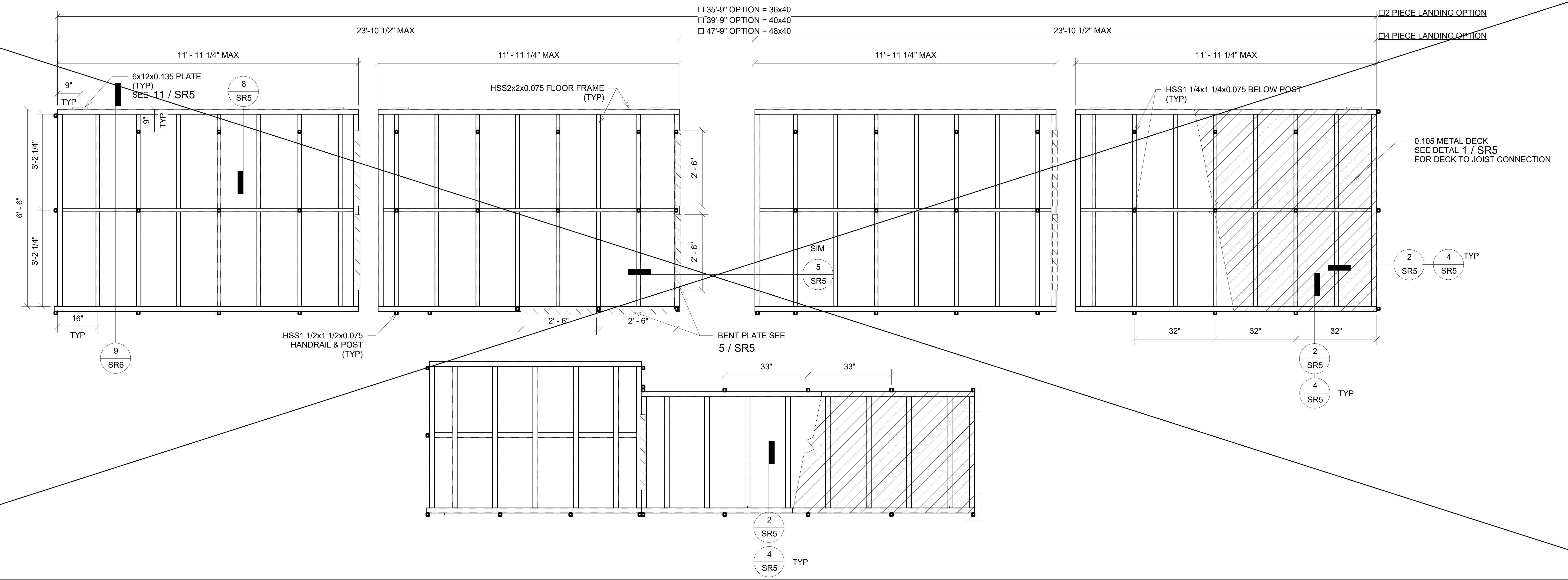
9/13/2024 11:56:56 AM


6"x12"x0.135 PLT SEE 11 / SR5
6"x12"x0.135 PLT SEE 11 / SR5
6"x CONTINUOUS PLATE SEE 11 / SR5
7' - 0"
11' - 0"
0.105 METAL DECK SEE DETAL 1 / SR5 FOR DECK TO JOIST CONNECTION
1 1/2"
29 1/4"
5' - 0"
29 1/4"
9"
8 SR5
11 SR5
1 SR5
BASE PLATE @ RAMP TOE (TYP) SEE 9 / SR5 AND 2 / SR6
28"
28"
28"
33"
33"
33"
33"
HSS1 1/2x1 1/2x0.075 HANDRAIL & POST
TYP 2 SR5
4 SR5
HSS2x2x0.075 FLR FRAME (TYP)

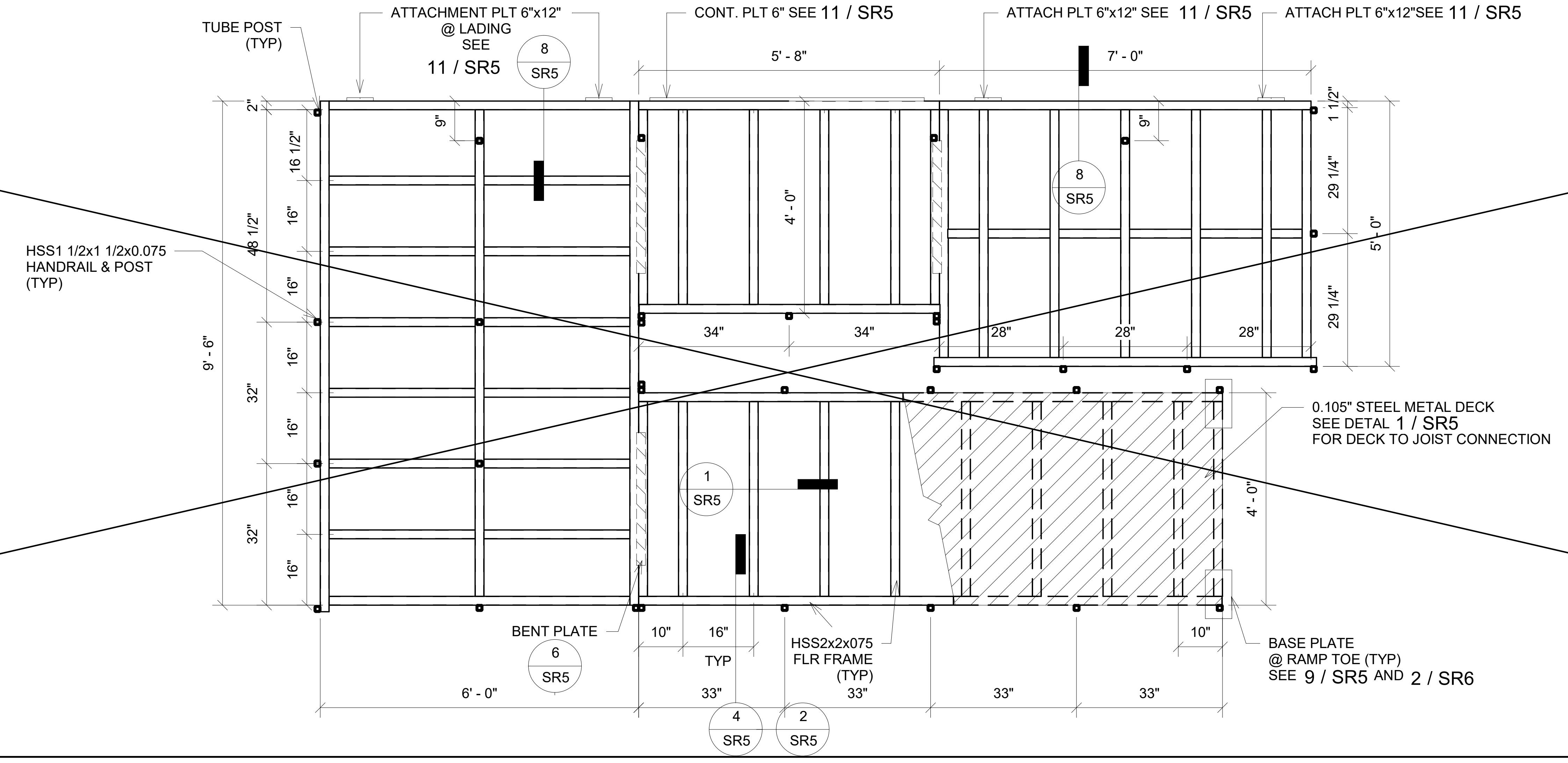
1 *1/2" = 1'-0"*
Ramp & Landing @ building


6"x12"x0.135 PLT SEE 11 / SR5
1 1/2"
31 1/2"
15 3/4"
15 3/4"
9"
31 1/2"
15 3/4"
8' - 0"
15 3/4"
31 1/2"
15 3/4"
15 1/4"
TYP 4 SR5 2 SR5
33"
33"
33"
33"
0.105 METAL DECK SEE DETAL 1 / SR5 FOR DECK TO JOIST CONNECTION
1 SR5
39"
6' - 6"
8 SR6
10"
16"
16"
16"
16"
16"
16"
10"
11' - 0"
HSS1 1/2x1 1/2x0.075 HANDRAIL & POST
HSS2x2x0.075 FLR FRAME (TYP)
BENT PLATE SEE 6 / SR5
4 SR5
2 SR5
BASE PLATE @ RAMP TOE (TYP) SEE 9 / SR5 AND 2 / SR6

2 *1/2" = 1'-0"*
Ramp and Landing w/ Offset Ramp



3 *1/2" = 1'-0"*
Ramp & Platform Landing Frame


TUBE POST (TYP)
ATTACHMENT PLT 6"x12" @ LADING SEE 11 / SR5
8 SR5
CONT. PLT 6" SEE 11 / SR5
ATTACH PLT 6"x12" SEE 11 / SR5
ATTACH PLT 6"x12"SEE 11 / SR5
5' - 8"
7' - 0"
2"
16 1/2"
9"
48 1/2"
16"
16"
9' - 6"
16"
32"
16"
32"
16"
16"
4' - 0"
8 SR5
9"
1 1/2"
29 1/4"
5' - 0"
29 1/4"
34"
34"
28"
28"
28"
HSS1 1/2x1 1/2x0.075 HANDRAIL & POST (TYP)
0.105" STEEL METAL DECK SEE DETAL 1 / SR5 FOR DECK TO JOIST CONNECTION
1 SR5
4' - 0"
BENT PLATE 6 SR5
10"
16"
TYP
HSS2x2x075 FLR FRAME (TYP)
10"
BASE PLATE @ RAMP TOE (TYP) SEE 9 / SR5 AND 2 / SR6
6' - 0"
33"
33"
33"
33"
4 SR5
2 SR5

4 *1/2" = 1'-0"*
Ramp & Landing w/ Switch Back Ramp

9/13/2024 11:56:56 AM M:\2024\24129 - Class Leasing, Class Leasing Universal Ramps and Stair 2022 PC V2\REVIT\RST#24129 - Ramps and Stairs PC_ Main File.rvt

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

MANNY D. FRISCH
No. S3380
Exp. 03/31/26

9.13.2024

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

Class Leasing
1651 SOUTH JUANITA STREET
SAN JACINTO CA. 92583
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123741 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/19/2024

Revision Schedule		
#	Description	Date

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE
Ramp and Landing Framing

PROJECT NUMBER
20093

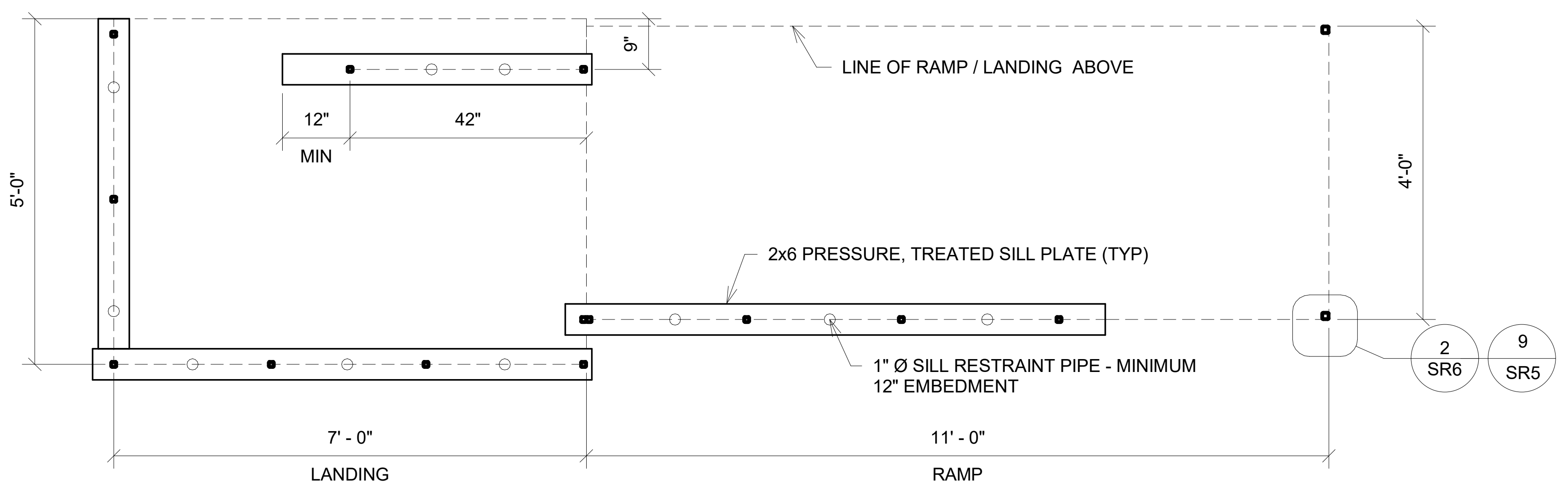
DRAWN BY
SM

CHECKED BY
BR/rMc

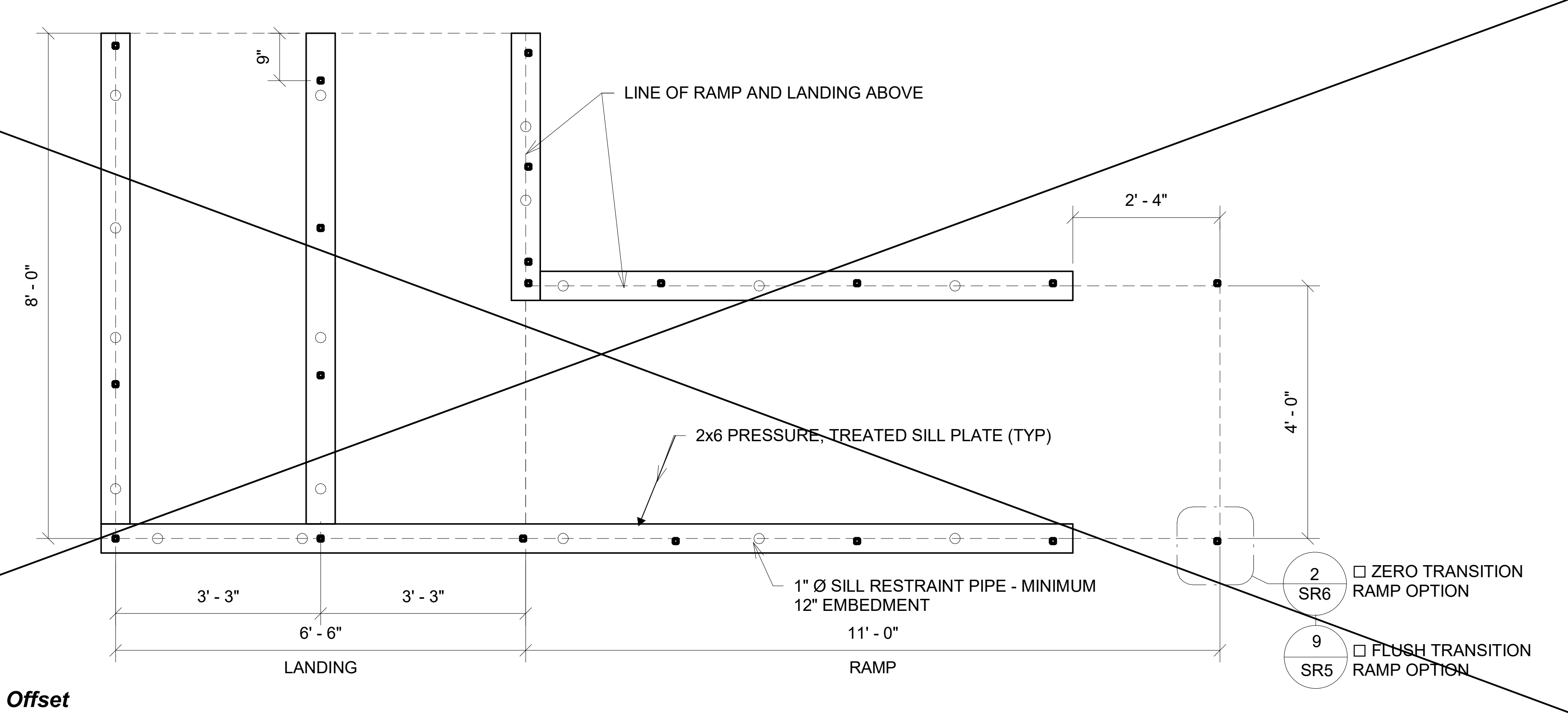
DATE
6/15/2021

SHEET NO.
SR2

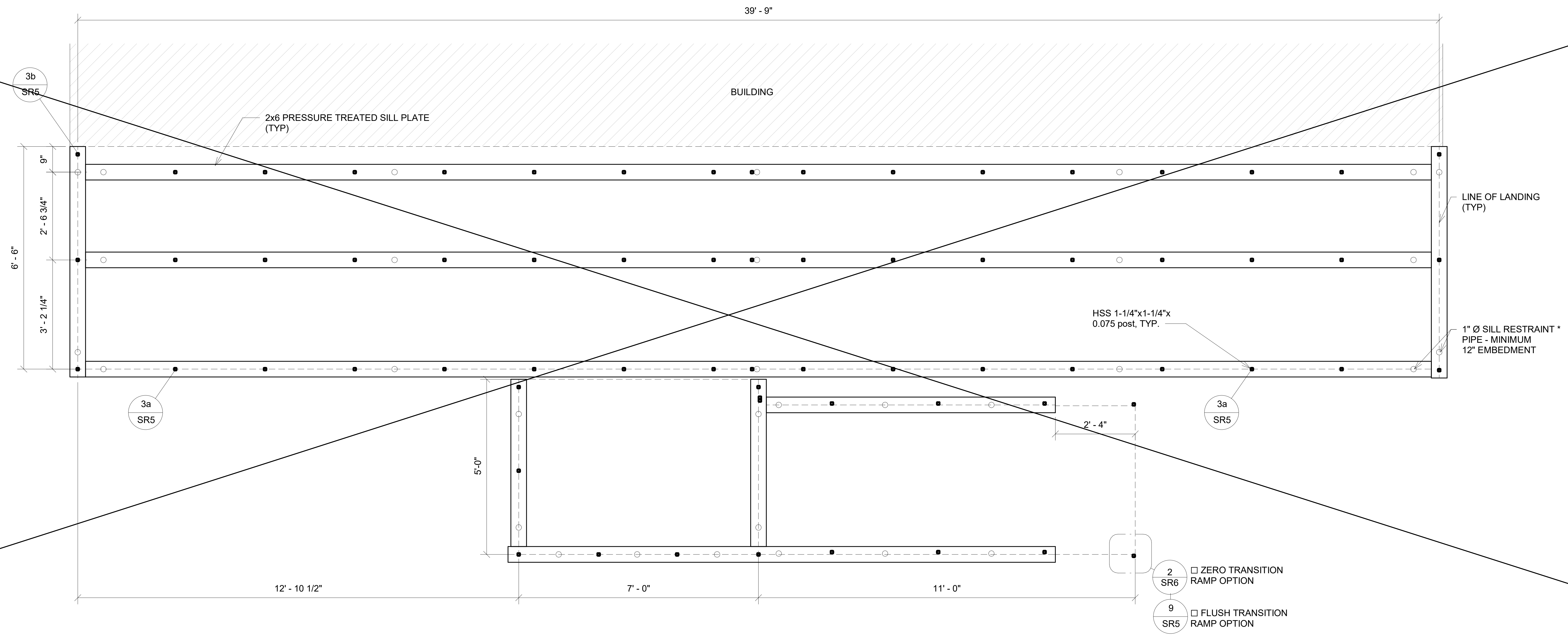
ADDENDUM


5'-0"
9"
12"
42"
MIN
LINE OF RAMP / LANDING ABOVE
4'-0"
2x6 PRESSURE, TREATED SILL PLATE (TYP)
1" Ø SILL RESTRAINT PIPE - MINIMUM 12" EMBEDMENT
2 SR6
9 SR5
7' - 0"
LANDING
11' - 0"
RAMP

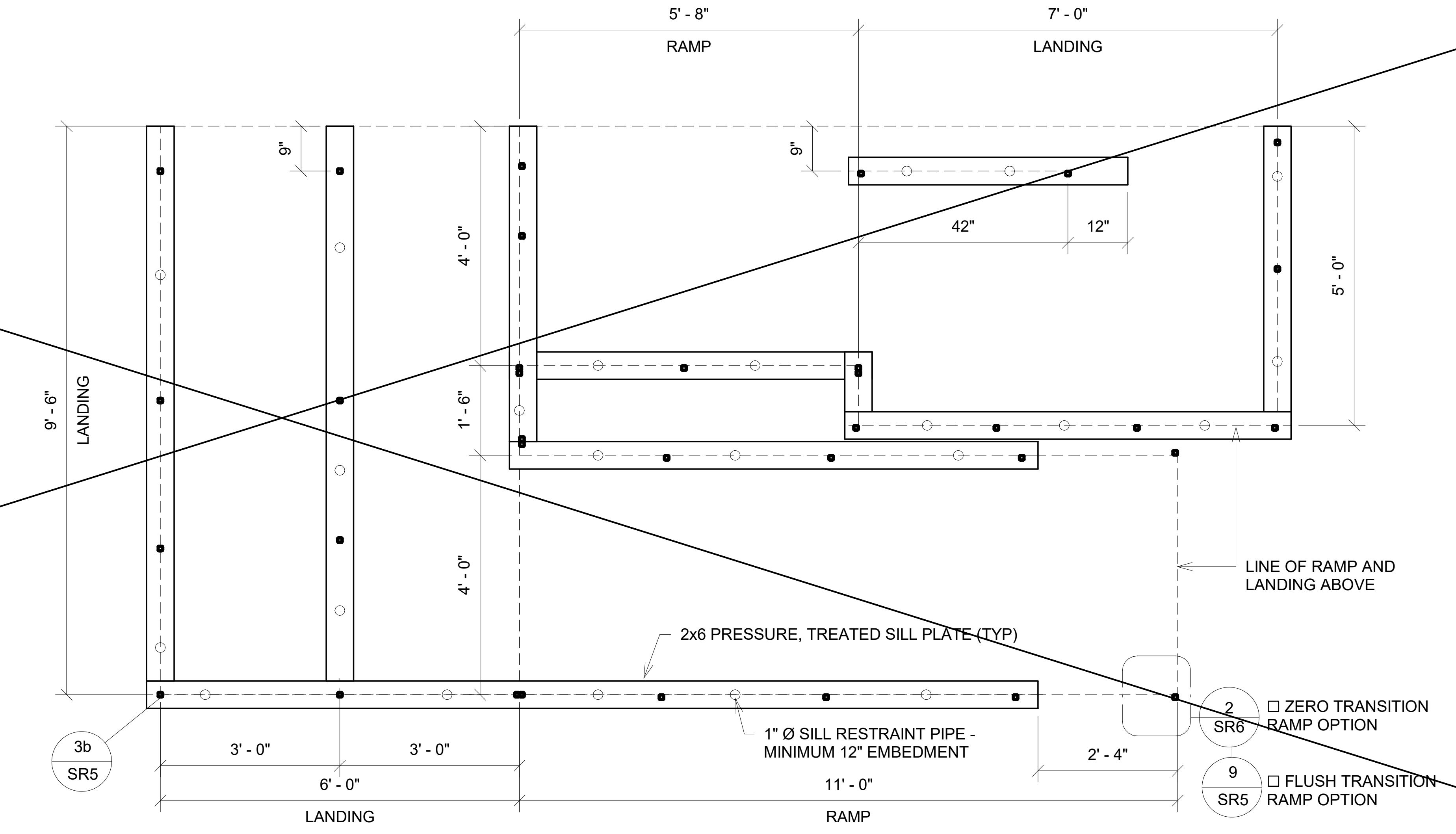
1 1/2" = 1'-0"
Sill Plan For Ramp & Landing


9"
8' - 0"
LINE OF RAMP AND LANDING ABOVE
2' - 4"
4' - 0"
2x6 PRESSURE, TREATED SILL PLATE (TYP)
1" Ø SILL RESTRAINT PIPE - MINIMUM 12" EMBEDMENT
3' - 3"
3' - 3"
6' - 6"
LANDING
11' - 0"
RAMP
2 SR6
☐ ZERO TRANSITION RAMP OPTION
9 SR5
☐ FLUSH TRANSITION RAMP OPTION

2 1/2" = 1'-0"
Sill Plan For Ramp & Landing Offset


39' - 9"
BUILDING
3b SR5
2x6 PRESSURE TREATED SILL PLATE (TYP)
9"
2' - 6 3/4"
6' - 6"
3' - 2 1/4"
LINE OF LANDING (TYP)
HSS 1-1/4"x1-1/4"x 0.075 post, TYP.
1" Ø SILL RESTRAINT * PIPE - MINIMUM 12" EMBEDMENT
3a SR5
3a SR5
2' - 4"
5'-0"
2 SR6
☐ ZERO TRANSITION RAMP OPTION
9 SR5
☐ FLUSH TRANSITION RAMP OPTION
12' - 10 1/2"
7' - 0"
11' - 0"

3 1/2" = 1'-0"
Platform Sill Plan For Ramp & Landing


5' - 8"
RAMP
7' - 0"
LANDING
9"
9"
42"
12"
4' - 0"
5' - 0"
9' - 6"
LANDING
1' - 6"
4' - 0"
LINE OF RAMP AND LANDING ABOVE
2x6 PRESSURE, TREATED SILL PLATE (TYP)
1" Ø SILL RESTRAINT PIPE - MINIMUM 12" EMBEDMENT
3b SR5
3' - 0"
3' - 0"
6' - 0"
LANDING
11' - 0"
RAMP
2' - 4"
2 SR6
☐ ZERO TRANSITION RAMP OPTION
9 SR5
☐ FLUSH TRANSITION RAMP OPTION

4 1/2" = 1'-0"
Sill Plan For Ramp & Landing Switchback

* "RESTRAINING PIPES / RODS SPECS"
ONE INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL 0.0) HOT DIPPED GALVANIZED PIPES OR ONE INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" o/c.
ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATION STRIP.
PIPES SHOULD PENETRATE INTO SOIL AND/OR PAVING A MIN. OF 12" MEASURED VERTICALLY.
PER DSA IR 16-1 MODULAR ELEVATOR TOWERS.

ADDENDUM

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3380
Exp. 03/31/26
STRUCTURAL
STATE OF CALIFORNIA
9.13.2024

CLIENT
Class Leasing
1651 SOUTH JUANITA STREET
SAN JACINTO CA. 92583
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL
APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123741 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/19/2024

Revision Schedule

#	Description	Date

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE
Foundation Plan

PROJECT NUMBER
20093

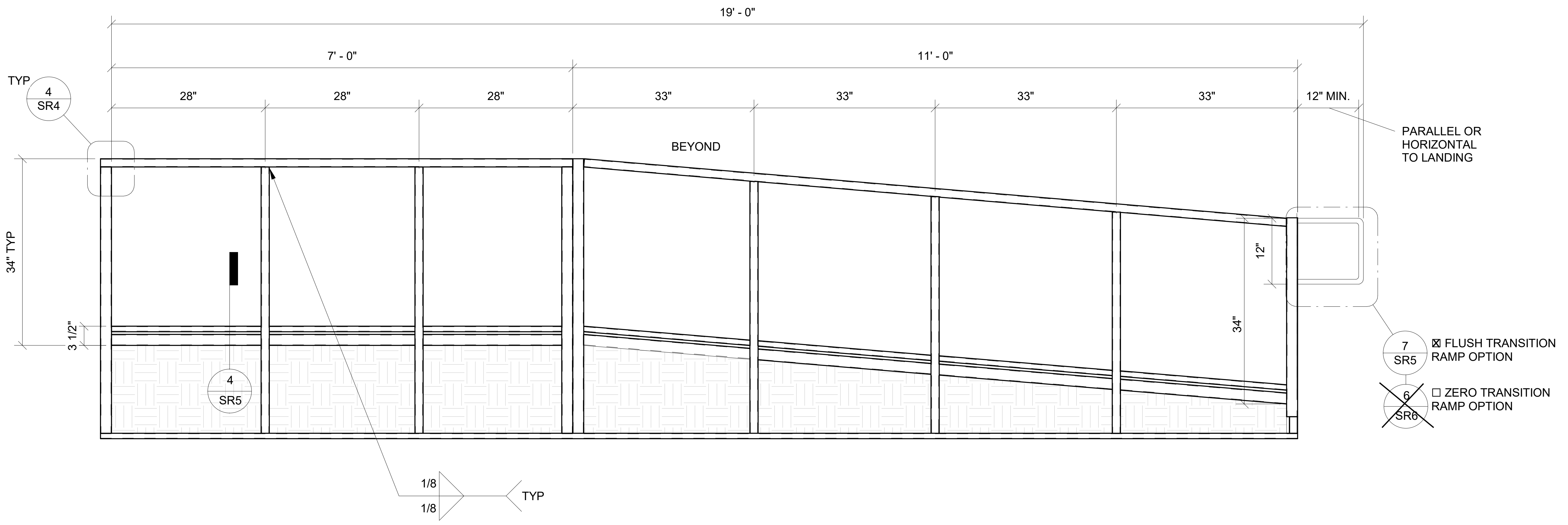
DRAWN BY
SM

CHECKED BY
rMc

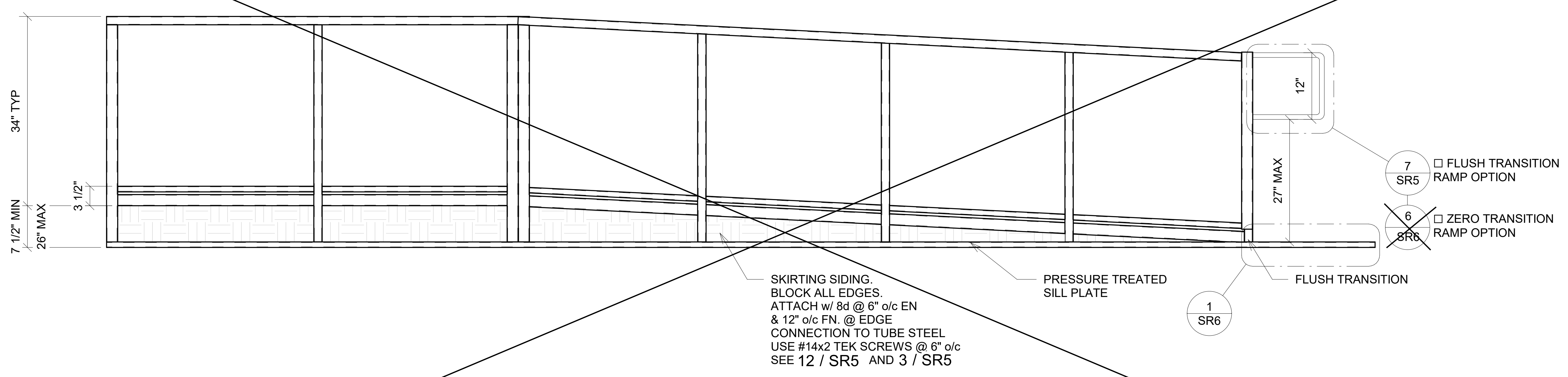
DATE
6/15/2021

SHEET NO.
SR3

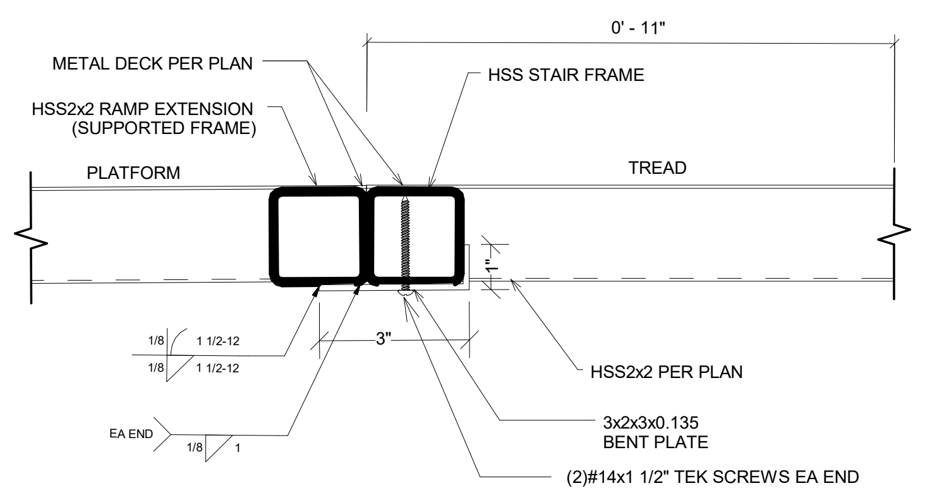
9/13/2024 11:56:56 AM M:\2024\24129 - Class Leasing, Class Leasing Universal Ramps and Stair 2022 PC V2\REVIT\RST#24129 - Ramps and Stairs PC_ Main File.rvt



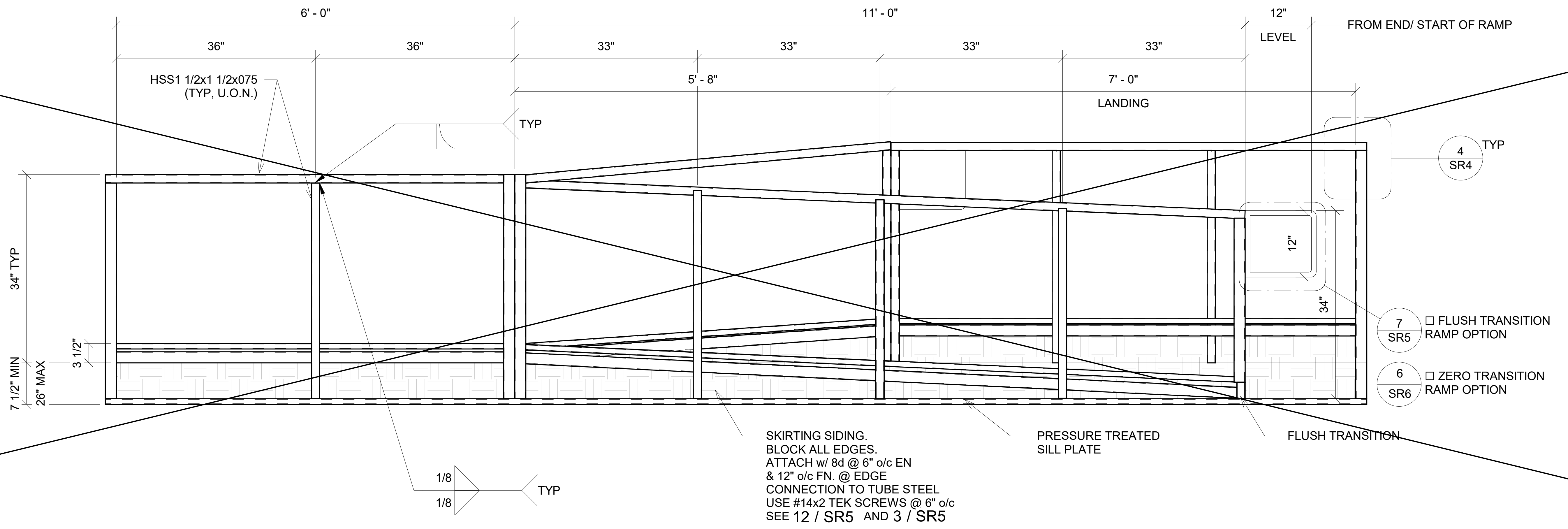
1 *3/4" = 1'-0"*
Ramp & Landing Elevation

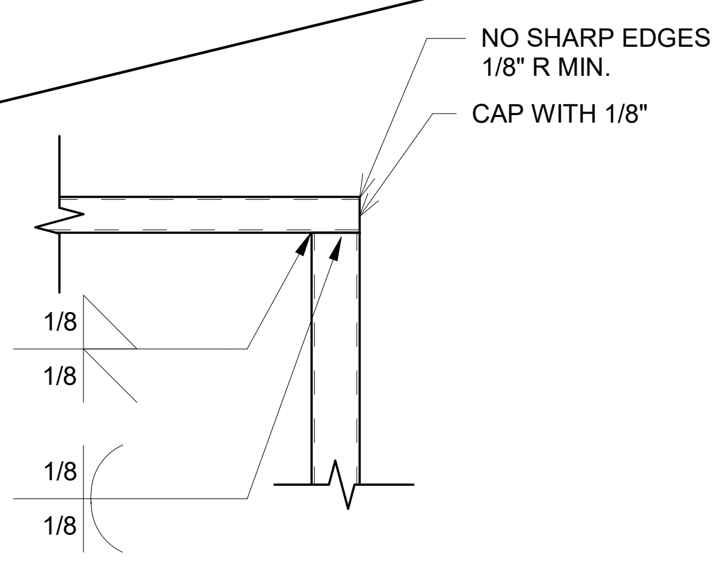


2 *3/4" = 1'-0"*
Ramp & Landing Elevation Option X Copy 1



5 *3" = 1'-0"*
Conn @ Platform





4 *1 1/2" = 1'-0"*
Ramp & Landing Elevation Option X1 - Callout 1

3 *3/4" = 1'-0"*
Ramp & Landing Elevation Option X

M:\2024\24129 - Class Leasing, Class Leasing Universal Ramps and Stair 2022 PC V2\REVIT\RST#24129 - Ramps and Stairs PC_ Main File.rvt

9/13/2024 11:56:56 AM

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W Bernardo Court, Suite 100
San Diego, CA 92127
www.rstavares.com

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
MANNY D. FRISCH
No. S3380
Exp. 03/31/26
STRUCTURAL
STATE OF CALIFORNIA

9.13.2024

CLIENT

Class Leasing
1651 SOUTH JUANITA STREET
SAN JACINTO CA. 92583
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123741 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/19/2024

Revision Schedule

#	Description	Date

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE
Ramp and Landing / Stair Framing Elevation

PROJECT NUMBER
20093

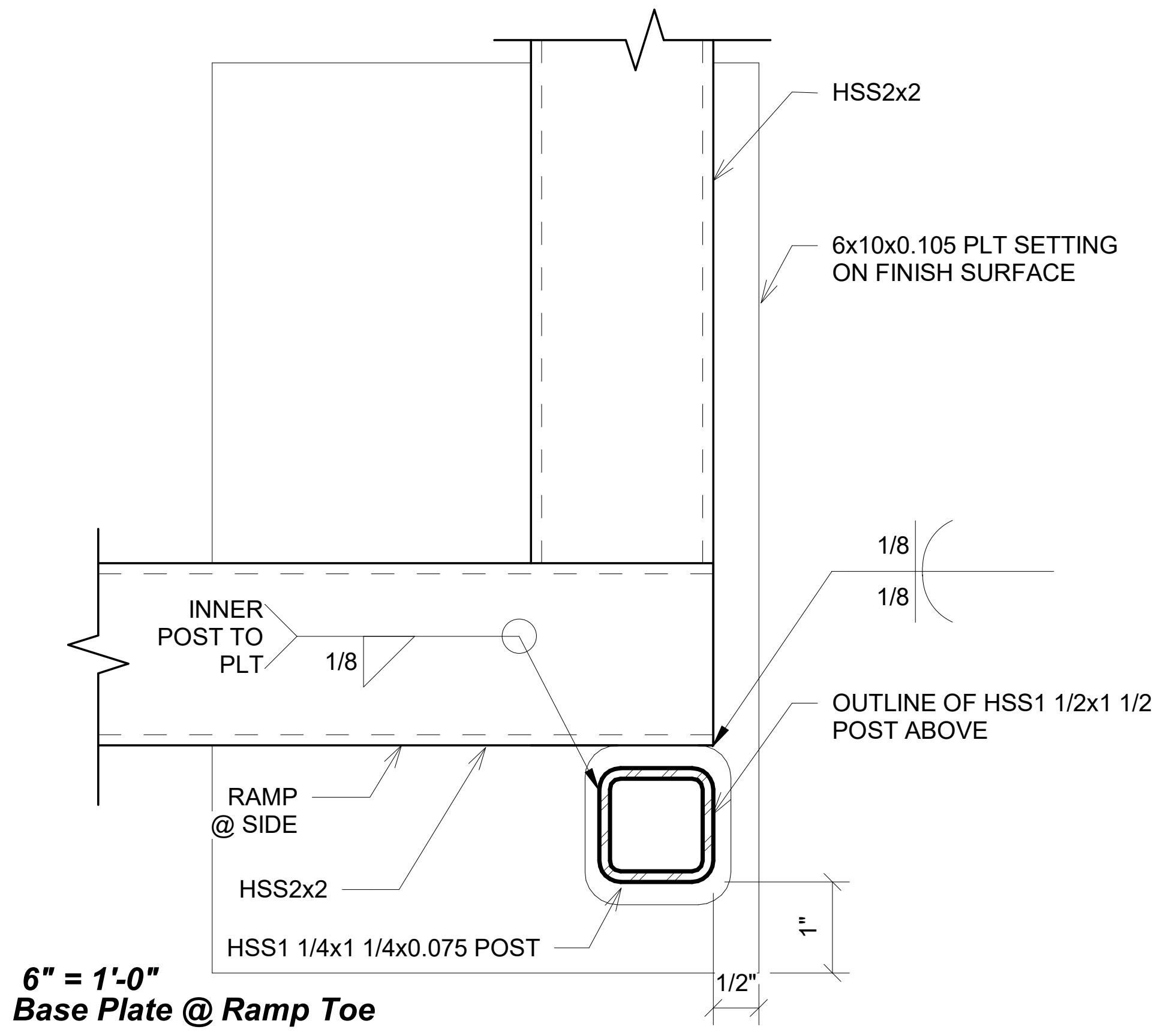
DRAWN BY
SM

CHECKED BY
rMc

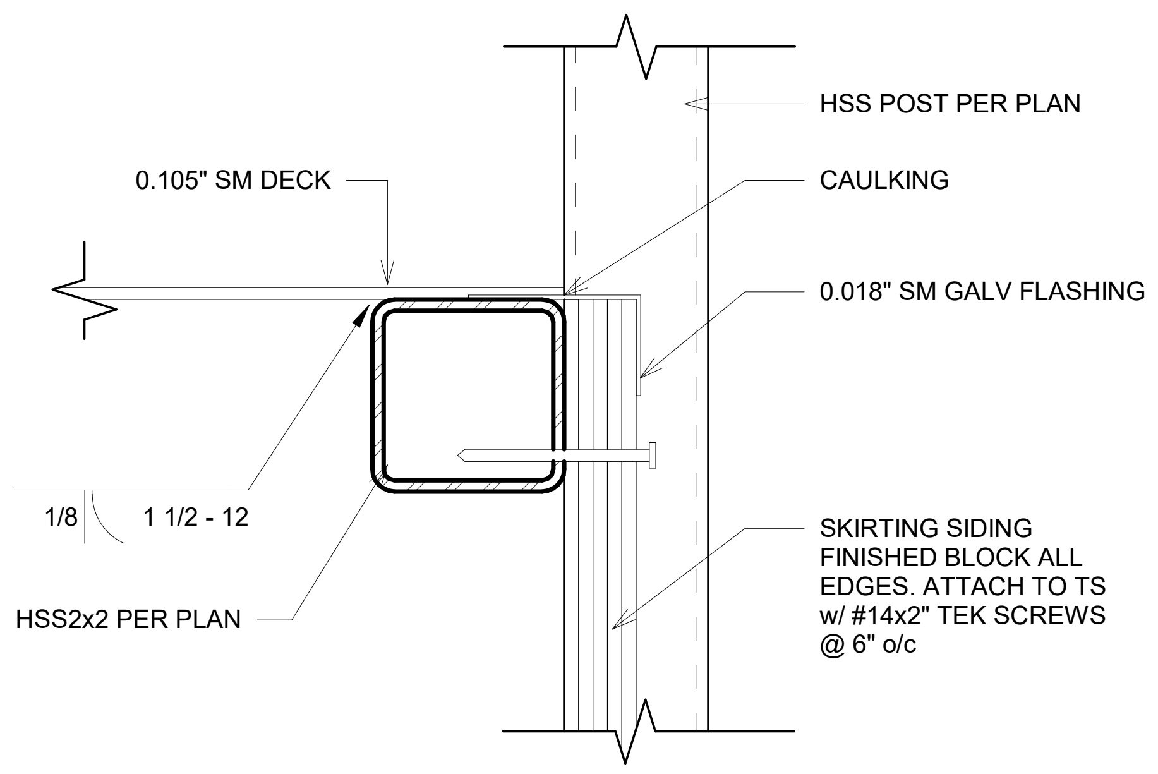
DATE
6/15/2021

SHEET NO.
SR4

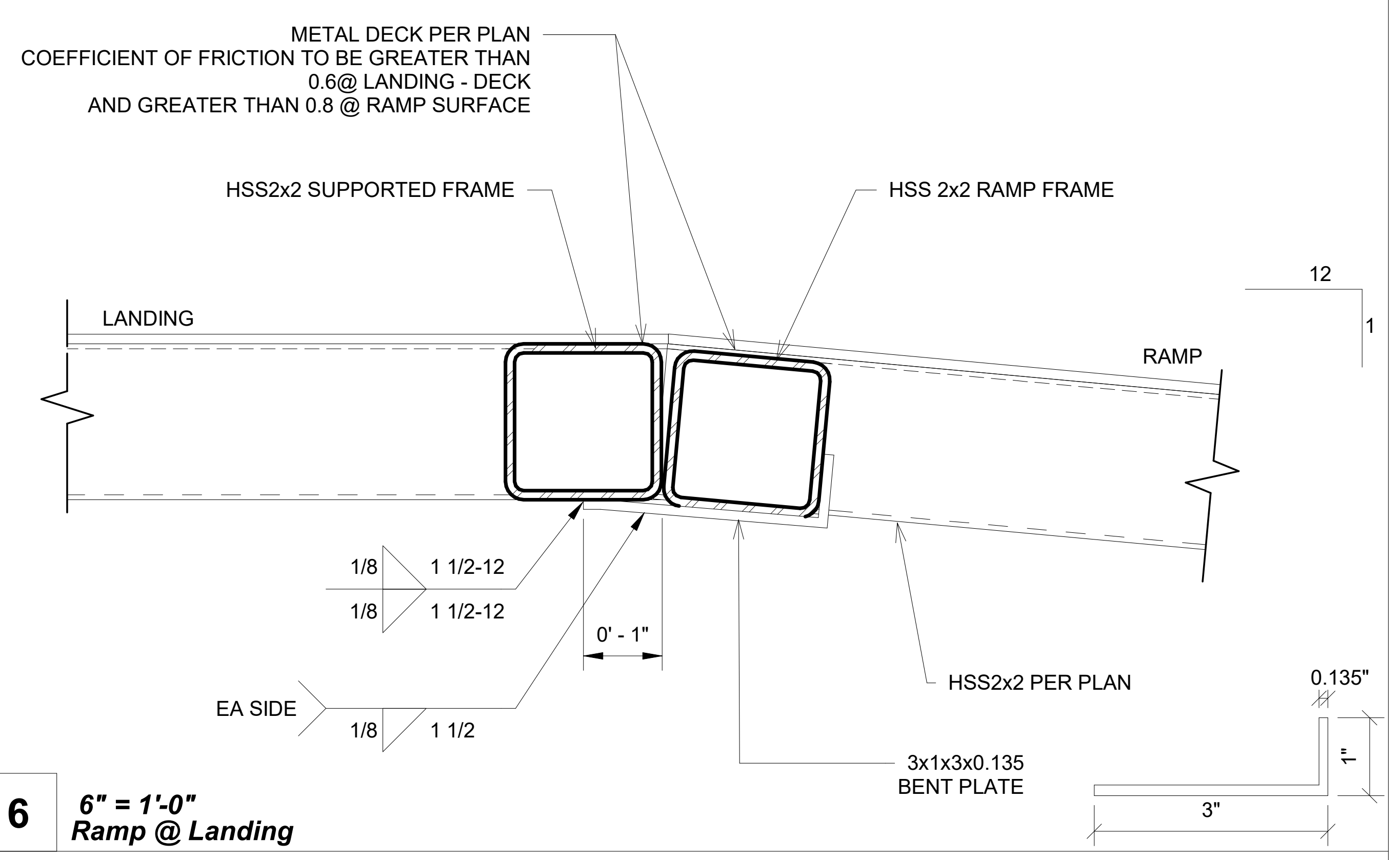
ADDENDUM


HSS2x2
6x10x0.105 PLT SETTING ON FINISH SURFACE
1/8
1/8
INNER POST TO PLT
1/8
OUTLINE OF HSS1 1/2x1 1/2 POST ABOVE
RAMP @ SIDE
HSS2x2
HSS1 1/4x1 1/4x0.075 POST
1"
1/2"

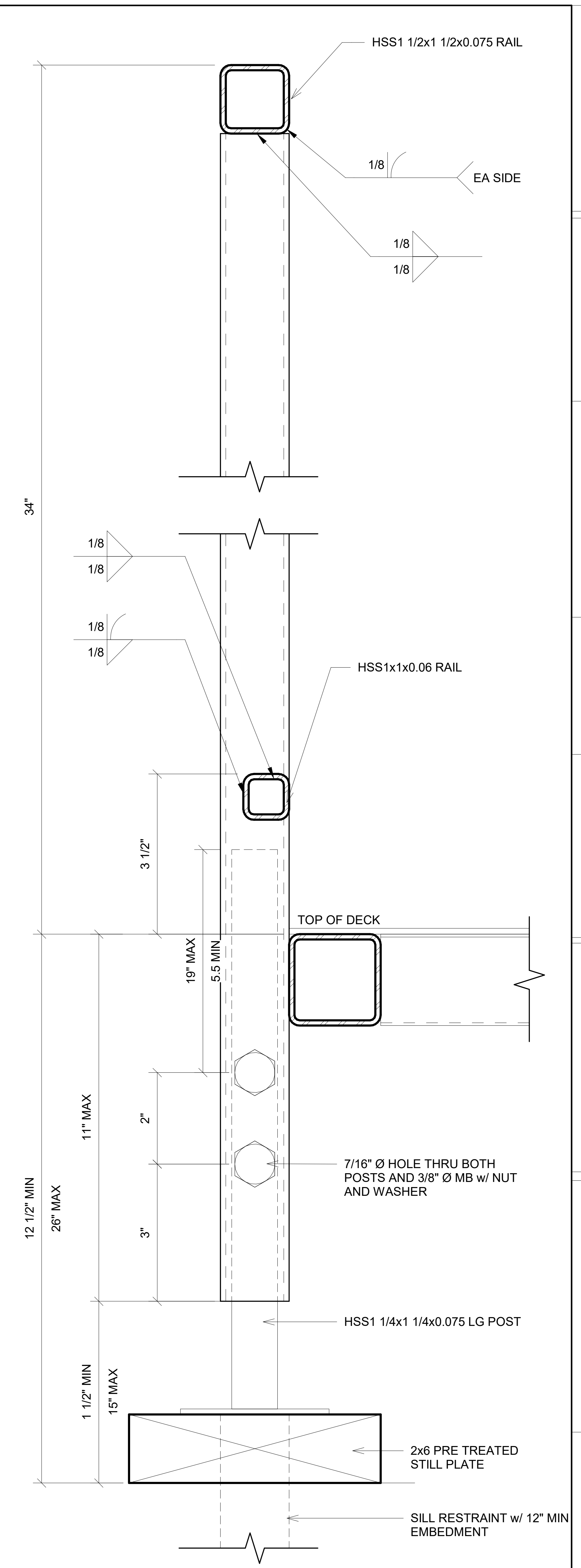
9 *6" = 1'-0"*
Base Plate @ Ramp Toe



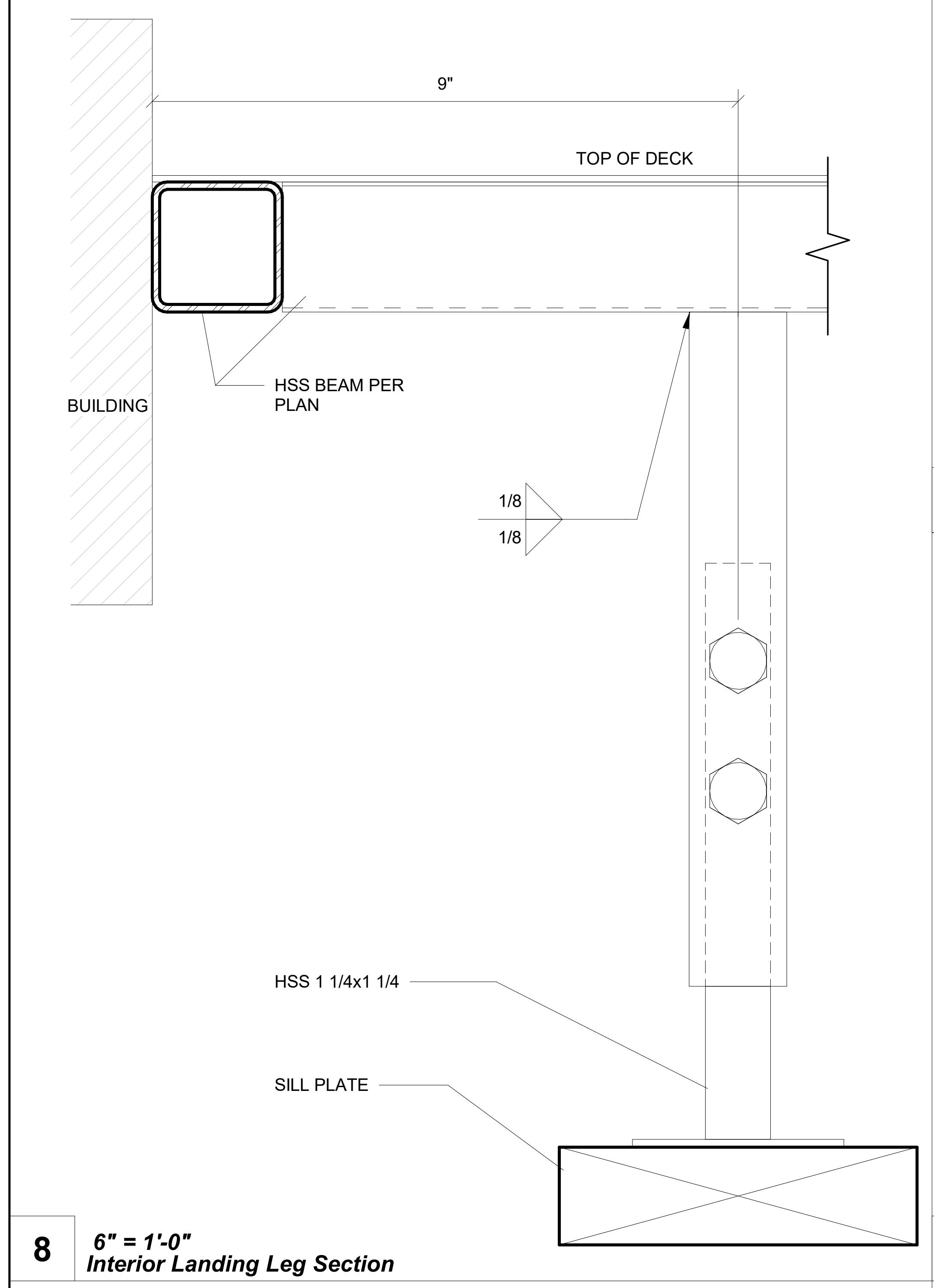
12 *6" = 1'-0"*
Skirt Flashing



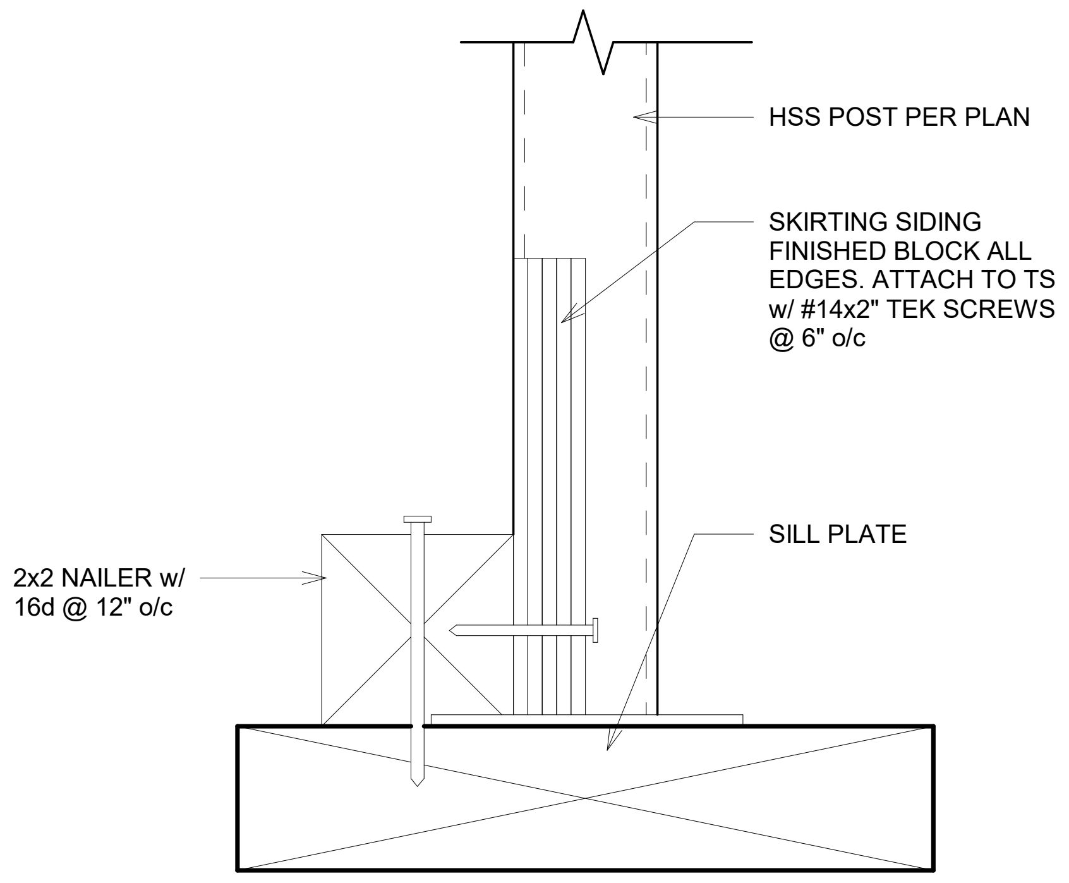
6 *6" = 1'-0"*
Ramp @ Landing


HSS1 1/2x1 1/2x0.075 RAIL
1/8
EA SIDE
1/8
1/8
34"
1/8
1/8
1/8
1/8
HSS1x1x0.06 RAIL
3 1/2"
TOP OF DECK
19" MAX
5.5 MIN
11" MAX
2"
7/16" Ø HOLE THRU BOTH POSTS AND 3/8" Ø MB w/ NUT AND WASHER
12 1/2" MIN
26" MAX
3"
HSS1 1/4x1 1/4x0.075 LG POST
1 1/2" MIN
15" MAX
2x6 PRE TREATED STILL PLATE
SILL RESTRAINT w/ 12" MIN EMBEDMENT

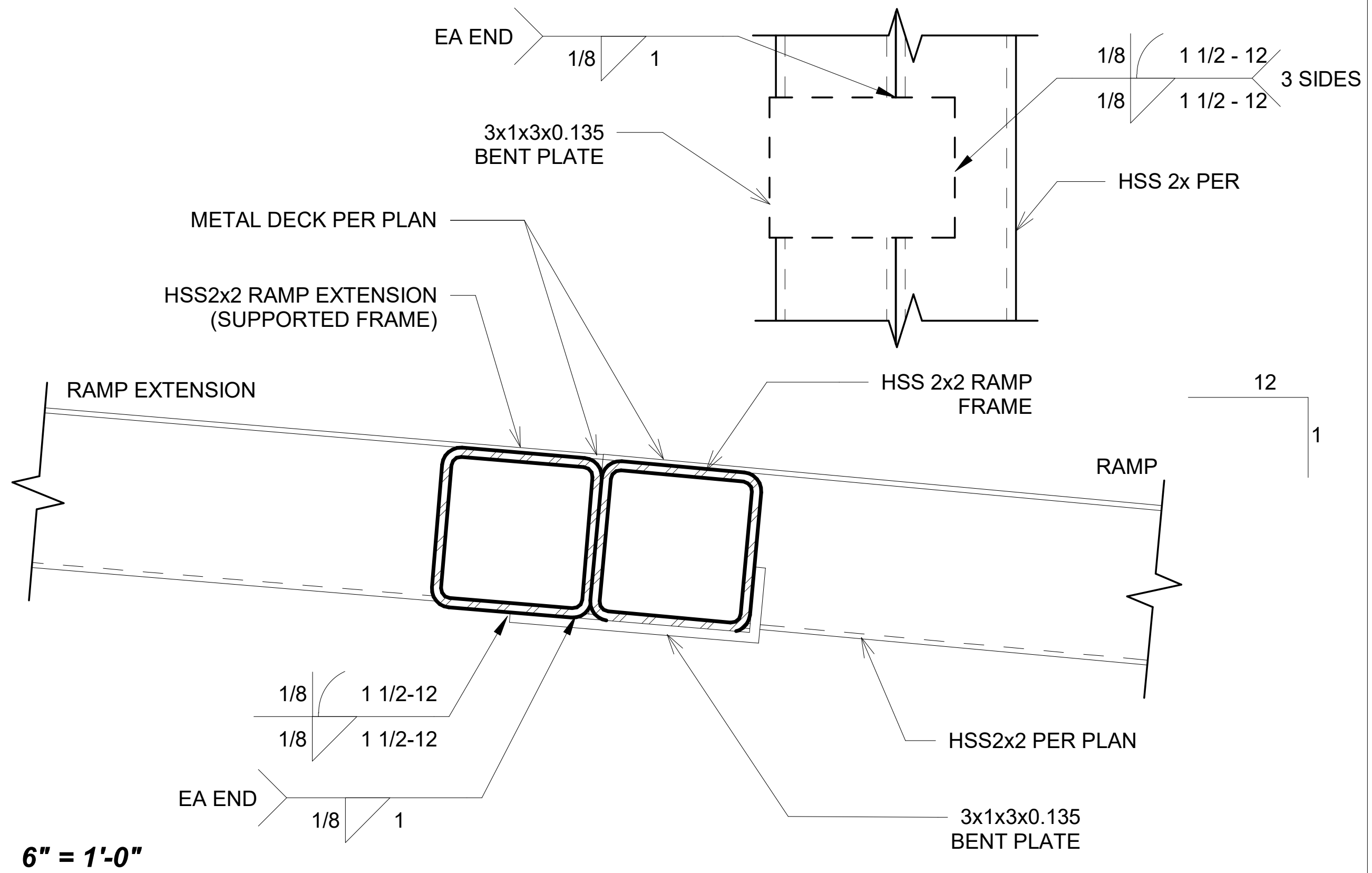
2 *6" = 1'-0"*
Adjustable Leg



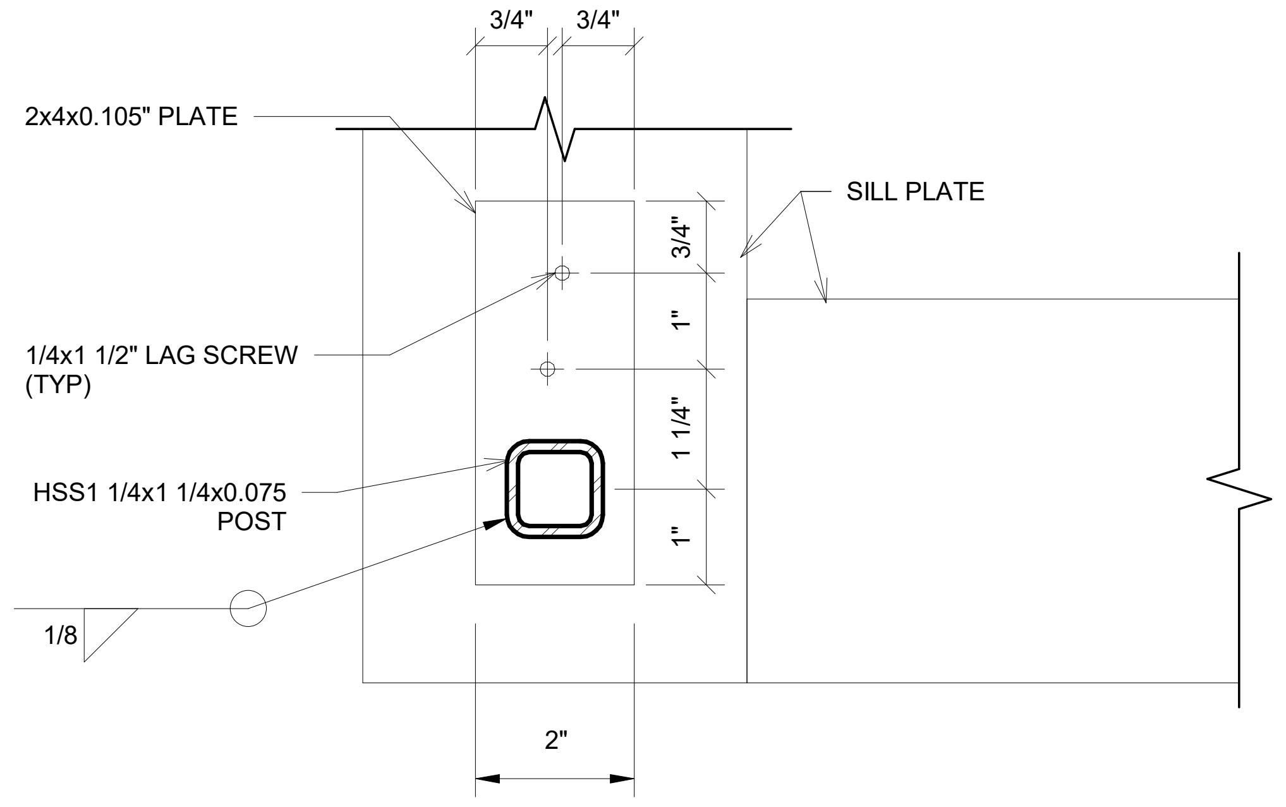
8 *6" = 1'-0"*
Interior Landing Leg Section


HSS POST PER PLAN
SKIRTING SIDING FINISHED BLOCK ALL EDGES. ATTACH TO TS w/ #14x2" TEK SCREWS @ 6" o/c
SILL PLATE
2x2 NAILER w/ 16d @ 12" o/c

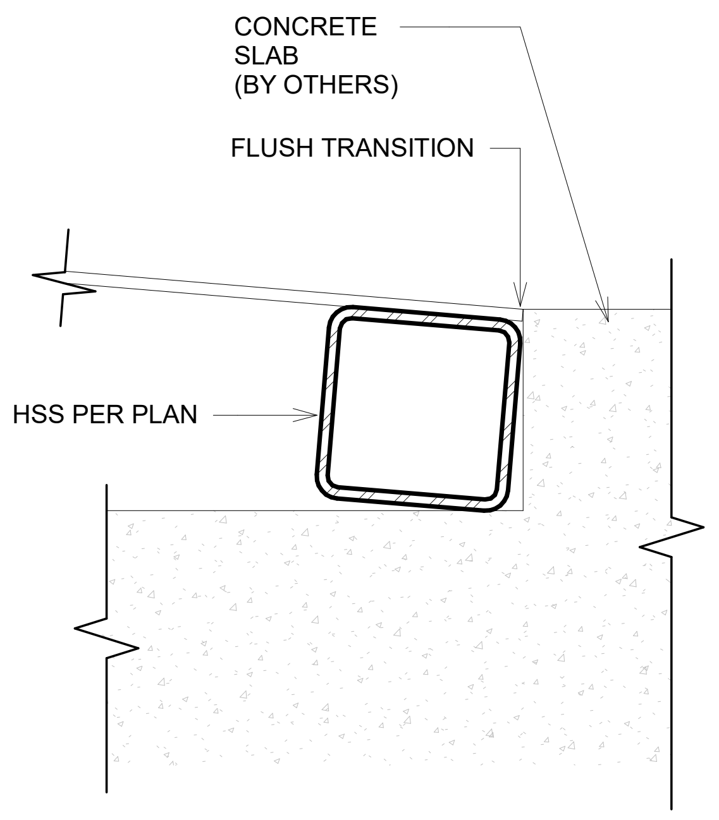
3 *6" = 1'-0"*
Skirt Flashing @ Sill Plate



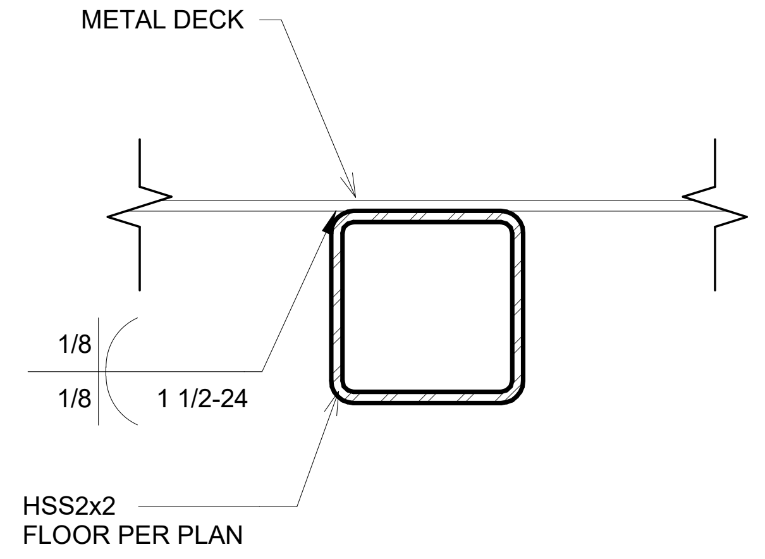
5 *6" = 1'-0"*
Ramp Extension



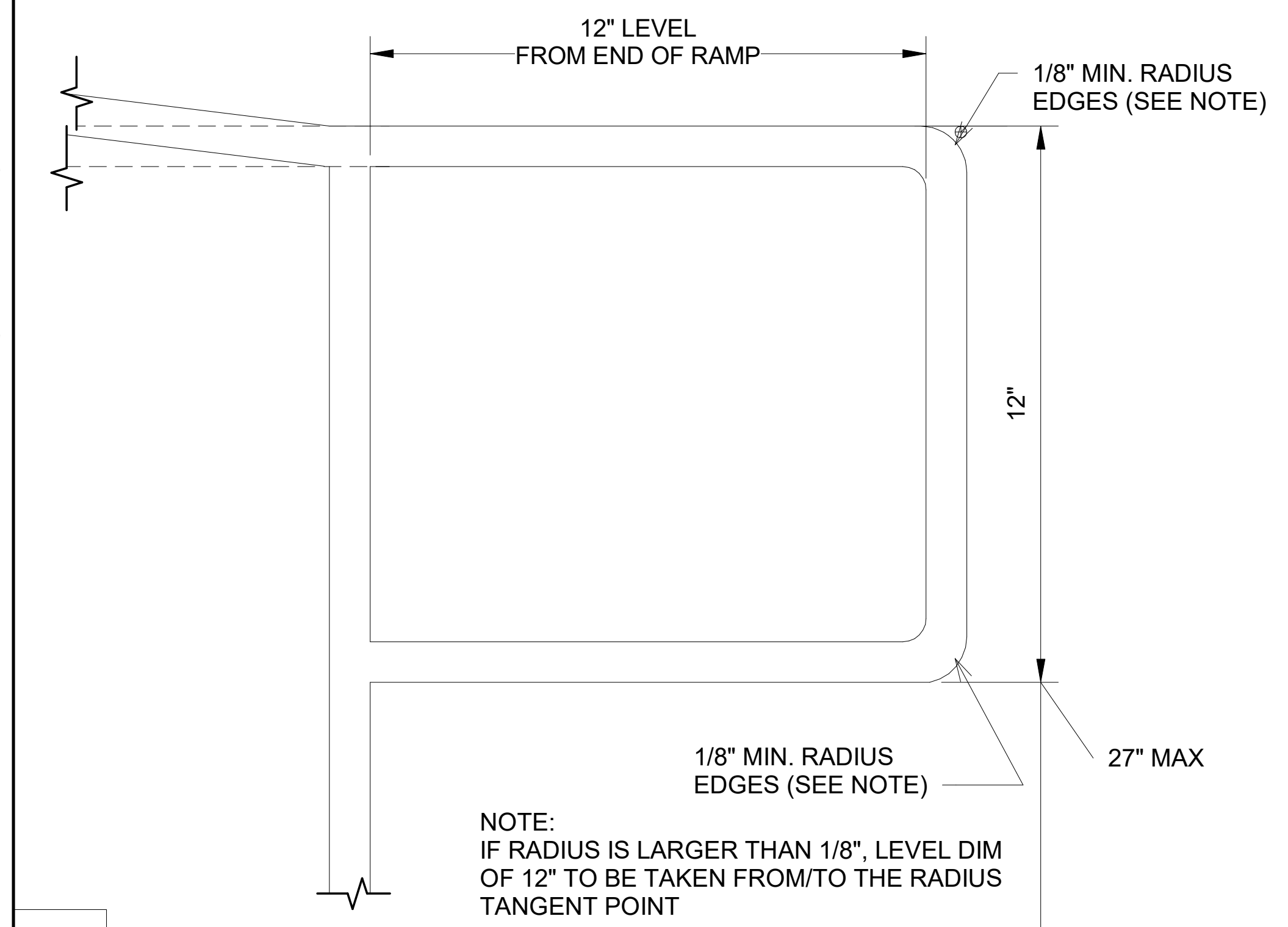
3b *6" = 1'-0"*
Adjustable Leg Base Plate



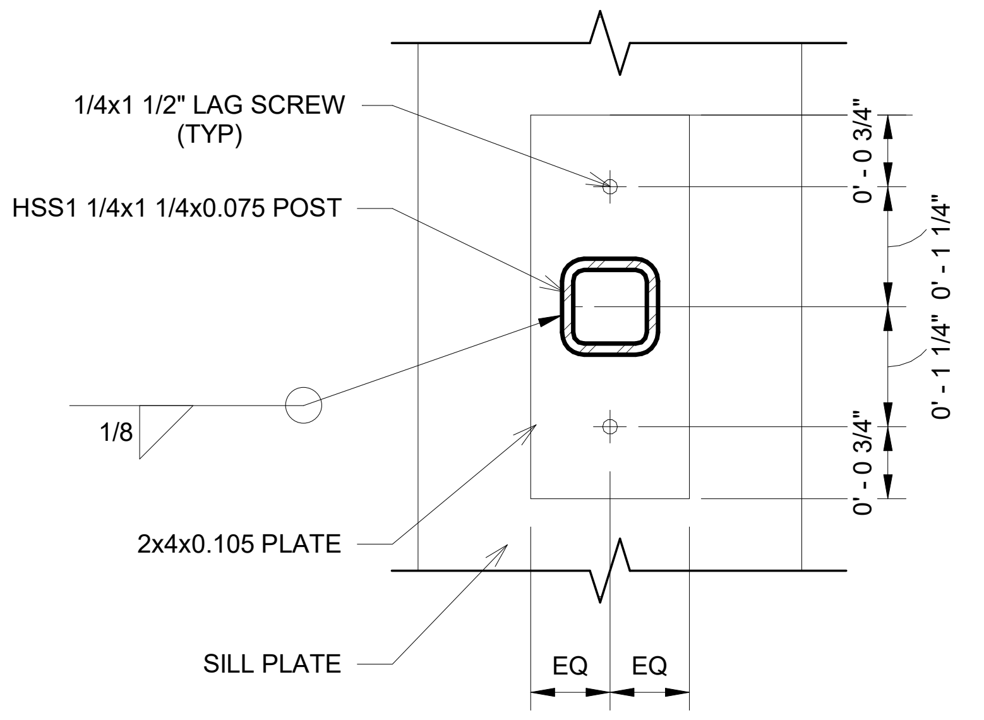
10 *6" = 1'-0"*
Flush Transition @ Bottom of Ramp



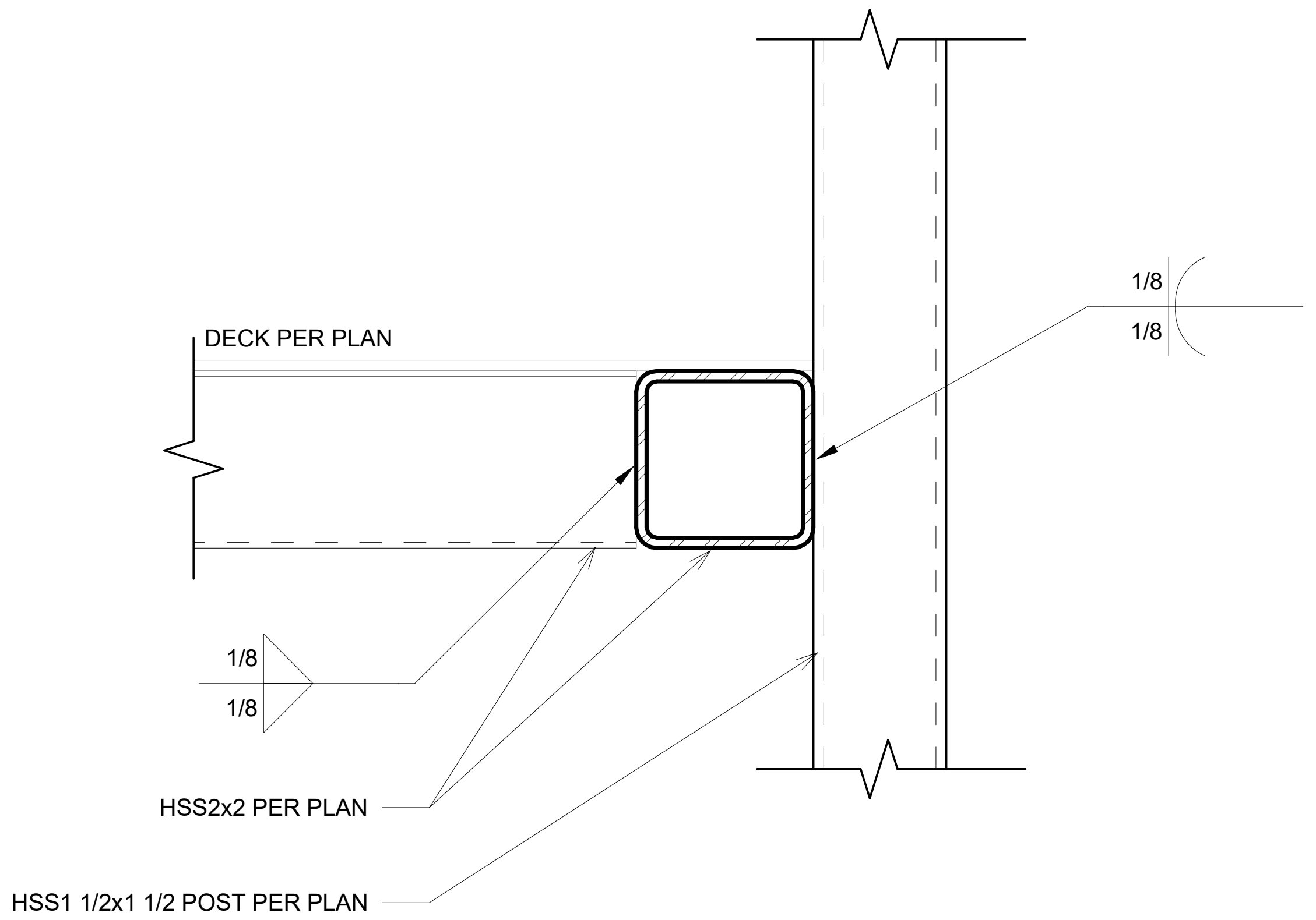
1 *6" = 1'-0"*
Deck to Frame


12" LEVEL FROM END OF RAMP
1/8" MIN. RADIUS EDGES (SEE NOTE)
12"
1/8" MIN. RADIUS EDGES (SEE NOTE)
27" MAX
NOTE:
IF RADIUS IS LARGER THAN 1/8", LEVEL DIM OF 12" TO BE TAKEN FROM/TO THE RADIUS TANGENT POINT

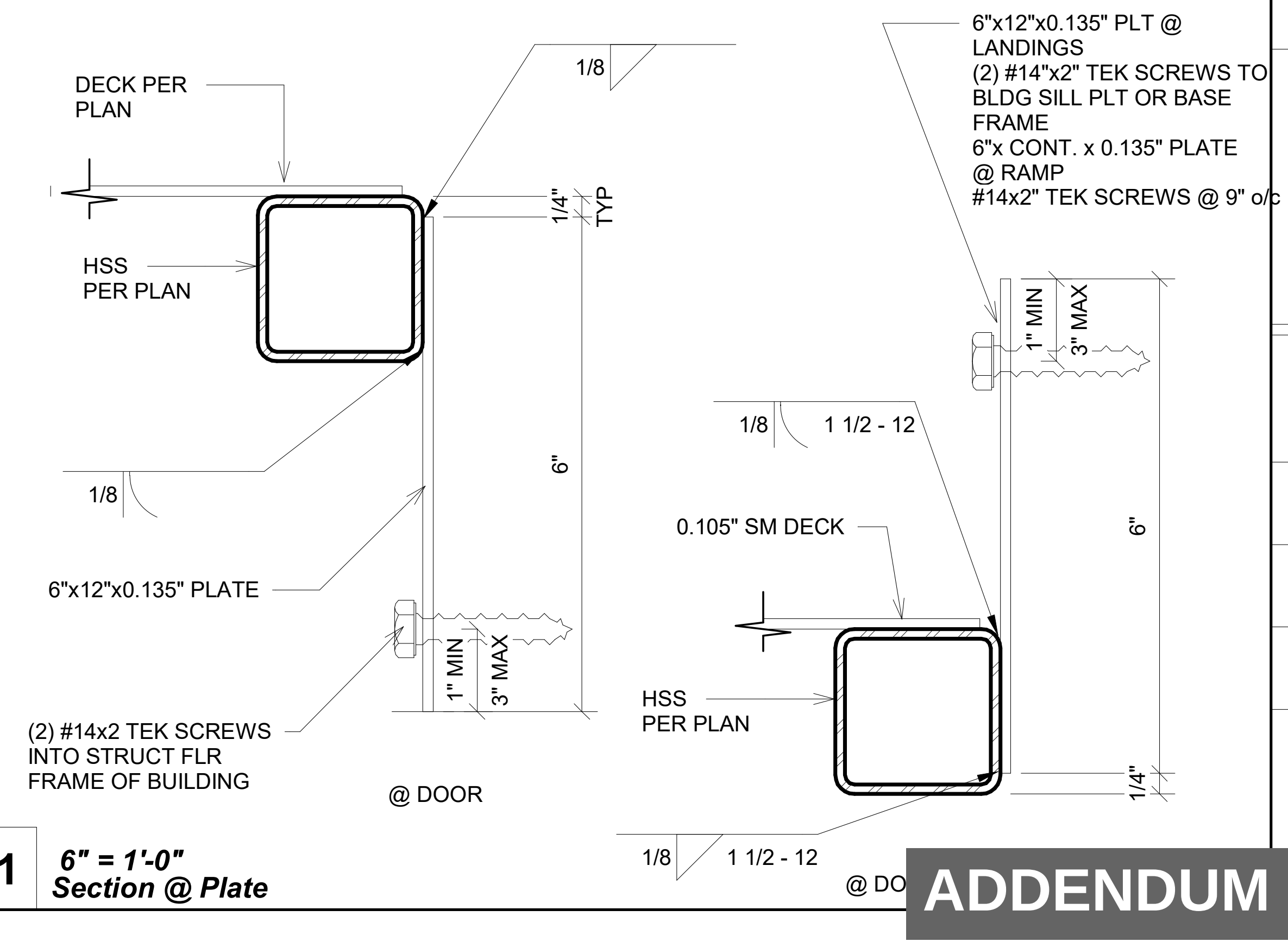
7 *3" = 1'-0"*
Extend Handrail @ Top or Bott. Ends



3a *6" = 1'-0"*
Adjustable Leg Plate



4 *6" = 1'-0"*
Guardrail post Attachment


DECK PER PLAN
1/8
1/4" TYP
HSS PER PLAN
6"
1/8
6"x12"x0.135" PLATE
(2) #14x2 TEK SCREWS INTO STRUCT FLR FRAME OF BUILDING
1" MIN
3" MAX
@ DOOR
6"x12"x0.135" PLT @ LANDINGS
(2) #14"x2" TEK SCREWS TO BLDG SILL PLT OR BASE FRAME
6"x CONT. x 0.135" PLATE @ RAMP
#14x2" TEK SCREWS @ 9" o/c
1" MIN
3" MAX
1/8
1 1/2 - 12
0.105" SM DECK
6"
HSS PER PLAN
1/4"
1/8
1 1/2 - 12
@ DOOR

11 *6" = 1'-0"*
Section @ Plate

ADDENDUM

9/13/2024 11:56:56 AM M:\2024\24129 - Class Leasing, Class Leasing Universal Ramps and Stair 2022 PC V2\REVIT\RST#24129 - Ramps and Stairs PC_ Main File.rvt

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP
No. S3380
Exp. 03/31/26
9.13.2024

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT
Class Leasing
1651 SOUTH JUANITA STREET
SAN JACINTO CA. 92583
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL
APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123741 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/19/2024

Revision Schedule

#	Description	Date

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE
Ramp Details

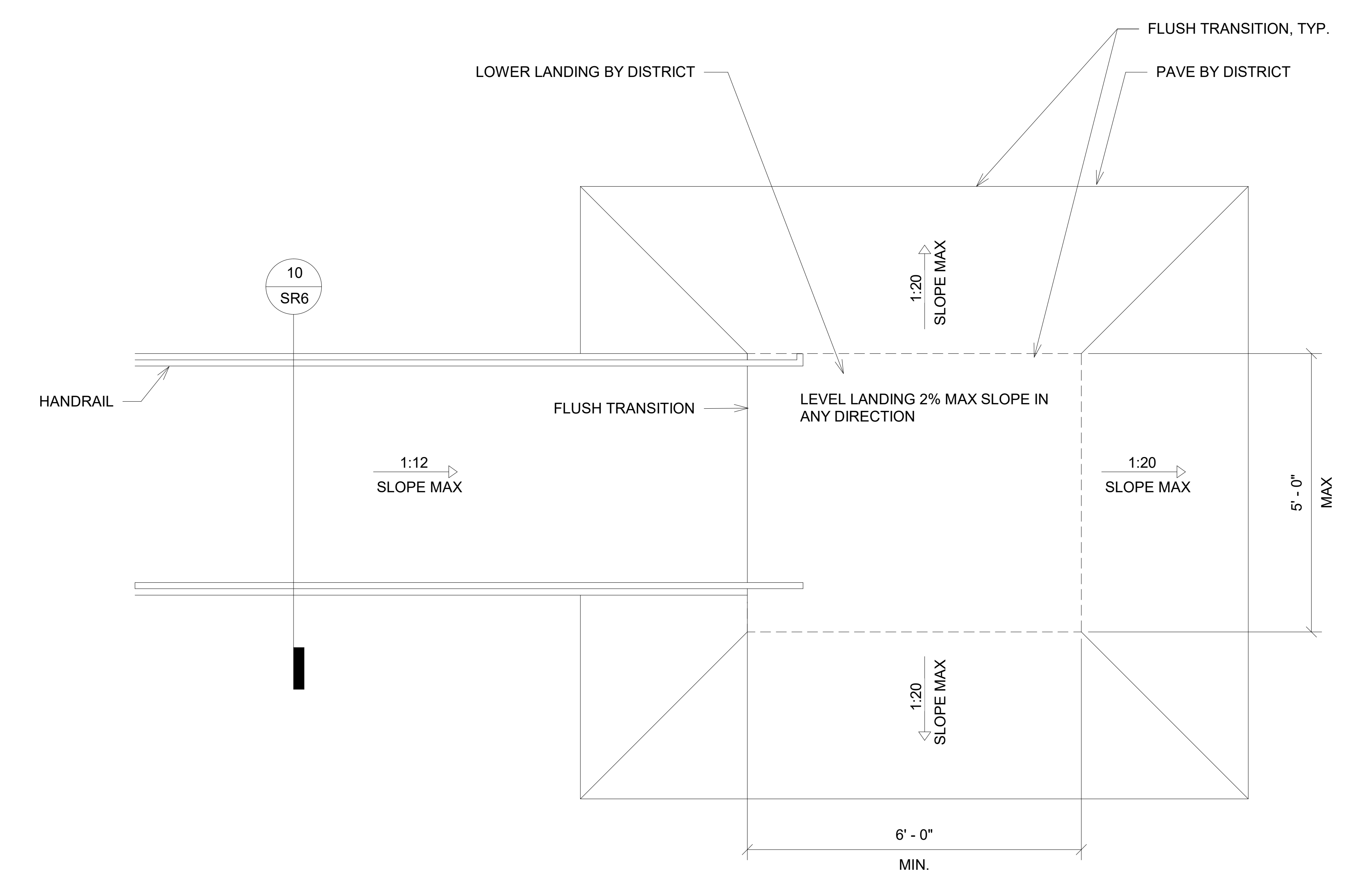
PROJECT NUMBER
20093

DRAWN BY
SM

CHECKED BY
rMc

DATE
6/15/2021

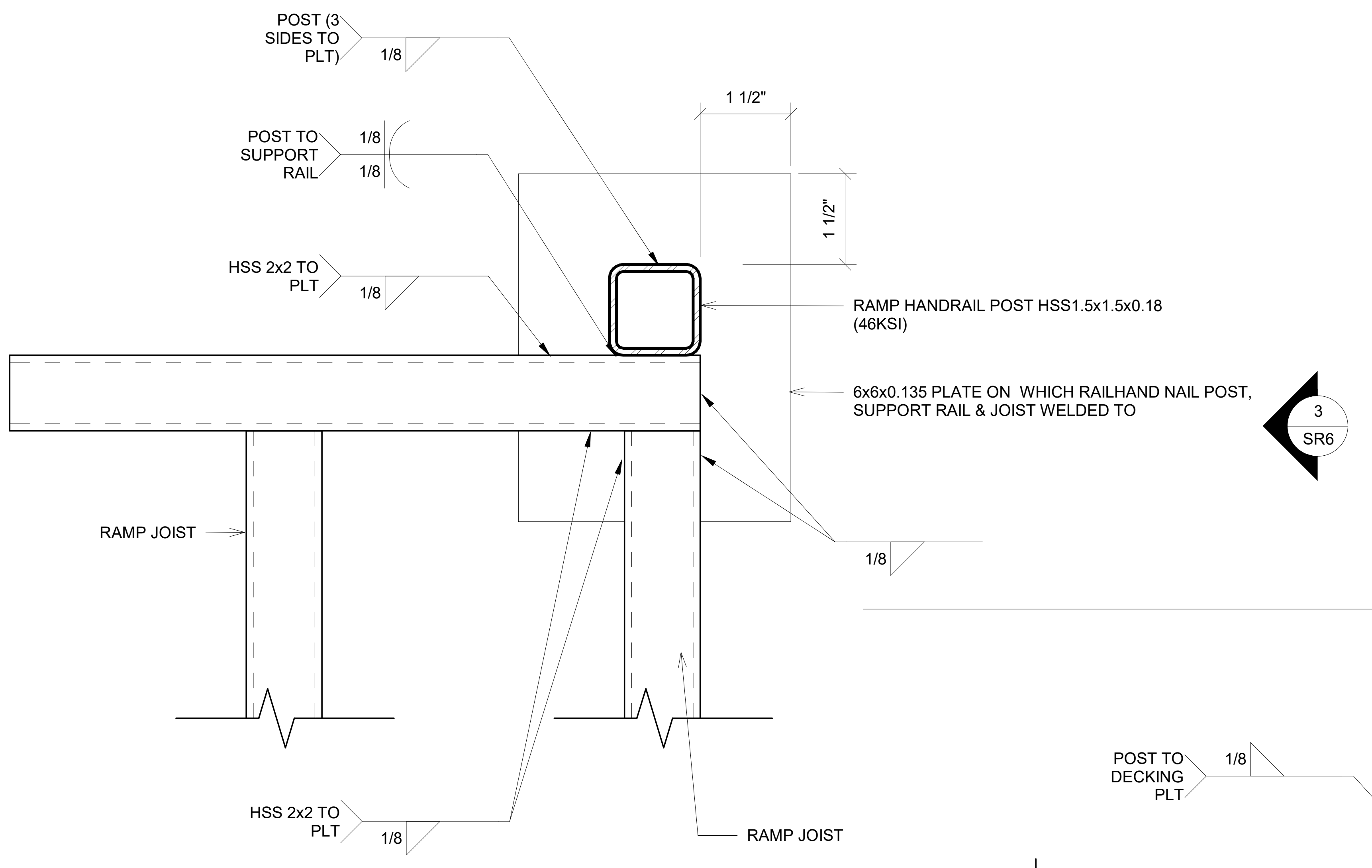
SHEET NO.
SR5



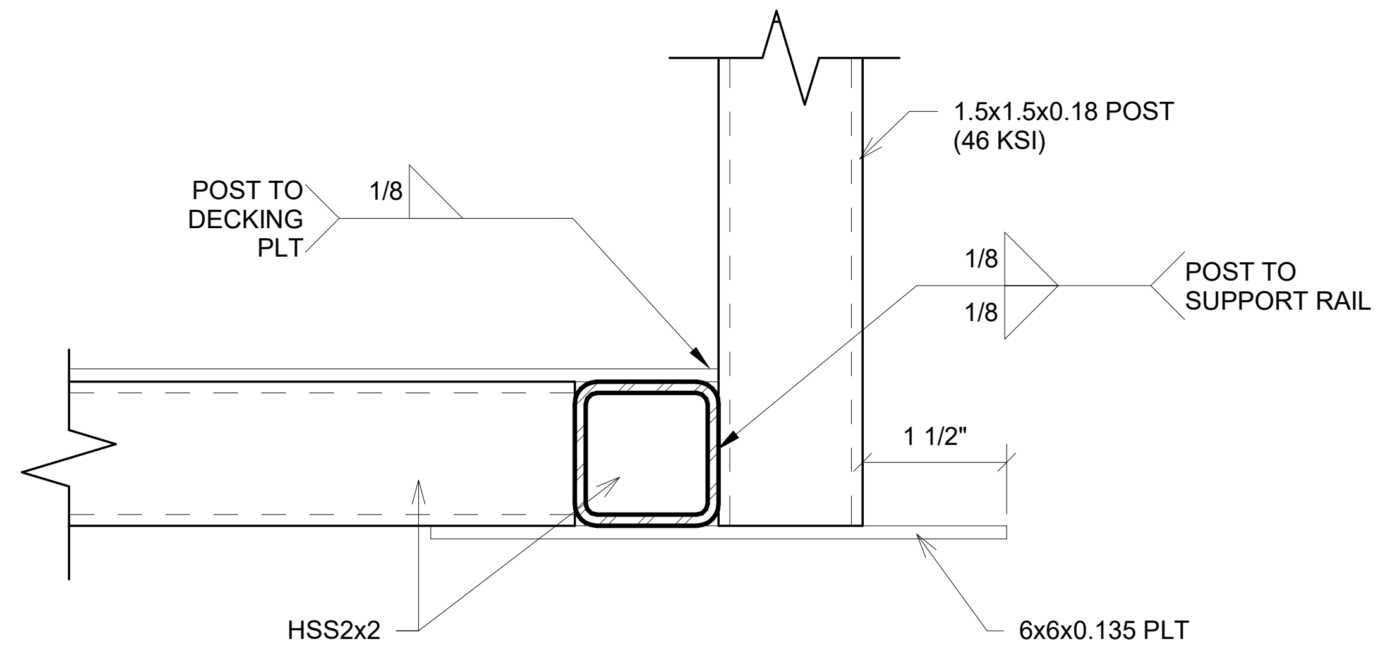
NOTE:
1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAIL.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT. (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMOSTRATE ACCESSIBLE RAMP)

LANDING TO BE DESIGNED TO NOT RETAIN STANDING WATER 1% TO 2.083 MAX SLOPE

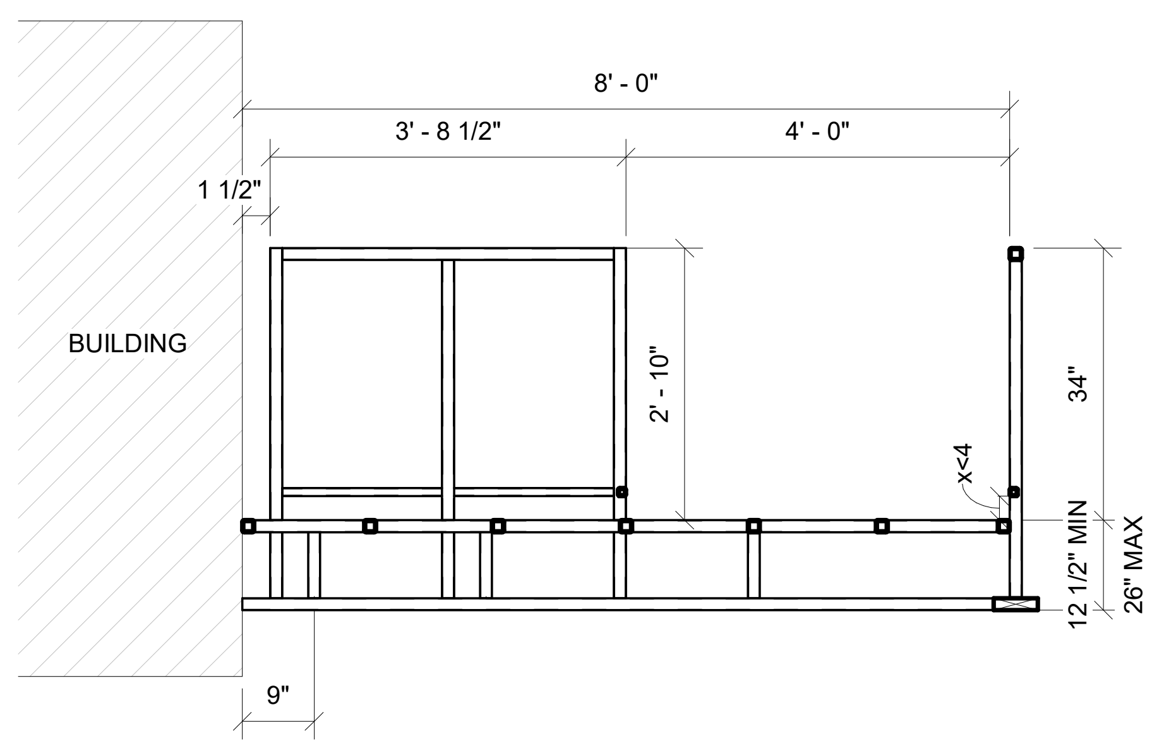
7 *1/2" = 1'-0"*
Ramp Transition


POST (3 SIDES TO PLT) 1/8
1 1/2"
POST TO SUPPORT RAIL 1/8 1/8
1 1/2"
HSS 2x2 TO PLT 1/8
RAMP HANDRAIL POST HSS1.5x1.5x0.18 (46KSI)
6x6x0.135 PLATE ON WHICH RAILHAND NAIL POST, SUPPORT RAIL & JOIST WELDED TO
3
SR6
RAMP JOIST
1/8
HSS 2x2 TO PLT 1/8
RAMP JOIST

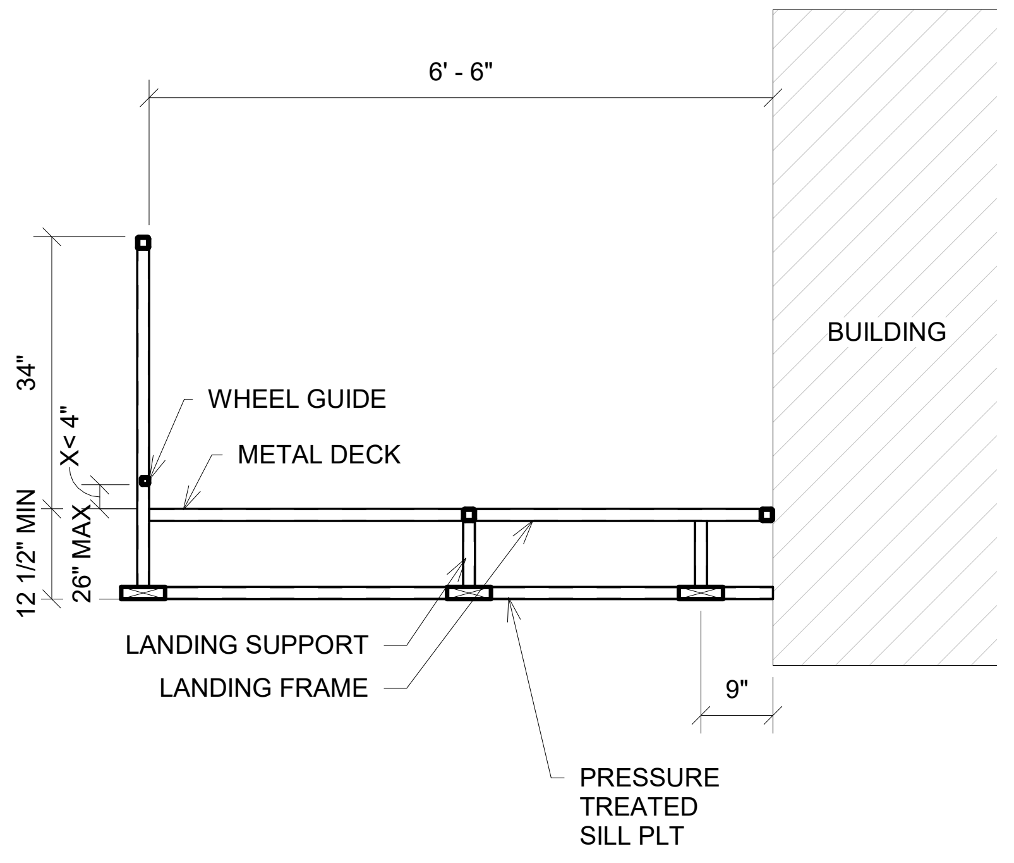
2 *6" = 1'-0"*
Base Plt @ Ramp Toe For Zero Transition



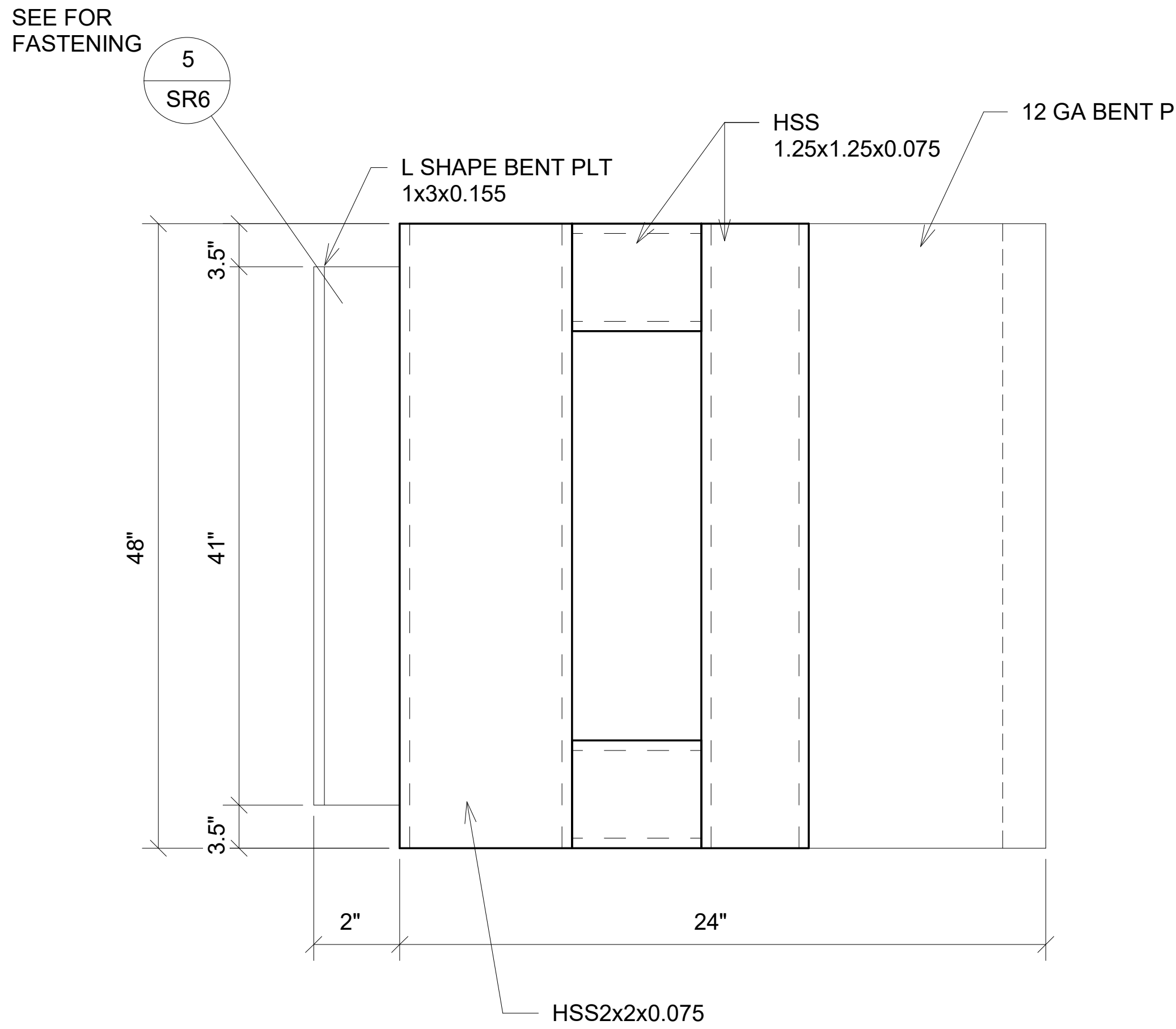
3 *6" = 1'-0"*
Base Plt @ Ramp Toe Low Zero Side View



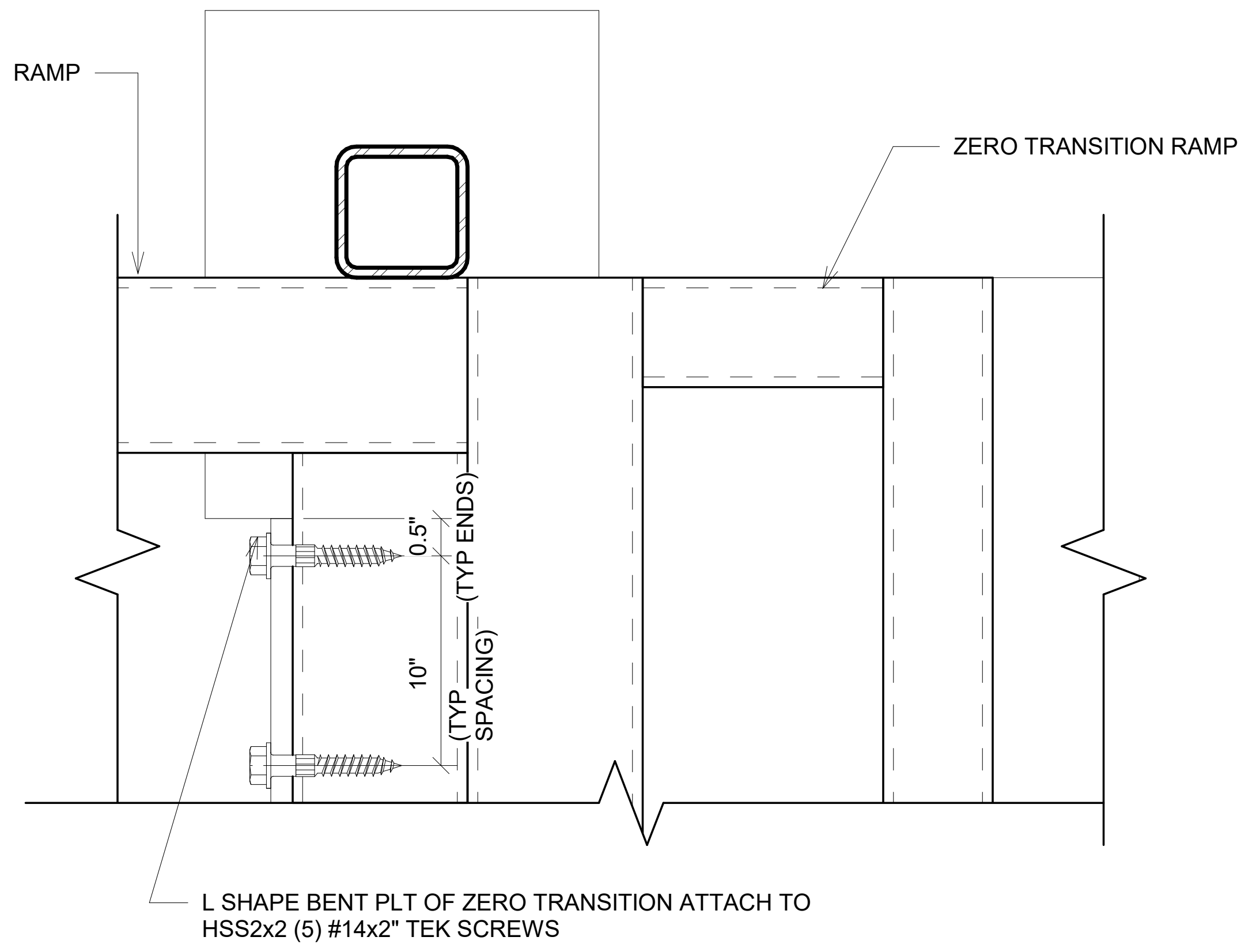
8 *1/2" = 1'-0"*
Section @ Landing



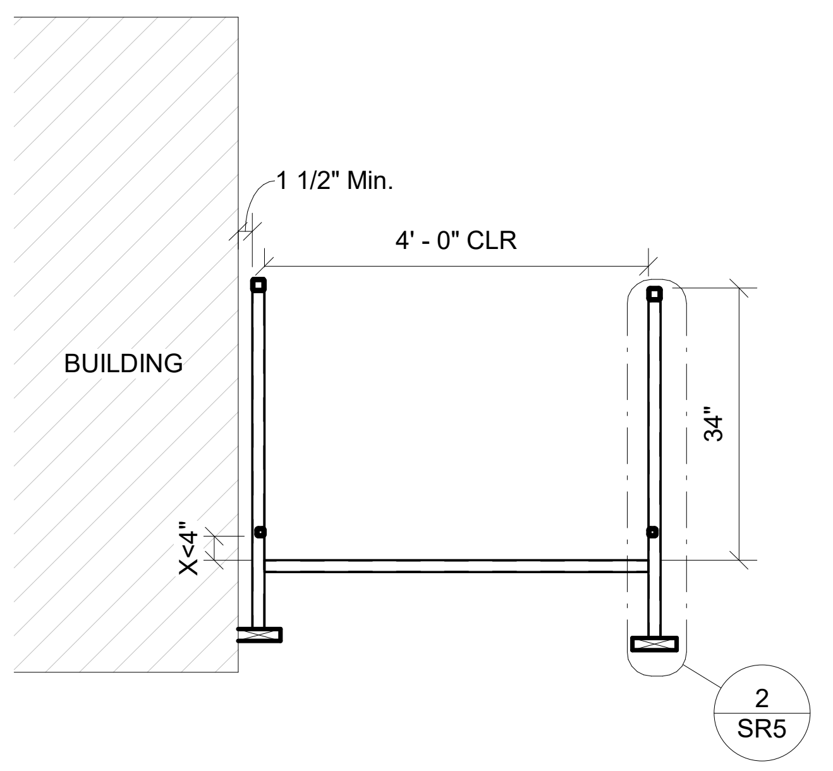
9 *1/2" = 1'-0"*
Section @ Landing



4 *6" = 1'-0"*
Top View Ramp Zero Transition

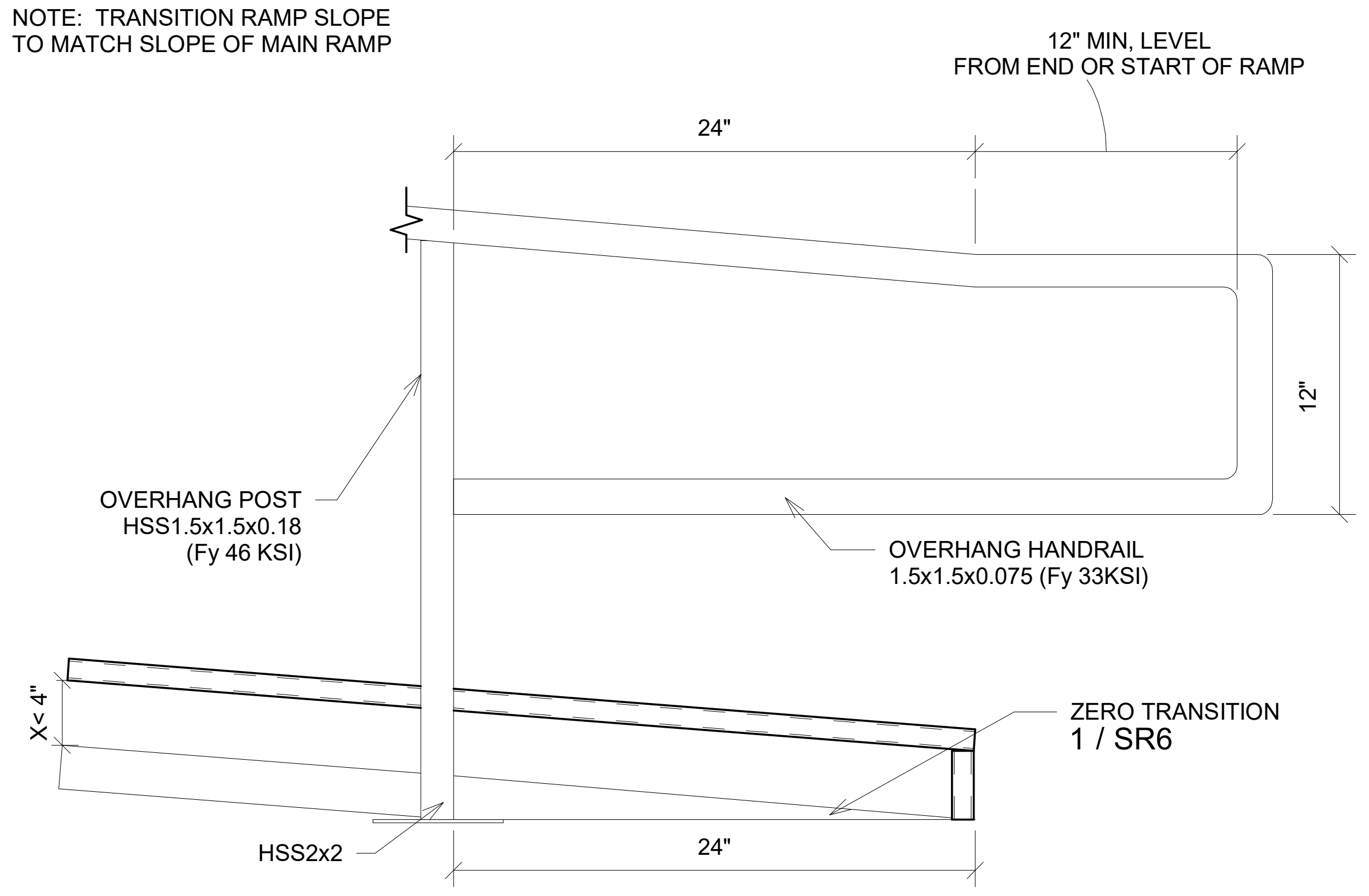

RAMP
ZERO TRANSITION RAMP
0.5" (TYP ENDS)
10" (TYP SPACING)
L SHAPE BENT PLT OF ZERO TRANSITION ATTACH TO HSS2x2 (5) #14x2" TEK SCREWS

5 *6" = 1'-0"*
Zero Transition Ramp Connection



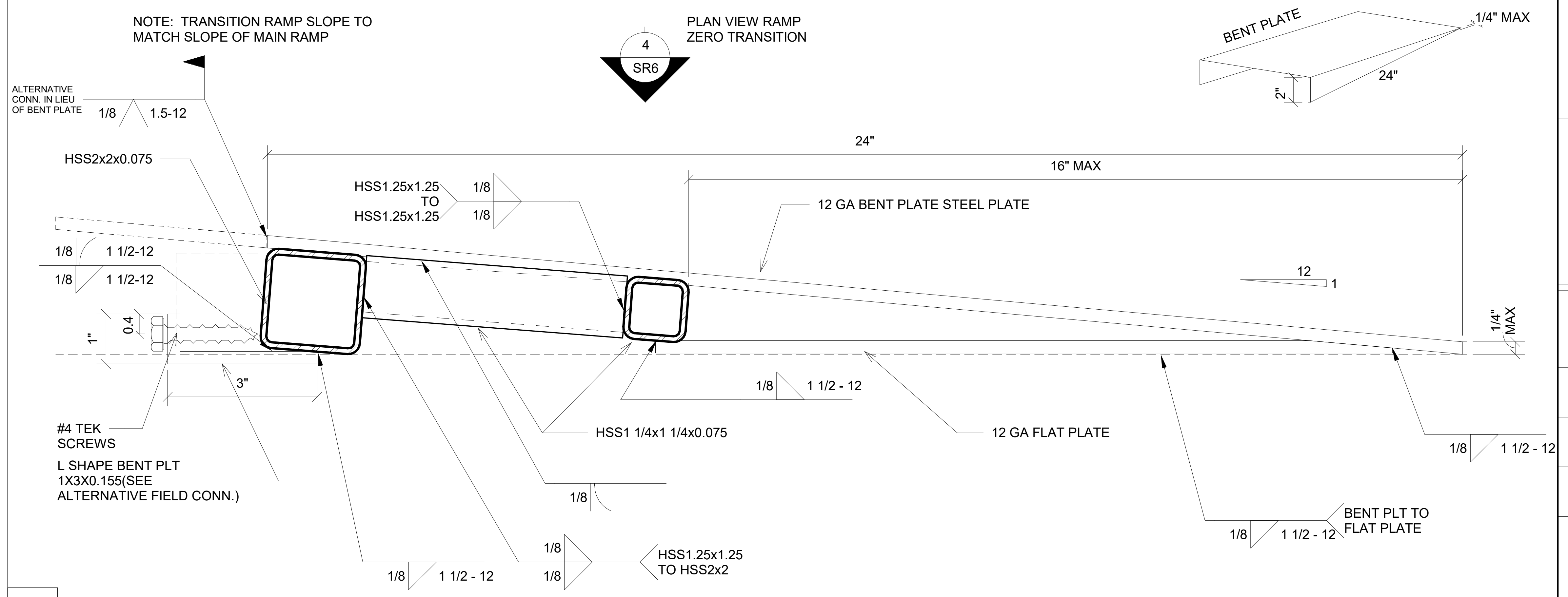
10 *1/2" = 1'-0"*
Section @ Ramp

NOTE: TRANSITION RAMP SLOPE TO MATCH SLOPE OF MAIN RAMP


12" MIN, LEVEL FROM END OR START OF RAMP
24"
12"
OVERHANG POST HSS1.5x1.5x0.18 (Fy 46 KSI)
OVERHANG HANDRAIL 1.5x1.5x0.075 (Fy 33KSI)
X< 4"
ZERO TRANSITION 1 / SR6
HSS2x2
24"

6 *1 1/2" = 1'-0"*
Extend Handrail @ Bottom End For Zero Transition Ramp

NOTE: TRANSITION RAMP SLOPE TO MATCH SLOPE OF MAIN RAMP


PLAN VIEW RAMP ZERO TRANSITION
4
SR6
BENT PLATE
1/4" MAX
24"
2"
ALTERNATIVE CONN. IN LIEU OF BENT PLATE 1/8 1.5-12
HSS2x2x0.075
24"
16" MAX
HSS1.25x1.25 TO HSS1.25x1.25 1/8 1/8
12 GA BENT PLATE STEEL PLATE
1/8 1 1/2-12
1/8 1 1/2-12
12
1
1"
0.4
3"
1/4" MAX
1/8 1 1/2 - 12
#4 TEK SCREWS
L SHAPE BENT PLT 1X3X0.155(SEE ALTERNATIVE FIELD CONN.)
HSS1 1/4x1 1/4x0.075
12 GA FLAT PLATE
1/8 1 1/2 - 12
1/8
BENT PLT TO FLAT PLATE 1/8 1 1/2 - 12
1/8 1 1/2 - 12
1/8 1/8 HSS1.25x1.25 TO HSS2x2

1 *6" = 1'-0"*
Zero Transition Ramp

M:\2024\24129 - Class Leasing, Class Leasing Universal Ramps and Stair 2022 PC V2\REVIT\RST#24129 - Ramps and Stairs PC_ Main File.rvt

9/13/2024 11:56:57 AM

PROJECT SPECIFIC STATE AGENCY APPROVAL

R&S TAVARES ASSOCIATES
DESIGN ◆ CONSULTING ◆ PROJECT MGT
11590 W BERNARDO COURT, SUITE 100
SAN DIEGO, CA 92127
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

No. S3380
Exp. 03/31/26
9.13.2024

THE PLANS, IDEAS & DESIGNS SHOWN ON THESE DRAWINGS ARE THE PROPERTY OF R&S TAVARES ASSOCIATES, INC. DEVISED SOLELY FOR THIS CONTRACT. THESE PLANS SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH THEY WERE NOT INTENDED WITHOUT THE EXPRESS WRITTEN CONSENT OF R&S TAVARES ASSOCIATES, INC. ©

CLIENT

Class Leasing
1651 SOUTH JUANITA STREET
SAN JACINTO CA. 92583
VOICE (951) 943-1908 Fax (951) 943-5768

ORIGINAL PC STATE AGENCY APPROVAL

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-123741 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 09/19/2024

Revision Schedule

#	Description	Date

PROJECT TITLE
RAMPS PC
CLASS LEASING
PC#04-123741

SHEET TITLE
Ramp Details

PROJECT NUMBER
20093

DRAWN BY
SM

CHECKED BY
rMc

DATE
6/15/2021

SHEET NO.
SR6

ADDENDUM