

PROJECT DATA

OWNER: COUNTY OF TULARE
2800 WEST BURREL AVENUE
VISALIA, CALIFORNIA 93291
(559) 636-5005

SITE ADDRESS: 1185 SOUTH "O" STREET
TULARE, CALIFORNIA 93274

ARCHITECT: CHAS RHODS ARCHITECTURE
POSTAL BOX 889
HANFORD, CA. 93232
559-584-3371
CHASRHODS@SBCGLOBAL.NET

OCCUPANCY GROUP: B
CONSTRUCTION TYPE: V-B (NON-SPRINKLERED)
ALLOWED AREA: 9,000 SQ. FT.
PROPOSED AREA: 6,805 SQ. FT.
OCCUPANT LOAD:

GENERAL USE: @ 150 SQ. FT. PER PERSON
3,860/150 = 26 OCCUPANTS

SPECIALIZED USE: @ MAXIMUM PROBABLE OCCUPANTS
AUTOPSY 1,170 = 6 OCCUPANTS
WALK-IN REFRIG. 1,125 = 2 OCCUPANTS
SALLY PORT 650 = 2 OCCUPANTS

TOTAL 36 OCCUPANTS

Table with 2 columns: CODES, 2022 CALIF. ADMINISTRATIVE CODE, 2022 CALIF. BUILDING CODE, 2022 CALIF. ELECTRICAL CODE, 2022 CALIF. MECHANICAL CODE, 2022 CALIF. PLUMBING CODE, 2022 CALIF. ENERGY CODE, 2022 CALIF. FIRE CODE, 2022 CALIF. GREEN BUILDING CODE

ARCHITECTURAL ABBREVIATIONS

Table of architectural abbreviations with columns for letter codes and their corresponding descriptions (e.g., AFF ABOVE FINISH FLOOR, AC ACOUSTICAL, etc.)

TULARE COUNTY FIRE DEPARTMENT
Plan Review Complete, Okay To Issue Permit
REVIEWED BY: MPhillips
CFC\_2022 CRC\_2022 CBC\_2022

January 31, 2024

Approval of this plan does not authorize or approve any
omission/deviation from applicable regulations. Final
approval is subject to field inspection. One set of
approved plans shall be available on the project site.

FIRE REQUIREMENTS

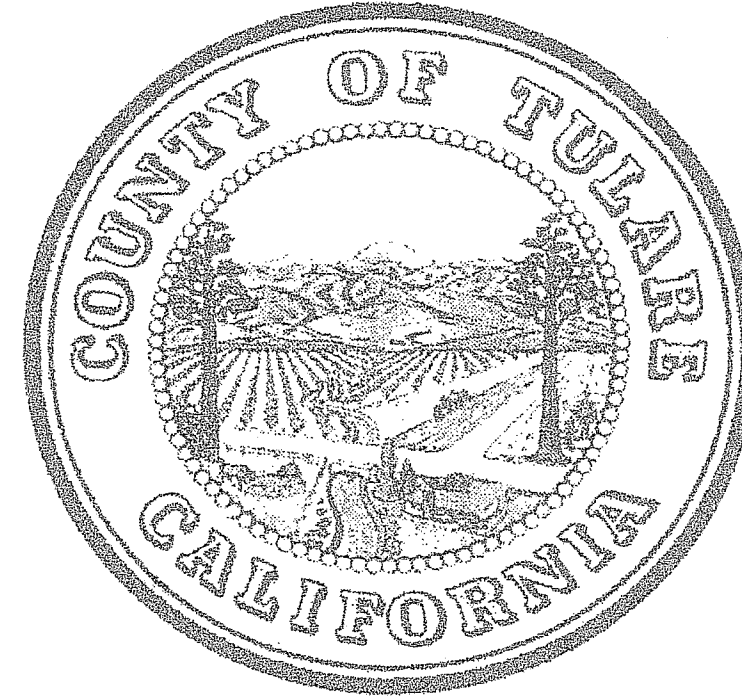
- Address posted, minimum 4"x3"x 1/2" line width permanent numbers visible from the street
Fire apparatus access roads/lanes, as identified on approved plans.
Fire lanes shall be maintained at all times, marked, and/or painted.
Remove all dead and dying vegetation within 30 feet of all structures, plus property lines, and 10' on each side of the driveway. Vegetation must be disposed of prior to the start of construction.
Fire extinguishers must be visible, mounted at 4 foot, accessible, and be no more than a 75-foot travel distance inside structure with a minimum U.L. rating of 2A-10B/C.
Emergency exit signs shall be posted at exit doorways.
Emergency exit/lighting shall be installed.
Knox Box for locked or gated properties (Keyed to Tulare City Fire Department).
Gates shall be installed 30' back from the public way and open inward.
Fire final - All fire protection features shall be installed and inspected before fire final.
Fire Final required prior to building final. Call (559) 802-9807 to schedule.
Note, this checklist does not exclude builder /owner from all required applicable codes. If something was missed in the plan check process, the owner /builder will be expected to comply with the applicable code, regulation, or ordinance.

COUNTY OF TULARE
HEALTH AND HUMAN SERVICES AGENCY
ENVIRONMENTAL HEALTH DIVISION
DATE APPROVED February 21, 2024
APPROVED BY Kevin Bangsund

TULARE COUNTY
RESOURCE MANAGEMENT AGENCY
Building permit review
PLANNING
January 31, 2024
PERMIT: A2302173
BY: MPescador1

County Of Tulare
New Coroner Facility
Permit Set

TULARE COUNTY
PUBLIC WORKS DEPARTMENT
Plan Review Complete, Okay To Issue Permit
Reviewed By: VSandoval 02/01/2024



COUNTY OF TULARE
RESOURCE MANAGEMENT AGENCY
BUILDING PERMIT NO. A2302173
APPROVED
PLAN CHECK ONLY
THIS APPROVAL SHALL NOT BE CONSTRUED TO BE A PERMIT FOR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE LATEST ADOPTED CALIFORNIA BUILDING CODE OR APPLICABLE OTHER STATE AND COUNTY LAWS
By: keynolds1 DATE: January 25, 2024

PLANS AND SPECIFICATIONS MUST MEET
2022 CBC 2022 CPC 2022 CMC
2022 CEC AND SUPPLEMENTAL CODES

ESSENTIAL SERVICES BUILDING REQUIREMENTS

THE DESIGN AND CONSTRUCTION OF THIS BUILDING SHALL COMPLY WITH CALIFORNIA HEALTH AND SAFETY CODE CHAPTER 2 - SECTIONS 16000 THROUGH 16023 - WHICH IS CALLED THE "ESSENTIAL SERVICES BUILDING BUILDING ACT" (E.S.B.A.).

THE COUNTY OF TULARE SHALL SERVE AS THE ENFORCEMENT AGENCY AND SHALL REVIEW THE DESIGN PER SECTION 16009 OF THE E.S.B.A.

THE COUNTY OF TULARE SHALL PROVIDE INSPECTIONS DURING CONSTRUCTION PER SECTION 16017 OF THE E.S.B.A.

THE ARCHITECT SHALL PROVIDE PERIODIC REVIEW OF CONSTRUCTION PER SECTION 16020 OF THE E.S.B.A.

SPECIAL INSPECTIONS

STRUCTURAL OBSERVATIONS BY THE ENGINEER OF RECORD SHALL BE MADE IN ACCORDANCE WITH C.B.C. 1709A

OWNER SHALL COORDINATE FORMS AND PROCEDURES WITH THE BUILDING DEPARTMENT

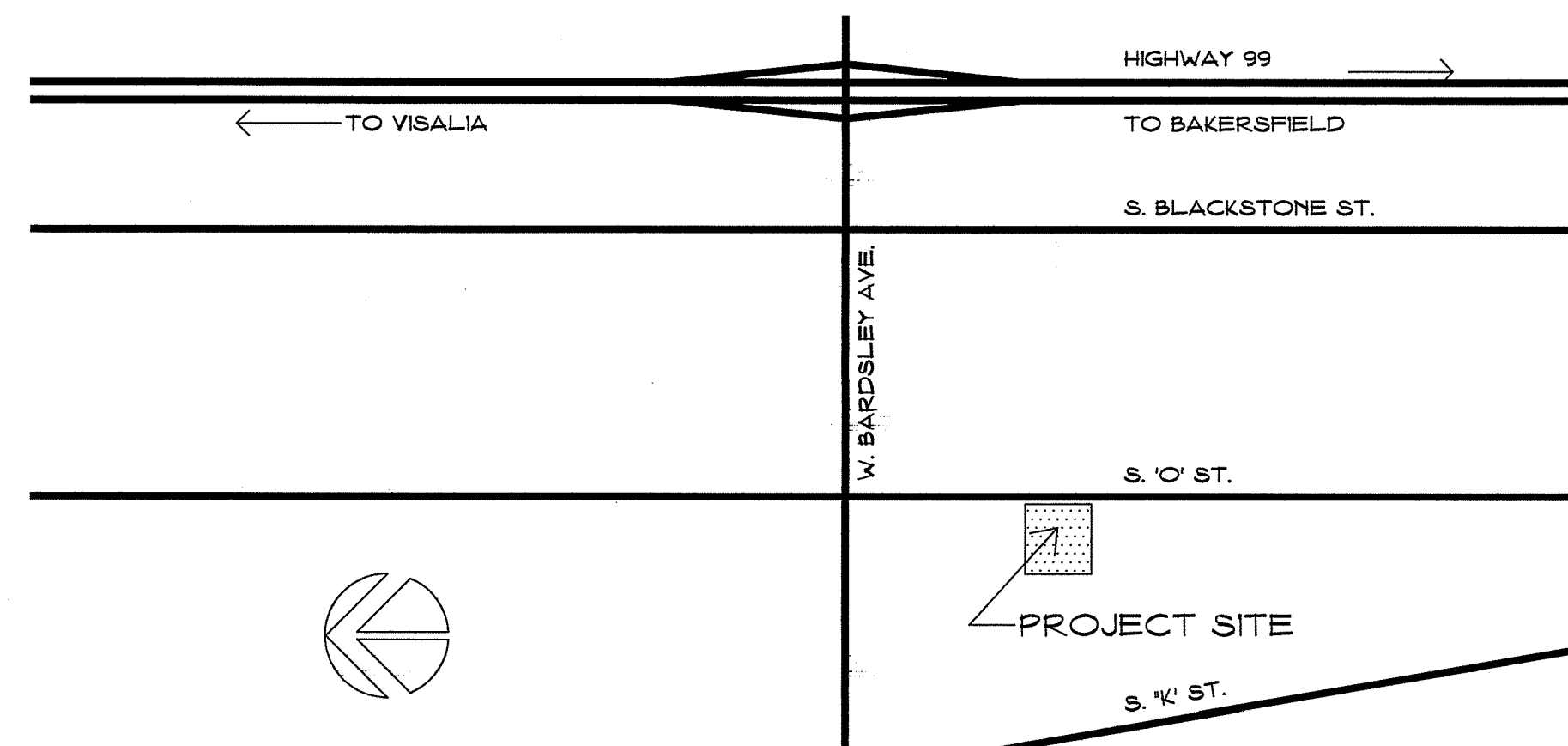
ARCHITECT SHALL CONFIRM REQUIRED SPECIAL INSPECTIONS

DEFERRED APPROVALS

FIRE ALARM SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO THE REVIEW JURISDICTION BY THE CONTRACTOR FOR APPROVAL AND SEPARATE PERMIT

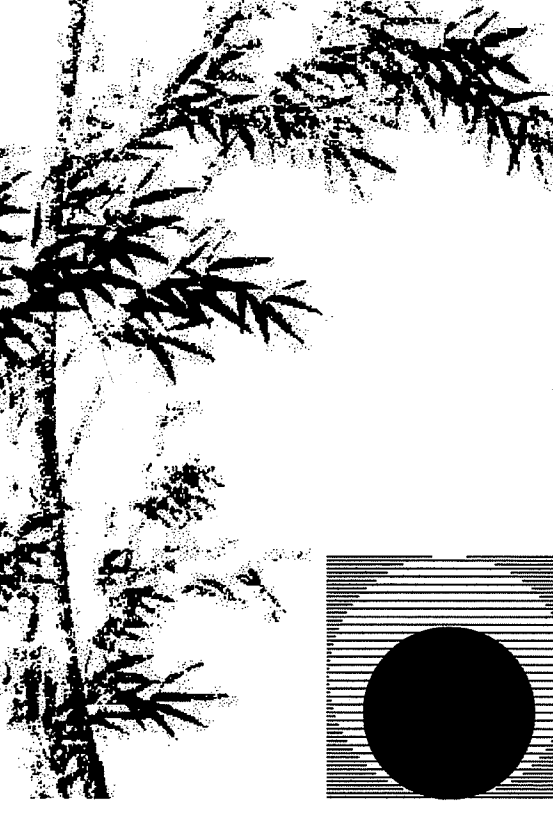
ROOF TRUSS SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND COMMENT - THEN SUBMITTED TO THE REVIEW JURISDICTION BY THE CONTRACTOR FOR APPROVAL AND SEPARATE PERMIT

PROJECT LOCATION



SHEET INDEX

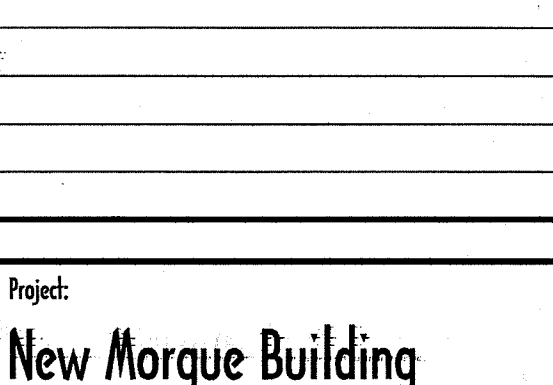
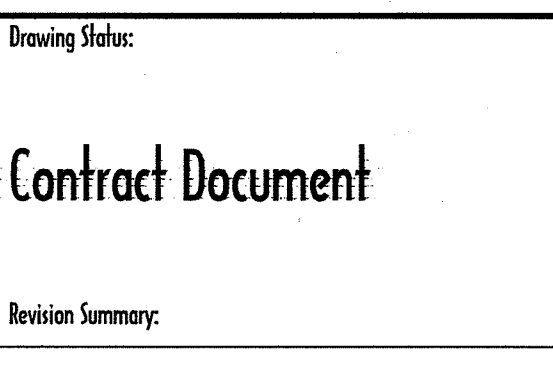
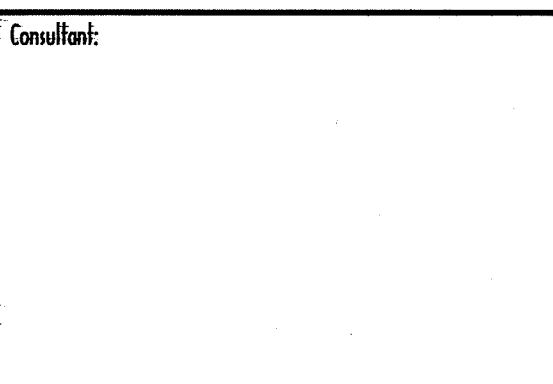
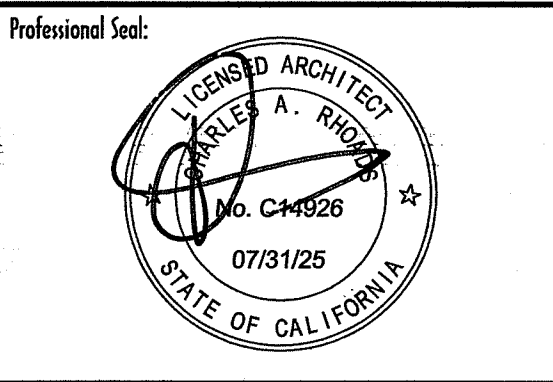
Table of sheet index including General, Demolition, Site Development, Landscape, Architectural, Equipment, Structural, Plumbing, Mechanical, Electrical, and Specifications sections with their respective sheet numbers.



Chas Rhoads
Architecture
Interiors
Landscape

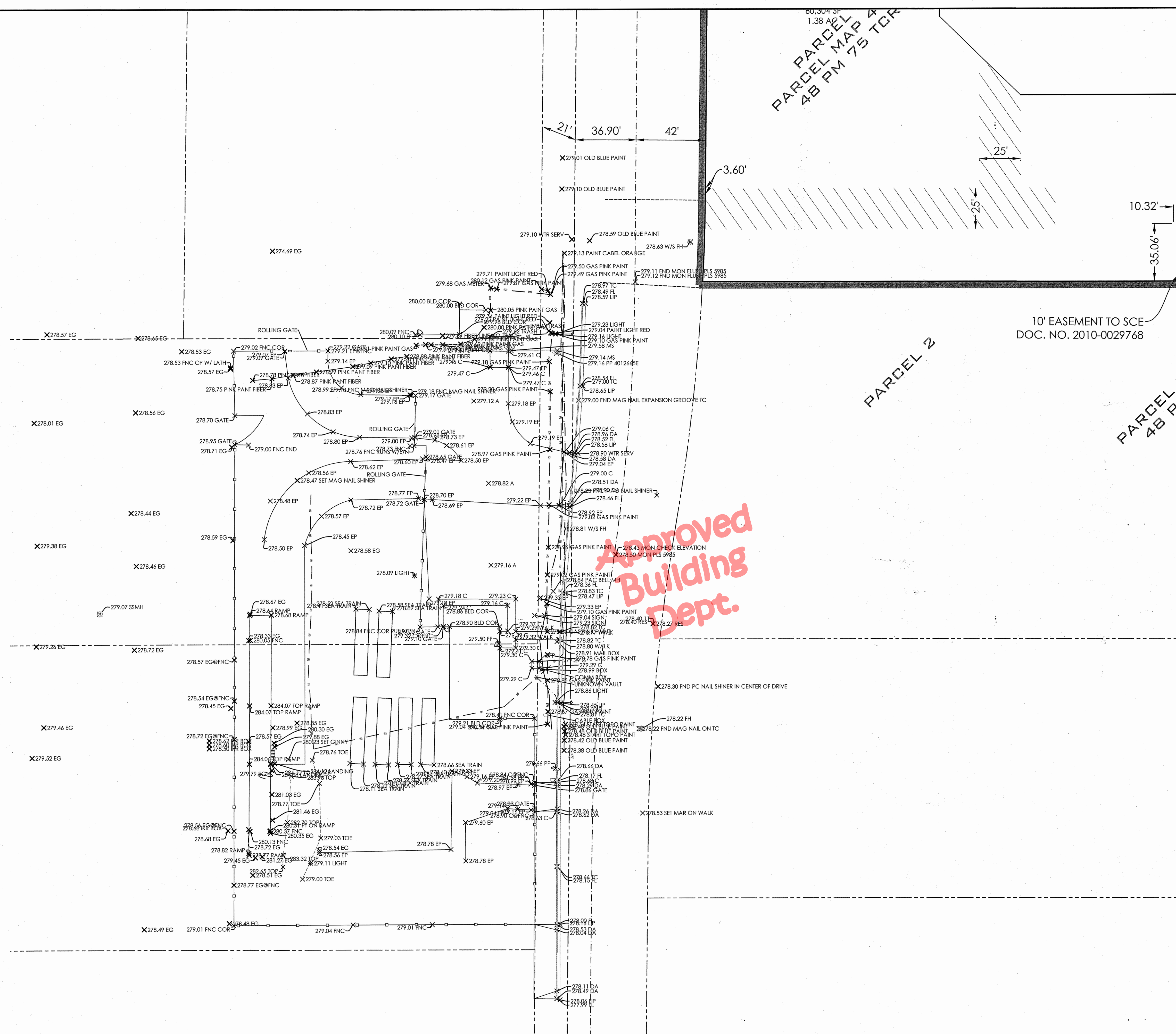
Postal Box 889 - Hanford - California - 93232
Phone: 559 - 584 - 3371

Email: chasrhoads@sbcglobal.net



Project: New Morgue Building
Tulare County Sheriff
South "O" Street
Tulare, California
Sheet Description: Title Sheet

Table with project metadata: Date: 11/16/23, Project: 22-102, Scale: None, Sheet No.: T1, Of 1 Sheet.



**LEGEND**

BACKFLOW PREVENTER	
ELECTRICAL PULL BOX	
ELECTRICAL TRANSFORMER	
ELECTRICAL RISER	
GAS RISER	
LIGHT	
IRRIGATION CONTROL VALVE	
POWER POLE	
SEWER MANHOLE	
WATER BOX	
WATER METER	
WATER RISER	
WATER VALVE	

**ABBREVIATIONS**

AC	ASPHALT
BCOR	BUILDING CORNER
C	CONCRETE
DA	DRIVE APPROACH
EG	EXISTING GRADE
EP	EXISTING PAVEMENT
FF	FINISH FLOOR ELEVATION
FH	FIRE HYDRANT
FL	FLOW LINE
FNC	FENCE
LP	LIP OF CURB
PP	POWER POLE
SSCO	SANITARY SEWER CLEANOUT
TC	TOP OF CURB
TOE	BOTTOM ELEVATION OF SURFACE FEATURE/BASIN
TOP	TOP ELEVATION OF SURFACE FEATURE/BASIN
WV	WATER VALVE

**BASIS OF BEARINGS**  
 THE BASIS OF BEARINGS IS BETWEEN TWO FOUND MONUMENTS ON THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 14, TOWNSHIP 20 SOUTH, RANGE 24 EAST M.D.M AS SHOWN ON PARCEL MAP 4770 RECORDED IN BOOK 48 OF PARCEL MAPS AT PAGE 75 OF TULARE COUNTY RECORDS AND BEARS SOUTH 90°00'00" EAST.

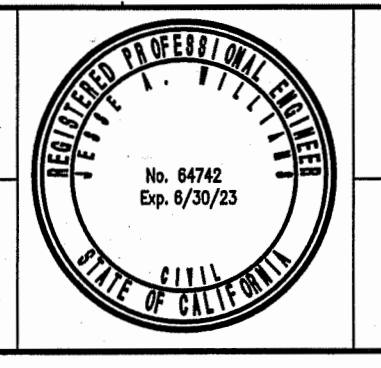
**811**  
 Know what's below.  
 Call before you dig.

1" = 30'

TOPOGRAPHIC SURVEY

REVISIONS	REV. BY	DATE

APPROVED  
 Jesse Allen Williams R.C.E. 64742



**AWEngineering**  
 810 W ACEQUIA AVENUE  
 VISALIA CA 93291  
 (559) 713-6139

**TULARE O-STREET**  
 TULARE CA

SCALE: 1" = 30'

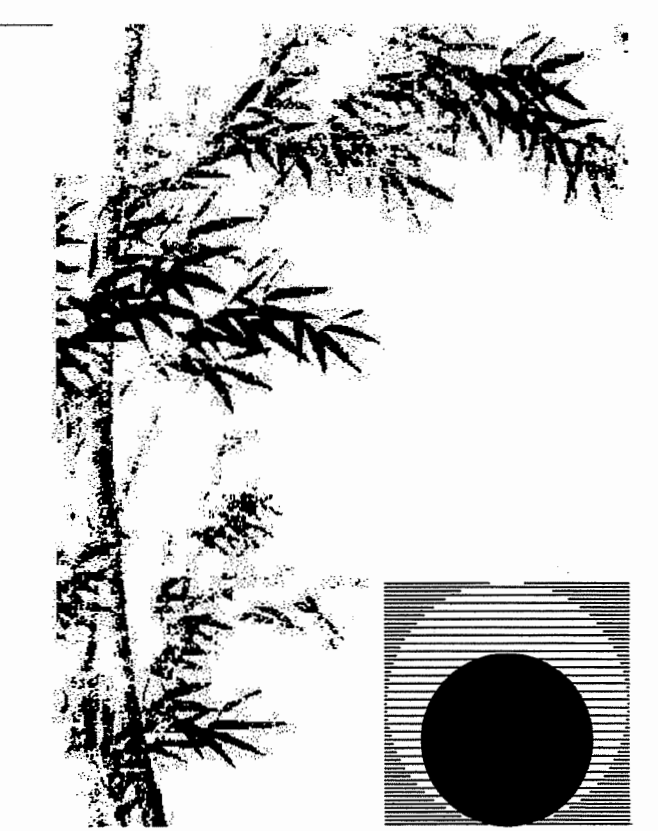
JOB #: 22051  
 DRAWN BY: RUY

FLOOD ZONE: "X"

SHEET **C1**

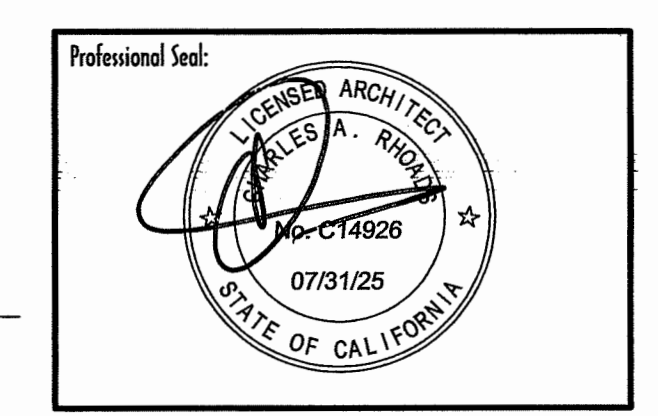
G:\WP\2022\22051 - 1225 S O ST. - Tulare County\TULARE O STREET-10-19-22.dwg - Admin - Dec. 01 2022 - 01:46pm - A.W. Engineering

NOTE:  
 THIS DRAWING WAS CREATED USING SURVEY DRAWINGS THAT HAVE BEEN CONVERTED FROM SD FILES - THIS OFFICE CANNOT GUARANTEE THE RESULTS OF SUCH CONVERSION AND THEREFORE WILL NOT RELEASE CAD FILES OF THIS DRAWING FOR USE IN CONSTRUCTION



**Chas Rhoads**  
 Architecture  
 Interiors  
 Landscape

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 Phone: 559 - 584 - 3371  
 Email: chasrhoads@sbglobal.net



Consultant:  
 \_\_\_\_\_

Drawing Status:  
**Contract Document**

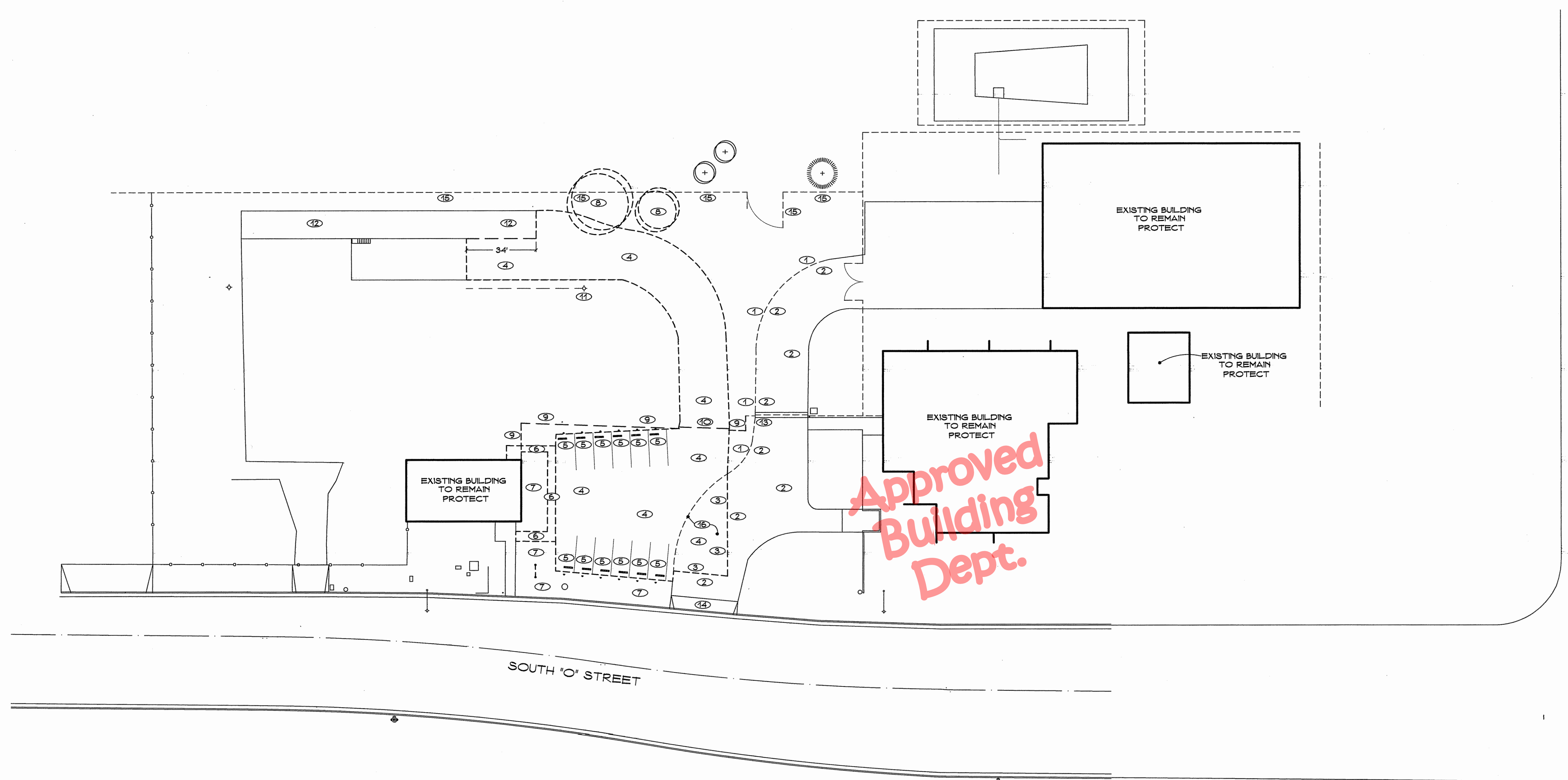
Revision Summary:  
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Project:  
**New Morgue Building  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California**

Sheet Description:  
**Select Site Demolition**

Date: 11/16/23  
 Project: 22-102  
 Scale: 1" = 30'  
 Sheet No.: **D1**  
 Of 1 Sheet

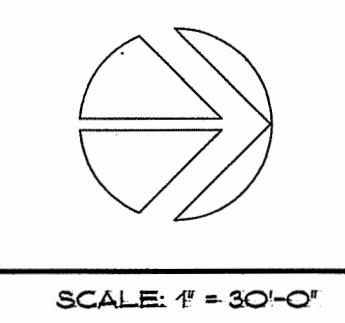
BARDSLEY AVENUE



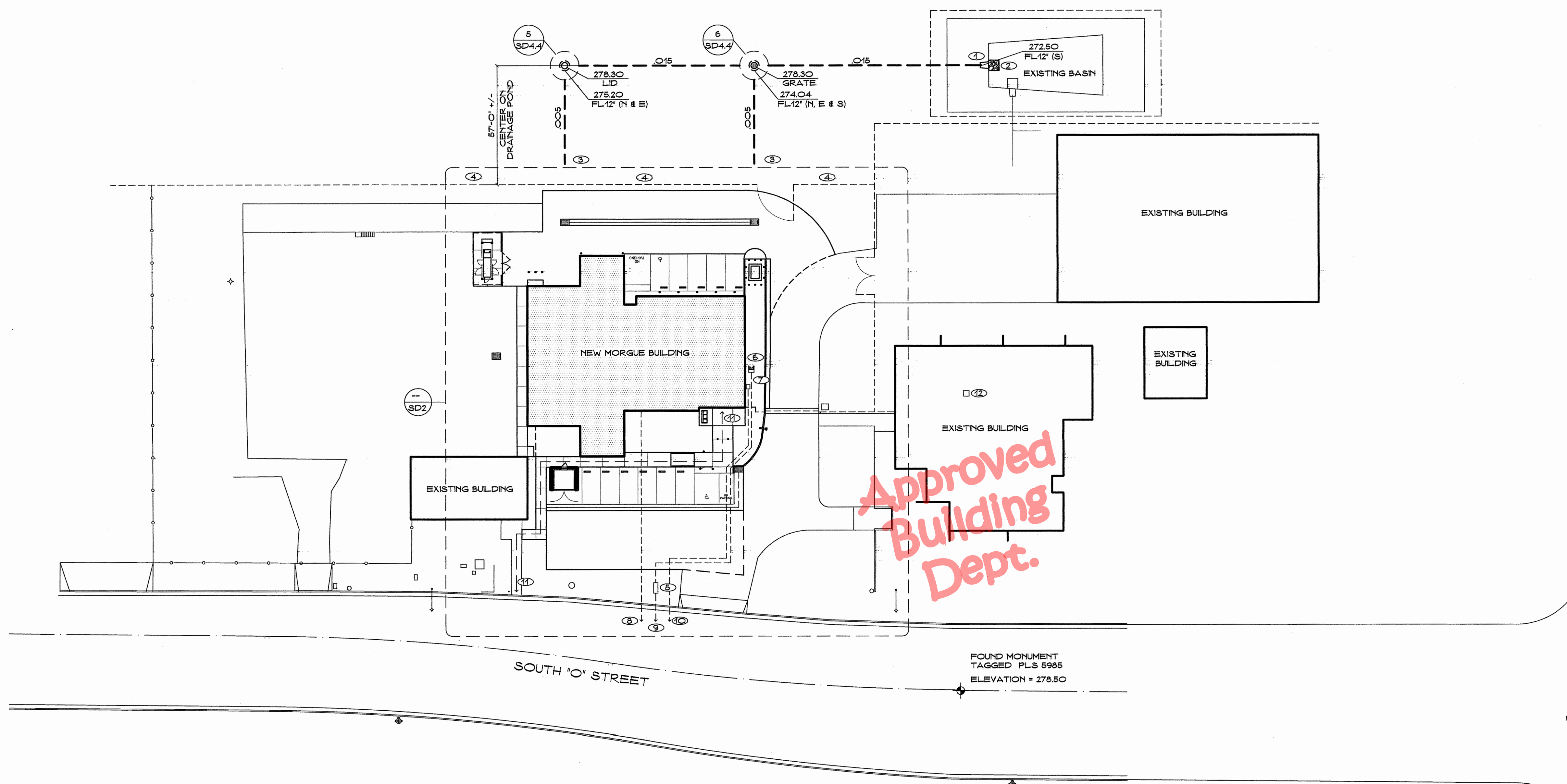
**KEY NOTES (THIS SHEET ONLY)**

- |  |  |  |
|--|--|--|
| ① REMOVE EDGE BARRIER FROM (E) ASPHALT PAVING - PROTECT PAVING - COORDINATE WITH SHEET SD2 | ⑦ REMOVE (E) LANDSCAPE PLANTS FROM THIS AREA - REFER TO SHEET L1 FOR IRRIGATION DEMO   | ⑬ (E) FENCE AND GATE TO REMAIN - PROTECT   |
| ② (E) ASPHALT PAVING TO REMAIN - PROTECT   | ⑧ REMOVE (E) TREE AND RELATED ROOT SYSTEM  | ⑭ (E) DRIVE APPROACH TO REMAIN - PROTECT   |
| ③ SAW CUT (E) ASPHALT PAVING WHERE NEWER PAVING MEETS DAMAGED OLDER PAVING                 | ⑨ REMOVE DESIGNATED PORTION OF (E) CHAIN LINK FENCE AND POSTS AND FOOTINGS - PROTECT REMAINDER OF FENCE - REFER TO SHEET SD2 | ⑮ (E) FENCE TO REMAIN - PROTECT  |
| ④ REMOVE (E) DAMAGED ASPHALT PAVING AND SUB-BASE   | ⑩ REMOVE (E) GATE  | ⑯ TEMPORARILY GRADE THIS PORTION OF SITE AFTER PAVING DEMO TO ALLOW OWNER TO CONTINUE TO ACCESS FACILITIES UNTIL (N) REPLACEMENT PAVING IS INSTALLED |
| ⑤ REMOVE (E) CONCRETE WHEEL STOP, SIGN AND POST  | ⑪ REMOVE (E) AREA LIGHT INCLUDING FOOTING AND RELATED CONDUIT AND FEEDERS  |  |
| ⑥ REMOVE (E) CONCRETE WALK   | ⑫ (E) CONCRETE RAMP TO REMAIN - PROTECT  |  |

**SELECT SITE DEMOLITION**



TULARE COUNTY  
 PUBLIC WORKS DEPARTMENT  
 Plan Review Complete, Okay To Issue Permit  
 Reviewed By: VSandoval 02/01/2024



KEY NOTES (THIS SHEET ONLY)

- |  |   |
|--|---|
| ① CONSTRUCT (N) OUTFALL STRUCTURE IN (E) BASIN PER TULARE COUNTY STANDARDS | ⑧ (N) SEWER SERVICE PER PLUMBING  |
| ② RIP-RAP EROSION CONTROL PER TULARE COUNTY STANDARDS                      | ⑨ (N) WATER SERVICE PER PLUMBING  |
| ③ REFER TO SHEET SD3 FOR CONTINUATION                                      | ⑩ (N) GAS SERVICE PER PLUMBING  |
| ④ (E) FENCE TO REMAIN  | Ⓐ ACCESSIBLE ROUTE TO PUBLIC WAY  |
| ⑤ (N) BACKFLOW DEVICE PER PLUMBING   | Ⓒ APPROXIMATE LOCATION OF (E) DATA CLOSET - FIELD VERIFY - ROUTE (N) DATA FEED CONCEALED OVERHEAD - REFER TO SHEET SD2 AND ELECTRICAL |
| ⑥ (N) BOOSTER PUMP PER PLUMBING  |   |
| ⑦ (N) GAS METER PER PLUMBING   |   |

LEGEND

--- 12" DIAMETER PVC STORM DRAIN PIPE PER TULARE COUNTY STANDARDS

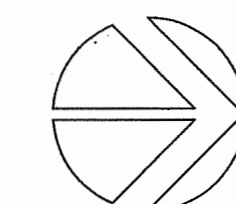
PLANS AND SPECIFICATIONS MUST MEET  
 2022 CBC 2022 CPC 2022 CMC  
 2022 CEC AND SUPPLEMENTAL CODES

TULARE COUNTY  
 RESOURCE MANAGEMENT AGENCY  
 Building permit review  
 PLANNING  
 January 31, 2024  
 PERMIT: A2302173  
 BY: MPescador1

COUNTY OF TULARE  
 RESOURCE MANAGEMENT AGENCY  
 BUILDING PERMIT NO. A2302173  
**APPROVED**  
 PLAN CHECK ONLY  
 THIS APPROVAL SHALL NOT BE CONSTRUED TO BE A PERMIT FOR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE LATEST ADOPTED CALIFORNIA BUILDING CODE OR APPLICABLE OTHER STATE AND COUNTY LAWS  
 BY: kreynolds1 DATE: January 25, 2024

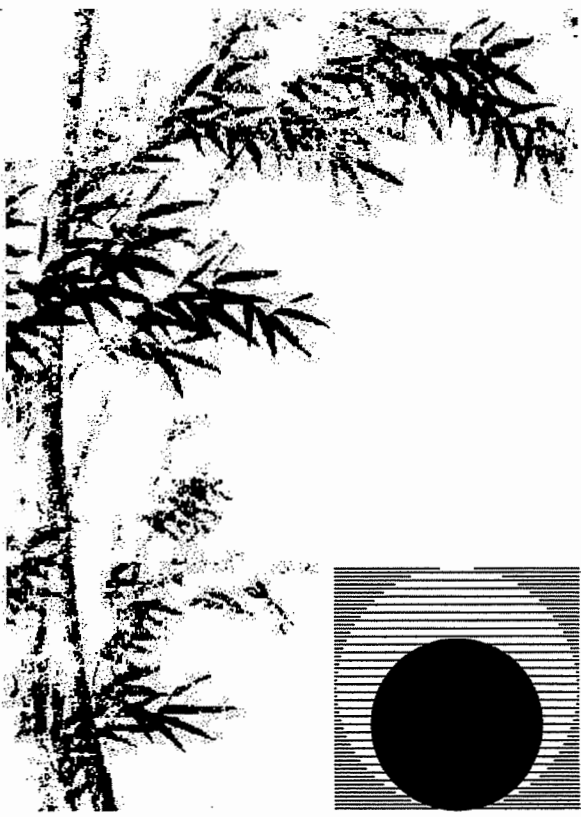
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CITY OF TULARE  
 BENCHMARK #45  
 ELEVATION = 278.84



SCALE: 1" = 30'-0"

MASTER SITE PLAN

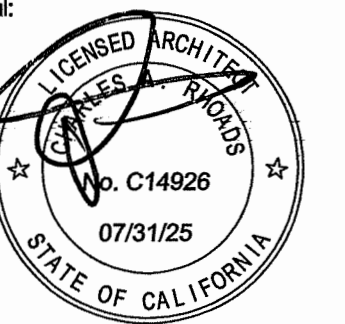


Chas Rhoads  
 Architecture  
 Interiors  
 Landscape

Postal Box 889 - Hanford - California - 93232  
 Phone: 559-584-3371

Email: chasrhoads@sbcglobal.net

Professional Seal:



Consultant:

Drawing Status:

Contract Document

Revision Summary:

PLAN CHECK

Project:

New Morgue Building  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:

Master Site Plan

Date: 11/16/23

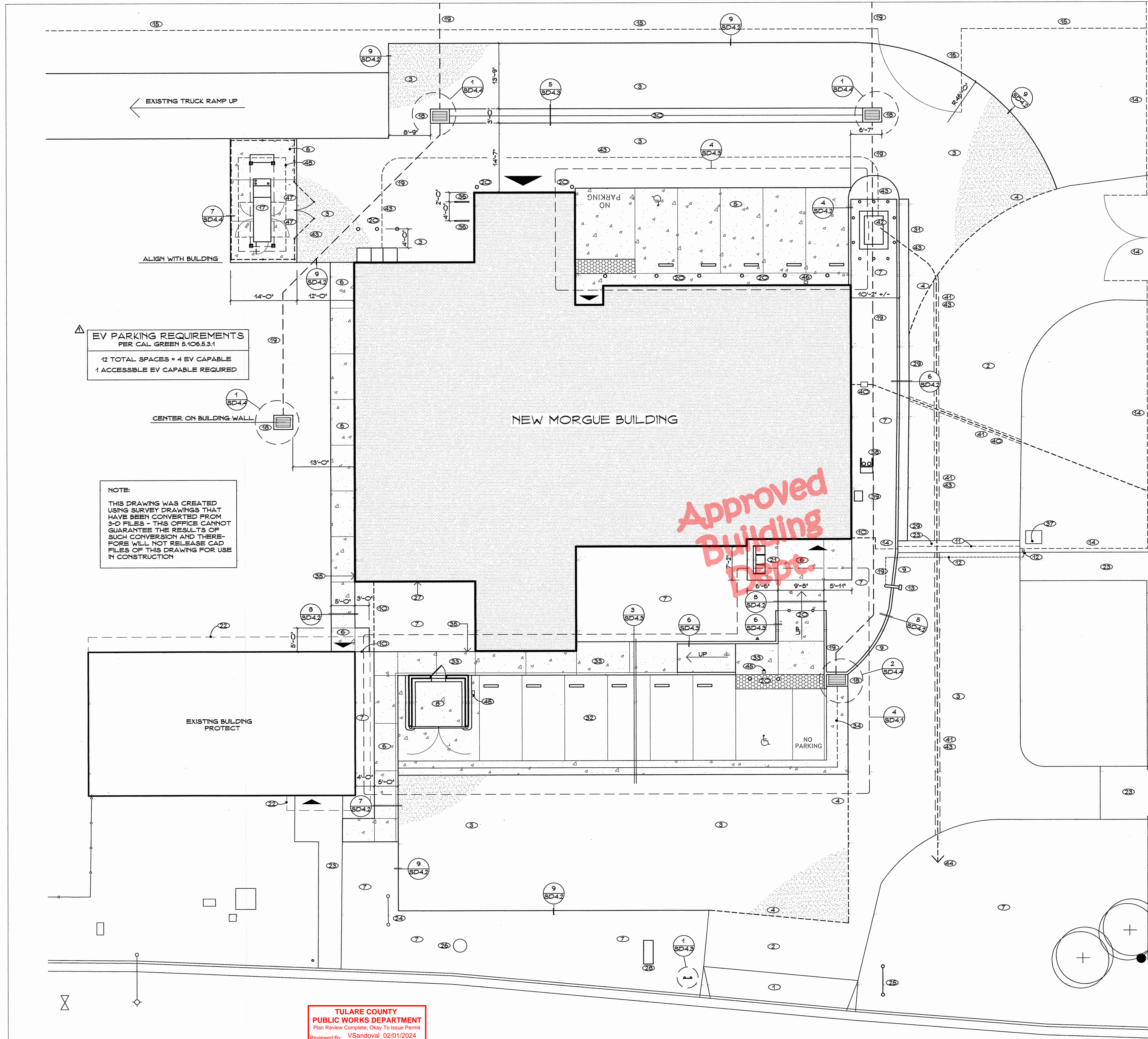
Project: 22-102

Scale: 1" = 30'

Sheet No.:

SD1

Of 7 Sheets



**KEY NOTES (THIS SHEET ONLY)**

- 1 (E) CONCRETE DRIVE APPROACH
- 2 (E) ASPHALT PAVING
- 3 (N) ASPHALT PAVING PER (1) SD4.4
- 4 (N) ASPHALT FLUSH WITH (E) ASPHALT
- 5 (N) CONCRETE PARKING AREA PER (2) SD4.4
- 6 (N) 4" THICK CONCRETE FLATWORK AS DETAILED - SCORE LINES AS SHOWN
- 7 PLANTING AREA - REFER TO LANDSCAPE DRAWINGS
- 8 (N) TRASH ENCLOSURE AS DETAILED
- 9 (N) CONCRETE CURB AT EDGE OF (E) ASPHALT PAVING - PATCH ASPHALT TO MATCH
- 10 (N) CHAINLINK FENCE PER (7) SD4.4
- 11 (E) ROLLING GATE - ADD (N) VINYL PRIVACY SLATS
- 12 (E) GATE KEYPAD TO BE RE-ROUTED TO (N) LOCATION - CUT & PATCH (E) ASPHALT AS REQUIRED
- 13 (N) POST-MOUNTED CARD READER TO CONTROL (E) GATE
- 14 (E) CHAIN LINK FENCE - ADD (N) VINYL PRIVACY SLATS
- 15 (E) CHAIN LINK FENCE - ADD (N) VINYL PRIVACY SLATS - TYPICAL FOR FULL WESTERN LENGTH OF (E) FENCE
- 16 (E) CHAIN LINK GATE - ADD (N) VINYL PRIVACY SLATS
- 17 (N) GENERATOR IN (N) CHAIN LINK ENCLOSURE - ADDITIVE ALTERNATE BID 1
- 18 (N) STORM DRAIN CATCH BASIN AS DETAILED
- 19 (N) STORM DRAIN PIPING PER SHEET SD3
- 20 (N) BOLLARDS PER (2) SD4.3
- 21 (N) BENCH PER SPECS SECTION C2870
- 22 LINE OF (E) ROOF OVERHANG
- 23 (E) CONCRETE FLATWORK - PROTECT
- 24 (E) SIGN TO BE RE-LOCATED
- 25 (N) LOCATION OF (E) SIGN
- 26 (E) AT&T VAULT - PROTECT
- 27 THIS WALL SERVES AS 4-HOUR RATED SEPARATION PER UL #904
- 28 (N) BACKFLOW DEVICE PER PLUMBING
- 29 (N) CONCRETE CURB/GUTTER AT EDGE OF (E) ASPHALT PAVING - PATCH (E) ASPHALT TO MATCH
- 30 CONCRETE V-GUTTER PER (5) SD4.3
- 31 (N) CONCRETE CURB/GUTTER AT EDGE OF (N) ASPHALT PAVING
- 32 (N) CONCRETE PARKING AREA WITH INTEGRAL V-GUTTER PER (3) SD4.3
- 33 (N) CONCRETE CURB/WALK PER (3) SD4.3
- 34 WARP THIS SECTION OF (N) CONCRETE TO CREATE DRAIN CHANNEL DOWN TO INLET - EDGE TO MATCH (E) ASPHALT
- 35 ALIGN (N) BUILDING WITH WALL OF (E) BUILDING
- 36 (N) BIKE RACK PER SPECS SECTION C2870
- 37 ADD REQUIRED COMPONENTS TO (E) GATE CONTROLLER TO ALLOW GATE OPERATION VIA RADIO SIGNAL
- 38 (N) BOOSTER PUMP PER PLUMBING
- 39 (N) GAS METER PER PLUMBING
- 40 (N) CONDUITS AND PULL BOXES PER ELECTRICAL FOR DATA - SEE SHEET SD1 FOR CONTINUATION INTO (E) BUILDING
- 41 SAW CUT (E) ASPHALT FOR NEW CONDUITS - PATCH TO MATCH
- 42 (N) PAD MOUNT TRANSFORMER PER ELECTRICAL
- 43 (N) CONDUITS PER ELECTRICAL FOR POWER FEEDERS
- 44 EXTEND PER ELECTRICAL
- 45 PROVIDE INFRASTRUCTURE FOR FUTURE SINGLE EV CHARGING STATION
- 46 PROVIDE INFRASTRUCTURE FOR FUTURE DUAL EV CHARGING STATION
- 47 6'-0" CHAIN LINK GATE WITH PADLOCK
- 48 8" THICK CONCRETE UNDER GENERATOR - REFER TO ELECTRICAL DRAWINGS

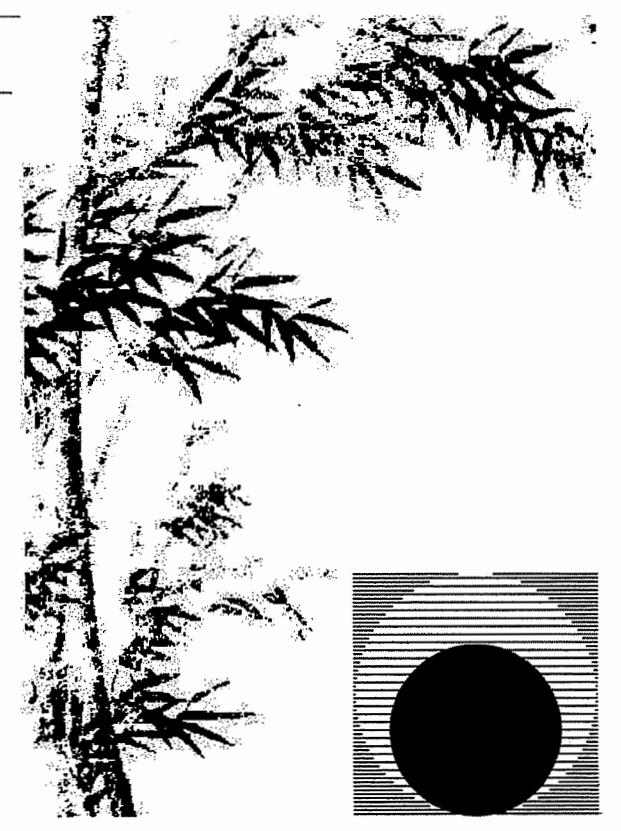
**EV PARKING REQUIREMENTS**  
PER CAL. GREEN 5.10&5.3.1

- 12 TOTAL SPACES = 4 EV CAPABLE
- 1 ACCESSIBLE EV CAPABLE REQUIRED

**NOTE:**  
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**TULARE COUNTY**  
**RESOURCE MANAGEMENT AGENCY**  
 Building permit review  
**PLANNING**  
 January 31, 2024  
 PERMIT: A2302173  
 BY: MPescador1

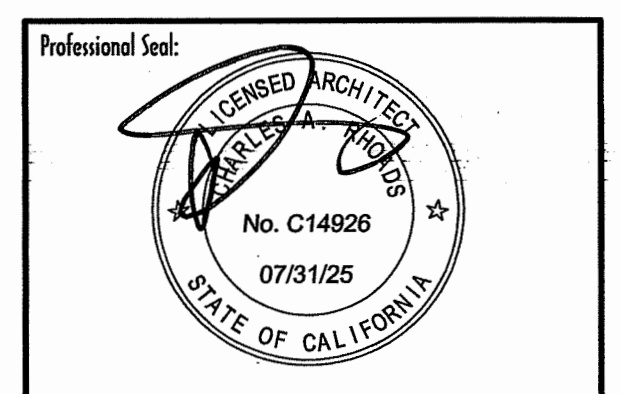
**TULARE COUNTY**  
**PUBLIC WORKS DEPARTMENT**  
 Plan Review Complete, Okay To Issue Permit  
 Reviewed By: VSandoval 02/01/2024



**Chas Rhoads**  
Architecture  
Interiors  
Landscape

Postal Box 889 - Hanford - California - 93232  
Phone: 559 - 584 - 3371

Email: chasrhoads@sbcglobal.net



Consultant:  
  
Drawing Status:

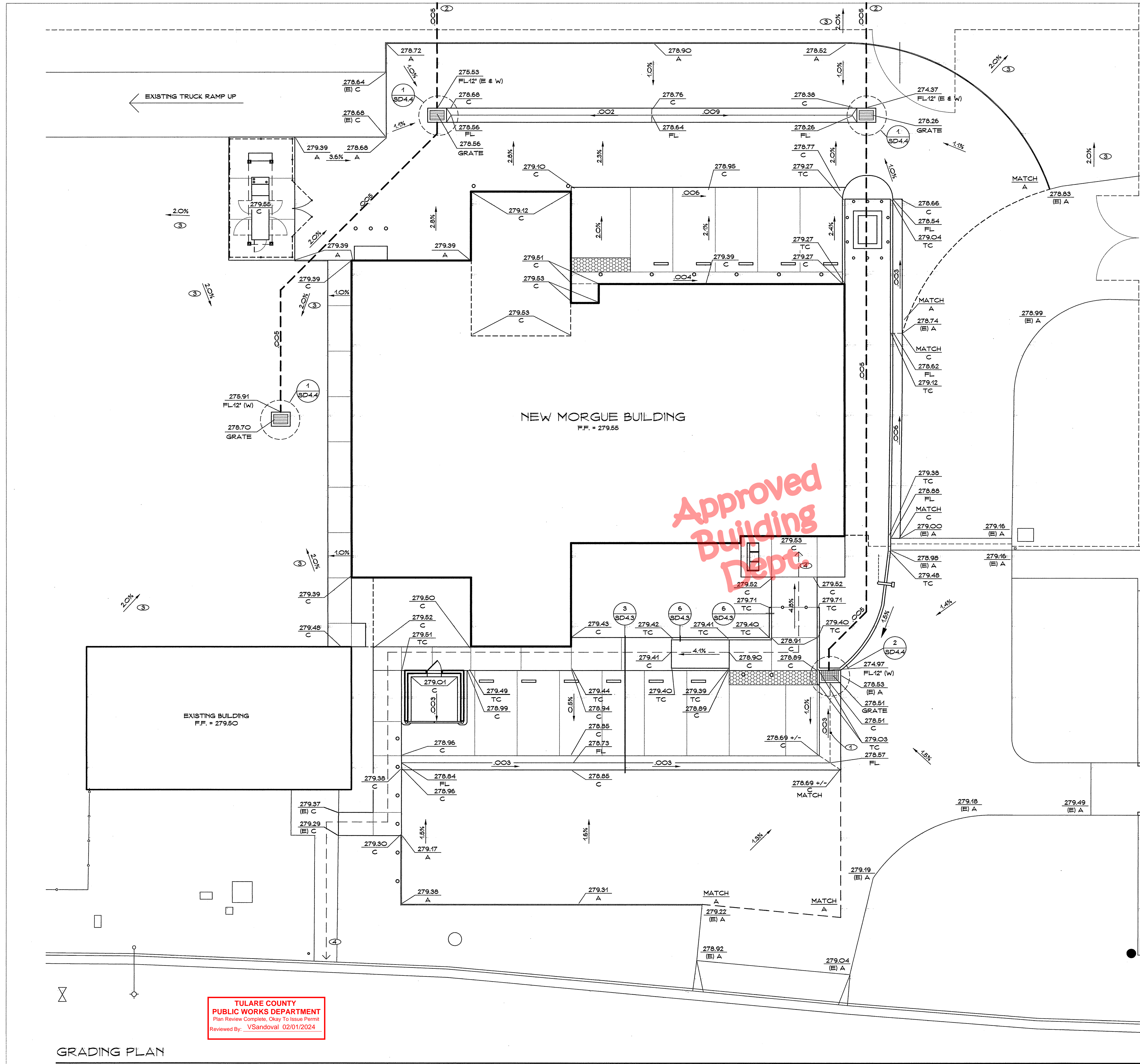
**Contract Document**

Revision Summary:  
 1 PLAN CHECK

Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

Sheet Description:  
**Site Development Plan**

Date: 11/16/23  
 Project: 22-102  
 Scale: 1" = 10'  
 Sheet No.: **SD2**  
 Of 7 Sheets



**LEGEND**

- XX (E) A EXISTING ASPHALT
- XX A NEW ASPHALT
- XX (E) C EXISTING CONCRETE
- XX C NEW CONCRETE
- XX FL NEW FLOW LINE
- XX TC NEW TOP OF CURB
- 12" DIAMETER PVC STORM DRAIN PIPE PER TULARE COUNTY STANDARDS

**GENERAL NOTES**

ALL SOILS WORK AND GRADING SHALL BE PERFORMED PER THE REQUIREMENTS OF 'SOILS INVESTIGATION - NEW MORGUE LOCATED AT 1225 SOUTH 'O' STREET TULARE, CA' AS PREPARED BY DC INSPECTIONS AND DATED MARCH 03, 2023. THE CONTRACTOR SHALL OBTAIN A COPY OF THIS INVESTIGATION FROM THE OWNER AND FULLY COMPLY WITH ITS REQUIREMENTS.

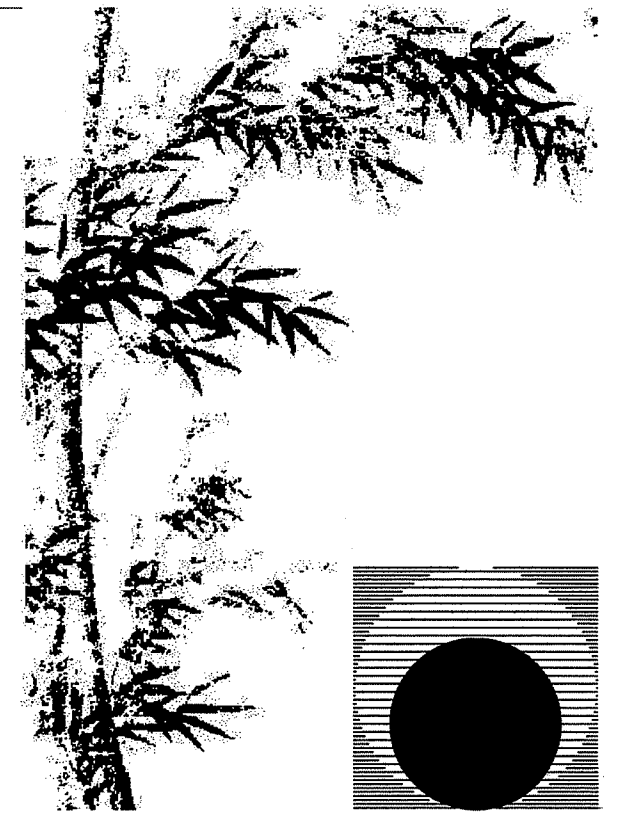
REFER TO SHEET SD1 FOR BENCHMARK DATA

100% OF TREES, STUMPS, ROCKS AND ASSOCIATED VEGETATION AND SOILS RESULTING PRIMARILY FROM LAND CLEARING SHALL BE REUSED OR RECYCLED

**KEY NOTES (THIS SHEET ONLY)**

- ① WARP THIS SECTION OF CONCRETE TO CREATE DRAIN CHANNEL DOWN TO INLET - EDGE TO MATCH (E) ASPHALT
- ② SEE SHEET SD1 FOR CONTINUATION
- ③ GRADE SOIL AS INDICATED
- ④ ACCESSIBLE PATH TO PUBLIC WAY

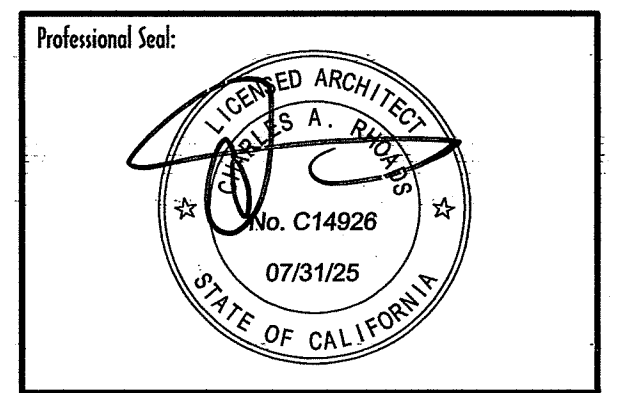
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**Chas Rhoads**  
Architecture  
Interiors  
Landscape

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Consultant:

Drawing Status:  
**Contract Document**

Revision Summary:  
△ PLAN CHECK

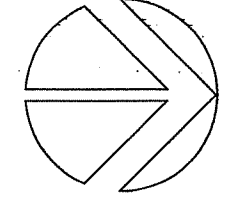
Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Grading Plan**

Date: 11/16/23  
Project: 22-102  
Scale: 1" = 10'  
Sheet No.: **SD3**  
Of 7 Sheets

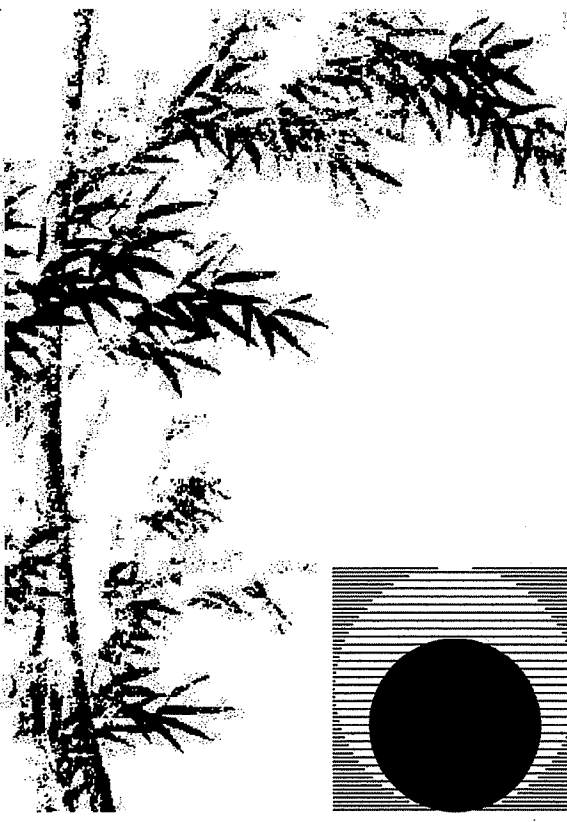
TULARE COUNTY  
PUBLIC WORKS DEPARTMENT  
Plan Review Complete, Okay To Issue Permit  
Reviewed By: VSandoval 02/01/2024

**GRADING PLAN**



SCALE: 1" = 10'

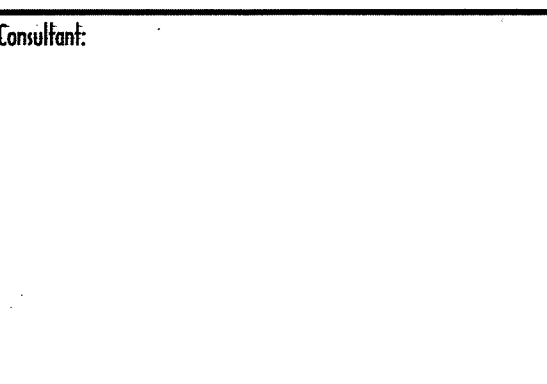
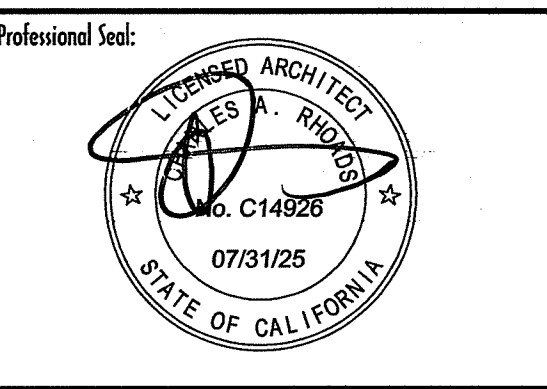
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Drawing Status:  
**Contract Document**

Revision Summary:  

1	PLAN CHECK

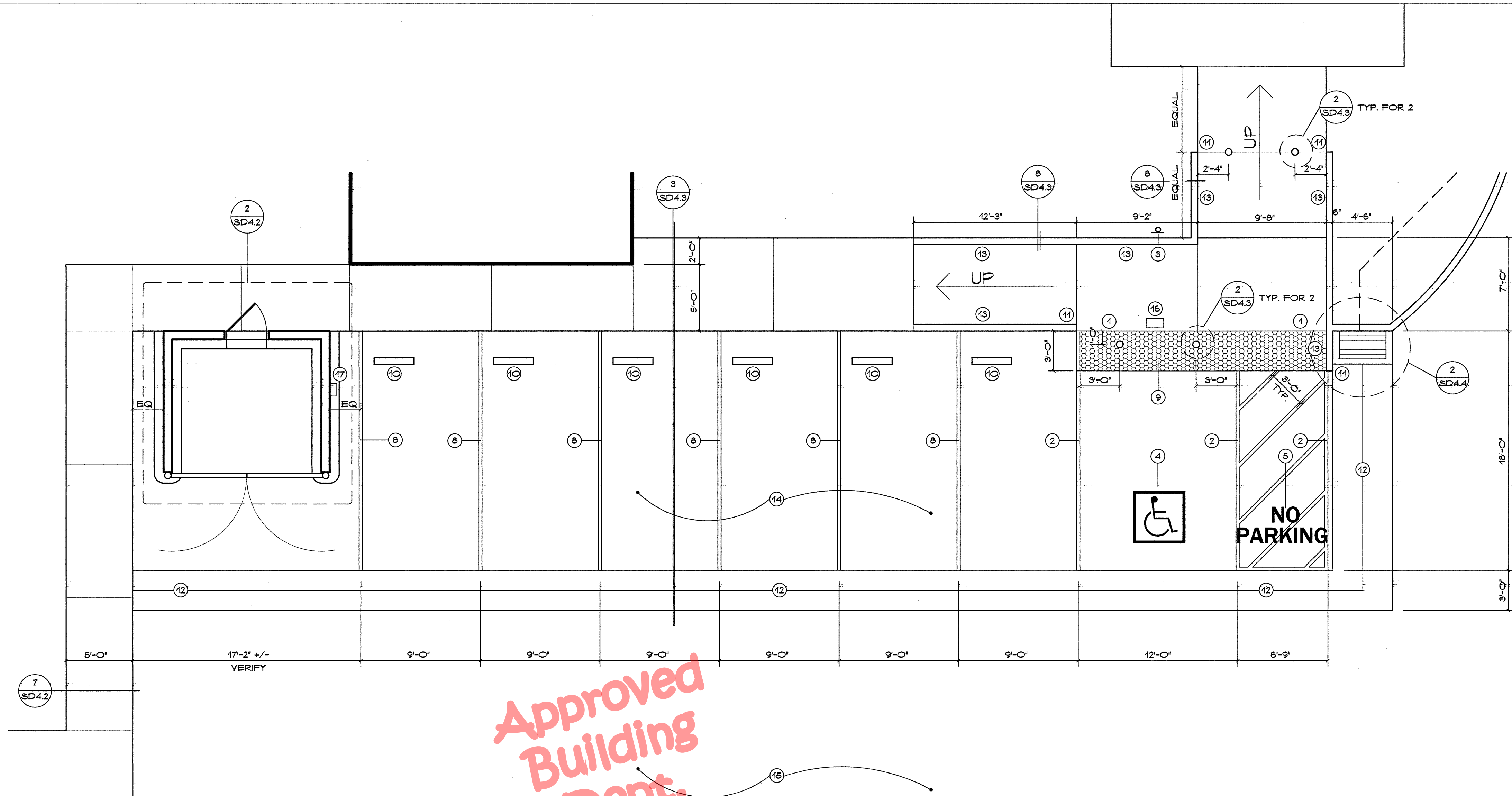
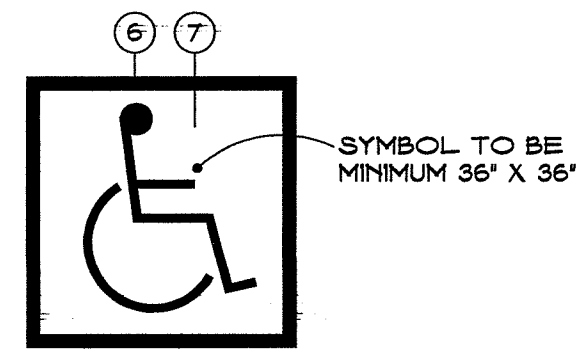
Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

Sheet Description:  
**Details**

Date: 11/16/23  
 Project: 22-102  
 Scale: Indicated

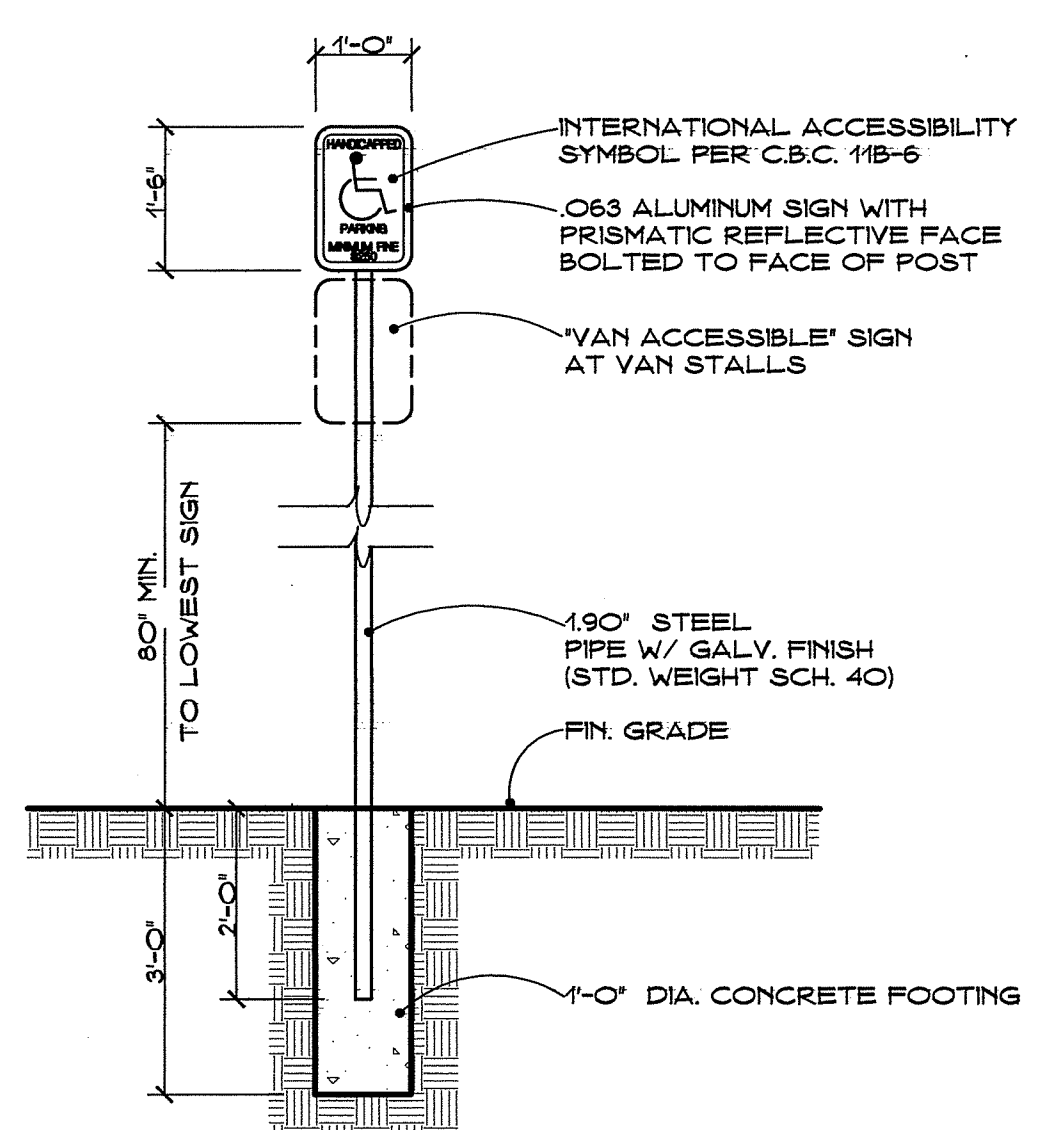
Sheet No.: **SD4.1**  
 Of 7 Sheets

- 1 PARKING AREA FLUSH WITH WALK (NO RAMP)
- 2 3' WIDE BLUE STRIPE
- 3 HANDICAP PARKING + VAN ACCESSIBLE SIGNS ON POLE PER (S)
- 4 36" X 36" HANDICAP SYMBOL PER CBC 1129.5 - SEE BELOW
- 5 12' TALL WHITE PAINTED LETTERS
- 6 4' WHITE STRIPE
- 7 BLUE FIELD
- 8 3' WHITE STRIPE, TYPICAL
- 9 2' HIGH TRUNCATED DOME WARNING SURFACE PER (3)
- 10 CONCRETE WHEEL STOP
- 11 ROLL CURB DOWN AT END
- 12 FLOW LINE PER GRADING PLAN
- 13 PAINT EXPOSED FACE OF CURB 'SAFETY YELLOW'
- 14 TYPICAL CONCRETE PAVING PER (2)
- 16 TYPICAL ASPHALT PAVING PER (1)
- 16 FUTURE FREE-STANDING EV CHARGER
- 17 FUTURE WALL-MOUNT EV CHARGER

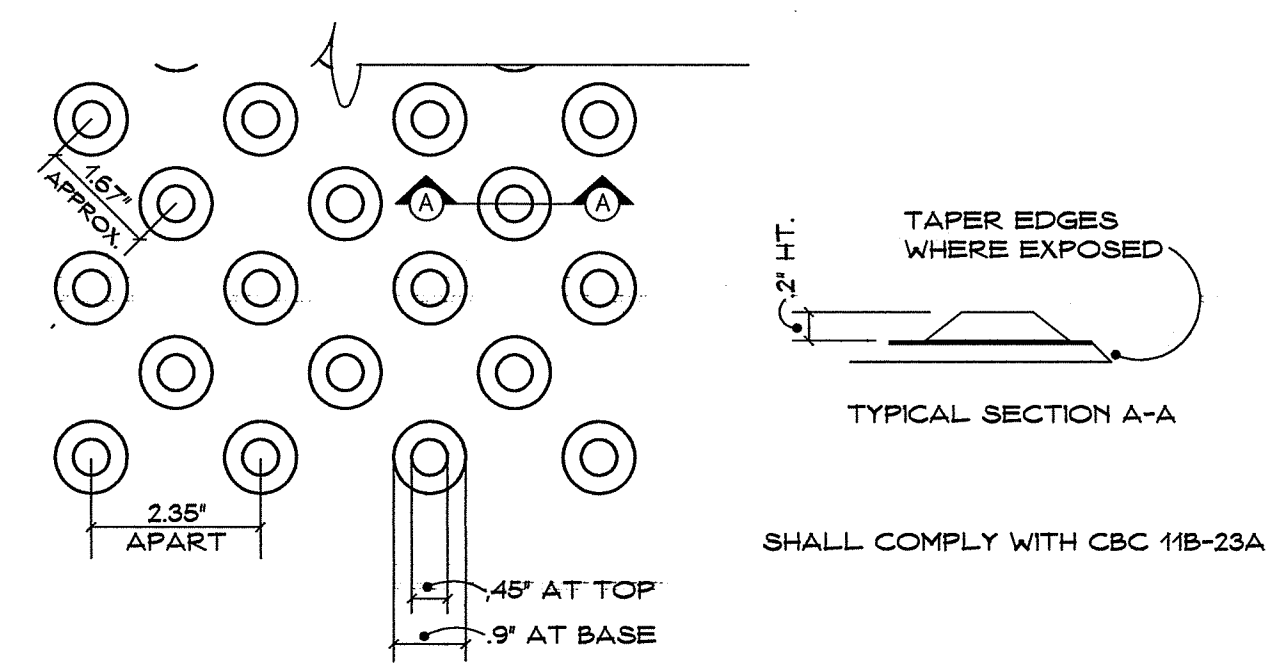


**Approved Building Dept.**

**4 EAST PARKING AREA**  
NO SCALE

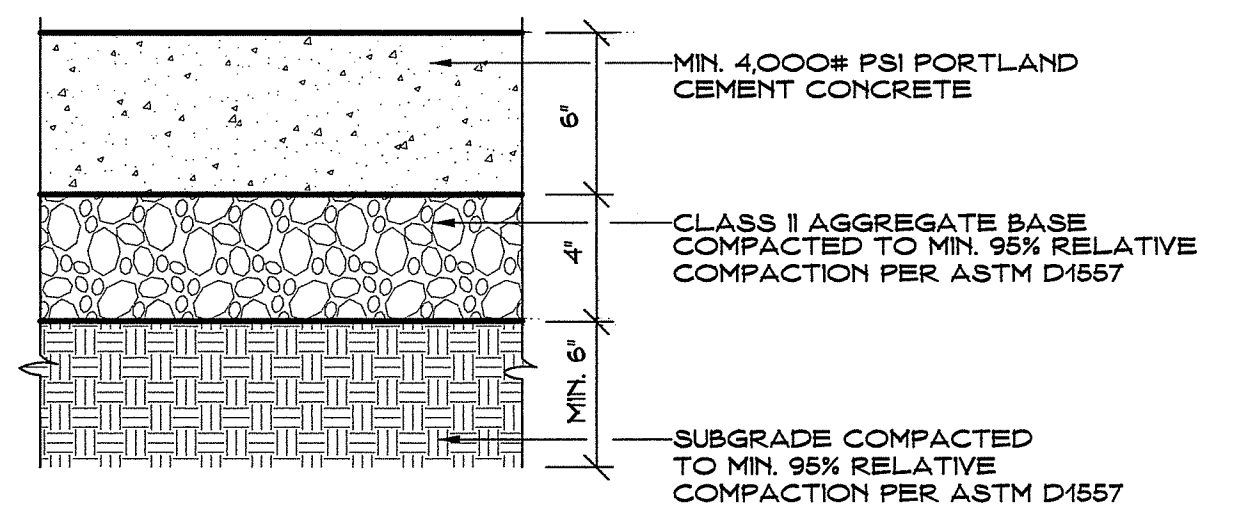


**5 ACCESSIBLE PARKING SIGN**  
NO SCALE



**3 TRUNCATED DOMES**  
NO SCALE

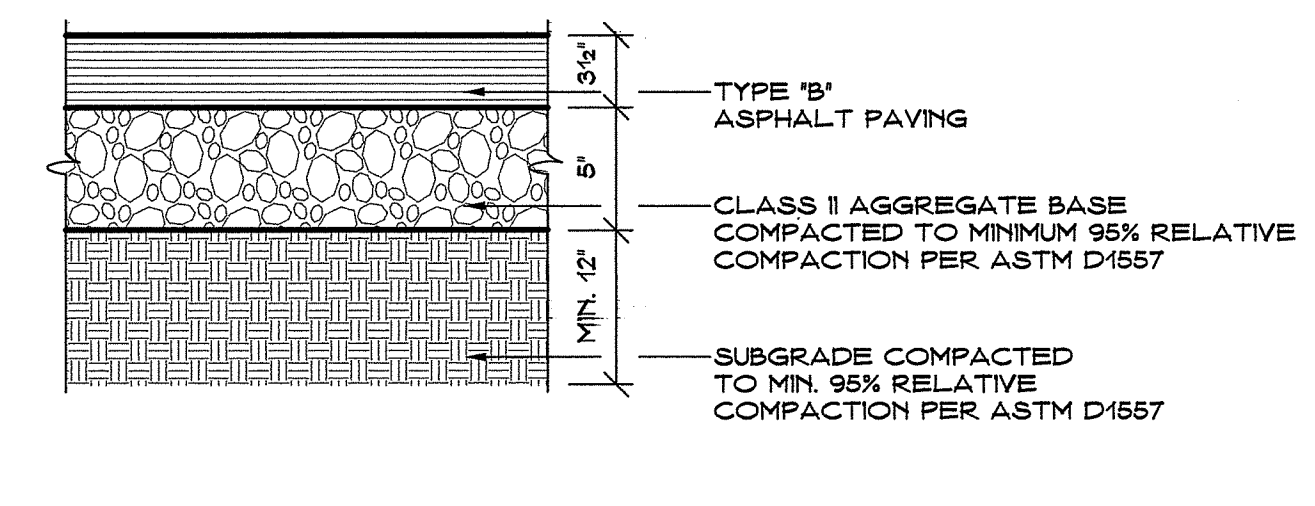
NOTES:  
 SHALL BE CAST-IN-PLACE STYLE - NO ANCHORED SYSTEMS ALLOWED  
 COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE



**2 TYPICAL CONCRETE PAVING**  
NO SCALE

PAVING SECTION BASED ON THE RECOMMENDATIONS CONTAINED IN 'SOILS INVESTIGATION - NEW MORGUE BUILDING AT 1225 SOUTH 'O' STREET TULARE, CA' AS PREPARED BY DC INSPECTIONS AND DATED 03/03/2023 AND SUPPLEMENTAL DOCUMENTS DATED 03/29/23

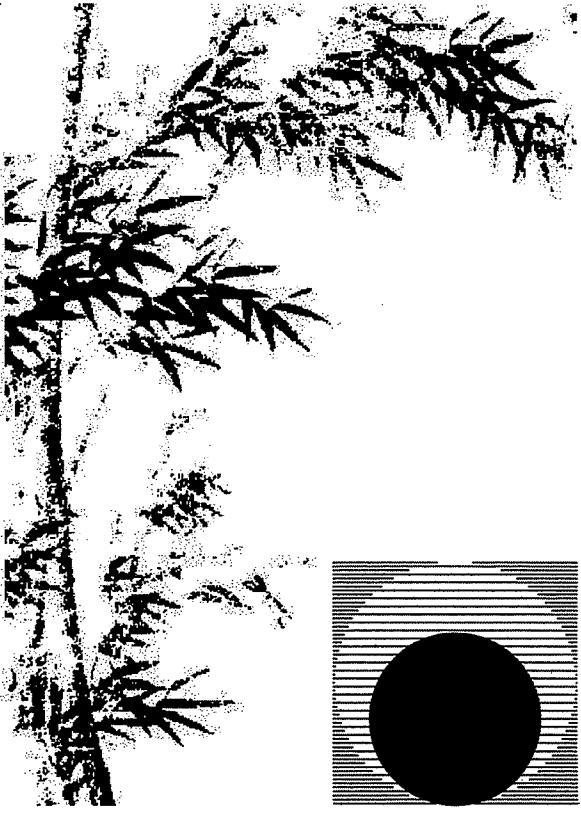
PAVING SECTION BASED ON ASSUMED TRAFFIC INDEX OF 6



**1 TYPICAL ASPHALT PAVING**  
NO SCALE

PAVING SECTION BASED ON THE RECOMMENDATIONS CONTAINED IN 'SOILS INVESTIGATION - NEW MORGUE BUILDING AT 1225 SOUTH 'O' STREET TULARE, CA' AS PREPARED BY DC INSPECTIONS AND DATED 03/03/2023 AND SUPPLEMENTAL DOCUMENTS DATED 03/29/23

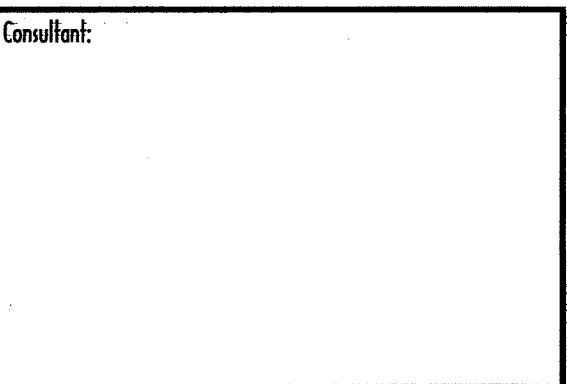
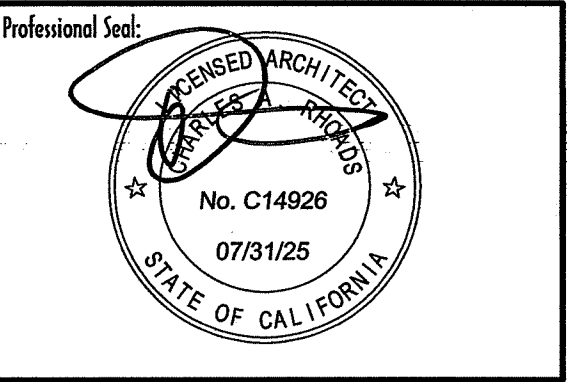
PAVING SECTION BASED ON ASSUMED TRAFFIC INDEX OF 6



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Drawing Status:

**Contract Document**

Revision Summary:


Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

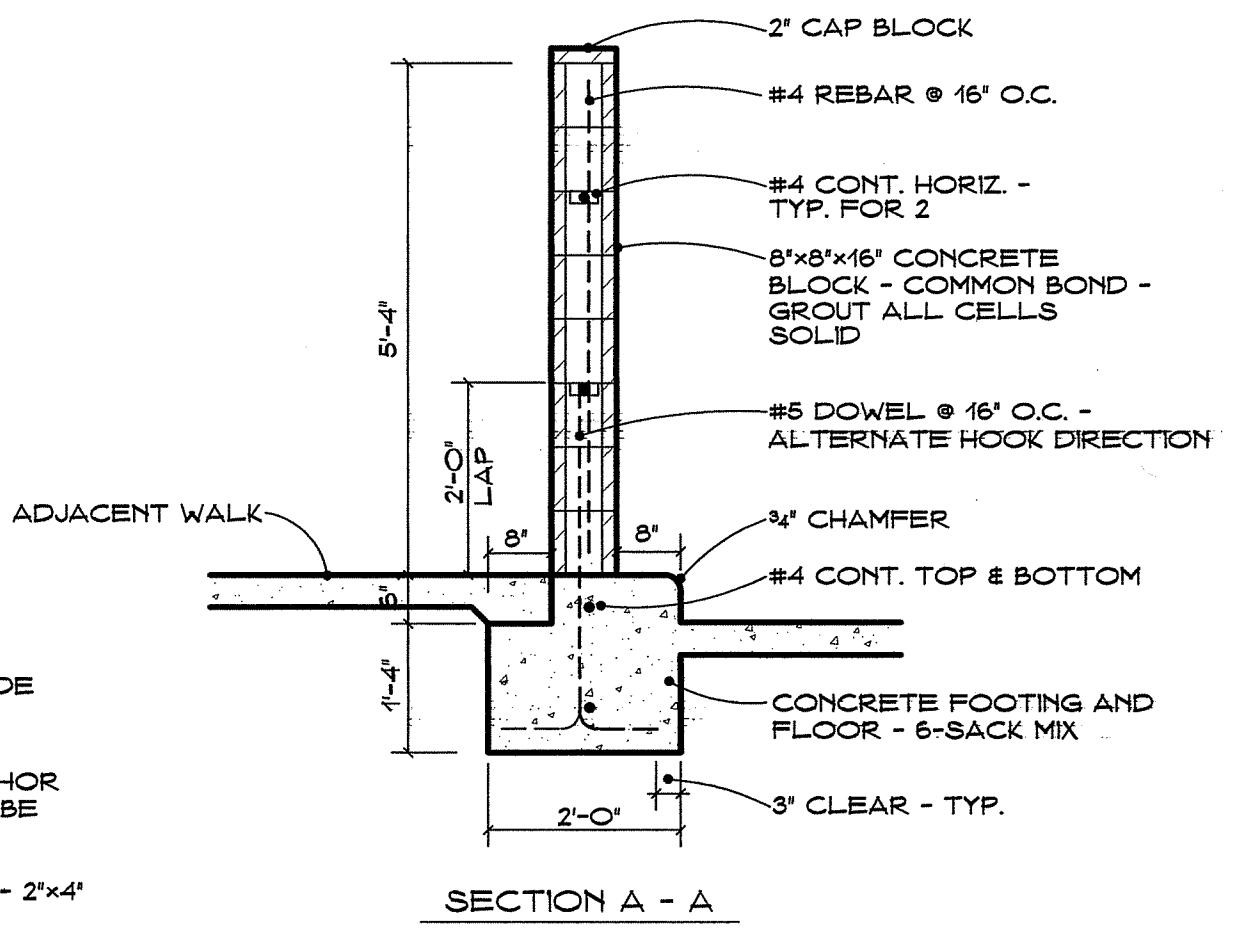
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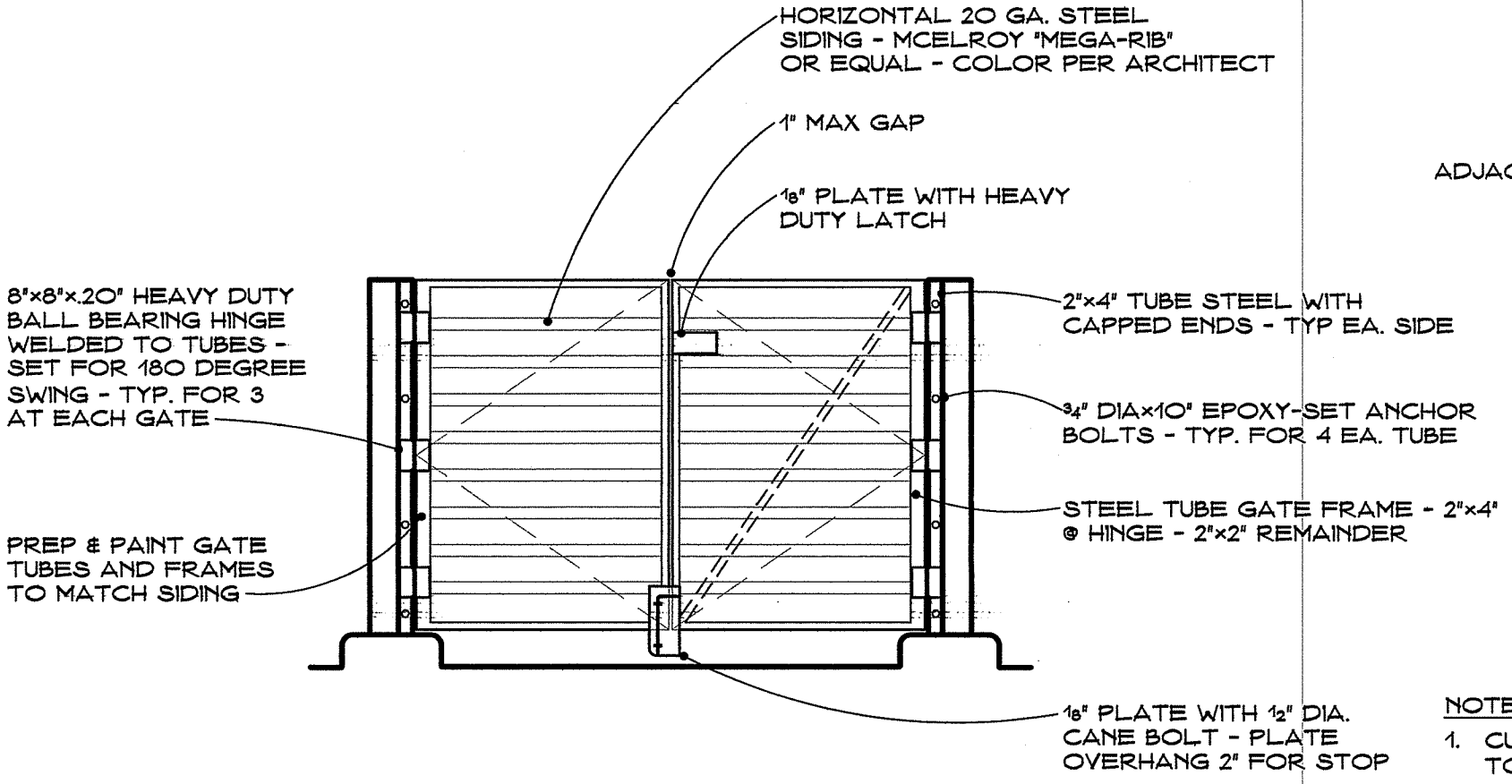
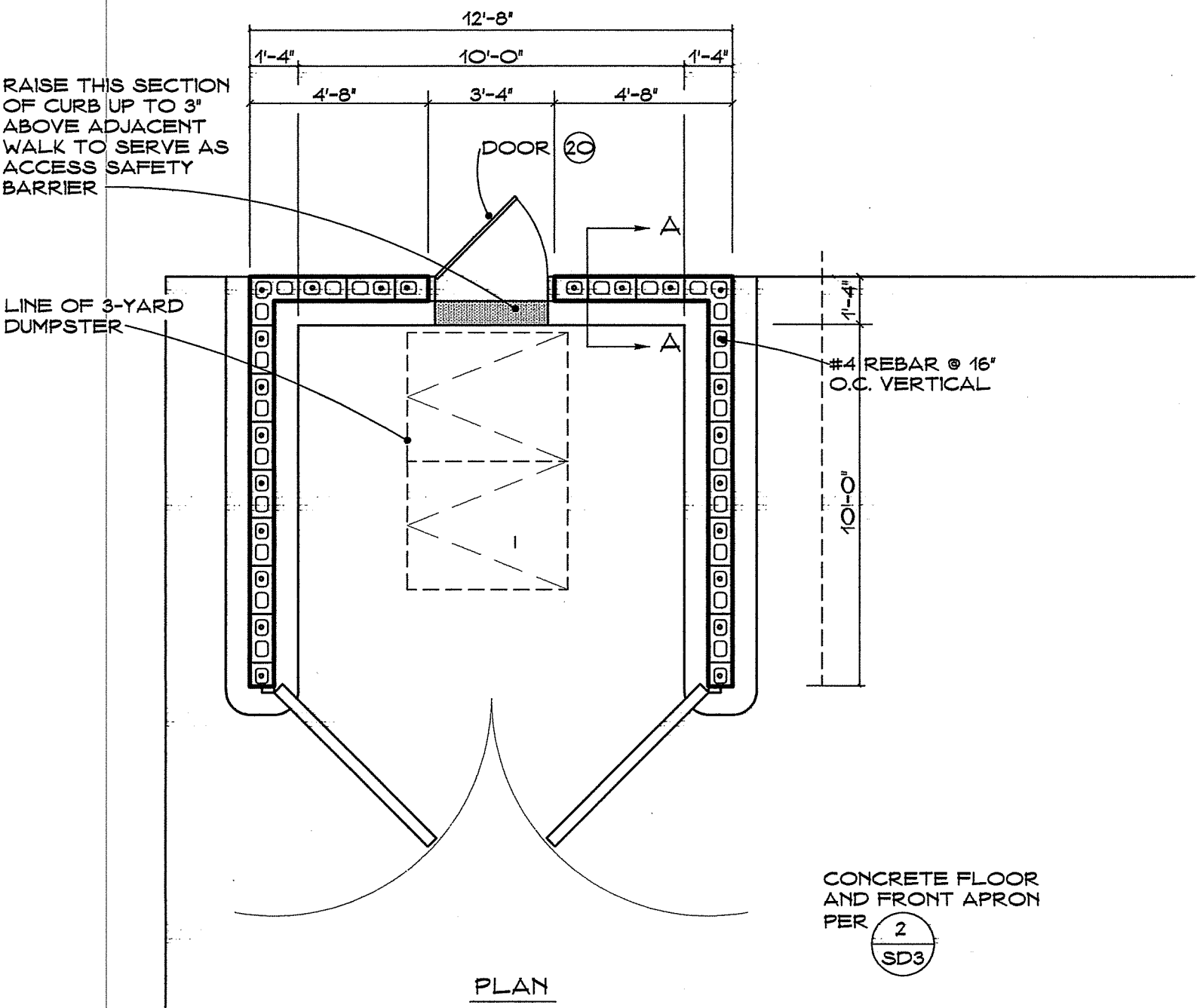
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Project: 22-102  
Scale: Indicated  
Sheet No.:

**SD4.2**

Of 7 Sheets

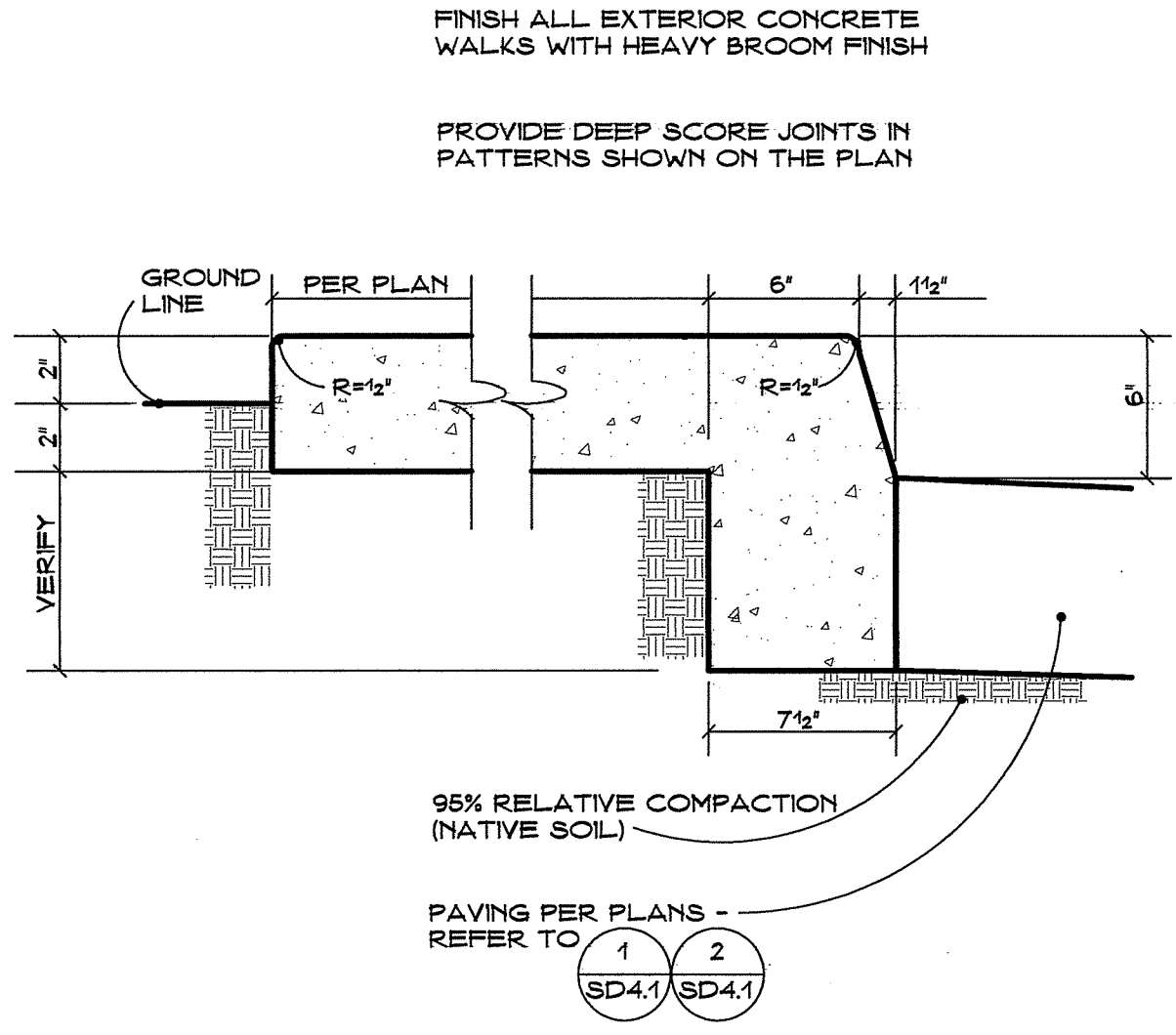


NOTES:  
1. CUT CORNER BLOCK ENDS AND CENTER WEB TO FORM A CONTINUOUS BOND BEAM.

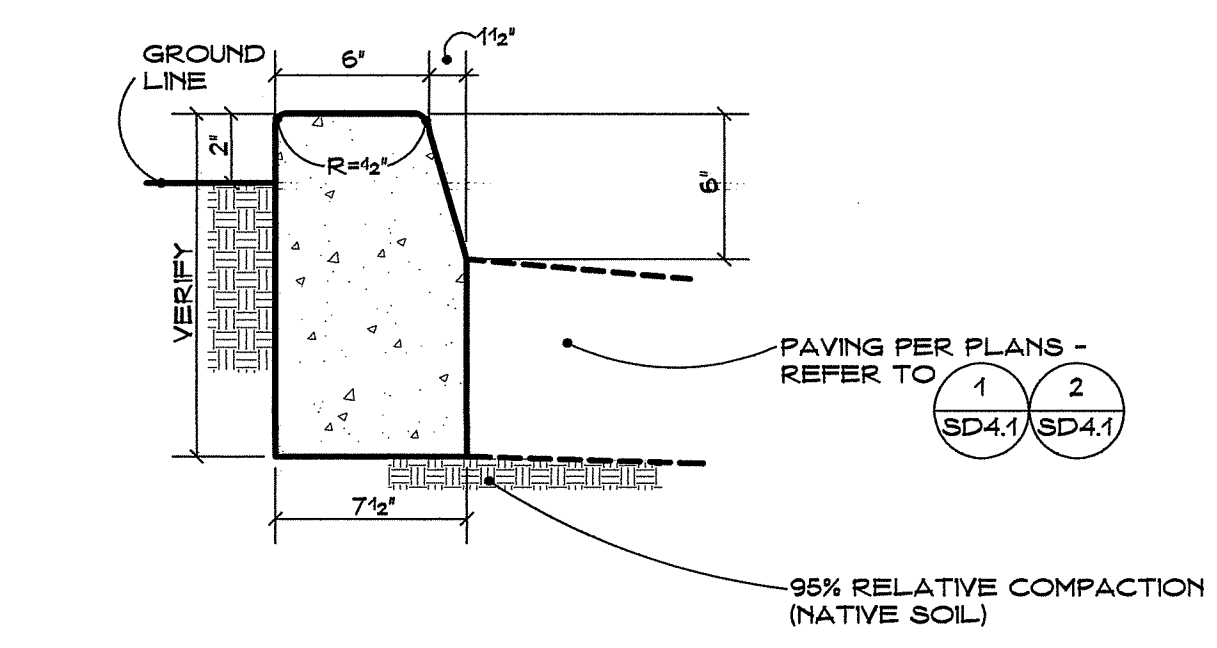


EXPOSED FACES OF CONCRETE MASONRY UNITS SHALL BE GROUND FACE - BASALITE #D-389, OR EQUAL - #8720 MORTAR  
PAINT ALL CONCRETE MASONRY SURFACES P-50 PER SPECIFICATIONS

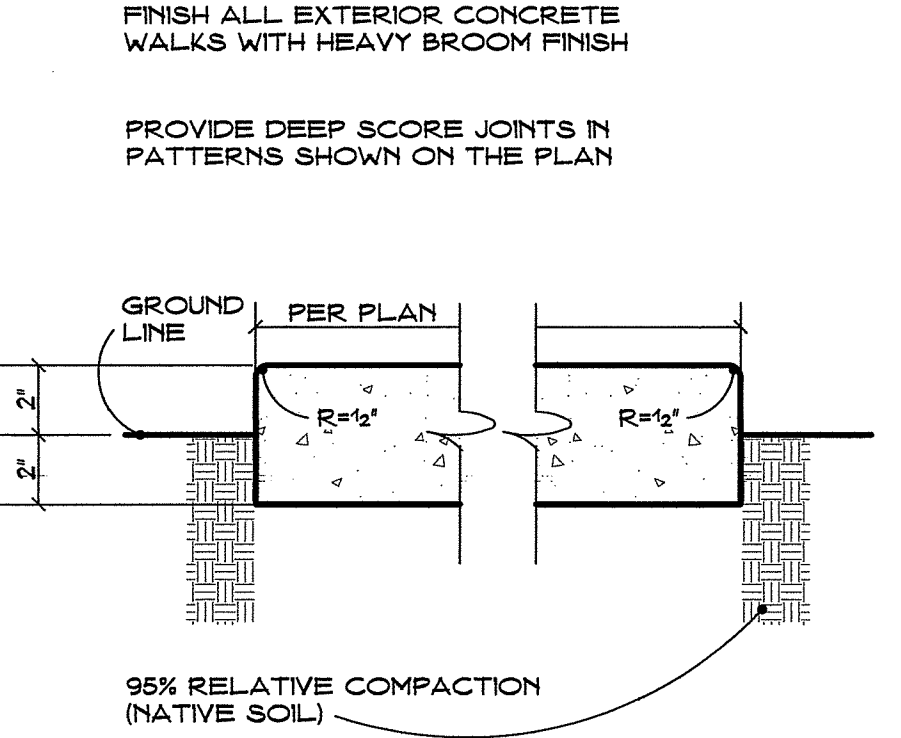
**Approved Building Dept.**



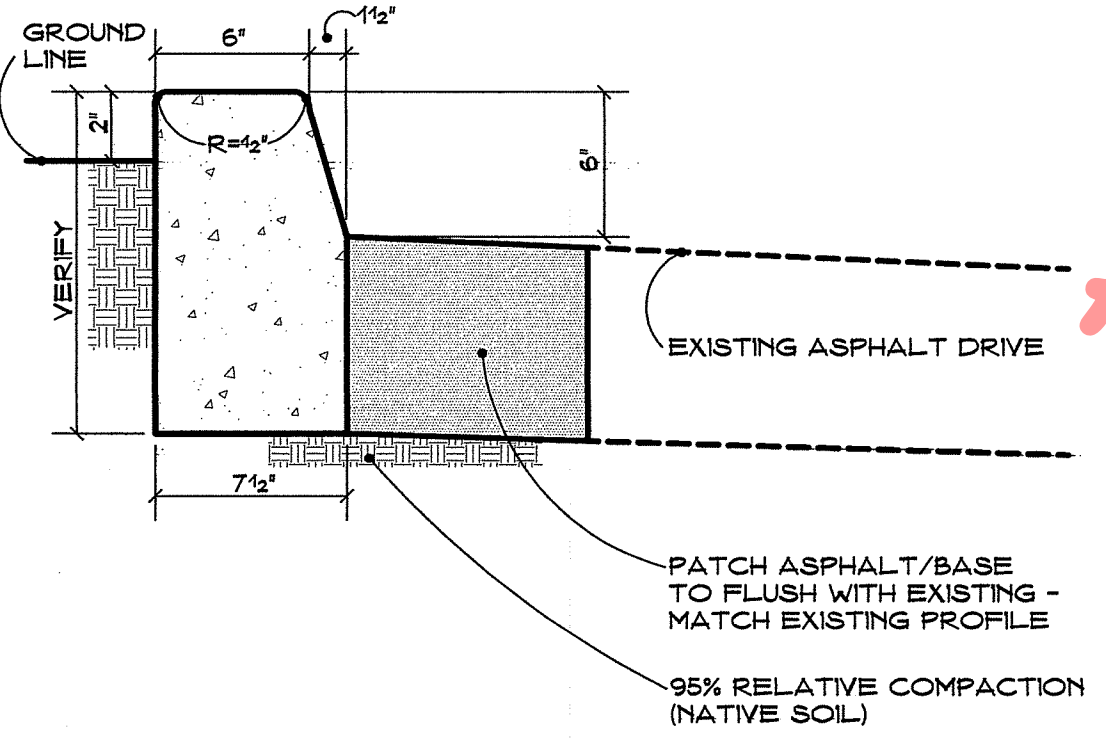
**7 CURB AND WALK**  
NO SCALE



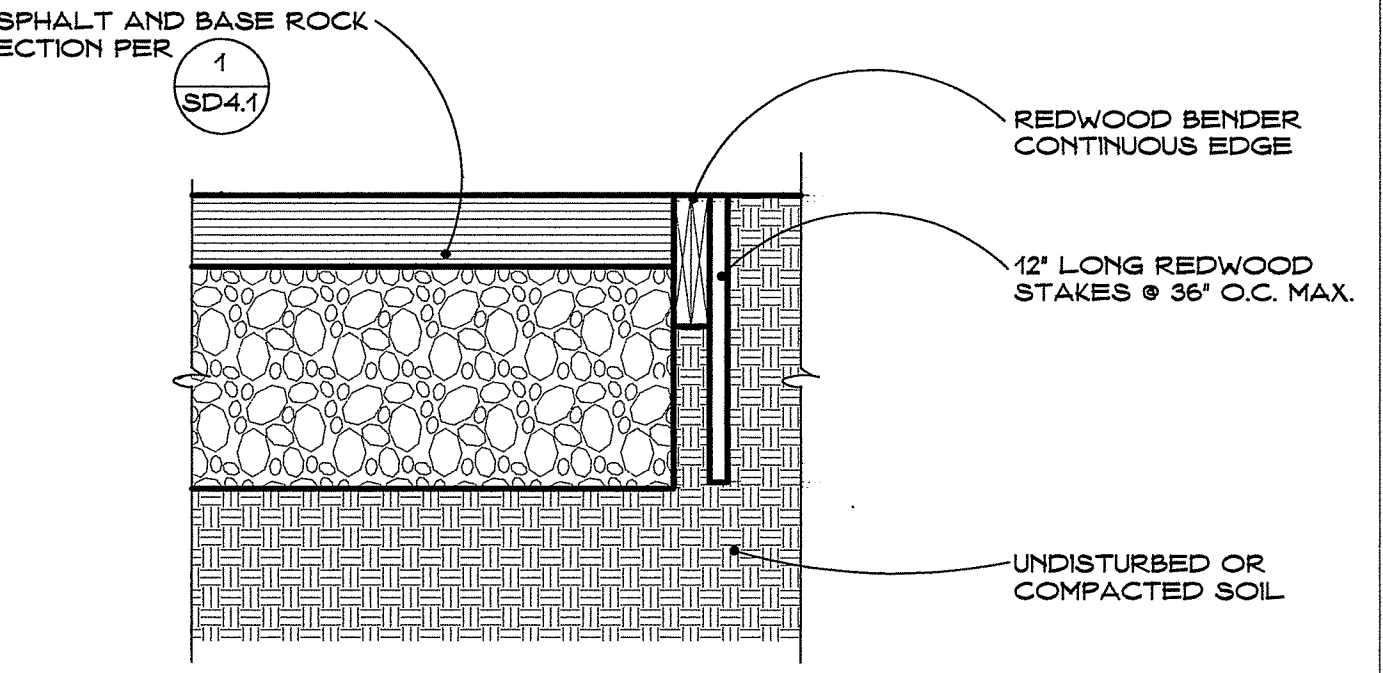
**4 CURB**  
NO SCALE



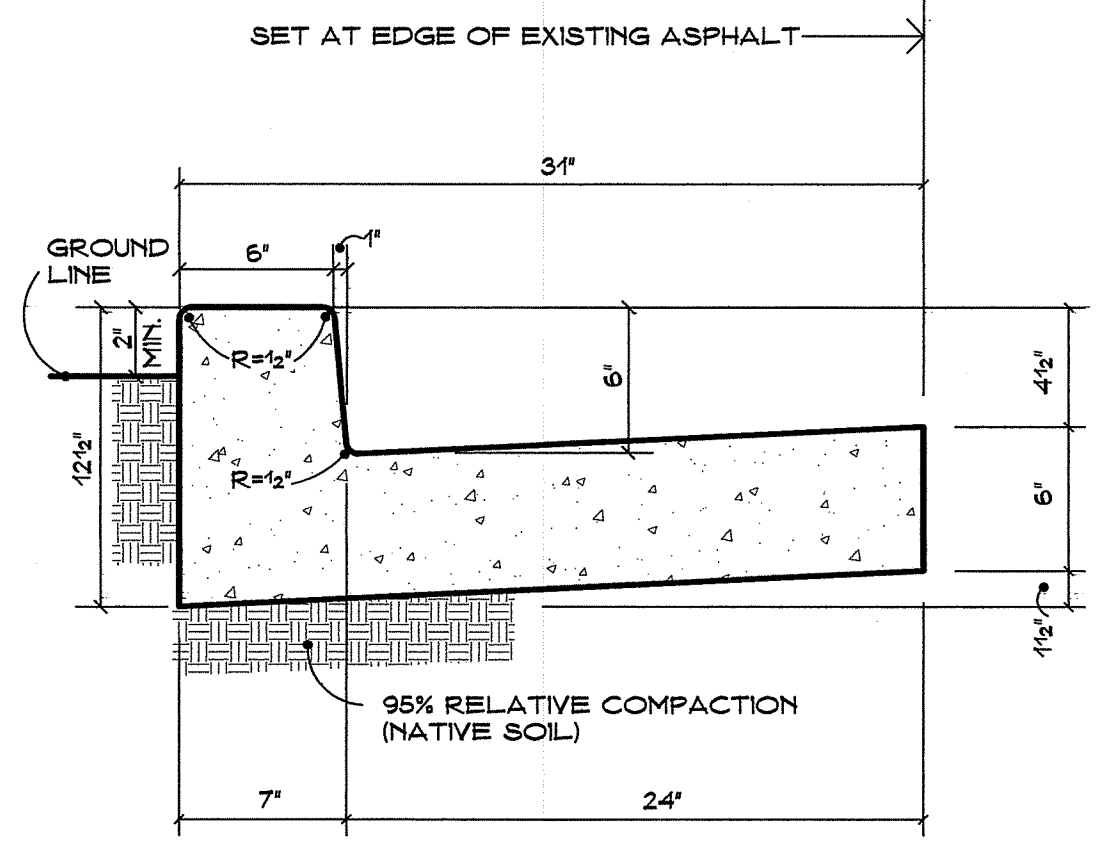
**8 WALK**  
NO SCALE



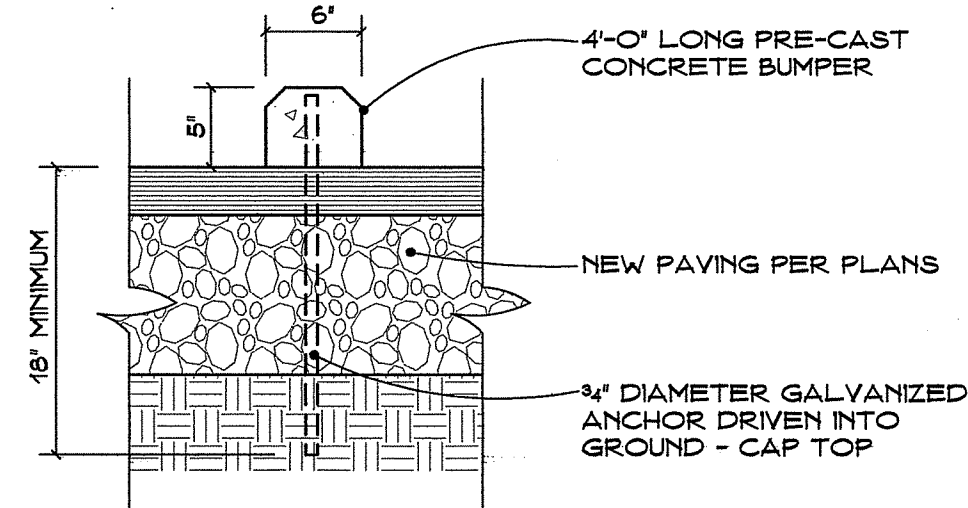
**5 CURB AT EXISTING DRIVE**  
NO SCALE



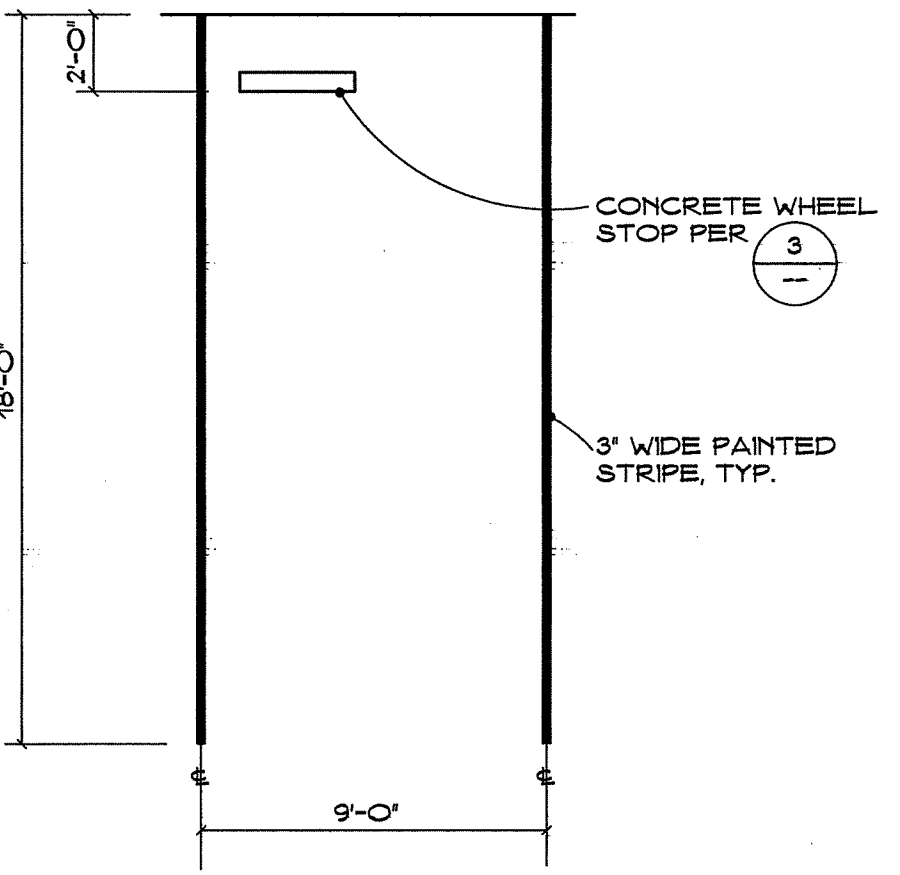
**9 PAVING EDGE**  
NO SCALE



**6 CURB AND GUTTER**  
NO SCALE  
COMPLIES WITH TULARE COUNTY STANDARD A-19



**3 TYPICAL WHEEL STOP**  
NO SCALE



**1 TYPICAL PARKING STALL**  
NO SCALE

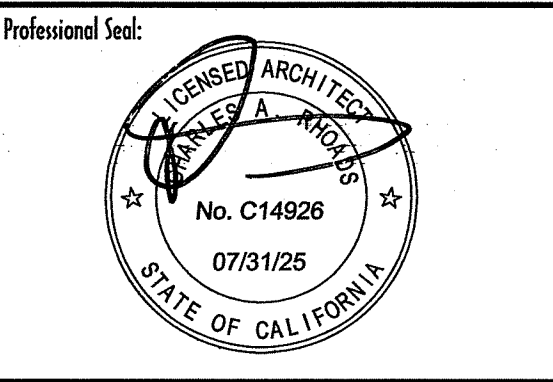




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Consultant:

Drawing Status:

Contract Document

Revision Summary:

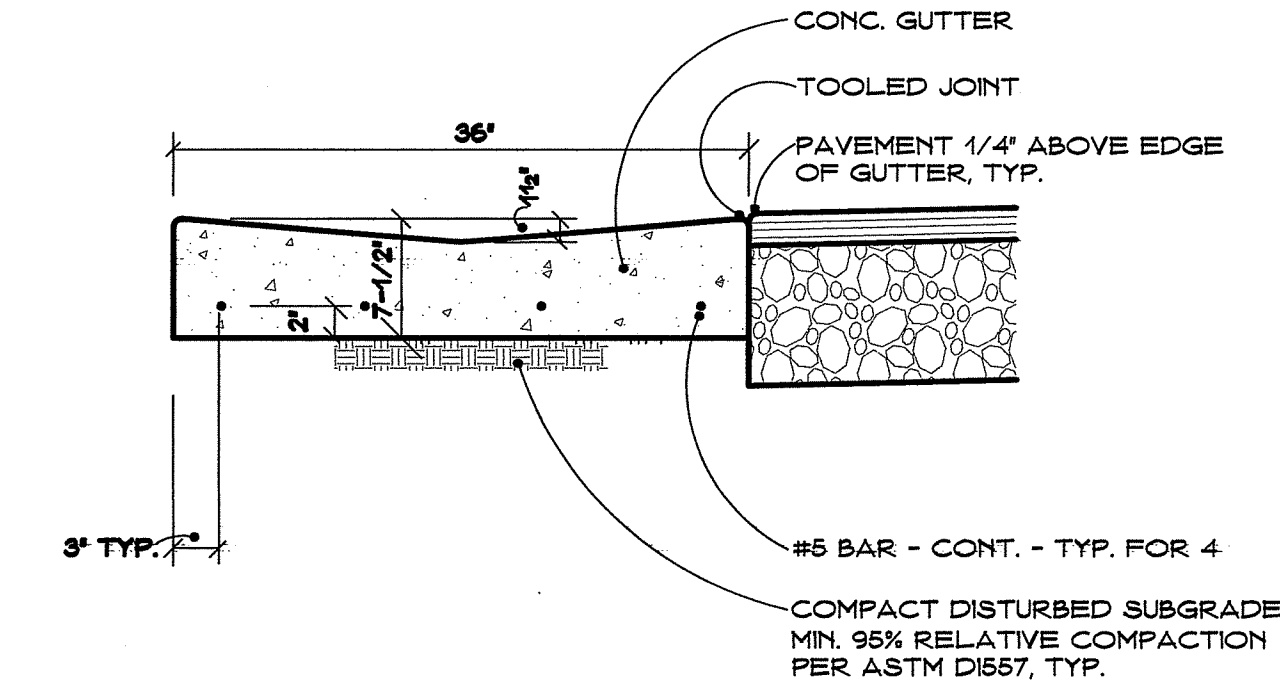
△ PLAN CHECK

Project:  
**New Margue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

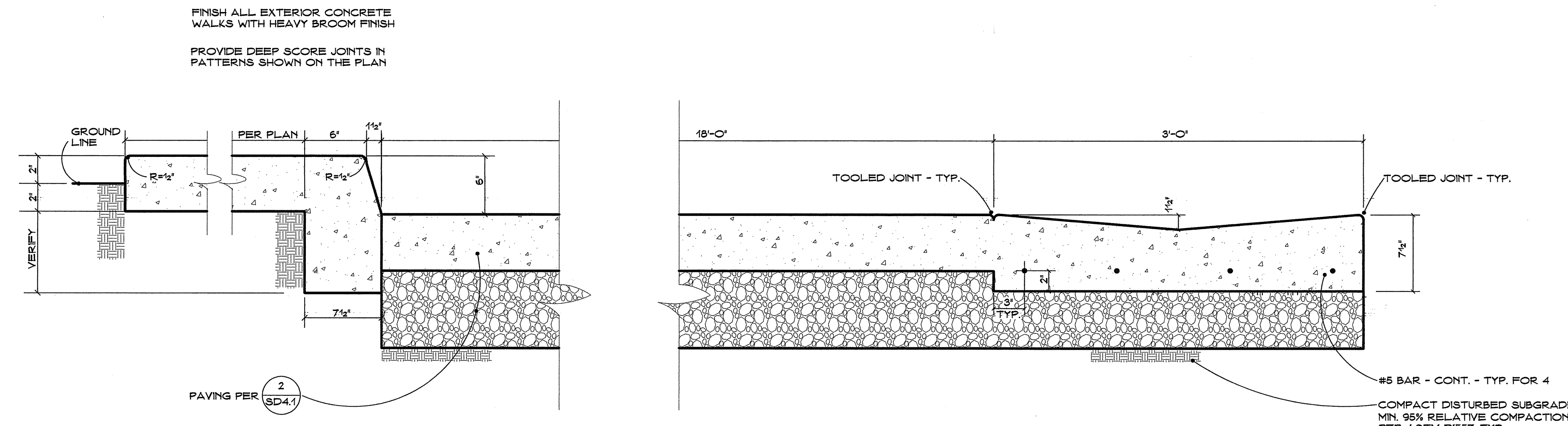
Sheet Description:  
**Details**

Date: 11/16/23  
Project: 22-102  
Scale: Indicated

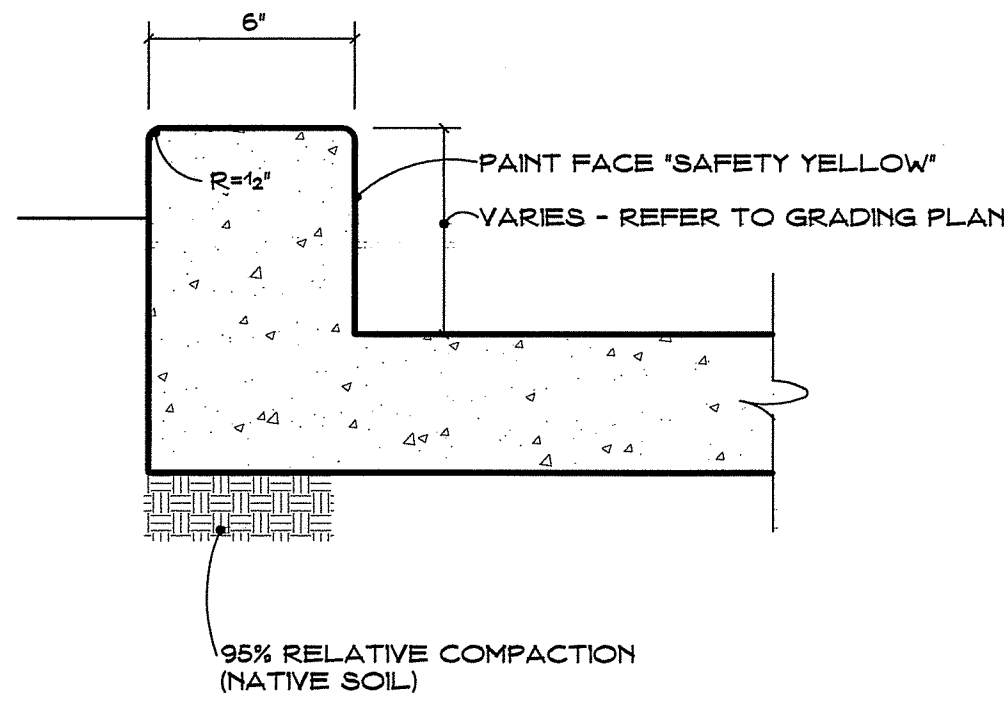
Sheet No.: **SD4.3**  
Of 7 Sheets



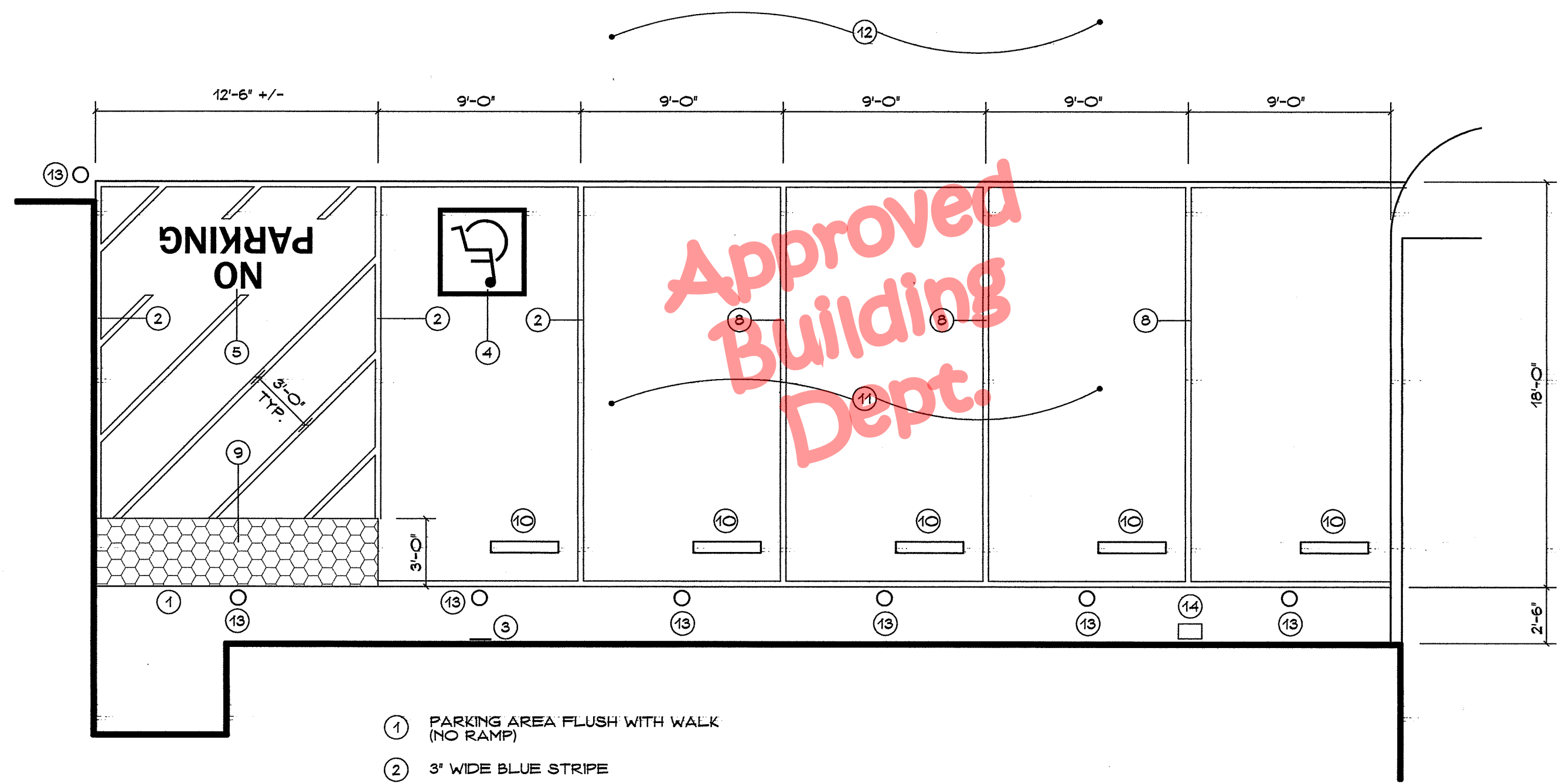
**5 VALLEY GUTTER**  
NO SCALE



**3 CURB AND WALK AT PARKING WITH INTEGRAL VALLEY GUTTER**  
NO SCALE

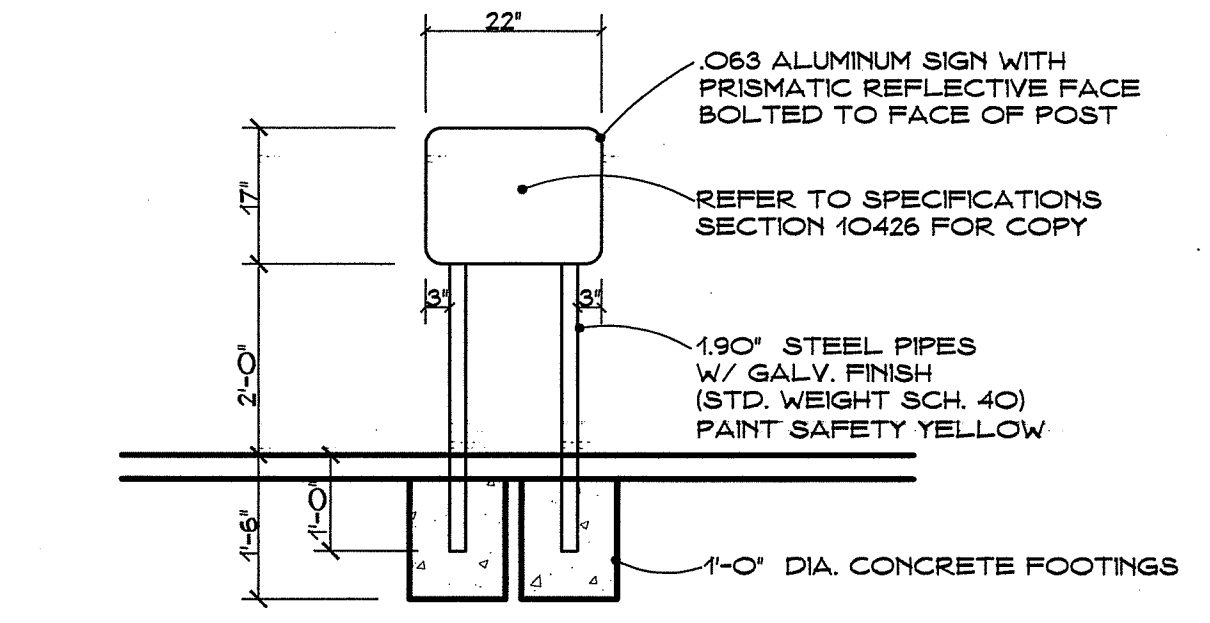
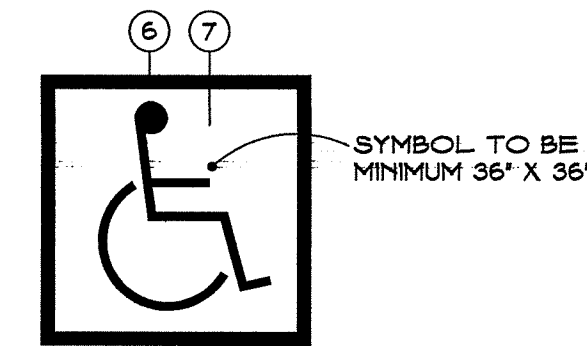


**6 CURB AT WALK**  
NO SCALE

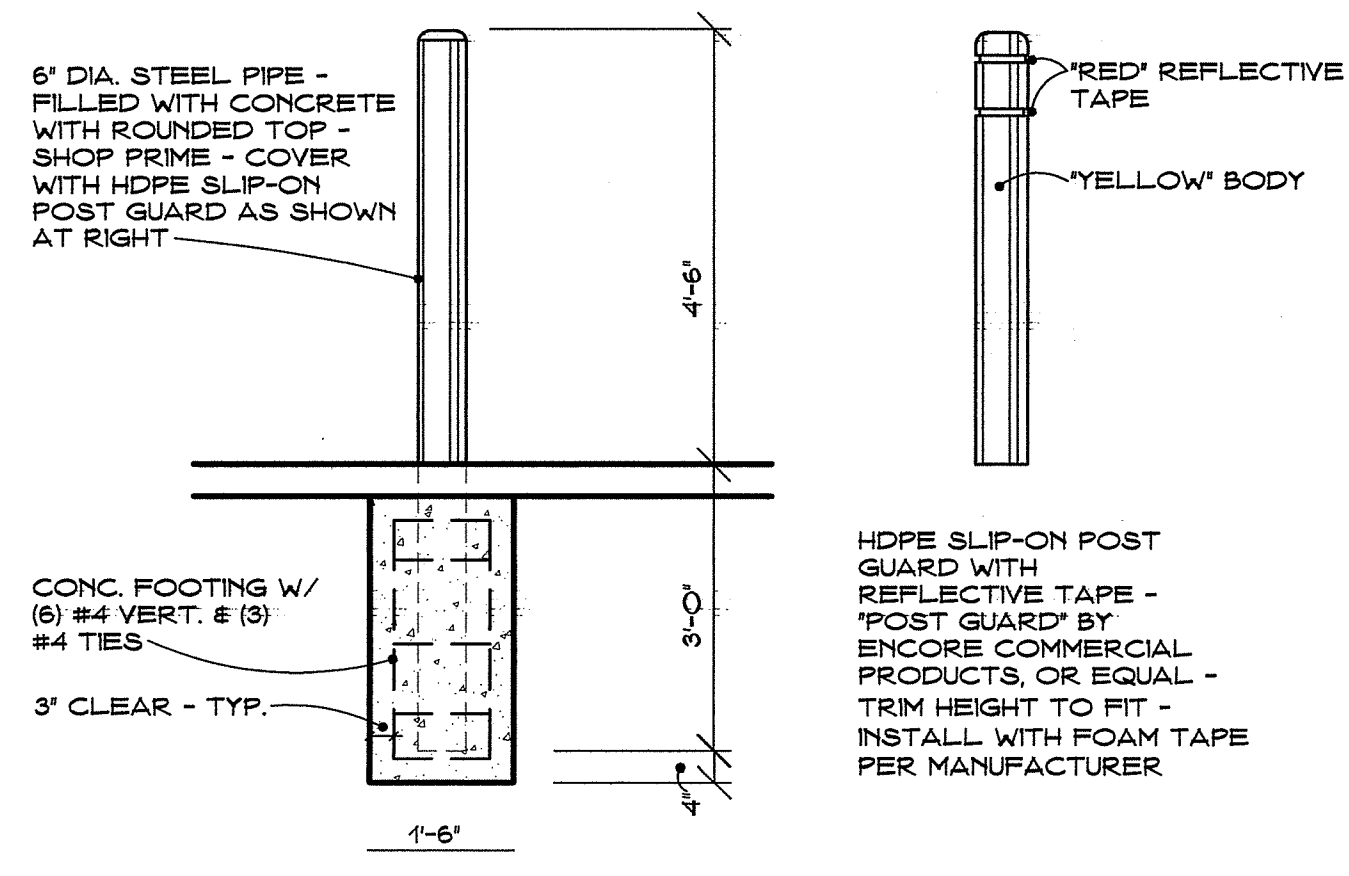


**4 WEST PARKING AREA**  
NO SCALE

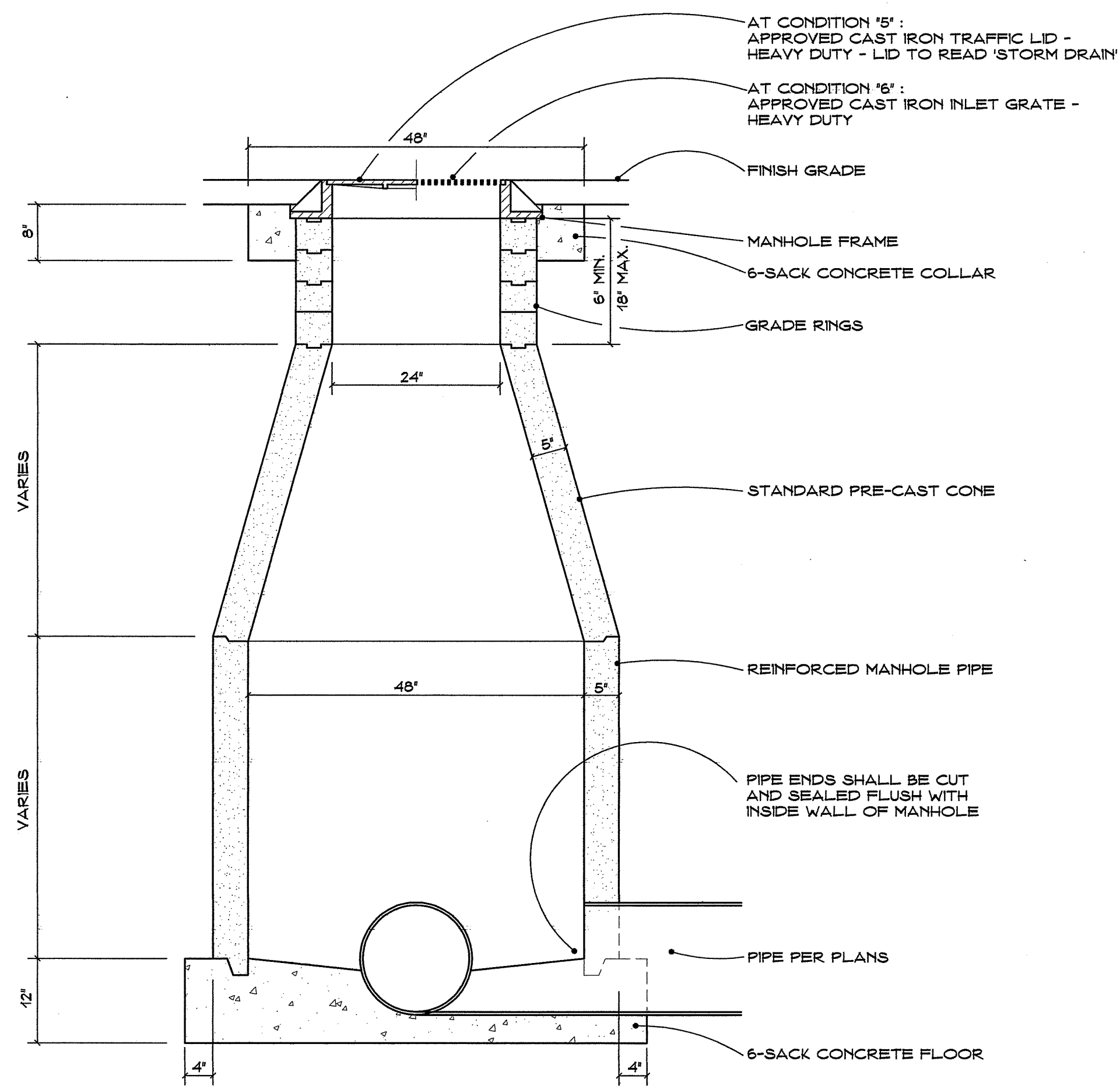
- ① PARKING AREA FLUSH WITH WALK (NO RAMP)
- ② 3' WIDE BLUE STRIPE
- ③ HANDICAP PARKING + VAN ACCESSIBLE SIGNS ON WALL PER (5) SIM
- ④ 36' X 36' HANDICAP SYMBOL PER CBC 1129.B - SEE AT RIGHT
- ⑤ 12' TALL WHITE PAINTED LETTERS
- ⑥ 4' WHITE STRIPE
- ⑦ BLUE FIELD
- ⑧ 3' WHITE STRIPE, TYPICAL
- ⑨ 2' HIGH TRUNCATED DOME WARNING SURFACE PER (3)
- ⑩ CONCRETE WHEEL STOP
- ⑪ TYPICAL CONCRETE PAVING PER (2)
- ⑫ TYPICAL ASPHALT PAVING PER (1)
- ⑬ VEHICLE BOLLARD PER (2) CENTER ON STALL
- ⑭ △ FUTURE EV CHARGER



**1 TOW AWAY SIGN**  
NO SCALE



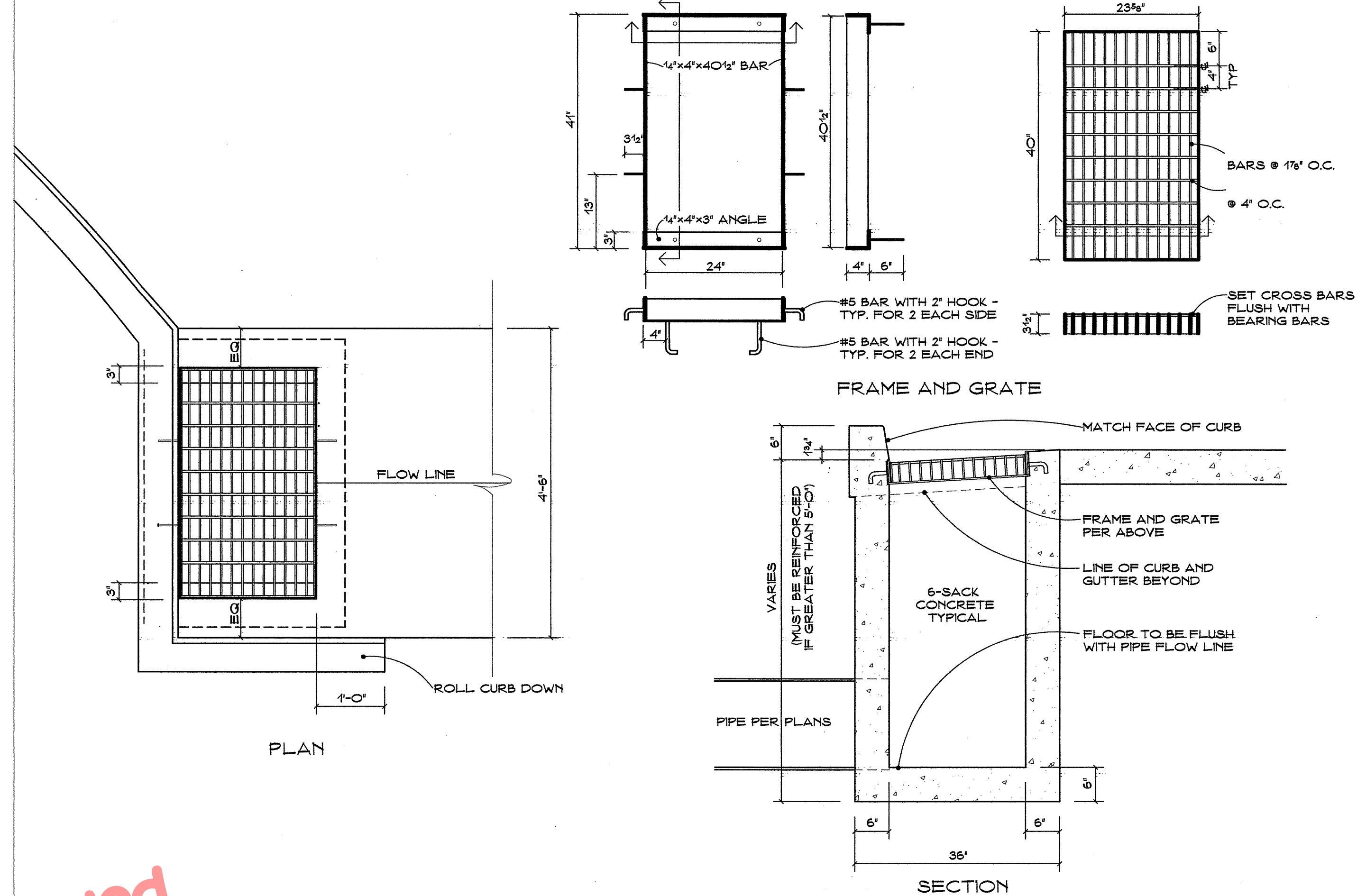
**2 VEHICLE BOLLARD**  
NO SCALE



5 & 6 STORM DRAIN MANHOLE

NO SCALE

COMPLIES WITH TULARE COUNTY STANDARD NO. A-28

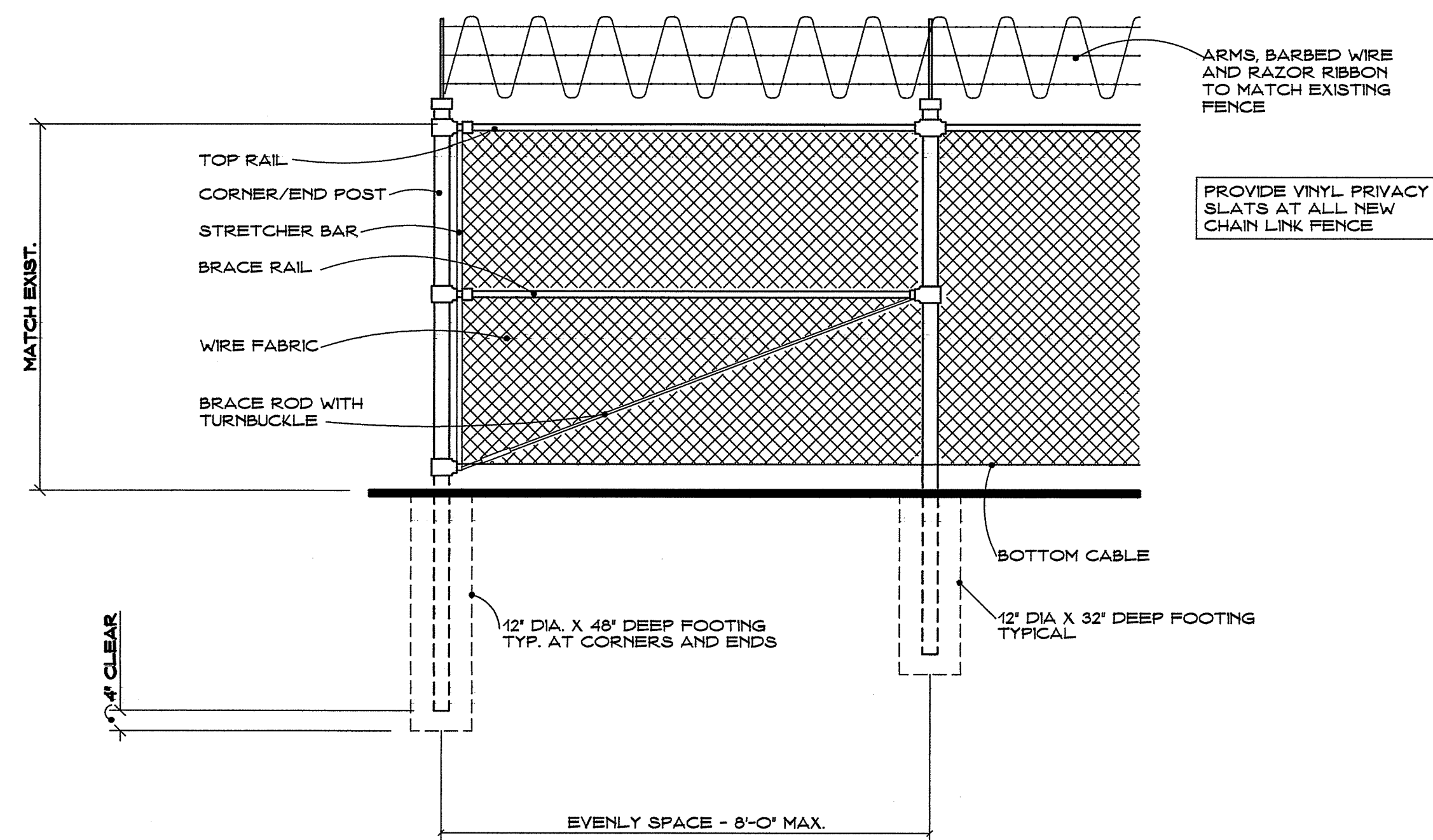


2 STORM DRAIN CURB DROP INLET

NO SCALE

COMPLIES WITH TULARE COUNTY STANDARD NO. A-27

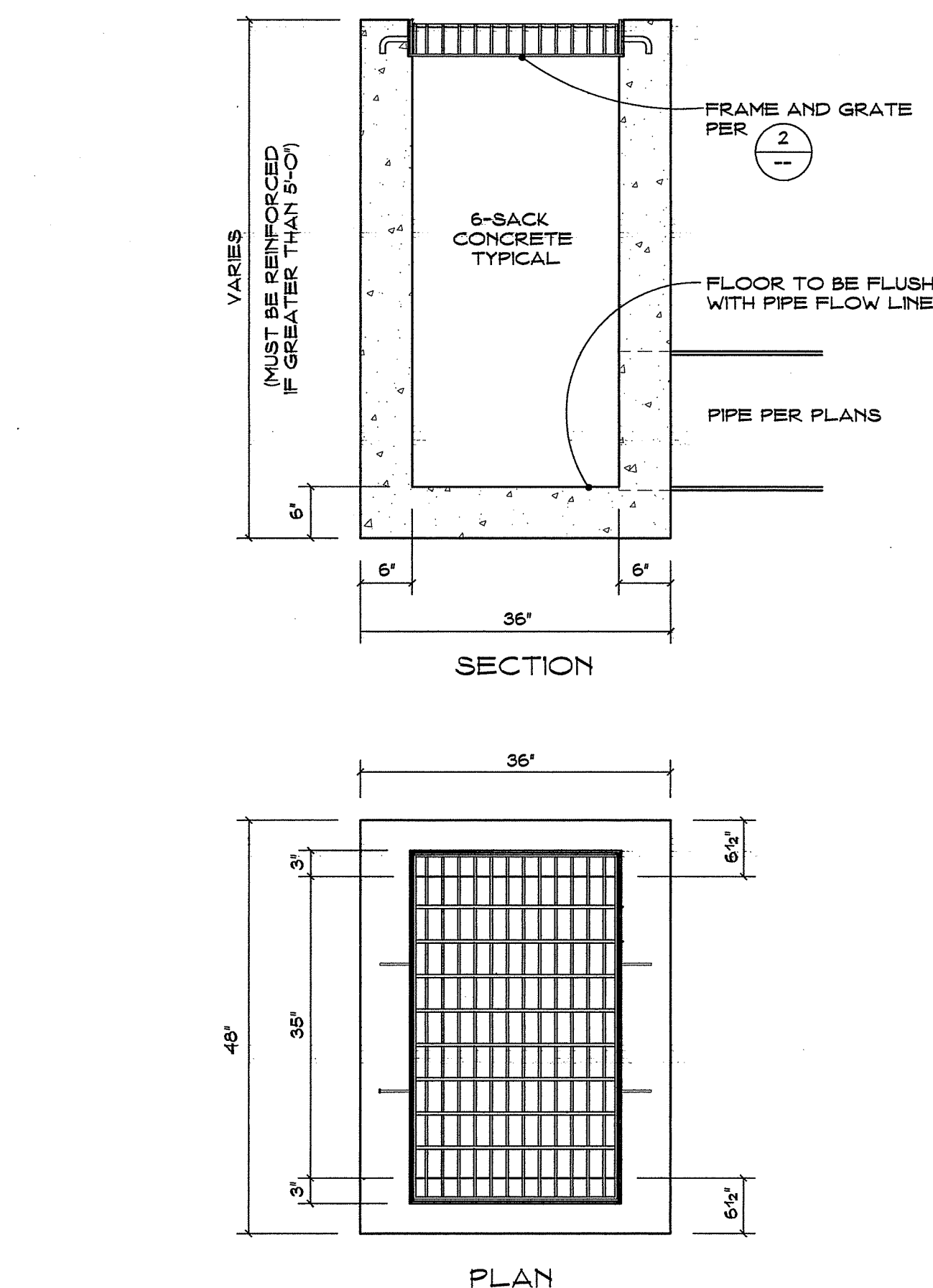
Approved  
Building  
Dept.



7 CHAIN LINK FENCE

NO SCALE

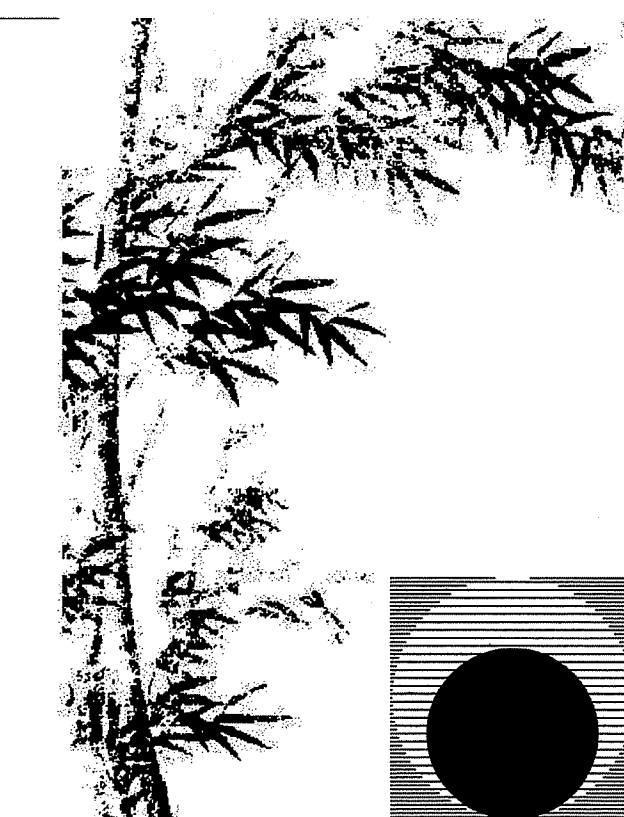
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1 STORM DRAIN DROP INLET

NO SCALE

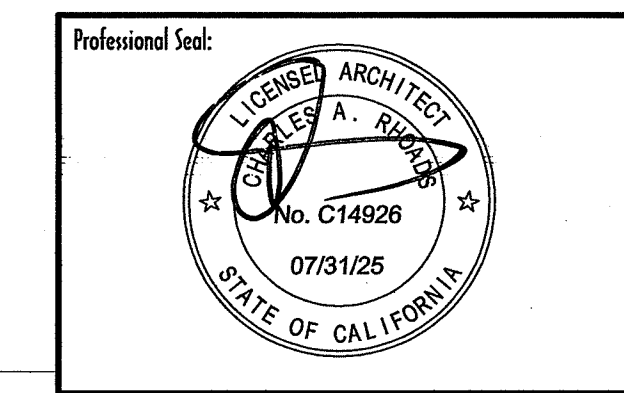
COMPLIES WITH TULARE COUNTY STANDARD NO. A-27C



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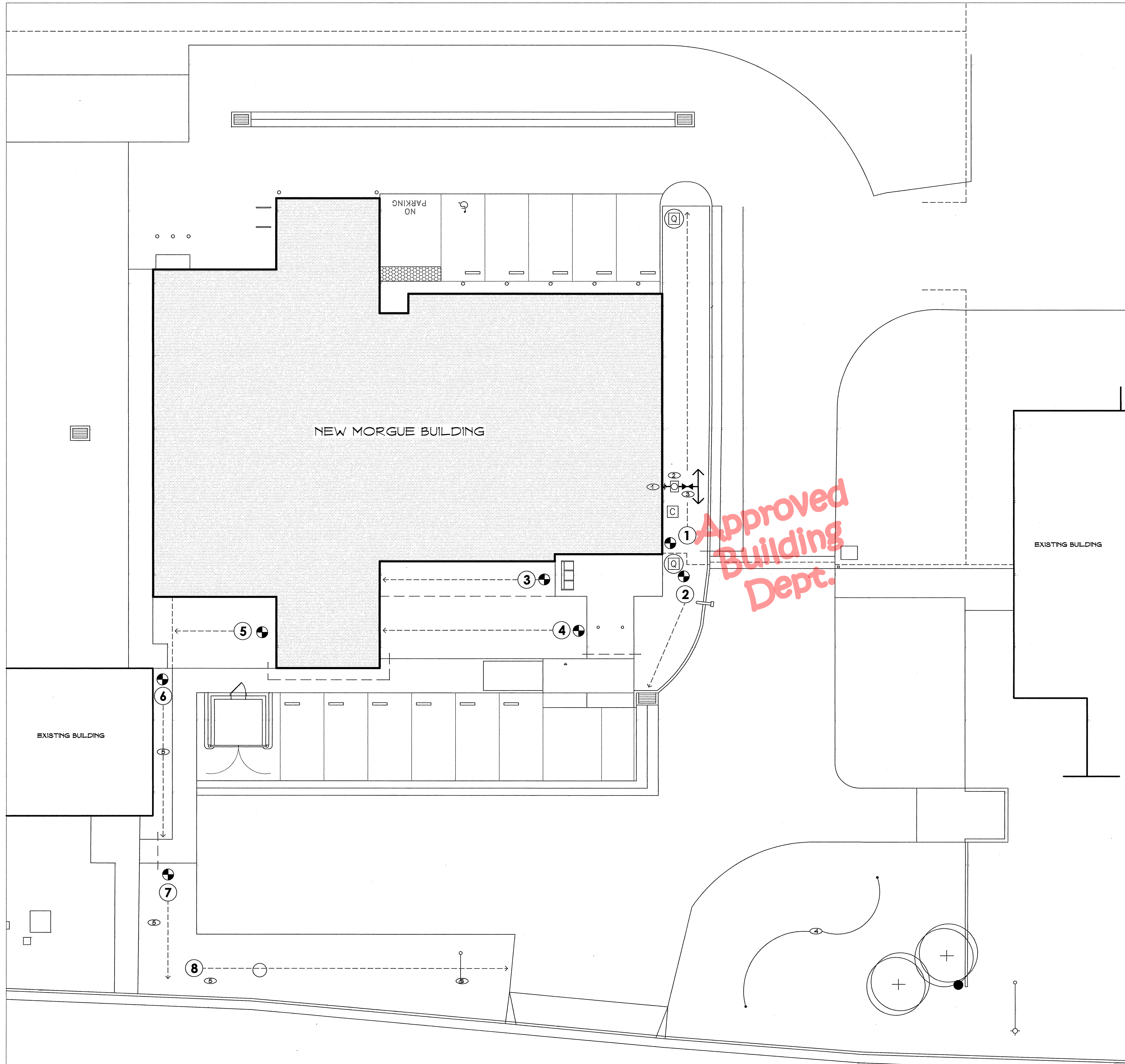
Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Margue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Details**

Date: 11/16/23  
Project: 22-102  
Scale: Indicated  
Sheet No.: **SD4.4**  
Of 7 Sheets



**LEGEND**

- 
- 
- 
- 
- 

**KEY NOTES**

- 1 APPROXIMATE POINT OF CONNECTION TO 1 1/2\"/>
- 2 1 1/2\"/>
- 3 1 1/2\"/>
- 4 MODIFY AND EXTEND EXISTING DRIP IRRIGATION ZONE TO PROVIDE FULL IRRIGATION COVERAGE FOR EXISTING AND NEW PLANTINGS
- 5 MODIFY EXISTING DRIP IRRIGATION ZONE TO ABANDON THAT AREA NOW BEING COVERED BY NEW DRIP ZONE - ENSURE REMAINDER OF EXISTING ZONE REMAINS OPERATIONAL

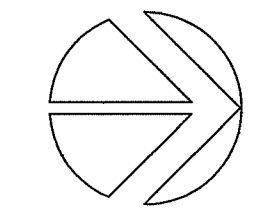
**GENERAL NOTES**

- 1 DESIGN IRRIGATION SYSTEM TO PREVENT SPRAY ON STRUCTURES

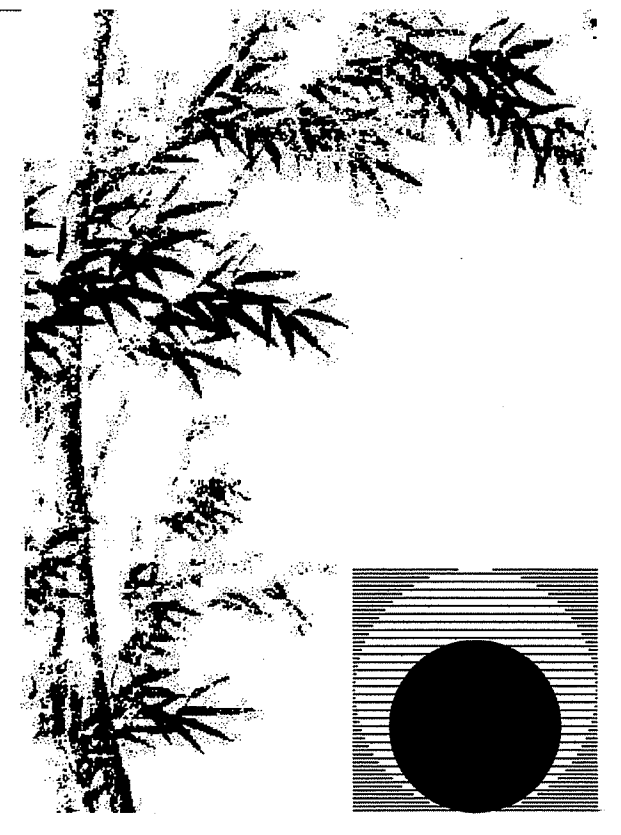
**REQUIRED SHOP DRAWINGS**

- 1 THIS PLAN IS DIAGRAMMATIC AND INTEND TO CONVEY THE DESIGN INTENT OF THE IRRIGATION SYSTEM, INCLUDING REQUIRED NUMBER OF SEPERATE IRRIGATION ZONES. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO PREPARE AND SUBMIT A COMPLETE IRRIGATION DESIGN THAT MEETS THIS INTENT AND PROVIDES A FULLY OPERATIONAL AUTOMATIC SYSTEM.
- 2 SHOP DRAWING SHALL BE 24\"/>
- 3 ARCHITECT SHALL REVIEW SHOP DRAWING AND PROVIDE COMMENTS FOR REVISION AS MAY BE NEEDED
- 4 CONTRACTOR'S IRRIGATION DESIGN SHALL FULLY COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AS WELL AS ALL APPLICABLE LOCAL ORDINANCES - CONTRACTOR SHALL SUBMIT LETTER WITH SHOP DRAWING CERTIFYING THAT THESE APPLICABLE ORDINANCES HAVE BEEN ADHERED TO

IRRIGATION SCHEMATIC PLAN



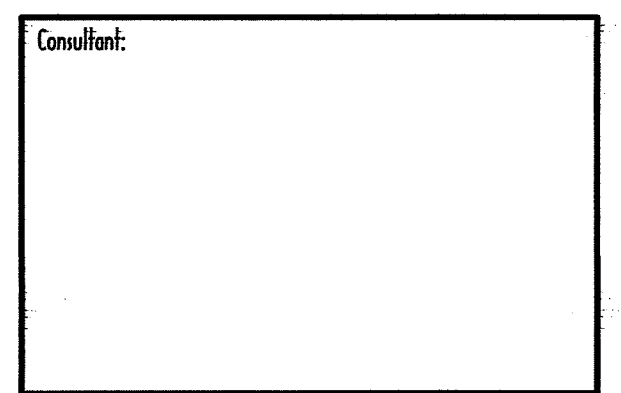
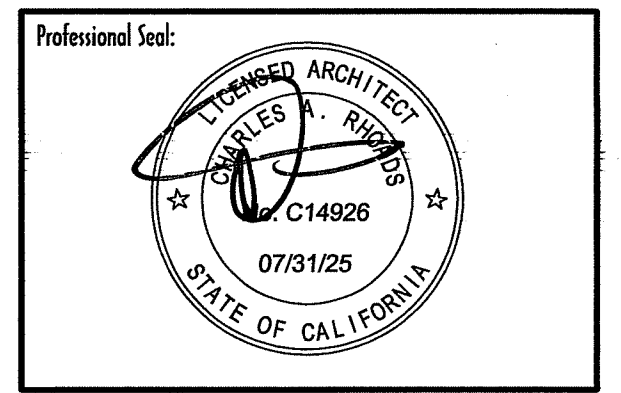
SCALE: 1\"/>



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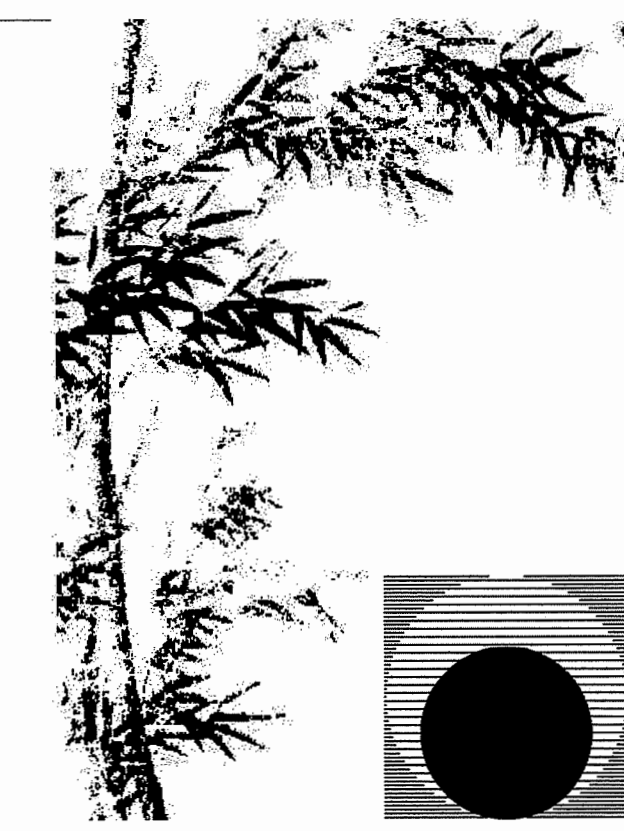

Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
**Irrigation Plan**

Date:	11/16/23
Project:	22-102
Scale:	1" = 10'
Sheet No.:	<b>L1</b>

Of 4 Sheets

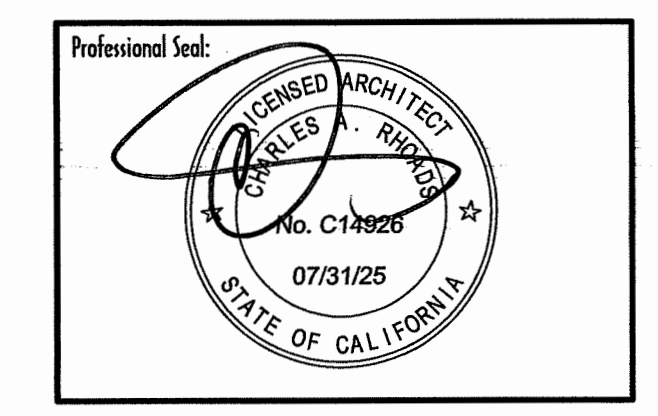
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Consultant:

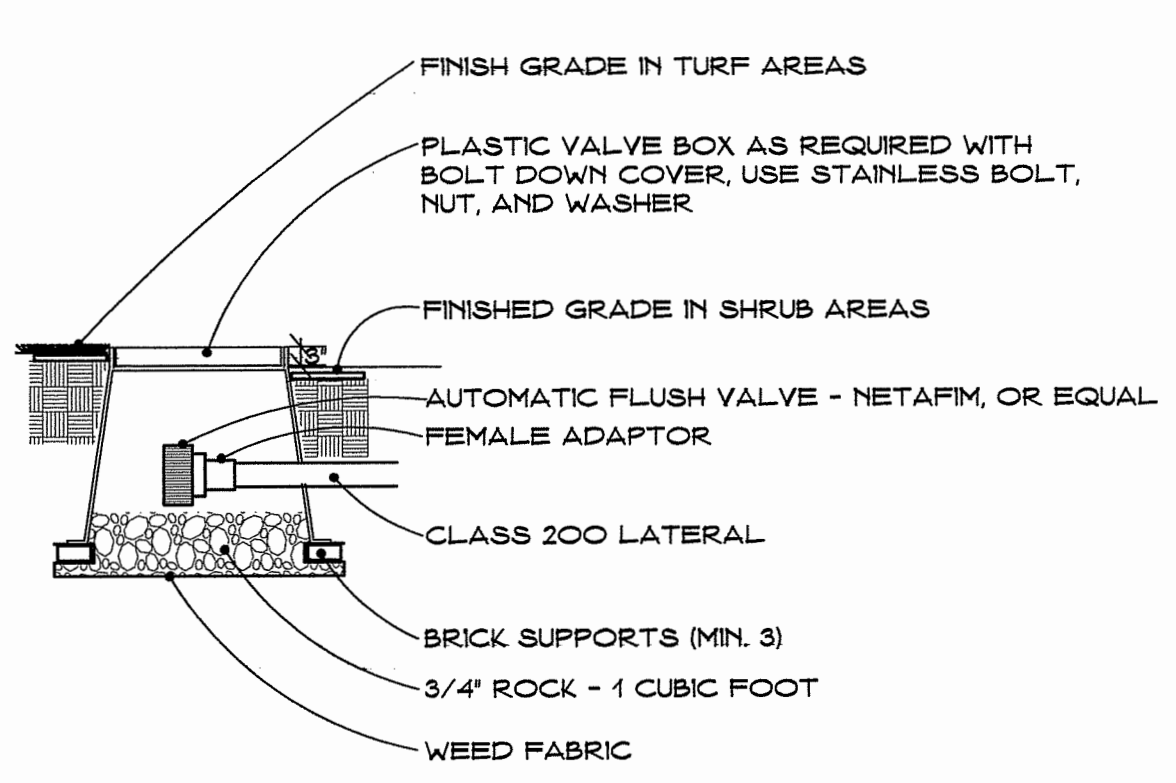
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Revision Summary:

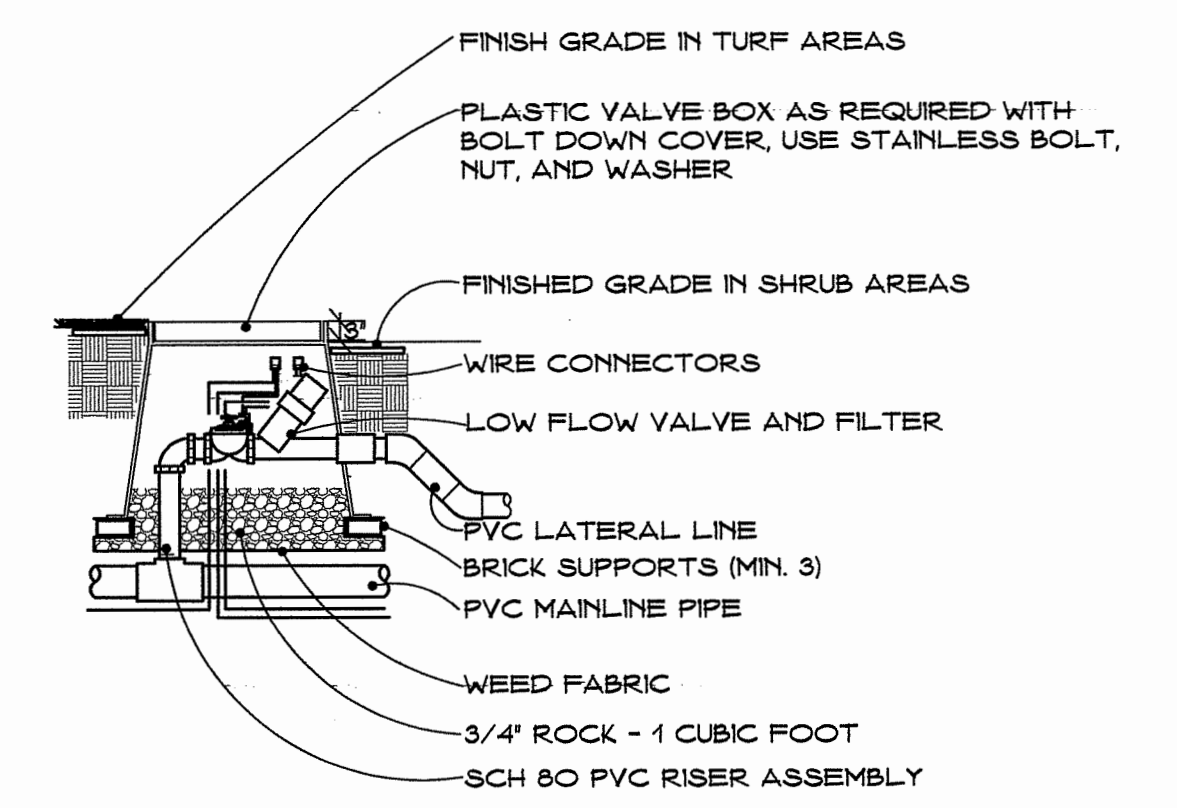
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**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Irrigation Details**

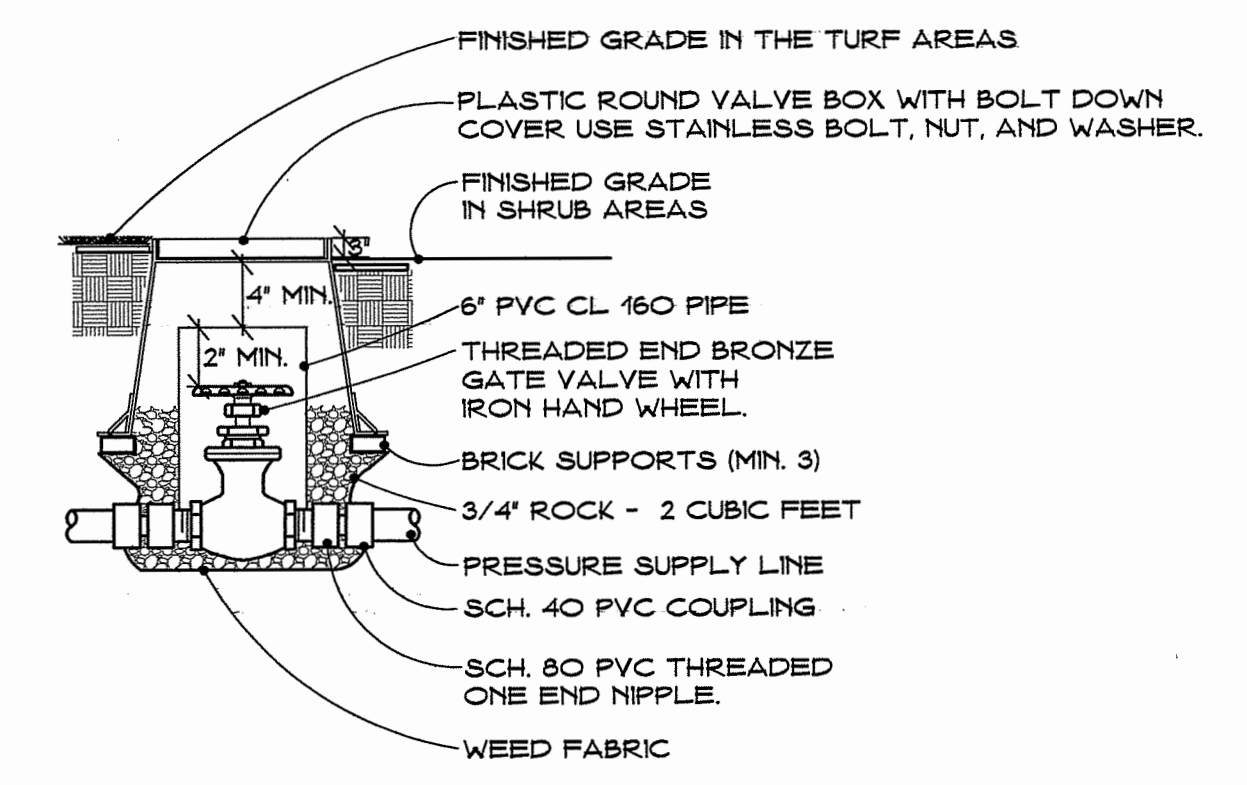
Date: 11/16/23  
Project: 22-102  
Scale: Indicated  
Sheet No.: **L2**  
Of 4 Sheets



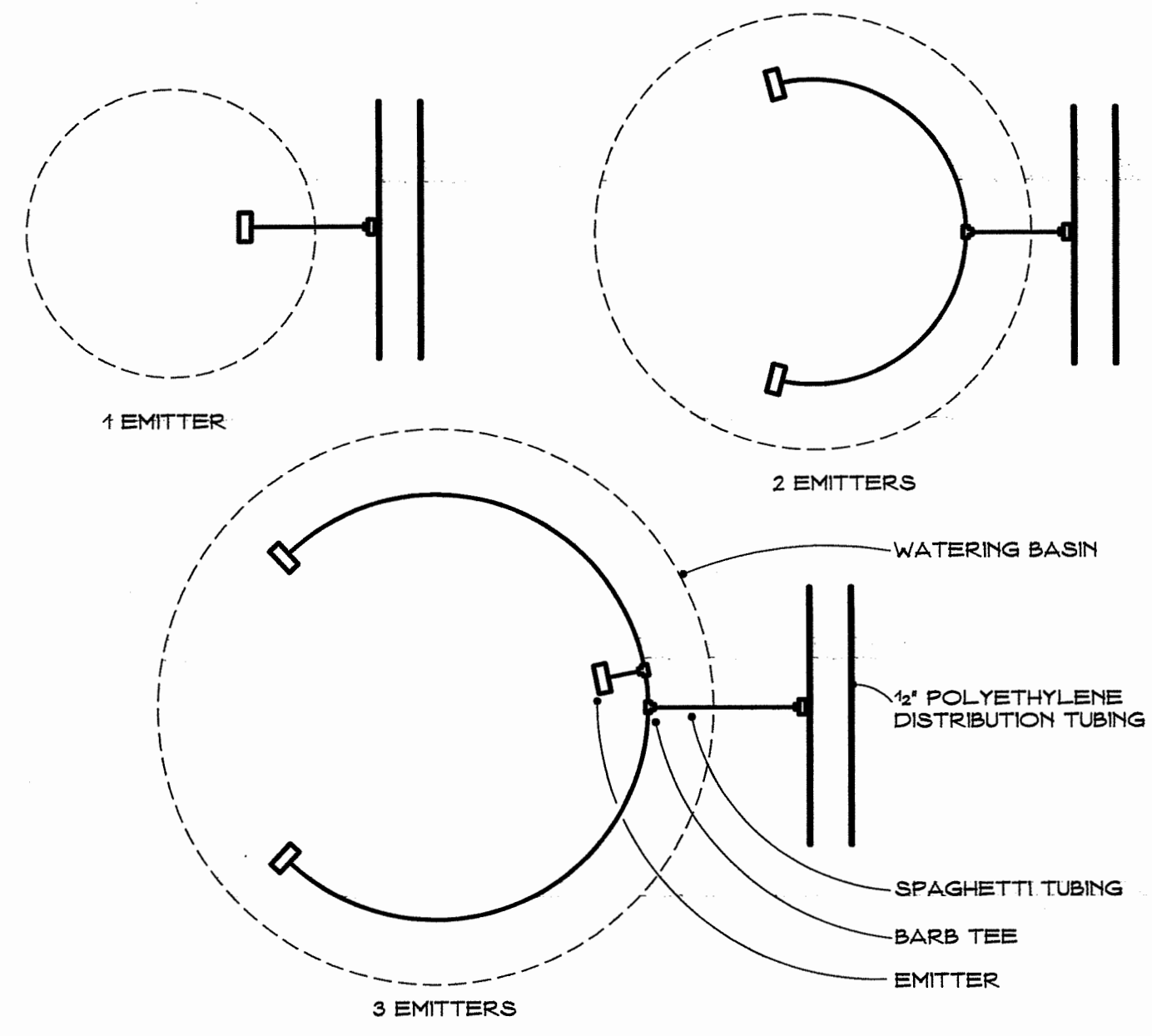
**9 DRIP ZONE FLUSH VALVE**  
NO SCALE



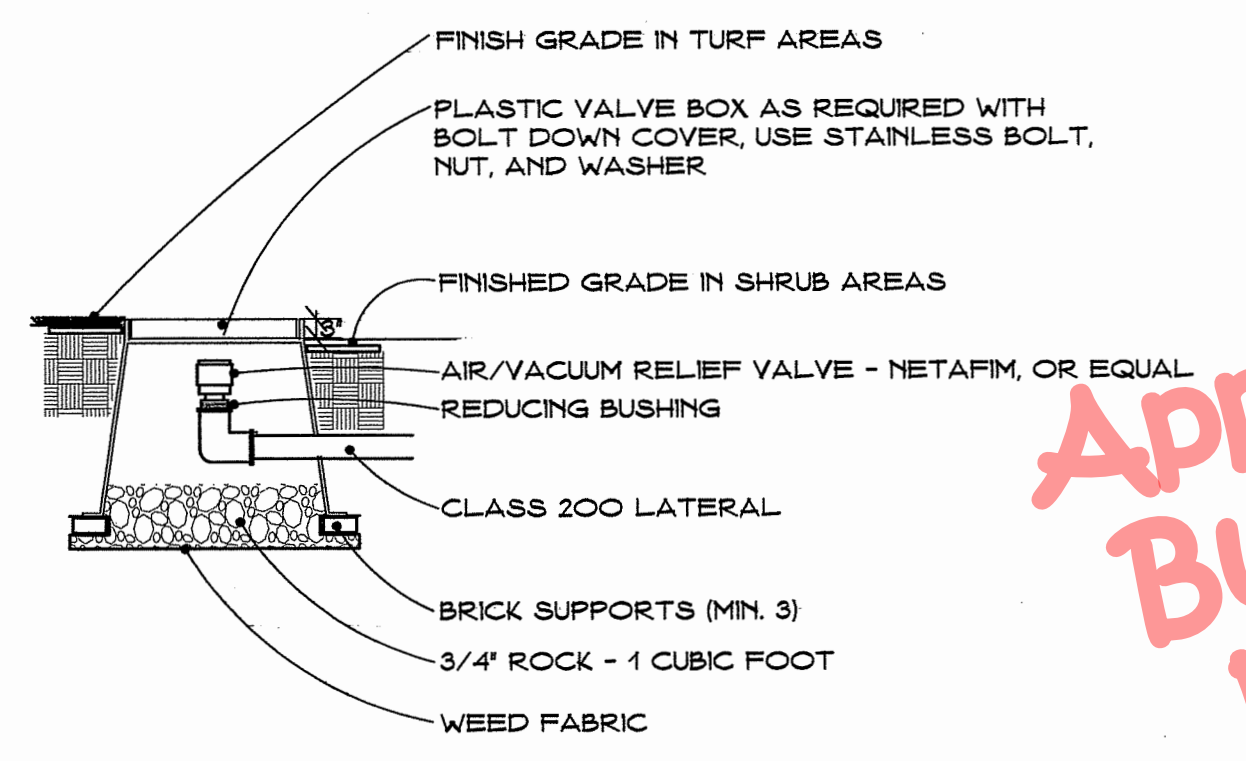
**4 TYPICAL REMOTE DRIP ZONE VALVE**  
NO SCALE



**1 TYPICAL GATE VALVE**  
NO SCALE

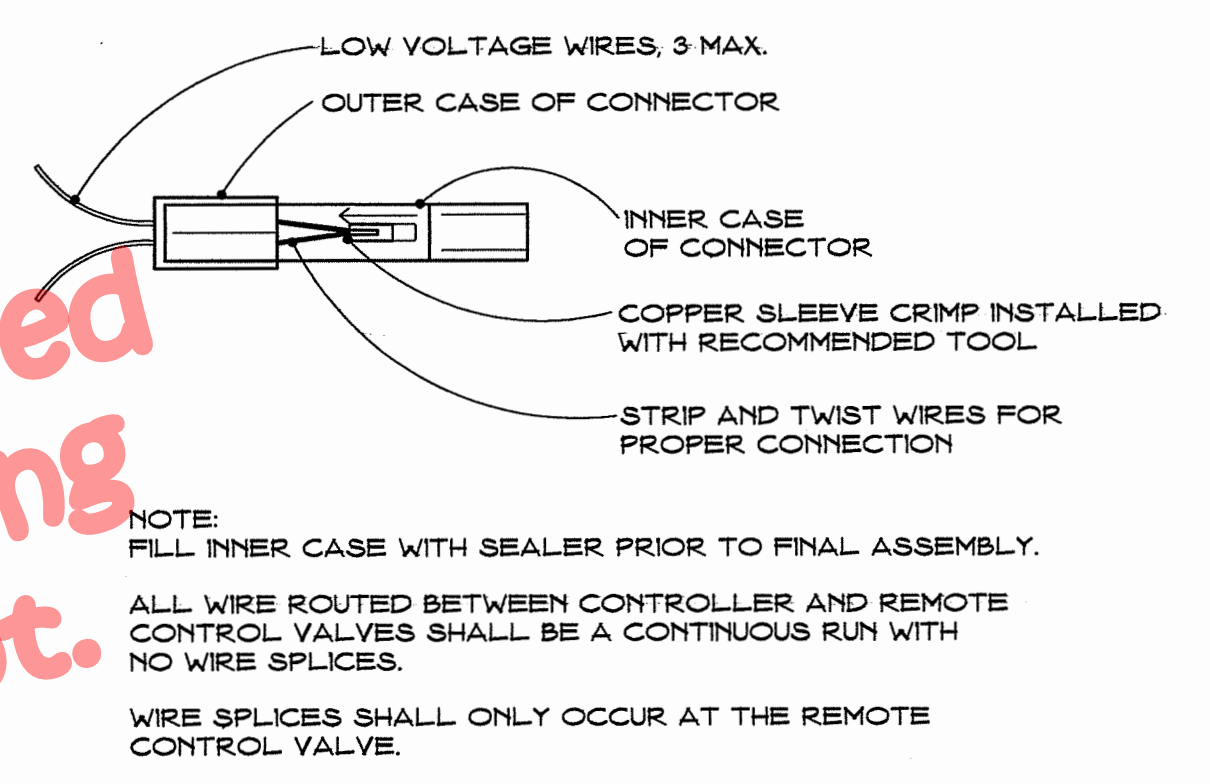


**10 TYPICAL EMITTER PLACEMENT**  
NO SCALE  
INSTALLING CONTRACTOR TO DETERMINE EMITTER FLOW AS PART OF THE TOTAL DESIGN OF IRRIGATION SYSTEM

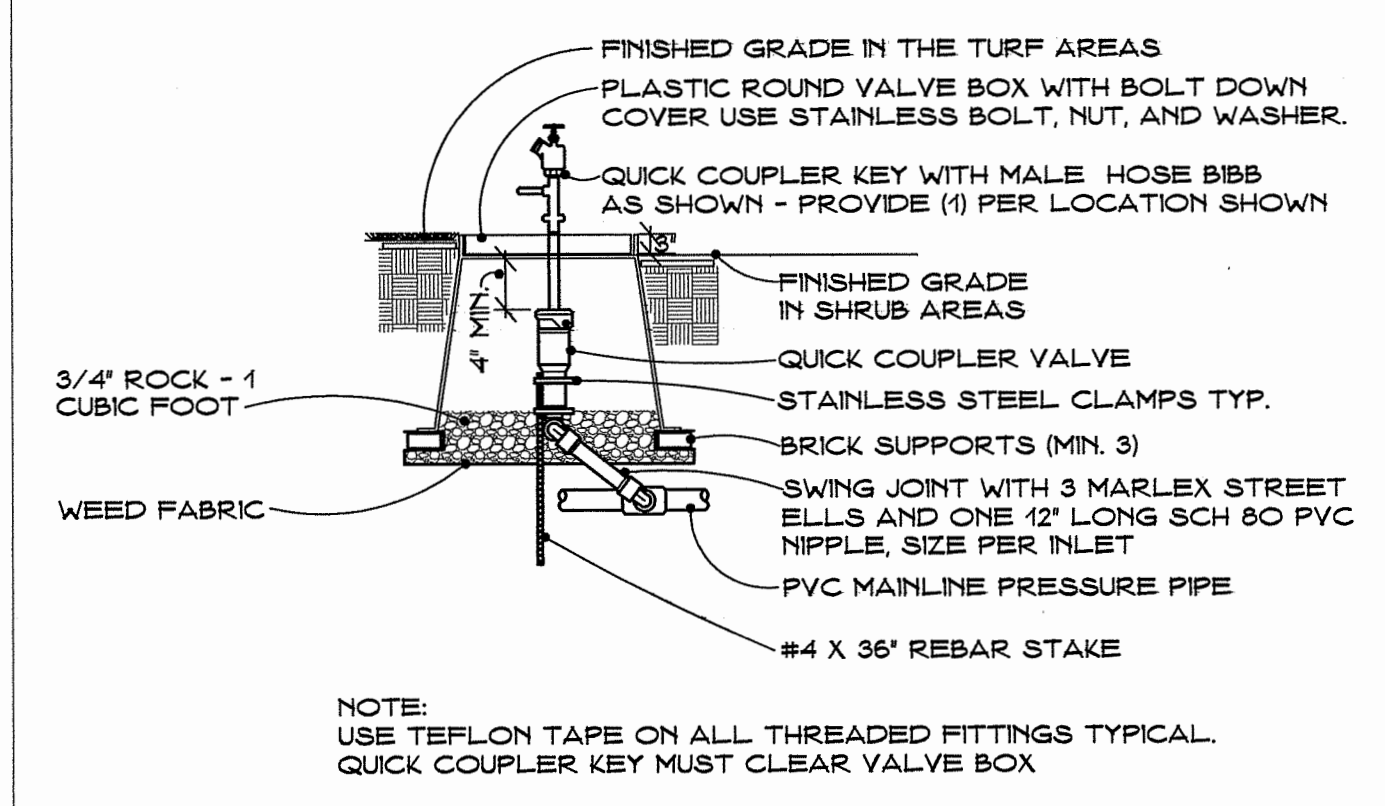


**8 DRIP ZONE AIR RELIEF**  
NO SCALE

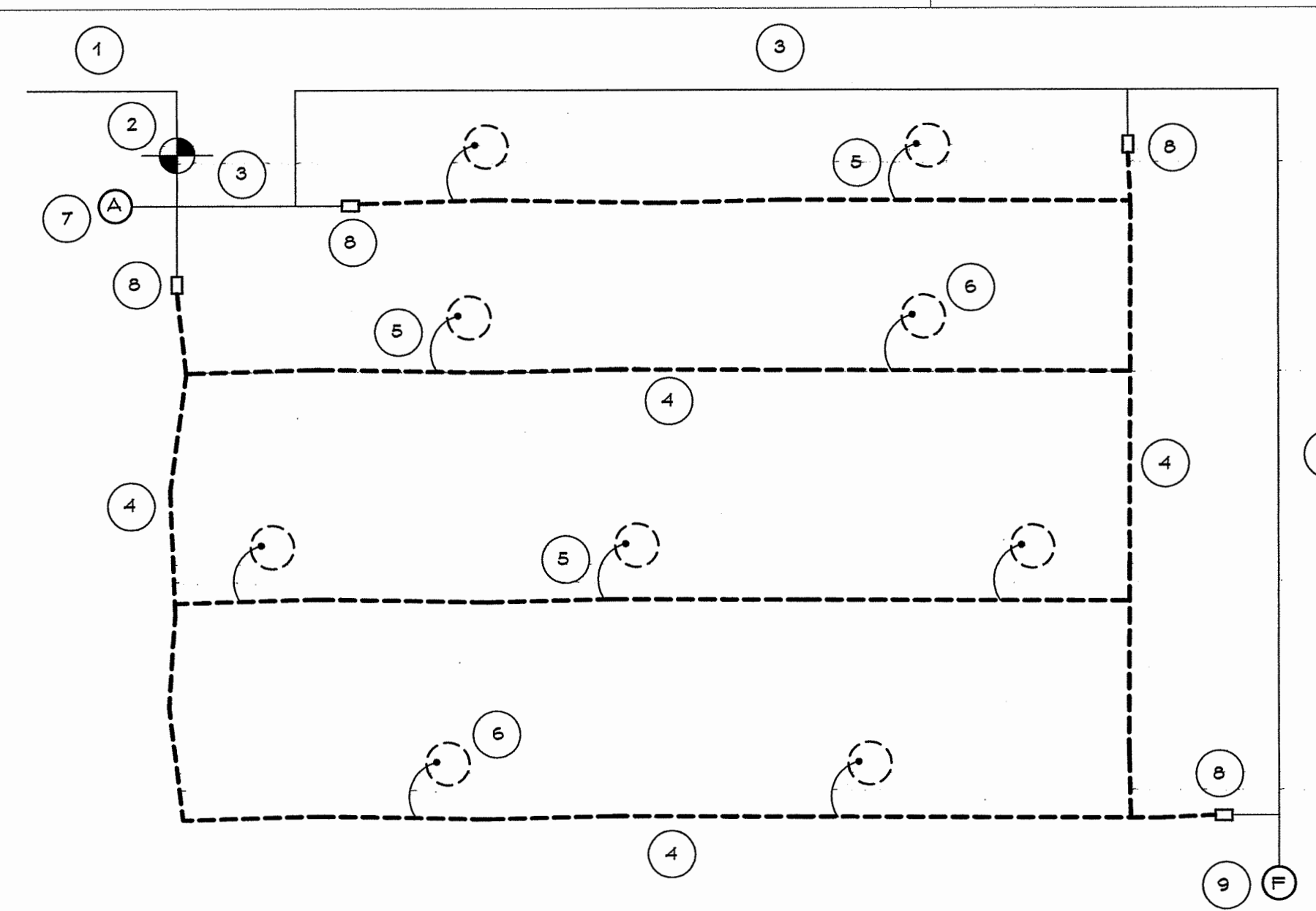
**Approved Building Dept.**



**5 TYPICAL WIRE CONNECTOR**  
NO SCALE



**2 TYPICAL QUICK COUPLER VALVE**  
NO SCALE

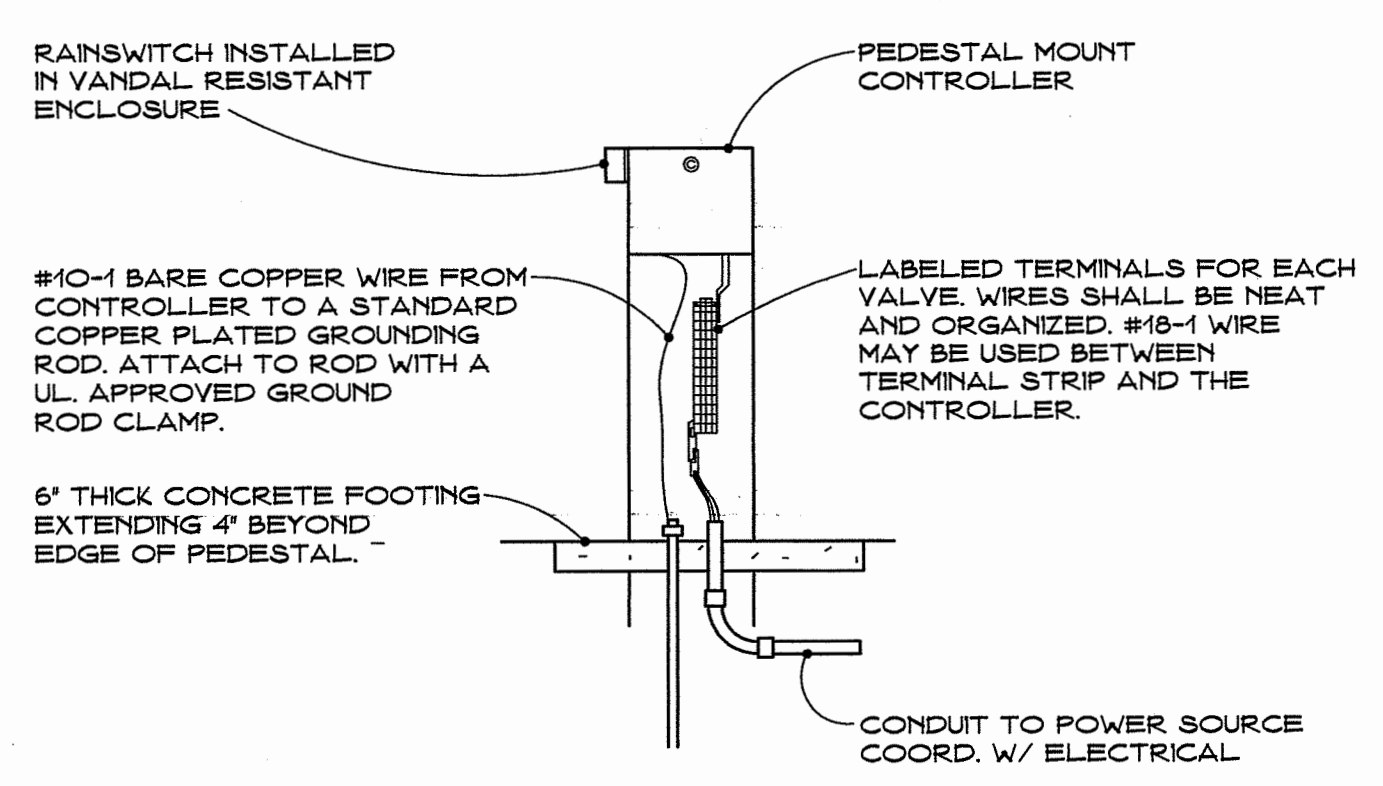


**11 TYPICAL DRIP IRRIGATION ZONE REQUIREMENTS**  
NO SCALE

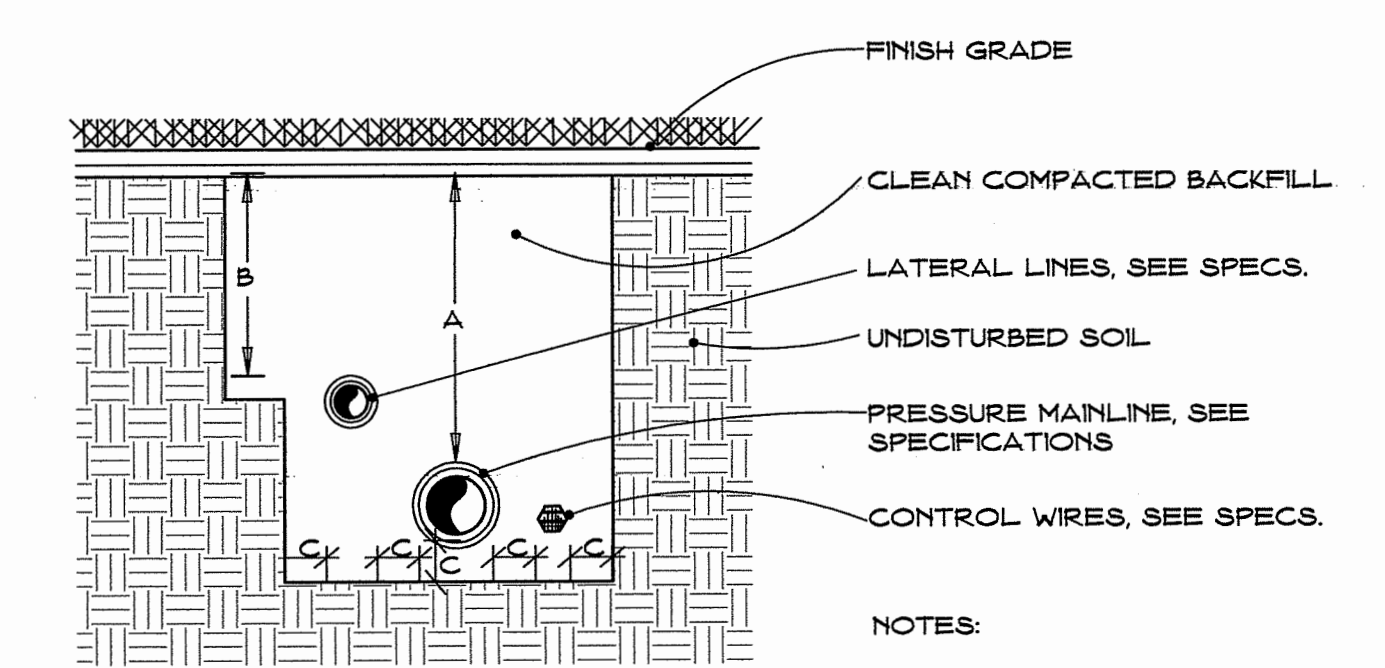
**KEY NOTES (TYPICAL)**

- 1 PVC MAINLINE PRESSURE PIPE
- 2 DRIP ZONE CONTROL WITH ELECTRIC REMOTE CONTROL VALVE, BALL VALVE, PRESSURE REGULATOR, AND FILTER
- 3 LATERAL, NON-PRESSURE CLASS 200 PVC PIPE
- 4 1/2" POLY LATERAL DISTRIBUTION TUBING - STAKED PER MANUFACTURER
- 5 SPAGHETTI TUBING EXTENSION TO DRIP EMITTERS - SEE PLANTING LEGEND ON SHEET L3 FOR NUMBER OF EMITTERS REQUIRED PER PLANT - FOR EMITTER PLACEMENT SEE
- 6 PLANT PIT LOCATIONS - PLACE EMITTERS WITHIN WATERING BASIN AND STAKE
- 7 INSTALL AIR VENT IN IRRIGATION BOX AT START OF DRIP CIRCUIT - REFER TO
- 8 POLY PIPE TO PVC TRANSITION PER MANUFACTURER
- 9 INSTALL AUTOMATIC FLUSH VALVE IN IRRIGATION BOX AT END OF DRIP CIRCUIT - REFER TO

ALL ELECTRICAL MATERIALS AND METHODS SHALL MEET ALL APPLICABLE ELECTRICAL CODES

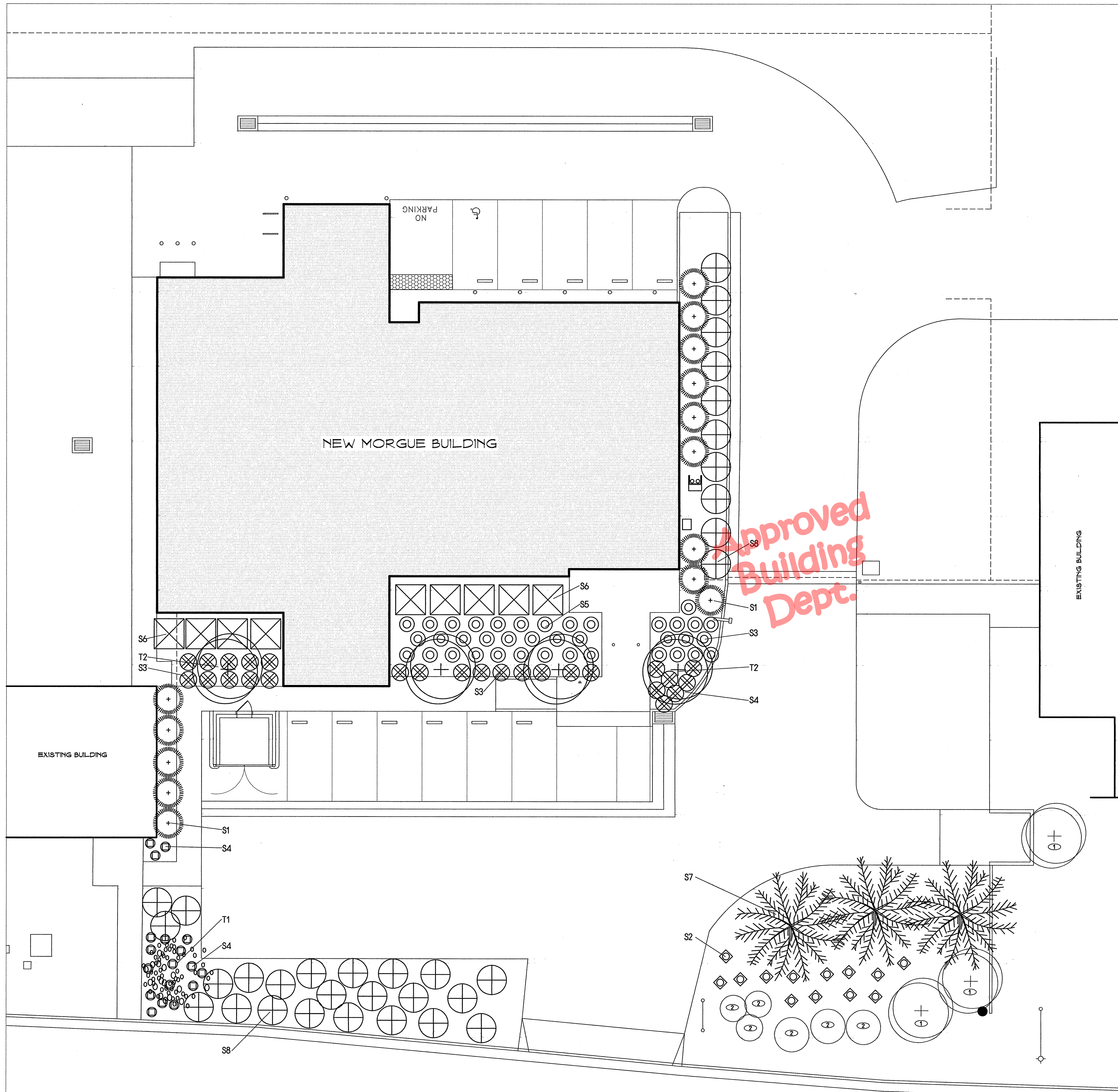


**6 PEDESTAL MOUNTED CONTROLLER**  
NO SCALE



DIMENSION	A	B	C
1/2" TO 2-1/2" IN SIZE	18"	18"	4"
3" TO 6" IN SIZE	24"	4"	4"

**3 PIPE AND WIRE TRENCHING**  
NO SCALE



PLANTING LEGEND									
SYMBOL	MARK	BOTANICAL NAME	WATER USE	COMMON NAME	SIZE	QUANT.	NUMBER OF EMITTERS	REMARKS	
<b>SHRUBS</b>									
⊙	S1	OLEA EUROPAEA LITTLE OLIVE	LOW	DWARF FRUITLESS OLIVE	5 GAL	14	2	①	
◇	S2	MALBERGIA CAPILLARIS RYNE	LOW	PLUMETASTIC PINK MUHLY	5 GAL	18	2	①	
⊗	S3	TRACHELOSPERMUM JASMINODES	LOW	STAR JASMINE	1 GAL	26	1	① ④	
⊖	S4	MALBERGIA CAPILLARIS WHITE CLOUD	LOW	WHITE CLOUD MUHLY	5 GAL	18	2	①	
⊙	S5	HANDONIA DOMESTICA FIREPOWER	LOW	FIREPOWER HEAVENLY BAMBOO	5 GAL	38	2	①	
⊗	S6	LOROPETALUM CHINENSE 'CHANG NAN HONG'	LOW	EVER RED FRINGE FLOWER	15 GAL	9	3	①	
✻	S7	CALLISTEMON 'CANES HYBRID' (SHRUB FORM)	LOW	CANES HYBRID BOTTLEBRUSH	15 GAL	3	3	③	
⊕	S8	JUNIPERUS PROCEMBENS NANA	LOW	DWARF JAPANESE JUNPER	5 GAL	33	2	①	
<b>TREES</b>									
⊙	T1	RHUS LANCEA (MULTI-TRUNK)	LOW	AFRICAN SIMAC	36" BOX	1	3 4 GPH AT LINE OF CANOPY	⑤	
⊕	T2	CERCIDIUM DESERT MUSEUM	LOW	DESERT MUSEUM PALO VERDE	15 GAL	4	3 4 GPH AT LINE OF CANOPY	②	

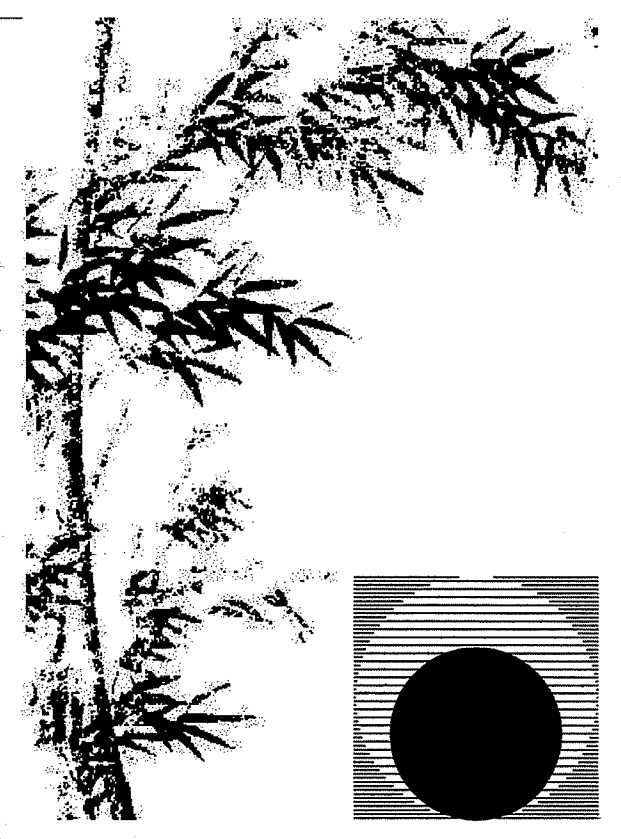
KEY TO REMARKS

- ① SHRUB PLANTING PER  $\frac{2}{14}$
- ② PLANTING, ROOT BARRIER & STAKING PER  $\frac{5}{14}$
- ③ PLANTING & STAKING PER  $\frac{6}{14}$
- ④ TRAN TO FENCE WHERE OCCURS
- ⑤ PLANTING, ROOT BARRIER & STAKING PER  $\frac{7}{14}$

KEY NOTES (THIS SHEET ONLY)

- ① EXISTING TREE TO REMAIN - PROTECT
- ② EXISTING SHRUB TO REMAIN - PROTECT

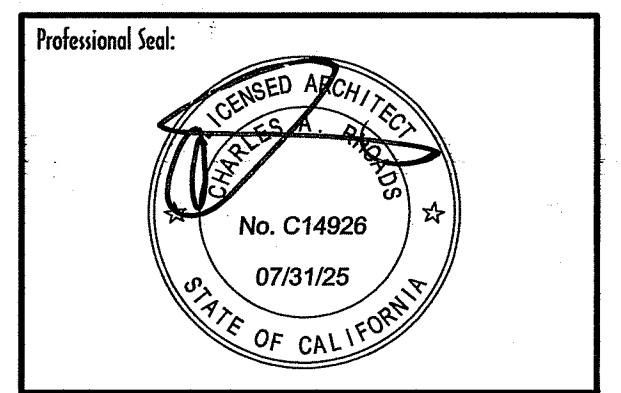
NOTE:  
UNLESS NOTED OTHERWISE, ALL PLANTING AREAS  
SHALL BE TOPPED WITH MINIMUM 3" LAYER OF MULCH



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Consultant:

Drawing Status:  
**Contract Document**

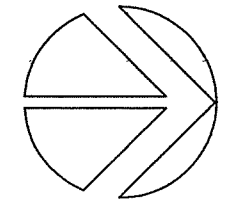
Revision Summary:

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Planting Plan**

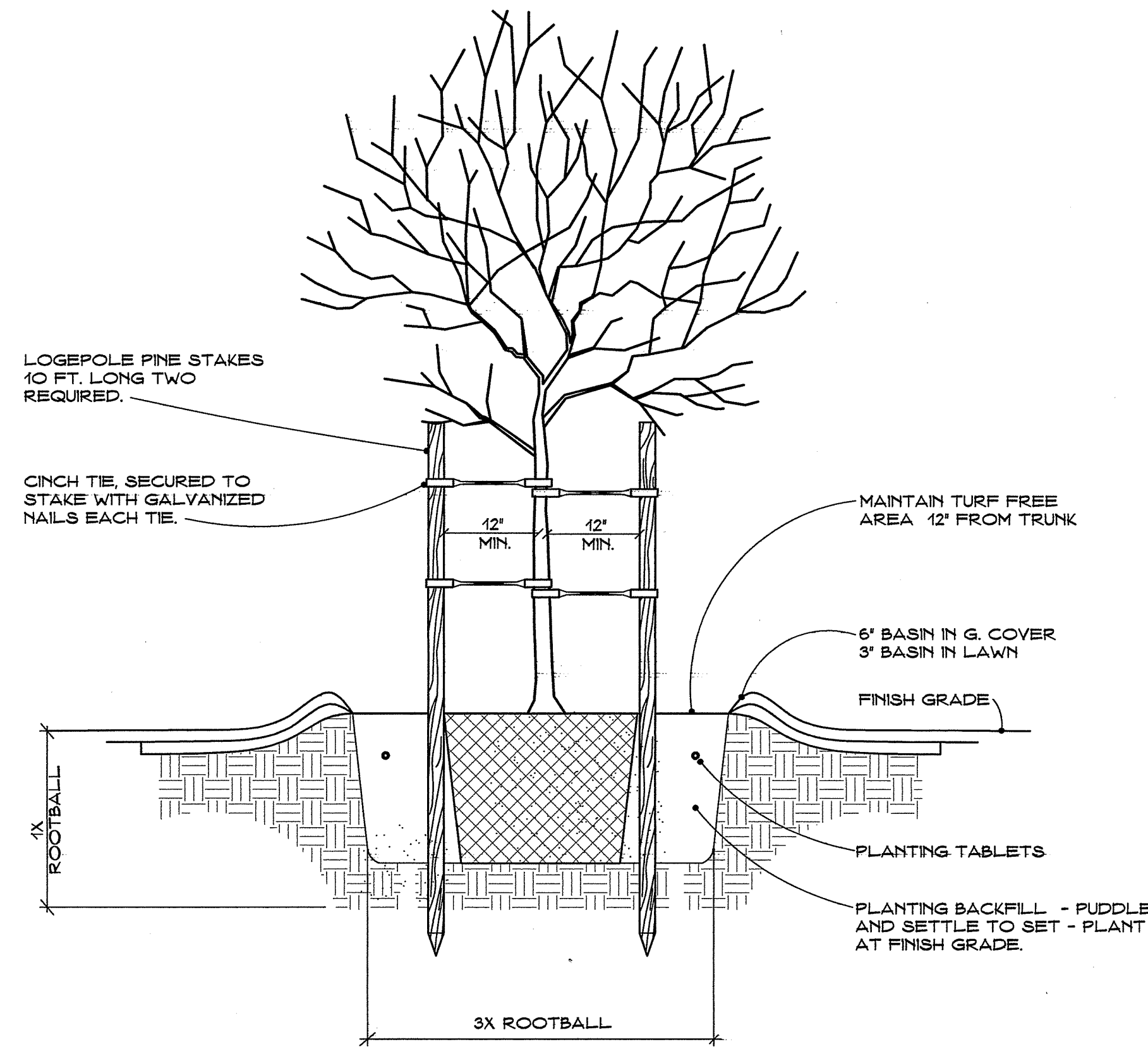
Date: 11/16/23  
Project: 22-102  
Scale: 1" = 10'  
Sheet No.: **L3**  
Of 4 Sheets

PLANTING PLAN



SCALE: 1" = 10'

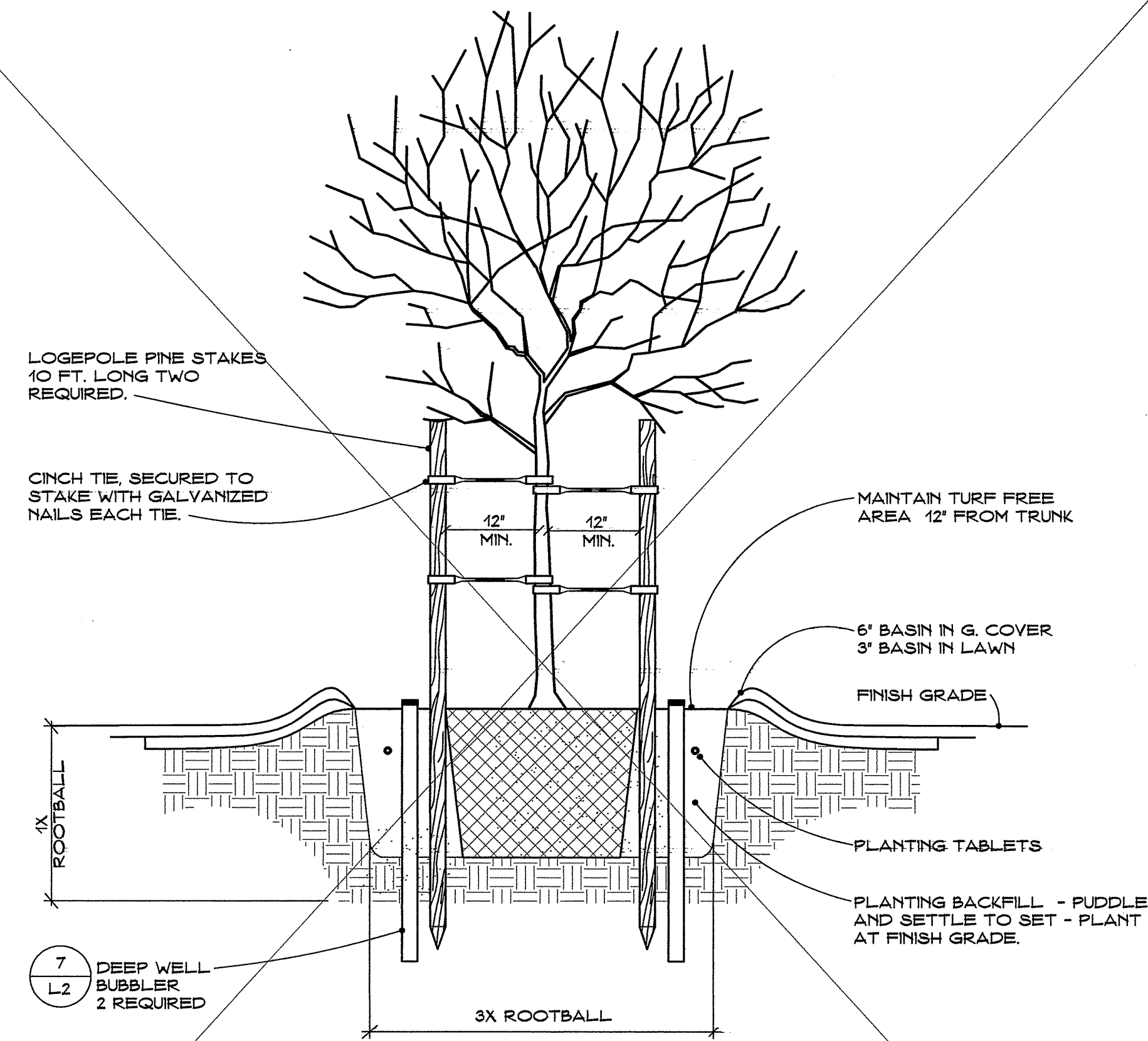
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REFER TO PLANTING LEGEND ON SHEET L3 FOR NUMBER OF REQUIRED EMITTERS PER TREE - FOR DRIP IRRIGATION REQUIREMENTS SEE

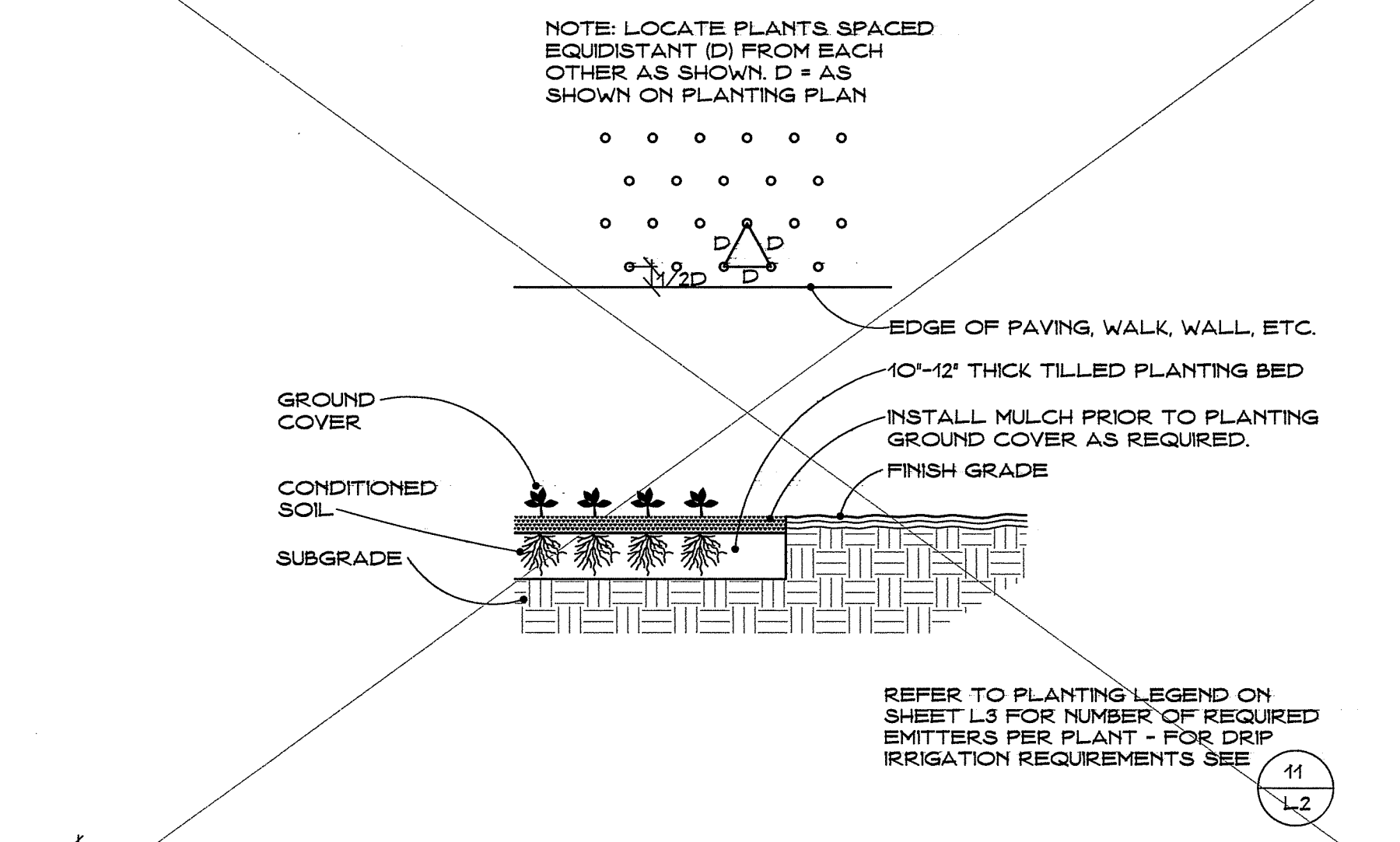
11  
L2

6 TYPICAL TREE/LARGE SHRUB PLANTING  
NO SCALE

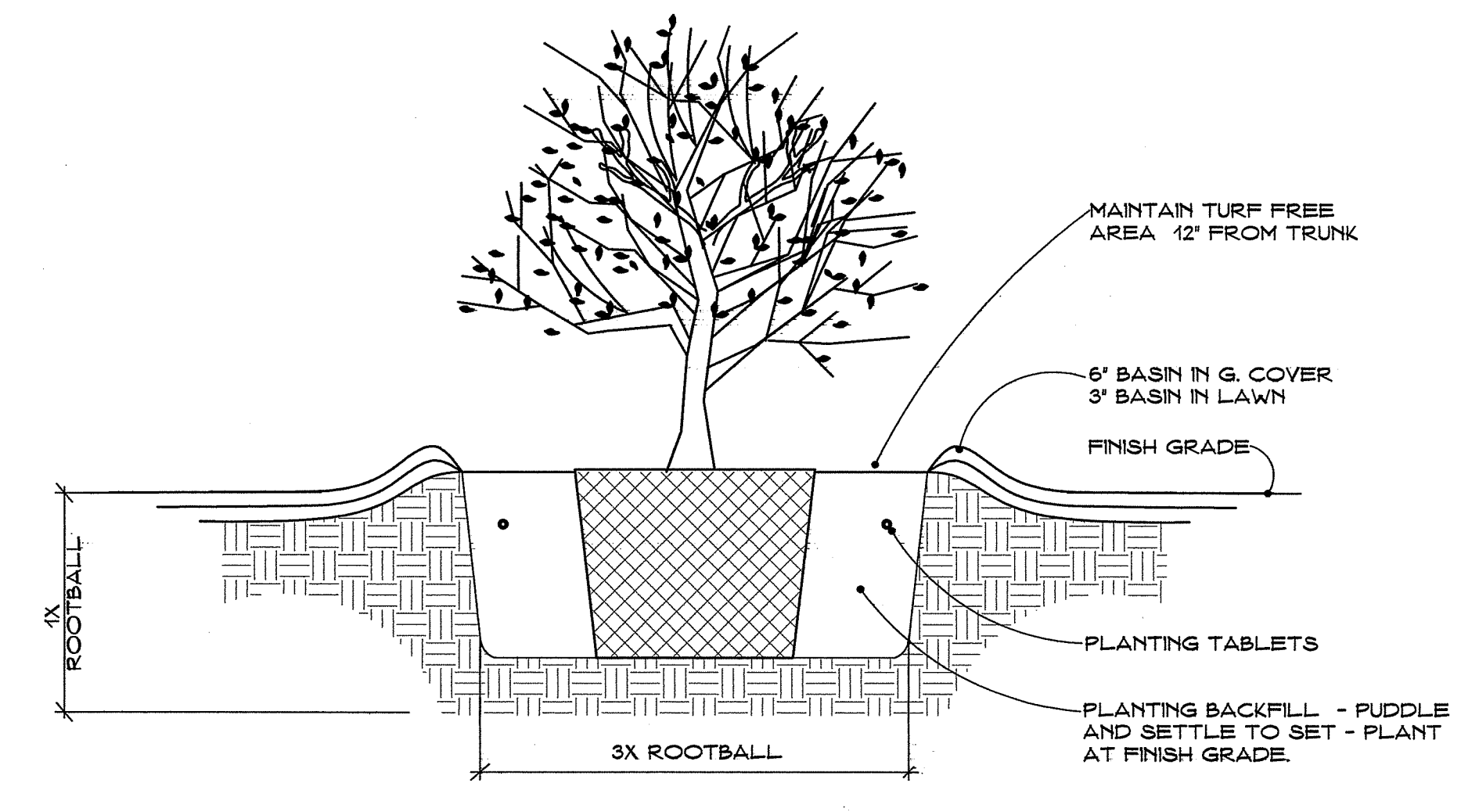


7  
L2  
DEEP WELL BUBBLER  
2 REQUIRED

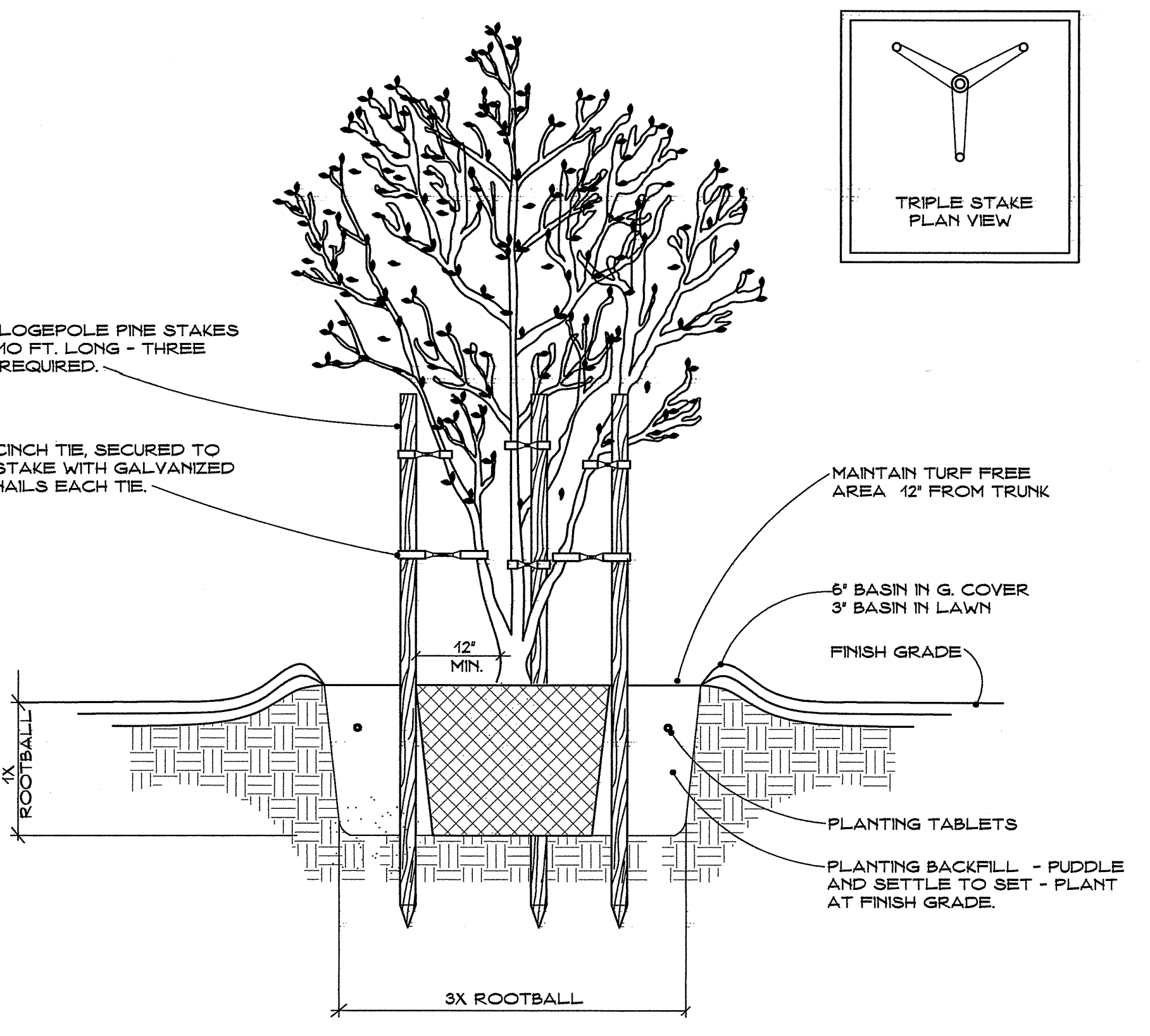
4 TYPICAL TREE PLANTING WITH ROOT WATERING  
NO SCALE



1 GROUND COVER PLANTING  
NO SCALE



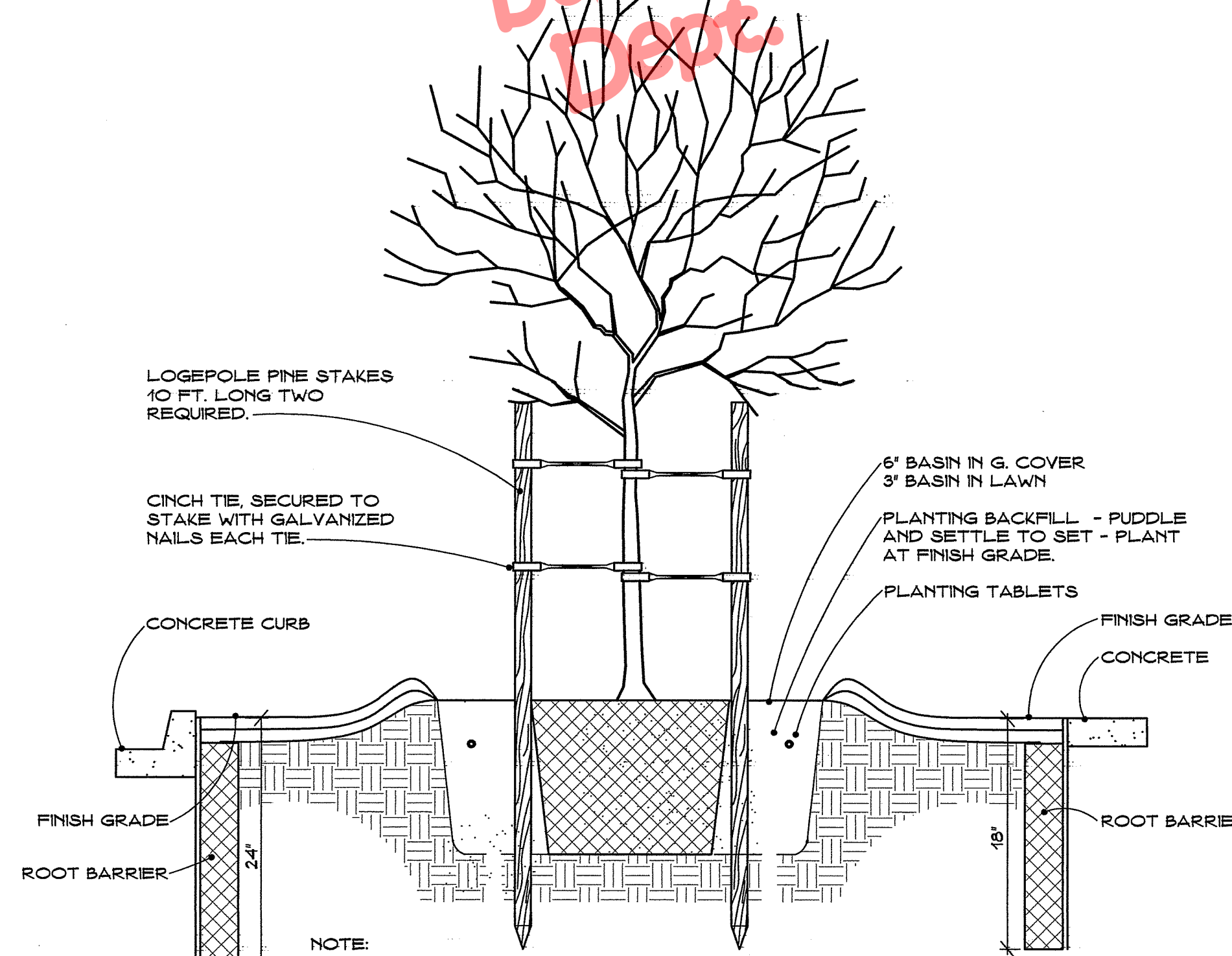
2 SHRUB PLANTING  
NO SCALE



REFER TO PLANTING LEGEND ON SHEET L3 FOR NUMBER OF REQUIRED EMITTERS PER TREE - FOR DRIP IRRIGATION REQUIREMENTS SEE

11  
L2

7 MULTI-TRUNK TREE PLANTING  
NO SCALE

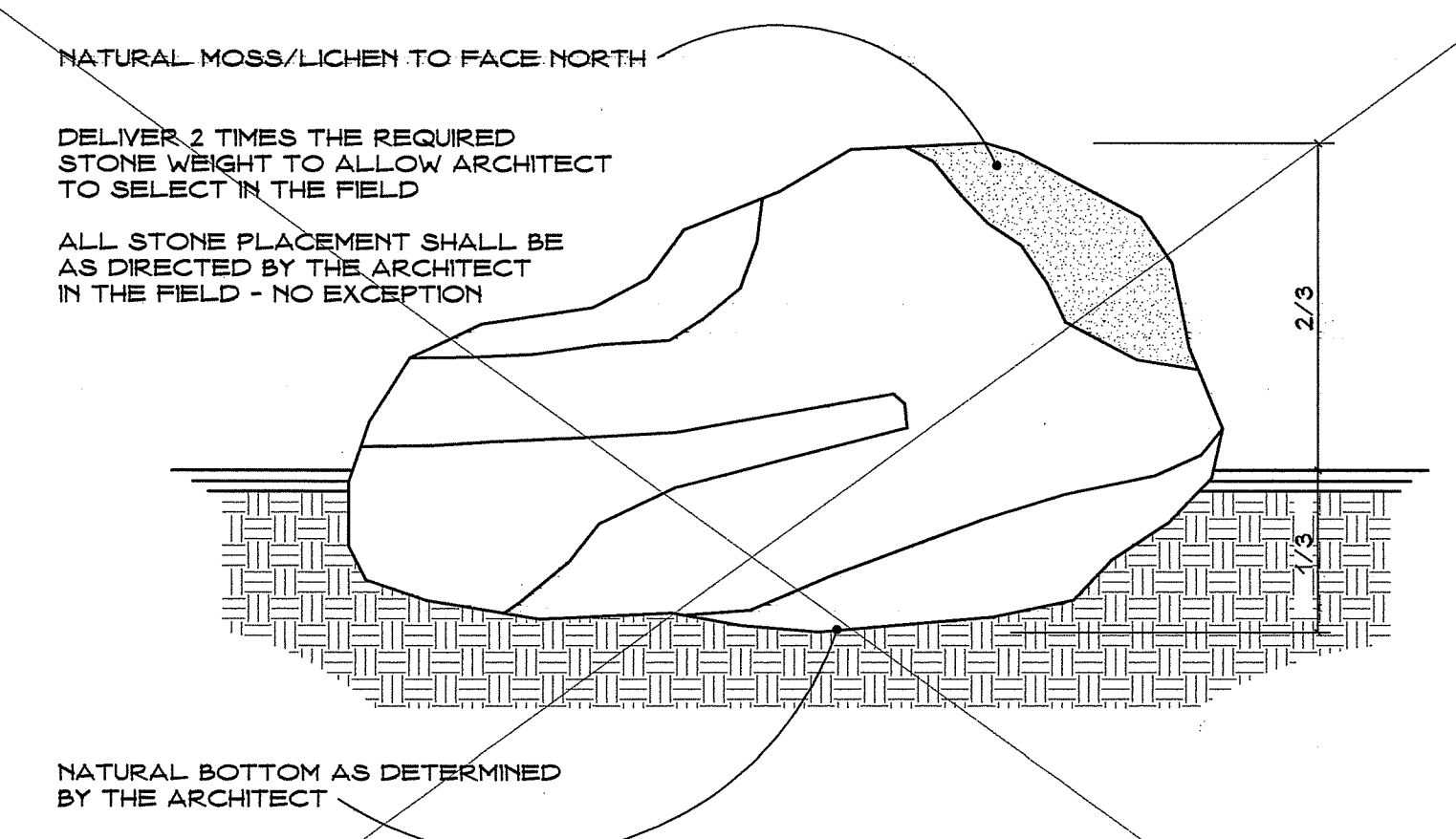


NOTE:  
1. TOP OF ROOT CONTROL BARRIER MUST BE AT GRADE.  
2. POSITION ROOT CONTROL BARRIER ADJACENT TO STRUCTURE.  
3. RAISED ROOT DEFLECTORS MUST BE FACING PLANTED AREA.  
4. PROVIDE A MIN. OF 12 FEET OF ROOT BARRIER PER TREE.  
5. ROOT BARRIER SHALL BE A MIN. OF 18" BELOW GRADE ON WALK SIDE.  
6. ROOT BARRIER SHALL BE A MIN. OF 24" BELOW GRADE ON CURB SIDE.

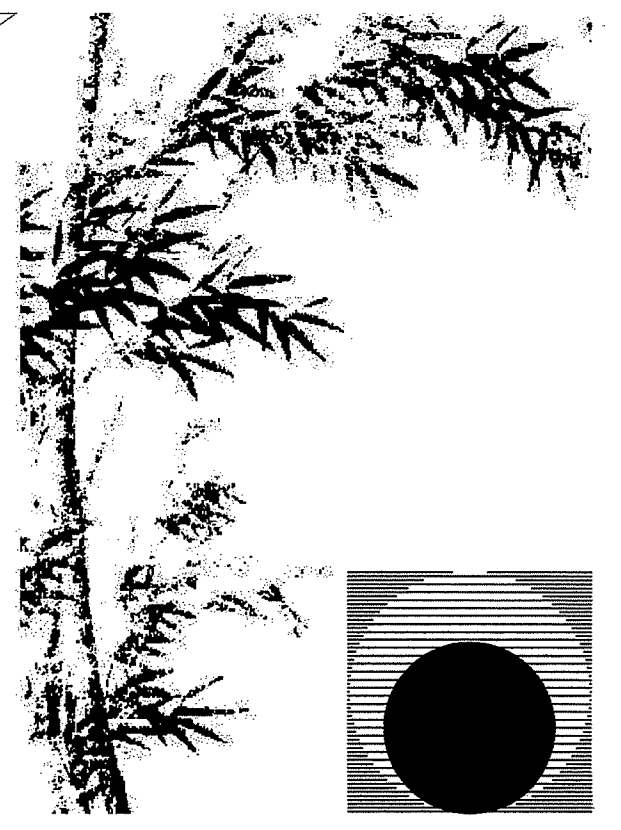
REFER TO PLANTING LEGEND ON SHEET L3 FOR NUMBER OF REQUIRED EMITTERS PER TREE - FOR DRIP IRRIGATION REQUIREMENTS SEE

11  
L2

5 TYPICAL TREE PLANTING WITH ROOT BARRIER  
NO SCALE

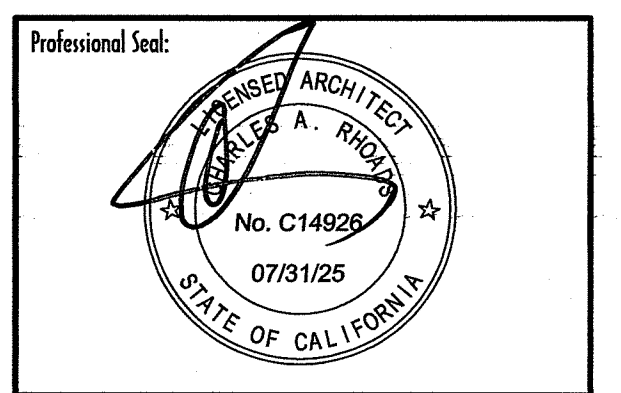


3 STONE PLACEMENT  
NO SCALE



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Consultant:

Drawing Status:

Contract Document

Revision Summary:

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Planting Details**

Date: 11/16/23  
Project: 22-102  
Scale: Indicated

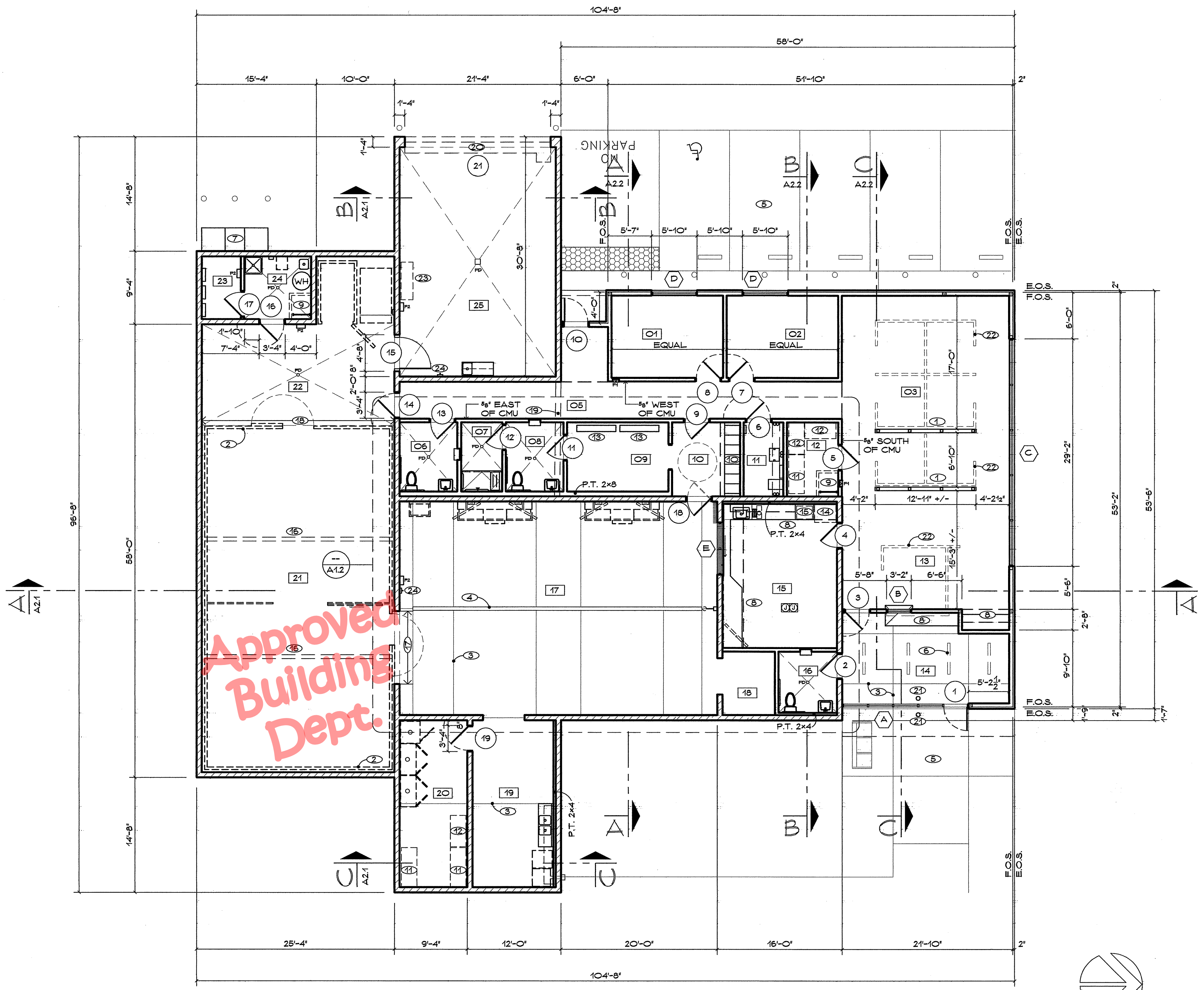
Sheet No.: **L4**  
Of 4 Sheets

Approved  
Building  
Dept.

WALL KEY	
 FACE OF STUD BACK 2" (EXTERIOR) EXTERIOR WALL	NEW STUD WALL - STUDS @ 16" O.C. 2X6 UNLESS NOTED OTHERWISE R-21 FSK-FACE BATT INSULATION 15/32" STRUCTURAL SHEATHING 1/2" VERTICAL NAILABLE POLYISO. INSULATION (R-6.6) WEATHER BARRIER PER SPECS. 3/4" CEMENT PLASTER WITH ACRYLIC FINISH OVER SELF-FURRING METAL LATH
 INTERIOR WALL	NEW STUD WALL - STUDS @ 16" O.C. 2X6 UNLESS NOTED OTHERWISE PRESSURE TREATED WHERE ABUTS C.M.U. WALL R19 UNFACED BATT INSULATION
 NEW 8" C.M.U. WALL POUR SOLID	FOR SPECIFIC C.M.U. FACES AND JOINT TYPES REFER TO

LEGEND	
	ROOM NUMBER - REFER TO KEY BELOW
	DOOR/FRAME PER SCHEDULE ON SHEET A6.1
	WINDOW PER SCHEDULE ON SHEET A7.1
	SECTION INDICATOR
F1	2A-10BC FIRE EXTINGUISHER IN RECESSED WALL CABINET
F2	4A-60BC FIRE EXTINGUISHER IN SURFACE WALL CABINET
FD	FLOOR DRAIN PER PLUMBING SLOPE FLOOR AS SHOWN MAX. 1/4" DOWN (NO DEPRESSED SLAB)
	SLOPE BREAK LINE
	SPECIALIZED EQUIPMENT PER SHEET EQ-1

ROOM NAME KEY LIST	
NUMBER	ROOM NAME
O1	OFFICE 1
O2	OFFICE 2
O3	OPEN OFFICE 1
O4	(NOT USED)
O5	CORRIDOR
O6	UNISEX 1
O7	UNISEX SHOWER
O8	UNISEX 2
O9	PREP ROOM
O10	LOCKER ROOM
O11	I.T. CLOSET
O12	STORAGE
O13	OPEN OFFICE 2
O14	LOBBY
O15	MEETING ROOM
O16	UNISEX 3
O17	AUTOPSY
O18	X-RAY STORAGE
O19	HISTOLOGY
O20	EVIDENCE STORAGE
O21	WALK-IN REFRIGERATOR
O22	INTAKE
O23	PANEL ROOM
O24	MECHANICAL
O25	SALLY PORT



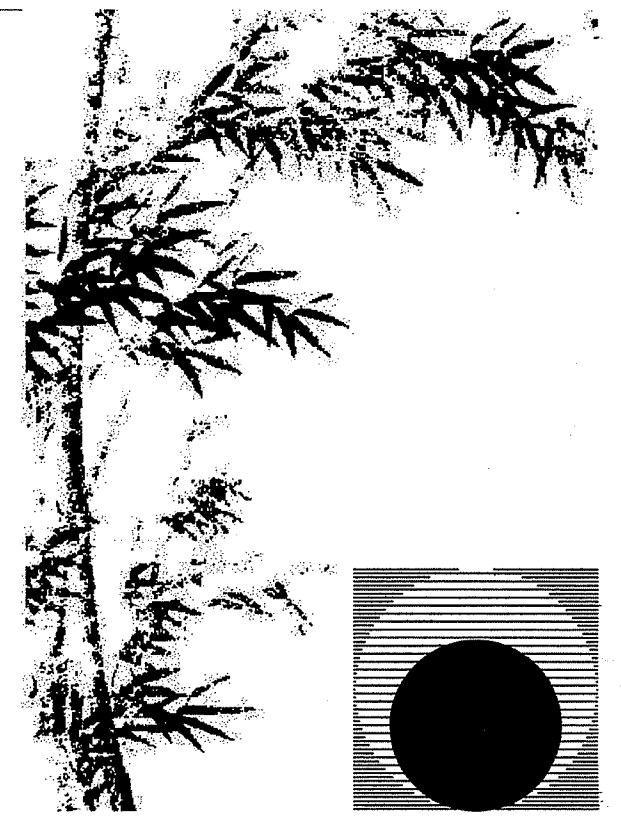
MASTER FLOOR PLAN

KEY NOTES (THIS SHEET ONLY)

- 1 WALL UP TO +8'-0" WITH SMOOTH TEXTURE - PAINT METALLIC ACCENT COLOR
- 2 MODULAR WALK-IN BOX BY OWNER'S VENDOR PER SHEET EQ-1
- 3 CONTROL JOINTS AS SHOWN
- 4 TRENCH DRAIN PER PLUMBING SHEETS
- 5 CONCRETE FLATWORK PER SHEET SD2
- 6 SUSPENDED LIGHT FIXTURES PER ELECTRICAL SHEETS
- 7 MAIN PANEL PER ELECTRICAL SHEETS
- 8 CASEWORK AS DETAILED
- 9 ROOF ACCESS LADDER AND SHAFT
- 10 SOLID PLASTIC LOCKERS PER SPECIFICATIONS 10500
- 11 24"x60" WIRE SHELVING PER SPECIFICATIONS 10050
- 12 24"x48" WIRE SHELVING PER SPECIFICATIONS 10050
- 13 BENCH PER SPECIFICATIONS 10050
- 14 REFRIGERATOR PER SPECIFICATION 11450
- 15 MICROWAVE PER SPECIFICATION 11450
- 16 WALK-IN BOX CEILING SELF-SUPPORT BEAM BY BOX VENDOR
- 17 THIS PORTION OF WALK-IN BOX TO BE FINISHED IN NO. 4 STAINLESS STEEL UP TO +7'-4" A.F.F. - PROVIDE MATCHING CLOSURE TRIM AROUND PERIMETER - ALL PART OF WALK-IN BOX PACKAGE
- 18 THIS PORTION OF WALK-IN BOX TO BE FINISHED IN NO. 4 STAINLESS STEEL UP TO +12'-0" A.F.F. - PROVIDE MATCHING CLOSURE TRIM AROUND PERIMETER - ALL PART OF WALK-IN BOX PACKAGE
- 19 CMU WALL OVERHEAD - +12'-0" A.F.F. TO BOTTOM OF WALL
- 20 OVERHEAD COILING ALUMINUM SLAT DOOR
- 21 DOOR ACTUATOR BOLLARD
- 22 OFFICE PARTITION SYSTEM BY OWNER'S VENDOR
- 23 AREA FOR RECYCLING BINS
- 24 HIGH PRESSURE WASH REMOTE STATION

GENERAL NOTES (THIS SHEET ONLY)

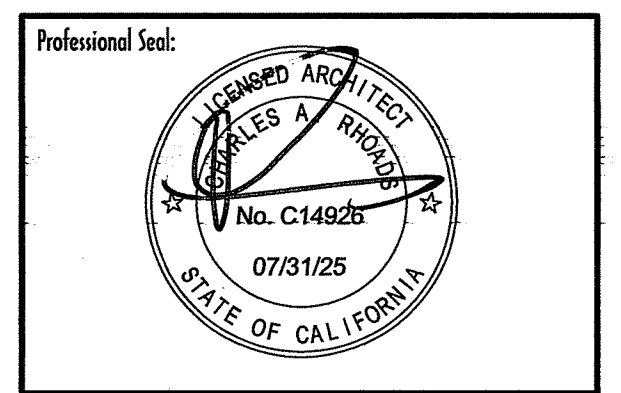
ALL DIMENSIONS ARE TO FACE OF STUD OR CMU UNLESS INDICATED AS ± OR E.O.S.  
 ALL DOOR OPENINGS SET 3" OFF ADJACENT WALL UNLESS DIMENSIONED



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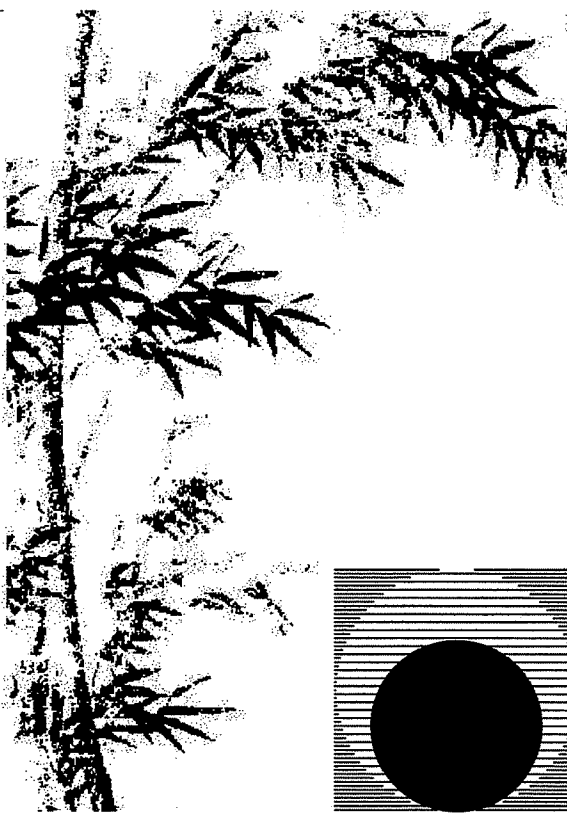
Drawing Status:

Contract Document

Revision Summary:

Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**  
 Sheet Description:  
**Master Floor Plan**

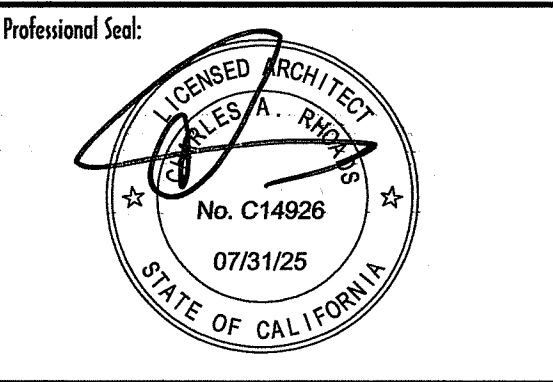
Date: 11/16/23  
 Project: 22-102  
 Scale: 1/8" = 1'  
 Sheet No.: **A1.1**  
 Of 26 Sheets



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Consultant:

Drawing Status:  
**Contract Document**

Revision Summary:

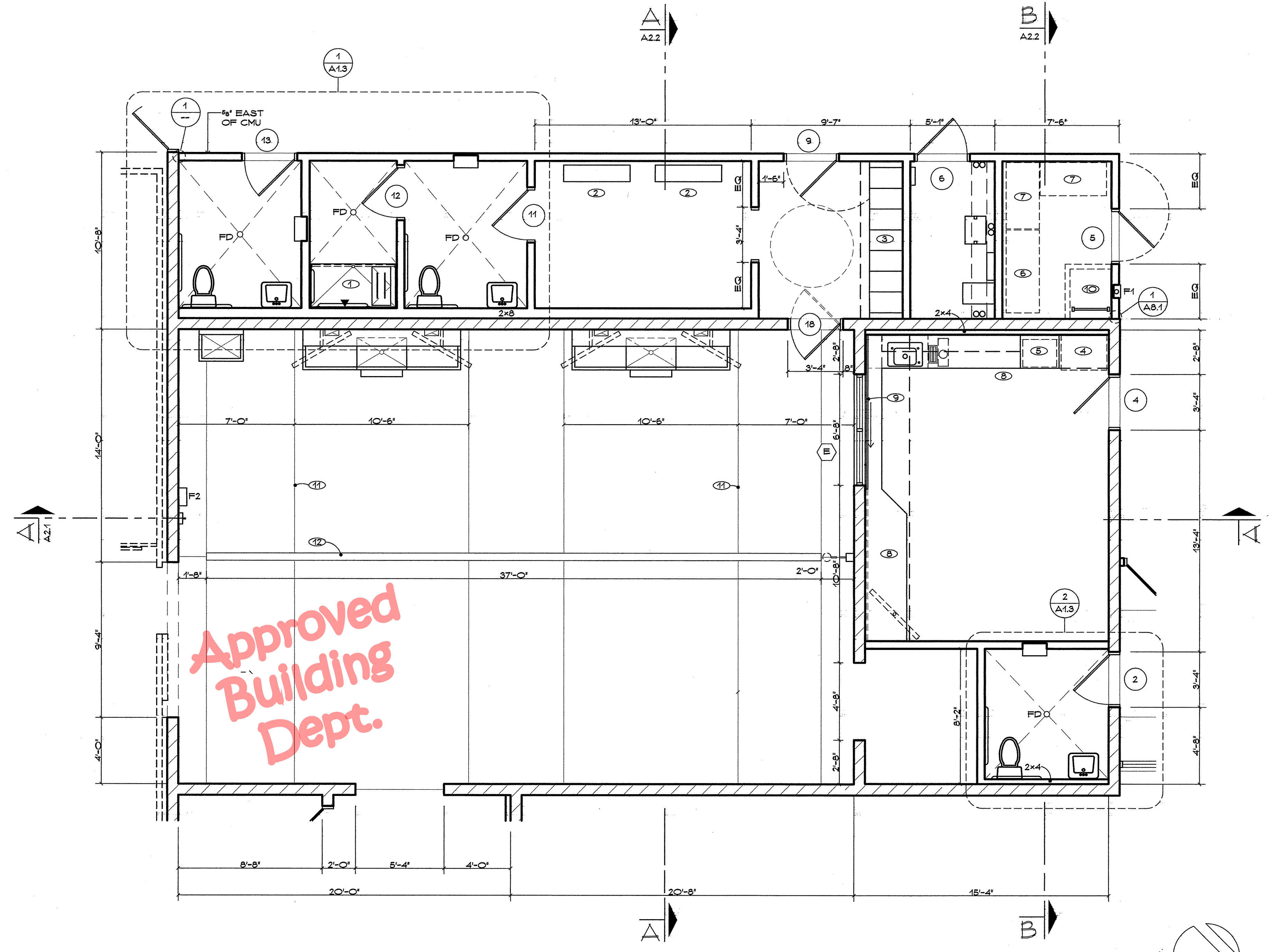
Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Enlarged Plan: Autopsy**

Date: 11/16/23  
Project: 22-102  
Scale: 1/4" = 1'  
Sheet No.: **A1.2**  
Of 26 Sheets

WALL KEY	
 FACE OF STUD BACK 2" (EXTERIOR) INTERIOR WALL	NEW STUD WALL - STUDS @ 16" O.C. 2X6 UNLESS NOTED OTHERWISE R-21 FSK-FACE BATT INSULATION 1/2" VERTICAL NAILABLE POLYISO. INSULATION (R-6.8) WEATHER BARRIER PER SPECS. 3/4" CEMENT PLASTER WITH ACRYLIC FINISH OVER SELF-FURRING METAL LATH
 INTERIOR WALL	NEW STUD WALL - STUDS @ 16" O.C. 2X6 UNLESS NOTED OTHERWISE PRESSURE TREATED WHERE ABUTS CMU WALL R19 UNFACED BATT INSULATION
 NEW 8" CMU WALL POUR SOLID	FOR SPECIFIC CMU FACES AND JOINT TYPES REFER TO A4

LEGEND	
	ROOM NUMBER - REFER TO KEY ON SHEET A1.1
	DOOR/FRAME PER SCHEDULE ON SHEET A6.1
	WINDOW PER SCHEDULE ON SHEET A7.1
	SECTION INDICATOR
F1	2A-10BC FIRE EXTINGUISHER IN RECESSED WALL CABINET
F2	4A-60BC FIRE EXTINGUISHER IN SURFACE WALL CABINET
FD	FLOOR DRAIN PER PLUMBING SLOPE FLOOR AS SHOWN MAX. 1/4" DOWN (NO DEPRESSED SLAB)
	SLOPE BREAK LINE



**Approved Building Dept.**

ENLARGED PLAN: AUTOPSY

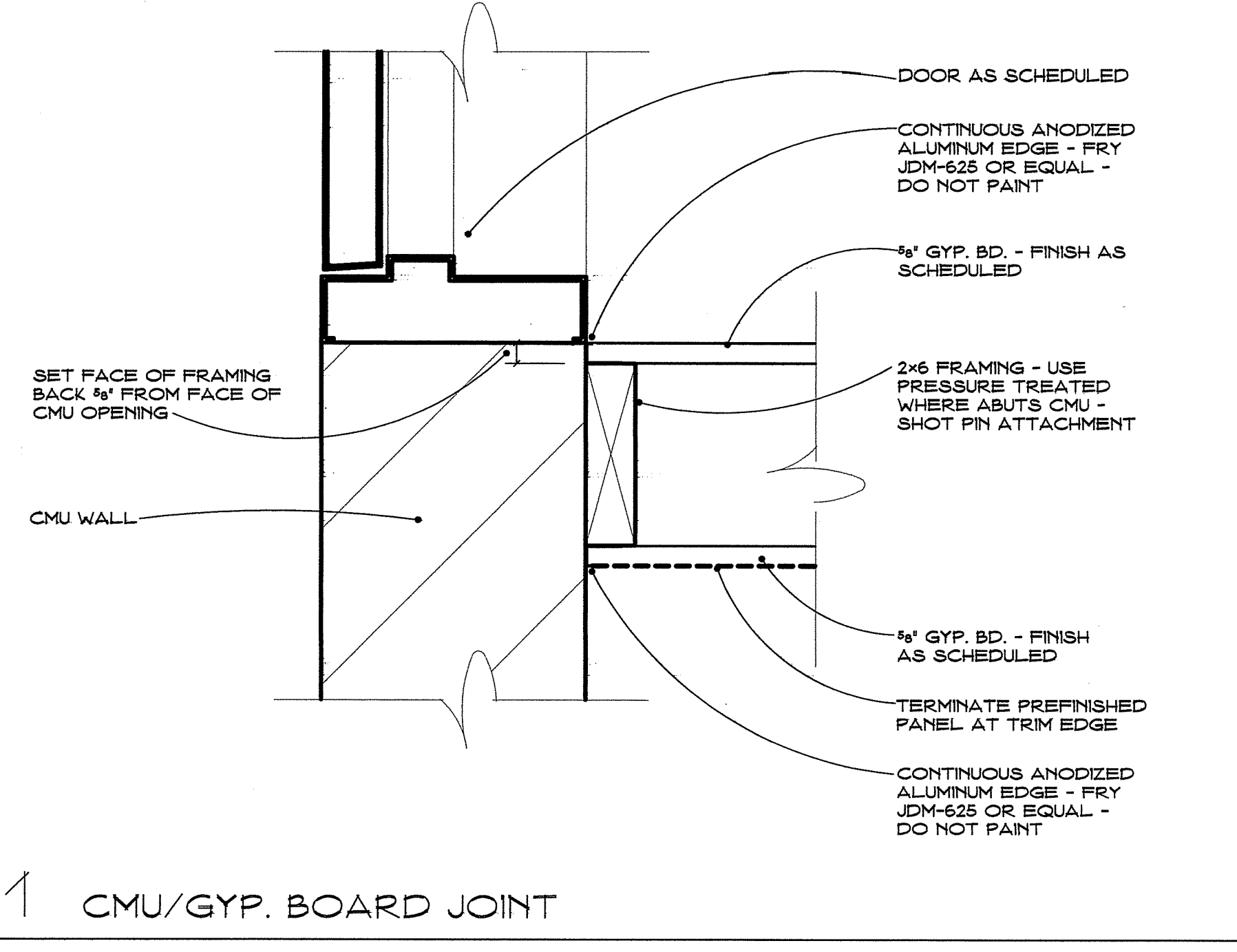
SCALE: 1/4" = 1'-0"

KEY NOTES (THIS SHEET ONLY)

- ① MODULAR SHOWER ENCLOSURE PER PLUMBING SHEETS
- ② PHENOLIC BENCHES PER SPECIFICATIONS SECTION 10500
- ③ PHENOLIC LOCKERS PER SPECIFICATIONS SECTION 10500
- ④ REFRIGERATOR PER SPECIFICATIONS 11450
- ⑤ MICROWAVE PER SPECIFICATIONS 11450
- ⑥ 24"x60" WIRE SHELVEING PER SPECIFICATIONS 10080
- ⑦ 24"x48" WIRE SHELVEING PER SPECIFICATIONS 10080
- ⑧ PLASTIC LAMINATE CASEWORK
- ⑨ ROLLING WHITEBOARD
- ⑩ ROOF ACCESS LADDER AND SHAFT
- ⑪ CONTROL JOINTS AS SHOWN
- ⑫ TRENCH DRAIN PER PLUMBING SHEETS

GENERAL NOTES (THIS SHEET ONLY)

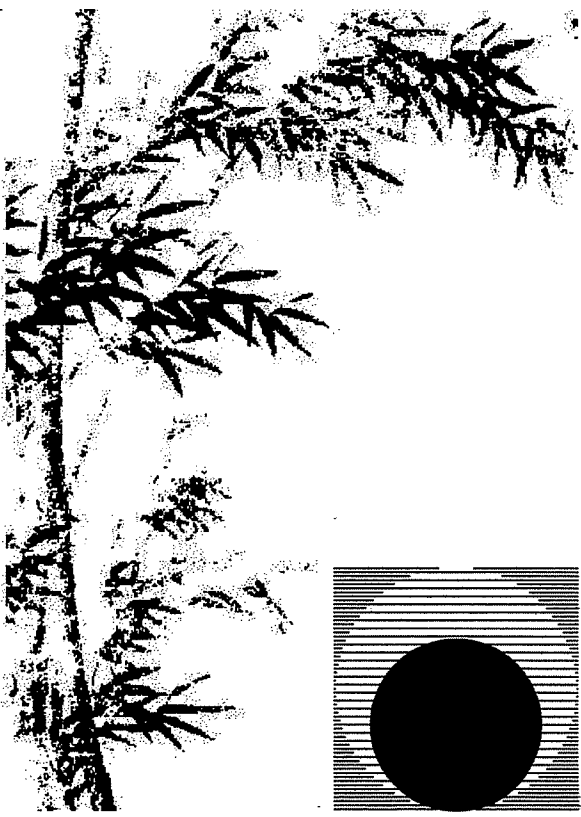
ALL DIMENSIONS ARE TO FACE OF STUD OR CMU UNLESS INDICATED AS &  
ALL DOOR OPENINGS SET 3" OFF ADJACENT WALL UNLESS DIMENSIONED



1 CMU/GYP. BOARD JOINT

SCALE: 3/8" = 1'-0"

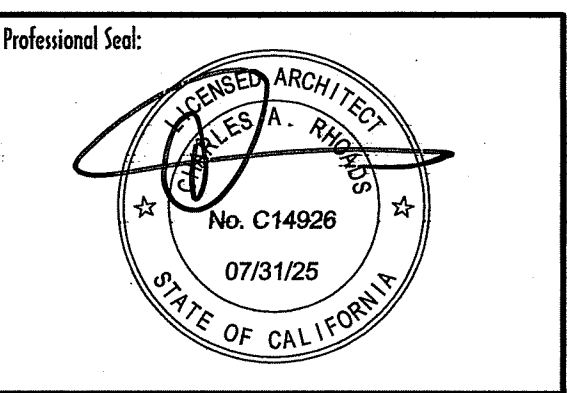




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Consultant:

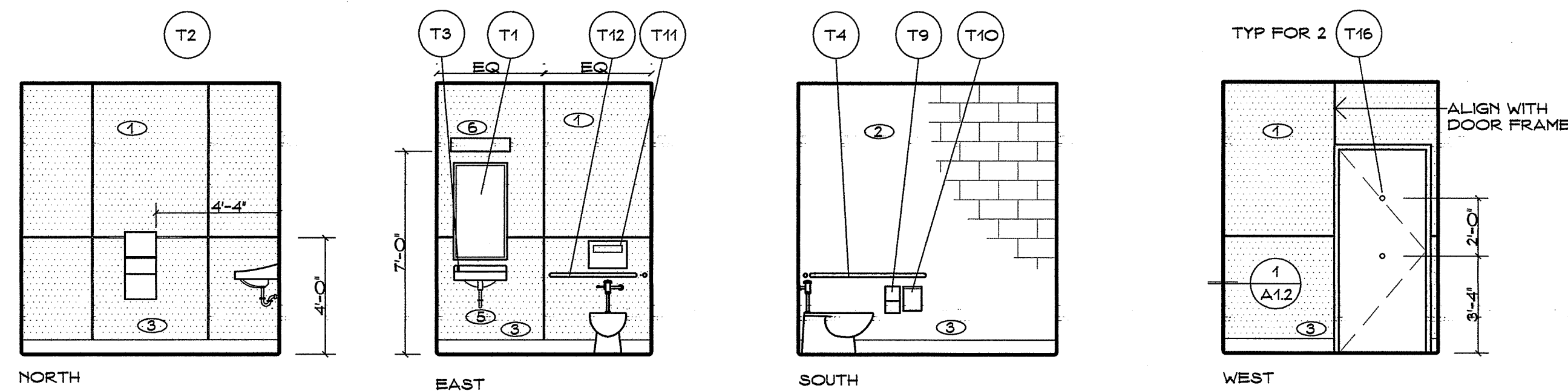
Drawing Status:  
**Contract Document**

Revision Summary:


Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Enlarged Plan: Bathrooms**  
Interior Elevations

Date: 11/16/23  
Project: 22-102  
Scale: 1/4" = 1'  
Sheet No.: **A1.3**  
Of 23 Sheets



06 UNISEX 1

T- REFER TO SPECIFICATIONS SECTION 10800 FOR KEY TO ACCESSORIES  
HOLD PANEL TRIM BACK TO ALLOW ALL ACCESSORIES TO MOUNT FLUSH WITH WALL

SCALE: 1/4" = 1'-0"

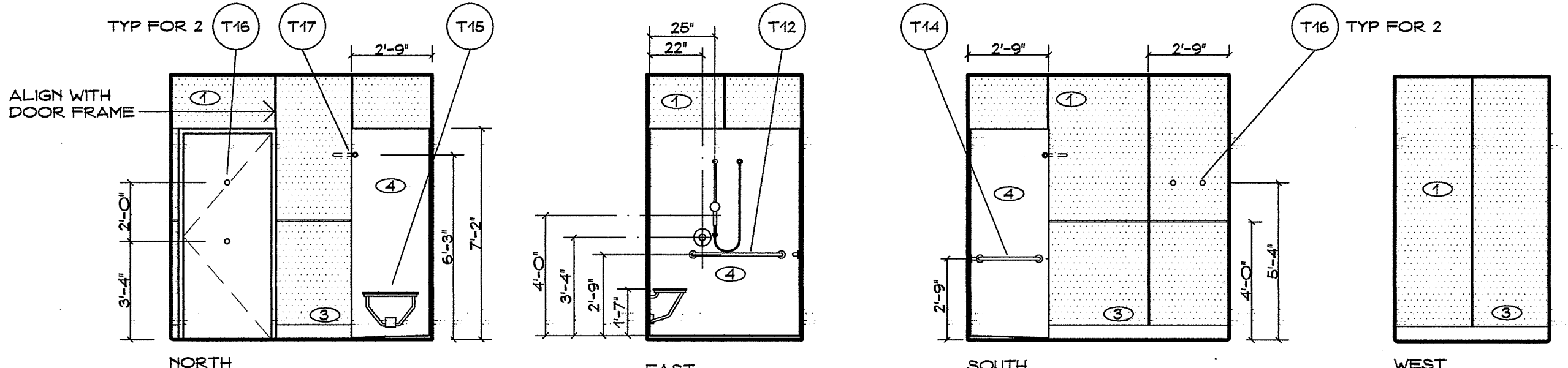
**GENERAL NOTES (THIS SHEET ONLY)**

ALL DIMENSIONS ARE TO FACE OF STUD OR CMU UNLESS INDICATED AS &  
ALL DOOR OPENINGS SET 3" OFF ADJACENT WALL UNLESS DIMENSIONED

**KEY NOTES (THIS SHEET ONLY)**

- ① PRE-FINISHED PANEL PER FINISH SCHEDULE - INSTALL PER PANEL JOINTS LOCATED AS SHOWN
- ② GROUND FACE CMU WITH TOOLED JOINTS WITH P-4 FINISH
- ③ 6" TALL INTEGRAL COVE BASE
- ④ MODULAR SHOWER ENCLOSURE PER PLUMBING SHEETS
- ⑤ PRE-FORMED INSULATION ON ALL EXPOSED PIPING
- ⑥ LIGHT FIXTURE PER ELECTRICAL - CENTER OVER MIRROR

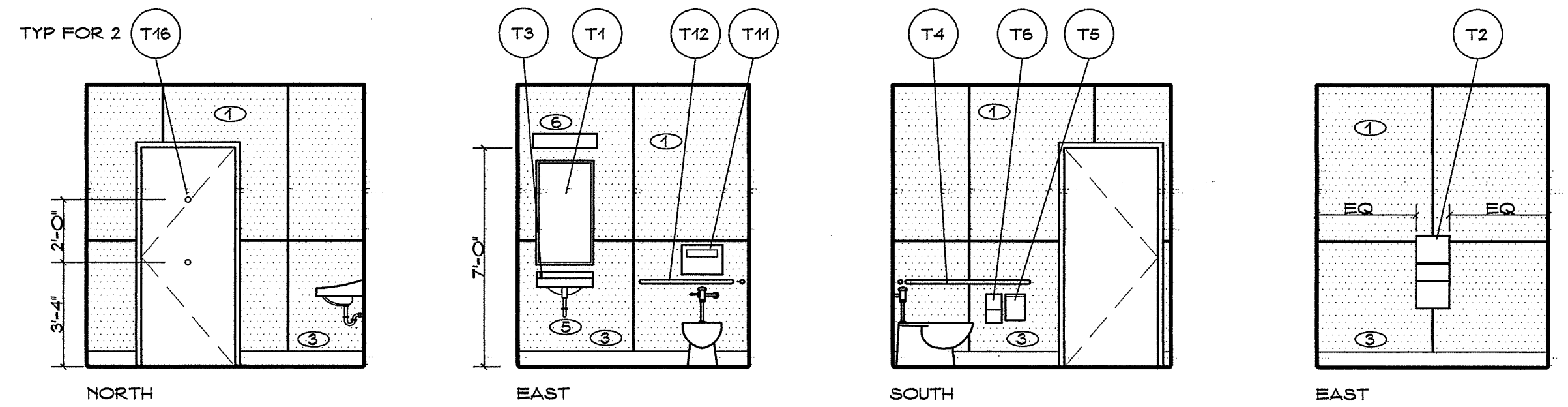
Approved  
Building  
Dept.



07 UNISEX SHOWER

T- REFER TO SPECIFICATIONS SECTION 10800 FOR KEY TO ACCESSORIES  
HOLD PANEL TRIM BACK TO ALLOW ALL ACCESSORIES TO MOUNT FLUSH WITH WALL

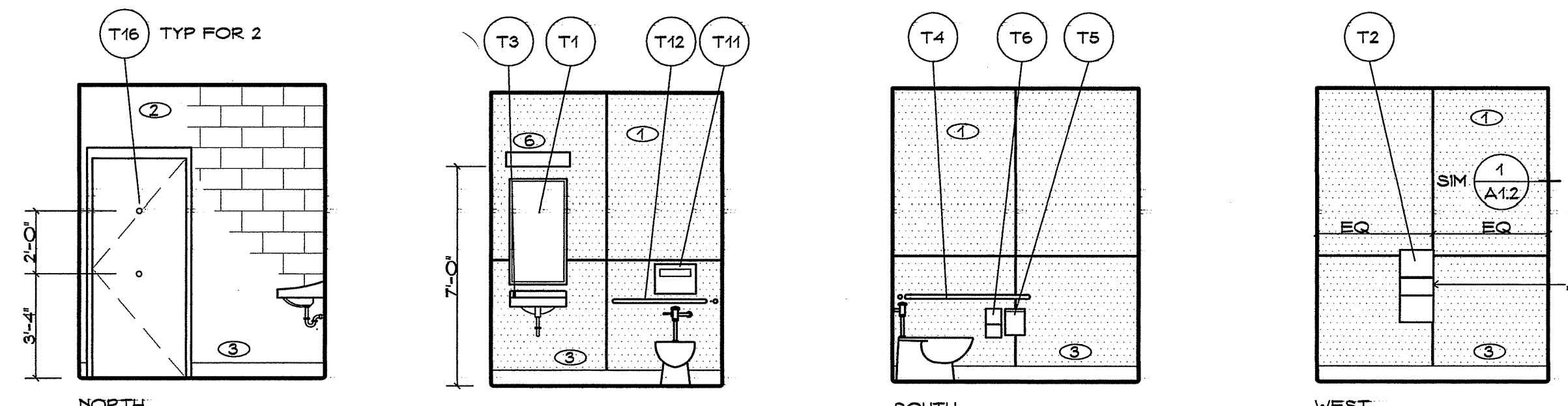
SCALE: 1/4" = 1'-0"



08 UNISEX 2

T- REFER TO SPECIFICATIONS SECTION 10800 FOR KEY TO ACCESSORIES  
HOLD PANEL TRIM BACK TO ALLOW ALL ACCESSORIES TO MOUNT FLUSH WITH WALL

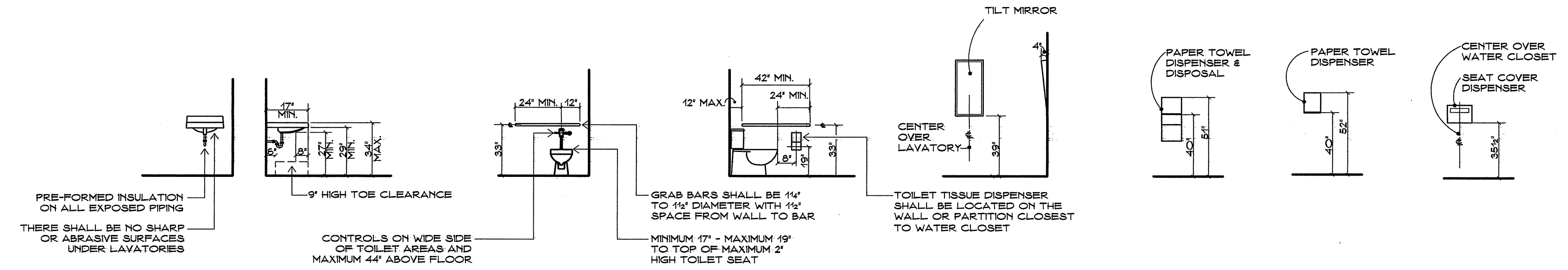
SCALE: 1/4" = 1'-0"



16 UNISEX 3

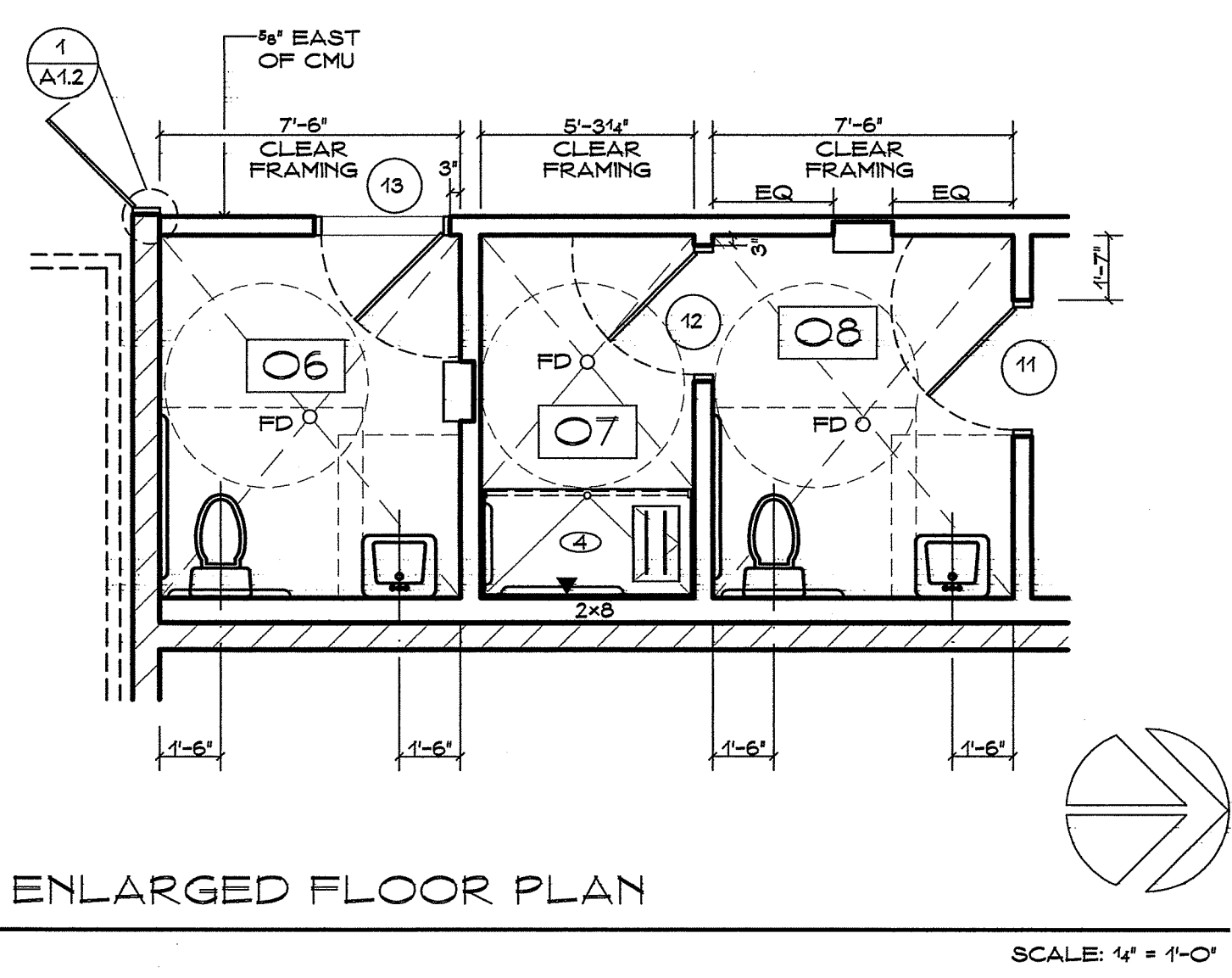
T- REFER TO SPECIFICATIONS SECTION 10800 FOR KEY TO ACCESSORIES  
HOLD PANEL TRIM BACK TO ALLOW ALL ACCESSORIES TO MOUNT FLUSH WITH WALL

SCALE: 1/4" = 1'-0"



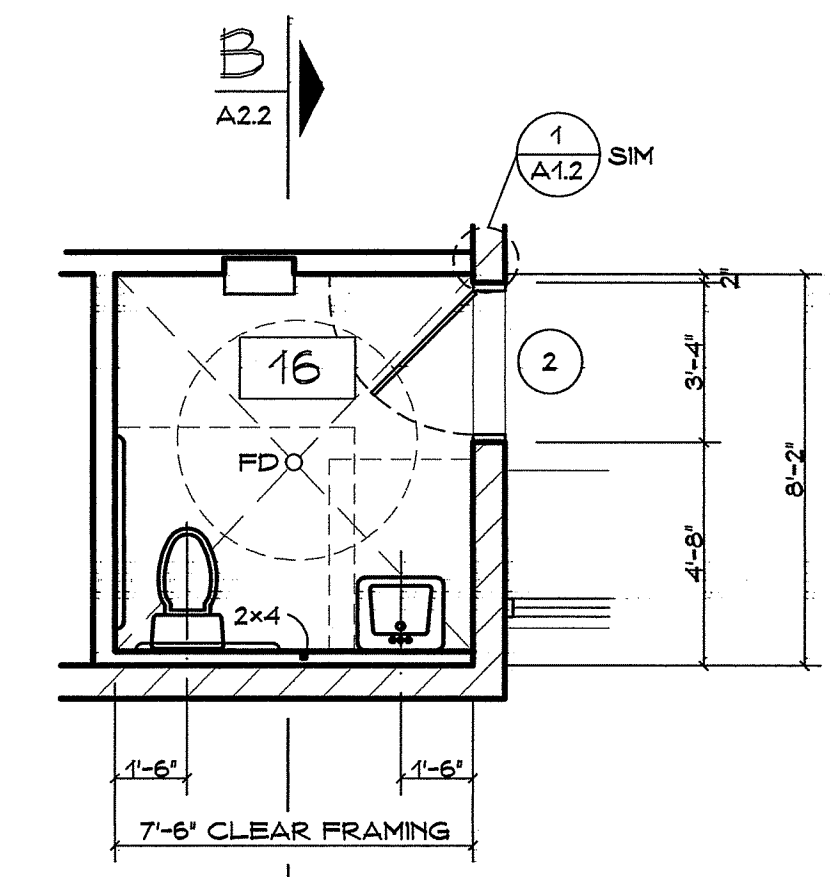
**ACCESS REQUIREMENTS**

NO SCALE



1 ENLARGED FLOOR PLAN

SCALE: 1/4" = 1'-0"



2 ENLARGED FLOOR PLAN

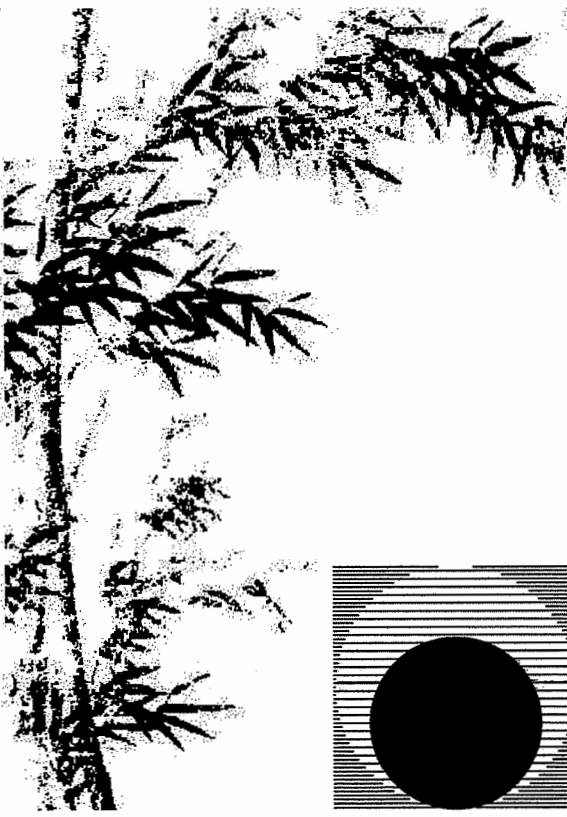
SCALE: 1/4" = 1'-0"

**WALL KEY**

	NEW STUD WALL - STUDS @ 16" O.C. 2X6 UNLESS NOTED OTHERWISE PRESSURE TREATED WHERE ABUTS
	CMU WALL
	R19 UNFACED BATT INSULATION
	NEW 8" CMU WALL
	FOUR SOLID
	FOR SPECIFIC CMU FACES AND JOINT TYPES REFER TO A4

**LEGEND**

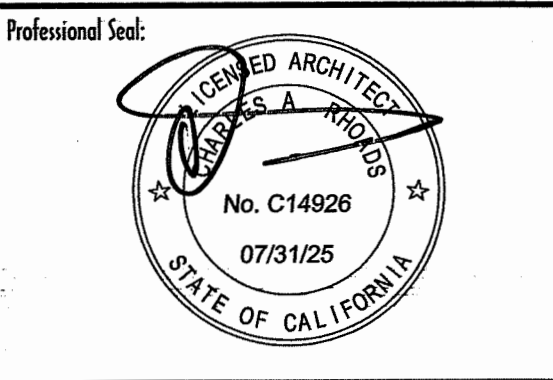
	ROOM NUMBER - REFER TO KEY ON SHEET A1.1
	DOOR/FRAME PER SCHEDULE ON SHEET A6.1
	SECTION INDICATOR
	FLOOR DRAIN PER PLUMBING SLOPE FLOOR AS SHOWN MAX. 1/4" DOWN (NO DEPRESSED SLAB)
	SLOPE BREAK LINE



**Chas Rhoads**  
Architecture  
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Landscape

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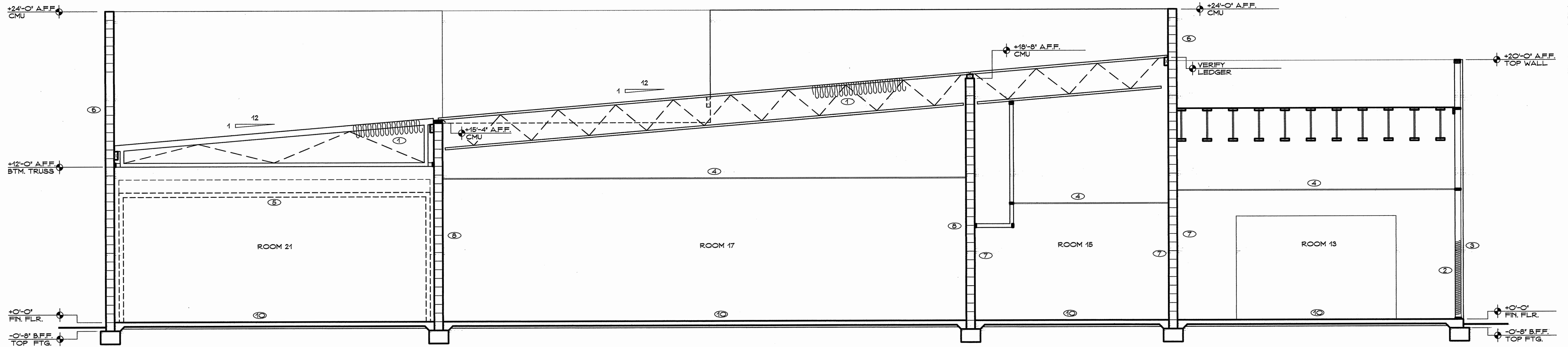


Consultant:

Drawing Status:  
**Contract Document**  
Revision Summary:

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**  
Sheet Description:  
**Sections**

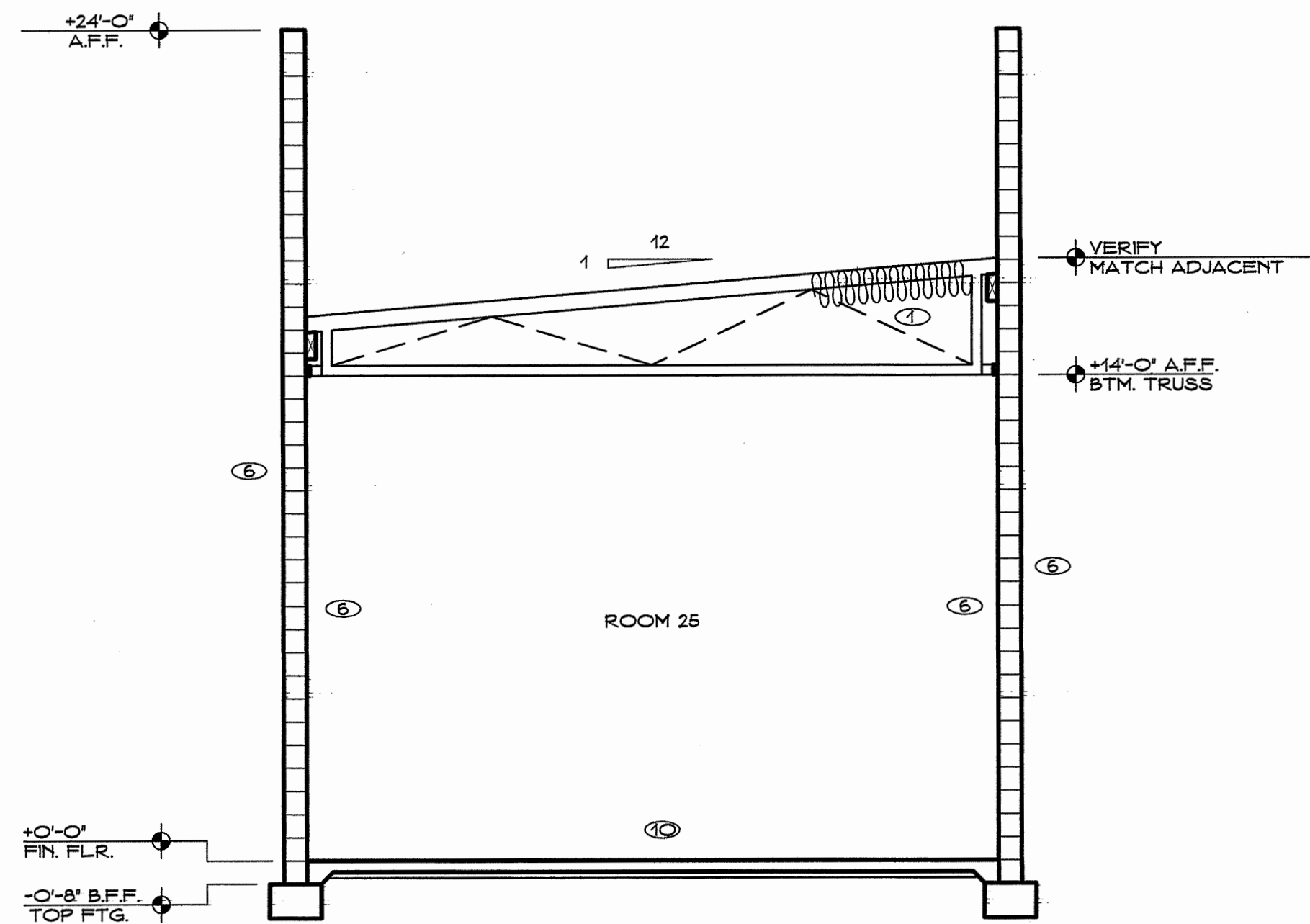
Date: 11/16/23  
Project: 22-102  
Scale: 1/4" = 1'  
Sheet No.: **A2.1**  
Of 26 Sheets



**A** LONGITUDINAL SECTION

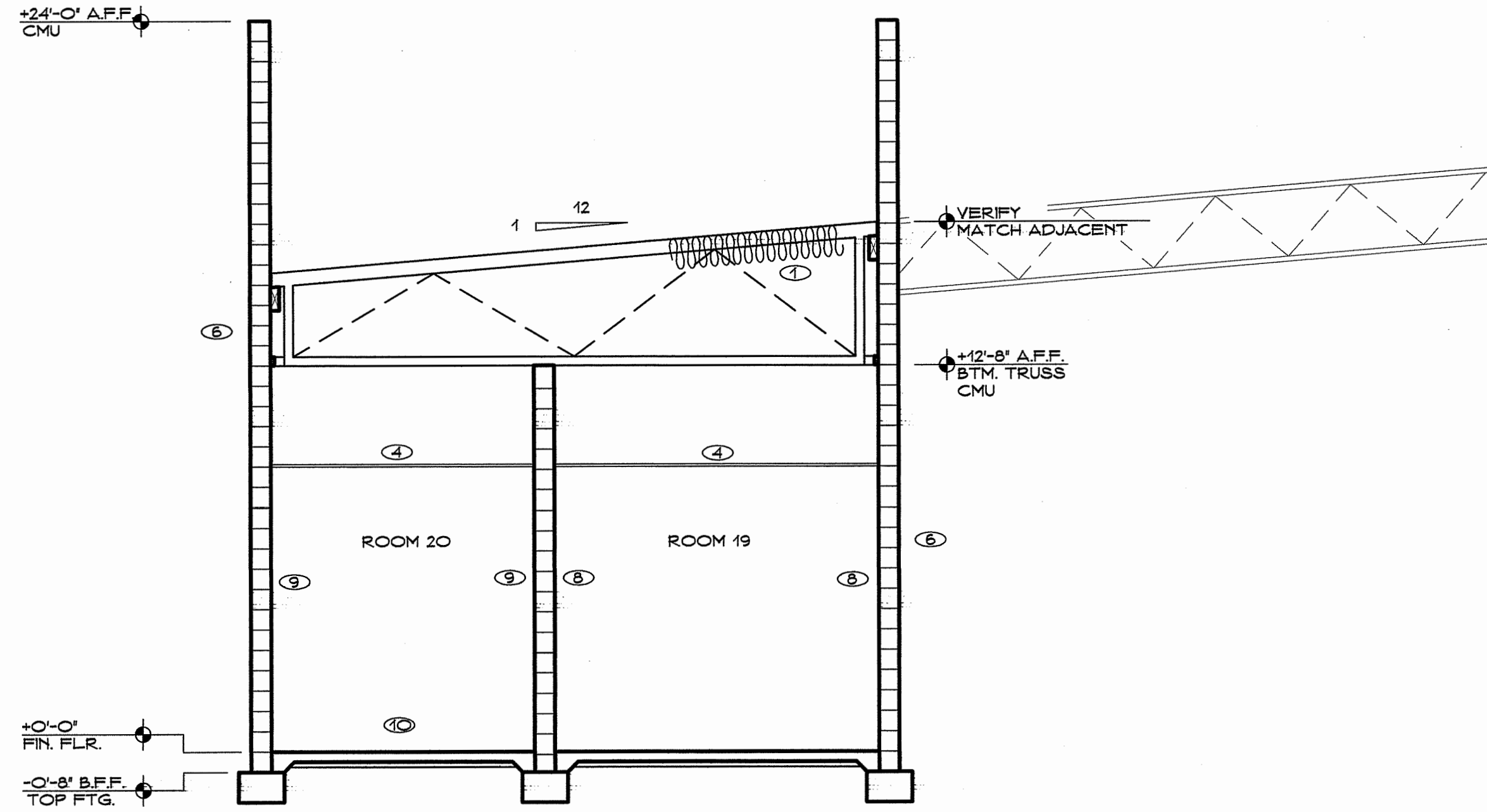
SCALE: 1/4" = 1'-0"

**Approved  
Building  
Dept.**



**B** CROSS SECTION

SCALE: 1/4" = 1'-0"



**C** CROSS SECTION

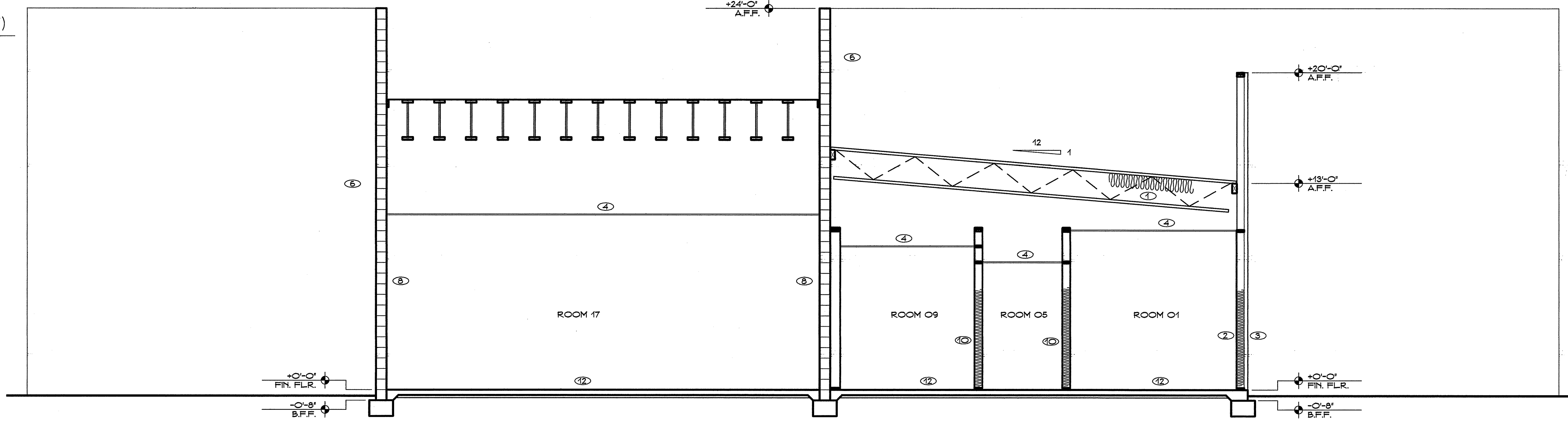
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**KEY NOTES (THIS SHEET ONLY)**

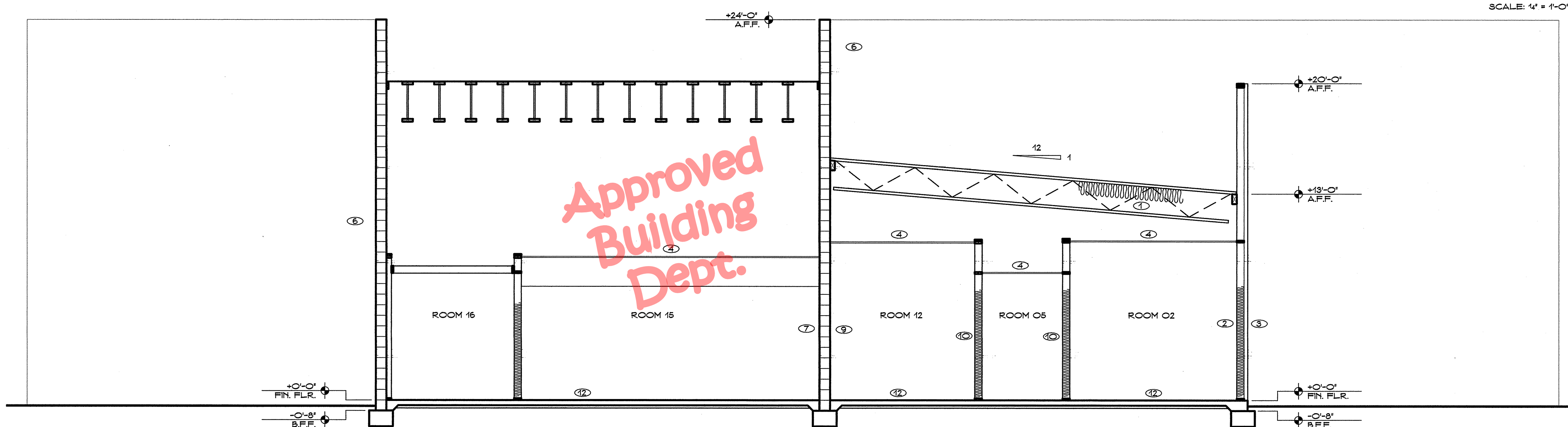
- |   |  |  |
|---|--|--|
| ① R-38 FSK BATT INSULATION - TYPICAL AT ALL ATTIC AREAS             | ④ SUSPENDED CEILING AS SCHEDULED                     | ⑧ COMMON FACE CMU WITH FLUSH JOINTS AND EPOXY WALL COATING           |
| ② R-21 FSK BATT INSULATION - TYPICAL AT ALL EXTERIOR FRAMED WALLS   | ⑤ MODULAR WALK-IN BOX BY OWNER'S VENDOR              | ⑨ COMMON FACE CMU WITH TOOLED JOINTS AND P-2 FINISH                  |
| ③ 1 1/2" NAILABLE INSULATION - TYPICAL AT ALL EXTERIOR FRAMED WALLS | ⑥ GROUND FACE CMU WITH TOOLED JOINTS AND P-50 FINISH | ⑩ CONCRETE SLAB PER STRUCTURAL OVER 2" SAND AND 15 MIL VAPOR BARRIER |
|   | ⑦ GROUND FACE CMU WITH TOOLED JOINTS AND P-4 FINISH  |  |

KEY NOTES (THIS SHEET ONLY)

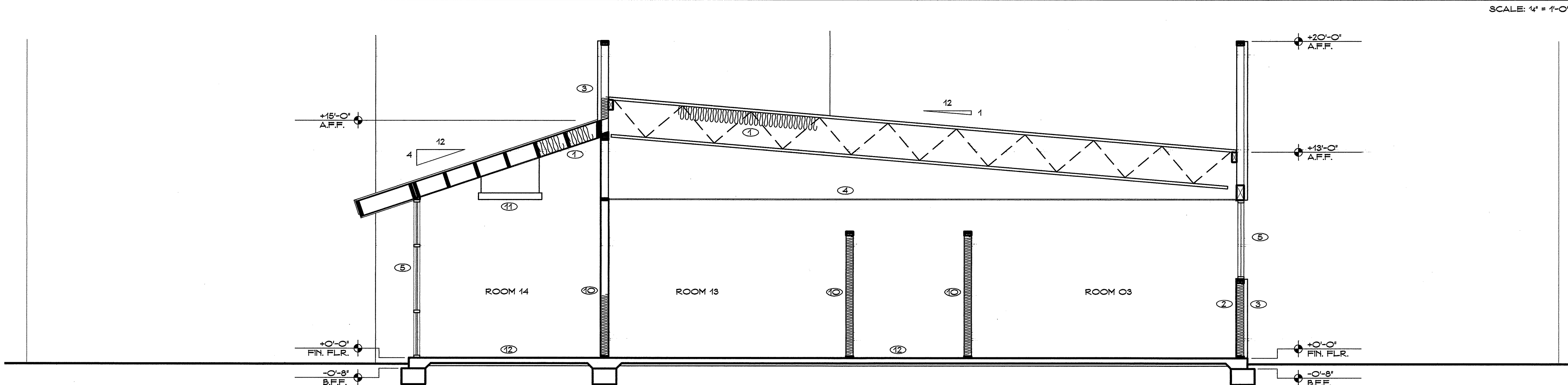
- ① R-38 FSK BATT INSULATION - TYPICAL AT ALL ATTIC AREAS
- ② R-21 FSK BATT INSULATION - TYPICAL AT ALL EXTERIOR FRAMED WALLS
- ③ 1½" NAILABLE INSULATION - TYPICAL AT ALL EXTERIOR FRAMED WALLS
- ④ SUSPENDED CEILING AS SCHEDULED
- ⑤ ALUMINUM STOREFRONT
- ⑥ GROUND FACE CMU WITH TOOLED JOINTS AND P-50 FINISH
- ⑦ GROUND FACE CMU WITH TOOLED JOINTS AND P-4 FINISH
- ⑧ COMMON FACE CMU WITH FLUSH JOINTS AND EPOXY WALL COATING
- ⑨ COMMON FACE CMU WITH TOOLED JOINTS AND P-2 FINISH
- ⑩ R-13 UNFACED BATT INSULATION - TYPICAL AT ALL INTERIOR FRAMED WALLS
- ⑪ LIGHT FIXTURE PER ELECTRICAL DRAWINGS
- ⑫ CONCRETE SLAB PER STRUCTURAL OVER 2" SAND AND 15 MIL VAPOR BARRIER



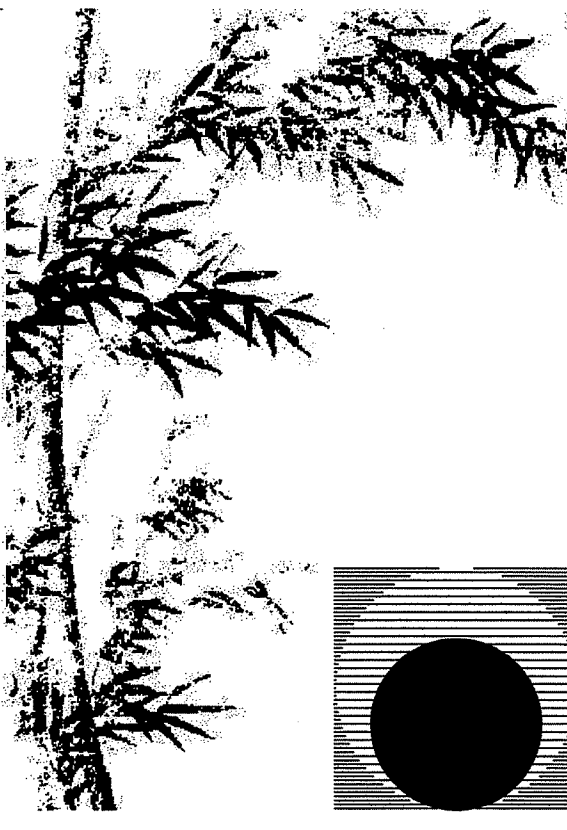
A CROSS SECTION



B CROSS SECTION



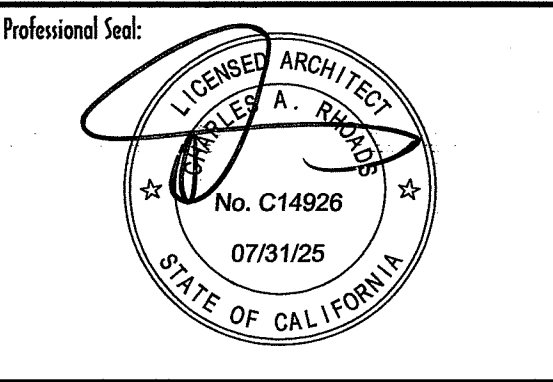
C CROSS SECTION



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Consultant:

Drawing Status:

Contract Document

Revision Summary:

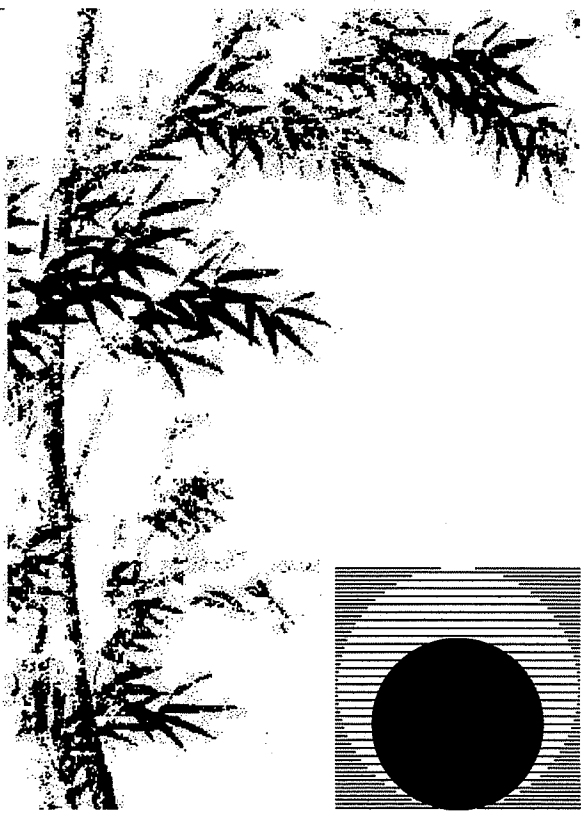

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:

Sections

Date:	11/16/23
Project:	22-102
Scale:	1/4" = 1'
Sheet No.:	A2.2

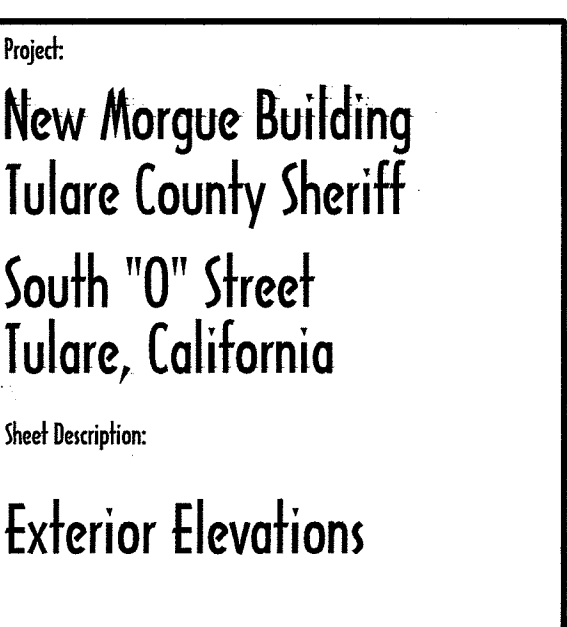
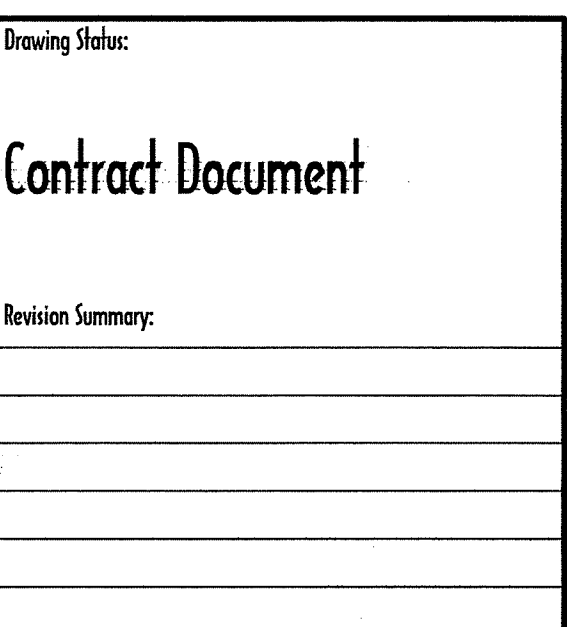
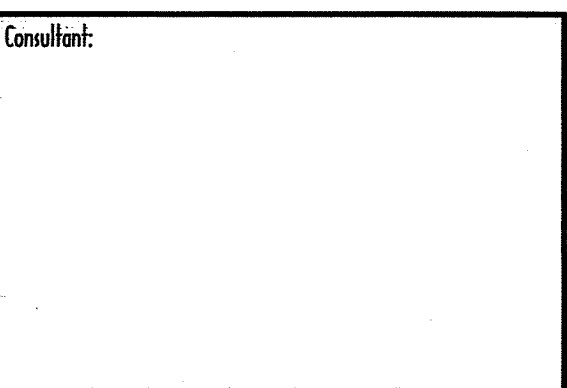
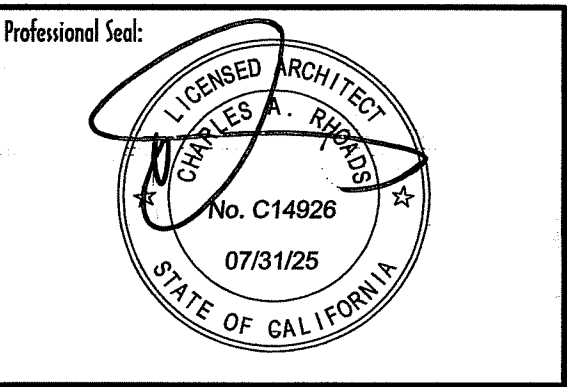
Of 26 Sheets



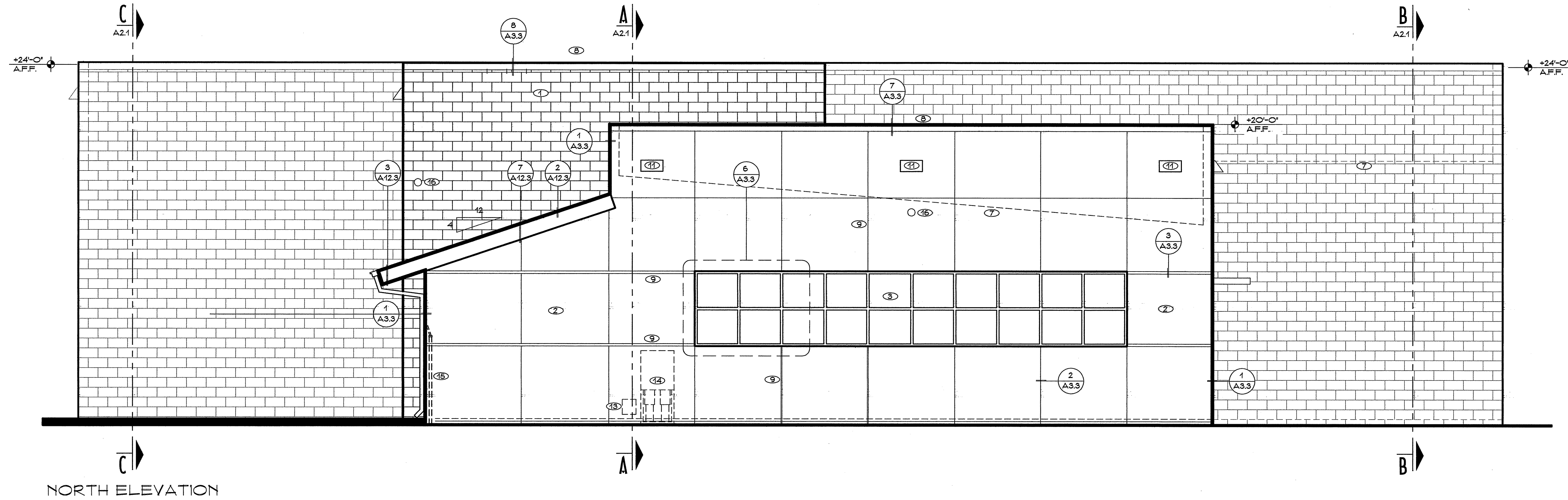
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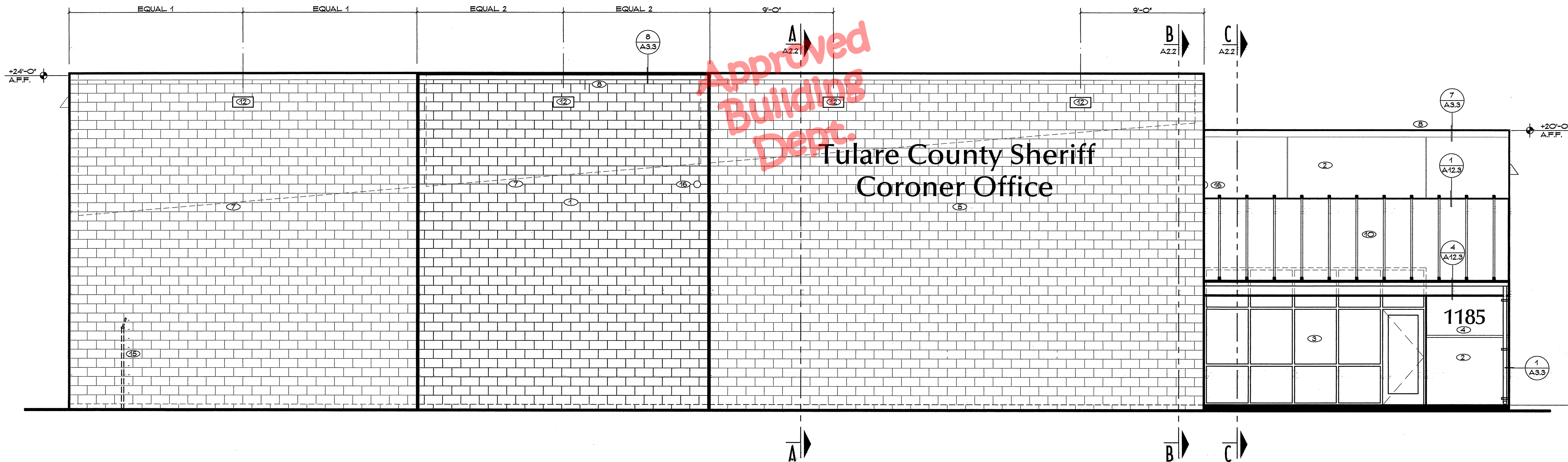


Date:	11/16/23
Project:	22-102
Scale:	1/4" = 1'
Sheet No.:	<b>A3.1</b>
Of 26 Sheets	



NORTH ELEVATION

SCALE: 1/4" = 1'-0"

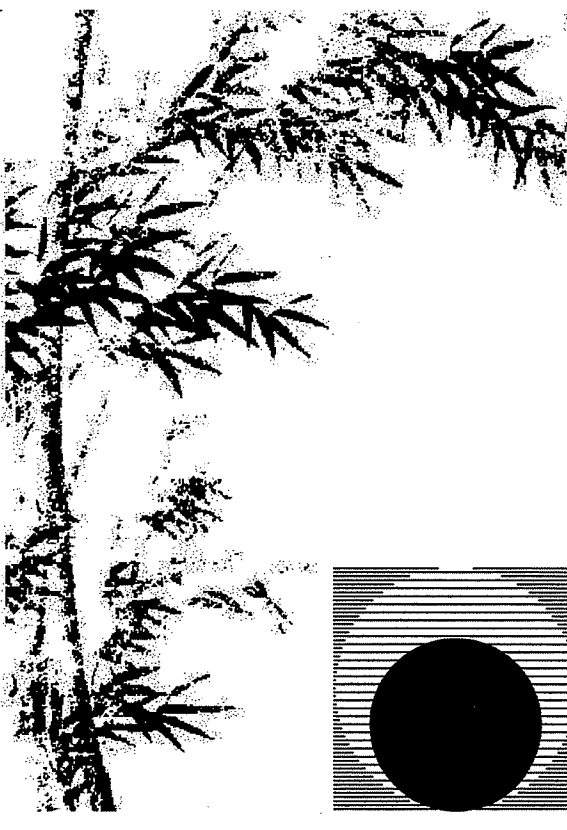


EAST ELEVATION

SCALE: 1/4" = 1'-0"

KEY NOTES (THIS SHEET ONLY)

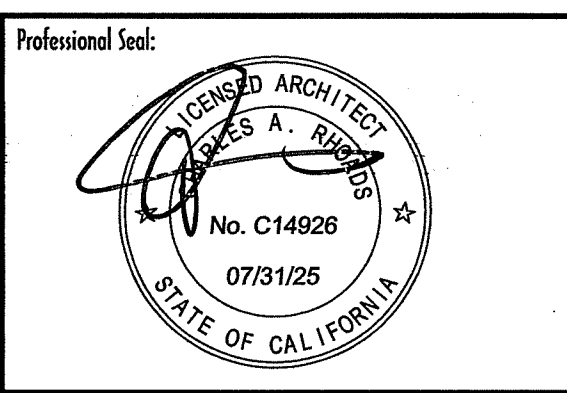
- |   |  |   |  |                                 |
|---|--|---|--|---------------------------------|
| ① GROUND FACE CMU WITH TOOLED JOINTS AND P-50 FINISH - TYPICAL FOR EXTERIOR CMU   | ④ 12" TALL INDIVIDUAL ALUMINUM NUMERALS PER SPECIFICATION 10426 - SET TOP OF NUMERALS AT +7'-0" - CENTER ON WALL WIDTH   | ⑦ LINE OF ROOF BEYOND                           | ⑩ LIGHT FIXTURE PER ELECTRICAL - CENTER WIDTH IN PLASTER PANEL - SET HEIGHT AT +17'-2" A.F.F. TO CENTER OF FIXTURE | ⑭ BOOSTER PUMP PER PLUMBING     |
| ② CEMENT PLASTER WITH INTEGRAL ACRYLIC FINISH - TYPICAL FOR EXTERIOR FRAMED WALLS | ⑤ 16" TALL INDIVIDUAL ALUMINUM LETTERS PER SPECIFICATIONS 10426 - SET BOTTOM OF LOWER LETTERS AT +15'-0" - SET BOTTOM OF UPPER LETTERS AT +17'-6" - CENTER ON WALL WIDTH | ⑧ PARAPET CAP AS DETAILED - PAINT P-53          | ⑪ LIGHT FIXTURE PER ELECTRICAL - CENTER WIDTH AS INDICATED - SET HEIGHT AT +22'-0" A.F.F. TO CENTER OF FIXTURE     | ⑮ (N) FENCE TO MATCH (E)        |
| ③ ALUMINUM STOREFRONT SYSTEM  | ⑥ (NOT USED)   | ⑨ ALUMINUM PLASTER REVEAL AS DETAILED - TYPICAL | ⑫ METAL ROOF PER SPECIFICATIONS 07410  | ⑯ SECURITY CAMERA PER SHEET EQ2 |
|   |  | ⑬ GAS METER PER PLUMBING                        |  |                                 |



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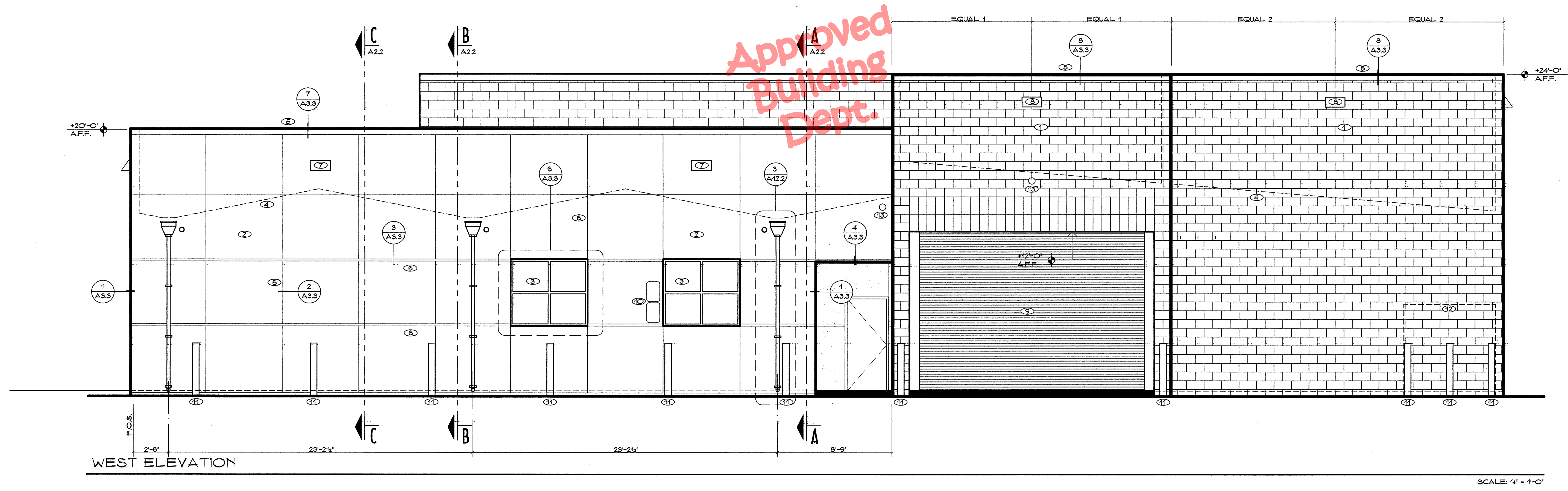
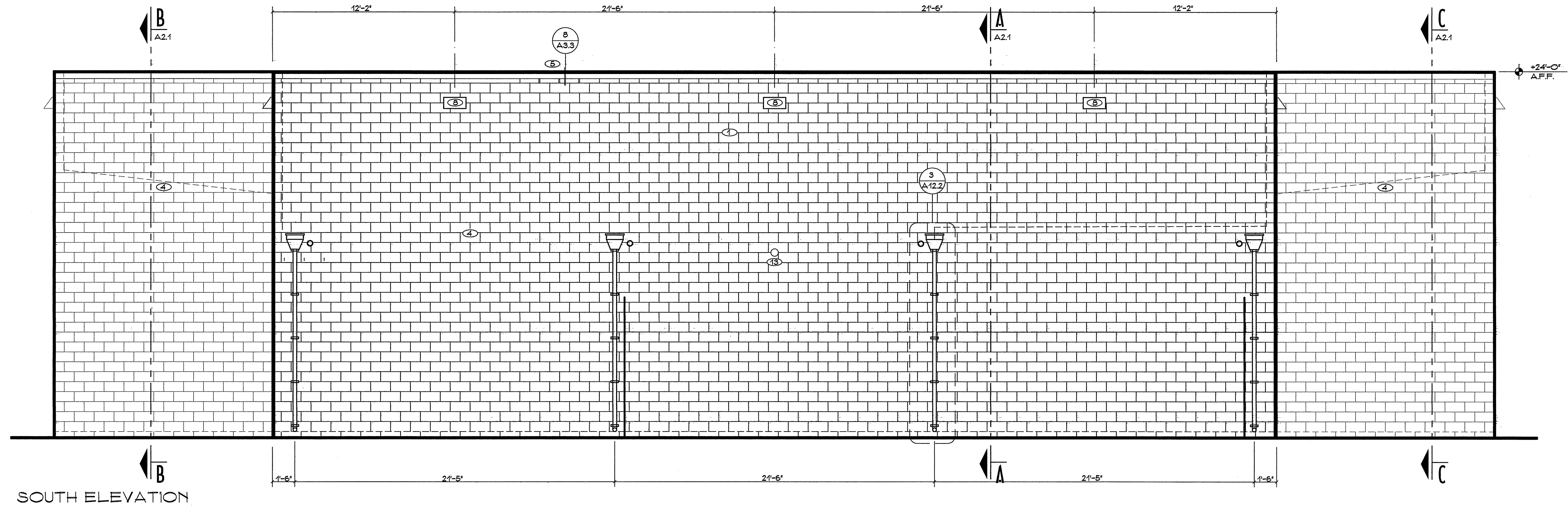
Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

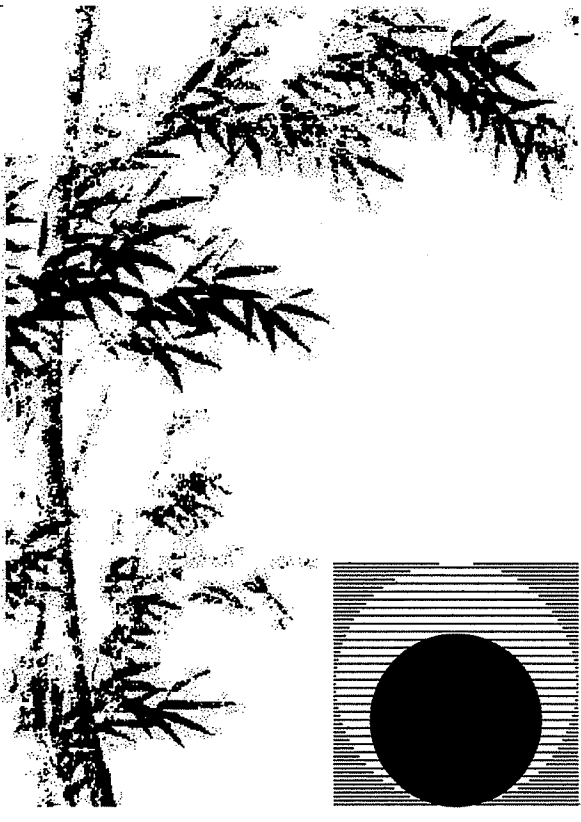
Sheet Description:  
**Exterior Elevations**

Date: 11/16/23  
 Project: 22-102  
 Scale: 1/4" = 1'  
 Sheet No.: **A3.2**  
 Of 26 Sheets



**KEY NOTES (THIS SHEET ONLY)**

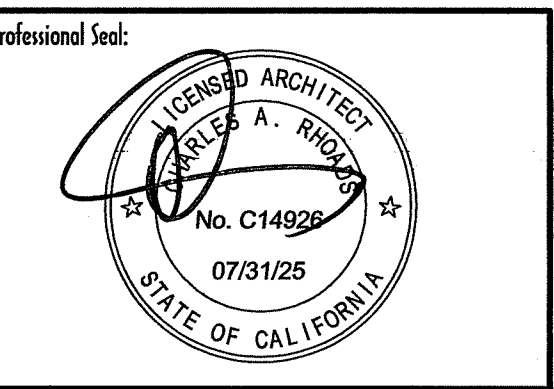
- ① GROUND FACE CMU WITH TOOLED JOINTS AND P-50 FINISH - TYPICAL FOR EXTERIOR CMU
- ② CEMENT PLASTER WITH INTEGRAL ACRYLIC FINISH - TYPICAL FOR EXTERIOR FRAMED WALLS
- ③ ALUMINUM STOREFRONT SYSTEM
- ④ LINE OF ROOF BEYOND
- ⑤ PARAPET CAP AS DETAILED - PAINT P-53
- ⑥ ALUMINUM PLASTER REVEAL AS DETAILED - TYPICAL
- ⑦ LIGHT FIXTURE PER ELECTRICAL - CENTER WIDTH IN PLASTER PANEL - SET HEIGHT AT +17'-2" A.F.F. TO CENTER OF FIXTURE
- ⑧ LIGHT FIXTURE PER ELECTRICAL - CENTER WIDTH AS INDICATED - SET HEIGHT AT +22'-0" A.F.F. TO CENTER OF FIXTURE
- ⑨ OVERHEAD COILING ALUMINUM DOOR
- ⑩ ACCESSIBLE PARKING SIGNS ON WALL
- ⑪ VEHICULAR BOLLARD PER (2) SD4.3 TYP.
- ⑫ MAIN PANEL PER ELECTRICAL
- ⑬ SECURITY CAMERA PER SHEET EQ2



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Consultant:

Drawing Status:

Contract Documents

Revision Summary:

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:

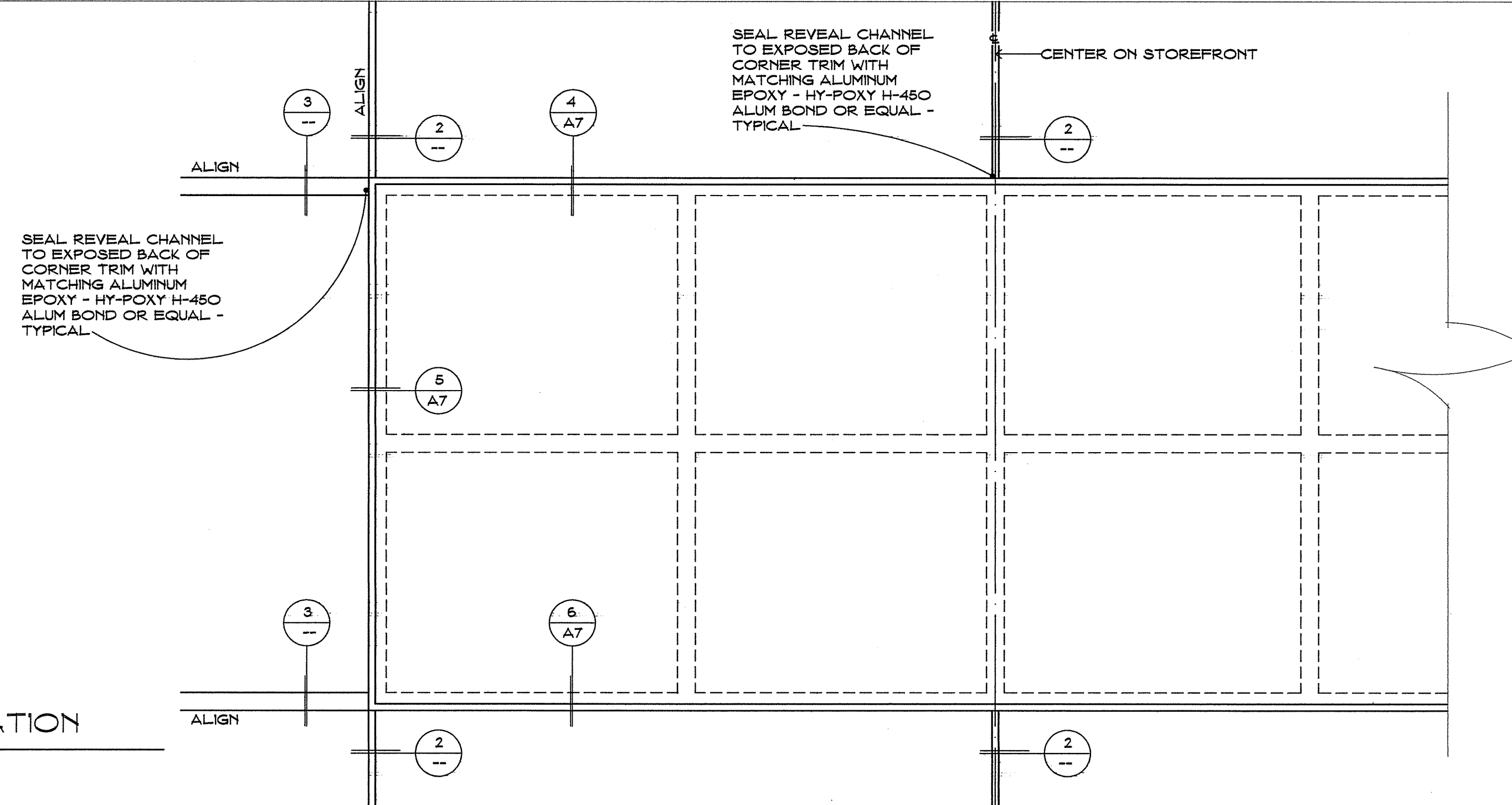
Details

Date: 11/16/23  
Project: 22-102  
Scale: Indicated

Sheet No.:

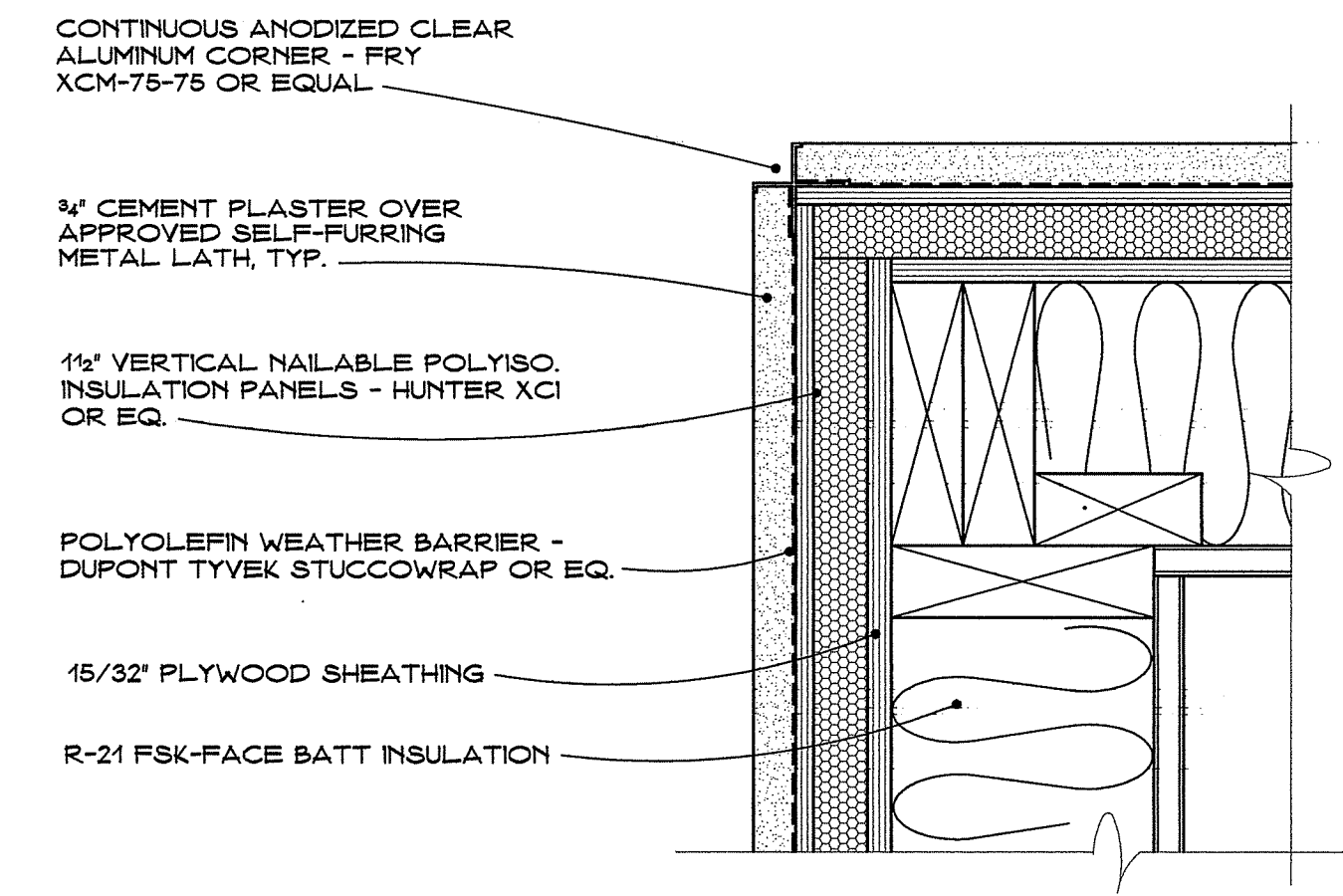
**A3.3**

Of 26 Sheets



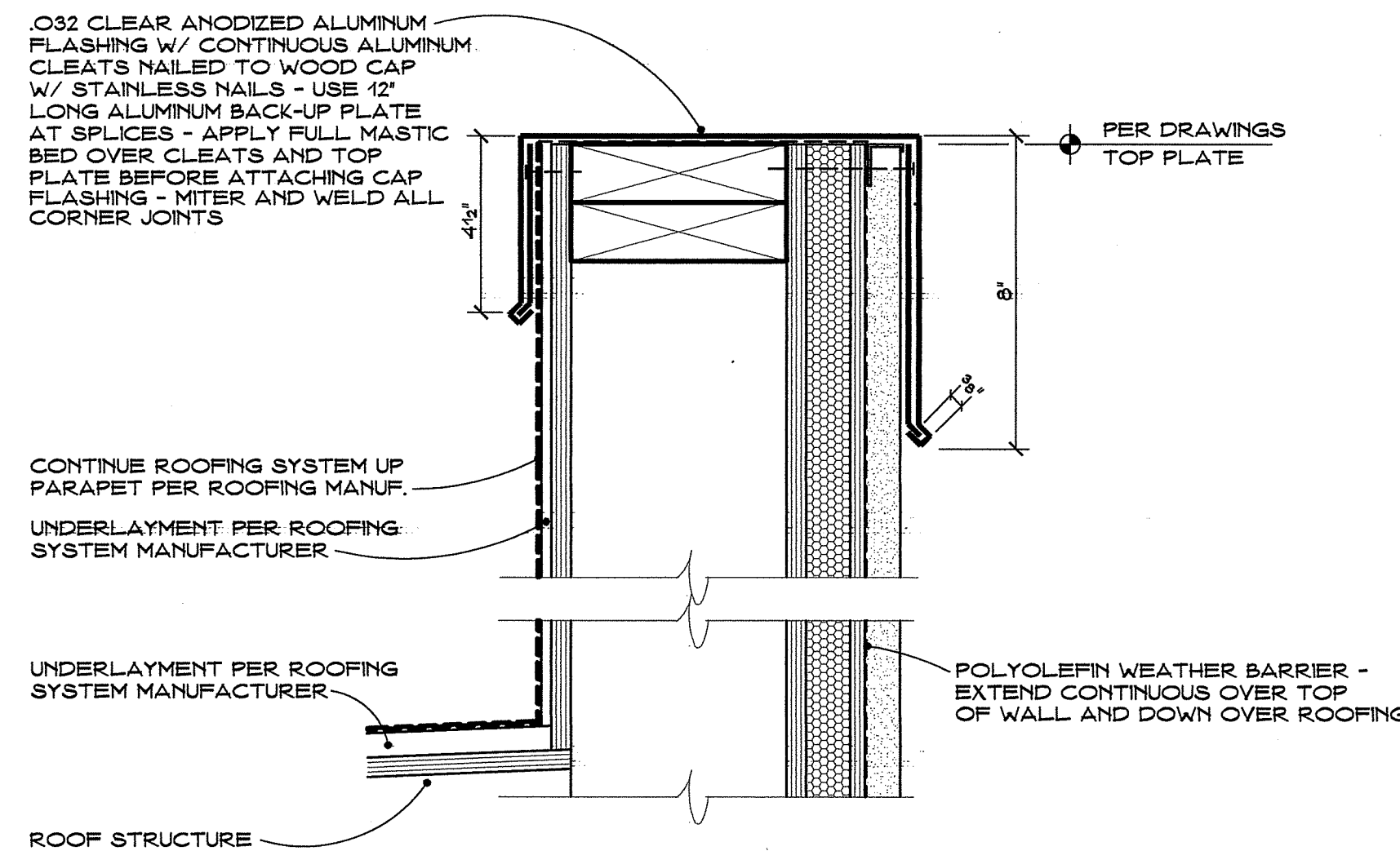
**6 EXTERIOR MOULDING ELEVATION**

NO SCALE



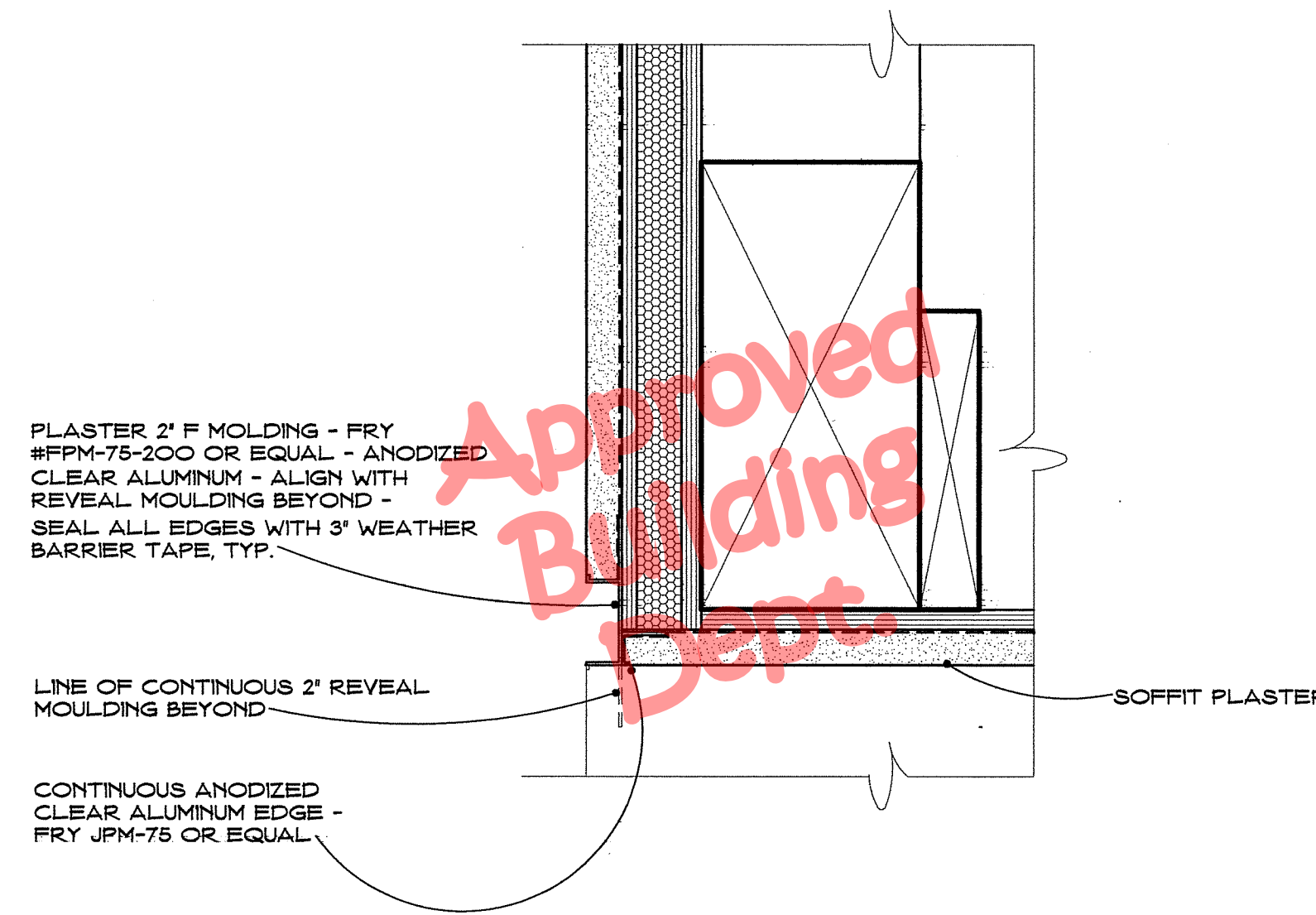
**1 TYPICAL PLASTER OUTSIDE CORNER MOULDING**

NO SCALE



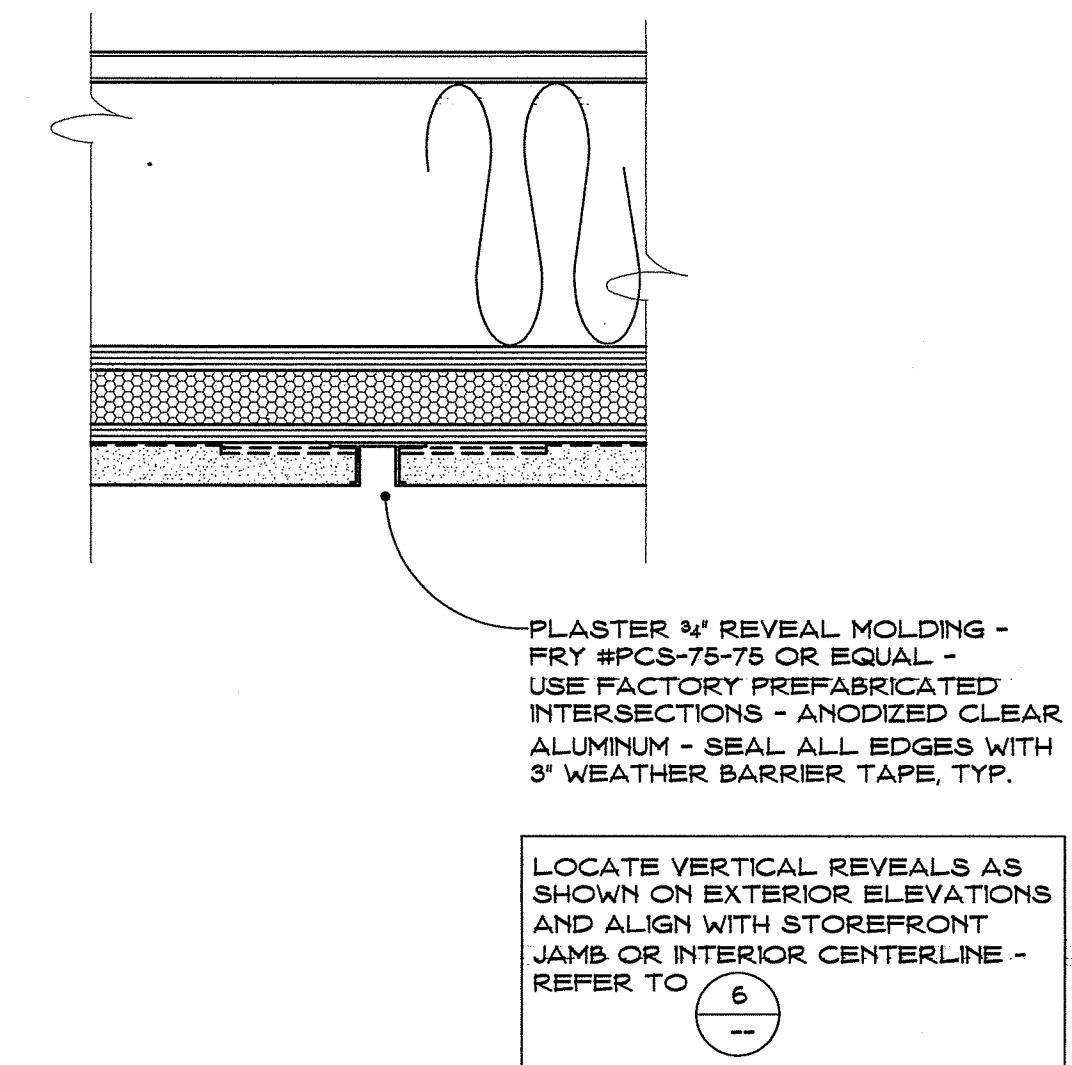
**7 PARAPET CAP AT FRAMED WALL**

NO SCALE FOR ALL FINISH COMPONENTS REFER TO (1)



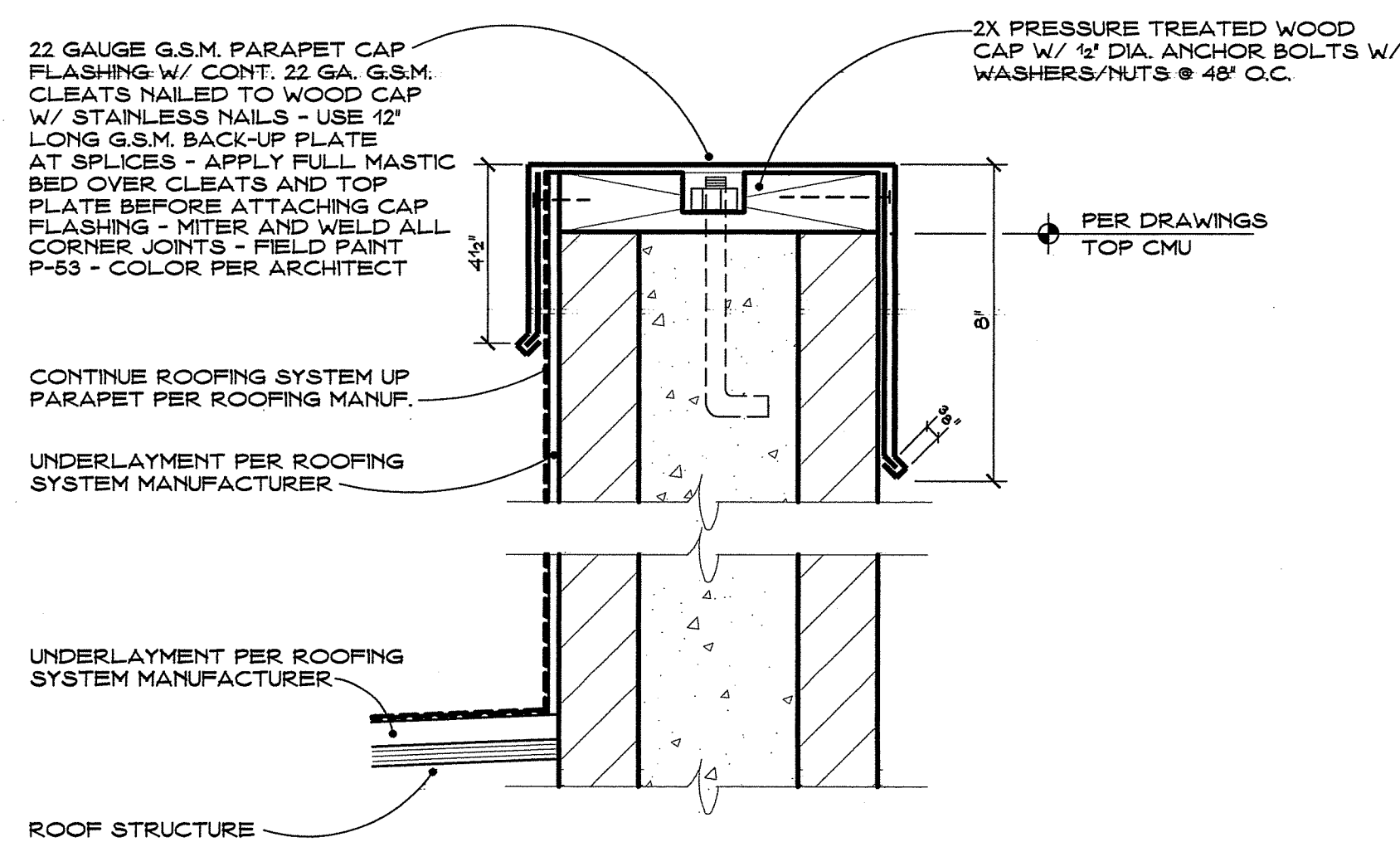
**4 HORIZONTAL CORNER AT SOFFIT**

NO SCALE FOR ALL FINISH COMPONENTS REFER TO (1)



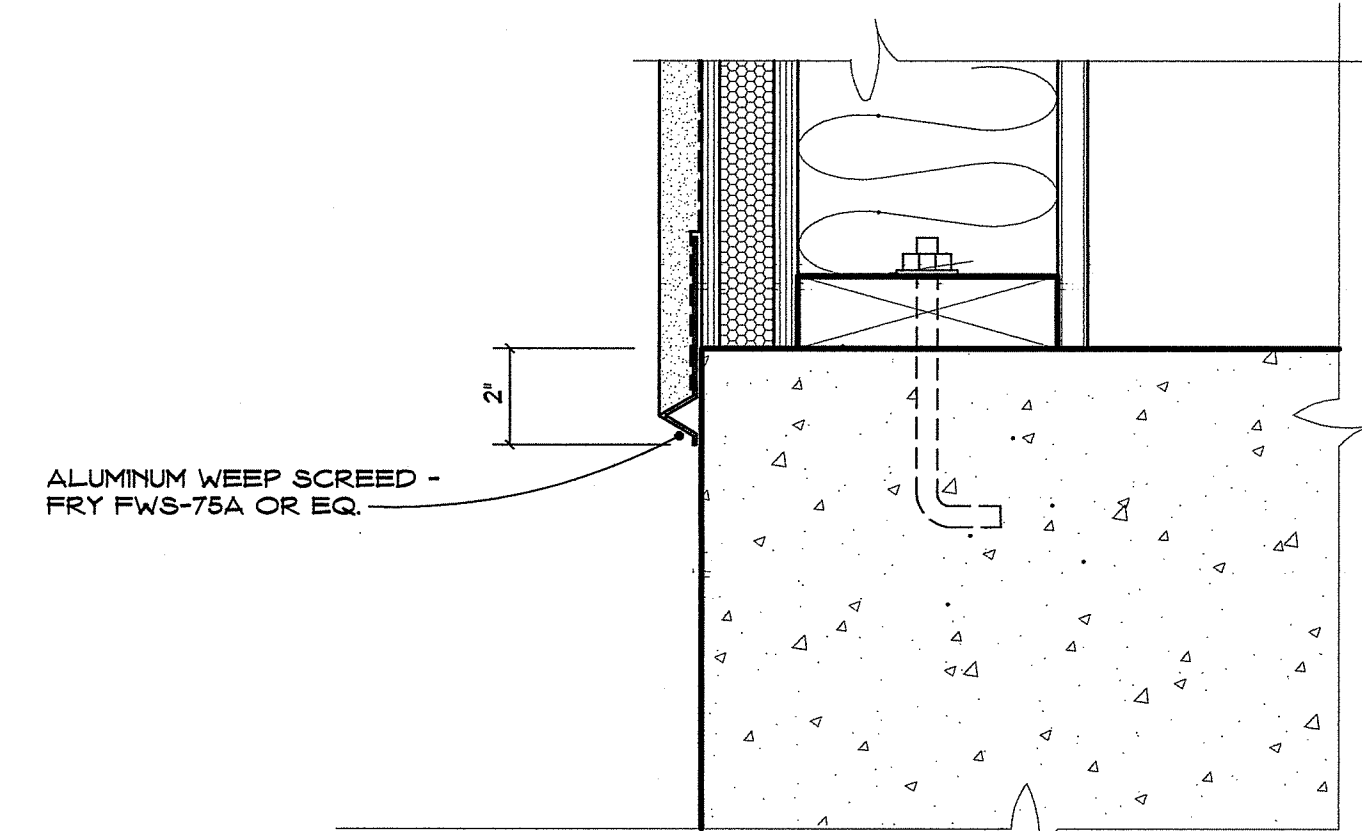
**2 TYPICAL PLASTER VERTICAL REVEAL MOULDING**

NO SCALE FOR ALL FINISH COMPONENTS REFER TO (1)



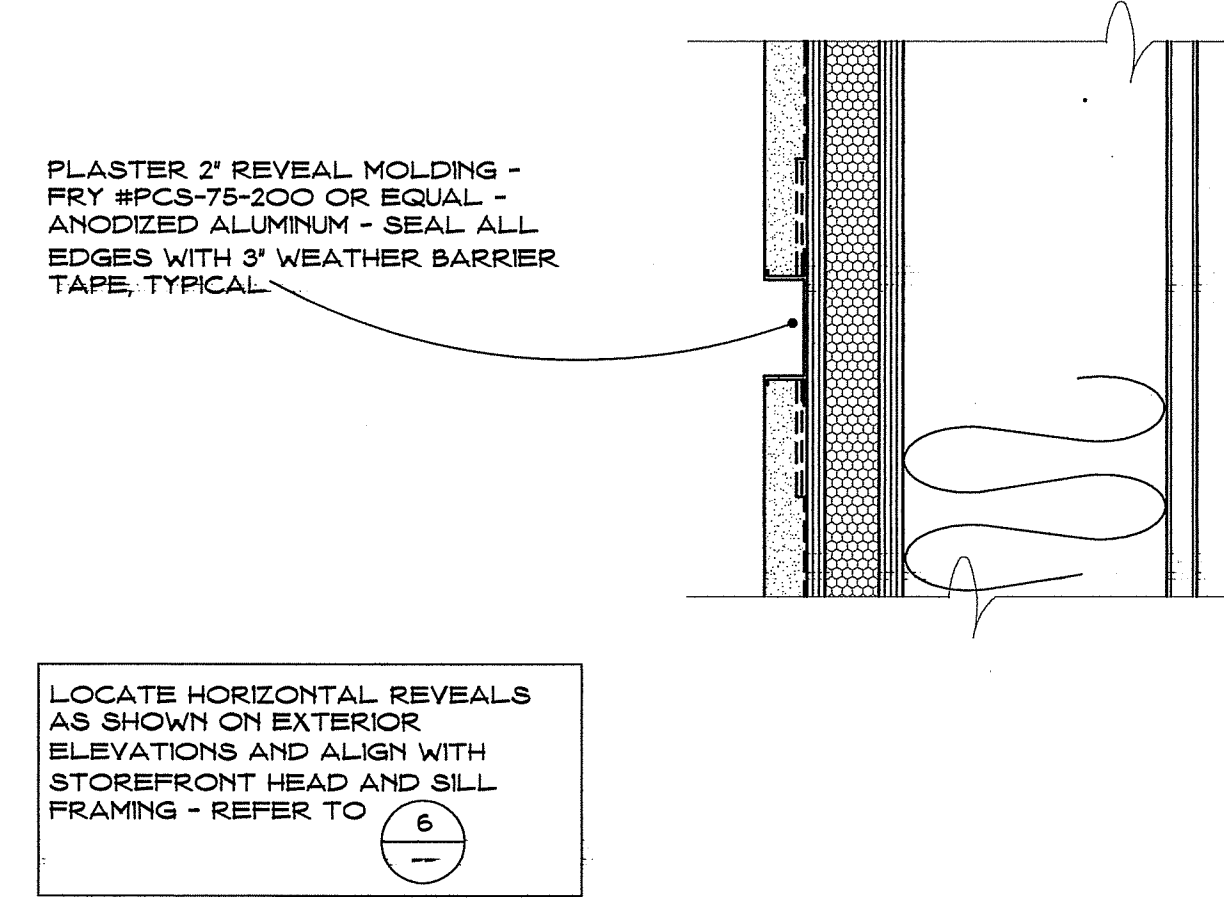
**8 PARAPET CAP AT MASONRY WALL**

NO SCALE



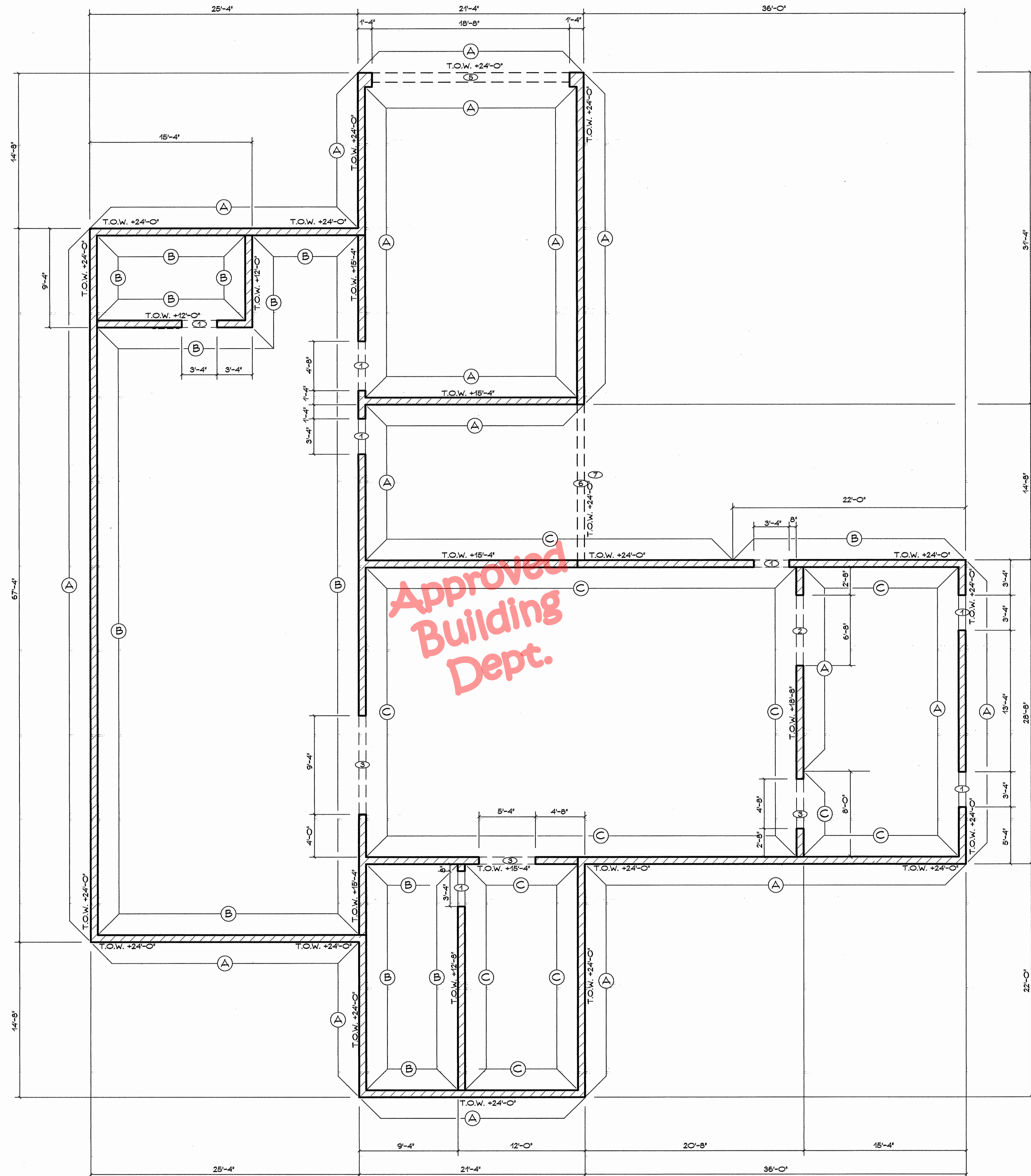
**5 TYPICAL WEEP SCREED AT PLASTER**

NO SCALE FOR ALL FINISH COMPONENTS REFER TO (1)



**3 TYPICAL PLASTER HORIZONTAL REVEAL MOULDING**

NO SCALE FOR ALL FINISH COMPONENTS REFER TO (1)



MASONRY WALL PLAN

NO SCALE

CMU WALL TYPES

ALL CMU UNITS SHALL BE BASALITE #D-389 OR EQUAL  
 EXPOSED FACES OF CMU UNITS SHALL BE PER THE LEGEND BELOW  
 ALL MORTAR SHALL BE #B720

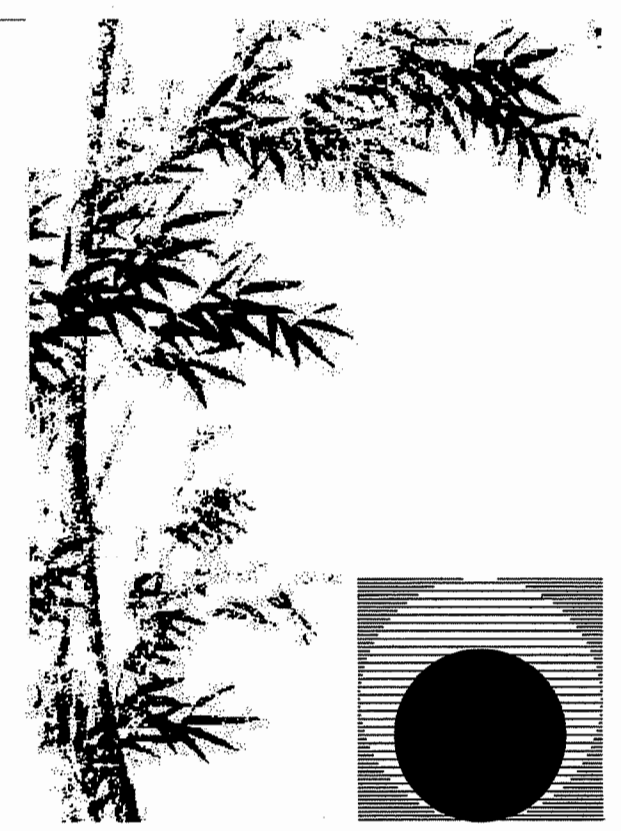
KEY	CMU FACE	JOINT TYPE
(A)	GROUND	TOOLED
(B)	COMMON	TOOLED
(C)	COMMON	FLUSH

CMU KEY NOTES

- ① DOOR OPENING HEAD @ +7'-4" A.F.F.
- ② WINDOW OPENING SILL @ +3'-4" A.F.F. HEAD @ +7'-4" A.F.F.
- ③ WALL OPENING HEAD @ +7'-4" A.F.F.
- ④ (NOT USED)
- ⑤ COLLING DOOR OPENING HEAD @ +12'-0" A.F.F.
- ⑥ WALL OPENING HEAD @ +12'-0" A.F.F.
- ⑦ THIS WALL TYPE (A) WHERE EXPOSED TYPE (C) ELSEWHERE

LEGEND

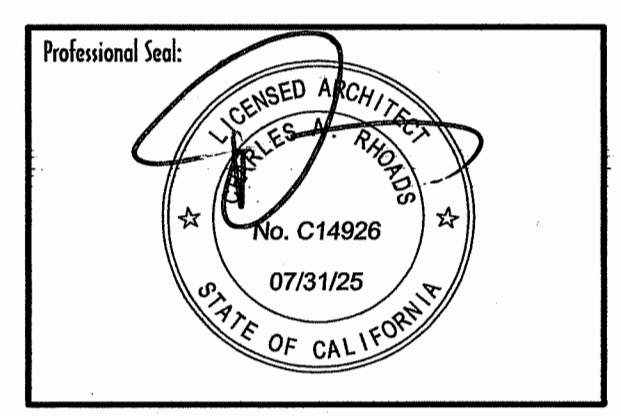
T.O.W. +XX' TOP OF WALL HEIGHT A.F.F.



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Consultant:

Drawing Status:  
**Contract Document**

Revision Summary:

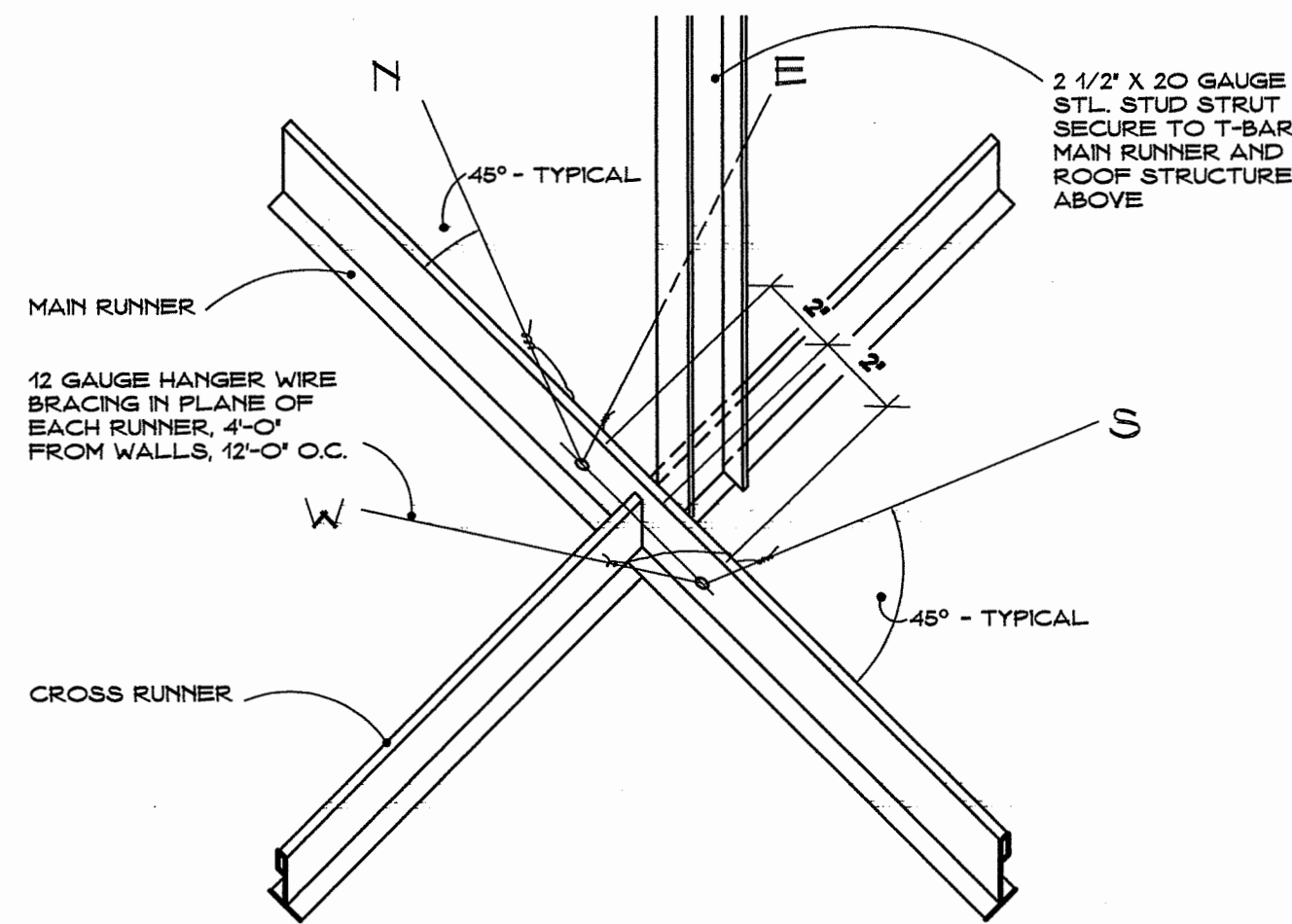
Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California  
 Sheet Description:  
**Masonry Wall Plan**

Date: 11/16/23  
 Project: 22-102  
 Scale: None  
 Sheet No.:

**A4**

Of 26 Sheets

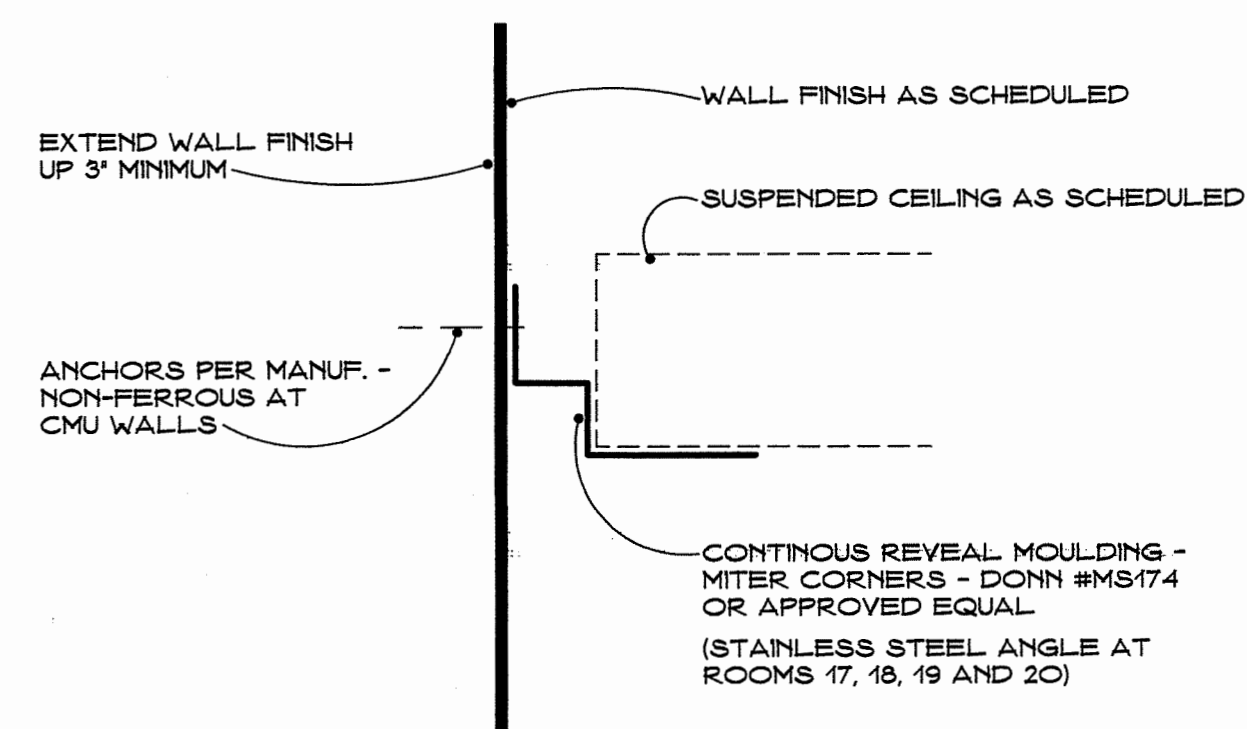
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- 1 SUSPENDED CEILINGS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ASTM C 635, ASTM C 636, AND CISCA
- 2 A HEAVY-DUTY GRID SYSTEM SHALL BE USED
- 3 PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE AS DETAILED BELOW
- 4 ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE IN EACH ORTHOGONAL HORIZONTAL DIRECTION. THE OTHER END SHALL HAVE A 3/4\"/>
- 5 SPRINKLER HEADS OR OTHER SIMILAR PENETRATIONS NOT BEHAVING INTEGRALLY WITH THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A 2\"/>
- 6 POSITIVE BRACING SHALL BE PROVIDED AT CHANGES IN CEILING PLANE ELEVATION.
- 7 CABLE TRAYS AND ELECTRICAL CONDUITS SHALL BE SUPPORTED INDEPENDENTLY OF THE CEILING.
- 8 A STRUT SHALL BE ATTACHED TO THE SUSPENSION SYSTEM AND TO THE STRUCTURE ABOVE AT EACH BRACING.
- 9 ATTACHMENT OF THE BRACING WIRES TO THE MAIN BEAM AND THE STRUCTURE SHALL SUPPORT THE GREATER OF 200# OR THE ACTUAL DESIGN LOAD WITH A SAFETY FACTOR OF TWO.
- 10 IF PARTITIONS ARE ATTACHED TO THE SUSPENSION SYSTEM, THEY SHALL BE LATERALLY BRACED TO THE BUILDING STRUCTURE.
- 11 PENDANT MOUNTED LIGHT FIXTURES MUST BE SUPPORTED FROM THE STRUCTURE AND SHALL NOT USE THE CEILING SUSPENSION SYSTEM FOR SUPPORT.
- 12 LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENSION SYSTEM AND MUST BE ABLE TO WITHSTAND 100% OF THE FIXTURE WEIGHT.
- 13 IF LIGHT FIXTURES WEIGH 56# OR LESS, THEY SHALL HAVE TWO 12-GAUGE WIRES ATTACHED AT DIAGONAL CORNERS. IF LIGHT FIXTURE WEIGHS MORE THAN 56#, IT SHALL BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURE.

### 1 TYPICAL SUSPENDED CEILING INSTALLATION

NO SCALE



### 2 TYPICAL WALL Moulding @ SUSPENDED CEILING

NO SCALE

## FINISH SCHEDULE

NO.	NAME	FLOOR		BASE		WSCT.		WALLS								CEILING			REMARKS
		MAT.	FIN.	MAT.	HT.	MAT.	HT.	NORTH		EAST		SOUTH		WEST		MAT.	FIN.	HT.	
01	OFFICE 1	CONC	RF-1	RTB	4'	---	---	GB-1	P-1	GB-1	P-1	GB-1	P-1	GB-1	P-1	AC-D	---	10'-0"	(1)
02	OFFICE 2	CONC	RF-1	RTB	4'	---	---	GB-1	P-1	GB-1	P-1	GB-1	P-1	GB-1	P-1	AC-D	---	10'-0"	(1)
03	OPEN OFFICE 1	CONC	RF-1	RTB	4'	---	---	GB-1	P-1	---	---	GB-1	P-1	GB-1	P-1	AC-D	---	10'-0"	(1) (2)
04	(NOT USED)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
05	CORRIDOR	CONC	RF-1	RTB	4'	---	---	---	---	GB-1	P-1	CMU-1	P-4	GB-1	P-1	AC-C	---	8'-0"	(3) (4) (17)
06	UNISEX 1	CONC	RF-2	INTG	6'	---	---	GB-2	P-2	PPF-1	P-2	CMU-1	P-4	GB-2	P-2	AC-B	---	9'-4"	(5) (6) (17)
07	UNISEX SHOWER	CONC	RF-2	INTG	6'	---	---	GB-2	P-2	PPF-1	P-2	CMU-1	P-4	GB-2	P-2	AC-B	---	9'-0"	(5) (6)
08	UNISEX 2	CONC	RF-2	INTG	6'	---	---	GB-2	P-2	PPF-1	P-2	CMU-1	P-4	GB-2	P-2	AC-B	---	9'-0"	(5) (6)
09	PREP ROOM	CONC	RF-2	INTG	6'	---	---	GB-2	P-2	PPF-1	P-2	CMU-1	P-4	GB-2	P-2	AC-B	---	9'-0"	(5) (6)
10	LOCKER ROOM	CONC	RF-2	INTG	6'	---	---	GB-2	P-2	PPF-1	P-2	CMU-2	P-2	GB-2	P-2	AC-B	---	9'-4"	(3) (17)
11	IT. CLOSET	CONC	P-5	RTB	4'	---	---	GB-1	P-2	CMU-2	P-2	GB-1	P-2	GB-1	P-2	AC-D	---	10'-0"	(7) (17)
12	STORAGE	CONC	P-5	RTB	4'	---	---	GB-1	P-2	CMU-2	P-2	GB-1	P-2	GB-1	P-2	AC-D	---	10'-0"	(7) (17)
13	OPEN OFFICE 2	CONC	RF-1	RTB	4'	---	---	GB-1	P-1	GB-1	P-1	CMU-1	P-1	---	---	AC-D	---	10'-0"	(1) (2) (3) (17)
14	LOBBY	CONC	RF-1	RTB	4'	---	---	GB-1	P-1	GB-1	P-1	CMU-1	P-4	GB-1	P-1	GB-1	P-7	VAR.	(1) (5) (17)
15	MEETING ROOM	CONC	RF-1	RTB	4'	---	---	CMU-1	P-4	---	---	CMU-1	P-4	GB-1	P-1	AC-D	---	9'-4"	(3) (17)
16	UNISEX 3	CONC	RF-2	INTG	6'	---	---	CMU-1	P-4	GB-2	P-2	PPF-1	P-2	GB-2	P-2	AC-B	---	9'-4"	(5) (6) (17)
17	AUTOPSY	CONC	RFC	INTG	6'	---	---	CMU-3	EWC	CMU-3	EWC	CMU-3	EWC	CMU-3	EWC	AC-B	---	10'-8"	(9) (10) (11) (12) (13)
18	X-RAY STORAGE	CONC	RFC	INTG	6'	---	---	CMU-3	EWC	CMU-3	EWC	CMU-3	EWC	CMU-3	EWC	AC-B	---	9'-4"	(10) (11) (12) (13)
19	HISTOLOGY	CONC	RFC	INTG	6'	---	---	CMU-3	EWC	CMU-3	EWC	CMU-3	EWC	CMU-3	EWC	AC-B	---	9'-4"	(11) (12) (13)
20	EVIDENCE STORAGE	CONC	RFC	INTG	6'	---	---	CMU-2	P-2	CMU-2	P-2	CMU-2	P-2	CMU-2	P-2	AC-B	---	9'-4"	(11) (12)
21	WALK-IN REFRIGERATOR	CONC	P-8	---	---	---	---	CMU-2	---	---	---	---	---	---	---	---	---	---	(16)
22	INTAKE	CONC	P-8	---	---	---	---	CMU-2	P-2	---	---	CMU-2	P-2	CMU-2	P-2	GB-1	P-2	12'-0"	(12) (13) (14)
23	PANEL ROOM	CONC	P-8	RTB	4'	---	---	GB-1	P-1	CMU-2	P-1	CMU-2	P-1	CMU-2	P-1	GB-1	P-1	12'-0"	(14) (17) (18)
24	MECHANICAL	CONC	P-8	RTB	4'	PPF-2	7'-2"	CMU-2	P-2	CMU-2	P-2	GB-1	P-2	CMU-2	P-2	GB-1	P-2	12'-0"	(7) (14) (15) (17)
25	SALLY PORT	CONC	P-8	---	---	---	---	CMU-1	P-50	CMU-1	P-50	CMU-1	P-50	CMU-1	P-50	PLAS	---	14'-0"	(14)

NOTE:  
ALL INTERIOR FINISHES SHALL BE CLASS I OR CLASS II WITH A MAXIMUM FLAME-SPREAD INDEX OF 75  
FINISH MATERIALS (ADHESIVES, SEALANTS, CAULKS, PAINTS, CARPET, RESILIENT FLOORING, COMPOSITE WOOD PRODUCTS) SHALL COMPLY WITH CALGREEN 5.504.4

EXAMPLE: 

GB-1	CMU	PORTION OF ROOM HAS GYPSUM BOARD FINISH PORTION OF ROOM HAS CONCRETE MASONRY FINISH
---	---	

MATERIAL ABBREVIATIONS:  
 AC-x ACOUSTIC CEILING - REFER TO REFLECTED CEILING PLAN SEE SPEC SECTION 09500 INSTALL PER (1) (2)  
 CMU-1 CONCRETE MASONRY UNIT - GROUND FACE - TOOLED JOINTS FOR CLEAR PAINT FINISH SEE SPEC SECTION 04231  
 CMU-2 CONCRETE MASONRY UNIT - COMMON FACE - TOOLED JOINTS FOR OPAQUE PAINT FINISH SEE SPEC SECTION 04231  
 CMU-3 CONCRETE MASONRY UNIT - COMMON FACE - FLUSH JOINTS FOR EPOXY COATING FINISH SEE SPEC SECTION 04231  
 CONC CONCRETE SLAB  
 CB 5/8" CEMENT BOARD SEE SPEC SECTION 09250  
 EWC EPOXY WALL COATING SYSTEM SEE SPEC SECTION 09851  
 GB-1 5/8" TYPE 'X' GYPSUM BOARD SEE SPEC SECTION 09250  
 GB-2 5/8" TYPE 'X' MOISTURE RESISTANT GYPSUM BOARD SEE SPEC SECTION 09250  
 INTG COVED BASE INTEGRAL WITH FLOORING  
 P-x PAINT FINISH SEE SPEC SECTION 09900  
 PPF-x PRE-FINISHED PANELS SEE SPEC SECTION 09986  
 PLAS CEMENT PLASTER SEE SPEC SECTION 09200  
 PLY 3/4" FIRE-TREATED 'A' FACE PLYWOOD - CAULK JOINTS INSTALL WITH JOINTS PER INTERIOR ELEVATION  
 RF-x RESILIENT FLOORING SEE SPEC SECTION 09660  
 RFC RESINOUS FLOOR COATING SYSTEM SEE SPEC SECTION 09670  
 RTB RUBBER TOPSET BASE SEE SPEC SECTION 09660

KEY TO REMARKS:  
 (1) CEMENT BOARD AT WINDOW OPENINGS AS DETAILED  
 (2) SMOOTH FINISH ON LOW DIVIDING WALLS WITH METALLIC ACCENT PAINT  
 (3) TEXTURE FACE OF SOFFIT AND PAINT TO MATCH WALLS SMOOTH FINISH ON BOTTOM OF SOFFIT AND PAINT TO MATCH CEILING  
 (4) FINISH ALCOVE WALLS AT DOOR 10 TO MATCH SIMILAR WALLS OF CORRIDOR - SMOOTH FINISH AT ALCOVE CEILING - PAINT TO MATCH CORRIDOR CEILING  
 (5) PPF WALL PANELS INSTALLED PER (3) A5.2  
 (6) SMOOTH FINISH ON CEILING  
 (7) GB-2 EXTENDS UP ROOF ACCESS SHAFT - PAINT  
 (8) HEAVY TEXTURE ON CEILING TO MATCH EXTERIOR PLASTER SOFFIT  
 (9) SEAL BASE TO DOOR FRAMES PER (2) A5.2  
 (10) RETENTION CLIPS AT ALL CEILING PANELS  
 (11) FLOOR JOINTS WHERE SHOWN ON PLAN - SEAL PER (5) A5.2  
 (12) SEAL FLOOR/WALL AT OPENINGS PER (2) A5.2  
 (13) INTEGRAL COVE BASE PER (4) A5.2  
 (14) ATTACH CEILING DIRECTLY TO BOTTOM OF TRUSSES @ 24' O.C. - BLOCKING AS REQUIRED  
 (15) FRP WANSCOTE @ MOP SINK PER INTERIOR ELEVATIONS  
 (16) WALK-IN BOX PER SHEET EQ1 WILL INCLUDE STAINLESS STEEL CLOSURE ASSEMBLY AND TRIM AT PORTION OF NORTH WALL AND ALL OF WEST WALL - REFER TO INTERIOR ELEVATIONS  
 (17) PROVIDE ANODIZED ALUMINUM EDGE TRIM AT GYPSUM BOARD WHERE IT TERMINATES AGAINST CMU PER (6) A5.2  
 (18) TOPSET BASE AT NORTH WALL ONLY

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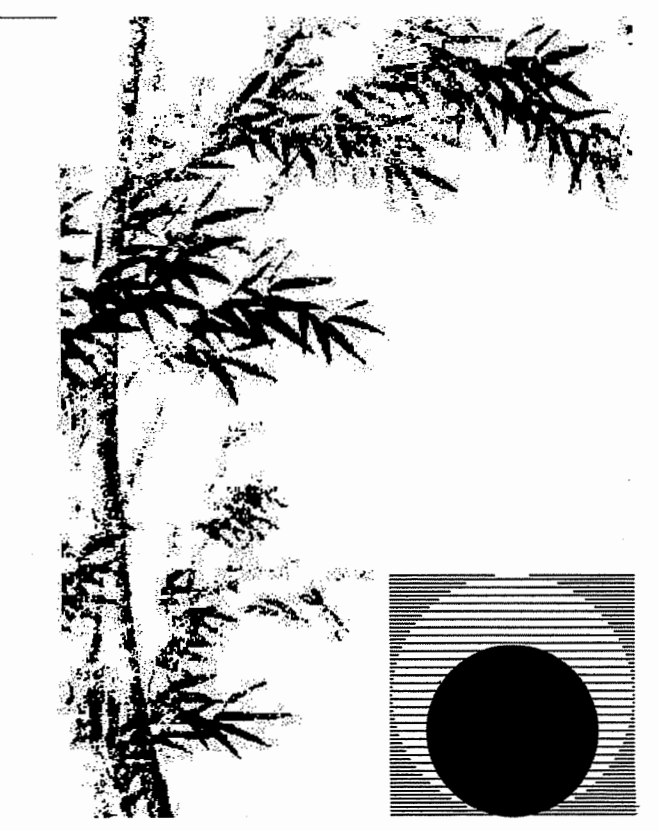
Professional Seal:

Contract Document

Revision Summary:

Date: 11/16/23  
 Project: 22-102  
 Scale: None  
 Sheet No.: A5.1

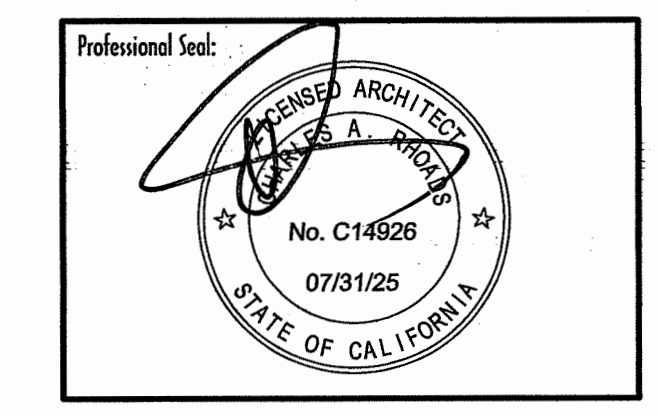
Of 26 Sheets



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Contract Document

Revision Summary:

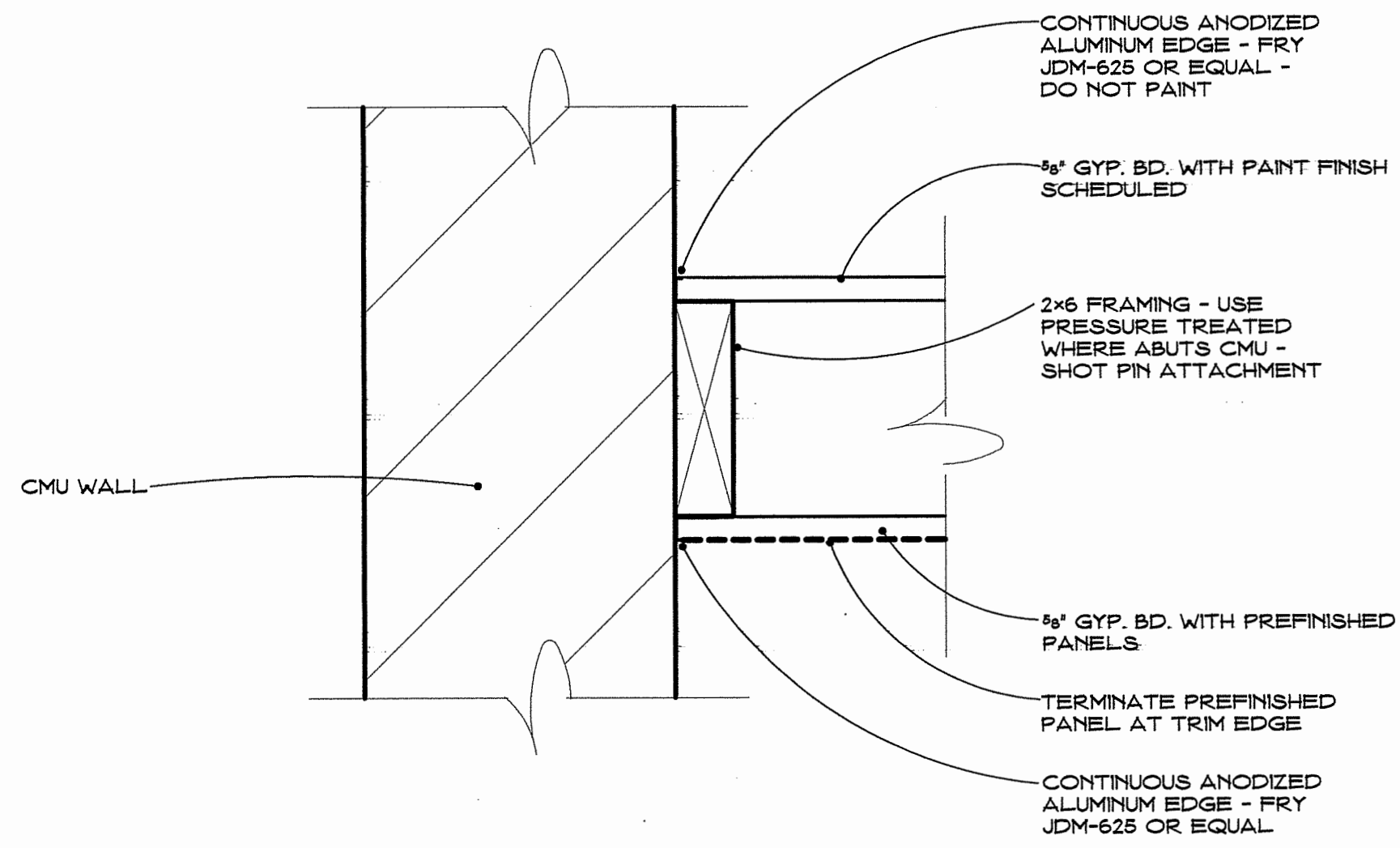
Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
**Finish Schedule**

Date: 11/16/23  
 Project: 22-102  
 Scale: None  
 Sheet No.: A5.1

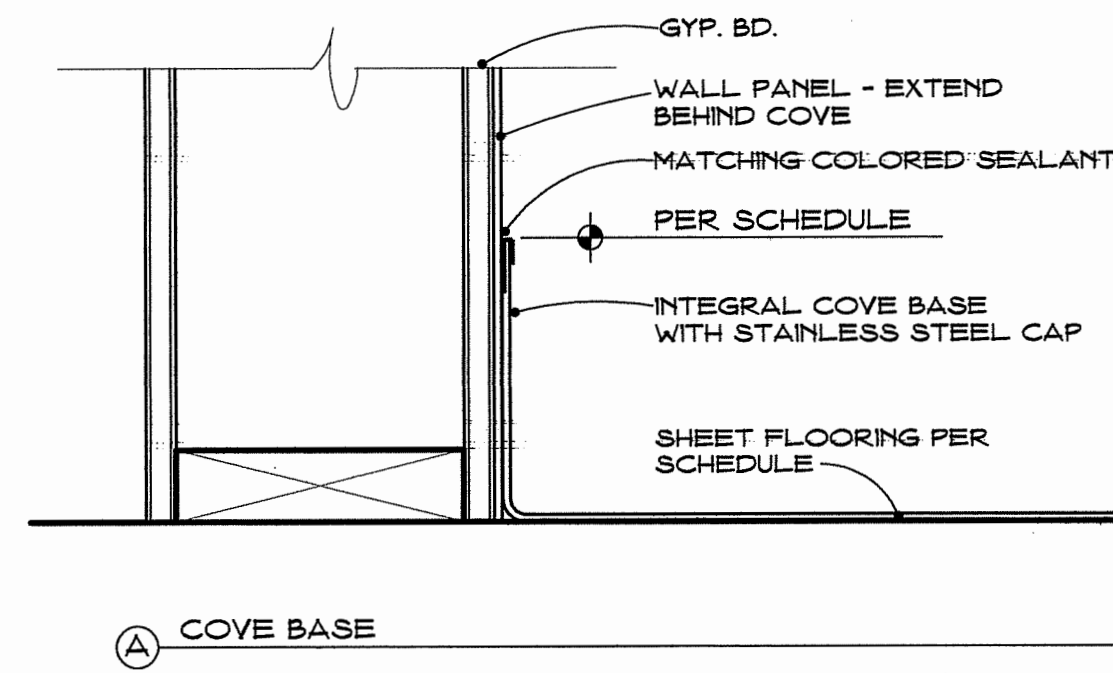
Of 26 Sheets





6 TYPICAL GYP. BOARD TERMINATIONS AT CMU

NO SCALE



3 REQUIREMENTS FOR PRE-FINISHED WALL PANEL INSTALLATION

NO SCALE

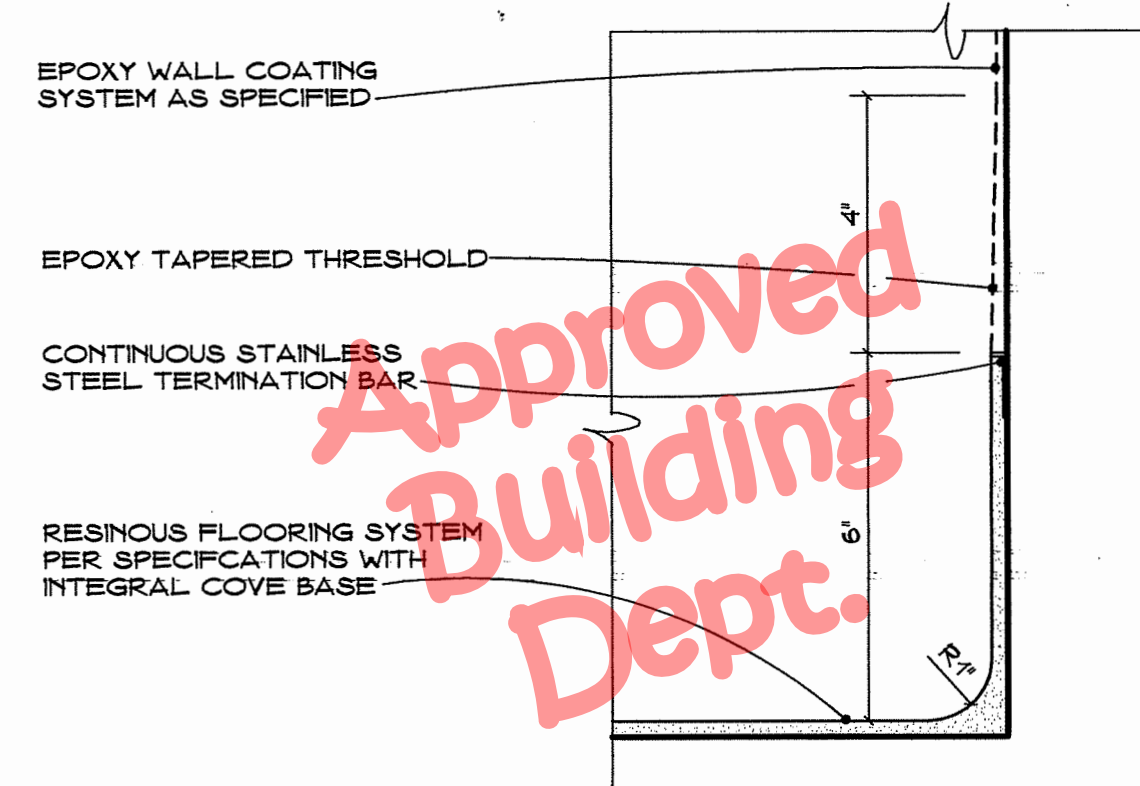
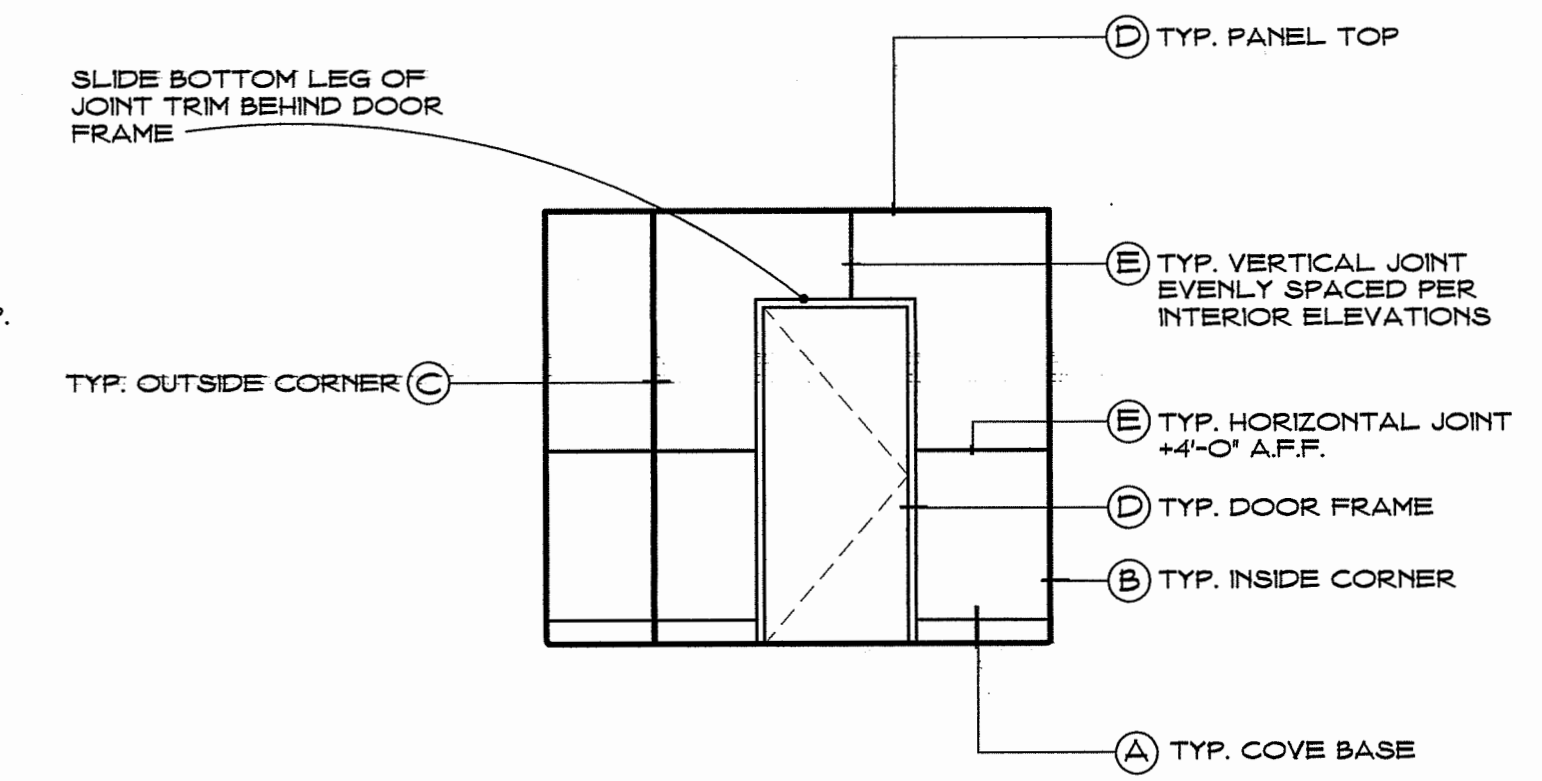
- (B) SATIN ANOD. ALUM. INSIDE CORNER - TYP. MARLITE #F551, OR EQUAL
- (C) SATIN ANOD. ALUM. OUTSIDE CORNER - TYP. MARLITE #F560, OR EQUAL
- (D) SATIN ANOD. ALUM. EDGE TRIM - TYP. MARLITE #F570, OR EQUAL
- (E) SATIN ANOD. ALUM. JOINT - TYP. MARLITE #F555, OR EQUAL

NOTES:

MITER ALL TRIM JOINTS - TYP.

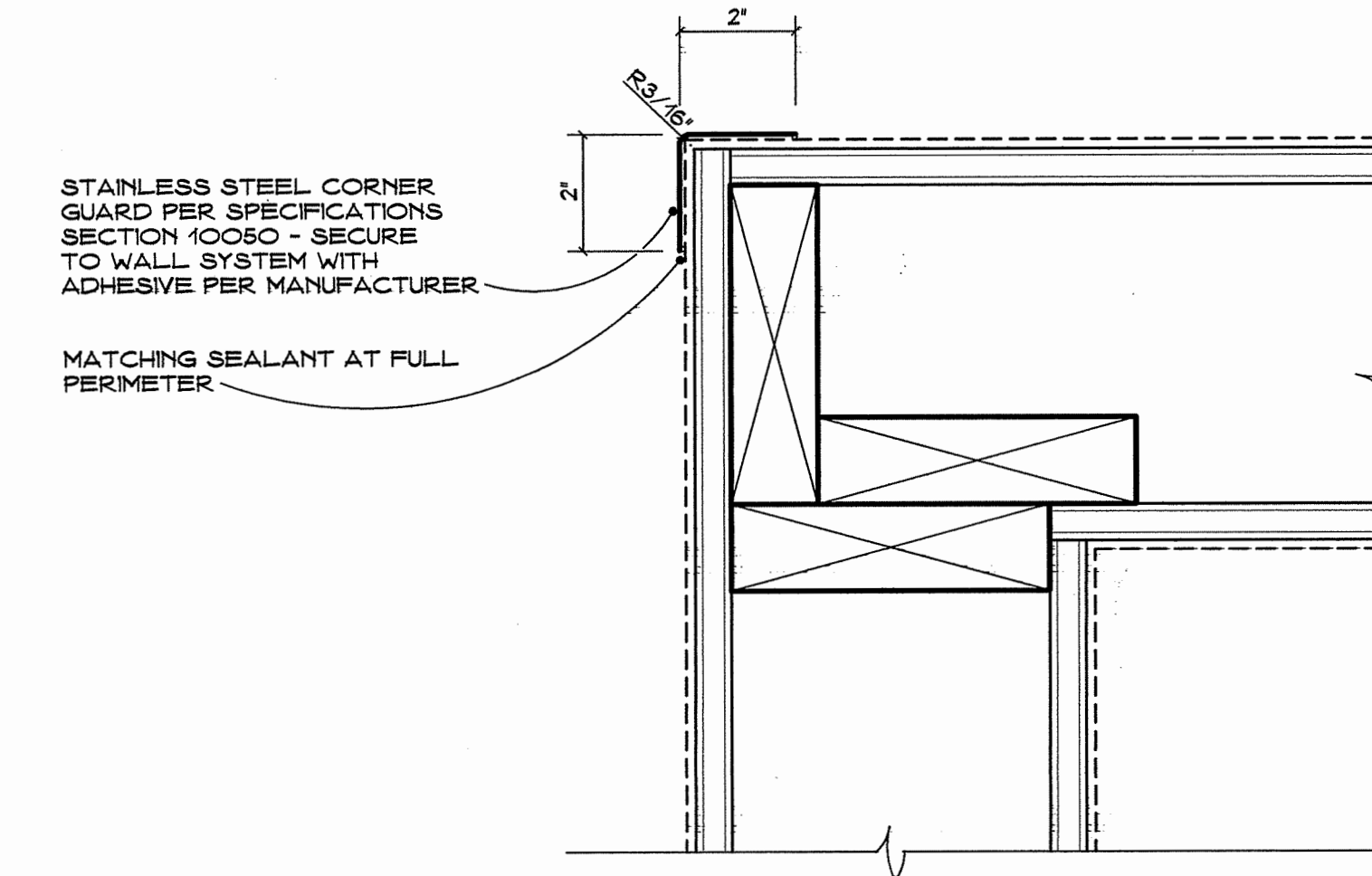
CUT ALL TRIM AT ACCESSORIES TO ALLOW ACCESSORY TO LIE FLAT AGAINST PANEL

INSTALL ALL PANELS SO PATTERN OR GRAIN RUNS IN SAME DIRECTION



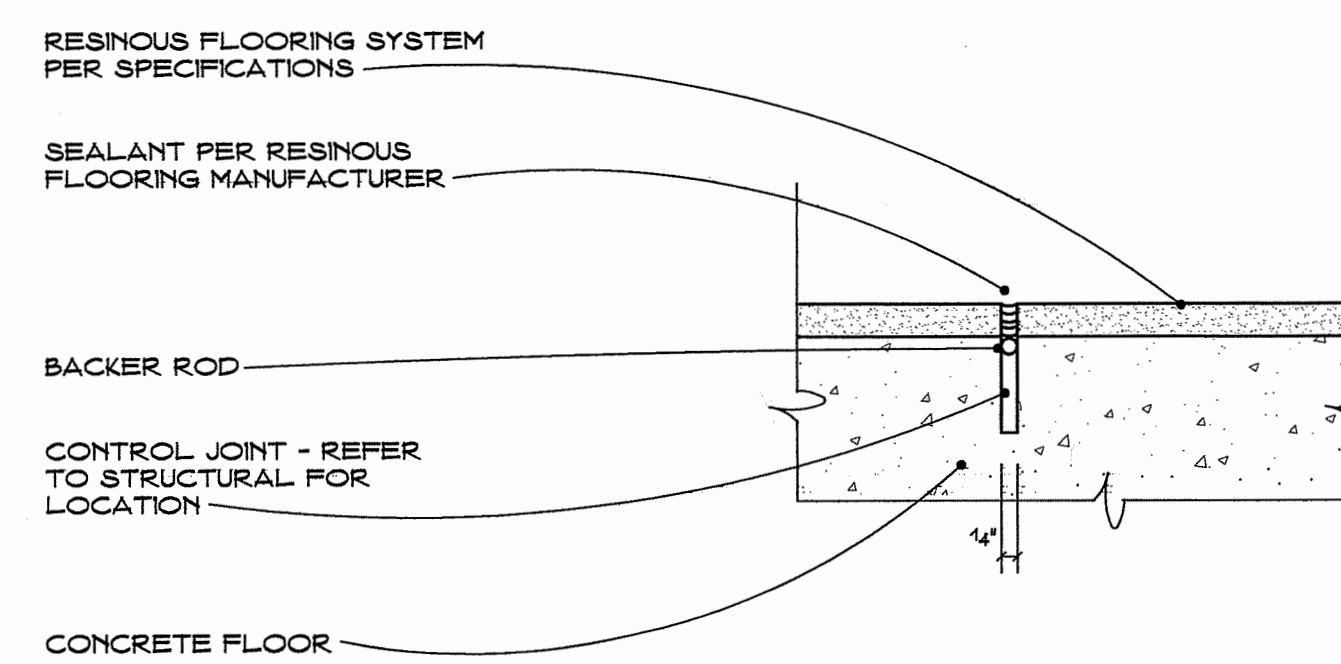
4 INTEGRAL COVE BASE @ RESINOUS FLOORING

NO SCALE



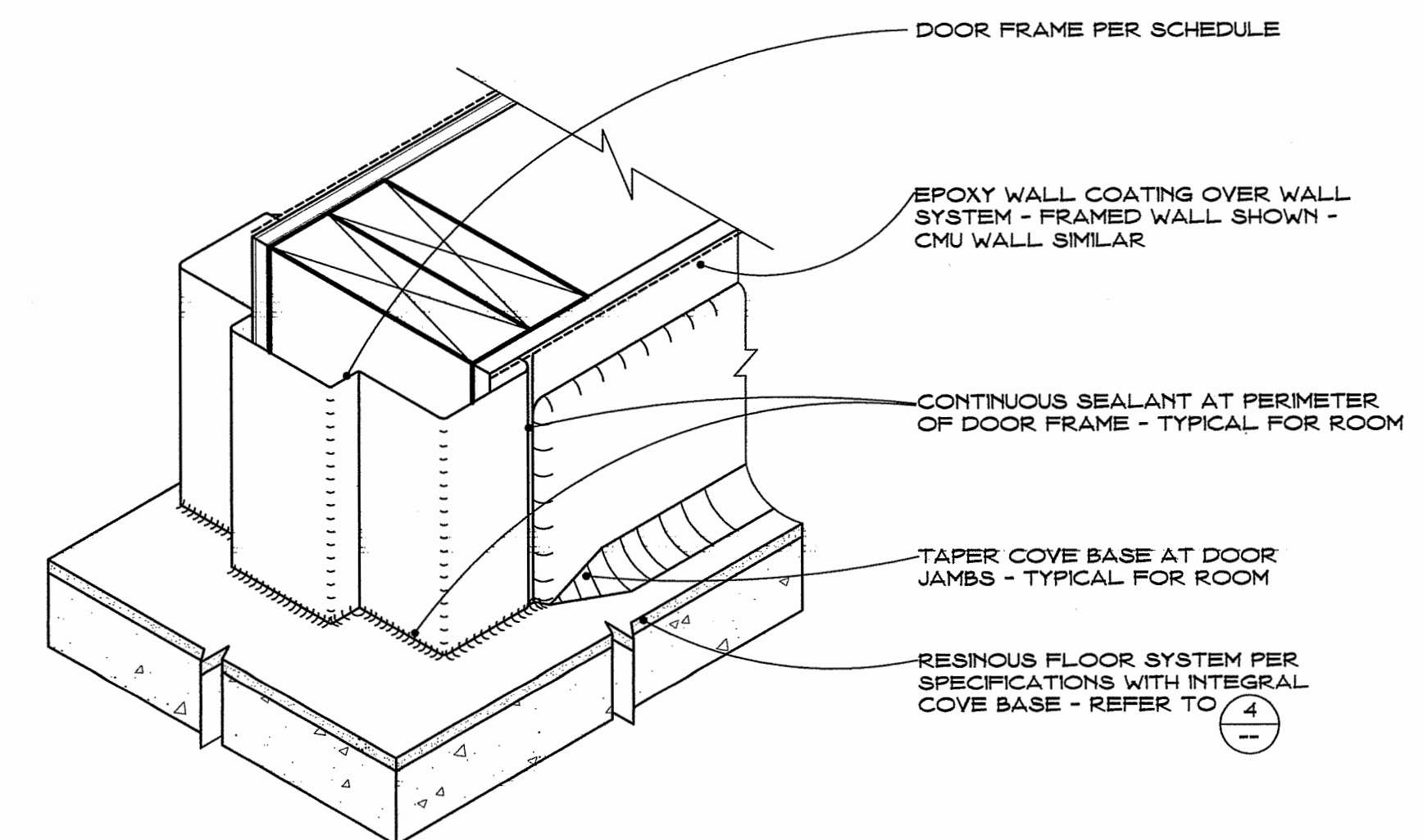
1 TYPICAL STAINLESS CORNER GUARD

NO SCALE



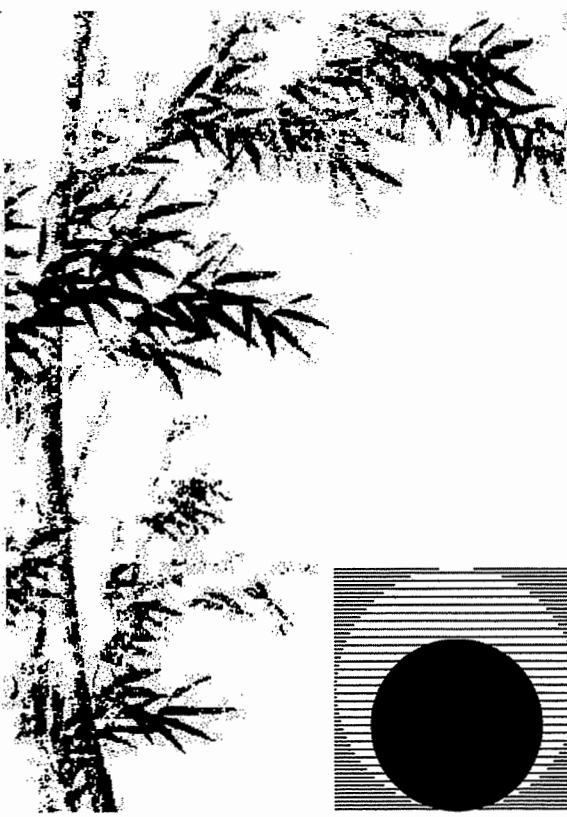
5 CONTROL JOINT @ RESINOUS FLOORING

NO SCALE



2 BASE TRANSITION & DOOR SEALANT @ RESINOUS FLOORING

NO SCALE

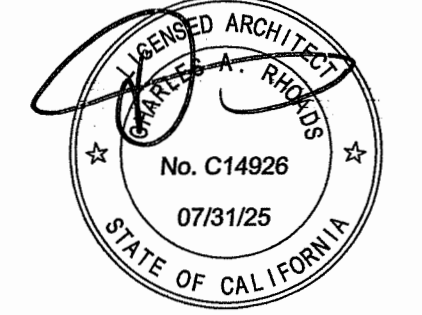


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Consultant:

Drawing Status:

Contract Document

Revision Summary:

Project:

New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:

Details

Date: 11/16/23

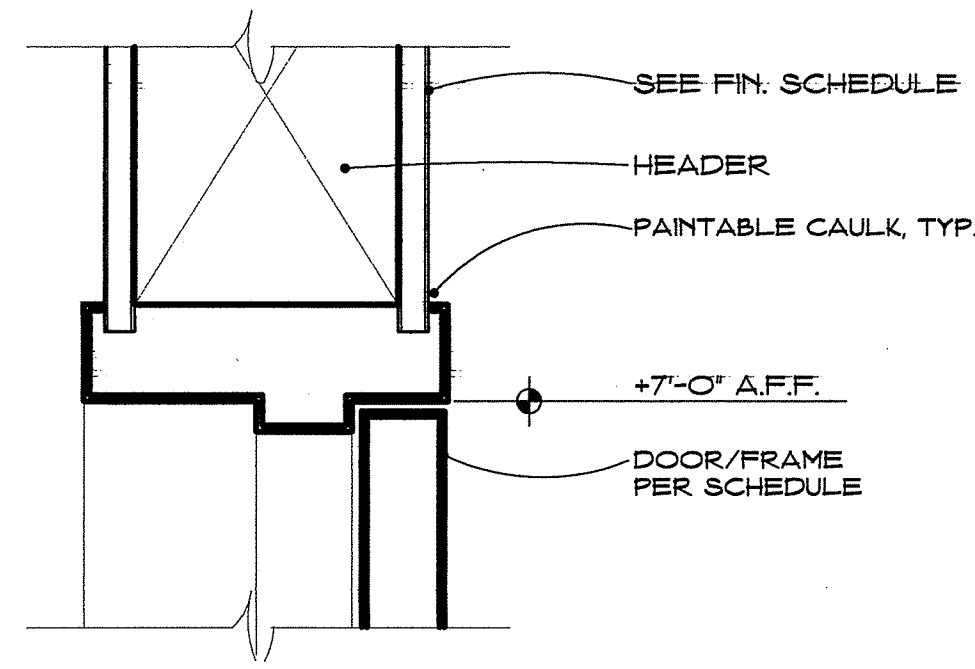
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Scale: Indicated

Sheet No.:

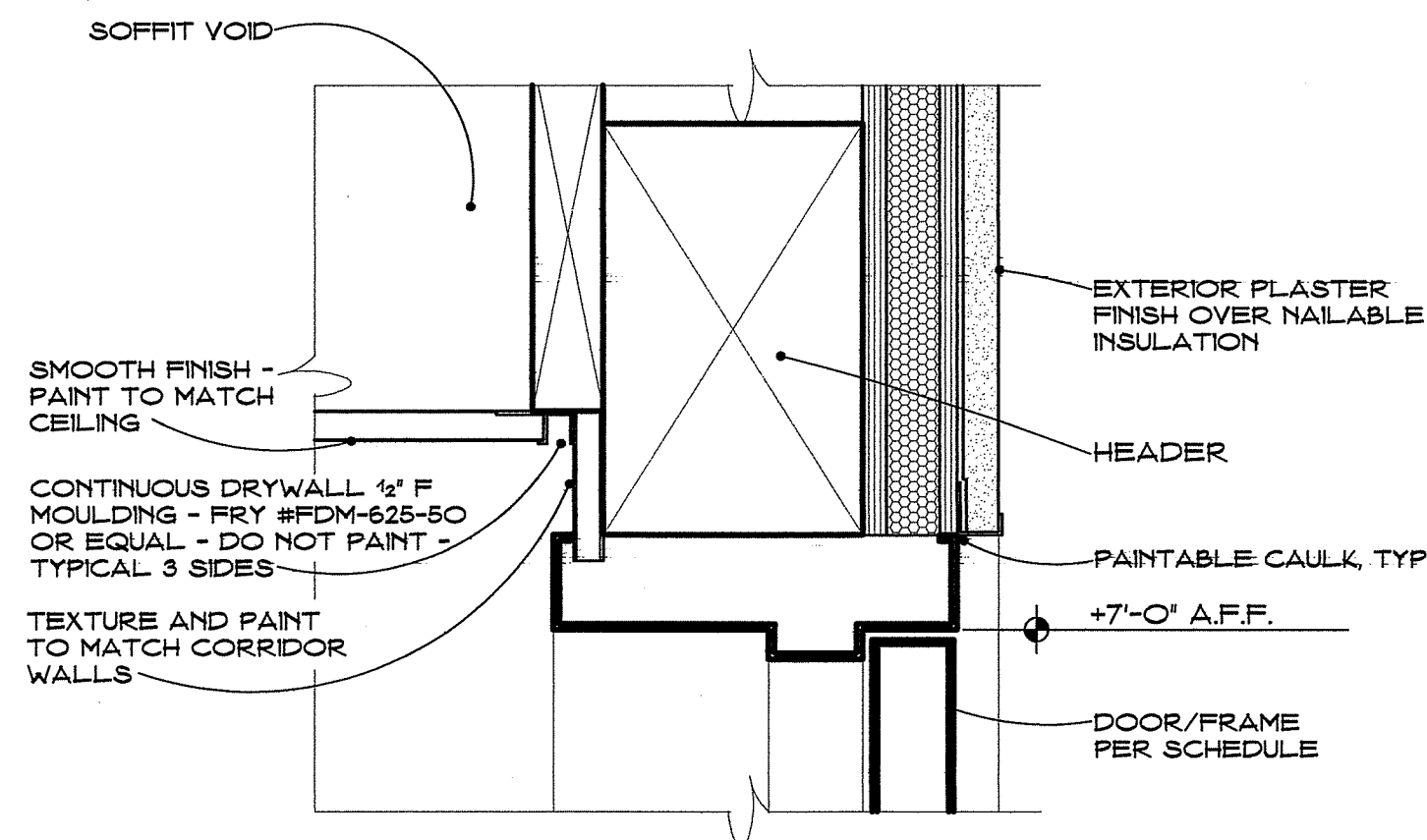
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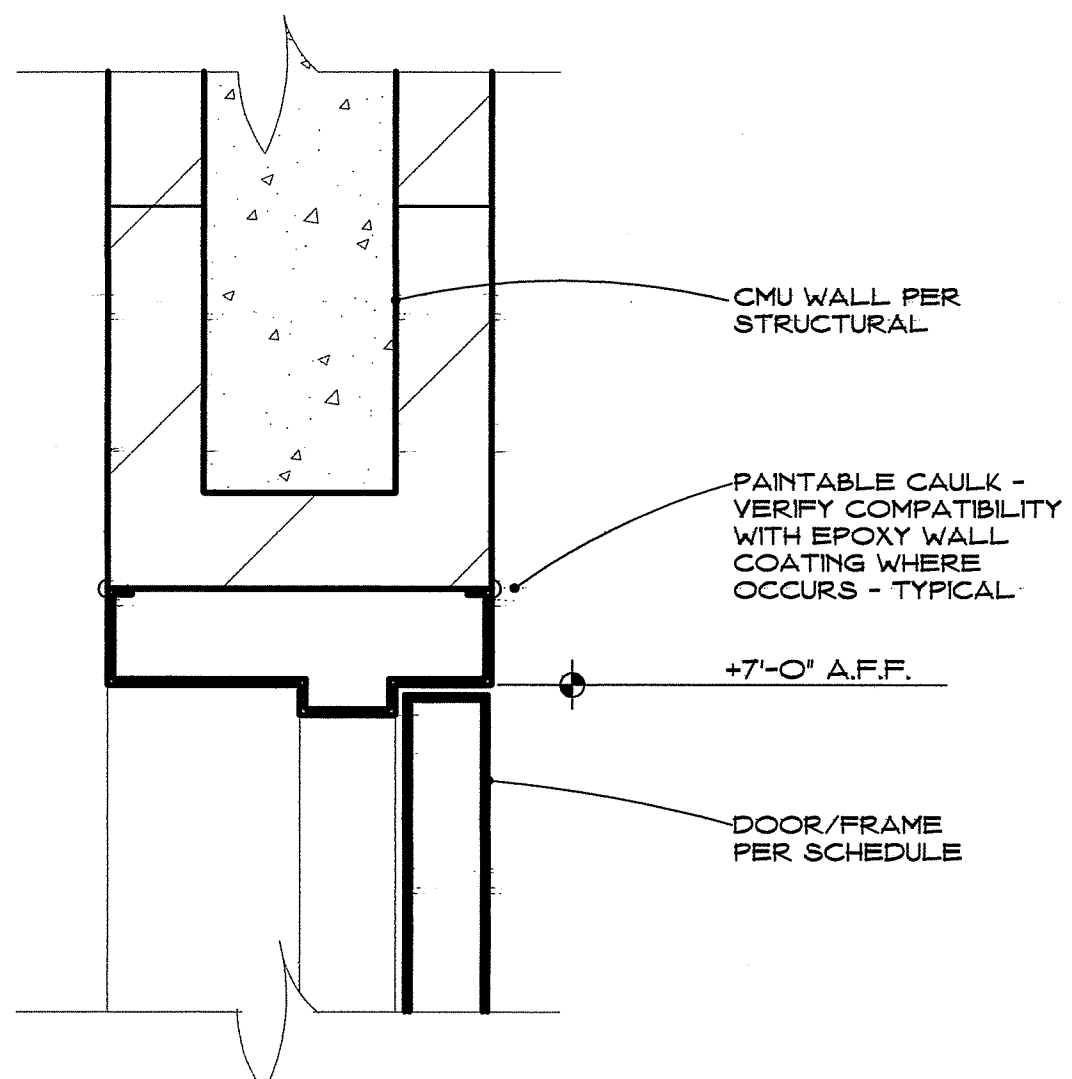
2 TYPICAL DOOR HEAD @ FRAMING

SCALE: 3" = 1'-0" JAMB SIMILAR



3 HEAD @ DOOR 10

SCALE: 3" = 1'-0" JAMB SIMILAR

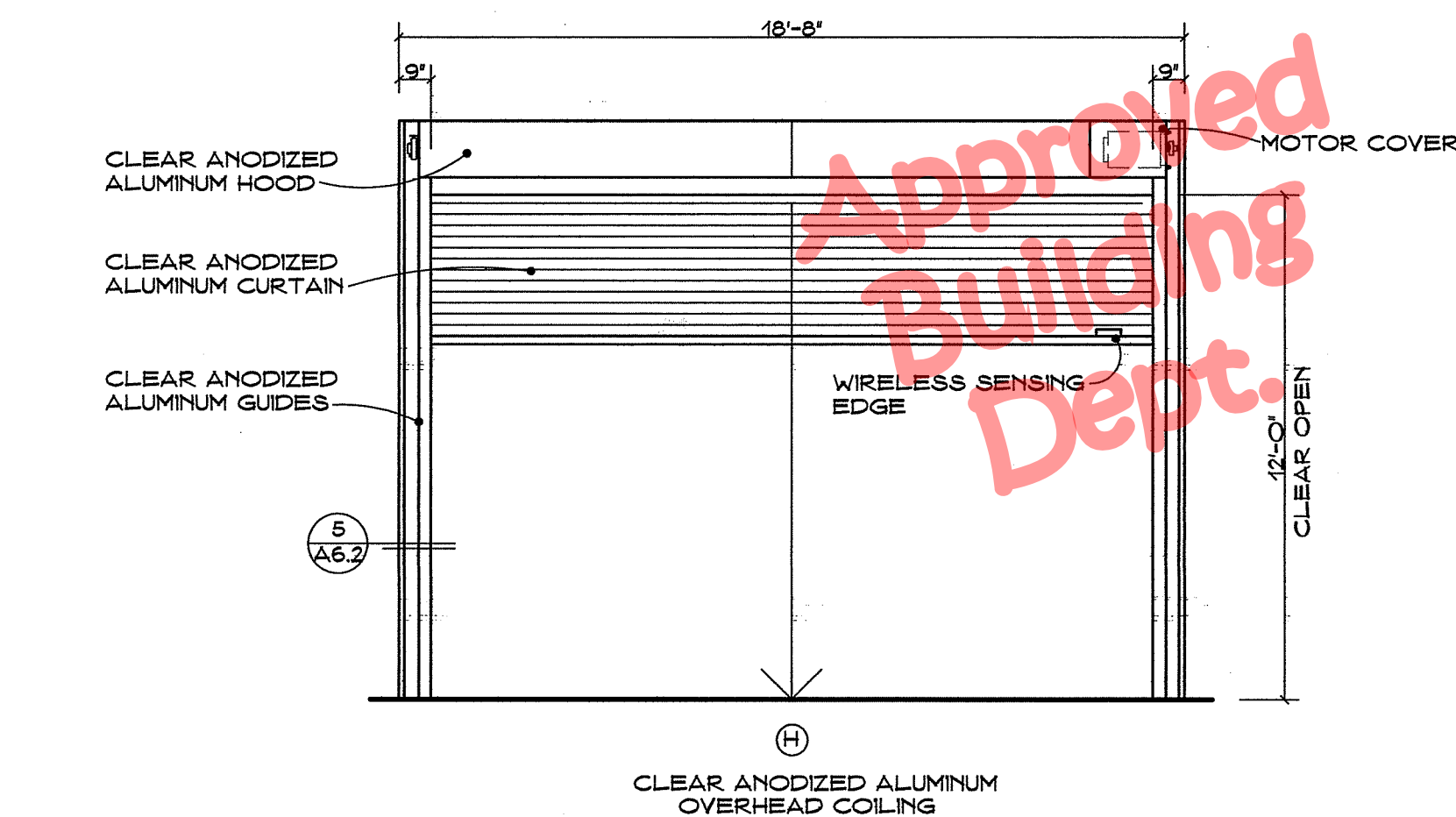
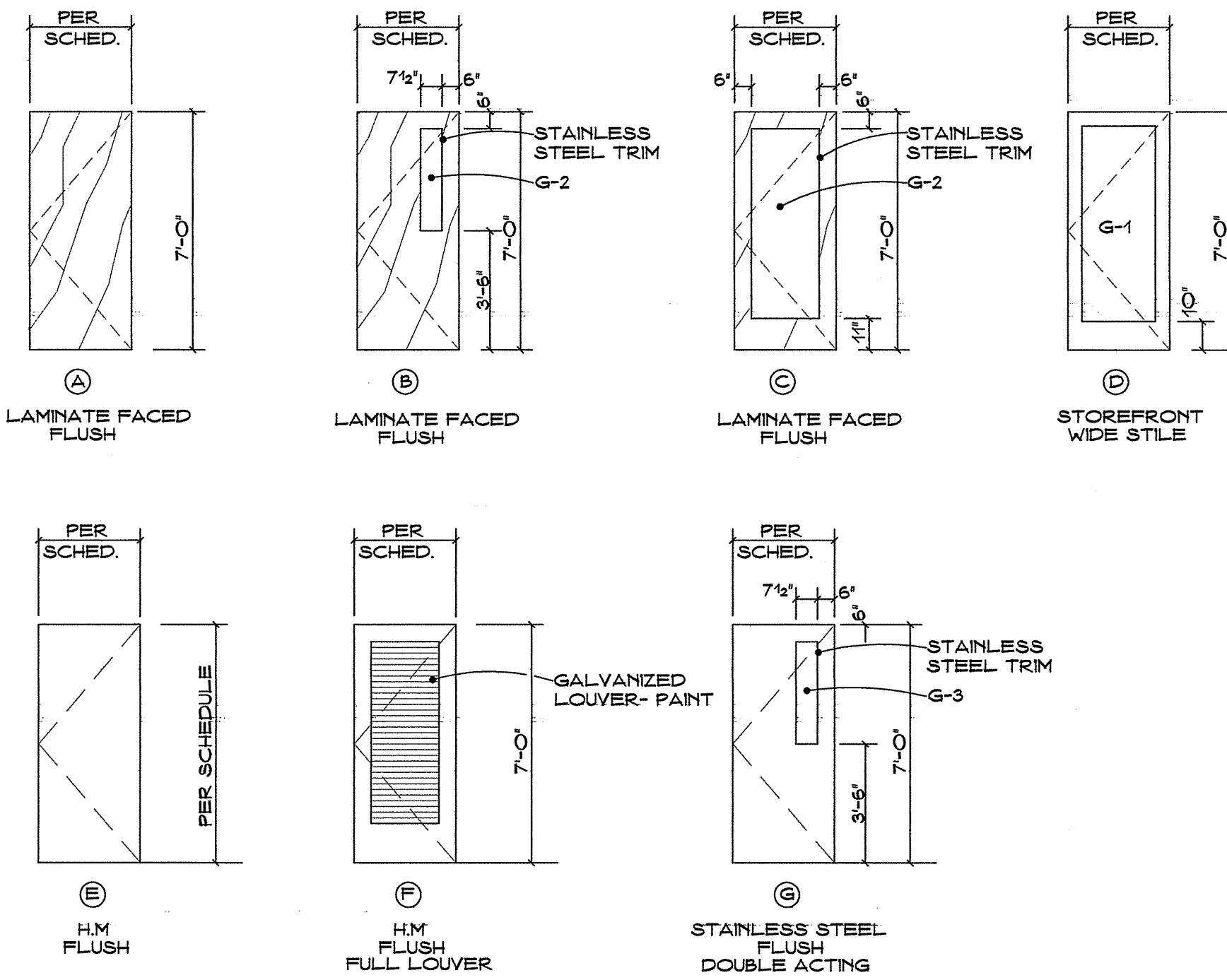


4 TYPICAL DOOR HEAD @ MASONRY

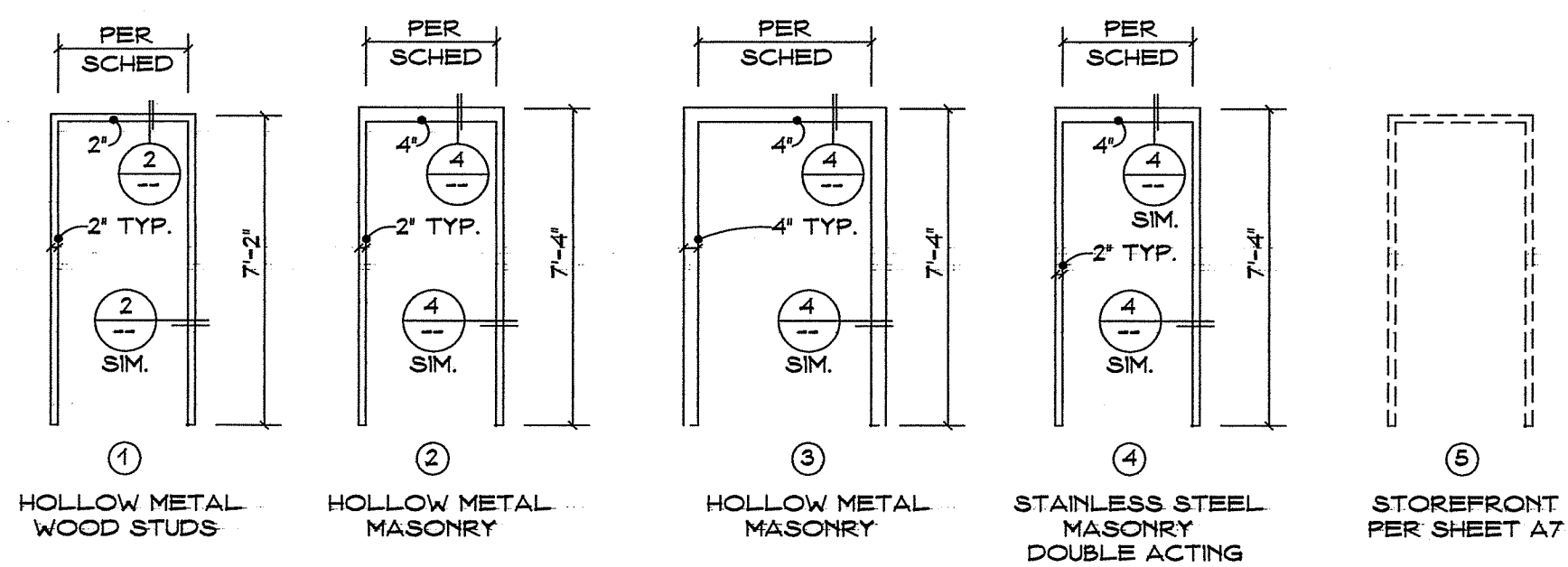
SCALE: 3" = 1'-0" JAMB SIMILAR

DOOR SCHEDULE

DOOR TYPES  
REFER TO WINDOW SCHEDULE ON SHEET A7 FOR KEY TO GLAZING ABBREVIATIONS



FRAME TYPES

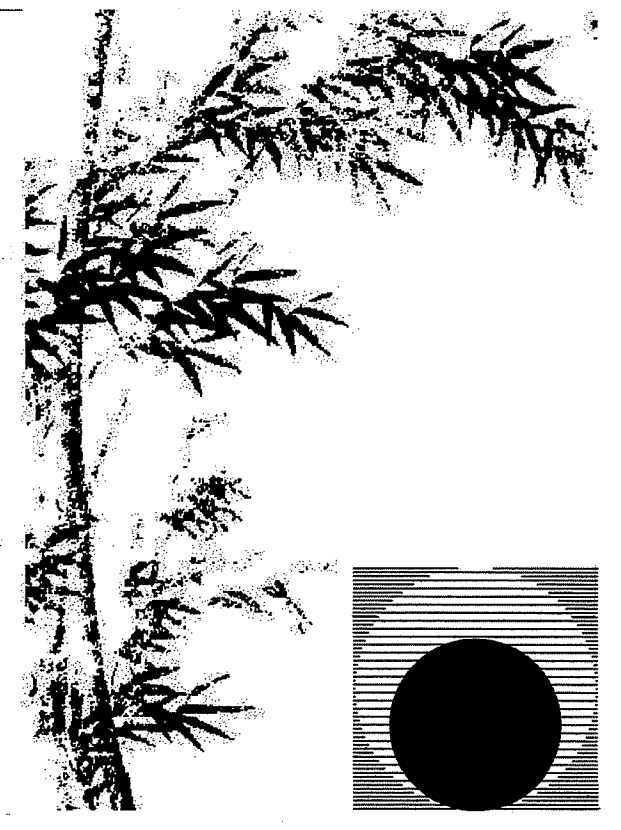


NO.	THK.	RATING	SIZE	DOOR		FRAME		HARDWARE		REMARKS	NO.	PASSAGE LOCKSET	OFFICE LOCKSET	PRIVATE LOCKSET	ELECTRONIC LOCKSET	Panic CLOSER W/ HOLDOPEN	Panic CLOSER W/ HOLDOPEN	Panic CLOSER W/ HOLDOPEN	ACCESS CONTROL	POWER ASSIST	SMOKE SHALES	EXIT PLATE	THRESHOLD	WEATHERSTRIP/SWEEP	WALL STOP	FLOOR STOP
				TYPE	FINISH	TYPE	FINISH	NO.	NO.																	
O1	1 1/2"	---	3'-0" X 7'-0"	D	---	5	---	1	8		O1															
O2	1 1/2"	---	3'-0" X 7'-0"	A	---	2	P-3	12			O2															
O3	1 1/2"	---	3'-0" X 7'-0"	B	---	1	P-3	2	7		O3															
O4	1 1/2"	---	3'-0" X 7'-0"	C	---	2	P-3	3	12		O4															
O5	1 1/2"	---	3'-0" X 7'-0"	A	---	1	P-3				O5															
O6	1 1/2"	---	3'-0" X 7'-0"	A	---	1	P-3	4			O6															
O7	1 1/2"	---	3'-0" X 7'-0"	C	---	1	P-3	3			O7															
O8	1 1/2"	---	3'-0" X 7'-0"	C	---	1	P-3	3			O8															
O9	1 1/2"	---	3'-0" X 7'-0"	B	---	1	P-3				O9															
10	1 1/2"	---	3'-0" X 7'-0"	E	P-6	1	P-6	2	5		10															
11	1 1/2"	---	3'-0" X 7'-0"	A	---	1	P-3	12			11															
12	1 1/2"	---	3'-0" X 7'-0"	A	---	1	P-3	12			12															
13	1 1/2"	---	3'-0" X 7'-0"	A	---	1	P-3	12			13															
14	1 1/2"	---	3'-0" X 7'-0"	E	P-6	2	P-6	4	5		14															
15	1 1/2"	60 MINUTES	4'-0" X 7'-0"	E	P-6	3	P-6	4	5		15															
16	1 1/2"	---	3'-0" X 7'-0"	F	P-6	2	P-6	5			16															
17	1 1/2"	---	3'-0" X 7'-0"	F	P-6	2	P-6	5			17															
18	1 1/2"	---	3'-0" X 7'-0"	G	---	4	---	6			18															
19	1 1/2"	---	3'-0" X 7'-0"	E	P-3	2	P-3	4			19															
20	1 1/2"	---	3'-0" X 5'-6"	E	P-53	2 (SIM)	P-53	5	9		20															
21	1 1/2"	---	18'-8" X 12'-0"	H	---	---	---	10	11		21															

REFER TO FINISH SCHEDULE ON SHEET A6 FOR KEY TO FINISH ABBREVIATIONS

- KEY TO REMARKS
- 1 STOREFRONT ENTRANCE - CYLINDER PART OF FINISH HARDWARE - ALL OTHER HARDWARE AND POWER ASSIST SHALL BE PROVIDED AS PART OF THE STOREFRONT PACKAGE - ACCESS CONTROL SHALL BE PROVIDED AS PART OF LOW VOLTAGE - COORDINATE - REQUIRED OPERATION PER (A6.2)
  - 2 ACCESS CONTROL PER (A6.2)
  - 3 PROVIDE CONCEALED CORNER REINFORCEMENT
  - 4 ACCESS CONTROL PER (A6.2)
  - 5 GALVANIZED DOOR AND FRAME
  - 6 DOUBLE ACTING DOOR WITH STAINLESS STEEL SPRING HINGES
  - 7 MOMENTARY SWITCH AT RECEPTION TO RELEASE ELECTRONIC PANIC - LOCATE PER ARCHITECT
  - 8 SWITCH AT RECEPTION TO CONTROL POWER ASSIST - LOCATE PER ARCHITECT
  - 9 ACCESSIBLE GATE AT TRASH ENCLOSURE - VERIFY HEIGHT TO BE LEVEL WITH TOP OF WALL - FRAME JAMBS ONLY NO TOP
  - 10 OVERHEAD COILING ALUMINUM DOOR PER SPECIFICATIONS SECTION 08331 - INTERIOR WATERPROOF KEY SWITCH CONTROL - PROVIDE ADDITIONAL SWITCH LEADS IN MOTOR CONTROL FOR CONNECTION TO OWNER'S EXTERIOR KEY CARD ACTIVATION SYSTEM
  - 11 ACCESS CONTROL PER (A6.2)
  - 12 UNDERCUT DOOR #1 FOR HVAC PASSIVE RETURN PER SHEET M1.1

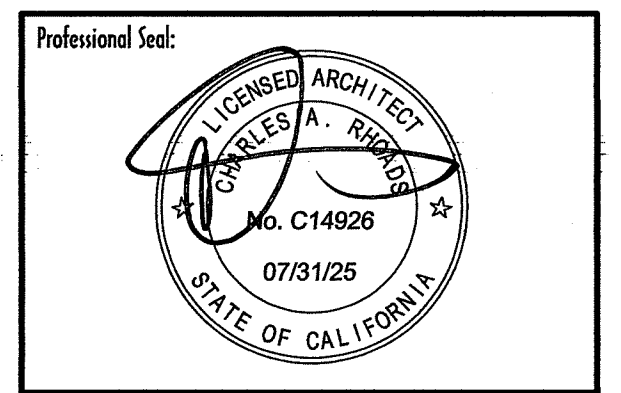
- HARDWARE NOTES
- ALL DOOR HARDWARE SHALL BE CENTERED BETWEEN +33" A.F.F. AND +44" A.F.F.
  - ALL EXTERIOR AND INTERIOR DOORS SHALL HAVE A MAXIMUM OPERABLE FORCE OF 5 LBF.
  - HAND-ACTIVATED DOOR OPENING HARDWARE HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.
  - DOOR 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 MINIMUM



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Consultant:

Drawing Status:  
Contract Document

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New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
Door Schedule  
Details

Date: 11/16/23  
Project: 22-102  
Scale: Indicated

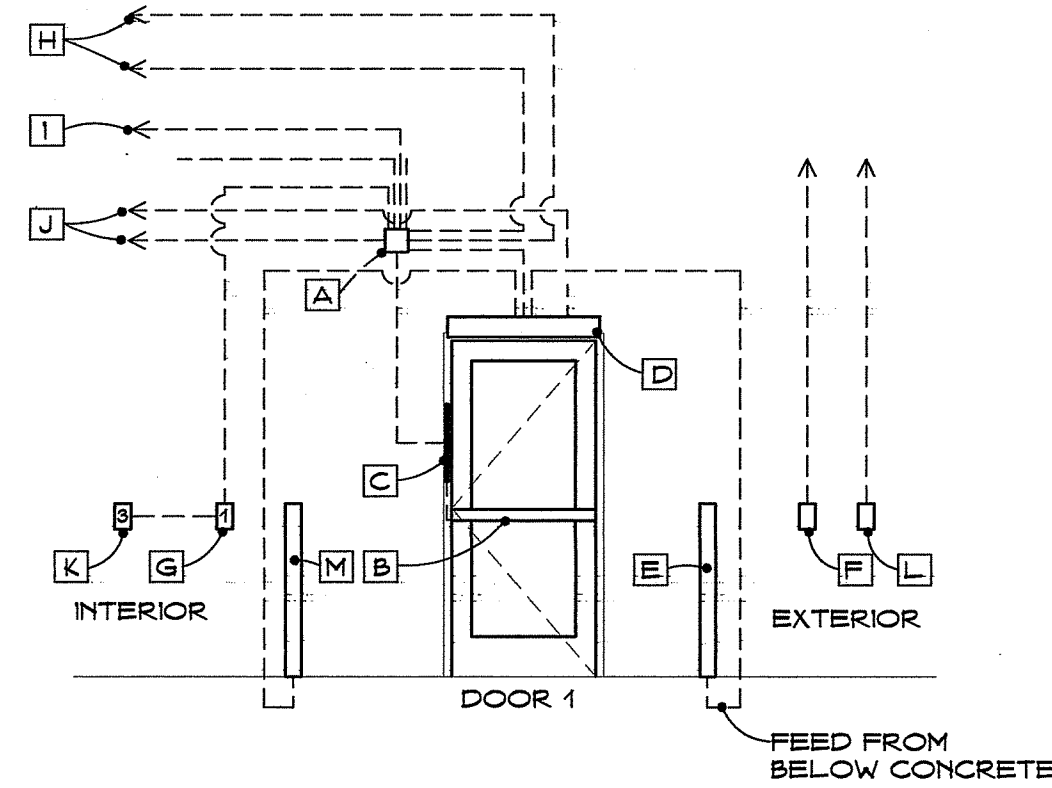
Sheet No.: A6.1

- A TRANSFORMER / CONTROLLER IN ACCESSIBLE ATTIC - POWER SUPPLY TO HAVE INTEGRAL BATTERY BACK-UP
- B ELECTRONIC EXIT DEVICE PER SPECIFICATIONS
- C POWER TRANSFER IN JAMB FRAME
- D POWER SWING DOOR OPERATOR HORTON AUTOMATICS 'SERIES 7100' OR EQUAL
- E BOLLARD STYLE ACTUATOR PER SPECIFICATIONS - LOCATE PER PLAN
- F SURFACE-MOUNTED SIP INTERCOM WITH CAT5A TO ROOM 11 - LOCATE PER ARCHITECT
- G SWITCH AT RECEPTION AREA TO CONTROL POWER TO POWER ASSIST - LOCATE PER ARCHITECT
- H TO 120 VOLT AC
- I TO FIRE ALARM CONTROL PANEL - AUTO LATCH RETRACTION AT DOOR 01 AND 03 UPON ALARM ACTIVATION
- J TO DOOR 03 ELECTRONIC PANIC
- K MOMENTARY SWITCH AT RECEPTION AREA TO RELEASE LATCH OF ELECTRONIC PANIC AT DOOR 03 - LOCATE PER ARCHITECT
- L MULLION BADGE READER - REFER TO ①
- M BOLLARD STYLE ACTUATOR PER SPECIFICATIONS - LOCATE IN LOBBY PER ARCHITECT

PROVIDE 1/2" CONDUIT STUBS UNLESS OTHERWISE NOTED ON THE ELECTRICAL PLANS

CONNECT POWER SUPPLIES FOR DOOR ACCESS SYSTEM TO U.P.S. PER MANUFACTURER

EACH POWER SUPPLY IN ATTIC SHALL BE PROVIDED WITH A SERVICE DISCONNECT SWITCH



**REQUIRED OPERATION SEQUENCES:**

POWER SWITCH 'G' AT RECEPTION AREA SHUTS DOWN POWER ASSIST AND SERVES AS SECURITY LOCK - NORMALLY OFF

EXTERIOR TRIM LEVER OF ELECTRONIC EXIT DEVICE 'B' ONLY SERVES AS A PULL-IF EXIT DEVICE IS ACTIVATED BY BADGE READER 'L' - EXIT DEVICE NORMALLY LOCKED

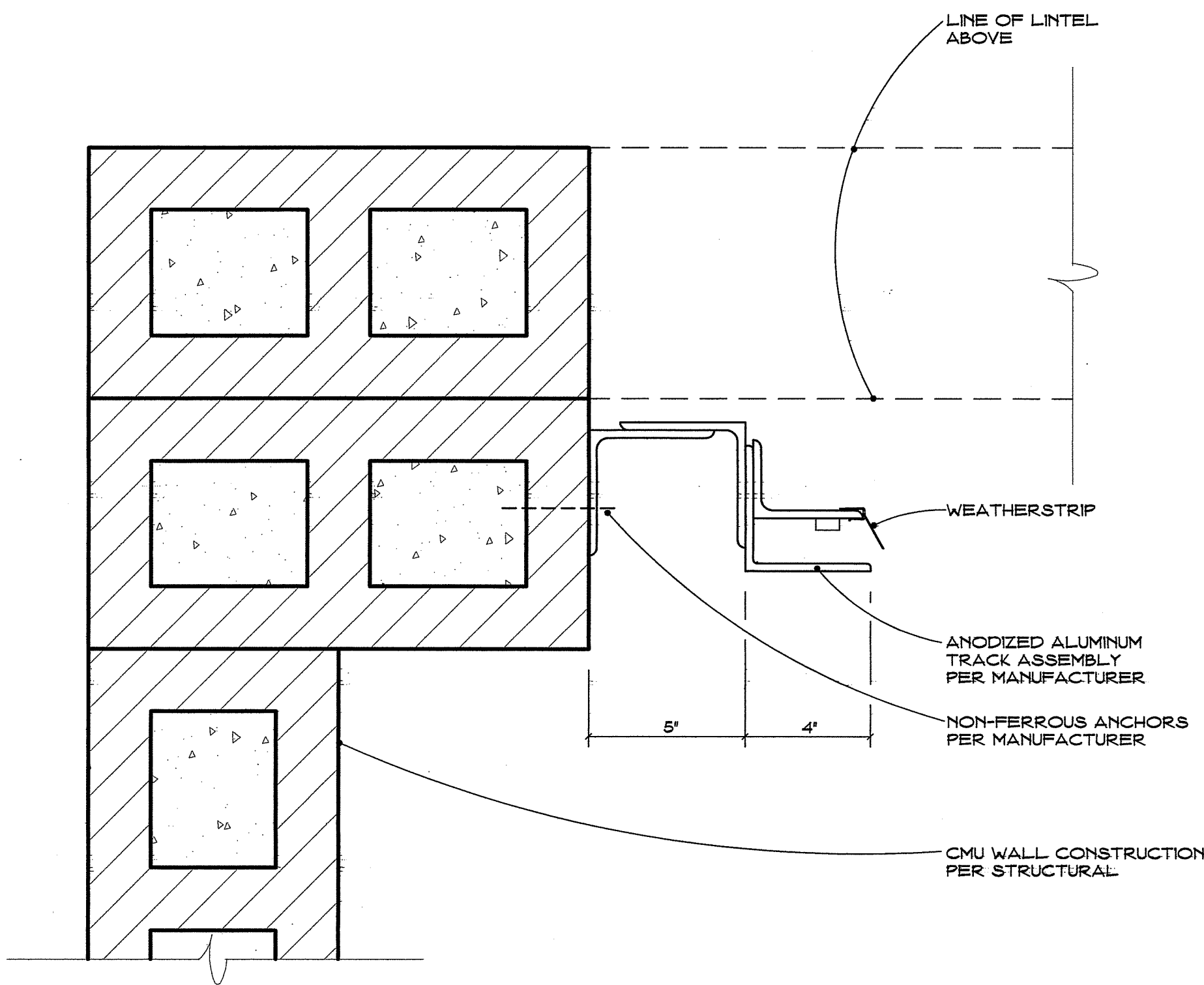
VISITORS MAY ENTER ONLY BY ANNOUNCING THEMSELVES THRU SIP PHONE 'F' HAVING STAFF MEMBER TURN ON POWER SWITCH 'G', AND VISITOR THEN PRESSING BOLLARD ACTUATOR 'E'

PHYSICAL ACTIVATION OF ELECTRONIC EXIT DEVICE 'B' FROM THE INTERIOR WILL PROVIDE EMERGENCY EXITING EVEN IF POWER SWITCH 'G' IS TURNED OFF

**4 REQUIRED OPERATION OF DOORS AT LOBBY**

NO SCALE DOOR OPERATION SHALL COMPLY WITH C.B.C. 1008.1.4.2 AND 1008.1.9

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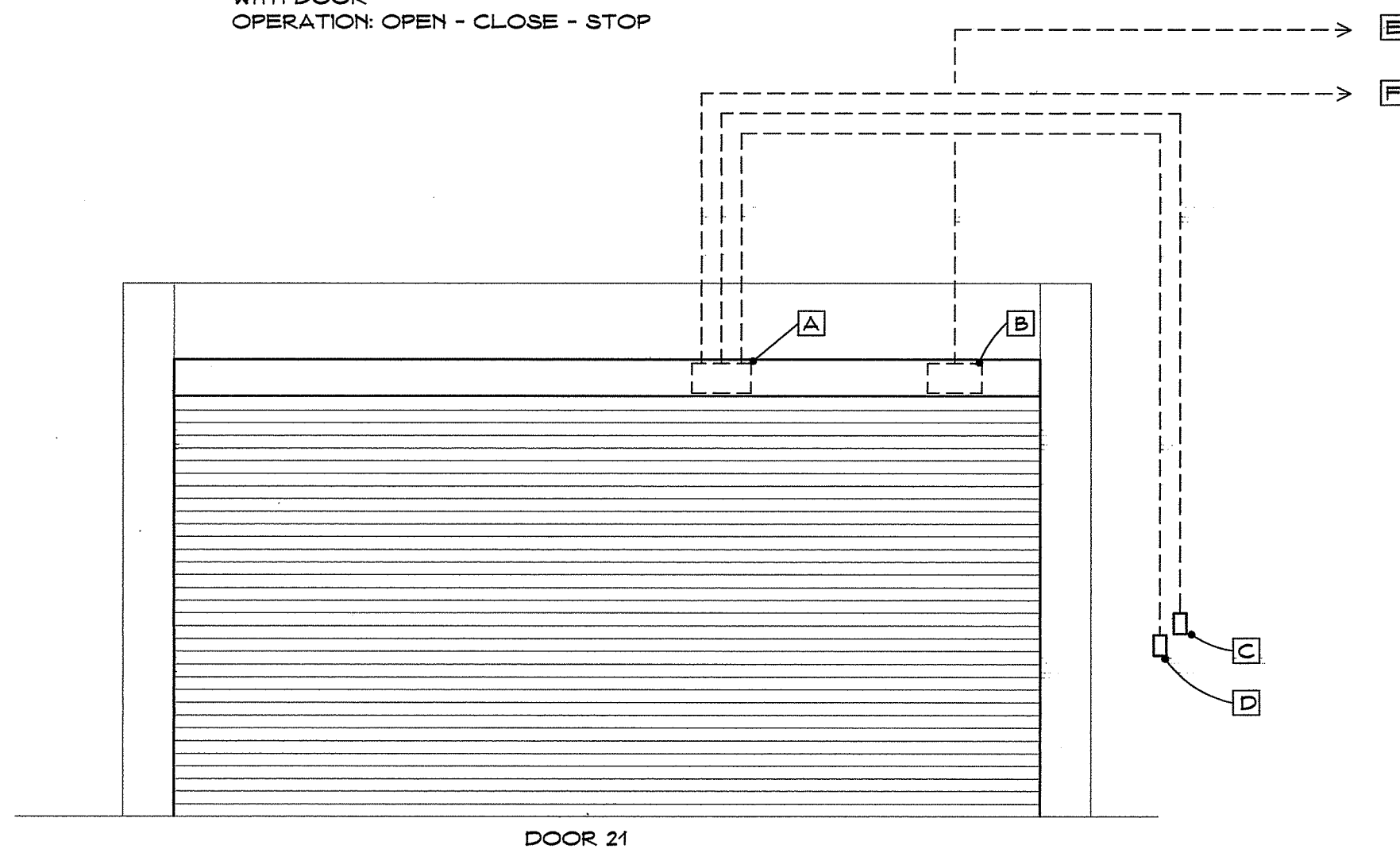
**5 GUIDE TRACK AT ROLL-UP DOOR**

NO SCALE

- A INTEGRAL CONTROLLER PROVIDED WITH DOOR - PROVIDE ADDITIONAL PROVISIONS FOR OWNER'S I-CLASS BADGE READER AND CONNECTION TO OWNER'S ACCESS CONTROLLER
- B INTEGRAL MOTOR
- C EXTERIOR: OWNER'S BADGE READER IN RECESSED BOX IN NORTH JAMB - NEMA RATED - OPERATION: OPEN - CLOSE
- D INTERIOR: SURFACE MOUNTED CONTROLLER PROVIDED WITH DOOR - OPERATION: OPEN - CLOSE - STOP
- E TO 120V POWER
- F TO OWNER'S ACCESS CONTROLLER IN IT. ROOM 11

PROVIDE 1/2" CONDUIT STUBS UNLESS OTHERWISE NOTED ON THE ELECTRICAL PLANS

CONNECT POWER SUPPLIES FOR DOOR ACCESS SYSTEM TO U.P.S. PER MANUFACTURER

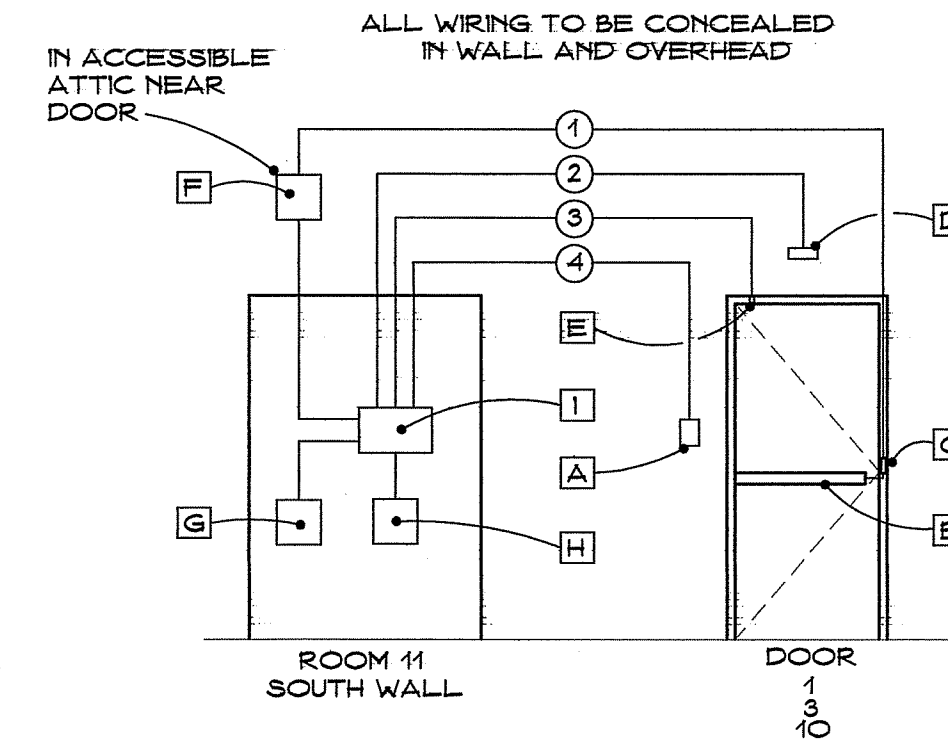


**3 REQUIRED OPERATION AT COILING DOOR**

NO SCALE

**EQUIPMENT KEY**

- A I-CLASS BADGE READER - MOUNT ON NON-SECURE SIDE - OPPOSITE HINGE SIDE - VERIFY LOCATION WITH ARCHITECT IN THE FIELD  
WALL MOUNT: IDENTIVE #8110ABP0000  
MULLION/JAMB MOUNT: IDENTIVE #8010ABP0000
- B ELECTRONIC PANIC DEVICE PER SPECIFICATIONS
- C ELECTRIC HINGE PER SPECIFICATIONS
- D REQUEST TO EXIT - MOUNT ON SECURE SIDE BOSCH DS 150-1 WITH #TP160 TRIM PLATE
- E DOOR POSITION SENSOR (NORMALLY CLOSED) INTERLOGIX 1078C-N
- F DC POWER SUPPLY VON DUPRIN PS902
- G POE SWITCH
- H DC POWER SUPPLY AL-TRONIX AL600ULPD8
- I DOOR CONTROLLER (PROVIDED BY OWNER) IDENTIVE MX-1



PROVIDE 1/2" CONDUIT STUBS UNLESS OTHERWISE NOTED ON THE ELECTRICAL PLANS

CONNECT POWER SUPPLIES FOR DOOR ACCESS SYSTEM TO U.P.S. PER MANUFACTURER

EACH POWER SUPPLY IN ATTIC SHALL BE PROVIDED WITH A SERVICE DISCONNECT SWITCH

**WIRE KEY**

- ① STRANDED 16/2
- ② STRANDED 16/4
- ③ STRANDED 16/2
- ④ STRANDED 16/8

ALL EQUIPMENT PROVIDED AND INSTALLED BY CONTRACTOR EXCEPT DOOR CONTROLLER WHICH IS PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR

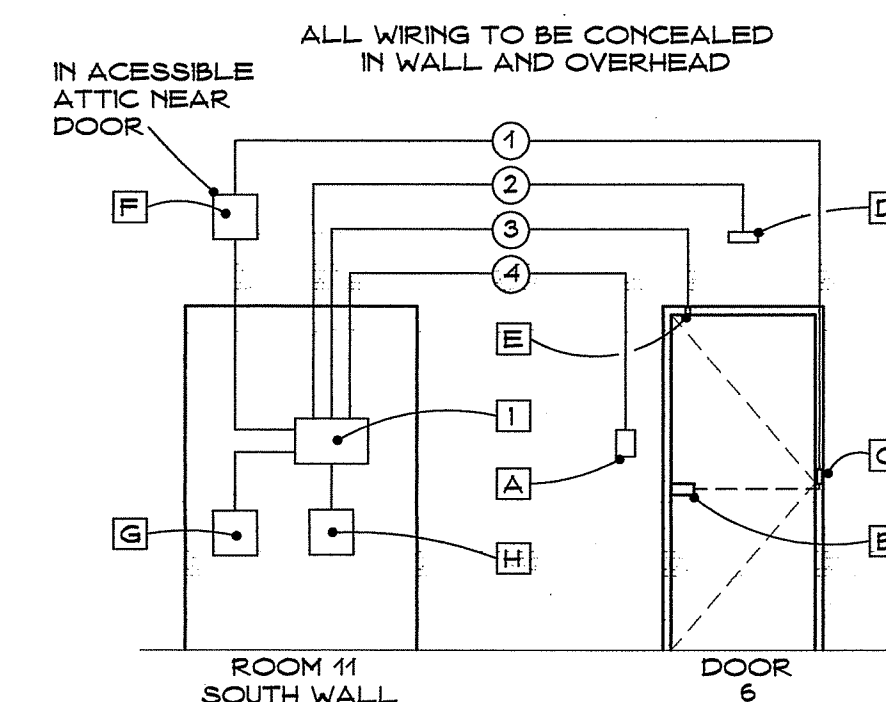
ELECTRONIC EXIT DEVICE 'B' AT DOOR 3 WILL ALSO BE ACTIVATED BY MOMENTARY SWITCH AT RECEPTION AREA TO PERMIT ENTRY BY VISITORS - REFER TO ①

**1 TYPICAL ACCESS CONTROL - PANIC DEVICE**

NO SCALE

**EQUIPMENT KEY**

- A I-CLASS BADGE READER - MOUNT ON NON-SECURE SIDE - OPPOSITE HINGE SIDE - VERIFY LOCATION WITH ARCHITECT IN THE FIELD  
WALL MOUNT: IDENTIVE #8110ABP0000  
MULLION/JAMB MOUNT: IDENTIVE #8010ABP0000
- B ELECTRONIC LOCKSET PER SPECIFICATIONS
- C ELECTRIC HINGE PER SPECIFICATIONS
- D REQUEST TO EXIT - MOUNT ON SECURE SIDE BOSCH DS 150-1 WITH #TP160 TRIM PLATE
- E DOOR POSITION SENSOR (NORMALLY CLOSED) INTERLOGIX 1078C-N
- F DC POWER SUPPLY VON DUPRIN PS902
- G POE SWITCH
- H DC POWER SUPPLY AL-TRONIX AL600ULPD8
- I DOOR CONTROLLER (PROVIDED BY OWNER) IDENTIVE MX-1



PROVIDE 1/2" CONDUIT STUBS UNLESS OTHERWISE NOTED ON THE ELECTRICAL PLANS

CONNECT POWER SUPPLIES FOR DOOR ACCESS SYSTEM TO U.P.S. PER MANUFACTURER

EACH POWER SUPPLY IN ATTIC SHALL BE PROVIDED WITH A SERVICE DISCONNECT SWITCH

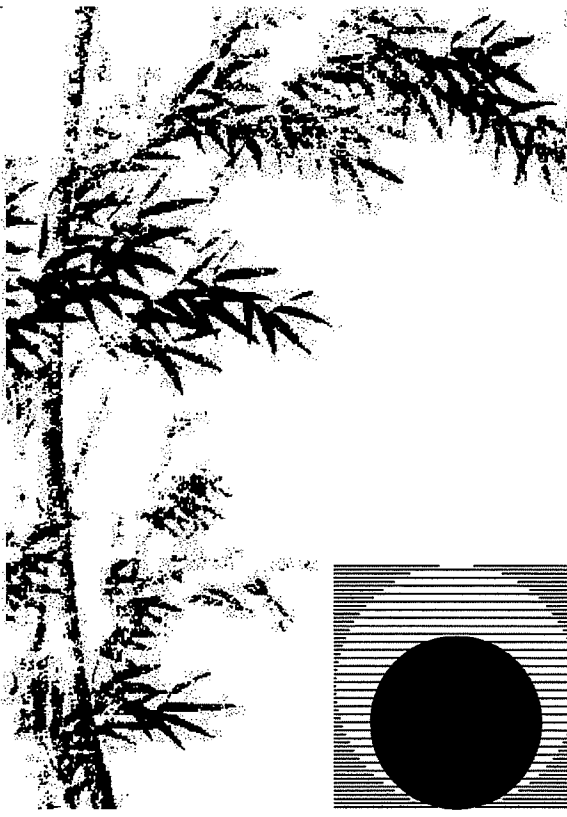
**WIRE KEY**

- ① STRANDED 16/2
- ② STRANDED 16/4
- ③ STRANDED 16/2
- ④ STRANDED 16/8

ALL EQUIPMENT PROVIDED AND INSTALLED BY CONTRACTOR EXCEPT DOOR CONTROLLER WHICH IS PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR

**2 TYPICAL ACCESS CONTROL - LOCKSET**

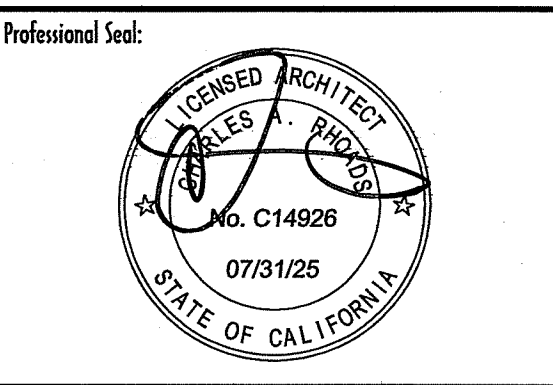
NO SCALE



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Professional Seal:  
Consultant:

Drawing Status:  
**Contract Document**  
Revision Summary:

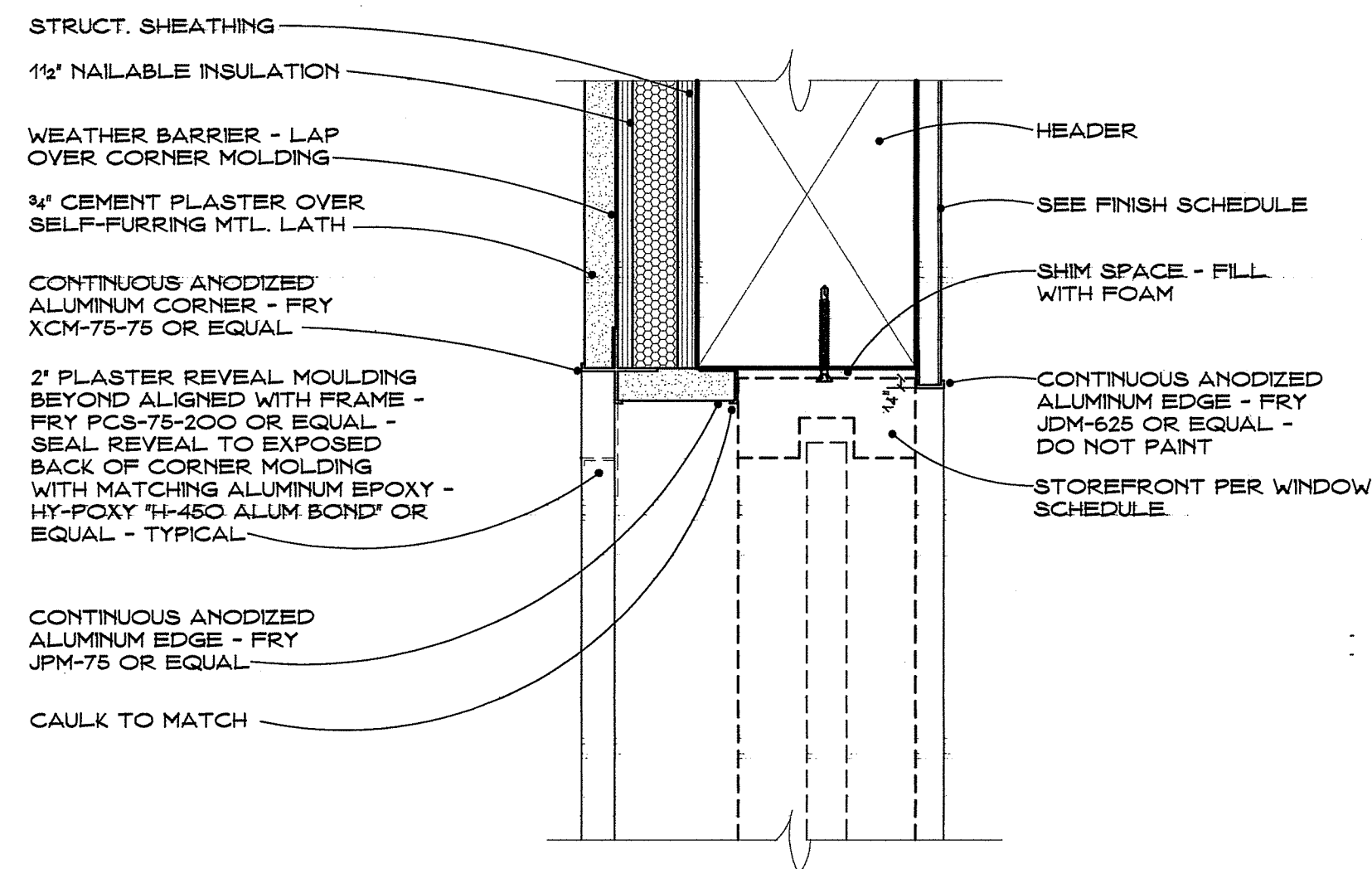
Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Details**

Date: 11/16/23  
Project: 22-102  
Scale: Indicated

Sheet No.: **A6.2**  
Of 26 Sheets

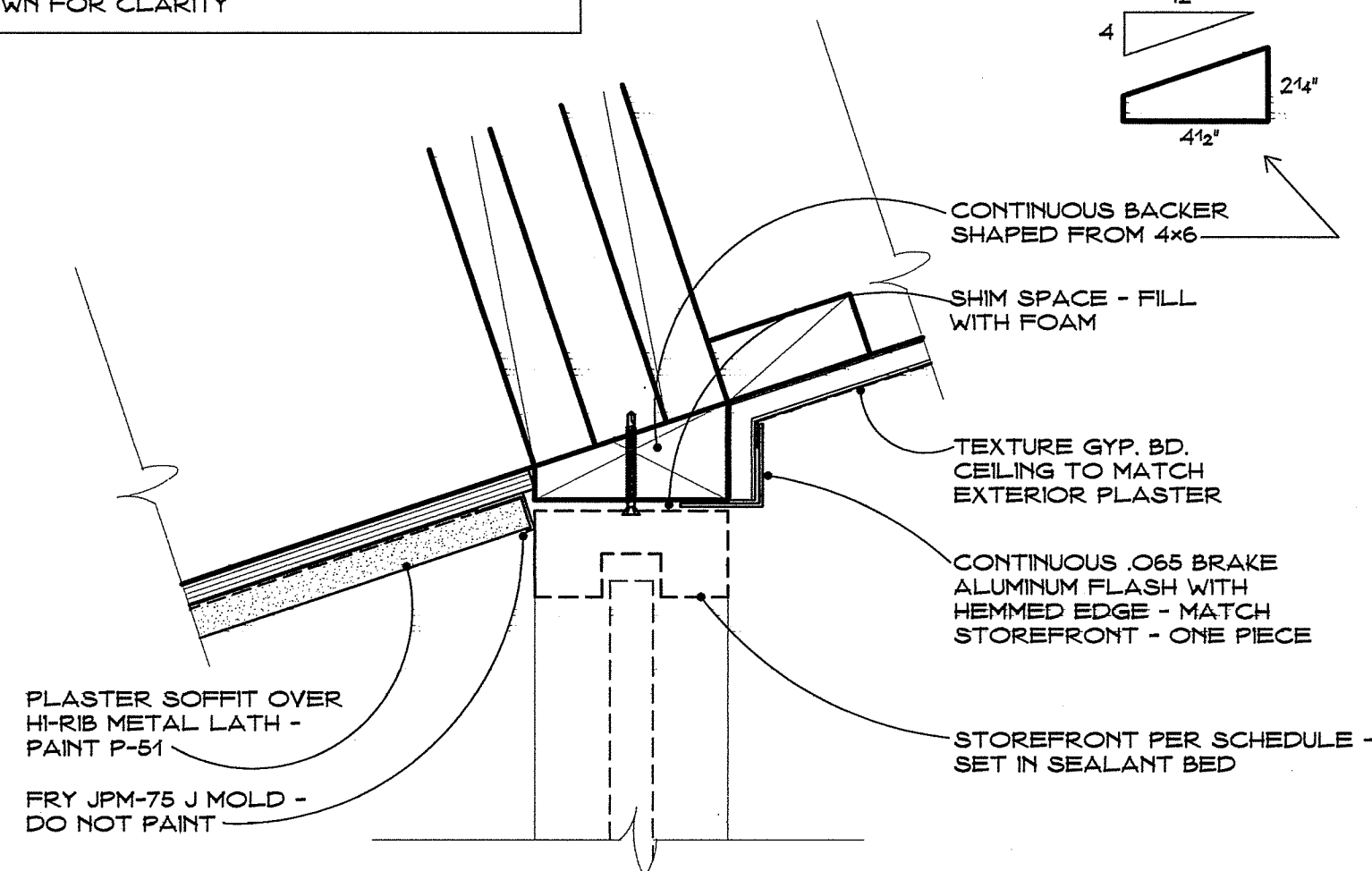
INSTALL 30-MIL FLASHING TAPE SYSTEM PER WEATHER BARRIER MANUFACTURER - NOT SHOWN FOR CLARITY



4 STOREFRONT HEAD AT HIGH WINDOWS

SCALE: 3" = 1'-0"

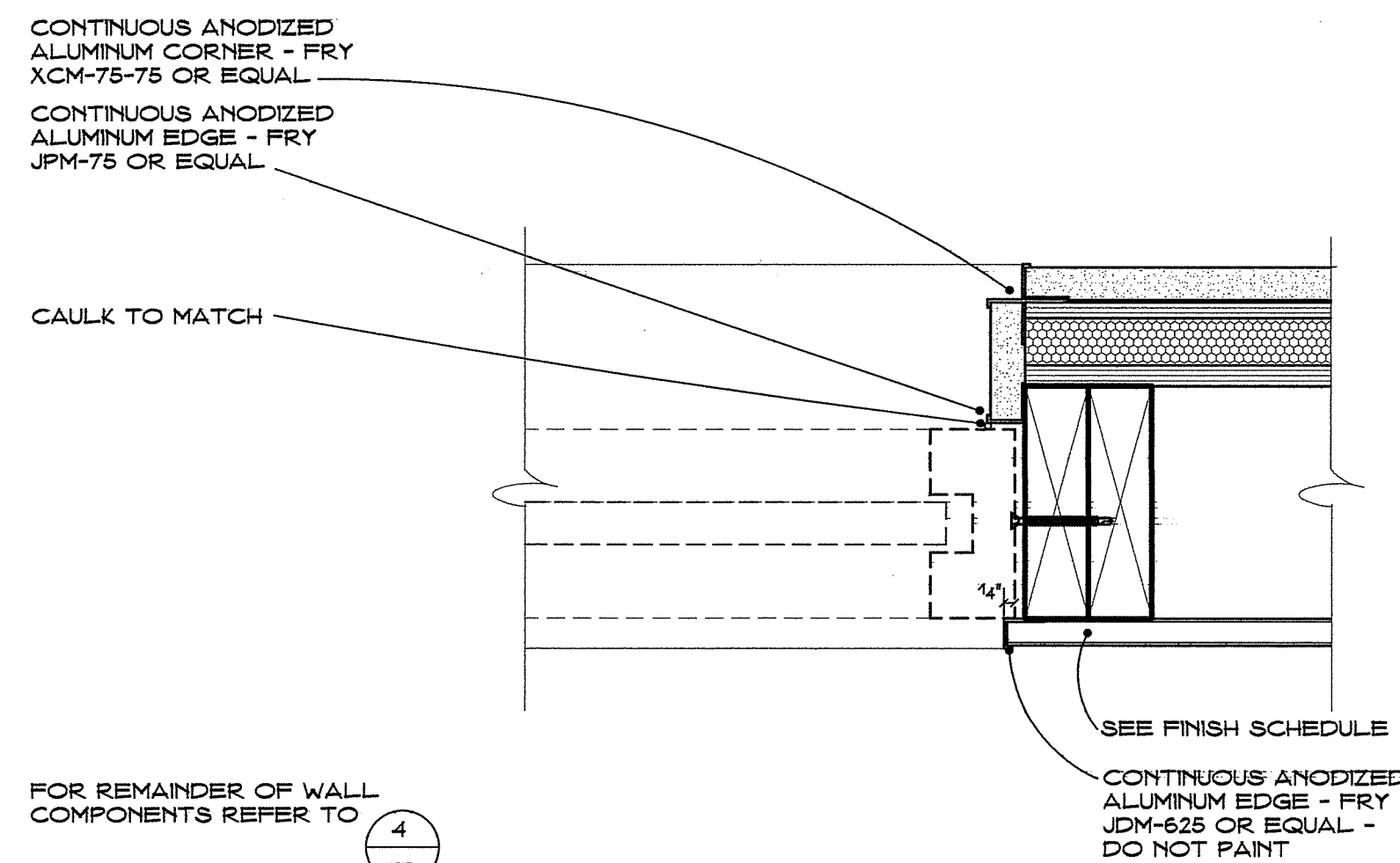
INSTALL 30-MIL FLASHING TAPE SYSTEM PER WEATHER BARRIER MANUFACTURER - NOT SHOWN FOR CLARITY



1 STOREFRONT HEAD AT MAIN ENTRANCE

SCALE: 3" = 1'-0"

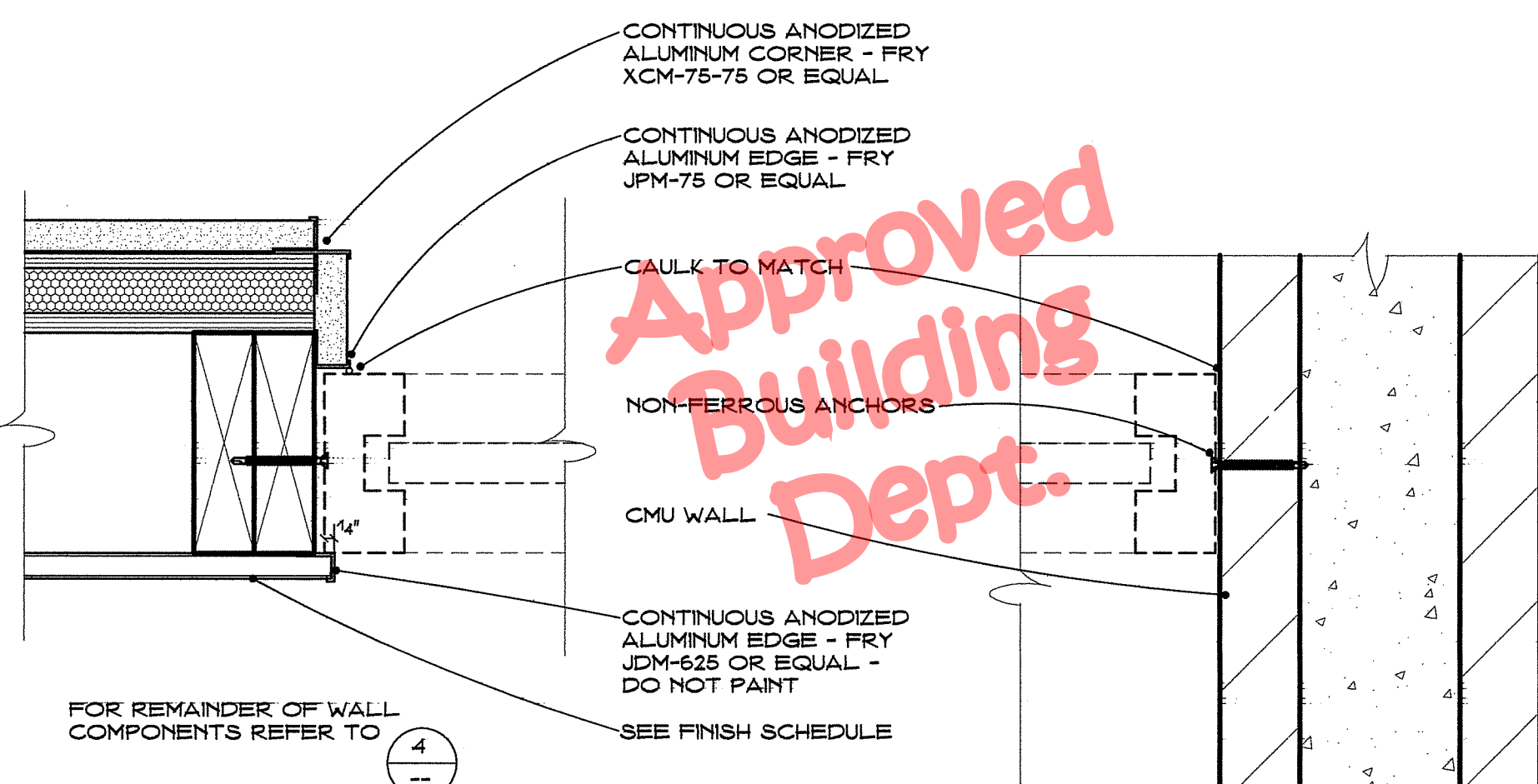
INSTALL 30-MIL FLASHING TAPE SYSTEM PER WEATHER BARRIER MANUFACTURER - NOT SHOWN FOR CLARITY



5 STOREFRONT JAMB AT HIGH WINDOWS

SCALE: 3" = 1'-0"

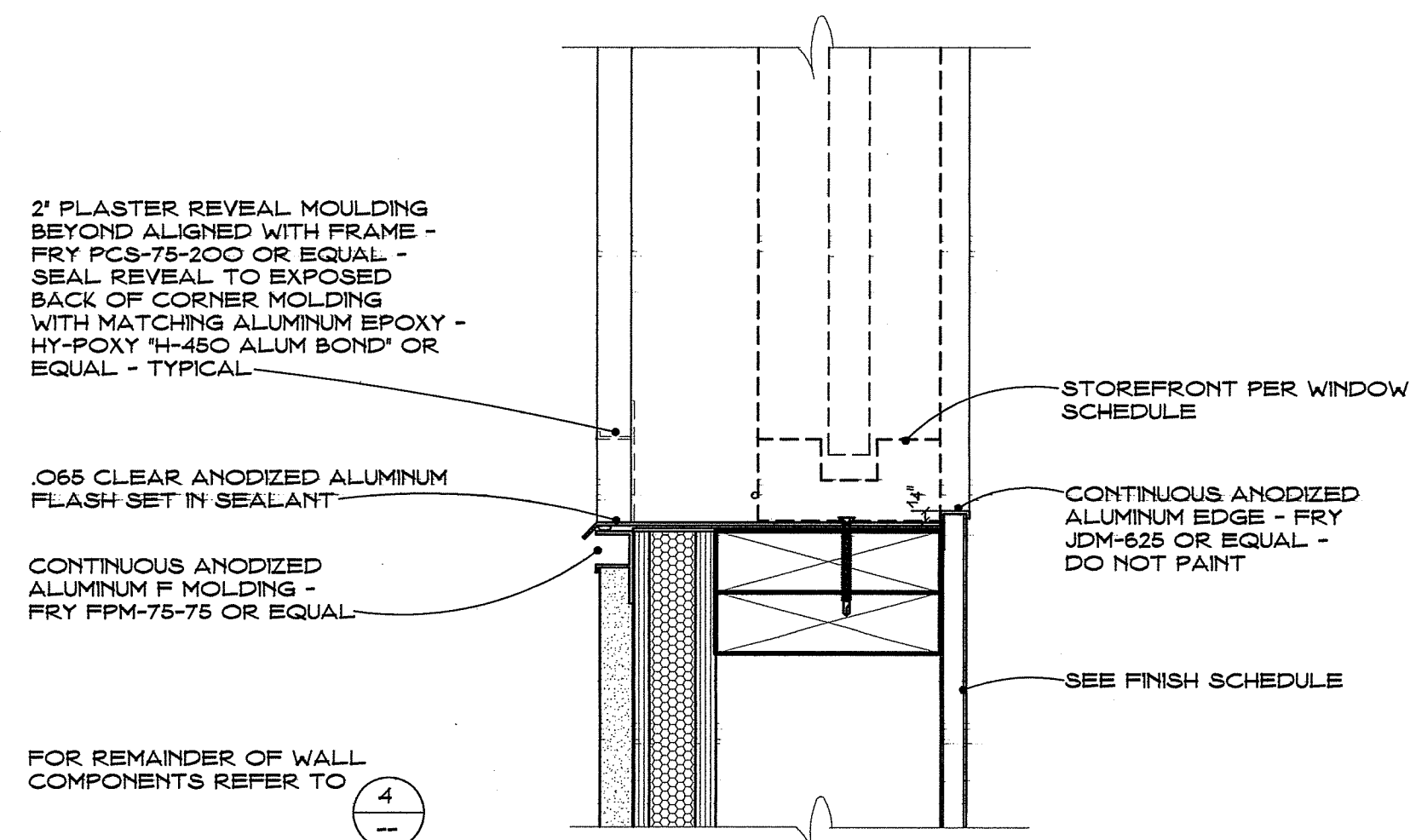
INSTALL 30-MIL FLASHING TAPE SYSTEM PER WEATHER BARRIER MANUFACTURER - NOT SHOWN FOR CLARITY



2 STOREFRONT JAMBS AT MAIN ENTRANCE

SCALE: 3" = 1'-0"

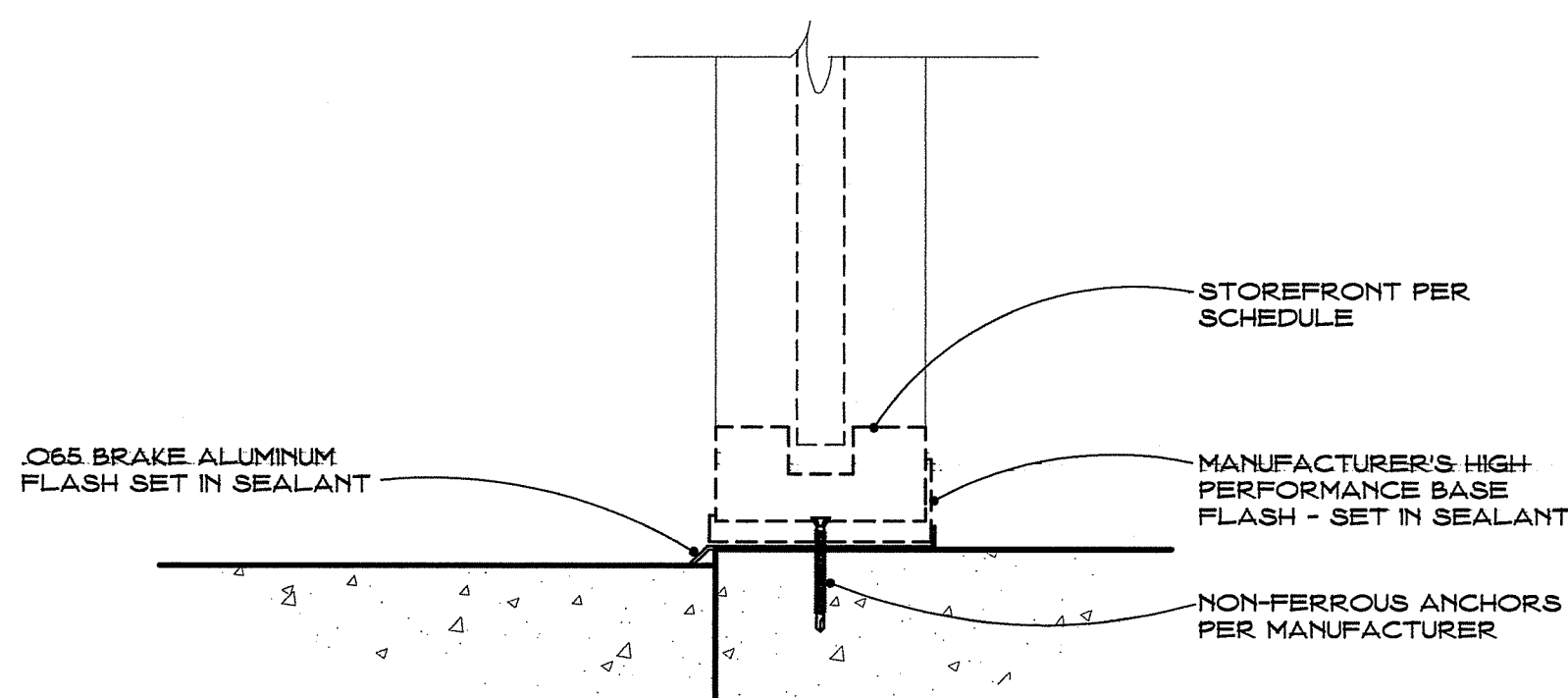
INSTALL 30-MIL FLASHING TAPE SYSTEM PER WEATHER BARRIER MANUFACTURER - NOT SHOWN FOR CLARITY



6 STOREFRONT SILL AT HIGH WINDOWS

SCALE: 3" = 1'-0"

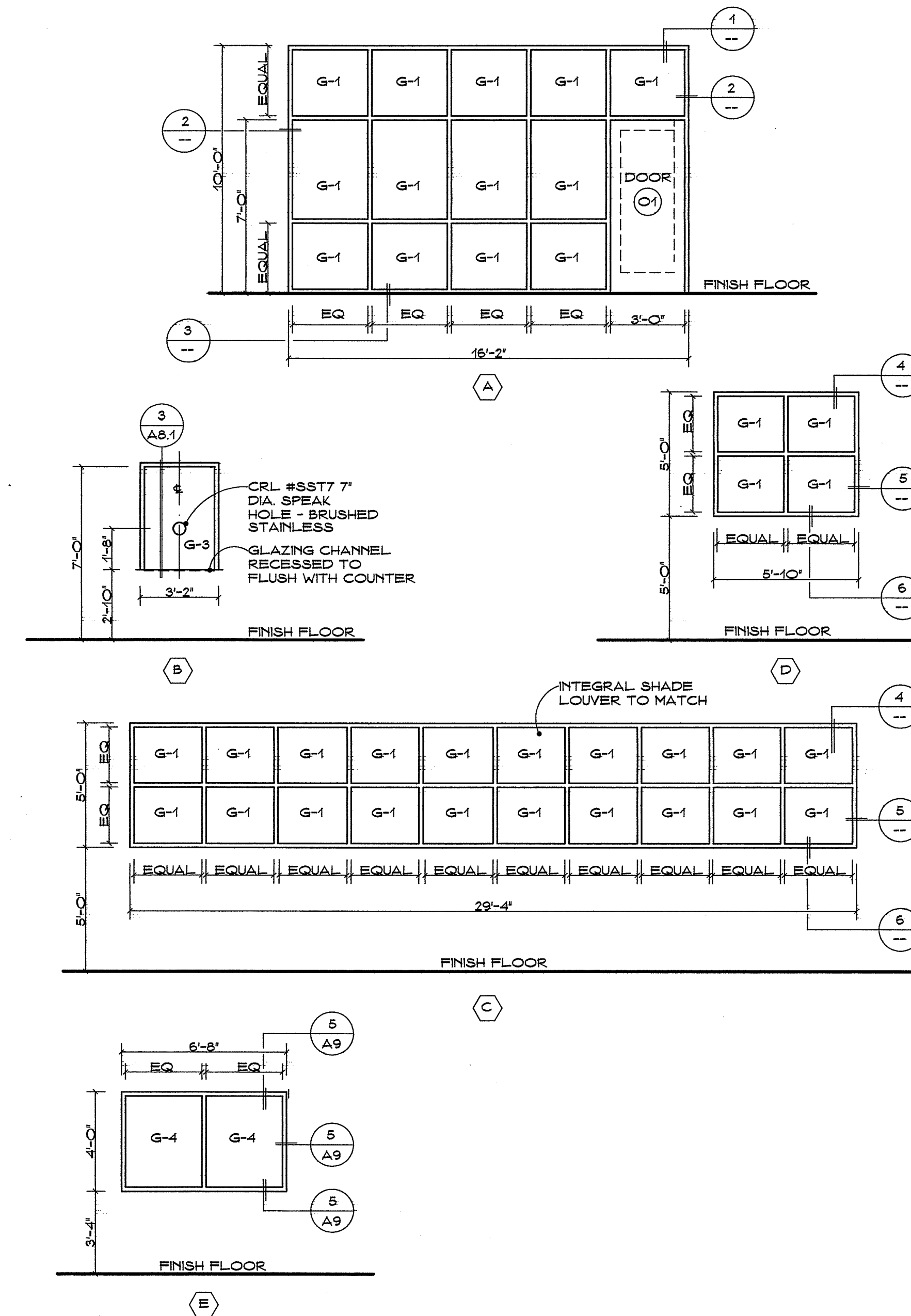
INSTALL 30-MIL FLASHING TAPE SYSTEM PER WEATHER BARRIER MANUFACTURER - NOT SHOWN FOR CLARITY



3 SILL AT MAIN ENTRANCE

SCALE: 3" = 1'-0"

WINDOW SCHEDULE

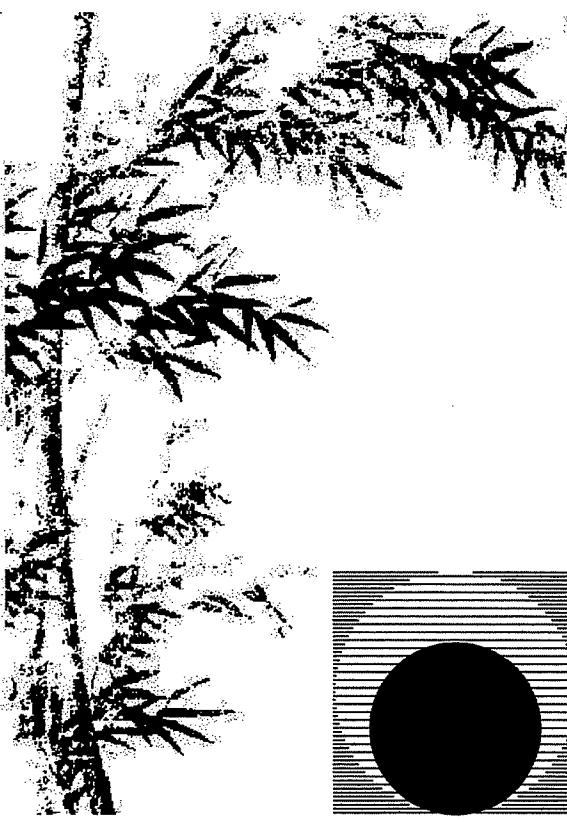


KEY TO WINDOW FRAME TYPES

- (A)(C)(D) 2' x 4 1/2' CENTER-GLAZED ALUMINUM STOREFRONT - DOUBLE THERMAL BREAKS  
ULTRA THERMAL PERFORMANCE - CLOSED BACKS AT PERIMETER  
KAWNEER TRI-FAB 45/UT - OR APPROVED EQUAL  
ANODIZED CLEAR FINISH  
GLAZING AS KEYED
- (B) 2' x 4 1/2' CENTER-GLAZED ALUMINUM STOREFRONT  
KAWNEER TRI-FAB 45/1 - OR APPROVED EQUAL  
ANODIZED CLEAR FINISH  
GLAZING AS KEYED
- (E) 2' x 8' STAINLESS STEEL - TYPE 304  
PER SPECIFICATION SECTION 08110  
NO. 4 SATIN FINISH  
GLAZING AS KEYED

KEY TO GLAZING TYPES

- G-1 1" INSULATED UNIT (TINTED + ENERGY COATED)  
VITRO 'OPTIGRAY' + VITRO 'SOLARBAN 60' CLEAR - OR APPROVED EQUAL  
ALL GLASS LAMINATED
- G-2 1/2" INSULATED UNIT (CLEAR + ACID ETCHED CLEAR)  
VITRO 'CLARIVISTA' + VITRO 'PAVIA CLEAR' - OR APPROVED EQUAL  
ALL GLASS LAMINATED
- G-3 3/8" LAMINATED CLEAR GLASS  
VITRO 'CLARIVISTA' - OR APPROVED EQUAL
- G-4 1" INSULATED UNIT (CLEAR + CLEAR)  
VITRO 'CLARIVISTA' + VITRO 'CLARIVISTA' - OR APPROVED EQUAL  
ALL GLASS LAMINATED

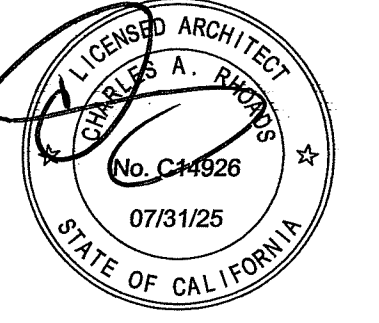


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Professional Seal:



Consultant:

Drawing Status:

Contract Document

Revision Summary:

Project:

**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:

**Window Schedule**  
Details

Date: 11/16/23

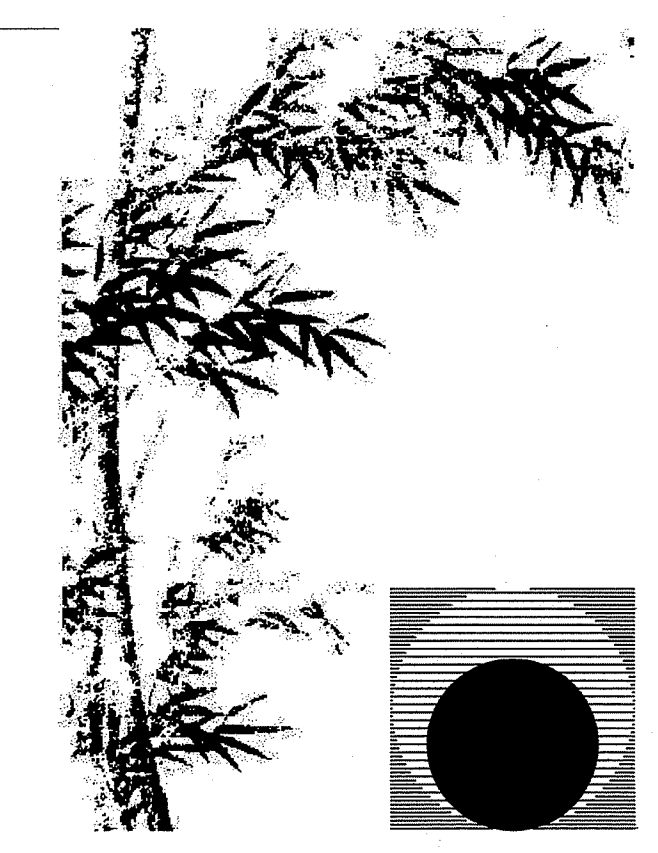
Project: 22-102

Scale: Indicated

Sheet No.:

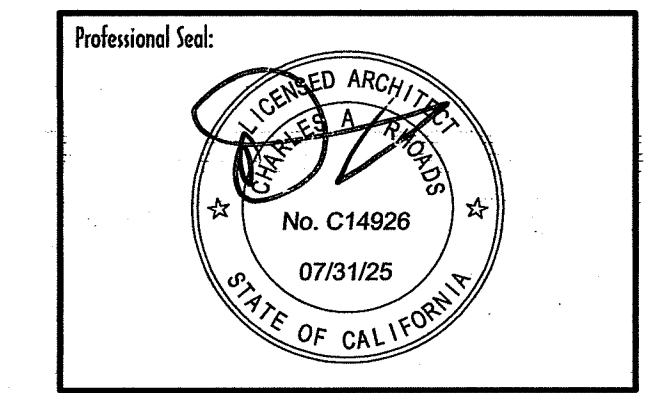
**A7**

Of 26 Sheets



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Consultant:

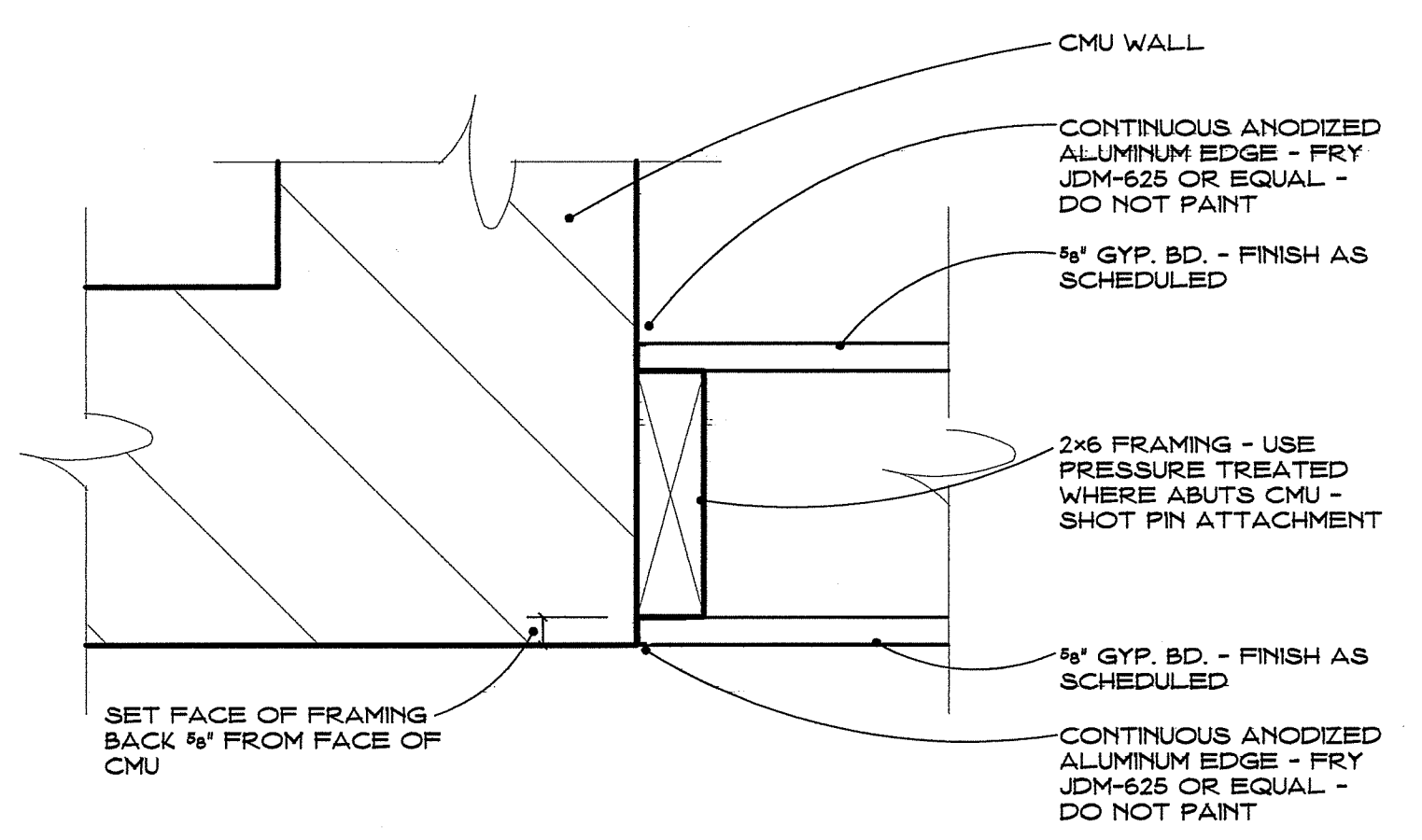
Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

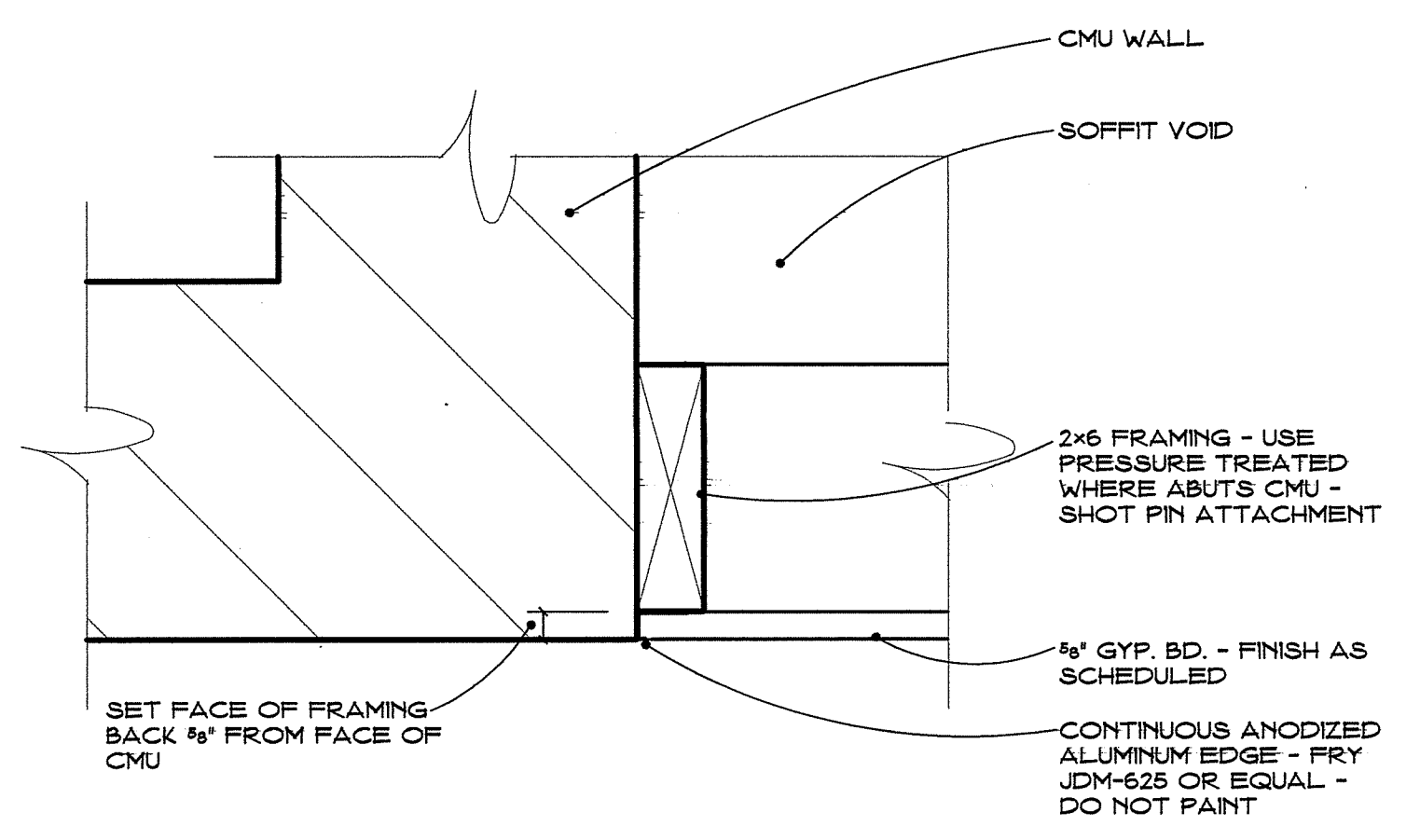
Sheet Description:  
**Interior Elevations**  
 Details

Date: 11/16/23  
 Project: 22-102  
 Scale: 1/4" = 1'  
 Sheet No.: **A8.1**  
 Of 26 Sheets



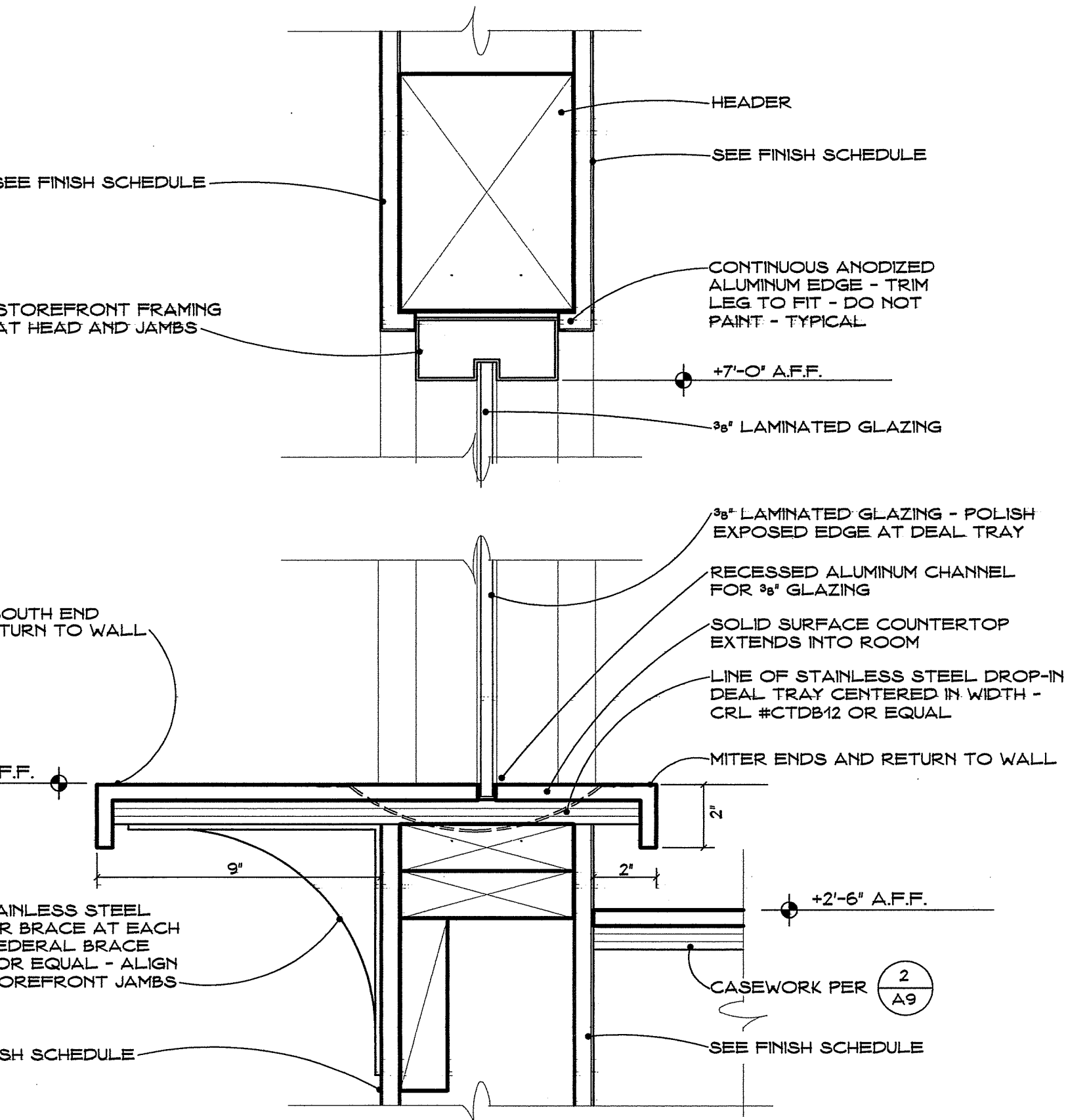
**1 CMU/GYP. BOARD JOINT**

SCALE: 3" = 1'-0"



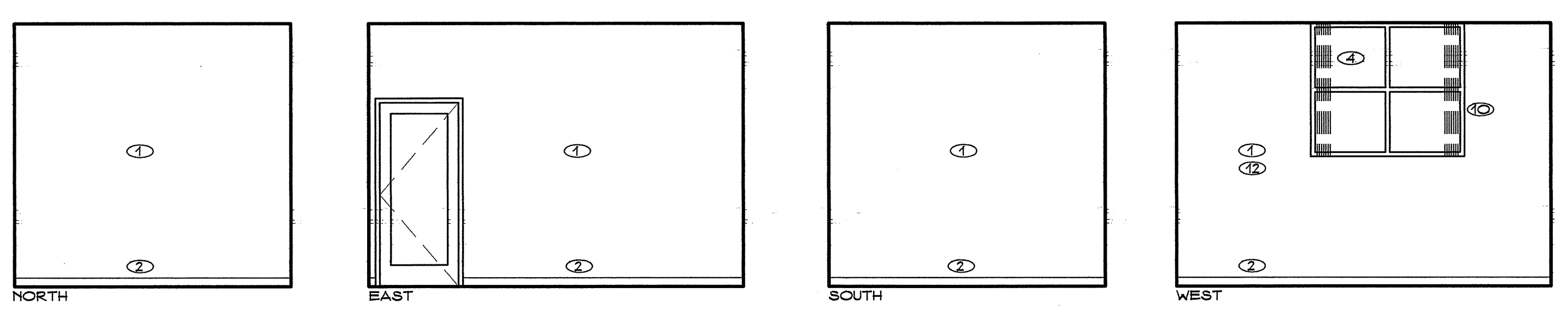
**2 CMU/GYP. BOARD JOINT**

SCALE: 3" = 1'-0"



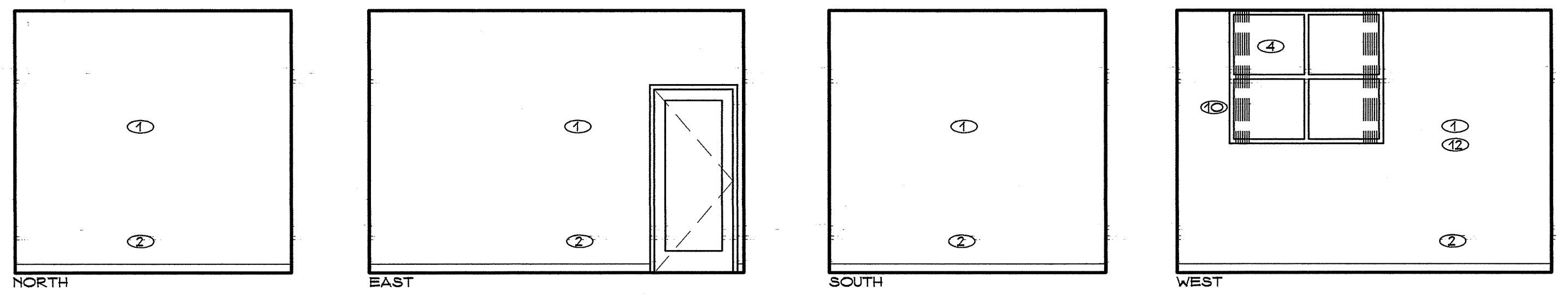
**3 RECEPTION WINDOW & COUNTER**

SCALE: 3" = 1'-0"



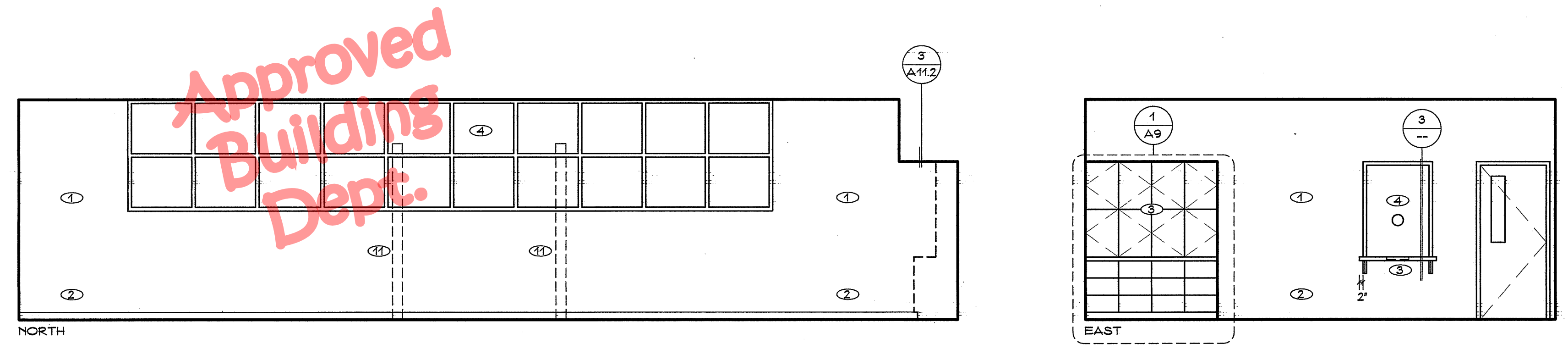
**O1 OFFICE 1**

SCALE: 1/4" = 1'-0"



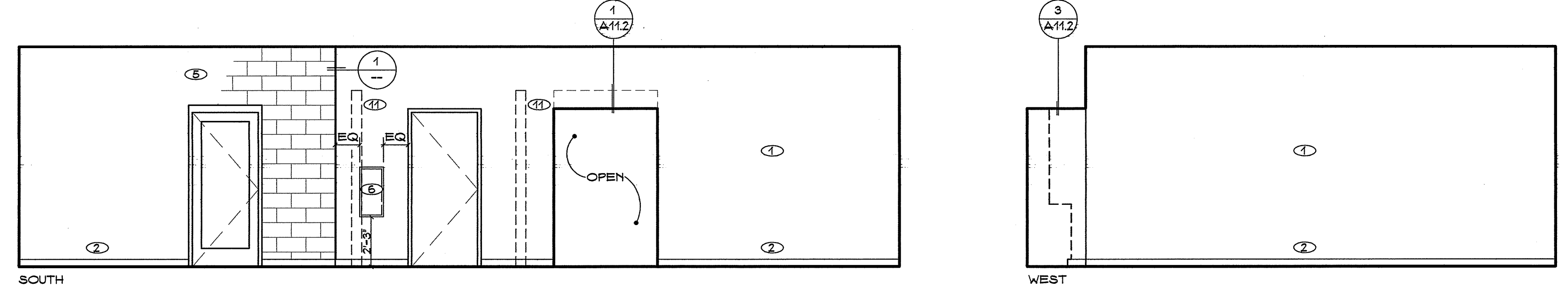
**O2 OFFICE 2**

SCALE: 1/4" = 1'-0"



**O3/13 OPEN OFFICE**

SCALE: 1/4" = 1'-0"

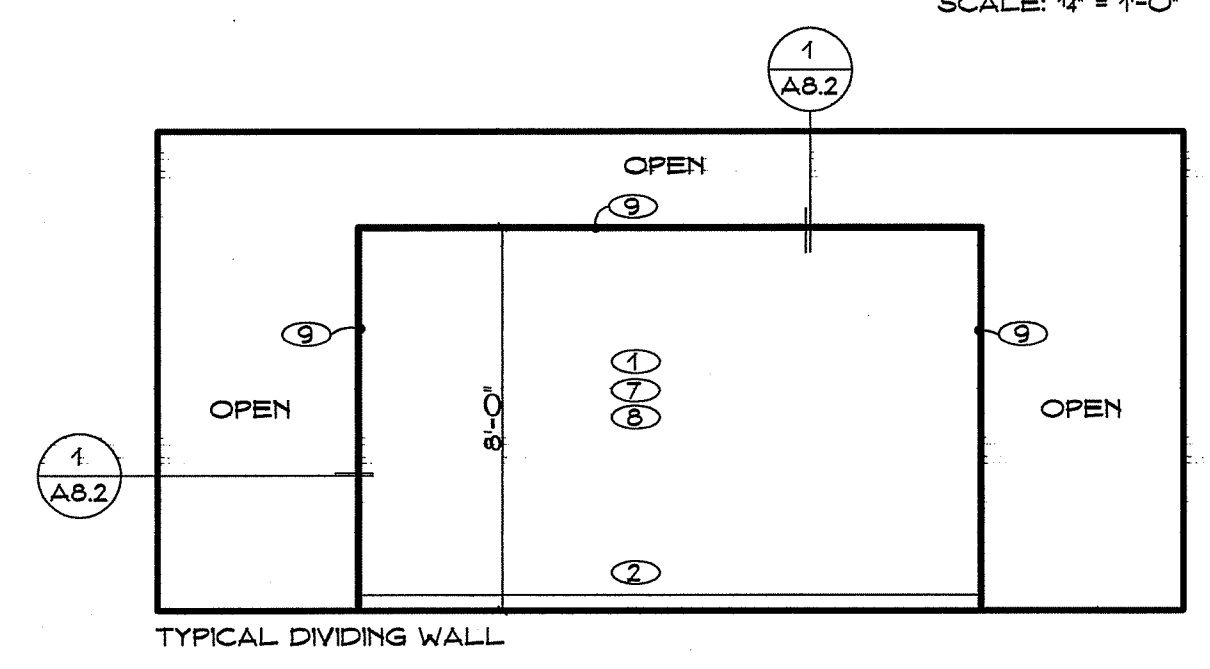


**O3/13 OPEN OFFICE**

SCALE: 1/4" = 1'-0"

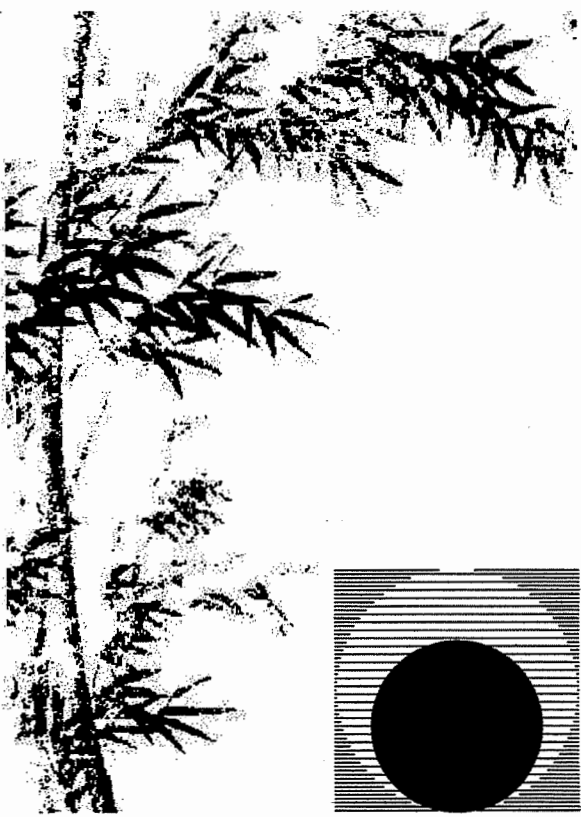
**KEY NOTES (THIS SHEET ONLY)**

- ① FINISH AS SCHEDULED
- ② TOPSET BASE AS SCHEDULED
- ③ PLASTIC LAMINATE WOODWORK AS DETAILED
- ④ ALUMINUM STOREFRONT SYSTEM
- ⑤ GROUND FACE CMU WITH TOOLED JOINTS AND CLEAR FINISH
- ⑥ RECESSED EXTINGUISHER CABINET
- ⑦ SMOOTH FINISH ALL SURFACES
- ⑧ PAINT ALL SURFACES METALLIC ACCENT COLOR
- ⑨ 1x HARDWOOD CAP FINISHED FLUSH WITH FACE OF WALL
- ⑩ VERTICAL BLINDS PER SPECIFICATIONS SECTION 10050
- ⑪ LINE OF DIVIDING WALL PER PLAN
- ⑫ PAINT WALL ACCENT COLOR



**O3/13 OPEN OFFICE**

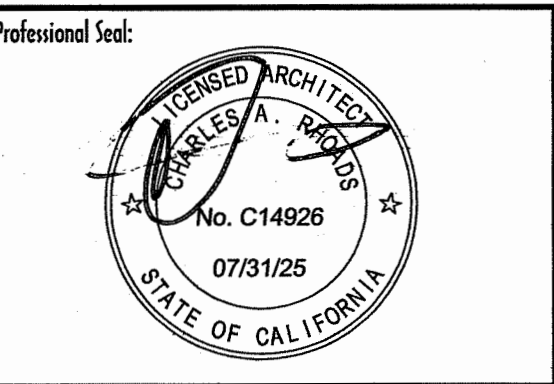
SCALE: 1/4" = 1'-0"



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Consultant:

Drawing Status:

**Contract Document**

Revision Summary:

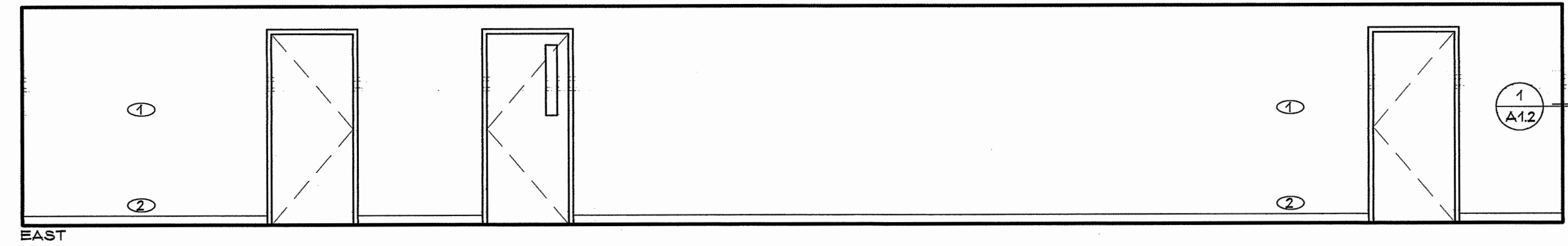
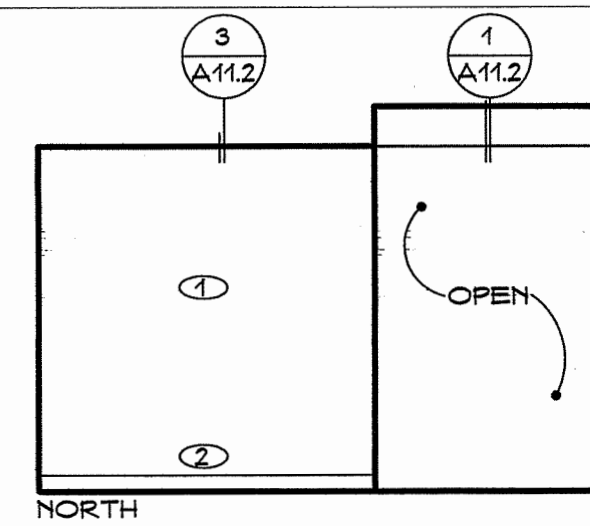

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Interior Elevations  
Details**

Date: 11/16/23  
Project: 22-102  
Scale: 1/4" = 1'  
Sheet No.: **A8.2**  
Of 26 Sheets

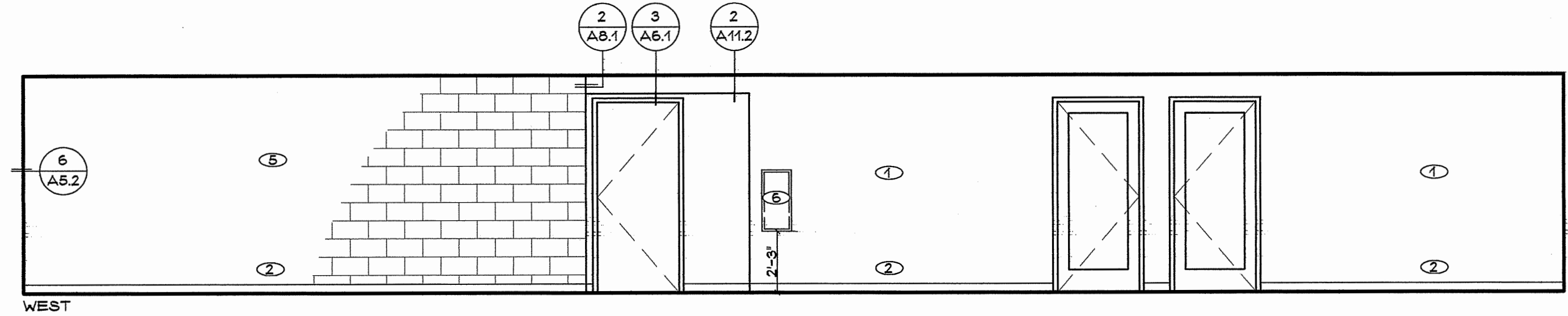
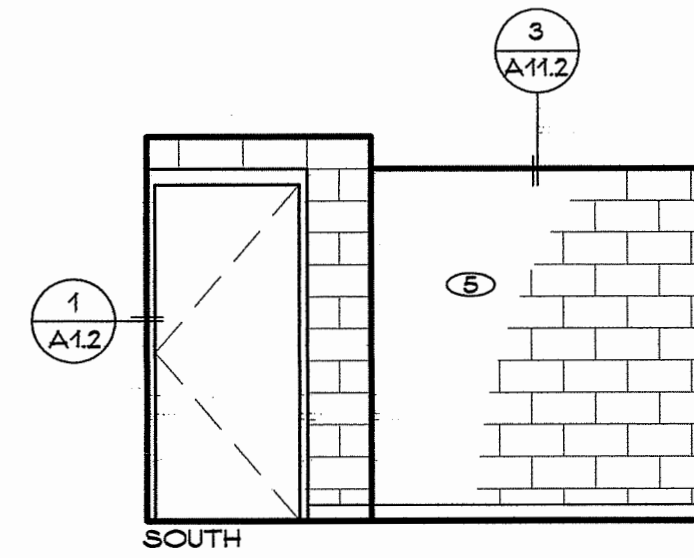
**KEY NOTES (THIS SHEET ONLY)**

- ① FINISH AS SCHEDULED
- ② TOPSET BASE AS SCHEDULED
- ③ PLASTIC LAMINATE WOODWORK AS DETAILED
- ④ ALUMINUM STOREFRONT SYSTEM
- ⑤ GROUND FACE CMU WITH TOOLED JOINTS AND CLEAR FINISH
- ⑥ RECESSED EXTINGUISHER CABINET
- ⑦ COMMON FACE CMU WITH TOOLED JOINTS AND OPAQUE FINISH
- ⑧ PHENOLIC LOCKERS PER SPECIFICATIONS SECTION 10050
- ⑨ 1/2" FIRE-RESISTANT PLYWOOD
- ⑩ HEATING/COOLING UNIT PER MECHANICAL DRAWINGS
- ⑪ 24"x60" WIRE SHELVING PER SPECIFICATIONS SECTION 10050
- ⑫ 24"x48" WIRE SHELVING PER SPECIFICATIONS SECTION 10050
- ⑬ LIGHT FIXTURE PER ELECTRICAL DRAWINGS
- ⑭ HVAC GRILLE - PAINT TO MATCH WALL
- ⑮ PAINT WALL ACCENT COLOR



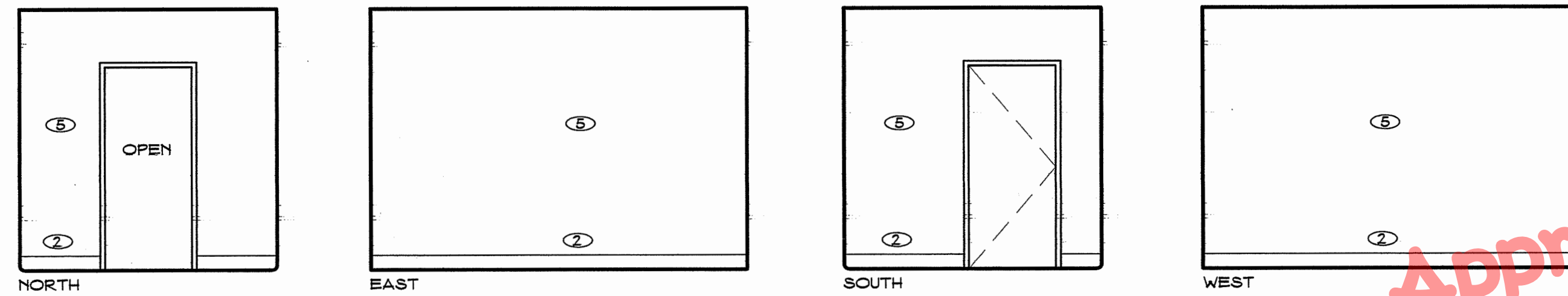
O5 CORRIDOR

SCALE: 1/4" = 1'-0"



O5 CORRIDOR

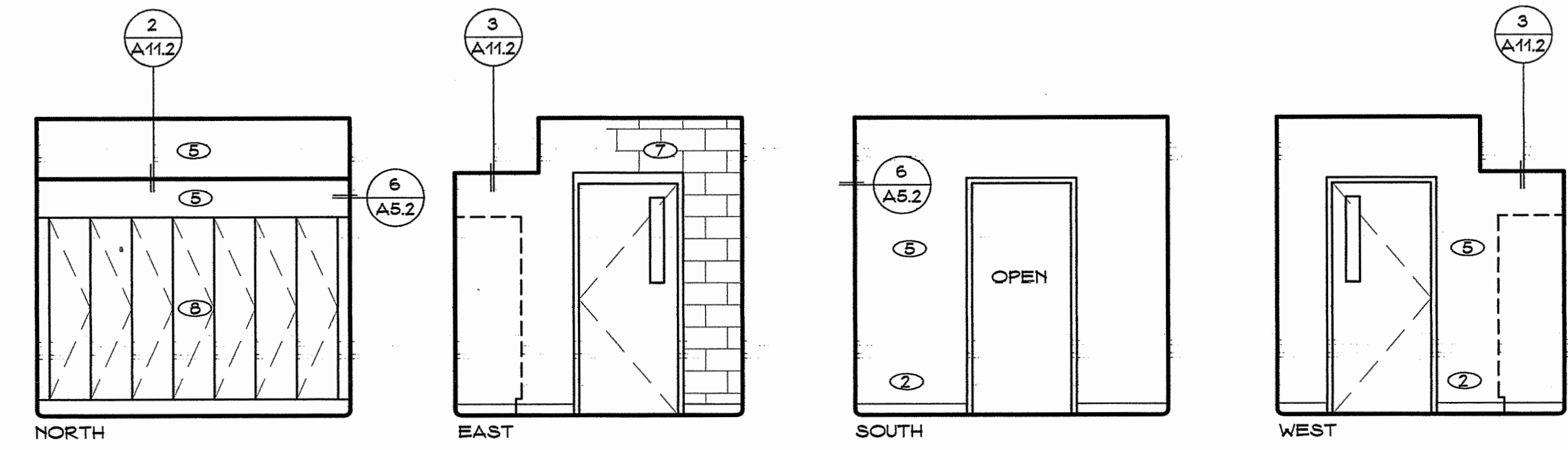
SCALE: 1/4" = 1'-0"



O9 PREP ROOM

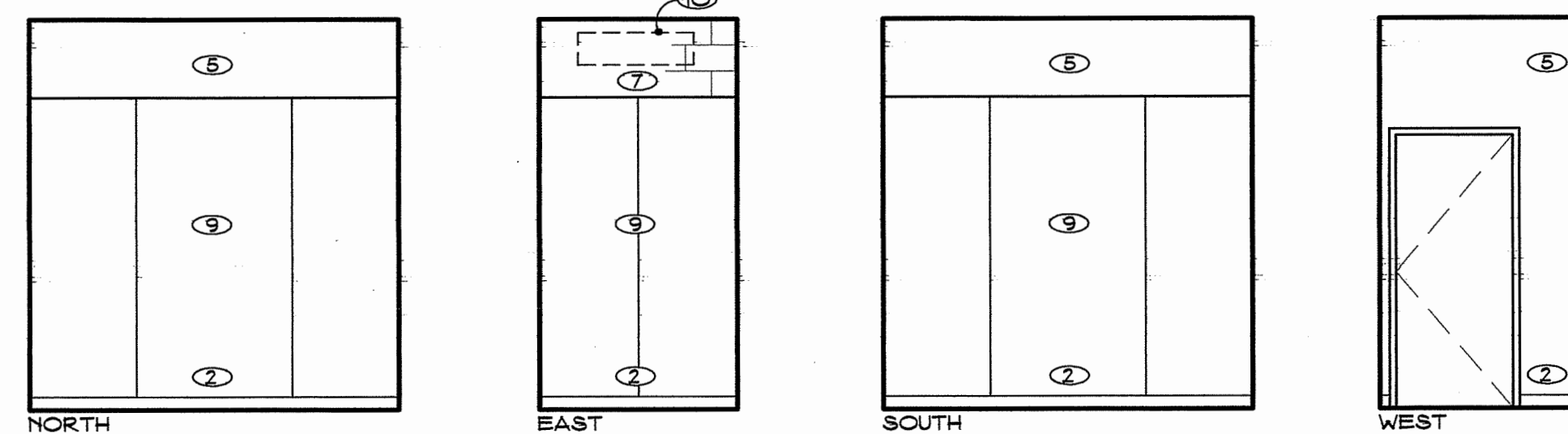
Approved  
Building  
Dept.

SCALE: 1/4" = 1'-0"



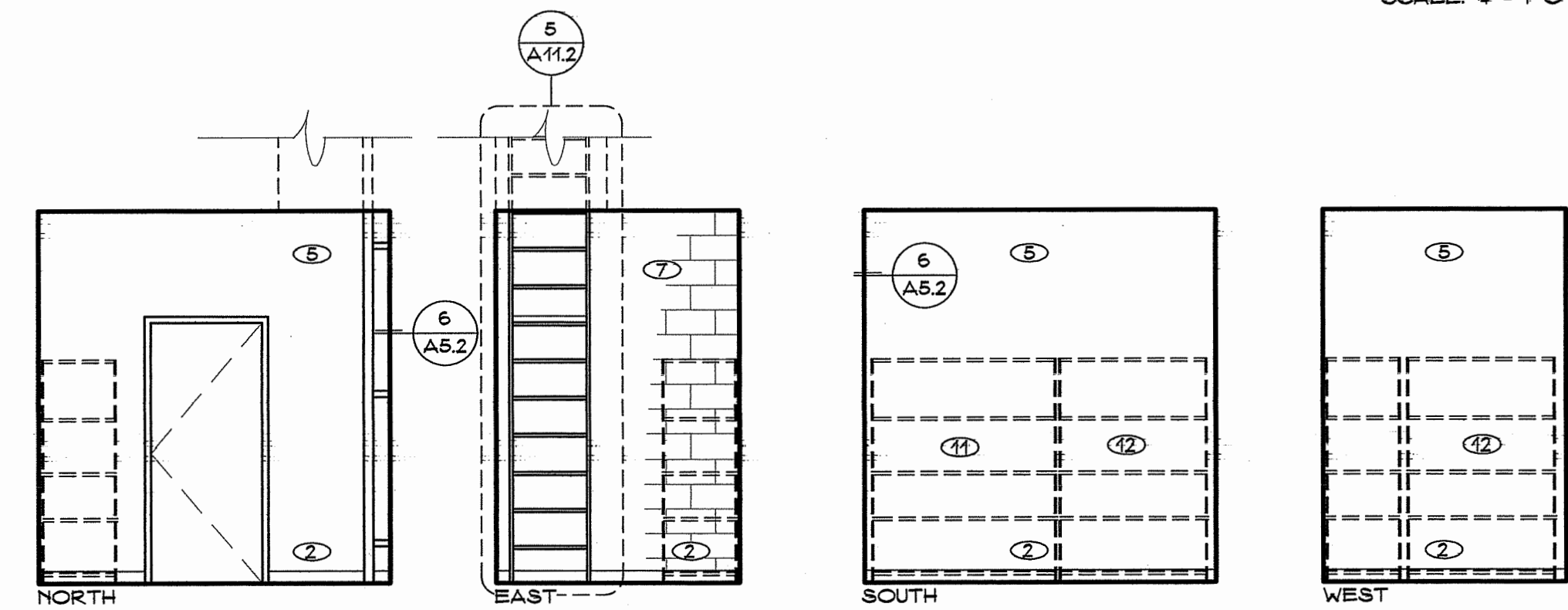
O10 LOCKER ROOM

SCALE: 1/4" = 1'-0"



O11 I.T. CLOSET

SCALE: 1/4" = 1'-0"

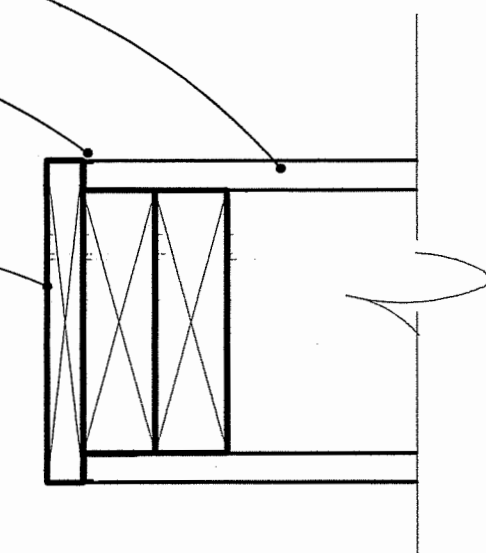


O12 STORAGE

SCALE: 1/4" = 1'-0"

5/8" GYP. BD. - SMOOTH FINISH - PAINT METALLIC ACCENT COLOR  
CONTINUOUS EDGE TRIM - PAINT TO MATCH WALL

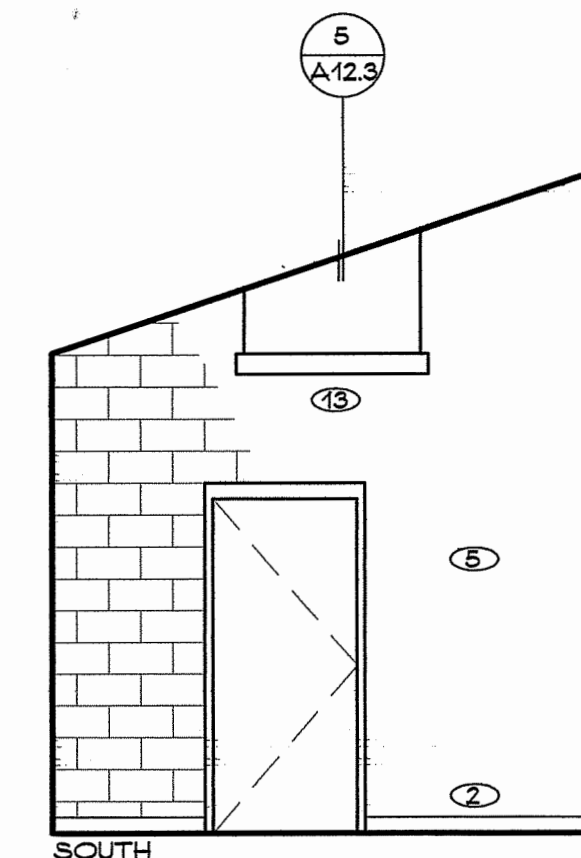
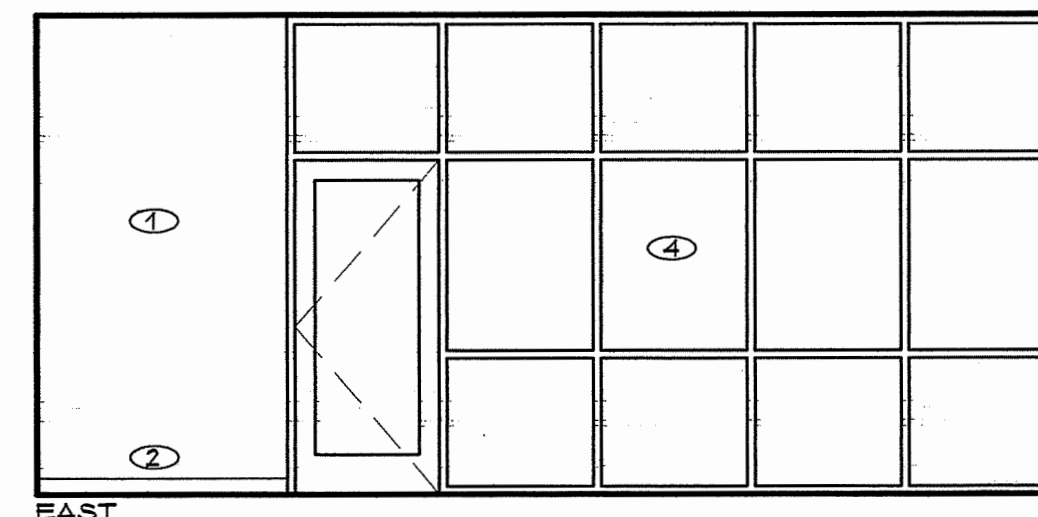
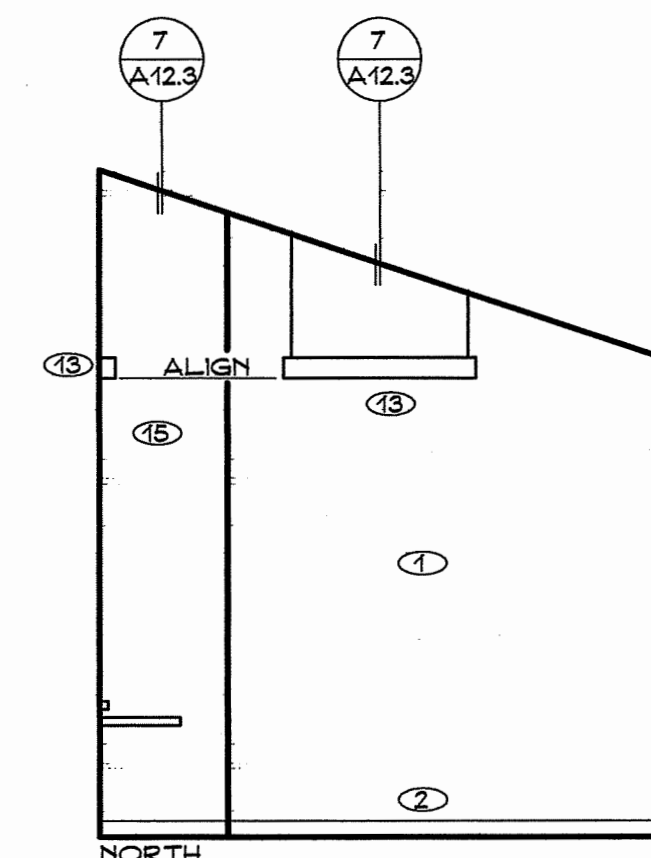
1X HARDWOOD CAP - MITER ALL JOINTS - PAINT TO MATCH WALL



1 CAP AT LOW WALL

SCALE: 3/4" = 1'-0"

JAMB SHOWN - HEAD SIMILAR

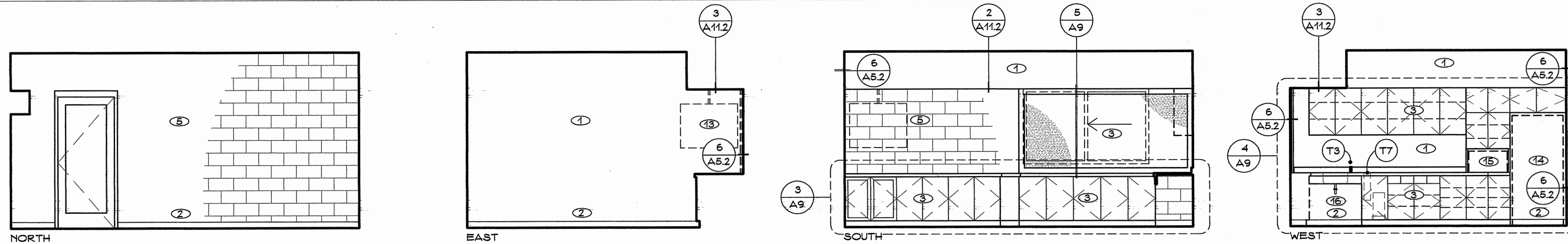


O14 LOBBY

SCALE: 1/4" = 1'-0"

KEY NOTES (THIS SHEET ONLY)

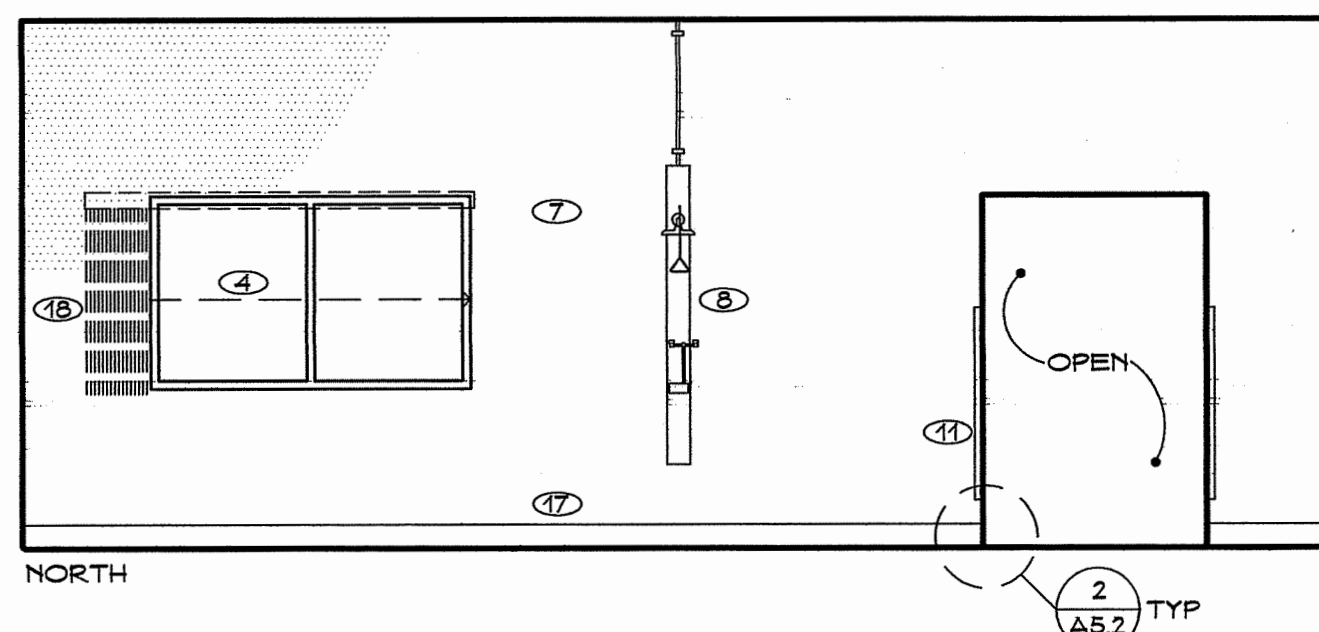
- ① FINISH AS SCHEDULED
- ② TOPSET BASE AS SCHEDULED
- ③ PLASTIC LAMINATE CASEWORK AS DETAILED
- ④ STAINLESS STEEL WINDOW
- ⑤ GROUND FACE CMU WITH TOOLED JOINTS AND CLEAR FINISH
- ⑥ STAINLESS STEEL FRAME AND DOOR
- ⑦ COMMON FACE CMU WITH FLUSH JOINTS AND EPOXY WALL COATING
- ⑧ EQUIPMENT PER SHEET EQ1 - VERIFY AND PROVIDE REQUIRED UTILITY CONNECTIONS
- ⑨ SURFACE MOUNTED EXTINGUISHER CABINET
- ⑩ STAINLESS STEEL WALK-IN PANELS, PERIMETER TRIM AND ENTRY DOOR PER SHEET EQ-1
- ⑪ STAINLESS STEEL CORNER GUARDS PER (1) A5.2
- ⑫ EXPOSED STAINLESS STEEL EXHAUST DUCT RISERS PER MECHANICAL - CONNECT TO AUTOPSY STATION
- ⑬ VIDEO MONITOR PER SHEET EQ2
- ⑭ REFRIGERATOR PER SPECIFICATIONS SECTION 11450
- ⑮ MICROWAVE PER SPECIFICATIONS SECTION 11450
- ⑯ PRE-FORMED INSULATION ON ALL EXPOSED PIPING
- ⑰ 6" INTEGRAL COVE BASE PER (4) A5.2
- ⑱ VERTICAL BLINDS PER SPECIFICATIONS SECTION 10050
- ⑲ PRESSURE WASH REMOTE STATION PER (2) A8.5
- ⑳ REQUIRED EQUIPMENT PER SHEET EQ1
- ㉑ 10' LONG WIRE WALL SHEVING PER SPECIFICATIONS 10050



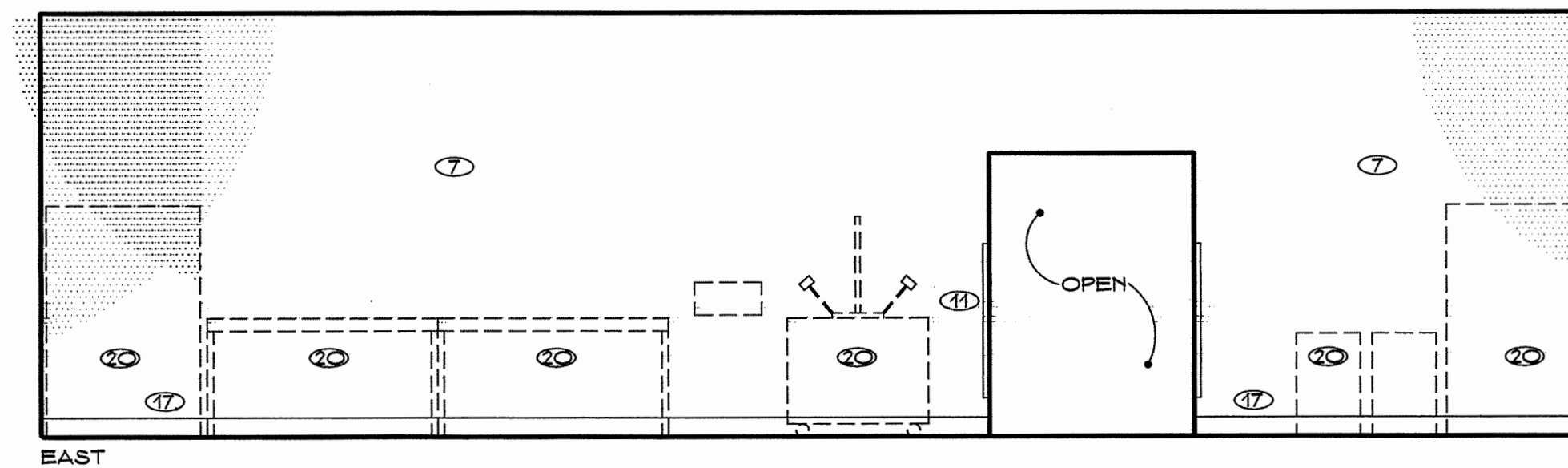
15 MEETING ROOM

T- REFER TO SPECIFICATIONS SECTION 10800 FOR KEY TO ACCESSORIES

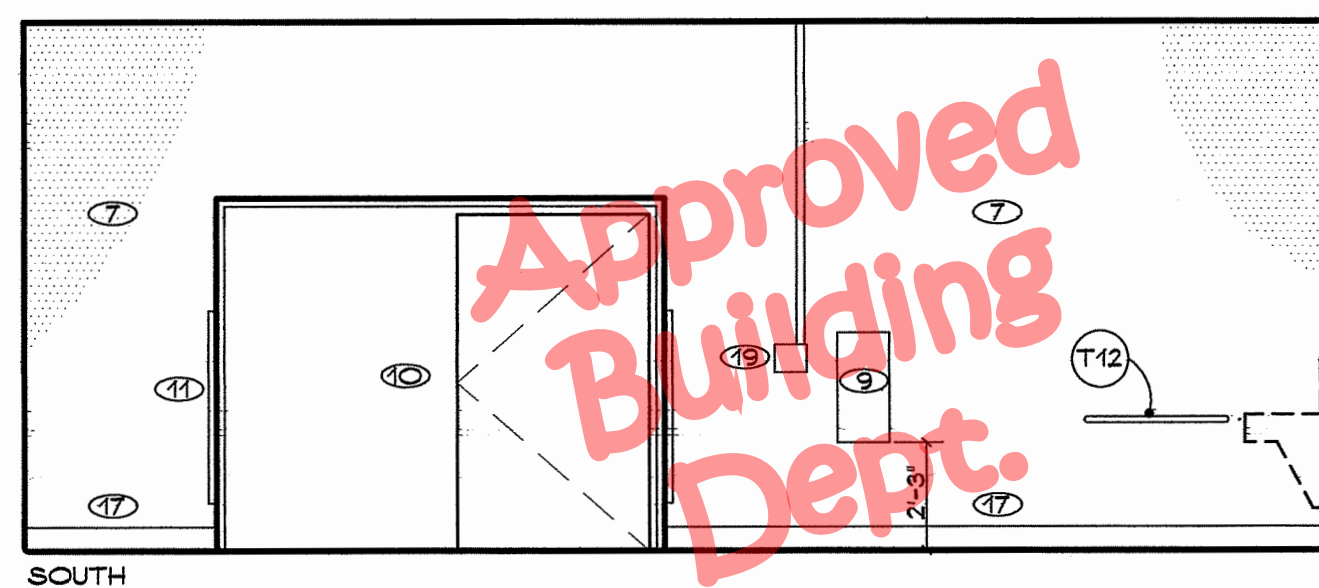
SCALE: 1/4" = 1'-0"



17 AUTOPSY



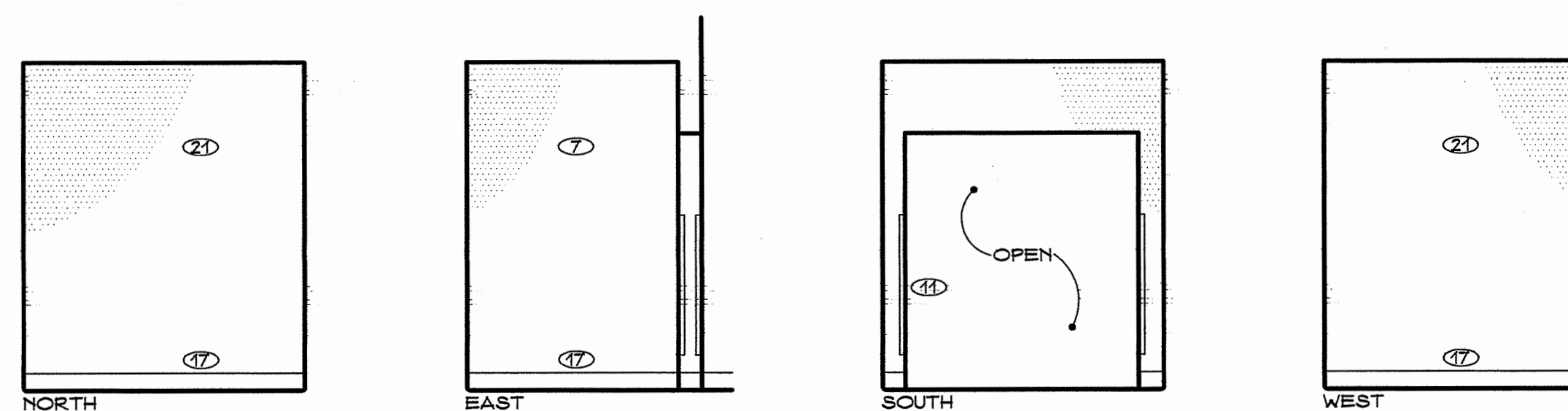
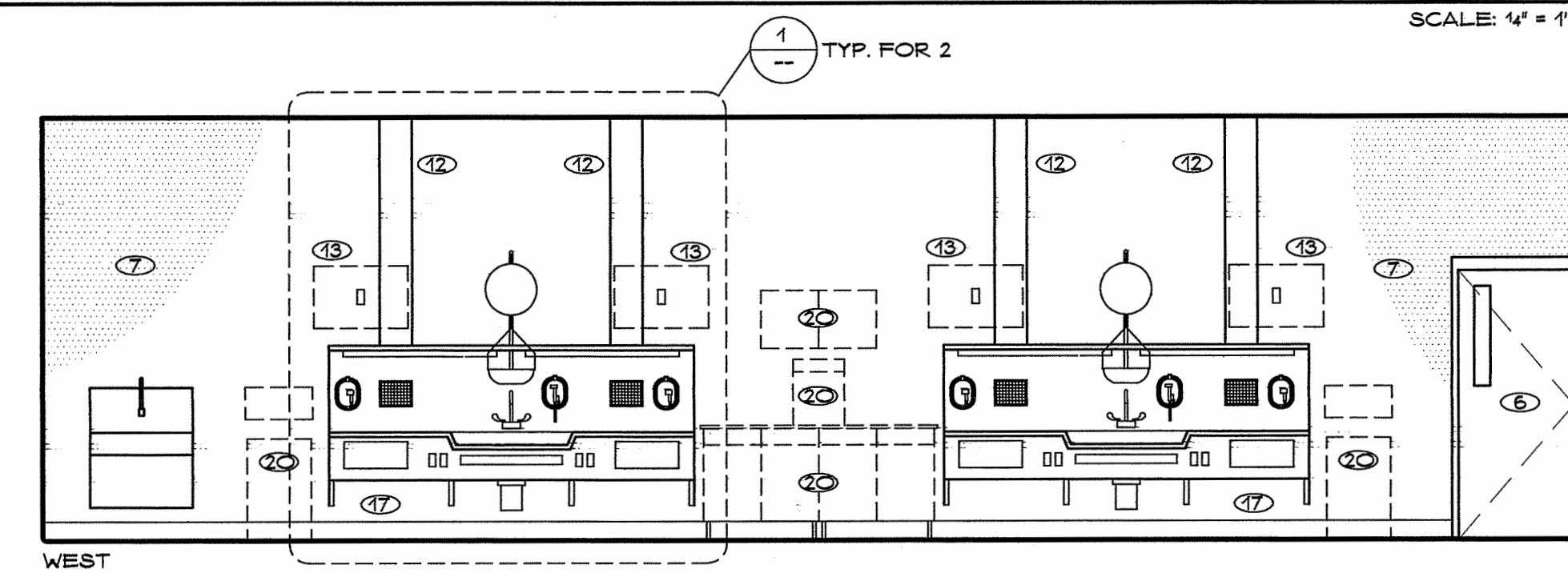
SCALE: 1/4" = 1'-0"



17 AUTOPSY

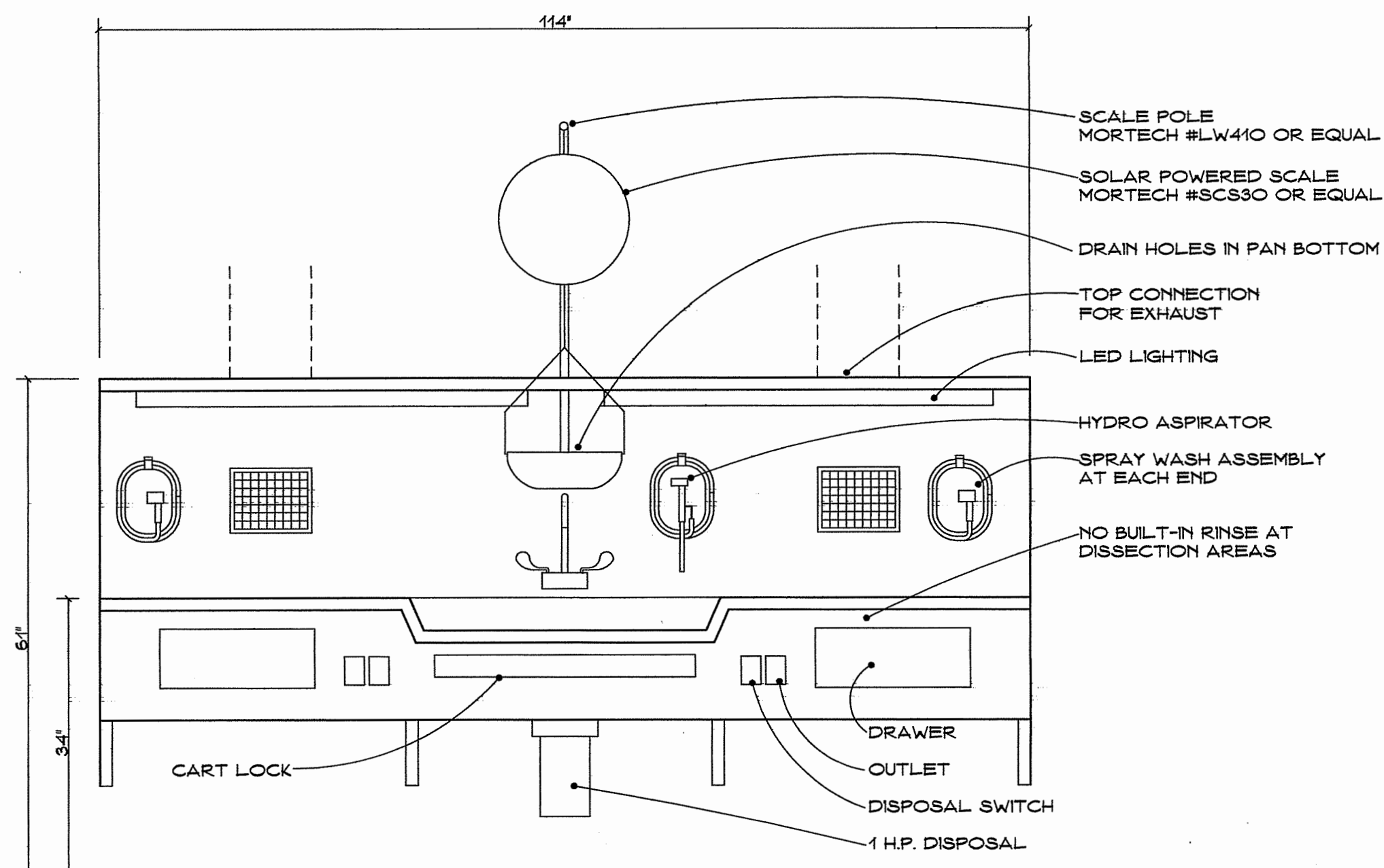
T- REFER TO SPECIFICATIONS SECTION 10800 FOR KEY TO ACCESSORIES

SCALE: 1/4" = 1'-0"



18 X-RAY STORAGE

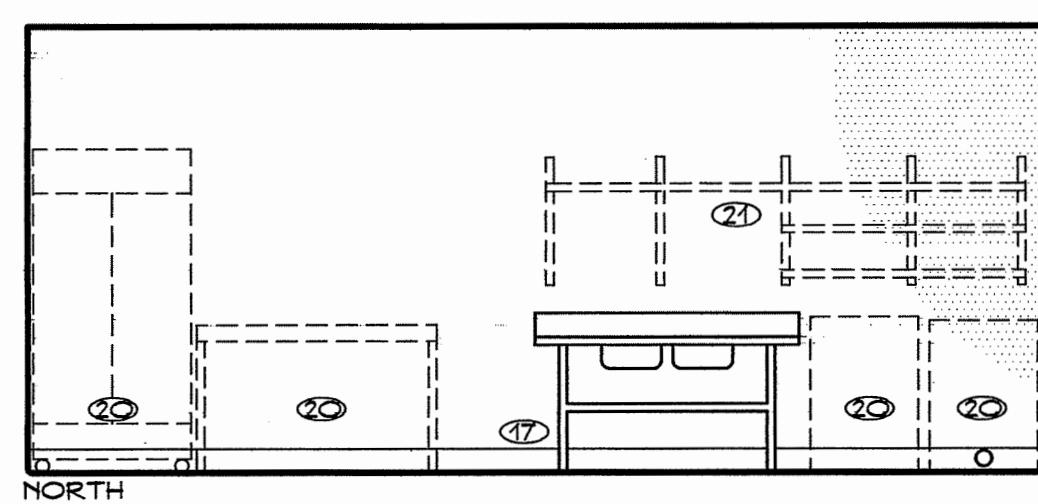
SCALE: 1/4" = 1'-0"



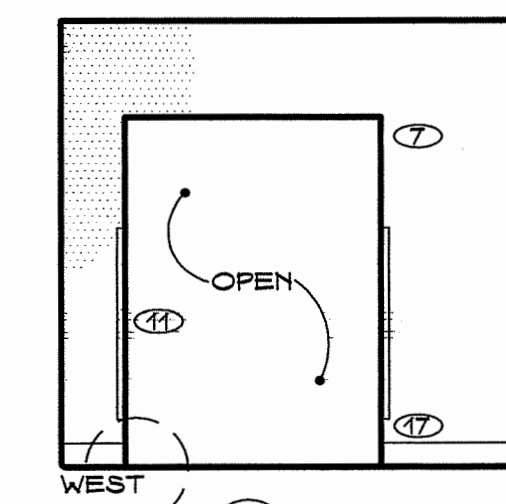
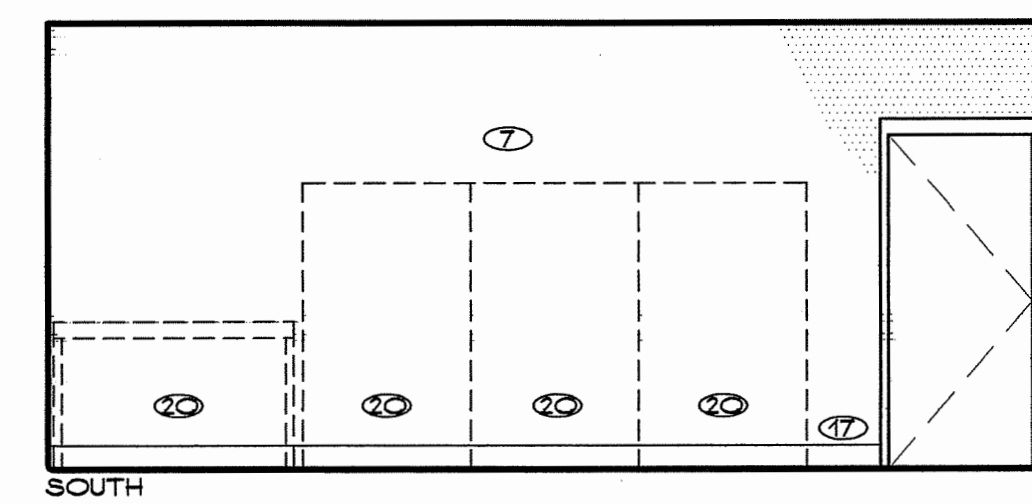
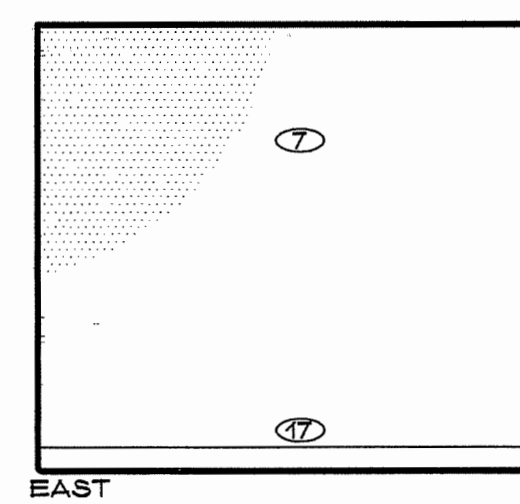
1 WALL-HUNG AUTOPSY STATION

SCALE: 1/4" = 1'-0"

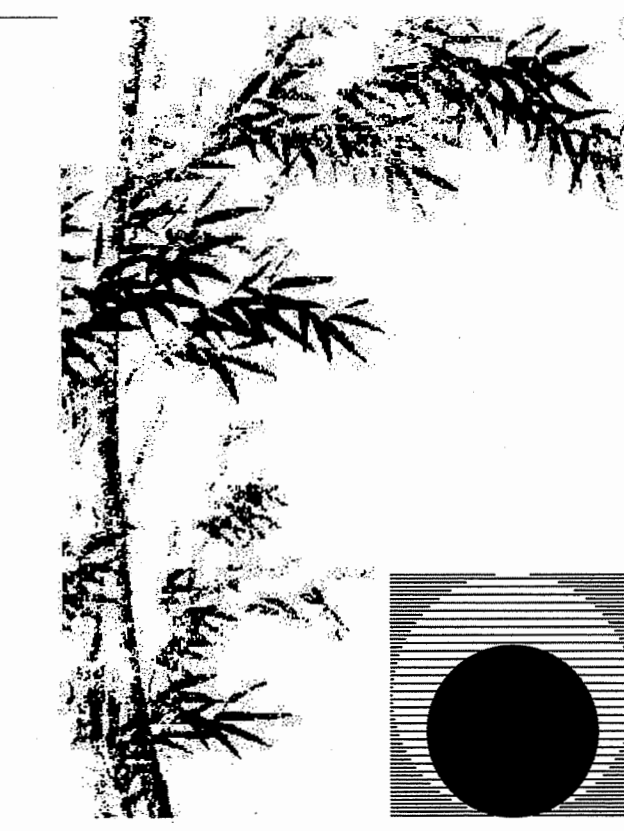
TYPICAL FOR 2



19 HISTOLOGY



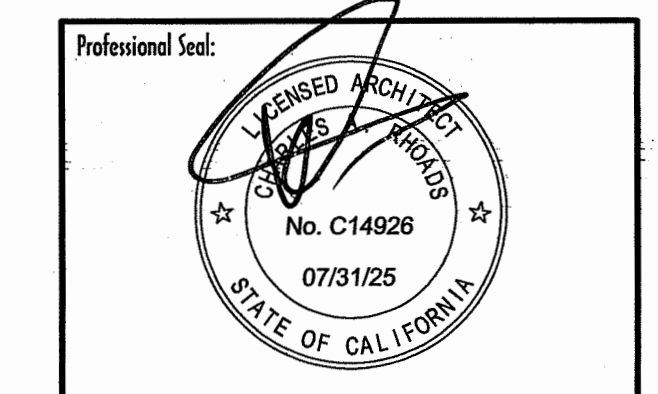
SCALE: 1/4" = 1'-0"



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Consultant:

Drawing Status:

Contract Document

Revision Summary:

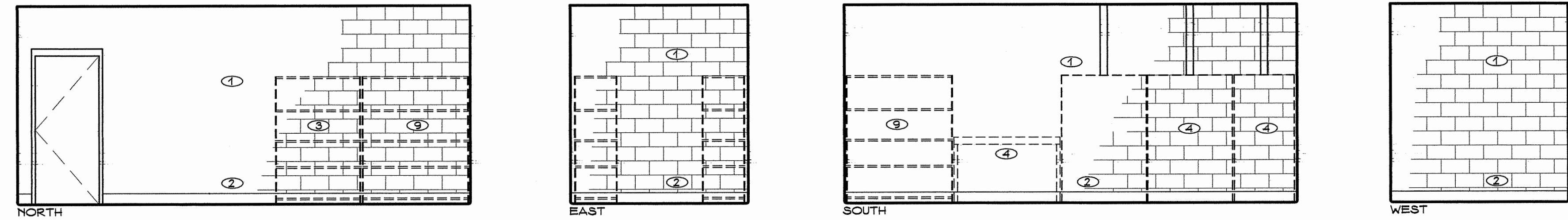

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Interior Elevations  
Details**

Date: 11/16/23  
Project: 22-102  
Scale: 1/4" = 1'  
Sheet No.: **A8.3**  
Of 26 Sheets

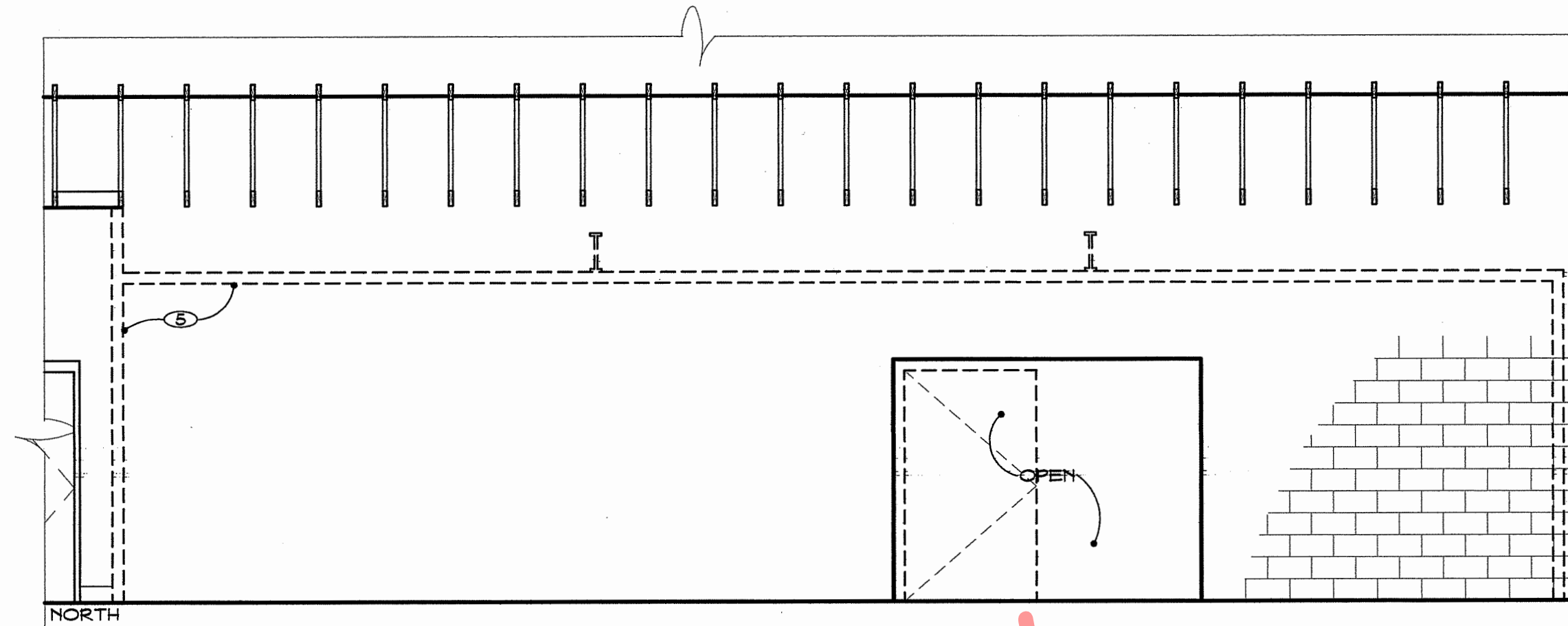
KEY NOTES (THIS SHEET ONLY)

- ① COMMON FACE CMU WITH TOOLED JOINTS AND OPAQUE FINISH
- ② 6" INTEGRAL COVE BASE PER  $\frac{4}{A5.2}$
- ③ 24"x48" WIRE SHELVING PER SPECIFICATIONS SECTION 10050
- ④ EQUIPMENT PER SHEET EQ1 - COORDINATE REQUIRED UTILITIES
- ⑤ MODULAR WALK-IN BOX PER SHEET EQ1
- ⑥ STAINLESS STEEL WALK-IN PANELS, PERIMETER TRIM AND ENTRY DOOR PER SHEET EQ1
- ⑦ TEMPERATURE ALARM - EXTEND REQUIRED DATA CABLES TO ROOM 11 - STAINLESS CONDUIT WHERE EXPOSED
- ⑧ SURFACE MOUNTED EXTINGUISHER CABINET
- ⑨ 24"x60" WIRE SHELVING PER SPECIFICATIONS SECTION 10050
- ⑩ HEATING/COOLING UNIT PER MECHANICAL DRAWINGS

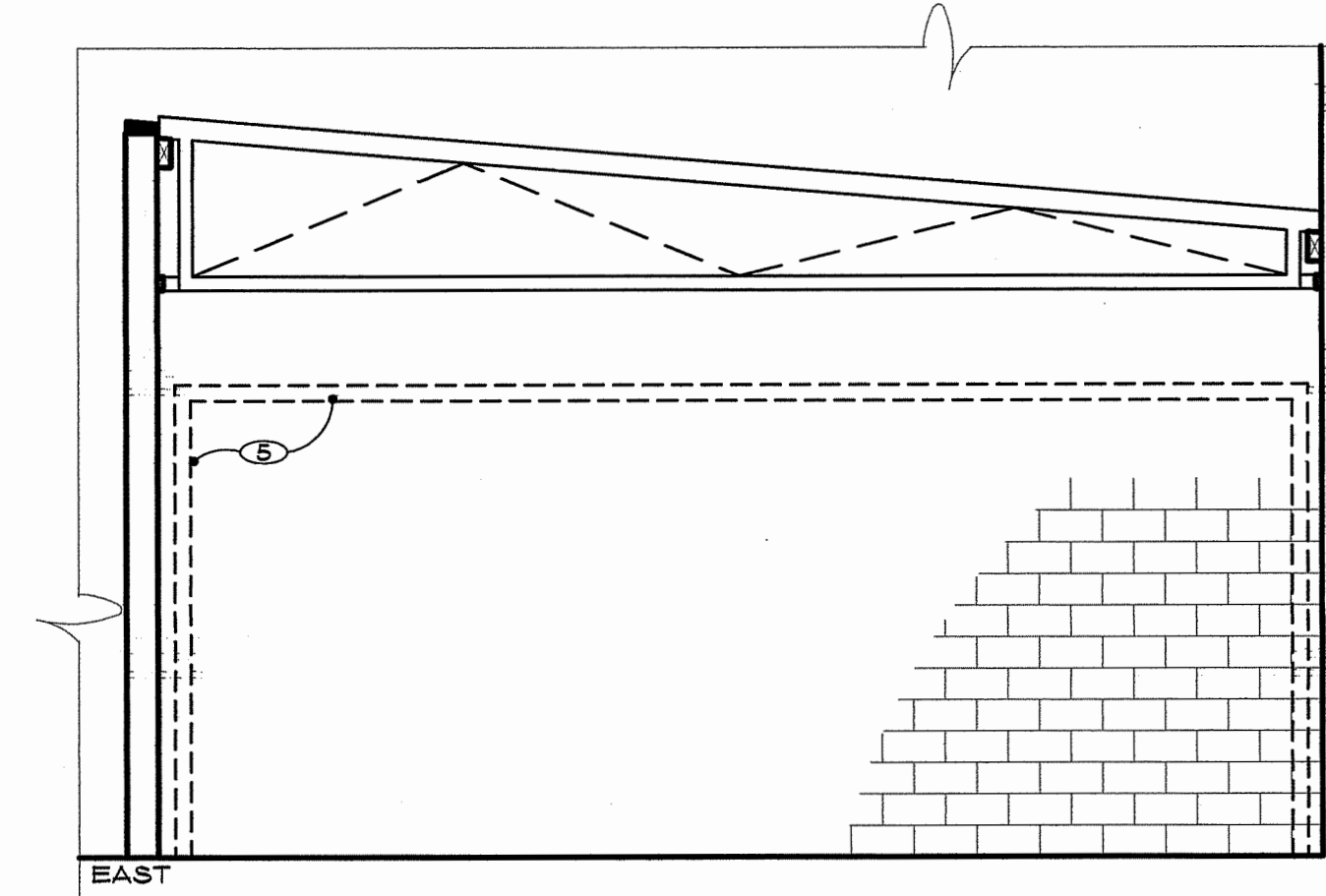


20 EVIDENCE STORAGE

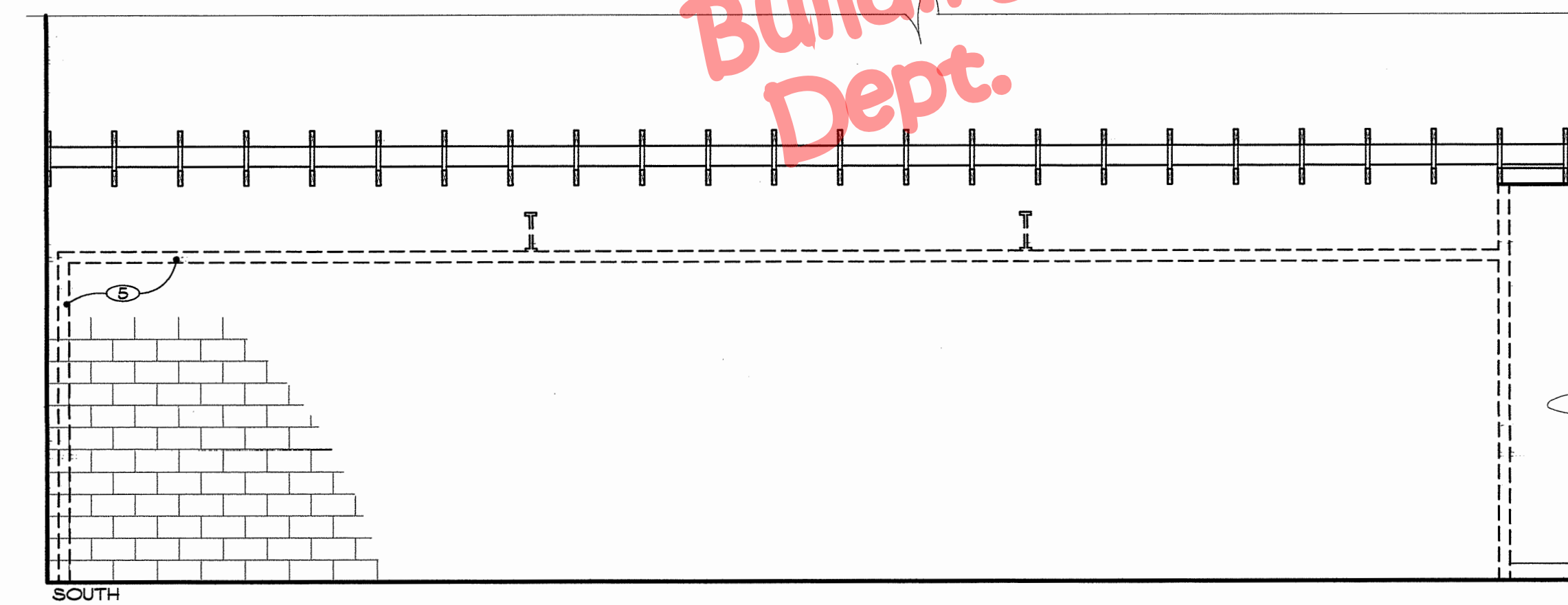
SCALE: 1/4" = 1'-0"



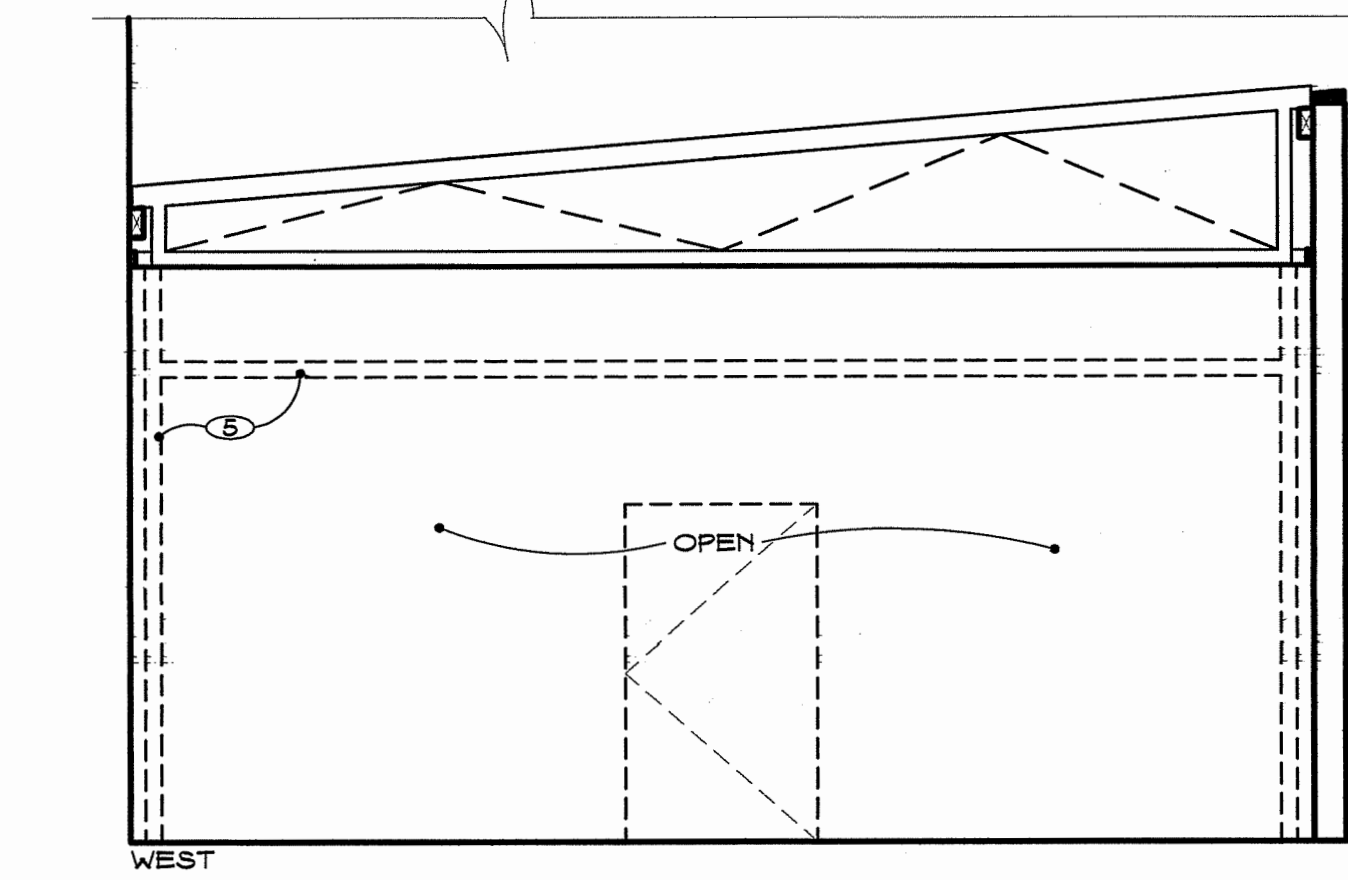
21 WALK-IN BOX



SCALE: 1/4" = 1'-0"

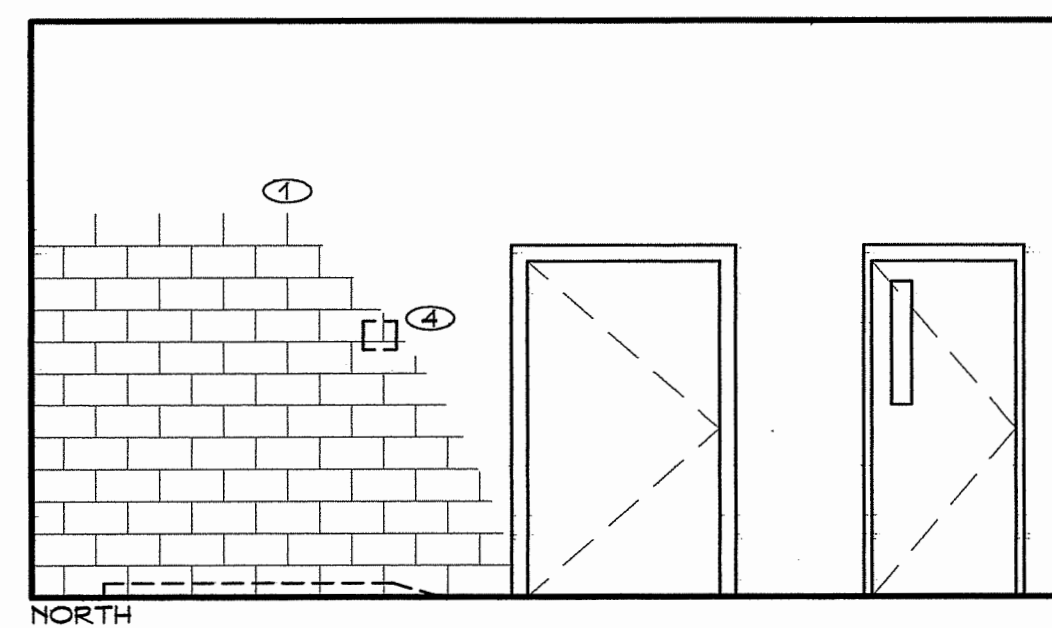


21 WALK-IN BOX

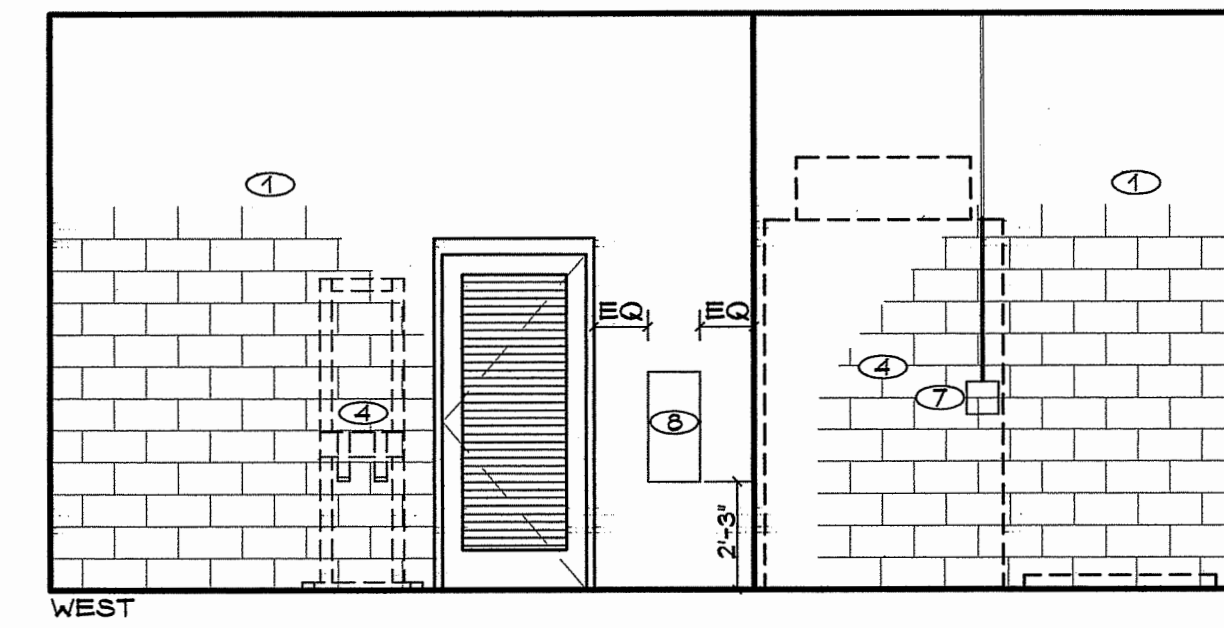
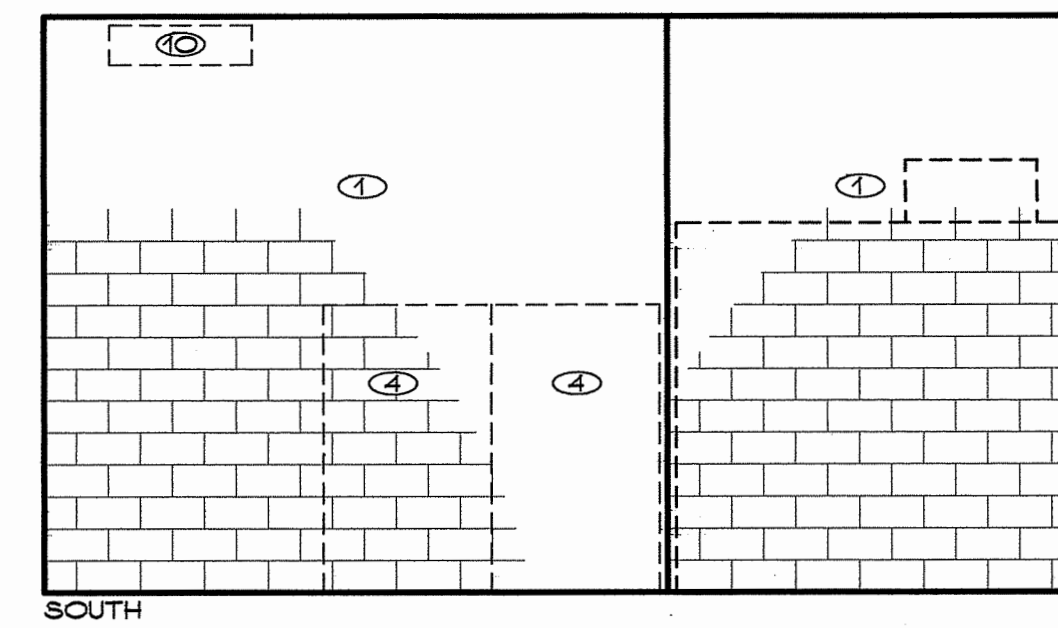
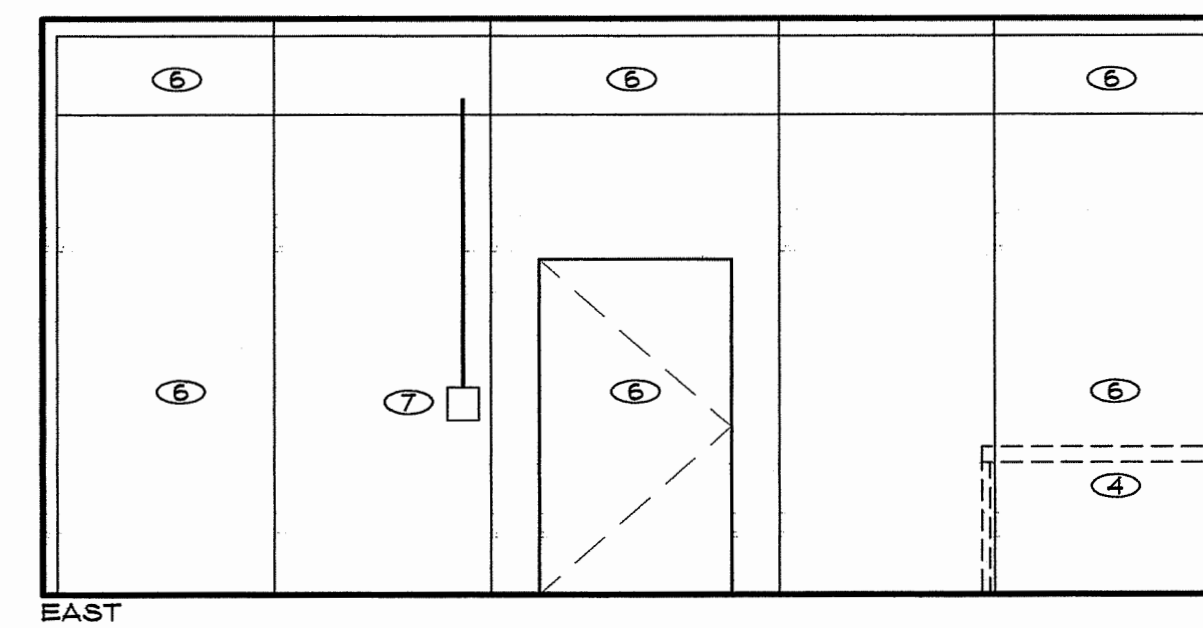


SCALE: 1/4" = 1'-0"

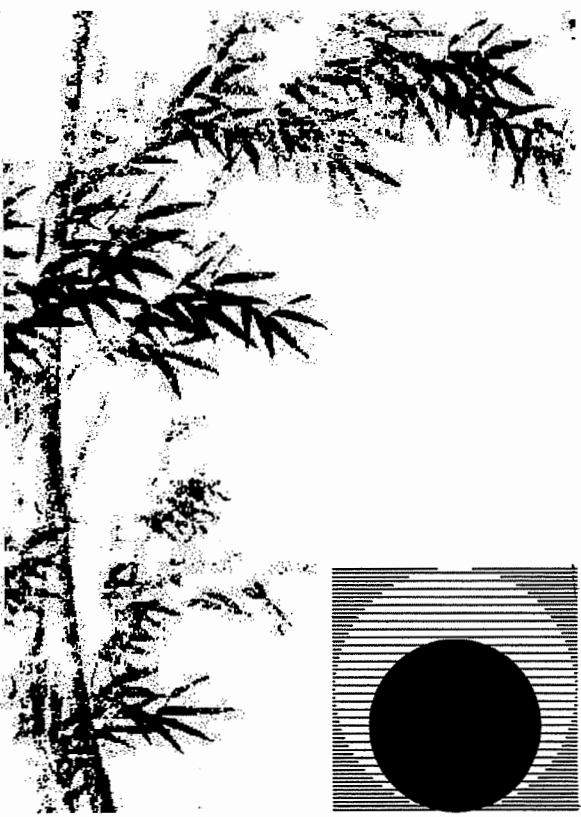
Approved  
Building  
Dept.



22 INTAKE



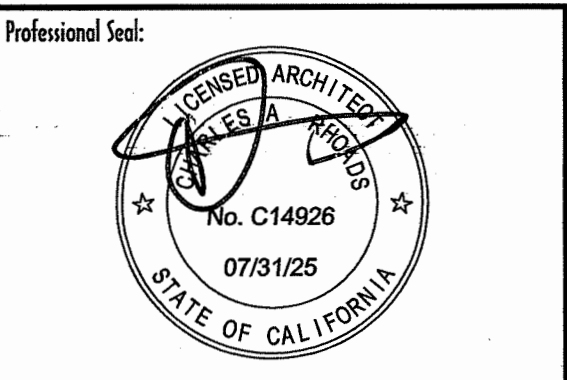
SCALE: 1/4" = 1'-0"



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Consultant:

Drawing Status:

Contract Document

Revision Summary:

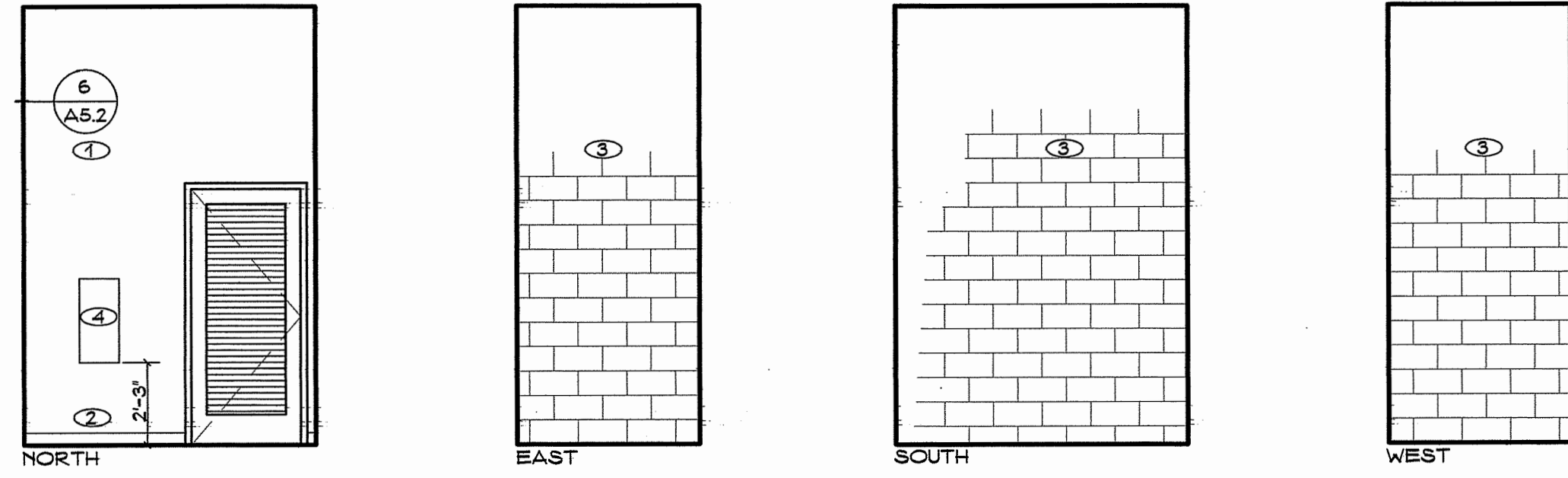
Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Interior Elevations**  
Details

Date: 11/16/23  
Project: 22-102  
Scale: 1/4" = 1'

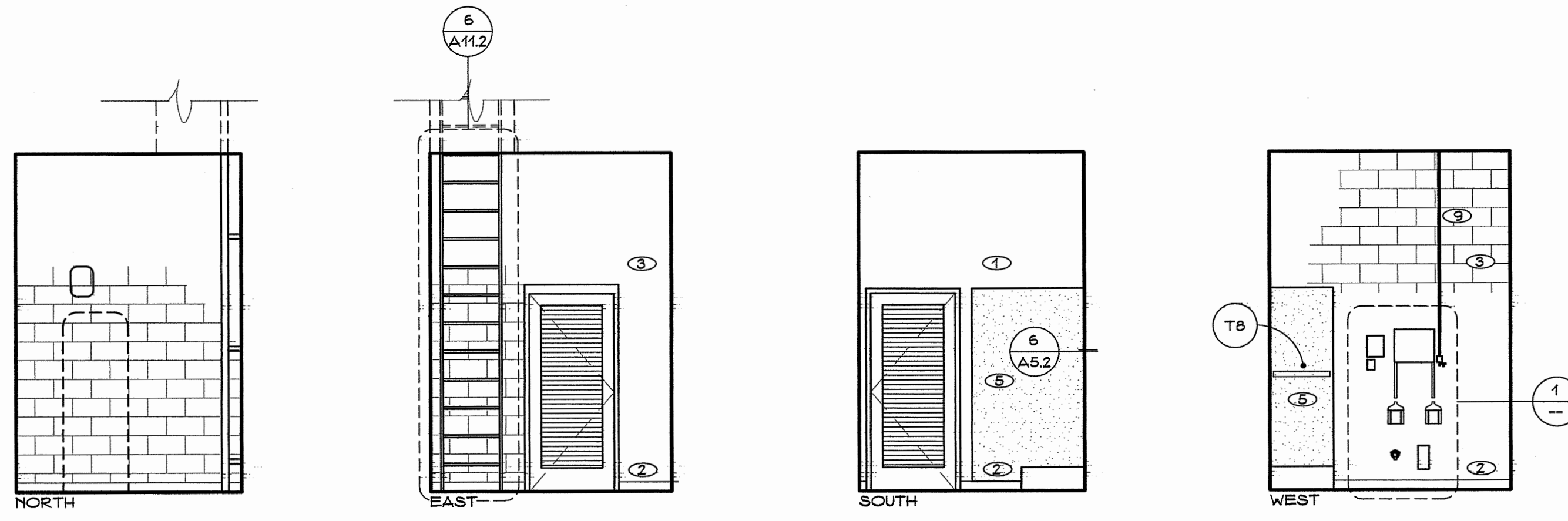
Sheet No.:  
**A8.4**  
Of 26 Sheets





23 PANEL ROOM

SCALE: 1/4" = 1'-0"

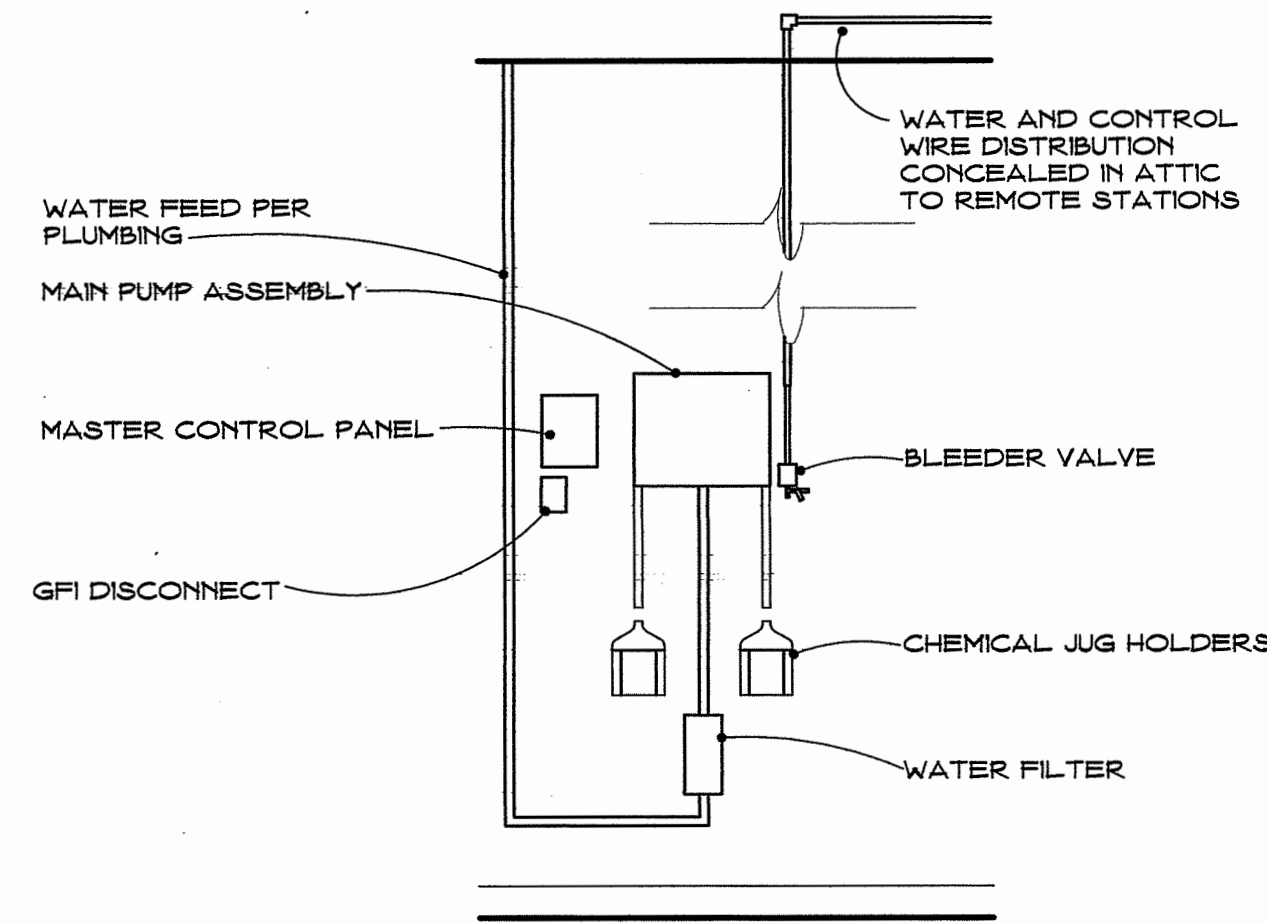


24 MECHANICAL

SCALE: 1/4" = 1'-0"

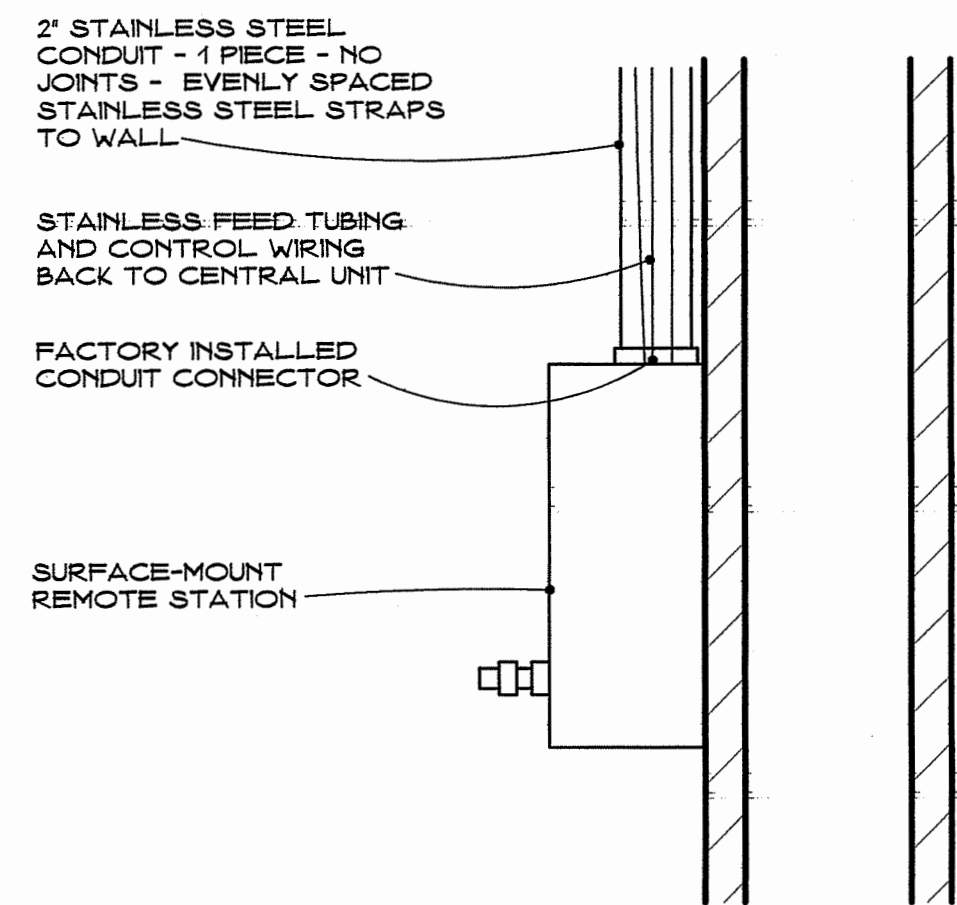
KEY NOTES (THIS SHEET ONLY)

- ① FINISH AS SCHEDULED
- ② TOPSET BASE AS SCHEDULED
- ③ COMMON FACE CMU WITH TOOLED JOINTS AND OPAQUE FINISH
- ④ SURFACE MOUNTED EXTINGUISHER CABINET
- ⑤ PFP WAINSCOTE AS SCHEDULED
- ⑥ GROUND FACE CMU WITH TOOLED JOINTS AND CLEAR FINISH
- ⑦ 4' LONG WIRE WALL SHEVING PER SPECIFICATIONS 10050
- ⑧ PRESSURE WASH REMOTE STATION PER
- ⑨ STAINLESS STEEL PIPE/CONDUIT
- ⑩ OVERHEAD COILING ALUMINUM SLAT DOOR PER SPECIFICATIONS SECTION 08331
- ⑪ ALUMINUM GUIDE TRACKS PER COILING DOOR MANUFACTURER
- ⑫ EMERGENCY CHAIN HOIST PER COILING DOOR MANUFACTURER WITH WALL TIE-BACK BRACKET
- ⑬ SURFACE MOUNT COILING DOOR CONTROL IN WATERPROOF ENCLOSURE



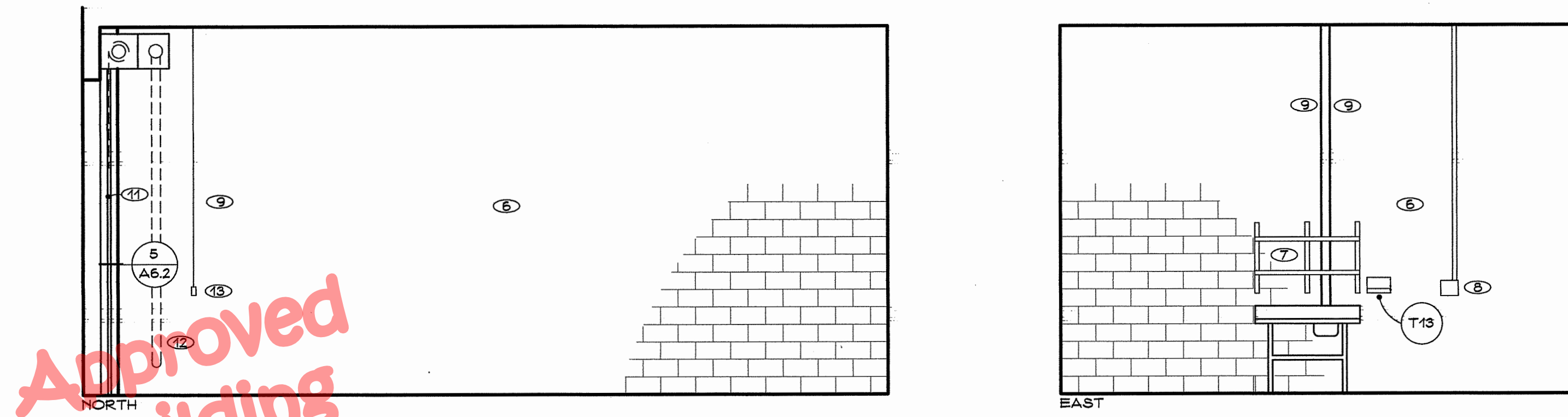
1 PRESSURE WASH CENTRAL SYSTEM

NO SCALE SYSTEM DESIGN BASED ON THE PRODUCTS OF SPRAY MASTER - EQUAL SYSTEMS USING PRODUCTS OF OTHERS MAY BE USED WITH APPROVAL OF THE ARCHITECT



2 PRESSURE WASH REMOTE STATION

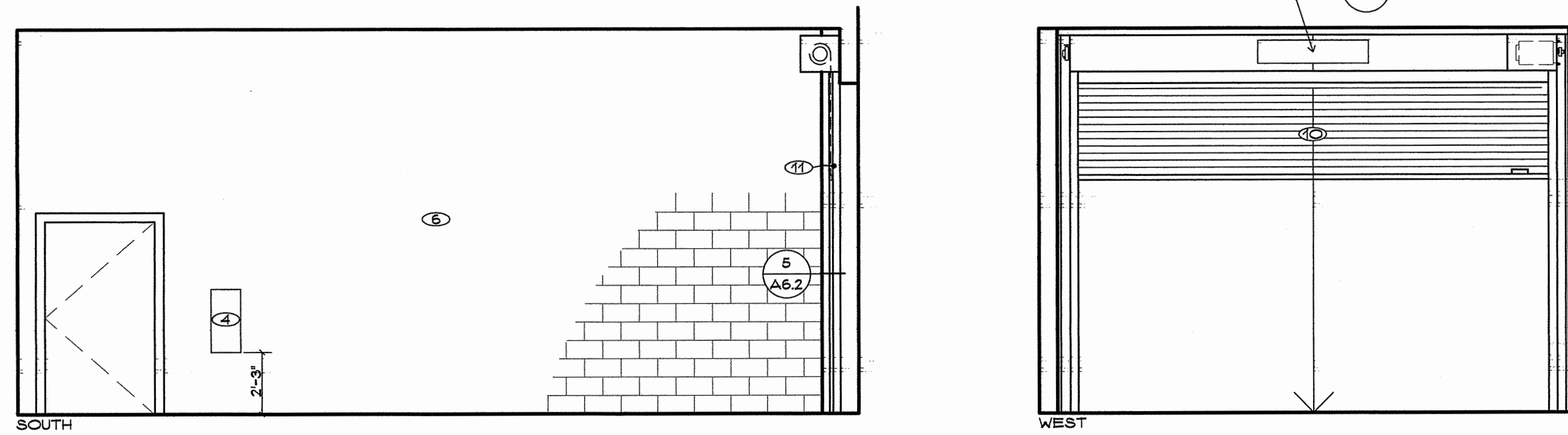
NO SCALE SYSTEM DESIGN BASED ON THE PRODUCTS OF SPRAY MASTER - EQUAL SYSTEMS USING PRODUCTS OF OTHERS MAY BE USED WITH APPROVAL OF THE ARCHITECT



25 SALLY PORT

REFER TO SPECIFICATIONS SECTION 10800 FOR KEY TO ACCESSORIES

SCALE: 1/4" = 1'-0"



25 SALLY PORT

SCALE: 1/4" = 1'-0"

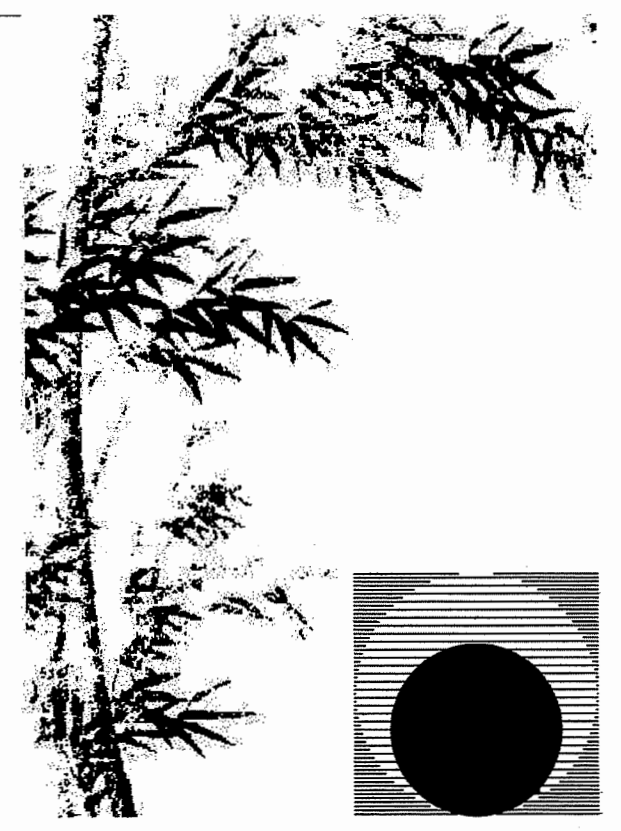
THIS DOOR SHALL REMAIN OPEN DURING OPERATIONAL HOURS

- WHITE BORDER SAME WIDTH AS LETTER STROKE
- 1/2" RADIUS - TYPICAL
- WHITE 2" LETTERS PER C.B.C.
- BLACK BACKGROUND

MOUNT TO CANOPY OF OVERHEAD COILING DOOR USING STAINLESS STEEL SCREWS

3 REQUIRED SIGN AT DOOR 21

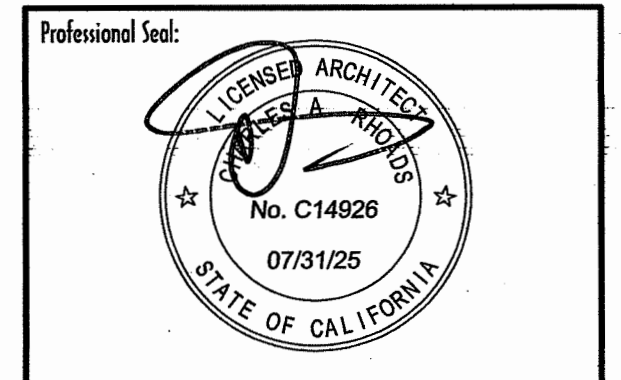
NO SCALE



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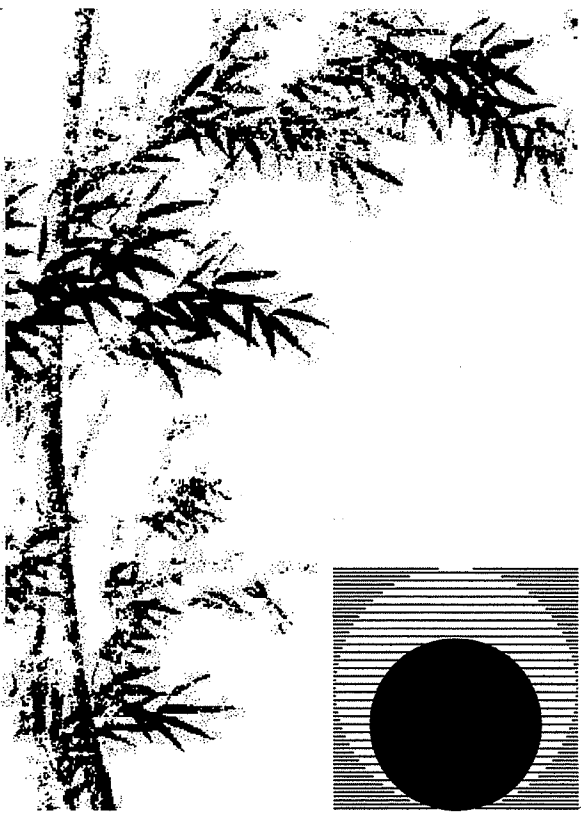
Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Interior Elevations  
Details**

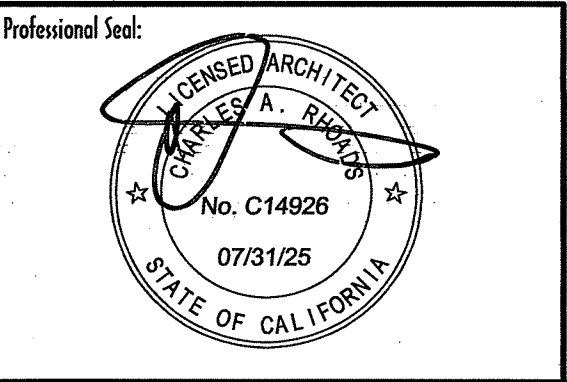
Date: 11/16/23  
Project: 22-102  
Scale: 1/4" = 1'  
Sheet No.: **A8.5**  
Of 26 Sheets



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Consultant:

Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

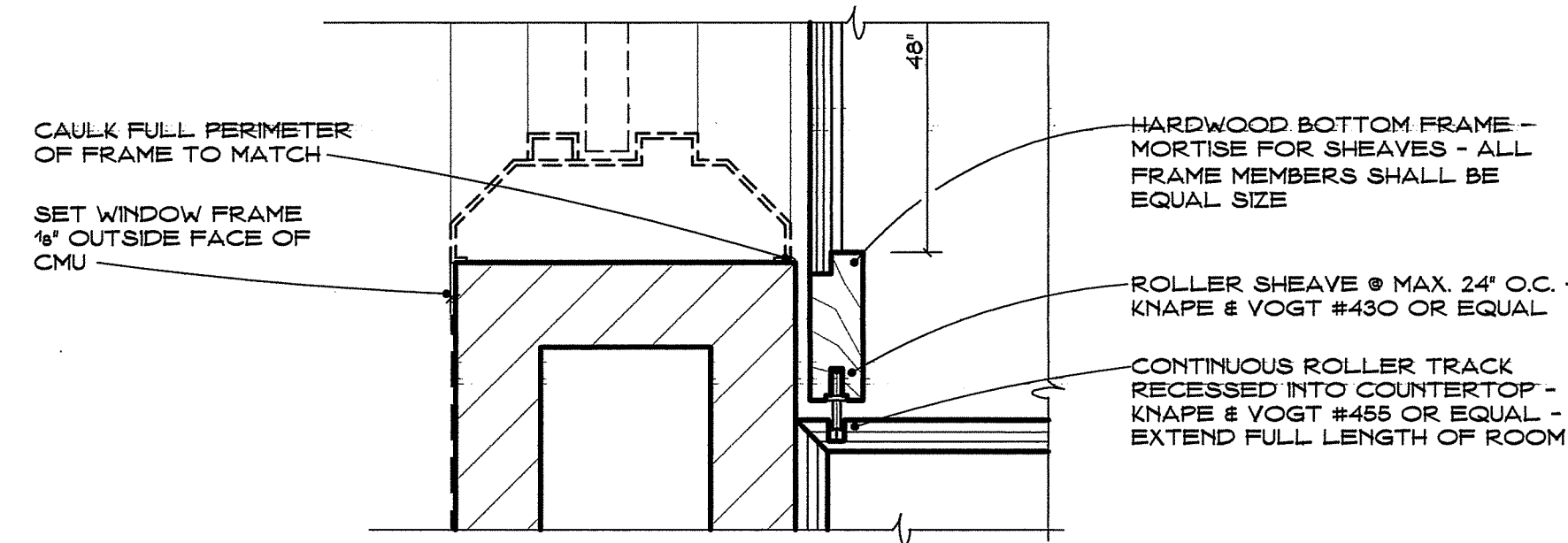
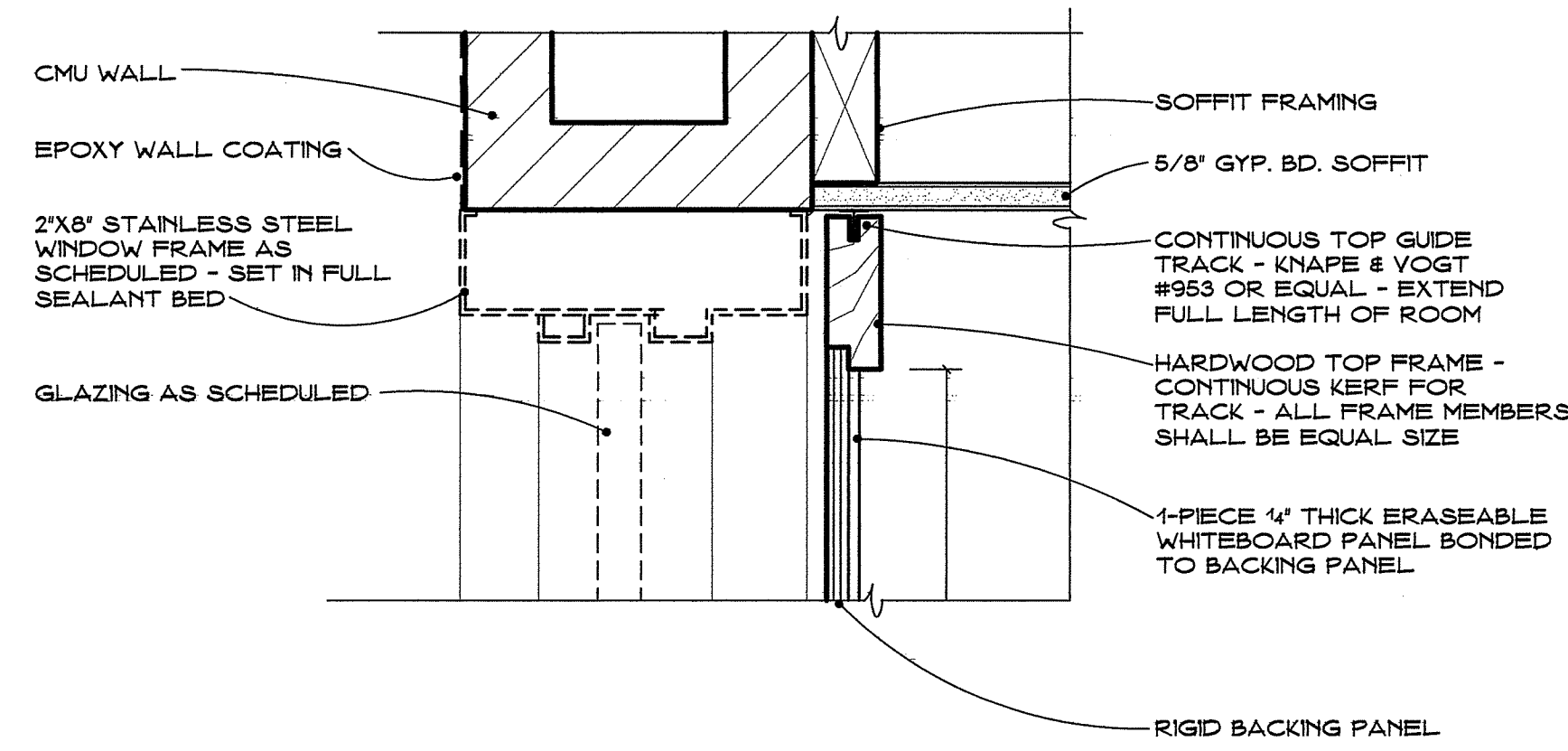
Sheet Description:  
**Architectural Woodwork**

Date: 11/16/23  
Project: 22-102  
Scale: Indicated

Sheet No.: **A9**  
Of 26 Sheets

**KEY NOTES (THIS SHEET ONLY)**

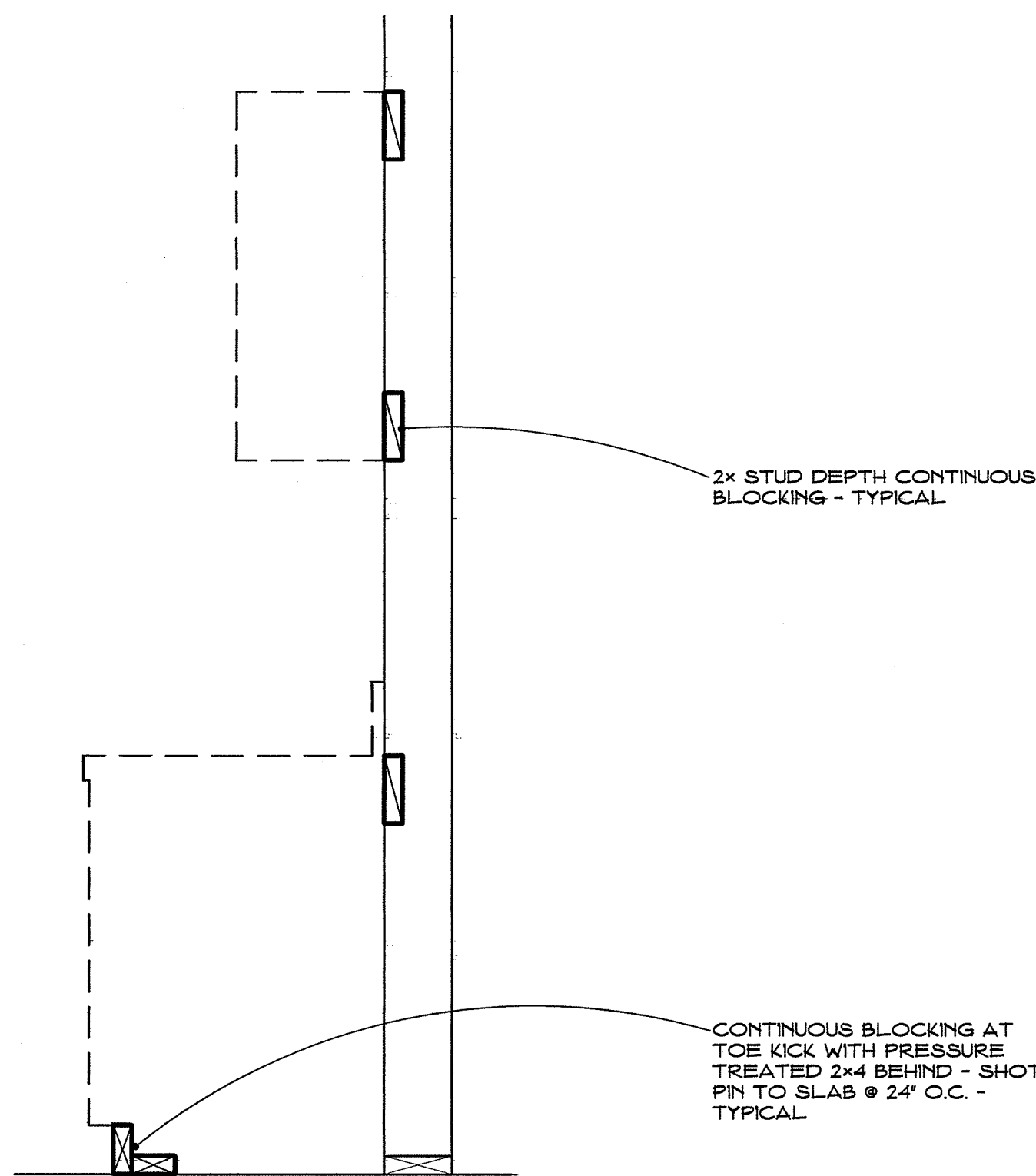
- 1 PLASTIC LAMINATE UPPER CABINETS WITH ADJUSTABLE SHELF
- 2 PLASTIC LAMINATE LOWER CABINETS WITH ADJUSTABLE SHELVES
- 3 PLASTIC LAMINATE COUNTERTOP WITH SQUARE 2" HIGH EDGE
- 4 DRAWERS WITH INTERIOR DIVIDERS TO INDIVIDUALLY ACCOMMODATE OWNER'S BOXES - BOX IS 6 1/2"W X 4 1/2"D X 8 1/4"H - STAINLESS STEEL LABEL HOLDER ON FACE OF EACH DRAWER - LOCKS - KEY #1 - SEE 7
- 5 SOLID SURFACE COUNTERTOP WITH SQUARE 2" HIGH EDGE
- 6 MITER COUNTERTOP AND RETURN TO WALL
- 7 18"x18" STAINLESS STEEL COUNTER BRACE WHERE SHOWN - FEDERAL BRACE #31050 - OR APPROVED EQUAL - PROVIDE SOLID BLOCKING
- 8 PAINT UNDERSIDE 'BLACK'
- 9 ANGLED CABINET
- 10 ROLLING PRESENTATION BOARD AS DETAILED
- 11 PROVIDE RUBBER BUMPER ABOVE COUNTERTOP TO CUSHION ROLLING BOARD
- 12 VENTILATED DOORS - 4" WIDE PERIMETER RAILS - C63 PERFORATED MILL ALUMINUM SHEET WITH 1/4" HOLES ON 5/16" STAGGERED CENTERS AND 1/16" BAR WIDTH - 58% OPEN AREA - EVEN BORDERS ALL AROUND SHEET - MCNICHOLS OR EQUAL - LOCKS - KEY #2
- 13 DRAWERS
- 14 LOCKS - KEY #1
- 15 STAINLESS STEEL CABLE GROMMET IN TOP - LOCATE AS DIRECTED IN FIELD
- 16 VERIFY REQUIRED CLEARANCE WITH APPLIANCE PROVIDER
- 17 OUTLET IN BACK OF CABINET - COORDINATE
- 18 DROP-IN TOWEL DISPENSER - COORDINATE WITH ACCESSORY PROVIDER
- 19 BOTTOM MOUNT ROLLING TRASH BIN CARRIER - KNAPE & VOIGHT #SBM9-1-20WH OR EQUAL
- 20 6" DIA. TRASH GROMMET - STAINLESS STEEL - MCKETT #TMC OR EQUAL - CENTER ABOVE 19
- 21 6" BACK SPLASH TO MATCH
- 22 HOLD BACK SPLASH SHORT OF SOUTH WALL TO ALLOW ROLLING BOARD TO FULLY CLOSE



NOTE: ALL EXPOSED SURFACES OF ROLLING PANEL SHALL BE FACED WITH PLASTIC LAMINATE TYPICAL FOR FRONT AND BACK - BACK LAMINATE DIFFERENT COLOR

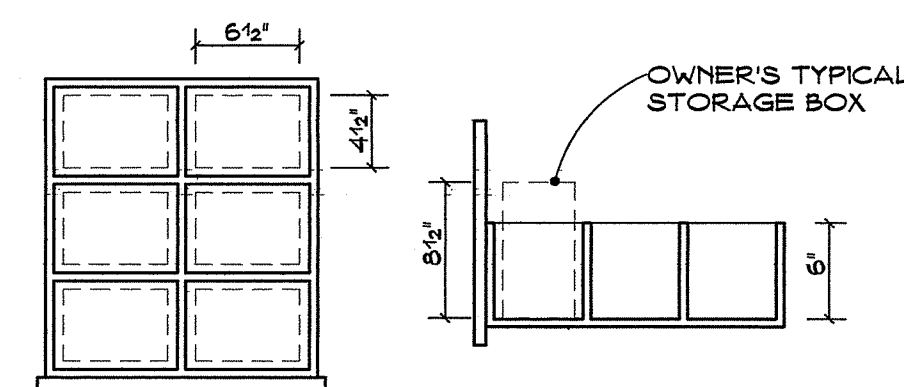
**5 ROLLING PRESENTATION BOARD @ AUTOPSY WINDOW**

SCALE 1" = 3'-0"



**6 REQUIRED BLOCKING AT ARCHITECTURAL WOODWORK**

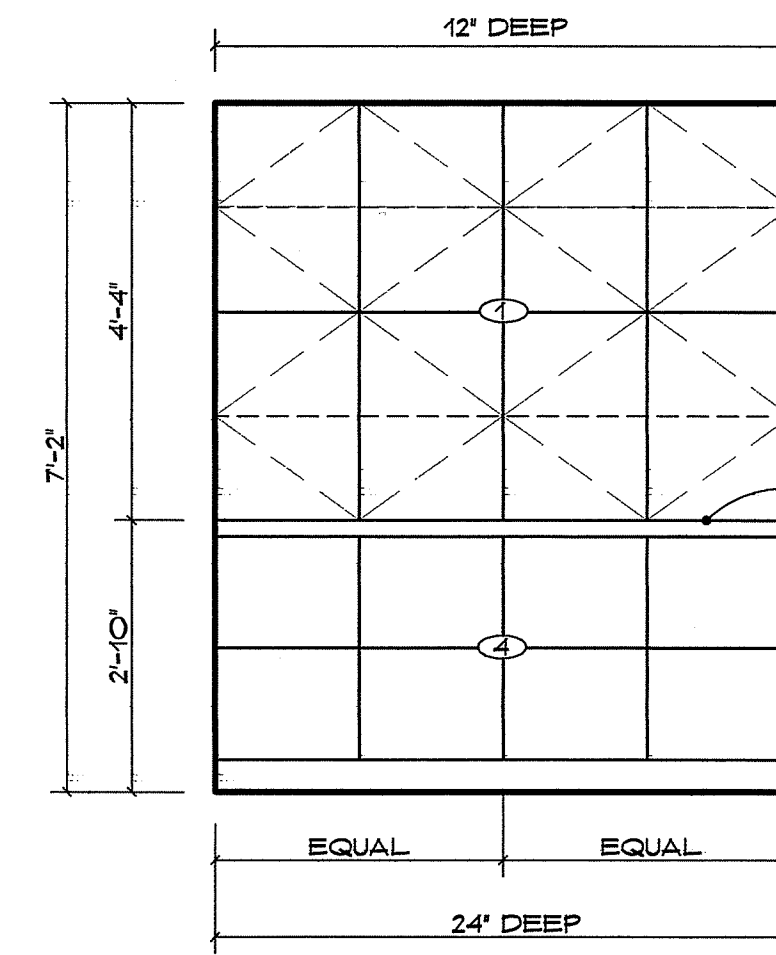
SCALE 1" = 1'-0"



PROVIDE FULL EXTENSION GLIDES WITH SLOW CLOSE

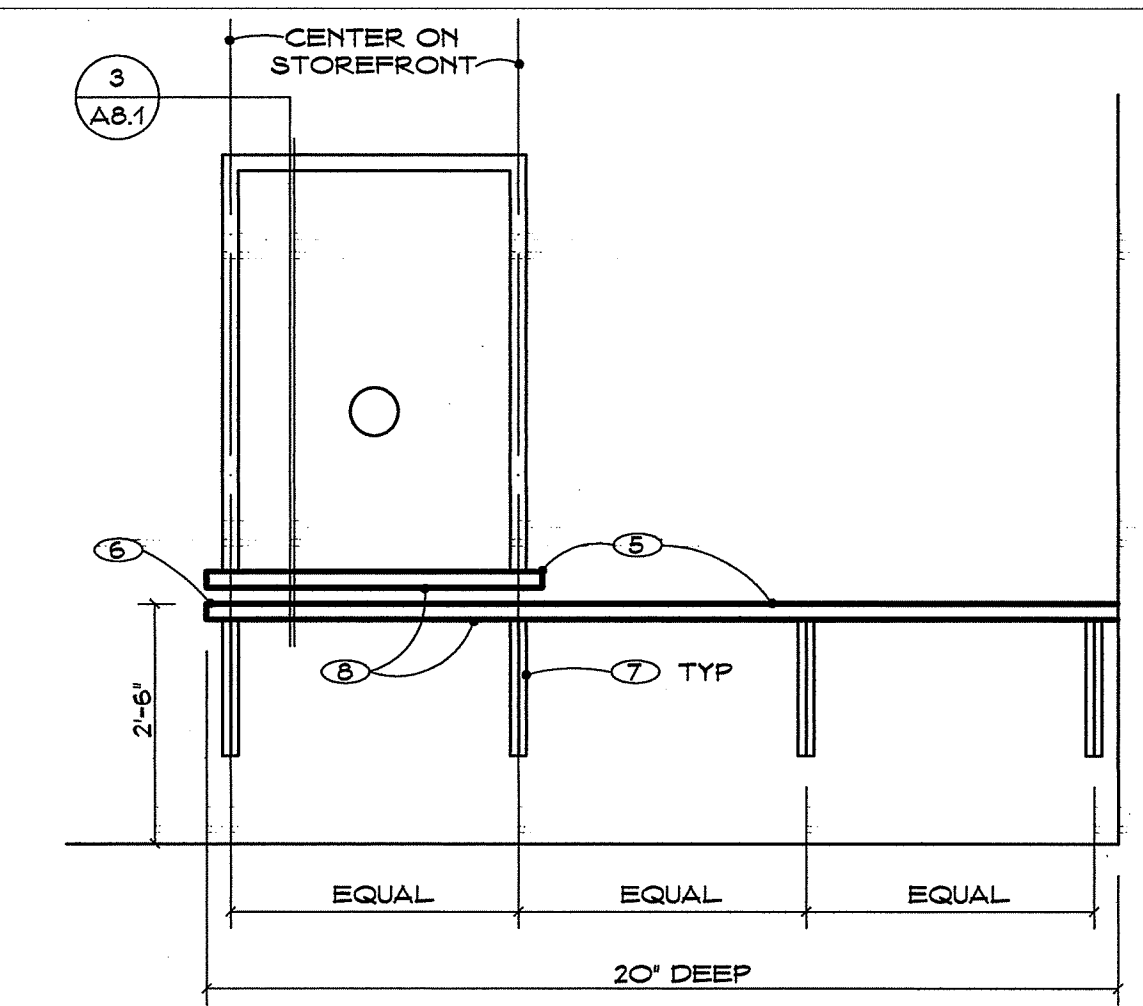
**7 RECEPTION DRAWER**

SCALE 1" = 1'-0"



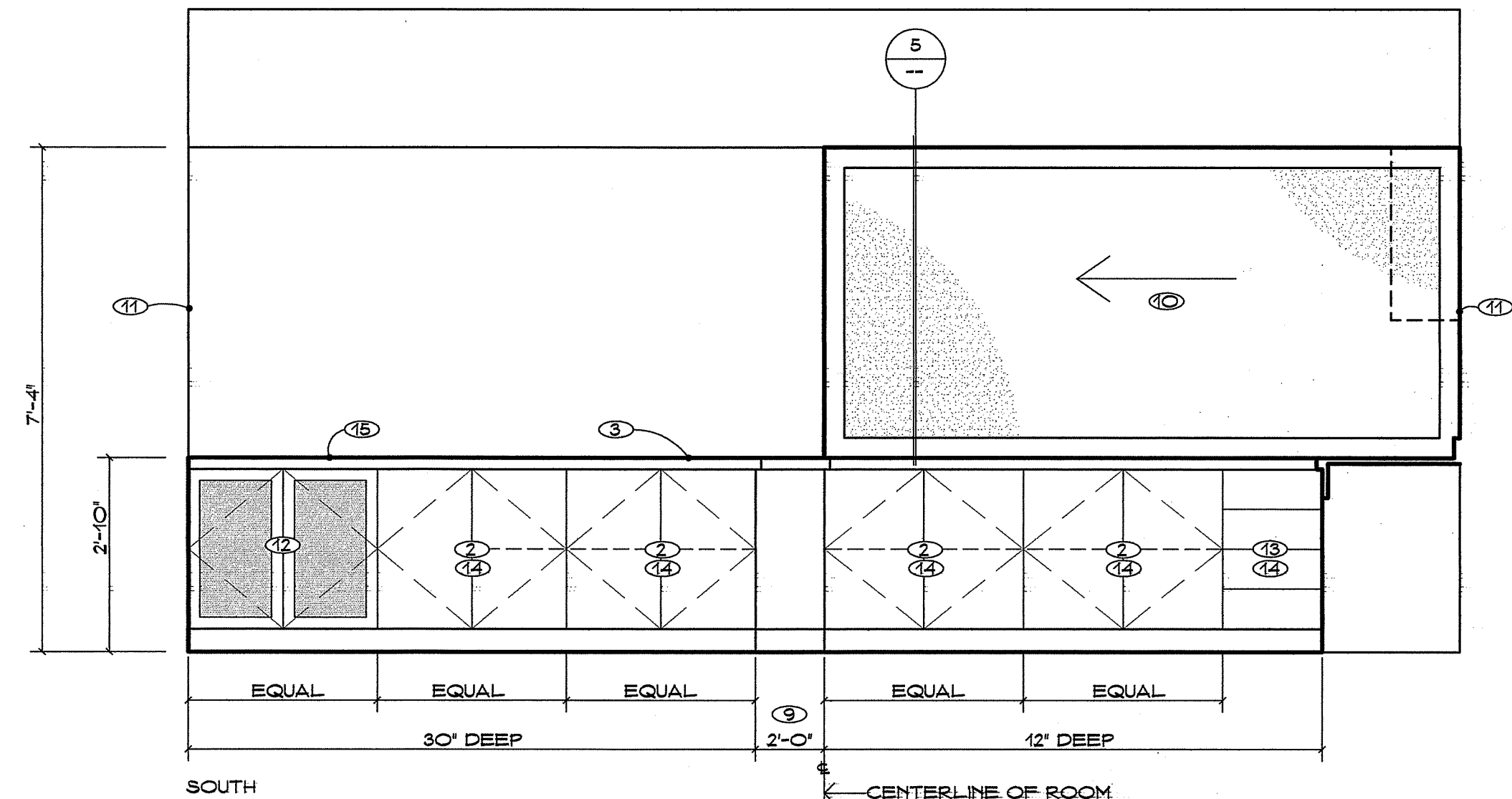
EAST

**1 CASEWORK AT ROOM 13**



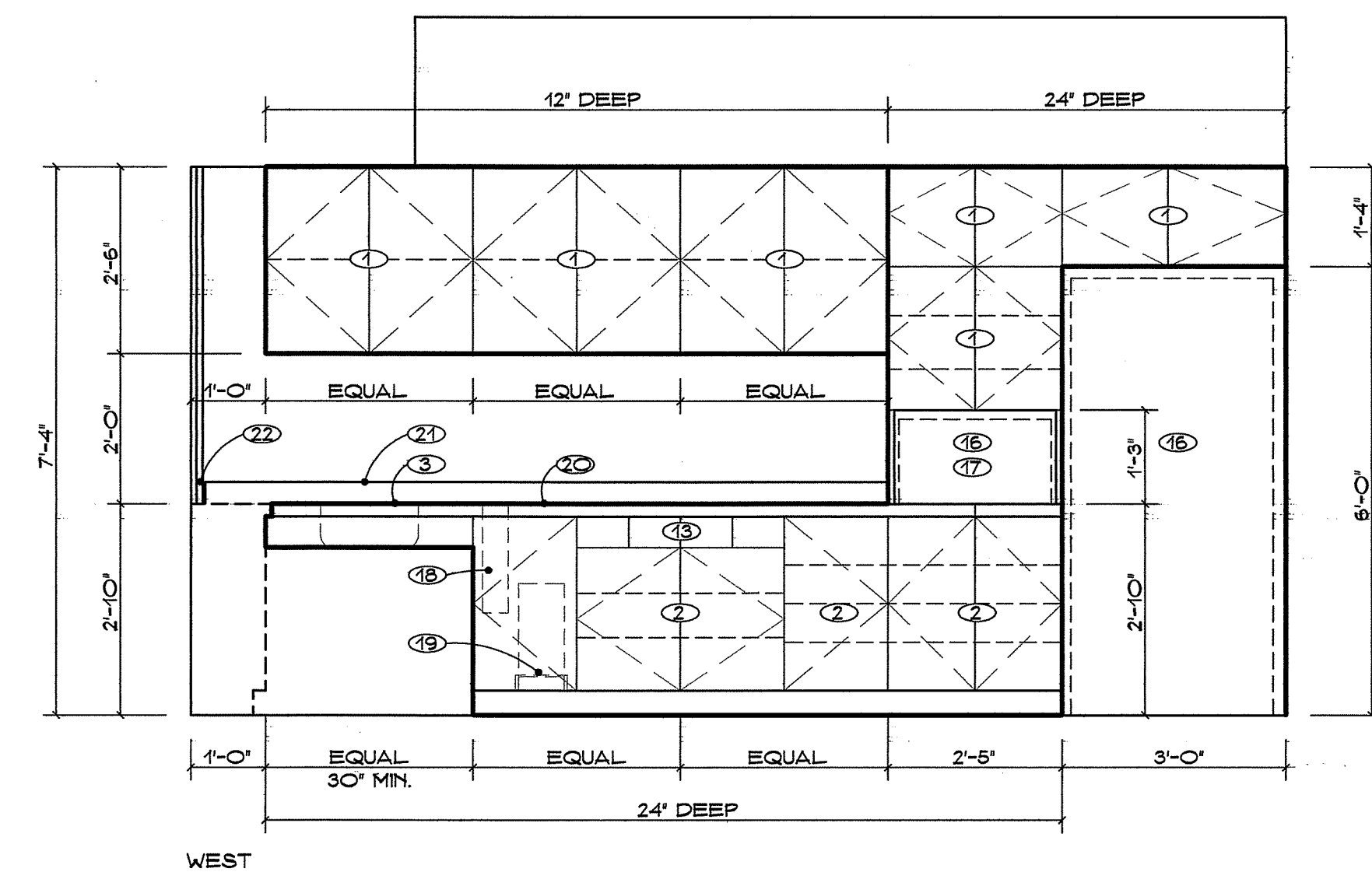
WEST

**2 CASEWORK AT ROOM 14**



SOUTH

**3 CASEWORK AT ROOM 13**

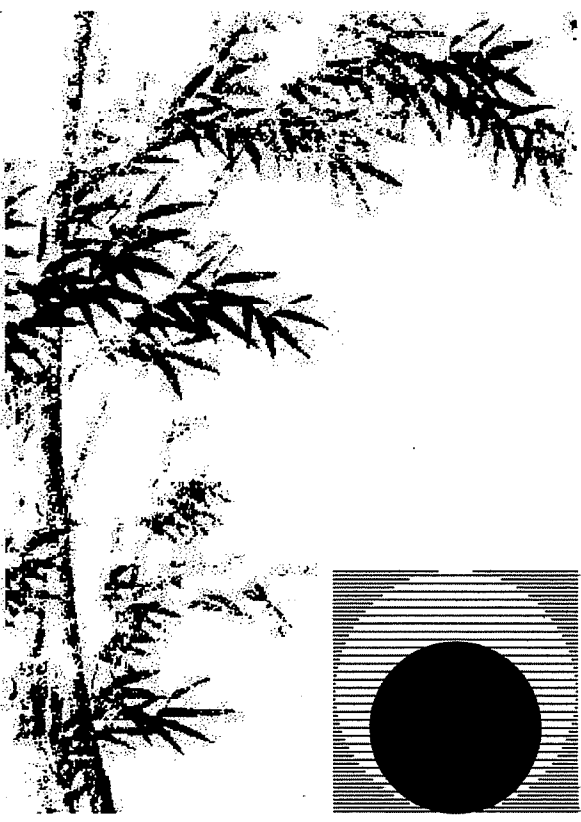


WEST

**4 CASEWORK AT ROOM 13**

**ARCHITECTURAL CASEWORK**

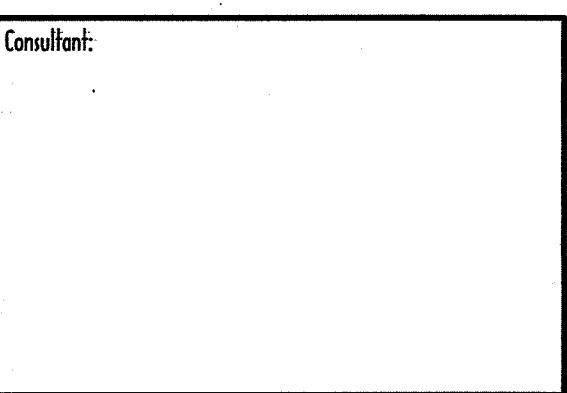
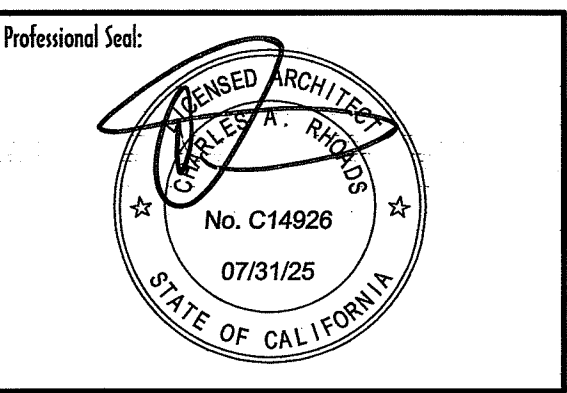
SCALE 1/2" = 1'-0"



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Drawing Status:

**Contract Document**

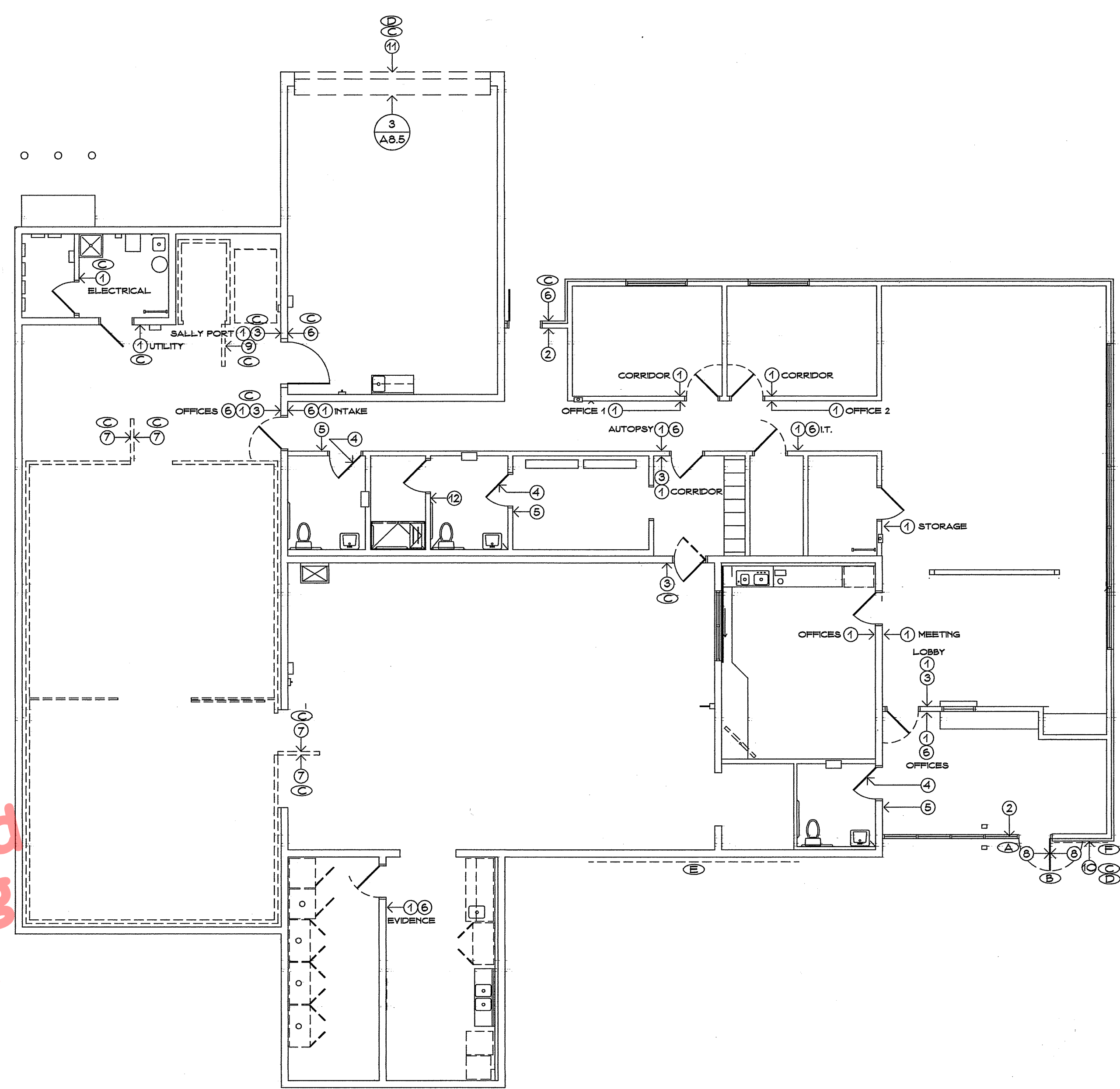
Revision Summary:


Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

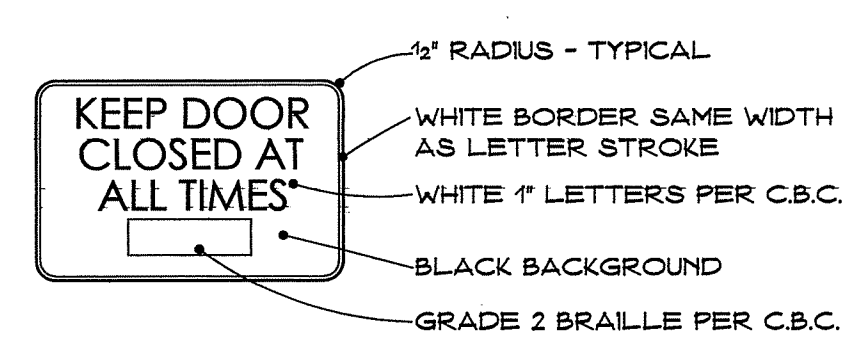
Sheet Description:  
**Required Signage**

Date: 11/16/23  
Project: 22-102  
Scale: None

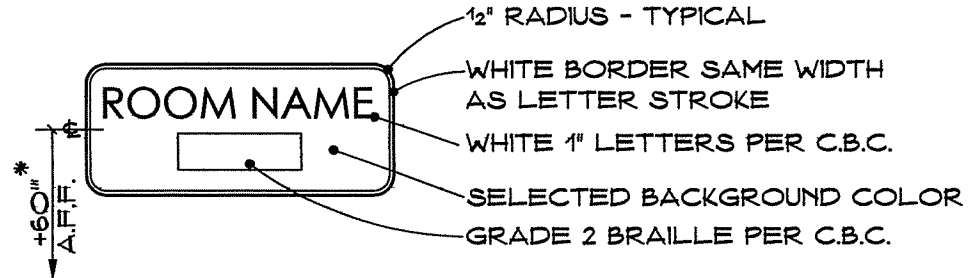
Sheet No.: **A10**  
Of 28 Sheets



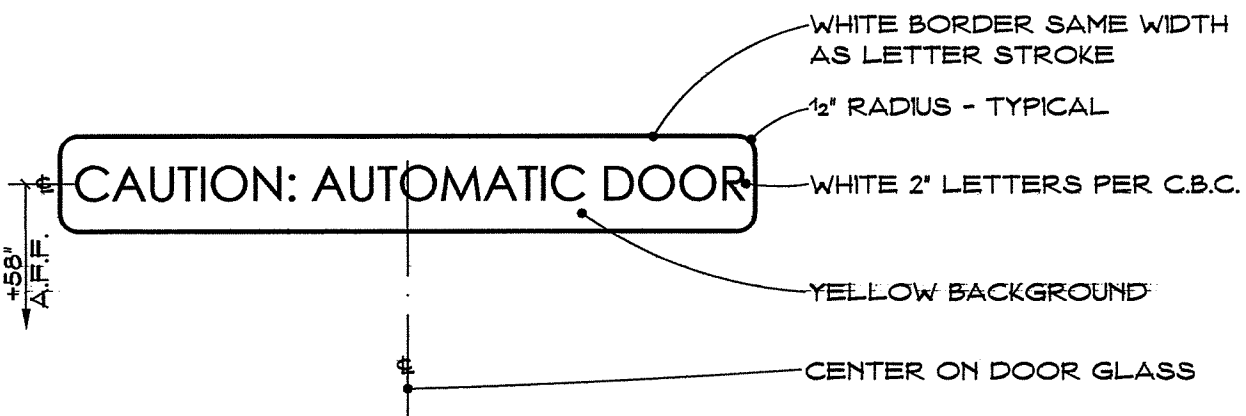
Approved  
Building  
Dept.



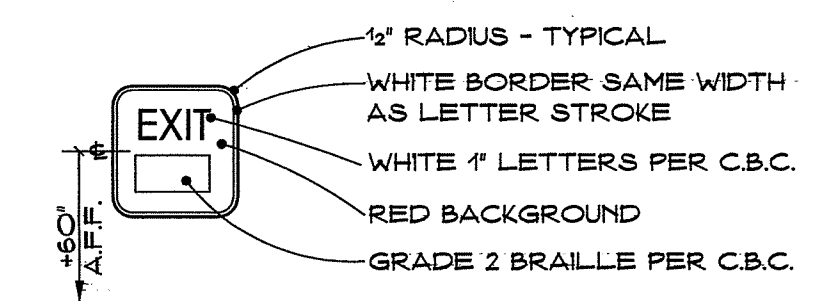
**7 INSTRUCTIONAL SIGN 1**



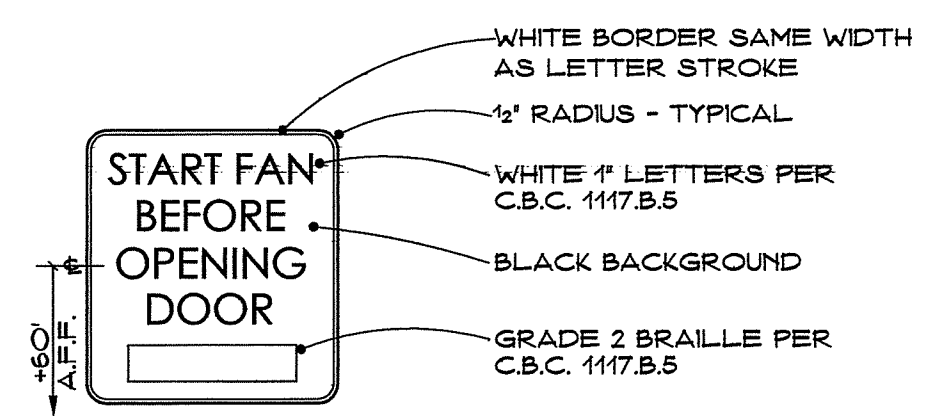
**1 TYPICAL ROOM SIGN**



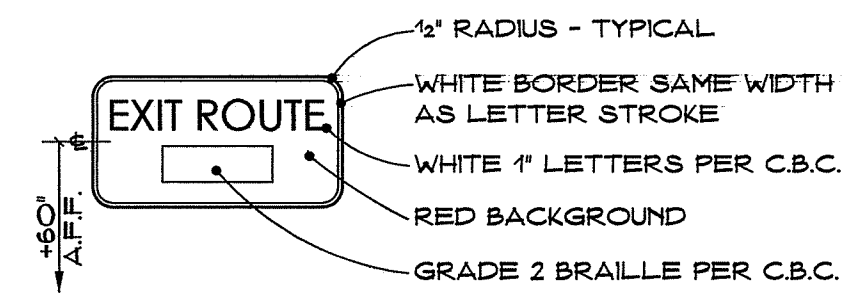
**8 WARNING SIGN 1**



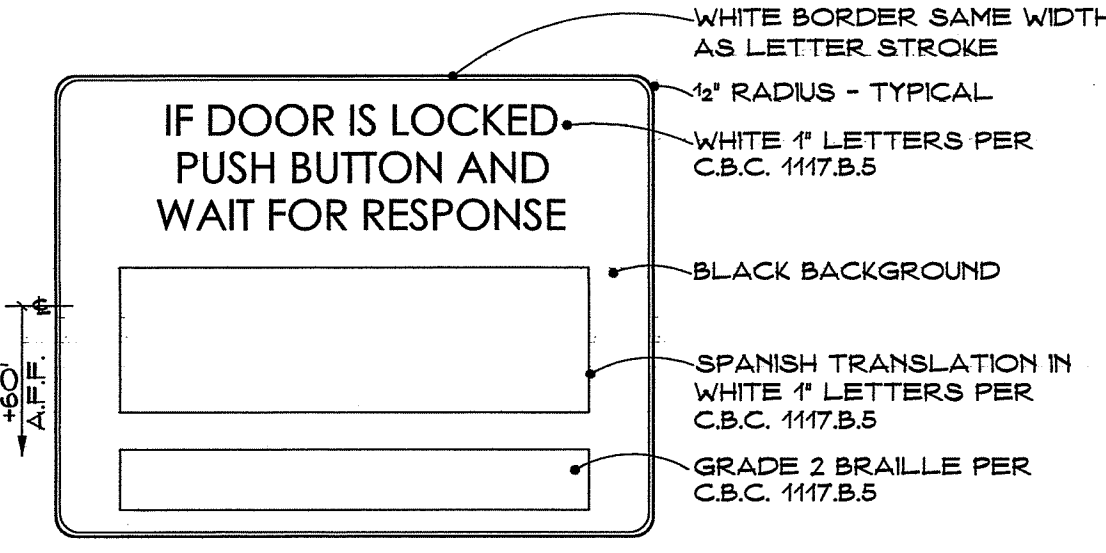
**2 EXIT SIGN 1**



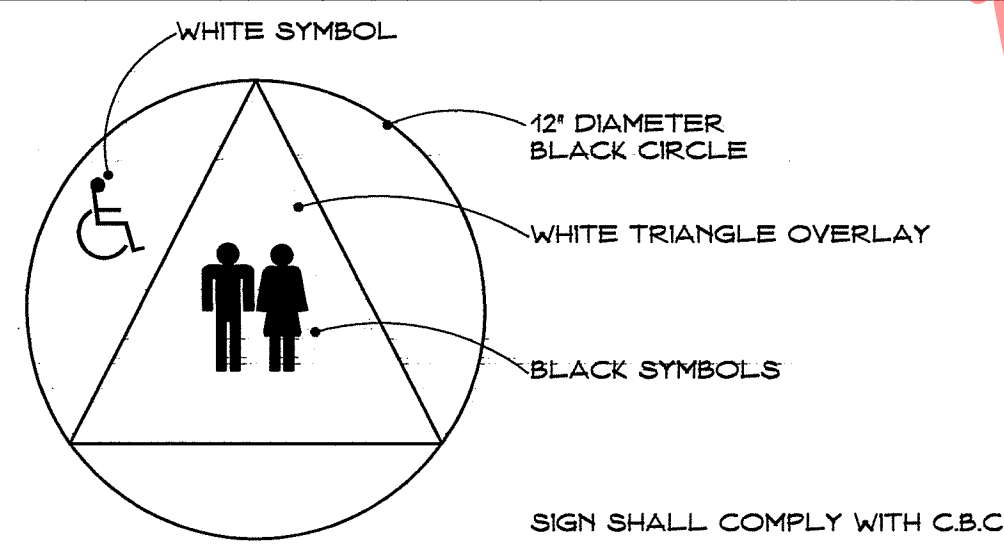
**9 INSTRUCTIONAL SIGN 2**



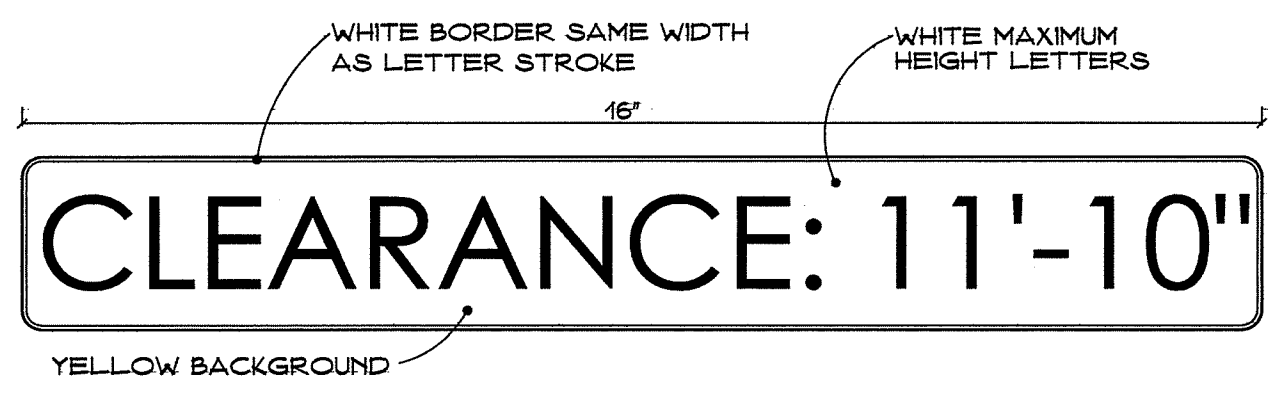
**3 EXIT SIGN 2**



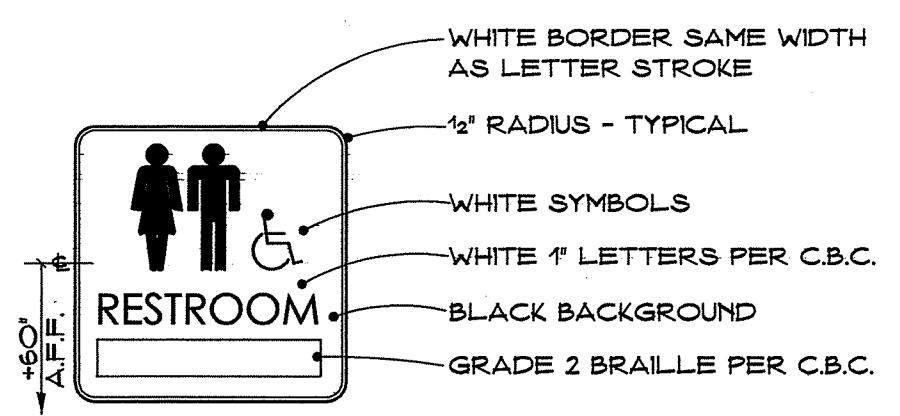
**10 INSTRUCTIONAL SIGN 3**



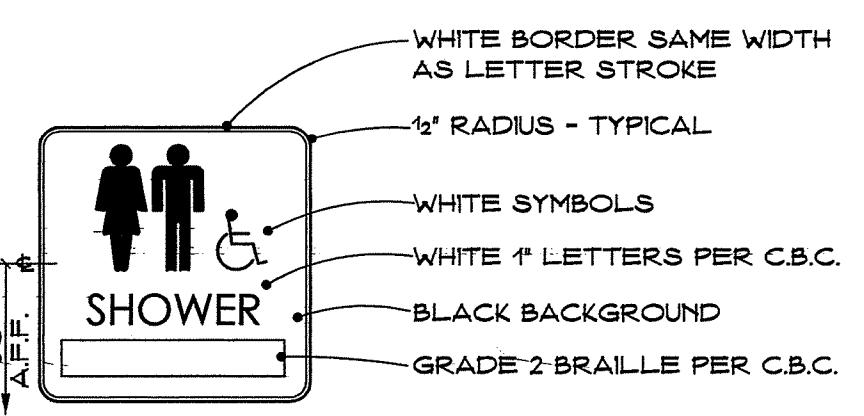
**4 BATHROOM SIGN 1**



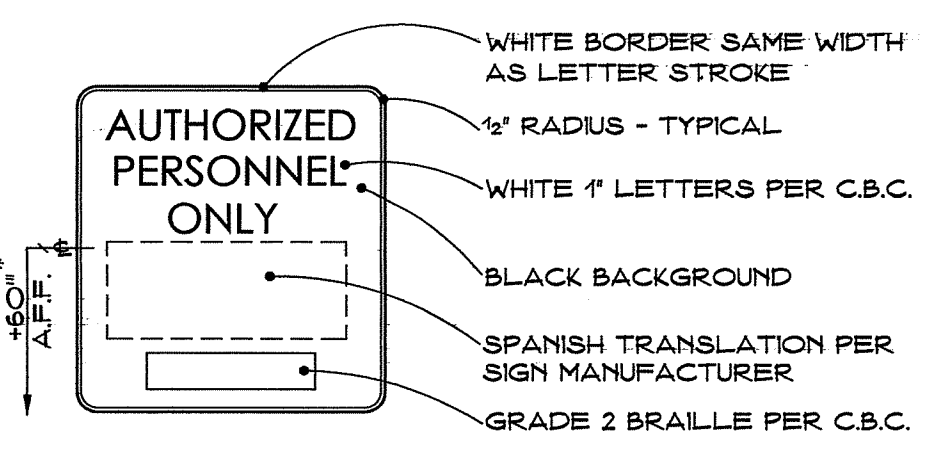
**11 WARNING SIGN 2**



**5 BATHROOM SIGN 2**



**12 BATHROOM SIGN 3**



**6 RESTRICTION SIGN**

**REQUIRED SIGNAGE**

**KEY NOTES (THIS SHEET ONLY)**

- Ⓐ PROVIDE MATCHING SIZE BLANK SIGN ON OPPOSITE SIDE OF GLASS
- Ⓑ MOUNT SIGNS BACK TO BACK
- Ⓒ MOUNT WITH TAMPER-PROOF STAINLESS STEEL SCREWS
- Ⓓ VERIFY LOCATION WITH ARCHITECT
- Ⓔ WALL-MOUNTED INDIVIDUAL ALUMINUM LETTERS - REFER TO EXTERIOR ELEVATIONS
- Ⓕ WALL-MOUNTED INDIVIDUAL ALUMINUM NUMERALS - REFER TO EXTERIOR ELEVATIONS

**SIGN REQUIREMENTS**

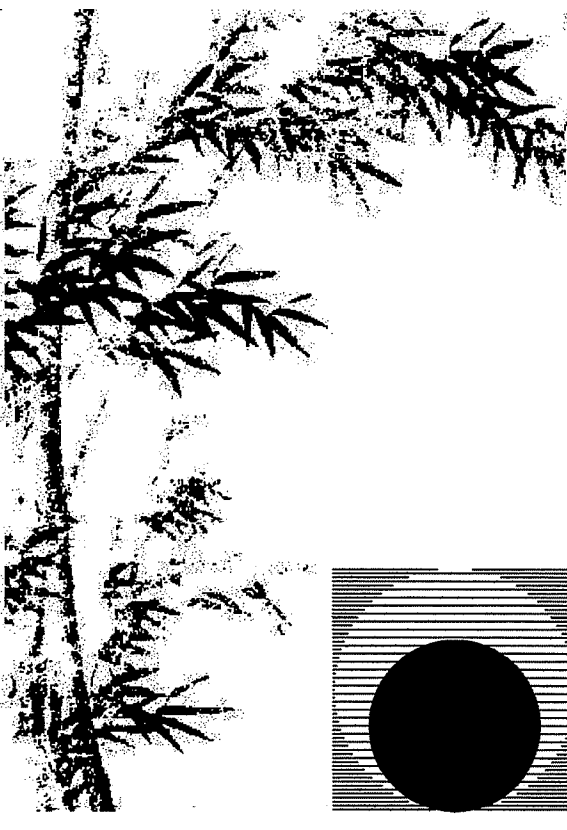
CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NONGLARE FINISH.

RAISED CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS.

VISUAL AND RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER 'O' IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER 'I'. STROKE THICKNESS OF THE UPPERCASE LETTER 'I' SHALL BE 10% MINIMUM AND 20% MAXIMUM OF THE HEIGHT OF THE CHARACTER.

BRILLE SHALL BE PLACED A MINIMUM OF 3/8" AND A MAXIMUM OF 1/2" DIRECTLY BELOW THE TACTILE CHARACTERS, FLUSH LEFT OR CENTERED.

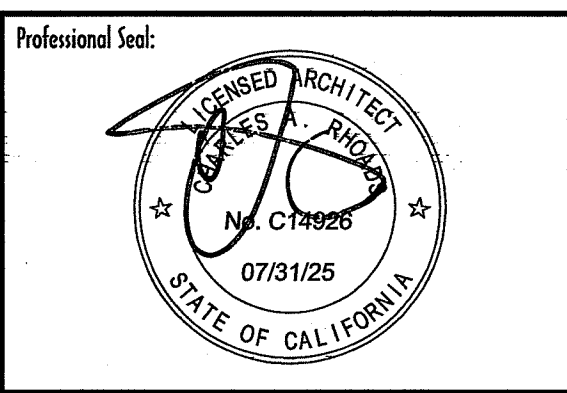
MOUNTING HEIGHT SHALL BE 48" MINIMUM, MEASURED FROM THE BASELINE OF THE LOWEST LINE OF BRILLE, AND 60" MAXIMUM, MEASURED FROM THE BASELINE OF THE HIGHEST RAISED CHARACTERS, ABOVE THE FINISH FLOOR OR GROUND SURFACE.



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Drawing Status:  
**Contract Document**

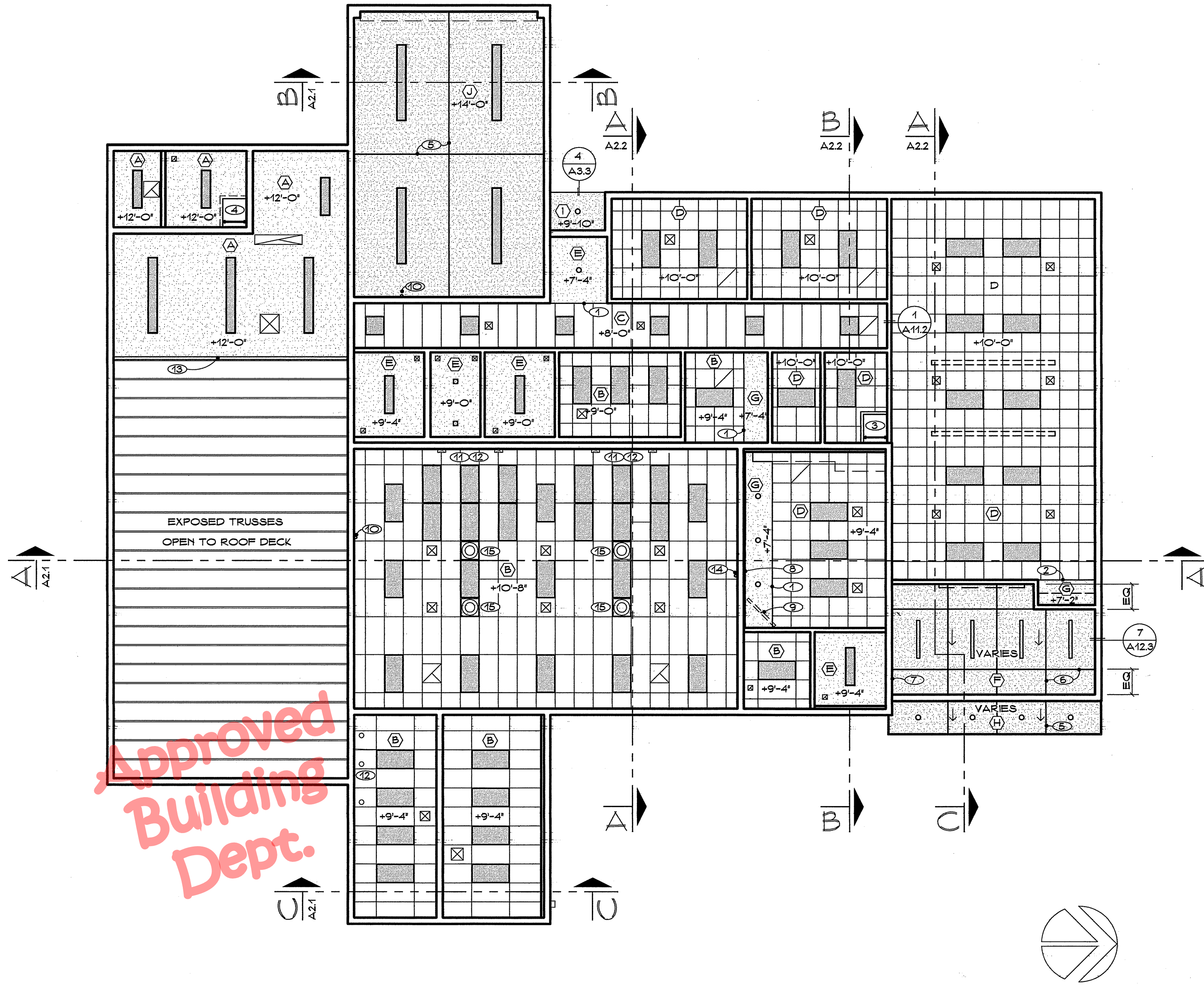
Revision Summary:

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Reflected Ceiling Plan**

Date: 11/16/23  
Project: 22-102  
Scale: 1/8" = 1'  
Sheet No.: **A11.1**  
Of 26 Sheets

CEILING KEY	
(A)	5/8" TYPE 'X' MOIST. RESIST. GYPSUM BOARD SMOOTH FINISH PAINT FINISH AS SCHEDULED PERIMETER ALUM. TRIM PER (3) A11.2  ATTACH TO BOTTOM OF TRUSSES 2x4 CROSS BLOCKING @ 16' O.C.
(B)	24" X 48" X 1" WASHABLE AND DISINFECTANT SAFE PANELS SHADOWLINE TAPERED EDGES WHITE COLOR USG #88343 'MARS HEALTHCARE HIGH-NRC' OR APPROVED EQUAL  15/16" WIDE EXPOSED GRID SYSTEM WASHABLE WITH ALUMINUM CAP DONN 'DNLA24' OR APPROVED EQUAL MATCHING WALL ANGLE MATCHING RETENTION CLIPS ON ALL PANELS
(C)	24" X FULL LENGTH X 1" CEMENTIOUS ACOUSTIC PANEL REVEAL ALL EDGES WHITE COLOR TECTUM 'FULL-SPAN CORRIDOR PANELS' OR APPROVED EQUAL  15/16" WIDE EXPOSED GRID SYSTEM MINIMUM 1 1/2" HEIGHT MAIN AND CROSS T'S WHITE COLOR DONN 'DX' OR APPROVED EQUAL DONN #MS174 'SHADOWLINE' MOLDING OR APPROVED EQUAL
(D)	24" X 24" X 7/8" FINE TEXTURE PANEL SHADOWLINE EDGES WHITE COLOR USG #76524 'ECLIPSE HIGH NRC' OR APPROVED EQUAL  9/16" WIDE EXPOSED GRID SYSTEM WHITE COLOR DONN 'DX' CENTRICITEE' OR APPROVED EQUAL DONN #MS174 'SHADOWLINE' MOLDING OR APPROVED EQUAL
(E)	5/8" TYPE 'X' MOIST. RESIST. GYPSUM BOARD SMOOTH FINISH PAINT FINISH AS SCHEDULED PERIMETER ALUM. TRIM PER (3) A11.2  2x8 @ 16' O.C. CEILING JOISTS BLOCKING AS REQUIRED  HEIGHT: INDICATED
(F)	5/8" TYPE 'X' GYPSUM BOARD HEAVY TEXTURE TO MATCH (H) P-7 PAINT FINISH PERIMETER ALUM. TRIM PER (4) A12.3 (7) A12.3  ATTACH TO BOTTOM OF RAFTERS BLOCKING AS REQUIRED
(G)	FRAMED DROPPED SOFFIT PERIMETER ALUM. TRIM PER (2) A11.2 (3) A11.2  TEXTURE AND PAINT AS DETAILED HEIGHT: INDICATED
(H)	CEMENT PLASTER OVER HIGH-RIB METAL LATH OVER POLYOLEFIN BUILDING WRAP OVER PLYWOOD SHEATHING ACRYLIC FINISH FOLLOWED WITH P-51 PAINT ATTACH TO BOTTOM OF RAFTERS BLOCKING AS REQUIRED
(I)	CEMENT PLASTER OVER HIGH-RIB METAL LATH OVER POLYOLEFIN BUILDING WRAP OVER PLYWOOD SHEATHING ACRYLIC FINISH FOLLOWED WITH P-51 PAINT 2x8 @ 16' O.C. CEILING JOISTS BLOCKING AS REQUIRED
(J)	CEMENT PLASTER OVER HIGH-RIB METAL LATH OVER POLYOLEFIN BUILDING WRAP OVER PLYWOOD SHEATHING ACRYLIC FINISH TO MATCH PLASTER WALLS ATTACH TO BOTTOM OF TRUSSES BLOCKING AS REQUIRED

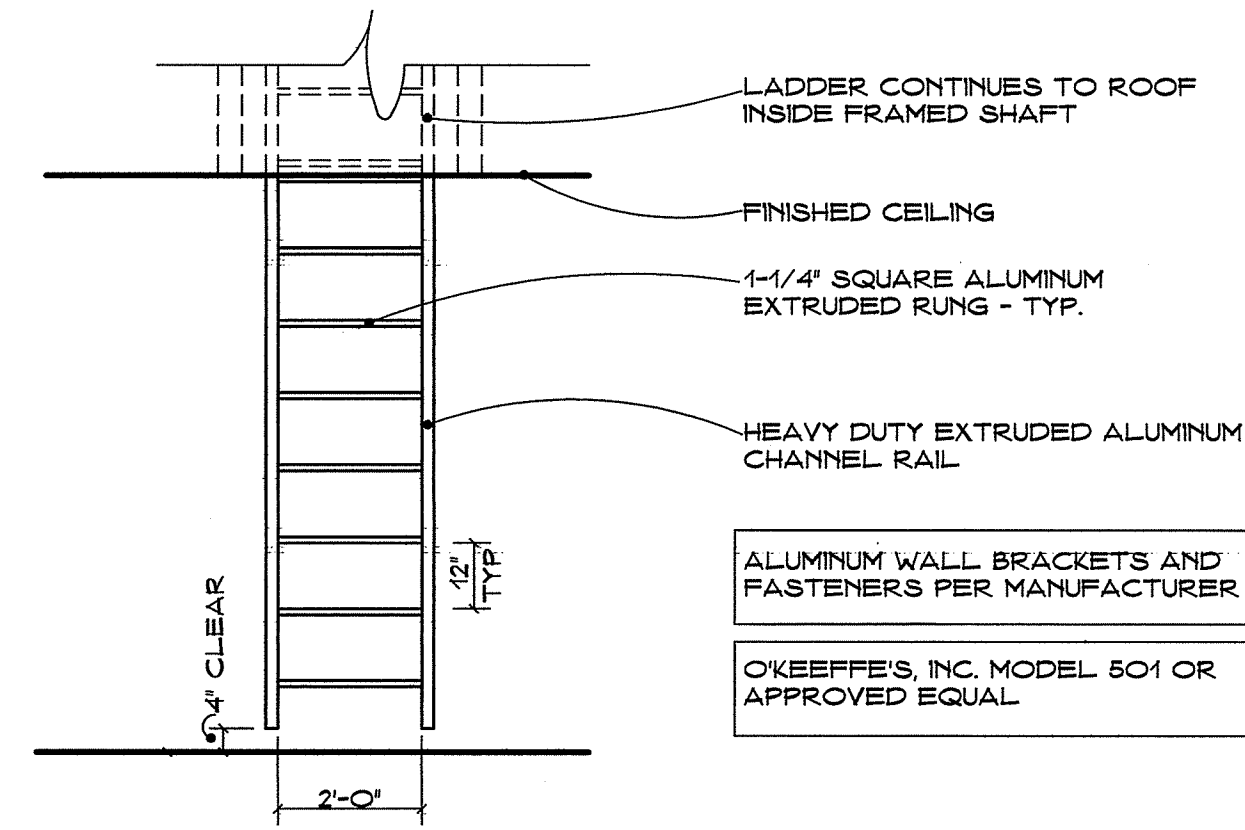


REFLECTED CEILING PLAN

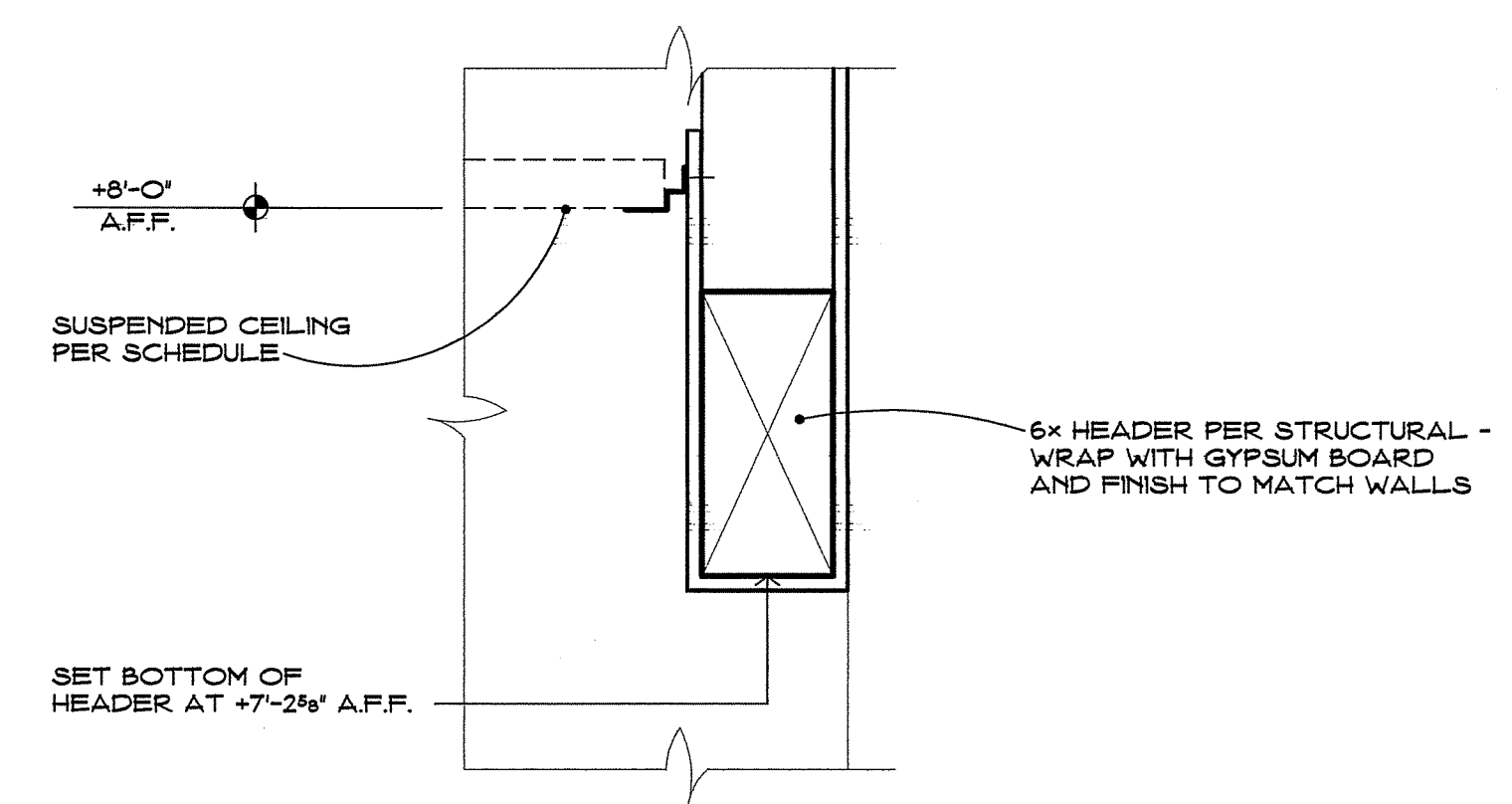
SCALE: 1/8" = 1'-0"

KEY NOTES (THIS SHEET ONLY)

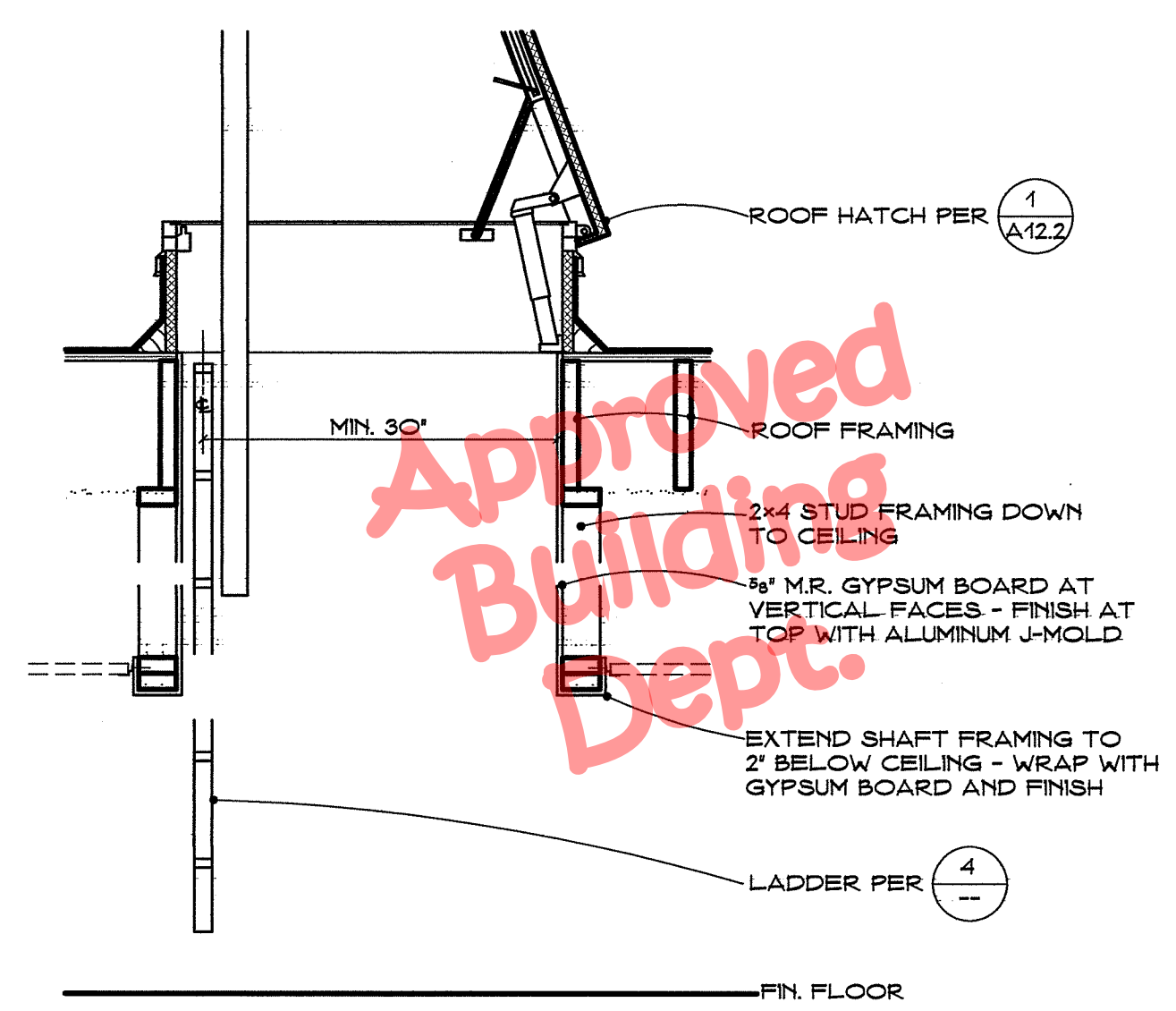
- (1) ALUMINUM X MOLDING AT FRONT OF SOFFIT - ALUMINUM F MOLDING AT SIDES AND BACK OF SOFFIT - REFER TO (2) (3) A11.2 A11.2
- (2) ALUMINUM X MOLDING AT FRONT OF SOFFIT - ALUMINUM F MOLDING AT SIDES OF SOFFIT - REFER TO (2) (3) A11.2 A11.2
- (3) ROOF ACCESS SHAFT PER (5) A11.2
- (4) ROOF ACCESS SHAFT PER (6) A11.2
- (5) 1/2" ALUMINUM DRYWALL F MOLDING AT ALL SIDES EXCEPT EAST - FRY FDM-625-50 OR EQUAL
- (6) CONTINUOUS RECESSED TRACK FOR ROLLING WHITE BOARD PER (5) A9
- (7) VIDEO MONITOR MOUNTED FROM SOFFIT - REFER TO SHEET EQ2
- (8) PROVIDE STAINLESS STEEL ESCUTCHEON WHERE REMOTE STATION CONDUIT RISER ENTERS CEILING
- (9) PROVIDE ADDITIONAL GRID FRAMING AS REQUIRED AT EXHAUST VENT PENETRATION
- (10) SEAL EXHAUST VENT PENETRATION TO MATCH CEILING - TYPICAL FOR 7
- (11) STAINLESS STEEL FRONT ASSEMBLY OF WALK-IN BOX PER SHEET EQ2 TO EXTEND UP TO ADJACENT FINISHED CEILING
- (12) PROVIDE STAINLESS STEEL ESCUTCHEON WHERE EMERG. SHOWER FEED RISER ENTERS CEILING
- (13) SKYLIGHT DIFFUSER



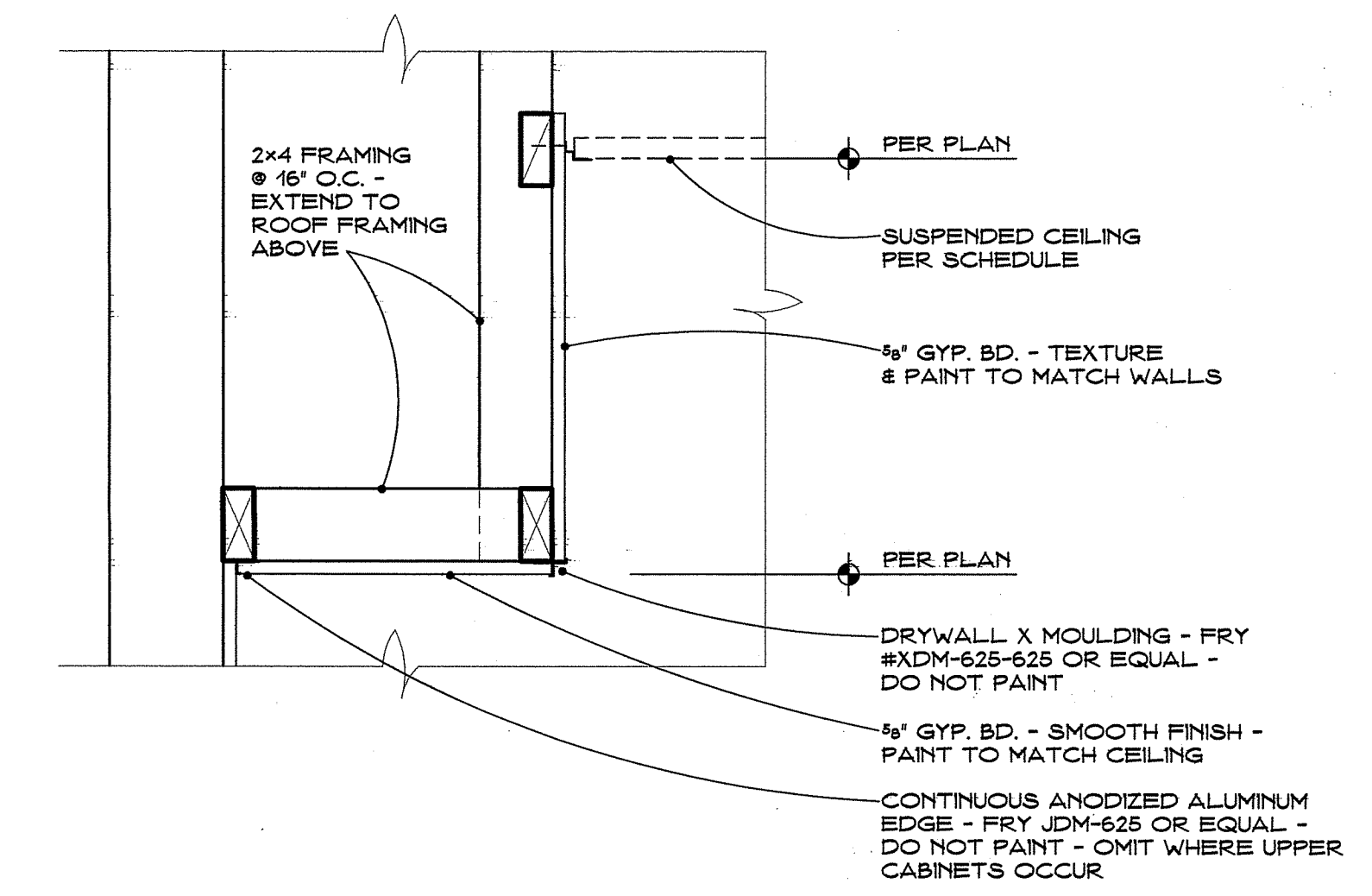
**4** TYPICAL ROOF ACCESS LADDER  
NO SCALE



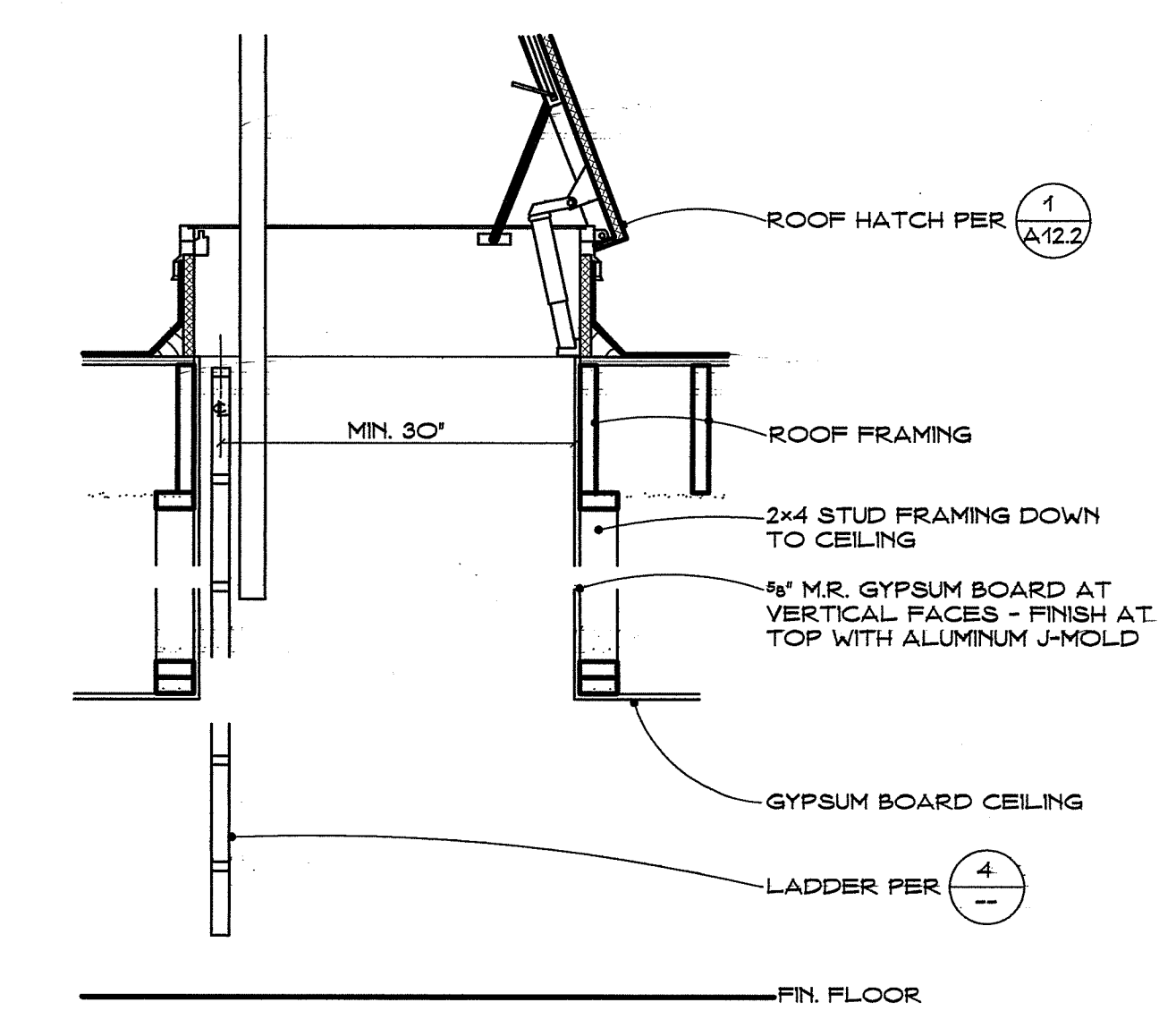
**1** DROPPED HEADER AT CORRIDOR  
NO SCALE



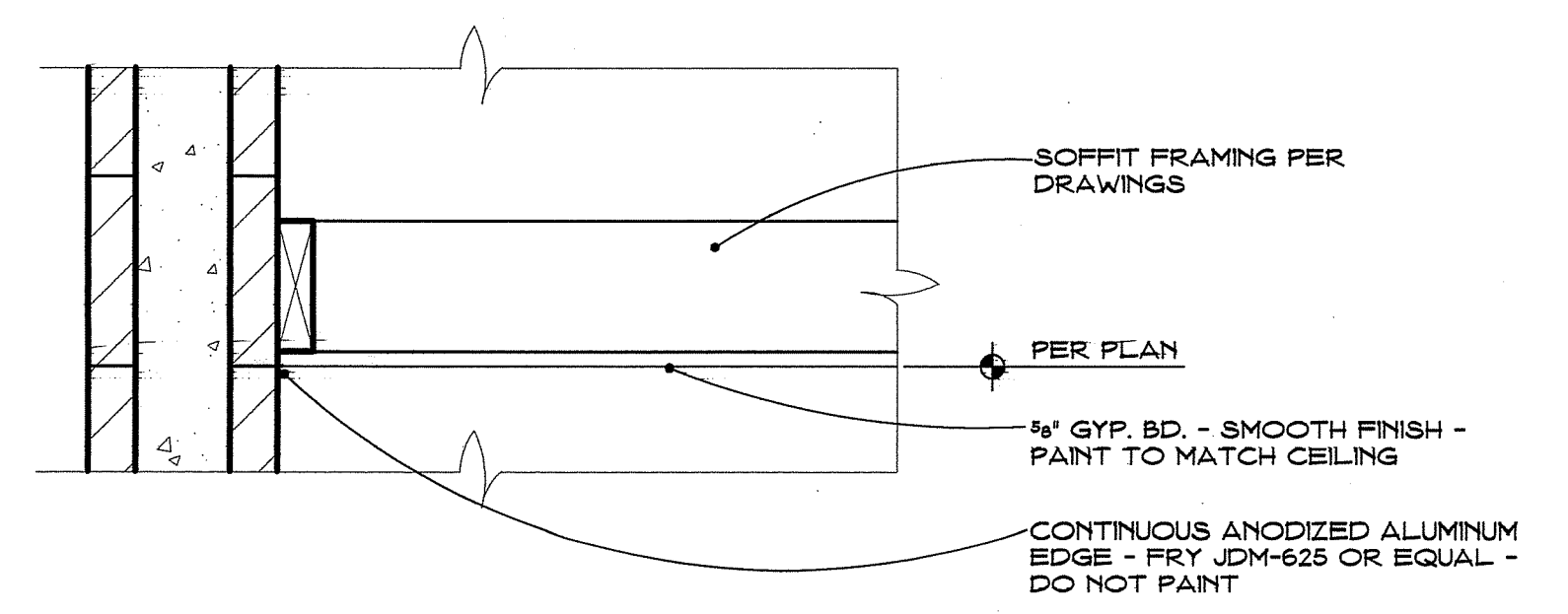
**5** ROOF ACCESS SHAFT AT SUSPENDED CEILING  
NO SCALE



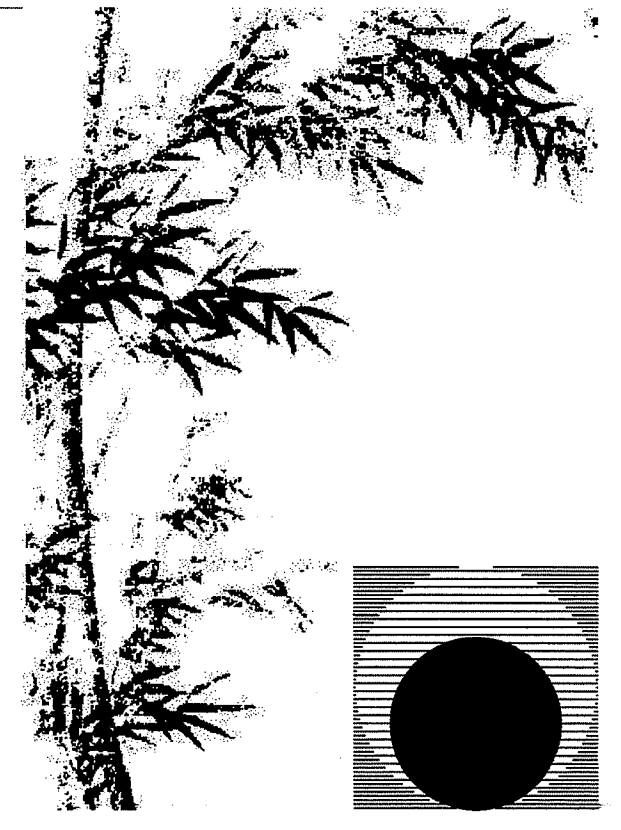
**2** TYPICAL SOFFIT FRAMING AND FINISH  
NO SCALE



**6** ROOF ACCESS SHAFT AT GYPSUM BOARD CEILING  
NO SCALE



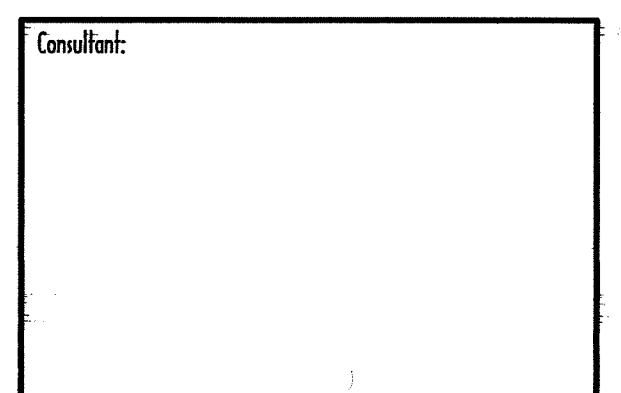
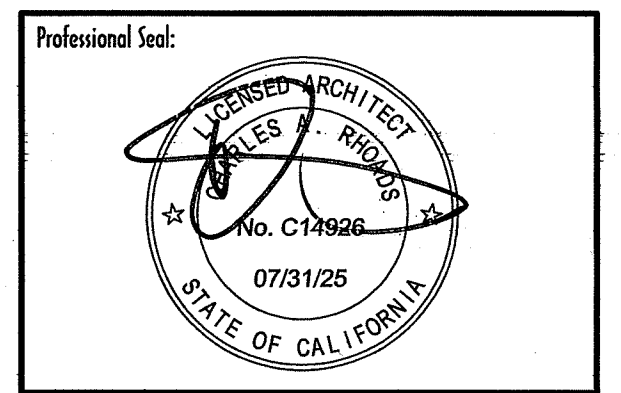
**3** TYPICAL SOFFIT AT SIDE WALL  
NO SCALE  
CMU SHOWN - FRAME SIMILAR



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Drawing Status:

**Contract Document**

Revision Summary:


Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Details**

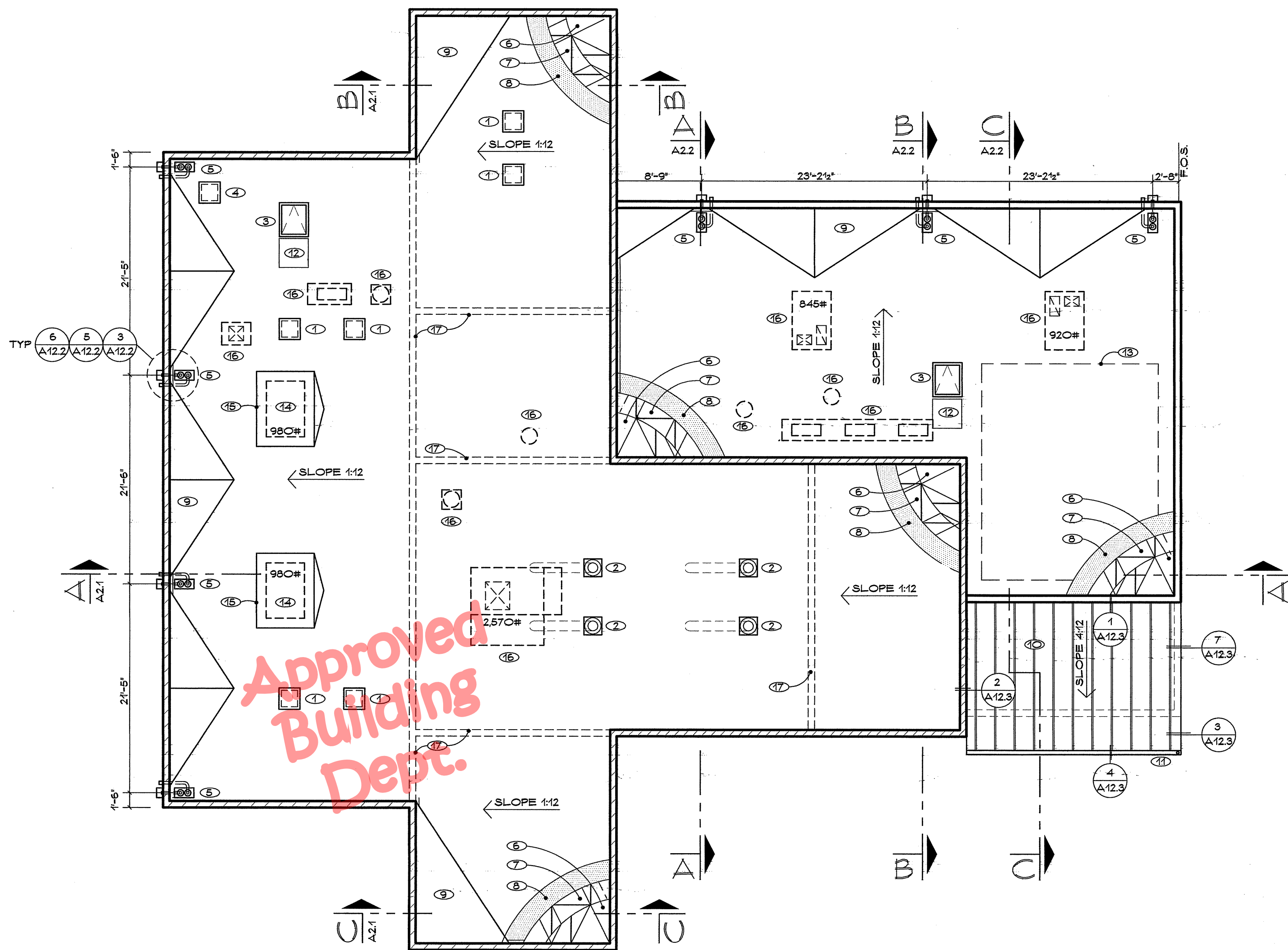
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Project: 22-102  
Scale: Indicated

Sheet No.: **A11.2**  
Of 26 Sheets

KEY NOTES (THIS SHEET ONLY)

- ① GRAVITY RELIEF ATTIC VENT WITH 20" x 20" THROAT LOCATED BETWEEN ROOF TRUSSES WITH INTEGRAL FACTORY ROOF CURB - GREENHECK FGR OR EQUAL
- ② TUBULAR SKYLIGHT ON PREFABRICATED CURB - REFER TO (2) EQUAL LENGTH TUBE RUNS
- ③ ROOF HATCH - REFER TO (1)
- ④ GRAVITY RELIEF ROOM VENT PER MECHANICAL
- ⑤ COMBINATION ROOF DRAIN AND OVERFLOW - REFER TO PLUMBING SHEETS AND ADJUST OVERFLOW HEIGHT TO 2' ABOVE DRAIN INLET - TYPICAL
- ⑥ 5/8" SPAN RATED 40/20 C-D EXPOSURE 1 PLYWOOD ROOF DECK - #10 @ 6" O.C. EDGES AND #10 @ 12" O.C. FIELD - TYPICAL FOR ENTIRE ROOF AREA
- ⑦ UNDERLAYMENT BOARDS PER ROOFING SPECIFICATIONS - INSTALL PER MANUFACTURER - TYPICAL FOR ENTIRE ROOF AREA
- ⑧ MEMBRANE ROOFING SYSTEM PER SPECIFICATIONS SECTION 07542 - INSTALL PER MANUFACTURER - TYPICAL FOR ENTIRE ROOF AREA
- ⑨ TAPERED FOAM CRICKET SYSTEM PER ROOFING MANUFACTURER - TYPICAL
- ⑩ STANDING SEAM METAL ROOFING PER SPECIFICATIONS SECTION 07610
- ⑪ PREFABRICATED .032 ALUMINUM GUTTER SYSTEM PER SPECIFICATIONS SECTION 07713 - WITH PREFABRICATED .032 ALUMINUM 3" DIAMETER DOWNSPOUT
- ⑫ 3'-0" X 3'-0" WALKWAY PER ROOFING MANUFACTURER
- ⑬ SOLAR ZONE
- ⑭ WALK-IN BOX CONDENSING UNIT
- ⑮ PREFABRICATED CURB ASSEMBLY
- ⑯ HVAC EQUIPMENT PER MECHANICAL
- ⑰ CMU WALLS BELOW - REFER TO SHEET A4

**B. Multifamily buildings, hotel/motel occupancies and nonresidential buildings.** The solar zone shall be located on the roof or overhang of the building or on the roof or overhang of another structure located within 250 feet of the building or on covered parking installed with the building project, and shall have a total area no less than 15 percent of the total roof area of the building excluding any skylight area. The solar zone requirement is applicable to the entire building, including mixed occupancy.

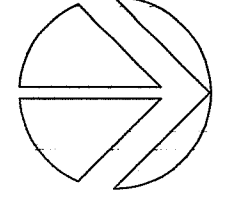


NOTE:  
ALL ATTIC AREAS SHALL BE PROVIDED WITH R-38 FSK-FACED FIBERGLASS BATT INSULATION

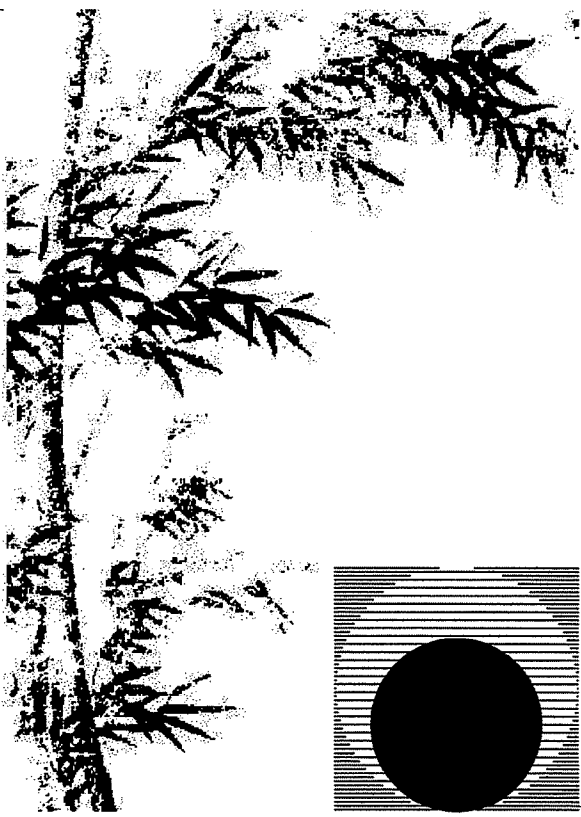
**ATTIC VENTILATION**

<b>SALLY PORT :</b>	<b>WALK-IN BOX &amp; SUPPORT AREA :</b>
ATTIC AREA = 600 S.F.	ATTIC AREA = 1634 S.F.
600/150 = 4.0 S.F. = 576 S.I. ←	1634/150 = 10.9 S.F. = 1570 S.I. ←
(2) 20" x 20" VENT = 800 S.I. ←	(4) 20" x 20" VENT = 1600 S.I. ←

ROOF PLAN



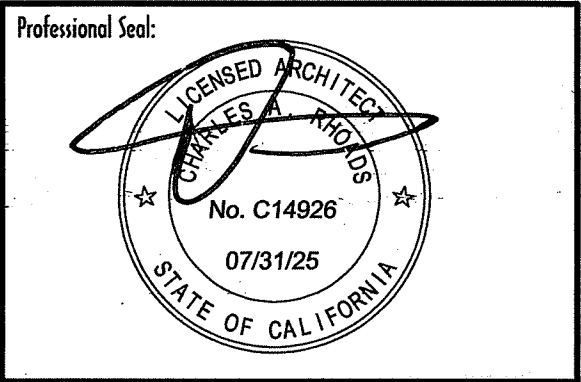
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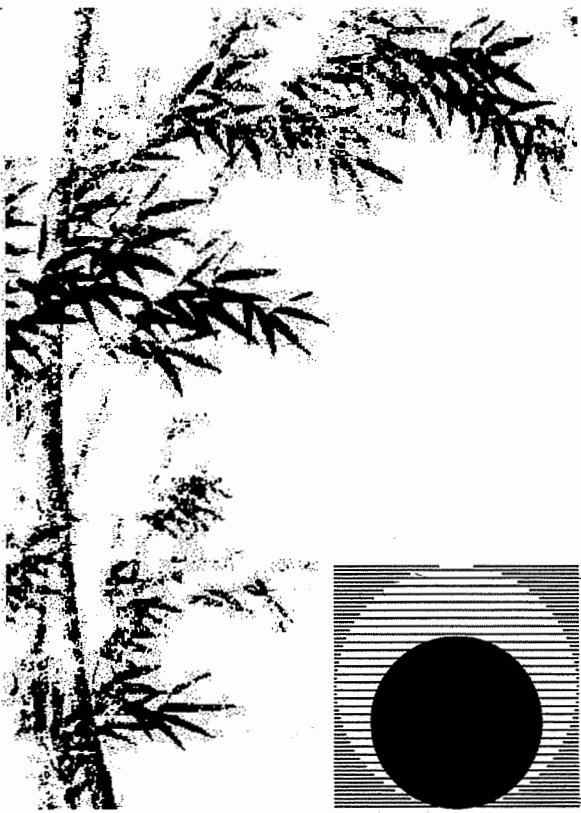
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**Contract Document**

Revision Summary:

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**Roof Plan**

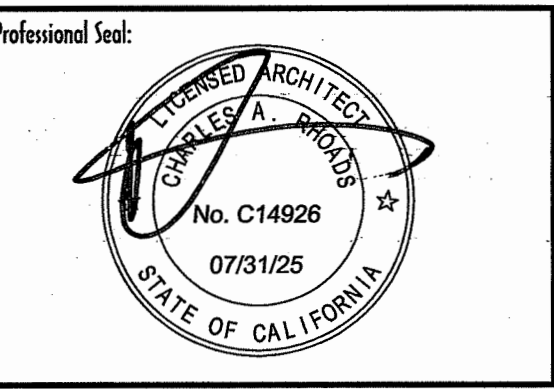
Date: 11/16/23  
Project: 22-102  
Scale: 1/8" = 1'  
Sheet No.: **A12.1**  
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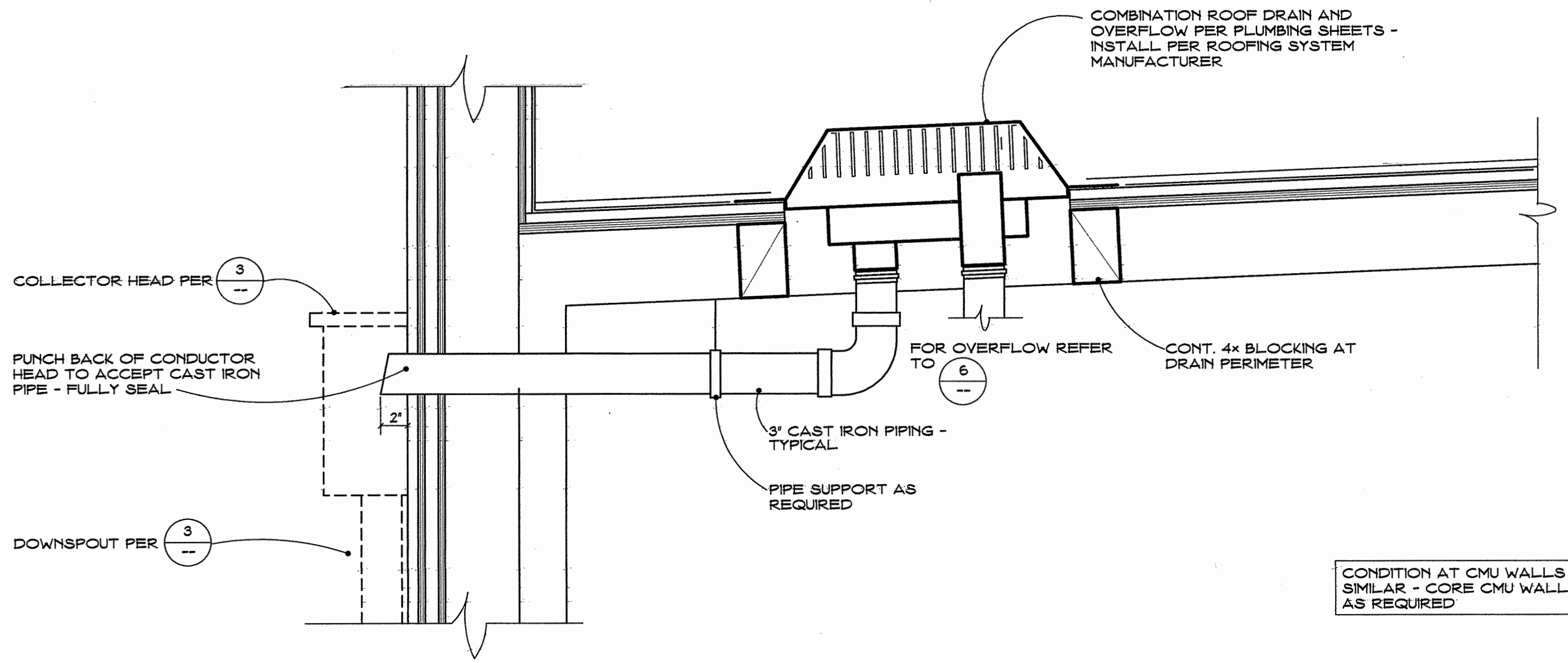
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**New Morgue Building**  
Tulare County Sheriff  
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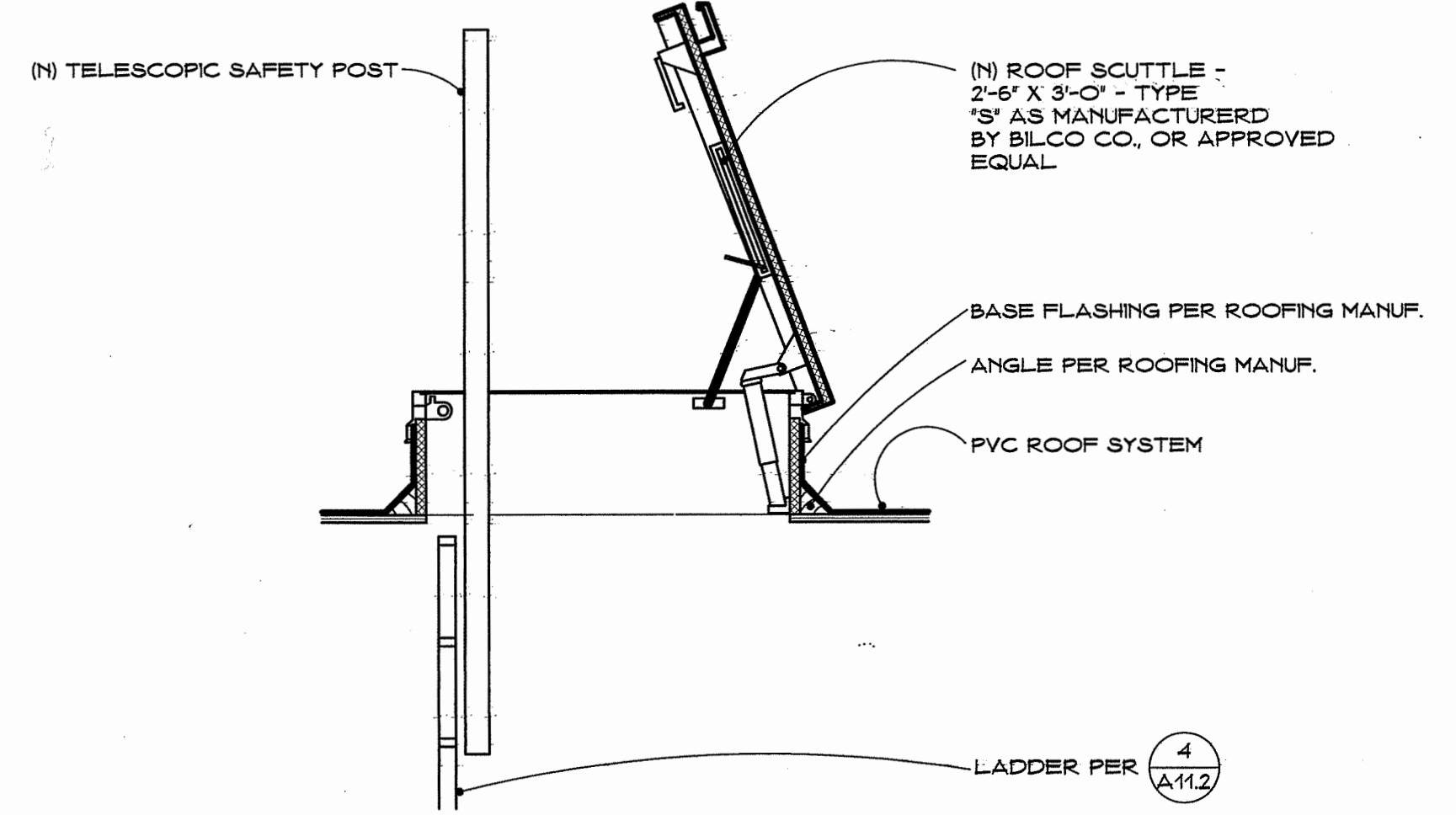
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**A12.2**

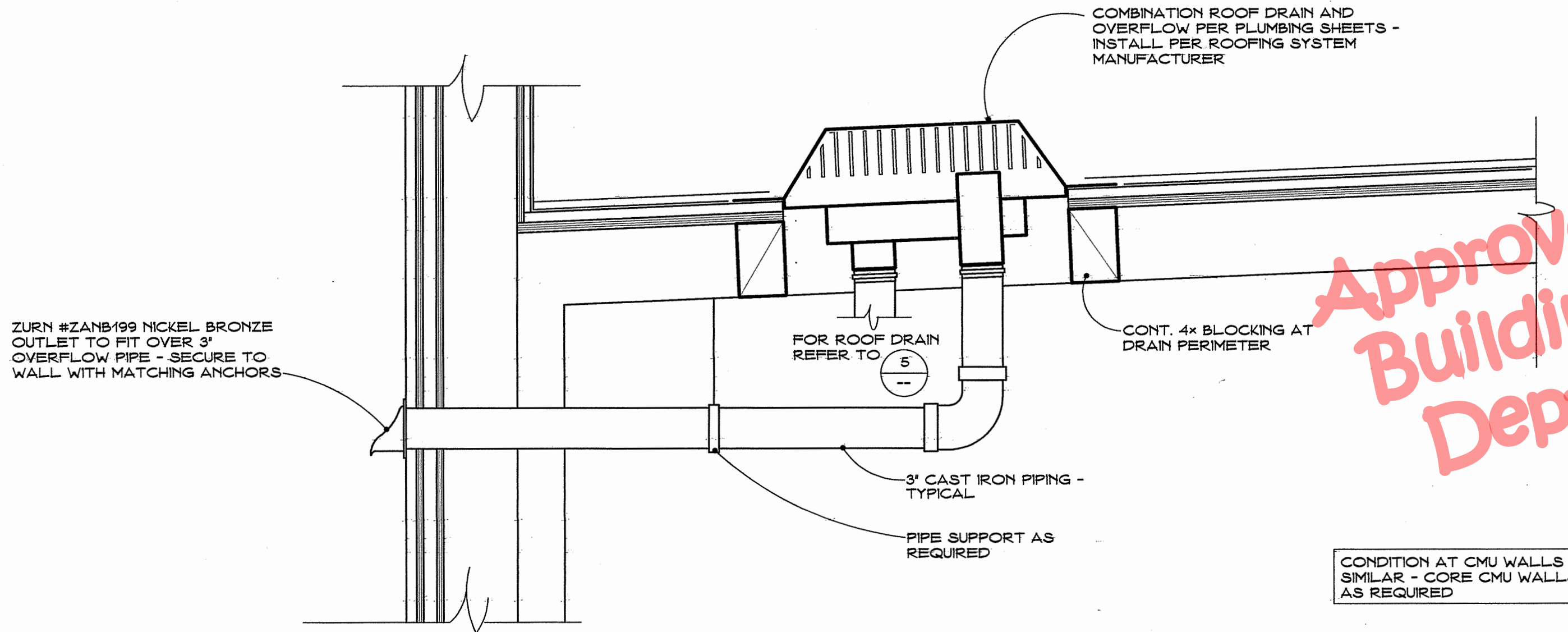
Of 26 Sheets



**5** TYPICAL ROOF DRAIN, HEAD AND DOWNSPOUT  
NO SCALE

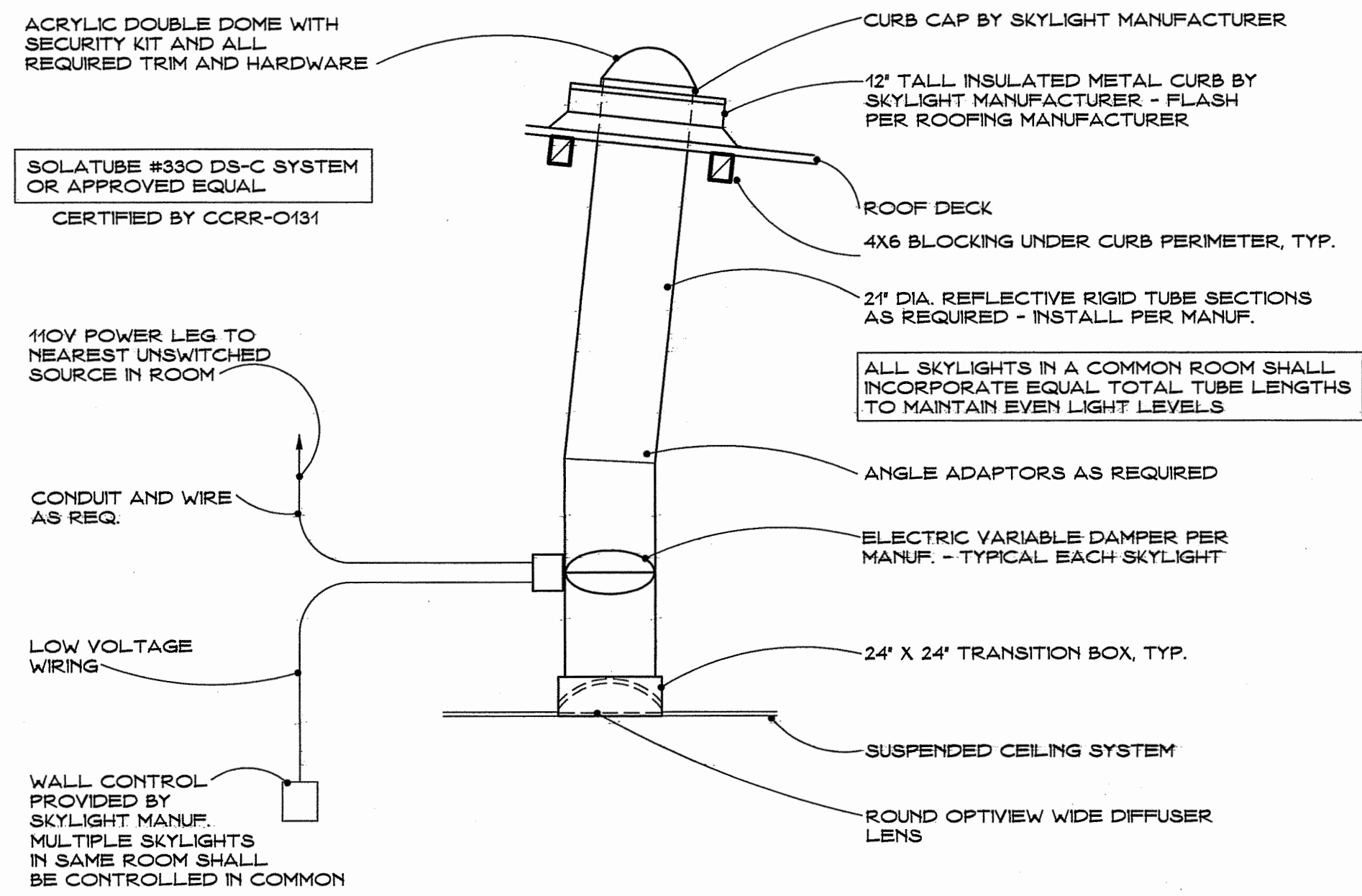


**1** TYPICAL ROOF HATCH  
NO SCALE

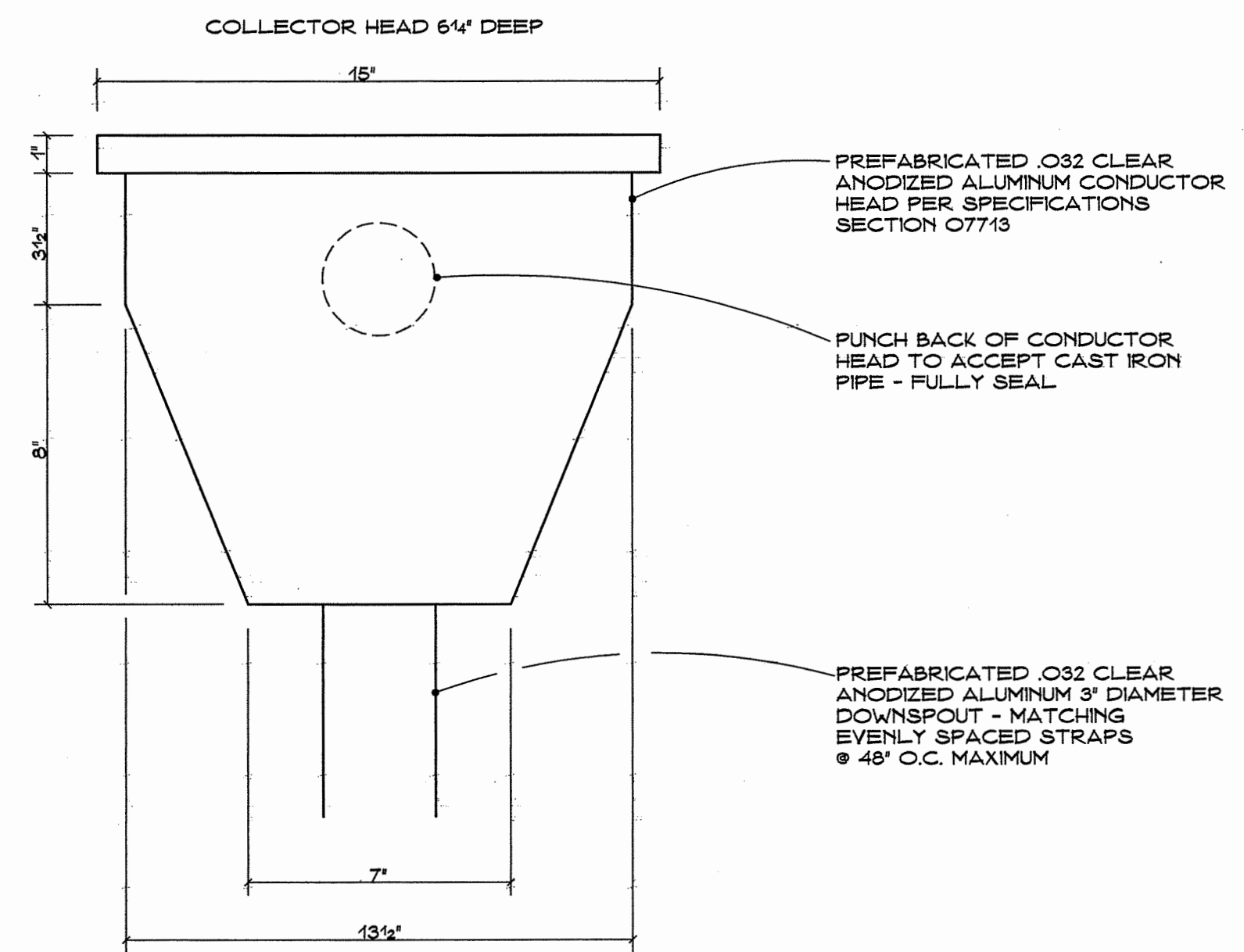


**Approved Building Dept.**

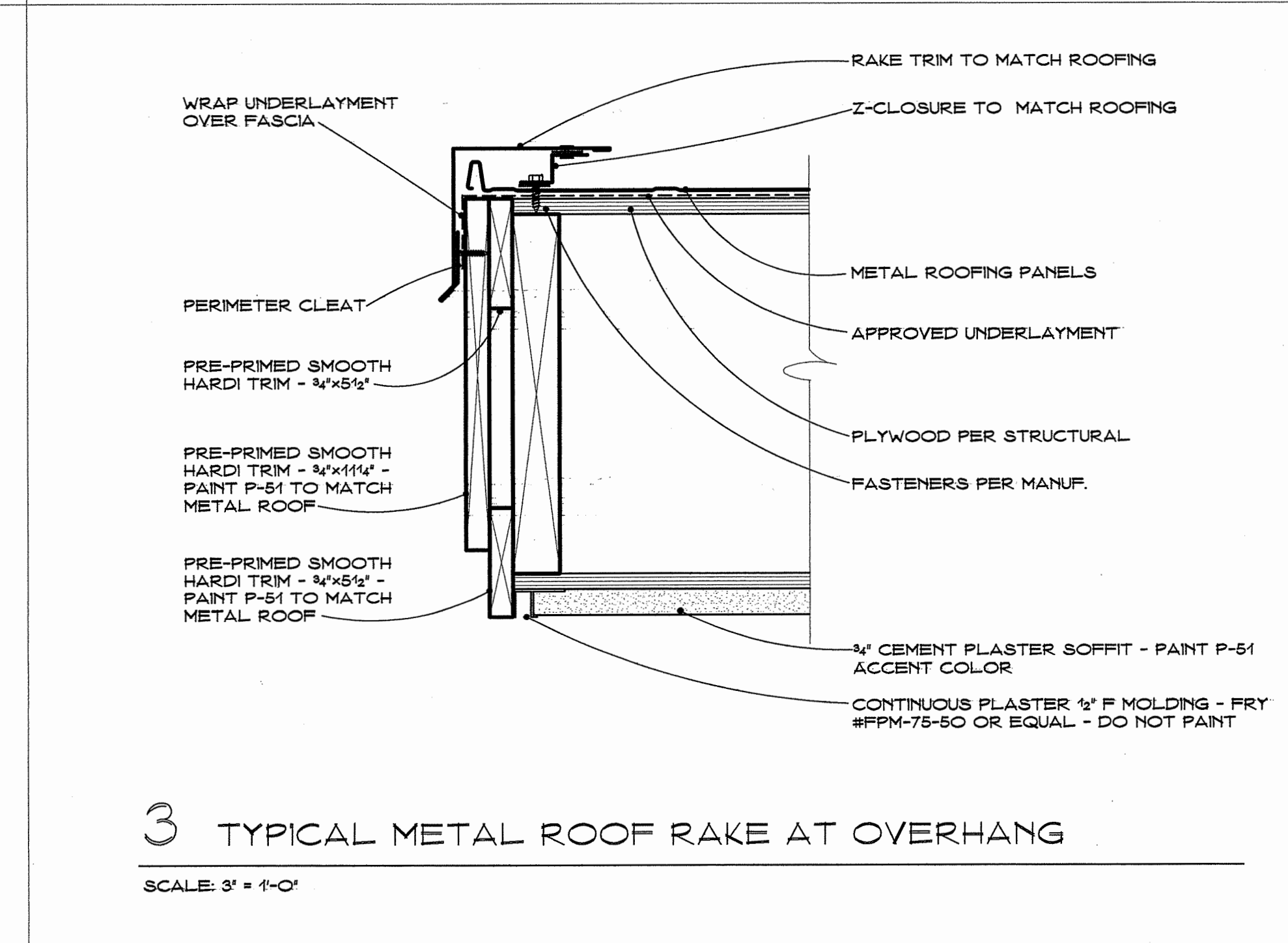
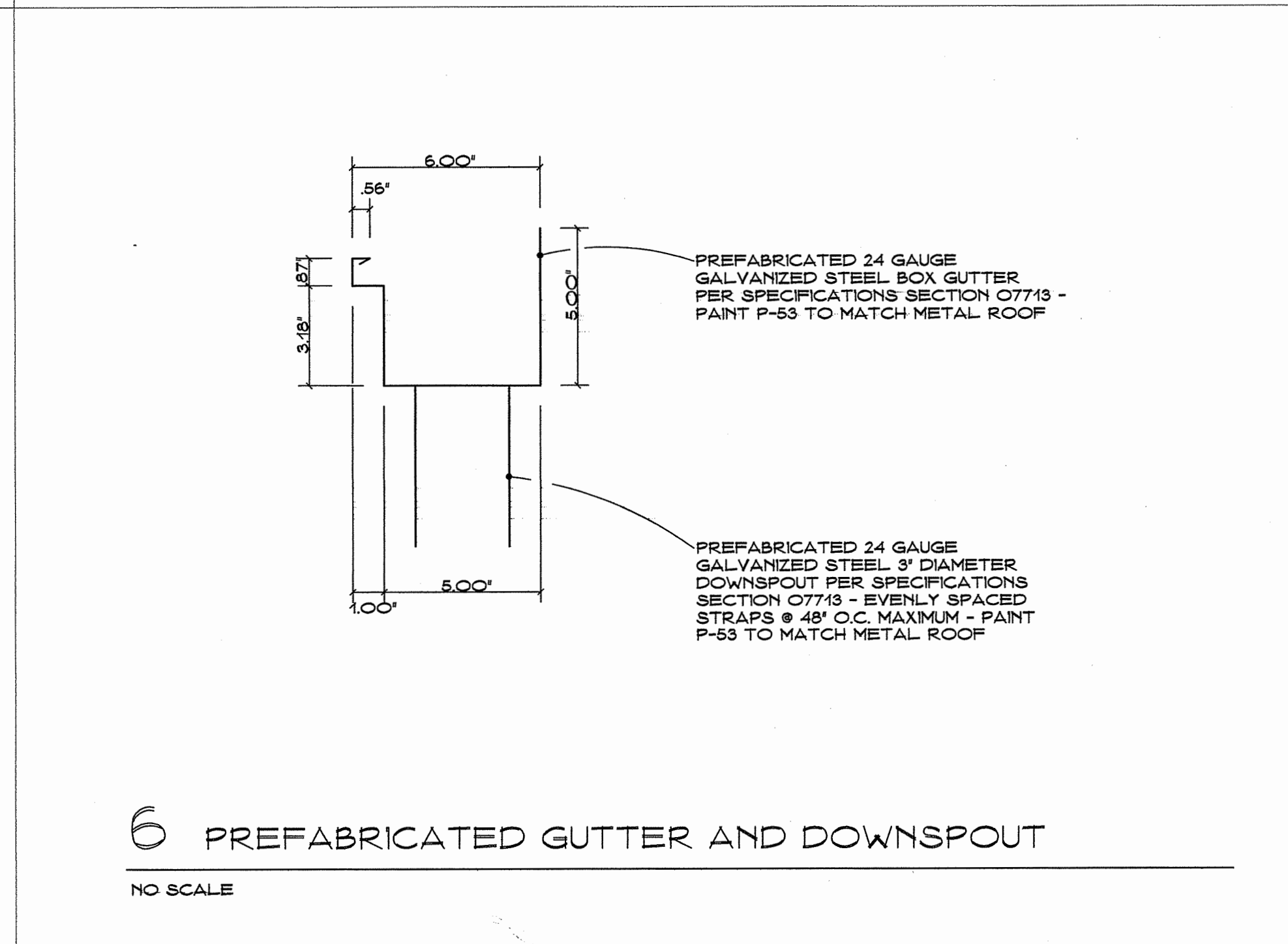
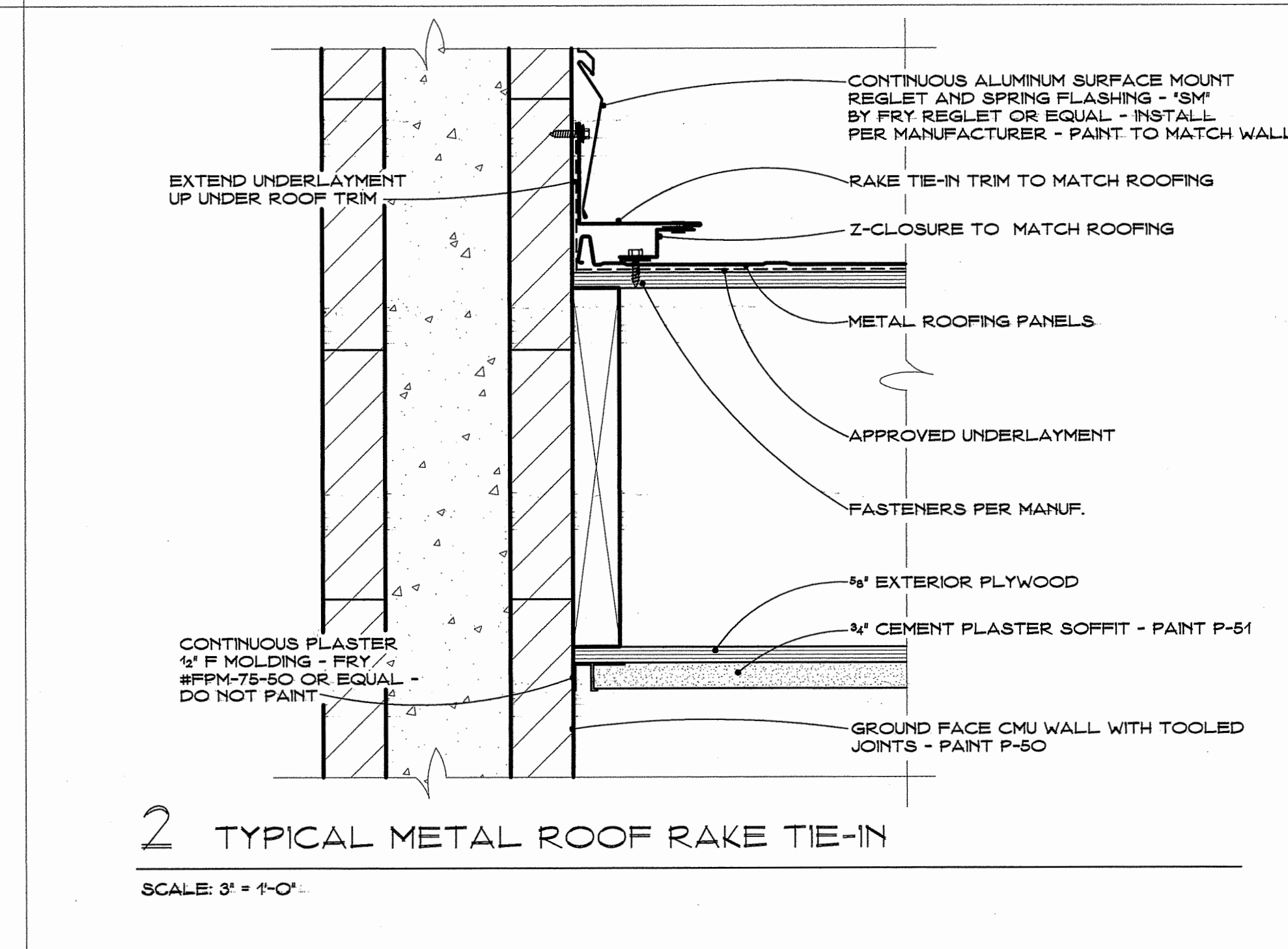
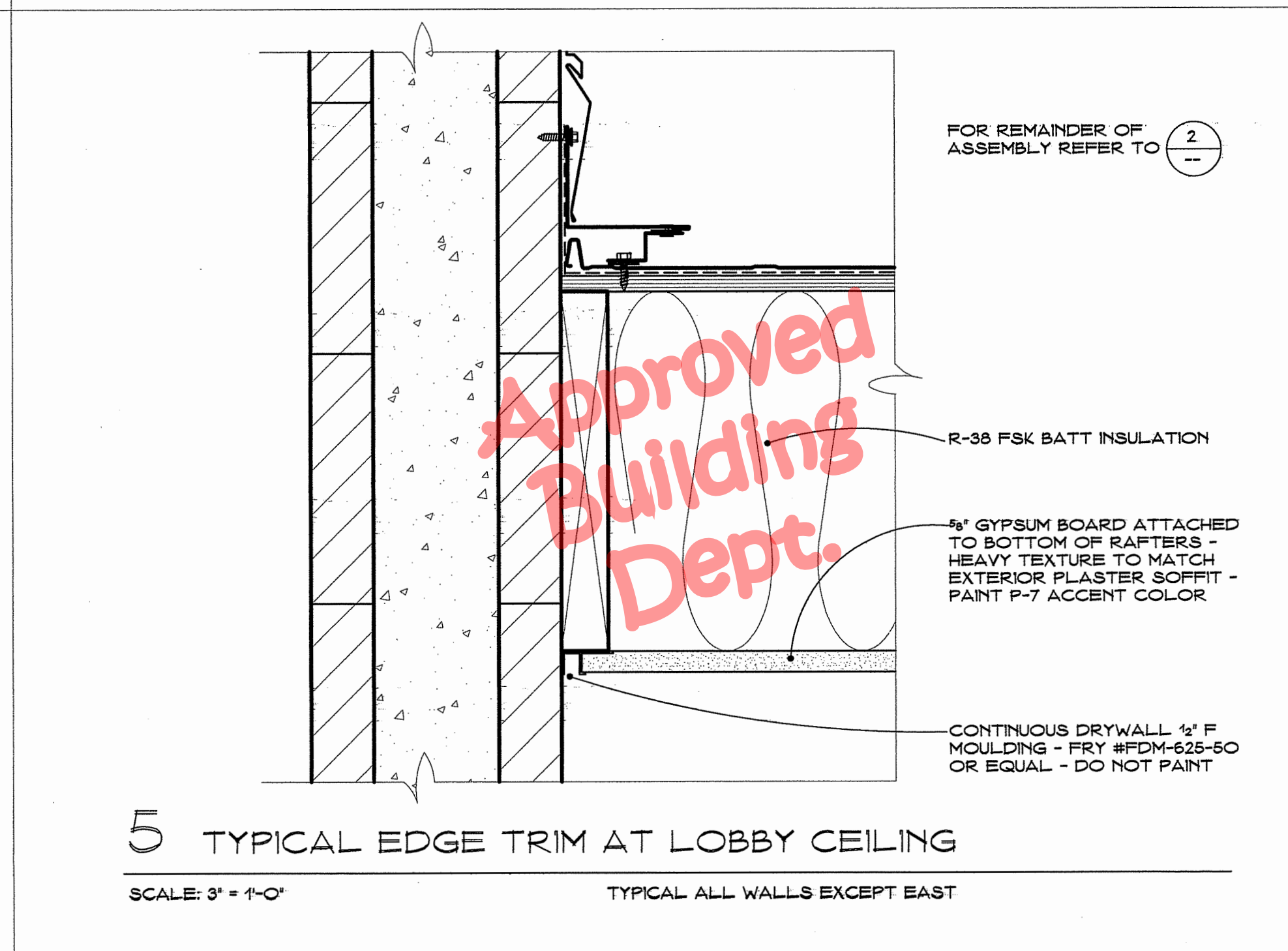
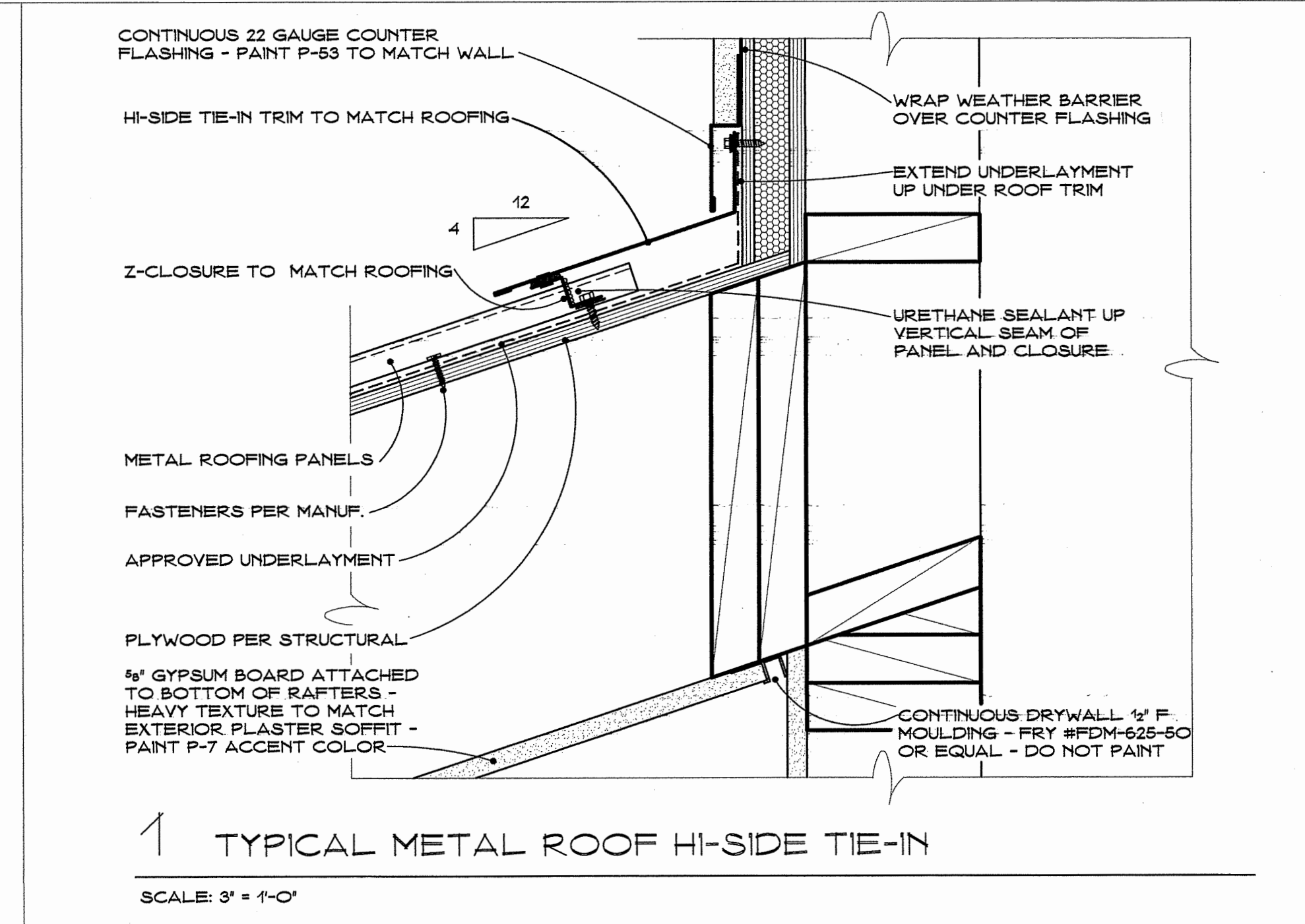
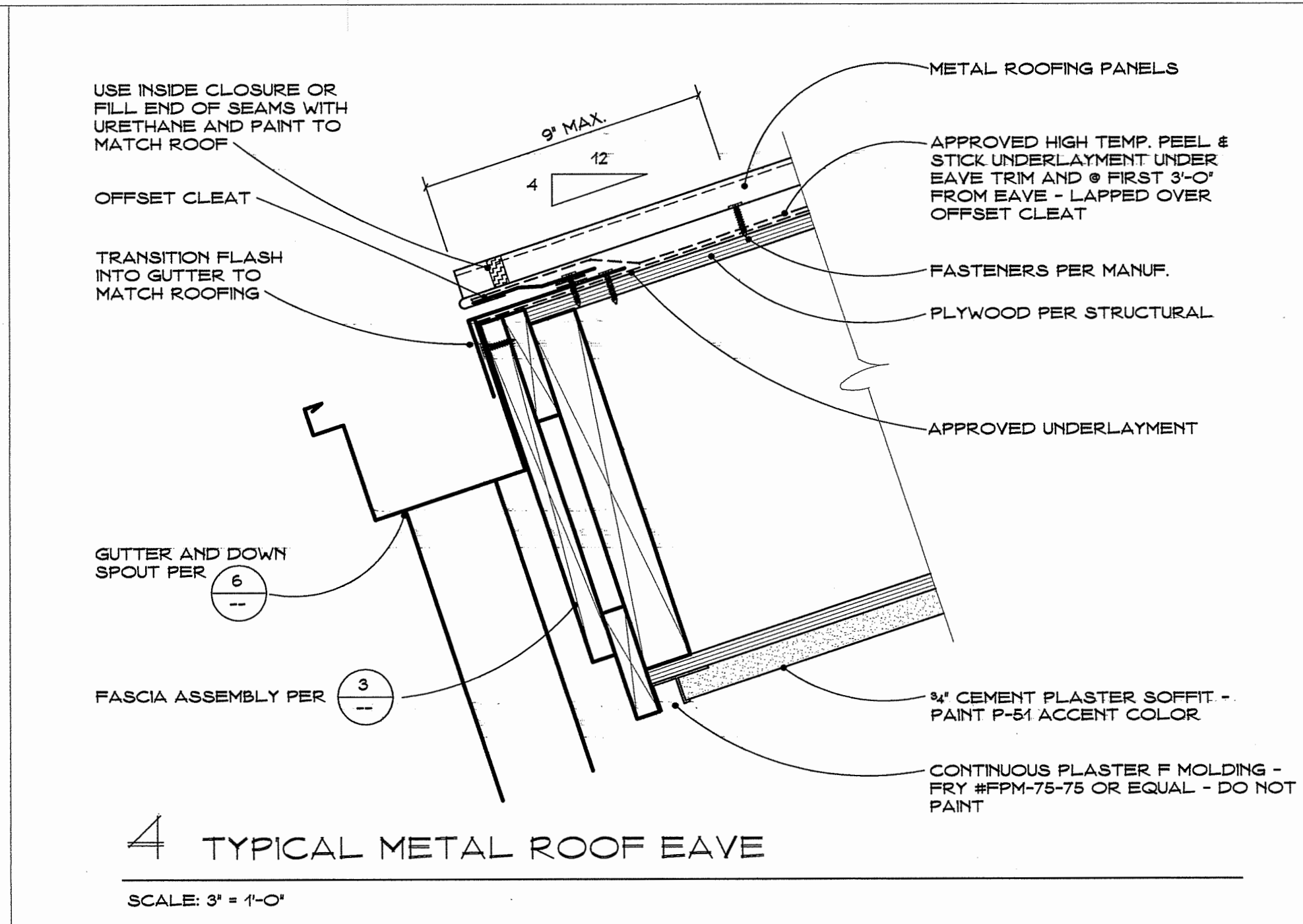
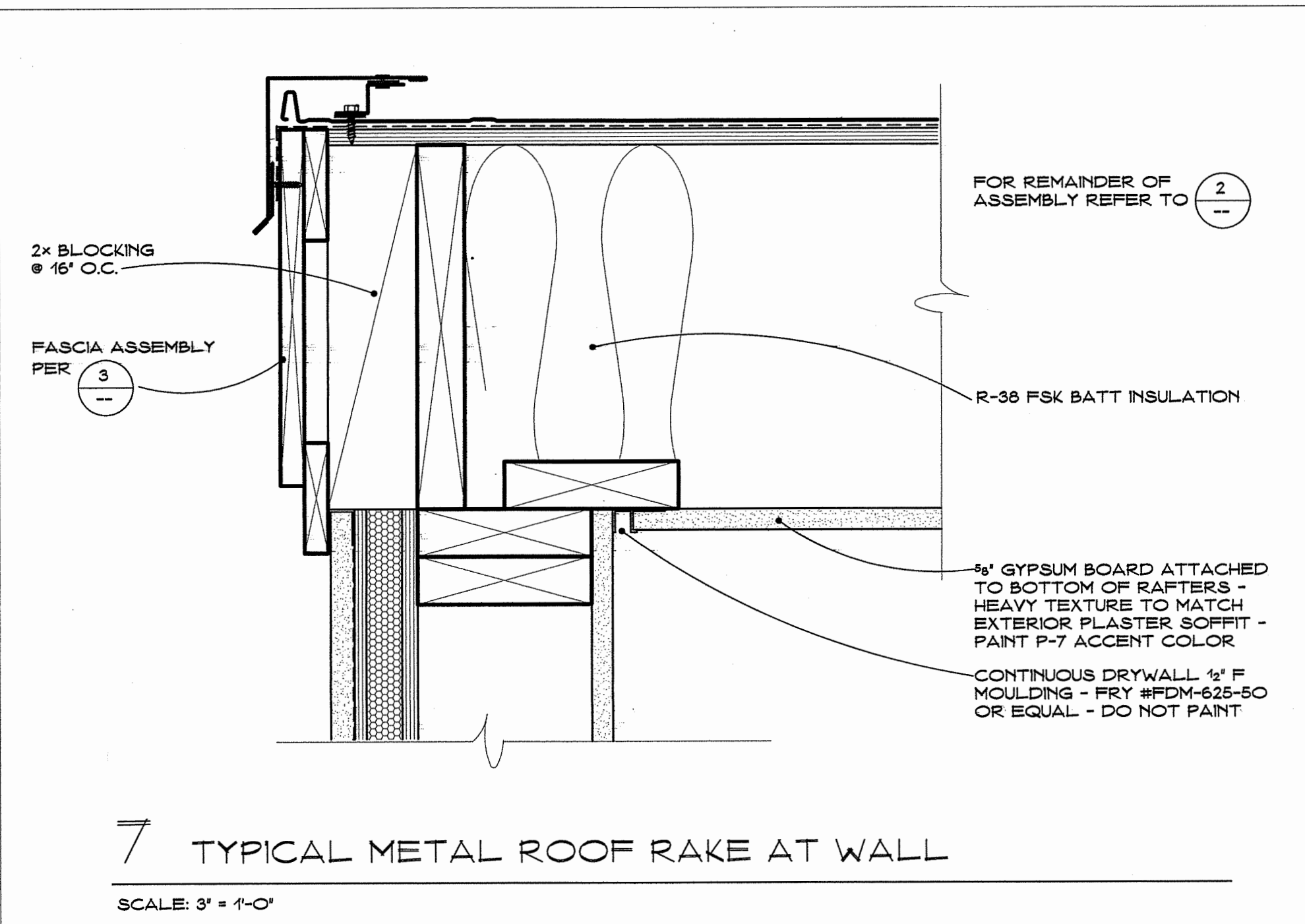
**6** TYPICAL ROOF OVERFLOW  
NO SCALE



**2** TUBULAR SKYLIGHT REQUIREMENTS  
NO SCALE



**3** PREFABRICATED COLLECTOR HEAD AND DOWNSPOUT  
NO SCALE



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Details

Date: 11/16/23  
Project: 22-102  
Scale: Indicated  
Sheet No.: A12.3  
Of 26 Sheets



2022 CALGREEN CODE MANDATORY MEASURES CHECKLIST - NONRESIDENTIAL - A5.602

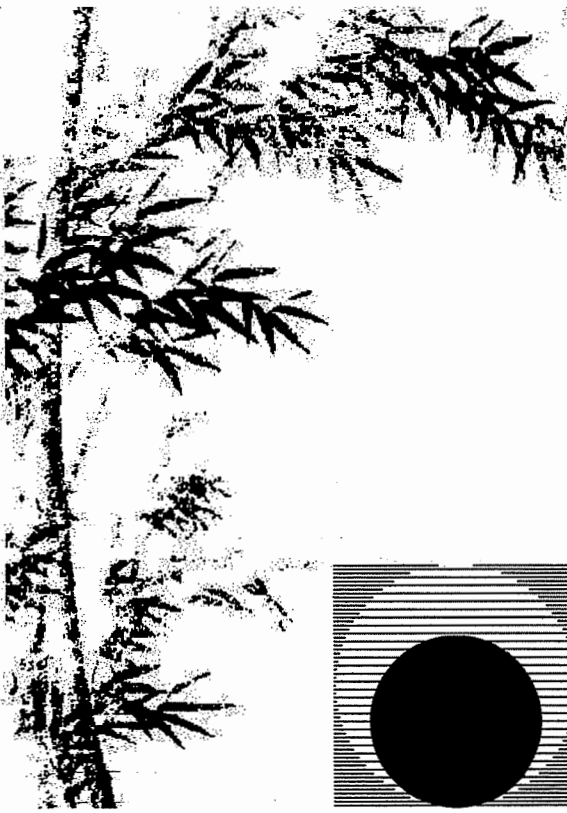
DIVISION 5.1: PLANNING AND DESIGN					
SECTION TITLE	CODE SECTION	YES	NO	N/A	PLAN SHEET, SPEC, OR OTHER
STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN 1 ACRE OF LAND	5.106.1 THRU 5.106.2	●			DRAWING CG1 SPEC 01060
SHORT-TERM BICYCLE PARKING	5.106.4.1.1	●			DRAWING SD2
LONG-TERM BICYCLE PARKING	5.106.4.1.2 THRU 5.106.4.1.5			●	
EV CHARGING WITH EXCEPTIONS	5.106.5.3			●	
EV CAPABLE SPACES	5.106.5.3.1	●			DRAWING SD2
EV CHARGING STATIONS	5.106.5.3.2			●	
USE OF AUTOMATED LOAD MANAGEMENT SYSTEMS	5.106.5.3.3			●	
ACCESSIBLE EV CHARGING	5.106.5.3.4	●			DRAWING SD2
NOTE FOR EV CHARGING STATION SIGNS	5.106.5.3			●	
TABLE 5.106.5.3.1 WITH FOOTNOTES	5.106.5.3.1 THRU 5.106.5.3.3			●	
EV CHARGING: MEDIUM-DUTY AND HEAVY-DUTY	5.106.5.4			●	
EV CHARGING READINESS FOR WAREHOUSES, GROCERY STORES, AND RETAIL STORES WITH PLANNED OFF-STREET LOADING	5.106.5.4.1			●	
TABLE 5.106.5.4.1	5.106.5.4 AND 5.106.5.4.1			●	
LIGHT POLLUTION REDUCTION	5.106.5.8 THRU 5.106.5.2	●			DRAWING EO.1
GRADING AND PAVING (EXCEPTION FOR ADDITIONS/ALTERATIONS NOT ALTERING THE DRAINAGE PATH)	5.106.10	●			DRAWING SD3
SHADE TREES - SURFACE PARKING AREAS	5.106.12.1	●			DRAWING L3
SHADE TREES - LANDSCAPE AREA	5.106.12.2	●			DRAWING L3
DIVISION 5.2: ENERGY EFFICIENCY					
SECTION TITLE	CODE SECTION	YES	NO	N/A	PLAN SHEET, SPEC, OR OTHER
MEET THE MINIMUM ENERGY EFFICIENCY STANDARD	5.20.1	●			T24 DRAWINGS T24 SUBMITTAL FORMS
DIVISION 5.3: WATER EFFICIENCY AND CONSERVATION					
SECTION TITLE	CODE SECTION	YES	NO	N/A	PLAN SHEET, SPEC, OR OTHER
SEPARATE METERS FOR BUILDINGS GREATER THAN 80,000 S.F. THAT CONSUME MORE THAN 100 GAL/DAY	5.303.1.1			●	
SEPARATE METERS FOR TENANTS THAT CONSUME MORE THAN 1,000 GAL/DAY	5.303.1.2			●	
WATER CLOSETS SHALL NOT EXCEED 1.28 GPF	5.303.3.1	●			DRAWINGS PO.1
WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GPF	5.303.3.2.1	●			DRAWINGS PO.1
FLOOR-MOUNTED URINALS SHALL NOT EXCEED 0.5 GPF	5.303.3.3.2.2			●	
SINGLE SHOWERHEAD SHALL HAVE MAXIMUM FLOW RATE OF 1.8 GPM AT 80 PSI	5.303.3.3.1			●	
MULTIPLE SHOWERHEADS SERVING ONE SHOWER SHALL HAVE A COMBINED FLOW RATE OF 1.8 GPM AT 80 PSI	5.303.3.3.2	●			DRAWINGS PO.1
NON-RESIDENTIAL LAVATORY FAUCETS	5.303.3.4.1	●			DRAWINGS PO.1
KITCHEN FAUCETS	5.303.3.4.2	●			DRAWINGS PO.1
WASH FAUCETS	5.303.3.4.3	●			DRAWINGS PO.1
METERING FAUCETS	5.303.3.4.4			●	
METERING FAUCETS FOR WASH FOUNTAINS	5.303.3.4.5			●	
PRE-RINSE SPRAY VALVE	5.303.3.4.6			●	
FOOD WASTE DISPOSERS	5.303.4.1			●	
AREAS OF ADDITIONS OR ALTERATIONS	5.303.5			●	
STANDARDS FOR PLUMBING FIXTURES AND FITTINGS	5.303.6	●			SPEC 15400
OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS	5.304.1	●			DRAWING L1 SPEC 02810
DIVISION 5.4: MATERIAL CONSERVATION AND RESOURCE EFFICIENCY					
SECTION TITLE	CODE SECTION	YES	NO	N/A	PLAN SHEET, SPEC, OR OTHER
WEATHER PROTECTION	5.407.1	●			DRAWING A1.1 THRU A1.3
MOISTURE-CONTROL: SPRINKLERS	5.407.2.1	●			DRAWING L1
MOISTURE CONTROL: EXTERIOR DOOR PROTECTION	5.407.2.2.1	●			DRAWING A1.1
MOISTURE CONTROL: FLASHING	5.407.2.2.2	●			SPEC 07600
CONSTRUCTION WASTE MANAGEMENT	5.408.1.1 THRU 5.408.1.3	●			DRAWING CG1 SPEC 01075
WASTE MANAGEMENT DOCUMENTATION	5.408.1.4	●			DRAWING CG1 SPEC 01075
UNIVERSAL WASTE (ADDITION)	5.408.2			●	
EXCAVATED SOIL AND LAND CLEARING DEBRIS (100% REUSE OR RECYCLE)	5.408.3	●			DRAWING SD3
RECYCLING BY OCCUPANTS	5.410.1	●			DRAWING A1.1
RECYCLING BY OCCUPANTS (ADDITION)	5.410.1.1			●	

DIVISION 5.4: MATERIAL CONSERVATION AND RESOURCE EFFICIENCY (CONTINUED)					
SECTION TITLE	CODE SECTION	YES	NO	N/A	PLAN SHEET, SPEC, OR OTHER
RECYCLING BY OCCUPANTS SAMPLE ORDINANCE	5.410.1.2	●			COUNTY ORDINANCE
COMMISSIONING NEW BUILDINGS GREATER THAN 10,000 S.F.	5.410.2			●	
OWNER'S OR OWNER'S REPRESENTATIVE'S PROJECT REQUIREMENTS	5.410.2.1			●	
BASIS OF DESIGN	5.410.2.2			●	
COMMISSIONING PLAN	5.410.2.3			●	
FUNCTIONAL PERFORMANCE TESTING	5.410.2.4	●			DRAWING M.O.O
DOCUMENTATION AND TRAINING	5.410.2.5	●			DRAWING M.O.O
SYSTEMS MANUAL	5.410.2.5.1	●			DRAWING M.O.O
SYSTEMS OPERATIONAL TRAINING	5.410.2.5.2	●			DRAWING M.O.O
COMMISSIONING REPORT	5.410.2.6			●	
TESTING AND ADJUSTING FOR NEW BUILDINGS LESS THAN 10,000 S.F. OR NEW SYSTEMS THAT SERVE ADDITIONS OR ALTERATIONS	5.410.4	●			DRAWING M.O.O
SYSTEM TESTING PLAN FOR RENEWABLE ENERGY ENERGY, LANDSCAPE IRRIGATION AND WATER REUSE	5.410.4.2	●			DRAWING M.O.O
PROCEDURES FOR TESTING AND ADJUSTING	5.410.4.3	●			DRAWING M.O.O
PROCEDURES FOR HVAC BALANCING	5.410.4.3.1	●			DRAWING M.O.O
REPORTING FOR TESTING AND ADJUSTING	5.430.4.4	●			DRAWING M.O.O
OPERATION AND MAINTENANCE MANUAL	5.410.4.5	●			DRAWING M.O.O
INSPECTION AND REPORTS	5.410.4.5.1	●			DRAWING M.O.O
DIVISION 5.5: ENVIRONMENTAL QUALITY					
SECTION TITLE	CODE SECTION	YES	NO	N/A	PLAN SHEET, SPEC, OR OTHER
FIREPLACES	5.503.1			●	
WOODSTOVES	5.503.1.1			●	
TEMPORARY VENTILATION	5.504.1	●			DRAWING M.O.O
COVERINGS OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION	5.504.3	●			DRAWING M.O.O
ADHESIVES, SEALANTS, AND CAULKS	5.504.4.1	●			SPEC 07900
PAINTS AND COATINGS	5.504.4.3	●			SPEC 09900
AEROSOL PAINTS/COATINGS	5.504.4.3.1	●			SPEC 09900
AEROSOL PAINTS/COATINGS VERIFICATION	5.504.4.3.2	●			SPEC 09900
CARPET SYSTEMS	5.504.4.4			●	
CARPET CUSHION	5.504.4.4.1			●	
CARPET ADHESIVE PER TABLE 5.504.4.4.1	5.504.4.4.2			●	
COMPOSITE WOOD PRODUCTS	5.504.4.5	●			SPEC 06100
COMPOSITE WOOD PRODUCTS DOCUMENTS	5.504.4.5.3	●			SPEC 06100
RESILIENT FLOORING SYSTEMS	5.504.4.6	●			SPEC 09660
VERIFICATION OF COMPLIANCE	5.504.4.6.1	●			SPEC 09660
THERMAL INSULATION	5.504.4.7	●			SPEC 07200
VERIFICATION OF COMPLIANCE	5.504.4.7.1	●			SPEC 07200
ACOUSTICAL CEILINGS/WALL PANELS	5.504.4.8	●			SPEC 09500
VERIFICATION OF COMPLIANCE	5.504.4.8.1	●			SPEC 09500
FILTERS	5.504.5.3	●			DRAWING M.O.O
FILTER LABELING	5.504.5.3.1	●			DRAWING M.O.O
ENVIRONMENTAL TOBACCO SMOKE CONTROL	5.504.7			●	
INDOOR MOISTURE CONTROL	5.505.1	●			DRAWING M.O.O
OUTDOOR AIR DELIVERY	5.506.1	●			DRAWING M.O.O
CARBON DIOXIDE MONITORING	5.506.2	●			DRAWING M.O.O
ACOUSTICAL CONTROL	5.507.4			●	
EXTERIOR NOISE TRANSMISSION, PRE-SCRIPTIVE METHOD	5.507.4.1			●	
NOISE EXPOSURE WHERE NOISE CONTOURS ARE NOT READILY AVAILABLE	5.507.4.1.1			●	
PERFORMANCE METHOD	5.507.4.2			●	
SITE FEATURES	5.507.4.2.1			●	
DOCUMENTATION OF COMPLIANCE	5.507.4.2.2			●	
INTERIOR SOUND TRANSMISSION	5.507.4.3			●	
OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS	5.508.1	●			DRAWING M.O.O
CHLOROFLUOROCARBONS	5.508.1.1	●			DRAWING M.O.O
HALONS	5.508.1.2	●			DRAWING M.O.O
SUPERMARKET REFRIGERANT LEAK REDUCTION FOR RETAIL FOOD STORES 8,000 S.F. OR GREATER	5.508.2 THRU 5.508.2.6.3			●	
FOOTNOTES					
RESPONSIBLE DESIGNER'S DECLARATION STATEMENT					
I ATTEST THAT THESE MANDATORY PROVISIONS CHECKLIST IS ACCURATE AND COMPLETE.					
 CHARLES RHOADS, ARCHITECT C14,926 11/16/2023					

2022 CALGREEN COMPLIANCE NOTES

WASTE MANAGEMENT PLAN  
 THE CONTRACTOR SHALL BE RESPONSIBLE TO ESTABLISH A CONSTRUCTION WASTE MANAGEMENT PLAN IN FULL COMPLIANCE WITH SECTION 01075 OF THE SPECIFICATIONS AND SHALL PROVIDE DOCUMENTATION TO THE BUILDING PERMIT AUTHORITY

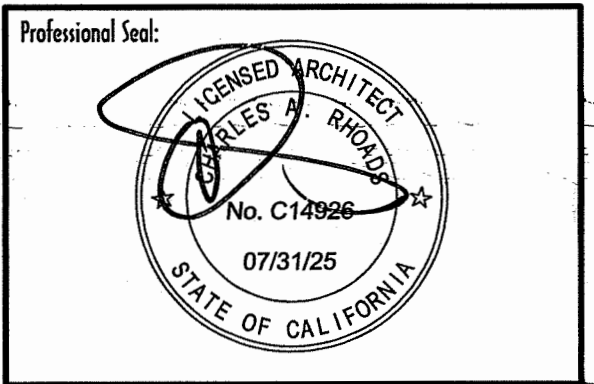
SWPPP / SJVACD REQUIREMENTS  
 THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM ALL WORK IN ACCORDANCE WITH A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION CONTROL PLAN. THE SWPPP PLAN SHALL BE FURNISHED BY THE CONTRACTOR IN FULL COMPLIANCE WITH SECTION 01050 OF THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT (SJVAPCD) REGULATION VII TO LIMIT FUGITIVE DUST. SUBMIT A DUST CONTROL PLAN TO THE SJVAPCD WHEN REQUIRED BY REGULATION VII.



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Consultant:

Drawing Status:

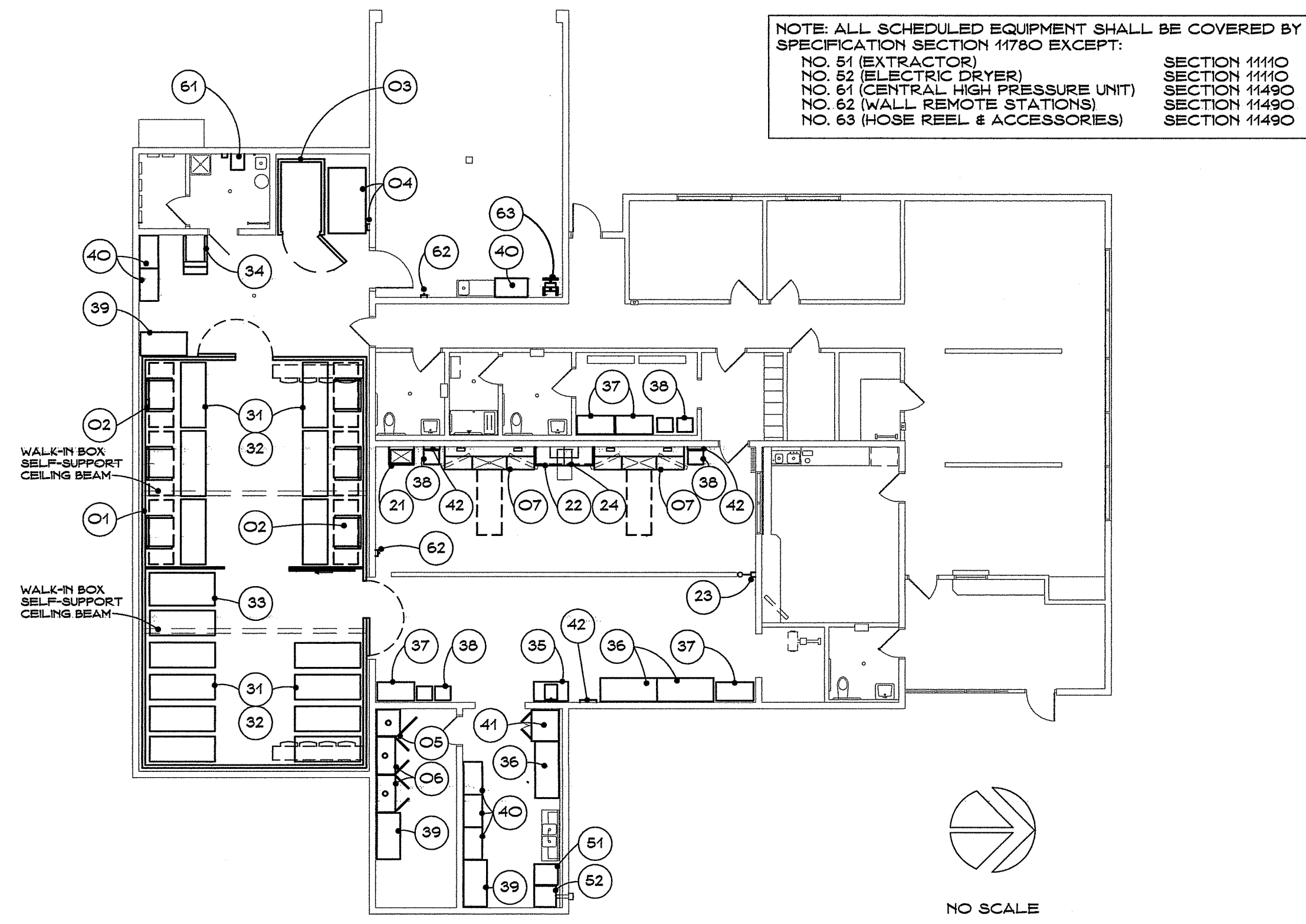
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

Sheet Description:  
**CALGreen Compliance**

Date: 11/16/23  
 Project: 22-102  
 Scale: None  
 Sheet No.: **CG1**  
 Of 26 Sheets



NOTE: ALL SCHEDULED EQUIPMENT SHALL BE COVERED BY SPECIFICATION SECTION 11760 EXCEPT:  
 NO. 51 (EXTRACTOR) SECTION 11110  
 NO. 52 (ELECTRIC DRYER) SECTION 11110  
 NO. 51 (CENTRAL HIGH PRESSURE UNIT) SECTION 11490  
 NO. 62 (WALL REMOTE STATIONS) SECTION 11490  
 NO. 63 (HOSE REEL & ACCESSORIES) SECTION 11490

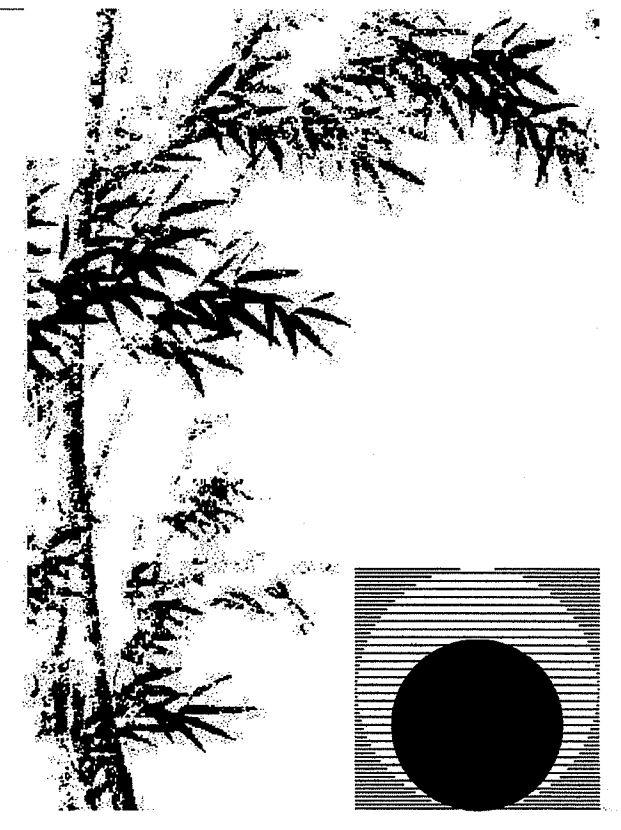
MORGUE EQUIPMENT PROVIDED BY CONTRACTOR - INSTALLED BY EQUIP. MANUFACTURER CONTRACTOR TO PROVIDE REQUIRED ROUGH-IN & COORDINATION		ROUGH-IN SHALL BE PER DETAILED DRAWINGS PROVIDED BY THE EQUIPMENT MANUFACTURER			
KEY	DESCRIPTION	QUANTITY	PLUMBING	HVAC	ELECT
01	<p>WALK-IN REFRIGERATOR</p> <p>24' W X 44' L X 10' H; PREFABRICATED MODULAR PANEL CONSTRUCTION; STEEL CAM-ACTION PANEL LOCKING; 4" THICK RIGID FOAM-IN-PLACE URETHANE INSULATION TO MINIMUM DENSITY OF 22 LBS; INTERIOR WALLS AND CEILING FINISHED IN 1/8 GA. STUCCO EMBOSSED ALUMINUM; EXTERIOR PANELS FINISHED IN 24 GA. GALVANIZED STEEL EXCEPT EXPOSED EXTERIOR PANELS AT WEST AND NORTH WHICH SHALL BE FINISHED IN 22 GA. STAINLESS STEEL IN A NO. 4 FINISH; FLUSH MOUNTED, 48" X 80" 4" THICK INSULATED ENTRANCE DOORS PER DRAWING WITH (2) HEAVY-DUTY CAM LIFT HINGES, SELF-CLOSING LATCH WITH CYLINDER LOCK AND PROVISIONS FOR PADLOCK; INTERIOR SAFETY RELEASE, SPRING-LOADED CLOSER, MAGNETIC THERMOPLASTIC GASKET, AND VINYL EXTRUDED FRAME; INTERIOR SECURITY SCREEN AS SHOWN ON THE DRAWING COMPRISED OF ALUMINUM FRAME WITH 2" SQUARE GRID MESH AND 84" X 80" ROLLING GATE WITH PROVISION FOR PADLOCK; SELF-SUPPORTED CEILING CONSTRUCTION, COMPLETE DUAL CONDENSING UNIT PACKAGES, PROGRAMMED FOR REDUNDANT OPERATION AND SIZED TO PROVIDE CONSTANT +35 DEGREE TEMPERATURE WITH REMOTE COMPRESSOR OR REMOTE COMPRESSOR BUILDING ROOF; MATCHING EVAPORATOR COILS; INTEGRATED TEMPERATURE ALARM COORDINATED WITH OWNER'S BUILDING-WIDE SYSTEM, PROVIDE MATCHING CORNER CLOSURES AT EXPOSED WEST AND NORTH AREAS; PROVIDE MATCHING UPPER CLOSURE PANELS AND CORNER CLOSURES AT EXPOSED WEST AND NORTH AREAS, TEN YEAR PANEL, AND FIVE YEAR COMPRESSOR WARRANTIES. REFER TO INTERIOR ELEVATIONS FOR FULL EXTENT OF PANELS AND CLOSURES REQUIRED.</p> <p>CONDENSING UNITS: RUSSELL #R80808E4SEA (2) REQUIRED (SCROLL COMPRESSOR)</p> <p>UNIT COOLERS: RUSSELL #RL6A235ADA (2) REQUIRED</p>	1	COND. DRAINS		<p>CONDENSING: 208/230V/60HZ 3 PH/50A (EACH)</p> <p>UNIT COOLER: 115V/60HZ 1 PH/15A (EACH)</p> <p>TEMPERATURE ALARM TO DATA SYSTEM</p>
02	CANTILEVER STORAGE SYSTEM 5 TIERS HIGH; STAINLESS STEEL CONSTRUCTION; CADAVER LIFT ACCESSIBLE; 6" DIAMETER CASTERS WITH FRONT BRAKES; DESIGNED TO MATE WITH MORTECH #7005-5SS OR EQUAL	6			
03	TWO BODY DECOMPOSITION REFRIGERATOR TWO BODY FLOORLESS REFRIGERATOR - 36"W X 22"H TOP DOOR - 48"W X 50"H BOTTOM DOOR - FLUSH MOUNT DOORS WITH CLEAR OPENING AS NOTED - .032" TYPE 304 NO. 4 STAINLESS STEEL FRONT - .040" STUCCO EMBOSSED ALUMINUM TOP SIDES AND BACK - .040" STUCCO EMBOSSED ALUMINUM INTERIOR - 4" FOAMED IN PLACE URETHANE INSULATION - ONE THREE-PIECE TELESCOPIC RACK SYSTEM FABRICATED OF EXTRUDED ALUMINUM WITH NYLON ROLLERS - ONE 16 GA. TYPE 304 NO. 4 STAINLESS STEEL REMOVABLE TRAY - HEAVY-DUTY CHROME PLATED HARDWARE - VAPOR PROOF LIGHT WITH SWITCH - DROP-IN SELF-CONTAINED 208/230 VOLT SINGLE PHASE REFRIGERATION SYSTEM WITH A TARGET TEMP. OF 38 DEGREES F. - INTEGRATED TEMPERATURE ALARM COORDINATED WITH OWNER'S BUILDING-WIDE SYSTEM - 58" W X 97" D X 103.5" H - MORTECH #1036-R103 (MODIFIED) OR EQUAL.	1			208/230V/60HZ 1 PH/30A  TEMPERATURE ALARM TO DATA SYSTEM
04	FLOOR SCALE HEAVY-DUTY - STAINLESS STEEL - FOUR LOAD CELLS WITH 100% END LOADING 20 FEET OF CABLE TO DIGITAL INDICATOR HOUSED IN WATER-TIGHT NEMA 4X ENCLOSURE - MOUNT OFF FLOOR SURFACE WITH RAMP ACCESS (NO DEGRADED FIT REQUIRED) - ABILITY TO ZERO TARE CARRIER - 48" W X 60" L X 3.5" H - MORTECH #LW452 OR EQUAL	1			
05	TALL VENTED STORAGE UNITS - GLASS DOORS OWNER'S EXISTING UNITS TO BE RELOCATED TO NEW BUILDING	1		4" DIA. EXHAUST 100 CFM 0.050 WG	
06	TALL VENTED STORAGE UNITS - GLASS DOORS 48" W X 72" H X 24" D; STAINLESS STEEL CONSTRUCTION WITH POLISHED EDGES; DOUBLE GLASS SWING DOORS; (5) ADJUSTABLE SHELVES; 4" DUCT COLLAR ON TOP. MORTECH #SC613-48 OR EQUAL.	2		4" DIA. EXHAUST 100 CFM 0.050 WG	
07	WALL MOUNT AUTOPSY STATION WITH CENTER SINK ALL STAINLESS STEEL CONSTRUCTION; LARGE CENTER COMPARTMENT SINK; CART TO SINK LOCKING MECHANISM; 1 HP. DISPOSER; HYDRO ASPIRATOR AT CENTER SINK; SPRAY HOSE ASSEMBLY AT EACH END; NO RINSE ASSEMBLIES AT DISSECTING AREAS; INTEGRAL EXHAUST DUCTS WITH TOP CONNECTIONS; SCALE POLE AT SINK WITH SOLAR POWERED DIGITAL SCALE WITH DRAIN HOLES IN PAN; ORGAN RINSE BASKET; EVIDENCE SCREEN; PHOTO-BLUE DISSECTING BOARDS AT EACH END; (2) LED WORK LIGHTS; 114" LONG  MORTECH #1036-10 (MODIFIED) OR EQUAL REFER TO DETAIL 1 ON SHEET A&3	2	3/4" D.C.W. 3/4" D.H.W. 2" WASTE  60-65 PSI 4 GPM	(2) 4"x10" EXHAUST 360 CFM 0.025 WG (EACH)	4x4 BOX 115V/60HZ 1 PH/15A (STATION)  115V/60HZ 1 PH/15A (DISPOSER)
21	WALL-MOUNTED WASHSTATION ALL STAINLESS STEEL CONSTRUCTION; ROUNDED INSIDE CORNERS; THERMOSTATIC MIXING VALVE; GOOSENECK FAUCET WITH INFRARED CONTROL; SOAP DISPENSER WITH INFRARED CONTROL; ADA COMPLIANT; NO LOWER ENCLOSURE. MORTECH #SS10-ADA (MODIFIED) OR EQUAL.	1	1/2" D.C.W. 1/2" D.H.W. 2" WASTE		115V/60HZ/1 PH/15A (FAUCET)

Approved Building Dept.

MORGUE EQUIPMENT PROVIDED BY CONTRACTOR - INSTALLED BY EQUIP. MANUFACTURER CONTRACTOR TO PROVIDE REQUIRED ROUGH-IN & COORDINATION		ROUGH-IN SHALL BE PER DETAILED DRAWINGS PROVIDED BY THE EQUIPMENT MANUFACTURER			
KEY	DESCRIPTION	QUANTITY	PLUMBING	HVAC	ELECT
22	STAINLESS STEEL CASEWORK ASSEMBLY (2) 36"W X 35"H X 22"D BASE CABINETS WITH (2) DRAWERS AND (2) SWING DOORS EACH WITH WITH 6" TALL STAINLESS LEGS + (1) 24"x74" COUNTERTOP WITH NO SPLASHES + (1) 36"W X 18"H X 14"D WALL HUNG CABINET WITH GLASS SWING DOORS. MORTECH #SC106-36 (MODIFIED) + #A 74.00 24.00 + #SC265-36 OR EQUAL	1			
23	WALL-MOUNTED EMERGENCY SHOWER & EYEWASH 54" SQUARE STAINLESS STEEL ENCLOSURE; SHOWER HEAD; SHOWER ARM WITH BALL VALVE ACTIVATED BY PULL ROD; EYEWASH ASSEMBLY WITH PULL-DOWN ACTIVATION. MODIFY TO FEED FROM TOP. MORTECH #LW99 (MODIFIED) OR EQUAL.	1	MIXING VALVE 78 DEG. WATER 1" EXPOSED STAINLESS PIPE		
24	VENTILATED FORMALIN STATION STAINLESS STEEL CONSTRUCTION; SELF-CONTAINED BLOWER AND FILTER ASSEMBLY; SENSORS WITH AUDIBLE VISUAL ALARMS; ACCEPTS STANDARD 5-GAL. FORMALIN CUBE. MORTECH OR EQUAL.	1			115V/60HZ/1 PH/15A

MORGUE EQUIPMENT PROVIDED BY CONTRACTOR - INSTALLED BY CONTRACTOR		ROUGH-IN SHALL BE PER DETAILED DRAWINGS PROVIDED BY THE EQUIPMENT MANUFACTURER			
KEY	DESCRIPTION	QUANTITY	PLUMBING	HVAC	ELECT
31	C-ARM ACCESSIBLE AUTOPSY CARRIER FRAME CONSTRUCTED OF 1 1/2" SQUARE X 12" 304 STAINLESS STEEL; (4) 8" CASTERS WITH BRAKES; DESIGNED FOR USE WITH PORTABLE X-RAY; 31 PERMANENT SLOPE; 500# CAPACITY; DESIGNED TO MATE WITH (32) AND LOCK INTO (07)	15			
32	AUTOPSY TRAY MOLDED FIRE RETARDANT PLASTIC; DETACHABLE; INTEGRAL PATTERN FOR FLUID DRAIN; PLUG WITH CHAIN; SUITABLE FOR USE WITH X-RAY; 31" X 82"; DESIGNED TO MATE WITH (31) AND (02) MORTECH #T3603 OR EQUAL	45			
33	BIARIATRIC AUTOPSY CARRIER FRAME CONSTRUCTED OF 1 1/2" 11 GA. 304 STAINLESS STEEL; (4) 8" CASTERS WITH BRAKES; 1 1/2" PERMANENT SLOPE; 42" X 84" ATTACHED STAINLESS STEEL TRAY; PLUG WITH CHAIN; 1,000 LB. CAPACITY. MORTECH #600009 OR EQUAL	1			
34	BATTERY OPERATED HYDRAULIC CADAVER LIFT AND ACCESSORIES NARROW STRADDLE DESIGN; EXPANDED METAL SAFETY SCREEN WITH REINFORCED EDGES; HYDRAULIC LIFT POWERED BY HEAVY-DUTY 12V BATTERY; INTEGRAL BATTERY CHARGER; ROTACASTER UNIDIRECTIONAL CASTERS. MORTECH #M678 OR EQUAL  WALL-MOUNT REMOTE CHARGING STATION EXTRA BATTERY	1  2			115V/60HZ 1PH/15A (CHARGER)  115V/60 HZ 1PH/15A
35	MOBILE SPECIMEN PHOTO TABLE STAINLESS STEEL BASE WITH CASTERS; COPY STAND WITH NON-REFLECTIVE MATTE GRAY BASE BOARD WITH PRINTED INCH SCALE; FULLY ADJUSTABLE CAMERA COLUMN WITH HEIGHT MARKINGS; FULLY ADJUSTABLE LAMP ARMS; LED LAMPS WITH 5600K AND CRI 85 OR HIGHER; 44" X 25" X 37". MORTECH OR EQUAL	2			115V/60HZ 1PH/15A
36	STATIONARY STANDING TABLE ALL STAINLESS STEEL CONSTRUCTION INCLUDING TOP AND BOTTOM SHELF; 72" W X 30"D X 37"H. MORTECH #SC453-72 (MODIFIED) OR EQUAL	3			
37	TALL STORAGE CABINET 48" W X 72" H X 24" D; STAINLESS STEEL CONSTRUCTION WITH POLISHED EDGES; DOUBLE GLASS SWING DOORS; (5) ADJUSTABLE SHELVES. MORTECH #SC345-48 OR EQUAL.	2			
38	HAZARDOUS WASTE HAMPER CHROME PLATED FRAME CONSTRUCTION; (4) CASTERS WITH BRAKES; METAL FOOT-OPERATED LID; FITS 18" REUSABLE HAMPER BAGS OR 33 GALL. DISPOSABLE BAGS. MORTECH #LW395 OR EQUAL.	6			
39	MOBILE STANDING TABLE ALL STAINLESS STEEL CONSTRUCTION INCLUDING TOP AND BOTOM SHELF; APRON WITH 2 DRAWERS; 6" CASTERS; 60"W X 30"D X 37"H. MORTECH #SC453-60 (MODIFIED) OR EQUAL	3			
40	TALL STORAGE CABINET 42" W X 72" H X 24" D; STAINLESS STEEL CONSTRUCTION WITH POLISHED EDGES; DOUBLE SOLID SWING DOORS; (5) ADJUSTABLE SHELVES; LOCKABLE - KEY ALIKE. MORTECH #SC342-42 OR EQUAL.	6			
41	GLASS DOOR LABORATORY REFRIGERATOR 36 CUBIC FEET, 2 SWING GLASS DOORS; 34 DEG. F. TO 50 DEG. F. RANGE; DIGITAL TEMPERATURE DISPLAY; TEMPERATURE ALARM INTEGRATED INTO BUILDING DATA SYSTEM; EIGHT ADJUSTABLE SHELVES; KEY LOCK; WHITE POWDERCOAT FINISH AT INTERIOR AND EXTERIOR AMERICAN BIOTECH SUPPLY #ABT-HC-LP-36 OR EQUAL	1			115V/60HZ 1PH/15A  TEMPERATURE ALARM TO DATA SYSTEM
42	WALL-MOUNT QUAD GLOVE BOX HOLDER STAINLESS STEEL CONSTRUCTION; 10"H X 21"W OMNIMED #305304 OR EQUAL	3			

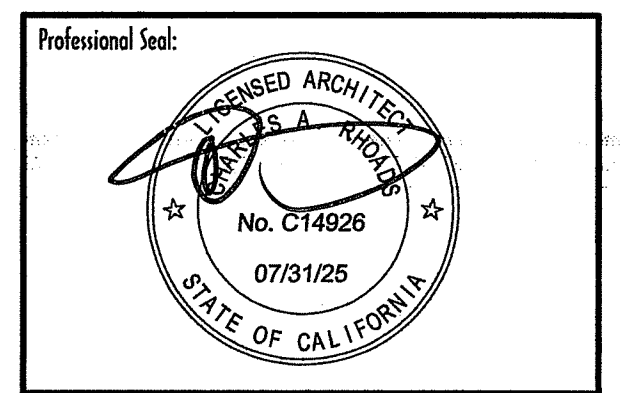
OTHER EQUIPMENT PROVIDED BY CONTRACTOR - INSTALLED BY CONTRACTOR CONTRACTOR TO PROVIDE REQUIRED ROUGH-IN & COORDINATION		ROUGH-IN SHALL BE PER DETAILED DRAWINGS PROVIDED BY THE EQUIPMENT MANUFACTURER			
KEY	DESCRIPTION	QUANTITY	PLUMBING	HVAC	ELECT
61	EXTRACTOR TO MEET NFPA 1851-2020 REQUIREMENTS; DIRECT DRIVE; STAINLESS STEEL DRUM; GLASS FRONT MOUNTED EXTRA LARGE DOOR; MAGNETIC DOOR PLUNGER; DETERGENT DISPENSER; 3.6 CUBIC FEET. READY RACK #EW22 OR EQUAL	1	3/4" D.C.W. 3/4" D.H.W. 3" WASTE  WALL BOX		115V/60HZ 1 PH/20A
62	ELECTRIC DRYER STAINLESS STEEL DRUM; 11 CYCLES; LED LIGHTING; LOW NOISE; ENERGY STAR RATED; 8.0 CUBIC FEET; TITANIUM COLOR. ELECTROLUX #ELFE7637AT OR EQUAL	1		WALL VENT	208/240V/60HZ 1 PH/30A
61	CENTRALIZED HIGH PRESSURE SYSTEM 2 HP. MOTOR; TOTALLY ENCLOSED; FAN COOLED; 3 CYLINDER PLUNGER PUMP; 24 VOLT MASTER CONTROL; CHEMICAL INJECTION SOLENOIDS; ANTI-BACKFLOW PROTECTION; PRESSURE GAUGE; STAINLESS STEEL FRAME, COVER AND WALL MOUNT; INLET SUPPLY HOSE; (2) WALL MOUNTS FOR CHEMICAL JUGS. SPRAY MASTER #300-5176-60WCY OR EQUAL	1	3/4" D.H.W. HOSE BIBB (MAX. 110")  IN-LINE FILTER		208/240V/60HZ 1 PH/20A  DISCONNECT
62	SURFACE MOUNT REMOTE STAINLESS STEEL CONSTRUCTION; SHUT-OFF QUICK CONNECT; ELECTRONIC CONTROLS; 4" STAINLESS STEEL TUBING AND SIX-CONDUCTOR CONTROL CABLE THRU TOP ROUTED TO (61) SPRAY MASTER #300-1267 OR EQUAL	2			
63	HEAVY DUTY HOSE REEL AND ATTACHMENTS QUICK CONNECT; (1) SUPPLY HOSE + 30' WASH HOSE + FOAM & RINSE WANDS + WALL & TILE BRUSH. SPRAY MASTER #300-5258 + #300-0106 + #300-0711 + #300-2957 OR EQUAL	1			



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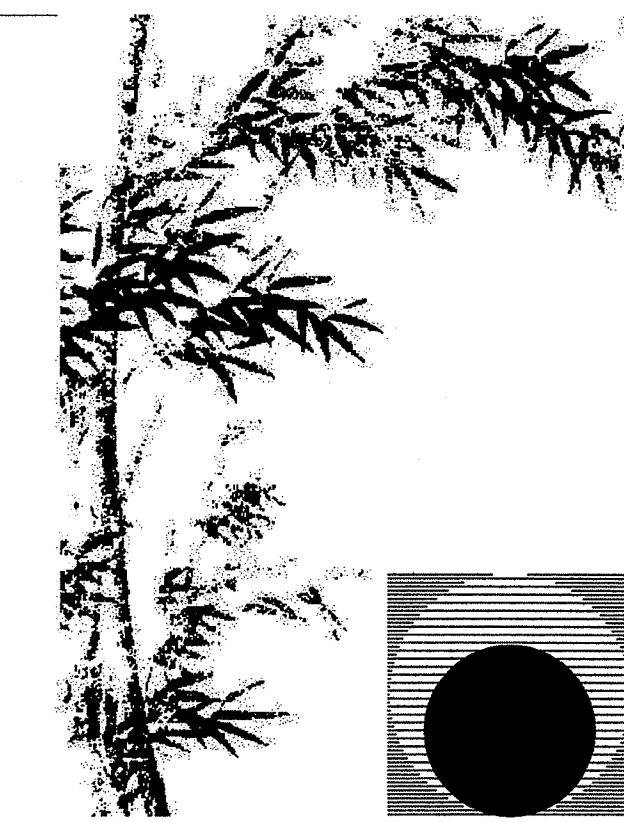
Consultant:

Drawing Status:  
**Contract Document**

Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

Sheet Description:  
**Equipment Plan:**  
**Morgue, Laundry & Cleaning**

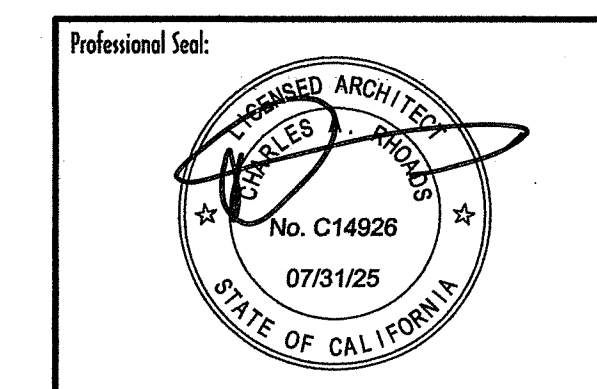
Date: 11/16/23  
 Project: 22-102  
 Scale: None  
 Sheet No.: **EQ1**  
 Of 2 Sheets



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Consultant:

Drawing Status:

**Contract Document**

Revision Summary:

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Equipment Plan:**  
Video Systems

Date: 11/16/23  
Project: 22-102  
Scale: 1/8" = 1'-0"

Sheet No.:  
**EQ2**  
Of 2 Sheets

**LEGEND**



**SECURITY CAMERA LOCATION**  
PROVIDE OUTLET BOX WITH 1" CONDUIT BACK TO I.T. ROOM - PROVIDE CAT 6A CABLE WITH TERMINATIONS AND TESTING - CONFIRM OUTLET BOX AND TERMINATIONS WITH OWNER BEFORE INSTALLATION - MOUNTING HEIGHTS AS NOTED - REFER TO INTERIOR AND EXTERIOR ELEVATIONS - CAMERAS AND MOUNTS WILL BE PROVIDED BY OWNER AND INSTALLED BY OWNER



**VIDEO MONITOR - AUTOPSY STATION**  
LG 55UR34QC9UD - UR340C SERIES - 55" LED-BACKLIT LCD - 4K - OR APPROVED EQUAL FULL MOTION STAINLESS STEEL WALL MOUNT

RECESSED OUTLET BOX WITH 1" CONDUIT BACK TO I.T. ROOM - PROVIDE CAT 6A CABLE WITH TERMINATIONS AND TESTING - CONFIRM OUTLET BOX AND TERMINATIONS WITH OWNER BEFORE INSTALLATION - MOUNTING HEIGHTS AS NOTED - REFER TO INTERIOR ELEVATIONS  
ALL PROVIDED AND INSTALLED BY CONTRACTOR



**VIDEO MONITOR - CONFERENCE ROOM**  
LG 55UR34QC9UD - UR340C SERIES - 55" LED-BACKLIT LCD - 4K - OR APPROVED EQUAL FULL MOTION SOFFIT MOUNT

RECESSED OUTLET BOX WITH 1" CONDUIT DOWN TO CABINET BELOW - HDMI CABLE WITH 48" EXTRA LENGTH IN CABINET  
ALL PROVIDED AND INSTALLED BY CONTRACTOR



**ROBOTIC CAMERA CONTROLLER**  
AXIS #T8310 SURVEILLANCE CONTROL BOARD (COUNTY STANDARD)  
PROVIDED BY CONTRACTOR - INSTALLED BY OWNER



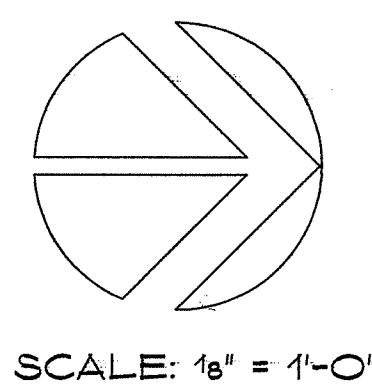
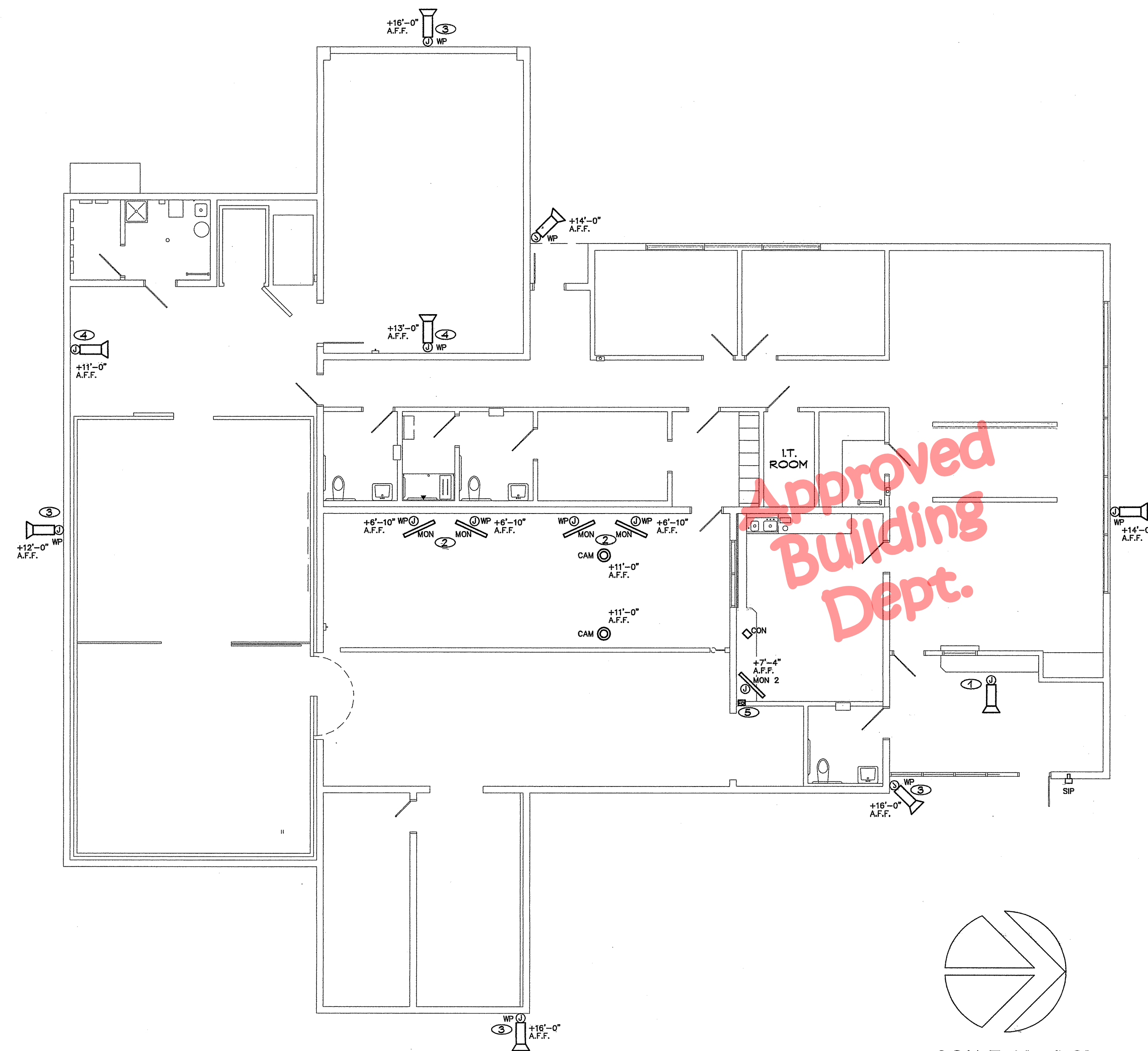
**ROBOTIC CAMERA LOCATION**  
PROVIDE OUTLET BOX FOR RECESSED CEILING MOUNT WITH 1" CONDUIT BACK TO I.T. ROOM - PROVIDE CAT 6A CABLE WITH TERMINATIONS AND TESTING - CONFIRM OUTLET BOX AND TERMINATIONS WITH OWNER BEFORE INSTALLATION - CONFIRM LOCATION WITH ARCHITECT  
CEILING MOUNT: AXIS #T94A01L (COUNTY STANDARD)  
ROBOTIC CAMERA: AXIS #Q6078-E PTZ (COUNTY STANDARD)  
ALL PROVIDED AND INSTALLED BY CONTRACTOR



**EXTERIOR SIP INTERCOM**  
PROVIDE RECESSED OUTLET BOX WITH 1" CONDUIT BACK TO I.T. ROOM - PROVIDE CAT 6A CABLE WITH TERMINATIONS AND TESTING - CONFIRM OUTLET BOX AND TERMINATIONS WITH OWNER BEFORE INSTALLATION - CONFIRM LOCATION WITH ARCHITECT  
SIP INTERCOM: CYBERDATA #01186 (COUNTY STANDARD)  
ALL PROVIDED AND INSTALLED BY CONTRACTOR

**KEY NOTES**

- ① MOUNT ON SLOPED CEILING
- ② REFER TO (1) (A,B,C)
- ③ CORE CMU FOR CONDUIT PATH TO ATTIC
- ④ EXPOSED CONDUIT UP INTO ATTIC
- ⑤ PULL BOX MOUNTED INSIDE CABINET -  
EXTEND 3" CONDUIT UP INTO CONCEALED ATTIC AND EXTEND TO I.T. ROOM WITH CAT6A CABLE WITH TERMINATIONS AND TESTING -  
EXTEND 1" CONDUIT TO MONITOR ABOVE



SCALE: 1/8" = 1'-0"

NAILING SCHEDULE			
NO.	CONNECTION	FASTENING	LOCATION
<b>ROOF</b>			
1.a.	BLOCKING BETWEEN JOISTS, RAFTERS, OR TRUSSES TO TOP PLATE	(3) 8d COMMON	EACH END, TOE NAIL
1.b.	BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	(2) 8d COMMON (2) 16d COMMON	EACH END, TOE NAIL END NAIL
1.c.	FLAT BLOCKING TO TRUSS AND WEB...	16d @ 8"o.c.	FACE NAIL
2	CEILING JOISTS TO TOP PLATE	(3) 8d COMMON	EACH JOIST, TOE NAIL
3	CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTERS, LAPS OVER PARTITIONS (NO THRUST)(SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	(3) 16d COMMON	FACE NAIL
4	CEILING JOIST ATTACHED TO PARALLEL RAFTERS (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	PER TABLE 2308.7.3.1	FACE NAIL
5	COLLAR TIE TO RAFTER	(3) 10d COMMON	FACE NAIL
6	RAFTER OR ROOF TRUSS TO TOP PLATE (SEE SECTION 2308.7.5, TABLE 2308.7.5)	(3) 10d COMMON	TOE NAIL
7	ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2x RIDGE BEAM	(2) 16d COMMON (3) 10d COMMON	END NAIL TOE NAIL
<b>WALL</b>			
8	STUD TO STUD (NOT AT BRACED WALL PANELS)	16d COMMON	24"o.c. FACE NAIL
9	STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16d COMMON	16"o.c. FACE NAIL
10	BUILT-UP HEADER (2" TO 2" HEADER)	16d COMMON	16"o.c. EACH EDGE, FACE NAIL
11	CONTINUOUS HEADER TO STUD	(4) 8d COMMON	TOE NAIL
12	TOP PLATE TO TOP PLATE	16d COMMON	16"o.c. FACE NAIL
13	TOP PLATE TO TOP PLATE, AT END JOINTS	(8) 16d COMMON	EACH SIDE OF END JOINT, FACE NAIL (MIN 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)
14	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING (NOT AT BRACED WALL PANELS)	16d COMMON	16"o.c. FACE NAIL
15	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST, OR BLOCKING AT BRACED WALL PANELS	(2) 16d COMMON	16"o.c. FACE NAIL
16	STUD TO TOP OR BOTTOM PLATE	(4) 8d COMMON (2) 16d COMMON	TOE NAIL END NAIL
17	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	(2) 16d COMMON	FACE NAIL
18	1" BRACE TO EACH STUD AND PLATE	(2) 8d COMMON	FACE NAIL
19	1" x 6" SHEATHING TO EACH BEARING	(2) 8d COMMON	FACE NAIL
20	1" x 8" AND WIDER SHEATHING TO EACH BEARING	(3) 8d COMMON	FACE NAIL
<b>FLOOR</b>			
21	JOIST TO SILL, TOP PLATE, OR GIRDER	(3) 8d COMMON	TOE NAIL
22	RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL, OR OTHER FRAMING BELOW	8d COMMON	6"o.c., TOE NAIL
23	1" x 6" SUBFLOOR OR LESS TO EACH JOIST	(2) 8d COMMON	FACE NAIL
24	2" SUBFLOOR TO JOIST OR GIRDER	(2) 16d COMMON	FACE NAIL
25	2" PLANKS (PLANK AND BEAM - FLOOR AND ROOF)	(2) 16d COMMON	EACH BEARING, FACE NAIL
26	BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	20d COMMON (2) 20d COMMON	32"o.c., FACE NAIL T&B, STAGGERED, OPP SIDES ENDS AND AT EACH SPLICE, FACE NAIL
27	LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	(3) 16d COMMON	EACH JOIST OR RAFTER, FACE NAIL
28	JOIST TO BAND JOIST OR RIM JOIST	(3) 16d COMMON	END NAIL
29	BRIDGING OR BLOCKING TO JOIST, RAFTER, OR TRUSS	(2) 8d COMMON	EACH END, TOE NAIL

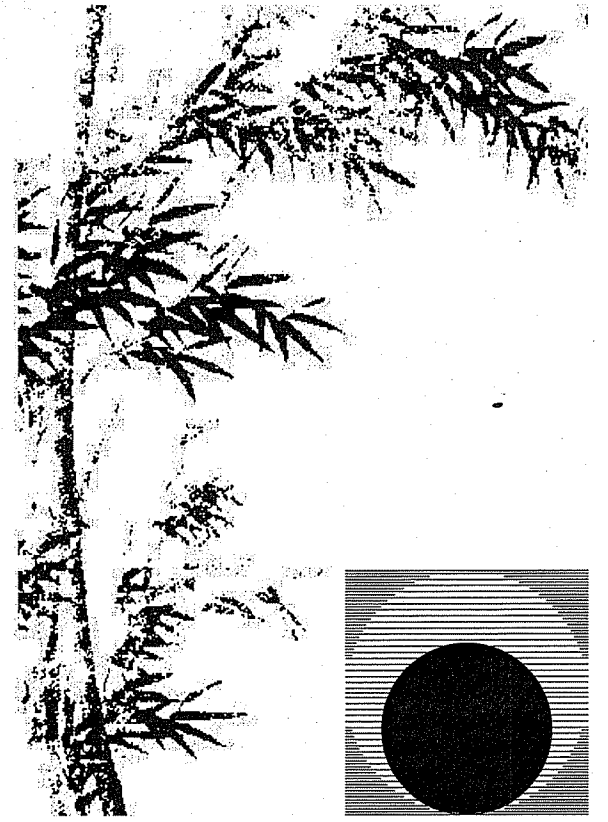
**NOTES:**

- THE NUMBER AND SIZE OF FASTENERS SHOWN ABOVE ARE MINIMUM REQUIREMENTS. IF OTHER NOTES AND/OR DETAILS ON THE DRAWINGS REQUIRE MORE AND/OR LARGER FASTENERS, THE OTHER NOTES AND/OR DETAILS SHALL GOVERN.
- WHEN POSSIBLE, NAILS DRIVEN PERPENDICULAR TO GRAIN SHALL BE USED INSTEAD OF TOENAILS.
- SEE TABLE 2304.10.1 OF THE 2019 CBC FOR ADDITIONAL NOTES, REQUIREMENTS OR OPTIONS.

REINFORCED MASONRY	
1.	MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA BUILDING CODE AND TMS 402/602, "BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES," LATEST APPROVED EDITION.
2.	CONCRETE MASONRY UNITS SHALL COMPLY WITH ASTM C90, MEDIUM WEIGHT. THE COMPRESSIVE STRENGTH OF THE UNITS SHALL BE 2800psi.
3.	THE COMPRESSIVE STRENGTH OF THE MASONRY ASSEMBLY, $f_m = 2000psi$ .
4.	ALL WALLS SHALL BE GROUTED SOLID. LIFTS SHALL NOT EXCEED 5'-0" IN HEIGHT UNLESS HIGHER LIFTS ARE APPROVED BY THE ENGINEER OF RECORD. CLEANOUT HOLES SHALL BE PROVIDED AT THE BASE OF EVERY CELL. GROUT SHALL BE MECHANICALLY VIBRATED.
5.	GROUT SPACES SHALL BE FREE OF MORTAR DROPPINGS, DEBRIS, LOOSE AGGREGATES AND ANY OTHER DELETERIOUS MATERIALS.
6.	GROUT CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
7.	MORTAR SHALL CONFORM TO ASTM C270, TYPE S, WITH AN AVERAGE 28-DAY COMPRESSIVE STRENGTH OF 1800psi MINIMUM.
8.	GROUT SHALL CONFORM TO ASTM C476 AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2000psi.
9.	REINFORCEMENT SHALL COMPLY WITH ASTM A615, GRADE 60. EXCEPT THAT REINFORCEMENT TO BE WELDED SHALL COMPLY WITH ASTM A706, GRADE 60. MINIMUM CLEAR DISTANCE TO INTERIOR OF MASONRY UNIT SHALL BE 1/2" FOR COARSE GROUT AND 1/4" FOR FINE GROUT.
10.	PROVIDE VERTICAL BARS AT ENDS AND CORNERS OF MASONRY WALLS PER 2/S1.2 AT A MINIMUM, UNLESS OTHERWISE NOTED ON PLANS.
11.	CONTINUOUS REINFORCEMENT SHALL LAP PER 1/S1.2.
12.	MASONRY CONSTRUCTION SHALL BE RUNNING BOND U.O.N.
13.	REINFORCE OPENINGS PER 9/S1.2.
14.	ALL JOINTS SHALL BE FULL BUTTERED.
15.	SEE 3/S1.2, 4/S1.2, AND 6/S1.2 FOR LIMITATIONS ON UTILITIES, CONDUIT, AND JUNCTION BOXES IN MASONRY WALLS.
<b>TIMBER</b>	
1.	ALL FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH, GRADE MARKED AS FOLLOWS, UNLESS OTHERWISE NOTED: a. LIGHT FRAMING - "STANDARD" AND "STUD" b. POSTS & BEAMS - "NO. 1" c. BEARING STUDS & SHEAR WALL STUDS - "NO. 2" d. JOISTS, RAFTERS, PLATES - "NO. 2"
2.	THE MOISTURE CONTENT IN USE SHALL NOT EXCEED 19 PERCENT.
3.	SILL PLATES ON CONCRETE SHALL BE DOUGLAS FIR-LARCH, PRESSURE TREATED, WITH 5/8"dia HEADED ANCHOR BOLTS AT 4' - 0"o.c. MAXIMUM U.O.N. (AT LEAST 2 ANCHOR BOLTS PER PIECE). PROVIDE 1/4"x3" SQUARE STEEL PLATE WASHER AND PROPERLY TIGHTENED NUT AT EACH ANCHOR BOLT. MINIMUM EMBEDMENT OF THE ANCHOR BOLTS INTO THE FOOTING SHALL BE 7" U.O.N.
4.	TOP PLATES OF ALL STUD WALLS SHALL BE DOUBLED. SAME SIZE AS STUDS U.O.N. LAP PLATES PER 3/S1.5 (CONTRACTOR'S OPTION) U.O.N. ON PLANS.
5.	SOLID BLOCK STUDS AT MAXIMUM 10'-0" VERTICAL INTERVALS.
6.	INSTALL CONTINUOUS 2x SOLID BLOCKING BETWEEN ALL JOISTS AND RAFTERS AT SUPPORTS.
7.	CROSS BRIDGING BETWEEN JOISTS AND RAFTERS MAY BE OMITTED WHERE THE COMPRESSION EDGE IS CONTINUOUSLY CONNECTED TO THE SHEATHING AND MEMBERS ARE SMALLER THAN 2x12. OTHERWISE, PROVIDE CROSS BRIDGING AT 8'-0" MAXIMUM PER CBC SECTION 2308.4.6.
8.	ALL NAILS SHALL BE COMMON NAILS U.O.N.
9.	SHEATHING NAILS SHALL BE DRIVEN SO THAT THEIR HEAD IS FLUSH WITH THE SURFACE OF THE SHEATHING.
10.	BOLTS SHALL HAVE 7 DIAMETER MINIMUM END DISTANCE AND 4 DIAMETER MINIMUM EDGE DISTANCE.
11.	ALL BOLTS SHALL BE FITTED WITH WASHERS. HOLES IN WOOD SHALL BE BORED WITH A BIT 1/32" TO 1/16" LARGER THAN THE BOLT DIAMETER.
12.	LEAD HOLES FOR LAG SCREWS AND WOOD SCREWS SHALL BE PROVIDED IN ACCORDANCE WITH THE "NATIONAL DESIGN STANDARD FOR WOOD CONSTRUCTION," LATEST APPROVED EDITION.
13.	STEEL FRAMING CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. OR APPROVED EQUAL.
14.	PLYWOOD FLOOR SHEATHING SHALL BE GLUED TO ALL FRAMING MEMBERS WITH AN APA APPROVED ADHESIVE.
15.	ORIENTED STRAND BOARD (OSB) IS AN ACCEPTABLE ALTERNATE FOR PLYWOOD WALL, FLOOR, AND ROOF SHEATHING THAT IS NOT EXPOSED TO MOISTURE. OSB SHALL COMPLY WITH GRADE REQUIREMENTS NOTED IN SCHEDULES 5/S8.1 AND 9/S1.5.
16.	INSTALL FIRE BLOCKING IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES, AT CEILING AND FLOOR SPACES AND AT OTHER LOCATIONS AS REQUIRED PER CBC SECTION 717.
17.	ALL HARDWARE, BOLTS, AND NAILS IN PRESERVATIVE-TREATED, FIRE-RETARDANT-TREATED OR EXPOSED LUMBER SHALL BE HOT-DIP GALVANIZED (ASTM A153) OR TYPE 304 STAINLESS STEEL UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER. a. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND ZINC BORATE PRESERVATIVE-TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT SHALL BE PERMITTED.
<b>POST-INSTALLED ANCHORS (HILTI)</b>	
ANCHORS SHALL BE THE TYPE, DIAMETER, AND MEET THE MINIMUM DIMENSIONS SPECIFIED IN THE STRUCTURAL DRAWINGS. HOLES SHALL BE PRE-DRILLED USING A ROTARY HAMMER DRILL AND DRILL BIT CONFORMING TO THE APPLICABLE CODE APPROVAL REPORT. CORE-DRILLING IS NOT PERMITTED UNLESS NOTED ON THE DRAWINGS. DO NOT DAMAGE REINFORCEMENT WHEN DRILLING INTO OR FASTENING TO CONCRETE AND MASONRY.	
SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE EVALUATION REPORT AND LOCAL JURISDICTIONAL REQUIREMENTS.	
CONTRACTOR TO INSTALL ANCHORAGE PER DRAWINGS, EVALUATION REPORTS, MANUFACTURER'S RECOMMENDATIONS, AND USING AN OSHA 1926 COMPLIANT AND ICC APPROVED VACUUM SYSTEM. CONCRETE SHALL HAVE ATTAINED ITS SPECIFIED MINIMUM DESIGN STRENGTH PRIOR TO INSTALLATION OF POST-INSTALLED ANCHORS. FOR ADHESIVE ANCHORS, CONCRETE SHALL HAVE A MINIMUM AGE OF 21 DAYS PRIOR TO INSTALLATION.	
<b>EPOXY ANCHORS</b>	
1.	WHERE EPOXY IS INDICATED ON STRUCTURAL DRAWINGS FOR CONCRETE APPLICATIONS, USE HILTI HIT-RE 500 V3 (ICC ESR-3814). a. INSTALLATION OF ADHESIVE ANCHORS IN CONCRETE SHALL BE PERFORMED BY PERSONNEL TRAINED TO INSTALL ADHESIVE ANCHORS. b. TEMPERATURE RANGE SHORT/LONG: 130°F/110°F c. HOLE CONDITION: DRY CONCRETE
2.	WHERE EPOXY IS INDICATED ON STRUCTURAL DRAWINGS FOR MASONRY APPLICATIONS, USE HILTI HIT HY-270 (ICC ESR-4143).

GENERAL SPECIAL INSPECTION NOTES																			
1.	SPECIAL INSPECTIONS, STRUCTURAL TESTS, AND STRUCTURAL OBSERVATIONS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CHAPTER 17 OF THE 2022 CBC.																		
2.	THE SPECIAL INSPECTOR MUST BE CERTIFIED BY THE CITY OR JURISDICTION HAVING AUTHORITY OVER THE WORK, IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION.																		
3.	THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE IN ADDITION TO AND NOT A SUBSTITUTE FOR THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY THE BUILDING OFFICIAL.																		
4.	A PROPERTY OWNER'S FINAL REPORT FORM FOR WORK REQUIRED TO HAVE SPECIAL INSPECTIONS, TESTING AND STRUCTURAL OBSERVATIONS MUST BE COMPLETED BY THE PROPERTY OWNER, PROPERTY OWNER'S AGENT OF RECORD, ARCHITECT OF RECORD OR ENGINEER OF RECORD AND SUBMITTED TO THE BUILDING OFFICIAL.																		
5.	THE FABRICATOR MUST BE REGISTERED AND APPROVED BY THE CITY OR JURISDICTION HAVING AUTHORITY OVER THE WORK, FOR THE FABRICATION OF MEMBERS AND ASSEMBLIES ON THE PREMISES OF THE FABRICATOR'S SHOP.																		
6.	THE FABRICATOR SHALL SUBMIT A "APPLICATION TO PERFORM OFF-SITE FABRICATION" TO THE INSPECTION SERVICES DIVISION FOR APPROVAL PRIOR TO COMMENCEMENT OF FABRICATION.																		
7.	THE FABRICATOR SHALL SUBMIT A "CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION" TO THE BUILDING OFFICIAL PRIOR TO THE ERECTION OF FABRICATED ITEMS AND ASSEMBLIES.																		
8.	THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE CITY OR JURISDICTION HAVING AUTHORITY OVER THE WORK, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND EQUIPMENT.																		
9.	WHERE MATERIALS OR ASSEMBLIES ARE REQUIRED BY THE BUILDING CODE TO BE LABELED, SUCH MATERIALS AND ASSEMBLIES SHALL BE LABELED BY AN AGENCY APPROVED BY THE CITY OR JURISDICTION HAVING AUTHORITY OVER THE WORK, IN ACCORDANCE WITH CBC SECTION 1703. PRODUCTS AND MATERIALS TO BE LABELED SHALL BE TESTED, INSPECTED AND LABELED IN ACCORDANCE WITH THE PROCEDURES SET FORTH IN CBC SECTIONS 1703.5.1 THROUGH 1703.5.4. IDENTIFY ON PLANS THE NAME AND ADDRESS OF THE TESTING / INSPECTION AGENT.																		
<b>ITEMS REQUIRING SPECIAL INSPECTION</b>																			
1.	STRUCTURAL STEEL, INCLUDING WELDING AND HIGH-STRENGTH BOLTING, PER CBC SECTION 1705.2 AND QUALITY ASSURANCE REQUIREMENTS OF AISC 360.																		
2.	STRUCTURAL CONCRETE PER CBC SECTION 1705.3 AND TABLE 1705.3.																		
3.	MASONRY PER CBC SECTION 1705.4 AND QUALITY ASSURANCE REQUIREMENTS OF TMS 602/ACI 530.1/ASCE 6.																		
4.	OFF-SITE FABRICATION OF STRUCTURAL, LOAD-BEARING, OR LATERAL LOAD-RESISTING MEMBERS AND ASSEMBLIES PER CBC SECTION 1704.2.5, INCLUDING PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES.																		
5.	EXISTING SITE SOIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS PER CBC SECTION 1705.6 AND TABLE 1705.6.																		
6.	POST-INSTALLED EXPANSION AND ADHESIVE ANCHORS IN CONCRETE AND MASONRY. REFER TO CBC TABLE 1705.3, SECTION 1705.4, SECTION 1910.5, AND THE APPLICABLE CODE APPROVAL REPORT FOR SPECIFIC REQUIREMENTS. REFER TO ANCHOR TEST LOAD TABLE FOR ADDITIONAL REQUIREMENTS.																		
<b>CONCRETE</b>																			
1. CONCRETE SHALL COMPLY WITH THE FOLLOWING DESIGN REQUIREMENTS:																			
	<table border="1"> <thead> <tr> <th>LOCATION</th> <th>COMPRESSIVE STRENGTH (psi)</th> <th>MAX W/C RATIO</th> <th>FLY ASH (MIN / MAX %)</th> <th>SLAG CEMENT (MIN / MAX %)</th> <th>TOTAL FLY ASH AND SLAG (MAX %)</th> </tr> </thead> <tbody> <tr> <td>FOUNDATIONS</td> <td>3000 @ 56 DAYS</td> <td>0.55</td> <td>15 / 30</td> <td>0 / 50</td> <td>65</td> </tr> <tr> <td>SLAB ON GRADE</td> <td>4000 @ 28 DAYS</td> <td>0.40</td> <td>25 / 30</td> <td>0 / 50</td> <td>65</td> </tr> </tbody> </table>	LOCATION	COMPRESSIVE STRENGTH (psi)	MAX W/C RATIO	FLY ASH (MIN / MAX %)	SLAG CEMENT (MIN / MAX %)	TOTAL FLY ASH AND SLAG (MAX %)	FOUNDATIONS	3000 @ 56 DAYS	0.55	15 / 30	0 / 50	65	SLAB ON GRADE	4000 @ 28 DAYS	0.40	25 / 30	0 / 50	65
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FOUNDATIONS	3000 @ 56 DAYS	0.55	15 / 30	0 / 50	65														
SLAB ON GRADE	4000 @ 28 DAYS	0.40	25 / 30	0 / 50	65														
a.	CEMENT SHALL COMPLY WITH EITHER ASTM C150, TYPE II OR ASTM C595, TYPE II (MS).																		
b.	FLY ASH SHALL COMPLY WITH ASTM C618, CLASS F.																		
c.	SLAG CEMENT SHALL COMPLY WITH ASTM C989.																		
d.	MAXIMUM WATER CONTENT SHALL BE LIMITED TO 40 GALLONS / YARD.																		
1.	NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE COLUMNS, WALLS, OR SLABS UNLESS SPECIFICALLY DETAILED ON STRUCTURAL DRAWINGS.																		
2.	REINFORCEMENT SHALL BE SECURELY SUPPORTED IN POSITION PRIOR TO PLACING CONCRETE.																		
3.	WALLS AND COLUMNS SHALL BE DOWELED FROM SUPPORTS WITH BARS OF THE SAME SIZE AND SPACING U.O.N.																		
4.	SPLICE CONTINUOUS REINFORCEMENT WITH 2'-0" MINIMUM LAP U.O.N. PER 1/S1.1. BARS SPLICED WITH NON-CONTACT LAP SPLICES SHALL NOT BE SPACED TRANSVERSELY FARTHER APART THAN THE SMALLER OF ONE-FIFTH THE REQUIRED LAP SPLICE LENGTH AND 6". STAGGER SPLICES AT SLAB ON GRADE.																		
5.	ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318, LATEST APPROVED EDITION) AND THE "MANUAL OF STANDARD PRACTICE" BY CRSI, AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.																		
6.	PROVIDE BAR BENDS PER 2/S1.1.																		
7.	MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE PER 4/S1.1.																		
8.	REINFORCEMENT SHALL COMPLY WITH ASTM A615, GRADE 60, EXCEPT THAT REINFORCEMENT TO BE WELDED SHALL COMPLY WITH ASTM A706, GRADE 60. REINFORCEMENT USED IN CONCRETE FRAME MEMBERS, SHEAR WALLS AND COUPLING BEAMS SHALL COMPLY WITH ASTM A706, GRADE 60 UNLESS OTHERWISE APPROVED BY THE ENGINEER OF RECORD.																		
9.	ALL WELDING OF REINFORCING STEEL SHALL BE PERFORMED BY CERTIFIED WELDERS AND SHALL CONFORM TO AWS D1.4, "STRUCTURAL WELDING CODE - REINFORCING STEEL," LATEST APPROVED EDITION.																		
10.	FOR MILD REINFORCED ELEVATED CONCRETE ELEMENTS, CONTRACTOR MAY STRIP FORMWORK AFTER CONCRETE IS 7 DAYS OLD AND HAS ACHIEVED 75% SPECIFIED COMPRESSIVE STRENGTH.																		
11.	REINFORCEMENT CAGES MAY BE SHOP FABRICATED WITH HOLDING WIRE AND ELECTRIC RESISTANCE FUSION WELDS. ALL REINFORCEMENT TO BE WELDED SHALL CONFORM TO ASTM A706, AND ALL HOLDING WIRE SHALL CONFORM TO ASTM A1064.																		

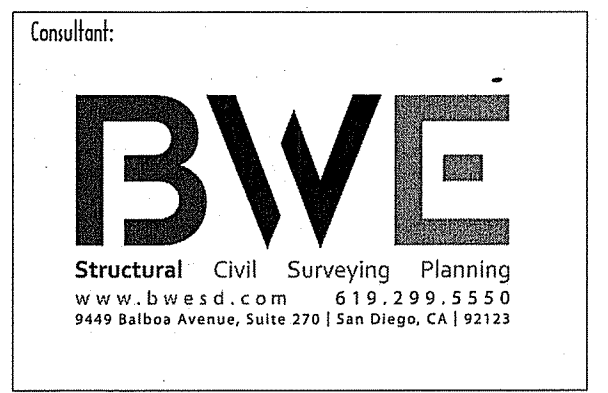
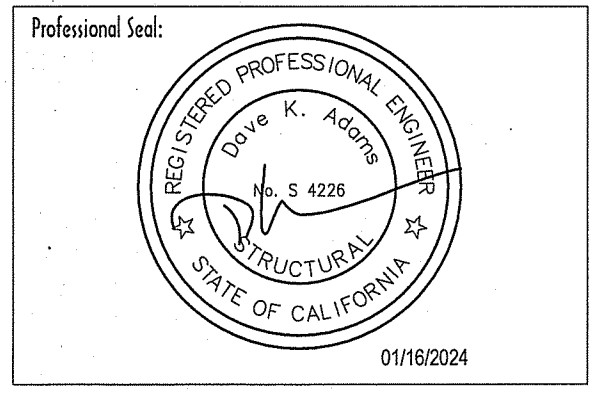
GENERAL		COPYRIGHT © BWE											
1.	THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS BEFORE STARTING WORK AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES THAT ARE FOUND.												
2.	DO NOT SCALE DETAILS OR DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS WHERE REQUIRED.												
3.	SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.												
4.	WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS USED SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.												
5.	WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATION AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.												
6.	ALL WORK SHALL CONFORM TO THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE (CBC) AND OTHER REGULATORY AGENCIES WHO MAY HAVE AUTHORITY OVER THE WORK.												
7.	THESE DRAWINGS REPRESENT THE STRUCTURE IN ITS FINAL CONFIGURATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR FOR ALL MEANS AND METHODS ASSOCIATED WITH ACHIEVING THIS FINAL CONFIGURATION, INCLUDING BUT NOT LIMITED TO SHORING, BRACING OR SOILS EXCAVATIONS.												
8.	THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES ANY ITEMS THAT ARE TO BE INTEGRATED INTO THE STRUCTURAL SYSTEM SUCH AS OPENINGS, PENETRATIONS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. SIZES AND LOCATIONS OF MECHANICAL AND OTHER EQUIPMENT THAT DIFFERS FROM THOSE SHOWN ON THE CONTRACT DRAWINGS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER. CONTRACTOR SHALL TAKE MEASURES AS REQUIRED TO ENSURE THAT CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LOADS FOR THE STRUCTURE.												
9.	ALL REFERENCED CODES AND STANDARDS SHALL BE THE LATEST APPROVED EDITION, U.O.N.												
10.	IN THE CASE OF DISCREPANCIES BETWEEN THE STRUCTURAL DRAWINGS AND SPECIFICATIONS, THE INFORMATION SHOWN ON THE STRUCTURAL DRAWINGS SHALL GOVERN.												
<b>DESIGN CRITERIA</b>													
1. APPLICABLE CODES: CALIFORNIA BUILDING CODE, 2022 EDITION													
2. LIVE LOADS, UNIFORM AS FOLLOWS (REDUCIBLE U.O.N.): a. ROOF ..... 20psf b. TYPICAL FLOOR ..... 100psf													
3. SEISMIC DESIGN CRITERIA: SITE CLASS D SEISMIC DESIGN CATEGORY D RISK CATEGORY II													
$S_s = 0.607$ $S_1 = 0.234$ $S_{DS} = 0.532$ $S_{D1} = 0.333$		$I = 1.0$ $R = 5.0$ FOR SPECIAL REINFORCED MASONRY WALL $V = C_d W$ = 87 Kips (STRENGTH) $C_0 = S_{DS}/(R/I) = 0.106$											
(EQUIVALENT LATERAL FORCE PROCEDURE)													
4. WIND DESIGN CRITERIA: WIND EXPOSURE B RISK CATEGORY II $G C_{pi} = \pm 0.18$ $P = q_h (G C_p - G C_{pi})$		<table border="1"> <thead> <tr> <th>HEIGHT ABOVE GRADE (ft)</th> <th>VELOCITY PRESSURE <math>q_h</math> (psf)</th> </tr> </thead> <tbody> <tr> <td>0 - 15</td> <td>13.46</td> </tr> <tr> <td>20</td> <td>13.46</td> </tr> <tr> <td>25</td> <td>13.46</td> </tr> <tr> <td>30</td> <td>13.46</td> </tr> </tbody> </table>		HEIGHT ABOVE GRADE (ft)	VELOCITY PRESSURE $q_h$ (psf)	0 - 15	13.46	20	13.46	25	13.46	30	13.46
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COMPONENTS AND CLADDING: $C_p =$ SEE ASCE 7-16 CHAPTER 30, AS APPLICABLE MAIN WIND FORCE RESISTING SYSTEM: $C_p =$ SEE ASCE 7-16 CHAPTER 28, AS APPLICABLE													
5. DRIFT CRITERIA: $\Delta_{10} = 0.020 h_{10}$ PER ASCE 7-16 TABLE 12.12-1, ALL INTERIOR WALLS, PARTITIONS, CEILINGS, AND EXTERIOR WALL SYSTEMS SHALL BE DESIGNED TO ACCOMMODATE THIS STORY DRIFT.													
<b>FOUNDATION</b>													
1. FOR CHARACTER OF FOUNDATION SOIL, SEE SOILS REPORT BY DC INSPECTIONS, DATED MARCH 03, 2023.													
2. THE ALLOWABLE SOIL BEARING PRESSURE IS 2000psf AT CONVENTIONAL SHALLOW FOUNDATIONS. THE ALLOWABLE SOIL BEARING PRESSURES MAY BE INCREASED BY ONE THIRD WHEN CONSIDERING LOADING OF SHORT DURATION SUCH AS WIND OR SEISMIC FORCES.													
3. FOOTINGS SHALL EXTEND TO A MINIMUM DEPTH OF 1'-0" BELOW LOWEST ADJACENT SOIL GRADE.													
4. PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT: A. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT. B. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED. C. THE FOUNDATION EXCAVATIONS COMPLY WITH THE SOILS REPORT AND APPROVED PLAN.													
5. REFER TO SOILS REPORT FOR RECOMMENDATIONS FOR OVER EXCAVATION REQUIRED FOR BUILDING CONSTRUCTION.													
6. ALL FOOTINGS SHALL BE CAST AGAINST EARTH IN NEAT EXCAVATIONS UNLESS OTHERWISE DIRECTED BY THE PROJECT GEOTECHNICAL ENGINEER.													
<b>DEFERRED SUBMITTALS</b>													
DEFERRED SUBMITTALS ARE THOSE PORTIONS OF THE DESIGN THAT ARE NOT SUBMITTED AT THE TIME OF PERMIT APPLICATION AND THAT ARE TO BE SUBMITTED TO THE PERMITTING AGENCY FOR ACCEPTANCE PRIOR TO INSTALLATION OF THAT WORK.													
SUBMITTALS SHALL INCLUDE SHOP DRAWINGS AND STRUCTURAL CALCULATIONS STAMPED AND SIGNED BY A CIVIL OR STRUCTURAL ENGINEER WHO IS LICENSED IN THE STATE OF CALIFORNIA AND PROFICIENT IN THE WORK BEING PERFORMED. THE DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BEING SUBMITTED TO THE BUILDING DEPARTMENT FOR PERMITTING.													
1. ROOF TRUSSES.													



**Chas Rhoads**  
Architecture  
Interiors  
Landscape

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Drawing Status:

Contract Document

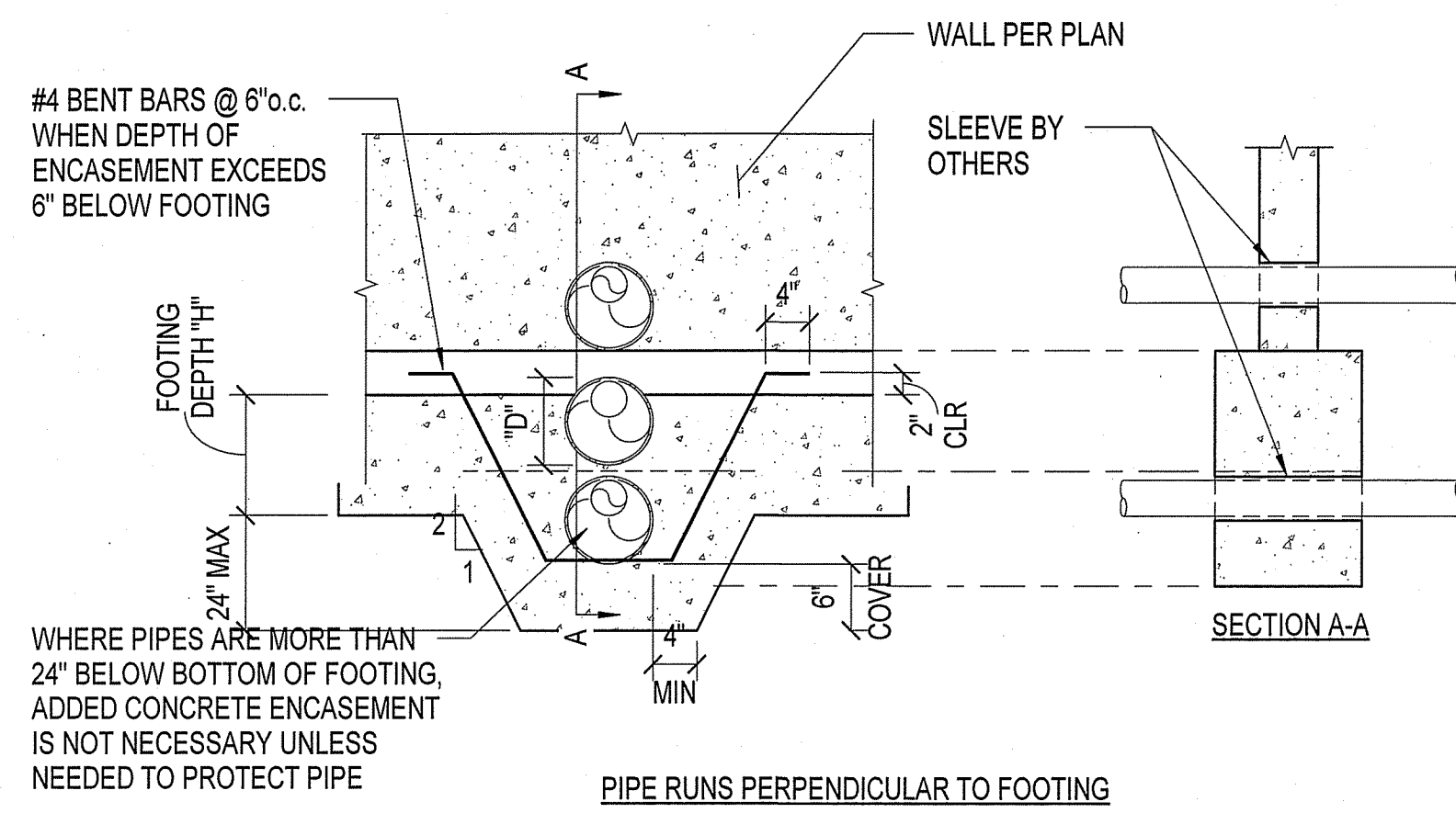
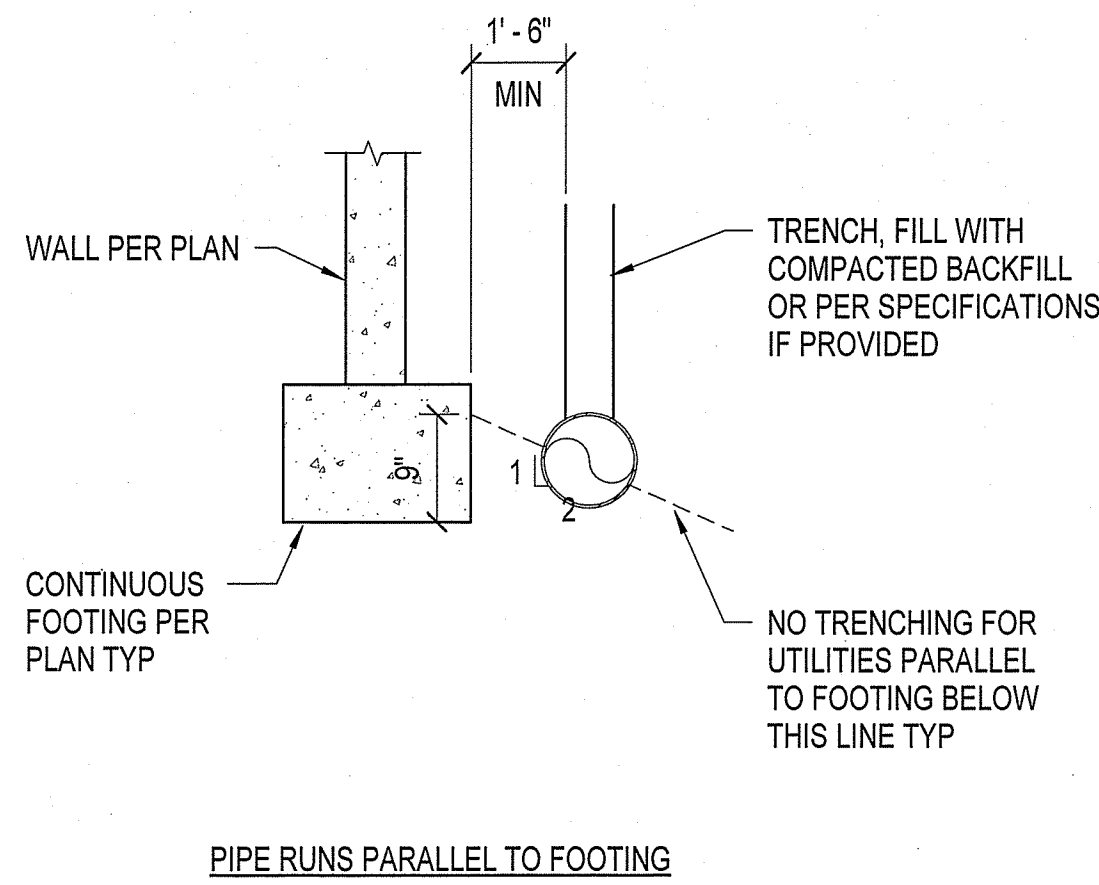
Revision Summary:


Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
South "O" Street  
Tulare, California

Sheet Description:  
**General Notes**

Date:	11/26/23
Project:	22-102
Scale:	As indicated
Sheet No.:	<b>SO.1</b>

Of # Sheets



- NOTES:**
- PIPES PARALLEL TO WALL AND FOOTINGS SHALL NOT BE PLACED WITHIN WALL OR FOOTING, UNLESS SPECIFICALLY DETAILED.
  - FOR PIPE SLEEVES THROUGH WALL OR FOOTING, "D" SHALL NOT EXCEED 0.33 TIMES "H". SLEEVES SHALL PROVIDE 3/4" CLEAR DISTANCE ALL ROUND PIPE.
  - UNLESS OTHERWISE DETAILED, MAXIMUM PIPE DIAMETER BELOW FOOTING SHALL BE 0.5 TIMES "H".
  - A MAXIMUM OF (3) INDIVIDUAL PENETRATIONS MAY BE INSTALLED THROUGH ANY ONE FOOTING, WITH CLEAR SPACING BETWEEN AS NOTED ABOVE. ADDITIONAL PENETRATIONS REQUIRE PRIOR APPROVAL OF THE ENGINEER OF RECORD.
  - FOR SPECIAL CONDITIONS NOT SHOWN HERE, REFER TO DETAILS NOTED ON FOUNDATION PLAN WHERE OCCURS.
  - PIPE PENETRATIONS SHALL BE LOCATED BETWEEN FOOTING REINFORCEMENT WHERE POSSIBLE.

PIPES AND TRENCHES AT BUILDING FOOTING **7**  
S1.1

MINIMUM CONCRETE COVER FOR REINFORCING STEEL	
SURFACE CAST AGAINST EARTH.....	3"
SURFACE EXPOSED TO EARTH OR WEATHER: NO. 6 AND LARGER.....	2"
NO. 5 AND SMALLER BAR.....	1 1/2"
SURFACE NOT EXPOSED TO EARTH OR WEATHER: STRUCTURAL SLAB BOTTOM BARS.....	1"
STRUCTURAL SLAB TOP BARS.....	1"
COLUMNS, BEAMS, AND GIRDERS.....	1 1/2"
WALLS.....	1"

- NOTE:**  
CLEARANCE IS FROM SURFACE OF CONCRETE TO SURFACE OF STEEL. VALUES SHOWN REPRESENT MINIMUM VALUES AND ARE TO BE USED UNLESS LARGER VALUES ARE SHOWN ON STRUCTURAL DETAILS.

MINIMUM CONCRETE COVER **4**  
S1.1

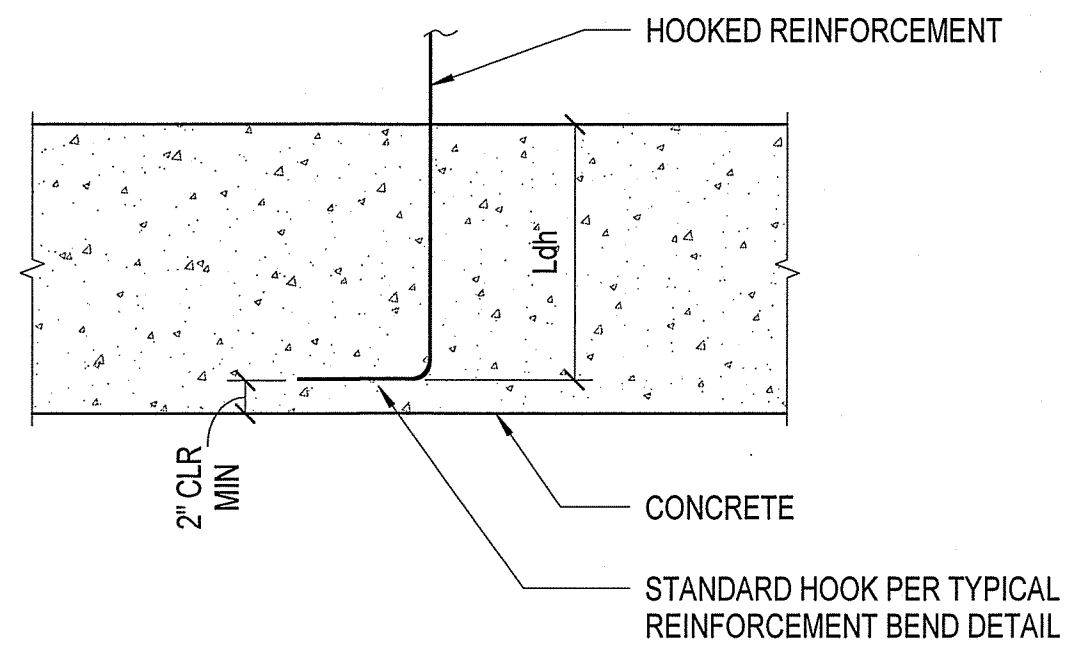
CONCRETE LAP SPLICES PER ACI 318 (INCHES)			
BAR SIZE	fc=3000 psi	fc=4000 psi	fc=5000 psi
3	24	24	24
4	29	25	24
5	36	31	28
6	43	37	34
7	63	54	49
8	72	62	56
9	81	70	63
10	91	79	71
11	101	87	78

- NOTES:**
- TABULATED VALUES ARE FOR NORMAL WEIGHT CONCRETE. DIVIDE BY 0.75 FOR LIGHTWEIGHT CONCRETE.
  - CLASS "B" SPLICES SHALL BE USED TYPICALLY, U.O.N. ON DRAWINGS.
  - TABULATED VALUES ARE FOR UNCOATED BARS.
  - TABULATED VALUES ASSUME CLEAR COVER IS AT LEAST 1 BAR DIAMETER AND CLEAR SPACING IS AT LEAST 2 BAR DIAMETERS.
  - FOR HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE BARS, MULTIPLY VALUES BY 1.3.
  - BARS LARGER THAN #11 SHALL NOT BE LAP SPliced.
  - BUNDLED BARS ARE NOT COVERED BY THIS SCHEDULE.
  - THIS TABLE APPLIES FOR GRADE 60 REBAR.

CONCRETE LAP SPLICE SCHEDULE **1**  
S1.1

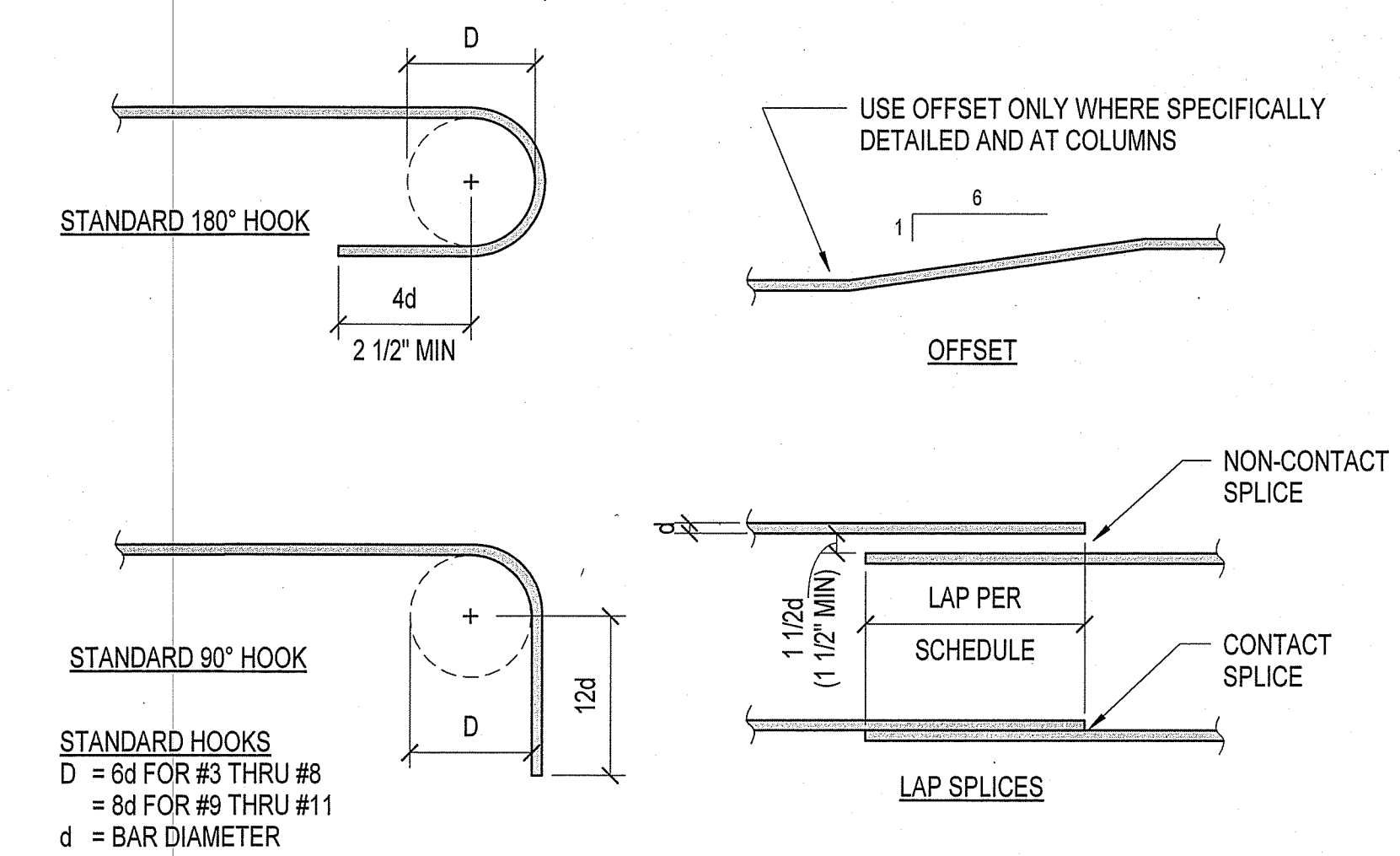
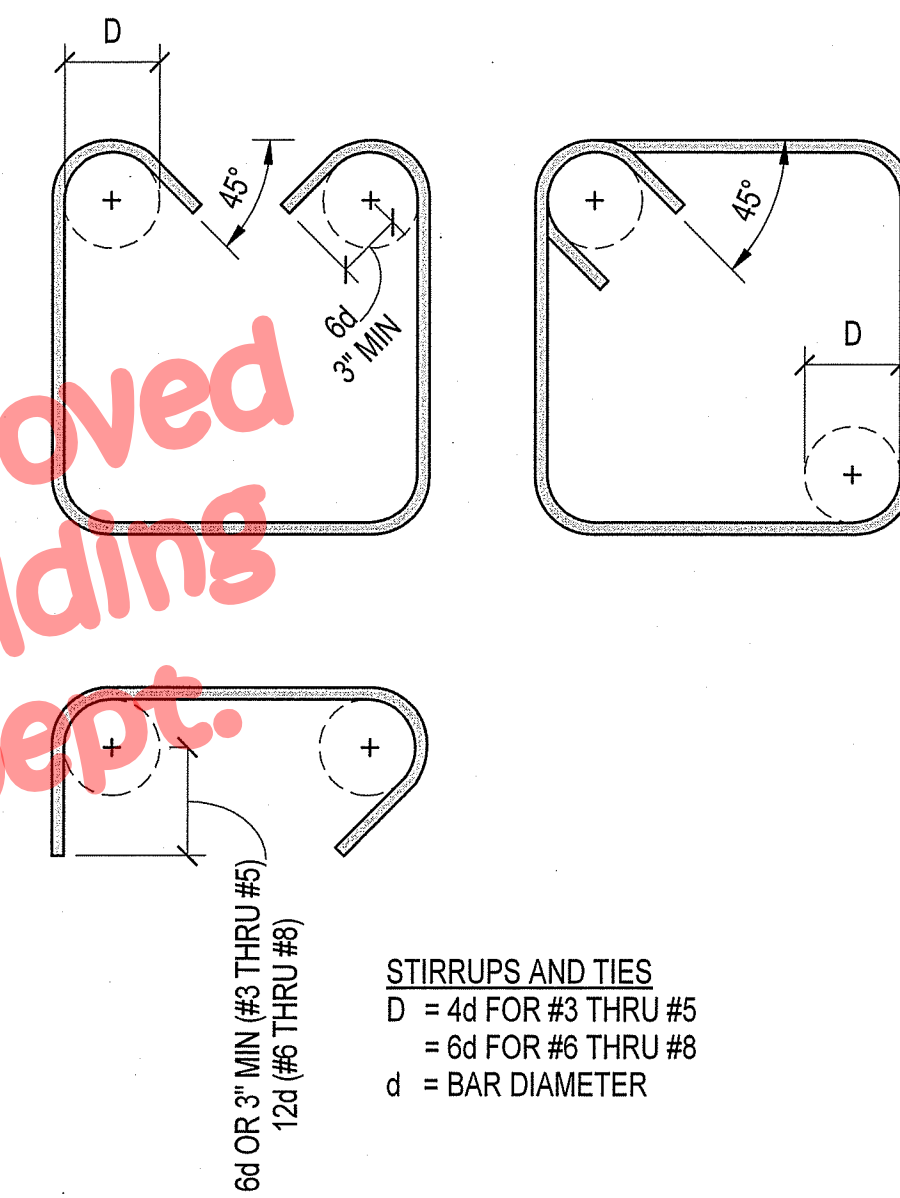
CONCRETE STRENGTH	HOOKED BAR EMBED LENGTH 'Ldh' (in)							
	#3	#4	#5	#6	#7	#8	#9	#10
3000psi	6	8	10	12	14	16	18	20
4000psi	6	7	9	10	12	15	16	17
5000psi	6	6	8	9	11	12	14	16

**NOTE:**  
VALUES ARE BASED ON SIDE COVER OF 2 1/2" NORMAL TO THE PLANE OF THE HOOK AND CLEAR COVER BEYOND THE HOOK AS SHOWN. MULTIPLY MINIMUM LENGTHS BY 1.43 WHERE COVER IS NOT PROVIDED.



HOOKED BAR DEVELOPMENT MINIMUMS 'Ldh' **8**  
S1.1

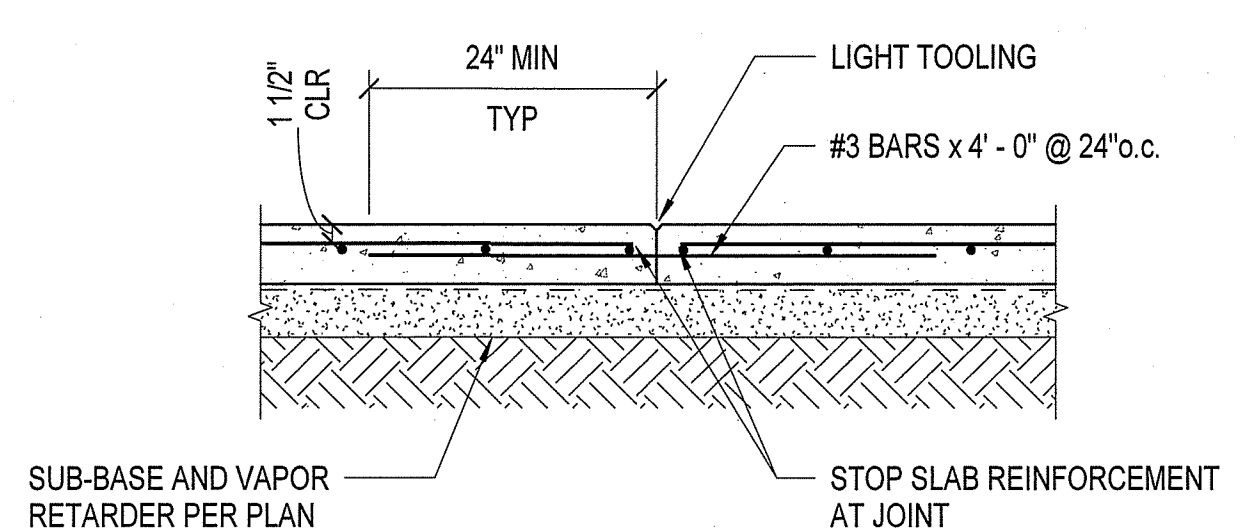
Approved Building Dept.



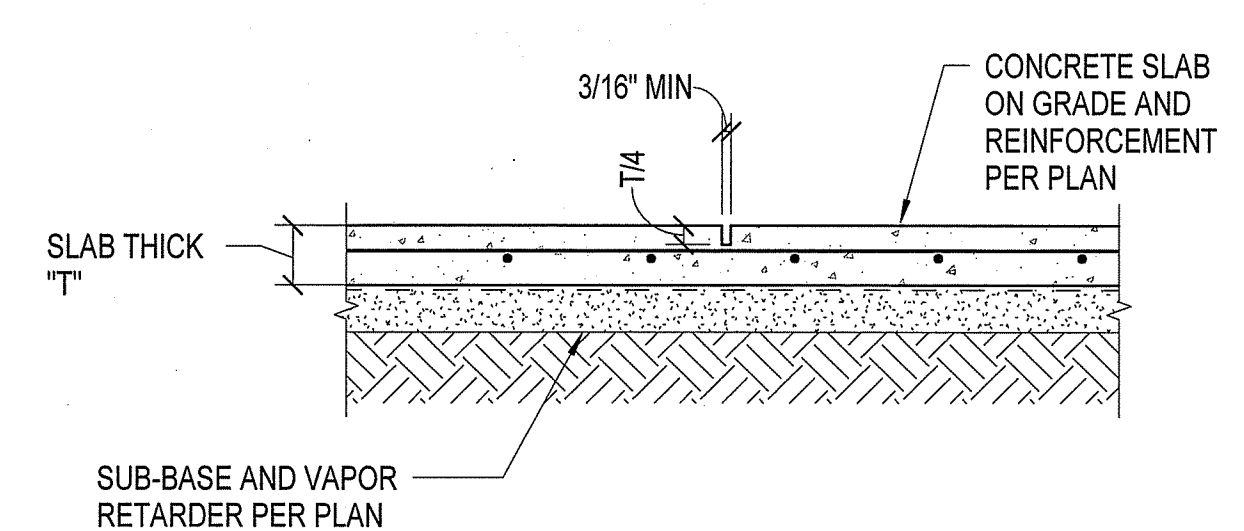
**STIRRUPS AND TIES**  
D = 4d FOR #3 THRU #5  
= 6d FOR #6 THRU #8  
d = BAR DIAMETER

**STANDARD HOOKS**  
D = 6d FOR #3 THRU #8  
= 8d FOR #9 THRU #11  
d = BAR DIAMETER

TYP REINFORCEMENT BENDS **2**  
S1.1

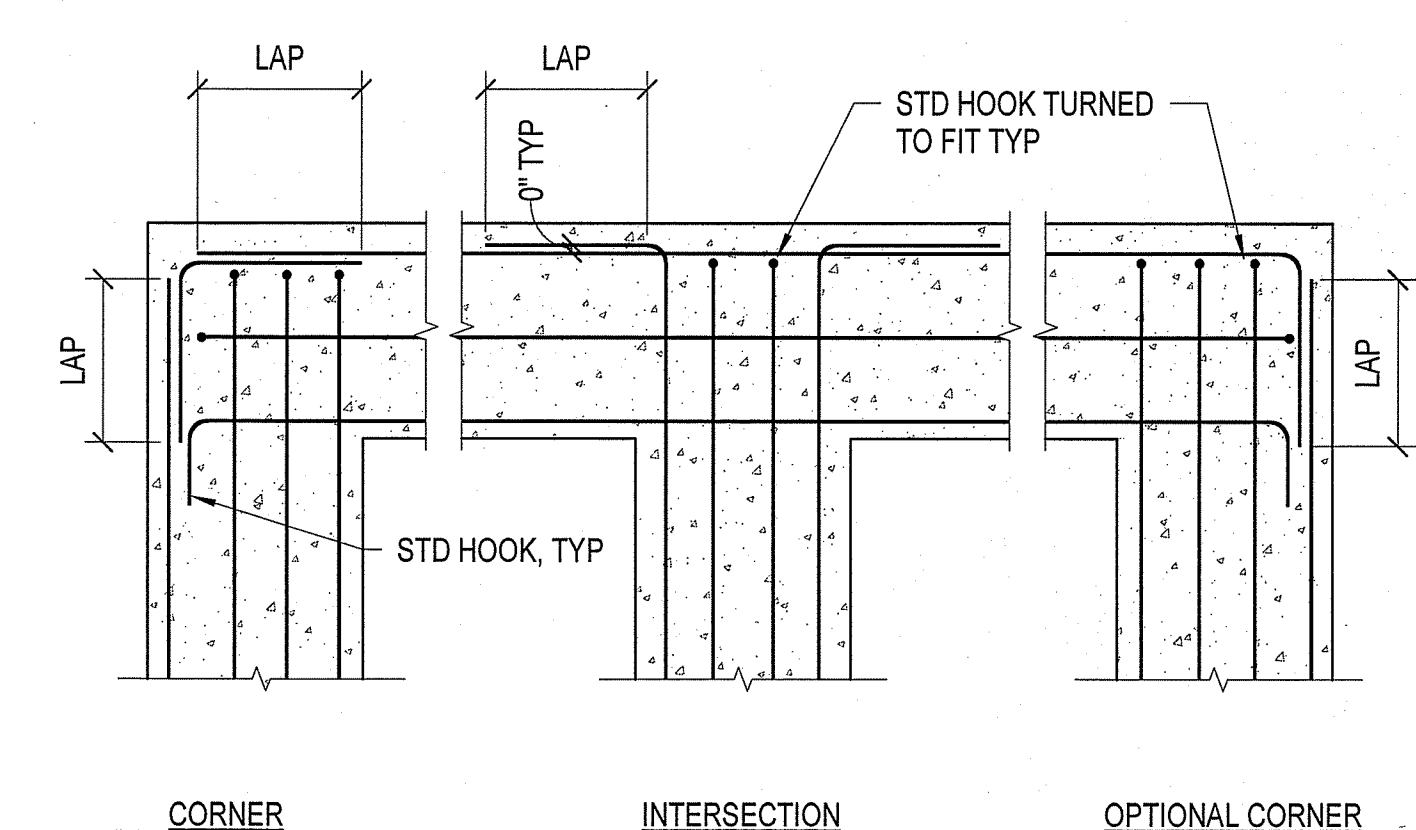


SLAB ON GRADE CONSTRUCTION JOINT **9**  
S1.1



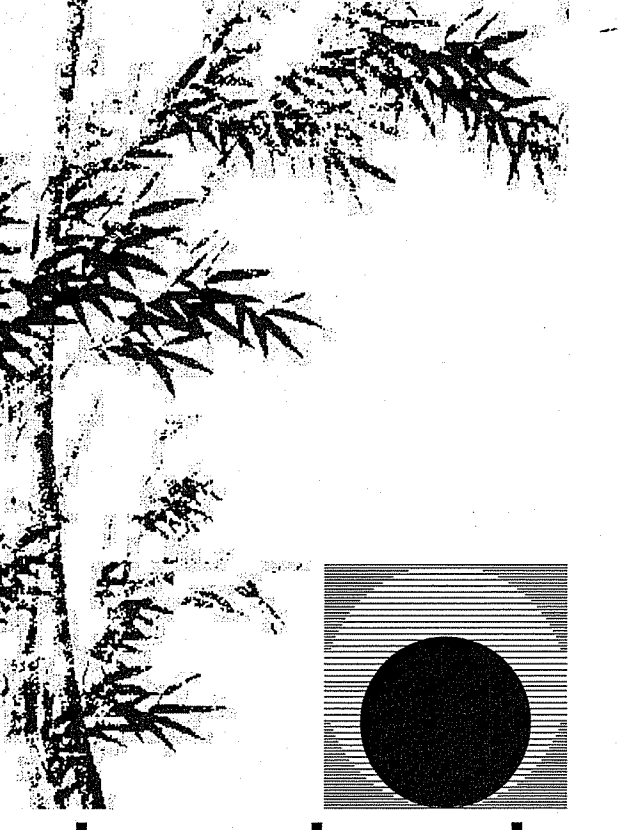
- NOTES:**
- SAWCUT AS CLOSE TO WALL OR COLUMN AS PRACTICAL.
  - SAWCUT WITHIN 8 HOURS AFTER STARTING POUR.
  - ALIGN A CONSTRUCTION OR CONTROL JOINT WITH RE-ENTRANT SLAB CORNERS EACH WAY, TYPICAL.

SLAB ON GRADE CONTROL JOINT **6**  
S1.1



- NOTES:**
- CONTRACTOR TO COORDINATE BAR SEQUENCE. LARGER DIAMETER BARS TO TAKE PRECEDENCE.
  - 'LAP' DENOTES LAP SPLICE PER **1** S1.1

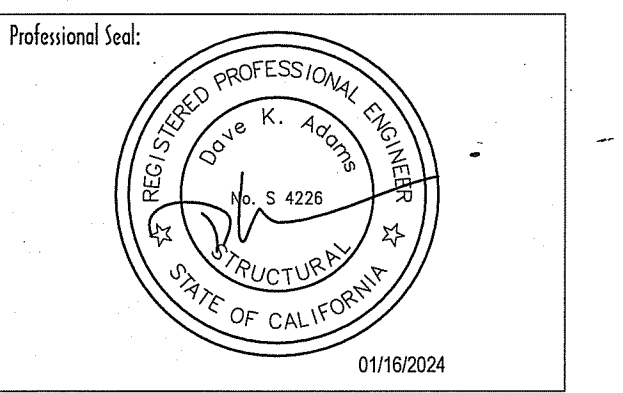
TYP REINF AT INTERSECTIONS OF CONC FOOTINGS **3**  
S1.1



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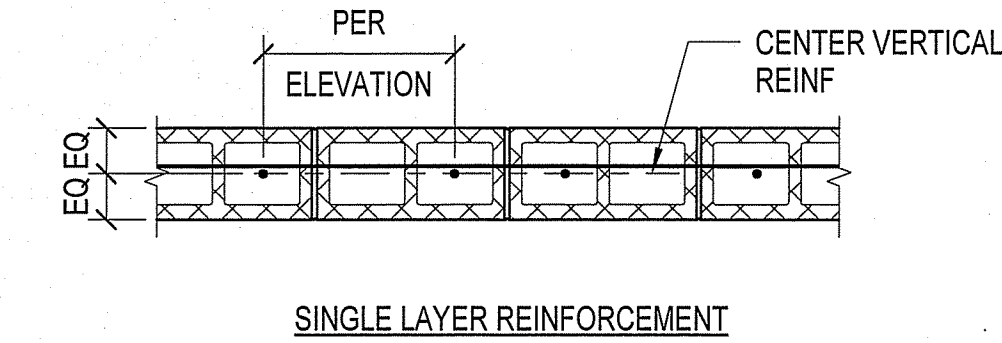
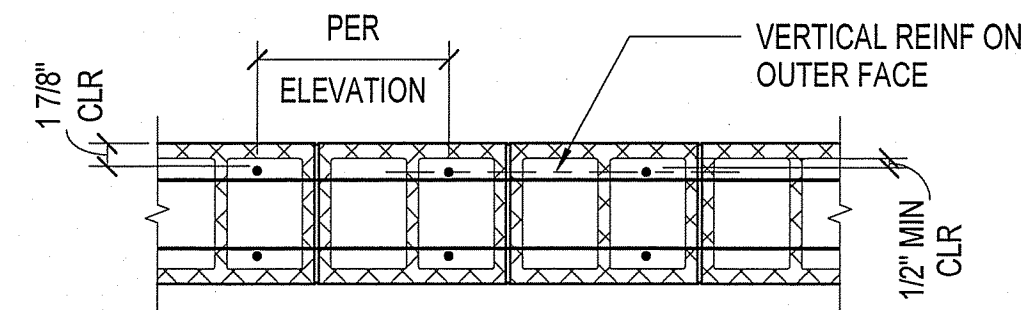
Revision Summary:


Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Typical Details**

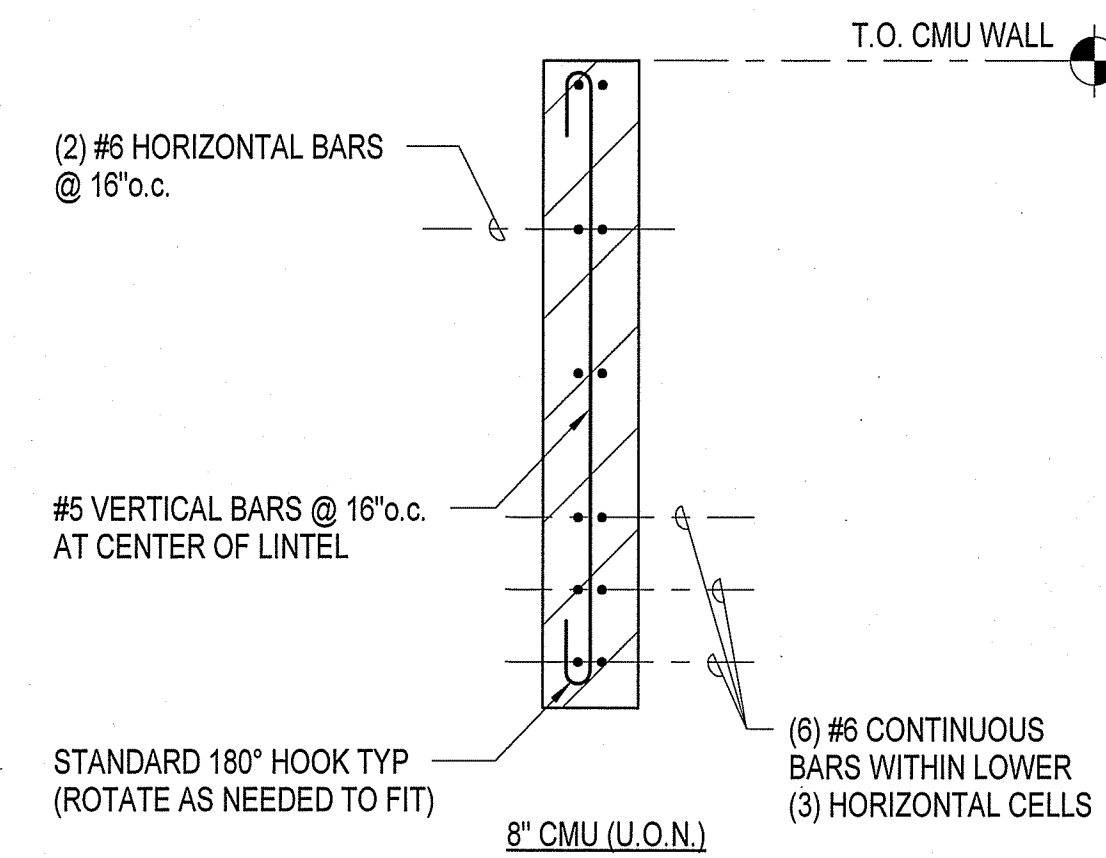
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Project:	22-102
Scale:	As indicated
Sheet No.:	<b>S1.1</b>

Of # Sheets

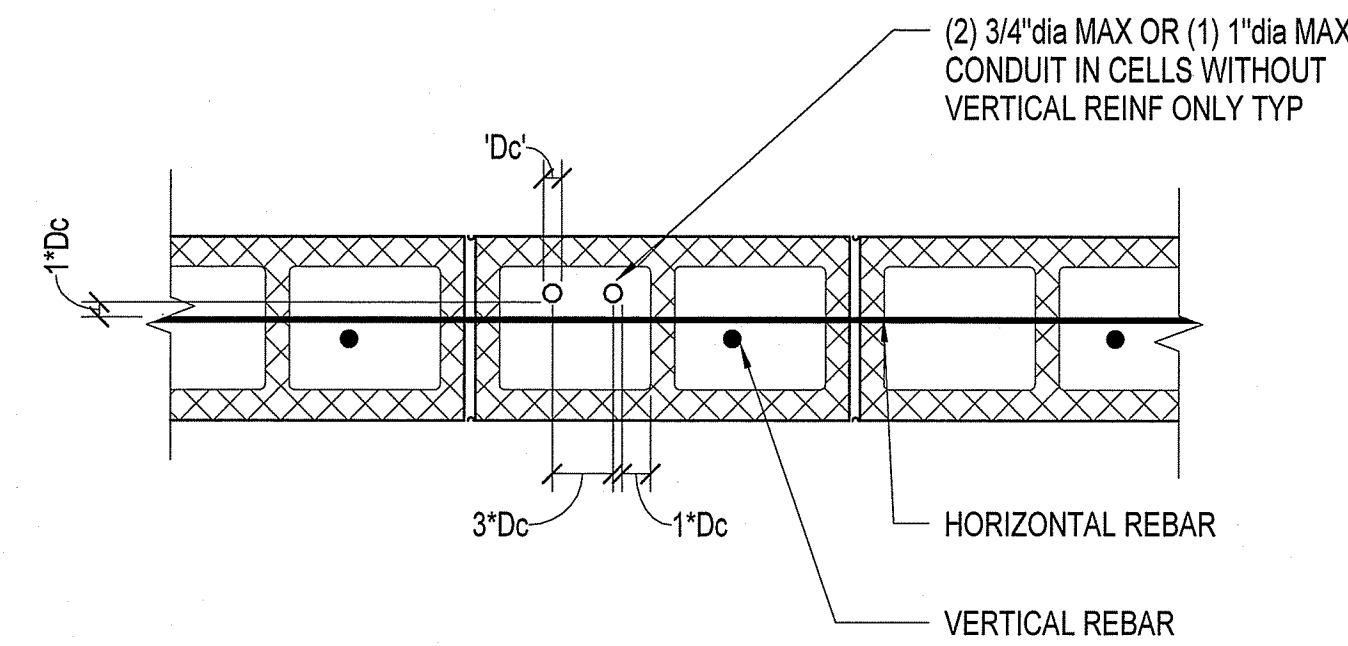


TYPICAL REINFORCEMENT PLACEMENT IN WALL 10  
S1.2

NOTES:  
1. UNLESS OTHERWISE NOTED ON PLAN, THIS DETAIL APPLIES FOR LINTELS WITH LENGTHS BETWEEN 8'-1" AND 20'-0" IN CLEAR SPAN LENGTH.  
2. FOR BASIC CONSTRUCTION, SEE DETAIL 9  
S1.2



MASONRY LINTEL GREATER THAN 8'-0" 5  
S1.2



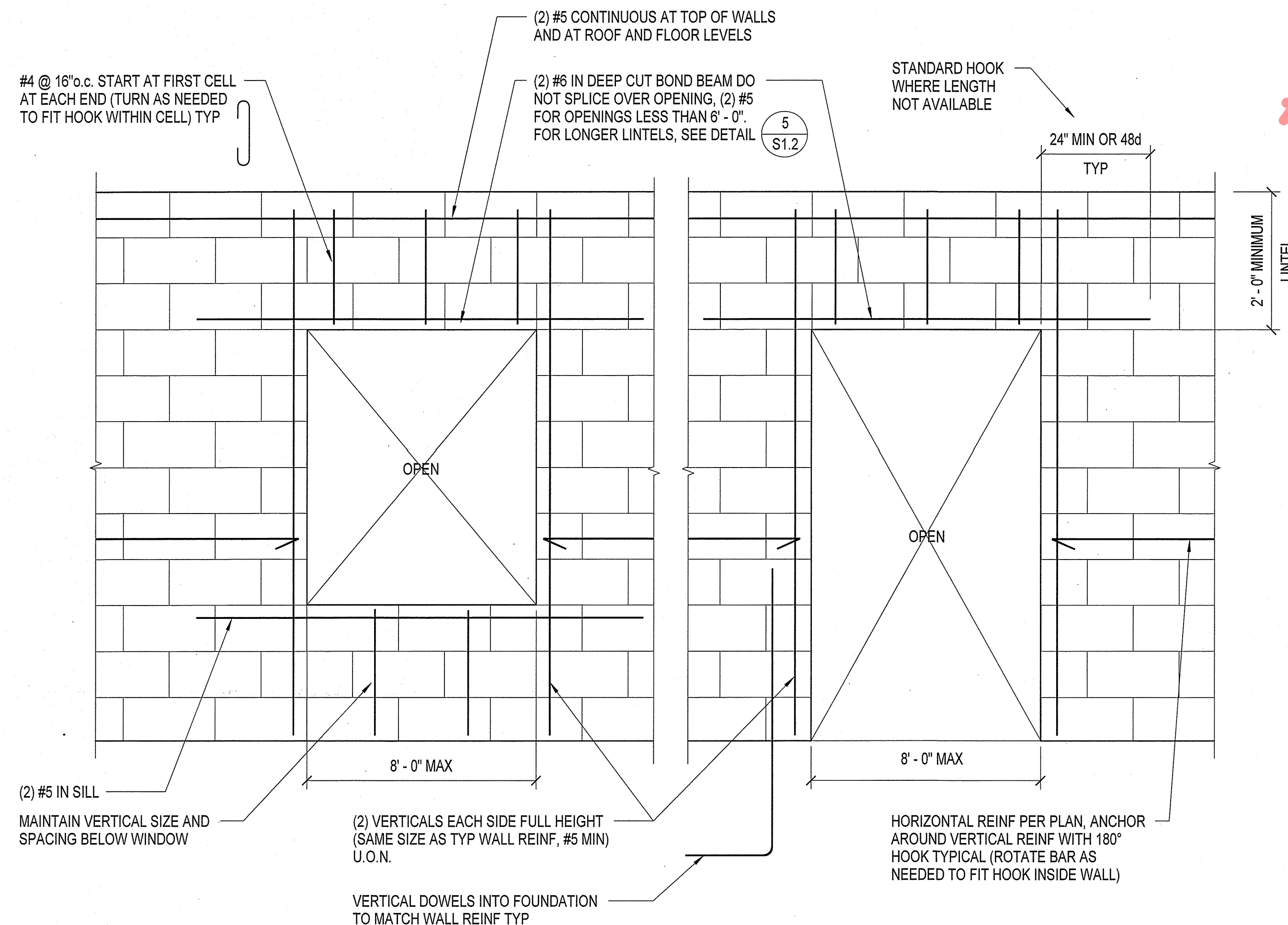
NOTE:  
1. NO CONDUITS ARE ALLOWED IN CELLS WITH VERTICAL REINFORCEMENT.  
2. NOTE DIMENSIONS ARE MINIMUM SPACINGS.  
3. 'Dc' DENOTES DIAMETER OF LARGEST CONDUIT.

TYPICAL CONDUIT IN CMU WALLS 4  
S1.2

MASONRY LAP SPLICES PER TMS 402		
BAR SIZE	2" MIN CLEAR COVER & SPACING LAP (INCHES):	2.75" MIN CLEAR COVER & SPACING LAP (INCHES):
3	13	12
4	22	16
5	35	25
6	54	47
7	63	63
8	72	72
9	81	81

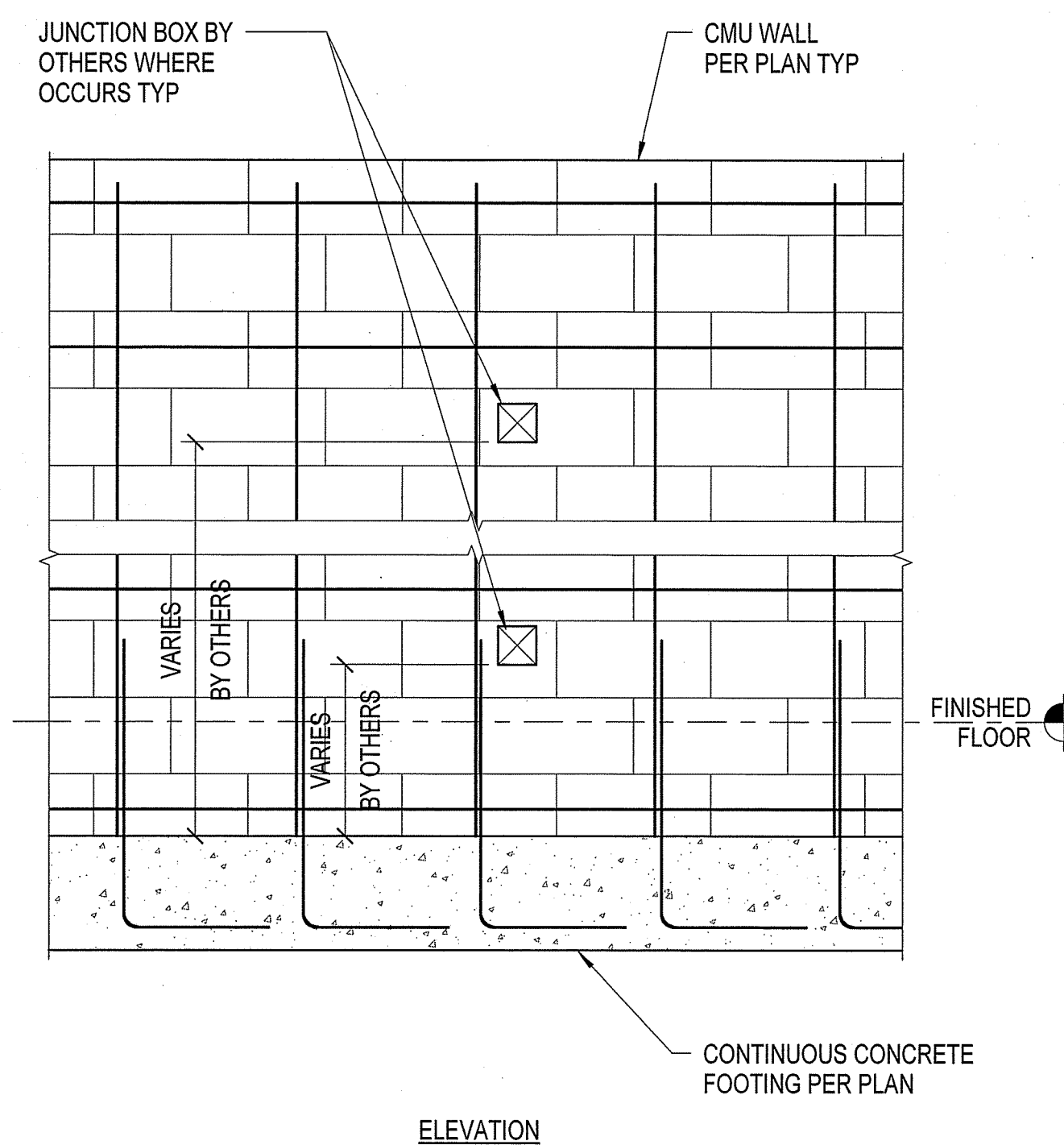
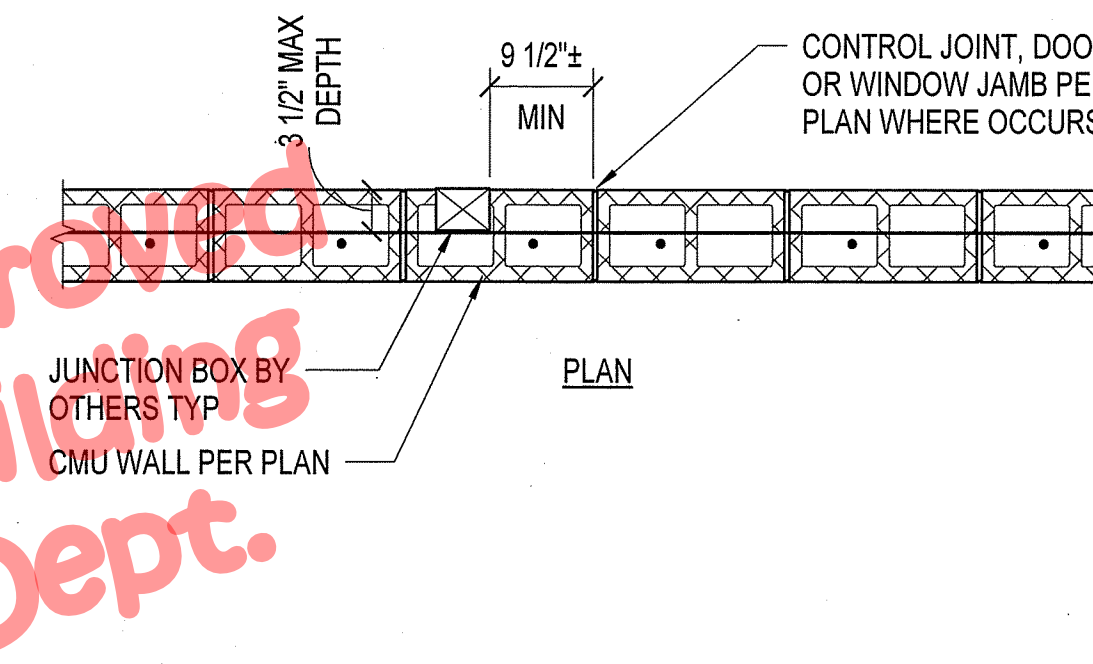
NOTES:  
1. TABULATED VALUES ARE FOR GRADE 60 REINFORCING BAR AND MINIMUM 2000 psi MASONRY.  
2. TABULATED VALUES ARE FOR UNCOATED BARS.  
3. TABULATED VALUES ASSUME MINIMUM CLEAR COVER AND SPACING AS NOTED.  
4. #9 BARS ARE THE LARGEST DIAMETER BARS ALLOWED FOR USE IN MASONRY.  
5. BUNDLED BARS ARE NOT PERMITTED IN MASONRY.  
6. FOLLOW TMS 402 FOR CIRCUMSTANCES NOT MEETING THESE ASSUMPTIONS.

MASONRY LAP SPLICE SCHEDULE 1  
S1.2

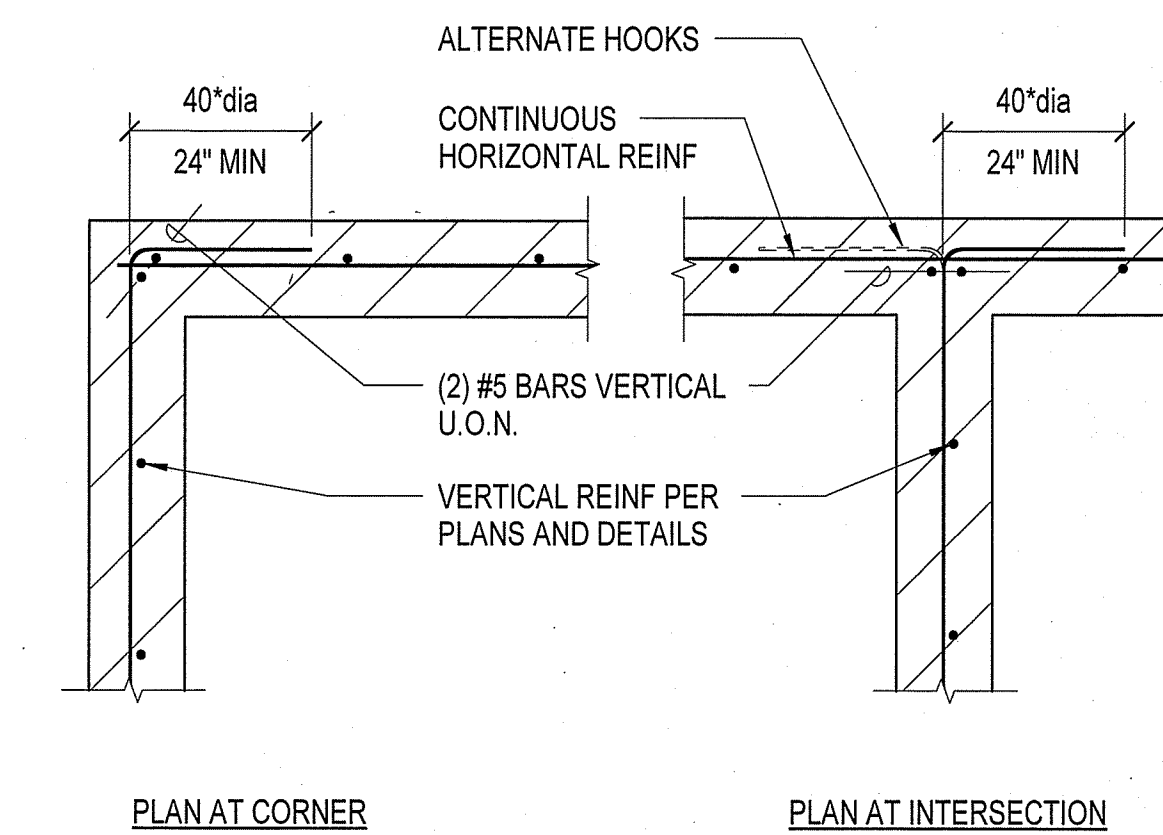


NOTES:  
1. FOR TYPICAL WALL REINFORCEMENT, SEE DETAIL 4  
S1.3  
2. d = BAR DIAMETER.

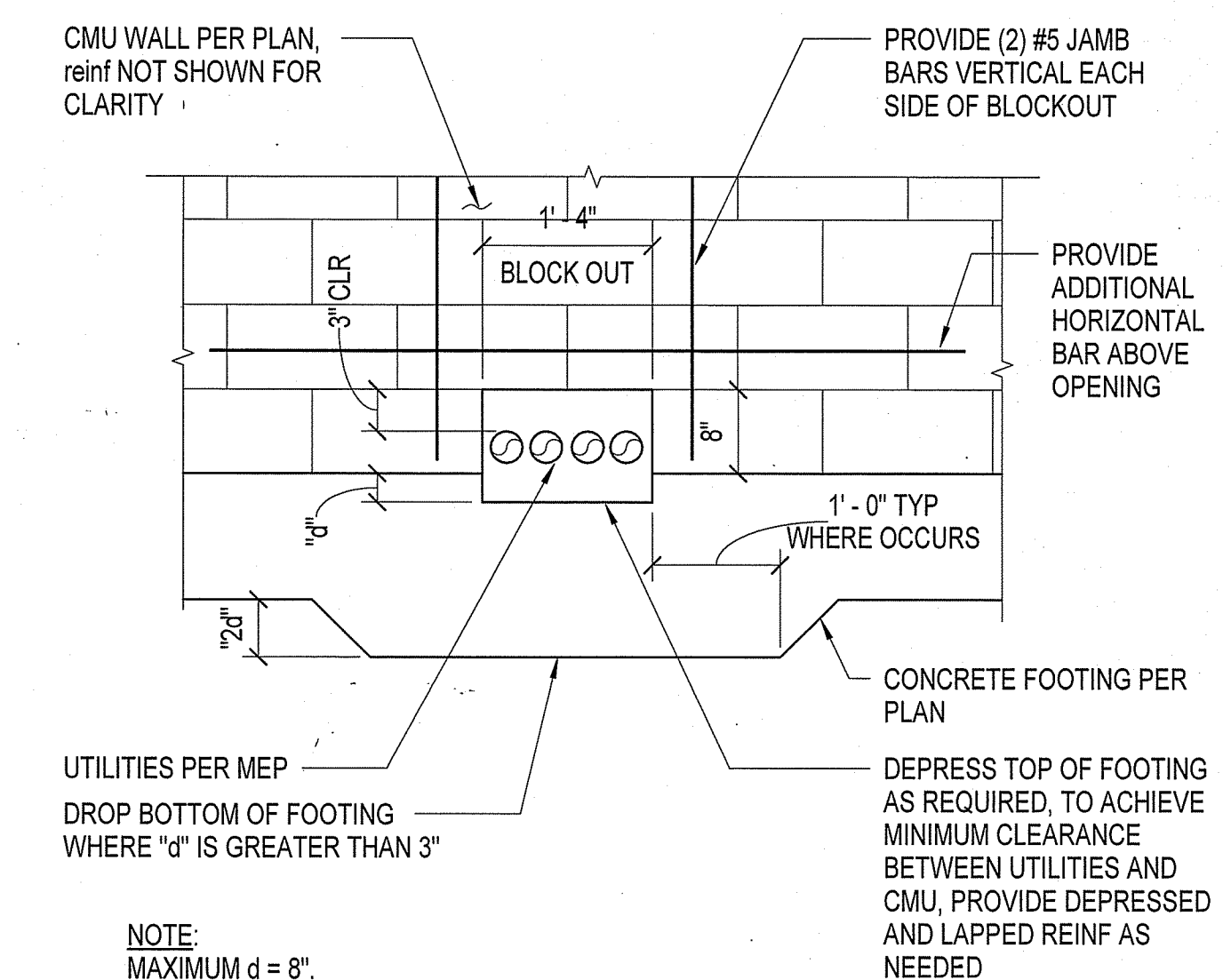
TYPICAL MASONRY WALL OPENING ELEVATION 9  
S1.2



TYPICAL JUNCTION BOX AT CMU WALLS 6  
S1.2

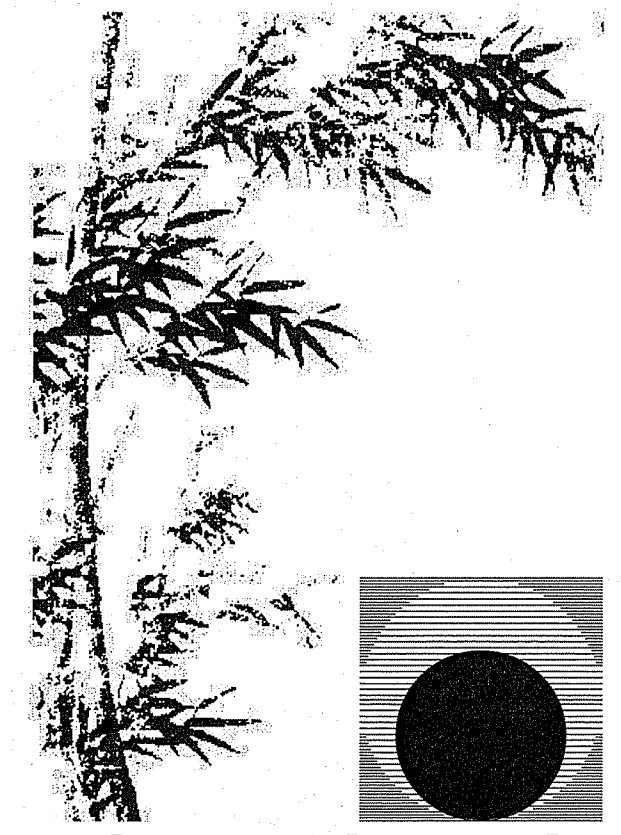


REINFORCEMENT AT INTERSECTIONS OF CMU WALLS 2  
S1.2



NOTE:  
MAXIMUM d = 8".

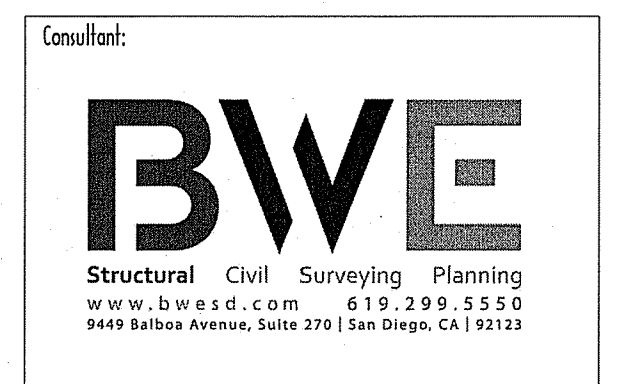
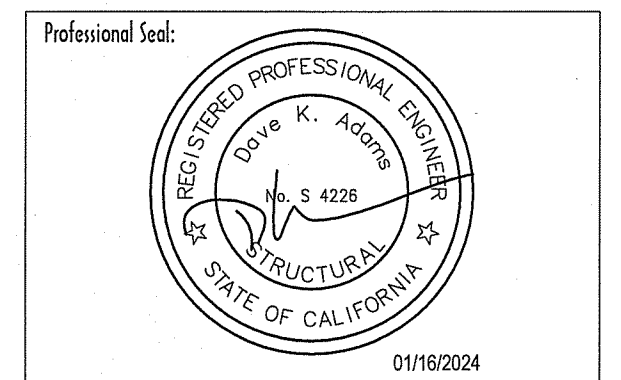
UTILITIES THROUGH CMU WALLS 3  
S1.2



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Tulare County Sheriff  
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Tulare, California

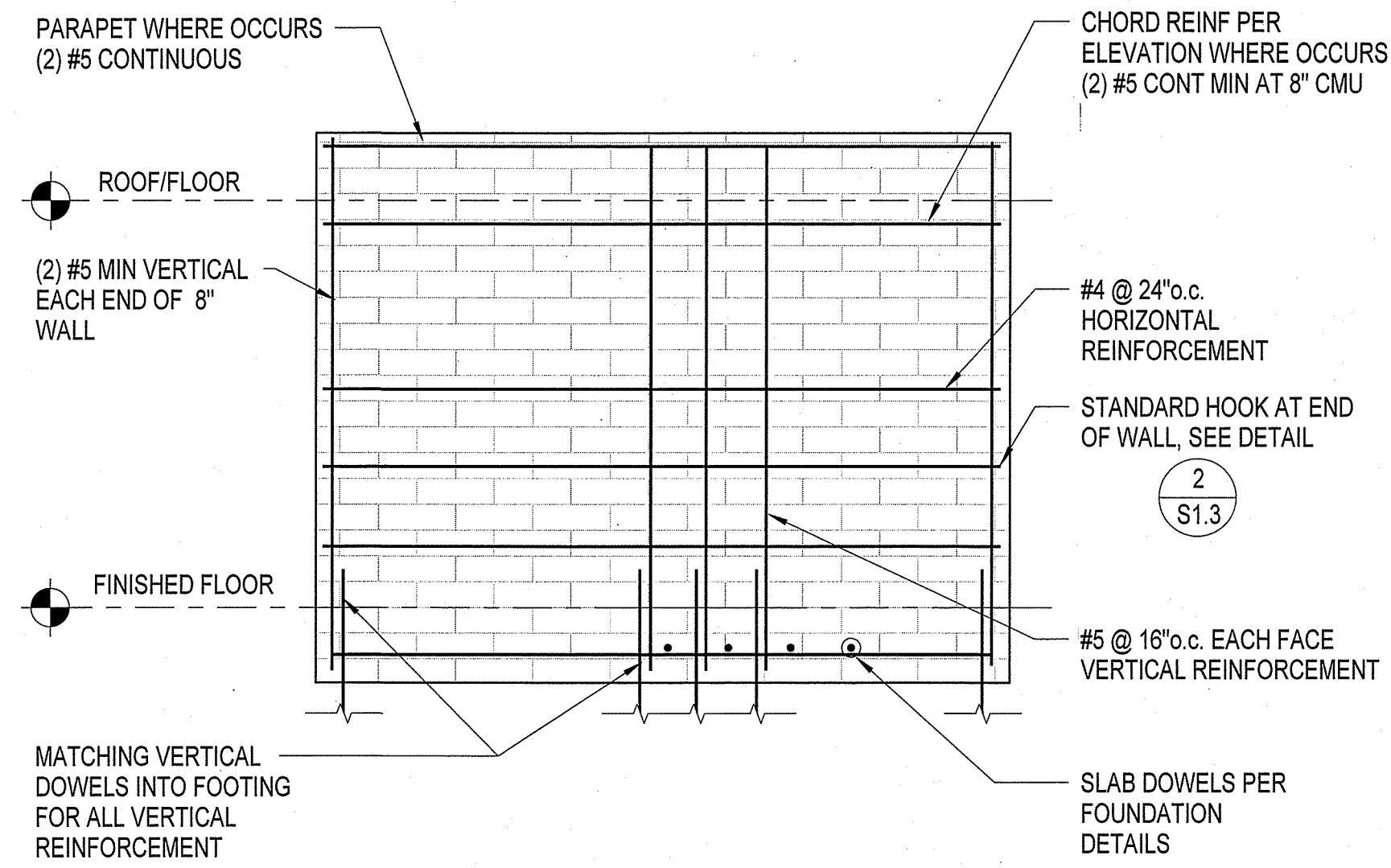
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Typical Details

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Project: 22-102  
Scale: As indicated  
Sheet No.:

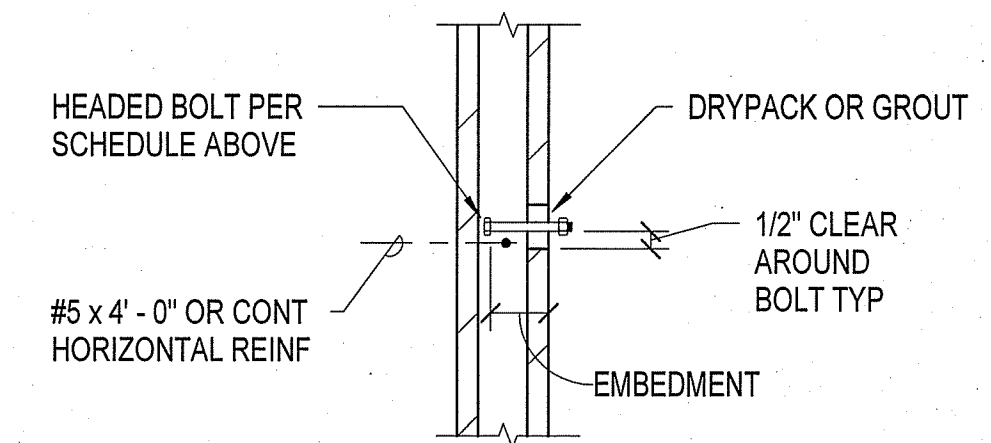
**S1.2**

Of # Sheets



- NOTES:  
 1. REINFORCEMENT IS TYPICAL U.O.N.  
 2. FOR OPENINGS IN MASONRY WALLS, SEE DETAIL: (9) S1.2  
 3. PLACE REINFORCEMENT WITHIN WALL PER DETAIL: (10) S1.2  
 4. FOR JUNCTION BOXES, SEE DETAIL: (6) S1.2

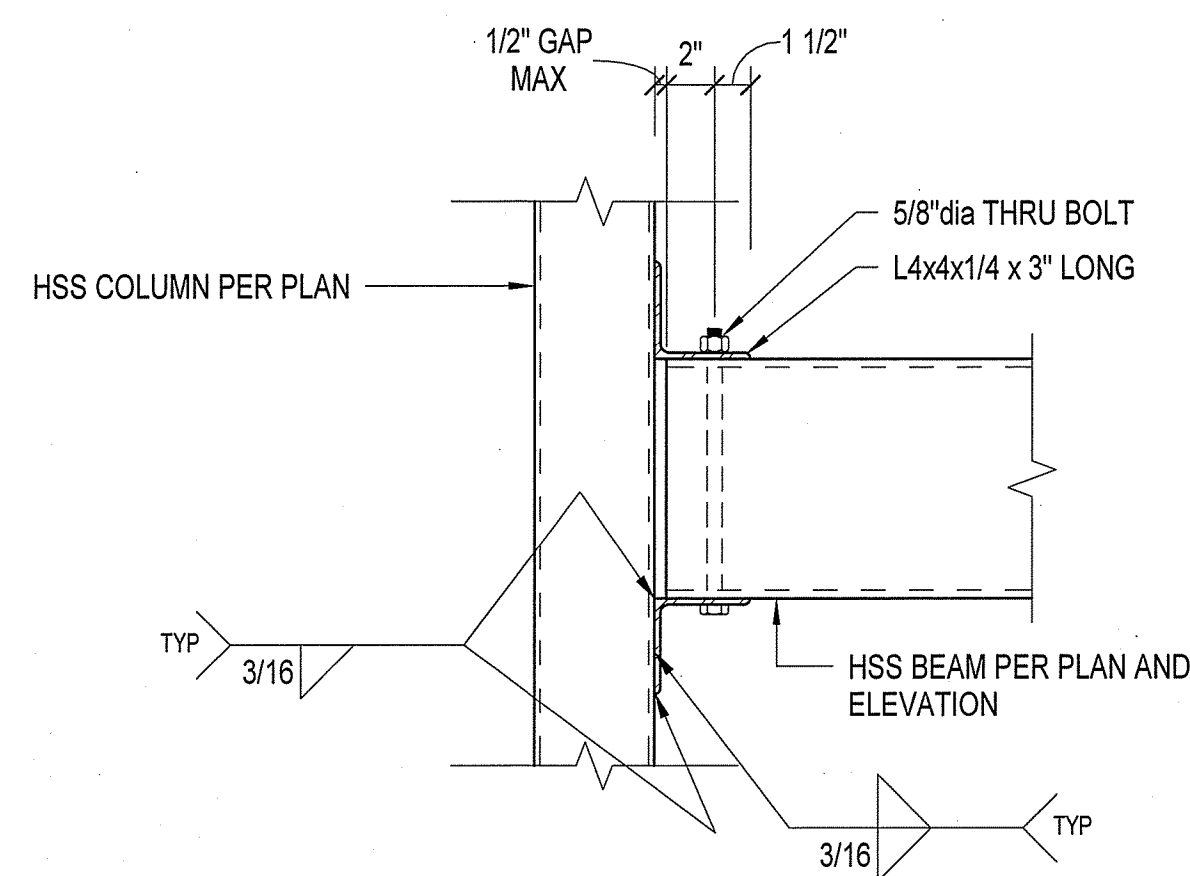
TYPICAL MASONRY WALL REINFORCING (4) S1.3



MIN EMBEDMENT FOR ALL BOLTS IN CMU WALLS	
BOLT SIZE	EMBEDMENT
1/2"	4"
5/8"	5"
3/4"	6" (5" AT 8" CMU)

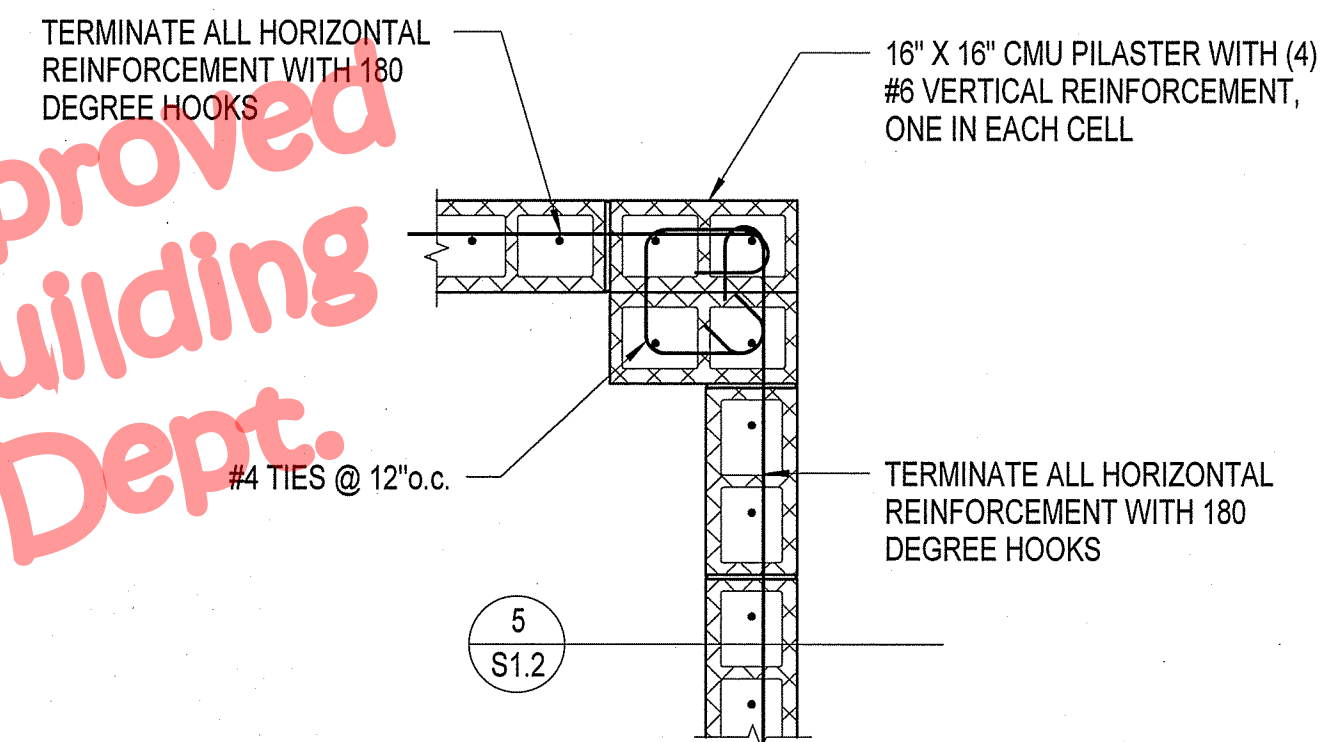
NOTE:  
 BOLTS SHALL BE ACCURATELY SET WITH TEMPLATES PRIOR TO PLACING GROUT.

ANCHOR BOLT TO CMU WALL (1) S1.3

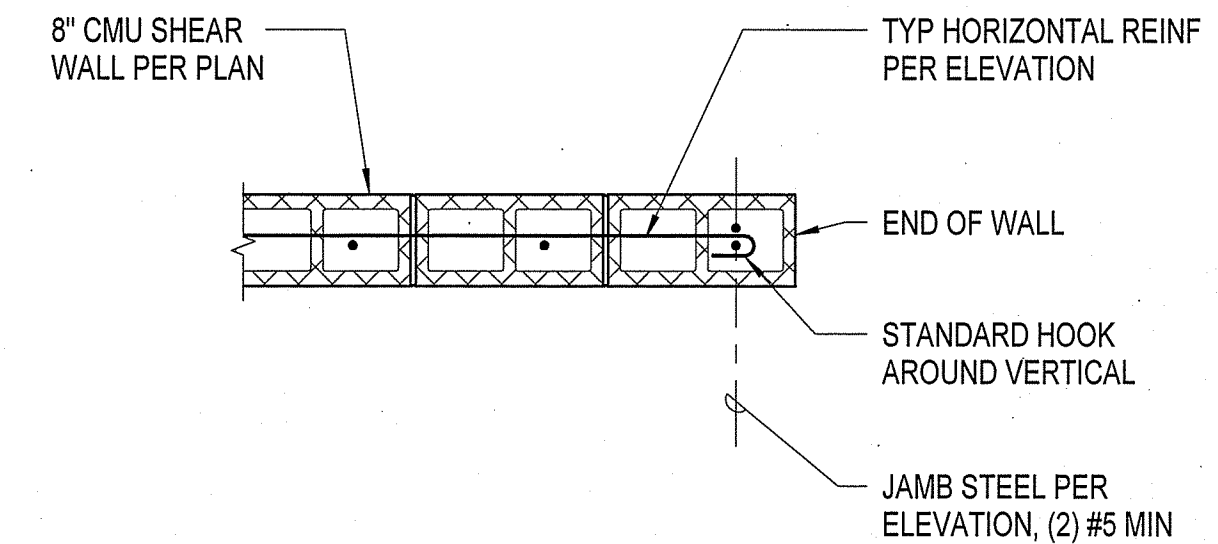


BOLTED HSS BEAM CONNECTION (8) S1.3

**Approved Building Dept.**

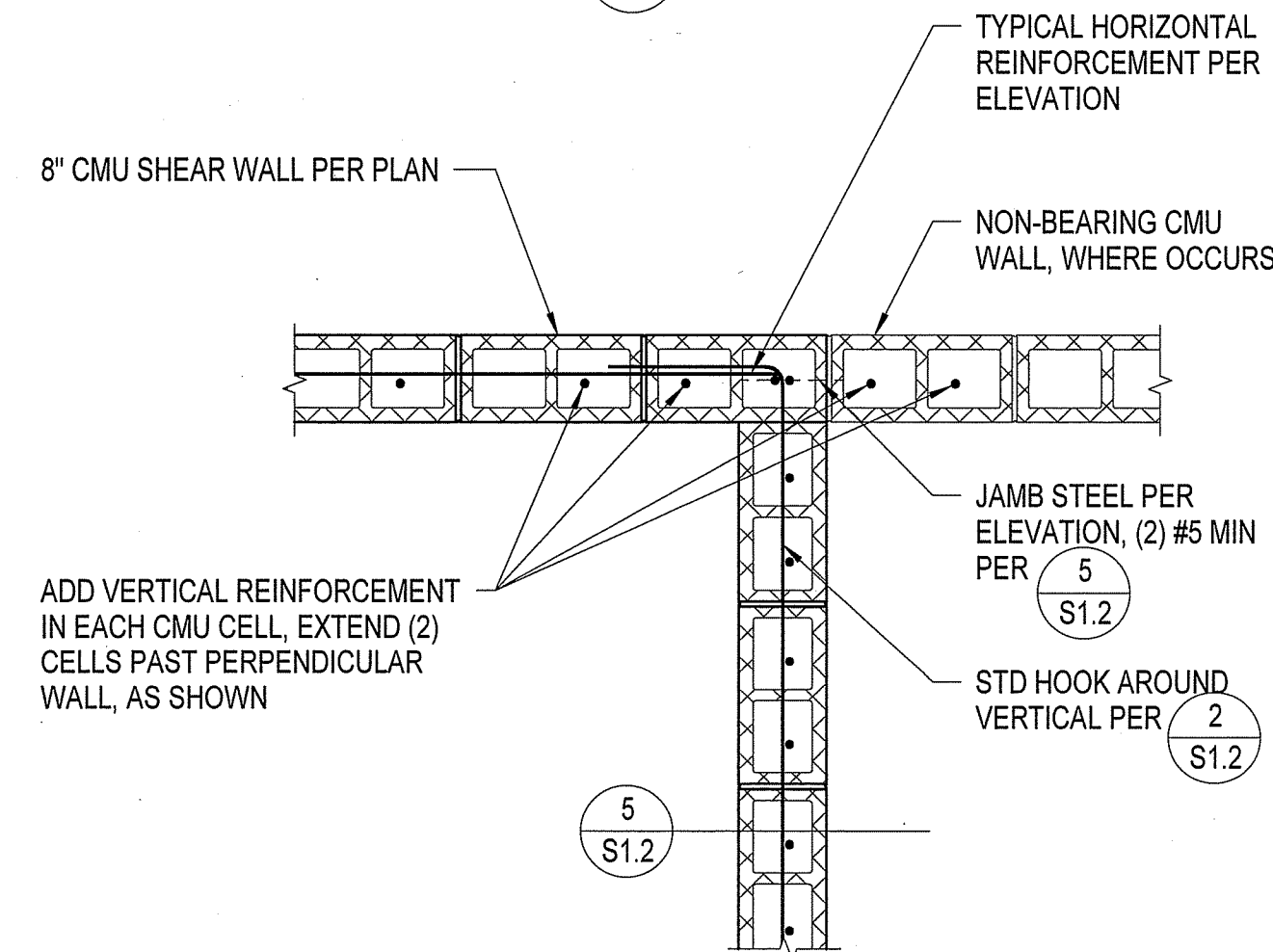


CMU LINTEL TO PILASTER (PLAN VIEW) (5) S1.3

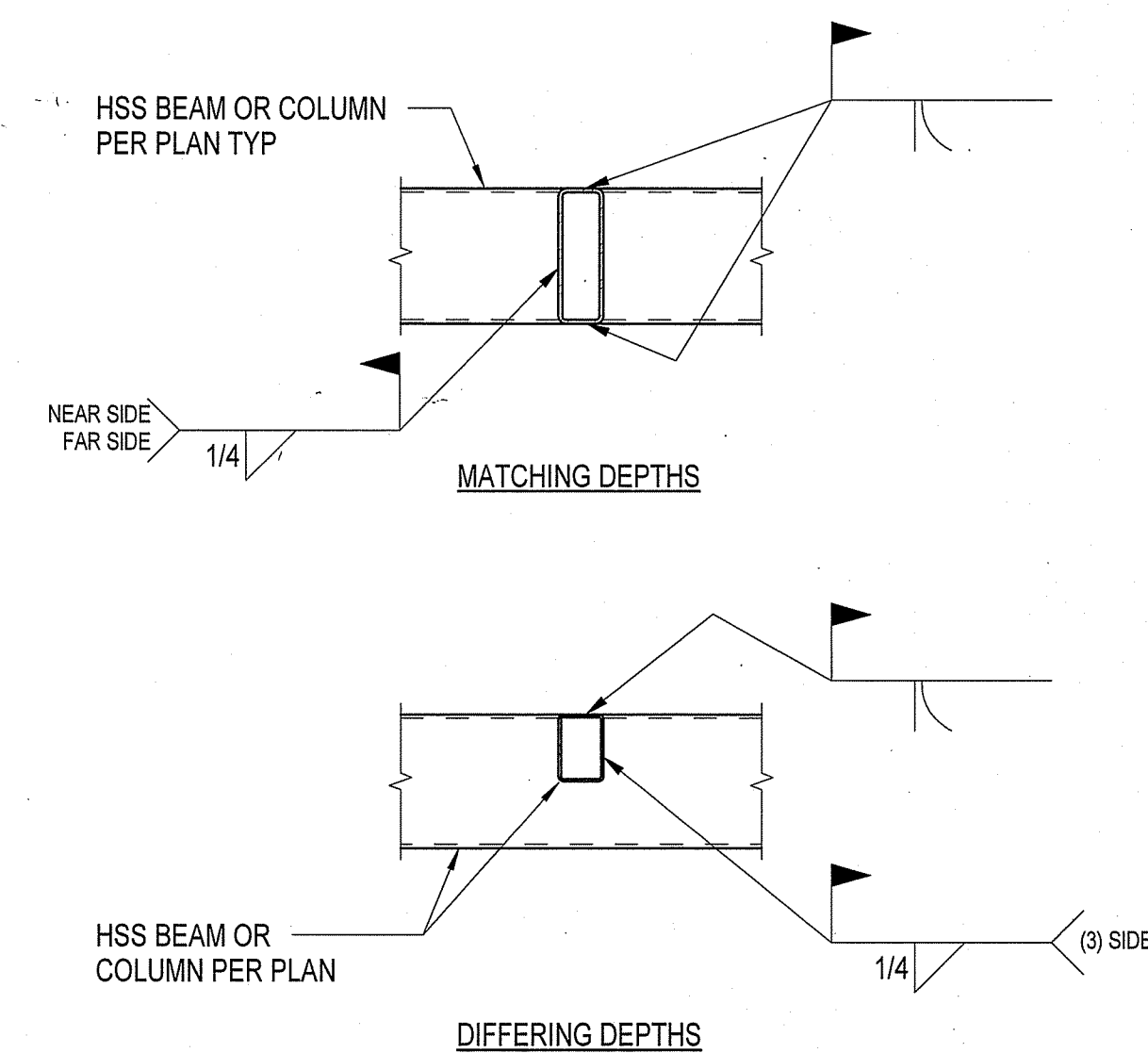


END OF CMU SHEAR WALL (PLAN VIEW) (2) S1.3

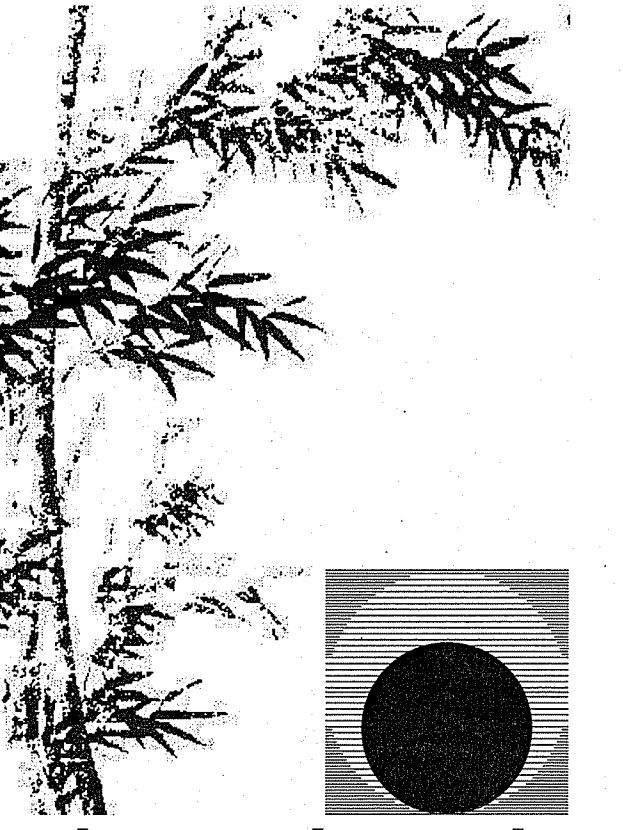
- NOTES:  
 1. FOR ADDITIONAL INFORMATION, SEE (2) S1.2  
 2. AT END WALL CONDITION (AT OPENING), SEE (2) S1.2



CMU LINTEL TO PERPENDICULAR WALL (PLAN VIEW) (6) S1.3



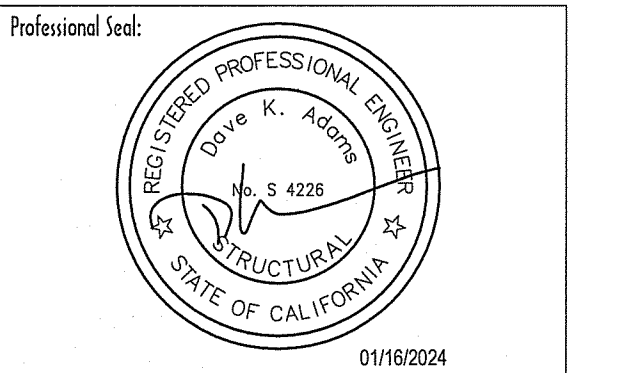
HSS TO HSS MEMBER CONNECTION (3) S1.3



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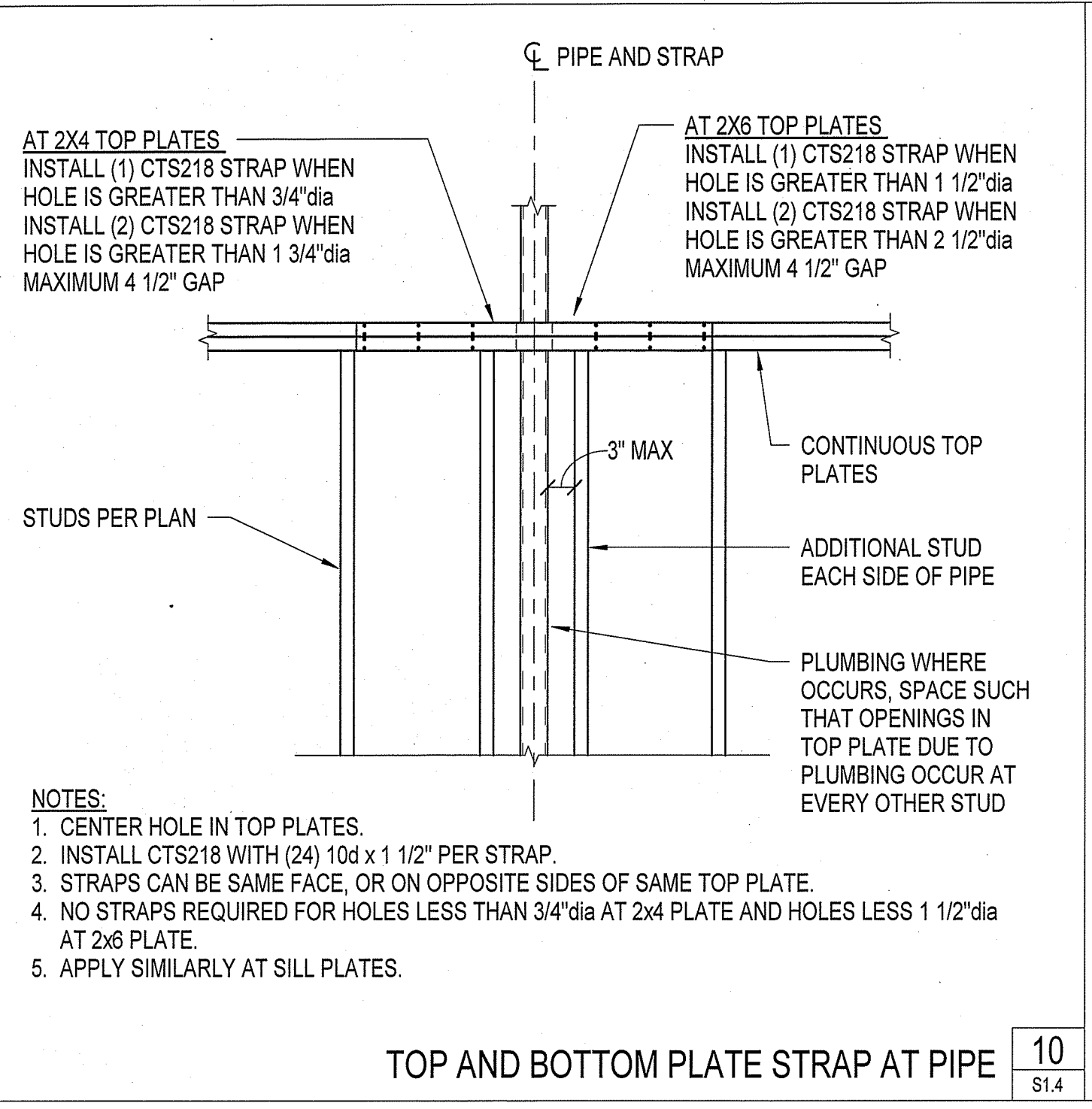

Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
**Typical Details**

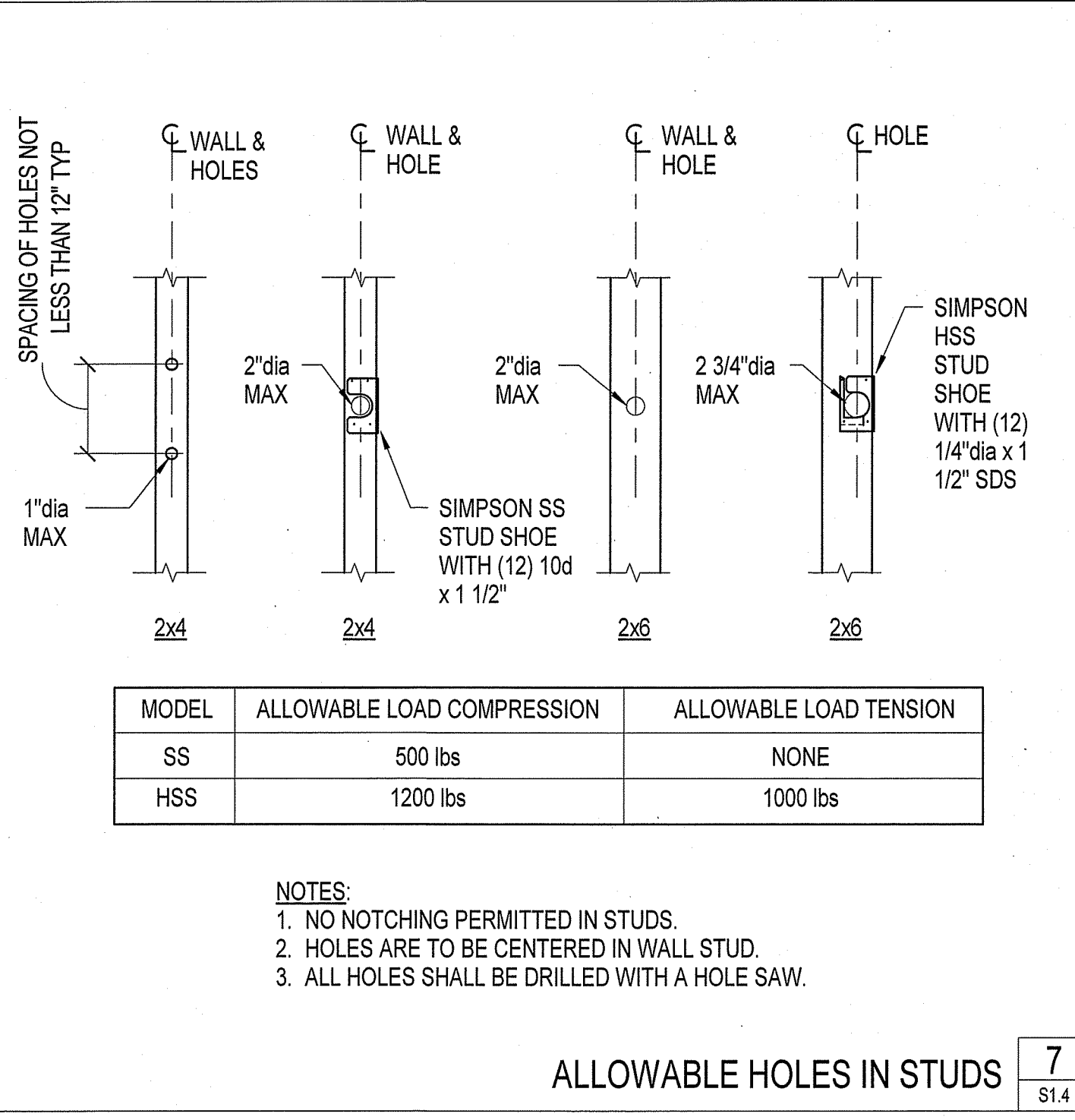
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Project:	22-102
Scale:	As indicated
Sheet No.:	

**S1.3**

Of # Sheets

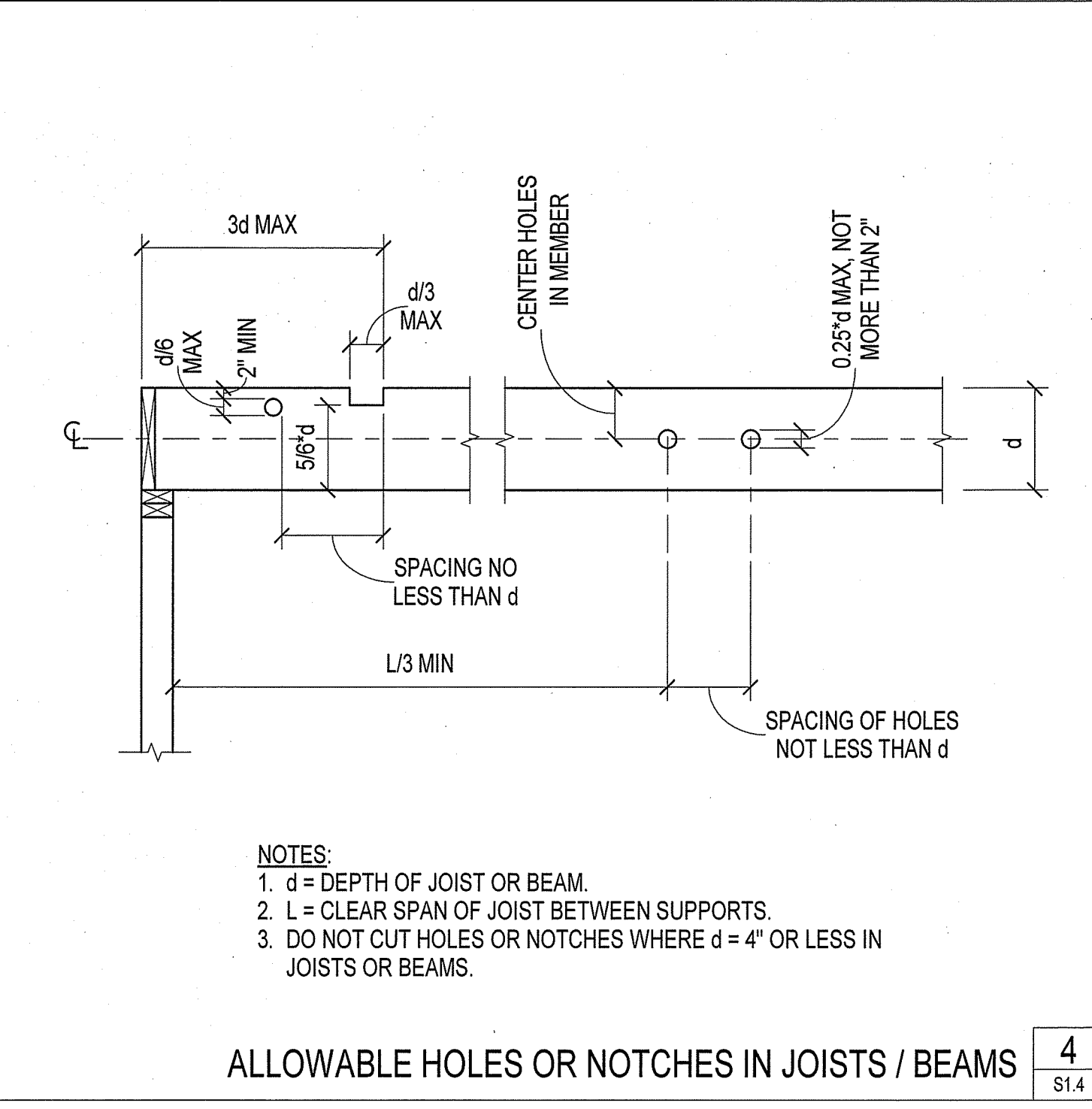


TOP AND BOTTOM PLATE STRAP AT PIPE **10**  
S1.4



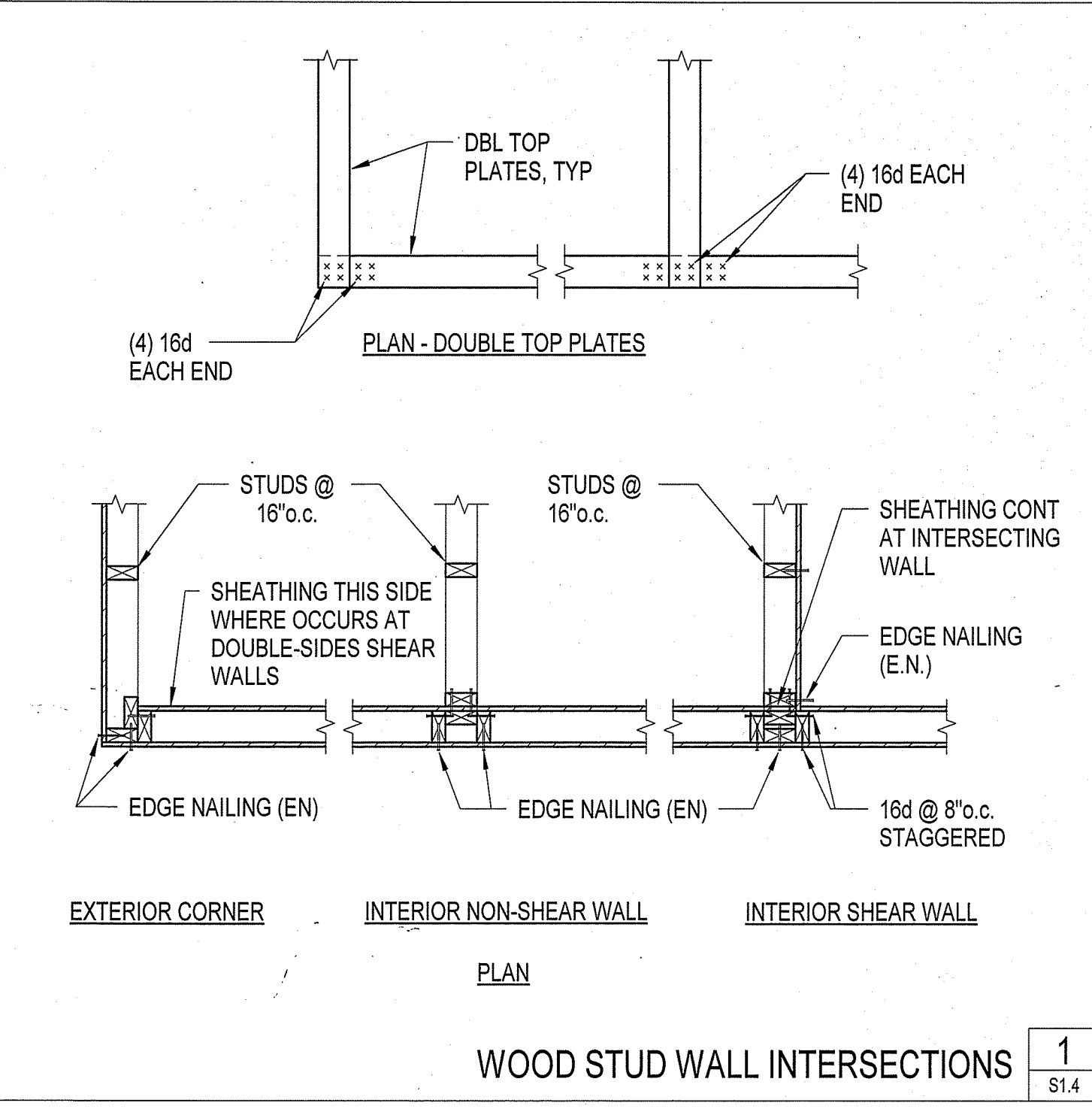
MODEL	ALLOWABLE LOAD COMPRESSION	ALLOWABLE LOAD TENSION
SS	500 lbs	NONE
HSS	1200 lbs	1000 lbs

ALLOWABLE HOLES IN STUDS **7**  
S1.4

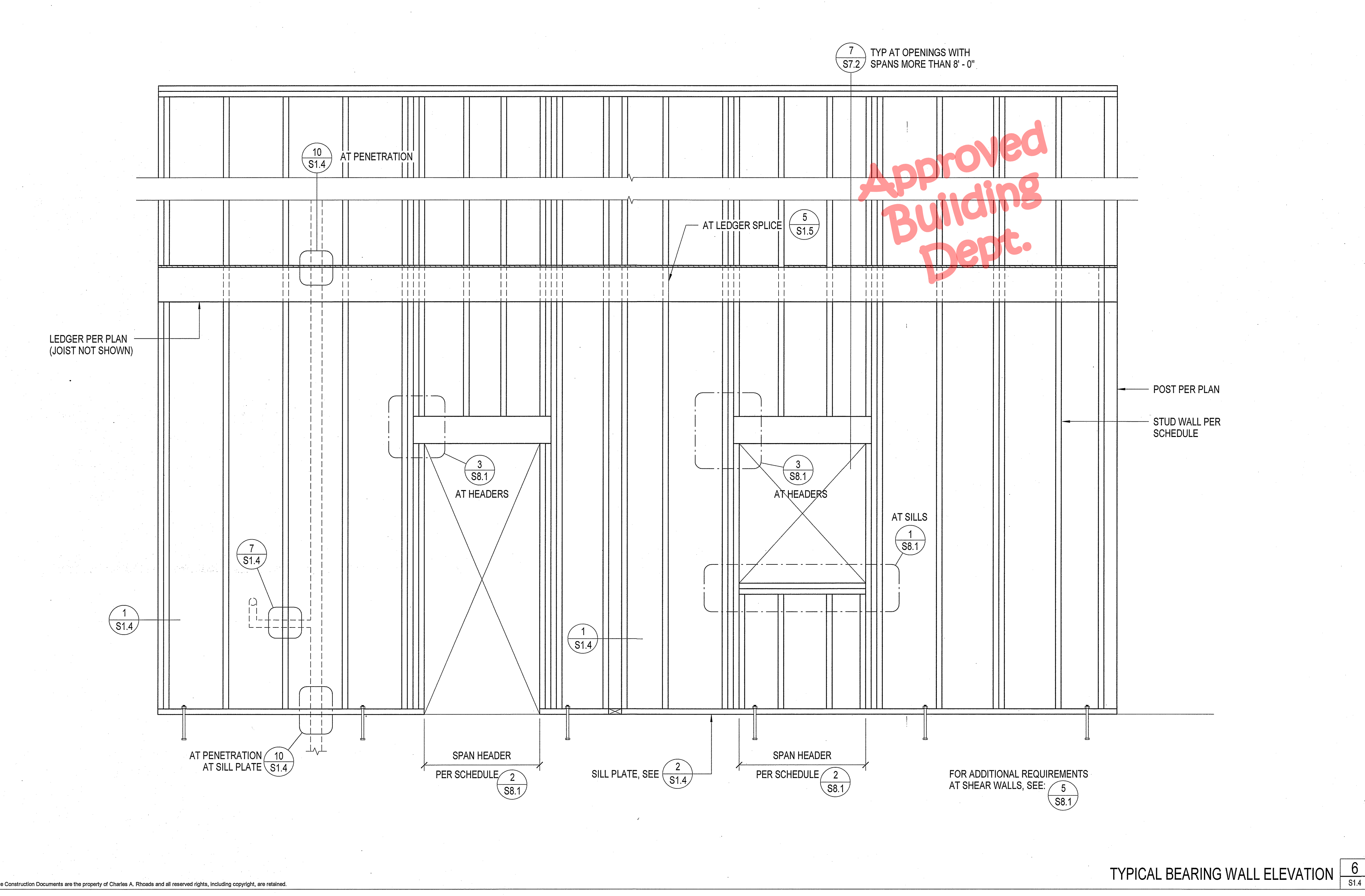


- NOTES:
- d = DEPTH OF JOIST OR BEAM.
  - L = CLEAR SPAN OF JOIST BETWEEN SUPPORTS.
  - DO NOT CUT HOLES OR NOTCHES WHERE d = 4" OR LESS IN JOISTS OR BEAMS.

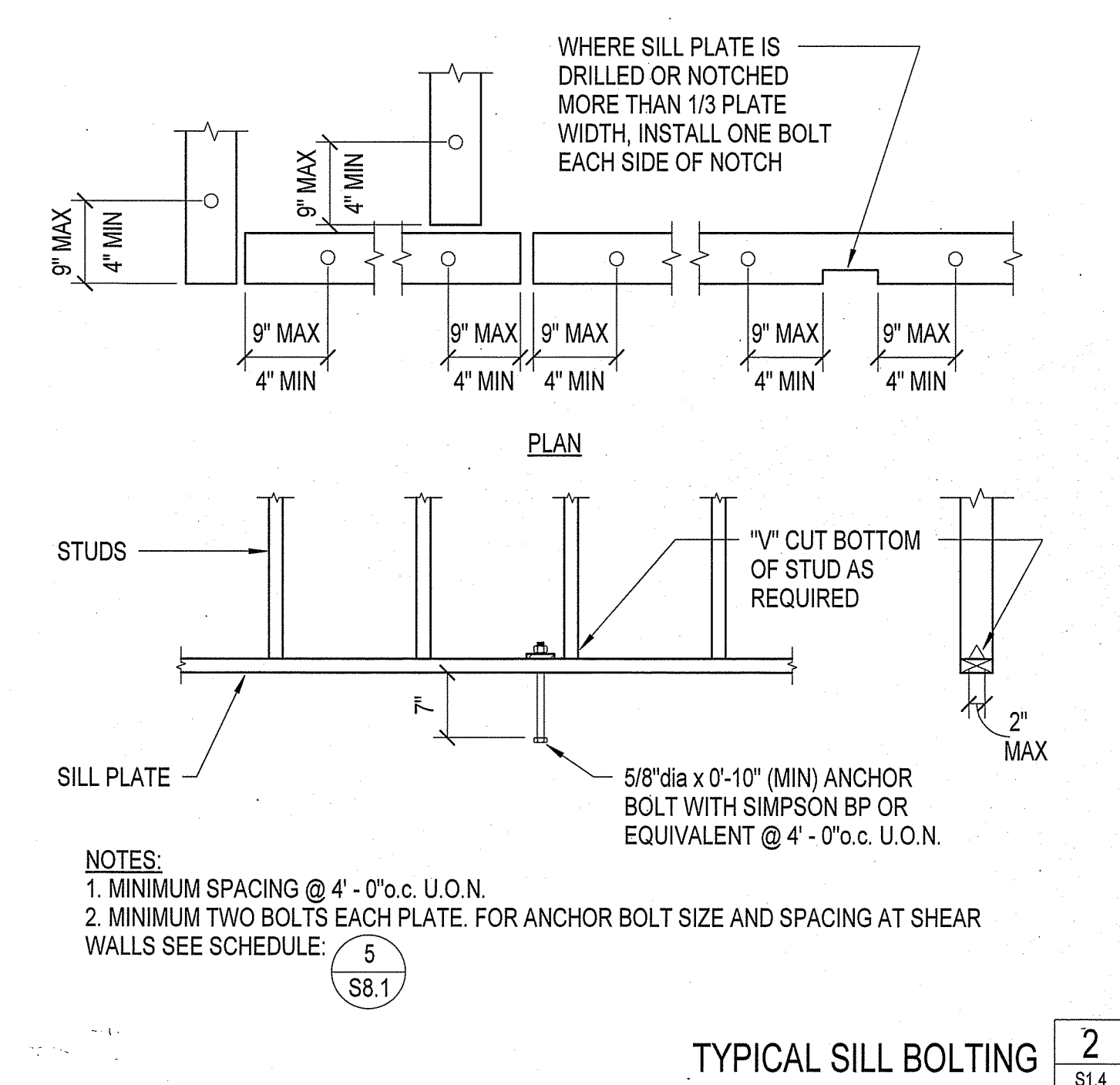
ALLOWABLE HOLES OR NOTCHES IN JOISTS / BEAMS **4**  
S1.4



WOOD STUD WALL INTERSECTIONS **1**  
S1.4



TYPICAL BEARING WALL ELEVATION **6**  
S1.4



- NOTES:
- MINIMUM SPACING @ 4' - 0" o.c. U.O.N.
  - MINIMUM TWO BOLTS EACH PLATE. FOR ANCHOR BOLT SIZE AND SPACING AT SHEAR WALLS SEE SCHEDULE: **5** S8.1

TYPICAL SILL BOLTING **2**  
S1.4

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Consultant:

Drawing Status:

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Revision Summary:


Project:

**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
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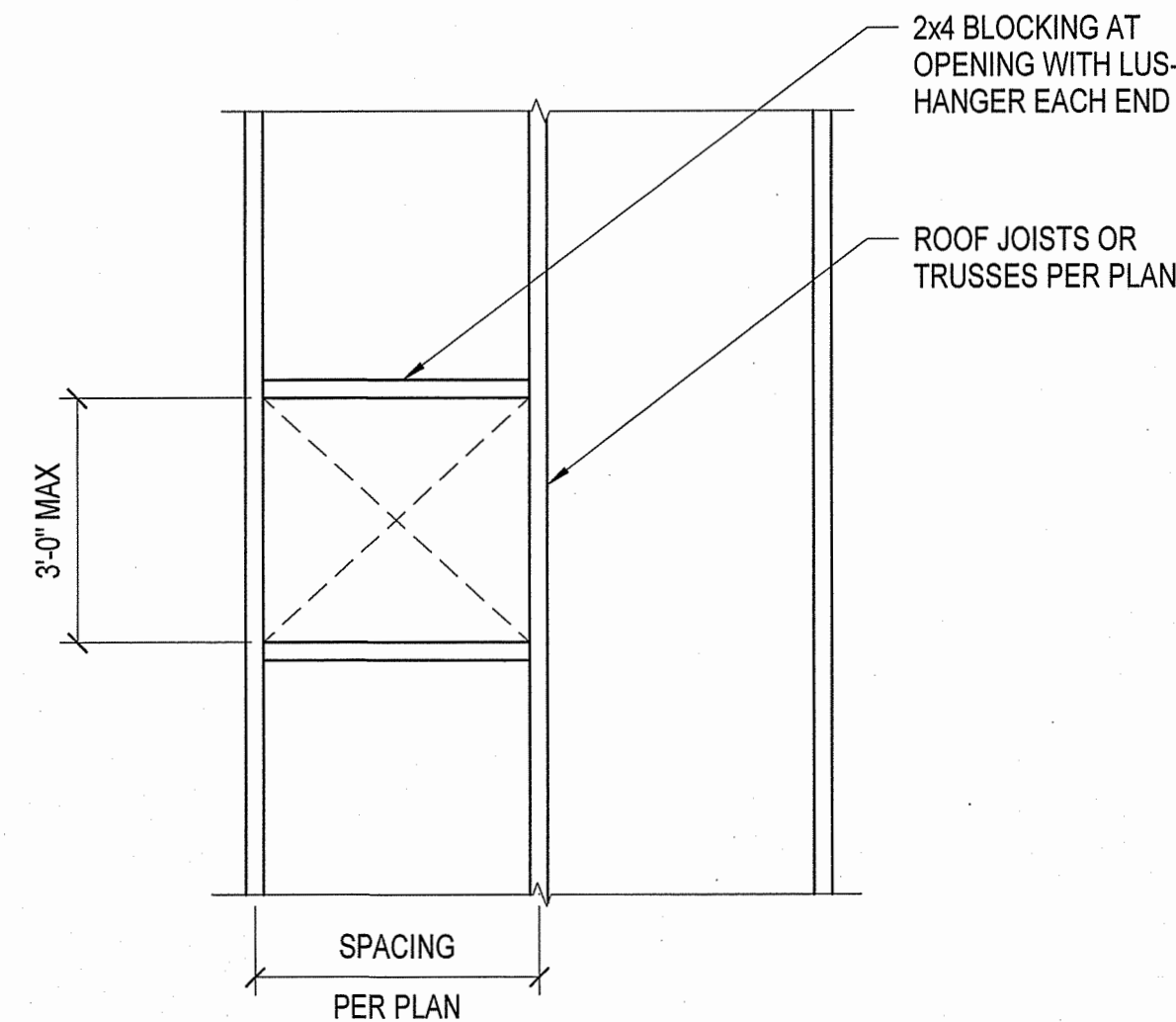
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Date: 11/26/23  
Project: 22-102  
Scale: 3/4" = 1'-0"  
Sheet No.: **S1.4**  
Of # Sheets

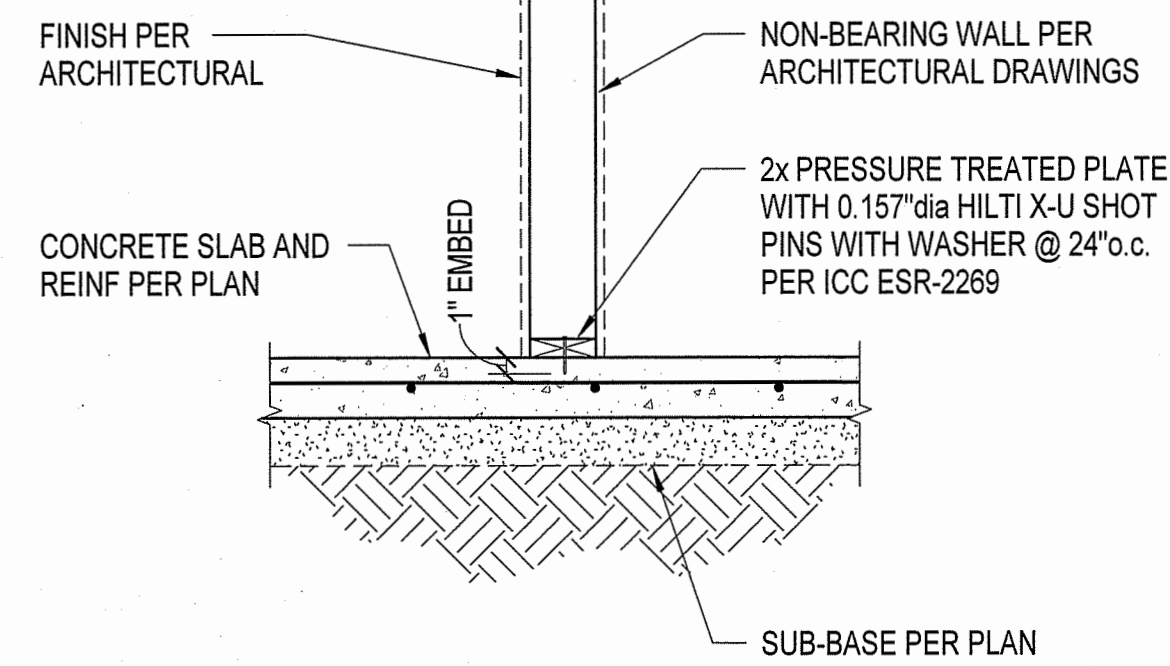


- NOTES:  
 1. VERIFY LOCATION OF OPENINGS WITH ARCHITECTURAL, MECHANICAL, AND OTHER DRAWINGS.  
 2. PROVIDE ROOF SHEATHING BOUNDARY NAILING ON EACH 2x4 BLOCK SHOWN.



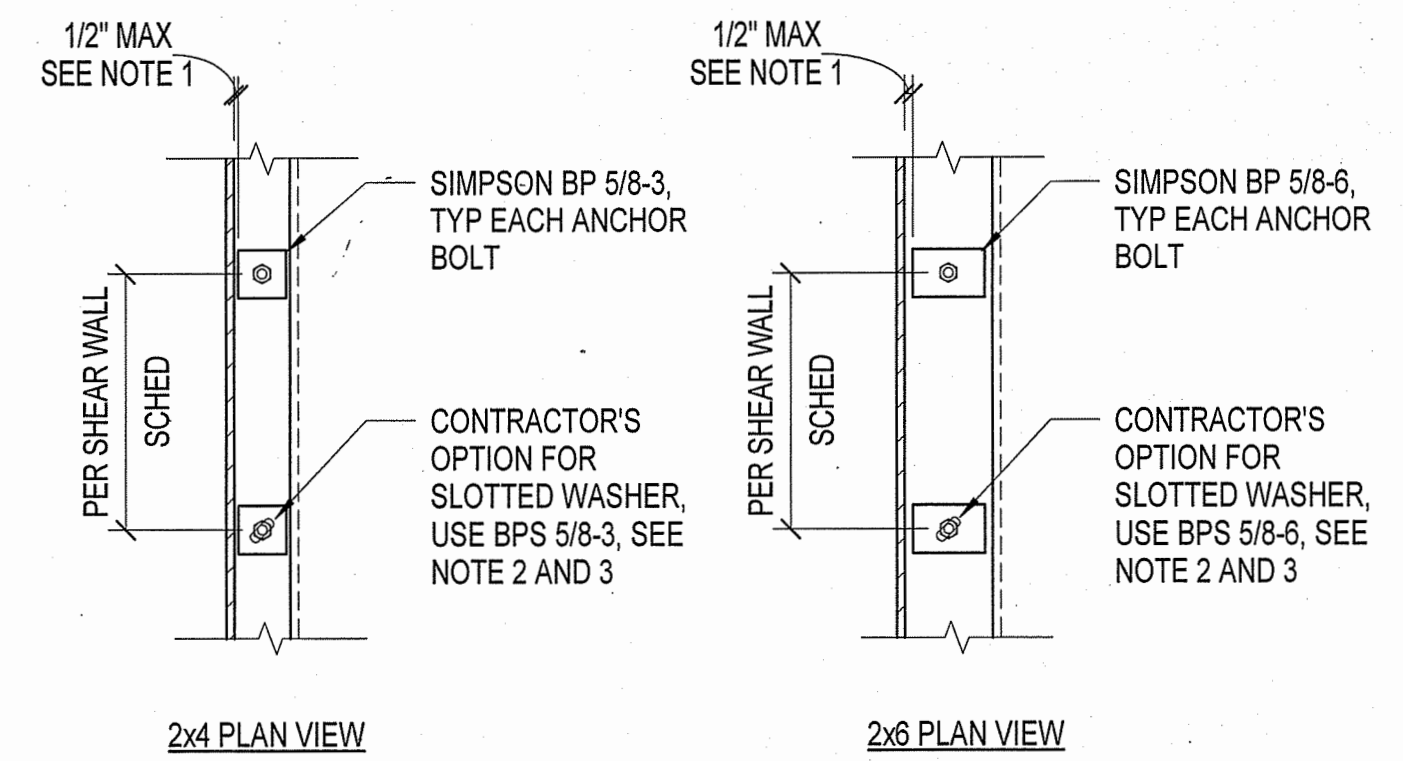
TYPICAL BLOCKING AROUND SMALL ROOF OPENINGS

7  
S1.5



TYPICAL NON-BEARING WALL TO SLAB ON GRADE

4  
S1.5



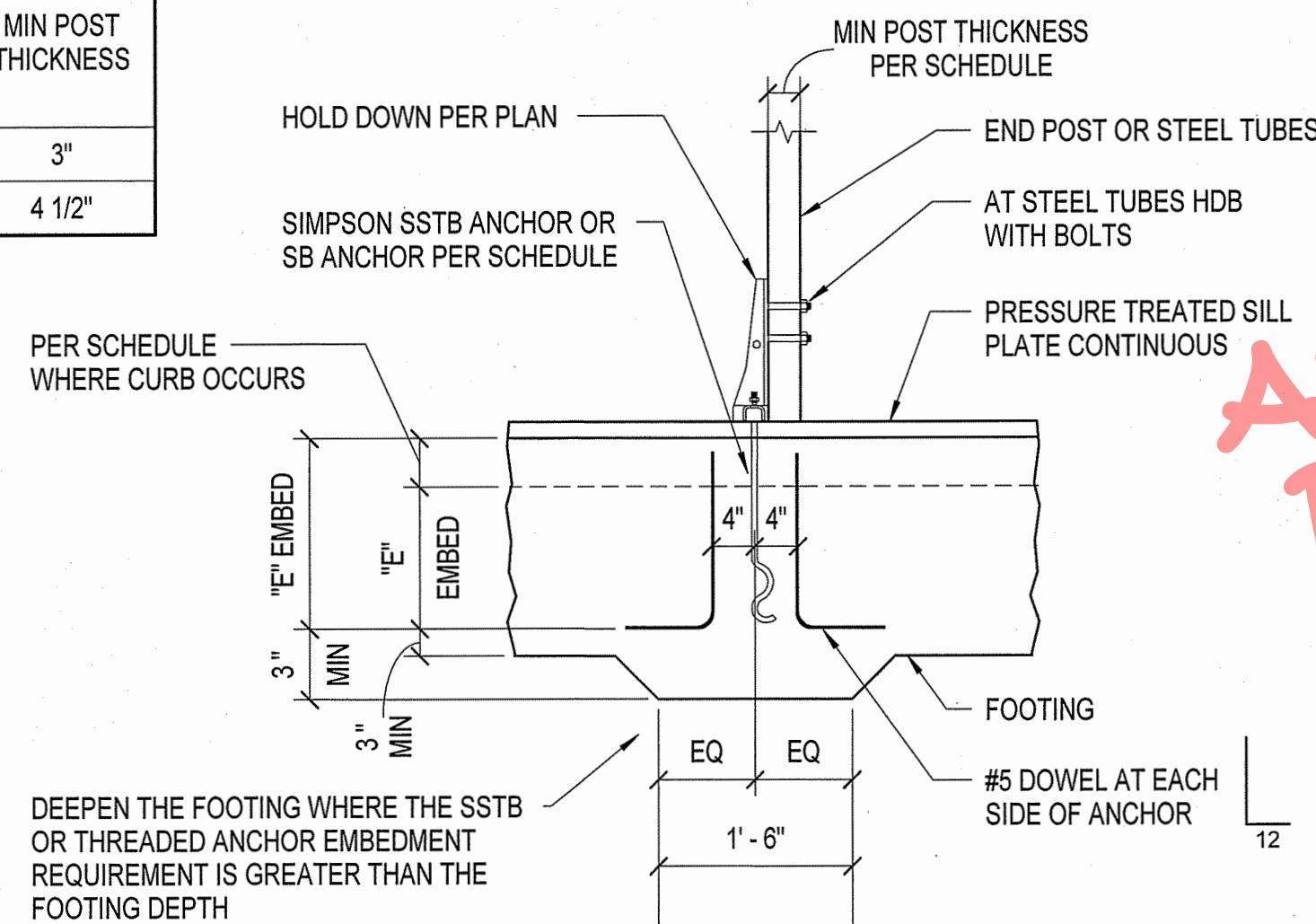
- NOTES:  
 1. STEEL PLATE WASHER SHALL EXTEND TO WITHIN 1/2" EDGE DISTANCE OF THE BOTTOM PLATE ON THE SIDE(S) WITH SHEATHING.  
 2. THE HOLE IN THE PLATE WASHER SHALL BE PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/16" LARGER THAN THE BOLT DIAMETER, AND A SLOT LENGTH NOT TO EXCEED 1 3/4".  
 3. STANDARD CUT WASHER IS REQUIRED WHERE SLOTTED STEEL PLATE WASHER IS USED.

SHEAR WALL ANCHOR BOLTS

1  
S1.5

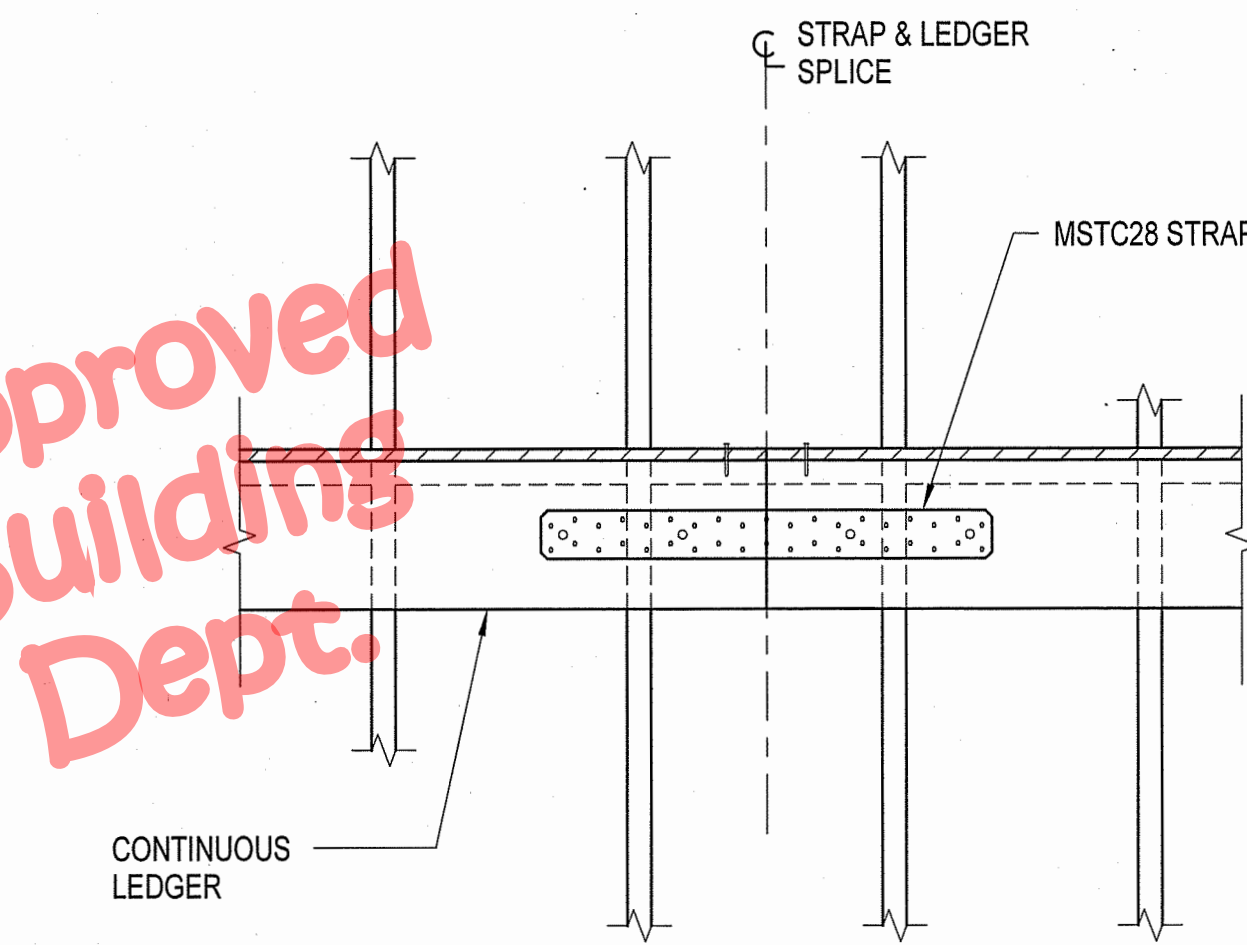
MARK	HOLD DOWN	CONCRETE FOUNDATION OR WALL						
		ANCHOR NO CURB		ANCHOR W/ CURB		NO. OF SIMPSON SDS 1/4" x 2 1/2" WOOD SCREWS	BOLTS	MIN POST THICKNESS
		SIZE	"E" MIN	SIZE	"E" MIN			
2	HDU4/HDU5B	SSTB20	16 5/8"	SB5/8x24	18"	10	(2) 3/4"	3"
4	HDU8/HDU9B	SSTB28	24 7/8"	SSTB28	24 7/8"	20	(3) 7/8"	4 1/2"

NOTE:  
 INSTALL SSTB AND SB ANCHORS AS RECOMMENDED BY THE MANUFACTURER, SEE ICC ESR-2611.



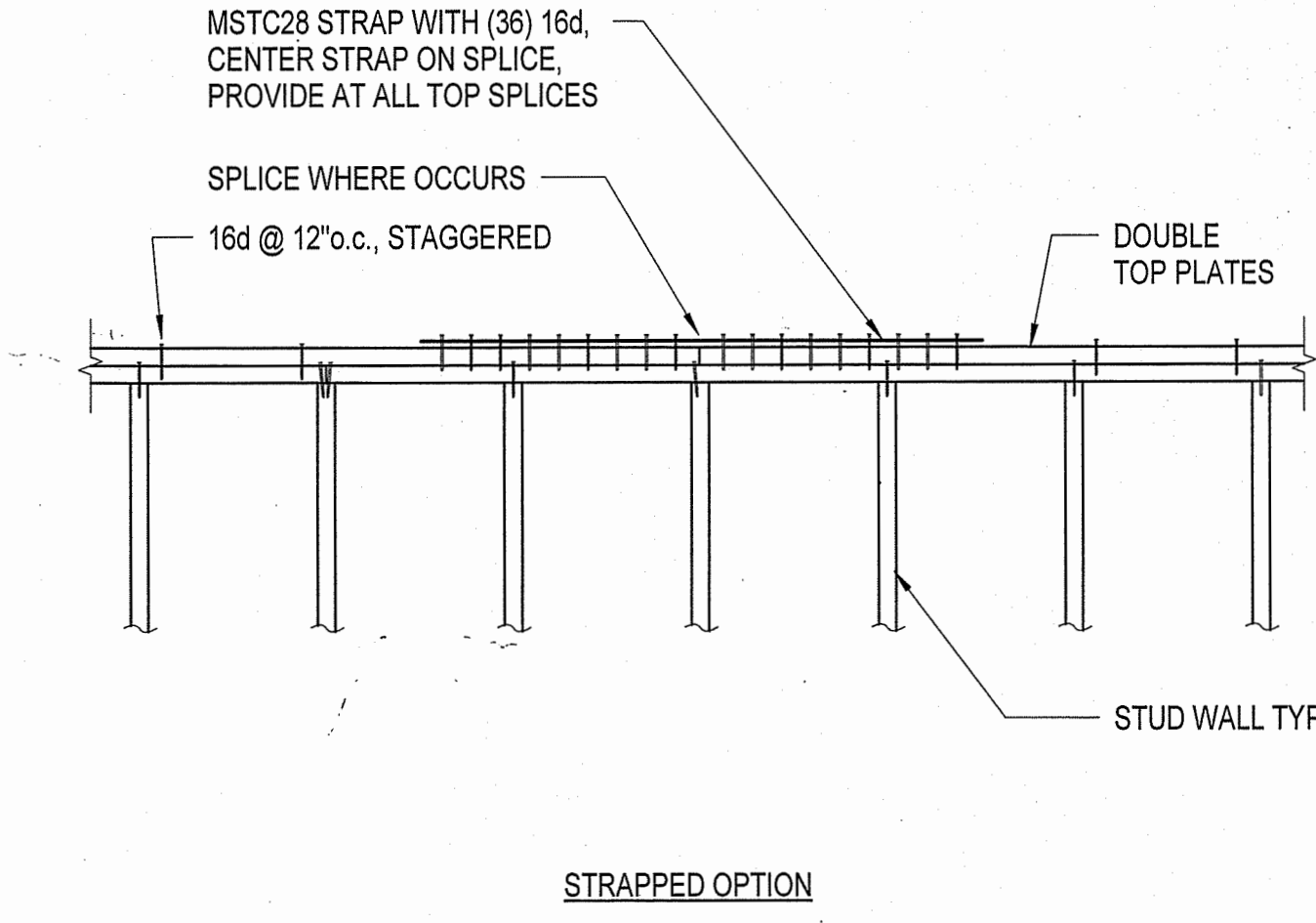
TYPICAL HOLDDOWN CONNECTION

8  
S1.5

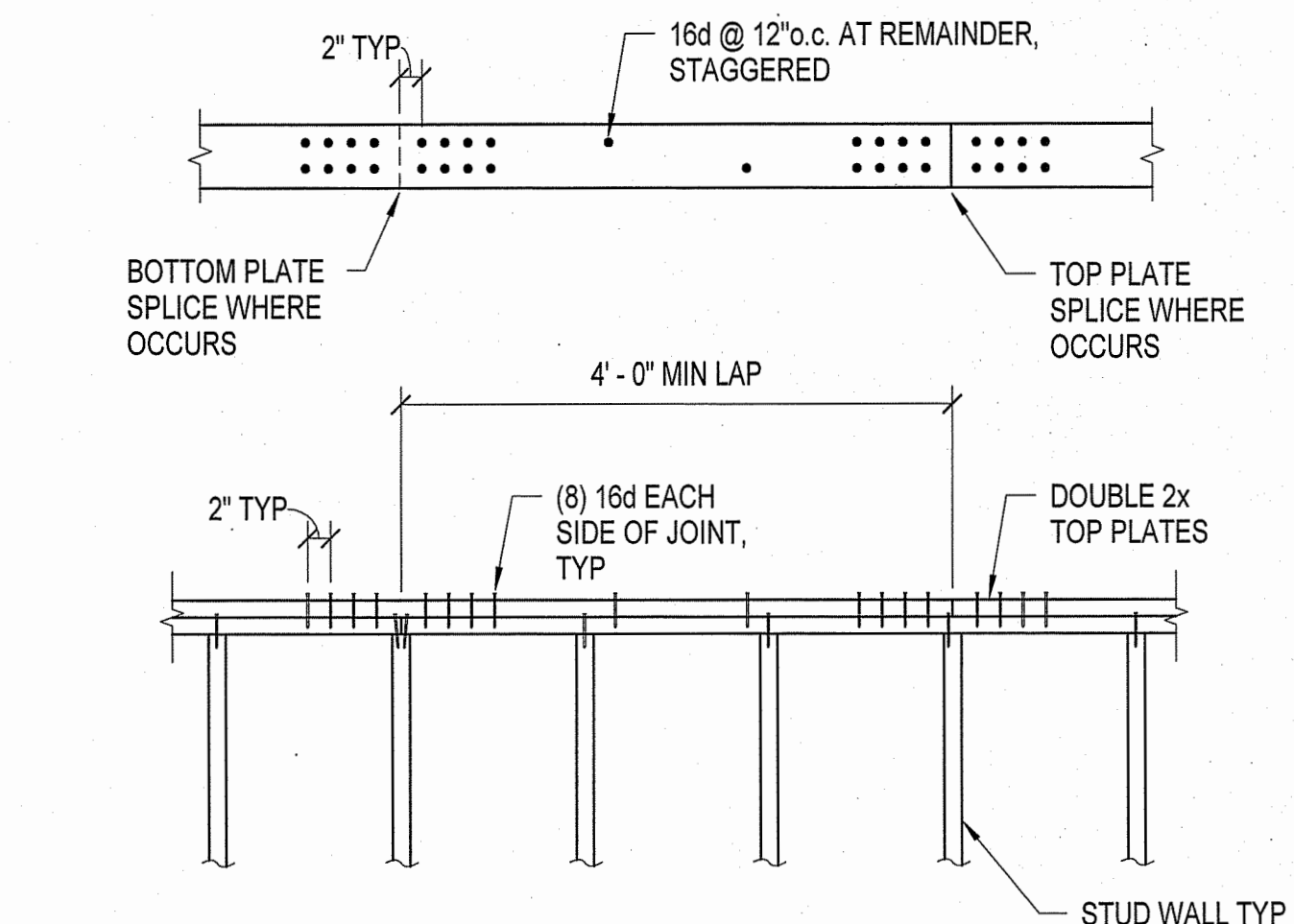


TYPICAL LEDGER SPLICE

5  
S1.5



STRAPPED OPTION

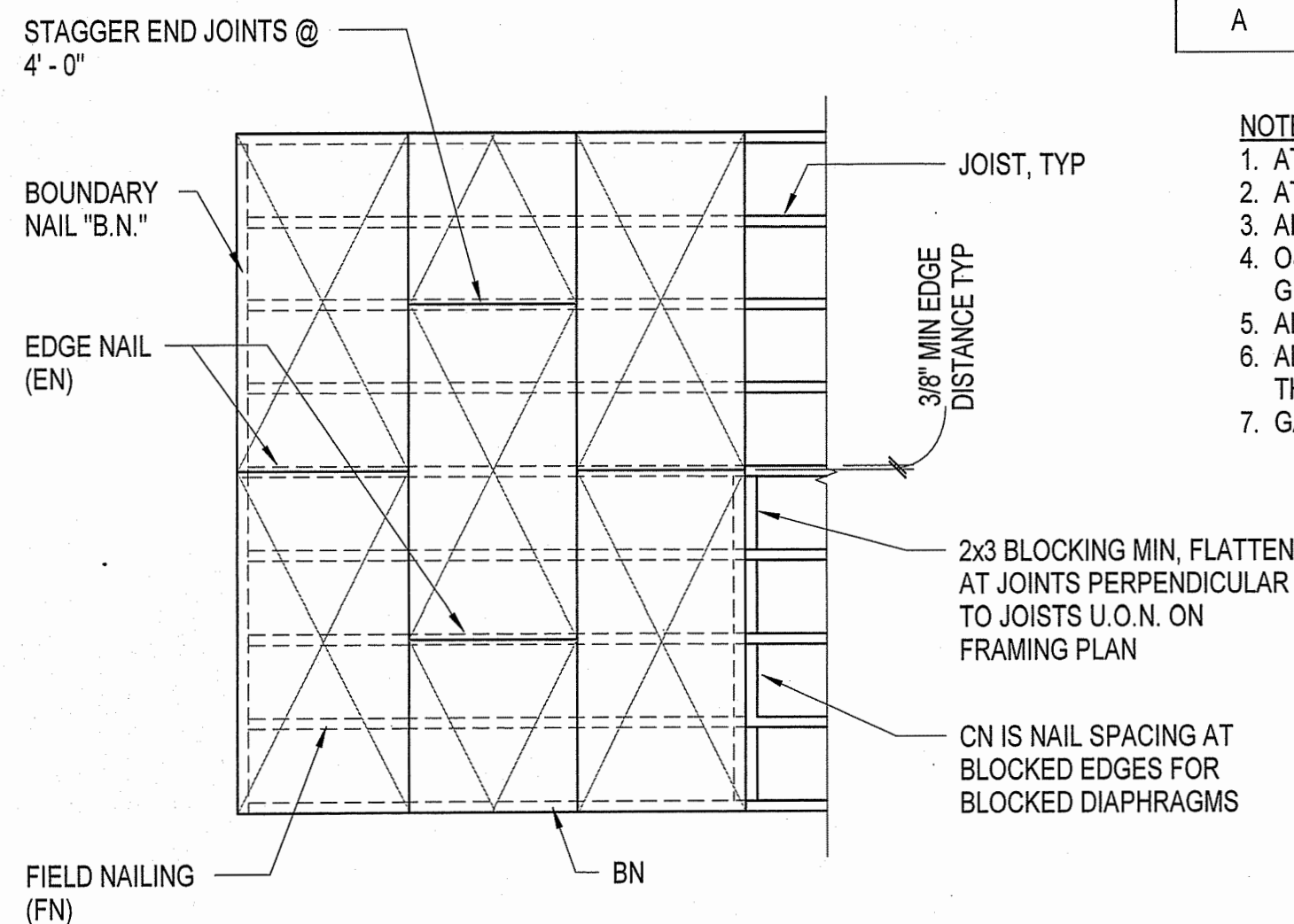


- NOTES:  
 1. PLATE SPLICES ARE TO OCCUR OVER STUDS.  
 2. SPLICE ONLY (1) PLATE AT A TIME.

NAILED LAP OPTION

TYPICAL TOP PLATE SPLICE

3  
S1.5

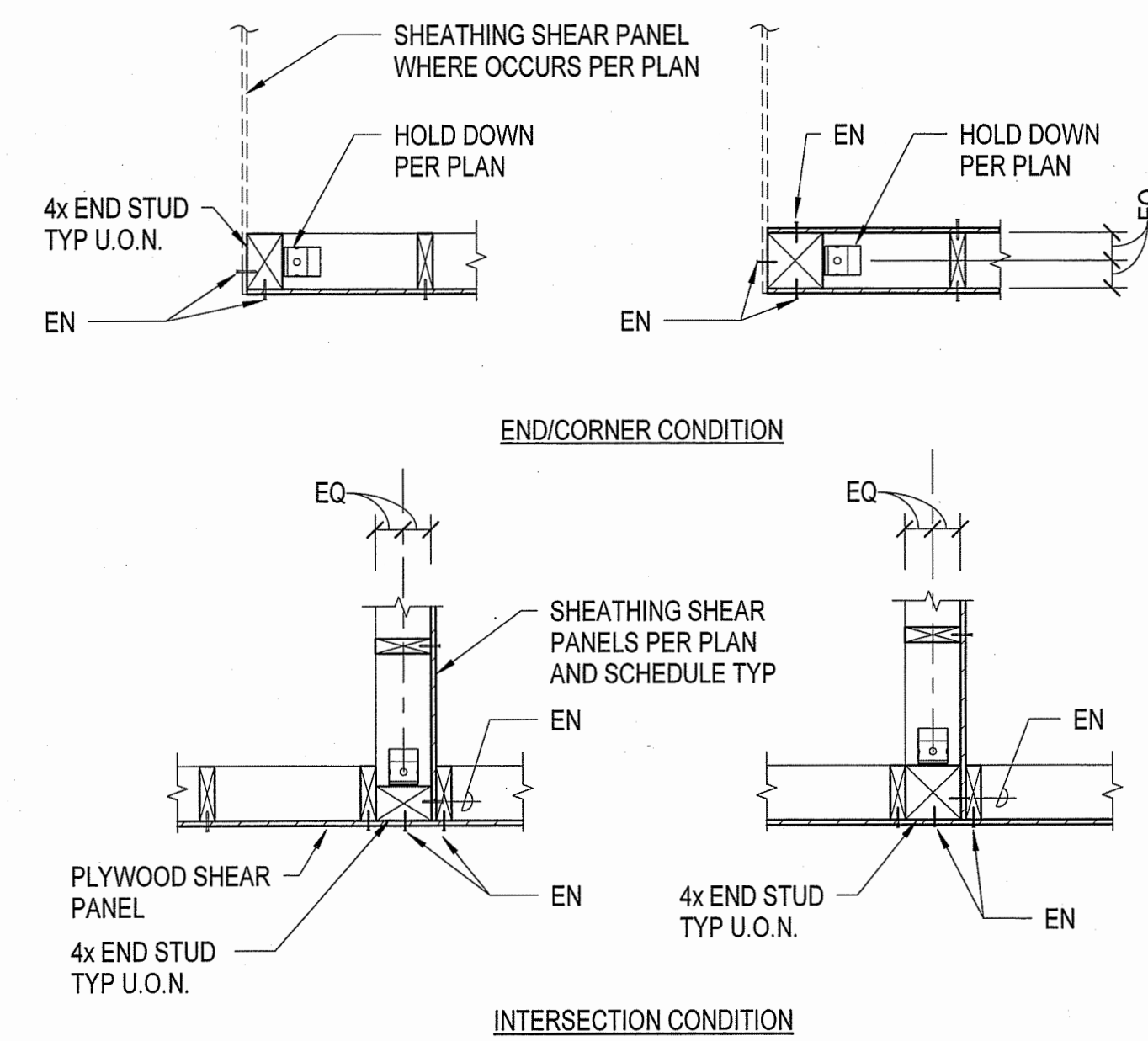


MARK	SIZE	GRADE EXPOSURE I	NAIL SIZE	BN BOUNDARY	CN CONTINUOUS	EN EDGE	FN FIELD	BLOCKED
A	1/2"	CD-X (32/16)	10d	6"	N.A.	6"	12"	NO

- NOTES:  
 1. AT UNBLOCKED ROOF DIAPHRAGMS, PROVIDE PSCA/PSCL AT PANEL EDGES.  
 2. AT UNBLOCKED FLOOR DIAPHRAGMS, PROVIDE T&G SHEATHING.  
 3. ALL EXTERIOR DECKS SHALL BE SHEATHED WITH EXTERIOR GRADE PLYWOOD.  
 4. OSB FLOOR SHEATHING MAY BE USED WHERE NOT EXPOSED TO MOISTURE. MATCH GRADE AND SPAN RATING TO SCHEDULE ABOVE.  
 5. ALL FLOOR SHEATHING NAILS SHALL BE DEFORMED SHANK.  
 6. ALL FLOOR SHEATHING SHALL BE GLUED, APPLY ONLY ENOUGH GLUE FOR ONE SHEET, THEN FULLY NAIL TO THE NEXT SHEET.  
 7. GAP SHEETS PER MANUFACTURERS RECOMMENDATIONS

PLYWOOD ROOF SHEATHING PLAN

9  
S1.5



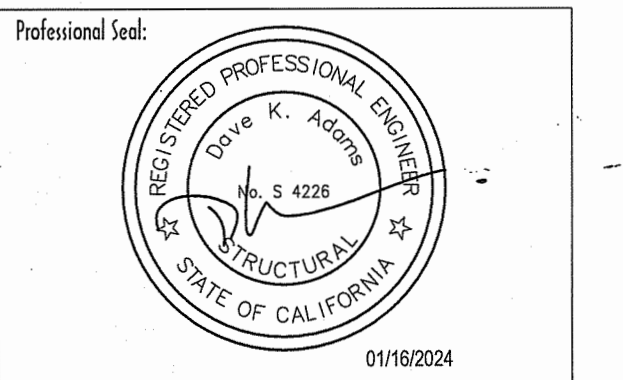
TYPICAL HOLDDOWN LOCATION - TIMBER

6  
S1.5

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**BWE**  
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 www.bwe.s.d.c.o.m 619.299.5550  
 9449 Balboa Avenue, Suite 270 | San Diego, CA | 92123

Drawing Status:

Contract Document

Revision Summary:

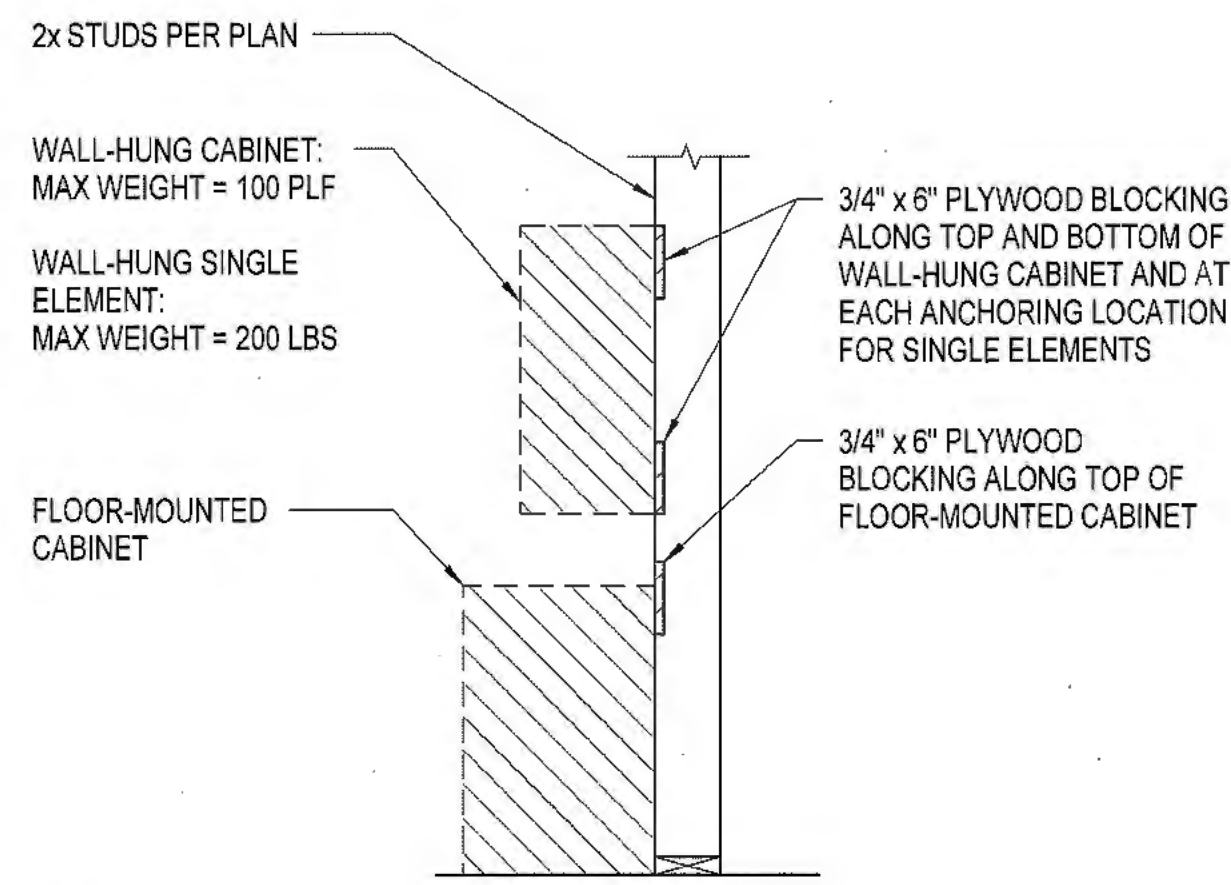

Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
**Typical Details**

Date:	11/26/23
Project:	22-102
Scale:	As indicated
Sheet No.:	

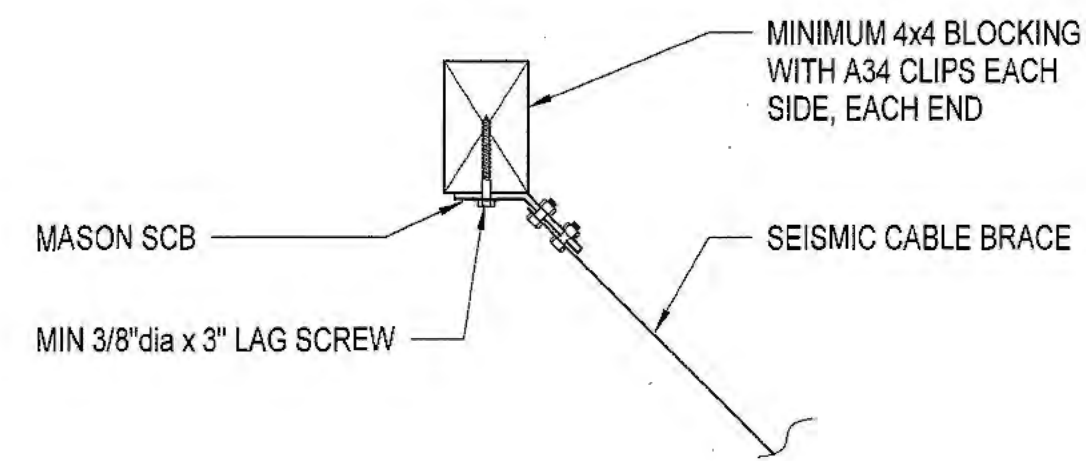
S1.5

Of # Sheets



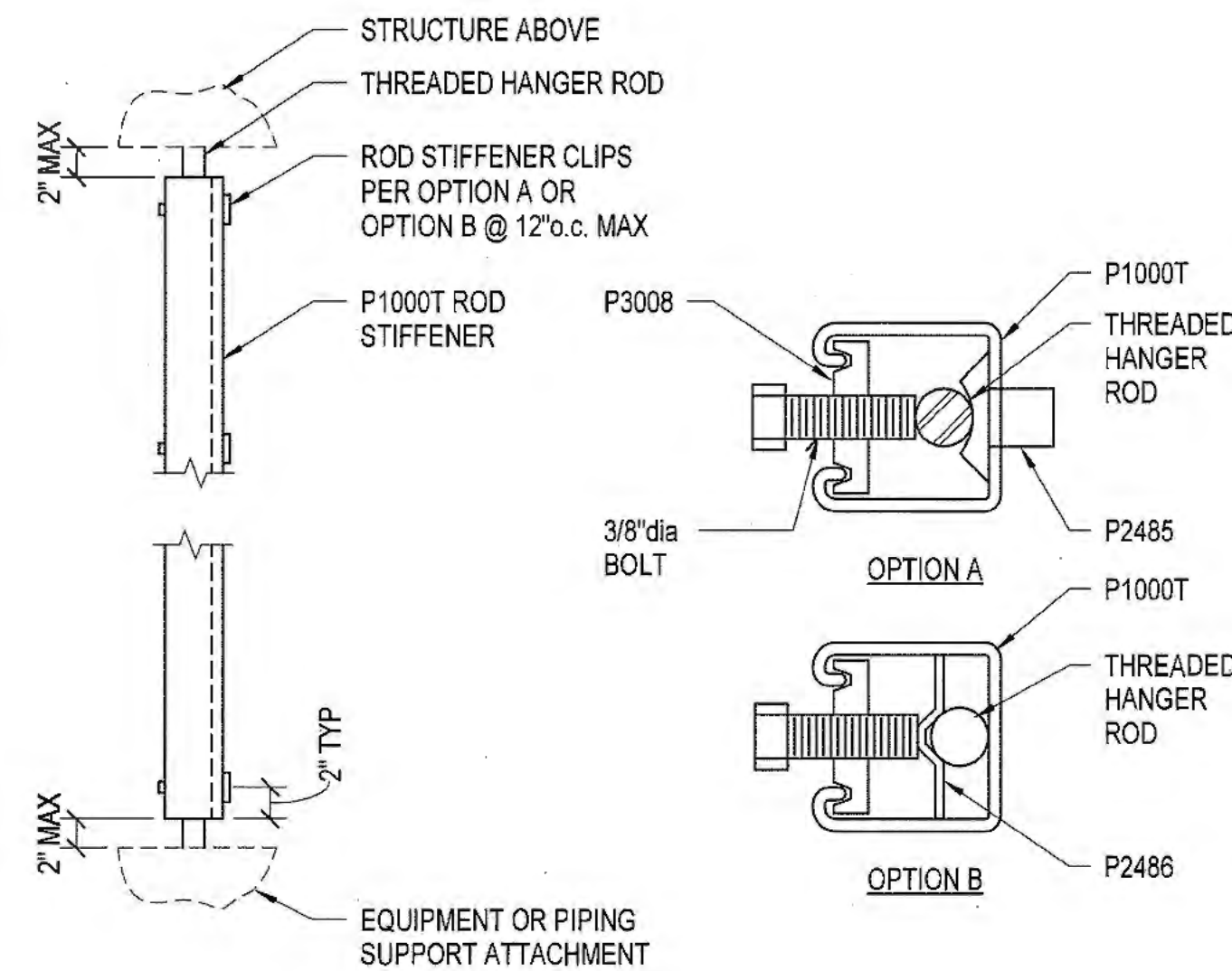
**NOTES:**  
 1. FASTEN PLYWOOD BLOCKING TO STUD (EACH END) WITH (2) #10 x 3" WS DRIVEN AT AN ANGLE. DRILL PILOT HOLES AS REQUIRED. COMPONENTS SHALL BE ANCHORED PER MANUFACTURER'S REQUIREMENTS, UON.  
 2. FOR ANCHORAGE AT CMU WALLS, SEE DETAIL 1 OR FOLLOW MANUFACTURER'S SPECIFICATIONS.

TYPICAL WOOD BACKING FOR CABINETS 10  
S1.6



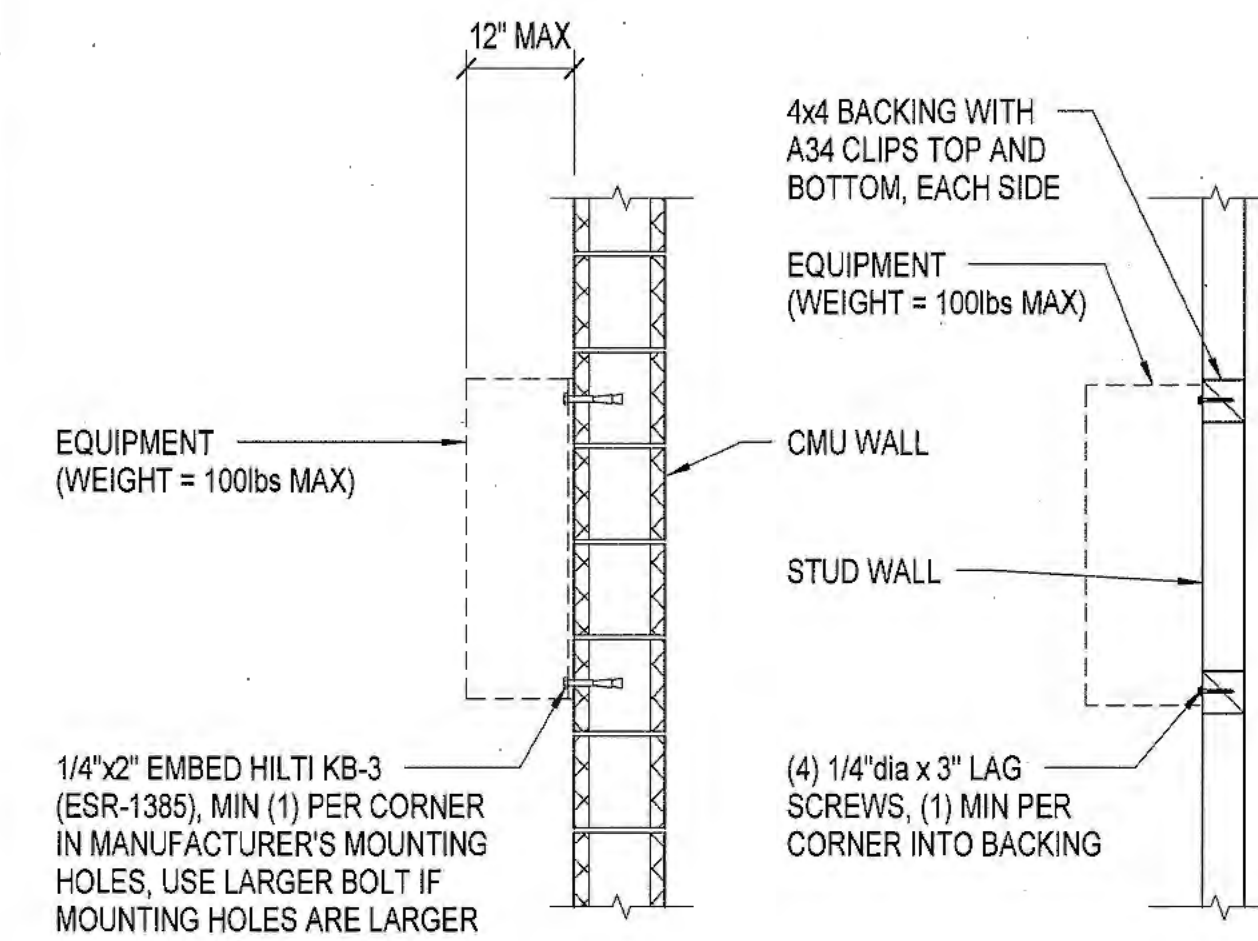
**NOTE:**  
 FOR MAX EQUIPMENT WEIGHT REFER TO: 1  
EQ01

EQUIPMENT SEISMIC BRACE 7  
S1.6



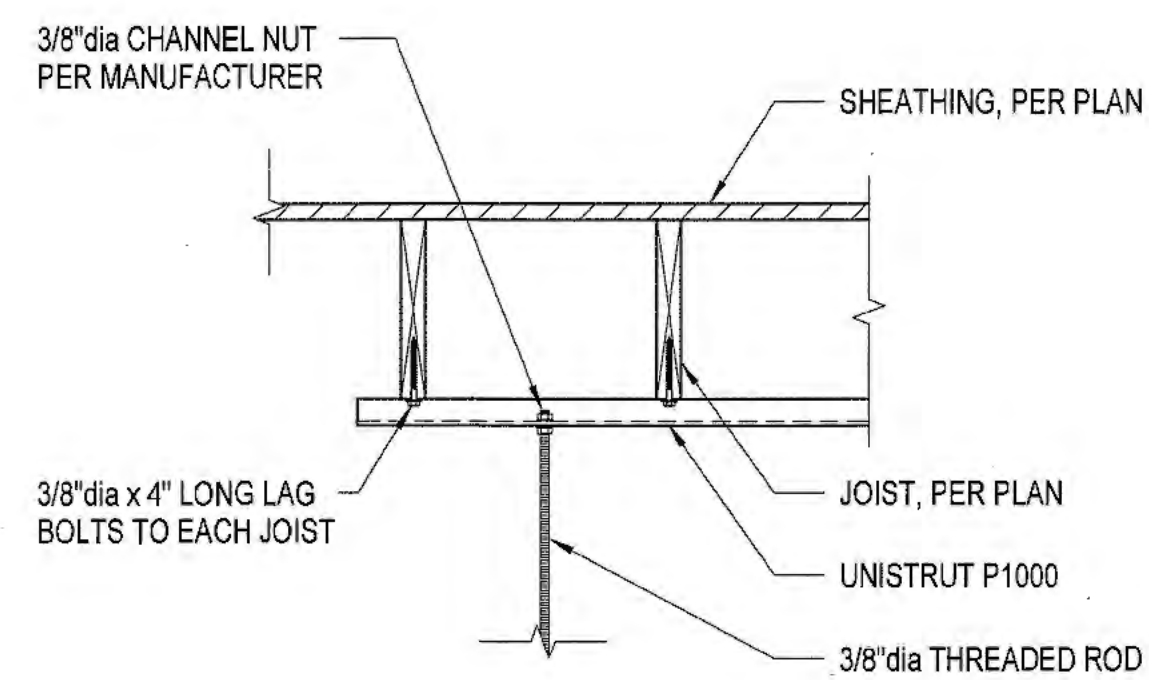
**NOTES:**  
 1. FITTINGS AND SECTION PART NUMBERS ARE UNISTRUT, TYPICAL.  
 2. MINIMUM (3) ROD STIFFENER CLIPS PER HANGER ROD.

ROD STIFFENER ASSEMBLY 4  
S1.6

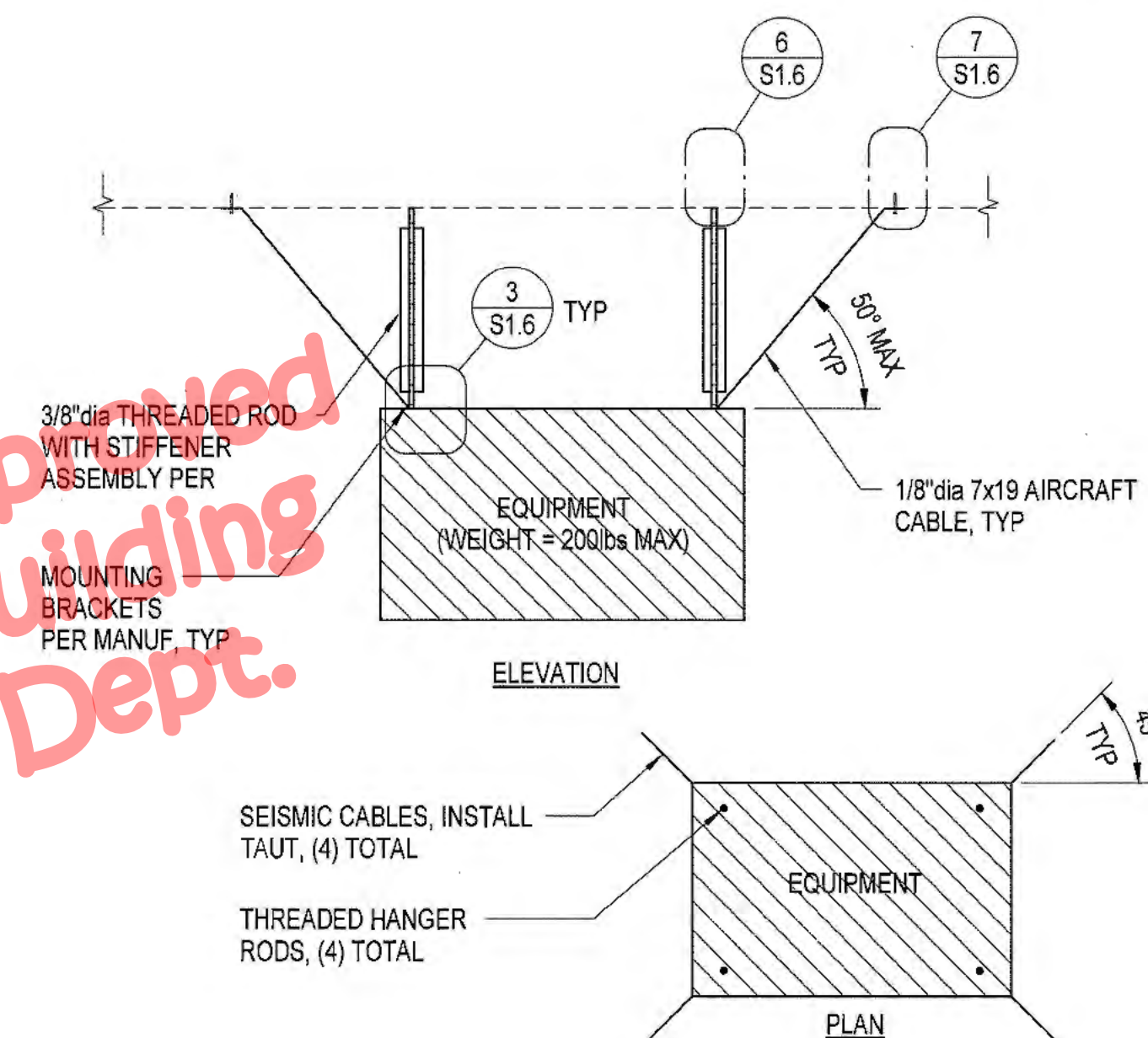


1/4"x2" EMBED HILTI KB-3 (ESR-1385), MIN (1) PER CORNER IN MANUFACTURER'S MOUNTING HOLES. USE LARGER BOLT IF MOUNTING HOLES ARE LARGER

EQUIPMENT ANCHORAGE - WALL MOUNTED 1  
S1.6

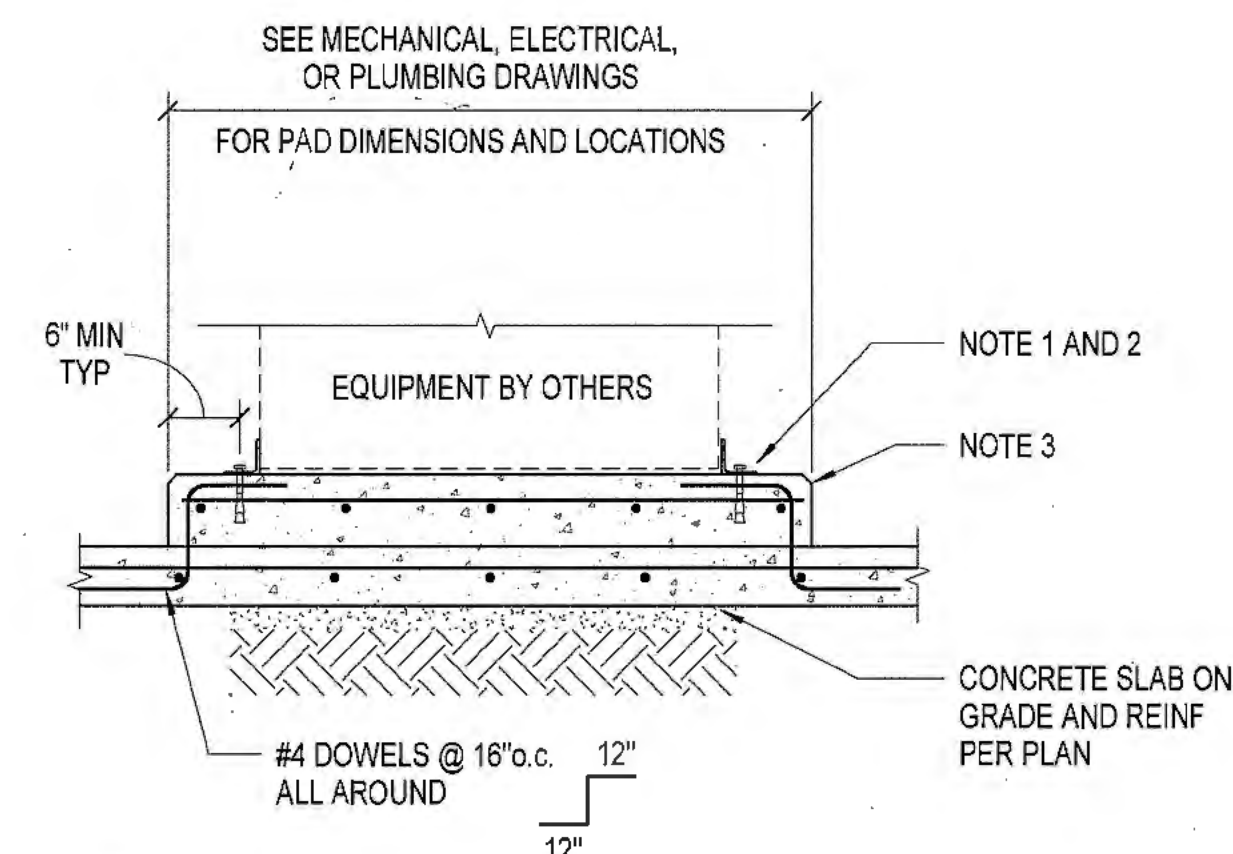


EQUIPMENT HANGER 8  
S1.6



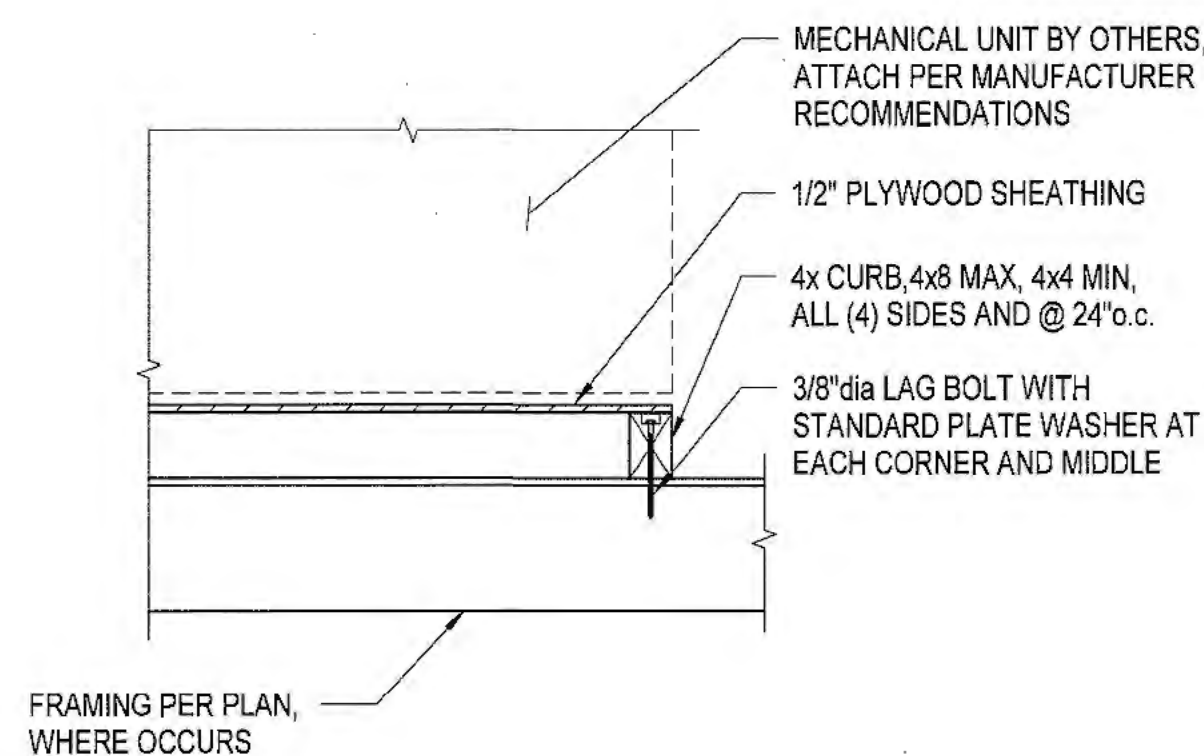
Approved Building Dept.

TYPICAL SUSPENDED EQUIPMENT ANCHORAGE 5  
S1.6

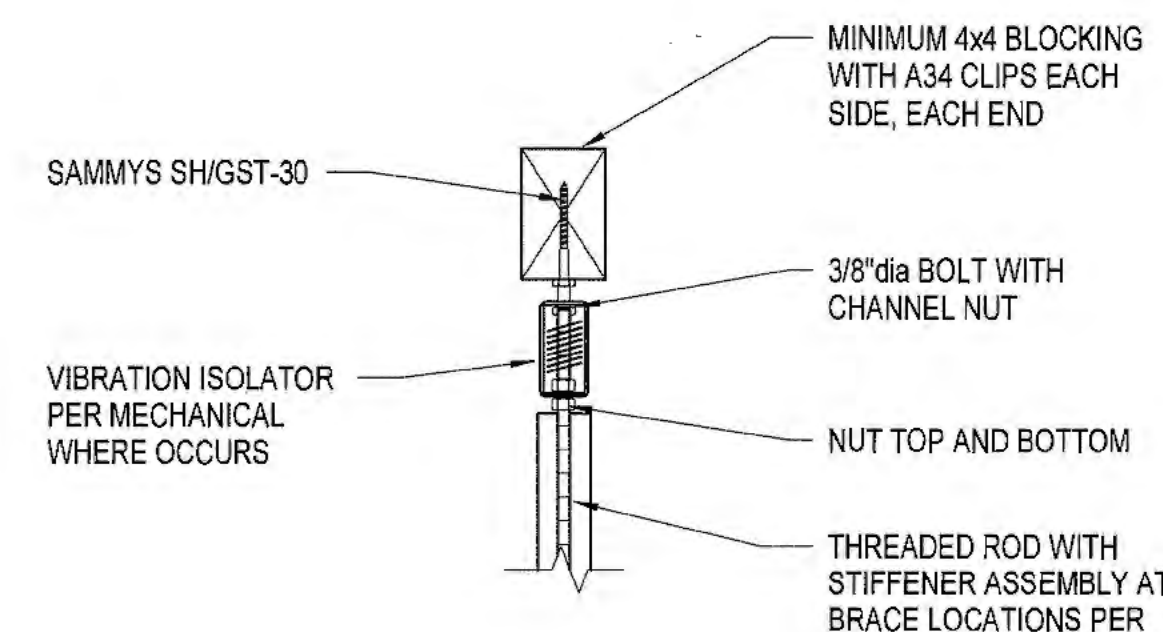


**NOTE:**  
 1. MIN (4) ANCHORS (1) EACH CORNER OR AS REQUIRED BY MANUFACTURER (USE ALL PROVIDED MOUNTING HOLES). 1/2" DIA HILTI KB-T22 WITH 3 1/4" EFFECTIVE EMBED (ICC ESR-4266).  
 2. USE STAINLESS STEEL ANCHORS AT EXTERIOR CONDITIONS.  
 3. 6" CONCRETE PAD (f<sub>c</sub> = 3000psi MIN) WITH #4 BARS @ 16" O.C. EACH WAY CENTERED - COORDINATE DIMENSIONS WITH EQUIPMENT REQUIREMENTS  
 4. ANCHORAGE OF GENERATOR IS DESIGNED AND DETAILED BY THE MANUFACTURER.

EQUIPMENT ANCHORAGE AT SLAB-ON-GRADE 2  
S1.6

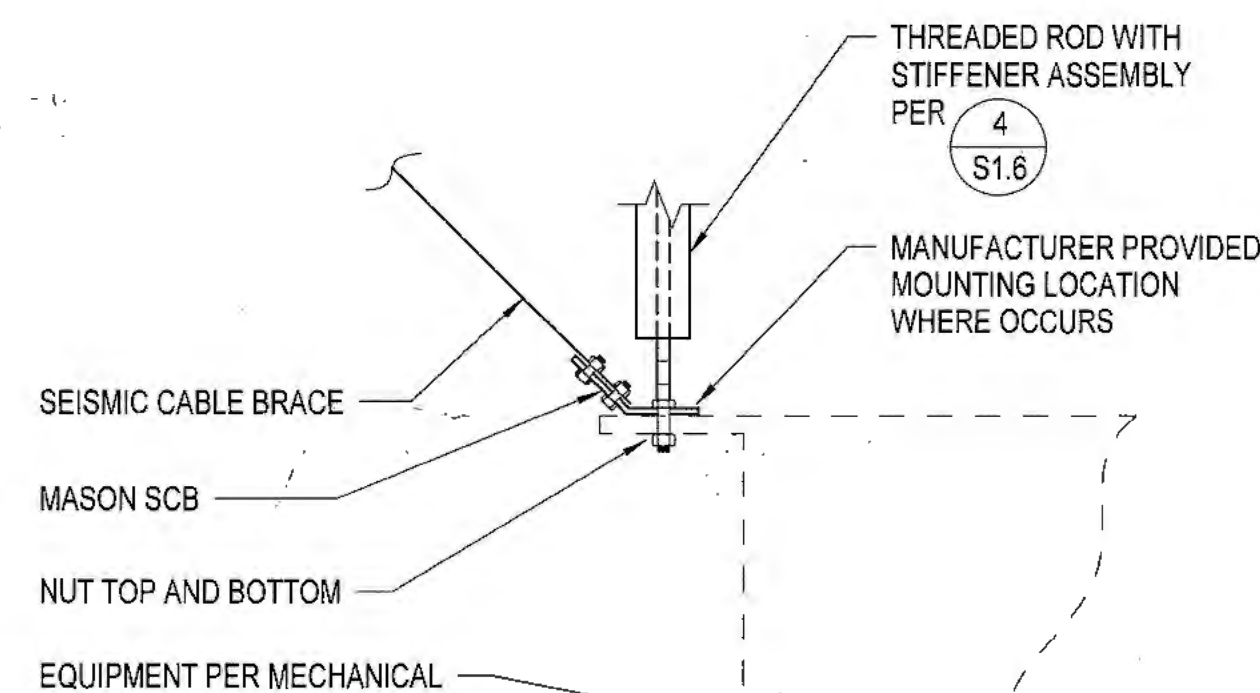


MECHANICAL UNIT SLEEPER ANCHORAGE 9  
S1.6

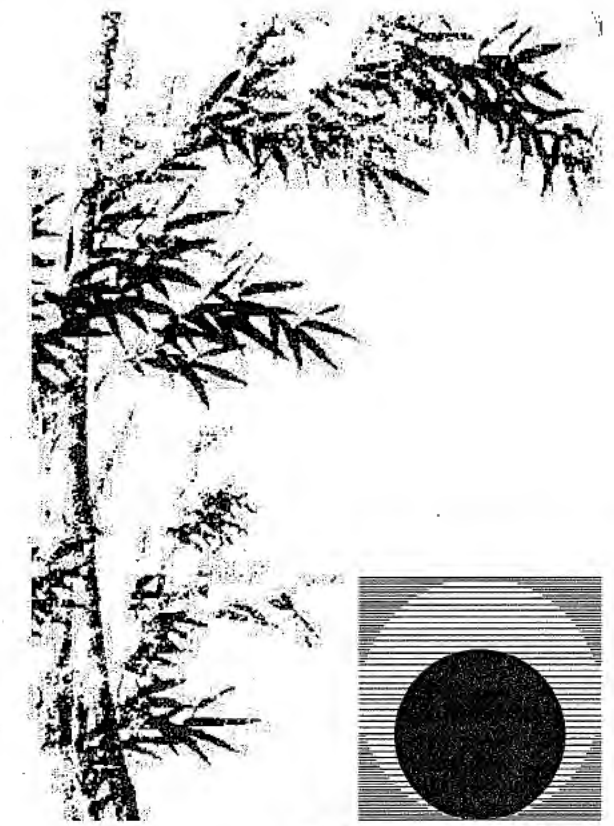


**NOTE:**  
 FOR MAX EQUIPMENT WEIGHT REFER TO: 5  
S1.6

SUSPENDED EQUIPMENT HANGER 6  
S1.6



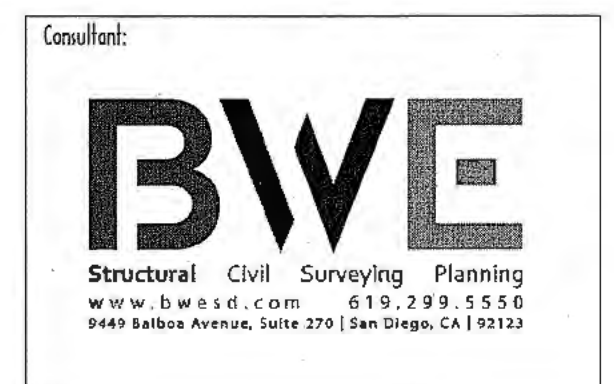
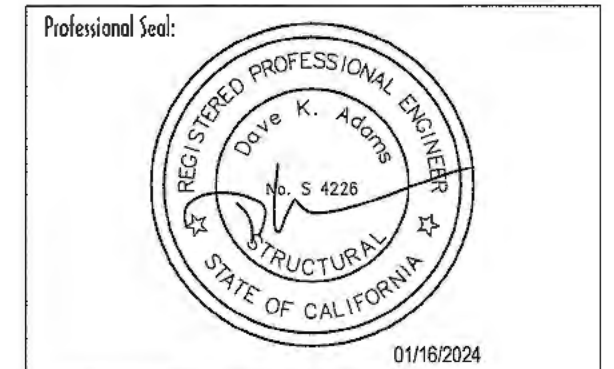
EQUIPMENT HANGER AND BRACE ATTACHMENT 3  
S1.6



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Drawing Status:

Contract Document

Revision Summary:


Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

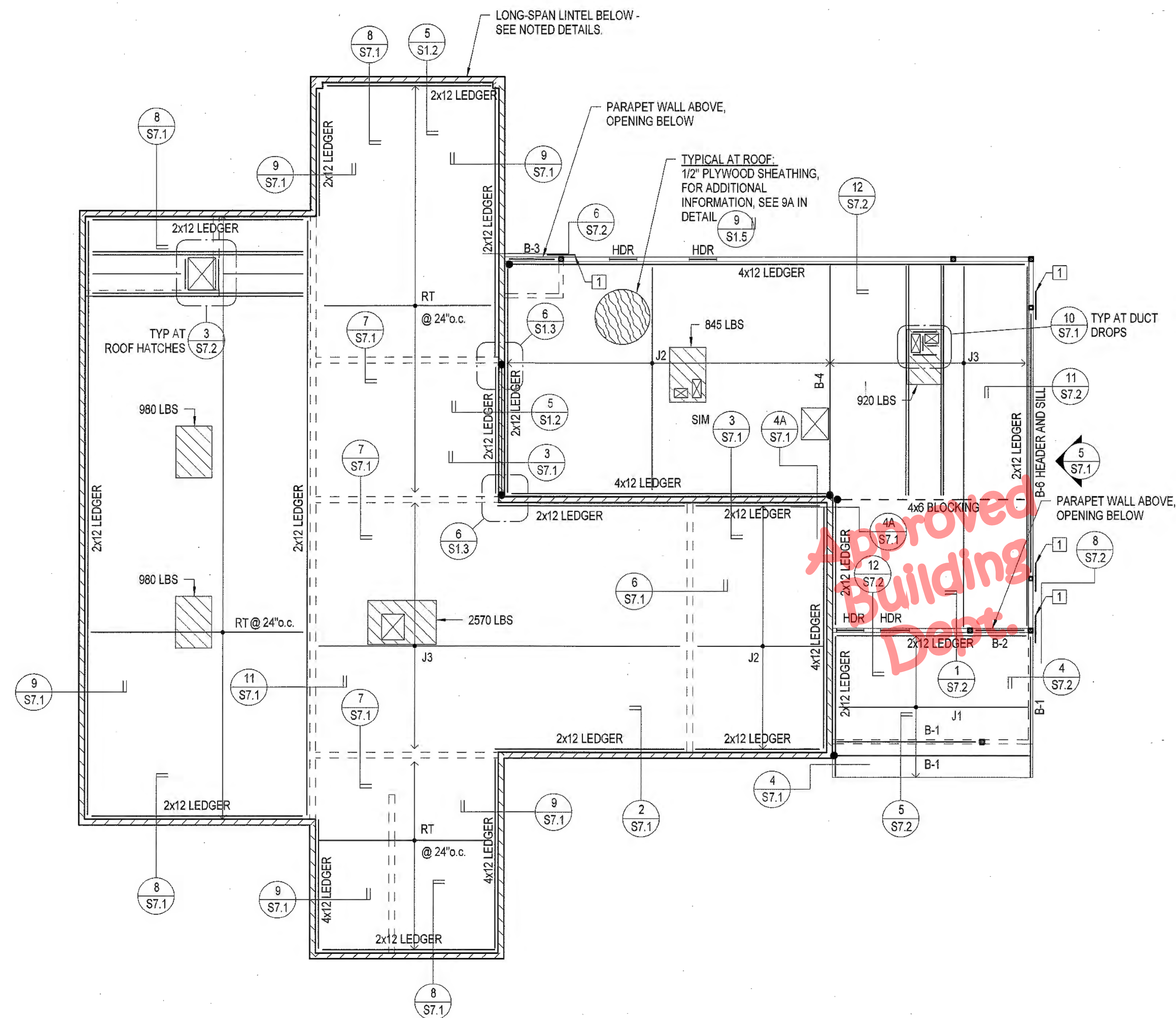
Sheet Description:  
**Typical Details**

Date: 11/26/23  
 Project: 22-102  
 Scale: As indicated  
 Sheet No.:

S1.6

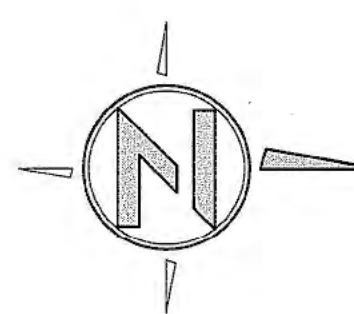
Of # Sheets





ROOF FRAMING PLAN | 1

SCALE: 1/8" = 1'-0" | S2.2



NOTE:  
FOR PLAN DIMENSIONS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS.

ROOF FRAMING PLAN NOTES

- FOR ADDITIONAL NOTES AND INFORMATION, SEE S0.1 AND S2.1.
- SEE SHEETS S1.1, S1.2, S1.3, S1.4, S1.5, AND S1.6 FOR TYPICAL DETAILS.
- VERIFY ALL DIMENSIONS PRIOR TO START OF WORK. SEE ARCHITECTURAL DRAWINGS AS REQUIRED. VERIFY ALL DIMENSIONS PRIOR TO START OF WORK. SEE ARCHITECTURAL DRAWINGS AS REQUIRED.
- BEAMS SHALL BE EQUALLY SPACED UNLESS OTHERWISE NOTED.
- SLOPES, TOP OF FRAMING ELEVATIONS, ROOF DRAINS, SLAB OPENINGS, SLAB EDGES, AND ELEVATED PADS SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AS REQUIRED.
- FOR BEAM SIZES, CAMBER, AND QUANTITY OF HEADED SHEAR STUDS AT STEEL FRAME BEAMS, REFER TO FRAME ELEVATIONS.
- CONTRACTOR TO LOCATE AND BLOCK OUT FRAMING FOR PENETRATIONS WHERE THEY OCCUR. AT LARGE ROOF PENETRATIONS SEE 3/S7.2. AT SMALL ROOF PENETRATIONS THAT FIT BETWEEN FRAMING, SEE 7/S1.5.
- FRAMING SHALL SUPPORT ALL MEP UNITS, SEE SHEET S1.6 FOR TYPICAL EQUIPMENT DETAILS.

LEGEND

	DENOTES EQUIPMENT AND MAXIMUM WEIGHT.	
590 LBS		
RT	DENOTES ROOF TRUSS @ 24" o.c. PER TRUSS MANUFACTURER. SEE DESIGN CRITERIA ON SHEET S0.1. DESIGN LOADS ARE SHOWN ON THIS SHEET.	
HDR	DENOTES HEADER PER SCHEDULE BELOW, SEE DETAIL FOR MORE INFORMATION.	2 S8.1
	DENOTES DRAG TIE STRAP MSTC40 (FILL ALL FASTENER HOLES)	
	DENOTES DRAG CONNECTION PER DETAIL TYP. U.O.N.	4 S7.1

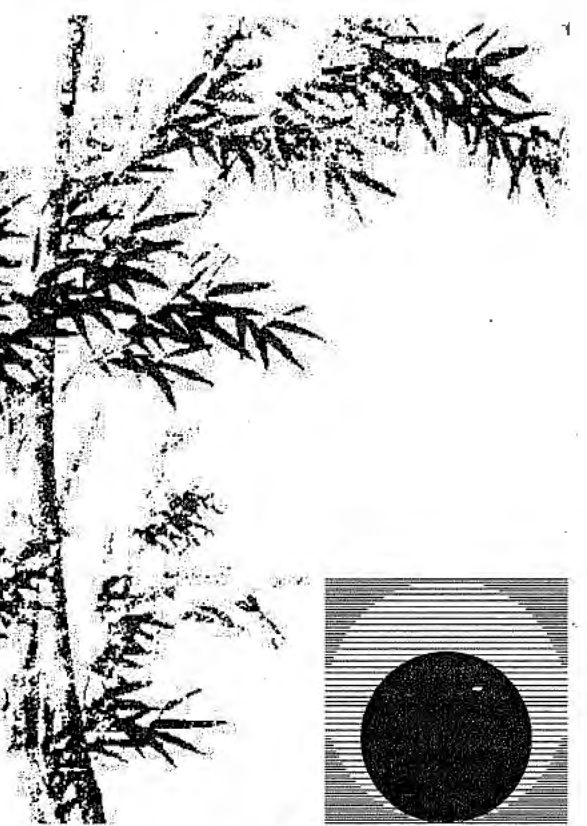
SCHEDULES

JOIST SCHEDULE		
TYPE	SIZE	COMMENTS
J-1	2x10 DF #1 @ 24" o.c.	
J-2	14" RED-L @ 24" o.c.	REDBUILT OPEN WEB TRUSS
J-3	28" RED-L @ 24" o.c.	REDBUILT OPEN WEB TRUSS

BEAM SCHEDULE		
TYPE	SIZE	COMMENTS
B-1	4x10	DF #1
B-2	4x12	DF #1
B-3	4x14	DF #1
B-4	3 1/2 x 14" LVL	SEE TRUSS NOTE #6
B-6	HSS10x5x3/8	

PRE-MANUFACTURED TRUSS NOTES

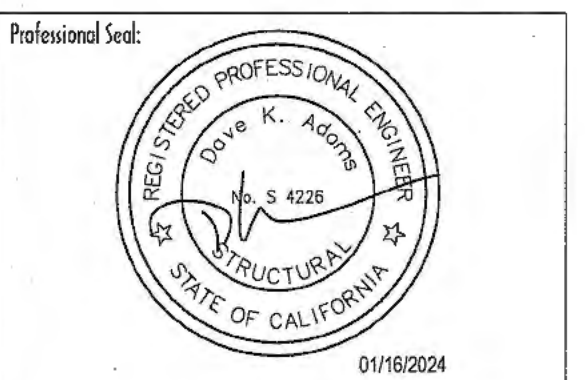
- THE MAXIMUM SPACING SHALL BE 2'-0" o.c.
  - TOP CHORD:  
DEAD LOAD = 11 P.S.F. (TRUSS SELF-WEIGHT NOT INCLUDED IN DEAD LOAD)  
LIVE LOAD = 20 P.S.F. + 3.0 P.S.F. AT FUTURE PV PANELS  
EXCEPTION: ROOF LIVE LOADS NEED NOT BE APPLIED TO THE AREA COVERED BY PHOTOVOLTAIC PANELS WHERE THE CLEAR SPACE BETWEEN THE PANELS AND THE ROOF SURFACES IS 24" OR LESS.
  - BOTTOM CHORD:  
DEAD LOAD = 3 P.S.F. (TRUSS SELF-WEIGHT NOT INCLUDED IN DEAD LOAD)
  - DEFLECTION CRITERIA:  
TOTAL LOAD (DEAD LOAD + LIVE LOAD):  $\Delta_{max} = L/240$  (L=TRUSS SPAN)
- VERIFY ALL ROOF SLOPES WITH ARCHITECTURAL PLANS
- PRIOR TO THE ROOF TRUSS FABRICATION, THE ROOF TRUSS MANUFACTURER SHALL PROVIDE CALCULATIONS, TRUSS LAYOUT PLANS, DETAILS, ETC. TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE TRUSS MANUFACTURER SHALL RECOMMEND AND PROVIDE ALL BRIDGING, BLOCKING, HEADERS AND HARDWARE, ETC.
- EACH TRUSS SHALL BE LEGIBLY BRANDED, MARKED OR OTHERWISE, HAVE PERMANENTLY AFFIXED THERETO THE FOLLOWING INFORMATION LOCATED WITHIN 2 FEET OF THE CENTER OF THE SPAN ON THE FACE OF THE BOTTOM CHORD:
  - IDENTITY OF THE COMPANY MANUFACTURING THE TRUSS.
  - THE DESIGN LOAD.
  - THE SPACING OF THE TRUSSES.
  - VERIFY AND COORDINATE ALL TRUSS PROFILES AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
  - TRUSSES SHALL BE LOADED IN COORDINATION WITH ARCH, VENTS, ACCESS PANELS AND ANY OTHER OPENINGS.
- FOR STORY SHEARS, BEARING WALLS, AND FOUNDATION DESIGN PURPOSES THE TRUSS SELF-WEIGHT IS ASSUMED TO BE 8.0 P.S.F. MAX. VERIFY WITH TRUSS MANUFACTURER.
- U.O.N., LAMINATED VENEER LUMBER (LVL) SHALL BE MICROLAM 1.9E 2600F OR EQUAL (E = 1900 KSI, F<sub>b</sub> = 2.6 KSI, F<sub>v</sub> = 285 PSI)



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Drawing Status:

Contract Document

Revision Summary:


Project:  
**New Morgue Building**  
Tulare County Sheriff  
**South "O" Street**  
Tulare, California

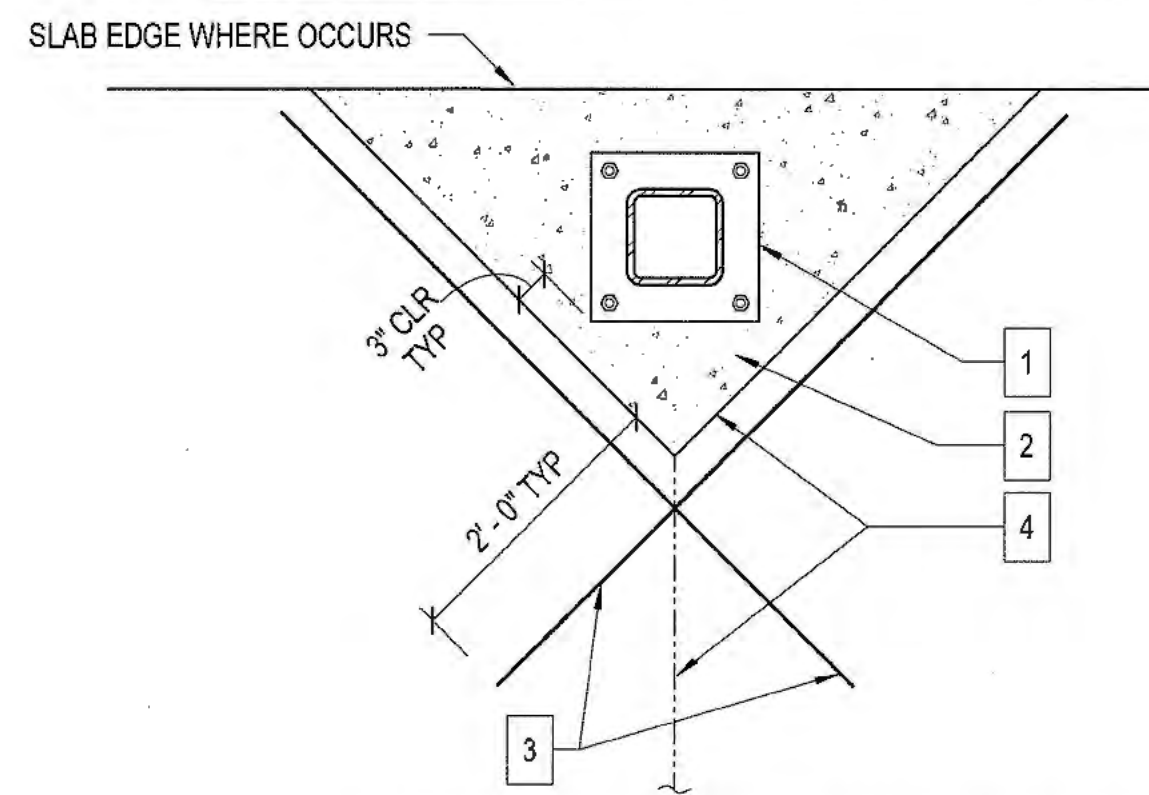
Sheet Description:  
**Roof Framing Plan**

Date:	1/26/23
Project:	22-102
Scale:	1/8" = 1'-0"
Sheet No.:	

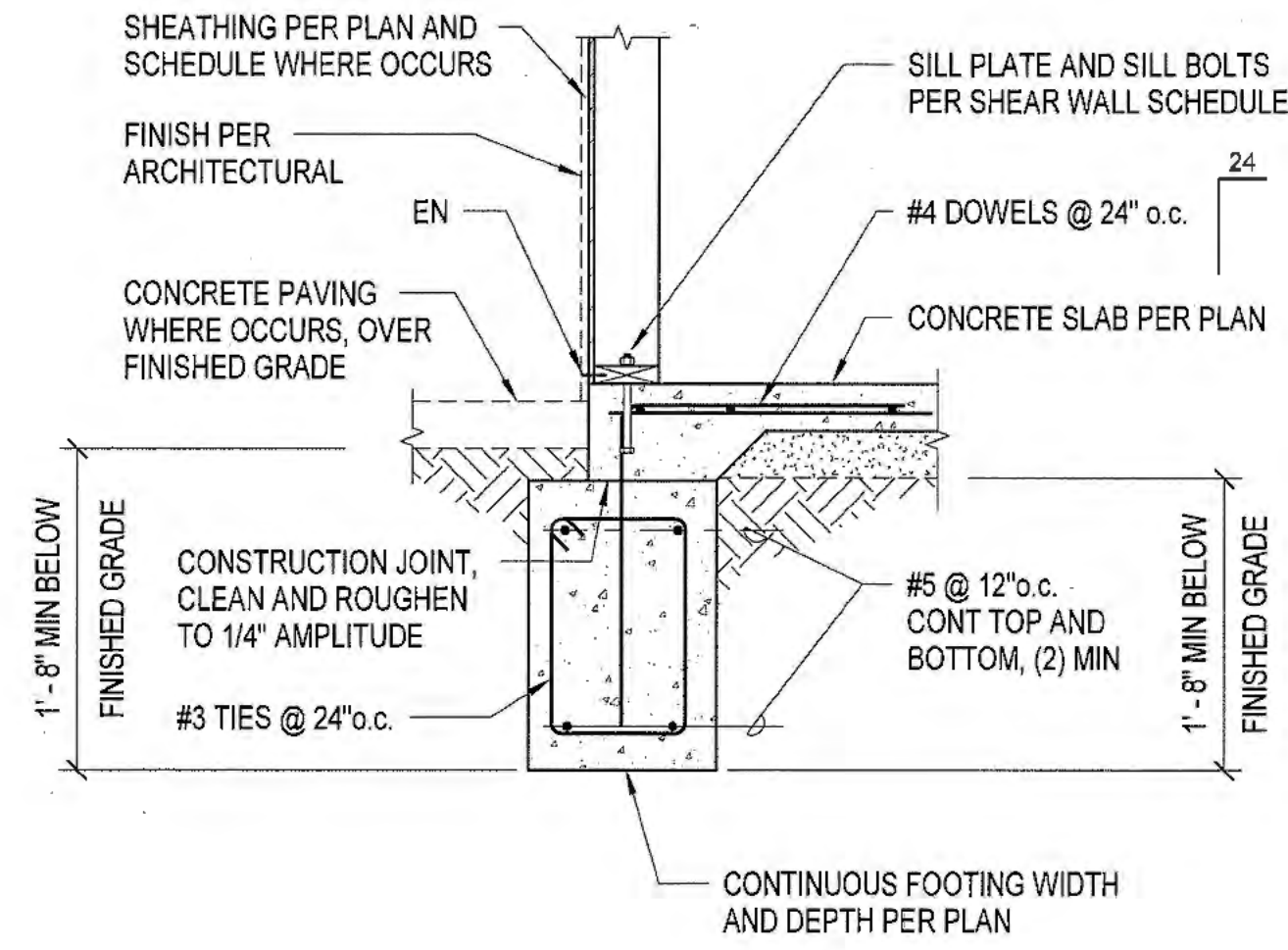
S2.2

Of # Sheets

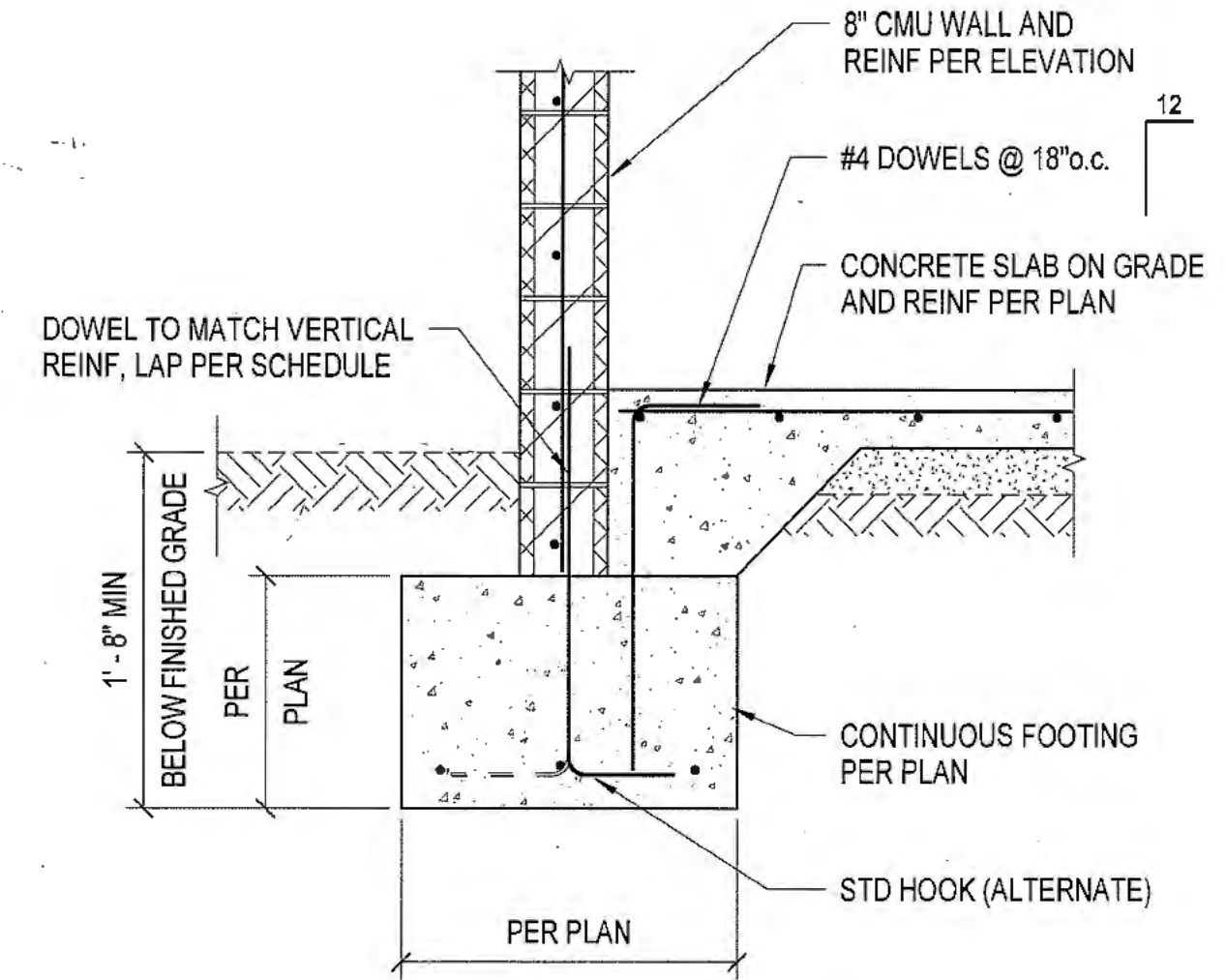
DETAIL KEYNOTES	
1	COLUMN PER PLAN, BASE PLATE PER $\frac{6}{S6.1}$
2	OMIT SLAB IN THIS AREA, FILL WITH CONCRETE FOLLOWING ERECTION OF COLUMN
3	#4 CENTERED IN SLAB AROUND PERIMETER OF BLOCKOUT
4	CONSTRUCTION OR CONTROL JOINT AS APPLICABLE



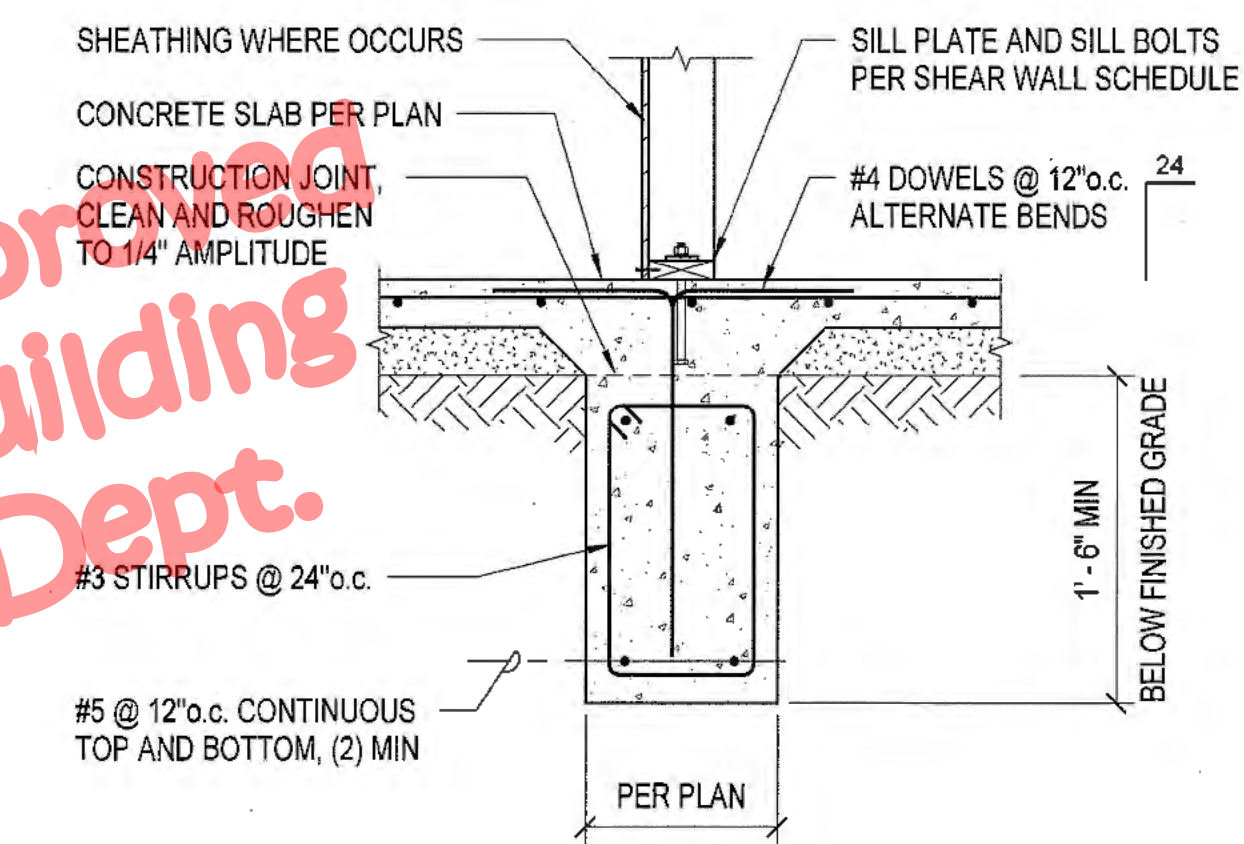
SLAB BLOCK-OUTS AT COLUMN (PLAN VIEW)  $\frac{7}{S6.1}$



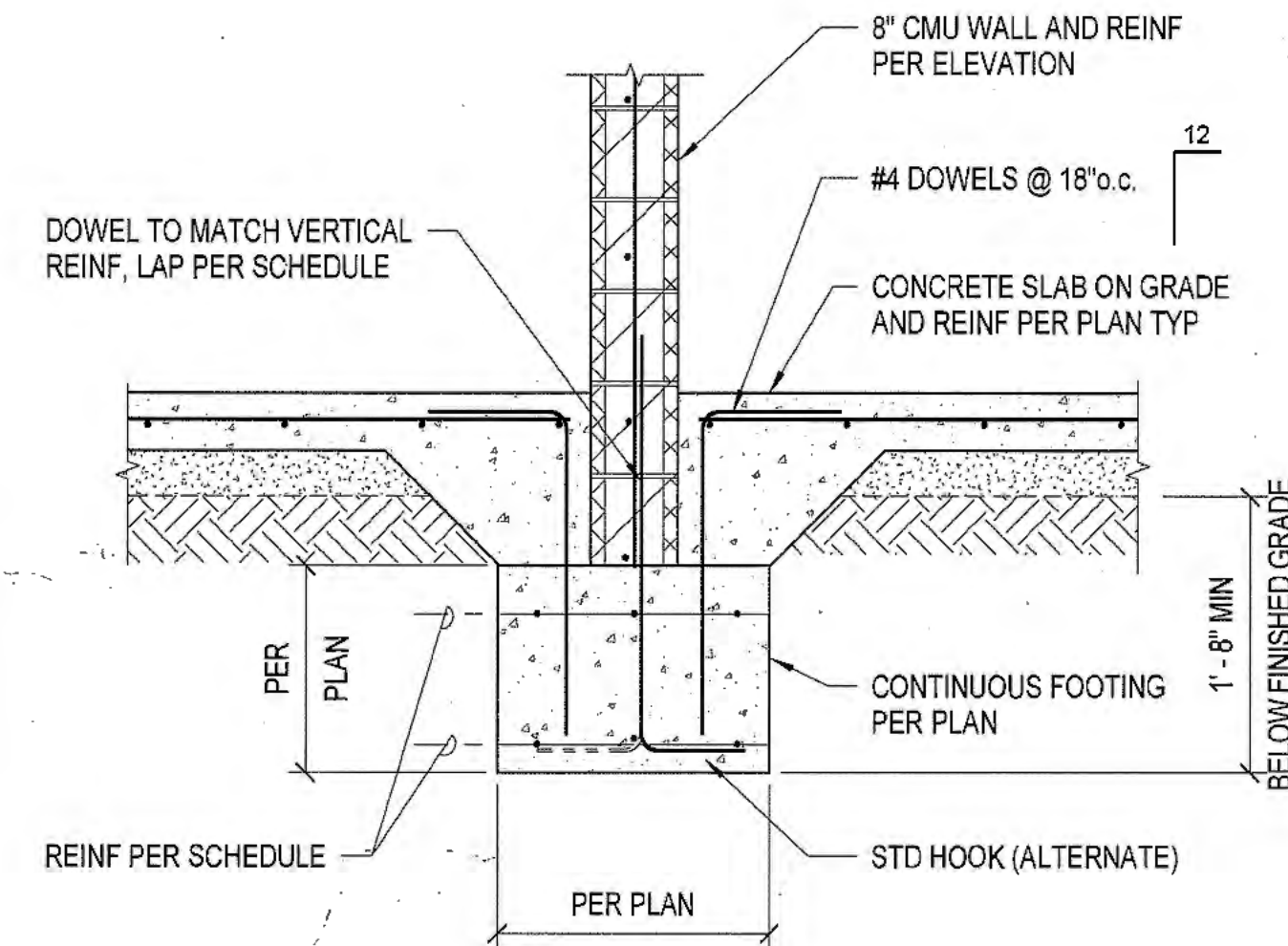
TYPICAL EXTERIOR FOOTING - TIMBER  $\frac{4}{S6.1}$



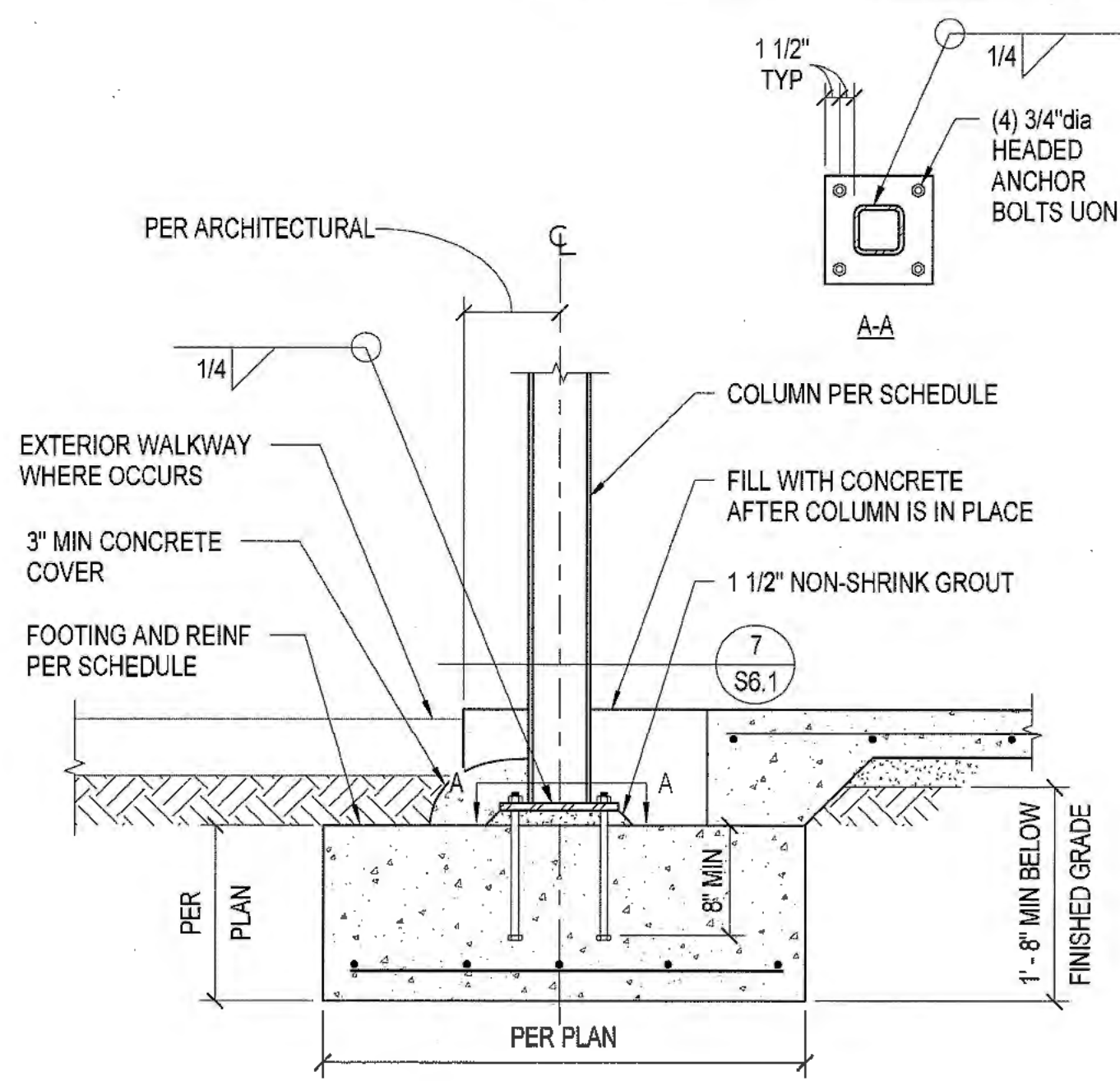
TYPICAL FOOTING AT EXTERIOR 8" CMU WALL  $\frac{1}{S6.1}$



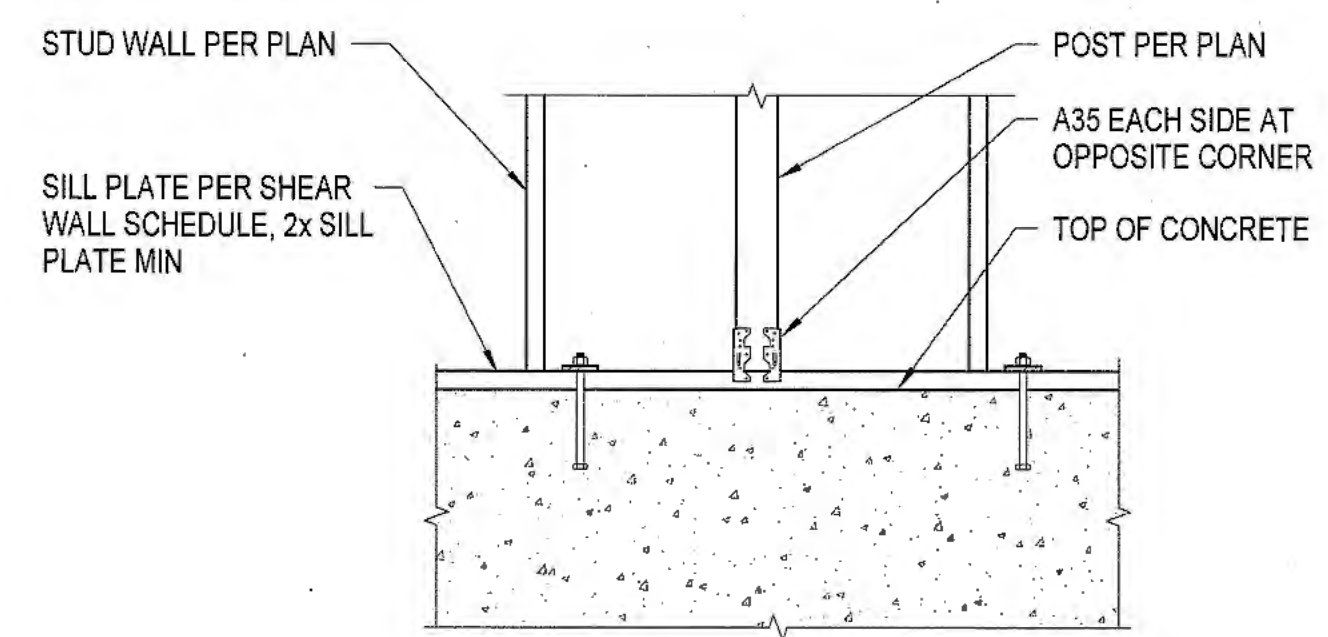
INTERIOR WALL FOOTING - TIMBER  $\frac{5}{S6.1}$



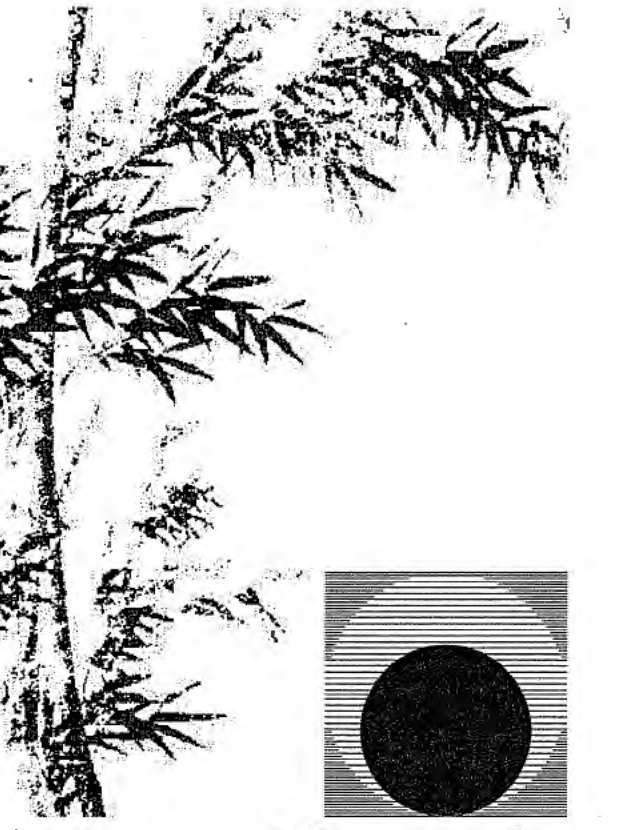
TYPICAL FOOTING AT INTERIOR 8" CMU WALL  $\frac{2}{S6.1}$



WIDE FLANGE COLUMN FOOTING (EXTERIOR)  $\frac{6}{S6.1}$



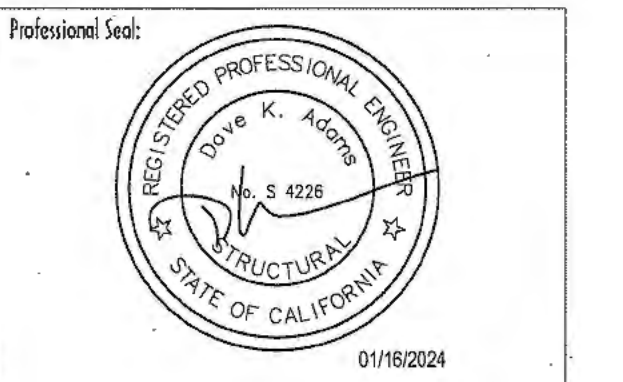
TYPICAL POST BASE - TIMBER  $\frac{3}{S6.1}$



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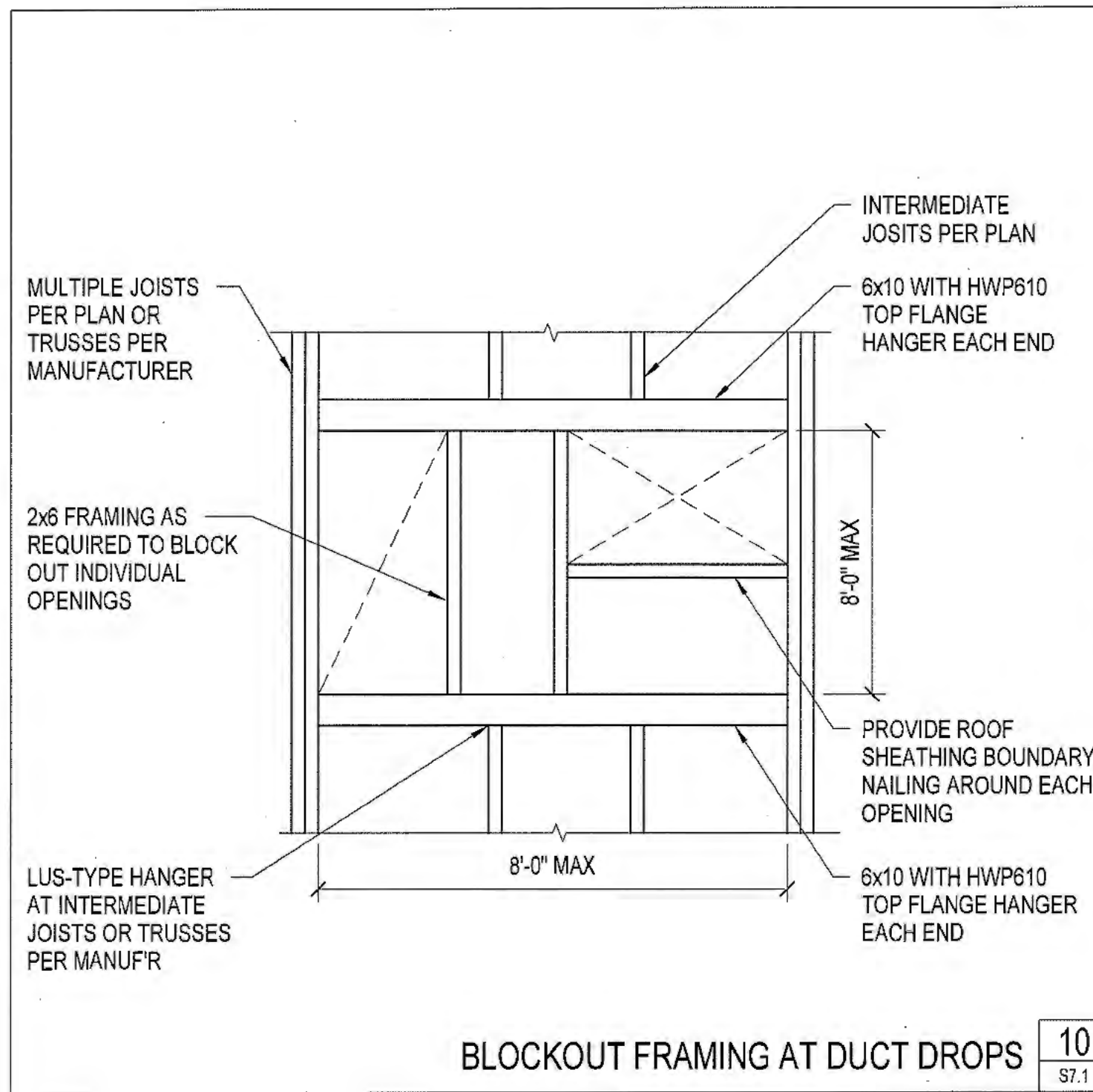
Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Foundation Details**

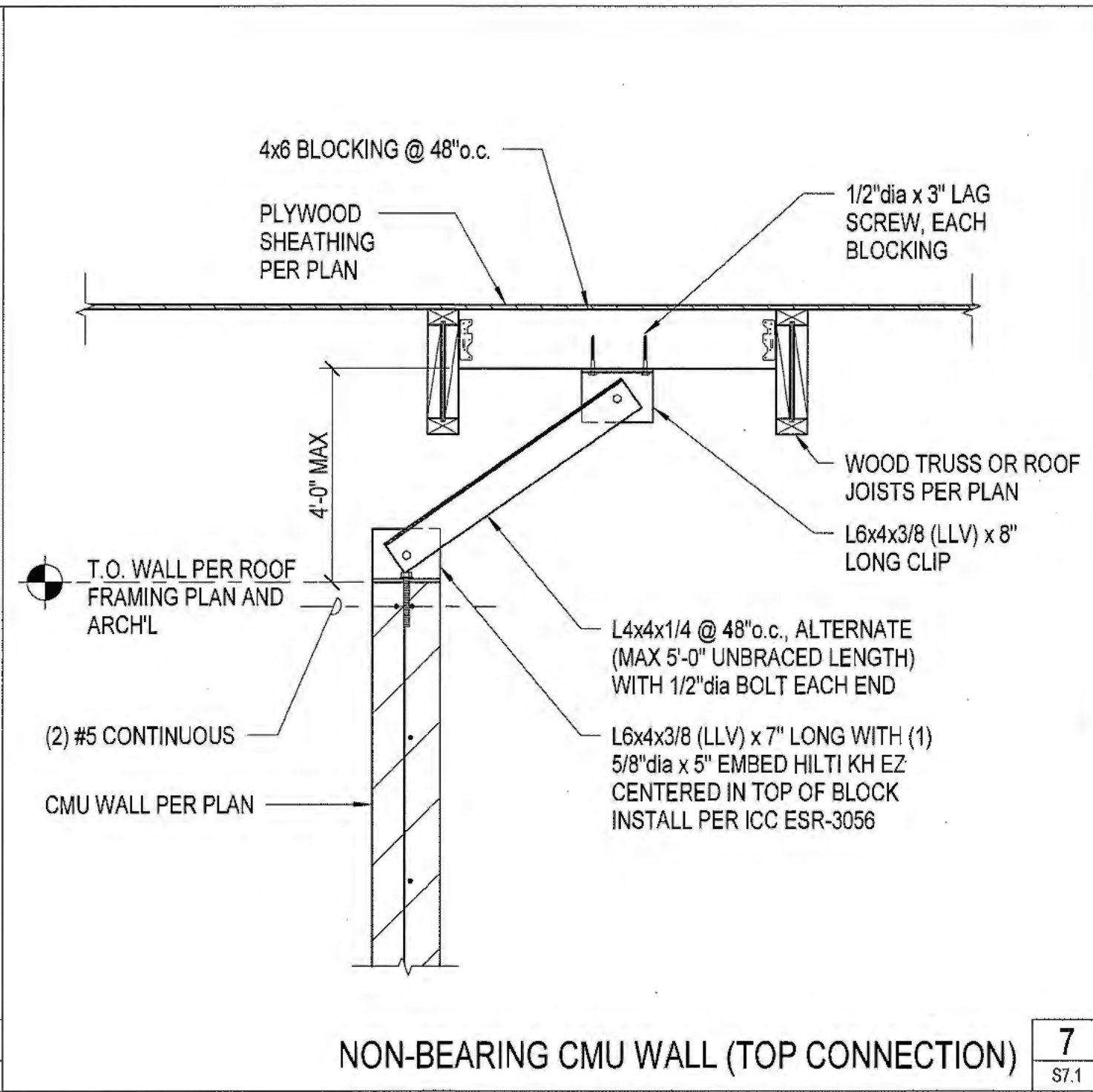
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Project:	22-102
Scale:	3/4" = 1'-0"
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**S6.1**

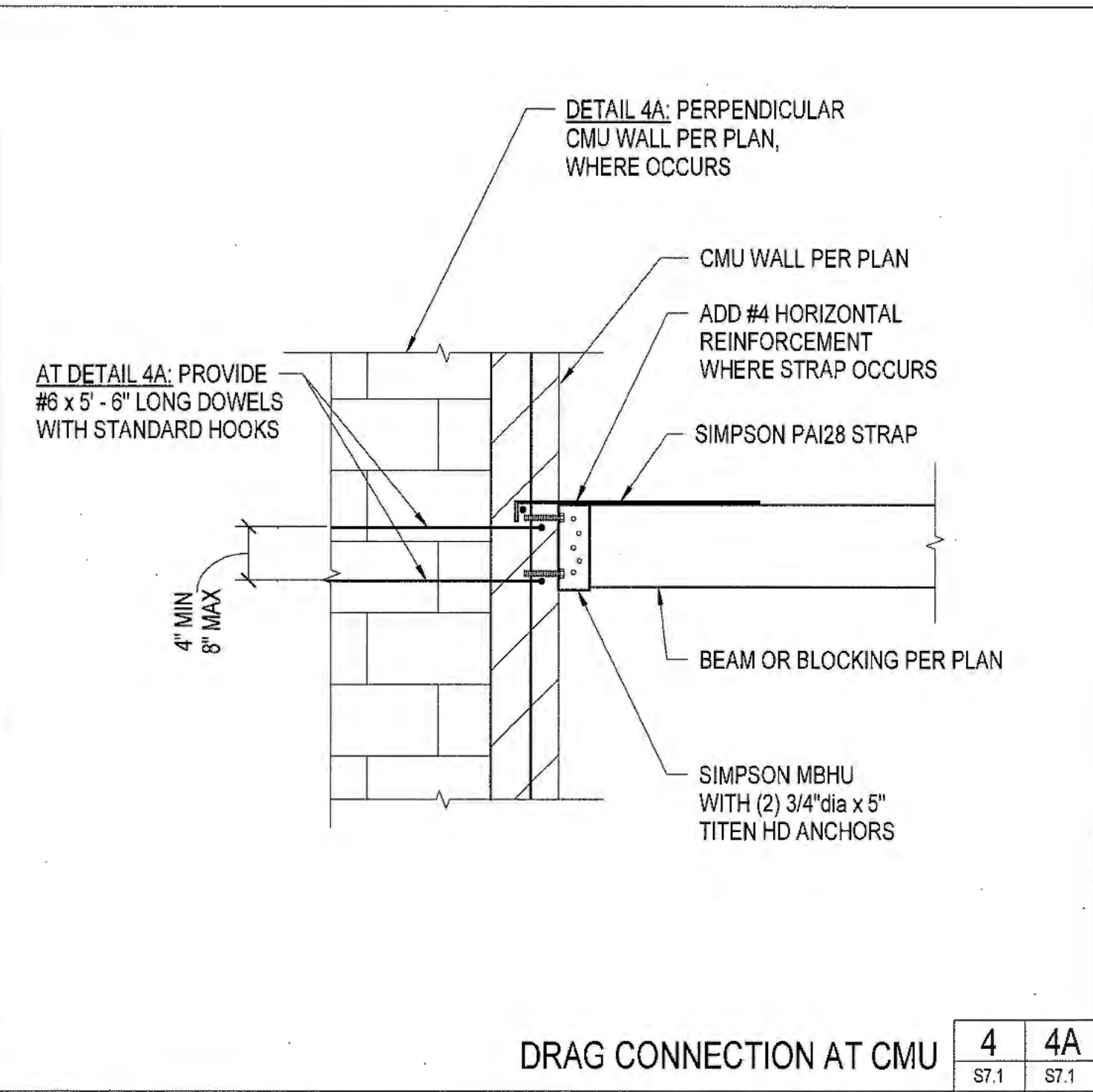
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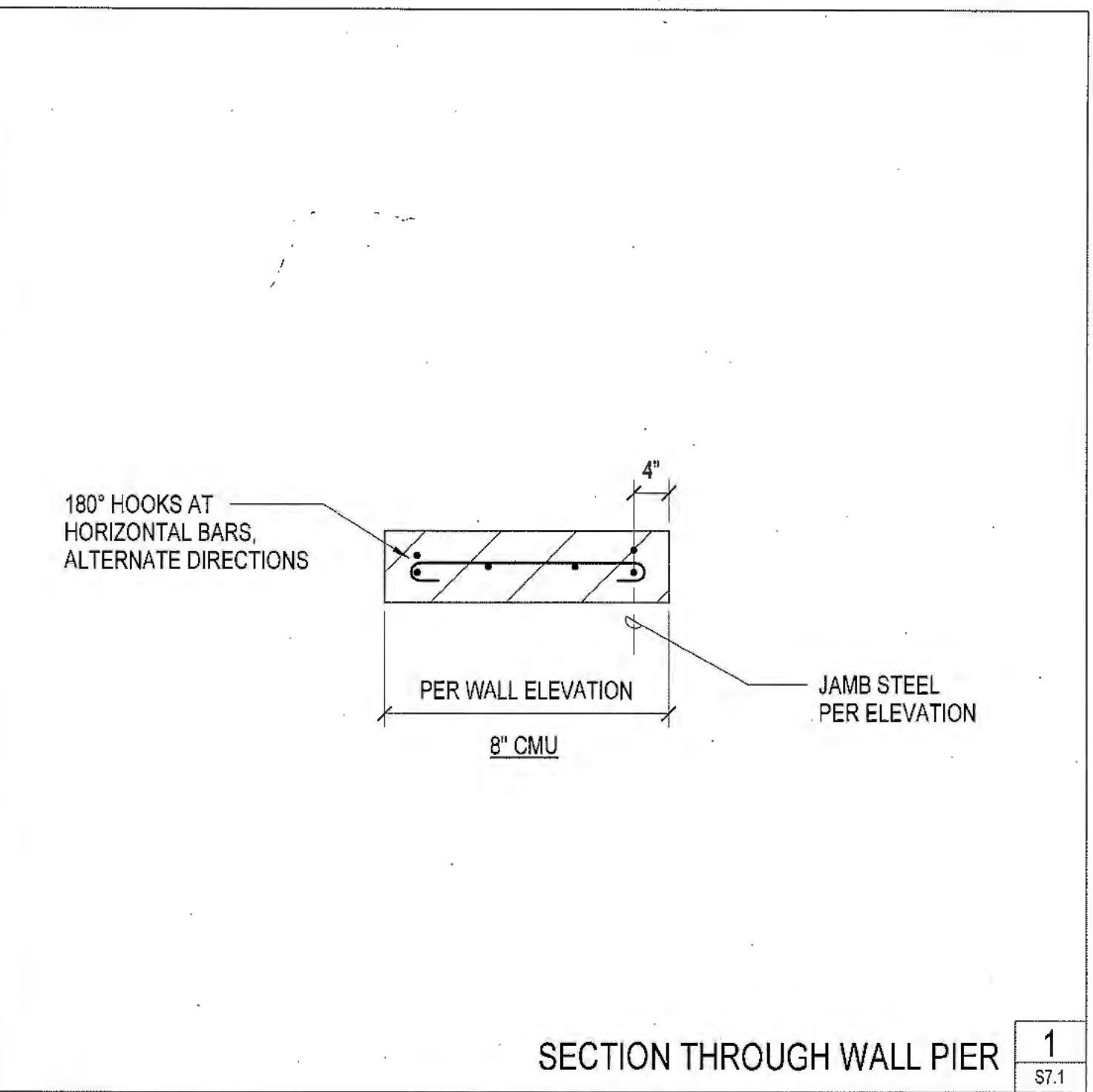
BLOCKOUT FRAMING AT DUCT DROPS 10  
S7.1



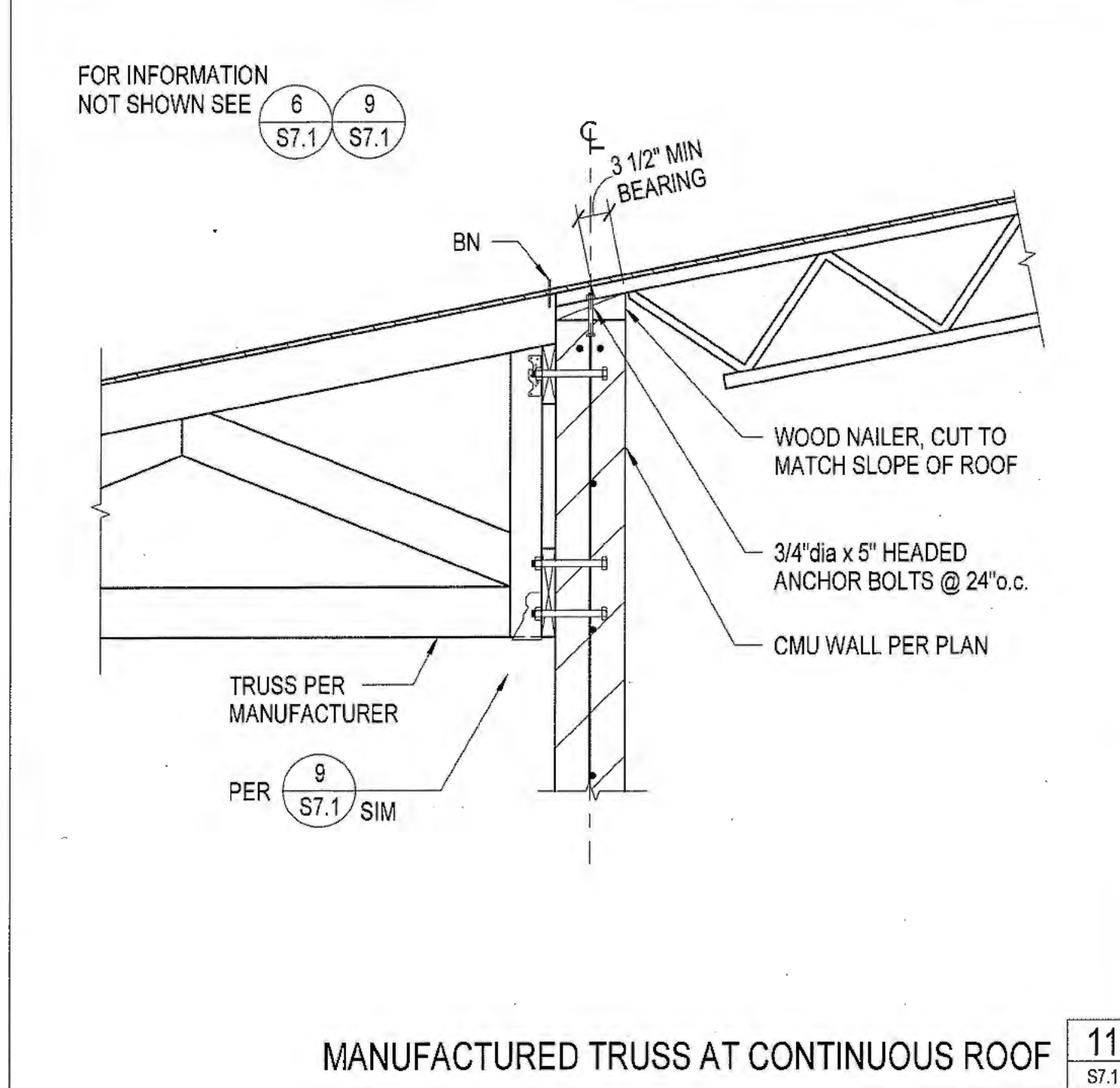
NON-BEARING CMU WALL (TOP CONNECTION) 7  
S7.1



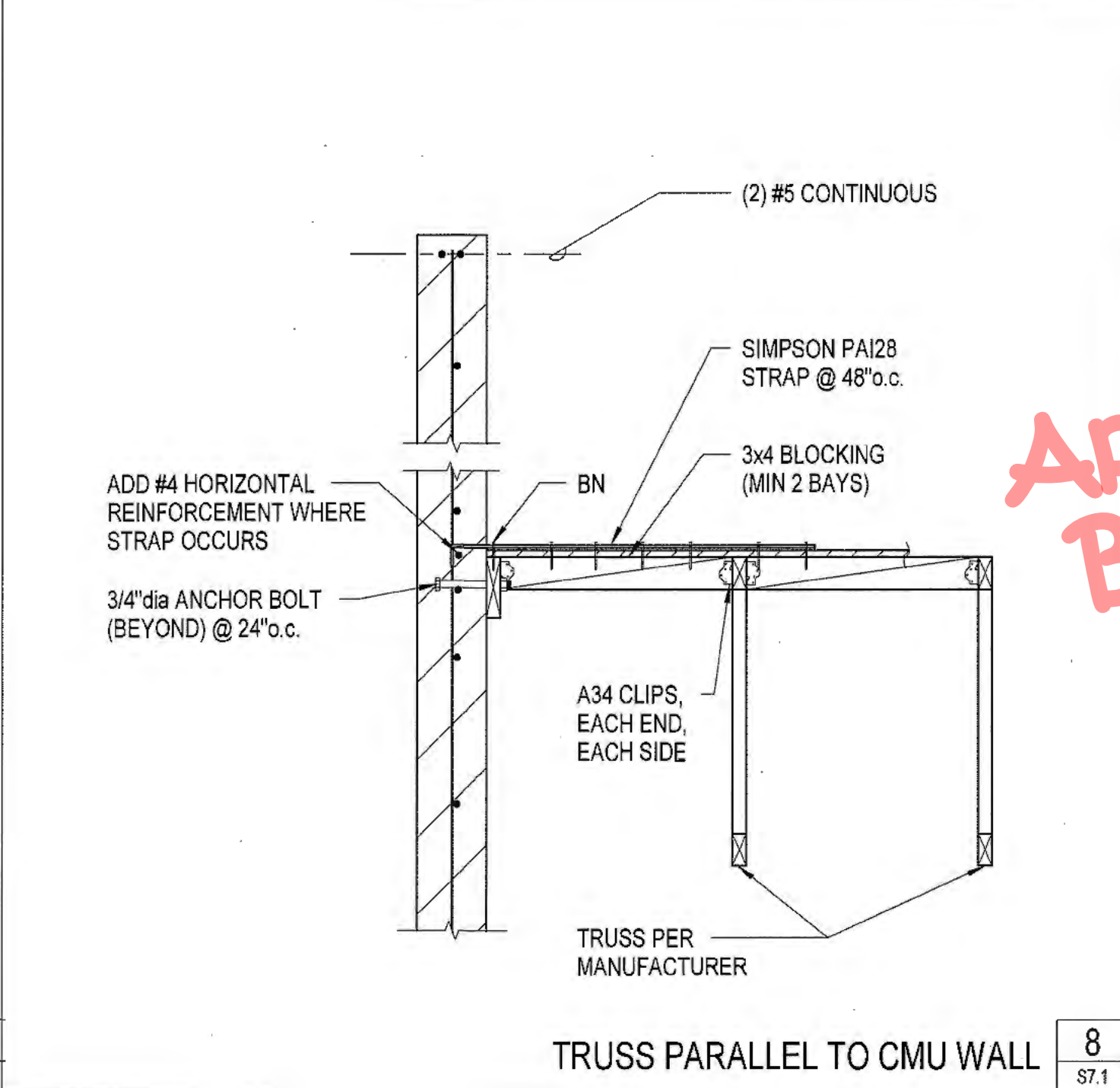
DRAG CONNECTION AT CMU 4 4A  
S7.1 S7.1



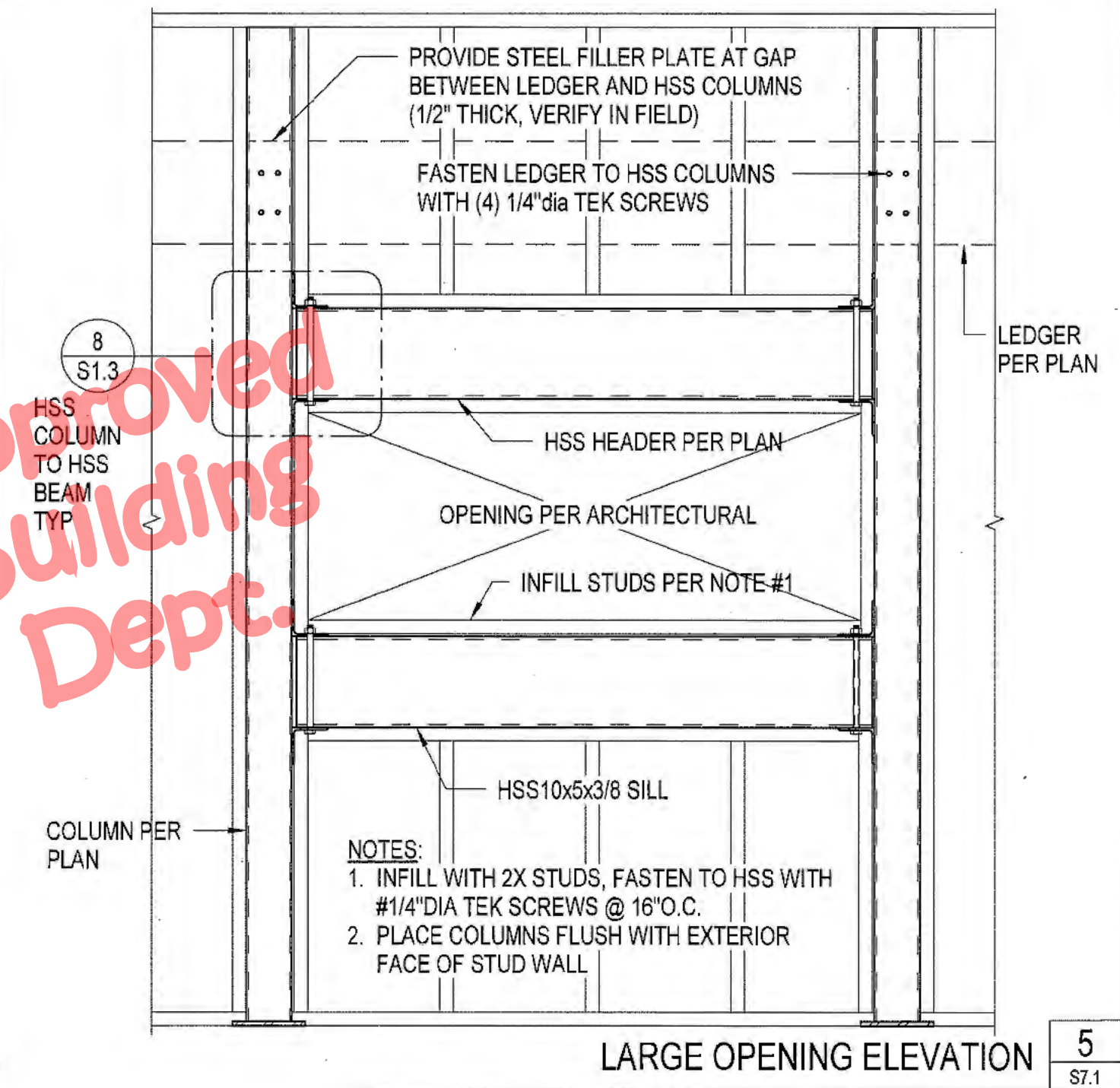
SECTION THROUGH WALL PIER 1  
S7.1



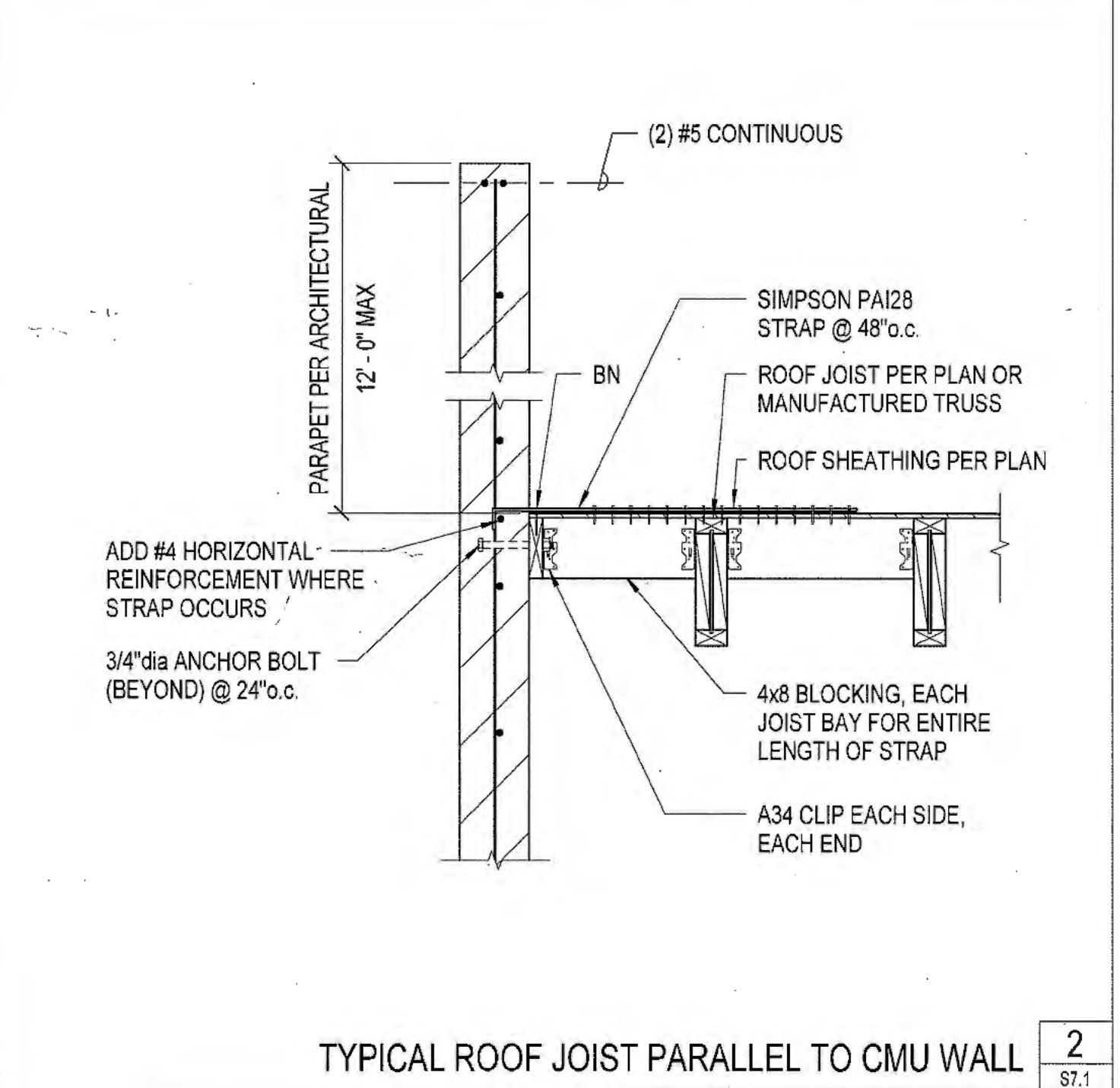
MANUFACTURED TRUSS AT CONTINUOUS ROOF 11  
S7.1



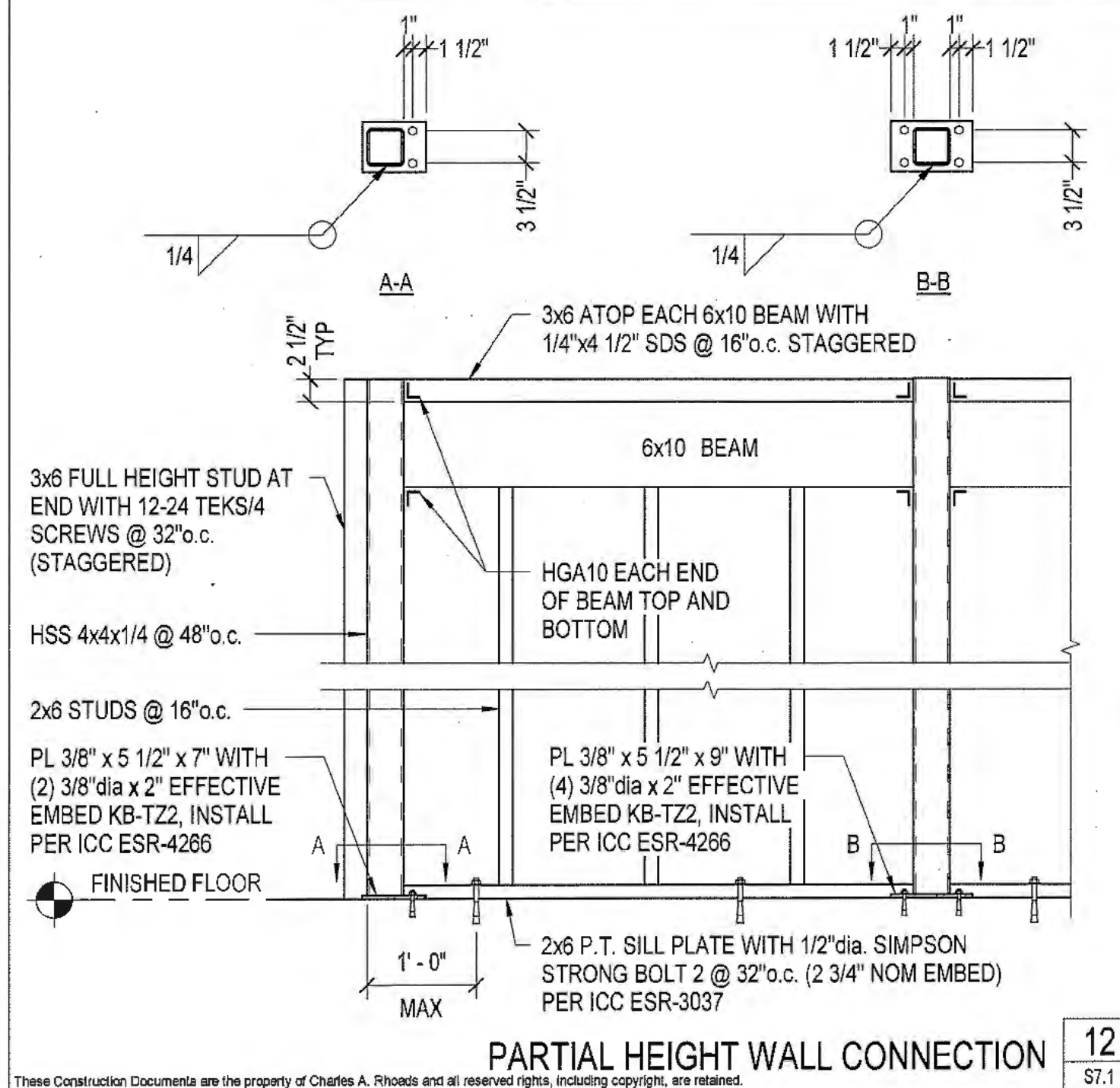
TRUSS PARALLEL TO CMU WALL 8  
S7.1



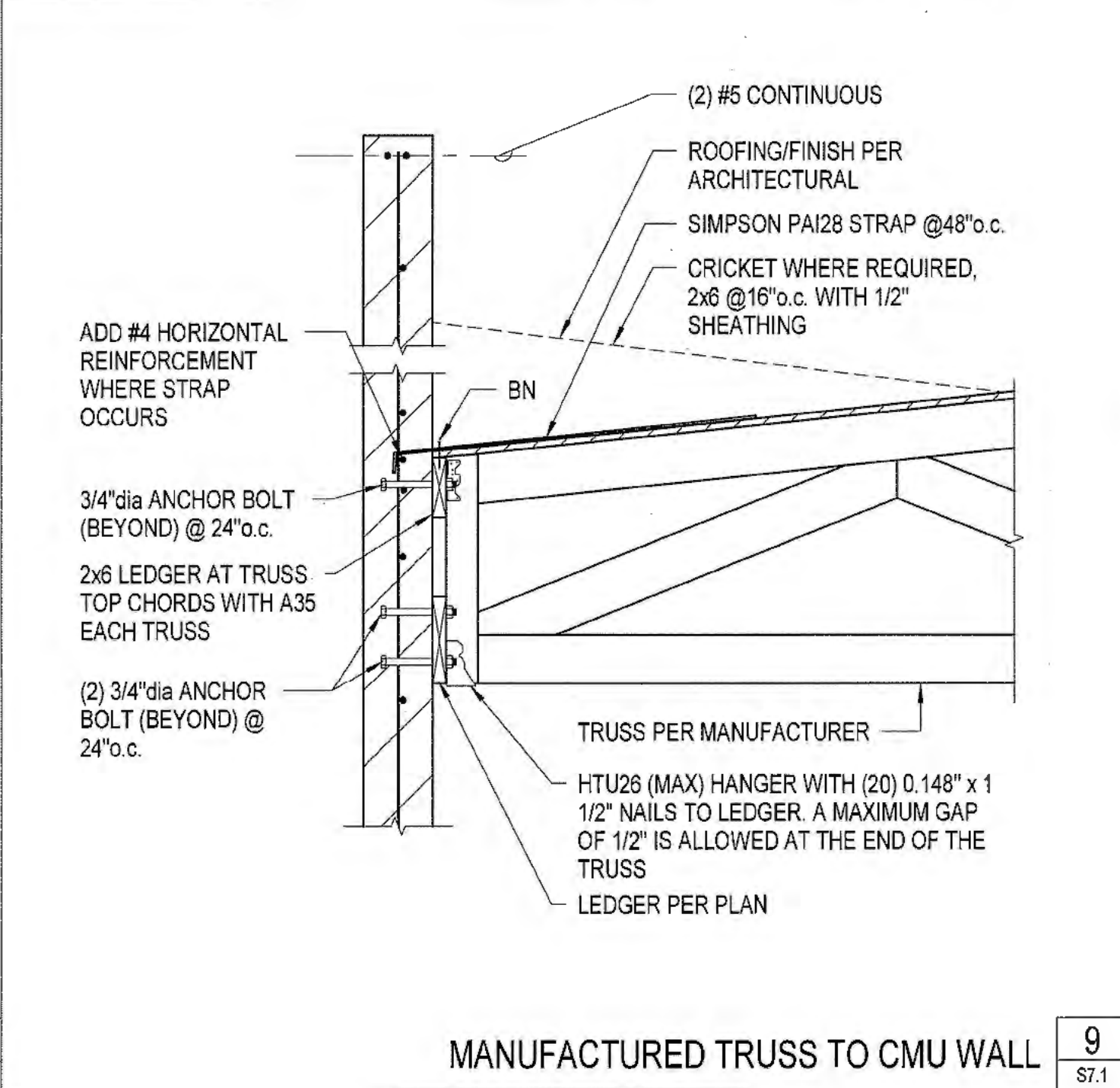
LARGE OPENING ELEVATION 5  
S7.1



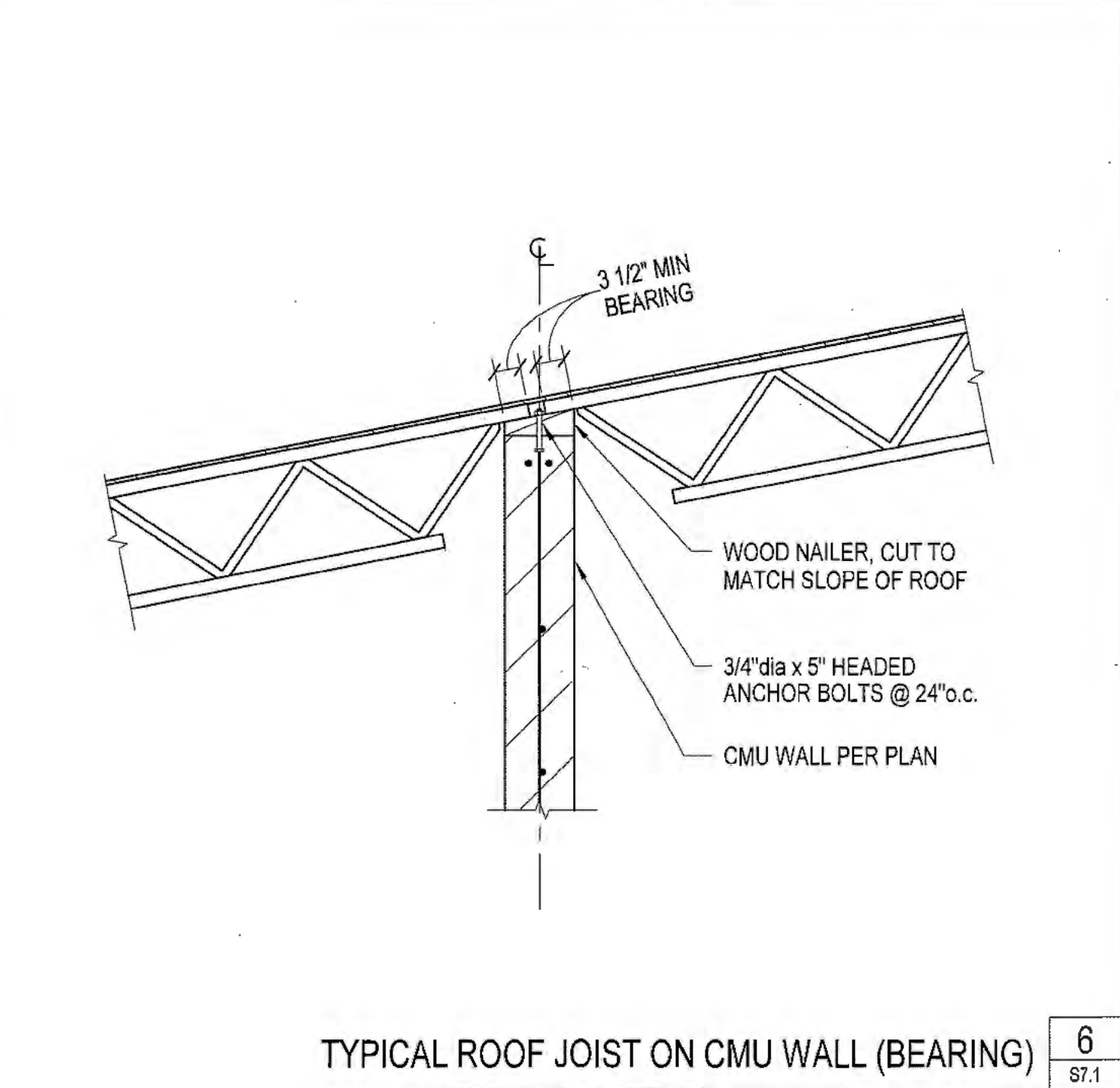
TYPICAL ROOF JOIST PARALLEL TO CMU WALL 2  
S7.1



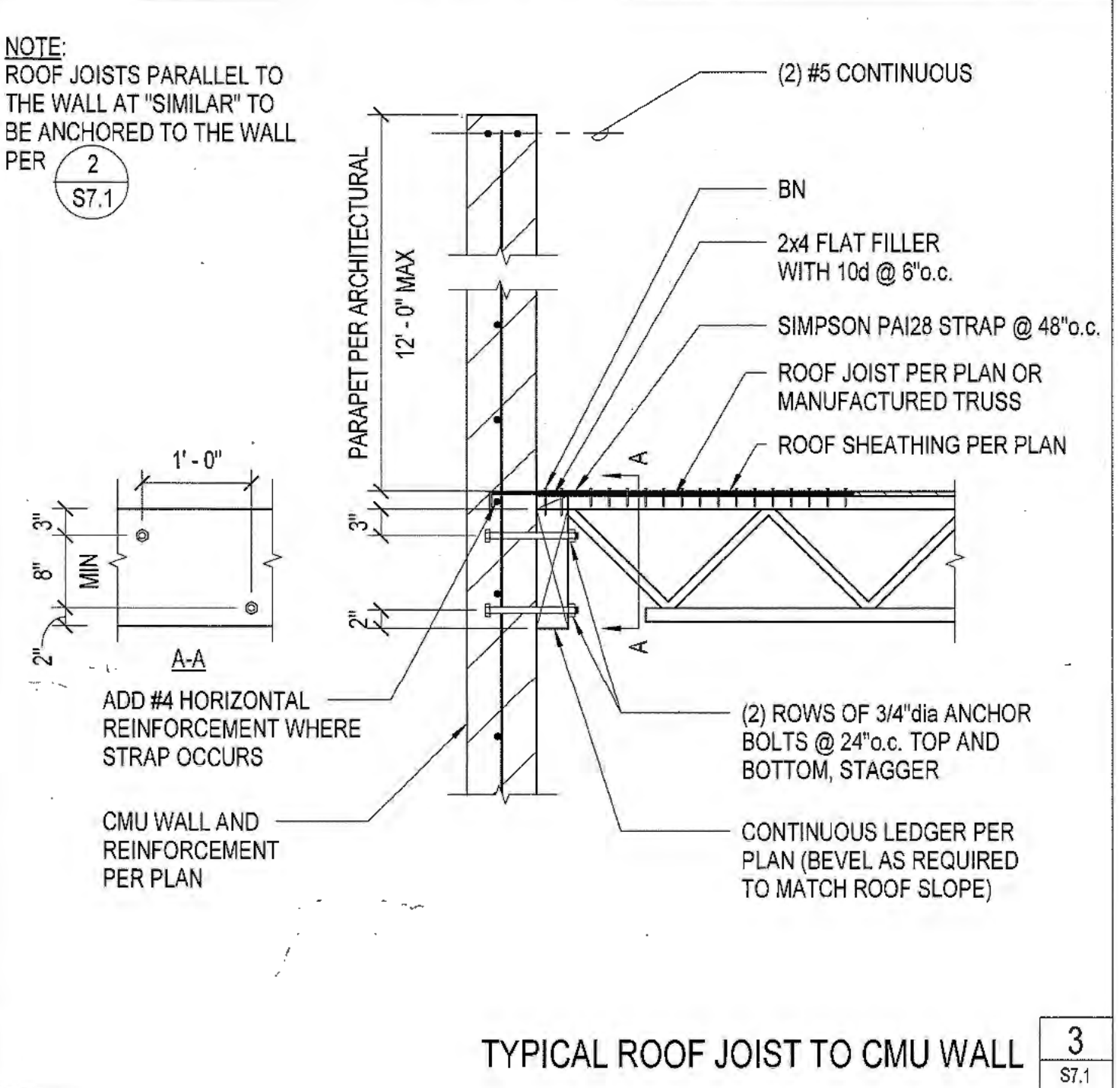
PARTIAL HEIGHT WALL CONNECTION 12  
S7.1



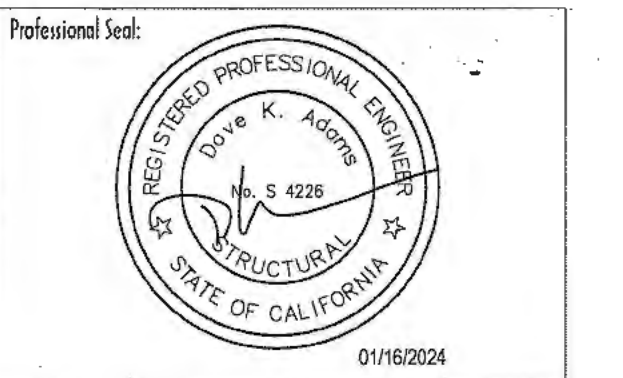
MANUFACTURED TRUSS TO CMU WALL 9  
S7.1



TYPICAL ROOF JOIST ON CMU WALL (BEARING) 6  
S7.1



TYPICAL ROOF JOIST TO CMU WALL 3  
S7.1



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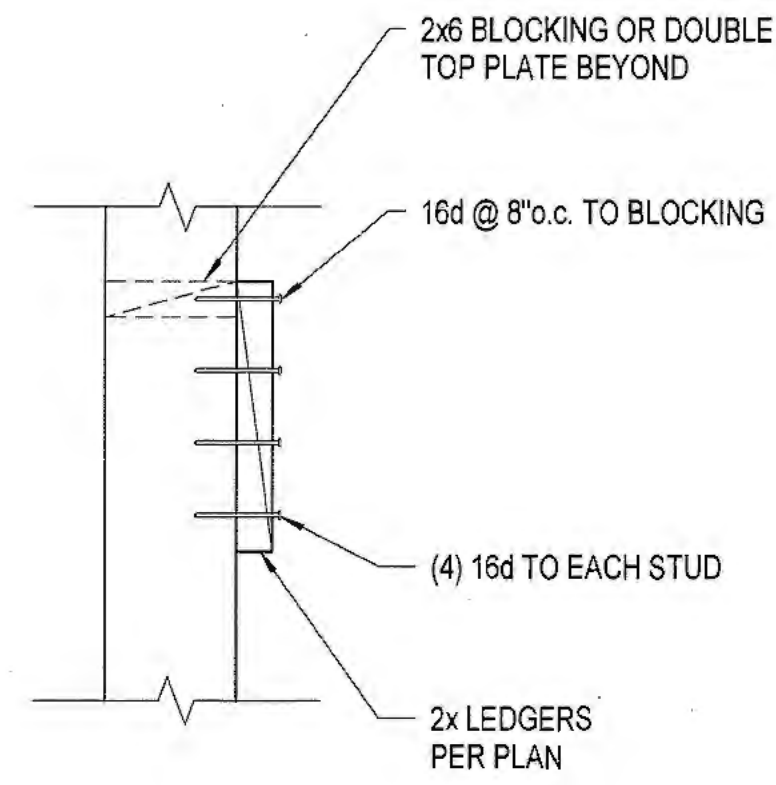
Project:  
New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
Framing Details

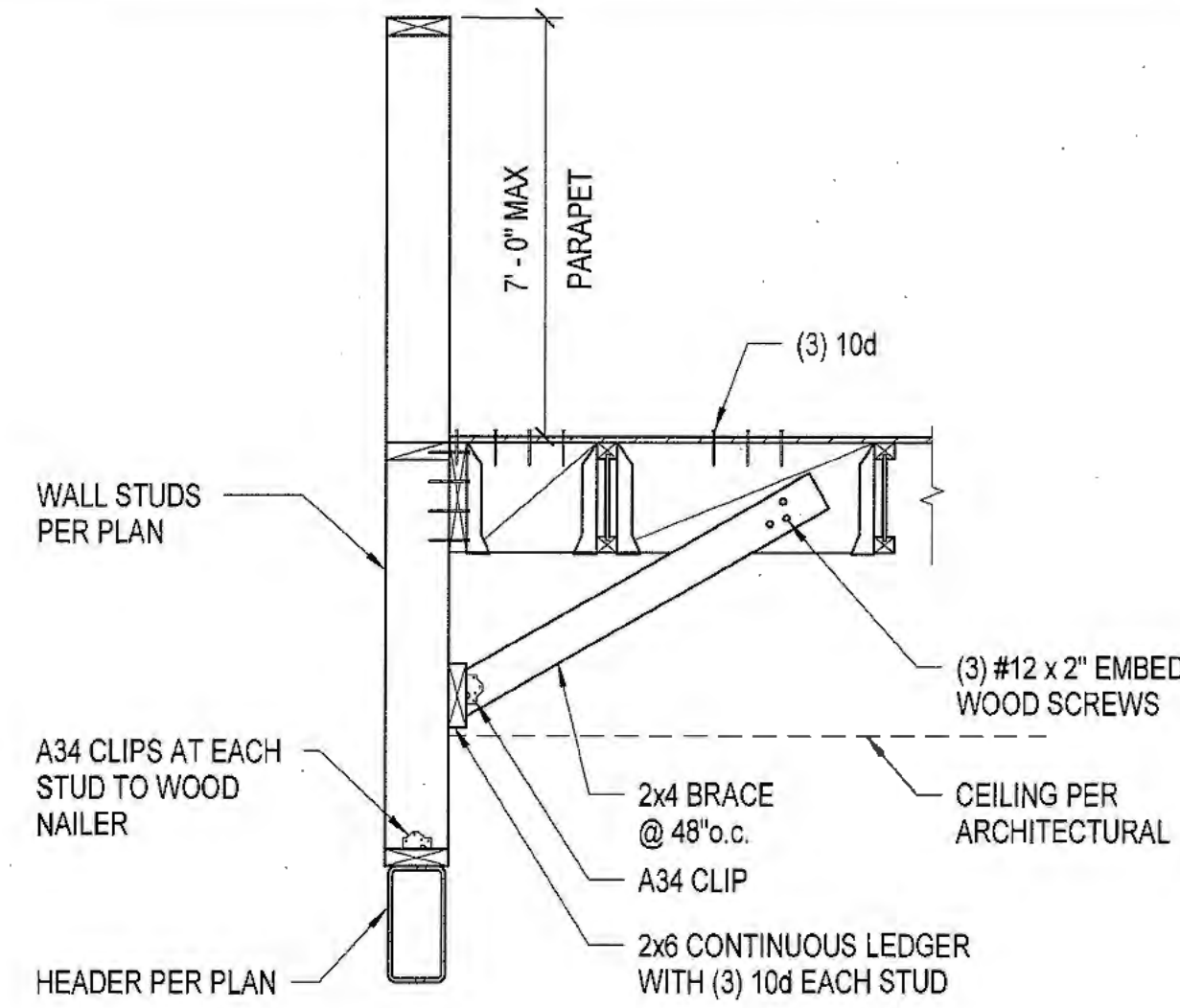
Date: 11/26/23  
Project: 22-102  
Scale: 3/4" = 1'-0"  
Sheet No.:

S7.1

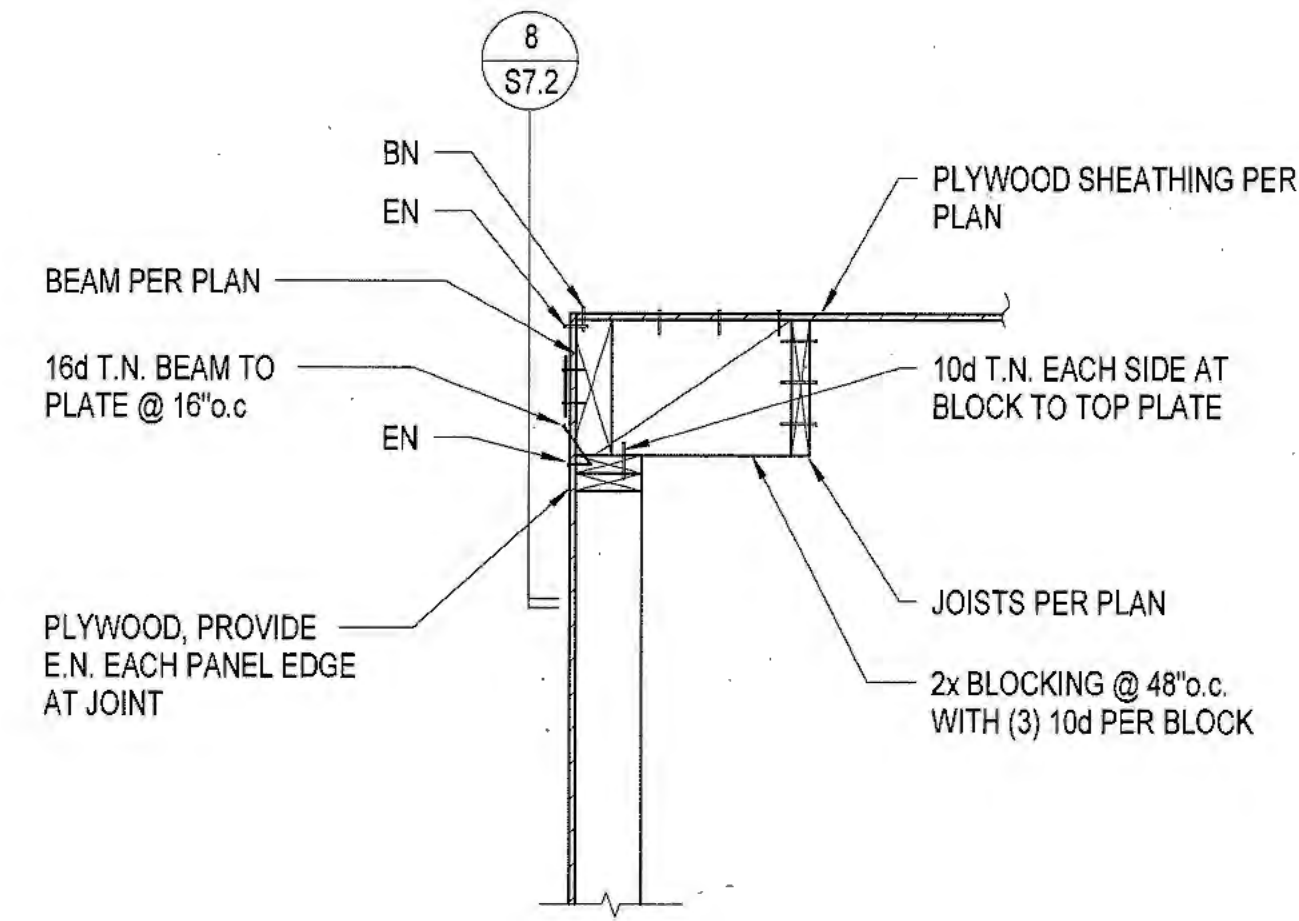
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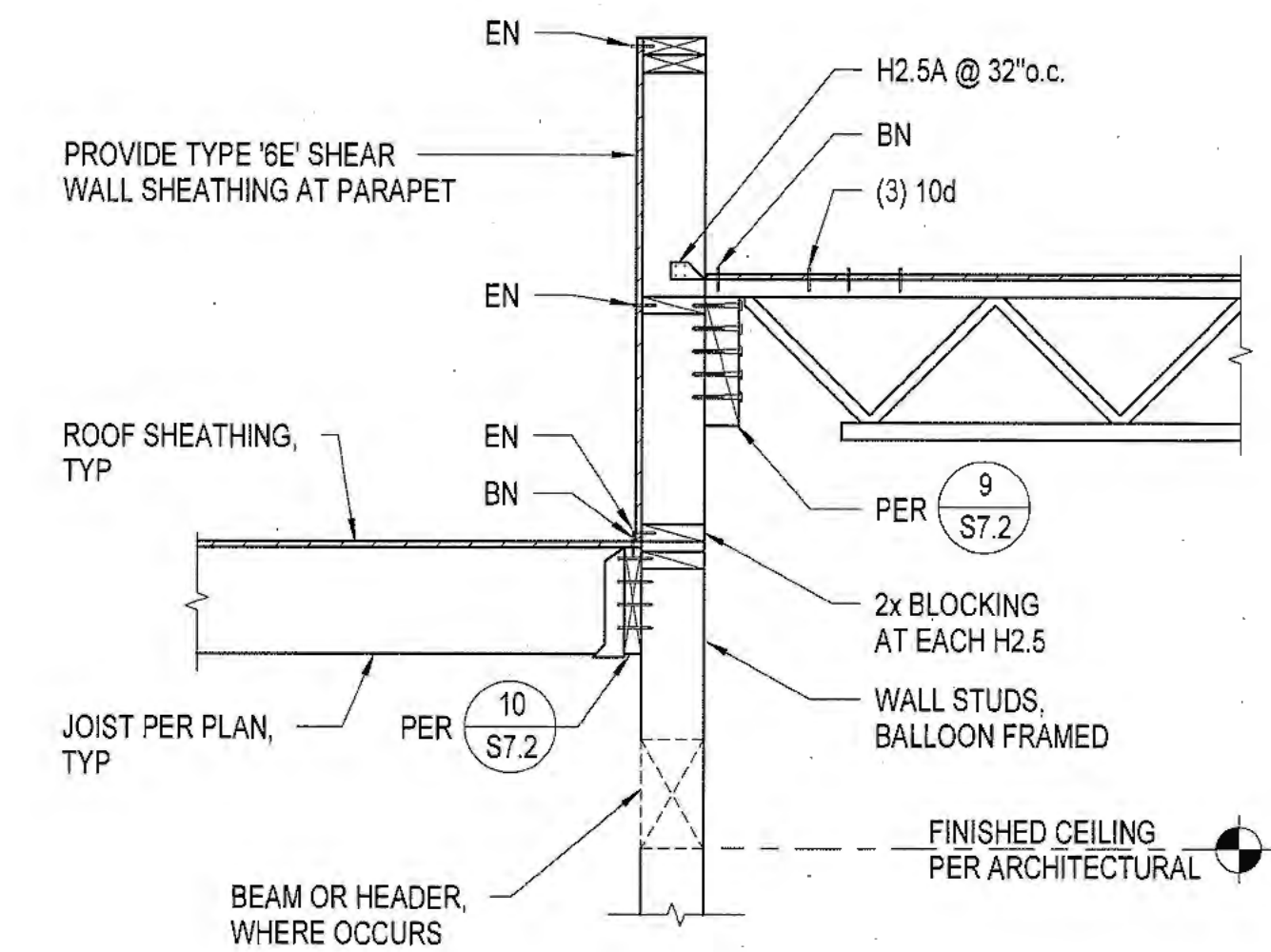
STUD WALL 2x LEDGER ATTACHMENT 10  
S7.2



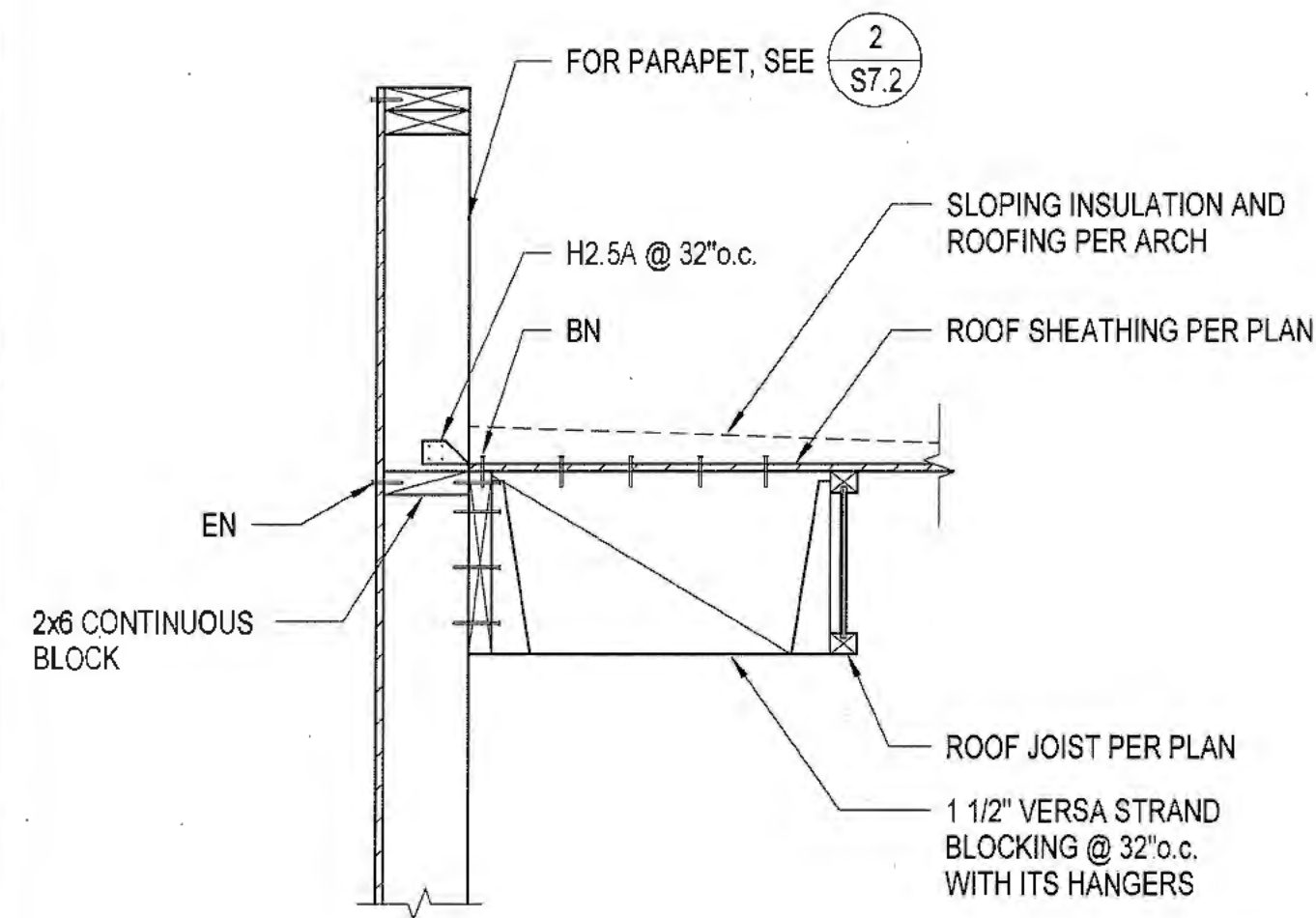
WALL BRACE ABOVE LARGE OPENINGS 7  
S7.2



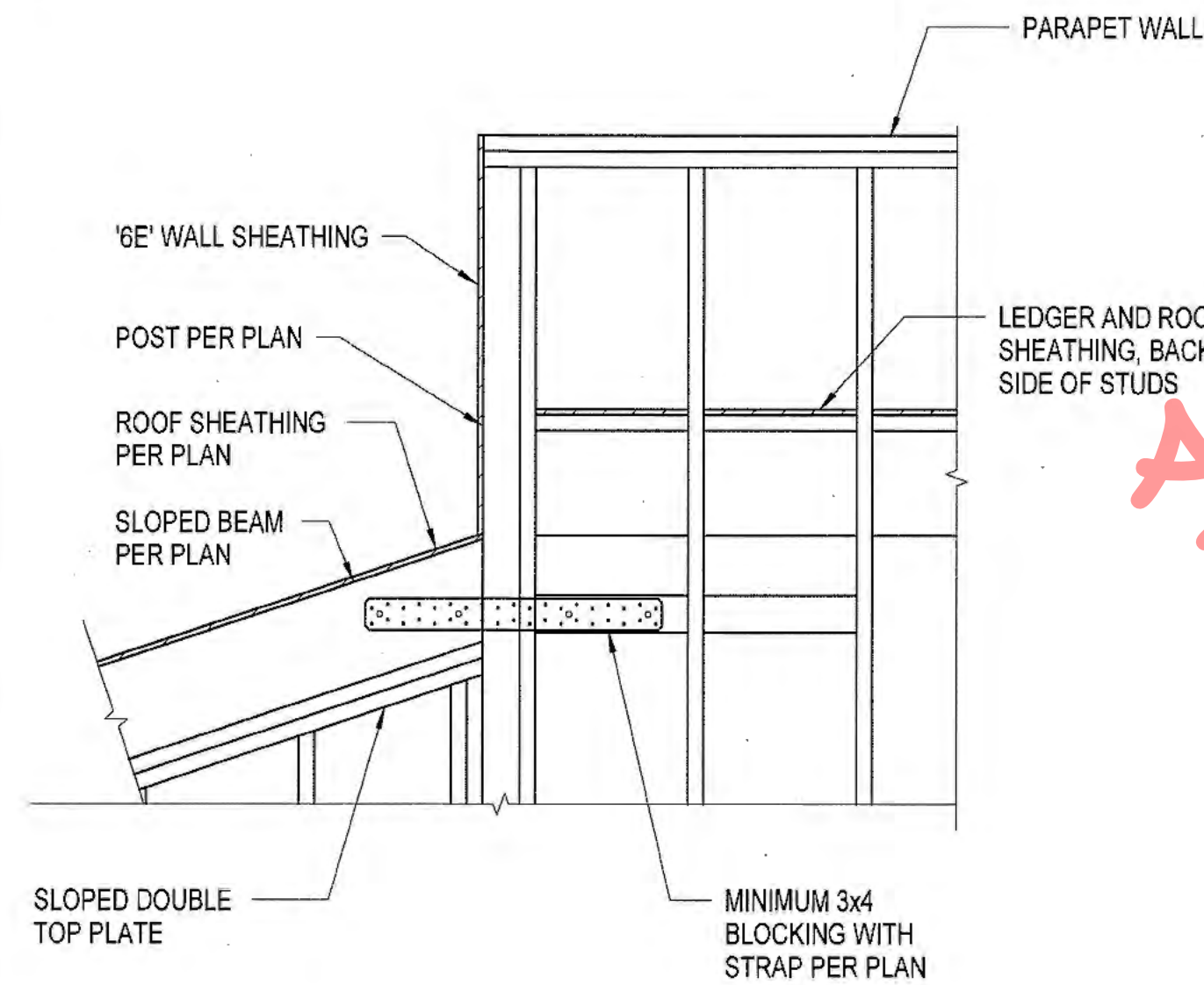
PARALLEL JOIST TO EXTERIOR WALL 4  
S7.2



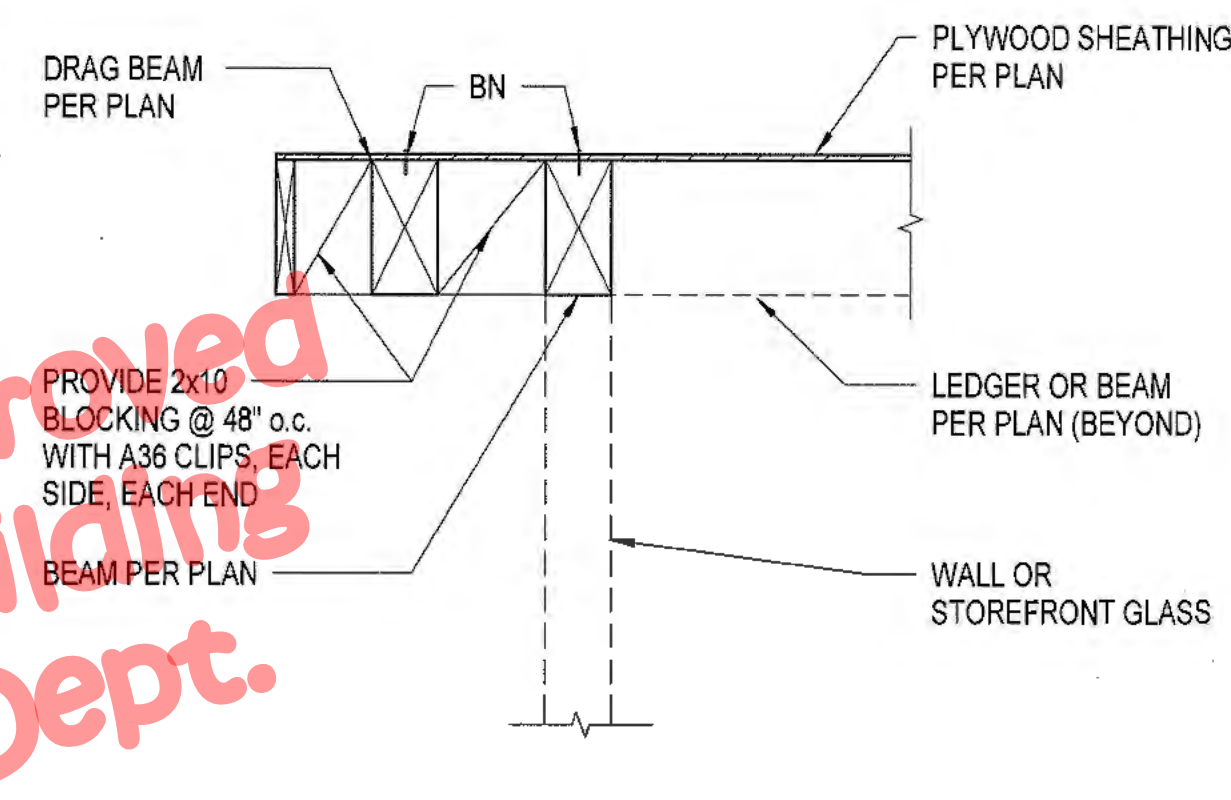
OFFSET ROOFS 1  
S7.2



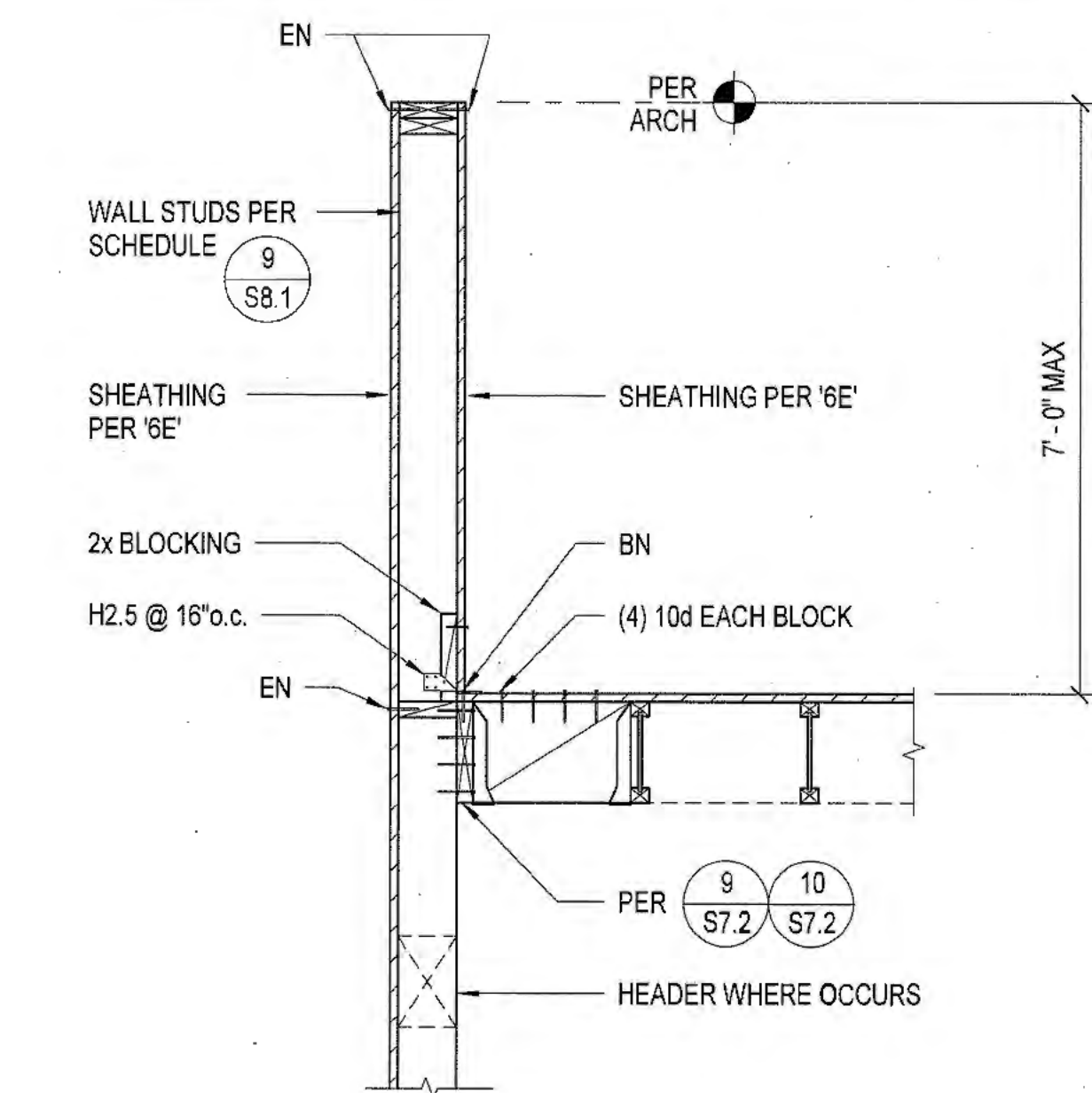
BALLOON FRAMING AT ROOF PARAPET - PARALLEL 11  
S7.2



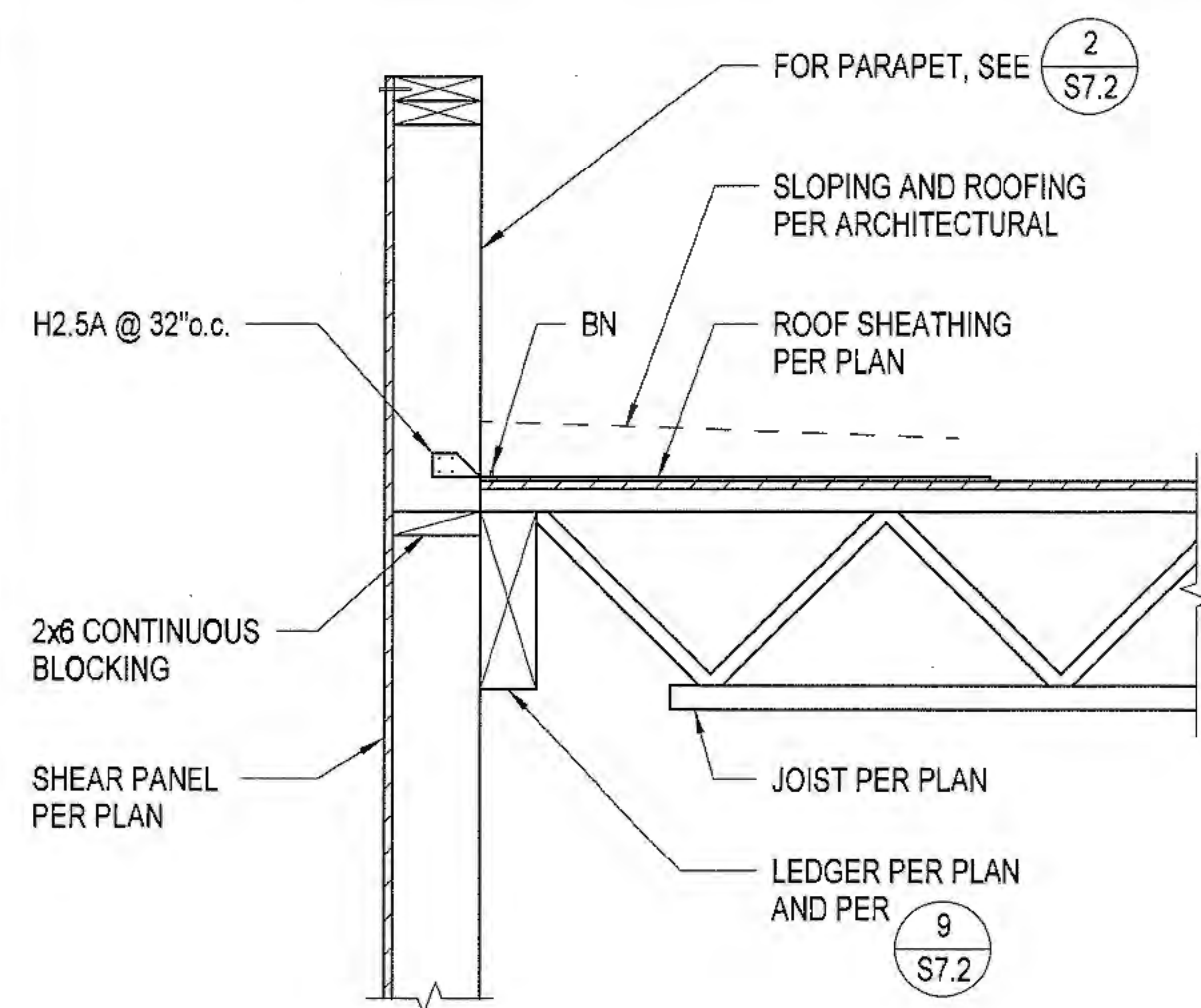
STRAPING AT SLOPED BEAM 8  
S7.2



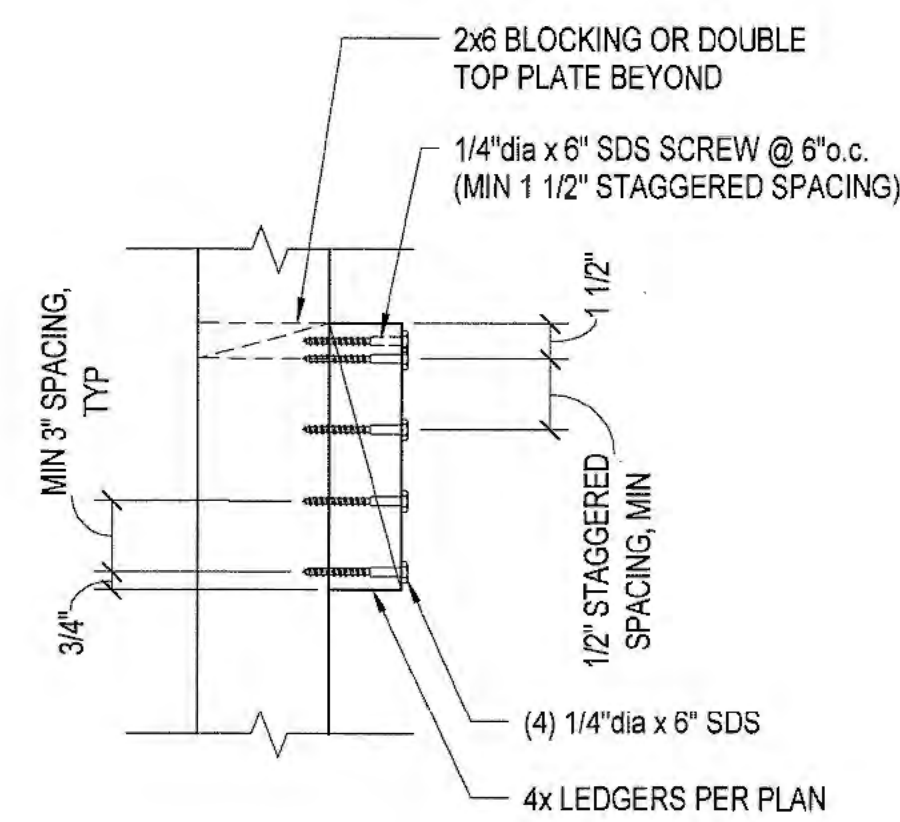
CANTILEVER JOIST AT BEAM 5  
S7.2



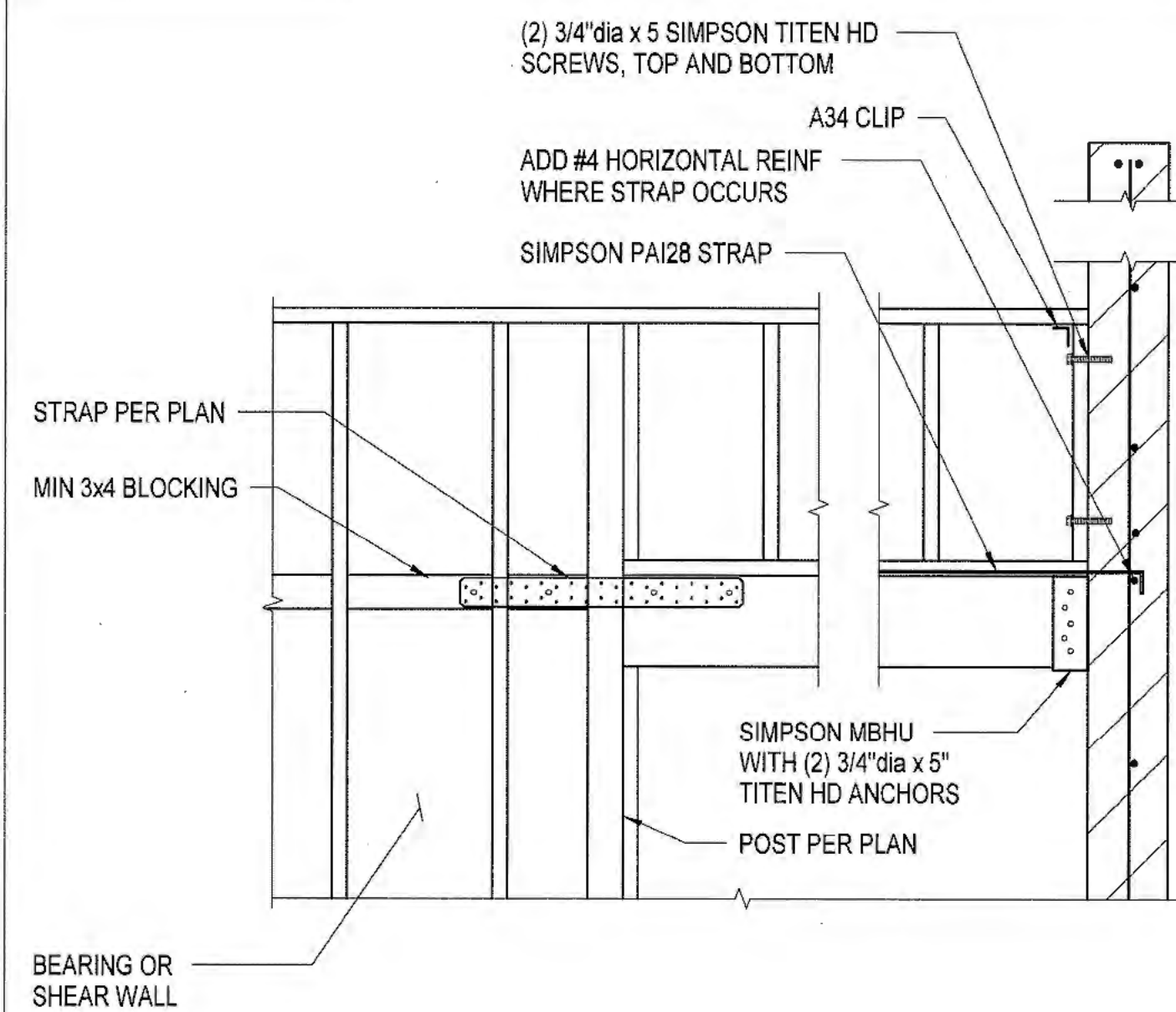
CANTILEVERED PARAPET 2  
S7.2



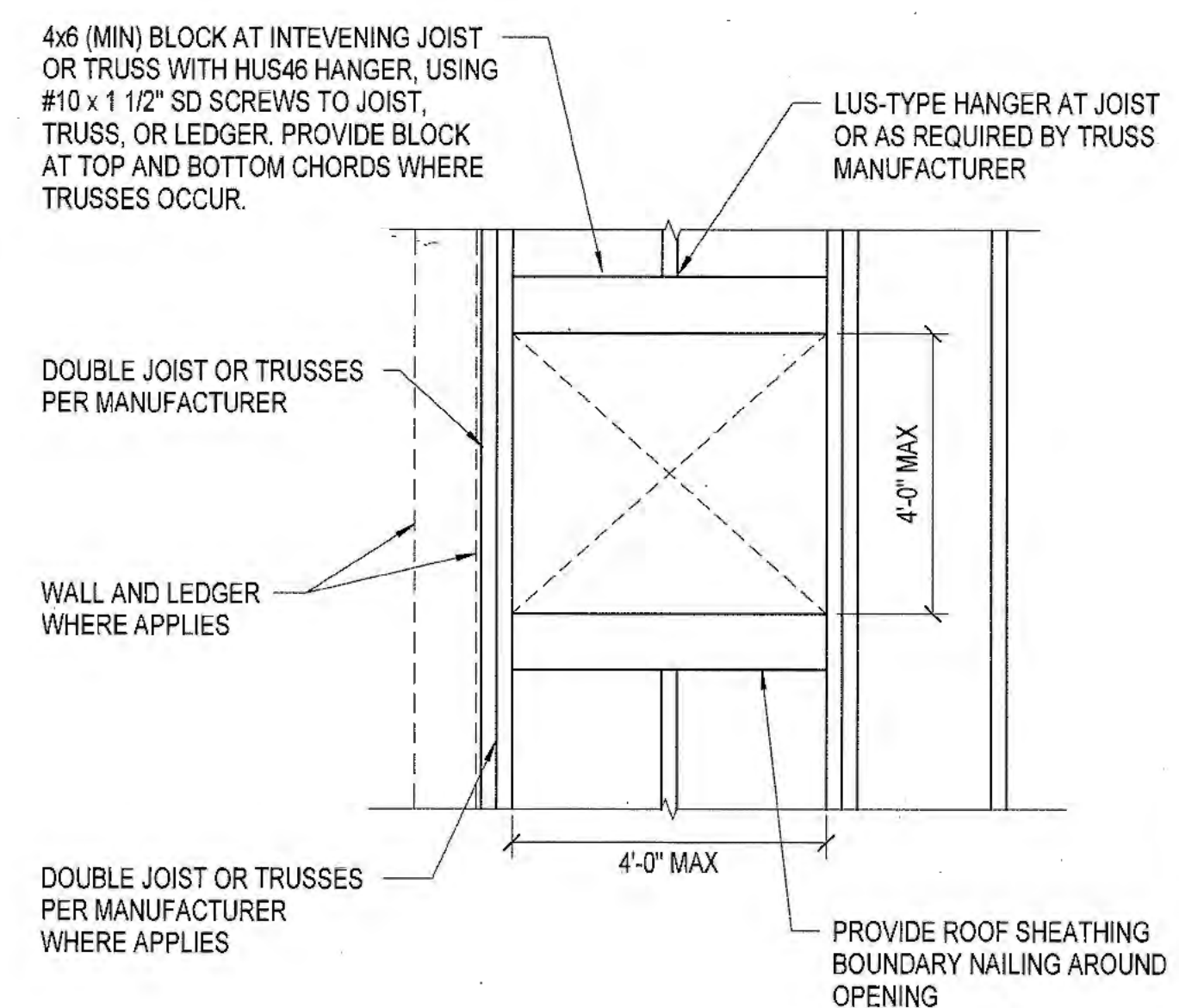
BALLOON FRAMING AT ROOF PARAPET - PERPENDICULAR 12  
S7.2



STUD WALL 4x LEDGER ATTACHMENT 9  
S7.2



WALL OPENING AT MAIN ENTRY 6  
S7.2

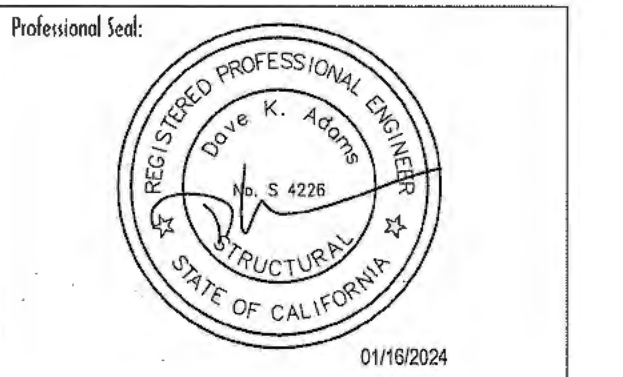


BLOCKOUT FRAMING AT LARGE OPENINGS 3  
S7.2



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Drawing Status:

Contract Document

Revision Summary:


Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Framing Details**

Date: 11/26/23  
Project: 22-102  
Scale: As indicated  
Sheet No:

S7.2

Of # Sheets

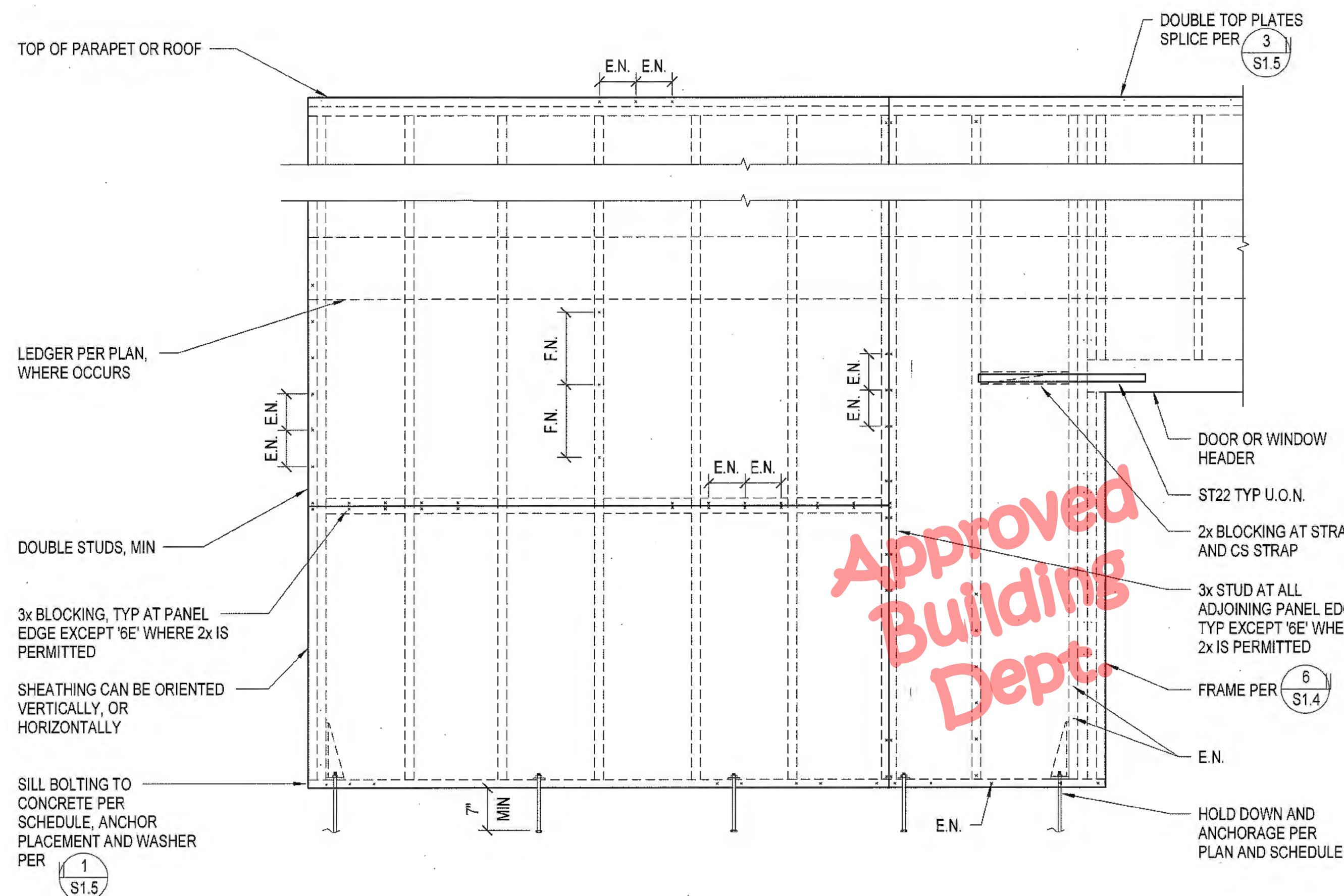
MARK	SHEATHING THICKNESS	GRADE / MATERIAL	NAIL SIZE	E.N. (EDGE NAIL) SPACING	F.N. (FIELD NAILING) SPACING	SILL BOLTS 5/8" dia ANCHORS	V <sub>DES</sub> SHEAR plf	FOOTNOTES	DETAIL
6E	15/32"	STRUCT1 (24/0)	10d	6"	12"	-	340	[F]	
4E	15/32"	STRUCT1 (24/0)	10d	4"	12"	32" o.c.	510	[A]	

**SCHEDULE FOOTNOTES:**

- A. 3x BLOCKING, AND 3x STUDS AT ADJOINING PANEL EDGES.
- B. 3x SILL PLATE.
- C. STAGGER EDGE NAILS WHEN SPACINGS OCCURS @ 3'o.c. OR LESS.
- D. 2" MIN PENETRATION INTO RIM BELOW. PRE-DRILL HOLES AS REQUIRED TO PREVENT SPLITTING. CENTER SDS IN RIM BOARD BELOW.
- E. USE 4x OR 6x BLOCKING AND STAGGER SCREWS.
- F. ONLY FOR SHEAR TRANSFER AT PARAPETS AND ROOF OFFSETS.

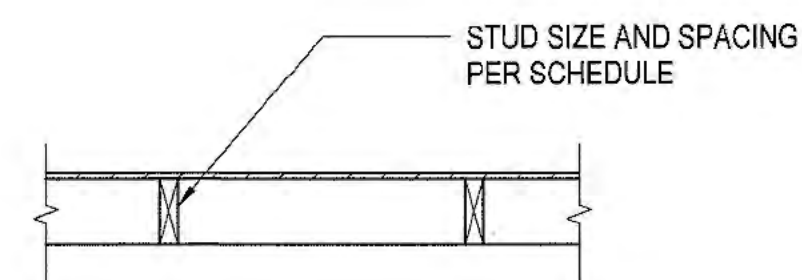
**SHEAR WALL ELEVATION NOTES:**

1. COMMON NAILS ONLY U.O.N.
2. VERIFY FRAMING BELOW FOR SILL NAILS AND LAG BOLTS.
3. FRAMING AT PANEL EDGE TO BE 3" NOMINAL, STAGGER NAILS.
4. PANEL EDGES SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS.
5. STUD SPACING SHALL BE 16" o.c. MAX.
6. USE 5/8" dia HEADED BOLTS AT NEW CONCRETE.
7. WASHERS SHALL BE 3"x3"x1/4" SQUARE STEEL PLATE INSTALLED AT ALL SILL BOLTS.
8. ALL EDGES SHALL BE SUPPORTED ON 2x FRAMING MEMBERS U.O.N.
9. NAIL EDGE DISTANCE SHALL BE 3/8" AT 2x AND 5/8" AT 3x.



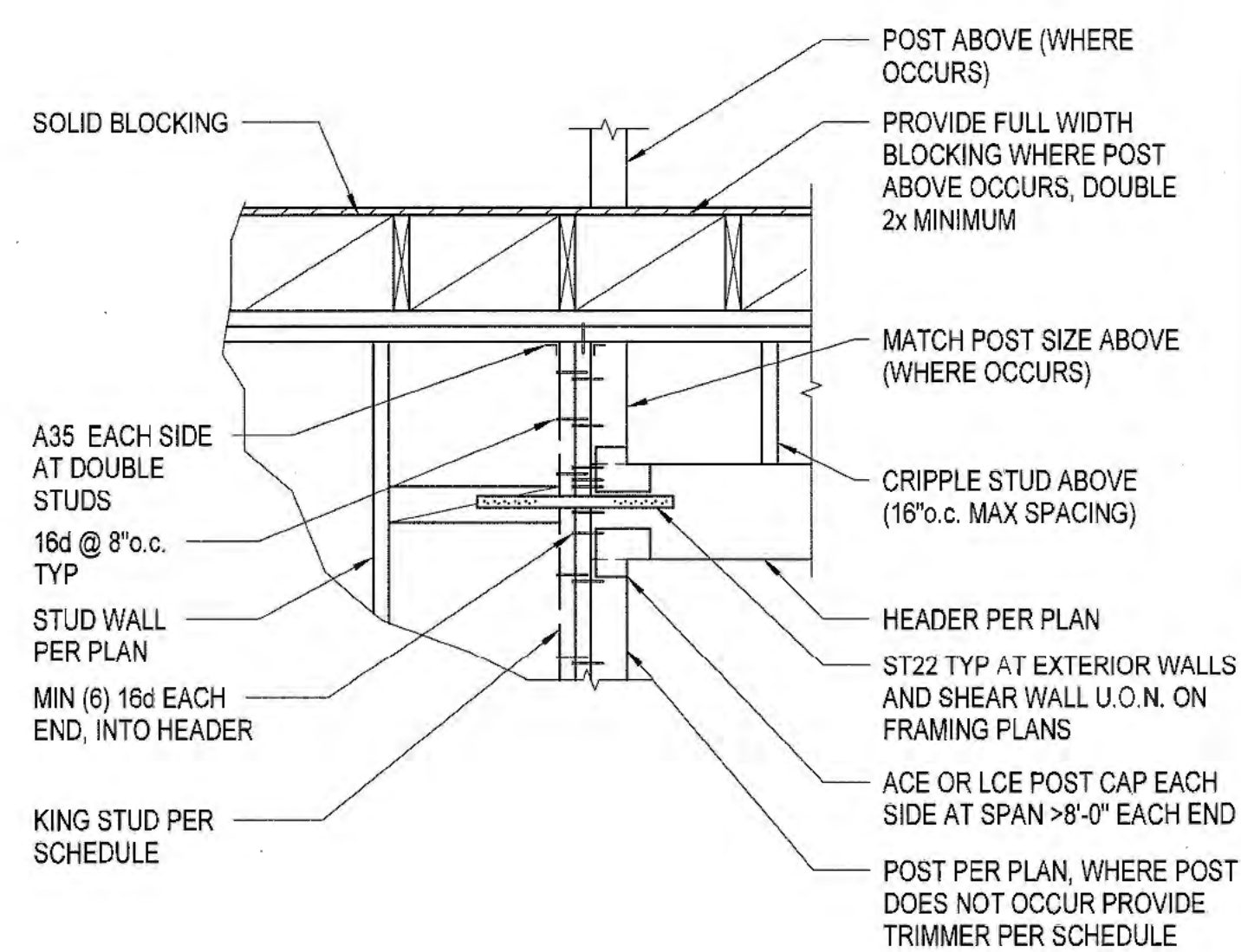
STRUCTURAL PLYWOOD SHEAR WALL SCHEDULE 5 S8.1

STUD WALL SCHEDULE - EXTERIOR WALL				
WALL TYPE	ROOF 'H' MAX	PARAPET 'H' MAX	STUD SIZE	STUD SPACING
STANDARD WALL	13'-0"	-	2x6	16" o.c.
WALL + PARAPET	16'-0"	4'-0"	2x6	16" o.c.
WALL + PARAPET	13'-0"	7'-0"	2x6	12" o.c.
PARAPET WALL	-	7'-0"	2x6	12" o.c.



PLAN VIEW

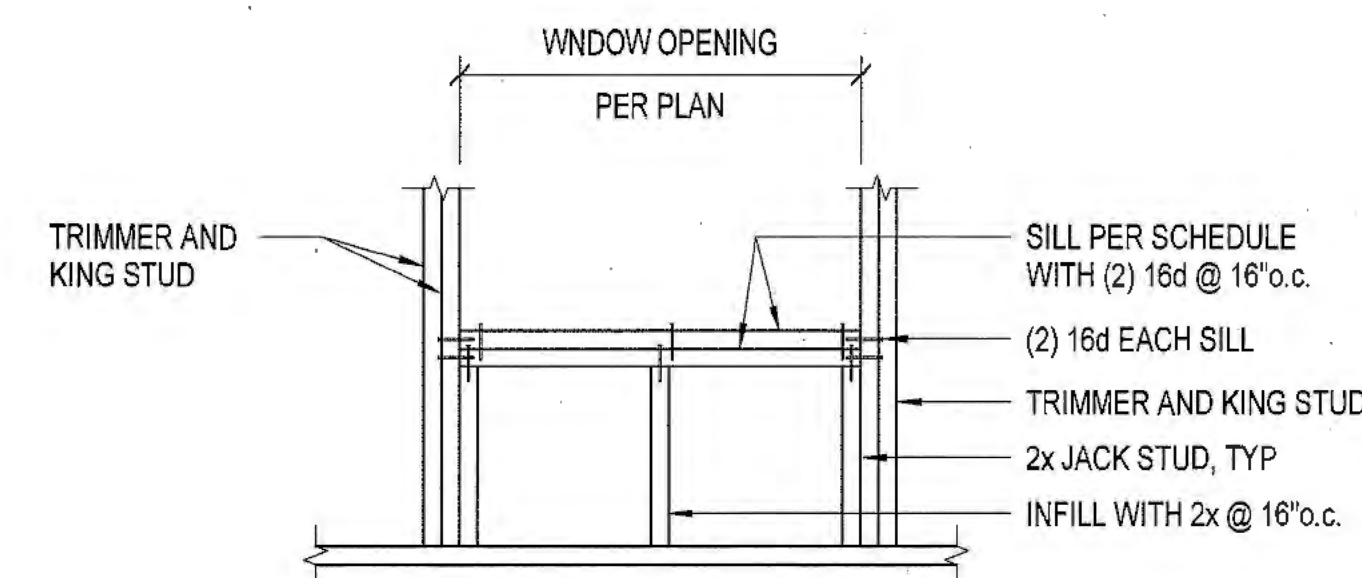
EXTERIOR STUD WALL SCHEDULE 9 S8.1



KING STUD AND TRIMMER SCHEDULE			
HEADER SIZE	KING STUD (MIN)	TRIMMER (MIN)	REMARKS
4x8, 6x8	2x4	(2) 2x4	
4x10, 6x10	(2) 2x4 OR 4x4	4x4	
4x14, 6x14	(2) 2x6	4x4	
4x16, 6x16	(3) 2x6	6x6	

NOTES:  
SIZES DENOTED ARE MINIMUMS AND ARE TO BE USED UNLESS OTHERWISE NOTED PER PLANS.

KING STUD SCHEDULE 3 S8.1



BUILT-UP WINDOW SILL		
MAX SPAN	2x4 WALL	2x6 WALL
3'-0"	2x4	2x6
5'-0"	(2) 2x4	(2) 2x6
8'-0"	(3) 2x4	(2) 2x6
> 8'-0"	SEE PLAN	

WINDOW SILL FRAMING AND SCHEDULE 1 S8.1

**ALL HEADER SIZED SHALL BE (U.O.N.):**

A. TYPICAL BEARING WALL HEADERS U.O.N.:

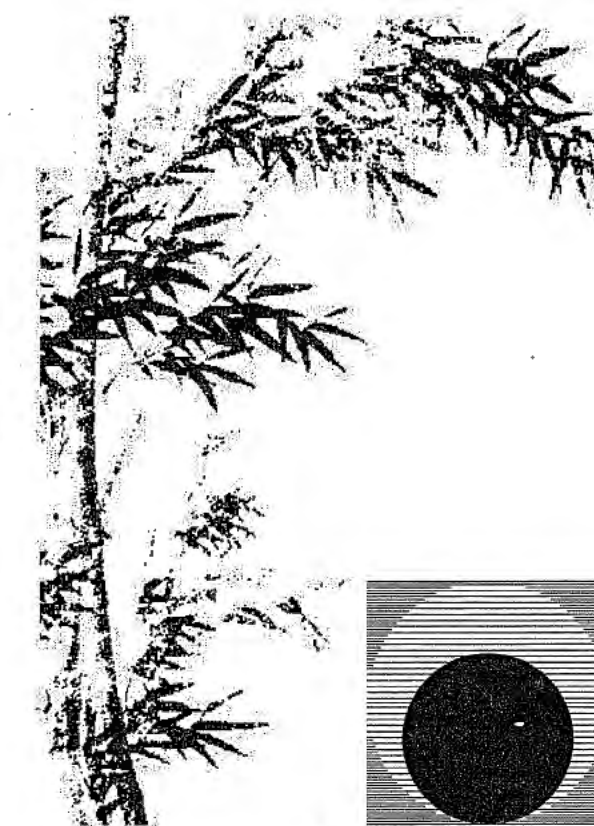
HEADER SIZE		
SIZE x 4 WALL	x 6 WALL	SPAN
4x8	6x8	3' - 0" MAX
4x10	6x10	3' - 1" TO 5' - 0"
4x14	6x14	5' - 1" TO 7' - 0"
4x16	6x14	7' - 1" TO 8' - 0"

\*"HDR" ON PLAN DENOTES LOCATION OF BEARING WALL HEADER.

HEADER SIZE		SPAN
(2) 2x4 FLAT	4x4	0 TO 3' - 0"
4x4	4x4	3' - 1" TO 5' - 0"
4x6	4x6	5' - 1" TO 8' - 0"

B. TYPICAL NON-BEARING WALLS HEADERS U.O.N.:

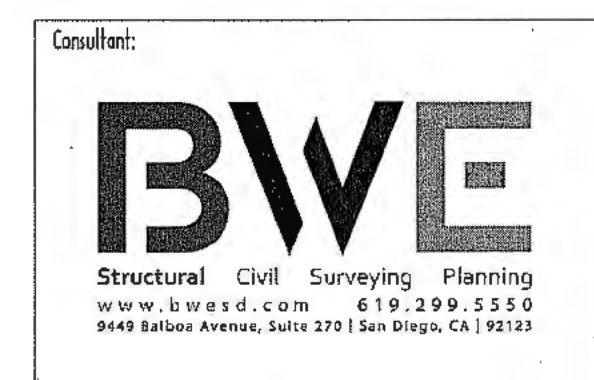
TIMBER HEADER SCHEDULE 2 S8.1



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Drawing Status:

Contract Document

Revision Summary:	

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**Schedules**

Date: 11/26/23  
Project: 22-102  
Scale: 3/4" = 1'-0"  
Sheet No.:

**S8.1**

Of # Sheet:



PLUMBING ABBREVIATIONS			
ABV	ABOVE	HD	HEAD
ADA	AMERICANS WITH DISABILITIES ACT	HP	HORSE POWER
AFF	ABOVE FINISHED FLOOR	HZ	HERTZ
AG	ABOVE GRADE	IE	INVERT ELEVATION
AHJ	AUTHORITY HAVING JURISDICTION	IWC	INCHES OF WATER COLUMN
ALUM	ALUMINUM	KW	KILOWATTS
AMB	AMBIENT	LAV	LAVATORY
AMP	AMPERAGE	LBS	POUNDS
ARCH	ARCHITECT, ARCHITECTURAL	LWV	LEAVING WATER TEMPERATURE
BEL	BELOW	MAX	MAXIMUM
BF	BELOW FLOOR	MBH	1000 BRITISH THERMAL UNITS PER HOUR
BG	BELOW GRADE	MCA	MINIMUM CIRCUIT AMPS
BFP	BACKFLOW PREVENTOR	MECH	MECHANICAL
BLDG	BUILDING	MFR	MANUFACTURE OR MANUFACTURER
BOD	BASIS OF DESIGN	MIN	MINIMUM
BTUH	BRITISH THERMAL UNIT PER HOUR	MU	MAKE-UP
CA	COMBUSTION AIR	(N)	NEW
CD	CONDENSATE DRAIN	NOM	NOMINAL
CFH	CUBIC FEET PER HOUR	NPS	NOMINAL PIPE SIZE
CONN	CONNECTION	NTS	NOT TO SCALE
CONT	CONTINUATION	OPT	OPERATING
CI	CAST IRON	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
CP	CHROME PLATED	PD	PRESSURE DROP
DFU	DRAINAGE FIXTURE UNITS	PH	PHASE
DN	DOWN	PSI	POUNDS PER SQUARE INCH
DSA	DIVISION OF THE STATE ARCHITECT	PW	PROCESS WASTE
(E)	EXISTING	RM	ROOM
EC	EVAPORATIVE COOLER	RPM	REVOLUTIONS PER MINUTE
EFF	EFFICIENCY	SDL	STORM DRAIN LEADER
ELEC	ELECTRICAL	SDO	STORM DRAIN OVERFLOW
EQPT	EQUIPMENT	SHT	SHEET
EWT	ENTERING WATER TEMPERATURE	SOV	SHUT OFF VALVE
FA	FROM ABOVE	SS	STAINLESS STEEL
FC	FLEXIBLE CONNECTION	TEMP	TEMPORARY, TEMPERATURE
FLA	FULL LOAD AMPS	TYP	TYPICAL
FLR	FLOOR	UON	UNLESS OTHERWISE NOTED
FPS	FEET PER SECOND	UTR	UP TO OR UP THROUGH ROOF
FR	FROM	V	VENT
FT	FLUSH TANK	VAC	VACUUM
FV	FLUSH VALVE	VTR	VENT THROUGH ROOF
GA	GAGE OR GAUGE	WC	WATER CLOSET
GALV	GALVANIZED	W	WASTE
GPC	GALLONS PER CYCLE	W	WITH
GPF	GALLONS PER FLUSH	WO	WITHOUT
GPM	GALLONS PER MINUTE	WSFU	WATER SUPPLY FIXTURE UNIT
GYP	GYPSPUM	WT	WEIGHT EXPRESSED IN POUNDS
GW	GREASE WASTE		

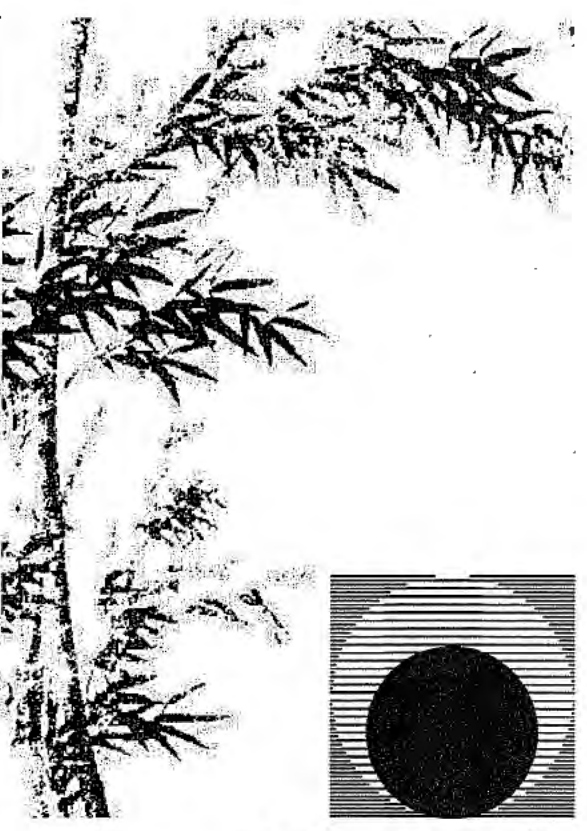
PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	AAV	AUTOMATIC AIR VENT
		BACK FLOW PREVENTOR
		BALL VALVE
		CHECKVALVE
	CP	CIRCULATION PUMP
	COTG	CLEAN OUT THROUGH GRADE
	FCO	FLOOR CLEAN OUT
	GM	GAS METER
	HB	HOSE BIBB
		RECESSED HOSE BIBB
		SHUT OFF VALVE IN PIPE DROP OR PIPE RISER
		STRAINER
	T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
	TPV	TRAP PRIMER VALVE
		UNION
		PIPE DOWN
		PIPE UP
		PIPE TEE DOWN
		PLUG VALVE ELEVATION VIEW
	PV	PLUG VALVE PLAN VIEW
	POC OR POD	POINT OF CONNECTION OR POINT OF DISCONNECT
		REDUCED PRESSURE BACK FLOW PREVENTOR
	WM	WATER METER
	WCO	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTOR
	CW	COLD WATER
	CD	CONDENSATE DRAIN
	G	GAS (NATURAL)
	HW	HOT WATER
	HWR	HOT WATER RETURN
	PCWS	PROCESSED COLD WATER SUPPLY
	V	SANITARY VENT
	SDL	STORM DRAIN LEADER
	SDO	STORM DRAIN OVERFLOW
	TP	TRAP PRIMER
	SAW	WASTE (ABOVE GRADE)
	SW	WASTE (BELOW GRADE)

PLUMBING GENERAL NOTES	
1	COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING CODES: 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC); PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (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 (CEC); PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (CFC); PART 8, TITLE 24 CCR 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN); PART 11, TITLE 24 CCR
2	REPORT DEFICIENCIES WITHIN THIRTY (30) DAYS UPON AUTHORIZATION TO PROCEED. NO PLUMBING SHALL BE INSTALLED UNTIL ALL REQUIRED PLUMBING PLAN CHECK PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REQUIRED AGENCIES.
3	LAVATORY FAUCETS, SINK FAUCETS (NOT INCLUDING SERVICE SINK FAUCETS OR FAUCETS DESIGNATED AS INSTITUTIONAL) SHALL MEET THE FLOW REQUIREMENTS OUTLINED IN THE APPLIANCE EFFICIENCY STANDARDS.
4	COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES AND DRAINS.
5	PROVIDE ALL TRAPS, TRAPS, STOPS, AND SUPPLY PIPES TO LAVATORIES DESIGNED AS ACCESSIBLE, WITH PREFORMED INSULATION JACKET.
6	COORDINATE AND SCHEDULE TIMING FOR ALL UTILITY SERVICE CONNECTIONS.
7	ALL LINES BELOW SLAB ON GRADE TO BE LOCATED AWAY FROM ALL LOAD BEARING FOOTINGS.
8	ALL VENTS THRU ROOF SHALL BE MINIMUM OF 36 INCHES ABOVE AND MECHANICAL VENTILATION AIR INTAKE WITHIN 10 FEET. PROVIDE VANDAL PROOF HOODS ON ALL VENTS THROUGH ROOF. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, ROOFS, FOOTINGS, FLOORS, INCLUDING ALL SAW CUTTING AND CORE DRILLING. COORDINATE ALL SAW CUTTING AND CORE DRILLING WITH STRUCTURAL DRAWINGS. ANY CUTTING AND DRILLING REQUIRED OF STRUCTURAL ELEMENTS THAT IS NOT SPECIFICALLY SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION PRIOR TO CUTTING AND DRILLING. CONTRACTOR SHALL SUBMIT PROPOSED LOCATION AND SIZES OF SUCH CUTTING AND DRILLING FOR THE ARCHITECTS AND STRUCTURAL ENGINEERS APPROVAL.
9	COORDINATE ALL EQUIPMENT LOCATIONS AND EQUIPMENT PAD LOCATIONS WITH STRUCTURAL DRAWING PRIOR TO WORK.
10	COORDINATE INSTALLATION OF ALL EQUIPMENT AND PIPING WITH OTHER TRADES PRIOR TO INSULATION. ENSURE THAT ALL CONTROL DEVICES, SHUT-OFF VALVES, ETC. ARE ACCESSIBLE FOR MAINTENANCE. WHERE ACCESS PANELS IN FINISHED SPACES, OTHER THAN THAT SHOWN, CONTRACTOR SHALL PROVIDE AND COORDINATE EXACT LOCATION OF PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
11	ANY STRUCTURAL FIREPROOFING DAMAGED DURING INSTALLATION OF PLUMBING EQUIPMENT, PIPING, ETC. SHALL BE REPAIRED AT NO COST TO THE OWNER. REPAIRS SHALL BE AS DIRECTED BY THE ARCHITECT.
12	ALL PIPING PASSING THROUGH CONCRETE/MASONRY WALLS AND FLOORS ARE TO BE SLEEVED. NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE PER 2022 CPC 609.10. THE METHOD TO BE FOLLOWED SHALL BE THAT PRESCRIBED BY THE HEALTH AUTHORITY OR, IN CASE NO METHOD IS PRESCRIBED BY IT, THE FOLLOWING: A) THE PIPE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL POTABLE WATER APPEARS AT THE POINTS OF OUTLET. B) THE SYSTEM OR PARTS THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING NOT LESS THAN 50 PARTS PER MILLION OF CHLORINE, AND THE SYSTEM OR PART THEREOF SHALL BE VALVE-OFF AND ALLOWED TO STAND FOR 24 HOURS, OR, THE SYSTEM OR PART THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING NOT LESS THAN 200 PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND FOR 3 HOURS. FOLLOWING THE ALLOWED STANDINGS TIME, THE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL THE CHLORINE RESIDUAL IN THE WATER COMING FROM THE SYSTEM DOES NOT EXCEED THE CHLORINE RESIDUAL IN THE FLUSHING WATER. C) THE PROCEDURE SHALL BE REPEATED WHERE IT IS SHOWN BY BACTERIOLOGICAL EXAMINATION MADE BY AN APPROVED AGENCY THAT CONTAMINATION PERSISTS IN THE SYSTEM.

PLUMBING TITLE 24 NOTES	
1	PROVIDE WATER HEATERS CERTIFIED IN COMPLIANCE WITH CALIFORNIA ENERGY APPLIANCE EFFICIENCY STANDARDS.
2	PROVIDE DOMESTIC HOT WATER PIPING INSULATION IN ACCORDANCE WITH THE CALIFORNIA ENERGY EFFICIENCY STANDARDS.

PLUMBING CAL GREEN NOTES	
1	LAVATORY FAUCETS: 0.5 GPM MAXIMUM.
2	TOILETS: ULTRA LOW FLUSH TYPE (1.28 GPF MAX).
3	SHOWERHEADS SHALL NOT EXCEED 1.5 GPM.

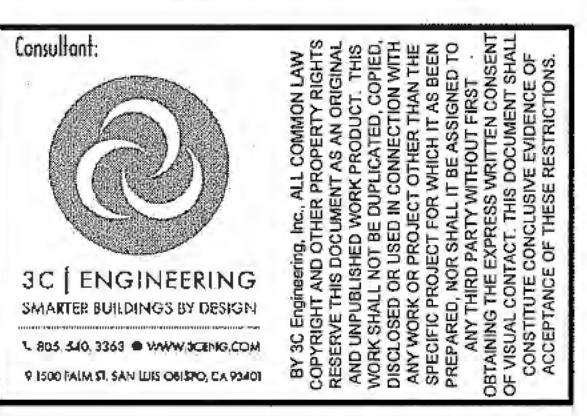
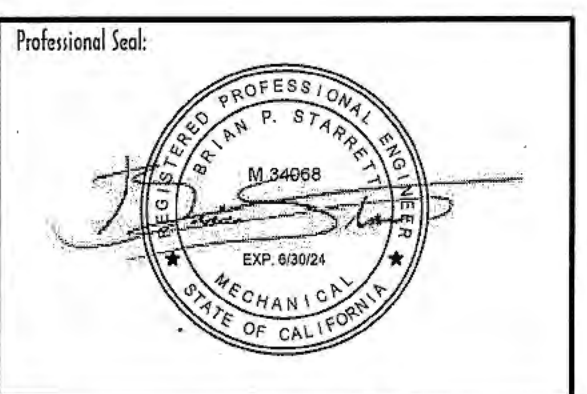
Approved Building Dept.



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Revision Summary:	

Project: **New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

Sheet Description: **PLUMBING GENERAL**

Date: 11/16/23  
Project: 22-102  
Scale: PER PLAN  
Sheet No.: **PO.0**  
Of # Sheets

WATER & SEWER SIZING TABLE									
PIPING SIZED PER 2022 CPC									
DOMESTIC WATER SERVICE									
TOTAL WATER SUPPLY FIXTURE UNITS	FT/FV	GPM	PIPE SIZE (INCHES)	METER SIZE (INCHES)	INCOMING PSI	REGULATED PSI	PSI/100'		
60	FLUSH VALVE	55.0	2	1-1/2	40	NOT REGULATED	5		
MAXIMUM FIXTURE UNITS ALLOWED	PIPE SIZE (INCHES)	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3
FLUSH VALVES (8 FPS MAX.)	0	0	0	5	20	124	329	666	
FLUSH TANK (8 FPS MAX.)	1	7	18	34	66	245	455	719	
HOT WATER (5 FPS MAX.)	1	7	16	28	46	119	245	406	
SEWER LINE									
TOTAL DRAINAGE FIXTURE UNITS	PIPE SIZE REQUIRED (INCHES)	PIPE SIZE PROVIDED (INCHES)	BUILDING DRAIN SLOPE	BUILDING SEWER SLOPE					
50	4	4	2%	SEE CIVIL					

WATER PIPE SIZING CRITERIA CALCULATION		
ELEMENT	PRESSURE (PSI)	PRESSURE (FT H2O)
STATIC PRESSURE IN MAIN	40.0	92.3
LOSS THROUGH METER	6.2	14.3
LOSS THROUGH BACKFLOW PREVENTOR	12.0	27.7
PRESSURE LOSS THROUGH PRV	0.0	0.0
OTHER DOWNSTREAM PRESSURE LOSSES (BOOSTER PUMP)	-70.0	-161.5
PRESSURE LOSS THROUGH ELEVATION HEAD (@0.434 PSI PER FOOT H2O) (IF LOSS IS NEGATIVE, THIS INDICATES FINAL FIXTURE IS LOWER THAN THE MAIN LINE AND THERE IS A GAIN IN PRESSURE)	4.3	10.0
PRESSURE REQUIRED AT FINAL FIXTURE	65.0	149.9
REMAINING PRESSURE FOR FRICTION LOSSES	22.5	51.8
NOMINAL DISTANCE BETWEEN MAIN AND FINAL FIXTURE (FT)	310.0	
TOTAL DEVELOPED LENGTH BETWEEN MAIN AND FINAL FIXTURE (FT) (ACCOUNTING FOR MINOR LOSSES WITH NOMINAL DISTANCE X 1.4)	434.0	
PRESSURE SIZING CRITERIA (PSI LOSS / 100'-0" OF PIPING)	5.2	
PRESSURE SIZING CRITERIA (FT H2O LOSS / 100'-0" OF PIPING)	11.9	
CW VELOCITY SIZING CRITERIA (FT/S)	8.0	
HW VELOCITY SIZING CRITERIA (FT/S)	5.0	
ASSUMED GPM FROM FIXTURE UNIT COUNT	55.0	
DOMESTIC WATER PIPING IS SIZED BASED ON PRESSURE LOSS IN PSI PER 100 FEET OF PIPING. IF THE ALLOWABLE PRESSURE LOSS STATED ABOVE IS GREATER THAN 8 PSI PER 100 FEET OF PIPE, SIZING SHALL BE BASED ON A PRESSURE LOSS OF 8 PSI PER 100 FEET OF PIPE WITH A MAXIMUM VELOCITY OF 8 FEET PER SECOND FOR COLD WATER AND 5 FEET PER SECOND FOR HOT WATER.		

PROJECT TEAM LIST			
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SHEET LIST	
SHEET NUMBER	SHEET TITLE
P0.0	PLUMBING GENERAL
P0.1	PLUMBING SCHEDULES
P0.2	PLUMBING DETAILS
P0.3	PLUMBING DETAILS
P0.4	PLUMBING SITE DETAILS
P1.0	PLUMBING SITE PLAN
P1.1	PLUMBING PARTIAL FLOOR PLAN - WASTE & VENT
P1.2	PLUMBING PARTIAL FLOOR PLAN - WASTE & VENT
P1.3	PLUMBING PARTIAL FLOOR PLAN - WATER & GAS
P1.4	PLUMBING PARTIAL FLOOR PLAN - WATER & GAS
P2.1	PLUMBING ROOF PLAN

### GAS STORAGE WATER HEATER SCHEDULE

TAG	MAKE	MODEL	CAPACITY		DIMENSIONS Ø X HEIGHT	AIR INTAKE / FLUE EXHAUST CONNECTION SIZE (INCHES)	FUEL		THERMAL EFFICIENCY	SET TEMP °F	INSTALLATION LOCATION	VENT TYPE	ELECTRICAL DATA			OPTIONAL KITS			OPERATING WEIGHT (LBS)	NOTES (SEE BELOW)	INSTALLATION DETAIL
			STORAGE GALLONS	RECOVERY AT TEMP RISE 60°F, 80°F, 100°F GPH			TYPE	CFH					POWER V/PHZ	AMPS	MOCPP	LOW PROFILE SIDEWALL VENT KIT	CONCENTRIC VENT KIT	CONDENSATE NEUTRALIZER KIT			
WH-1	AO SMITH	BTH-199(A)	100	392, 294, 214	27-3/4" x 76-1/2"	3 / 3	NG	199.9	97%	120	MECHANICAL /24	POWER DIRECT VENT	120/1/60	5.0	15	NA	YES	YES	1390	1, 2	5/P0.2

NOTES: 1. PROVIDE WITH DURAVENT POLYPRO COMBUSTION AIR INTAKE AND FLUE DISCHARGE PIPING.  
2. UNIT IS SENSITIVE TO ELECTRICAL NOISE. PROVIDE DEDICATED 120V CIRCUIT. UNIT CANNOT BE CONNECTED TO A CIRCUIT WITH A GFCI OR AFCI.

### BOOSTER PUMP SCHEDULE

TAG	MAKE	MODEL	MATERIAL	PUMP				TOTAL FEET OF HEAD	SUCTION (PSI)	BOOST (PSI)	SET (PSI)	ELECTRICAL DATA			REMARKS SEE BELOW	INSTALLATION DETAIL
				QTY	HP	RPM	GPM					V/PHZ	AMPS	MOCPP		
BP-1	QUANTUMFLO	GENIUS DUPLEX QVD_8/3	STAINLESS STEEL	2	1.5	3460	27.5	106.61	24	46.15	65.15	208/3/60	11.2	30	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	SEE DETAIL 7/P0.3

NOTES: 1. NET BOOST PRESSURE IS CALCULATED BY SYSTEM SET PRESSURE MINUS SUCTION PRESSURE LESS SYSTEM LOSSES OF 5 PSI.  
2. SYSTEM SUBMITTALS SHALL INCLUDE CERTIFICATE NUMBER FOR NSF61 CERTIFICATION, UL508A AND QC2J 3RD PARTY COMPLIANCE.  
3. SYSTEM CONTROLS MUST COMPLY WITH AND PROVIDE FOR EITHER CONTROL LOGIC OR REMOTE SENSOR IN ACCORDANCE WITH ANSI/ASHRAE/IES STANDARD 90.1 ENERGY STANDARD.  
4. PROVIDE 5-YEAR WARRANTY ON COMPLETE SYSTEM AND INCLUDE WARRANTY CERTIFICATE WITH DETAILS IN SUBMITTALS.  
5. SYSTEM SHALL BE PRE-SET BY THE FACTORY TO SYSTEM SITE CONDITIONS BY SIMULATING SUCTION PRESSURE. HYDROSTATIC-ONLY TESTING IS NOT ACCEPTABLE.  
6. THE INDUSTRIAL CONTROLLER SHALL BE IN COMPLIANCE WITH CURRENT NEC, SECTION 408.110 HAVING A MAXIMUM 100K AVAILABLE FAULT CURRENT.  
7. SCOR RATINGS MUST BE INCLUSIVE OF ALL COMPONENTS WITHIN THE ENCLOSURE WITHOUT THE NEED TO PROVIDE ADDITIONAL UPSTREAM PROTECTION.  
8. EQUAL SYSTEMS MUST SHOW MATHEMATICAL ANALYSIS PROVING THAT THE ALTERNATE SUPPLIER MEETS OR EXCEEDS THE KW CAPACITY LISTED.  
9. PROVIDE THE FOLLOWING OPTIONS: GENERAL ALARM DRY CONTACT RELAY; TEFC MOTORS; MONITORS: SENSOR FAIL, LOW SUCTION/LEVEL & HIGH SYSTEM AND VFD FAULTS, VIBRATION ISOLATION KIT  
10. REPRESENTATIVE: SPECIFICATION SALES. PHONE: 909-594-7088  
11. BASED ON PROJECT: TULARE COUNTY SHERIFF - MORGUE BUILDING (033189)

### CIRCULATION PUMP SCHEDULE

TAG	MAKE	MODEL	MOTOR TYPE	GPM	FEET OF HEAD	INLET WATER TEMP °F	ELECTRICAL DATA		OPERATING WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL
							POWER V/PHZ	WATTS			
CP-1	BELL & GOSSETT	E3-4V/BUPRC	ECM	3	3	110	120/1/60	11	4	1, 2	NA

GENERAL NOTES APPLICABLE TO ALL UNITS:  
A. DISCONNECT PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.  
UNIT SPECIFIC NOTES:  
1. PROVIDE WITH E3 TIMER KIT.  
2. 120 VOLT RECEPTACLE PROVIDED BY ELECTRICAL CONTRACTOR. CONTRACTOR SHALL REVIEW OWNERS MANUAL OF EQUIPMENT PRIOR TO INSTALLATION OF RECEPTACLE FOR PROPER OUTLET RATING.

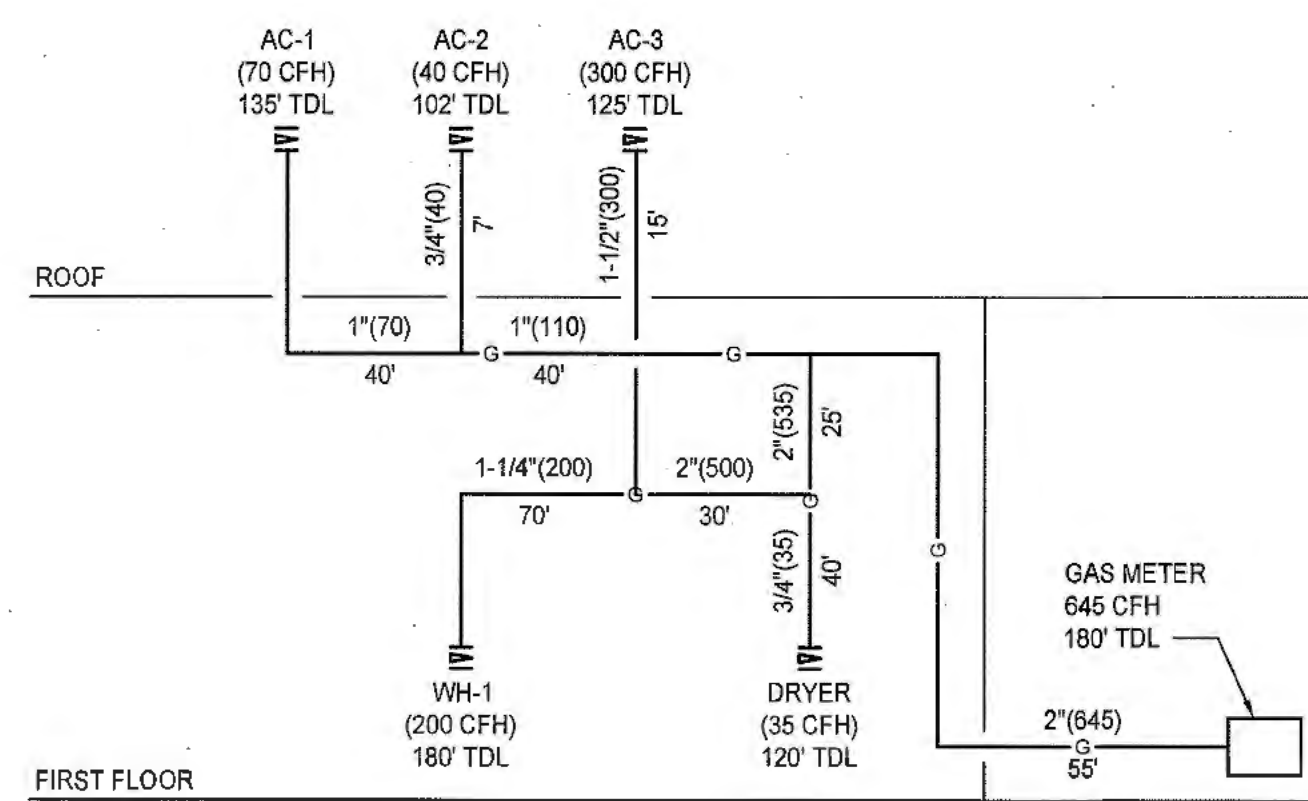
### COMMERCIAL PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	BRANCH SIZE					REMARKS
		W	V	CW	HW	ELECTRICAL	
AD-1	AREA DRAIN	2"	1-1/2"	NA	NA	NA	WATTS #FD-330-1-7, 8" X 8", SQUARE ADJUSTABLE TOP WITH HEEL PROOF DUCTILE IRON GRATE AND NO-HUB OUTLET. PROVIDE WITH VANDAL PROOF SCREWS AND TRAP PRIMER CONNECTION PER DETAIL 3/P0.2
FD-1	FLOOR DRAIN	2"	1-1/2"	NA	NA	NA	WATTS #FD-100-A-2-NH-A5-8-7, 5", CAST IRON W/ROUND BRONZE STRAINER. PROVIDE WITH VANDAL PROOF SCREWS, HEEL PROOF STRAINER AND TRAP PRIMER CONNECTION. SEE DETAIL 3/P0.2 FOR TRAP PRIMER INFORMATION.
FS-1	FLOOR SINK	2"	1-1/2"	NA	NA	NA	WATTS #FS-730-2-NH-150, 12"X12"X6-1/4" ENAMELED CAST IRON WHALF GRATE AND DOME STRAINER.
GDB-1	GAS OUTLET BOX	NA	NA	NA	NA	NA	OATEY #37561 8-1/4"X8-1/4"X3-3/8" RECESSED IN WALL PLASTIC BOX W/BRASS VALVE
HB-1	HOSE BIBB	NA	NA	3/4"	NA	NA	RECESSED, WOODFORD #MB224-3/4-PC, POLISHED CHROME PLATED BRASS WITH VACUUM BREAKER. PROVIDE W/LOOSE TEE KEY
HB-2	HOSE BIBB	NA	NA	1"	NA	NA	ROOF MOUNTED, WOODFORD #RH72-MS, FREEZE-LESS W/ VACUUM BREAKER.
HB-3	HOSE BIBB	NA	NA	3/4"	NA	NA	WALL MOUNT, WOODFORD #24-3/4-PC, POLISHED CHROME BRASS WITH VACUUM BREAKER. PROVIDE W/LOOSE TEE KEY
IMS-1	ICE MAKER SUPPLY	NA	NA	1/2"	NA	NA	OATEY #37687, 6"X6"X3-3/8" PLASTIC BOX RECESSED IN WALL W/BRASS QUARTER TURN VALVE. PROVIDE WITH WATER HAMMER ARRESTOR.
LAV-1	LAVATORY - ADA	2"	1-1/2"	1/2"	1/2"	BATTERY	WALL MOUNT ZURN #Z5344, 20"X18" VITREOUS CHINA, WHITE. SLOAN FAUCET #EBF-85, 0.35 GPM, SENSOR OPERATED, WITH STOPS, SUPPLIES & C.P. BRASS "P" TRAP. COORDINATE FAUCET AND SOAP DISPENSER HOLES WITH ARCHITECT. INSTALL PER ADA REQUIREMENTS AND PROVIDE POINT OF USE THERMOSTATIC MIXING VALVE LIMITING OUTLET TEMPERATURE TO 110°F. WATTS MINIMIXING OR APPROVED EQUAL. SEE DETAIL 6/P0.3 FOR MORE INFORMATION.
LSB-1	LAUNDRY SUPPLY BOX	2"	1-1/2"	3/4"	3/4"	NA	RECESSED IN WALL W/CONDENSATE DRAIN. OATEY #37609, 5-1/4" X 11" X 3-1/2" PLASTIC BOX W/BRASS VALVES. PROVIDE WITH WATER HAMMER ARRESTORS
MSK-1	MOP SINK	3"	2"	3/4"	3/4"	NA	FLOOR MOUNTED, ZURN #Z5850-D3, 28"X28"X13", TERRAZZO, CORNER PLACEMENT, WITH T&S BRASS FAUCET #B-0885-6STP-663, PROVIDE WITH VACUUM BREAKER, DRAIN, RIM GUARD, HOSE, MOP HANGER AND WALL GUARDS
RD-1	COMBO ROOF OVERFLOW DRAIN	3"	NA	NA	NA	NA	FLUSH MOUNTED, WATTS #RD-700-F-W2, 21" X 13-1/8" W X 5-1/8" H (ABOVE ROOF). CAST IRON BODY WITH DUCTILE IRON DOME AND NO HUB CONNECTIONS. OVERFLOW PROVIDED WITH 2" WATER DAM.
S-1	SINK	2"	1-1/2"	1/2"	1/2"	NA	COUNTER MOUNTED, ELKAY #CDKR2517C, 25"D X 17"W X 6-7/8"D, 20 GA. 304 STAINLESS STEEL, SINGLE BASIN, REAR CENTER DRAIN, ELKAY FAUCET #LKD208519LC, 1.5 GPM. PROVIDE WITH ELKAY BUBBLER #LK1141A, & ELKAY DRAIN #LK35. INSTALL PER ADA REQUIREMENTS.
S-2	SINK - 2 COMP	2"	1-1/2"	1/2"	1/2"	NA	FREE STANDING, ADVANCED TABCO #94-2-36-18RL, 14 GA. 304 STAINLESS STEEL, DOUBLE BOWL WITH RIGHT AND LEFT DRAIN BOARD, T&S BRASS #B-0133-12-CR-B, STAINLESS STEEL, 1.15 GPM. PROVIDE STOPS, SUPPLIES, AND BRASS "P" TRAP.
S-3	SINK	2"	1-1/2"	1/2"	1/2"	NA	FREE STANDING, ADVANCED TABCO #94-1-24-36L, 14 GA. 304 STAINLESS STEEL, SINGLE BOWL WITH LEFT DRAIN BOARD, T&S BRASS #SMPF-8WLN-06, STAINLESS STEEL, 1.15 GPM. PROVIDE STOPS, SUPPLIES, AND BRASS "P" TRAP.
SH-1	SHOWER - ADA	2"	1-1/2"	1/2"	1/2"	NA	SOLID SURFACE, SWANSTONE PAN AND ENCLOSURE WITH WATTS FLOOR DRAIN AND POWERS #P905HH10KYW. INCLUDED SHALL BE A PRESSURE BALANCING VALVE, 1.5GPM SWIVEL SHOWERHEAD, ARM & FLANGE, 1.5GPM HAND SHOWER WITH WALL HOOKS, DIVERTER AND INLINE VACUUM BREAKER WITH MAXIMUM 1.5 GPM SHOWER HEAD. INSTALL PER ADA REQUIREMENTS. SEE DETAIL 6/P0.2 FOR MORE INFORMATION
TD-1	TRENCH DRAIN	3"	2"	NA	NA	NA	WATTS DEAD LEVEL D PRE-SLOPED TRENCH DRAIN SYSTEM WITH STAINLESS STEEL FRAME, UV STABILIZED GLASS-FILLED POLYPROPYLENE CHANNELS WITH INTEGRAL 4" NO HUB BOTTOM OR END OUTLETS, AND STAINLESS STEEL GRATING TO SUIT DIN CLASS "A" LOAD RATING. SYSTEM SHALL BE FRAME-ANCHORED, AND INCLUDE ENDCAPS, FRAME CONNECTORS, GRATE LOCKDOWNS, AND CONSTRUCTION COVERS. ADDITIONAL SYSTEM INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. SEE DETAIL 6/P0.2 FOR MORE INFORMATION
WC-1	WATER CLOSET - ADA	3"	2"	1-1/4"	NA	BATTERY	FLOOR MOUNTED, SLOAN #WETS-2021.1201, ELONGATED, SENSOR OPERATED, 26-3/4"X14"X17" RIM, VITREOUS CHINA, WHITE. PROVIDE WITH SLOAN FLUSH VALVE #8111-1-1-OR, 1.1 GPF AND BEMIS OPEN FRONT SEAT #1955SSCT-000. INSTALL PER ADA REQUIREMENTS, LOCATE HANDLE ON WIDE SIDE OF FIXTURE
WC-2	WATER CLOSET	3"	2"	1-1/4"	NA	BATTERY	FLOOR MOUNTED, SLOAN #WETS-2001.1201, ELONGATED, SENSOR OPERATED, 26-3/4"X14"X15" RIM, VITREOUS CHINA, WHITE. PROVIDE WITH SLOAN FLUSH VALVE #8111-1-1-OR, 1.1 GPF AND BEMIS OPEN FRONT SEAT #1955SSCT-000. INSTALL PER ADA REQUIREMENTS, LOCATE HANDLE ON WIDE SIDE OF FIXTURE

1. FLOW RATES GIVEN ARE THE MAXIMUM RATES PER THE CALGREEN CODE. BRANCH SIZES GIVEN ARE THE MINIMUM REQUIRED PIPE SIZES UNLESS NOTED OTHERWISE.

### LOW PRESSURE NATURAL GAS SIZING

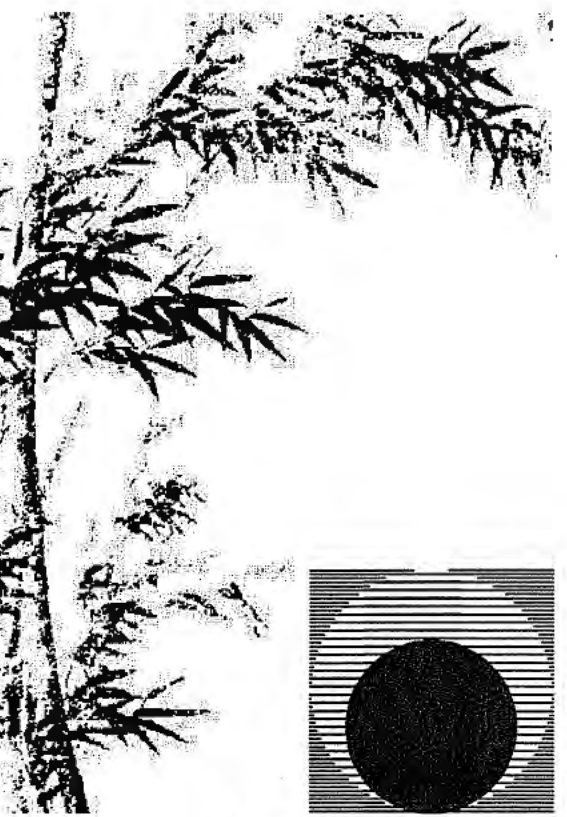
SYSTEM	QUANTITY	CFH	TOTAL CFH
WATER HEATER	1	200	200
DRYER	1	35	35
AC-1	1	70	70
AC-2	1	40	40
AC-3	1	300	300
<b>TOTAL</b>			<b>645</b>
FUEL TYPE			NATURAL GAS
DISTANCE FROM REGULATOR TO FURTHEST APPLIANCE (FT)			180
INLET PRESSURE (PSI)			< 2
PRESSURE DROP (IN. W.C.)			0.5
PIPE SIZE REQUIRED (INCHES)			2"
PIPE SIZE PROVIDED (INCHES)			2"
SIZED IN ACCORDANCE WITH 2022 CPC TABLE 1215.2(1)			



NOTES:  
1. CONNECT TO INDIVIDUAL UNITS PER MANUFACTURER SIZING RECOMMENDATIONS.  
2. EACH CONNECTION TO EQUIPMENT SHALL BE PROVIDED WITH A MINIMUM 6" SEDIMENT TRAP LOCATED IMMEDIATELY AFTER THE SHUT OFF VALVE.

### A GAS DIAGRAM

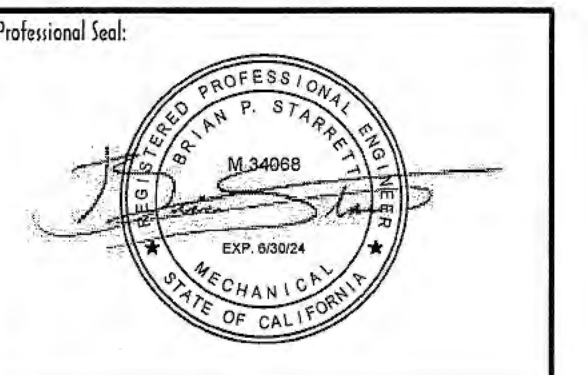
SCALE: NOT TO SCALE



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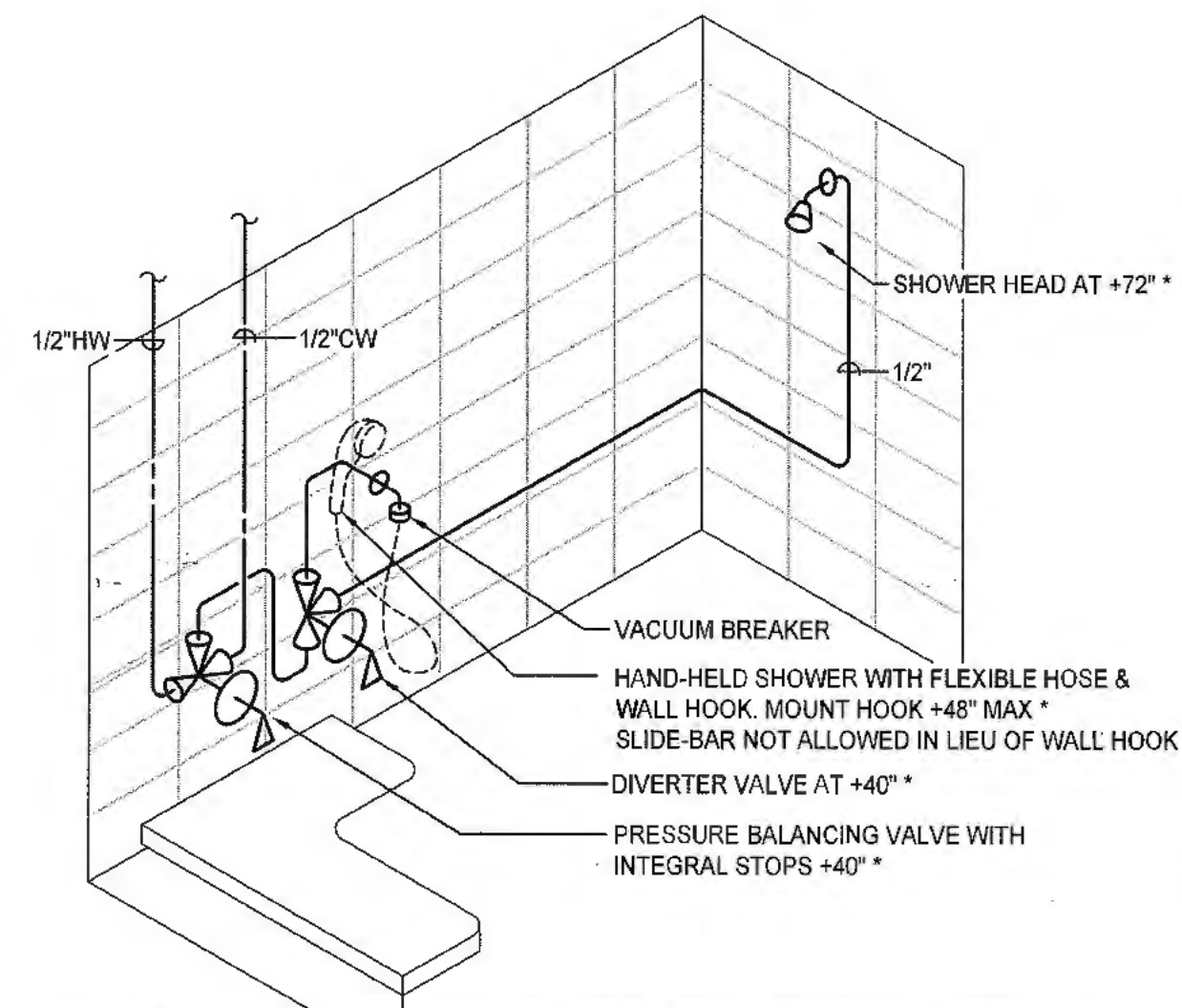
Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**PLUMBING SCHEDULES**

Date: 11/16/23  
Project: 22-102  
Scale: PER PLAN  
Sheet No.:

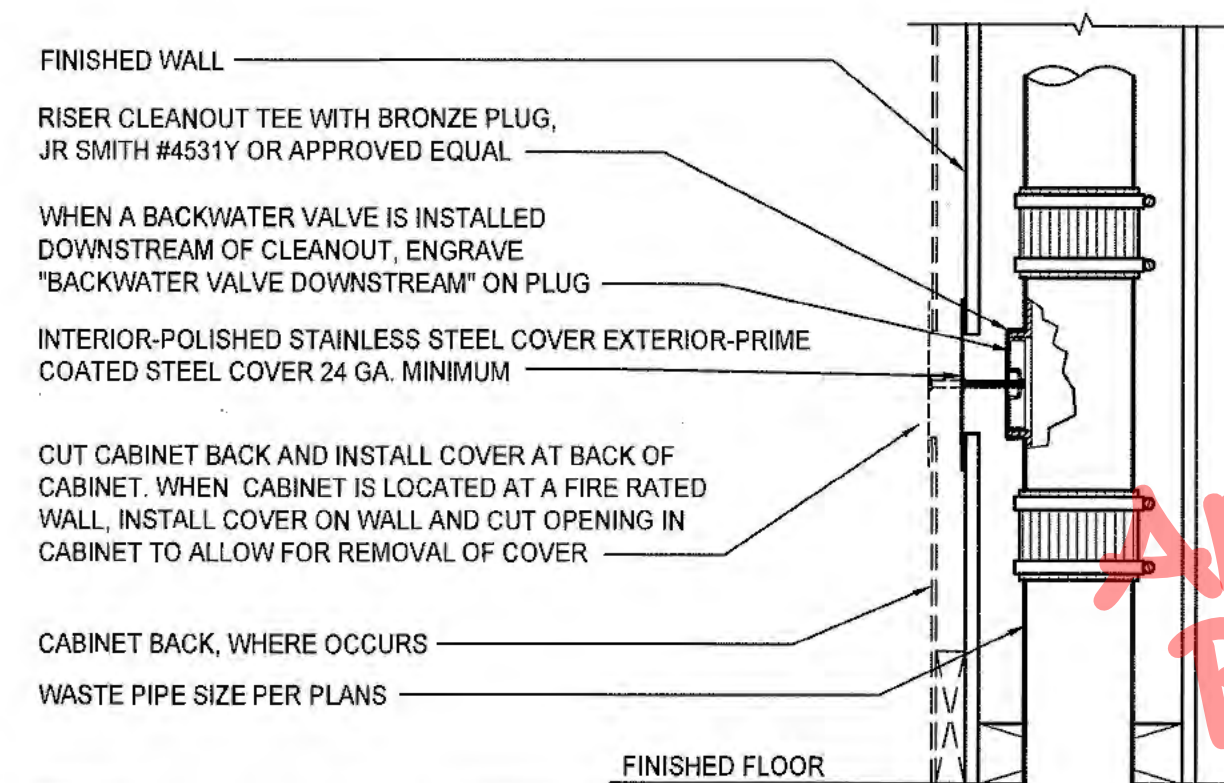
**P0.1**

Of # Sheets



\*NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR ADA AND GRAB BAR MOUNTING LOCATION AND REQUIREMENTS. DIMENSIONS ON ARCHITECTURAL PLANS SHALL TAKE PRECEDENCE

6 ADA SHOWER  
NTS

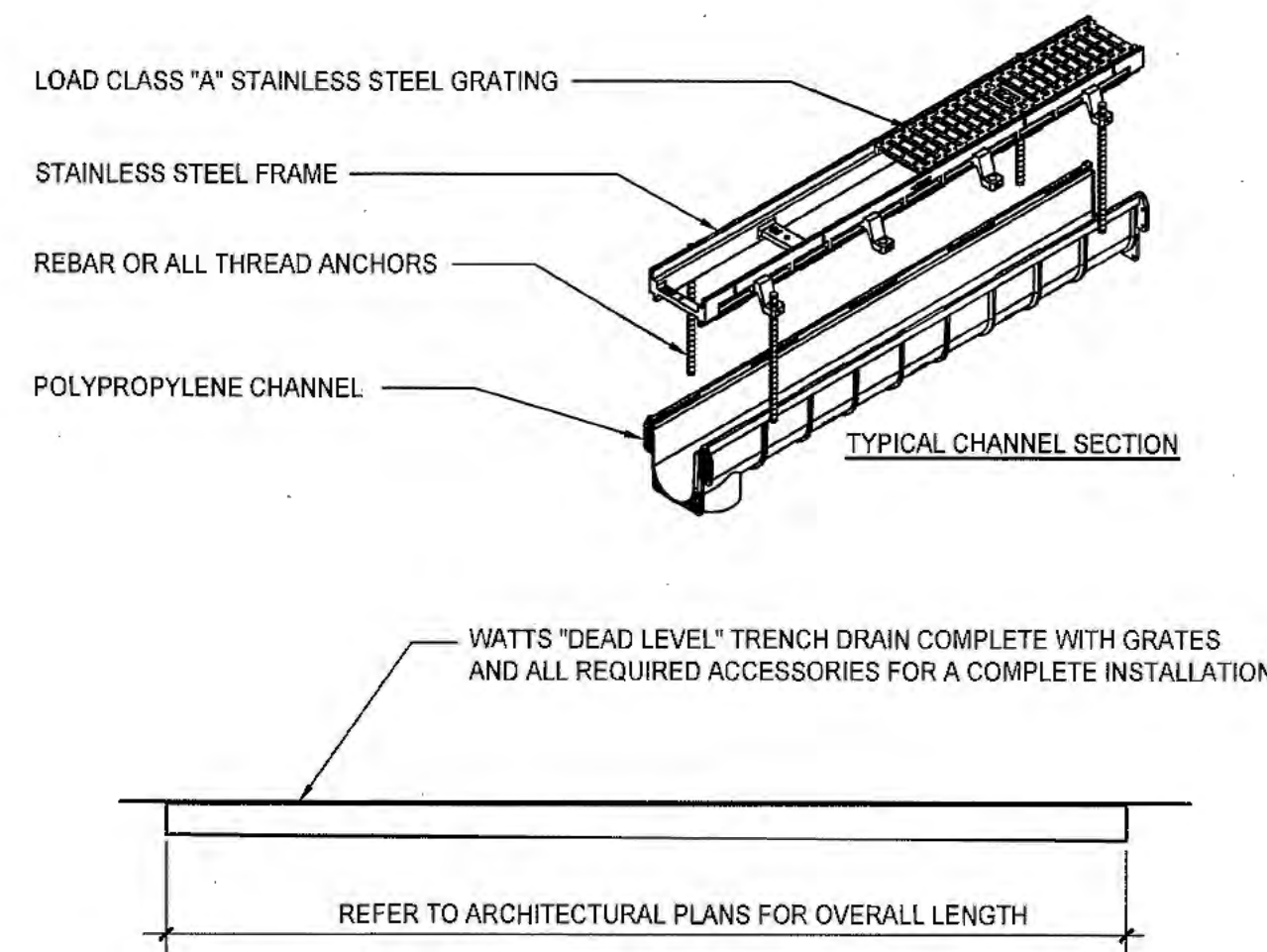


CLEANOUTS IN PIPING 2" OR LESS SHALL HAVE A CLEARANCE OF NOT LESS THAN 18" X 18" IN FRONT OF THE CLEANOUT. CLEANOUTS IN PIPING LARGER THAN 2" INCHES SHALL HAVE A CLEARANCE OF NOT LESS THAN 24" X 24".

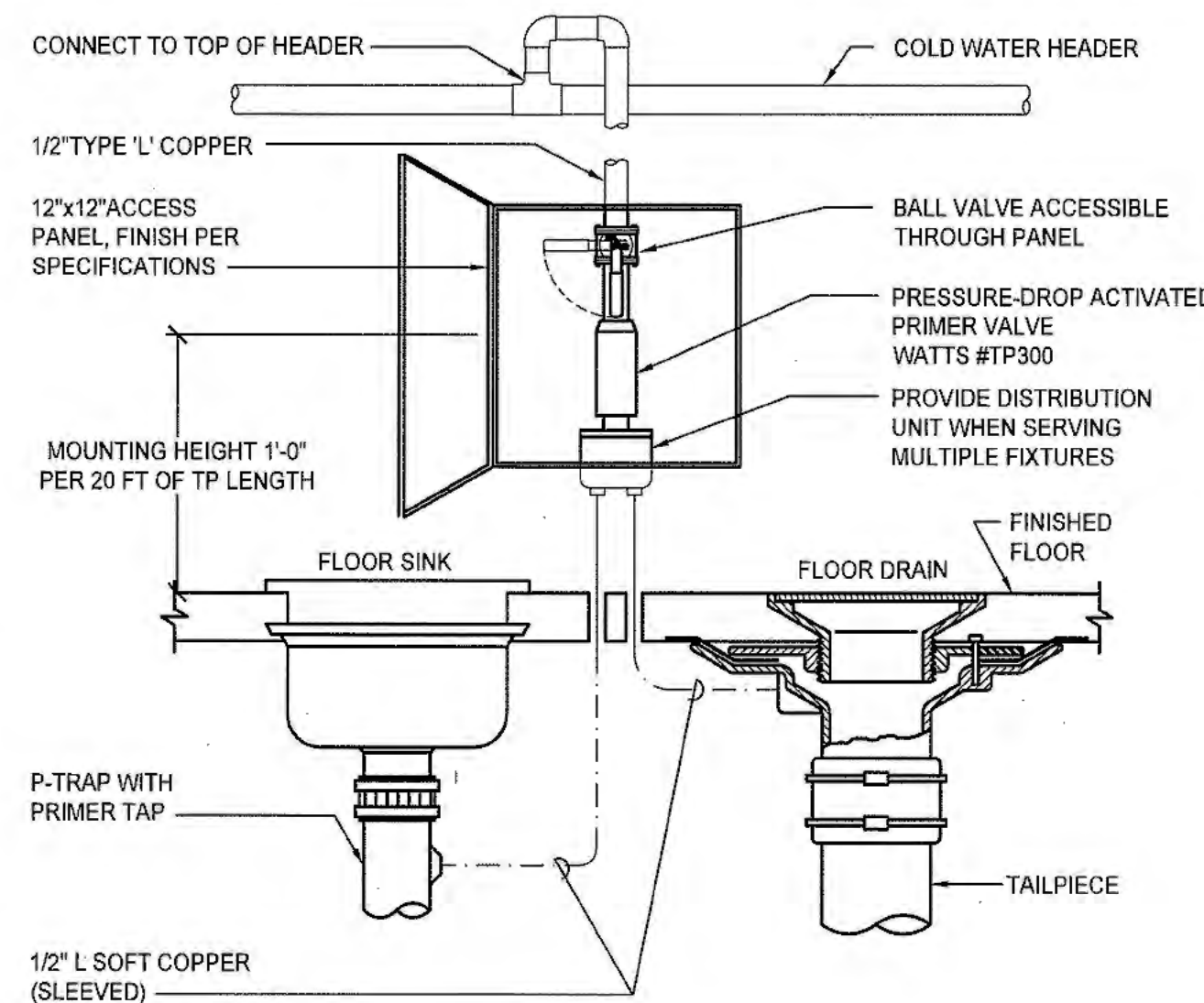
CLEANOUTS: CPC TABLE 707.1

PIPE SIZE	CLEANOUT SIZE	THREADS (PER INCH)
1-1/2" - 2"	1-1/2"	11-1/2
2-1/2" - 3"	2-1/2"	8
4" & LARGER	3-1/2"	8

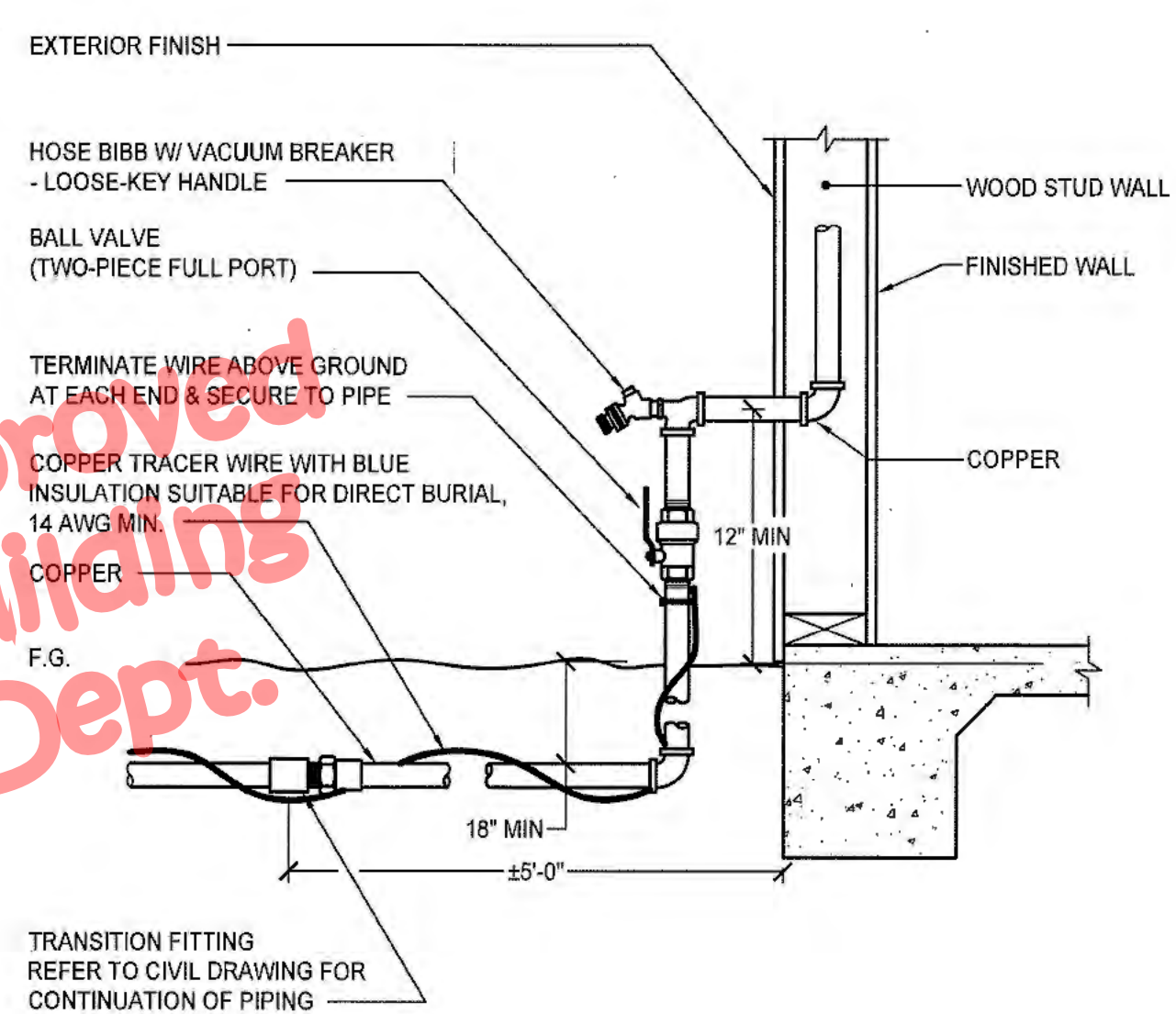
7 WALL CLEANOUT  
NTS



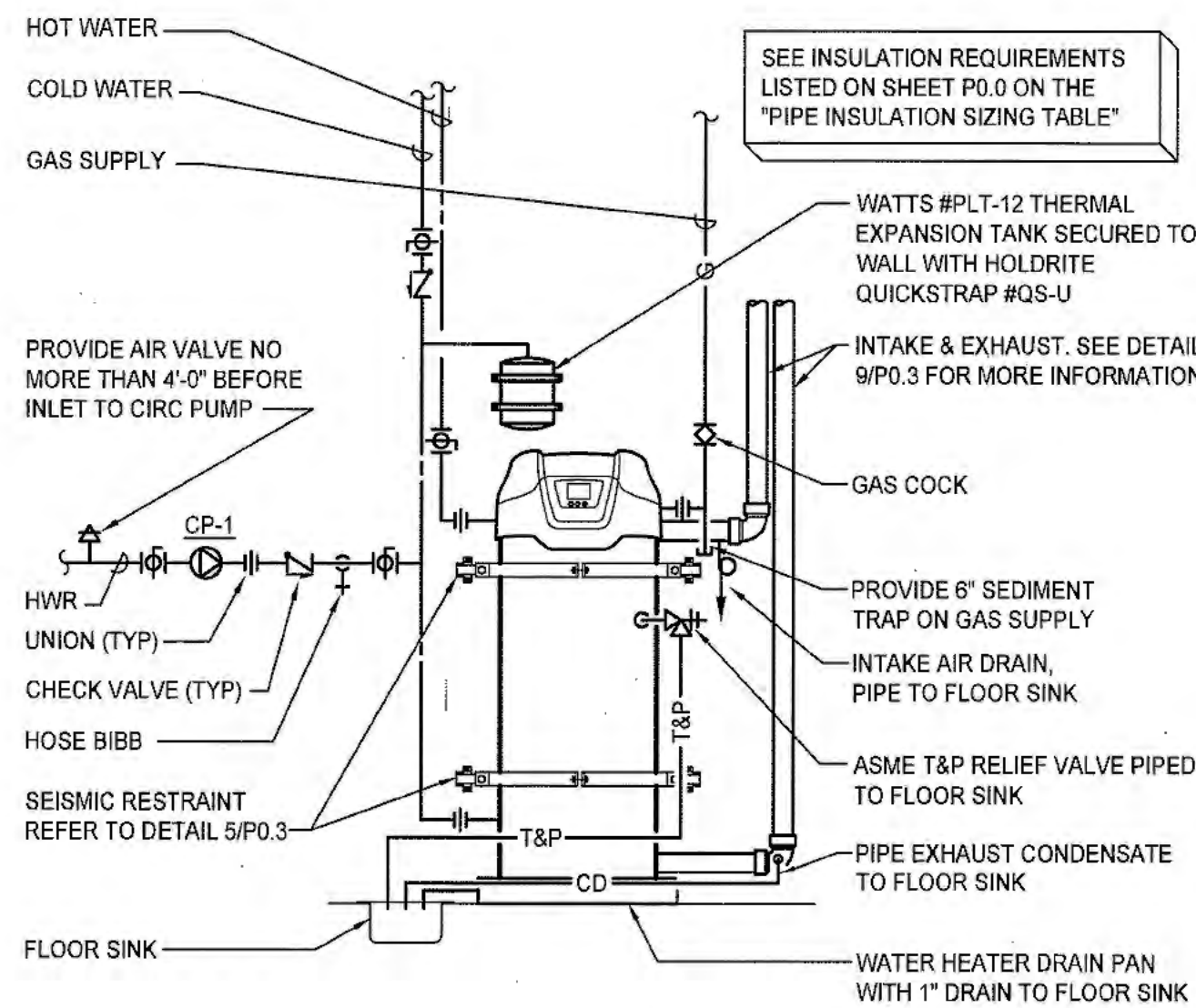
8 TRENCH DRAIN  
NTS



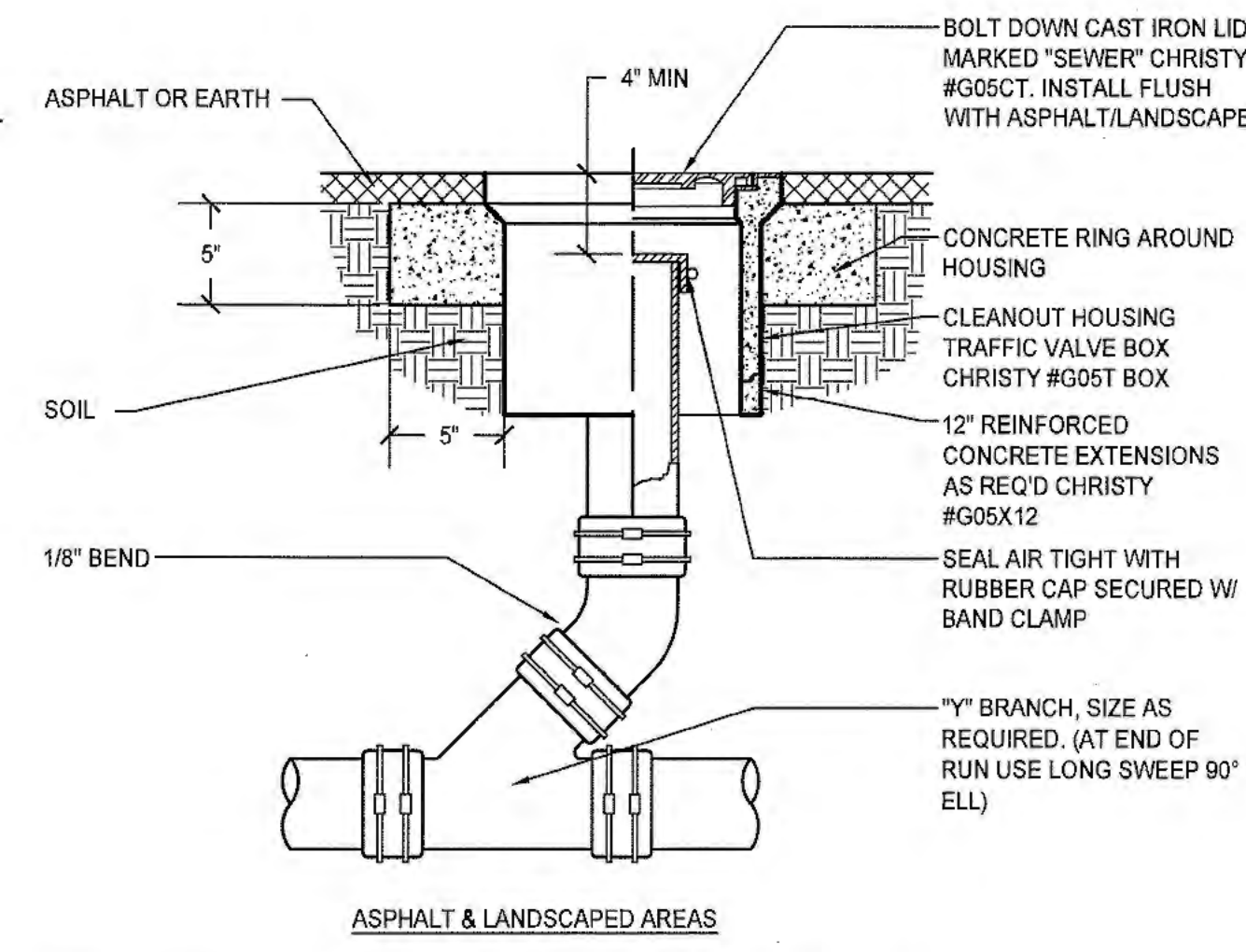
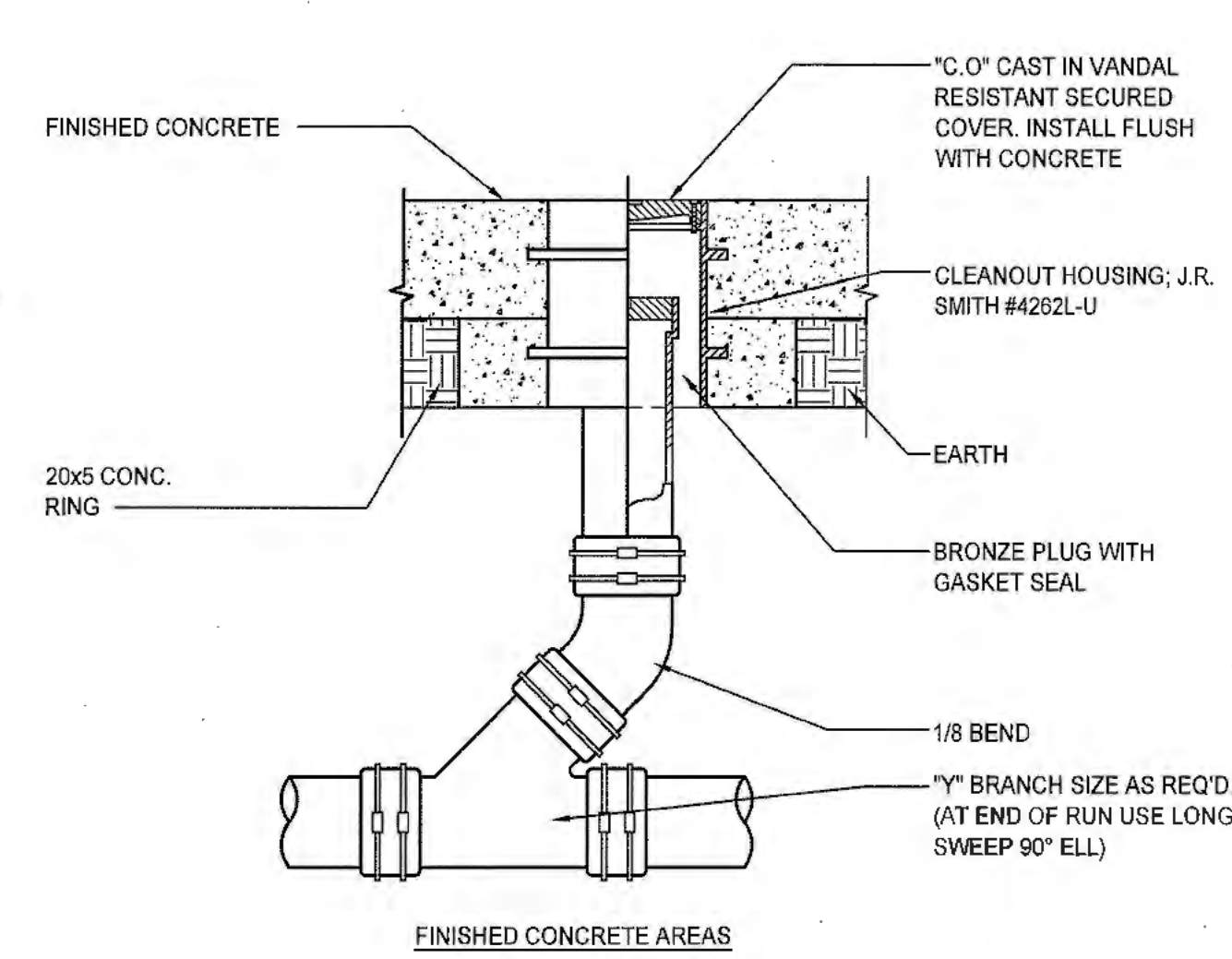
3 TRAP PRIMER  
NTS



4 BUILDING WATER SUPPLY  
NTS



5 WATER HEATER PIPING SCHEMATIC  
NTS

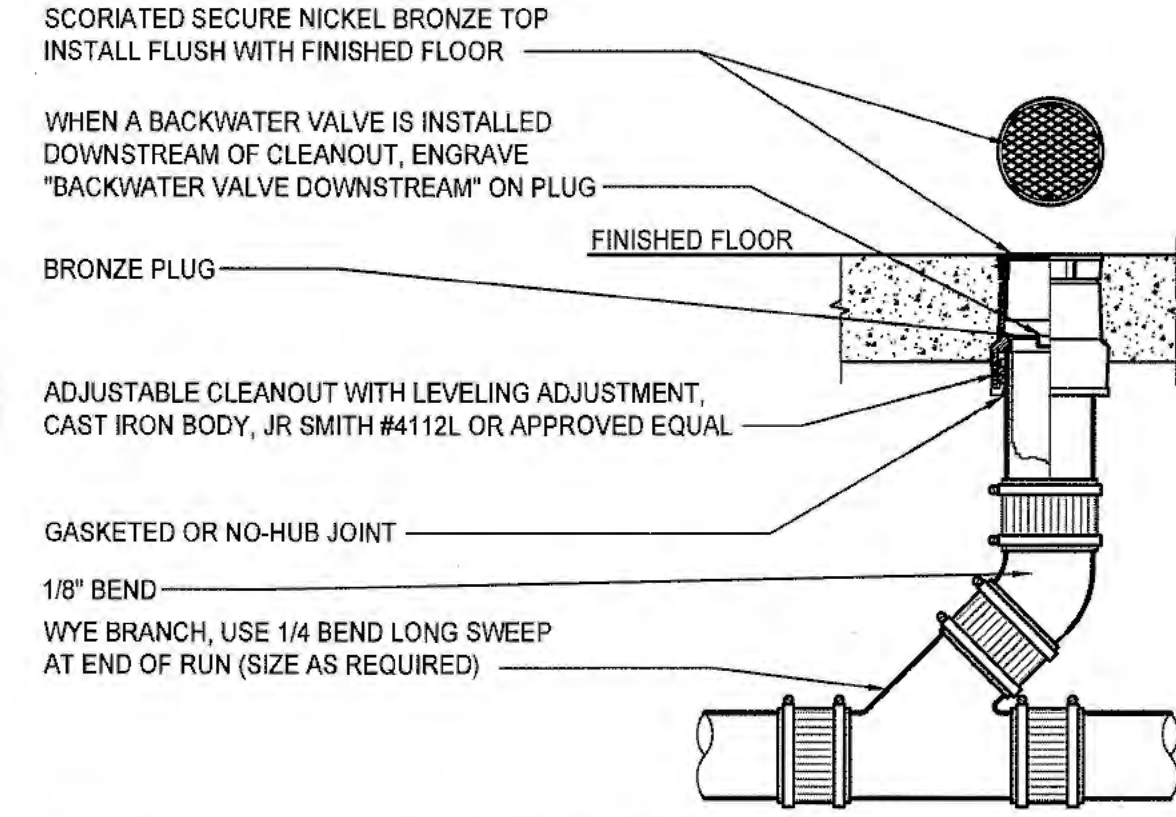


CLEANOUTS IN PIPING 2" OR LESS SHALL HAVE A CLEARANCE OF NOT LESS THAN 18" X 18" IN FRONT OF THE CLEANOUT. CLEANOUTS IN PIPING LARGER THAN 2" INCHES SHALL HAVE A CLEARANCE OF NOT LESS THAN 24" X 24".

CLEANOUTS: CPC TABLE 707.1

PIPE SIZE	CLEANOUT SIZE	THREADS (PER INCH)
1-1/2" - 2"	1-1/2"	11-1/2
2-1/2" - 3"	2-1/2"	8
4" & LARGER	3-1/2"	8

1 CLEANOUT TO GRADE  
NTS

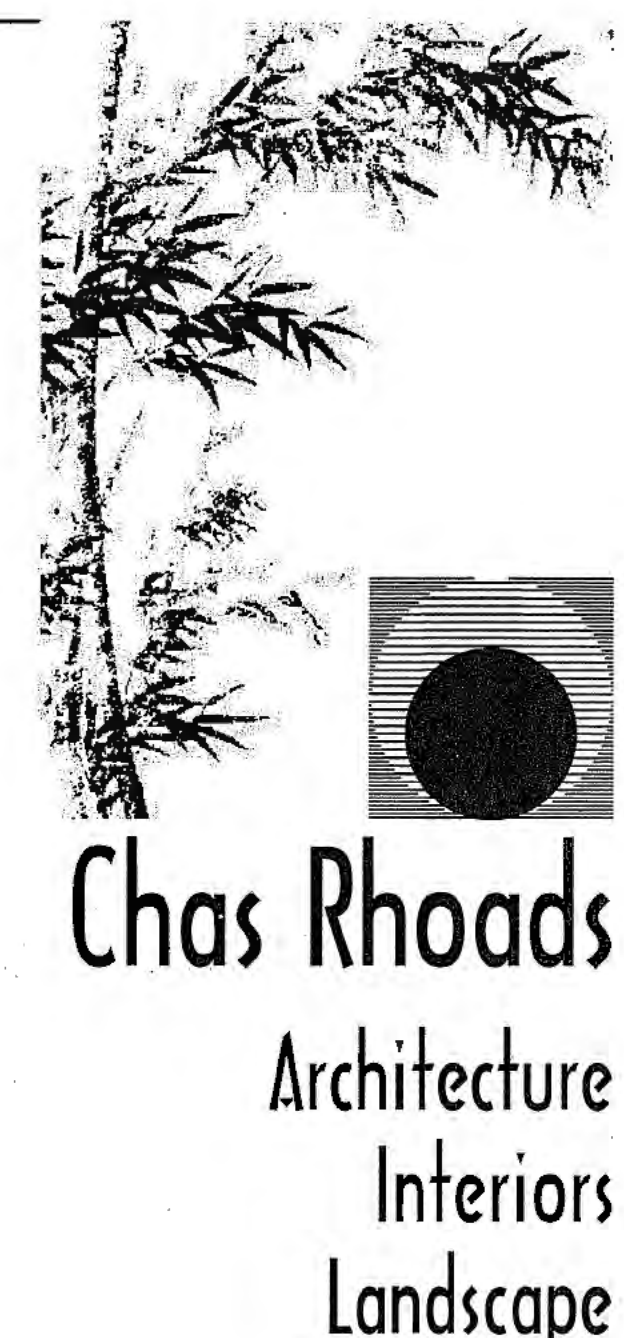


CLEANOUTS IN PIPING 2" OR LESS SHALL HAVE A CLEARANCE OF NOT LESS THAN 18" X 18" IN FRONT OF THE CLEANOUT. CLEANOUTS IN PIPING LARGER THAN 2" INCHES SHALL HAVE A CLEARANCE OF NOT LESS THAN 24" X 24".

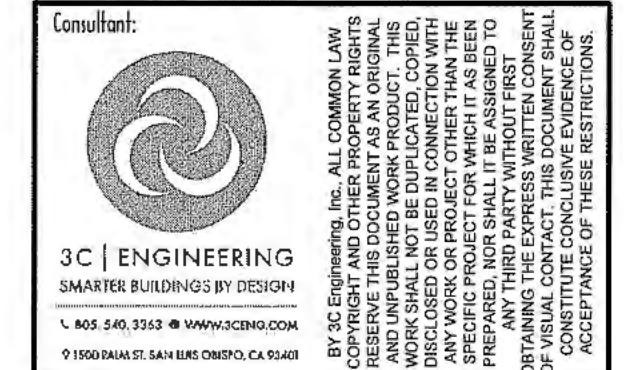
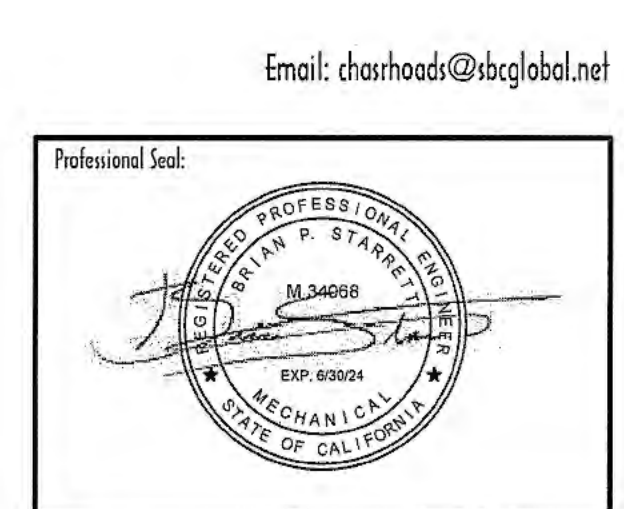
CLEANOUTS: CPC TABLE 707.1

PIPE SIZE	CLEANOUT SIZE	THREADS (PER INCH)
1-1/2" - 2"	1-1/2"	11-1/2
2-1/2" - 3"	2-1/2"	8
4" & LARGER	3-1/2"	8

2 FLOOR CLEANOUT  
NTS



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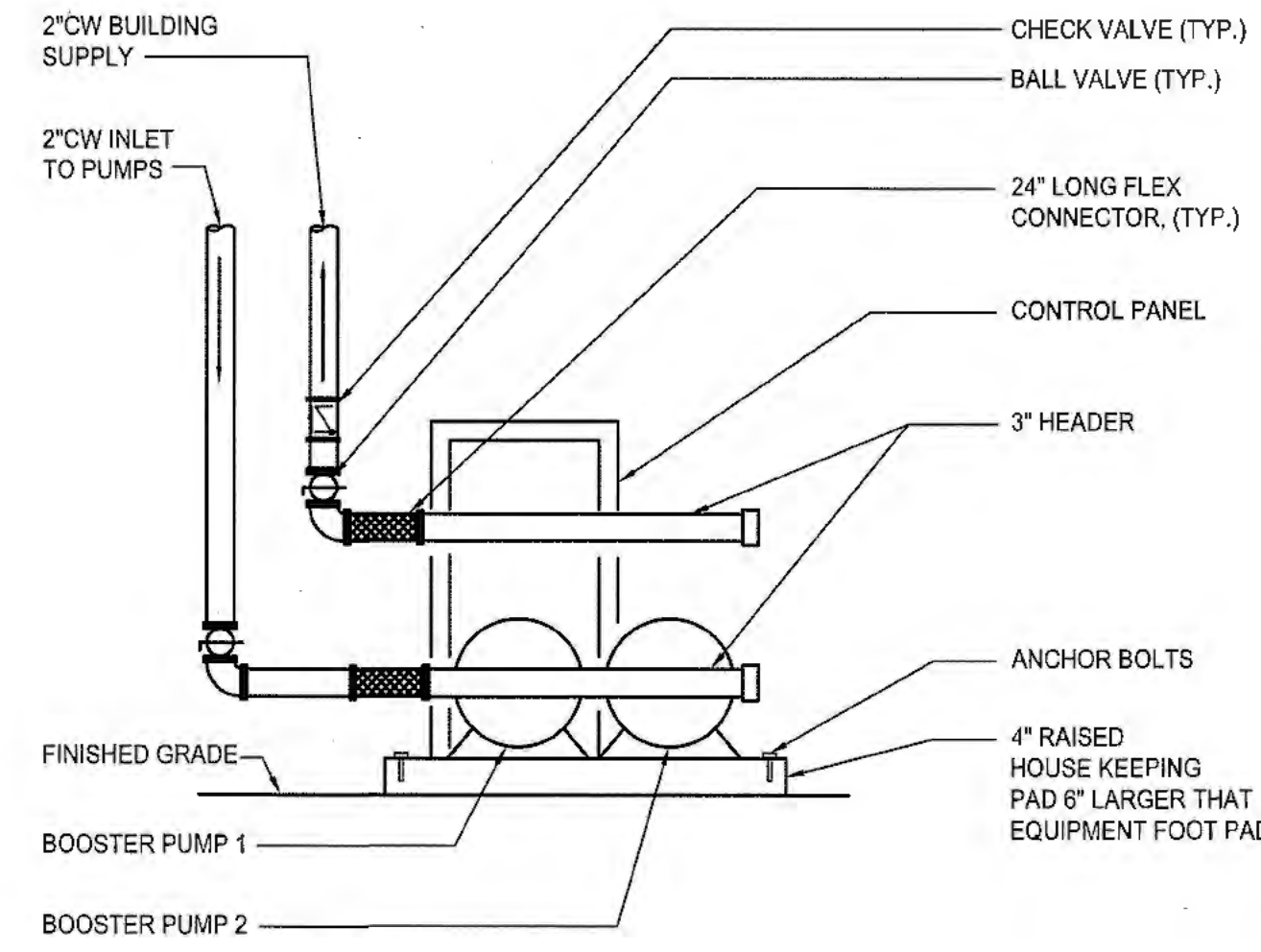
Revision Summary:

Project: New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California

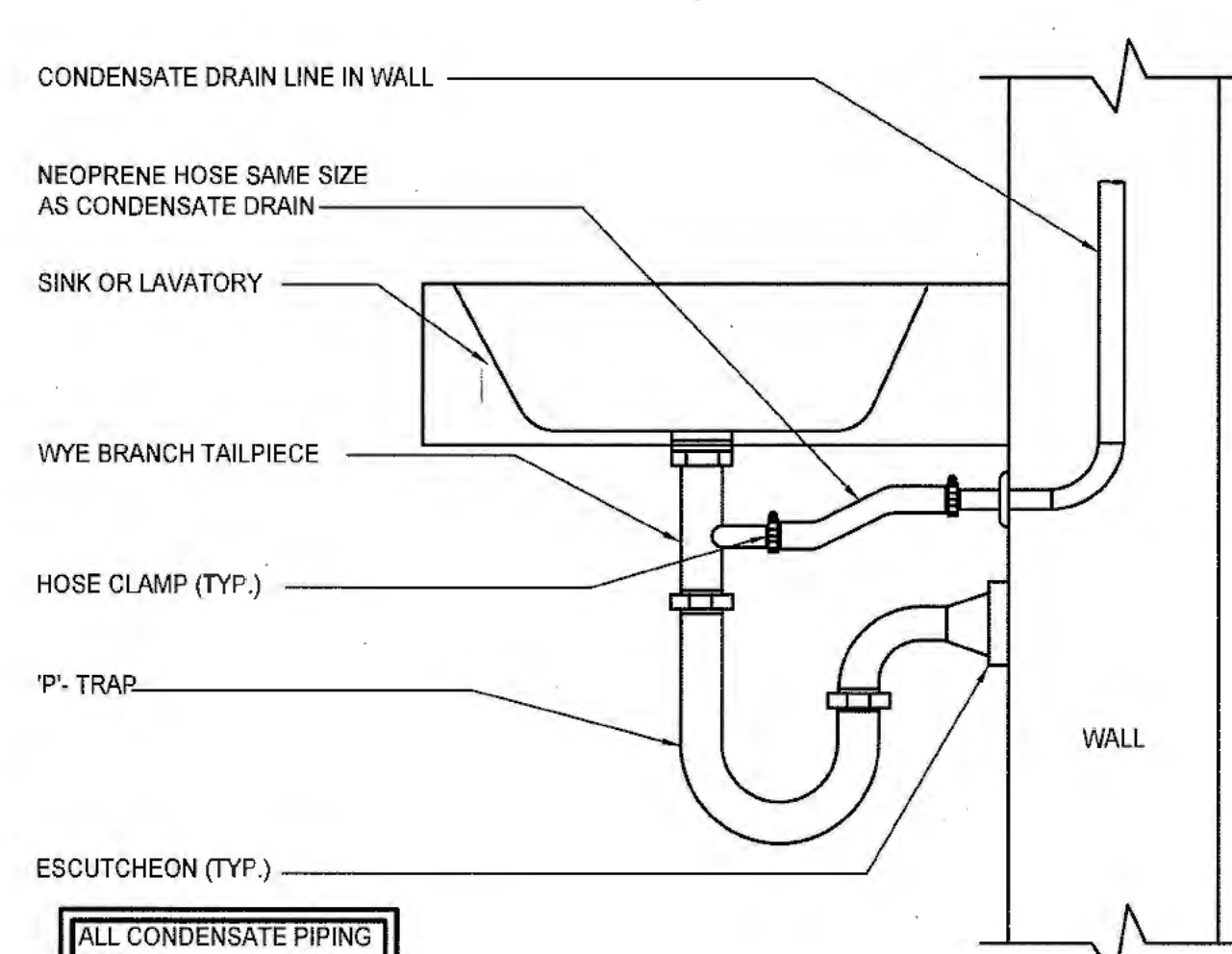
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Date: 11/16/23  
Project: 22-102  
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Of # Sheets

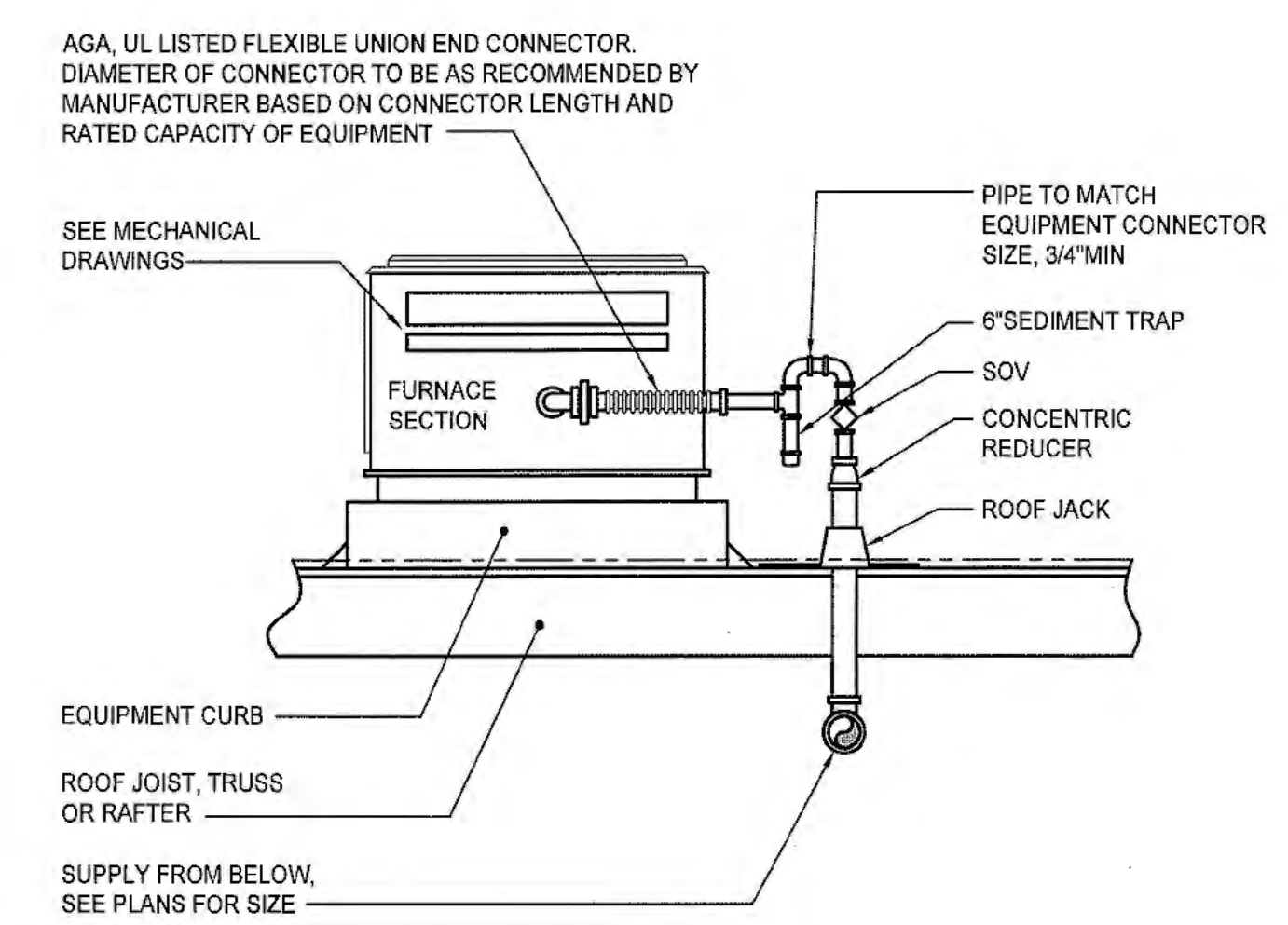
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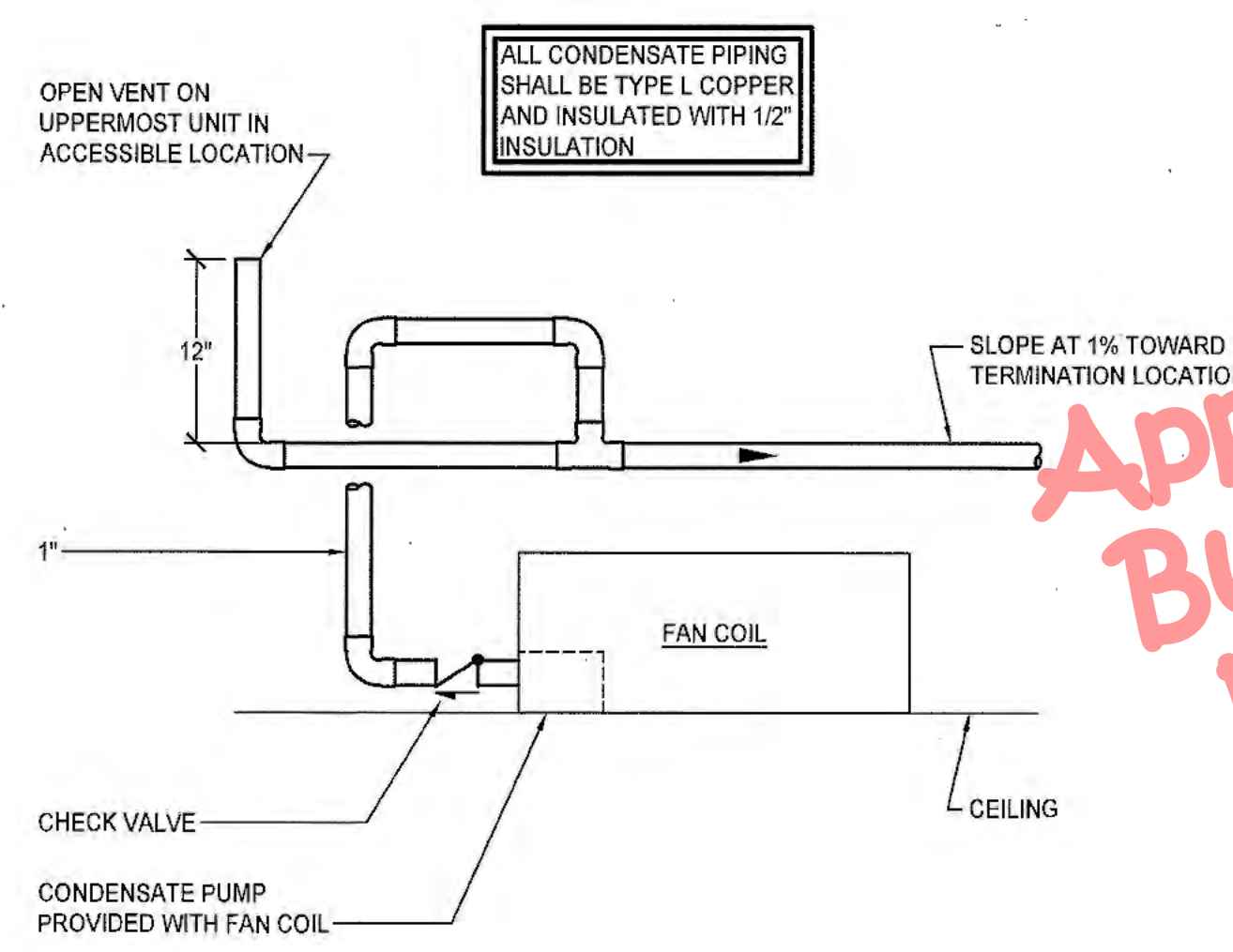
7 BOOSTER PUMP SYSTEM DETAIL  
NTS



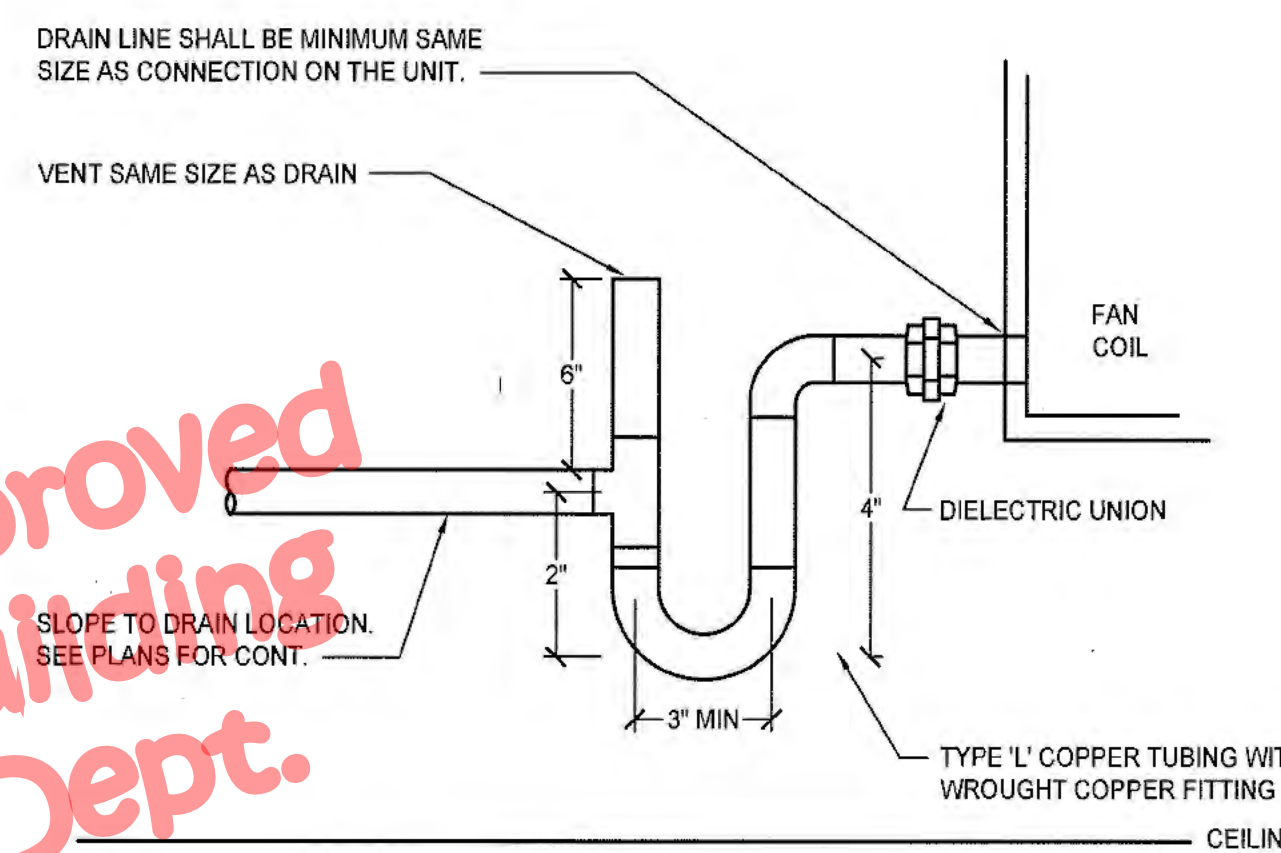
4 CONDENSATE TO TAIL PIECE DETAIL  
NTS



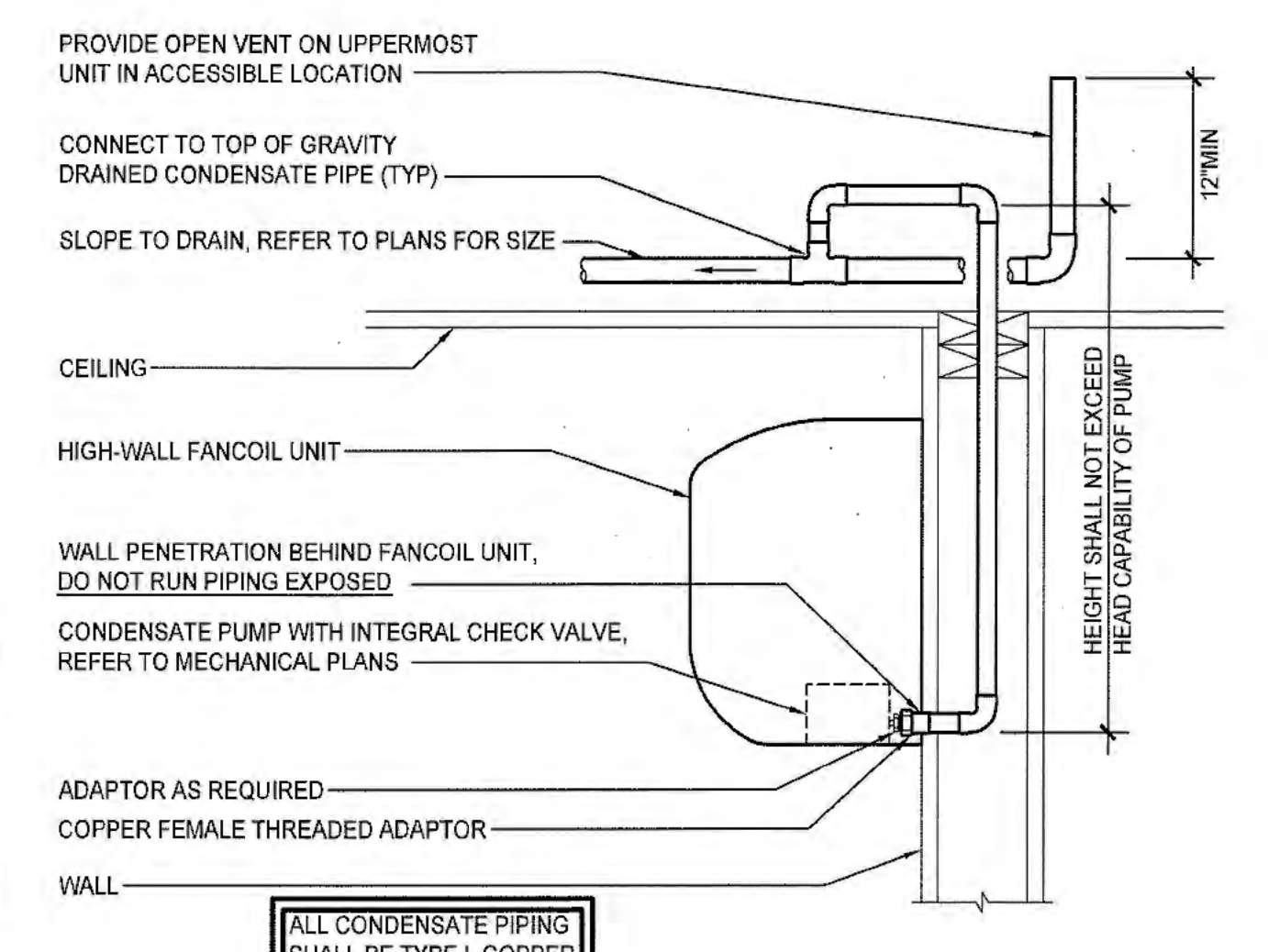
1 GAS CONNECTION TO MECHANICAL EQUIPMENT  
NTS



8 FANCOIL CONDENSATE DRAIN  
NTS



5 FAN COIL CONDENSATE DRAIN DETAIL  
NTS

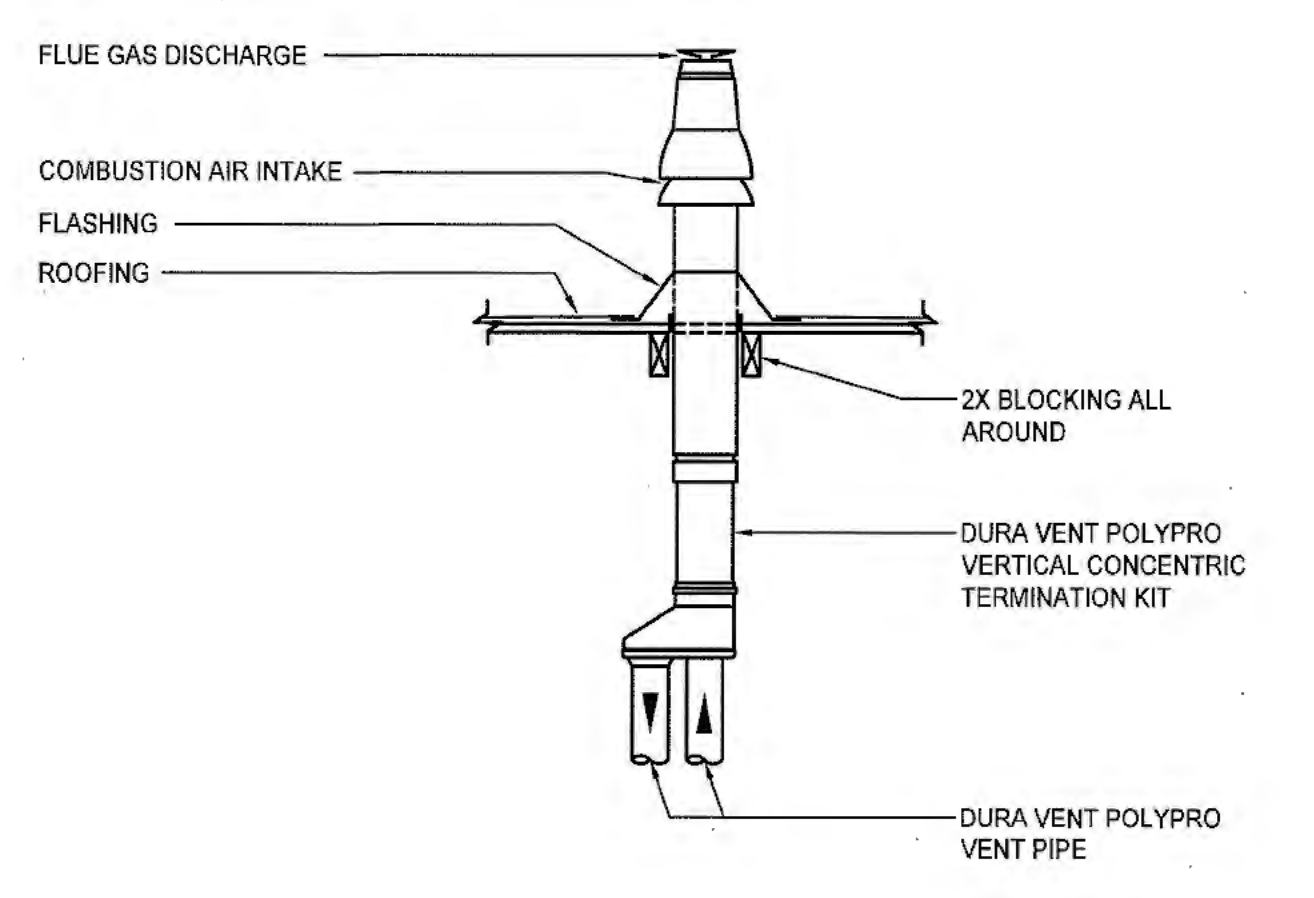


2 HIGH-WALL FANCOIL CONDENSATE DRAIN  
NTS

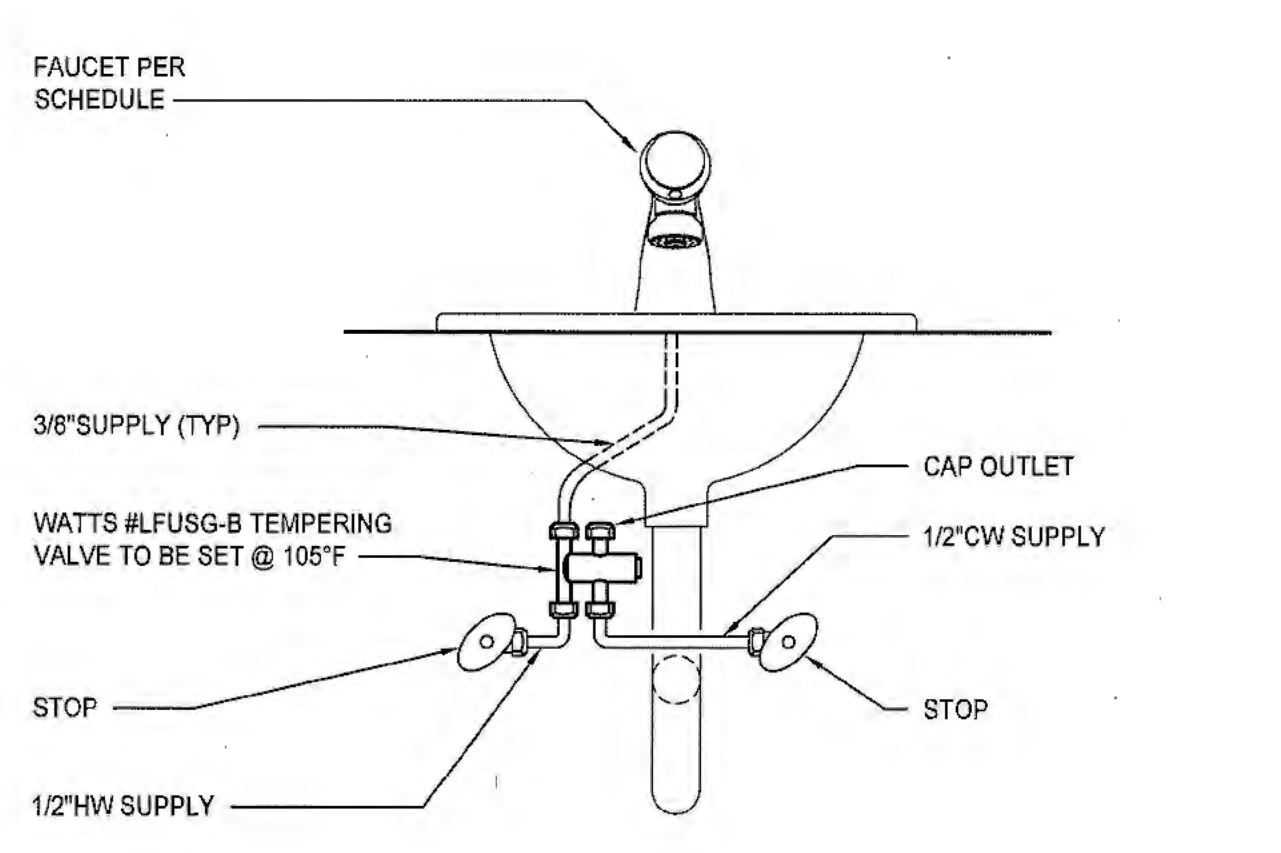
TONS	DRAIN SIZE
0-20	3/4"
21-41	1"
41-90	1-1/4"

FROM TABLE 810.1 OF THE 2019 CPC

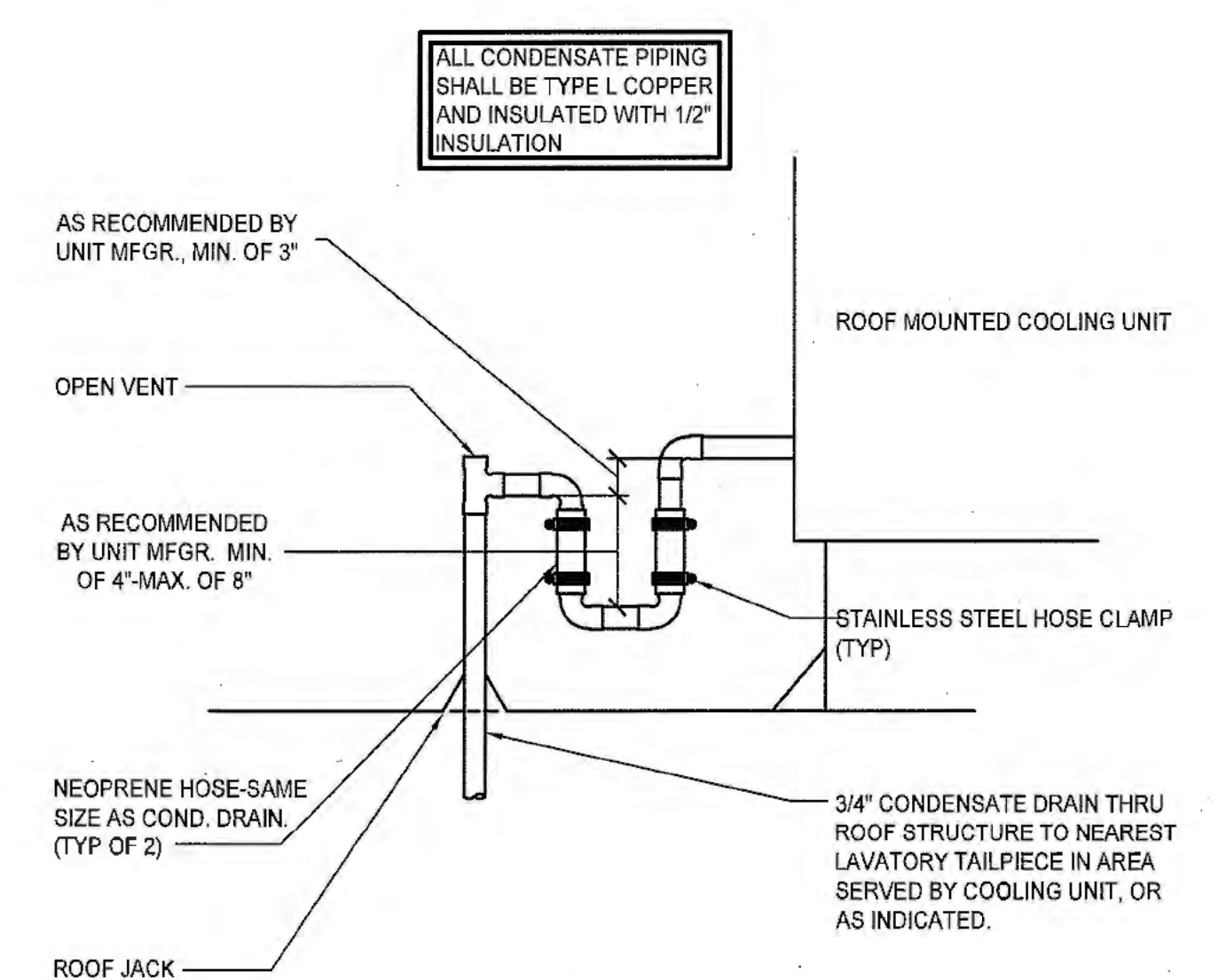
NOTES:  
1. CONDENSATE SHALL BE THE LARGER OF THE SIZE LISTED IN TABLE FOR CORRESPONDING TONNAGE OR CONNECTION SIZE LISTED BY MANUFACTURER.  
2. ALL CONDENSATE PIPING SHALL BE TYPE L COPPER AND INSULATED WITH 1/2\"/>



9 CONCENTRIC TERMINATION  
NTS



6 LAVATORY TEMPERING VALVE  
NTS



3 UNIT CONDENSATE DRAIN  
NTS

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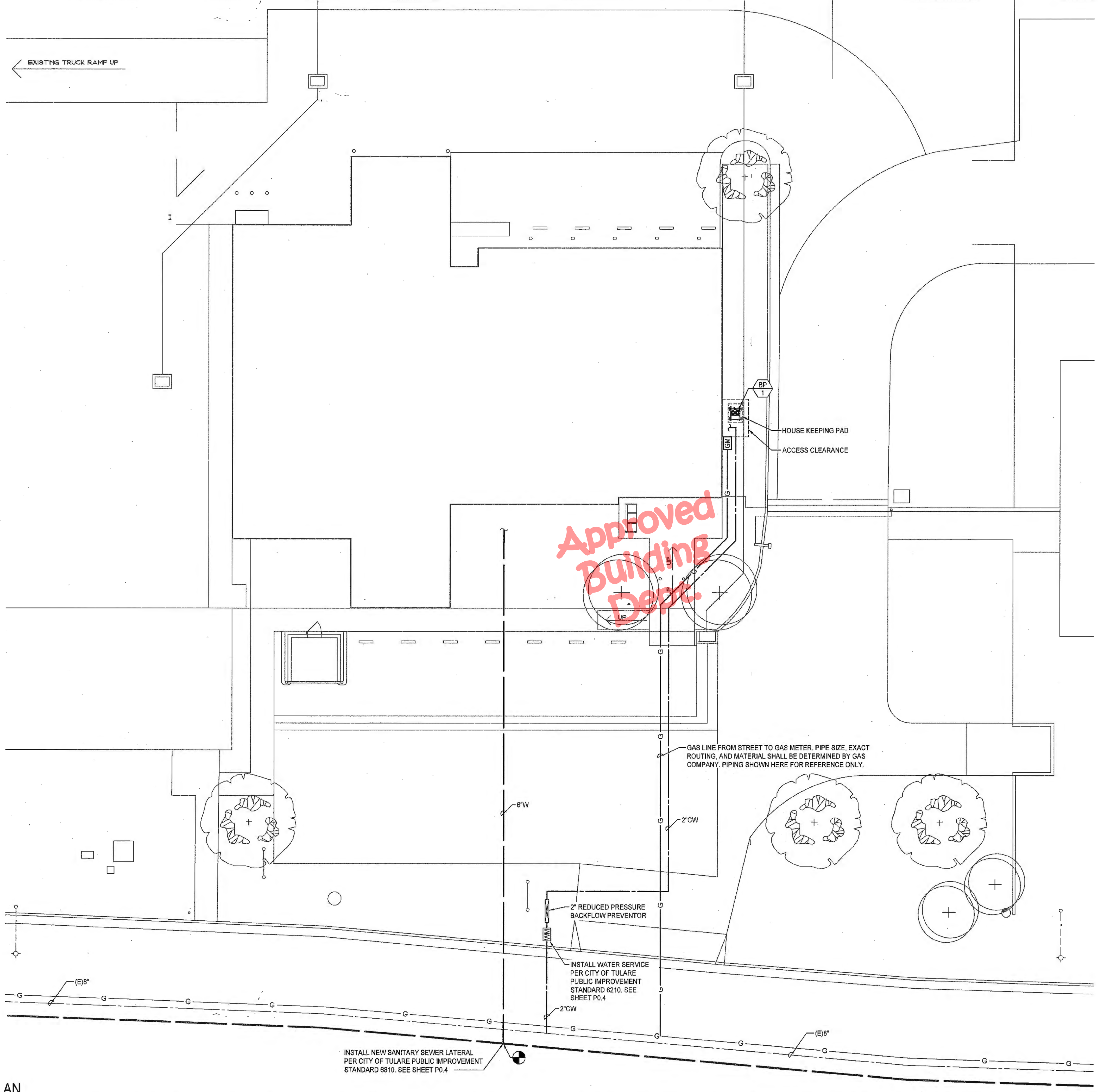
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:

**PLUMBING DETAILS**

Date: 11/16/23  
Project: 22-102  
Scale: PER PLAN  
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Of # Sheets:

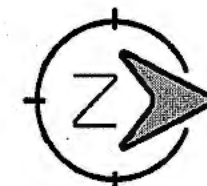




Approved  
Building  
Dept.

**PLUMBING SITE PLAN**

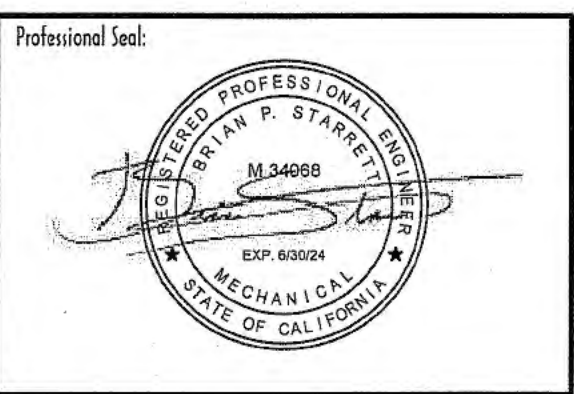
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**New Morgue Building  
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Sheet Description:  
**PLUMBING SITE PLAN**

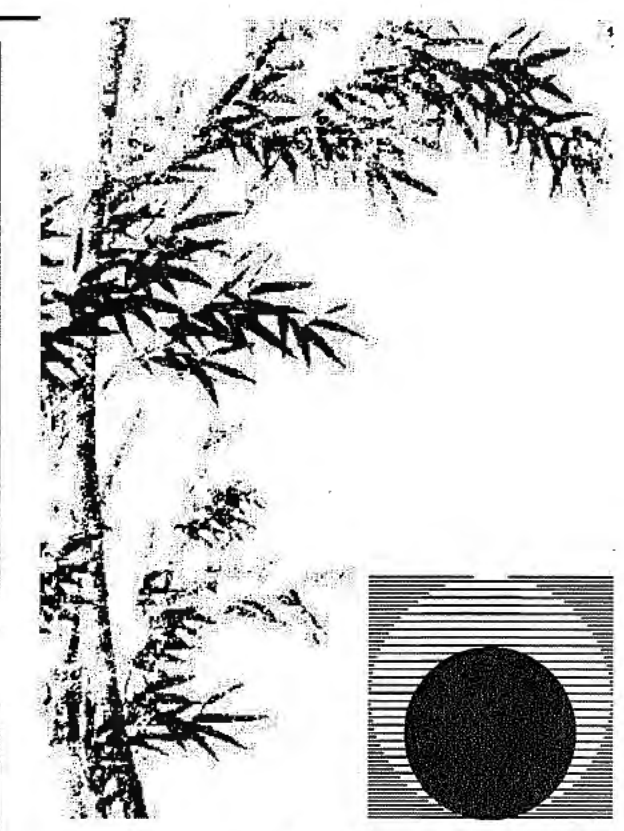
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Project:	22-102
Scale:	PER PLAN
Sheet No.:	<b>P1.0</b>
Of # Sheets:	

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EQUIPMENT NOTES	
APPLICABLE TO THIS SHEET ONLY	
NUMBERS CORRESPOND WITH SHEET EQ-1. SEE EQUIPMENT PLANS FOR SPECIFICATION AND ADDITIONAL INFORMATION.	
07	EMBALMING SINK PROVIDED WITH 2" WASTE AND 1-1/2" VENT
21	LARGE BOWL SINK PROVIDED WITH 2" WASTE AND 1-1/2" VENT
23	EMERGENCY SHOWER SHALL DRAIN (SHEET FLOW) TO TD-1.

KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE SHEET P1.0 FOR CONTINUATION OF PIPING.
2	INVERT ELEVATION WHERE THE BUILDING DRAIN AND BUILDING SEWER MEET SHALL BE 3.80' MINIMUM BELOW THE FINISHED FLOOR ELEVATION.
3	3/4" CONDENSATE CONNECTION TO HIGH-WALL FAN COIL. SEE DETAIL 2/P0.3 FOR MORE INFORMATION.
4	3/4" CONDENSATE DOWN IN WALL. TERMINATE TO FIXTURE TAILPIECE. SEE DETAIL 4/P0.3 FOR MORE INFORMATION.
5	1" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT. SEE DETAIL 5/P0.3 FOR MORE INFORMATION.
6	VENT BELOW FLOOR
7	3/4" CONDENSATE TO REFRIGERATION EQUIPMENT. ROUTE TO EXTERIOR AND PAINT PIPING ON EXTERIOR PER ARCHITECTURAL.
8	PROVIDE 2" WASTE AND 1-1/2" VENT FOR FUTURE SINK.

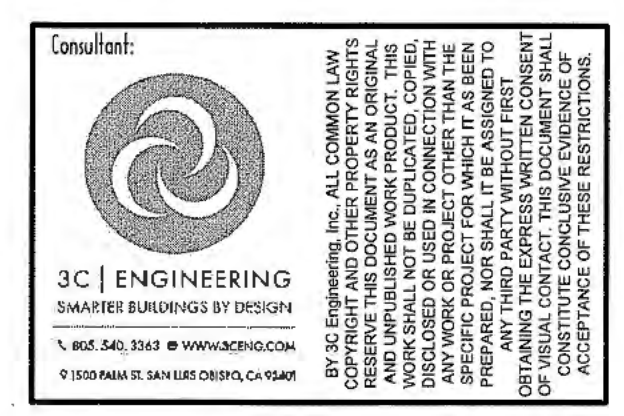
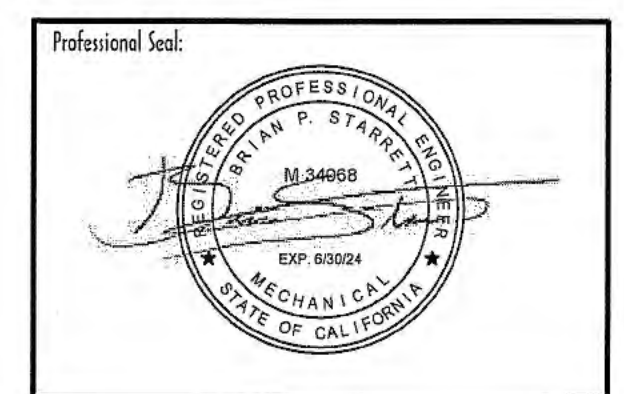
PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	SLOPE SANITARY WASTE PIPING MIN 2% IN DIRECTION OF FLOW.
3	SLOPE VENT PIPING UP TOWARDS VTR MIN 1%.
4	SLOPE CONDENSATE PIPING MIN 1% IN DIRECTION OF FLOW.
5	ALL ROOMS WITH FLOOR DRAINAGE MUST HAVE FLOORS SLOPED TOWARD DRAIN. SEE ARCHITECTURAL PLANS FOR REQUIRED SLOPE.
6	PROVIDE CLEANOUTS IN ALL LOCATIONS SHOWN. COORDINATE ALL WALL CLEANOUTS WITH PLUMBING FIXTURES, CASEWORK, AND ARCHITECTURAL ELEVATIONS. SEE DETAIL 7/P0.2 FOR SIZING AND CLEARANCES REQUIRED.
7	PLUMBING VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE THE ROOF, NOR LESS THAN 12" FROM A VERTICAL SURFACE. MAINTAIN 10'-0" CLEARANCE FROM BUILDING AIR INTAKES.
8	REFER TO MECHANICAL PLANS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
9	COORDINATE PIPE ROUTING WITH LOCATION OF ELECTRICAL AND DATA PANELS. PIPING SHALL NOT BE ROUTED ABOVE THE PANELS.
10	ALL EXPOSED PIPING SHALL BE 316 STAINLESS STEEL.



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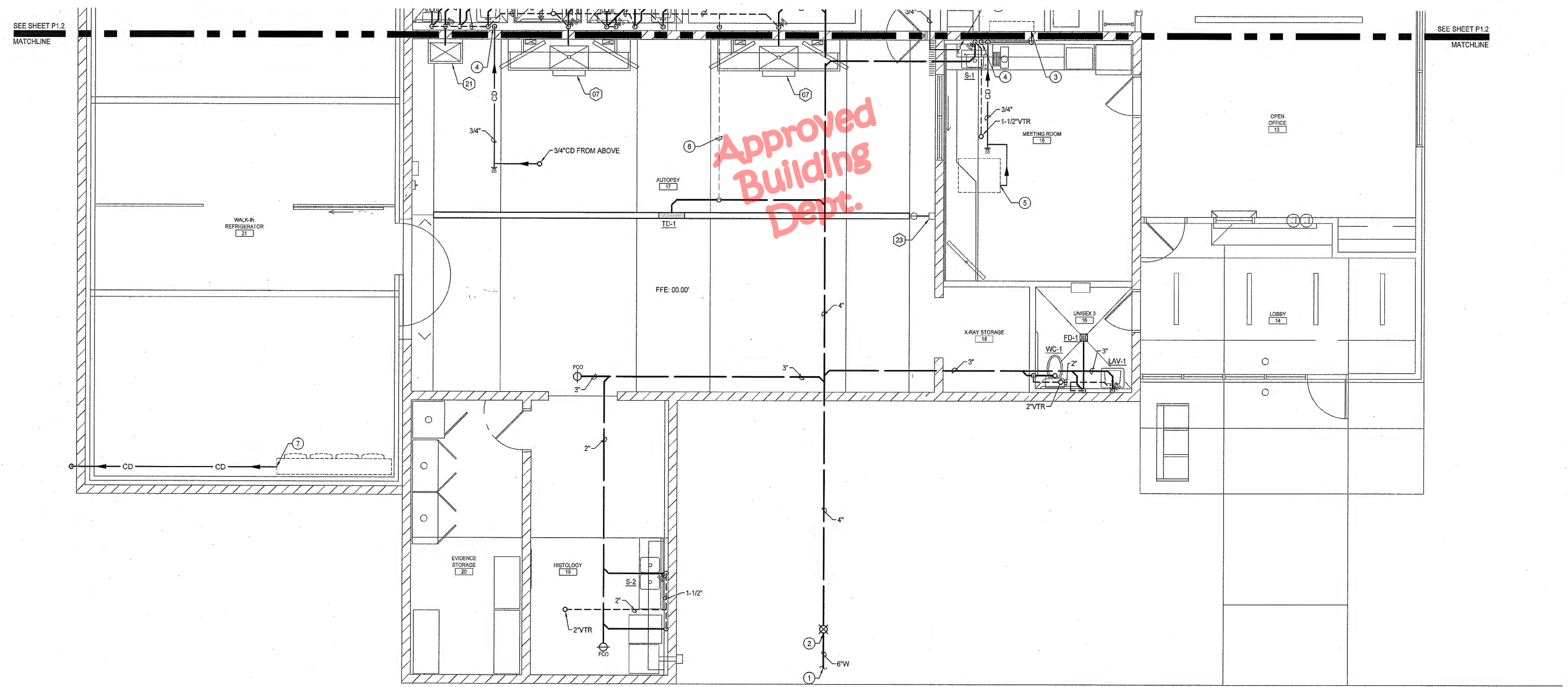
Email: charhoads@sbcglobal.net



Drawing Status:	Contract Document
Revision Summary:	

Project:	New Morgue Building Tulare County Sheriff South "O" Street Tulare, California
Sheet Description:	PLUMBING PARTIAL FLOOR PLAN - WASTE & VENT

Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	P1.1
Of # Sheets:	



Approved  
Building  
Dept.

PLUMBING PARTIAL FLOOR PLAN - WASTE & VENT

SCALE: 1/4" = 1'-0"



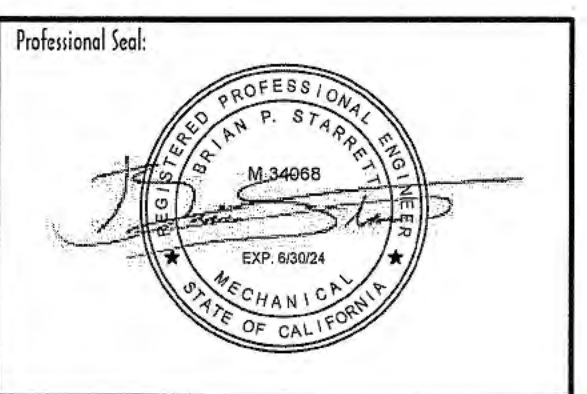
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KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
①	3/4" CONDENSATE DOWN IN WALL. TERMINATE TO FIXTURE TAILPIECE. SEE DETAIL 4/P.3 FOR MORE INFORMATION.
②	3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT. SEE DETAIL 8/P.3 FOR MORE INFORMATION.
③	3/4" CONDENSATE TO REFRIGERATION EQUIPMENT. ROUTE TO EXTERIOR AND PAINT PIPING ON EXTERIOR PER ARCHITECTURAL.
④	3/4" CONDENSATE CONNECTION TO HIGH-WALL FAN COIL EQUIPMENT. SEE DETAIL 2/P.3 FOR MORE INFORMATION.
⑤	3/4" CONDENSATE DOWN TIGHT TO WALL. TERMINATE TO FLOOR SINK WITH MINIMUM 1" AIR GAP.
PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	SLOPE SANITARY WASTE PIPING MIN 2% IN DIRECTION OF FLOW.
3	SLOPE VENT PIPING UP TOWARDS VTR MIN 1%.
4	SLOPE CONDENSATE PIPING MIN 1% IN DIRECTION OF FLOW.
5	ALL ROOMS WITH FLOOR DRAINAGE MUST HAVE FLOORS SLOPED TOWARD DRAIN. SEE ARCHITECTURAL PLANS FOR REQUIRED SLOPE.
6	PROVIDE CLEANOUTS IN ALL LOCATIONS SHOWN. COORDINATE ALL WALL CLEANOUTS WITH PLUMBING FIXTURES, CASEWORK, AND ARCHITECTURAL ELEVATIONS. SEE DETAIL 7/P.2 FOR SIZING AND CLEARANCES REQUIRED.
7	PLUMBING VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE THE ROOF, NOR LESS THAN 12" FROM A VERTICAL SURFACE. MAINTAIN 10'-0" CLEARANCE FROM BUILDING AIR INTAKES.
8	REFER TO MECHANICAL PLANS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
9	COORDINATE PIPE ROUTING WITH LOCATION OF ELECTRICAL AND DATA PANELS. PIPING SHALL NOT BE ROUTED ABOVE THE PANELS.
10	ALL EXPOSED PIPING SHALL BE 316 STAINLESS STEEL.

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Drawing Status:

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Revision Summary:

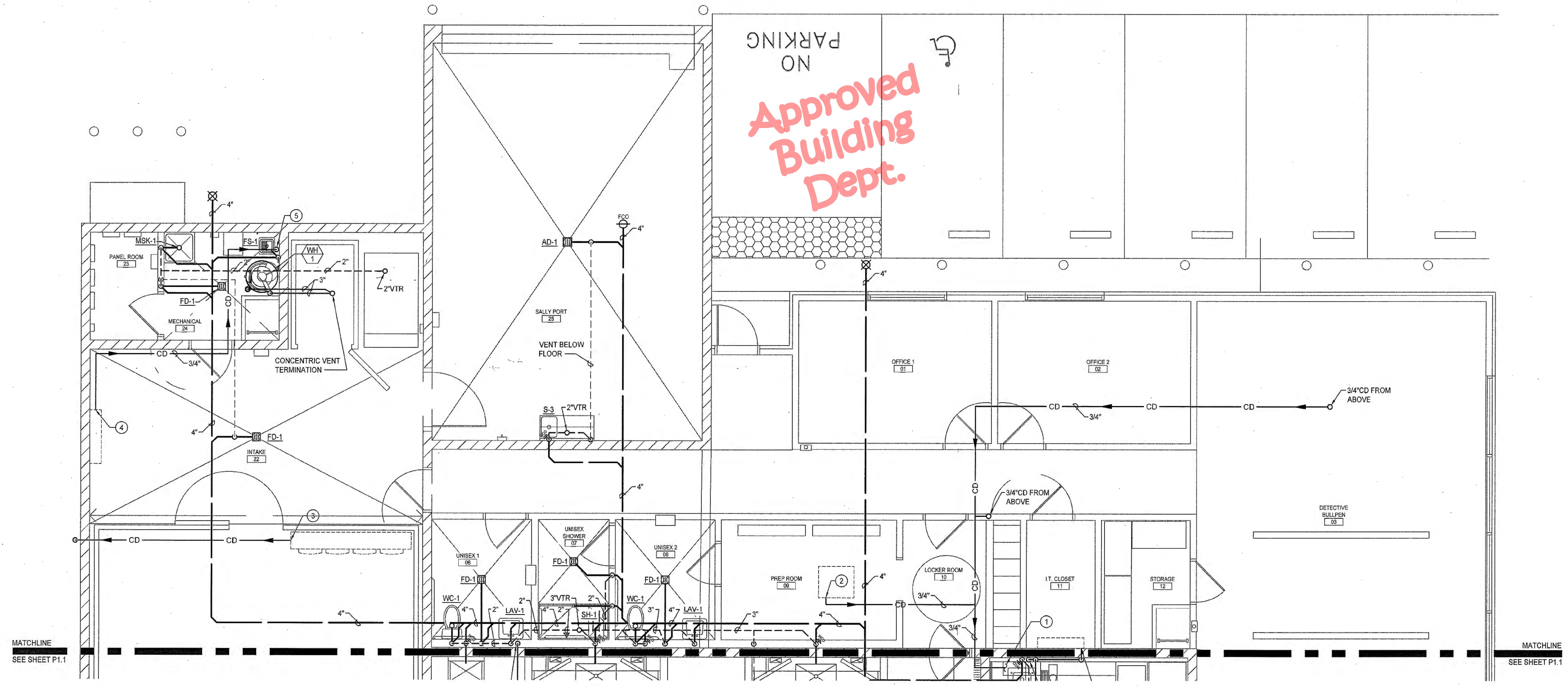

Project:

**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:

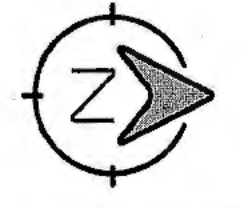
**PLUMBING PARTIAL FLOOR PLAN  
- WASTE & VENT**

Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	<b>P1.2</b>
Of # Sheets:	



**PLUMBING PARTIAL FLOOR PLAN - WASTE & VENT**

SCALE: 1/4" = 1'-0"

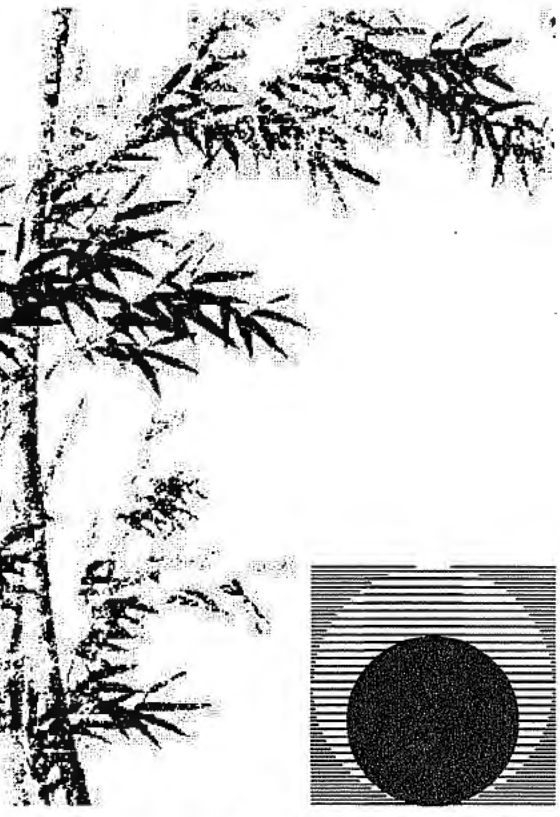


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EQUIPMENT NOTES	
APPLICABLE TO THIS SHEET ONLY	
NUMBERS CORRESPOND WITH SHEET EQ-1. SEE EQUIPMENT PLANS FOR SPECIFICATION AND ADDITIONAL INFORMATION.	
07	SINGLE BASIN SINK PROVIDED WITH 3/4" HOT AND COLD WATER.
21	LARGE BOWL SINK PROVIDED WITH 3/4" HOT AND COLD WATER.
22	EMBALMING SINK PROVIDED WITH 3/4" HOT AND COLD WATER.
23	EMERGENCY SHOWER PROVIDED WITH 1-1/4" HOT AND COLD WATER.

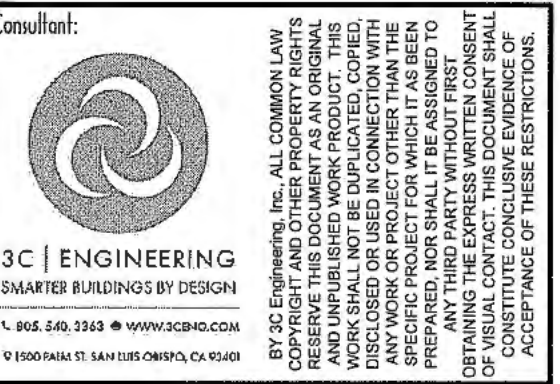
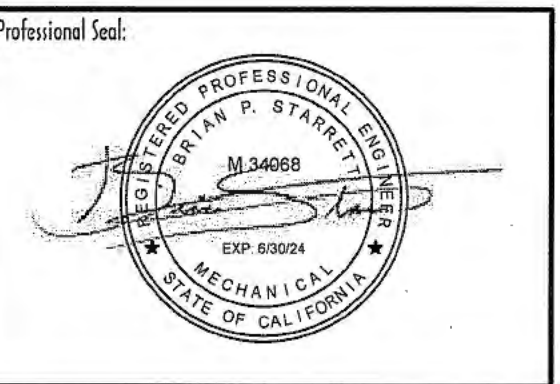
KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE SHEET P1.0 FOR CONTINUATION OF PIPING.
2	3/4" GAS TO DRYER (35 CFH)
3	PROVIDE 1/2" HOT AND COLD WATER STUBBED ABOVE CEILING FOR FUTURE SINK.
PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	PROVIDE ANGLE STOPS FOR ALL PLUMBING FIXTURE BRANCH PIPING LINES.
3	SEE GAS RISER DIAGRAM ON SHEET P0.1 FOR SIZING, CALCULATIONS AND EQUIPMENT LOADS.
4	REFER TO MECHANICAL PLANS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
5	COORDINATE PIPE ROUTING WITH LOCATION OF ELECTRICAL AND DATA PANELS. PIPING SHALL NOT BE ROUTED ABOVE THE PANELS.
6	ALL EXISTING PIPING SHOWN HAS BEEN COLLECTED FROM BEST AVAILABLE SOURCES. CONTRACTOR SHALL REVIEW PLANS AND EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK, AS ACCURACY AND LOCATIONS OF PIPING AND EQUIPMENT MAY NOT BE PRECISE.
7	ALL EXPOSED PIPING SHALL BE 316 STAINLESS STEEL.



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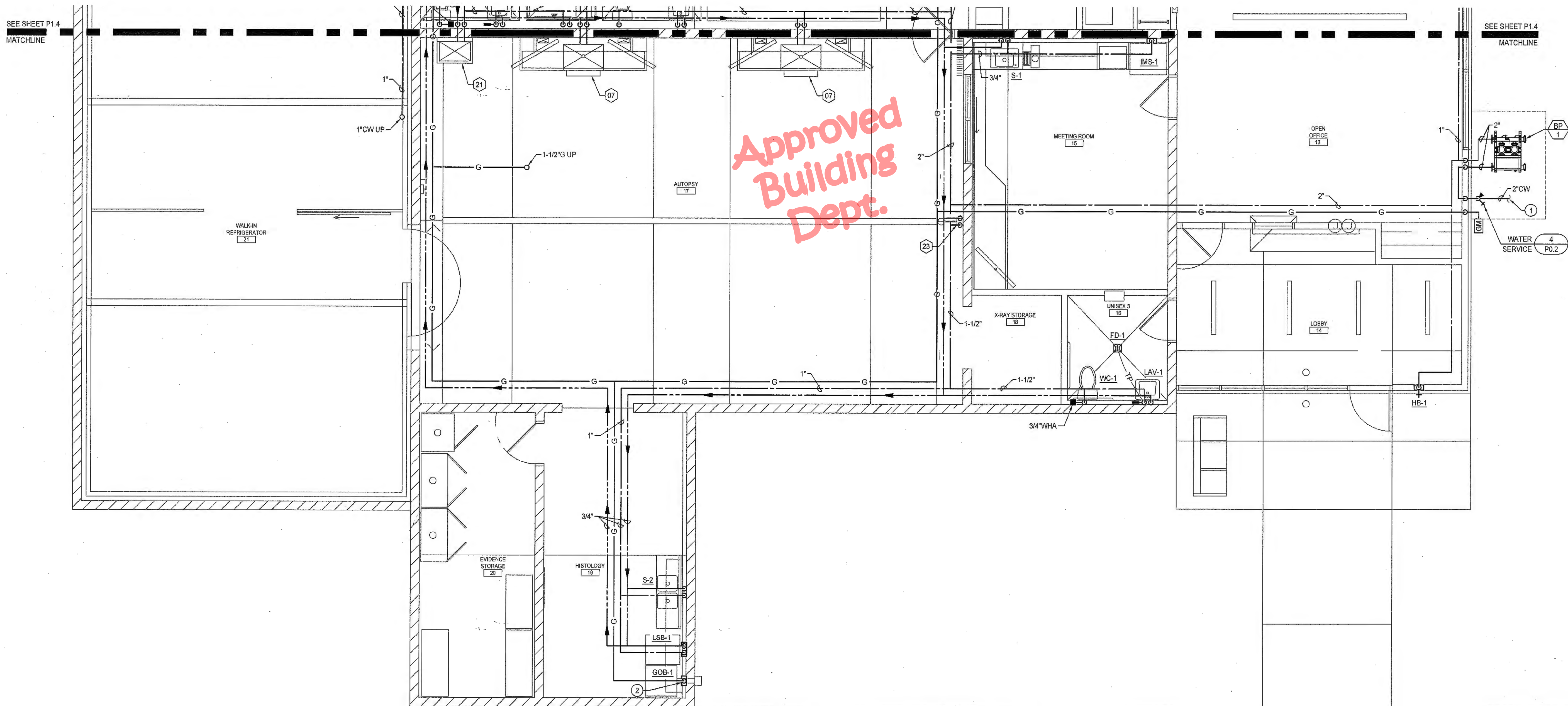
Email: charhoads@sbcglobal.net



Contract Document
Revision Summary:

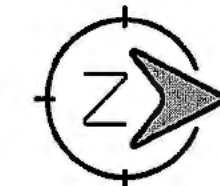
Project:	New Morgue Building Tulare County Sheriff South "O" Street Tulare, California
Sheet Description:	PLUMBING PARTIAL FLOOR PLAN - WATER & GAS

Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	<b>P1.3</b>
Of # Sheets:	



PLUMBING PARTIAL FLOOR PLAN - WATER & GAS

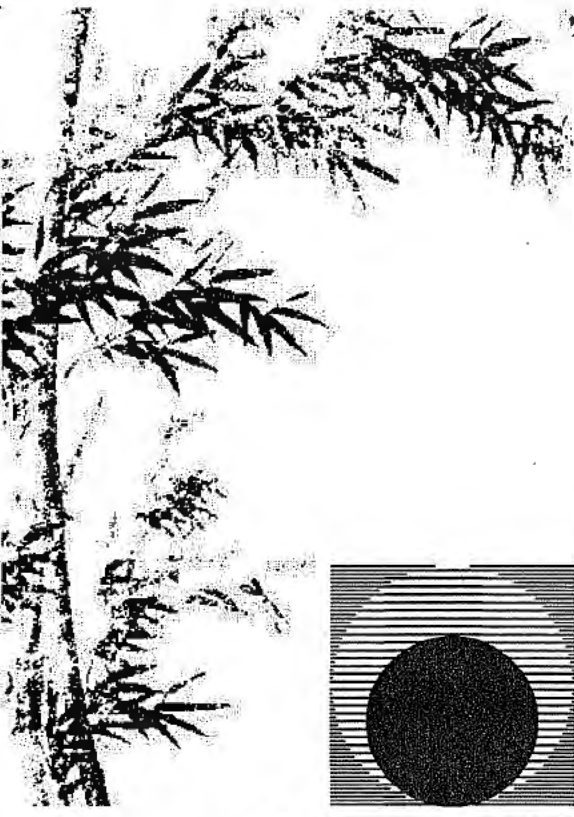
SCALE: 1/4" = 1'-0"



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EQUIPMENT NOTES	
APPLICABLE TO THIS SHEET ONLY	
NUMBERS CORRESPOND WITH SHEET EO-1. SEE EQUIPMENT PLANS FOR SPECIFICATION AND ADDITIONAL INFORMATION.	
61	SPRAYMASTER CONTROLLER PROVIDE WITH 1" COLD WATER.

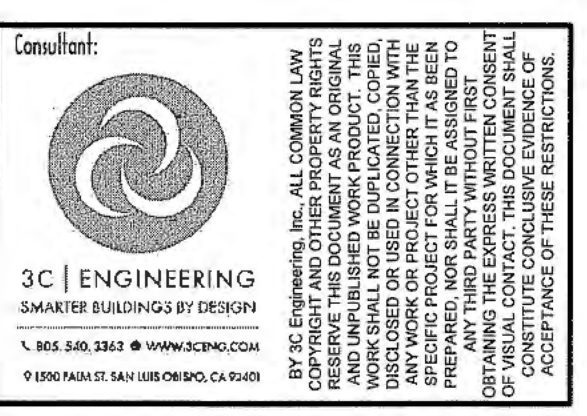
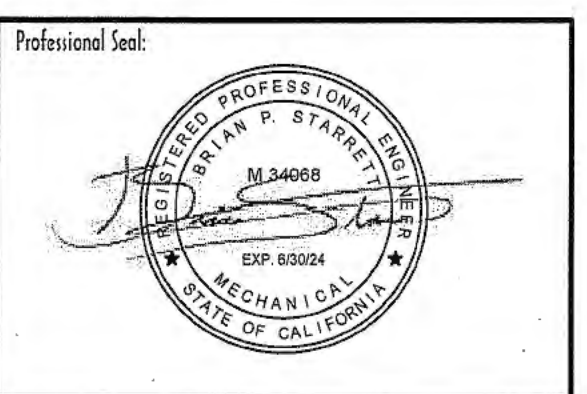
KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	1" BACKFLOW PREVENTOR LOCATED HIGH ON WALL BEFORE CONNECTION TO SPRAYMASTER (61). ROUTE DRAINAGE PIPING TO FLOOR SINK.
PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	PROVIDE ANGLE STOPS FOR ALL PLUMBING FIXTURE BRANCH PIPING LINES.
3	SEE GAS RISER DIAGRAM ON SHEET PXXX FOR SIZING, CALCULATIONS AND EQUIPMENT LOADS.
4	REFER TO MECHANICAL PLANS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
5	COORDINATE PIPE ROUTING WITH LOCATION OF ELECTRICAL AND DATA PANELS. PIPING SHALL NOT BE ROUTED ABOVE THE PANELS.
6	ALL EXISTING PIPING SHOWN HAS BEEN COLLECTED FROM BEST AVAILABLE SOURCES. CONTRACTOR SHALL REVIEW PLANS AND EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK, AS ACCURACY AND LOCATIONS OF PIPING AND EQUIPMENT MAY NOT BE PRECISE.
7	ALL EXPOSED PIPING SHALL BE 316 STAINLESS STEEL.



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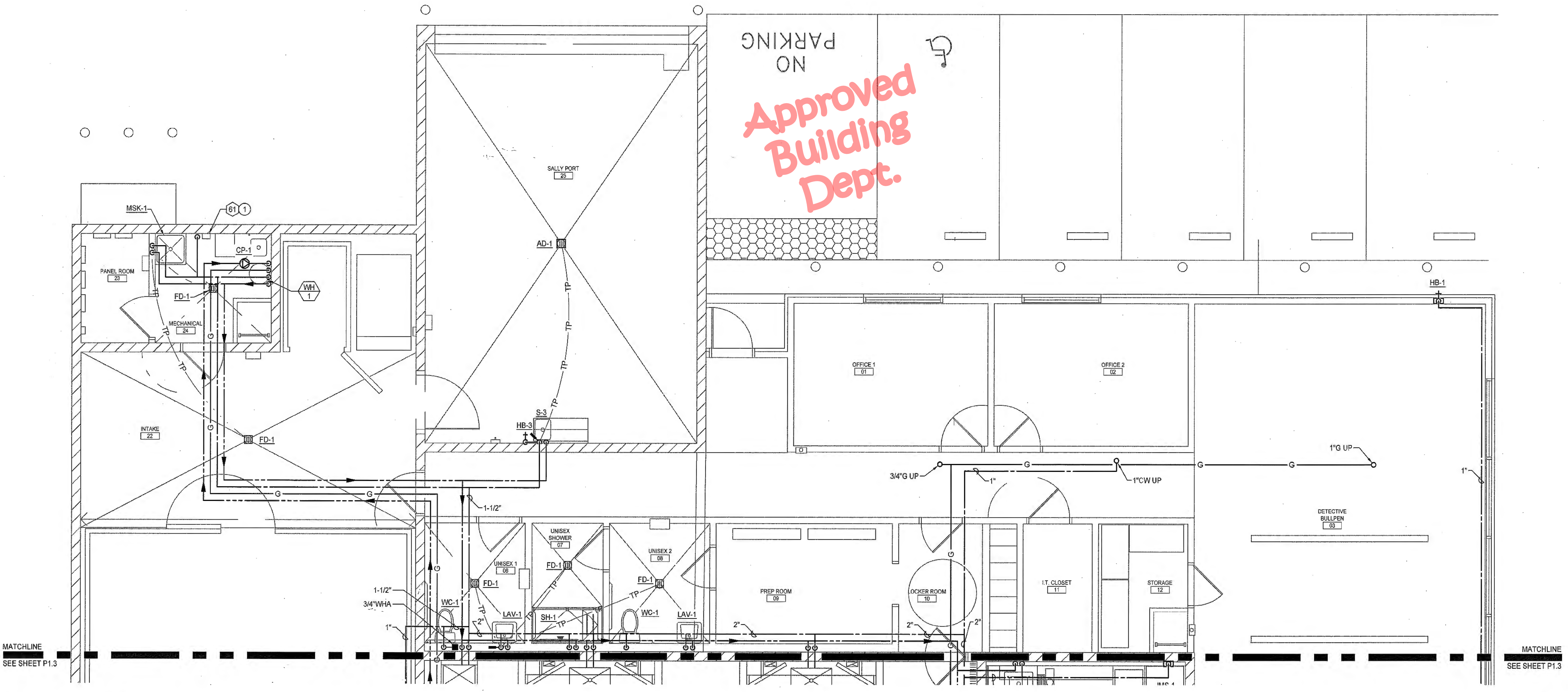
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Drawing Status:	Contract Document
Revision Summary:	

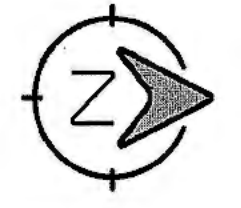
Project:	New Morgue Building Tulare County Sheriff South "O" Street Tulare, California
Sheet Description:	PLUMBING PARTIAL FLOOR PLAN - WATER & GAS

Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	P1.4
Of # Sheets:	



PLUMBING PARTIAL FLOOR PLAN - WATER & GAS

SCALE: 1/4" = 1'-0"



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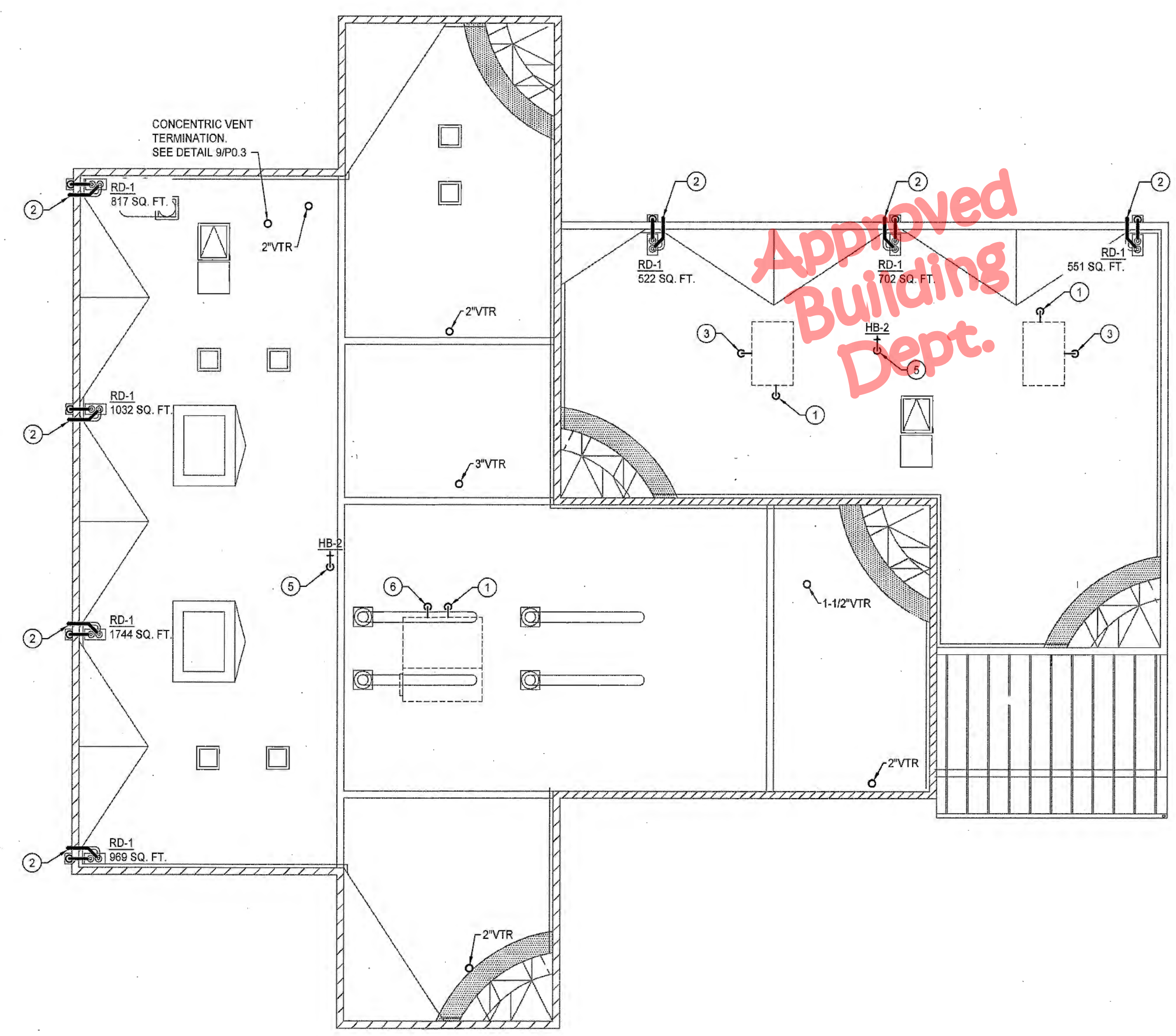
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KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
①	3/4" CONDENSATE CONNECTION TO MECHANICAL EQUIPMENT. SEE DETAIL 3/P0.3 FOR MORE INFORMATION.
②	TERMINATE 3" STORM DRAIN OVERFLOW THROUGH FACE OF WALL. SEE ARCHITECTURAL PLANS FOR CONTINUATION OF 3" STORM DRAIN LEADER.
③	3/4" GAS TO MECHANICAL EQUIPMENT. SEE DETAIL 1/P0.3 FOR MORE INFORMATION.
④	1" GAS TO MECHANICAL EQUIPMENT. SEE DETAIL 1/P0.3 FOR MORE INFORMATION.
⑤	1" CW FROM BELOW
⑥	1-1/2" GAS TO MECHANICAL EQUIPMENT. SEE DETAIL 1/P0.3 FOR MORE INFORMATION.
PLUMBING GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	SEE PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPE SIZING.
2	SLOPE SANITARY WASTE PIPING MIN 2% IN DIRECTION OF FLOW.
3	SLOPE VENT PIPING UP TOWARDS VTR MIN 1%.
4	SLOPE CONDENSATE PIPING MIN 1% IN DIRECTION OF FLOW.
5	PLUMBING VENTS SHALL TERMINATE NOT LESS THAN 6" ABOVE THE ROOF, NOR LESS THAN 12" FROM A VERTICAL SURFACE. MAINTAIN 10'-0" CLEARANCE FROM BUILDING AIR INTAKES.
6	REFER TO MECHANICAL PLANS FOR LOCATIONS OF MECHANICAL EQUIPMENT AND DUCTWORK. COORDINATE ALL WORK TO FIT IN AVAILABLE SPACE.
7	COORDINATE PIPE ROUTING WITH LOCATION OF ELECTRICAL AND DATA PANELS. PIPING SHALL NOT BE ROUTED ABOVE THE PANELS.

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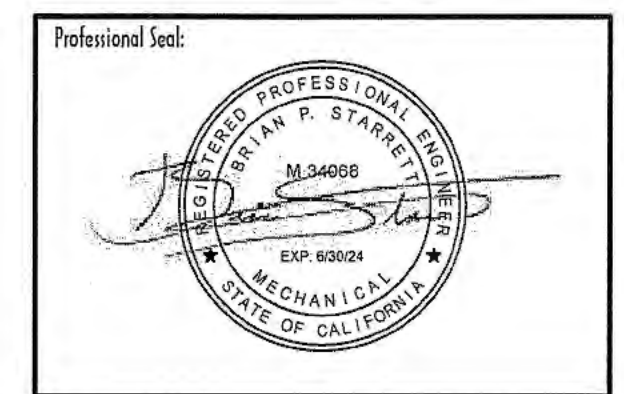
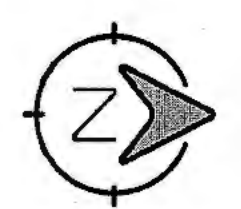
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Approved  
Building  
Dept.

PLUMBING ROOF PLAN

SCALE: 1/8" = 1'-0"



Consultant:

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SMARTER BUILDINGS BY DESIGN  
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Drawing Status:

**Contract Document**

Revision Summary:


Project:

**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:

**PLUMBING ROOF PLAN**

Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	<b>P2.1</b>
Of # Sheets:	

MECHANICAL LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
∅	DIA	DIAMETER
☒		CEILING MOUNTED SUPPLY OR OUTSIDE AIR DIFFUSER
☒		CEILING MOUNTED RETURN AIR GRILLE
☒		CEILING MOUNTED EXHAUST AIR GRILLE
—		SIDEWALL MOUNTED SUPPLY AIR DIFFUSER, RETURN AIR GRILLE, LOUVER
	24X12, 24X12 FO	RECTANGULAR, FLAT OVAL DUCT
	24X12L, 120L	LINED DUCT
		RECTANGULAR SUPPLY /OA, RETURN, EXHAUST /RELIEF DUCT PASSING THROUGH PLAIN OF VIEW
		RECTANGULAR SUPPLY /OA, RETURN, EXHAUST /RELIEF DUCT TURNING DOWN
	120	ROUND DUCT
		ROUND DUCT TURNING DOWN, ROUND DUCT TURNING UP
		90° ELBOW WITH TURNING VAINS
		FLEXIBLE DUCT 60" MAX LENGTH
	FC	FLEXIBLE CONNECTION
	VD	MANUAL VOLUME DAMPER
	CVD	CABLE OPERATED VOLUME DAMPER
		ACCESS CLEARANCE
		WALL CAP
		ROOF CAP
		CEILING EXHAUST FAN
		REFRIGERATION LINES
		REFRIGERATION ISOLATION VALVE

CONTROLS LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	USD	DUCT MOUNTED SMOKE DETECTOR
	FSC EF-X	FAN SPEED CONTROLLER, SUBSCRIPT INDICATES ASSOCIATED FAN
	M	MOTORIZED DAMPER, DAMPER ACTUATOR
	PP	PRESSURE PORT
	EF-X	SINGLE POLE SWITCH, SUBSCRIPT INDICATES ASSOCIATED FAN
	AC-#	THERMOSTAT, SUBSCRIPT INDICATES UNIT CONTROLLED
	VFD	VARIABLE FREQUENCY DRIVE
	BLK	TERMINAL
	PL	PILOT LIGHT
	CS	CURRENT SENSOR
		COIL
		CONTACT
		CONTACT, NORMALLY CLOSED
		CROSSING WIRES NOT CONNECTING
		CONNECTING WIRES
		LINE VOLTAGE BY ELECTRICAL
		LOW VOLTAGE BY MECHANICAL

MECHANICAL ABBREVIATIONS			
AC	AIR CONDITION, AIR CONDITIONING, AIR CONDITIONED	HP	HORSE POWER
ABV	ABOVE	HVI	HOME VENTILATING INSTITUTE
AFF	ABOVE FINISHED FLOOR	HZ	HERTZ
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	IDU	INDOOR UNIT
AHJ	AUTHORITY HAVING JURISDICTION	IWC	INCHES OF WATER COLUMN
AHU	AIR HANDLING UNIT	KW	KILOWATT
ALUM	ALUMINUM	LBS	POUNDS
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION	LWT	LEAVING WATER TEMPERATURE
AMB	AMBIENT	MBH	1000 BRITISH THERMAL UNITS PER HOUR
ARCH	ARCHITECT, ARCHITECTURAL	MCA	MINIMUM CIRCUIT AMPS
ARI	AMERICAN REFRIGERATION INSTITUTE AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS	MFR	MANUFACTURE OR MANUFACTURER
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS	MIN	MINIMUM
BDD	BACK DRAFT DAMPER	MUA	MAKE-UP AIR
BOD	BASIS OF DESIGN	(N)	NEW
BEL	BELOW	NL	NOT LISTED
BHP	BREAK HORSE POWER	NOM	NOMINAL
BLDG	BUILDING	NTS	NOT TO SCALE
BTUH	BRITISH THERMAL UNIT PER HOUR	OA	OUTSIDE AIR
CA	COMBUSTION AIR	OAI	OUTSIDE AIR INTAKE
CD	CONDENSATE DRAIN	OBD	OPPOSED BLADE DAMPER
CFD	CEILING FIRE DAMPER	ODU	OUTDOOR UNIT
CFM	CUBIC FEET PER MINUTE	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
CONT	CONTINUATION	PD	PRESSURE DROP
CSD	CEILING SMOKE DAMPER	PSI	POUNDS PER SQUARE INCH
DB	DRY BULB TEMPERATURE	RA	RETURN AIR
DN	DOWN	REFRIG	REFRIGERATION, REFRIGERATION
DSA	DIVISION OF THE STATE ARCHITECT	RM	ROOM
DTR	DOWN THROUGH ROOF	RPM	REVOLUTIONS PER MINUTE
(E)	EXISTING	SA	SUPPLY AIR
EA	EXHAUST AIR	SEER	SEASONAL ENERGY EFFICIENCY RATION
EC	EVAPORATIVE COOLER	SHT	SHEET
EDB	ENTERING DRY BULB TEMPERATURE	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
EER	ENERGY EFFICIENCY RATIO	SOV	SHUT OFF VALVE
EFF	EFFICIENCY	SP	STATIC PRESSURE
ELEC	ELECTRICAL	SS	STAINLESS STEEL
ESP	EXTERNAL STATIC PRESSURE	SSE	STEADY STATE EFFICIENCY
EWB	ENTERING WET BULB	SST	SATURATED SUCTION TEMPERATURE
EWT	ENTERING WATER TEMPERATURE	TEMP	TEMPERATURE, TEMPERATURE
FA	FROM ABOVE	TSP	TOTAL STATIC PRESSURE
FC	FLEXIBLE CONNECTION	TYF	TYPICAL
FD	FIRE DAMPER	TXV	THERMAL EXPANSION VALVE
FLA	FULL LOAD AMPS	UN	UNLESS OTHERWISE NOTED
FPM	FEET PER MINUTE	UTR	UP TO OR UP THROUGH ROOF
FSC	FAN SPEED CONTROLLER	VD	VOLUME DAMPER
FSD	FIRE/SMOKE DAMPER	VEX	VEHICLE EXHAUST SYSTEM
GA	GAGE, GAUGE	VRF	VARIABLE REFRIGERANT VOLUME
GALV	GALVANIZED	WB	WET BULB TEMPERATURE
GPM	GALLONS PER MINUTE	WC	WATER COLUMN
GYP	GYPSUM	WG	WATER GAUGE
HD	HEAD	WT	WEIGHT EXPRESSED IN POUNDS

MECHANICAL TITLE 24 NOTES	
1	HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE LATEST REQUIREMENTS OF THE CA ENERGY EFFICIENCY STANDARDS.
2	HVAC SYSTEMS SHALL MEET THE LATEST CONTROL REQUIREMENTS OF THE CA ENERGY EFFICIENCY STANDARDS.
3	DOORS AND WINDOWS SHALL MEET MINIMUM INFILTRATION REQUIREMENTS OF THE CA ENERGY EFFICIENCY STANDARDS.
4	ALL WORK SHALL BE IN ACCORDANCE WITH CITY CODES, CALIFORNIA ENERGY CONSERVATION STANDARDS, TITLE - 24, AND ALL OTHER APPLICABLE CODES.
5	ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE LATEST REQUIREMENTS OF THE CA ENERGY EFFICIENCY STANDARDS.

PROJECT TEAM LIST			
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ENERGY COMPLIANCE	DANICA RESURRECCION	805.540.2812	DRESURRECCION@3CENG.COM

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
MO.0	MECHANICAL GENERAL
MO.1	MECHANICAL SCHEDULES
MO.2	MECHANICAL SCHEDULES
MO.3	MECHANICAL DETAILS
MO.4	MECHANICAL DETAILS
MO.5	MECHANICAL DETAILS
M1.1	MECHANICAL FLOOR PLAN
M2.1	MECHANICAL ROOF PLAN

## CAL GREEN CODE NONRESIDENTIAL MANDATORY MEASURES

5.410.4 TESTING AND ADJUSTING. TESTING AND ADJUSTING OF SYSTEMS SHALL BE REQUIRED FOR NEW BUILDINGS LESS THAN 10,000 SQUARE FEET OR NEW SYSTEMS TO SERVE AN ADDITION OR ALTERATION SUBJECT TO 2022 CGBC 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:

- HVAC SYSTEMS AND CONTROLS
- WATER HEATING SYSTEMS
- 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.

AT A MINIMUM THE MECHANICAL CONTRACTOR SHALL OBTAIN THE LATEST START-UP CHECK LIST(S) FROM THE EQUIPMENT MANUFACTURER AND PERFORM ALL TESTS AND CHECKS APPLICABLE. AFTER COMPLETION OF THE START-UP CHECK LIST THE MECHANICAL CONTRACTOR SHALL MAKE ADJUSTMENTS TO PUT THE EQUIPMENT IN PEAK WORKING ORDER. MECHANICAL CONTRACTOR SHALL DOCUMENT ALL WORK PERFORMED. CLOSE OUT DOCUMENTATION PROVIDED TO THE GENERAL CONTRACTOR SHALL INCLUDE ALL COMPLETED CHECK LIST(S) AND DOCUMENTATION FOR ANY WORK PERFORMED. THE GENERAL CONTRACTOR SHALL SUBMIT THE CHECK LIST(S) AND WORK DOCUMENTATION TO ENGINEER OF RECORD.

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 AND BALANCING BUREAU NATIONAL STANDARDS; THE NATIONAL ENVIRONMENTAL BALANCING BUREAU PROCEDURAL STANDARDS; ASSOCIATED AIR BALANCE COUNCIL NATIONAL STANDARDS OR AS APPROVED BY THE BUILDING ENFORCING AGENCY.

SEE SPECIFICATION SECTION 23 00 13 FOR HVAC BALANCING REQUIREMENTS.

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 GUARANTEES/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 5.504 POLLUTANT CONTROL

5.504.1 TEMPORARY VENTILATION. THE PERMANENT HVAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION THE BUILDING 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 AND DURING STORAGE ON THE CONSTRUCTION SITE 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 ENTER THE SYSTEM.

5.504.4.1 ADHESIVES, SEALANTS AND CAULKS. ADHESIVES, SEALANTS, AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS:

- 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.
- 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	510
SPECIALTY APPLICATIONS	CURRENT VOC LIMIT
PVC WELDING	490
CPVC WELDING	325
ABS WELDING	250
SPECIAL PURPOSE CONTACT ADHESIVE	250

- IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.
- FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, [HTTP://WWW.ARB.CA.GOV/DRDB/SCQURH/MLR1168.PDF](http://www.arb.ca.gov/drdb/scqurh/mlr1168.pdf).

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 13. MERV 13 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. FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INDICATING THE MERV RATING.

EXCEPTIONS:

- EXISTING MECHANICAL EQUIPMENT.

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 1202 (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 1201.F (REQUIREMENTS FOR VENTILATION) OF THE 2022 CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8.

SECTION 5.508 OUTDOOR AIR QUALITY

5.508.1 OZONE DEPLETION AND GREENHOUSE GAS REDUCTIONS. INSTALLATIONS OF HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL COMPLY WITH SECTIONS 5.508.1.1 AND 5.508.1.2.

5.508.1.1 CHLOROFLUOROCARBONS (CFCs). INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFCs.

5.508.1.2 HALONS. INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN HALONS.

SECTION 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:

- STATE CERTIFIED APPRENTICESHIP PROGRAMS.
- PUBLIC UTILITY TRAINING PROGRAMS.
- TRAINING PROGRAMS SPONSORED BY TRADE, LABOR OR STATE-WIDE ENERGY CONSULTING OR VERIFICATION ORGANIZATIONS.
- PROGRAMS SPONSORED BY MANUFACTURING ORGANIZATIONS.
- OTHER PROGRAMS ACCEPTABLE TO THE ENFORCING AGENCY.

## MECHANICAL GENERAL NOTES

1 COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC); PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (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 (CENC); PART 6, TITLE 24 CCR

2022 CALIFORNIA FIRE CODE (CFC); PART 9, TITLE 24 CCR

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN); PART 11, TITLE 24 CCR

REPORT DEFICIENCIES WITHIN THIRTY (30) DAYS UPON AUTHORIZATION TO PROCEED.

2 THESE DRAWINGS ARE A GENERAL GRAPHIC PRESENTATION OF THE WORK. DUCTWORK, PIPING, AND EQUIPMENT, AS SHOWN, ARE SCHEMATIC. FABRICATE AND INSTALL BASED ON ACTUAL FIELD MEASUREMENT. COORDINATE WITH OTHER TRADES. ADHERE TO LOCATIONS AS CLOSELY AS POSSIBLE, VARY RUNS OR SHAPE OF DUCTWORK AS REQUIRED TO MEET STRUCTURAL AND OTHER INTERFERENCES AS REQUIRED BY THE ARCHITECT. PROVIDE A COMPLETE SET OF SHOP DRAWINGS REFLECTING ACTUAL DIMENSIONS, ACCESS REQUIREMENTS, AND DETAILS BASED UPON THE ACTUAL EQUIPMENT PROCURED. MAINTAIN AN UP TO DATE SET OF AS-BUILT DRAWINGS AT THE JOB SITE.

3 THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL ITEMS RELATED TO MECHANICAL SYSTEMS WITH THE WORK OF OTHER TRADES BEFORE PROCEEDING WITH PROCURING OR FABRICATING EQUIPMENT, DUCTWORK, PIPING ETC. ITEMS TO BE COORDINATED SHALL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

GRILLES, REGISTERS AND DIFFUSERS SHALL BE COORDINATED WITH THE REFLECTED CEILING PLAN.

DUCTWORK LOCATIONS AND POTENTIAL INTERFERENCES WITH STRUCTURAL MEMBERS, FRAMING, FIRE SPRINKLER LINES, PLUMBING WASTE LINES, CABLE TRAYS AND CONDUIT.

OPENINGS REQUIRED IN WALLS, FLOORS OR CEILINGS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND/OR FRAMING CONTRACTOR PRIOR TO THE START OF CONSTRUCTION TO AVOID REWORK. ANY REWORK REQUIRED SHALL BE AT NO ADDITIONAL COST TO THE OWNER.

PRIOR TO BIDDING THE PROJECT THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR TO DETERMINE WHO WILL BE RESPONSIBLE FOR PROCURING AND INSTALLING MOTOR STARTERS, CONDUIT FOR LOW VOLTAGE CONTROLS AND LINE VOLTAGE CONTROL DEVICES, SUCH AS SINGLE POLE SWITCHES.

ACCESS TO VOLUME DAMPERS FOR BALANCING. ACCESS TO ALL EQUIPMENT, AS WELL AS PLATFORM AND CURB LOCATIONS.

CONSTRUCTION OF PLATFORMS AND SHAPED RUNNERS OR OTHER MEANS TO MOUNT CURBS LEVEL. ALL PLATFORMS AND CURBS SHALL BE LEVEL UNLESS OTHERWISE NOTED OR DETAILED ON THE MECHANICAL PLANS.

4 REVIEW ALL DRAWINGS AND SPECIFICATIONS INCLUDING ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY QUESTIONS SHALL BE BROUGHT UP, IN WRITING, TO THE ATTENTION OF THE ENGINEER BEFORE THE START OF CONSTRUCTION.

5 ALL EQUIPMENT SHALL BE INSTALLED WITH SUFFICIENT ACCESS TO CONTROLS, FILTERS, ELECTRIC MOTORS, ETC. ACCESS CLEARANCE SHALL BE 30" OR AS REQUIRED BY THE EQUIPMENT MANUFACTURER, WHICH EVER IS GREATER. CONTRACTORS SHALL PROVIDE ACCESS PANELS WHERE REQUIRED. WHERE VERTICAL SPACE ALLOWS, INSTALL DUCTWORK THAT IS IN CLOSE PROXIMITY TO MECHANICAL, ELECTRICAL OR ANY OTHER ITEM THAT REQUIRES ACCESS HIGH IN THE SPACE FOR EASE OF ACCESS.

6 PRIOR TO ROUGH-IN, COORDINATE THE ORIENTATION OF ELECTRICAL BOXES WITH THE DIMENSIONS OF THE DEVICE OR WALL PLATE THAT WILL BE INSTALLED IN OR ON THE ELECTRICAL BOX TO ENSURE THAT THE DEVICE IS CORRECTLY ORIENTED AND THE BOX IS PROPERLY ALIGNED TO BE COVERED BY THE DEVICE OR WALL PLATE.

7 HANDLE, STORE AND INSTALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.

8 BRACE AND SUPPORT PIPES, CONDUIT, AND DUCTWORK IN ACCORDANCE TO SMACNA GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL AND PLUMBING PIPING SYSTEM.

9 REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS, REGISTERS, GRILLES, AND ACCESS PANELS.

10 ALL DUCT DIMENSIONS, AS SHOWN ON MECHANICAL DRAWINGS ARE CLEAR INSIDE DIMENSIONS. INCREASE OUTER DUCT DIMENSION AS REQUIRED TO ACCOUNT FOR THE THICKNESS OF INTERNAL LINING WHERE APPLICABLE.

11 INSULATION AND FLEXIBLE DUCT SHALL COMPLY WITH STATE FIRE MARSHALL CRITERIA AND SHALL NOT EXCEED FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50 PER ASTM-B4, NFPA-223, AND UL 723.

12 INSULATE PIPING AND DUCTWORK IN ACCORDANCE TO THE GOVERNING CODES.

13 COMMISSION AND START-UP THE MECHANICAL SYSTEMS TO ASSURE A COMPLETE AND OPERATIONAL HVAC SYSTEM IN ACCORDANCE WITH ASHRAE AND NEBB.

14 ALL SQUARE ELBOWS IN SUPPLY DUCTWORK SHALL HAVE TURNING VANES. PROVIDE MANUAL VOLUME DAMPER AT EACH BRANCH DUCT TAKE-OFF SERVING EACH AIR TERMINAL DEVICE. PROVIDE BALANCING DAMPERS FOR EACH MAIN DUCT TAKE-OFF IN ACCORDANCE TO SMACNA IN ORDER TO ASSURE A COMPLETELY BALANCED SYSTEM.

15 CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE MOUNTED AT THE HEIGHTS GIVEN BY SECTION 11B-308.1 OF THE 2022 CBC. NOTIFY THE ARCHITECT IMMEDIATELY IF THE MOUNTING HEIGHTS REQUIRED BY THE 2022 CBC CANNOT BE OBTAINED AT THE LOCATION WHERE THE CONTROL DEVICE IS SHOWN BY THE MECHANICAL FLOOR PLANS.

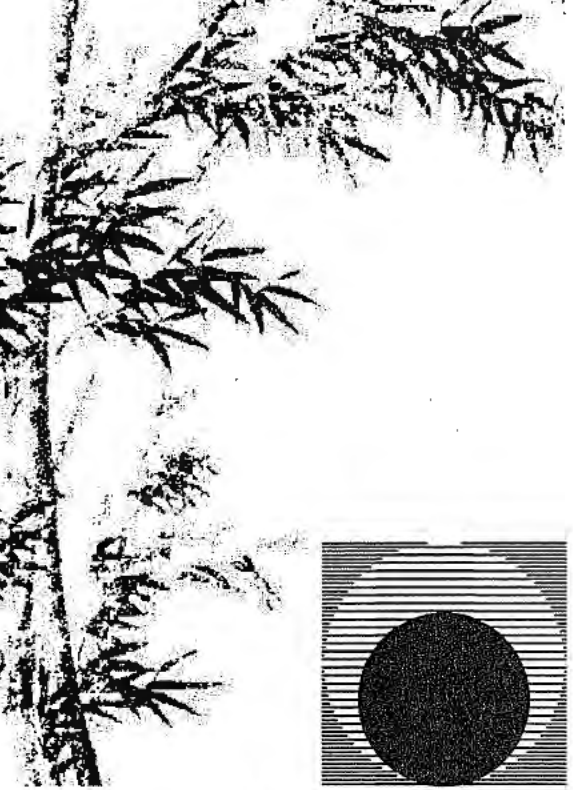
16 DUCT SMOKE DETECTORS WHEN NOT PROVIDED PRE-INSTALLED BY THE EQUIPMENT MANUFACTURER SHALL BE INSTALLED IN THE SUPPLY AIR DUCT OF AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CFM. DETECTORS SHALL BE LOCATED BETWEEN THE SUPPLY AIR DUCT CONNECTION AT THE EQUIPMENT AND THE FIRST BRANCH DUCT OR DIFFUSER. WHERE FIRE-DETECTION OR ALARM SYSTEMS ARE PROVIDED FOR THE BUILDING, ALL SMOKE DETECTORS SHALL BE SUPERVISED BY SUCH SYSTEMS IN AN APPROVED MANNER, AND INSTALLED IN ACCORDANCE WITH NFPA 72 AND THE CALIFORNIA BUILDING AND FIRE CODES.

17 ALL EQUIPMENT SHALL BE LABELED AS TO THE SPACE THEY ARE SERVING.

18 HABITABLE SPACE SHALL BE PROVIDED WITH A HEATING SYSTEM CAPABLE OF MAINTAINING A MINIMUM INDOOR TEMPERATURE OF 68°F AT A POINT 3 FEET ABOVE THE FLOOR PER 2022 CBC 1203.

19 MATERIALS EXPOSED WITHIN ANY SPACE BEING USED AS AN AIR PLENUM SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE DEVELOPED INDEX NOT GREATER THAN 50, WHEN TESTED AS A COMPOSITE PRODUCT IN ACCORDANCE WITH ONE OF THE FOLLOWING TEST METHODS: NFPA 255, METHOD OF TEST OF SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS, ASTM E84, SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS, OR UL 723, TEST FOR SURFACE BURNING CHARACTERISTIC OF BUILDING MATERIALS.

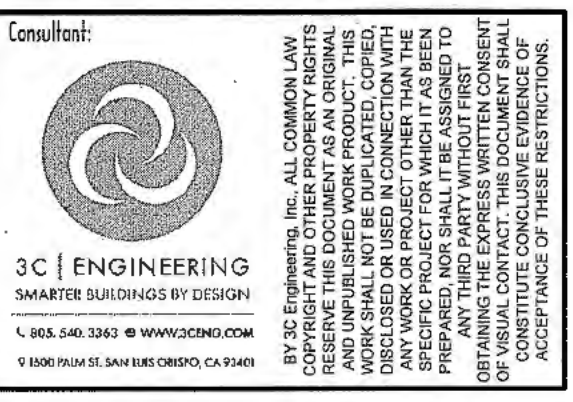
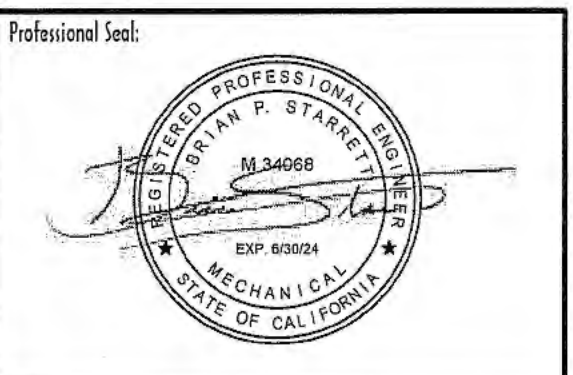
20 ANY MECHANICAL EQUIPMENT THAT PROVIDES POWER TO A ENERGIZED ACCESSORY MUST BE PROVIDED WITH A NAMEPLATE THAT REFLECTS THE ELECTRICAL CHARACTERISTICS OF THE COMPLETE SYSTEM AS INSTALLED WITH THE ENERGIZED ACCESSORY. NO EXCEPTIONS.



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Drawing Title:

Contract Document

Revision Summary:

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**MECHANICAL GENERAL**

Date: 11/16/23

Project: 22-102

Scale: PER PLAN

Sheet No.:

**MO.0**

Of # Sheets

**GAS HEATING ELECTRIC COOLING PACKAGED UNIT SCHEDULE**

TAG	MAKE	MODEL	NOM CAPACITY TONS	DUCT CONFIGURATION	REFRIGERANT	COOLING STAGES	CONDENSATE CONNECTION SIZE	ELECTRICAL DATA			AHRI RATINGS			EVAPORATOR FAN DATA					FURNACE SECTION			MERV 13 FILTER QUANTITY AND SIZE	MINIMUM OUTSIDE AIR INTAKE	WEIGHT W/ ACCESSORIES LBS	WEIGHT W/ ACCESSORIES & CURB LBS	REMARKS SEE BELOW	INSTALLATION DETAIL			
								POWER V/PHZ	MCA	FUSE SIZE	BTUH	SEER [IEER]	EER	DRIVE	CFM	ESP	HP	BHP	FAN SPEED	CONTROL	HEATING STAGES							INPUT BTUH	OUTPUT BTUH	THERMAL EFFICIENCY [AFUE]
AC 1	DAIKIN	DRG0483DL	4	DOWNFLOW	R-410A	2	3/4"	208/3/60	25.4	35	48,000	17	13	DIRECT	1,600	0.6	1	0.63	941	CONSTANT	2	70,000	56,700	[81]	(4)14x20x2	250	845	1,165	1,2,6,C1,C3	1/MO.3
AC 2	DAIKIN	DRG0363DL	3	DOWNFLOW	R-410A	2	3/4"	208/3/60	21.2	30	36,000	17	12.8	DIRECT	1,200	0.6	1	0.38	867	CONSTANT	2	45,000	36,500	[81]	(4)14x20x2	250	770	1,090	1,2,6,C1,C3	1/MO.3
AC 3	DAIKIN	DPS015A	15	DOWNFLOW	R-410A	1+1 VARIABLE	3/4"	208/3/60	68	90	188,000	[17.5]	11	DIRECT	3,675	0.75	4	1.65	2,752	CONSTANT	10:1 TURNDOWN	300,000	240,000	[81]	(6)18x24x2	100% OA	2,475	2,934	2,3,4,5,C2,C3	1/MO.3

GENERAL NOTES APPLICABLE TO ALL UNITS:  
 A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.  
 B. WEIGHT WITH ACCESSORIES INCLUDES UNIT WEIGHT WITH FACTORY ACCESSORIES AND ECONOMIZER (IF SPECIFIED).

UNIT SPECIFIC NOTES:  
 1. PROVIDE WITH MICROMETL MODEL ECD-DKN12CA-WZDH ECONOMIZER.  
 2. PROVIDE WITH VIBREX STRUCTURALLY CALCULATED SPRING ISOLATED PITCHED CURB. 14" BASE HEIGHT. CONTRACTOR TO VERIFY PITCH OF ROOF BEFORE PURCHASING PITCHED CURB.  
 3. PROVIDE WITH PREMIUM EFFICIENCY MOTOR.  
 4. PROVIDE WITH STAINLESS STEEL DRAIN PAN.  
 5. PROVIDE WITH 14" SWSI AIR FLOW FAN.  
 6. PROVIDE WITH 12" SWSI AIR FLOW FAN.

CONTROL NOTES:  
 C1. PROVIDE WITH HONEYWELL MODEL TH8321WF1001 VISION PRO Wi-Fi CAPABLE PROGRAMMABLE THERMOSTAT.  
 C2. PROVIDE WITH MANUFACTURER'S MODEL #910143408 SPACE THERMOSTAT COMPATIBLE WITH MICROTECH III UNIT CONTROLLER.  
 C3. UNIT SHALL HAVE AUTOMATIC SHUT DOWN UPON SMOKE DETECTION PER THE 2022 CMC SECTION 609. REFER TO DETAIL 4M0.4.

**POWER EXHAUST SCHEDULE**

TAG	MATCHING UNIT TAG	MAKE	MODEL	ELECTRICAL DATA			FAN DATA					REMARKS SEE BELOW	INSTALLATION DETAIL	
				POWER V/PHZ	FLA	POWERED BY ASSOCIATED UNIT	CFM	ESP	WATTS [HP]	TYPE	MODULATING			WEIGHT LBS
PE 1	AC 1	MCDANIEL METALS	145-DK-0362	208/3/60	4.2	NO	1,600	0.6"	[0.86]	CENTRIFUGAL	YES	195	C1	2/MO.5
PE 2	AC 2	MCDANIEL METALS	145-DK-0362	208/3/60	4.2	NO	1,200	0.6"	[0.86]	CENTRIFUGAL	YES	195	C1	2/MO.5

GENERAL NOTES APPLICABLE TO ALL UNITS:  
 A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.

CONTROL NOTES:  
 C1. POWER EXHAUST SHALL MODULATE TO MAINTAIN 0.05" WC IN THE SPACE SERVED BY THE MATCHING UNIT.

**DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE**

TAG	MAKE	NOMINAL TONS	REFRIGERANT	ARI PERFORMANCE						INDOOR UNIT						OUTDOOR UNIT						REMARKS SEE BELOW			
				COOLING BTUH	HEATING BTUH AT 47°F	HEATING BTUH AT 17°F	SEER [SEER2]	EER [EER2]	HSPF [HSPF2]	MODEL	INSTALLATION TYPE	POWER V/PHZ	MCA	MOC	CFM	WATTS	OPERATING WEIGHT IN LBS	INSTALLATION DETAIL	MODEL	POWER V/PHZ	MCA		MOC	OPERATING WEIGHT IN LBS	INSTALLATION DETAIL
DS 1	DAIKIN	1.5	R-410A	18,000	20,000	12,900	[18.5]	[13]	[9.2]	FAQ18TAVJU	HIGH WALL	208/1/60	0.5	15	500	43	35	7/MO.3	RZQ18TBVJU	208/1/60	16.5	20	175	3/MO.3	1,C1
DS 2	DAIKIN	3	R-410A	34,400	36,000	22,800	15.9	9.1	9.2	FTX36NVJU	HIGH WALL	POWERED BY ODU			915	64	40	7/MO.3	RX36NMVJU	208/1/60	19.8	20	135	3/MO.3	2,C2

GENERAL NOTES APPLICABLE TO ALL UNITS:  
 A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.  
 B. SIZE REFRIGERATION LINES PER THE MANUFACTURER'S REQUIREMENTS FOR TOTAL DEVELOPED LINE LENGTH.

UNIT SPECIFIC NOTES:  
 1. UNIT SHALL BE CONFIGURED FOR COOLING ONLY.  
 2. PROVIDE WITH MANUFACTURER'S DACA-CP-1-1. PUMP SHALL BE INTERNALLY MOUNTED WITHIN THE INDOOR UNIT AND WIRED TO THE TERMINAL STRIP. NO EXPOSED INSTALLATIONS ALLOWED.

CONTROL NOTES:  
 C1. PROVIDE WITH MANUFACTURER'S BRC1E73 WIRED CONTROLLER.  
 C2. PROVIDE WITH MANUFACTURER'S BRC94B2 WIRED CONTROLLER.

**FAN COIL UNIT SCHEDULE**

TAG	MATCHING UNIT TAG	MAKE	MODEL	NOM TONS	REFRIGERANT	FAN				OAI CFM	ELECTRICAL DATA			ARI PERFORMANCE						OPERATING WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL
						CFM	SPEED	ESP	WATTS [BHP]		POWER V/PHZ	MCA	MOC	COOLING BTUH	SEER [IEER]	EER	HEATING BTUH AT 47°F	HEATING BTUH AT 17°F	HSPF [COP]			
FC 1	HPC 1	DAIKIN	FDMQ12RVJU	1	R-410A	400	HIGH	0.6	130	100	NOTE B			10,800	19.4	11.6	13,600	8,500	10.6	65	1,2,C1	6/MO.3
FC 2	HPC 2	DAIKIN	FDMQ18RVJU	1.5	R-410A	675	HIGH	0.6	230	150	NOTE B			17,600	18.5	12.5	21,600	13,600	10.3	85	1,3,C1,C2	6/MO.3

GENERAL NOTES APPLICABLE TO ALL UNITS:  
 A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.  
 B. INDOOR FAN COIL IS POWERED BY OUTDOOR UNIT.  
 C. UNIT IS PROVIDED WITH INTERNAL CONDENSATE PUMP.

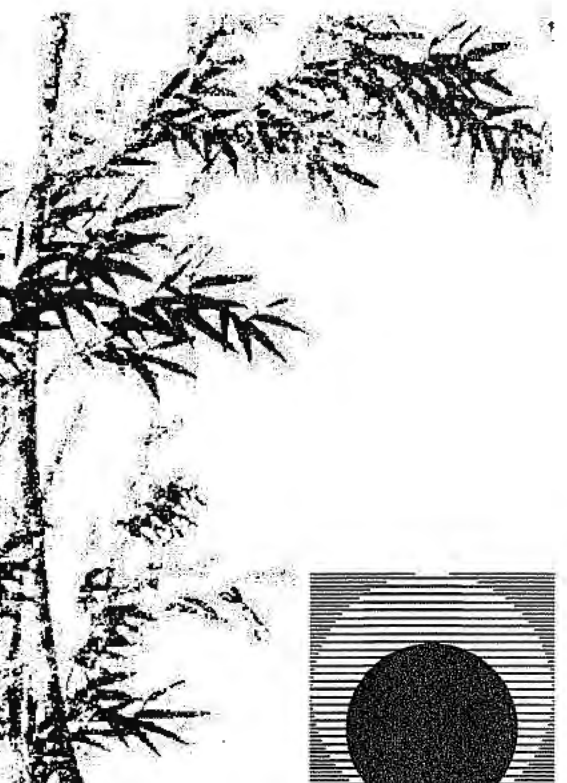
UNIT SPECIFIC NOTES:  
 1. PROVIDE WITH RECTORSEAL SAFE-T-SWITCH CONDENSATE SAFETY SWITCH INSTALLED IN THE COOLING COIL OVERFLOW DRAIN CONNECTION. SWITCH SHALL BE WIRED TO THE FAN COIL CONTROLS TO SHUT THE UNIT DOWN WHEN CONDENSATE OVERFLOW IS DETECTED.  
 2. PROVIDE WITH MANUFACTURER'S MODEL DFBS27A13 FILTER BOX WITH MERV 13 FILTER.  
 3. PROVIDE WITH MANUFACTURER'S MODEL DFBS39A13 FILTER BOX WITH MERV 13 FILTER.

CONTROL NOTES:  
 C1. PROVIDE WITH MANUFACTURER'S MODEL BRC1E73 WIRED PROGRAMMABLE THERMOSTAT.  
 C2. UNIT TO OPERATE IN OCCUPIED STANDBY MODE WHEN ROOM IS UNOCCUPIED FOR MORE THAN 5 MINUTES. IN OCCUPIED STANDBY MODE THE COOLING TEMPERATURE SETPOINT IS TO AUTOMATICALLY SETUP BY 2°F AND THE HEATING TEMPERATURE SETPOINT IS TO AUTOMATICALLY SETBACK BY 2°F OR MORE. OCCUPIED STANDBY MODE SHALL BE CONTROLLED BY OCCUPANCY SENSOR, PROVIDED BY ELECTRICAL, FOR THE SPACE SERVED.

**HEAT PUMP CONDENSING UNIT SCHEDULE**

TAG	MATCHING UNIT TAG	MAKE	MODEL	NOM TONS	REFRIGERANT	ELECTRICAL DATA			ARI PERFORMANCE					PIPING SIZE		OPERATING WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL	
						POWER V/PHZ	MCA	MOC	COOLING BTUH	SEER [IEER]	EER	HEATING BTUH AT 47°F	HEATING BTUH AT 17°F	HSPF [COP] AT 47°F	LIQUID				SUCTION
HPC 1	FC 1	DAIKIN	RX12RMVJUBA	1	R-410A	208/1/60	9.1	15	10,800	19.4	11.6	13,600	8,500	[3.7]	NOTE B	NOTE B	60	NA	3/MO.3
HPC 2	FC 2	DAIKIN	RX18RMVJUBA	1.5	R-410A	208/1/60	12.8	15	17,600	18.5	12.5	21,600	13,600	10.3	NOTE B	NOTE B	100	NA	3/MO.3

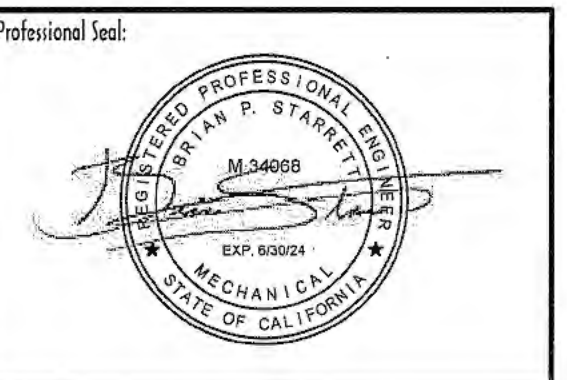
GENERAL NOTES APPLICABLE TO ALL UNITS:  
 A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.  
 B. SIZE REFRIGERATION LINES PER MANUFACTURER'S REQUIREMENTS FOR TOTAL DEVELOPED LINE LENGTH.



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Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

Sheet Description:  
**MECHANICAL SCHEDULES**

Date: 11/16/23  
 Project: 22-102  
 Scale: PER PLAN  
 Sheet No.: **MO.1**  
 Of # Sheets

COMMERCIAL GRILLE, REGISTER, DIFFUSER, LOUVER SCHEDULE

FD = FIRE DAMPER  
 FSD = FIRE/SMOKE DAMPER  
 OAI = OUTSIDE AIR INTAKE  
 X"Ø = INLET SIZE (IF APPLICABLE)

CFM  
 DIFFUSER, GRILLE, LOUVER  
 NECK SIZE (length x width or length x height)  
 MARK: S = SUPPLY, R = RETURN, E = EXHAUST, T = TRANSFER, L = LOUVER

CEILING SUPPLY DEFLECTION LEGEND (EXCEPT FOR 4-WAY DEFLECTION, SHADING INDICATES ACTIVE SECTION OF DIFFUSER)

4-WAY 3-WAY 2-WAY CORNER 2-WAY OPPOSITE 1-WAY

TAG	TYPE	MAKE	MODEL	BORDER TYPE		CONSTRUCTION	FINISH	IMAGE	REMARKS	INSTALLATION DETAIL
				GYP BOARD CEILING OR WALL	LAY-IN CEILING					
S1	CEILING SUPPLY	TITUS	TDC	1	3	STEEL	WHITE		MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND FRAMING CONTRACTOR TO INSURE OPENINGS IN HARD CEILINGS AND WALLS ARE CORRECTLY SIZED TO ACCOMMODATE THE SPECIFIED BORDER TYPE. NO EXCEPTIONS	7/MO.4
S2	CEILING SUPPLY	KEES	SSLSD	1	2	STAINLESS STEEL	SATIN POLISH		MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND FRAMING CONTRACTOR TO INSURE OPENINGS IN HARD CEILINGS AND WALLS ARE CORRECTLY SIZED TO ACCOMMODATE THE SPECIFIED BORDER TYPE. NO EXCEPTIONS	7/MO.4
S3	SIDEWALL MOUNTED SUPPLY SINGLE DEFLECTION	TITUS	301RL	1	NA	STEEL	WHITE		MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND FRAMING CONTRACTOR TO INSURE OPENINGS IN HARD CEILINGS AND WALLS ARE CORRECTLY SIZED TO ACCOMMODATE THE SPECIFIED BORDER TYPE. NO EXCEPTIONS	NA
R1 E1	CEILING OR SIDEWALL RETURN AND EXHAUST	TITUS	350RL	1	3	STEEL	WHITE		MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND FRAMING CONTRACTOR TO INSURE OPENINGS IN HARD CEILINGS AND WALLS ARE CORRECTLY SIZED TO ACCOMMODATE THE SPECIFIED BORDER TYPE. NO EXCEPTIONS	7/MO.4
E2	CEILING OR SIDEWALL RETURN AND EXHAUST	TITUS	350RL-SS	1	3	STAINLESS STEEL	MILL		MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND FRAMING CONTRACTOR TO INSURE OPENINGS IN HARD CEILINGS AND WALLS ARE CORRECTLY SIZED TO ACCOMMODATE THE SPECIFIED BORDER TYPE. NO EXCEPTIONS	7/MO.4

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EXHAUST FAN SCHEDULE

TAG	MAKE	MODEL	TYPE	FAN				MOTOR		ACCESSORIES				OPERATING WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL		
				CFM	ESP	RPM	SONES (DBA)	DRIVE	POWER V/PHZ	WATTS (HP)	BIRD GUARD	BACKDRAFT DAMPER	ROOF CURB				ROOF JACK	WALL CAP
EF 1	GREENHECK	CUE-080-G	ROOF UPBLAST	100	0.125	1149	2	DIRECT	120/180	[1/100]	YES	YES	YES	NO	NO	40	1,C3	8/MO.3
EF 2	GREENHECK	SP-A110	CEILING	75	0.125	712	0.3	DIRECT	120/180	7	YES	YES	NO	YES	NO	20	1,C2	10/MO.3
EF 3	GREENHECK	SP-A110	CEILING	75	0.125	712	0.3	DIRECT	120/180	7	YES	YES	NO	YES	NO	20	1,C2	10/MO.3
EF 4	GREENHECK	SP-A110	CEILING	75	0.125	712	0.3	DIRECT	120/180	7	YES	YES	NO	YES	NO	20	1,C1	10/MO.3
EF 5	GREENHECK	VEKTOR-H-16	ROOF FUME EXHAUST	3,775	0.877	2,220	[76]	DIRECT	208/360	[2.05]	YES	YES	YES	NO	NO	615	2,3,C4,C5	9/MO.3
EF 6	GREENHECK	VEKTOR-H-10	ROOF FUME EXHAUST	1,000	0.568	3,500	[72]	DIRECT	208/360	[0.59]	YES	YES	YES	NO	NO	370	2,3,C1	9/MO.3

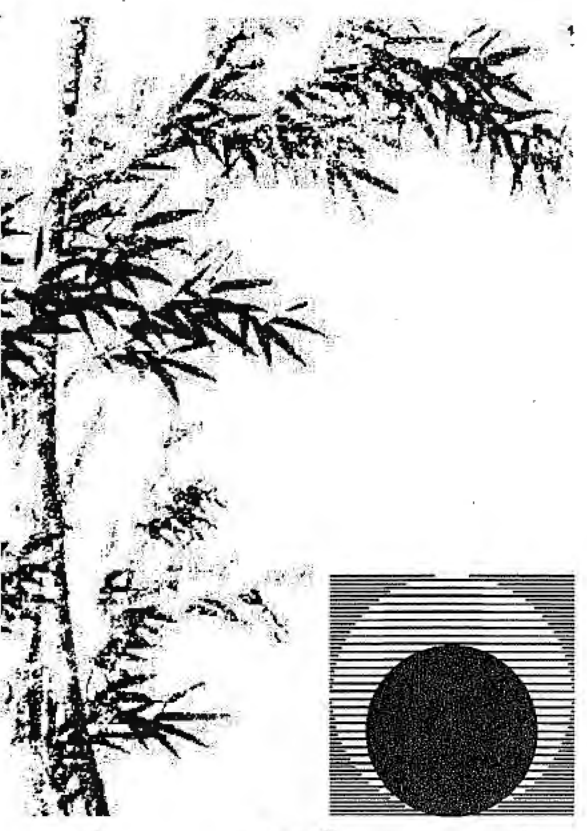
GENERAL NOTES APPLICABLE TO ALL UNITS:  
 A. DISCONNECT PROVIDED BY ELECTRICAL CONTRACTOR.  
 B. FAN SPEED CONTROLLERS SHALL BE PROVIDED FROM THE FACTORY WITH THE SPEED CONTROLLER INTERNALLY MOUNTED WITHIN THE FAN HOUSING AND WIRED.

UNIT SPECIFIC NOTES:  
 1. PROVIDE WITH MANUFACTURER'S FAN SPEED CONTROLLER (FSC).  
 2. PROVIDE WITH MANUFACTURER'S VARIABLE FREQUENCY DRIVE (VFD).  
 3. PROVIDE WITH VIBREX STRUCTURALLY CALCULATED, SPRING ISOLATED VIC-EQ PITCHED CURB. 14" BASE HEIGHT. CONTRACTOR TO VERIFY PITCH OF ROOF BEFORE PURCHASING PITCHED CURB.

CONTROL NOTES:  
 C1. CONTROL WITH SINGLE POLE SWITCH, REFER TO FLOOR PLAN FOR LOCATION. SWITCH PROVIDED AND INSTALLED BY ELECTRICAL.  
 C2. INTERLOCK FAN WITH ROOM LIGHTING CONTROLS SO THAT THE FAN ENERGIZES WHEN THE ROOM LIGHTS ARE TURNED ON. PROVIDE 5 MINUTE TIMED DELAY OFF. INTERLOCK AND TIME DELAY BY ELECTRICAL.  
 C3. INTERLOCK FAN WITH SUPPLY FAN IN FAN COIL FC-1 SO THAT THE EXHAUST FAN IS POWERED WHEN THE SUPPLY FAN IN FC-1 ENERGIZES. REFER TO DETAIL 1/MO.5.  
 C4. INTERLOCK FAN WITH SUPPLY FAN IN UNIT AC-3 SO THAT THE EXHAUST FAN IS POWERED WHEN THE SUPPLY FAN IN AC-3 ENERGIZES. REFER TO DETAIL 1/MO.5.  
 C5. EXHAUST FAN SHALL MODULATE TO MAINTAIN A NEGATIVE 0.05" WC IN THE SPACE IT IS SERVING.

INTAKE / RELIEF HOOD SCHEDULE

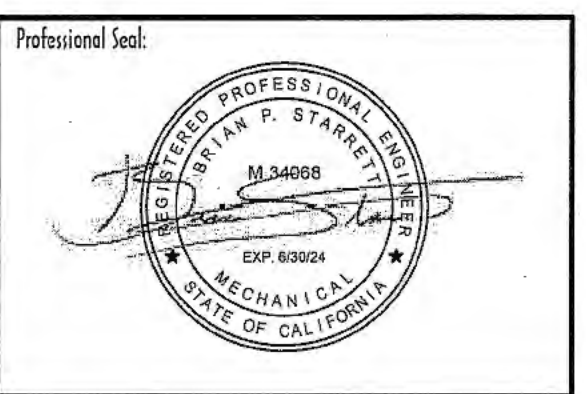
TAG	MAKE	MODEL	THROAT SIZE INCHES	THROAT AREA IN FT²	CFM	SP	THROAT VELOCITY FPM	ACCESSORIES			WEIGHT LBS	REMARKS SEE BELOW	INSTALLATION DETAIL
								BIRD GUARD	BACKDRAFT DAMPER	ROOF CURB			
IH 1	GREENHECK	GRSI-8	8	0.37	100	0.05	270	YES	YES	YES	25	NA	1/MO.4
IH 2	GREENHECK	GRSI-8	8	0.37	100	0.05	405	YES	YES	YES	25	NA	1/MO.4
IH 3	GREENHECK	FGI	18X18	2.25	1,000	0.05	444	YES	YES	YES	80	NA	2/MO.4
RH 1	GREENHECK	FGR	20X30	4.17	1,900	0.05	456	YES	NO	YES	105	NA	2/MO.4



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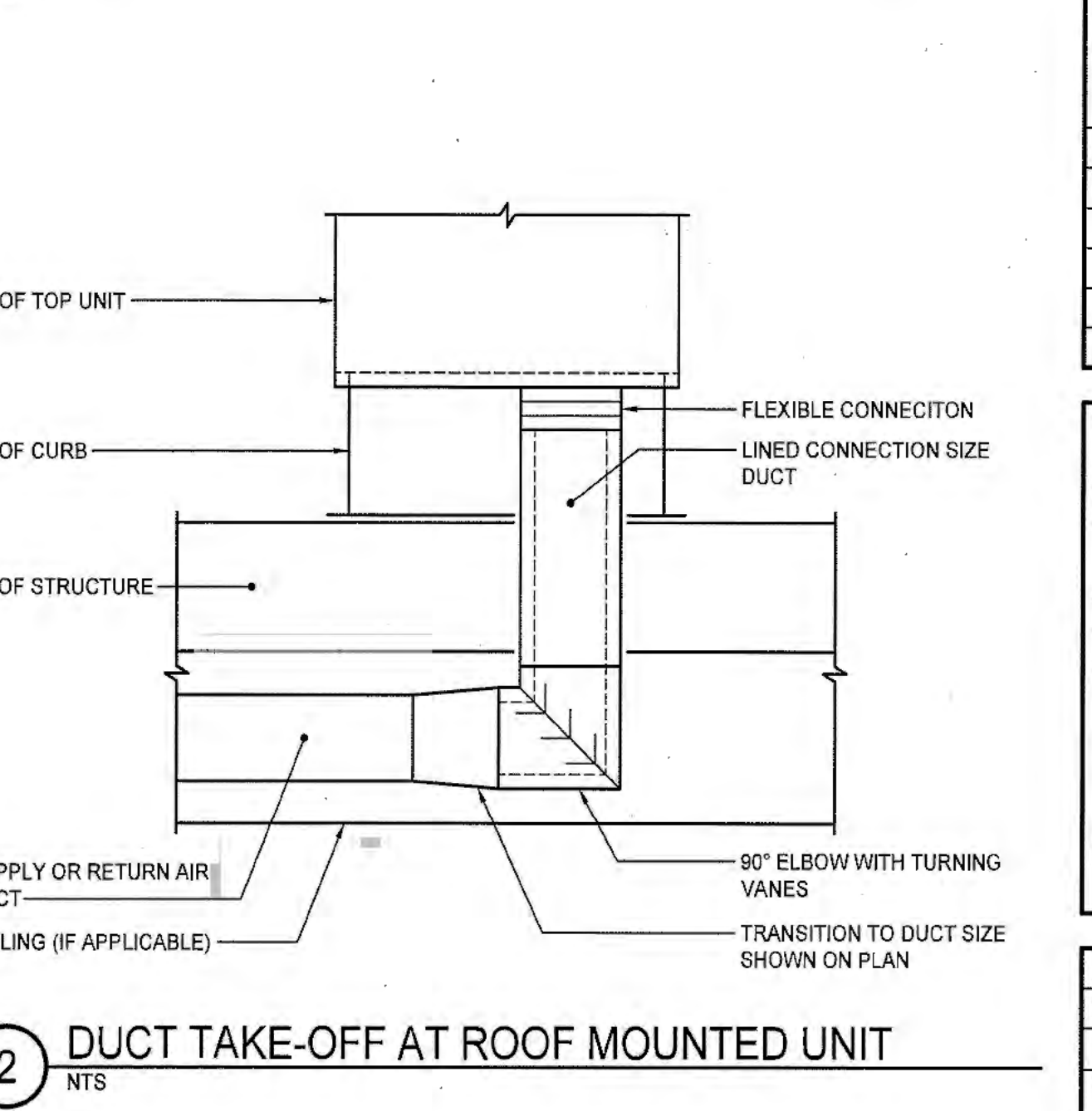
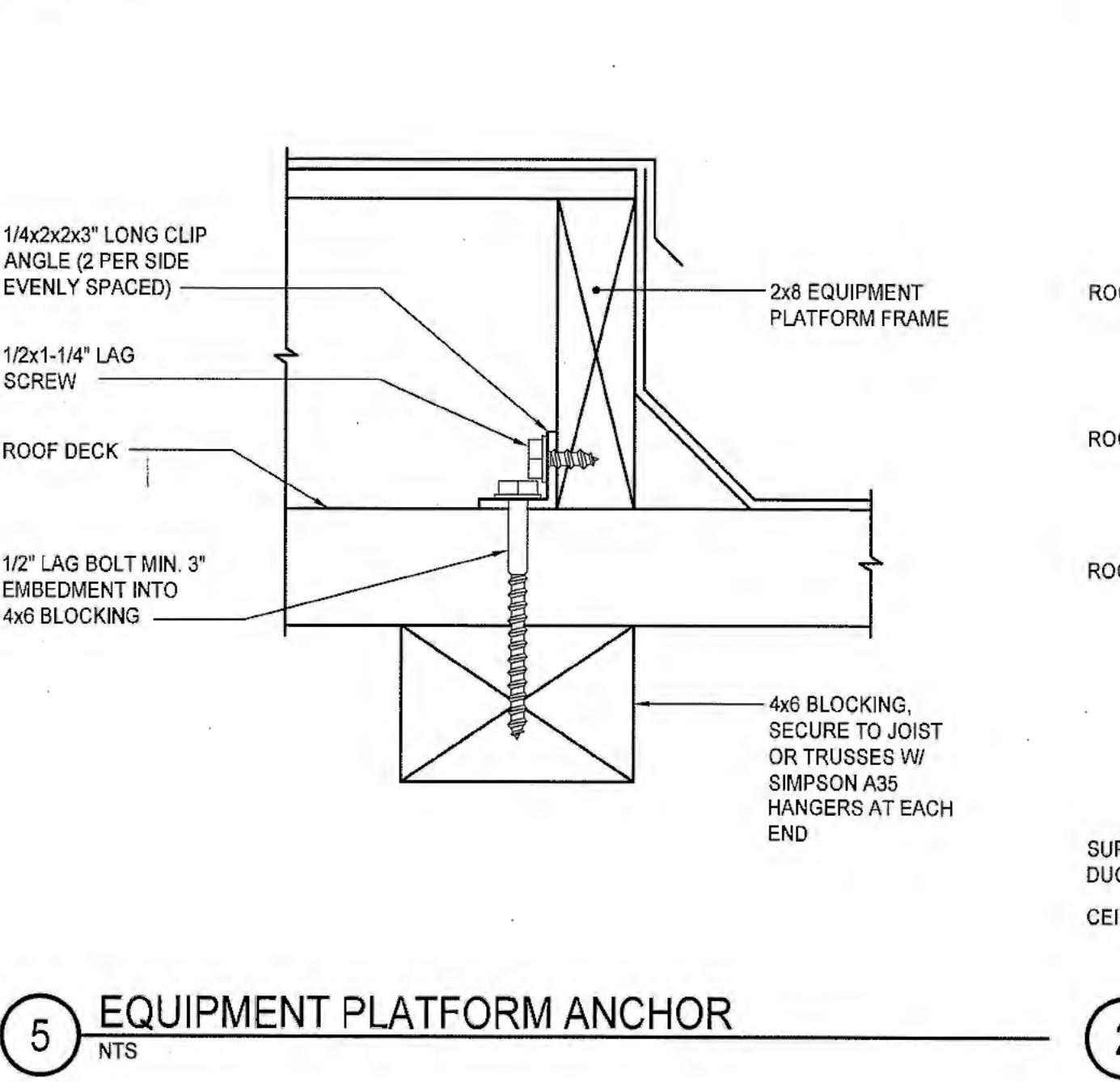
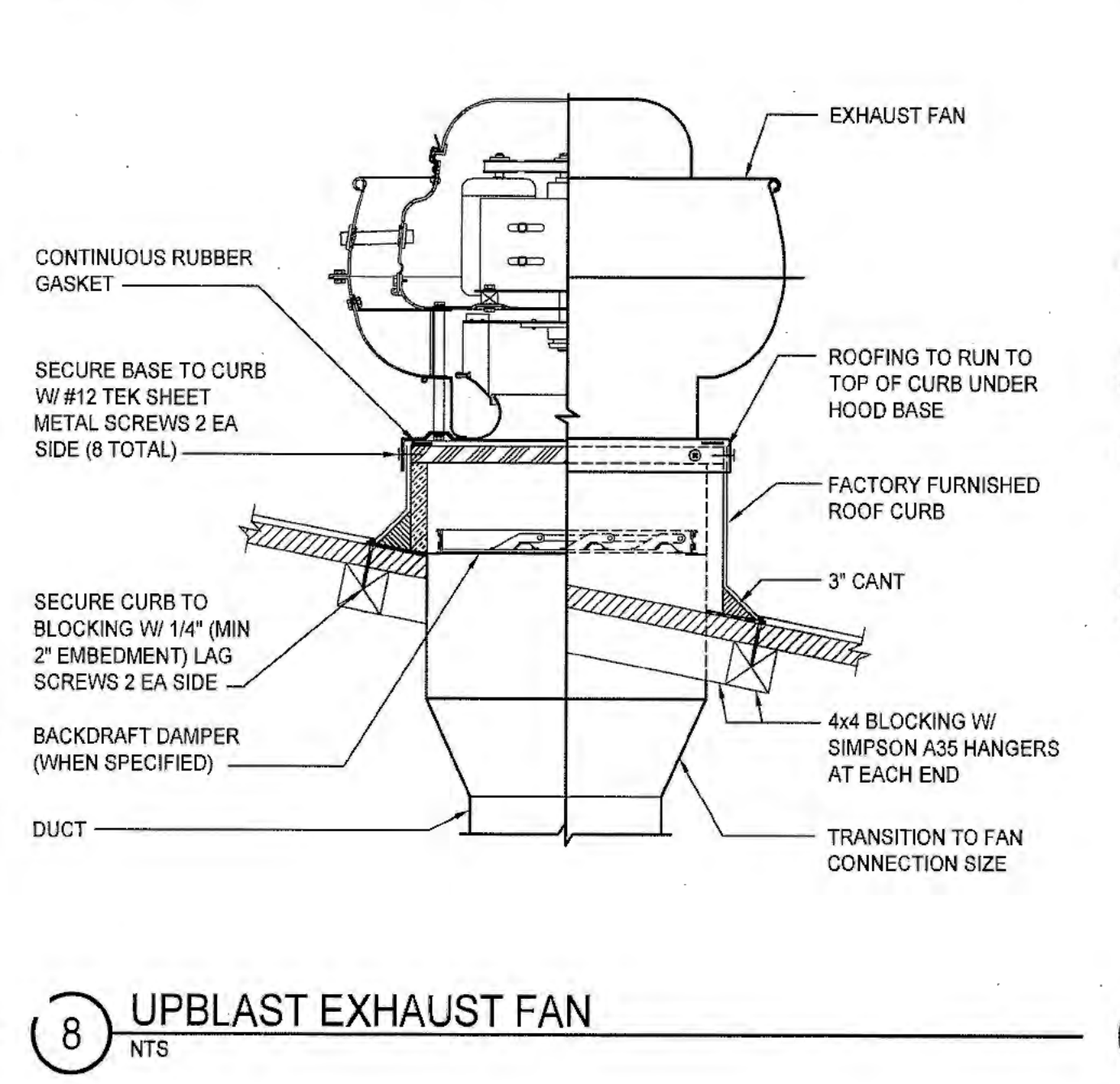
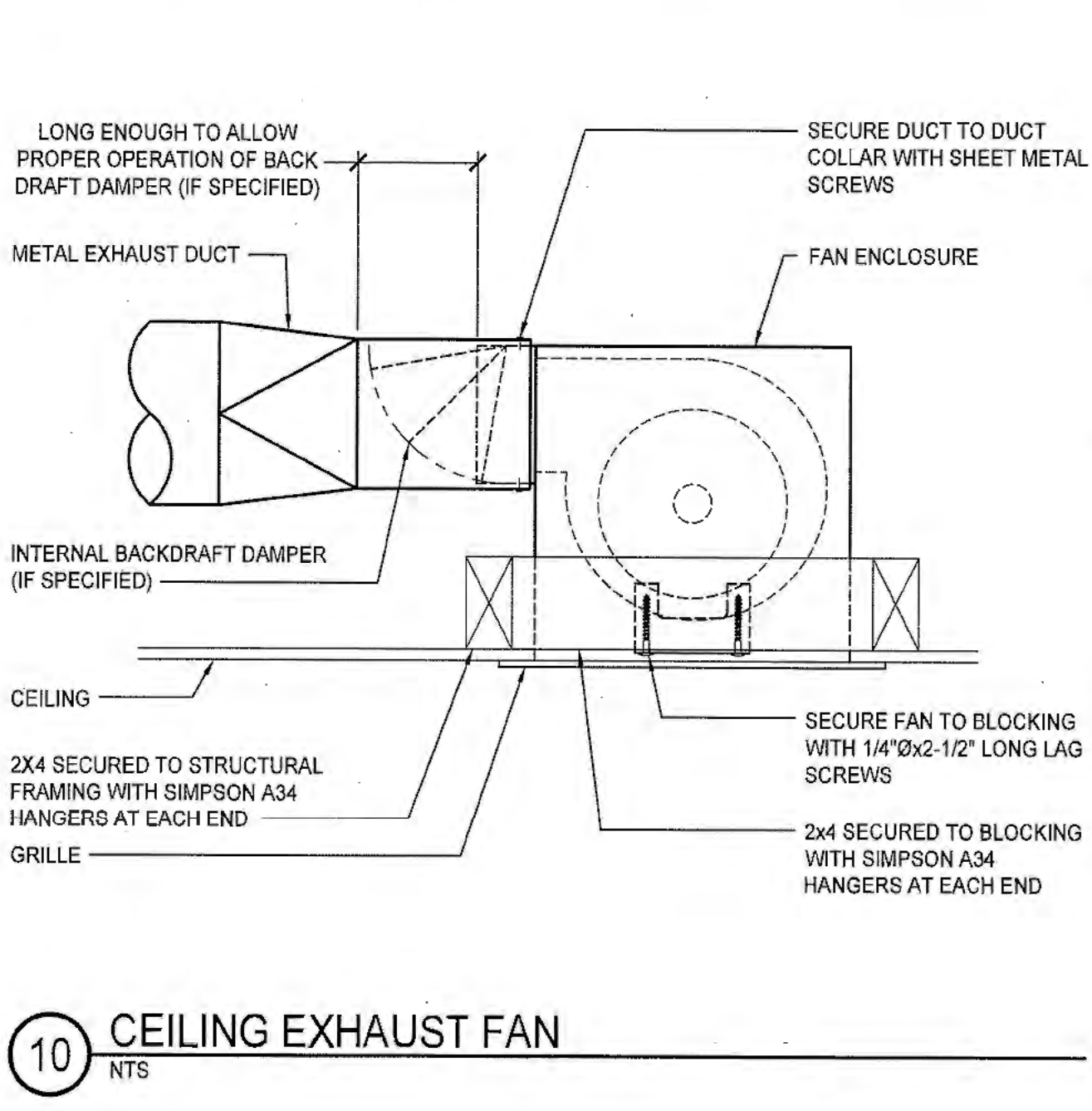
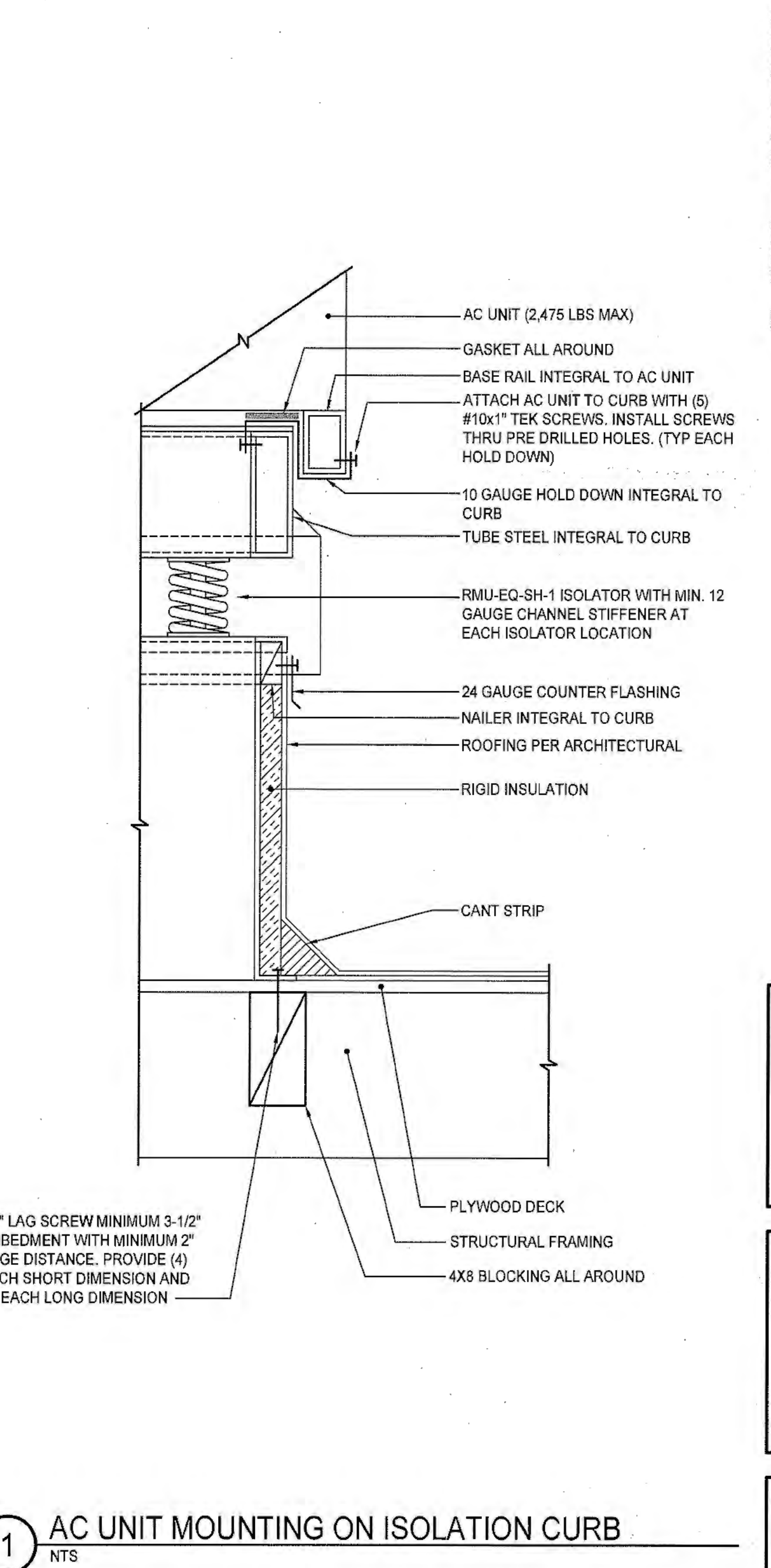
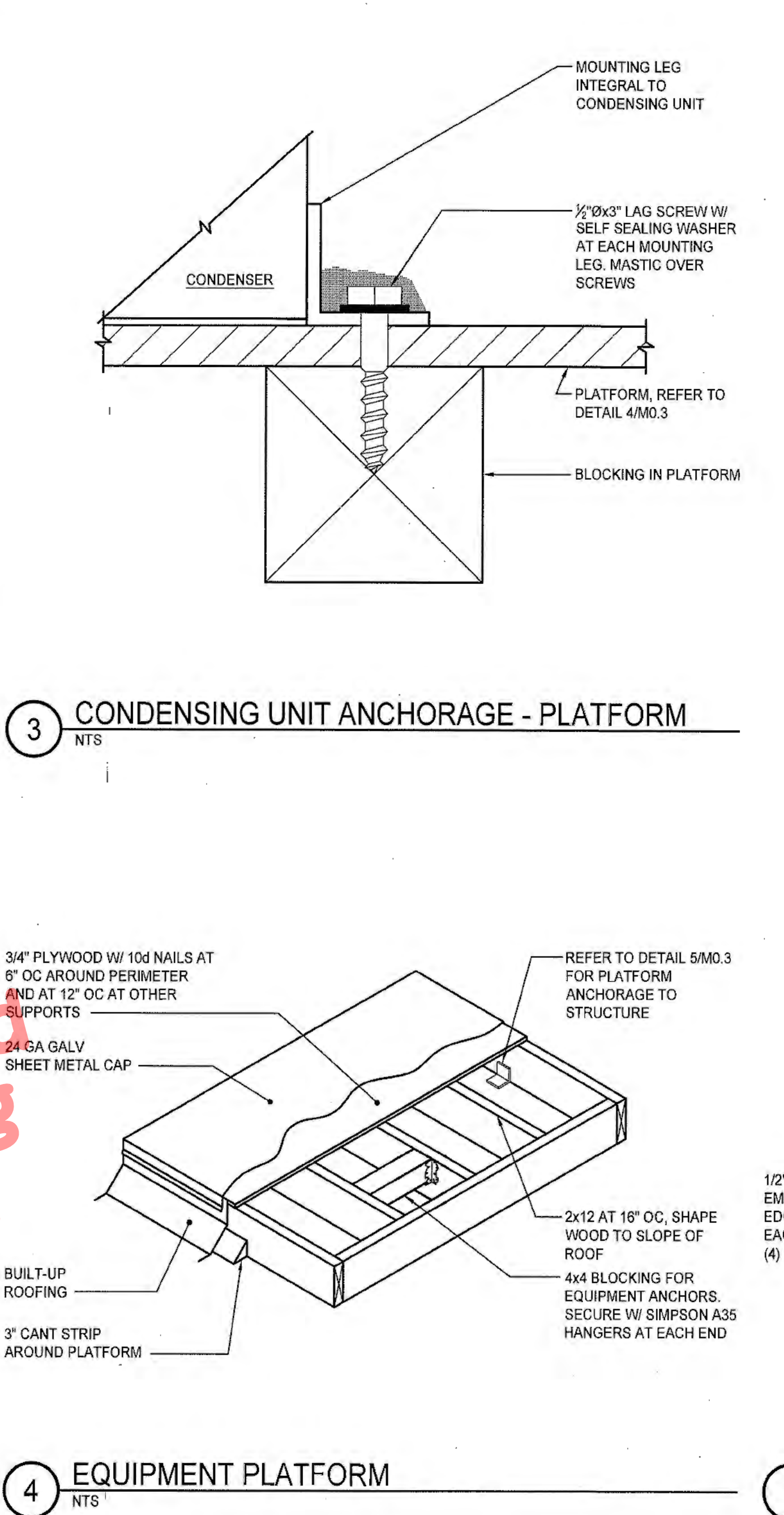
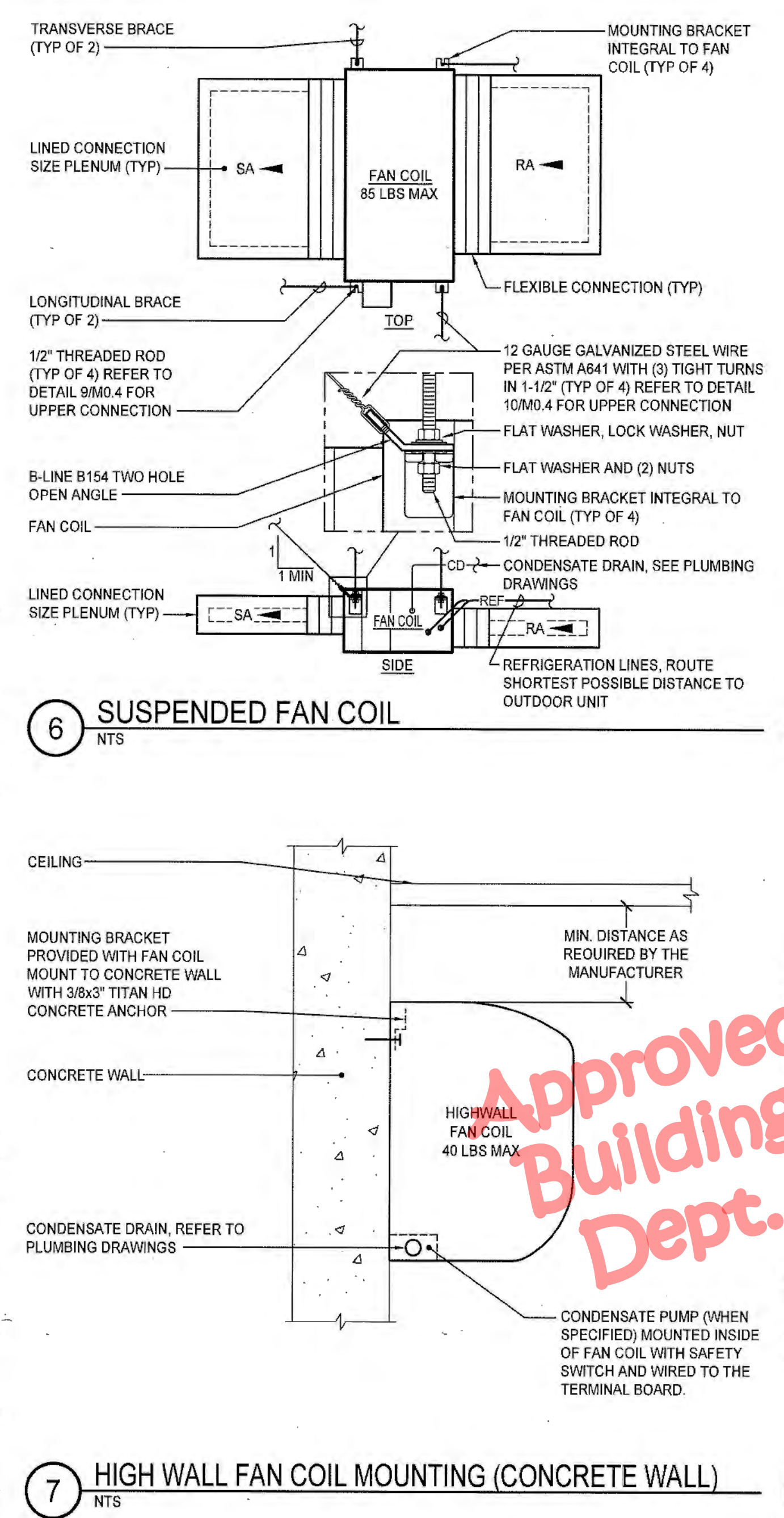
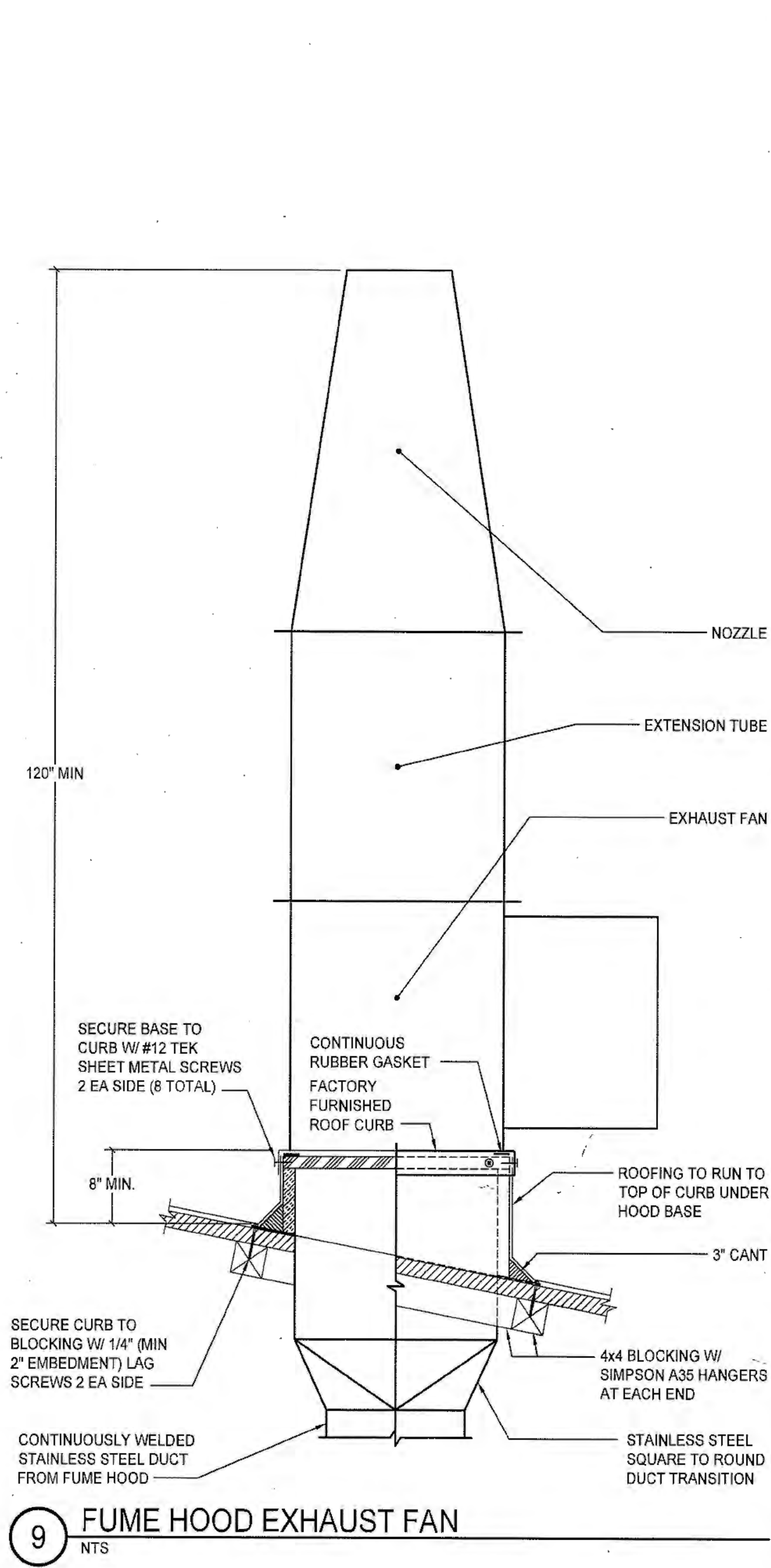
Revision Summary:


Project:  
 New Morgue Building  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
 MECHANICAL SCHEDULES

Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	<b>MO.2</b>

Of # Sheets



9 FUME HOOD EXHAUST FAN  
NTS

7 HIGH WALL FAN COIL MOUNTING (CONCRETE WALL)  
NTS

4 EQUIPMENT PLATFORM  
NTS

1 AC UNIT MOUNTING ON ISOLATION CURB  
NTS

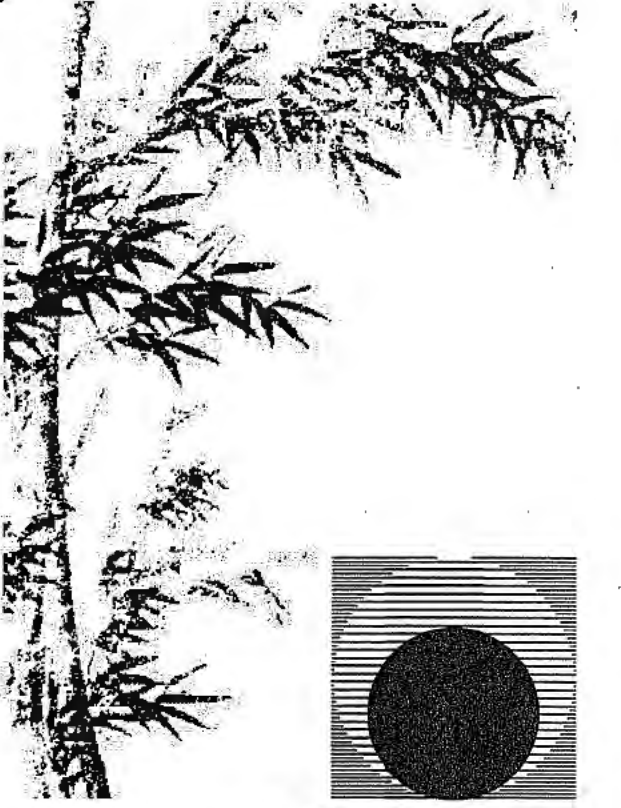
10 CEILING EXHAUST FAN  
NTS

8 UPBLAST EXHAUST FAN  
NTS

5 EQUIPMENT PLATFORM ANCHOR  
NTS

2 DUCT TAKE-OFF AT ROOF MOUNTED UNIT  
NTS

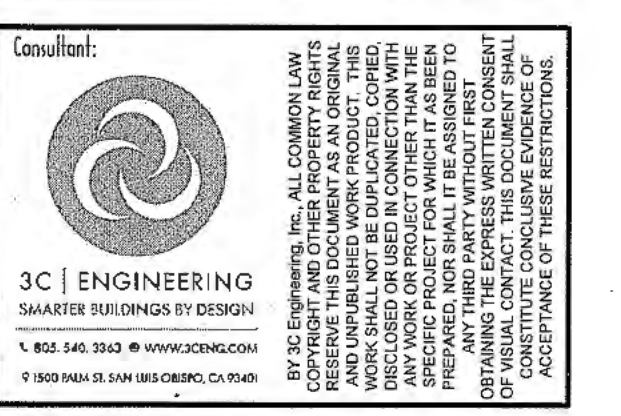
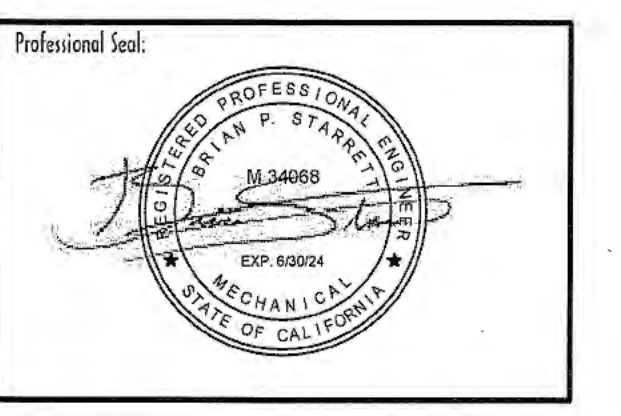
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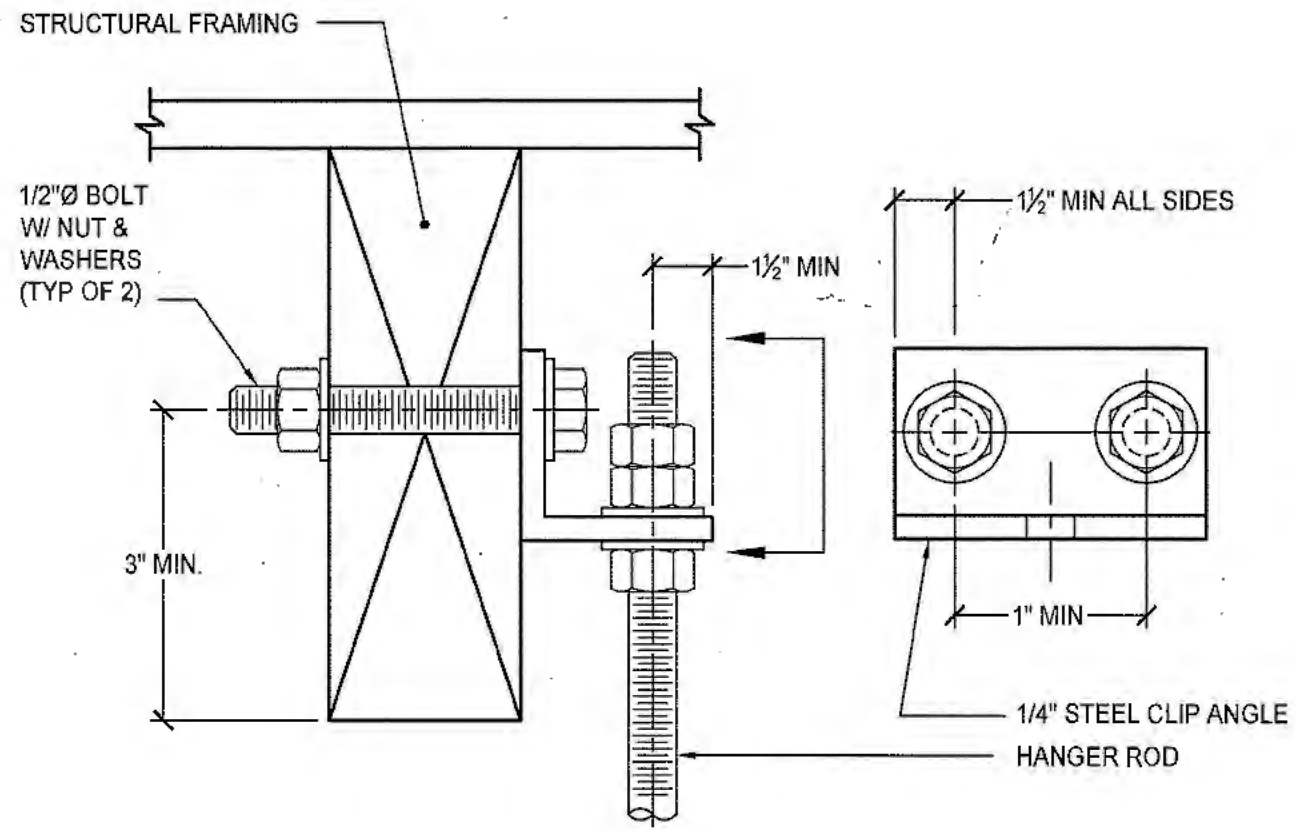
Revision Summary:


Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

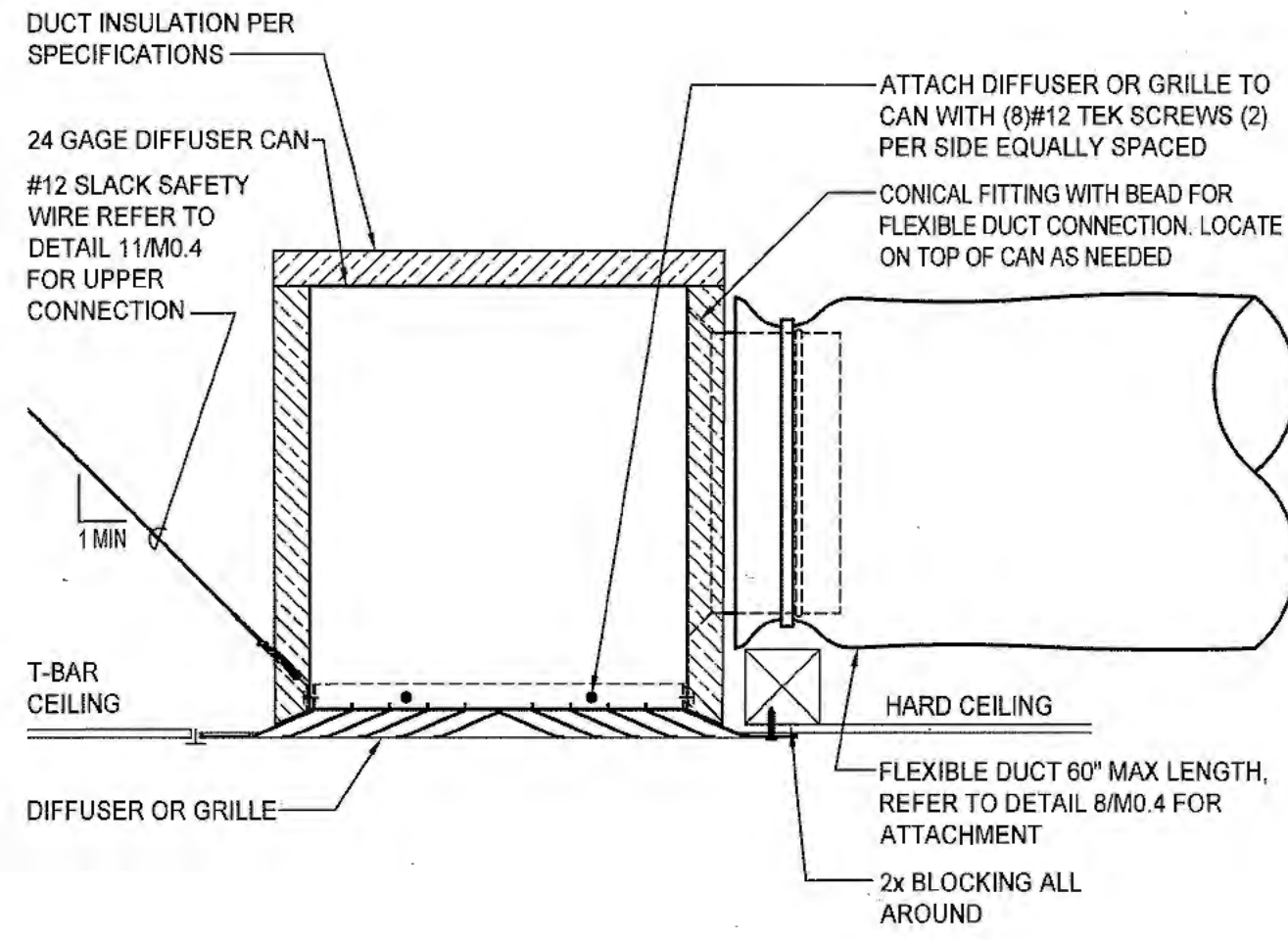
Sheet Description:  
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Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	<b>MO.3</b>
Of # Sheets:	

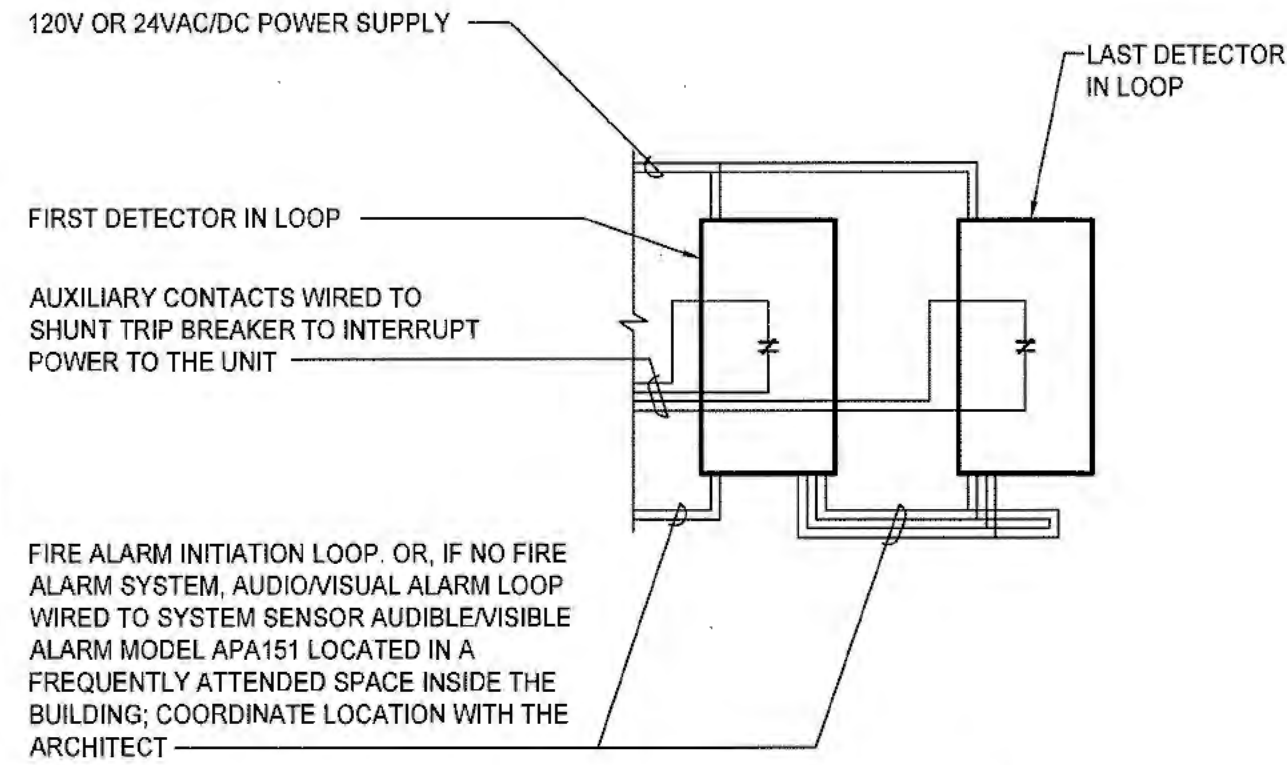
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9 SUPPORT CONNECTION  
NTS



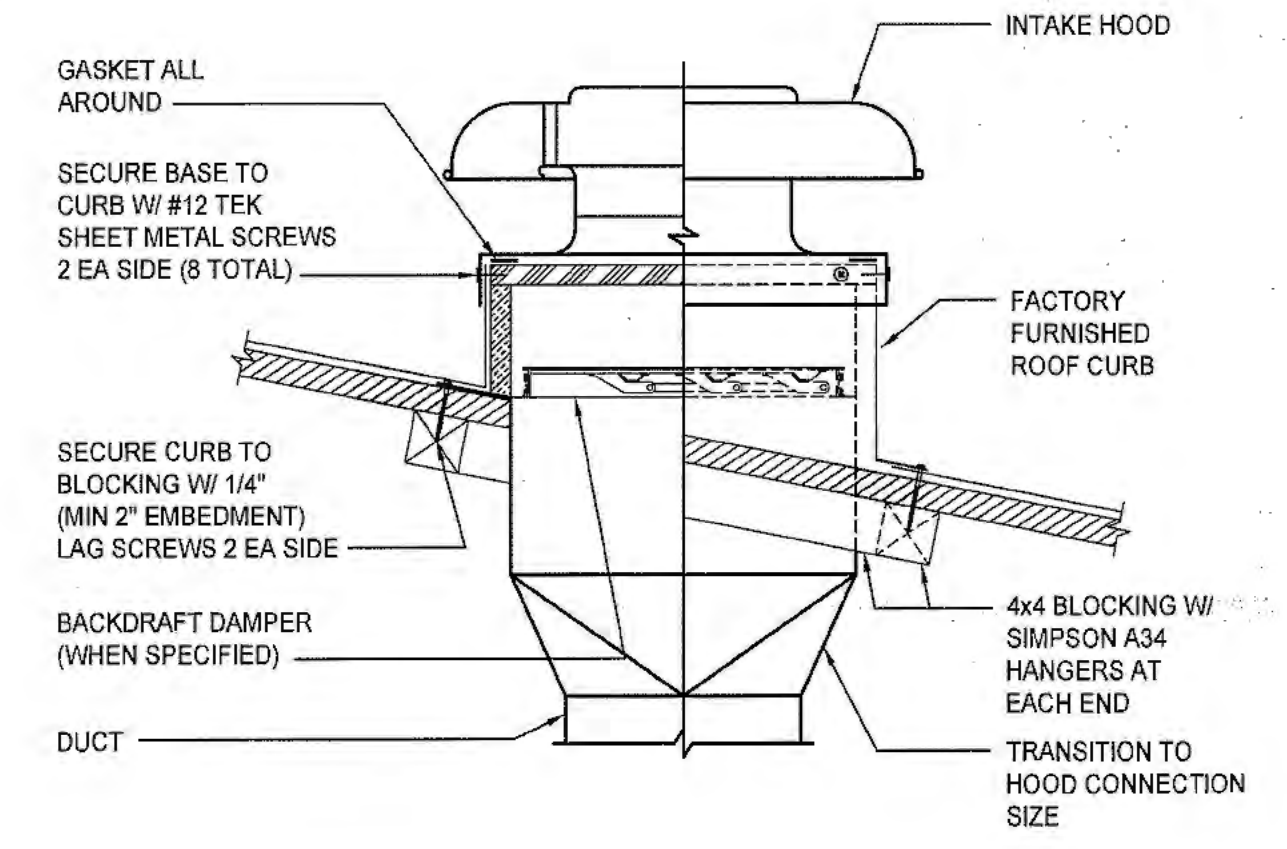
7 DIFFUSER OR GRILLE INSTALLATION  
NTS



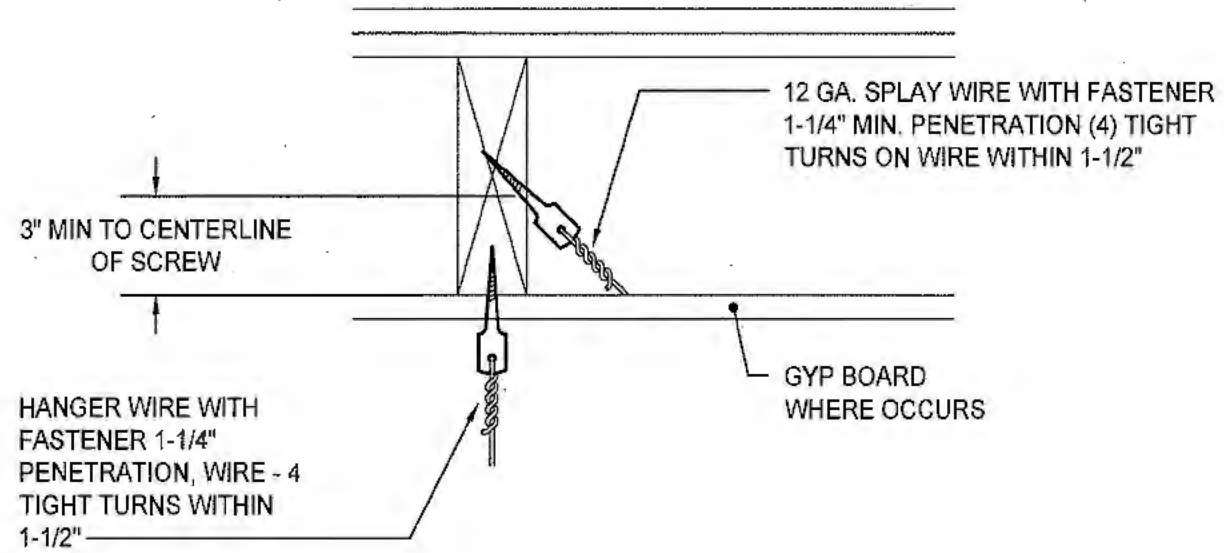
FIRE ALARM INITIATION LOOP OR, IF NO FIRE ALARM SYSTEM, AUDIO/VISUAL ALARM LOOP WIRED TO SYSTEM SENSOR AUDIBLE/VISIBLE ALARM MODEL APA151 LOCATED IN A FREQUENTLY ATTENDED SPACE INSIDE THE BUILDING; COORDINATE LOCATION WITH THE ARCHITECT

DUCT SMOKE DETECTOR: SYSTEM SENSOR MODEL D4120 WHEN LOCATED INSIDE THE BUILDING, MODEL D4120W WHEN LOCATED OUTSIDE OF THE BUILDING, UL LISTED #8911, FM APPROVED #3029700, CSFM LISTED #3242-1653.207 AND MSFM APPROVED #2202. PROVIDE DETECTORS IN THE SUPPLY AIR DUCTS OF SYSTEMS WITH AIR VOLUMES OF 2000 CFM OR GREATER, OR WHERE A SYSTEM SERVES A COMMON AREA IN CONJUNCTION WITH ANOTHER SYSTEM WITH A COMBINED CFM OF 2000 OR GREATER. UNIT MUST BE INSTALLED IN A LOCATION THAT MEETS THE MANUFACTURERS MOUNTING CRITERIA AND THAT IS ACCESSIBLE FOR MAINTENANCE/TESTING UPON COMPLETION OF CONSTRUCTION. SMOKE DETECTOR PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. ALL WIRING BY THE ELECTRICAL CONTRACTOR

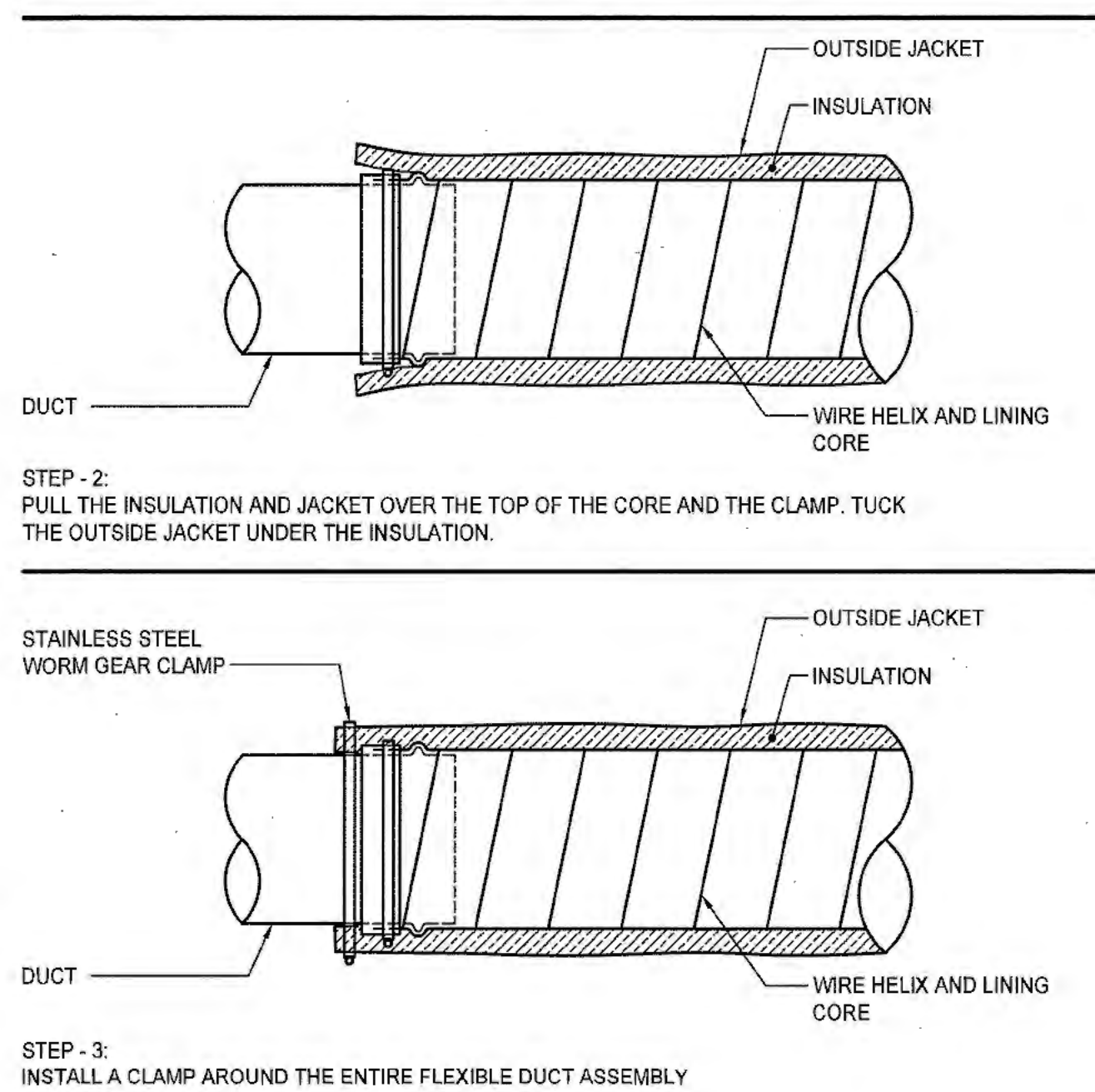
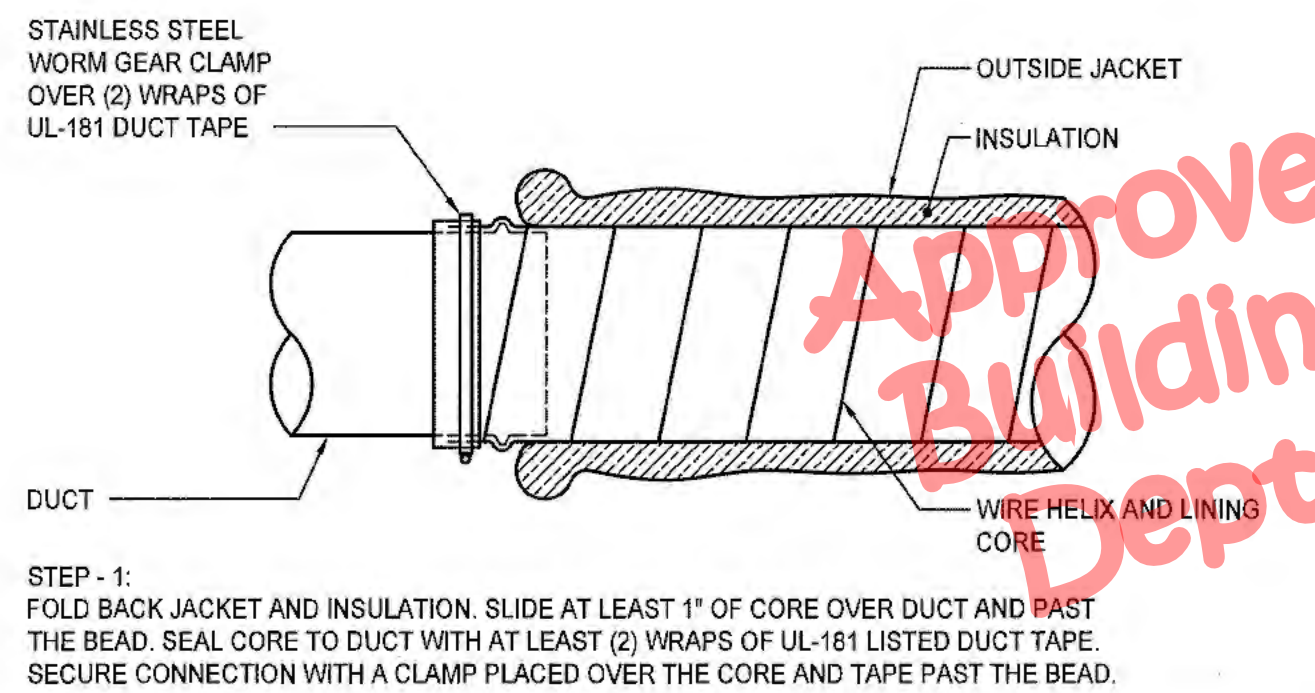
4 DUCT SMOKE DETECTOR  
NTS



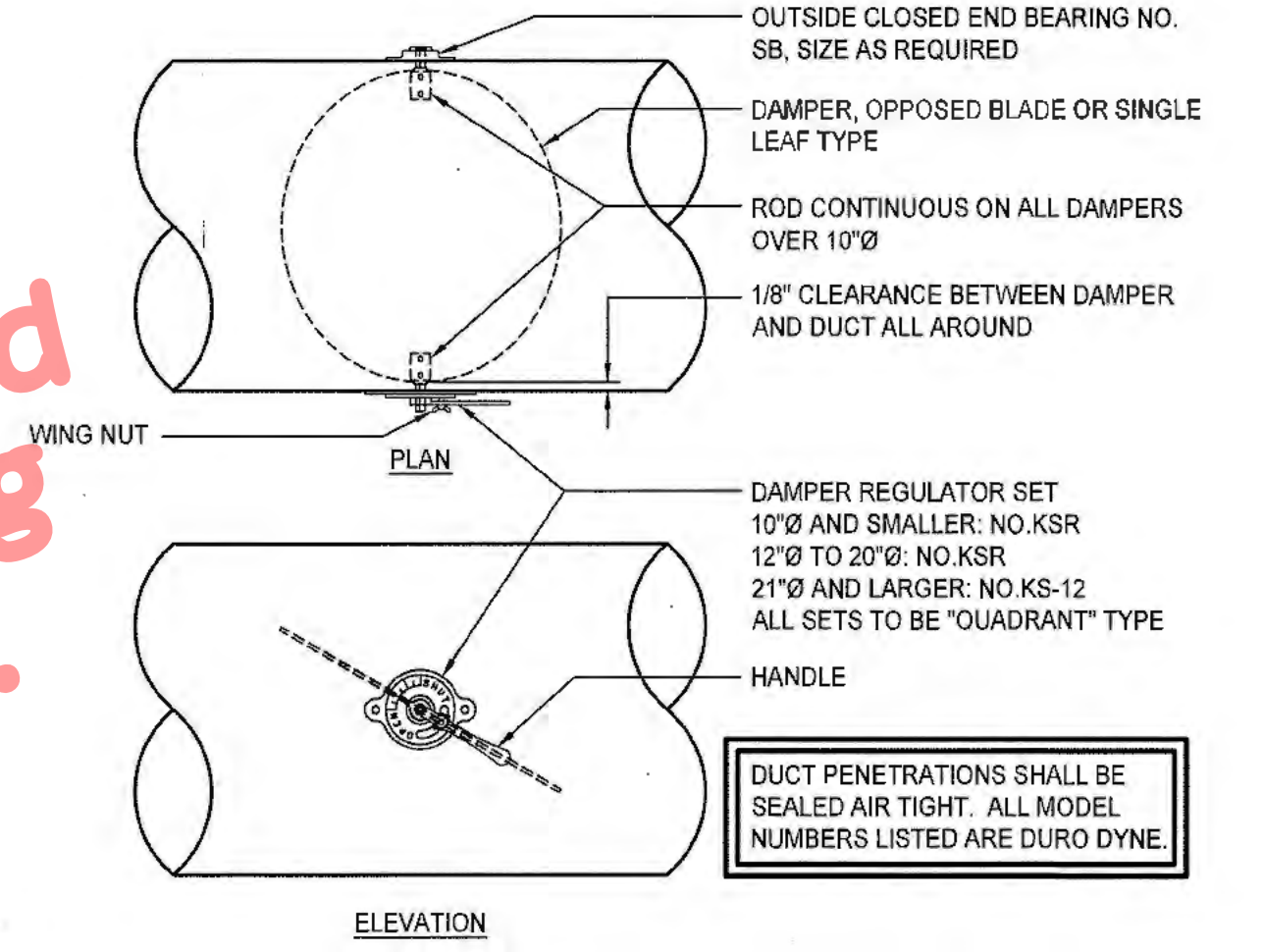
1 INTAKE HOOD MOUNTING  
NTS



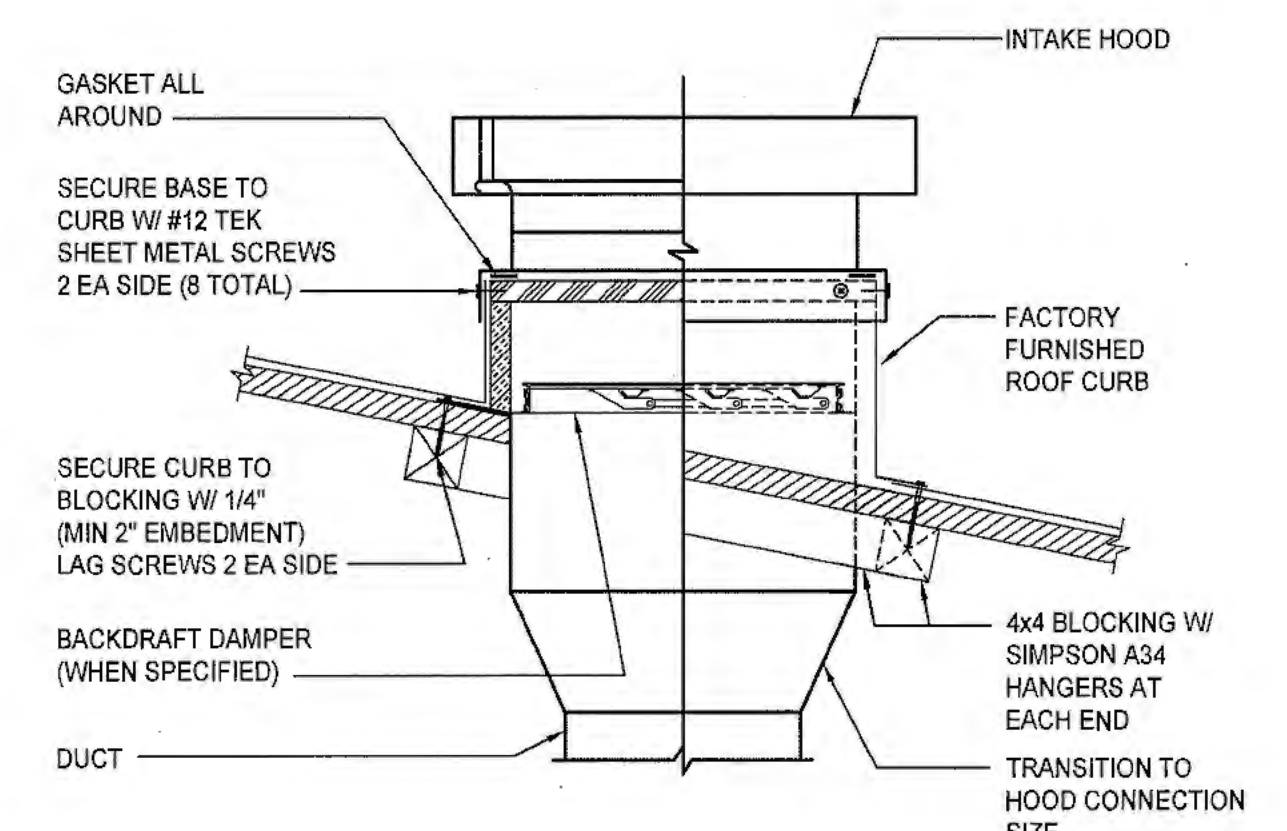
10 WIRE CONNECTION  
NTS



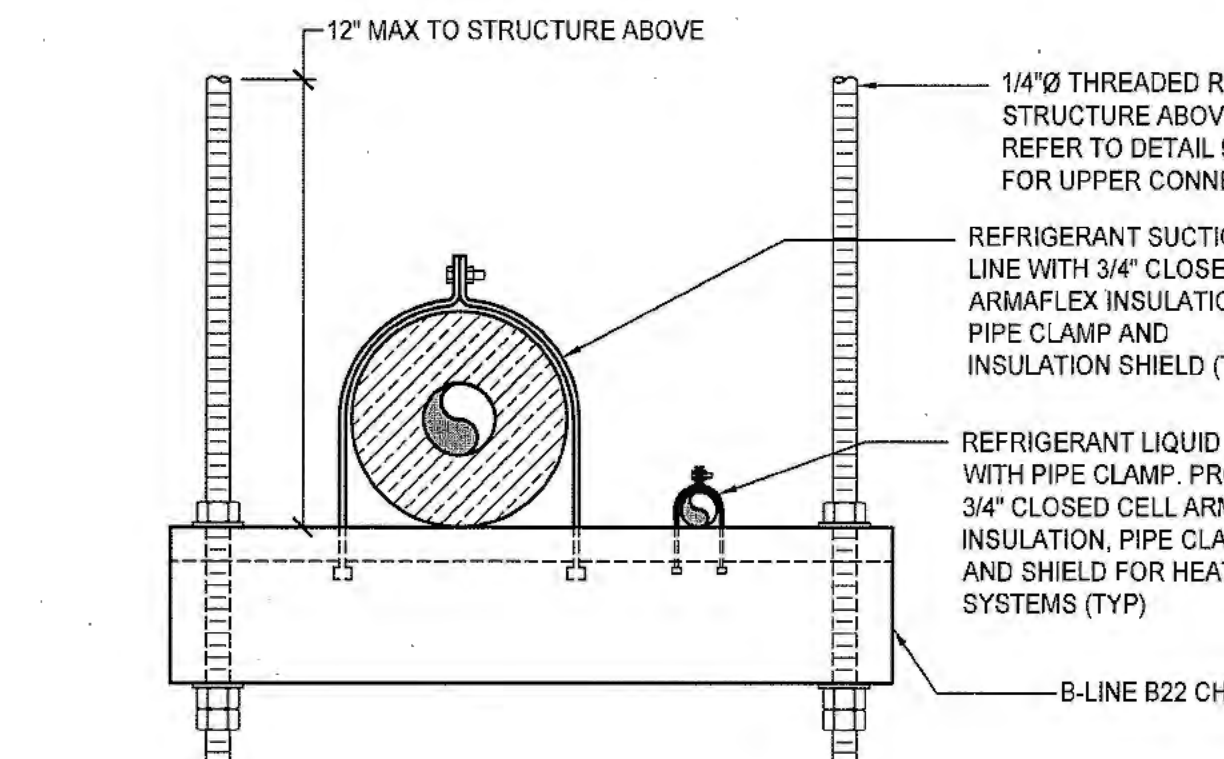
8 FLEXIBLE DUCT CONNECTION  
NTS



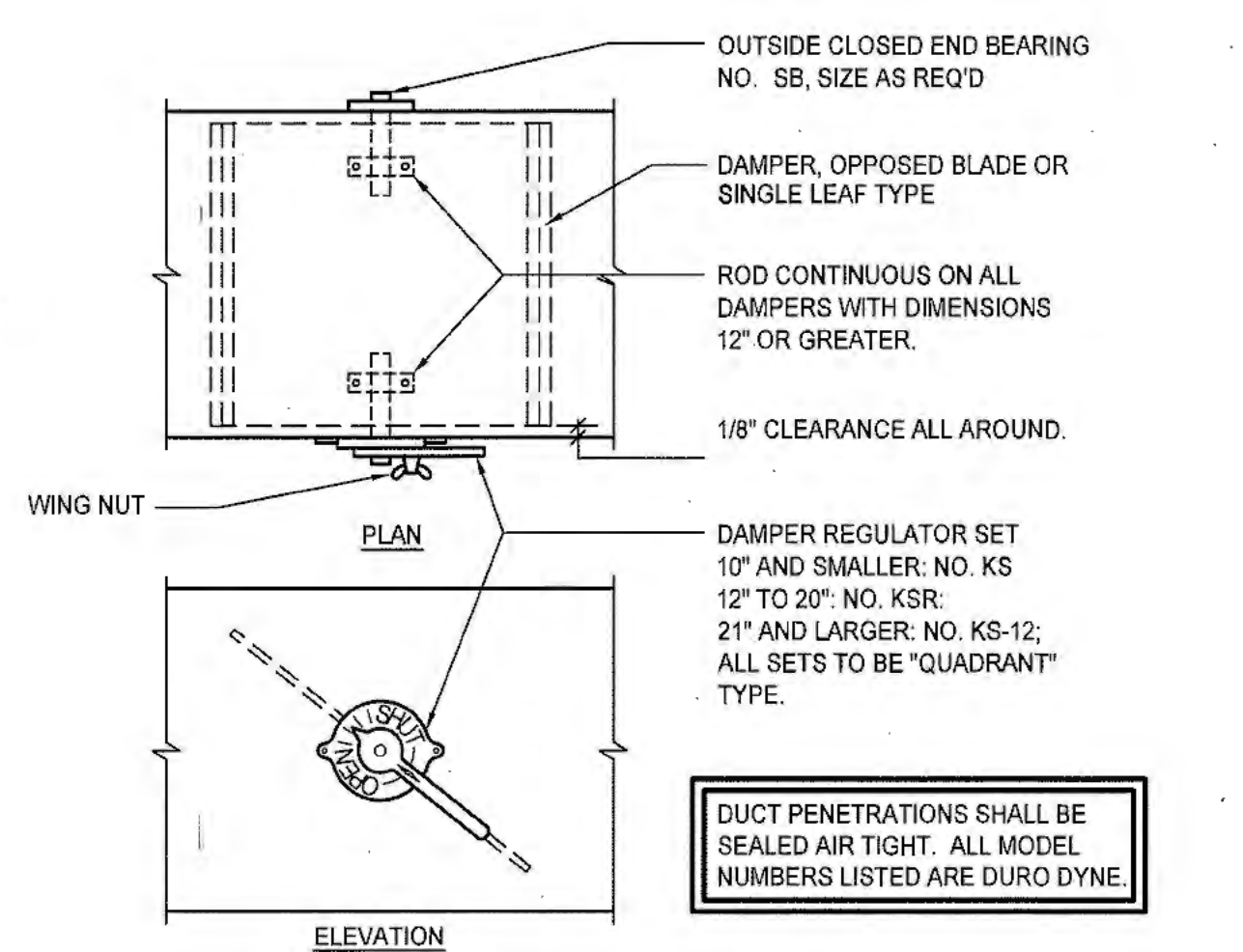
5 ROUND VOLUME DAMPER  
NTS



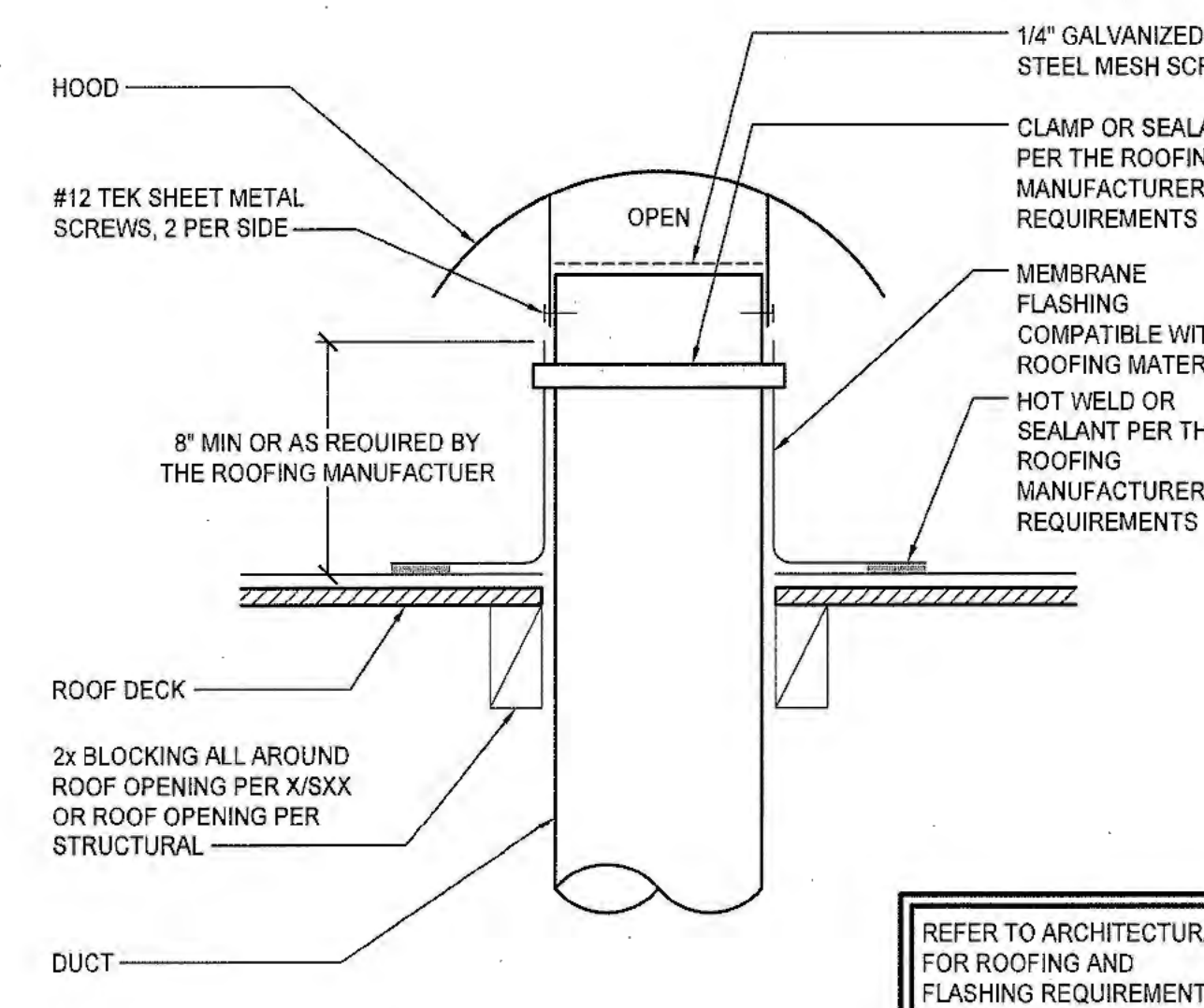
2 INTAKE HOOD MOUNTING  
NTS



11 PIPE SUPPORT  
NTS



6 RECTANGULAR VOLUME DAMPER  
NTS



3 ROOF CAP  
NTS

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Contract Document

Revision Summary:

Revision	Description

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**MECHANICAL DETAILS**

Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	<b>MO.4</b>

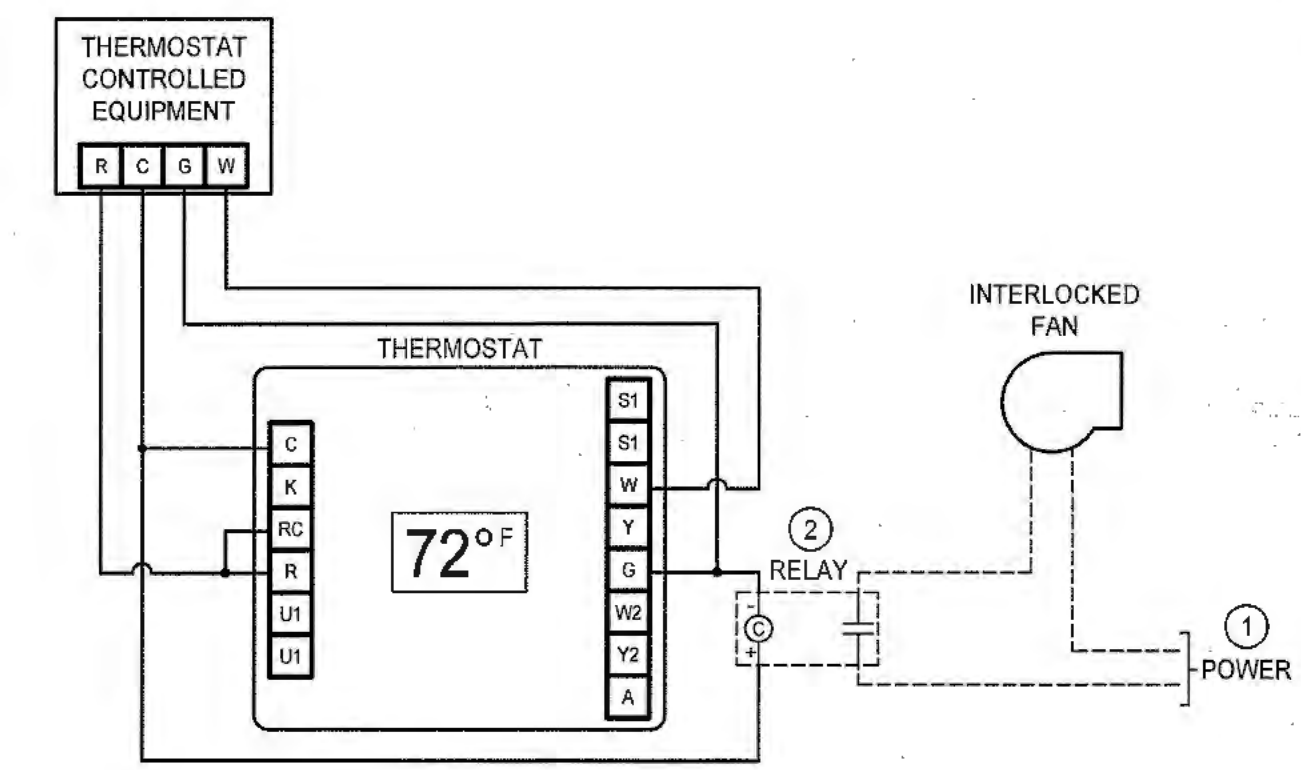
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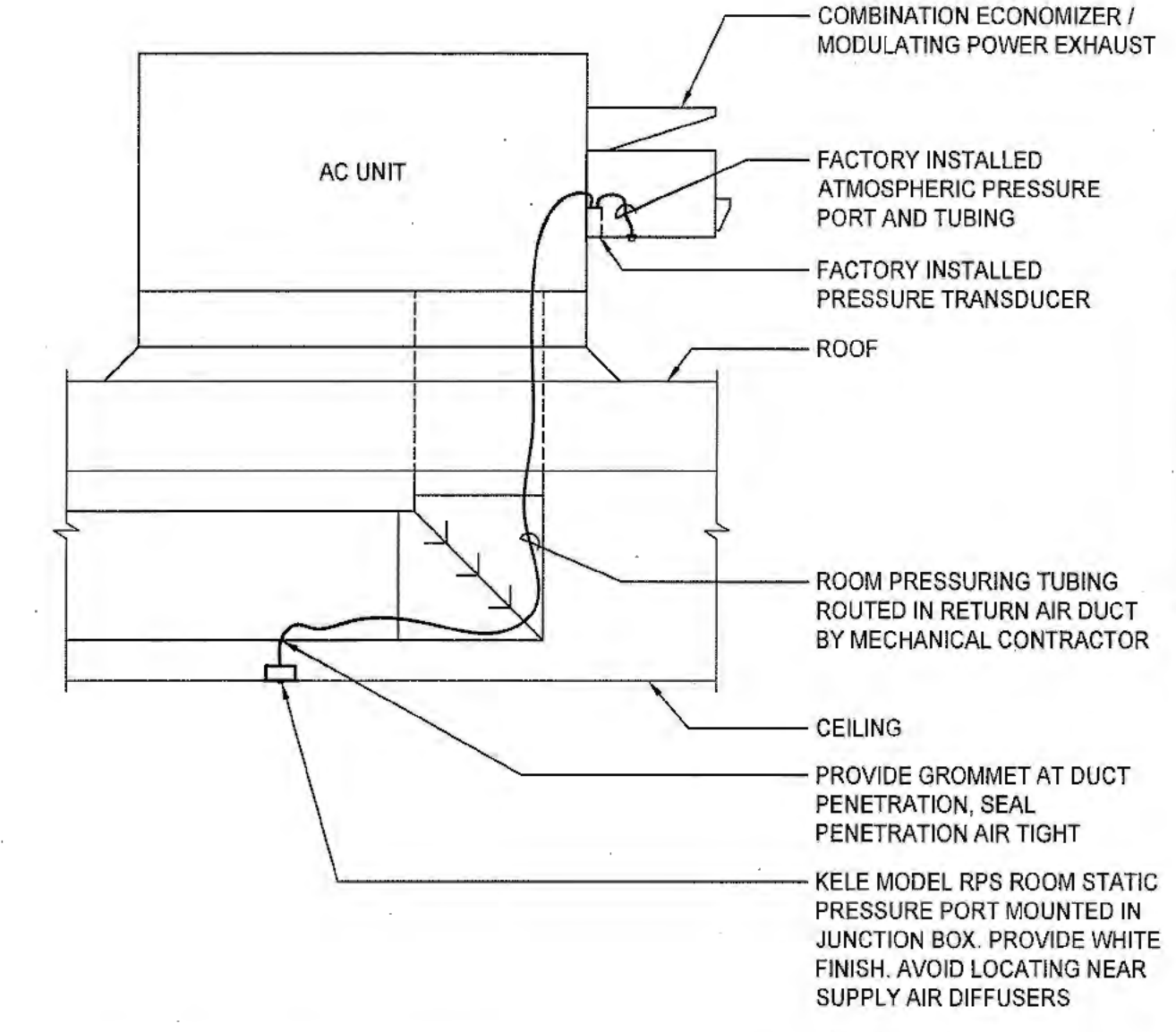
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Building  
Dept.

DETAIL NOTES	
①	LINE VOLTAGE PROVIDED BY ELECTRICAL.
②	24V TO LINE VOLTAGE RELAY, RATED FOR INTERLOCKED FAN MOTOR. PROVIDED BY ELECTRICAL.



① FAN INTERLOCK WITH 24V THERMOSTAT CONTROL DETAIL  
NTS

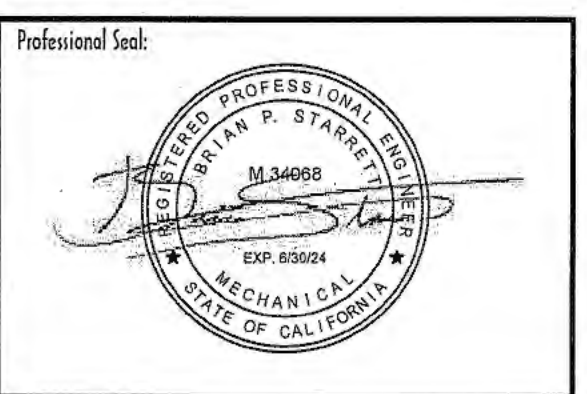


② MODULATING POWER EXHAUST ROOM PRESSURE PORT  
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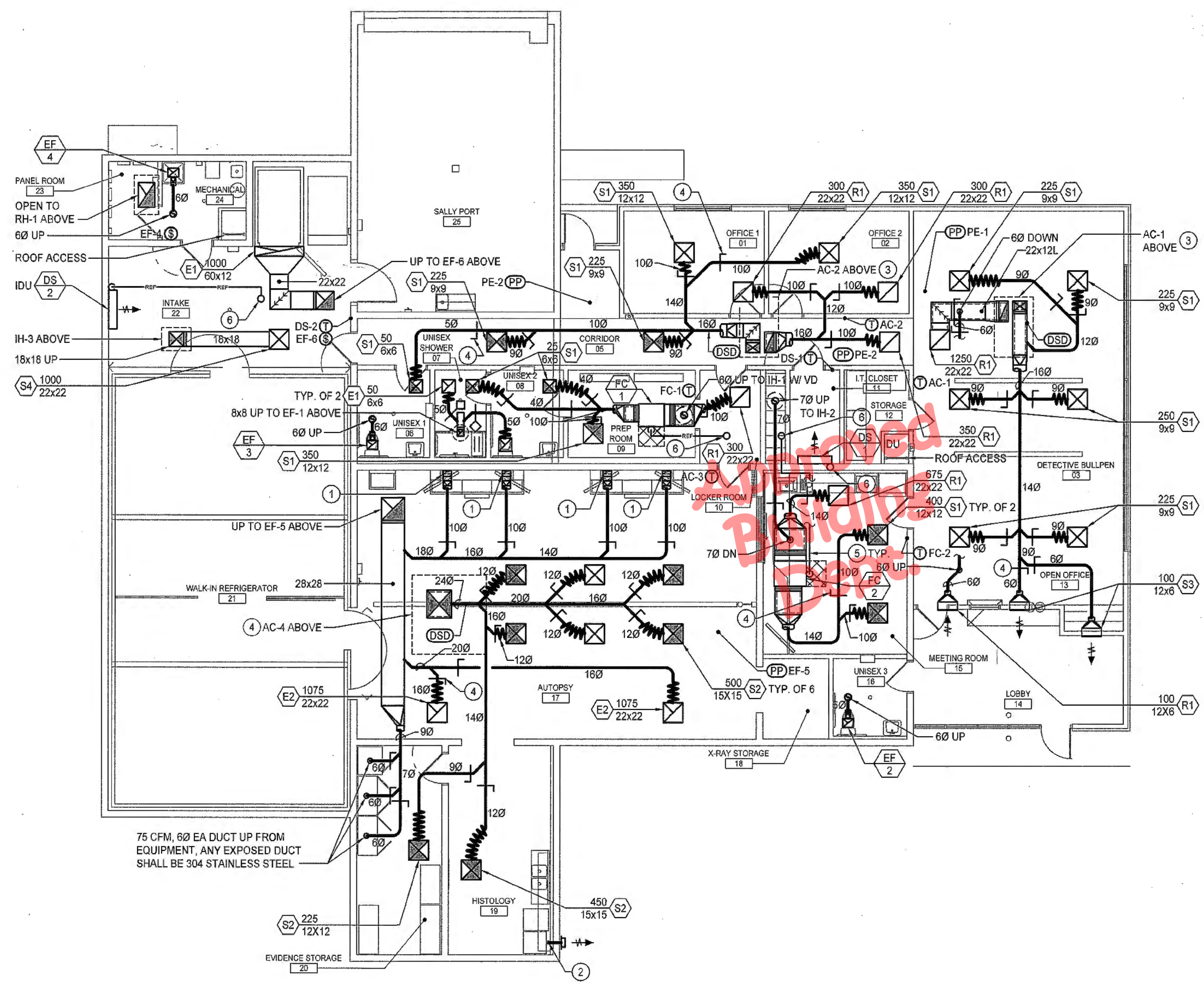

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**MECHANICAL DETAILS**

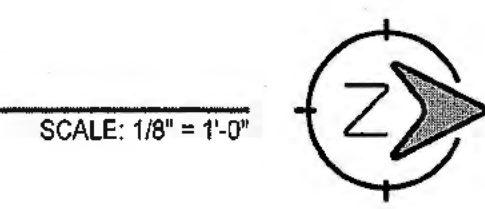
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Project:	22-102
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Sheet No.:	<b>M0.5</b>

Of # Sheets:

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MECHANICAL FLOOR PLAN

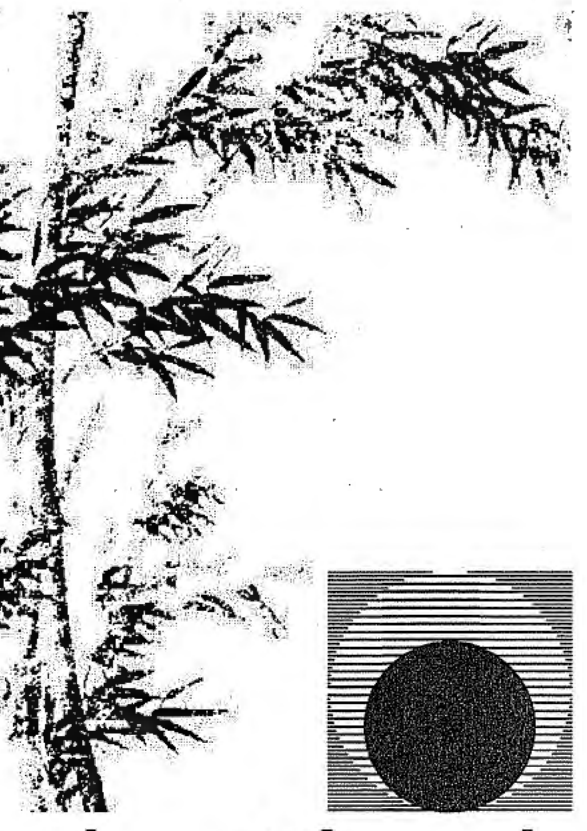


SCALE: 1/8" = 1'-0"

KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	4X10 FROM AUTOPSY STATION BELOW. CONNECT TO AUTOPSY STATION PER MANUFACTURER'S REQUIREMENTS AND BALANCE THE DUCT BRANCH TO 350 CFM. ANY EXPOSED DUCT SHALL BE 304 STAINLESS STEEL.
2	40 DRYER EXHAUST DUCT. DUCT SHALL BE SMOOTH-WALLED DUCT WITH A SINGLE LONGITUDINAL SEAM, 24 GAUGE. DUCT SHALL NOT BE ASSEMBLED WITH SCREWS OR OTHER FASTENERS THAT EXTEND INTO THE DUCT. WHERE JOINING DUCTS, THE MALE END SHALL BE INSERTED IN THE DIRECTION OF AIRFLOW. TERMINATE AT WALL CAP WITH INTEGRAL BACKDRAFT DAMPER. MAINTAIN MIN 3" FROM OPENINGS INTO BUILDING. CORE CMU AS REQUIRED.  THE DRYER VENT AS SHOWN HAS A WORST CASE LENGTH OF 12' WITH (0) 90° ELBOWS.
3	REFER TO DETAIL 2/M0.3 FOR DUCT TAKE-OFF AT ROOF MOUNTED UNIT.
4	TYPICAL VOLUME DAMPER. REFER TO DETAILS 5 & 6/M0.4.
5	REFRIGERANT PIPING. SUPPORT PER DETAIL 11/M0.4.
6	REFRIGERANT PIPING UP.

HVAC GENERAL NOTES	
APPLICABLE TO THIS SHEET ONLY	
1	VERIFY FINAL THERMOSTAT LOCATIONS WITH OWNER PRIOR TO INSTALLATION. IF OWNER INTENDS TO CHANGE LOCATION OF THERMOSTAT, CONTACT ENGINEER OF RECORD PRIOR TO FINALIZING LOCATION.
2	PROVIDE MANUAL VOLUME DAMPERS IN ALL BRANCH DUCTS TO AIR OUTLETS / INLETS. VOLUME DAMPERS ABOVE HARD LID CEILINGS TO BE CABLE OPERATED UNLESS NOTED OTHERWISE. CABLE TO BE ACCESSED THRU THE FACE OF GRILLE. AFTER BALANCING TUCK CABLE INTO DIFFUSER SO THAT IT IS NOT VISIBLE.

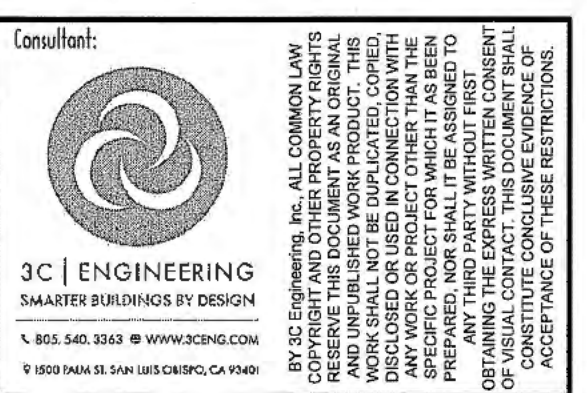
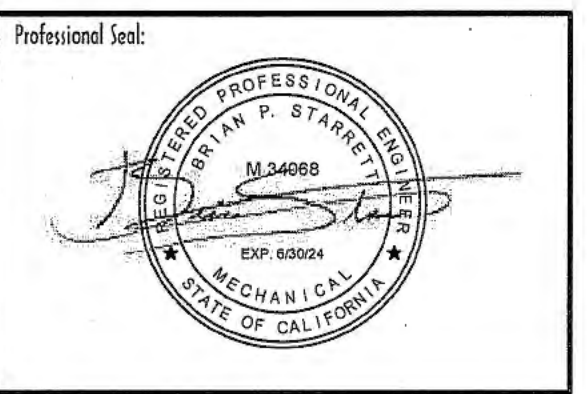
PASSIVE MAKE-UP AIR SCHEDULE		
ROOM	DOOR LOUVER MINIMUM FREE AREA FT²	DOOR UNDER CUT
MEETING ROOM 15	NA	1"
UNISEX 1 08	NA	1"
UNISEX SHOWER 07	NA	1"
UNISEX 2 08	NA	1"
UNISEX 3 16	NA	1"
PANEL ROOM 23	4.17	NA
MECHANICAL 24	0.2	NA



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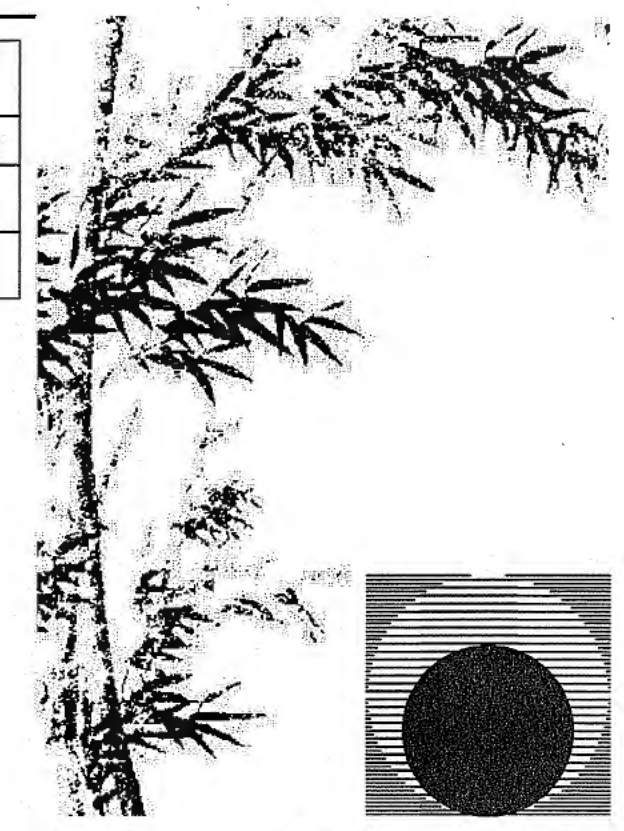
Drawing Status:	Contract Document
Revision Summary:	

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**MECHANICAL FLOOR PLAN**

Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	<b>M1.1</b>
Of # Sheets	

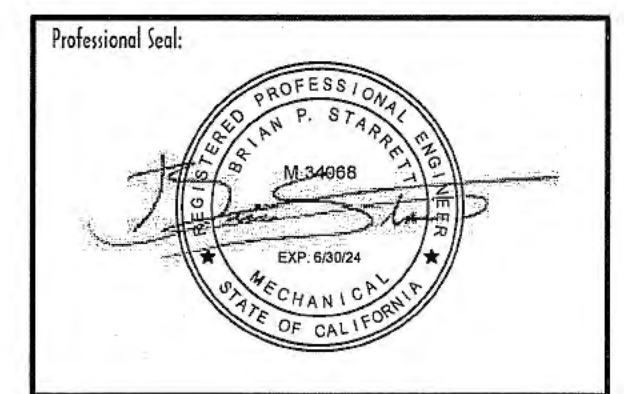
KEY NOTES	
APPLICABLE TO THIS SHEET ONLY	
①	ROOF CAP. REFER TO DETAIL 3M0.4.
②	ATTIC VENTS. REFER TO SHEET A12.1.



**Chas Rhoads**  
 Architecture  
 Interiors  
 Landscape

Postal Box 889 - Hanford - California - 93232  
 Phone: 559 - 584 - 3371

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Consultant:  
**3C ENGINEERING**  
 SMARTER BUILDINGS BY DESIGN  
 405.540.3343 | WWW.3CENGS.COM  
 1800 MAIN ST. SUITE 1000, OAKLAND, CA 94612

Drawing Status:

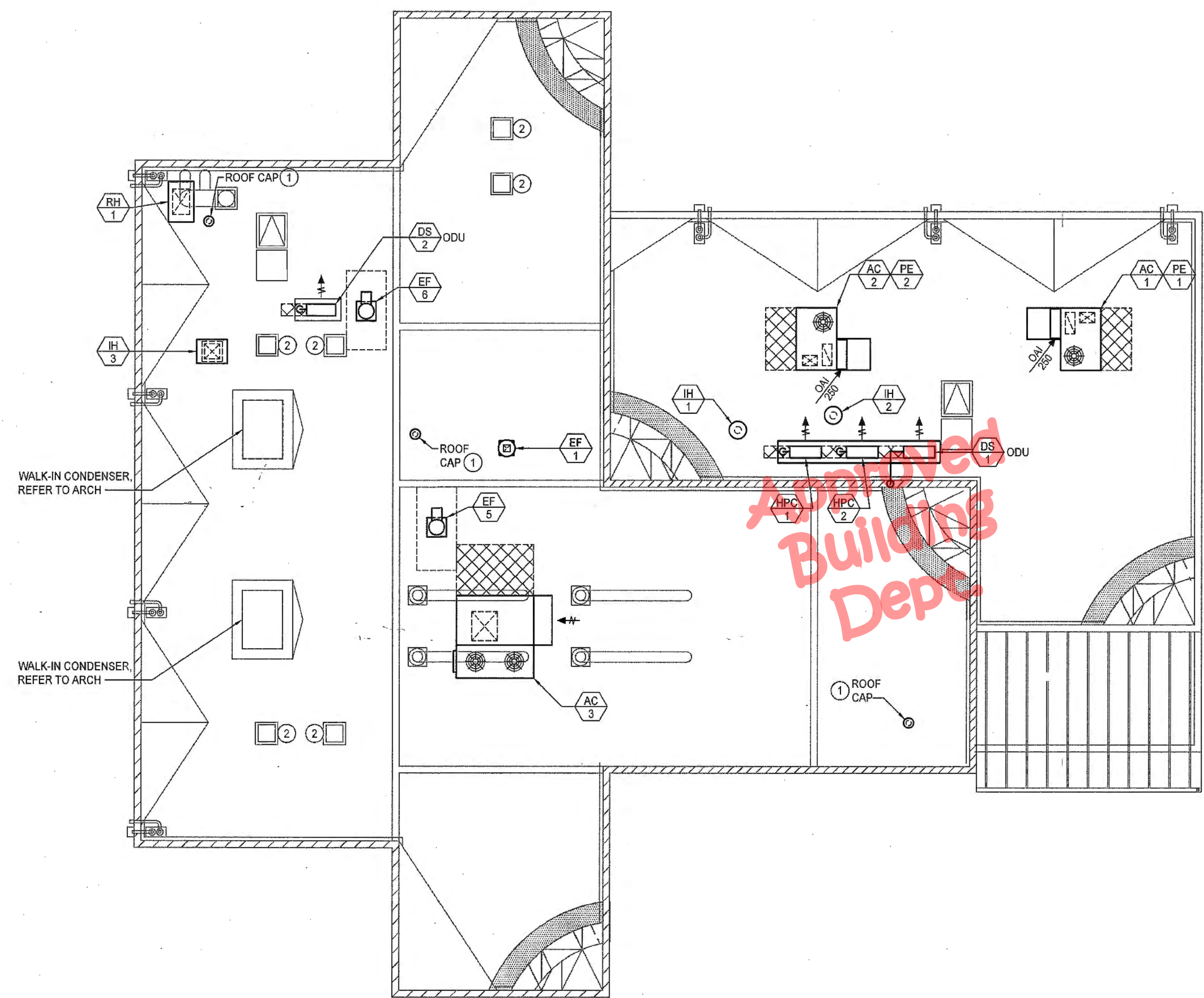
**Contract Document**

Revision Summary:


Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
**MECHANICAL ROOF PLAN**

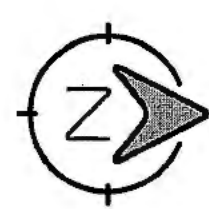
Date:	11/16/23
Project:	22-102
Scale:	PER PLAN
Sheet No.:	<b>M2.1</b>
Of # Sheets:	



Approved  
 Building  
 Dept.

**MECHANICAL ROOF PLAN**

SCALE: 1/8" = 1'-0"





STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION  
INDOOR LIGHTING

CERTIFICATE OF COMPLIANCE NRCC-LTI-4

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b) for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b) for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: New Morgue Building For Tulare County Sheriff  
Project Address: South O Street, Tulare, CA 93274  
Report Page: (Page 1 of 9)  
Date Prepared: 2023-08-23T10:37:52-04:00

**A. GENERAL INFORMATION**

01 Project Location (city)	Tulare, CA	04 Total Conditioned Floor Area (ft²)	5,759.54
02 Climate Zone	13	05 Total Unconditioned Floor Area (ft²)	0
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1
• All Other Occupancies			

**B. PROJECT SCOPE**

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b) / 180.2(b) for alterations.

Scope of Work	Conditioned Spaces	Unconditioned Spaces		
01	02	03		
04	05	06		
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
<input checked="" type="checkbox"/> New Lighting System	Area Category Method	5759.54	Area Category Method	D
<input type="checkbox"/> New Lighting System - Parking Garage	N/A		N/A	D
<b>Total Area of Work (ft²)</b>		<b>5759.54</b>		

Generated Date/Time: Documentation Software: Energy Code Ace  
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220101  
Compliance ID: 105256-0823-0008  
Report Generated: 2023-08-23 07:37:55

STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION  
INDOOR LIGHTING

CERTIFICATE OF COMPLIANCE NRCC-LTI-4

Project Name: New Morgue Building For Tulare County Sheriff  
Project Address: South O Street, Tulare, CA 93274  
Report Page: (Page 2 of 9)  
Date Prepared: 2023-08-23T10:37:52-04:00

**C. COMPLIANCE RESULTS**

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b) / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)					Adjusted Lighting Power per 140.6(e) / 170.2(i) (Watts)			Compliance Results
	01	02	03	04	05	06	07	08	
Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)1	Area Category Additional 140.6(c)3 / 170.2(e)4	Tailored 140.6(c)4 / 170.2(e)4	Total Allowed (Watts) (+)	Total Adjusted (Watts) (-)	Total Designated (Watts)	PAF Lighting Control Credits 140.6(j) / 170.2(i)8	Total Adjusted (Watts) (+) Includes Adjustments	05 must be ≤ 08 140.6 / 170.2(e)
Conditioned	3,267.85			3,267.85	3,063	3,063		3,063	COMPLIES
Unconditioned									COMPLIES
Controls Compliance (See Table H for Details)									COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)									COMPLIES

**D. EXCEPTIONAL CONDITIONS**

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

**E. ADDITIONAL REMARKS**

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Generated Date/Time: Documentation Software: Energy Code Ace  
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220101  
Compliance ID: 105256-0823-0008  
Report Generated: 2023-08-23 07:37:55

STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION  
INDOOR LIGHTING

CERTIFICATE OF COMPLIANCE NRCC-LTI-4

Project Name: New Morgue Building For Tulare County Sheriff  
Project Address: South O Street, Tulare, CA 93274  
Report Page: (Page 3 of 9)  
Date Prepared: 2023-08-23T10:37:52-04:00

**F. INDOOR LIGHTING FIXTURE SCHEDULE**

This table includes all planned permanent and portable lighting other than dwelling unit/hotel/motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table F. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designated Wattage: Conditioned Spaces	01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change	Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(i)3 / 170.2(e)2C	Design Watts	Field Inspector	Pass / Fail
A, AE	T-Bar	No	NA	29	Mfr. Spec	46	No	1,334	<input type="checkbox"/>	<input type="checkbox"/>
B	T-Bar	No	NA	45	Mfr. Spec	18	No	774	<input type="checkbox"/>	<input type="checkbox"/>
C, CE	Surface	No	NA	28	Mfr. Spec	6	No	168	<input type="checkbox"/>	<input type="checkbox"/>
DE	Recessed	No	NA	20	Mfr. Spec	2	No	40	<input type="checkbox"/>	<input type="checkbox"/>
F	Recessed	No	NA	25	Mfr. Spec	4	No	100	<input type="checkbox"/>	<input type="checkbox"/>
G, GE	T-Bar	No	NA	24	Mfr. Spec	6	No	144	<input type="checkbox"/>	<input type="checkbox"/>
H, HE	Surface	No	NA	25	Mfr. Spec	7	No	175	<input type="checkbox"/>	<input type="checkbox"/>
I, IE	Pendant	No	NA	45	Mfr. Spec	4	No	180	<input type="checkbox"/>	<input type="checkbox"/>
K	Wall	No	NA	20	Mfr. Spec	3	No	60	<input type="checkbox"/>	<input type="checkbox"/>
X	Surface	No	NA	2	Mfr. Spec	6	No	12	<input type="checkbox"/>	<input type="checkbox"/>
J2	PILLAR 7 INDIRECT WALL	No	NA	40	Mfr. Spec	1	No	40	<input type="checkbox"/>	<input type="checkbox"/>
L	LINKABLE UNDER CABINET LIGHTING	No	NA	12	Mfr. Spec	3	No	36	<input type="checkbox"/>	<input type="checkbox"/>
<b>Total Designated Watts: CONDITIONED SPACES</b>									3,063	

**FOOTNOTE:** Design Watts for small aperture and color changing luminaires which qualify per 140.6(i)4B / 170.2(e)2D is adjusted to be 75% / 80% of their rated wattage. Table F automatically makes this adjustment; the permit applicant should enter full rated wattage in column 05.

\*Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(f). Wattage used must be the maximum rated for the luminaire, not the lamp.

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
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Compliance ID: 105256-0823-0008  
Report Generated: 2023-08-23 07:37:55

STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION  
INDOOR LIGHTING

CERTIFICATE OF COMPLIANCE NRCC-LTI-4

Project Name: New Morgue Building For Tulare County Sheriff  
Project Address: South O Street, Tulare, CA 93274  
Report Page: (Page 4 of 9)  
Date Prepared: 2023-08-23T10:37:52-04:00

**G. MODULAR LIGHTING SYSTEMS**

This section does not apply to this project.

**H. INDOOR LIGHTING CONTROLS (Not including PAFs)**

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls	01	02	03
Mandatory Demand Response 110.12(c)		Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector Pass / Fail
NA < 4,000W subject to multilevel			<input type="checkbox"/>
See Area/Space Level Controls			<input type="checkbox"/>

Area Level Controls	04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) / 160.5(b)4C	Primary/Sky-lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(e) / 160.5(b)4E	Interlocked Systems 170.2(a)1 / 170.2(a)2	Field Inspector	Pass / Fail
OFFICE < 250 FT2	Office   <=250 square feet	Readily Accessible	Dimmer	Occupancy Sensor	NA: General Ltg < 120W	NA: General Ltg < 120W	No	<input type="checkbox"/>	<input type="checkbox"/>
CORRIDOR	Corridor	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
STORAGE	Storage - MF common areas	Readily Accessible	NA: Enclosed area <100SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
UNISEX - 1, 2, 3, SHOWER	Restroom	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
MEETING	Conference, Multipurpose and Meeting Area	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
BULLPEN, OFFICE - RM 3,4,13	Conference, Multipurpose and Meeting Area	Readily Accessible	Multilevel Switch	Occupancy Sensor	Included	Included	No	<input type="checkbox"/>	<input type="checkbox"/>

Generated Date/Time: Documentation Software: Energy Code Ace  
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
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Compliance ID: 105256-0823-0008  
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STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION  
INDOOR LIGHTING

CERTIFICATE OF COMPLIANCE NRCC-LTI-4

Project Name: New Morgue Building For Tulare County Sheriff  
Project Address: South O Street, Tulare, CA 93274  
Report Page: (Page 5 of 9)  
Date Prepared: 2023-08-23T10:37:52-04:00

**H. INDOOR LIGHTING CONTROLS (Not including PAFs)**

LOBBY	Main Entry Lobby	Readily Accessible	Dimmer	Occupancy Sensor	Included	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
ELECTRICAL, MECHANICAL, IT	Electrical/Mechanical Telephone Room	Readily Accessible	NA: Enclosed area <100SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
PREP, LOCKER - RM 9, 10	Locker/Dressing Room	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
AUTOPSY, XRAY STORAGE	Laboratory Area, Scientific	Readily Accessible	Multilevel Switch	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
HISTOLOGY, EVIDENCE STORAGE	All Other Space Types	Readily Accessible	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
INTAKE, SALLY PORT	All Other Space Types	Readily Accessible	NA: General Ltg <= 0.5W/SF	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No	<input type="checkbox"/>	<input type="checkbox"/>
									13
									Plan Sheet Showing Daylit Zones: E2.2

**I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS**

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used.

Area Description	Complete Building or Area Category Primary Function Area	03 Allowed Density (W/ft²)	04 Area (ft²)	05 Allowed Wattage (Watts)	Additional Allowance / Adjustment	06
OFFICE < 250 FT2	Office   <=250 square feet	0.65	300	195	No	No
CORRIDOR	Corridor	0.4	310	124	No	No
STORAGE	Storage - MF common areas	0.45	62	27.9	No	No
UNISEX - 1, 2, 3, SHOWER	Restroom	0.65	241	156.65	No	No
MEETING	Conference, Multipurpose and Meeting Area	0.75	276	207	No	No
BULLPEN, OFFICE - RM 3,4,13	Conference, Multipurpose and Meeting Area	0.75	873	654.75	No	No

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220101  
Compliance ID: 105256-0823-0008  
Report Generated: 2023-08-23 07:37:55

STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION  
INDOOR LIGHTING

CERTIFICATE OF COMPLIANCE NRCC-LTI-4

Project Name: New Morgue Building For Tulare County Sheriff  
Project Address: South O Street, Tulare, CA 93274  
Report Page: (Page 6 of 9)  
Date Prepared: 2023-08-23T10:37:52-04:00

**I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS**

LOBBY	Main Entry Lobby	07	233	163.1	No	No
ELECTRICAL, MECHANICAL, IT	Electrical/Mechanical Telephone Room	0.4	156	62.4	No	No
PREP, LOCKER - RM 9, 10	Locker/Dressing Room	0.45	197	88.65	No	No
AUTOPSY, XRAY STORAGE	Laboratory Area, Scientific	0.9	1,160	1,044	No	No
HISTOLOGY, EVIDENCE STORAGE	All Other Space Types	0.4	413	165.2	No	No
INTAKE, SALLY PORT	All Other Space Types	0.4	948	379.2	No	No
<b>TOTALS:</b>			<b>5,169</b>	<b>3,267.85</b>		See Tables J, or P for detail

**J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM**

This section does not apply to this project.

**K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE**

This section does not apply to this project.

**L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY**

This section does not apply to this project.

**M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING**

This section does not apply to this project.

**N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE / SPECIAL EFFECTS**

This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace  
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220101  
Compliance ID: 105256-0823-0008  
Report Generated: 2023-08-23 07:37:55

STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION  
INDOOR LIGHTING

CERTIFICATE OF COMPLIANCE NRCC-LTI-4

Project Name: New Morgue Building For Tulare County Sheriff  
Project Address: South O Street, Tulare, CA 93274  
Report Page: (Page 7 of 9)  
Date Prepared: 2023-08-23T10:37:52-04:00

**O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE**

This section does not apply to this project.

**P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))**

This section does not apply to this project.

**Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS**

This section does not apply to this project.

**R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS**

This section does not apply to this project.

**S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)**

This section does not apply to this project.

**T. DWELLING UNIT LIGHTING**

This section does not apply to this project.

**U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks: These documents must be provided to the building inspector during construction and can be found online.

Form/Title

NRCC-LTI-E - Must be submitted for all buildings

Generated Date/Time: Documentation Software: Energy Code Ace  
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220101  
Compliance ID: 105256-0823-0008  
Report Generated: 2023-08-23 07:37:55

STATE OF CALIFORNIA  
CALIFORNIA ENERGY COMMISSION  
INDOOR LIGHTING

CERTIFICATE OF COMPLIANCE NRCC-LTI-4

Project Name: New Morgue Building For Tulare County Sheriff  
Project Address: South O Street, Tulare, CA 93274  
Report Page: (Page 8 of 9)  
Date Prepared: 2023-08-23T10:37:52-04:00

**V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks: These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/tts-24/attcp/providers.html>

Form/Title

NRCC-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

System/Spaces To Be Field Verified

OFFICE < 250 FT2; CORRIDOR; STORAGE; UNISEX - 1, 2, 3, SHOWER; MEETING; BULLPEN, OFFICE - RM 3,4,13; LOBBY; ELECTRICAL, MECHANICAL, IT; PREP, LOCKER - RM 9, 10; AUTOPSY, XRAY STORAGE; HISTOLOGY, EVIDENCE STORAGE; INTAKE, SALLY PORT

NRCC-LTI-03-A - Must be submitted for automatic daylight controls.

BULLPEN, OFFICE - RM 3,4,13; LOBBY

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
Report Version: 2022.0.000  
Schema Version: rev 20220101  
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STATE OF CALIFORNIA  
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INDOOR LIGHTING

CERTIFICATE OF COMPLIANCE NRCC-LTI-4

Project Name: New Morgue Building For Tulare County Sheriff  
Project Address: South O Street, Tulare, CA 93274  
Report Page: (Page 9 of 9)  
Date Prepared: 2023-08-23T10:37:52-04:00

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham  
Signature Date: 08-23-23  
Address: 131 S. DUNWORTH ST  
City/State/Zip: VISALIA, CA 93280-4705  
Phone: (559) 733-2871 EXT. 101

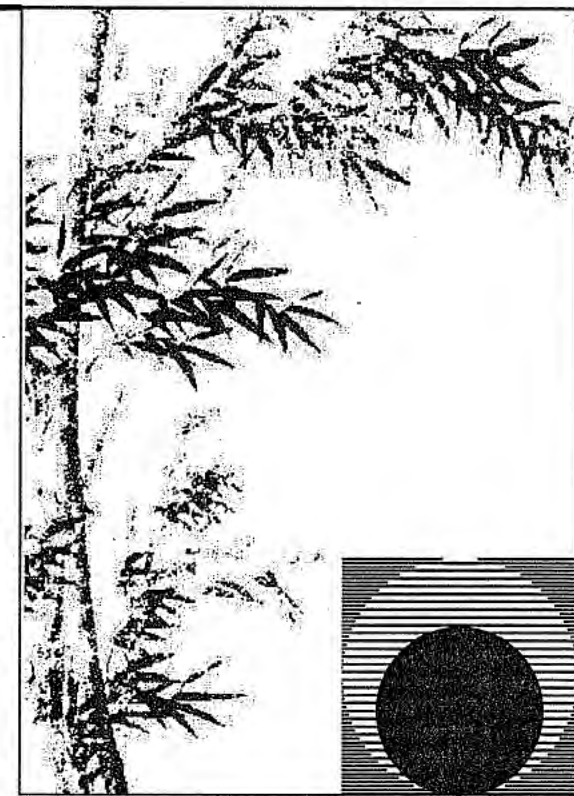
**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 8 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 2 and Part 5 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building inspector at occupancy.

Responsible Designer Name: Steve Eastham  
Signature Date: 08-23-23  
Address: 131 S. DUNWORTH ST  
City/State/Zip: VISALIA, CA 93280-4705  
Phone: (559) 733-2871 EXT. 101

Generated Date/Time: Documentation Software: Energy Code Ace  
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Chas Rhoads  
Architecture  
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Email: chasrhoads@bcglobal.net

Professional Seal:



Consultant:

Rose Sing Eastham & Associates  
Electrical Consultants  
131 S. Dunworth - (559) 733-2671  
Visalia, California 93292-6705

Drawing Status:

Contract Document

Revision Summary:

Project:  
New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
INDOOR LIGHTING COMPLIANCE

Date: 01/12/24

Project: 22-102

Title: AS NOTED

Sheet No.: E0.2

Of # Sheets

Z:\Utilities\New\BSE\Tulare County\Morgue Building - Interior Lighting.dwg D:\12\24\24 CB E 22-102-5E

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION  
**Outdoor Lighting** NRCC-LTO-E  
 CERTIFICATE OF COMPLIANCE (Page 1 of 7)  
 Project Name: New Morgue Building For Tulare County Sheriff  
 Project Address: South O Street, Tulare, CA 93274  
 Report Page: (Page 1 of 7)  
 Date Prepared: 2023-05-18T12:29:43-04:00

**A. GENERAL INFORMATION**

01 Project Location (city)	Tulare, CA	04 Total Illuminated Hardscape Area (ft²)	6913.64
02 Climate Zone	13		
03 Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):			
<input type="checkbox"/> L2-0: Very Low - Undeveloped Parkland	<input type="checkbox"/> L2-2: Moderate - Urban Clusters	<input type="checkbox"/> L2-4: High - Must be reviewed by CA Energy Commission for Approval	
<input type="checkbox"/> L2-1: Low - Rural Areas	<input checked="" type="checkbox"/> L2-3: Moderately High - Urban Areas		
05 Occupancy Types within Project			
<input checked="" type="checkbox"/> All Other Occupancies			

**B. PROJECT SCOPE**

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)(6) or 141.0(b)(2) / 180.2(b)(4)(b) for alterations.

My Project Consists of:

01	02	
<input checked="" type="checkbox"/> New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)(6)	
<input type="checkbox"/> Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	
	<input type="radio"/> Yes <input type="radio"/> No	
03	04	05
% of Existing Luminaires Being Altered <sup>1</sup>	Sum Total of Luminaires Being Added or Altered	Calculation Method
<input type="checkbox"/> < 10% <input type="checkbox"/> >= 10% and < 50% <input type="checkbox"/> >= 50%		

Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaires.  
<sup>1</sup> FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220101  
 Generated Date/Time: 2023-05-18 09:29:44  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0005  
 Report Generated: 2023-05-18 09:29:44

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION  
**Outdoor Lighting** NRCC-LTO-E  
 CERTIFICATE OF COMPLIANCE (Page 2 of 7)  
 Project Name: New Morgue Building For Tulare County Sheriff  
 Project Address: South O Street, Tulare, CA 93274  
 Report Page: (Page 2 of 7)  
 Date Prepared: 2023-05-18T12:29:43-04:00

**C. COMPLIANCE RESULTS**

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)(6) or 141.0(b)(2) / 180.2(b)(4)(b)						Compliance Results		
01	02	03	04	05	06	07	08	09
General Hardscape Allowance	Per Application 140.7(d)(1) / 170.2(e)(6) (See Table I)	Sales Frontage Allowance 140.7(d)(2) / 170.2(e)(6) (See Table K)	Ornamental Allowance 140.7(d)(2) / 170.2(e)(6) (See Table L)	Per Specific Area Allowance 141.0(b)(2) / 180.2(b)(4)(b) (See Table M)	Existing Power Allowance 141.0(b)(2) / 180.2(b)(4)(b) (See Table N)	Total Allowed (Watts)	Total Actual (Watts)	07 must be >= 08
488.59						488.59	330	COMPLIES
Shielding Compliance (See Table G for Details)								N/A
Controls Compliance (See Table H for Details)								COMPLIES

**D. EXCEPTIONAL CONDITIONS**

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

**E. ADDITIONAL REMARKS**

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220101  
 Generated Date/Time: 2023-05-18 09:29:44  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0005  
 Report Generated: 2023-05-18 09:29:44

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION  
**Outdoor Lighting** NRCC-LTO-E  
 CERTIFICATE OF COMPLIANCE (Page 3 of 7)  
 Project Name: New Morgue Building For Tulare County Sheriff  
 Project Address: South O Street, Tulare, CA 93274  
 Report Page: (Page 3 of 7)  
 Date Prepared: 2023-05-18T12:29:43-04:00

**F. OUTDOOR LIGHTING FIXTURE SCHEDULE**

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)(6) all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)(2) only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e., existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:									
01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire <sup>1</sup>	How is Wattage determined	Total Number Luminaires <sup>2</sup>	Luminaire Status <sup>3</sup>	Excluded per 140.7(a) / 170.2(e)(6)	Design Watts	Cutoff Req. > 6,200 Initial lumen output 150-210 <sup>4</sup> / 160.5(c)(1) <sup>4</sup>	Field Inspector
OL1	Recessed	20	Mfr. Spec	5	New	<input type="checkbox"/>	100	NA: < 6200 lumens	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
WL1	Wall	23	Mfr. Spec	10	New	<input type="checkbox"/>	230	NA: < 6200 lumens	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Total Design Wattage:							330		

<sup>1</sup> NOTES: Selections with \* require a note in the space below explaining how compliance is achieved.  
 EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)  
<sup>2</sup> FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.2(c) / 160.5(b)  
<sup>3</sup> For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.  
<sup>4</sup> Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstated" for existing luminaires which are being removed and reinstated as part of the project scope.  
<sup>5</sup> Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b) / 160.5(c)

**G. SHIELDING REQUIREMENTS (BUG)**

This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220101  
 Generated Date/Time: 2023-05-18 09:29:44  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0005  
 Report Generated: 2023-05-18 09:29:44

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION  
**Outdoor Lighting** NRCC-LTO-E  
 CERTIFICATE OF COMPLIANCE (Page 4 of 7)  
 Project Name: New Morgue Building For Tulare County Sheriff  
 Project Address: South O Street, Tulare, CA 93274  
 Report Page: (Page 4 of 7)  
 Date Prepared: 2023-05-18T12:29:43-04:00

**H. OUTDOOR LIGHTING CONTROLS**

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstated (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit.

**Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings**

Area Description	01	02	03	04	05
	Shut-Off 130.2(c)(1) / 160.5(c)	Auto-Schedule 130.2(c)(2) / 160.5(c)	Motion Sensor 130.2(c)(3) / 160.5(c)		Field Inspector
Walkway: "OL1"	Astronomical Timer	Provided	NA: Each Luminaire < 40 Watts	<input type="checkbox"/>	<input type="checkbox"/>
Walkway: "WL1"	Astronomical Timer	Provided	NA: Each Luminaire < 40 Watts	<input type="checkbox"/>	<input type="checkbox"/>

<sup>1</sup> FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.  
<sup>2</sup> Authority having jurisdiction may ask for cut sheets or other documentation to confirm compliance of light source.  
<sup>3</sup> Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are exempted from it and iii.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220101  
 Generated Date/Time: 2023-05-18 09:29:44  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0005  
 Report Generated: 2023-05-18 09:29:44

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION  
**Outdoor Lighting** NRCC-LTO-E  
 CERTIFICATE OF COMPLIANCE (Page 5 of 7)  
 Project Name: New Morgue Building For Tulare County Sheriff  
 Project Address: South O Street, Tulare, CA 93274  
 Report Page: (Page 5 of 7)  
 Date Prepared: 2023-05-18T12:29:43-04:00

**I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))**

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/ Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B / Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential B. Vista/Moray

"Use it or lose it" Allowance (select all that apply) (select all that apply)								
01	02	03	04	05	06	07	08	09
General Hardscape Allowance Table I (below)	Per Application Table J	Sales Frontage Table K	Ornamental Table L	Per Specific Area Table M				
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Area Description	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft)	Linear Allowance (Watts)	Total General AWA + LWA (Watts)	
Walkway	6913.64	0.021	145.19	467	0.2	93.4	238.59	
Initial Wattage Allowance for Entire Site (Watts):							250	
Instances of Initial Wattage Allowance (L2 0 only):								
Total General Hardscape Allowance (Watts):							488.59	

**J. LIGHTING ALLOWANCE: PER APPLICATION**

This section does not apply to this project.

**K. LIGHTING ALLOWANCE: SALES FRONTAGE**

This section does not apply to this project.

**L. LIGHTING ALLOWANCE: ORNAMENTAL**

This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220101  
 Generated Date/Time: 2023-05-18 09:29:44  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0005  
 Report Generated: 2023-05-18 09:29:44

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION  
**Outdoor Lighting** NRCC-LTO-E  
 CERTIFICATE OF COMPLIANCE (Page 6 of 7)  
 Project Name: New Morgue Building For Tulare County Sheriff  
 Project Address: South O Street, Tulare, CA 93274  
 Report Page: (Page 6 of 7)  
 Date Prepared: 2023-05-18T12:29:43-04:00

**M. LIGHTING ALLOWANCE: PER SPECIFIC AREA**

This section does not apply to this project.

**N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)**

This section does not apply to this project.

**O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

Form/Title

NRCC-LTO-E - Must be submitted for all buildings.

**P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTC). For more information visit: <http://www.energy.ca.gov/title-24/attcp/providers.html>

Form/Title

NRCC-LTO-E - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.

Systems/Spaces To Be Field Verified

Walkway: "OL1"; Walkway: "WL1"

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220101  
 Generated Date/Time: 2023-05-18 09:29:44  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0005  
 Report Generated: 2023-05-18 09:29:44

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION  
**Outdoor Lighting** NRCC-LTO-E  
 CERTIFICATE OF COMPLIANCE (Page 7 of 7)  
 Project Name: New Morgue Building For Tulare County Sheriff  
 Project Address: South O Street, Tulare, CA 93274  
 Report Page: (Page 7 of 7)  
 Date Prepared: 2023-05-18T12:29:43-04:00

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Eastham  
 Documentation Author Signature: [Signature]  
 Signature Date: 05-18-23  
 Company: Rose Sing Eastham  
 CEA/HERS Certification Identification (if applicable):  
 Address: 131 S. DUNWORTH ST.  
 City/State/Zip: VISALIA, CA 93292-0705  
 Phone: (559) 733-2871 EXT. 101

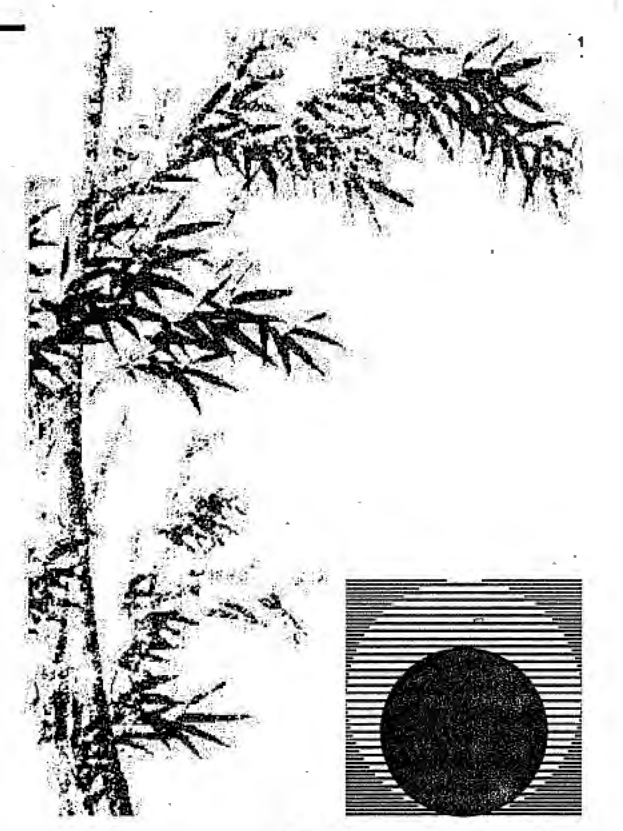
**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 9 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham  
 Responsible Designer Signature: [Signature]  
 Date Signed: 05-18-23  
 Company: Rose Sing Eastham  
 License: E16786  
 Address: 131 S. DUNWORTH ST.  
 City/State/Zip: VISALIA, CA 93292-0705  
 Phone: (559) 733-2871 EXT. 101

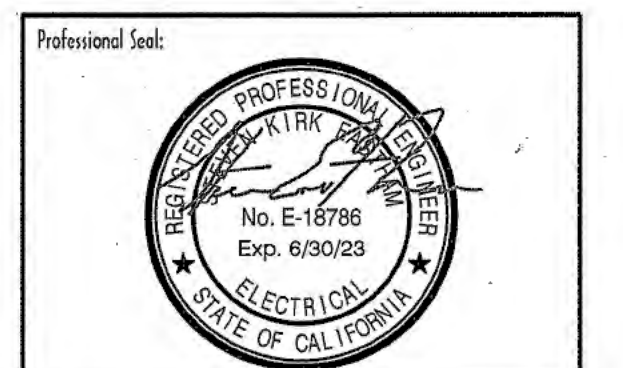
Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Report Version: 2022.0.000  
 Schema Version: rev 20220101  
 Generated Date/Time: 2023-05-18 09:29:44  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0005  
 Report Generated: 2023-05-18 09:29:44



**Chas Rhoads**  
 Architecture  
 Interiors  
 Landscape

Postal Box 889 - Hanford - California - 93232  
 Phone: 559 - 584 - 3371

Email: [chasrhoads@bcglobal.net](mailto:chasrhoads@bcglobal.net)



Consultant:  
**Rose Sing Eastham & Associates**  
 Electrical Consultants  
 131 S. Dunworth - (559) 733-2671  
 Visalia, California 93292-6705

Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

Sheet Description:  
**OUTDOOR LIGHTING COMPLIANCE**

Date: 07/12/24  
 Project: 22-102  
 Scale: AS NOTED  
 Sheet No.: **E0.3**  
 Of # Sheets

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ELC-E  
 This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)4B(i).

Project Name: New Morgue Building For Tulare County Sheriff Report Page: (Page 1 of 6)  
 South O Street, Tulare, CA 93274 Date Prepared: 2023-05-17 16:47:10

**A. GENERAL INFORMATION**

01 Project Location (city)	Tulare, CA	02 Climate Zone	13
03 Occupancy Types Within Project:		All Other Occupancies	

**B. PROJECT SCOPE**  
 This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/Description	Scope of Work <sup>1</sup>	Rating <sup>2</sup> (kVA)	Utility Provided Metering System Exception to 130.5(a)/160.6(a) <sup>3</sup>	System subject to CA Elec Code Article 147 Exception to 130.5(b) and (b) <sup>4</sup>	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
MSN	New electrical service equipment and meter	170	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/160.3, 130.1/160.5, and 130.5/160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	<input type="checkbox"/>

<sup>1</sup> FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.  
<sup>2</sup> If common use areas in a multifamily are submetered, rating is for submeter site serving common use areas.  
<sup>3</sup> Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0004 Report Generated: 2023-05-17 16:47:10

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ELC-E  
 Project Name: New Morgue Building For Tulare County Sheriff Report Page: (Page 3 of 6)  
 South O Street, Tulare, CA 93274 Date Prepared: 2023-05-17 16:47:10

**G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING**  
 This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

01	02	03	04	05
Load Type per Table 130.5-B <sup>1</sup>	Minimum Required Separation of Load per Table 130.5-B	Compliance Method <sup>2</sup>	Location of Requirements in Construction Documents	Field Inspector Pass/Fail
MSN				
HVAC systems and components	All HVAC in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring	E5.1, E5.2	<input type="checkbox"/>
Lighting including exit, egress and exterior	All lighting in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring	E5.1, E5.2	<input type="checkbox"/>
Plug Loads and appliances less than 25KVA	All plug loads in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring	E5.1, E5.2	<input type="checkbox"/>

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0004 Report Generated: 2023-05-17 16:47:10

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ELC-E  
 Project Name: New Morgue Building For Tulare County Sheriff Report Page: (Page 5 of 6)  
 South O Street, Tulare, CA 93274 Date Prepared: 2023-05-17 16:47:10

**I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES**

01	02	03	04	05	06	07
Room name or Description	Location/ Type of Controlled Receptacles <sup>1</sup>	Shut-Off Controls	Demand Responsive Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector Pass/Fail
OFFICE 1, OFFICE 2, OPEN OFFICE, TECH/DETECTIVE BULLPEN	Within 6ft of uncontrolled receptacle	Occupancy Sensor	Included w capabilities per 110.12(e)	<input checked="" type="checkbox"/>	E1.1	<input type="checkbox"/>
LOBBY	Within 6ft of uncontrolled receptacle	Occupancy Sensor	Included w capabilities per 110.12(e)	<input checked="" type="checkbox"/>	E1.1	<input type="checkbox"/>
MEETING ROOM	Within 6ft of uncontrolled receptacle	Occupancy Sensor	Included w capabilities per 110.12(e)	<input checked="" type="checkbox"/>	E1.1	<input type="checkbox"/>

<sup>1</sup> NOTES: If "Other" is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below.  
<sup>2</sup> FOOTNOTES: Receptacles dedicated to refrigerators and water dispensers in kitchens, located a minimum of 6ft above the floor specifically for clocks, network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms, circuits rated more than 20 Amps, or connected to a UPS that are intended to be in continuous use and are marked to differentiate them from other receptacles or circuits are exempted from the requirements.

**K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION**  
 Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

Form/Title: \_\_\_\_\_  
 NRCC-ELC-E - Must be submitted for all buildings.

**L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE**  
 There are no forms required for this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0004 Report Generated: 2023-05-17 16:47:10

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ELC-E  
 Project Name: New Morgue Building For Tulare County Sheriff Report Page: (Page 2 of 6)  
 South O Street, Tulare, CA 93274 Date Prepared: 2023-05-17 16:47:10

**C. COMPLIANCE RESULTS**  
 Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05	06
Service Electrical Metering 130.5(a)/160.6(a) (See Table F)	Separation for Monitoring 130.5(b)/160.6(b) (See Table G)	Voltage Drop 130.5(c)/160.6(c) (See Table H)	Controlled Receptacles 130.5(d)/160.6(d) (See Table I)	Electric Ready 160.9 (See Table J)	Compliance Results
AND	AND	AND	AND	AND	COMPLIES with Exceptional Conditions

**D. EXCEPTIONAL CONDITIONS**  
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.  
 Table B indicates the project is exempt from 130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

**E. ADDITIONAL REMARKS**  
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0004 Report Generated: 2023-05-17 16:47:10

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ELC-E  
 Project Name: New Morgue Building For Tulare County Sheriff Report Page: (Page 4 of 6)  
 South O Street, Tulare, CA 93274 Date Prepared: 2023-05-17 16:47:10

**G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING**  
 This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

01	02	03	04	05
Load Type per Table 130.5-B <sup>1</sup>	Minimum Required Separation of Load per Table 130.5-B	Compliance Method <sup>2</sup>	Location of Requirements in Construction Documents	Field Inspector Pass/Fail
MSN				
HVAC systems and components	All HVAC in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring	E5.1, E5.2	<input type="checkbox"/>
Lighting including exit, egress and exterior	All lighting in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring	E5.1, E5.2	<input type="checkbox"/>
Plug Loads and appliances less than 25KVA	All plug loads in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring	E5.1, E5.2	<input type="checkbox"/>

<sup>1</sup> NOTES: If "Other" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.  
<sup>2</sup> FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.  
<sup>3</sup> Method 1: Switchboards/motor control centers/panelboard loads disaggregated for each load type.  
<sup>4</sup> Method 2: Switchboards/motor control centers/panelboard supply other distribution equipment with loads disaggregated for each load type.  
<sup>5</sup> Method 3: Branch circuits serve load types individually and provisions for adding future branch circuit monitoring.  
<sup>6</sup> Method 4: Complete metering system measures and reports loads by type. See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

**H. VOLTAGE DROP**  
 This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2P/180.2(b)4B(i)(ii).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations <sup>1</sup>	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector Pass/Fail
MSN	<input checked="" type="checkbox"/> Voltage drop less than 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to 130.5(c)) <sup>2</sup>	In construction documents	E5.1	<input type="checkbox"/>

<sup>1</sup> NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.  
<sup>2</sup> FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

**I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES**  
 This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(d)/160.6(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0004 Report Generated: 2023-05-17 16:47:10

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
 CALIFORNIA ENERGY COMMISSION

**CERTIFICATE OF COMPLIANCE** NRCC-ELC-E  
 Project Name: New Morgue Building For Tulare County Sheriff Report Page: (Page 6 of 6)  
 South O Street, Tulare, CA 93274 Date Prepared: 2023-05-17 16:47:10

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**  
 I certify that this Certificate of Compliance documentation is accurate and complete.

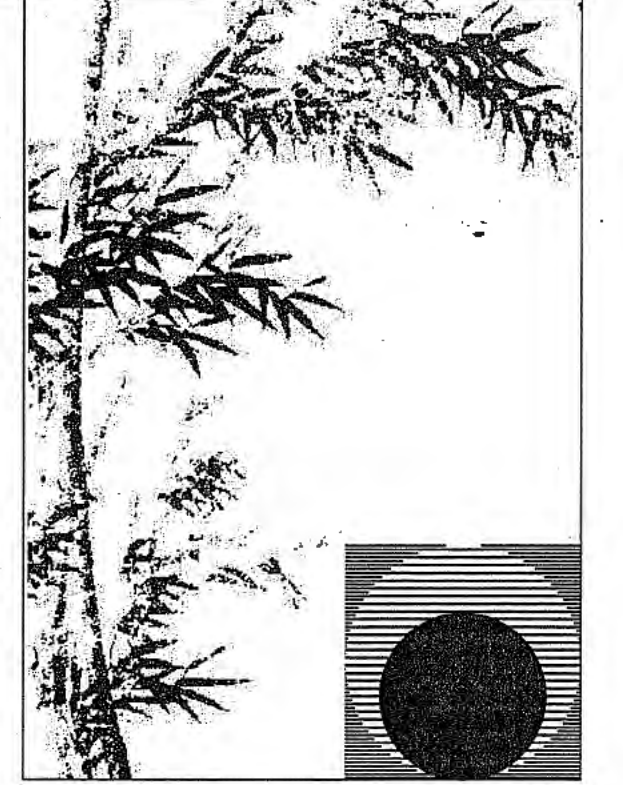
Documentation Author Name: Steve Eastham  
 Signature Date: 05-18-23  
 Address: 131 S. DUNWORTH ST  
 City/State/Zip: VISALIA, CA 93292-6705  
 Phone: (559) 733-2671 EXT. 101

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**  
 I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Steve Eastham  
 Signature Date: 05-18-23  
 Address: 131 S. DUNWORTH ST  
 City/State/Zip: VISALIA, CA 93292-6705  
 Phone: (559) 733-2671 EXT. 101

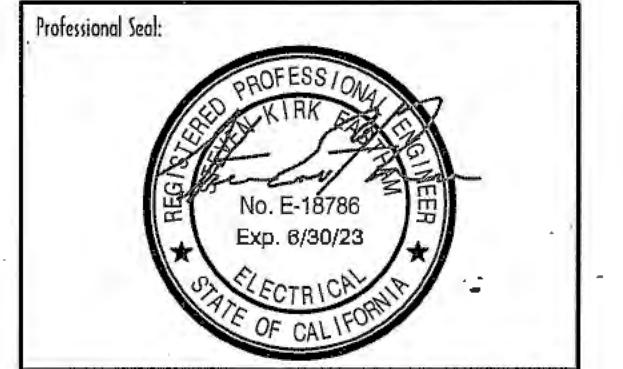
Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance  
 Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101  
 Documentation Software: Energy Code Ace  
 Compliance ID: 105256-0523-0004 Report Generated: 2023-05-17 16:47:10



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 Visalia, California 93292-6705

Drawing Status:  
**Contract Document**

Revision Summary:  
 \_\_\_\_\_  
 \_\_\_\_\_  
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Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
**ELECTRICAL POWER DISTRIBUTION COMPLIANCE**

Date: 01/12/24  
 Project: 22-102  
 Scale: AS NOTED  
 Sheet No: **E0.4**  
 Of # Sheets

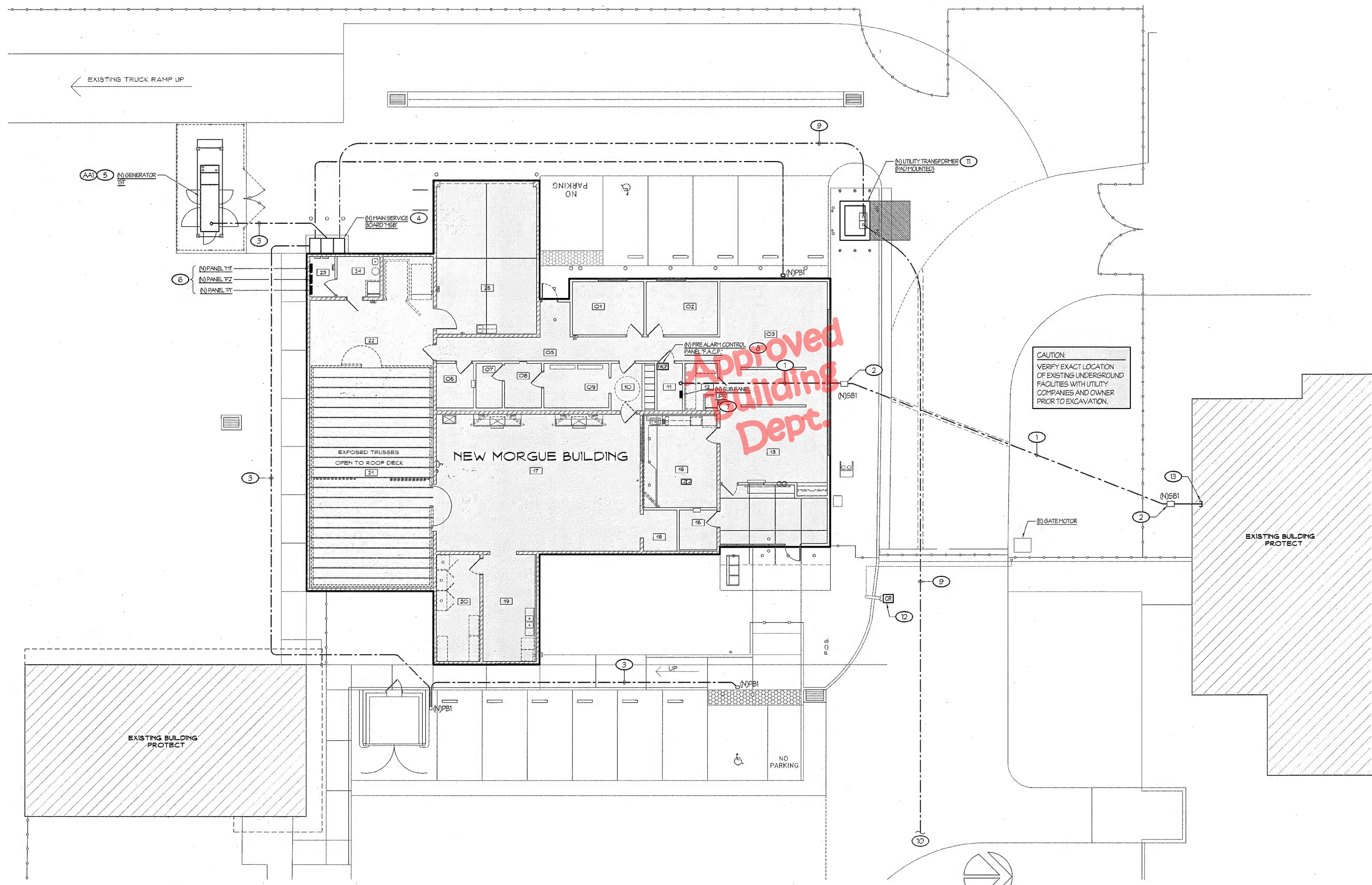
Z:\Drawing\Jobs\New Morgue Building - Tulare\ED\Log DNE SMD: 05/17/23 Br: Ponce DNE FLUDED: 01/12/24 JOB #: 23-007-02

**ADDITIVE ALTERNATE 1**

(AA) PROVIDE SEPARATE BID LINE ITEM FOR GENERATOR SYSTEM AS 'ADDITIVE ALTERNATE 1. INCLUDE LINE ITEM FOR GENERATOR SKID, AND AUTOMATIC TRANSFER SWITCH. IF ADD ALTERNATE IS NOT SELECTED, CONTRACTOR SHALL PROVIDE TERMINATIONS FOR WITHIN ATS SECTION TO ALLOW FUTURE ADDITION OF GENERATOR SYSTEM.

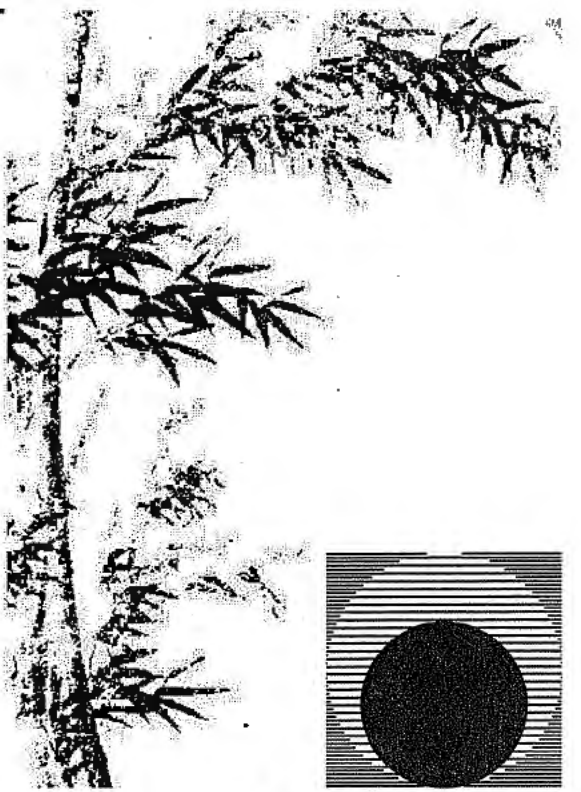
**NOTES (THIS SHEET ONLY):**

- 1 TWO 4" CONDUIT.
- 2 PROVIDE 24" x 36" PULL BOX (CHRISTY B2436 OR EQUAL) WITH 'DATA' LID PER DETAIL #8/E6.1.
- 3 REFER TO ONE LINE DIAGRAM ON SHEET #E5.1 FOR CONNECTION REQUIREMENTS.
- 4 REFER TO DETAIL #6/E6.1.
- 5 REFER TO DETAIL #5/E6.1.
- 6 REFER TO DETAIL #12/E6.1 FOR MOUNTING REQUIREMENTS.
- 7 REFER TO DETAIL #13/E6.1 FOR MOUNTING REQUIREMENTS.
- 8 REFER TO DETAIL #2/E4.4 FOR MOUNTING REQUIREMENTS.
- 9 COORDINATE WITH UTILITY APPROVED DRAWINGS FOR EXACT CONDUIT ROUTE AND LOCATION. PRIMARY SIDE - ONE 5" CONDUIT, SECONDARY SIDE - TWO 4" CONDUITS.
- 10 REFER TO UTILITY APPROVED DRAWINGS FOR CONTINUATION OF CONDUIT TO CONNECTION POINT.
- 11 PROVIDE TRANSFORMER PAD PER APPROVED UTILITY PLANS & REQUIREMENTS.
- 12 EXTEND EXISTING GATE CONTROL TO NEW LOCATION AND CONNECT TO NEW CARD READER - ADD RADIO CONTROL AND REFER TO SHEET #SD2.
- 13 STUB CONDUITS INTO ACCESSIBLE CEILING SPACE OF EXISTING BUILDING. COORDINATE EXACT LOCATION WITH OWNER PERSONNEL PRIOR TO ROUGH-IN.



**SITE ELECTRICAL PLAN**

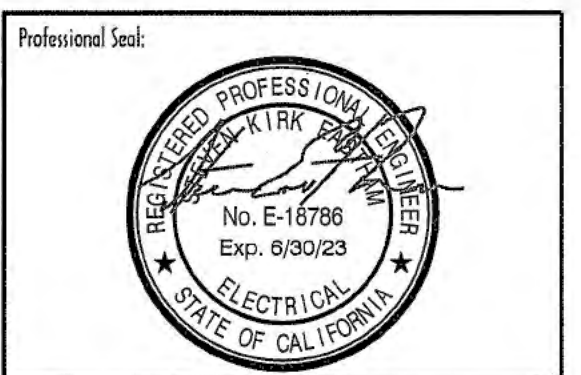
SCALE: 1" = 10'-0"



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Visalia, California 93292-6705

Drawing Status:  
**Contract Document**

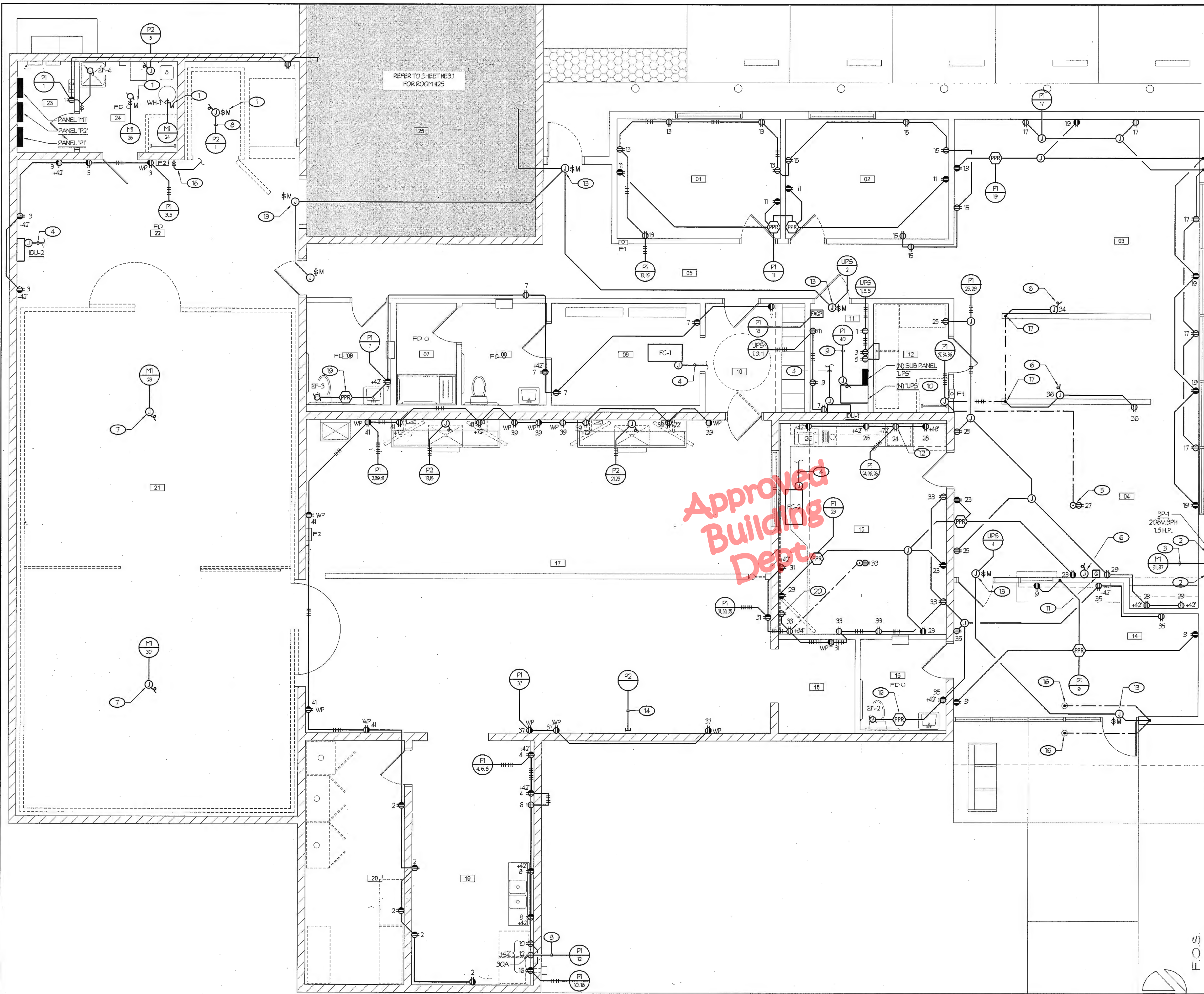
Revision Summary:

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**SITE ELECTRICAL PLAN**

Date: 01/12/24  
Project: 22-102  
Scale: AS NOTED  
Sheet No.: **ES1.1**  
Of # Sheets

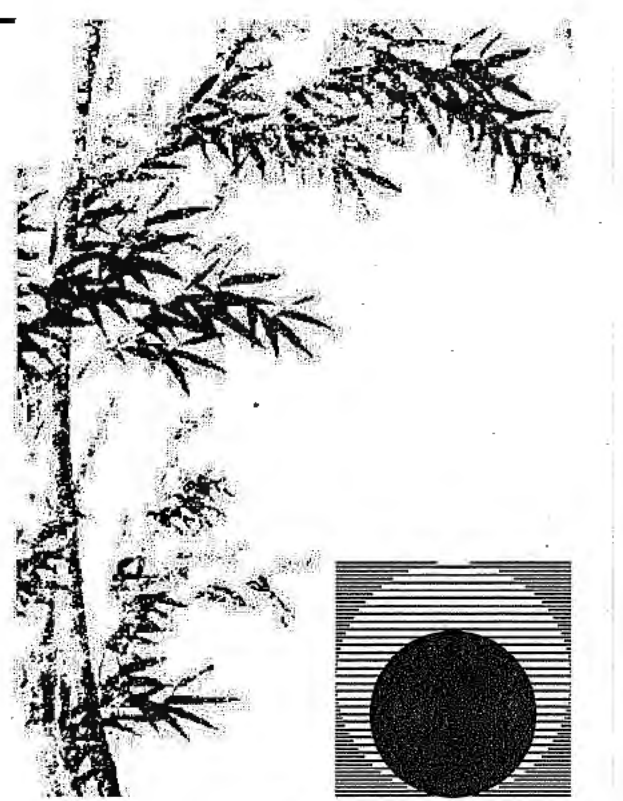




NOTES (THIS SHEET ONLY):

- 1 PROVIDE A MOTOR RATED NON-FUSED DISCONNECT SWITCH AND CONNECT TO MECHANICAL EQUIPMENT AS REQUIRED.
- 2 PROVIDE A WEATHERPROOF 30A, 250V, 3-POLE FUSED DISCONNECT SWITCH WITH 15A FUSES AND CONNECT TO BOOSTER PUMP AS REQUIRED.
- 3 TC - 6 #10 + 1 #10 GND.
- 4 3/4" C TO ROOF TOP OUTDOOR UNIT. CABLES PROVIDED BY MECHANICAL CONTRACTOR. REFER TO SHEET H1.2 FOR OUTDOOR UNIT LOCATION.
- 5 REFER TO DETAIL H16.1. TYPICAL FOR FLOOR MOUNTED RECEPTACLES.
- 6 PROVIDE FURNITURE CONNECTION WHIP TO OWNER PROVIDED FURNITURE SYSTEM. COORDINATE EXACT CONNECTION POINT WITH FURNITURE PRIOR TO ROUGH-IN.
- 7 COORDINATE EXACT CONNECTION POINT FOR WALK-IN REFRIGERATOR ELECTRICAL COMPONENTS, INCLUDING HEATING AND LIGHTING, PRIOR TO ROUGH-IN.
- 8 3/4" C - 2 #10 + 1 #10 GND.
- 9 1 1/2" C - 3 #12 + 1 #6 GND.
- 10 PROVIDE UPS' EQUIPMENT SYMMETRICAL LX16 KVA AND CONNECT AS REQUIRED.
- 11 GENERATOR REMOTE ANNUNCIATOR. PROVIDE CABLES PER MANUFACTURER REQUIREMENTS.
- 12 OUTLET IN BACK OF UPPER CABINET FOR MICROWAVE. COORDINATE EXACT LOCATION WITH CASE WORK CONTRACTOR.
- 13 REFER TO SHEET H4.6.2 FOR SCOPE OF WORK REQUIRED FOR ALARM CONTROL. PROVIDE MOTOR RATED DISCONNECT SWITCH AT 120V POWER SUPPLY AND CONNECT AS REQUIRED. TYPICAL FOR ACCESS CONTROL DOORS.
- 14 (2) 1 1/2" CONDUIT STUB IN ATTIC SPACE, BACK TO PANEL P2 FOR FUTURE RADIOLOGY ADDITION INCLUDING CT SCAN MACHINE.
- 15 POWER PACK RELAY SHALL BE CONNECTED TO LIGHTING CONTROLS, FOR CONTROL BY LOCAL OCCUPANCY SENSOR. TYPICAL.
- 16 PROVIDE UNDERGROUND 3/4" CONDUIT TO BOLLARDS POST FOR CONNECTION OF PUSH BUTTON DOOR OPERATOR. ROUTE CONDUIT TO DOOR CONTROLLER IN ACCESSIBLE ATTIC SPACE.
- 17 COORDINATE STUB-UP LOCATION AT 8" WALL WITH GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- 18 PROVIDE 1-POLE SWITCH FOR OPERATION OF ROOF MOUNTED EXHAUST FAN, EF-6. ROUTE 1/2" C - 2 #14 TO ROOF TOP UNIT VFD AND CONNECT TO START/STOP SIGNAL. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 19 RELAY CONTROLLED BY LIGHTING SYSTEM. REFER TO SHEET E2.2.
- 20 PROVIDE RECEPTACLE FOR EQUIPMENT INSIDE CABINET. COORDINATE EXACT RECEPTACLE LOCATION WITH CASEWORK CONTRACTOR PRIOR TO ROUGH-IN.

Approved Building Dept.



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Drawing Status:  
**Contract Document**

Revision Summary:


Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**POWER PLAN**

Date: 01/12/24  
Project: 22-102  
Scale: AS NOTED

Sheet No.: **E1.1**

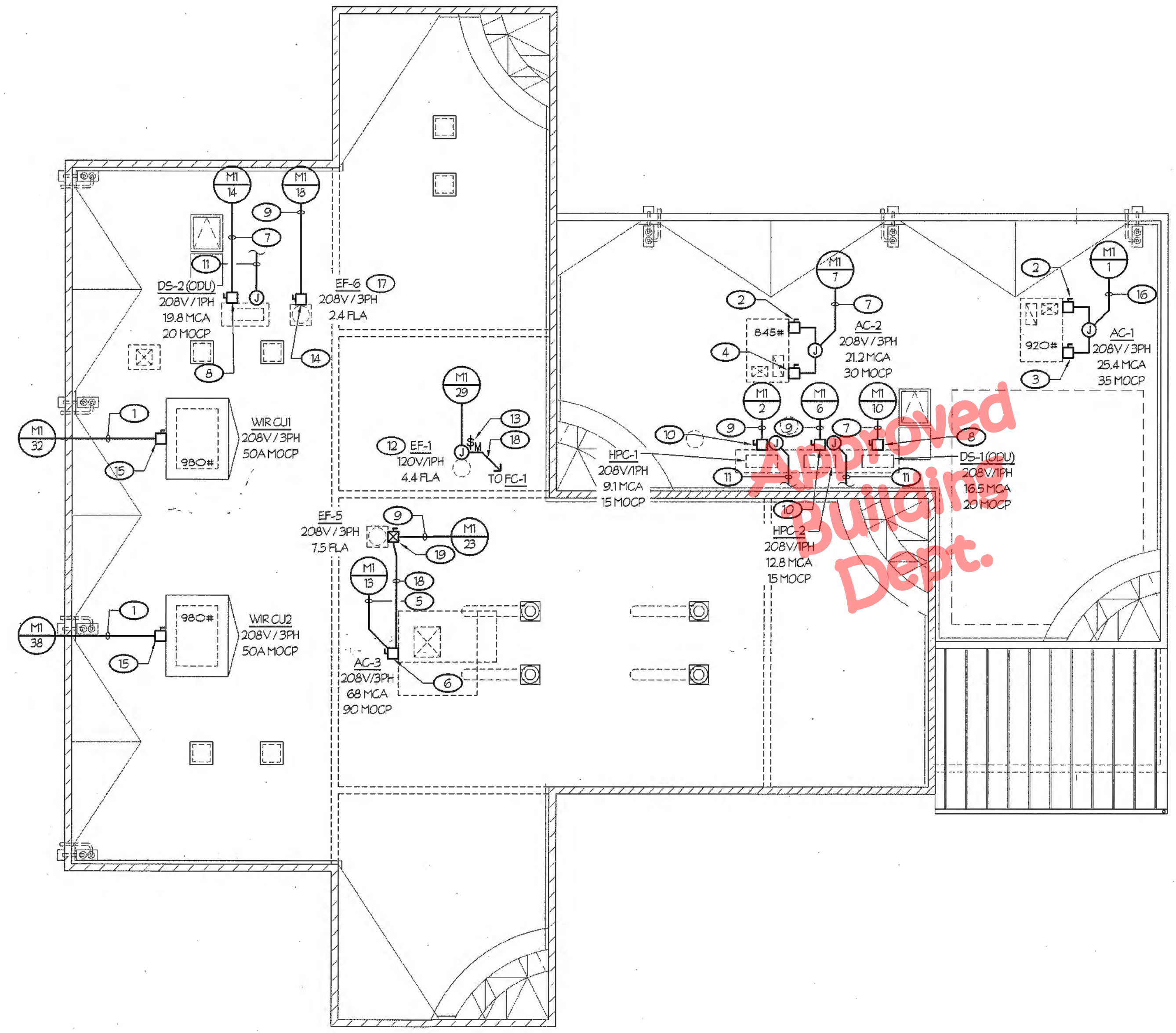
Of # Sheets

#	ROOM NAME
01	OFFICE 1
02	OFFICE 2
03	DETECTIVE BULLPEN
04	TECH BULLPEN
05	CORRIDOR
06	UNISEX 1
07	UNISEX SHOWER
08	UNISEX 2
09	PREP ROOM
10	LOCKER ROOM
11	I.T. CLOSET
12	STORAGE
13	OPEN OFFICE
14	LOBBY
15	MEETING ROOM
16	UNISEX 3
17	AUTOPSY
18	X- RAY STORAGE
19	HISTOLOGY
20	EVIDENCE STORAGE
21	WALK-IN REFRIGERATOR
22	INTAKE
23	PANEL ROOM
24	MECHANICAL
25	SALLY PORT

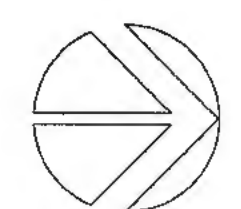
POWER PLAN

SCALE: 1/4" = 1'-0"

2: Drawing Job: 22-102, Tulare County Sheriff's Office, Tulare, CA, Date: 01/12/24, Job #: 22-102-5E



ROOF ELECTRICAL PLAN



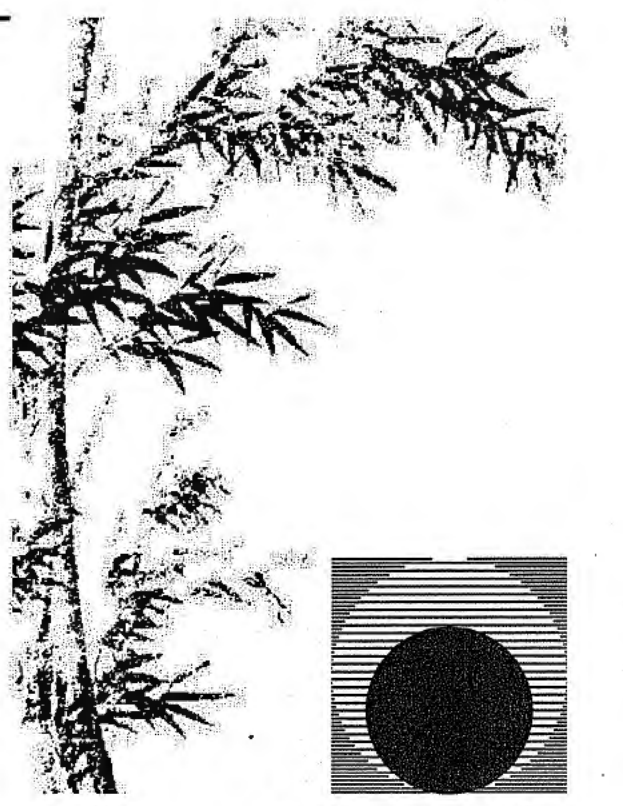
SCALE: 1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

- 1 TC - 3 #5 + 1 #10 GND.
- 2 PROVIDE WEATHERPROOF 30A, 250V, 3-POLE FUSED DISCONNECT SWITCH WITH 7.5A FUSES (TO BE VERIFIED WITH NAMEPLATE) AND CONNECT TO POWER EXHAUST UNIT AS REQUIRED.
- 3 PROVIDE WEATHERPROOF 60A, 250V, 3-POLE FUSED DISCONNECT SWITCH WITH 35A FUSES (TO BE VERIFIED WITH NAMEPLATE) AND CONNECT TO MECHANICAL UNIT AS REQUIRED.
- 4 PROVIDE WEATHERPROOF 60A, 250V, 3-POLE FUSED DISCONNECT SWITCH WITH 30A FUSES (TO BE VERIFIED WITH NAMEPLATE) AND CONNECT TO MECHANICAL UNIT AS REQUIRED.
- 5 1/2" - 3 #4 + 1 #8 GND.
- 6 PROVIDE WEATHERPROOF 100A, 250V, 3-POLE FUSED DISCONNECT SWITCH WITH 30A FUSES (TO BE VERIFIED WITH NAMEPLATE) AND CONNECT TO MECHANICAL UNIT AS REQUIRED.
- 7 3/4" - 2 #10 + 1 #10 GND.
- 8 PROVIDE WEATHERPROOF 30A, 250V, 2-POLE FUSED DISCONNECT SWITCH WITH 30A FUSES (TO BE VERIFIED WITH NAMEPLATE) AND CONNECT TO MECHANICAL UNIT AS REQUIRED.
- 9 3/4" - 3 #12 + 1 #12 GND.
- 10 PROVIDE WEATHERPROOF 30A, 250V, 2-POLE FUSED DISCONNECT SWITCH WITH 15A FUSES (TO BE VERIFIED WITH NAMEPLATE) AND CONNECT TO MECHANICAL UNIT AS REQUIRED.
- 11 PROVIDE 3/4" TO INDOOR UNIT BELOW. CABLES PROVIDED BY MECHANICAL CONTRACTOR.
- 12 PROVIDE 20A, 120V CONTACTOR WITH 24V COIL IN NEMA 3R ENCLOSURE AT EXHAUST FAN UNIT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- 13 PROVIDE WEATHERPROOF MOTOR RATED NON-FUSED DISCONNECT SWITCH AND CONNECT TO EXHAUST FAN AS REQUIRED.
- 14 PROVIDE A WEATHERPROOF 30A, 250V, 3-POLE NONFUSED DISCONNECT SWITCH AND CONNECT TO EXHAUST FAN AS REQUIRED.
- 15 PROVIDE WEATHERPROOF 60A, 250V, 3-POLE FUSED DISCONNECT SWITCH WITH 50A FUSES (TO BE VERIFIED WITH NAMEPLATE) AND CONNECT TO CONDENSING UNIT AS REQUIRED.
- 16 TC - 3 #5 + 1 #10 GND.
- 17 EXHAUST FAN CONTROLLED BY WALL MOUNTED SWITCH BELOW. CONNECT CONTROL CABLES TO START/STOP SIGNAL ON FAN MOUNTED VFD. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- 18 PROVIDE 1/2" FOR INTERLOCK CONTROL CABLES (CABLES BY MECHANICAL CONTRACTOR). COORDINATE WITH MECHANICAL CONTRACTOR AS REQUIRED.
- 19 PROVIDE A WEATHERPROOF 30A, 250V, 3-POLE NONFUSED DISCONNECT SWITCH WITH SIZE '00' STARTER, 24V COIL, AND CONNECT TO EXHAUST FAN AS REQUIRED.

GENERAL NOTES: (THIS SHEET ONLY)

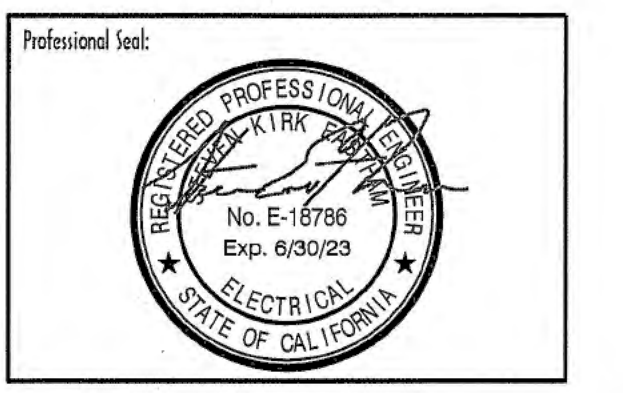
1. CONDUIT SHALL BE ROUTED IN CEILING SPACE BELOW. AT EACH EQUIPMENT LOCATION WITH ROOF CURB, ROUTE BRANCH CIRCUITING UP THROUGH OPENING OF ROOF CURB AND THRU JUNCTION BOX TO EACH DISCONNECT SWITCH. PROVIDE LIQUID TIGHT FLEXIBLE METALLIC CONDUIT INSIDE UNIT FOR ROUTING OF CONDUCTORS.
2. AT LOCATIONS WHERE ROOF PENETRATIONS ARE REQUIRED, PROVIDE APPROVED ROOF JACKS WITH RIGID CONDUIT AND SEAL ALL PENETRATIONS AS REQUIRED.



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Visalia, California 93292-6705

Drawing Status:

**Contract Document**

Revision Summary:

Project:

**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

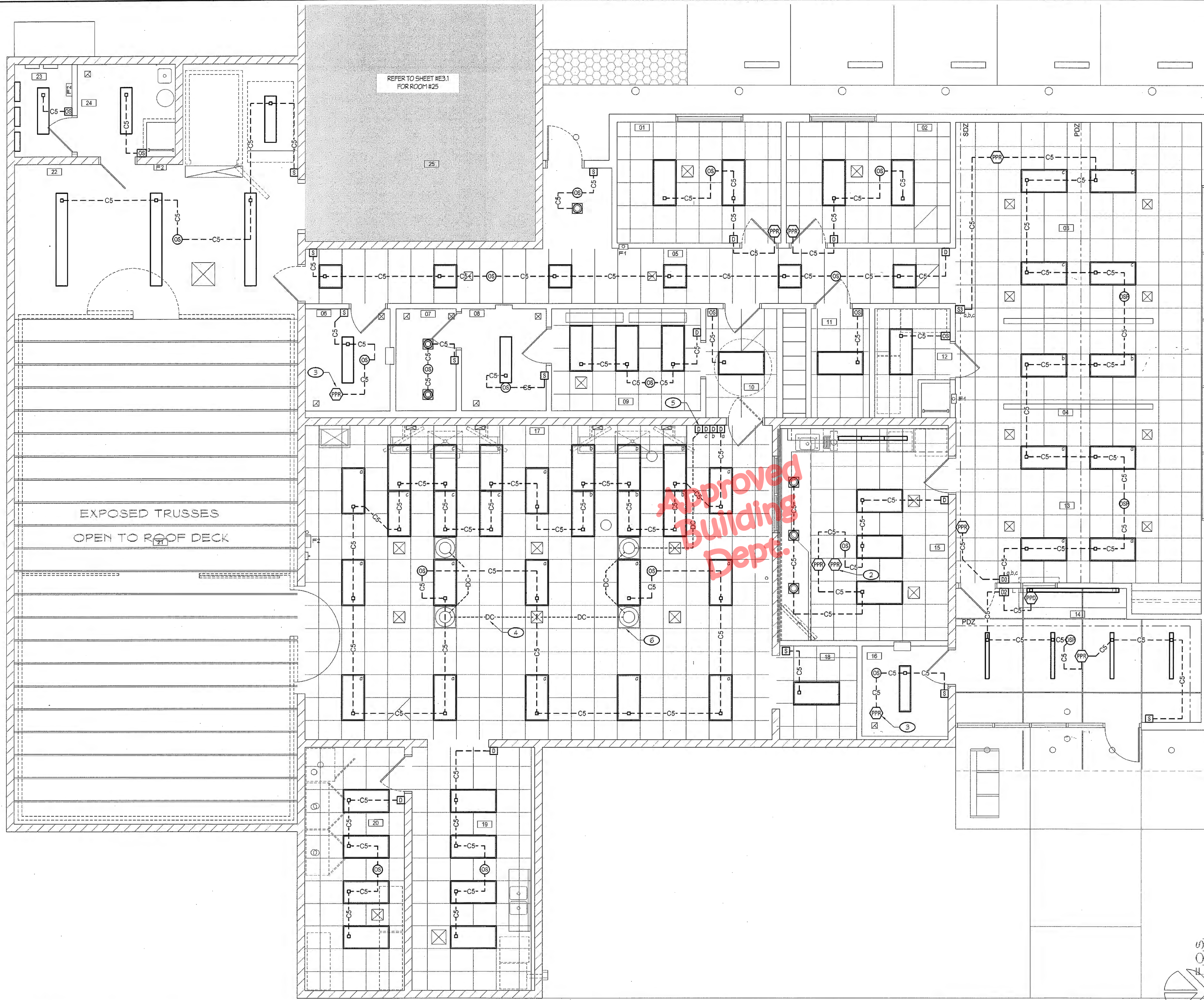
Sheet Discipline:

**ROOF ELECTRICAL PLAN**

Date:	01/12/24
Project:	22-102
Scale:	AS NOTED
Sheet No.:	<b>E1.2</b>

Of # Sheets





**NOTES (THIS SHEET ONLY):**

- ① ---C5--- DENOTES CAT. 5e CABLE. ELECTRICAL CONTRACTOR MAY USE PRETERMINATED CAT. 5e CABLING OR PROVIDE CAT. 5e CABLE, MODULAR JACKS ON EACH END AND TERMINATE THE MODULAR JACKS USING THE TIA/EIA-568-B.2 PIN-PAIR SPECIFICATION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLING. CABLE MAY BE ROUTED IN FREE-AIR, WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING. AT GYPBOARD CEILING, PROVIDE A DOUBLE-GANG LOW VOLTAGE MOUNTING PLATE BRACKET, CADDY #MPLS2 OR EQUAL, AT THE RJ-45 JACKS (EMBEDDED CONTROL) OF THE SURFACE MOUNTED LIGHT FIXTURES FOR PASSAGE OF CAT. 5e CABLING.
- ② PROVIDE RELAY CONTROLLED BY OCCUPANCY SENSOR FOR CONNECTION TO HVAC THERMOSTAT CONTROLS. COORDINATE WITH HVAC CONTRACTOR FOR EXACT CABLE EXPECTED TO BE 1/2" AND CONNECT AS REQUIRED.
- ③ PROVIDE RELAY CONTROLLED BY OCCUPANCY SENSOR FOR CONNECTION TO EXHAUST FAN CIRCUIT. PROGRAM FOR TIME DELAY OF 5 MINUTES AFTER OCCUPANCY SENSOR TIME OUT.
- ④ -----DC----- DENOTES 0-10V DC CABLE. ELECTRICAL CONTRACTOR SHALL PROVIDE 2/C18-AWG CABLING. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLING. CABLE MAY BE ROUTED IN FREE-AIR WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING.
- ⑤ DIMMER SWITCH FOR SKYLIGHTS (PROVIDED BY SKYLIGHT MANUFACTURER). CONTRACTOR SHALL INSTALL SWITCH AND CONNECT CABLES FOR DIMMING OF UNIT AS REQUIRED.
- ⑥ COORDINATE EXACT CONNECTION POINT WITH SKYLIGHT CONTRACTOR AND CONNECT CABLES AS REQUIRED.

**ROOM NAME KEY LIST**

#	ROOM NAME
01	OFFICE 1
02	OFFICE 2
03	DETECTIVE BULLPEN
04	TECH BULLPEN
05	CORRIDOR
06	UNISEX 1
07	UNISEX SHOWER
08	UNISEX 2
09	PREP ROOM
10	LOCKER ROOM
11	I.T. CLOSET
12	STORAGE
13	OPEN OFFICE
14	LOBBY
15	MEETING ROOM
16	UNISEX 3
17	AUTOPSY
18	X-RAY STORAGE
19	HISTOLOGY
20	EVIDENCE STORAGE
21	WALK-IN REFRIGERATOR
22	INTAKE
23	PANEL ROOM
24	MECHANICAL
25	SALLY PORT

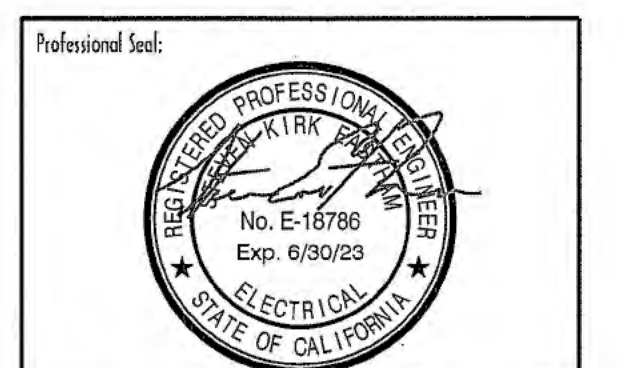
LIGHTING CONTROL PLAN

SCALE: 1/4" = 1'-0"

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Drawing Status:  
**Contract Document**

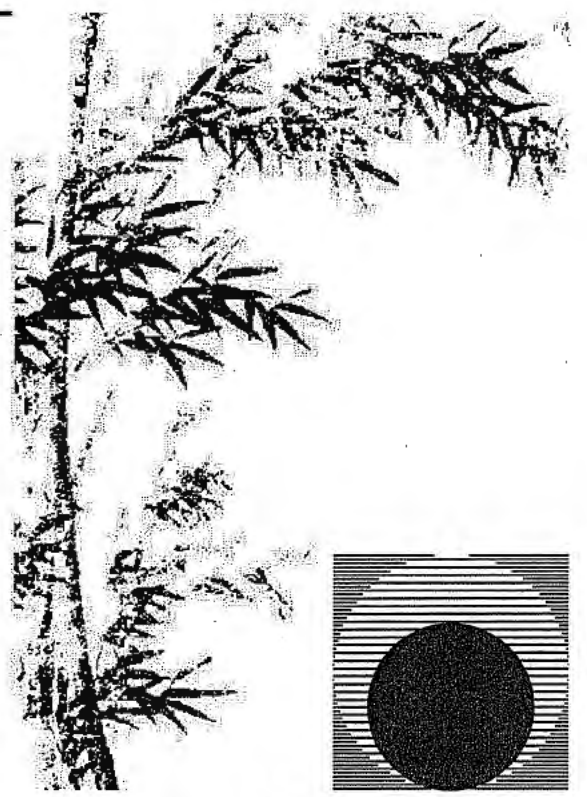
Revision Summary:

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**LIGHTING CONTROL PLAN**

Date: 01/12/24  
Project: 22-102  
Scale: AS NOTED  
Sheet No.: **E2.2**  
Of # Sheets

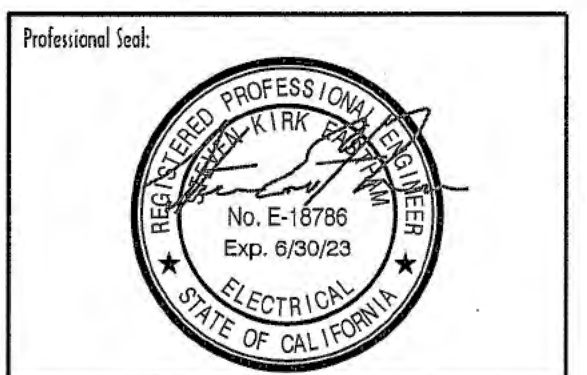
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Drawing Status:  
**Contract Document**

Revision Summary:

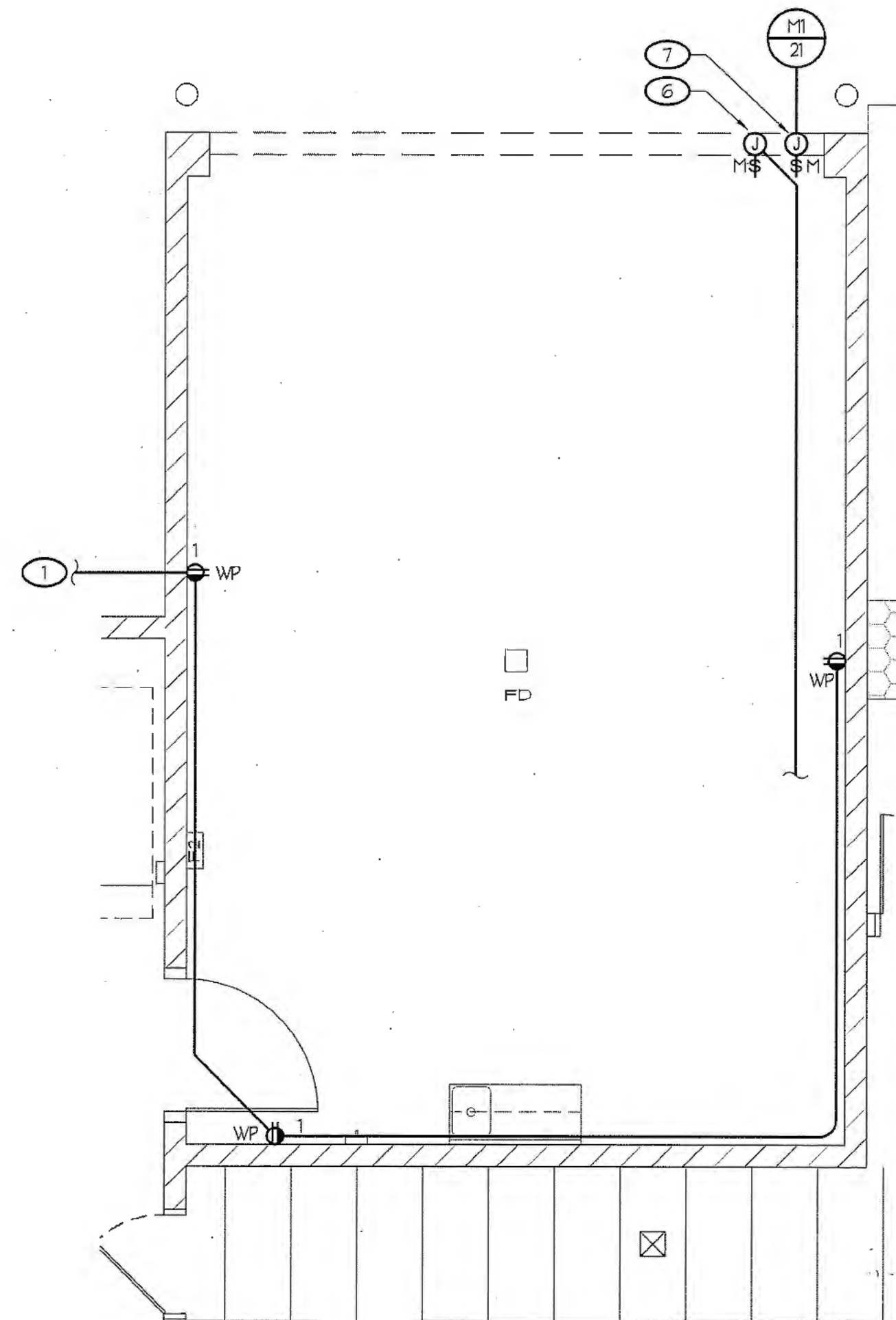
Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
**GARAGE POWER AND LIGHTING PLANS**

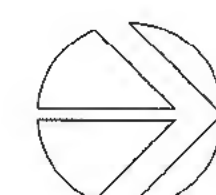
Date: 01/12/24  
 Project: 22-102  
 Scale: AS NOTED  
 Sheet No.: **E3.1**  
 Of # Sheets

**NOTES (THIS SHEET ONLY):**

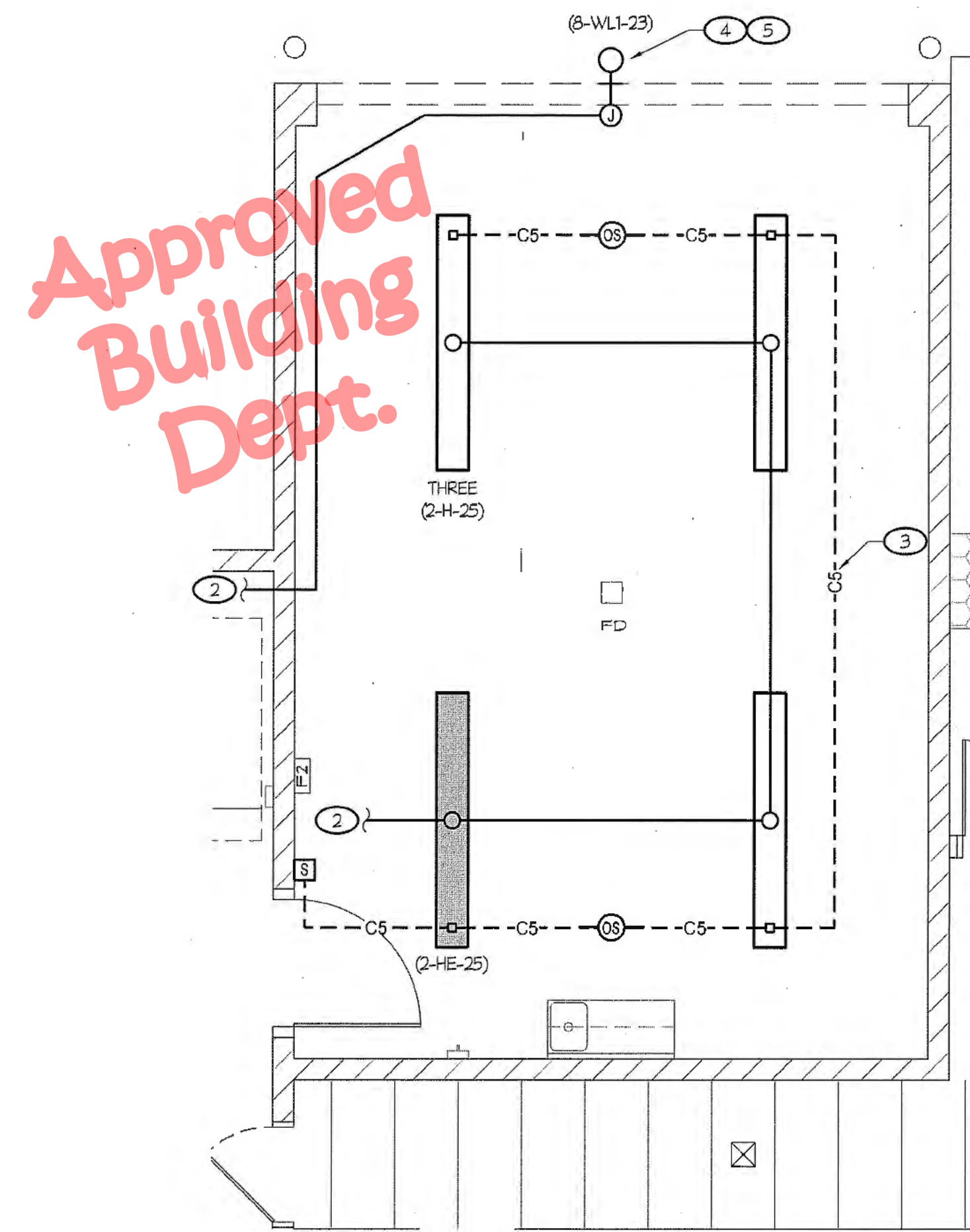
- 1 REFER TO SHEET E1.1 FOR CONTINUATION OF CIRCUIT.
- 2 REFER TO SHEET E2.1 FOR CONTINUATION OF LIGHTING CIRCUIT.
- 3 **C5** DENOTES CAT. 5e CABLE. ELECTRICAL CONTRACTOR MAY USE PRETERMINATED CAT. 5e CABLING OR PROVIDE CAT. 5e CABLE, MODULAR JACKS ON EACH END AND TERMINATE THE MODULAR JACKS USING THE TIA/EIA-568-B.2 PIN-PAIR SPECIFICATION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLING. CABLE MAY BE ROUTED IN FREE-AIR, WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILINGS. AT GYPSBOARD CEILINGS, PROVIDE A DOUBLE-GANG LOW VOLTAGE MOUNTING PLATE BRACKET, CADDY #MPLS2 OR EQUAL, AT THE RJ-45 JACKS (EMBEDDED CONTROLS) OF THE SURFACE MOUNTED LIGHT FIXTURES FOR PASSAGE OF CAT. 5e CABLING.
- 4 MOUNT FLUSH BOX IN CMU AND EXTEND TO ACCESSIBLE ATTIC SPACE.
- 5 REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR LOCATIONS.
- 6 REFER TO SHEET #A6.2 FOR SCOPE OF WORK REQUIRED FOR ALARM CONTROL. PROVIDED MOTOR RATED DISCONNECT SWITCH AT 120V POWER SUPPLY AND CONNECT AS REQUIRED. TYPICAL FOR ACCESS CONTROL DOORS.
- 7 PROVIDE MOTOR RATED DISCONNECT SWITCH AND CONNECT TO DOOR MOTOR AS REQUIRED.



**GARAGE POWER PLAN**



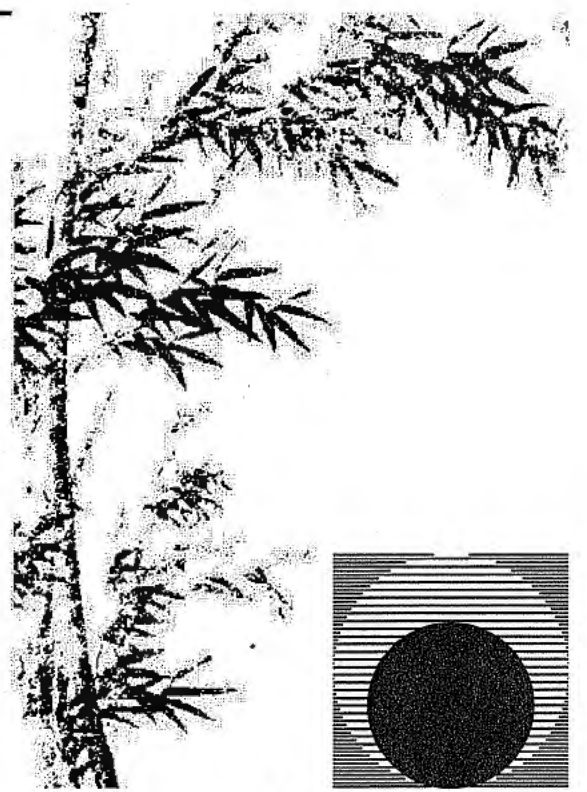
SCALE: 1/4" = 1'-0"



**GARAGE LIGHTING PLAN**



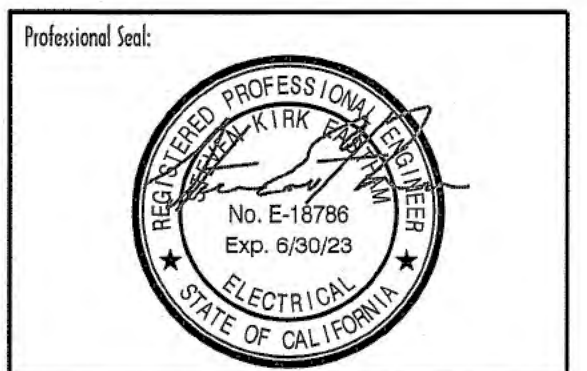
SCALE: 1/4" = 1'-0"



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 Visalia, California 93292-6705

Drawing Status:  
**Contract Document**

Revision Summary:

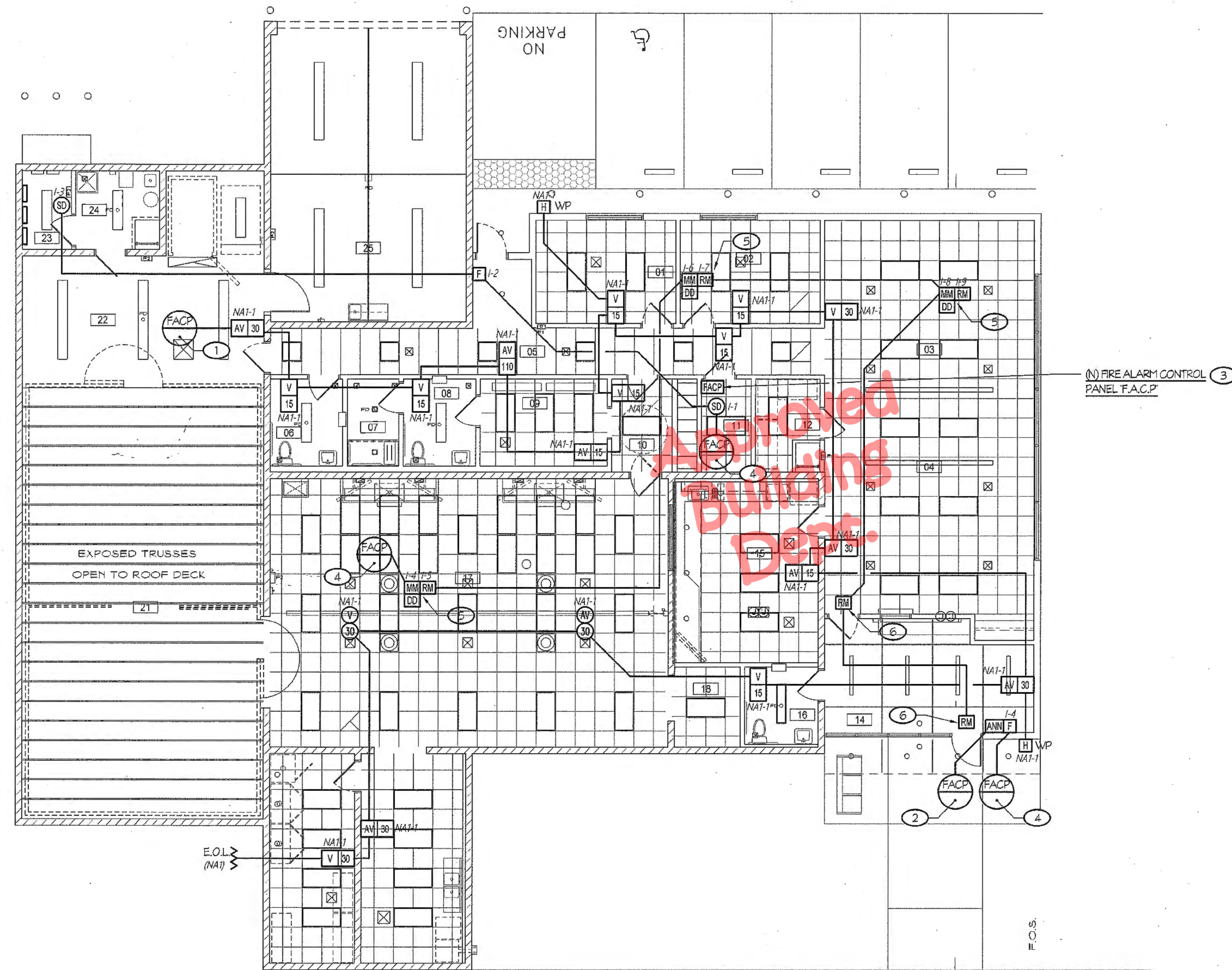
Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
**FIRE ALARM PLAN**

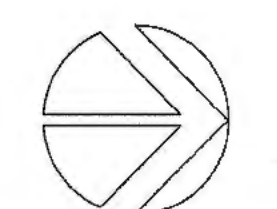
Date: 01/12/24  
 Project: 22-102  
 Scale: AS NOTED  
 Sheet No.: **E4.1**  
 Of # Sheets

**NOTES (THIS SHEET ONLY):**

- ① 1/2" - ONE FN CABLE, TYPICAL FOR NOTIFICATION CIRCUIT.
- ② 1/2" - ONE FC CABLE.
- ③ REFER TO DETAIL #2/E4.4 FOR MOUNTING REQUIREMENTS.
- ④ 1/2" - ONE FA CABLE, TYPICAL FOR INITIATION CIRCUIT.
- ⑤ COORDINATE WITH MECHANICAL CONTRACTOR FOR CONNECTION TO DUCT SMOKE DETECTOR AND INTERCONNECTION WITH RELAY MODULE FOR SHUTDOWN OF HVAC UNIT DURING ALARM CONDITIONS.
- ⑥ COORDINATE WITH DOOR ACCESS CONTROL SYSTEM FOR RELEASE OF DOOR LOCK DURING ALARM CONDITION. REFER TO #A6.2 FOR ADDITIONAL REQUIREMENTS.



**FIRE ALARM PLAN**



SCALE: 1/8" = 1'-0"

FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS					
SYMBOL	DESCRIPTION	MANUF./MODEL #	CSFM LISTING #	BACKBOX REQUIREMENTS (B)	MOUNTING HEIGHT (TO CENTER U.O.N.)
FACP	FIRE ALARM CONTROL PANEL F.A.C.P. #1 WITH INTEGRAL DIGITAL ALARM COMMUNICATOR/TRANSMITTER	FIKE #FCP-75 FCP SERIES FIKE #10-2528 D.A.C.T.	7165-2010.0523	INCLUDED	48"
E	ADDRESSABLE MANUAL PULL STATION	FIKE #FK-FULL-SA	7150-2010.0503	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 5/8" RAISED RING	PER DETAIL #VE4.4
SD	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR	FIKE #FK-2351	7272-2010.0511 7300-1653.0109	3.5" OCTAGON BOX OR 4" OCTAGON BOX	PER DETAIL #VE4.4
MM	ADDRESSABLE MONITOR MODULE	FIKE #FK-ME00M	7300-2010.0505	3.5" OCTAGON BOX OR 4" OCTAGON BOX	
RM	ADDRESSABLE RELAY MODULE	FIKE #FK-ME00R	7300-2010.0505	3.5" OCTAGON BOX OR 4" OCTAGON BOX	
DM	DUCT SMOKE DETECTOR (BY MECHANICAL)	(BY MECHANICAL)	(BY MECHANICAL)		
V 15	VISUAL STROBE, WALL MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #5RL	7125-1653.0504	4" SQ. x 2 1/8" DP. OUTLET BOX	PER DETAIL #VE4.4
AV 15	HORN/STROBE, WALL MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #P2RL	7320-1653.0503	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 1 1/2" DP. BOX EXTENSION	PER DETAIL #VE4.4
V 15	VISUAL STROBE, CEILING MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #5CRL	7125-1653.0504	4" SQ. x 2 1/8" DP. OUTLET BOX	PER DETAIL #VE4.4
AV 15	HORN/STROBE, CEILING MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #P2CRL	7320-1653.0503	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 1 1/2" DP. BOX EXTENSION	PER DETAIL #VE4.4
H W.P.	EXTERIOR HORN, WALL MOUNTED	SYSTEM SENSOR #HRK	7135-1653.0189	4" SQ. x 2 1/8" DP. OUTLET BOX WITH 1 1/2" DP. BOX EXTENSION	
E.O.L.	END OF LINE RESISTOR				
FA' CABLE	ADDRESSABLE FIRE ALARM CABLE (INDOOR)	HONEYWELL #4111	7161-1487.0100		
FN' CABLE	NOTIFICATION FIRE ALARM CABLE (INDOORS)	HONEYWELL GENESIS 18-AWG 2/C	7161-1487.0100		
FC' CABLE	FIRE ALARM COMMUNICATION CABLE (INDOORS)	HONEYWELL GENESIS 18-AWG 4/C	7161-1487.0100		

**NOTES (FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS):**

- (A) END OF LINE RESISTORS FOR NOTIFICATION APPLIANCE CIRCUITS SHALL BE 3.9K OHM, 1/2 WATT.
- (B) VERIFY BACKBOX REQUIREMENTS WITH FIRE ALARM SYSTEM EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- (C) END OF LINE RESISTORS FOR CONVENTIONAL DEVICES CONNECTED TO ADDRESSABLE MONITOR MODULE DEVICES AND/OR ADDRESSABLE CONTROL MODULES SHALL BE 3.9K OHM, 1/2 WATT.

**GENERAL NOTES:**

1. MANUFACTURER SHOWN FOR BASIS OF DESIGN. CONTRACTOR ALLOWED TO SUBMIT OR EQUAL PRODUCTS MEETING FUNCTIONALITY OF SYSTEM. CONTRACTOR SHALL INCLUDE CATALOG SHEETS, CURRENT CSFM LISTING SHEETS, AND CALCULATIONS FOR SUBMITTED PRODUCTS.

**FIRE ALARM SYSTEM GENERAL NOTES**

1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35 (NFPA 2016 EDITION WITH CALIFORNIA AMENDMENTS).
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY AHJ.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A AHJ PROJECT INSPECTOR TEST SHALL INCLUDE ALL INFORMATION PER NFPA 72 14.6.2.4 AND FIGURE 7.8.2(g) AND READ OUT VERIFICATION FORM FROM CENTER STATION.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF AHJ AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6. AHJ, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION. INSTALLATION SHALL COMPLY WITH SECTION 300.21 OF THE CALIFORNIA ELECTRICAL CODE, REGARDING PENETRATIONS THROUGH FIRE RESISTIVE ASSEMBLIES TO PREVENT THE SPREAD OF FIRE AND TOXIC PRODUCTS OF COMBUSTION.
8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN FOR FIRE ALARM SIGNAL.
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
15. ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILING, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE 'ON' POSITION. THE CIRCUIT BREAKER SHALL BE LABELED 'FIRE ALARM CIRCUIT CONTROL'. CIRCUIT ID TO BE LABELED AT FIRE PANELS/EXTENDERS.
21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED 'SYSTEM RECORD OF COMPLETION' PER NFPA 72, FIGURE 17.8.2, AND PROVIDE SYSTEM RECORD TO FRESNO FIRE DEPARTMENT.
22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
23. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
24. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
25. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
26. PROVIDE A COPY OF THE BATTERY CALCULATION AT THE FIRE ALARM CONTROL PANEL F.A.C.P.
27. IT IS THE CONTRACTORS RESPONSIBILITY TO MAKE WORK AVAILABLE FOR INSPECTION.
28. A COMPLETE COPY OF THE APPROVED PLAN SET SHALL BE ON SITE DURING ANY FIRE DEPARTMENT INSPECTION.
29. ALARM BELL SHALL NOT BE ON A SILENCE-ABLE ZONE.
30. AUDIBILITY OF ALARM SHALL NOT BE LESS THAN 15 dB ABOVE AMBIENT SOUND THROUGHOUT AREA OF ALARM.
31. CONTRACTOR REQUIRED TO PROVIDE DECIBEL METER DURING FINAL ACCEPTANCE TESTING TO FIELD VERIFY AUDIBLE CHARACTERISTICS.
32. NO ACCESS CONTROL OR DELAYED EGRESS IS PERMITTED.

**FIRE ALARM LEVEL OF AUDIBILITY**

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15dB ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FEET ABOVE THE FLOOR INSIDE BUILDING.

AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS.

THE FIRE ALARM SIGNAL SHALL COMPLY WITH THE CALIFORNIA EDUCATION CODE, SECTIONS 52000 AND 52004, AND BE A TEMPORAL PATTERN, CODE 3 AND THEN FOLLOWED BY ANY VOICE MESSAGES.

**SCOPE OF WORK**

1. PROVIDE A NEW AUTOMATIC FIRE ALARM SYSTEM WITH SUPPLEMENTAL MANUAL FIRE DETECTION.
2. PROVIDE A FIRE ALARM CONTROL PANEL, ADDRESSABLE INITIATION DEVICES, NOTIFICATION APPLIANCES, CONDUIT, CABLES, AND CONDUCTORS AS SHOWN ON THE DRAWINGS.

**FIRE ALARM MONITORING NOTE**

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR ULUS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

**FIRE ALARM RECORD DOCUMENTS CABINET NFPA 72, 7.7.2**

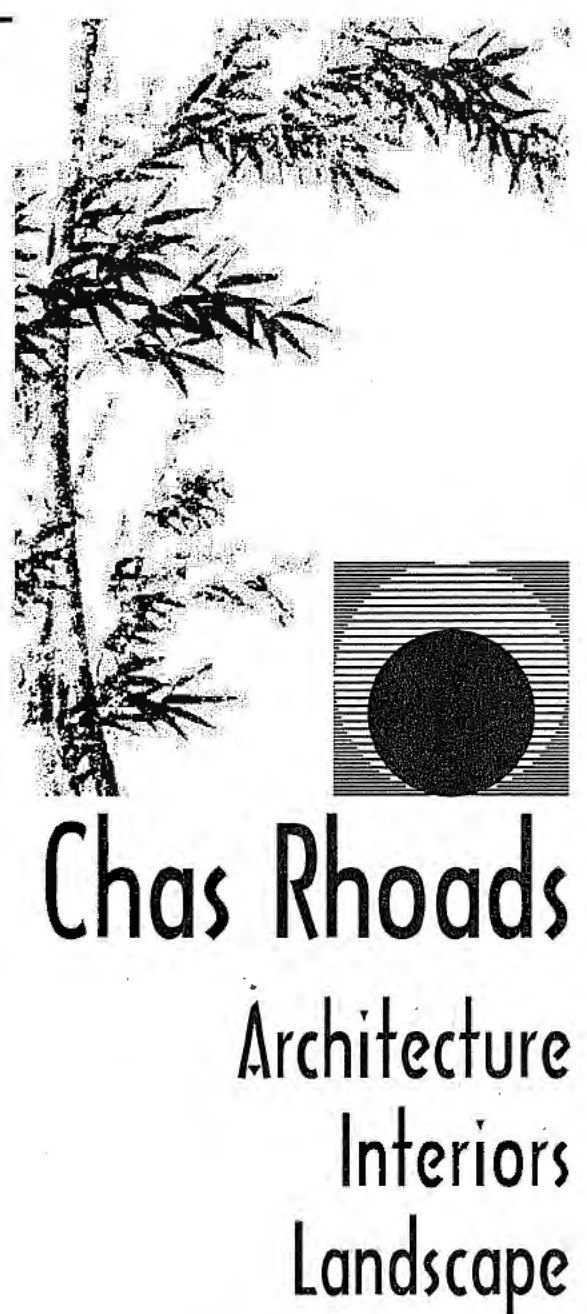
- EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.
- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, 'SYSTEM RECORD DOCUMENTS'.
- ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.

**SYSTEM DOCUMENTS AS APPLICABLE:**

- RECORD DRAWINGS/AS-BUILTS.
- EQUIPMENT CUT SHEETS AND CSA SFM LISTINGS.
- ALTERNATIVE MEANS AND METHODS.
- PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7).
- SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2).
- EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8).
- EVALUATION DOCUMENTATION (NFPA 72, 7.3.9).
- RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6).
- SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2).

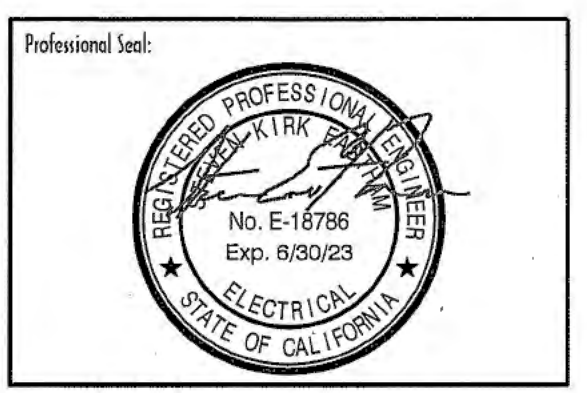
**FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS**

RESULT OF OPERATION	TYPE OF INITIATION				
	MANUAL PULL STATION	AREA SMOKE/HEAT DETECTOR	DUCT SMOKE DETECTOR	LOSS OF POWER	SHORT CIRCUIT/GROUND FAULT
ANNUNCIATE ALARM AT FIRE ALARM CONTROL PANEL	YES	YES	YES		
ANNUNCIATE TROUBLE AT FIRE ALARM CONTROL PANEL				YES	YES
ANNUNCIATE SUPERVISORY AT FIRE ALARM CONTROL PANEL					
ACTIVATE ALL AUDIBLE AND VISUAL ALARM SIGNALS	YES	YES	YES		
TRANSFER TO BATTERY BACK-UP				YES	
SHUTDOWN RESPECTIVE A/C UNIT		YES	YES		
ANNUNCIATE AT 24 HR. ATTENDED LOCATION	YES	YES	YES	YES	
CENTRAL STATION FOR MONITORING (ALARM)	YES	YES	YES		
CENTRAL STATION FOR MONITORING (TROUBLE)				YES	
CENTRAL STATION FOR MONITORING (SUPERVISORY)					



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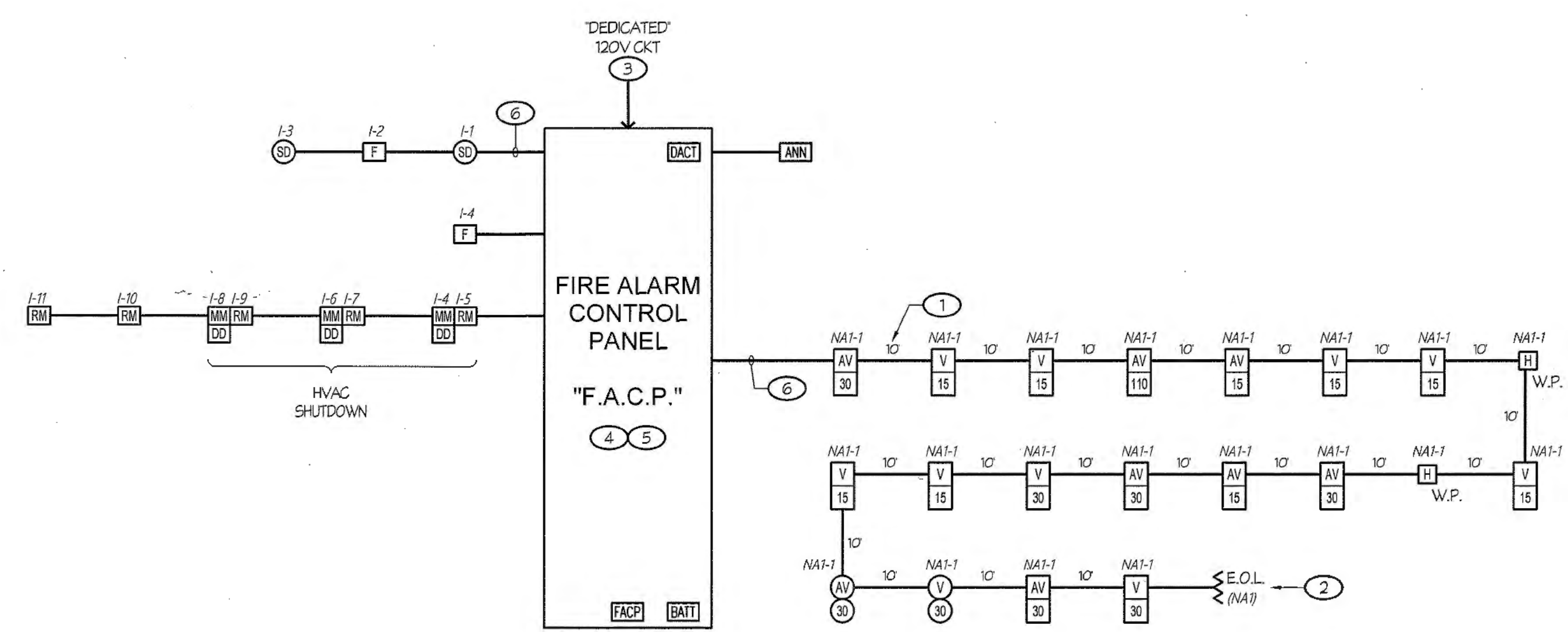
Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**FIRE ALARM CODES, NOTES,  
SYMBOLS, CALCS**

Date: 01/12/24  
Project: 22-102  
Scale: AS NOTED  
Sheet No.: **E4.2**  
01 of 9 Sheets



- NOTES (THIS DETAIL ONLY):
- LENGTHS INDICATED WERE USED FOR CALCULATIONS/DESIGN PURPOSES ONLY AND BASED UPON THE DIAGRAMMATIC LAYOUT SHOWN ON THE DRAWINGS. LENGTHS SHALL NOT BE USED FOR BIDDING.
  - DENOTES END OF LINE RESISTOR ON NOTIFICATION APPLIANCE CIRCUIT. RESISTORS SUPPLIED WITH CONTROL/EXPANDER PANELS AS REQUIRED. LOCATE RESISTORS AT END OF LINE APPLIANCES (CLASS 'B' WIRING), TYPICAL.
  - CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY. PROVIDE AN ENGRAVED NAMEPLATE: 'FIRE ALARM - LEAVE ON'. NAMEPLATE SHALL HAVE WHITE LETTERS ON A RED BACKGROUND. PAINT LOCK-ON ACCESSORY RED IN COLOR.
  - PROVIDE A COPY OF THE BATTERY CALCULATION FOR THE RESPECTIVE POWER EXPANDER PANEL (OR THE FIRE ALARM CONTROL PANEL 'F.A.C.P.'). THE BATTERY CALCULATION SHALL CONTAIN INFORMATION (AS NOTED ON THESE PLANS) AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF PANEL DOOR.
  - PROVIDE 'END OF LINE' RESISTORS AT ANY UNUSED OUTPUTS.
  - REFER TO THE FIRE ALARM PLAN, ON SHEET #E4.1, FOR CONDUIT AND CABLEING/CONDUCTOR REQUIREMENTS, TYPICAL.

1 FIRE ALARM SYSTEM RISER DIAGRAM

Approved  
Building  
Dept.

**VOLTAGE DROP CALCULATIONS (OHMS LAW)**

VOLTAGE DROP =  $2 \left( \frac{\text{DC RESISTANCE AT 75°C FROM TABLE 8, C.E.C.}}{1000} \right) \left( \frac{\text{LENGTH OF CIRCUIT}}{1000} \right) \left( \frac{\text{CURRENT}}{1} \right)$

PERCENT VOLTAGE DROP =  $\frac{\text{VOLTAGE DROP}}{\text{NOMINAL VOLTAGE}} \times 100$

**I. NOTIFICATION APPLIANCE CIRCUIT - NAI:**

V 15	: 8 x 0.043 A = 0.344 A
V 30	: 2 x 0.063 A = 0.126 A
AV 15	: 2 x 0.054 A = 0.108 A
AV 30	: 4 x 0.074 A = 0.296 A
AV 110	: 1 x 0.162 A = 0.162 A
V 30	: 1 x 0.063 A = 0.063 A
HI 30	: 1 x 0.090 A = 0.090 A
HI 15	: 2 x 0.069 A = 0.138 A
W.P.	1.377 A

VOLTAGE DROP =  $2(1.99) \left( \frac{315}{1000} \right) (1.377) = 1.655 \text{ V.D.}$

PERCENT VOLTAGE DROP =  $\frac{1.655}{24} \times 100 = 6.9\%$

**FIRE ALARM POWER CONTROL PANEL 'F.A.C.P.'  
BATTERY CALCULATION**

DESCRIPTION	QUANTITY	SUPV. CURRENT		ALARM CURRENT	
		EACH	SUB-TOTAL	EACH	SUB-TOTAL
CONTROL PANEL WITH DACT	1	0.173	0.173	0.246	0.246
MANUAL PULL STATION	2	—	—	—	—
REMOTE ANNUNCIATOR	1	0.045	0.045	0.160	0.160
SMOKE DETECTOR	2	0.0003	0.0006	0.0003	0.0006
15' STROBE (WALL)	8	—	—	0.043	0.344
30' STROBE (WALL)	2	—	—	0.063	0.126
HORN/15' STROBE (WALL)	2	—	—	0.054	0.108
HORN/30' STROBE (WALL)	4	—	—	0.074	0.296
HORN/110' STROBE (WALL)	1	—	—	0.162	0.162
30' STROBE (CEILING)	1	—	—	0.063	0.063
HORN/30' STROBE (CEILING)	1	—	—	0.090	0.090
EXTERIOR HORN	2	—	—	0.069	0.138
<b>TOTALS</b>			<b>0.219</b>		<b>1.734</b>

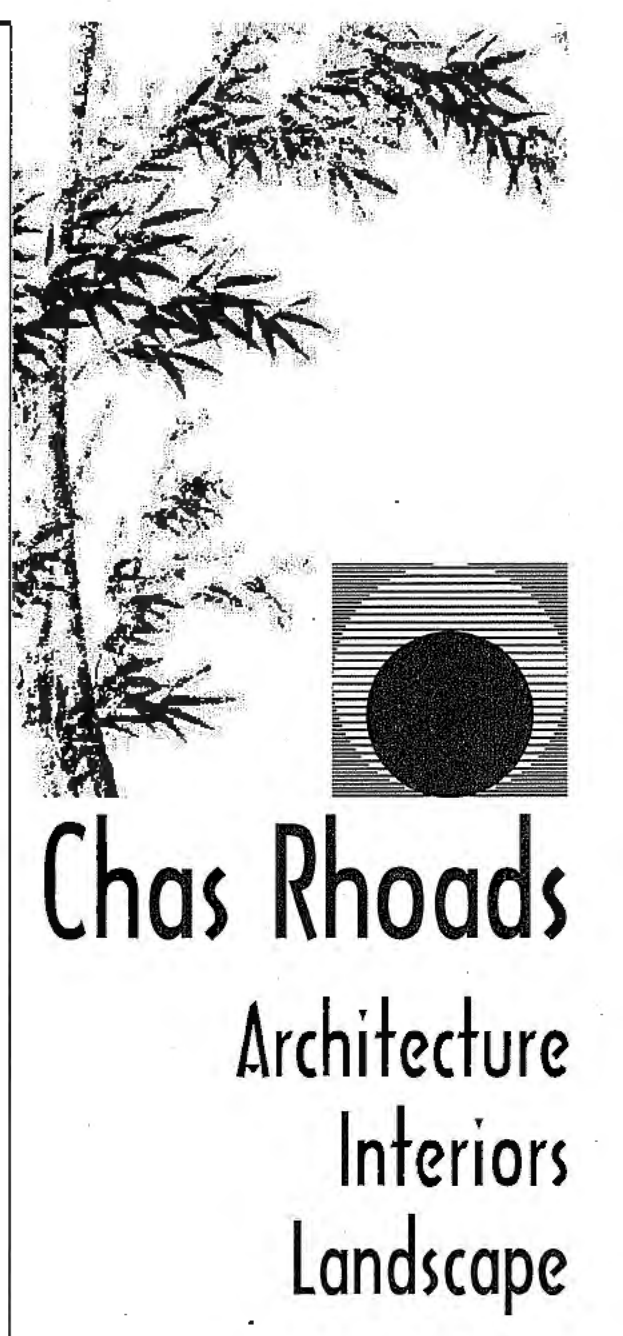
TOTAL ALARM CURRENT OF 1.734 x 0.250 (5 MINUTES) = 0.434 A.H.

TOTAL SUPERVISORY CURRENT OF 0.219 x 24 HOURS = 5.256 A.H.

TOTAL AMP HOURS REQUIRED = 5.690 A.H.

x 1.2 SAFETY FACTOR  
6.83 A.H.

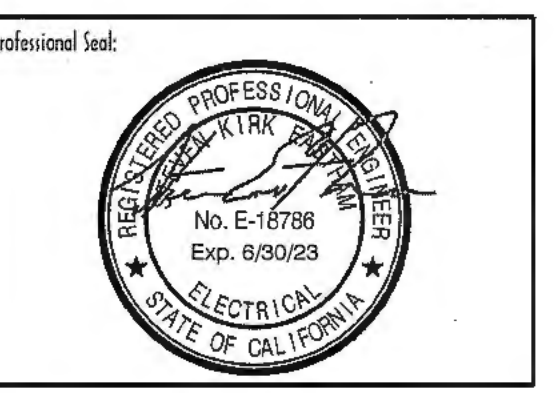
PROVIDE 12.0 AMP HOUR BATTERIES



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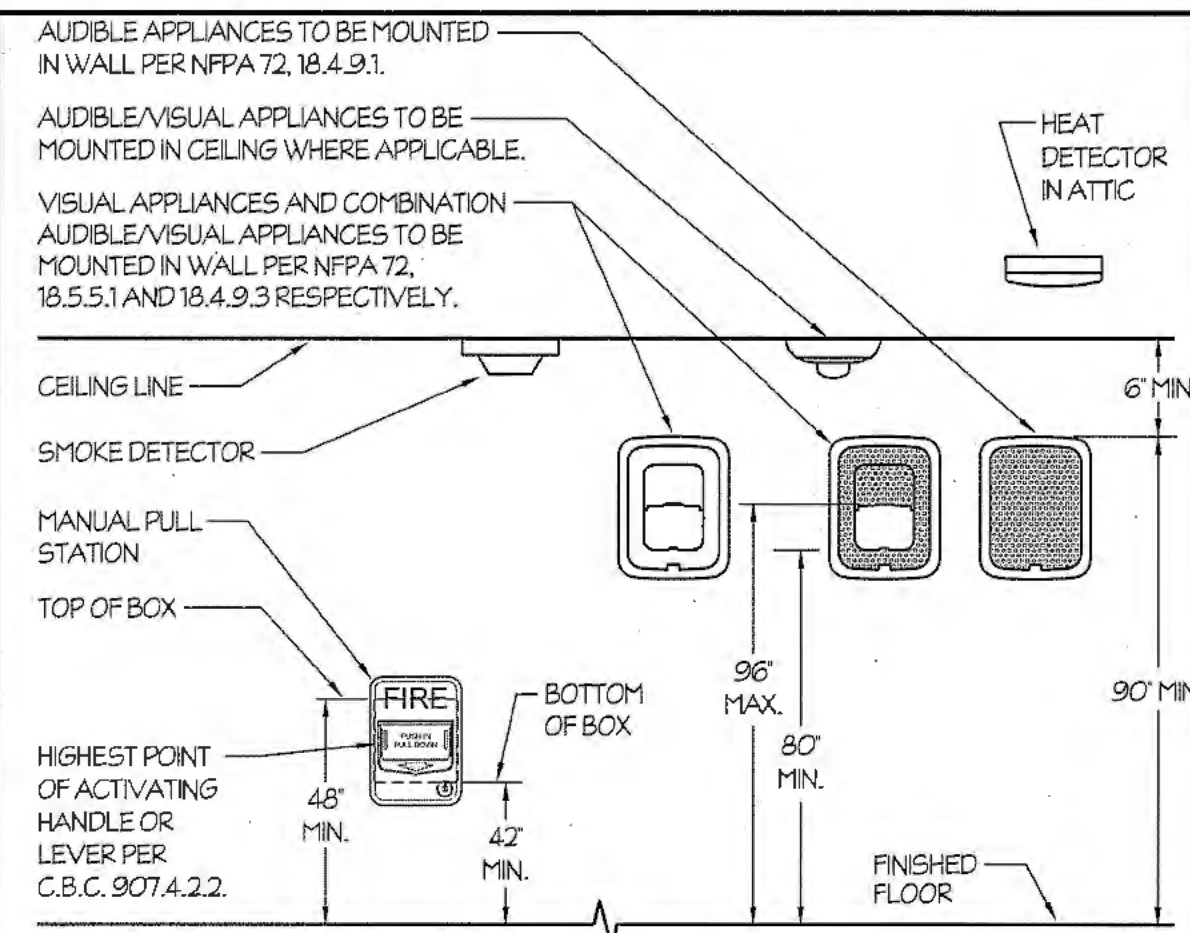
Revision Summary:

Project:  
**New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California**

Sheet Description:  
**FIRE ALARM  
RISER DIAGRAM**

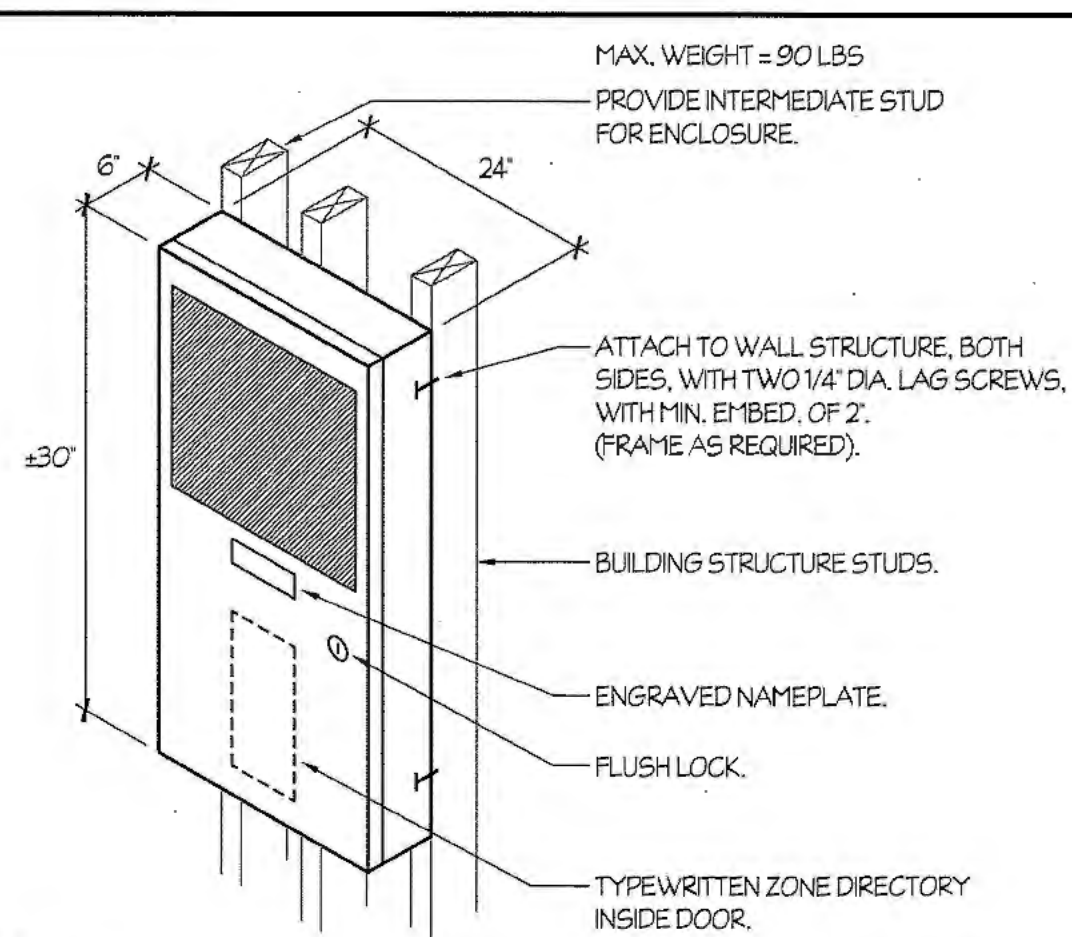
Date: 01/12/24  
Project: 22-102  
Scale: AS NOTED  
Sheet No.: **E4.3**





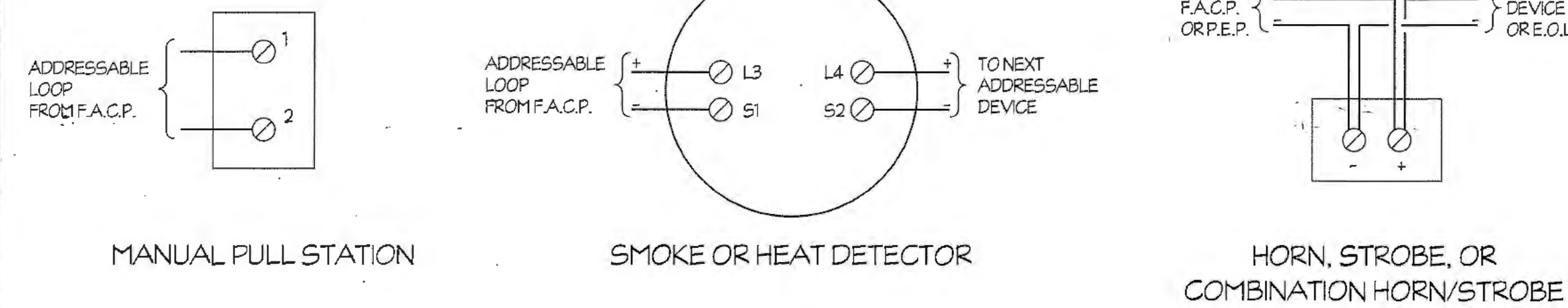
1 FIRE ALARM DEVICES ELEVATION

NTS



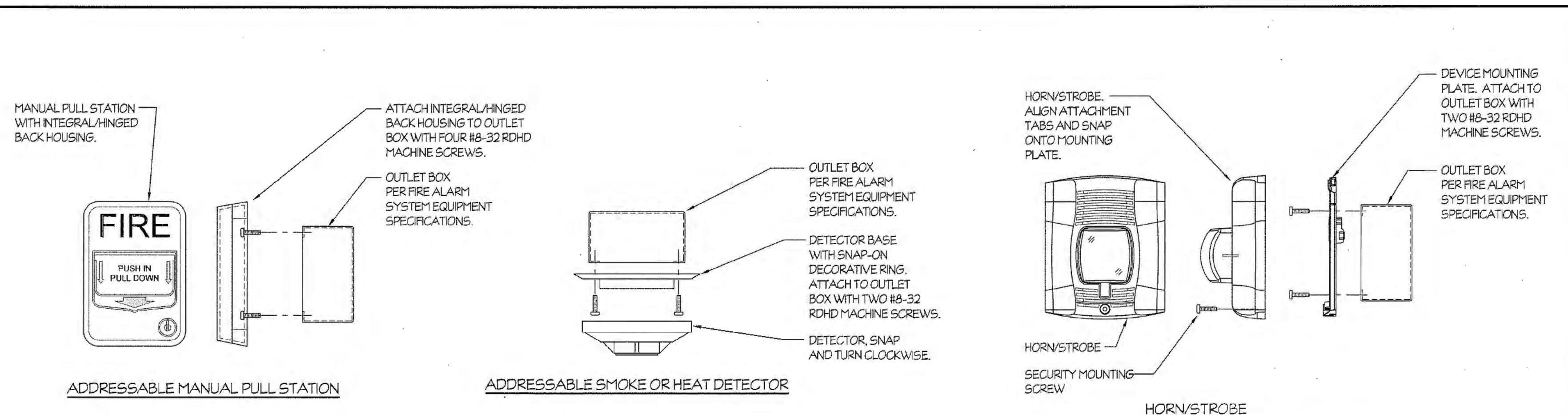
2 FIRE ALARM CONTROL PANEL "F.A.C.P." MOUNTING

NTS



3 FIRE ALARM SYSTEM WIRING DIAGRAMS

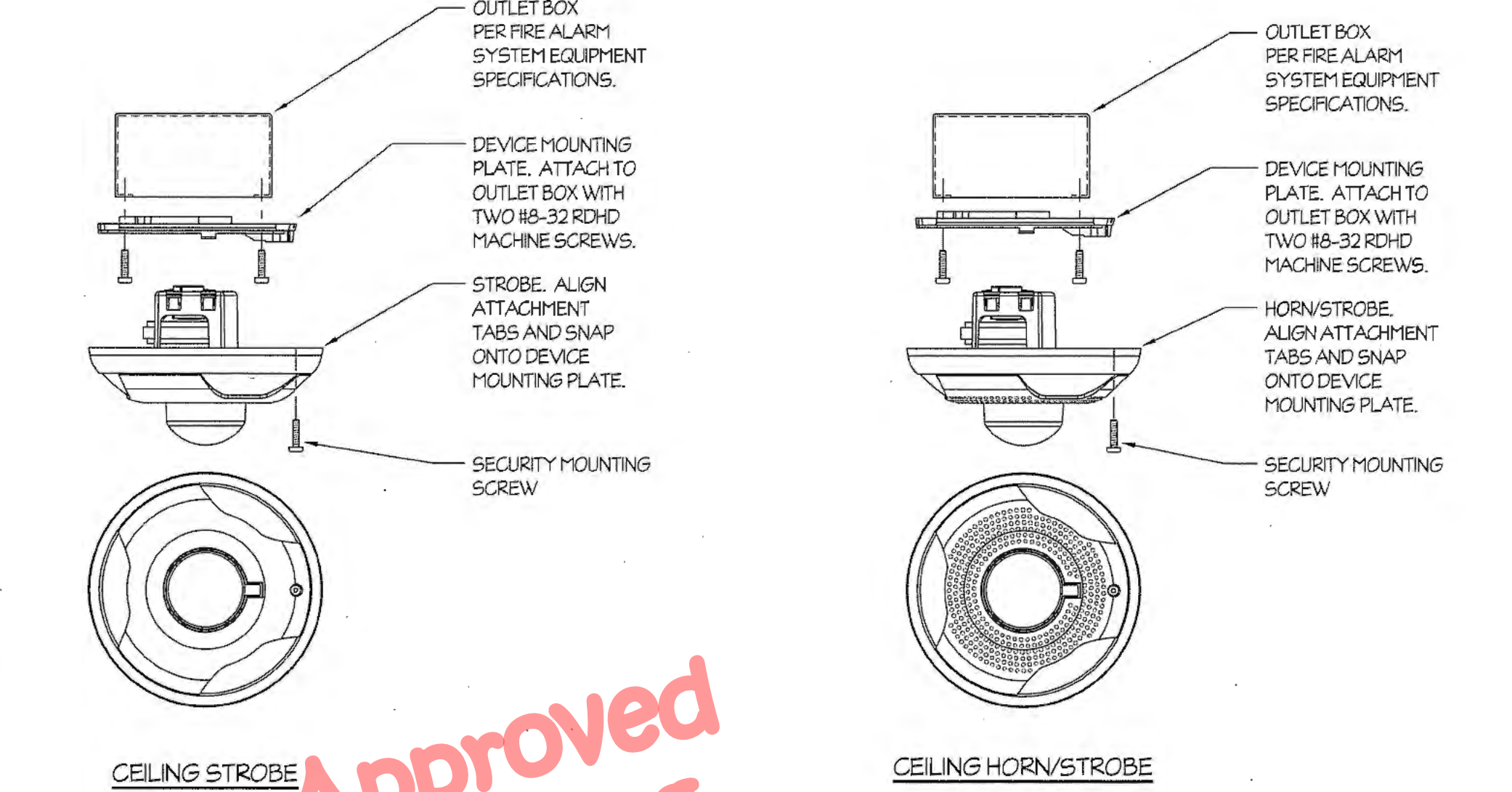
NTS



ADDRESSABLE MANUAL PULL STATION

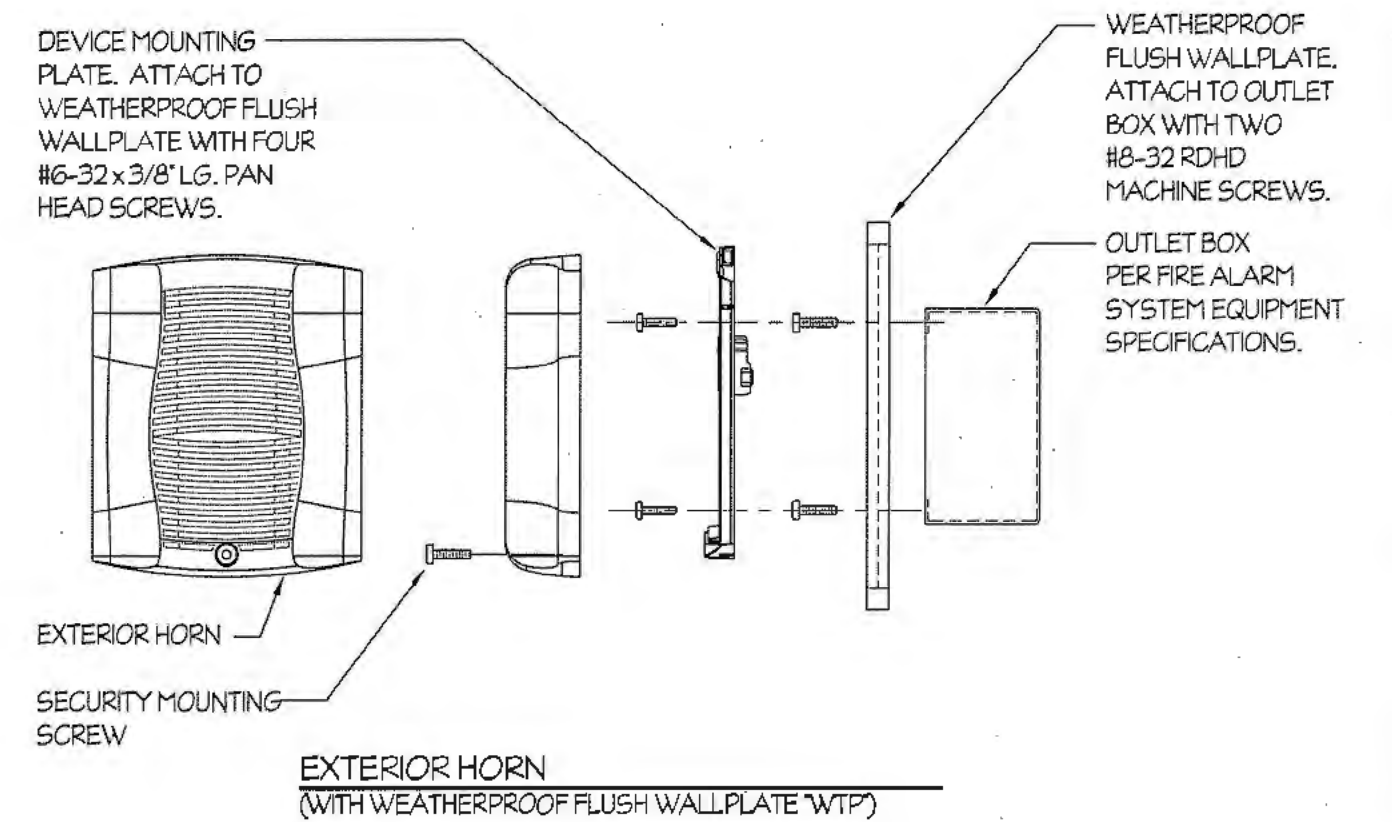
ADDRESSABLE SMOKE OR HEAT DETECTOR

HORN/STROBE (SIMILAR MOUNTING FOR VISUAL STROBE)



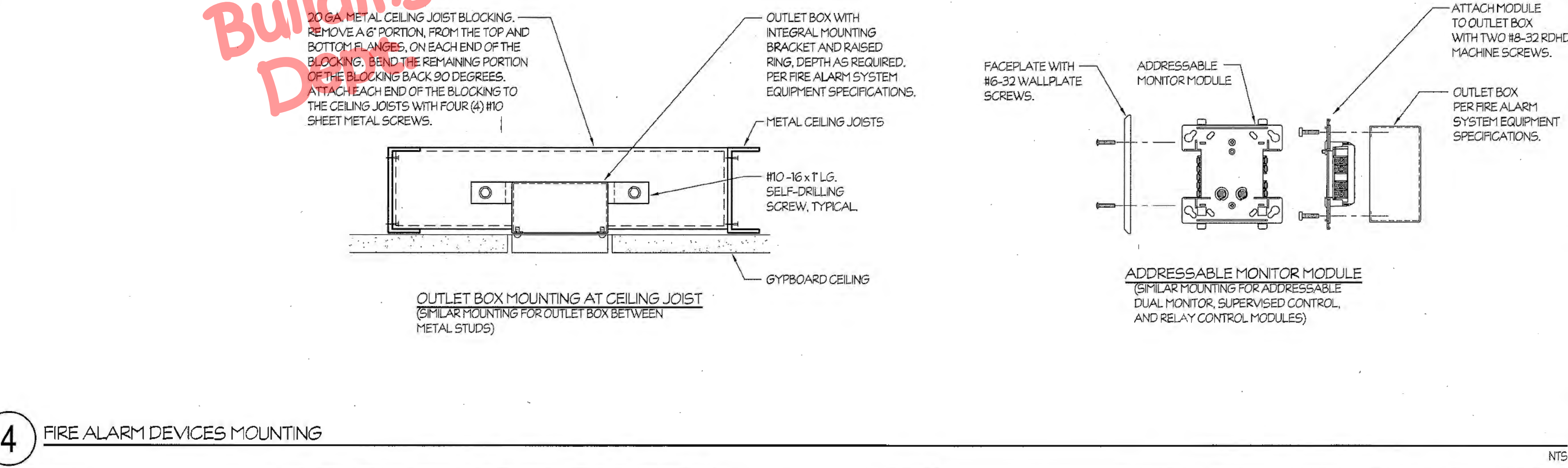
CEILING STROBE

CEILING HORN/STROBE



EXTERIOR HORN (WITH WEATHERPROOF FLUSH WALLPLATE "WTF")

**Approved Building Details**



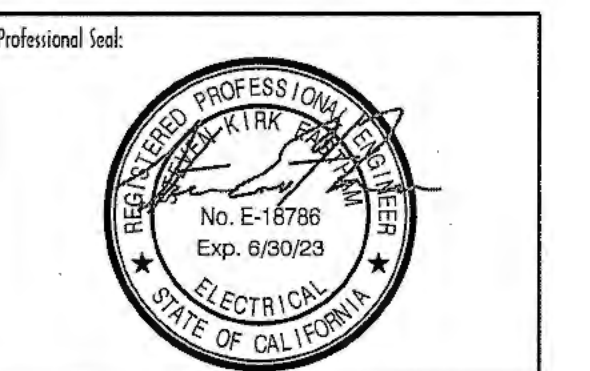
4 FIRE ALARM DEVICES MOUNTING

NTS

**Chas Rhoads**  
 Architecture  
 Interiors  
 Landscape

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Consultant:  
**Rose Sing Eastham & Associates**  
 Electrical Consultants  
 131 S. Dunworth - (559)733-2671  
 Visalia, California 93292-6705

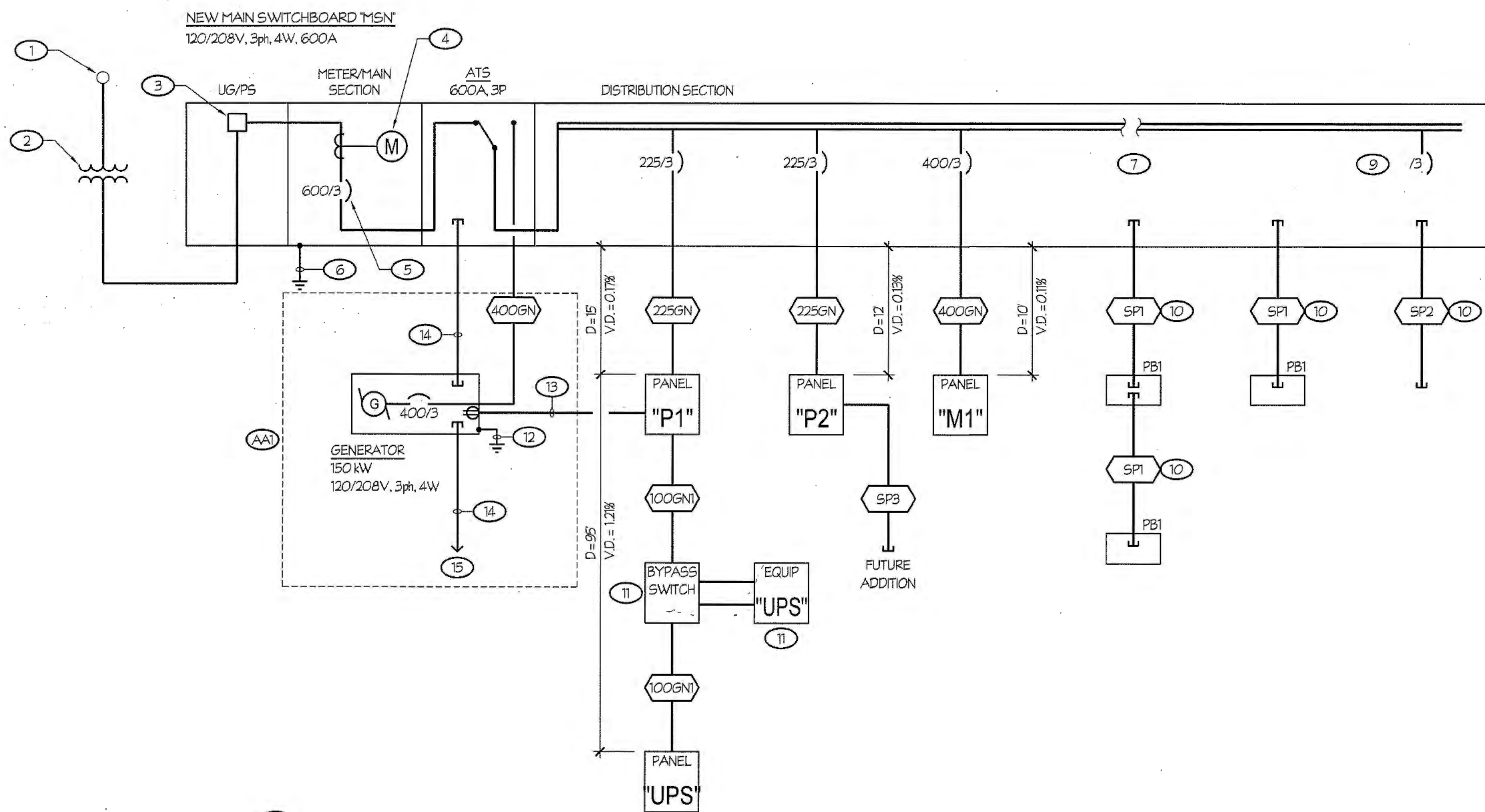
Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building**  
 Tulare County Sheriff  
 South "O" Street  
 Tulare, California

Sheet Description:  
**FIRE ALARM**  
**DETAILS**

Date: 01/12/24  
 Project: 22-102  
 Scale: AS NOTED  
 Sheet No.: **E4.4**  
 of # Sheets



1 ONE LINE DIAGRAM

**NEW MAIN SWBD MSB LOAD CALCULATION:**

NEW 'CONNECTED' LOAD BEING ADDED	163.6 kVA
LIGHTING x 125%	5.3 kVA
H.V.A.C. x 125%	104.9 kVA
RECEPTACLES (FIRST 10 kVA AT 100% REMAINDER AT 50%)	33.4 kVA
EV CHARGERS (FUTURE)	15 kVA
MISCELLANEOUS AT 100%	5 kVA
<b>SUB-TOTAL</b>	<b>163.6 kVA</b>
AT 120/208V 3ph 4W	454 AMPS

THEREFORE, THE NEW 600 AMP MAIN SWITCHBOARD IS SUFFICIENT.

**NEW FEEDER SCHEDULE:**  
(ALL UNDERGROUND CONDUCTORS, OF A 480/277V POWER SYSTEM, SHALL BE TYPE CU-XHHW-2. ALL OTHER CONDUCTORS, INCLUDING THE EQUIPMENT GROUNDING CONDUCTOR, SHALL BE CU-THWN-2 FOR #8 AWG OR LARGER AND CU-THWN FOR #10 AWG OR SMALLER.)

100GN	1 1/2" C - 3 #2 + 1 #8 GND.
225GN	2 1/2" C - 4 #4/O + 1 #4 GND.
400GN	3 1/2" C - 4 #500 kcmil + 1 #2 GND.
SP1	(2) 2" CONDUIT FOR FUTURE EV CHARGERS.
SP2	(2) 2" CONDUIT FOR FUTURE SOLAR PV SYSTEM.
SP3	(2) 1 1/2" CONDUIT FOR FUTURE ADDITIONS.

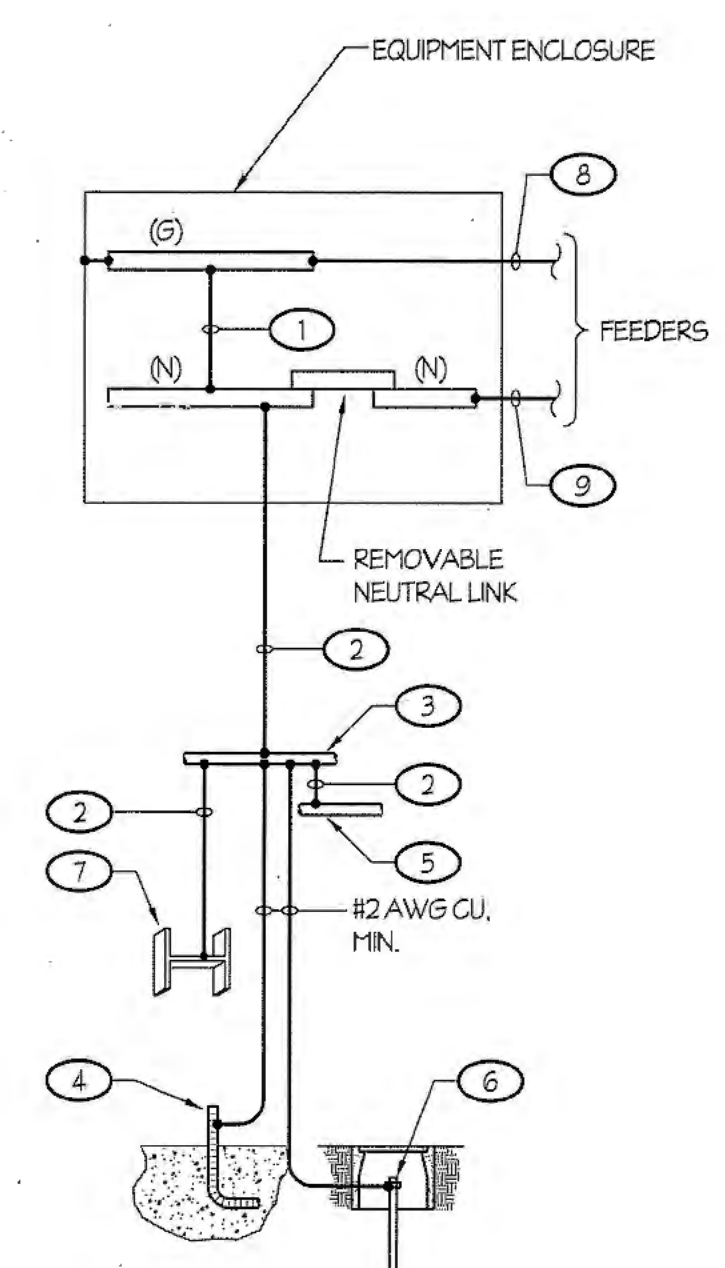
GENERATOR AND INSTALLATION SHALL BE BID AS ADDITIONAL ALTERNATE BID 1. BASE BID SHALL INCLUDE PROVISIONS FOR ADDING PORTABLE GENERATOR.

- ONE LINE DIAGRAM NOTES:**
- EXISTING S.C.E. POWER POLE. VERIFY EXACT LOCATION AND RISER QUADRANT WITH P.G&E PRIOR TO ROUGH-IN.
  - POLE MOUNTED TRANSFORMER PER PG&E REQUIREMENTS.
  - PROVIDE LANDING LUGS PER S.C.E. REQUIREMENTS.
  - PROVIDE METERING FACILITIES PER S.C.E. REQUIREMENTS.
  - MAIN CIRCUIT BREAKER SHALL BE 100% RATED.
  - 1#3/0 TO GROUNDING ELECTRODE SYSTEM PER DETAIL #2/E5.1.
  - PROVIDE SPACE AND MOUNTING HARDWARE FOR A MINIMUM OF TWO 200/3 AND TWO 100/3 CIRCUIT BREAKERS.
  - 1#2 TO GROUNDING ELECTRODE SYSTEM PER DETAIL #2/E5.2.
  - FUTURE SOLAR PV BREAKER SHALL BE AT OPPOSITE END OF BUS FROM MAIN BREAKER.
  - PROVIDE A NYLON PULL STRING INSIDE ALL 'SPARE' CONDUITS. TAG ORIGINATION OR DESTINATION AT EACH STUB.
  - PROVIDE UNINTERRUPTIBLE POWER SUPPLY SYSTEM AS MANUFACTURED BY APC, INCLUDING MAINTENANCE BYPASS SWITCH SBP16KP AND 16 kVA UPS, MODEL SYMMETRA LX16KPKR.
  - 1#3/0 TO GROUNDING ELECTRODE SYSTEM PER DETAIL #3/E5.1.
  - 3/4" - 4 #12 + 1 #2 GND.
  - T.C. - GENERATOR CONTROL CABLES (PER MANUFACTURER).
  - CONNECT TO REMOTE ANNUNCIATOR FOR GENERATOR STATUS IN ROOM 04. REFER TO SHEET E11.

**ADDITIVE ALTERNATE 1**

AAA PROVIDE SEPARATE BID LINE ITEM FOR GENERATOR SYSTEM AS 'ADDITIVE ALTERNATE 1'. INCLUDE LINE ITEM FOR GENERATOR SKID, AND AUTOMATIC TRANSFER SWITCH. IF ADD ALTERNATE IS NOT SELECTED, CONTRACTOR SHALL PROVIDE TERMINATIONS FOR WITHIN ATS SECTION TO ALLOW FUTURE ADDITION OF GENERATOR SYSTEM.

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Dept.

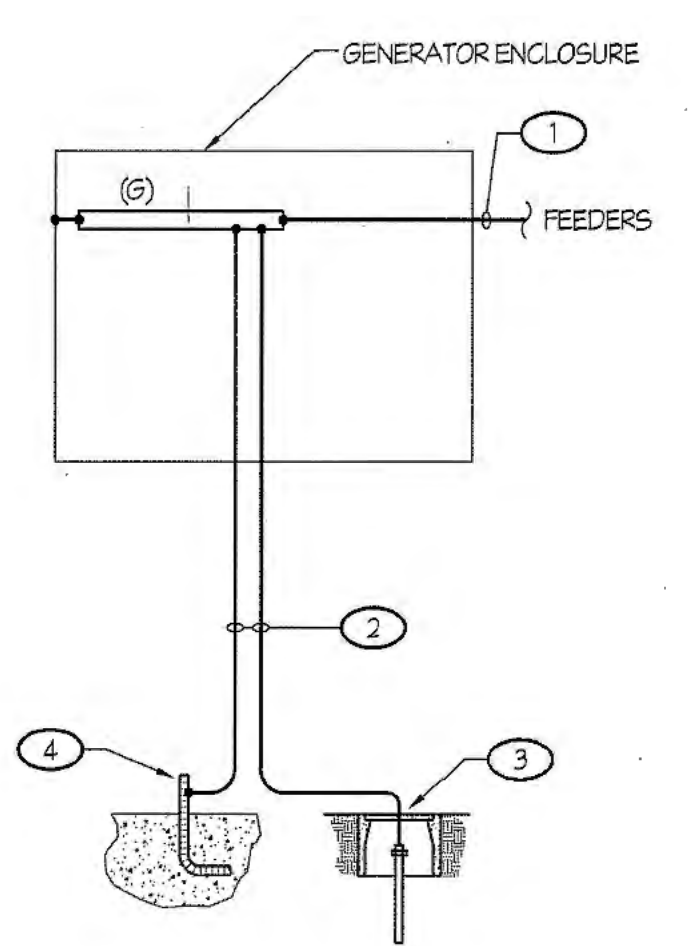


- NOTES (THIS DETAIL ONLY):**
- MAIN BONDING JUMPER PER C.E.C. 250.28.
  - FULL SIZE GROUNDING ELECTRODE CONDUCTOR PER C.E.C., TABLE 250.66.
  - METAL WATER PIPING PER C.E.C. 250.104.
  - CONCRETE ENCASED ELECTRODE PER C.E.C. 250.52 (A), (2).
  - OTHER ABOVEGROUND METALLIC PIPING SYSTEMS PER C.E.C. 250.104.
  - 5/8" DIA. X 10' ROD ELECTRODE PER C.E.C. 250.52 (A), (5), IN GROUND ROD WELL PER DETAIL #9 / E6.1.
  - EXPOSED BUILDING STRUCTURAL STEEL PER C.E.C. 250.104.
  - EQUIPMENT GROUND CONDUCTOR PER FEEDER SCHEDULE.
  - NEUTRAL CONDUCTOR PER FEEDER SCHEDULE.

**LEGEND:**  
(G) DENOTES THE GROUND BUS OR BAR  
(N) DENOTES THE NEUTRAL BUS OR BAR

**GENERAL NOTE:**  
ALL MATERIALS AND METHODS USED IN GROUNDING AND BONDING SHALL COMPLY WITH C.E.C. ARTICLE 250.

2 MAIN SERVICE EQUIPMENT - GROUNDING AND BONDING

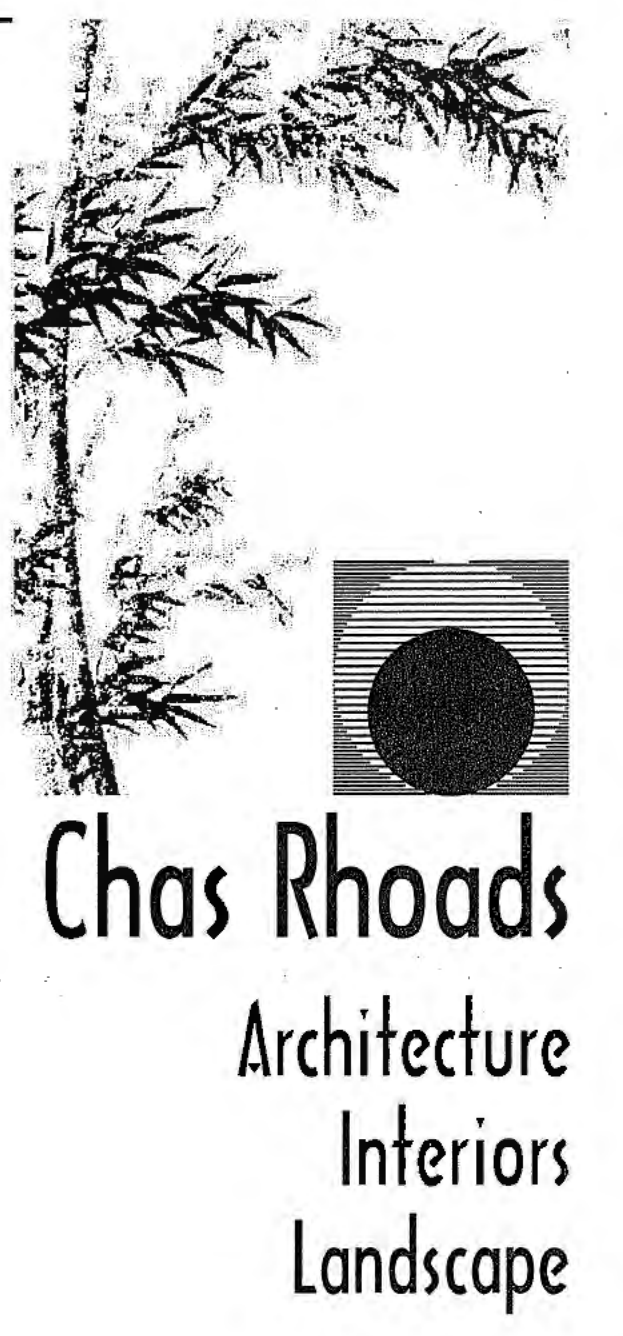


- NOTES (THIS DETAIL ONLY):**
- SUPPLY SIDE BOND JUMPER PER FEEDER SCHEDULE.
  - FULL SIZE GROUNDING ELECTRODE CONDUCTOR PER C.E.C., TABLE 250.66.
  - 5/8" DIA. X 10' ROD ELECTRODE PER C.E.C. 250.52 (A), (5) IN WELL. PER DETAIL #9 / E6.1
  - CONCRETE ENCASED ELECTRODE PER C.E.C. 250.52 (A), (2).

**LEGEND:**  
(G) DENOTES THE GROUND BUS OR BAR

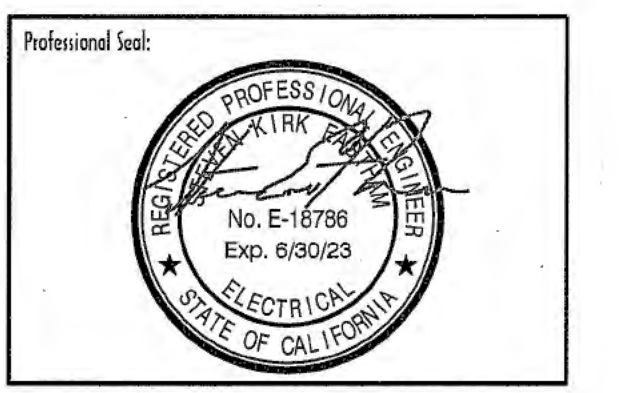
**GENERAL NOTE:**  
ALL MATERIALS AND METHODS USED IN GROUNDING AND BONDING SHALL COMPLY WITH C.E.C. ARTICLE 250.

3 GENERATOR GROUNDING AND BONDING



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Visalia, California 93292-6705

**Drawing Title:**  
Contract Document

**Revision Summary:**


**Project:**  
New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California

**Sheet Description:**  
ONE LINE DIAGRAM

**Date:** 01/12/24  
**Project:** 22-102  
**Scale:** AS NOTED  
**Sheet No.:** E5.1

Z:\Drawing\Jobs\2024\Tulare County Morgue Building - Interiors\1.dwg DATE PLOTTED: 01/12/24 JOB #: 22-102-SE

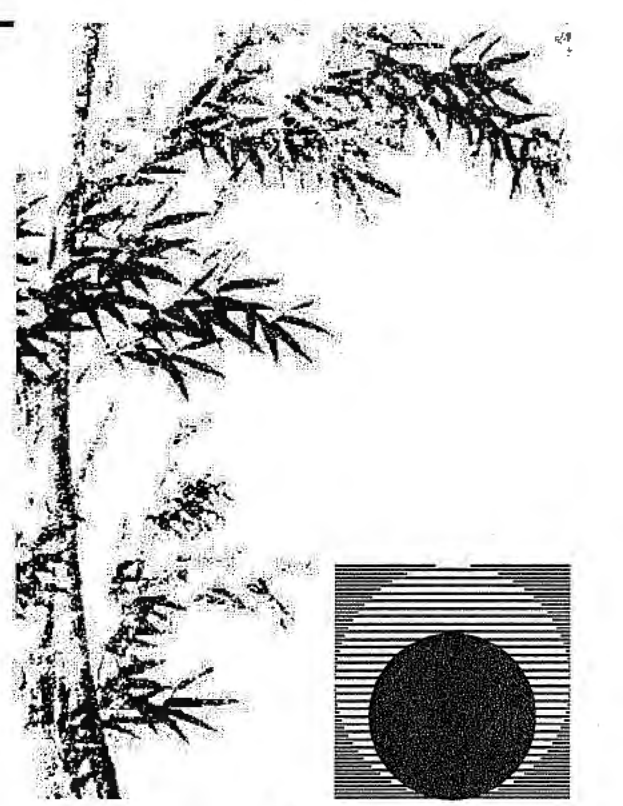
120/208V, 3 PH, 4 W 225 A. BUSSING MLO 42 CIRCUIT												10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH SURF MOUNTING		
PANEL "P1"														
C/O	C/B	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			C/B	C/O			
		A	B	C			C	B	A					
1	20/1	900			RECEPT - RM 23, 25, EF-4	RECEPT - RM 19,20			720	20/1	2			
3	20/1		720		RECEPT - RM 22	PATHOLOGY SINK		360		20/1	4			
5	20/1		1208		CADEVER LIFT STATION	PATHOLOGY DISPOSAL	180			20/1	6			
7	20/1	1080			RECEPT-RM 5,6,8,9,10,EF-3	RECEPT - RM 19 COUNTER		360		20/1	8			
9	20/1		540		RECEPT - RM 14	EXTRACTOR		1610		20/1	10			
11	20/1		720		RECEPT - RM 1,2	DRYER	2520			30/2	12			
13	20/1	900			RECEPT - RM 1			2520			14			
15	20/1		1080		RECEPT - RM 2, 3, 5	RECEPT - RM 19		180		20/1	16			
17	20/1		900		RECEPT - RM 3, 4	FIRE ALARM	200			20/1	18			
19	20/1	900			RECEPT - RM 3, 4	GEN. BATTERY CHARGER		500		20/1	20			
21	20/1				SPARE	GENERATOR HEATER		500		20/1	22			
23	20/1		540		RECEPT - RM 15	MICROWAVE	1000			20/1	24			
25	20/1	1080			RECEPT - RM 4, 12	RECEPT - RM 15		360		20/1	26			
27	20/1		1280		FLOOR RECEPT - RM 3, 4	RECEPT - REFRIG.		1000		20/1	28			
29	20/1		720		RECEPT - RM 4	DOOR ALARM	540			20/1	30			
31	20/1	540			RECEPT - RM 15, 17, 18	DOOR ALARM		360		20/1	32			
33	20/1		900		RECEPT - RM 15	RECEPT - RM 3		1080		20/1	34			
35	20/1		1080		RECEPT - RM 14,16,EF-2	RECEPT - RM 4	1080			20/1	36			
37	20/1	900			RECEPT - RM 17	SPARE				20/1	38			
39	20/1		1080		RECEPT - RM 17	UPS / PANEL "UPS"		1080		100/2	40			
41	20/1		900		RECEPT - RM 17		1080				42			
LOAD SUMMARY		A	B	C	TOTAL CALCULATED									
CONNECTED LOAD (VA):		11120	11390	12668	LOAD FOR PANEL:		35176 VA							
25% LCL/LML (VA):		0	0	0										
TOTAL LOAD (VA):		11120	11390	12668										
TOTAL LOAD (AMPS):		92.7	94.9	105.6										

120/208V, 3 PH, 4 W 225 A. BUSSING MLO 42 CIRCUIT												10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH SURF MOUNTING		
PANEL "P2"														
C/O	C/B	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			C/B	C/O			
		A	B	C			C	B	A					
1	30/2	2415			BODY DECOMPOSITION	LIGHTS - WEST			816	20/1	2			
3		2415			REFRIGERATOR	LIGHTS - EAST		1354		20/1	4			
5	20/2		1880		PRESSURE WASHER	LIGHTS - NORTH	741			20/1	6			
7		1680				LIGHTS - EXTERIOR		307		20/1	8			
9	20/1				SPARE	LIGHTS - W.I.R.		1000		20/1	10			
11	20/1				SPARE	SPARE				20/1	12			
13	20/1	360			EMBALM UNIT 1	SPARE				20/1	14			
15	20/1		1920		EMBALM UNIT 1 - DISPOSAL	SPARE				20/1	16			
17	20/1				SPARE	SPARE				20/1	18			
19	20/1				SPARE	SPARE				20/1	20			
21	20/1	360			EMBALM UNIT 2	SPARE				20/1	22			
23	20/1		1920		EMBALM UNIT 2 - DISPOSAL	SPARE				20/1	24			
25	20/1				SPARE	SPARE				20/1	26			
27	20/1				SPARE	SPARE				20/1	28			
29	20/1				SPARE	SPARE				20/1	30			
31	20/1				SPARE	SPACE					32			
33	20/1				SPARE	SPACE					34			
35	20/1				SPARE	SPACE					36			
37	20/1				SPARE	SPACE					38			
39	20/1				SPARE	SPACE					40			
41	20/1				SPARE	SPACE					42			
LOAD SUMMARY		A	B	C	TOTAL CALCULATED									
CONNECTED LOAD (VA):		5578	7049	4341	LOAD FOR PANEL:		18023 VA							
25% LCL/LML (VA):		281	589	185										
TOTAL LOAD (VA):		5859	7638	4526										
TOTAL LOAD (AMPS):		48.8	63.6	37.7										

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120/208V, 3 PH, 4 W 400 A. BUSSING MLO 42 CIRCUIT												10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH SURF MOUNTING		
PANEL "M1"														
C/O	C/B	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			C/B	C/O			
		A	B	C			C	B	A					
1	40/3	3552			AC-1, PE-1	HPC-1			946	20/2	2			
3		3552							946		4			
5				3552					1331		6			
7	35/3	3048			AC-2, PE-2	HPC-2			1331		8			
9		3048				DS-1: ODU-1, IDU-1			1716		10			
11				3048					1716		12			
13	90/3	8160			AC-3	DS-2: ODU-2, IDU-2			2059	25/2	14			
15		8160							2059		16			
17				8160		EF-6			288		18			
19	20/1				SPARE				288		20			
21	20/1	1200			ROLL UP DOOR				288		22			
23	20/3			900	EF-5	WATER HEATER	600			20/1	24			
25		900				CIRCULATING PUMP			100	20/1	26			
27				900		UNIT COOLER 1			720		28			
29	20/1			528	EF-1	UNIT COOLER 2	720			15/1	30			
31		793			BP-1	WIR CU1			3840	50/3	32			
33	20/3			793					3840		34			
35				793					3840		36			
37		793			BP-2	WIR CU2			3840	50/3	38			
39	20/3			793					3840		40			
41				793					3840		42			
LOAD SUMMARY		A	B	C	TOTAL CALCULATED									
CONNECTED LOAD (VA):		29650	31655	30109	LOAD FOR PANEL:		95178 VA							
25% LCL/LML (VA):		2040	762	762										
TOTAL LOAD (VA):		31690	32617	30871										
TOTAL LOAD (AMPS):		264.1	271.8	257.3										

120/208V, 1 PH, 3 W 100 A. BUSSING 100 A. MAIN BKR. 30 CIRCUIT												10K BREAKER A.I.C. 5 3/4" MAX. ENCL. DEPTH SURF MOUNTING		
PANEL "UPS"														
C/O	C/B	LOAD: V.A.			DESCRIPTION	DESCRIPTION	LOAD: V.A.			C/B	C/O			
		A	B	C			C	B	A					
1	20/1	360			RECEPT - RM 11	ACCESS CONTROL DOORS			150	20/1	2			
3	20/1		360		RECEPT - RM 11	ACCESS CONTROL DOORS			100	20/1	4			
5	20/1	360			RECEPT - RM 11	ACCESS CONTROL DOORS			50	20/1	6			
7	20/1		360		RECEPT - RM 11	SPARE				20/1	8			
9	20/1	360			RECEPT - RM 11	SPARE				20/1	10			
11	20/1		360		RECEPT - RM 11	SPARE				20/1	12			
13	20/1				SPARE	SPARE				20/1	14			
15	20/1				SPARE	SPARE				20/1	16			
17	20/1				SPARE	SPARE				20/1	18			
19	20/1				SPARE	SPARE				20/1	20			
21	20/1				SPARE	SPARE				20/1	22			
23	20/1				SPARE	SPARE				20/1	24			
25	20/1				SPARE	SPARE				20/1	26			
27	20/1				SPARE	SPARE				20/1	28			
29	20/1				SPARE	SPARE				20/1	30			
LOAD SUMMARY		A	B	TOTAL CALCULATED										
CONNECTED LOAD (VA):		1280	1180	LOAD FOR PANEL:		2460 VA								
25% LCL/LML (VA):		0	0											
TOTAL LOAD (VA):		1280	1180											
TOTAL LOAD (AMPS):		10.7	9.8											



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Professional Seal:  
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Visalia, California 93292-6705

Drawing Status:  
**Contract Document**

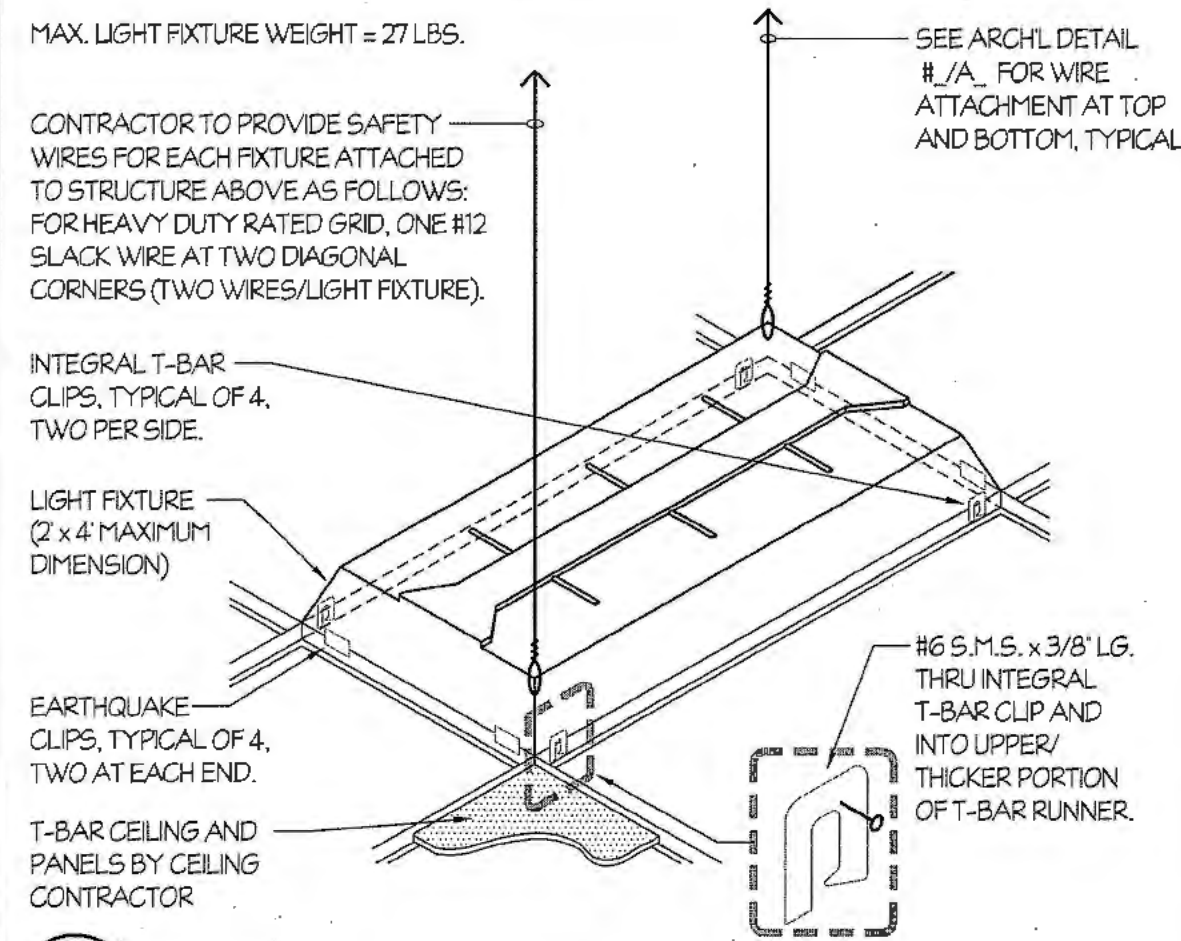
Revision Summary:

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

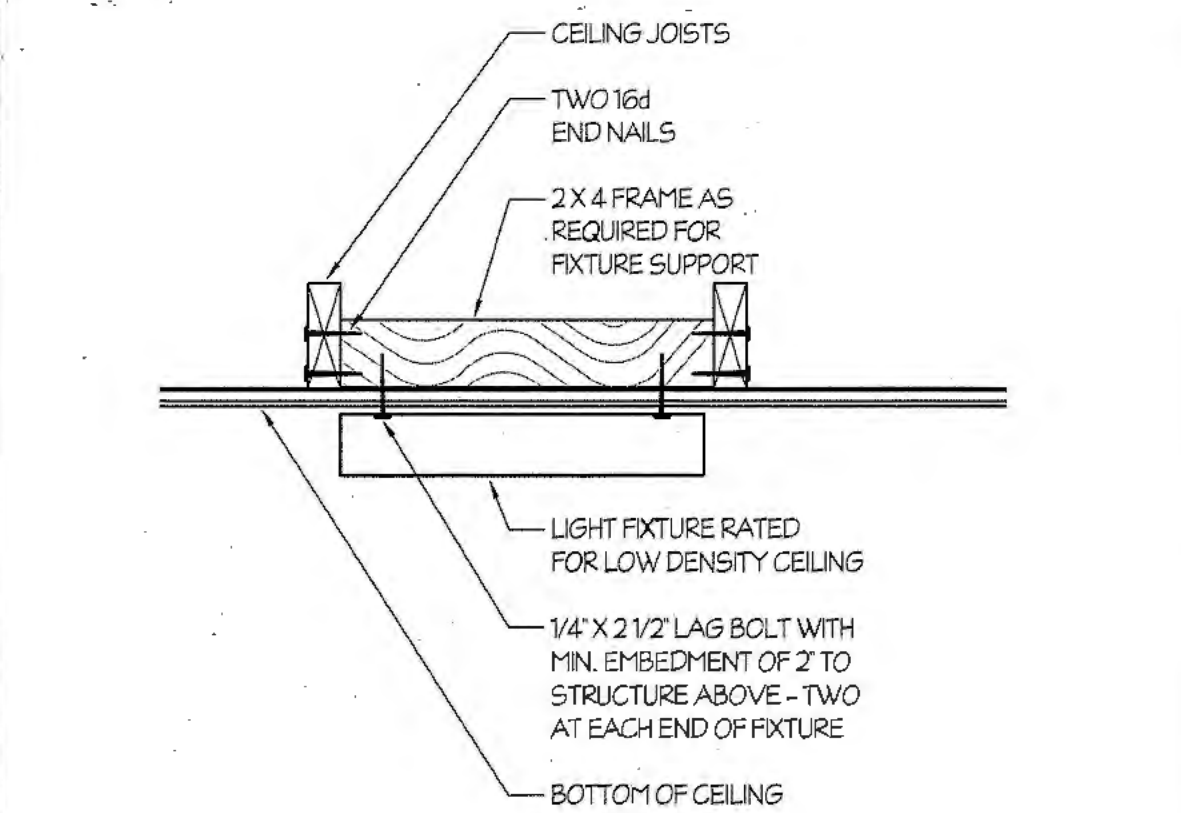
Sheet Description:  
**PANEL SCHEDULES**

Date: 01/12/24  
Project: 22-102  
Scale: AS NOTED  
Sheet No.: **E5.2**

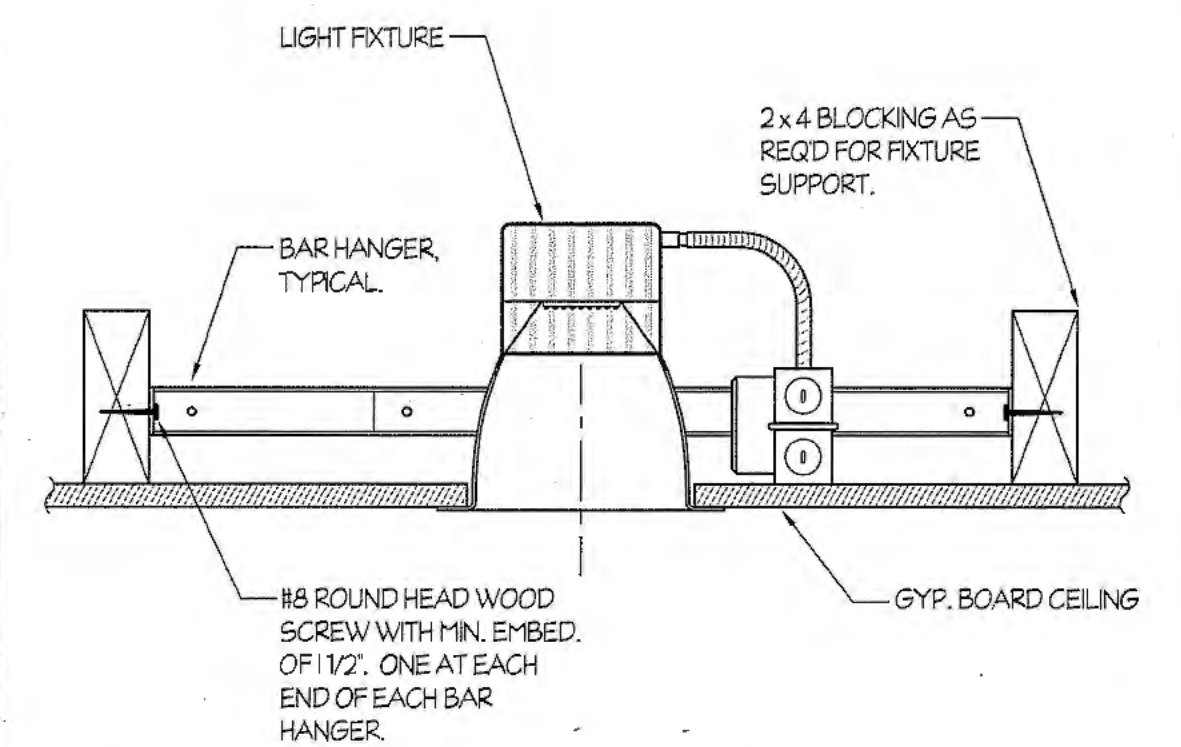
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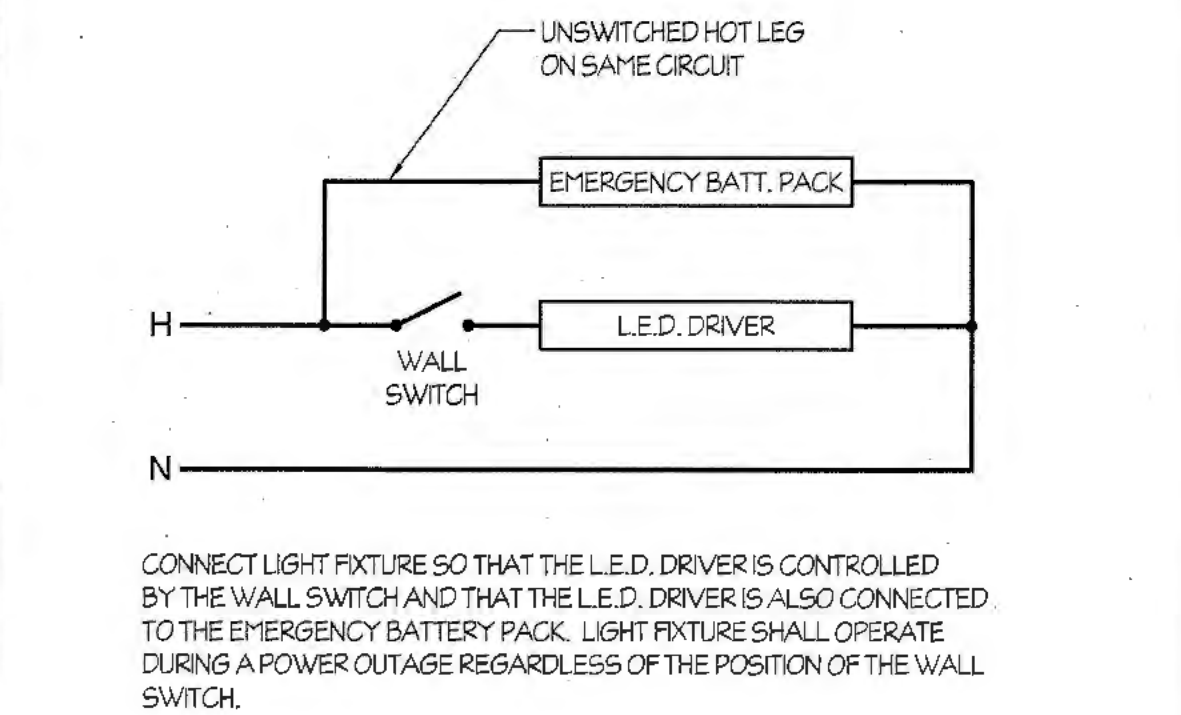
1 SURFACE FIXTURE MOUNTING NTS



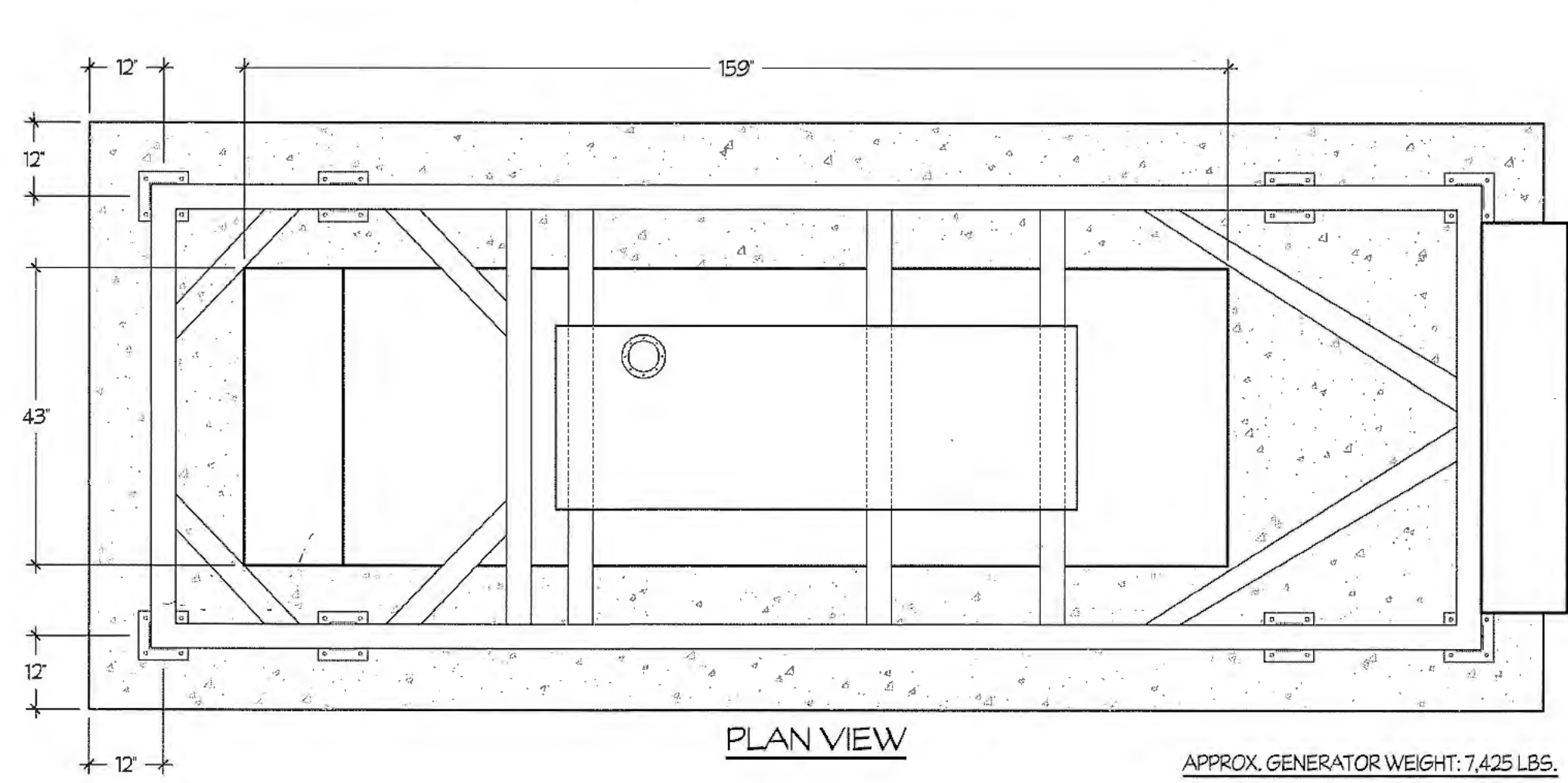
2 SURFACE FIXTURE MOUNTING NTS



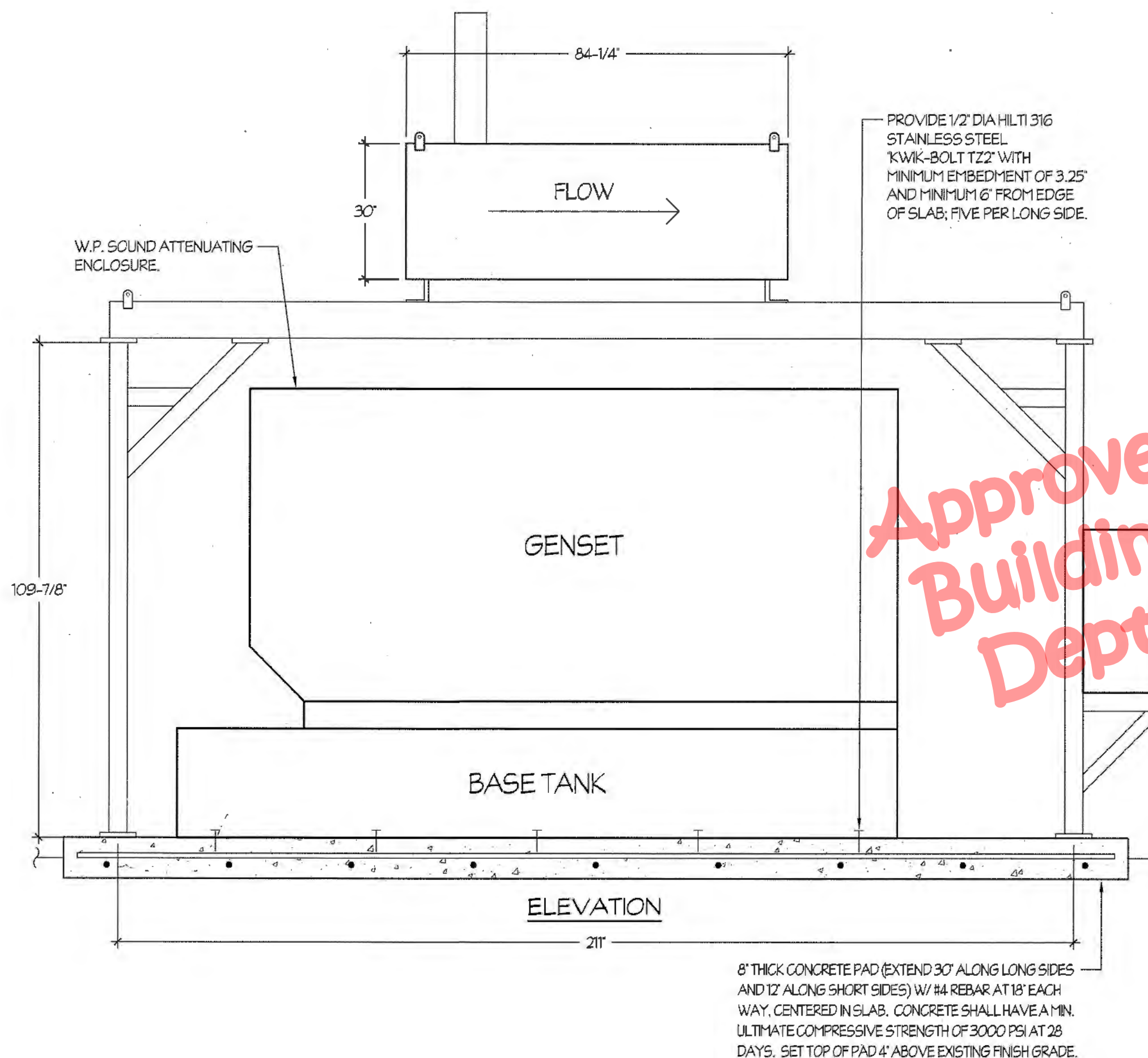
3 RECESSED DOWNLIGHT MOUNTING NTS



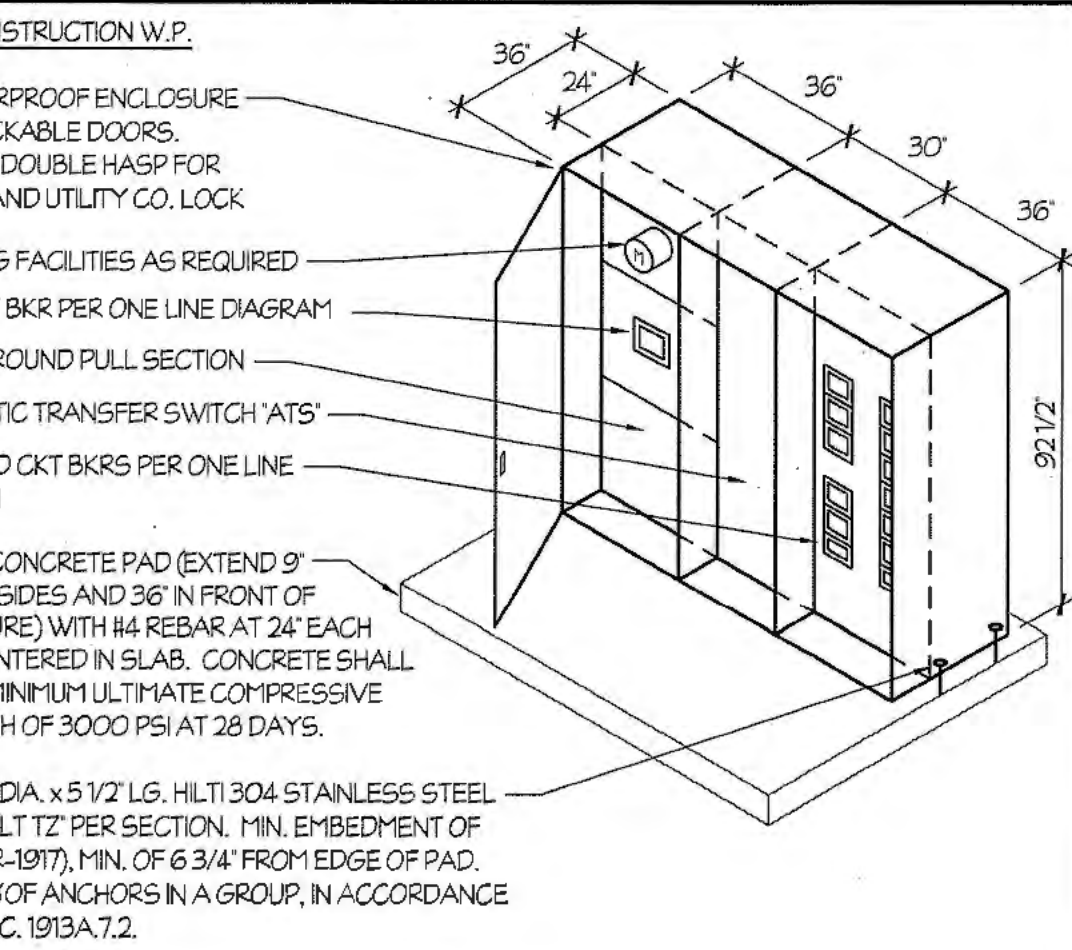
4 EMERGENCY BATTERY PACK WIRING DIAGRAM NTS



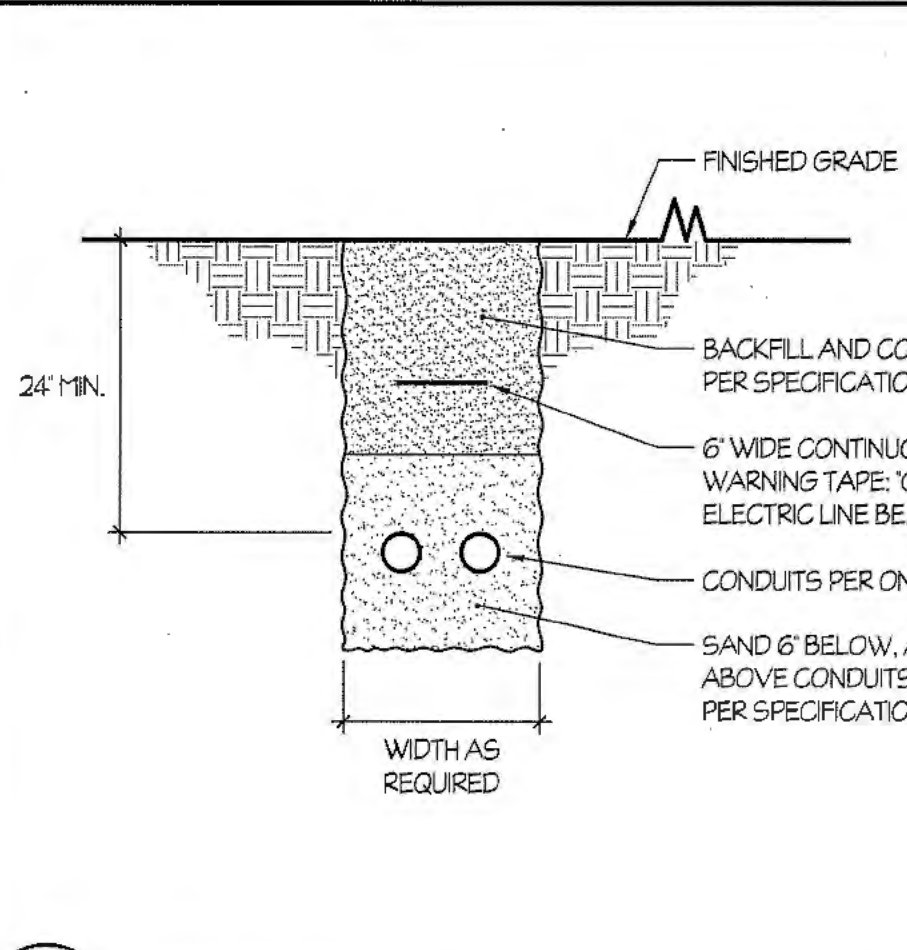
5 NEW GEN-SET AND FOUNDATION NTS



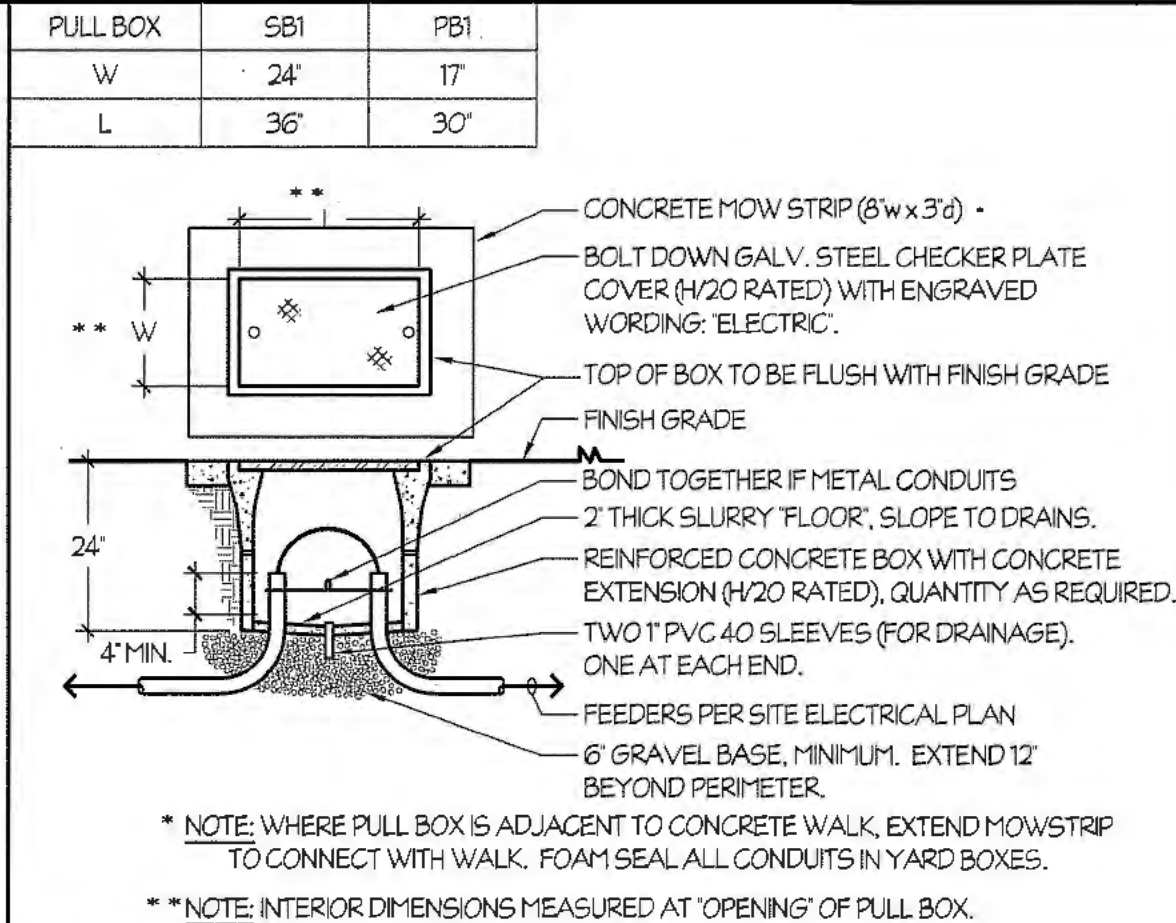
5 NEW GEN-SET AND FOUNDATION NTS



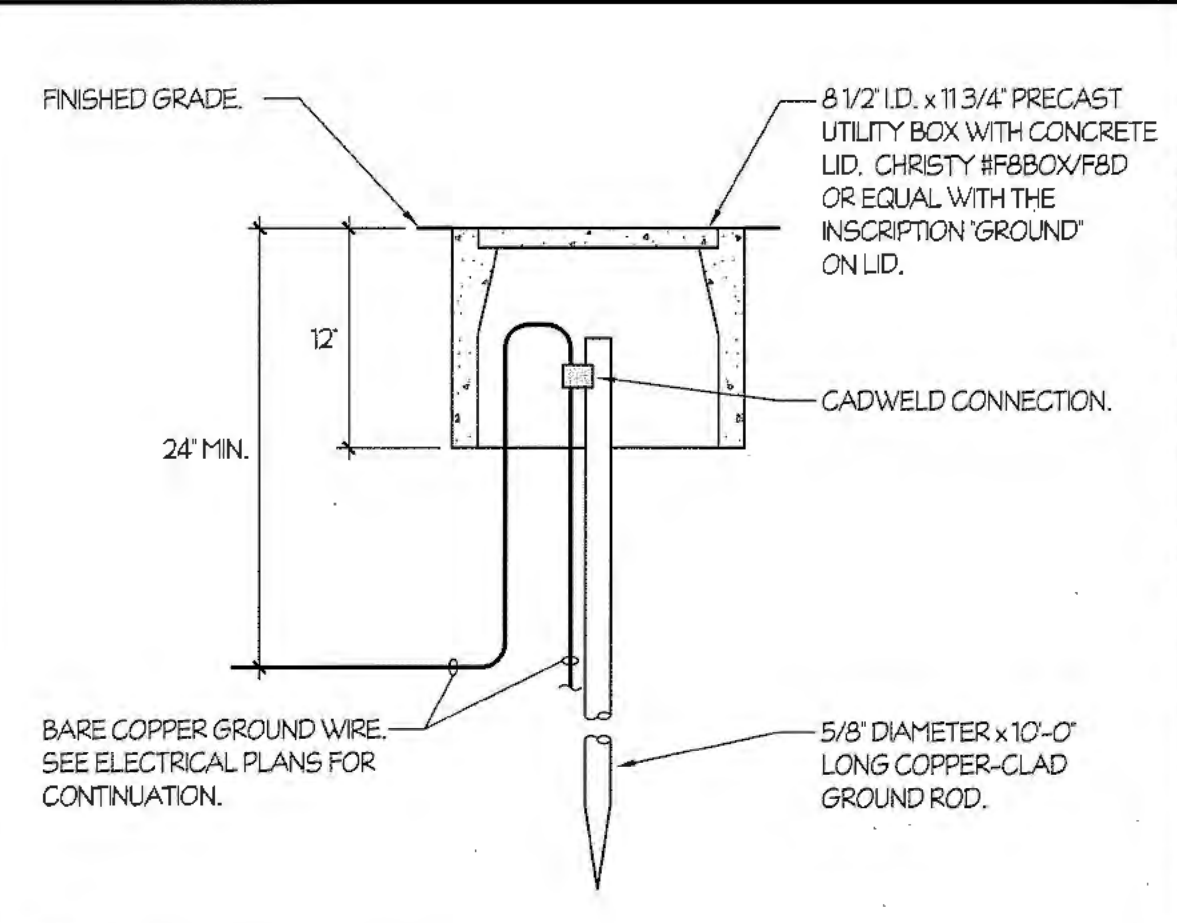
6 MAIN SWITCHBOARD MSB NTS



7 TRENCH DETAIL NTS



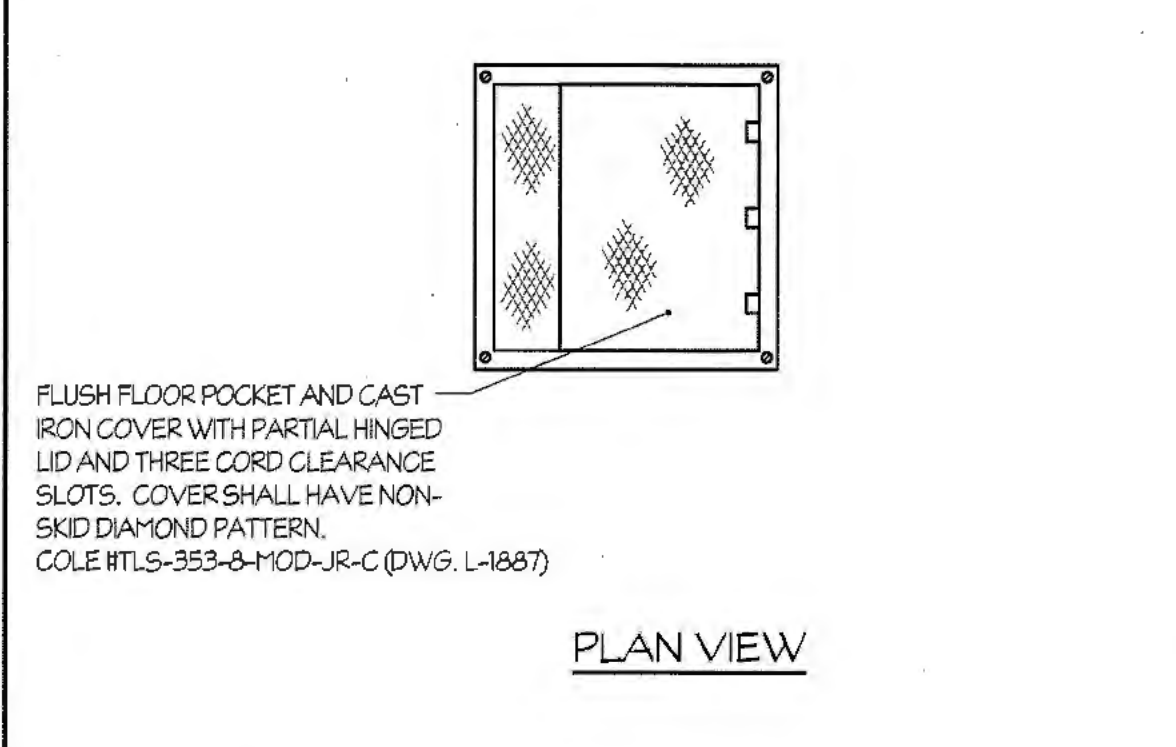
8 POWER PULL BOX NTS



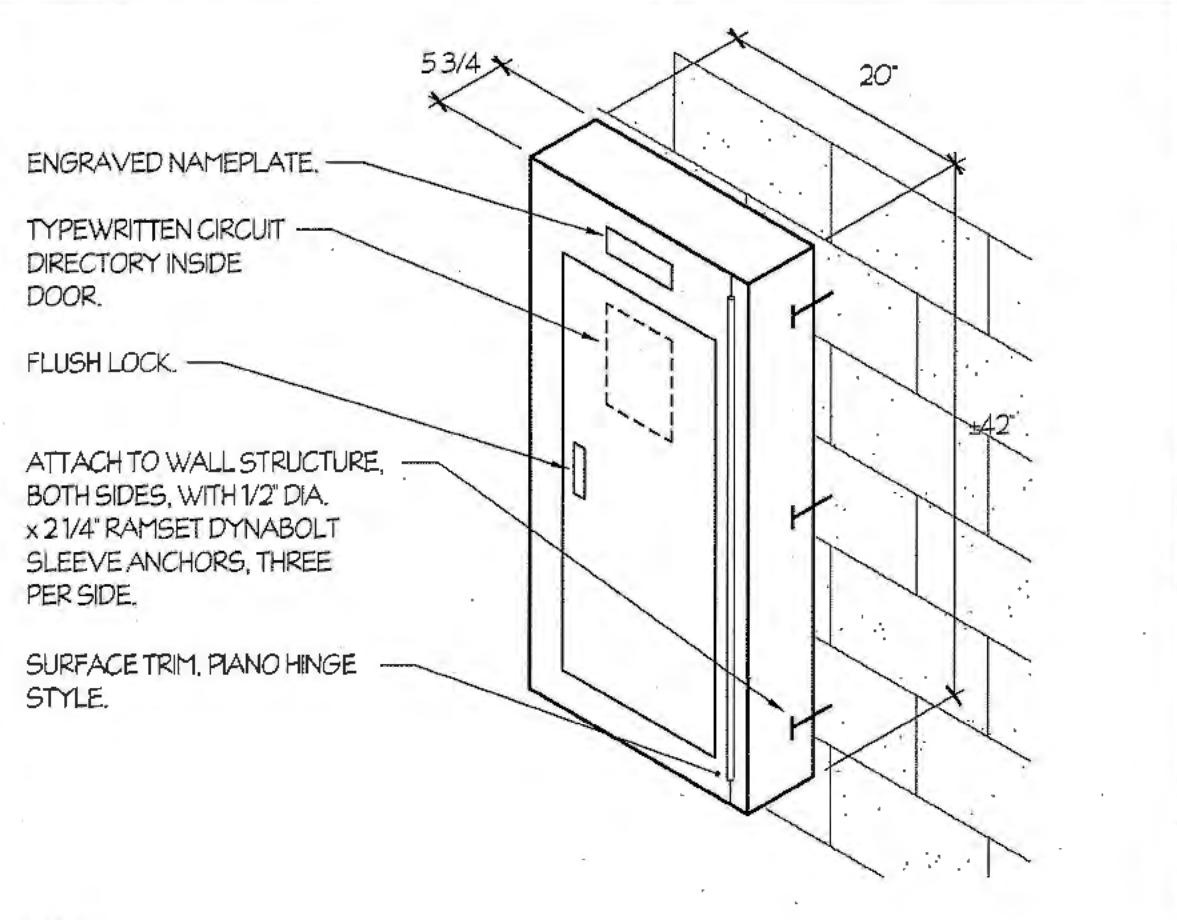
9 GROUND ROD WELL NTS



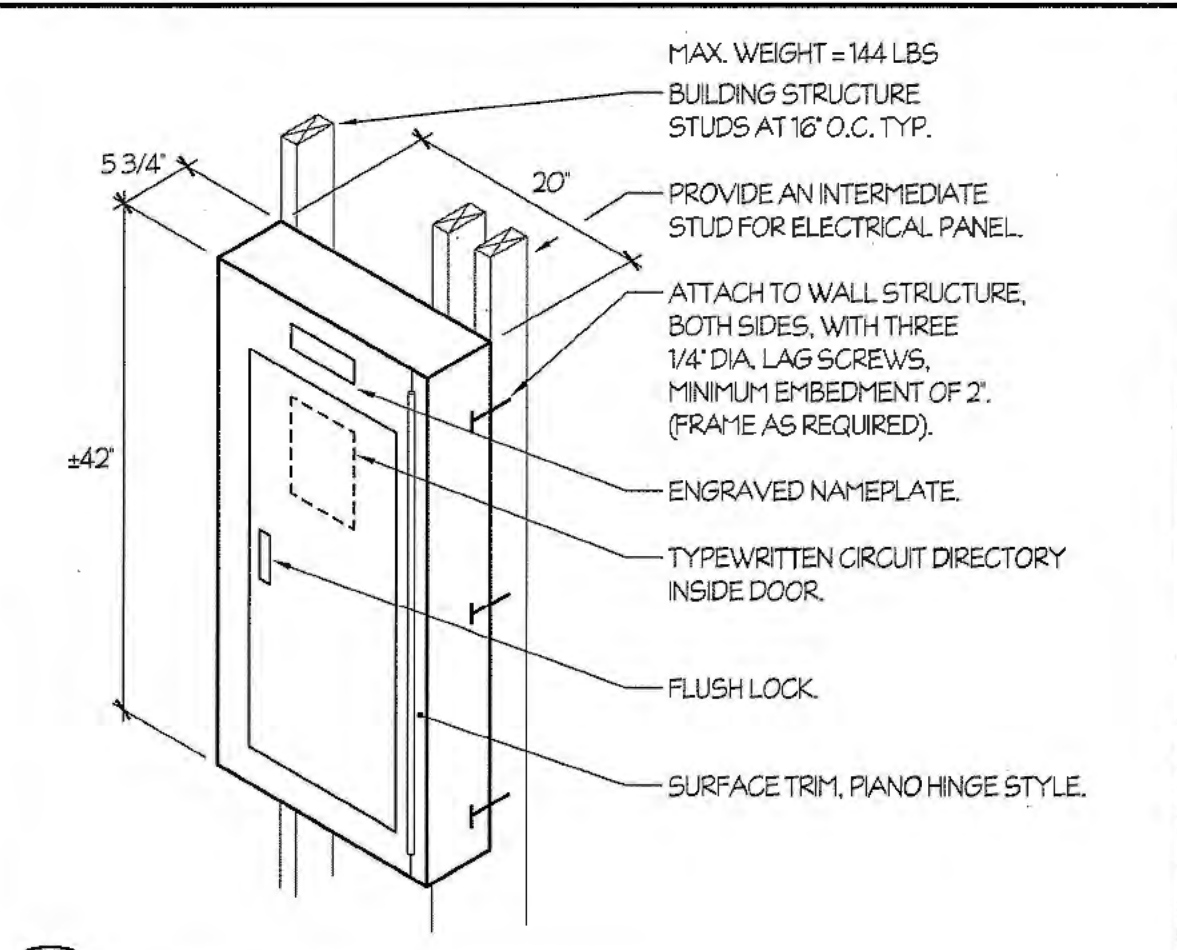
10 RESERVED NTS



11 FLOOR BOX MOUNTING DETAIL NTS

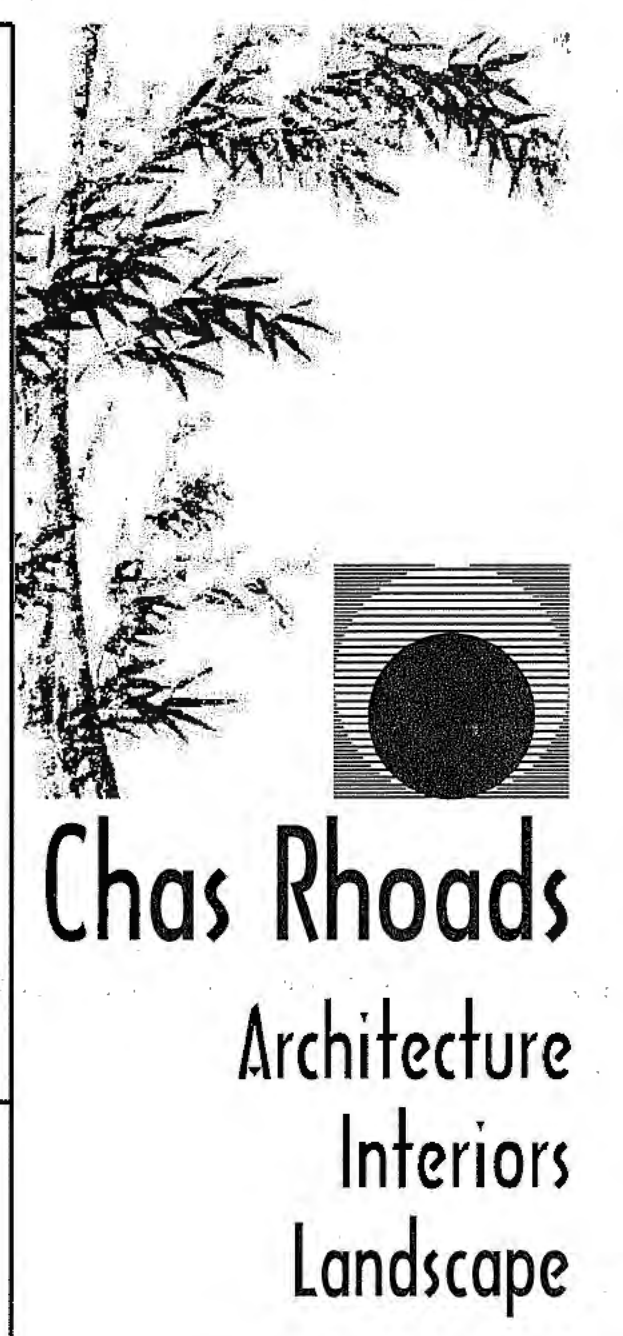


12 SURFACE MOUNTED PANEL NTS



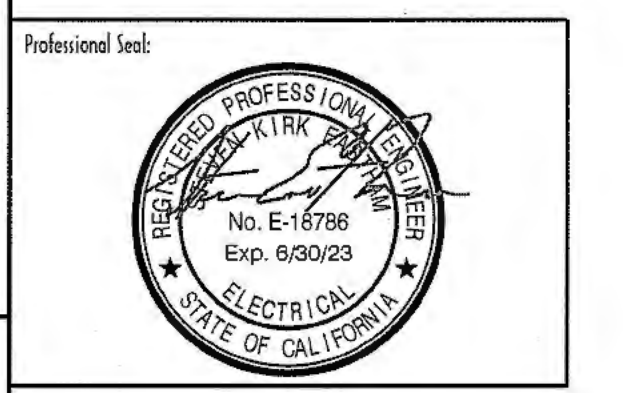
13 SURFACE MOUNTED PANEL NTS

Approved Building Dept.



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Drawing Status:  
**Contract Document**

Revision Summary:

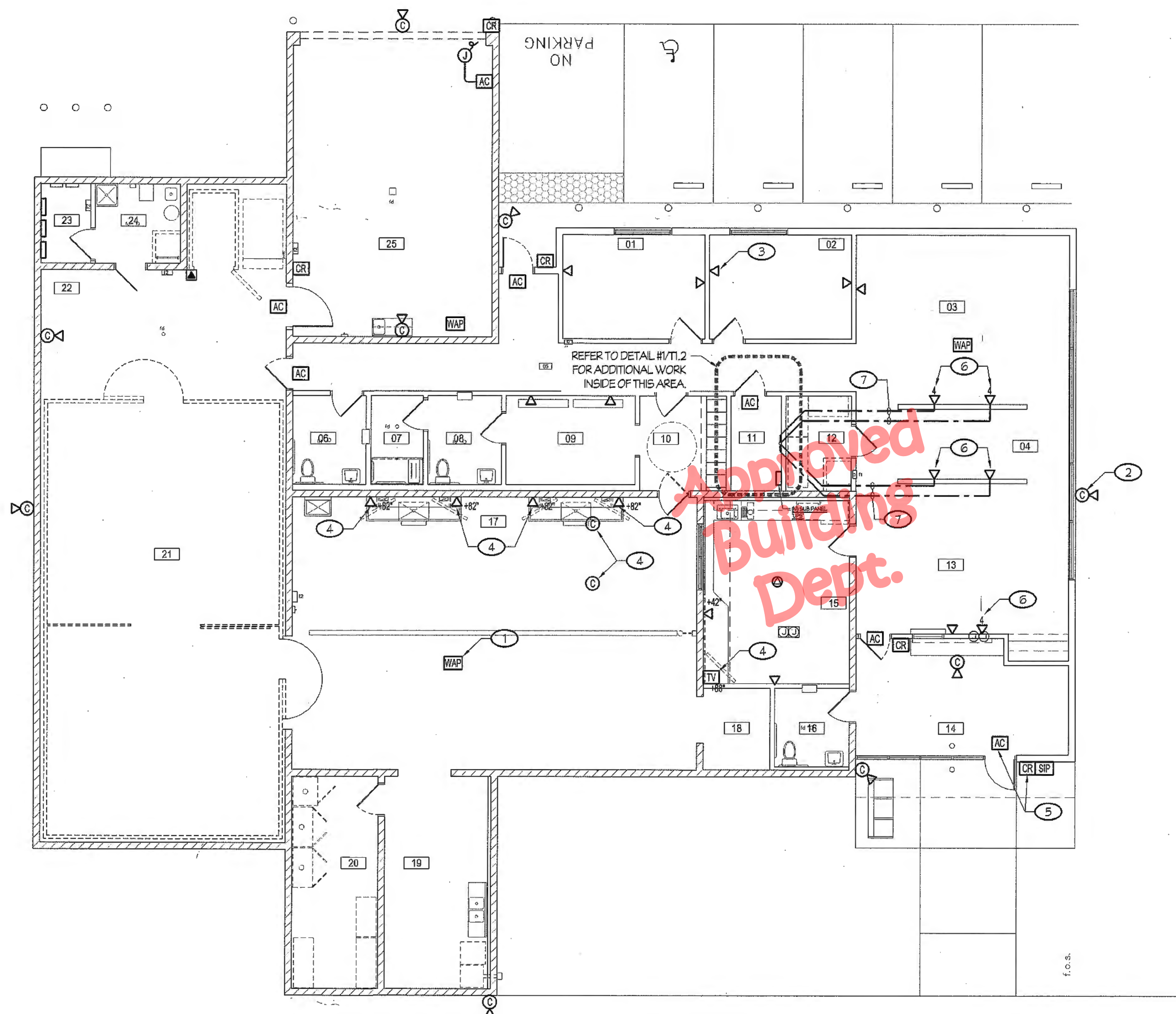
Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:  
**DETAILS**

Date: 01/12/24  
Project: 22-102  
Scale: AS NOTED  
Sheet No.: **E6.1**

of # Sheets

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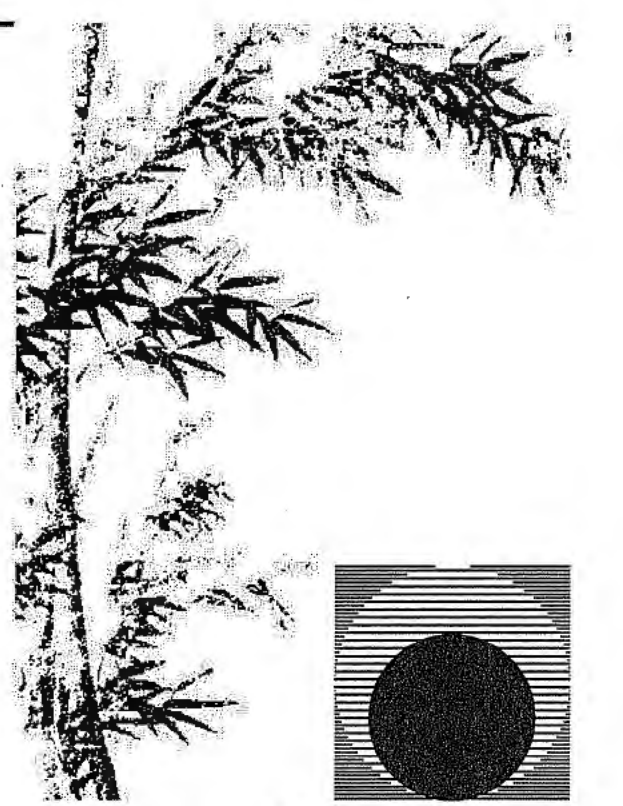


**NOTES (THIS SHEET ONLY):**

- ① (TYP.) CEILING MOUNTED WIRELESS AP. PROVIDE TWO CAT6 CABLES AND JACKS IN SURFACE BOX ABOVE GRID. LABEL GRID LOCATION AND OUTLET NUMBER ON GRID TEE.
- ② (TYP.) CAMERA OUTLET. PROVIDE TWO CAT6 CABLES AND JACKS IN TWO PORT SINGLE GANG PLATE. OUTLET BOX SHALL BE 4 1/16 SQR TYPE 2 1/8" DEEP, 3/0 FIXTURE TRIM RING, ONE TO ACCESSIBLE SPACE. PROVIDE BLANK COVER.
- ③ (TYP.) DATA OUTLET. PROVIDE THREE CAT6 CABLES AND JACKS, IN TWO PORT SINGLE GANG PLATE. OUTLET BOX SHALL BE 4 1/16 SQR TYPE 2 7/8" DEEP, 1/2 TRIM RING, ONE 1 1/4" TO ACCESSIBLE SPACE. DELTA # DENOTES NUMBER OF CABLES. MOUNT 18" A.F.F., UNLESS OTHERWISE NOTED.
- ④ REFER TO SHEET #EQ2 FOR ADDITIONAL VIDEO SCOPE OF WORK.
- ⑤ (TYP.) ACCESS CONTROL DOOR. REFER TO SHEET A6.2 FOR ACCESS CONTROL REQUIREMENTS. TYPICAL AT DOORS WITH ACCESS CONTROL AS MARKED.
- ⑥ EXTEND DATA OUTLETS INTO OWNERS FURNITURE SYSTEM AND CONNECT AS REQUIRED.
- ⑦ PROVIDE 1-1/4" CONDUIT UNDERGROUND FROM DATA RACK TO DATA OUTLET FOR ROUTING OF CABLES AS REQUIRED.

**GENERAL NOTES (THIS SHEET ONLY):**

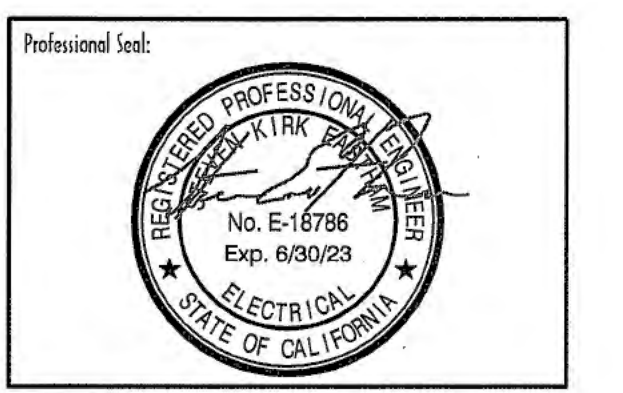
1. REFER TO ARCHITECTURAL SHEET EQ-2 FOR ADDITIONAL REQUIREMENTS FOR LOW VOLTAGE SYSTEMS.



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Consultant:  
**Rose Sing Eastham & Associates**  
 Electrical Consultants  
 131 S. Dunworth - (559)733-2671  
 Visalia, California 93292-6705

**ROOM NAME KEY LIST**

#	ROOM NAME
01	OFFICE 1
02	OFFICE 2
03	DETECTIVE BULLPEN
04	TECH BULLPEN
05	CORRIDOR
06	UNISEX 1
07	UNISEX SHOWER
08	UNISEX 2
09	PREP ROOM
10	LOCKER ROOM
11	I.T. CLOSET
12	STORAGE
13	OPEN OFFICE
14	LOBBY
15	MEETING ROOM
16	UNISEX 3
17	AUTOPSY
18	X-RAY STORAGE
19	HISTOLOGY
20	EVIDENCE STORAGE
21	WALK-IN REFRIGERATOR
22	INTAKE
23	PANEL ROOM
24	MECHANICAL
25	SALLY PORT

Drawing Status:  
**Contract Document**

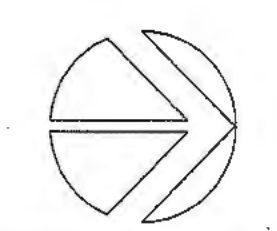
Revision Summary:

Project:  
**New Morgue Building**  
**Tulare County Sheriff**  
**South "O" Street**  
**Tulare, California**

Sheet Description:  
**SIGNALS PLAN**

Date: 01/12/24  
 Project: 22-102  
 Scale: AS NOTED  
 Sheet No.: **11.1**  
 of # Sheets

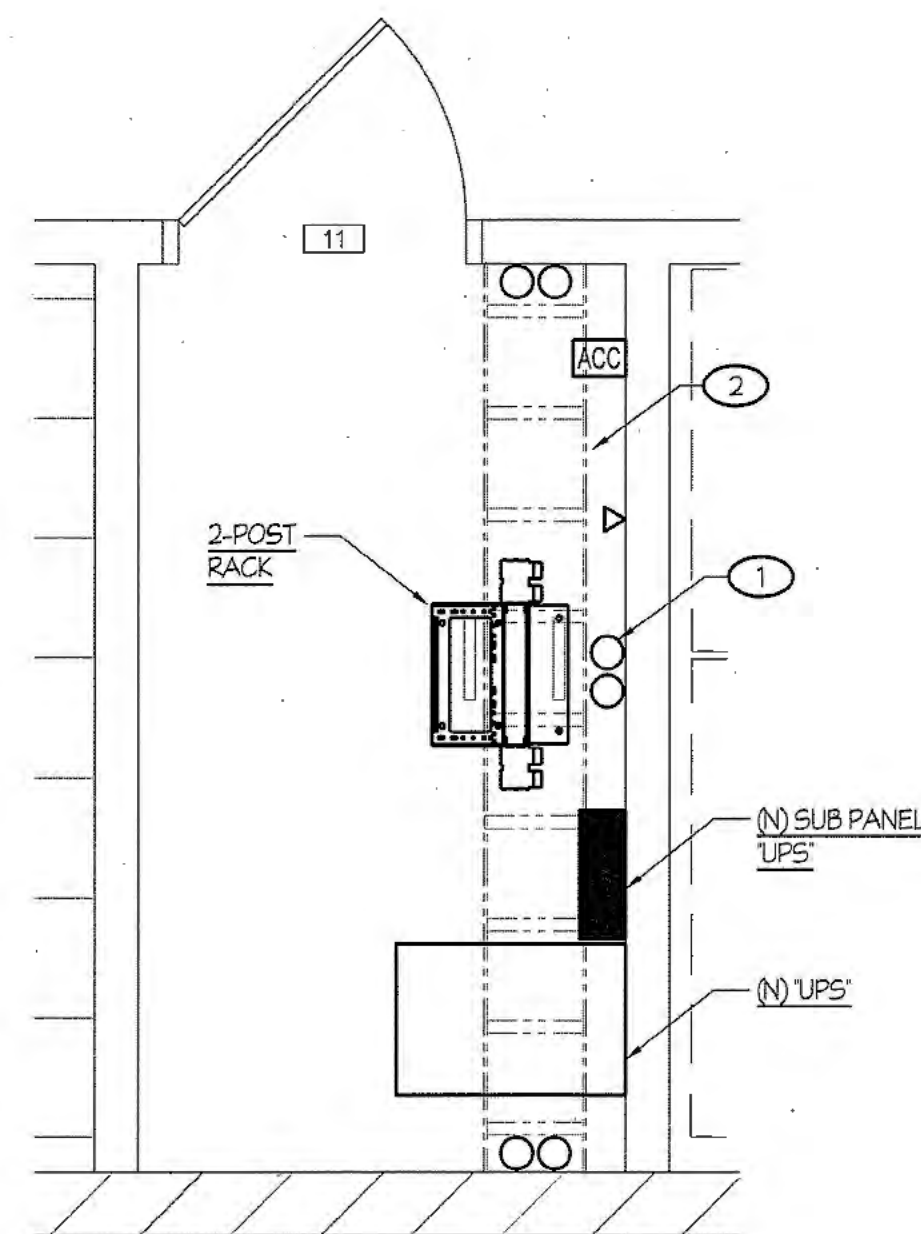
SIGNALS plan



scale: 1/8" = 1'-0"

**NOTES (THIS SHEET ONLY):**

- ① TWO 4" C FOR FIBER FROM SO CPU BUILDING.
- ② OVERHEAD LADDER RACK, PER TULARE COUNTY STANDARDS.

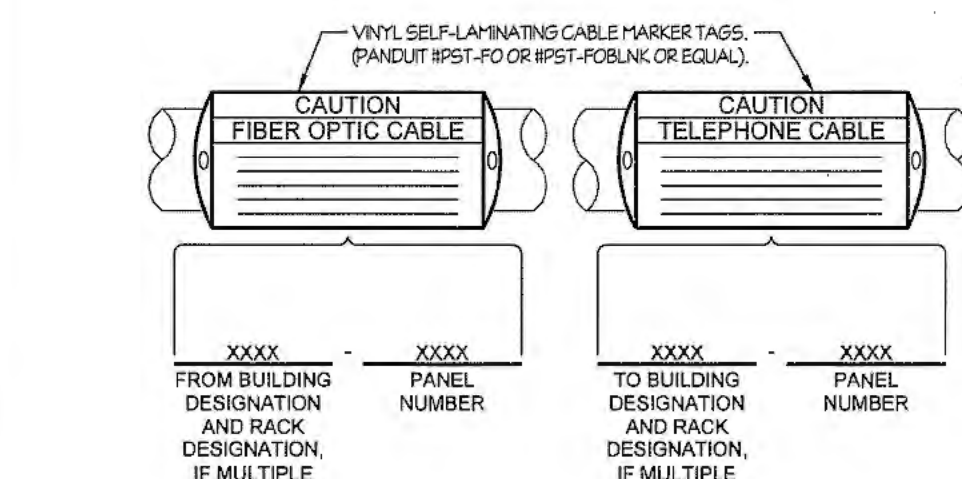


① ROOM 11 - ENLARGED IT ROOM LAYOUT

SCALE: 1/2"=1'-0"

④ CABLE IDENTIFICATION TAGS

NTS



⑤ CABLE IDENTIFICATION TAGS

NTS

**ELECTRICAL CODES AND ANCHORAGE**

REFER TO ELECTRICAL TITLE SHEET E0.1 FOR STANDARD CODE INFORMATION DETAIL.  
REFER TO ELECTRICAL TITLE SHEET E0.1 FOR STANDARD ANCHORAGE DETAILS.

**SIGNALS / TELECOMMUNICATIONS APPLICABLE CODES AND STANDARDS**

- CODES:**
- 2022 CALIFORNIA BUILDING CODE (C.B.C.) (2021 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2 WITH 2019 CALIFORNIA AMENDMENTS) ASSISTIVE LISTENING SYSTEMS SECTIONS 11B.219 & 11B.706
  - 2022 CALIFORNIA ELECTRICAL CODE (C.E.C.) (2020 NATIONAL ELECTRICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)
- STANDARDS AND GUIDES:**
- NFPA 72 - NATIONAL FIRE ALARM CODE, 2022 EDITION (CALIFORNIA AMENDED)
  - ADAAG - AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES ASSISTIVE LISTENING SYSTEMS SECTION 706
  - ANSI/BICSI - TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM), 13TH EDITION OR NEWER.
  - ANSI/BICSI 001-2017 - INFORMATION AND COMMUNICATION TECHNOLOGY SYSTEMS DESIGN AND IMPLEMENTATIONS BEST PRACTICES FOR EDUCATIONAL INSTITUTIONS AND FACILITIES.
  - ANSI/BICSI 005-2016 - ELECTRONIC SAFETY AND SECURITY (ESS) SYSTEM DESIGN AND IMPLEMENTATIONS BEST PRACTICES.

**ASSISTIVE LISTENING SYSTEMS**

PROVIDE ASSISTIVE LISTENING AS REQUIRED BY CBC SECTIONS 11B.219 & 11B.706 AND ADA 706. REFER TO SYSTEM SPECIFICATIONS 27.9120 FOR CLASSROOMS SYSTEMS. REFER TO DETAIL DRAWINGS FOR INSTALLED SOLUTIONS. CLASSROOM SYSTEMS ARE TO BE PORTABLE BRIEFCASE STYLE FOR USE WHEN REQUESTED BY USERS.

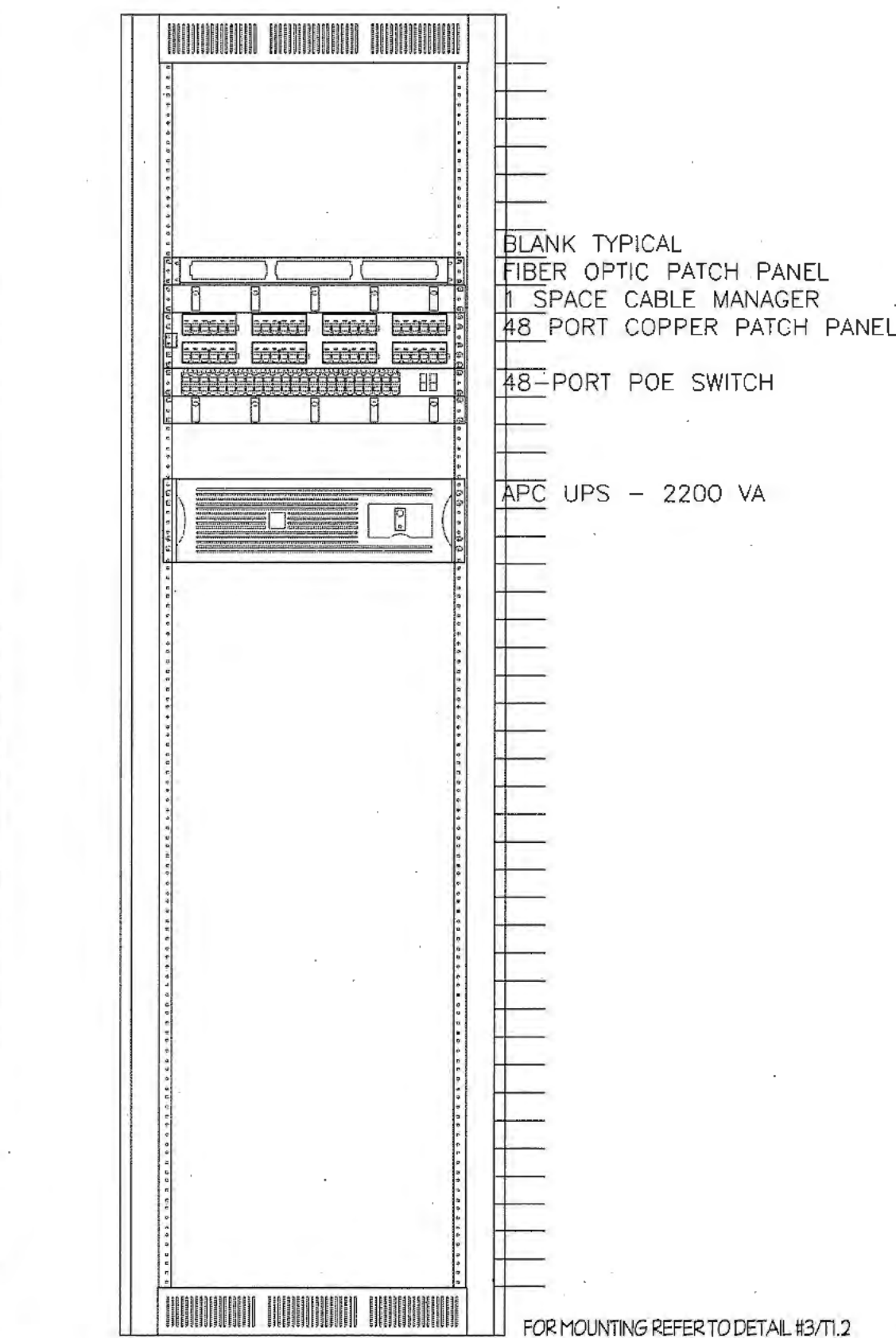
**SIGNALS SYMBOLS**

ALL DIMENSIONS TO CENTER OF BOX U.O.N.

①	ELECTRICAL KEYNOTE #1, REFER TO NOTES ON SAME SHEET.
U.O.N.	UNLESS OTHERWISE NOTED
W.P.	WEATHERPROOF
W.G.	WIRE GAIRD
TC	TERMINAL CABINET (SIZE AS SHOWN)
WC	CONDUIT RUN IN WALL OR ATTIC
FC	CONDUIT RUN IN FLOOR OR UG
SC	SMOKE/FIRE CABLE SLEEVE THRU WALL
CS	CONDUIT STUB - CAPPED AND LABELED.
HC	HOMERUN CONDUIT TO NEAREST CROSS CONNECT OR SOUND EQUIPMENT RACK
CSL	CONDUIT SLEEVE
(A)	DATA OUTLET IN WALL (48" U.O.N.) (2 CAT6 CABLES U.O.N.)
(A), (D)	DATA OUTLET IN CEILING WIRELESS ACCESS POINT
(E)	TELEVISION OUTLET, MOUNTED IN WALL (48" U.O.N.)
(A)	IP CAMERA TWO CAT6 CABLES, DEVICE BY OWNER
(C)	INTRUSION ALARM KEY PAD (48" U.O.N.)
(C)	INTRUSION ALARM DOOR CONTACT IN DOOR FRAMING
(C)	INTRUSION ALARM MOTION SENSOR/MONITORING DEVICE
(MC)	MC/AC LOCATION
(CC)	ACCESS CONTROL CABINET LOCATION
(AC)	ACCESS CONTROLLED DOOR/ENTRANCE
(E)	AV INPUT/OUTLET
(SEC)	INTRUSION ALARM SYSTEM - SONITROL
(DS)	ACCESS CONTROL DOOR STRIKE - ROUGH-IN FOR FUTURE
(CR)	ACCESS CONTROL CARD READER - ROUGH-IN FOR FUTURE
(DC)	ACCESS CONTROL DOOR CONTACT - ROUGH-IN FOR FUTURE
(REX)	ACCESS CONTROL REQUEST TO EXIT - ROUGH-IN FOR FUTURE
(IP)	IP VAPE SENSOR TWO CAT6 CABLES, DEVICE BY OWNER
(E)	INTERCOM SPEAKER / MICROPHONE
(E)	LOCAL HDMI INPUT-A OUTLET, MOUNTED IN WALL (48" U.O.N.)
(E)	LOCAL HDMI INPUT-B OUTLET, MOUNTED IN WALL (48" U.O.N.)

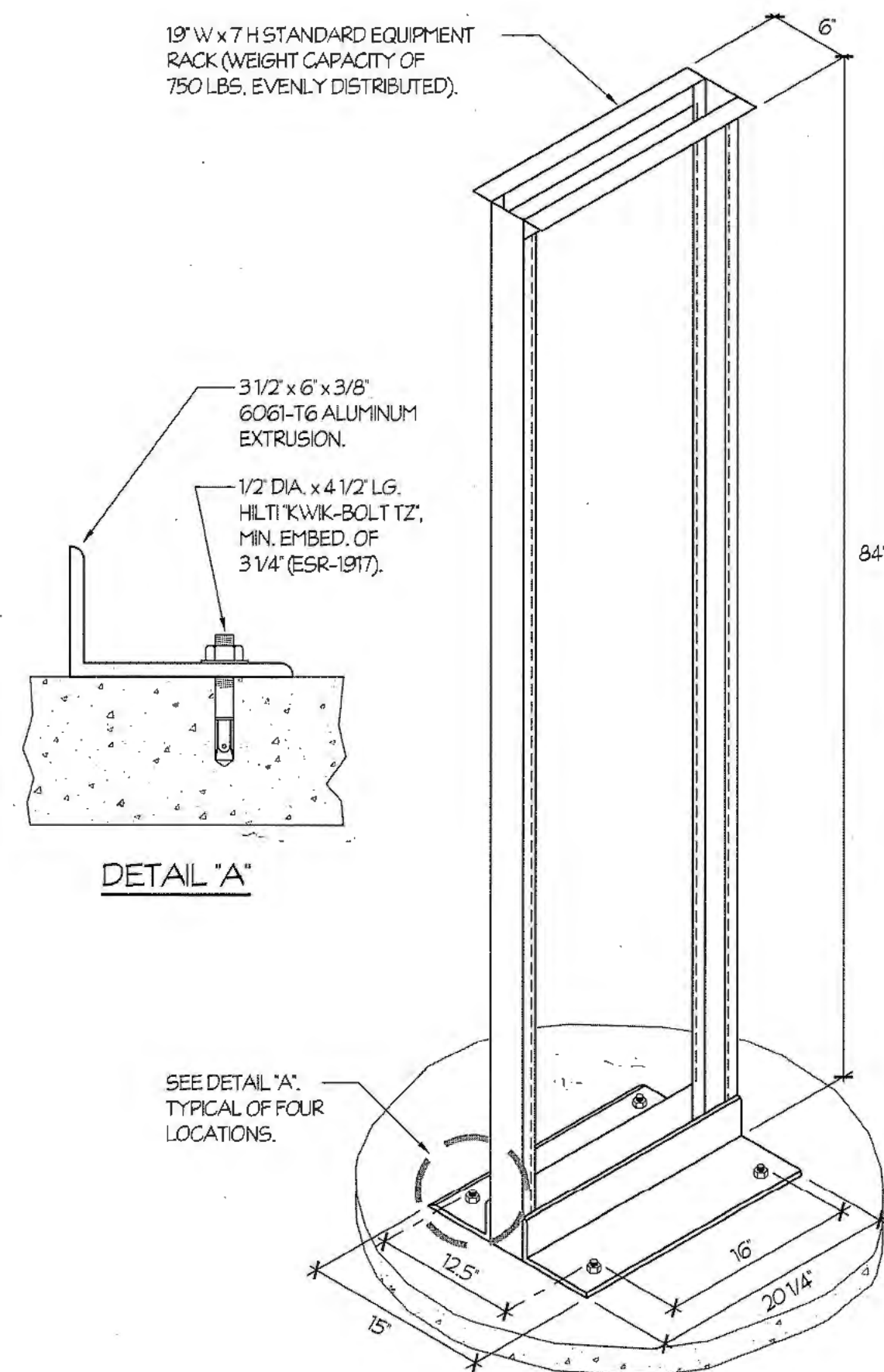
**ELECTRICAL SYMBOLS NOTES:**

- (A) ELECTRICAL CONTRACTOR SHALL PROVIDE A 45 x 2 1/8" DEEP OUTLET BOX WITH SINGLE GANG RAISED RING, DEPTH AS REQUIRED. UNLESS OTHERWISE NOTED, RUN RUN 1-1/4" FROM OUTLET BOX AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING. PROVIDE AN INSULATING BUSHING, BRIDGEPORT #TWB-54 OR EQUAL, AT STUB.
- (C) ELECTRICAL CONTRACTOR SHALL PROVIDE A 4-1 1/16" SQUARE x 2 1/8" DEEP OUTLET BOX WITH SINGLE GANG RAISED RING, DEPTH AS REQUIRED. UNLESS OTHERWISE NOTED, RUN RUN 3/4" FROM OUTLET BOX AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING. PROVIDE AN INSULATING BUSHING, BRIDGEPORT #TWB-52 OR EQUAL, AT STUB.
- (D) PROVIDE (2) CAT6A CABLES FOR ALL WIRELESS ACCESS LOCATIONS.
- (E) ELECTRICAL CONTRACTOR SHALL PROVIDE A 45 x 2 1/8" DEEP OUTLET BOX WITH DOUBLE GANG RAISED RING, DEPTH AS REQUIRED. UNLESS OTHERWISE NOTED, RUN RUN 1-1/4" FROM OUTLET BOX AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING. PROVIDE AN INSULATING BUSHING, BRIDGEPORT #TWB-54 OR EQUAL, AT STUB.



② HC - RACK ELEVATION

NTS



③ 2-POST DATA RACK

NTS

⑥ DATA OUTLET IDENTIFICATION MATRIX

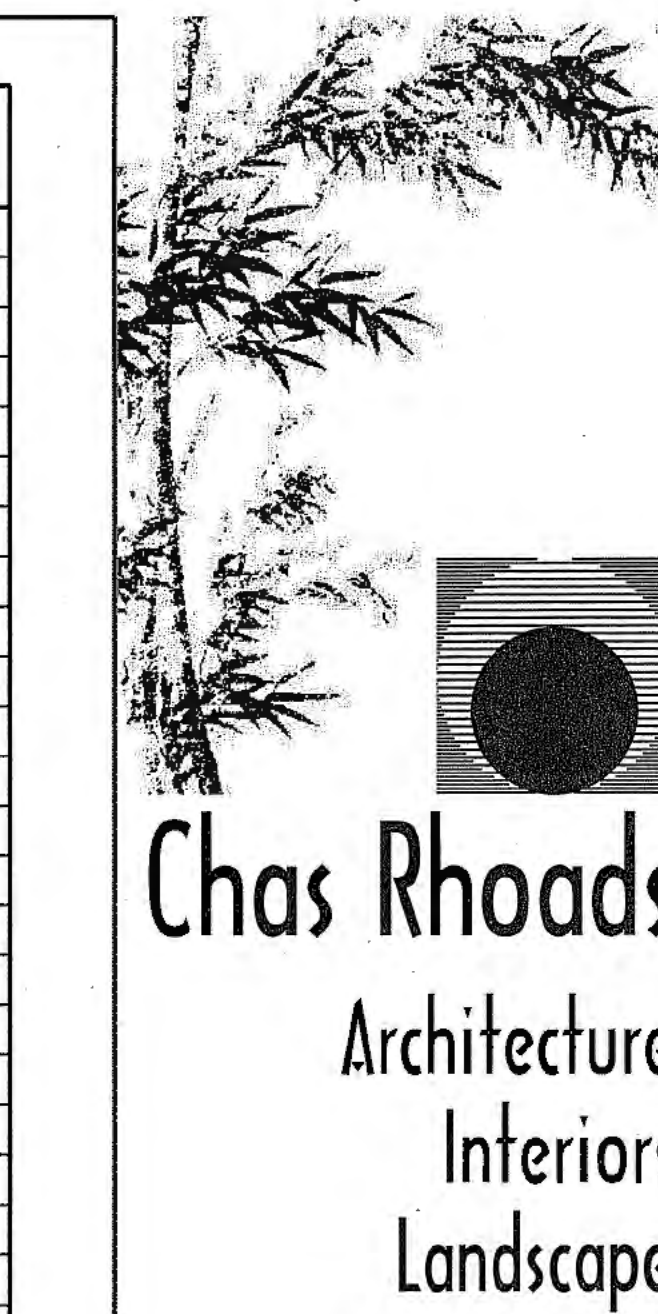
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⑦ RESERVED

NTS

⑧ STORAGE RING FOR OPTIC FIBER

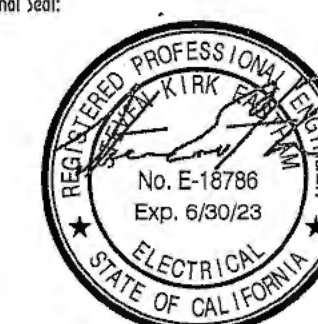
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Visalia, California 93292-6705

Drawing Status:

Contract Document

Revision Summary:

Project:

New Morgue Building  
Tulare County Sheriff  
South "O" Street  
Tulare, California

Sheet Description:

SIGNALS DETAILS,  
IT ROOM

Date: 01/12/24

Project: 22-102

Scale: AS NOTED

Sheet No:

11.2

# Sheets

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method (Page 6 of 17)

C1. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kWh/ft <sup>2</sup> /yr)			
COMPLIES <sup>2</sup>			
Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) <sup>1</sup>
Space Heating	23.38	7.98	15.4
Space Cooling	1.17	1.55	-0.49
Indoor Fans	5.13	7.18	-2.05
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	4.13	2.17	1.96
Indoor Lighting	1.33	1.42	-0.09
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	35.14	26.41	84.73 (41.9%)
Photovoltaics	---	---	---
Batteries	---	---	---
TOTAL COMPLIANCE	35.14	26.41	84.73 (41.9%)

<sup>1</sup> Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-11-16 16:43:22  
Schema Version: rev 20220601 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method (Page 3 of 17)

C1. COMPLIANCE SUMMARY			
COMPLIES <sup>2</sup>			
	Time Dependent Valuation (TDV)		Source Energy Use
	Efficiency <sup>1</sup> (kBtu/ft <sup>2</sup> -yr)	Total <sup>2</sup> (kBtu/ft <sup>2</sup> -yr)	Total <sup>3</sup> (kBtu/ft <sup>2</sup> -yr)
Standard Design	209.95	209.95	35.14
Proposed Design	196.22	196.22	20.41
Compliance Margins	13.74	13.74	14.73
	Pass	Pass	Pass

<sup>1</sup> Efficiency measures include improvements like a better building envelope and more efficient equipment  
<sup>2</sup> Compliance Totals include efficiency, photovoltaics and batteries  
<sup>3</sup> Building complies when efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-11-16 16:43:22  
Schema Version: rev 20220601 Compliance ID: EnergyPro-20016-1123-0517

PROJECT TEAM LIST			
TITLE	NAME	DESK NUMBER	EMAIL ADDRESS
PRINCIPAL IN CHARGE	BRIAN STARRETT	805.540.5358	BSTARRETT@3CENG.COM
PROJECT MANAGER	DENVER STANGER	805.540.5388	DSTANGER@3CENG.COM
MECHANICAL DESIGNER	BEN SWANSON	805.221.0305	BSWANSON@3CENG.COM
PLUMBING DESIGNER	RANDY CARMINATI	805.540.3363	RCARMINATI@3CENG.COM
ENERGY COMPLIANCE	DANICA RESURRECCION	805.540.2812	DRESURRECCION@3CENG.COM

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
T24.0	ENERGY COMPLIANCE DOCUMENTATION
T24.1	ENERGY COMPLIANCE DOCUMENTATION

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method (Page 7 of 17)

C2. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS <sup>1</sup>			
Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) <sup>1</sup>
Receptacle	2.96	2.66	---
Process	---	---	---
Other Ltg	0.03	0.03	---
Process Motors	0.01	0.01	---
TOTAL TOTAL COMPLIANCE + NON-REGULATED COMPONENTS	37.84	29.11	14.73 (38.9%)

<sup>1</sup> Notes: This table is not used for Energy Code Compliance.

C6. ABOVE CODE QUALIFICATIONS  
 This project is pursuing CalGreen Tier 1  This project is pursuing CalGreen Tier 2

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-11-16 16:43:22  
Schema Version: rev 20220601 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method (Page 4 of 17)

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft <sup>2</sup> -yr)			
COMPLIES <sup>2</sup>			
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) <sup>1</sup>
Space Heating	72.61	28.61	33.8
Space Cooling	32.24	37.93	-5.69
Indoor Fans	72.91	94.27	-21.46
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	14.13	5.89	8.24
Indoor Lighting	18.17	19.32	-1.15
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	209.95	196.22	13.74 (6.5%)
Photovoltaics	---	---	---
Batteries	---	---	---
TOTAL COMPLIANCE	209.95	196.22	13.74 (6.5%)

<sup>1</sup> Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-11-16 16:43:22  
Schema Version: rev 20220601 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method (Page 1 of 17)

Project Name: New Morgue Building Tulare County Sheriff Date Prepared: 2023-11-16

A. General Information			
1 Project Name	New Morgue Building Tulare County Sheriff		
2 Run Title	Title 24 Analysis		
3 Project Location	1225 S O St.		
4 City	Tulare	5 Standards Version	Compliance 2022
6 Zip code	93274	7 Compliance Software (version)	EnergyPro 9.1
8 Climate Zone	13	9 Building Orientation (deg)	0
10 Building Type(s)	* Nonresidential	11 Weather File	VISALIA_ST1720.gpw
12 Project Scope	* New envelope and mechanical	13 Number of Dwelling Units	0
14 Total Conditioned Floor Area in Scope (ft <sup>2</sup> )	4958	15 Total # of hotel/motel rooms	0
16 Total Unconditioned Floor Area (ft <sup>2</sup> )	135	17 Fuel Type	Natural gas
18 Nonresidential Conditioned Floor Area	4958	19 Total # of Stories (Habitable Above Grade)	1
20 Residential Conditioned Floor Area	0		

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-11-16 16:43:22  
Schema Version: rev 20220601 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method (Page 8 of 17)

C3. ENERGY USE SUMMARY						
Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	0.9	4.1	-3.2	120.8	31.6	89.2
Space Cooling	6.9	6.8	0.1	---	---	---
Indoor Fans	15.4	16.7	-3.3	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	0.8	---	---	20.4	11.6	8.8
Indoor Lighting	4	4.2	-0.2	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	28	33.8	-5.8	141.2	43.2	98
Photovoltaics	---	---	---	---	---	---
Batteries	---	---	---	---	---	---
ENERGY USE SUBTOTAL	28	33.8	-5.8	141.2	43.2	98
Receptacle	8.9	8.9	0	---	---	---
Process	---	---	---	---	---	---
Other Ltg	0.1	0.1	0	---	---	---
Process Motors	0	0	0	---	---	---
ENERGY USE TOTAL	37	42.8	-5.8	141.2	43.2	98

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-11-16 16:43:22  
Schema Version: rev 20220601 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method (Page 5 of 17)

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS <sup>1</sup>			
Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) <sup>1</sup>
Receptacle	39.23	39.23	---
Process	---	---	---
Other Ltg	0.42	0.42	---
Process Motors	0.1	0.1	---
TOTAL TOTAL COMPLIANCE + NON-REGULATED COMPONENTS	149.71	128.97	13.74 (9.2%)

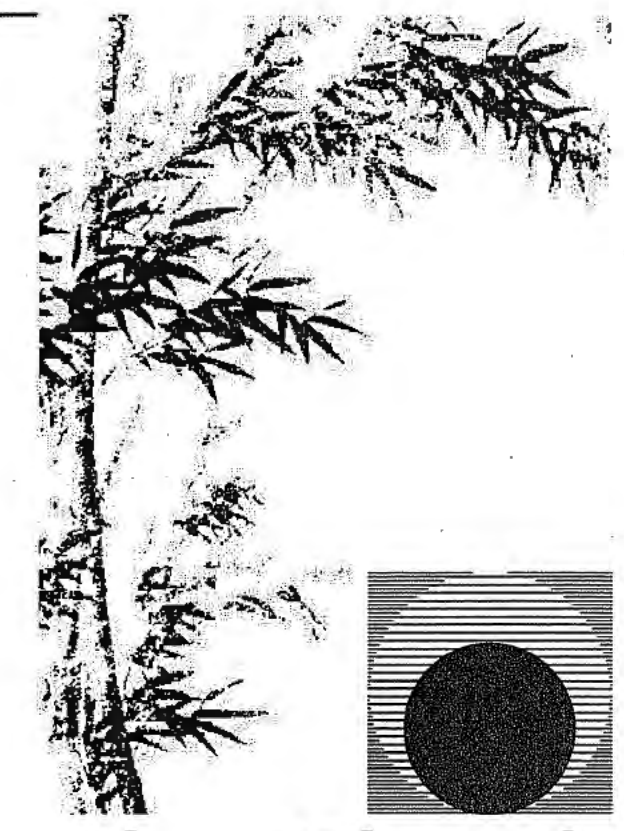
<sup>1</sup> Notes: This table is not used for Energy Code Compliance.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-11-16 16:43:22  
Schema Version: rev 20220601 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NON-RESIDENTIAL PERFORMANCE COMPLIANCE METHOD  
Nonresidential Performance Compliance Method (Page 2 of 17)

B. PROJECT SUMMARY			
Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.			
Envelope (See Table G)	Building Components Complying via Performance		Building Components Complying Prescriptively
	Nonres. MultiFam	Performance Not Included	The following building components are either eligible for prescriptive compliance and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E).
Mechanical (See Table H)	Nonres. Performance	Solar Thermal Water Heating (See Table I3)	<input type="checkbox"/> Performance Not Included
	MultiFam Not Included	Covered Process: Commercial Kitchens (see Table J)	<input type="checkbox"/> Performance Not Included
Domestic Hot Water (See Table I)	Nonres. Performance	Covered Process: Laboratory Exhaust (see Table J)	<input type="checkbox"/> Performance Not Included
	MultiFam Not Included	Photovoltaics (see Table F)	<input type="checkbox"/> Performance Not Included
Lighting (Indoor Conditioned, see Table K)	Nonres. Performance	Battery (see Table F)	<input type="checkbox"/> Performance Not Included
	MultiFam Not Included		

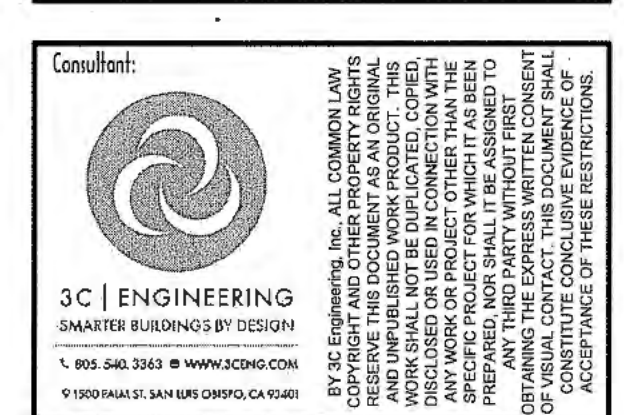
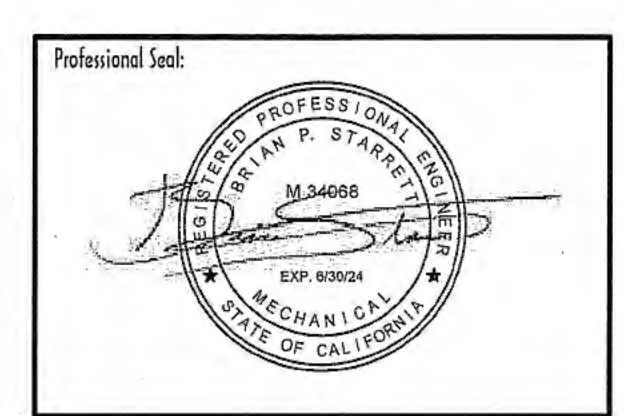
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-11-16 16:43:22  
Schema Version: rev 20220601 Compliance ID: EnergyPro-20016-1123-0517



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Drawing Status:  
**Contract Document**

Revision Summary:

Project:  
**New Morgue Building**  
Tulare County Sheriff  
South "O" Street  
Tulare, California  
Sheet Description:  
**ENERGY COMPLIANCE DOCUMENTATION**

Date: 11/16/23  
Project: 22-102  
Scale: PER PLAN  
Sheet No.: **T24.0**  
Of # Sheets:

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD										NRCC-PRF-E		
Nonresidential Performance Compliance Method										(Page 15 of 17)		
H8. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION												
01	02	03	04	05	06	07	08	09	10	11	12	
Zone Name	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM	Conditioned Area (ft <sup>2</sup> )	DCV or Occupant Sensor Controls, or Both						
7-Storage - Conditioned	Misc - Shipping/Receiving	1.1	66.3	1000	442	N/A						

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY												
01	02	03	04	05	06	07	08	09	10	11	12	
System ID	System Type	Qty	Rated Capacity (kBtu/h)		Airflow (cfm)			Fan				VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles		
1-Private Restroom-Trm	Uncontrolled	1	N/A	N/A	1,600	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>
2-Toilets - Private-Trm	Uncontrolled	1	N/A	N/A	1,200	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>
3-Science Lab-Trm	Uncontrolled	1	N/A	N/A	3,675	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>
4-Shower Room-Trm	Uncontrolled	1	N/A	N/A	400	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>
5-Meeting Area-Trm	Uncontrolled	1	N/A	N/A	675	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>
7-Storage - Conditioned-Trm	Uncontrolled	1	N/A	N/A	915	N/A	0	N/A	N/A	N/A	N/A	<input type="checkbox"/>
DS-1	MiniSplit HP	1	20	18	500	N/A	N/A	0.05	BHP	Cycling	<input type="checkbox"/>	

H11. WATER HEATER EQUIPMENT SUMMARY													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Unit	Efficiency	Efficiency Unit	Tank Insulation R-value (in/Fat)	Standby Loss Fraction	Let-Bc Rating or Flow Rate (gpm)	Heat Pump Type	Tank Location or Ambient Condition
AO Smith BTH-19A2	Natural Gas	Storage	1	100	199.9	kBtu/hr	0.97	TE	N/A	0.02	N/A	N/A	N/A

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-11-16 16:43:22 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD												NRCC-PRF-E	
Nonresidential Performance Compliance Method												(Page 12 of 17)	
H11. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)													
01	02	03	04	05	06	07	08	09	10	11	12		
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status <sup>1</sup>		
AC-1	Single Zone Air Conditioner (SZAC) Air System	1	56.7	0	AFUE	81	48	EER SEER	13 17	Fixed DB	N		
AC-2	Single Zone Air Conditioner (SZAC) Air System	1	36.5	0	AFUE	81	36	EER SEER	12.8 17	Fixed DB	N		
AC-3	Single Zone Air Conditioner (SZAC) Air System	1	240	0	TE	NA	168	EER	11	No Economizer	N		
FC-1	Single Zone Heat Pump (SZHP) Air System	1	13.6	0	N/A	NA	10.8	EER SEER	11.6 19.4	No Economizer	N		
FC-2	Single Zone Heat Pump (SZHP) Air System	1	21.6	0	N/A	NA	17.6	EER SEER	12.5 18.5	No Economizer	N		
DS-2	Single Zone Heat Pump (SZHP) Air System	1	36	0	N/A	NA	34.4	EER SEER	9.1 15.9	No Economizer	N		
DS-1	MiniSplit HP	1	20	0	N/A	NA	18	EER SEER	13 18.5	N/A	N		

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-11-16 16:43:22 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-E	
Nonresidential Performance Compliance Method					(Page 9 of 17)	
G8. ENERGY USE INTENSITY (EUI)						
	Standard Design (kBtu/ft <sup>2</sup> / yr)	Proposed Design (kBtu/ft <sup>2</sup> / yr)	Margin (kBtu/ft <sup>2</sup> / yr)	Margin Percentage		
GROSS EUI <sup>1</sup>	52.41	37.08	15.33	29.25		
NET EUI <sup>2</sup>	52.41	37.08	15.33	29.25		

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)			
01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft <sup>2</sup> )	Total Fenestration Area (ft <sup>2</sup> )	Window to Wall Ratio (WWR)
North-Facing <sup>1</sup>	829	149	17.97
East-Facing <sup>2</sup>	822	128	15.57
South-Facing <sup>3</sup>	349	0	0
West-Facing <sup>4</sup>	683	60	8.78
<b>Total</b>	<b>2683</b>	<b>337</b>	<b>12.56</b>
Roof	4968	0	0

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-11-16 16:43:22 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD										NRCC-PRF-E															
Nonresidential Performance Compliance Method										(Page 16 of 17)															
L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION																									
<p>Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online.</p> <table border="1"> <thead> <tr> <th>Building Component</th> <th>Form/Title</th> </tr> </thead> <tbody> <tr> <td>Envelope</td> <td>NRCC-ENV-01-E - Must be submitted for all buildings</td> </tr> <tr> <td>Envelope</td> <td>NRCC-ENV-02-E - Envelope (for all buildings)</td> </tr> <tr> <td>Mechanical</td> <td>NRCC-MCH-01-E - Must be submitted for all buildings</td> </tr> <tr> <td>Mechanical</td> <td>NRCC-MCH-02-E - For all buildings with Mechanical Systems</td> </tr> <tr> <td>Plumbing</td> <td>NRCC-PLB-01-E - Must be submitted for all buildings</td> </tr> <tr> <td>Plumbing</td> <td>NRCC-PLB-02-E - For all buildings with Plumbing Systems</td> </tr> </tbody> </table>												Building Component	Form/Title	Envelope	NRCC-ENV-01-E - Must be submitted for all buildings	Envelope	NRCC-ENV-02-E - Envelope (for all buildings)	Mechanical	NRCC-MCH-01-E - Must be submitted for all buildings	Mechanical	NRCC-MCH-02-E - For all buildings with Mechanical Systems	Plumbing	NRCC-PLB-01-E - Must be submitted for all buildings	Plumbing	NRCC-PLB-02-E - For all buildings with Plumbing Systems
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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-11-16 16:43:22 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD												NRCC-PRF-E	
Nonresidential Performance Compliance Method												(Page 13 of 17)	
H8. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY													
01	02	03	04	05	06	07	08	09	10	11	12	13	
Name or Item Tag	Qty	Design OA CFM	CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	Status <sup>1</sup>	
AC-1	1	179.7	1,600	0.63	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	
AC-2	1	102.6	1,200	0.38	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	
AC-3	1	0	3,675	1.65	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	
FC-1	1	0	400	0.15	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	
FC-2	1	148.5	675	0.26	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	
DS-2	1	0	915	0.37	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	
DS-1	1	0	500	0.05	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N	

H5. GENERAL EXHAUST FAN SUMMARY							
01	02	03	04	05	06	07	08
System ID	Zone Name	Qty	CFM	Power	Power Units	Continuous Operation?	Status <sup>1</sup>
Private Restroom3	1-Private Restroom	1	75	0.01	BHP	No	N
Toilets - Private35	2-Toilets - Private	1	75	0.01	BHP	No	N
Science Lab60	3-Science Lab	1	3775	2.05	BHP	No	N
Shower Room82	4-Shower Room	1	100	0.01	BHP	No	N
Storage - Conditioned105	7-Storage - Conditioned	1	1000	0.59	BHP	No	N
Mechanical - Unoccupied110	8-Mechanical - Unoccupied	1	75	0.01	BHP	No	N

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-11-16 16:43:22 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD										NRCC-PRF-E		
Nonresidential Performance Compliance Method										(Page 10 of 17)		
G6. NONRESIDENTIAL AIR BARRIER												
01	02						08					
Building Story Name							Air Barrier					
Com-Floor-1							No air barrier					

G5. OPAQUE SURFACE ASSEMBLY SUMMARY									
01	02	03	04	05	06	07	08	09	10
Surface Name	Construction Type	Area (ft <sup>2</sup> )	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status <sup>1</sup>
8 Autopsy CMU/5	Exterior Wall	1,539	N/A	0	N/A	U-factor	0.579	Concrete - Solid Grout - 115 lb/ft <sup>3</sup> - 8 in.	N
Wood Framed R-38 Batt Roof2	Roof	5,103	Wood	38	N/A	U-factor	0.0339	Composite-1 Rapor permeable felt - 1/8 in. Plywood - 5/8 in. Asphalt/Fltngles0_23in Plywood - 5/8 in.	N
2x6 Wood R-21 batt R6.6 r17	Exterior Wall	1,414	Wood	21	N/A	U-factor	0.0445	Composite-2 Mortar - Cement - 1 in. Vapor seal - plastic film - 1/16 in. Gypsum Board - 1/2 in. Compliance Insulation R6.46	N
8 CMU/40	Interior Wall	1,098	N/A	0	N/A	U-factor	0.447	Concrete - Solid Grout - 115 lb/ft <sup>3</sup> - 8 in.	N
2x6 Wood R-21 batt R6.6 r171	Interior Wall	140	Wood	21	N/A	U-factor	0.0434	Composite-2 Mortar - Cement - 1 in. Vapor seal - plastic film - 1/16 in. Gypsum Board - 1/2 in. Compliance Insulation R6.46	N

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-11-16 16:43:22 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD										NRCC-PRF-E	
Nonresidential Performance Compliance Method										(Page 17 of 17)	
Documentation Author's Declaration Statement											
<p>I, I certify that this Certificate of Compliance documentation is accurate and complete.</p> <p>Documentation Author Name: Danica Resurreccion            Company: 3C Engineering, Inc.            Address: 1500 Palm St.            City/State/Zip: San Luis Obispo, CA 93401</p> <p>Documentation Author Signature: <i>Danica Resurreccion</i>            Signature Date: 2023-11-16            EA/HERS Certification Identification (if applicable):            Phone: 805-540-3363</p>											
<p>Responsible Person's Declaration Statement</p> <p>I certify the following under penalty of perjury, under the laws of the State of California:</p> <ol style="list-style-type: none"> <li>The information provided on this Certificate of Compliance is true and correct.</li> <li>I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).</li> <li>The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.</li> <li>The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.</li> <li>I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.</li> <li>I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.</li> </ol>											
<p>Responsible Designer Name: Chas Rhoads            Company: Architecture Interiors Landscape            Address: Postal Box 889            City/State/Zip: Hanford, California 93232            Phone: 559-584-3371</p>						<p>Date Signed: 2023-11-16            License #: CL14926            Title: Architect            Scope: Envelope Design</p>					
<p>Responsible Designer Name: Brian Starratt            Company: 3C Engineering, Inc.            Address: 1500 Palm St.            City/State/Zip: San Luis Obispo, CA 93401            Phone: 805-540-3363</p>						<p>Date Signed: 2023-11-16            License #: M34068            Title: Mechanical Engineer            Scope: Envelope Design</p>					

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-11-16 16:43:22 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD										NRCC-PRF-E	
Nonresidential Performance Compliance Method										(Page 14 of 17)	
H8. SYSTEM SPECIAL FEATURES											
01	02	03	04								
System Name	Equipment Type	Interlocks per 140.4(a) <sup>1</sup>	Other Special Features and Controls								
AC-1	Single Zone Air Conditioner (SZAC) Air System	N/A	Fixed DB								
AC-2	Single Zone Air Conditioner (SZAC) Air System	N/A	Fixed DB								
<p>WH-11 - SHW Service Hot Water</p>											

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION						
01	02	03	04	05	06	07
Zone Name	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM	Conditioned Area (ft <sup>2</sup> )	DCV or Occupant Sensor Controls, or Both
1-Private Restroom	Exhaust - Toilets, private Office - Office space General - Corridors NA	6.36	179.7	75	1342	N/A
2-Toilets - Private	Exhaust - Toilets, private Office - Office space General - Corridors	3.82	102.6	75	764	N/A
3-Science Lab	Exhaust - Storage rooms, chemical	1.7	0	3775	1703	N/A
4-Shower Room	Exhaust - Shower rooms	1.82	34.05	134.05	364	N/A
5-Meeting Area	General - Conference/meeting	9.9	148.5	0	297	N/A
6-IT Room - Unoccupied	General - Unoccupied	0.08	0	0	56	N/A

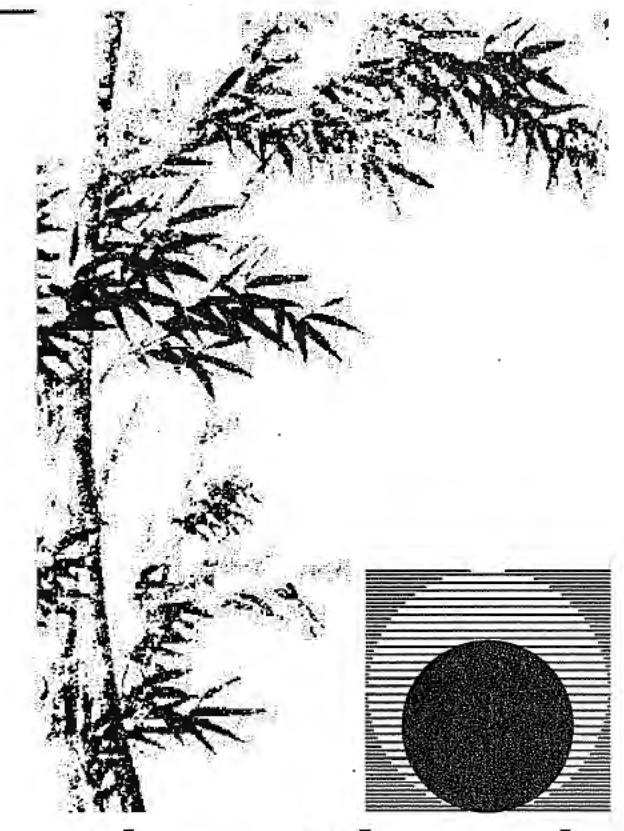
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-11-16 16:43:22 Compliance ID: EnergyPro-20016-1123-0517

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD										NRCC-PRF-E		
Nonresidential Performance Compliance Method										(Page 11 of 17)		
G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)												
01	02						08					
Assembly Name	Area (ft <sup>2</sup> )						Overall U-factor					
Metal Door53	24						0.7					

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)								
01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type / Product Type / Frame Type	Certification Method <sup>1</sup>	Assembly Method	Area (ft <sup>2</sup> )	Overall U-factor	Overall SHGC	Overall Vt	Status <sup>2</sup>
PPG Solargray+Solarban 60 Thermal Break	Vertical Fenestration Fixed window	NFRC	Site built	209	0.38	0.15	0.12	N
PPG Solargray+Solarban 60 Thermal Break	Vertical Fenestration Curtain wall	NFRC	Manufactured	107	0.38	0.15	0.12	N
PPG Door Solargray+Solarban 60 Thermal Break	Vertical Fenestration Glass door	NFRC	Site built	21	0.36	0.15	0.12	N

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601 Report Generated: 2023-11-16 16:43:22 Compliance ID: EnergyPro-20016-1123-0517



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