CITY OF PORTERVILLE
CALIFORNIA
COMMUNITY CENTER & PARK PROJECT
PROJECT NO: 89-9411-88
BID NO: 24/25-CP1977

BEGINNING OF ADDENDUM No. 4

Date: December 3, 2024

ITEM No. 1
On page three (3), first paragraph, of the project manual, change bid opening date and time from Wednesday, December 9, 2024, at 2:30 p.m. (as modified in Addendum 3) to **Tuesday, January 7, 2025, at 2:30 p.m.**

ITEM No. 2
Bid questions shall be submitted no later than Tuesday, December 10, 2024.

ITEM No. 3
Specification Section 07 4213 Metal Wall Panels is attached herein for incorporation into the project manual.

ITEM No. 4
LED Lighting Study for 50' x 90' Urban Soccer Park is attached herein for incorporation into the bid documents.

ITEM No. 5
Plan sheets A111, A406, A501, A901, A903, A911, LC108, LC503 have been updated and bubbled for reference. They are attached herein for incorporation into the plan set.

ITEM No. 6
Specification Section 21 1313 is attached herein for incorporation into the project manual.

END OF ADDENDUM No. 4

/s/ Janie Rodriguez, Purchasing Agent

This addendum must be signed and submitted with the sealed bid proposal.
Bid proposals submitted without this sheet will not be considered.

Firm:_____

By:_____

_____ Date:_____
Authorized Signature

Section 07 4213
Metal Wall Panels

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Manufactured metal panels for exterior wall panels, interior liner panels, soffit panels, retrofit panels, subgirt framing assembly, and perforated panels for mechanical screening, with related flashings and accessory components.

1.02 RELATED REQUIREMENTS

A. Section 05 4000 - Cold-Formed Metal Framing: Wall panel substrate.

B. Section 06 1000 - Rough Carpentry: Wall panel substrate.

C. Section 07 2500 - Weather Barriers: Weather barrier under wall panels.

D. Section 07 9200 - Joint Sealants: Sealing joints between metal wall panel system and adjacent construction.

1.03 REFERENCE STANDARDS

A. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.

B. ASHRAE Std 90.1 I-P - Energy Standard for Buildings Except Low-Rise Residential Buildings; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2023d.

D. NFPA 285 - Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components; 2023.

1.04 SUBMITTALS

A. See Section 01 3300 - Submittals for submittal procedures.

B. Shop Drawings: Indicate dimensions, layout, joints, construction details, support clips, profiles, finishes, and methods of anchorage.

C. Samples: Submit two samples of wall panel and soffit panel, 12 inches by 12 inches in size illustrating finish color, sheen, and texture. Include fasteners, closures, and other metal panel

access

1.05 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.06 MOCK-UPS

A. Construct mock-up, ____ feet long by ____ feet wide; include panel and soffit system, glazing, attachments to building frame, associated vapor retarder and air seal materials, weep drainage system, sealants and seals, _____, and related insulation in mock-up.

B. Build mockup; to verify selections made under sample submittals and to demonstrate aestheric effects and set quality standards for fabrication and installation.

C. Mock-up may remain as part of work.

1.07 DELIVERY, STORAGE, AND HANDLING

A. See Section 01 7419 - Construction Waste Management and Disposal for packaging waste requirements.

B. Deliver components, metal panels and other manufactured items so as not to be damaged or deformed. Package metal panels for protection during transportation and handling.

C. Store metal panels in a manner to prevent bending, warping, twisting and surface damage.

D. Stack metal panels horizontally on platforms or pallets, covered with suitable weather tight and ventilated covering. Store metal panels to ensure dryness with positive slope for drainage of water. Do not store metal panels in contact with other materials that might cause staining, denting or other surface damage.

E. Retain strippable protective covering on metal panels during installation.

F. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.

G. Store prefinished material off the ground and protected from weather; prevent twisting, bending, or abrasion; provide ventilation; slope metal sheets to ensure proper drainage.

H. Prevent contact with materials that may cause discoloration or staining of products.

1.08 FIELD CONDITIONS

A. Do not install wall panels when air temperature or relative humidity are outside manufacturer's limits.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Metal Wall Panels - Exposed Fasteners:
   1. MBCI; 7.2 Panel: www.mbci.com/#sle.
   2. Western States Decking, Inc. DBA - Western States Metal Roofing.
   3. Substitutions: See Section 01 6000 - Product Requirements.

2.02 METAL WALL PANEL SYSTEM

A. Wall Panel System: Factory fabricated prefinished metal panel system, site assembled.
   1. Provide exterior wall panels, interior liner panels, soffit panels, retrofit wall panels, and subgirt framing assembly.
   2. Design and size components to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of wall.
   3. Maximum Allowable Deflection of Panel: L/180 for length(L) of span.
   4. Movement: Accommodate movement within system without damage to components or deterioration of seals, movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; and deflection of structural support framing.
   5. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
   6. Fabrication: Formed true to shape, accurate in size, square, and free from distortion or defects; pieces of longest practical lengths.
   7. Corners: Factory-fabricated in one continuous piece with minimum 2-inch returns.

B. Exterior Wall Panels:
   1. Profile: _____; style as indicated.
   2. Metal Panel Designation: Western Rib Panel
   3. Steel Sheet: A-606-4 Weathering Steel: ASTM A 606-04 High Strength Low Alloy Weathering Steel
   4. Side Seams: Double-interlocked, tight-fitting, sealed with continuous gaskets.
   5. Panel Width: 36 inches.
   6. Panel Height: 1.5 inches.

C. Interior Liner Panels:
   1. Profile: Vertical; style as indicated.
   2. Side Seams: Interlocking, sealed with continuous bead of sealant.
   3. Panel Width: ___ inch.

D. Soffit Panels:
   1. Profile: Style as indicated, with venting provided.

E. Retrofit Wall Panels:
   1. Profile: Vertical; style as indicated.
   2. Side Seams: Lapped.

3. Condensation Control: Factory-applied membrane to reduce drips resulting from backside condensation.
4. Panel Width: ___ inches.

F. Perforated Panels for Mechanical Screening
1. Material: 24 guage Galvalume
2. Color: Unpainted Galvalume Plus
3. Size: 48-3/8"
4. Perforation size: 30.5% Open Area

G. Subgirt Framing Assembly:

H. Internal and External Corners: Same material, thickness, and finish as exterior sheets; profile to suit system; shop cut and factory mitered to required angles.

I. Expansion Joints: Same material, thickness and finish as exterior sheets; ___ gauge, ___ inch thick; manufacturer's standard brake formed type, of profile to suit system.

J. Trim: Same material, thickness and finish as exterior sheets; brake formed to required profiles.

K. Anchors: Galvanized steel.

2.03 ACCESSORIES

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that building framing members are ready to receive panels.

B. Verify weather barrier, see Section 07 2500, has been installed over wall panel substrate; see Section 05 4000.

3.02 INSTALLATION

A. Install panels on walls and soffits in accordance with manufacturer's instructions.

3.03 PROTECTION

A. Protect metal wall panels until completion of project.

B. Touch-up, repair, or replace damaged wall panels or accessories before Date of Substantial Completion.

END OF SECTION 07 4213

LED LIGHTING STUDY

50' X 90' URBAN SOCCER PARK

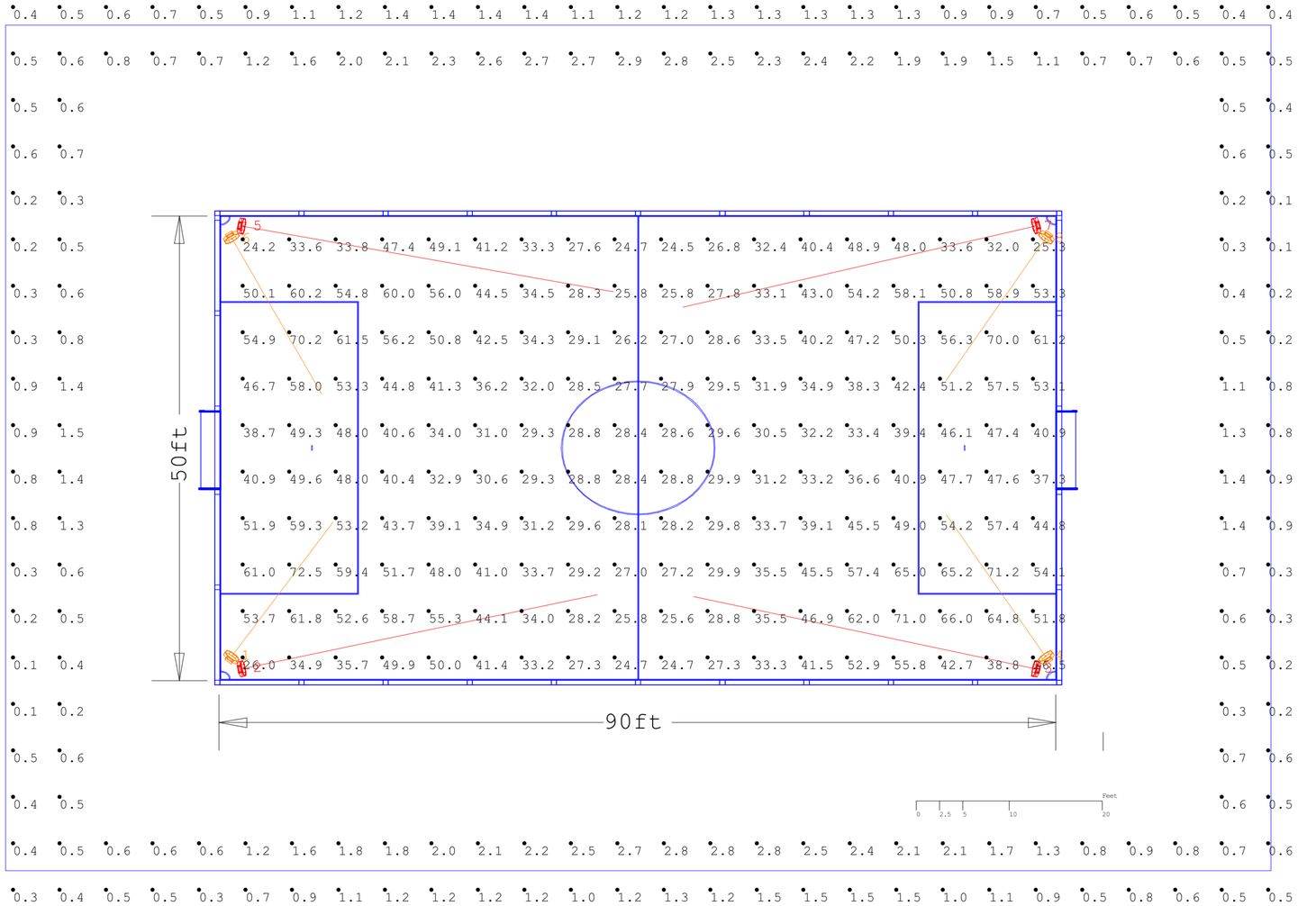
MADE IN IDAHO
URBAN SOCCER PARK
DESIGNED IN USA

URBAN SOCCER PARK

Calculation Summary

LABEL	CALCTYPE	UNITS	AVG	MAX	MIN	AVG/ MIN	MAX/ MIN
SOCCER FIELD	ILLUMINANCE	Fc	41.67	72.5	24.2	1.72	3.00
SPILL 20FT	ILLUMINANCE	Fc	1.02	2.9	0.1	10.20	29.00

DATE:	DRAWING NUMBER:	REV:	CHECK BY:	DRAWN BY:
2/4/2022				A. GUZMAN



SCALE: 1 INCH= 15 FT.

MADE IN IDAHO
URBAN SOCCER PARK
DESIGNED IN USA

URBAN SOCCER PARK

Assumptions:

SIZE: 50' X 90'
POLES HEIGHT: 18FT
MOUNTING HEIGHT: 18FT
GRID: 5'X5'
CALC POINTS AT: GRADE

Expanded Luminaire Location Summary

LUMNO	LABEL	ORIENT	TILT	X-AIMPT	Y-AIMPT	Z
1	A	53	45	15.631	24.003	18
2	B	11.755	65.156	44.083	16.213	18
3	B	168.077	64.321	54.426	16.004	18
4	A	125	46	81.589	24.873	18
5	B	350	66	45.836	48.837	18
6	A	300	47	14.449	37.805	18
7	B	193	65.101	53.269	47.157	18
8	A	235	46	81.589	39.277	18

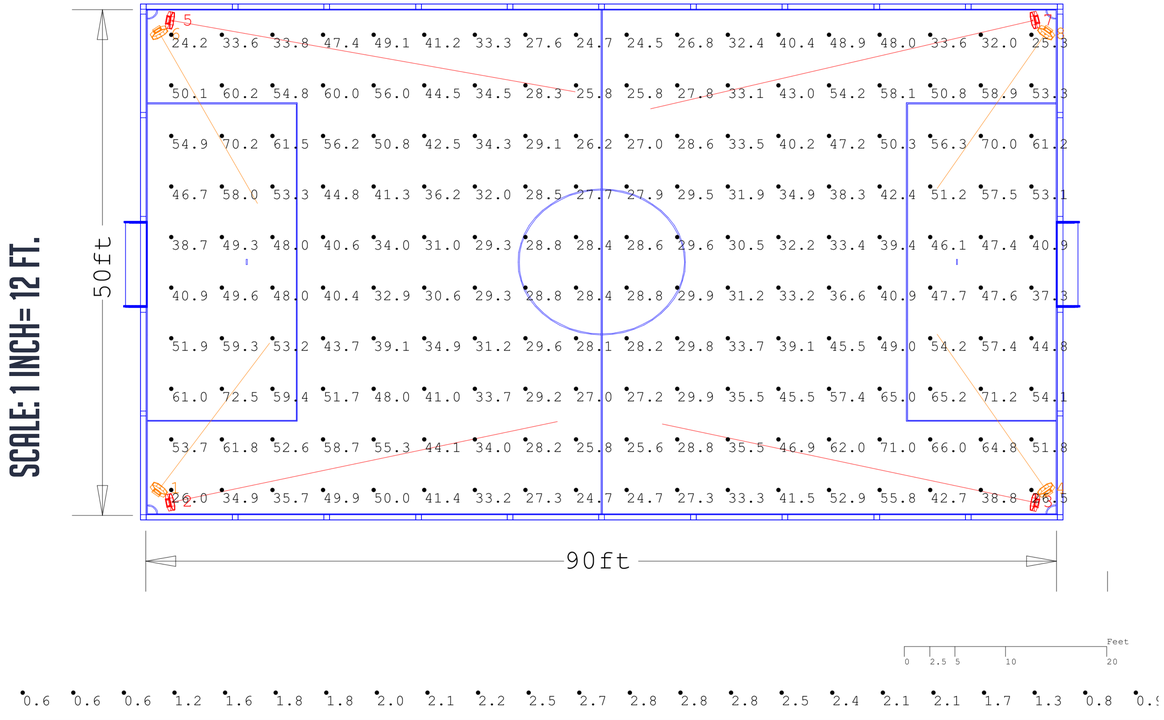
Calculation Summary

LABEL	CALCTYPE	UNITS	AVG	MAX	MIN	AVG/ MIN	MAX/ MIN
SOCCER FIELD	ILLUMINANCE	Fc	41.67	72.5	24.2	1.72	3.00
SPILL 20FT	ILLUMINANCE	Fc	1.02	2.9	0.1	10.20	29.00

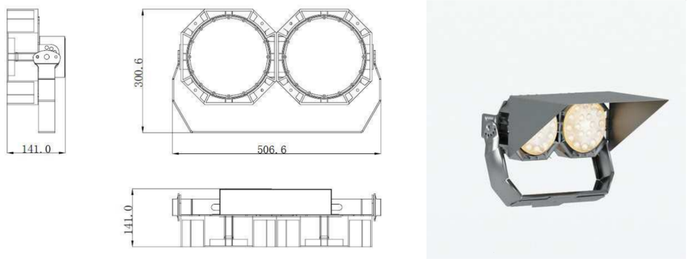
Luminaire Schedule

SYMBOL	QTY	LABEL	TOTAL LAMP LUMENS	LLF	DESCRIPTION
	4	A	38400	0.900	USP-SP240W-A-60
	4	B	38400	0.900	USP-SP240W-A-45

DATE:	DRAWING NUMBER:	REV:	CHECK BY:	DRAWN BY:
2/3/2022				A. GUZMAN



PRODUCT DIMENSION



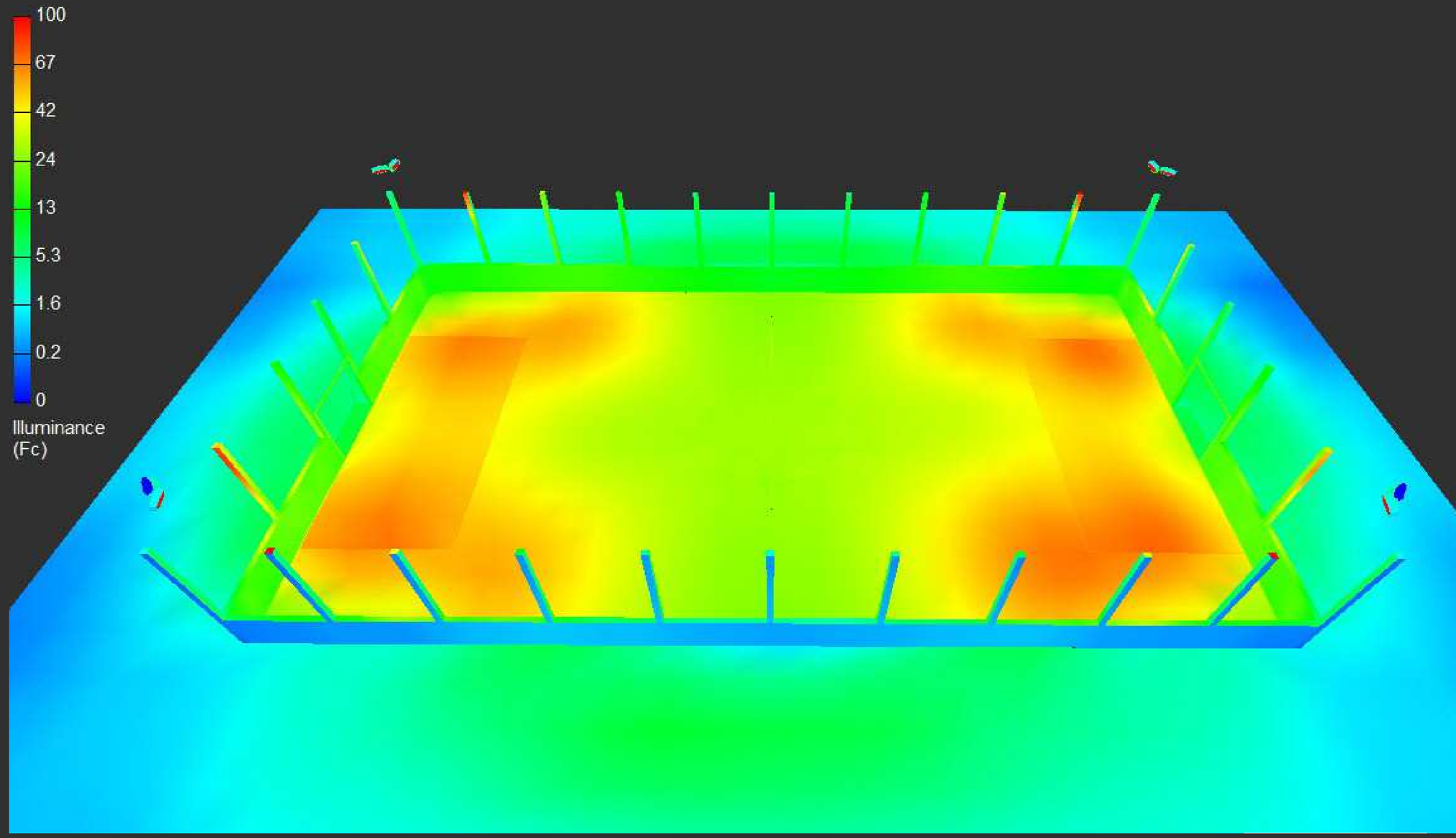
URBAN SOCCER PARK

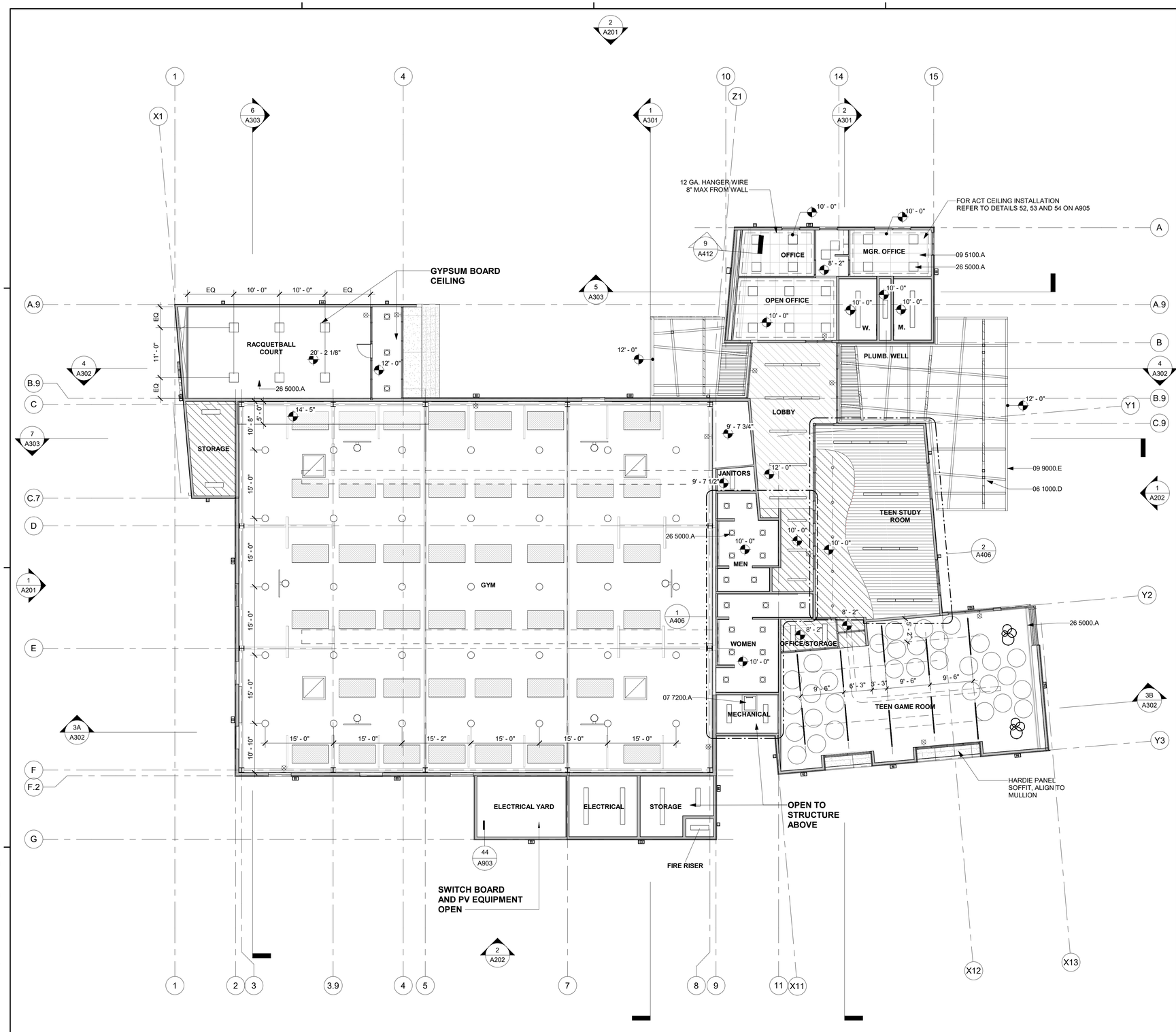
DATE:	DRAWING NUMBER:	REV:	CHECK BY:	DRAWN BY:
2/3/2022				A. GUZMAN

URBAN SOCCER PARK

DATE:	DRAWING NUMBER:
2/3/2022	

REV:	CHECK BY:	DRAWN BY:
		A. GUZMAN





1 GROUND FLOOR RCP - OVERALL

A201 | A111 SCALE: 3/32" = 1'-0"

RCP GENERAL NOTES

1. REFER TO GENERAL NOTES SHEET G-100 FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION.
3. REFER TO MECHANICAL PLANS FOR FURTHER INFORMATION.
4. REFER TO DETAILS FOR FLOOR/CEILING ASSEMBLIES.
5. HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED CEILING PLAN, UNO.
6. BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED INCLUDING POP RIVETS AND TAPPETS.
7. CONTRACTOR TO VERIFY DEPTH OF SOFFITS AND HOLD TIGHT TO PLUMBING, SPRINKLERS, ELECTRICAL AND MECHANICAL DUCTS
8. SEE MECHANICAL DRAWINGS FOR MECH. ACCESS PANELS. PAINT TO MATCH CEILING
9. AT DROPPED GWB SOFFITS/GWB BEAMS, PROVIDE C-STUDS AS VERTICAL SUPPORTS AT EACH SIDE OF THE SOFFIT/BEAM AND DIAGONAL BRACING FOR WRACKING. IF CEILING JOIST SPACING DIFFERS FROM FLOOR THEN BLOCKING BETWEEN THE FLOOR FRAMING MAY BE UTILIZED TO ATTACH THE VERTICAL STRUTS
10. ALL LIGHT FIXTURES ARE TO BE INSTALLED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN. ARCHITECT TO REVIEW CEILING LAYOUT INCLUDING BULKHEADS AND GRID PRIOR TO INSTALLATION.
11. SEE ELECTRICAL PLANS FOR LIGHTING LOCATIONS AND SPECIFICATIONS, AND EXIT SIGN LOCATIONS.

KEYNOTES

06 1000.D	COLUMN REFER TO STRUCTURAL
07 7200.A	ROOF ACCESS HATCH
09 5100.A	ACOUSTICAL LAY-IN TILE CEILING
09 9000.E	PAINTED STEEL TRELLIS, REFER TO STRUCTURAL.
26 5000.A	LIGHT FIXTURE. REFER TO ELECTRICAL

LEGEND

- XX'-X" — CEILING HEIGHT (SEE PLAN FOR ACTUAL HEIGHTS)
- INTERIOR - GYPSUM BOARD CEILING
- INTERIOR - GYPSUM BOARD SOFFIT
- INTERIOR - ACOUSTICAL TILE CEILING
- INTERIOR - ACOUSTIC BLADES
- INTERIOR - CEILING SOUND PANELS 48" X 96"
- EXTERIOR - FIBER CEMENT PANEL SOFFIT
- MECHANICAL EQUIPMENT, REFER TO MECHANICAL PLANS
- LIGHT FIXTURE, REFER TO ELECTRICAL PLANS
- ACCENT LIGHT, REFER TO ELECTRICAL PLANS
- ILLUMINATED EXIT SIGN, REFER TO ELECTRICAL PLANS

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LICENSED ARCHITECT — JENNIFER SCOTT LUM — C 39678 — 10-31-25 RENEWAL DATE — STATE OF CALIFORNIA

CONSULTANT

AGENCY

FOURTH ST COMMUNITY CENTER AND PARK
HENDERSON AVE., PORTERVILLE, CA 93257

REFLECTED CEILING PLAN

NO.	REVISION	DATE
1	PLAN CHECK REVISION 1	05/17/24
2	PLAN CHECK REVISION 2	09/17/24
3	ADDENDUM 4	11/27/24
4	ADDENDUM	11/08/24

PROJECT MANAGER TSL
DRAWN BY MC, NA, PM
CHECKED BY DD, KF
DATE 2024.11.15
PROJECT NUMBER 2883-01-RC22
SHEET A111

PLAN CHECK REVISION 2

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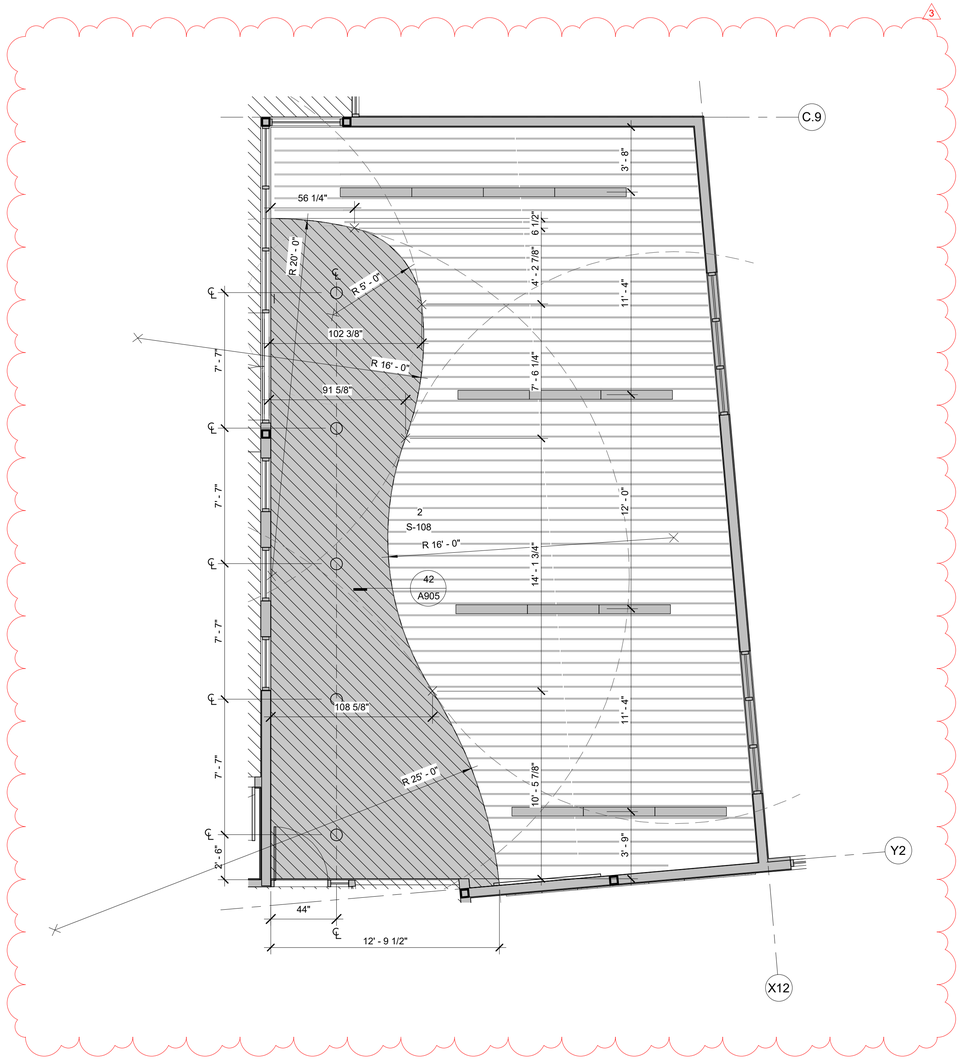
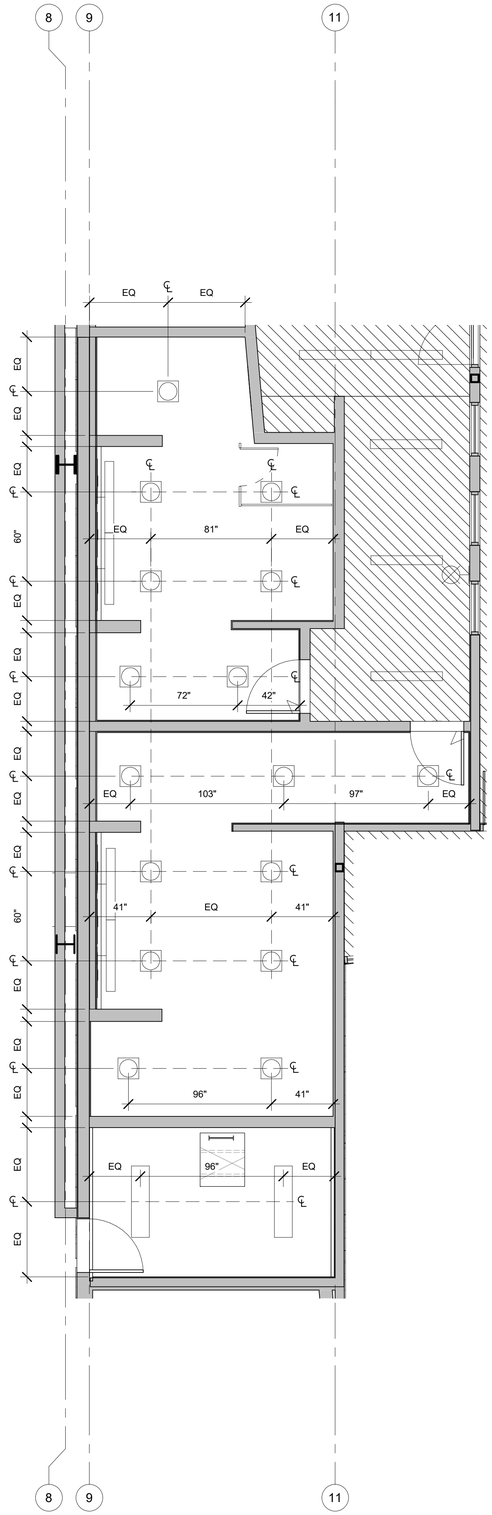


2 ENLARGED RCP - TEEN STUDY
A111 | A406 SCALE: 1/4" = 1'-0"



1 ENLARGED RESTROOM RCP
A111 | A406 SCALE: 1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
2. REFER TO SHEET A921 FOR WALL TYPES
3. REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION.
4. REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION IF PROVIDED.
5. REFER TO MECHANICAL PLANS, DRAWINGS OR REPORTS FOR FURTHER INFORMATION.
6. REFER TO PLUMBING PLANS OR DRAWINGS FOR FURTHER INFORMATION IF PROVIDED.
7. ALL FURNITURE AND EQUIPMENT IS BY OWNER AND IS SHOWN FOR COORDINATION PURPOSES ONLY.
8. ALL CASEWORK SHALL BE PROVIDED BY CONTRACTOR
9. INTERIOR WALL DIMENSIONS ARE TO FACE OF FRAMING UNLESS SPECIFICALLY NOTED OTHERWISE.
10. EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING UNLESS SPECIFICALLY NOTED OTHERWISE
11. PROVIDE ADEQUATE BLOCKING IN WALLS FOR CABINETS AND OTHER WALL MOUNTED ACCESSORIES INCLUDING BUT NOT LIMITED TO HANDRAILS, SHELVING AND BATHROOM FIXTURES.
12. PROVIDE FIREBLOCKING FOR WALL CAVITIES THAT EXCEED **2022 CBC** HEIGHT LIMITATIONS
13. DOOR AND WINDOW DIMENSIONS ARE CENTERED AT OPENINGS
14. WHERE DOOR IS LOCATED WITHOUT DIMENSION AT THE CORNER OF A ROOM IT SHALL BE 4" FROM FACE OF FRAMING OF ADJACENT WALL TO ROUGH DOOR OPENING
15. SEE CODE ANALYSIS FOR LOCATIONS OF FIRE PARTITIONS AND FIRE BARRIERS
16. WHERE RECESSED FIXTURES OCCUR IN WALLS OR HORIZONTAL ASSEMBLIES, THE FIRE RATING OF THOSE ASSEMBLIES SHALL BE MAINTAINED
17. AT ALL PENETRATIONS AND INTERSECTIONS OF FIRE-RATED PARTITIONS, PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY OF PARTITION RATING

KEYNOTES

LEGEND

- XX'-X" CEILING HEIGHT (SEE PLAN FOR ACTUAL HEIGHTS)
- INTERIOR - GYPSUM BOARD CEILING
- INTERIOR - GYPSUM BOARD SOFFIT
- INTERIOR - ACOUSTICAL TILE CEILING
- INTERIOR - ACOUSTIC BLADES
- INTERIOR - CEILING SOUND PANELS 48" X 96"
- EXTERIOR - FIBER CEMENT PANEL SOFFIT
- MECHANICAL EQUIPMENT, REFER TO MECHANICAL PLANS
- LIGHT FIXTURE, REFER TO ELECTRICAL PLANS
- ACCENT LIGHT, REFER TO ELECTRICAL PLANS
- ILLUMINATED EXIT SIGN, REFER TO ELECTRICAL PLANS

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10-31-25
RENEWAL DATE
STATE OF CALIFORNIA

CONSULTANT

AGENCY

FOURTH ST COMMUNITY CENTER AND PARK
HENDERSON AVE., PORTERVILLE, CA 93257

ENLARGED PLANS - RCP

NO.	REVISION	DATE
2	PLAN CHECK REVISION 2	09/17/24
3	ADDENDUM 4	11/27/24
4	ADDENDUM	11/08/24

PROJECT MANAGER TSL
DRAWN BY MC, NA, PM
CHECKED BY DD, KF
DATE 2024.11.15
PROJECT NUMBER 2883-01-RC22
SHEET A406

PLAN CHECK REVISION 2

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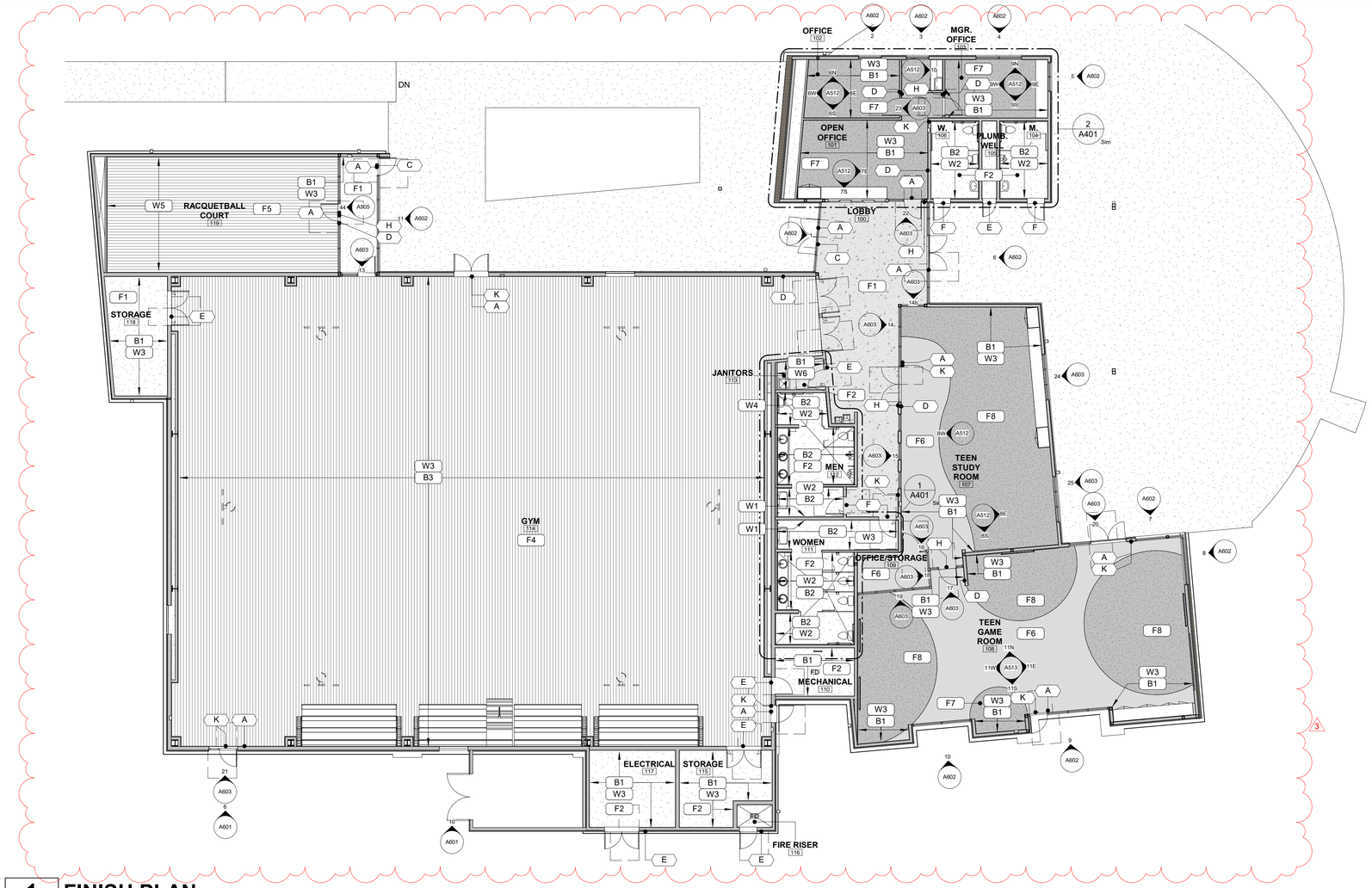

1 FINISH PLAN

A201 | A501 SCALE: 3/32" = 1'-0"

FINISH PLAN GENERAL NOTES

1. REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION.
3. REFER TO PLUMBING PLANS FOR FURTHER INFORMATION.
4. REFER TO DETAILS FOR FLOOR/CEILING ASSEMBLIES AND INTERIOR FINISH DETAILS.
5. ALL HARD SURFACE FLOORING SHALL BE SLIP RESISTANT AND MEET THE ***ANSI A326.3*** STANDARD FOR MEASURING THE DYNAMIC COEFFICIENT OF FRICTION (DCOF).
6. ALL FLOORING MATERIALS SHALL COMPLY WITH ***2022 CBC SEC. 804.1.***
7. ALL WALL AND CEILING FINISHES SHALL COMPLY WITH ***2022 CBC TABLE 803.13*** FOR MAXIMUM FLAME SPREAD AND SMOKE DENSITY.

FINISH REQUIREMENTS

PER ***2022 CBC 803.13*** INTERIOR WALL AND CEILING FINISH SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN THAT SPECIFIED IN TABLE 803.13 FOR THE GROUP AND LOCATION DESIGNATED. REFER TO ***2022 CBC SEC. 803*** FOR ADDITIONAL INFORMATION.

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY
(CBC 2022 TABLE 803.13)

DEGREE OF FIRE PROTECTION: SPRINKLERED

GROUP	INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES
A-1 & A-2	B	B	C
A-3,A-4,A-5	B	B	C
B,E,M,R-1	B	C	C
R-2	C	C	C
R-2.1	B	C	C
R-2.2	C	C	C
R-3, R-3.1	C	C	C
S	C	C	C

CLASSIFICATIONS
CLASS A:
- FLAME SPREAD INDEX = 0-25
- SMOKE DEVELOPED INDEX = 0-450

CLASS B:
- FLAME SPREAD INDEX = 26-75
- SMOKE DEVELOPED INDEX = 0-450

CLASS C:
- FLAME SPREAD INDEX = 76-200
- SMOKE DEVELOPED INDEX = 0-450

ROOM FINISH SCHEDULE

INTERIOR FINISH SCHEDULE

Number	SPEC	Description	Location	Size	Color	Notes
BASE						
B1	09 6513.A	VINYL BASE	TEEN STUDY, TEEN GAME, OFFICES, LOBBY, MECHANICAL, ELECTRICAL ROOM, STORAGE, JANITORS	6" HIGH	BLACK MATTE	
B2	09 3000.B	ALLUMINUM COVE BASE TRIM	RESTROOMS	3/8" HIGH	ANODIZED ALUMINUM	BASIS OF DESIGN: SCHLUTER
B3	09 6466.E	WOOD BASE	GYM FLOOR	3" WIDE, 4" HIGH	BLACK MATTE	L-SHAPE PER MANUFACTURER
FLOORING						
F1	03 3000	CONCRETE	SEE PLANS			
F2	03 3000.J	POLISHED CONCRETE	RESTROOMS, LOBBY, RACQUETBALL ENTRY			
F4	09 6466.C	WOOD FLOORING	GYM		MAPLE	
F5	13 2830	WOOD FLOORING	RACQUETBALL COURT		MAPLE	
F6	09 6519.A	LUXURY VINYL TILE	TEEN GAME ROOM, TEEN STUDY ROOM	25CM X 1M	GRAY	BASIS OF DESIGN: INTERFACE // SHANTUNG LVT, SILK COMPLEX, COLORI A02710 SILVER TREE
F7	09 6800	CARPET TILE	OFFICES	25CM X 1M	DARK GREY, ORANGE HIGHLIGHTS	BASIS OF DESIGN: INTERFACE // UPLOAD, STREAMING COLLECTION, COLOR 106292 LIGHT COPPER
F8	09 6800	CARPET TILE	TEEN GAME ROOM, TEEN STUDY ROOM	25CM X 1M	DARK GREY, GREEN HIGHLIGHTS	BASIS OF DESIGN: INTERFACE // UPLOAD, STREAMING COLLECTION, COLOR 106291 LIGHT GREEN
WALLS						
W1	09 3000.A	RESTROOM TILE	RESTROOMS	4" X 12"	ARCTIC SEMI-GLOSS	BASIS OF DESIGN: DALTILE
W2	09 3000.A	RESTROOM TILE	RESTROOMS	4" X 12"	ARTIC WHITE, DESERT GREY, MATTE CHALKBOARD	BASIS OF DESIGN: DALTILE // BLEND: 50% ARCTIC WHITE SEMI-GLOSS, 25% DESERT GRAY SEMI-GLOSS, 25% MATTE CHALKBOARD, VARIED BLEND, AT CONTRACTOR'S DISCRETION.
W3	09 2116.A	GYPSUM WALL BOARD, PAINT TO FINISH	LOBBY, GYM, STORAGE, MECHANICAL, ELECTRICAL, OFFICE, TEEN GAME ROOM, TEEN STUDY	N/A		IMPACT RESISTANT GYP UP TO 8' AT ALL LOCATIONS EXCEPT OFFICE AND RESTROOMS
W4	09 3000.G	WATER RESISTANT GYPSUM WALL BOARD	RESTROOMS	N/A		
W5	13 0032.C	T&G PANEL	RAQUETBALL COURT	N/A	N/A, PREFINISHED	
W6	06 8213.A	FRP	JANITOR	4' X 8'	WHITE	

SIGNAGE LEGEND

- ? SIGNAGE TAG. REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION.
- A **ILLUMINATED EXIT** - "EXIT" SIGN TO BE INSTALLED PER 2022 CBC.
- B **DIRECTIONAL SIGN** - INDICATING STAIR ACCESS AND ELEVATOR DIRECTION. SIGN TO BE INSTALLED PER 2022 CBC. REFER TO DETAIL **13/A-941**
- C **DOOR ACCESS** - "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS" SHALL BE PLACED ON OR ADJACENT TO THE FRONT EXIT DOORS. THE SIGN SHALL BE IN LETTERS NOT LESS THAN ONE INCH HIGH ON A CONTRASTING BACKGROUND.
- D **OCCUPANT LOAD** - ROOM OCCUPANCY LOAD SHALL BE POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT FROM THE ROOM(S). POSTING SHALL BE BY MEANS OF AN APPROVED DURABLE SIGN HAVING A CONTRASTING COLOR FROM THE BACKGROUND TO WHICH IT IS ATTACHED.
- E **SERVICE ROOM NAME SIGN** - SIGN SHALL BE POSTED ON THE OUTSIDE OF THE DOOR SO IT IS VISIBLE AND IN CONTRASTING COLOR, (I.E. "*FIRE RISER*", "*ELECTRICAL*", *STORAGE*")
- F **RESTROOM SIGN** - SIGN TO BE INSTALLED PER 2022 CBC. REFER TO ACCESSIBILITY DETAIL 13/A-944
- G **ROOM NUMBER** - SIGN TO BE INSTALLED PER 2022 CBC. REFER TO DETAIL **14/A-941**
- H **ROOM NAME** - SIGN TO BE INSTALLED PER 2022 CBC. REFER TO DETAIL **14/A-941**
- K **TACTILE EXIT** - SIGN TO BE PROVIDED AT GRADE-LEVEL EXTERIOR EXIT SIGNS IN CASES WHERE THE EXIT OR PATH OF EGRESS TRAVEL IS NOT IMMEDIATELY VISIBLE: "EXIT", "EXIT STAIR DOWN", "EXIT ROUTE" OR "TO EXIT" WHERE APPLIES, COMPLIANT WITH 2019 CBC 1013.4

LEGEND

- F1 POLISHED CONCRETE FINISH
- F2 SEALED CONCRETE FINISH
- F4 RESILIENT ATHLETIC FLOORING, MAPLE
- F5 HARDWOOD FLOORING, MAPLE
- F6 LUXURY VINYL TILE 09 6519
- F7 CARPET TILE 09 6800
- W1 BATHROOM WALL TILE, DALTILE ARCTIC WHITE SEMI-GLOSS 8" X 4"
- W2 BATHROOM WALL TILE // DALTILE: 50% ARCTIC WHITE SEMI-GLOSS, 25% DESERT GRAY SEMI-GLOSS, 25% MATTE CHALKBOARD, VARIED BLEND, AT CONTRACTOR'S DISCRETION.

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rrmdesign.com | (805) 543-1794
3765 SOUTH HIGUERA STREET SUITE 102
SAN LUIS OBISPO, CA 93401

LICENSED ARCHITECT
JENNIFER SCOTT LUPTON
C39878
10-31-25
RENEWAL DATE
STATE OF CALIFORNIA

CONSULTANT

AGENCY

FOURTH ST COMMUNITY CENTER AND PARK
HENDERSON AVE., PORTERVILLE, CA 93257

FINISH PLANS

NO.	REVISION	DATE
1	PLAN CHECK REVISION 1	05/17/24
3	ADDENDUM 4	11/27/24
4	ADDENDUM	11/08/24

PROJECT MANAGER
TSL

DRAWN BY MC, NA, PM
CHECKED BY DD, KF

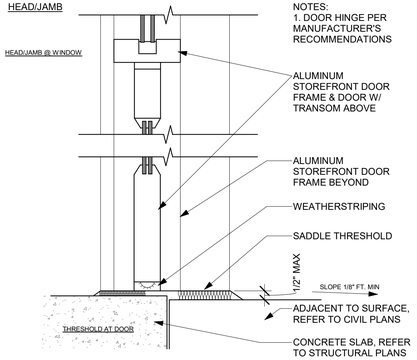
DATE
2024.11.15

PROJECT NUMBER
2883-01-RC22

SHEET
A501

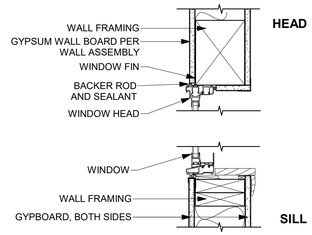
PLAN CHECK REVISION 2

11/27/2024 6:03:41 PM
Autodesk Docs://2883-01_Porterville Fourth St Community Center/2883-01-RC22_Porterville_v22.rvt



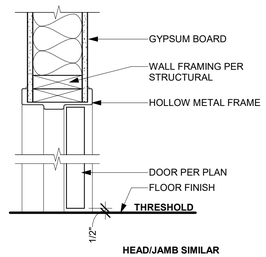
51 STOREFRONT DOOR

A001 SCALE: 3" = 1'-0"



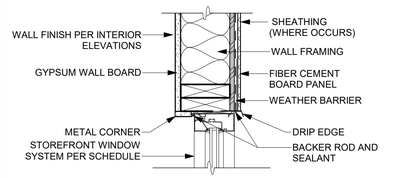
41 WINDOW HEAD AND SILL - INTERIOR

A001 SCALE: 1 1/2" = 1'-0"



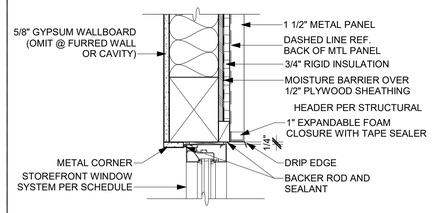
31 HOLLOW METAL DOOR - INTERIOR

A001 SCALE: 1 1/2" = 1'-0"



21 STOREFRONT HEAD AT FIBER CEMENT

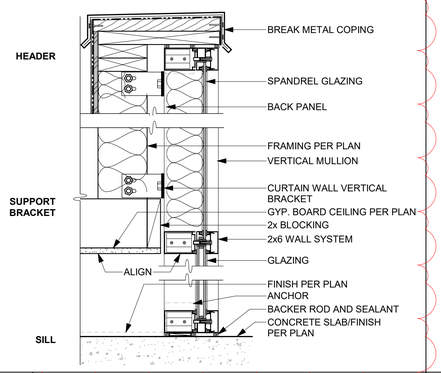
A001 SCALE: 1 1/2" = 1'-0"



11 STOREFRONT HEAD AT METAL PANEL

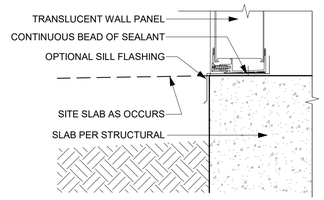
A001 SCALE: 1 1/2" = 1'-0"

3



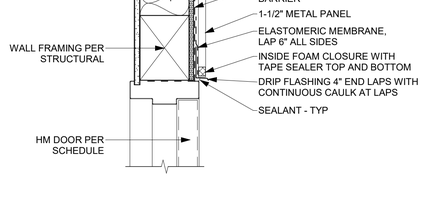
52 CURTAIN WALL

A001 SCALE: 1 1/2" = 1'-0"



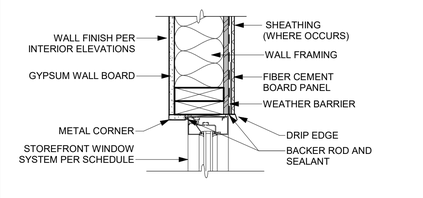
42 KALWALL SILL AT GROUND

A001 SCALE: 3" = 1'-0"



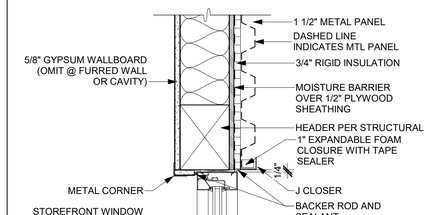
32 DOOR HEAD - METAL PANEL

A001 SCALE: 1 1/2" = 1'-0"



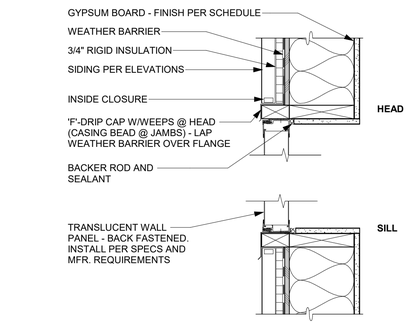
22 STOREFRONT JAMB AT FIBER CEMENT

A001 SCALE: 1 1/2" = 1'-0"



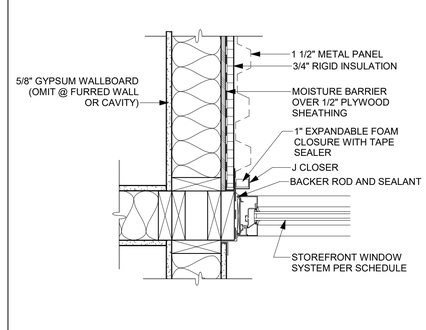
12 STOREFRONT JAMB AT METAL PANEL

A001 SCALE: 1 1/2" = 1'-0"



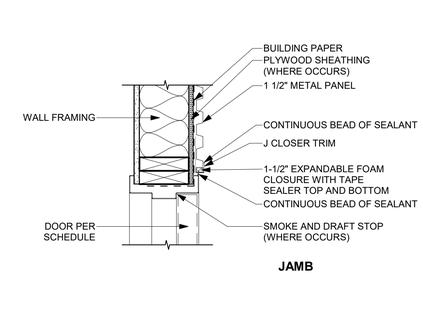
53 KALWALL HEAD AND SILL

A113 A001 SCALE: 1 1/2" = 1'-0"



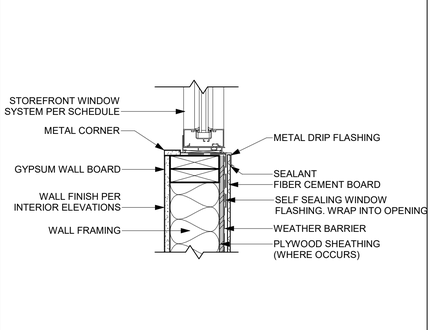
43 STOREFRONT JAMB AT METAL PANEL

A001 SCALE: 1 1/2" = 1'-0"



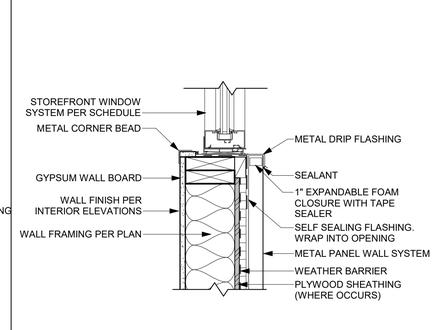
33 DOOR JAMB -METAL PANEL

A001 SCALE: 1 1/2" = 1'-0"



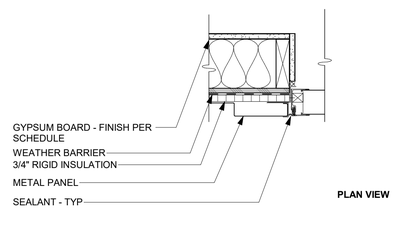
23 WIN-SILL @ FIBER CMT. SIDING

A001 SCALE: 1 1/2" = 1'-0"



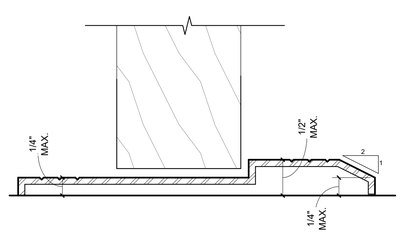
13 STOREFRONT SILL @ MTL PANEL

A001 SCALE: 1 1/2" = 1'-0"



54 KALWALL JAMB

A001 SCALE: 1 1/2" = 1'-0"



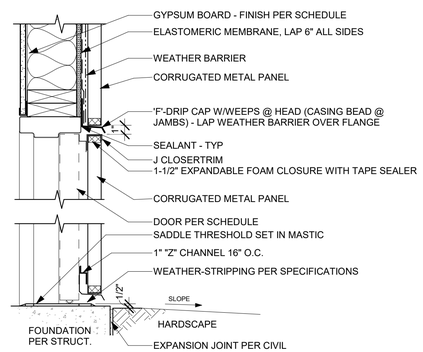
CBC 2022 11B-303.2 & 11B-303.3 THRESHOLDS.

11B-303.2: CHANGES IN LEVEL OF 1/4 INCH (6.4 MM) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT.

11B-303.3: CHANGES IN LEVEL BETWEEN 1/4 INCH (6.4 MM) HIGH MINIMUM AND 1/2 INCH (12.7 MM) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

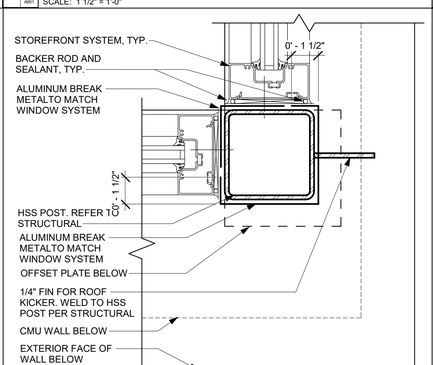
44 DOOR THRESHOLD

A001 SCALE: 12" = 1'-0"



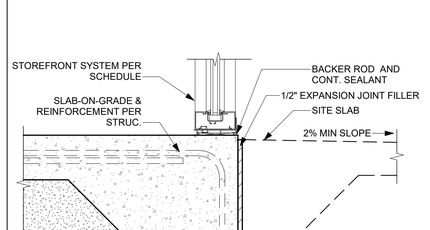
34 EXTERIOR HOLLOW METAL DOOR

A111 A001 SCALE: 1 1/2" = 1'-0"



24 STOREFRONT JAMB AT CORNER

A001 SCALE: 3" = 1'-0"



14 STOREFRONT SILL DETAIL

A412 A001 SCALE: 1 1/2" = 1'-0"

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SAN LUIS OBISPO, CA 93401

LICENSED ARCHITECT — JENNIFER SCOTT LUM — C 39878 — 10-31-25 RENEWAL DATE — STATE OF CALIFORNIA

CONSULTANT

AGENCY

FOURTH ST COMMUNITY CENTER AND PARK
HENDERSON AVE., PORTERVILLE, CA 93257
ARCHITECTURAL DETAILS - DOOR AND WINDOW

NO.	REVISION	DATE
1	PLAN CHECK REVISION 1	05/17/24
3	ADDENDUM 4	11/27/24
4	ADDENDUM	11/08/24

PROJECT MANAGER
TSL

DRAWN BY MC, NA, PM
CHECKED BY DD, KF

DATE
2024.11.15

PROJECT NUMBER
2883-01-RC22

SHEET
A901

PLAN CHECK REVISION 2

11/27/2024 6:03:42 PM
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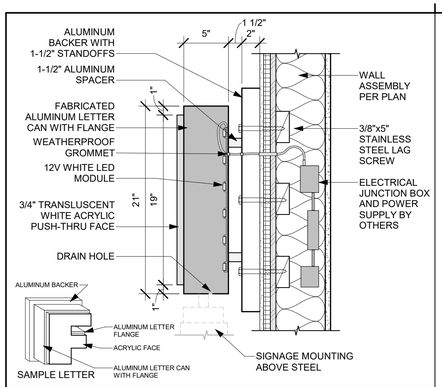
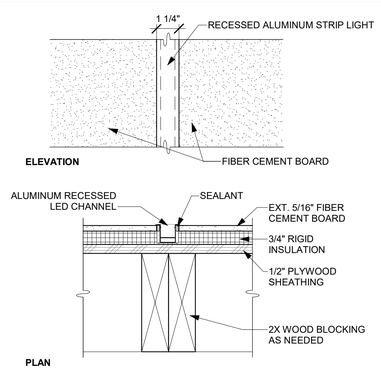


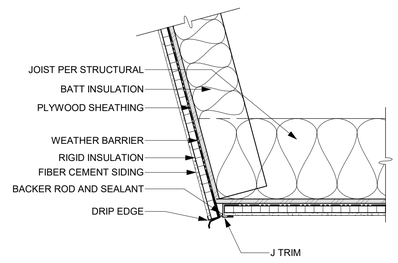
61 BUILDING SIGNAGE DETAIL

A603 SCALE: 1 1/2" = 1'-0"



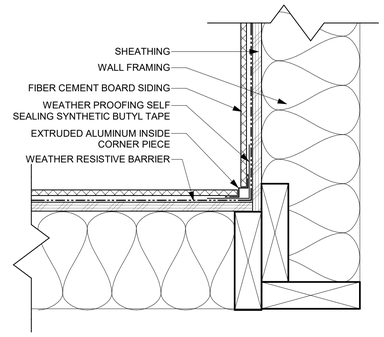
51 LED STRIP LIGHT

A201 A603 SCALE: 3" = 1'-0"



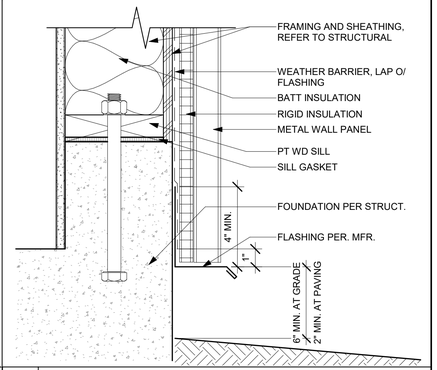
41 EXTERIOR OVERHANG

A414 A603 SCALE: 1 1/2" = 1'-0"



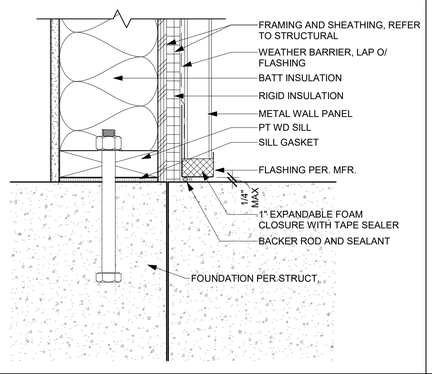
31 FIBER CEMENT BOARD - INSIDE CORNER

A603 SCALE: 3" = 1'-0"



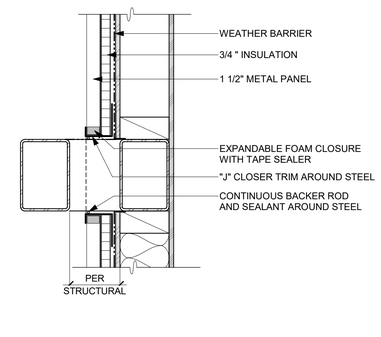
11 METAL PANEL WALL AT CURB

A603 SCALE: 3" = 1'-0"



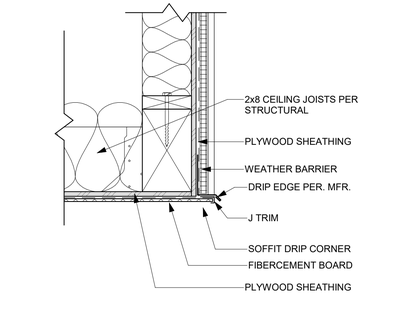
62 METAL PANEL WALL AT LEVEL CONC.

A603 SCALE: 3" = 1'-0"



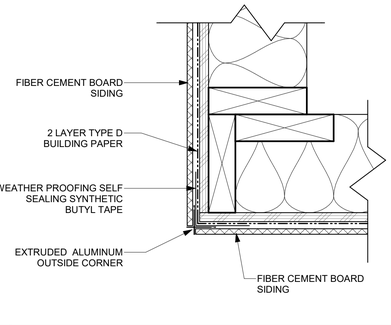
52 STEEL PENETRATION-MTL PANEL WALL

A603 SCALE: 1 1/2" = 1'-0"



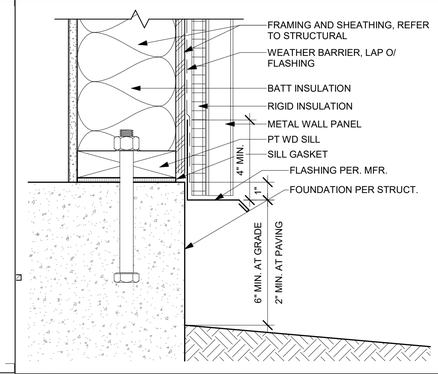
42 EXT. PLASTER SOFFIT TO WALL

A603 SCALE: 1 1/2" = 1'-0"



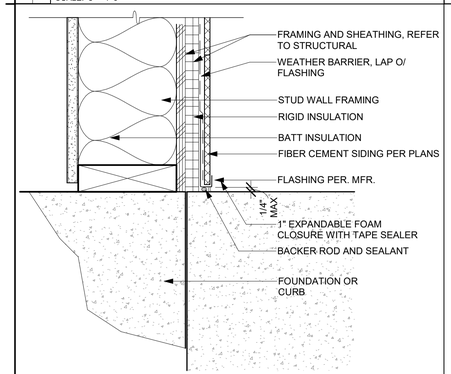
32 FIBER CEMENT BOARD - EXT. CORNER

A603 SCALE: 3" = 1'-0"



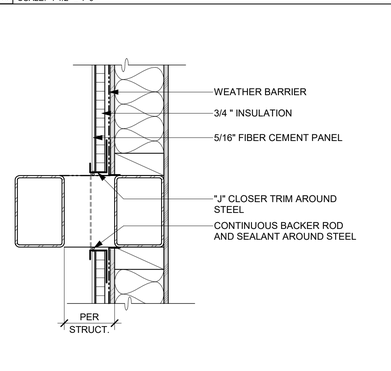
12 METAL PANEL WALL AT FINISH GRADE

A411 A603 SCALE: 3" = 1'-0"



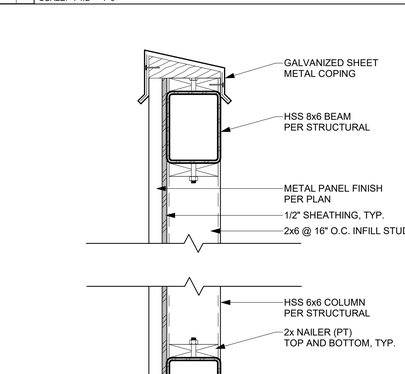
63 FIBER CEMENT WALL AT LEVEL CONC.

A603 SCALE: 3" = 1'-0"



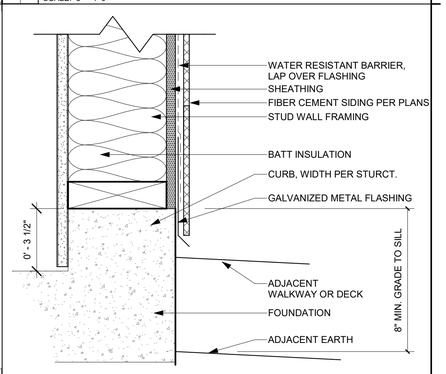
53 STEEL PENETRATION-FIBER CEMENT

A603 SCALE: 1 1/2" = 1'-0"



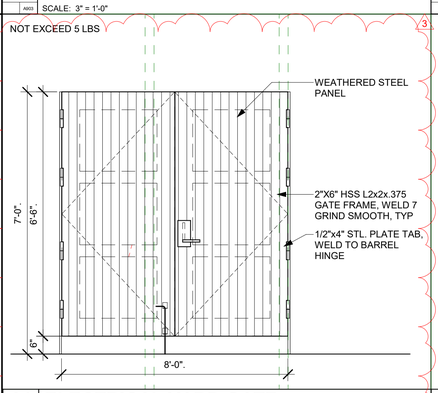
33 FIBER CEMENT BOARD TO MTL PANEL

A603 SCALE: 3" = 1'-0"



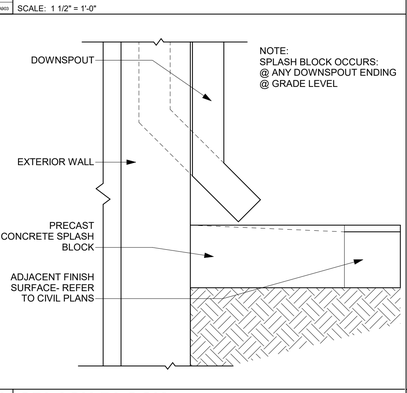
13 FIBER CEMENT WALL AT FINISH GRADE

A412 A603 SCALE: 3" = 1'-0"



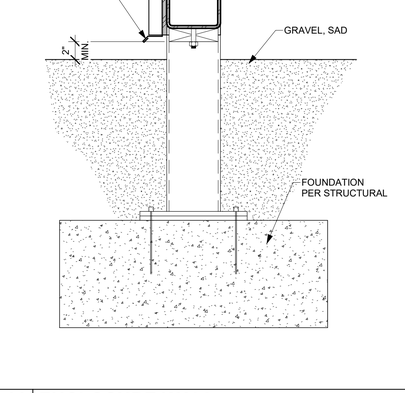
64 ELECTRICAL YARD GATE

A603 SCALE: 1/2" = 1'-0"



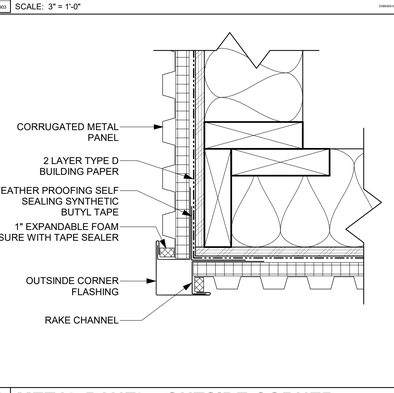
54 SPLASH BLOCK

A603 SCALE: 1 1/2" = 1'-0"



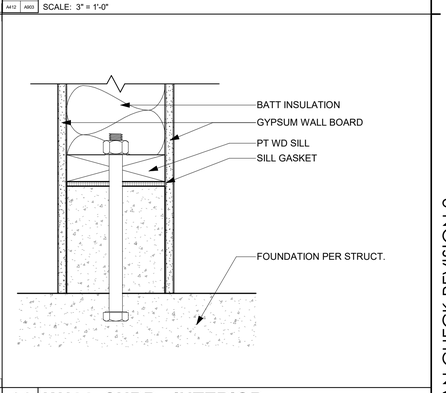
44 ENCLOSURE WALL

A2 A603 SCALE: 1 1/2" = 1'-0"



34 METAL PANEL - OUTSIDE CORNER

A603 SCALE: 3" = 1'-0"



14 WALL CURB - INTERIOR

A603 SCALE: 3" = 1'-0"

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rrmdesign.com | (805) 543-1794
3765 SOUTH HIGUERA STREET SUITE 102
SAN LUIS OBISPO, CA 93401

LICENSED ARCHITECT
JENNIFER SCOTT LUPTON
C39678
10-31-25
RENEWAL DATE
STATE OF CALIFORNIA

CONSULTANT

AGENCY

FOURTH ST COMMUNITY CENTER AND PARK
HENDERSON AVE., PORTERVILLE, CA 93257

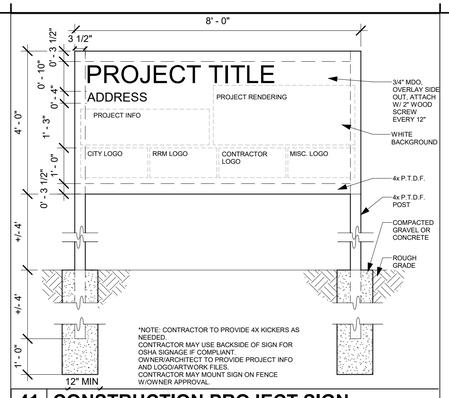
ARCHITECTURAL DETAILS - EXTERIOR

NO.	REVISION	DATE
1	PLAN CHECK REVISION 1	05/17/24
3	ADDENDUM 4	11/27/24
4	ADDENDUM	11/08/24

PROJECT MANAGER TSL
DRAWN BY MC, NA, PM
CHECKED BY DD, KF
DATE 2024.11.15
PROJECT NUMBER 2883-01-RC22
SHEET A903

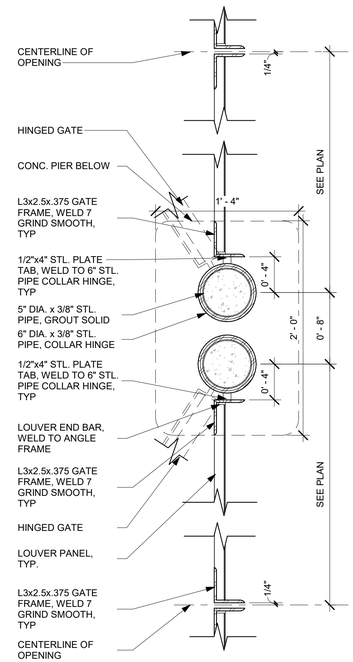
PLAN CHECK REVISION 2

11/27/2024 6:03:44 PM
Autodesk Docs://2883-01_Porterville Fourth St Community Center/2883-01-RC22_Porterville_v22.rvt



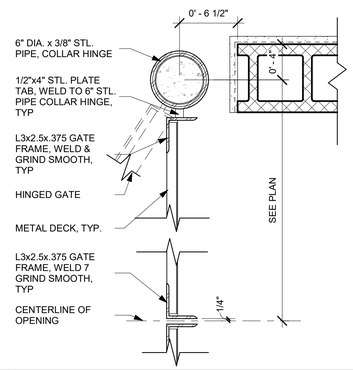
41 CONSTRUCTION PROJECT SIGN

A911 SCALE: 1/2" = 1'-0"



32 TRASH ENCLOSURE POST @ CENTER

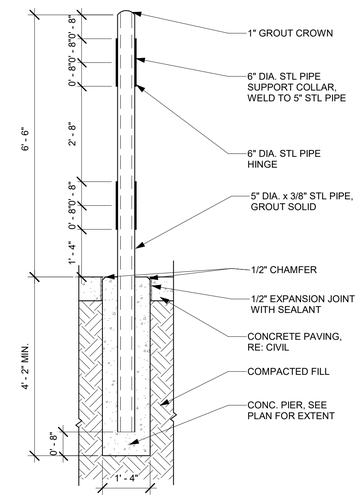
A911 SCALE: 1 1/2" = 1'-0"



33 TRASH ENCLOSURE POST @ CORNER

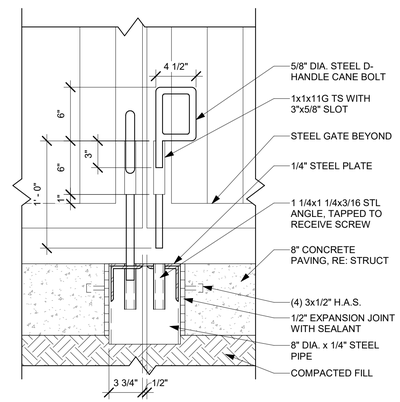
A5102 A911 SCALE: 1 1/2" = 1'-0"

3

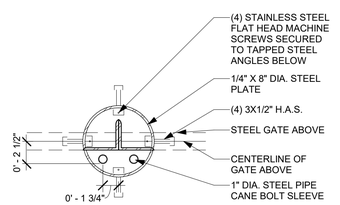


22 GATE SUPPORT POST SECTION

A911 SCALE: 1/2" = 1'-0"



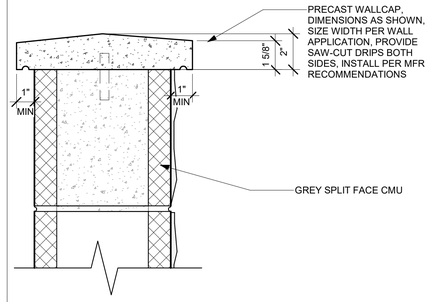
SECTION



PLAN

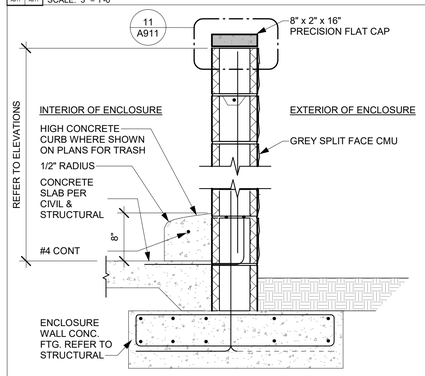
24 CANE BOLT DETAIL

A5102 A911 SCALE: 1 1/2" = 1'-0"



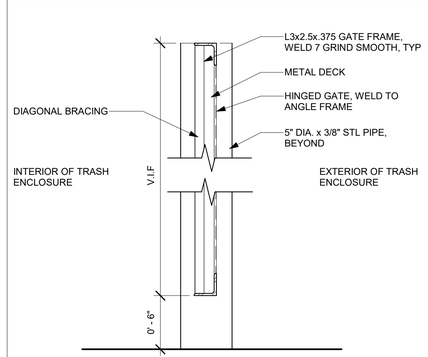
11 PRECAST CAP @ SITE WALL

A911 A911 SCALE: 3" = 1'-0"



12 CMU ENCLOSURE/ SITE WALL

A5102 A911 SCALE: 1" = 1'-0"



13 GATE SECTION

A911 SCALE: 1 1/2" = 1'-0"

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LICENSED ARCHITECT
TAMARA SCOTT LUPOLD
C39678
10-31-25
RENEWAL DATE
STATE OF CALIFORNIA

CONSULTANT

AGENCY

FOURTH ST COMMUNITY CENTER AND PARK
HENDERSON AVE., PORTERVILLE, CA 93257

ARCHITECTURAL DETAILS - SITE

NO.	REVISION	DATE
3	ADDENDUM 4	11/27/24

PROJECT MANAGER
TSL

DRAWN BY
MC, NA, PM

CHECKED BY
DD, KF

DATE
2024.11.15

PROJECT NUMBER
2883-01-RC22

SHEET
A911

PLAN CHECK REVISION 2

11/27/2024 6:03:45 PM
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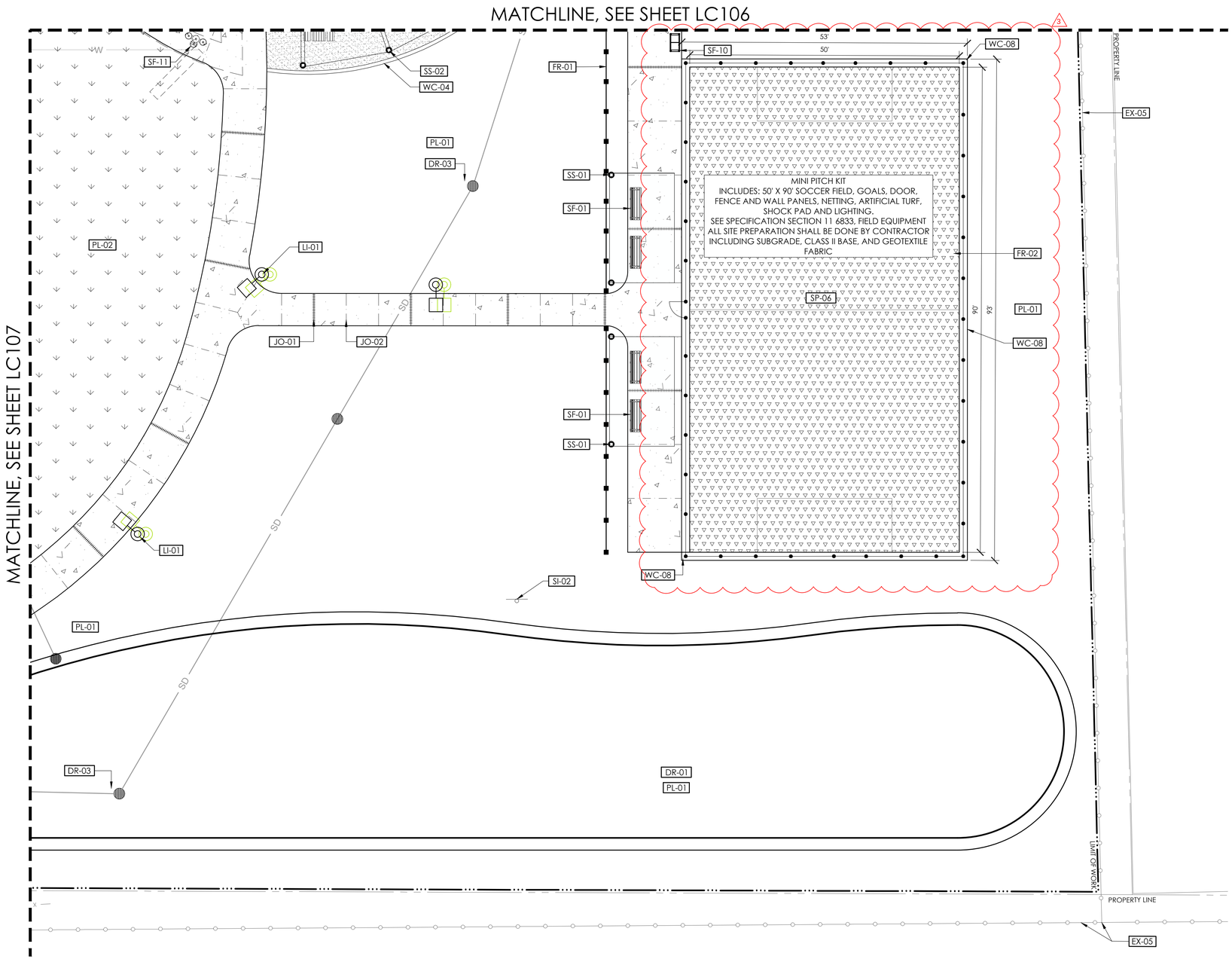


CONSTRUCTION SCHEDULE - AREA 8

PAVING AND SURFACING (PA)

CODE	DESCRIPTION	DETAIL
	SIDEWALK CONSTRUCTION	
	SYNTHETIC TURF	3/LC501
	STABILIZED DECOMPOSED GRANITE COLOR: CALIFORNIA GOLD	1/LC501

JOINTING (JO)

CODE	DESCRIPTION	DETAIL
JO-01	EXPANSION JOINT	
JO-02	CONTROL JOINT	

WALLS AND CURBS (WC)

CODE	DESCRIPTION	DETAIL
WC-04	FLUSH CURB AT DECOMPOSED GRANITE	5/LC501
WC-08	MINI PITCH CONCRETE PERIMETER	4/LC503

SITE FURNISHINGS (SF)

CODE	DESCRIPTION	DETAIL
SF-01	BENCH TYPE 1: BACKED BENCH	
SF-10	WASTE & RECYCLING RECEPTACLE	
SF-11	PEDESTAL BOTTLE FILLER/DRINK FOUNTAIN	

FENCES, RAILINGS, AND GATES (FR)

CODE	DESCRIPTION	DETAIL
FR-01	WOOD RAIL FENCE	2/LC503
FR-02	MINI PITCH FENCE	

SITE STRUCTURES (SS)

CODE	DESCRIPTION	DETAIL
SS-01	SHADE STRUCTURE AT MINI PITCH	
SS-02	CANTILEVERED SHADE STRUCTURE AT PICNIC & SPLASHPAD	

DRAINAGE AND BIO-RETENTION (DR)

CODE	DESCRIPTION	DETAIL
DR-01	BIORETENTION AREA	
DR-03	DRAIN INLET	

PLANTING AND IRRIGATION (PL)

CODE	DESCRIPTION	DETAIL
PL-01	PLANTER AREA SEE LP101-110 AND LI101-110	
PL-02	TURF AREA SEE LP101-110 AND LI101-110	

SITE LIGHTING AND ELECTRICAL (LI)

CODE	DESCRIPTION	DETAIL
LI-01	POLE LIGHT SEE EG101	

SIGNAGE AND STRIPING (SI)

CODE	DESCRIPTION	DETAIL
SI-02	RECYCLED WATER SIGN	7/LC503

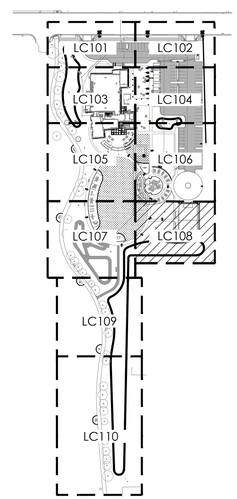
SPECIALTY (SP)

CODE	DESCRIPTION	DETAIL
SP-06	MINI PITCH KIT	

EXISTING TO REMAIN (EX)

CODE	DESCRIPTION	DETAIL
EX-05	FENCING, PROTECT IN PLACE	

KEYMAP



*HATCHED AREA REPRESENTS CURRENT SHEET

1"=200'

0 5 10 20 30 feet

1"=10'

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SAN LUIS OBISPO, CA 93401

LICENSED LANDSCAPE ARCHITECT
LANCE WIERSCHEM LIC. #6210
SIGNATURE
07.31.2026
EXPIRATION DATE
STATE OF CALIFORNIA

CONSULTANT

AGENCY

PLAN CHECK REVISION 2

FOURTH ST COMMUNITY CENTER AND PARK
HENDERSON AVE., PORTERVILLE, CA 93257

CONSTRUCTION PLAN

NO.	REVISION	DATE
3	ADDENDUM 4	11/27/24

PROJECT MANAGER: LW
DRAWN BY: DK
CHECKED BY: LW
DATE: 2024.09.19
PROJECT NUMBER: 2883-01-RC22
SHEET: LC108

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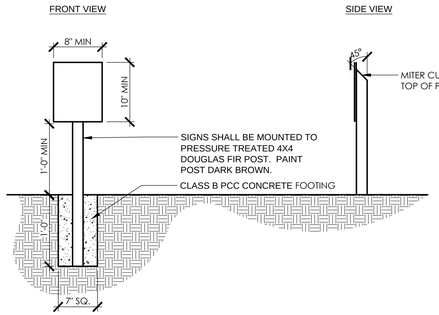
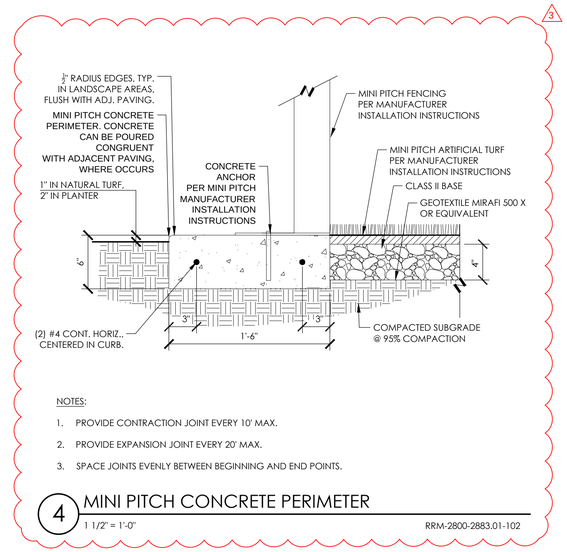


NOTES:

1. ALL SIGNS SHALL BE SIGN GRADE ALUMINUM, .080" THICK, WITH WHITE LETTERS ON A PURPLE BACKGROUND. SIGNS SHALL INCLUDE LANGUAGE STATING THAT "RECYCLED WATER" IS USED FOR IRRIGATION, SHALL CONTAIN THE THE WARNING "DO NOT DRINK", AND SHALL INCLUDE THE INDUSTRY STANDARD SYMBOL.
2. ALL MOUNTING HARDWARE SHALL BE GALVANIZED STEEL.
3. SIGN LETTERS SHALL BE REFLECTIVE MATERIAL.
4. HEIGHT OF SIGNS WILL DEPEND ON LOCATION AND SURROUNDING LANDSCAPE PLANT TYPES. IN ALL CASES, SIGN SHALL BE VISIBLE TO THE PUBLIC.

7 RECLAIMED WATER SIGN

1" = 1'-0" RRM-2800-2883.01-73

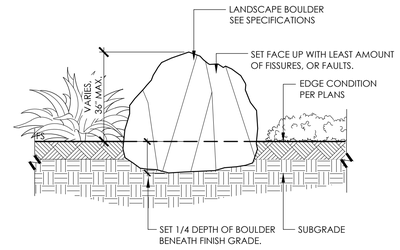


NOTES:

1. PROVIDE CONTRACTION JOINT EVERY 10' MAX.
2. PROVIDE EXPANSION JOINT EVERY 20' MAX.
3. SPACE JOINTS EVENLY BETWEEN BEGINNING AND END POINTS.

4 MINI PITCH CONCRETE PERIMETER

1 1/2" = 1'-0" RRM-2800-2883.01-102



BOULDER SIZING:

PROVIDE QUANTITIES OF BOULDERS AS SHOWN ON PLANS. BOULDER SIZES ARE LABELED ON PLANS PER THE SYMBOLS SHOWN BELOW.

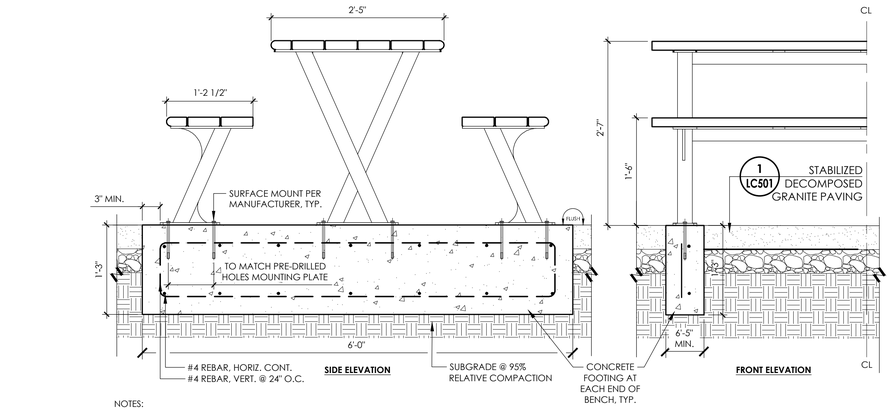
SYMBOL	SIZE RANGE (H, L & W)
A	36" X 48" X 48"
B	48" X 60" X 60"

NOTES:

1. LANDSCAPE ARCHITECT TO APPROVE BOULDERS AT QUARRY OR SUPPLIER, OR FROM PHOTOGRAPHS THAT CLEARLY SHOW SIZE AND SHAPE.
2. DUE TO THE NONSTANDARD SIZE AND SHAPE OF BOULDERS, THESE SIZES SHOULD BE USED AS A REFERENCE WHERE THE ACTUAL SIZES ARE WITHIN SPEC.
3. PLACE BOULDERS UNDER DIRECTION OF LANDSCAPE ARCHITECT.

3 LANDSCAPE BOULDERS

1/2" = 1'-0" RRM-2800-2883.01-01

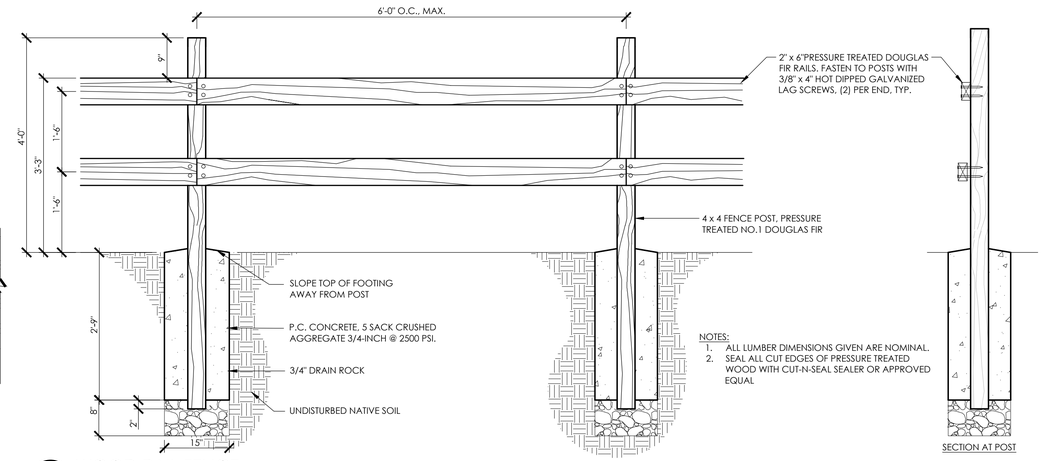


NOTES:

1. BENCHES SHALL BE INSTALLED LEVEL, AND PER MANUFACTURER SPECIFICATION. REFER TO ANOVAFURNISHINGS.COM FOR MORE INFORMATION.

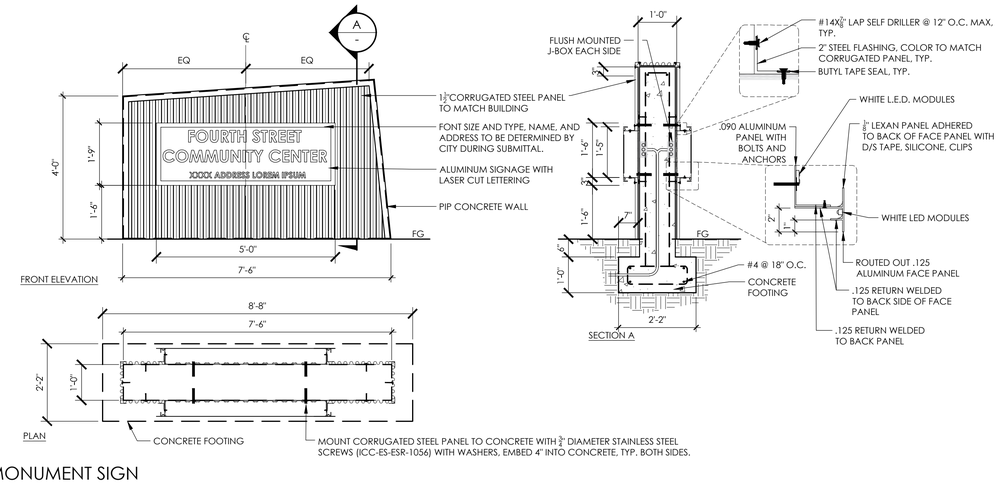
6 BENCH ON FOOTING IN DECOMPOSED GRANITE

1" = 1'-0" RRM-2800-2883.01-66



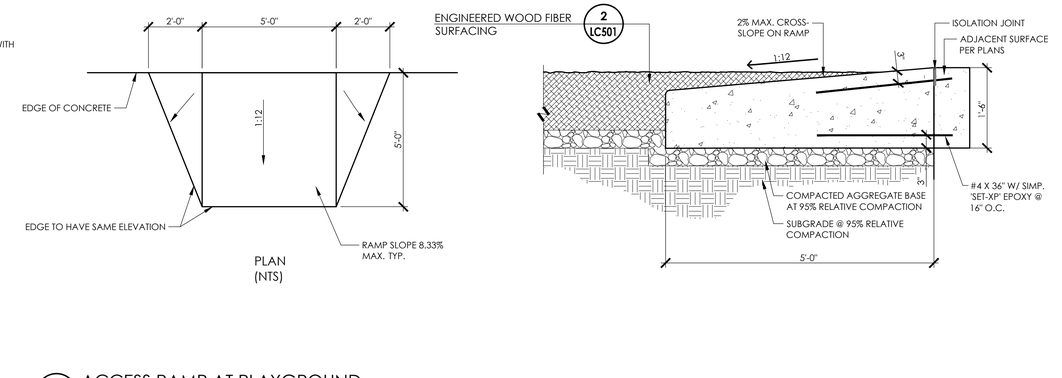
2 WOOD RAIL FENCE

3/4" = 1'-0" RRM-2800-2883.01-43



5 MONUMENT SIGN

1/2" = 1'-0" RRM-2800-2883.01-49



1 ACCESS RAMP AT PLAYGROUND

3/4" = 1'-0" RRM-2800-2883.01-22

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SAN LUIS OBISPO, CA 93401

LICENSED LANDSCAPE ARCHITECT
LANCE WIERSCHEM LIC. #6210
07.31.2026
RENEWAL DATE
STATE OF CALIFORNIA

CONSULTANT

AGENCY

FOURTH ST COMMUNITY CENTER AND PARK
HENDERSON AVE., PORTERVILLE, CA 93257

CONSTRUCTION DETAILS

NO.	REVISION	DATE
3	ADDENDUM 4	11/27/24

PROJECT MANAGER LW
DRAWN BY DK / AB
CHECKED BY LW
DATE 2024.09.19
PROJECT NUMBER 2883-01-RC22
SHEET LC503

PLAN CHECK REVISION 2

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Section 21 1313
Wet-Pipe Fire Sprinkler System

PART 1 GENERAL

1.01 Work Included – Work includes, but is not necessarily limited to:

1. Fabricate, install, and secure necessary approvals for the Automatic Fire Sprinkler System for the Porterville Community Center in Porterville, California. The fire sprinkler system is to include fire sprinkler coverage throughout the new Building as shown on the Construction Documents. Install a complete fire protection system acceptable to the authorities having jurisdiction for the proposed system.

2. Provide all materials and equipment, and perform all labor required to provide shop drawings and install complete fire protection system from the fire sprinkler riser locations indicated on the fire sprinkler system construction document sheets continuing throughout the buildings per the construction documents in accordance with this specification, the current adopted edition of the CBC, CFC, NFPA 24, NFPA 13, and Porterville Fire Department requirements.

3. Provide personnel and materials to perform all acceptance tests, and to assist in inspections. Tests to be witnessed by the Authority Having Jurisdiction.

4. Provide all fire stopping material and installation labor, using UL Listed fire blocking systems, at all fire sprinkler system penetrations of fire rated assemblies.

5. The fire sprinkler system installation is to comply with the basis of design summary for the noted fire areas as indicated on Sheet FS-0.0 of the construction documents, listed under the “DESIGN CRITERIA” heading.

1.2 QUALITY ASSURANCE

A. Contractors and Manufacturers:

1. The performance of the work described in this Section is restricted to established Contractors and Manufacturers specializing in automatic fire sprinkler systems that have satisfactorily completed jobs of this size and type, who are acceptable to the Authority Having Jurisdiction. The Contractor shall hold a valid California C-16 contractor’s license. The Contractor shall demonstrate satisfactory installations of comparable systems within the proceeding five years, and shall supply references.

B. Installation Responsibility:

1. The Contractor is hereby advised that the responsibility for the installation of the fire protection system is totally that of the Contractor, and that all designs and resolutions proposed in their Shop Drawings, calculations and related documentation must be demonstrated not only in the test procedure but also throughout the guarantee period.

2. The System specified herein is for defining design intent, installation intent and minimum performance requirements and may not be downgraded without written consent of the Architect, Owner, and AHJ.

3. See Architect's Construction Documents for location requirements of fire sprinkler system.

4. No changes to AHJ approved drawings are permitted without approval by the architect, engineer, and the AHJ inspection staff.

C. Testing Laboratories: All material and equipment used in the installation of the fire protection systems shall be listed as approved by the Underwriters Laboratories, Inc., List of Fire Protection Equipment and Materials, or approved by other appropriate, nationally recognized testing laboratories for use in sprinkler systems, and shall be the latest design of the manufacturer.

D. Requirements of Regulatory Agencies: Obtain necessary approvals from, have all materials approved by, and comply with requirements of all Authorities Having Jurisdiction.

E. Coordinate and secure installation of fire service line and connect to fire service lateral as required.

F. Comply with the requirements of the 2022 adopted editions of the CBC/CFC, NFPA pamphlets 13 and 24.

1.3 PRODUCTS AND SUBMITTALS

A. Product Data: Complete materials list of items with available finishes proposed to be provided under this Section. The quality of materials required for this installation shall be that which comply with the requirements of the Authority Having Jurisdiction and the 2022 edition of NFPA 13. All materials must be UL Listed for fire protection. All piping shall be free from rust.

B. Shop Drawings:

1. Prior to submitting shop drawings and product submittals to the Architect, indicate any proposed re-locations of the following items on plans and submit to the Architect and Owner for review:

   a. Sprinklers in finished rooms:

   b. Grills and registers:

   c. Light fixtures, speakers, and smoke detectors:

   d. All underground fire service piping, backflow assemblies, thrust blocks and related appurtenances.

2. Required fire sprinkler locations: Per Construction documents, any proposed revisions are to comply with the following:

    a. Corridors and halls: Align sprinklers symmetrically so as not to conflict with other ceiling items.

    b. Rooms: Center sprinklers in-line with other ceiling devices.

    c. Acoustical tile or panel ceilings: Locate sprinklers in center of tile or panel.

3. Architect will review layout and may relocate or add sprinklers to achieve an orderly pattern of ceiling elements, at the Contractors sole expense.

4. If required by Architect, meetings will be held at their office to coordinate locations of sprinklers with other ceiling elements.

5. After obtaining Architect approval of sprinkler locations, prepare final shop drawings and product submittals for review by the Architect. Indicate all elements indicated in paragraph 1.3, B, 1 above, and any other required information.

C. Project Record Documents:

1. Submit three (3) copies of Project Record Documents

2. Contractor to provide a completed and signed NFPA 13 Contractors Material and Test Certificate upon acceptance of the system by the Authority Having Jurisdiction.

D. Operation/Maintenance Data And Warranty:

1. Upon completion of this portion of the Work, and as a condition of its acceptance, deliver to the Owner and the Architect (3) copies of an Operation and Maintenance Manual. Include in each copy of the Manual of a copy of the Project Record Documents

2. The Contractor shall provide a minimum warranty of one year after final inspection and sign-off of the fire sprinkler system, including all parts, materials of construction and labor for the installation.

E. General Piping Requirements

1. Underground Piping: Provide an installation which is complete in all regards including, but not necessarily limited to:

    a. Provide fire service supply piping per Civil Engineers' water utility plans, Sheet and FS-1.0, and site water line specification.

    b. Connections from main to base of riser shall be as shown on project drawings.

c. When using approved PVC piping for underground supply piping, a transition shall be made to ferrous pipe shall be accomplished at the following locations:

1) A minimum distance of five feet from a 90-degree elbow designed to supply a sprinkler riser.

2) A minimum distance of five feet from the underground elbows on the supply and service side of an above ground exterior check valve and other above grade exposed piping, fittings, connections, or valves.

3) A minimum distance of five feet prior to entering a building.

4) A minimum distance of five feet prior to passing under or through a footing or retaining wall.

2. Above Grade Piping – All pipe shall be made in the USA domestically manufactured, and shall be UL Listed for Fire Protection System installation.

a. Flanged fittings shall be used at above grade exterior locations.

b. Connections and fittings shall be threaded, flanged, grooved, or welded. Grooveless clamp or saddle fittings are not acceptable. Fittings and couplings shall be Class 125 (standard) weight minimum.

F. Fire Sprinklers:

1. In soffits and interior ceilings: Victaulic Semi-Recessed or Concealed Quick Response Pendents (finish selected by architect) or approved equal, per fire sprinkler system construction document plans.

2. In hard ceilings: Victaulic Semi-Recessed or Concealed Quick Response Pendents (finish selected by architect) or approved equal, per fire sprinkler system construction document plans.

3. Sidewall interior sprinkler to be Victaulic Quick Response (finish to be selected by Architect) or approved equal.

4. Concealed and open roof spaces: Victaulic Quick Response upright or pendents, brass finish, as approved for use.

G. Fire Sprinkler System Piping:

1. Pipe sized 1” thru 2”: Use domestically manufactured Schedule 40 black steel pipe with threaded, banded cast or malleable iron fittings, or equivalent, UL Listed for fire protection.

2. Pipe sized 2 ½” thru 8”: Use domestically manufactured Schedule 10 black steel pipe with welded and/or grooved cast iron fittings of required pressure rating, UL Listed for fire protection.

3. Piping sized 8" and larger to be Schedule 10, UL Listed steel piping.

H. Fire Department Connection (FDC)

1. Provide appropriate sized (four inch or larger, depending on system design) freestanding pipe mount, cast brass FDC with 2-1/2-inch individually clappered fire department inlet connections with breakable cast iron domed caps, one-inch cast lettering. The Fire Department Connection shall be Potter Roemer Standard No. 5500 series, UL listed with a finish as selected by the Architect.

2. Fire department connection shall be located where indicated on Sheet C-1.0 Note: Where conditions do not permit, the fire department connections shall be placed where readily accessible in case of fire and not liable to injury or fire exposure. All fire department connection locations shall be approved by the Authority Having Jurisdiction.

3. Where subject to mechanical injury, protection shall be provided. The means of protection shall be approved and shall be arranged in a manner, which will not interfere with the connection to inlets.

4. Maintain a 36-inch clear radius around the fire department connection. Grade variation within this radius shall not exceed 1:12. The fire department connection shall be arranged so that hose lines can be readily and conveniently attached to inlets without interference from any nearby objects including buildings, fences, posts, or other fire department connections.

5. The fire department connection shall be clearly visible from the street and provided with identification sign as approved by the School District Representative.

I. Supervisory switch: Designed so that it will operate between the first and second revolution of the valve control wheel or when the stem moves no more than one fifth of the distance from its normal position or if the unit is removed from its mounting.

J. Flow switch: All wetted parts of brass or stainless steel. Flow switch to be complete with retard setting providing 30 second delay before actuating.

K. Valves: U.L. listed Kennedy, Nibco or Stockham or approved alternate. Valves shall be rated for minimum 175 psi working pressure zones.

L. Pressure gauge: Bourdon spring pressure type with non-corrodible movements, set in cast iron case with black flange and with rings of pressed brass, flared type construction. Cases and rings black enamel finish. Gauges shall have 4-1/2" dials with white background, black lines, and figures, calibrated for 2 times working pressure. Installation: Each gauge connected to its respective pipe line located where shown and at inlet and outlet of each pump, by means of suitable brass pipe, pigtails and fittings containing a brass cock, Ashcroft, U.S. Gauge Company or Crosby.

M. Piping Seismic Separation Joints, where required, shall be Metraloop-Fireloop UL Listed Flexible Expansion Loops, as manufactured by the Metraflex Company Chicago, Illinois.

N. Sprinkler Cabinet

1. Provide cabinet containing spare sprinklers and equipment of the following type and number installed at an interior location nearest the wall at the system riser, in an accessible location as directed by Architect, and as approved by AHJ. Provide 6 sprinklers of each type used in the installation, with sprinkler wrenches.

2. The cabinet shall be distinctly labeled, designating the type and quantity of equipment it contains.

1.4 INSTALLATION AND EXECUTION

A. Install the work of this Section in strict accordance with the reviewed Shop Drawings and the requirements of the Division of State Architect and other Authorities Having Jurisdiction. Relocate any sprinklers not aligned with other ceiling fixtures or outlets at Contractors sole expense.

B. Coordinate routing of sprinkler piping with all other trades that will be affected by the installation of the fire sprinkler system so as to avoid interferences. The cost of any field to work in place due to incomplete or inaccurate coordination revisions with other trades will be the responsibility of the Contractor

C. Maintain maximum clearances above ceilings. All piping to be concealed unless specifically noted otherwise on the plans.

D. Install drains on main risers and auxiliary drains in accordance with standard practices and local ordinances. Install one Inspector's Test drain on each system and discharge to an approved exterior location where indicated on the project drawings and approved by the Architect.

E. Access: Do not locate any device requiring access in walls or above ceilings of public areas without Architect's prior approval. Provide access doors complying with specifications and signs for all concealed devices.

F. Piping, Hangers, Supports, Anchors and Sleeves: Install in complete accordance with NFPA 13 requirements, using UL Listed components by Cooper B-Line.

G. Install all horizontal piping so as to run parallel to or perpendicular to the building walls, unless otherwise shown on the Drawings or approved by the Architect. Do not install sprinkler piping that obstructs any door openings.

H. Guide and support all vertical risers or piping in accordance with standard practice. Fabricate and construct pipe joints so that they produce a true alignment of the pipe. Ream all pipe ends. Construct welded pipe joints in accordance with applicable codes.

I. Run all piping in such a manner as to provide appropriate flexibility with respect to expansion and contraction. In general, accomplish this with flexible couplings, expansion loops and/or leads from mains with proper lengths and appropriate fittings. Anchor piping is required.

J. Where exposed piping penetrates the floors, walls, or ceiling of finished areas, provide chromium plated pipe escutcheons at the penetrations.

K. Provide pipe sleeves through partitions, walls, and slabs and outside walls for piping furnished and installed under this Section. Extend all vertical pipe sleeves in floor 6" above the finish. Provide Drawings showing openings for proper installation of the work specified.

L. Provide all UL Listed hangers and supports required for the installation. Bracing the pipes to bottom flanges of steel beams is not permitted.

M. Use hot dipped galvanized materials in any exterior or open spaces such as canopies or covered walkways.

N. Clean pipe and fittings and keep interiors clean throughout installation. Provide caps on ends of cleaned piping.

O. Use full pipe lengths; random lengths joined by couplings will not be accepted.

P. Provide for expansion and contraction of all pipes and for seismic movement. Provide reducing fittings for all changes in pipe size; provide fittings for all changes in pipe direction. Riser piping shall be installed plumb with offset fittings used where alignment adjustment is necessary.

Q. Provide unions for pipe sizes below two-inch and flanged or grooved fittings for sizes two-inch and above to permit disconnection of equipment and fixtures.

R. Prepare all piping having welds for Authority Having Jurisdiction inspection prior to installation.

S. On-site fire code welding permits shall be obtained from the Authority Having Jurisdiction.

T. Piping arrangement shall avoid beams, columns, ducts, lighting fixtures, doors, windows, and similar obstructions for openings.

U. All piping that penetrates fire rated construction shall be fire stopped in accordance with these specifications and project drawings.

V. Underground Piping Installation

1. All bolts, nuts, washers, and rodding used for the installation of underground piping, valves, and fittings from the riser flange back to, and including all parts of the water main tap shall be stainless steel conforming ASTM A194 Grade 8M or ASTM A320 Grade B8M. All of the above materials shall be thoroughly coated with bituminous mastic. After coating, all valves and ferrous fittings shall be wrapped in 8-mil polyethylene film and securely taped in place with underground tape. The above materials shall be left visible for inspection by the Authority Having Jurisdiction prior to backfilling.

2. Install in accordance with referenced standards, codes, and manufacturer's instructions, and this specification.

3. Piping shall have a minimum cover of three feet under driveways, fire lanes, roads, streets, and two and one half feet of cover in open areas. Cover shall be measured from finished grade to top of pipe. Provide a six-inch bed of sand below pipe and twelve-inch cover of sand above piping with locator tape on top of the sand.

4. The depth of the bottom of all horizontal piping below grade shall not exceed the level distance measured from the pipe centerline to the nearest top edge of any adjacent building footing, unless approved by the Architect, shall have not less than 3-foot earth coverage.

5. Clearance shall be provided around all piping extending through floors, walls, platforms, and foundations, including drains, fire department connections, and other auxiliary piping, in accordance with the provisions of NFPA 13.

6. After underground work is complete and has been tested in accordance with referenced standards, the contractor shall complete a NFPA 24 Contractor's Material and Test Certificate for Private Fire Service Mains and provide it to the School District Representative.

7. Installation of underground water piping shall include concrete thrust blocks and anchors where vertical or horizontal deflection is 45 degrees or more, or at the intersection lines. Thrust block locations, design, and installation shall be in accordance with NFPA 24.

W. Fire-Stopping: Fire stop all holes or voids created by penetrations of the Fire Sprinkler System piping through fire rated construction, with UL Listed Fire Stop / Block Systems appropriate for the rated construction penetration.

1.5 TESTING

A. All tests described and referenced in these specifications shall be performed by the Contractor in the presence of the Authority Having Jurisdiction and the School District Representative. Tests and inspections shall apply to all water-sourced fire protection systems, including fire hydrants, sprinklers, standpipes, and all underground piping that is installed to supply these systems and devices.

B. Hydrostatic Test Preparation

1. Interior piping shall be filled with water for two (2) hours preceding hydrostatic testing.

2. Piping shall be purged of all air and other gasses prior to hydrostatic testing.

3. Underground piping shall be center loaded and all fittings, joints, strapping, and thrust blocking shall be exposed for hydrostatic pressure testing and inspection.

4. All above grade and interior piping, fittings, sprinklers and supports shall be exposed for inspections and hydrostatic testing.

5. A hydrostatic pre-test shall be conducted for both aboveground and underground piping prior to calling for Authority Having Jurisdiction final acceptance test. Written confirmation of passed 100% pre-test shall be given to the inspector of record prior to calling for final. All cost associated with delays caused by failure to complete 100% operational pre-test shall be borne by the contractor. A Contractors Material and Test Certificate shall be filled out upon completion of testing.

C. Fire department connections and piping shall be included in hydrostatic testing and shall be back flushed until clear water is observed.

D. Underground mains and supply connections to sprinkler risers shall be flushed thoroughly before connections to sprinkler systems.

E. Tests of drainage facilities shall be conducted by opening each drain valve while the system control valves are open to the supply.

F. All water level sensors, alarm and supervisory signals, tanks and automatic valves shall be performance tested.

G. Water remaining in normally dry piping shall be evacuated at completion of testing.

H. Contractor to provide to the Owner completed copies of the forms depicted in Figure 25.1 "Contractor's Material and Test Certificate for Above Ground Piping" of the 2022 Edition of NFPA 13, upon completion of the system installation and approval by the AHJ.

END OF SECTION 211313

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