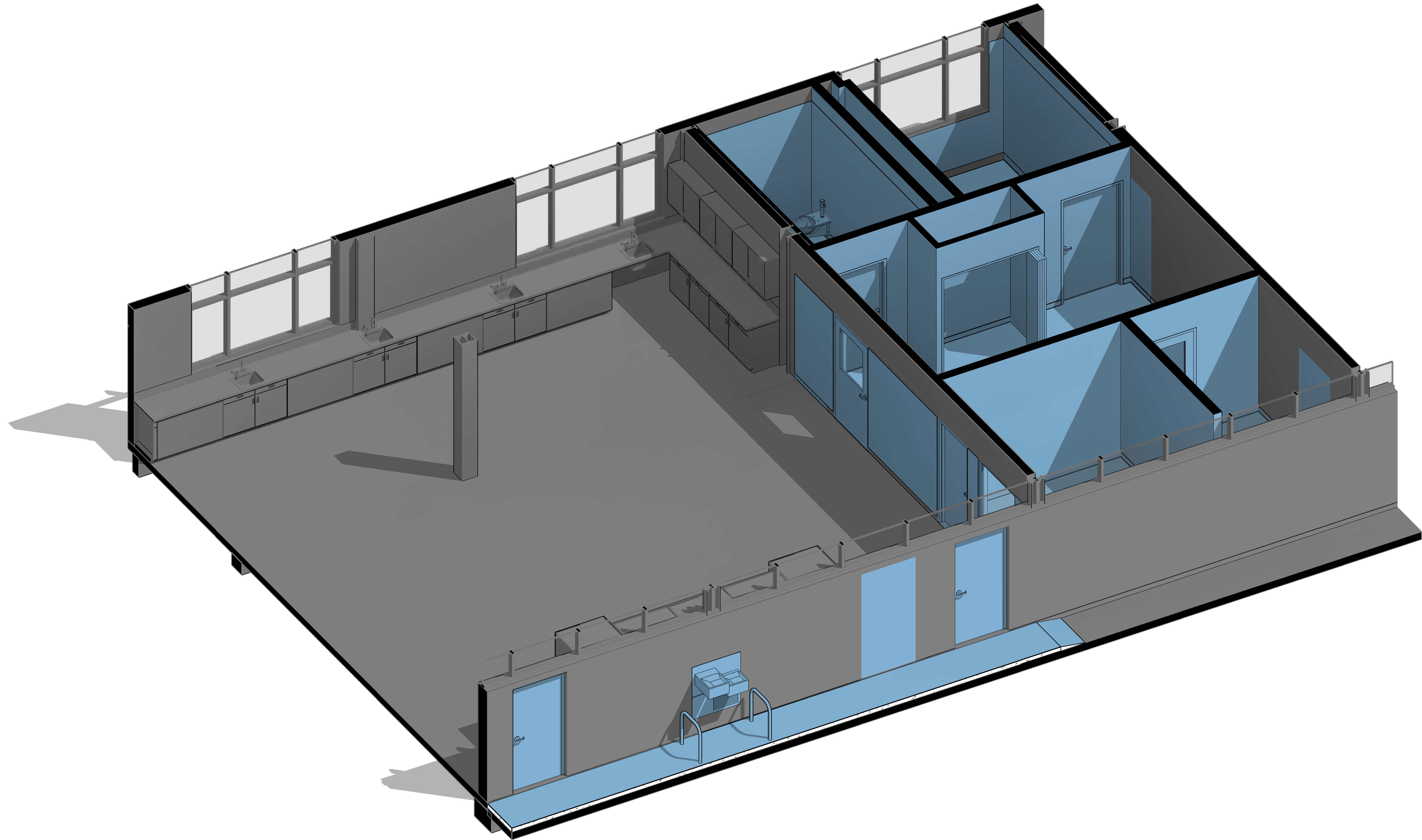




SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
SOUTH SAN FRANCISCO HS -
ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
12/04/2025
CONSTRUCTION DOCUMENTS
FILE NO.41-H6 - 01-122274

AGENCY APPROVAL: DSA 01-122274

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122274 INC:
REVIEWED FOR:
SS ☒ FLS ☒ ACS ☒
DATE: 01/26/2026

196

185 CLARA STREET, SUITE 101A
SAN FRANCISCO, CA 94107
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FIRE PROTECTION ENGINEER
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NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE
COVER SHEET

SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB JOB NUMBER: 24411.01

SHEET NO.

G-000

FILE LOCATION: Autodesk Docs:/24411 South SF High School - Special Needs/24411.01 SSFHS BLDG C SPED_A24.rvt
DATE PLOTTED: 12/3/2025 4:33:45 PM

CONSTRUCTION DOCUMENTS



810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

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

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

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

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

PROJECT INFORMATION			
School District/Owner: SOUTH SAN FRANCISCO SCHOOL DISTRICT			
Project Name/School: SOUTH SAN FRANCISCO HIGH SCHOOL			
Project Address: 400 B St, South San Francisco, CA 94080			
FIRE & LIFE SAFETY INFORMATION			
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes ☐	No ☒	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☐	No ☒	
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes ☐	No ☒	
Refer to the following website for FHSZ locations: Fire Hazard Severity Zones - Fire Responsibility Area			Moderate ☐ High ☐ Very High ☐
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA ☐

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

School District Acceptance of Acceptable Design Alternates

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

Accepted by: Wazi Chowdhury Title: Director of Facilities/Safety

Signature: Wazi Chowdhury Digitally signed by Wazi Chowdhury Date: 2025.12.03 12:31:05 -0800 Date: 12/03/25

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	
LFA Reviewer's Signature: _____ Date: _____	

KEYNOTES

LEGEND - SITE PLAN

- (E) 20'-0" WIDE EMERGENCY VEHICLE ACCESS PER DSA APPL #01-115557, #01-113794
- ALL PORTIONS OF THE EXTERIOR WALLS OF THE AREA-OF-WORK BUILDING ARE ACCESSIBLE FROM THE ACCESS ROAD (PER CFC§503.1.1)
- DRIVING SURFACE CAPABLE OF SUPPORTING 75,000 LBS (PER CFC§D102)
- SCHOOL PROPERTY LINE
- LIMITS OF BUILDING ALTERATION WORK FOR SITE IMPROVEMENTS. REFER TO SITE ENLARGED PLANS.
- (E) BUILDING
- HOSE MAX. LENGTH FROM HYDRANT
- HOSE MAX. LENGTH FROM FIRE LANE
- ACCESSIBLE EGRESS PATH TO PUBLIC RIGHT OF WAY AND/OR SAFE DISPERSAL AREA
- (E) FIRE HYDRANT
- 200 FT MAX DIST. FROM HYDRANT TO FIRE ROAD PER CFC TBL C105.1 (REDUCE FOR DEAD END STREET CONDITION)
- FDC
- FDC AND PIG LOCATIONS
- REMOVABLE PIPE BOLLARD

NOTE: ALL FIRE HYDRANTS ARE EXISTING TO REMAIN

AGENCY APPROVAL: DSA 01-122274

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PROJECT OWNER & TITLE
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE
FIRE ACCESS PLAN

SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB JOB NUMBER: 24411.01

SHEET NO.

G-100

PARKING CALCULATIONS PROVIDED FOR REFERENCE ONLY, NO NEW WORK AT EITHER PARKING FACILITY ALTERING THE NUMBER OF STALLS PER THIS APPLICATION
*** NON-COMPLIANT (E) ACCESSIBLE EVCS STALL**

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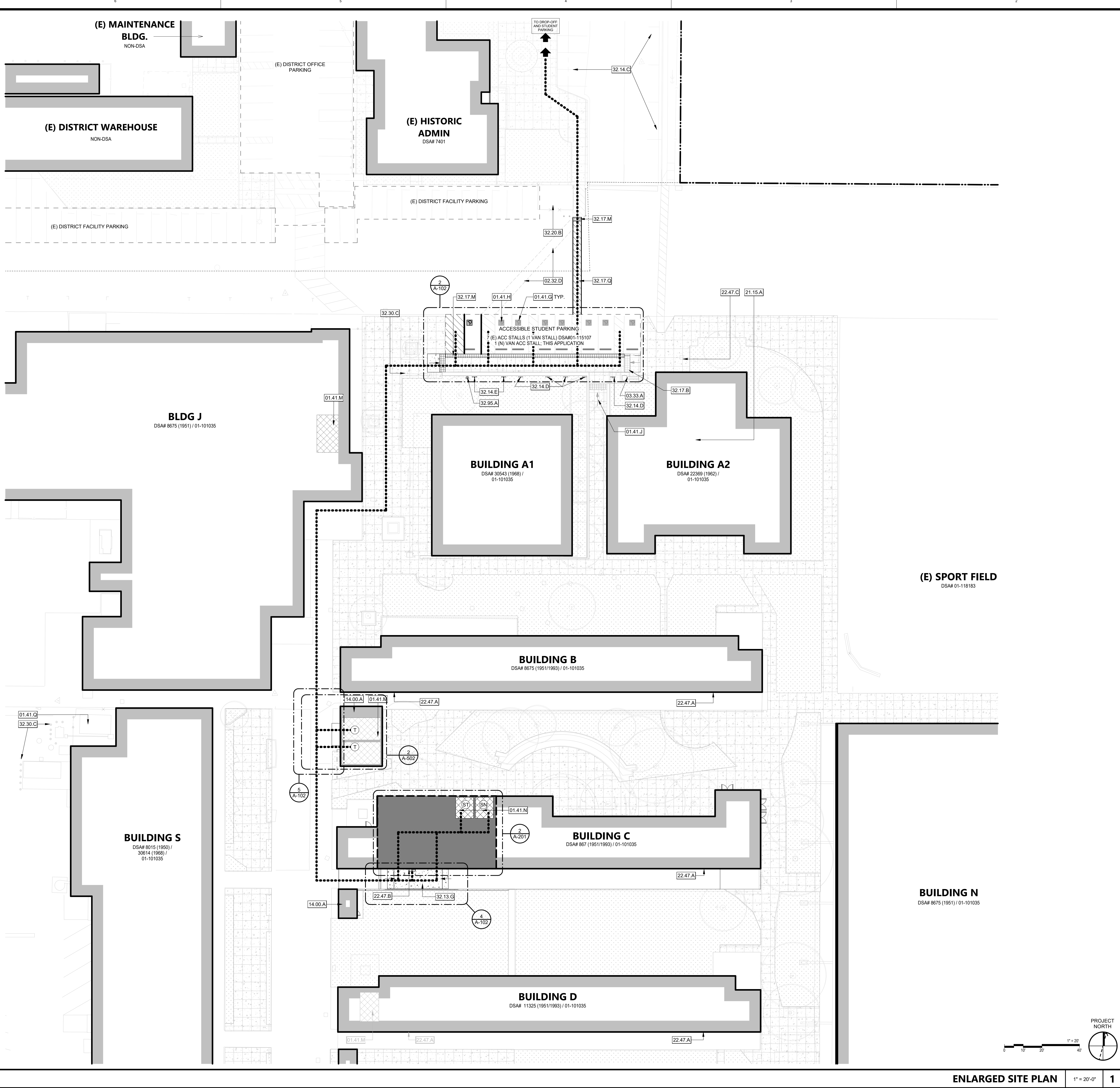
DATE SIGNED: 12/04/2021



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1" = 60'-0"	
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DATE PLOTTED: 12/3/2025 4:34:01 PM FILE LOCATION: Autodesk Docs://24411 South SF High School - Special Needs/24411.01 SSFHS BLDG C SPED_A24.rvt



KEYNOTES	
01.41.G	(E) STANDARD ACCESSIBLE PARKING SPACE, TO REMAIN
01.41.H	(E) VAN ACCESSIBLE PARKING SPACE, TO REMAIN
01.41.J	(E) CURB RAMP TO REMAIN; NOT IN SCOPE, NOT IN P.O.T.; DSA #01-115107.
01.41.M	(E) STAFF RESTROOMS. DSA #59166
01.41.N	(E) ACCESSIBLE MULTI-STALL STUDENT RESTROOMS TO BE DEMOLISHED AND CONVERTED TO SINGLE USER WITHIN THIS APPLICATION
01.41.Q	(E) PG&E TRANSFORMER
02.32.D	(E) NON-COMPLIANT CROSS WALK STRIPING TO BE REMOVED ENTIRELY.
03.33.A	(E) CAST-IN-PLACE CONCRETE SCHOOL MONUMENT SIGN
14.00.A	(E) ELEVATOR TO REMAIN
21.15.A	(E) FIRE ALARM CONTROL PANEL
22.47.A	(E) HI-LOW DRINKING FOUNTAIN
22.47.B	(N) HI-LO DRINKING FOUNTAIN REPLACING EXISTING. SEE DETAIL 2/A-701
22.47.C	(E) NON-ACCESSIBLE DRINKING FOUNTAIN TO REMAIN, NOT IN PROJECT SCOPE, NO NEW WORK.
32.13.G	(N) CONCRETE
32.14.C	(E) PARKING STALL AND SIGNAGE
32.14.D	(E) SIGN ADA PARKING SPACE. DSA #01-115107
32.14.E	(N) SIGN ADA PARKING SPACE VAN ACCESSIBLE. SEE DETAIL 9/A-102
32.17.B	(E) 36" WIDE TRUNCATED DOMES BAND TO REMAIN, DSA #01-115107
32.17.M	(N) 36" WIDE TRUNCATED DOMES BAND; TRUNCATED DOMES PER DETAIL 9/A-101
32.17.Q	(N) P.O.T. STRIPING, WHITE BORDER OVER WHITE DIAGONAL STRIPES, 4" THICK STRIPES, TYP. DIAGONAL STRIPES TO BE 36" APART O.C. TYP.
32.20.B	(E) BICYCLE PARKING ENCLOSURE, NOT IN SCOPE.
32.30.C	(E) BOLLARDS TO REMAIN TYP. U.N.O.
32.95.A	(E) LIGHT POLE, TO REMAIN, PROTECT FROM ADJACENT WORK

LEGEND - CODE SITE GENERAL NOTES	
1.	ALL NEW CONCRETE AND AC PAVING IN P.O.T. SHALL HAVE 2% MAX. SLOPE IN ALL DIRECTIONS U.N.O. AND SHALL HAVE FLUSH TRANSITIONS TO ALL ADJACENT NEW AND EXISTING WALK SURFACES IN P.O.T.
2.	ALL LANDSCAPE EDGES ALONG NEW WALK SURFACES WITHIN THE P.O.T. SHALL BE DETAILED AND PROVIDED BY THE CONTRACTOR. FINAL DESIGN AND INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
3.	FOR GRATINGS OR STRAINERS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY OR IN P.O.T., THE MAXIMUM GRATE OR STRAINER OPENINGS SHALL NOT EXCEED 1/2" IN THE DIRECTION OF TRAFFIC FLOW.
4.	THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT. THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF FOT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

LEGEND - SITE PLAN	
	ASSUMED PROPERTY LINE
	LIMITS OF WORK
	(E) BUILDING
	(E) EXTERIOR PAVING
	(E) LANDSCAPING
	(E) RESTROOM
	(N) RESTROOM
	(E) FENCE LINE
	PATH OF TRAVEL
	SPECIAL NEEDS ALL-GENDER TOILET ROOM AND CHANGING ROOM
	ACCESSIBLE STUDENT ALL-GENDER TOILET
	ACCESSIBLE ADULT/STAFF TOILET
	(E) ACCESSIBLE RESTROOM - DSA# 01-118182
	(E) TOW AWAY SIGN

KEY PLAN	
PROJECT OWNER & TITLE	
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT	
398 B ST	
SOUTH SAN FRANCISCO, CA 94080	
SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4	
400 B STREET	
SOUTH SAN FRANCISCO, CA 94080	
SHEET TITLE	
CODE ENLARGED SITE PLAN	
SHEET ISSUE DATE: 12/04/25	
DRAWN BY: EW,HB	
JOB NUMBER: 24411.01	
SHEET NO.	
G-102	

AGENCY APPROVAL: DSA

01-122274

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SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

398 B ST

SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4

400 B STREET

SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE

CODE ENLARGED SITE PLAN

SHEET ISSUE DATE: 12/04/25

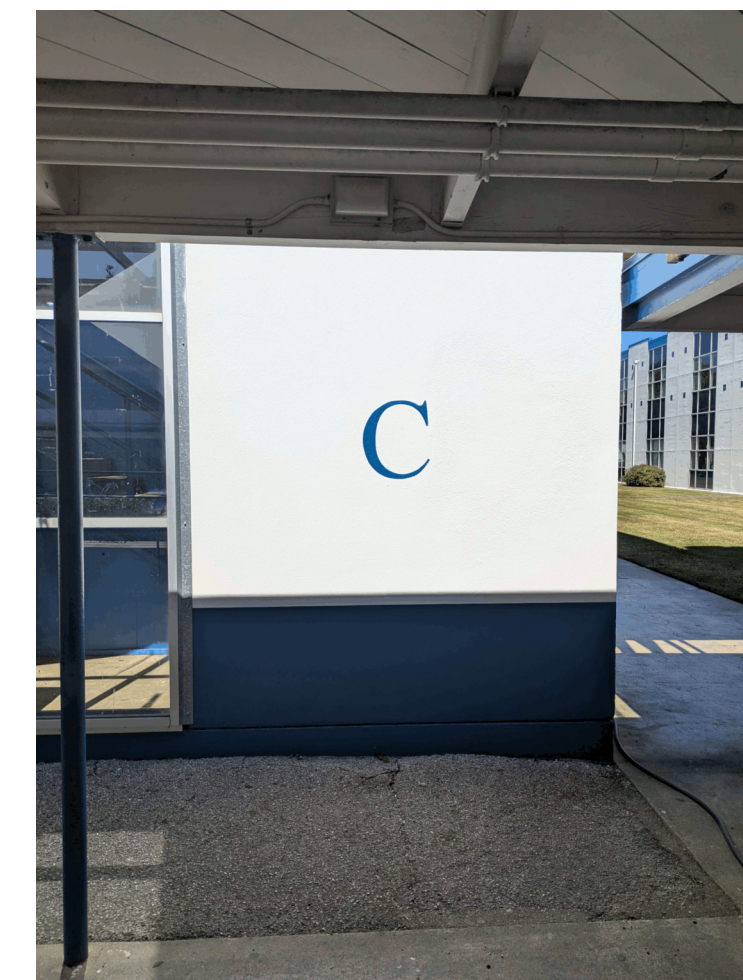
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SHEET NO.

G-102

CONSTRUCTION DOCUMENTS



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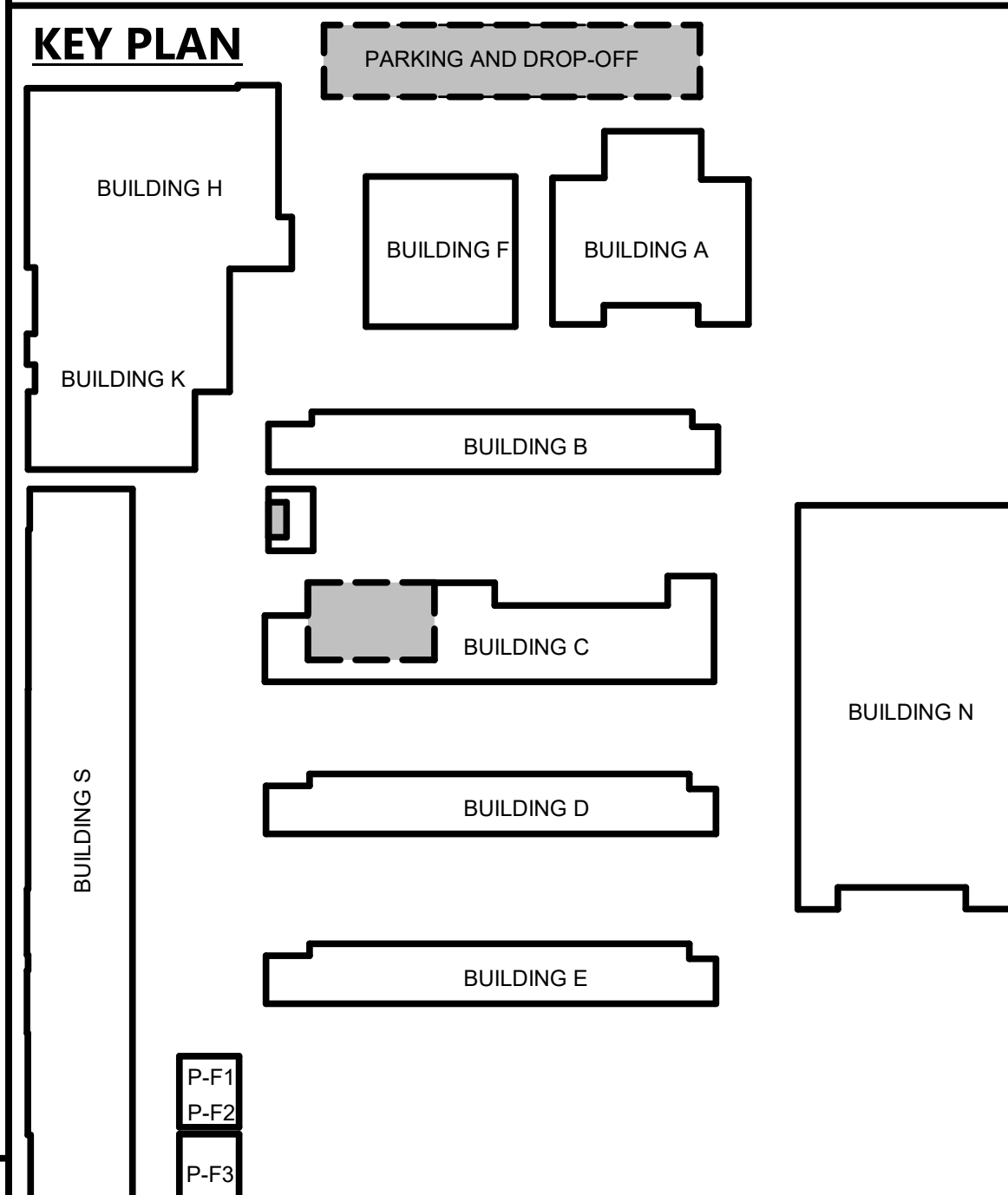

 J. Edgar Hoover

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B-13, AND C-3 & C-4**
400 B STREET
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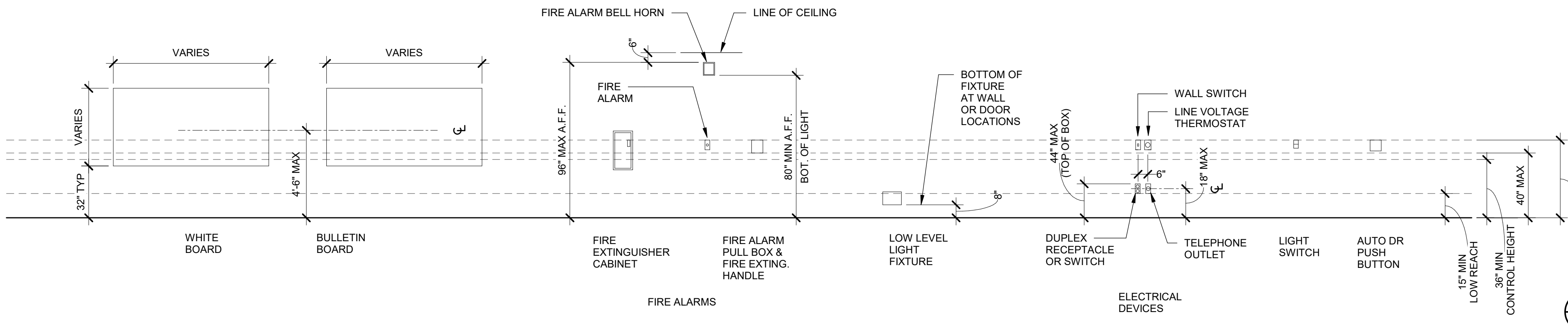
SHEET NC

G-201



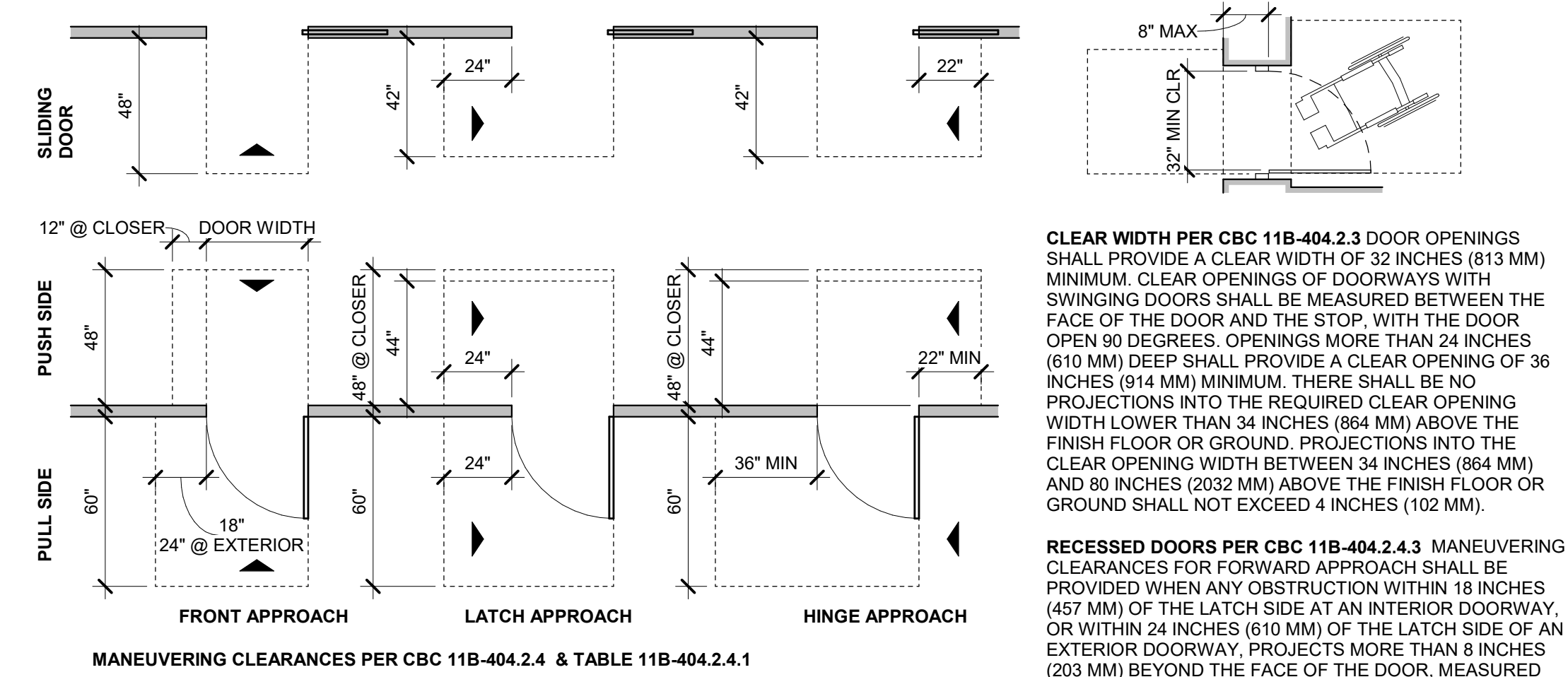
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FILE LOCATION: Autodesk Docs://24411 South SF High School - Special Needs/24411.01 SSFHS BLDG C SPED_A24.rvt DATE PLOTTED: 12/3/2025 4:34:07 PM



TYPICAL MOUNTING HEIGHTS

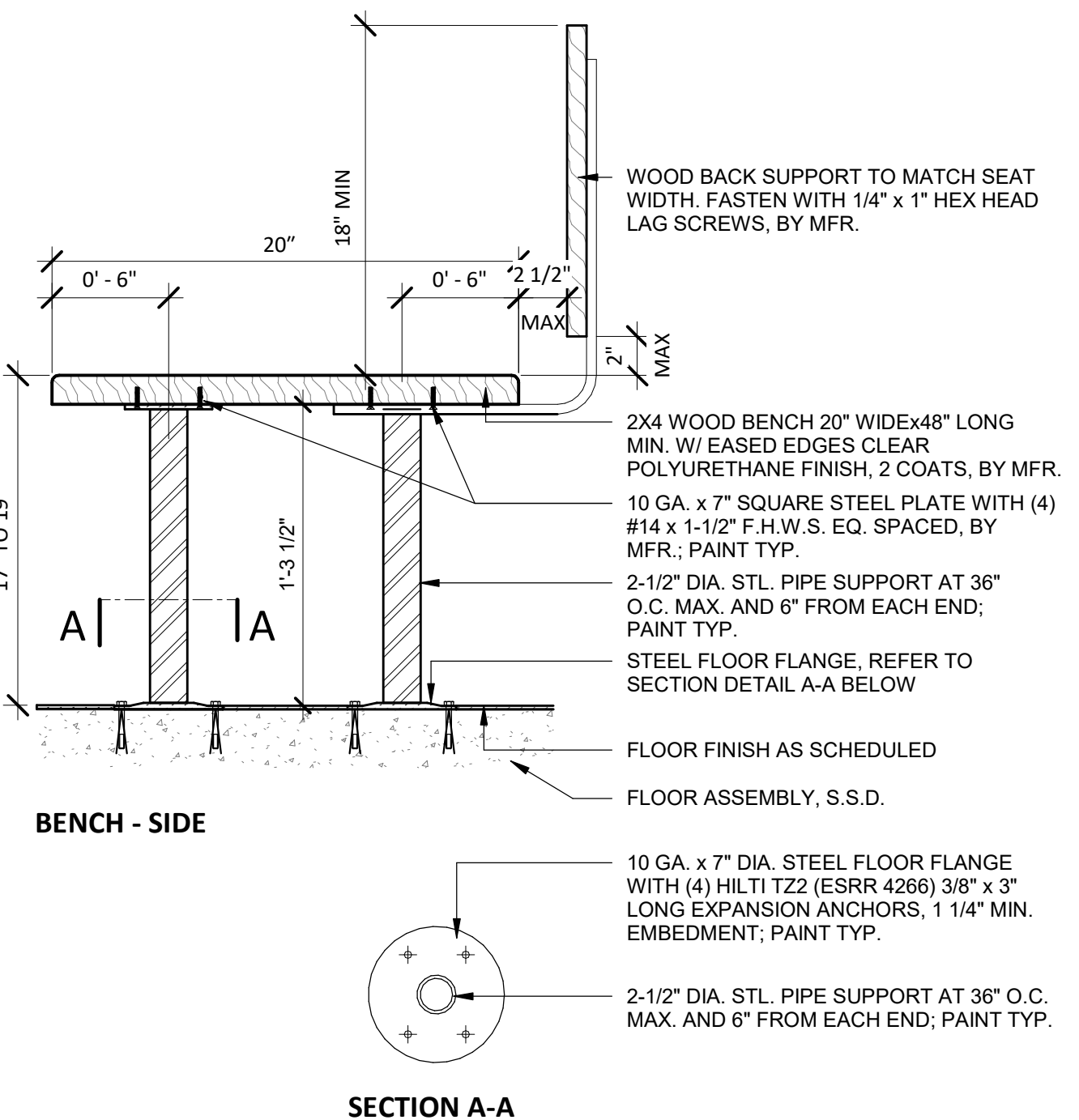
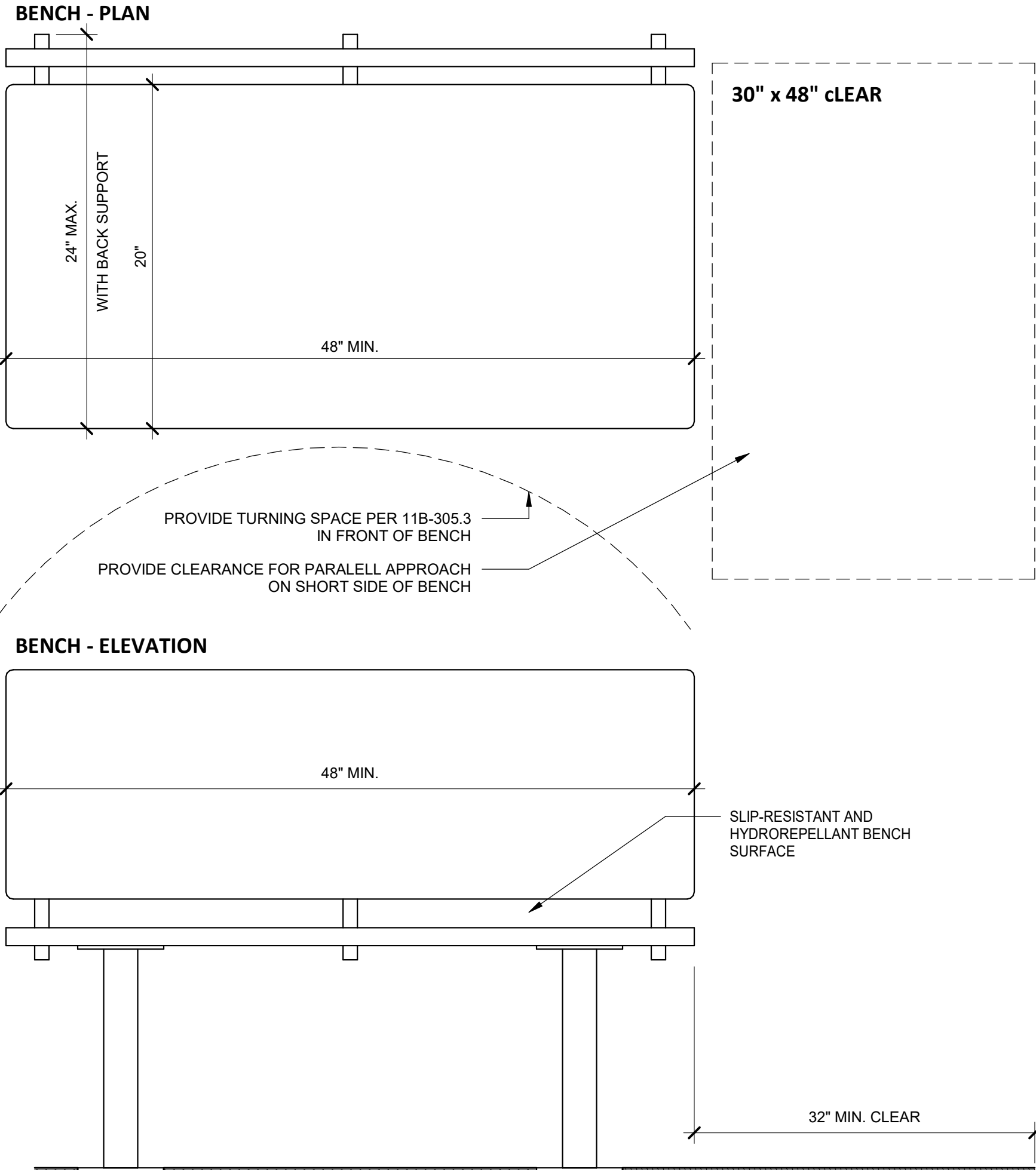
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CLEAR AREA AT DOORS

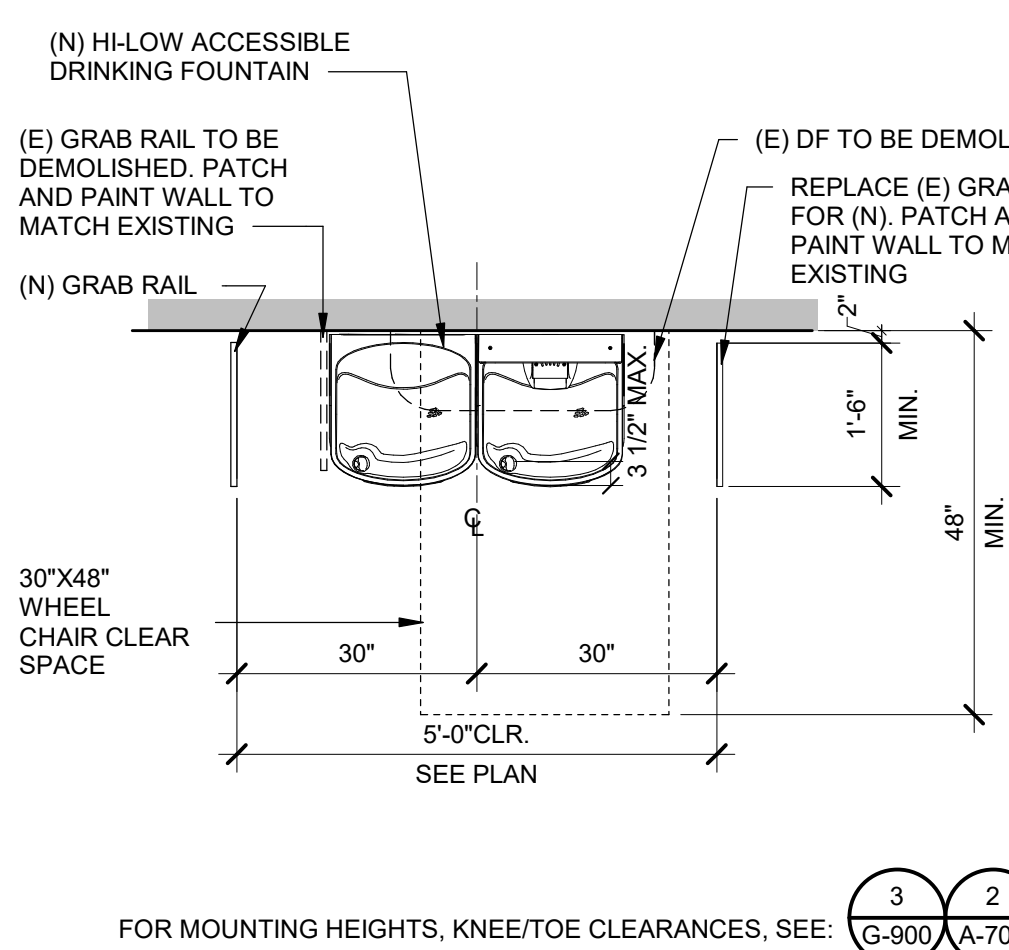
1/4" = 1'-0" 1

NOTES:
11B-903.4 BACK SUPPORT
THE BENCH SHALL PROVIDE FOR BACK SUPPORT OR SHALL BE AFFIXED TO A WALL ALONG ITS LONG DIMENSION. BACK SUPPORT SHALL BE 48 INCHES (1219 MM) LONG MINIMUM AND SHALL EXTEND FROM A POINT 2 INCHES (51 MM) MAXIMUM ABOVE THE SEAT SURFACE TO A POINT 18 INCHES (457 MM) MINIMUM ABOVE THE SEAT SURFACE. BACK SUPPORT SHALL BE 2 1/2 INCHES (64 MM) MAXIMUM FROM THE REAR EDGE OF THE SEAT MEASURED HORIZONTALLY.
11B-903.6 STRUCTURAL STRENGTH
BENCHES SHALL BE AFFIXED TO THE WALL OR FLOOR. ALLOWABLE STRESSES SHALL NOT BE EXCEEDED FOR MATERIALS USED WHEN A VERTICAL OR HORIZONTAL FORCE OF 260 POUNDS (1112 N) IS APPLIED AT ANY POINT ON THE SEAT, FASTENER, MOUNTING DEVICE OR SUPPORTING STRUCTURE.



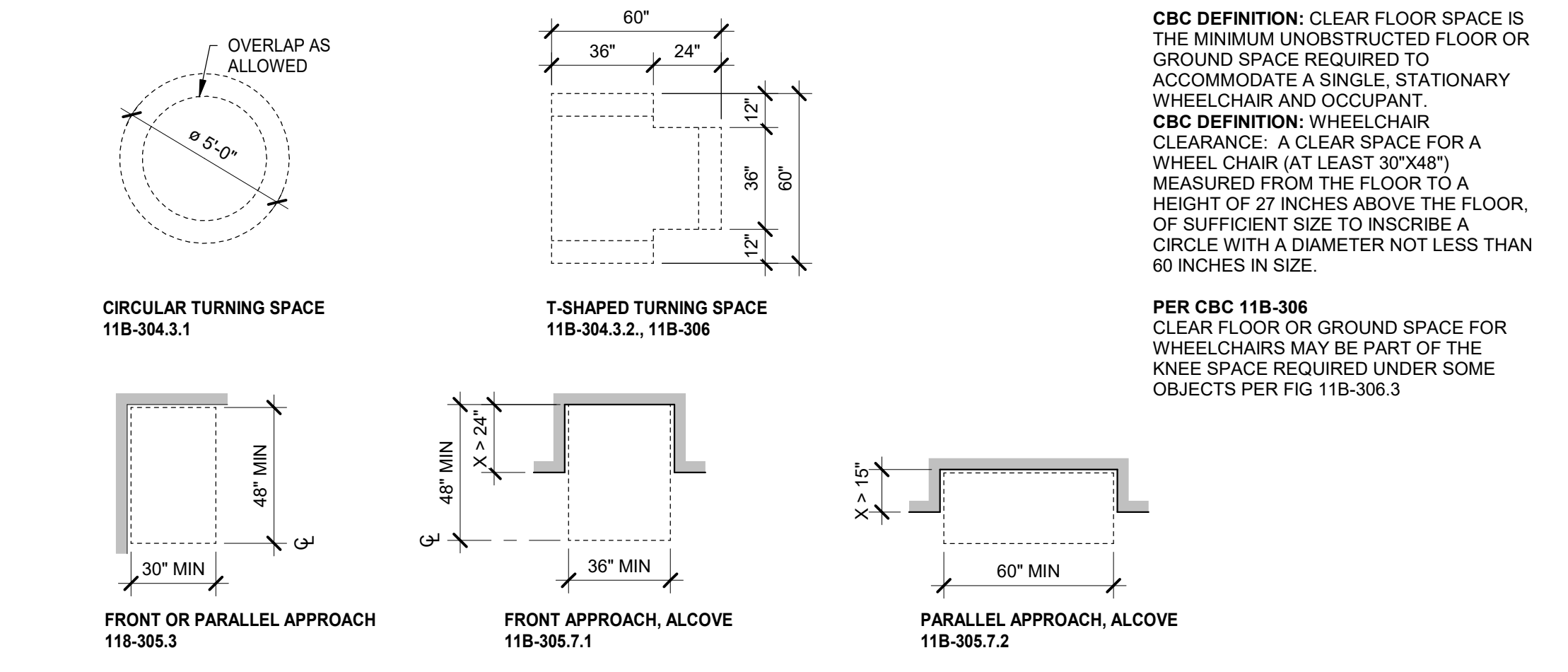
ACCESSIBLE BENCH AT RR CHANGING ROOM

N.T.S. 18



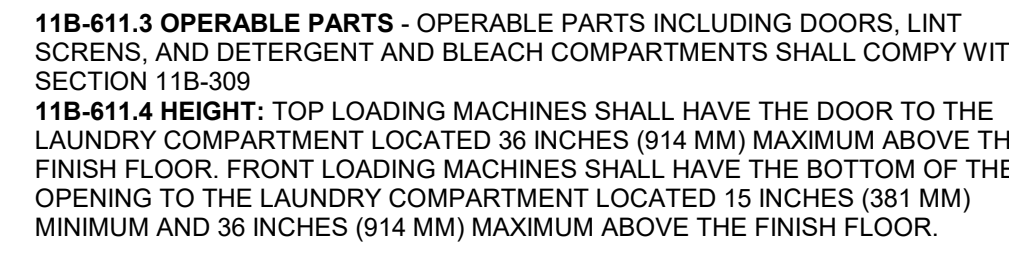
EXTERIOR DRINKING FOUNTAIN

1/2" = 1'-0" 12



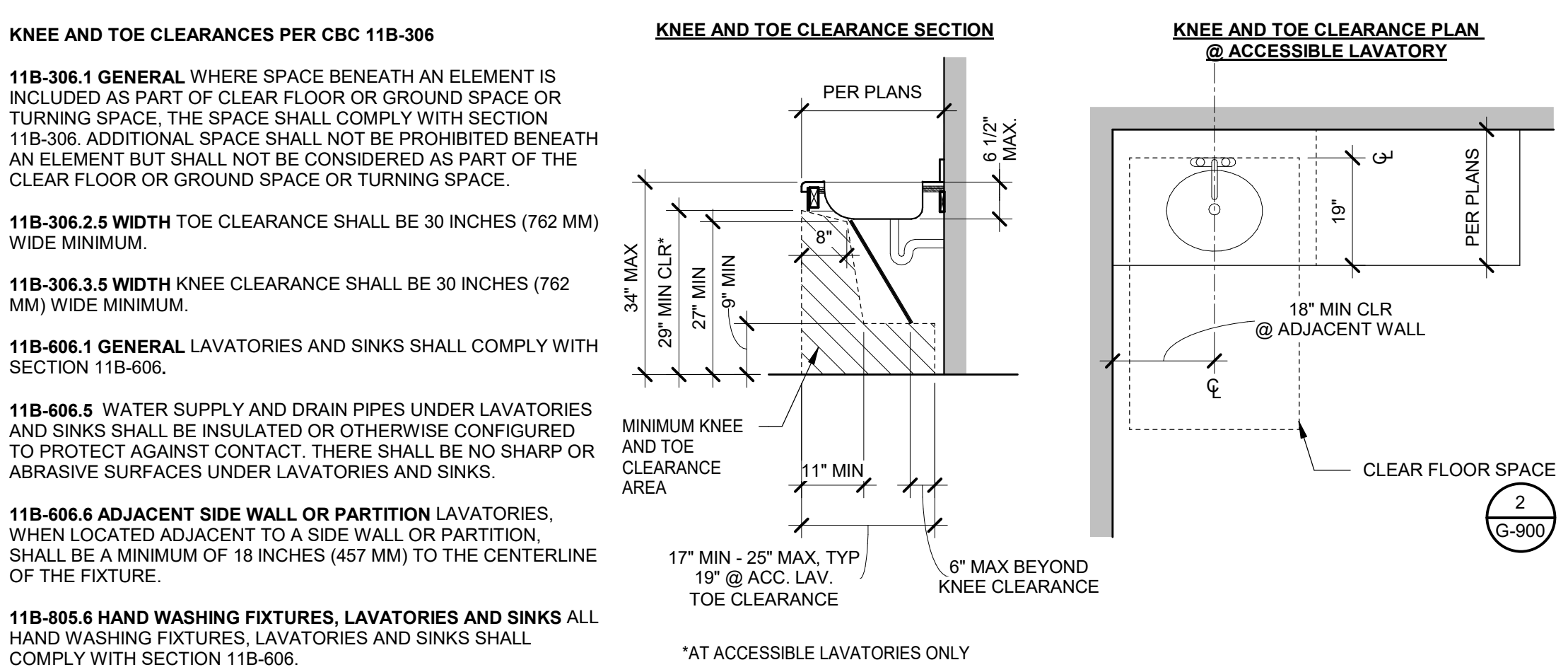
TURNING - CLEAR FLOOR SPACE

1/4" = 1'-0" 2



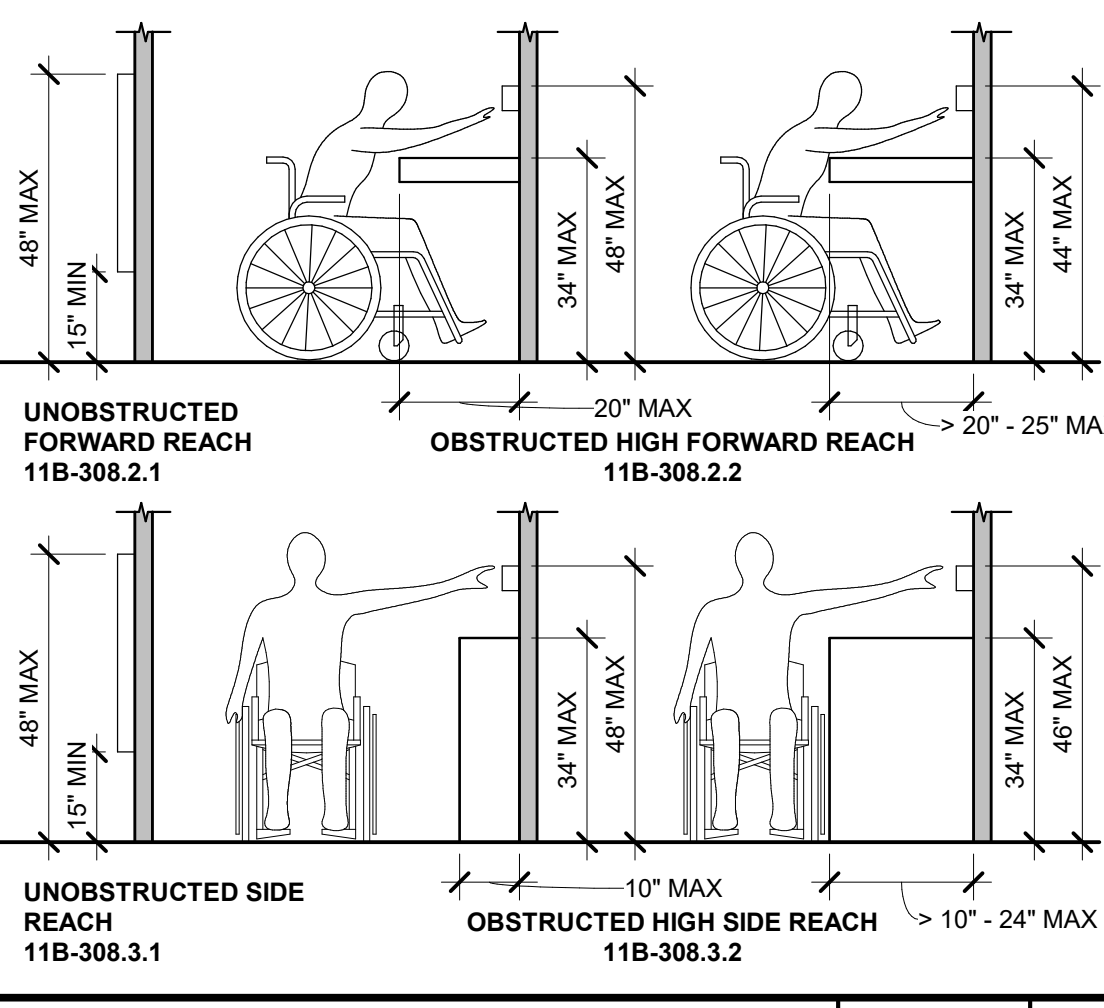
LAUNDRY ACCESS HEIGHTS

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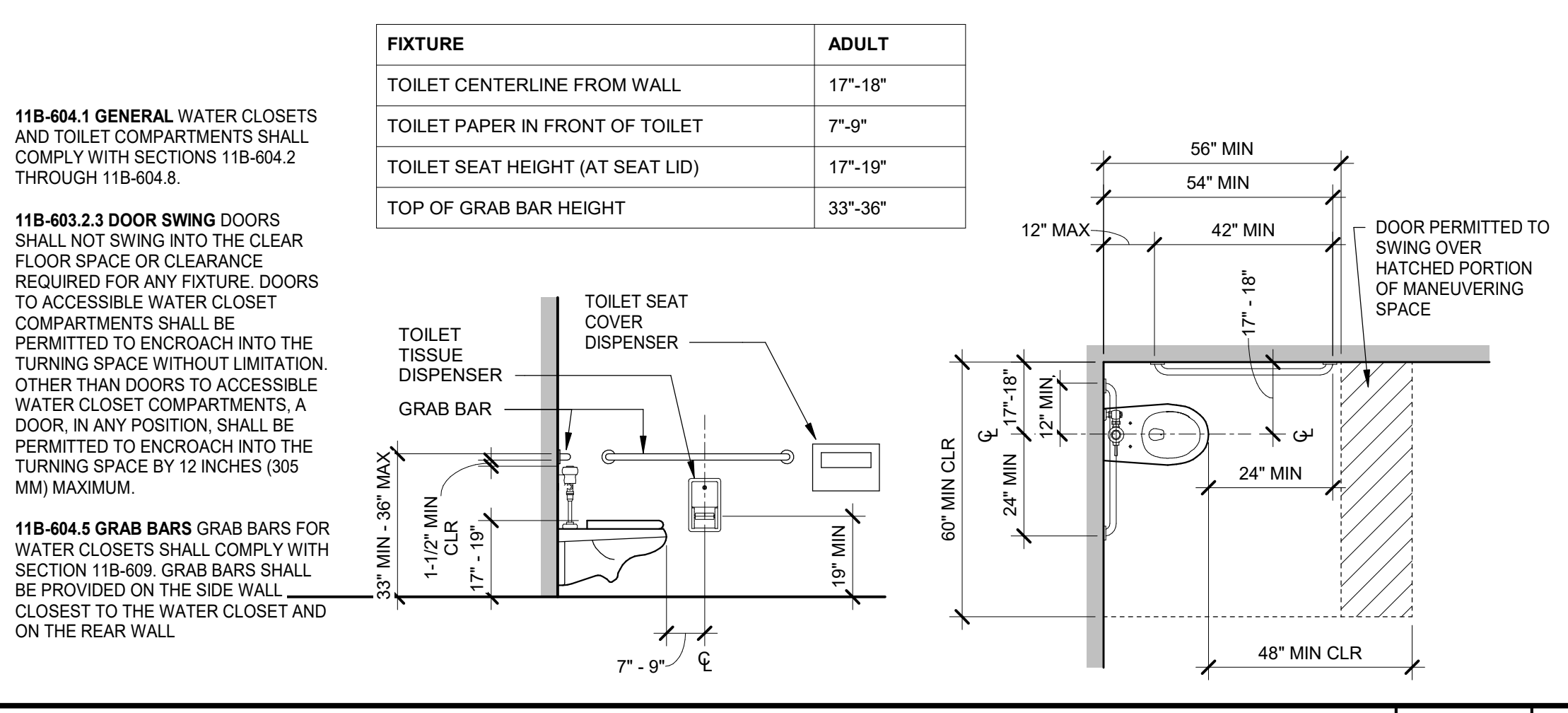
KNEE AND TOE CLEARANCE

1/2" = 1'-0" 3



REACH RANGE

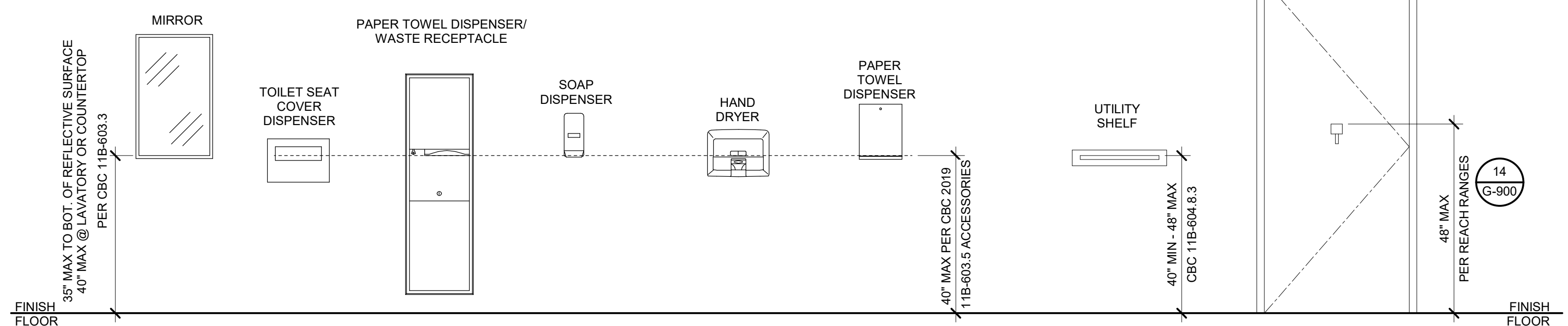
3/8" = 1'-0" 14



ACCESSIBLE WATER CLOSET

3/8" = 1'-0" 4

ACCESSORIES



ACCESSIBLE FIXTURE DIM.

1/2" = 1'-0" 5

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PROFESSIONAL STAMP DATE SIGNED: 12/04/2025

OF CALIF.

REVISIONS	ORIGINAL ISSUE DATE:
NO.	DATE
1	12/04/2025

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400 B STREET
SOUTH SAN FRANCISCO, CA 94080

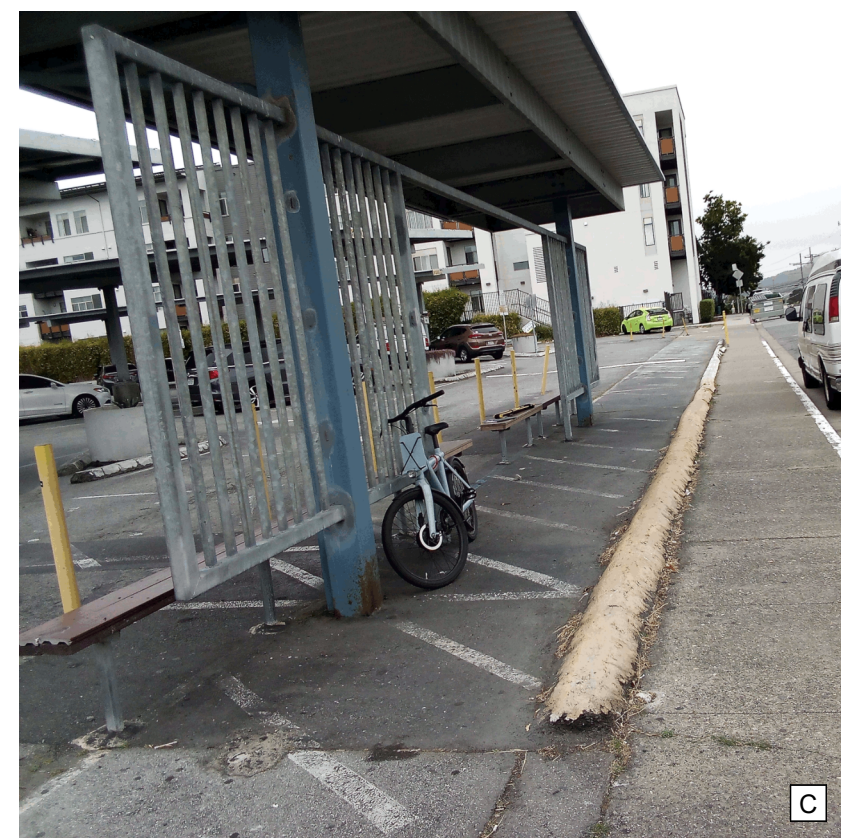
SHEET TITLE
ACCESSIBILITY CLEARANCES

SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB JOB NUMBER: 24411.01

SHEET NO.

G-900



- | | |
|--|-----------------------------------|
| | <u>FIRE PROTECTION ENGINEER</u> |
| | CAPITAL ENGINEERING |
| | 11020 SUN CENTER DRIVE, SUITE 100 |
| | RANCHO CORDOVA, CA 95670 |
| | TEL (916) 851-3500 |

185 CLARA STREET, SUITE 101A
SAN FRANCISCO, CA 94107
TEL (628) 212-9200

CONSULTANTS

STRUCTURAL ENGINEER
195X ARCHITECTS
1119 GARDEN STREET
SANTA BARBARA CA 93101
TEL (805) 963-1210

MECHANICAL ENGINEER
CAPITAL ENGINEERING
11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
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CAPITAL ENGINEERING
11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
TEL (916) 851-3500


 SEN. ARD.
 S. OF CALIF.

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

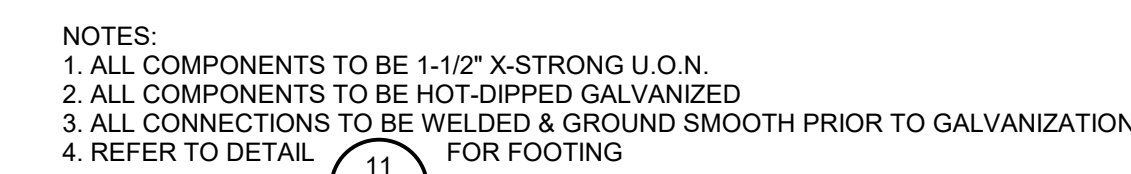
**SOUTH SAN FRANCISCO HS -
ALTERATIONS TO ROOMS B-12 &
B-13, AND C-3 & C-4**
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

DRAWN BY: EW,HB JOB NUMBER: 24411.01

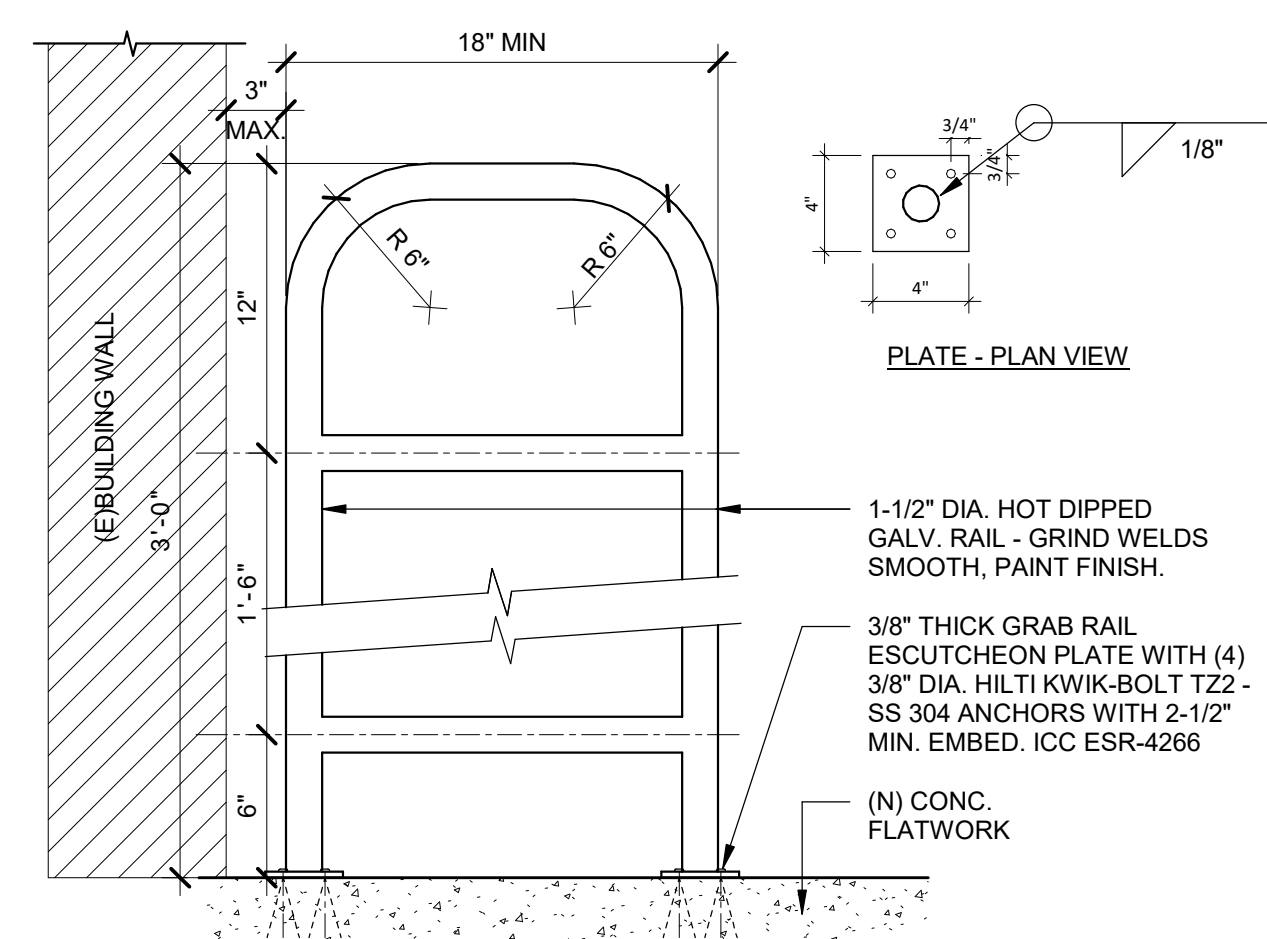
A-101

1/8" = 1'-0" **13**1/2" = 1'-0" **14**

1/8" = 1'-0"	3
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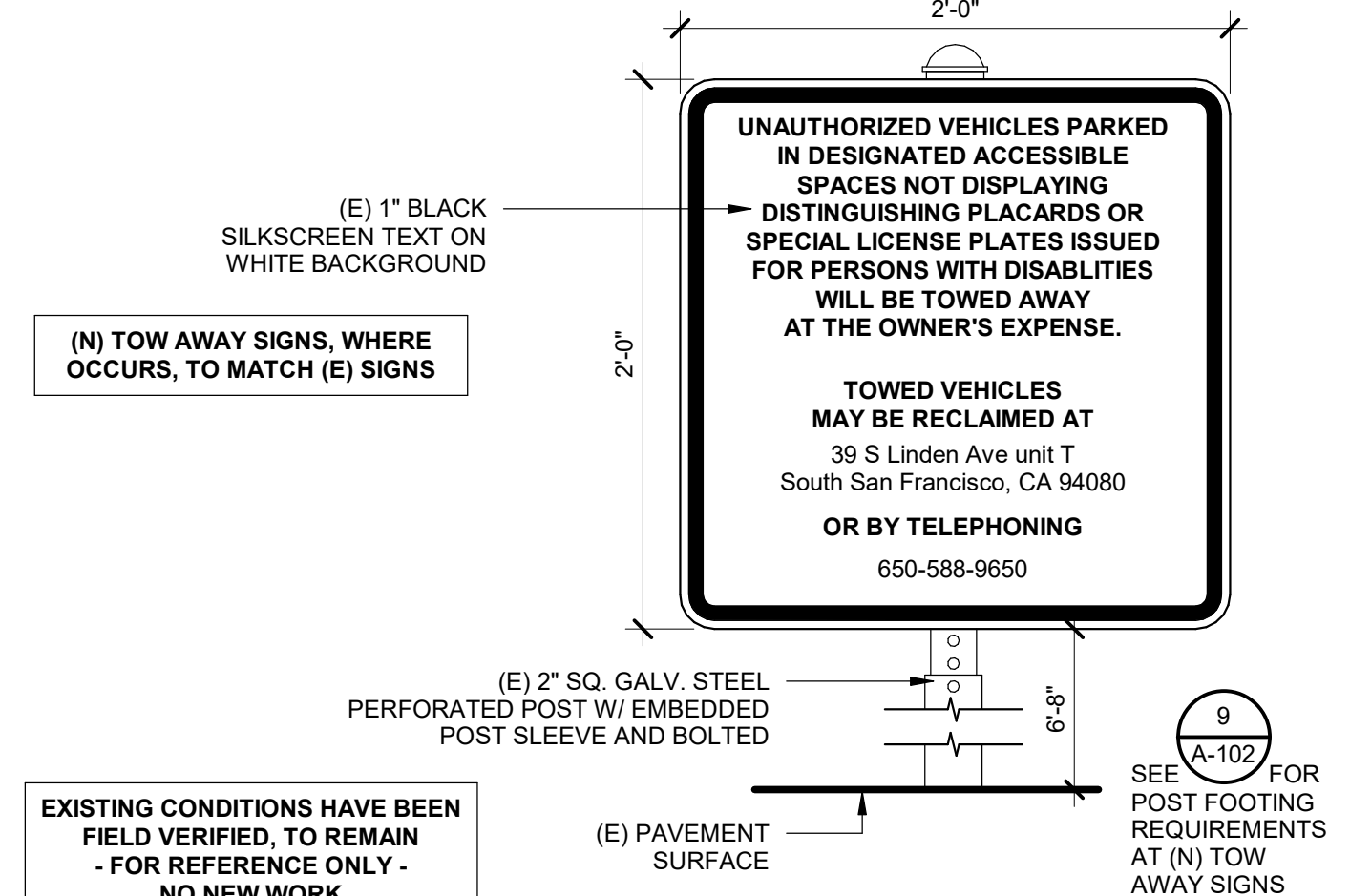


4



1 1/2" = 1'-0"	5
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9

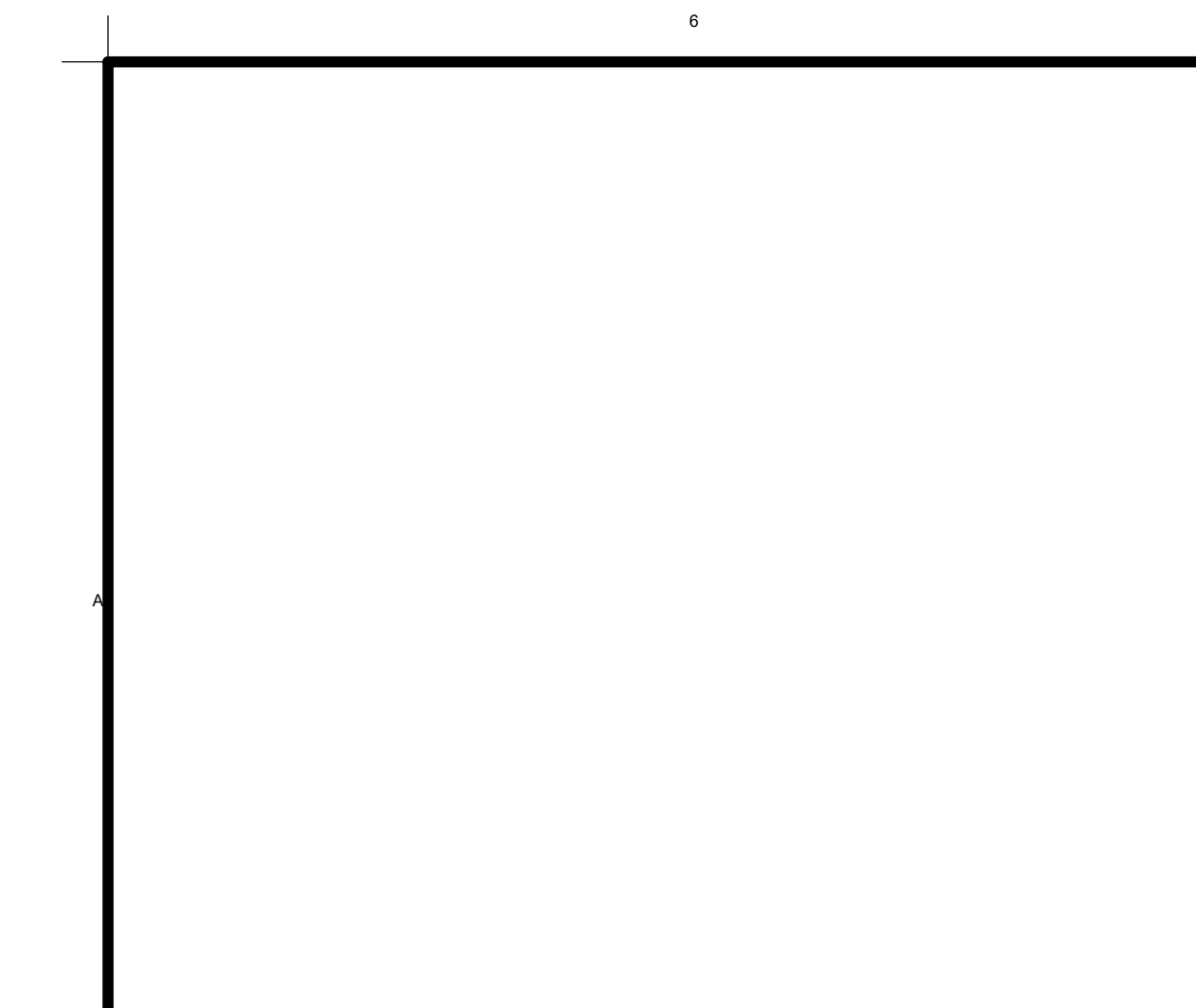
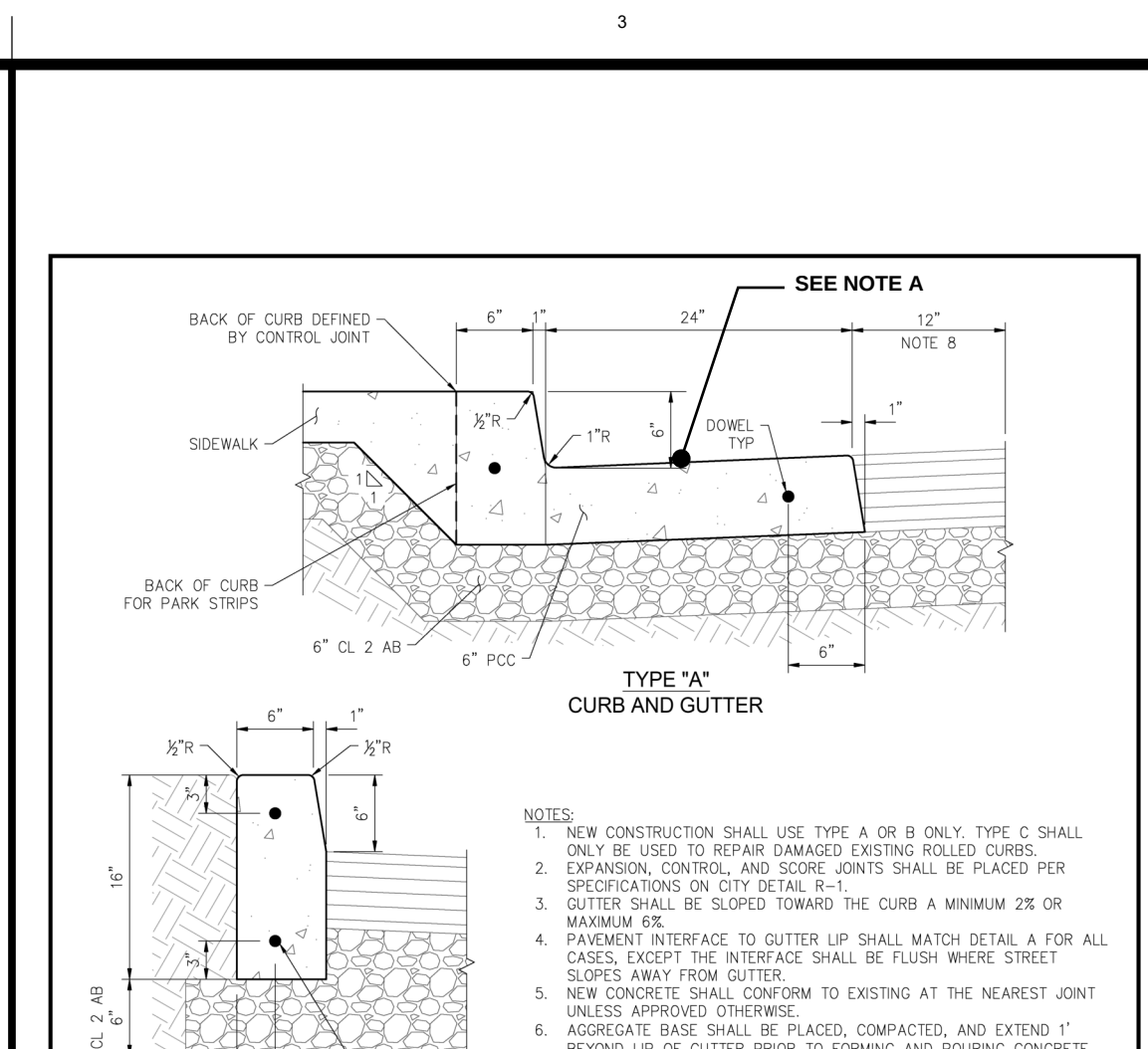
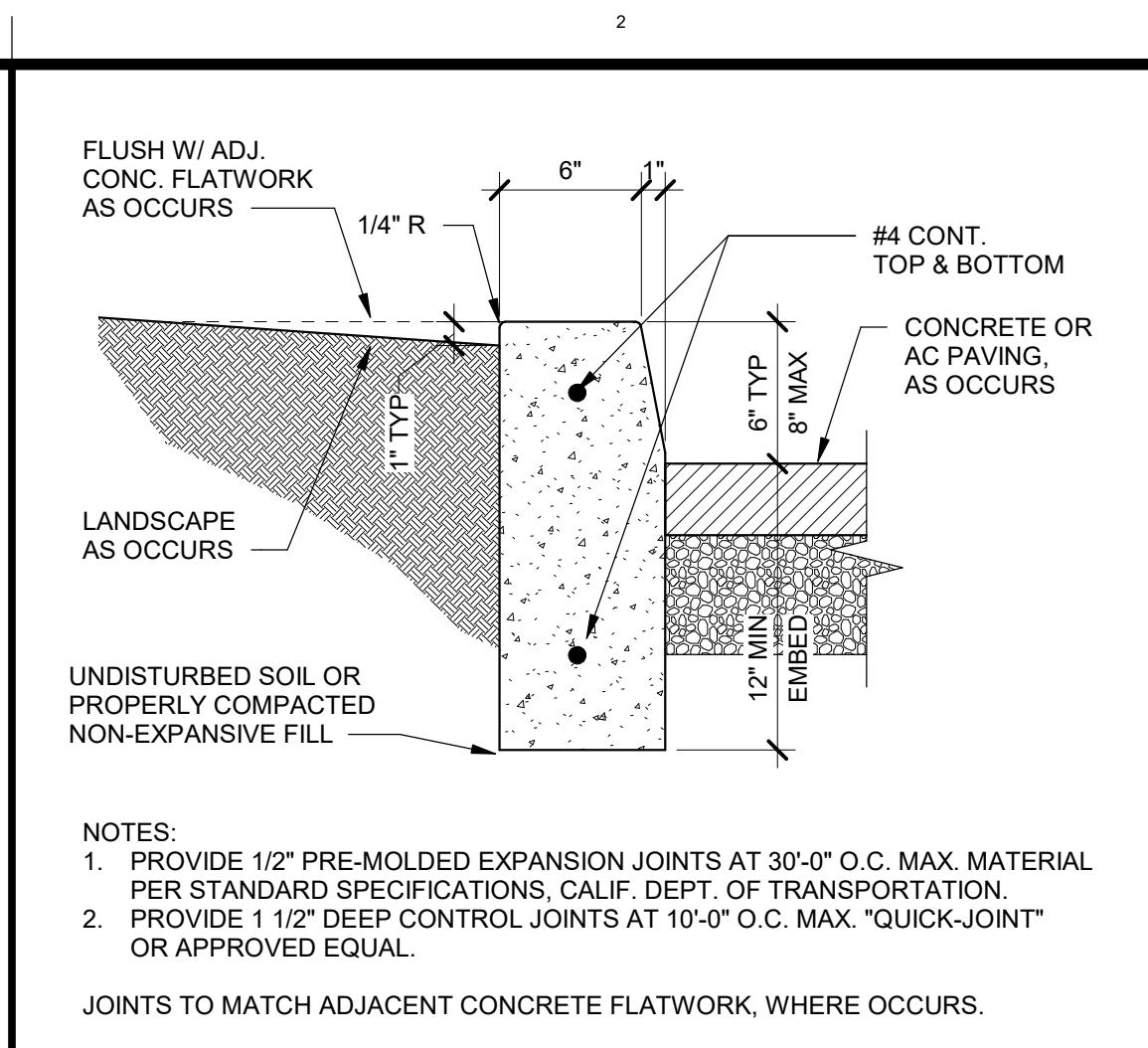
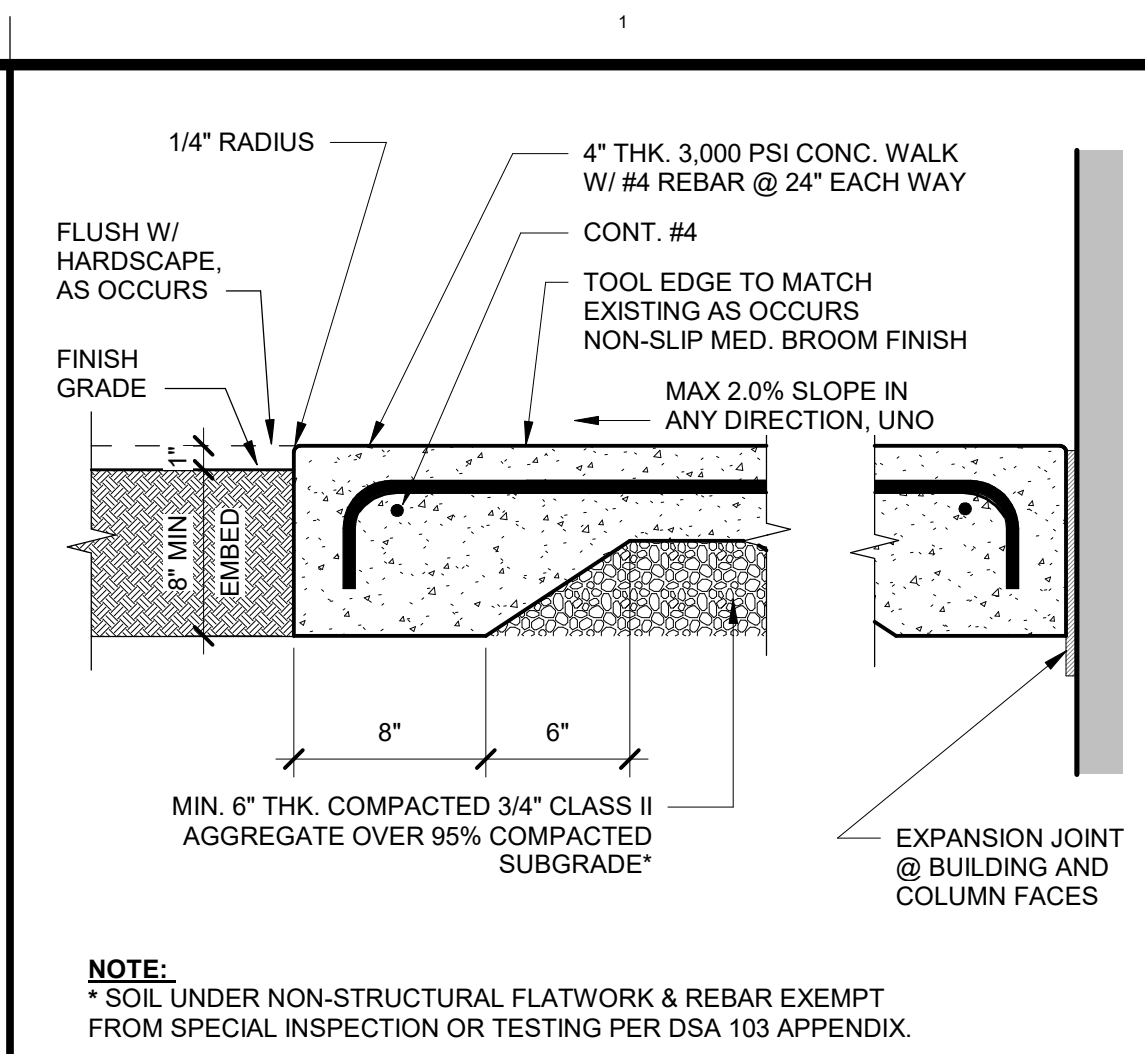
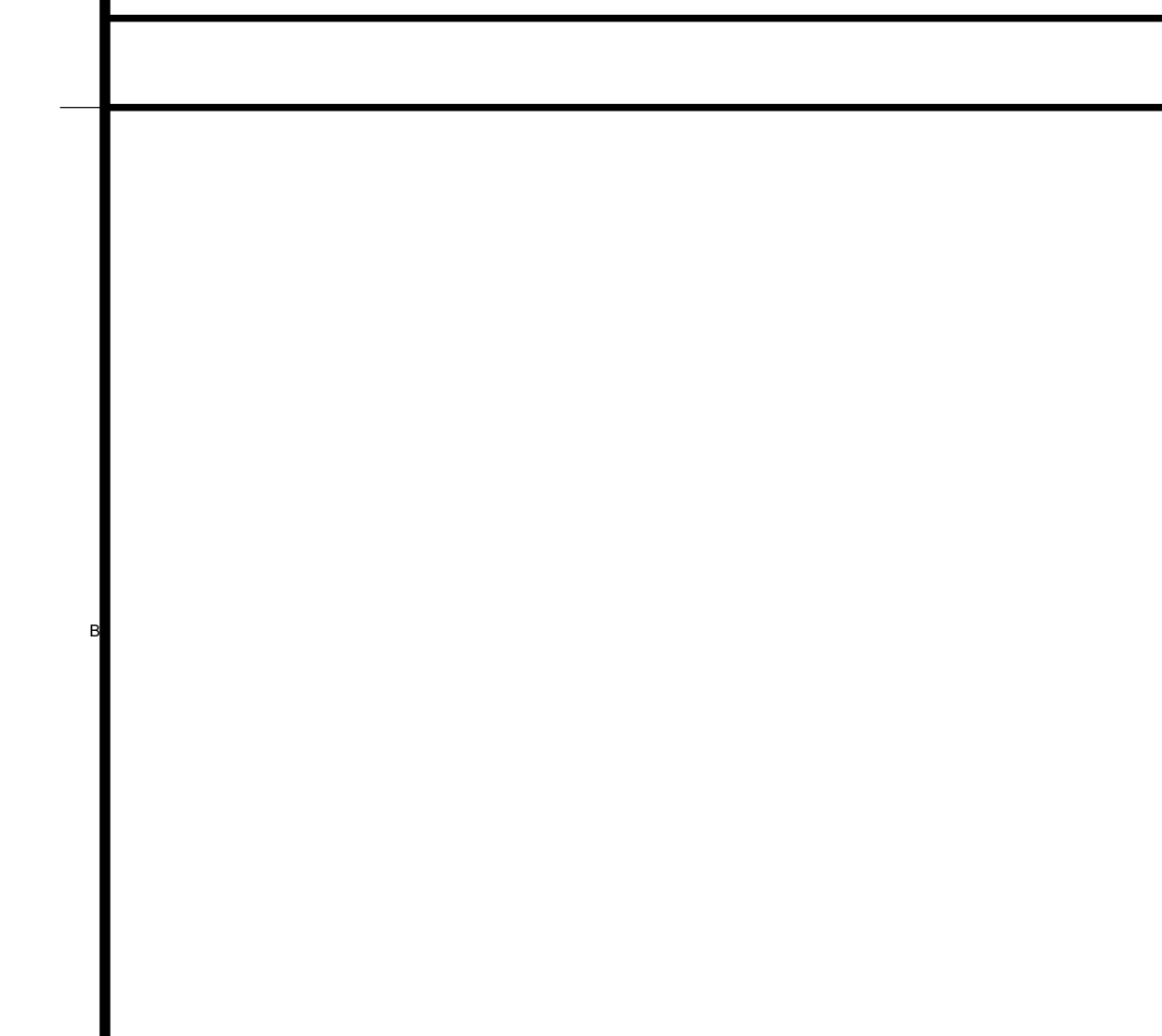
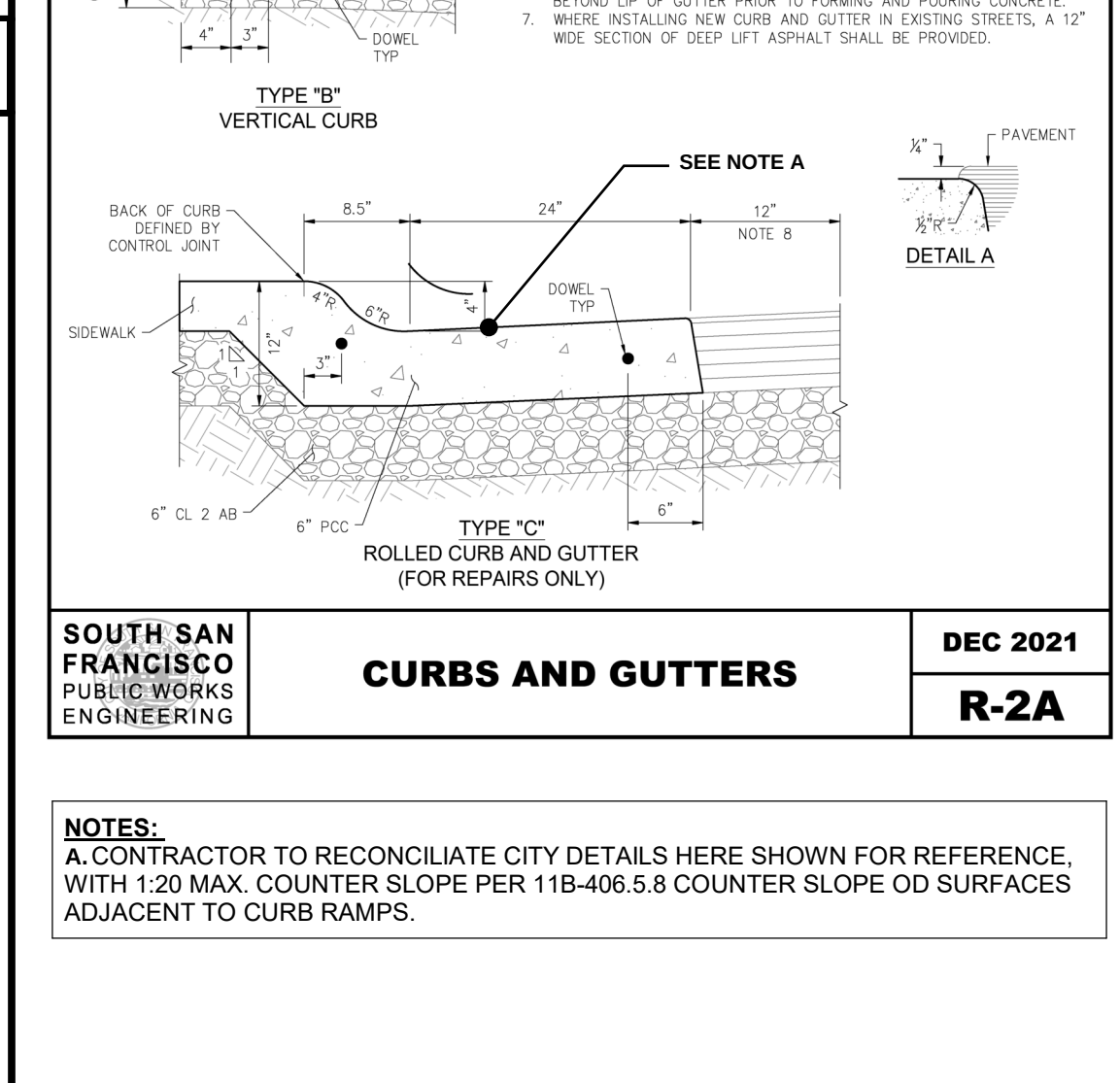
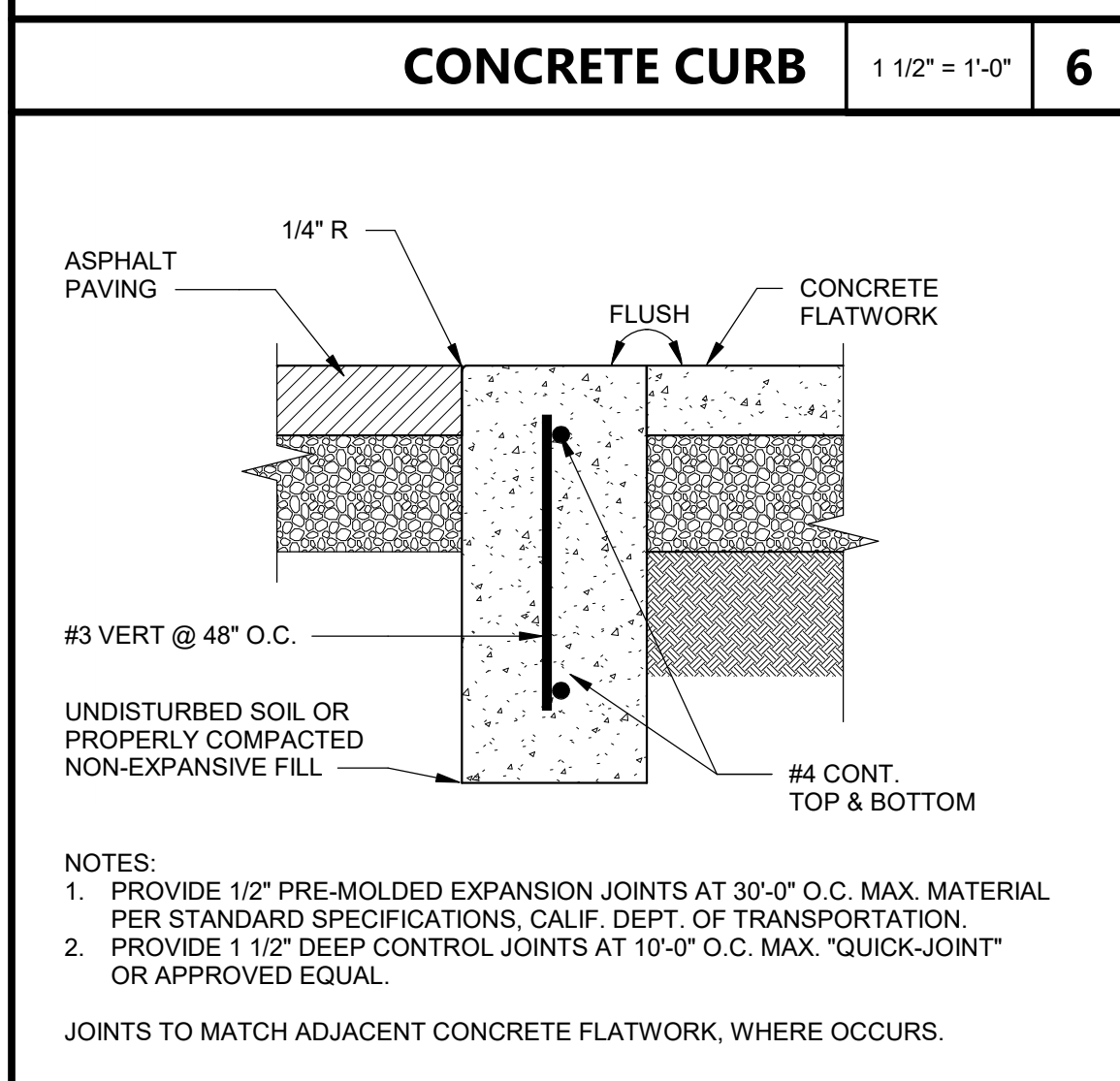
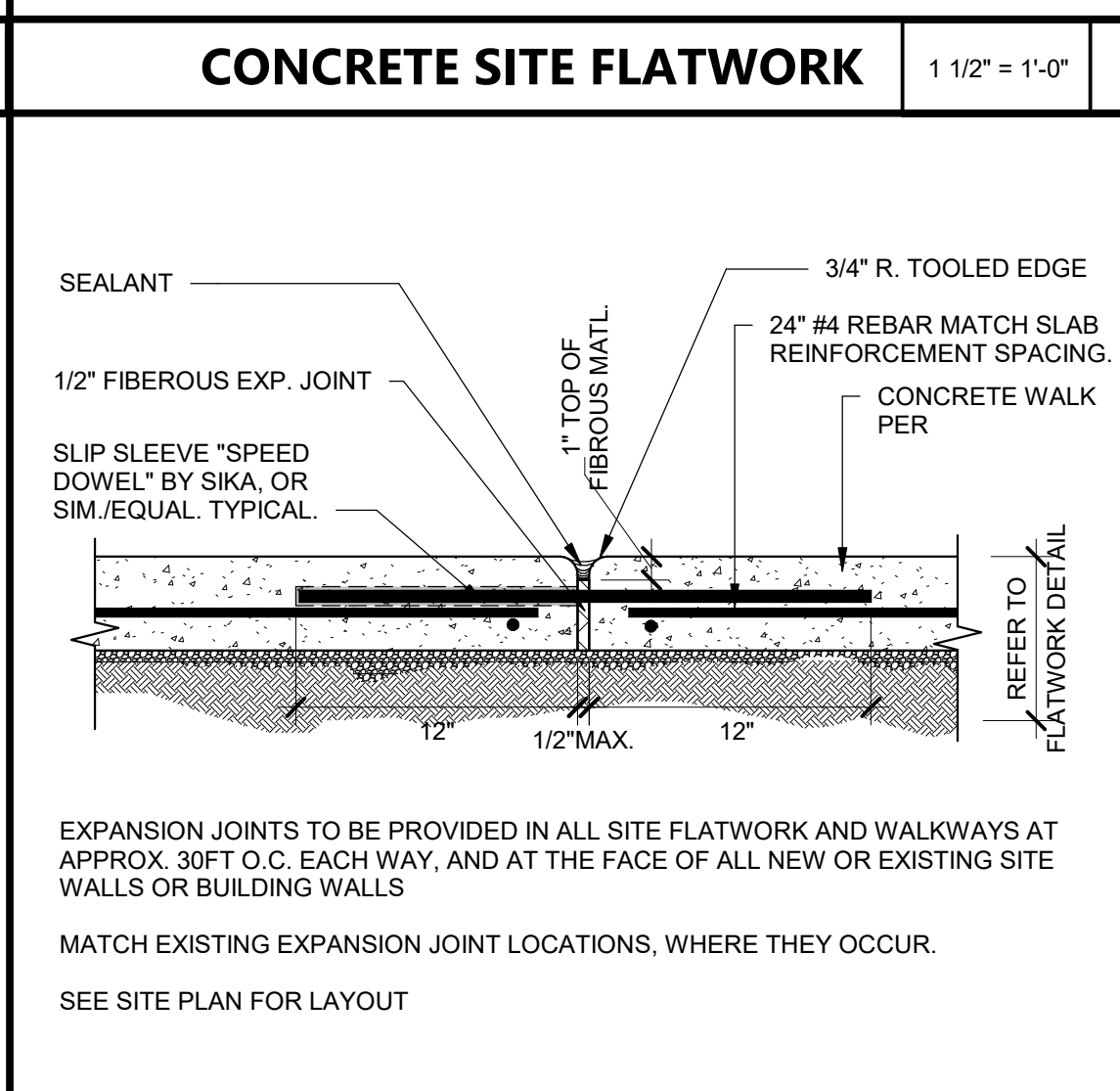
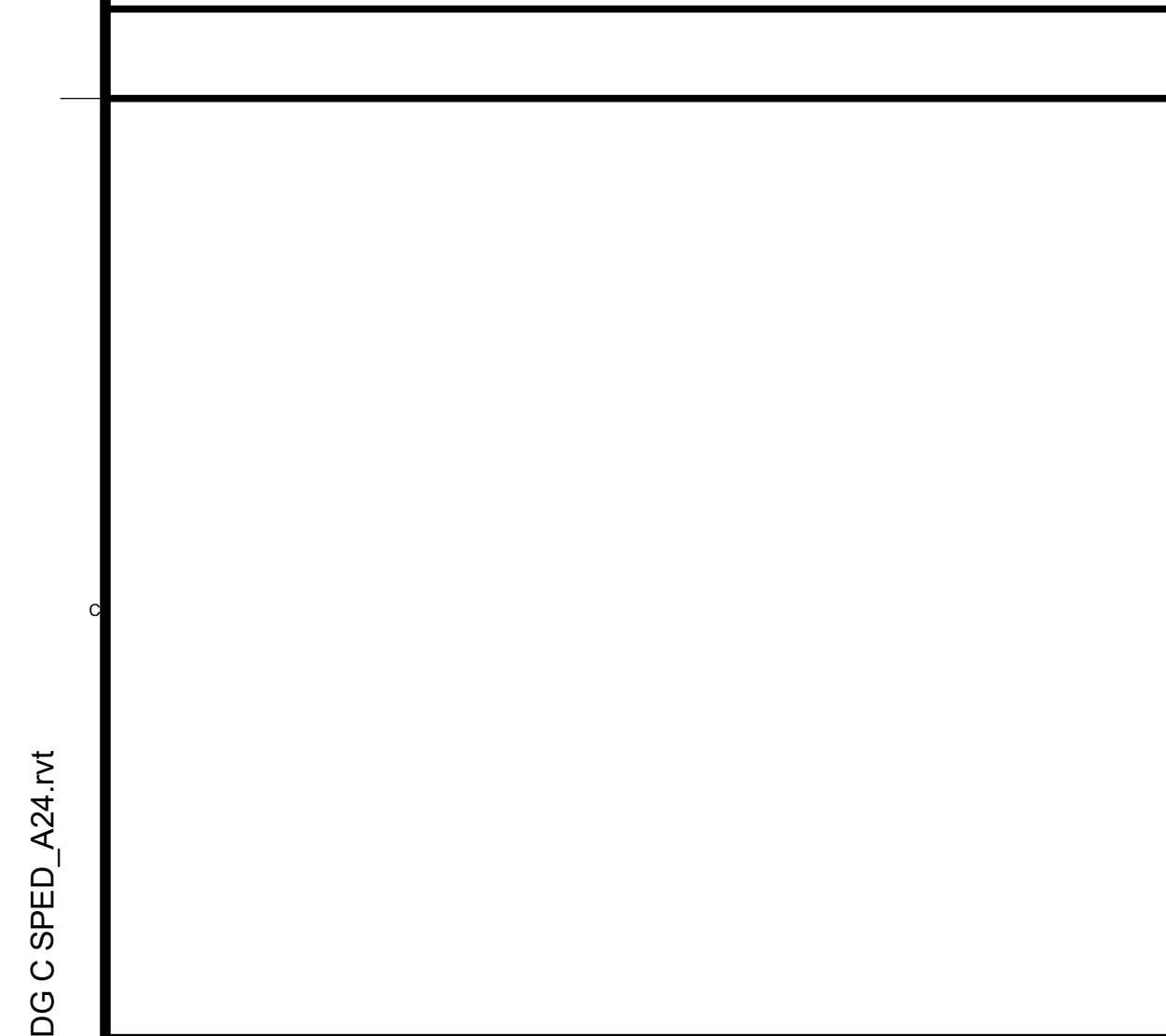
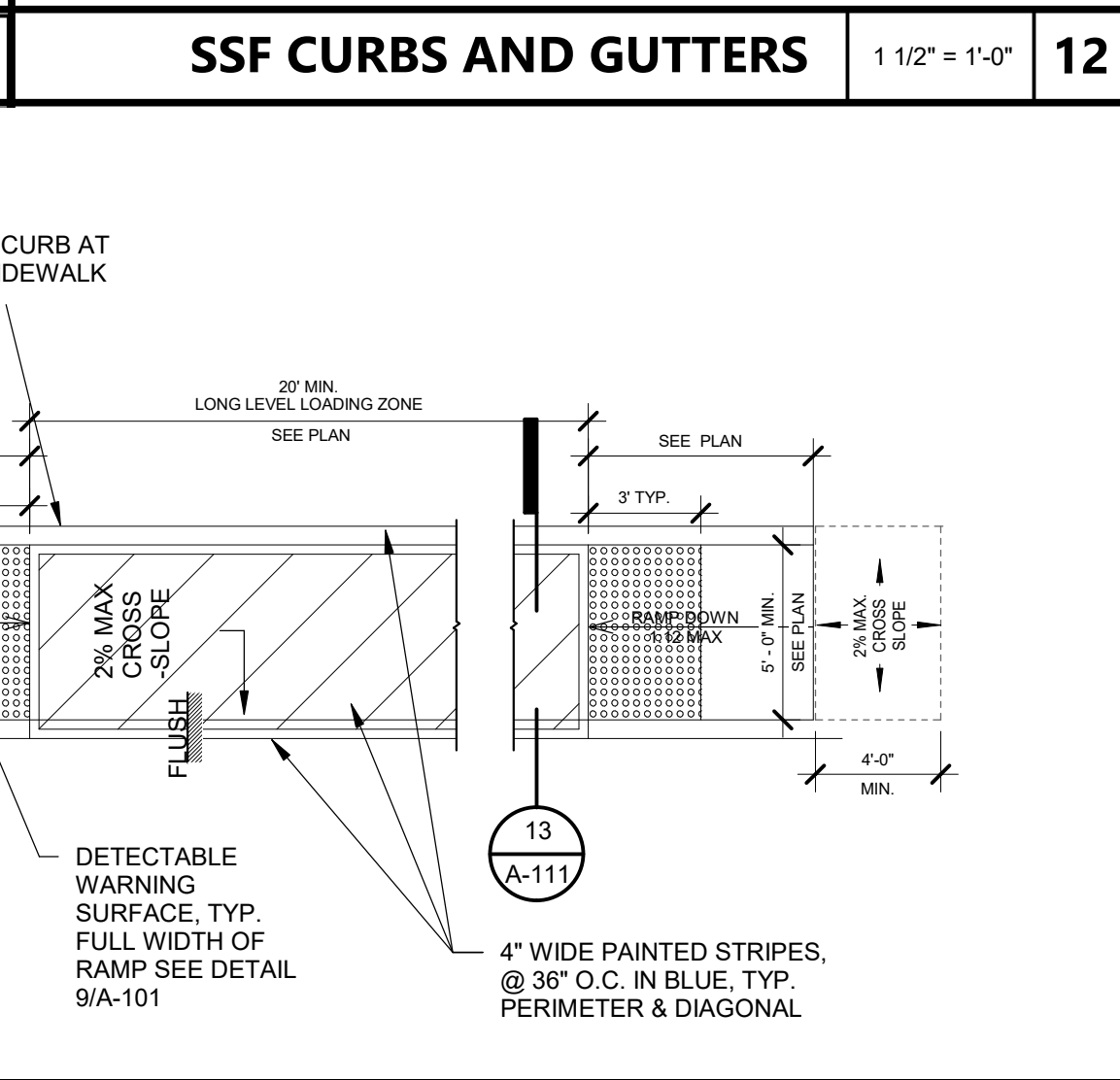
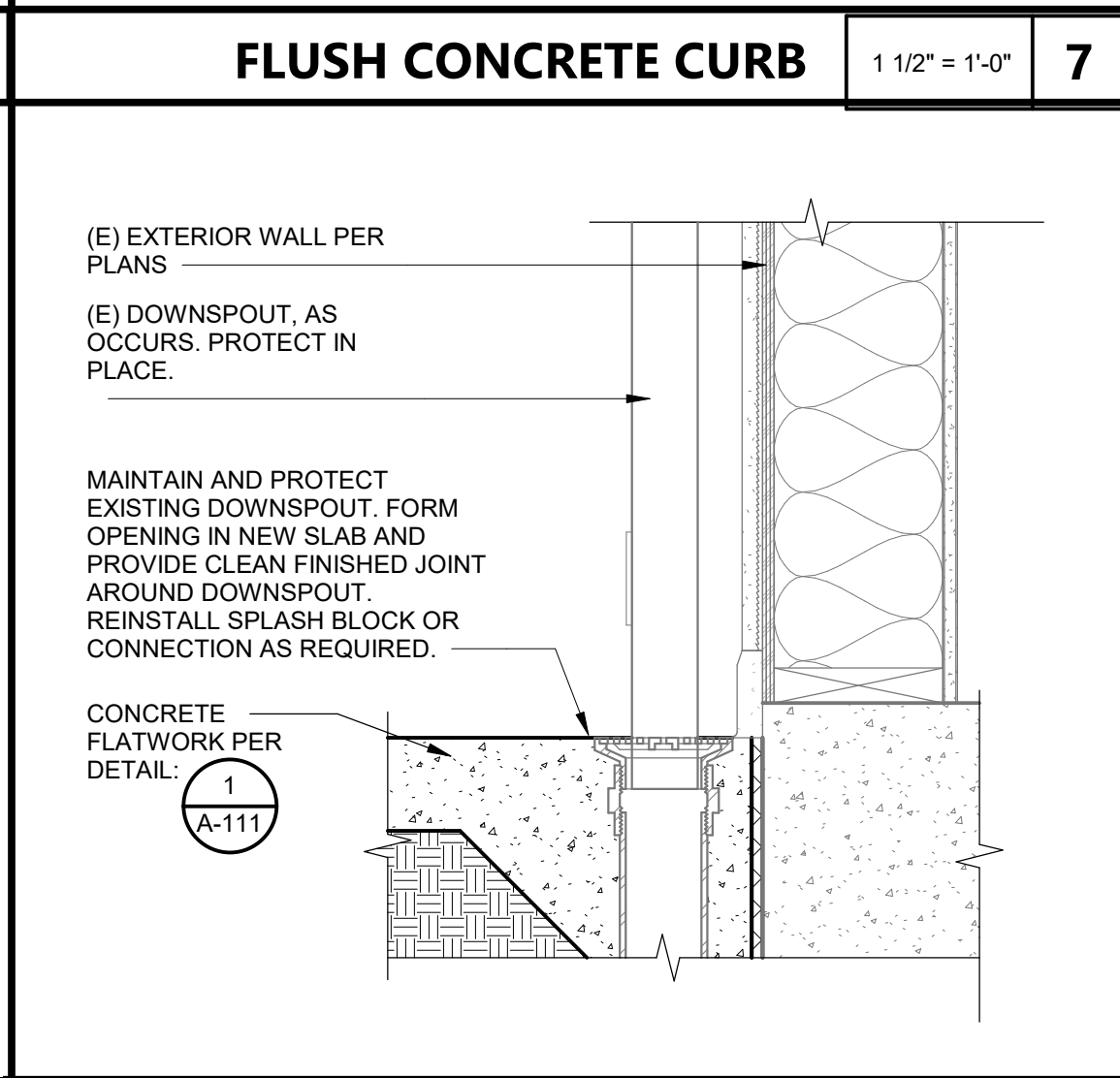
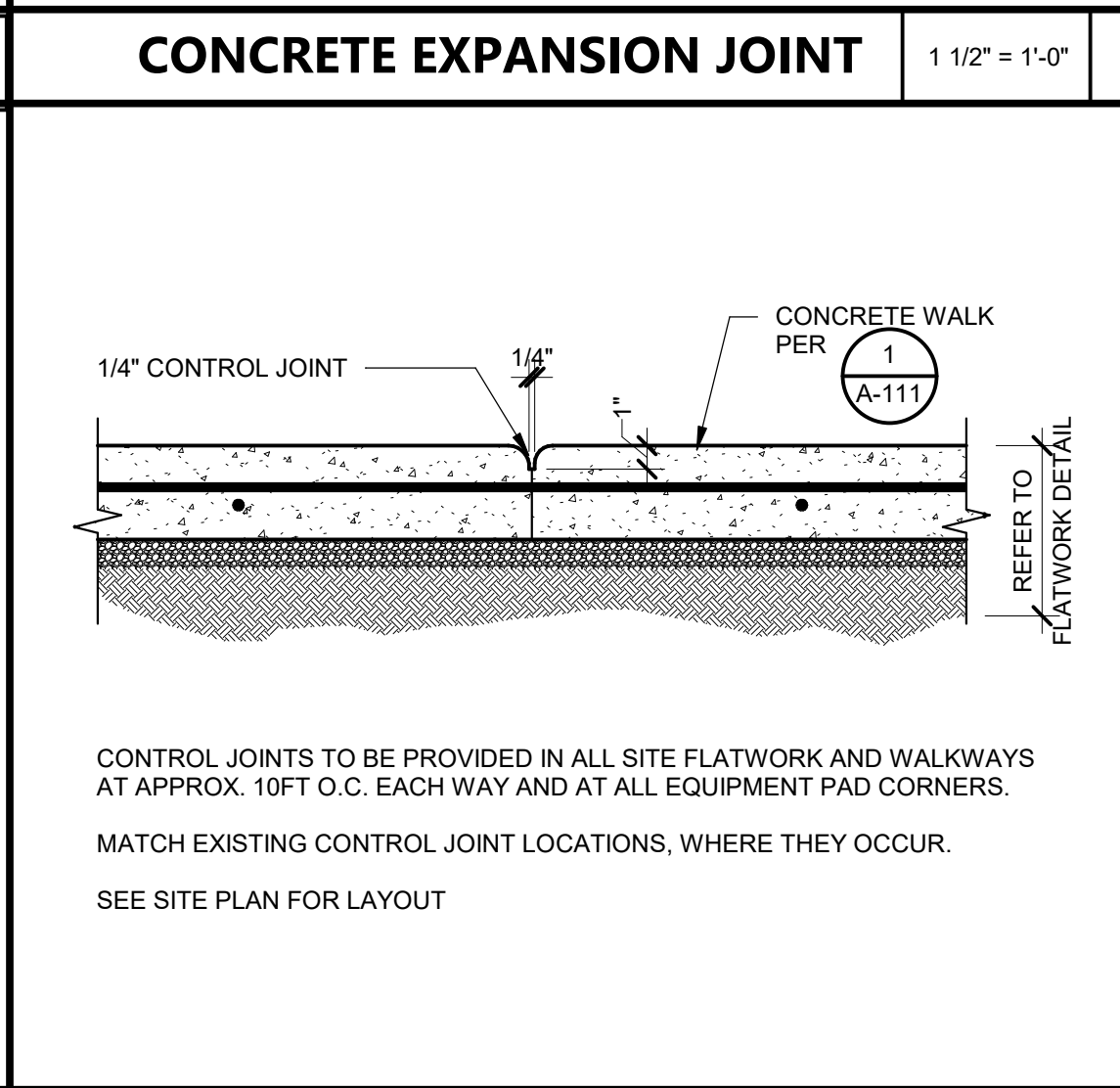
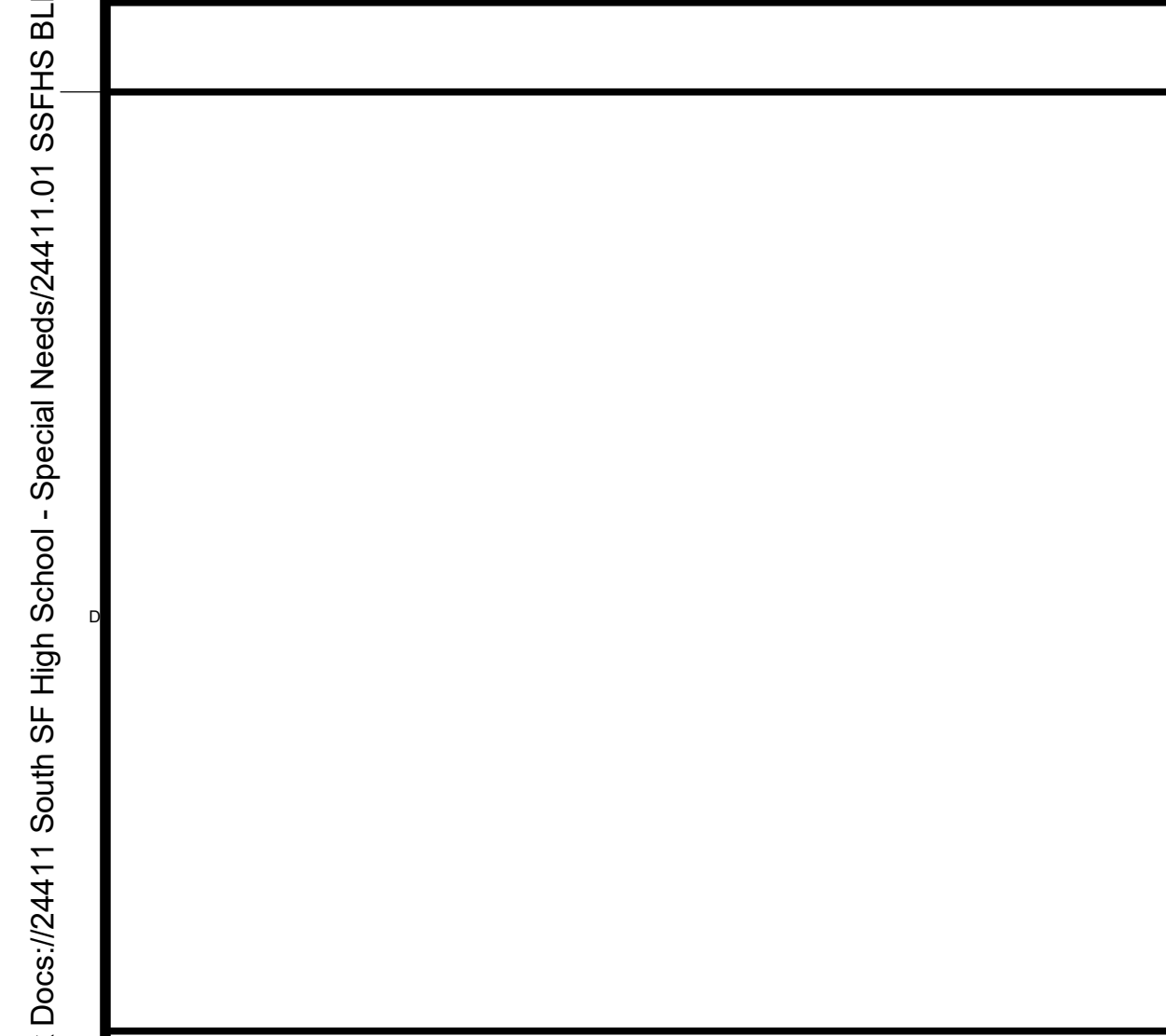
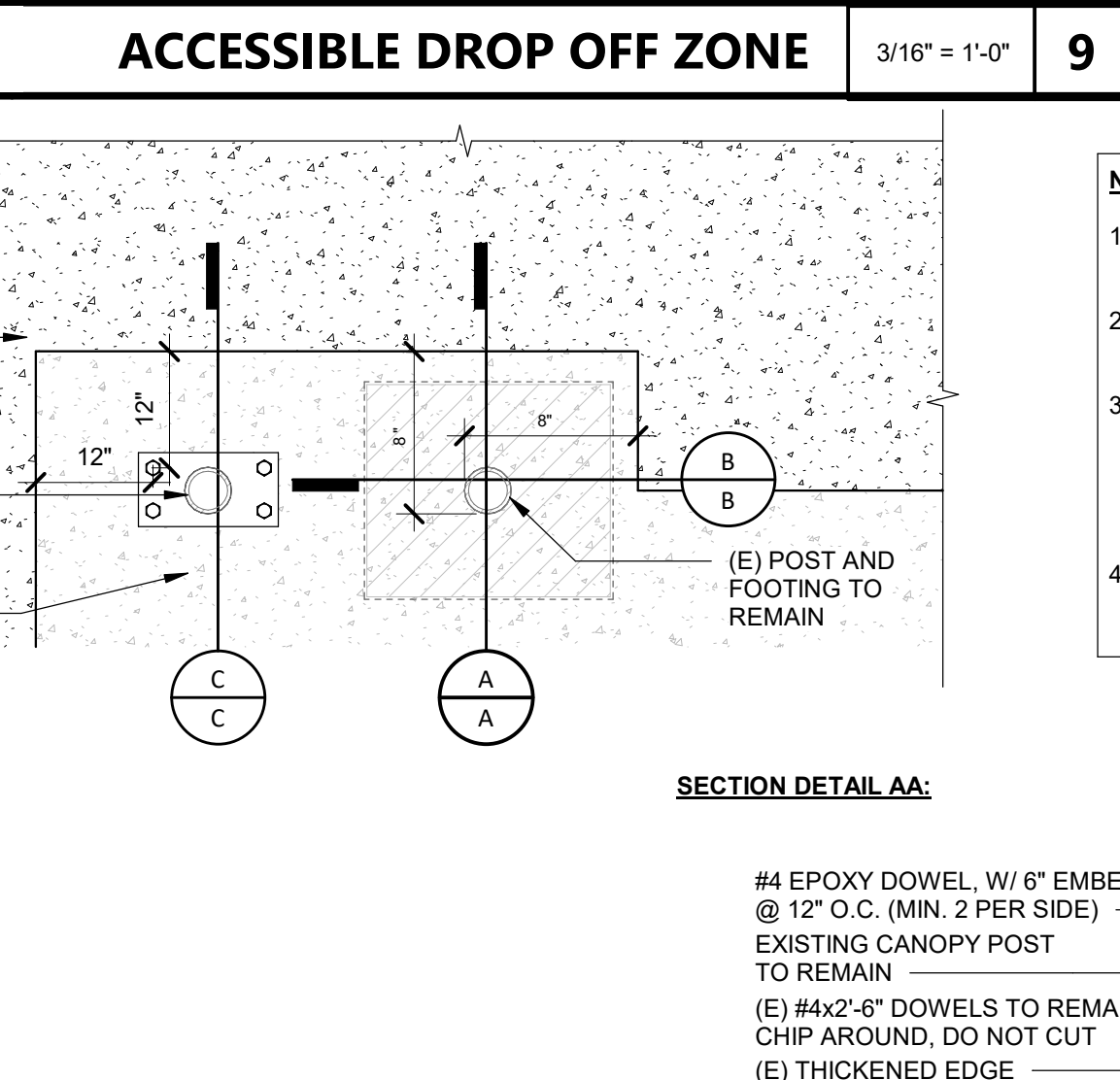
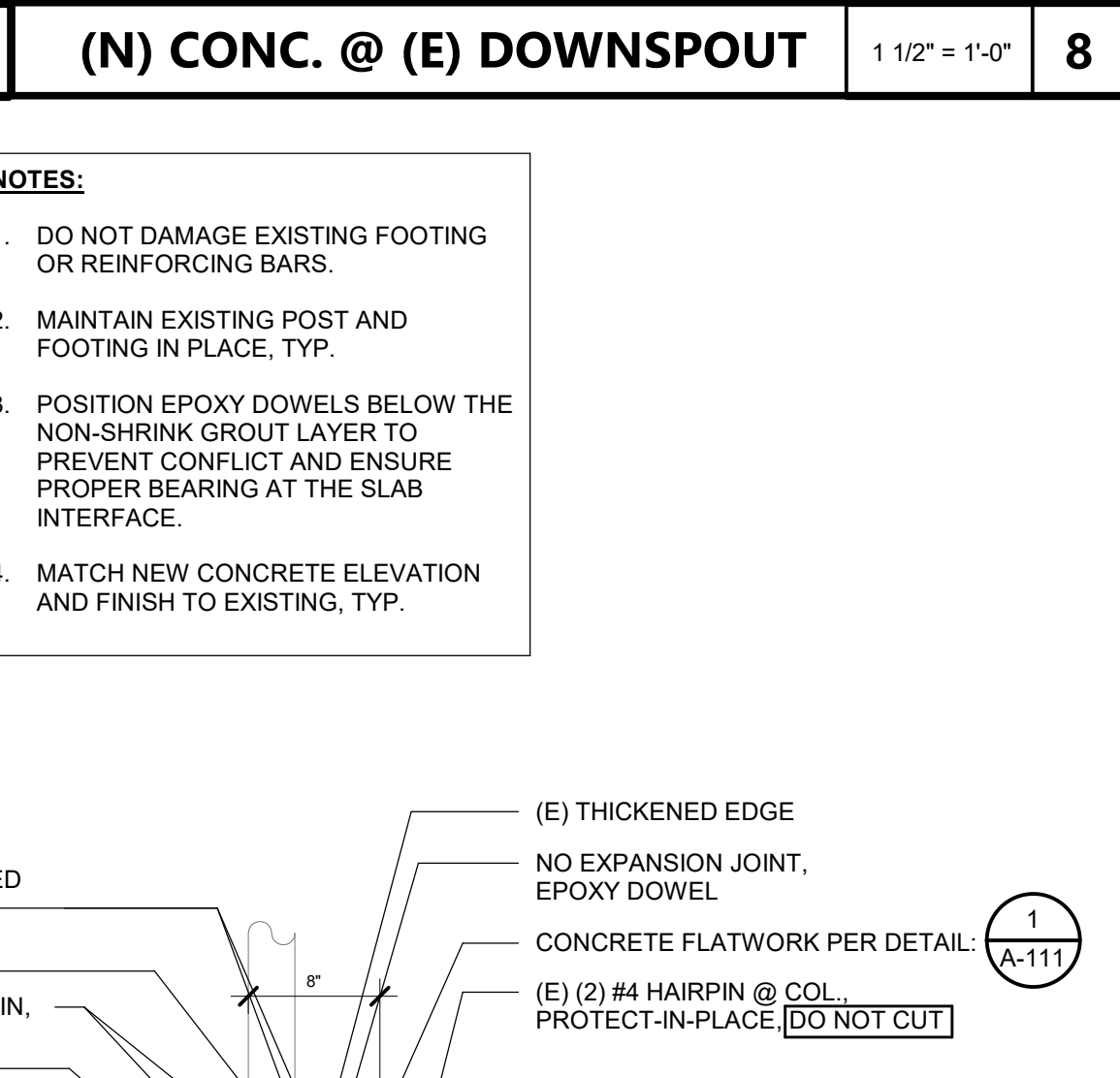
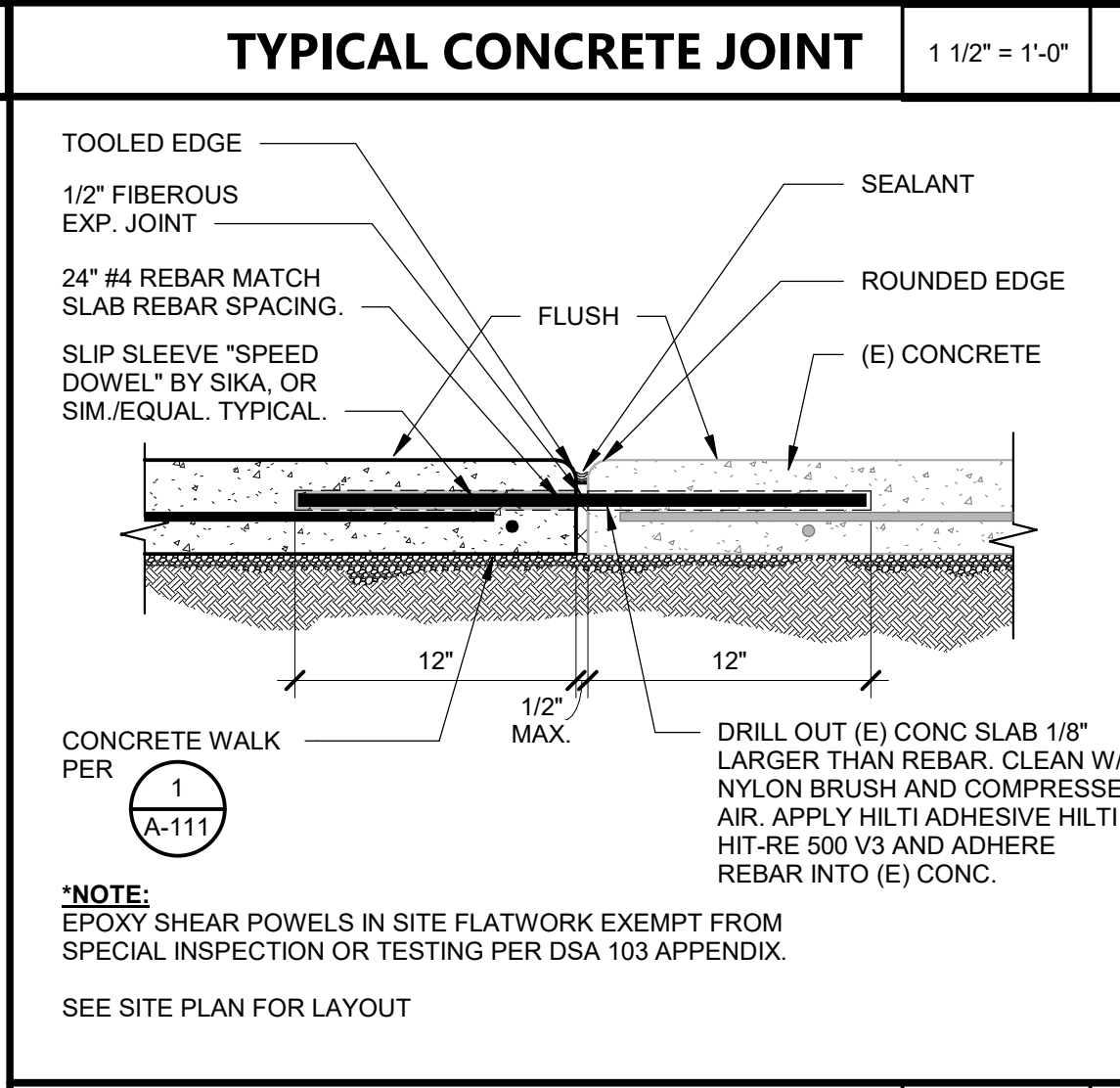
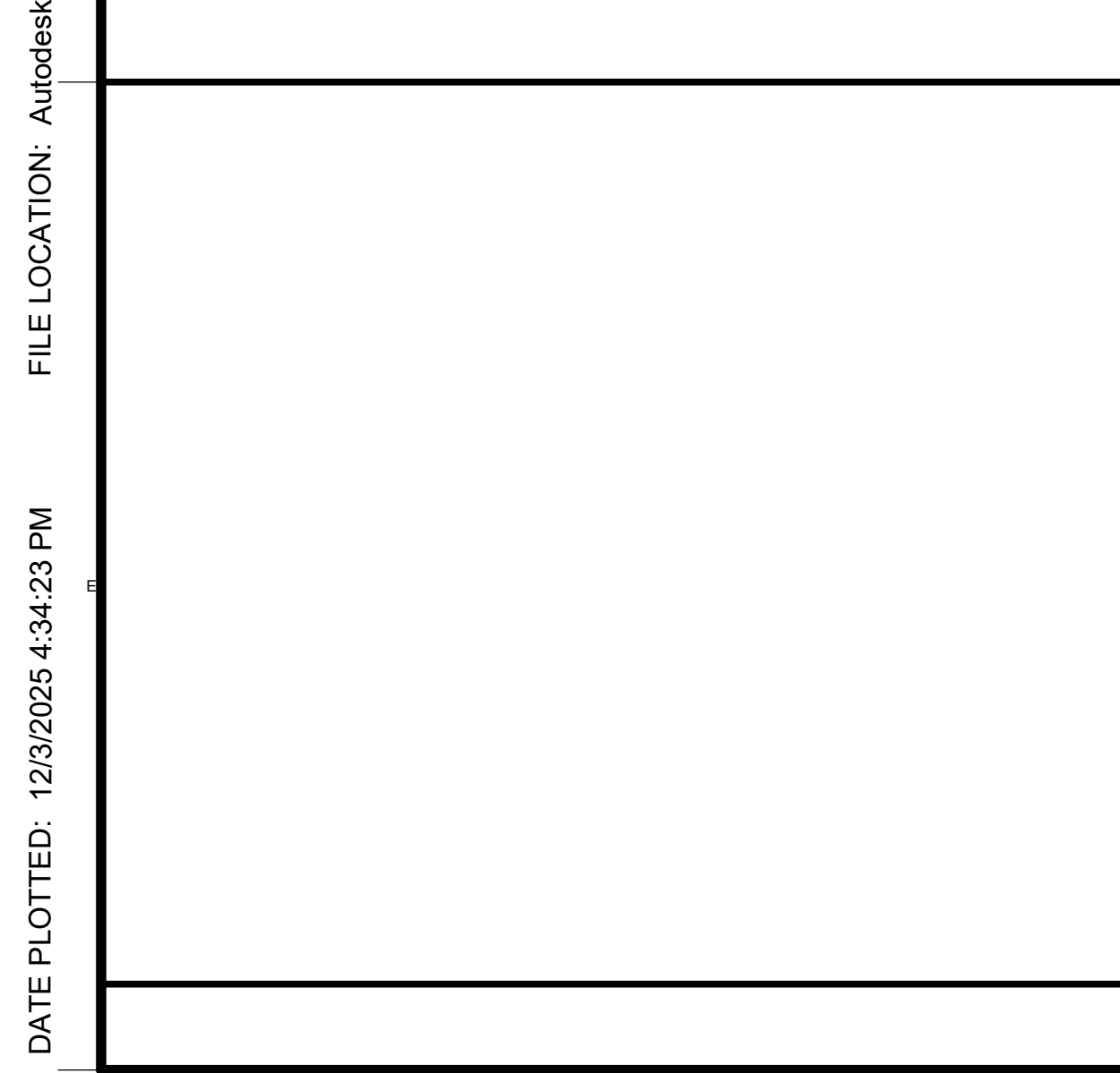
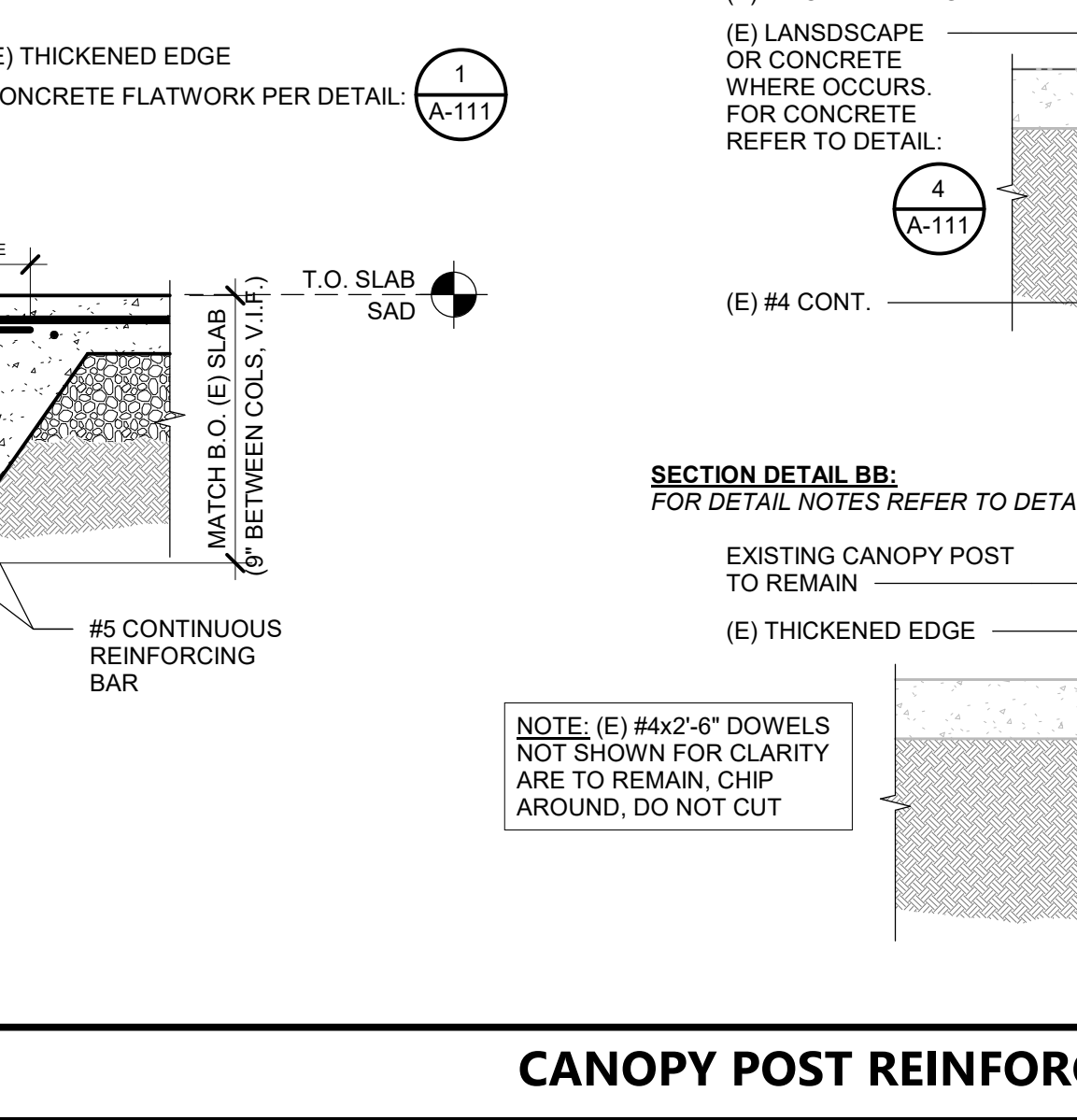
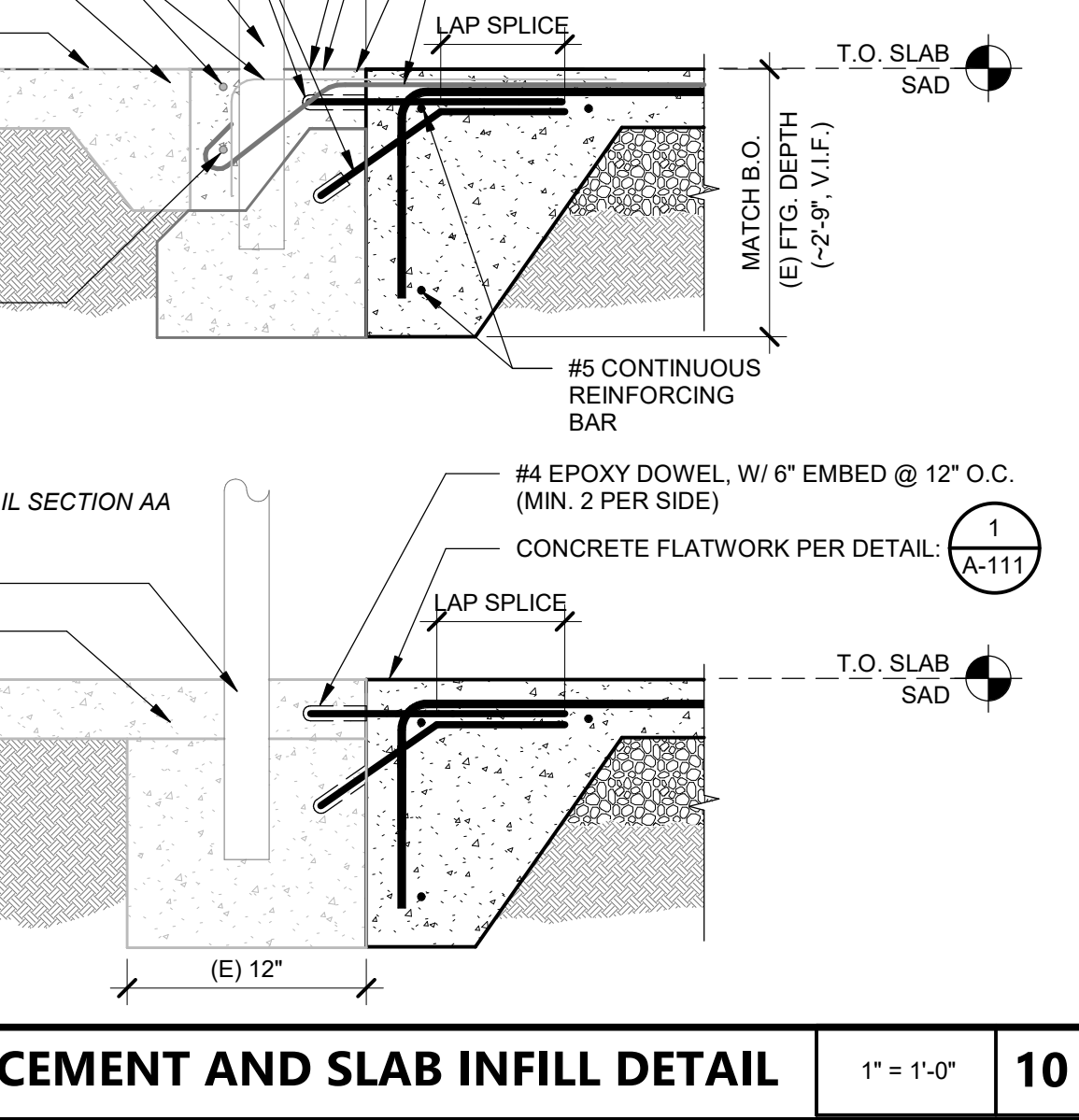
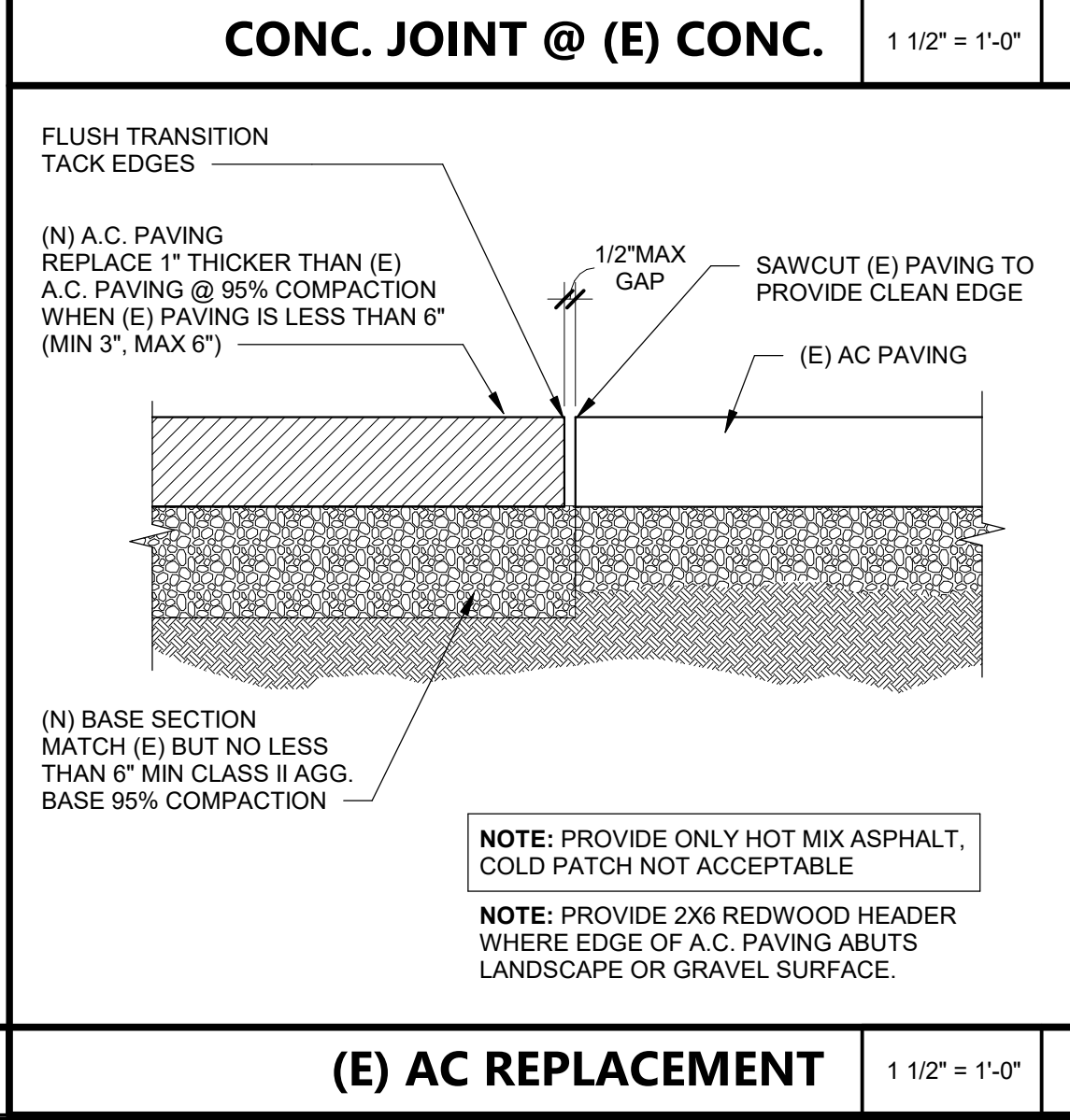


10

1/4" = 1'-0" **20**

10

FILE LOCATION: Autocad Docs:\24411 South SF High School - Special Needs\24411.01 SSFHS BLDG C SPED_A24.rvt
DATE PLOTTED: 12/3/2025 4:34:23 PM

	<p>RAILING POST FOOTING</p> <p>1" = 1'-0"</p> <p>11</p>	<p>NOT USED</p>				<p>AGENCY APPROVAL: DSA</p> <p>01-122274</p> <p>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 01-122274 INC. REVIEWED FOR SS FLS ACS DATE: 01/26/2026</p> <p>196</p> <p>185 CLARA STREET, SUITE 101A SAN FRANCISCO, CA 94107 TEL (628) 212-9200</p>						
	<p>ACCESSIBLE CURB CUT</p> <p>1" = 1'-0"</p> <p>13</p>	<p>SSF CURBS AND GUTTERS</p> <p>1 1/2" = 1'-0"</p> <p>12</p>				<p>CONSULTANTS</p> <p>STRUCTURAL ENGINEER 1956X ARCHITECTS 1119 GARDEN STREET SANTA BARBARA CA 93101 TEL (805) 963-1210</p> <p>MECHANICAL ENGINEER CAPITAL ENGINEERING 11020 SUN CENTER DRIVE, SUITE 100 RANCHO CORDOVA, CA 95670 TEL (916) 851-3500</p> <p>ELECTRICAL ENGINEER CAPITAL ENGINEERING 11020 SUN CENTER DRIVE, SUITE 100 RANCHO CORDOVA, CA 95670 TEL (916) 851-3500</p> <p>FIRE PROTECTION ENGINEER CAPITAL ENGINEERING 11020 SUN CENTER DRIVE, SUITE 100 RANCHO CORDOVA, CA 95670 TEL (916) 851-3500</p>						
	<p>ACCESSIBLE DROP OFF ZONE</p> <p>3/16" = 1'-0"</p> <p>9</p>	<p>(N) CONC. @ (E) DOWNSPOUT</p> <p>1 1/2" = 1'-0"</p> <p>8</p>				<p>PROFESSIONAL STAMP</p> <p>DATE SIGNED: 12/04/2025</p> <p>REVISIONS</p> <table><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td>1</td><td>12/04/2025</td><td>ORIGINAL ISSUE DATE</td></tr></table> <p>THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.</p> <p>PROJECT OWNER & TITLE</p> <p>SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT</p> <p>398 B ST SOUTH SAN FRANCISCO, CA 94080</p> <p>SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4 400 B STREET SOUTH SAN FRANCISCO, CA 94080</p>	NO.	DATE	DESCRIPTION	1	12/04/2025	ORIGINAL ISSUE DATE
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1	12/04/2025	ORIGINAL ISSUE DATE										
	<p>CANOPY POST REINFORCEMENT AND SLAB INFILL DETAIL</p> <p>1" = 1'-0"</p> <p>10</p>	<p>(E) AC REPLACEMENT</p> <p>1 1/2" = 1'-0"</p> <p>5</p>				<p>SHEET TITLE</p> <p>SITE DETAILS</p> <p>SHEET ISSUE DATE: 12/04/25</p> <p>DRAWN BY: EW,HB</p> <p>JOB NUMBER: 24411.01</p> <p>SHEET NO.</p> <p>A-111</p>						
	<p>CANOPY POST REINFORCEMENT AND SLAB INFILL DETAIL</p> <p>1" = 1'-0"</p> <p>10</p>	<p>(E) AC REPLACEMENT</p> <p>1 1/2" = 1'-0"</p> <p>5</p>				<p>SHEET TITLE</p> <p>SITE DETAILS</p> <p>SHEET ISSUE DATE: 12/04/25</p> <p>DRAWN BY: EW,HB</p> <p>JOB NUMBER: 24411.01</p> <p>SHEET NO.</p> <p>A-111</p>						

FILE LOCATION: AutodesK Docs\24411_South SF_High School - Special Needs\24411.01_SSFHS BLDG C-SPED_A24.rvt

DATE PLOTTED: 12/3/2025 4:34:23 PM

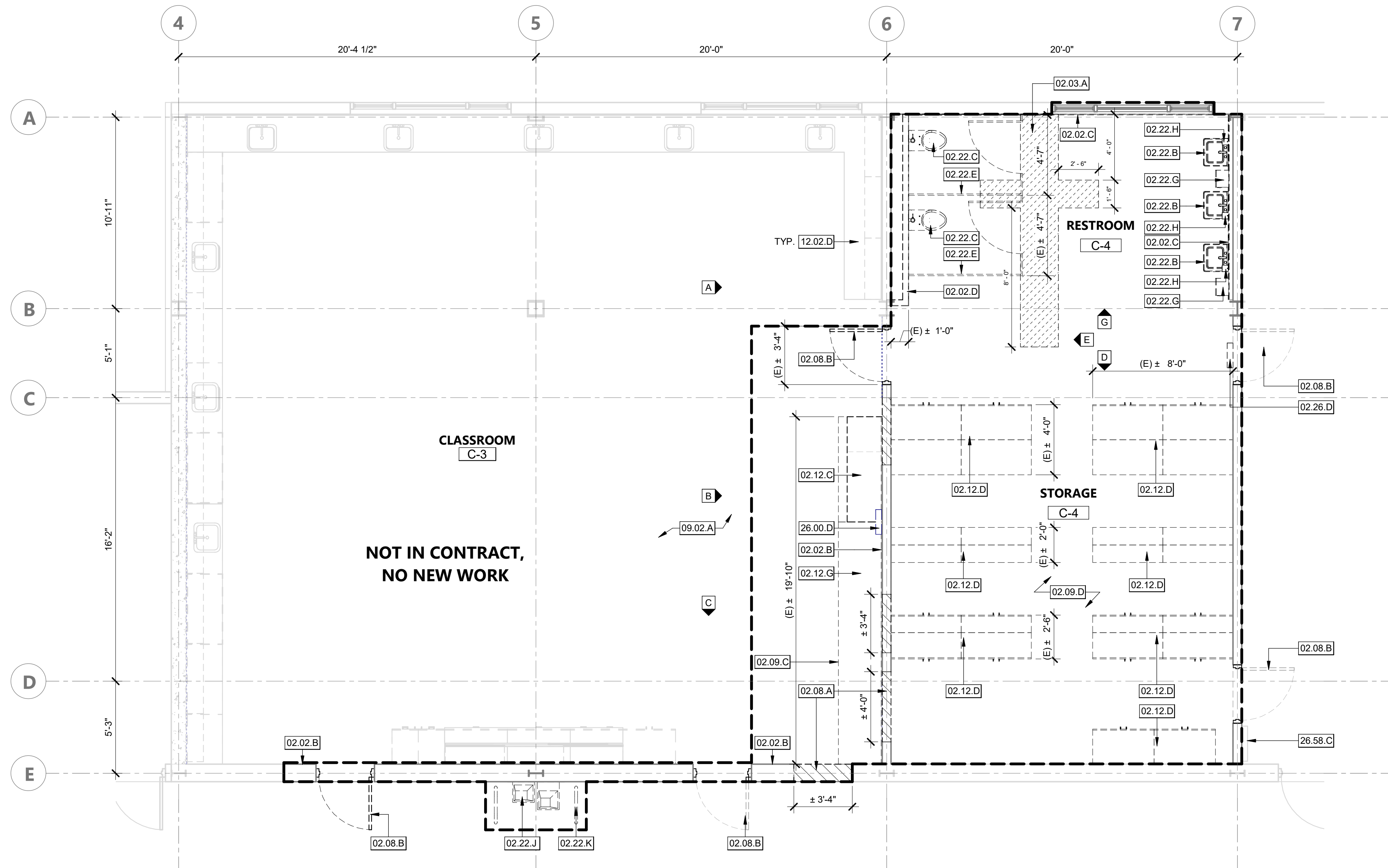
CONSTRUCTION DOCUMENTS



PHOTOS - EXISTING CONDITIONS

N.T.S.

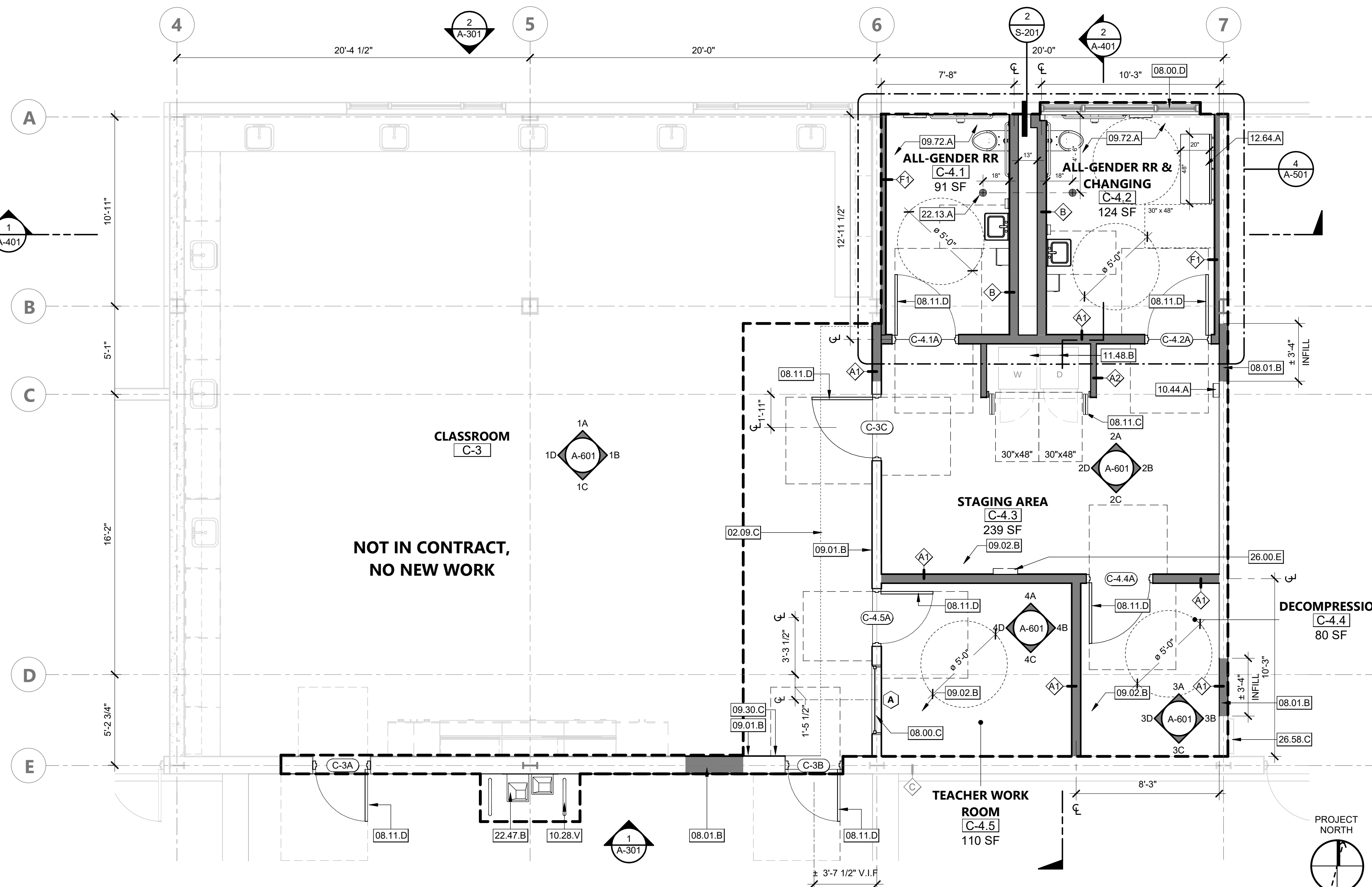
3



DEMO FLOOR PLAN

1/4" = 1'-0"

1



NEW FLOOR PLAN

1/4" = 1'-0"

2

KEYNOTES

- 02.02.B (E) WALL PANEL TO BE REMOVED. PROTECT SUBSTRATE AND PREP FOR NEW PAINT. TYP.
- 02.02.C (E) FRP PANEL TO BE REMOVED
- 02.02.D (E) PLUMBING WALL W/FRP HEIGHT FRP PANEL TO BE REMOVED
- 02.03.A SAW CUT (E) SLAB-ON-GRADE AS REQUIRED FOR PLUMBING DEMOLITION AND (N) WORK, INCLUDING (N) PLUMBING WALLS, SUPPLY, WASTE, AND VENT LINES. REFER TO PLUMBING AND STRUCTURAL DRAWINGS FOR EXTENT AND DETAILS.
- 02.08.A SELECTIVELY DEMOLISH (E) WALL SECTIONS AS REQUIRED TO CREATE (N) DOOR OR WINDOW OPENINGS. COORDINATE LOCATIONS AND SIZES WITH ELEVATIONS, DOOR AND WINDOW SCHEDULES, AND STRUCTURAL DRAWINGS. PREPARE (N) ROUGH DOORS TO RECEIVE (N) DOORS OR WINDOWS. SEE DETAIL 2/S-102.
- 02.08.B (E) DOOR AND FRAME TO BE REMOVED
- 02.09.C (E) VINYL TILE FLOORING TO REMAIN. PATCH FLOORING AS NEEDED AFTER CASEWORK REMOVAL
- 02.09.D (E) RUBBER WALL BASE, VINYL FLOORING, AND SUBSTRATE TO BE REMOVED
- 02.09.E (E) RUBBER WALL BASE TO BE REMOVED
- 02.12.B (E) BASE CABINET TO BE REMOVED
- 02.12.C (E) UPPER CABINET TO BE REMOVED
- 02.12.D (E) CABINET TO BE REMOVED
- 02.12.G (E) COUNTER, BACKSPLASH AND SUPPORTS TO BE REMOVED
- 02.22.B (E) SINK TO BE REMOVED. WATER AND WASTE PIPES TO BE CAPPED.
- 02.22.C (E) ONE PIECE TOILET TO BE REMOVE
- 02.22.E (E) ACCESSIBLE TOILET STALL TO BE REMOVED
- 02.22.G (E) TOWEL DISPENSER TO BE REMOVED AND RETURNED TO THE DISTRICT
- 02.22.H (E) SOAP DISPENSER TO BE REMOVED AND RETURNED TO THE DISTRICT
- 02.22.J REMOVE (E) OF. PROVIDE (N) FIXTURE IN KIND AND RECONNECT TO EXISTING PLUMBING CONNECTIONS
- 02.22.K (E) SAFETY RAIL TO BE REMOVED
- 02.26.D (E) CLOCK AND VOA. SYSTEM TO BE REMOVED
- 08.00.B (E) WINDOW TO REMAIN. PROTECT IN-PLACE FROM ADJACENT WORK
- 08.00.C (N) WINDOW, SEE WINDOW SCHEDULE
- 08.00.D (E) WINDOW TO REMAIN. PROTECT IN-PLACE FROM ADJACENT WORK PRIVACY FILM TO BE ADDED TO WINDOW
- 08.01.B INFILL WALL AT (E) REMOVED DOOR. SEE STRUCTURAL DETAIL 6/S-102. (E) TACK BOARD TO BE PATCHED AND REPAIRED
- 08.11.C (N) FOLDING DOOR TO ACCESS WASHER & DRYER, PER MANUFACTURER. SEE DETAILS 5 AND 10/A-801.
- 08.11.D (N) DOOR, SEE DOOR SCHEDULE
- 09.01.B (N) VINYL TACKBOARD PANELS TO MATCH EXISTING. SEE DETAIL 1/A-921
- 09.02.A (E) FLOOR TO REMAIN
- 09.02.B (N) VINYL TILES
- 09.30.C (N) 4" VINYL WALL BASE, CONTINUOUS ROLL
- 09.72.A (N) EPOXY FLOORING. SEE FINISH SCHEDULE
- 09.84.A (E) ACT-1 2'-0" x 4'-0" ACOUSTICAL CEILING PANELS TO REMAIN, PROTECT IN-PLACE DURING ADJACENT WORK
- 10.28.V (N) RAILING, ON EA SIDE. SEE DETAIL 05/A-101
- 10.44.A (N) FIRE EXTINGUISHER
- 11.48.B (N) OWNER FURNISHED. CONTRACTOR INSTALLED WASHER & DRYER UNITS COMPLYING WITH CBC 11B-811.
- 12.02.D (E) BASE/UPPER CABINET AND COUNTERTOP TO REMAIN
- 12.64.A (N) ACCESSIBLE BENCH AGAINST WALL. SEE DETAIL 18/G-900.
- 22.13.A (N) FLOOR DRAIN. SEE PLUMBING DRAWINGS.
- 22.47.B (N) H/L/O DRINKING FOUNTAIN REPLACING EXISTING. SEE DETAIL 2/A-701
- 26.00.C (E) WALL MOUNTED MONITOR. SALVAGE AND RETURN TO DISTRICT. TV MOUNTING RACK TO BE REMOVED
- 26.00.D (E) CLOCK AND SPEAKER TO REMAIN AND BE PROTECTED DURING CONSTRUCTION
- 26.00.E (N) CLOCK AND VOA. SYSTEM
- 26.00.F (E) ELECTRICAL RACEWAY TO BE REMOVED
- 26.00.G (E) VOA. SYSTEM. PROTECT DURING CONSTRUCTION
- 26.20.A (E) OCCUPANCY SENSOR TO REMAIN. PROTECT DURING CONSTRUCTION
- 26.58.C (E) ELECTRICAL PANEL TO REMAIN AND BE PROTECTED DURING CONSTRUCTION

LEGEND - DEMO GENERAL NOTES

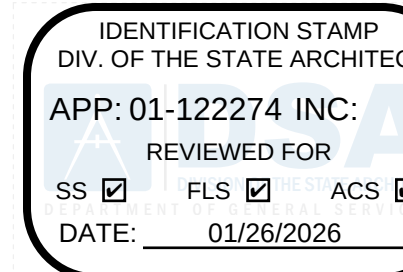
- SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.
- DEVICES SPECIFICALLY CALLED OUT ON PLANS SHALL BE PROTECTED AND/OR SALVAGED. CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO DEMO START OF ANY ITEMS, NOT LISTED HERE AFTER, WHICH ARE WITHIN THE AREA OF WORK.
 - A. ALARM AND SPEAKER AT C3 - PROTECT IN PLACE
 - B. MONITOR AND ARM SUPPORT AT C3 - SALVAGE AND RETURN TO DISTRICT
 - C. ALARM AND SPEAKER AT C4 - REMOVE AND REINSTALL IN NEW LOCATION
 - D. CASEWORK AT C3 AND C4 - TO BE DEMOED
 - E. FA DEVICES - SALVAGE AND RETURN TO DISTRICT
 - F. RESTROOM ACCESSORIES (E.G. SOAP DISPENSER, TOWEL DISPENSER, AND TP DISPENSER)
- CONTRACTOR TO REVIEW HAZ MAT REPORT FURNISHED BY THE OWNER PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL NOTIFY THE OWNER OF ANY DEVIATIONS FROM HAZ MAT REPORT OBSERVED ON SITE DURING DEMOLITION
- NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

FLOOR PLAN GENERAL NOTES

- ALL INTERIOR CONSTRUCTION ON THIS PROJECT IS DESIGNATED "AIRTIGHT" FOR THE PURPOSES OF SOUND ISOLATION AND NOISE CONTROL. THE REQUIREMENTS FOR AIRTIGHT CONSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO, THE REQUIREMENTS DESCRIBED IN THE SPECIFICATIONS AND THE DETAILS SHOWN ON DRAWING SHEET A-901. ALL NECESSARY PRODUCTS AND DETAILING SHALL BE PROVIDED TO ACHIEVE AIRTIGHT/LEAKPROOF CONSTRUCTION, WHETHER OR NOT THOSE PRODUCTS, OR DETAILS, ARE SPECIFICALLY DESCRIBED OR SHOWN IN THE PROJECT DOCUMENTS.
- ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD OR CENTERLINE OF COLUMN.
- ALL EXPOSED STEEL TO BE GALVANIZED AND PAINTED.
- ALL EXPOSED PIPES, STRUCTURE, AND CONDUIT TO BE PAINTED.
- ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

LEGEND - FLOOR PLAN

- ROOM NAME** — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA
- AB — WALL TYPE TAG
(101AA) — DOOR TYPE TAG
A — WINDOW TYPE TAG
- NEW CONSTRUCTION
EXISTING
DEMOLITION
PHOTO KEY



196

185 CLARA STREET, SUITE 101A
SAN FRANCISCO, CA 94107
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PROFESSIONAL STAMP DATE SIGNED: 12/04/2025

REVISIONS ORIGINAL ISSUE DATE: 12/04/2025

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PROJECT OWNER & TITLE
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
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SOUTH SAN FRANCISCO, CA 94080

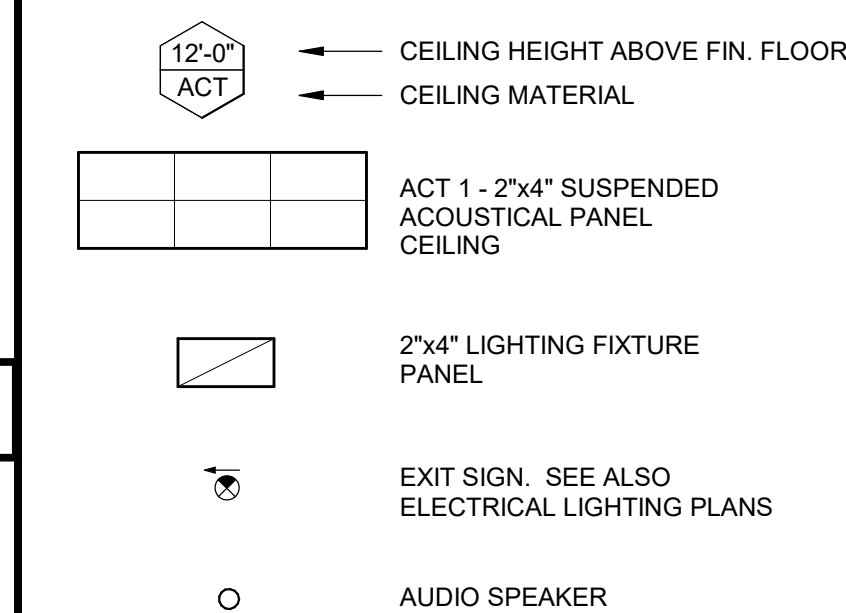
SHEET TITLE
DEMO AND NEW FLOOR PLANS - ROOMS C3 & C4

SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB JOB NUMBER: 24411.01

SHEET NO.

A-201



FIRE PROTECTION ENGINEER
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A-211



196

CONSULTANTS

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02.33.B PATCH AND REPAIR AT (E) DRINKING FOUNTAIN AND RAILINGS TO BE DEMOLISHED
08.00.D (E) WINDOW TO REMOVE, PROTECT IN-PLACE FROM ADJACENT WORK PRIVACY FILM TO BE ADDED TO WINDOW
08.11.A (N) FRP DOOR, SEE DOOR SCHEDULE
09.02.C PATCH AND PAINT CEMENT PLASTER TO MATCH (E)
09.02.D FIELD PAINT COLOR. SEE FINISH SCHEDULE
09.02.E WAINSCOT COLOR. SEE FINISH SCHEDULE
10.14.A ROOM SIGNAGE PER SCHEDULE
10.28.B (N) RAILING, ON EA SIDE. SEE DETAIL 05A-101
23.75.C REMOVE (E) GLAZING AT STATIONARY MECHANICALLY FASTENED TO MECHANICALLY FASTEN (N) STATIONARY LOUVER. SEE DETAIL 06A-201

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE SHEET A-802. FOR DOOR AND DOOR TRIM FINISH AND COLOR SEE FINISH SCHEDULE.
2. ALL STEEL TO BE GALVANIZED AND PAINTED.
3. EXTERIOR CEMENT PLASTER TO BE PAINTED. SEE FINISH SCHEDULE FOR DETAILS.
4. ALL WALL PATCHES TO BE PAINTED. MATCH EXISTING EXTERIOR WALL COLOR. PROVIDE A FLUSH TRANSITION BETWEEN EXISTING AND NEW SURFACES.

$1/4" = 1'-0"$	1
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**SOUTH SAN FRANCISCO HS -
ALTERATIONS TO ROOMS B-12 &
B-13, AND C-3 & C-4**
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET ISSUE DATE: 12/04/25

A-301



The site plan shows the layout of buildings at the University of Illinois at Chicago. Buildings are labeled A through K. Building C is highlighted in grey and contains two numbered points: 1 (a black triangle) and 2 (a black inverted triangle). A legend in the bottom left corner identifies three types of points: P-F1 (a black triangle), P-F2 (a black inverted triangle), and P-F3 (a black circle). A north arrow is located in the bottom right corner, pointing upwards.

PROJECT
NORTH

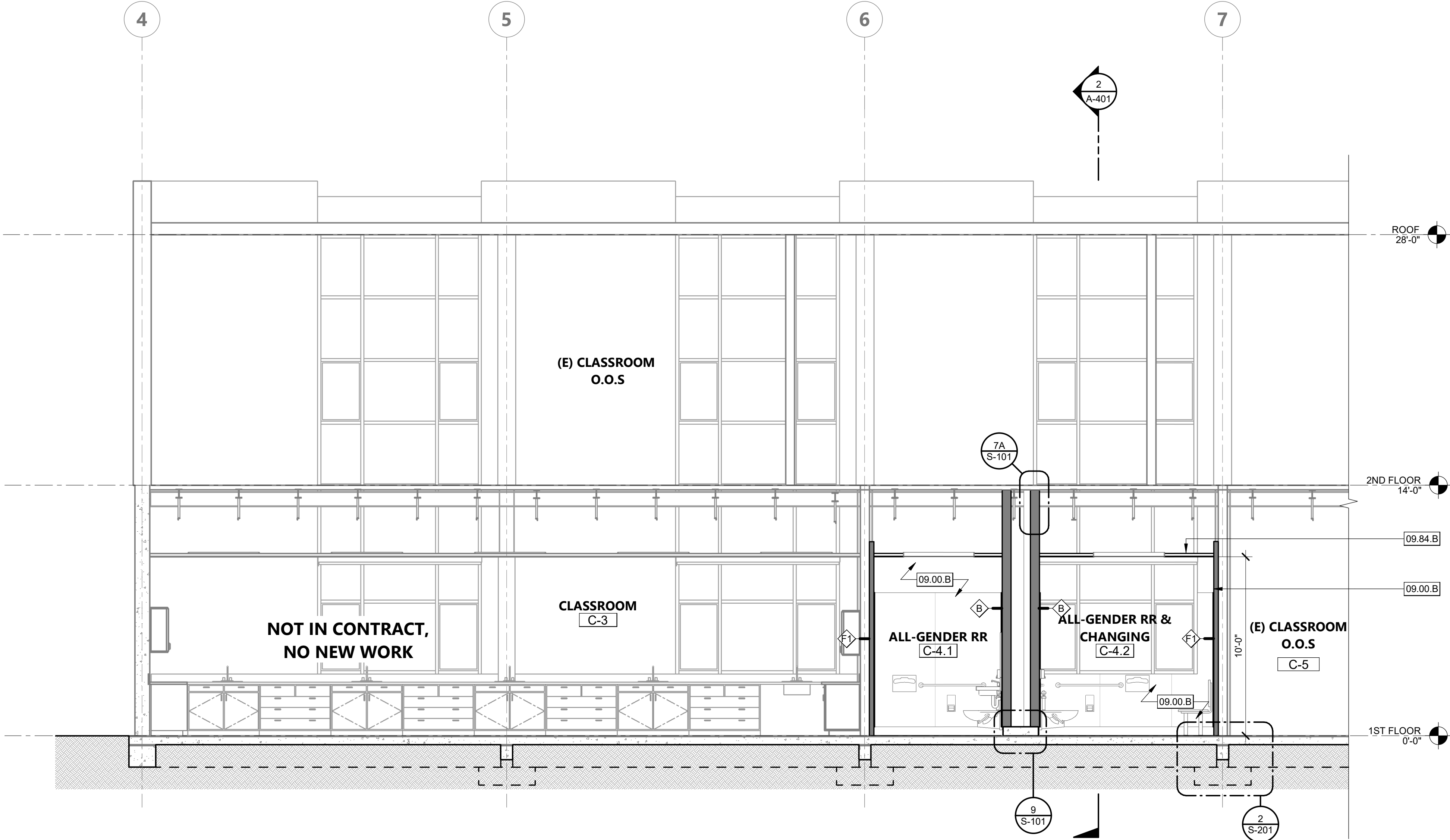


1/4" = 1'-0"	2
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DATE PLOTTED: 12/3/2025 4:34:44 PM

CONSTRUCTION DOCUMENTS

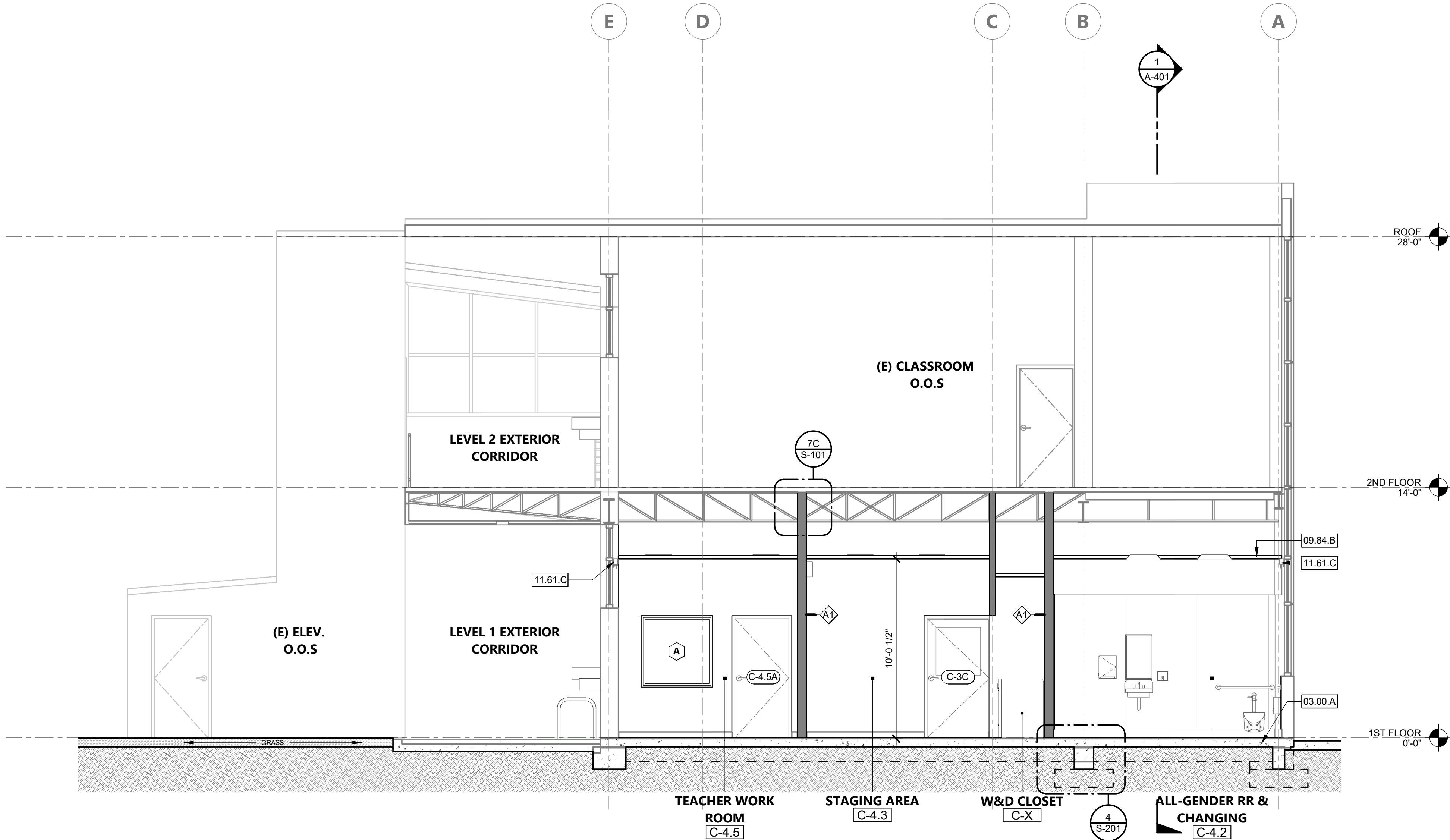
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DATE PLOTTED: 12/3/2025 4:34:49 PM



SECTION AA

1/4" = 1'-0"

1



SECTION BB

1/4" = 1'-0"

2

KEYNOTES

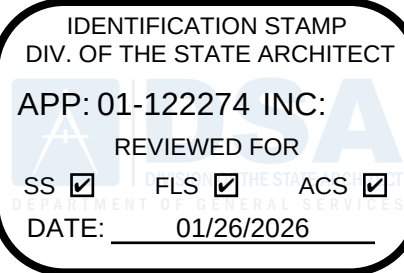
- 03.00.A (E) CONCRETE FOUNDATION TO REMAIN, S.S.D.
09.00.B (N) FRP PANEL ON RESTROOMS WALLS, TYP.
09.84.B (N) ACT-1 2'-0" x 4'-0" ACOUSTICAL CEILING PANELS, SEE SHEET A-922
11.61.C (E) WINDOW BLINDS TO REMAIN, PROTECT IN-PLACE FROM ADJACENT WORK

SECTIONS GENERAL NOTES

1. NOTE 1

AGENCY APPROVAL: DSA

01-122274



196

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DATE SIGNED: 12/04/2025



REVISIONS

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NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

SOUTH SAN FRANCISCO UNIFIED
SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS -
ALTERATIONS TO ROOMS B-12 &
B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE

BUILDING C SECTIONS

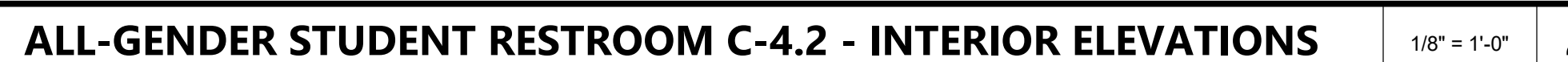
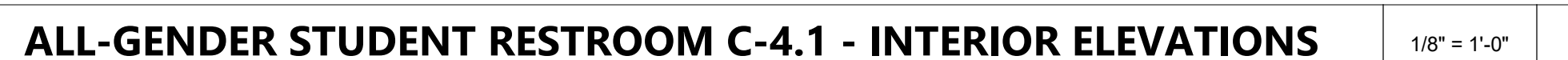
SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB

JOB NUMBER: 24411.01

SHEET NO.

A-401



08.00.B	(E) WINDOW TO REMAIN, PROTECT IN-PLACE FROM ADJACENT WORK
08.00.D	(E) WINDOW TO REMAIN, PROTECT IN-PLACE FROM ADJACENT WORK PRIVACY FILM TO BE ADDED TO WINDOW
09.00.B	(N) FRP PANEL ON RESTROOMS WALLS, TYP.
09.72.A	(N) EPOXY FLOORING, SEE FINISH SCHEDULE
09.72.B	(N) 6" HIGH CONTINUOUS EPOXY COVE BASE
10.28.A	(N) GRAB BAR, SEE DETAIL 8/A-921
10.28.B	(N) SURFACE MOUNT TOILET PAPER DISPENSER, SEE TYP BLOCKING DETAIL 9/A-921
10.28.C	(N) MIRROR, SEE DETAIL 4/A-921
10.28.G	(N) SURFACE MOUNT SOAP DISPENSER, SEE TYP BLOCKING DETAIL 9/A-921
10.28.M	(N) SURFACE MOUNT TOILET SEAT COVER DISPENSER, SEE TYP BLOCKING DETAIL 9/A-921
10.28.O	(N) SURFACE MOUNT PAPER TOWEL DISPENSER, SEE TYP BLOCKING DETAIL 9/A-921
12.64.A	(N) ACCESSIBLE BENCH AGAINST WALL, SEE DETAIL 18/G-900.
22.10.A	(N) WALL MOUNTED TOILET, SEE TYP BLOCKING DETAIL 9/A-921
22.10.D	VALVE STEM AND FLUSH CONTROL, SLBS MAX FORCE
22.13.A	(N) FLOOR DRAIN, SEE PLUMBING DRAWINGS.
22.43.A	(N) ACCESSIBLE WALL MOUNTED SINK, SEE TYP BLOCKING DETAIL 9/A-921

1. MOUNTING HEIGHTS SHOWN ARE TYPICAL, UNLESS OTHERWISE NOTED.
2. ALL ACCESSORIES SHALL BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 40" TO THE FINISH FLOOR.
3. SLOPE FLOORS 1/8" PER FOOT MINIMUM AND 1/4" PER FOOT MAXIMUM, UNLESS NOTED OTHERWISE.
4. SEE ENLARGED TOILET PLAN AND INTERIOR ELEVATION DRAWINGS FOR TOILET ACCESSORY LOCATIONS.
5. OWNER FURNISHED ACCESSORIES SHALL BE CONTRACTOR INSTALLED.
6. PROVIDE BACKING FOR GRAB BARS AND SHELVES PER DETAIL.
7. ALL FLOOR DRAINS SHALL HAVE 1/2" MAX. STRAINER OPENING IN ALL DIRECTIONS SEE DETAILS.
8. ALL DIMENSIONS FOR ACCESS COMPLIANCE ARE TO FACE OF FINISH.
9. PROVIDE UNDER LAVATORY GUARDS, MOLDED VINYL COVERING FOR SUPPLY AND DRAIN PIPING WITH FLIP TOP AT VALVE TO ALLOW SERVICE WITHOUT REMOVING COVERING.
10. THE SPACE BETWEEN WALL AND GRAB BAR SHALL BE 1" BLOW. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2" MIN. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12" MIN.
11. ALL MOUNTING HEIGHTS USE ADULT VALUES WITH NO EXCEPTIONS.

FIXTURE	ADULT
TOILET CENTERLINE FROM WALL	17"-18"
TOILET PAPER IN FRONT OF TOILET	7"-9"
TOILET SEAT HEIGHT (AT SEAT LID)	17"-19"
TOP OF GRAB BAR HEIGHT	33"-36"

36" MIN. CLR. FOR IN-SWINGING DOORS

30" MIN.

48" MIN.

WHEELCHAIR CLEAR SPACE

36" MIN. CLR. FOR IN-SWINGING DOORS

60" MIN.

WHEELCHAIR CLEAR SPACE

56" MIN.

60" MIN.

80" MIN.

77" MIN.

ACCESSIBLE STALL (SMALL)

[illegible]

The image contains two sets of technical drawings. The top set shows three views of a standard wall-mounted lavatory: a front view, a side view, and a top view. The front view shows a 24" MIN. clearance to the left, 36" MIN. to the right, and 17" MIN. to the top. The side view shows a 17" MIN. clearance to the left, 1 1/2" MIN. to the top, and 42" MIN. to the right. The top view shows a 17" MIN. clearance to the left, 34" to the right, and 17" MIN. to the front. A note indicates a 3" MAX. projection and 1 1/2" MIN. CLR. TO GRAB BAR/ RECESSED. The bottom set shows three views of a standard wall-mounted urinal: a front view, a side view, and a top view. The front view shows a 24" MIN. clearance to the left, 17" MAX. to the right, and 17" MIN. to the top. The side view shows a 14" MIN. clearance to the right. The top view shows a 24" MIN. clearance to the left, 17" MAX. to the right, and 17" MIN. to the top. A note indicates a 3" MAX. projection and 1 1/2" MIN. CLR. TO GRAB BAR/ RECESSED. The bottom set of drawings shows three views of an accessible lavatory: a front view, a side view, and a top view. The front view shows a 27" MIN. clearance to the left, 29" MIN. to the right, and 9" MIN. to the top. The side view shows a 27" MIN. clearance to the left, 29" MIN. to the right, and 9" MIN. to the top. The top view shows a 27" MIN. clearance to the left, 29" MIN. to the right, and 9" MIN. to the top. A note indicates a 3" MAX. projection and 1 1/2" MIN. CLR. TO GRAB BAR/ RECESSED. The bottom set of drawings shows three views of an accessible urinal: a front view, a side view, and a top view. The front view shows a 27" MIN. clearance to the left, 29" MIN. to the right, and 9" MIN. to the top. The side view shows a 27" MIN. clearance to the left, 29" MIN. to the right, and 9" MIN. to the top. The top view shows a 27" MIN. clearance to the left, 29" MIN. to the right, and 9" MIN. to the top. A note indicates a 3" MAX. projection and 1 1/2" MIN. CLR. TO GRAB BAR/ RECESSED.

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ED. ARA.
OF CALIF.

REVISIONS	ORIGINAL ISSUE DATE
△	12/04/2025

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SCHOOL DISTRICT**
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SOUTH SAN FRANCISCO, CA 94080

**SOUTH SAN FRANCISCO HS -
ALTERATIONS TO ROOMS B-12 &
B-13, AND C-3 & C-4**
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE
**ENLARGED PLANS AND
ELEVATIONS - ROOMS C4.1 &
C4.2**

SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB JOB NUMBER: 24411.01

SHEET NO.

A-501

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STATE OF CALIFORNIA

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SHEET TITLE
**ENLARGED DEMO AND NEW
PLANS AND RCP - STAFF
RESTROOMS**
SHEET ISSUE DATE: 12/04/25

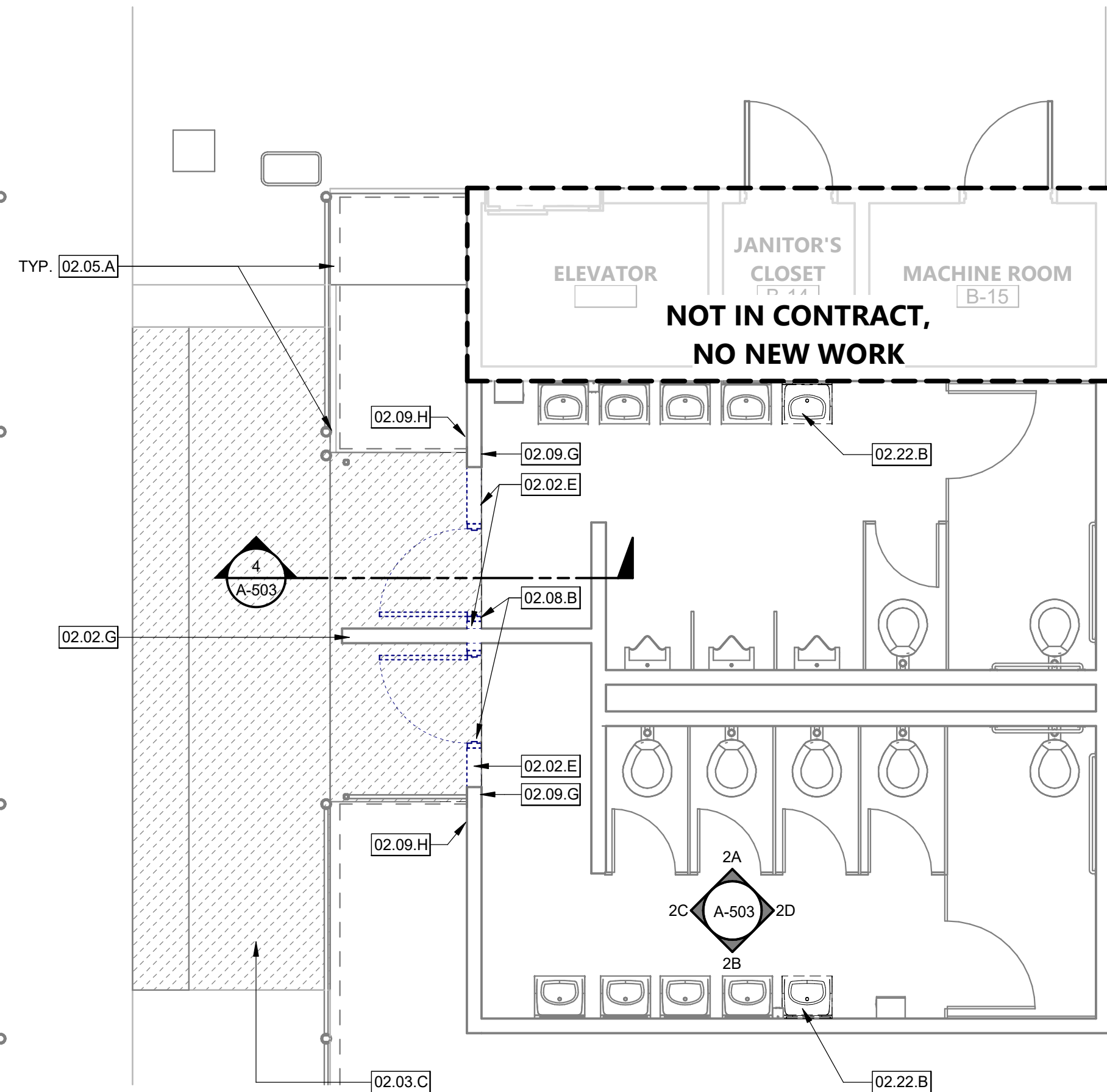
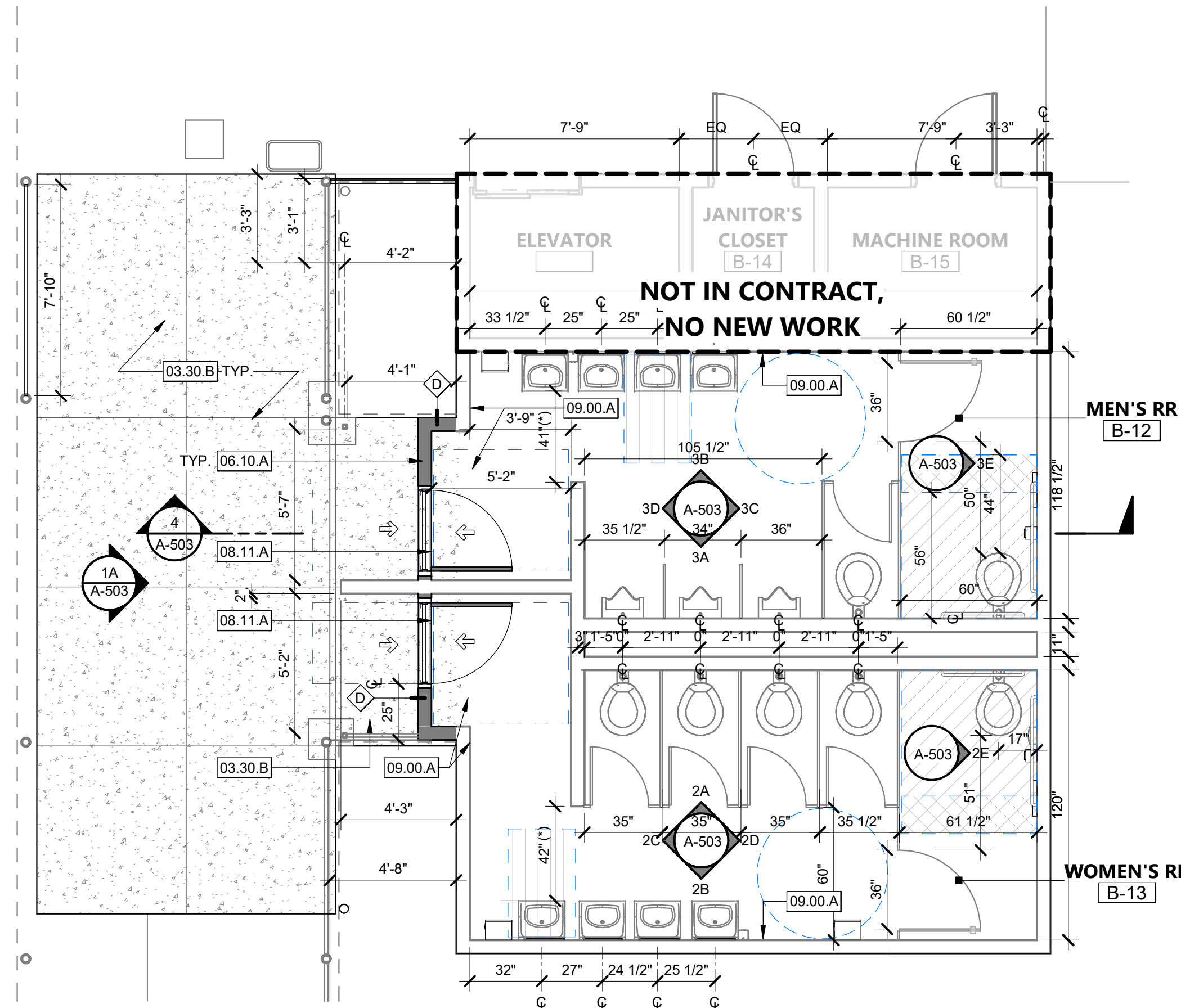
DRAWN BY: EW,HB JOB NUMBER: 24411.01

SHEET NC

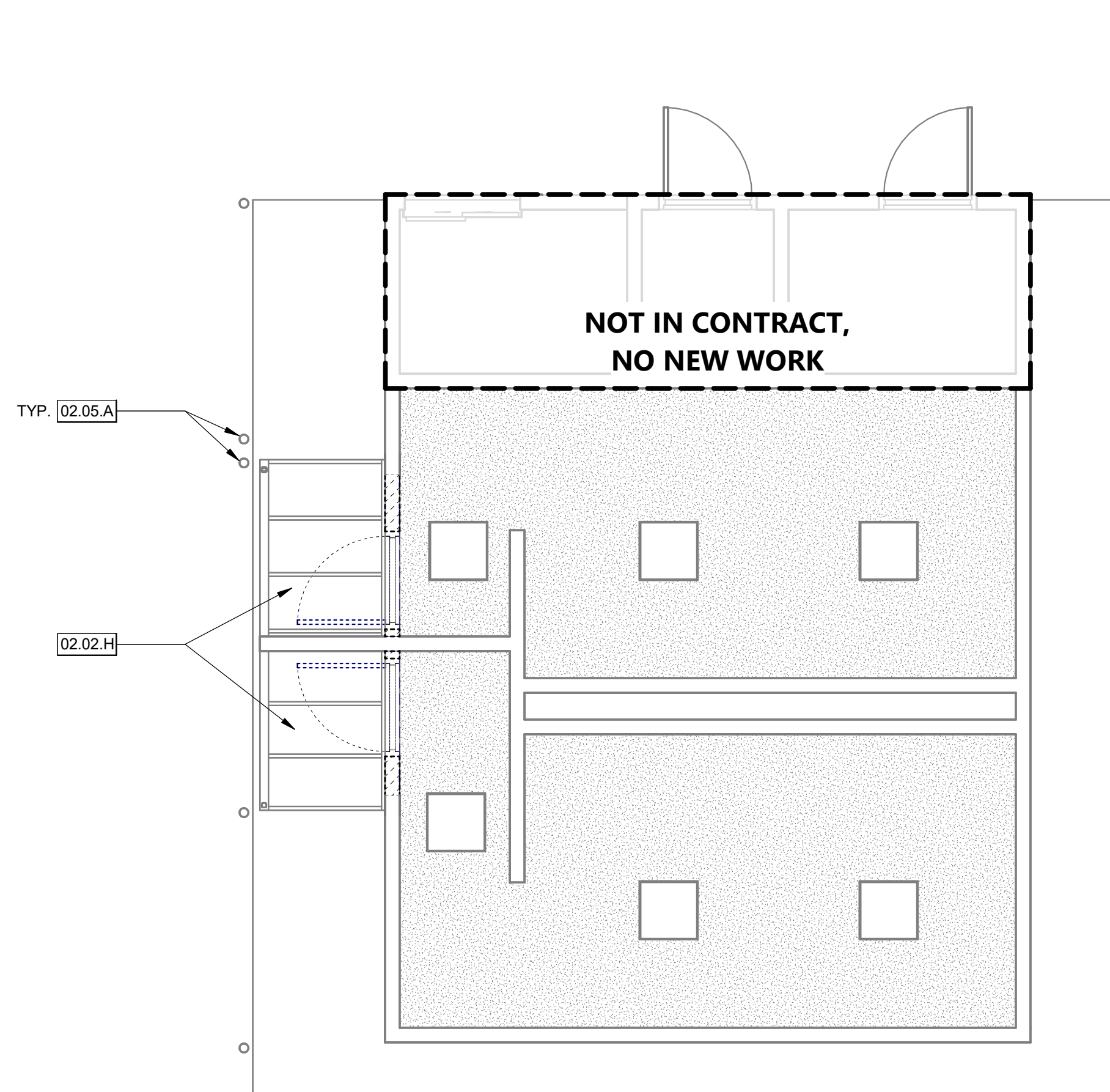
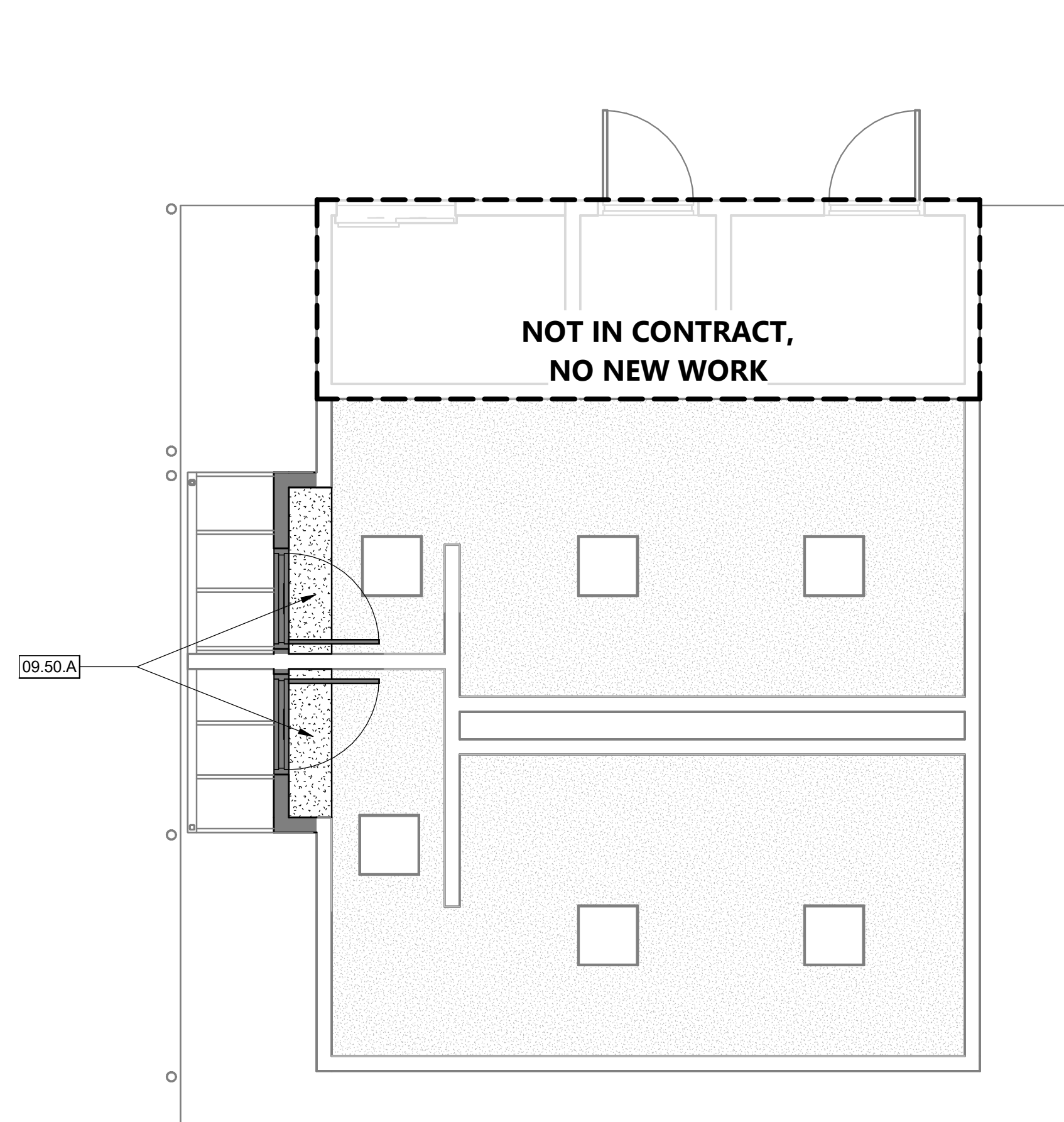
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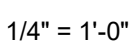
KEYNOTES

02.02.E	(E) WALL TO BE DEMOLISHED
02.02.G	(E) SHEAR WING WALL TO REMAIN. PROTECT FROM ADJACENT WORK
02.03.C	(E) FRAMED CANOPY TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
02.03.H	REMOVE PORTION OF (E) FLOOR AND SLAB; SEE ENLARGED ARCHITECTURAL PLANS AND STRUCTURAL DRAWINGS
02.05.A	(E) COVERED WALKWAY SUPPORT POSTS AND GUARDRAILS TO REMAIN. PROTECT FROM ADJACENT WORK
02.08.B	(E) DOOR AND FRAME TO BE REMOVED
02.09.G	REMOVE PORTION OF (E) TILE FINISH TO ALLOW OPERATIONS
02.09.H	REMOVE PORTION OF (E) STUCCO TO ALLOW (N) HEADER AND FRAMING INSTALLATION. SEE STRUCTURAL DRAWINGS FOR REFERENCE.
02.22.B	(E) SINK TO BE REMOVED. WATER AND WASTE PIPES TO BE CAPPED.
03.08	(N) CONCRETE PAD. SEE STRUCTURAL DRAWINGS
06.10.A	(N) WALL AND OPENING. SEE STRUCTURAL DRAWINGS.
08.11.A	(N) FRP DOOR. SEE DOOR SCHEDULE
09.00.A	PATCH AND REPAIR (E) FINISHES AT (E) WALL AND FLOOR.
09.50.A	(N) HARD LID CEILING AT (E) CANOPY. SEE STRUCTURAL DRAWINGS.


$$1/4'' = 1'-0''$$


(*) NOTE: 11B-202.4 EXCEPTION 8 APPROVED. SEE STATEMENT ON G-001

$$1/4'' = 1'-0''$$

$$1/4'' = 1'-0''$$

$$1/4'' = 1'-0''$$


$$1/4" = 1'-0"$$

$$1/4" = 1'-0"$$


A-503

6

5

4

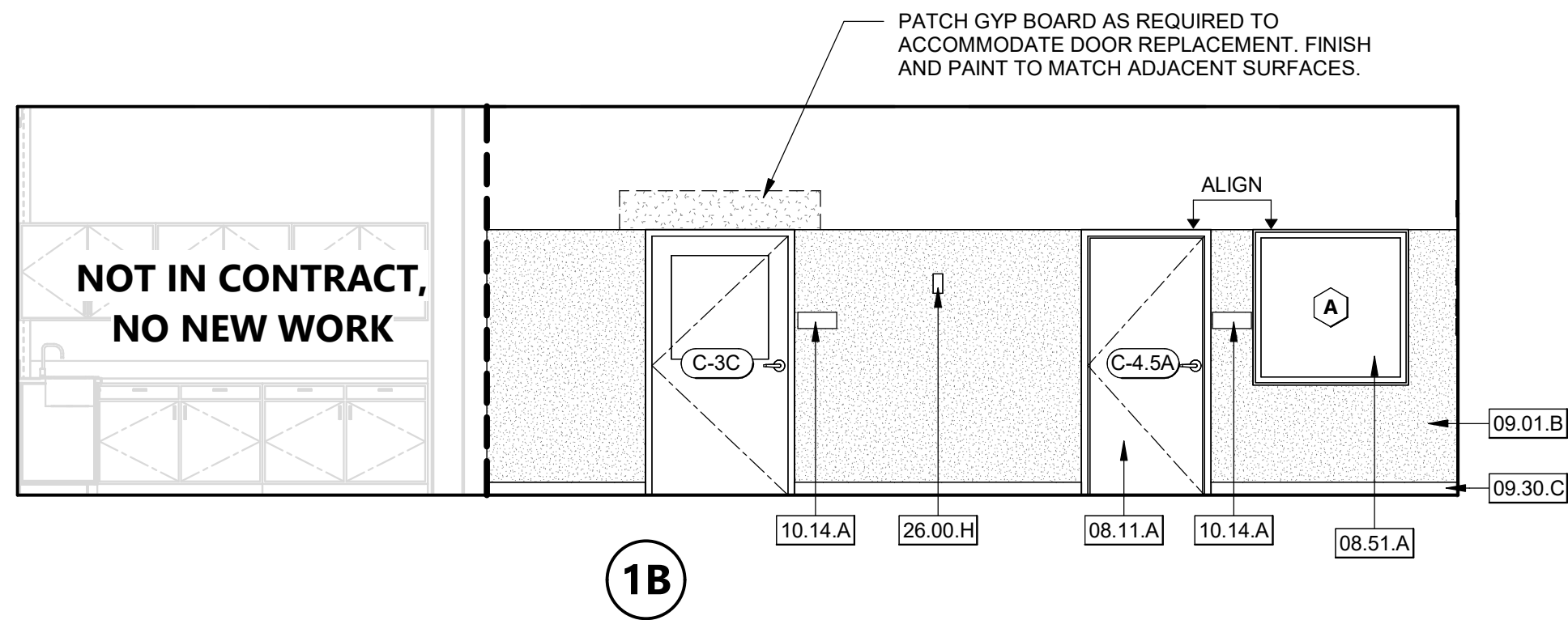
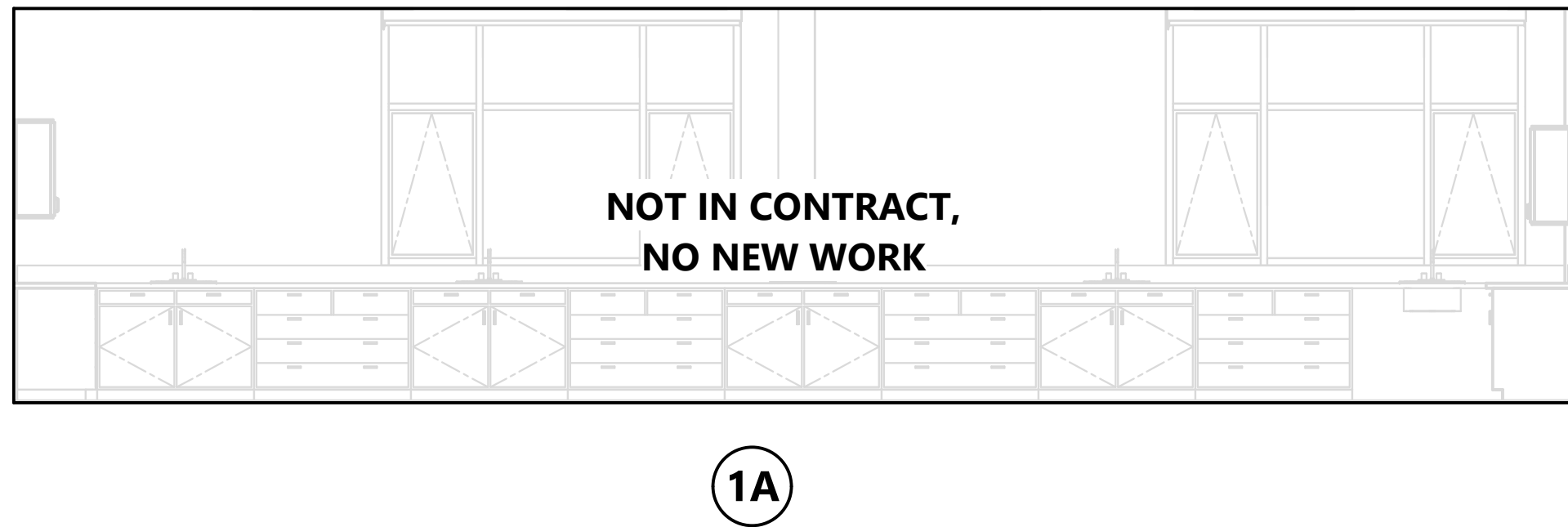
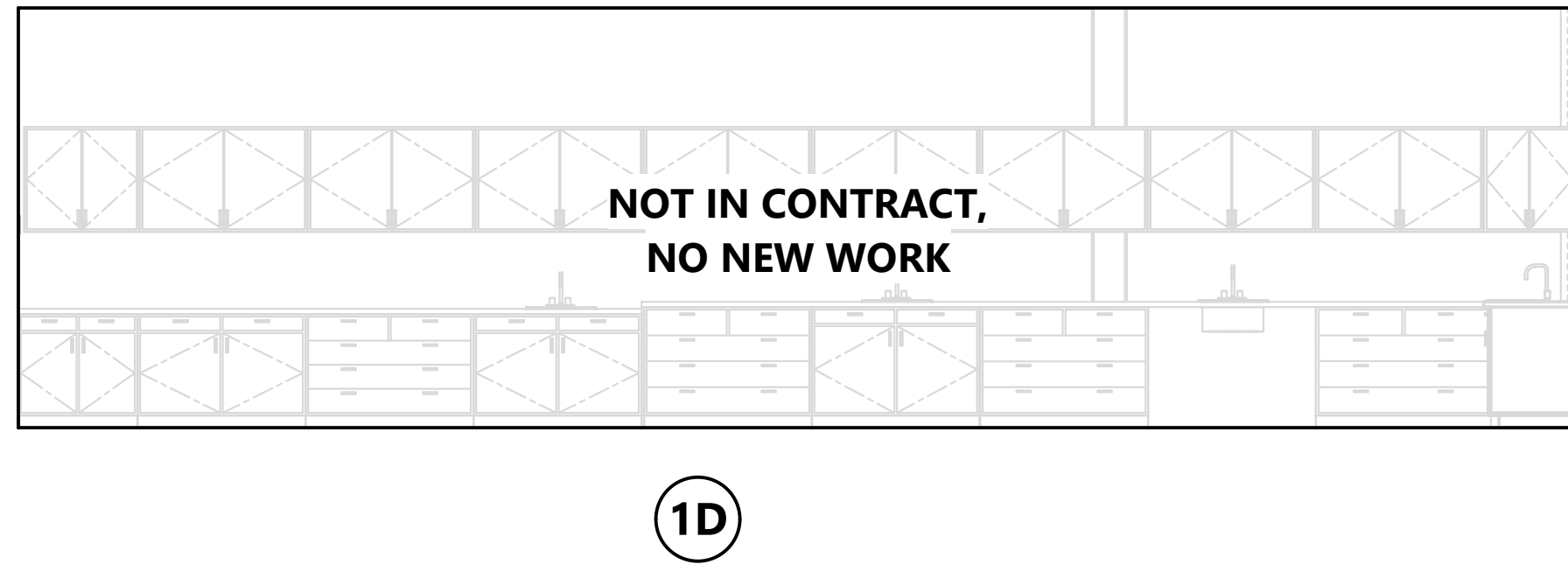
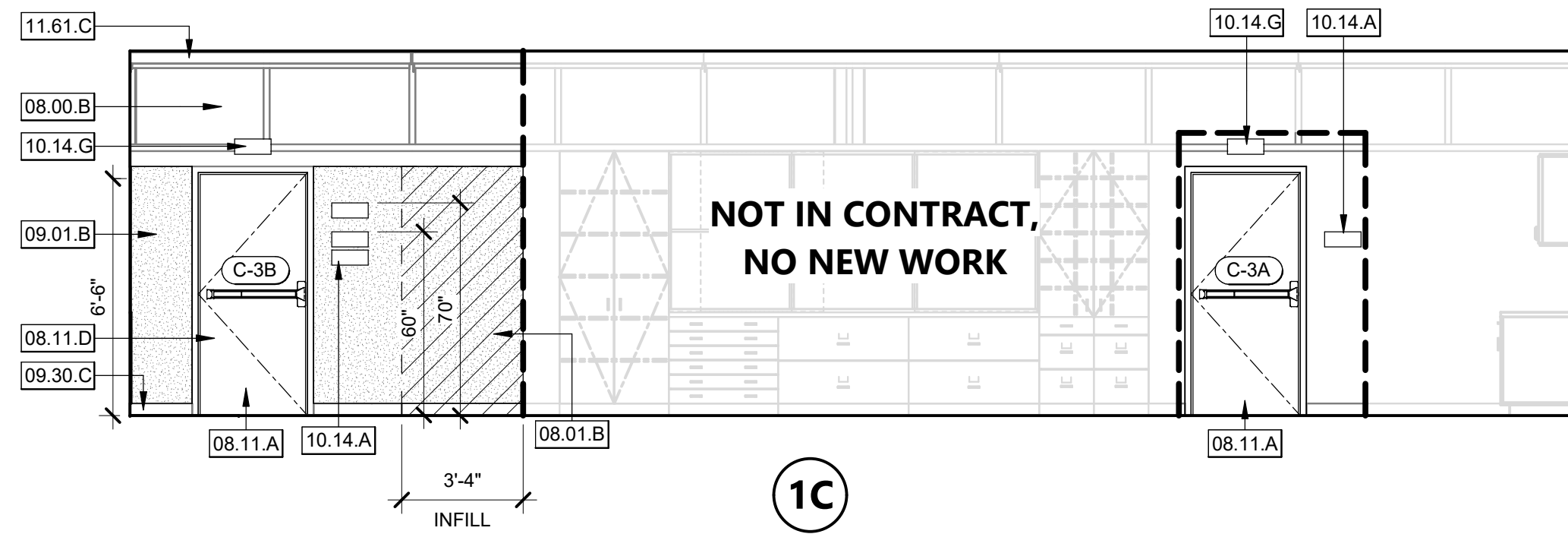
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2

1

AGENCY APPROVAL: DSA

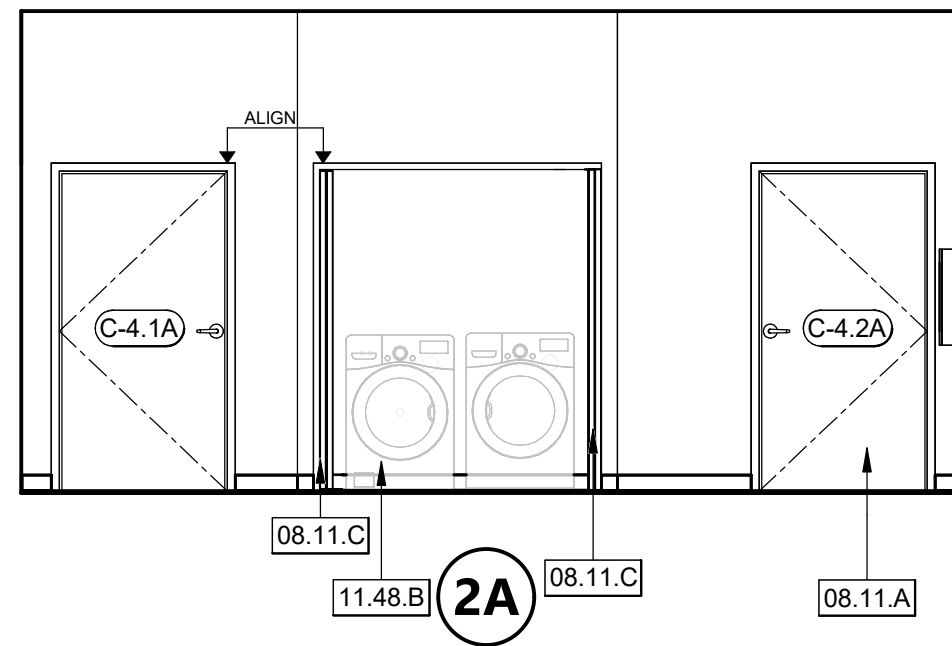
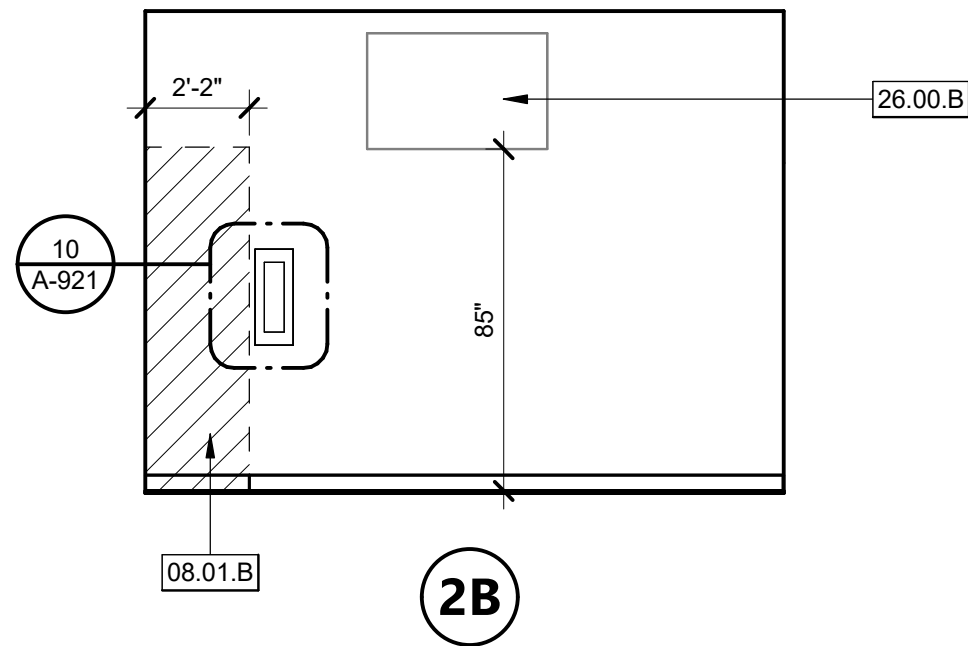
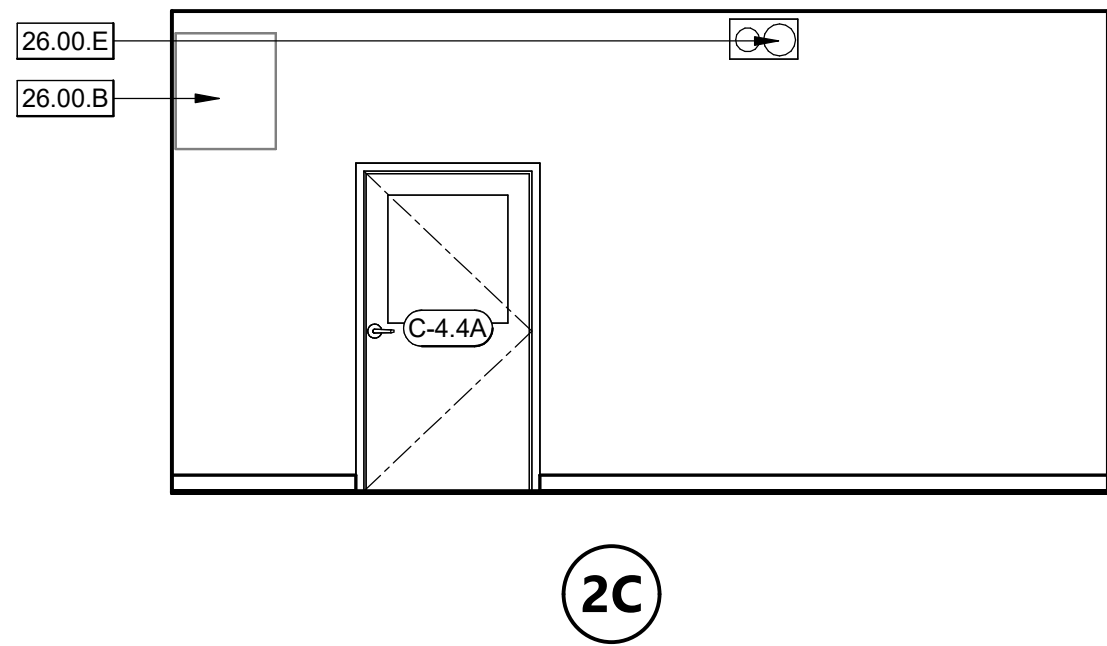
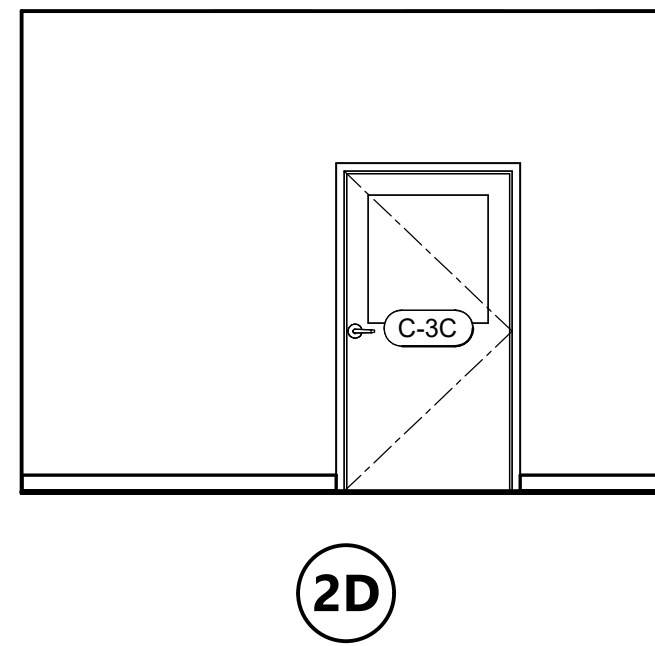
01-122274



SPECIAL NEEDS ROOM - C-3

1/4" = 1'-0"

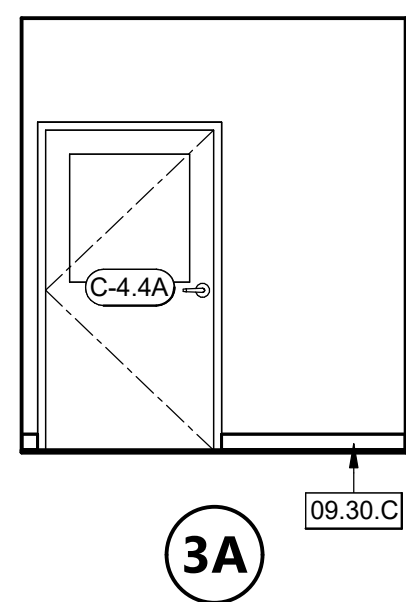
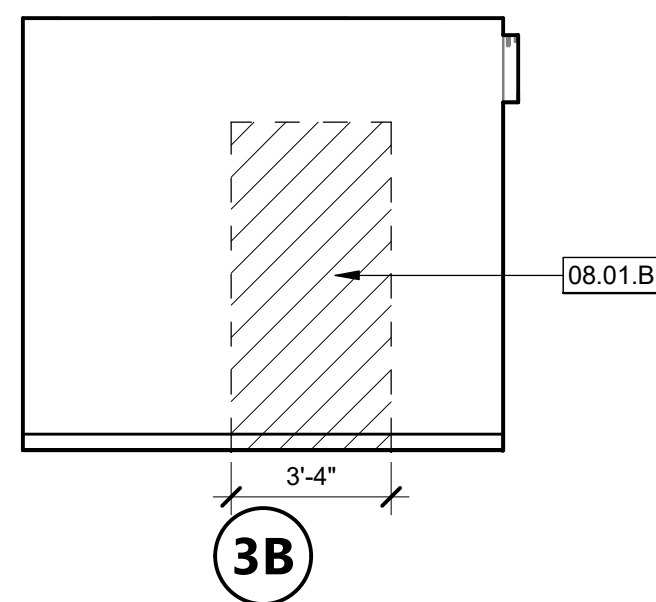
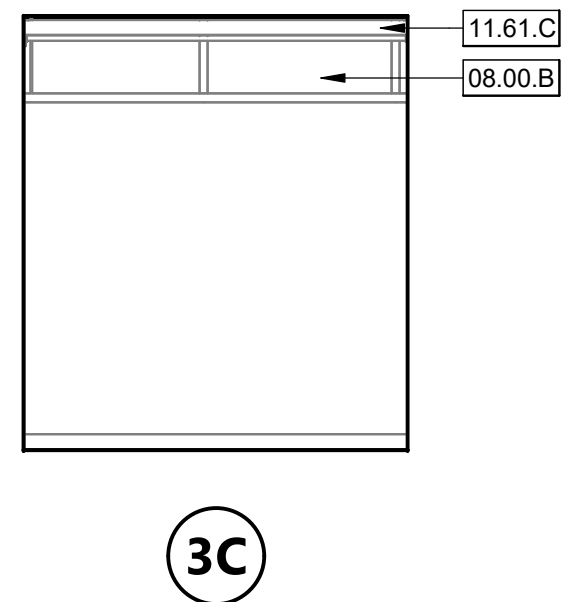
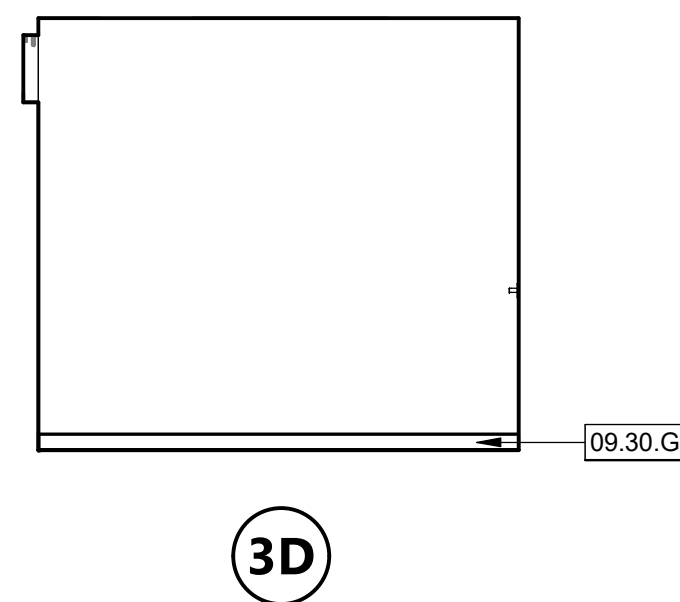
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STAGING AREA - C-4.3

1/4" = 1'-0"

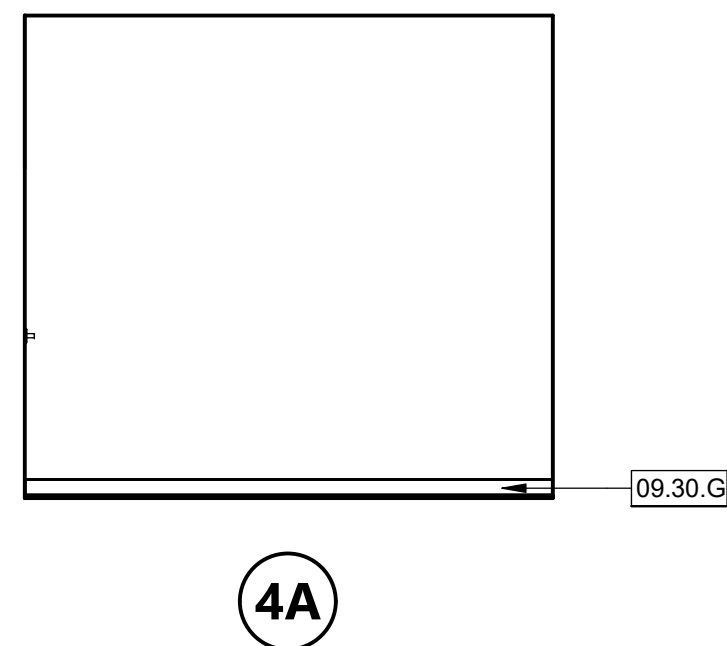
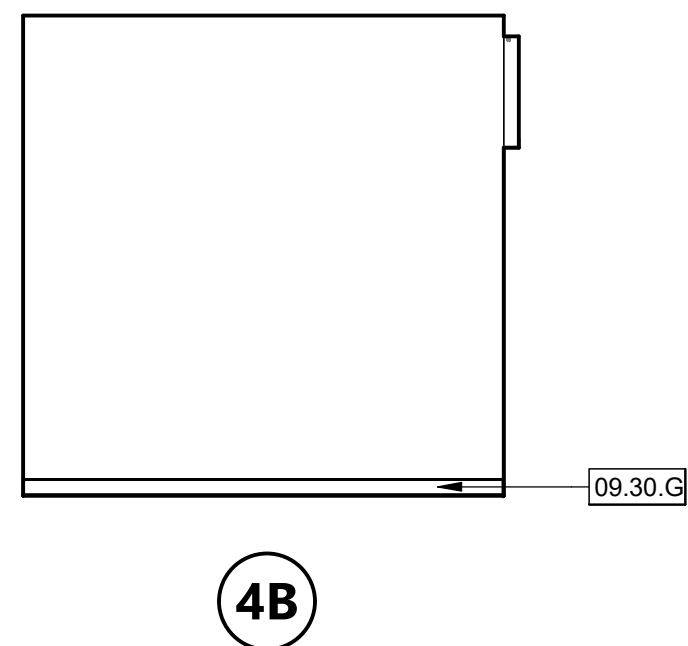
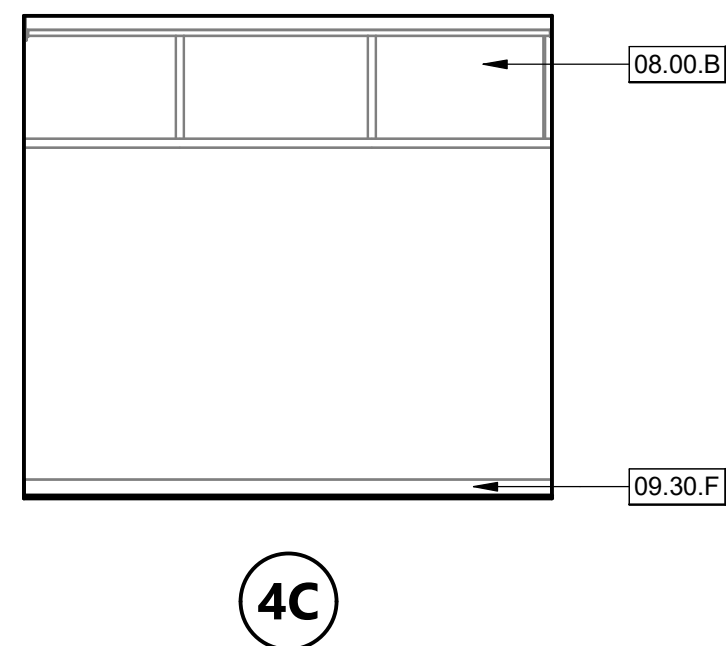
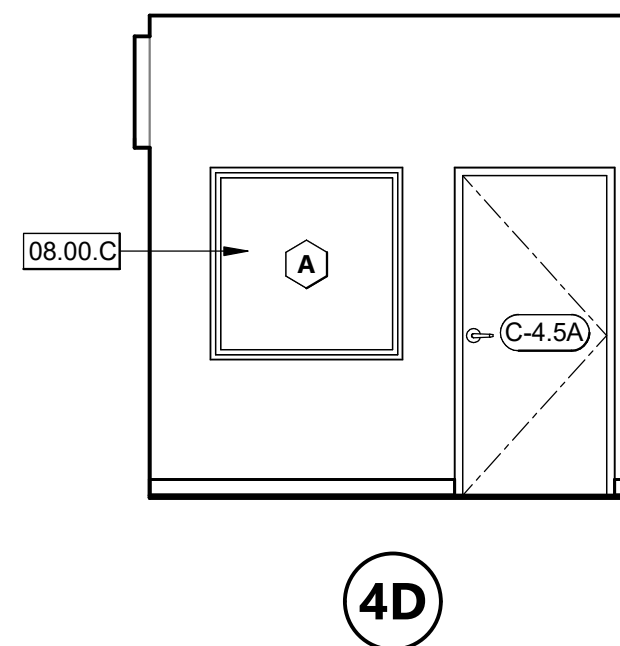
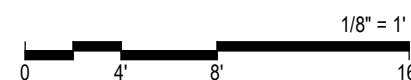
2



DECOMPRESSION - C-4.4

1/4" = 1'-0"

3



OFFICE - C-4.5

1/4" = 1'-0"

4

KEYNOTES

- 08.00.B (E) WINDOW TO REMAIN, PROTECT IN-PLACE FROM ADJACENT WORK
- 08.00.C (N) WINDOW, SEE WINDOW SCHEDULE
- 08.01.B INFILL WALL AT (E) REMOVED DOOR, SEE STRUCTURAL DETAIL 6/S-102, (E) TACK BOARD TO BE PATCHED AND REPAIRED.
- 08.11.A (N) FRP DOOR, SEE DOOR SCHEDULE
- 08.11.C (N) FOLDING DOOR TO ACCESS WASHER & DRYER, PER MANUFACTURER. SEE DETAILS S AND 10/A-901.
- 08.11.D (N) DOOR, SEE DOOR SCHEDULE
- 08.51.A FIXED ALUMINUM WINDOW
- 09.01.B (N) VINYL TACKBOARD PANELS TO MATCH EXISTING. SEE DETAIL 1/A-921
- 09.30.C (N) 4" VINYL WALL BASE, CONTINUOUS ROLL
- 09.30.F (E) WALL BASE, SEE FINISH PLANS
- 09.30.G (N) WALL BASE, SEE FINISH PLANS
- 10.14.A ROOM SIGNAGE PER SCHEDULE
- 10.14.G (N) ILLUMINATED EXIT SIGN
- 11.48.B (N) OWNER FURNISHED, CONTRACTOR INSTALLED WASHER & DRYER UNITS COMPLYING WITH CBC 11B-611.
- 11.61.C (E) WINDOW BLINDS TO REMAIN, PROTECT IN-PLACE FROM ADJACENT WORK
- 26.00.B (E) IDF HUNG BELOW (E) ACT TO REMAIN AND BE PROTECTED DURING CONSTRUCTION
- 26.00.E (N) CLOCK AND VOA SYSTEM
- 26.00.H (N) OUTLET FOR FUTURE MONITOR INSTALLATION

INTERIOR ELEVATION GENERAL NOTES

1. FOR WINDOW AND STOREFRONT SIZES AND MOUNTING HEIGHTS SEE SHEET A-801.
2. ALL STEEL TO BE GALVANIZED AND PAINTED.
3. PATCH AND REPAIR WORK AT BOTH INTERIOR AND EXTERIOR WALLS TO MATCH EXISTING FINISH AND PAINT COLOR; SEE A-251 FOR FINISH PLAN AND SCHEDULE.
4. (N) TACK WALL FINISH TO MATCH EXISTING; ALIGN (N) TO TOP OF (E) TACK WALL PANELS.

INTERIOR ELEVATION LEGEND

- ROOM NAME ROOM NAME
- 101 ROOM NUMBER
- WALL TYPE TAG
- 101AA DOOR TYPE TAG
- A WINDOW TYPE TAG
- (N) VINYL TACK BOARD PANEL
- GYP BOARD WALL, PAINTED, SEE FINISH SCHEDULE
- INFILL AT WALL

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12/04/2025

REVISIONS		ORIGINAL ISSUE DATE:	
NO.	DATE	DESCRIPTION	

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PROJECT OWNER & TITLE

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4

400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE

INTERIOR ELEVATIONS - ROOMS C3 & C4

SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB JOB NUMBER: 24411.01

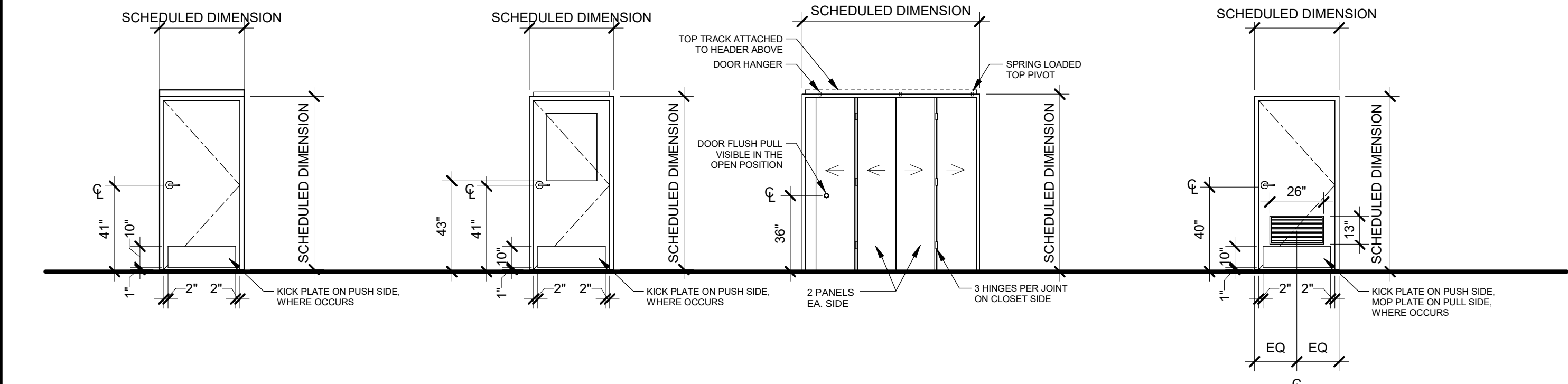
SHEET NO.

A-601

DOOR SCHEDULE																
MARK	FIRE RATING	SIZE			DOOR			FRAME			DETAILS			PANIC HARDWARE	HARDWARE GROUP	NOTES
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL			
B-12	NR	3'-0"	6'-8"	1 3/4"	D	FRP	P	A	HM	P	1/A-801	3/A-801	4/A-801	-	5	
B-13	NR	3'-0"	6'-8"	1 3/4"	D	FRP	P	A	HM	P	1/A-801	3/A-801	4/A-801	-	5	
C-3A	NR	3'-0"	6'-8"	1 3/4"	A	FRP	P	A	HM	P	1/A-801	3/A-801	4/A-801	P.H.	1	
C-3B	NR	3'-0"	6'-8"	1 3/4"	A	FRP	P	A	HM	P	1/A-801	3/A-801	4/A-801	P.H.	1	
C-3C	NR	3'-6"	6'-8"	1 3/4"	B	FRP	P	A	HM	P	8/A-801	9/A-801	11/A-801	-	3	
C-4-1A	NR	3'-6"	6'-8"	1 3/4"	A	FRP	P	A	HM	P	8/A-801	9/A-801	11/A-801	-	4	
C-4-2A	NR	3'-6"	6'-8"	1 3/4"	A	FRP	P	A	HM	P	8/A-801	9/A-801	11/A-801	-	4	
C-4-4A	NR	3'-6"	6'-8"	1 3/4"	B	FRP	P	A	HM	P	8/A-801	9/A-801	11/A-801	-	3	
C-4-5A	NR	3'-0"	6'-8"	1 3/4"	A	FRP	P	A	HM	P	8/A-801	9/A-801	11/A-801	-	2	
C-X	NR	6'-0"	6'-10"	1"	C	WD	WS	A	WD	P	10/A-801	5/A-801	-	6	BASIS OF DESIGN: FOLDSIDE 100	

NOTES:
1. ACTIVATING FORCE FOR OPERABLE PARTS SHALL NOT EXCEED 5 LBS PER 11B-309.4 (VIA 11B-404.2.7).
2. DOOR CLOSING SPEED 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, COMPLYING WITH 11B-404.2.8
3. DOOR OPENING FORCE TO PUSH OR PULL OPEN A HINGED, SLIDING, OR FOLDING DOOR SHALL NOT EXCEED 5LBS PER 11B-404.2.9

LEGEND - DOOR TYPES



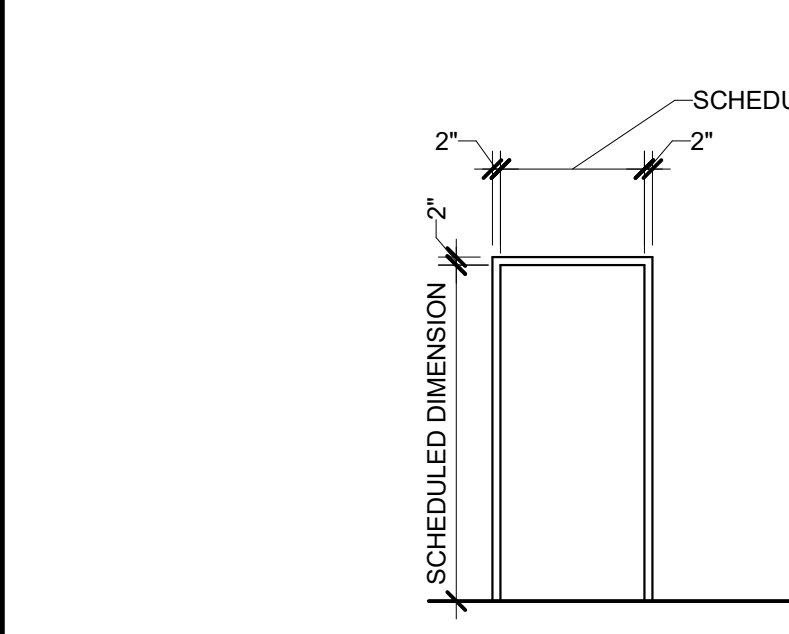
DOOR TYPE 'A'

DOOR TYPE 'B'

DOOR TYPE 'C'

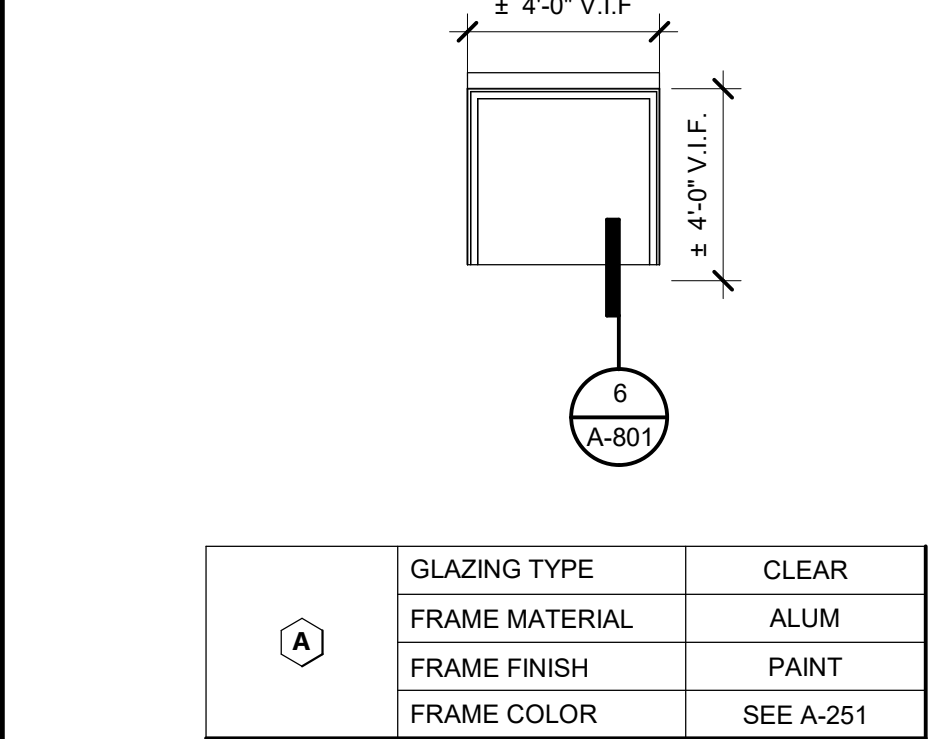
DOOR TYPE 'D'

LEGEND - DOOR FRAMES

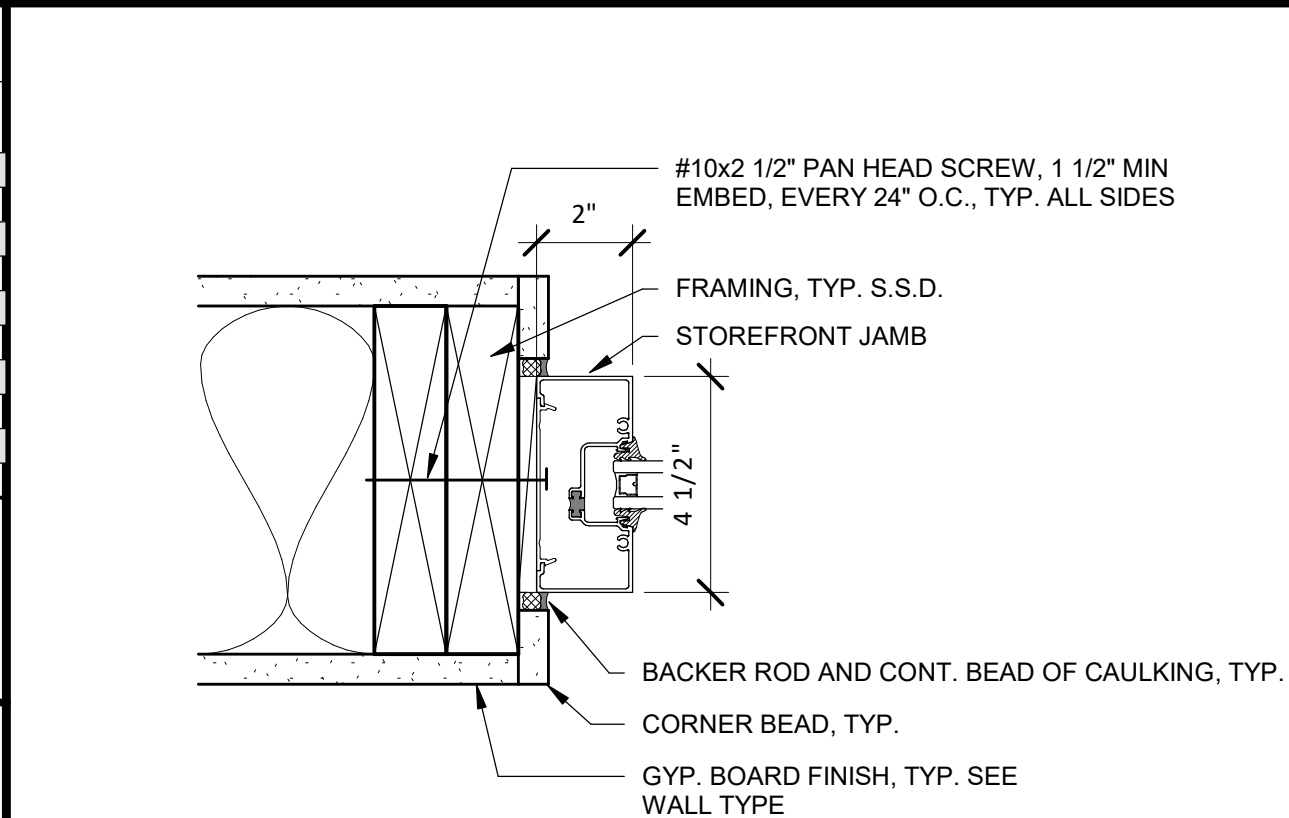


DOOR FRAME 'A'

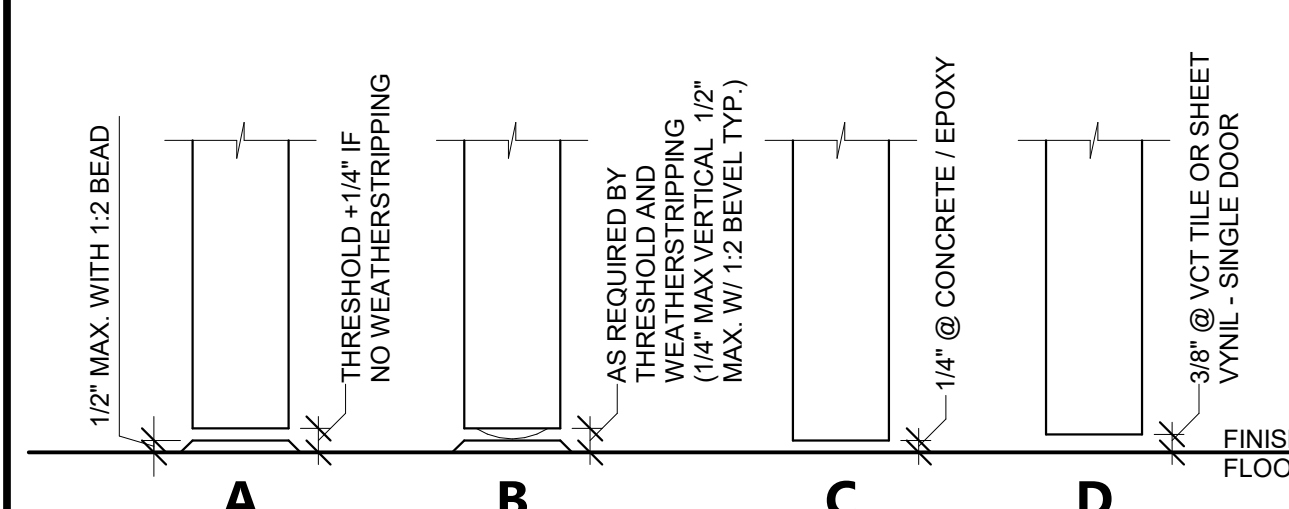
LEGEND - WINDOW TYPES



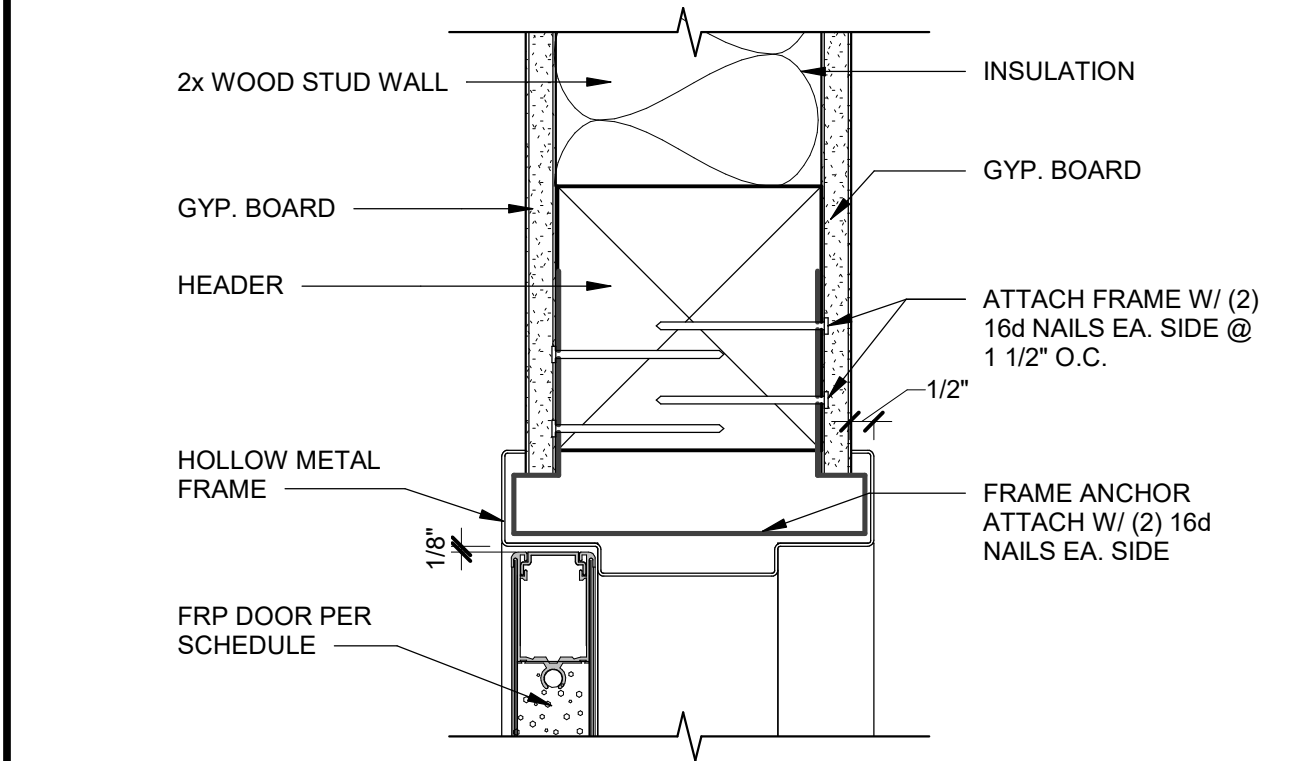
WINDOW SCHEDULE					
TYPE	SILL HEIGHT	WIDTH	HEIGHT	FINISH	REMARKS
A	2'-10"	4'-0"	4'-0"	PAINT	



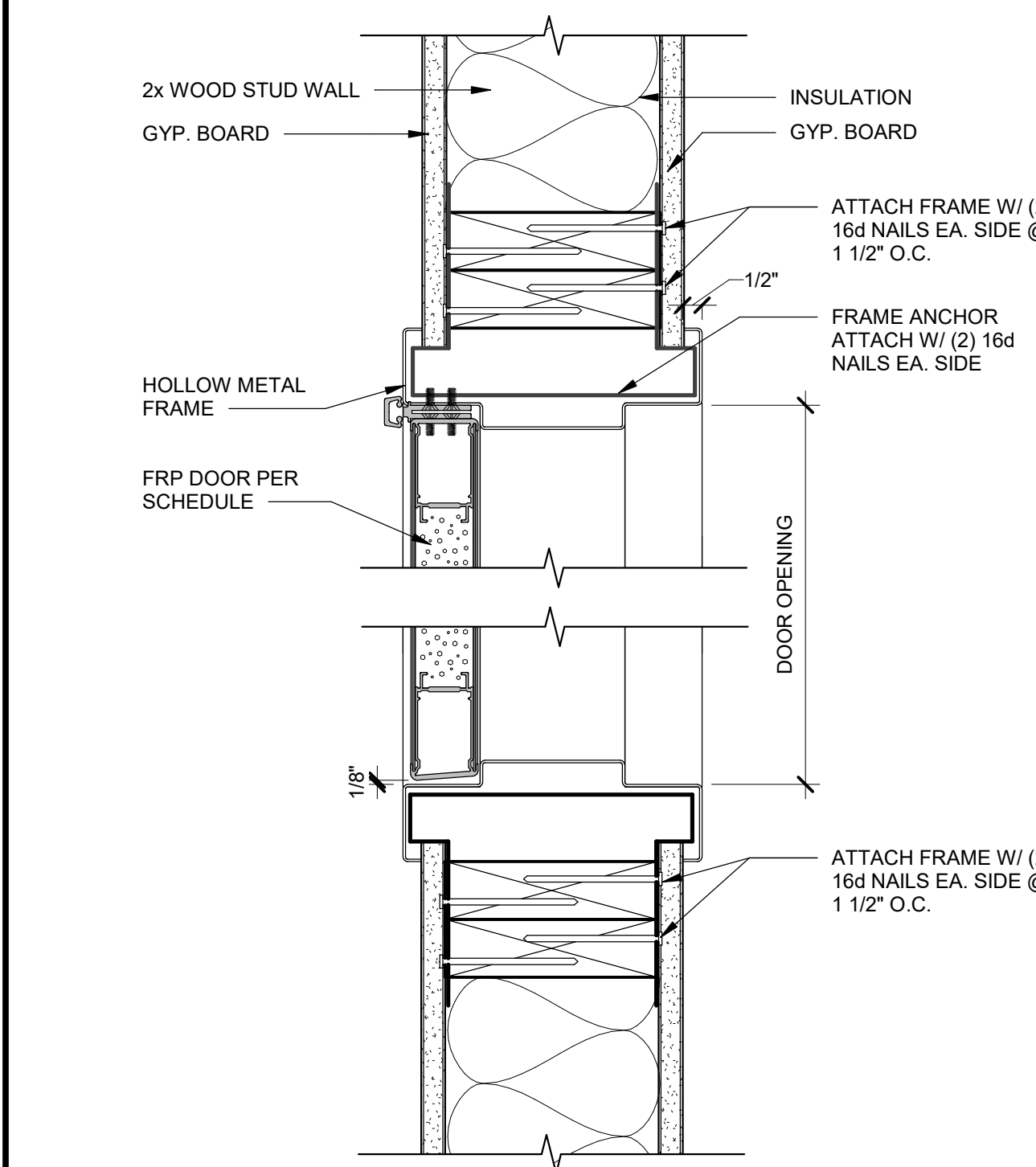
INTERIOR WINDOW HEAD / JAMB / SILL



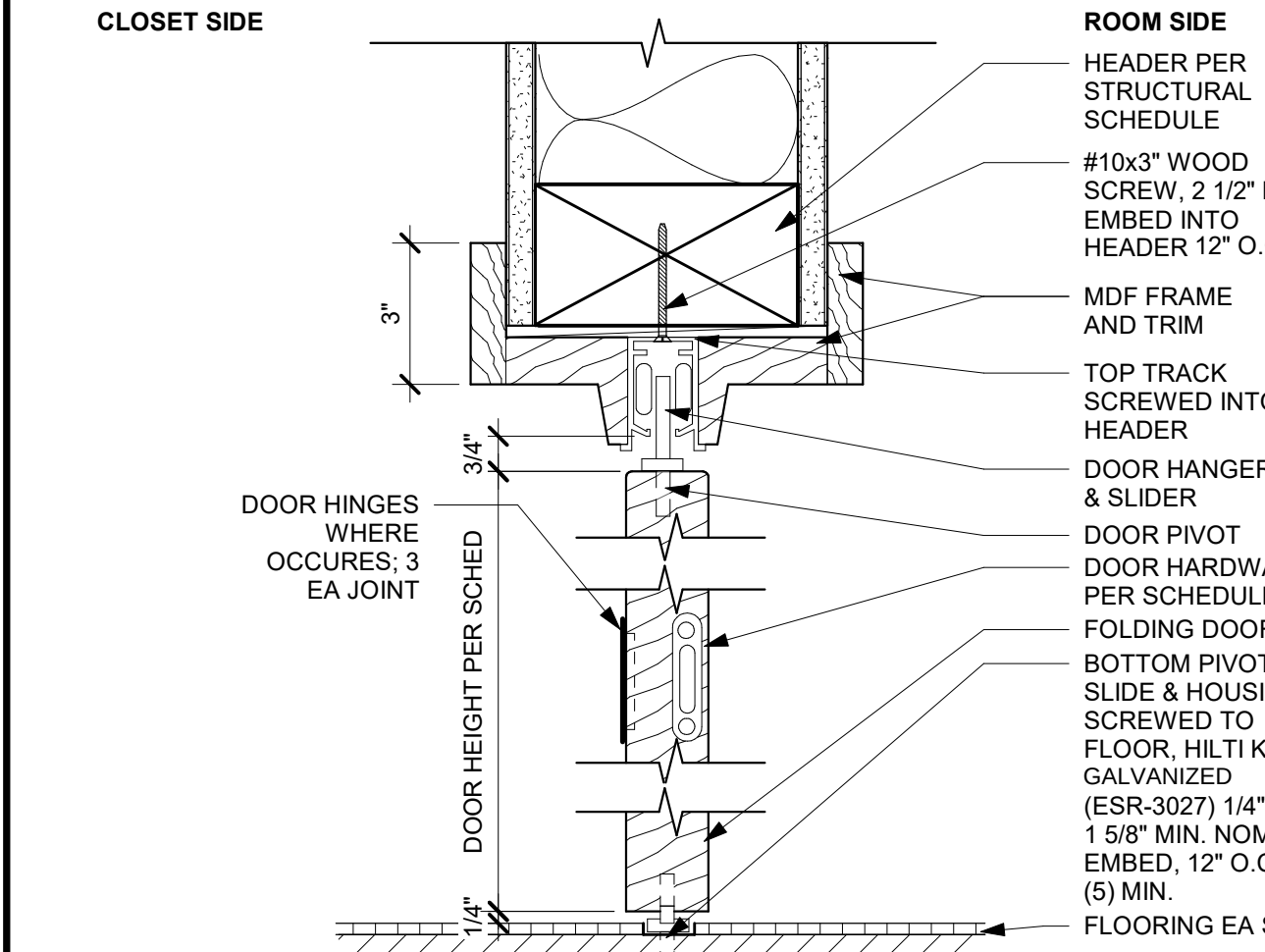
DOOR UNDERCUT CRITERIA



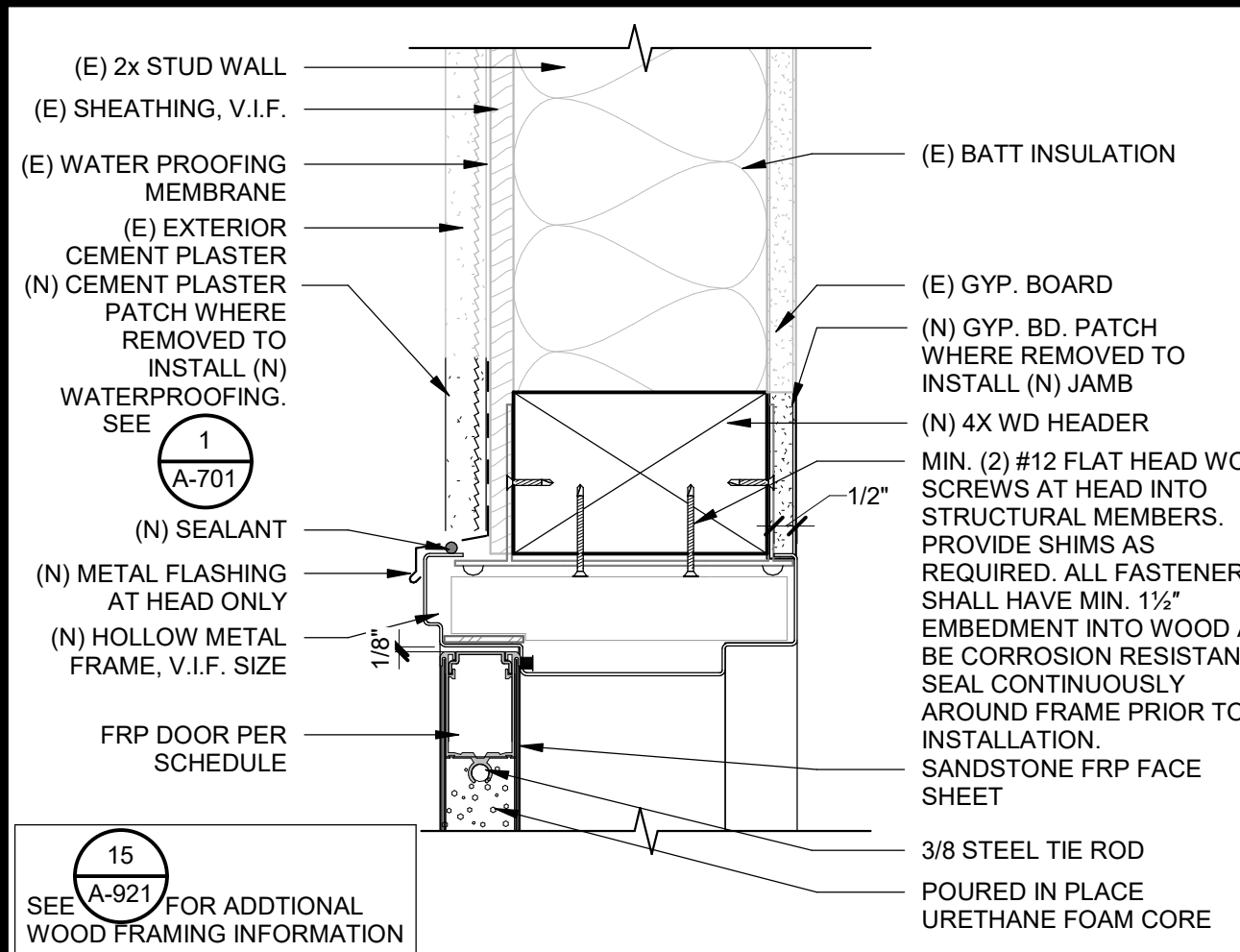
INTERIOR FRP HEAD DETAIL



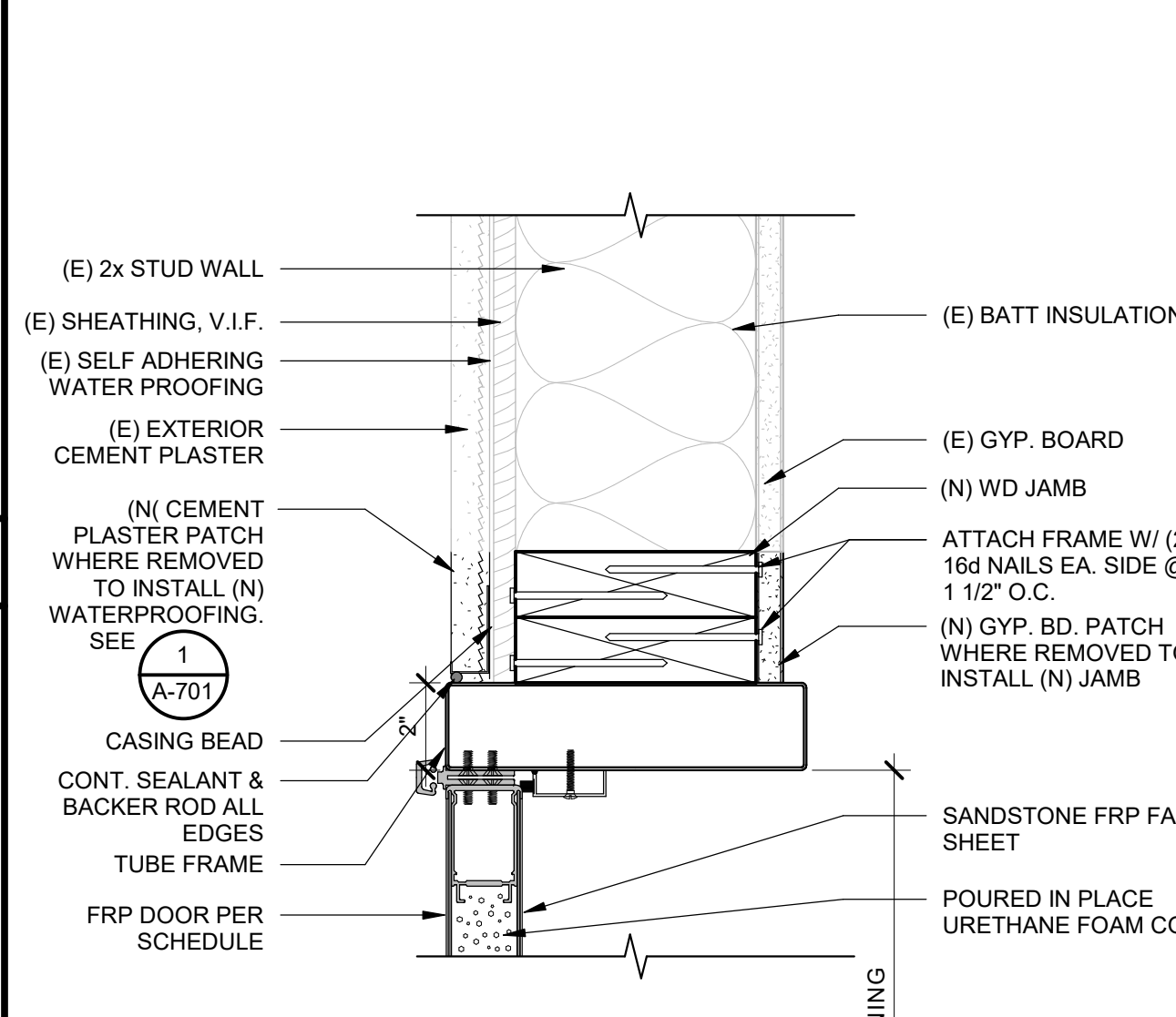
INTERIOR FRP JAMB DETAIL



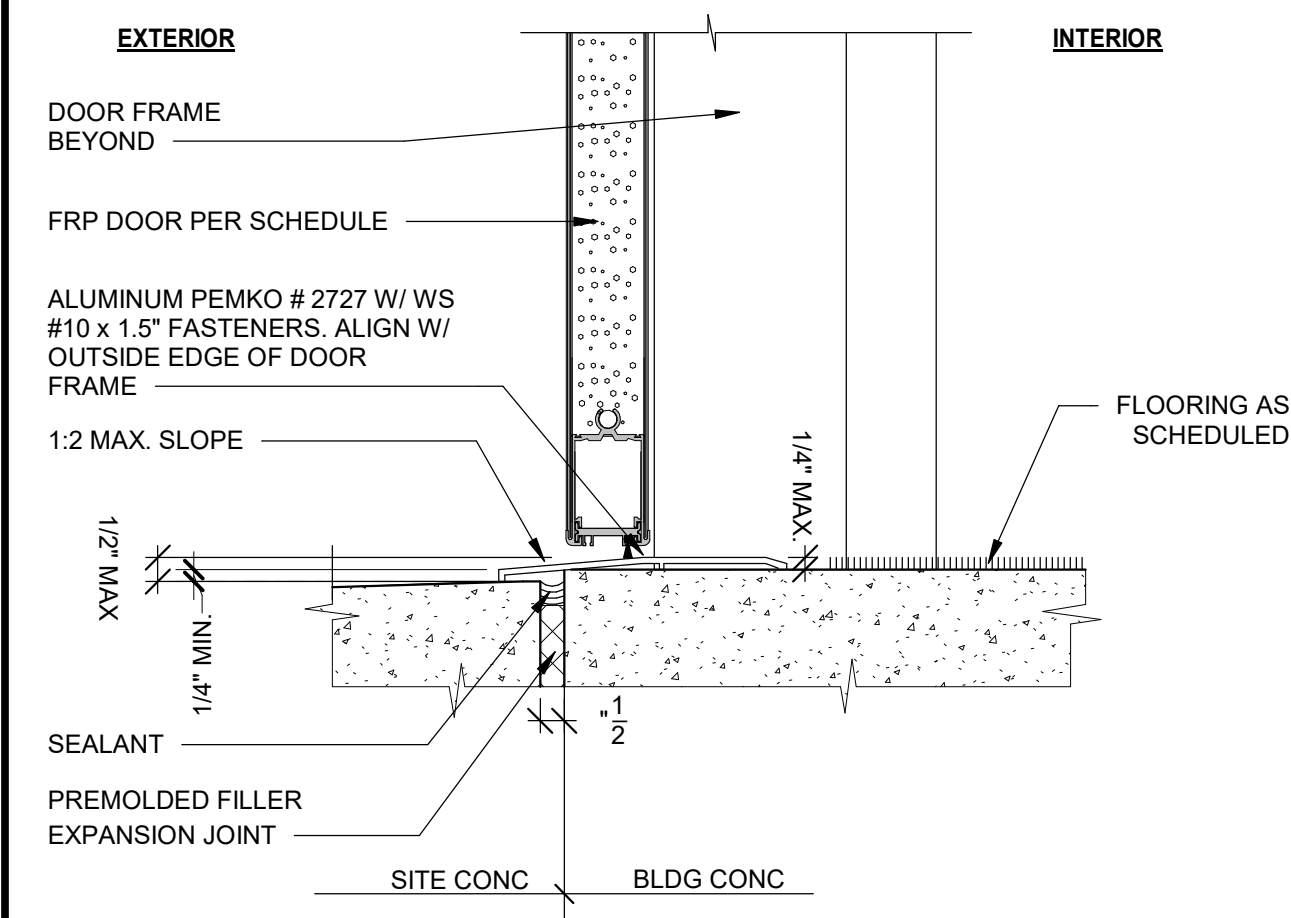
WD FOLDING DOOR FRAME - HEAD



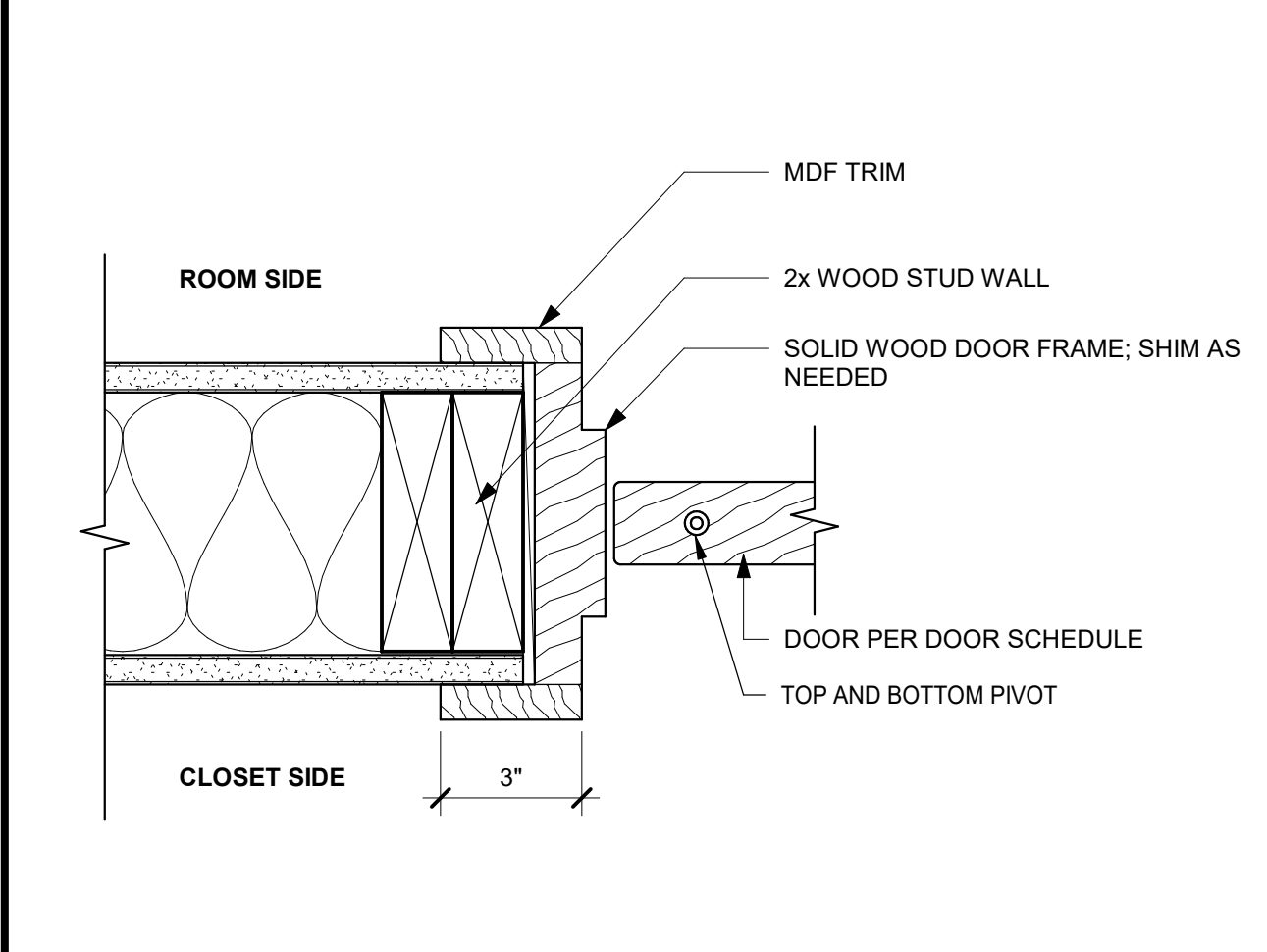
EXTERIOR FRP HEAD DETAIL



EXTERIOR FRP JAMB DETAIL



EXTERIOR FRP DOOR THRESHOLD



WD FOLDING DOOR FRAME - JAMB

LEGEND - DOOR NOTES

- DOORS SHALL BE 1-3/4" THICK UNLESS NOTED OTHERWISE.
- SEE REMARKS SECTION OF DOOR SCHEDULE FOR GLASS TYPES.
- ALL EXTERIOR DOORS IN BUILDINGS, INCLUDING, BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
 - EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
 - HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISH FLOOR.
 - DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT LEVER TYPE HARDWARE.
 - ALL ROOMS SERVING AN OCCUPANCY LOAD OF 50 OR GREATER AND DOORS LOCATED ON THE DISCHARGE OF EXIT CORRIDORS ARE REQUIRED TO BE PROVIDED WITH PANIC HARDWARE (CBC 1008.1.10).
- SEE SPECIFICATION SECTION 08 71 00 FOR DOOR HARDWARE INDEX AND DOOR HARDWARE SETS.
- EXTERIOR: STEELCRAFT "L" SERIES 16 GA HONEYCOMB CORE OR "S" OR "A" SERIES 16 GA TUBULAR FOR FULL GLASS, GALVANIZED, WITH GALVANIZED 14 GA FRAMES. USE MINIMUM 6" WIDE STILE ON ALL STILE & RAIL TYPE DOORS TO ACCOMMODATE EXIT DEVICES.
- ALL INTERIOR HOLLOW METAL DOOR AND FRAMES TO HAVE JAMB AND HEAD GASKETING, PEMKO 319 OR EQUAL.
- ALL INTERIOR STORFRONT FRAMES SHOULD PROVIDE GASKETING FOR THE HOLLOW METAL DOORS PER THE DETAILS.
- PROVIDE ACCESS CONTROL WIRING AND DOOR SWITCH WIRING PER HARDWARE SCHEDULE.
- PROVIDE DOOR SWITCH WIRING PER HARDWARE SCHEDULE.
- SEE SHEET A-251 FOR SIGNAGE PLAN.

LEGEND - DOOR MATERIALS

DOOR CONSTRUCTION AND MATERIAL:
FRP - FIBERGLASS REINFORCED POLYMER
WD - HOLLOW CORE WOOD FOLDING DOOR

DOOR FACING AND FINISH:
SP - STEEL, PAINTED
K - KYNAR FINISH ON ALUMINUM
WS - WOOD VENEER, STAINED

FRAME MATERIAL:
HM - HOLLOW METAL, PAINTED

FRAME FINISH:
P - PAINTED STEEL

FRAME TYPES:
A

GLASS:
ALL GLASS IS TEMPERED (SG - SAFETY GLAZING)

HARDWARE:
P.H. - PANIC HARDWARE

LEGEND - DOOR GLAZING NOTES

- ALL GLAZING SHALL BE TEMPERED 1/4" CLEAR GLASS UNLESS DOOR IS FIRE-RATED. THEN SAFETY GLAZING SHALL MEET CURRENT FEDERAL STANDARDS WHERE GLAZING OCCURS IN RATED DOOR ASSEMBLY. (WIRE GLASS IS NOT ACCEPTABLE)
- RATED GLAZING NOTES:
 - FIRE-RESISTANCE-RATED GLAZING SHALL BE PERMITTED IN FIRE DOOR AND FIRE WINDOW ASSEMBLIES WHERE TESTED AND INSTALLED IN ACCORDANCE WITH THEIR LISTINGS AND WHERE IN COMPLIANCE WITH THE REQUIREMENTS OF CBC SECTION 716.3.
 - CBC 716.3 MARKING FIRE-RATED GLAZING ASSEMBLIES: FIRE-RATED ASSEMBLIES SHALL BE MARKED IN ACCORDANCE WITH TABLES 716.3, 716.5, AND 716.6.
 - CBC 716.3.1 FIRE-RATED GLAZING IDENTIFICATION: FOR FIRE-RATED GLAZING, THE LABEL SHALL BEAR THE IDENTIFICATION REQUIRED IN TABLES 716.3 AND 716.5. "D" INDICATES THAT THE GLAZING IS PERMITTED TO BE USED IN FIRE DOOR ASSEMBLIES AND THAT THE GLAZING MEETS THE FIRE PROTECTION REQUIREMENTS OF NFPA 252. "H" SHALL INDICATE THAT THE GLAZING MEETS THE HOSE STREAM REQUIREMENTS OF NFPA 252. "T" SHALL INDICATE THAT THE GLAZING MEETS THE TEMPERATURE REQUIREMENTS OF SECTION 716.5.1. THE PLACEHOLDER "XXX" REPRESENTS THE FIRE-RATING PERIOD IN MINUTES.
 - CBC 716.3.2 FIRE-PROTECTION-RATED GLAZING IDENTIFICATION: FOR FIRE-PROTECTION-RATED GLAZING, THE LABEL SHALL BEAR THE FOLLOWING IDENTIFICATION REQUIRED IN TABLES 716.3 AND 716.6. "CH-XXX", "CB" INDICATES THAT THE GLAZING MEETS BOTH THE FIRE PROTECTION AND THE HOSE-STREAM REQUIREMENTS OF NFPA 257 OR UL 9 AND IS PERMITTED TO BE USED IN FIRE WINDOW OPENINGS. THE PLACEHOLDER "XXX" REPRESENTS THE FIRE-RATING PERIOD IN MINUTES.
- FIRE BARRIER: 34 HOUR GLAZING, MAX SIZE TESTED, MARKED D-H
- NFPA 257 OR CL 9 MEETS FIRE WINDOW ASSEMBLY CRITERIA INCLUDING THE HOSE STREAM TEST
- NFPA 252 OR UL 108 I OR UL 10C D = MEETS FIRE DOOR ASSEMBLY CRITERIA: H = MEETS FIRE DOOR ASSEMBLY HOSE STREAM TEST
- RATED GLAZING SHALL BE FIRELITE NT

WINDOW GENERAL NOTES

- ALL INTERIOR WINDOWS BASIS OF DESIGN KAWNEER TRIFAB 451 (CENTER).
- ALL GLASS TO BE TEMPERED PER SPECIFICATIONS.
- ALL GLASS TO BE INSULATING, PER SPECIFICATIONS.

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APP: 01-122274 INC:
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DATE: 01/26/2026

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SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE
DOOR AND WINDOW SCHEDULE AND DETAILS

SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB JOB NUMBER: 24411.01

SHEET NO.

A-801

15

2

SEE A-921 S-102 FOR ADDITIONAL WOOD FRAMING INFORMATION

7

S-101

SEE S-101 FOR CONDITIONS AT HEAD

9

S-101

SEE S-101 FOR SILL CONDITION

SDS1/4"x8" @ 18" O.C. VERT. TO EA. STUD

BATT INSULATION

(E) 2X WALL ASSEMBLY

(E) 2X WALL ASSEMBLY

2x3 WOOD STUD CENTER ON (E) STUDS

5/8" GYPSUM WALL BOARD

WALL FINISH, SEE FINISH SCHEDULE

(E) COLUMN, WHERE OCCURS

EXTRA 2x3 STUD ON EITHER SIDE OF (E) STRUCTURAL MEMBERS

INTERIOR

INTERIOR

15

2

SEE A-921 S-102 FOR ADDITIONAL WOOD FRAMING INFORMATION

7

S-101

SEE S-101 FOR CONDITIONS AT HEAD

9

S-101

SEE S-101 FOR SILL CONDITION

2x6 WOOD STUD

2x4 WOOD STUD

BATT INSULATION

5/8" GYPSUM WALL BOARD

WALL FINISH, SEE FINISH SCHEDULE

INTERIOR

INTERIOR

WALL TYPE F

1 1/2" = 1'-0"

6

WALL TYPE A

1 1/2" = 1'-0"

1

15

2

SEE A-921 S-102 FOR ADDITIONAL WOOD FRAMING INFORMATION

7

S-101

SEE S-101 FOR CONDITIONS AT HEAD

9

S-101

SEE S-101 FOR SILL CONDITION

BAT INSULATION EA SIDE

BLOCKING WHERE OCCURS

PLUMBING CHASE

2x6 WOOD STUD EA SIDE

5/8" MOLD RESISTANT GYPSUM BOARD EA SIDE

WALL FINISH, SEE FINISH SCHEDULE EA SIDE

INTERIOR

INTERIOR

WALL TYPE B

1 1/2" = 1'-0"

2

(E) CEMENT PLASTER ASSEMBLY

(E) 1" DIAG. WD SHEATHING

(E) BATT INSULATION

(E) 2x10 WD STUD @ 16" O.C.

(E) MTL. WEEP SCREED W/ #8 S.M.S. @ 24" O.C., BLDGS PAPER LAPPED OVER SCREED

(E) CONCRETE PAVING AND BASE

8" V.I.F.

(E) 3x10 WD SILL

(E) BASE, V.I.F. MATERIAL

(E) FINISH FLOOR

(E) CONCRETE SLAB

EXTERIOR

INTERIOR

(E) EXTERIOR WALL "FOR REFERENCE ONLY" PER DSA A# 8675 (1951/1993) / 01-101035

WALL TYPE C

1 1/2" = 1'-0"

4

15

2

SEE A-921 S-102 FOR ADDITIONAL WOOD FRAMING INFORMATION

5

S-203

SEE S-203 FOR CONDITIONS AT HEAD AND SILL

BATT INSULATION

2x6 WD STUD FRAMING @ 16" O.C.

3/8" PLYWOOD SHEATHING

WEATHER BARRIER

1 LAYER OF BUILDING PAPER

EXTERIOR CEMENT PLASTER OVER METAL LATH

1/4" CERAMIC WALL TILE OVER 3/16" THIN SET, PER INTERIOR ELEV.

1/2" CEMENTITIOUS BACKER BOARD

EXTERIOR

INTERIOR

WALL TYPE D

1 1/2" = 1'-0"

5

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SHEET TITLE
WALL TYPES

SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB
JOB NUMBER: 24411.01

SHEET NO.
A-901

CONSTRUCTION DOCUMENTS

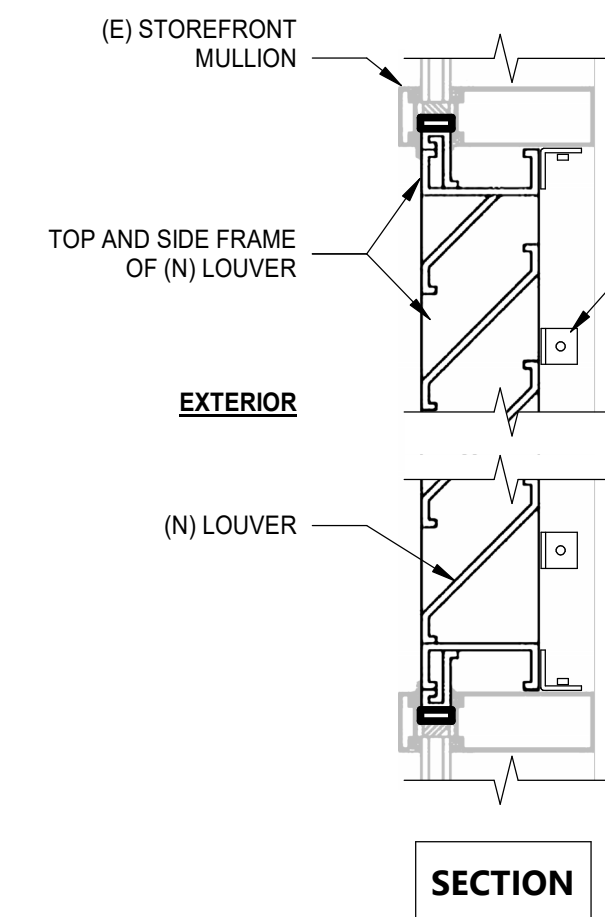
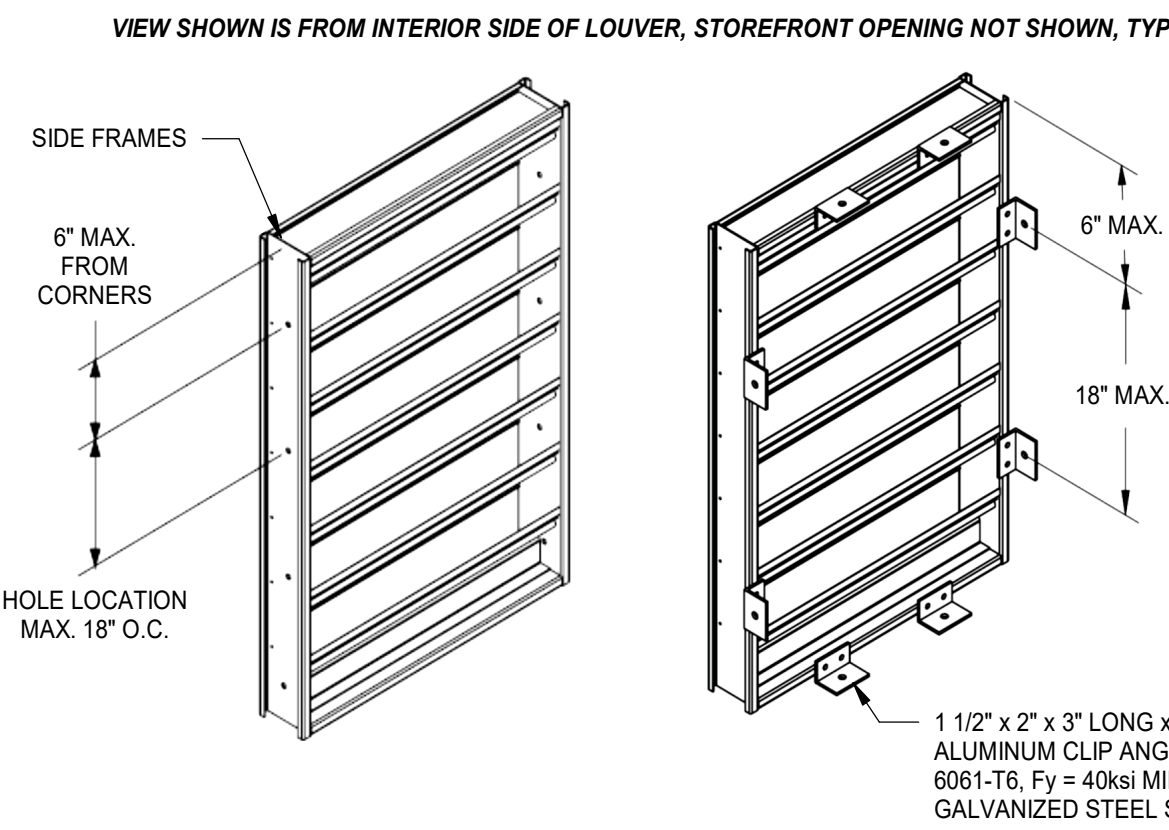
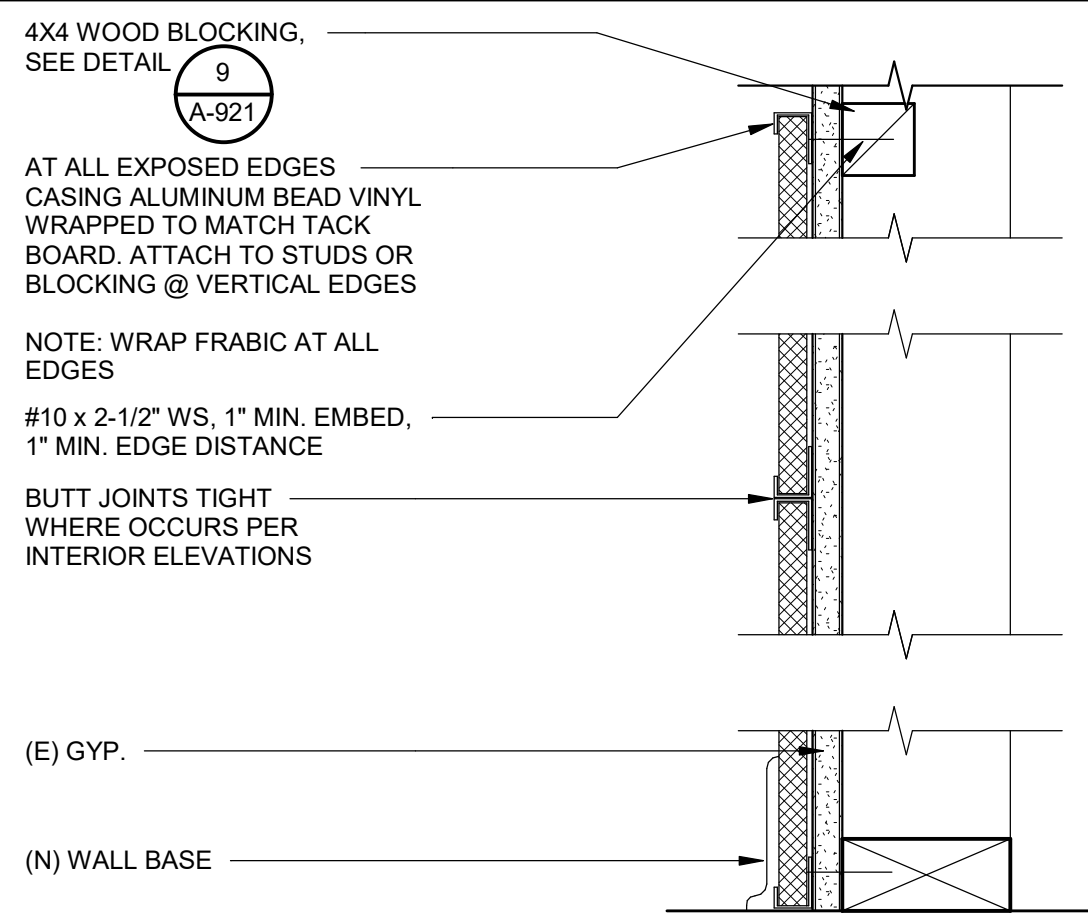


FIGURE 1

FIGURE 2



LOUVER AT (E) STOREFRONT

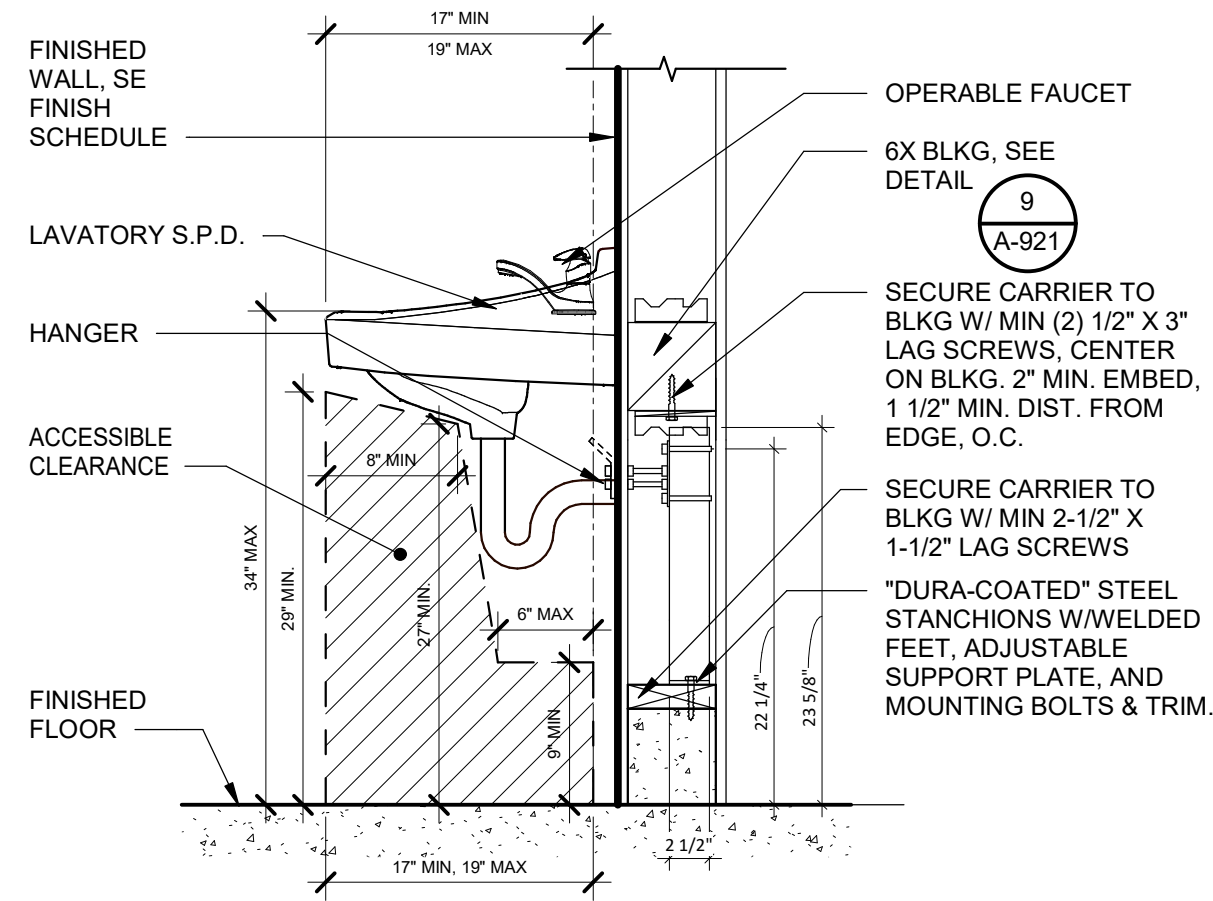
N.T.S.

6

TACKBOARD

3" = 1'-0"

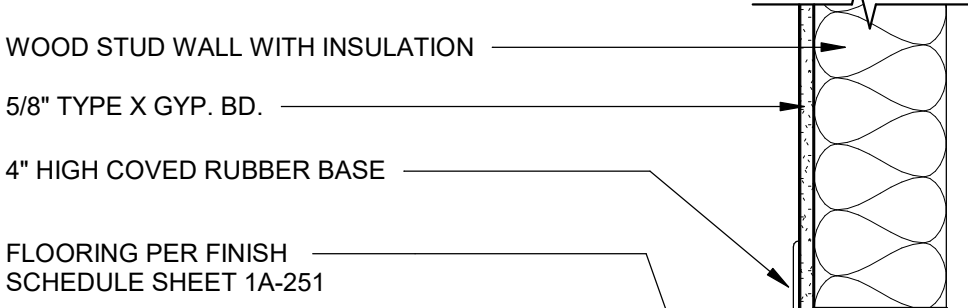
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ADULT LAVATORY MOUNTING

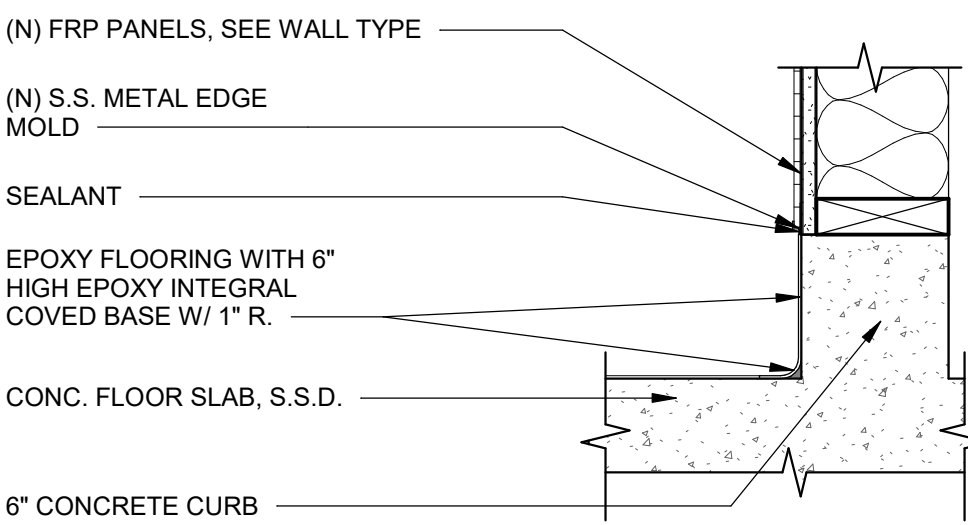
1" = 1'-0"

7



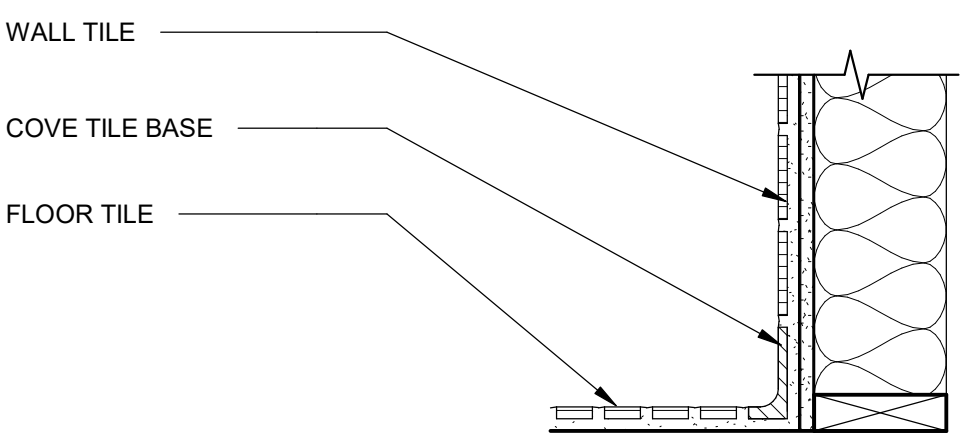
RUBBER BASE

A



EPOXY COVE BASE @ TOILET ROOMS

B



COVE TILE BASE @ TOILET ROOMS

C

GRAB BAR BLOCKING

3" = 1'-0"

8

FLOOR BASE

1 1/2" = 1'-0"

3

WOOD FRAMING NOTES

- SEE GENERAL NOTES ON A-101
- 2X STUDS/ JOISTS, 4X6X BEAMS & HEADERS ARE TO BE DF #1 OR BETTER
- BLOCKING AND OTHER MISC. FRAMING IS TO BE DF STD @ BTR OR BETTER
- ALL STRAPS, HANGERS, CLIPS, TIES, CAPS, BASES, PLATES ETC. AS MANUFACTURED BY SIMPSON STRONG-TIE, CATALOG 2015 OR ENGINEER APPROVED EQUIVALENT.
- FRAMING SHALL BE LEVEL, PLUB, TRUE TO LINE, ACCURATE, SQUARE, NEAT, ETC.
- CUSTOM CUT, SHAPE, RIP, BEVEL, COUNTERSIN, PLANE ETC. ALL MATERIAL AS IS REQUIRED FOR TIGHT FITTING. EVEN BEARING CONDICTIONS W.O.
- COUNTERSINK 1" MAX AT 3X & LARGER MEMBERS AS REQUIRED TO CONCEAL BOLT HEADS, NUTS & WASHERS. DO NOT DAP 2X AND SMALLER MEMBERS.
- STUDS ARE SPACED 16" O.C. U.O.N., S.S.D. FOR ADDITIONAL INFORMATION

MIN HEADER @ NON-LOAD BEARING WALLS		
x4 WALLS	4x4	6' MAX SPAN
x6 WALLS	4x6 FLAT	6' MAX SPAN

MIN HEADER @ LOAD BEARING WALLS		
x4 WALLS	4x12	6' MAX SPAN
x6 WALLS	6x6	6' MAX SPAN

FRAMING		FASTENER
2X TOP PLATE TO 2x4 STUD	(2) 16D END NAILS	
2X TOP PLATE TO 2X6 STUD	(3) 16D END NAILS	
2X SILL PLATE TO 2x4 STUD	(2) 16D END NAILS	
2X SILL PLATE TO 2x6 STUD	(3) 16D END NAILS	
DOUBLE STUD/ CORNER STUDS	16D @ 24" FACE NAIL, STGR	
DOUBLE TOP PLATE	16D @ 24" FACE NAIL, STGR	
DOUBLE TOP PLATE SPLICE	(15) 16D FACE NAIL, EA SIDE, STGR	
BUILT UP HDR/ BM	16D @ 12" FACE NAIL, EA SIDE EA EDGE	
KING STUD TO HEADER	(8) 16D END NAILS	
MISC 1x FRAMING	(2) 10D EA CONTACT	
MISC 2x FRAMING	(2) 16D EA CONTACT	

ALL NOTES ARE TYPICAL U.O.N. IN DRAWINGS. SEE CBC-TABLE 2304.10.2 FOR ADDITIONAL INFORMATION.

WOOD FRAMING NOTES

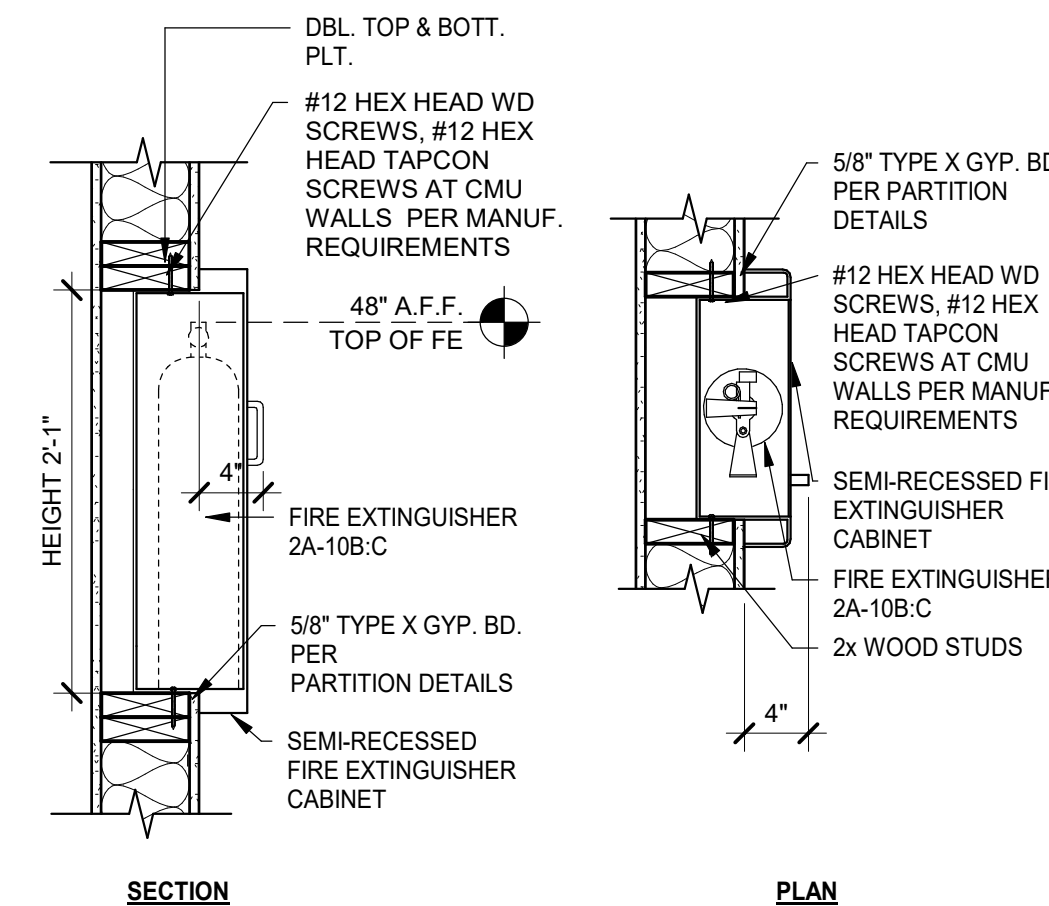
12" = 1'-0"

15

WOOD BACKING AT WOOD STUDS

3" = 1'-0"

9



SECTION

PLAN

FIRE EXTINGUISHER CABINET

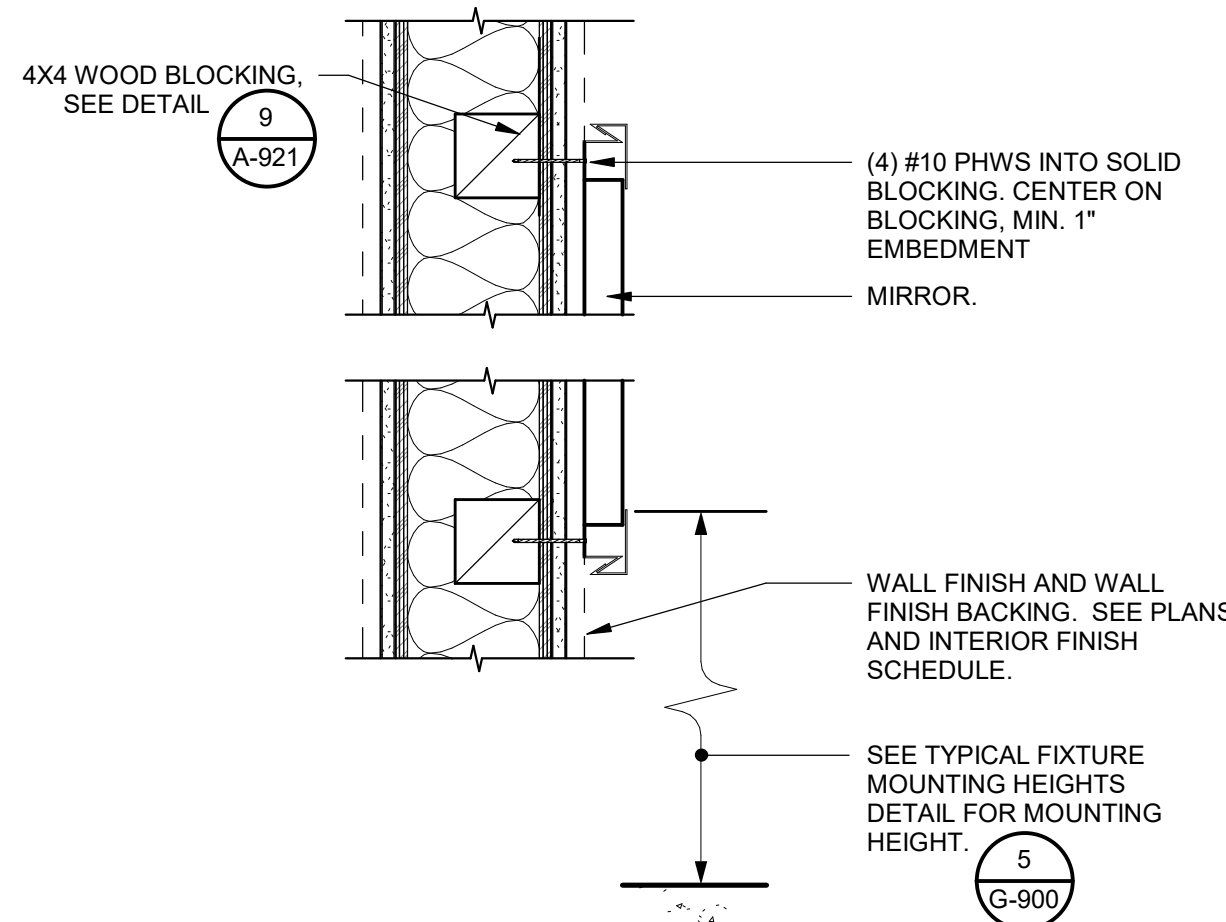
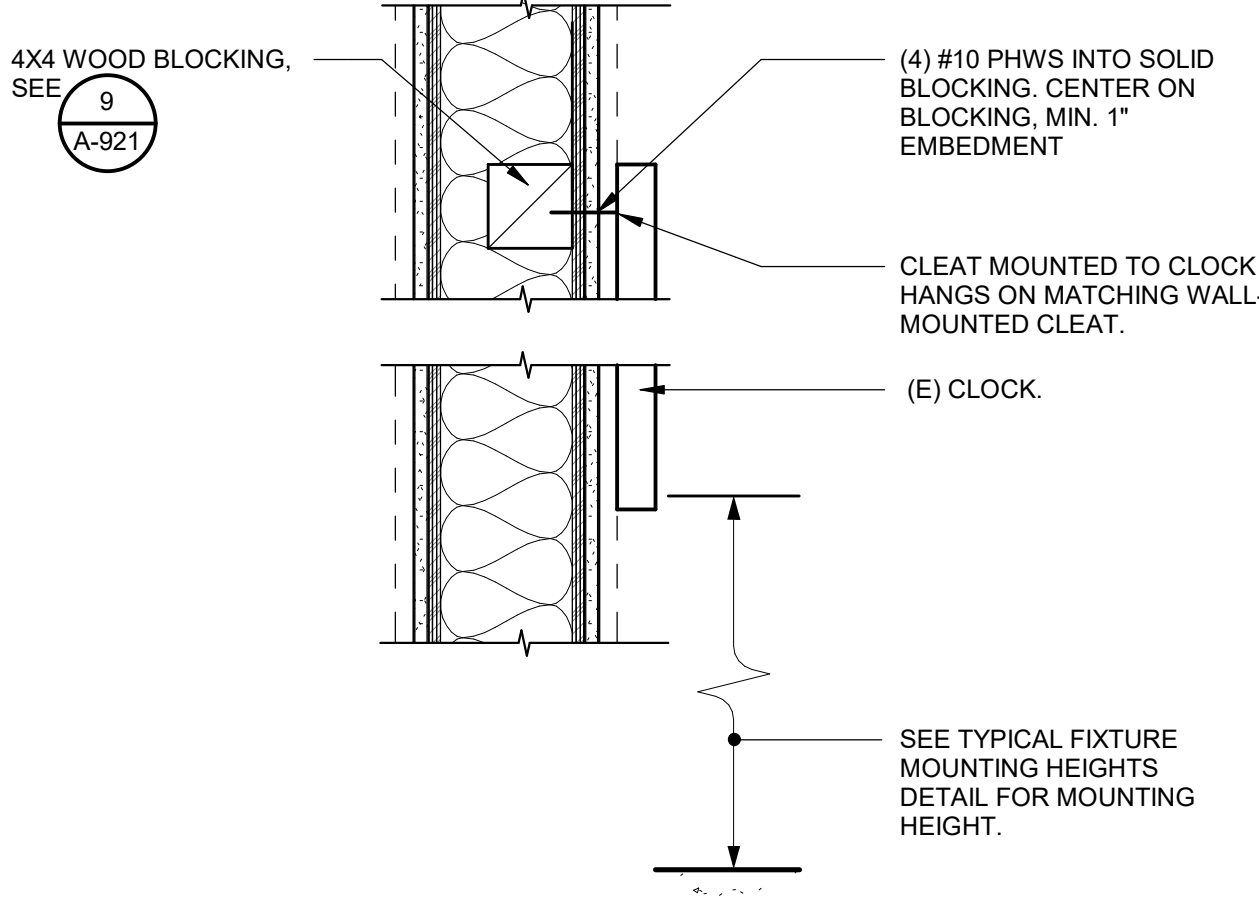
1" = 1'-0"

10

MIRROR MOUNTING

1 1/2" = 1'-0"

4



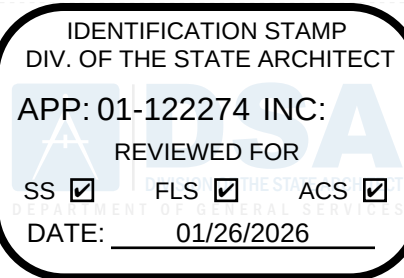
CLOCK MOUNTING

1 1/2" = 1'-0"

5

AGENCY APPROVAL: DSA

01-122274



196

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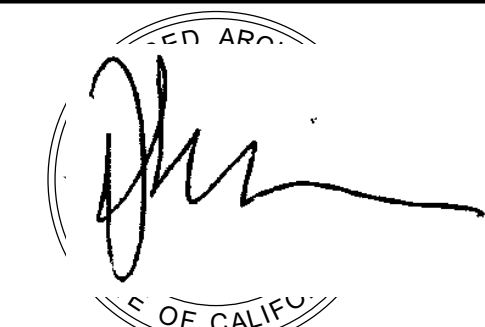
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PROFESSIONAL STAMP

DATE SIGNED: 12/04/2025



REVISIONS

ORIGINAL ISSUE DATE:
12/04/2025

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE

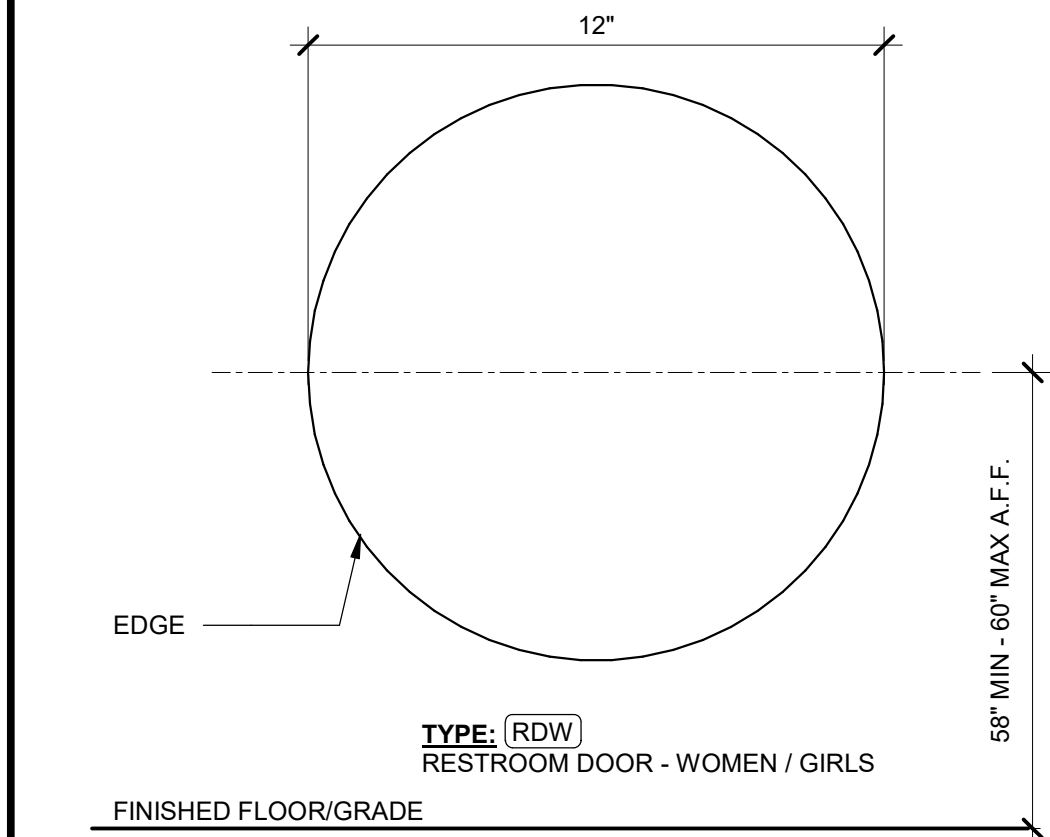
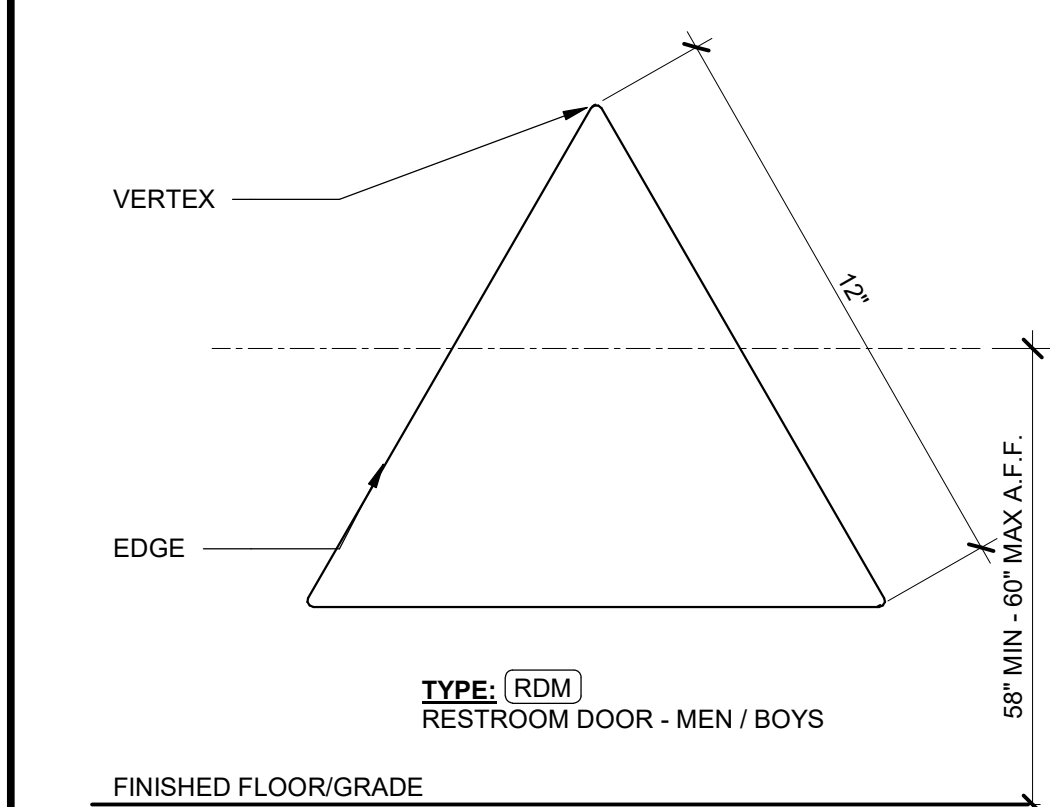
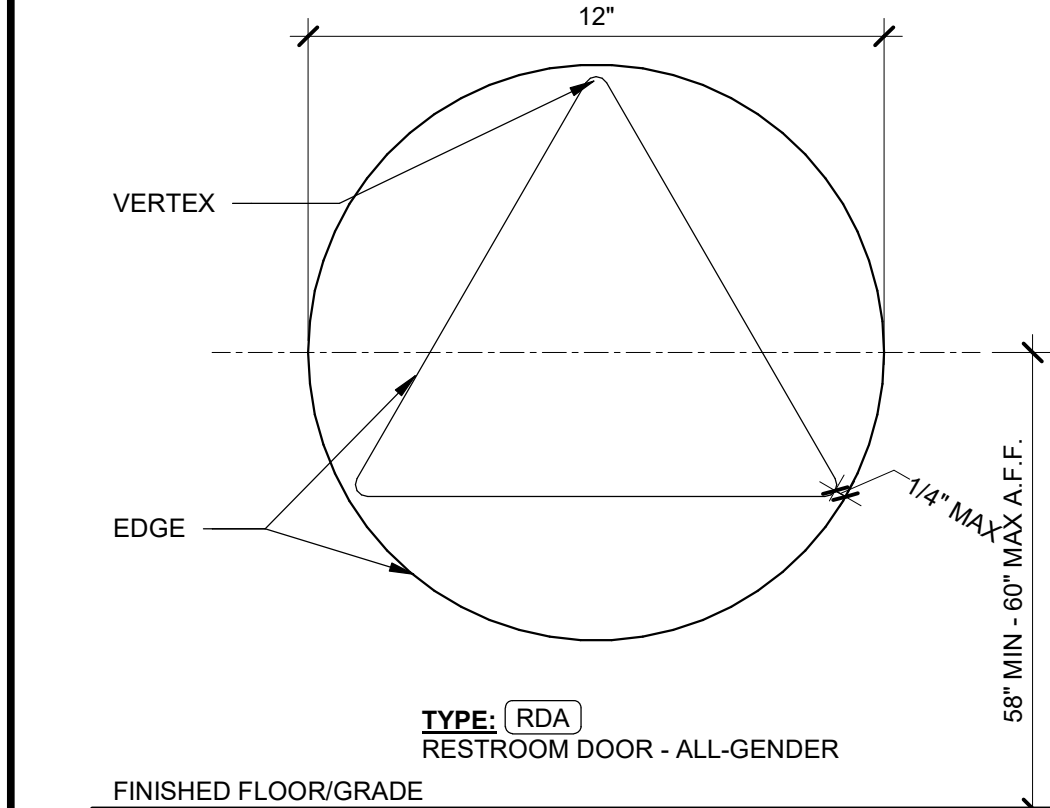
INTERIOR DETAILS

SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB JOB NUMBER: 24411.01

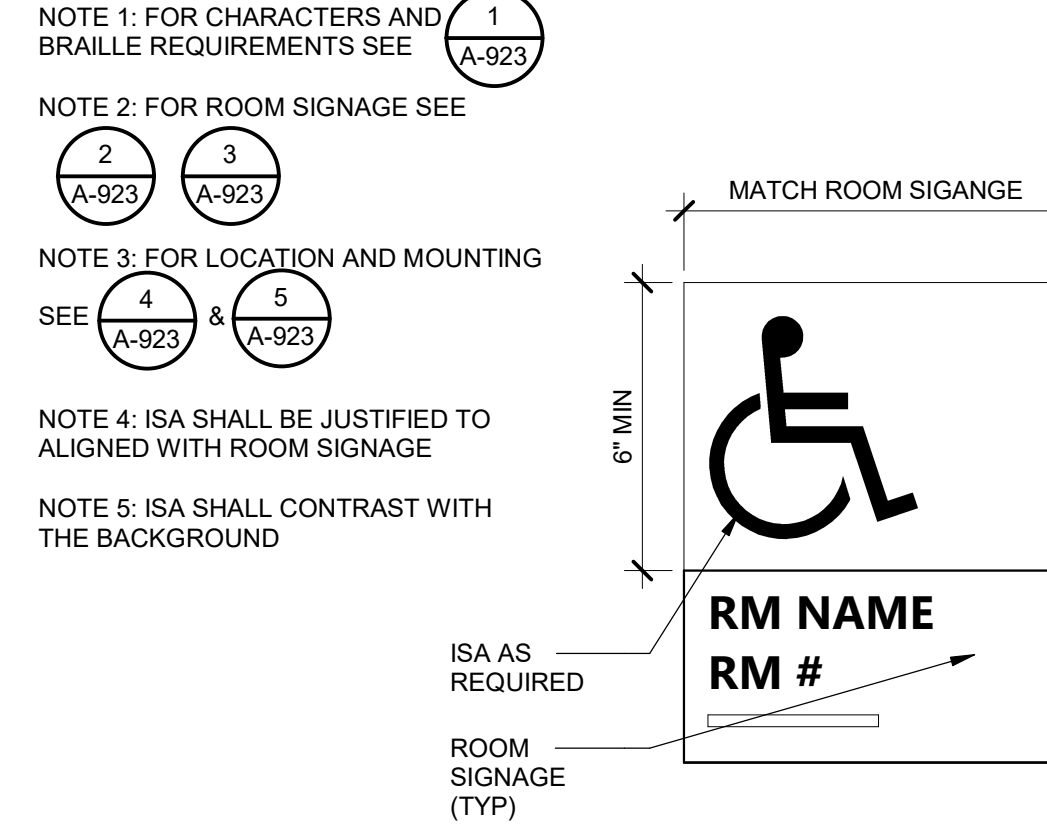
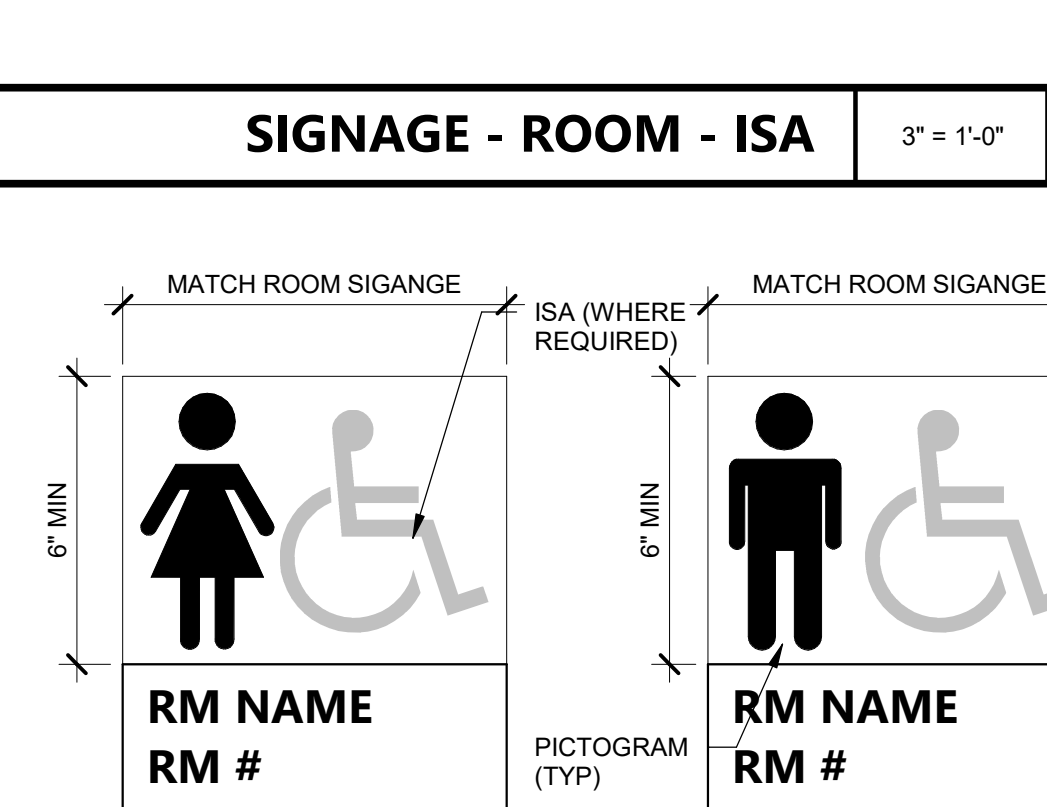
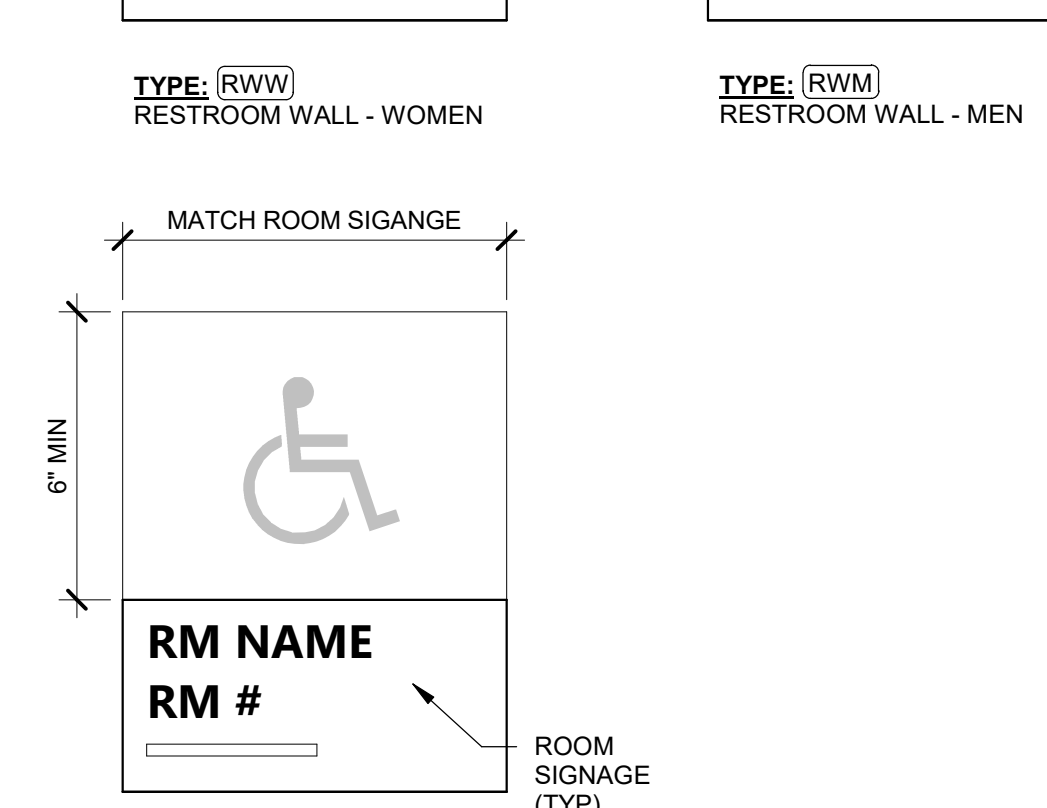
SHEET NO.

A-921



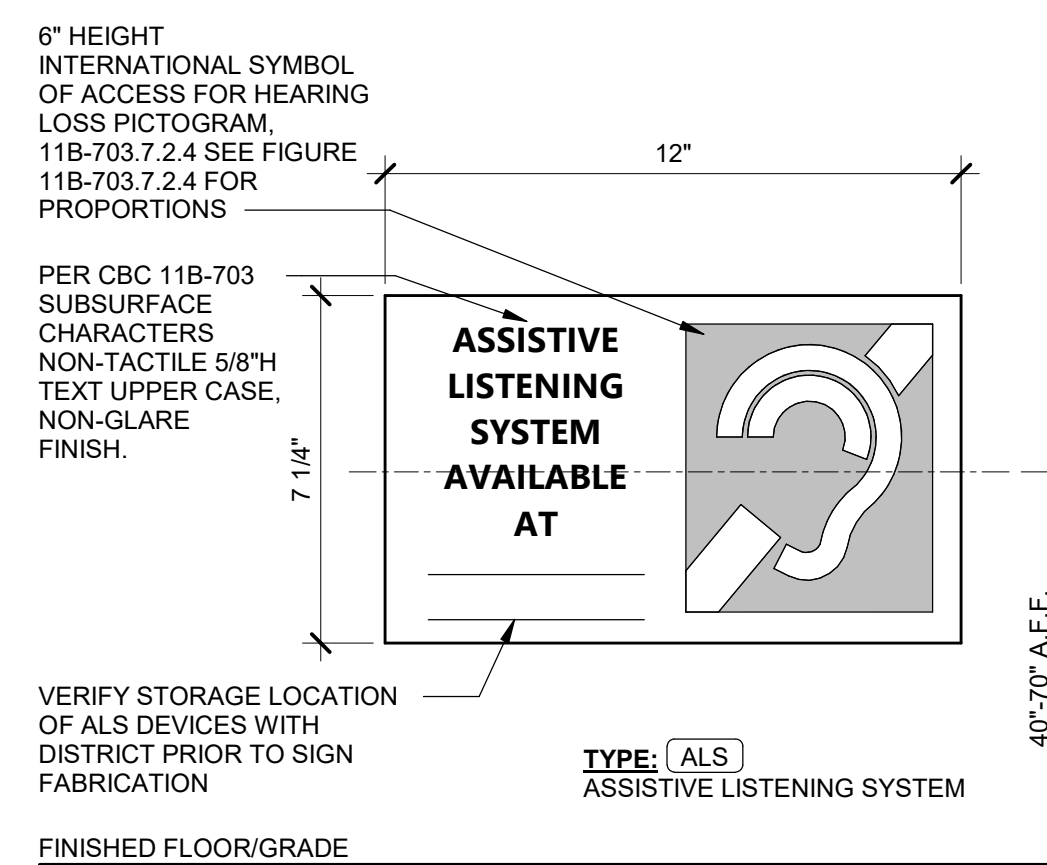
NOTE 1: FOR LOCATION AND MOUNTING SEE 4 & 5
NOTE 2: SECOND SURFACE SCREENED COPY ON MATTE CLEAR ACRYLIC
NOTE 3: COLOR TBD. MUST HAVE AT LEAST 70% CONTRAST TO DOOR COLOR
NOTE 4: EDGES SHALL BE EASED OR ROUNDED AT 1/16" MIN OR CHAMFERED AT 1/8" MAX.
NOTE 5: VERTICES ON TRIANGLES SHALL BE RADIUSSED BETWEEN 1/8" MIN AND 1/4" MAX.
NOTE 6: CIRCLE & TRIANGLE SYMBOL SHALL BE 1/4" THICK.
NOTE 7: THE INSCRIBED TRIANGLE SHALL BE 1/4" THICK CONTRASTING COLOR ON A 1/4" THICK CIRCLE (1/2" TOTAL THICKNESS) THAT IS IN CONTRAST WITH THE DOOR COLOR (NOTE 3)

SIGNAGE - RESTROOM DOORS 3" = 1'-0" 18

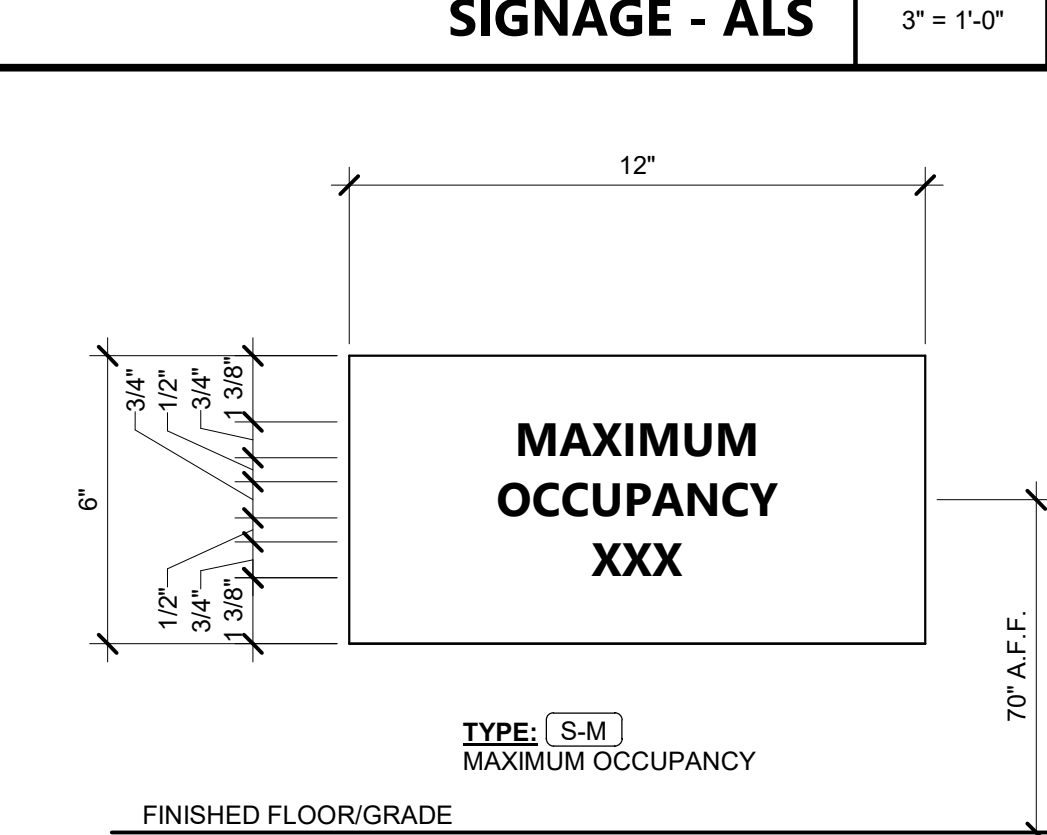


NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1
NOTE 2: FOR ROOM SIGNAGE SEE 2 & 3
NOTE 3: FOR LOCATION AND MOUNTING SEE 4 & 5
NOTE 4: PICTOGRAMS SHALL BE PER 6
NOTE 5: ISA SYMBOL REQUIRED AT RESTROOMS IN BUILDINGS WHERE NOT ALL RESTROOMS ARE ACCESSIBLE.

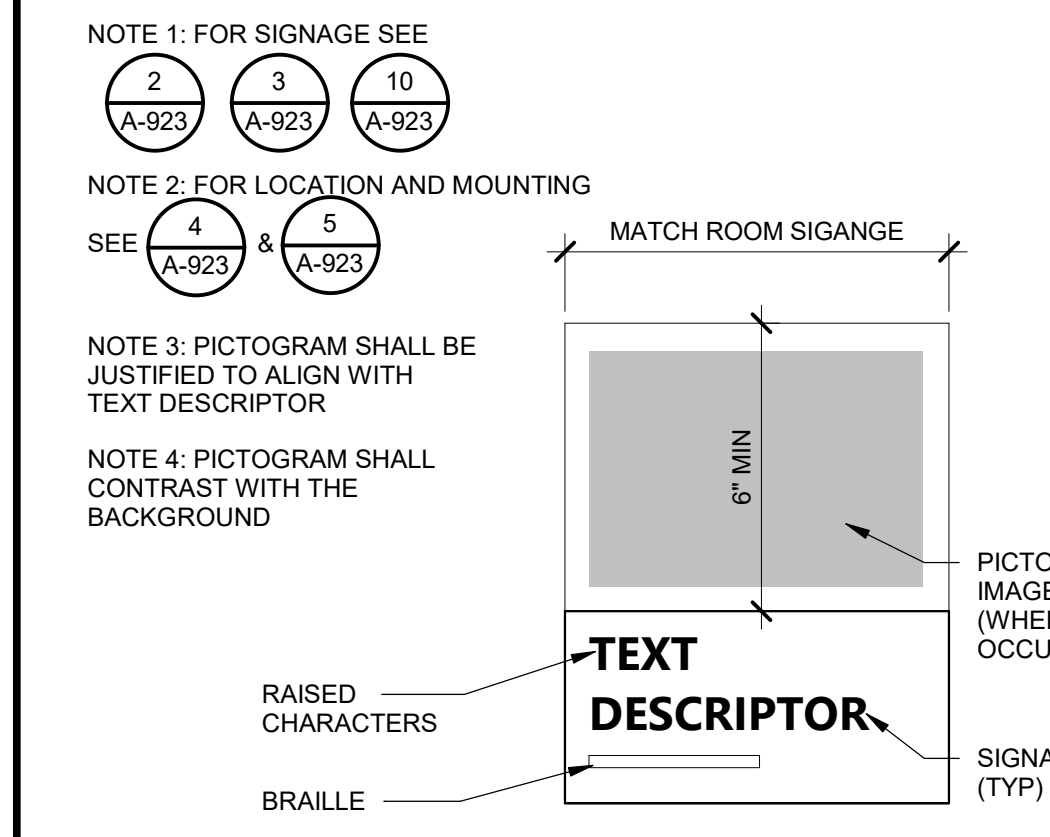
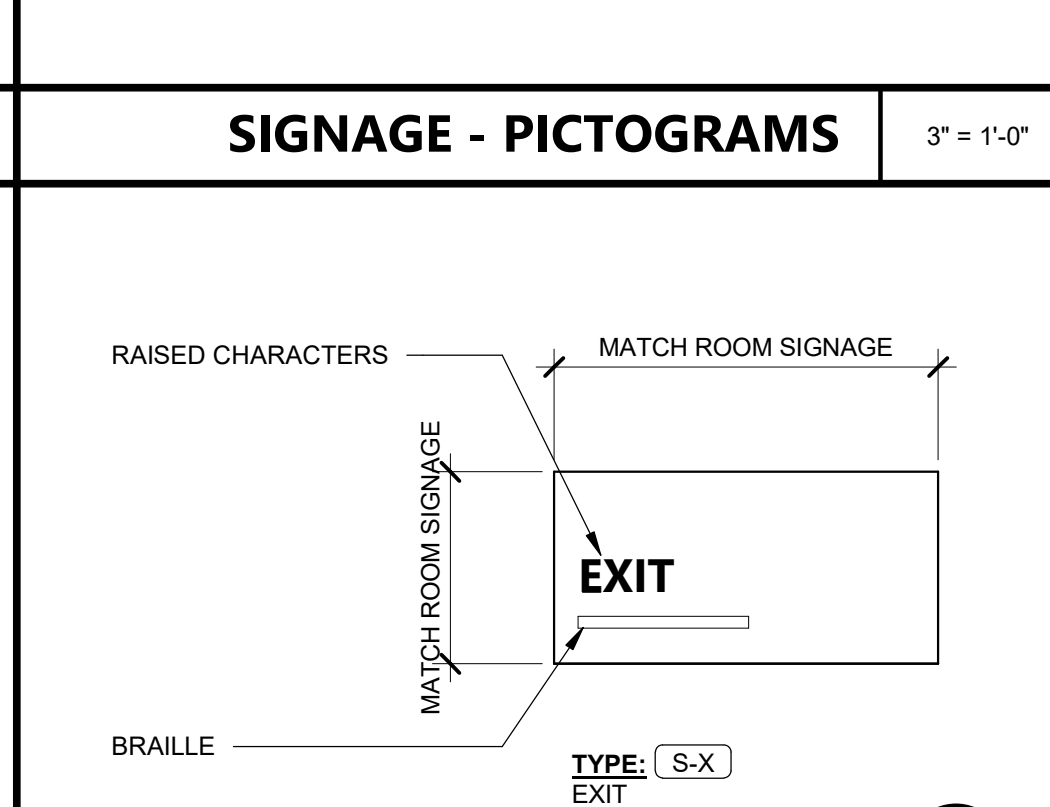
RESTROOMS - PICTOGRAMS 3" = 1'-0" 13



SIGNAGE - ALS 3" = 1'-0" 14

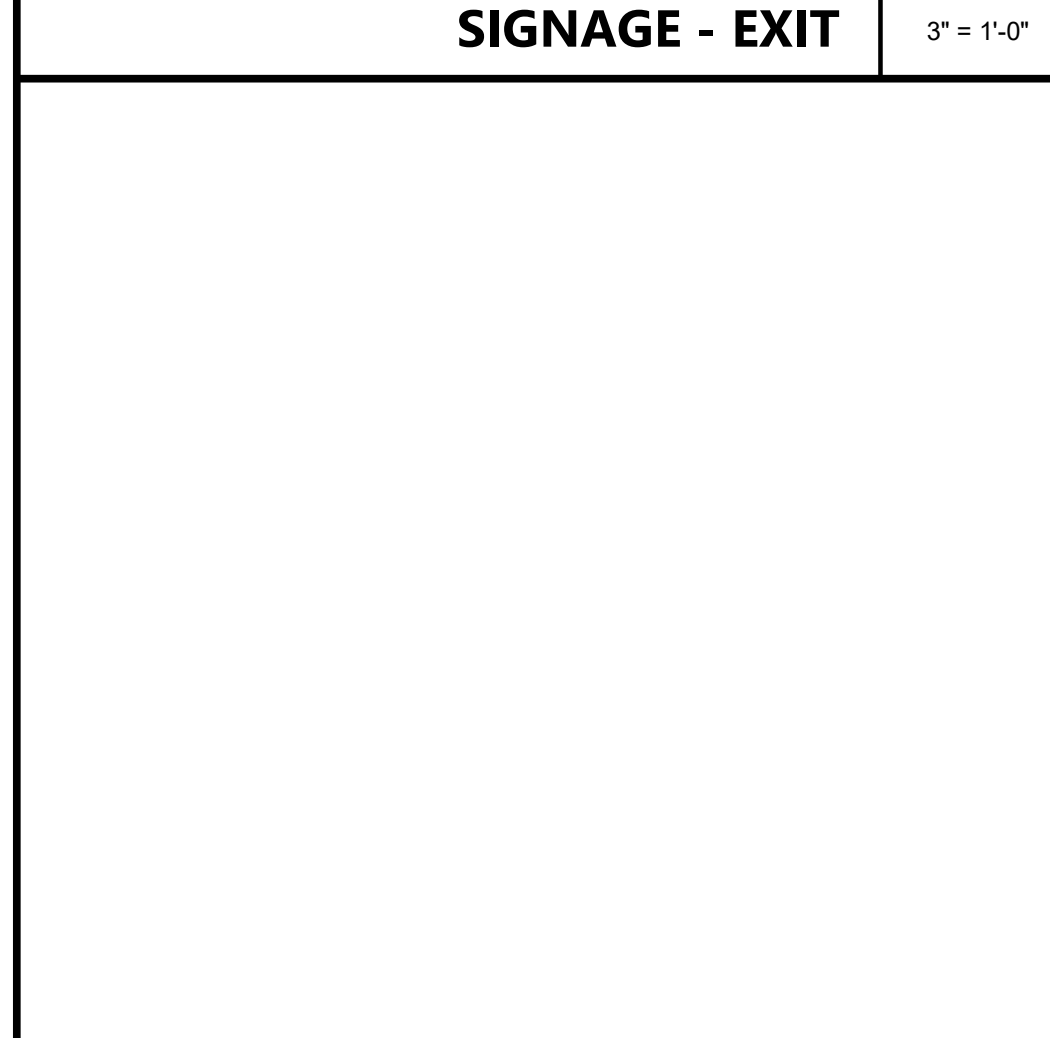


SIGNAGE - MAXIMUM OCC. 3" = 1'-0" 15



NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1
NOTE 2: FOR SIGN DESIGN SEE 2 & 3
NOTE 3: FOR LOCATION AND MOUNTING SEE 4 & 5

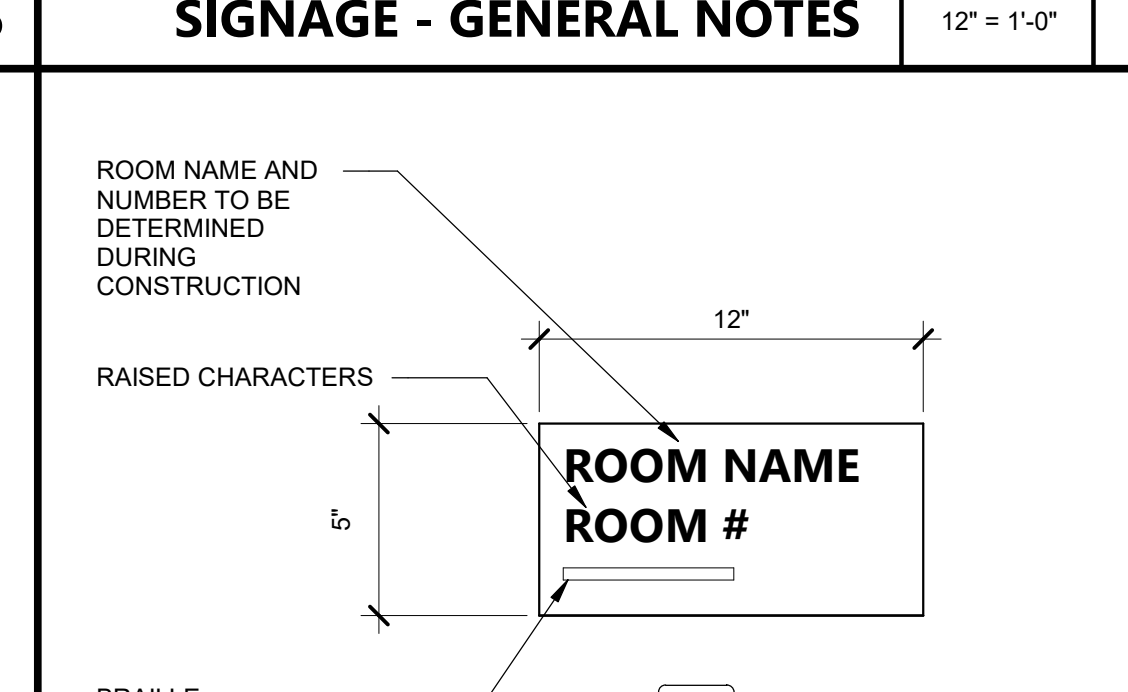
SIGNAGE - EXIT 3" = 1'-0" 7



SIGNAGE - EXIT ROUTES 3" = 1'-0" 10

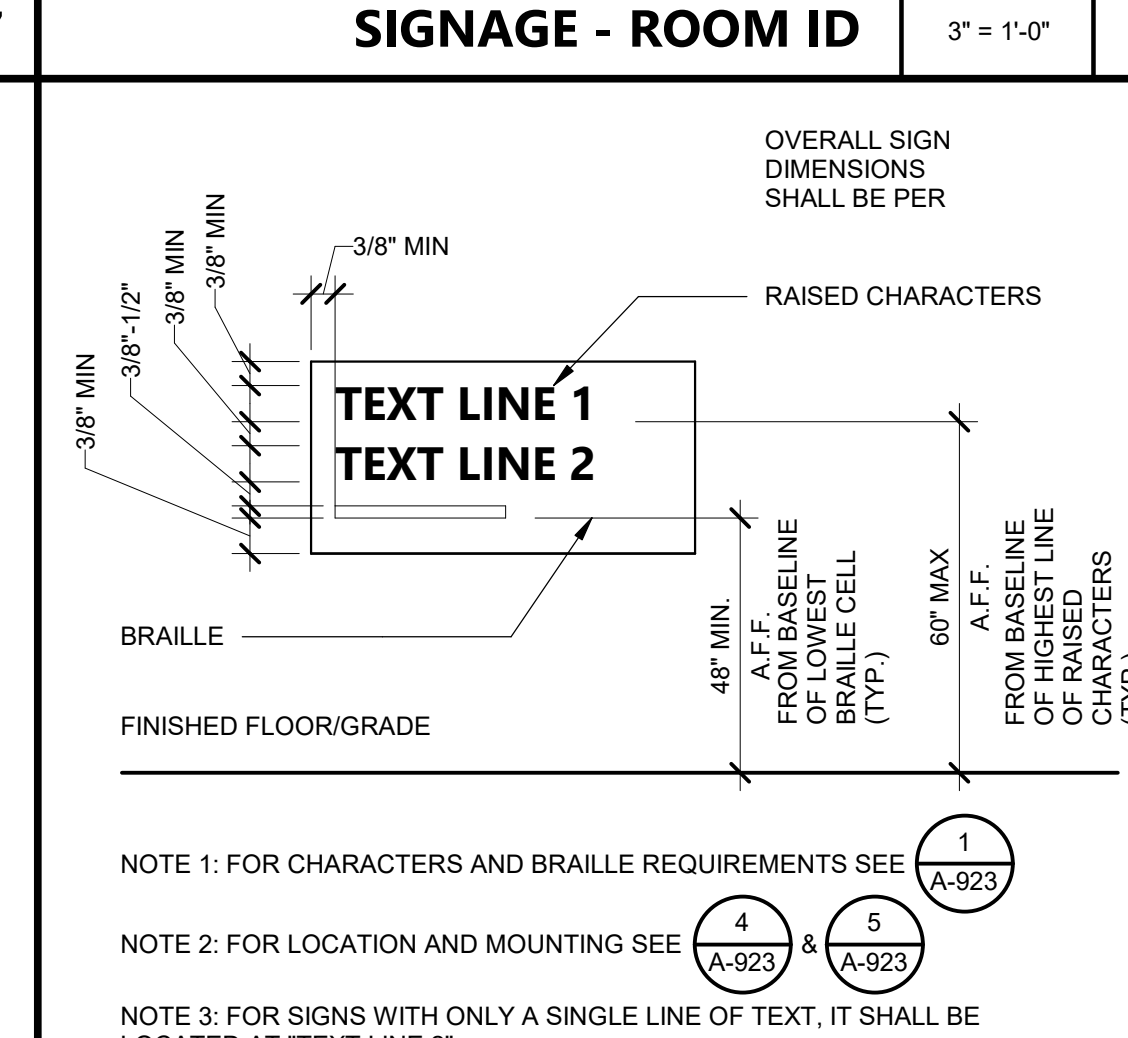
1. PROVIDE SIGNS WHERE INDICATED ON PLANS.
2. RAISED CHARACTERS SHALL COMPLY WITH SECTION 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE.
A. DEPTH-RAISED CHARACTERS SHALL BE 1/32 INCH MINIMUM ABOVE THEIR BACKGROUND
B. CASE: CHARACTERS SHALL BE UPPER CASE
C. STYLE: CHARACTERS SHALL BE SANS SERIF
D. PROPORTIONS: THE WIDTH OF LETTER "O" SHALL BE 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF LETTER "T"
E. HEIGHT: 5/8 INCH MINIMUM AND 2 INCHES MAXIMUM
3. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTION 11B-703.3.
A. DIMENSIONS:
a. BASE DOT DIAMETER 0.059 INCHES TO 0.063 INCHES SPACING IN EACH CELL AT 0.10 INCHES ON CENTER SPACING BETWEEN CELLS TO BE 0.30 INCHES DOT HEIGHT TO BE BETWEEN 0.025 INCHES TO 0.035 INCHES WITH DOMED TOPS
b. POSITION: BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT
4. CHARACTERS AND SYMBOLS SHALL BE LIGHT-ON-DARK OR DARK-ON-LIGHT CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND.
5. FOR ALL SIGNS MOUNTED ON GLAZING COORDINATE OPPOSITE SIDE SIGN IN THE SAME LOCATION WHERE NO SIGN IS SPECIFIED ON OPPOSITE SIDE, PROVIDE A BLANK SIGN TO MATCH PER 5 / A-923
6. CODE-GOVERNED SIGNS SHALL BE FIELD INSPECTED, PER 11B-703.1.1.2.

SIGNAGE - GENERAL NOTES 12" = 1'-0" 1

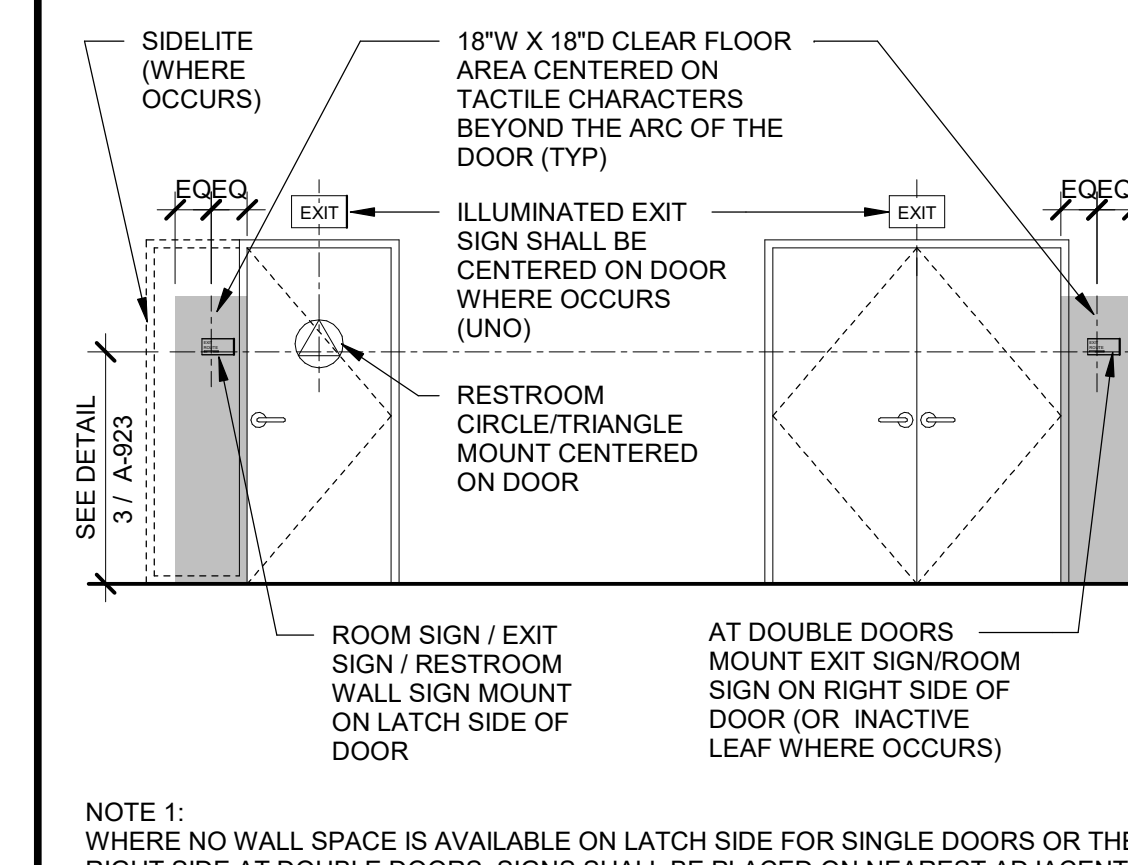


NOTE 1: FOR CHARACTERS AND BRAILLE REQUIREMENTS SEE 1 & 3
NOTE 2: FOR LOCATION AND MOUNTING SEE 4 & 5
NOTE 3: FOR ROOM NAMES THAT REQUIRE MULTIPLE LINES OF TEXT, EXPAND THE SIGN VERTICALLY TO ACCOMMODATE THE TEXT

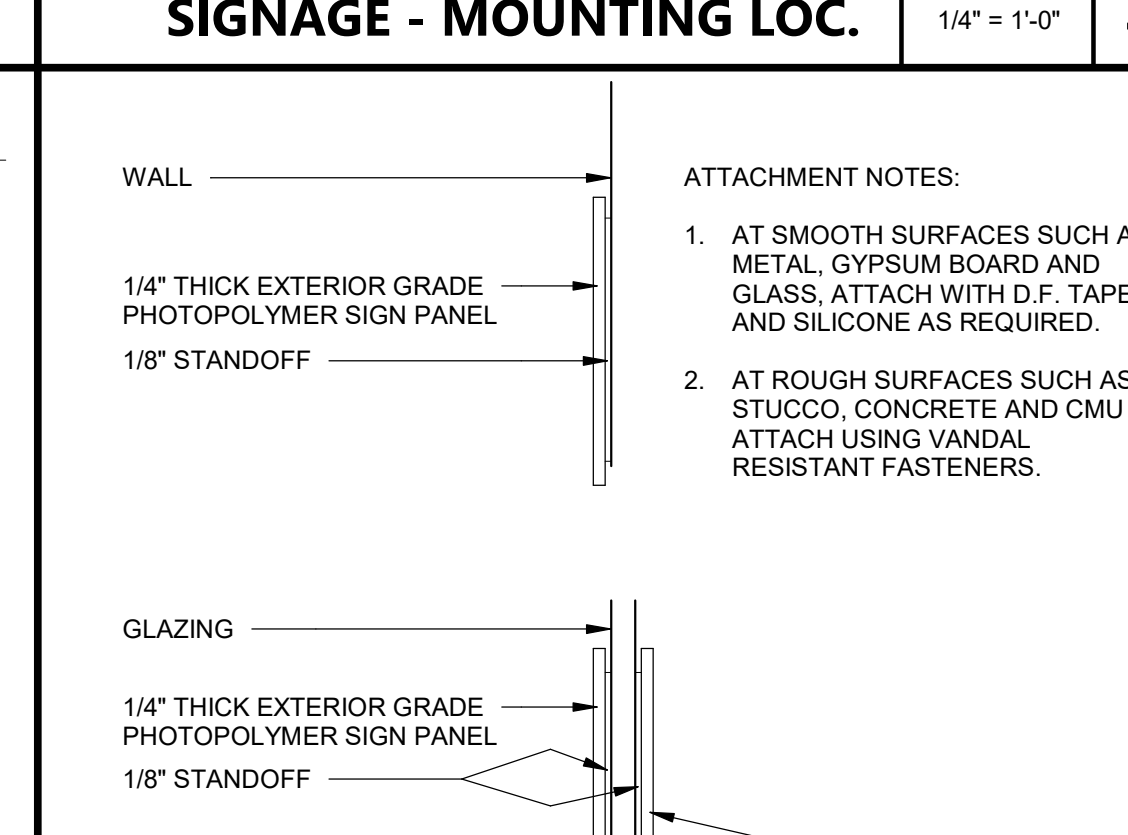
SIGNAGE - ROOM ID 3" = 1'-0" 2



SIGNAGE - CODE DIMENSIONS 3" = 1'-0" 3



SIGNAGE - MOUNTING LOC. 1/4" = 1'-0" 4



SIGNAGE - MOUNTING 3" = 1'-0" 5

AGENCY APPROVAL: DSA01-122274

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122274 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 01/26/2026

196

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SHEET TITLE
SIGNAGE DETAILS
SHEET ISSUE DATE: 12/04/25
DRAWN BY: EW,HB JOB NUMBER: 24411.01
SHEET NO.

A-923

CONSTRUCTION DOCUMENTS

ROUGH CARPENTRY

1. MATERIAL SPECIFICATIONS:
- DIMENSION LUMBER**
 - ROOF JOISTS, RAFTERS
 - FLOOR JOISTS
 - CEILING JOISTS
 - EXTERIOR & LOAD-BEARING STUDS
 - NON-LOAD BEARING STUDS
 - BLKG, FURRING
 - TIMBER**
 - SHANK (NOM) SIZE AND LARGER
 - ENGINEERED WOOD PRODUCTS**
 - LAMINATED-VENEER LUMBER (LVL)
 - PARALLEL-STRAND LUMBER (PSL)
 - SIMPLE SPAN GLB
 - CANTILEVER GLB
 - EXTERIOR GLB
 - SHEATHING**
 - PLYWOOD
 - ORIENTED-STRAND BOARD
 - 2X6 T&G DECKING
 - FASTENERS**
 - BOLTS
 - LAG BOLTS
 - NAILS
 - METAL FRAMING ANCHORS
2. MACHINE STRESS RATED LUMBER (MSR) MAY BE SUBSTITUTED FOR VISUALLY GRADED LUMBER AS FOLLOWS:
- MSR 2250F-1.9E
 - MSR 1950F-1.7E
 - MSR 1650F-1.6E
3. PROVIDE LUMBER GRADE STAMPED "KILN-DRIED" AT EXISTING STUD WALLS. FOR ALL OTHER LUMBER, PROVIDE "S-DRY," AT CONTRACTOR'S OPTION, 2x LUMBER MAY BE "S-GRN," SEASONED AT THE SITE, AND INSTALLED WHEN THE MOISTURE CONTENT REACHES 19% MAXIMUM. THE MOISTURE CONTENT SHALL BE VERIFIED BY THE PROJECT INSPECTOR OR RECORD PRIOR TO INSTALLATION. SEASON LUMBER BY OPENING BUNDLES AND SPREADING ON STICKERS TO ALLOW AIR TO CIRCULATE ON ALL FOUR SIDES. DO NOT ALLOW LUMBER TO CONTACT THE GROUND OR STANDING WATER.
4. PLYWOOD: DOUGLAS FIR, EXPOSURE 1, "STRUCTURAL I," INTERIOR TYPE, CD GRADE WITH EXTERIOR GLUE. PLYWOOD SHALL BE GRADE MARKED BY APA AND CONFORM TO PS 1.
5. PROVIDE JOIST HANGERS AS FOLLOWS, U.N.O. ON DETAILS:
- "U" SAWN LUMBER FACE MOUNTED
 - "LB" SAWN LUMBER TO TOP FLANGE
 - "LBV" ENGINEERED LUMBER
 - "MIT" PLYWOOD WEB JOIST
6. PROVIDE SILL PLATES ON CONCRETE AND MASONRY THAT ARE DOUGLAS FIR OR SOUTHERN PINE, PRESSURE IMPREGNATED WITH AN APPROVED PRESERVATIVE.
7. PROVIDE SOLID BLOCKING WITHIN 6" OF FACE OF SUPPORT AT "LB" AND "LBV" HANGERS.
8. PROVIDE HOT-DIPPED GALVANIZED NAILS AT PRESSURE-PRESERVATIVE TREATED SILL PLATE NAILING, INCLUDING STUD TOE NAILING AND SHEAR PANEL NAILING. COATING WEIGHT SHALL BE IN ACCORDANCE WITH ASTM A153.
9. SOLID BLOCK JOISTS GREATER THAN 8" DEEP AT BEARING POINTS AND 8 FEET ON CENTER.
10. SEE NAILING SCHEDULE FOR CONNECTION REQUIREMENTS, U.N.O.
11. DRILL BOLT HOLES 1/16" LARGER THAN THE BOLT NOMINAL DIAMETER.
12. SCREW LAG BOLTS INTO PLACE. DRILL LEAD AND SHANK HOLES PER TYPICAL DETAIL.
13. INSTALL STANDARD CUT WASHERS UNDER HEAD AND NUT OF BOLTS. SEE WASHER SCHEDULE FOR SIZES.
14. PROVIDE ZINC-COATED OR HOT-DIPPED GALVANIZED ANCHOR BOLTS, SILL BOLTS, HD BOLTS. COATING WEIGHT SHALL BE IN ACCORDANCE WITH ASTM A153.
15. INSTALL H.D.G. PLATE WASHERS UNDER ANCHOR BOLT NUT. SEE WASHER SCHEDULE FOR SIZES.
16. EMBED SILL ANCHOR BOLTS 7" MINIMUM BELOW SLAB/FOOTING COLD JOINT.
17. ANCHOR BEARING WALLS AND EXTERIOR WALLS WITH 5/8" DIAMETER BOLT AT 4'-0" O.C. WITH A BOLT WITHIN 9" FROM THE END OF EACH PIECE. SEE SHEAR PANEL SCHEDULE FOR ADDITIONAL BOLTING.
18. ANCHOR NON-BEARING STUD WALLS ON CONCRETE WITH 1/2" DIAMETER X 6" EMBEDMENT ANCHOR BOLTS AT 4'-0" O.C. OR POWDER DRIVEN PINS WHICH PENETRATE INTO CONCRETE MINIMUM OF 1 1/4" SPACED @ 32" O.C. ANCHOR WALLS ON CONCRETE CURBS WITH ANCHOR BOLTS.
19. RE-TIGHTEN BOLTED CONNECTIONS, ANCHOR BOLTS, AND HOLDDOWNS IMMEDIATELY BEFORE CLOSING IN.
20. SEE TYPICAL DETAIL FOR ALLOWABLE NOTCHES AND DRILLED HOLES THROUGH STUDS AND JOISTS.
21. MACHINE APPLIED NAILING: DEMONSTRATE SATISFACTORY INSTALLATION ON THE JOB, TO THE ACCEPTANCE OF THE FIELD REPRESENTATIVE OF THE DSA AND THE ARCHITECT AND/OR STRUCTURAL ENGINEER BEFORE USING MACHINE-APPLIED NAILS. APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
22. GLUE PLYWOOD FLOORING TO FLOOR JOIST AND ALL CONTACT SURFACES WITH SUBFLOOR ADHESIVE IMMEDIATELY PRIOR TO NAILING OR SCREWING PLYWOOD IN PLACE.
23. MINIMUM DIMENSION OF ANY PLYWOOD SHEET IS 24" AND THE MINIMUM AREA IS SIX (6) SQUARE FEET.
24. STAGGER SPLICES IN UPPER AND LOWER PLATES AT THE TOP OF STUD WALLS AT LEAST 4'-0". HALVE CORNERS AND INTERSECTIONS.
25. FASTEN STUD TO ADJACENT CONCRETE AND MASONRY WALLS WITH 5/8" x 6" BOLTS AT TOP, BOTTOM, AND 6" ON CENTER. USE 4x STUD WITH 5/8" x 8" BOLTS AT SHEAR WALLS.
26. EXAMINE EXISTING FRAMING FOR EVIDENCE OF TERMITE, DRY ROT, AND OTHER WOOD-DESTROYING ORGANISMS. REPORT DETERIORATION TO THE STRUCTURAL ENGINEER FOR REPAIR INSTRUCTIONS.

STRUCTURAL OBSERVATION PROGRAM

IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE (CBC) SECTION 1704.6, THE STRUCTURAL ENGINEER OF RECORD WILL PROVIDE STRUCTURAL OBSERVATION. STRUCTURAL OBSERVATION MEANS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS, AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM. REPORTS SHALL BE SUBMITTED TO THE GOVERNING AUTHORITY PRIOR TO COMPLETION OF EACH PHASE OF WORK. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE RESPONSIBILITY FOR INSPECTIONS BY THE BUILDING OFFICAL OR SPECIAL INSPECTORS REQUIRED BY CBC, SECTION 110, AND CBC SECTION 1705 OR OTHER SECTIONS.

NOTE: NOTIFY THE STRUCTURAL ENGINEER 48 HOURS IN ADVANCE OF THE FOLLOWING TIMES:

1. FOUNDATION: AFTER REINFORCING IS IN PLACE AND PRIOR TO POURING CONCRETE FOOTINGS.
2. ROUGH CARPENTRY: AT COMPLETION OF FRAMING AND PRIOR TO COVERING FRAMING.

FOUNDATIONS

1. A GEOTECHNICAL INVESTIGATION WAS NOT PREPARED OR REQUIRED FOR THIS PROJECT.
2. FOUNDATION DESIGN CRITERIA:
- BEARING PRESSURE..... 1500 PSF (DL + LL) (ASSUMED) (CLASS 5, CBC TABLE 1806A.2)
3. PRIOR TO POURING CONCRETE FOOTINGS, REMOVE ALL LOOSE EARTH, WATER, AND DEBRIS FROM THE FOUNDATION BED.
4. THE BOTTOM ELEVATION OF ALL FOOTINGS IS SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER.
5. BACKFILL AROUND FOUNDATIONS WITH SOIL MATERIAL EXCAVATED FROM THE SITE, PLACED IN 6-INCH LAYERS, COMPACTED TO A MINIMUM OF 90% WITH AIR OR GASOLINE OPERATED EQUIPMENT. NO FLOODING OR JETTING OF BACKFILL.
6. FORMWORK STAKES ARE NOT PERMITTED WITHIN FOOTING SECTIONS.

STRUCTURAL STEEL

1. MATERIAL SPECIFICATIONS:
- SILL BOLTS FOR WOOD
 - THREADED RODS
- ASTM F1554 GR. 36 HDG
ASTM A-307
2. HOT DIP GALVANIZE STEEL ASSEMBLIES EXPOSED TO WEATHER, INCLUDING CONNECTIONS, AFTER FABRICATION IN ACCORDANCE WITH ASTM A-123 (MEMBERS) OR ASTM A-153 (NUTS & BOLTS).
3. PROVIDE LIGHT GAGE METAL FRAMING OF THE TYPES AND SIZES SHOWN ON THE DRAWINGS AS MANUFACTURED BY B-LINE OR AN APPROVED EQUAL. SUBMIT ALTERNATE MANUFACTURERS "ESR" REPORT AND SPECIFICATIONS TO ARCHITECT FOR APPROVAL.

CONCRETE

1. MATERIAL SPECIFICATIONS:
- CONCRETE STRENGTH (f'c)
 - CEMENT
 - FLY ASH
 - SLAG
 - COARSE AGGREGATE (1" x #4)
 - FINE AGGREGATE
- 3000 PSI @ 28 DAYS
ASTM C-150 TYPE II (LOW ALKALI)
ASTM C-995 TYPE II (HS)
ASTM C-618
ASTM C-989
ASTM C-33 (INNOCUOUS)
ASTM C-33 (INNOCUOUS)
2. CONCRETE MIX DESIGN: SUBMIT CONCRETE MIX DESIGN, PREPARED BY THE CONCRETE SUPPLIER AND SIGNED BY A CALIFORNIA LICENSED PROFESSIONAL CIVIL ENGINEER, TO THE ARCHITECT FOR REVIEW.
- A. PROVIDE CONCRETE MIX WITH MINIMUM 5.7 SACKS OF CEMENT PER CUBIC YARD, MAXIMUM WATER/CEMENT RATIO OF 0.50 AND MAXIMUM SLUMP OF 4" +/- 1".
- B. FOR SLABS, USE MAXIMUM WATER/CEMENT RATIO OF 0.42.
- C. LIMIT FLY ASH, IF USED, TO A MAXIMUM OF 25% REPLACEMENT OF CEMENT. FOR MIX DESIGNS UTILIZING 15% OR MORE FLY ASH, PROPORTIONING SHALL BE BASED ON FIELD EXPERIENCE OR TRIAL MIXTURES, PER ACI 318, SECTION 26.4.3. PROPORTIONING PER ACI 318, SECTION 26.4.3.1(b) (WITHOUT FIELD EXPERIENCE OR TRIAL MIXTURES IS NOT ALLOWED).
3. PROVIDE READY-MIX CONCRETE, MIXED AND DELIVERED PER ASTM C94.
4. MAKE AND TEST CONCRETE CYLINDERS ACCORDING TO ASTM C192. MAKE A MINIMUM OF TWO (2) SETS FOR FOUNDATIONS AND TWO (1) SET FOR INTERIOR SLAB-ON-GRADE. EACH SET CONSISTS OF FOUR CYLINDERS. TEST ONE (1) CYLINDER AT 7 DAYS, TWO (2) AT 28 DAYS, AND HOLD (1) CYLINDER. REPORT TEST RESULTS TO THE ARCHITECT.
5. PROVIDE A LICENSED WEIGHMASTER'S CERTIFICATE INDICATING THE MATERIAL QUANTITIES IN EACH BATCH OF CONCRETE. DELIVER CERTIFICATE TO THE SITE AND GIVE TO THE PROJECT INSPECTOR. LOADS DELIVERED WITHOUT A CERTIFICATE WILL BE REJECTED.
6. TESTING OF REINFORCING BARS IS WAIVED PER 2022 CALIFORNIA BUILDING CODE, C.C.R. TITLE 24, SECTION 1910A.2 IF THE CONTRACTOR PROVIDES MILL TEST REPORTS TO THE IOR FOR EACH REINFORCING SHIPMENT.
7. CONTINUOUS BATCH PLANT INSPECTION IS WAIVED PER 2022 CALIFORNIA BUILDING CODE, C.C.R. TITLE 24, SECTION 1705A.3.1 AND THE FOLLOWING REQUIREMENTS APPLY:
- A. APPROVED INSPECTOR OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF WORK AND FURNISH MIX PROPORTIONS TO THE LICENSED WEIGHMASTER.
- B. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET
- C. TICKETS SHALL BE TRANSMITTED TO THE PROJECT INSPECTOR BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. INSPECTOR WILL NOT ACCEPT THE LOAD WITHOUT A LOAD TICKET IDENTIFYING THE MIX AND WILL KEEP A DAILY RECORD OF PLACEMENTS. IDENTIFYING EACH TRUCK, ITS LOAD AND TIME OF RECEIPT, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.
- D. IF THE CONTRACTOR PLACES CONCRETE WITHOUT VERIFYING CONFORMANCE WITH ALL OF THE ABOVE REQUIREMENTS HE SHALL PAY ALL COSTS INCURRED BY THE ARCHITECT AND STRUCTURAL ENGINEER IN GAINING AGENCY APPROVAL OF THE OMITTED ITEMS OR THEY SHALL REMOVE AND REPLACE THE CONCRETE WITH NO ADDITIONAL COST TO THE OWNER.
8. CONTINUOUS SPECIAL INSPECTION OF CONCRETE PLACING IS REQUIRED.
9. DO NOT POUR CONCRETE UNTIL STEEL PLACEMENT HAS BEEN APPROVED BY THE STRUCTURAL ENGINEER.
10. VIBRATE CONCRETE WITH ELECTRICALLY OPERATED VIBRATION EQUIPMENT AS IT IS BEING PLACED.
11. UNLESS OTHERWISE DETAILED, DOWEL SLABS-ON-GRADE TO INTERSECTING WALLS WITH #4 TIES @ 18" O.C. EXTEND DOWELS 18" INTO SLAB AND 6" INTO WALL AND PROVIDE STANDARD 90 DEGREE HOOK ON THE END.
12. UNLESS OTHERWISE NOTED, REINFORCE INTERIOR AND EXTERIOR SLABS-ON-GRADE WITH #4 @ 18" O.C. EACH WAY, PLACED IN THE CENTER OF THE SLAB. SUPPORT REINFORCING BARS ON PRECAST CONCRETE BLOCKS SPACED 48" O.C. MAXIMUM.
13. DO NOT PLACE PIPES, CONDUITS, OR DUCTS IN CONCRETE COLUMNS, BEAMS, OR SLABS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ARCHITECT.
14. FIRMLY SECURE ANCHOR BOLTS, REINFORCING STEEL, DOWELS AND OTHER INSERTS, IN POSITION PRIOR TO POURING CONCRETE.
15. LOCATION OF SLEEVES FOR PIPES, AND FOR PIPES INTENDED TO BE CAST IN CONCRETE, FOR WHICH NO SPECIFIC DETAILS ARE SHOWN SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER. DETAILS OF SUCH ASSEMBLIES SHALL BE AS DIRECTED BY THE STRUCTURAL ENGINEER.
16. IF THE CONTRACTOR DESIRES TO MAKE ANY CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN, THEY SHALL SUBMIT THE DETAILS OF SUCH JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
17. MAKE SAW CUT CONTROL JOINTS IN SLABS-ON-GRADE AS SOON AS THE SLAB CAN SUPPORT THE SAW AND OPERATOR, NOT LATER THAN EIGHTEEN (18) HOURS AFTER PLACING CONCRETE. SAWCUT DEPTH TO BE 1/3 OF SLAB THICKNESS, U.N.O.
18. PROVIDE A STEEL TROWEL FINISH ON INTERIOR CONCRETE SLABS.
19. SPRAY SLABS WITH A CURING COMPOUND IMMEDIATELY AFTER FINISHING. CURING COMPOUND SHALL BE COMPATIBLE WITH FLOOR FINISH TO BE APPLIED.

REINFORCING STEEL

1. MATERIAL SPECIFICATIONS:
- STANDARD REINFORCING BARS..... ASTM A-615, GRADE 60
2. FABRICATE AND PLACE REINFORCING BARS IN ACCORDANCE WITH ORSI MANUAL OF STANDARD PRACTICE AND THE CONTRACT DRAWINGS. PROVIDE STANDARD ACI HOOKS ON REINFORCING BARS PER THE TYPICAL DETAIL UNLESS NOTED OTHERWISE.
3. IN CONCRETE, LAP SPICE REINFORCING BARS IN ACCORDANCE WITH THE SCHEDULE ON THE DRAWINGS AND SECURELY WIRE TOGETHER. STAGGER SPLICES OF ADJACENT BARS.
4. PROVIDE MINIMUM CONCRETE COVER FOR REINFORCING AS FOLLOWS:
- CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH..... 3"
 - CAST IN FORMS AND EXPOSED TO EARTH OR WEATHER..... 2"
 - INTERIOR SLABS, WALLS, AND JOINTS..... 1"
 - INTERIOR BEAMS, GIRDERS AND COLUMNS..... 1.5"

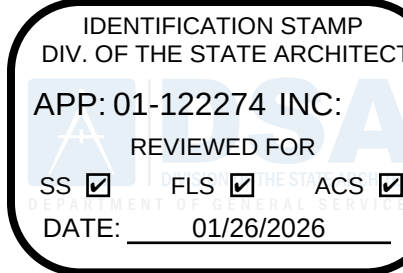
DESIGN CRITERIA

BUILDING CODE		
2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24 C.C.R.		
SEISMIC DESIGN DATA		
RISK CATEGORY	III	
IMPORTANCE FACTOR - I _s	1.25	
LATITUDE	37.648°	
LONGITUDE	-122.427°	
SITE CLASS	D - DEFAULT	
SPECTRAL RESPONSE ACCELERATION - S ₀	2.182	
SPECTRAL RESPONSE ACCELERATION - S ₁	0.908	
SPECTRAL RESPONSE COEFFICIENT - S _{0s}	1.746	
SEISMIC DESIGN CATEGORY	E	
LOCATION OF BASE OF STRUCTURE	GRADE	
COMPONENT AMPLIFICATION FACTOR - a _p	VARIES	
COMPONENT RESPONSE FACTOR - R _e	VARIES	
COMPONENT IMPORTANCE FACTOR - I _p	1.0	
BLDG. B SEISMIC REHABILITATION OF WALL LINE PARAMETERS		
RESPONSE MODIFICATION COEFFICIENT - R	6.5	
REDUNDANCY FACTOR - ρ	1.3	
SEISMIC RESPONSE COEFFICIENT - C _s	0.336	
DESIGN BASE SHEAR - V	14.8 KIPS (STR.)	
BASIC SEISMIC SYSTEM	TABLE 12.2-1 #A.15	
ANALYSIS PROCEDURE	E.L.F.	

GENERAL

1. UNLESS OTHERWISE SHOWN OR SPECIFIED, THE FOLLOWING GENERAL NOTES SHALL APPLY.
2. DETAILS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED IN A MANNER SIMILAR TO THE DETAILS THAT ARE SHOWN FOR LIKE CONDITIONS. THESE ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER AS SOON AS POSSIBLE FOR HIS APPROVAL. APPROVAL SHALL BE OBTAINED PRIOR TO INSTALLATION.
3. REPORT APPARENT DISCREPANCIES ON DRAWINGS AND/OR SPECIFICATIONS TO THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE WORK.
4. REPORT ANY DIFFERENCE BETWEEN THE EXISTING CONSTRUCTION AS OBSERVED IN THE FIELD AND AS SHOWN ON THE DRAWINGS TO THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE WORK.
5. CONSTRUCT THIS WORK IN COMPLIANCE WITH THE 2022 CALIFORNIA BUILDING CODE.
6. VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK. NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING ALL DIMENSIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR, AND SHALL INSTALL, ALL TEMPORARY BRACING AND SHORING TO INSURE THE SAFETY OF THE WORK UNTIL IT IS IN ITS COMPLETED FORM.
8. THE GENERAL CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL APPLICABLE SAFETY LAWS ARE STRICTLY ENFORCED AND TO MAINTAIN A SAFE CONSTRUCTION PROJECT.
9. COMPLY WITH THE RULES AND REGULATIONS OF THE INDUSTRIAL SAFETY COMMISSION OF THE STATE OF CALIFORNIA FOR SAFETY, SCAFFOLDING, AND SHORING.
10. THE GENERAL CONTRACTOR IS RESPONSIBLE TO PROVIDE SUPERVISION OF THE CONSTRUCTION WORK TO INSURE THAT IT IS BUILT IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE STRUCTURAL ENGINEER WILL PROVIDE ONLY PERIODIC OBSERVATION OF THE WORK.
11. BIDDERS MUST VISIT THE BUILDING SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO PROVIDE A PROJECT COMPLETE IN EVERY DETAIL AND READY FOR OCCUPANCY. DISCREPANCIES OR DELETIONS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER BEFORE THE BID DATE FOR CORRECTION.
12. MAKE AND KEEP CURRENT A SET OF "RECORD DRAWINGS" SHOWING EXACT DIMENSIONED LOCATIONS OF UNDERGROUND UTILITIES, STUD CUTS, CONSTRUCTION CHANGES, ETC.
13. DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ARCHITECT, AND THE STRUCTURAL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ARCHITECT, OR STRUCTURAL ENGINEER.
14. NOTIFY THE OWNER OF THE ADJOINING PROPERTY NO LESS THAN 10 DAYS PRIOR TO MAKING BASEMENT EXCAVATION, PROTECT ADJOINING PROPERTY AND BUILDINGS AND SHARE THE COST OF SUCH PROTECTION AS DEFINED IN SECTION 3301.2 OF THE 2022 CALIFORNIA BUILDING CODE.
15. THE CONTRACTOR IS RESPONSIBLE FOR ALL EARTH EXCAVATION AND EARTH SHORING WORK, AND IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REPAIRING DAMAGE TO EXISTING FACILITIES AND ADJOINING PROPERTY.
16. THE STRUCTURAL ENGINEERING SERVICES PERFORMED FOR THIS PROJECT HAVE BEEN DONE USING THAT DEGREE OF CARE, AND SKILL ORDINARILY EXERCISED, UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE STRUCTURAL ENGINEERS PRACTICING IN THIS OR SIMILAR LOCALITIES. THE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EITHER EXPRESSED OR IMPLIED.
17. (E) DESIGNATES "EXISTING" AND (N) DESIGNATES "NEW."
18. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING ITEMS:
- A. SIZE AND LOCATION OF DOOR AND WINDOW OPENINGS.
- B. LOCATION OF INTERIOR NON-BEARING WALLS.
- C. LOCATION OF CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, ETC.
- D. STAIR AND RAILING DIMENSIONS AND CLEARANCES.

STRUCTURAL SHEET INDEX			
SHEET #	SHEET NAME	REV #	DATE
S-001	GENERAL NOTES		
S-101	TYPICAL DETAILS		
S-102	TYPICAL DETAILS		
S-201	BLDG C FOUNDATION PLAN		
S-202	BLDG C SECOND FLOOR FRAMING PLAN		
S-203	BLDG. B PLANS		
STRUCTURAL SHEETS TOTAL: 6			



196

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PROFESSIONAL STAMP DATE SIGNED: 12/03/2025



REVISIONS ORIGINAL ISSUE DATE: 12/04/2025

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE
GENERAL NOTES

SHEET ISSUE DATE: 2/4/2024

DRAWN BY: JHR JOB NUMBER: 24411.01

SHEET NO.

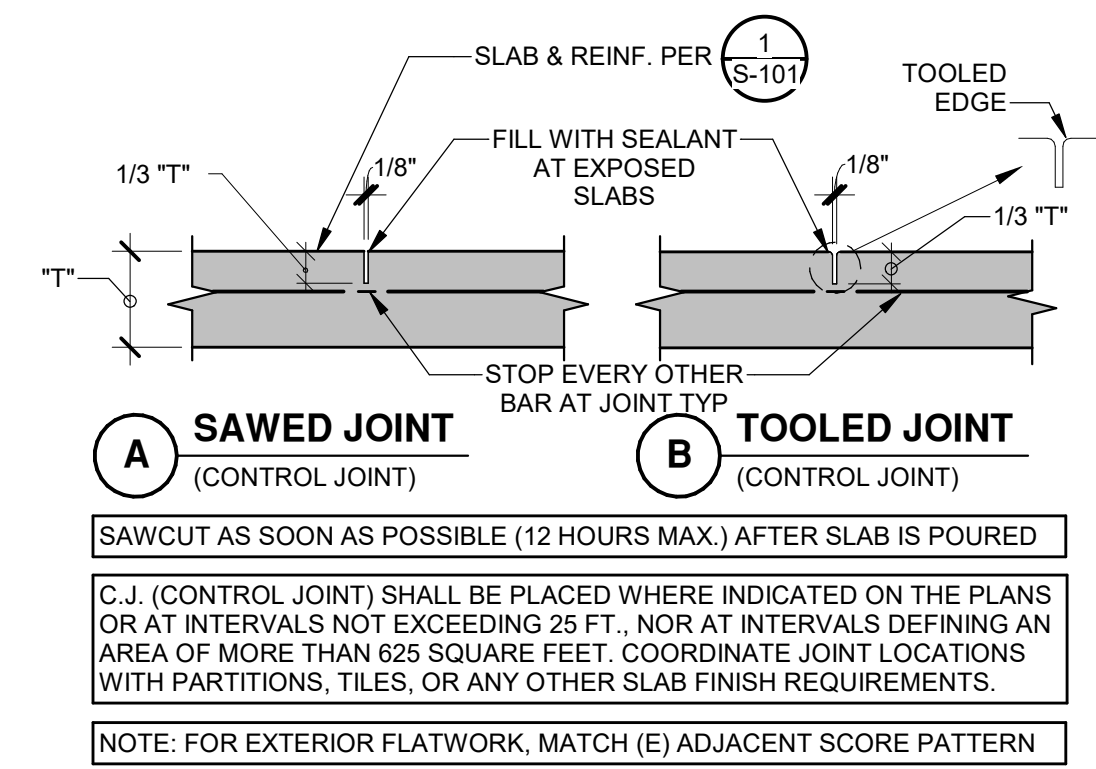
S-001

FILE LOCATION: Autocad Docs:\24411 South SF High School - Special Needs\24411.01_SSHS_Special_Needs_S24_V3.rvt DATE PLOTTED: 12/3/2025 6:44:58 PM

NAILING SCHEDULE	
CONNECTION	NAILING
JOIST TO SILL OR GIRDER, TOE NAIL	(3) 8d
BRIDGING TO JOIST, TOE NAIL EACH END	(2) 8d
1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	(2) 8d
WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST, FACE NAIL	(3) 8d
2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	(2) 16d
SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d @ 16" O.C.
SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS	(3) 16d PER 16"
TOP PLATE TO STUD, END NAIL	(2) 16d
STUD TO SOLE PLATE	(4) 8d TOE NAIL OR (2) 16d SINKERS END NAIL
DOUBLE STUDS, FACE NAIL	16d @ 24" O.C.
DOUBLE TOP PLATES, TYPICAL FACE NAIL	16d @ 16" O.C.
DOUBLE TOP PLATES, LAP SPlice	(8) 16d
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOE NAIL	(3) 8d
RIM JOIST TO TOP PLATE, TOE NAIL	8d @ 6" O.C.
TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	(2) 16d
CONTINUOUS HEADER, TWO PIECES	16d @ 16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOE NAIL	(3) 8d
CONTINUOUS HEADER TO STUD, TOE NAIL	(4) 8d
CEILING JOISTS LAPS OVER PARTITION, FACE NAIL	(3) 16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 16d
RAFTER TO PLATE, TOE NAIL	(3) 8d
1" BRACE TO EACH STUD AND PLATE, FACE NAIL	(2) 8d
1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	(2) 8d
WIDER THAN 1" x 8" SHTG TO EACH BEARING, FACE NAIL	(3) 8d
BUILT-UP CORNER STUDS	16d @ 24" O.C.
BUILT-UP GIRDER AND BEAMS	20d @ 24" O.C. AT TOP & BOTTOM & STAGGERED (2) 20d AT ENDS & AT EACH SPlice
2" PLANKS	(2) 16d AT EACH BEARING
JOIST TO RIM JOIST, FACE NAIL	(3) 16d
TYPICAL NAIL DIMENSIONS	
16d COMMON: .162"ø x 3-1/2"	10d COMMON: .148"ø x 3"
10d SINKER: .148"ø x 3-1/4"	8d COMMON: .131"ø x 2-1/2"
DIAPHRAGMS AND SHEAR WALLS (GUN NAILS): SUBMIT CURRENT ESR-1300 REPORT STATING THAT THE NAILS ARE RECOGNIZED FOR USE IN ENGINEERED DIAPHRAGMS AND SHEAR WALLS.	

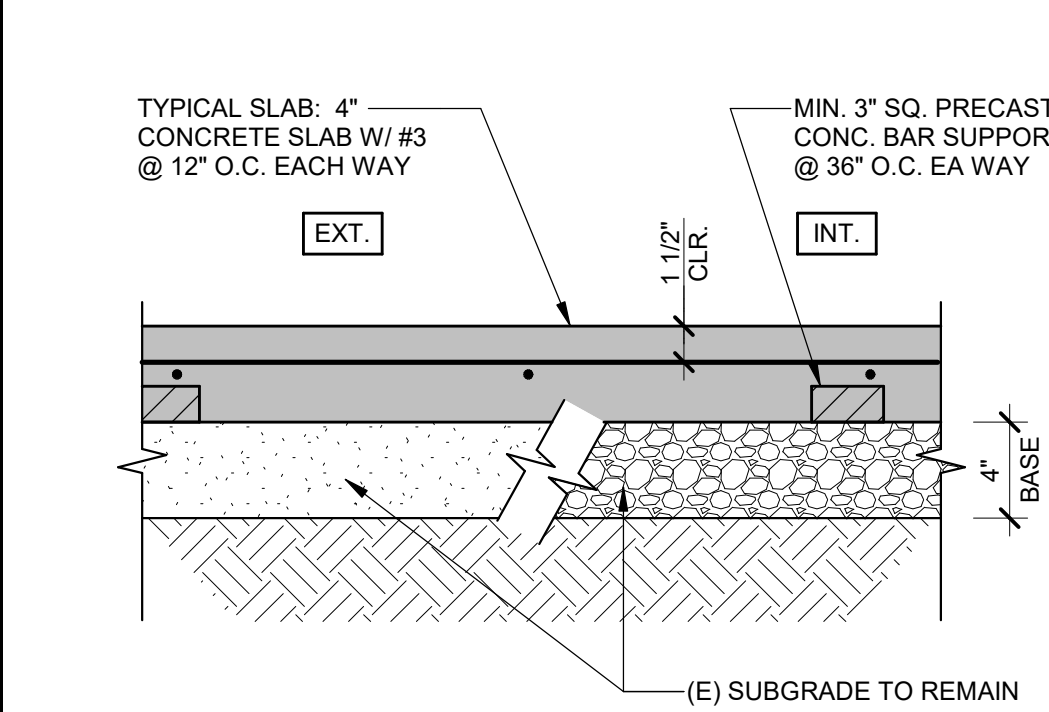
REINFORCING BAR LAP SCHEDULE			
NWC $f_c = 3000$ psi $f_y = 60$ ksi			
BAR SIZE	TOP BARS	OTHER BARS	
#3	28"	22"	
#4	38"	30"	
#5	48"	36"	
#6	56"	44"	
#7	82"	64"	
#8	94"	72"	
#9	106"	82"	
#10	116"	90"	
#11	128"	98"	

NOTES:
1. TOP BARS ARE HORIZONTAL BARS WITH 12" OR MORE OF CONCRETE CAST BELOW THEM.
2. TYPICAL REINFORCING BAR LAP SPlice LENGTH FOR 3000 PSI NORMAL-WEIGHT CONCRETE



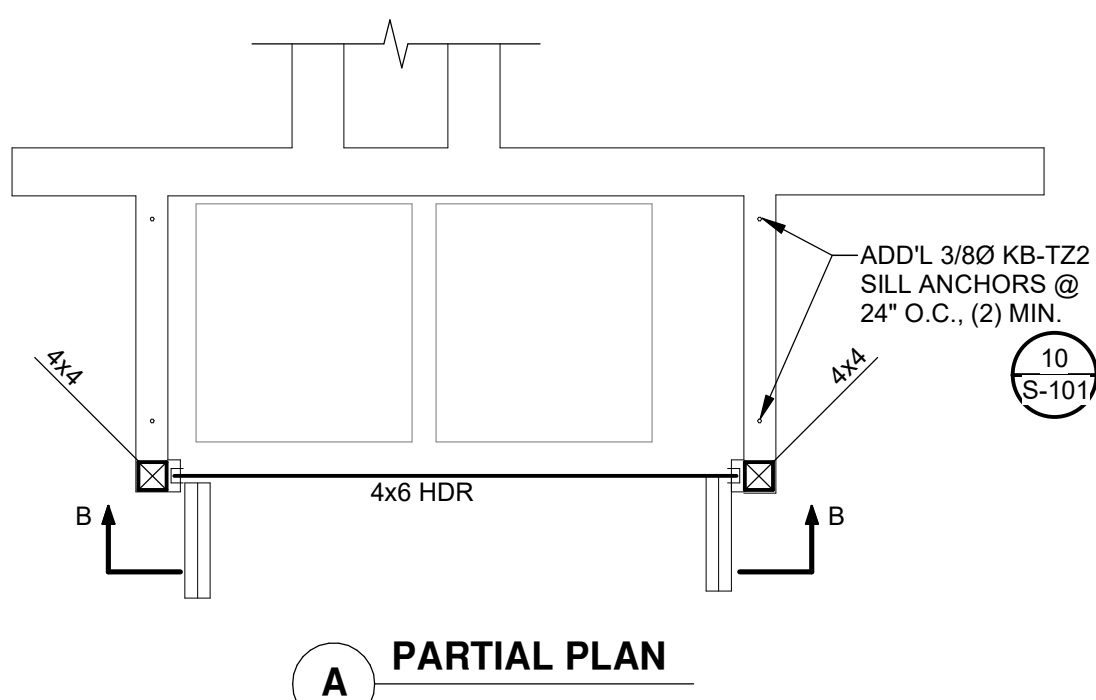
ALLOWABLE NOTCHES WOOD		
STUDS	MAXIMUM NOTCH DEPTH	MAXIMUM HOLE DIA
2x4	NOT ALLOWED	1 1/8"
2x6	NOT ALLOWED	1 3/4"
2x8	NOT ALLOWED	2 3/8"

HOLES MAY BE DRILLED AT THE CENTER OF STUDS NOTCHING OF STUDS IS NOT ALLOWED

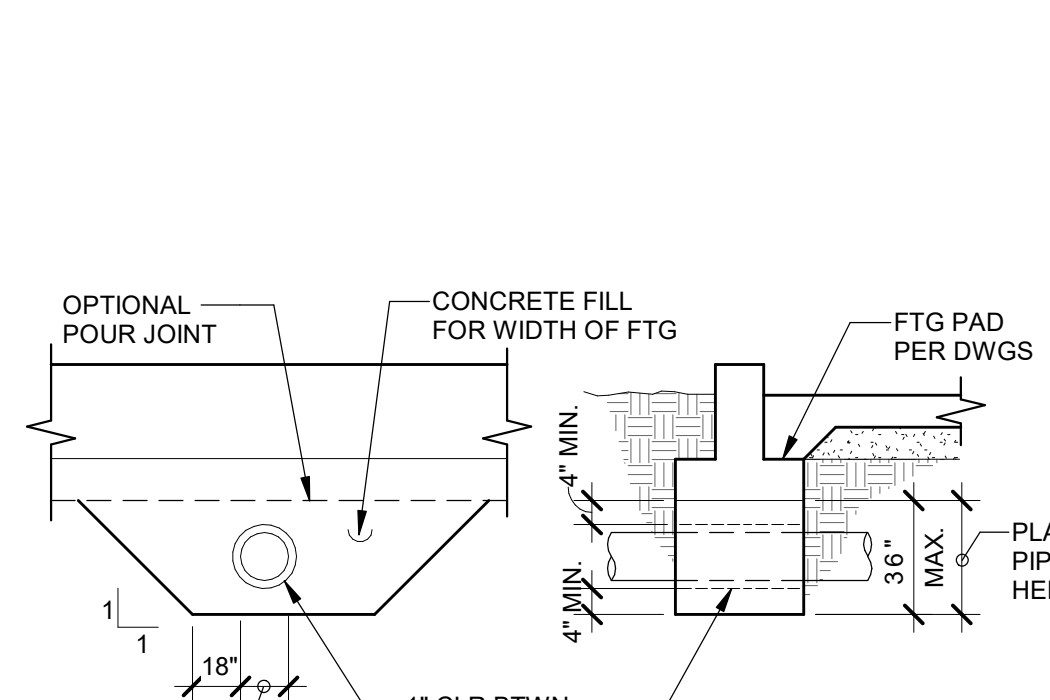


3000PSI CONC. LAP SCHED.

SLAB CONTROL JOINT



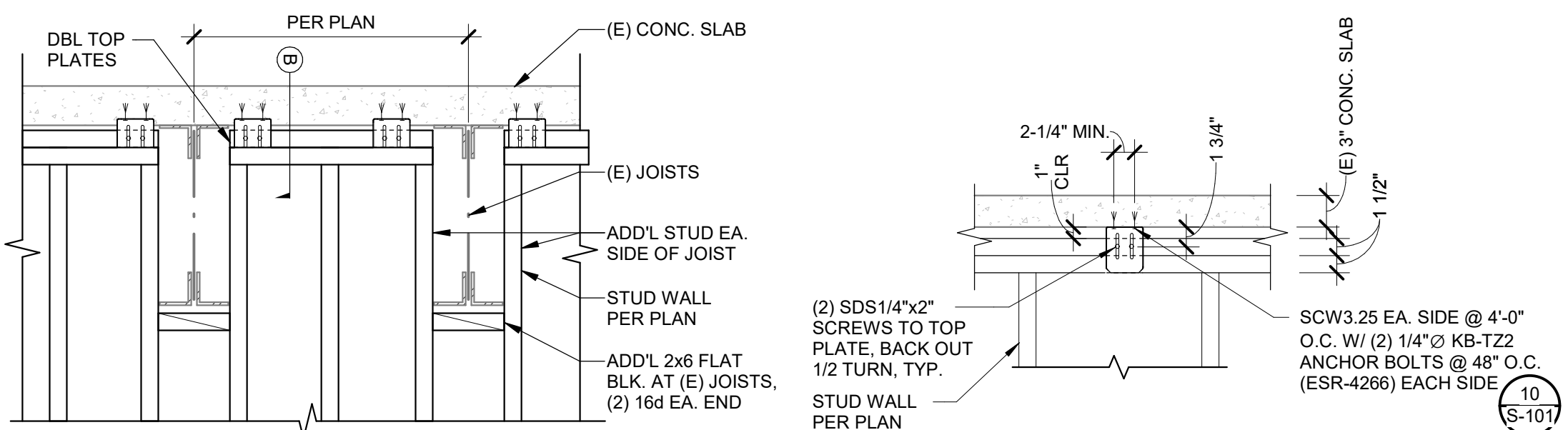
ALLOWABLE NOTCHES WOOD



EXT. SLAB ON GRADE - BLDG. B

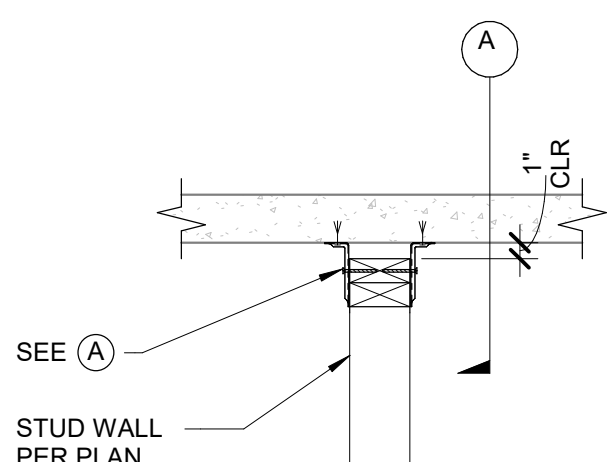
STANDARD REINFORCING HOOKS			
BAR SIZE	DIM. D	DIM. J	DIM. A
#3	2 1/4"	3"	6"
#4	3"	4"	8"
#5	3 3/4"	5"	10"
#6	4 1/2"	6"	12"
#7	5 1/4"	7"	1'-2"
#8	6"	8"	1'-4"
#9	9 1/2"	11 3/4"	1'-7"
#10	10 3/4"	1'-1 1/4"	1'-10"
#11	12"	1'-2 3/4"	2'-0"
#14	1'-6 1/4"	1'-9 3/4"	2'-7"
#18	2'-0"	2'-4 1/2"	3'-5"

NAILING SCHEDULE

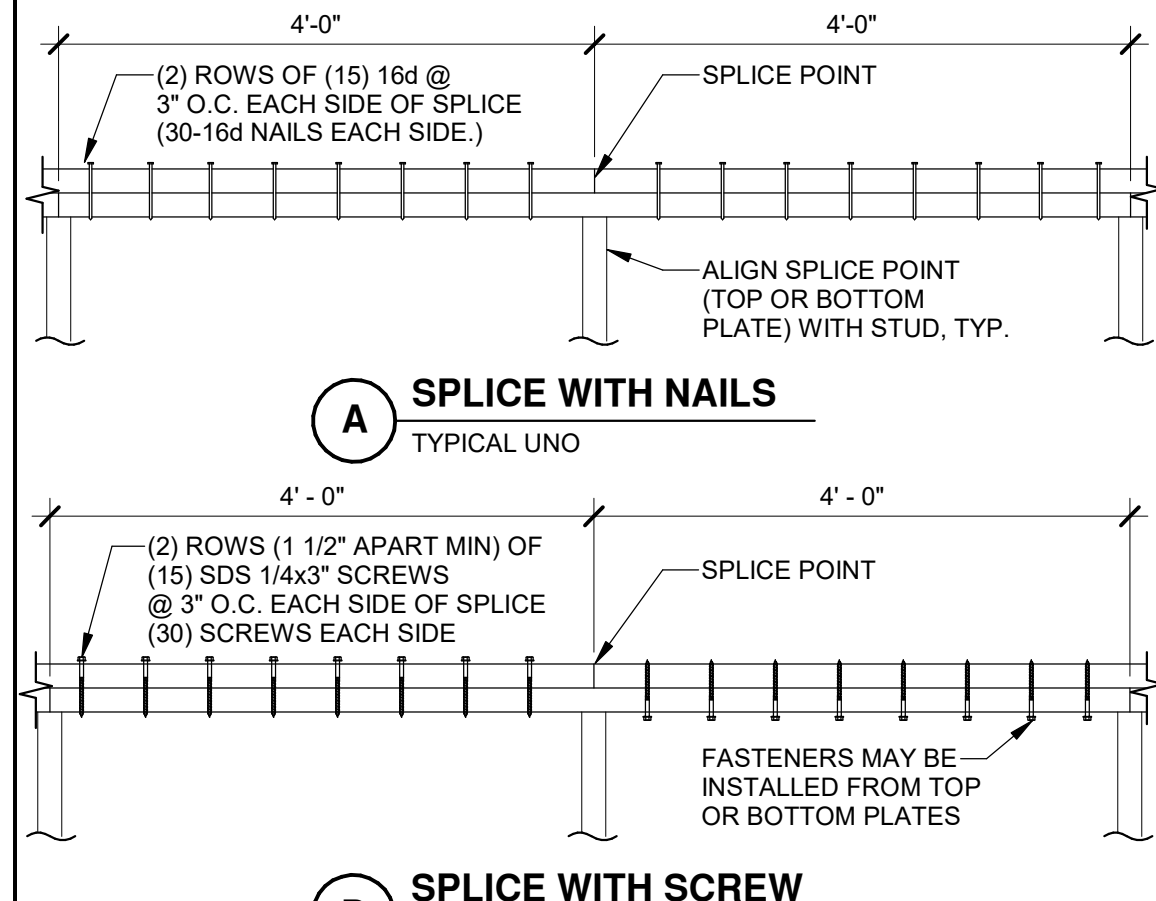


WALLS PERP. TO JOISTS

WALLS PARALLEL TO JOISTS



STUD WALL TO (E) SLAB

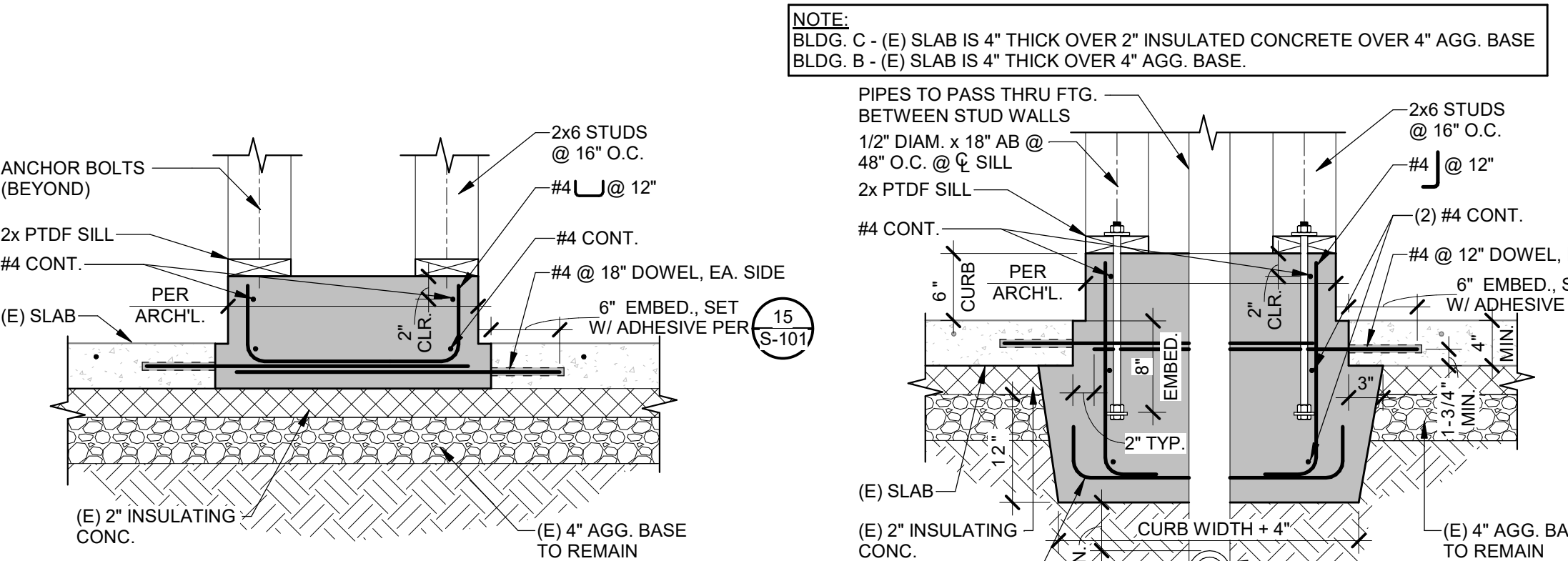


SPlice WITH NAILS

SPlice WITH SCREW

PARTITION WALL TOP CONN.

DBL TOP PLATE SPlice



PARTITION AT CURB

PARTITION AT CURB

INTERIOR PARTITION

SLAB AT INTERIOR PARTITIONS

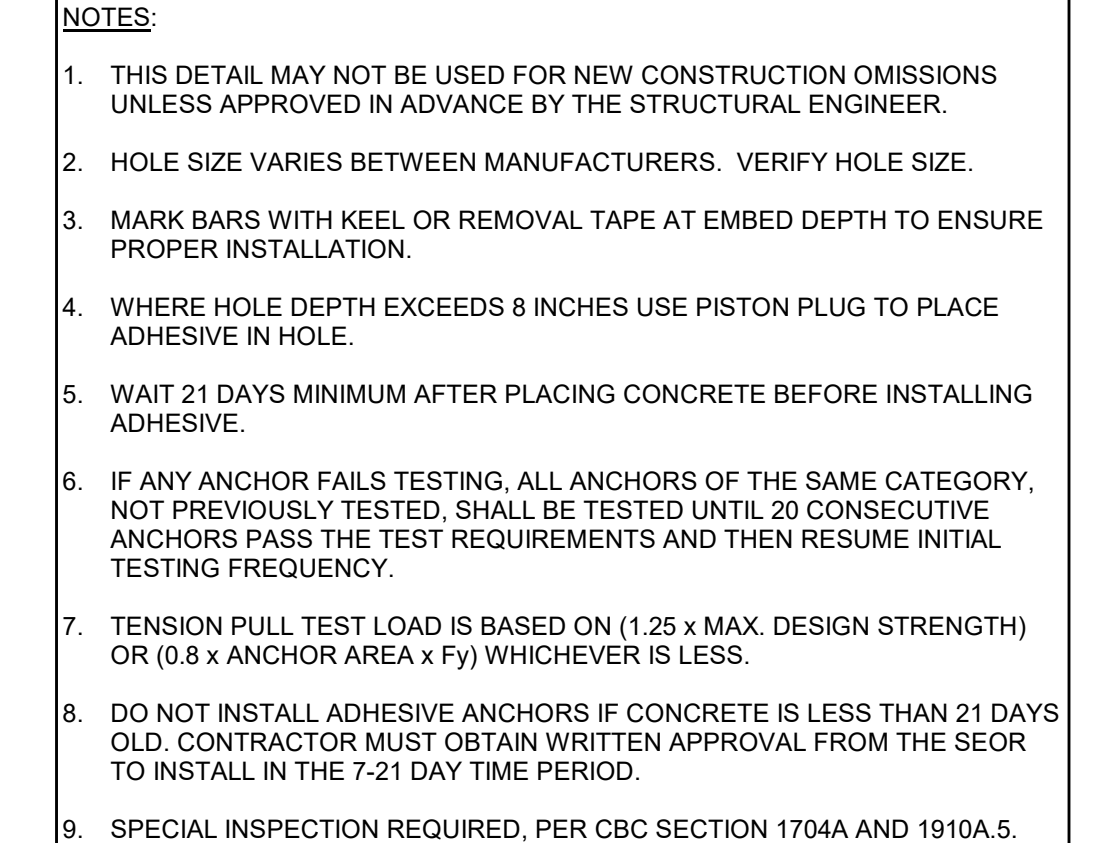
ADHESIVE THAT MAY BE USED ON THIS PROJECT			
MATERIAL	MANUFACTURER	PRODUCT	EVALUATION REPORT
CONCRETE	HILTI	HIT-RE 500 V3	3814
CONCRETE	SIMPSON STRONG TIE	SET-3G	4057

ANCHOR TYPE TENSION PULL TEST VALUE (1.25 x MAX. DESIGN STRENGTH)

#3 REBAR (4" OR 6" EMBED, CONCRETE)	2.000# *
#4 REBAR (4" OR 6" EMBED, CONCRETE)	3.000# *
#5 REBAR (6" EMBED, CONCRETE)	4.000# *
5/8"Ø THRD'D ROD (SILL BOLT)	5.000# (TEST 100% OF ANCHORS)
5/8"Ø THRD'D ROD (THRU-BOLT)	TESTING NOT REQ'D.

* REBAR EPOXIED FOR SITE FLATWORK OR OTHER NON-STRUCTURAL CONCRETE IS EXEMPT FROM PULL-TEST REQUIREMENTS

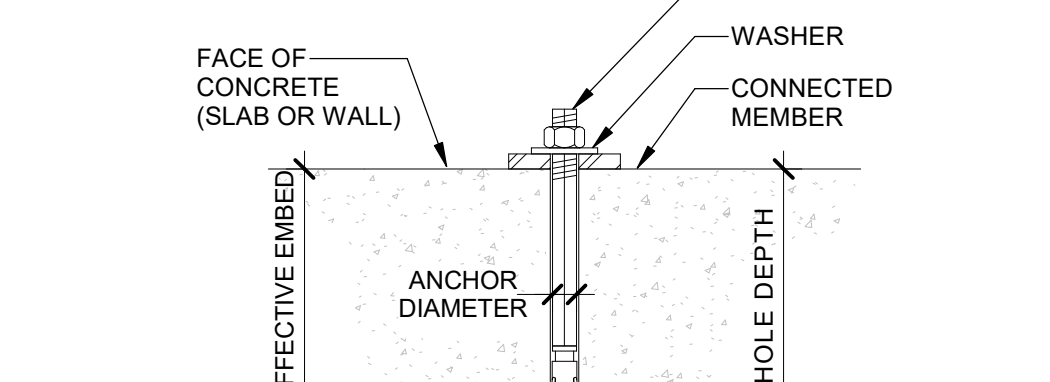
ADHESIVE USED MUST BE CARTRIDGE TYPE. BULK ADHESIVE IS NOT ALLOWED



ADHESIVE ANCHORS

PIPE SLEEVE TRENCH

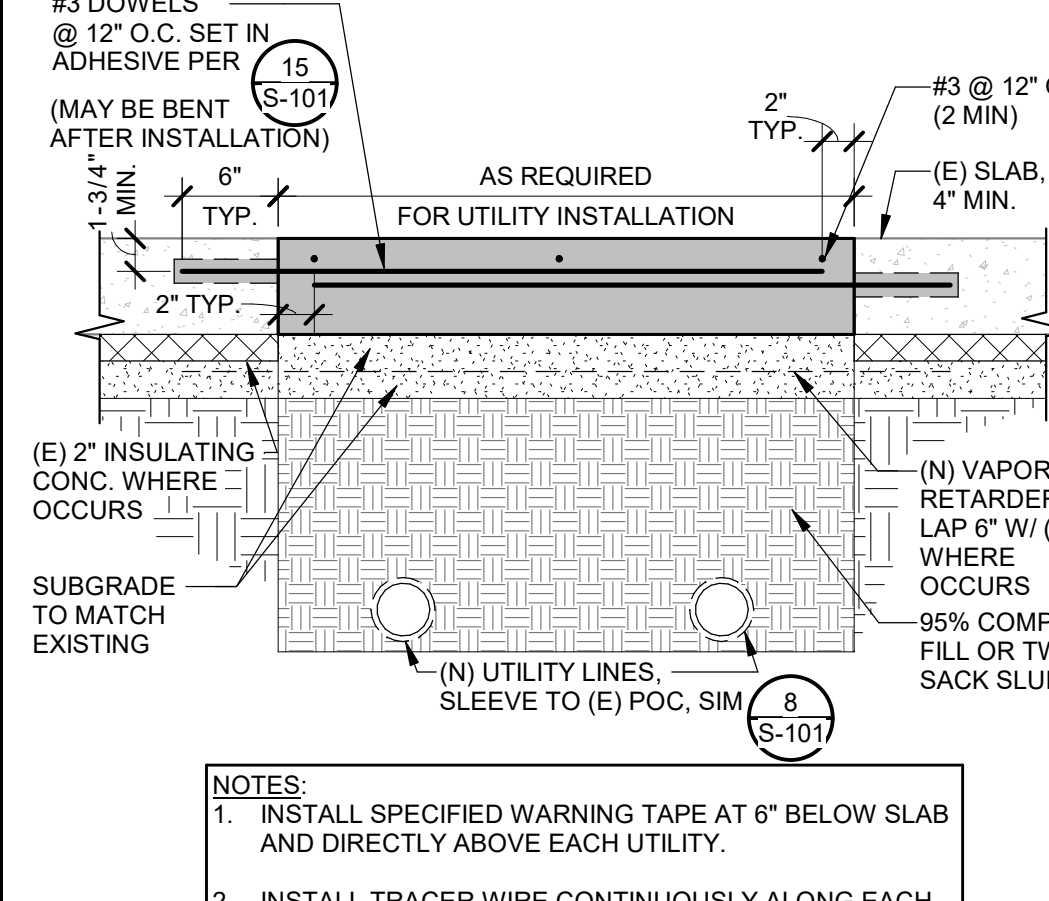
KB-TZ2 ANCHOR IN CONCRETE					
ANCHOR DIAMETER	DRILL BIT DIAMETER	EFFECTIVE EMBED	HOLE DEPTH	C.S. INSTALL TORQUE	S.S. INSTALL TORQUE
1/4"	1/4"	1 1/2"	2"	4 FT-LBS	6 FT-LBS
3/8"	3/8"	2 1/2"	3 1/4"	30 FT-LBS	30 FT-LBS
1/2"	1/2"	3 1/4"	4 1/4"	50 FT-LBS	40 FT-LBS
5/8"	5/8"	4"	4 3/4"	40 FT-LBS	60 FT-LBS
3/4"	3/4"	4 3/4"	5 3/4"	110 FT-LBS	125 FT-LBS
1"	1"	5 3/4"	6 3/4"	185 FT-LBS	185 FT-LBS



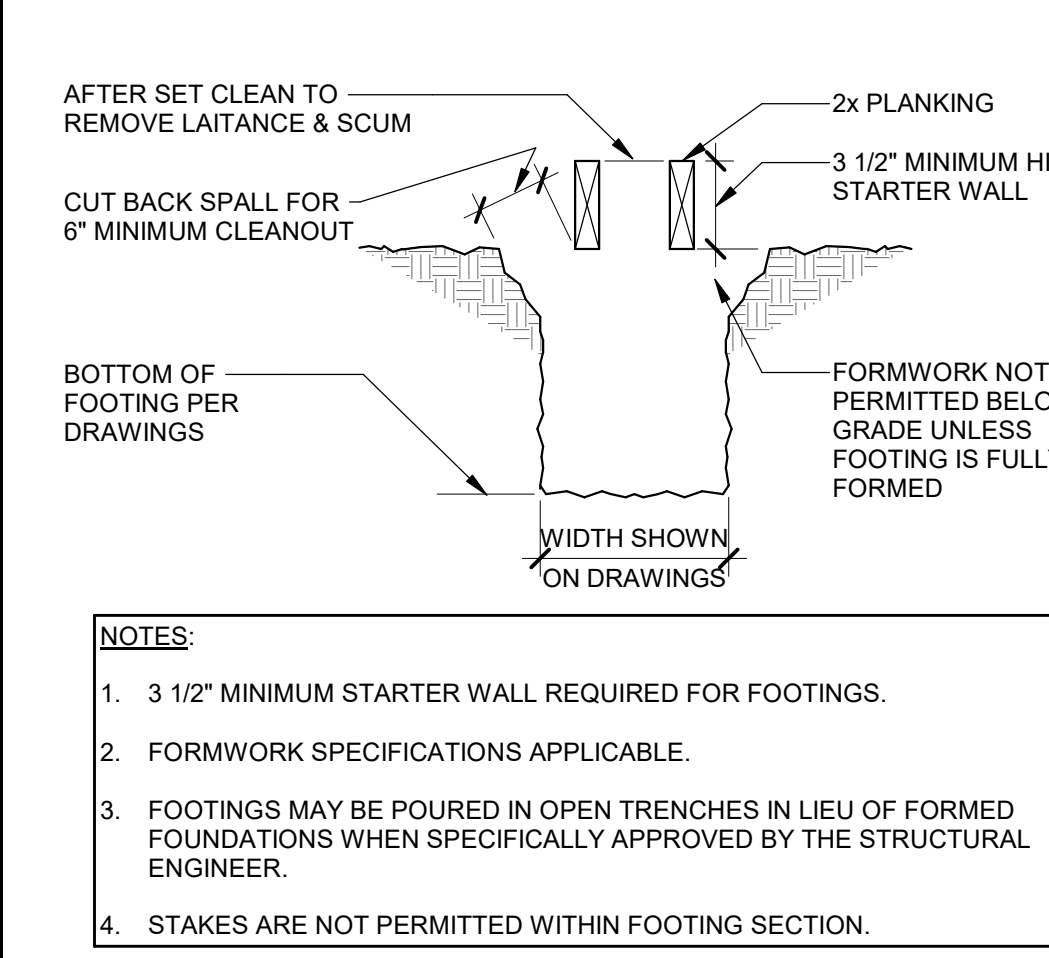
- NOTES:
- SPECIAL INSPECTION REQUIRED, PER ICC ESR-4266 SECTION 4.3 AND CBC SECTION 1704A.2
 - INSTALL ANCHORS IN CONCRETE IN ACCORDANCE WITH ICC REPORT ESR-4266 SECTION 5.0, CONDITIONS OF USE, AND MANUFACTURERS INSTRUCTIONS.
 - TORQUE TEST 100% OF ANCHORS USED FOR STRUCTURAL APPLICATIONS, 50% FOR NON-STRUCTURAL COMPONENTS (EQUIPMENT), AND 10% FOR SILL APPLICATIONS. IF ANY ANCHOR FAILS TESTING, IT SHALL BE RE-PLACED AND RE-TESTED AND 100% OF THE ANCHORS OF THE SAME CATEGORY INSTALLED BY THE SAME CREW FOR THE APPLICATION, SHALL BE TESTED UNTIL ALL ANCHORS PASS THE TEST REQUIREMENTS AND THEN RESUME INITIAL TESTING.
 - WHERE HOLE DEPTH EXCEEDS 8 INCHES USE PISTON PLUG TO PLACE ADHESIVE IN HOLE.
 - WAIT 21 DAYS MINIMUM AFTER PLACING CONCRETE BEFORE INSTALLING ADHESIVE.
 - IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME CATEGORY, NOT PREVIOUSLY TESTED, SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS THE TEST REQUIREMENTS AND THEN RESUME INITIAL TESTING FREQUENCY.
 - TENSION PULL TEST LOAD IS BASED ON (1.25 x MAX. DESIGN STRENGTH) OR (0.8 x ANCHOR AREA x f_y) WHICHEVER IS LESS.
 - DO NOT INSTALL ADHESIVE ANCHORS IF CONCRETE IS LESS THAN 21 DAYS OLD. CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE SEOR TO INSTALL IN THE 7-21 DAY TIME PERIOD.
 - SPECIAL INSPECTION REQUIRED, PER CBC SECTION 1704A AND 1910A.5

KB-TZ2 INTO CONCRETE

STD. REINFORCEMENT HOOKS



UTILITY TRENCH



FORMWORK

AGENCY APPROVAL: DSA 01-122274

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122274 INC.
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 01/26/2026

19.6

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TEL (916) 851-3500

PROFESSIONAL STAMP DATE SIGNED: 12/03/2025

REGISTERED PROFESSIONAL ENGINEER
MARK D. CRITTENDEN
No. 2518
Exp. 3/31/26
STATE OF CALIFORNIA

REVISIONS ORIGINAL ISSUE DATE: 12/04/2025

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE
TYPICAL DETAILS

SHEET ISSUE DATE: 11/05/14

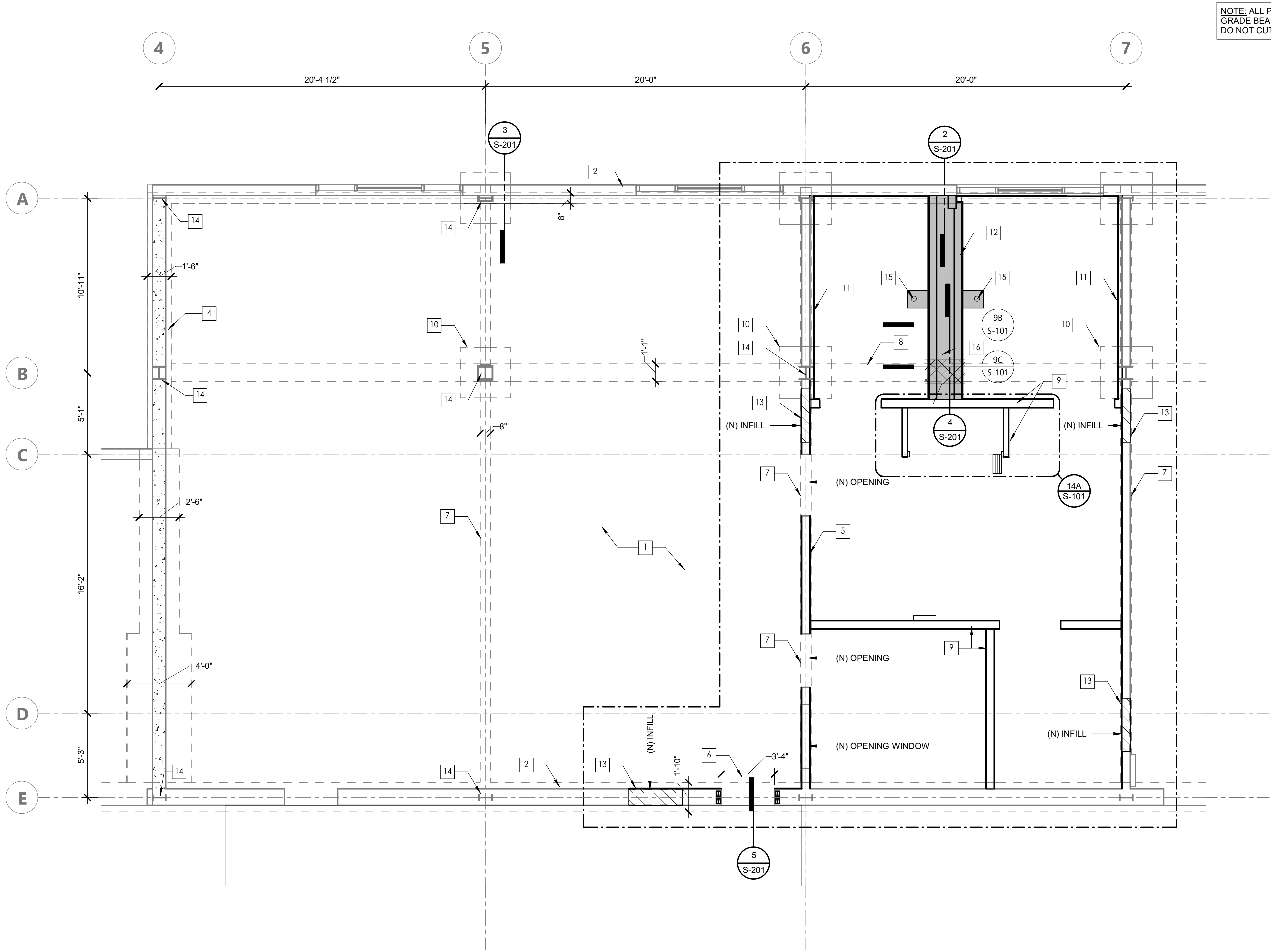
DRAWN BY: XX JOB NUMBER: 24411.01

SHEET NO.

S-101

CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS



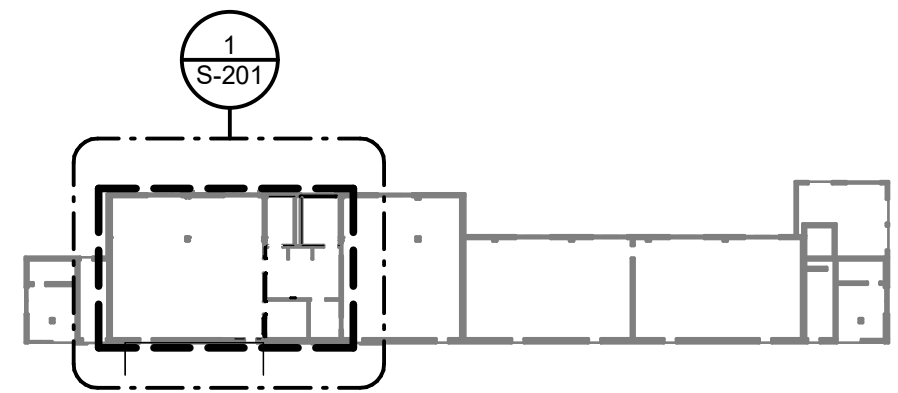
NOTE: ALL PIPES TO SWEEP UNDER (E) GRADE BEAMS. SCAN FOR (E) REINFORCING. DO NOT CUT EXISTING REINFORCING.

LEGEND - FOUNDATION PLAN

- (E) CONTINUOUS CONCRETE FOOTING
- (E) CONCRETE PAD FOOTING
- (E) STUD WALL
- (E) CONCRETE WALL
- (N) WALL
- (N) CONCRETE CURB
- (N) INFILL WALL
- LIMITS OF WORK

KEYED NOTES

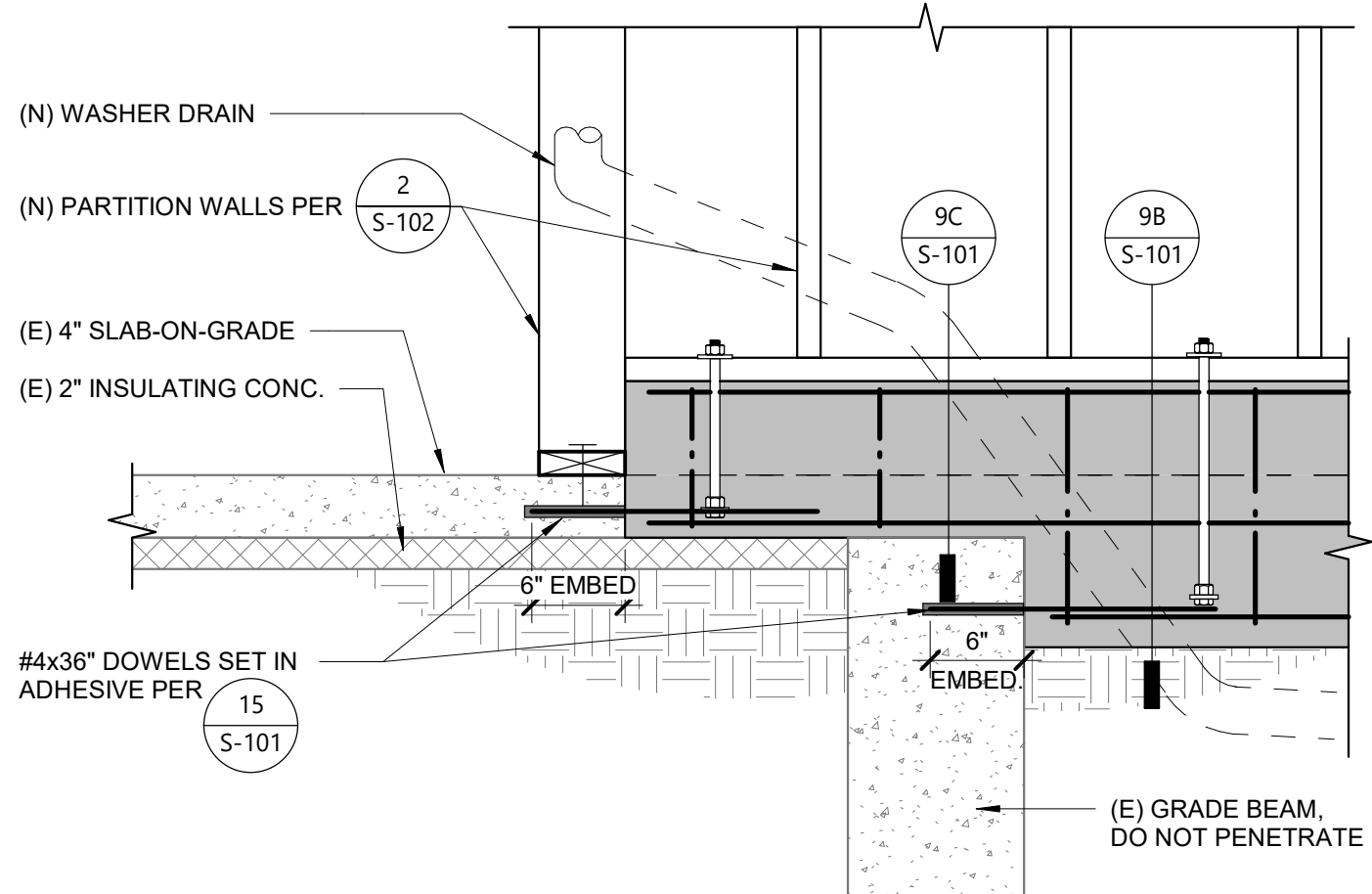
- (E) CONCRETE 4" THICK CONCRETE SLAB O/ 2" THICK SLAB
- (E) 2x10 STUDS @ 16" O.C. NON-STRUCTURAL EXTERIOR WALL
- (E) METAL PANEL EXTERIOR WALL WITH CORRUGATED EXTERIOR TRANSITE FINISH
- (E) CONCRETE WALL
- (E) STUD WALL
- (N) DOOR THROUGH (E) EXTERIOR STUD WALL
- (E) 12"x12" CONCRETE TIE BEAM W/ (2) #5 BARS T&B
- (E) 13"x3'-6" CONCRETE GRADE BEAM W/ (3) #7 BARS T&B
- (N) STUD WALL PARTITION, TOP OF WALL CONN. PER
- (E) PAD FOOTING
- (N) FURRING WALL PER ARCHT.
- (N) 2x6 STUDS PLUMBING WALL ON 6" HIGH CONCRETE CURB
- (N) STUD WALL INFILL
- (E) WF COLUMN
- (N) FLOOR DRAIN, SEE PLUMBING, TRENCH PER
- ANGLE (N) WASHER DRAIN LINE TO PASS IN WALL CAVITY, OVER THE TOP OF THE (E) GRADE BEAM



KEY PLAN - BLDG. C

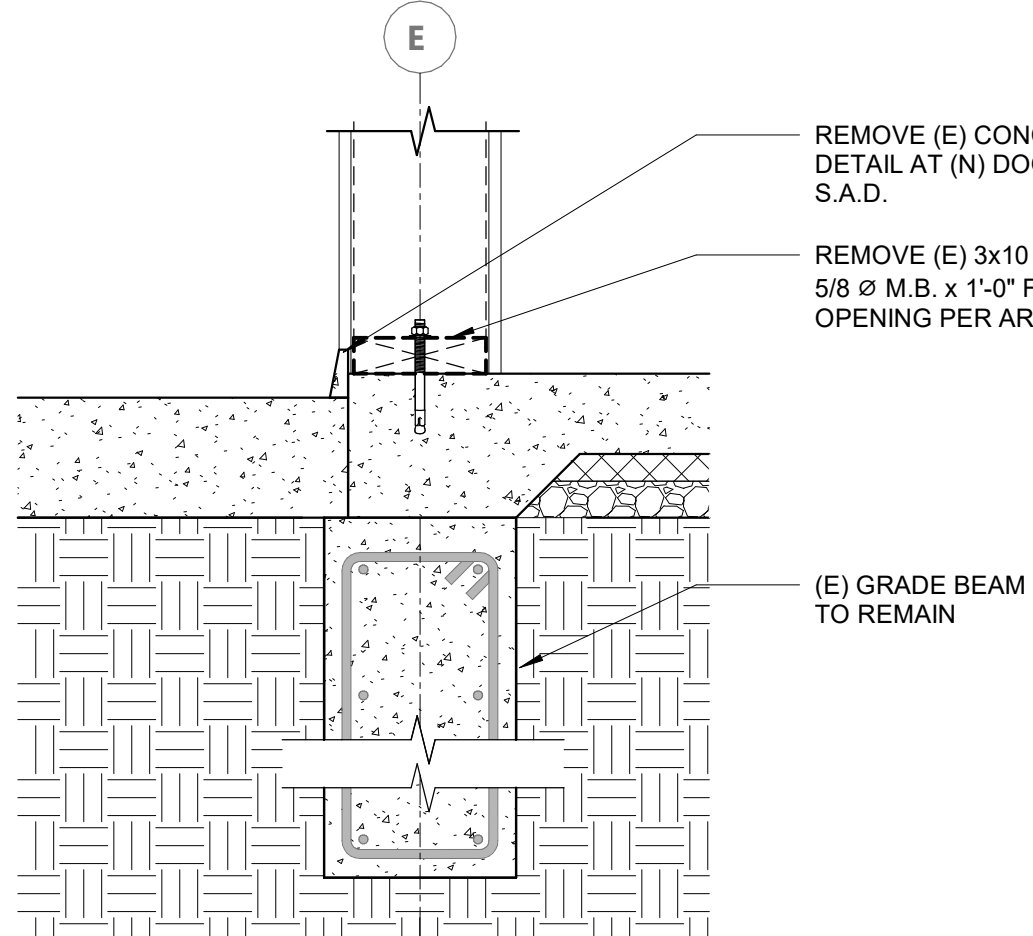
EXISTING FOUNDATION PLAN

1/4" = 1'-0" 1



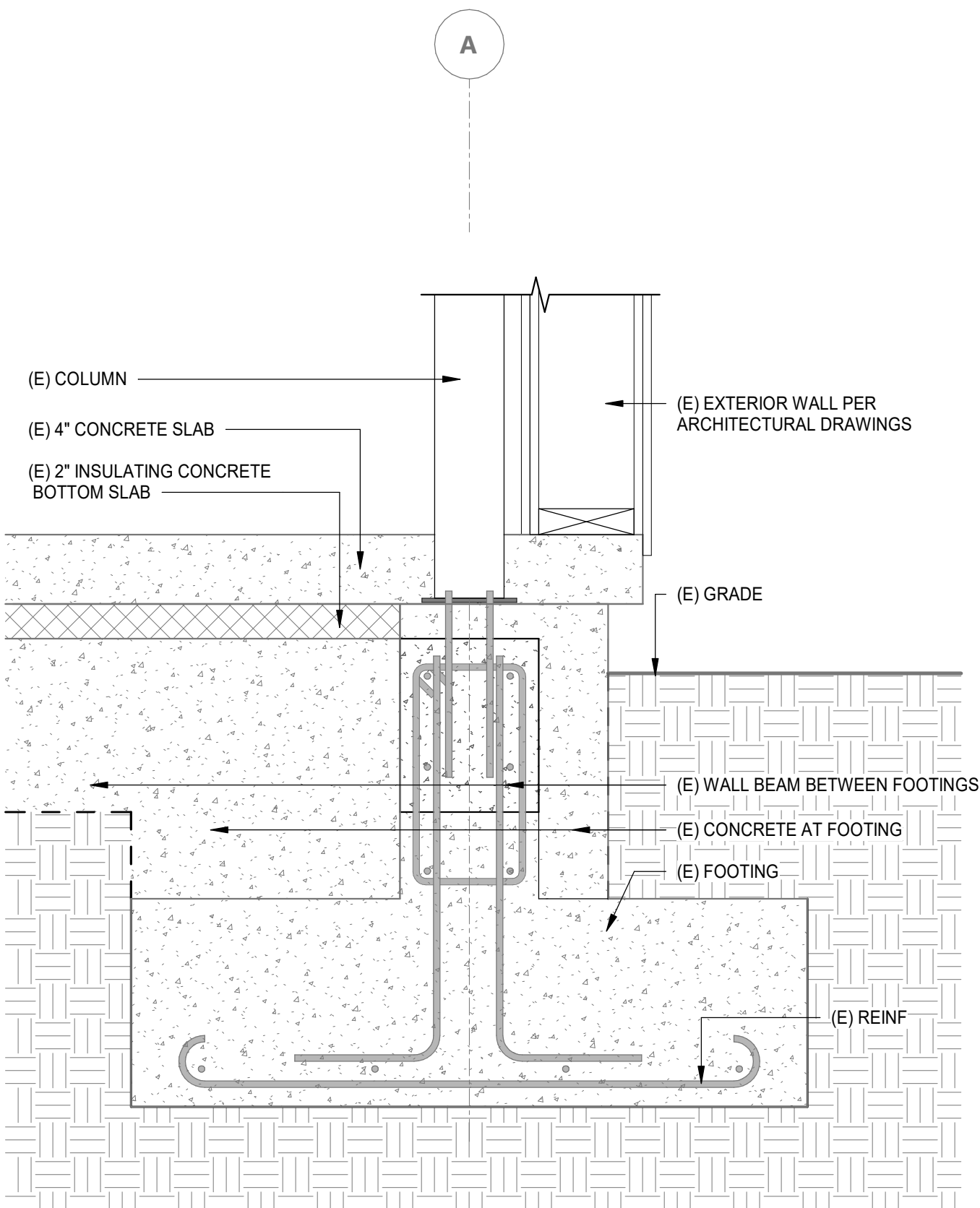
WASHER DRAIN PIPE

1" = 1'-0" 4



(N) DOOR OPENINGS IN EXT. WALL

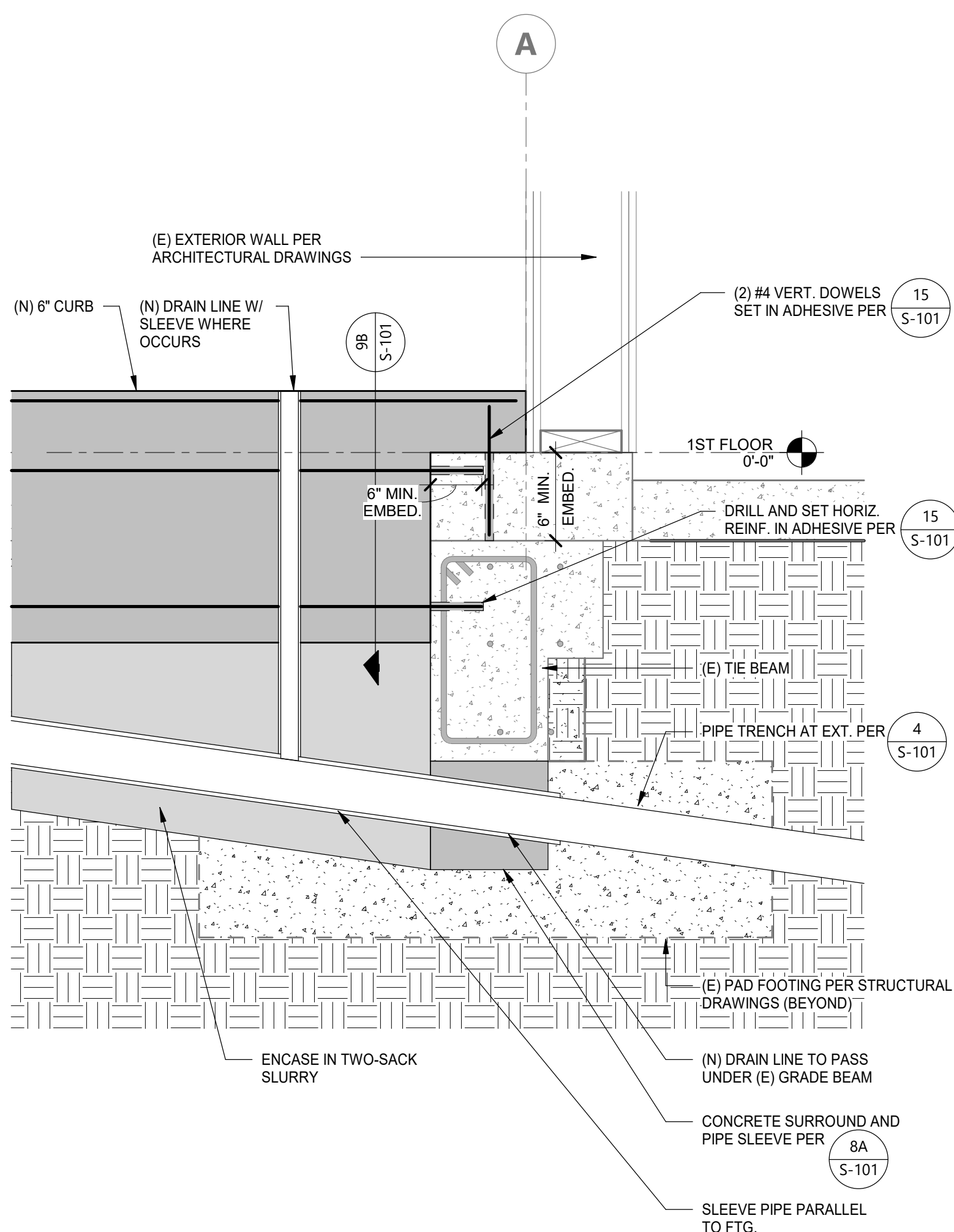
1 1/2" = 1'-0" 5



FOR REFERENCE ONLY
DSA A#8675

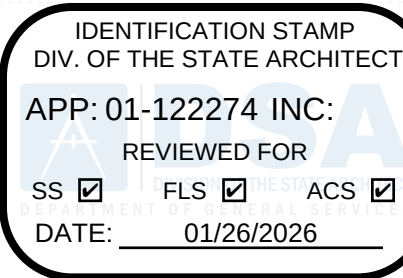
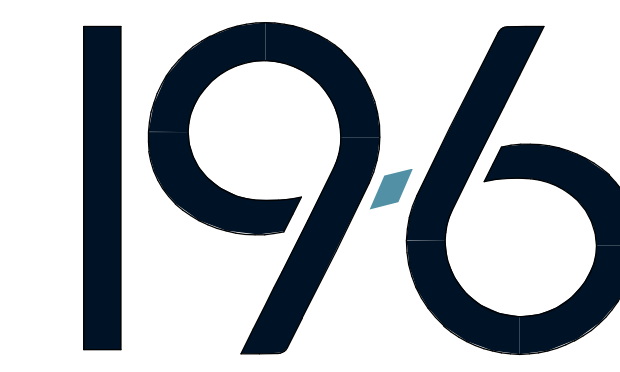
EXISTING EXTERIOR WALL AT COLUMN

1 1/2" = 1'-0" 3



EXISTING EXTERIOR WALL FOOTING

1 1/2" = 1'-0" 2



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PROFESSIONAL STAMP

DATE SIGNED: 12/03/2025



REVISIONS

ORIGINAL ISSUE DATE: 12/04/2025

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

**SOUTH SAN FRANCISCO UNIFIED
SCHOOL DISTRICT**
398 B ST
SOUTH SAN FRANCISCO, CA 94080

**SOUTH SAN FRANCISCO HS -
ALTERATIONS TO ROOMS B-12 &
B-13, AND C-3 & C-4**
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE

BLDG C FOUNDATION PLAN

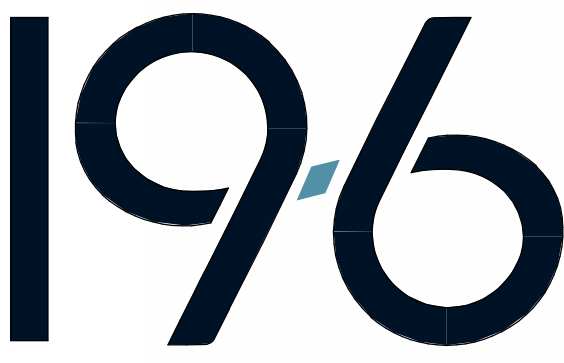
SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB

JOB NUMBER: 24411.01

SHEET NO.

S-201



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- 1 - (E) CONCRETE 3" THICK CONCRETE SLAB
- 2 - (E) 2x10 STUDS @ 16" O.C. NON-STRUCTURAL EXTERIOR WALL (BELOW WINDOWS)
- 3 - (E) METAL PANEL EXTERIOR WALL WITH CORRUGATED EXTERIOR TRANSITE FINISH & WINDOWS
- 4 - (E) CONCRETE WALL
- 5 - (E) STUD WALL (BELOW)

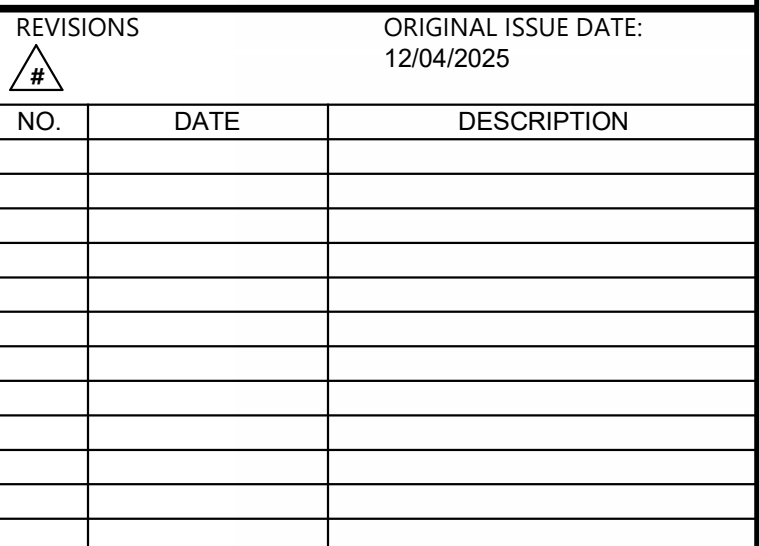
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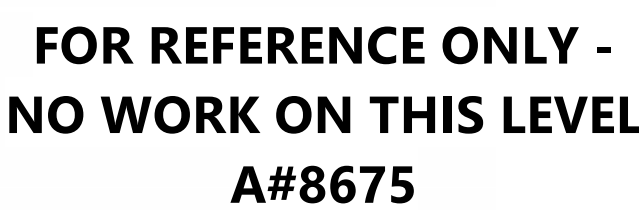
SHEET ISSUE DATE: 12/04/25

DRAWN BY: EW,HB

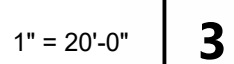
SHEET NC

S-202

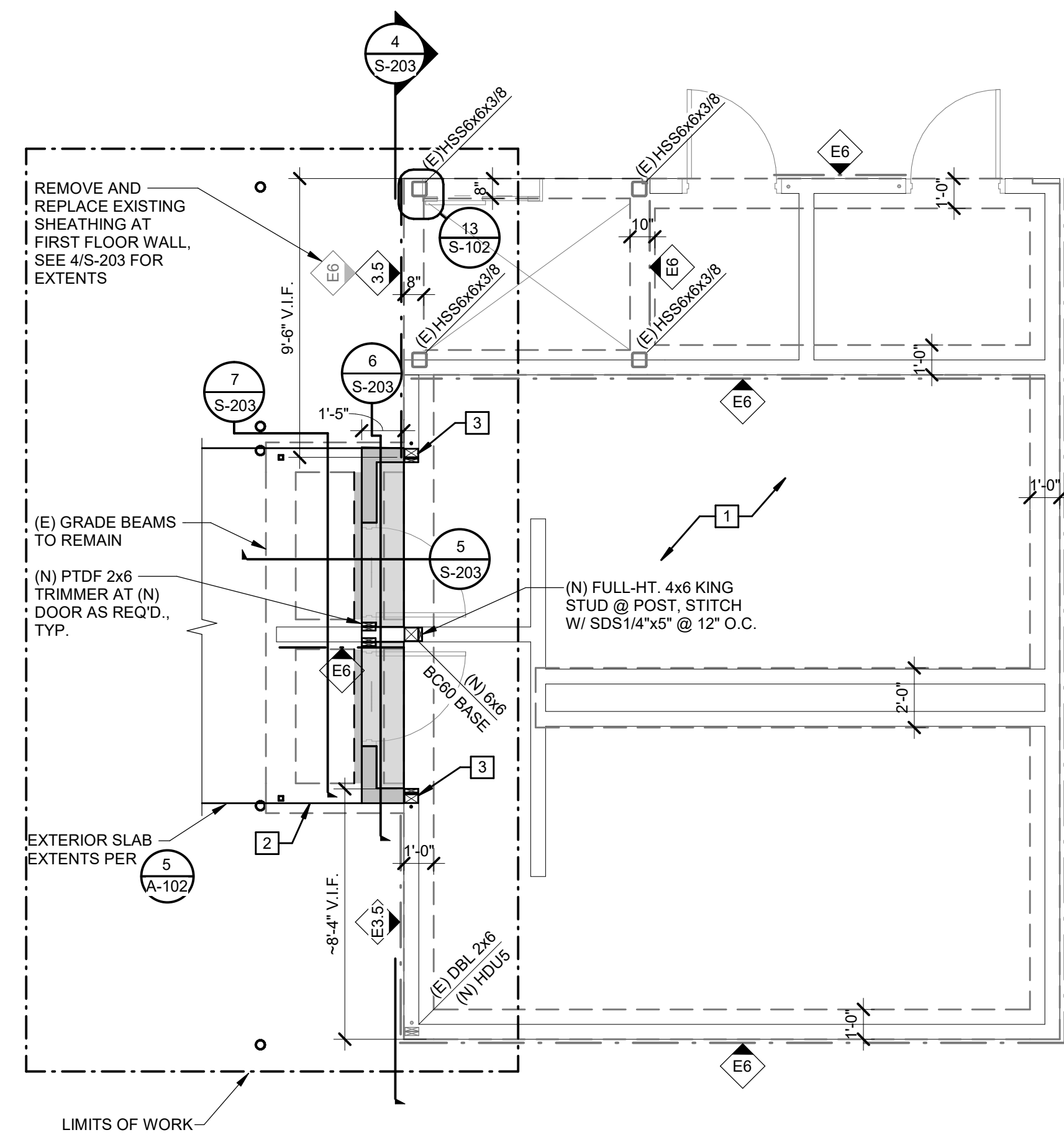
CONSTRUCTION DOCUMENTS



$1/4" = 1'-0"$	1
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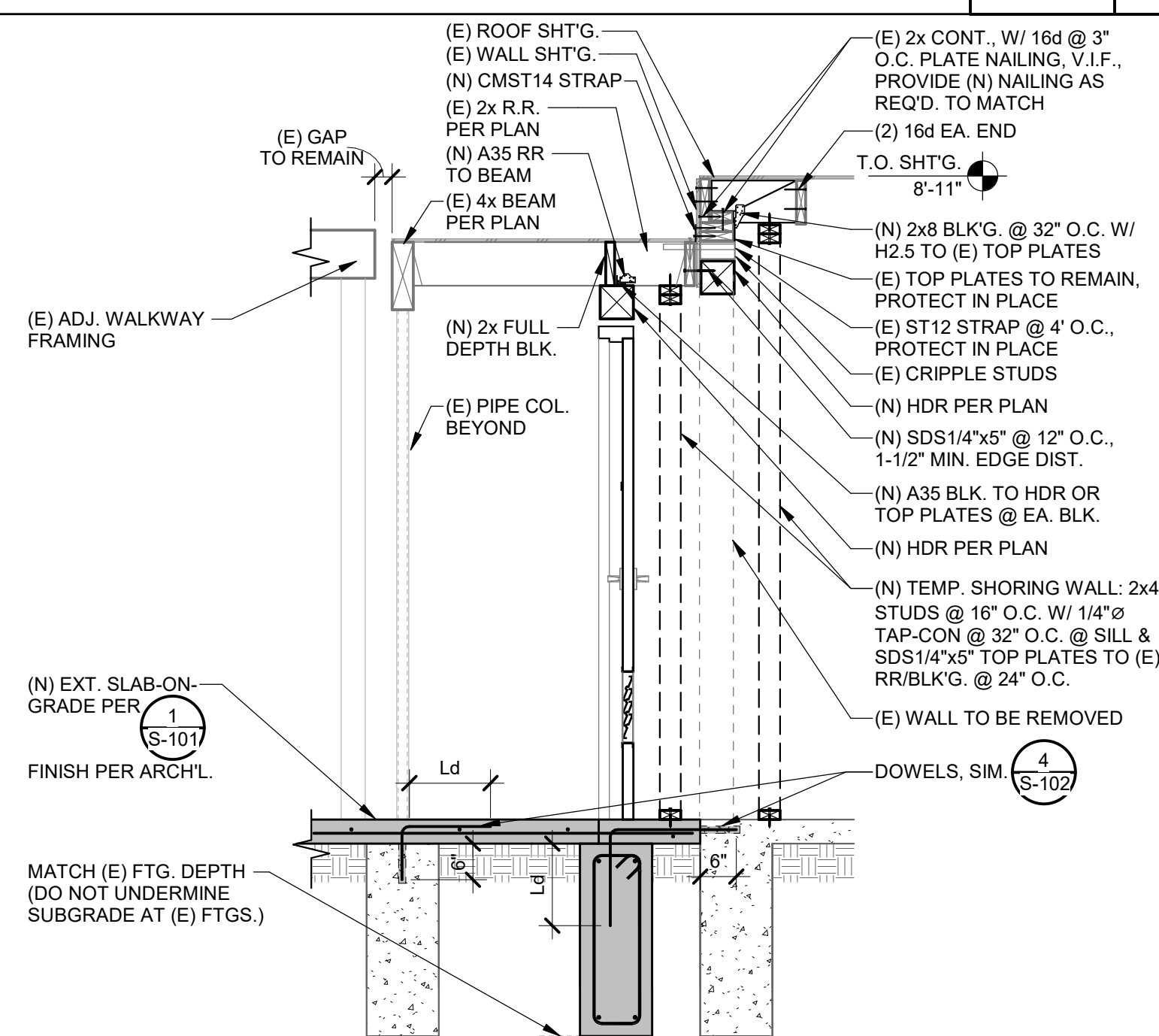
1/4" = 1'-0"	2
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- 1 (E) 4" CONCRETE SLAB-ON-GRADE TO REMAIN
- 2 (N) 4" CONCRETE SLAB-ON-GRADE PER (S-107)
- 3 (N) 4x6 POST WITH POST-INSTALLED HD08 PER (S-102)
- 4 (N) SIMPSON CMT14 CONT. STRAP, FILL ALL HOLES, NAIL TO (E) TOP PLATES & BLK/G. AS SHOWN
- 5 (N) 6x8 HEADER, SEE (S-203)
- 6 BETWEEN (E) 3/4" @ A.B. @ 48" O.C. (V.I.F.), PROVIDE (N) 5/8" Ø KB-TZ2 W/ (N) SIMPSON BPS®-3 WASHER & 7" MIN. EFF. EMBED @ 48" O.C. SEE (S-100)

□ ○ HSS COLUMN OR PIPE COLUMN
 ■ WOOD COLUMN
 == WOOD STUD WALL
 --- (N) OR (E) GRADE BEAM / FOOTING

1. PROVIDE 10d COMMON NAILS. (DIA = 0.148") 8d COMMON NAILS. (DIA = 0.131") W/ 1/8" MINIMUM NAIL PENETRATION INTO FRAMING. SUBMIT CURRENT ESR-CC REPORT STATING THAT THE GUN NAILS TO BE USED ARE RECOGNIZED FOR USE IN DIAPHRAGMS AND SHEAR WALLS.
2. PLYWOOD PANELS MAY BE INSTALLED HORIZONTALLY OR VERTICALLY.
3. SHEAR WALLS MORE THAN ONE PLYWOOD PANEL IN HEIGHT SHALL HAVE VERTICAL AND HORIZONTAL STAGGERED JOINTS. AT HORIZONTAL JOINTS THE BLOCKING SHALL HAVE 3" WIDE FLANGES
4. FASTENERS AT PLYWOOD JOINTS AND AT THE SILL PLATE SHALL BE STAGGERED.
5. (N) PLYWOOD, IF REQUIRED SHALL BE 1532" 4-PLY STRUCTURAL I GRADE. PLYWOOD SHALL BE MANUFACTURED USING EXTERIOR GLUE.
6. STUDS IN SHEAR WALLS SHALL BE SPACED @ 16" O. C. MAXIMUM.
7. PLYWOOD SHEAR PANELS SHALL NOT BE LESS THAN 4 FEET BY 8 FEET EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING WHERE MINIMUM SHEET DIMENSIONS SHALL BE 24" UNLESS ALL EDGES OF THE UNDERSIZED SHEETS ARE SUPPORTED BY FRAMING MEMBERS OR BLOCKING.
8. HOLES IN THE SILL PLATES FOR 5/8" SILL BOLTS OR THREADED RODS SHALL BE 1 1/8" O. MAXIMUM.
9. PROVIDE HEAVY PLATE WASHER SIMPSON BP5/8 HDG UNDER NUT OF ALL SILL BOLTS AND THREADED RODS.
10. INSTALL PLYWOOD SHEATHING OVER ENTIRE FACE OF WALL, INCLUDING AROUND DOORS AND WINDOW OPENINGS.
11. SHEAR WALLS SUPPORTED ON WOOD FRAMING SHALL HAVE THE SILL PLATE FASTENED WITH NAILS OR SCREWS PER THE SHEAR WALL SCHEDULE U.N.O. ON THE PLAN. SHEAR WALLS SUPPORTED ON CONCRETE SHALL HAVE THE SILL PLATE FASTENED WITH SILL BOLTS PER THE SHEAR WALL SCHEDULE U.N.O. ON THE PLAN.
12. WHERE NEW PLYWOOD IS INDICATED EXISTING STUD WALLS, REMOVE EXISTING (E) GYPSUM BOARD AND PLASTER AND INSTALL NEW PLYWOOD OVER STUDS.

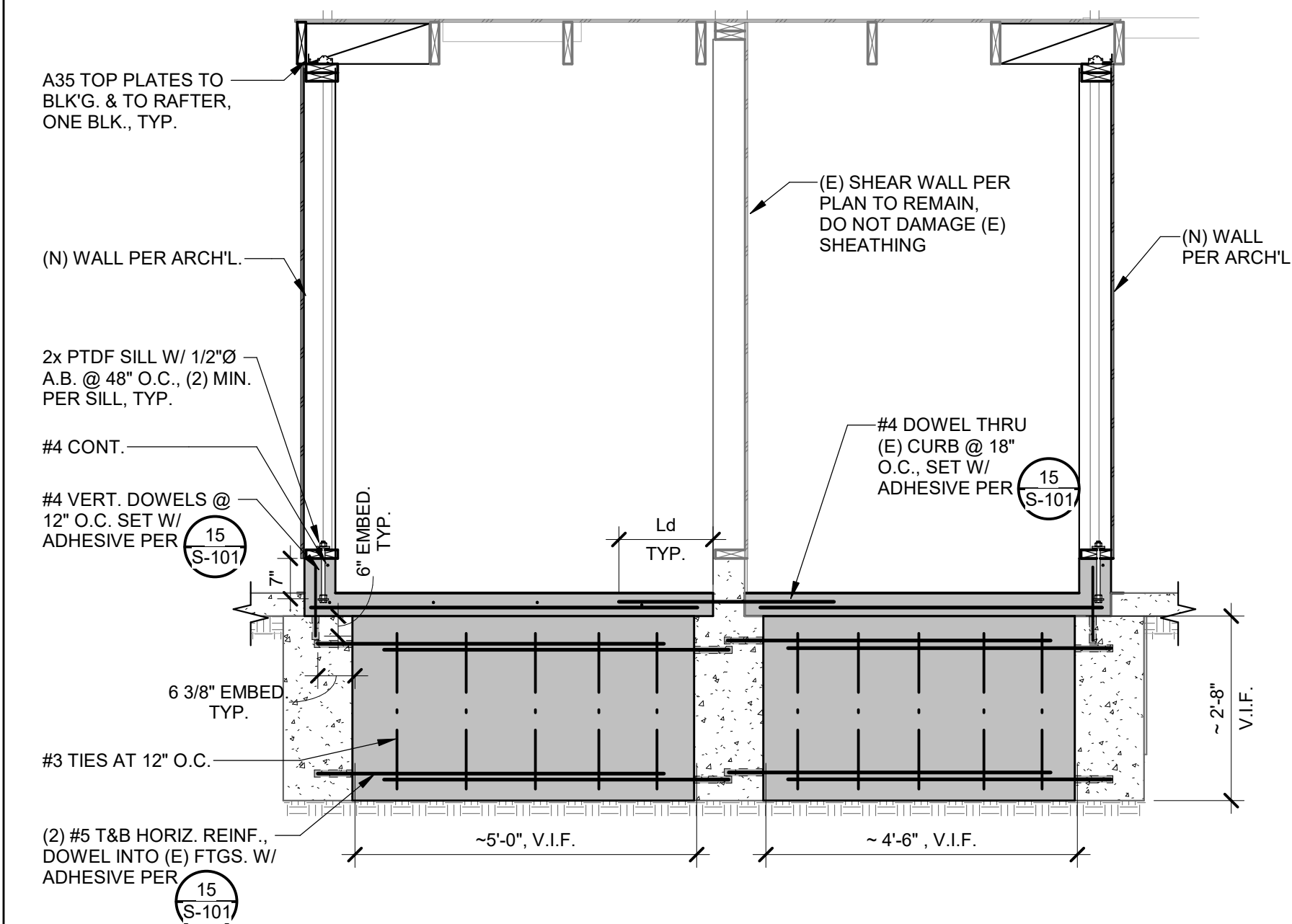
* FRAMING AT ABUTTING PANELS AND BLOCKING

1/2" = 1'-0"	
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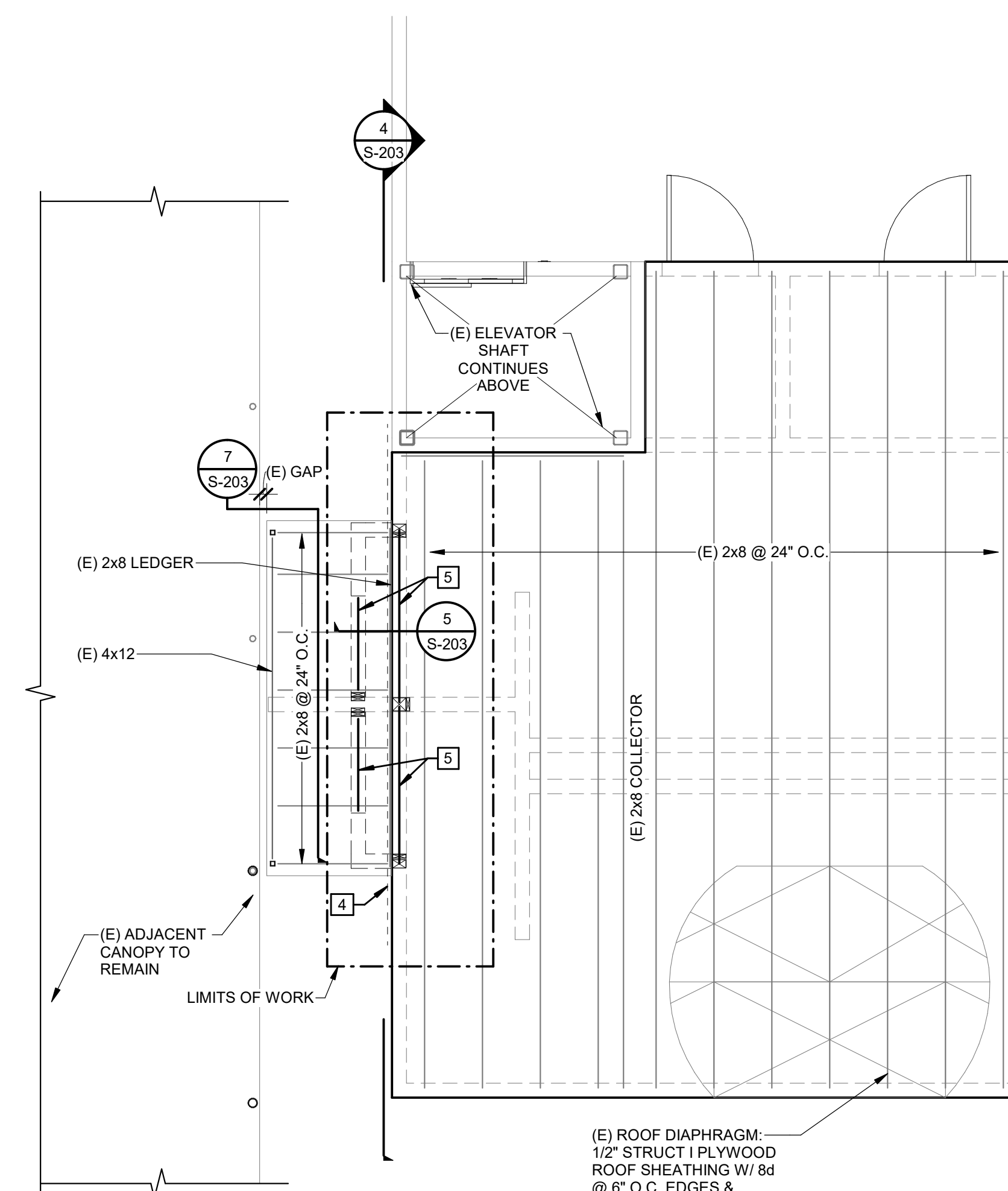
Diagram illustrating the components and dimensions of a window assembly:

- HEADER BEAM W/ 2x KING STUD, SAME WIDTH AS STUDS
- DEPTH
- A35 T&B
- A35, TYPICAL
- LTP4 EA. FACE
- JAMB STUD W/ 4x MIN. AT HDY (FULL HEIGHT)
- HOLDOWN WHERE OCCURS
- SILL PLATE
- TRIMMER STUD
- JAMB STUD
- (2) 164 FOR EA. 2" OF NOMINAL HEADER DEPTH
- (2) 2x SILL WHERE OCCURS

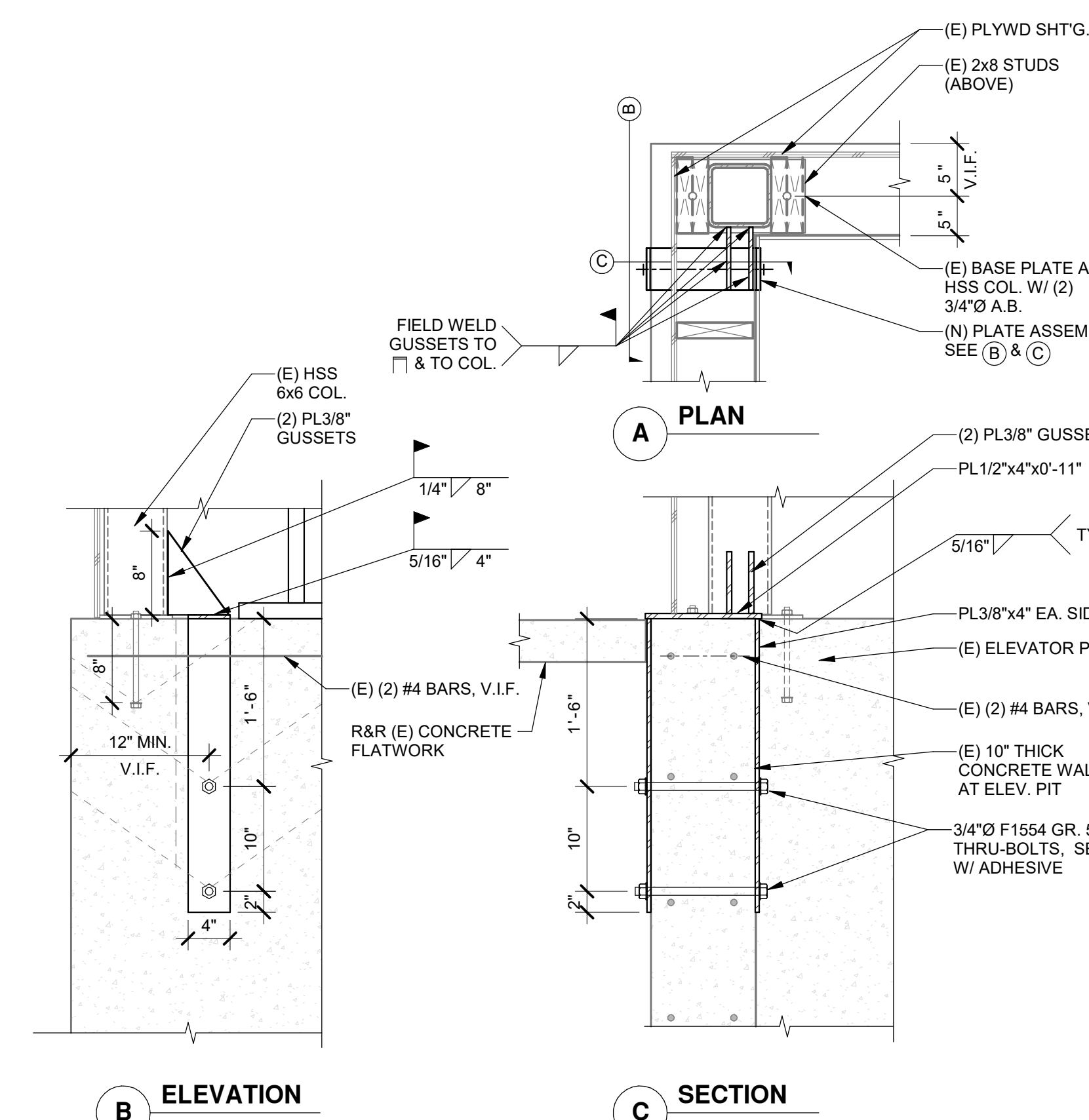
$1\frac{1}{2}'' = 1'-0''$	5
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1/4" = 1'-0"	
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1/4" = 1'-0"	
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1" = 1'-0"	
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SHEET TITLE
BLDG. B PLANS

SHEET ISSUE DATE: 03/14/25

DRAWN BY: Author JOB NUMBER: 24411.01

SHEET NO.

S-203

MECHANICAL GENERAL NOTES

- ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, AND INDUSTRY STANDARDS.
- VERIFY EXACT LOCATION OF ALL (E) EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS, AND GRILLES. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN (E) SYSTEMS AND DRAWINGS.
- COORDINATE EXACT LOCATION OF EQUIPMENT AND ALL PENETRATIONS THROUGH ROOF, FLOORS, AND WALLS WITH ARCHITECTURAL, STRUCTURAL SYSTEMS PRIOR TO COMMENCING WORK.
- COORDINATE EXACT SIZE AND ROUTING OF DUCTWORK WITH ARCHITECTURAL PLANS, STRUCTURE, AND EQUIPMENT PRIOR TO COMMENCING WORK.
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES.
- FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE DIFFUSER, GRILLE, OR REGISTER.
- FLEXIBLE DUCTWORK CONNECTIONS TO CEILING DIFFUSERS ARE LIMITED TO 5' MAXIMUM LENGTH.
- ALL DUCTWORK, CEILING DIFFUSERS/REGISTERS/GRILLES, EQUIPMENT, PIPING, ETC. ARE NEW U.O.N. (SHOWN HEAVY). (E) DUCTWORK, PIPING, ETC. IS SHOWN LIGHT. SEE LEGEND.
- (E) DUCTWORK AND ITEMS TO BE REMOVED ARE SHOWN CROSSED (X) OUT. SEE LEGEND. COORDINATE CLOSELY WITH (N) DUCTWORK AND P.O.C.'S SHOWN. ALL OTHER (E) DUCTWORK, ETC. TO REMAIN.
- WHERE INLET DUCT DIAMETER AND DIFFUSER NECK SIZE ARE THE SAME (I.E. 9"ø 9"ø AND 9"ø 9"ø) CONTRACTOR SHALL OVERSIZE THE SHEET METAL PLENUM TO ACCOMMODATE THE ROUND DUCT CONNECTION.
- THERMOSTATS AND ROOM TEMPERATURE SENSORS SHALL BE INSTALLED AT 4'-6" ABOVE FINISHED FLOOR (TO TOP OF DEVICE). DO NOT INSTALL THERMOSTATS AND ROOM TEMPERATURE SENSORS ABOVE CASEWORK, SHELVING OR OTHER OBSTRUCTIONS OVER 24" IN DEPTH AND 34" IN HEIGHT.

PIPING, DUCTWORK, & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA RS 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP □ MD X PP □ E □ OPTION 1: PROJECT-SPECIFIC DESIGN.

MP □ MD □ PP □ E □ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP □ MD □ PP □ E □ OPTION 2: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRE) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

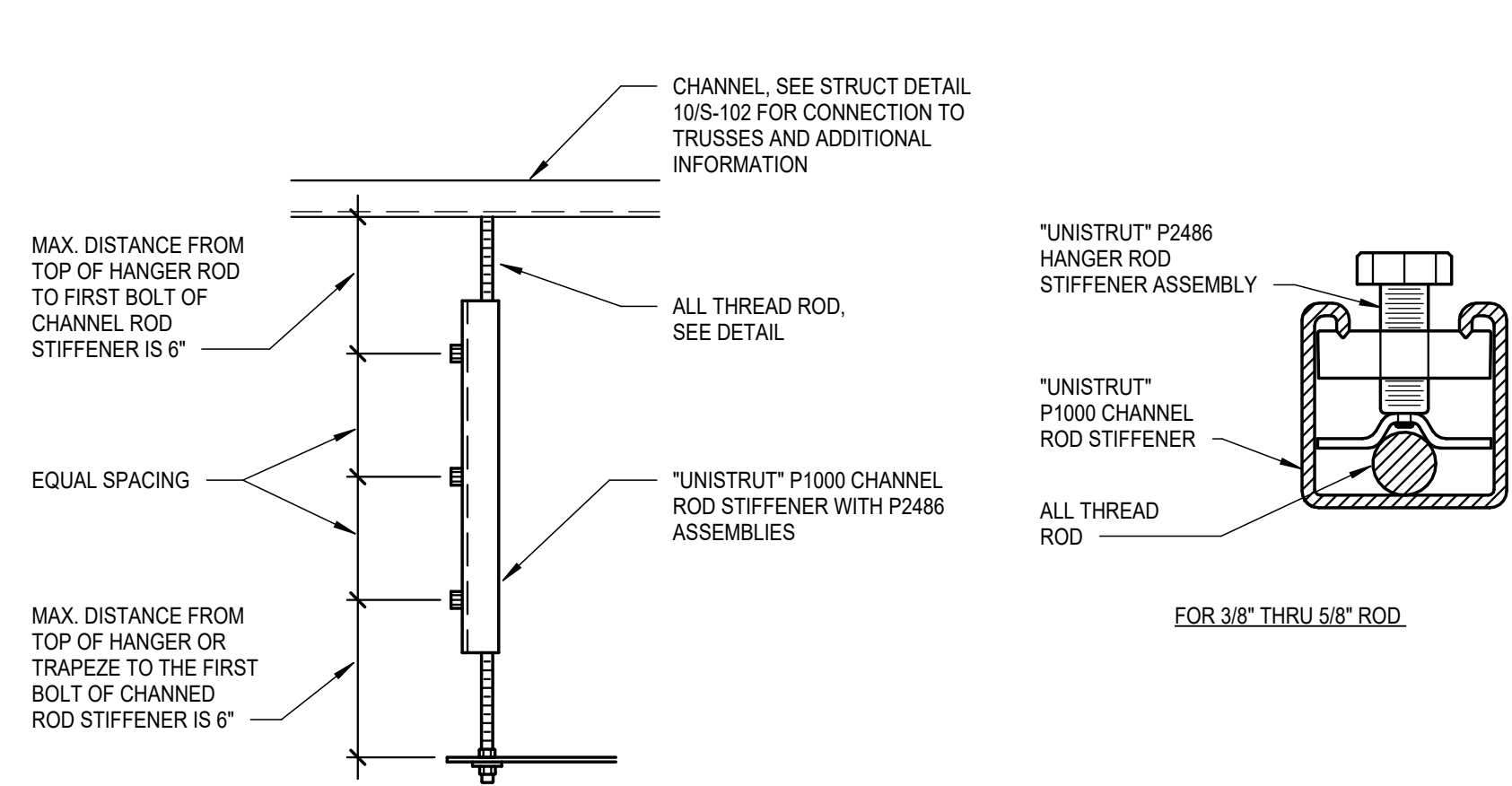
DUCT LEGEND

SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION
		RECTANGULAR DUCT: WIDTH x DEPTH (PLAN VIEW) DEPTH x WIDTH (SECTION VIEW)
		ACOUSTICALLY LINED RECTANGULAR DUCT - DIMENSIONS ARE OUTSIDE
		MANUAL AIR DAMPER
		RISE OR DROP DUCT IN DIRECTION OF AIR FLOW
		RECTANGULAR TO RECTANGULAR TRANSITION OR ROUND TO ROUND TRANSITION, MAX. SLOPE OF 1:3
		RECTANGULAR TO ROUND TRANSITION, MAX. SLOPE OF 1:3
		ELBOW, RECTANGULAR, SMOOTH RADIUS, WITHOUT TURNING VANES
		SQUARE/RECTANGULAR DUCT ELBOW WITH TURNING VANES
		CONVERGING OR DIVERGING TEE, 45° ENTRY, RECTANGULAR MAIN AND BRANCH, WHEN REDUCING MAIN, SIDE OF TAKE OFF OR ENTRY BRANCH TO BE FLAT, OTHER SIDES MAX. SLOPE OF 1:3
		ROUND DUCT TAKE OFF FROM RECTANGULAR VIA SMOOTH CONVERGING BELL MOUTH
		3-WAY RECTANGULAR SPLIT WITH TWO TRANSITIONAL ELBOWS AND TRANSITIONING MAIN, DOWNSTREAM MAIN'S OF THE THREE BRANCHES, THROATS SIZED FOR EQUAL PRESSURE DROP
		FOR CONCEALED DUCT: DROP TO DIFFUSER SHALL BE FULL SIZE OF DIFFUSER NECK, FOR EXPOSED DUCT: DROP SHALL BE FULL SIZE OF OD DIFFUSER FRAME, FLANGE FOR MOUNTING DIFFUSER TURNED IN, AIR EXTRACTOR AND EQUALIZER GRID AT CONNECTION TO MAIN
		SUPPLY AIR, SUPPLY DROP/PRISE
		RETURN AIR, RETURN AIR DROP/PRISE
		EXHAUST AIR, EXHAUST AIR DROP/PRISE
		NEW - FLEXIBLE DUCT (ROUND)
		EXISTING - FLEXIBLE DUCT (ROUND)
		45° REDUCING LATERAL FITTING
		90° REDUCING TEE FITTING

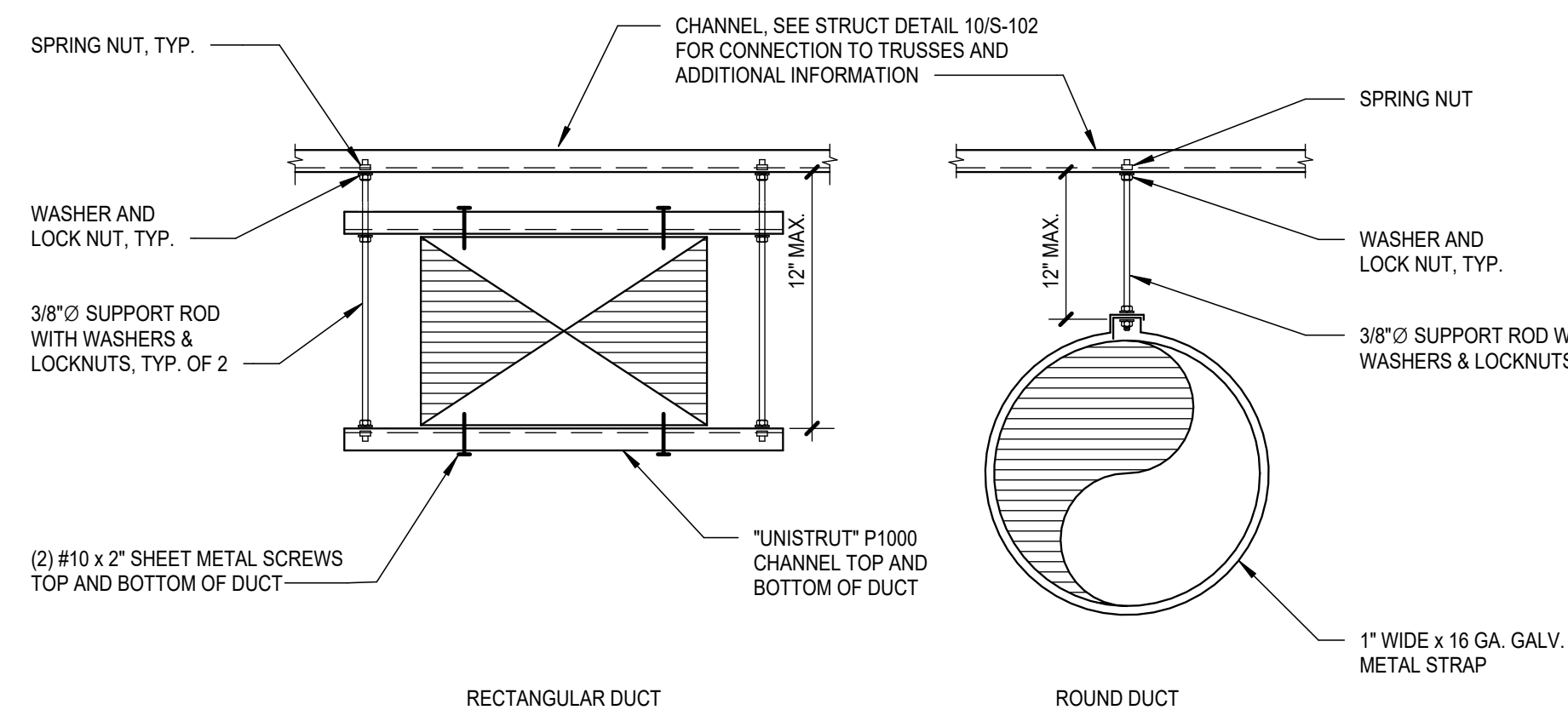
EXHAUST FAN SCHEDULE

EQUIPMENT TAG	MFR	MODEL NO	LOCATION	AIRFLOW (CFM)	TSP (IN)	MOTOR ELECTRICAL					MOUNTING DETAIL	OPER WT (LBS)	REMARKS
						AMPS	WATTS	VOLT	PHASE	RPM			
CEF-1	GREENHECK	SP-S200	RESTROOM C-4.1	160	0.125	0.56	67	115	1	1000	1/M-001	24	1, 2, 3, 4
CEF-2	GREENHECK	SP-S200	RESTROOM C-4.2	220	0.125	0.56	67	115	1	1000	1/M-001	24	1, 2, 3, 4

- PROVIDE WITH MANUFACTURER'S SOLID STATE SPEED CONTROL MOUNTED ON FAN HOUSING.
- PROVIDE WITH BACKDRAFT DAMPER AND OPTIONAL ALUMINUM GRILLE WITH WHITE ENAMEL FINISH.
- PROVIDE WITH "GREENHECK" MODEL WC-6x8 HOODED WALL CAP.
- INTERLOCK WITH LIGHTS.



3 ROD STIFFENER
M-001 SCALE: NONE



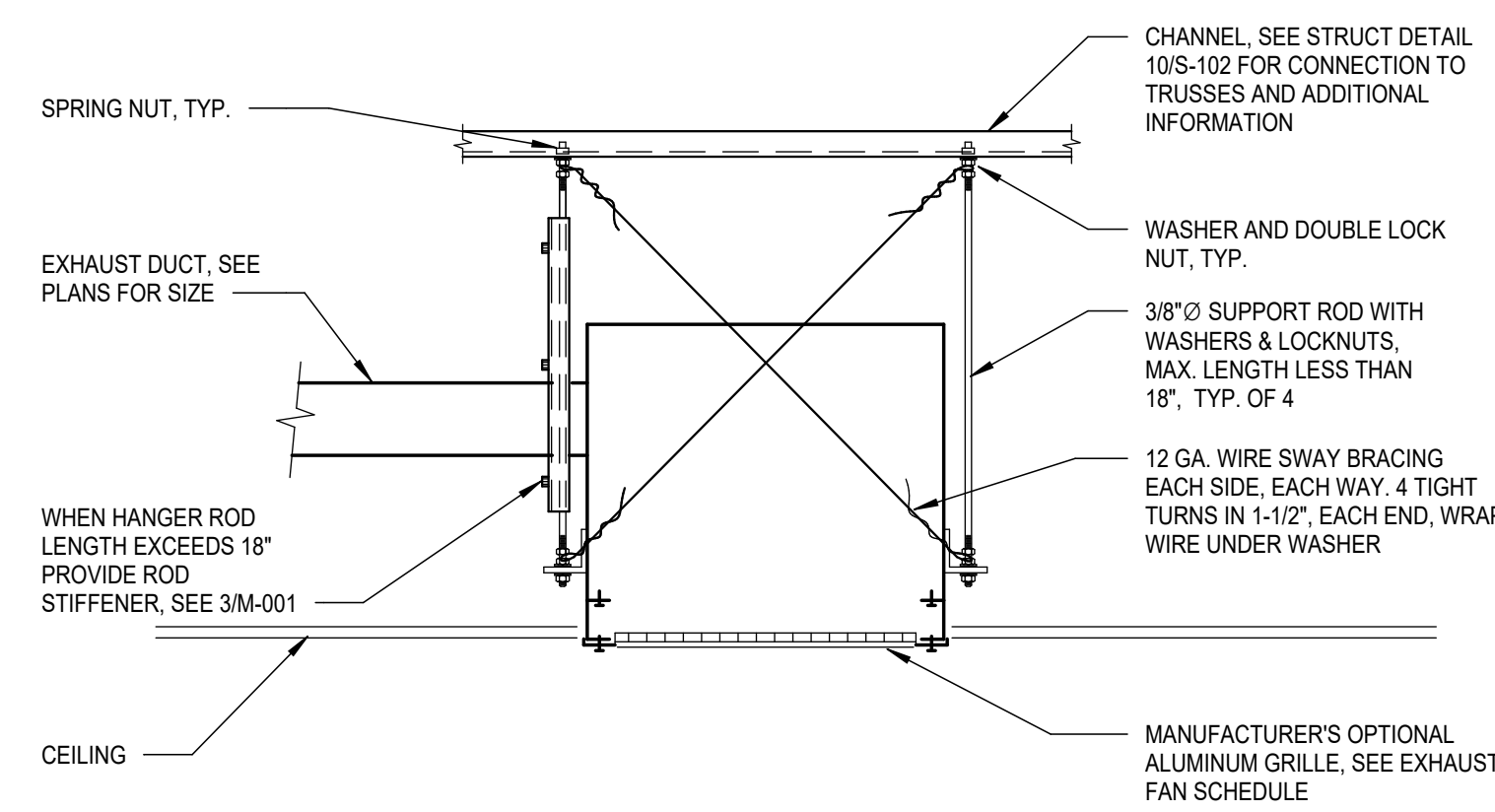
2 TYPICAL CONCEALED DUCT SUPPORT
M-001 SCALE: NONE

SYMBOLS LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	---	ANCHOR
	---	AUTOMATIC AIR VENT
	---	BALANCING VALVE
	---	BALL VALVE
	---	BOTTOM CONNECTION
	BPT	BYPASS TIMER
	CBV	CALIBRATED BALANCE VALVE
	---	CHECK VALVE
	DS	DYNAMIC SENSOR
	---	ECCENTRIC REDUCER
	EJ	EXPANSION JOINT
	FD	FIRE DAMPER
	FS	FIRE/SMOKE DAMPER
	---	FLEXIBLE CONNECTOR
	---	FLOW ARROW
	---	FLOW ELEMENT
	FLV	FLOW LIMITING VALVE
	FS	FLOW SWITCH
	GCK	GAGE COCK
	---	GATE VALVE
	---	GLOBE VALVE
	---	LIMIT OF DEMOLITION
	---	MANUAL AIR VENT
	---	PIPE BREAK
	---	PIPE CAP
	---	PIPE DOWN
	---	PIPE GUIDE
	---	PIPE UP
	---	POINT OF CONNECTION
	---	REDUCER
	SD	SMOKE DAMPER
	SKD	SMOKE DETECTOR
	---	TEST PLUG
	---	THERMOMETER
	T	THERMOSTAT
	---	UNION
	---	VALVE IN RISER/DROP

MECHANICAL SCOPE OF WORK DESCRIPTION
THE PROJECT CONSISTS OF ALTERATIONS TO ROOM C4 AS WELL AS MINOR ALTERATIONS TO CLASSROOM C3.

SCOPE OF WORK INCLUDES:
REMOVAL OF PORTIONS OF SUPPLY AND RETURN DUCTWORK IN C4
NEW SUPPLY AND RETURN DUCTWORK IN ROOMS C4.1, C4.2, C4.3, C4.4, AND C4.5
NEW EXHAUST DUCTWORK IN ROOMS C4.1 AND C4.2



1 CEILING EXHAUST FAN MOUNTING
M-001 SCALE: NONE

HVAC ABBREVIATIONS

SYMBOL	DESCRIPTION
ABC	ABOVE CEILING
ABV	ABOVE
ACC DR	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
APD	AIR PRESSURE DROP, INCHES WATER COLUMN
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ATTEN	ATTENUATORS
BD	BALANCE DAMPER
BDD	BACK DRAFT DAMPER
BHP	BRAKE HORSE POWER
BLDG	BUILDING
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CD	CONDENSATE DRAIN
CEF	CEILING EXHAUST FAN
CFM	CUBIC FEET OF AIR FLOW PER MINUTE
CLG	CEILING
CONC	CONCRETE
COND	CONDENSER
CONN	CONNECT/CONNECTION
CONT	CONTINUATION
CONTR	CONTRACTOR
D	DAMPER
DIA	DIAMETER
DL	DOOR LOUVER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EF	EXHAUST FAN
EL	ELEVATION
ELEC	ELECTRIC/ELECTRICAL
ENT	ENTERING
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
f	CUBIC FEET OF AIR FLOW PER MINUTE
F	DEGREES FAHRENHEIT
FA	FROM ABOVE
FB	FROM BELOW
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FLR	FLOOR
FFM	FEET PER MINUTE
FSD	FIRE AND SMOKE DAMPER
FT (')	FOOT OR FEET
FT ²	SQUARE FEET
FV	FACE VELOCITY
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
HP	HORSE POWER
HTG	HEATING
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IN, (")	INCH
IN ²	SQUARE INCHES
KW	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LOUVERED DOOR
LRA	LOCKED ROTOR AMPS
LVR	LOUVER
LWB	LEAVING WET BULB
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	THOUSAND BTUS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OV	OUTLET VELOCITY
PD	PRESSURE DROP
RA	RETURN AIR
RAD	RETURN AIR DAMPER
RPM	REVOLUTIONS PER MINUTE
RLA	RATED LOAD AMPS
SA	SUPPLY AIR
SF	SUPPLY FAN
SM	SHEET METAL
STAT	STATIC PRESSURE
SPD	STATIC PRESSURE DROP
SQ FT	SQUARE FEET
SQ IN	SQUARE INCHES
SS	STAINLESS STEEL
T	THERMOSTAT
TA	TO ABOVE
TB	TO BELOW
TP	TOTAL PRESSURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UCD	UNDERCUT DOOR
UTR	UP THROUGH ROOF
VD	VOLUME DAMPER
VSD	VARIABLE SPEED DRIVE
W	WATTS
WT	WEIGHT

IDENTIFICATION STAMP
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APP: 01-122274 INC:
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DATE: 01/26/2026

196

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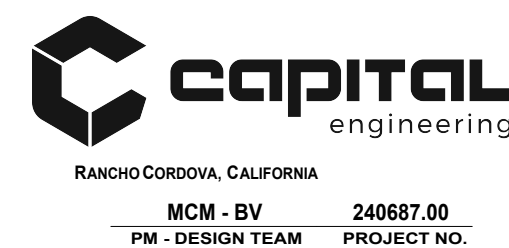
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PROJECT OWNER & TITLE

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4

400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE

MECHANICAL LEGENDS, NOTES, & SCHEDULES

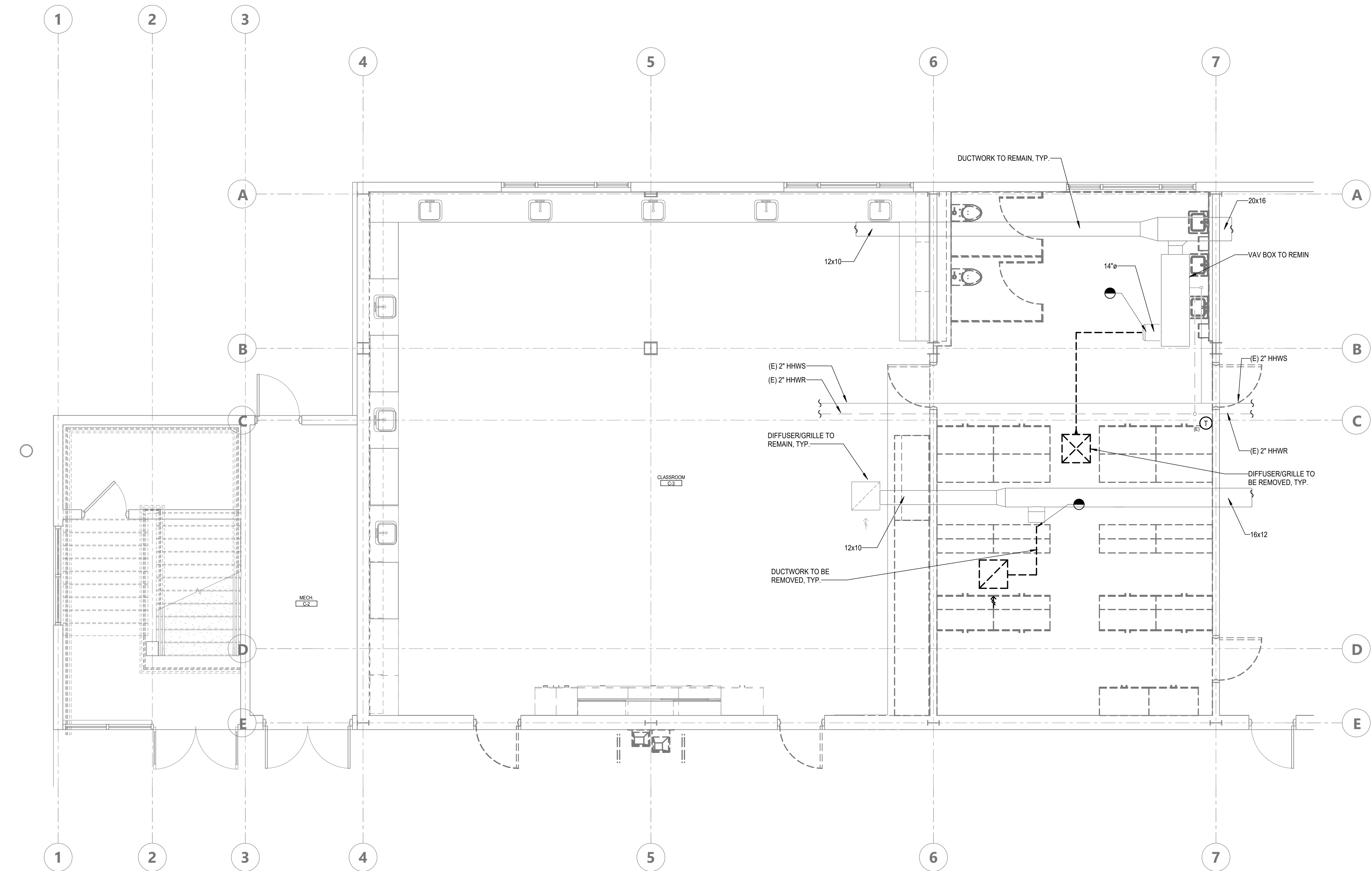
SHEET ISSUE DATE: 03/14/25

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SHEET NO.

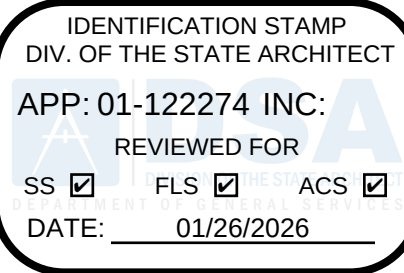
M-001

DATE PLOTTED: 12/4/2025 9:29:41 AM FILE LOCATION: C:\Users\lvugt\OneDrive - Capital\Documents\240687_SSF_HS Special Needs_MEP24_Central_lvugt@capital-engineering.com.rvt



1 MECHANICAL BUILDING C DEMOLITION PLAN
M-101 SCALE: 1/4" = 1'-0"

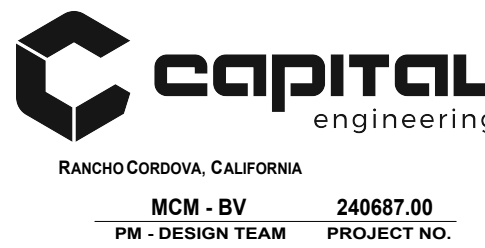
- DEMOLITION SHEET NOTES:
1. THE HVAC DESIGN HAS BEEN BASED ON RECORD DRAWINGS AND SITE OBSERVATIONS. CONTRACTOR SHALL PERFORM INVESTIGATION OF THE EXISTING CONDITIONS PRIOR TO INSTALLATION OF NEW WORK. CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF EXISTING CONDITIONS THAT MAY NOT ALLOW INSTALLATION OF NEW WORK AS SHOWN.
 2. EXISTING EQUIPMENT, DUCTWORK, PIPING, COMPONENTS, ETC. ARE SHOWN DIAGRAMMATICALLY AND ARE NOT EXACTLY AS SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS IN "COORDINATED LAYOUTS" REQUIRED BY SPECIFICATION SECTION 23 80 00, AND MAKE ANY ADJUSTMENTS NECESSARY TO COMPLETE THE DESCRIBED SCOPE OF WORK. CONTRACTOR SHALL MAKE ALLOWANCE IN BID FOR THIS REQUIREMENT.



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398 B ST
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SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
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SHEET TITLE
MECHANICAL BUILDING C DEMOLITION PLAN

SHEET ISSUE DATE: 03/14/25
DRAWN BY: BV JOB NUMBER: 24411.01

SHEET NO.
M-101

CONSTRUCTION DOCUMENTS

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING DIFFUSER, GRILLES, FANS, ACCESS PANELS, ETC.
2. FOR TYPICAL CONCEALED DUCT SUPPORT, REFER TO DETAIL 2/M-001.

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capital
engineering
RANCHO CERRITOS, CALIFORNIA

MCM - BV	240687.00
PM - DESIGN TEAM	PROJECT NO.

PROFESSIONAL STAMP



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3/14/2025[illegible]

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**SOUTH SAN FRANCISCO UNIFIED
SCHOOL DISTRICT**

398 B ST
SOUTH SAN FRANCISCO, CA 94080

**SOUTH SAN FRANCISCO HS -
ALTERATIONS TO ROOMS B-12 &
B-13, AND C-3 & C-4**

SHEET TITLE

MECHANICAL BUILDING C FLOOR PLAN

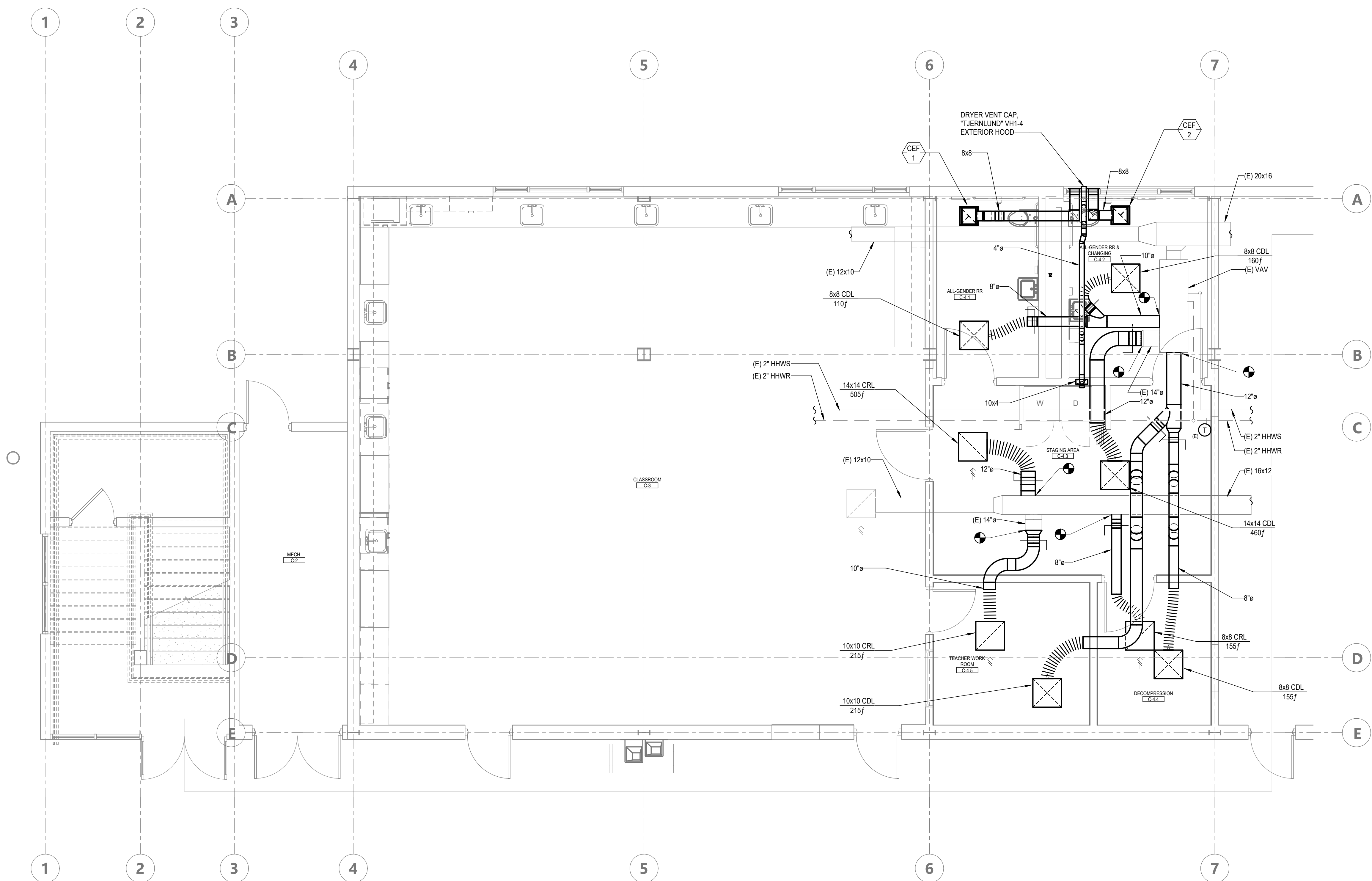
SHEET ISSUE DATE: 03/14/25

DRAWN BY: Author JOB NUMBER: 24411.0

SHEET NO.

M-201

CONSTRUCTION DOCUMENTS



MECHANICAL BUILDING C FLOOR PLAN

P-001

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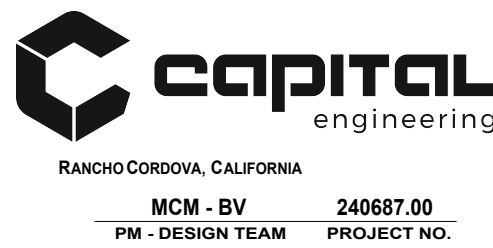
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SHEET ISSUE DATE: 03/14/25

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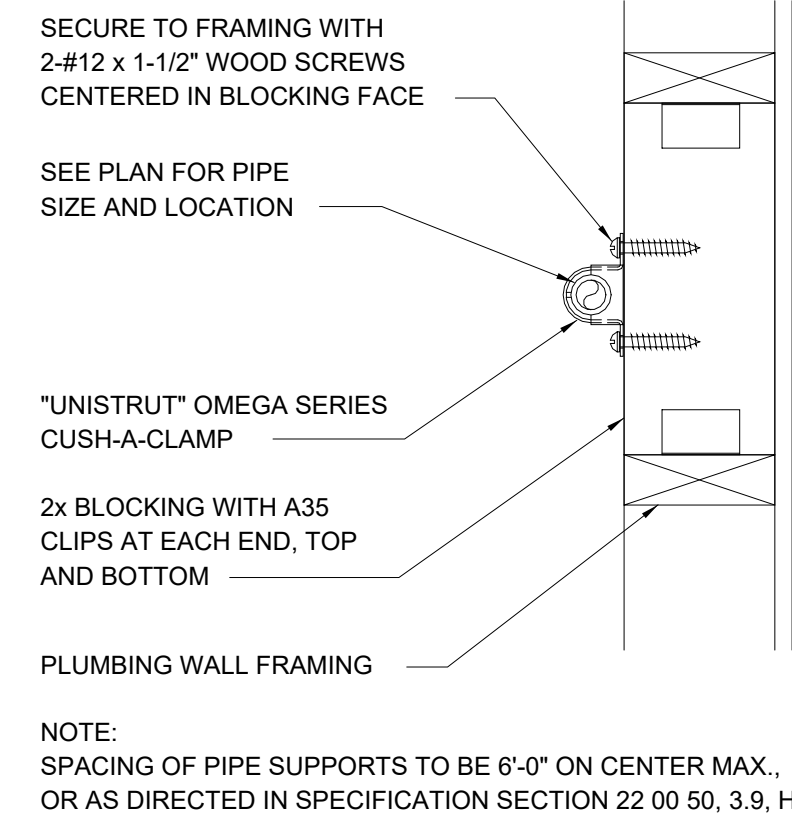
P-101

CONSTRUCTION DOCUMENTS



1 HORIZONTAL PIPING IN PLUMBING WALL. SEE 4/P-202 FOR SUPPORT DETAIL.

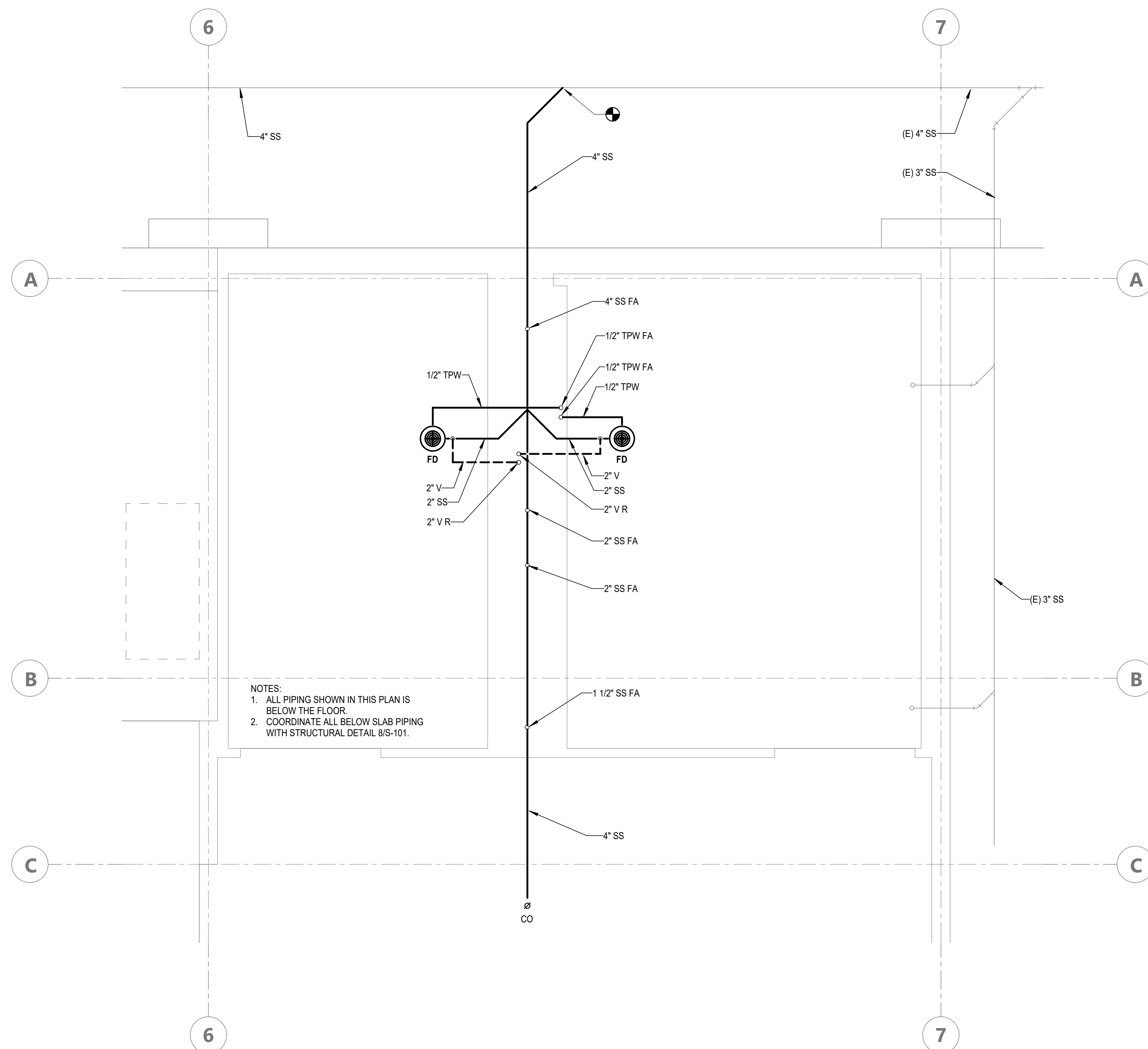
1. FOR SUPPORT OF HORIZONTAL PIPING WITHIN PLUMBING WALL SEE DETAIL 4P-202.
2. FOR SUPPORT OF VERTICAL PIPING WITHIN PLUMBING WALL SEE DETAIL 5P-202.
3. FOR TRENCHING AND BACKFILL OUTSIDE OF THE BUILDING REFER TO SPECIFICATION SECTION 22 00 50, 3.7 EXCAVATING AND 3.8 BACKFILLING.
4. FOR EXTENT OF SLAB CUTTING AND REMOVAL REFER TO ARCHITECTURAL SHEET A-201.
5. FOR PLUMBING WALL SLAB PIPING PENETRATION SEE 8/5-101. FOR TRENCH AND NEW SLAB AT PIPING BELOW SLAB SEE 4/5-101. FOR PIPE PENETRATION AT FOOTING SEE 8/5-101 AND 2/5-201.



5 VERTICAL PIPE SUPPORT AT WALL



3 PIPE SUPPORT AT TRUSS BOTTOM CHORD
P-202 SCALE: NONE



1 PLUMBING BUILDING C ENLARGE PLAN - BELOW SLAB
P-202 SCALE: 1/2" = 1'-0"

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PROJECT OWNER & TITLE
**SOUTH SAN FRANCISCO UNIFIED
SCHOOL DISTRICT**
398 B ST
SOUTH SAN FRANCISCO, CA 94080

**SOUTH SAN FRANCISCO HS -
ALTERATIONS TO ROOMS B-12 &
B-13, AND C-3 & C-4**
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SHEET TITLE
PLUMBING BUILDING C
ENLARGED PLANS

SHEET ISSUE DATE: 05/16/25

DRAWN BY: Author JOB NUMBER: 24411.01

SHEET NO.

P-202

TECHNOLOGY CABLING NOTES

1. THE USE OF LUBRICANTS SUCH AS CLEAR GLIDE, TO FACILITATE THE INSTALLATION OF CABLES IN CONDUITS IS ENCOURAGED FOR FRICTION REDUCTION AND TO MAINTAIN THE REQUIRED PULL TENSION. YELLOW 77 AND POLYWATER™ IS PERMISSIBLE FOR USE AS A LUBRICANT FOR ISP TECHNOLOGY CABLING. THE USE OF GSP LOW TEMPERATURE CABLE LUBRICANTS SHALL NOT BE ACCEPTABLE IN AN INDOOR PLENUM ENVIRONMENT. UNDER NO CIRCUMSTANCES SHALL CABLE PULLING LUBRICANT BE ALLOWED TO ACCUMULATE ON WALLS, FLOORS, BACKBOARDS, OR OTHER SURFACES OUTSIDE THE CONDUIT.
2. ANY CABLE DAMAGED OR EXCEEDING RECOMMENDED INSTALLATION PARAMETERS DURING INSTALLATION SHALL BE REPLACED BY THE CONTRACTOR BEFORE FINAL ACCEPTANCE AT NO COST TO THE OWNER.
3. EACH RUN OF CABLE SHALL BE CONTINUOUS WITHOUT ANY JOINTS OR SPLICES.
4. ALL STATION CABLE SHALL BE PLACED IN THE INTERIOR OF WALLS UNLESS NOTED OTHERWISE OR OBSTRUCTED.
5. PROVIDE BUSHINGS, GROMMETS AND STRAIN-RELIEF FOR CABLES TERMINATING AT WALL-MOUNTED DEVICES TO ENSURE DURABLE AND ROBUST CONNECTIONS. THE BUSHINGS AND GROMMETS ARE INTENDED TO PROTECT THE CABLES FROM ANY SHARP EDGES THAT PRESENT A RISK TO THE CABLES. ENSURE THAT ALL SHARP EDGES ARE COVERED TO PROTECT THE CABLES FROM DAMAGE.
6. IN SUSPENDED CEILING AND RAISED FLOOR AREAS WHERE DUCT, CABLE BUNDLES SHALL BE SUPPORTED VIA "J" HOOKS ATTACHED TO THE BUILDING STRUCTURE AND FRAMEWORK AT A MAXIMUM OF FIVE (5) FOOT INTERVALS. MINIMUM 1" WIDE J-HOOKS SHALL BE APPROPRIATELY SIZED TO ALLOW A MINIMUM OF 60% SPARE CAPACITY FOR FUTURE CABLE INSTALLATION. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN BASE BID FOR ANY ADDITIONAL SUPPORT/SEISMIC BRACING REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
7. CABLES OR J-HOOKS SHALL NOT BE ATTACHED TO LIFT OUT CEILING GRID SUPPORTS OR LAID DIRECTLY ON THE CEILING GRID.
8. CABLES OR J-HOOKS SHALL NOT BE ATTACHED TO OR SUPPORTED BY FIRE SPRINKLER HEADS OR DELIVERY SYSTEMS OR ANY ENVIRONMENTAL SENSOR LOCATED IN THE CEILING AIR SPACE.
9. WHERE ADDITIONAL CONDUIT(S)/SLEEVE(S) ARE REQUIRED, BUT NOT PROVIDED BY THE CONTRACTOR, THE SCS AND/OR LV CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SUCH CONDUIT(S)/SLEEVE(S). CONDUIT(S) AND SLEEVE(S) SHALL BE OF SUITABLE MATERIAL, SIZED, INSTALLED, FIRE-STOPPED, AND GROUND/AS REQUIRED BY THE CEC, ANS/ITIA-569-D STANDARD AND ALL OTHER APPLICABLE CODES AND STANDARDS. SLEEVES SHALL CONSIST OF METALLIC CONDUIT DE-BURRED AND GROMMETTED ON BOTH ENDS WITH FLANGES OR OTHER MEANS TO PREVENT THE SLEEVE FROM SLIPPING OR FALLING OUT OF THE PARTITION. SLEEVES SHALL EXTEND A MINIMUM OF 6" ON BOTH SIDES OF THE PARTITION. OUTSIDE PERIMETER OF SLEEVES SHALL BE SEALED AGAINST SOUND, AIR, WATER, HEAT, OR AS REQUIRED BY PARTITION DESIGN. INSIDE OF SLEEVE SHALL BE SEALED SIMILARLY AFTER INSTALLATION OF ALL CABLING. CABLES SHALL BE INDEPENDENTLY SUPPORTED ON EITHER SIDE OF THE SLEEVE. SLEEVES SHALL NOT BE USED AS CABLE SUPPORTS. ANY CONDUIT(S) AND SLEEVE(S) ADDED BY THE SCS CONTRACTOR SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO ROUGH-IN.
10. IN THE EVENT CONTRACTOR IS REQUIRED TO REMOVE CEILING TILES, SUCH WORK SHALL NOT BREAK OR DISTURB GRID. REMOVAL OF THE CEILING GRID MUST BE COORDINATED WITH THE OWNERS REPRESENTATIVE. ALL INSULATION SHALL BE REPLACED IN ITS ORIGINAL LOCATION.
11. THE NUMBER OF CABLES IN EACH CONDUIT SHALL BE CONTROLLED TO ALLOW FOR FUTURE CABLE INSTALLATION AND TO STAY WITHIN THE MANUFACTURERS MAXIMUM ALLOWABLE CABLE PULLING TENSION. CONDUIT FILL RATIOS SHALL NOT EXCEED THE CURRENT REQUIREMENTS OF THE CEC. ANS/ITIA-569-D REFERENCE SECTION B.2, TABLE 1 AND 2 OF THIS DOCUMENT FOR ADDITIONAL REQUIREMENTS.
12. ALL BACKBONE CABLING WILL RUN THROUGH DEDICATED CONDUITS. ALL NEW CONDUITS WILL BE SUPPLIED WITH A PULL STRING BY THE CONTRACTOR. EXISTING CONDUITS SHALL BE PROVEN TO BE CLEAR BY THE SCS AND/OR LV CONTRACTOR PRIOR TO PULLING OF CABLES. SCS AND/OR LV CONTRACTOR SHALL SUPPLY PULL STRINGS AND PULL ROPE FOR THE INSTALLATION OF ALL CABLES IN EXISTING CONDUITS. FOR ALL CONDUITS LEFT WITH AVAILABLE CAPACITY, SCS AND/OR LV CONTRACTOR SHALL REPLACE PULL STRINGS DURING THE COURSE OF HIS WORK. SCS AND/OR LV CONTRACTOR MUST SEAL ALL CONDUITS WITH AN APPROVED SEALING COMPOUND.

ELECTRICAL ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)	MIC	MOMENTARY CONTACT
AC	AMPERE	MCB	MECHANICAL CONTRACTOR
ACLG	ABOVE COUNTER	MCC	MOTOR CONTROL CENTER
ARR	ARRANGE	MDC	MOTOR DISTRIBUTION CENTER
AFB	ABOVE FINISHED FLOOR	MDP	MAN DISTRIBUTION FRAME
AFG	ABOVE FINISHED GRADE	MDF	MAN DISTRIBUTION FRAME
AFI	ARC FAULT CIRCUIT INTERRUPTER	MFR	MANUFACTURER
AHU	AIR HANDLING UNIT	MFS	MAIN FUSED DISCONNECT SW
AL	ALUMINUM	MANH	MANHOLE
ALT	ALTERNATE	MIC	MICROPHONE
AMP	AMPERE	MIN	MINIMUM
AMP	AMPERE	MISC	MISCELLANEOUS
AN	ANNUNCIATOR	MLO	MAIN LUGS ONLY
APPROX	APPROXIMATELY	MMS	MANUAL MOTOR STARTER
AQ	AQUASTAT	MOA	MOTOR STARTER ASSEMBLY
ARCH	ARCHITECT, ARCHITECTURAL	MSP	MOTOR STARTER PANELBOARD
AS	AUTOMATIC	MSB	MAIN SWITCHBOARD
AT	AMP TRIP	MT	MOUNT
ATS	AUTOMATIC TRANSFER SWITCH	MT-C	EMPTY CONDUIT
AUX	AUXILIARY	MTS	MANUAL TRANSFER SWITCH
AUTO	AUTOMATIC	MTR	MOTOR, MOTORIZED
AUX	AUXILIARY	N	NEW
AV	AUDIO VISUAL	NCL	NORMALLY CLOSED
AWG	AMERICAN WIRE GAUGE	NEO	NATIONAL ELECTRICAL CODE
BATT	BATTERY	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BAR	BAR	NF	NOT IN CONTRACT
BO	BOARD	NF	NOT IN CONTRACT
BMS	BUILDING MANAGEMENT SYSTEM	NFS	NON-FUSED SAFETY
C	CONDUIT	NOT	NOT IN CONTRACT
CAB	CABINET	NL	NIGHT LIGHT
CAT	CATALOG	NO	NORMALLY OPEN
CATV	CABLE TELEVISION	NPF	NORMAL POWER FACTOR
CB	CIRCUIT BREAKER	NTS	NOT TO SCALE
CC	CLOSED CIRCUIT TELEVISION	OH	OVERHEAD
CKT	CIRCUIT	OLA	OVERLOADS
CL	CELLULAR	PA	PUBLIC ADDRESS
COMB	COMBINATION	PE	PULL BOX OR PUSHBUTTON
COMP	COMPRESSOR	PE	PNEUMATIC ELECTRIC
CON	CONNECTION	PF	PEDESTAL
CONSTR	CONSTRUCTION	PH	POWER FACTOR
CONT	CONTINUATION OR CONTINUOUS	PID	POST INDICATING VALVE
CONTR	CONTRACTOR	PIN	POWER POLE
CONV	CONVERTOR	PP	PAIR
CP	CIRCULATING PUMP	PROJ	PROJECTION
CR	CATHODE-RAY TUBE	PVC	POTENTIAL TRANSFORMER
CTR	CURRENT TRANSFORMER	PT	POLYVINYL CHLORIDE (CONDUIT)
CU	COPPER	QTY	QUANTITY
DEPT	DEPARTMENT	RCP	RECEPTACLE
DET	DETAIL	REQD	REQUIRED
DIS	DIAMETER	RM	ROOM
DISC	DISCONNECT	RSC	RIGID STEEL CONDUIT
DIST	DISTRIBUTION	SEC	SECONDARY
DOWN	DOWN	SEC	SECONDARY CONDUIT
DPR	DAMPER	SEF	SAFETY DISC. SW. (FUSED)
DSC	DOUBLE THROW	SH	SHUNT
DWG	DRAWING	SM	SIMILAR
DW	DOUBLE THROW	SN	SOLID NEUTRAL
E	ELECTRIC	SP	SPARE
ELEC	ELECTRIC	SPR	SPRINKLER
ELC	ELECTRIC	SS	STAINLESS STEEL
EM	EMERGENCY	SSW	SELECTOR SWITCH
EMS	ENERGY MANAGEMENT SYSTEM	STA	STATION
EN	ELECTRICAL METALLIC TUBING	STD	STANDARD
EP	ELECTRIC PNEUMATIC EQUIPMENT	SW	SWITCH
EQP	EQUIPMENT	SWB	SWITCHBOARD
EW	ELECTRIC WATER COOLER	SYN	SYMMETRICAL
EXIST	EXISTING	SYST	SYSTEM
EXH	EXHAUST	TEL	TELEPHONE
EXP	EXPLOSION PROOF	TEL DATA	TELEPHONE/DATA
F	FUTURE	TERM	TERMINAL
FA	FIRE ALARM	TL	TWIST LOCK
FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL	TR	TAMPER RESISTANT
FACP	FIRE ALARM CONTROL PANEL	TSTAT	THERMOSTAT
FCU	FAN COIL UNIT	TTC	TELEPHONE TERMINAL CABINET
FXT	FIXTURE	TV	TELEVISION
FLR	FLOOR	TYTC	TELEVISION TERMINAL CABINET
FLUOR	FLUORESCENT	UC	UNDER COUNTER
FV	FUSE	UE	UNDERGROUND ELECTRICAL
FUDS	FUSED SAFETY DISCONNECT SWITCH	UG	UNDERGROUND
GA	GAUGE	UH	UNIT HEATER
GAL	GALLON	UL	UNDERWRITER LAB
GALV	GALVANIZED	UT	UNDERGROUND TELEPHONE
GC	GENERAL CONTRACTOR	UTL	UTILITY
GEN	GENERATOR	UV	ULTRAVIOLET
GFI	GROUND FAULT CIRCUIT INTERRUPTER	V	VOLT
GFP	GROUND FAULT PROTECTOR	VA	VOLT-AMPERES
G	GROUND	VDT	VIDEO DISPLAY TERMINAL
GRS	GALVANIZED RIGID STEEL (CONDUIT)	VERT	VERTICAL
GYP BD	GYP-SUM BOARD	VFD	VARIABLE FREQUENCY DRIVE
H	HANDS-OFF-AUTOMATIC SWITCH	VFI	VERIFY IN FIELD
HORIZ	HORIZONTAL	VOL	VOLUME
HP	HORSEPOWER	W	WIRE
HFP	HIGH POWER FACTOR	WI	WITH
HT	HEIGHT	WG	WIRE GUARD
HTG	HEATING	WH	WATER HEATER
HTR	HEATER	WO	WITHOUT
HV	HIGH VOLTAGE	WP	WEATHERPROOF
IC	HEATING, VENTILATING AND AIR CONDITIONING	XFR	TRANSFER
INT	INTER interrupting CAPACITY		
IDF	INTERMEDIATE DISTRIBUTION FRAME		
IG	ISOLATED GROUND		
IMC	INTERMEDIATE METAL CONDUIT		
IR	INFRARED		
IRL	INTERLOCK WITH		
J-B	JUNCTION BOX		
KV	KILOVOLT		
KVA	KILOVOLT-AMPERE		
KVAR	KILOVOLT-AMPERE REACTIVE		
KW	KILOWATT		
KWH	KILOWATT HOUR		
LOC	LOCATE OR LOCATION		
LT	LIGHT		
LTNG	LIGHTNING		
LV	LOW VOLTAGE		
MAX	MAXIMUM		
MCS	MAGNETIC STARTER		

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHTING FIXTURES, TYPICAL		SINGLE RECEPT.
	RECTANGULAR LIGHTING FIXTURES, TYPICAL		DUPLEX RECEPT.
	OPEN CIRCLES INDICATE RECESSED, OPEN CIRCLES INDICATE SURFACE		DUPLEX RECEPT 6" ABOVE FINISHED COUNTER UNLESS NOTED OTHERWISE.
	DIAGONAL LINE INDICATES LENSED		(DESIGNATES MOUNTING HEIGHT) DUPLEX RECEPT.
	OUTER DOTS INDICATE SUSPENDED		GFI DUPLEX RECEPT.
	WALL-MOUNTED FIXTURES, TYPICAL		GFI WEATHERPROOF RECEPT.
	STRIP FIXTURE		DUPLEX RECEPT FOR ELECTRIC WATER COOLER.
	DIRECTIONAL LIGHT, TRACK, FLOOD		SPLIT DUPLEX RECEPT.
	LINEAR LIGHT, TAPE LIGHT		DUPLEX ISOLATED GROUND RECEPT.
	EMERGENCY LIGHTING UNIT, CEILING-MOUNTED, INTEGRAL BATTERY		FLOOR DUPLEX RECEPT.
	EMERGENCY LIGHTING UNIT, CEILING-MOUNTED, REMOTE BATTERY		FLOOR FOURPLEX RECEPT.
	EMERGENCY LIGHTING UNIT, WALL-MOUNTED, INTEGRAL BATTERY		CEILING DUPLEX RECEPT.
	EMERGENCY LIGHTING UNIT, WALL-MOUNTED, REMOTE BATTERY		FOURPLEX RECEPT.
	EXIT LIGHT, CEILING-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION		FOURPLEX GFI RECEPT.
	EXIT LIGHT, WALL-MOUNTED, SHADING AND ARROWS INDICATE FACES AND DIRECTION		240V RECEPTACLE.
	EXIT LIGHT COMBO		RECEPT. ON CORD REEL.
	POLE/AREA LIGHTS		SPECIAL RECEPT.
	POST-TOP AREA LIGHT		JUNCTION BOX.
	BOLLARD LIGHT		FLOOR JUNCTION BOX.
	DIAGONAL HATCH INDICATES LIGHT ON A CRITICAL CIRCUIT		CEILING JUNCTION BOX.
	SOLID HALF HATCH INDICATES LIGHT ON AN EMERGENCY OR LIFE SAFETY CIRCUIT		MULTIOUTLET ASSEMBLY.
	SINGLE POLE SWITCH		COMB. MOTOR STARTER (FUSED).
	3-WAY SWITCH		SAFETY DISC. SW. (NON-FUSED).
	4-WAY SWITCH		RELAY.
	KEYED SWITCH		PUSH BUTTON.
	SWITCH W/PILOT		ELECTRIC VEHICLE SUPPLY EQUIPMENT.
	DIMMER SWITCH		POWER POLE (OPEN OFF STYLE).
	OCCUPANCY SENSOR W/ MANUAL SWITCH		SURGERY SERVICE COLUMN.
	TIMER SWITCH		STATIC GROUND RECEPTACLE.
	TIME DELAY SWITCH		UTILITY SERVICE POWER POLE.
	TIME CONTROL SWITCH		MOTOR.
			MOTOR (SEE SCHEDULE).
			RELOCATED NEW.
			DEMOLISHED.
			TRANSFORMER.
			BUS DUCT W/ PLUG IN DISCONNECT.
			CABLE TAP BOX.

ELECTRICAL SYMBOL NOTES

	LIGHTING FIXTURE TAG DESCRIPTORS: TOP VALUE: FIXTURE TYPE ID. BOTTOM VALUE: NUMBER. CIRCUIT NUMBER. REFER TO DRAWINGS FOR PANEL.
	BOTTOM VALUE, LOWERCASE LETTER: SWITCH DESIGNATION. ABSENCE OF A SWITCH ID INDICATES FIXTURE IS CONTROLLED BY THE ONLY SWITCH IN THE SPACE.
	*X PLACE OF THE SWITCH ID INDICATES NIGHT LIGHT, UNSWITCHED.
	EXT LIGHTS. STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: THE WALL MOUNTED EXT LIGHT TYPE "X1" WITH SINGLE FACE AND DIRECTIONAL ARROW IS CONNECTED TO CIRCUIT 1.
	DEVICES. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SPLIT DUPLEX RECEPTACLE IS CONNECTED TO CIRCUIT 1 AND ONE RECEPTACLE OUTLET IS CONTROLLED BY SWITCH "C".
	THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "S" TO CONTROL LIGHTING FIXTURES INDICATED BY "S".
	WALL BOX DIMMER WITH SIZE AS INDICATED AT DEVICE. EXAMPLE: 600 WATT WALL BOX DIMMER TO CONTROL LIGHTING FIXTURES INDICATED BY "6". SEE SPECIFICATIONS FOR WATTAGE IF NOT INDICATED.
	SPECIAL RECEPTACLE. PROVIDE NEMA RATED DEVICE AS INDICATED. THE CIRCUIT DESIGNATION IS INDICATED BY NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: NEMA 14-50R RECEPTACLE, 1 PHASE CONNECTION TO CIRCUITS 2, 4 ON PANELBOARD "PAN".
	PANELBOARDS. PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIZE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.
	FLOOR CLEARANCE AREA.
	DISC. FRAME SIZE/USE RATING/NUMBER OF POLES/NEMA RATING. EXAMPLE: SINGLE POLE SWITCH "S", 3-POLE, NEMA 3R RATED DISC. SWITCH. EXAMPLE INDICATES 60A, 50A FUSED, 3-POLE, NEMA 1 RATED DISC. SWITCH.
	MOTOR CONNECTIONS. THE MOTOR IS INDICATED BY A NUMBER WITHIN OR CHARACTERS ADJACENT TO THE MOTOR SYMBOL. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE MOTOR DESCRIPTION AND ELECTRICAL REQUIREMENTS.
	TRANSFORMERS. THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "T". SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS. EXAMPLE: TRANSFORMER TYPE "T1".
	CONDUIT IN CEILING, FLOOR OR WALL AS REQUIRED BY FIELD CONDITIONS.
	CONDUIT IN FLOOR OR GROUND.
	CONDUIT SHOWN SHALL CONTAIN 1 # 12 CONDUCTOR PER PHASE, NEUTRAL, AND GROUND IN 3/4" CONDUIT UNLESS SPECIFIC EQUIPMENT REQUIRES A DIFFERENT SIZE OR NOTED OTHERWISE.
	HOME RUN TO BRANCH CIRCUIT PANELBOARD. THE PANELBOARD DESIGNATION IS SHOWN ADJACENT TO THE HOME RUN ARROW AS A CALIFORNIA ENERGY CODE. ALL LIGHT SWITCHES SHALL OPERATE AS BOTH MANUAL AND AUTOMATIC LINE VOLTAGE SWITCHES OR AS MOMENTARY DIGITAL SWITCHES IN CONJUNCTION WITH RELAY CONTROL PANELS, UNLESS OTHERWISE NOTED.
	PANELBOARD PAN, CIRCUITS 1, 3, 5.
	EXISTING TO REMAIN.
	EXISTING TO BE REMOVED.
	NEW.
	REVISION NUMBER - SHOWN ON PLANS.
	NUMBER OF DETAIL ON SHEET.
	NUMBER OF SHEET WHERE DETAIL APPEARS.
	KEYED NOTE (SEE SCHEDULE).
	ROOM NAME AND NUMBER.
	FEEDER TAG. REFER TO FEEDER SCHEDULE FOR ADDITIONAL INFORMATION. X: NUMBER OF CURRENT CARRYING CONDUCTORS. Y: AMPACITY OF FEEDER.
	DRY TYPE TRANSFORMER. TLA: NAME. 480Y/277: PRIMARY VOLTAGE. 208Y/120: SECONDARY VOLTAGE.
	ELECTRICAL PANELBOARD. NAME. MAINS RATING. MAIN CIRCUIT BREAKER OR MAIN LUGS ONLY.
	CIRCUIT BREAKER. TRIP RATING. NUMBER OF POLES.

GENERAL ELECTRICAL NOTES

- A. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.
- B. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS.
- C. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS AND TRADES.
- D. THESE DRAWINGS, AS PREPARED, ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. EQUIPMENT LOCATIONS INDICATED ARE APPROXIMATE. COORDINATE EXACT LOCATIONS AND REQUIRED CLEARANCES WITH EQUIPMENT SUPPLIER AND ALL TRADES PRIOR TO INSTALLATION.
- E. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE EQUIPMENT INDICATED WITHIN THESE DRAWINGS UNLESS OTHERWISE NOTED. VERIFY LOCATION AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND / OR INSTALLATION.
- F. ALL ROOF PENETRATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE. COORDINATE WITH OWNERS ROOFING CONTRACTOR SO AS NOT TO VOID ANY EXISTING ROOF WARRANTIES.
- G. THE ENTIRE INSTALLATION SHALL BE GUARANTEED FREE OF DEFECTS AND CONTRACTOR SHALL REPAIR AND / OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO COST TO THE OWNER FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY ARCHITECT OR ENGINEER.
- H. ALL WORK SHALL BE SUBJECT TO THE ACCEPTANCE AND APPROVAL OF THE ARCHITECT AND OWNER. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE OF PROPER NOTIFICATION DOES NOT RELIEVE THE CONTRACTOR. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.
- I. ALL JUNCTION BOXES SHOWN IN THESE DOCUMENTS ARE TO BE INSTALLED ABOVE THE FINISHED CEILING UNLESS NOTED OTHERWISE.

ELECTRICAL DEMOLITION NOTES

- A. THE ELECTRICAL DRAWING SET IS PREPARED BASE OF LIMITED FIELD OBSERVATION ONLY. ACTUAL CONDITIONS MAY VARY IN FIELD. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ELECTRICAL ENGINEER OF RECORD PRIOR TO BID.
- B. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.
- C. DISCONNECT AND MOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.
- D. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY TO CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.
- E. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUIT ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- F. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.
- G. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.
- H. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).
- I. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

ELECTRICAL LIGHTING NOTES

- A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN (RCP) FOR EXACT LOCATION OF LIGHT FIXTURES. FURNISH FIXTURES WITH TRIM COMPATIBLE WITH THE TYPE OF CEILING AS INDICATED ON THE RCP.
- B. COORDINATE WITH EMERGENCY LIGHTS AND EMERGENCY BALLASTS IN EMERGENCY LIGHTS IN EACH SPACE TO UNSWITCHED HOT LEG OF LOCAL LIGHTING CIRCUIT.
- C. COORDINATE PLACEMENT OF FIXTURES WITH ACTUAL INSTALLATION OF MECHANICAL EQUIPMENT AND DUCTWORK.
- D. CONTRACTOR SHALL INCLUDE IN BID TO OWN THE COST OF ALL CONTROL PANELS, DEVICES, NETWORK CABLING AND LOW OR LINE VOLTAGE WIRING FOR A COMPLETE LIGHTING CONTROL SYSTEM AS SPECIFIED. REFER TO MANUFACTURERS WIRING DIAGRAMS AND INSTALLATION MANUALS PRIOR TO BID.
- E. CONTROL SYSTEM FOR LIGHTING IS DESIGNED TO MEET CURRENT TITLE 24 CALIFORNIA ENERGY CODE. ALL LIGHT SWITCHES SHALL OPERATE AS BOTH MANUAL AND AUTOMATIC LINE VOLTAGE SWITCHES OR AS MOMENTARY DIGITAL SWITCHES IN CONJUNCTION WITH RELAY CONTROL PANELS, UNLESS OTHERWISE NOTED.
- F. ALL CONTROL AND POWER WIRING FOR LIGHTING CONTROL SYSTEM SHALL BE IN CONDUIT.
- G. COORDINATE LOCATION OF LIGHTS WITH DIFFUSERS AND GRILLS.
- H. ALL CABLES ABOVE CEILING SHALL BE PLENUM RATED. PROVIDE CONDUIT AS SPECIFIED.

ELECTRICAL POWER NOTES

- A. INSTALL AND MAKE FINAL CONNECTIONS OF ELECTRICAL FIXTURES TO BE INSTALLED IN CASEWORK.
- B. MOUNTING HEIGHT OF ALL DEVICES SHALL BE INSTALLED PER SPECIFICATIONS UNLESS NOTED OTHERWISE OR INDICATED ON ARCHITECTURAL PLANS.
- C. COORDINATE ROUGH-IN LOCATION OF ALL DEVICES WITH ARCHITECTURAL ELEVATIONS, DETAILS, AND PLANS.
- D. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL HAVE SOUND RETARDING/ABSORBING FIRE STOP MATERIAL.
- E. PROVIDE CONDUCTORS FOR BRANCH CIRCUITS SIZED TO MEET THE VOLTAGE DROP REQUIREMENTS OF CEC 210.19 AND 250.122.
- F. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE(S) FOR DISCONNECTING MEANS, CONDUIT, WIRING AND ADDITIONAL CONNECTION INFORMATION TO MECHANICAL EQUIPMENT.
- G. FURNISH AND INSTALL BRANCH CIRCUIT AND DISCONNECTING MEANS PER MECHANICAL EQUIPMENT CONNECTION SCHEDULE(S).
- H. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL PLANS AND DETAILS.
- I. CONTRACTOR SHALL VERIFY ALL EQUIPMENT AND CONNECTION REQUIREMENTS BEFORE ROUGH-IN TO COORDINATE INSTALLATION EQUIPMENT AND ACCESSORIES.
- J. COORDINATE WITH STRUCTURAL PLANS FOR SUPPORTING EQUIPMENT COMPONENTS.
- K. REFER TO DIVISION 23 FOR ALL MECHANICAL EQUIPMENT LOCATION(S). COORDINATE EXACT LOCATION(S) OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DRAWINGS TO MEET ELECTRICAL AND MECHANICAL REQUIRED CLEARANCE BY THE LATEST CODE. SOME EQUIPMENT MAYBE LOCATED ON ROOF.

MEP COMPONENT ANCHORAGE NOTES

- ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRAGED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.16 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:
1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. PERMANENTLY ATTACHED SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL. THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.
- THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENTS AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.
- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL. RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT

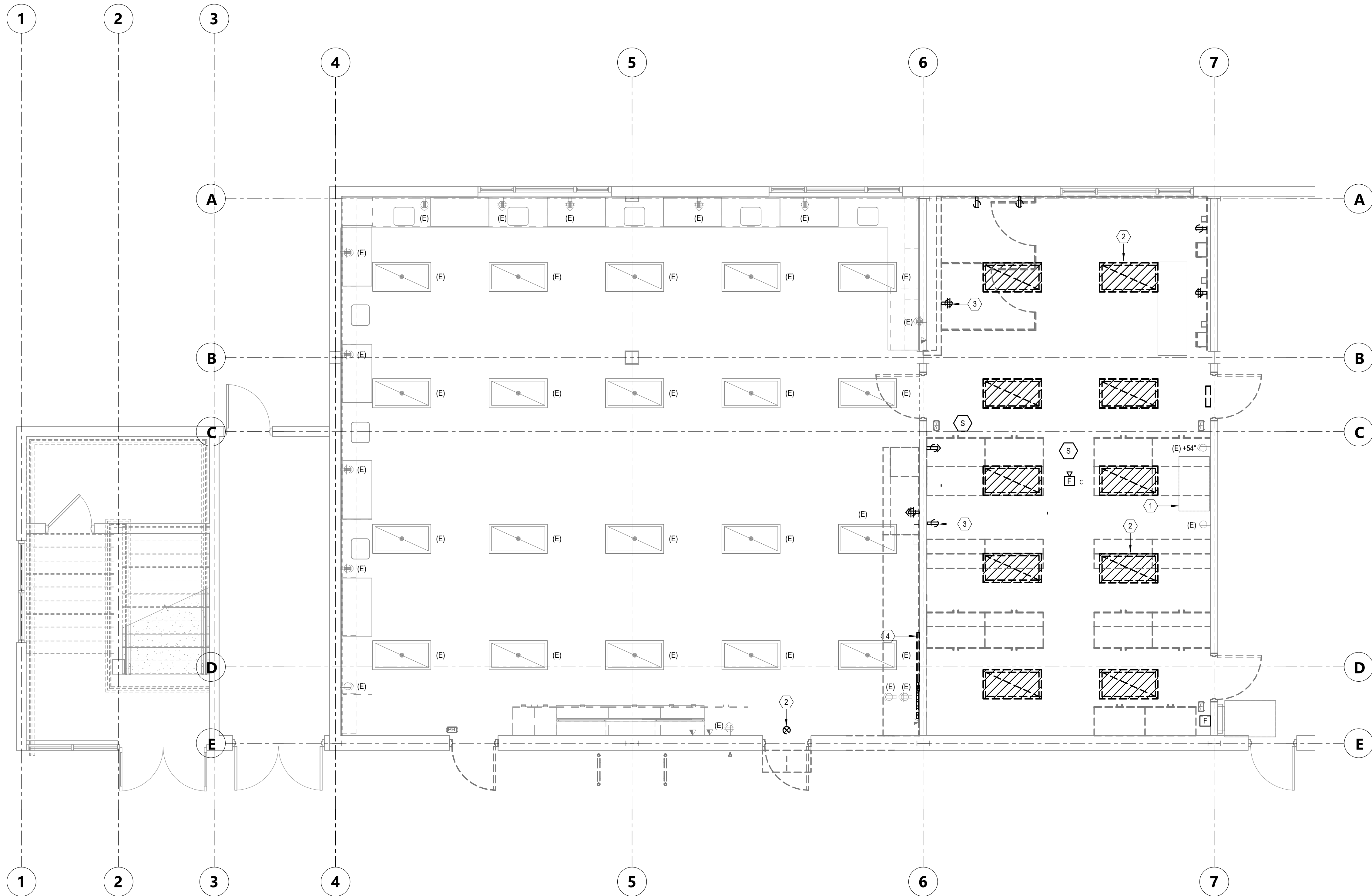
- APPLICABLE CODE: 2022 CBC PER IR 16-13
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.
- THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.
- MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):
- MP: MD: PP: □ □ □ □ □ □ OPTION 1: PROJECT SPECIFIC DESIGN.
- MP: MD: PP: □ □ □ □ □ □ OPTION 2: DESIGN BASED ON OSHPO OPM, WITHIN PROJECT SUBMITTAL.
- MP: MD: PP: □ □ □ □ □ □ OPTION 3: DESIGN BASED ON OSHPO OPM, DEFERRED SUBMITTAL.

TECHNOLOGY SYMBOL LEGEND:

ALL NOTES ARE TYPICAL UNLESS NOTED OTHERWISE ON PLANS AND DETAILS

MARK	SYMBOL	DESCRIPTION
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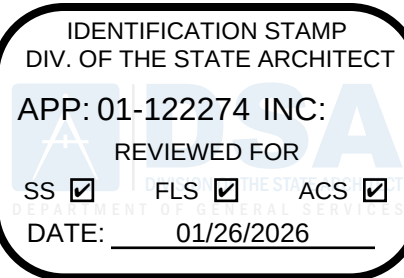
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1 ELECTRICAL BUILDING C DEMOLITION PLAN
E-101 SCALE: 1/4" = 1'-0"

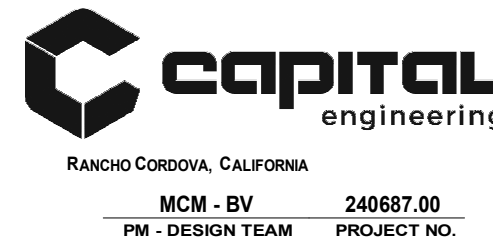
- GENERAL NOTES:
- A. REFER TO SHEET E-301 FOR GENERAL NOTES AND LEGEND.
B. REFER TO SHEET E-301 FOR SCHEDULES AND DETAILS.
- KEYNOTES:
1. EXISTING IDF TO REMAIN.
2. EXISTING LIGHTING FIXTURE TO BE REMOVED. REMOVE CONDUIT AND CONDUCTORS TO NEAREST JUNCTION BOX. PRESERVE A MINIMUM OF 6" OF CONDUCTORS WITHIN THE JUNCTION BOX FOR REUSE. LABEL THE JUNCTION BOX WITH THE PANEL NAME AND CIRCUIT NUMBER OF THE LIGHTING CIRCUIT. TYPICAL.
3. EXISTING RECEPTACLE TO BE REMOVED. REMOVE CONDUIT AND CONDUCTORS TO SOURCE. TYPICAL.
4. EXISTING PLUGMOLD TO BE REMOVED. REMOVE CONDUIT AND CONDUCTORS TO SOURCE.

AGENCY APPROVAL: DSA 01-122274



196

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CONSULTANTS

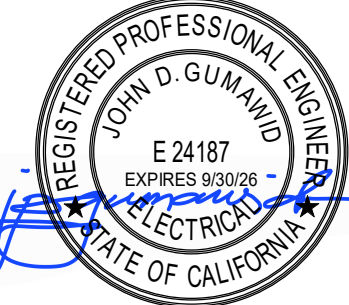
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PROFESSIONAL STAMP



REVISIONS		DATE SIGNED	ORIGINAL ISSUE DATE
NO.	DATE	DESCRIPTION	03/14/2025

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE
ELECTRICAL BUILDING C DEMOLITION PLAN

SHEET ISSUE DATE: 03/14/25

DRAWN BY: Author JOB NUMBER: 24411.01

SHEET NO.

E-101

CONSTRUCTION DOCUMENTS

KEYNOTES:

capital
engineering
RANCHO CORDOVA, CALIFORNIA
MCM - BV 240687.00
PM - DESIGN TEAM PROJECT NO.

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

SHEET TITLE
**ELECTRICAL BUILDING C
OVERALL PLAN**

DRAWN BY: Author JOB NUMBER: 24411.01

E-200



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122274 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 01/26/2026

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STRUCTURAL ENGINEER

MECHANICAL ENGINEER

ELECTRICAL ENGINEER

FIRE PROTECTION ENGI

<div style="text-align: center;">  </div>		
NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THE

PROJECT OWNER & TITLE

SOUTH SAN FRANCISCO, CA

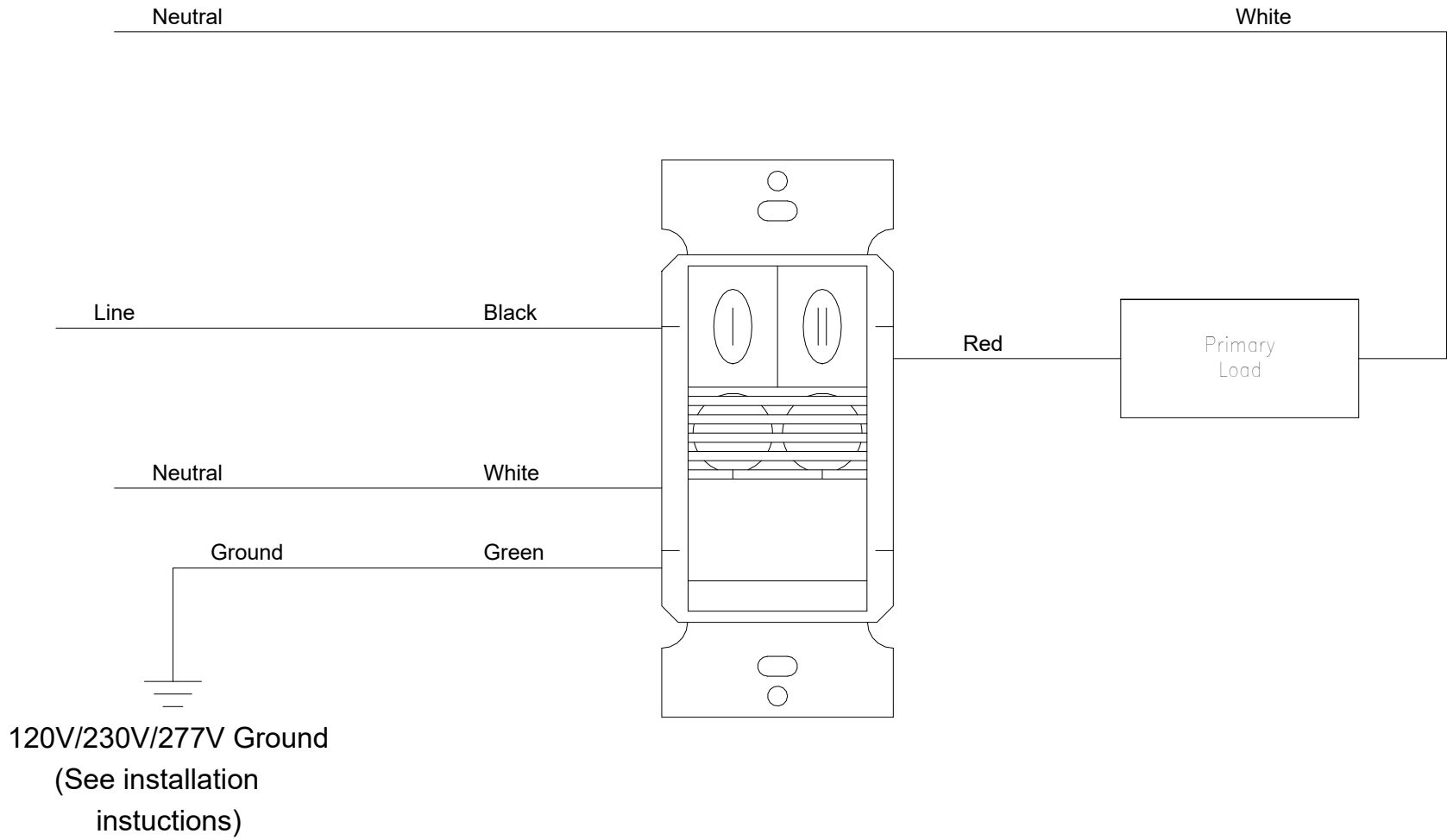
DRAWN BY: Author JOB NUMBER: 24411

E-201



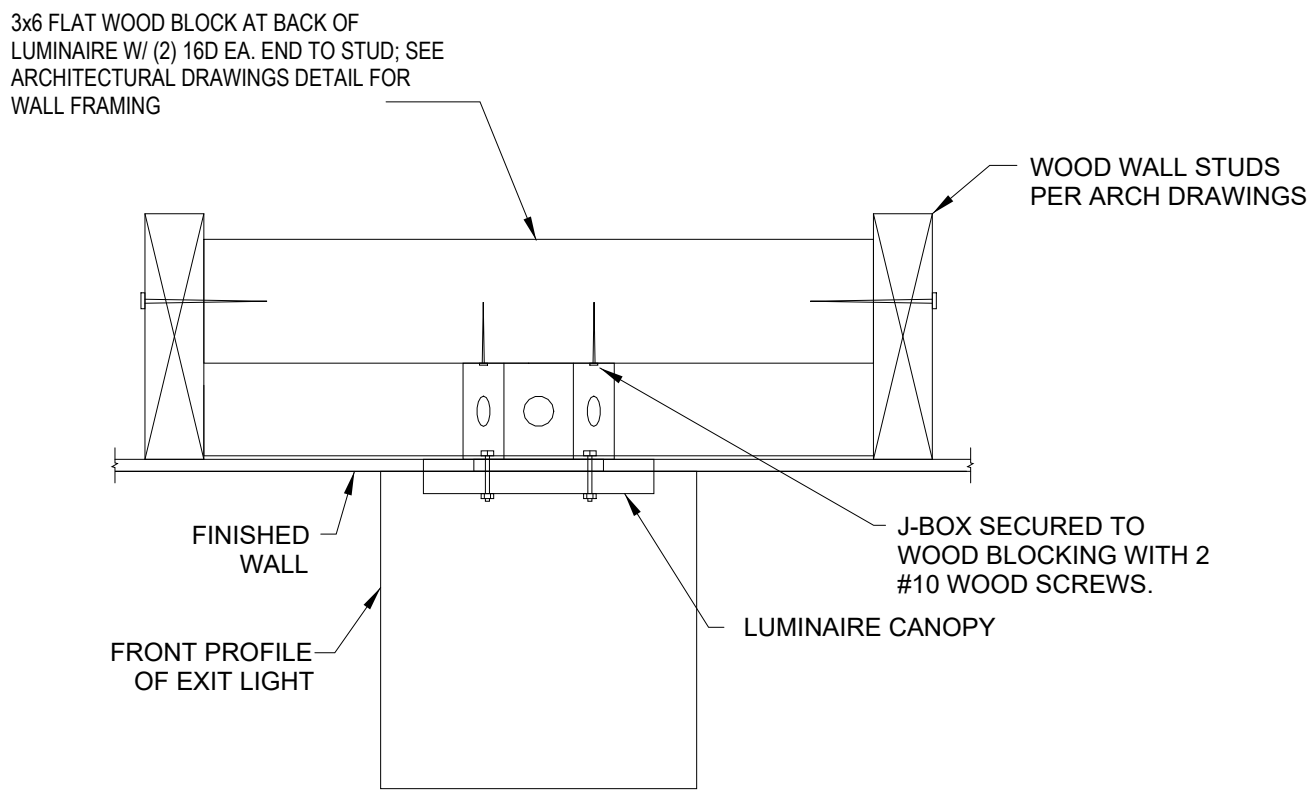
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NOTES:
WATTSTOPPER PW-100 OR EQUAL.



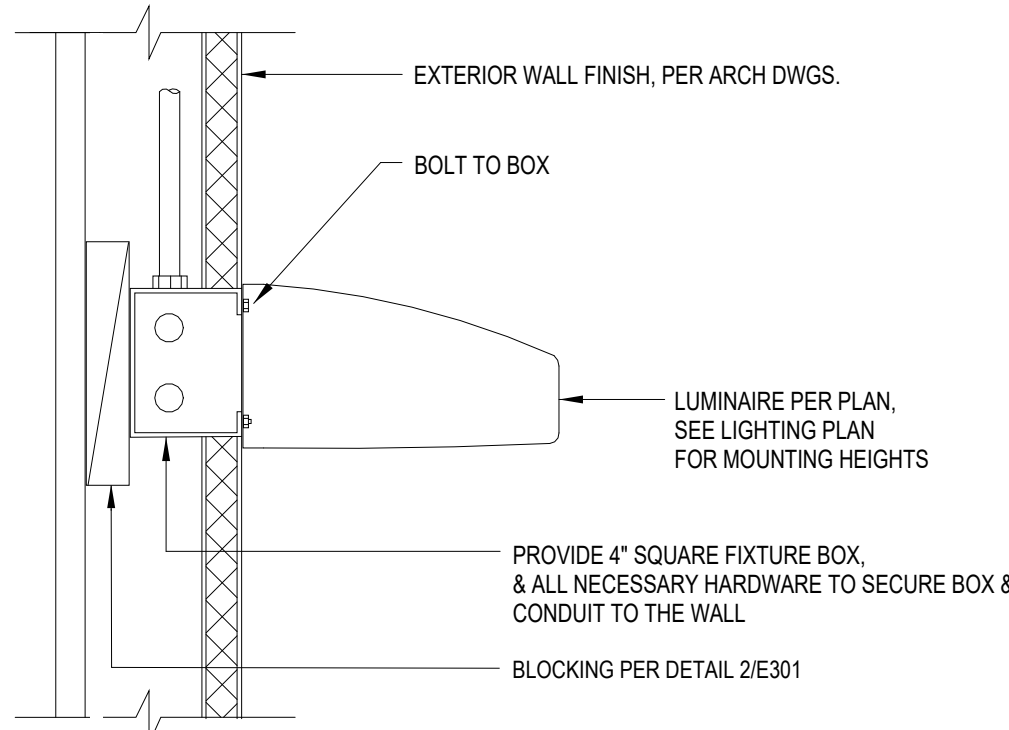
OCCUPANCY SENSOR WIRING DIAGRAM

SCALE : NONE



WALL EXIT LIGHT MOUNTING DETAIL FOR WOOD FRAMING

SCALE : NO SCALE



EXTERIOR WALL FIXTURE MOUNTING DETAIL

SCALE : NONE

PANELBOARD SCHEDULE - CP-1																	
DESIGNATION	FEEDER NO.	POLES & AMPS	LOAD, VA			C	P	C	K	H	L	LOAD, VA			POLES & AMPS	FEEDER NO.	DESIGNATION
			LTG.	RECPT.	OTHER							LTG.	RECPT.	OTHER			
(I)RECEPTABLES	1	120	720			1	A	2				1000			120	E	(E)RECEPTABLES RM. C-6
(E)RECEPTABLES RM. C-5	E	120	800			3	B	4				1200			120	E	(E)RECEPTABLES RM. C-6
(E)RECEPTABLES RM. C-5	E	120	1200			5	C	6				1200			120	E	(E)RECEPTABLES RM. C-6
(E)RECEPTABLES RM. C-5	E	120	1200			7	A	8				1200			120	E	(E)RECEPTABLES RM. C-6
(E)RECEPTABLES RM. C-5	E	120	1200			9	B	10				1000			120	E	(E)RECEPTABLES RM. C-6
(E)RECEPTABLES RM. C-5	E	120	1200			11	C	12				1000			120	E	(E)RECEPTABLES RM. C-7
(E)RECEPTABLES RM. C-4-AB	E	120	1200			13	A	14				1200			120	E	(E)RECEPTABLES RM. C-7
(E)RECEPTABLES RM. C-4-AB	E	120	1200			15	B	16				800			120	E	(E)RECEPTABLES RM. C-7
(E)RECEPTABLES REF.	E	120	1000			17	C	18				1200			120	E	(E)RECEPTABLES RM. C-7
(E)RECEPTABLES RM. C-3	E	120	1200			19	A	20				1200			120	E	(E)RECEPTABLES RM. C-7
(E)RECEPTABLES RM. C-4	E	120	1200			21	B	22				1200			120	E	(E)RECEPTABLES RM. C-7
(I)EXHAUST FANS	1	120	150			23	C	24				1400			120	(I)NFRG	
(E)RECEPTABLES RM. C-3	E	120	1200			25	A	26				540			120	1	(N)REF
(E)RECEPTABLES RM. C-4	E	120	1200			27	B	28				1000			120	1	(N)REFRIGERATOR
(E)RECEPTABLES RM. C-5	E	120	1200			29	C	30				2000			220	2	(N)DRYER
(E)RECEPTABLES RM. C-6	E	120	1000			31	A	32				2000					
(I)CHANGING TABLE	1	120	800			33	B	34									SPACE
(I)CHANGING TABLE	1	120	800			35	C	36									SPACE
(I)CHANGING TABLE	1	120	800			37	A	38				200			320	E	JEIT V.S.S.
SPACE						39	B	40				200					JEIT V.S.S.
SPACE						41	C	42				200					JEIT V.S.S.
SECTION SUB-TOTALS			0	19120	150							0	19340	800			SECTION SUB-TOTALS
CATEGORY		CONN. LOAD		DESIGN LOAD		MOUNTING		SURFACE		REMARKS:							
		KVA		DIV.		VOLTS:		120/208		N = NEW							
LIGHTING:		0.0		0.0		1.25		0.0									
RECEPTABLE:		38.5		106.9		0.63		24.2		34							
MOTORS:		0.2		0.4		1.00		0.2		MANS SIZE: 225 AMPS							
SPECIAL LOADS:		0.6		1.7		1.00		0.6		MANS TYPE: N/A							
ELECTRIC HEATING:		0.0		0.0		1.00		0.0		BUSS TYPE: COPPER							
WATER HEATING:		0.0		0.0		1.00		0.0		BRK TYPE: BOLT-IN							
EVSERVICES:		0.0		0.0		1.25		0.0		A.I.G. (RMS): 10,000							
TOTAL:		39.2		109.0		25.0		69.4		A Phase 14.9 Connected Kva							
										B Phase 11.8 Connected Kva							
										C Phase 12.6 Connected Kva							

KEYED NOTES:

- 1 LIGHT FIXTURE SUPPORT WIRE, #12 GALVANIZED IRON STEEL WIRE. SEE NOTE #2. SEE A-922 #14, 17, 25 FOR ATTACHMENT DETAIL. SEE NOTE #1.
- 2 TYPICAL - 4 TIGHT TURNS MINIMUM, WITHIN 1-1/2".
- 3 CROSS 'T' BAR.
- 4 TYPICAL- ACOUSTICAL TILE.
- 5 CEILING SUPPORT WIRES PER ARCHITECTURAL PLAN.
- 6 SEE STRUCTURAL DRAWINGS FOR UPPER ATTACHMENT TO BUILDING STRUCTURE.
- 7 TYPICAL FLEX CONDUIT WALL NECESSARY FITTINGS TO JUNCTION BOX. PROVIDE #12 '6' GROUND WIRE AND BOND TO LIGHT FIXTURE.
- 8 'T' BAR ATTACHMENT CLIP AT LIGHT FIXTURE (OR ROWS) SHALL HAVE 2 CLIPS AT EACH END WITH (1) #8 S.M.S. IN OPPOSITE SIDES (2 TOTAL). LOCATE SCREWS NEAR THE CENTER OF FIXTURE. SEE SPECS.
- 9 MAIN 'T' RUNNER.
- 10 TYPICAL RECESSED FIXTURE. SEE SCHEDULES.

GENERAL NOTES :

1. INSTALL LIGHT SUPPORTS IN ACCORDANCE WITH THE REQUIREMENTS, INTERPRETATION OF REGULATIONS IR 25-2, TITLE 24, PARTS 1 AND 2, CALIFORNIA CODE OF REGULATIONS.
2. SUPPORT T-BAR CEILING LAY-IN LIGHT FIXTURES IN ACCORDANCE WITH THE FOLLOWING TABLE:

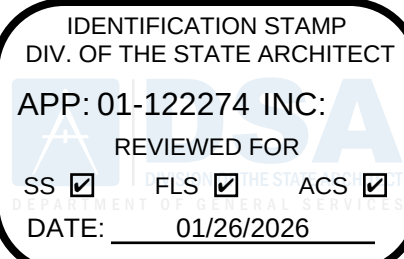
TYPE OF CEILING	LIGHT FIXTURE SIZE	FIXTURE WEIGHT	WIRE HANGERS
HEAVY DUTY	2' X 4' OR LESS	< 56 LBS.	2 #12 GA. (SLACK)

LAY-IN TROFFER MOUNTING DETAIL

SCALE : NONE

AGENCY APPROVAL: DSA

01-122274



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TEL (628) 212-9200

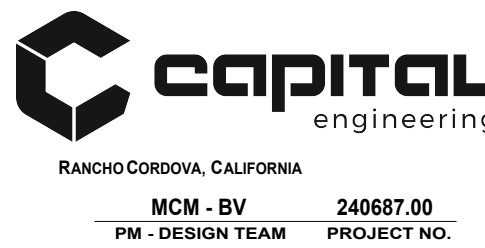
CONSULTANTS

STRUCTURAL ENGINEER
195X ARCHITECTS
1119 GARDEN STREET
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MECHANICAL ENGINEER
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ELECTRICAL ENGINEER
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FIRE PROTECTION ENGINEER
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PROFESSIONAL STAMP



REVISIONS

NO.	DATE	DESCRIPTION
1	03/14/2025	ORIGINAL ISSUE DATE

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE

ELECTRICAL DETAILS & SCHEDULES

SHEET ISSUE DATE: 03/14/25

DRAWN BY: Author JOB NUMBER: 24411.01

SHEET NO.

E-301

GENERAL NOTES:

A. REFER TO SHEET E-301 FOR GENERAL NOTES AND LEGEND.
B. REFER TO SHEET E-301 FOR SCHEDULES AND DETAILS.

KEYNOTES:

1 EXISTING IOF TO REMAIN.

2 PROVIDE DEDICATED DUPLEX RECEPTACLE FOR CHANGING TABLE.

3 PROVIDE NEMA 14-30R RECEPTACLE FOR DRYER. 2 #10, #10G, 3/4".

4 PROVIDE DEDICATED DUPLEX RECEPTACLE FOR WASHER.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122274 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 01/26/2026

196

185 CLARA STREET, SUITE 101A
SAN FRANCISCO, CA 94107
TEL (628) 212-9200



STRUCTURAL ENGINEER

19SIX ARCHITECTS
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CAPITAL ENGINEERING

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ELECTRICAL ENGINEER

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PROFESSIONAL STAMP



DATE SIGNED: 10-17-2025

REVISIONS	ORIGINAL ISSUE DATE:
03/14/2025	

[illegible]

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**SOUTH SAN FRANCISCO UNIFIED
SCHOOL DISTRICT**

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SOUTH SAN FRANCISCO, CA 94080

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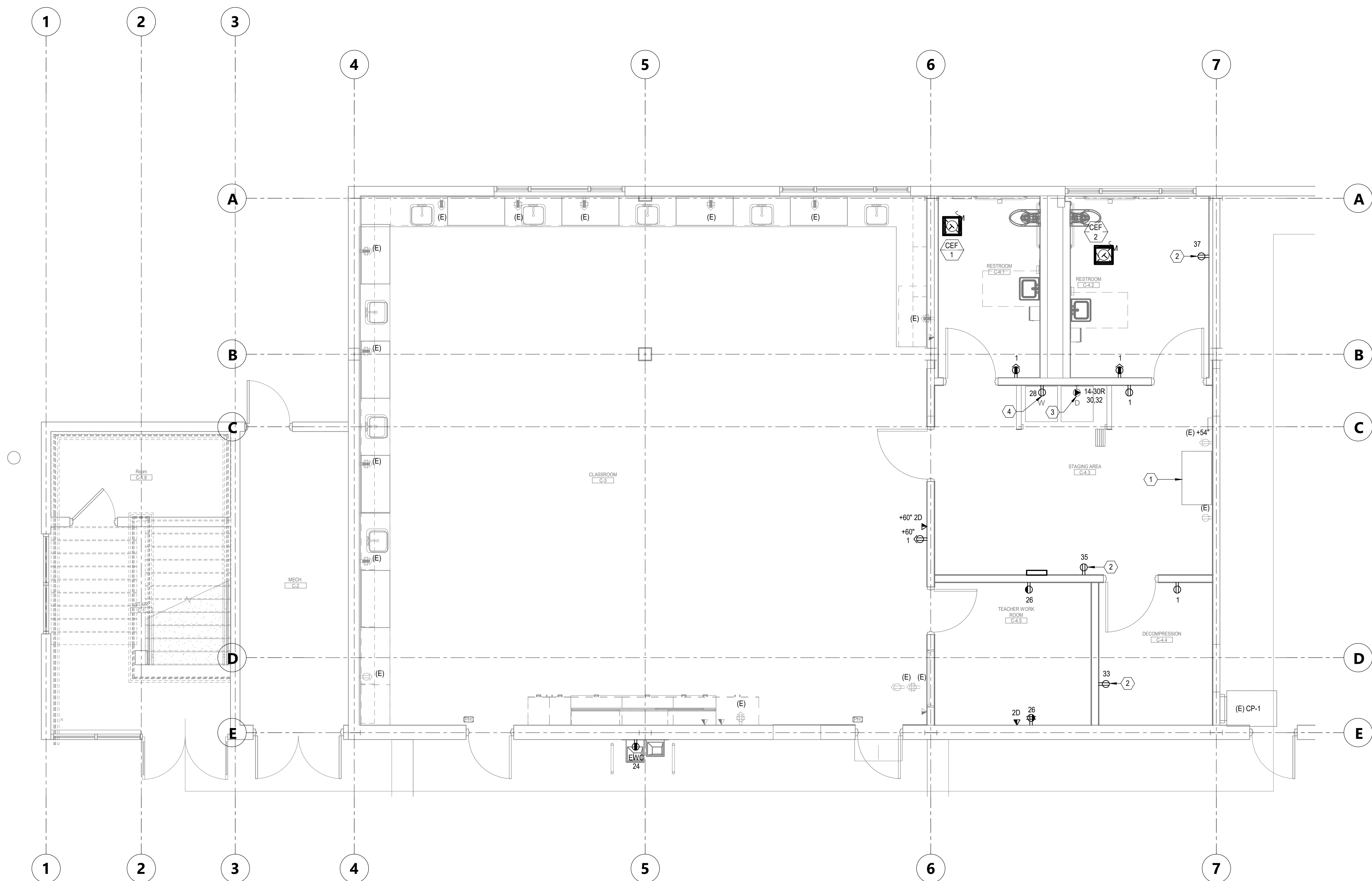
SHEET TITLE
ELECTRICAL BUILDING C
POWER & TECHNOLOGY
PLAN
SHEET ISSUE DATE: 03/14/25

DRAWN BY: Author JOB NUMBER: 24411.01

SHEET NO.

E-202

CONSTRUCTION DOCUMENTS



1 ELECTRICAL BUILDING C POWER & TECHNOLOGY PLAN
E-202 SCALE: 1/4" = 1'-0"

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

FILE LOCATION: C:\Users\nicholas.onstott\OneDrive - Capital Documents\240887_SSF_HS Special Needs MEP24_Central_Nicholas-Onstott.rvt DATE PLOTTED: 10/20/2025 11:27:35 AM

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

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)2 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)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: 1951X ARCHITECTS

Report Page: (Page 1 of 7)

Project Address: 3/14/2025

Date Prepared:

A. GENERAL INFORMATION				
01 Project Location (city)		04 Total Conditioned Floor Area (ft ²)	685	
02 Climate Zone	1	05 Total Unconditioned Floor Area (ft ²)	0	
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1	
• Classroom • Office • Support Areas • 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)2 / 180.2(b)4 for alterations.				
Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft ²)	Calculation Method	Area (ft ²)
☒ New Lighting System	Area Category Method	685	Area Category Method	0
☐ New Lighting System - Parking Garage				
Total Area of Work (ft ²)	685		0	

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: EnergyPro-30211-0325-2189

Schema Version: rev 20220101

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STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: 1951X ARCHITECTS

Report Page: (Page 4 of 7)

Project Address: 3/14/2025

Date Prepared:

H. INDOOR LIGHTING CONTROLS (Not including PAFs)											
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(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector			
Whole Building	All Other Space Types	Readily Accessible	Dimmer	See Building Level	Included	Included	No	☐	Pass	☐	Fail
13											
Plan Sheet Showing Daylit Zones:											

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS						
Each area complying using the Complete Building or Area Category Methods per 140.6(a) 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.						
Conditioned Spaces						
01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage	Additional Allowance / Adjustment	PAF
Undefined Zone	Classroom, Lecture, or Training Vocational	0.6	267	160.2	No	No
Undefined Zone	Restroom	0.65	225	146.2	No	No
Undefined Zone	Office (<=250 square feet)	0.65	110	71.5	No	No
Undefined Zone	Convention, Conference, Multipurpose and Meeting Center	0.75	83	62.2	No	No
TOTALS:			685	440.1	See Tables J, or P for detail	

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: 1951X ARCHITECTS

Report Page: (Page 7 of 7)

Project Address: 3/14/2025

Date Prepared:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Joseph Park

Documentation Author Signature: Joseph Park

Company: Capital Engineering Consultants Inc.

Signature Date: 03/14/2025

Address: 110 East 9th St, Suite C841

CEA/HERS Certification Identification (if applicable):

City/State/Zip: Los Angeles, CA 90079-2827

Phone: (213) 459-5896

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

1. The information provided on this Certificate of Compliance is true and correct.

2. 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).

3. 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 2 of the California Code of Regulations.

4. 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.

5. 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: Nathan Hearn

Responsible Designer Signature: Nathan Hearn

Company: Capital Engineering Consultants Inc.

Date Signed: 2025-03-14

Address: 11020 Sun Center Dr.

License: E23927

City/State/Zip: Rancho Cordova, CA 95670

Phone: 916-861-3568

Generated Date/Time: Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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Compliance ID: EnergyPro-30211-0325-2189

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STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: 1951X ARCHITECTS

Report Page: (Page 2 of 7)

Project Address: 3/14/2025

Date Prepared:

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)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)					=	Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)			=	Compliance Results
	01	02	03	04	05		06	07	08		09
	Complete Building 140.6(c)1 / 140.6(b)1 / 170.2(e)	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4AV (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	Total Allowed (Watts)		Total Designed (Watts)	PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	Total Adjusted (Watts) *Includes Adjustments		05 must be >= 08 140.6 / 170.2(e)
(See Table I)	(See Table I)	(See Table J)	(See Table K)	=	(See Table F)	(See Table P)	=	COMPLIES			
Conditioned	440.1			=	440	392	0	=	392	COMPLIES	
Unconditioned					=	2		=		COMPLIES	
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

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.

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: EnergyPro-30211-0325-2189

Schema Version: rev 20220101

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STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: 1951X ARCHITECTS

Report Page: (Page 6 of 7)

Project Address: 3/14/2025

Date Prepared:

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.

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.

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: EnergyPro-30211-0325-2189

Schema Version: rev 20220101

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STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: 1951X ARCHITECTS

Report Page: (Page 3 of 7)

Project Address: 3/14/2025

Date Prepared:

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 T. 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.										
Designed 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 ¹	Watts per luminaire ²	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
A	No	NA	28	Mfr. Spec	14	No	392		Pass	Fail
Total Designed Watts: CONDITIONED SPACES									392	

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)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.

²Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

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				03
01	02			Field Inspector
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C			Pass
Required >= 4,000W subject to multilevel	Whole Building Auto Time Switch			Fail

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STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTI-E

Project Name: 1951X ARCHITECTS

Report Page: (Page 6 of 7)

Project Address: 3/14/2025

Date Prepared:

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

NRCLTI-E - Must be submitted for all buildings

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 Text Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Form/Title

Systems/Spaces To Be Field Verified

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

Whole Building Time Switch;

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

Whole Building;

NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.

Whole Building Demand Response;

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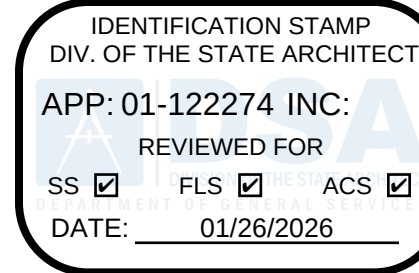
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: EnergyPro-30211-0325-2189

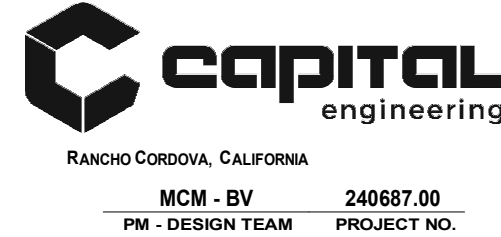
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19.6

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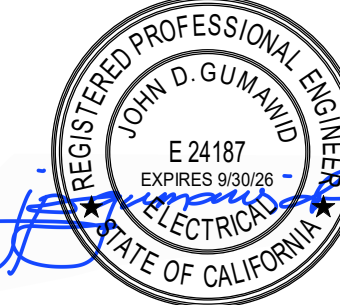
CONSULTANTS
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TEL (805) 963-1210

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TEL (916) 851-3500

ELECTRICAL ENGINEER
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FIRE PROTECTION ENGINEER
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DATE SIGNED: 10-17-2025

REVISIONS

NO.	DATE	DESCRIPTION

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE
TITLE 24 BUILDING C LTI

SHEET ISSUE DATE: 03/14/25

DRAWN BY: Author JOB NUMBER: 24411.01

SHEET NO.

E-401

FILE LOCATION: C:\Users\jordan.yu\OneDrive - CapitalDocuments\24087_SSF HS Special Needs MEP24_Central_Yu&O&4.rvt

DATE PLOTTED: 12/4/2025 9:56:24 AM

GENERAL NOTES

- THE FIRE ALARM SYSTEM SHALL COMPLY WITH A TOTAL COVERAGE FULLY AUTOMATIC SYSTEM. DETECTORS SHALL BE INSTALLED IN ALL AREAS WHERE REQUIRED BY THE APPROPRIATE NFPA STANDARD OR THE AUTHORITY HAVING JURISDICTION. EACH INSTALLED DETECTOR SHALL BE ACCESSIBLE FOR PERIODIC MAINTENANCE AND TESTING. PROVIDE ACCESS DOORS AS REQUIRED. TOTAL COVERAGE SHALL INCLUDE ALL ROOMS, STORAGE AREAS, ATTICS, SPACES ABOVE SUSPENDED CEILINGS, AND OTHER SUBDIVISIONS AND ACCESSIBLE SPACES. INACCESSIBLE AREA SHALL NOT BE REQUIRED TO BE PROTECTED BY DETECTORS UNLESS THEY CONTAIN COMBUSTIBLE MATERIAL, IN WHICH CASE THEY SHALL BE MADE ACCESSIBLE AND BE PROTECTED BY DETECTOR(S).
- THE FIRE ALARM SYSTEM IS AN ADDRESSABLE SYSTEM.
- THE AUTOMATIC FIRE ALARM SYSTEM SHALL COMPLY WITH SENATE VOTE BILL NO. 575 (SB575) & CBC 907.2 FOR NEW CONSTRUCTION PROJECTS.
- THE FIRE ALARM SYSTEM IS A COMPLETE SUBMITTAL.
- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA BUILDING CODE (CBC) SECTION 907, THE CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 760 AND THE CALIFORNIA FIRE CODE (CFC) SECTION 907. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE DIVISION OF THE STATE ARCHITECT (DSA) INSPECTOR OF RECORD.
- PROVIDE COMPLETE SYSTEM WIRING. ALL WIRING SHALL BE IN MINIMUM 3/4" CONDUIT. NO OTHER SYSTEMS WIRING SHALL BE ROUTED IN THE FIRE ALARM CIRCUITS. HARDWIRED INITIATION CIRCUITS SHALL BE MINIMUM #14 THHN/TW/N. SYSTEMS WIRING SHALL BE PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND THEIR REQUIREMENTS. ALL CONDUIT SHALL BE INSTALLED WITH COMPRESSION FITTINGS FOR COUPLERS AND BOX CONNECTORS.
- WIRING AND MATERIALS PER CEC 760.
- THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
- BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION, THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE PROJECT INSPECTOR TO THE EFFECT THAT THE SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH THE NFPA 72 SECTION 14.4
- A FIRE ALARM ACCEPTANCE TEST OF ALL DEVICES AND APPLIANCES, INCLUDING THE BACKUP BATTERY(IES), SHALL BE PERFORMED. ALL MANUFACTURER OPERATING RANGED SHALL BE MET. TESTING OF THE SUPERVISING STATION SIGNALS, AS WELL AS RELAY TO THE APPROPRIATE RESPONDING AGENCY, SHALL BE INCLUDED IN THE ACCEPTANCE TESTING. THE PROJECT INSPECTOR SHALL WITNESS THE ACCEPTANCE INSPECTION AND SHALL SIGN AS THE AUTHORITY HAVING JURISDICTION REPRESENTATIVE ON THE "SYSTEM RECORD OF COMPLETION" (NFPA 72, SECTION 7.5.6). AND THE "SYSTEM RECORD OF INSPECTION AND TESTING" (NFPA 7.5.6). SEE NFPA 72, FIGURE 7.8.2(a) & (g). ALL SUPPLEMENTARY RECORDS SHALL BE ATTACHED AS APPLICABLE. THE PROJECT INSPECTOR SHALL VERIFY THAT THE FIRE ALARM SYSTEM IN SERVICE PRIOR TO COMPLETION OF THE "SYSTEM RECORD OF COMPLETION" FORM. ALL ORIGINAL DOCUMENTATION SHALL BE RETAINED IN THE REQUIRED DOCUMENTATION CABINET.
- AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AND CBC 907.6.5.3 THE SUPERVISING STATION SHALL BE LISTED AS EITHER UL/FX OR ULIS BY UL OR SHALL MEET THE REQUIREMENTS OF FM STANDARD 801.3.
- HEAT DETECTORS SHALL BE INSTALLED IN COMBUSTIBLE SPACES WHERE SPRINKLER OR SMOKE DETECTOR ARE NOT INSTALLED PER CFC 907.2.3.6.2.

EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. PERMANENTLY ATTACHED SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL. RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, AND DUCTWORK DISTR. SYSTEM BRACING

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING(MP), MECHANICAL DUCTS(MD), PLUMBING PIPING(PP), ELECTRICAL DISTRIBUTION SYSTEMS(ES):

MP ☐ MD ☐ PP ☐ ES ☒ OPTION 1: PROJECT SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ ES ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP ☐ MD ☐ PP ☐ ES ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

FIRE ALARM NOTES

- ALL FIRE ALARM WORK SHALL COMPLY WITH DESIGN GUIDELINES AS WELL AS APPLICABLE FEDERAL, STATE, AND LOCAL CODES. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
- IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE REQUIREMENTS, THE NOTE, CODE OR SPECIFICATION WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD SHALL PREVAIL.
- OMISSIONS FROM THE DRAWINGS, SPECIFICATIONS OR THE MIS-DESCRIPTION OF DETAILS FROM WORK WHICH ARE CLEAR AND NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS, SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MIS-DESCRIBED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL CHECK ALL DRAWINGS FURNISHED, IMMEDIATELY UPON THEIR RECEIPT AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY DISCREPANCIES.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE CALIFORNIA STATE FIRE MARSHAL (CSFM), UNDERWRITERS LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
- ALL CHANGES TO STRUCTURES (BUILDING, DRILLING, CORING, ETC.) NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED IN WRITING BY STRUCTURAL ENGINEER.
- FOR PURPOSES OF CLEARNESS AND LEGIBILITY, THE FIRE ALARM DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DATA INFORMATION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE SCSS AND LOW VOLTAGE WORK INTERFACES WITH OTHER TRADES.
- THE CONTRACTOR SHALL MAINTAIN AS-BUILT DRAWINGS TO REFLECT ALL CHANGES MADE DURING CONSTRUCTION AND ANY DEVIATIONS FROM THE ELECTRICAL AND FIRE ALARM DRAWINGS. THIS INCLUDES DEVIATIONS FROM OUTLET NUMBERS AND ANY ADDITION, DELETION OR RELOCATION OF OUTLETS SHOWN ON WORKING DRAWINGS, PATHWAY ADDITIONS, DELETIONS OR RELOCATIONS. THE CONTRACTOR SHALL AFTER COMPLETION OF JOB, PROVIDE THE OWNER AN ELECTRONIC AND HARD COPY OF AS-BUILT WORK.
- ANY DEVIATIONS FROM PLANS OR SPECS MUST BE APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.
- ALL FOOTNOTES ON DRAWINGS ARE ESTIMATED AND MUST BE VERIFIED BY CONTRACTOR PRIOR TO ORDERING MATERIAL.
- ALL STATION CABLES SHALL BE NEATLY DRESSED AND SECURED EVERY FIVE FEET AT A MINIMUM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING TILE INCLUDING REPLACEMENT OF BROKEN OR DAMAGED TILES.
- ALL LOCATIONS PASSING THROUGH A FIRE OR A SMOKE BARRIER MUST BE FIRE STOPPED USING APPROVED (UL CLASSIFIED) FIRE STOP SYSTEM, INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND PROPERLY LABELED.
- CONDUIT SHALL BE FILLED TO MAXIMUM CAPACITY (PER CODE, STANDARDS, AND NORMS) BEFORE UTILIZING ANOTHER VACANT CONDUIT.
- ALL FIRE ALARM DEVICES SHALL BE PROPERLY IDENTIFIED USING THE OWNER'S STANDARD INTERNAL DISTRIBUTION NUMBERING SCHEME. ALL LABELS SHALL BE PREPRINTED OR TYPED.
- EACH CABLE SHALL BE EQUIPPED WITH A PERMANENT LABEL INDICATING THE CIRCUIT IDENTIFICATION, BOTH ENDS OF EACH CABLE AND AT EVERY MAINTENANCE HOLE, HAND HOLE, AND PULL BOX, SHALL BE SO LABELED.
- ALL CABLES SHALL BE CLEARLY LABELED WITH CIRCUIT IDENTIFICATION.
- PULL ROPES SHALL BE PLACED IN ALL VACANT CONDUITS.
- ALL WORK MUST BE COMPLETED IN A NEAT AND PROFESSIONAL MANNER. THE WORK SITE SHALL BE KEPT CLEAN AND ALL DAMAGE TO OWNER'S PROPERTY REPAIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING A FINAL CLEANUP OF THE WORK SITE PRIOR TO FINAL SYSTEM ACCEPTANCE.
- CONTRACTOR SHALL REMOVE ALL COPPER, FIBER AND COAXIAL CABLES ABANDONED IN CONDUIT, CEILINGS AND WALLS PER CEC. CABLE SHALL INCLUDE ALL INTRABUILDING, RISER SYSTEMS AND STATION CABLES FOR ALL LOW VOLTAGE/FIRE ALARM/STRUCTURED CABLEING SYSTEMS.
- CONTRACTOR(S) SHALL VERIFY ALL SITE CONDITIONS PRIOR TO BID.
- IN ACCESSIBLE CEILING SPACES:
 - THE CONTRACTOR SHALL PROVIDE THE REQUIRED STUB UP(S) / OUT(S) AND BOXES WITH MUD-RINGS TO THE NEAREST ACCESSIBLE CEILING SPACE AND / OR NEAREST FIRE ALARM PATHWAY INFRASTRUCTURE, REFERENCE PLANS AND SPECIFICATION FOR MORE INFORMATION.
 - THE DESIGNATED SCSS / FIRE ALARM CONTRACTOR(S) SHALL PROVIDE A J-HOOK PATHWAY SYSTEM AND REQUIRED SLEEVES. DO NOT USE CEILING TILE WIRE HANGERS, WATER OR ELECTRICAL PIPES, OR LIGHT FIXTURES TO HANG CABLE. CABLE MUST BE A MINIMUM OF 6 INCHES ABOVE THE CEILING TILE AND MUST NOT COME WITHIN TWELVE INCHES OF A LIGHT FIXTURE. THE DESIGNATED ELECTRICAL CONTRACTOR(S) FOR EACH SUB-SYSTEM WILL PROVIDE THE PATHWAY REQUIRED FOR THE SYSTEMS, OUTSIDE WHAT IS CONSIDERED THE STRUCTURED CABLEING SYSTEM.
- IN INACCESSIBLE AND HARD-LID CEILING SPACES:
 - THE CONTRACTOR SHALL PROVIDE ALL CONDUIT PATHWAYS, BOXES ETC. FOR A COMPLETE SYSTEM FROM THE MDF ROOM, IDF ROOM(S), IDF CABINET(S), AND ALL OTHER LOW VOLTAGE / FIRE ALARM SYSTEMS HEADEND, CABINETS, TERMINAL CABINETS, ETC. TO THE POINT OF TERMINATION AT THE STATION END LOCATION PER PLANS AND SPECIFICATION.

FIRE ALARM SCOPE OF WORK

EXPAND EXISTING FIRE ALARM COVERAGE FOR TENANT IMPROVEMENT OF ROOM C-4. NEW INITIATING AND VOICE EVACUATION NOTIFICATION DEVICES WILL BE INSTALLED PER DSA REQUIREMENTS.

CODES AND STANDARDS

APPLICABLE PROJECT BUILDING CODES, EFFECTIVE AS OF DATE: JANUARY 1, 2023

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)
2022 CALIFORNIA BUILDING CODE (CBC)
2022 CALIFORNIA ELECTRICAL CODE (CEC)
2022 CALIFORNIA FIRE CODE (CFC)
2022 CALIFORNIA ENERGY CODE
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE
2022 CALIFORNIA REFERENCED STANDARDS CODE
2022 NFPA 72: NATIONAL FIRE ALARM AND SIGNALING CODE
2022 NFPA 1221: STANDARD FOR THE INSTALLATION, MAINTENANCE, AND USE OF EMERGENCY SERVICES COMMUNICATIONS SYSTEMS

DSA GENERAL NOTES

- APPLICABLE STANDARD NFPA 72, as adopted and amended in CBC Chapter 35
- 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 DSA.
- UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
- DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
- 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.
- WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
- WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
- 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.
- AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- 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 CANDELLA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
- 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.
- 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.
- ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, 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.
- 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.
- 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 PANEL/EXTENDERS.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 17.8.2.
- FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
- MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
- THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
- SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
- OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
- BATTERIES WILL BE MARKED WITH MONTH AND YEAR OF MANUFACTURE.

DEVICE LEGEND

SYMBOL	MANUFACTURER	PART NO	QUANTITY	IS EXISTING	DESCRIPTION	CSFM
		FIREFINDER XLS	1	YES	ASSEMBLY, FIRE ALARM CONTROL PANEL	7165-0067-0222
		DLC	1	YES	INTELLIGENT DEVICE LOOP CARD (2 LOOPS/262 ADDRESSES TOTAL) ONE CARD SLOT CC-5CC-2	7165-0067-0222
		PMI	1	YES	CARD, PERSON MACHINE INTERFACE (PMI)	7165-0067-0222
		PSC-12	1	YES	12A@24VDC POWER SUPPLY & 100AH	7165-0067-0222
[FACU]	SIEMENS	(E)2C-4A	2	YES	4 NAC ZONES (CODED OR NON-CODED SYNC. OR NON SYNC STROBE, MT.L.L., RELEASING) 3A EACH MAX. CLASS A OR B ONE CARD SLOT CC-5CC-2	7165-0067-0222
		(N)2C-4A	1	NO	4 NAC ZONES (CODED OR NON-CODED SYNC. OR NON SYNC STROBE, MT.L.L., RELEASING) 3A EACH MAX. CLASS A OR B ONE CARD SLOT CC-5CC-2	7165-0067-0222
		CAB-1	1	YES	CAB-1 ENCLOSURE	7165-0067-0222
		CC-5	1	YES	CARDCAGE (5 SLOTS) FOR ALL CARDS BACKBOX - 2 POSITIONS	7165-0067-0222
		ID-SP	1	YES	INNER DOOR SINGLE BLANK PLATE (2 PER PACKAGE) MOUNTS TO CABREMBOX INNER DOORS	7165-0067-0222
[S]	SIEMENS	OP921 WIDB-11	5	NO	SMOKE DETECTOR WID® BASE	7272-0067-0258
[S]	SIEMENS	HFP-11 WIDB-11	2	YES	SMOKE DETECTOR WID® BASE	NO LONGER LISTED
[H]	SIEMENS	HIS21	1	NO	THERMAL DETECTOR	7270-0067-0262
[H] AC	SYSTEM SENSOR	5602	7	NO	194 "F" (90° C) FIXED AND RATE-OF-RISE	7270-1653-0167
[AM]	SIEMENS	HTRM	2	NO	MINI SINGLE INPUT MODULE	7165-0067-0222
[F]	SIMPLEX	2901-9838	1	YES	SIMPLEX HORN	NO LONGER LISTED
[F] C	SIEMENS	SLSPSCR-N	5	NO	SPEAKER/STROBE, CEILING, RED, FIRE	7320-0067-0517
[FATC]	GENERIC	SSU00635	1	NO	FIRE ALARM TERMINAL CABINET	NA
[R]	GENERIC	JUNCTION BOX CEILING	1	NO	JUNCTION BOX CEILING	NA
[DOC]	SPACEAGE	ACE-11 - SSU00899	1	NO	SYSTEM RECORD DOCUMENTS BOX	7300-0553-0110
[CELL]	NA	NA	1	YES	CELLULAR DEVICE. OWNER FURNISH AND INSTALL	NA

ADDRESS NOMENCLATURE

#-XXX / Z#-XXX	DEVICE OR MODULE NUMBER
↑	LOOP / ZONE NUMBER
N1•XXX	DEVICE OR MODULE NUMBER
↑	NOTIFICATION CIRCUIT NUMBER
S1•XXX	DEVICE NUMBER
↑	SPEAKER CIRCUIT NUMBER

CABLE LEGEND

LABEL	AWG	DESCRIPTION
A	16	16/2 FPLP CABLE (SLC)
V	14	14/2 FPLP CABLE (NAC)
S	14	14/2 FPLP SHIELDED CABLE (SPEAKER)
Z	18	18/2 FPLP CABLE (IDC)

FA SHEET LIST	
SHEET NUMBER	SHEET NAME
FA-001	FIRE ALARM NOTES & LEGEND
FA-002	FIRE ALARM SEQUENCE OF OPERATIONS & RISER DIAGRAM
FA-003	FIRE ALARM CALCULATIONS
FA-101	FIRE ALARM BUILDING C DEMOLITION PLAN
FA-200	FIRE ALARM SITE PLAN
FA-201	FIRE ALARM BUILDING C FLOOR PLAN
FA-301	FIRE ALARM DETAILS

DSA

01-122274

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122274 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 01/26/2026

196

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RANCHO CORDOVA, CALIFORNIA
MECH. BY
PW - DESIGN TEAM
240887.00
PROJECT NO.

PROFESSIONAL STAMP



REVISIONS
DATE SIGNED: 12-04-2025
ORIGINAL ISSUE DATE: 03/14/2025

NO.	DATE	DESCRIPTION

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PROJECT OWNER & TITLE

**SOUTH SAN FRANCISCO UNIFIED
SCHOOL DISTRICT**
398 B ST
SOUTH SAN FRANCISCO, CA 94080

**SOUTH SAN FRANCISCO HS -
ALTERATIONS TO ROOMS B-12 &
B-13, AND C-3 & C-4**
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE

**FIRE ALARM NOTES &
LEGEND**

SHEET ISSUE DATE: 03/14/25

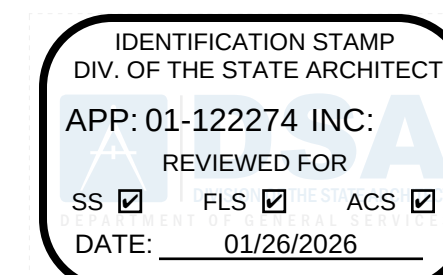
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JOB NUMBER: 24411.01

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FA-001

CONSTRUCTION DOCUMENTS



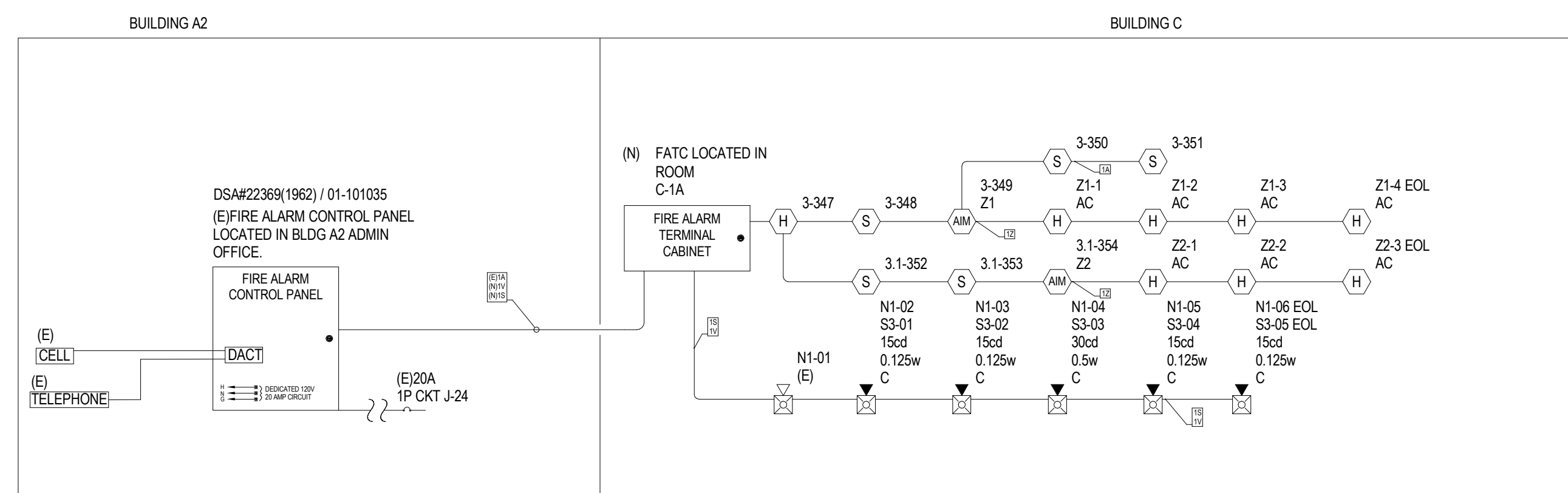
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ABBREVIATIONS

ACP	ACCESS CONTROL PROCESSOR	(N)	NEW
AFF	ABOVE FINISHED FLOOR	NC	NORMALLY CLOSED
AHJ	AUTHORITY HAVING JURISDICTION	NC	NOT IN CONTRACT
AMP	AMPLIFIER	NO	NORMALLY OPEN
ARP	ARCHITECT OF RECORD	NC	NOT TO SITS
AUTO	AUTOMATIC	OC	ON CENTER
AUX	AUXILIARY	OFCI	OWNER FURNISHED,
B	BONDING		CONTRACTOR INSTALLED
BCT	BONDING CONDUCTOR FOR TELECOMMUNICATIONS	OFIO	OWNER FURNISHED, OWNER INSTALLED
	CONDUIT	OSP	OUTSIDE PLANT
C	COMMUNITY ANTENNA	PB	PULL BOX
CATV	TELEVISION	POE	POWER OVER ETHERNET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	PR	PAIR OF CONDUCTORS
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	PVC	POLYVINYL CHLORIDE
CL	CENTRAL	PWR	POWER
CLSM	CALIFORNIA STATE FIRE MARSHAL	(RR)	REMOVE AND REPLACE
DC	DOOR CONTACT	(RL)	REMOVE AND RELOCATE
DE	EXISTING	RCF	REFLECTED CEILING PLANT
(EX)	DOOR CONTACT	RFI	REQUEST FOR
EC	ELECTRICAL CONTRACTOR		INFORMATION
ECS	ELECTRICAL COMMUNICATION SYSTEM	RMG	RIGID METAL CONDUIT
	SYSTEM	SCS	STRUCTURED CABLEING SYSTEM
EM	ENTRANCE FACILITY FOR TELECOMMUNICATION	SM	SINGLE MODE
EF	ELECTRICAL METALLIC TUBING	STR	STRANDS (OF FIBER)
EXT	EXTERIOR	STP	SHIELDED TWISTED PAIR
EXT	EXTERIOR	SEC	SECURITY
F	FUTURE	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FACP	FIRE ALARM CONTROL PANEL	TELCO	TELEPHONE COMPANY
FATC	FIRE ALARM TERMINAL CABINET	TGB	GROUNDING BUSBAR
FABP	FIRE ALARM BOOSTER PANEL	TGMB	TELECOMMUNICATION MAIN GROUNDING BUSBAR
FO	FLOORBOARD	TYP	TYPICAL
F	FIBER OPTIC	UNO	UNLESS NOTED
GC	GENERAL CONTRACTOR		OTHERWISE
IDF	INTERMEDIATE DISTRIBUTION FRAME	UPS	UNINTERRUPTIBLE POWER SUPPLY
INT	INTERIOR	UTP	UNSHIELDED TWISTED PAIR
IP	INTERNET PROTOCOL	V	VOICE
J	JUNCTION BOX	WB	WALL BOX
LV	LOW VOLTAGE	WP	WEATHERPROOF
MDR	MAIN DISTRIBUTION FRAME		
MM	MICROPROCESSOR		
MM	MULTIMODE		
MPOE	MINIMUM POINT OF ENTRY		

SEQUENCE OF OPERATIONS

[illegible]

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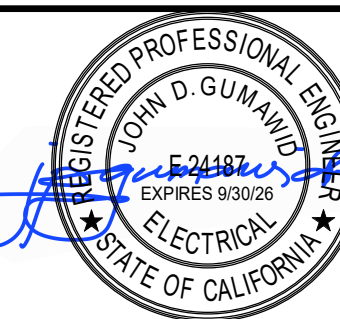
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SHEET TITLE
**FIRE ALARM SEQUENCE OF
OPERATIONS & RISER
DIAGRAM**

SHEET ISSUE DATE: 03/14/25

SHEET NC

FA-002

IDENTIFICATION STAMP
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DATE: 01/26/2026

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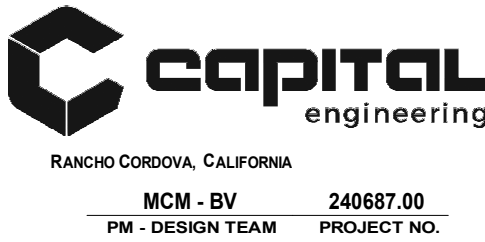
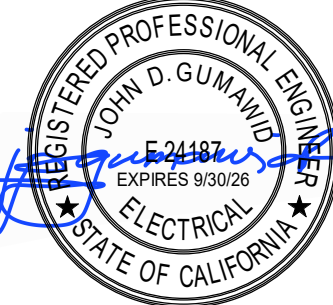
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SHEET TITLE
FIRE ALARM CALCULATIONS

SHEET ISSUE DATE: 03/14/25

DRAWN BY: Author JOB NUMBER: 24411.01

SHEET NO.

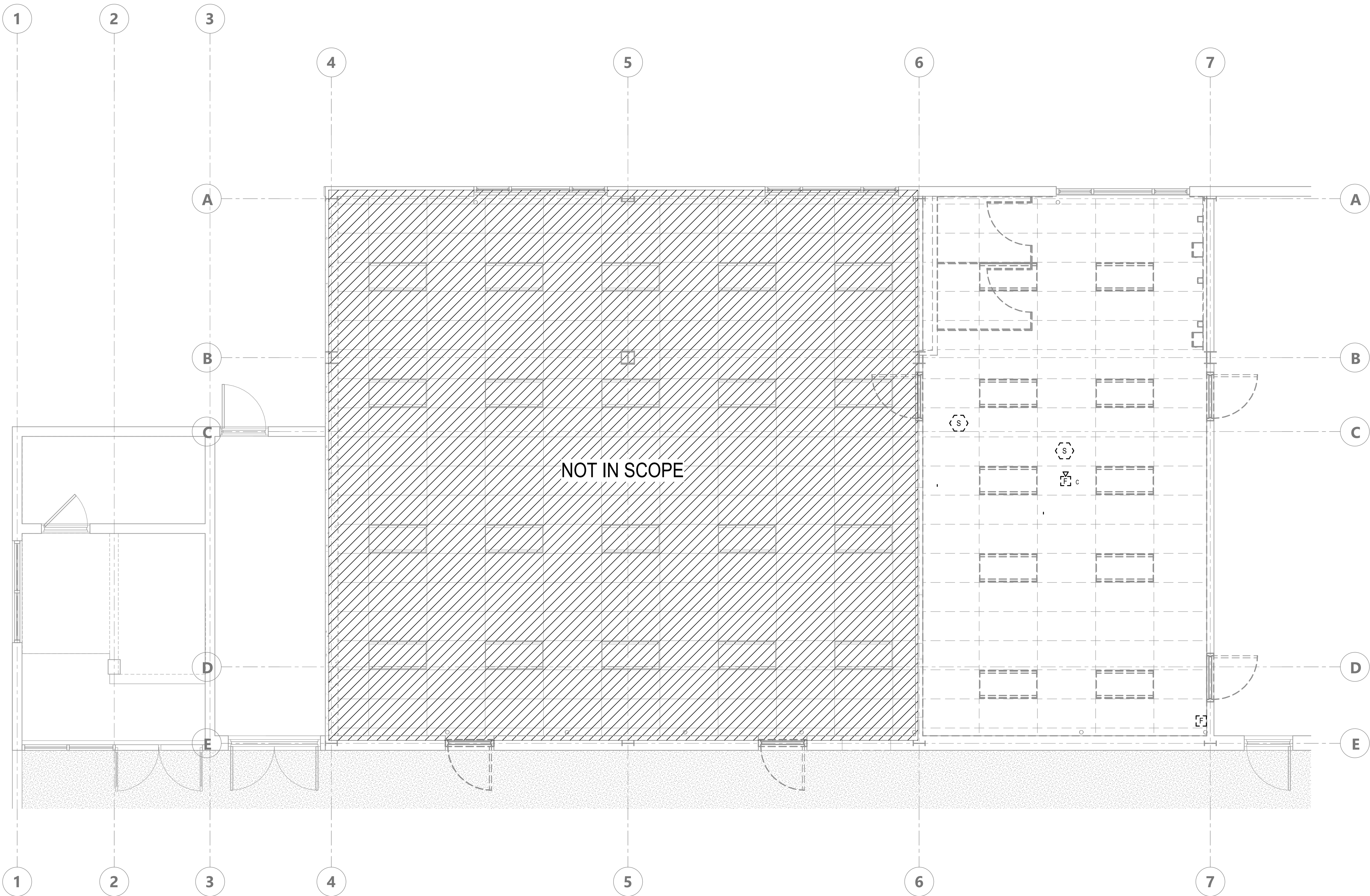
FA-003

PANEL (FIREFINDER XLS) BATTERY CALCULATION (SECONDARY POWER SOURCE REQUIREMENTS)												
PANEL COMPONENTS								STANDBY CURRENT		SECONDARY ALARM CURRENT		
								CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)	
QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)		
1	FIREFINDER XLS	ASSEMBLY FIRE ALARM CONTROL PANEL	0	0	0	0	0	0	0	0		
1	CAB-1	CAB-1 ENCLOSURE	0	0	0	0	0	0	0	0		
1	CC-5	CARD (5 SLOTS) FOR ALL CABLES BACKBOX, 2 POSITIONS	0	0	0	0	0	0	0	0		
1	DLC	INTERFERENCE FILTER (2 LOOPS/232 ADDRESSES TOTAL) ONE CARD SLOT	0	0	0	0	0	0	0	0		
1	ID-SP	INNER DOOR "SINGLE BLANK" PLATE (2 PER PACKAGE) MOUNTS TO CABREMBOX INNER DOORS	0	0	0	0	0	0	0	0		
1	PMI	CARD, PERSON MACHINE INTERFACE (PMI)	0.125	0.125	0.195	0.195	0.195	0.195	0.195	0.195		
1	PSC-12	12A@5400V POWER SUPPLY & 4 NAC ZONE CODED OR NON-CODED SYNC. OR NON SYNC STROBE, MT.LLL. RELEASING) IN EACH MAX. CLASS A OR B ONE CARD SLOT	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15		
1	ZIC-4A	4 NAC ZONE CODED OR NON-CODED SYNC. OR NON SYNC STROBE, MT.LLL. RELEASING) IN EACH MAX. CLASS A OR B ONE CARD SLOT	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0.089		
CIRCUIT	MAX CARD AMPS	USED CARD AMPS	SPARE CARD AMPS	SYMBOL	QTY	PART NO	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)	
EXISTING				N/A	1	EXISTING LOAD	EXISTING LOAD	0.58600	0.8860	4.67700	4.6770	
3	N/A	0.004750			5	FP-11 WDB-11	SMOKE DETECTOR W/8" BASE	0.00028	0.0014	0.00028	0.0014	
					1	FPT-11	FPT-11 THERMAL DETECTOR	0.00075	0.00075	0.00075	0.00075	
					2	HTRI-M	MINI SINGLE INPUT MODULE	0.0013	0.0026	0.0013	0.0026	
N1	N/A	0.278000		 (E)	1	EXISTING NAC LOAD (06A)		0	0	0.06	0.06	
				 C	4	SLSPSCR-F	SPK/ST.CLG.RED.FIRE 15CD	0	0	0.04	0.16	
				 C	1	SLSPSCR-F	SPK/ST.CLG.RED.FIRE 30CD	0	0	0.058	0.058	
S3	N/A	0.278000		 C	4	SLSPSCR-F	SPK/ST.CLG.RED.FIRE 0.125W	0	0	0	0	
				 C	1	SLSPSCR-F	SPK/ST.CLG.RED.FIRE 0.5W	0	0	0	0	
TOTAL STANDBY (A)								0.95475	TOTAL ALARM (A)		5.393750	
REQUIRED STANDBY TIME (HOURS)								24				
REQUIRED ALARM TIME (MINUTES)								15				
SECONDARY STANDBY LOAD (A)								0.95475	24			
SECONDARY ALARM LOAD (A)								5.393750	22.91			
STANDBY AND ALARM SUBTOTAL (AMP HOURS)								24				
DERATING FACTOR								1.25				
SECONDARY LOAD REQUIREMENTS (AMP HOURS)								30.33				
PROVIDE (2) 12V 36AH BATTERIES												
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.												

N1 POINT-TO-POINT REPORT					CURRENT SUMMARY					POWER SUMMARY				
					MAX. CIRCUIT CURRENT (A):	3	TOTAL CIRCUIT CURRENT (A):	0.278	STARTING CALC. VOLTAGE:	20.40	MAX. VOLTAGE DROP:	1.37		
							SPARE CIRCUIT CURRENT (A):	2.72			VOLTAGE DROP %:	6.73 %		
					MAX. CARD CURRENT (A):	n/a	SPARE CIRCUIT CURRENT %:	90.73 %	MIN. OPERATIONAL VOLTAGE:	16	END OF LINE VOLTAGE:	19.03		
							TOTAL CARD CURRENT (A):	0.278	WIRE RESISTANCE (DKFT):	3.07	TOTAL CIRCUIT LENGTH (FT):	945		
CIRCUIT WIRING PROPERTIES: Y 142 FPLPR NAC 14 AWG, 2 COND. SOLID COPPER FPLPR ANALOG UNSHIELDED					MAX. CARD CURRENT (A):	n/a	SPARE CARD CURRENT (A):		TOTAL CIRCUIT RESISTANCE (DI):	5.80				
DISTANCE MEASURED USING DRAWN SEGMENT LENGTHS WITH 10.00 % ADDITIONAL LENGTH CALCULATED														
DEVICE LABEL	PART NO	IS EXISTING	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	REMAINING ALARM CURRENT (A)	DISTANCE FROM PREVIOUS	RESISTANCE FROM PREVIOUS (DI)	VOLTAGE DROP FROM PREVIOUS	VOLTAGE AT DEVICE	TOTAL VOLTAGE DROP	VOLTAGE DROP PERCENT		
N1-01	2901-9838	YES	EXISTING FIRE HORN		0.06	0.278	44	0.267265	0.07	19.68	0.720	3.54 %		
N1-02	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE 15CD	15CD	0.04	0.218	450	2.76	0.60	19.07	1.33	6.50 %		
N1-03	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE 15CD	15CD	0.04	0.178	9	0.05321	0.01	19.07	1.33	6.54 %		
N1-04	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE 30CD	30CD	0.058	0.138	31	0.19803	0.03	19.04	1.36	6.67 %		
N1-05	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE 15CD	15CD	0.04	0.08	22	0.132821	0.01	19.03	1.37	6.72 %		
N1-06 EOL	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE 15CD	15CD	0.04	0.04	10	0.062784	0	19.03	1.37	6.73 %		
CALCULATION METHODS:														
RESISTANCE FROM PREVIOUS (DI) = WIRE RESISTANCE (DKFT) X 2 X DIST. FROM PREVIOUS (FT)														
VOLTAGE DROP FROM PREVIOUS = RESISTANCE FROM PREVIOUS (DI) X REMAINING CURRENT (A)														

S3 SPEAKER SCHEDULE						WATTAGE SUMMARY				POWER SUMMARY			
						MAX. CIRCUIT WATTS:	50	TOTAL CIRCUIT WATTS:	1	STARTING CALC. VOLTAGE:	70.70	MAX. VOLTAGE DROP:	0.12
CIRCUIT WIRING PROPERTIES: 'S' 162 FPLPR SPEAKER 16 AWG, 2 COND. SOLID COPPER FPLPR ANALOG SPEAKER						MAX. CARD WATTS:	n/a	SPARE CIRCUIT WATTS:	49	MIN. OPERATIONAL VOLTAGE:	60.10	VOLTAGE DROP %:	.17%
								SPARE CIRCUIT WATTS %:	98.00%			END OF LINE VOLTAGE:	70.58
DISTANCE MEASURED USING DRAWN SEGMENT LENGTHS WITH 10.00 % ADDITIONAL LENGTH CALCULATED						MAX. CARD WATTS:	n/a	SPARE CARD WATTS:		WIRE RESISTANCE (DKFT):	4.89	MAX. DB LOSS:	-0.015
								SPARE CARD WATTS %:				TOTAL CIRCUIT LENGTH (FT):	901
												TOTAL CIRCUIT RESISTANCE (Ω):	.881
DEVICE LABEL	PART NO	IS EXISTING	DESCRIPTION	WATTS	WATTS TO AMPS CONVERSION	REMAINING WATTS	DISTANCE FROM PREVIOUS	RESISTANCE FROM PREVIOUS (Ω)	VOLTAGE DROP FROM PREVIOUS	VOLTAGE AT DEVICE	TOTAL VOLTAGE DROP	DB LOSS FROM PREVIOUS	TOTAL DB LOSS
S3-01	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE	0.125	0.001768	1	450	4.40	0.06	70.59	0.11	-0.008	-0.014
S3-02	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE	0.125	0.001768	0.8750	9	0.084755	0	70.58	0.12	-0.000130	-0.014
S3-03	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE	0.5	0.007072	0.750	31	0.2995	0	70.58	0.12	-0.00040	-0.015
S3-04	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE	0.125	0.001768	0.25	22	0.211721	0	70.58	0.12	0.000	-0.015
S3-05 EOL	SLSPSCR-F	NO	SLSPSCR-F SPK/ST.CLG.RED.FIRE	0.125	0.001768	0.125	10	0.100004	0	70.58	0.12	0.000	-0.015
CALCULATION METHODS:													
WATTS TO AMPS CONVERSION = DEVICE WATTS / VOLTAGE													
RESISTANCE FROM PREVIOUS (Ω) = WIRE RESISTANCE (DKFT) X 2 X DIST. FROM PREVIOUS (FT)													
VOLTAGE DROP FROM PREVIOUS = RESISTANCE FROM PREVIOUS (Ω) X REMAINING CURRENT (A)													
DB LOSS FROM PREVIOUS = 20 * LOG (VOLTAGE AT PREVIOUS DEVICE / VOLTAGE AT DEVICE)													
MAX. DB LOSS = 20 * LOG (VOLTAGE AT LAST DEVICE / START VOLTAGE)													

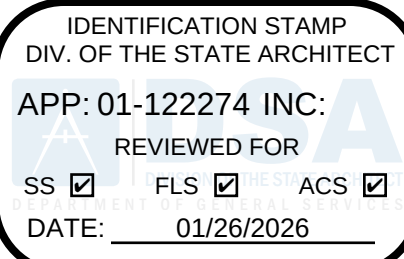
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DATE PLOTTED: 12/4/2025 9:58:25 AM



KEYNOTES:

1 FIRE ALARM BUILDING C DEMOLITION PLAN
FA-101 SCALE: 1/4" = 1'-0"

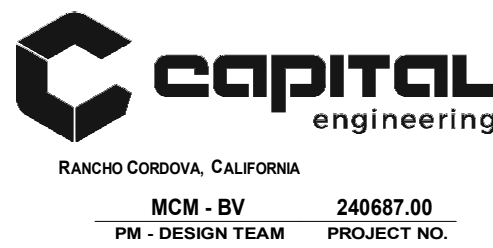
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SHEET TITLE
FIRE ALARM BUILDING C DEMOLITION PLAN

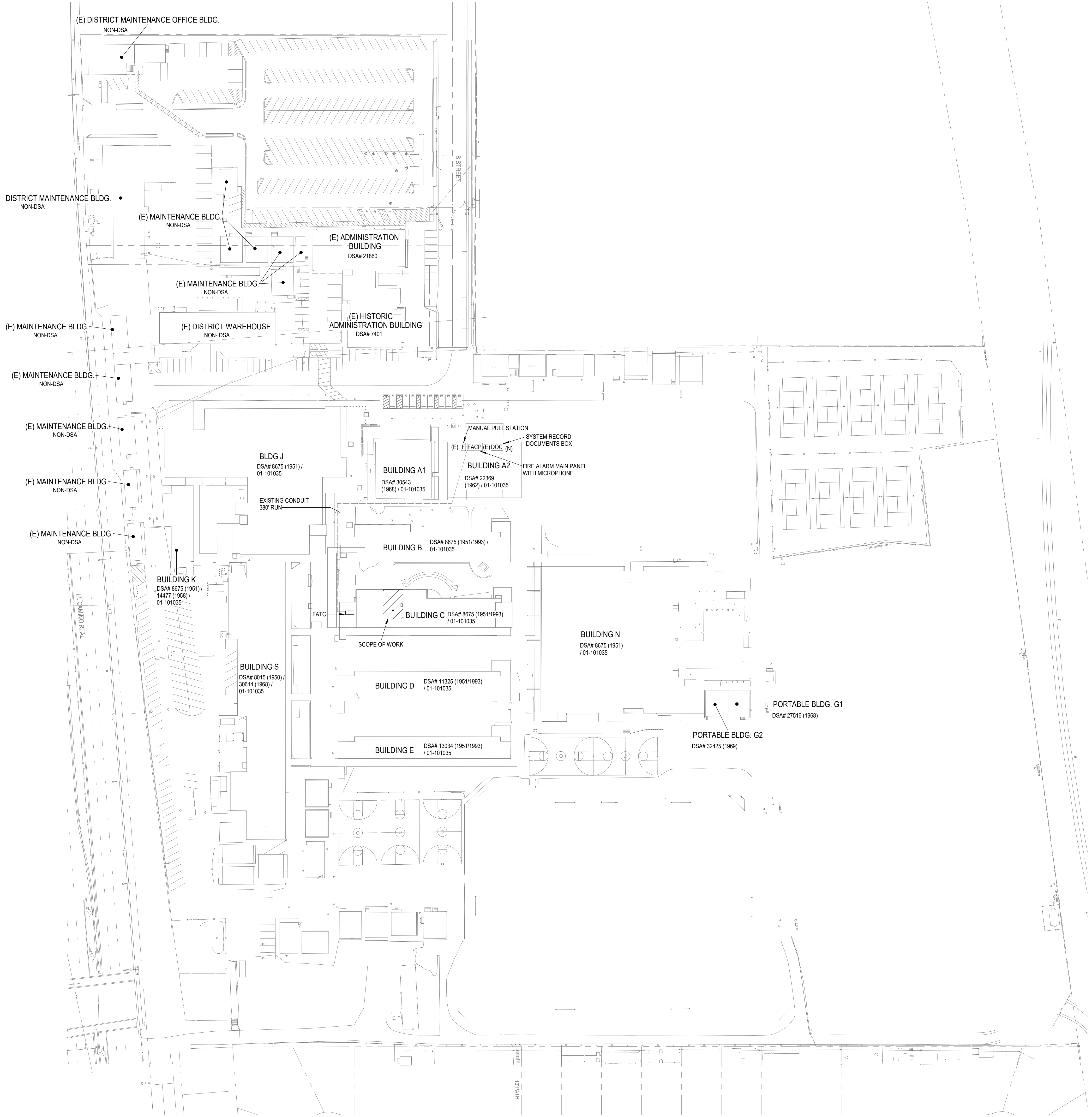
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DRAWN BY: Author JOB NUMBER: 24411.01

SHEET NO.

FA-101

CONSTRUCTION DOCUMENTS



1

FA-200

FIRE ALARM SITE PLAN

SCALE: 1" = 60'-0"

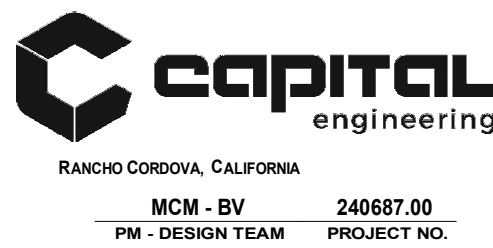
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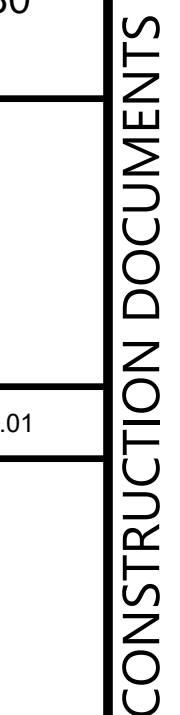
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FIRE ALARM SITE PLAN

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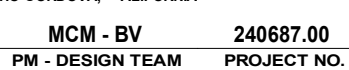
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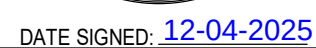
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MECHANICAL ENGINEER
CAPITAL ENGINEERING

ELECTRICAL ENGINEER

FIRE PROTECTION ENGINEER





NO	DATE	DESCRIPTION
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THE ABOVE TEST DOES NOT REPRESENT THAT THERE

PROJECT OWNER & TITLE

SCHOOL DISTRICT
300-B-07E

B-13, AND C-3 & C-4

FIRE ALARM BUILDING C

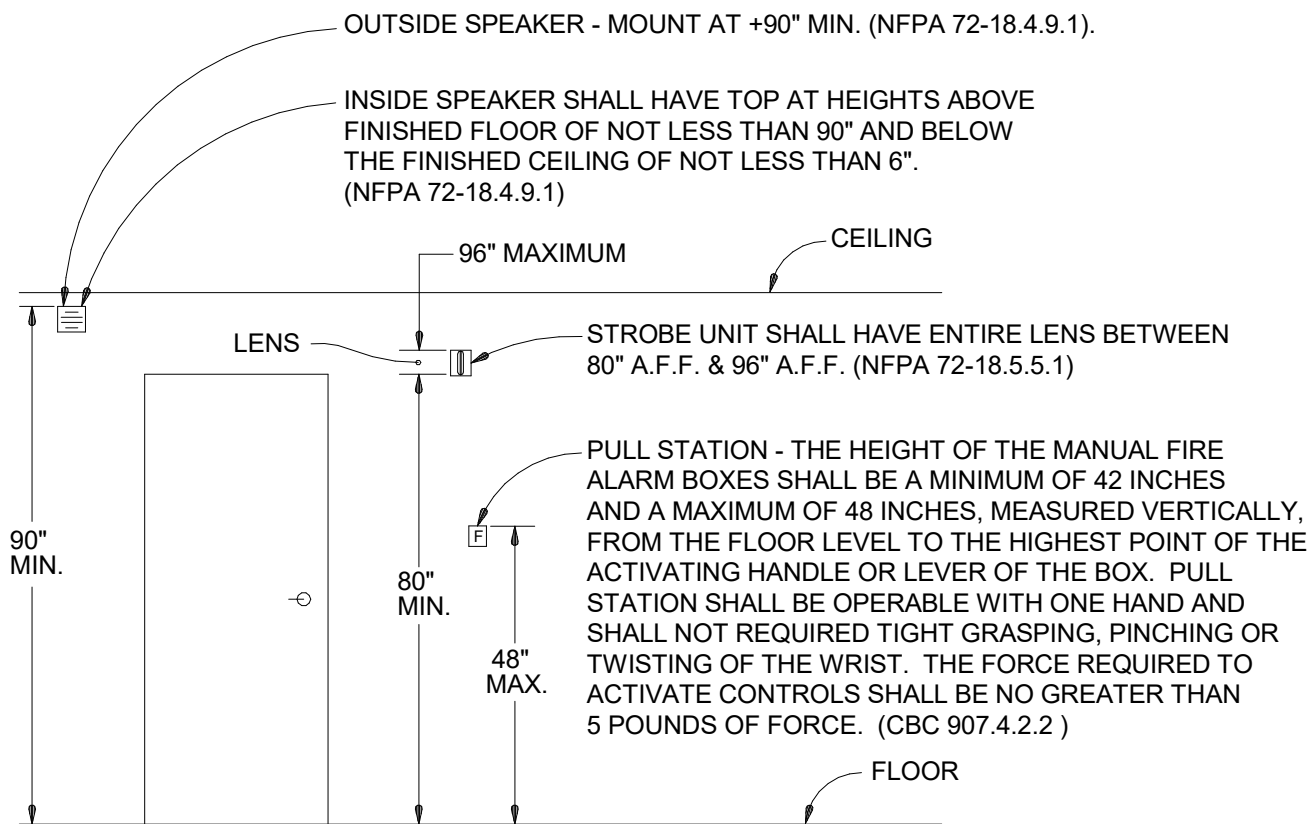
SHEET ISSUE DATE: 03/14/25

SHEET NO. _____

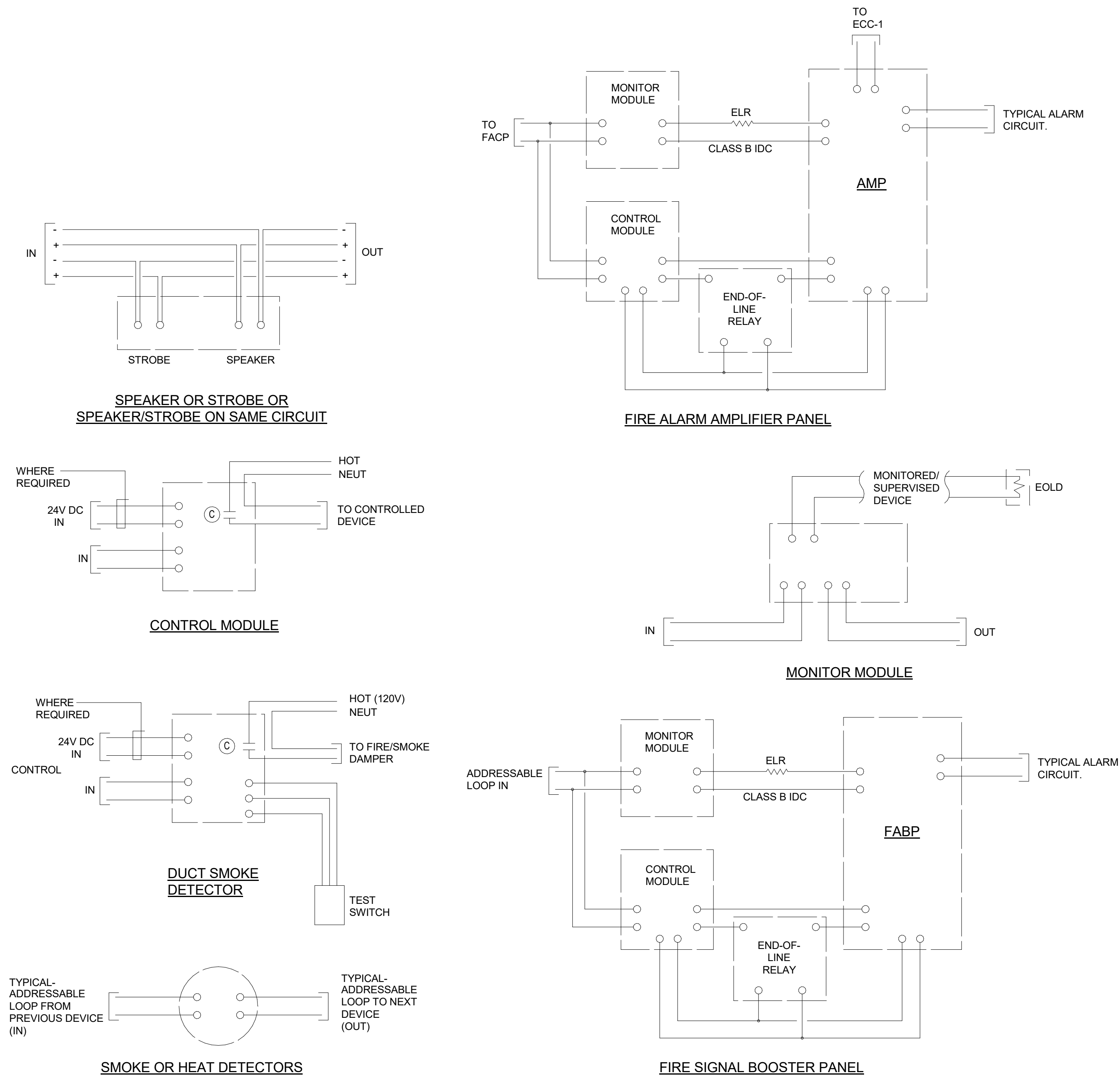
A. FOR CEILING CONDUIT MOUNT REFER TO SHEET S - 102/10, 14, 15



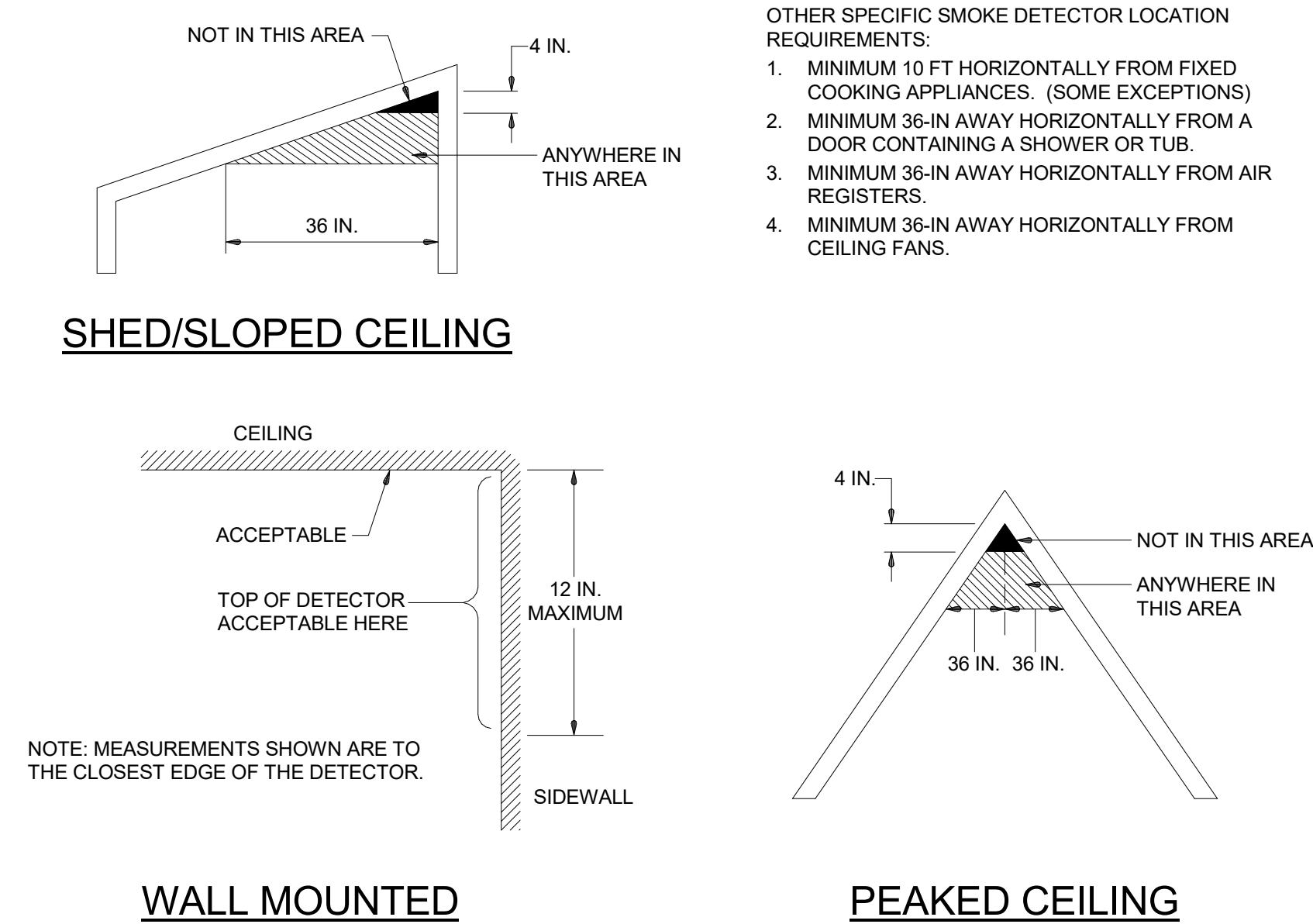
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DATE PLOTTED: 12/4/2025 3:27:05 PM



3
PULL STATION, STROBE, & SPEAKER UNIT ELEVATION
DETAIL
FA-301 SCALE: NONE



1
TYPICAL - FIRE ALARM DEVICES WIRING DIAGRAMS
FA-301 SCALE: NONE



2
SMOKE DETECTOR LOCATION REQ'S
FA-301 SCALE: NONE

AGENCY APPROVAL: DSA 01-122274

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122274 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 01/26/2026

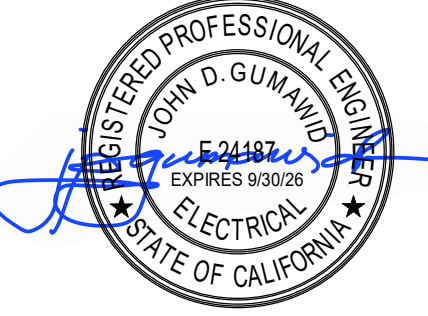
196

185 CLARA STREET, SUITE 101A
SAN FRANCISCO, CA 94107
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STRUCTURAL ENGINEER
1956 ARCHITECTS
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SANTA BARBARA CA 93101
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MECHANICAL ENGINEER
CAPITAL ENGINEERING
11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
TEL (916) 851-3500
ELECTRICAL ENGINEER
CAPITAL ENGINEERING
11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
TEL (916) 851-3500
FIRE PROTECTION ENGINEER
CAPITAL ENGINEERING
11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
TEL (916) 851-3500

capital
engineering
RANCHO CORDOVA, CALIFORNIA
MCM BV 240887.00
PM - DESIGN TEAM PROJECT NO.

PROFESSIONAL STAMP



REVISIONS			DATE SIGNED: 12-04-2025
ORIGINAL ISSUE DATE: 03/14/2025			
NO.	DATE	DESCRIPTION	

THE ARCHITECT DOES NOT REPRESENT THAT THESE PLANS OR THE SPECIFICATIONS ARE SUITABLE FOR ANY SITE OTHER THAN THE ONE FOR WHICH THEY WERE SPECIFICALLY PREPARED. THE ARCHITECT DISCLAIMS RESPONSIBILITY FOR THESE PLANS AND SPECIFICATIONS IF THEY ARE USED IN WHOLE OR IN PART AT ANY OTHER SITE. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.

PROJECT OWNER & TITLE
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B ST
SOUTH SAN FRANCISCO, CA 94080

SOUTH SAN FRANCISCO HS - ALTERATIONS TO ROOMS B-12 & B-13, AND C-3 & C-4
400 B STREET
SOUTH SAN FRANCISCO, CA 94080

SHEET TITLE
FIRE ALARM DETAILS

SHEET ISSUE DATE: 03/14/25
DRAWN BY: Author JOB NUMBER: 24411.01

SHEET NO.

FA-301

CONSTRUCTION DOCUMENTS