

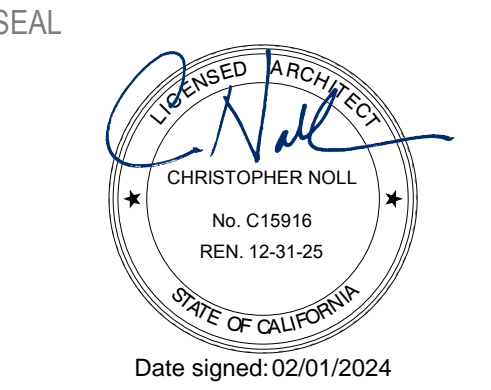
Healdsburg Library Refresh

139 PIPER ST
HEALDSBURG, CA 95448
SONOMA COUNTY - PERMIT SET - 04/30/2024

4/30/2024

NOLL & TAM
ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
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SEAL

APPROVALS

PROJECT TITLE

4/30/2024
Healdsburg Library Refresh

139 PIPER ST
HEALDSBURG, CA 95448

PERMIT SET

ISSUE DATE 04/30/2024

N&T JOB NUMBER 22212.00

REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

SHEET TITLE

COVER SHEET

SHEET NUMBER

G0.00

CODE COMPLIANCE

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2023*

ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES

2022	CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, C.C.R.
2022	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R. (2018 INTERNATIONAL BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA ELECTRIC CODE (CEC), PART 3, TITLE 24, C.C.R. (2017 NATIONAL ELECTRIC CODE AND 2019 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R. (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R. (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA ENERGY CODE (CENC), PART 6, TITLE 24, C.C.R.
2022	CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
2022	CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
2022	TITLE 19, C.C.R., REGULATIONS OF THE STATE FIRE MARSHAL
2022	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24, C.C.R.
2022	CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
2022	ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2022 CBC PART 2 CH 35) NOTE: CALIFORNIA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 14	STANDPIPE & HOSE SYSTEMS, 2013 EDITION (CA AMENDED)	2019 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20	STATIONARY FIRE PUMPS FOR FIRE PROTECTION	2016 EDITION
NFPA 22	WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS & APPURTANANCES (CA AMENDED)	2019 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2022 EDITION
NFPA 80	FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2018 EDITION
UL 300	FIRE TESTING OF FIRE EXTINGUISHING SYSTEM OR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 (R2010)
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPING SEATING AND GRANDSTANDS	2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80

SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

DEFERRED SUBMITTAL

SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

PROJECT SUMMARY

THE PROJECT IS AN INTERIOR RENOVATION OF AN EXISTING LIBRARY SPACE.

THE PROJECT SCOPE INCLUDES, BUT IS NOT LIMITED TO, MODIFICATIONS TO: NEW EXTERIOR WINDOWS AND BOOKDROPS, NEW INTERIOR WALLS, DOORS, GLAZING, AND FINISHES, COMPLIANCE WITH CURRENT LIFE SAFETY CODES, NEW INTERIOR LIGHTING IN THE TEEN ROOM AND CHILDREN'S LIBRARY, AND MODIFICATION TO BUILDING SYSTEMS (HVAC, ELECTRICAL, LIGHTING, TELECOMMUNICATIONS, PLUMBING, AND FIRE ALARM AND FIRE SPRINKLERS).

FIRE SPRINKLERS ARE DEFERRED APPROVAL IF 5 OR MORE HEADS ARE AFFECTED. SUBMITTAL PLANS TO FIRE DEPT FOR REVIEW, PERMIT AND INSPECTION. IF LESS THAN 5 HEADS ARE IMPACTED, INSPECTION REQUIRED ONLY AFTER CONSTRUCTION INSTALLATION. CONTRACTOR RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING SCOPE AND NEW WORK REQUIRED.

NEW FURNITURE AND SHELVING ARE NIC AND WILL BE CONTRACTED SEPARATELY. THEY ARE SHOWN FOR REFERENCE ONLY, AND REQUIRE COORDINATION WITH CONTRACTOR DURING CONSTRUCTION.

CONTRACTOR WILL BE RESPONSIBLE FOR PREPPING ALL AREAS FOR NEW SCOPE OF WORK INCLUDING PATCHING AND REPAIRING EXISTING CONDITIONS WHERE AFFECTED BY ANY AND ALL DEMOLITION WORK.

THE WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, SERVICES, PERMITS, TEMPORARY CONTROLS AND CONSTRUCTION FACILITIES, AND ALL GENERAL CONDITIONS, SEISMIC REQUIREMENTS, GENERAL REQUIREMENTS AND INCIDENTALS REQUIRED TO COMPLETE THE WORK ON THE PROJECT IN ITS ENTIRETY AS DESCRIBED IN THE CONTRACT DOCUMENTS.

LOCAL STREET MAP



Cost Estimator

mack5
1900 Powell Street Suite 470
Emeryville CA 94609
Tel: (510) 595-3020

Civil

CSW ST2
504 Redwood Blvd, Ste 310
Novato, CA 94947
Tel: (415) 883-9850

Electrical

O'Mahony & Myer Inc.
4339 Redwood Highway
Suite 245
San Rafael CA 94903
Tel: (415) 492-0420

Mechanical

Capital Engineering
1305 Marina Village Pkwy
Alameda CA 94501
Tel: (916) 851-3500

Structural

ZFA Structural Engineers
601 Montgomery St, Suite
1450
San Francisco CA 94111
Tel: (415) 243-4091

Architect

Noll & Tam Architects
729 Heinz Ave
Berkeley, CA 94710
Tel: 510.542.2200
Fax: 510.542.2201

Client

Sonoma County Library
6135 State Farm Drive
Rohnert Park, CA 94928
Tel: 707.545.0831

GENERAL NOTES

1. WORK SHALL MEET OR EXCEED THE MINIMUM STANDARDS OF APPLICABLE CODES AND ORDINANCES AND SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THOSE CODES.
2. CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
3. VERIFY ALL DIMENSIONS AND INSPECT CONDITION OF IN-PLACE CONSTRUCTION BEFORE STARTING WORK. PROCEEDING WITH THE WORK SHALL CONSTITUTE ACCEPTANCE OF CONDITIONS.
4. CONTRACTOR SHALL EXAMINE THE DOCUMENTS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
5. THE CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO VISIT AND INSPECT THE SITE PRIOR TO CONSTRUCTION OR ORDERING ANY MATERIALS.
6. ITEMS MARKED "NIC" ARE NOT IN CONTRACT. SUCH ITEMS ARE INCLUDED IN THE DOCUMENTS WHEN CONTRACTOR'S COORDINATION IS REQUIRED OR FOR CLARIFICATION OF PROJECT LIMITS.
7. DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL SIMILAR CASES, UON.
8. DIMENSIONS
 - a. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM THE DRAWINGS.
 - b. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO PROCEEDING WITH CONSTRUCTION.
 - c. ELEVATION MARKERS REFER TO THE TOP OF THE SLAB ON GRADE DATUM. FLOOR AND ROOF ELEVATIONS NOTED ARE TO TOP OF STRUCTURAL ASSEMBLY, UON. WALL HEIGHT ELEVATIONS ARE TO TOP OF FRAMING, UON.
 - d. STUD WALLS: ALL DIMENSIONS ARE TO THE FACE OF STUD, UON.
 - e. CEILING HEIGHT DIMENSIONS: ARE FROM FINISHED FLOOR TO FINISHED FACE OF CEILING, UON.
 - f. OPENINGS: DOOR DIMENSIONS ARE TO THE EDGE OF DOOR PANEL, UON. LOCATE UNDIMENSIONED DOORS 4" FROM FINISHED FACE OF INTERSECTING PARTITION TO HINGE EDGE OF DOOR PANEL.
 - g. ALL DIMENSIONS NOTED "CLEAR" OR "CLR" INDICATE DIMENSION FROM FACE OF FINISH TO FACE OF FINISH OR OBJECT, UON AND MUST BE STRICTLY MAINTAINED.
 - h. ALL DIMENSIONS NOTED "VERIFY" OR "VIF" ARE TO BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY VARIANCE FROM THE REQUIRED DIMENSIONS MUST BE BROUGHT IMMEDIATELY TO THE ARCHITECT'S ATTENTION.
 - i. COORDINATE WITH EQUIPMENT CONTRACTORS FOR ROUGH-IN DIMENSIONS AND TEMPLATES.
9. EXISTING BUILDING AND SITE DOCUMENTATION IS BASED ON AVAILABLE DOCUMENTATION PROVIDED BY THE OWNER AND LIMITED SITE OBSERVATION INVESTIGATIONS. AS BUILT CONDITIONS MAY VARY. CONTRACTOR IS TO USE CAUTION IN DEMOLITION AND IS TO NOTIFY ARCHITECT IMMEDIATELY IF ANY VARIATIONS OR DISCREPANCIES ARE UNCOVERED.
10. CONTRACTOR TO MAINTAIN SAFE & COMPLIANT EGRESS FROM OCCUPIED AREAS TO THE PUBLIC WAY OR TO SAFE DISPERSAL AREAS DURING CONSTRUCTION ACTIVITIES.
11. PROTECT EXISTING CONDITIONS TO REMAIN. CONFIRM W/ ARCHITECT AND/OR OWNERS REPRESENTATIVE ITEMS TO BE SALVAGED PRIOR TO START OF DEMOLITION.
12. PROTECT ALL (E) BUILDING & SITE INFRASTRUCTURE TO REMAIN.
13. THE DRAWINGS INDICATE THE GENERAL EXTENT OF CONSTRUCTION NECESSARY FOR THE WORK BUT ARE NOT INTENDED TO BE ALL-INCLUSIVE. ALL DEMO AND NEW WORK NECESSARY FOR A COMPLETED PROJECT IN ACCORDANCE W/ THE CONTRACT DOCUMENTS SHALL BE INCLUDED REGARDLESS OF WHETHER OR NOT SHOWN IN THE CONTRACT DOCUMENTS. THE INTEGRITY AND CONTINUITY OF ALL EXISTING FIRE, THERMAL, ACOUSTIC, & WEATHER BARRIER ASSEMBLIES IS TO BE STRICTLY MAINTAINED. SELECTIVE REMOVAL, REPLACEMENT, PATCHING & REPAIR SHALL BE PROVIDED TO MAINTAIN INTEGRITY OF EXISTING ASSEMBLIES AND FINISHES TO MATCH EXISTING ADJACENT ASSEMBLIES AND FINISHES.
14. PROVIDE TEMPORARY BARRIERS FOR SAFETY, SECURITY & CLEANLINESS
15. SCOPE AND ITEMS NOT NOTED AS (E) OR EXISTING SHALL BE CONSIDERED AS NEW AND PROVIDED AS NEW WORK.

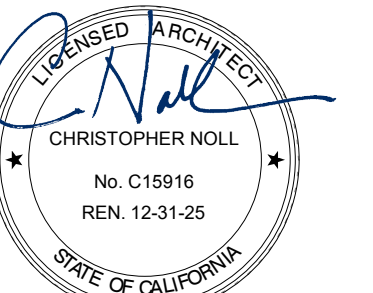
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NOLL & TAM ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
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SEAL



Date signed: 02/01/2024

APPROVALS

PROJECT TITLE

**4/30/2024
Healdsburg
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ISSUE DATE **04/30/2024**

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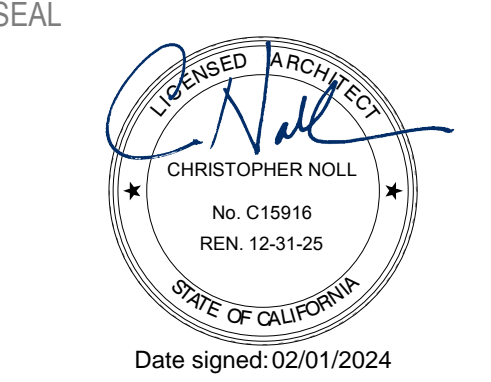
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SHEET TITLE

GENERAL NOTES / SHEET INDEX

SHEET NUMBER

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SHEET TITLE
ACCESSIBILITY COMPLIANCE- SITE PLAN

SHEET NUMBER

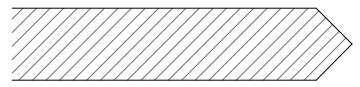

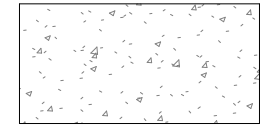
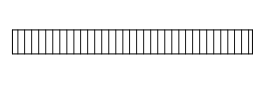
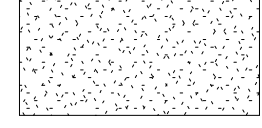
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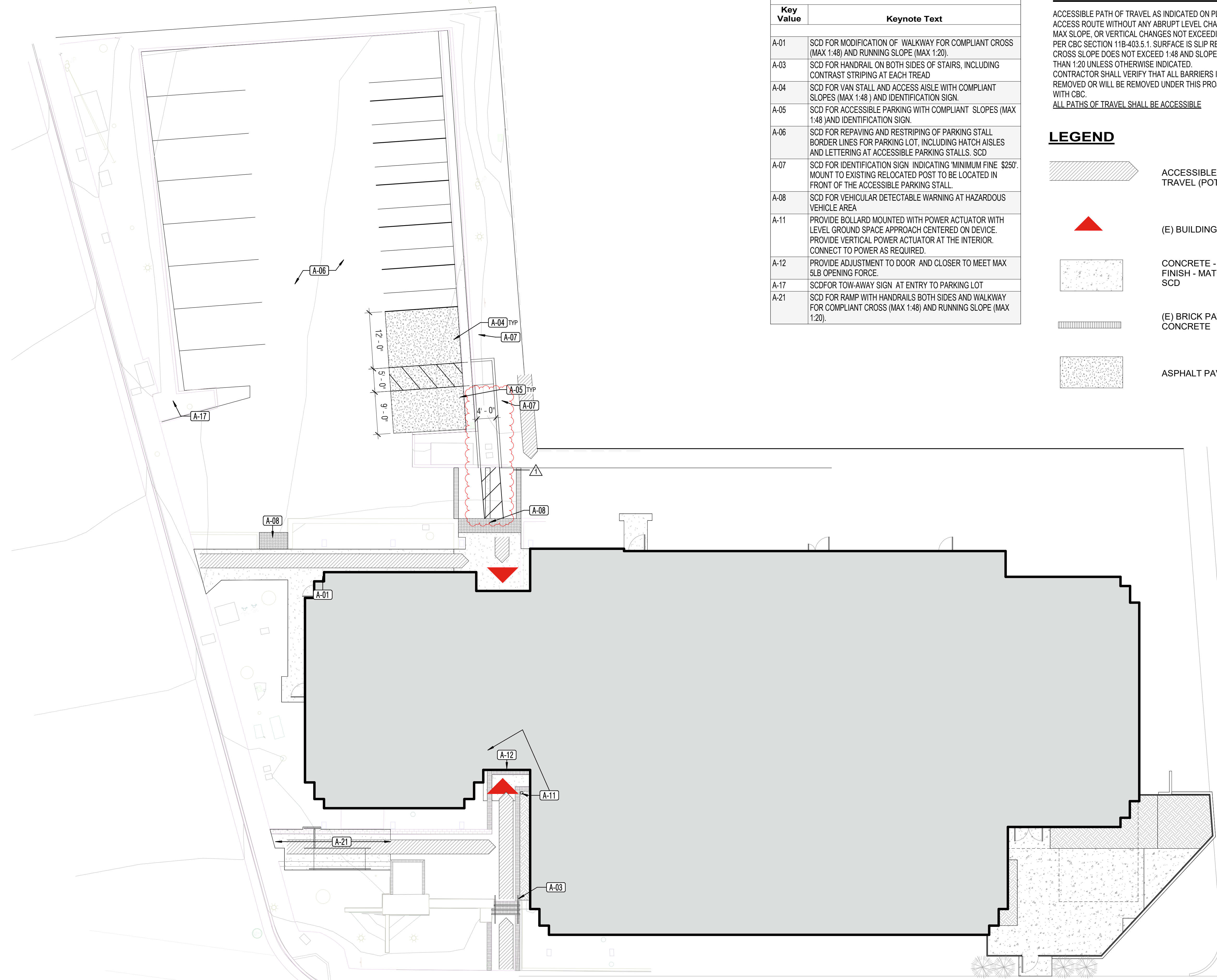
KEYNOTE LEGEND	
Key Value	Keynote Text
A-01	SCD FOR MODIFICATION OF WALKWAY FOR COMPLIANT CROSS (MAX 1:48) AND RUNNING SLOPE (MAX 1:20).
A-03	SCD FOR HANDRAIL ON BOTH SIDES OF STAIRS, INCLUDING CONTRAST STRIPING AT EACH TREAD
A-04	SCD FOR VAN STALL AND ACCESS AISLE WITH COMPLIANT SLOPES (MAX 1:48) AND IDENTIFICATION SIGN.
A-05	SCD FOR ACCESSIBLE PARKING WITH COMPLIANT SLOPES (MAX 1:48)AND IDENTIFICATION SIGN.
A-06	SCD FOR REPAVING AND RESTRIPING OF PARKING STALL BORDER LINES FOR PARKING LOT, INCLUDING HATCH AISLES AND LETTERING AT ACCESSIBLE PARKING STALLS. SCD
A-07	SCD FOR IDENTIFICATION SIGN INDICATING 'MINIMUM FINE \$250'. MOUNT TO EXISTING RELOCATED POST TO BE LOCATED IN FRONT OF THE ACCESSIBLE PARKING STALL.
A-08	SCD FOR VEHICULAR DETECTABLE WARNING AT HAZARDOUS VEHICLE AREA
A-11	PROVIDE BOLLARD MOUNTED WITH POWER ACTUATOR WITH LEVEL GROUND SPACE APPROACH CENTERED ON DEVICE. PROVIDE VERTICAL POWER ACTUATOR AT THE INTERIOR. CONNECT TO POWER AS REQUIRED.
A-12	PROVIDE ADJUSTMENT TO DOOR AND CLOSER TO MEET MAX 5LB OPENING FORCE.
A-17	SCDFOR TOW-AWAY SIGN AT ENTRY TO PARKING LOT
A-21	SCD FOR RAMP WITH HANDRAILS BOTH SIDES AND WALKWAY FOR COMPLIANT CROSS (MAX 1:48) AND RUNNING SLOPE (MAX 1:20).

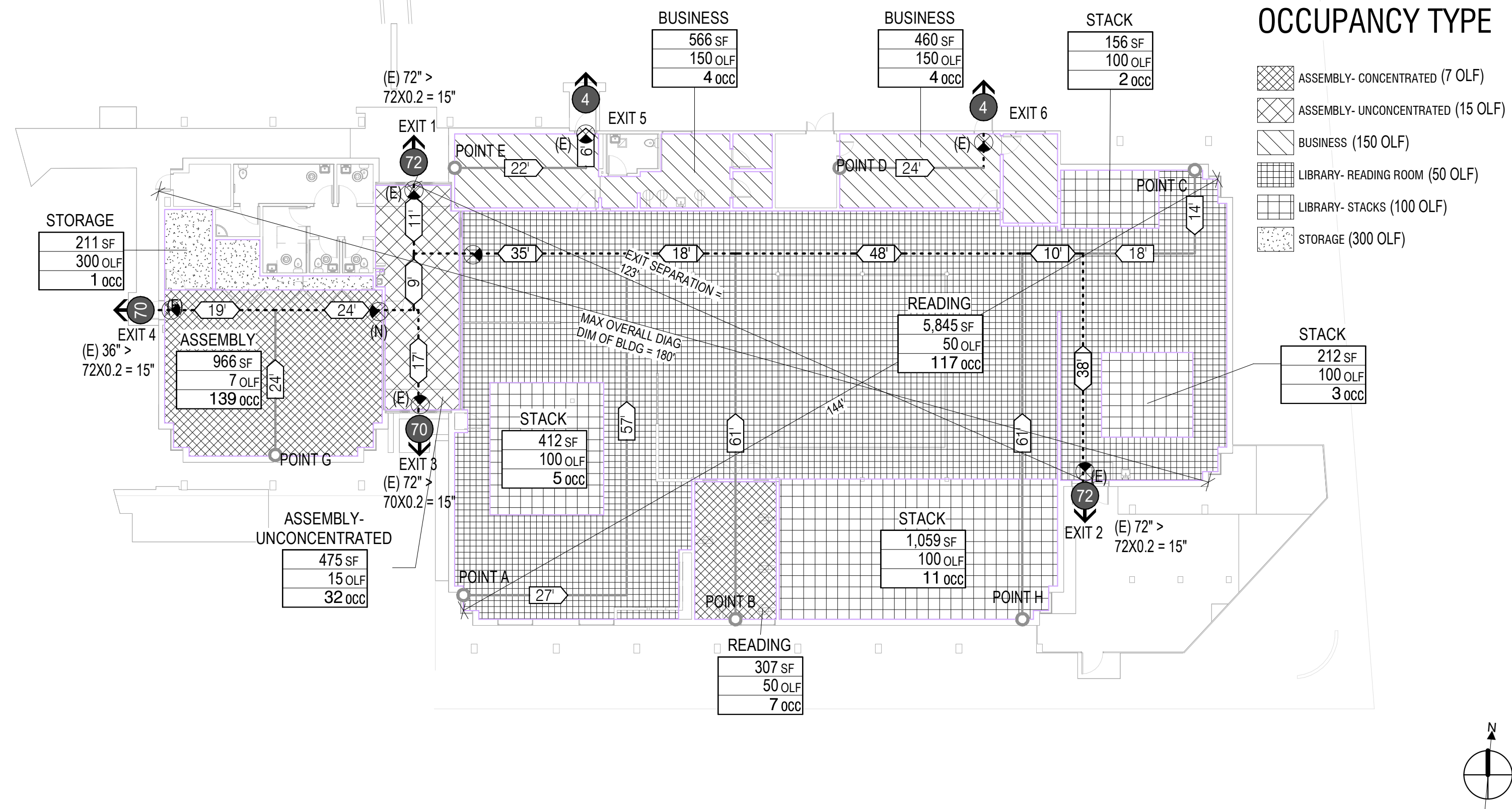
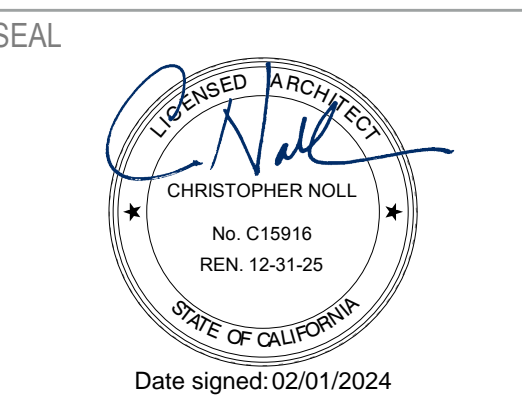
ACCESSIBLE PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A CONTINUOUS, BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX SLOPE, OR VERTICAL CHANGES NOT EXCEEDING 1/4" MAX AND AT LEAST 44" WIDE PER CBC SECTION 11B-403.5.1. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 1:20 UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC. ALL PATHS OF TRAVEL SHALL BE ACCESSIBLE

LEGEND

-  ACCESSIBLE ROUTE OF TRAVEL (POT)
-  (E) BUILDING MAIN ENTRANCE
-  CONCRETE - AGGREGATE FINISH - MATCH EXISTING, SCD
-  (E) BRICK PAVERS OVER CONCRETE
-  ASPHALT PAVING, SCD





1 OCCUPANCY & EXIT PLAN
G1.31 1/16" = 1'-0"

AREA SCHEDULE - OCCUPANT LOAD					
Name	OCC Group Description	OCC Group	Area	OCC Load Factor	Total Occupants
01 - FLOOR					
READING	ASSEMBLY- CONCENTRATED	A-2	307 SF	50 SF	7
LOBBY	ASSEMBLY- UNCONCENTRATED	A-3	475 SF	15 SF	32
ASSEMBLY	ASSEMBLY- CONCENTRATED	A-3 7	966 SF	7 SF	139
READING	LIBRARY- READING ROOM	A-3 50	5845 SF	50 SF	117
STACK	LIBRARY- STACKS	A-3S	1838 SF	100 SF	21
STAFF AREAS	BUSINESS	B	1026 SF	150 SF	8
STORAGE	STORAGE	S	211 SF	300 SF	1
			10669 SF		325

CODE SUMMARY - CBC 2022

Project Number:	Project:	Last Updated:
22212	HEALDSBURG LIBRARY REFRESH	1/31/2023
PROJECT INFORMATION		
Address	139 PIPER ST, HEALDSBURG, CA 95448	
Lot Dimensions		
Lot Size	0.66 ACRES (EST)	
Occupancy/Use	A-3/LIBRARY	
# of Stories	1 story < A-3 Occupancy with V-B: 2 story max	
Building Height	25'-0" < A Occupancy with V-B : 60'-0" ft max	
Building Area	11,700 SF < A-3 Occupancy with V-B: S1: 24,000 max SF	
Construction Type	V-B	
Sprinklers	Automatic sprinklers throughout	
Seismic Category	Table 1604.5, Risk Category II, Site Class: D	
Zoning	P:Public	
	Comments	

SYMBOL LEGEND

- ASSEMBLY- UNCONCENTRATED → OCCUPANCY TYPE DESCRIPTION
- 4,000 SF → TOTAL ROOM AREA IN SQUARE FEET
- 200 OLF → OCCUPANT LOAD FACTOR PER CBC TABLE 1004.5
- 20 OCC → TOTAL OCCUPANT LOAD
- 13' → COMMON PATH OF EGRESS TRAVEL PER CBC TABLE 1006.2.1
- 13' → EXIT ACCESS TRAVEL DISTANCE PER CBC TABLE 1017.2

- EXIT OR EXIT ACCESS, W/ OCCUPANT COUNT
- NUMBER OF OCCUPANTS EXITING A SPACE
- ILLUMINATED EXIT SIGN

PLUMBING FIXTURE COUNT

PLUMBING FIXTURE COUNT WILL NOT BE REDUCED. THE 2022 CPC TABLE 422.1 MINIMUM PLUMBING FACILITIES DOESNT APPLY TO THIS EXISTING BUILDING SINCE PROJECT DOES NOT HAVE ADDITION, WHEREBY NO INCREASE IN OCCUPANT LOAD.

EXISTING PLUMBING FIXTURE COUNTS:
 (E) MALE WC FIXTURES: 1
 (E) MALE URINAL FIXTURE: 1
 (E) FEMALE WC FIXTURES: 2
 (E) MALE LAVATORY: 2
 (E) FEMALE LAVATORY: 2
 (E) DRINKING FOUNTAIN: 1

NEW PLUMBING FIXTURE COUNTS:
 GENDER NEUTRAL WC FIXTURES: 5
 GENDER NEUTRAL LAVATORY: 5
 DRINKING FOUNTAIN: 2 (HI-LO WITH BOTTLE FILLER)

EXIT CALCULATIONS

MAX TRAVEL DISTANCE PER TABLE 1017.2, OCCUPANCY A IS 250' WITH FIRE SPRINKLERS
 POINT A '130' < 250'
 POINT B '157' < 250'
 POINT C '70' < 250'
 POINT G '65' < 250'
 POINT H '109' < 250'

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CODE OCCUPANCY & EXIT PLAN, PLUMBING CALCULATIONS

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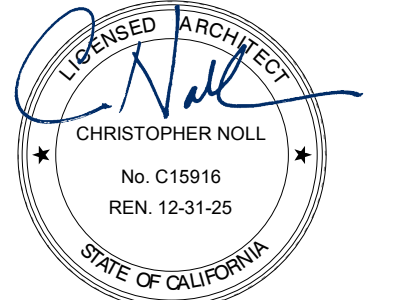
G1.31

Table with 7 columns: DIVISION, Mandatory, Description, CODE SECTION, Y, N/A, O, Plan sheet, Spec or Attach Reference, Explanation. Includes sections for Material Conservation and Resource Efficiency, CHAPTER 5 DIVISIONS, and Environmental Quality.

Documentation Author's /Responsible Designer's Declaration Statement. Mandatory: I attest that this mandatory provisions checklist is accurate and complete. Signature: Chris Noll. Company: Noll & Tam Architects. Date: 01/29/2024. Address: 729 Heinz Ave, Ste #7. License: C15916. City/State/Zip: Berkeley CA, 94710. Phone Number: (510) 542-2211.

CALGreen - NONRESIDENTIAL MANDATORY MEASURES CHECKLIST. STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES - BUILDING STANDARDS COMMISSION. Includes provisions of Title 24 Part 11 (CalGreen) - Chapter 5 Nonresidential Mandatory Measures. Table with 7 columns: DIVISION, Mandatory, Description, CODE SECTION, Y, N/A, O, SHEET, SPEC, OR OTHER REFERENCE, COMMENTS.

SEAL



Date signed: 02/01/2024

APPROVALS

PROJECT TITLE

4/30/2024 Healdsburg Library Refresh

139 PIPER ST HEALDSBURG, CA 95448

PERMIT SET

ISSUE DATE 04/30/2024

N&T JOB NUMBER 22212.00

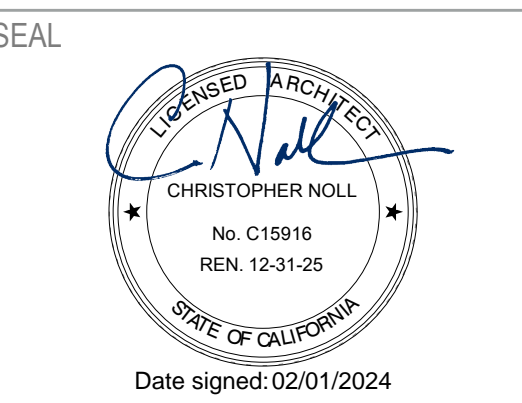
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SHEET TITLE

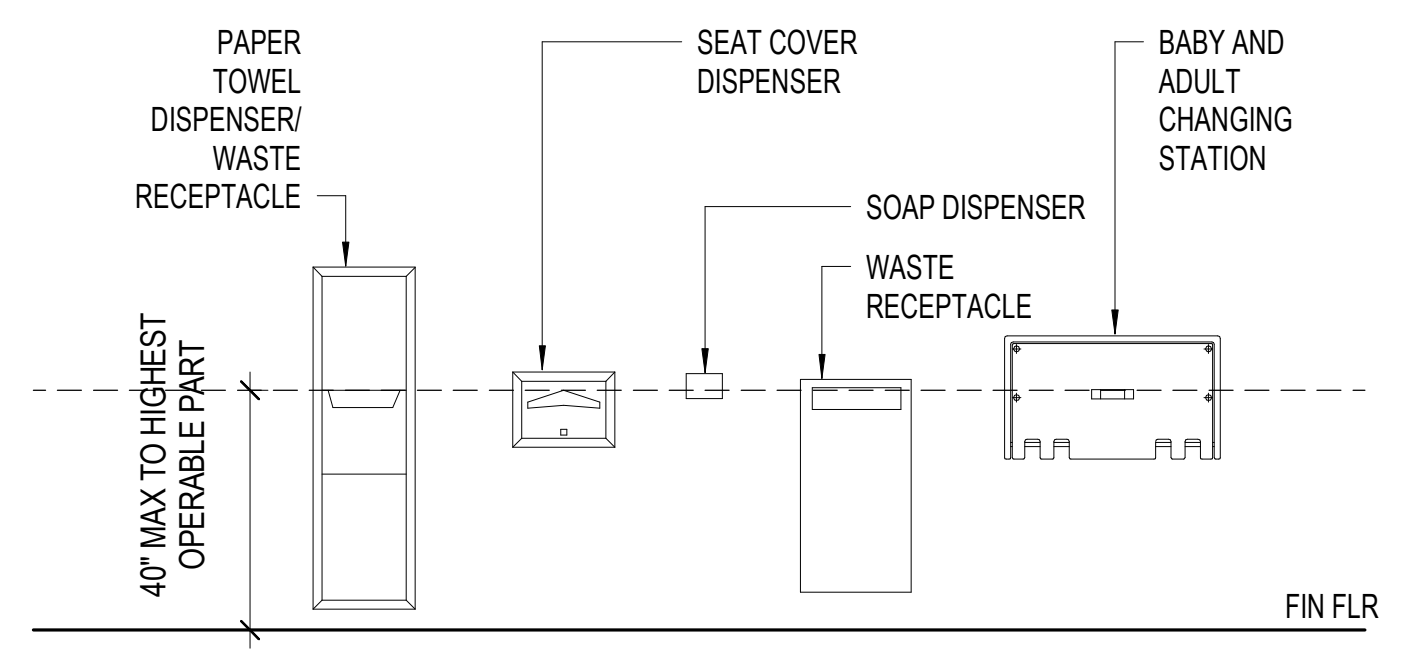
CALGREEN

SHEET NUMBER

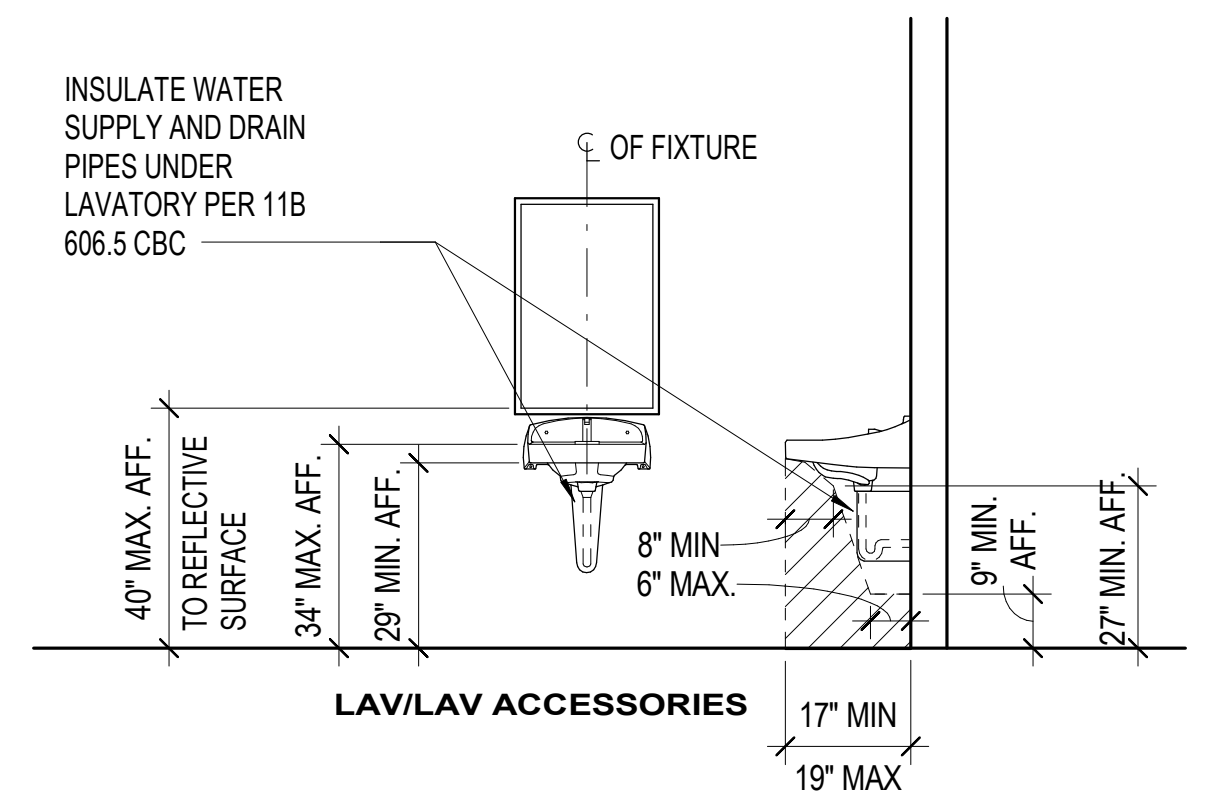
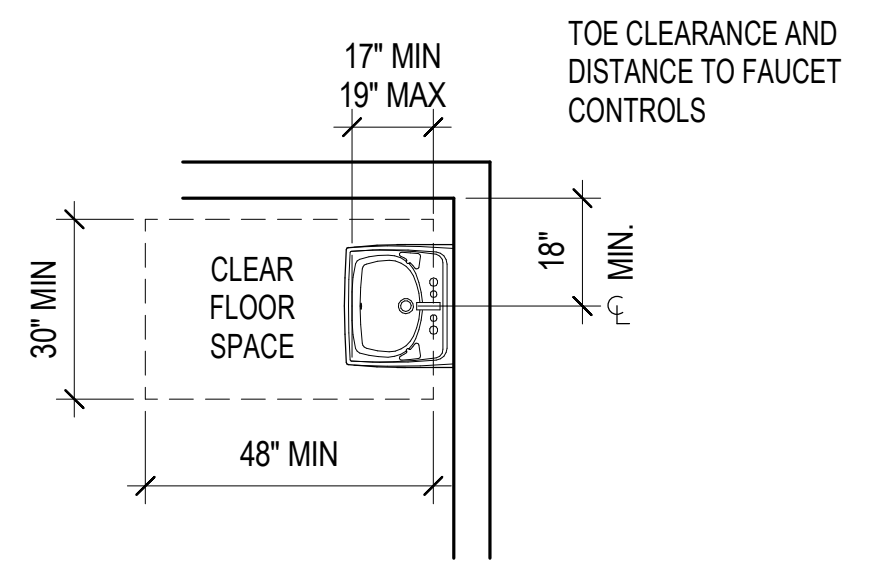
G2.11



- NOTE:**
1. DRINKING FOUNTAIN SHALL BE A 18" MIN, 19" MAX IN DEPTH, WITH A CLEAR AND UNOBSTRUCTED KNEE SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27" IN HEIGHT AND 8" IN DEPTH FROM THE EDGE OF THE FOUNTAIN.
 2. THE BUBBLER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM NOT REQUIRING A FORCE GREATER THAN 5 POUNDS THAT IS LOCATED WITHIN 6" OF THE FRONT EDGE OF THE FOUNTAIN OR AN ELECTRONICALLY CONTROLLED DEVICE.
 3. THE BUBBLER ORIFICE SHALL BE LOCATED WITHIN 5" OF THE FRONT EDGE OF THE FOUNTAIN AND WITHIN 36" OF THE FLOOR.
 4. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH AS TO ALLOW THE INSERTION OF A CUP OR GLASS UNDER THE FLOW OF WATER.
 5. WHEN USED, WING WALL OR BARRIERS SHALL PROJECT HORIZ AT LEAST AS FAR AS THE DRINKING FOUNTAIN, AND TO WITHIN 6" VERT FROM THE FLOOR/GROUND.

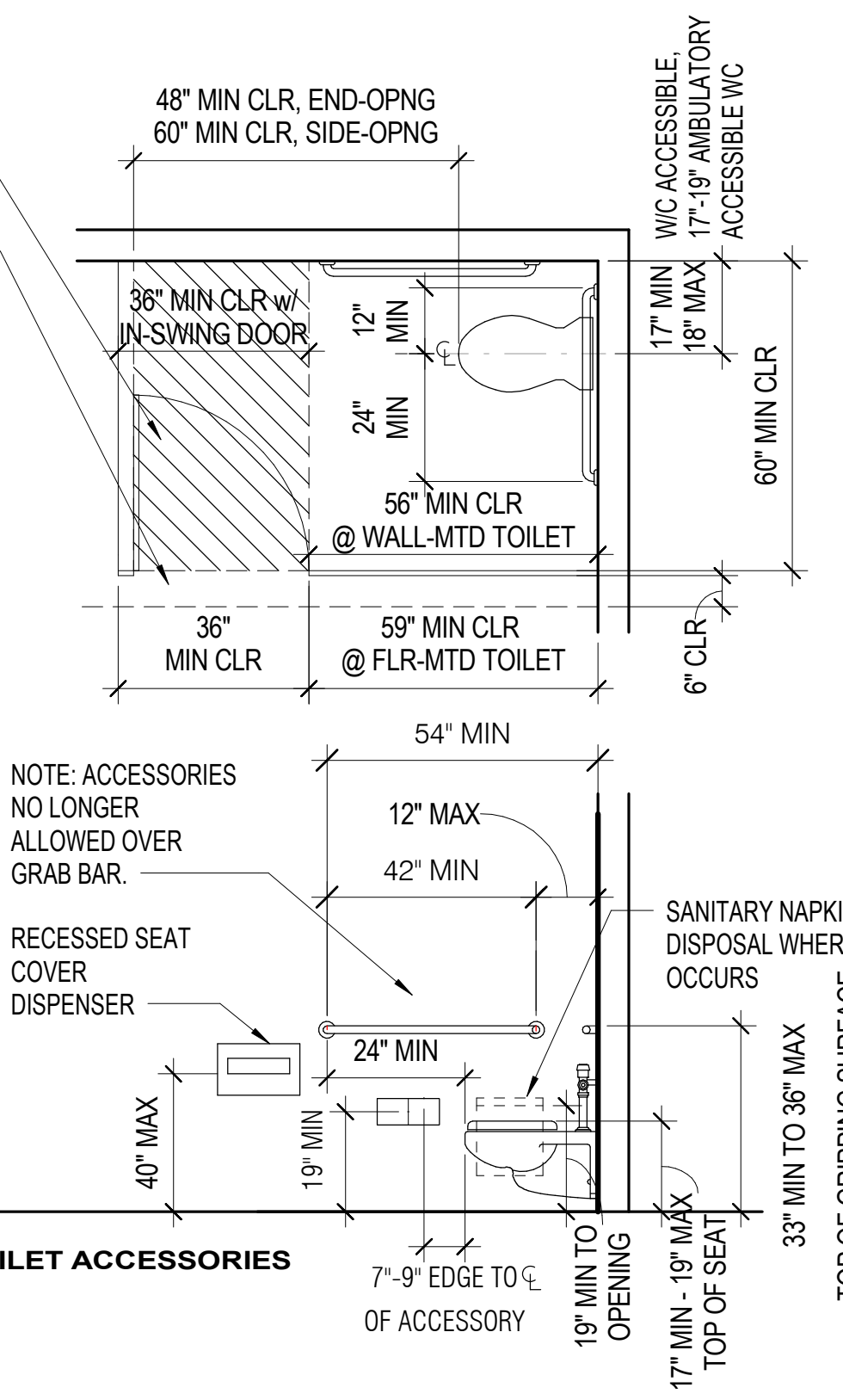


- NOTE:**
1. LAVATORY FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS.
 2. IF MIRROR IS NOT OVER A COUNTER OR LAVATORY THEN 35" MAX AFF TO BOTTOM OF REFLECTIVE SURFACE

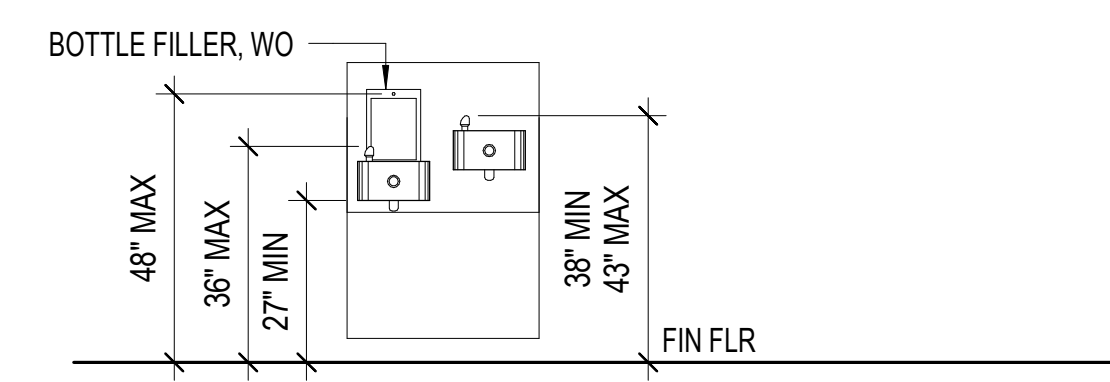
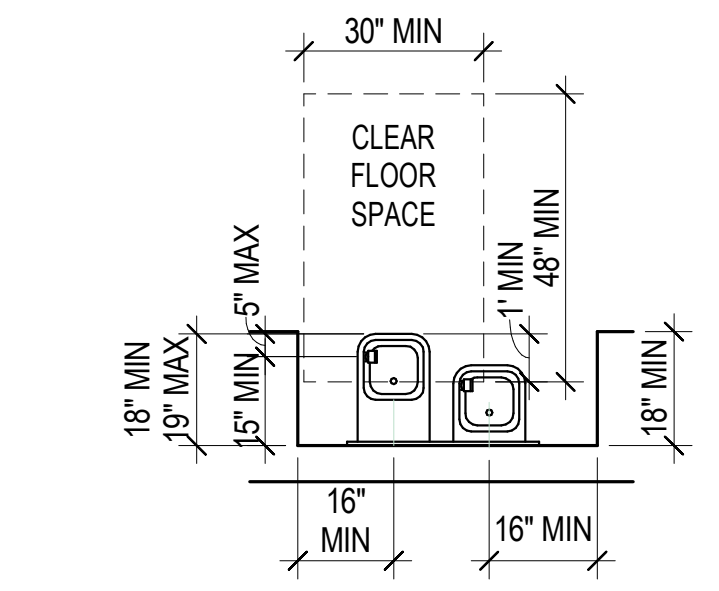


TOILET ROOM MOUNTING HTS AND CLEARANCES (REFERENCE)
1 G3.21 3/8" = 1'-0"

- NOTE:**
1. FLUSH VALVE ON WIDE SIDE OF TOILET.
 2. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS.
 3. GRAB BAR SHALL HAVE GRIPPING SURFACES WITH AN OUTSIDE DIAMETER OF 1 1/4" TO 1 1/2" LOCATED WITH A SPACE BETWEEN THE WALL AND GRAB BAR OF 1 1/2".
 4. TOILET PAPER DISPENSER SHALL BE BELOW GRAB BAR.
 5. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS FLOW.
 6. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2" MIN CLR. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2" MIN CLR. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES MIN CLR.

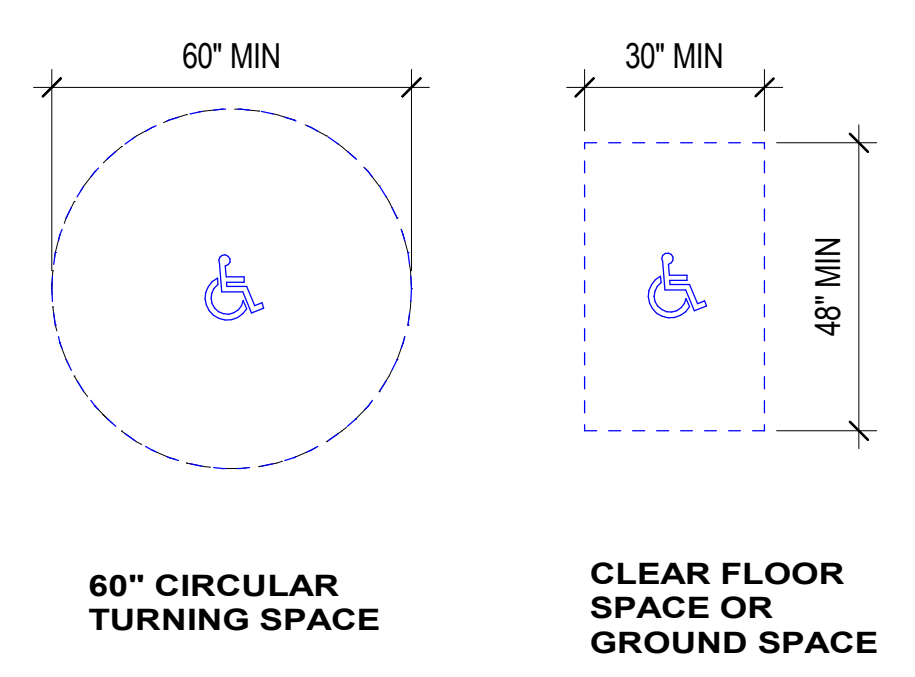


TOILET/TOILET ACCESSORIES

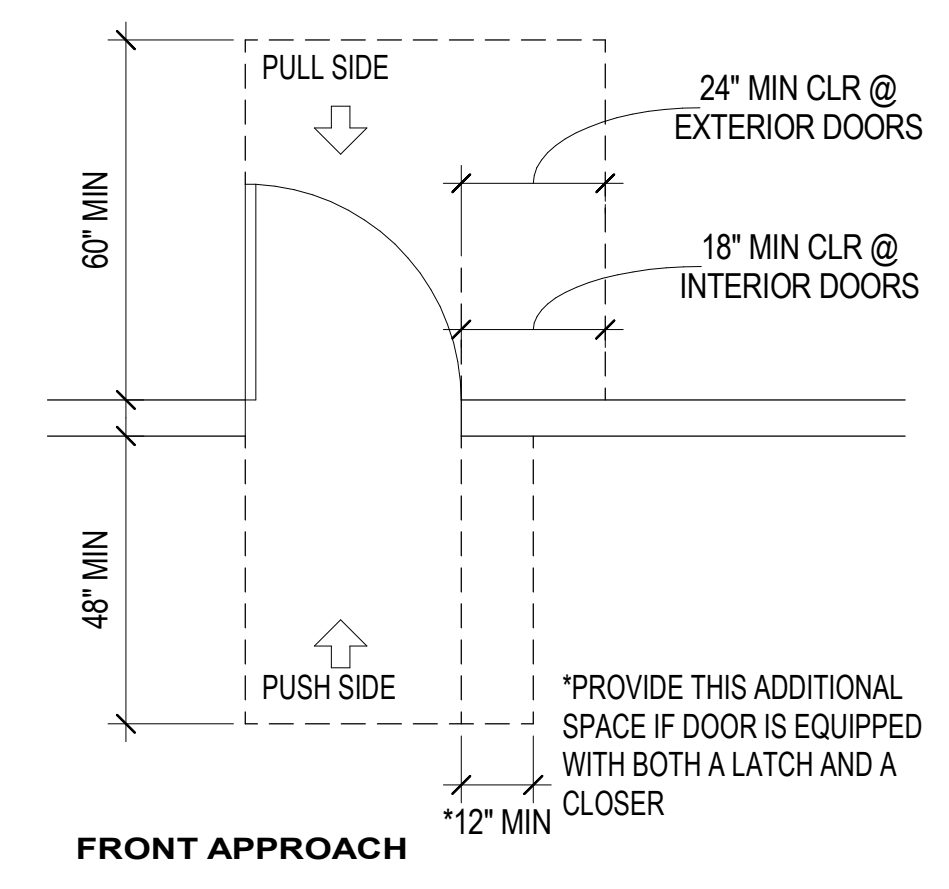


ACCESSIBLE DRINKING FOUNTAIN OR ELECTRIC WATER COOLER
STANDING DRINKING FOUNTAIN OR ELECTRIC WATER COOLER

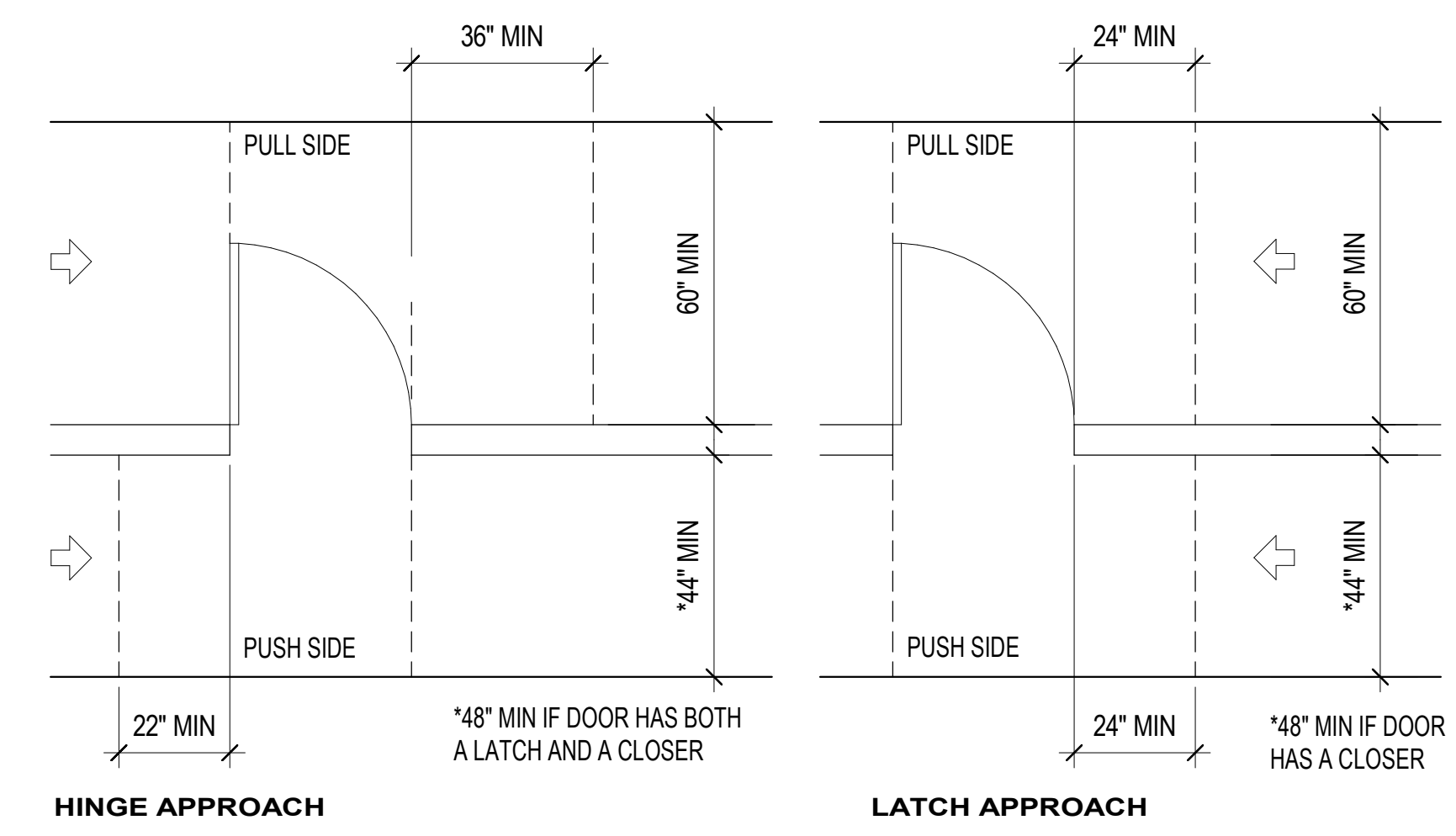
2 DRINKING FOUNTAIN HT & CLEARANCES (REFERENCE)
G3.21 3/8" = 1'-0"



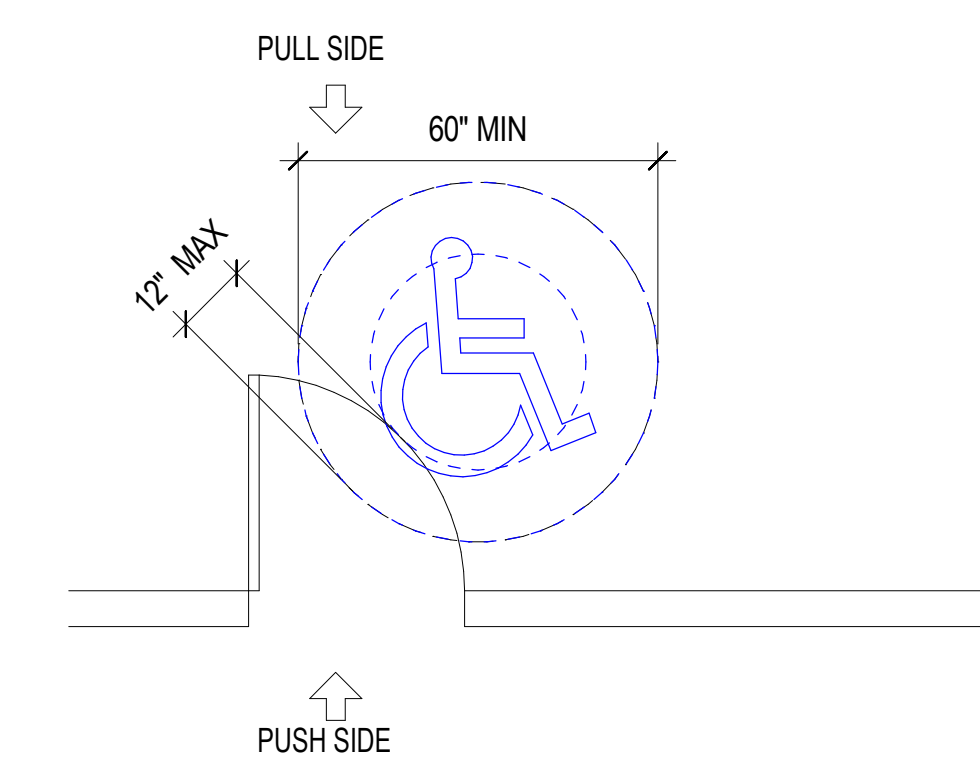
3 ACCESSIBLE CLEARANCES (REFERENCE)
G3.21 3/8" = 1'-0"



4 LEVEL MANEUVERING CLEARANCES AT DOORS (REFERENCE)
G3.21 3/8" = 1'-0"



- NOTE:**
1. LEVEL IS DEFINED AS 2% IN ANY DIRECTION.
 2. ALL DOORS REQUIRING FULL USER PASSAGE MUST BE 3'-0" x 6'-8" MIN OR HUNG TO PROVIDE 32" MIN.
 3. SYMBOL DENOTING "CLEAR DIRECTION OF APPROACH"



5 DOOR SWING ENCROACHMENT (REFERENCE)
G3.21 3/8" = 1'-0"

APPROVALS

PROJECT TITLE

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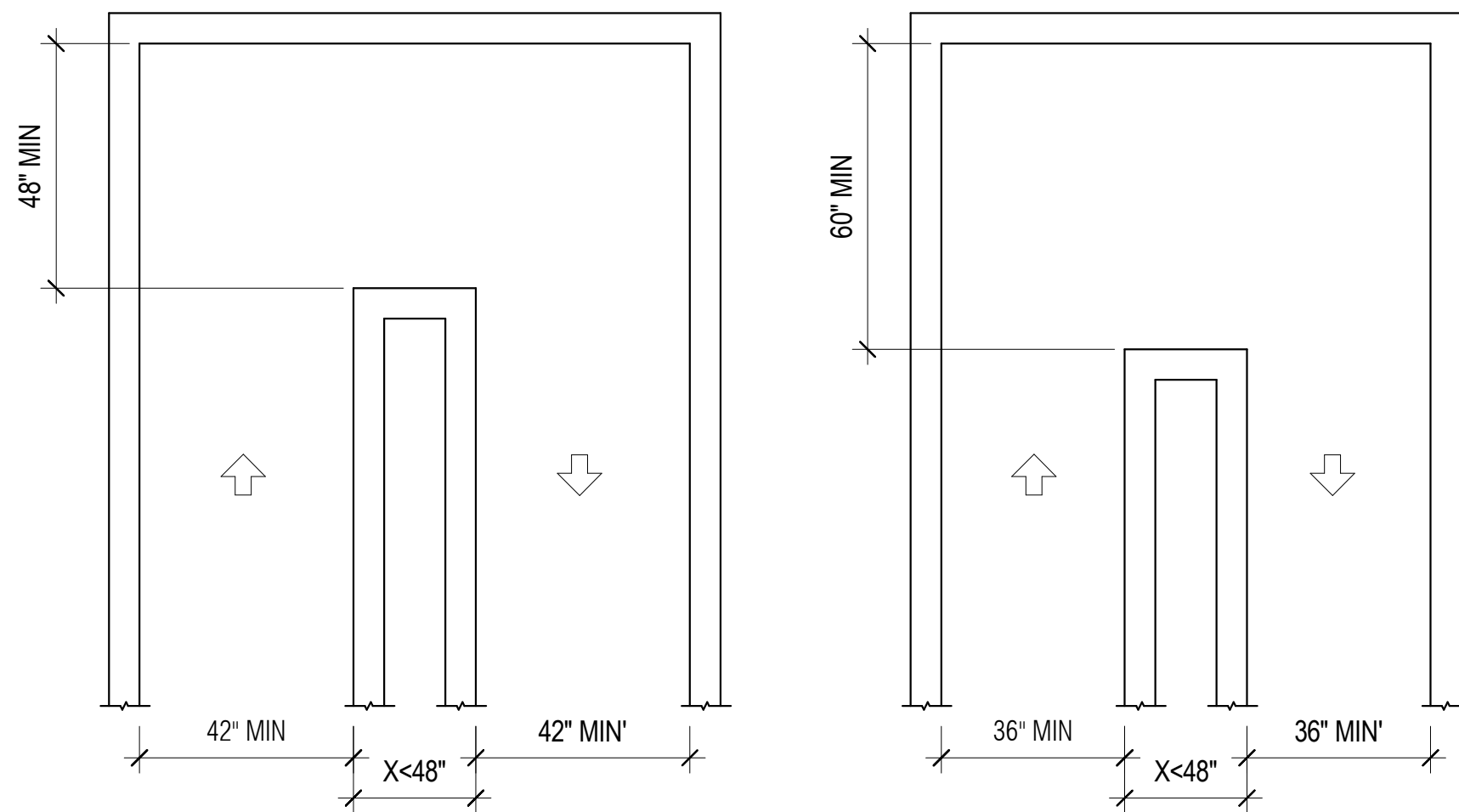
PERMIT SET

ISSUE DATE	04/30/2024
N&T JOB NUMBER	22212.00
REVISIONS	
1	4/30/2024 Permit Set Comments 1

SHEET TITLE
MOUNTING HEIGHTS / STANDARD CODE AND ACCESSIBILITY DETAILS

SHEET NUMBER

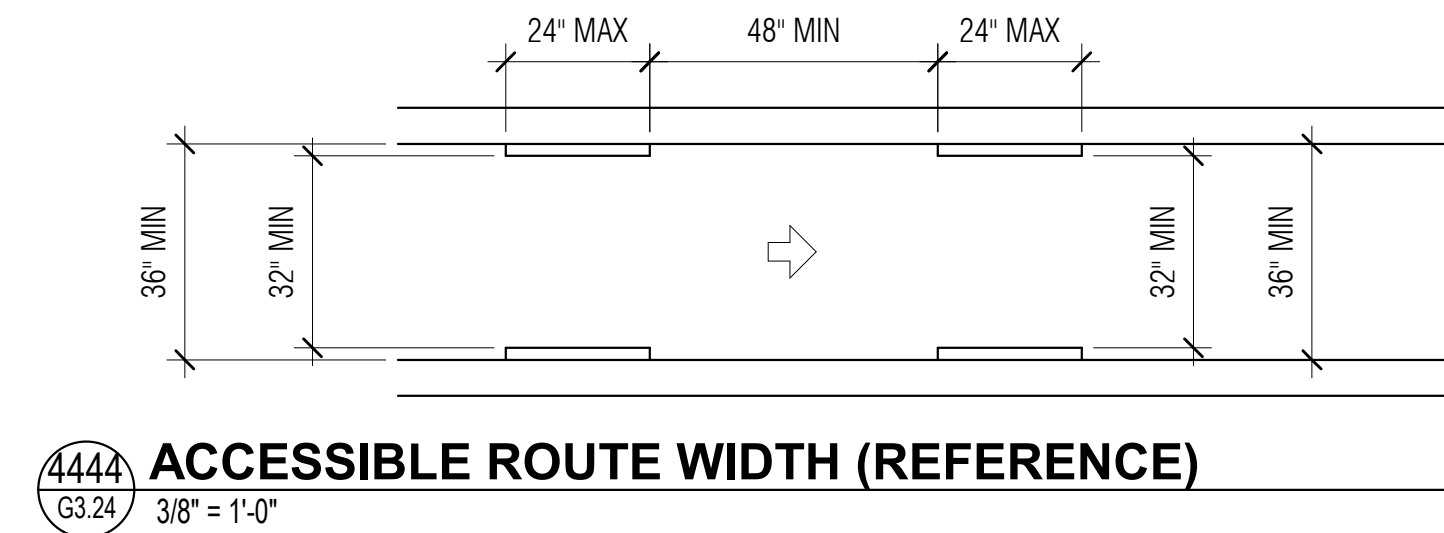
G3.21



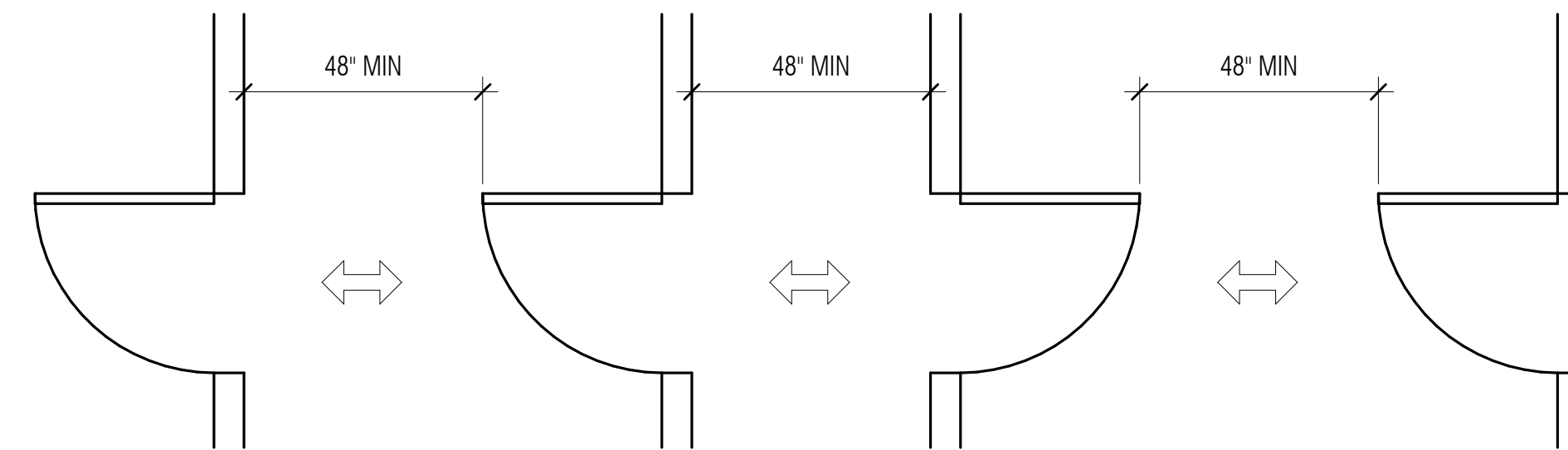
180 DEGREE TURN ACCESSIBLE ROUTE WIDTH - LIBRARY STACKS (REFERENCE)
180 DEGREE TURN (EXCEPTION)

1
G3.24 3/8" = 1'-0"

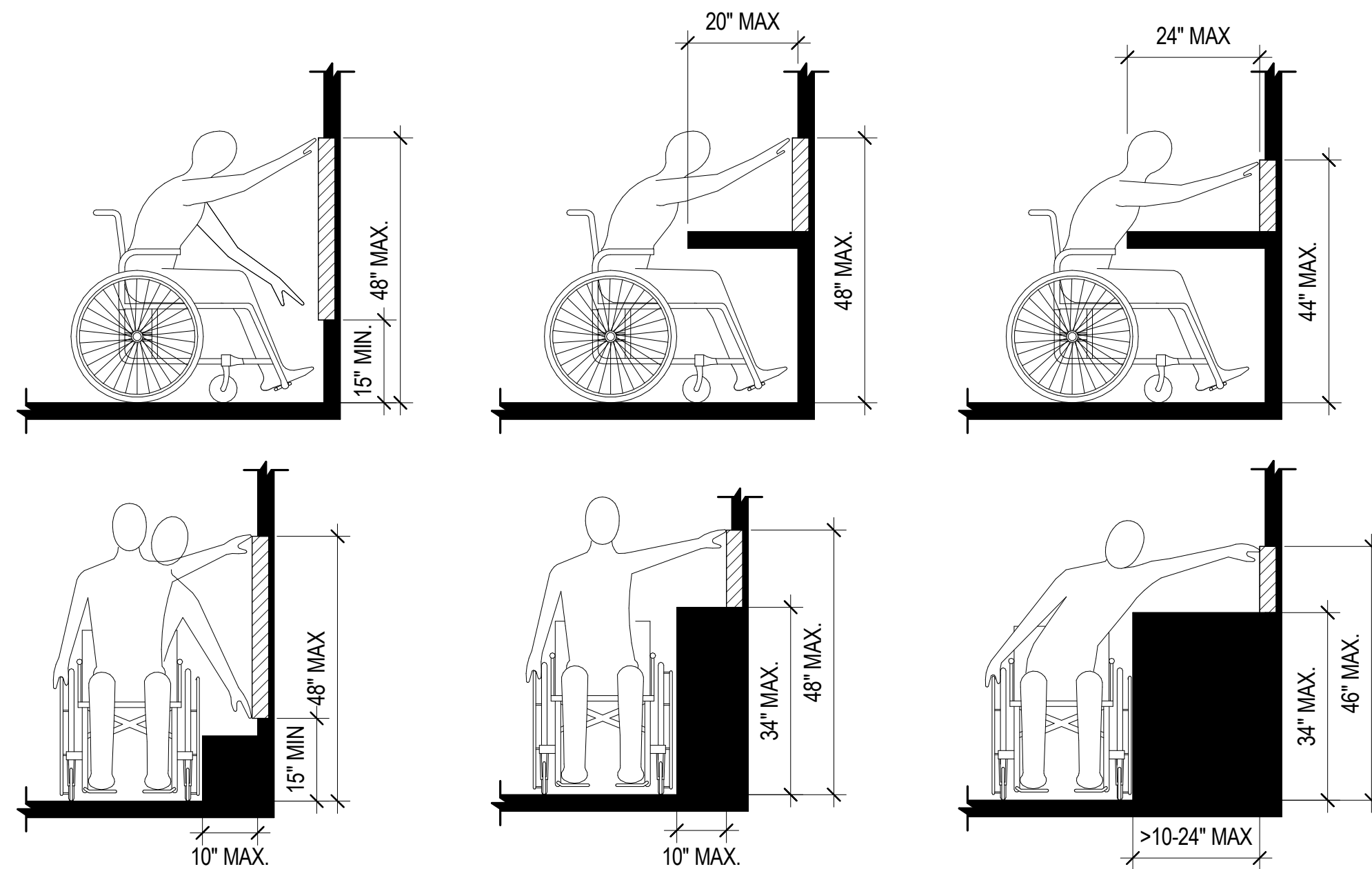
PER 2019 CBC 11B 403.5.1.4, THE CLEAR WIDTH FOR AISLES SHALL BE 36 INCHES MINIMUM IF SERVING ELEMENTS ON ONLY ONE SIDE, AND 44 INCHES IF SERVING ELEMENTS ON BOTH SIDES.



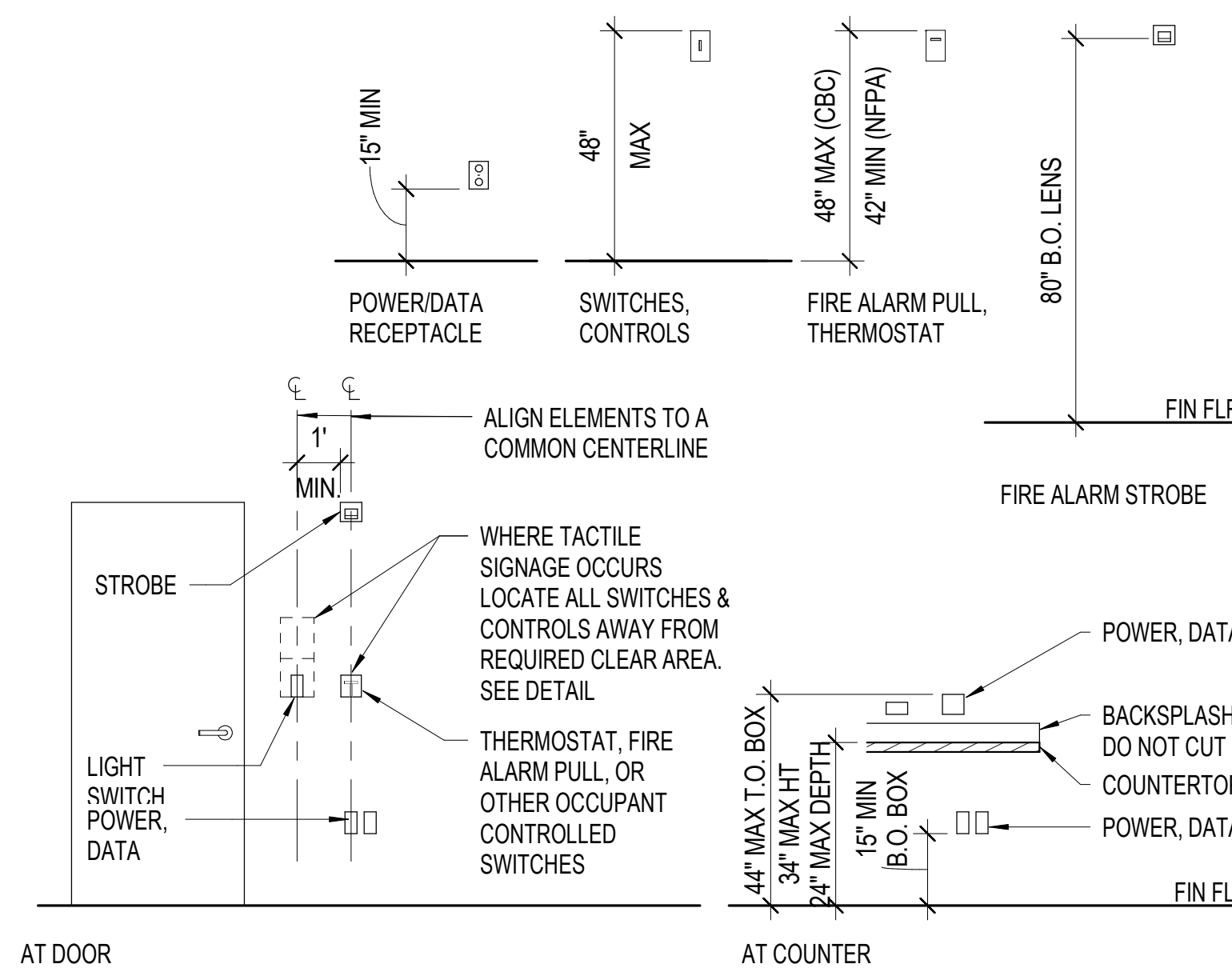
4444 ACCESSIBLE ROUTE WIDTH (REFERENCE)
 G3.24 3/8" = 1'-0"



2 DOORS IN SERIES (REFERENCE)
 G3.24 3/8" = 1'-0"

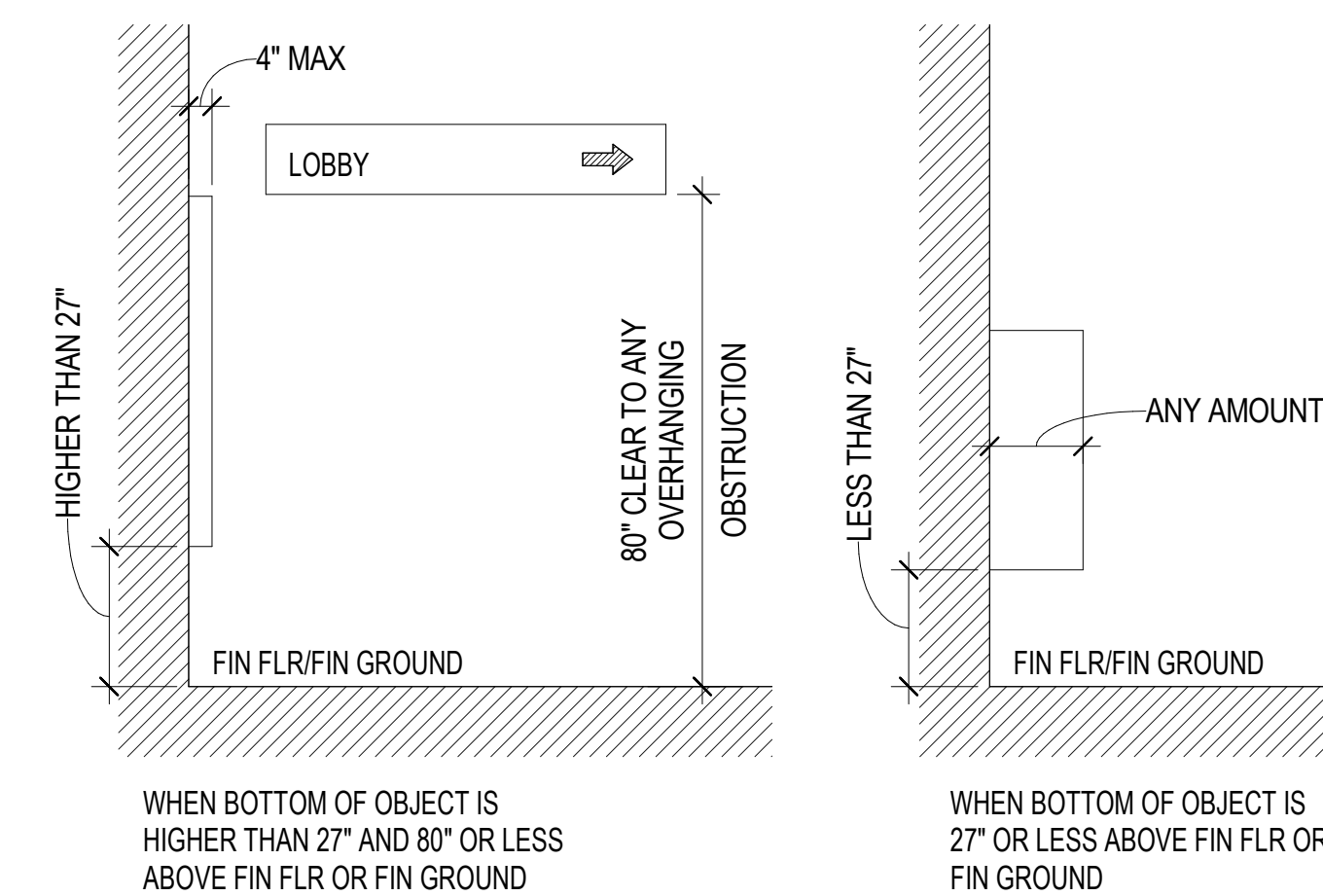


3 REACH RANGES (REFERENCE)
 G3.24 1/2" = 1'-0"



4 ELEC MOUNTING HTS (REFERENCE)
 G3.24 3/8" = 1'-0"

- NOTE:**
- RECEPTACLES, POWER/DATA, SWITCHES/CONTROLS/THERMOSTATS SHALL BE INSTALLED AT A RANGE OF 15" TO BOTTOM OF BOX AND 48" AFF TO TOP OF BOX.
 - FIRE STROBES ARE TO BE MOUNTED 80" MIN. AFF TO 96" MAX. AFF TO BOTTOM OF LENSE, PER NFPA 72-4.4.4
 - UNLESS OTHERWISE NOTED, MOUNT ELECTRICAL ITEMS AS INDICATED.



5 PROTRUDING OBJECTS (REFERENCE)
 G3.24 3/8" = 1'-0"

SEAL



APPROVALS

PROJECT TITLE

4/30/2024
Healdsburg
Library Refresh

139 PIPER ST
 HEALDSBURG, CA 95448

PERMIT SET

ISSUE DATE 04/30/2024

N&T JOB NUMBER 22212.00

REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

SHEET TITLE

MOUNTING HEIGHTS /
STANDARD CODE AND
ACCESSIBILITY
DETAILS

SHEET NUMBER

G3.24

LINETYPES

EXISTING		PROPOSED
	BOUNDARY LINE	
	CENTERLINE	
	CONTOUR - MAJOR	
	CONTOUR - MINOR	
	FENCE	
N/A	LIMITS OF CONSTRUCTION	
	PROPERTY / LOT LINE	
	RIGHT OF WAY	
	STORM DRAIN	

SYMBOLS

EXISTING		PROPOSED
	SIGN	
	TREE	
	LIGHT - POST MOUNTED	
	POWER POLE	
	STORM DRAINAGE - CLEANOUT	
	STORM DRAINAGE - DROP INLET	
	STORM DRAINAGE - MANHOLE	
	UTILITY MANHOLE - UTILITY	
	PULLBOX	
	VAULT - UTILITY	
	FIRE DEPARTMENT CONNECTION	

SHEET INDEX

C1.00	LEGEND AND ABBREVIATIONS
C1.01	GENERAL NOTES
C2.00	PAVEMENT AND WALKWAY PLAN SOUTH
C2.01	PAVEMENT, WALKWAY, SIGNING AND STRIPING PLAN NORTH
C2.02	PAVEMENT, WALKWAY, SIGNING AND STRIPING PLAN NORTH EXTENDED
C3.00	SECTIONS
C3.01	DETAILS
C3.02	DETAILS

ABBREVIATIONS

AB	AGGREGATE BASE	JB	JUNCTION BOX
AC	ASPHALT CONCRETE	JP	JOINT POLE
AD	AREA DRAIN	JT	JOINT TRENCH
ACR	ACCESS COMPLIANT RAMP	LF	LINEAR FEET
BCR	BEGIN CURB RETURN	LP	LOW POINT
BSW	BACK OF SIDEWALK	MAX	MAXIMUM
CJ	CONTROL JOINT	MIN	MINIMUM
CL	CENTERLINE / CONTROL LINE	MH	MANHOLE
CP	CONTROL POINT	NTS	NOT TO SCALE
CR	CURB RETURN	O.C.	ON CENTER
DI	DROP INLET	PB	PULLBOX
DL	DAYLIGHT	PRO	PROPOSED
DWY	DRIVEWAY	PVC	POLYVINYL CHLORIDE PIPE
ECR	END CURB RETURN	R.C.	RELATIVE COMPACTION
EG	EXISTING GRADE	RCP	REINFORCED CONCRETE PIPE
EL	ELEVATION	RW	RIGHT OF WAY
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
EX	EXISTING	SDCO	STORM DRAIN CLEANOUT
(E)	EXISTING	SDMH	STORM DRAIN MANHOLE
FC	FACE OF CURB	SF	SQUARE FEET
FF	FINISH FLOOR	SS	SANITARY SEWER
FG	FINISH GRADE	SSCO	SANITARY SEWER CLEANOUT
FH	FIRE HYDRANT	SW	SIDEWALK
FL	FLOWLINE	TC	TOP OF CURB
FS	FINISH SURFACE	TG	TOP OF GRATE
GB	GRADE BREAK	TW	TOP OF WALL
HDPE	HIGH DENSITY POLYETHYLENE PIPE	tw	TOE OF WALL
HP	HIGH POINT	VIF	VERIFY IN FIELD
INV	INVERT	WL	WATER LINE
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY		

BASIS OF TOPOGRAPHY

THE EXISTING TOPOGRAPHIC INFORMATION IS BASED ON A FIELD SURVEY PERFORMED BY CSWST2 ON OCTOBER 9, 2023.

BENCHMARK

THE VERTICAL DATUM IS NORTH AMERICAN DATUM OF 1988 (NAVD88) PER CALIFORNIA REAL TIME NETWORK (CRTN), EPOCH 2017.5.

BASIS OF BEARINGS

THE HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983 (NAD 83) PER CALIFORNIA REAL TIME NETWORK (CRTN), ZONE 2, EPOCH 2017.5.

APPROVALS

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SEAL



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Civil & Structural Engineers Surveying & Mapping
Environmental Planning Land Planning
Construction Management
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PROJECT TITLE

SONOMA COUNTY
Healdsburg
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139 PIPER ST
HEALDSBURG, CA 95448

PERMIT SUBMITTAL

ISSUE DATE 01/29/2024

N&T JOB NUMBER 22212.00

REVISIONS	DATE	DESCRIPTION
	04/24/24	PERMIT SET COMMENTS 1

SHEET TITLE

LEGEND AND
ABBREVIATIONS

SHEET NUMBER

C1.00

GENERAL NOTES

- WORK SHOWN HEREON SHALL BE DONE IN ACCORDANCE WITH THE CITY OF HEALDSBURG STANDARD CONSTRUCTION PLANS AND SPECIFICATIONS, LATEST EDITION, THE STANDARD SPECIFICATIONS FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, AND UTILITY COMPANY'S STANDARD PLANS AND SPECIFICATIONS AS APPLICABLE, LATEST EDITION.
- THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- CONTRACTOR SHALL HOLD HARMLESS THE OWNER AND ITS AUTHORIZED REPRESENTATIVES FROM ALL LIABILITIES AND DAMAGES RESULTING FROM HIS CONSTRUCTION OPERATIONS.
- PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL VERIFY ALL INTERFACES BETWEEN EXISTING CONDITIONS AND NEW CONSTRUCTION FOR GRADING, DRAINAGE, UNDERGROUND, AND OVERHEAD FACILITIES, INCLUDING LOCATION AND ELEVATION OF EXISTING UNDERGROUND OR AT GRADE FACILITIES AT CROSSINGS WITH PROPOSED UNDERGROUND FACILITIES. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION OPERATIONS UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL CONTRACT DOCUMENTS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- ALL EASEMENTS OR OTHER ENCUMBRANCES SHOWN OR REFERENCED IN THESE PLANS OR DISCLOSED IN THE TITLE REPORT ARE SUBJECT TO INHERENT OR EXPLICIT RESTRICTIONS. THE OWNER IS RESPONSIBLE FOR DETERMINING THE IMPACT OF THESE RESTRICTIONS ON HIS OR HER INTENT FOR THE PROPERTY.
- CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING UNDERGROUND, AT-GRADE OR OVERHEAD IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE OWNER, INCLUDING PERMANENT TRENCH RESURFACING.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS INCLUDING ENCROACHMENT PERMIT FROM THE CITY PRIOR TO ANY WORK IN THE PUBLIC RIGHT-OF-WAY.
- TRAFFIC CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST "MANUAL OF TRAFFIC CONTROLS" PUBLISHED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY FOR APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO BE AWARE OF AND PROTECT ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.
- WATER SHALL BE PROVIDED ONSITE BY THE OWNER AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS.
- OUTDOOR NOISE-GENERATING CONSTRUCTION ACTIVITIES (INCLUDING BUT NOT LIMITED TO RAPID IMPACT COMPACTION (RIC) GRADING, TRENCHING, CONCRETE PLACEMENT, SAWING AND HAMMERING) SHALL BE LIMITED TO THE HOURS BETWEEN 7AM AND 5PM, MONDAY THROUGH FRIDAY. FOR QUESTIONS REGARDING CONSTRUCTION HOURS AND/OR RELATED NOISE, PLEASE CONTACT THE CITY OF HEALDSBURG.
- CONTRACTOR SHALL COMPLY FULLY WITH THE REQUIREMENTS OF ASSEMBLY BILL 2040, DAVIS, ASBESTOS.
- IF SIGNIFICANT CULTURAL MATERIALS ARE EXPOSED OR DISCOVERED DURING EITHER SITE CLEARING OR SUBSURFACE CONSTRUCTION, ALL OPERATIONS SHOULD STOP WITHIN 25 FEET OF THE FIND AND A QUALIFIED PROFESSIONAL ARCHAEOLOGIST CONTACTED FOR FURTHER REVIEW AND RECOMMENDATIONS. POTENTIAL RECOMMENDATIONS COULD INCLUDE EVALUATION, COLLECTION, RECORDATION, ANALYSIS, ETC. OF ANY SIGNIFICANT CULTURAL MATERIALS FOLLOWED BY PREPARATION OF A PROFESSIONAL REPORT. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE OTHER GOVERNING JURISDICTION OF ANY DISCOVERIES.
- SIGNIFICANT PREHISTORIC CULTURAL RESOURCES ARE DEFINED AS HUMAN BURIALS, FEATURES OR OTHER CLUSTERING OF FINDS MADE, MODIFIED OR USED BY NATIVE AMERICAN PEOPLES IN THE PAST. THE PREHISTORIC AND PROTOHISTORIC INDICATORS OF PRIOR CULTURAL OCCUPATION BY NATIVE AMERICANS INCLUDE ARTIFACTS AND HUMAN BONE, AS WELL AS SOIL DISCOLORATION, SHELL, ANIMAL BONE, SANDSTONE COBBLES, ASHY AREAS, AND BAKED OR VITRIFIED CLAYS.
- ALL MASS GRADING SHALL BE IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS. MASS GRADING SHALL INCLUDE DEMOLITION, CLEARING AND GRUBBING, TREE REMOVAL, REMEDIAL GRADING (BUTTRERING, KEYWAYS, SUBDRAINS), SUB-EXCAVATION AND COMPACTION OF FILL AREAS, CUTTING HIGH AREAS AND STREETS, PLACING AND COMPACTION OF FILL ON LOW AREAS AND STREETS, HAUL ROAD CONSTRUCTION AND REMOVAL, FINISHED GRADING OF SITE TO A TOLERANCE OF ± 0.1 FEET, UNDER-CUTTING OF STREETS SUFFICIENT TO ACCOMMODATE UTILITY SPOILS, HAULING, PLACEMENT, COMPACTION OR STOCKPIILING OF UTILITY SPOILS AS REQUIRED, IMPORT, PLACEMENT AND COMPACTION OF SOILS AS REQUIRED TO BALANCE THE SITE AND EXCAVATION FOR MASONRY.
- IF, AT ANY TIME DURING GRADING OPERATIONS, ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, GRADING IN THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED.
- ALL DEBRIS, EXCESS, AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.

- ALL FILL SOILS OR SOILS DISTURBED OR OVER-EXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED PER THE REQUIREMENTS OF THE SOIL REPORT BUT NOT LESS THAN 90% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D-1557.
- ALL GRADED BANK TOPS AND TOES SHALL BE ROUNDED.
- THE PROPOSED GRADE AS SHOWN IN THE DRAWINGS IS THE FINISH GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE TO ACCOMMODATE FOR THE THICKNESS OF THE TOP SECTIONS (ROADWAY, CONCRETE, TOPSOIL, ETC.) TO ARRIVE AT THE ROUGH GRADE ELEVATION. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ADJUSTMENTS TO ACCOMMODATE TRENCH OR FOUNDATION SPOILS.
- STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL RAMP AND OTHER ACCESSIBILITY ACCOMMODATIONS ARE INTENDED TO COMPLY WITH THE CURRENT STANDARDS UNDER THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL NOTIFY THE CIVIL ENGINEER IF ANY PROPOSED IMPROVEMENTS ARE NOT CONSISTENT WITH THE STANDARDS.
- ALL STREETS SHALL BE SWEEPED AND KEPT CLEAN AT THE END OF EACH DAY AND SHALL COMPLY WITH ALL APPLICABLE RWQCB REQUIREMENTS FOR THE DURATION OF THE PROJECT WORK.
- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUNDWATER THAT MAY BE NECESSARY TO ACCOMPLISH WORK SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (800-227-2600) A MINIMUM OF 48 HOURS PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL OBTAIN AN O.S.H.A. PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE 5' OR DEEPER. ALL TRENCHES 5' IN DEPTH OR GREATER SHALL BE SHORED AND BRACED ACCORDING TO STATE LAW.
- UTILITIES AS SHOWN CONFORM TO AVAILABLE RECORD DATA. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND DEPTHS BY POTHOLING OF ALL UTILITIES WITH APPROPRIATE AGENCIES, AND TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ANY CONFLICTS SHALL BE REPORTED IMMEDIATELY TO THE AGENCY AND TO THE CIVIL ENGINEER.
- IT SHALL BE THE PAVING CONTRACTOR'S RESPONSIBILITY TO RESTORE STREET AND SIDEWALK SUBGRADES DISTURBED DURING UNDERGROUND UTILITY CONSTRUCTION. ALL EXISTING STREET IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IN CONFORMANCE WITH CITY OF HEALDSBURG STANDARD CONSTRUCTION PLANS AND SPECIFICATIONS AND TO THE SATISFACTION OF THE CITY ENGINEER, AND SHALL MEET ANY ADDITIONAL REQUIREMENTS OF THE ENCROACHMENT PERMIT.
- DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- IRRIGATION AND OTHER SITE UTILITY IMPROVEMENTS WHICH ARE DAMAGED TO COMPLETE CONSTRUCTION, OR OTHERWISE DISTURBED OR DAMAGED DURING THE COURSE OF CONSTRUCTION, ARE TO BE REPAIRED TO THE OWNER'S SATISFACTION.
- MANHOLE FRAMES AND COVERS AND ALL OTHER UTILITY FRAMES AND COVERS LOCATED WITHIN PAVED AREAS SHALL BE BROUGHT TO FINISH GRADE AFTER PAVING. RIM GRADES, WHERE SHOWN, ARE APPROXIMATE. CONTRACTOR TO ADJUST RIM GRADE TO CONFORM WITH INSTALLED PAVING.
- CLEANING, TESTING, AND TELEVISIONING OF SEWER FACILITIES WILL BE REQUIRED PRIOR TO ACCEPTANCE.
- STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
- ALL CATCH BASINS AND OTHER CONCRETE STORM DRAIN INLETS SHALL HAVE THE STANDARD CITY STENCIL APPLIED TO THE CONCRETE ON TOP OF, OR ADJACENT TO, THE INLET INDICATING THAT DUMPING IS NOT ALLOWED.
- ALL CURB DIMENSIONS AND RADII ARE TO FACE OF CURB.
- CONTRACTOR SHALL NOTIFY CITY ENGINEER 48 HOURS PRIOR TO ANY NEED FOR FORMWORK REVIEW AND APPROVAL.
- CONTRACTOR SHALL PERFORM WATER TESTS AT ALL GUTTERS LESS THAN 1% SLOPE AND AT SAGS.
- ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN AT LEAST TWO LIFTS, AND THE SECOND LIFT SHALL BE A MINIMUM OF 2 INCHES AND SHALL BE PLACED ONLY AFTER THE CONSTRUCTION OF SITE IMPROVEMENTS AND BUILDING CONSTRUCTION HAVE BEEN SUBSTANTIALLY COMPLETED. THE FINAL PAVEMENT SURFACE SHALL BE FREE OF GOUGES, PATCHES, OR OTHER DEFECTS TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE OF SITE IMPROVEMENTS.
- A.C. STREET AND DRIVEWAY STRUCTURAL SECTIONS ARE APPROXIMATE ONLY. EXACT SECTIONS WILL BE DETERMINED SUBSEQUENT TO DEMOLITION. CONTRACTOR TO PROVIDE RECORD OF EXISTING PAVEMENT AND BASE THICKNESS PRIOR TO CONSTRUCTION OF NEW PAVEMENTS.
- TREE PROTECTION FENCING SHALL BE PLACED ONE FOOT BEYOND DRIPLINE OR AS DIRECTED BY THE ARBORIST. WHERE NOT POSSIBLE, OR AS DIRECTED BY THE ARBORIST, FENCING MUST BE LOCATED PRACTICALLY AND IN A MANNER WHICH ALLOWS THE REQUIRED GRADING AND CONSTRUCTION TO OCCUR. IN NO CASE, SHALL FENCING BE PLACED CLOSER THAN 5 FEET TO THE TREE TRUNK. TREES LOCATED NEXT TO PROPOSED RETAINING WALLS SHOULD HAVE THEIR TRUNKS PROTECTED BY STRAPPING STRAW BALES AROUND THE TRUNK TO PREVENT ACCIDENTAL DAMAGE FROM EXCAVATION EQUIPMENT. MITIGATION MEASURES SUCH AS IRRIGATION, CHIPPED BARK MULCHES, AND SCARIFICATION OF THE SOIL SURFACE AFTER CONSTRUCTION MAY HELP TO PARTIALLY COMPENSATE FOR SAME FORM OF CONSTRUCTION IMPACT, AND SHOULD BE UTILIZED PER ARBORIST'S RECOMMENDATIONS.
- TREES TO BE REMOVED OR RELOCATED ARE IDENTIFIED ON GRADING PLANS.
- THE LOCATION OF SYMBOLS SHOWN ON THE DRAWINGS MAY NOT REPRESENT THE PRECISE LOCATION OF THE PROPOSED IMPROVEMENT. IF THE SYMBOL IS NOT ACCOMPANIED BY DIMENSIONS TO LOCATE THE PRECISE LOCATION OF THE PROPOSED IMPROVEMENT, REFER TO STANDARD DETAILS SHOWN WITHIN THE DRAWINGS OR APPROPRIATE AGENCY STANDARD DETAILS. NOTIFY THE ENGINEER, ARCHITECT, OWNER, OWNER'S REPRESENTATIVE.

GRADING QUANTITIES

CUT: 3 CUBIC YARDS
 FILL: 8 CUBIC YARDS
 NET: 5 CUBIC YARDS FILL

- PROPOSED FINISH GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN.
- THE EARTHWORK QUANTITIES ABOVE HAVE NOT BEEN ADJUSTED TO ACCOUNT FOR:
 - THICKNESS OF THE PAVEMENT SECTION
 - SLABS
 - FOOTINGS
 - TRENCH SPOILS
 - CLEARING AND GRUBBING INCLUDING REMOVAL OF EXISTING PAVEMENT SECTIONS OR UNACCEPTABLE SOILS
 - BULKING OR SHRINKAGE
 - OVER-EXCAVATION AND RE-COMPACTION
 - TOPSOIL
 - CONSTRUCTION METHODS
- THE CONTRACTOR SHALL RELY ON THEIR EARTHWORK ESTIMATES FOR BIDDING PURPOSES.
- THE EARTHWORK QUANTITIES ABOVE ARE FOR PERMIT PURPOSES ONLY.

APPROVALS

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PROJECT TITLE

SONOMA COUNTY
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ISSUE DATE: 01/29/2024
 N&T JOB NUMBER: 22212.00

REVISIONS	DATE	DESCRIPTION
△	04/24/24	PERMIT SET COMMENTS 1

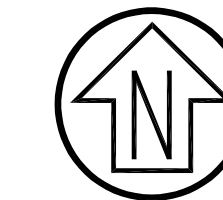
SHEET TITLE

GENERAL NOTES

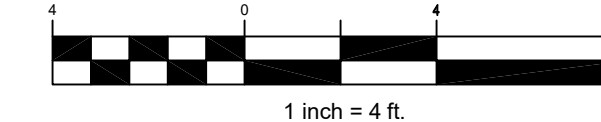
SHEET NUMBER

C1.01

SEE SHEET C2.01
MATCHLINE



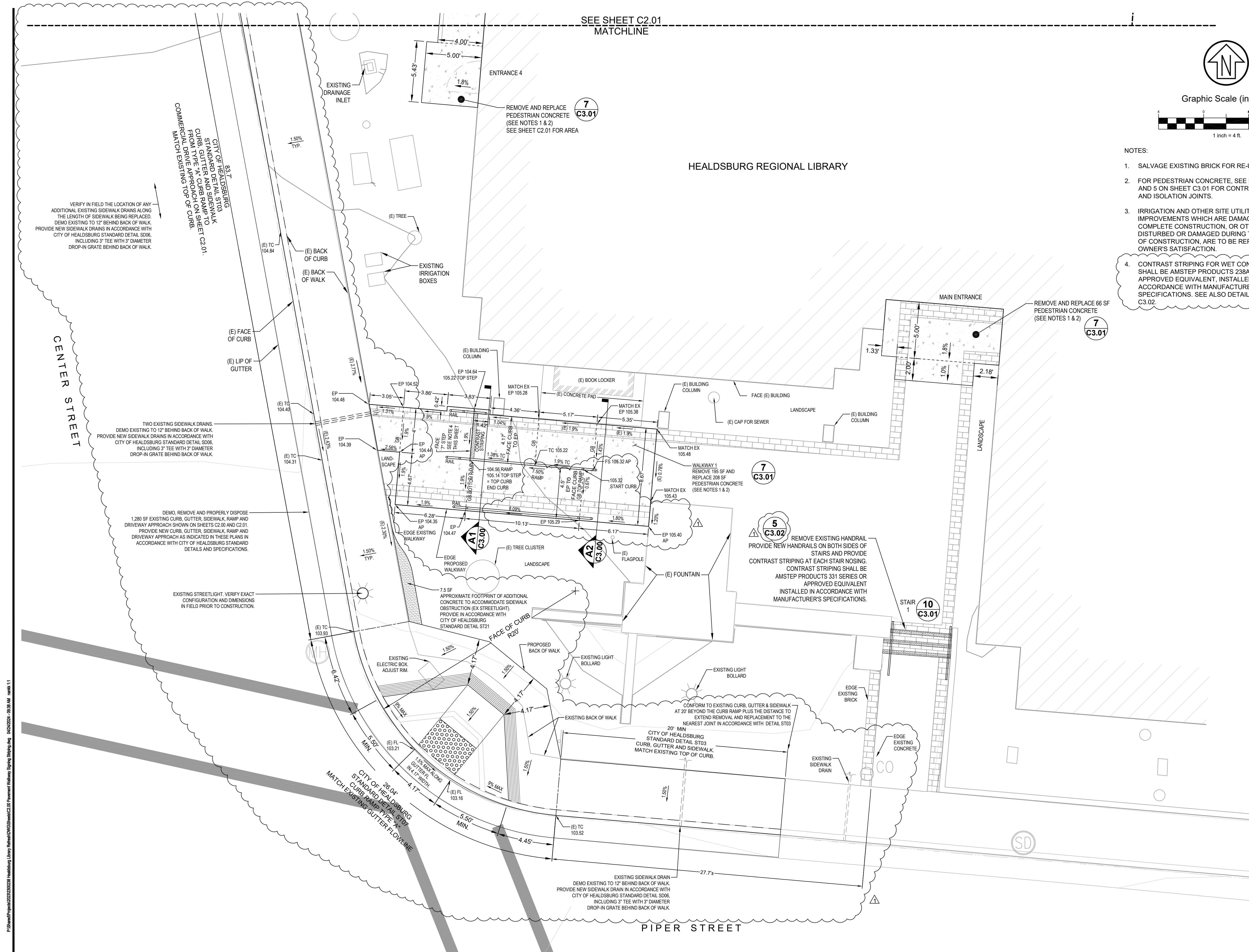
Graphic Scale (in feet)



NOTES:

1. SALVAGE EXISTING BRICK FOR RE-USE.
2. FOR PEDESTRIAN CONCRETE, SEE DETAILS 3, 4 AND 5 ON SHEET C3.01 FOR CONTROL, EXPANSION, AND ISOLATION JOINTS.
3. IRRIGATION AND OTHER SITE UTILITY IMPROVEMENTS WHICH ARE DAMAGED TO COMPLETE CONSTRUCTION, OR OTHERWISE DISTURBED OR DAMAGED DURING THE COURSE OF CONSTRUCTION, ARE TO BE REPAIRED TO THE OWNER'S SATISFACTION.
4. CONTRAST STRIPING FOR WET CONCRETE STEP SHALL BE AMSTEP PRODUCTS 238A SERIES, OR APPROVED EQUIVALENT, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. SEE ALSO DETAIL 5, SHEET C3.02.

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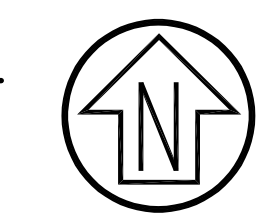
SHEET TITLE

**PAVEMENT AND
WALKWAY PLAN SOUTH**

SHEET NUMBER

C2.00

SEE SHEET C2.02
MATCHLINE

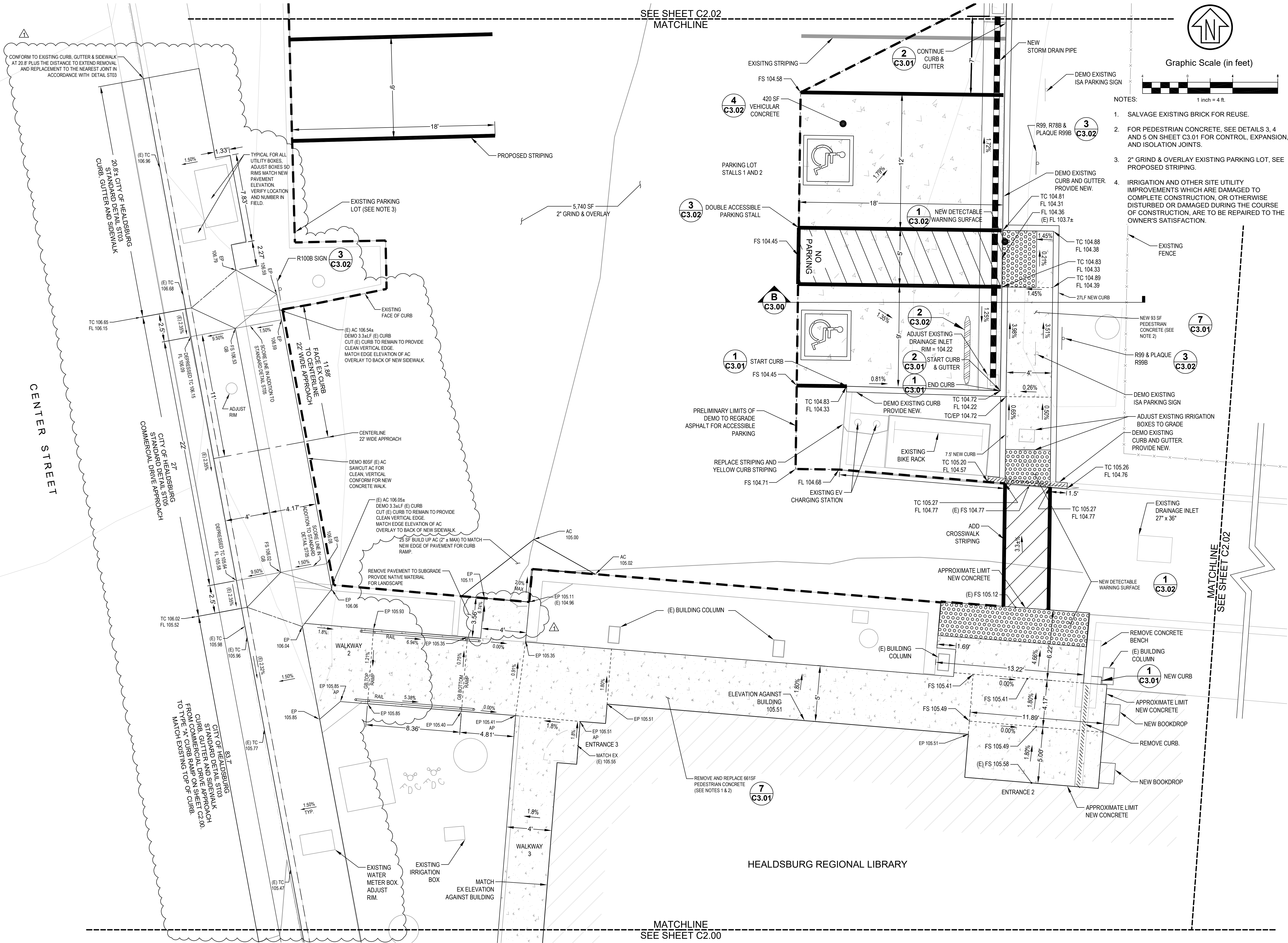


Graphic Scale (in feet)



NOTES:

1. SALVAGE EXISTING BRICK FOR REUSE.
2. FOR PEDESTRIAN CONCRETE, SEE DETAILS 3, 4 AND 5 ON SHEET C3.01 FOR CONTROL, EXPANSION, AND ISOLATION JOINTS.
3. 2" GRIND & OVERLAY EXISTING PARKING LOT, SEE PROPOSED STRIPING.
4. IRRIGATION AND OTHER SITE UTILITY IMPROVEMENTS WHICH ARE DAMAGED TO COMPLETE CONSTRUCTION, OR OTHERWISE DISTURBED OR DAMAGED DURING THE COURSE OF CONSTRUCTION, ARE TO BE REPAIRED TO THE OWNER'S SATISFACTION.



MATCHLINE
SEE SHEET C2.00

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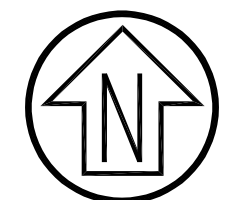
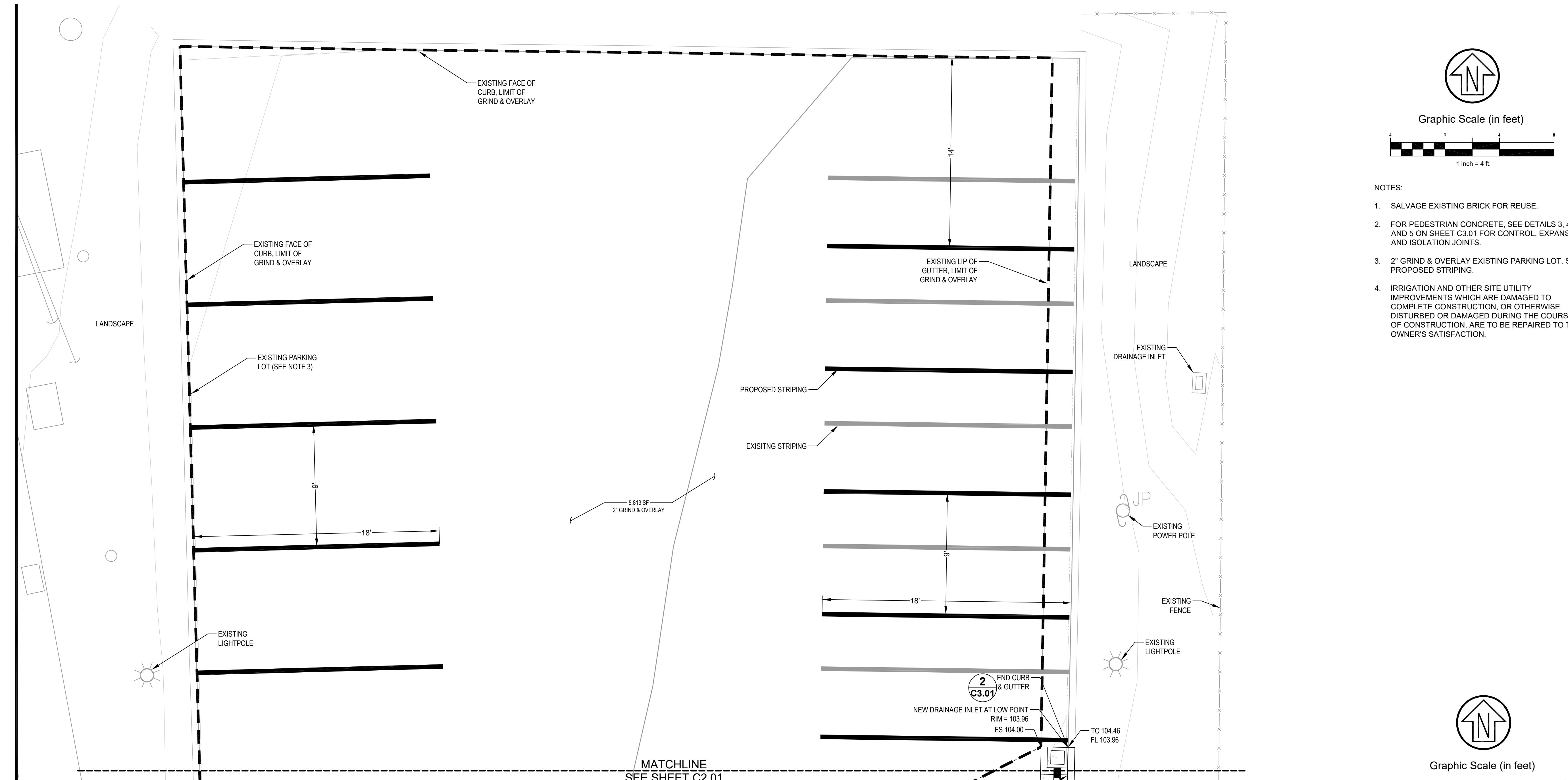
ISSUE DATE	01/29/2024	
N&T JOB NUMBER	22212.00	
REVISIONS	DATE	DESCRIPTION
1	04/24/24	PERMIT SET COMMENTS 1

SHEET TITLE
**PAVEMENT, WALKWAY,
SIGNING AND STRIPING
PLAN NORTH**

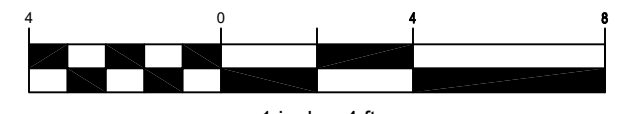
SHEET NUMBER

C2.01

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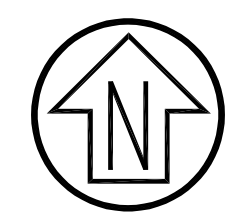


Graphic Scale (in feet)

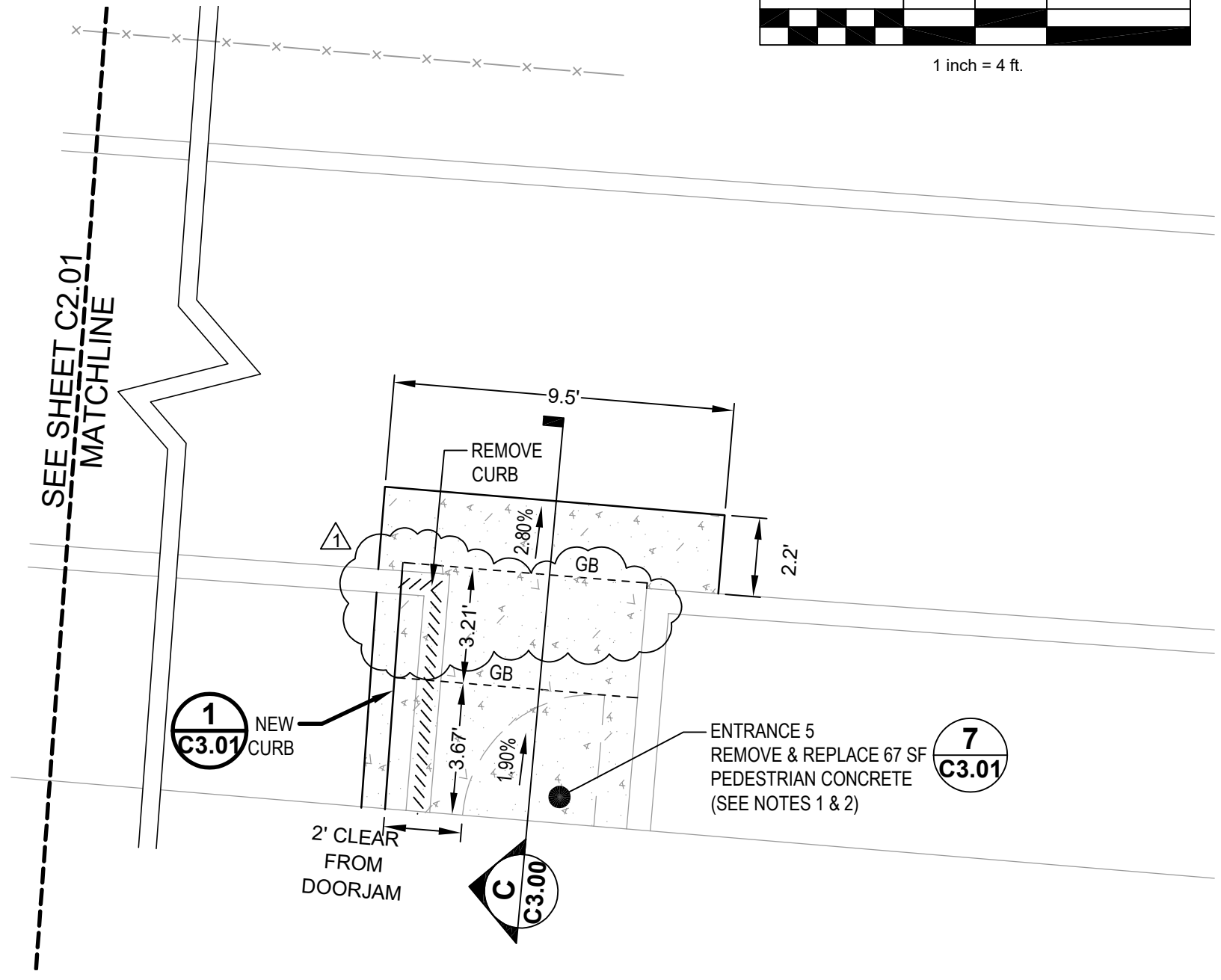


NOTES:

1. SALVAGE EXISTING BRICK FOR REUSE.
2. FOR PEDESTRIAN CONCRETE, SEE DETAILS 3, 4 AND 5 ON SHEET C3.01 FOR CONTROL, EXPANSION, AND ISOLATION JOINTS.
3. 2" GRIND & OVERLAY EXISTING PARKING LOT, SEE PROPOSED STRIPING.
4. IRRIGATION AND OTHER SITE UTILITY IMPROVEMENTS WHICH ARE DAMAGED TO COMPLETE CONSTRUCTION, OR OTHERWISE DISTURBED OR DAMAGED DURING THE COURSE OF CONSTRUCTION, ARE TO BE REPAIRED TO THE OWNER'S SATISFACTION.



Graphic Scale (in feet)



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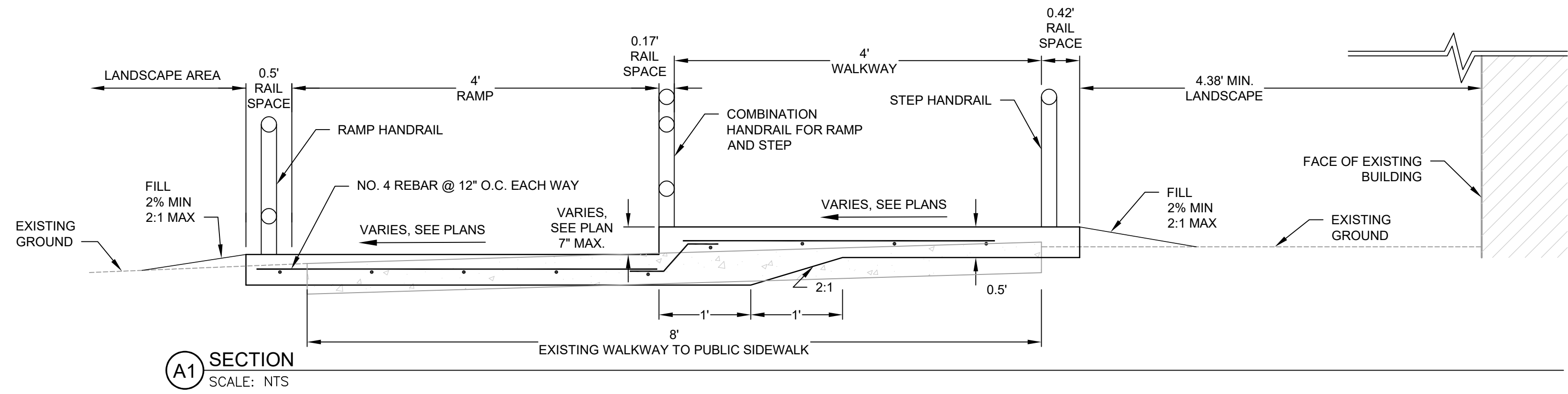
REVISIONS	DATE	DESCRIPTION
1	04/24/24	PERMIT SET COMMENTS 1

SHEET TITLE
**PAVEMENT, WALKWAY,
SIGNING AND STRIPING
PLAN NORTH EXTENDED**

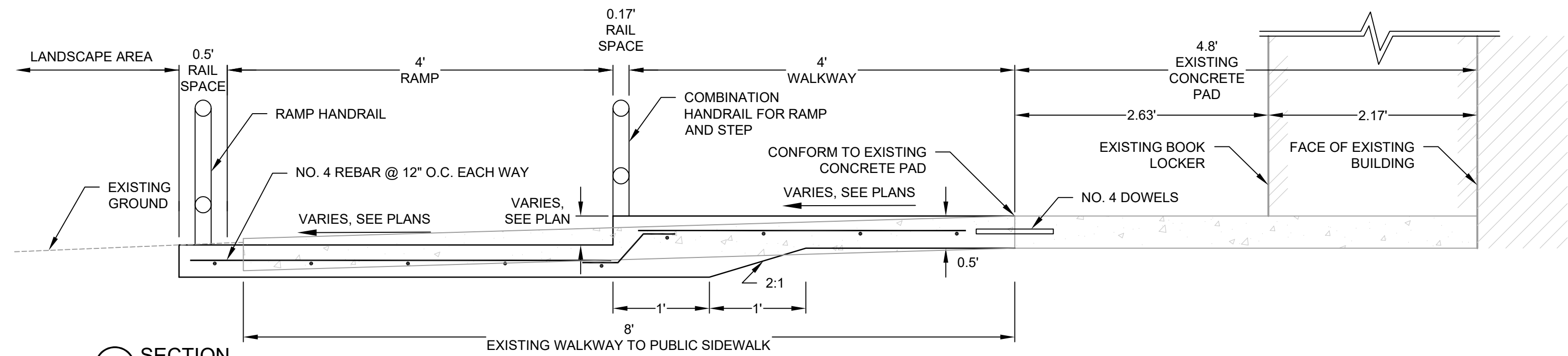
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C2.02

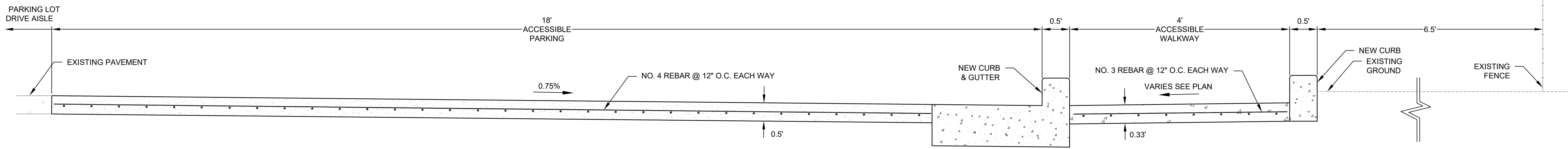
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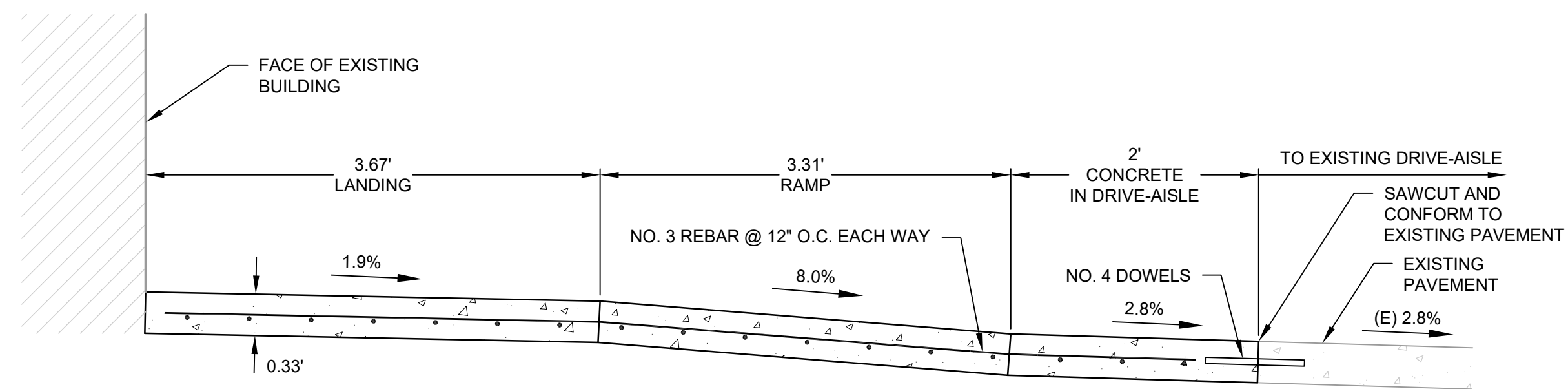
A1 SECTION
SCALE: NTS



A2 SECTION
SCALE: NTS



B SECTION
SCALE: NTS



C SECTION
SCALE: NTS

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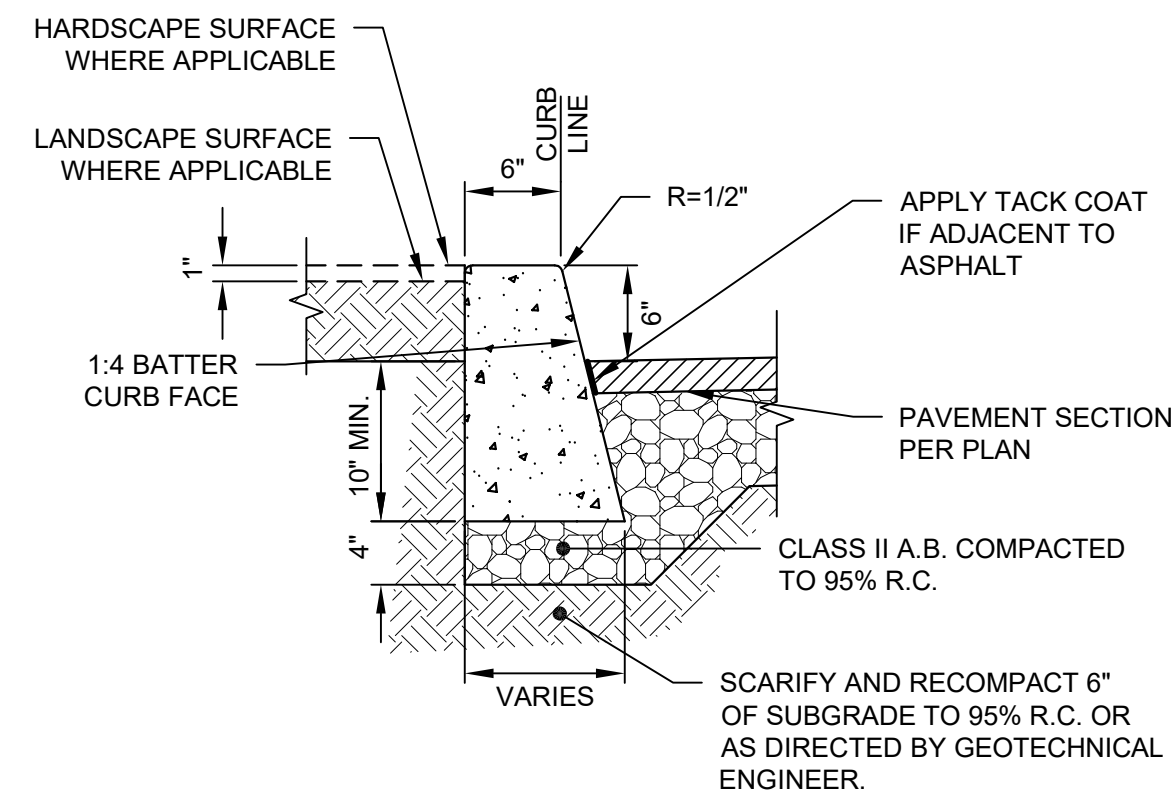
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SHEET TITLE

SECTIONS

SHEET NUMBER

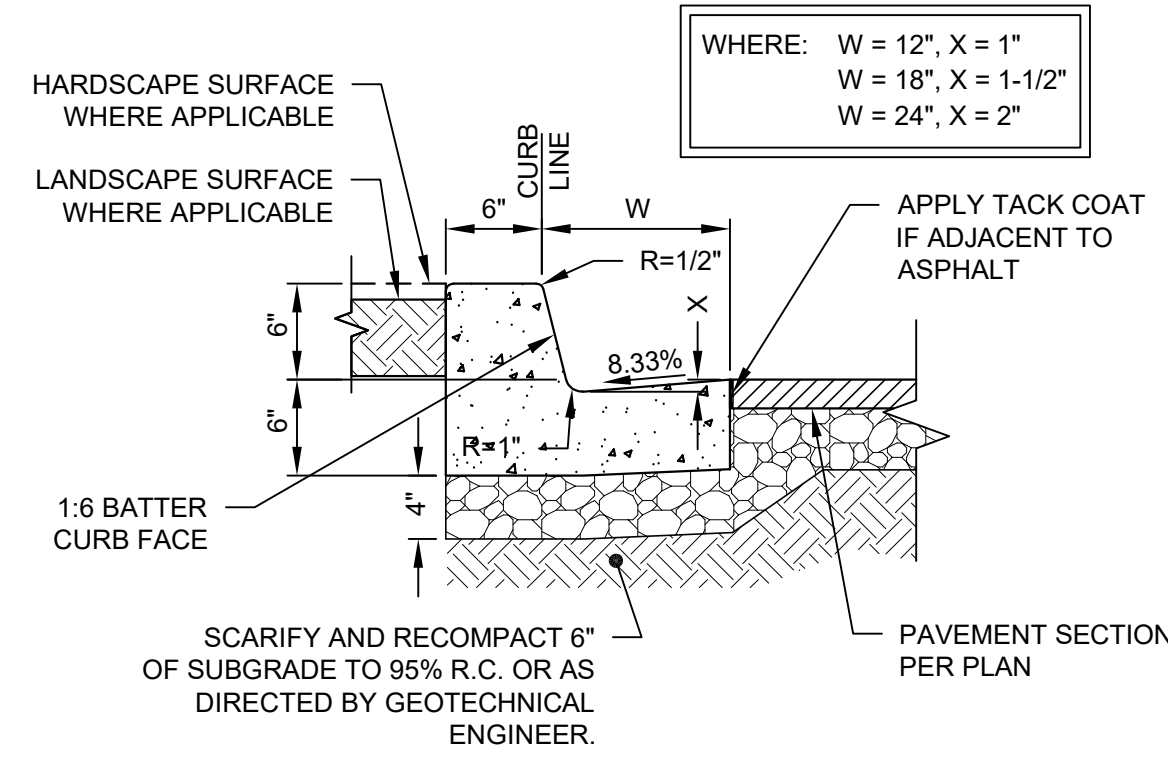
C3.00



NOTES:

- WHERE CONCRETE WALK IS ADJACENT TO CURB, PROVIDE ISOLATION JOINT BETWEEN WALK AND BACK OF CURB.
- CONTROL JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 10' INTERVALS O.C. - ALL SIDES EXCEPT BOTTOM.
- WHERE WALK IS ADJACENT TO CURB, THE JOINTS SHALL ALIGN WITH THE JOINTS IN THE CURB.

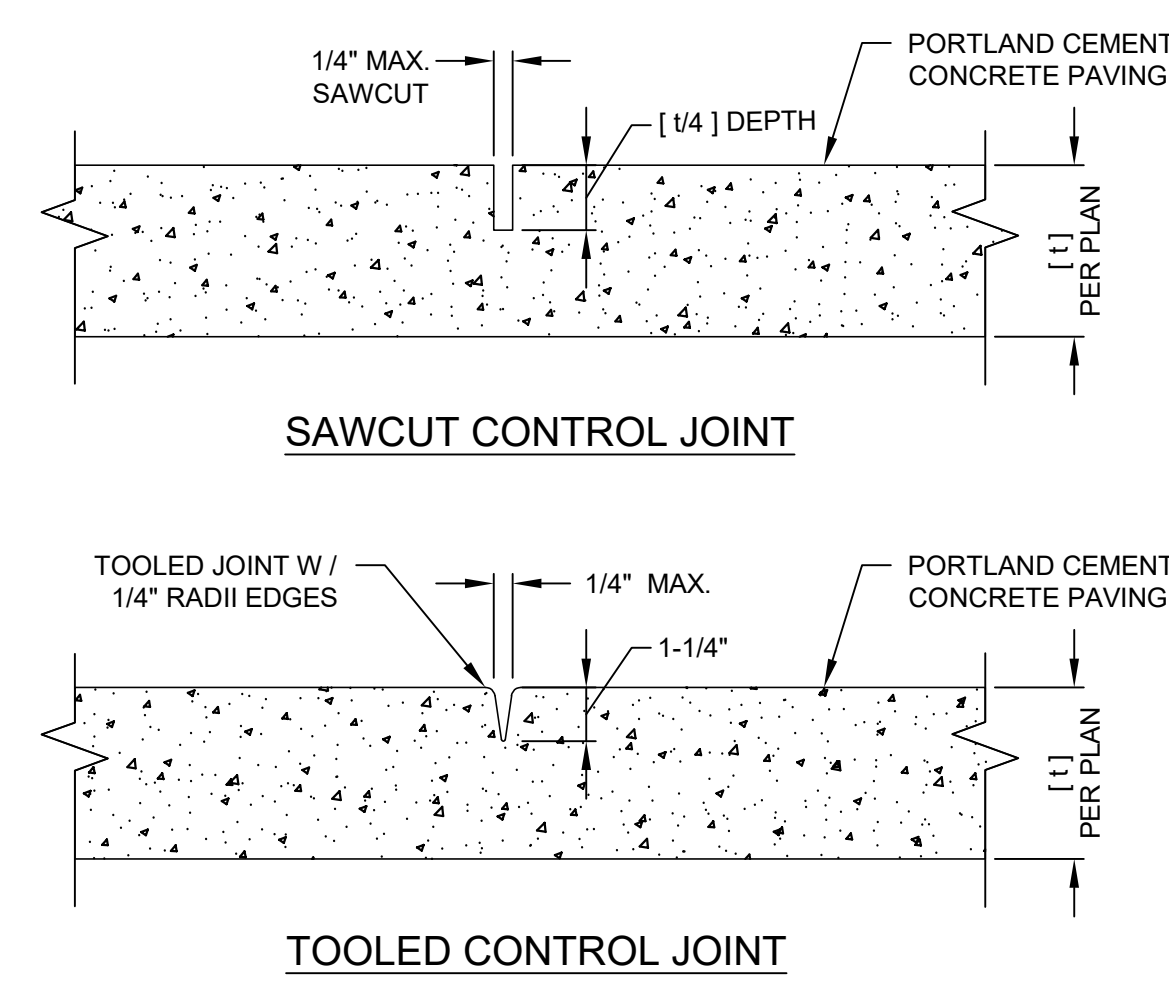
1 STANDARD CONCRETE CURB
SCALE: 1" = 1'



NOTES:

- WHERE CONCRETE WALK IS ADJACENT TO CURB, PROVIDE ISOLATION JOINT BETWEEN WALK AND BACK OF CURB.
- CONTROL JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 10' INTERVALS O.C. - ALL SIDES EXCEPT BOTTOM.
- WHERE WALK IS ADJACENT TO CURB, THE JOINTS SHALL ALIGN WITH THE JOINTS IN THE CURB.

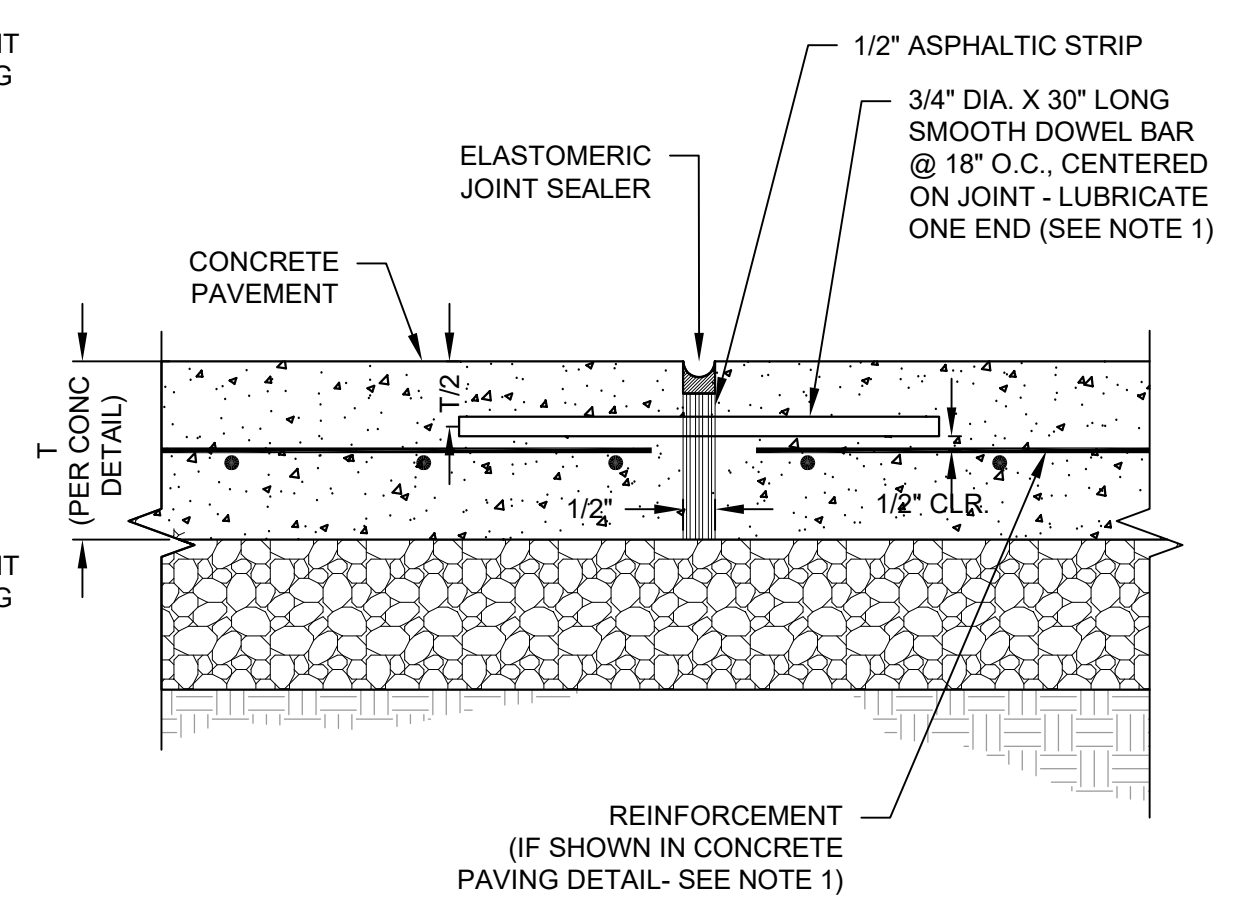
2 STANDARD CONCRETE CURB WITH GUTTER
SCALE: 1" = 1'



NOTES:

- CONTROL JOINTS SHALL BE CONSTRUCTED PER _____
- CONSTRUCT CONTROL JOINTS WITHIN 24 HOURS OF POUR.
- SEE PLAN FOR LOCATION OF CONTROL JOINTS.

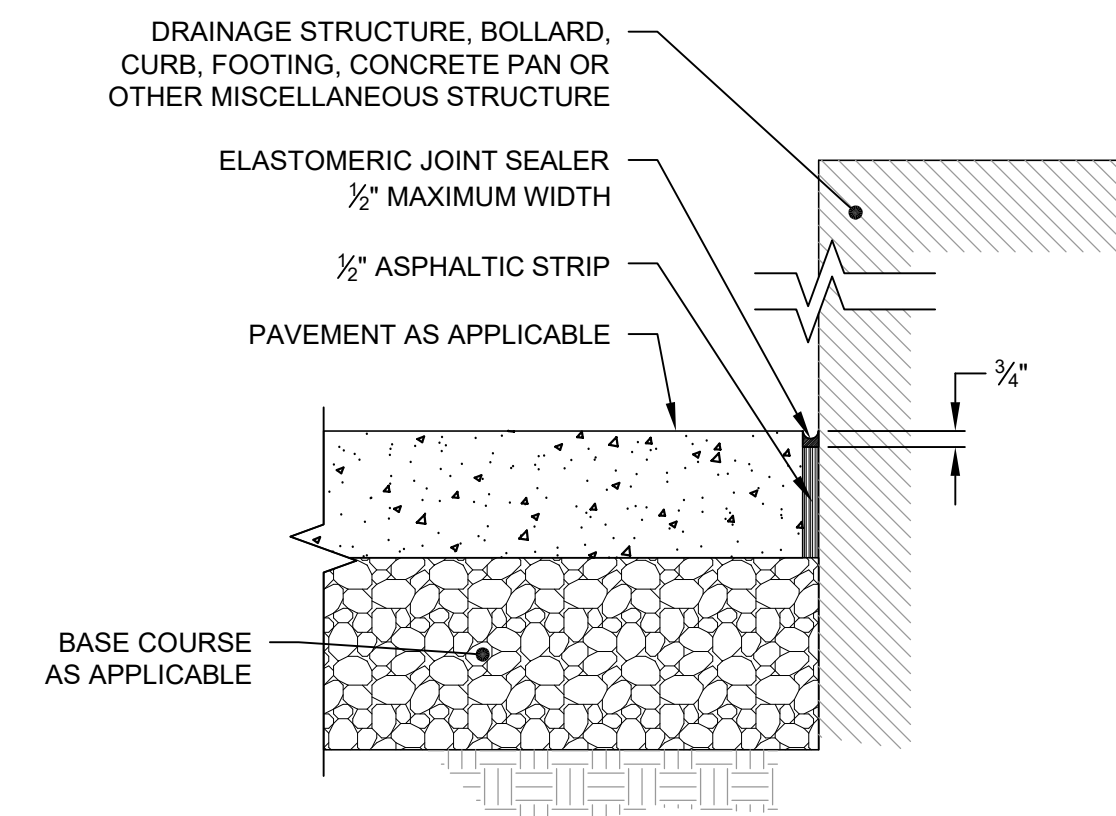
3 CONTROL JOINT FOR PEDESTRIAN CONCRETE PAVEMENT
SCALE: 1" = 1'



NOTES:

- FOR UN-REINFORCED PAVEMENT SECTIONS, DOWEL MAY BE ELIMINATED.
- REFER TO APPROPRIATE CONCRETE PAVEMENT DETAILS FOR THICKNESS OF PAVEMENT, AGGREGATE BASE, COMPACTION REQUIREMENTS AND SUBGRADE PREPARATION.
- EXPANSION JOINTS TO BE INSTALLED AT 8' ON CENTER.

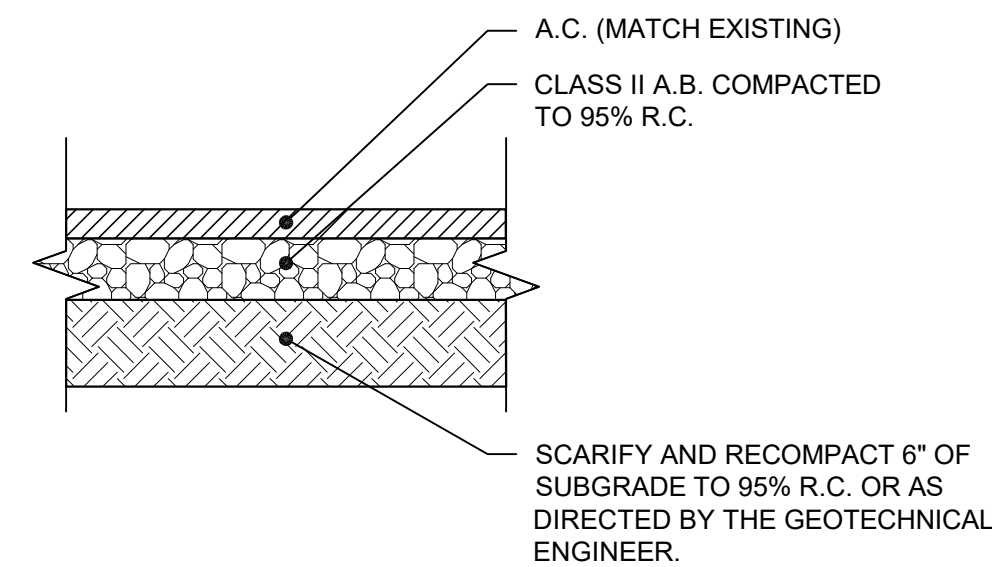
4 EXPANSION JOINT FOR CONCRETE PAVEMENT
SCALE: NTS



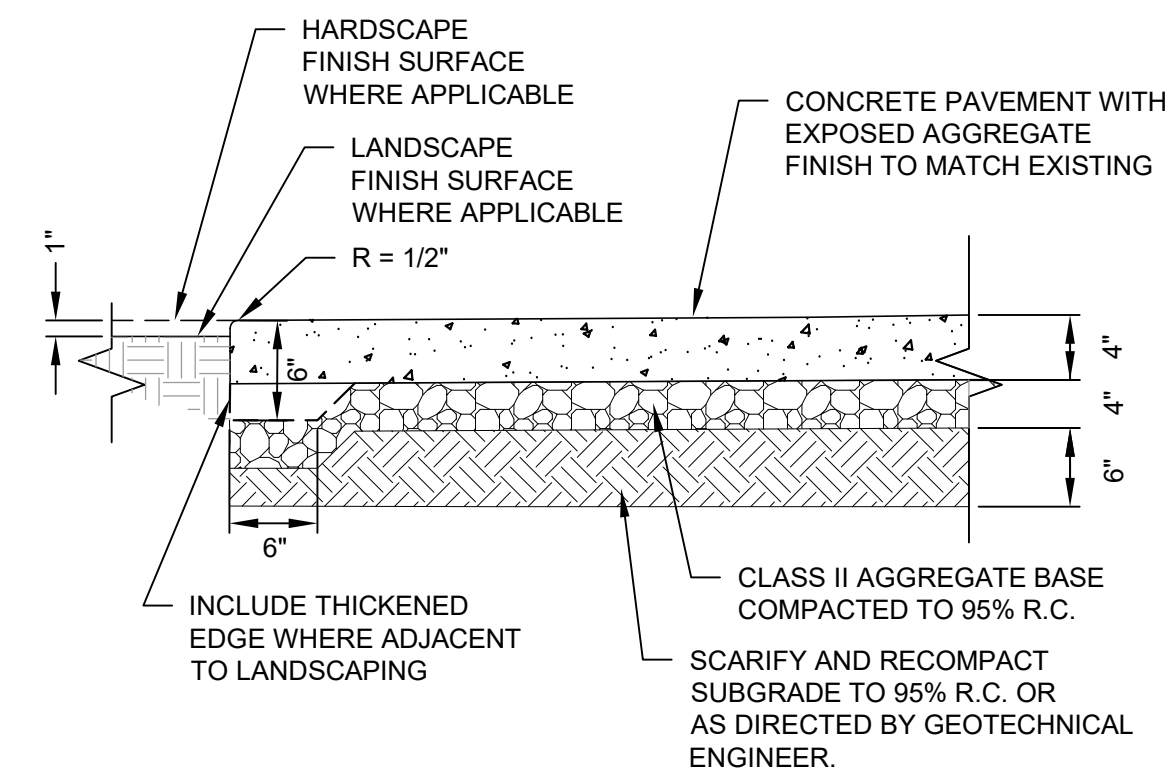
NOTE:

- REFER TO APPROPRIATE PAVEMENT DETAIL FOR INFORMATION ON PAVEMENT SECTION AND SUBGRADE PREPARATION.

5 ISOLATION JOINT AT STRUCTURE
SCALE: 1" = 1'



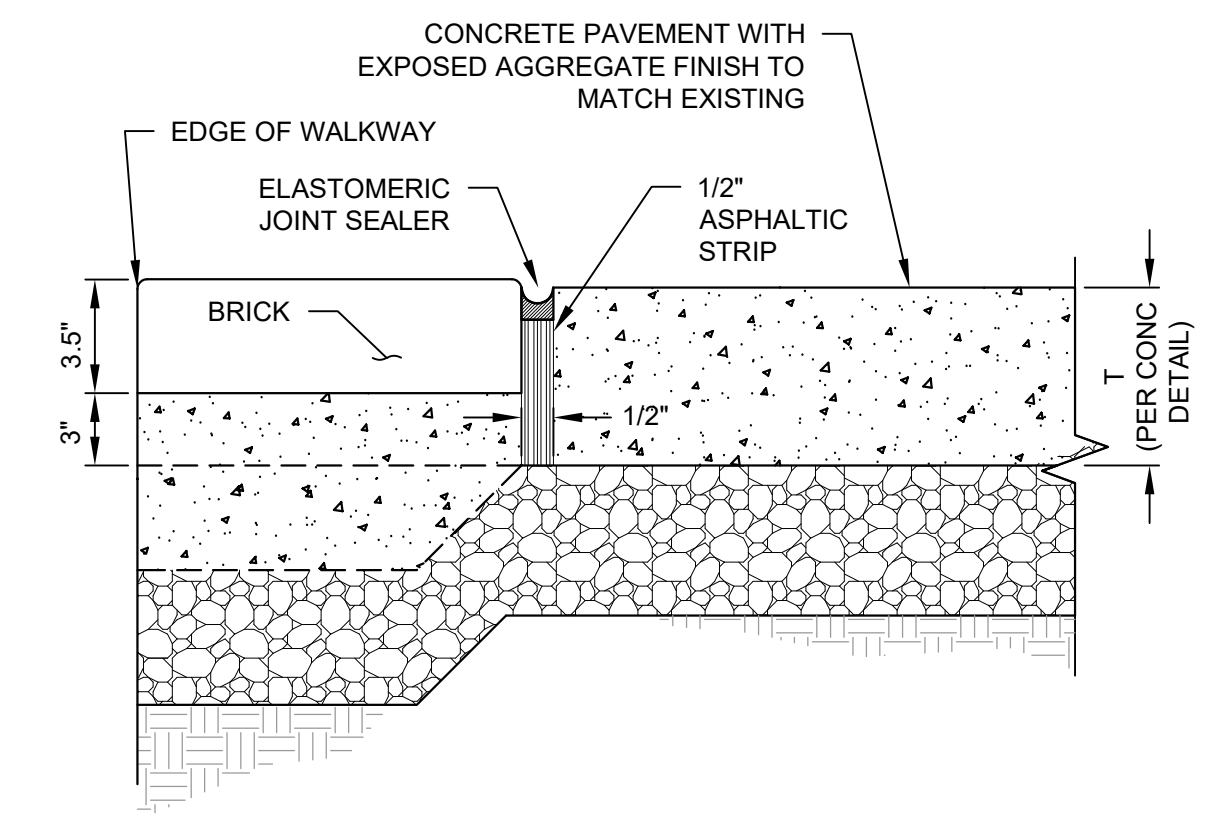
6 STANDARD ASPHALT PAVEMENT SECTION
SCALE: 1" = 1'



NOTES:

- ALL TREAD SURFACES SHALL BE SLIP RESISTANT.
- REFER TO [ARCHITECTURAL, LANDSCAPE, ETC.] DRAWINGS/ SPECIFICATIONS FOR COLOR, PATTERN, TEXTURE AND FINISH.
- SEE PLAN FOR LOCATION OF JOINTS.

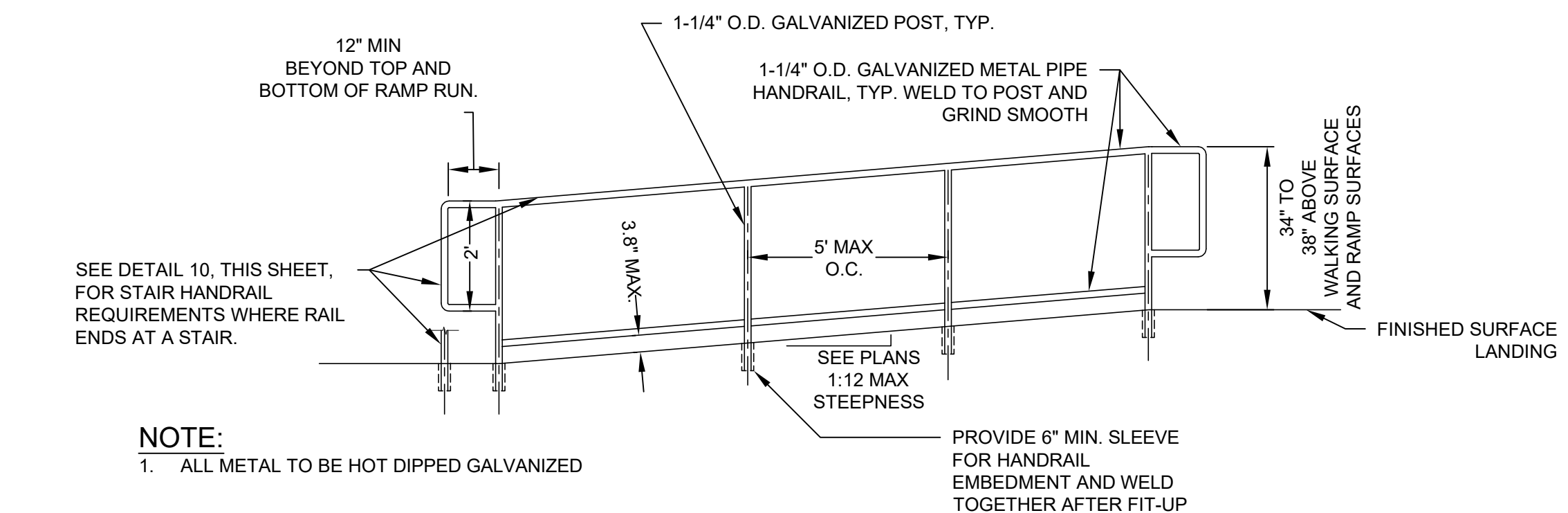
7 PEDESTRIAN CONCRETE SECTION
SCALE: 1" = 1'



NOTES:

- FOR UN-REINFORCED PAVEMENT SECTIONS, DOWEL MAY BE ELIMINATED.
- REFER TO APPROPRIATE CONCRETE PAVEMENT DETAILS FOR THICKNESS OF PAVEMENT, AGGREGATE BASE, COMPACTION REQUIREMENTS AND SUBGRADE PREPARATION.
- EXPANSION JOINTS TO BE INSTALLED AT 8' ON CENTER.

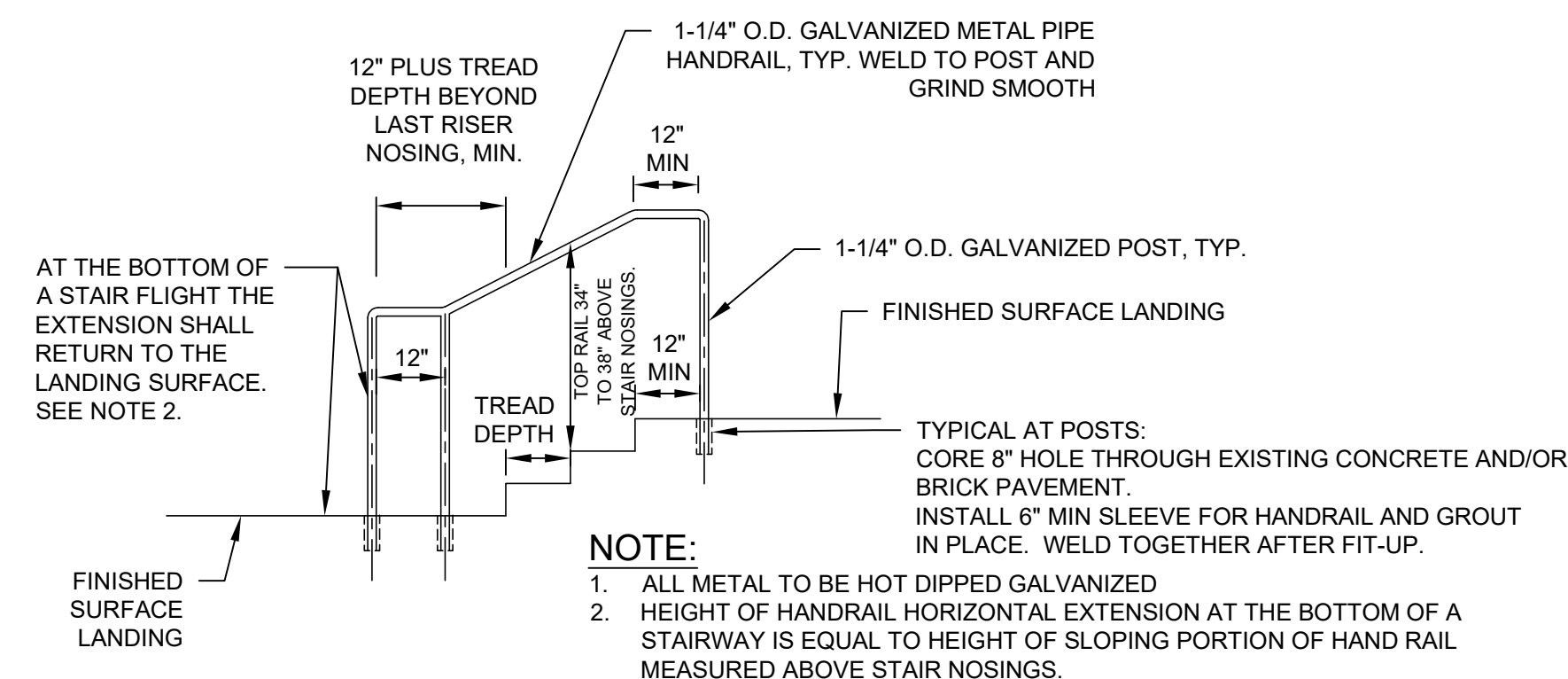
8 PEDESTRIAN CONCRETE SECTION (WITH BRICKS)
SCALE: NTS



NOTE:

- ALL METAL TO BE HOT DIPPED GALVANIZED

9 ACCESSIBILITY RAMP AND HANDRAILS
SCALE: NTS



10 STAIR AND HANDRAILS FOR STAIRS
SCALE: NTS

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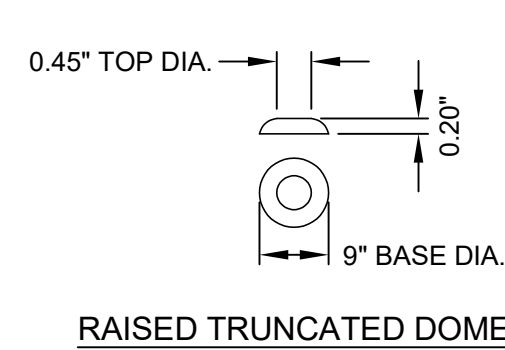
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SHEET TITLE

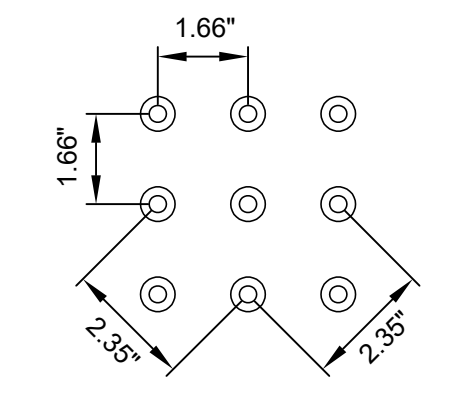
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SHEET NUMBER

C3.01

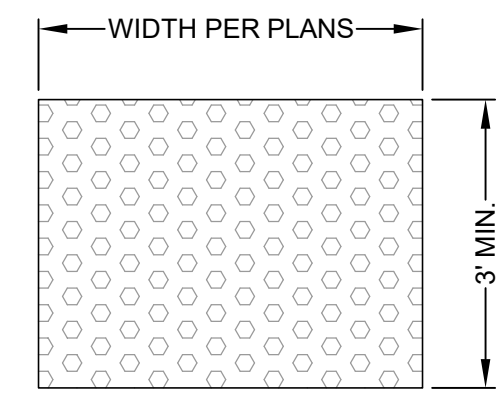


RAISED TRUNCATED DOME

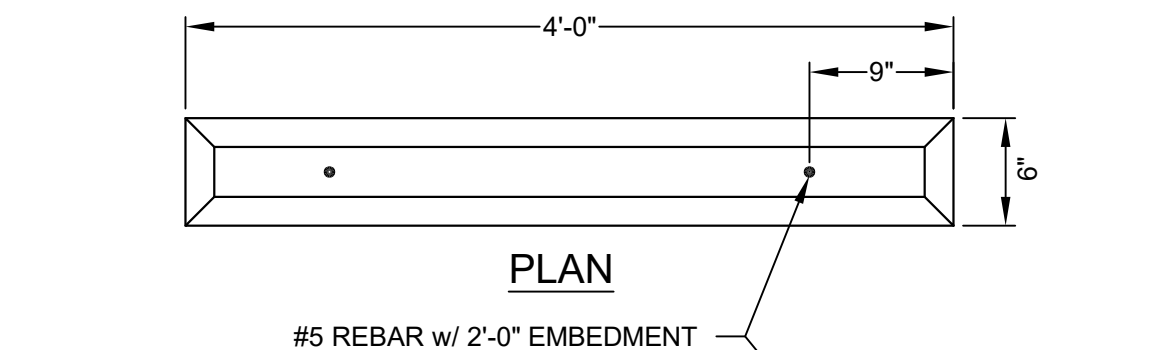


RAISED TRUNCATED DOME PATTERN (IN-LINE) DETECTABLE WARNING SURFACE

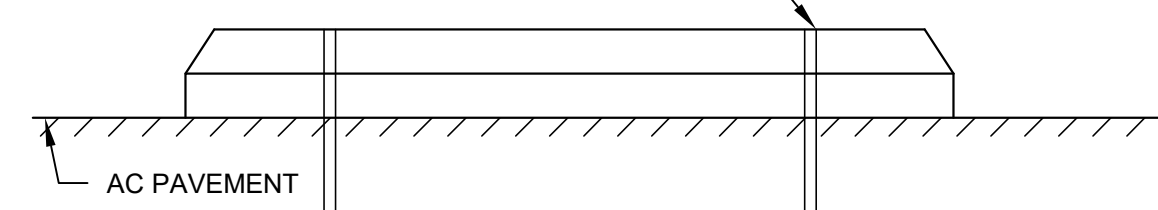
- NOTES:**
1. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP.
 2. DETECTABLE WARNING SURFACES TO BE YELLOW UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATIONS.
 3. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE.



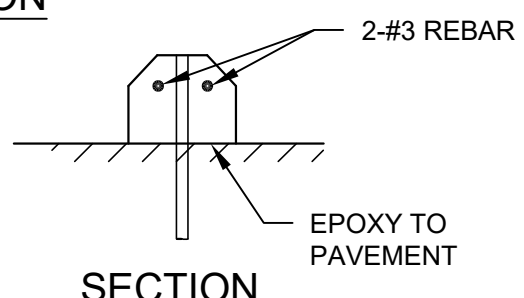
GROOVING DETAIL



PLAN



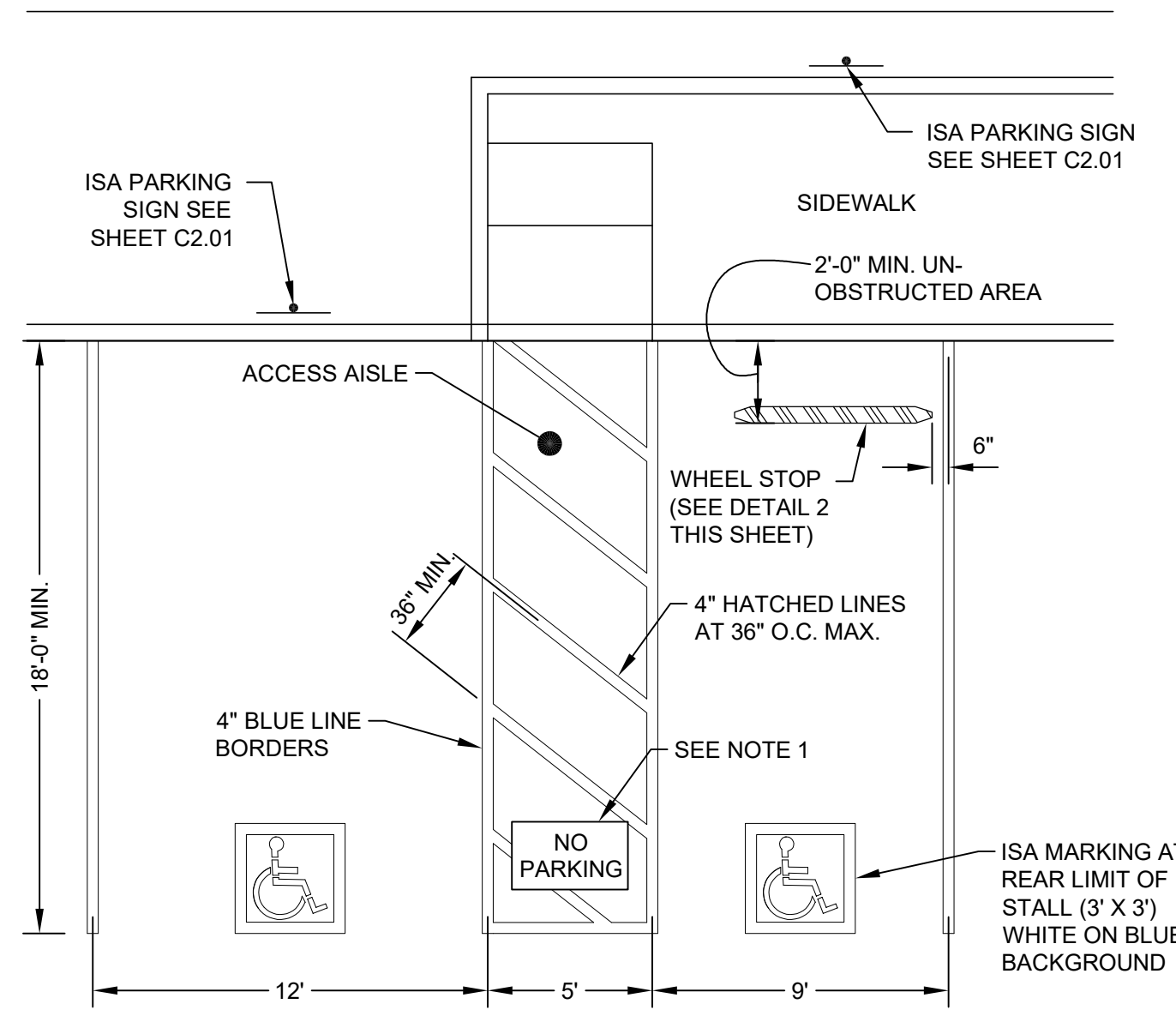
ELEVATION



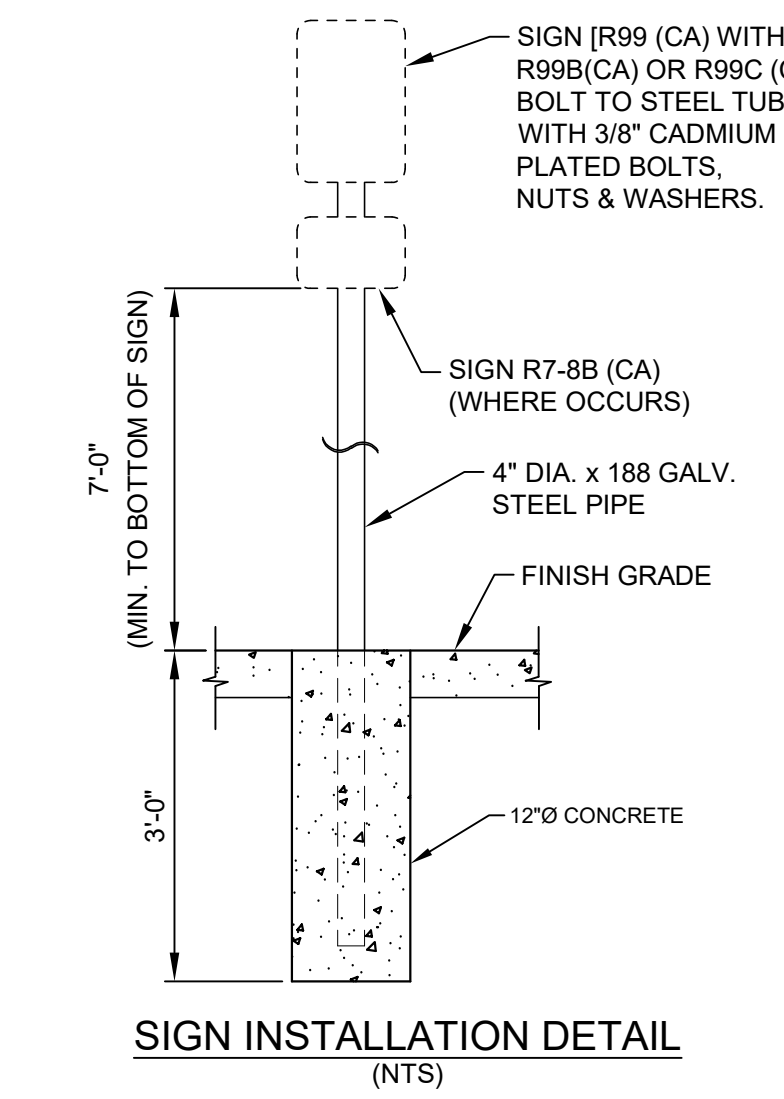
SECTION

1 DETECTABLE WARNING SURFACE SCALE: NTS

2 WHEEL STOP DETAIL SCALE: N.T.S.



- NOTES:**
1. THE WORDS "NO PARKING", SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH AND LOCATED SO THAT VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEE REVISED CALTRANS STD. PLAN RSP A90B FOR DETAILS OF THE "NO PARKING" PAVEMENT MARKING.
 2. WHERE A VAN ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE 8'-0" WIDE MINIMUM, AND SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
 3. WHERE A SINGLE (NON-VAN) ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
 4. A R100B (CA) SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL. THE SIGN SHALL INCLUDE THE ADDRESS WHERE THE TOWED VEHICLE MAY BE RECLAIMED AND THE TELEPHONE NUMBER OF THE LOCAL TRAFFIC LAW ENFORCEMENT AGENCY. (SEE PLAN FOR LOCATION)



SIGN INSTALLATION DETAIL (NTS)

SIGN (R99 (CA) WITH R99B(CA) OR R99C (CA)). BOLT TO STEEL TUBE WITH 3/8" CADMIUM PLATED BOLTS, NUTS & WASHERS.

SIGN R7-8B (CA) (WHERE OCCURS)

4" DIA. x 188 GALV. STEEL PIPE

FINISH GRADE

12"Ø CONCRETE

PLAQUE R99B (CA) USE WITH SIGN R99 (CA)

VAN ACCESSIBLE

SIGN R7-8B (CA) (NTS)

SIGN R99C (CA) (NTS)

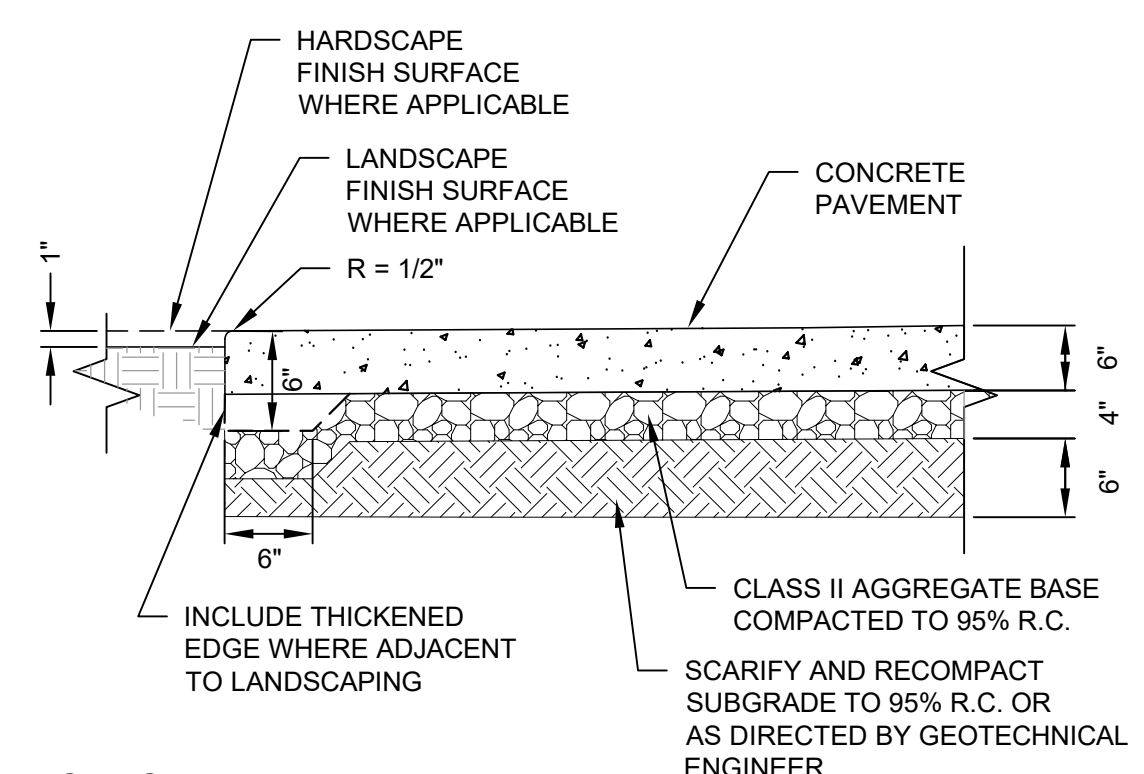
SIGN R100B (CA) (NTS)

UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNERS EXPENSE

TOWED VEHICLES MAY BE RECLAIMED AT (Insert Address)

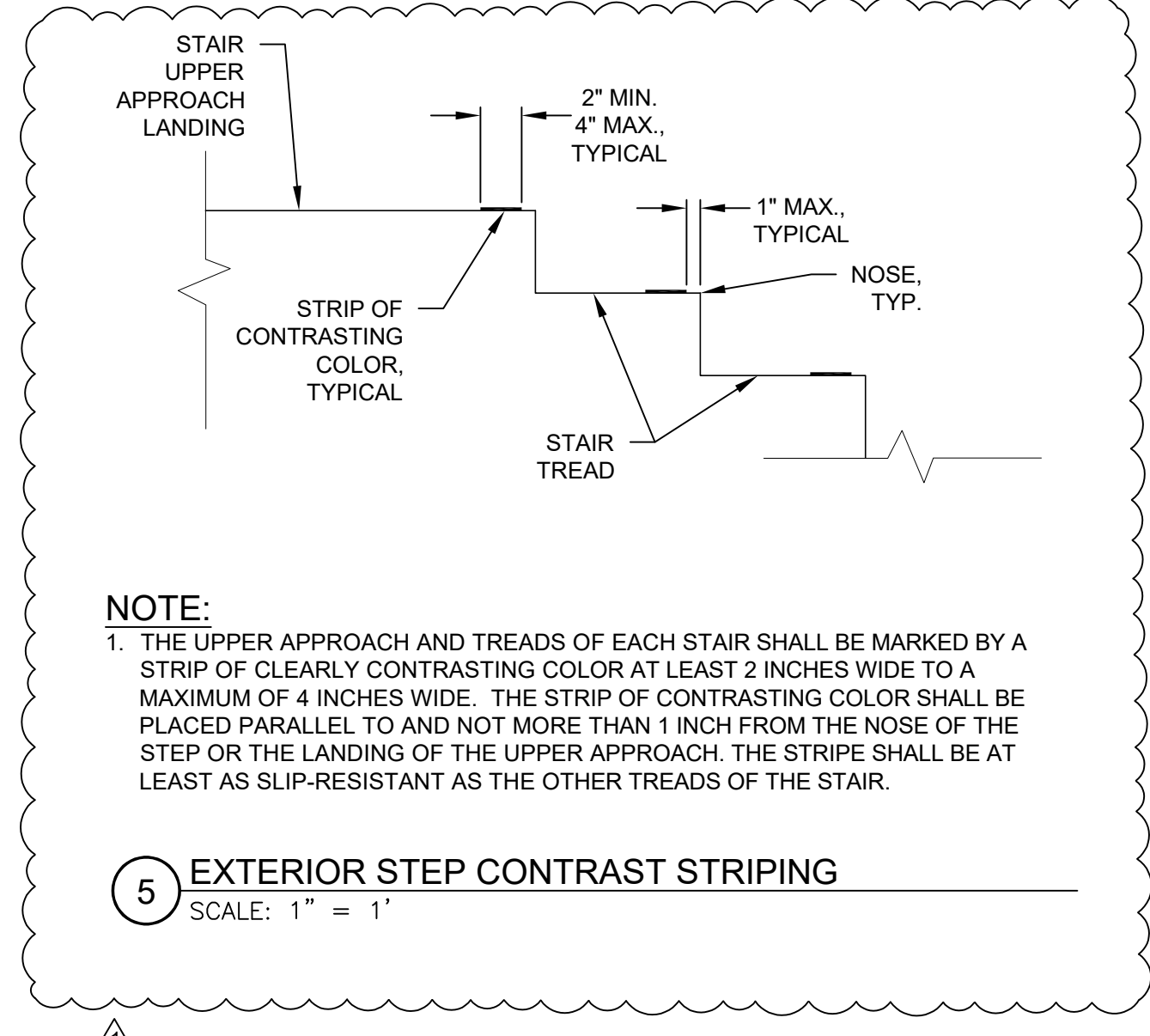
OR BY TELEPHONING (Insert Telephone Number)

3 DOUBLE ACCESSIBLE PARKING STALL SCALE: 1" = 5'



- NOTES:**
1. ALL TREAD SURFACES SHALL BE SLIP RESISTANT.
 2. REFER TO [ARCHITECTURAL, LANDSCAPE, ETC.] DRAWINGS/ SPECIFICATIONS FOR COLOR, PATTERN, TEXTURE AND FINISH.
 3. SEE PLAN FOR LOCATION OF JOINTS.

4 VEHICULAR CONCRETE SECTION SCALE: 1" = 1'



- NOTE:**
1. THE UPPER APPROACH AND TREADS OF EACH STAIR SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2 INCHES WIDE TO A MAXIMUM OF 4 INCHES WIDE. THE STRIP OF CONTRASTING COLOR SHALL BE PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP OR THE LANDING OF THE UPPER APPROACH. THE STRIPE SHALL BE AT LEAST AS SLIP-RESISTANT AS THE OTHER TREADS OF THE STAIR.

5 EXTERIOR STEP CONTRAST STRIPING SCALE: 1" = 1'

APPROVALS

NOLL & TAM
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CSW ST2
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Environmental Planning Land Planning
Construction Management

PROJECT TITLE
**SONOMA COUNTY
Healdsburg
Library Refresh**

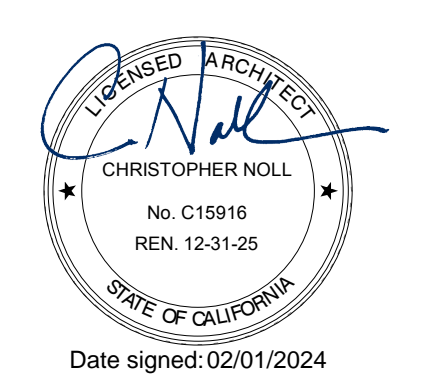
139 PIPER ST
HEALDSBURG, CA 95448

PERMIT SUBMITTAL

ISSUE DATE	01/29/2024
N&T JOB NUMBER	22212.00
REVISIONS	
DATE	DESCRIPTION
04/24/24	PERMIT SET COMMENTS 1

SHEET TITLE
DETAILS

SHEET NUMBER
C3.02



Date signed: 02/01/2024

SYMBOLS LEGEND

GRID LINES

 NEW
 EXISTING

DETAIL MARK

 DETAIL DESIGNATION
 SHEET NUMBER
 DIRECTION OF DETAIL

SECTION MARK

 DETAIL DESIGNATION
 SHEET NUMBER
 DIRECTION OF DETAIL

EXTERIOR ELEVATION

 DIRECTION OF DETAIL
 DETAIL DESIGNATION
 SHEET NUMBER

INTERIOR ELEVATION

 ELEVATION NUMBER
 DIRECTION/VIEW SHOWN
 SHEET NUMBER

REVISION MARK

 AREA CONSIDERED
 REVISION NUMBER

NORTH ARROW

 DIRECTION OF TRUE NORTH
 DIRECTION OF SHEET NORTH

WORK POINT (PLAN)

DATUM LEVEL

 NAME
 ELEVATION

PROPERTY LINE

KEYNOTE TAG

 ROOM NAME
 ROOM NAME

ROOM TAG

 PARTITION TYPE ID
 HEIGHT
 FRAMING SIZE

INTERIOR PARTITION TAG

 EXTERIOR WALL TYPE ID

EXTERIOR WALL TAG

 DOOR NUMBER

DOOR TAG

 GLAZING TYPE MARK

GLAZING TAG

 MATERIAL / FINISH
 DEPTH
 HEIGHT
 WIDTH

CASEWORK TAG
 NUMBER (WOOD INSTITUTE # OR OTHER)

LIBRARY STACK TAG

 TYPE IDENTIFICATION

EQUIPMENT TAG

 EQUIPMENT NUMBER
 COMMENTS

SIGNAGE TAG

 DETAIL NUMBER
 COMMENTS
 SHEET NUMBER
 SIGN TEXT ON TWO LINES

FIRE EXTINGUISHER TAG
 F.E.

ABBREVIATIONS

&	AND	CEM	CEMENT/CEMENTITIOUS	DN	DOWN	FOC	FACE OF CONCRETE	HM	HOLLOW METAL	MTD	MOUNTED	PT	POINT/PRESSURE TREATED	SH	SINGLE HUNG	TO	TOP OF
(E)	EXISTING	CER	CERAMIC	DR	DOOR	FOF	FACE OF FINISH	HORIZ	HORIZONTAL	MTL	METAL	PTD	PAINTED	SHT	SHEET	TOC	TOP OF CONCRETE/CURB
(N)	NEW	CFMF	COLD FORMED METAL FRAMING	DS	DOWNSPOUT	FOS	FACE OF STUD	HR	HOUR	MUL	MULLION	PVC	POLYVINYLCHLORIDE	SHTG	SHEATHING	TOP	TOP OF PAVING
@	AT	CI	CAST IRON	DTL	DETAIL	FR	FIRE RESISTANT/FIRE RETARDANT	HT	HEIGHT	N	NORTH	QTY	QUANTITY	SIM	SIMILAR	TOS	TOP OF STEEL
AB	ANCHOR BOLT	CJ	CONTROL JOINT	DWG	DRAWING	FRP	FIBERGLASS REINFORCED PANEL	HVAC	HEATING VENTILATION & AIR CONDITIONING	NA	NOT APPLICABLE	R	RISER	SLD	SEE LANDSCAPE DRAWINGS	TOW	TOP OF WALL
AC	ASPHALTIC CONCRETE	CLG	CEILING	DWR	DRAWER	FRP	FIBERGLASS REINFORCED PANEL	NIC	NOT IN CONTRACT	NO	NUMBER	RAD	RADIUS	SMD	SEE MECHANICAL DRAWINGS	TRANS	TRANSPARENT
ACC	ACCESS	CLKG	CAULKING	E	EAST	FRT	FIRE RETARDANT TREATED	ID	INSIDE DIAMETER	NOM	NOMINAL	RD	ROOF DRAIN	SOG	SLAB ON GRADE	TS	TUBE STEEL
ACOUS	ACOUSTICAL	CLO	CLOSET	EA	EACH	FSP	FIBERGLASS SANDWICH PANEL	IF	INSIDE FACE	NO	NUMBER	REF	REFERENCE	SP	SPACE	TYP	TYPICAL
ACT	ACOUSTIC CEILING TILE	CLR	CLEAR	EJ	EXPANSION JOINT	FT	FOOT/FEET	INC	INCANDESCENT	NTS	NOT TO SCALE	REFR	REFRIGERATOR	SPA	SANDWICH PANEL ASSEMBLY	UON	UNLESS OTHERWISE NOTED
AD	AREA DRAIN	CMU	CONCRETE MASONRY UNIT	ELEC	ELECTRICAL	FTG	FOOTING	INCL	INCLUDE/INCLUDING	OA	OVERALL	REG	REGISTER	SPD	SEE PLUMBING DRAWINGS	UR	URINAL
ADDL	ADDITIONAL	CNTR	COUNTER	ELEV	ELEVATION/ELEVATOR	FURN	FURNITURE	INSUL	INSULATION	OC	ON CENTER	REINF	REINFORCE/REINFORCING	SPEC	SPECIFICATION	VCT	VINYL COMPOSITION TILE
ADJ	ADJACENT/ADJUSTABLE	CO	CLEAN OUT	ENLG	ENLARGED	FX	FIXED	INT	INTERIOR	OCC	OCCUPANT	REQD	REQUIRED	SQ	SQUARE	VENT	VENTILATION
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	COL	COLUMN	EOS	EDGE OF SLAB	GA	GAUGE	JAN	JANITOR	OD	OUTSIDE DIAMETER/OVERFLOW DRAIN	REQT	REQUIREMENTS	SS	STAINLESS STEEL	VERT	VERTICAL
AFF	ABOVE FINISHED FLOOR	CONC	CONCRETE	EP	ELECTRICAL PANEL	GALV	GALVANIZED	JBOX	JUNCTION BOX	OF	OUTSIDE FACE	RES	RESILIENT	SSD	SEE STRUCTURAL DRAWINGS	VEST	VESTIBULE
AGG	AGGREGATE	CONN	CONNECTION	EQ	EQUAL	GB	GRAB BAR	JST	JOIST	OFCl	OWNER FURNISHED CONTRACTOR INSTALLED	REV	REVISION	SSGD	SEE SIGNAGE DRAWINGS	VIF	VERIFY IN FIELD
ALT	ALTERNATE	CONT	CONTINUOUS	EQUIP	EQUIPMENT	GC	GENERAL CONTRACTOR	JT	JOINT	OFD	OVERFLOW DRAIN	RM	ROOM	STD	STANDARD	W	WEST / WIDTH / WIDE
ALUM	ALUMINUM	CONTR	CONTRACTOR	EW	ELECTRIC WATER COOLER	GFI	GROUND FAULT INTERRUPT	LAM	LAMINATE	OFF	OFFICE	RO	ROUGH OPENING	SSTL	STAINLESS STEEL	W/	WITH
ANOD	ANODIZED	CORR	CORRIDOR	EXH	EXHAUST	GL	GALVANIZED IRON	LAV	LAVATORY	OPNG	OPENING	RWL	RAIN WATER LEADER	STD	STANDARD	WO	WITHOUT
APPROX	APPROXIMATE	CPT	CARPET	EXP	EXPANSION	GI	GALVANIZED IRON	LB	LAG BOLT	OFF	OFFICE	S	SOUTH	STED	SEE TELECOM DRAWINGS	WC	WATER CLOSET
AV	AUDIO VISUAL	CSMT	CASEMENT	EXT	EXTERIOR	GL	GLASS/GLAZING	LF	LINEAR FEET	OP	OPERABLE	SASF	SELF ADHERING SHEET FLASHING	STL	STEEL	WD	WOOD
BD	BOARD	CTR	CENTER	FA	FIRE ALARM	GLAM	GLUE LAMINATED	LKR	LOCKER	OPNG	OPENING	SASM	SELF ADHERING SHEET MEMBRANE	STOR	STORAGE	WH	WATER HEATER
BLDG	BUILDING	FD	FLOOR DRAIN	FIN	FINISH	GR	GRADE	LT	LIGHT	OPP	OPPOSITE	SUSP	SUSPENDED	STRUC	STRUCTURAL	WIN	WINDOW
BLK	BLOCK	FDN	FOUNDATION	FIN FLR	FINISH FLOOR	GSM	GALVANIZED SHEET METAL	MAS	MASONRY	OPP HD	OPPOSITE HAND	SYS	SUSPENDED	STRUC	STRUCTURAL	WO	WHERE OCCURS
BLKG	BLOCKING	FE	FIRE EXTINGUISHER	FLR	FLOOR	GWB	GYPSUM WALL BOARD	MATL	MATERIAL	PA	PUBLIC ADDRESS	T	TREAD	SUSP	SUSPENDED	WP	WORK POINT
BM	BEAM	FEC	FIRE EXTINGUISHER CABINET	FLRG	FLOORING	GYP	GYPSUM	MAX	MAXIMUM	PARTN	PARTITION	T&G	TONGUE & GROOVE	SYS	SYSTEM	WR	WATER RESISTANT
BO	BOTTOM OF	FHC	FIRE HOSE CABINET	FLR	FLOOR	H	HIGH / HEIGHT	MB	MACHINE BOLT	PCP	PORTLAND CEMENT PLASTER	TBD	TO BE DETERMINED	T	TREAD	WSC	WOOD SOLID CORE
BOT	BOTTOM	FIN	FINISH	FLR	FLOOR	HB	HOSE BIB	MECH	MECHANICAL	PL	PLATE	TEL	TELEPHONE	T	TREAD	WT	WEIGHT
BUR	BUILT UP ROOF	FIN FLR	FINISH FLOOR	FLR	FLOOR	HC	HOLLOW CORE	MET	METAL	PLAM	PLASTIC LAMINATE	TEMP	TEMPERED	THK	THICK/THICKNESS		
CAB	CABINET	FIXT	FIXTURE	FLR	FLOOR	HD	HEAD	MFR	MANUFACTURER	PLAS	PLASTIC	THRESH	THRESHOLD	THK	THICK/THICKNESS		
CB	CARRIAGE BOLT	HDR	HEADER	FLRG	FLOORING	HDW	HARDWARE	MH	MANHOLE	PLY	PLYWOOD	THRESH	THRESHOLD	THK	THICK/THICKNESS		
CE	CIVIL ENGINEER	HDW	HARDWARE	FLUOR	FLUORESCENT	HDWD	HARDWOOD	MIN	MINIMUM	PR	PAIR	TJI	TRUSS JOIST	THRESH	THRESHOLD		
		DISP	DISPOSAL					MISC	MISCELLANEOUS	PROJ	PROJECT/PROJECTOR						

SEAL

APPROVALS

PROJECT TITLE

4/30/2024
Healdsburg Library Refresh

139 PIPER ST
 HEALDSBURG, CA 95448

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ISSUE DATE: 04/30/2024
 N&T JOB NUMBER: 22212.00

REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

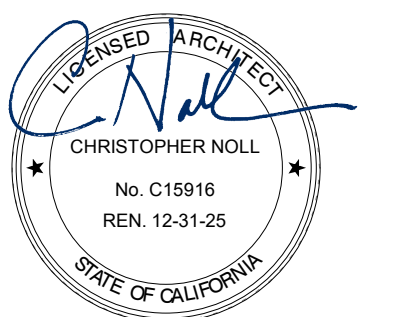
SHEET TITLE

ABBREVIATIONS / SYMBOLS

SHEET NUMBER

A0.01

SEAL



APPROVALS

PROJECT TITLE

4/30/2024
Healdsburg
Library Refresh

139 PIPER ST
HEALDSBURG, CA 95448

PERMIT SET

ISSUE DATE: 04/30/2024
N&T JOB NUMBER: 22212.00

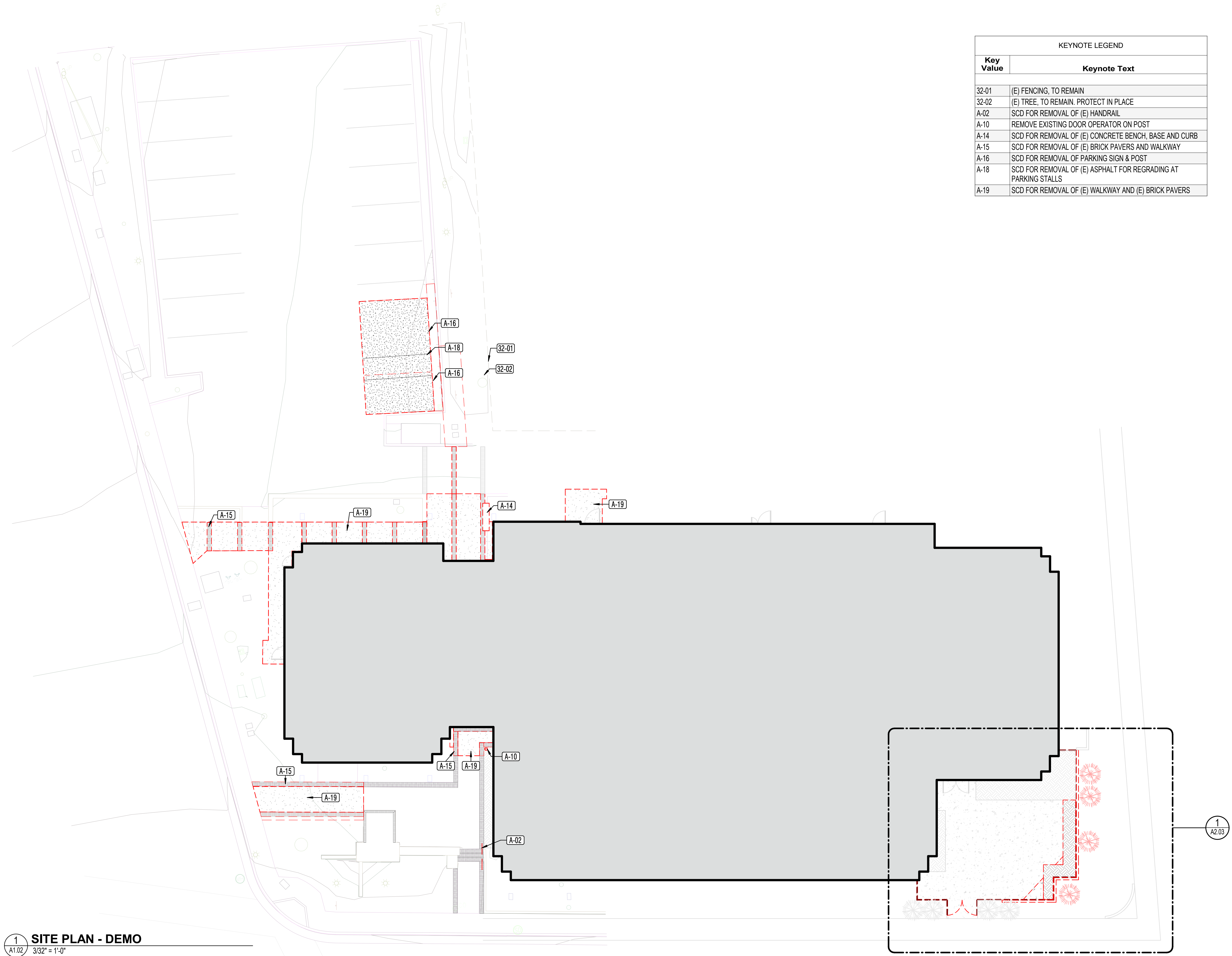
REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

SHEET TITLE
SITE DEMOLITION PLAN

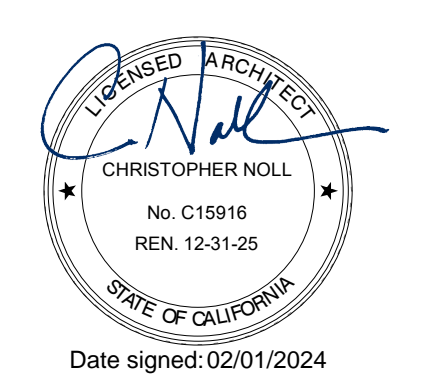
SHEET NUMBER

A1.02

KEYNOTE LEGEND	
Key Value	Keynote Text
32-01	(E) FENCING, TO REMAIN
32-02	(E) TREE, TO REMAIN. PROTECT IN PLACE
A-02	SCD FOR REMOVAL OF (E) HANDRAIL
A-10	REMOVE EXISTING DOOR OPERATOR ON POST
A-14	SCD FOR REMOVAL OF (E) CONCRETE BENCH, BASE AND CURB
A-15	SCD FOR REMOVAL OF (E) BRICK PAVERS AND WALKWAY
A-16	SCD FOR REMOVAL OF PARKING SIGN & POST
A-18	SCD FOR REMOVAL OF (E) ASPHALT FOR REGRADING AT PARKING STALLS
A-19	SCD FOR REMOVAL OF (E) WALKWAY AND (E) BRICK PAVERS



1 SITE PLAN - DEMO
A1.02 3/32" = 1'-0"



SEAL

APPROVALS

PROJECT TITLE

4/30/2024
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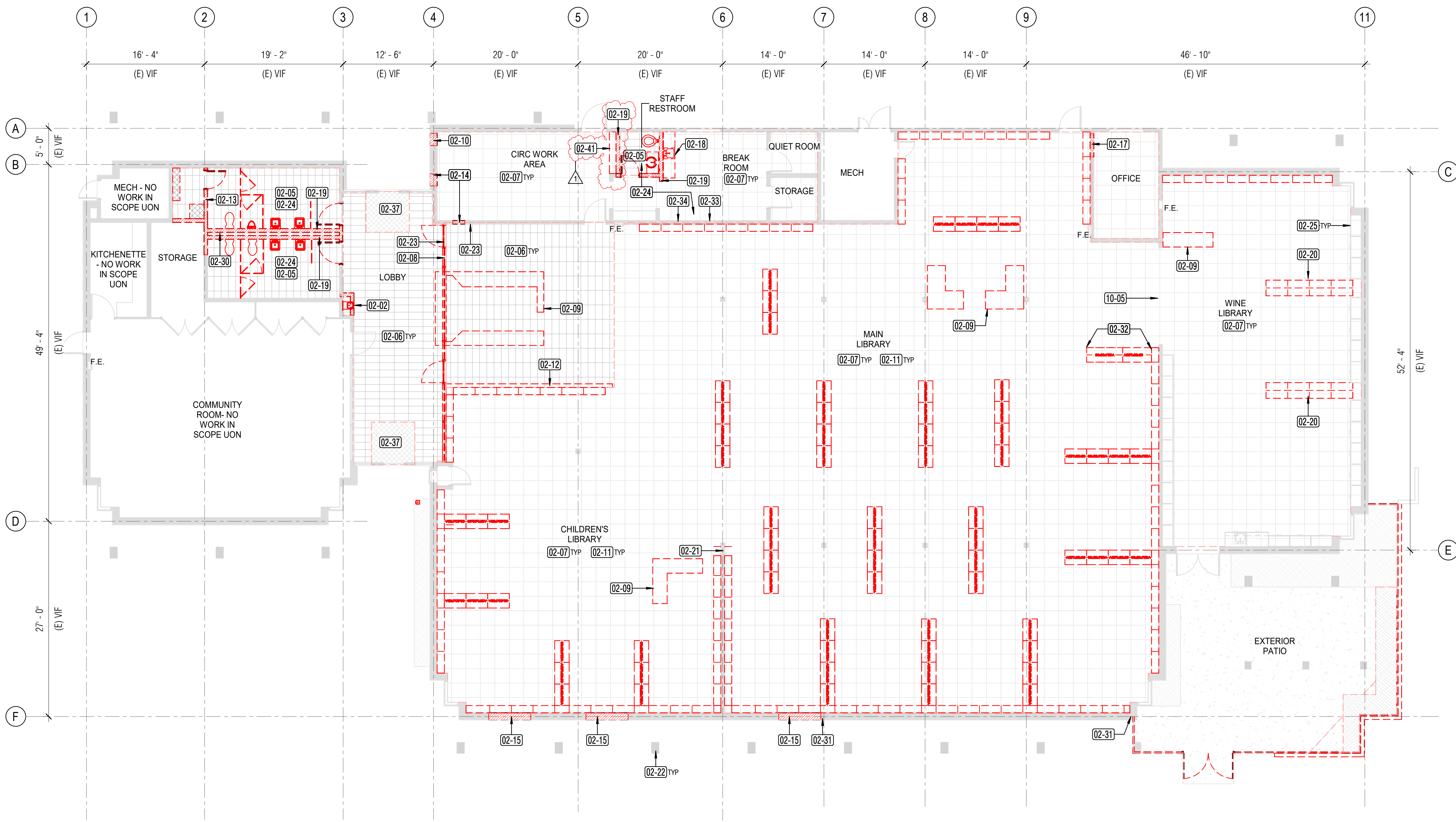
REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

SHEET TITLE

DEMOLITION PLAN

SHEET NUMBER

A1.31



1 DEMOLITION PLAN
A1.31 1/8" = 1'-0"

GENERAL NOTES

- (E) DIMENSIONS PROVIDED ON THE DRAWINGS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL PROVIDE FIELD VERIFICATION AS REQUIRED IN AREA OF WORK
- SEE PLANS BY STRUCTURAL, MECHANICAL, ELECTRICAL AND LV FOR MORE INFORMATION
- PROVIDE DEMO OF EXISTING FLOOR DRAIN AND CONCRETE SLAB, AS REQUIRED FOR NEW DRAIN AND PLUMBING CONNECTIONS. SPD REMOVE ALL EXISTING INTERIOR SIGNAGE UNLESS OTHERWISE NOTED

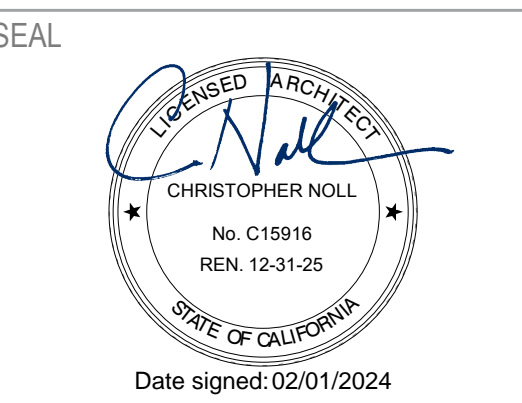
KEY

- (E) ITEM TO REMAIN
- (E) ITEM TO BE DEMOLISHED

Key Value	Keynote Text
02-02	REMOVE EXISTING DRINKING FOUNTAIN
02-05	REMOVE EXISTING PLUMBING FIXTURES AND TOILET ACCESSORIES. REMOVE WALL FINISHES TO STUD. REMOVE EXISTING FLOOR FINISHES TO CONCRETE.
02-06	REMOVE EXISTING TILE FLOOR FINISH, INCLUDING BASE
02-07	REMOVE EXISTING CARPET FLOOR FINISH, INCLUDING BASE
02-08	REMOVE EXISTING WALL TO WALL WINDOW STOREFRONT UNIT INCLUDING DOORS
02-09	REMOVE EXISTING CIRCULATION DESK, BASE CABINETS, AND GLASS SCREEN
02-10	REMOVE PORTION OF EXISTING WALL FOR AUTOMATED BOOK SLOT DROP
02-11	SHELVING CONTRACTOR TO REMOVE EXISTING FREE STANDING AND WALL MOUNTED BOOKSHELVING UNITS THROUGHOUT LIBRARY NIC.
02-12	REMOVE EXISTING LOW HEIGHT WALL

Key Value	Keynote Text
02-13	REMOVE EXISTING WALL AND DOOR
02-14	REMOVE PORTION OF EXISTING WALL FOR MANUAL BOOK SLOT DROP
02-15	REMOVE PORTION OF EXISTING EXTERIOR WALL FOR WINDOW OPENING
02-17	REMOVE PORTION OF EXISTING WALL FOR DOOR OPENING
02-18	REMOVE EXISTING KITCHENETTE CASEWORK AND APPLIANCES
02-19	REMOVE EXISTING FULL HEIGHT WALL
02-20	REMOVE EXISTING PENINSULA BOOKSHELF CASEWORK UNITS
02-21	EXISTING WALL TO REMAIN, SHELVING CONTRACTOR TO REMOVE WALL MOUNTED BOOKSHELVES ONLY
02-22	EXISTING COLUMN TO REMAIN, TYP
02-23	REMOVE EXISTING DOOR ACTUATOR BUTTON
02-24	DEMO OF DRAIN AND CONCRETE SLAB AS REQUIRED FOR NEW DRAIN CONNECTIONS

Key Value	Keynote Text
02-25	EXISTING CASEWORK TO REMAIN IN PLACE. PROTECT IN PLACE, TYP.
02-30	REMOVE EXISTING CONCRETE CURB
02-31	DEMO GYP BOARD FINISH ALONG GRIDLINE F WHERE NEW SHEAR WALL PLYWOOD IS PROVIDED, SEE STRUCTURAL DWGS
02-32	REMOVE EXISTING DISPLAY CASEWORK
02-33	REMOVE AND REPLACE WALL FINISH FOR POKE THROUGH LOCATIONS, COORDINATE EXTENTS WITH SED
02-34	REMOVE AND SALVAGE ITEMS LOCATED ALONG THIS WALL (BULLETIN BOARDS, ART WORK, ETC) AND DELIVER TO OWNER.
02-37	REMOVE EXISTING WALKOFF MAT
02-41	REMOVE EXISTING FULL HEIGHT CASEWORK
10-05	EXISTING LARGE WINE LIBRARY SIGN ABOVE ENTRY TO REMAIN



APPROVALS

PROJECT TITLE
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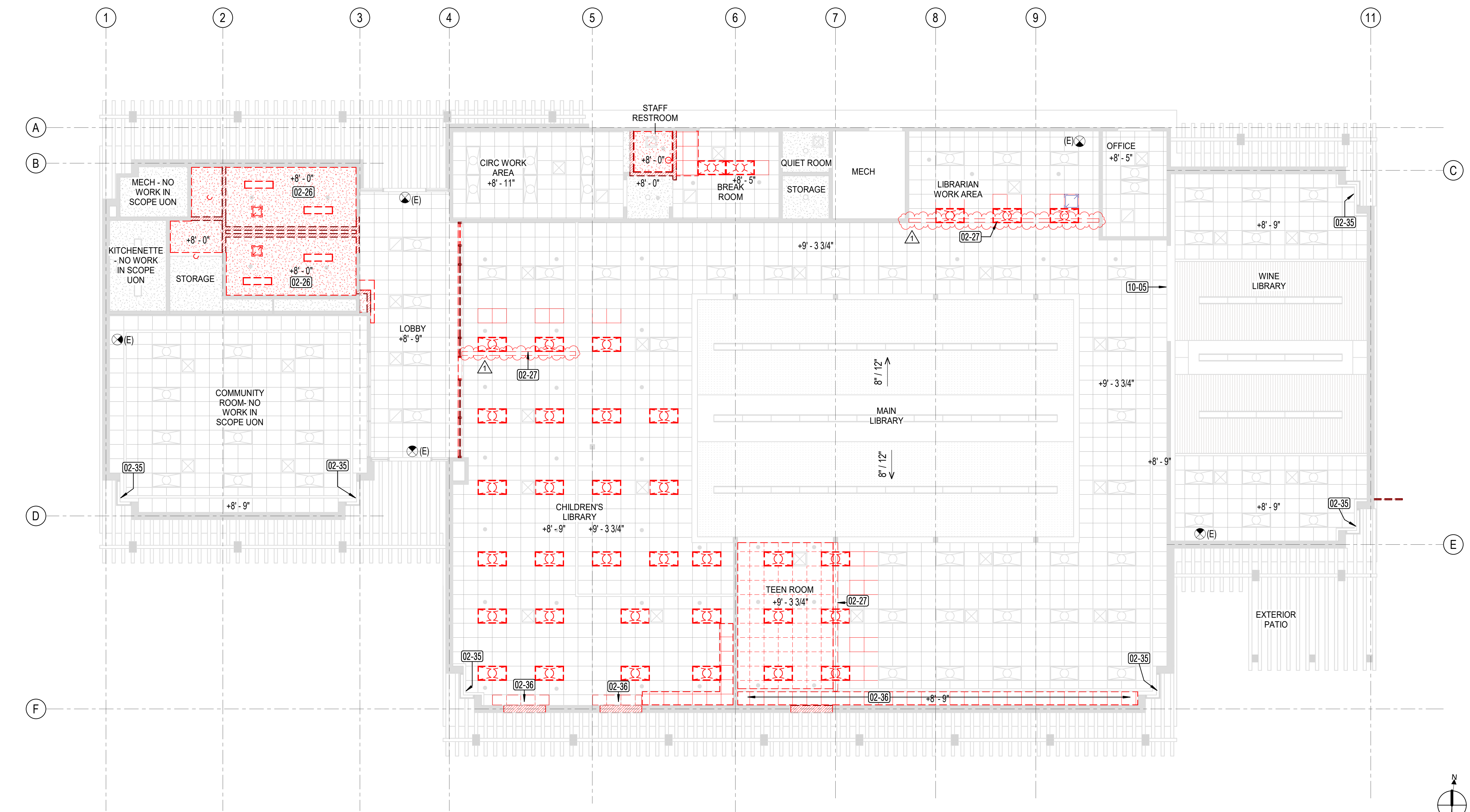
N&T JOB NUMBER: 22212.00

REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

SHEET TITLE
DEMOLITION RCP

SHEET NUMBER

A1.41

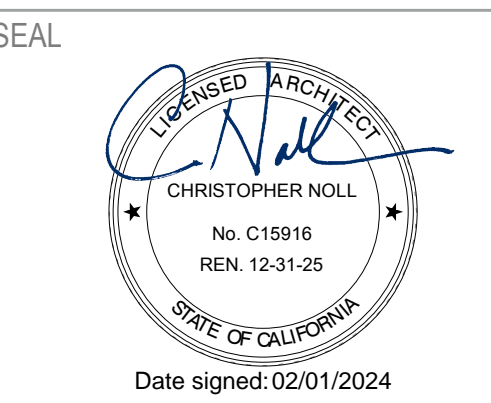


1 DEMOLITION REFLECTED CEILING PLAN
A1.41 1/8" = 1'-0"

LEGEND

- (E) PARTITION TO REMAIN
 - (E) 24"x24" SUSPENDED CEILING GRID AND PANELS TO REMAIN
 - (E) SLATWOOD CEILING TO REMAIN
 - (E) GYP BD CEILING TO REMAIN
 - (E) ACOUSTIC CEILING TO REMAIN
 - (E) EXTERIOR TRELLIS TO REMAIN
 - (E) PARTITION TO BE REMOVED
 - (E) 24"x24" SUSPENDED GRID CEILING TO REMAIN, REMOVE AND SALVAGE PANELS FOR RE-INSTALLATION TO ADJACENT AREAS TO FILL VACANT LOCATION OF LIGHT FIXTURES
 - (E) GYP BD CEILING TO BE REMOVED
 - (E) LIGHT FIXTURE TO BE REMOVED, SED
- SMD, SED, SPD FOR ADDITIONAL LEGEND INFORMATION

KEYNOTE LEGEND	
Key Value	Keynote Text
02-26	EXISTING CEILING FRAMING TO REMAIN, REMOVE GYP BD ONLY
02-27	EXISTING CEILING PANEL TO BE CUT BACK TO ALLOW FOR NEW PARTITION. MODIFY EXISTING SUSPENDED CEILING SYSTEM AND RUNNER AS REQUIRED. RELOCATE EXISTING LIGHT FIXTURES, SED
02-35	REMOVE EXISTING CURTAINS AND TRACK
02-36	REMOVE AND SALVAGE (E) 24X24 PANELS FOR REINSTALLATION IN PLACE. REMOVE AND REPLACE SUSPENDED GRID AS REQUIRED FOR WORK ALONG GRID F
10-05	EXISTING LARGE WINE LIBRARY SIGN ABOVE ENTRY TO REMAIN



APPROVALS

PROJECT TITLE

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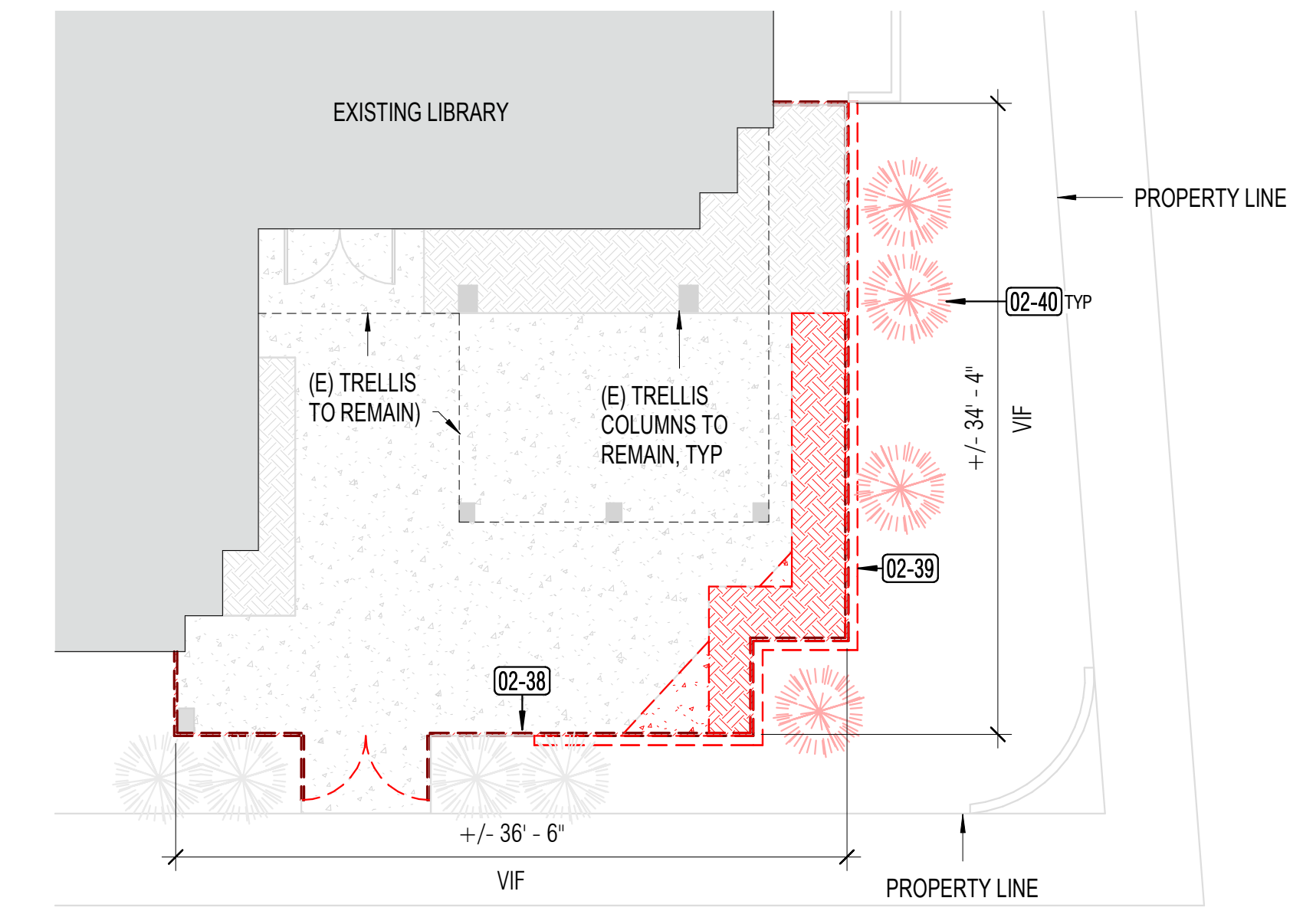
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ISSUE DATE	04/30/2024
N&T JOB NUMBER	22212.00
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1	4/30/2024 Permit Set Comments 1

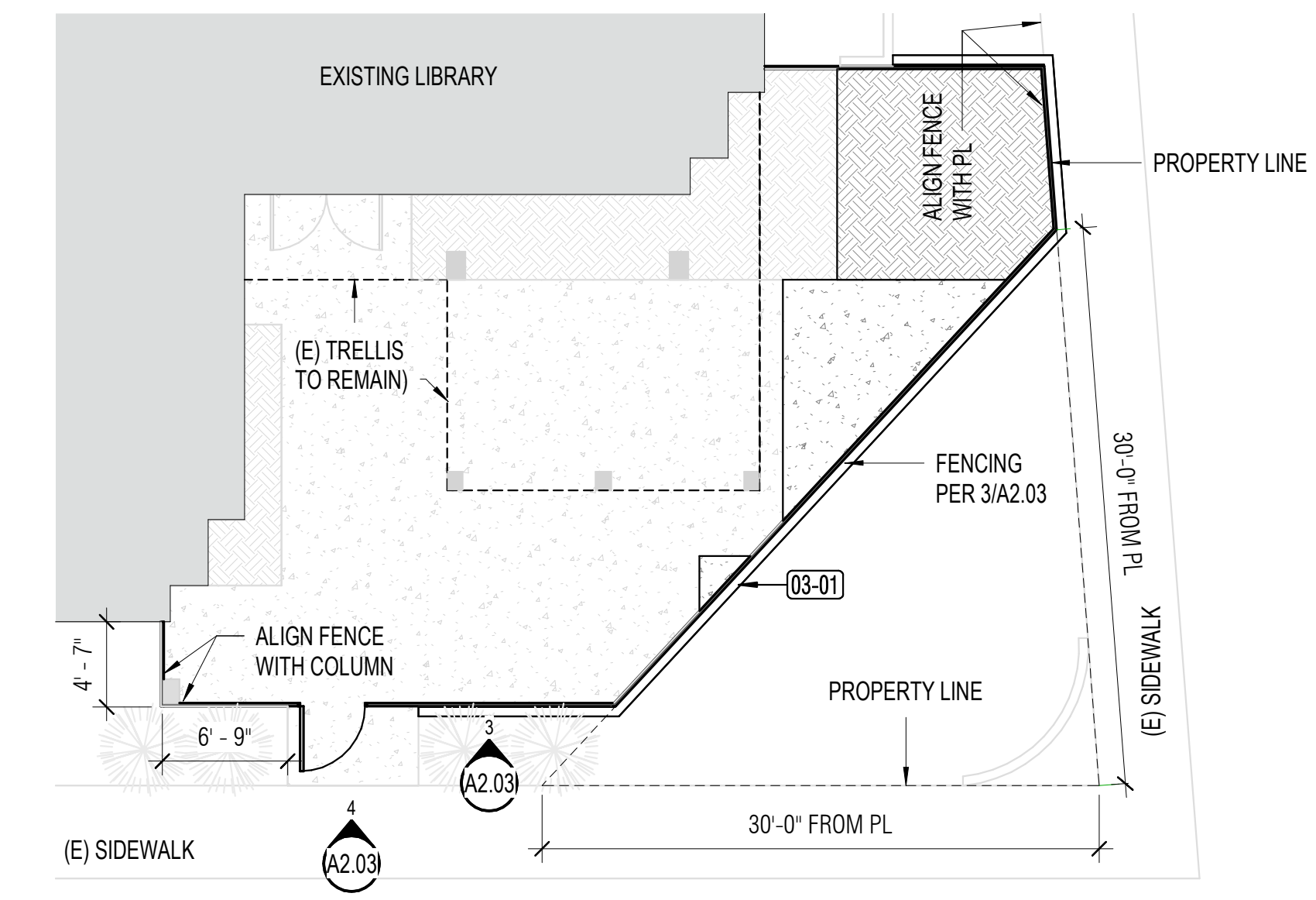
SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER

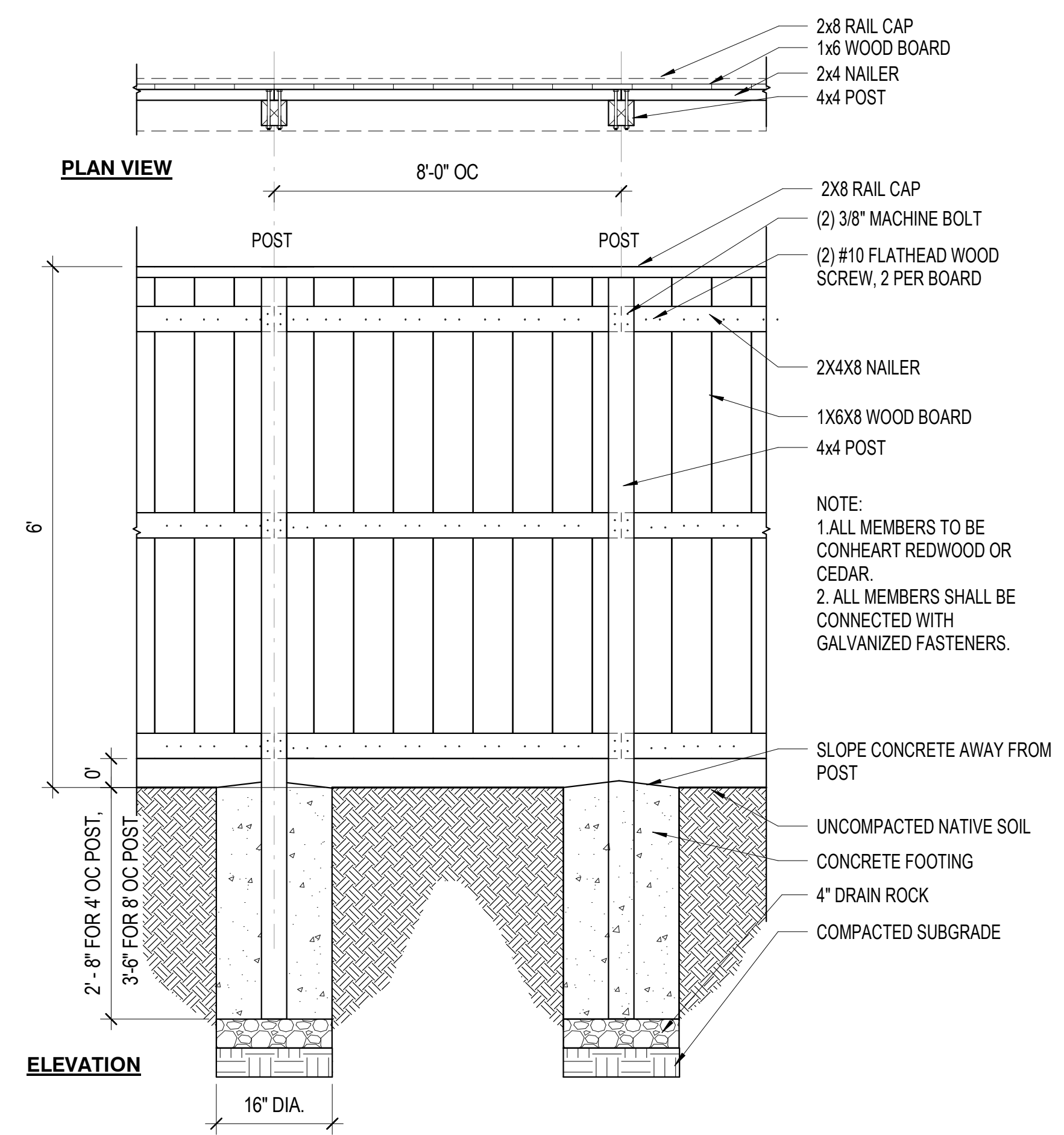
A2.03



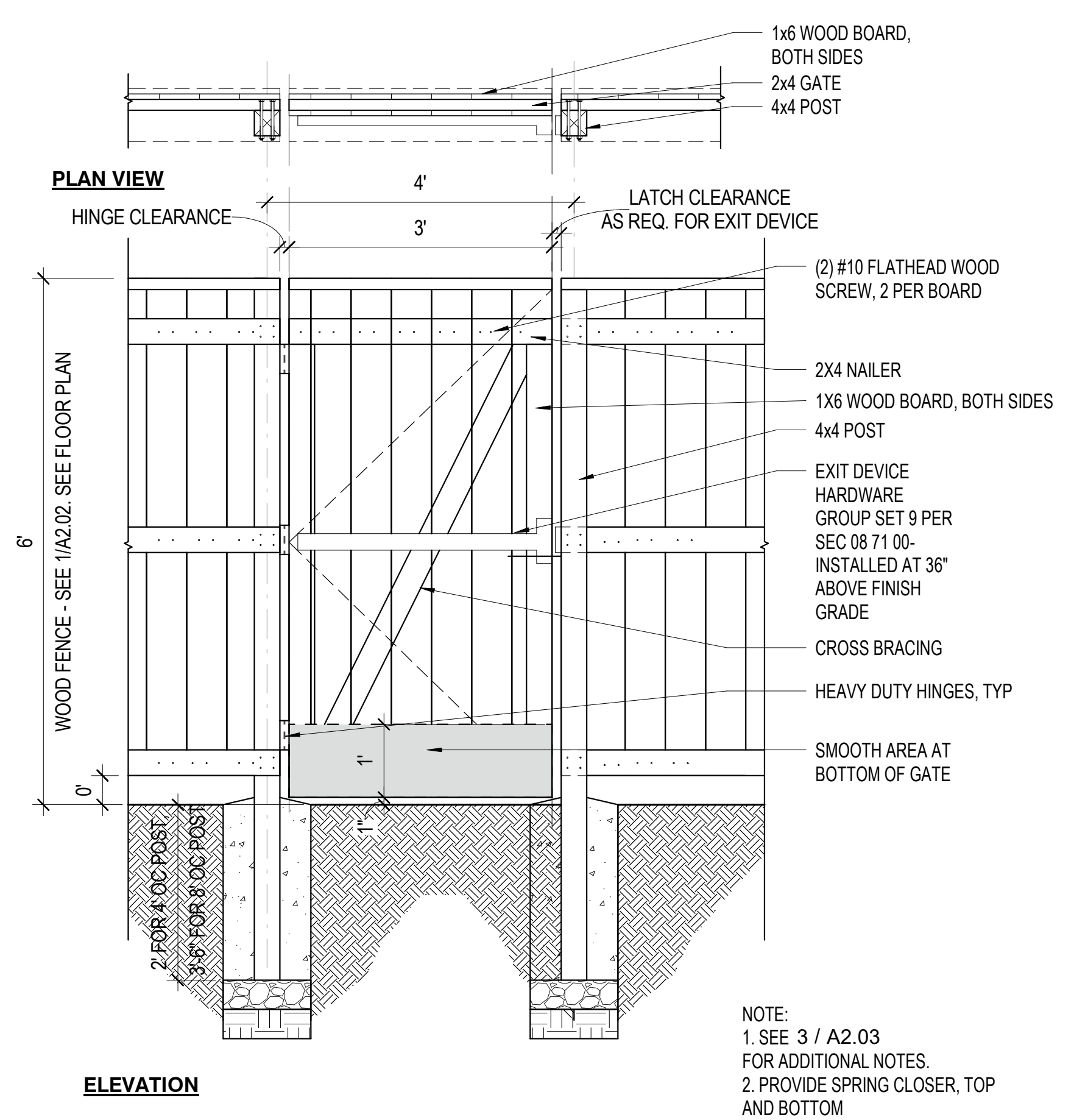
1 ENLARGED PATIO PLAN - DEMO
1/8" = 1'-0"



2 ENLARGED PATIO PLAN
1/8" = 1'-0"



3 FENCING
3/4" = 1'-0"



4 DOOR @ FENCE
3/4" = 1'-0"

GENERAL NOTES

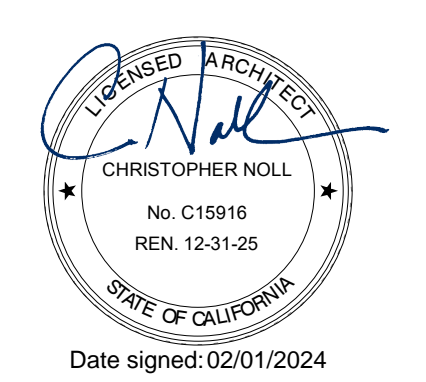
- NOTE:
- REPAIR AND EXTEND EXISTING IRRIGATION AS NEEDED
 - FENCE TO ALIGN WITH 30' DISTANCE FROM PROPERTY LINE, SEE 2/A2.03
 - CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION
 - STAKE LOCATION OF ALL LANDSCAPE ELEMENTS INCLUDING PAVING, SITE FURNITURE, ETC. FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION
 - DIMENSIONS ARE TO: EDGE OF PAVING, EDGE OF HEADER, FACE OF CURB OR FACE OF WALL, UNLESS OTHERWISE NOTED. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING AT THEIR OWN EXPENSE, ANY STRUCTURES, WALLS, PLANT MATERIAL, SITE FURNISHINGS, OR PAVING DAMAGED OR DESTROYED. THE DAMAGED ITEM(S) WILL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO THE OWNER'S REPRESENTATIVE.

FINISH PLAN LEGEND

	EXISTING PAVING		PAVING TO BE REMOVED
	NEW PAVING, TO MATCH EXISTING		PLANTING TO BE REMOVED
	EXISTING PLANTING		
	NEW PLANTING AREA, 3" MULCH		

KEYNOTE LEGEND

Key Value	Keynote Text
02-38	REMOVE EXISTING FENCE AND GATE
02-39	REMOVE EXISTING CURB
02-40	REMOVE EXISTING PLANTING AND SHRUBBERY ALONG EXISTING EASTERN FENCELINE
03-01	PROVIDE 6" CURB WHERE INDICATED, TO RUN ALONG THE OUTER EDGE OF THE FENCE



APPROVALS

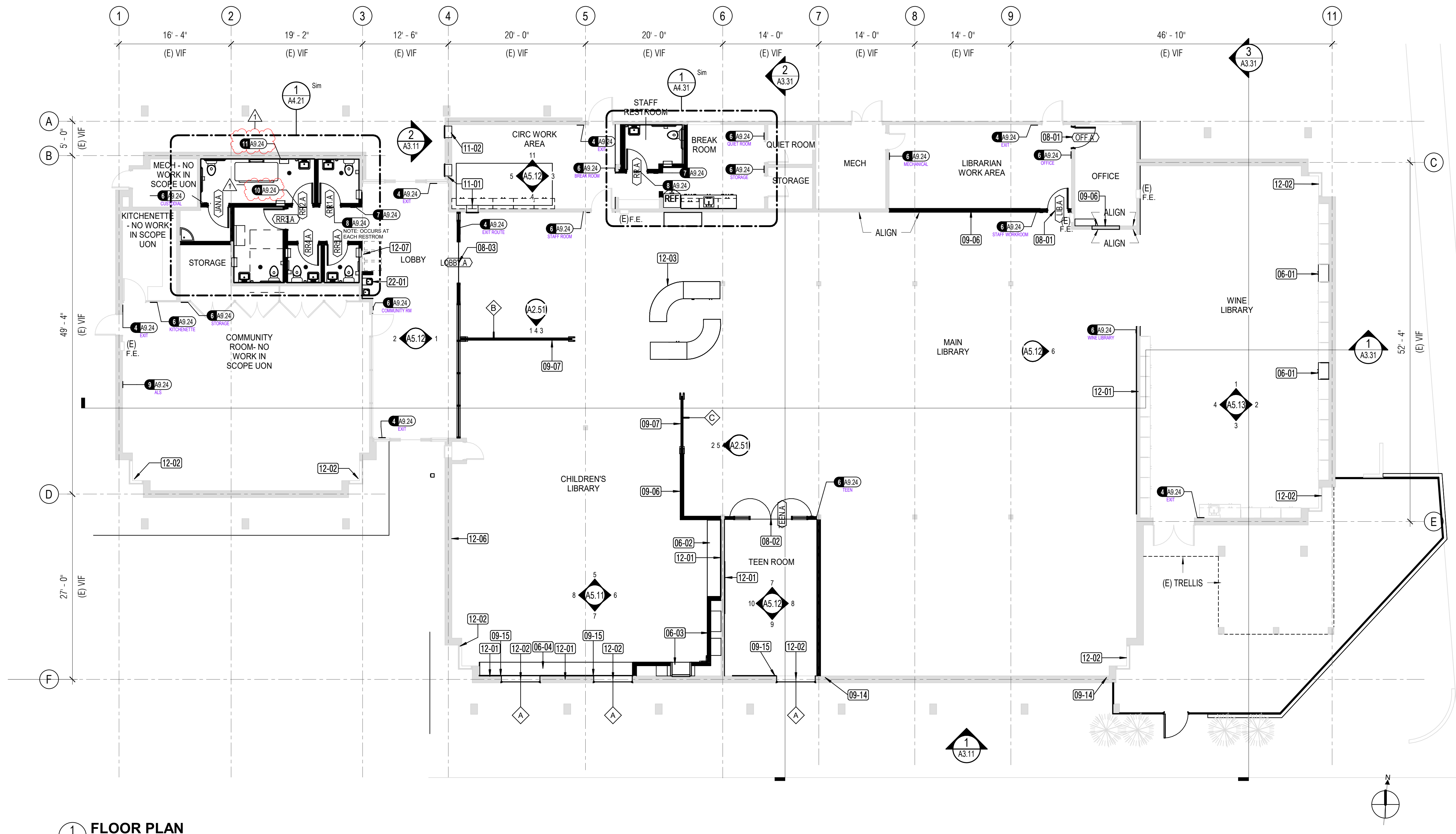
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1 FLOOR PLAN
A2.31 1/8" = 1'-0"

PLAN LEGEND

(E) WALL TO REMAIN
(N) WALL

- GENERAL NOTES**
- ALL EXISTING CONDITIONS TO REMAIN UNLESS OTHERWISE NOTED.
 - ALL EXISTING WALLS HAVE EXISTING VINYL WALLCOVERING TO BE PAINTED OVER, UON. REFER TO FINISH PLANS, SCHEDULE, AND ELEVATIONS FOR EXTENTS OF OTHER WALL FINISHES.
 - ALL DOORS, FRAMES, AND HARDWARE TO MATCH EXISTING BUILDING STANDARDS.
 - ALL FURNITURE AND SHELVING IS NOT IN CONTRACT. SHOWN FOR SCHEMATIC PURPOSES ONLY.
 - SEE G SERIES FOR CODE AND ACCESSIBILITY REQUIREMENTS.
 - SEE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND LV DRAWINGS FOR ADDITIONAL INFORMATION.
 - PATCH AND REPAIR ALL (E) CONCRETE SLAB ALL LOCATIONS WHERE DEMOLITION OCCURS TO PROVIDE SMOOTH SURFACES FOR FLOOR FINISHES.
 - PROVIDE BLOCKING AS REQUIRED FOR WALL ATTACHED EQUIPMENT, CASEWORK AND ACCESSORIES AS REQUIRED TO SUPPORT WEIGHT. REPLACE EXISTING FINISHES IN KIND OR SALVAGE EXISTING T&G SIDING FOR RE-INSTALLATION.
 - PROVIDE REMOVAL OF EXISTING ROOM ID SIGNAGE PRIOR TO INSTALLATION OF NEW ROOM ID/TACTILE SIGN
 - AT RESTROOMS, PROVIDE CONCRETE SLAB REPAIR INCLUDING VAPOR BARRIER AND CONCRETE INFILL FOR PLUMBING ROUTING AND CONNECTIONS. MATCH IN KIND, SPD AND SSD.
 - PROVIDE REPLACEMENT OF GYP BD FINISHES (LEVEL 5) WHERE REQUIRED FOR ROUTING OF CONCEALED ELECTRICAL IN EXISTING WALLS AND STRUCTURAL RELATED WORK. COORDINATE EXTENT WITH ELECTRICAL AND STRUCTURAL DRAWINGS
 - REFER TO SHEET S1.1 FOR TYPICAL PATCH AND REPAIR CONCRETE AT NEW TRENCHING AREAS

KEYNOTE LEGEND

Key Value	Keynote Text
06-01	CASEWORK TO MATCH EXISTING IN KIND
06-02	BUILT IN WINDOW BENCH WITH PULL OUT DRAWERS BELOW
06-03	READING NOOK
06-04	PROVIDE BUILT IN UPHOLSTERED WOOD WINDOW BENCH WITH LOCKING DRAWERS BELOW. SEE INT ELEVS.
08-01	NEW DOOR
08-02	INTERIOR STOREFRONT ASSEMBLY WITH DOOR
08-03	AUTOMATIC SLIDING DOOR SYSTEM WITH SIDELITES
09-06	PARTITION TO UNDERSIDE OF CEILING
09-07	CUSTOM PLY WOOD ELEMENT NIC, PROVIDED BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY.
09-14	REPLACE GYP BOARD FINISH ALONG GRIDLINE F WHERE NEW SHEAR WALL PLYWOOD IS PROVIDED, SEE STRUCTURAL DWGS
09-15	REPAIR AND REPLACE GYP BOARD AROUND NEW WINDOWS

KEYNOTE LEGEND

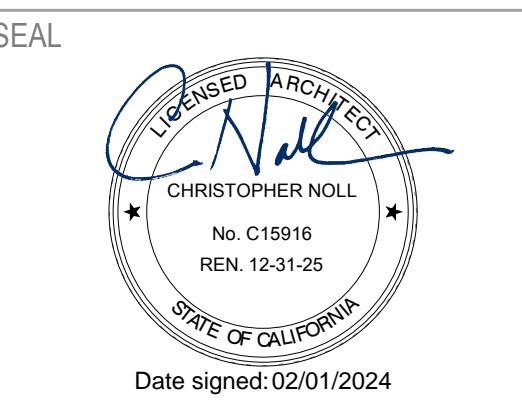
Key Value	Keynote Text
11-01	MANUAL BOOK DROP
11-02	AUTOMATED BOOK DROP
12-01	WOOD SLATWALL NIC, BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY. SEE INT ELEVS FOR EXTENTS.
12-02	MANUAL ROLLER SHADES AT WINDOWS. SIZE VIF
12-03	SERVICE DESK NIC BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY. DESK INCLUDES A 30" HIGH, 5'-4" LONG SERVICE COUNTER.
12-06	PICTURE RAIL SYSTEM, SEE ELEVATION FOR EXTENTS
12-07	AREA FOR RECYCLE COLLECTION BINS (PAPER, PLASTIC, GLASS) FOR OCCUPANT USE - OWNER FURNISHED
22-01	DRINKING FOUNTAIN WITH INTEGRAL BOTTLE FILLER. SPD.

SHEET TITLE

FLOOR PLAN

SHEET NUMBER

A2.31



APPROVALS

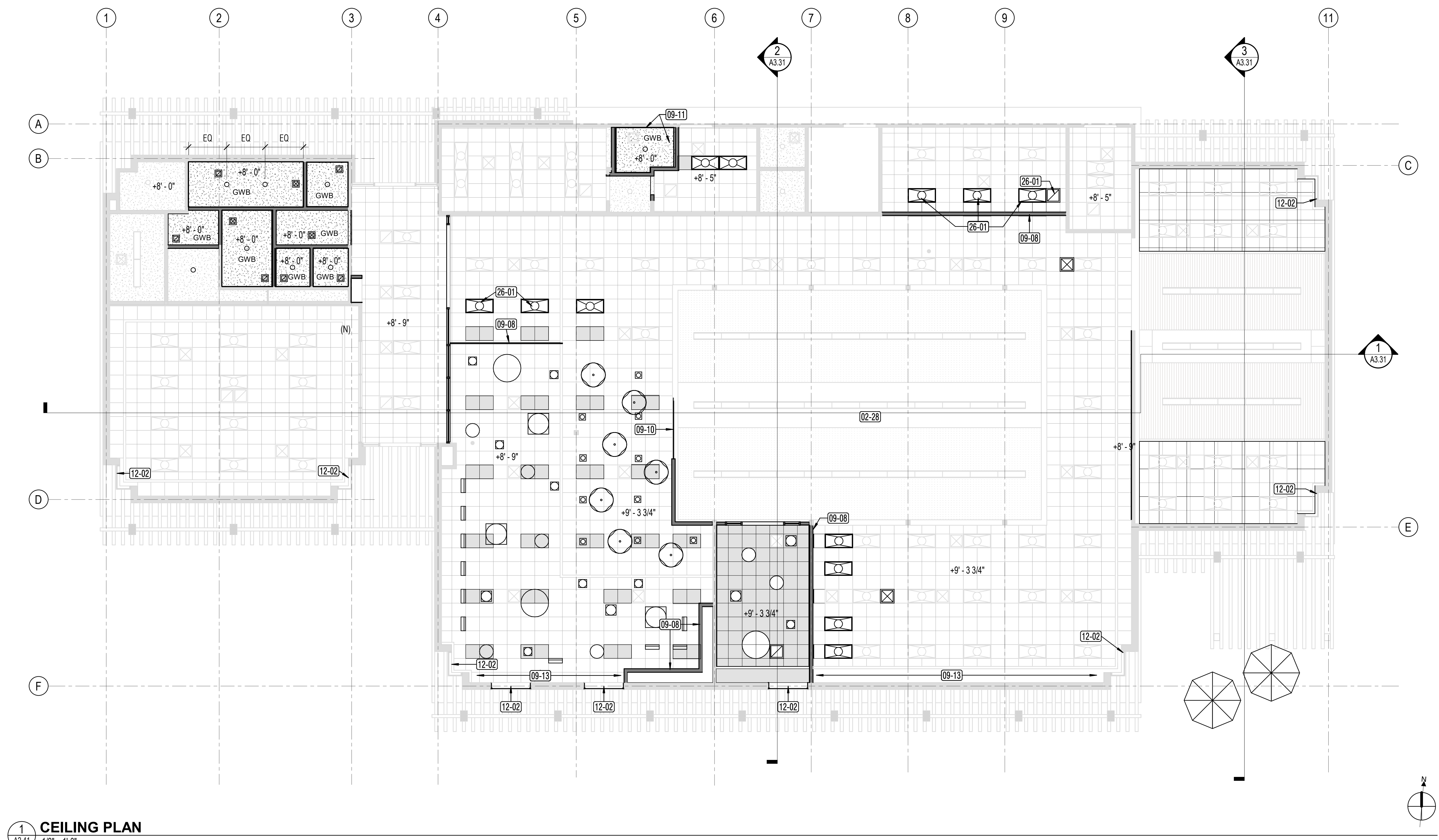
PROJECT TITLE
**4/30/2024
Healdsburg
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139 PIPER ST
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ISSUE DATE: 04/30/2024
N&T JOB NUMBER: 22212.00

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1 CEILING PLAN
A241 1/8" = 1'-0"

RCP FINISH LEGEND

	(E) 24 x 24 ACT		EXISTING ACOUSTICAL CEILING TO REMAIN
	ACT 24X24, MATCH EXISTING IN KIND (RELOCATE AND REUSE PANELS FROM ADJACENT AREA)		ACT 24X24 INTO (E) SUSPENDED CEILING SYSTEM; PANELS TO MATCH (E) IN KIND
	(E) WD SLAT CLG OR SOFFIT		GYPSUM BOARD (GWB); PT-1

GENERAL NOTES

- SEE ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
- WHERE OWSJ PENETRATES GWB - CUT GWB TIGHT TO JOISTS. MUD, TAPE & SEAL. PAINT TO MATCH ADJACENT WALL
- PAINT ALL EXPOSED OWSJ, STRUCTURE AND FRAMING, PIPES, DUCTS, CONDUIT AND ALL OTHER EXPOSED ITEMS TYP
- ACOUSTIC TILE SHALL BE CENTERED IN ROOM UON
- REMOVE AND REINSTALL EXISTING ACOUSTIC CEILING PANELS AS REQUIRE FOR ROUTING OF THE MECHANICAL. SMD
- PROVIDE COMPATIBLE TOUCHUP PAINT AT AFFECTED CEILING PANELS THAT REQUIRE MODIFICATION FROM LIGHTING AND MECHANICAL SCOPE
- REPLACE ANY STAINED OR SOILED EXISTING ACOUSTIC TILES

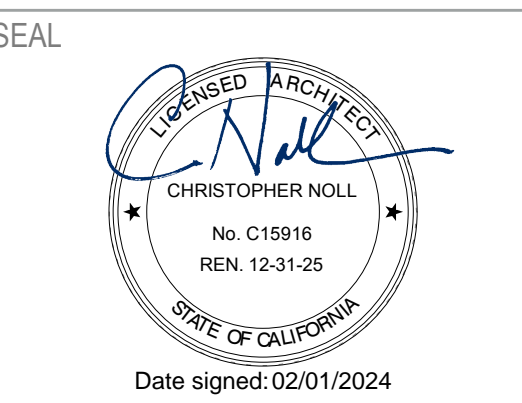
KEYNOTE LEGEND

Key Value	Keynote Text
02-28	EXISTING SKYLIGHT TO REMAIN
09-08	PROVIDE NEW CEILING RUNNERS, MATCH EXISTING IN KIND. PROVIDE NEW TILES OR CUT EXISTING TILES TO SIZE.
09-10	PROVIDE STUD AND FRAMING OR CROSS MEMBER TO CAPTURE TOP OF GLASS. SHIFT LIGHTS TO ACCOMMODATE GLASS WALL.
09-11	ADD WD CEILING FRAMING, MATCHING ADJACENT. MAINTAIN EXISTING 1 HOUR ASSEMBLY, WO.
09-13	RE-INSTALL (E) 24X24 PANELS IN KIND. PROVIDE SUSPENDED GRID AS REQUIRED ALONG GRID F
12-02	MANUAL ROLLER SHADES AT WINDOWS. SIZE VIF.
26-01	RELOCATE EXISTING FIXTURES DUE TO NEW PARTITION

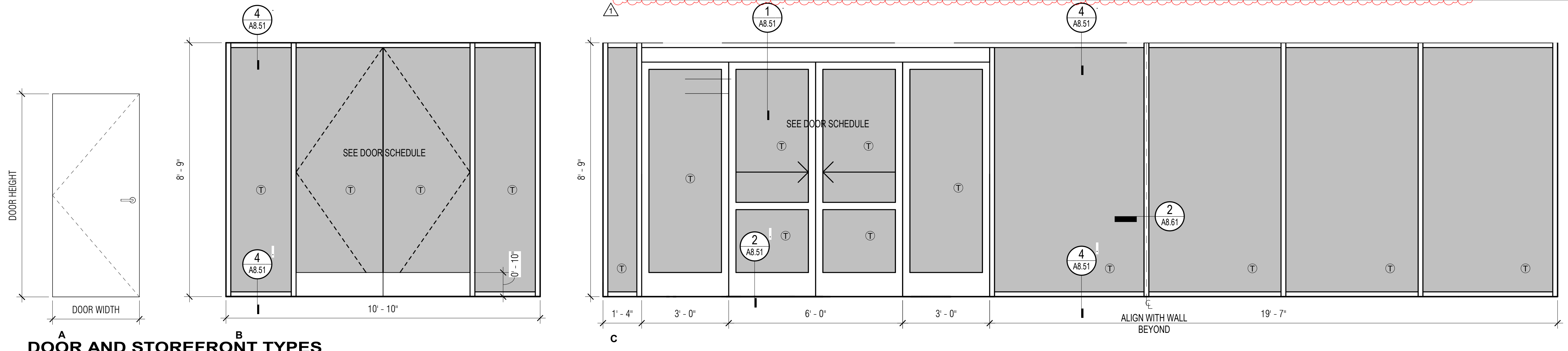
SHEET TITLE
REFLECTED CEILING PLAN

SHEET NUMBER

A2.41

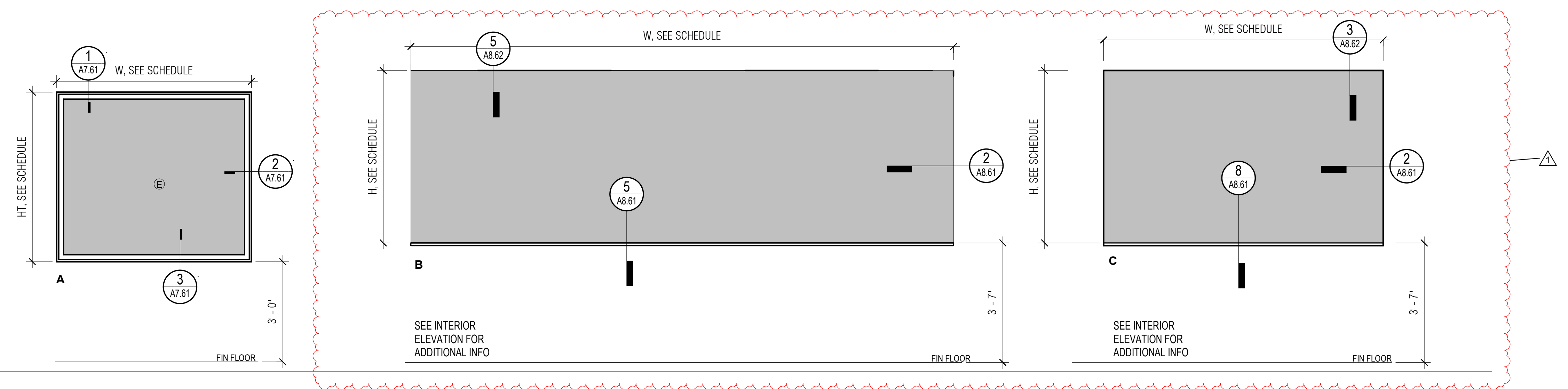


Door Number	Type	Fire Rating	Hardware Group	Door			Frame			Details			Comments	
				Width	Height	Thickness	Material	Undercut	Frame Material	Frame Finish	Head Detail	Jamb Detail		Sill Detail
LIB.A	A	0	01	3'-0"	7'-0"	0'-1 3/4"	SC WOOD	NA	HM	PT	7/A8.51	7/A8.51	-	
OFF.A	A	0	02	3'-0"	7'-0"	0'-1 3/4"	SC WOOD	NA	HM	PT	7/A8.51	7/A8.51	-	
RR.A	A	0	03	3'-0"	7'-0"	0'-1 3/4"	SC WOOD	NA	HM	PT	7/A8.51	7/A8.51	1/A8.21	
RR3.A	A	0	03	3'-0"	7'-0"	0'-1 3/4"	SC WOOD	1"	HM	PT	7/A8.51	7/A8.51	-	
RR2.A	A	0	03	3'-0"	7'-0"	0'-1 3/4"	SC WOOD	3/4"	HM	PT	7/A8.51	7/A8.51	-	
RR4.A	A	0	03	3'-0"	7'-0"	0'-1 3/4"	SC WOOD	3/4"	HM	PT	7/A8.51	7/A8.51	-	
RR1.A	A	0	03	3'-0"	7'-0"	0'-1 3/4"	SC WOOD	3/4"	HM	PT	7/A8.51	7/A8.51	-	
RR5.A	A	0	03	3'-0"	7'-0"	0'-1 3/4"	SC WOOD	3/4"	HM	PT	7/A8.51	7/A8.51	-	
JAN.A	A	0	04	3'-0"	7'-0"	0'-1 3/4"	SC WOOD	3/4"	HM	PT	7/A8.51	7/A8.51	-	
TEEN.A	B	0	06	6'-0"	8'-7"		ALUM	NA	ALUM	PREFIN	4/A8.51	5/A8.51	4/A8.51	DOOR IN STOREFRONT ASSEMBLY, W/ GLAZING TYPE G-3
LOBBY.A	C	0	05	12'-0"	8'-7"		ALUM	NA	ALUM	PREFIN	1/A8.51	6/A8.51	2/A8.51; 3/A8.21	DOOR IN STOREFRONT ASSEMBLY, W/ GLAZING TYPE G-3
GATE	D	0	07	3'-6"	6'-0"	0'-2 1/4"	WOOD							PATIO GATE



DOOR AND STOREFRONT TYPES
1/2" = 1'-0"

Ⓣ TEMPERED GLASS
(ALL DOOR GLAZING TO BE TEMPERED)



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

2022 CAL ENERGY CODE - PER TABLE 141.0-1 ALTERED VERTICAL FENESTRATION
CLIMATE ZONE: 2
U FACTOR: 0.47
RSHGC: 0.31
VT: 0.42

Type Mark	R.O.		Head Height	Type	Material	Finish	Glazing Type
	Width	Height					
A	5'-10"	5'-1"	8'-0"	Fixed	ALUM	PF	IG-1
B	16'-3"	5'-2"	8'-9"	Fixed	ALUM	PF	G-4
C	8'-4"	5'-2"	8'-9"	Fixed	ALUM	PF	G-4

LEGEND

- Ⓣ GLAZING TYPE G-3
GLAZING TYPE G-4 - CHILDREN
- ⓔ GLAZING TYPE IG-1

GENERAL NOTES

- AT DOORS - COMMUNITY ROOM, EXIT DOOR TO PATIO, SEVERAL OTHERS, ADJUST OR REPLACE CLOSER FOR CLOSURE TIME OF AT LEAST 5 SECS WITHIN 12 DEGREES OF LATCH (CBC SEC 11B-4042.8.1) AND FOR OPENING FORCE NOT MORE THAN 5LBS (CBC SEC 11B-404.2.9). CONTRACTOR TO FIELD VERIFY EXISTING CONDITION

APPROVALS

PROJECT TITLE

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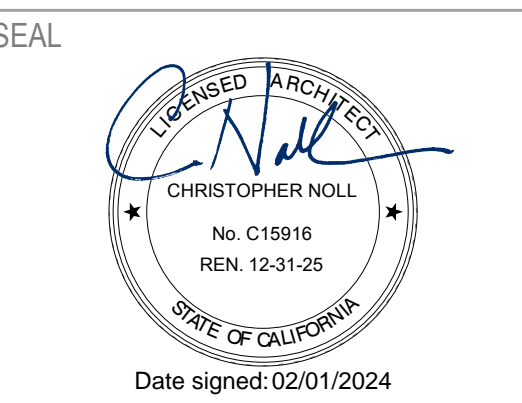
REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

SHEET TITLE

DOOR, STOREFRONT, AND WINDOW SCHEDULE AND TYPES

SHEET NUMBER

A2.51



SEAL

APPROVALS

PROJECT TITLE

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ISSUE DATE **04/30/2024**

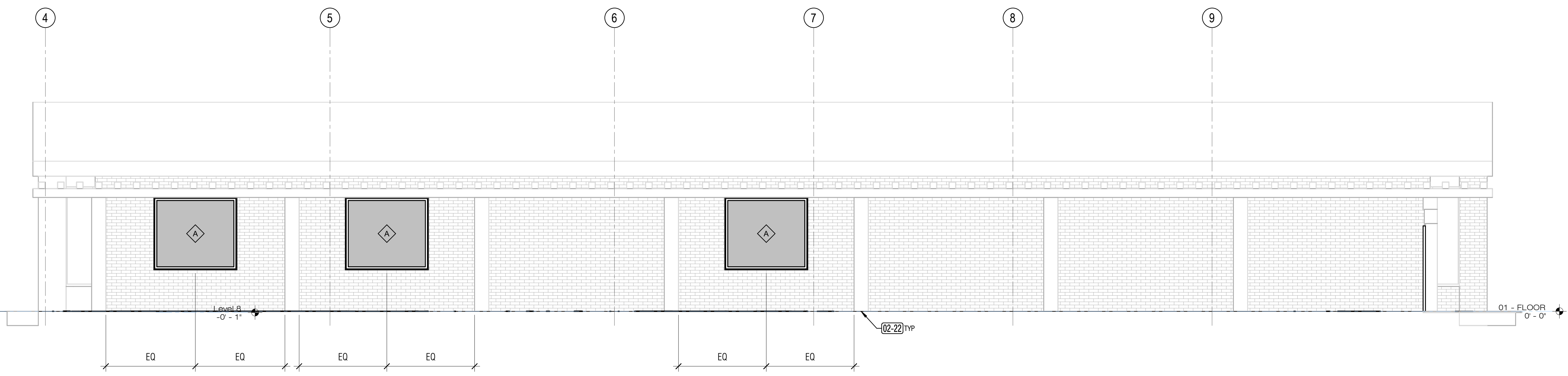
N&T JOB NUMBER **22212.00**

REVISIONS	DATE	DESCRIPTION
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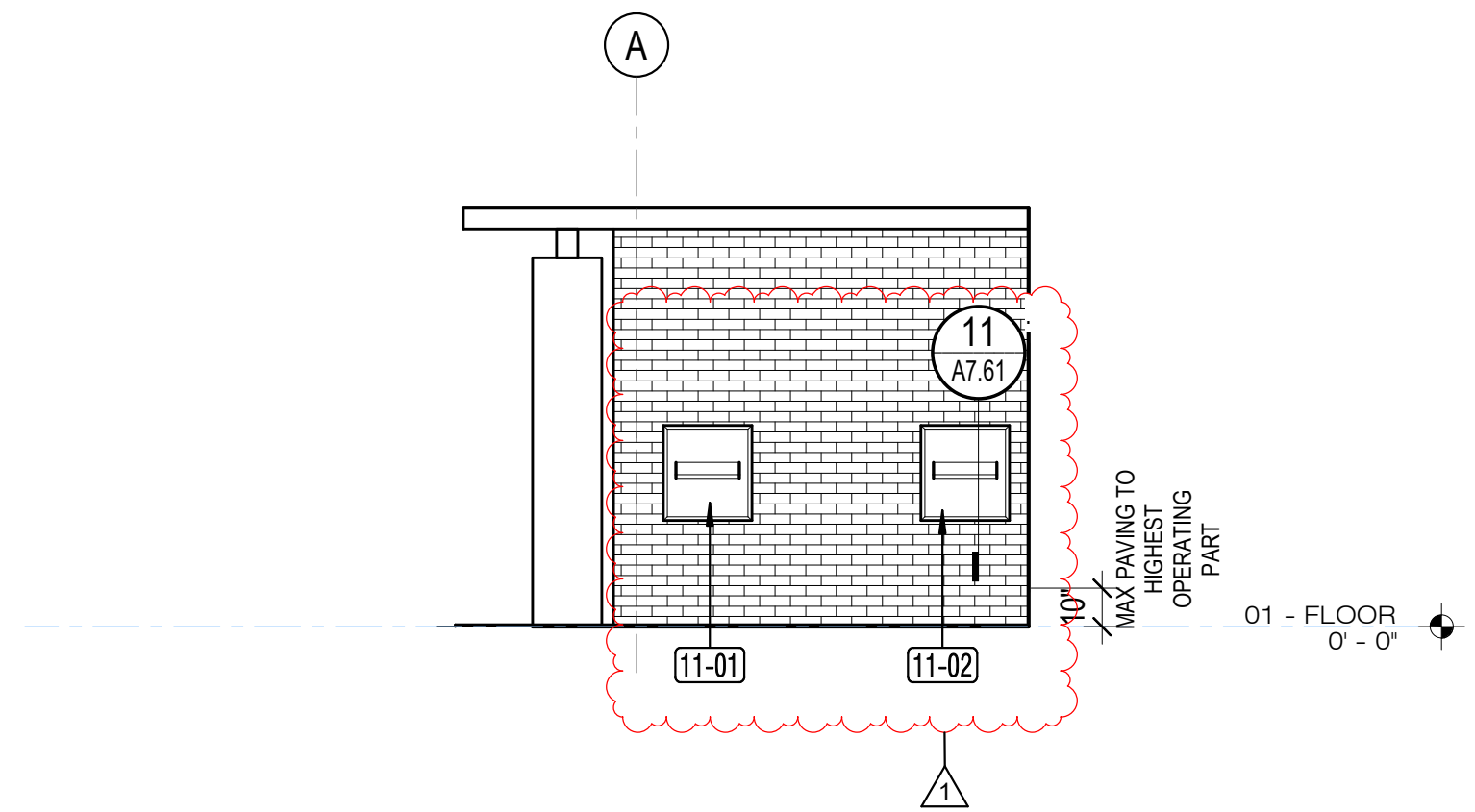
SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NUMBER

A3.11



1 EXTERIOR ELEVATION - SOUTH
A3.11 1/4" = 1'-0"



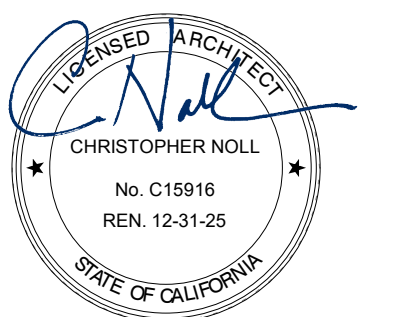
2 EXTERIOR ELEVATION WEST AT BOOKDROPS
A3.11 1/4" = 1'-0"

GENERAL NOTES

- 1. SEE A2.51 FOR WINDOW SCHEDULE AND TYPES

KEYNOTE LEGEND	
Key Value	Keynote Text
02-22	EXISTING COLUMN TO REMAIN, TYP
11-01	MANUAL BOOK DROP
11-02	AUTOMATED BOOK DROP

SEAL



Date signed: 02/01/2024

APPROVALS

PROJECT TITLE

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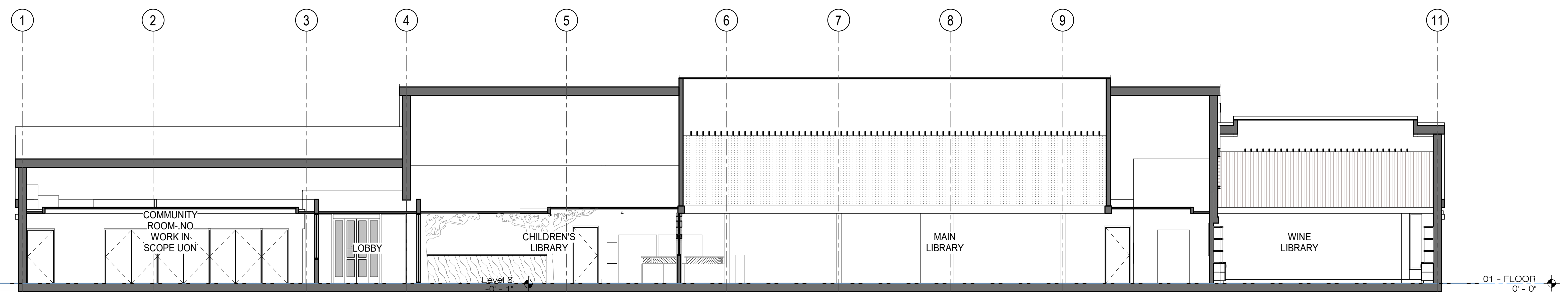
ISSUE DATE: 04/30/2024
N&T JOB NUMBER: 22212.00

REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

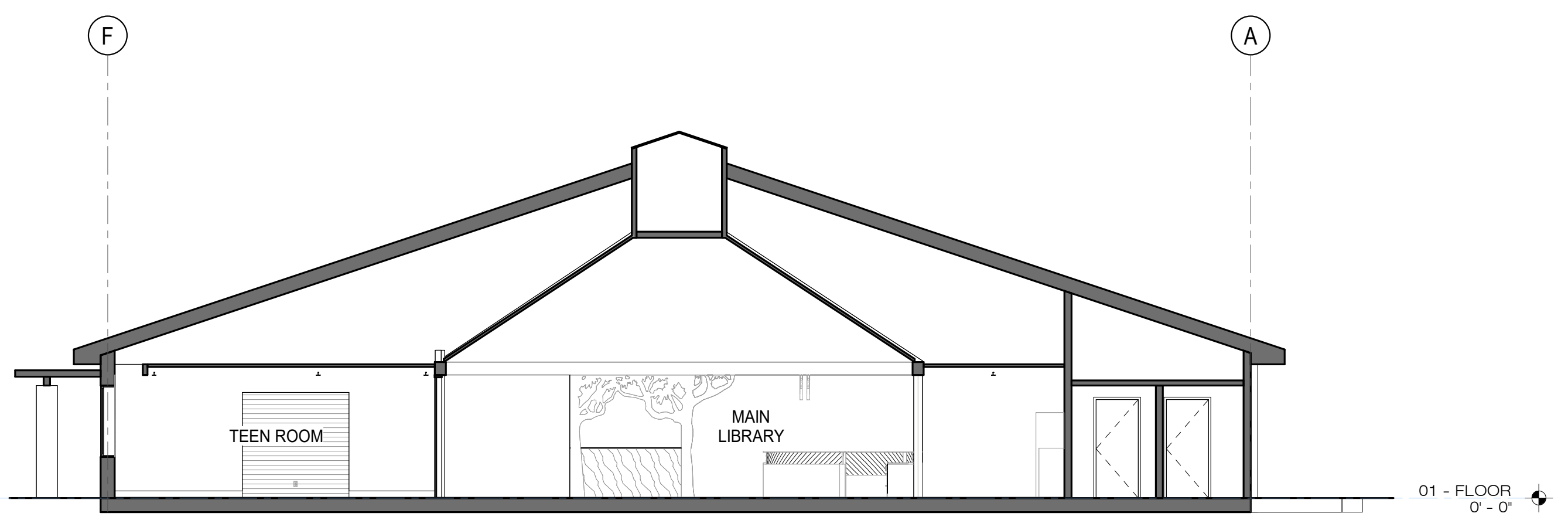
SHEET TITLE
BUILDING SECTIONS

SHEET NUMBER

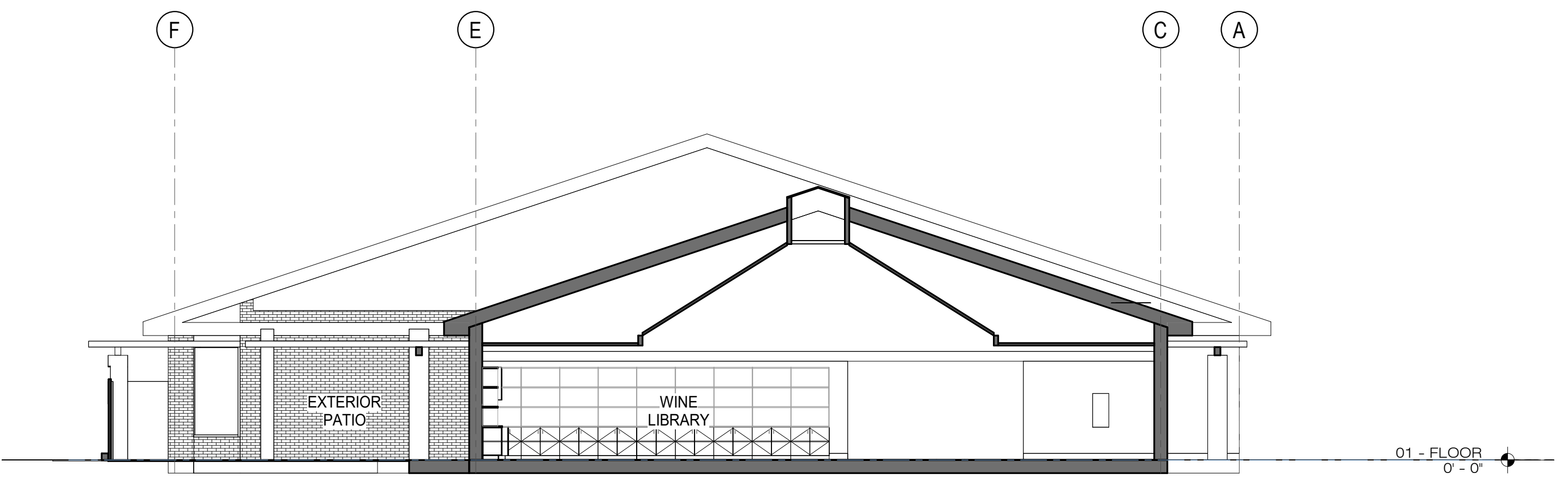
A3.31



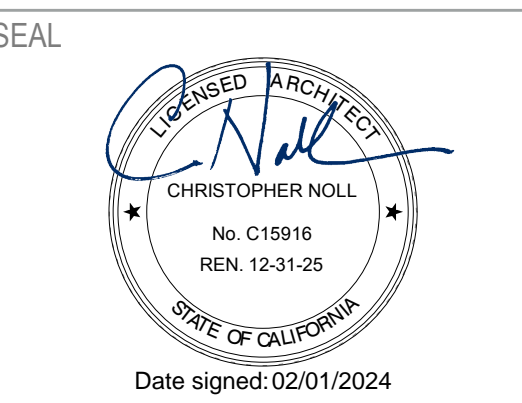
1 WEST-EAST SECTION
A3.31 1/8" = 1'-0"



2 SOUTH-NORTH SECTION AT MAIN LIBRARY
A3.31 1/8" = 1'-0"



3 SOUTH-NORTH SECTION AT WINE LIBRARY
A3.31 1/8" = 1'-0"



APPROVALS

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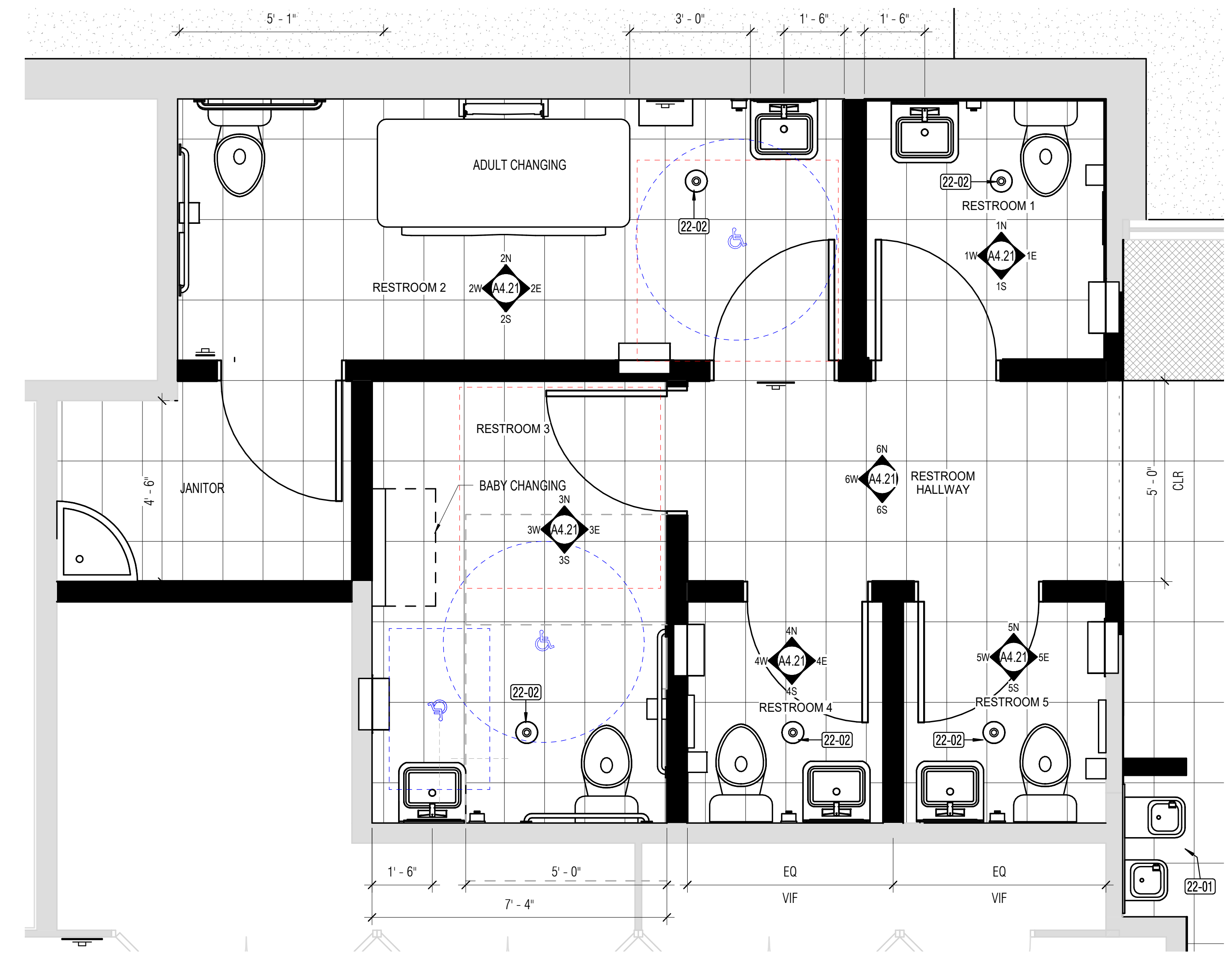
ISSUE DATE: 04/30/2024
N&T JOB NUMBER: 22212.00

REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

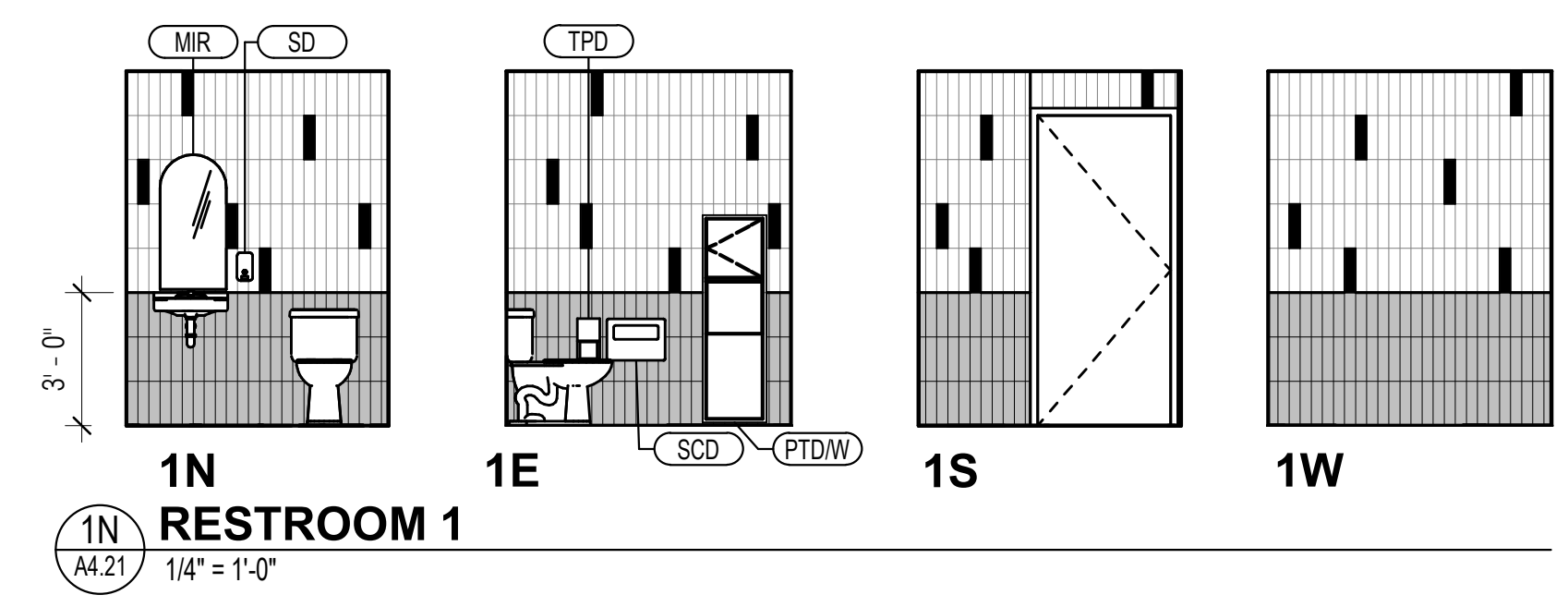
SHEET TITLE
ENLARGED PLANS & INTERIOR ELEVATIONS - PUBLIC RESTROOMS

SHEET NUMBER

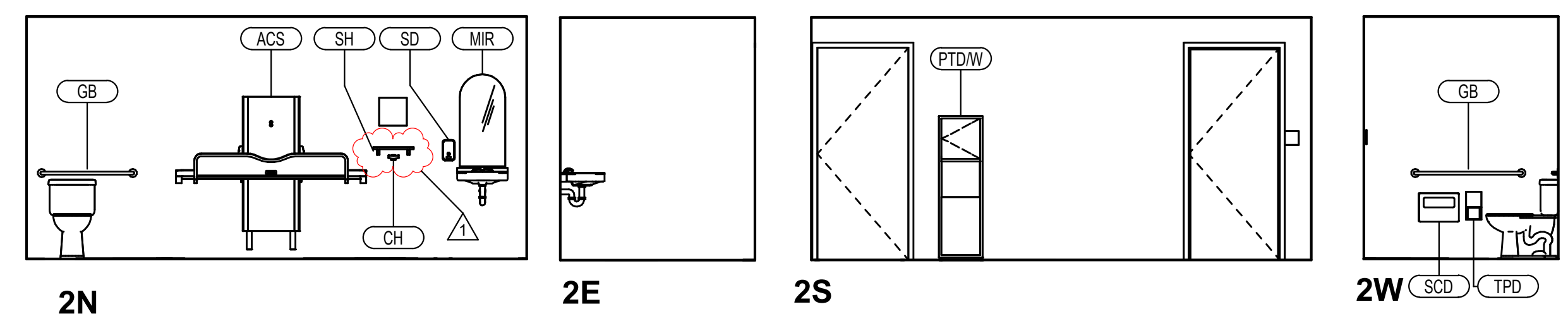
A4.21



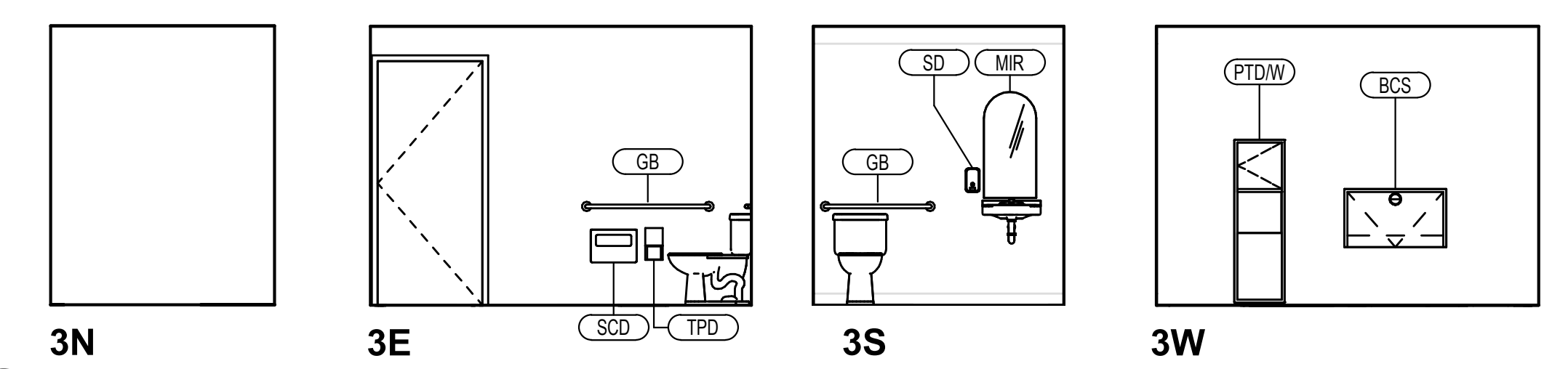
1 ENLARGED PLAN - PUBLIC RESTROOMS
A4.21 1/2" = 1'-0"



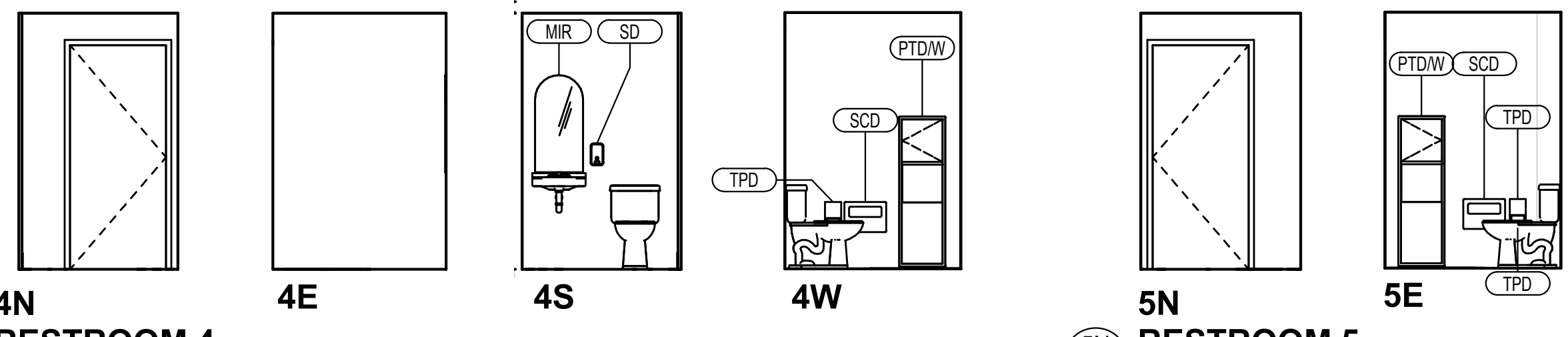
1N RESTROOM 1
A4.21 1/4" = 1'-0"



2N RESTROOM 2
A4.21 1/4" = 1'-0"

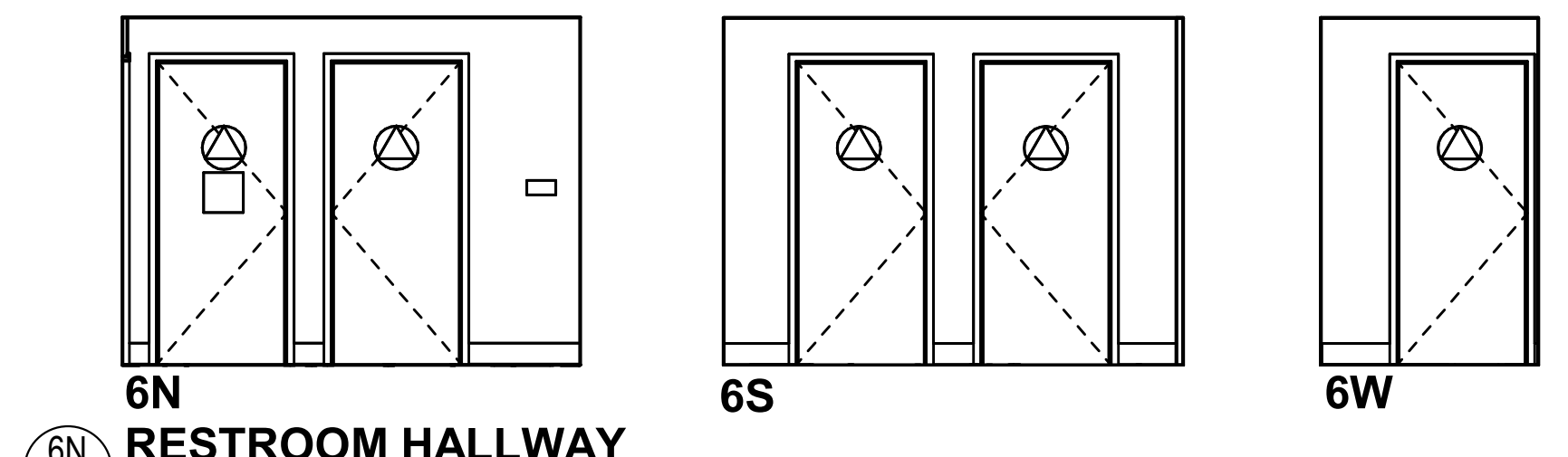


3N RESTROOM 3
A4.21 1/4" = 1'-0"



4N RESTROOM 4
A4.21 1/4" = 1'-0"

5N RESTROOM 5
A4.21 1/4" = 1'-0"



6N RESTROOM HALLWAY
A4.21 1/4" = 1'-0"

ELEVATION LEGEND

- CT-1 (SHOWN AS WHITE) & CT-2 (SHOWN AS BLACK) 1 TILE PER EVERY 24 IS CT-2, RANDOMIZE
- CT-3 (ALIGN GROUT TO CT-1 AND CT-2)
- NOTE: FULL TILE TO BEGIN AT BASE, CUT AT CEILING

PLAN LEGEND

- (E) WALL TO REMAIN
- (N) WALL

FIXTURE LEGEND

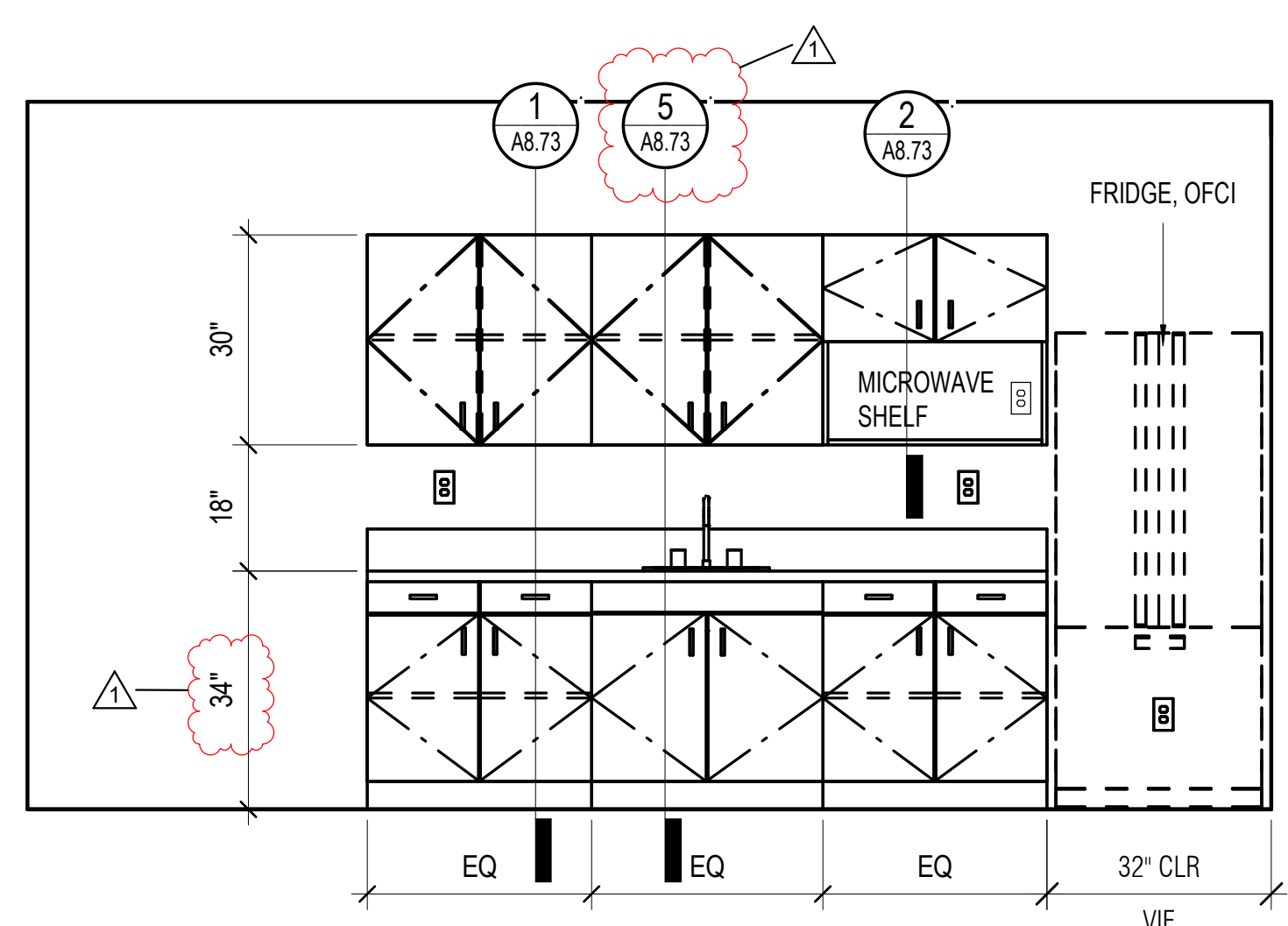
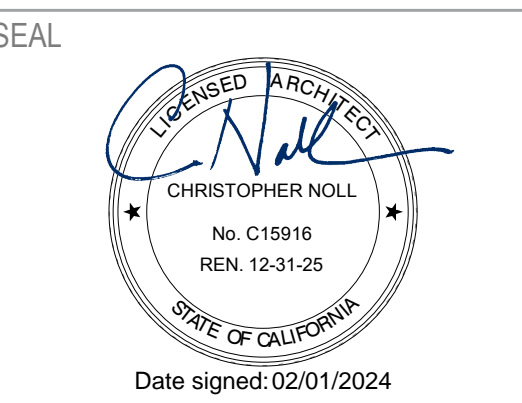
- CH COAT HOOK
- GB GRAB BAR, 36" REAR, 48" SIDE
- SCD SEAT COVER DISPENSER
- TPD TOILET PAPER DISPENSER
- MIR MIRROR
- PTW PAPER TOWEL AND WASTE
- BCS BABY CHANGING TABLE
- ACS ADULT CHANGING TABLE WITH "ADULT CHANGING FACILITY" SIGNAGE
- SD SOAP DISPENSER
- SH SHELF

GENERAL NOTES

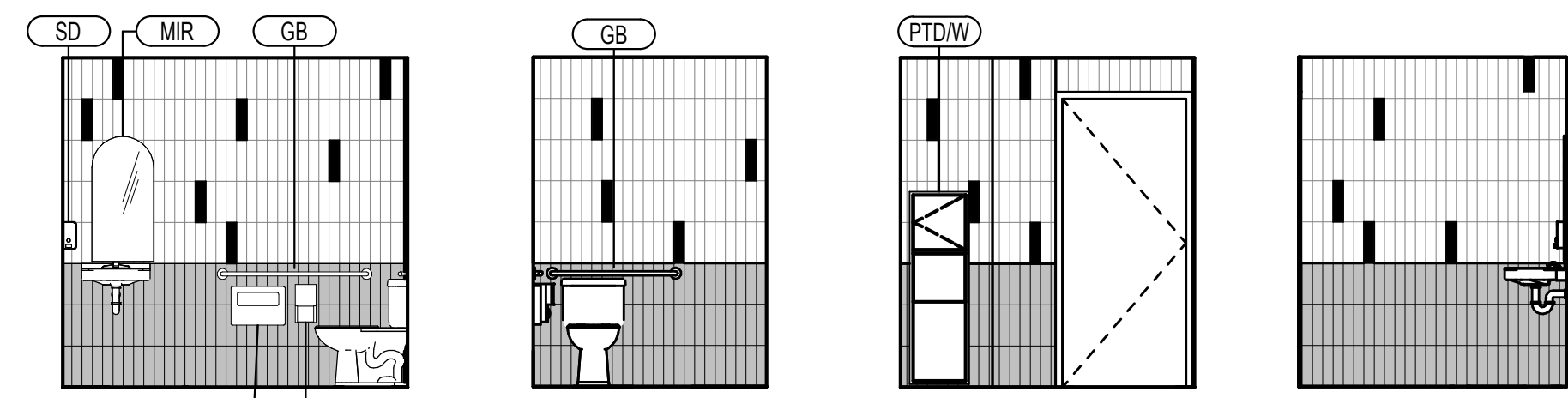
- REFER TO PLUMBING FOR NEW DRAINS AND ROUTING. PROVIDE INFILL AND REPAIR OF SLAB ON GRADE CONCRETE AND VAPOR BARRIER AS REQUIRED IN KIND.
- PROVIDE ROOM ID SIGNAGE AT EACH RESTROOM ON WALL AND DOOR
- REFER TO RESTROOM 1 ELEVATIONS FOR TYPICAL WALL TILE PATTERN
- REFER TO G3.21 AND G3.24 FOR MOUNTING HEIGHTS
- REFER TO SHEET P3.21 FOR NEW TRENCHING LOCATIONS
- REFER TO SHEET S1.1 FOR TYPICAL PATCH AND REPAIR CONCRETE AT NEW TRENCHING AREAS

KEYNOTE LEGEND

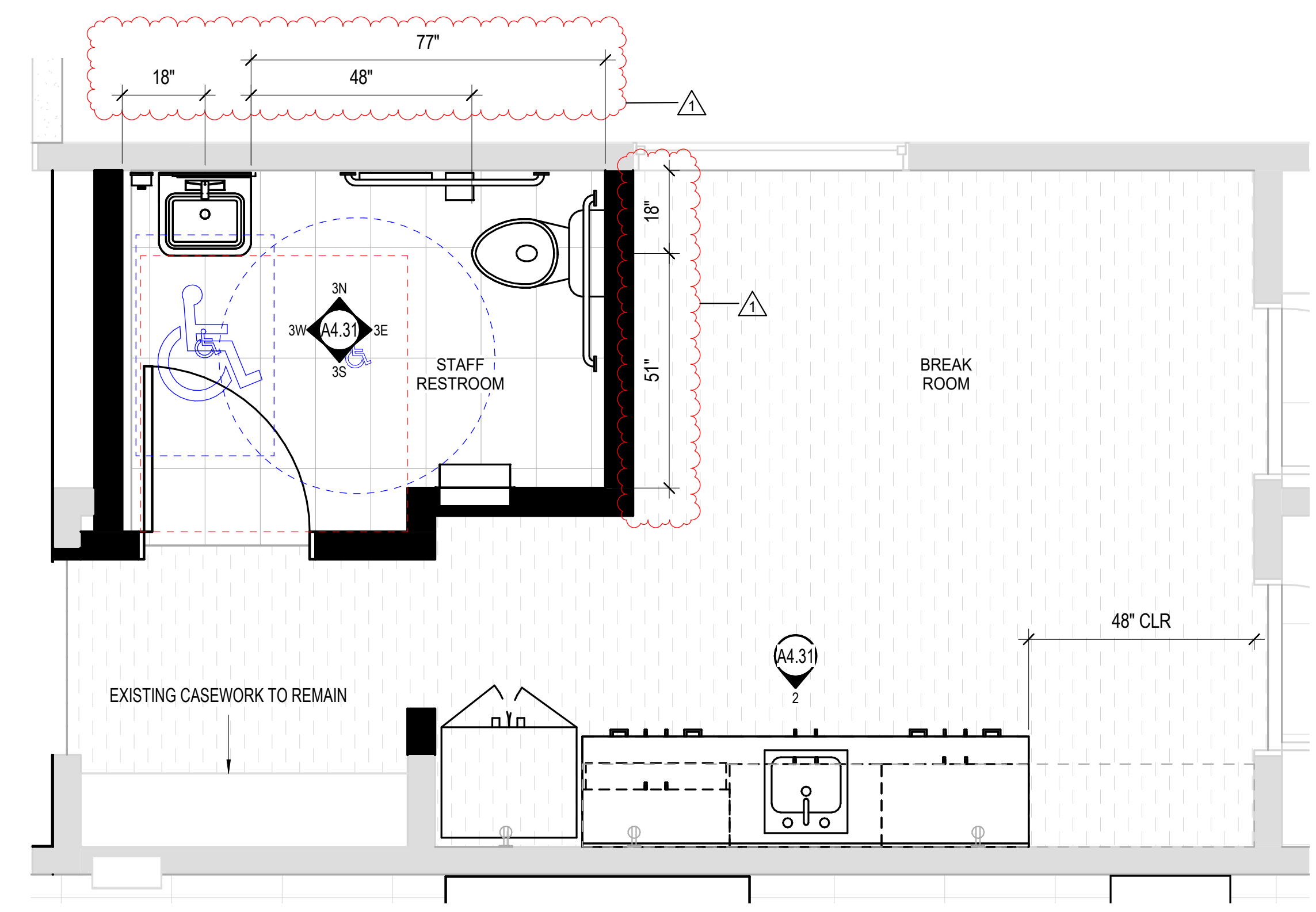
Key Value	Keynote Text
22-01	DRINKING FOUNTAIN WITH INTEGRAL BOTTLE FILLER. SPD.
22-02	PROVIDE FLOOR DRAIN. SPD.



2 BREAK ROOM - S
A4.31 1/2" = 1'-0"



3N STAFF RESTROOM
A4.31 1/4" = 1'-0"



1 ENLARGED PLAN - STAFF AREA
A4.31 1/2" = 1'-0"

ELEVATION LEGEND

- CT-1 (SHOWN AS WHITE) & CT-2 (SHOWN AS BLACK)
1 TILE PER EVERY 24 IS CT-2, RANDOMIZE
 - CT-3 (ALIGN GROUT TO CT-1 AND CT-2)
- NOTE: FULL TILE TO BEGIN AT BASE, CUT AT CEILING

PLAN LEGEND

- (E) WALL TO REMAIN
- (N) WALL

FIXTURE LEGEND

- CH COAT HOOK
- GB GRAB BAR, 36" REAR, 48" SIDE
- SCD SEAT COVER DISPENSER
- TPD TOILET PAPER DISPENSER
- MIR MIRROR
- PTW PAPER TOWEL AND WASTE
- BCS BABY CHANGING TABLE
- ACS ADULT CHANGING TABLE WITH "ADULT CHANGING FACILITY" SIGNAGE
- SD SOAP DISPENSER
- SH SHELF

GENERAL NOTES

1. REFER TO PLUMBING FOR NEW DRAINS AND ROUTING. PROVIDE INFILL AND REPAIR OF SLAB ON GRADE CONCRETE AND VAPOR BARRIER AS REQUIRED IN KIND.
2. PROVIDE ROOM ID SIGNAGE AT EACH RESTROOM ON WALL AND DOOR
3. REFER TO RESTROOM 1 ELEVATIONS FOR TYPICAL WALL TILE PATTERN
4. REFER TO G3.21 AND G3.24 FOR MOUNTING HEIGHTS
5. REFER TO SHEET P3.21 FOR NEW TRENCHING LOCATIONS
6. REFER TO SHEET S1.1 FOR TYPICAL PATCH AND REPAIR CONCRETE AT NEW TRENCHING AREAS

KEYNOTE LEGEND	
Key Value	Keynote Text

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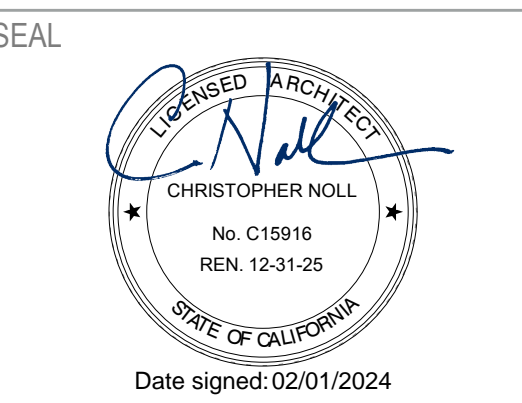
REVISIONS	DATE	DESCRIPTION
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SHEET TITLE

ENLARGED PLANS & INTERIOR ELEVATIONS-STAFF AREA

SHEET NUMBER

A4.31



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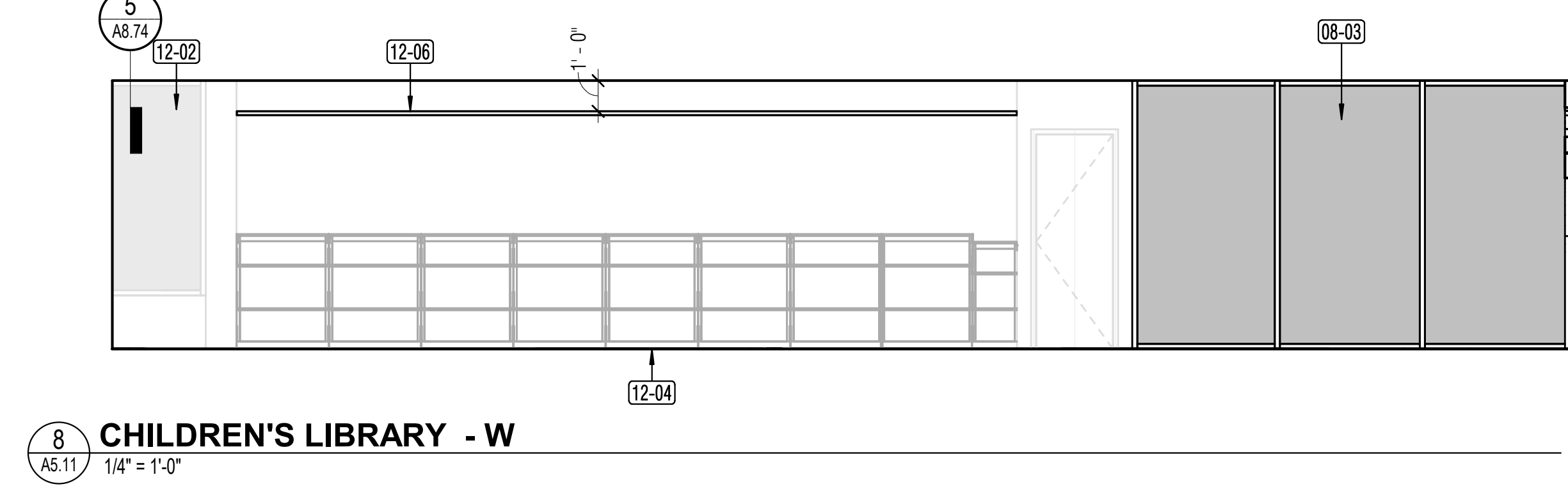
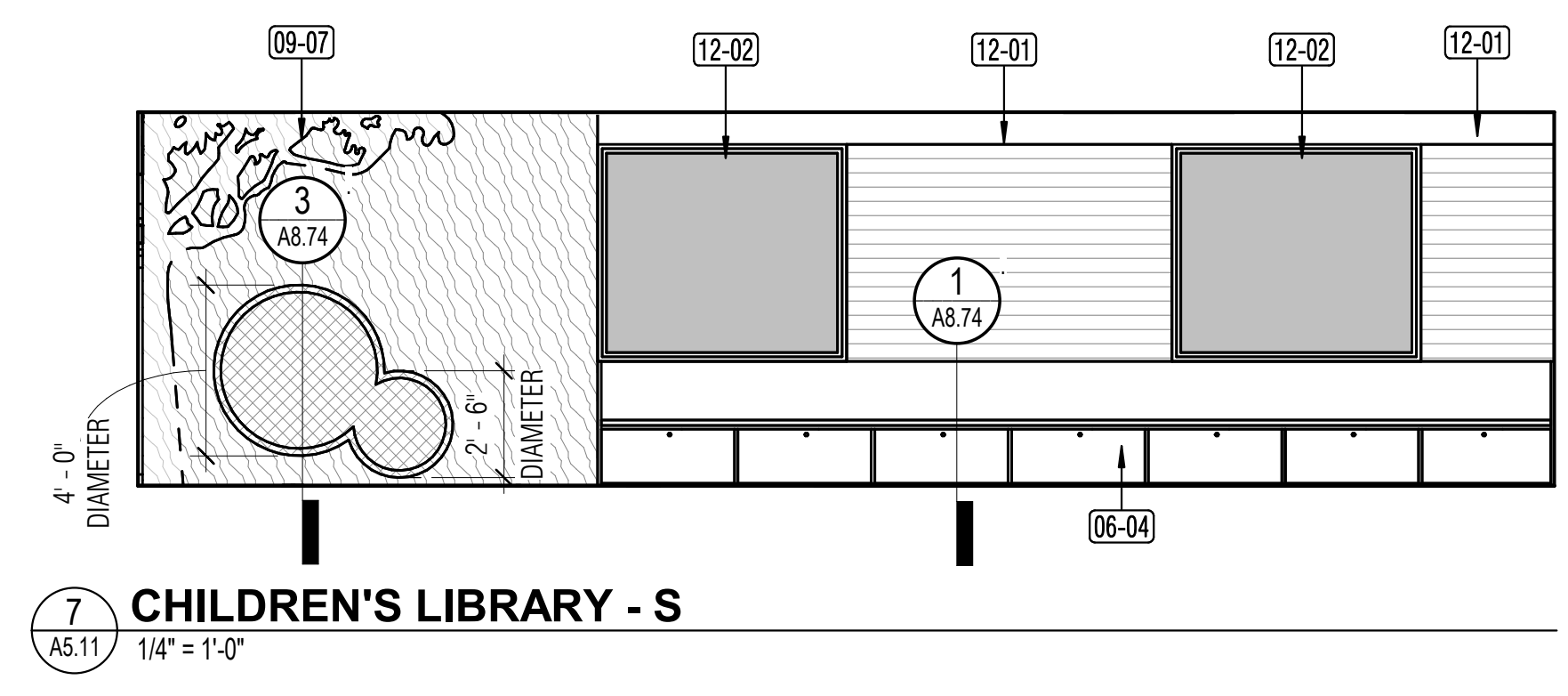
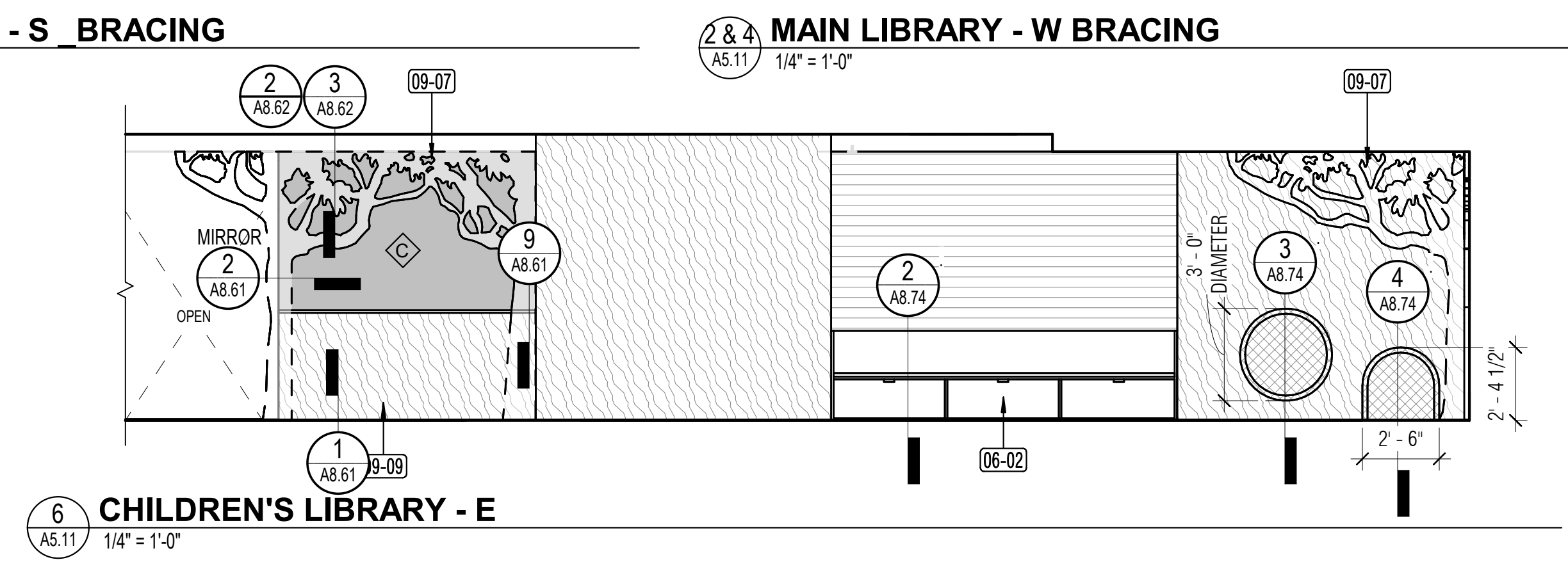
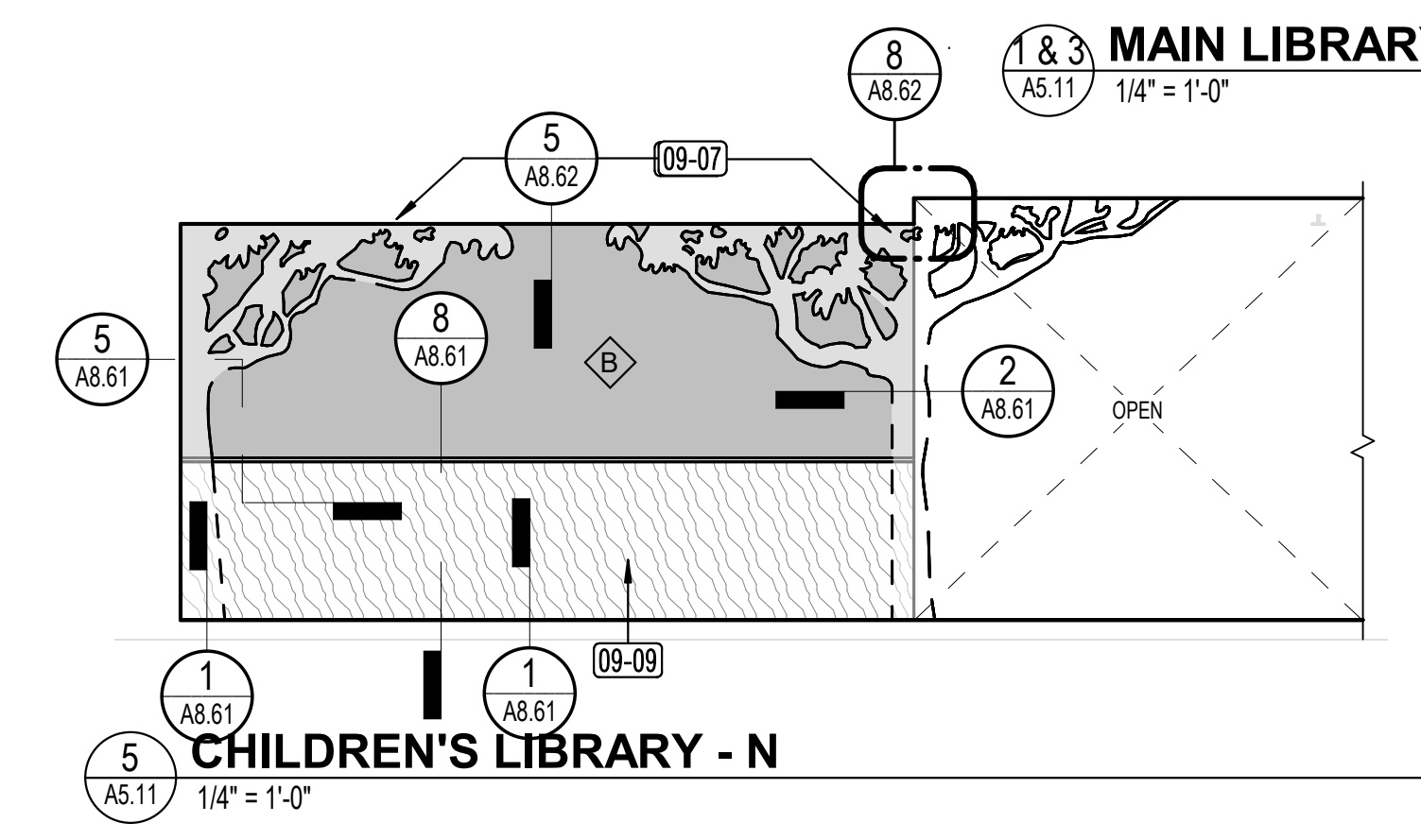
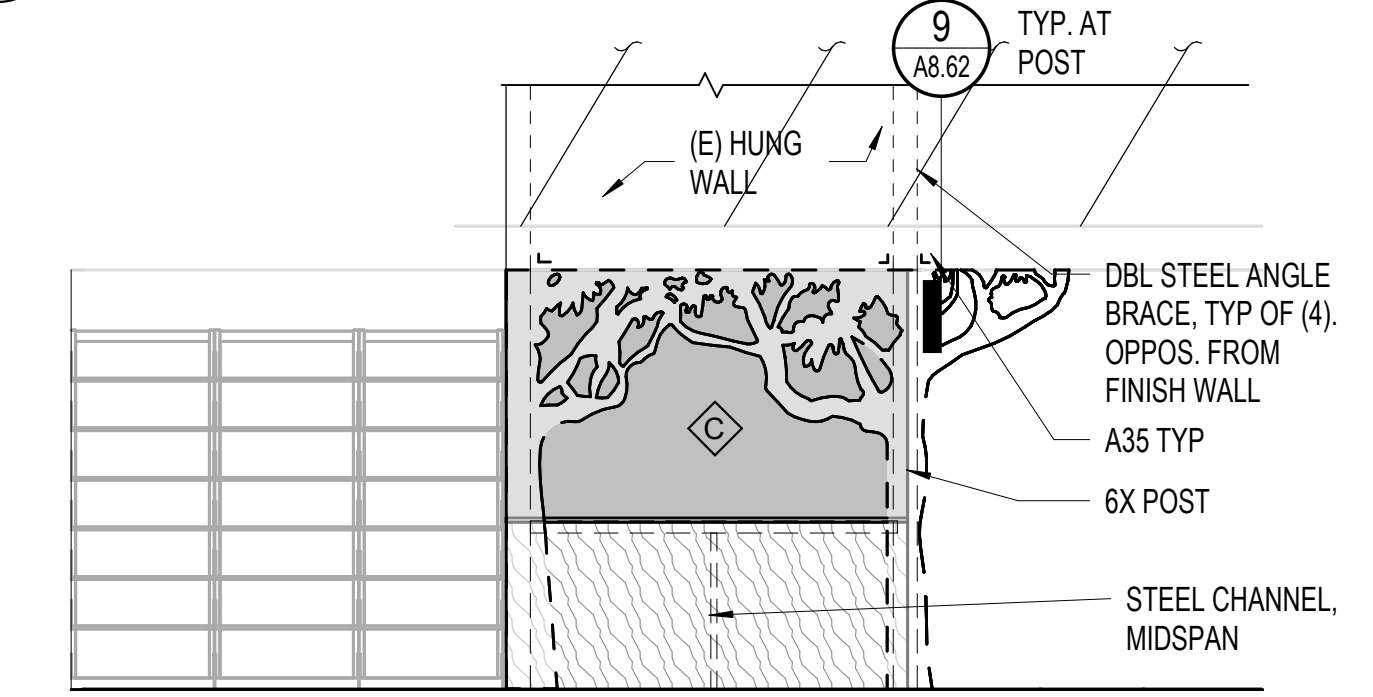
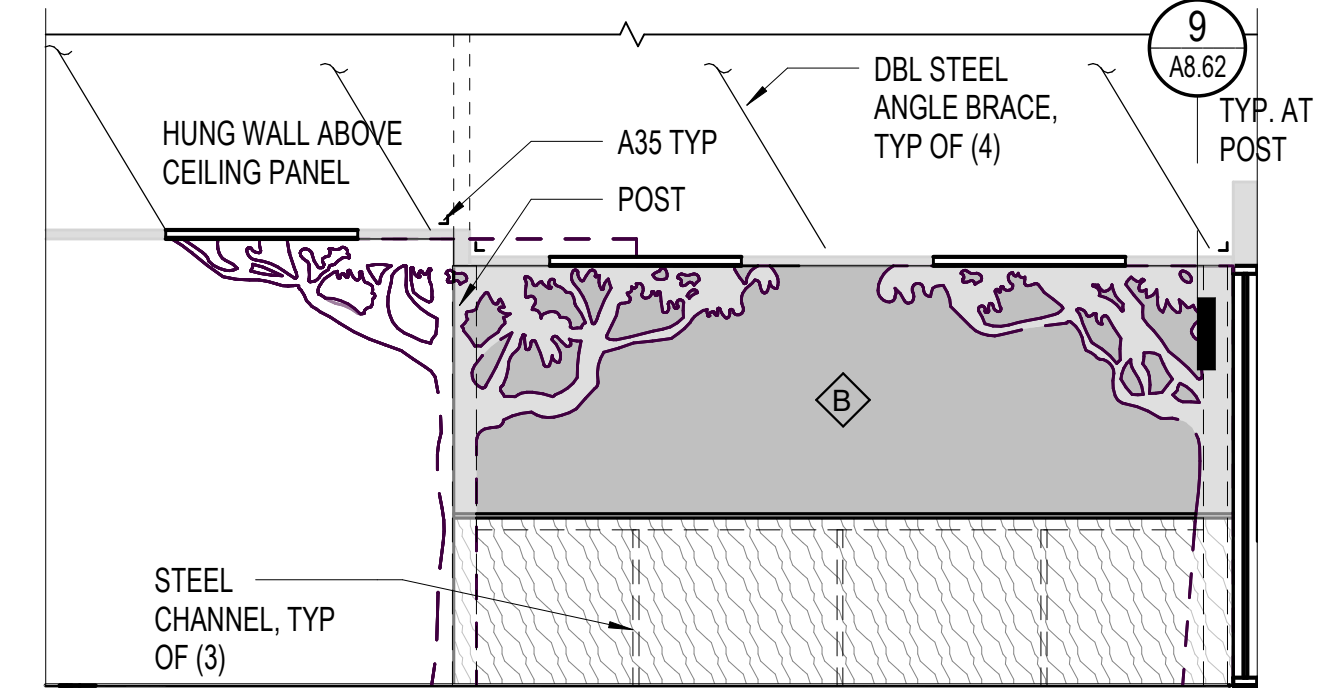
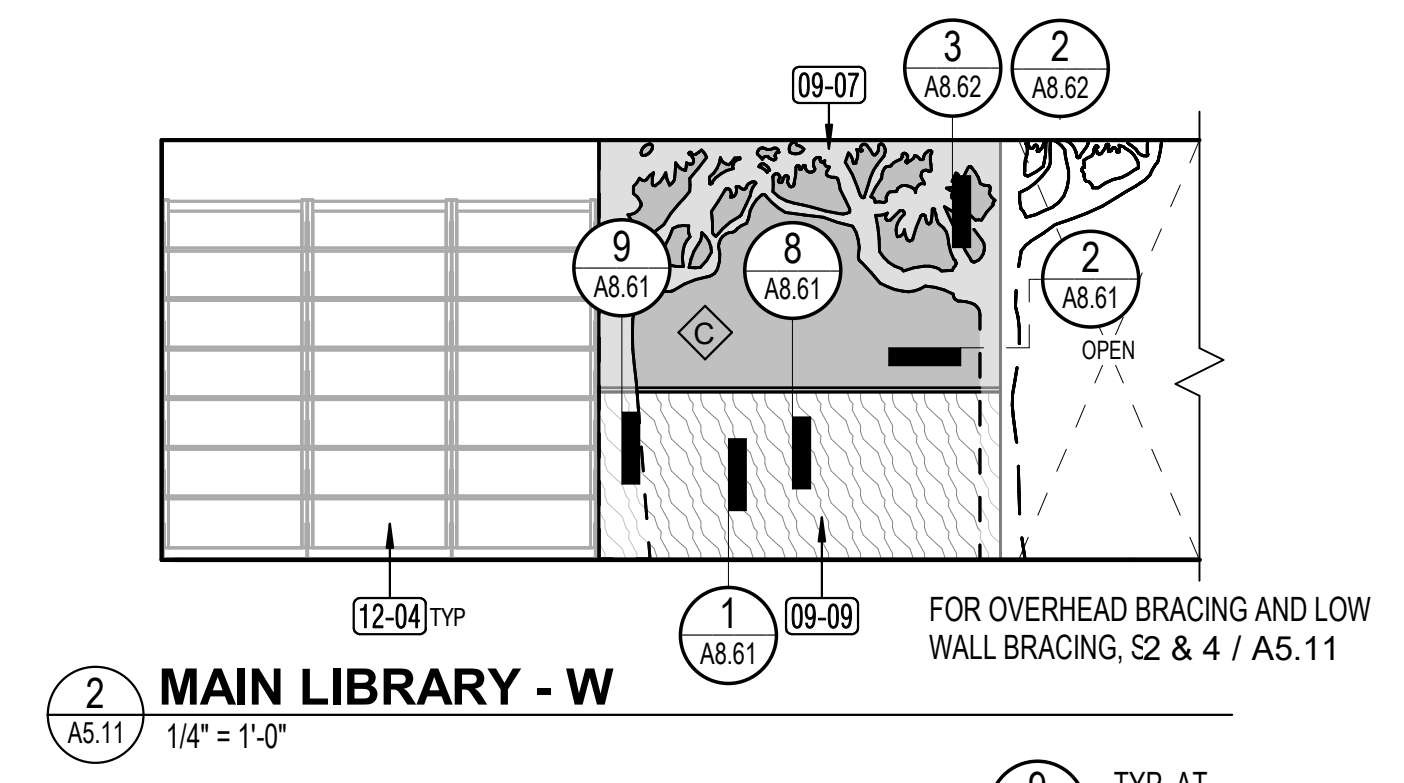
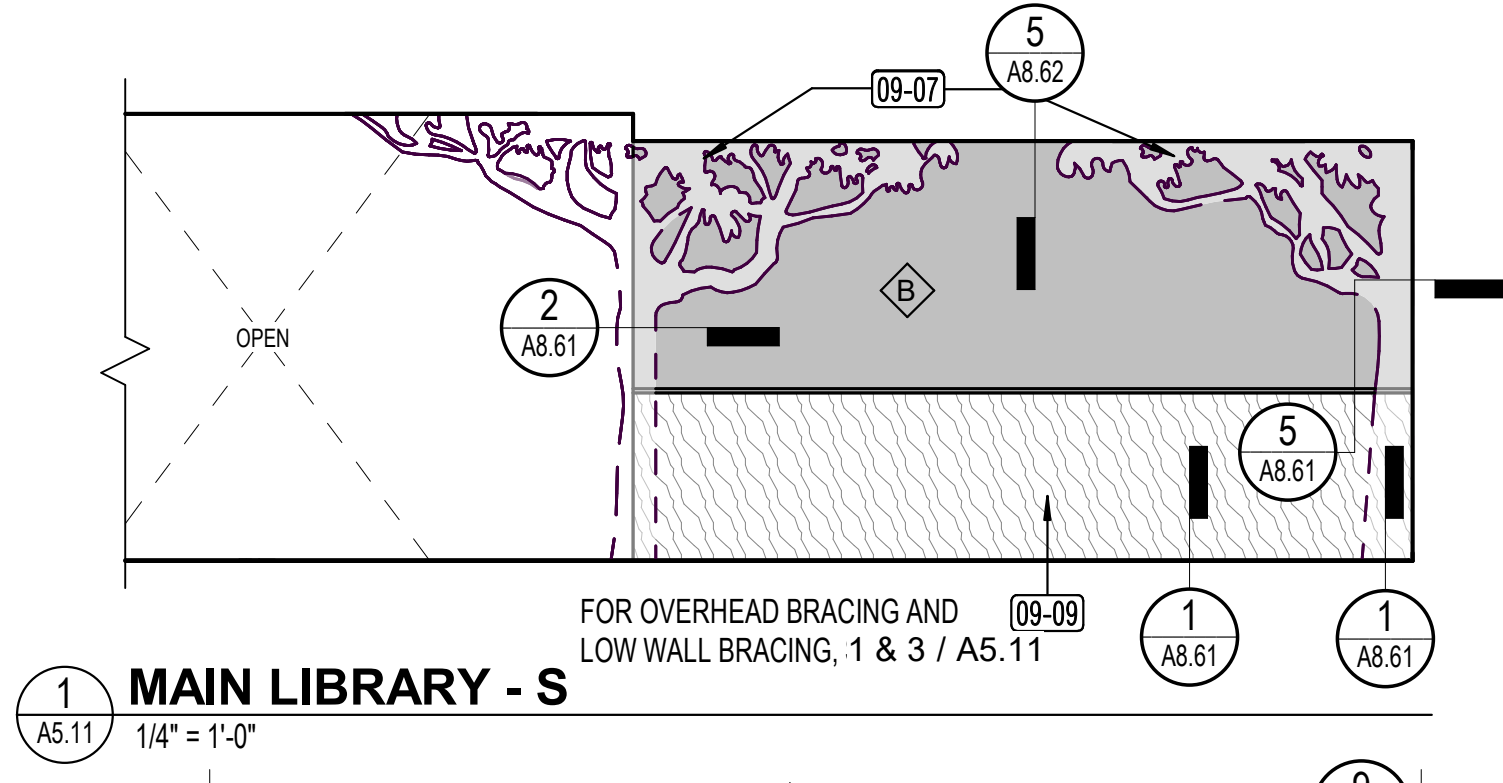
N&T JOB NUMBER: 22212.00

REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

SHEET TITLE
INTERIOR ELEVATIONS - CHILDREN'S AREA

SHEET NUMBER

A5.11



FINISH LEGEND

	GLASS
	SLATWALL NIC (BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY)
	TFP: TACKABLE FELT PANEL (PART OF A 2 STEP APPLICATION, SEE FINISH SCHEDULE)
	REMOVABLE UPHOLSTERY
	WP: WALL PROTECTION

GENERAL NOTES

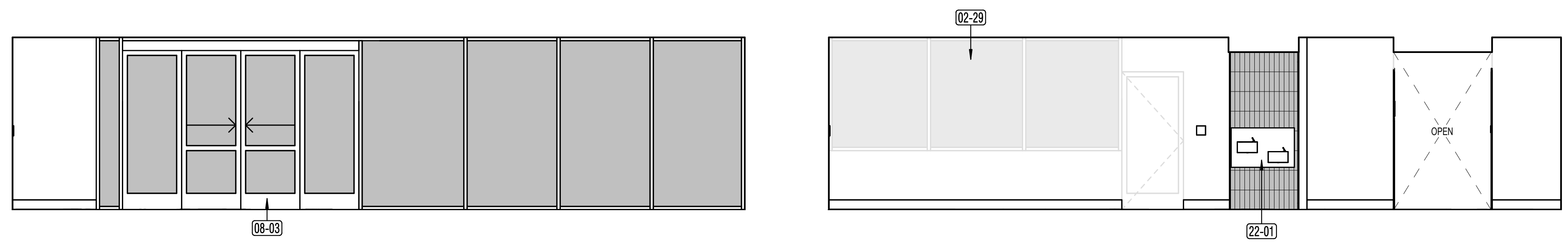
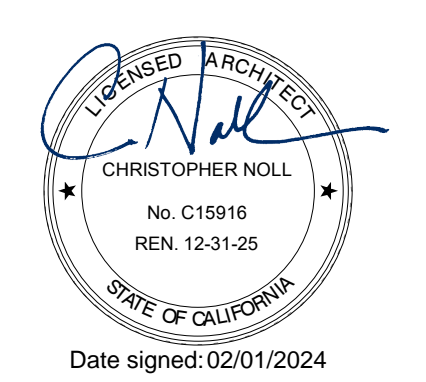
- REFER TO INTERIOR FINISH SCHEDULE/A9.11 FOR FLOOR, WALL AND CEILING FINISHES.
- PATCH AND REPAIR ALL FLOORING SUBSTRATES, WALLS, AND CEILINGS AS REQUIRED TO PROVIDE SMOOTH SURFACES FOR NEW FINISHES.
- SHELVING NIC BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY.
- PROVIDE BLOCKING FOR WALL MOUNTED ACCESSORIES AND CASEWORK

KEYNOTE LEGEND

Key Value	Keynote Text
06-02	BUILT IN WINDOW BENCH WITH PULL OUT DRAWERS BELOW
06-04	PROVIDE BUILT IN UPHOLSTERED WOOD WINDOW BENCH WITH LOCKING DRAWERS BELOW. SEE INT ELEVS.
08-03	AUTOMATIC SLIDING DOOR SYSTEM WITH SIDELITES
09-07	CUSTOM PLY WOOD ELEMENT NIC, PROVIDED BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY. PROVIDE BLOCKING.
09-09	CANTILEVERED LOW HEIGHT PARTITION WALL
12-01	WOOD SLATWALL NIC, BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY. SEE INT ELEVS FOR EXTENTS.

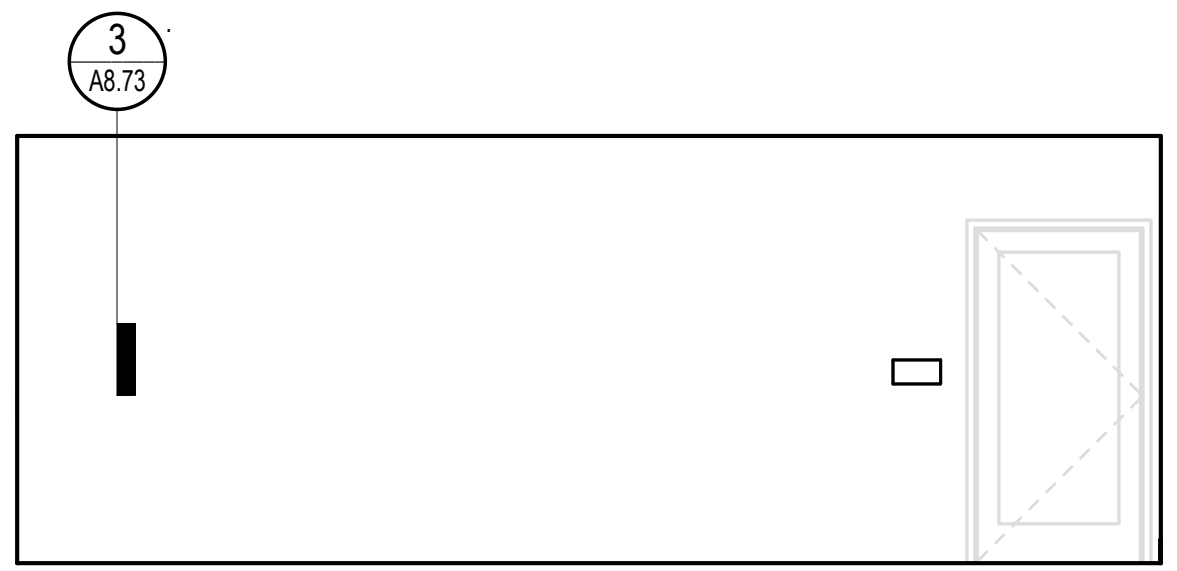
KEYNOTE LEGEND

Key Value	Keynote Text
12-02	MANUAL ROLLER SHADES AT WINDOWS. SIZE VIF.
12-04	SHELVING NIC BY SEPARATE CONTRACTOR, SHOWN FOR REFERENCE ONLY.
12-06	PICTURE RAIL SYSTEM, SEE ELEVATION FOR EXTENTS

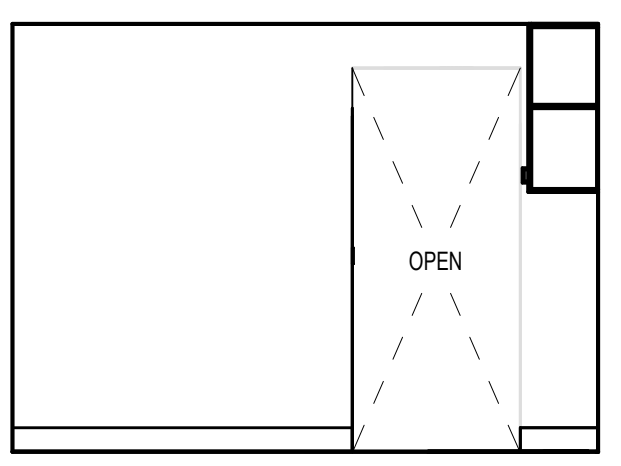


1 LOBBY - E
A5.12 1/4" = 1'-0"

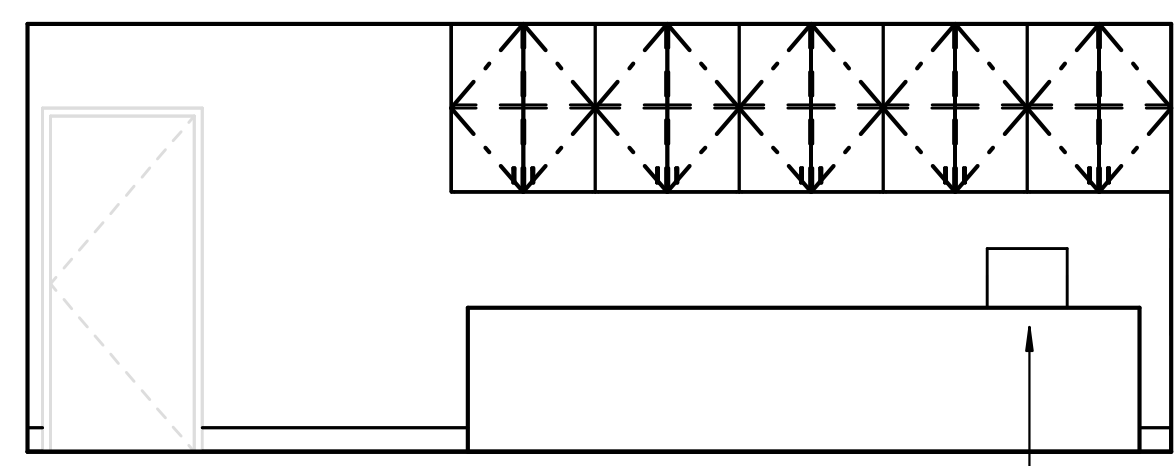
2 LOBBY - W
A5.12 1/4" = 1'-0"



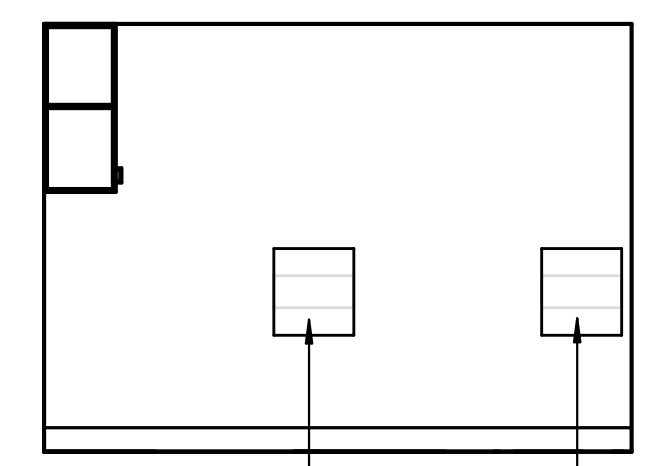
11 CIRC WORK AREA - N
A5.12 1/4" = 1'-0"



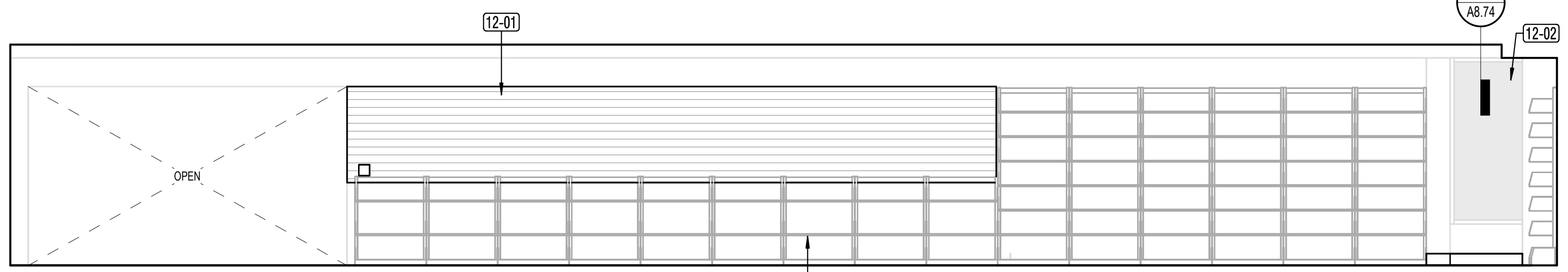
3 CIRC WORK AREA - E
A5.12 1/4" = 1'-0"



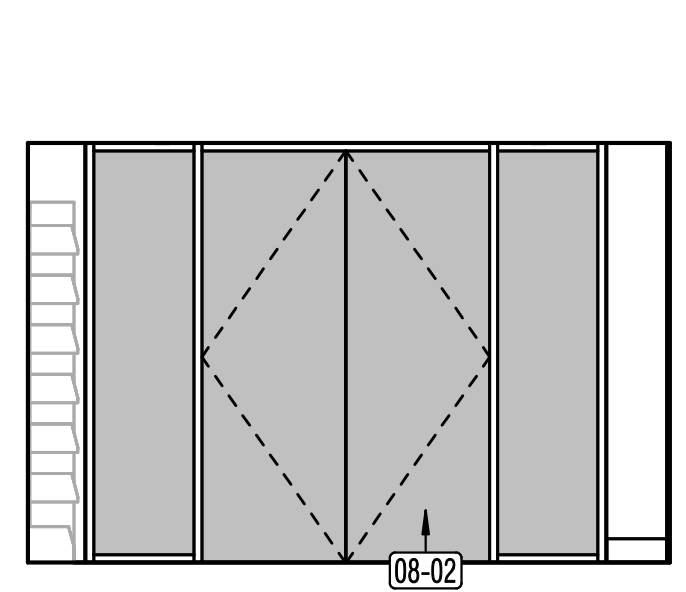
4 CIRC WORK AREA - S
A5.12 1/4" = 1'-0"



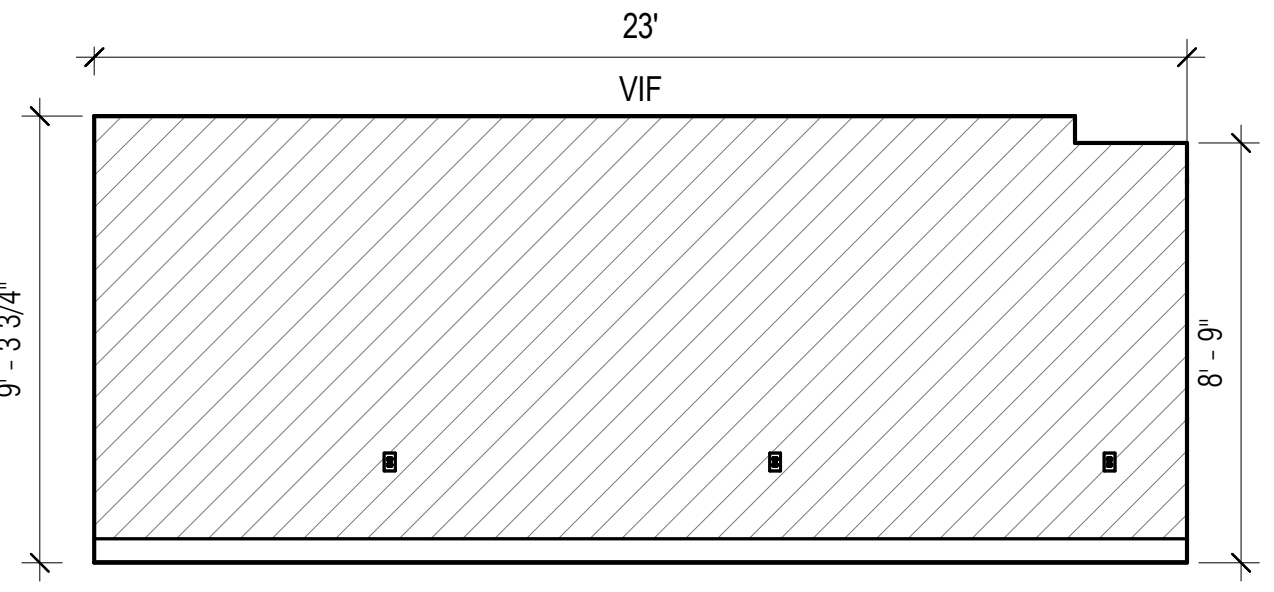
5 CIRC WORK AREA - W
A5.12 1/4" = 1'-0"



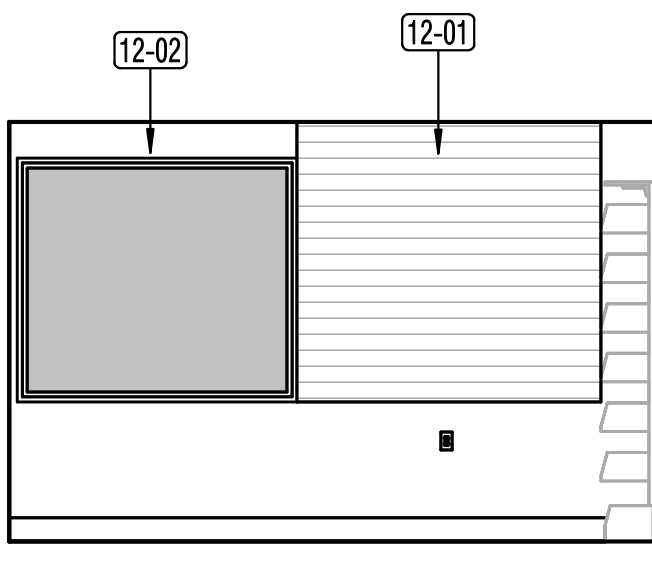
6 MAIN LIBRARY - E
A5.12 1/4" = 1'-0"



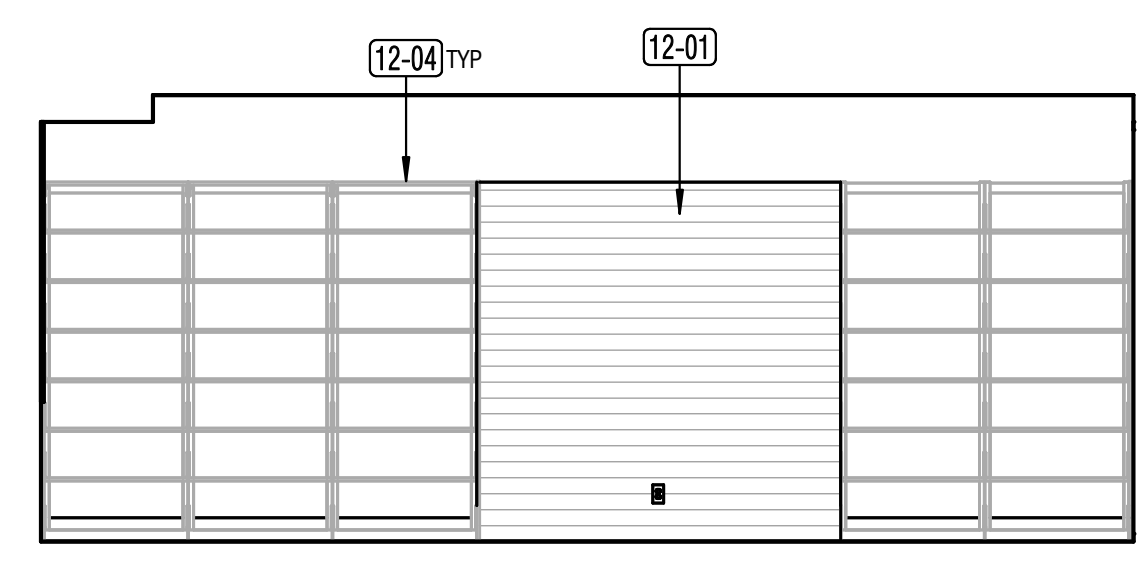
7 TEEN ROOM - N
A5.12 1/4" = 1'-0"



8 TEEN ROOM - E
A5.12 1/4" = 1'-0"



9 TEEN ROOM - S
A5.12 1/4" = 1'-0"



10 TEEN ROOM - W
A5.12 1/4" = 1'-0"

ELEVATION LEGEND

- CT-1 (SHOWN AS WHITE) & CT-2 (SHOWN AS BLACK)
1 TILE PER EVERY 24 IS CT-2, RANDOMIZE
 - CT-3 (ALIGN GROUT TO CT-1 AND CT-2)
- NOTE: FULL TILE TO BEGIN AT BASE, CUT AT CEILING

FINISH LEGEND

- GLASS
- SLATWALL NIC (BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY)
- TFP: TACKABLE FELT PANEL (PART OF A 2 STEP APPLICATION, SEE FINISH SCHEDULE)
- REMOVABLE UPHOLSTERY
- WP: WALL PROTECTION

GENERAL NOTES

- REFER TO INTERIOR FINISH SCHEDULE/A9.11 FOR FLOOR, WALL AND CEILING FINISHES.
- PATCH AND REPAIR ALL FLOORING SUBSTRATES, WALLS, AND CEILINGS AS REQUIRED TO PROVIDE SMOOTH SURFACES FOR NEW FINISHES.
- SHELVING NIC BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY.
- PROVIDE BLOCKING FOR WALL MOUNTED ACCESSORIES AND CASEWORK

KEYNOTE LEGEND

Key Value	Keynote Text
02-29	EXISTING WINDOWS TO REMAIN, PROTECT IN PLACE
08-02	INTERIOR STOREFRONT ASSEMBLY WITH DOOR
08-03	AUTOMATIC SLIDING DOOR SYSTEM WITH SIDELITES
11-01	MANUAL BOOK DROP
11-02	AUTOMATED BOOK DROP
12-01	WOOD SLATWALL NIC, BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY. SEE INT ELEVS FOR EXTENTS.
12-02	MANUAL ROLLER SHADES AT WINDOWS. SIZE VIF.
12-04	SHELVING NIC BY SEPARATE CONTRACTOR, SHOWN FOR REFERENCE ONLY.

KEYNOTE LEGEND

Key Value	Keynote Text
22-01	DRINKING FOUNTAIN WITH INTEGRAL BOTTLE FILLER. SPD.

SEAL

APPROVALS

PROJECT TITLE

4/30/2024
Healdsburg
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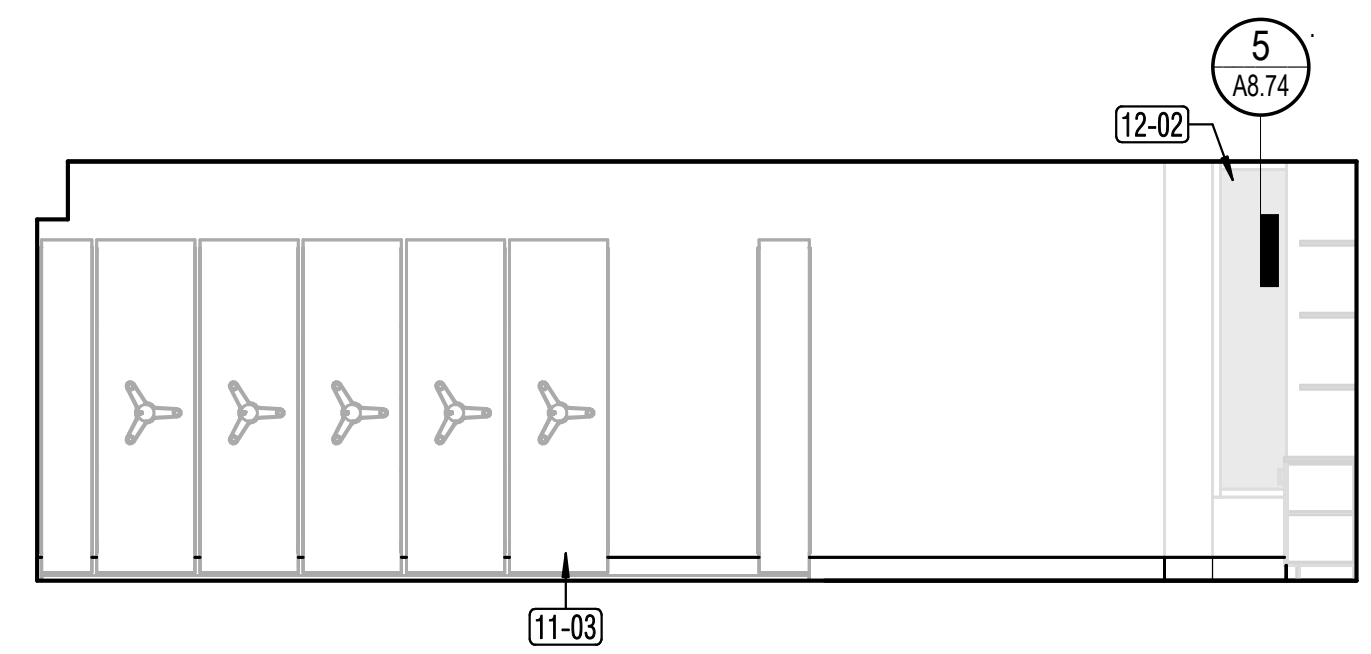
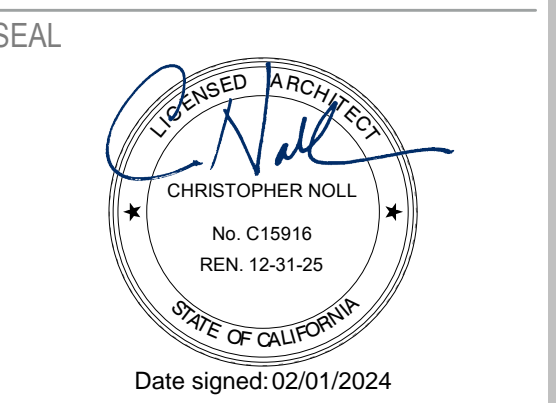
REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

SHEET TITLE

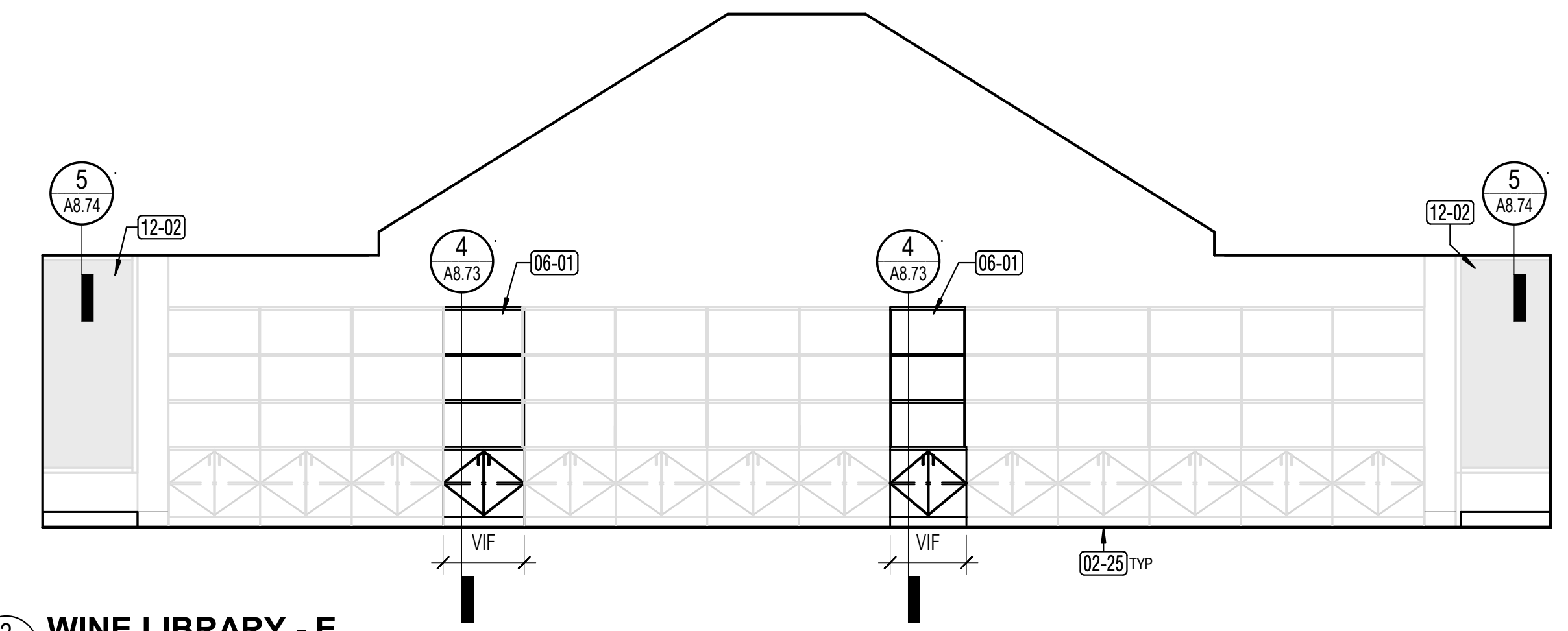
INTERIOR ELEVATIONS

SHEET NUMBER

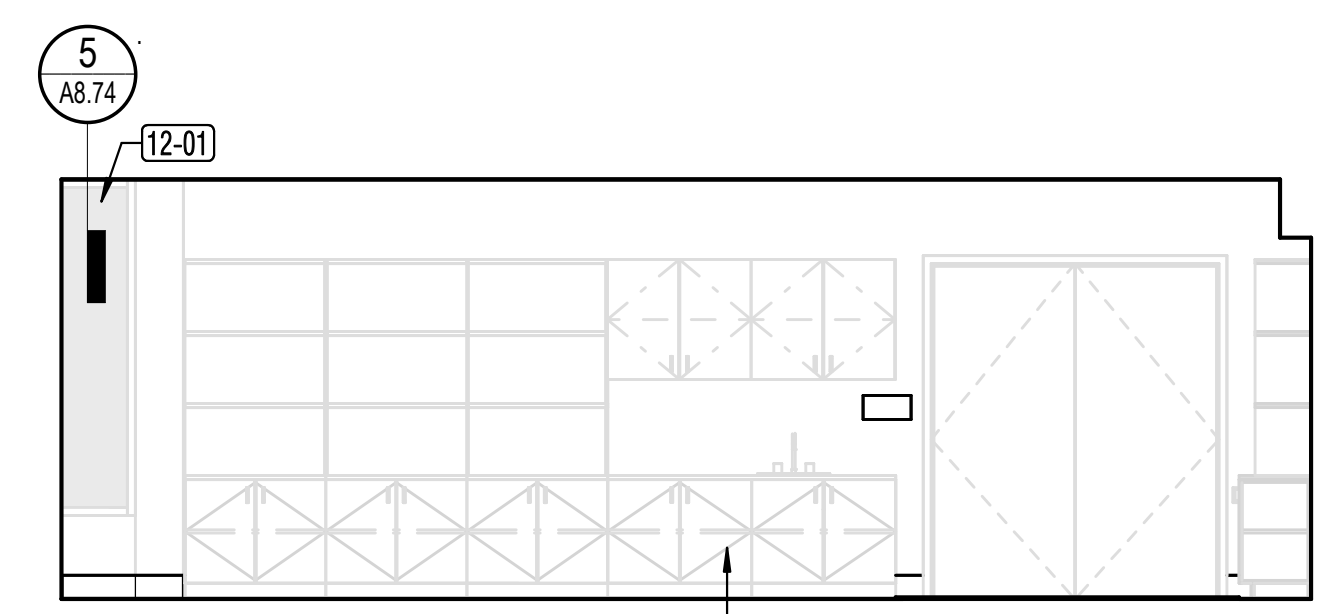
A5.12



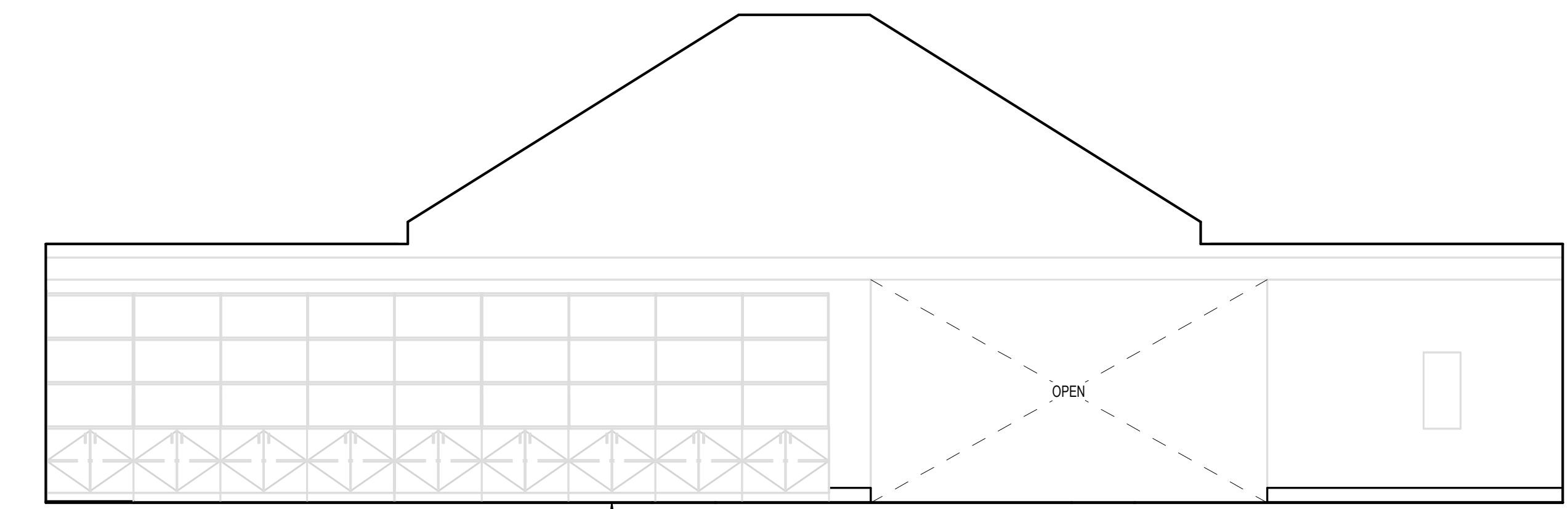
1 WINE LIBRARY - N
A5.13 1/4" = 1'-0"



2 WINE LIBRARY - E
A5.13 1/4" = 1'-0"



3 WINE LIBRARY - S
A5.13 1/4" = 1'-0"



4 WINE LIBRARY - W
A5.13 1/4" = 1'-0"

FINISH LEGEND

- GLASS
- SLATWALL NIC (BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY)
- TFP: TACKABLE FELT PANEL (PART OF A 2 STEP APPLICATION, SEE FINISH SCHEDULE)
- REMOVABLE UPHOLSTERY
- WP: WALL PROTECTION

GENERAL NOTES

1. REFER TO INTERIOR FINISH SCHEDULE/A9.11 FOR FLOOR, WALL AND CEILING FINISHES.
2. PATCH AND REPAIR ALL FLOORING SUBSTRATES, WALLS, AND CEILINGS AS REQUIRED TO PROVIDE SMOOTH SURFACES FOR NEW FINISHES.
3. SHELVING NIC BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY.
4. PROVIDE BLOCKING FOR WALL MOUNTED ACCESSORIES AND CASEWORK

KEYNOTE LEGEND	
Key Value	Keynote Text
02-25	EXISTING CASEWORK TO REMAIN IN PLACE. PROTECT IN PLACE, TYP.
06-01	CASEWORK TO MATCH EXISTING IN KIND
11-03	HIGH DENSITY SHELVING NIC BY SEPARATE CONTRACTOR. SHOWN FOR REFERENCE ONLY.
12-01	WOOD SLATWALL NIC, BY SEPARATE CONTRACT, SHOWN FOR REFERENCE ONLY. SEE INT ELEVS FOR EXTENTS.
12-02	MANUAL ROLLER SHADES AT WINDOWS. SIZE VIF.

APPROVALS

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4/30/2024
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REVISIONS	
	DATE DESCRIPTION
1	4/30/2024 Permit Set Comments 1

SHEET TITLE

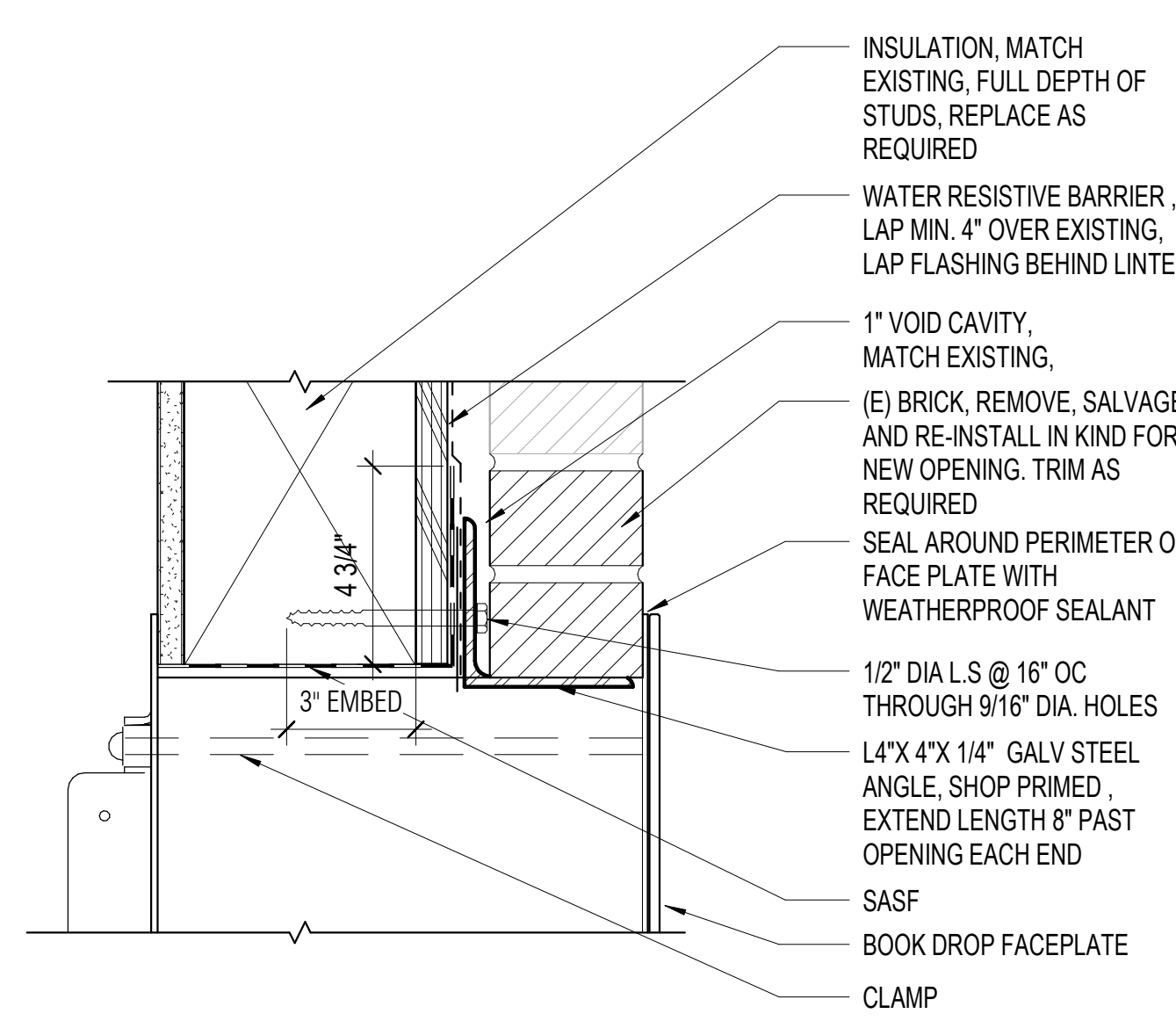
INTERIOR ELEVATIONS - WINE LIBRARY

SHEET NUMBER

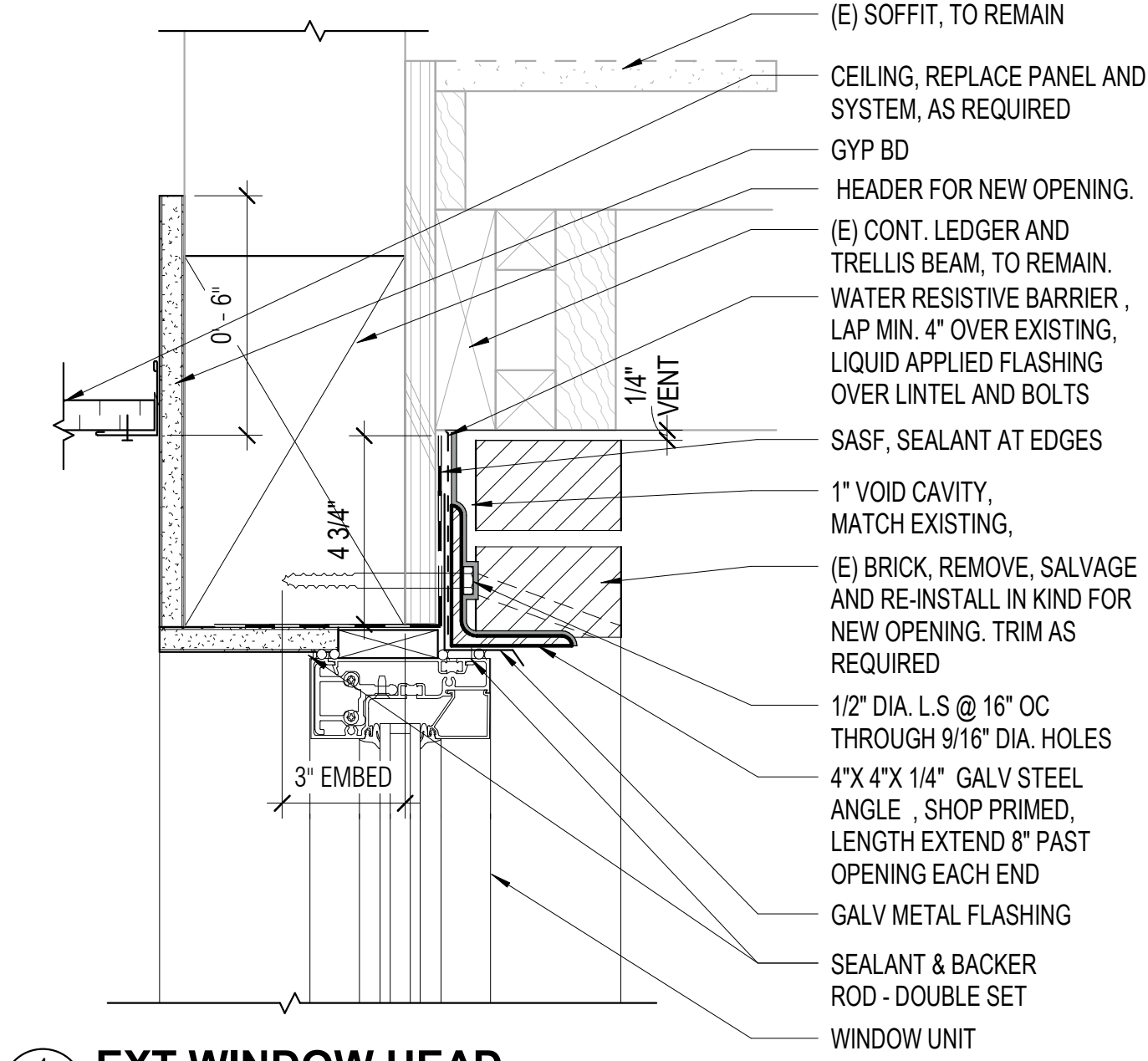
A5.13

GENERAL NOTES

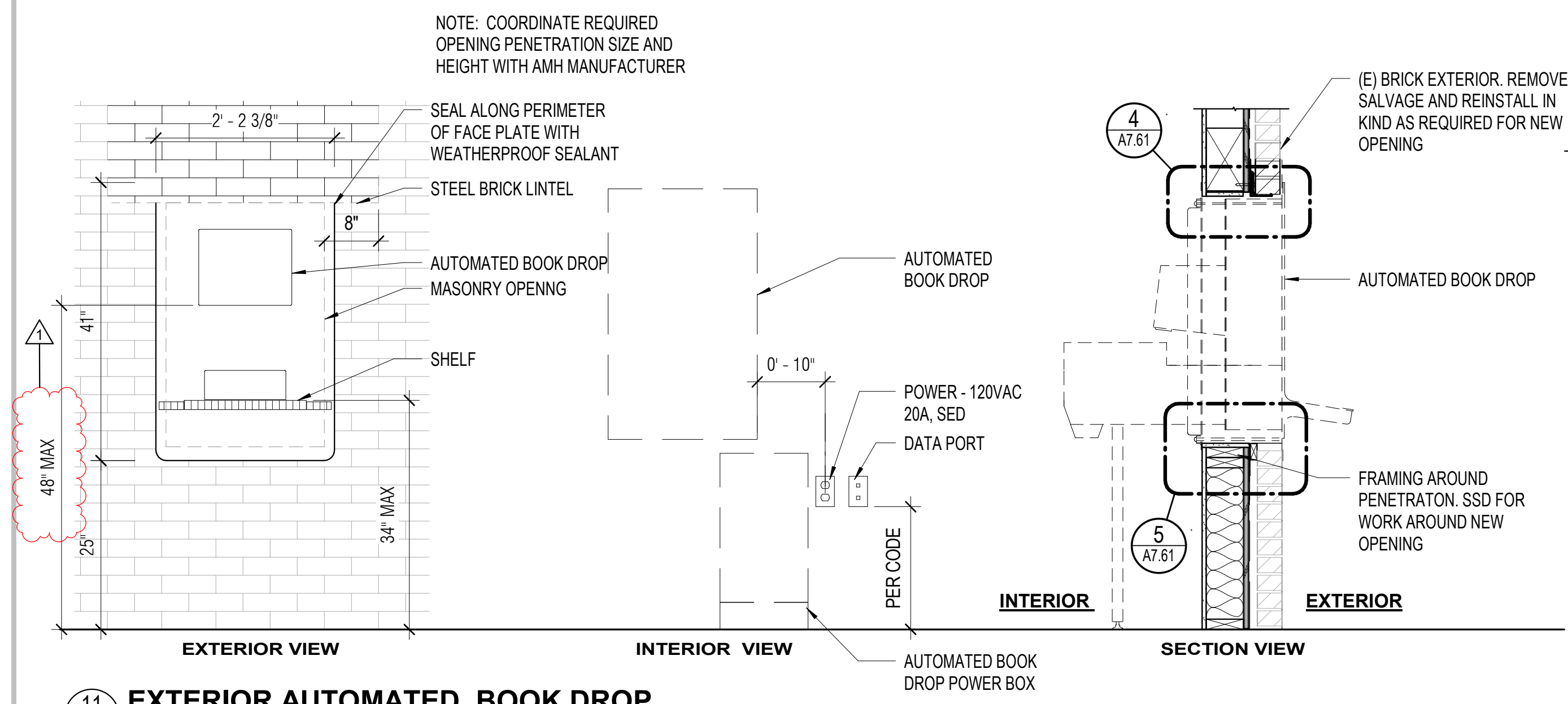
- NOTE:
 1. PROVIDE 1/2" WEEP TUBES @ 4' OC AT BRICK AT LINTEL.
 2. SHORE UP TRELIS LEDGER AS REQUIRED AND REMOVE/ REINSTALL TRELIS AS NECESSARY FOR NEW OPENING.
 3. PROVIDE BRICK VENEER ANCHORS AND CLIPS TO MATCH EXISTING
 4. FIELD VERIFY BRICK MODULE. PROVIDE OPENING AT NEAREST FULL MODULE. REVIEW WITH ARCHITECT PRIOR TO OPENING PLACEMENT.
 5. EXISTING TRELIS, LEDGER AND BEAMS, TO REMAIN IN PLACE.
 6. REPOINT MORTAR AT BRICK VENEER, WHERE AFFECTED BY NEW SCOPE.
 7. MAKE ADJUSTMENT TO RWL WHERE OCCURS.



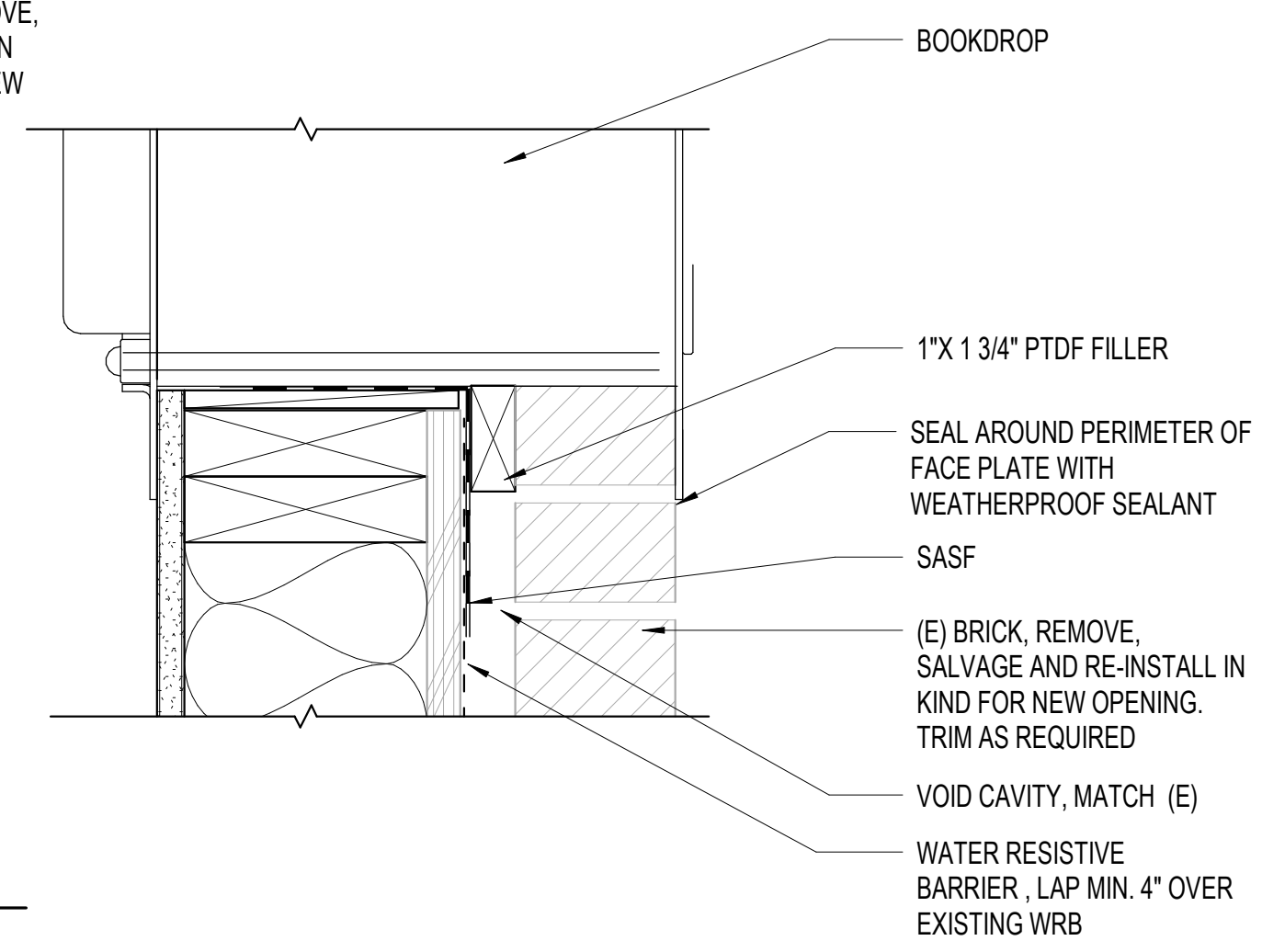
4 EXT AUTOMATED BOOK DROP - HEAD
 A7.61 3" = 1'-0"



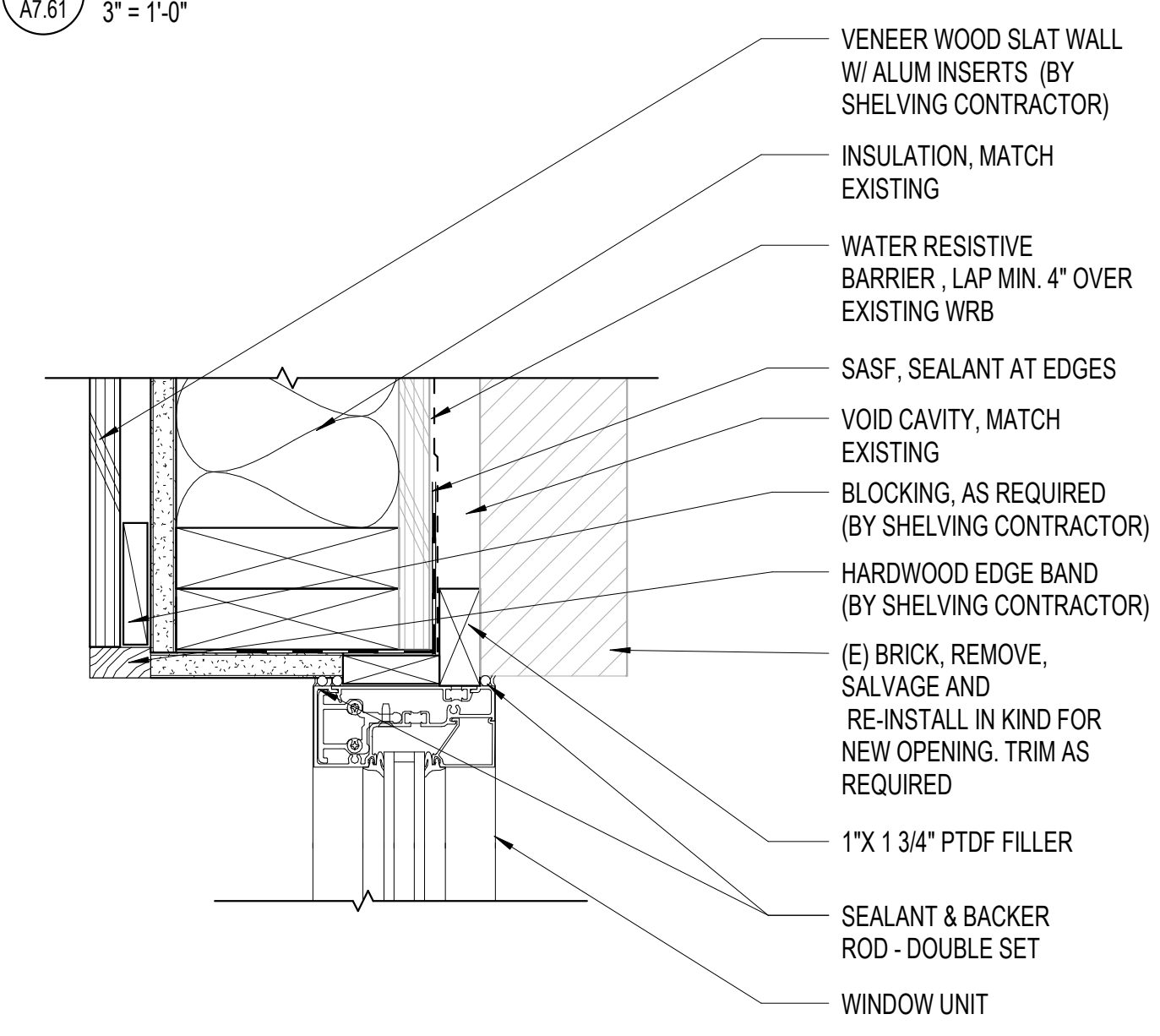
1 EXT WINDOW HEAD
 A7.61 3" = 1'-0"



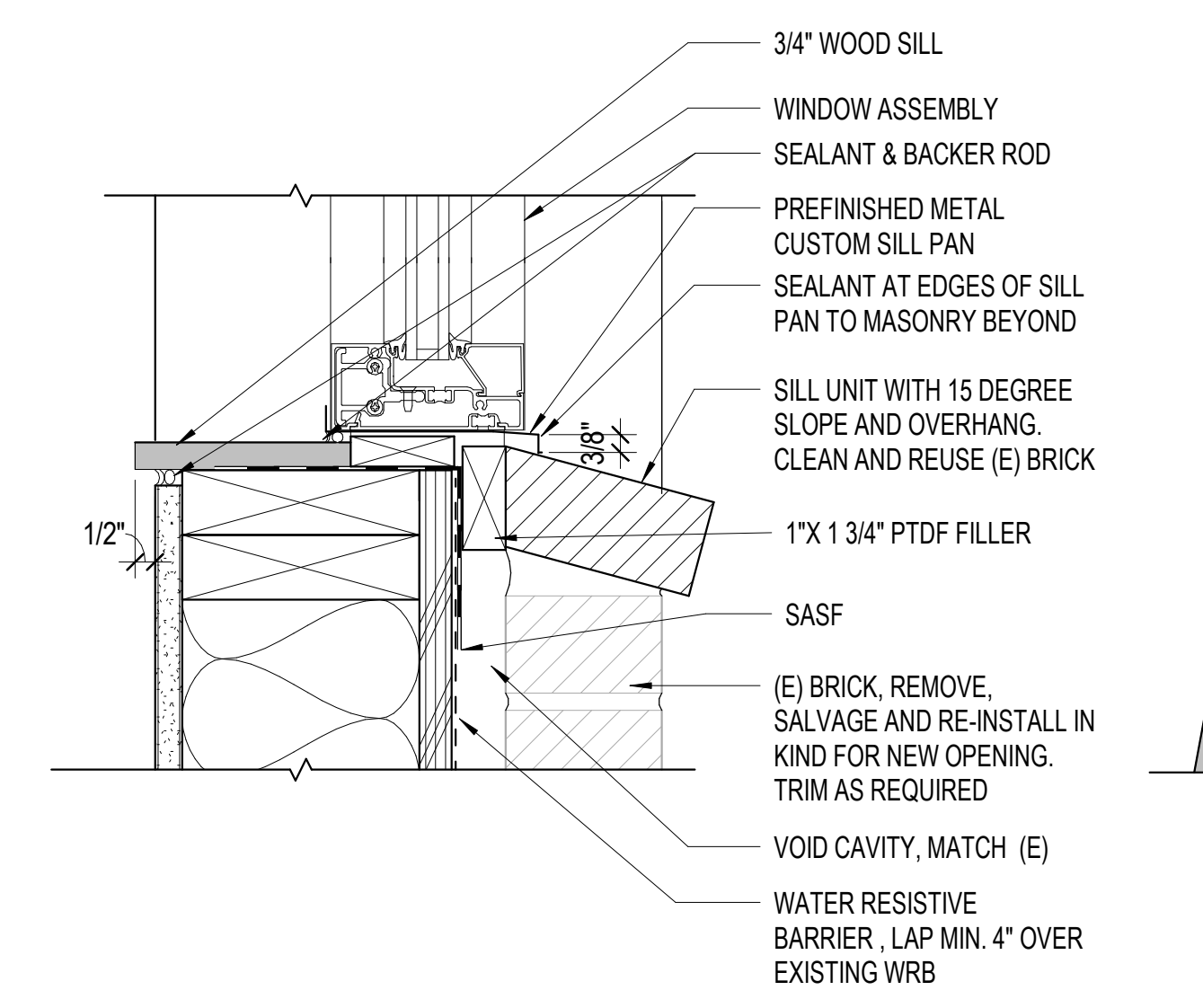
11 EXTERIOR AUTOMATED BOOK DROP
 A7.61 3/4" = 1'-0"



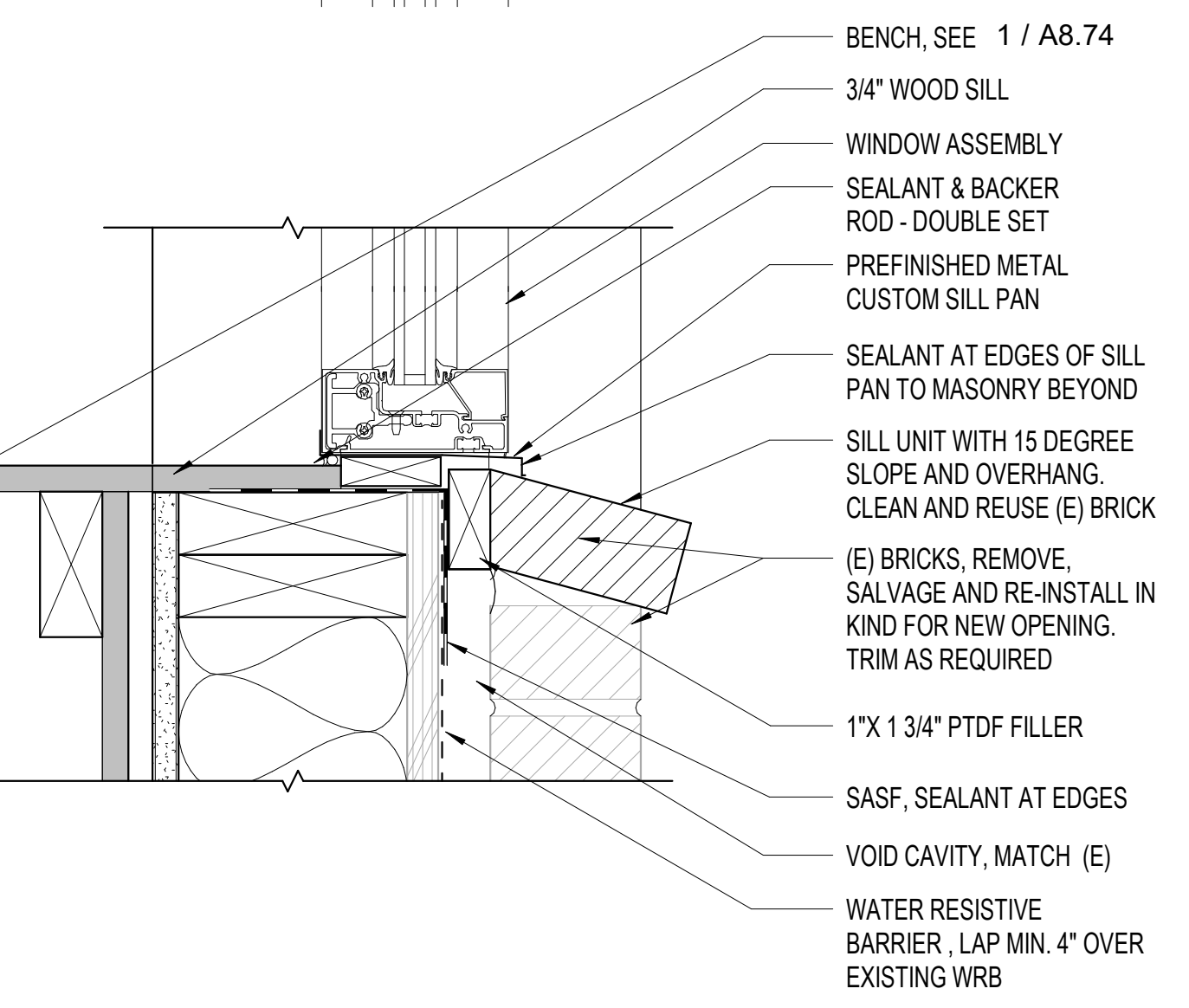
5 EXT AUTOMATED BOOK DROP - SILL, JAMB SIM.
 A7.61 3" = 1'-0"



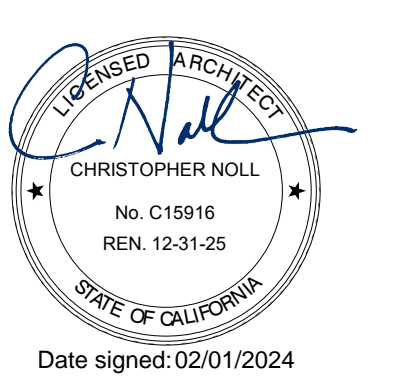
2 EXT WINDOW JAMB
 A7.61 3" = 1'-0"



10 EXT WINDOW SILL - TEEN
 A7.61 3" = 1'-0"



3 EXT WINDOW SILL - CHILDREN
 A7.61 3" = 1'-0"



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APPROVALS

PROJECT TITLE

**4/30/2024
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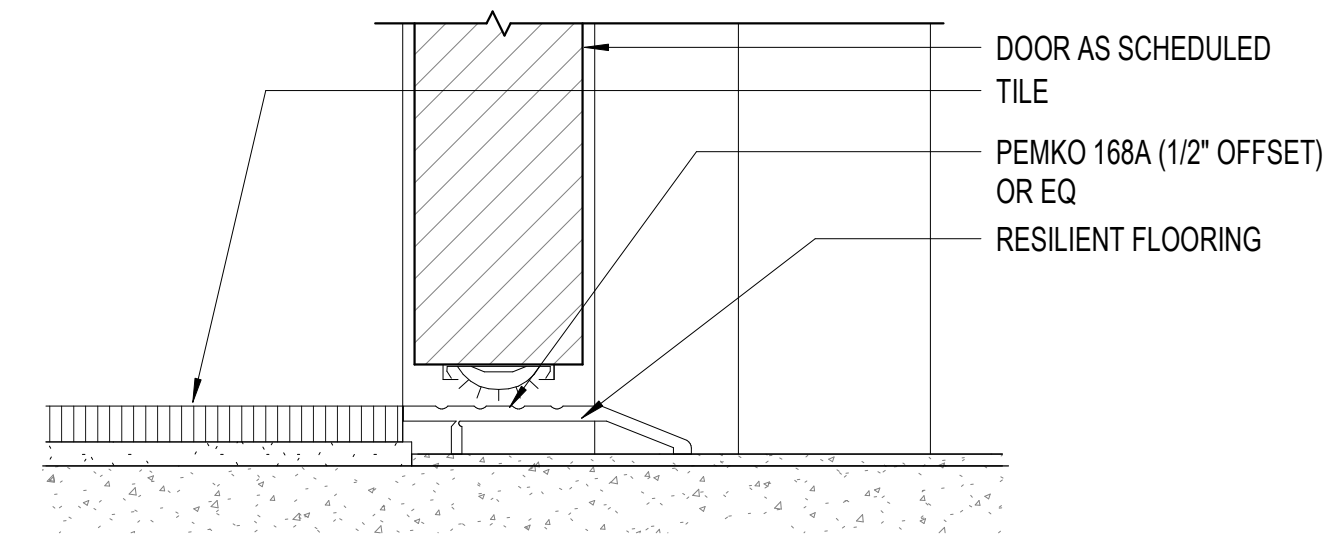
ISSUE DATE: 04/30/2024
 N&T JOB NUMBER: 22212.00

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1	4/30/2024	Permit Set Comments 1

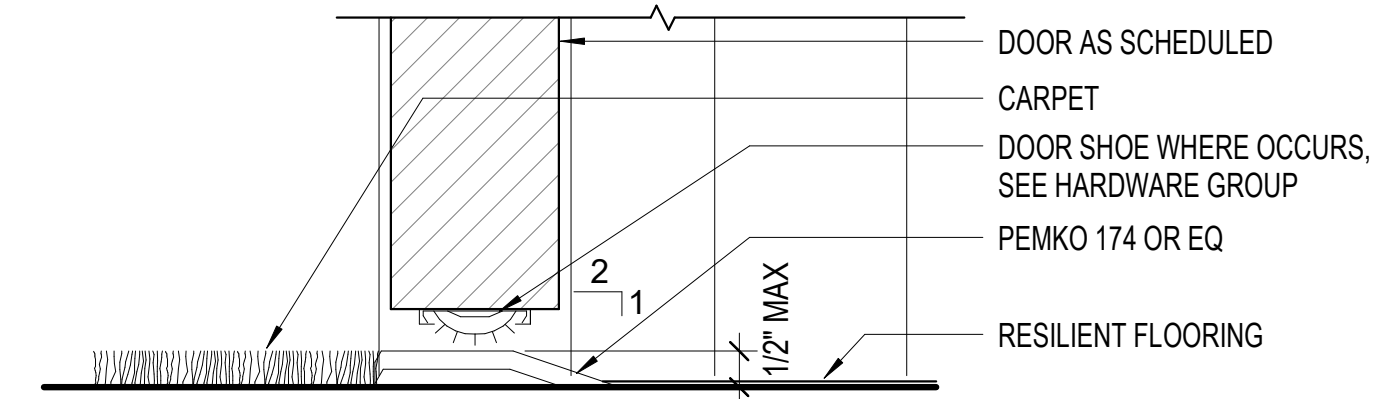
SHEET TITLE
EXTERIOR - WINDOW & BOOK DROP

SHEET NUMBER

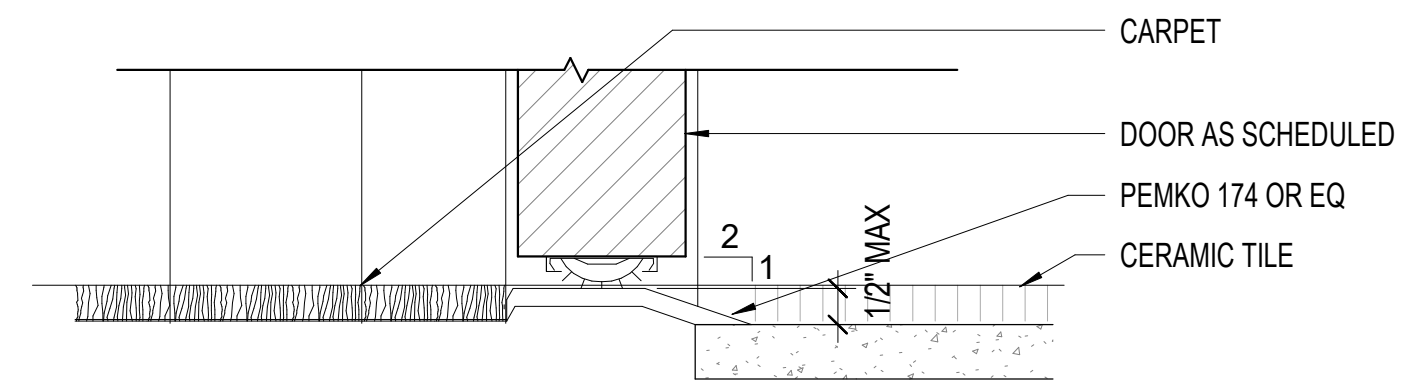
A7.61



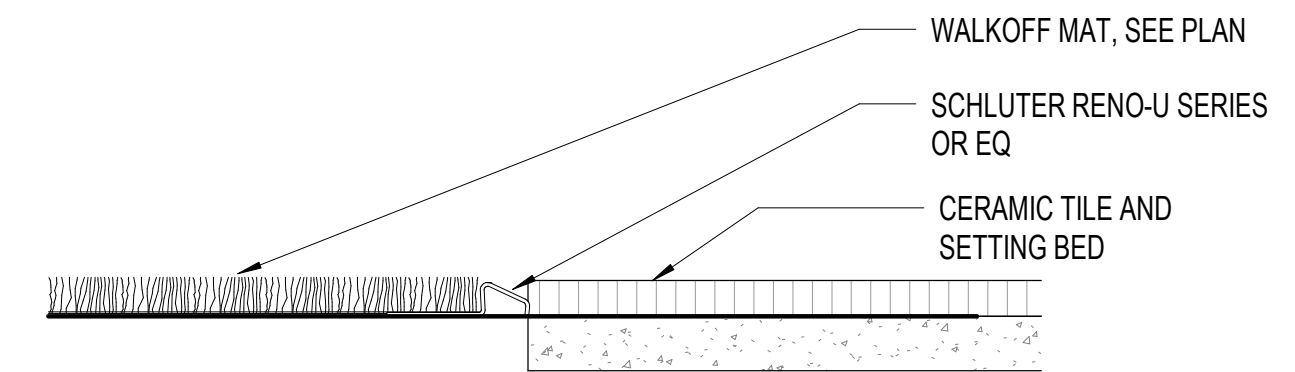
1 CERAMIC TILE/ RESILIENT FLOORING
 A8.21 6" = 1'-0"



2 CARPET /RESILIENT FLOORING
 A8.21 6" = 1'-0"

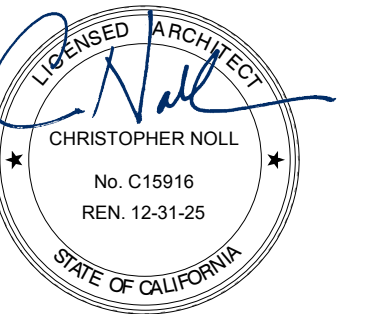


3 CARPET/ PORCELAIN TILE
 A8.21 6" = 1'-0"



4 WALKOFF CARPET / PORCELAIN TILE
 A8.21 6" = 1'-0"

SEAL



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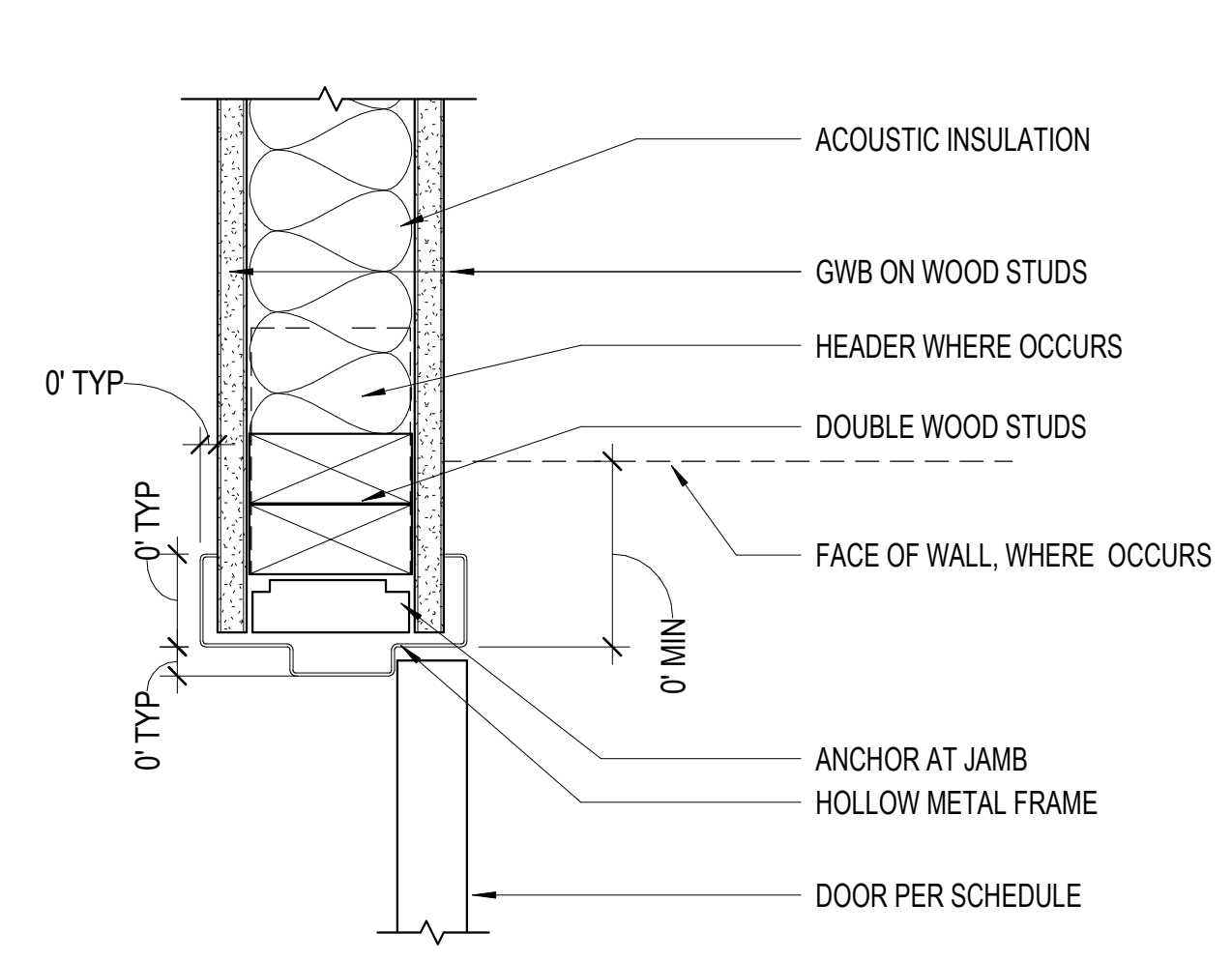
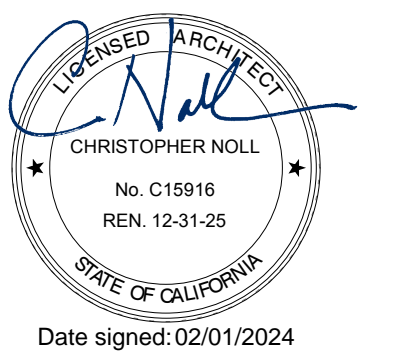
REVISIONS	DATE	DESCRIPTION
1	4/30/2024	Permit Set Comments 1

SHEET TITLE

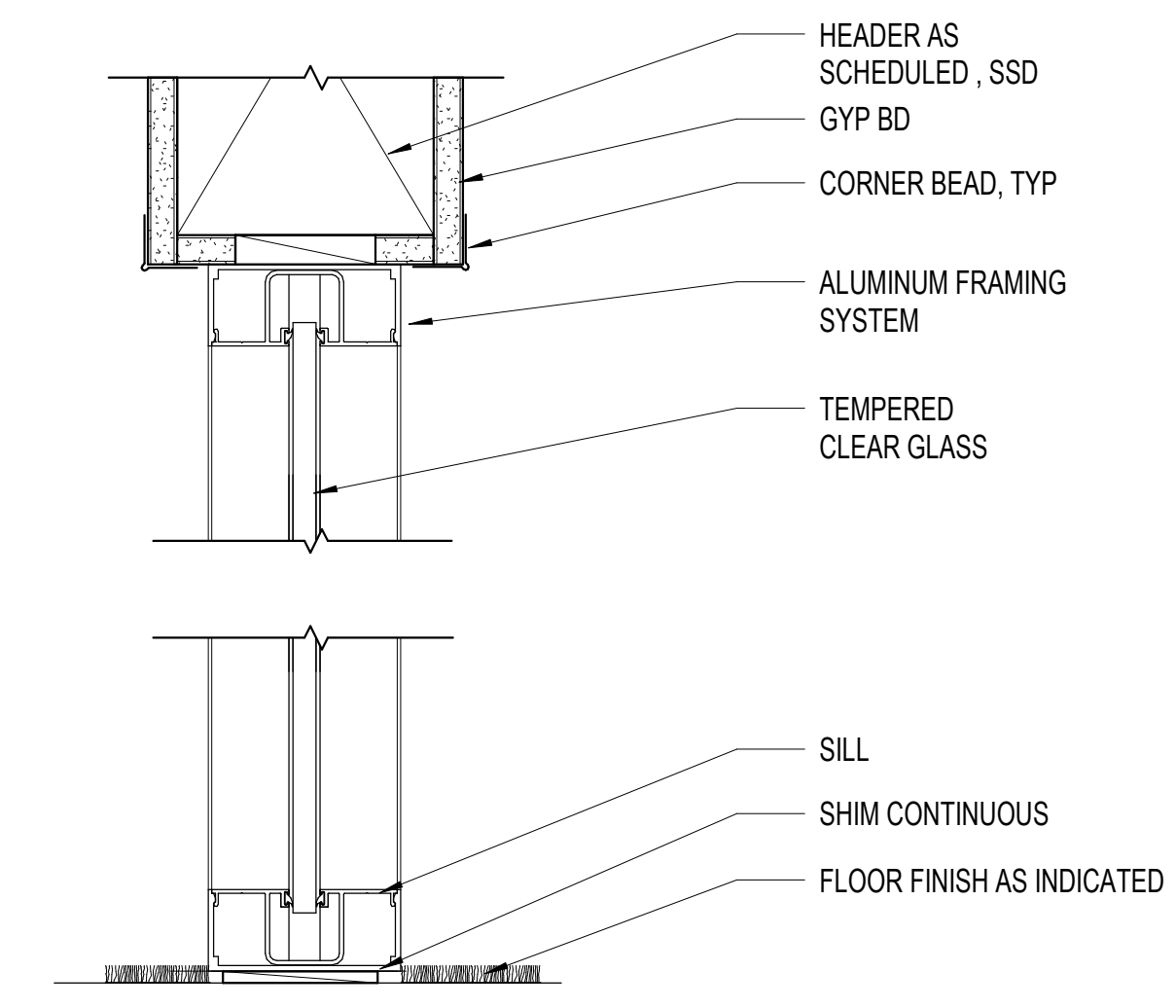
INTERIOR DETAILS -
FLOOR TRANSITIONS,
THRESHOLDS

SHEET NUMBER

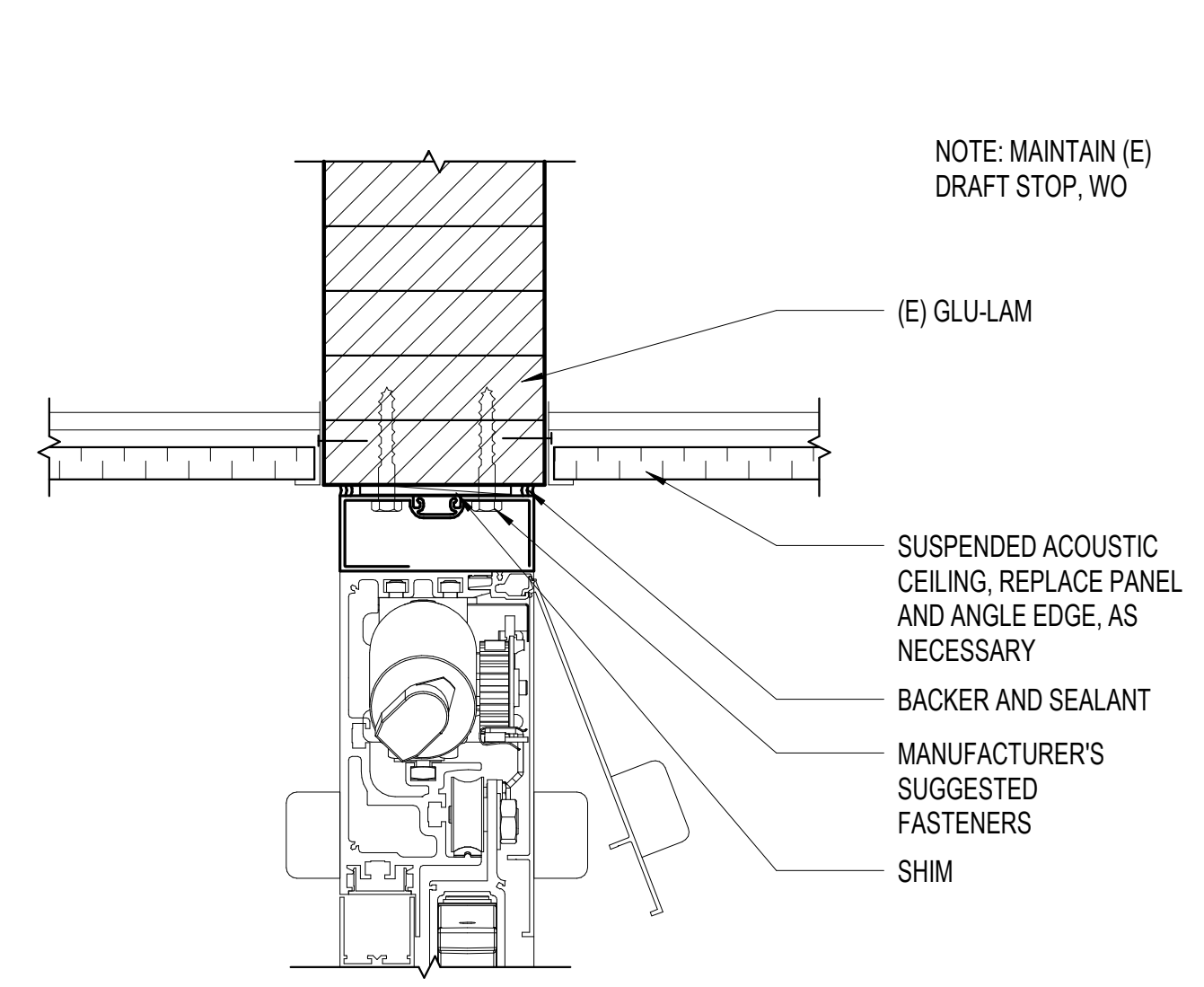
A8.21



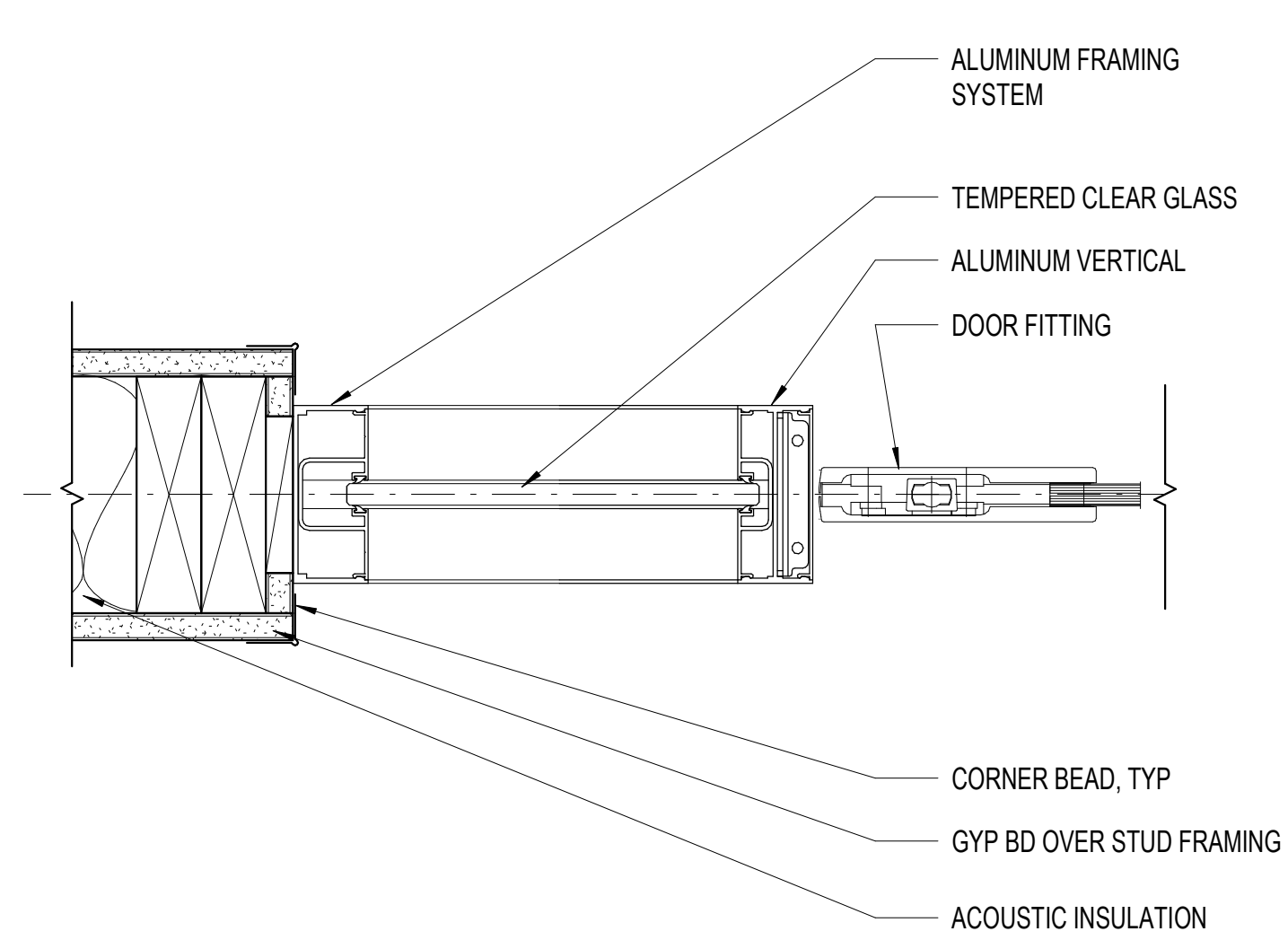
7
A8.51 3" = 1'-0"
INTERIOR HM DOOR JAMB - HEAD SIM.



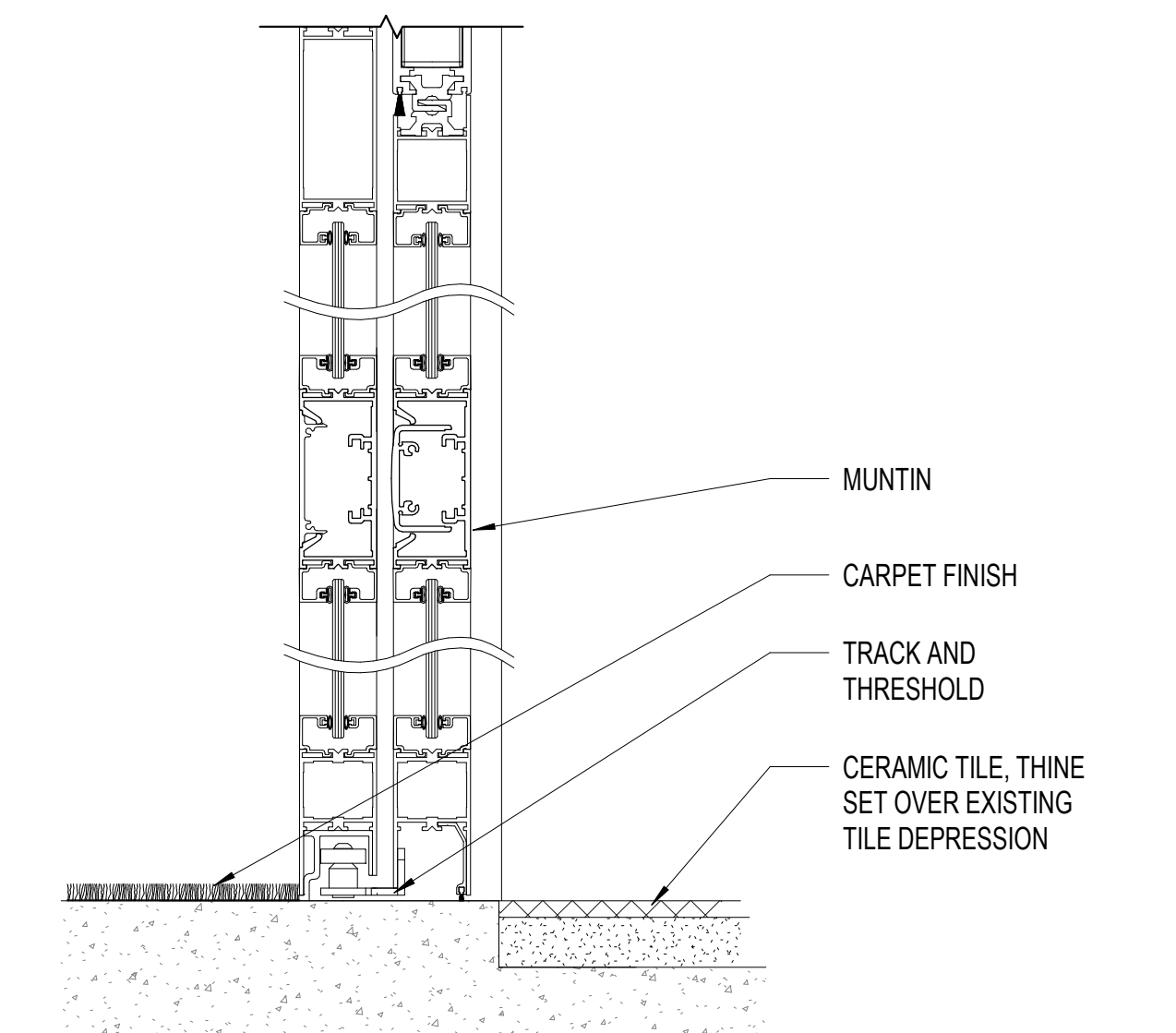
4
A8.51 3" = 1'-0"
INTERIOR STOREFRONT - HEAD & SILL



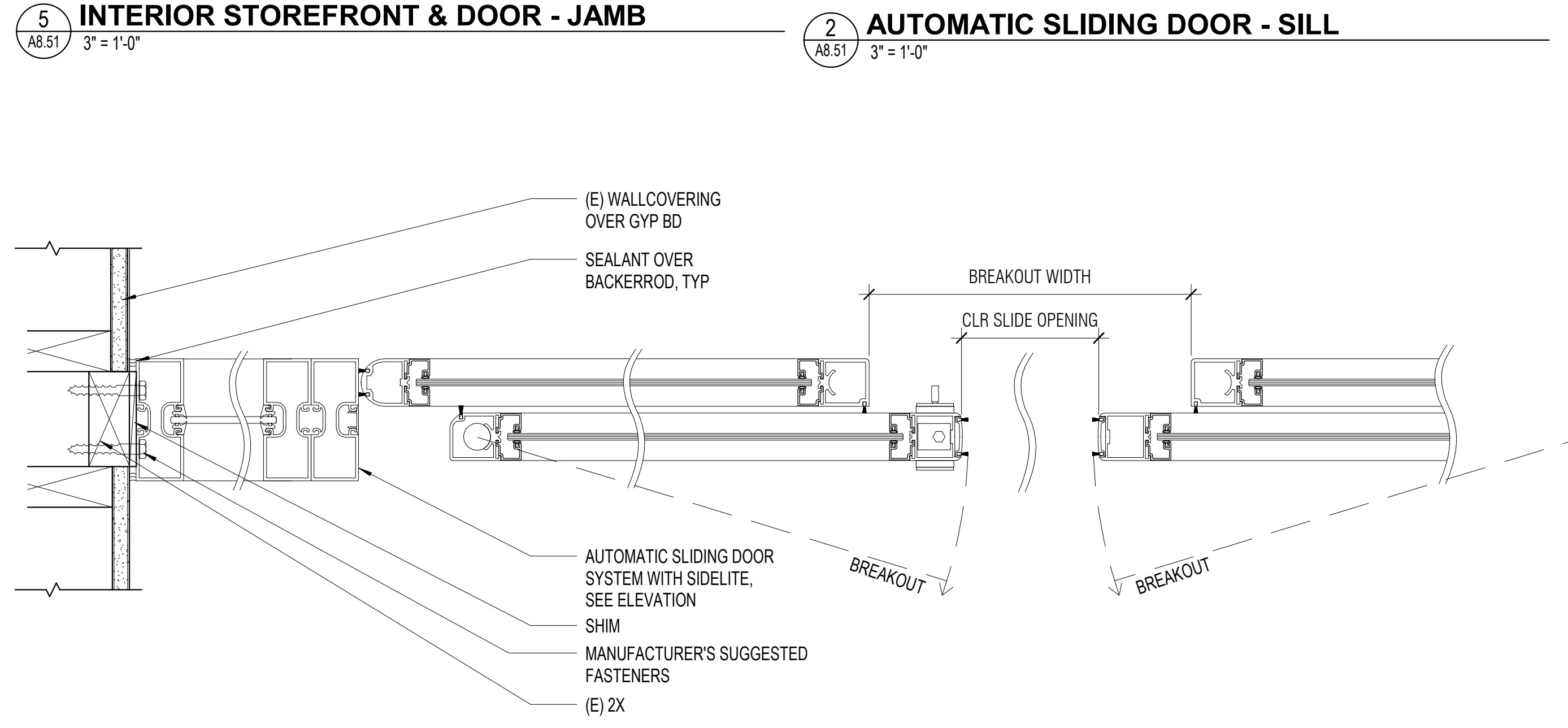
1
A8.51 3" = 1'-0"
AUTOMATIC SLIDING DOOR - HEAD



5
A8.51 3" = 1'-0"
INTERIOR STOREFRONT & DOOR - JAMB



2
A8.51 3" = 1'-0"
AUTOMATIC SLIDING DOOR - SILL



6
A8.51 3" = 1'-0"
AUTOMATIC SLIDING DOOR - JAMB

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N&T JOB NUMBER: 22212.00

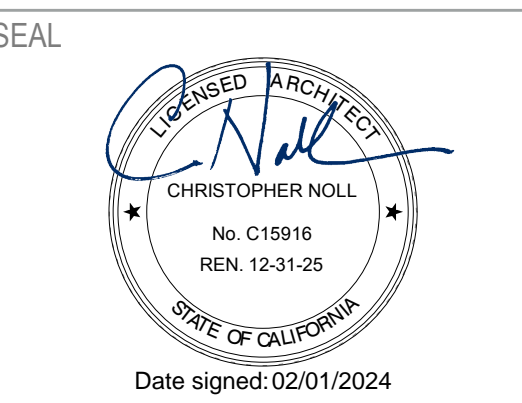
REVISIONS	DATE	DESCRIPTION
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SHEET TITLE

INTERIOR DETAILS -
WINDOW &
STOREFRONT

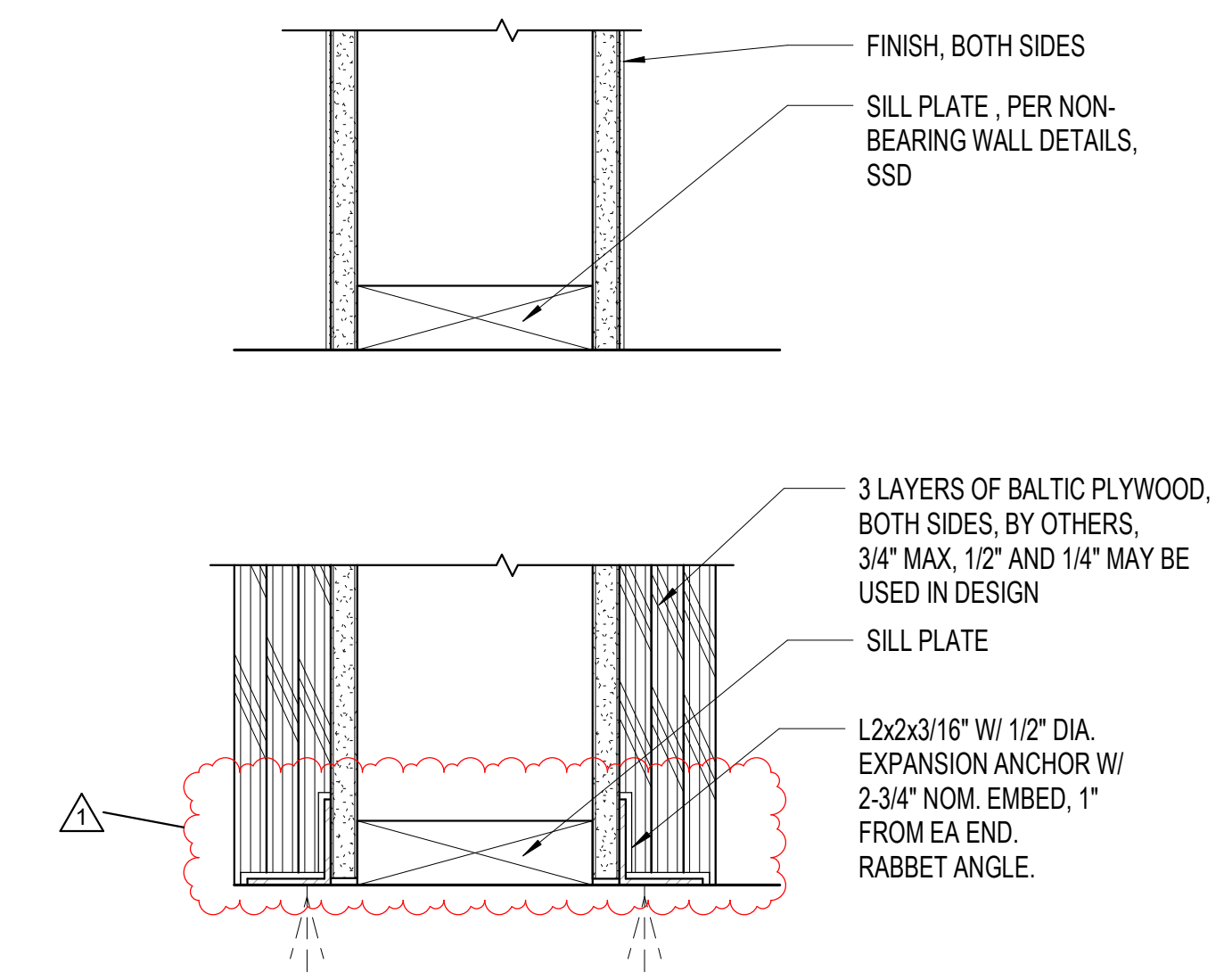
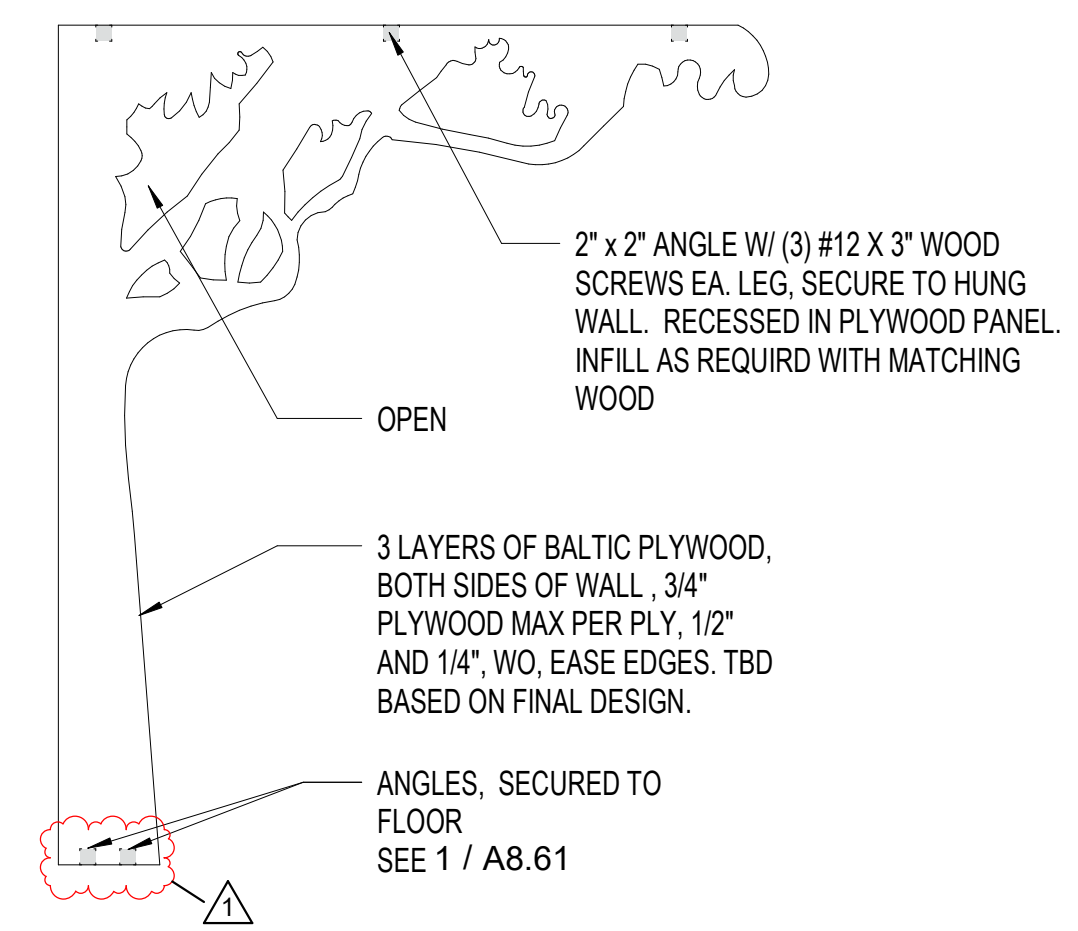
SHEET NUMBER

A8.51



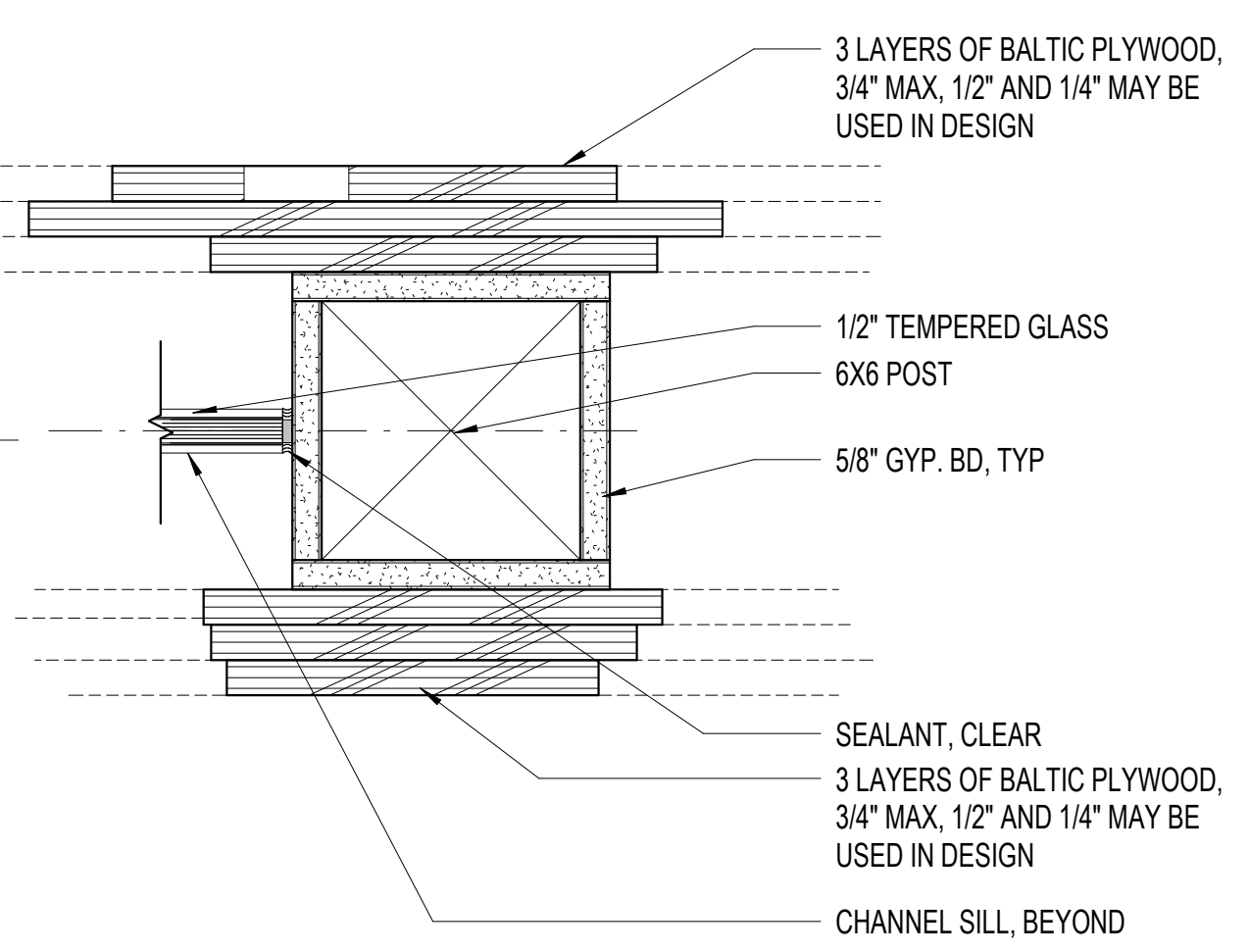
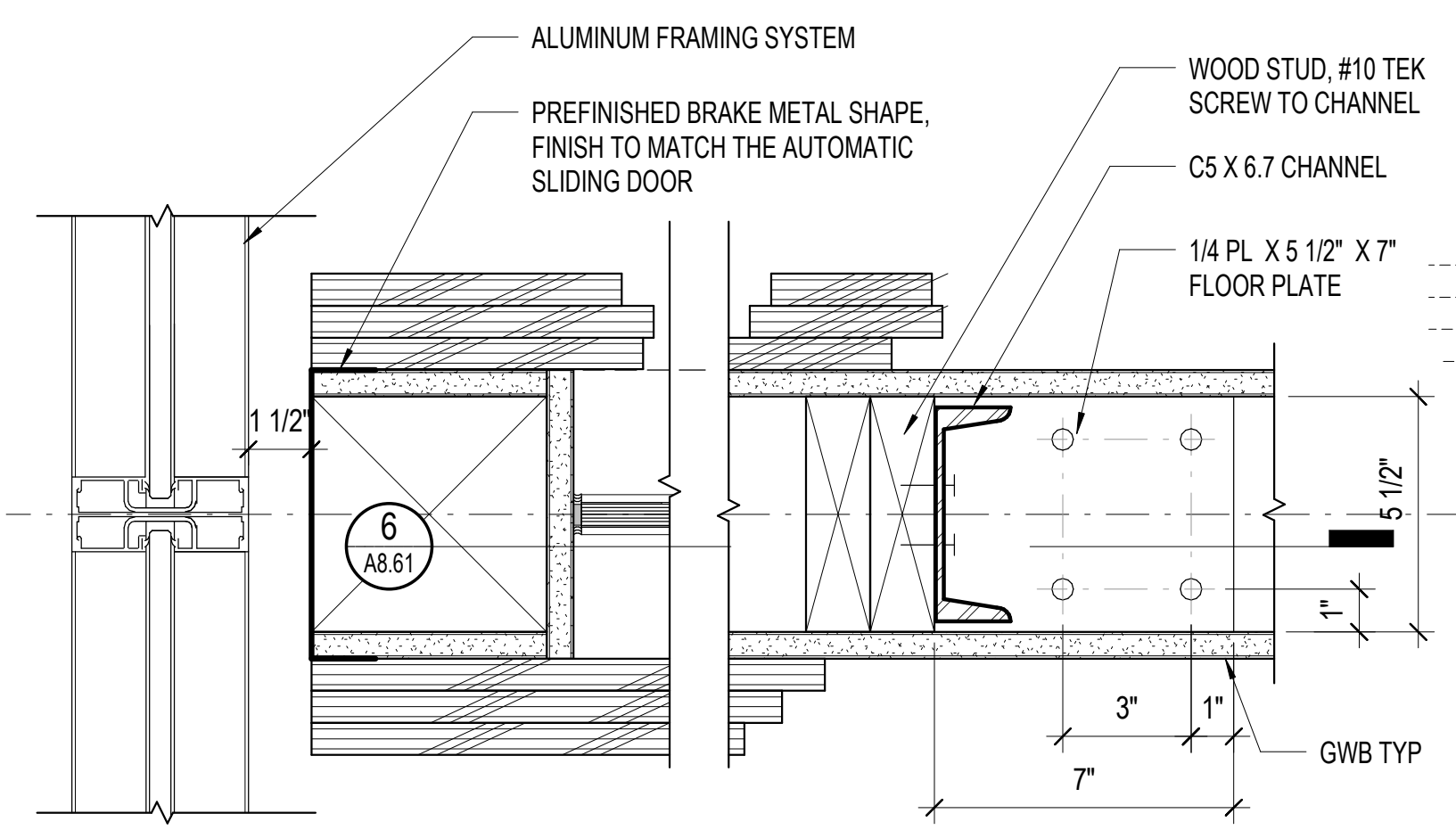
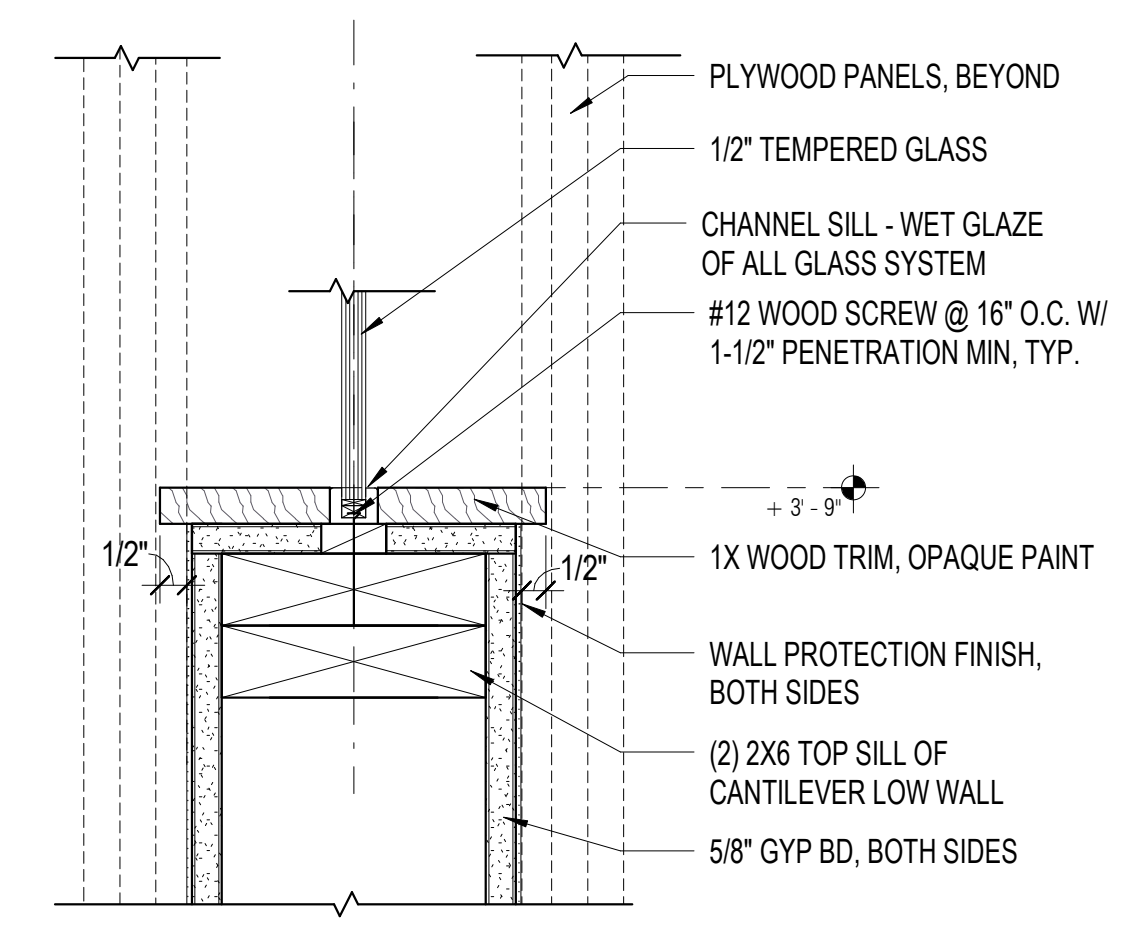
GENERAL NOTES

- NOTE:
1. LOW WALL, FRAMING, GLAZING, HUNG WALL, AND OVERHEAD SUPPORT AND FRAMING ARE PART OF BASE SCOPE.
 2. DECORATIVE TREE PANELS AND ANCHORAGE TO CEILING, WALL, AND FLOOR TO BE DESIGN BUILD UNDER SEPARATE CONTRACT.
 3. ANCHORS FOR DECORATIVE TREE PANEL TO BE CONCEALED. FILL ANY SMALL VISIBLE HOLES.
 4. MINIMIZE THE NUMBER OF PANELS JOINTS IN THE TREE PANEL.
 5. DESIGN BUILD FABRICATOR TO SUBMIT SHOP DRAWINGS FOR DECORATIVE TREE PANELS FOR REVIEW.



4
A8.61 1/2" = 1'-0"

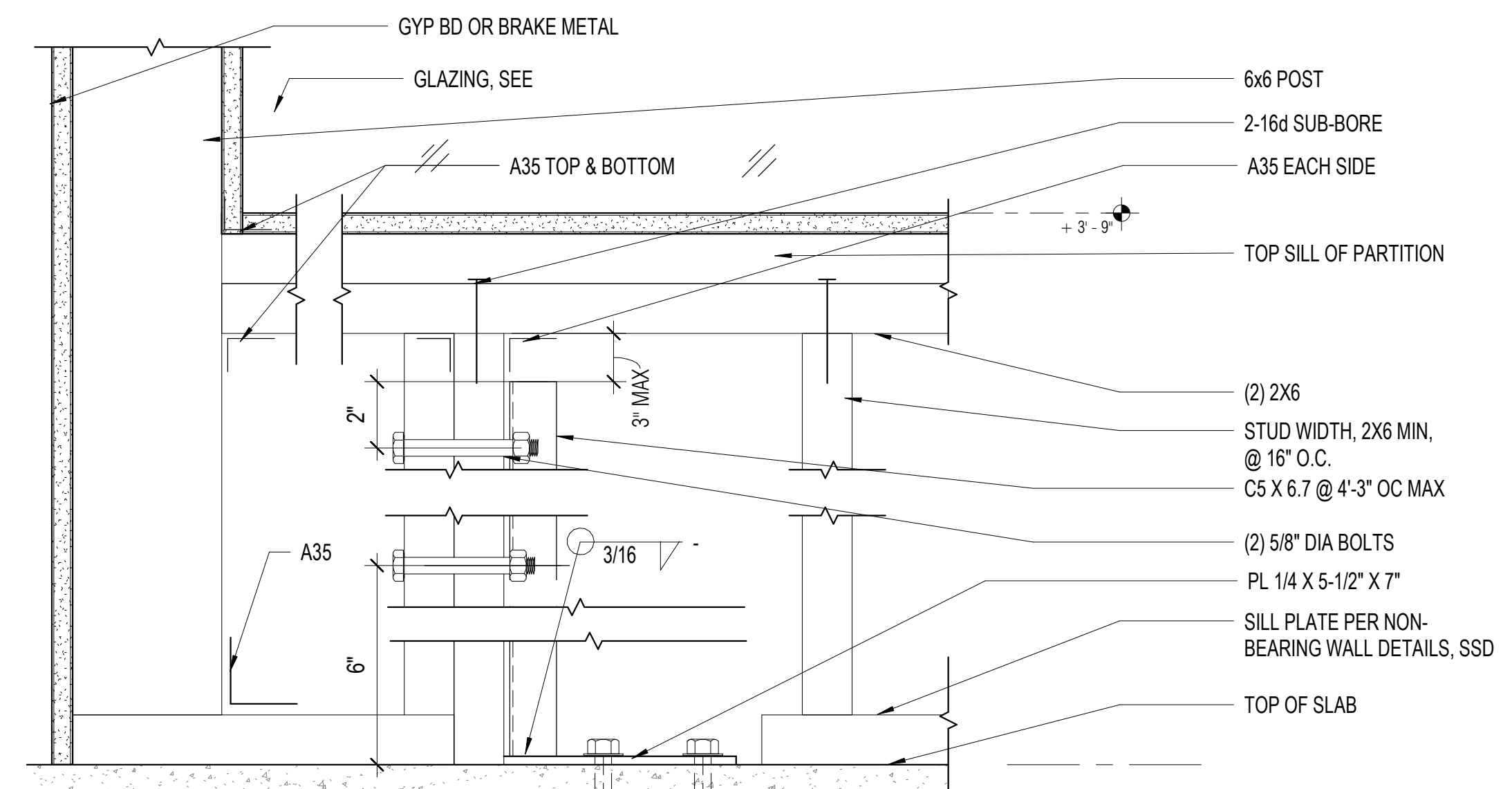
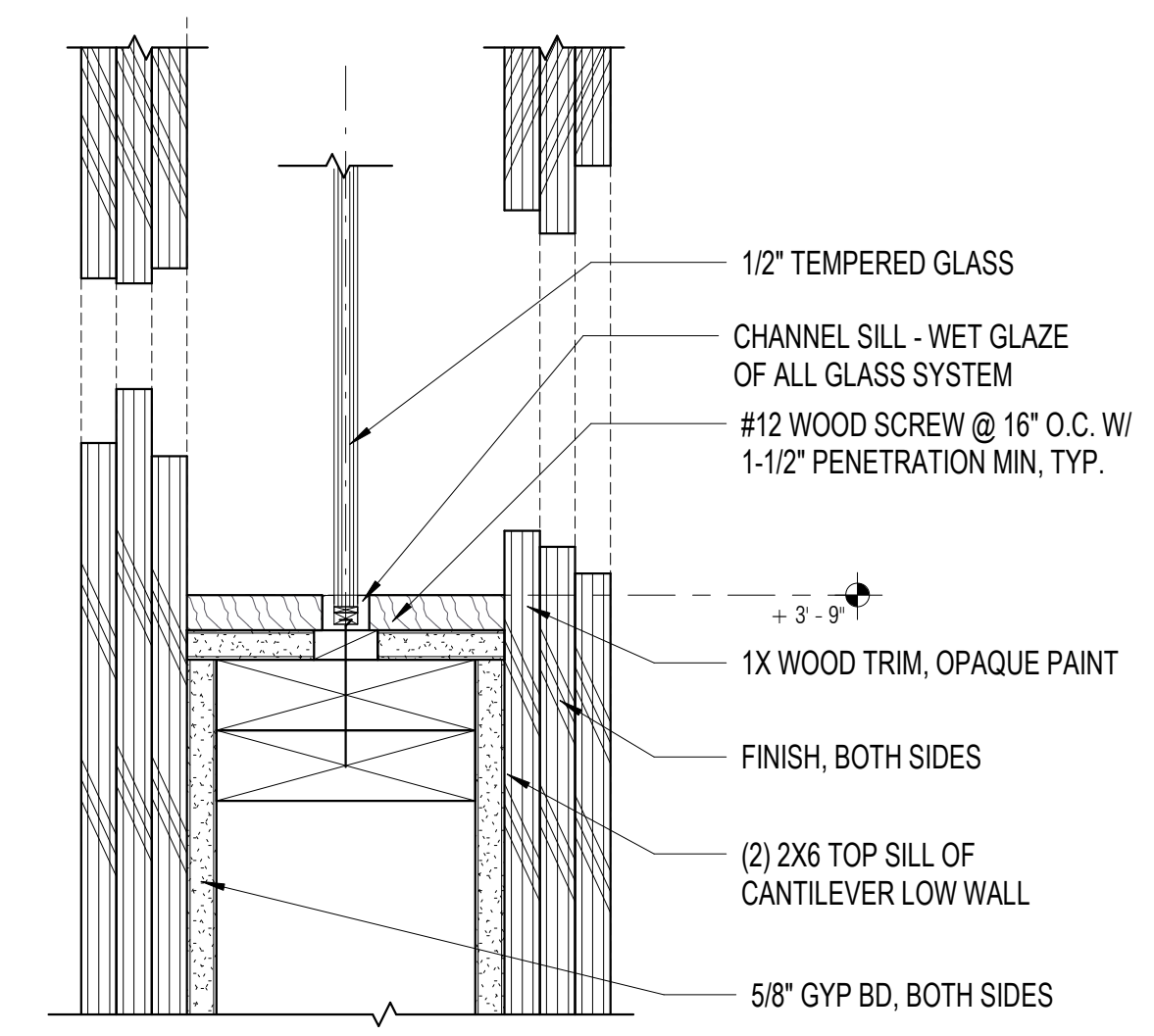
1
A8.61 3" = 1'-0"



8
A8.61 3" = 1'-0"

5
A8.61 3" = 1'-0"

2
A8.61 3" = 1'-0"



9
A8.61 3" = 1'-0"

6
A8.61 3" = 1'-0"

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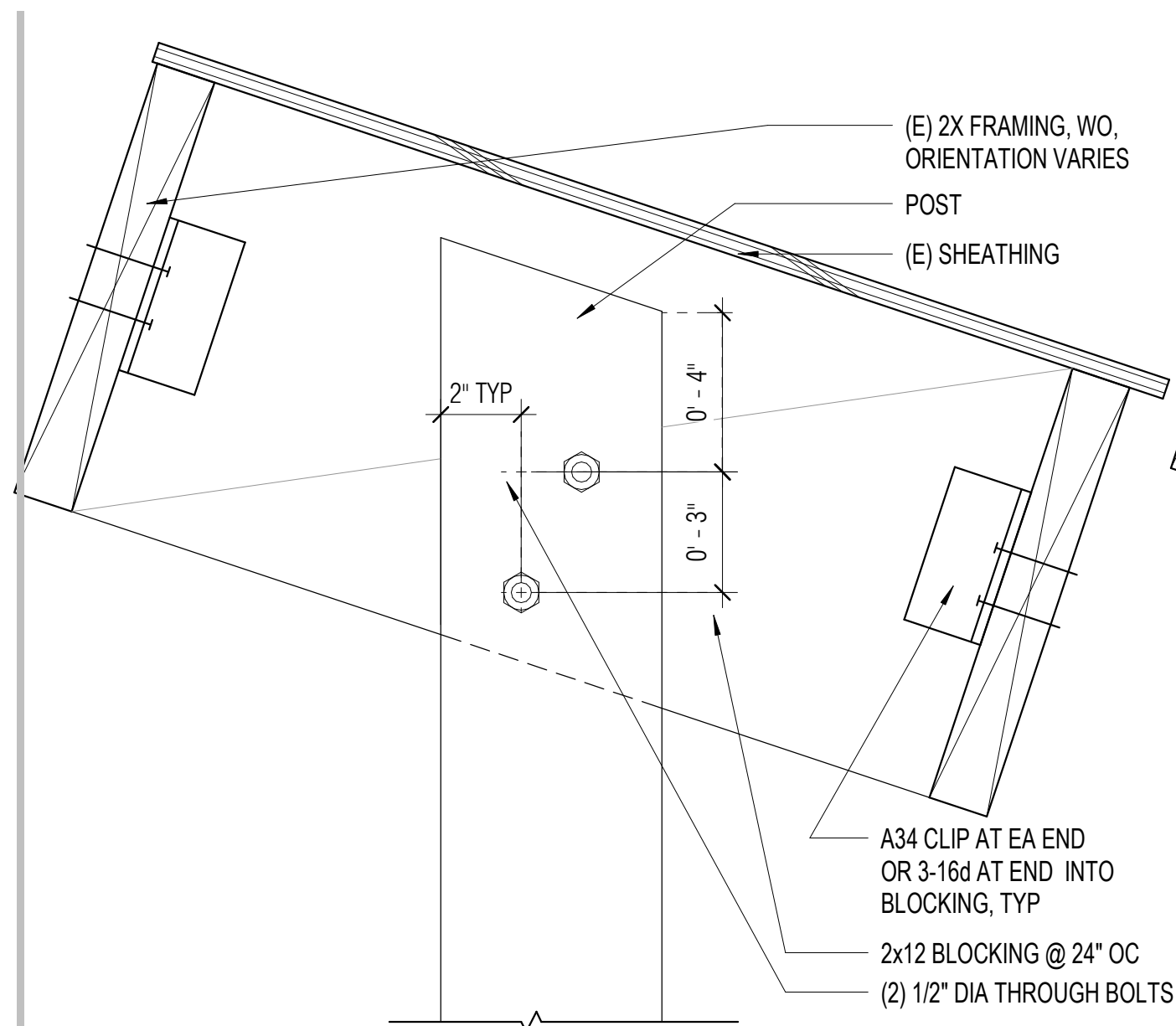
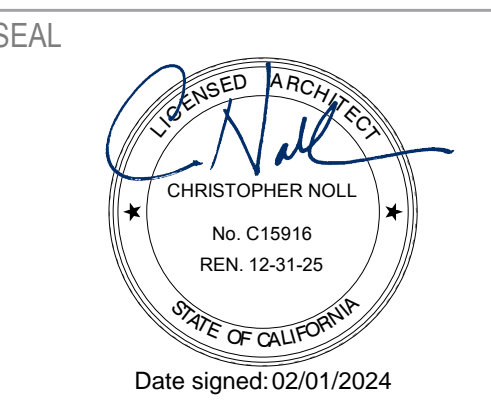
REVISIONS	DATE	DESCRIPTION
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SHEET TITLE

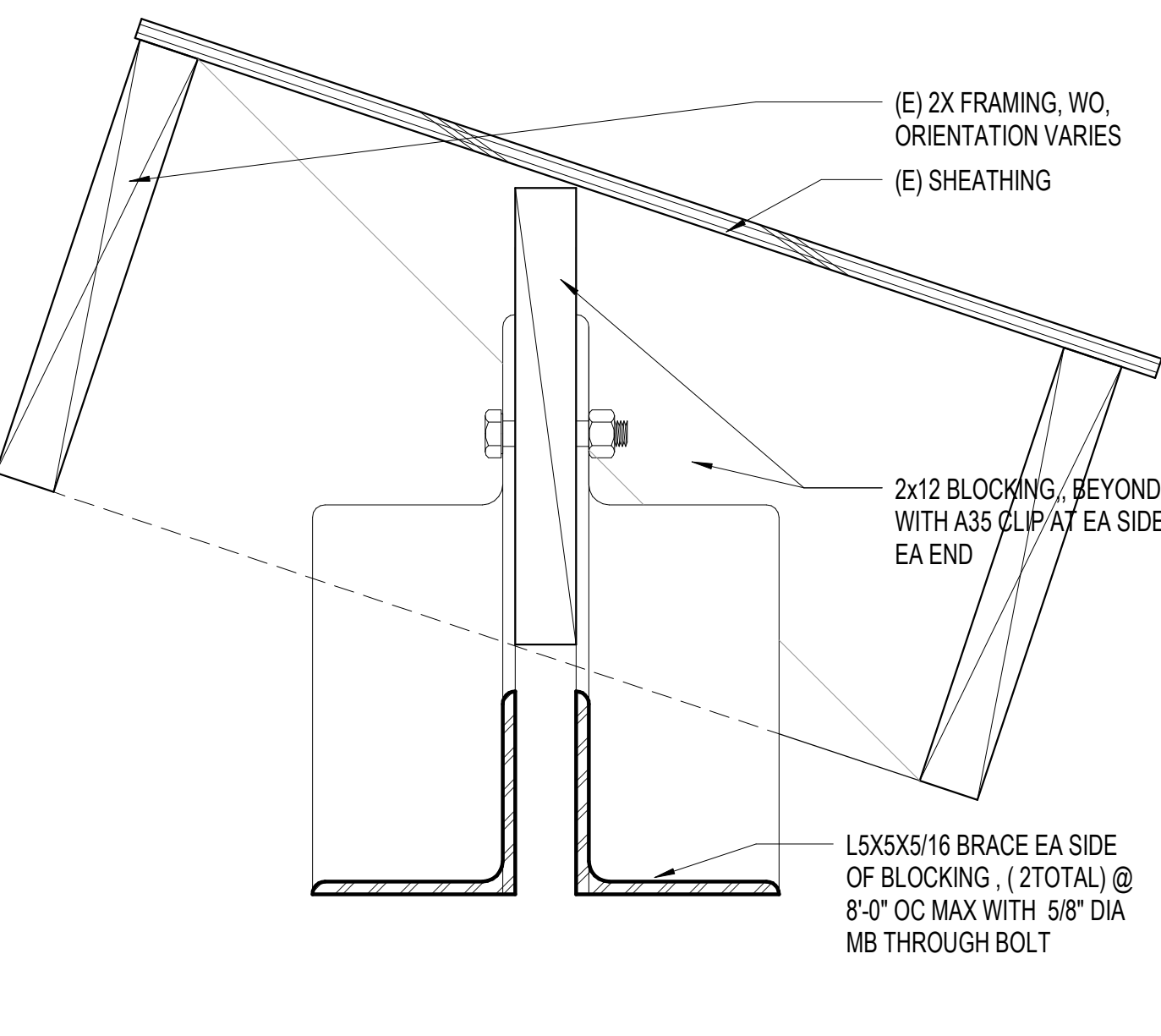
INTERIOR DETAILS -
SPECIALTY &
MISCELLANEOUS

SHEET NUMBER

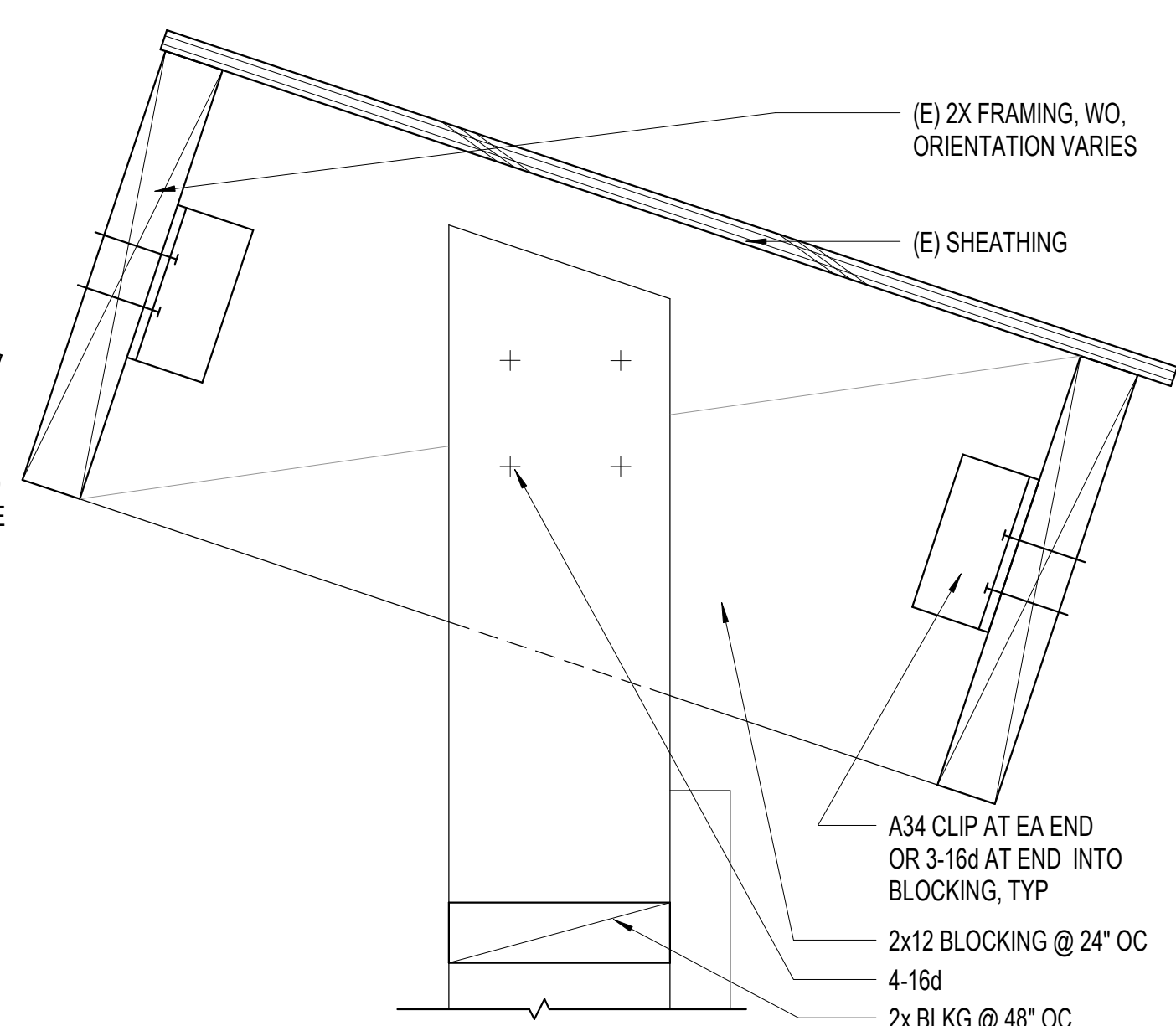
A8.61



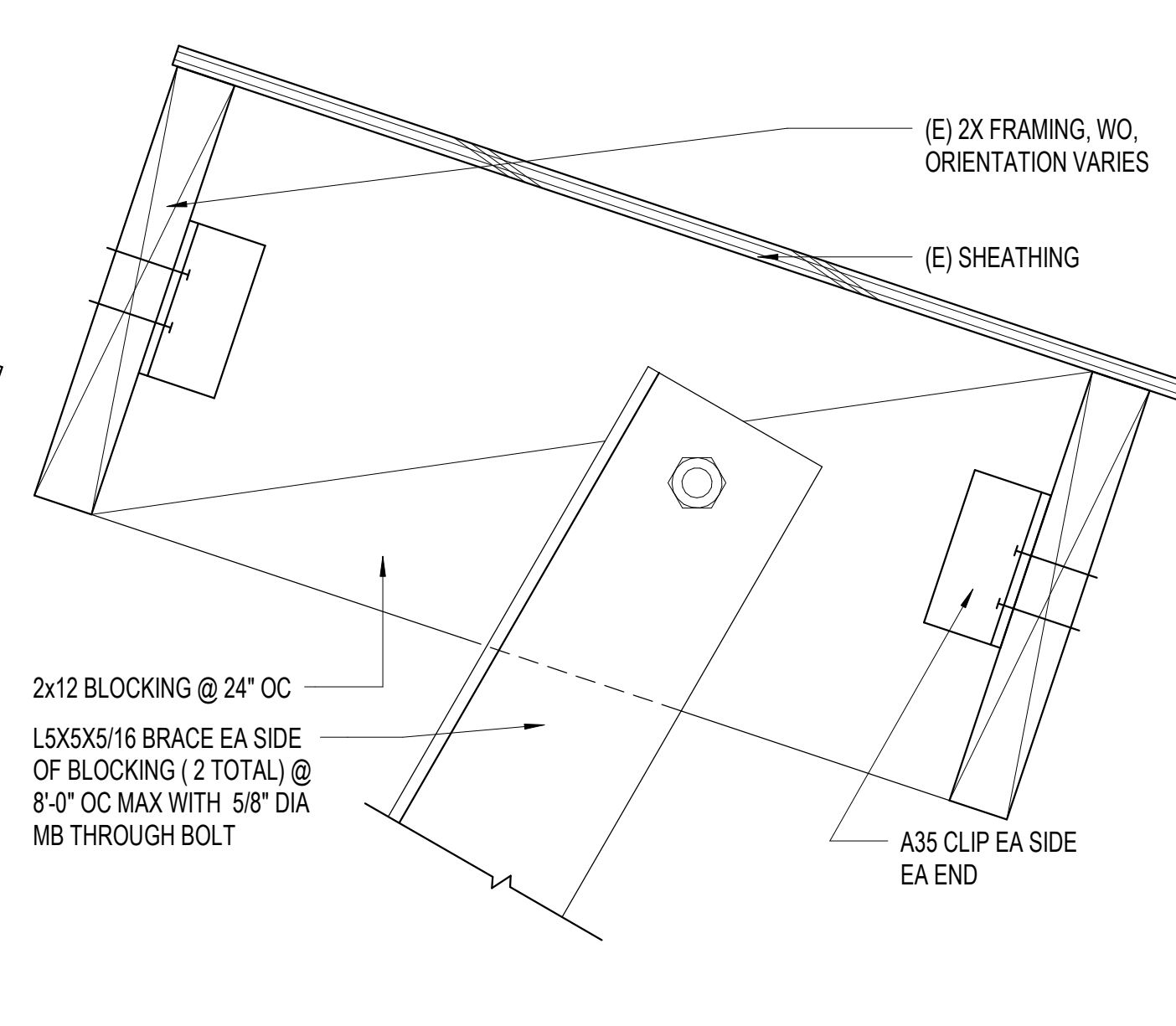
9 POST - ROOF FRAMING
A8.62 3" = 1'-0"



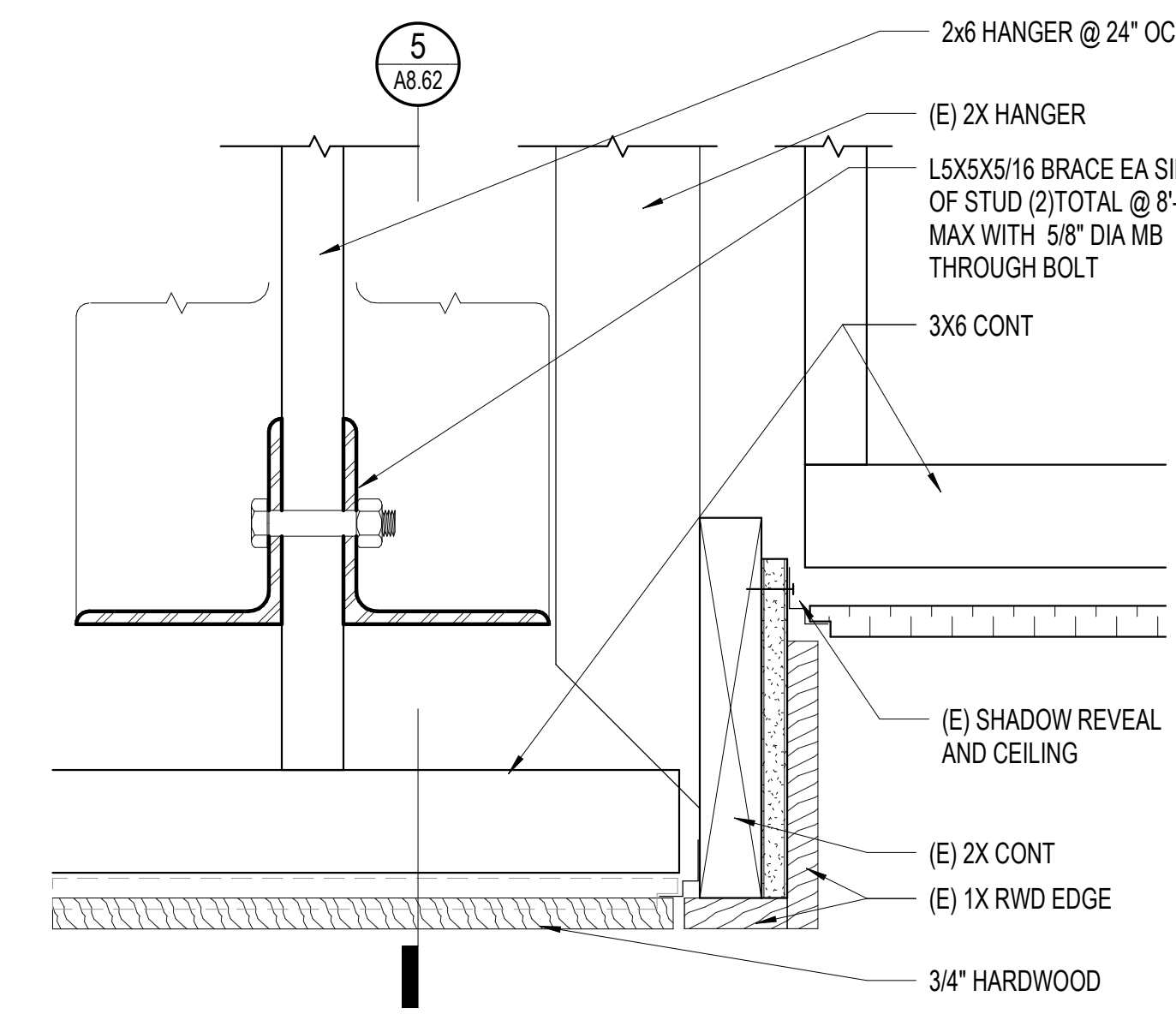
7 BRACE PARALLEL ROOF FRAMING -
A8.62 3" = 1'-0"



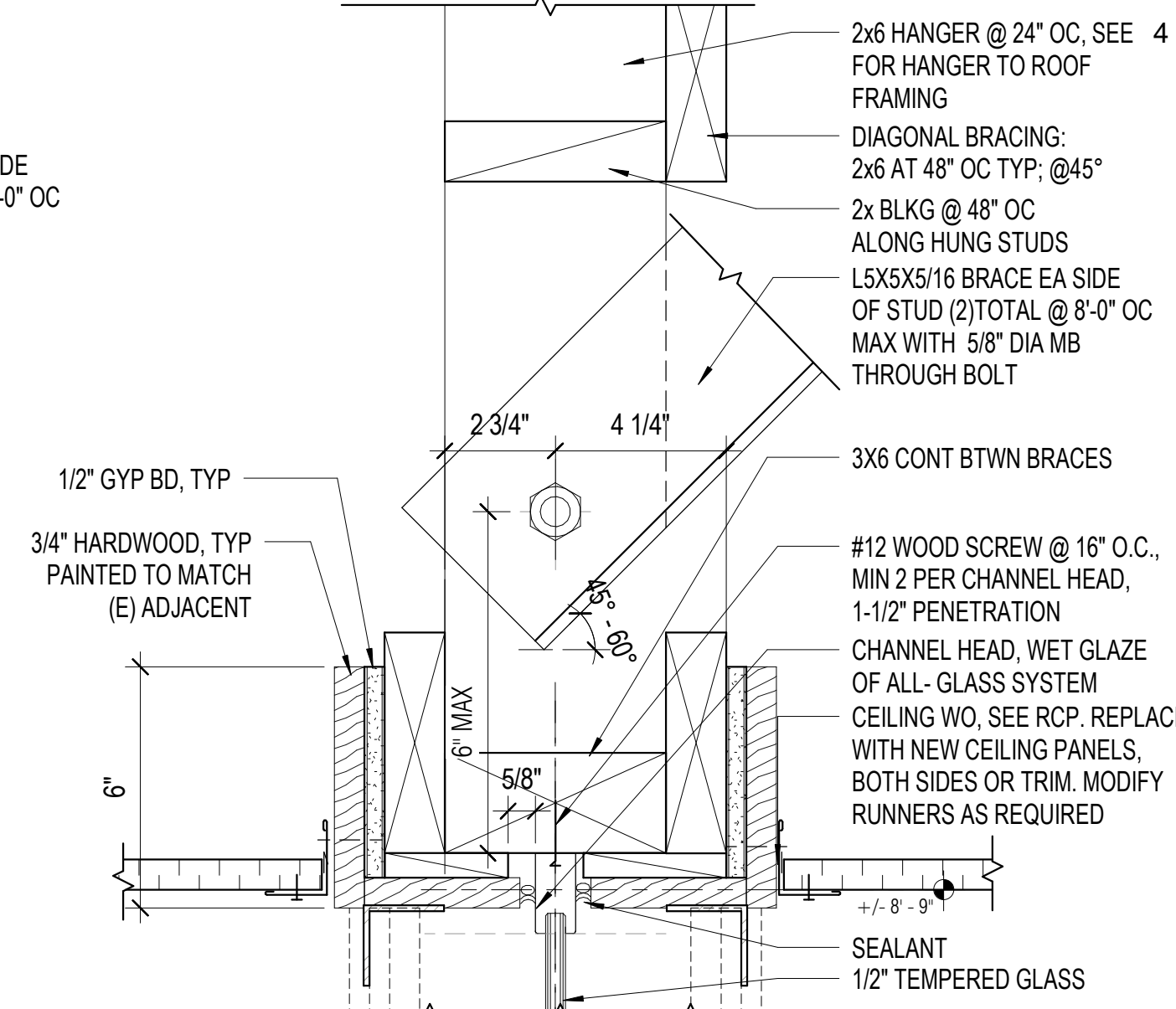
4 HUNG WALL - ROOF FRAMING
A8.62 3" = 1'-0"



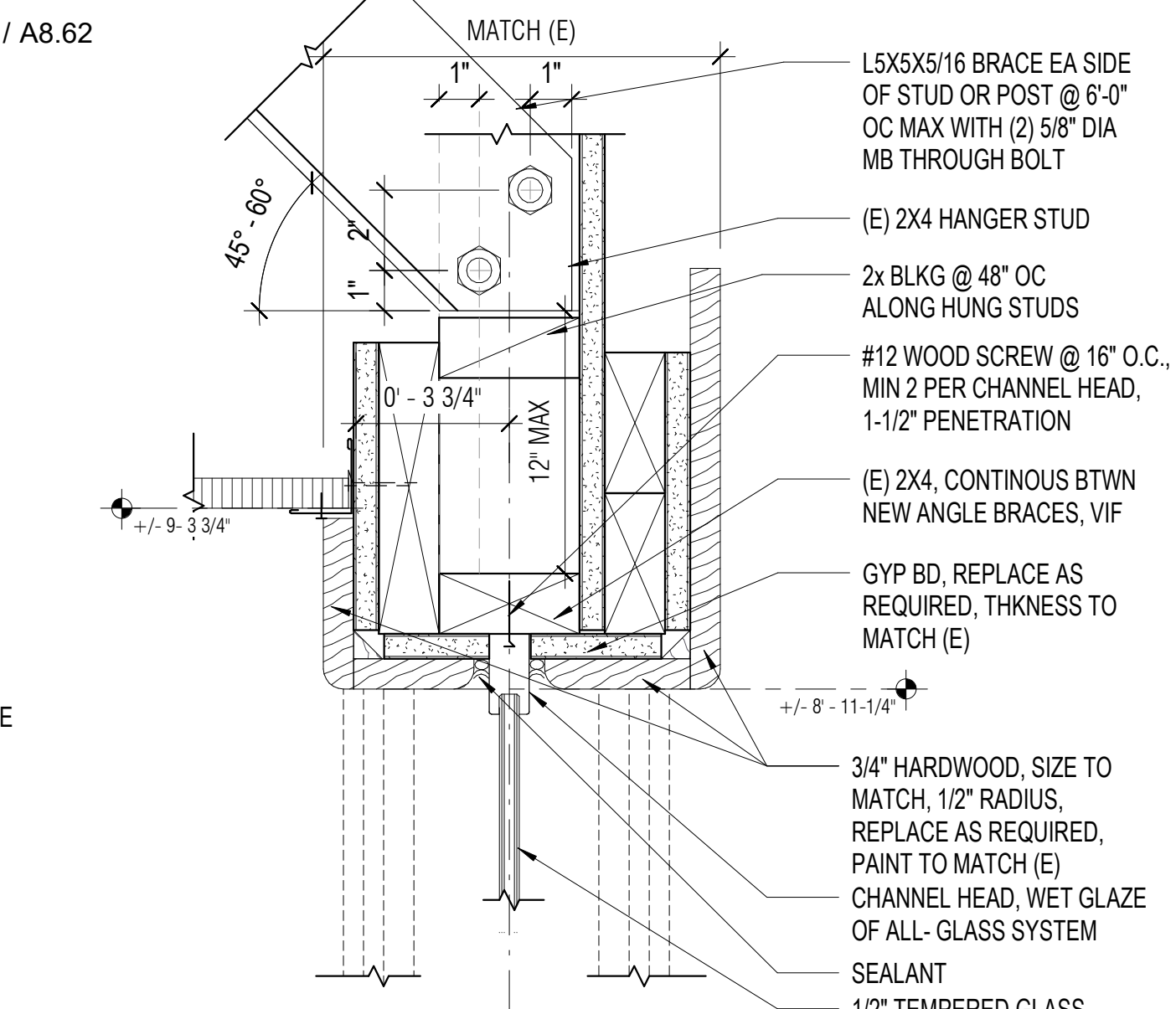
1 BRACE PERPENDICULAR ROOF FRAMING
A8.62 3" = 1'-0"



5 CEILING TRANSITION
A8.62 3" = 1'-0"



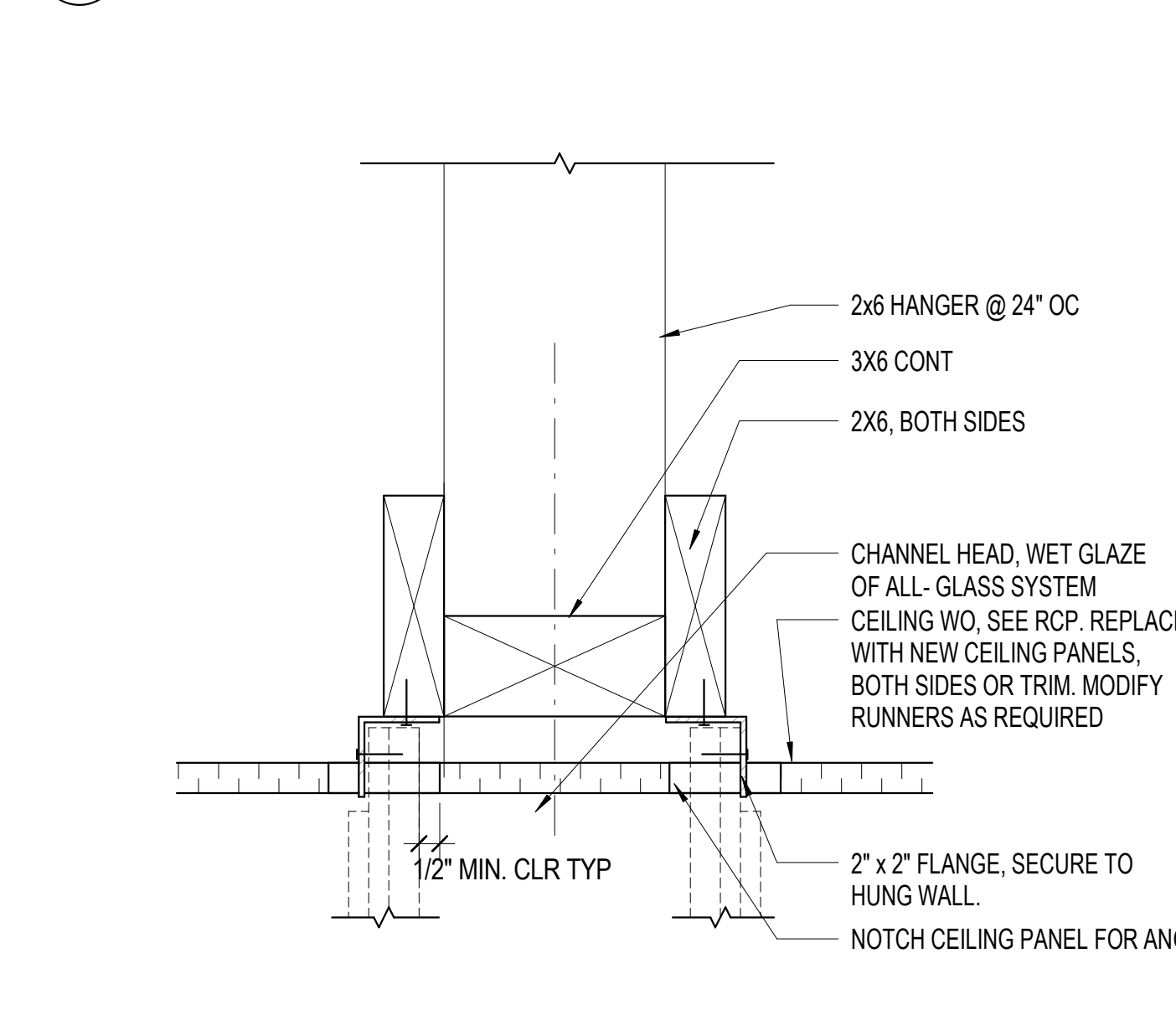
5 HUNG WALL - GLAZING - HEAD - NORTH
A8.62 3" = 1'-0"



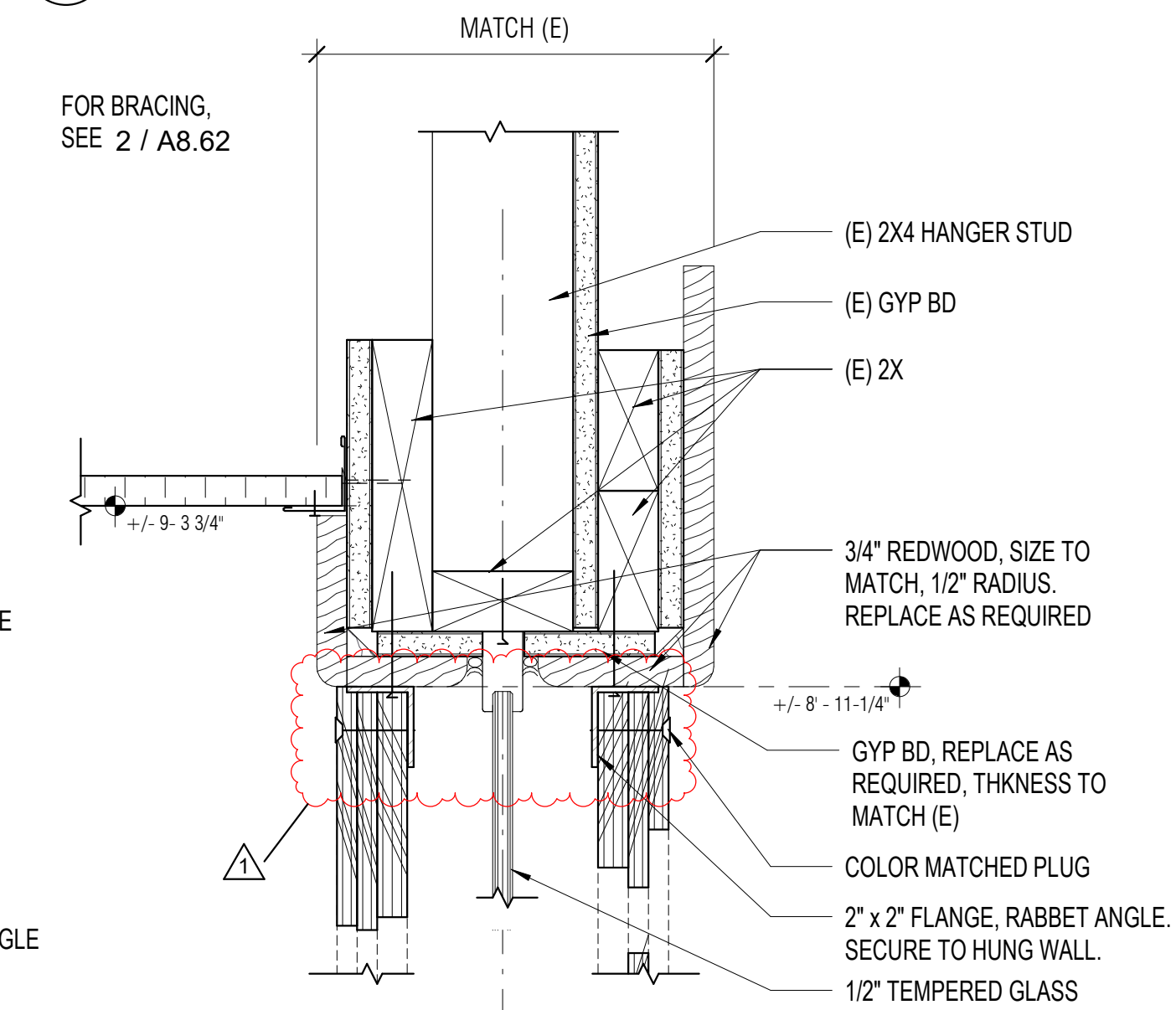
2 HUNG WALL - GLAZING - HEAD - EAST
A8.62 3" = 1'-0"



8 CEILING TRANSITION
A8.62 3" = 1'-0"



6 HUNG WALL - HEAD - NORTH THRU ACT
A8.62 3" = 1'-0"



3 HUNG WALL - GLAZING - DECOR PANEL - EAST
A8.62 3" = 1'-0"

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1	4/30/2024 Permit Set Comments 1

SHEET TITLE

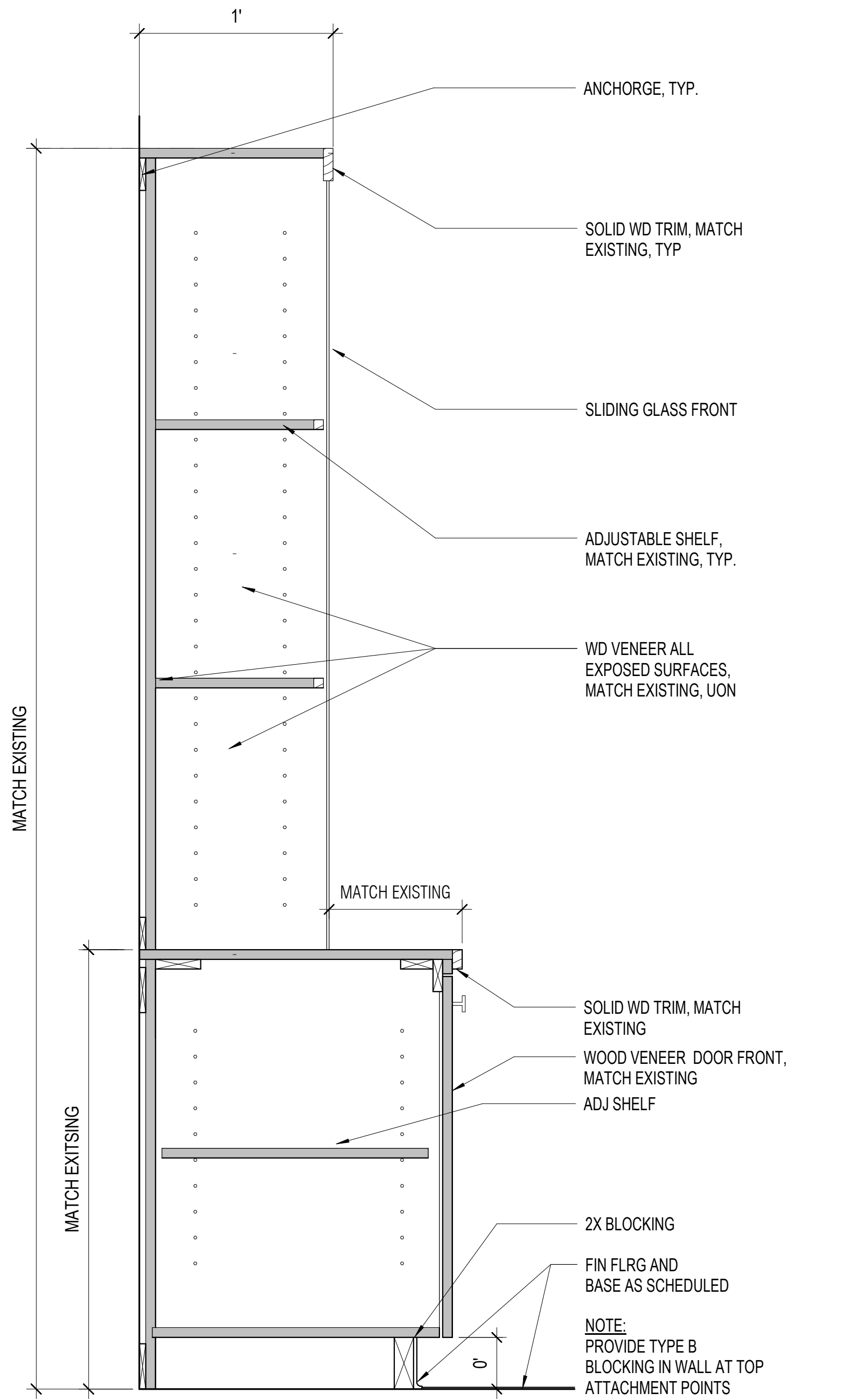
INTERIOR DETAILS -
SPECIALTY &
MISCELLANEOUS

SHEET NUMBER

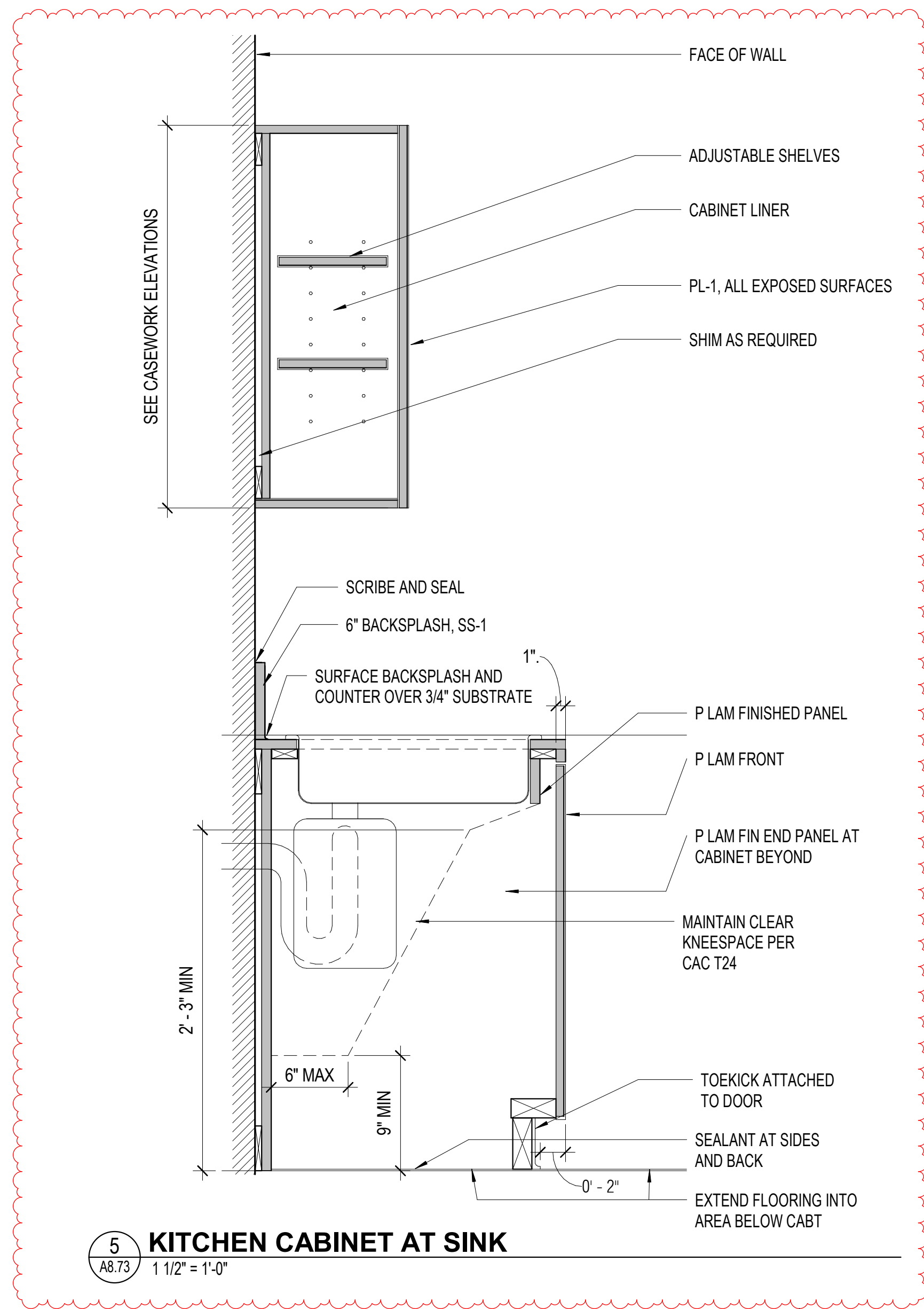
A8.62



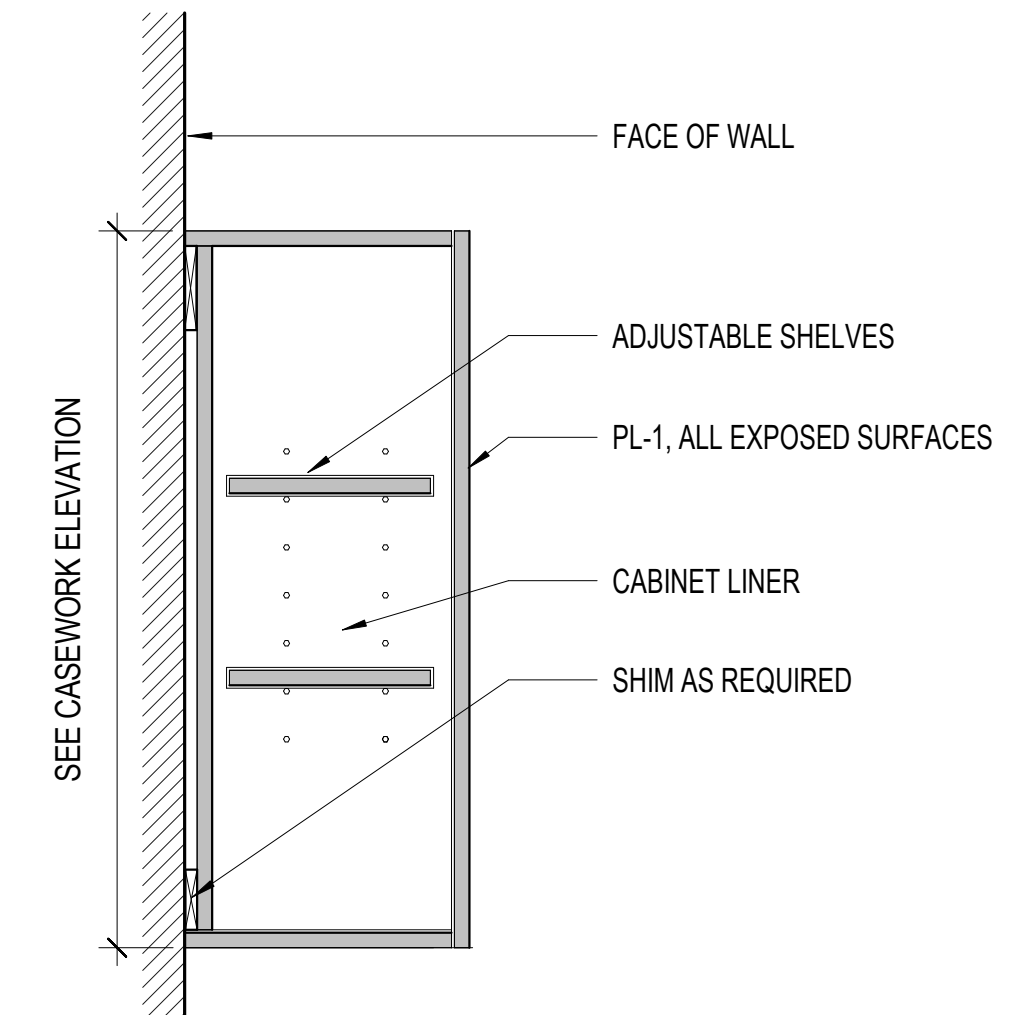
MATCH TO EXISTING CASEWORK IN KIND



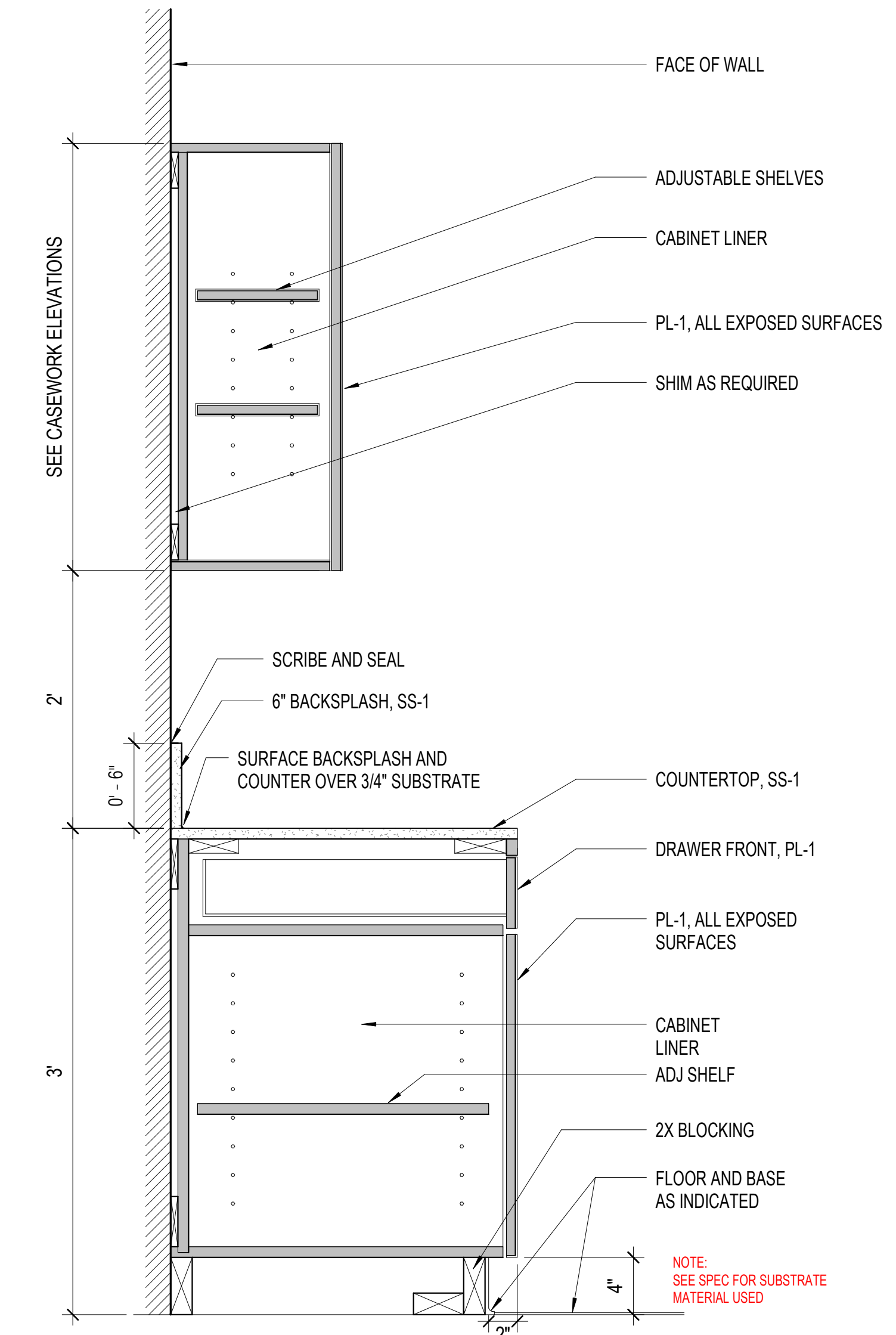
4 WINE LIBRARY SHELVING INFILL
A8.73 1 1/2" = 1'-0"



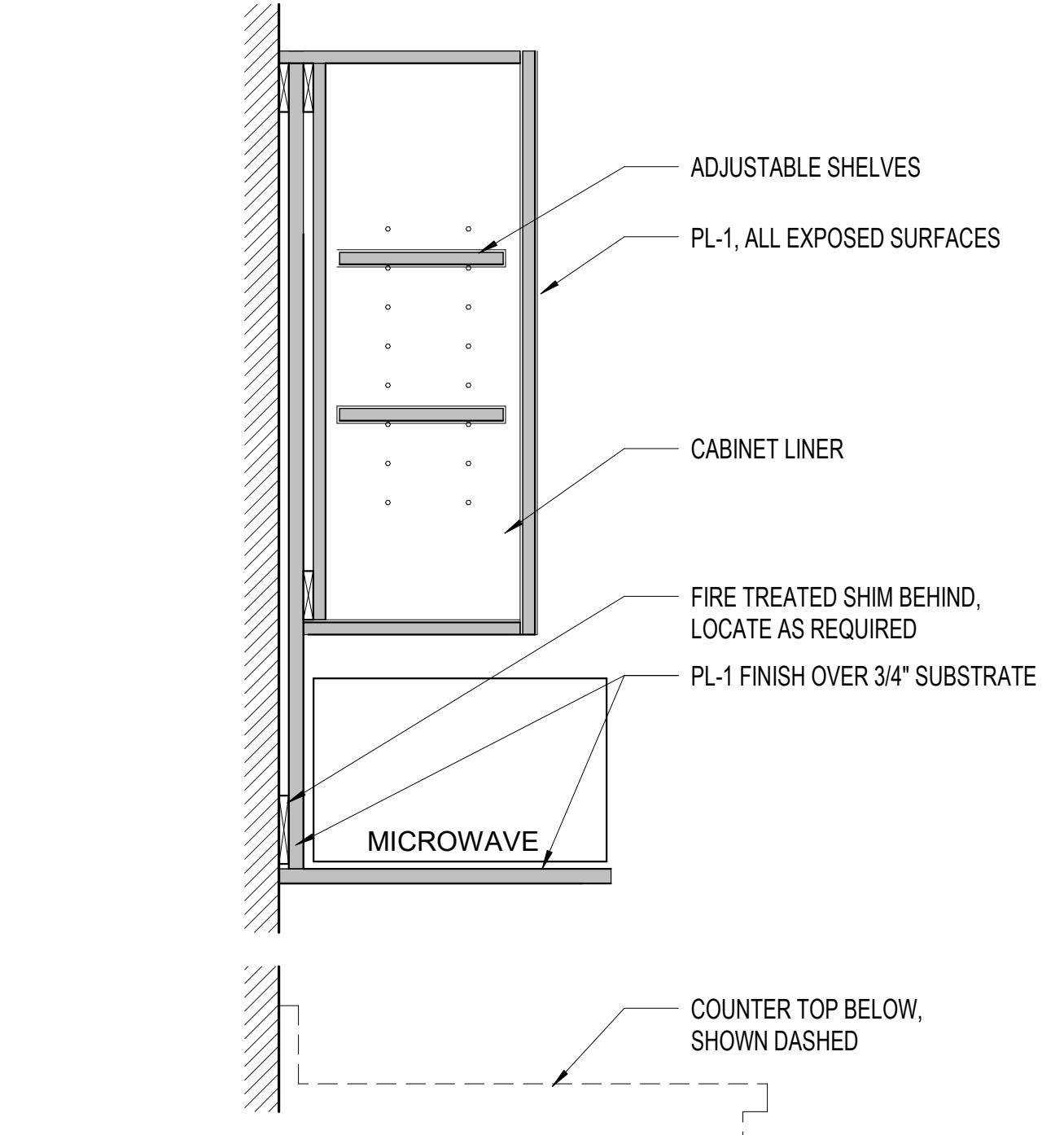
5 KITCHEN CABINET AT SINK
A8.73 1 1/2" = 1'-0"



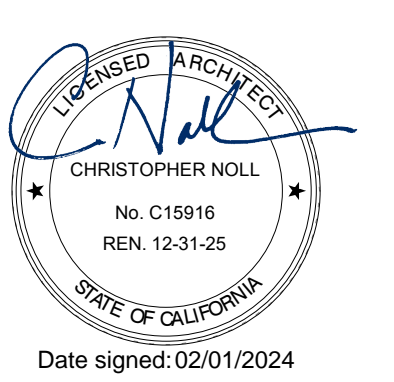
3 UPPER WALL CABINET
A8.73 1 1/2" = 1'-0"



1 KITCHEN CABINET
A8.73 1 1/2" = 1'-0"



2 WALL CABINET AT MICROWAVE
A8.73 1 1/2" = 1'-0"



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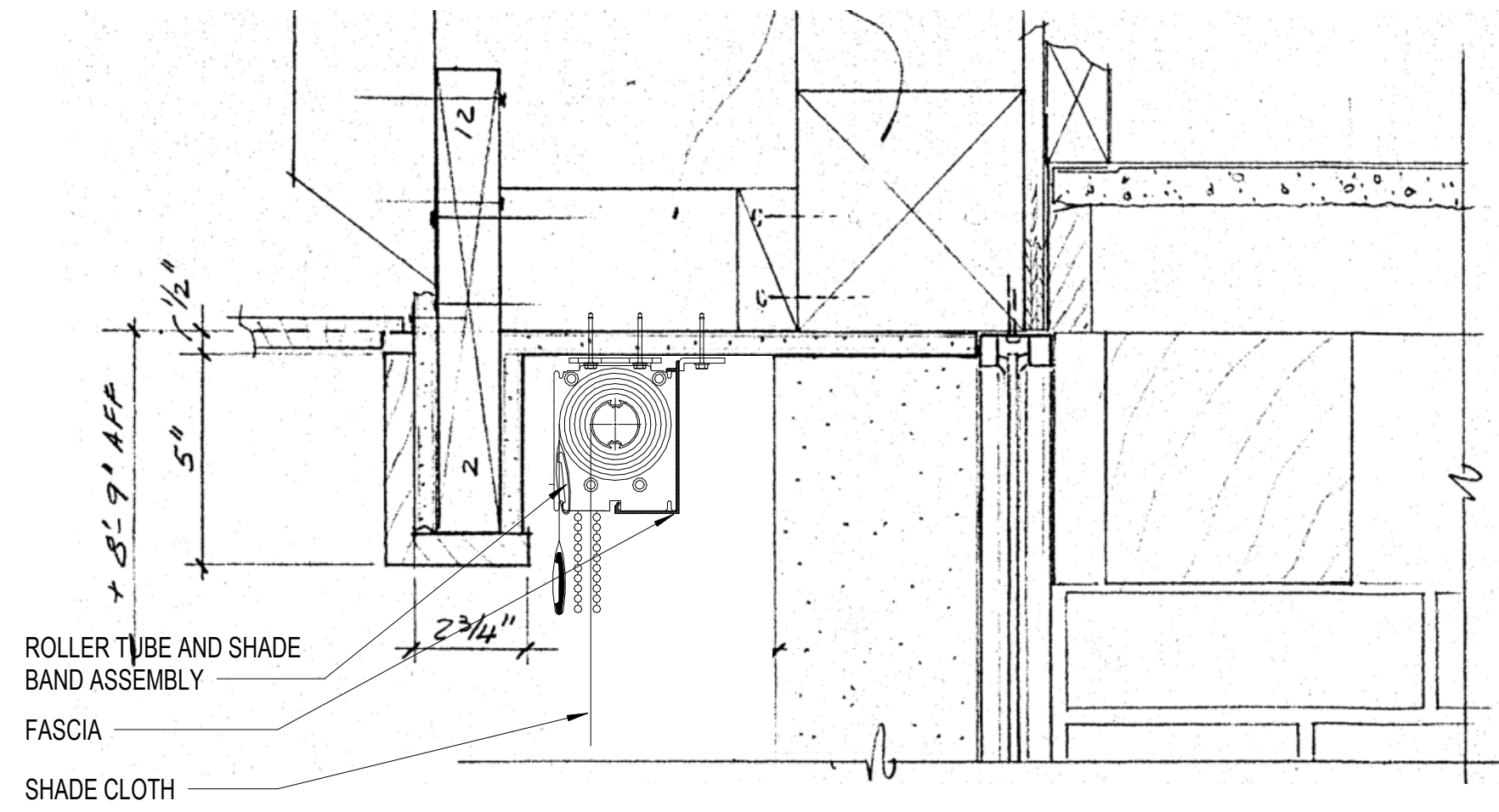
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SHEET TITLE
CASEWORK DETAILS

SHEET NUMBER

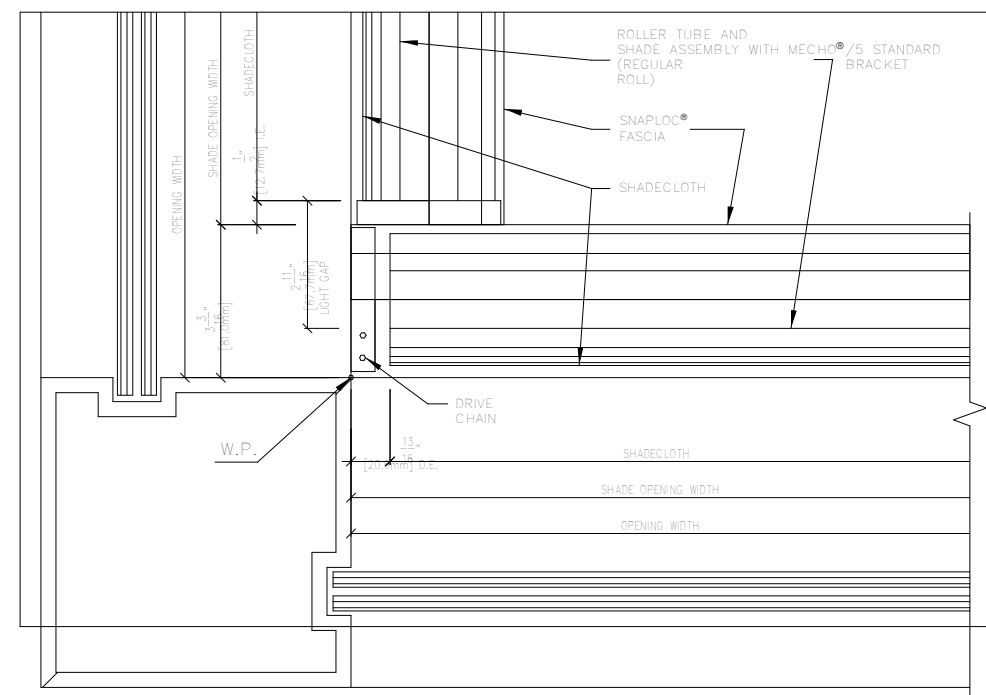
A8.73

NOTE: MOUNT ROLLER SHADES TO CEILING AT EXISTING CURTAIN POCKET LOCATIONS



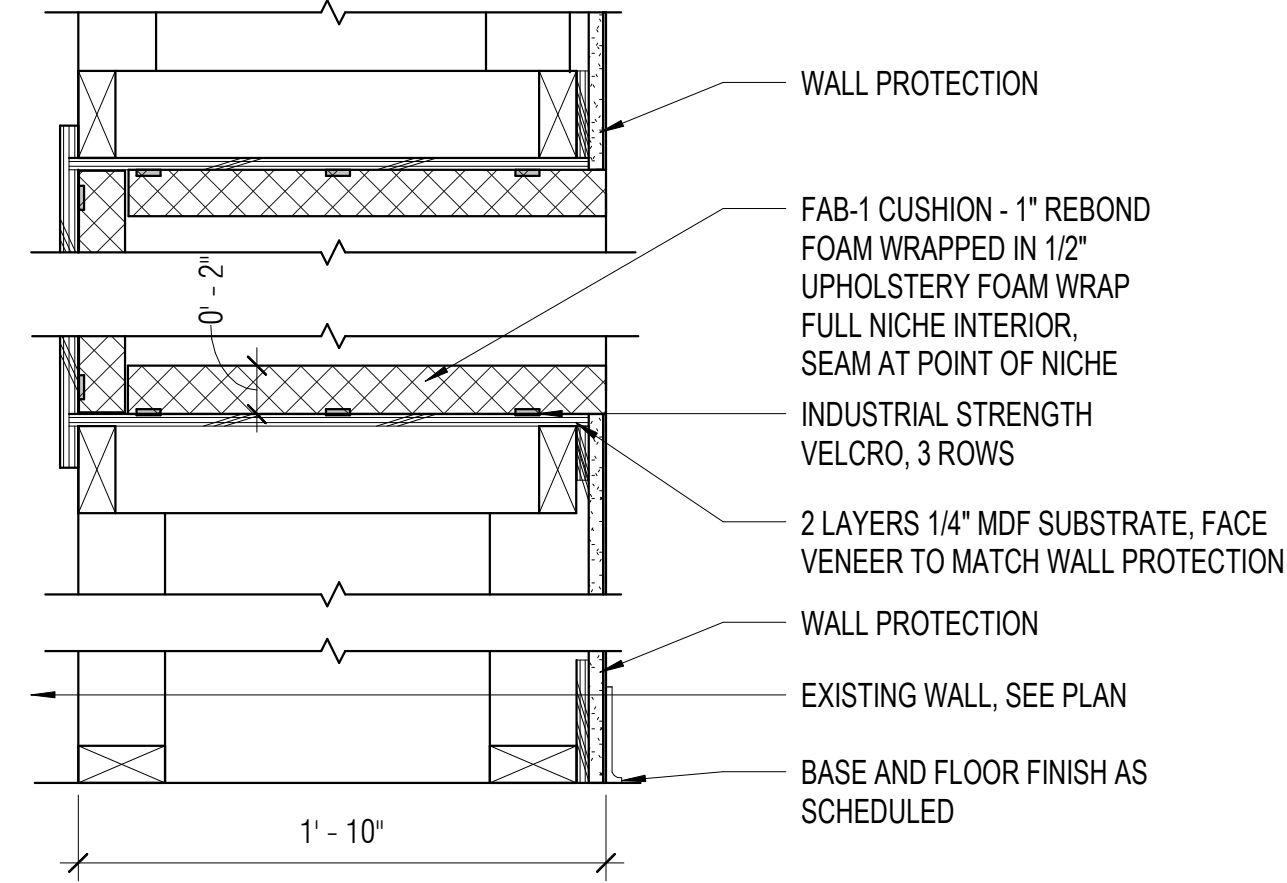
SECTION - ROLLER SHADES AT EXISTING CORNER WINDOWS

5
A8.74 3" = 1'-0"



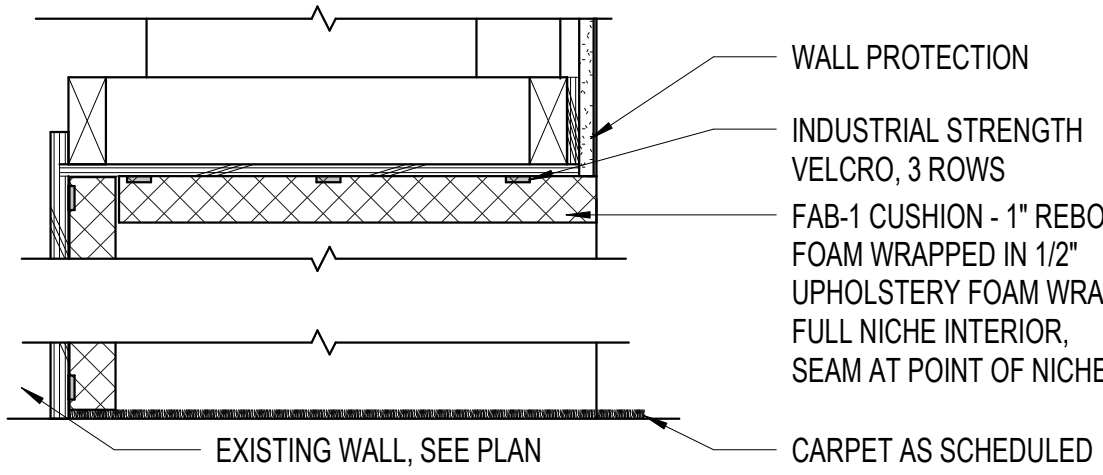
RCP - ROLLER SHADES AT EXISTING CORNER WINDOWS

6
A8.74 3" = 1'-0"



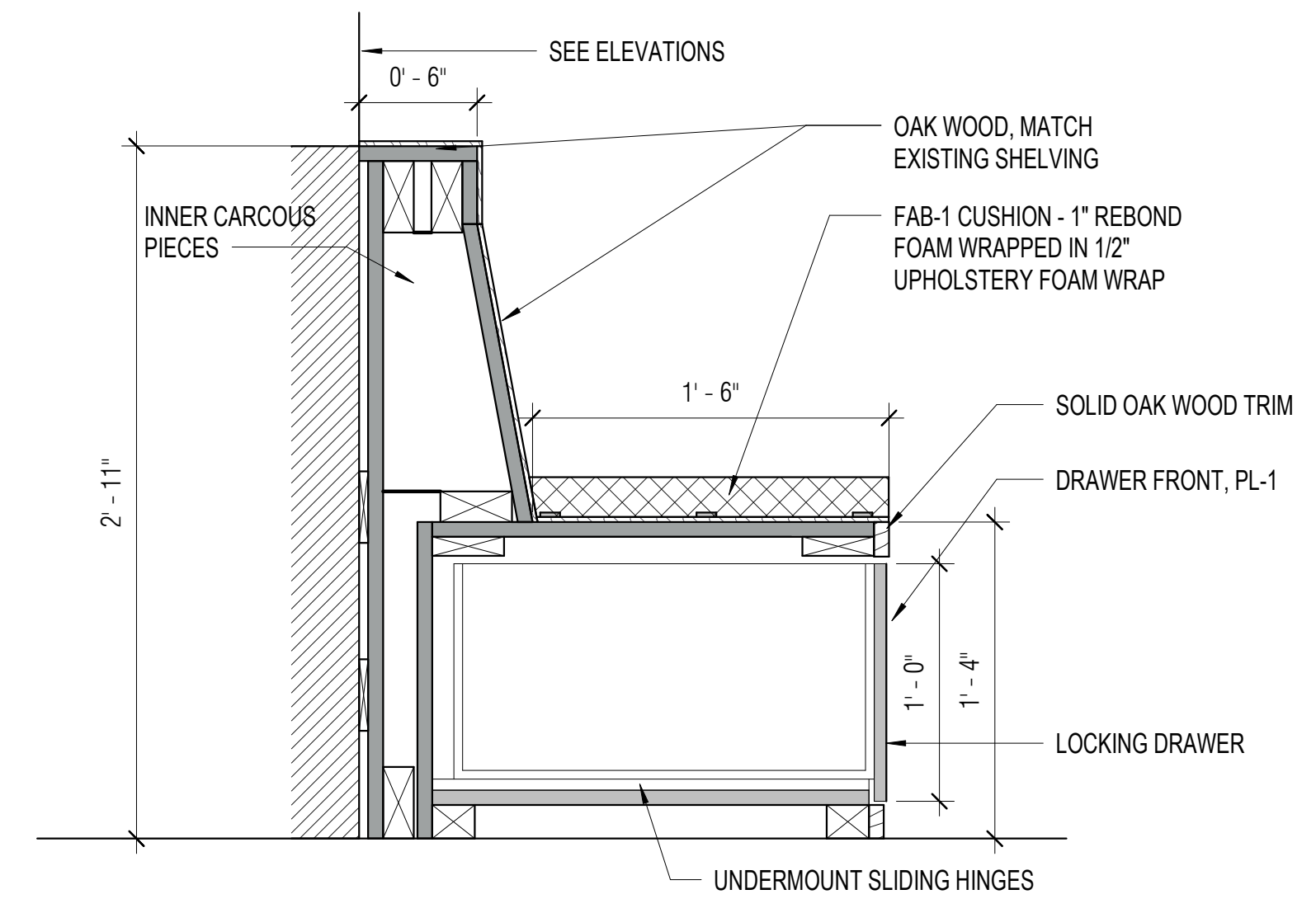
READING NOOK

3
A8.74 1 1/2" = 1'-0"



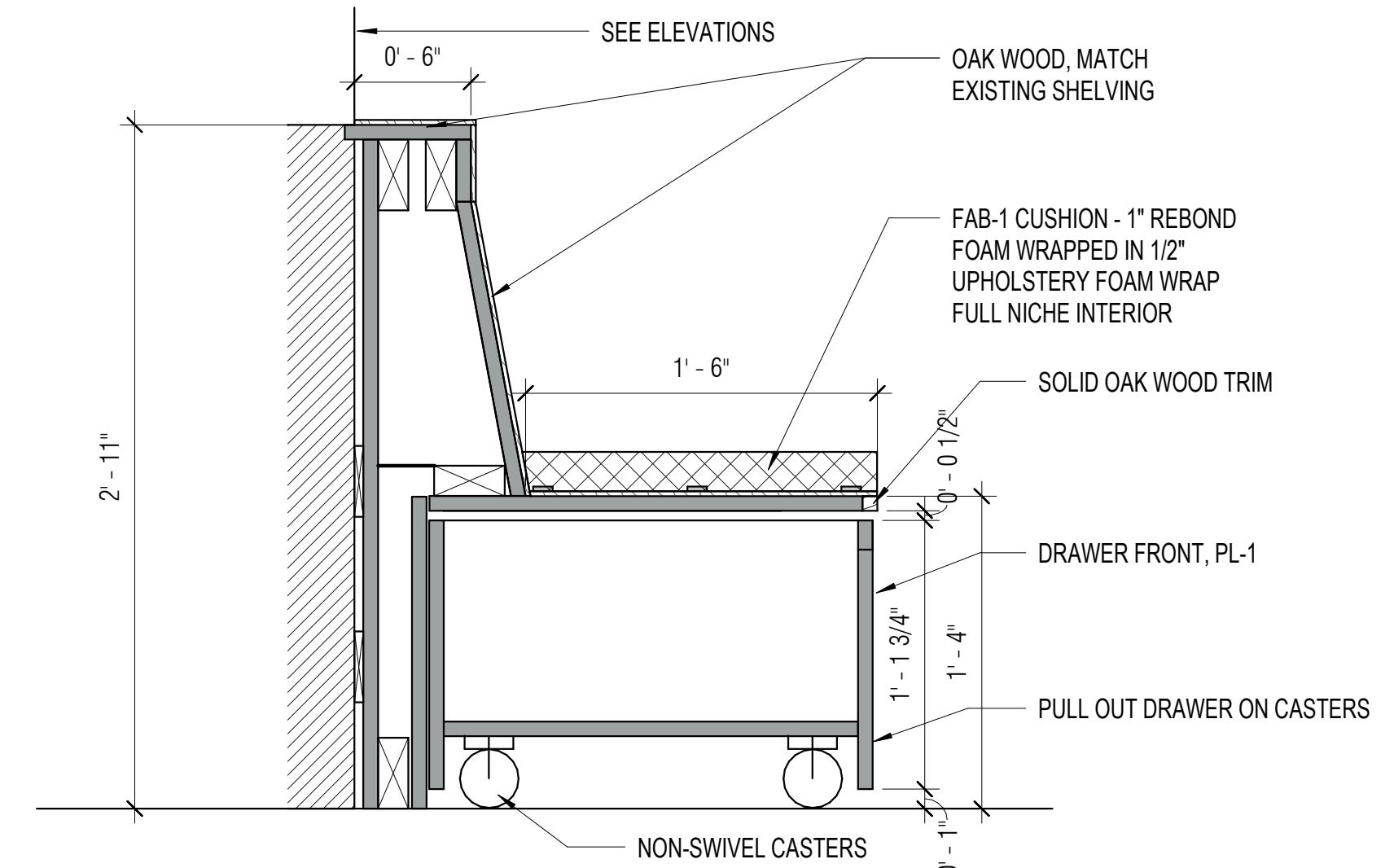
READING NOOK AT FLOOR

4
A8.74 1 1/2" = 1'-0"



CHILDREN'S BENCH - LOCKING DRAWERS

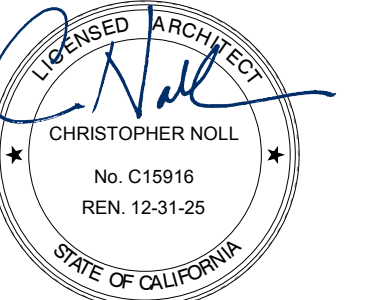
1
A8.74 1 1/2" = 1'-0"



CHILDREN'S BENCH - PULL OUT BINS

2
A8.74 1 1/2" = 1'-0"

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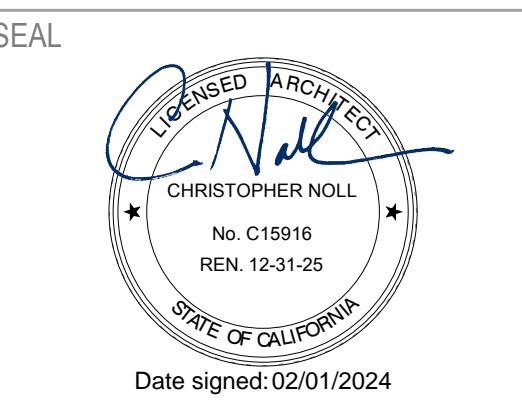
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CASEWORK & MISCELLANEOUS DETAILS

SHEET NUMBER

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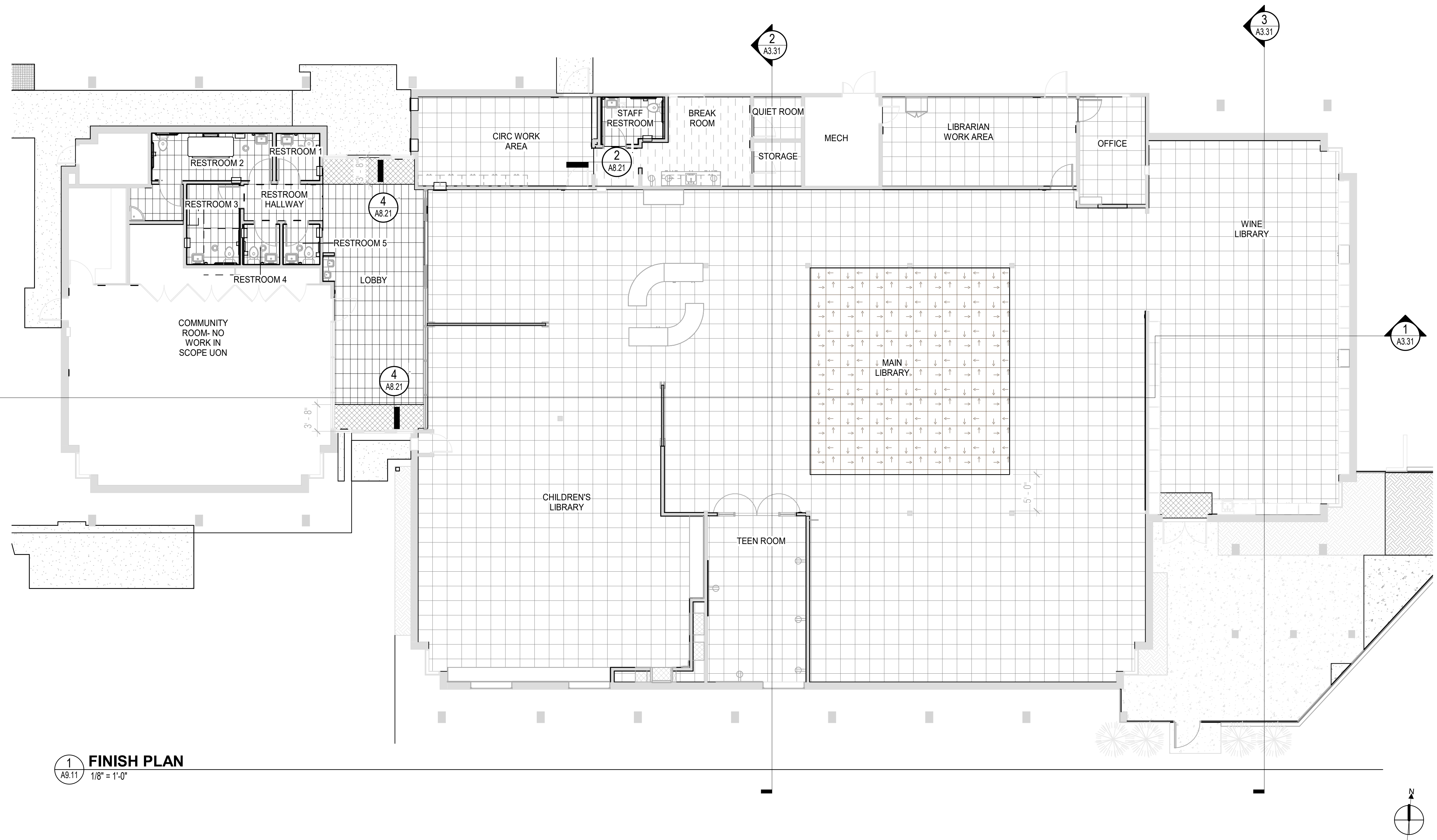
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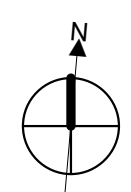
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1
A9.11
FINISH PLAN
1/8" = 1'-0"



GENERAL NOTES

- REFER TO INTERIOR FINISH SCHEDULE/A9.15 FOR FLOOR, WALL AND CEILING FINISHES.
- PATCH AND REPAIR ALL FLOORING SUBSTRATES, WALLS, AND CEILINGS AS REQUIRED TO PROVIDE SMOOTH SURFACES FOR NEW FINISHES.
- ALL EXISTING INTERIOR WALLS HAVE VINYL WALLCOVERING. PAINT OVER EXISTING VINYL WALLCOVERING WHERE PT-1 INDICATED ON ROOM FINISH SCHEDULE.
- ALL EXISTING DOORS TO BE PAINTED WITH PT-1

FINISH PLAN LEGEND

- MAIN CARPET (CPT-1)
- ACCENT CARPET (CPT-2)
- PORCELAIN FLOOR TILE (PFT)
- RESILIENT FLOORING (RES)
- WALKOFF CARPET (CPT-3)

ROOM FINISH SCHEDULE				
Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish
CIRC WORK AREA	CPT-1	4" RB	PT-1	
MAIN LIBRARY	CPT-1, CPT-2	4" RB	PT-1	ACT
COMMUNITY ROOM- NO WORK IN SCOPE UON	(E) TO REMAIN	(E)	(E)	
MECH - NO WORK IN SCOPE UON	(E) TO REMAIN	(E)	(E)	
KITCHENETTE - NO WORK IN SCOPE UON	(E) TO REMAIN	(E)	(E)	ACT
STORAGE	(E) TO REMAIN	(E)	(E)	
JAN	PFT	CT-3	FRP (FULL HT)	GYP
CHILDREN'S LIBRARY	CPT-1	4" RB	PT-1, WP	ACT
TEEN ROOM	CPT-1	4" RB	PT-1, TFP	ACT

ROOM FINISH SCHEDULE				
Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish
BREAK ROOM	RES	4" RB	PT-1	ACT
STAFF RESTROOM	PFT	TILE	CT-1, CT-2, CT-3	
QUIET ROOM	CPT-1	4" RB	PT-1	
STORAGE	CPT-1	4" RB	PT-1	
MECH	(E) TO REMAIN	(E)	(E)	
LIBRARIAN WORK AREA	CPT-1	4" RB	PT-1	
OFFICE	CPT-1	4" RB	PT-1	
WINE LIBRARY	CPT-1, CPT-3	4" RB	PT-1	
RESTROOM 2	PFT	CT-3	CT-1, CT-2, CT-3	GYP - PT-1

ROOM FINISH SCHEDULE				
Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish
RESTROOM 1	PFT	CT-3	CT-1, CT-2, CT-3	GYP - PT-1
RESTROOM 5	PFT	CT-3	CT-1, CT-2, CT-3	GYP - PT-1
RESTROOM 4	PFT	CT-3	CT-1, CT-2, CT-3	GYP - PT-1
RESTROOM 3	PFT	CT-3	CT-1, CT-2, CT-3	GYP - PT-1
RESTROOM HALLWAY	PFT	CT-3	PT-1	GYP - PT-1
LOBBY	PFT, CPT-3	CT-3	PT-1, CT-3	
EXTERIOR PATIO	(E) TO REMAIN	NA	NA	

SHEET TITLE

FINISH PLAN- 1ST FLOOR

SHEET NUMBER

A9.11

SECTION 06 83 00 - GLASS FIBER REINFORCED PLASTIC

FIBERGLASS REINFORCED PANELING:

FRP	MANUFACTURER:	MARLITE OR SIM
	PRODUCT:	STANDARD FRP
	COLOR:	100 WHITE
	FINISH:	PEBBLED
	SIZE:	4' X 8'
	THICKNESS:	3/32"

SECTION 09 30 13 - CERAMIC/PORCELAIN TILING

CERAMIC WALL TILE:

CT-1:	MANUFACTURER:	CROSSVILLE
	STYLE:	HANDWRITTEN
	COLOR:	UNSCRIPTED
	SIZE:	3" X 12"
CT-2:	MANUFACTURER:	CROSSVILLE
	STYLE:	HANDWRITTEN
	COLOR:	PEN PAL
	SIZE:	3" X 12"
CT-3:	MANUFACTURER:	CROSSVILLE
	STYLE:	HANDWRITTEN
	COLOR:	DEAR SIR
	SIZE:	3" X 12"

PORCELAIN FLOOR TILE:

PFT-1:	MANUFACTURER:	DALTILE
	STYLE:	WANDERWISE
	COLOR:	DRIFT
	FINISH:	MATTE
	SIZE:	12" X 24"

SECTION 09 51 00 - ACOUSTICAL CEILINGS

ACOUSTICAL TILE CEILINGS:

ACT-1	MANUFACTURER:	(BASIS OF DESIGN) ARMSTRONG OR SIM
	PRODUCT:	OPTIMA PB
	ITEM NUMBER:	3261PB
	TILE EDGE:	SQUARE TEGULAR 9/16
	GRID STYLE:	TEGULAR 9/16" SUPRAFINE XL BY ARMSTRONG
	SIZE:	24" X 24"
	THICKNESS:	1"
	COLOR:	WHITE
	SUSPENSION SYSTEM:	ARMSTRONG TEGULAR

SECTION 09 65 00- RESILIENT FLOORING & BASE

RESILIENT FLOORING:

RES	MANUFACTURER:	FORBO
	PRODUCT:	MARMOLEUM COCOA
	COLOR:	CHOCOLATE BLUES
	SIZE:	<108" X 79"
	THICKNESS:	0.1"

RUBBER WALL BASE:

RB	MANUFACTURER:	ROPPE OR SIM
	PRODUCT:	PINNACLE RUBBER WALL BASE
	COLOR:	193 BLACK BROWN
	FINISH:	SATIN
	HEIGHT:	6"
	PROFILE:	STANDARD TOE

SECTION 09 68 00 - CARPETING

MAIN CARPET:

CPT-1:	MANUFACTURER:	TARKETT
	STYLE:	GABARDINE
	COLOR:	PRAIRIE WIND
	SIZE:	24" x 24"
	INSTALL:	VERTICAL ASHLAR

ACCENT CARPET:

CPT-2:	MANUFACTURER:	TARKETT
	STYLE:	SWEATER KNIT
	COLOR:	PRAIRIE WIND
	SIZE:	24" x 24"
	INSTALL:	VERTICAL ASHLAR

WALKOFF CARPET:

CPT-3:	MANUFACTURER:	TARKETT
	STYLE:	ABRASIVE ACTION II
	COLOR:	WINTER GRAY
	SIZE:	24" x 24"
	INSTALL:	MONOLITHIC

SECTION 09 90 00 - PAINTING AND COATING

TYPICAL INTERIOR PAINT FINISHES:

CEILINGS & SOFFITS: EGG SHELL
 WALLS: EGG SHELL
 CORRIDOR WALLS: EGG SHELL
 TOILET ROOM, CUSTODIAL ROOM WALLS: SEMI-GLOSS
 PAINTED HM FRAMES: SEMI-GLOSS

INTERIOR PAINT COLORS:

PT-1: SHERWIN WILLIAMS, PURE WHITE

SECTION 10 11 00 - VISUAL DISPLAY UNITS

TACKABLE FELT PANEL (2 STEP APPLICATION PROCESS):

TFP:

TOP LAYER

MANUFACTURER:	WOLF GORDON
PRODUCT:	FELTED WITH CUSTOM ETCHING
COLOR:	ZESTY ORANGE
PATTERN:	DOT GRADIENT A
WIDTH:	57"
INSTALLATION:	APPLY DIRECTLY TO CORK PER MANUFACTURER'S INSTRUCTIONS

SUB LAYER

MANUFACTURER:	WOLF GORDON
PRODUCT:	CORK
THICKNESS:	1/4"
WIDTH:	48"
INSTALLATION:	APPLY DIRECTLY TO WALL PER MANUFACTURER'S INSTRUCTIONS

SECTION 10 26 10 - WALL COVERINGS

WALL PROTECTION:

WP:	MANUFACTURER:	MOMENTUM TEXTILES
	PRODUCT:	P3TEC
	STYLE:	ALPINE
	COLOR:	SUNBLEACHED
	SIZE:	48" WIDE ROLLS

SECTION 12 24 00 - WINDOW SHADES

MANUAL ROLLER SHADES:

MANUFACTURER:	MECHOSHADE
PRODUCT:	SOHO 1600 (3% OPEN)
COLOR:	DOVE GREY

SECTION 06 41 00 - CASEWORK

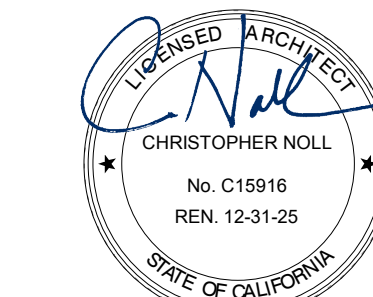
HIGH PRESSURE LAMINATE:

PL-1:	MANUFACTURER:	WILSONART
	COLOR:	CASTLE OAK
	FINISH:	VINE VELVET

SECTION 12 36 00 - COUNTERTOPS:

SS-1:	MANUFACTURER:	COSENTINO
	PRODUCT:	SILESTONE
	COLOR:	MIAMI WHITE
	THICKNESS:	3 CM

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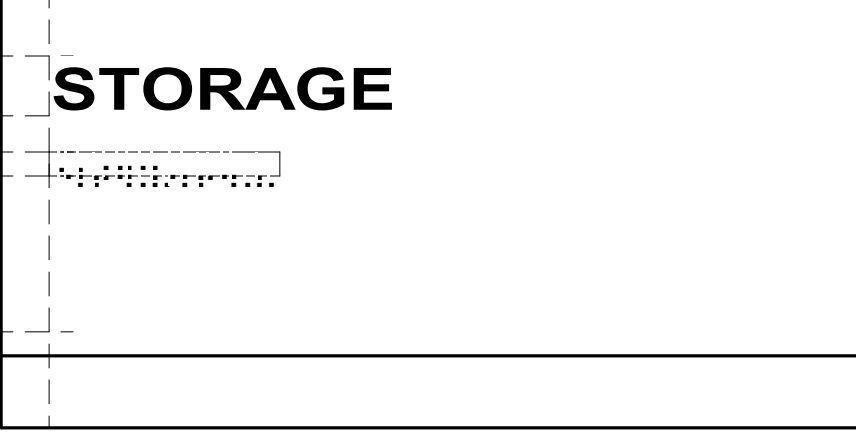
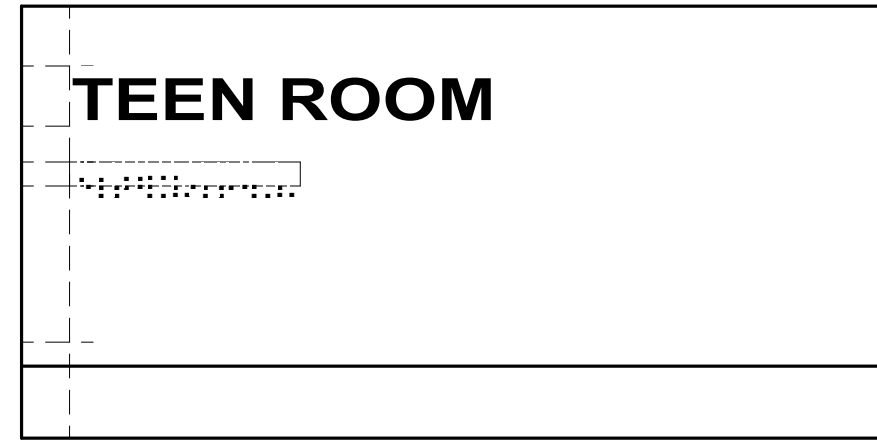
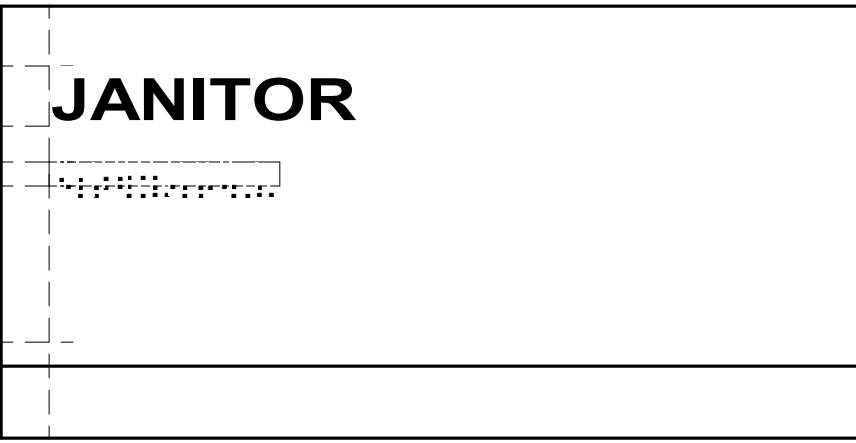
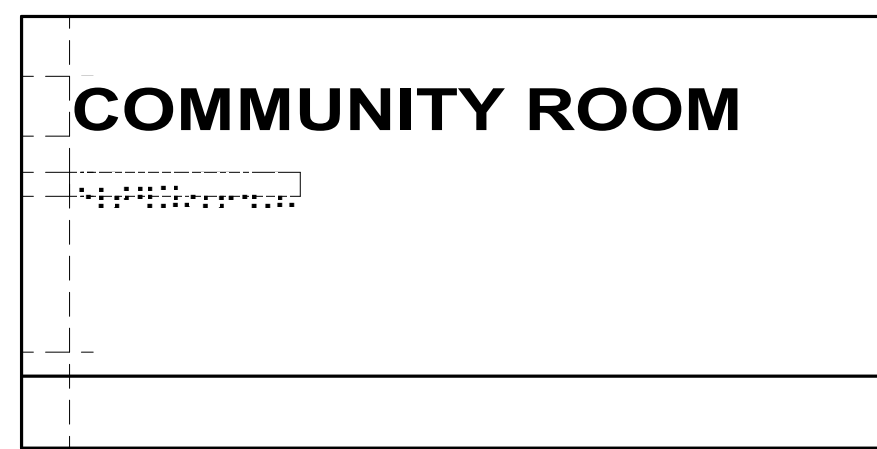
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FINISH SCHEDULE

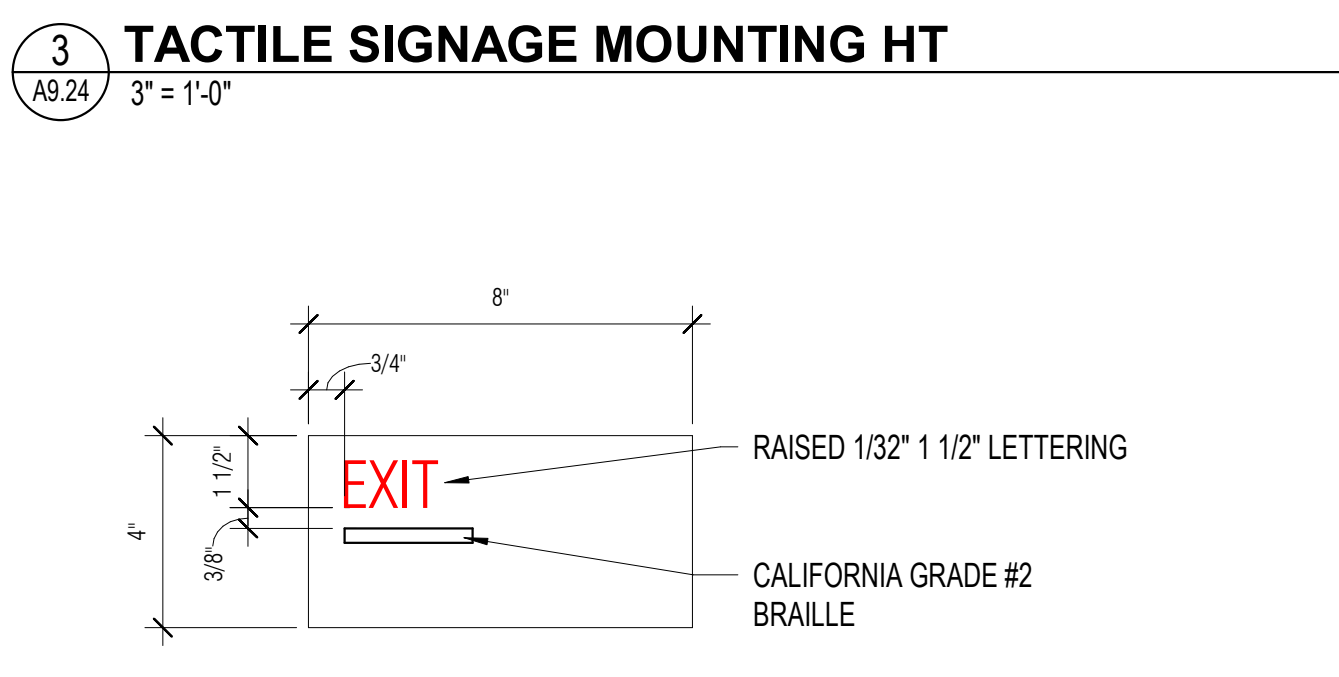
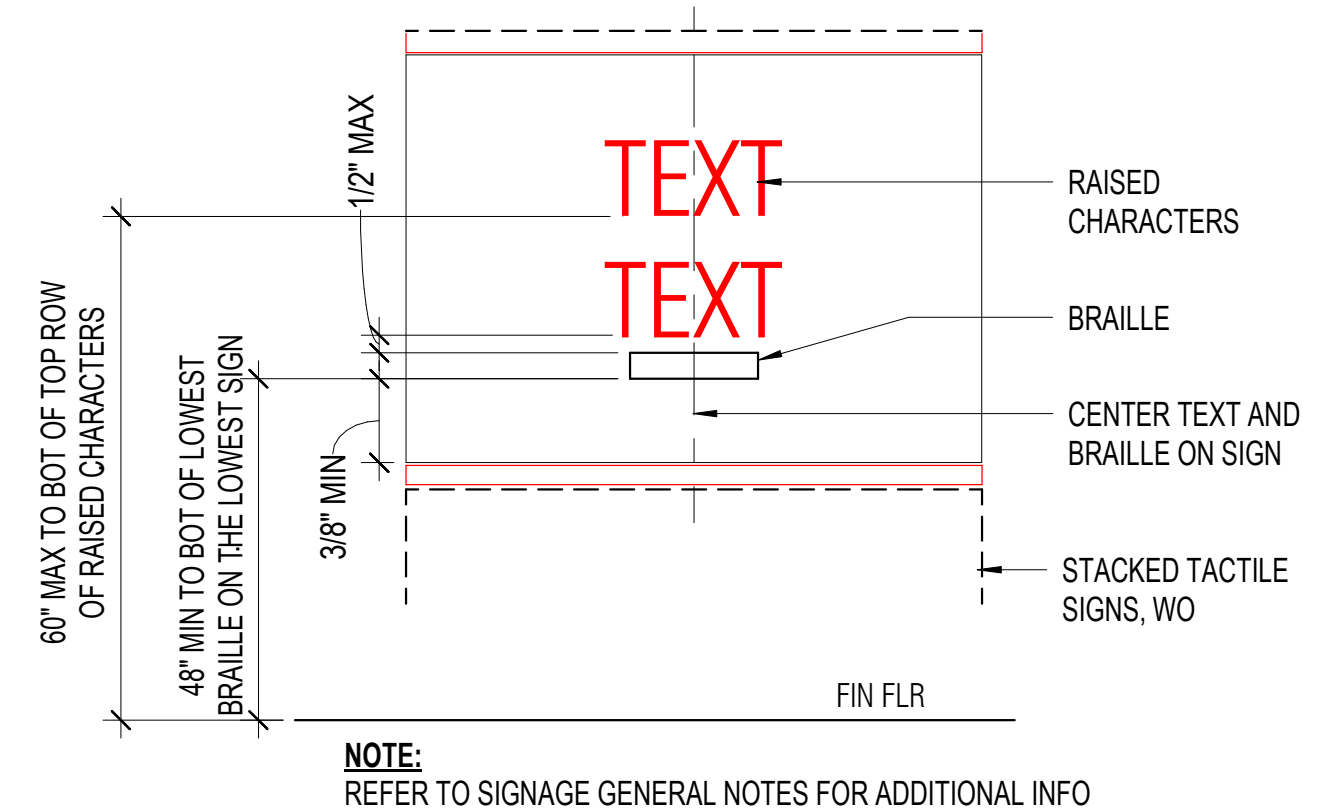
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A9.15

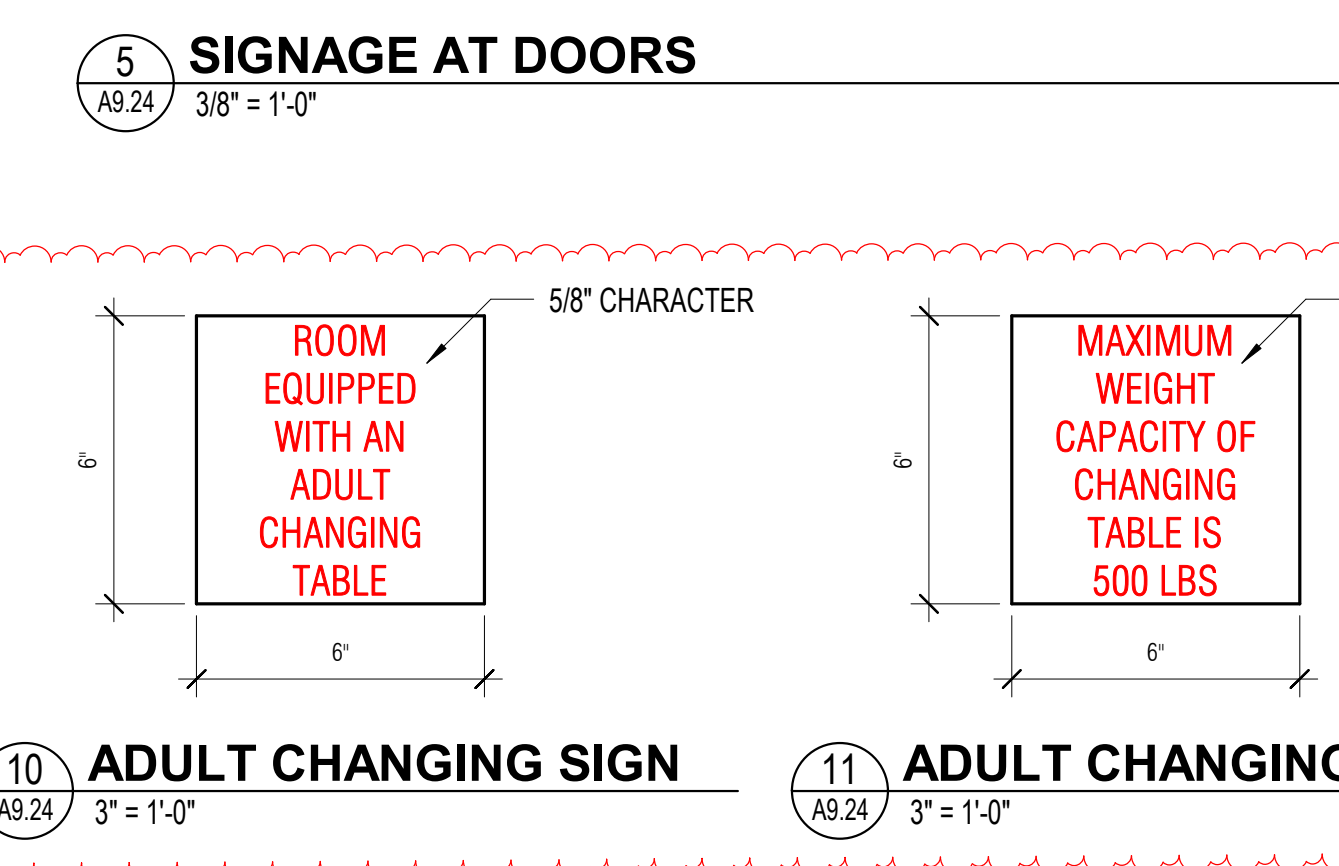
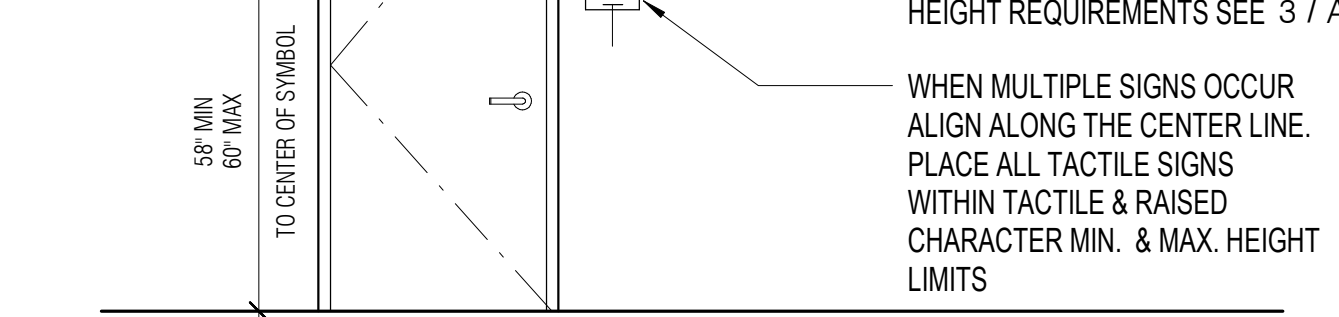
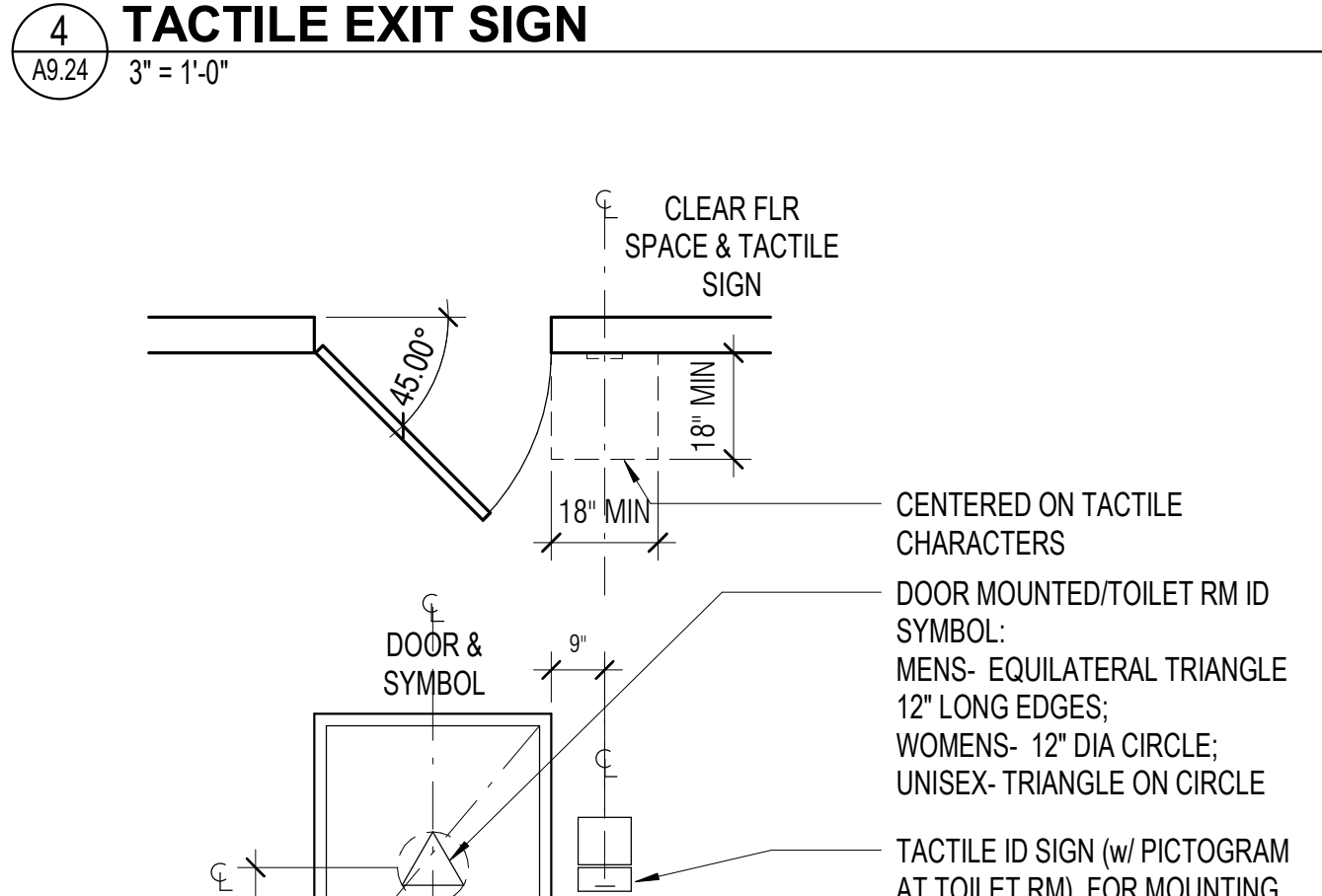


A. 25" EXTERIOR GRADE PHOTOPOLYMER WITH SURFACE 1 EXTERIOR-GRADE WHITE PAINT.
 B. TACTILE LETTERING WITH SILKSCREEN EXTERIOR - GRADE BLACK PAINT
 C. 25" GRADE II CONTRACTED BRAILLE
 D. EXTERIOR GRADE PAINT, COLOR TBD

MOUNT WITH VHB TAPE AND SILICONE ADHESIVE
 60" AFF TO BOTTOM EDGE OF TACTILE LETTERING AND 6" FROM STRIKE SIDE OF DOOR.
 GLASS MOUNT: 3M VINYL ON FIRST SURFACE TO HIDE VHB TAPE AND ADHESIVE



6 SIGNAGE - ROOM ID
 6" = 1'-0"



- SIGNAGE GENERAL NOTES**
- WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHEN THERE ARE TWO ACTIVE LEAVES, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT-HAND DOOR. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. MOUNTING HEIGHT SHALL BE PER DETAIL 3 / A9.24
 - ALL INTERIOR SIGNS SHALL BE 1/8" THICK MINIMUM. (UON)
 - RAISED CHARACTERS: ALL TACTILE SIGNS (SIGNS WHICH INCLUDE BRAILLE) SHALL HAVE THE SIGN LETTERING THAT COMPLY WITH CBC 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH CBC 11B-703.3. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 11B-703.4.
 - DEPTH: RAISED 1/32"
 - CASE: LETTER CHARACTERS TO BE UPPERCASE
 - CHARACTER PROPORTIONS, STROKE THICKNESS, SPACING, LINE SPACING AND FORMAT TO MEET CBC 11B-703.2.
 - CHARACTER HEIGHT: SHALL BE 5/8" MIN. TO 2" MAX. IN HEIGHT, USE LARGEST LETTER HEIGHT PRACTICAL. (UON) VERIFY ALL TEXT SIZES PRIOR TO FABRICATION.
 - PER CBC TABLE 11B-703.3.1: CONTRACTED CALIFORNIA (GRADE 2) BRAILLE SHALL BE USED WHENEVER BRAILLE SYMBOLS ARE REQUIRED.
 - DIMENSIONS AND CAPITALIZATION: REFER TO DETAIL 1/A9.24 FOR DIMENSIONS. CAPITALIZATION TO MEET CBC 11-703.3.1.
 - FOR BRAILLE POSITION, INSTALLATION HEIGHT AND LOCATION REQUIREMENTS ON THE SIGN SEE 1/A9.24
 - PICTOGRAM FIELD: PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6" MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.
 - PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD.
 - ALL CHARACTERS, PICTOGRAMS & THE FIELD UPON WHICH THEY ARE PLACED ARE TO BE OF A NON-GLARE FINISH AND SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON DARK OR DARK ON LIGHT.
 - EDGES AND VERTICES ON GEOMETRIC SYMBOLS: EDGES SHALL BE EASED OR ROUNDED AT 1/16" INCH MIN. OR CHAMFERED AT 1/8" MAX. SEE DETAIL
 - ALL SIGNS SHALL HAVE ALL EDGES EASED.
 - SUBMIT A DRAWING SET FOR APPROVAL WHICH IDENTIFIES SIGNAGE TYPES, MATERIALS & FINISHES, LOCATIONS, ROOM NUMBERS, TEXT & ORIENTATION OF DIRECTIONAL ARROWS TO OWNER & ARCHITECT PRIOR TO FABRICATION
 - ALL SIGNS SHALL BE MOUNTED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
 - ALL PLASTIC SIGNS ADHESIVELY APPLIED TO GLASS SHALL HAVE AN ADDITIONAL PLASTIC BACKING THE SAME SIZE AS THE SIGN ALIGNED AND ADHESIVELY APPLIED TO THE OTHER SIDE OF THE GLASS.

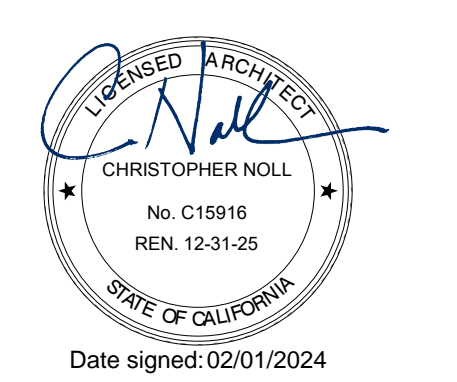
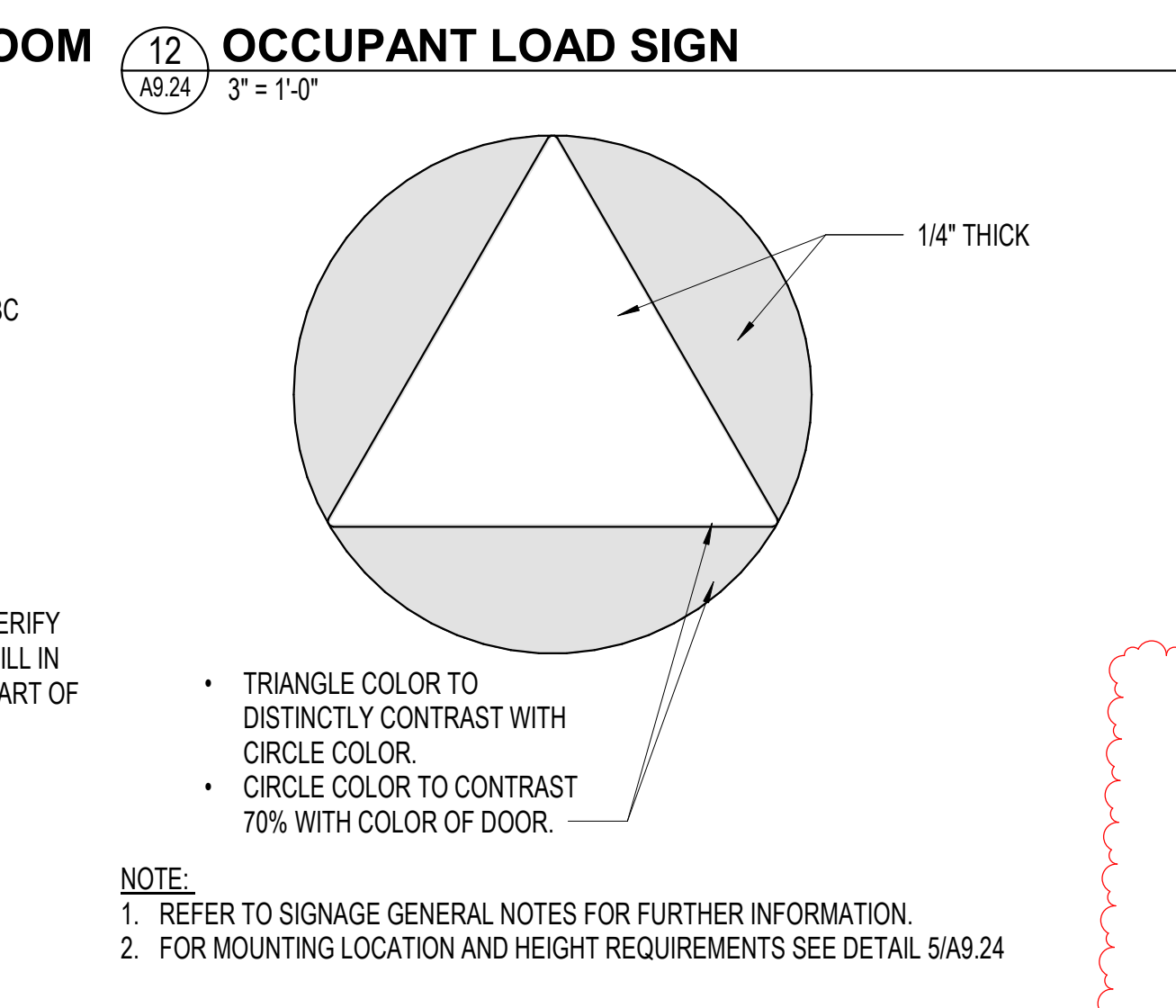
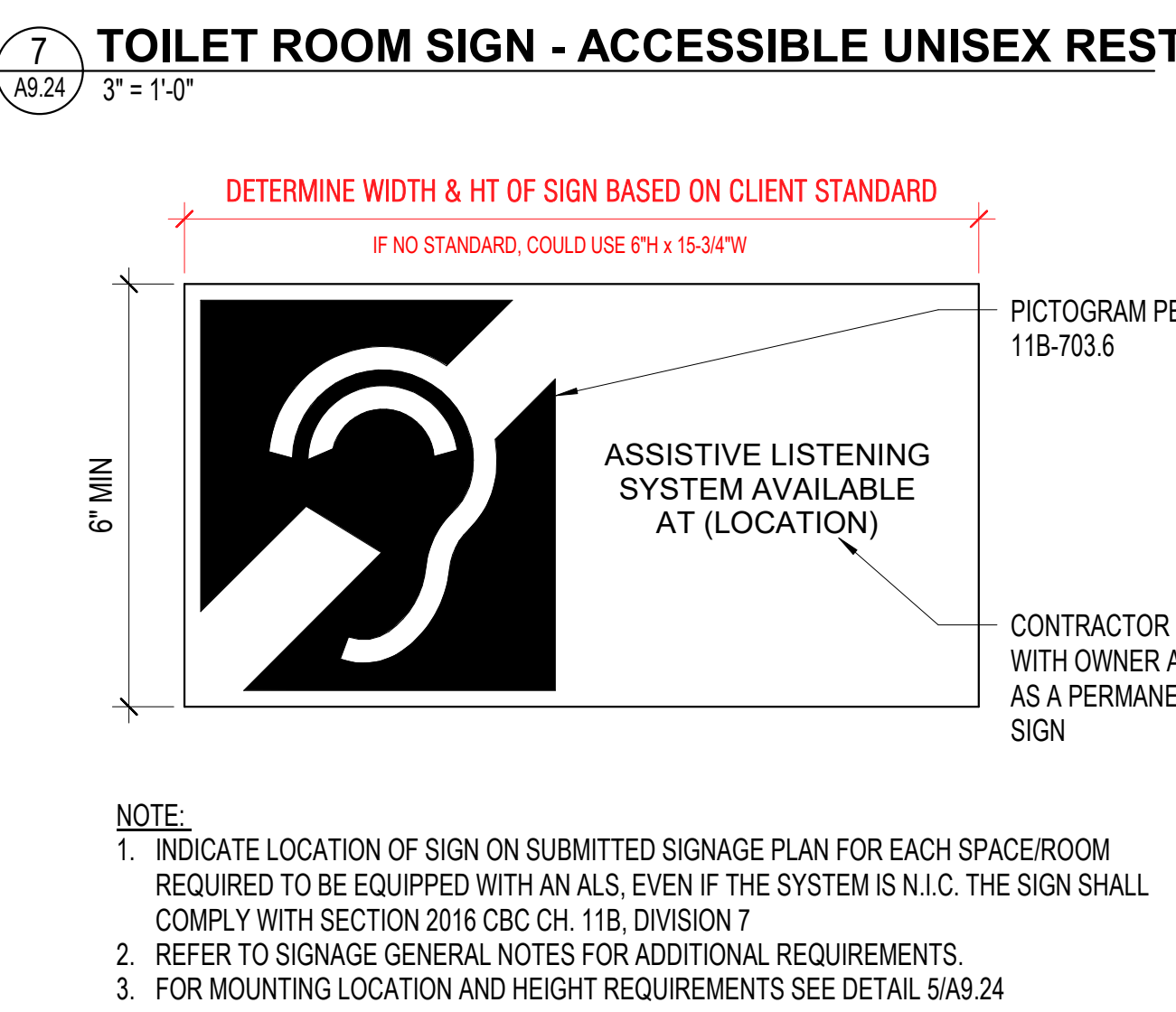
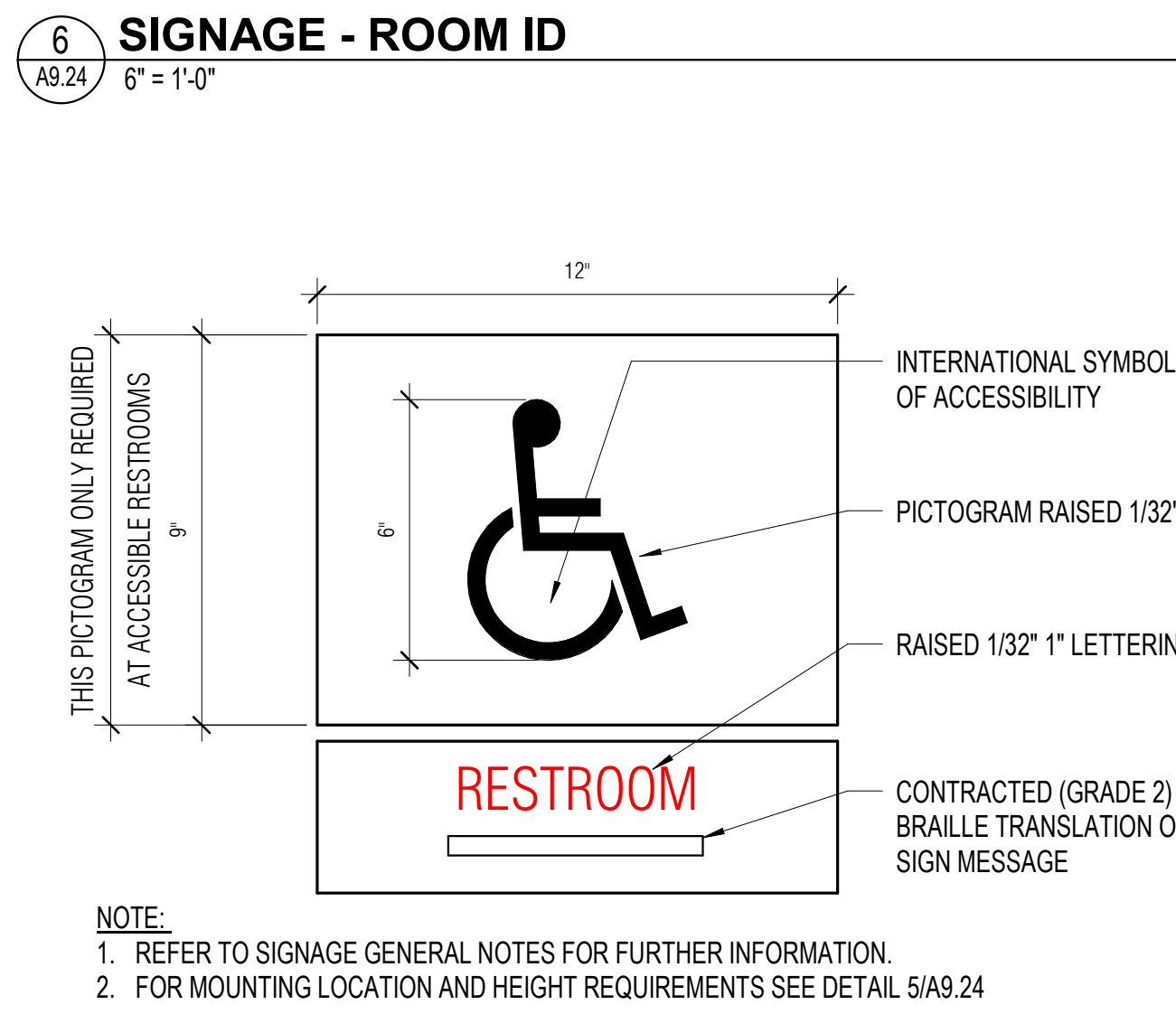
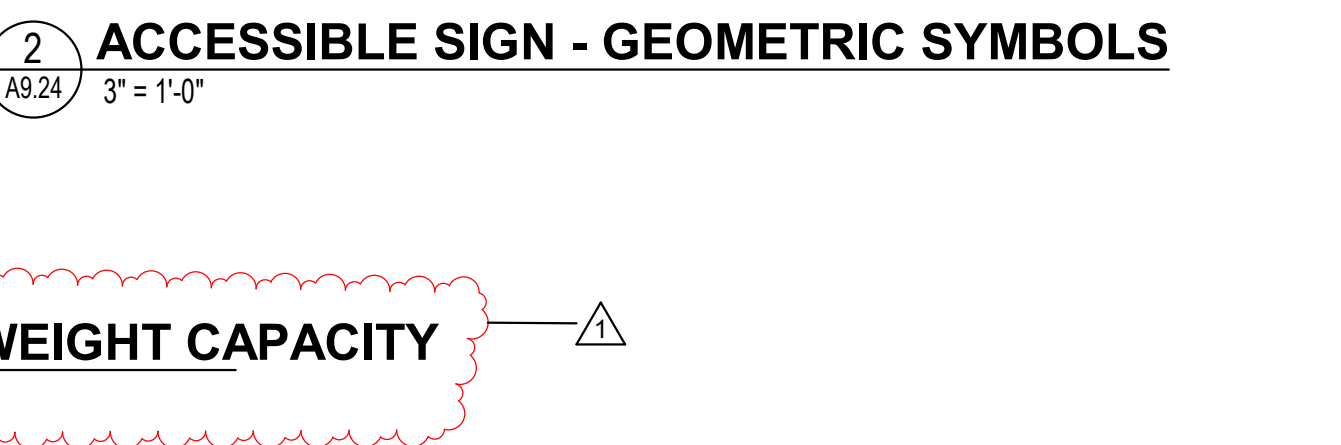
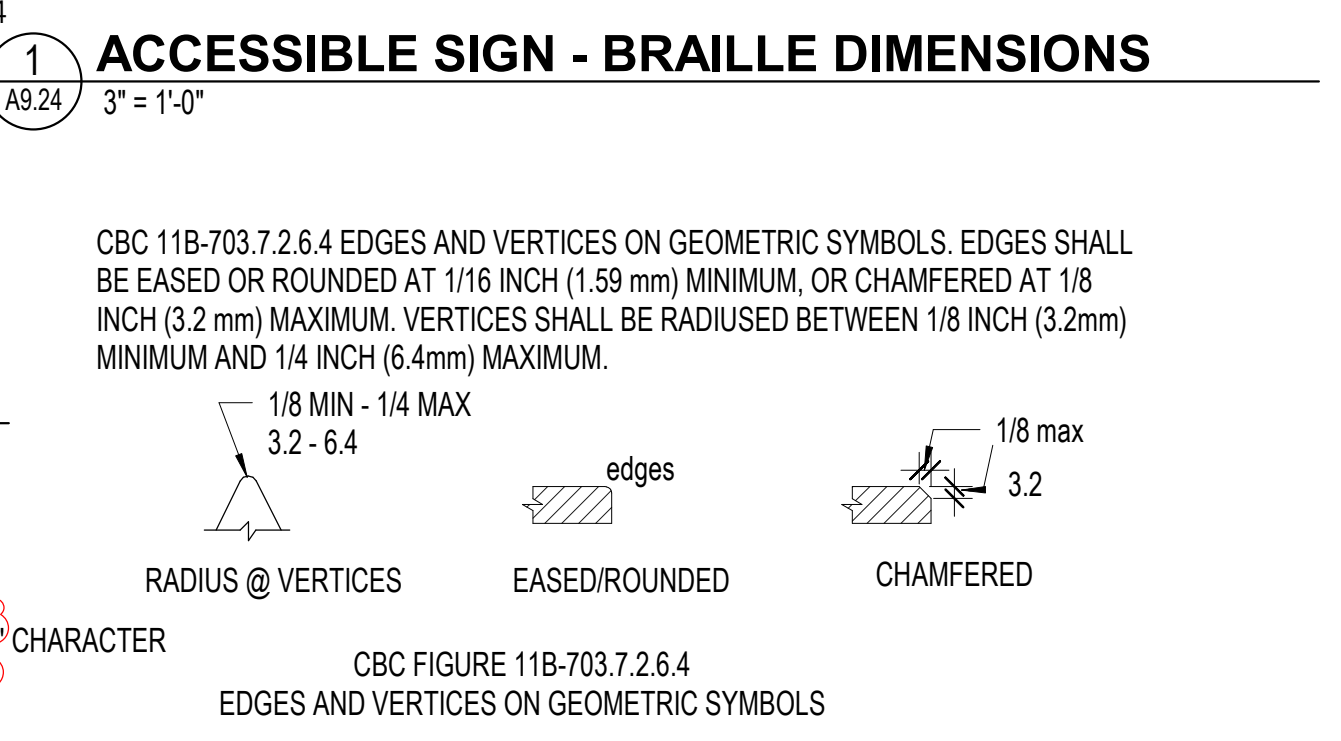
MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5MM) TO 0.063 (1.6MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL ¹	0.100 (2.5MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS ²	0.300 (7.6MM)
DOT HEIGHT	0.025 (0.6MM) TO 0.037 (0.9MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW ¹	0.395 (10MM) TO 0.400 (10.2MM)

1. MEASURED CENTER TO CENTER.
 DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS
 DISTANCE BETWEEN DOTS IN THE SAME CELL

2. DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW

FIGURE 11B-703.3.1 BRAILLE MEASUREMENT

SINGLE BRAILLE CELL
 BLANK CELL SPACE BETWEEN WORDS
 RAISED DOT
 BASE DIAMETER
 NO RAISED DOT



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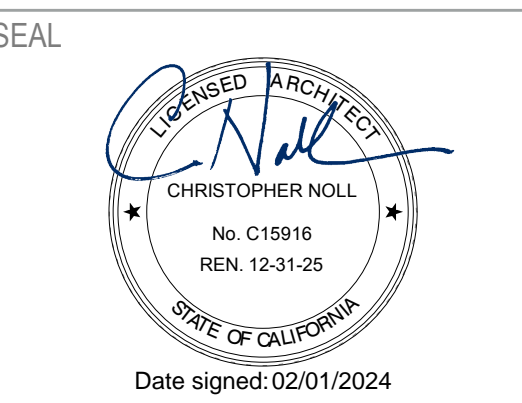
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SHEET TITLE
SIGNAGE DETAILS

SHEET NUMBER

A9.24



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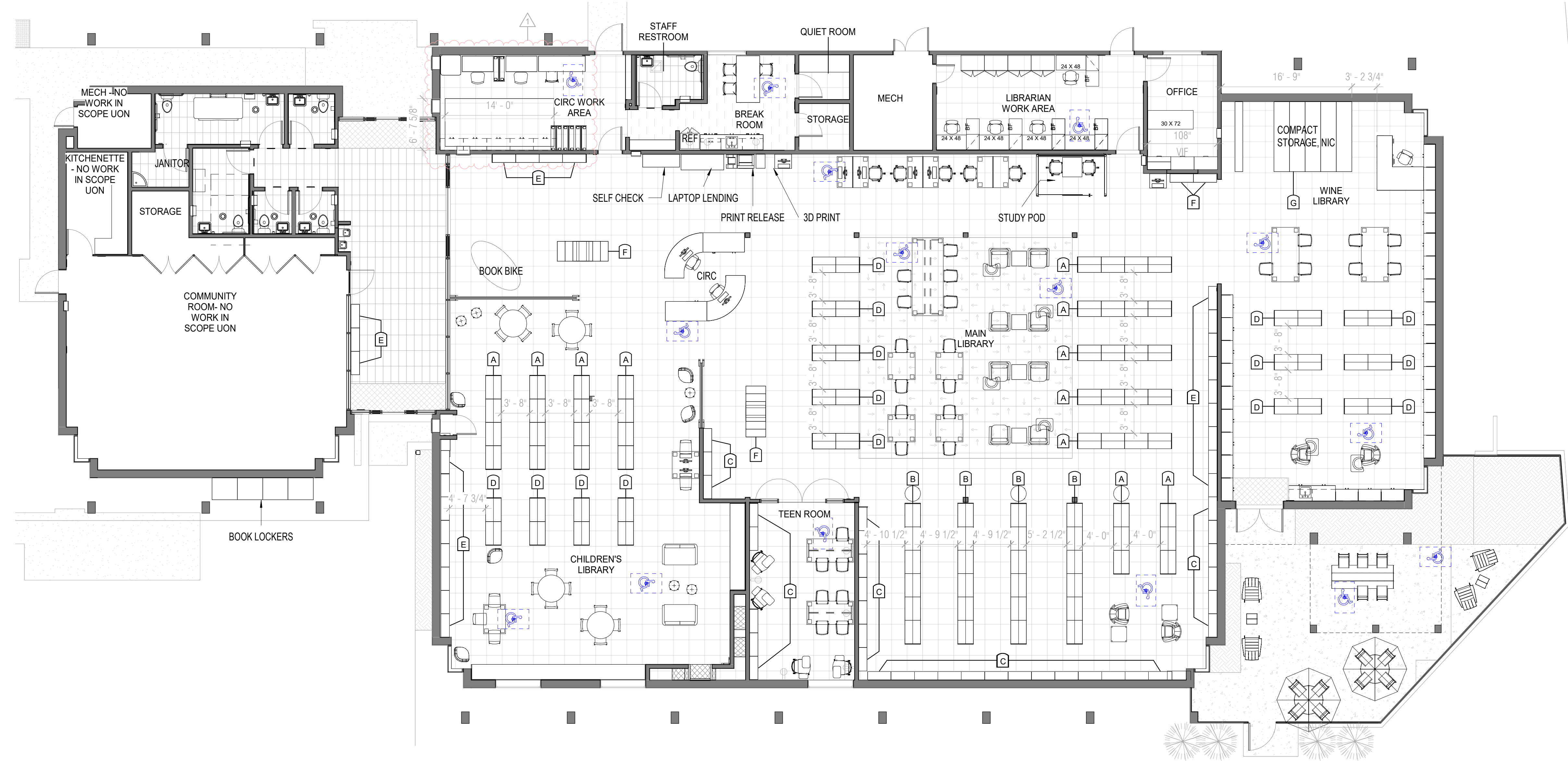
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SHEET TITLE
FURNITURE AND SHELVING PLAN

SHEET NUMBER
A9.41



1 FURNITURE & SHELVING PLAN (FOR REFERENCE ONLY)
A9.41 1/8" = 1'-0"

GENERAL NOTES

- FURNITURE AND SHELVING PLAN PROVIDED FOR REFERENCE ONLY. FURNITURE AND SHELVING ARE NIC, BY SEPARATE CONTRACTOR.

LIBRARY STACK SCHEDULE					
Mark	Type	Height	Width	Depth	Model
A	3 High, Double-Sided, Fixed	3' - 9"	3' - 0"	2' - 0"	
B	5 High, Double-Sided, Fixed	6' - 0"	3' - 0"	2' - 0"	
C	7 High, One-sided, Fixed	7' - 6"	3' - 0"	2' - 0"	
D	3 High, Double-sided, Mobile	3' - 9"	3' - 0"	2' - 0"	
E	3 High, One-sided, Fixed	3' - 9"	3' - 0"	2' - 0"	
F	Glass-front Exhibition	7' - 6"	3' - 0"	2' - 0"	
G	Compact Storage	6' - 4"	3' - 6"	15" / 32" MOVABLE DEPTH	BOD: HIGH DENSITY MOBILE SHELVING SYSTEM BY AURORA STORAGE



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san francisco ca 94111 415.243.4091
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90% CONSTRUCTION DOCUMENTS

ISSUE DATE **JAN 29, 2024**

N&T JOB NUMBER **23080**

REVISONS	DATE	DESCRIPTION

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

S0.1

A DESIGN CRITERIA

DESIGN CRITERIA: 2022 CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (CBC)
ROOF LIVE LOAD: 20 PSF (REDUCIBLE)
RISK CATEGORY: III
WIND DATA: ULTIMATE WIND SPEED (3 SEC GUST) IN MPH: 92
WIND EXPOSURE: C
INTERNAL WIND PRESSURE COEFFICIENT (GCPI) = ±0.18
COMPONENTS AND CLADDING DESIGN PRESSURES FOR SYSTEMS DESIGNED BY OTHERS SHALL COMPLY WITH THE "ASCE 7-16" DESIGN STANDARD

EARTHQUAKE DATA: SEISMIC IMPORTANCE FACTOR, I: 1.25
MAPPED SPECTRAL RESPONSE ACCELERATIONS: S_{DS} = 2.122g;
S₁ = 0.825g
SITE CLASS: D BY DEFAULT
SPECTRAL RESPONSE COEFFICIENTS: S_{DS} = 1.698g; S_{0.1} = 0.935g
SEISMIC DESIGN CATEGORY: D
SEISMIC FORCE RESISTING SYSTEM(S): WOOD FRAMED SHEAR WALLS
RESPONSE MODIFICATION FACTOR(S): R = 6.5
DESIGN BASE SHEAR: 95.6k (ASD)
SEISMIC RESPONSE COEFFICIENT(S): C_s = 0.229 (ASD)
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE

SCOPE: INTERIOR TENANT IMPROVEMENTS INCLUDING NON-BEARING WALLS AND NEW OPENINGS IN EXISTING SHEAR WALLS.

B GENERAL NOTES

- REFER TO SHEETS **S1.1**, **S1.2** AND **S1.3** FOR STANDARD DETAILS OF CONSTRUCTION. REFER TO THE PROJECT SPECIFICATIONS FOR MATERIALS AND METHODS.
- BUILDING DIMENSIONS SHOWN ARE FOR GENERAL REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS (SAD) FOR ALL ACTUAL BUILDING DIMENSIONS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER SO CLARIFICATION CAN BE MADE PRIOR TO COMMENCING WORK.
- STRUCTURAL DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK.
- DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.
- COORDINATION OF MECHANICAL, ELECTRICAL, PLUMBING, AND SITE UTILITY SYSTEMS WITH THE STRUCTURAL SYSTEM IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. USE DETAILS ON SHEETS **S1.1** THROUGH **S1.3**. AT CONDITIONS WHERE THESE DETAILS DO NOT APPEAR TO APPLY, NOTIFY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION. AT CONDITIONS WHERE FIELD MODIFICATIONS OF MECHANICAL, ELECTRICAL, PLUMBING, OR SITE UTILITIES AFFECT STRUCTURAL SYSTEMS, NOTIFY STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
- STRUCTURAL OBSERVATION PER CBC SECTION 1704.6 IS NOT REQUIRED. NOTIFY ZFA FOR GENERAL ON SITE REVIEW OF:
 - WOOD SHEAR WALLS, SHEAR PANELS AND FLOOR/ROOF DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORAGE AND OTHER FASTENING TO OTHER COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM.

NOTIFY ZFA FOR REVIEW PRIOR TO COVERING ABOVE LISTED WORK. PROVIDE 2 WORKING DAYS MINIMUM SCHEDULING NOTICE PRIOR TO REVIEW DATE.

C EXISTING CONSTRUCTION NOTES

- IN PREPARING THE PROJECT PLANS, THE SOURCE OF INFORMATION WAS BASED ON THE EXISTING BUILDING PLANS PREPARED BY COLE/YEE/SCHUBERT & ASSOCIATES, DATED SEPTEMBER 9, 1986. THE CONTRACTOR SHALL VERIFY ALL EXISTING JOB CONDITIONS, REVIEW THE PLANS AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE PROCEEDING WITH ANY WORK. DRAWINGS FOR THE EXISTING CONSTRUCTION ARE AVAILABLE FOR REVIEW.
- ALL WORK NOT INDICATED AS EXISTING (E) SHALL BE ASSUMED TO BE NEW (N).
- ANY REMOVAL, CUTTING, DRILLING, ETC OF EXISTING WORK SHALL BE PERFORMED WITH GREAT CARE. SMALL TOOLS SHALL BE USED IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE STRUCTURE. IF STRUCTURAL MEMBERS OR MECHANICAL, ELECTRICAL, OR ARCHITECTURAL ELEMENTS NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT/ENGINEER SHALL BE IMMEDIATELY NOTIFIED AND PRIOR APPROVAL SHALL BE OBTAINED BEFORE REMOVAL OF THE MEMBERS.
- DO NOT OVER CUT EXISTING WOOD, CONCRETE, MASONRY OR OTHER WORK TO REMAIN. CUTS SHALL BE MADE NEATLY TO A CORNER, THEN ALTERNATE MEANS SHALL BE USED TO REMOVE REMAINING MATERIAL. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF OVER CUT MATERIAL AS DIRECTED BY THE ARCHITECT AND/OR ENGINEER.
- EXISTING DAMAGED STRUCTURAL MEMBERS WHICH ARE UNCOVERED SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND REPAIR.
- EXISTING CONCRETE SURFACE ABUTTING NEW CONCRETE SHALL BE ROUGHENED TO 1/4" AMPLITUDE AND THOROUGHLY CLEANED OF DUST, LOOSE AGGREGATE, LAITANCE, ETC.
- EXISTING REINFORCING AND/OR STEEL EMBEDS THAT ARE EXPOSED DURING DEMOLITION SHALL BE WIRE-BRUSHED AND FOREIGN MATERIAL REMOVED PRIOR TO PLACEMENT OF NEW CONCRETE.
- REMODELING REQUIRES ASSUMPTIONS BE MADE REGARDING EXISTING CONDITIONS WHICH MAY NOT BE VERIFIABLE WITHOUT DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF THE STRUCTURE. THIS ANALYSIS DOES NOT MAKE ANY GUARANTEE TO THE ADEQUACY OF THE STRUCTURAL DESIGN OF THE EXISTING BUILDING NOT SPECIFICALLY ADDRESSED IN THE STRUCTURAL CALCULATIONS. ZFA SHALL NOT BE RESPONSIBLE FOR UNSATISFACTORY PERFORMANCE OF EXISTING PORTIONS OF THE STRUCTURE NOT SPECIFICALLY ADDRESSED IN THE CONSTRUCTION DOCUMENTS.

D FOUNDATION NOTES

- ZFA RECOMMENDS GEOTECHNICAL REPORTS FOR ALL CONSTRUCTION PROJECTS. NO GEOTECHNICAL REPORT HAS BEEN PROVIDED FOR THIS PROJECT AND UNDER DIRECTION OF THE CLIENT, ZFA IS PROCEEDING WITH FOUNDATION DESIGN BASED ON THE CONVENTIONAL PROVISIONS AND THE MINIMUM ALLOWABLE SOIL BEARING PRESSURE ALLOWED PER THE CALIFORNIA BUILDING CODE, CHAPTER 18. HOWEVER, GEOTECHNICAL AND GEOLOGICAL CONDITIONS SUCH AS EXPANSIVE AND COMPRESSIBLE SOILS, LIQUEFACTION, SLOPE INSTABILITY, ETC MAY EXIST WHICH WARRANT SPECIAL DESIGN CONSIDERATIONS. ZFA SHALL NOT BE RESPONSIBLE FOR UNSATISFACTORY PERFORMANCE RESULTING FROM THESE CONDITIONS. ALLOWABLE (ASD) FOUNDATION DESIGN PRESSURES ARE PER CBC SECTION 1806.2. SHALLOW FOOTINGS:

DEAD LOAD + LIVE LOAD = 1,500 PSF
DEAD LOAD + LIVE LOAD + LATERAL = 2,000 PSF
- ALL SOILS WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE REQUIREMENTS OF CHAPTER 18 OF THE CBC. ALL FOUNDATIONS SHALL BEAR ON FIRM, UNDISTURBED, NATIVE SOILS AT OR EXCEEDING DEPTHS SHOWN ON THE DRAWINGS. INCREASE FILL AND OR FOOTING DEPTH AS REQUIRED. ALL FOOTING EXCAVATIONS SHALL BE AS NEAT AS PRACTICABLE. MAXIMUM OVER EXCAVATION IN WIDTH SHALL BE LESS THAN 12 INCHES OR 25% OF FOOTING WIDTH, WHICH EVER IS LESS. 6 INCHES MAXIMUM PER SIDE. LARGER OVER-EXCAVATIONS IN WIDTH SHALL BE FILLED WITH ADDITIONAL REINFORCED CONCRETE AS DIRECTED BY THE ENGINEER, OR FORMWORK SHALL BE PROVIDED. OVER-EXCAVATIONS IN DEPTH MAY BE FILLED WITH LEAN CONCRETE OR COMPACTED APPROVED BACKFILL. ALL LOOSE SOILS SHALL BE REMOVED FROM EXCAVATIONS PRIOR TO PLACEMENT OF REINFORCING OR CONCRETE.

E SHEAR WALL NOTES

- PEN = PLYWOOD/OBS SHEATHING EDGE NAILING. BLOCK ALL UNSUPPORTED EDGES WITH 2x MATERIAL. BLOCK EDGES WITH 2x MATERIAL WHERE NAILING IS 4"oc OR LESS. SEE **G/S1.2** FOR NAIL STAGGER AT ALL 3x.
- FIELD NAILING TO BE 12"oc UNO.
- ALL SHEATHING NAILS TO BE COMMON WIRE. SEE **G/S0.1** AND SPECIFICATIONS FOR OTHER NAIL REQUIREMENTS.
- SHEAR WALL LENGTHS, WHERE NOTED, ARE MINIMUM. DO NOT LOCATE HOLDDOWNS FROM THESE DIMENSIONS. SAD FOR ACTUAL WALL LENGTHS.
- HOLDOWN REFERS TO SIMPSON STRONG TIE CO. HOLDDOWNS. INSTALL HOLDDOWNS AND REQUIRED POSTS PER PLAN. SEE PLANS FOR OTHER REQUIREMENTS.
- EDGE NAIL WALL SHEATHING TO STUDS OR POSTS WITH HOLDDOWNS.
- PORTIONS OF INTERIOR WALL SURFACES ADJACENT TO SPECIFIED SHEAR WALLS SHALL BE SHEATHED FOR THE FULL, UNINTERRUPTED LENGTH TO MATCH EXTERIOR WALLS OR WITH GYPSUM BOARD OF THE SAME THICKNESS TO PROVIDE AN EVEN WALL SURFACE FOR FINISH MATERIALS.
- SHEAR WALLS MORE THAN ONE VERTICAL PANEL IN HEIGHT SHALL HAVE STAGGERED HORIZONTAL OR VERTICAL SPLICE JOINTS.
- WHERE PANELS ARE APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6"oc ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
- ANCHOR BOLTS (AB) FOR SHEAR WALLS SHALL INCLUDE STEEL PLATE WASHERS, A MINIMUM OF 0.229 INCH BY 3 INCHES SQUARE IN SIZE, BETWEEN THE SILL PLATE AND NUT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/4" LARGER THAN THE AB DIAMETER AND A SLOT LENGTH NOT TO EXCEED 12". PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. PLATE WASHER TO EXTEND WITHIN 1/2" OF SHEAR WALL SHEATHING UNO. PROVIDE OVERSIZED PLATE WASHER OR OFFSET AB AS REQUIRED. AT DOUBLE-SIDED SHEAR WALLS, STAGGER AB AS REQUIRED. AB TO BE PLACED A MINIMUM OF 4 1/2" AND A MAXIMUM OF 12" FROM ENDS OF ALL SILL PLATES AND AT NOTCHES IN SILL PLATES.
- NO OPENINGS ARE ALLOWED IN SHEAR WALLS UNLESS SHOWN ON THE STRUCTURAL PLANS. OPENINGS NOTED ARE PER **J-2**. COORDINATE ANY OPENINGS NOT SHOWN WITH THE STRUCTURAL ENGINEER.

SW	APA RATED SHEATHING	NAILING (PEN)	ANCHORAGE				REMARKS
			1/4" BOLT FDN		AT FRAMING		
			2x SILL	3x SILL	LTP4*	A35	
(A)	NOT USED						
(B)	NOT USED					3x MIN AT ALL ADJOINING PANEL EDGES	
(C)	NOT USED						
(D)	1/2" * (32/16) EXP 1	8d @ 2'oc	-	24"oc	8"oc	6"oc	
(E)	1/2" * (32/16) EXP 1	10d @ 2'oc	-	16"oc	6"oc	6"oc	
(F)	1/2" * (32/16) EXP 1 BOTH SIDES	10d @ 3'oc	-	12"oc	8"oc EA SIDE STGR	8"oc EA SIDE STGR	

*LTP4 SHALL BE ORIENTED W/ LONG SIDE HORIZONTAL (DIRECTION "G" PER SIMPSON CATALOG)

SHEET INDEX	
S0.1	GENERAL NOTES
S1.1	TYPICAL CONCRETE DETAILS
S1.2	TYPICAL WOOD DETAILS
S1.3	TYPICAL WOOD DETAILS
S2.1	FOUNDATION PLAN
S2.2	ROOF FRAMING PLAN
S6.1	DETAILS

F SPECIAL INSPECTION BY OWNERS TESTING AGENCY

SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED BY AN APPROVED AGENCY IN ACCORDANCE WITH CBC CHAPTER 17 AND THE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED BY CBC SECTIONS 1704.2.3 AND 1704.3 FOR BUILDING STRUCTURAL ELEMENTS SUMMARIZED AS FOLLOWS:

- WOOD CONSTRUCTION PER CBC SECTIONS 1705.5, 1705.12.1, AND 1705.13.2 INCLUDING NAILING, BOLTING, AND ANCHORING OF ALL DRAG STRUTS, TOP PLATE SPLICES, LEDGER SPLICES, SIMPSON HARDWARE, BRACES, AND HOLDDOWNS; AND NAILING, BOLTING, AND ANCHORING OF ALL SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS WHERE THE FASTENER SPACING OF THE SHEATHING IS 4" APART OR LESS.
- SPECIAL CASES PER CBC SECTION 1705.1.1 AND PRODUCT ICC REPORTS FOR ALL STRUCTURAL MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN THE CBC OR REFERENCED STANDARDS INCLUDING POST-INSTALLED ANCHOR BOLTS IN CONCRETE AND CMU, AND PRE-MANUFACTURED SHEAR PANELS AND BRACED FRAMES.

G WOOD FRAMING NOTES

- HEADERS, BEAMS, POSTS, TOP PLATE SPLICES, AND ETC., ARE PER **S1.2** AND **S1.2** WHERE NOT NOTED ON PLAN AND DETAILS.
- SEE **G/S1.2** FOR SHEATHING NAILING REQUIREMENTS. ALL NAILING NOT NOTED OR DETAILED OTHERWISE SHALL BE PER **S1.2**. NAIL LENGTH TO BE SUFFICIENT TO MEET CBC PENETRATION REQUIREMENTS. NAILS INTO PRESSURE TREATED MATERIAL SHALL BE HOT DIP GALVANIZED. NAILS AT BORATE TREATED LUMBER MAY BE CLEAR ZINC COATED. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AT EXTERIOR EXPOSURES.
- HSS OR PIPE COLUMNS IN STUD WALLS ARE TO BE TRIMMED PER **S1.3**. REFER TO PLANS AND DETAILS FOR OTHER REQUIREMENTS.
- ROUND HOLES IN STEEL PLATES TO BE 1/4" OVERSIZE. SLOTTED HOLES IN STEEL PLATES SHALL BE 1/4" WIDER THAN THE BOLT DIAMETER AND HAVE A LENGTH OF 2 TIMES THE BOLT DIAMETER. THE DIRECTION OF THE SLOTTED LENGTH IS INDICATED ON THE DETAILS (VSH OR HSH). INSTALL BOLT AT THE CENTER LINE OF THE HOLE. BOLT HOLES IN WOOD SHALL BE ROUND AND 1/2" OVERSIZE. CUT OFF BOLT THREADED END FLUSH WITH NUT WHEN REQUIRED BY FINISHES AND 1" MAXIMUM FROM NUT OTHERWISE. PROVIDE STANDARD CUT WASHERS UNDER HEAD AND NUT WHERE BOLT BEARS ON WOOD. USE PLATE OR MALLEABLE IRON WASHERS AT EXPOSED CONDITIONS OR AS INDICATED.
- ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM EACH SIDE OF THE SPLICED OR STRAPPED MEMBER SHALL BE EQUIDISTANT FROM THE SPLICE. STRAPS USING 16d NAILS ON 2x MATERIAL TO BE INSTALLED ON THE 1 1/2" EDGE OF THE MEMBER.
- THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND SHEATHING MEET THE REQUIREMENTS OF THE SPECIFICATIONS AT THE TIME OF INSTALLATION AND AT CLOSE-IN. THE CONTRACTOR SHALL PROVIDE ALLOWANCE FOR DIFFERENTIAL SHRINKAGE BETWEEN FLOORS, ETC.

H MATERIAL DATA

(INFORMATION SHOWN IS FOR STRUCTURAL DESIGN REFERENCE ONLY. SEE THE PROJECT SPECIFICATIONS FOR ALL MATERIAL SPECIFICATIONS.)

CONCRETE 28-DAY MINIMUM DESIGN STRENGTH:
F_c = 3,000 PSI FOUNDATIONS (DESIGNED FOR 2,500 PSI)

REINFORCING STEEL:
ASTM A615 GRADE 60 OR A706 GRADE 60 (F_y = 60,000 PSI)

STRUCTURAL STEEL (UNO):
ANGLES, CHANNELS, AND PLATES - ASTM A36 (F_y = 36,000 PSI)
RECTANGULAR HSS - ASTM A500 GRADE C (F_y = 50,000 PSI)

FASTENERS:
MACHINE BOLTS SHALL BE ASTM A307 GRADE A
ANCHOR RODS SHALL BE ASTM F1554 GR 36 UNO
HDU11 (AND SMALLER) ANCHOR ROD SHALL BE ASTM F1554 GR 55
HD19 ANCHOR ROD SHALL BE F1554 GR105
ARC-WELDING ELECTRODES SHALL BE E70

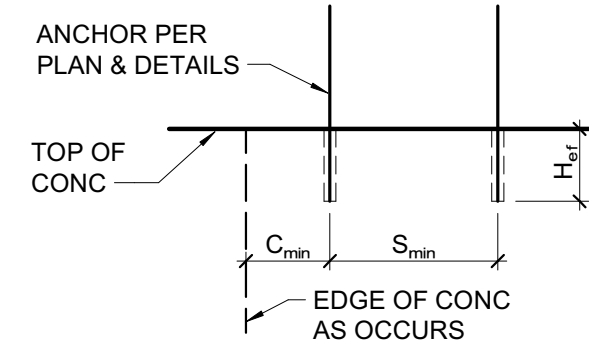
WOOD BASE DESIGN STRESSES (UNO):

SAWN LUMBER MEMBER	SPECIES AND MINIMUM GRADE, UNO	F _c (PSI)	F _v (PSI)	E (PSI)
6x POSTS	DOUGLAS FIR - #1	1200	170	1.6x10 ⁶
6x BEAMS	DOUGLAS FIR - #1	1350	170	1.6x10 ⁶
4x POSTS & BEAMS	DOUGLAS FIR - #1	1000	180	1.7x10 ⁶
2x JOISTS, RAFTERS	DOUGLAS FIR - #2	900	180	1.6x10 ⁶
2x STUDS	DOUGLAS FIR - #2	900	180	1.6x10 ⁶

FOR METAL CONNECTOR DESIGNATION REFER TO SIMPSON STRONG-TIE PER SPECIFICATIONS.

ABBREVIATIONS			
AB	ANCHOR BOLT	FTG	FOOTING
ABV	ABOVE	GA	GAGE or GAUGE
AC	AIR CONDITIONING	GALV	GALVANIZED
ADJ	ADJACENT	GB	GRADE BEAM
ADDL	ADDITIONAL	GL	GRIDLINE
ALT	ALTERNATE	GLB	GLUE LAMINATED BEAM
ALUM	ALUMINUM	GR	GRADE
ARCH	ARCHITECT	HD	HOLD DOWN
AYC	ALASKAN YELLOW CEDAR	HDG	HOT-DIP GALVANIZED
BF	BRACED FRAME	HDR	HEADER
BLDG	BUILDING	HGR	HANGER
BLK/BLKG	BLOCK/BLOCKING	HK	HOOK
BLW	BELOW	HRIZ	HORIZONTAL
BM	BEAM	HSH	HORIZONTAL SLOTTED
BN	BOUNDARY NAIL	HSS	HOLE
BOT	BOTTOM	HSS	HOLLOW STRUCTURAL
BNG	BEARING	HT	HOLE THROUGH
BTWN	BETWEEN	HT	HOLE THROUGH
BV	BUILD UP	ID	INSIDE DIAMETER
BYND	BEYOND	IJ	ISHAPED WOOD BUILT UP TRUSS
C	CANAL	INT	INTERIOR
CA	CALIFORNIA	JST	JOIST
CANT	CANTILEVER	JT	JOINT
CB	CARRIAGE BOLT	KP	KING POST
CF	COLD FORMED STEEL	L	STEEL ANGLE
CIP	CAST IN PLACE	SFRS	SEISMIC FORCE RESISTING SYSTEM
COL	CERTIFIED GLUED LUMBER CONTROL JOINT	Lb or #	POUNDS (lb)
CJ	CENTERLINE	LMFC	LIGHT GAGE METAL FRAMING
C/P	COMPLETE JOINT PENETRATION	LMFC	LIGHT GAGE METAL FRAMING CONTRACTOR
CLG	CEILING	LL	LIVE LOAD
CLR	CLEAR	LLH	LONG LEG HORIZONTAL
COL	COLUMN	LLV	LONG LEG VERTICAL
CONC	CONCRETE	LOC	LOCATION
CONN	CONNECTION	LS	LAG SCREW
CONT	CONTINUOUS	LSL	LAMINATED STRAND LUMBER
COORD	COORDINATE/COORDINATION	LVL	LAMINATED VENEER LUMBER
CMU	CONCRETE MASONRY UNIT	LWC	LIGHTWEIGHT CONCRETE
CSK	COUNTERSINK	MAX	MAXIMUM
CW	CUT WASHER	MB	MACHINE BOLT
DBA	DEFORMED BAR ANCHOR	MBM	METAL BUILDING MANUFACTURER
DEL	DOUBLE	MECH	MISCELLANEOUS CHANNEL
DCW	DEMAND CRITICAL WELD	MEZZ	MEZZANINE
DI	DIAMETER	MF	MOMENT FRAME
DIAG	DIAGONAL	MFR	MANUFACTURER
DM	DIMENSION	MIN	MINIMUM
DIST	DISTANCE	MISC	MISCELLANEOUS
DJ	DOWEL JOINT	MW	MALLEABLE IRON WASHER
DL	DEAD LOAD	MTL	METAL
DN	DOWN	MU	MECH UNIT
DO	DITTO	NI	NOT APPLICABLE
DWG	DRAWING	N/A	NOT APPLICABLE
DWL	NUMBER	NO or #	NUMBER
EAL	EACH	NS	NEAR SIDE
EE	EACH END	NSG	NON-SHRINK GROUT
EF	EACH FACE	NTS	NOT TO SCALE
ELEC	ELECTRICAL	NWC	NORMAL-WEIGHT CONCRETE
ELEV	ELEVATION/ELEVATION	OC	ON CENTER
EMBED	EMBEDMENT	OH	OUTSIDE DIAMETER
EQ	EQUAL	OP	OPPOSITE
EQUIP	EQUIPMENT	OPNG	OPENING
ES	EACH SIDE	OPP	OPPOSITE
EW	EACH WAY	OV	OVERSIZED
EXP	EXISTING	OW	OTHERWISE
EXT	EXTERIOR	DWT	OPEN WEB TRUSS
FDN	FOUNDATION	E	PLATE or PROPERTY LINE
FIN	FINISH	PA	POWER ACTUATED
FG	FINISH GRADE	PEN	FASTENERS
FLR	FLOOR	PERP	PERPENDICULAR
FN	FACE NAIL	RES	REINFORCING
FOM	FACE OF MASONRY	RES	REINFORCING
FOS	FACE OF STUD	PJP	PARTIAL JOINT PENETRATION
FRMG	FRAMING	PLF	POUNDS PER LINEAR FOOT
FS	FAR SIDE		

ADHESIVE ANCHOR IN 2500 PSI MIN CONCRETE							
ADHESIVE TYPE	ANCHOR		PILOT HOLE	MIN EMBED UNO H _{ef}	MIN EDGE DISTANCE C _{min}	MIN SPCG S _{min}	MIN CONC DEPTH H _{min}
	THRD ROD	REBAR					
SIMPSON SET-XP (ICC-ESR 2508)	3/8"Ø	#3	1/2"Ø	3"	1 1/4"	3"	H _{ef} + 2 1/2"
	1/2"Ø	#4	3/4"Ø	4"	1 1/4"	3"	H _{ef} + 3 1/2"
	3/4"Ø	#5	3/4"Ø	5"	1 1/4"	3"	H _{ef} + 3 1/2"
	3/4"Ø	#6	3/4"Ø	6"	1 1/4"	3"	H _{ef} + 4 1/2"
	1"Ø	#7	1"Ø	7"	1 1/4"	3"	H _{ef} + 4"
HILTI HIT-HY 200R V3 (ICC-ESR 4868)	1"Ø	#8	1 1/4"Ø	8"	1 1/4"	3"	H _{ef} + 5 1/2"
	1 1/4"Ø	#10	1 3/4"Ø	10"	2 3/4"	6"	H _{ef} + 6 1/4"
	3/4"Ø	N/A	3/4"Ø	3"	1 1/4"	1 1/2"	H _{ef} + 1 1/4"
	N/A	#3	1/2"Ø	4"	1 1/4"	1 1/2"	
	1/2"Ø	N/A	3/4"Ø	3"	1 1/4"	2 1/2"	H _{ef} + 1 1/2"
N/A	#4	3/4"Ø	4"	1 1/4"	2 1/2"		
3/4"Ø	#5	3/4"Ø	5"	1 1/4"	3 1/4"	H _{ef} + 1 1/2"	
3/4"Ø	#6	3/4"Ø	6"	1 1/4"	3 3/4"	H _{ef} + 1 3/4"	
3/4"Ø	#7	1"Ø	7"	1 1/4"	4 3/4"	H _{ef} + 2"	
1"Ø	#8	1 1/4"Ø	8"	1 1/4"	5"	H _{ef} + 2 1/4"	
N/A	#9	1 3/4"Ø	9"	1 1/4"	5 3/4"	H _{ef} + 2 3/4"	
1 1/4"Ø	N/A	1 3/4"Ø	10"	1 1/4"	6 1/4"	H _{ef} + 3"	
N/A	#10	1 1/2"Ø	10"	1 1/4"	6 1/4"		



NOTES:

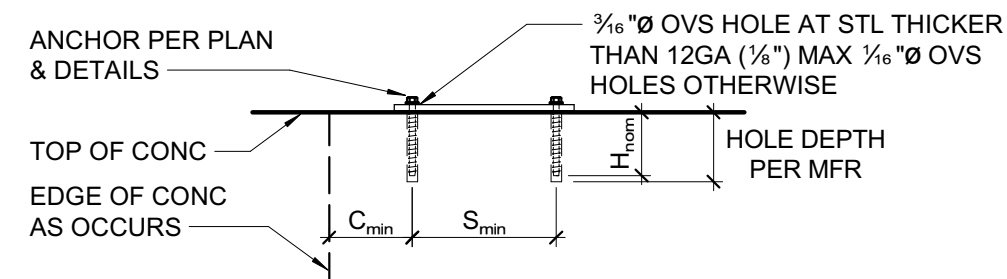
- INSTALL ADHESIVE ANCHORS PER MANUFACTURER'S INFORMATION AND ICC REPORT.
- CONTRACTOR TO VERIFY MINIMUM EDGE DISTANCES, SPACING, AND THICKNESS ARE IN ACCORDANCE W/ SCHEDULE PRIOR TO INSTALLING ANCHOR.
- HOLES TO BE DRILLED W/ ROTARY DRILL ONLY. WHEN DRILLING HOLES IN EXISTING CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN 1" CLEARANCE BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR. FILL ABANDONED HOLES W/ HIGH STRENGTH GROUT.
- SPECIAL INSPECTION IS REQUIRED PER SECTION 1705 AND THE REQUIREMENTS OF THE ICC REPORTS. THE SPECIAL INSPECTOR SHALL PERFORM PERIODIC/CONTINUOUS INSPECTION IN ACCORDANCE WITH TABLE 1705.3. THE SPECIAL INSPECTOR SHALL INSPECT ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE CLEANLINESS, EMBEDMENT DEPTH, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, DRILL BIT DIAMETER, HOLE DEPTH, EDGE DISTANCE(S), ANCHOR SPACING(S), CONCRETE THICKNESS, AND ADHESIVE INJECTION.

8 ADHESIVE ANCHOR IN CONCRETE
3/4" = 1'-0"

CARBON SCREW ANCHOR IN 2500 PSI MIN CONCRETE								
ANCHOR TYPE	ANCHOR AND PILOT HOLE DIA	MINIMUM EMBEDMENT H _{nom}	MINIMUM EDGE DIST C _{min}	MINIMUM SPCG S _{min}	MINIMUM CONCRETE THICKNESS H _{min}	MINIMUM INSTALL TORQUE (FT-LB)	MAXIMUM INSTALL TORQUE (FT-LB)	
								SIMPSON TITEN HD (ICC-ESR 2713)
	3/8"	2 1/2"	1 1/2"	1 1/2"	3"	4"	10	50
	1/2"	3 1/4"	1 1/2"	3"	5"	10	65	
	3/8"	4"	1 1/2"	3"	6"	10	100	
	3/4"	5 1/2"	1 1/2"	3"	8 3/4"	20	150	
HILTI KHEZ (ICC-ESR 3027)	1/2"	1 1/2"	1 1/2"	1 1/2"	3 1/4"	10	18	
	3/8"	2 1/2"	1 1/2"	3"	4"	10	40	
	1/2"	3"	1 1/2"	3"	4 3/4"	10	45	
	3/4"	3 1/4"	1 1/2"	4"	5"	10	85	
	3/4"	4"	1 1/2"	4"	6"	20	95	

STAINLESS STEEL SCREW ANCHOR IN 2500 PSI MIN CONCRETE

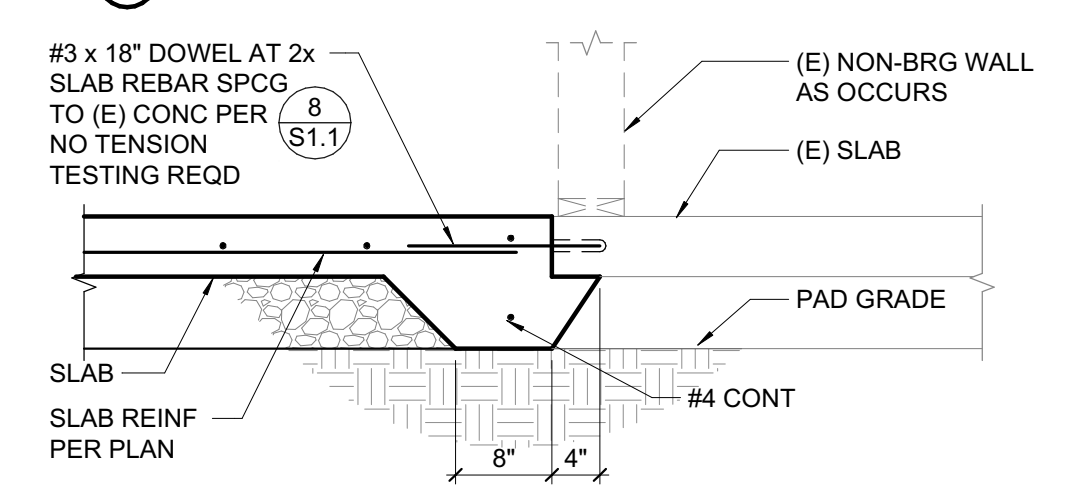
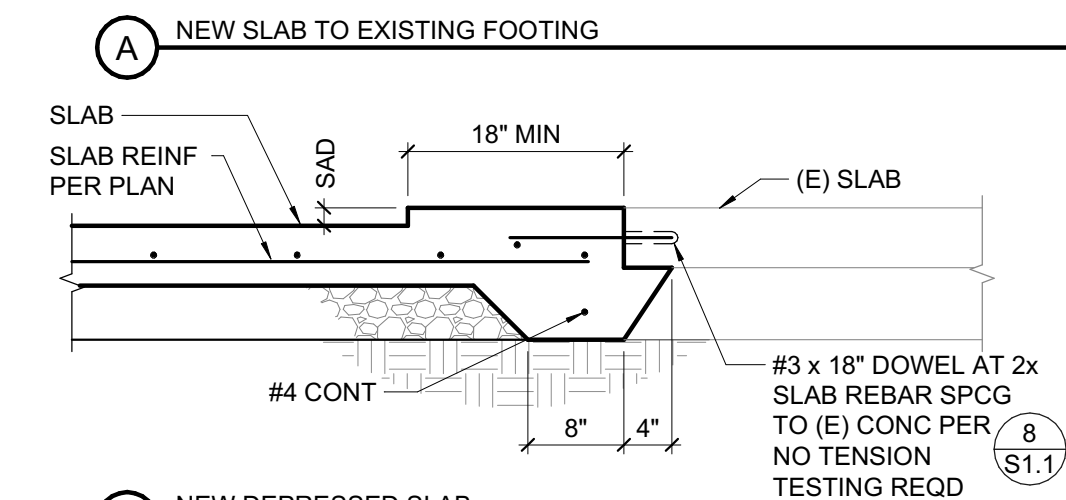
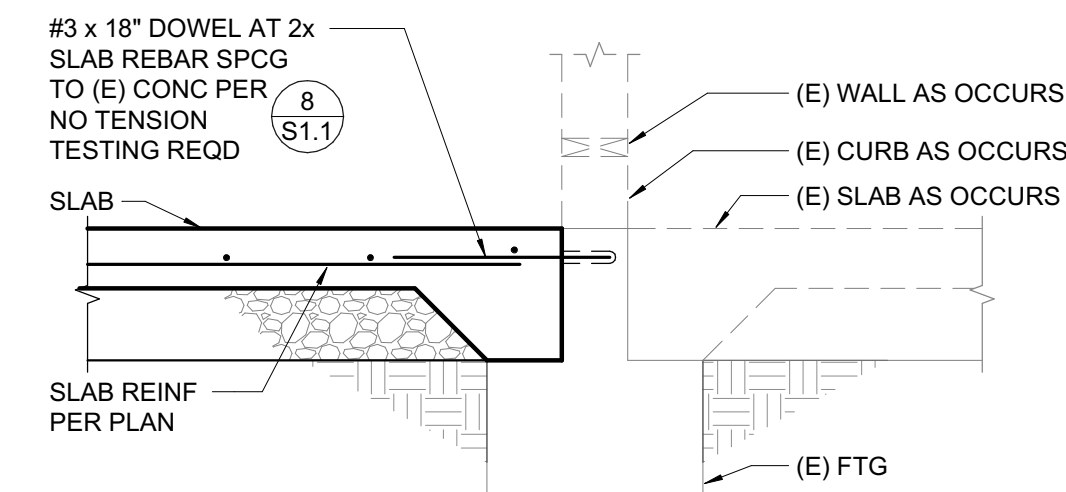
SIMPSON TITEN HDSS (IAPMO UES ER-493)	3/8"	2 1/2"	1 1/2"	3"	4"	10	40
	1/2"	3 1/4"	1 1/2"	4"	5"	10	70
	3/4"	4"	1 1/2"	3"	6"	10	85
	3/4"	5 1/2"	1 1/2"	3"	8 3/4"	20	150



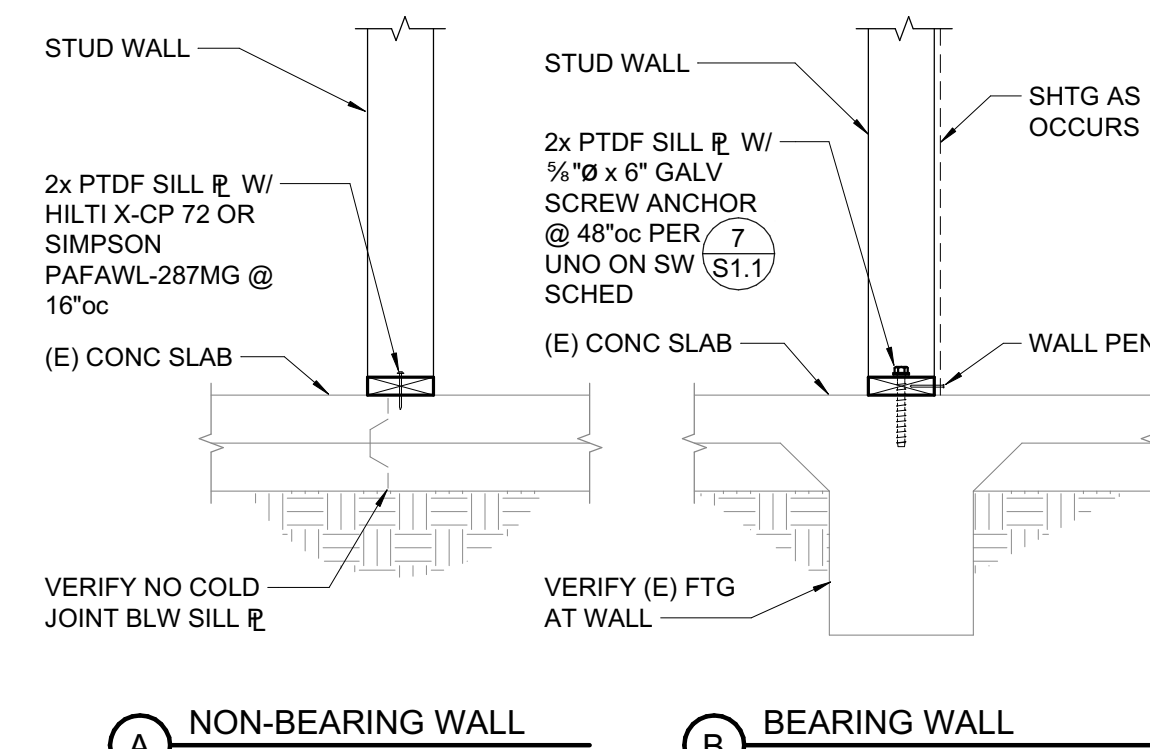
NOTES:

- EXCEPT AT EXTERIOR EXPOSURE CONDITIONS, PROVIDE CARBON STEEL ANCHORS UNO. INSTALL SCREW ANCHORS PER MANUFACTURER'S INFORMATION AND ICC REPORT INSTRUCTIONS. SPECIAL INSPECTION IS REQUIRED PER SECTION 1705 OF THE CBC AND THE REQUIREMENTS OF THE ICC REPORTS. INSTALLED ANCHORS SHALL BRING CONNECTED PILES INTO FIRM CONTACT, MEETING THE INSTALL TORQUE BUT NOT EXCEEDING THE MAXIMUM INSTALL TORQUE.
- CONTRACTOR TO VERIFY MINIMUM EDGE DISTANCES, SPACING AND THICKNESS ARE IN ACCORDANCE W/ SCHEDULE PRIOR TO INSTALLING ANCHOR.
- HOLES TO BE DRILLED W/ ROTARY DRILL ONLY. WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. MAINTAIN 1" CLEARANCE BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR. FILL ABANDONED HOLES W/ HIGH STRENGTH GROUT.
- THE SPECIAL INSPECTOR SHALL PERFORM PERIODIC/CONTINUOUS INSPECTION IN ACCORDANCE WITH TABLE 1705.3. THE SPECIAL INSPECTOR SHALL INSPECT ANCHOR TYPE, ANCHOR DIMENSIONS, HOLE CLEANLINESS, EMBEDMENT DEPTH, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, DRILL BIT DIAMETER, HOLE DEPTH, EDGE DISTANCE(S), ANCHOR SPACING(S), CONCRETE THICKNESS, AND TIGHTENING TORQUE.

7 SCREW ANCHOR IN CONCRETE
3/4" = 1'-0"



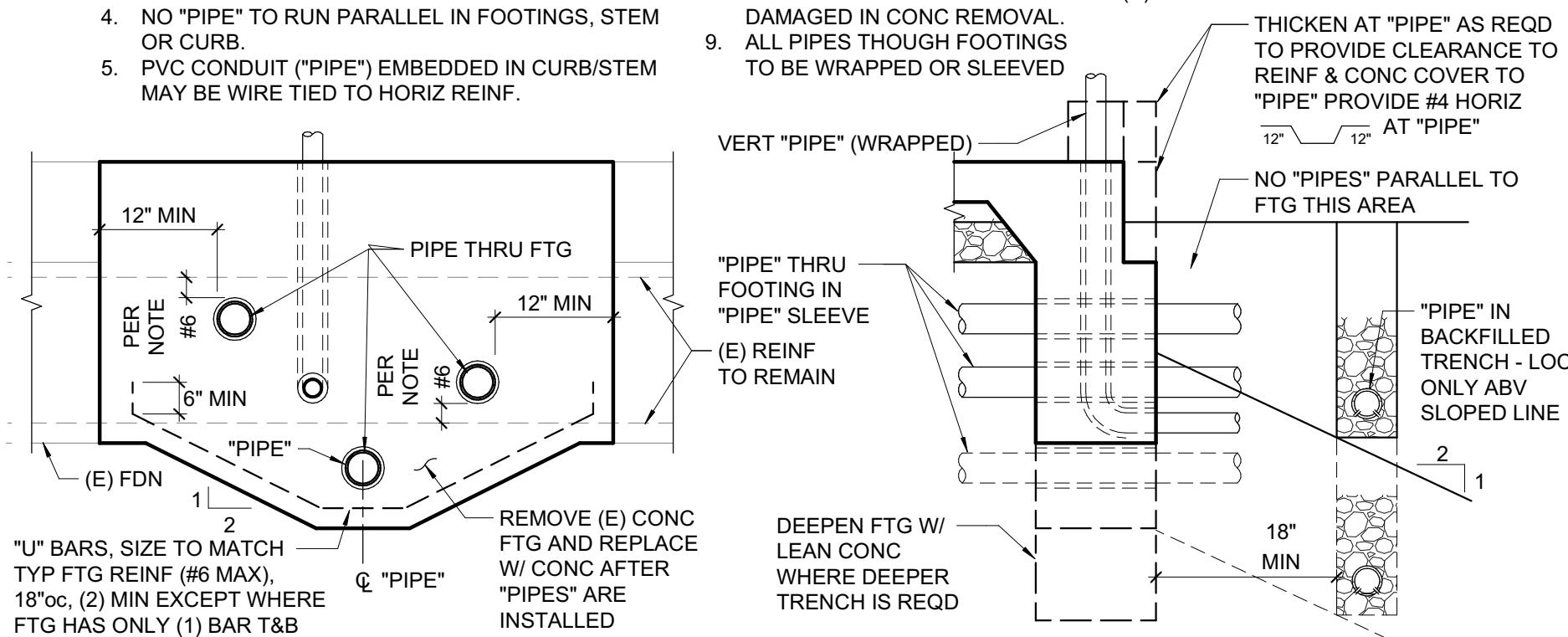
4 NEW SLAB TO EXISTING SLAB
3/4" = 1'-0"



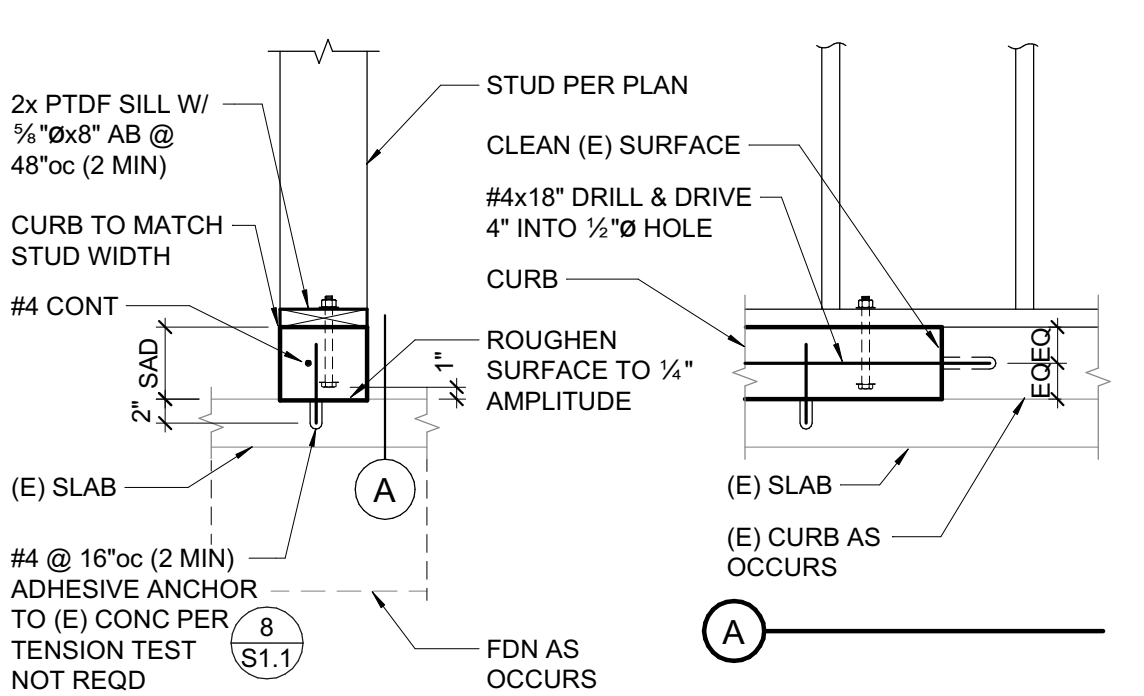
5 NON BEARING & BEARING WALLS AT (E) SLAB/FOOTING
3/4" = 1'-0"

NOTES:

- "PIPE" = ANY PENETRATION THROUGH OR EMBEDDED IN FOUNDATION STRUCTURE.
- "PIPE" EMBEDDED IN CONC TO BE PROVIDED W/ FLEXIBLE COUPLINGS AT ENTRY/EXIT POINTS.
- SLEEVES SHALL BE PVC, ID TO BE 2" LARGER THAN PIPE OD.
- NO "PIPE" TO RUN PARALLEL IN FOOTINGS, STEM OR CURB.
- PVC CONDUIT ("PIPE") EMBEDDED IN CURB/STEM MAY BE WIRE TIED TO HORIZ REINF.
- WRAPPED PIPES SHALL HAVE 1 1/2" CLEAR FROM WRAPPING TO REINF. SLEEVED PIPES SHALL HAVE 1 1/2" MINIMUM CLEAR TO REINF. WRAP W/ 1/2" FOAM SHEET (8) LAYERS MINIMUM. CONCRETE COVER TO BE 1" MINIMUM.
- CLEARANCE BETWEEN "PIPES" TO BE 3" MIN TYP.
- NOTIFY ENGINEER FOR REPAIRS IF (E) REINF STEEL IS DAMAGED IN CONC REMOVAL.
- ALL PIPES THROUGH FOOTINGS TO BE WRAPPED OR SLEEVED



6 TYPICAL PIPE THROUGH FOOTING
3/4" = 1'-0"



9 NEW CURB AT EXISTING SLAB
3/4" = 1'-0"

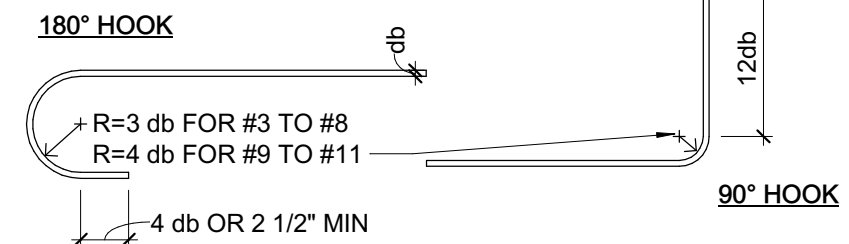
MINIMUM BAR LAPS FOR REINFORCING STEEL CONCRETE STRENGTH: 2500 PSI OR GREATER (STAGGER SPLICES)					
SIZE	LAP LENGTH	SIZE	LAP LENGTH	SIZE	LAP LENGTH
#3	19"	#6	38"	#9	94"
#4	25"	#7	61"	#10	115"
#5	37"*	#8	77"	#11	138"

(CLASS B TOP BAR)
BAR SPCG SHALL NOT BE LESS THAN 4x BAR DIA OR 4".
* WHERE COVER NOT LESS THAN 1 1/2", #5 LAP LENGTH = 31"

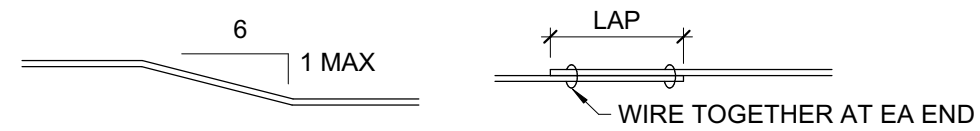
CONC COVER FOR REINF STL 'CLR'

- CAST AGAINST EARTH OR GR 3"
- EXPOSED TO EARTH (FORMED) OR WEATHER
#5 & SMALLER 1 1/2"
#6 & LARGER 2"
- NOT EXPOSED TO EARTH OR WEATHER
#5 & SMALLER 1"
#6 & LARGER, & ALL BM STIRRUPS, COL TIES & SPIRALS 1 1/2"

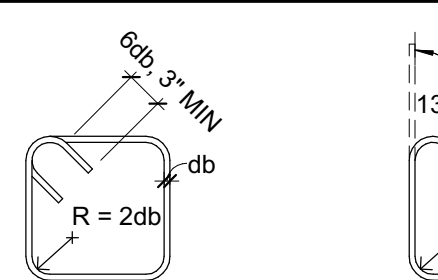
ALL REINF SHALL EXTEND AS FAR AS POSSIBLE. WHERE BAR SPLICES ARE REQUIRED, BARS SHALL BE LAPPED PER SCHEDULE ABOVE UNLESS DETAILED OTHERWISE. WHERE REINF TERMINATES AT END OF MEMBER, REINF SHALL END IN A STD 90° OR 180° HK UNLESS DETAILED OTHERWISE.



STANDARD HOOKS & BENDS



COL BAR & STRUCT OFFSET

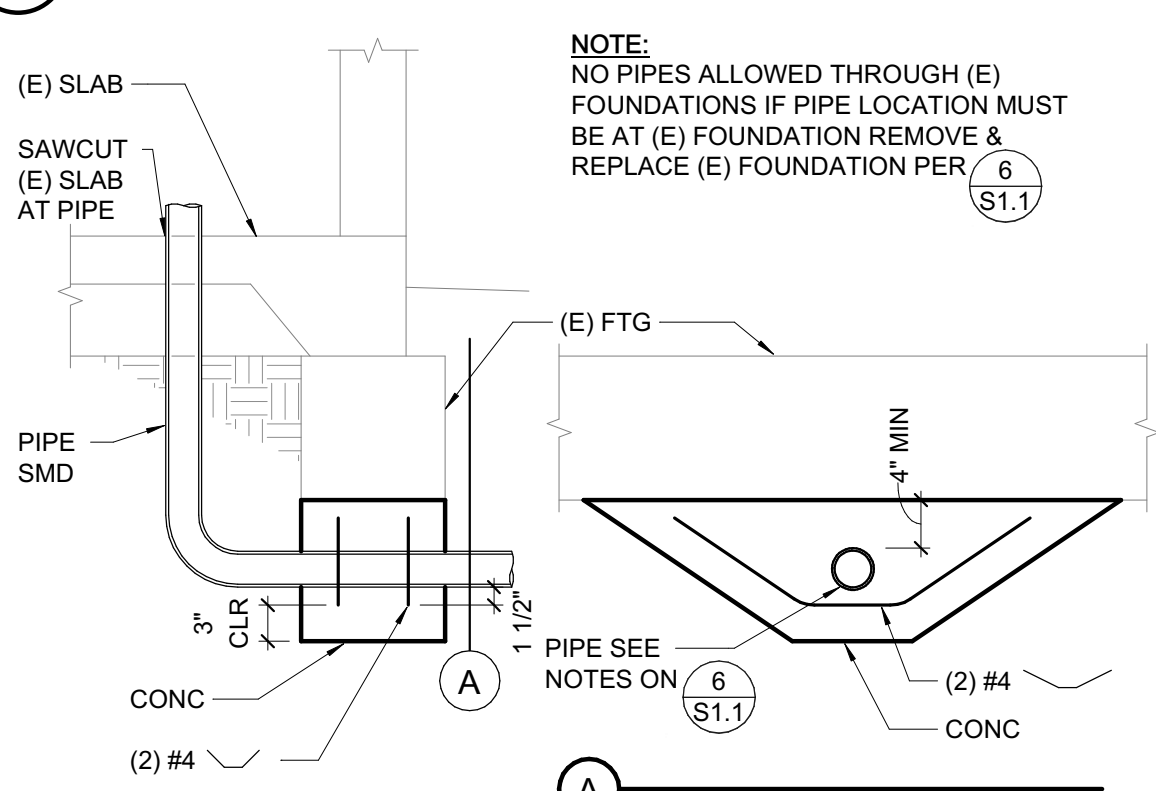


135° STIRRUP TIES #3, #4, #5

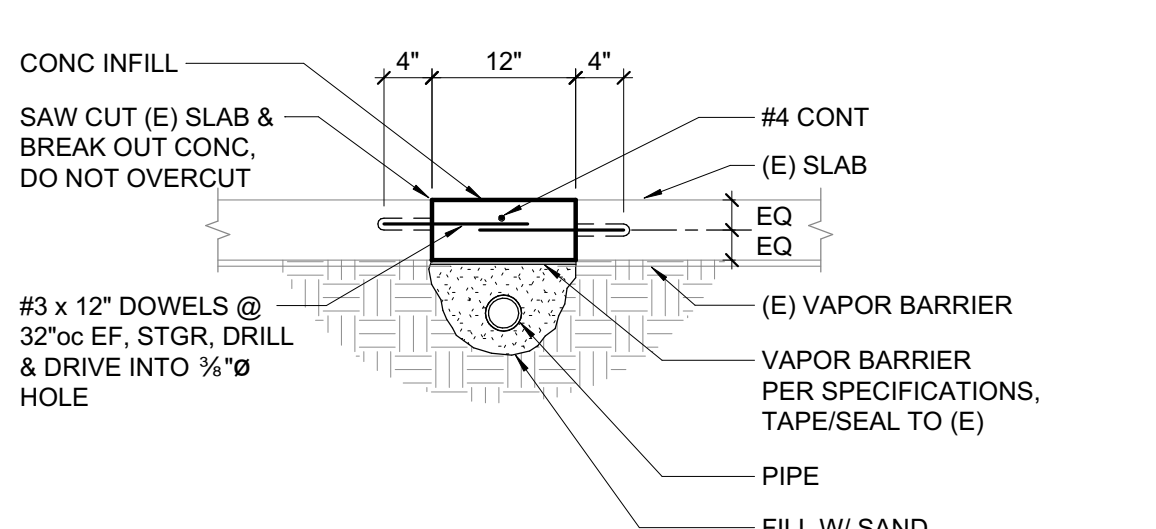
STIRRUP #3, #4, #5

CROSSTIE #3, #4, #5

1 TYPICAL REINFORCING DETAILS (f'c = 2500psi MIN)
3/4" = 1'-0"



2 NEW PIPE AT EXISTING FOUNDATION
3/4" = 1'-0"



3 NEW PIPE AT EXISTING SLAB
3/4" = 1'-0"



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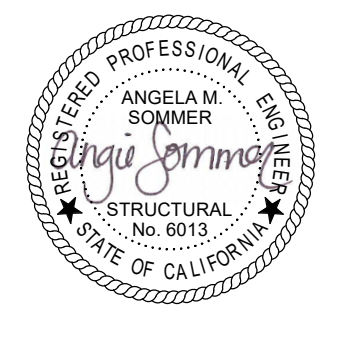
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DATE	DESCRIPTION

SHEET TITLE

TYPICAL CONCRETE DETAILS

SHEET NUMBER

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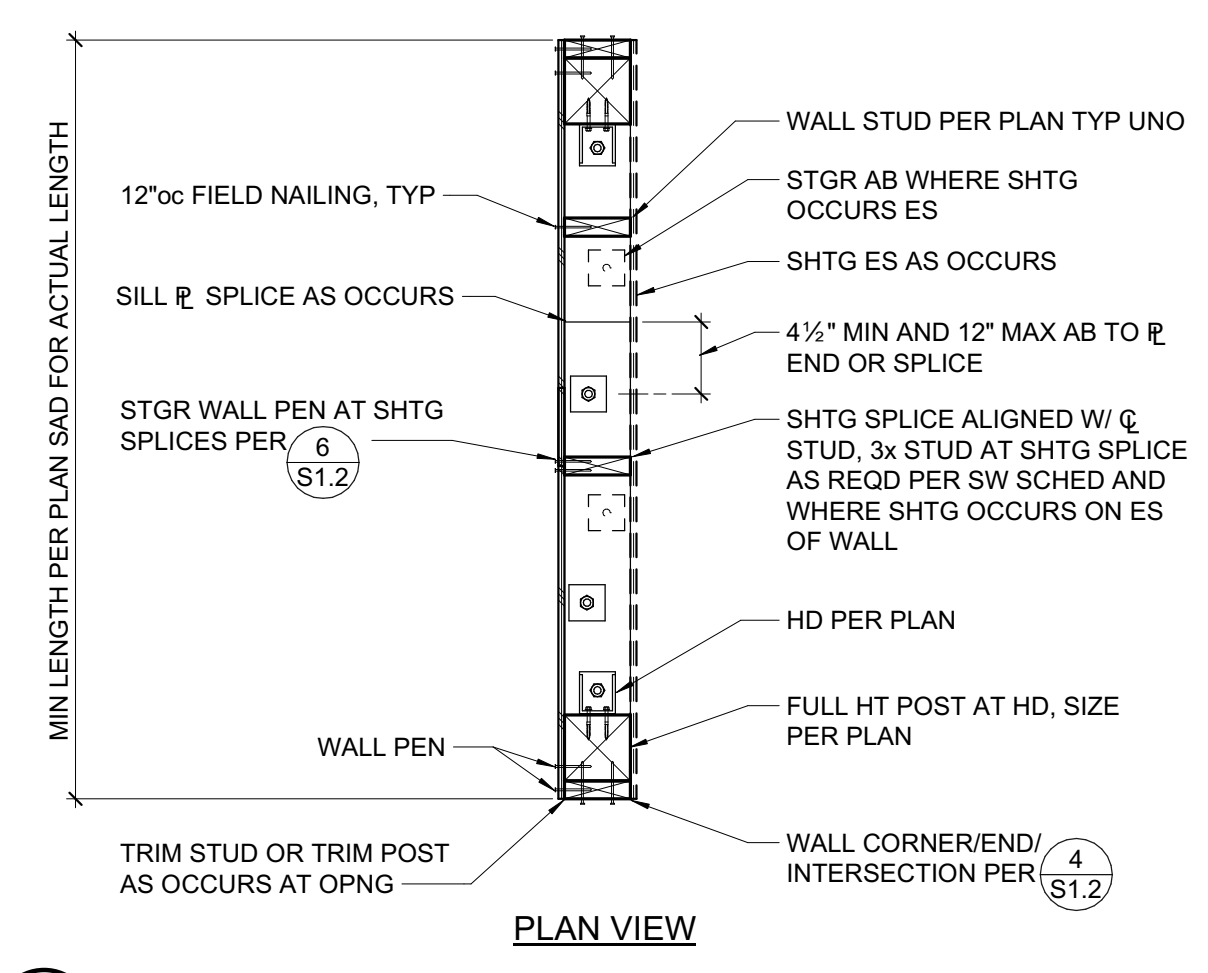
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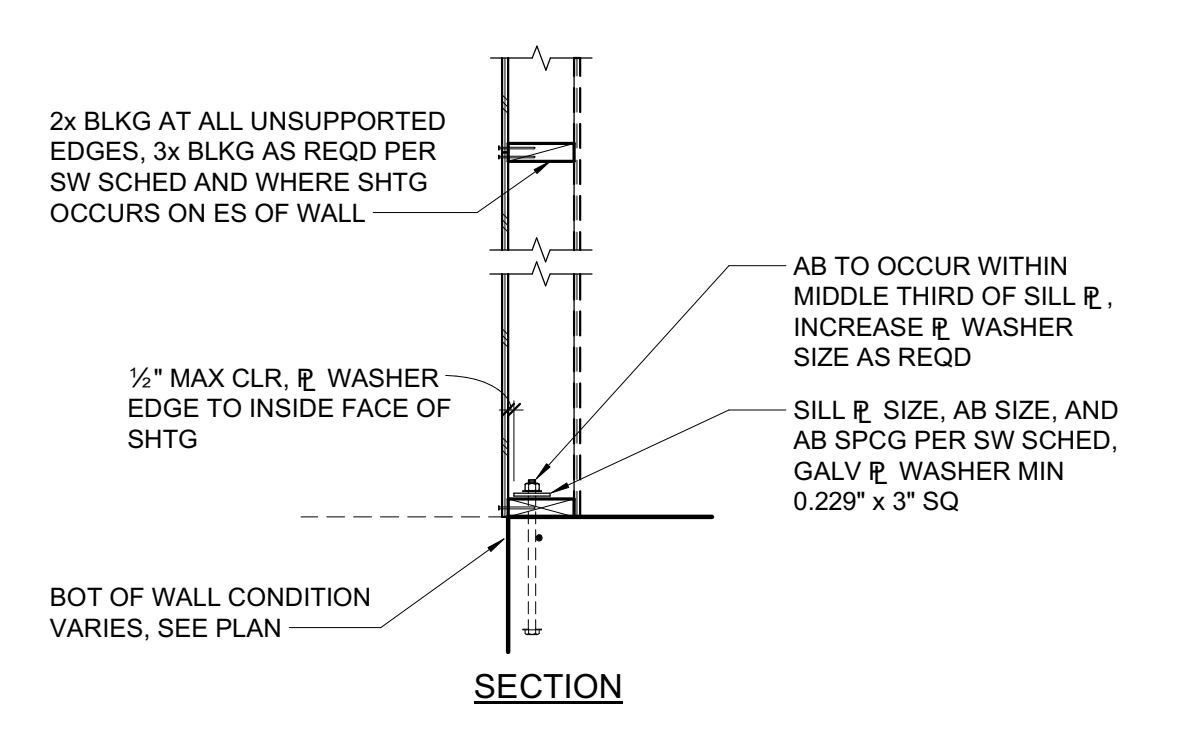
TYPICAL WOOD DETAILS

SHEET NUMBER

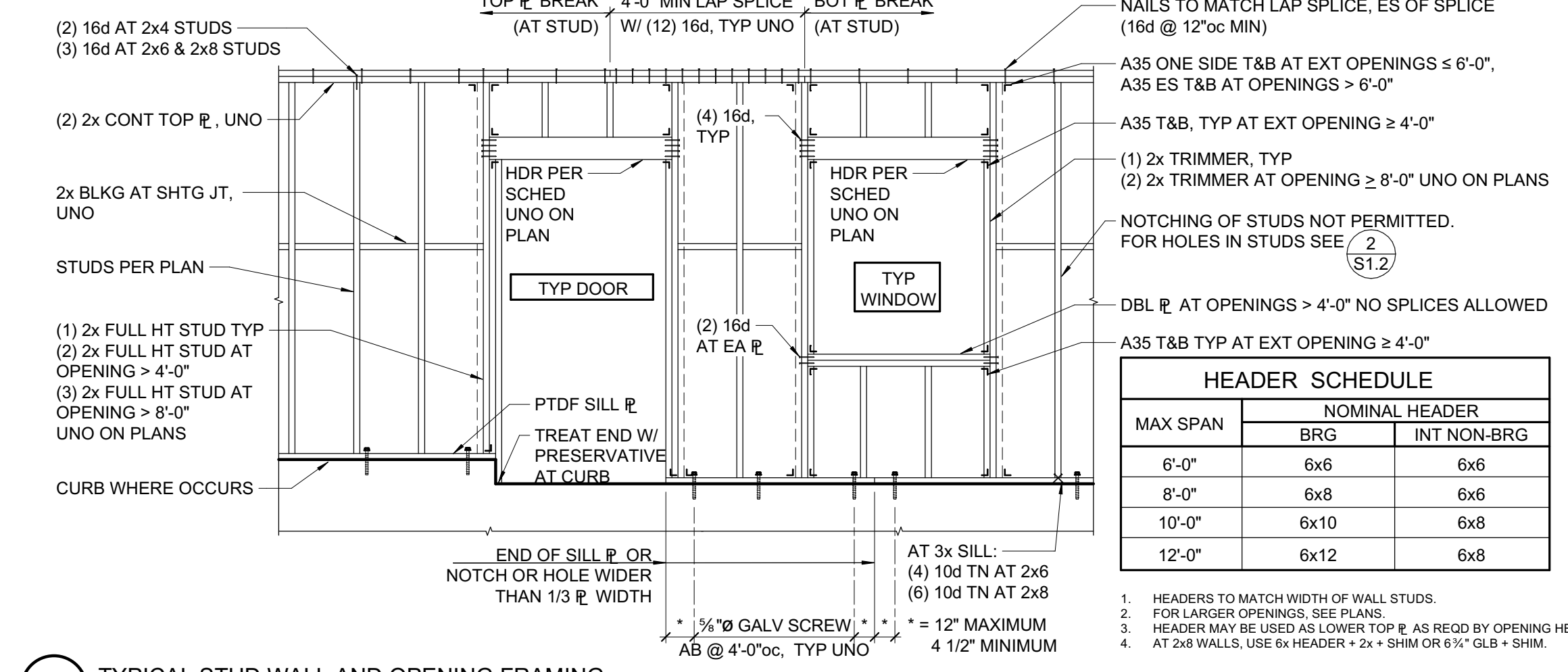
S1.2



5 SCHEMATIC SHEAR WALL CONSTRUCTION
3/4" = 1'-0"



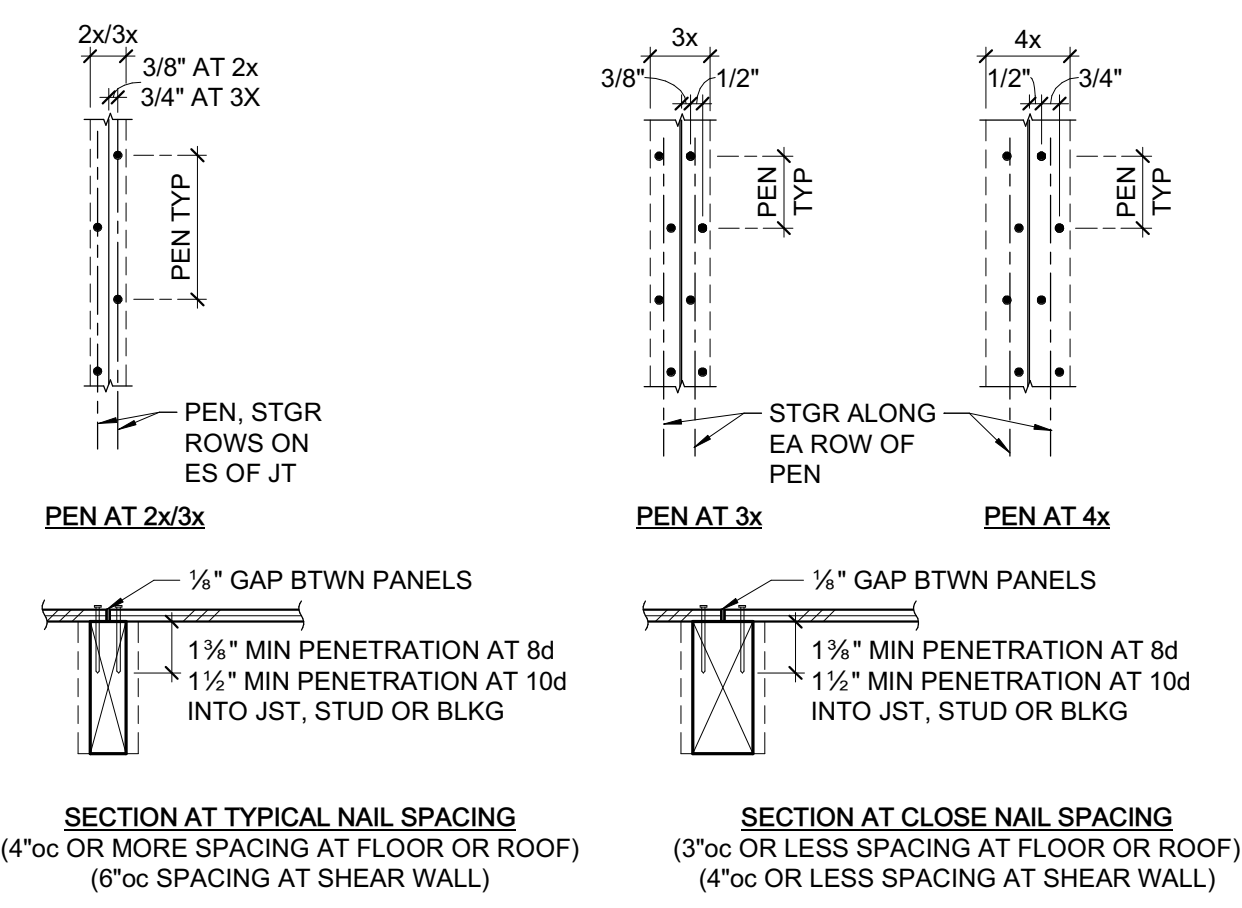
NOTES:
1. PEN = PLYWOOD/OSB EDGE NAILING PER SW SCHED.
2. SILL PL AB WASHER HOLE MAY BE OVERSIZED UP TO 3/16\"/>



1 TYPICAL STUD WALL AND OPENING FRAMING
3/8" = 1'-0"

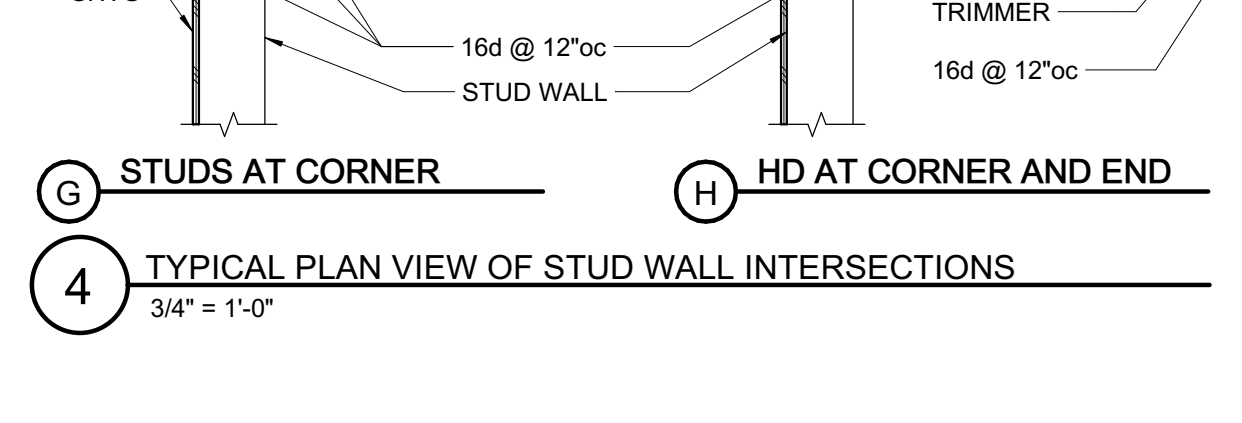
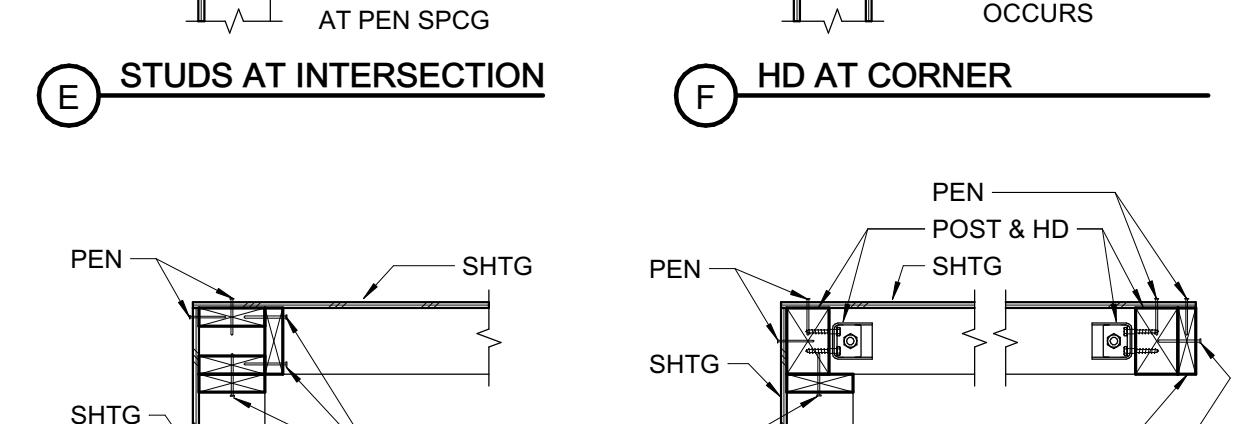
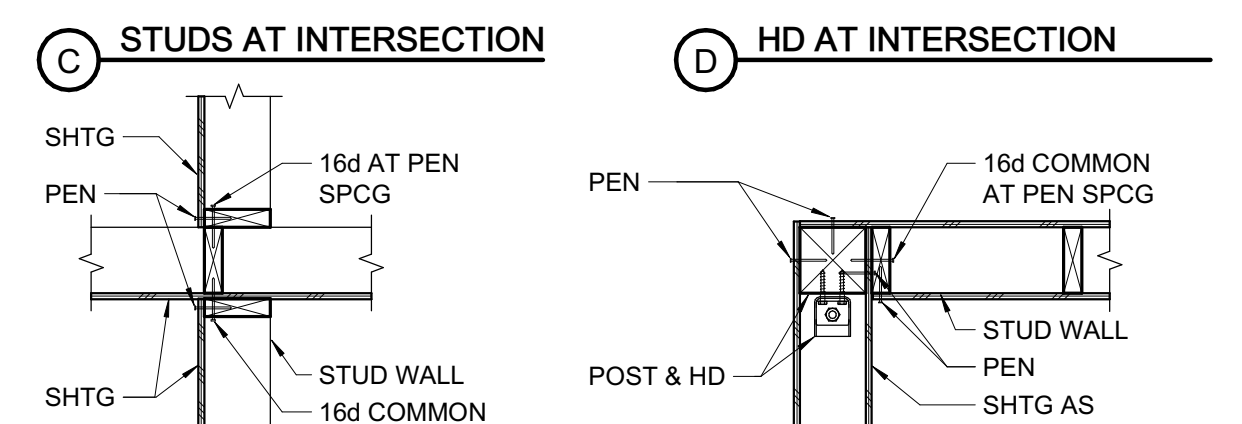
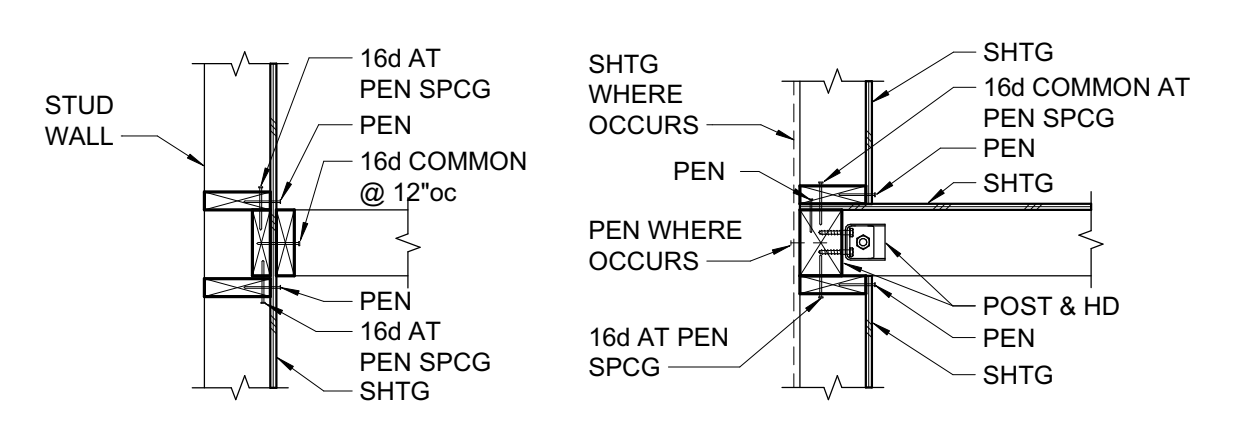
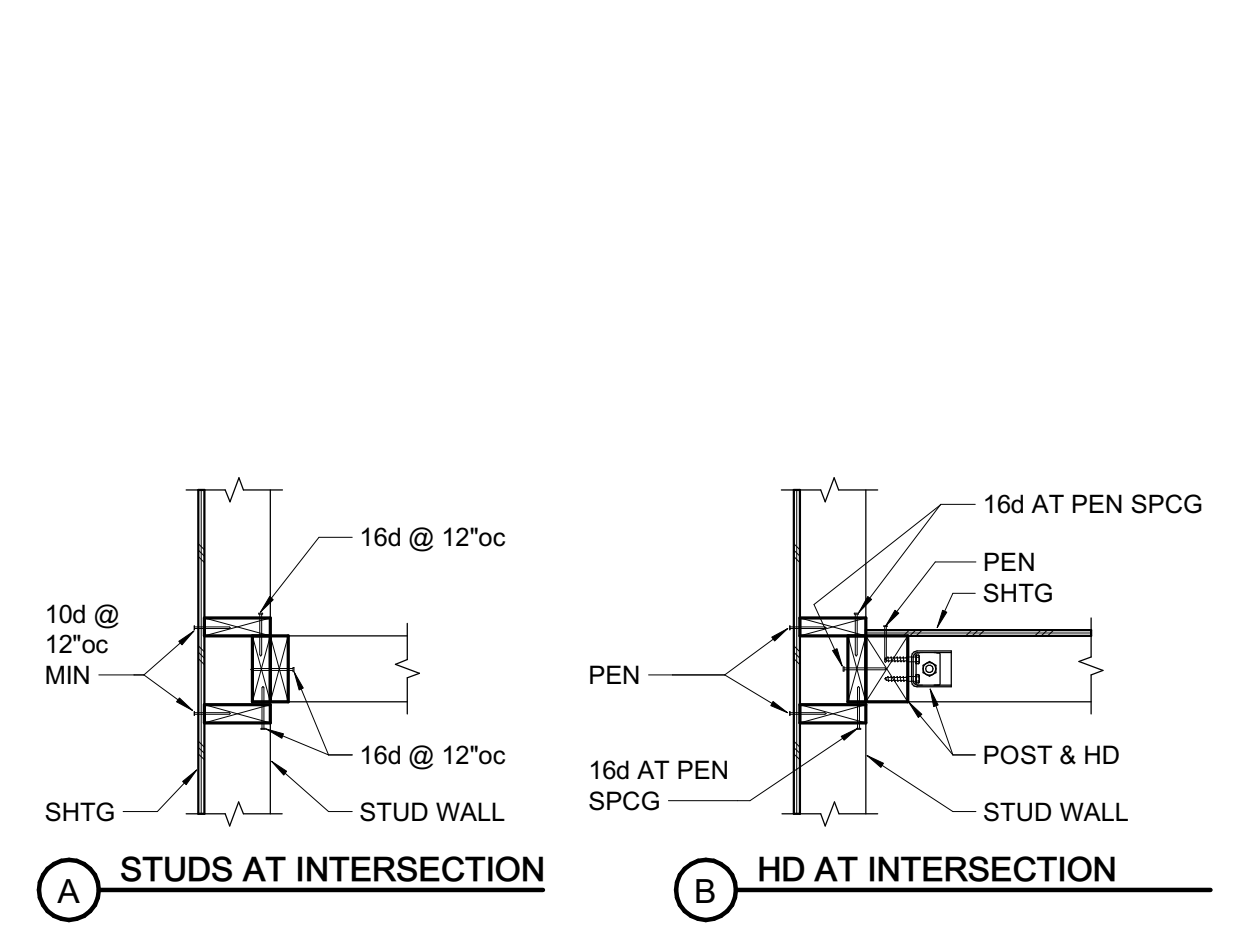
MAX SPAN	NOMINAL HEADER	
	BRG	INT NON-BRG
6'-0"	6x6	6x6
8'-0"	6x8	6x6
10'-0"	6x10	6x8
12'-0"	6x12	6x8

- HEADERS TO MATCH WIDTH OF WALL STUDS.
- FOR LARGER OPENINGS, SEE PLANS.
- HEADER MAY BE USED AS LOWER TOP PL AS REQD BY OPENING HEIGHT.
- AT 2x8 WALLS, USE 6x HEADER + 2x + SHIM OR 6x + GLB + SHIM.

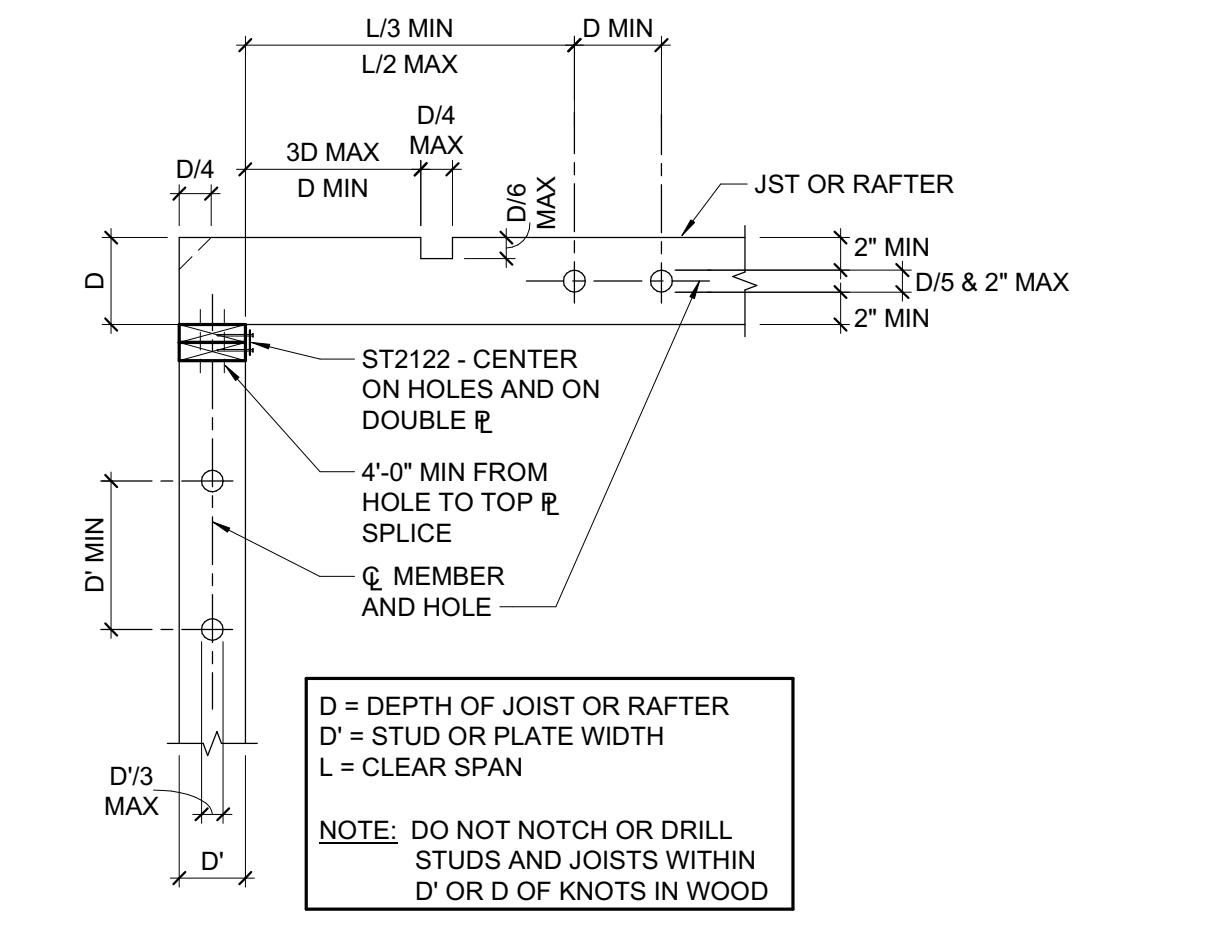


NOTE:
SHEATHING SHEETS ARE TO BE AS LARGE AS POSSIBLE. STAGGER SHEETS. JOINTS ARE TO BE CENTERED OVER BEARING. NAIL HEADS SHALL BE DRIVEN FLUSH W/ SHEATHING. MINIMUM SHEATHING SIZE IS 24\"/>

6 SHEATHING NAILING
1 1/2" = 1'-0"



4 TYPICAL PLAN VIEW OF STUD WALL INTERSECTIONS
3/4" = 1'-0"



2 HOLES AND NOTCHES IN WOOD STUDS, JOISTS, AND PLATES
3/4" = 1'-0"

RIM JOIST/BLKG TO TOP PL, TOE NAIL	10d @ 6"oc
TRUSSES, JOISTS OR RAFTERS AT ALL BEARING POINTS TOE NAILS EACH SIDE	(2) 10d
TRUSSES, JOISTS OR RAFTERS TO SIDE OF STUDS EIGHT (8) INCH JOISTS OR LESS	(3) 16d
FOR EACH ADDITIONAL 4 INCHES OF DEPTH OF JOIST	(1) 16d
BLOCKING BETWEEN JOISTS OR RAFTERS:	
TO JOIST OR RAFTERS - TOE NAILS EA SIDE, EA END	(2) 10d
TO JOIST OR RAFTER BEARINGS - TOE NAILS EA SIDE	(2) 10d
BLOCKING BETWEEN STUDS, EACH END TOE NAILS	(2) 10d OR (2) 16d
BRIDGING TO JOIST, TOE NAIL EACH END	(2) 8d
2" SUBFLOOR TO JOIST OR GIRDER, BLIND & FACE NAIL	(2) 16d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d @ 16"oc
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS	(3) 16d @ 16"oc
TOP PLATE TO STUD, END NAIL	(2) 16d
STUD TO SOLE PLATE, TOE NAIL	(4) 8d
DOUBLE STUDS AT EXTERIOR WALLS, FACE NAIL	16d @ 12"oc
DOUBLE STUDS, FACE NAIL	16d @ 24"oc
DOUBLE TOP PLATES, FACE NAIL	16d @ 12"oc
TOP PLATES, LAPS & INTERSECTIONS, FACE NAIL	(3) 16d
CONTINUOUS HEADER, TWO PIECES	16d @ 16"oc ALONG EACH EDGE
DOUBLE TOP PLATE LAP AT CORNER	(3) 16d
CONTINUOUS HEADER TO STUD, TOE NAIL	(4) 8d
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	(3) 16d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	(3) 16d
BUILT-UP CORNER STUDS	16d @ 12"oc
POST TO SILL/SOLE/TOP PLATE, EACH SIDE TOE NAIL	(4) 10d

3 NAILING SCHEDULE
3/4" = 1'-0"

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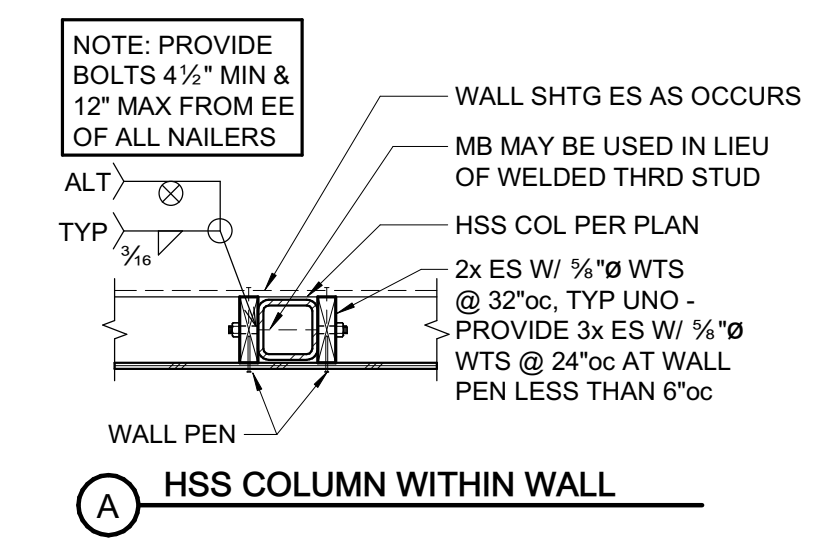
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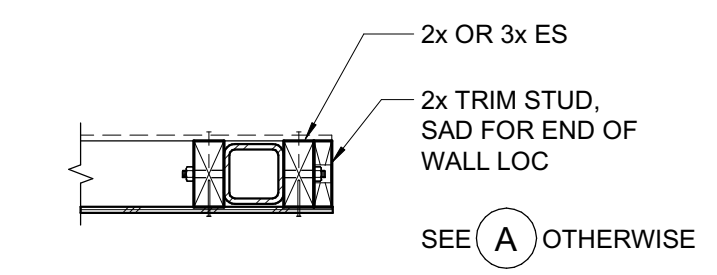
TYPICAL WOOD DETAILS

SHEET NUMBER

S1.3

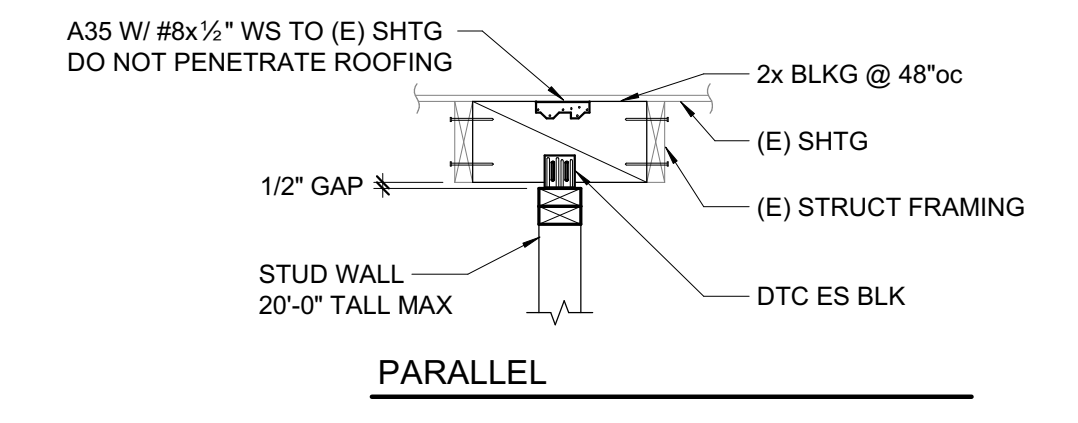
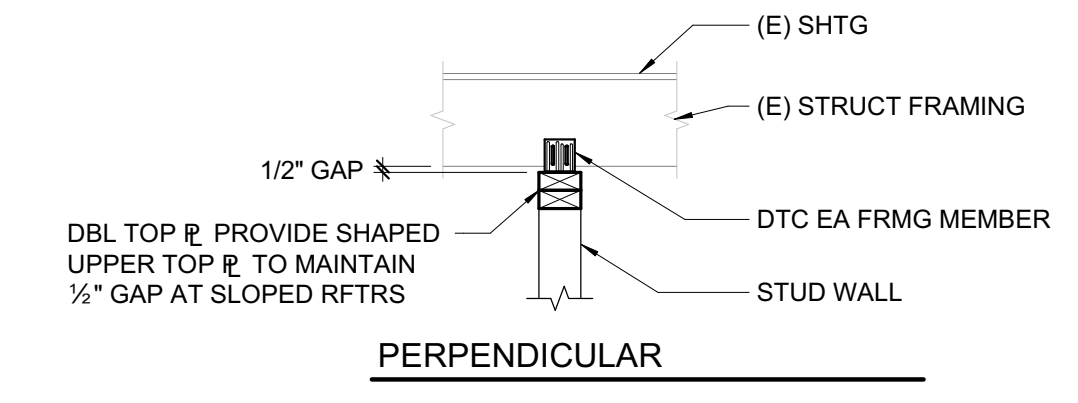


A HSS COLUMN WITHIN WALL



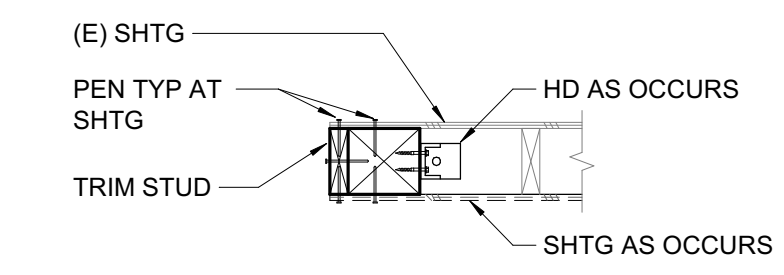
B HSS COLUMN AT END OF WALL (EDGE OF OPNG SIM)

4 TYPICAL STEEL BEAM/COLUMN NAILERS
3/4" = 1'-0"

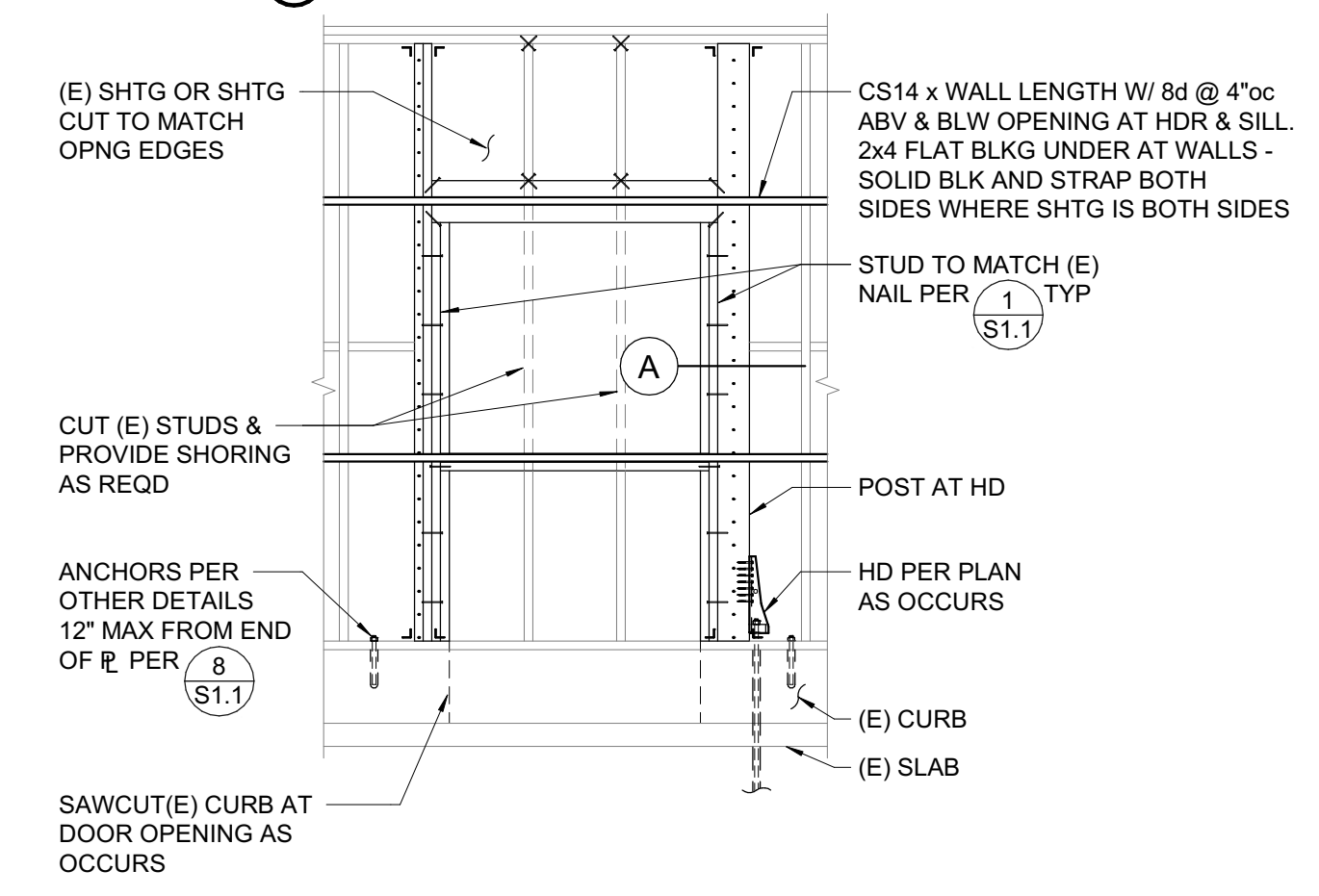


NOTE:
INSTALL SLOT NAILS AT C OF SLOT
W/ 1/8" GAP BTWN NAIL HEAD & CLIP

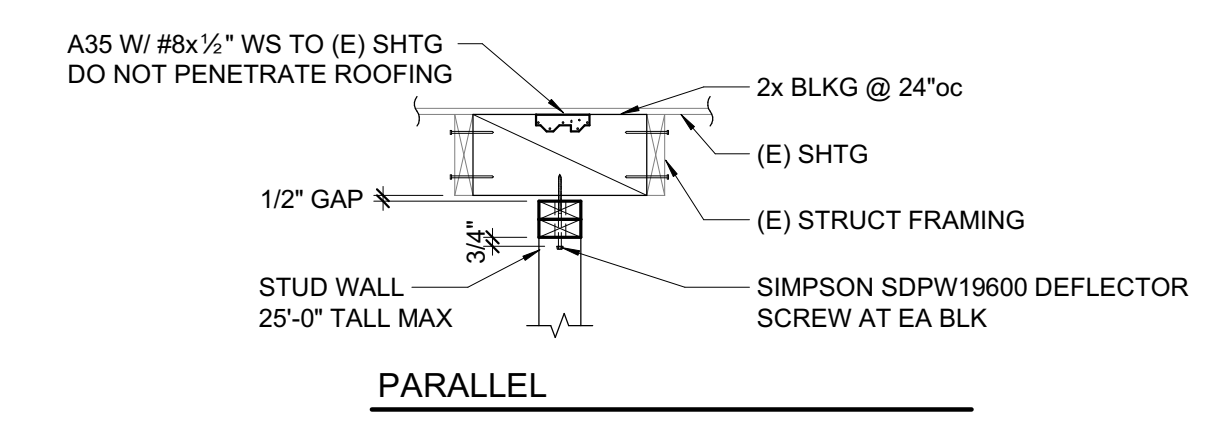
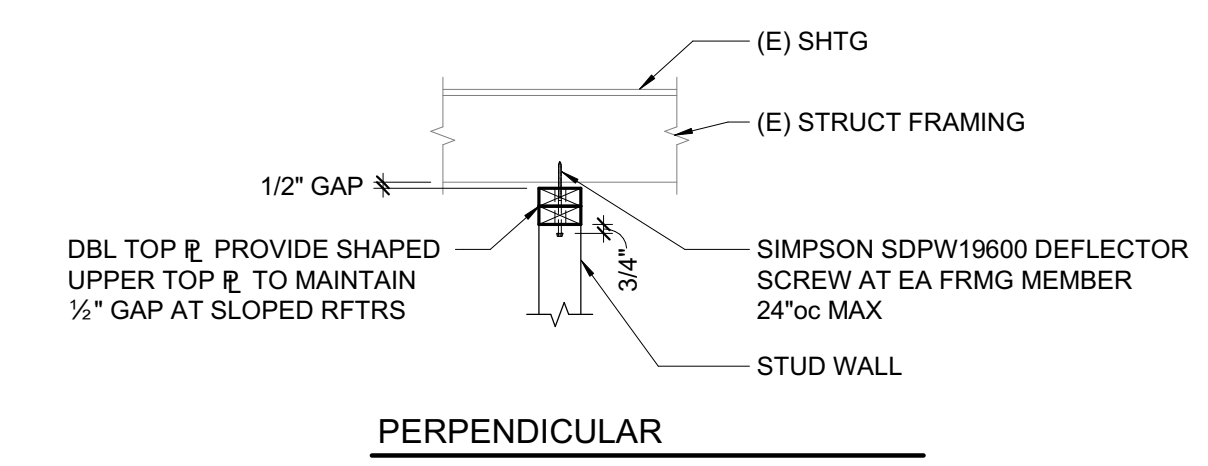
1 TYPICAL NON-BEARING STUD WALL DETAILS (20'-0" TALL MAX)
3/4" = 1'-0"



A PLAN VIEW

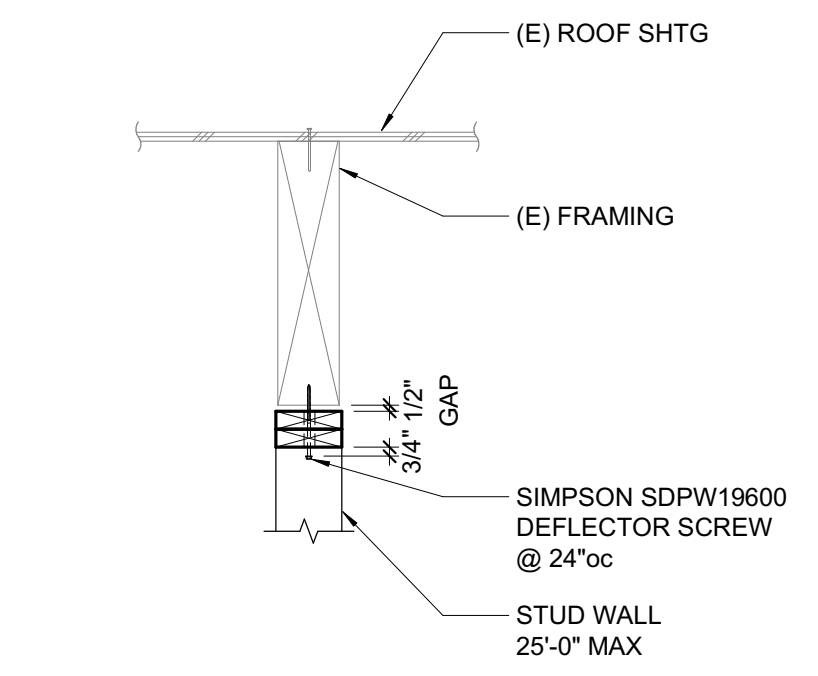


5 NEW OPENING AT EXISTING SHEAR WALL
3/8" = 1'-0"



NOTE:
INSTALL SLOT NAILS AT C OF SLOT
W/ 1/8" GAP BTWN NAIL HEAD & CLIP

2 TYPICAL NON-BEARING STUD WALL DETAILS (25'-0" TALL MAX)
3/4" = 1'-0"



3 TYPICAL NON-BEARING STUD WALL ALIGNED W/ (E) FRMG
3/4" = 1'-0"

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SHEET TITLE
FOUNDATION PLAN

SHEET NUMBER

S2.1

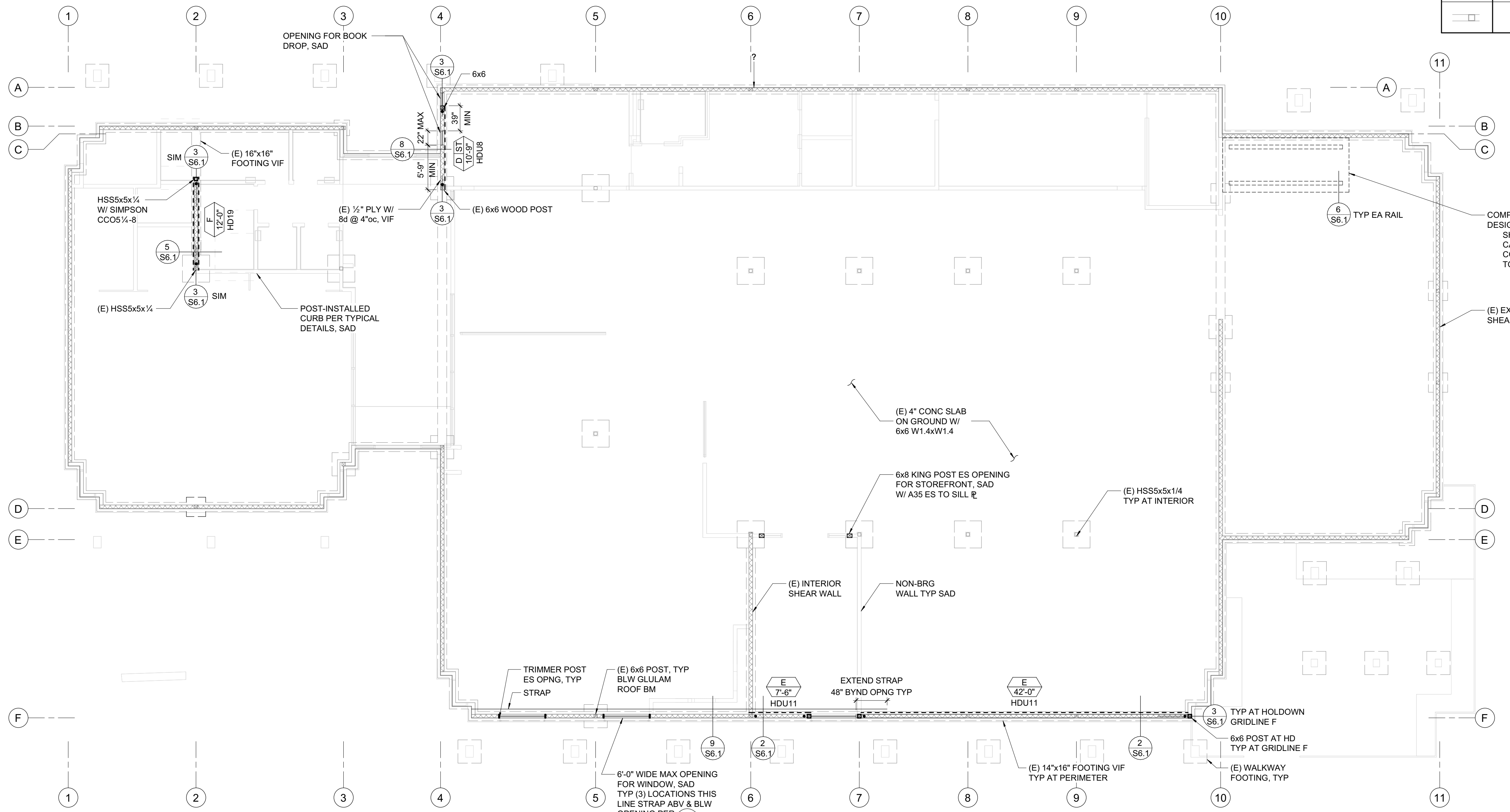
SHEAR WALL SCHEDULE							
SW	APA RATED SHEATHING	NAILING (PEN)	ANCHORAGE				REMARKS
			3/8" BOLT FDN 2x SILL	3x SILL	AT FRAMING LTP4*	A35	
(A)	NOT USED						
(B)	NOT USED						3x MIN AT ALL ADJOINING PANEL EDGES
(C)	NOT USED						
(D)	1/2" (32/16) EXP 1	8d @ 2"oc	-	24"oc	8"oc	6"oc	
(E)	1/2" (32/16) EXP 1	10d @ 2"oc	-	16"oc	6"oc	6"oc	
(F)	1/2" (32/16) EXP 1 BOTH SIDES	10d @ 3"oc	-	12"oc	8"oc EA SIDE STGR	8"oc EA SIDE STGR	

*LTP4 SHALL BE ORIENTED W/ LONG SIDE HORIZONTAL (DIRECTION "G" PER SIMPSON CATALOG)

FOUNDATION PLAN NOTES:

- REFER TO SHEETS S0.1, S1.1, S1.2 AND S1.3 FOR GENERAL NOTES AND TYPICAL DETAILS. THE FOLLOWING DETAIL REFERENCES ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. ALL GENERAL NOTES AND TYPICAL DETAIL SHEETS NOTED ABOVE ARE APPLICABLE AND SHALL BE FOLLOWED.
- COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.

PLAN LEGEND		
SYMBOL	REFERENCE DETAIL	DESCRIPTION
	1/S1.2	INDICATES STRUCTURAL WALL.
	5/S1.2	INDICATES SHEAR WALL TYPE AND MINIMUM WALL LENGTH. SYMBOL LOCATION INDICATES SHEATHED FACE OF WALL UNLESS NOTED OTHERWISE. "HDUX" INDICATES SIMPSON HOLDDOWN AT EACH END UNO.
	G/S0.1	INDICATES WOOD POST.
		INDICATES POST WITH HOLDOWN. POSTS WITH HOLDOWN ARE FULL HEIGHT FROM SILL TO TOP PLATE.
	5/S1.3	INDICATES STRAPPED SHEAR WALL WITH TYPE AND OVERALL WALL LENGTH. SEE ARCHITECTURAL DRAWINGS FOR OPENINGS. "HDUX" INDICATES SIMPSON HOLDDOWN AT EACH END UNO.
	88	INDICATES GRIDLINE.
	1/S3.1	INDICATES ELEVATION.
		INDICATES EXISTING FOUNDATION.
		INDICATES EXISTING FRAMING.



FOUNDATION PLAN
1/8" = 1'-0"

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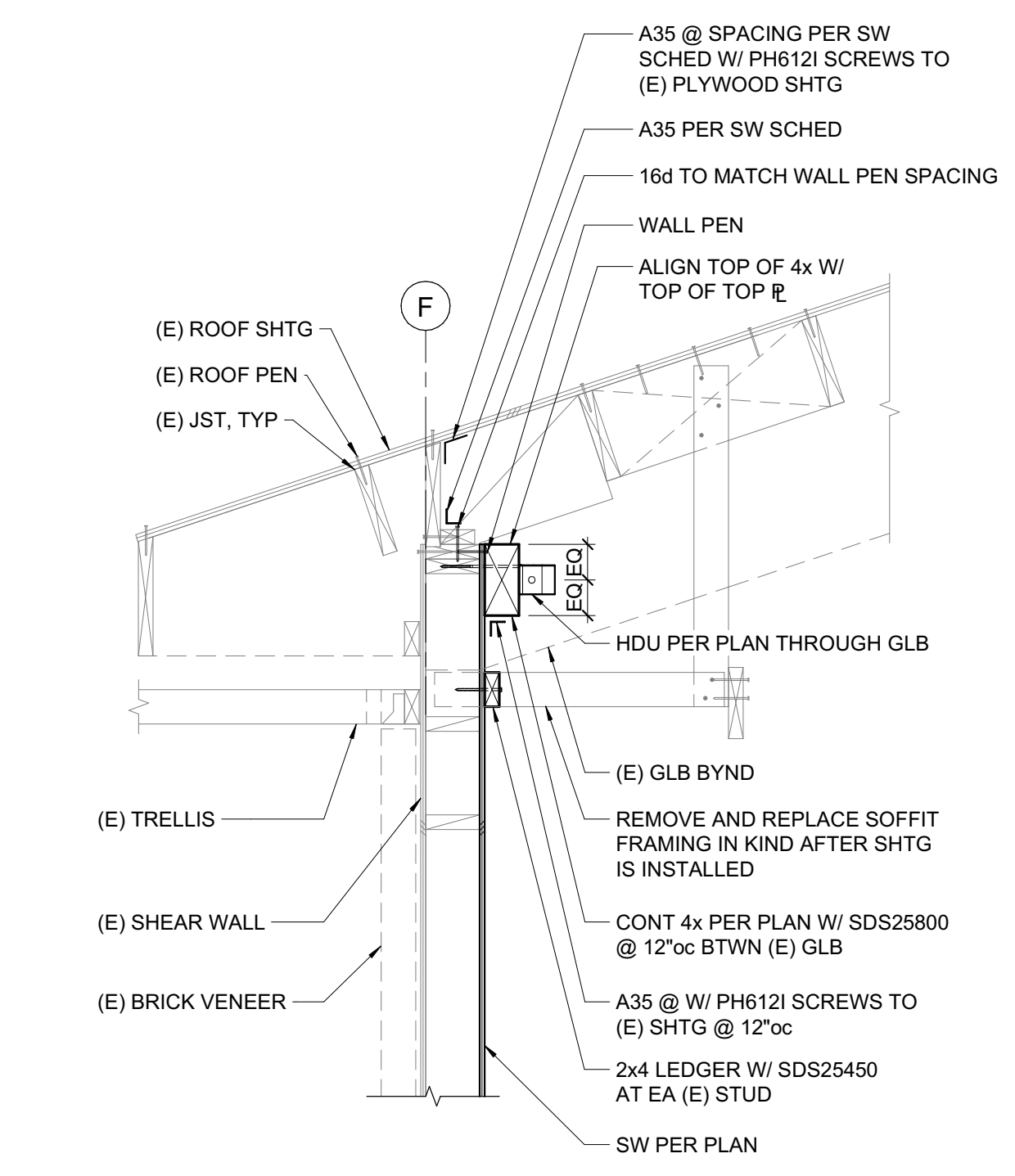
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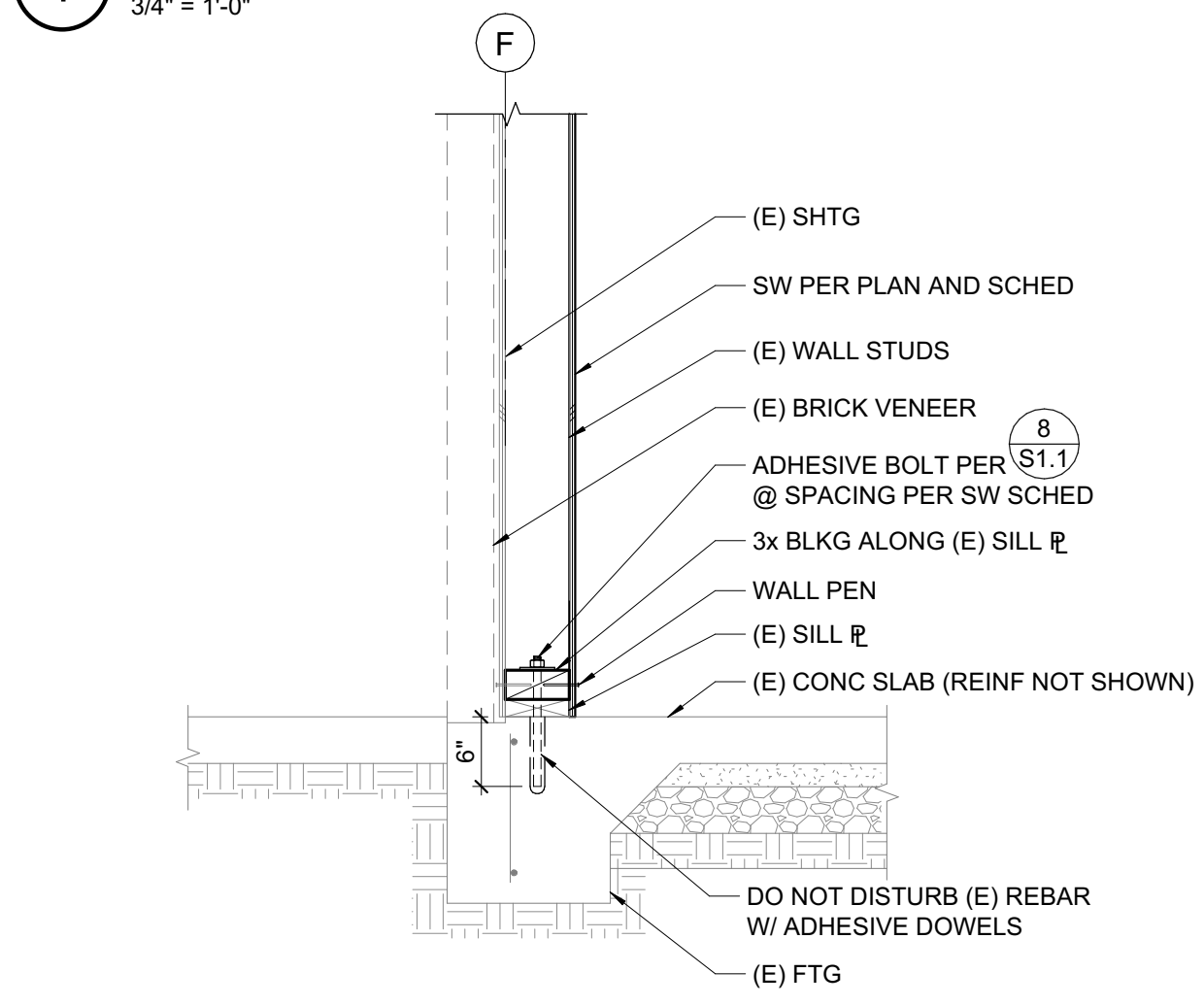
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DETAILS

SHEET NUMBER

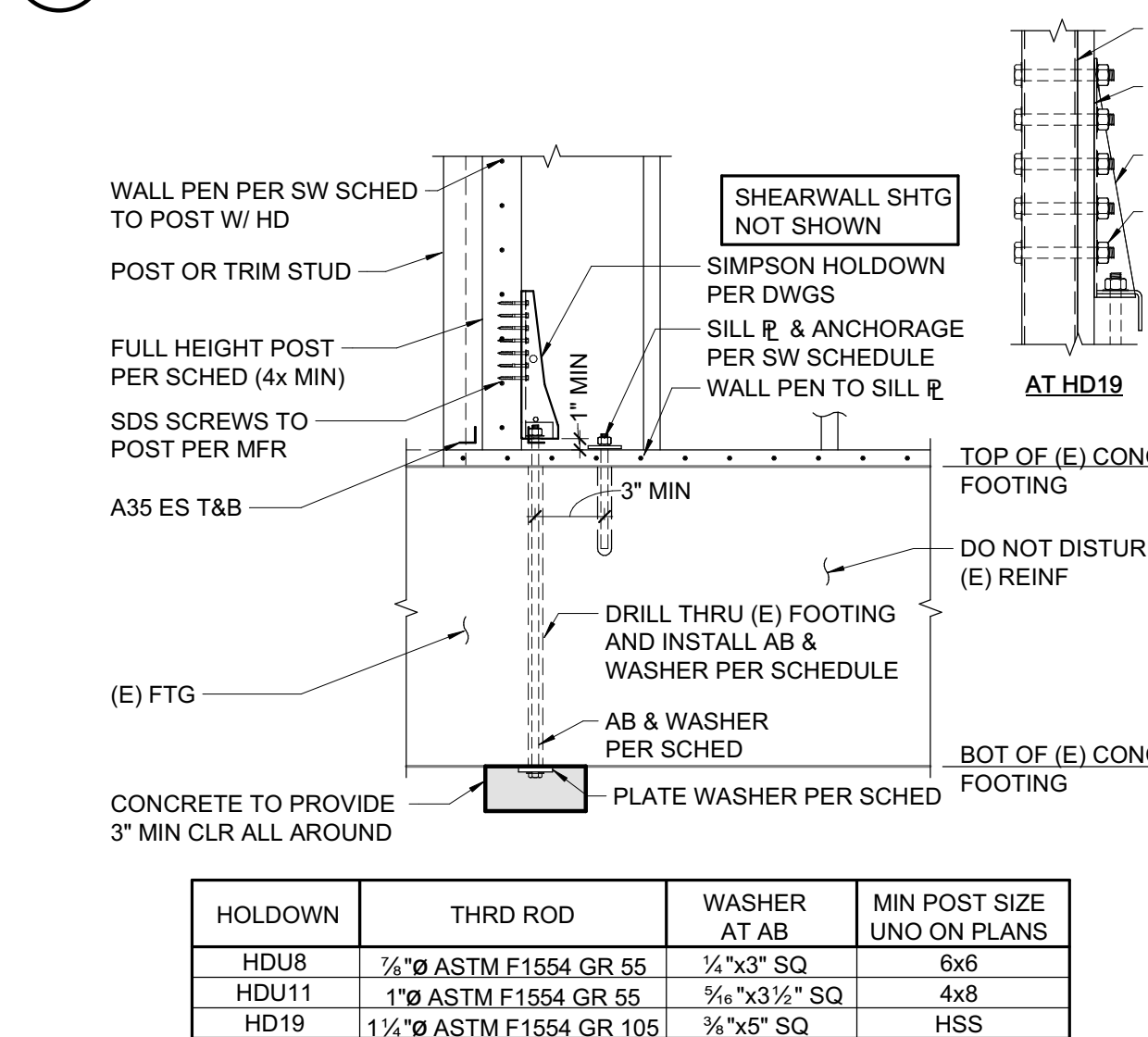
S6.1



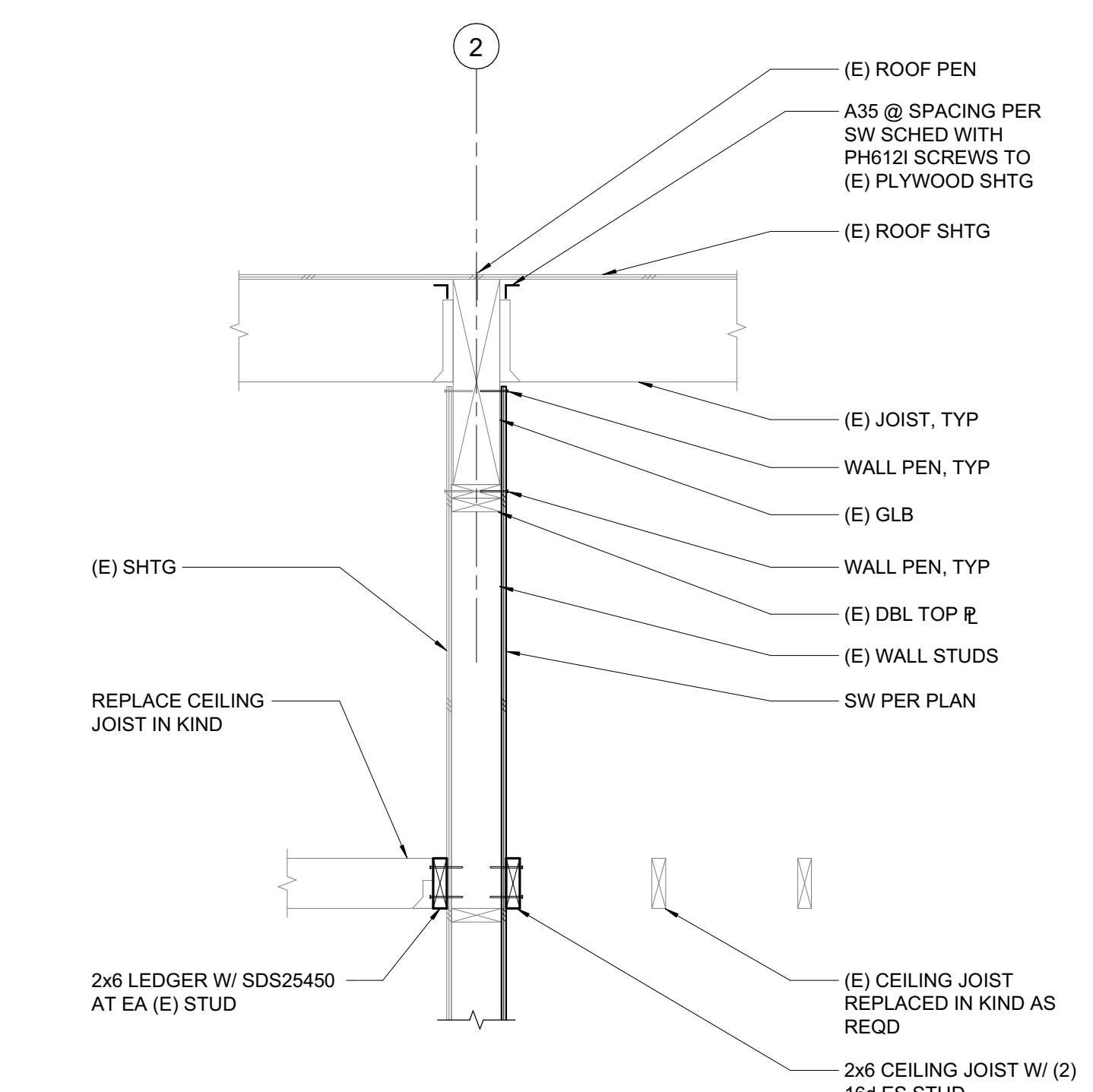
1 EXTERIOR SHEAR WALL
3/4" = 1'-0"



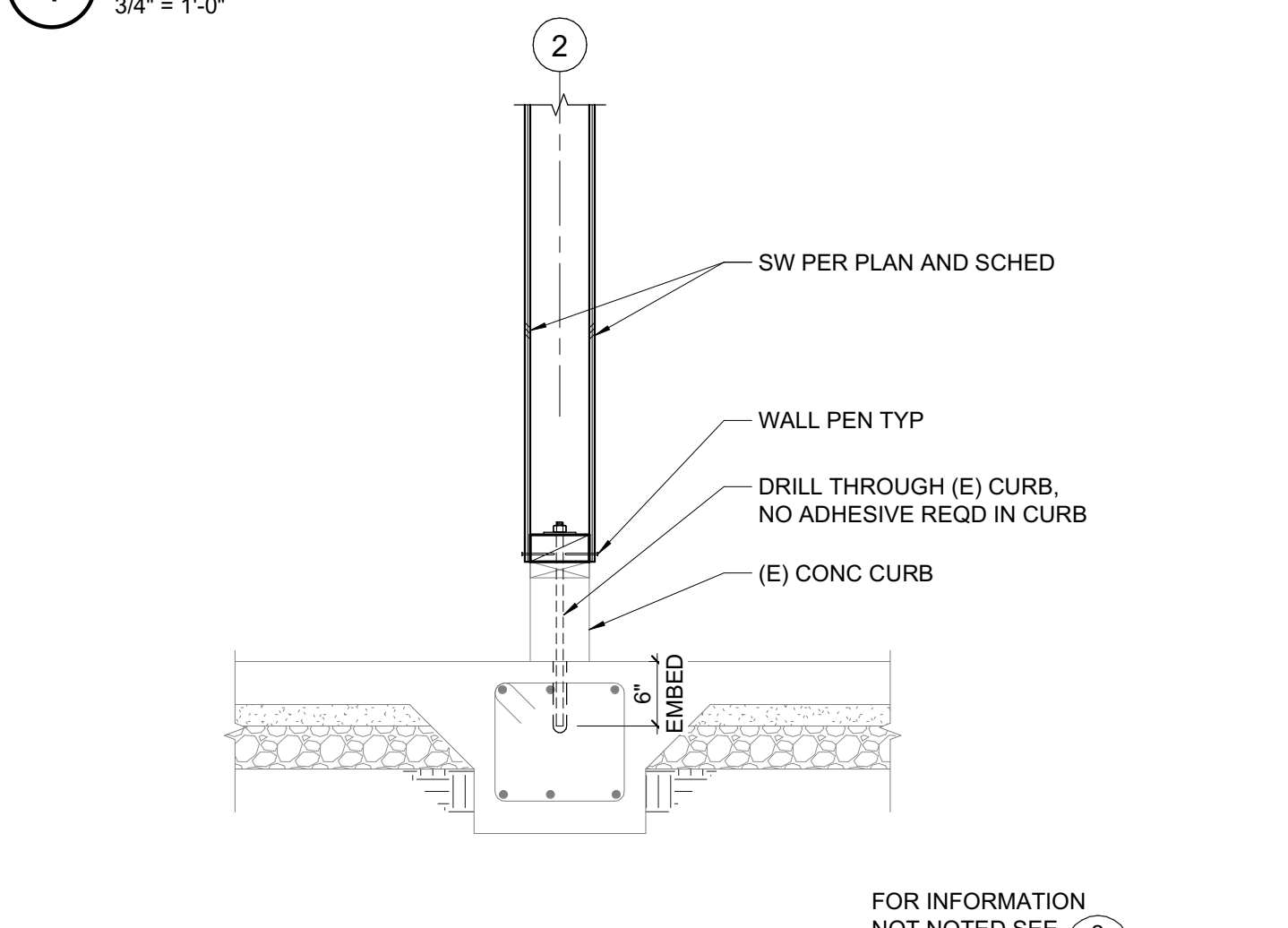
2 FOUNDATION AT EXTERIOR SHEAR WALL
3/4" = 1'-0"



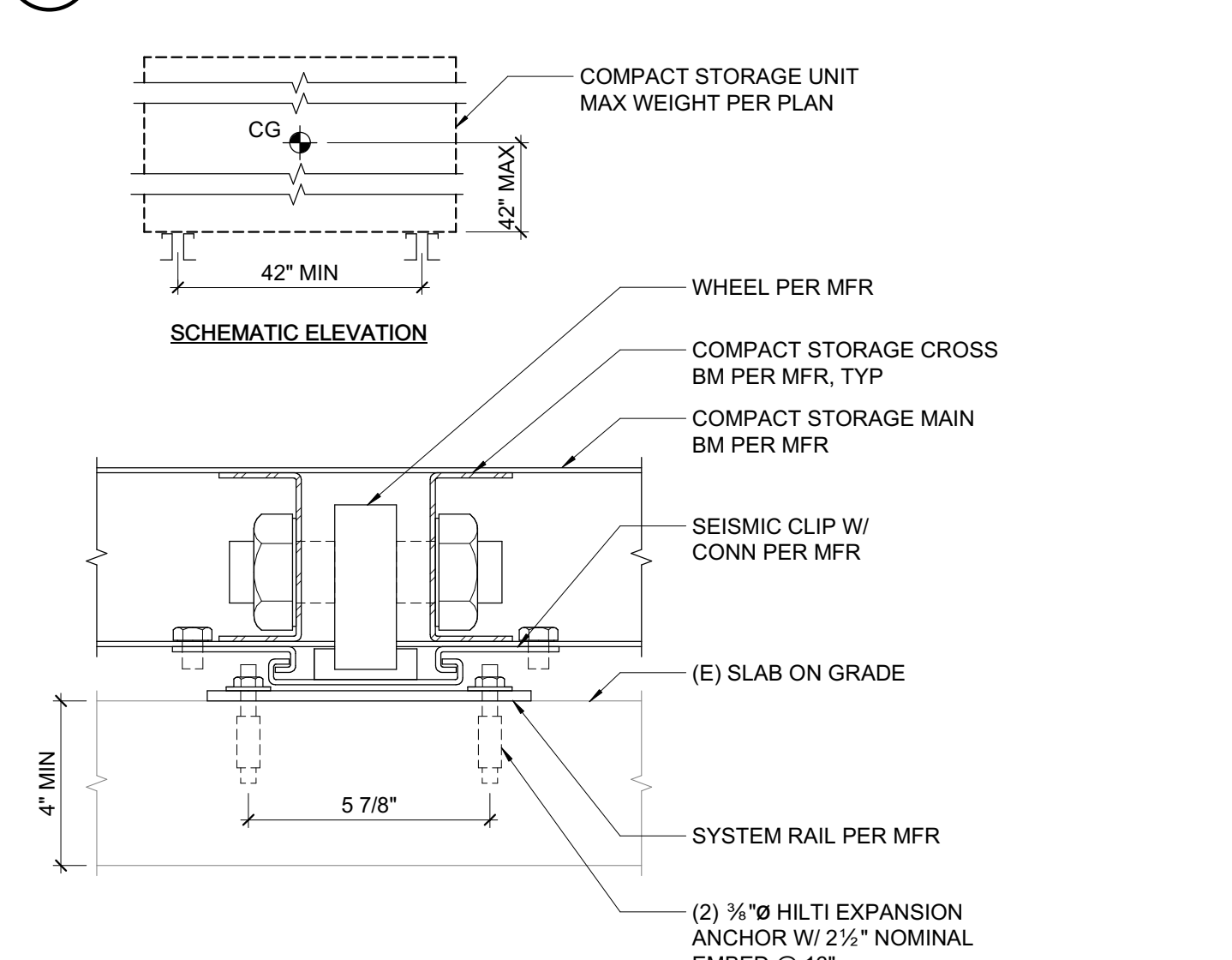
3 ANCHOR THROUGH (E) CONCRETE FOOTING
3/4" = 1'-0"



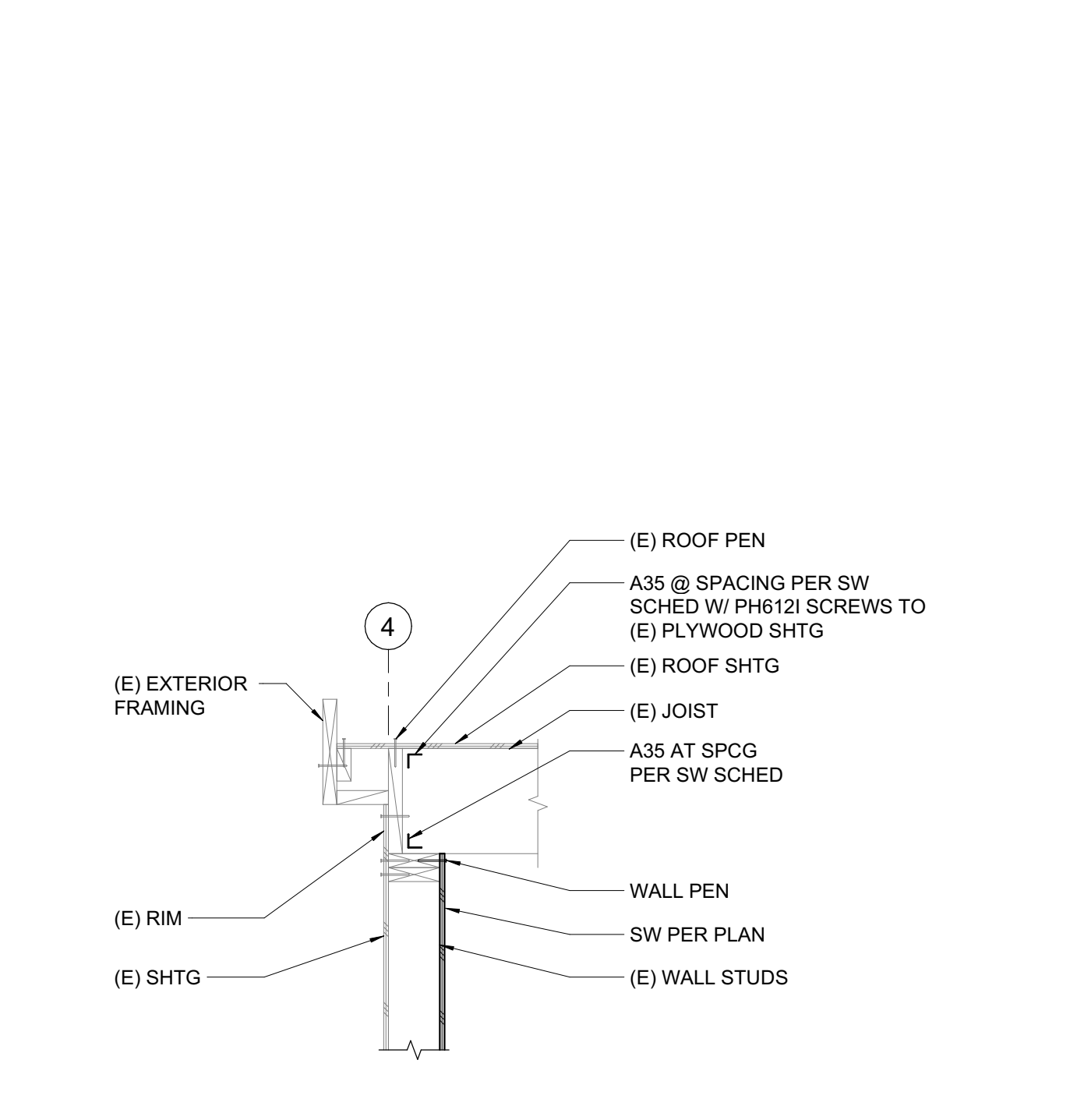
4 INTERIOR SHEAR WALL
3/4" = 1'-0"



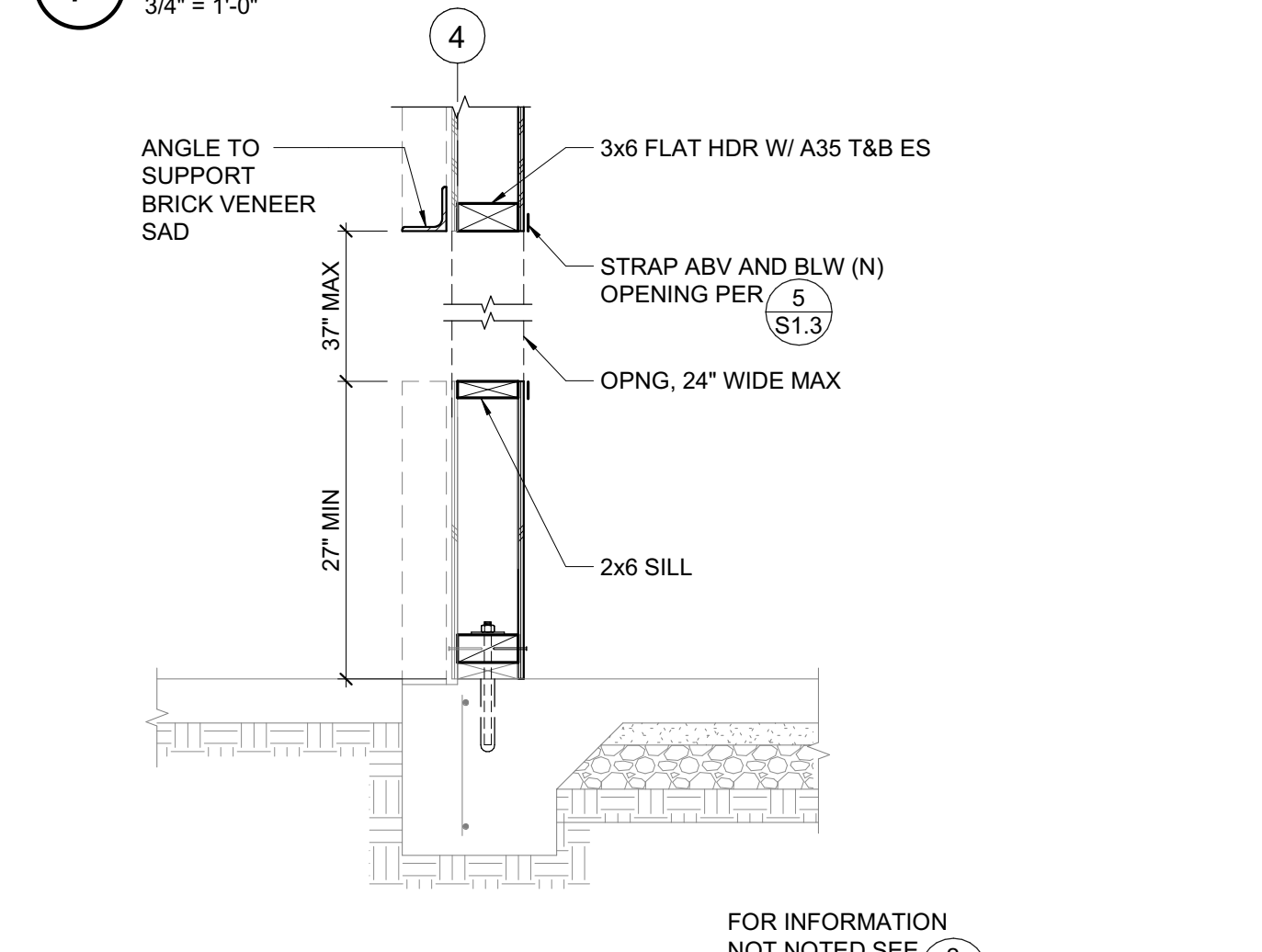
5 FOUNDATION AT INTERIOR SHEAR WALL
3/4" = 1'-0"



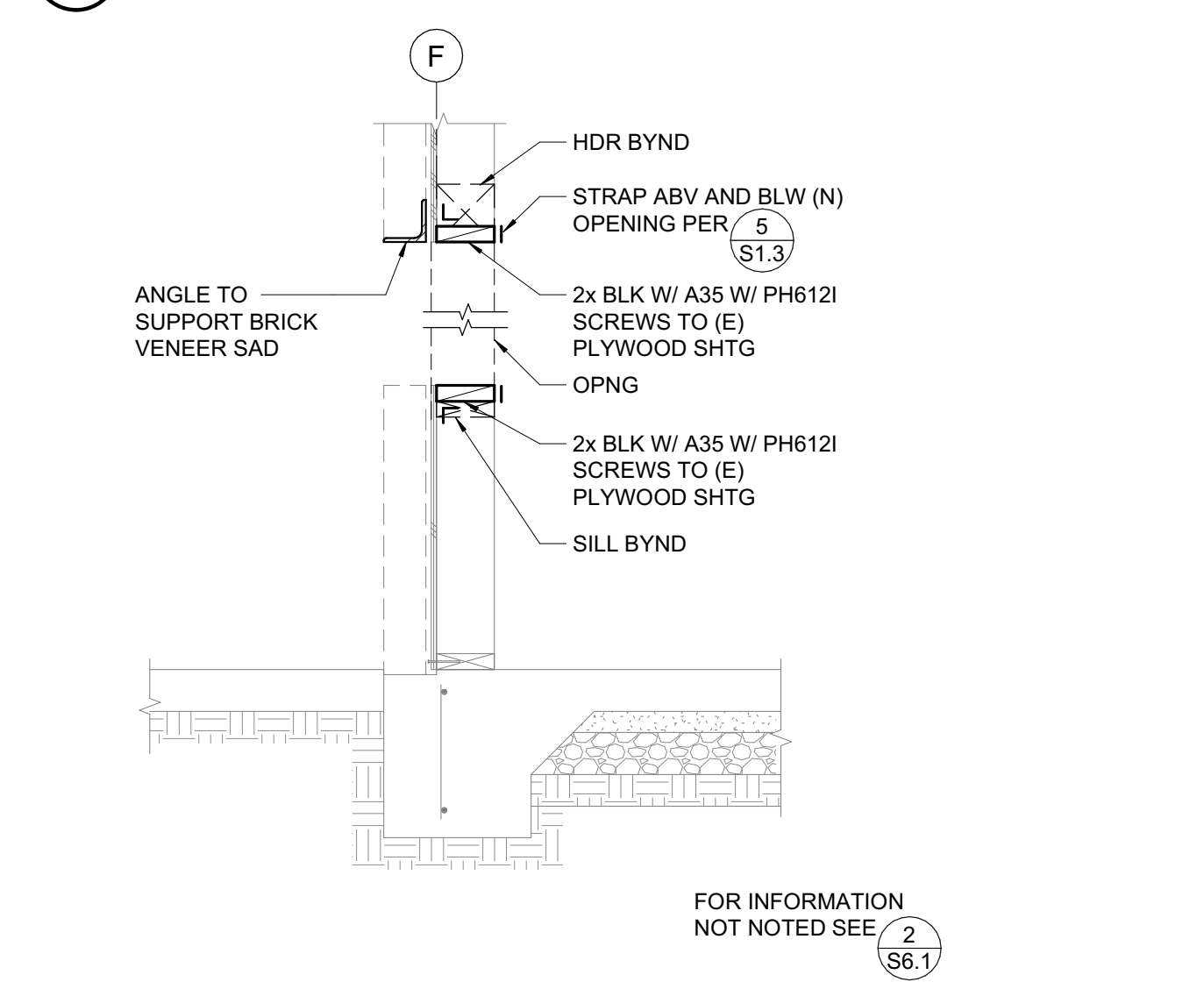
6 ANCHORAGE AT COMPACT STORAGE
3" = 1'-0"



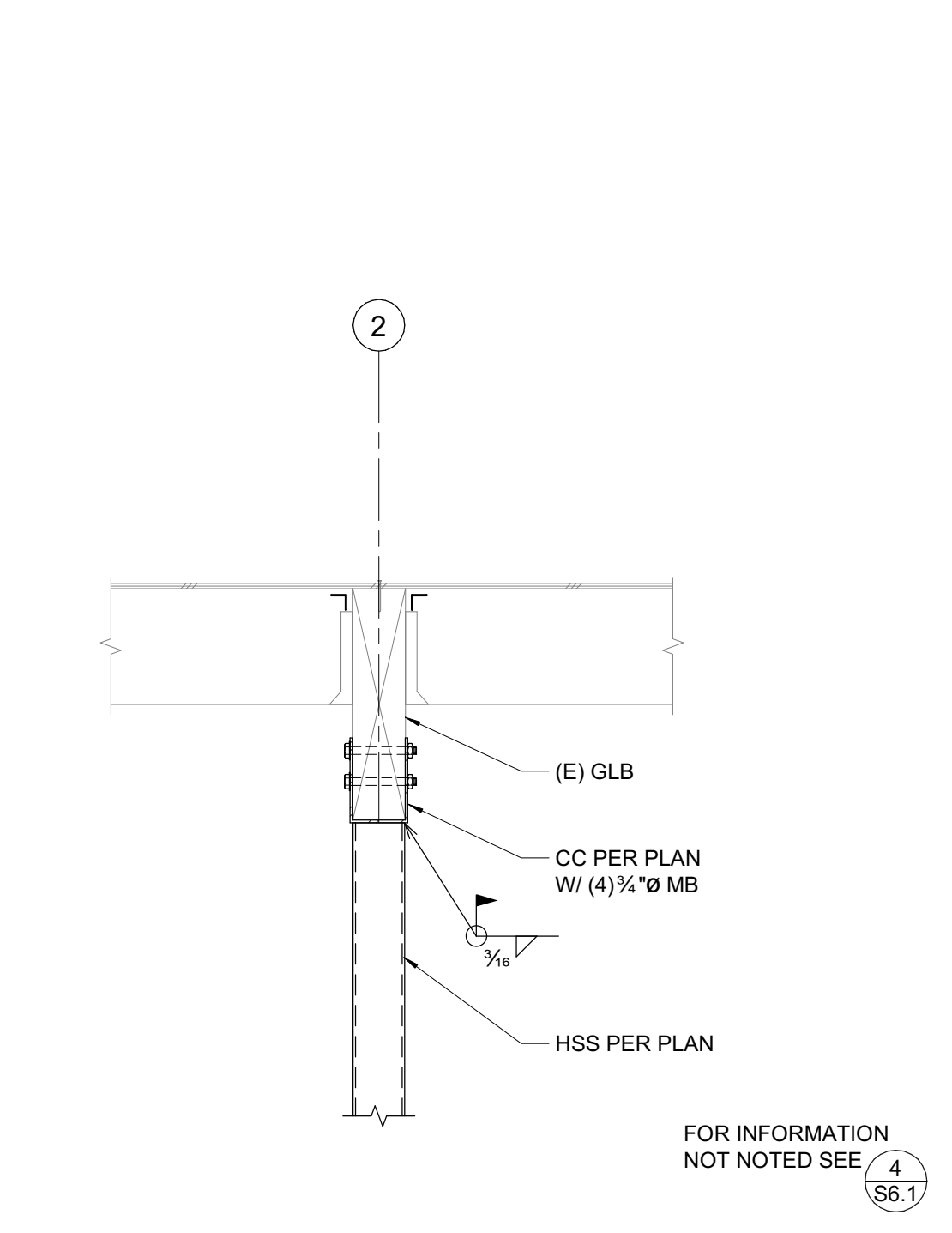
7 EXTERIOR SHEAR WALL
3/4" = 1'-0"



8 FOUNDATION AT EXTERIOR SHEAR WALL W/ OPENING
3/4" = 1'-0"



9 FOUNDATION AT (E) EXTERIOR WALL W/ OPENING
3/4" = 1'-0"



10 TOP CONNECTION AT HSS COMPRESSION POST
3/4" = 1'-0"

SEAL



DATE SIGNED: 02/01/2024

APPROVALS

PROJECT TITLE

**Healdsburg, CA
Healdsburg Library**

139 Piper St,
Healdsburg, CA 95448

Permit Set

ISSUE DATE: 1/29/2024

N&T JOB NUMBER: 22212.00

REVISIONS

NO.	DATE	DESCRIPTION

SHEET TITLE
**PLUMBING - LEGEND,
NOTES AND
CALCULATIONS**

SHEET NUMBER

P0.01



PLUMBING LEGEND cont'd		
SYMBOL	ABBREVIATION	DESCRIPTION
	HW	HOT WATER PIPING
	HWR	HOT WATER PIPING RISE
	HW D	HOT WATER PIPING DROP
	HW	HOT WATER PIPING WITH HEAT TRACE TAPE
	HWRET	HOT WATER RETURN
	HWRET(R)	HOT WATER RETURN RISE
	HWRET(D)	HOT WATER RETURN DROP
	() HW	HOT WATER (TEMP. °F)
	() HWRET	HOT WATER RETURN (TEMP. °F)
	(N), (E)	NEW, EXISTING
	(NTS)	NOT TO SCALE
	OH	OVERHEAD
	AN	PIPE ANCHOR
		PIPE GUIDE
		PIPE IN SLEEVE
		PITCH DOWN IN DIRECTION OF FLOW
	POC	POINT OF CONNECTION
	PRV	PRESSURE REDUCING VALVE
	PD	PUMP DISCHARGE LINE
	WH	RECESSED BOX HOSE BIBB OR WALL HYDRANT
	RE, IE	RIM ELEVATION, INVERT ELEVATION
	(R), (D)	RISE, DROP
		RISER DOWN (ELBOW)
		RISER UP (ELBOW)
	R, D	RISE OR DROP
	RD	ROOF DRAIN
	S, W	SOIL, WASTE OR SANITARY SEWER ABOVE FLOOR
	S, W	SOIL, WASTE OR SANITARY SEWER BELOW FLOOR
	TH	THERMOMETER
	TP	TRAP PRIMER
	TP	TRAP PRIMER PIPING
	TYP	TYPICAL
	UN	UNION OR FLANGE
		VALVE IN RISER (TYPE AS INDICATED OR NOTED)
	VB	VALVE IN VALVE BOX (VALVE TYPE SYMBOL AS REQUIRED FOR VALVE TYPE USED)
	V	VENT PIPING
	V, VR, VTR	VENT, VENT RISER, VENT THRU ROOF
	WCO	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTOR

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	ABC	ABOVE CEILING
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	AF, BF	ABOVE FLOOR, BELOW FLOOR
	AD, AP	ACCESS DOOR, ACCESS PANEL
	BV	BALL VALVE
		BRANCH - TOP CONNECTION
		BRANCH - BOTTOM CONNECTION
		BRANCH - SIDE CONNECTION
	CBV	CALIBRATED BALANCE VALVE
	COP	CAP ON END OF PIPE
		CENTER LINE
	CKV	CHECK VALVE
	CP	CIRCULATING PUMP
	CW	COLD WATER
	CWD	COLD WATER DROP
	CWR	COLD WATER RISE
	CR	CONCENTRIC REDUCER
	CO	CLEANOUT
	DI	DEIONIZED WATER
	F	DEGREES FAHRENHEIT
	-, -	DIAMETER, SQUARE (FEET)
	(E)	EXISTING TO BE REMOVED
	FU	FIXTURE UNIT
	CO	CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
		FLOW IN DIRECTION OF ARROW
	FLV	FLOW LIMITING VALVE
	FV, FT	FLUSH VALVE, FLUSH TANK
	(FA), (TA)	FROM ABOVE, TO ABOVE
	(FB), (TB)	FROM BELOW, TO BELOW
	GCK	GAGE COCK
	GV	GATE VALVE
	GPM	GALLONS PER MINUTE
	GLV	GLOBE VALVE
	CO	CLEANOUT
	HB	HOSE BIBB

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE	
<p>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 SECTION 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.</p> <p>THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON PREAPPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.</p> <p>MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):</p> <p>MP <input checked="" type="checkbox"/> MD <input checked="" type="checkbox"/> PP <input type="checkbox"/> E <input type="checkbox"/> OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS</p> <p>MP <input checked="" type="checkbox"/> MD <input checked="" type="checkbox"/> PP <input type="checkbox"/> E <input type="checkbox"/> OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #) #0043-13</p>	

MEP COMPONENT ANCHORAGE NOTE	
<p>ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE 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 CHAPTER 13, 26 AND 30.</p> <ol style="list-style-type: none"> 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 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 ARE REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA. <p>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.</p> <ol style="list-style-type: none"> 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. <p>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.</p>	

SHEET LIST	
P0.01 - PLUMBING - LEGEND, NOTES AND CALCULATIONS	
P0.02 - PLUMBING - NOTES	
P0.03 - PLUMBING FIXTURE SPECIFICATION & CONNECTION SCHEDULE	
P1.31 - PLUMBING - DEMOLITION PLAN - 1ST FLOOR	
P2.31 - PLUMBING - FLOOR PLAN - 1ST FLOOR	
P5.01 - PLUMBING DETAILS	
P5.02 - PLUMBING DETAILS	

EWH-1 WATER HEATER SIZING ELECTRIC TANK TYPE - MECHANICAL ROOM LIBRARY						
SYMBOL	FIXTURE NAME	QTY	USER HW TEMP	GPH EACH @ USER TEMP	GPH EACH @ WH TEMP	GPH TOTAL PER ITEM
LAV	COMMERCIAL - LAVATORY	1.00	105.00	6.00	4.62	4.62
SINK	SINK	2.00	105.00	10.00	7.69	15.38
SERVICE SINK	SERVICE SINK	1.00	120.00	20.00	20.00	20.00
					TOTAL GPH	40.00
INLET TEMP		55.00		TANK VOL	30	GALLONS
WH TEMP		120.00		±1ST HR RECOV	58.05	GALLONS
TEMP DIFF		65.00		1KW =	3412.142	BTUH
WATER HEATER EFFICIENCY		0.980				
GPH USAGE DIVERSITY FACTOR		0.80				
GPH WITH DIV FACTOR = TOTAL GPH X FACTOR		32.00				
POWER INPUT =	GPH X TEMP DIFF X 8.33LBS/GAL X 1BTU/LB/°F / WATER HEATER EFF					
=	17,680.00					BTUH
=	5.18					KW
USE =	6.00					KW
	37.05					GPH RECOVERY EQUIV @ CONSTANT EFF @ TEMP DIFF ABV
NOTES:						
1.0	USER HW TEMP VALUES SHOWN ABOVE ARE ASSUMED WARMEST BEARABLE TEMPERED WATER AT FAUCET OUTLET. SET BY USER UNLESS SHOWN OTHERWISE. SEE PLUMBING FIXTURE SCHEDULE FOR TEMP SETTING SPECIFICS AT FIXTURE OR AT POINT OF USE TMV IF ANY.					
2.0	WARNING: PER ASHRAE CHAPTER 50 FIGURE 9, IT TAKES APT 10 MINS TO CAUSE 3RD DEGREE BURNS USING 120F HOT WATER. FOR 140F HOTWATER, IT ONLY TAKES ABOUT 5 SECONDS TO DO SAME DAMAGE. PLEASE LIMIT HOT WATER TEMP THRU USE OF THERMOSTATIC MIXING VALVES OR USE OF INTEGRAL LIMITING DEVICE IF AVAILABLE.					
3.0	1ST HR RECOVERY BASED FROM 0.7xWH TANK VOLUME + PERFORMANCE GPH					
4.0						
5.0						
6.0	GPH USAGE DIVERSITY FACTOR SHALL BE EQUAL TO PEAK DEMAND X CHANCES OF PEAK DEMAND BEING REACHED					
7.0	GPH @ WATER HEATER TEMPERATURE = GPH@USER TEMP x (USER HW TEMP - INLET CW TEMP) / (WH TEMP - CW INLET TEMP); SEE ASPE HANDBOOK #2 EQUATION 6-6 FOR MORE INFORMATION.					
8.0	Q = mcΔT; Q/t = m/t * c * ΔT; c = sp heat of fluid = 1BTU/lb/F; 8.33lbs of H2O = 1 Gal of H2O; Q in BTU and Q/t in BTUH					

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PLUMBING GENERAL NOTES	
1.	SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.
2.	COORDINATE LOCATION OF PIPING WITH OTHER TRADES ON THIS PROJECT.
3.	CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
4.	PROVIDE GATE VALVES ON WATER PIPE BRANCHES TO EQUIPMENT AND PLUMBING FIXTURES. PROVIDE ACCESS PANELS WHEN LOCATED IN FURRED SPACES OR ABOVE NON-REMOVABLE CEILINGS. ALL VALVES SHALL BE FULL LINE SIZE.
5.	SEAL ALL PIPE PENETRATIONS THRU FLOORS WATERTIGHT.
6.	PROVIDE GAS SHUT-OFF VALVE, UNION AND DIRT LEG AT EACH GAS CONNECTION TO MECHANICAL EQUIPMENT.
7.	DOMESTIC HOT WATER HEATERS SHALL BE SEISMICALLY SECURED TO BUILDING STRUCTURE WITH ADEQUATE STRUCTURAL SUPPORT WITH ANCHOR BOLTS TO WITHSTAND 0.29 LATERAL AND VERTICAL LOADS.
8.	PRIOR TO ANY SOLENOID VALVE, QUICK CLOSING VALVE, ETC. PROVIDE AND INSTALL SHOCK ABSORBER OF REQUIRED SIZE.
9.	PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL OF THE ENFORCING AGENCY.
10.	OFFSET VENTS THRU ROOF 10 FEET MINIMUM FROM AIR INTAKES AND 4 FEET FROM OUTSIDE WALLS.
11.	CONDENSATE DRAIN LINE CONNECTIONS TO MECHANICAL UNITS SHALL INCLUDE MINIMUM 4" DEEP "P" TRAP AND CLEANOUTS AT ALL OFFSETS.
12.	ALL MECHANICAL UNITS ARE SHOWN FOR REFERENCE AND COORDINATION ONLY. SEE "M" SHEETS.
13.	OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
14.	FIELD VERIFY EXACT SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC., PRIOR TO TRENCHING OR INSTALLING OF ANY NEW WORK.

PLUMBING GENERAL NOTES	
1.	COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS.
2.	KEEP VTRS A MINIMUM OF 10 FEET FROM AIR INTAKES AND 4 FEET MINIMUM FROM OUTSIDE WALLS.
3.	ALL MECHANICAL UNITS ARE SHOWN FOR REFERENCE AND COORDINATION ONLY. SEE "M" SHEETS.
4.	OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
5.	FIELD VERIFY EXACT SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC., PRIOR TO TRENCHING OR INSTALLING OF ANY NEW WORK.
6.	ALL VALVES SHALL BE LINE SIZE.
7.	PENETRATION OF PIPES, CONDUIT, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
8.	ALL FLOOR DRAINS LOCATED IN CERAMIC TILE SHALL HAVE A SQUARE TOP.
9.	CONCRETE ANCHORS SHALL BE HILTI, KWIK BOLT " - WITH 2" MIN. EMBEDMENT. ANCHORS SHALL BE TESTED PER IR 26-6, INTERPRETATIVE REGULATION FOR EXPANSION ANCHORS IN HARDENED CONCRETE. ANCHOR TEST LOAD IS 968 LBS. TENSION.

PLUMBING GENERAL NOTES	
1.	SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.
2.	COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLING PIPING AND ASSOCIATED ITEMS.
3.	COORDINATE LOCATION OF PIPING WITH OTHER TRADES ON THIS PROJECT.
4.	CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
5.	PROVIDE BALL VALVES ON WATER PIPE BRANCHES TO EQUIPMENT AND PLUMBING FIXTURES. PROVIDE ACCESS PANELS WHEN LOCATED IN FURRED SPACES OR ABOVE NON-REMOVABLE CEILINGS. ALL VALVES SHALL BE FULL LINE SIZE.
6.	SEAL ALL PIPE PENETRATIONS THRU FLOORS WATERTIGHT.
7.	PROVIDE GAS SHUT-OFF VALVE, UNION AND DIRT LEG AT EACH GAS CONNECTION TO MECHANICAL EQUIPMENT.
8.	DOMESTIC HOT WATER HEATERS SHALL BE SEISMICALLY SECURED TO BUILDING STRUCTURE WITH ADEQUATE STRUCTURAL SUPPORT WITH ANCHOR BOLTS.
9.	PRIOR TO ANY SOLENOID VALVE, QUICK CLOSING VALVE, ETC. PROVIDE AND INSTALL SHOCK ABSORBER OF REQUIRED SIZE.
10.	PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL OF THE ENFORCING AGENCY.
11.	PENETRATION OF PIPES, CONDUIT, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
12.	OFFSET VENTS THRU ROOF 10 FEET MINIMUM FROM AIR INTAKES AND 4 FEET FROM OUTSIDE WALLS.
13.	CONDENSATE DRAIN LINE CONNECTIONS TO MECHANICAL UNITS SHALL INCLUDE MINIMUM 4" DEEP "P" TRAP AND CLEANOUTS AT ALL OFFSETS.
14.	ALL MECHANICAL UNITS ARE SHOWN FOR REFERENCE AND COORDINATION ONLY. SEE "M" SHEETS.
15.	OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
16.	FIELD VERIFY EXACT SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC., PRIOR TO TRENCHING OR INSTALLING OF ANY NEW WORK.
17.	BUILDING SEWER, WATER AND STORM DRAIN RUN APPROXIMATELY 5' MIN. FROM BUILDING, SECTION 22 10 00 APPLIES TO UTILITIES IN THE BUILDING, UNDER THE BUILDING AND TO 5' OUTSIDE THE BUILDING, BEYOND THE 5' OUTSIDE OF THE BUILDING SECTION 02700 GOVERNS.
18.	ALL FLOOR MOUNTED FIXTURES, CLEAN OUTS & FLOOR DRAINS TO BE FLUSH MOUNTED WITH 2% MAX. SLOPE.
19.	ALL FLOOR DRAINS LOCATED IN CERAMIC TILE SHALL HAVE A SQUARE TOP.
20.	CONCRETE ANCHORS SHALL BE HILTI, KWIK BOLT KB1 3/8" DIA. WITH 2-1/2" MIN. EMBEDMENT. ANCHORS SHALL BE TESTED PER IR 26-6, INTERPRETATIVE REGULATION FOR EXPANSION ANCHORS IN HARDENED CONCRETE. ANCHOR TEST LOAD IS 968 LBS. TENSION.
21.	BUILDING SEWER, WATER AND STORM DRAIN RUN APPROXIMATELY 5' MIN. FROM BUILDING, SECTION 22 10 00 APPLIES TO UTILITIES IN THE BUILDING, UNDER THE BUILDING AND TO 5' OUTSIDE THE BUILDING, BEYOND THE 5' OUTSIDE OF THE BUILDING SECTION 02700 GOVERNS.
22.	PROVIDE AND INSTALL 20 GAGE GALV. SHT. MTL. OVERFLOW PAN UNDER ENTIRE UNIT AND COIL. PAN SHALL EXTEND A MIN. OF 6" PAST ALL SIDES OF UNIT AND COIL. SIDES SHALL EXTEND UP TWO INCHES AND SHALL HAVE EDGES TURNED UNDER. ALL SEAMS SHALL BE CONTINUOUSLY WELDED. PROVIDE 1/4" DRAIN OUTLET IN SIDE OF PAN. SLOPE PAN BACK TO OUTLET. NOTE: SECONDARY DRAIN FROM FURNACE COOLING COIL SHALL DISCHARGE TO OVERFLOW DRAIN PAN.

FIRESTOPPING	
1.	PACK THE ANNULAR SPACE BETWEEN THE PIPE SLEEVES AND THE PIPE THROUGH ALL FLOORS AND WALLS WITH UL LISTED FIRE STOP, AND SEALED AT THE ENDS. ALL PIPE PENETRATIONS SHALL BE UL LISTED, HILTI, 3M PRO-SET, OR EQUAL. <ul style="list-style-type: none"> A. INSTALL FIRE CAULKING BEHIND MECHANICAL SERVICES INSTALLED WITHIN FIRE RATED WALLS, TO MAINTAIN CONTINUOUS RATING OF WALL CONSTRUCTION.
2.	PROVIDE SPECSEAL SYSTEMS UL FIRE RATED SLEEVE/COUPLING PENETRATORS FOR EACH PIPE PENETRATION OR FIXTURE OPENING PASSING THROUGH FLOORS, WALLS, PARTITIONS OR FLOOR/CEILING ASSEMBLIES. ALL PENETRATORS SHALL COMPLY WITH UL FIRE RESISTANCE DIRECTORY (LATEST EDITION), AND IN ACCORDANCE WITH CHAPTER 7, CBC REQUIREMENTS.
3.	SLEEVE PENETRATORS SHALL HAVE A BUILT IN ANCHOR RING FOR WATERPROOFING AND ANCHORING INTO CONCRETE POURS OR USE THE SPECIAL FIT CORED HOLE PENETRATOR FOR CORED HOLES.
4.	COPPER AND STEEL PIPING SHALL HAVE SPECSEAL PLUGS ON BOTH SIDES OF THE PENETRATOR TO REDUCE NOISE AND TO PROVIDE WATERPROOFING.
5.	ALL ABOVE SYSTEMS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6.	ALTERNATE FIRESTOPPING SYSTEMS ARE ACCEPTABLE IF APPROVED EQUAL. HOWEVER, ANY DEVIATION FROM THE ABOVE SPECIFICATION REQUIRES THE CONTRACTOR TO BE RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE PROPOSED PRODUCTS AND THEIR INTENDED USE, AND THE CONTRACTOR SHALL ASSUME ALL RISKS AND LIABILITIES WHATSOEVER IN CONNECTION THEREWITH.

NOLL & TAM ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
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SEAL

APPROVALS

PROJECT TITLE

**Healdsburg, CA
Healdsburg
Library**

139 Piper St,
Healdsburg, CA 95448

Permit Set

ISSUE DATE: 1/29/2024
N&T JOB NUMBER: 22212.00

REVISIONS		
NO.	DATE	DESCRIPTION

SHEET TITLE

**PLUMBING -
NOTES**

SHEET NUMBER

P0.02



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PLUMBING FIXTURE SPECIFICATION & CONNECTION SCHEDULE

ADA	SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	TRIM MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
								BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
		WATER CLOSET FLOOR MOUNTED FLUSH TANK ACCESSIBLE	"KOHLER" HIGHLINE NO. K-3519 FLOOR MOUNTED, ELONGATED, 1.0 GPF, PRESSURE ASSISTED SIPHON JET TANK TYPE. 17-1/8" RIM HEIGHT.	INTEGRAL	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF-SUSTAINING CONCEALED CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POSTS. WHITE COLOR. SUPPLY STOP: "BRASS CRAFT" MODEL SR-3712-DL.	WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH TRIP LEVER SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1"	3/4"	-	-
		WATER CLOSET FLOOR MOUNTED FLUSH VALVE ACCESSIBLE	"KOHLER" HIGHCLIFF NO. K-96057-SS, FLOOR MOUNTED, ELONGATED, SIPHON JET ACTION 1-1/2" TOP SPUD, 16-7/8" RIM HEIGHT. 1.28 GPF ANTIMICROBIAL	"SLOAN" ROYAL 111 HET 1.28, ADA COMPLIANT, 1.28 GPF (MANUAL)	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF-SUSTAINING CONCEALED CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR.	WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	--	--
		LAVATORY WALL MOUNTED HOT AND COLD WATER STD/ACCESSIBLE	"KOHLER" SOHO K-2084 WALL HUNG, VITREOUS CHINA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, BACK OVERFLOW, CONCEALED ARM RECESS, SINGLE HOLE, 20" X 18" D SHAPED BOWL.	"CHICAGO" 3502-E2805ABCP FAUCET, DECK-MOUNTED METERING FAUCET, SINGLE HOLE, PUSH LEVER WITH AERATOR WITH 0.5 GPM FLOW RATE. WITH VANDAL RESISTANT ECONO-FLO NON-AERATING SPRAY OUTLET. ADA COMPLIANT	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
		LAVATORY WALL MOUNTED COLD WATER ONLY STD/ACCESSIBLE	"KOHLER" SOHO K-2084 WALL HUNG, VITREOUS CHINA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, BACK OVERFLOW, CONCEALED ARM RECESS, SINGLE HOLE, 20" X 18" D SHAPED BOWL.	"CHICAGO" 3500-E2805ABCP FAUCET, DECK-MOUNTED METERING FAUCET, SINGLE HOLE, METERING PUSH HANDLE WITH AERATOR WITH 0.5 GPM FLOW RATE. WITH VANDAL RESISTANT ECONO-FLO NON-AERATING SPRAY OUTLET. ADA COMPLIANT	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL. CARRIER: "JAY R. SMITH" 0700 OR ZURN Z1231	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	-	-
		SINK COUNTER MOUNTED HOT AND COLD WATER BREAKROOM	"ELKAY" MODEL LRADQ2219-65-BP, 19" FRONT TO BACK, 22" WIDE X 6-1/2" DEPTH OVERALL, 18 GAUGE STAINLESS STEEL, LEDGE BACK WITH SELF-RIM. PROVIDE SINGLE FAUCET HOLE. PROVIDE REAR DRAIN LOCATION. PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET, AND SLOT AT FAUCET FOR VANDAL RESISTANT PINS.	"CHICAGO" ECASST MODEL 50-E35VPABCP GOOSENECK FAUCET, 1.5 GPM VANDAL RESISTANT LAMINAR FLOW AERATOR AND RIGID/SWING FAUCET. PROVIDE VANDAL RESISTANT PIN IN FAUCET, ARRANGED TO MATE WITH SLOT IN SINK.	"ELKAY" MODEL LKAD35, OFFSET CRUMB CUP STRAINER WITH REMOVABLE BASKET AND P-TRAP. INSTALL P-TRAP FLUSH TO WALL.		1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
		SERVICE SINK FLOOR MOUNTED HOT AND COLD WATER JANITORS	"ACORN" TCR-28, TERRAZZO-WARE, 28"x28"x12" DEEP FLOOR MOUNTED, TERRAZZO, WITH STAINLESS STEEL CAP. UNIT SHALL INCLUDE MODEL KH36 HOSE WITH WALL HANGER, KMH MOP HANGER WITH 3 SPRING LOADED GRIPS ON A STAINLESS STEEL BRACKET.	"CHICAGO" MODEL 897-CCP WALL MOUNTED POLISHED CHROME FAUCET WITH VACUUM BREAKER, ADJUSTABLE TOP BRACE AND 3/4" MALE THREADED HOSE OUTLET.		AS PART OF ROUGH-IN FOR FAUCET, PROVIDE SUITABLE BLOCKING FOR TOP BRACE. PROVIDE CAP WITH FLANGE ON SIDES ADJACENT TO WALLS.	2"	3"	3"	3/4"	3/4"	3/4"	3/4"
		DRINKING FOUNTAIN WALL MOUNTED STD/ACCESSIBLE	"HAWS" 1107L, STAINLESS STEEL, WALL MOUNTED, STAINLESS STEEL BACK PANEL.	INTEGRAL	WITH P-TRAP	SUPPORT SYSTEM: MODEL 6700 MOUNTING PLATE AND 6800 SUPPORT CARRIER. PROVIDE MANUFACTURER'S INTERNAL SUPPORT SYSTEM. WHERE INSTALLED ON CONCRETE OR CMU WALL, PROVIDE TWO MODEL 6700 MOUNTING PLATES AND INSTALL WITH ONE PLATE ON EACH SIDE OF WALL. SET AT HEIGHT INDICATED ON ARCH DRAWINGS	1-1/2"	2"	1-1/2"	3/4"	1/2"	-	-
		REFRIGERATOR ICE MAKER	"GUY GRAY" MODEL SSB2AB LEAD FREE ICE MAKER HOOK-UP, WITH "FIP INLET AND " COMPRESSION OUTLET	INTEGRAL	INTEGRAL	PROVIDE STAINLESS STEEL BOX AND STAINLESS STEEL FACE PLATE.	-	-	-	1/2"	1/4"	-	-
		TRAP PRIMER	MIFAB "M-500" SERIES, PRECISION PLUMBING PRODUCTS "PRIME-RITE" OR SIOUX CHIEF MANUFACTURING CO. "PRIME PERFECT" PRECISION PLUMBING PRODUCTS "PR-500" (1 DRAIN), "PR-500-DU-4/DU-U" (2 DRAINS), "P1-500-DU-4/DU-U" (3-4 DRAINS)				-	-	-	1/2"	1/2"	-	-
		FLOOR DRAIN	GENERAL SERVICE FD - ZURN MODEL Z-415, OR EQUAL, WITH TYPE "B" STRAINER FOR EXPOSED CONCRETE AND TYPE "S" STRAINER FOR TILE FLOOR. PROVIDE BRONZE TRIM. FD IN COMPOSITION TYPE FLOORS - ZURN MODEL Z-415, OR EQUAL, WITH TYPE SL STRAINER. FD IN RESINOUS/EPOXY TYPE FLOORS - ZURN MODEL Z-415BL, OR EQUAL, NICKEL BRONZE WITH ADJUSTABLE STRAINER. OTHER APPROVED EQUAL MANUFACTURERS INCLUDE: JAY R. SMITH, WATTS & MIFAB.				2"	2"	2"	-	-	-	-

ELECTRIC WATER HEATER SCHEDULE

UNIT	LOCATION	"MFR" MODEL NO.	STORAGE CAPACITY GALLONS	RECOVERY GALLONS @ 65°F RISE	MAX. TEMP SETTING	TOTAL WATTAGE	KW	VOLTAGE	AMPS	WEIGHT (FULL)	PIPING DETAIL	MOUNTING DETAIL	NOTES
	MECH	AO SMITH DEL-30	36	38.1	120	6,000	6.0	208V/1Ø	--	419			DUAL ELEMENT AND NON-SIMULTANEOUS OPERATION

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REVISIONS
DATE DESCRIPTION

SHEET TITLE

**PLUMBING FIXTURE
SPECIFICATION &
CONNECTION
SCHEDULE**

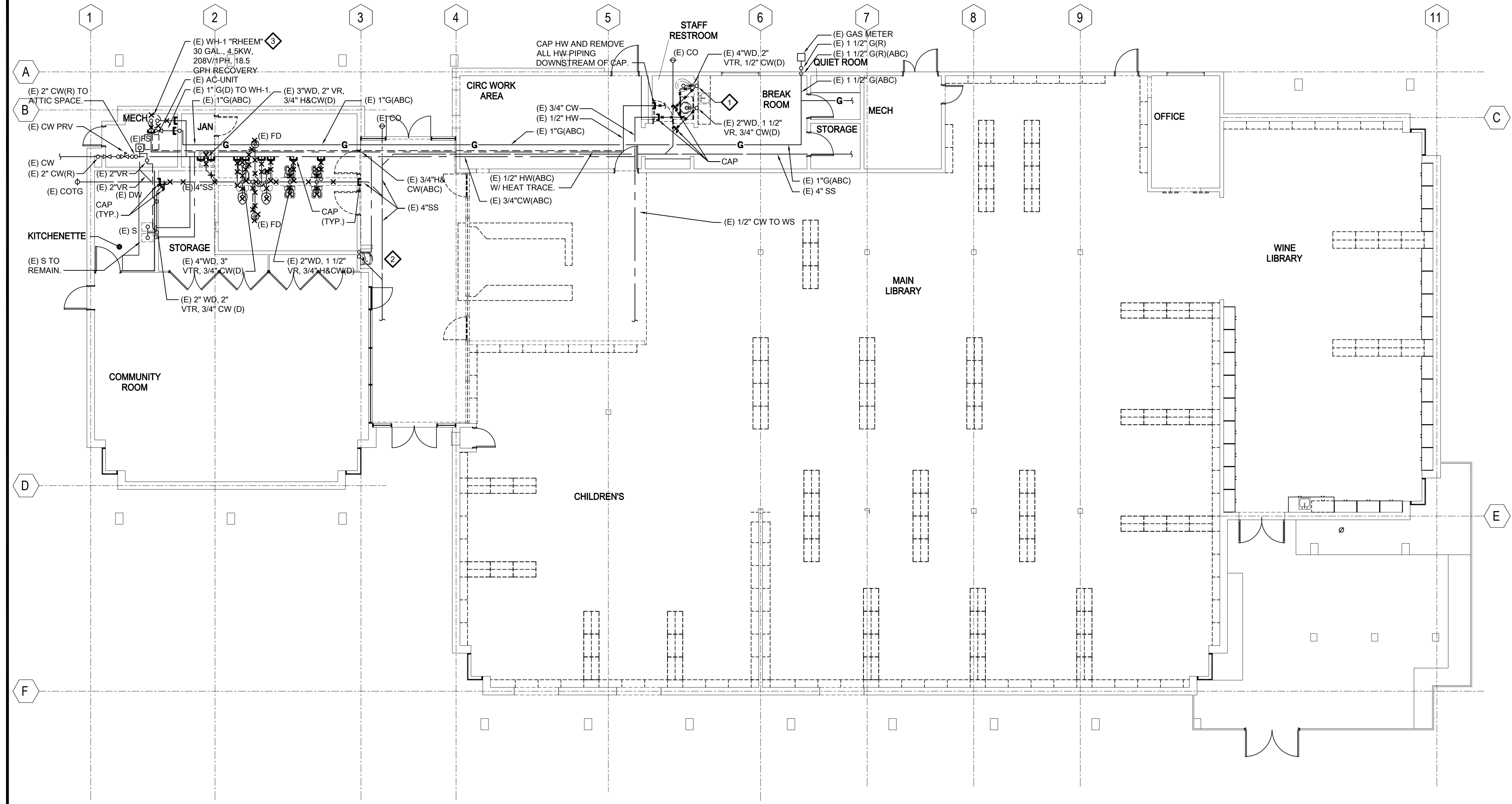
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- DEMOLITION KEYNOTES
- 1 REMOVE AND CAP VTR BELOW THE FINISHED ROOF DECK. PREPARE FOR RECONNECTION.
 - 2 REMOVE DF, DISCONNECT AND CAP PIPING SERVICES. PREPARE PIPING FOR RECONNECTION TO NEW DF.
 - 3 REMOVE WATER HEATER (HW) AND SUPPORTS. DISCONNECT AND CAP PIPING SERVICES. PREPARE FOR RECONNECTION TO NEW EWH.



DEMOLITION SHEET NOTES
1. -



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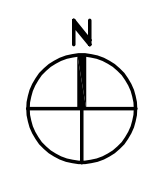
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PLUMBING - DEMOLITION PLAN - 1ST FLOOR
SCALE : 1/8" = 1'-0"

1
P1.31



SHEET TITLE
**PLUMBING -
DEMOLITION PLAN -
1ST FLOOR**

SHEET NUMBER

P1.31



DATE SIGNED: 02/01/2024

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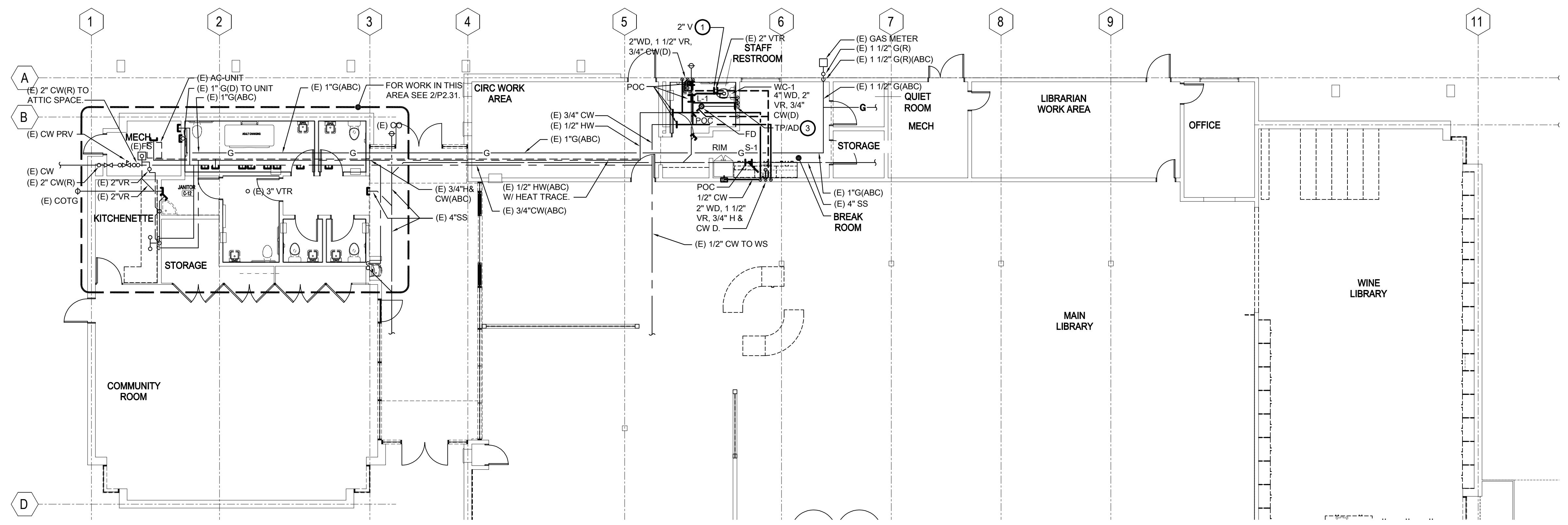
REVISIONS

NO.	DATE	DESCRIPTION

SHEET TITLE
PLUMBING - FLOOR PLAN - 1ST FLOOR

SHEET NUMBER

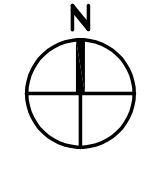
P2.31



PLUMBING - FLOOR PLAN - 1ST FLOOR

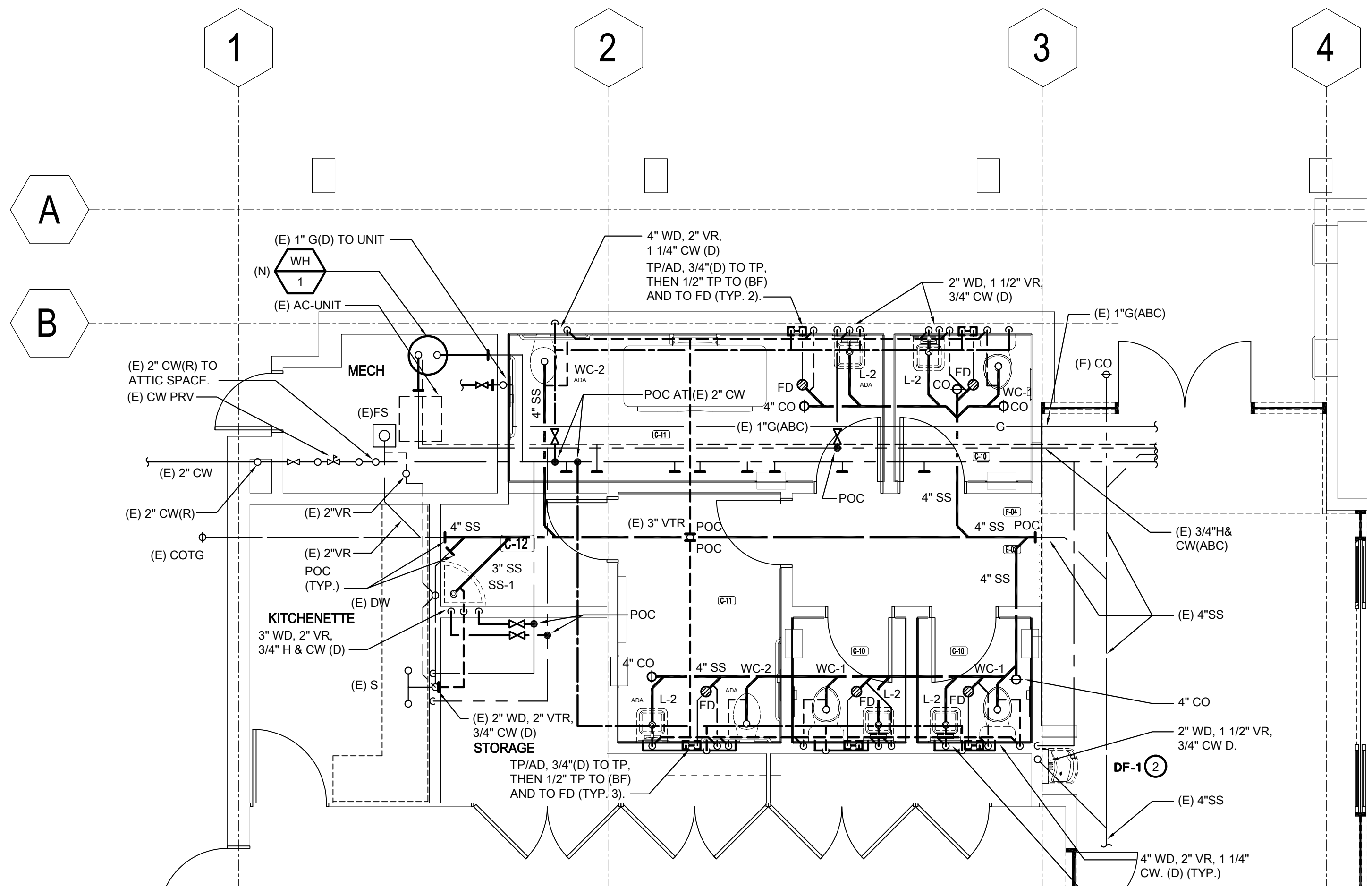
SCALE : 1/8" = 1'-0"

1
P2.31



KEYNOTES

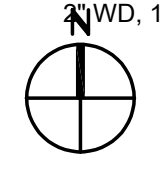
- ① CONNECT (N) 2" V TO (E) 2" VENT BELOW ROOF DECK.
- ② CONNECT AND ADJUST NEW PIPING SERVICES TO THE EXISTING SS, V, AND CW SERVICES FOR NEW DF.
- ③ TP/AD, 3/4"(D) TO TP, THEN 1/2" TP TO (BF) AND TO FD.



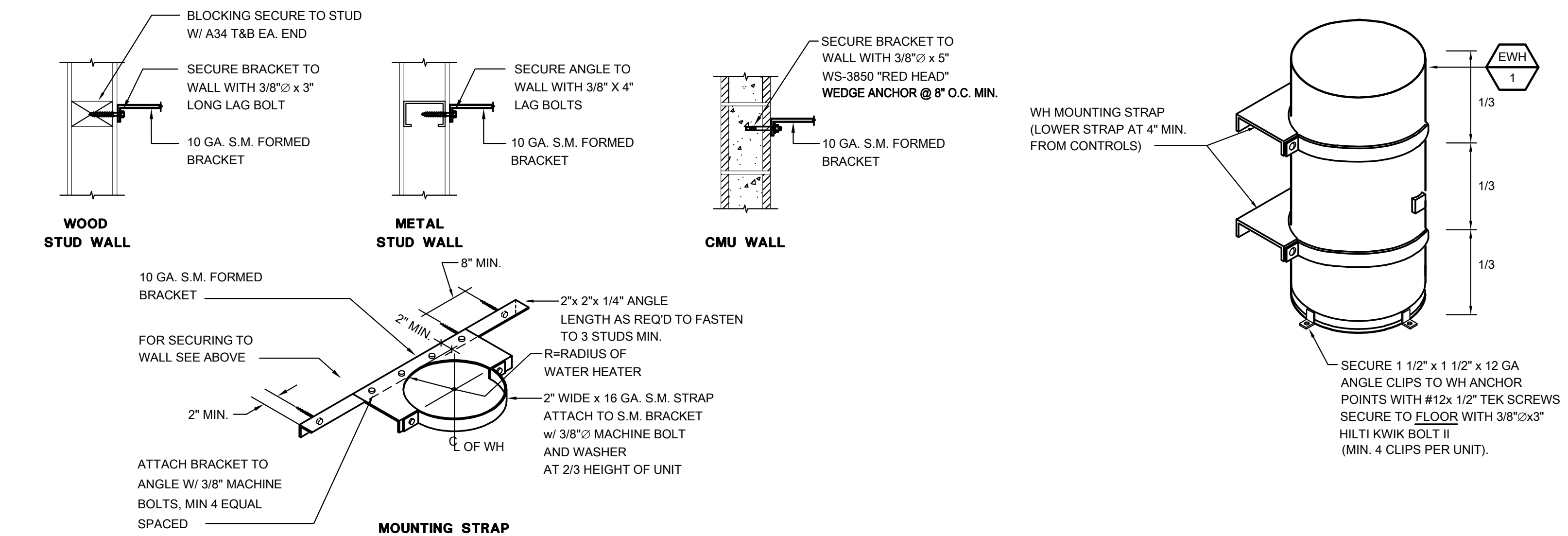
PLUMBING - ENLARGED FLOOR PLAN

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

2
P2.31



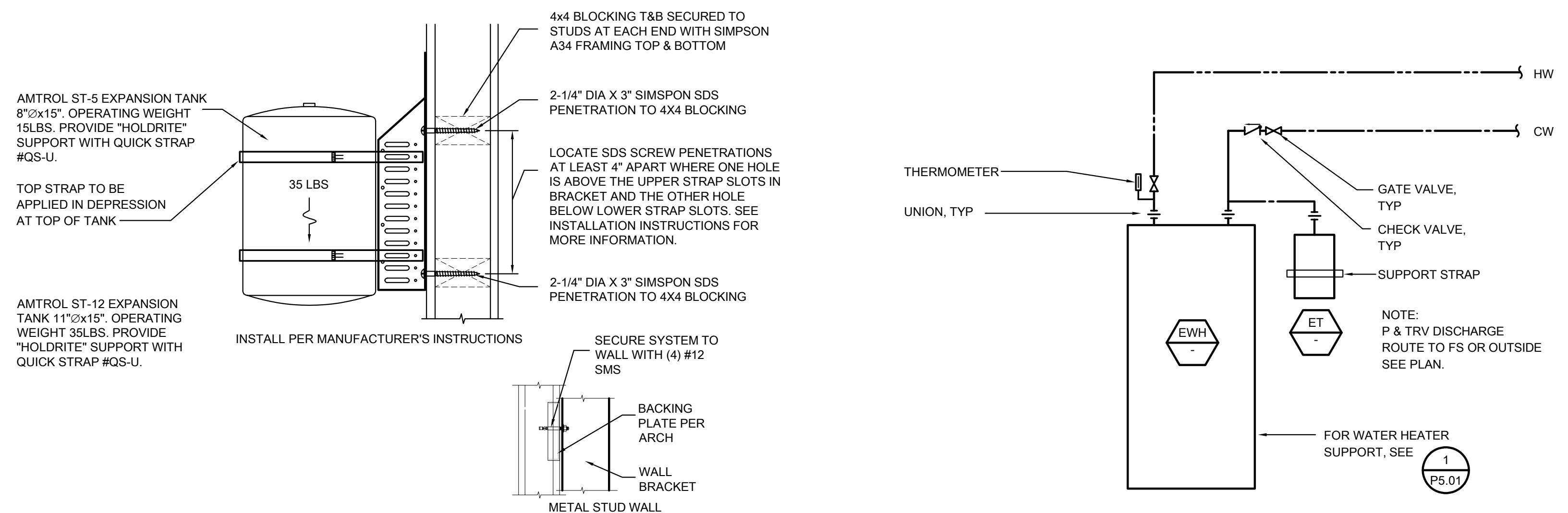
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WATER HEATER SUPPORT

SCALE : NONE

1
P5.01



EXPANSION TANK MOUNTING

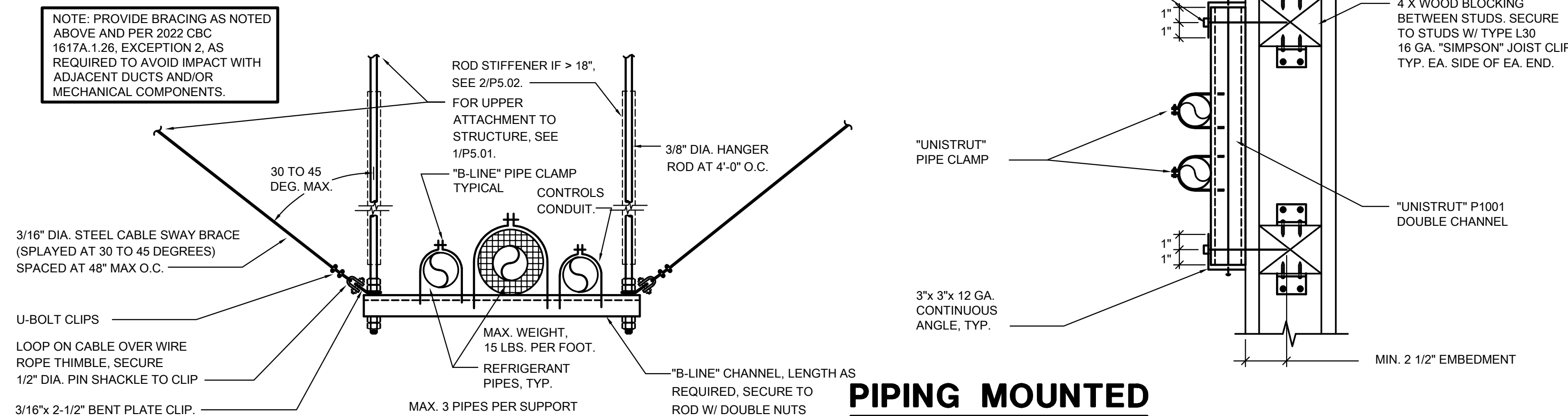
SCALE : NONE

4
P5.01

ELECTRIC WATER HEATER PIPING

SCALE : NONE

2
P5.01



REFRIGERANT PIPING SUPPORT

SCALE : NONE

5
P5.01

PIPING MOUNTED ON WALL & CEILING

SCALE : NONE

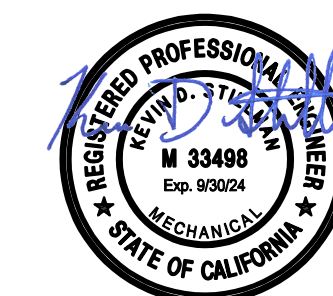
3
P5.01



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**PLUMBING -
DETAILS**

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P5.01

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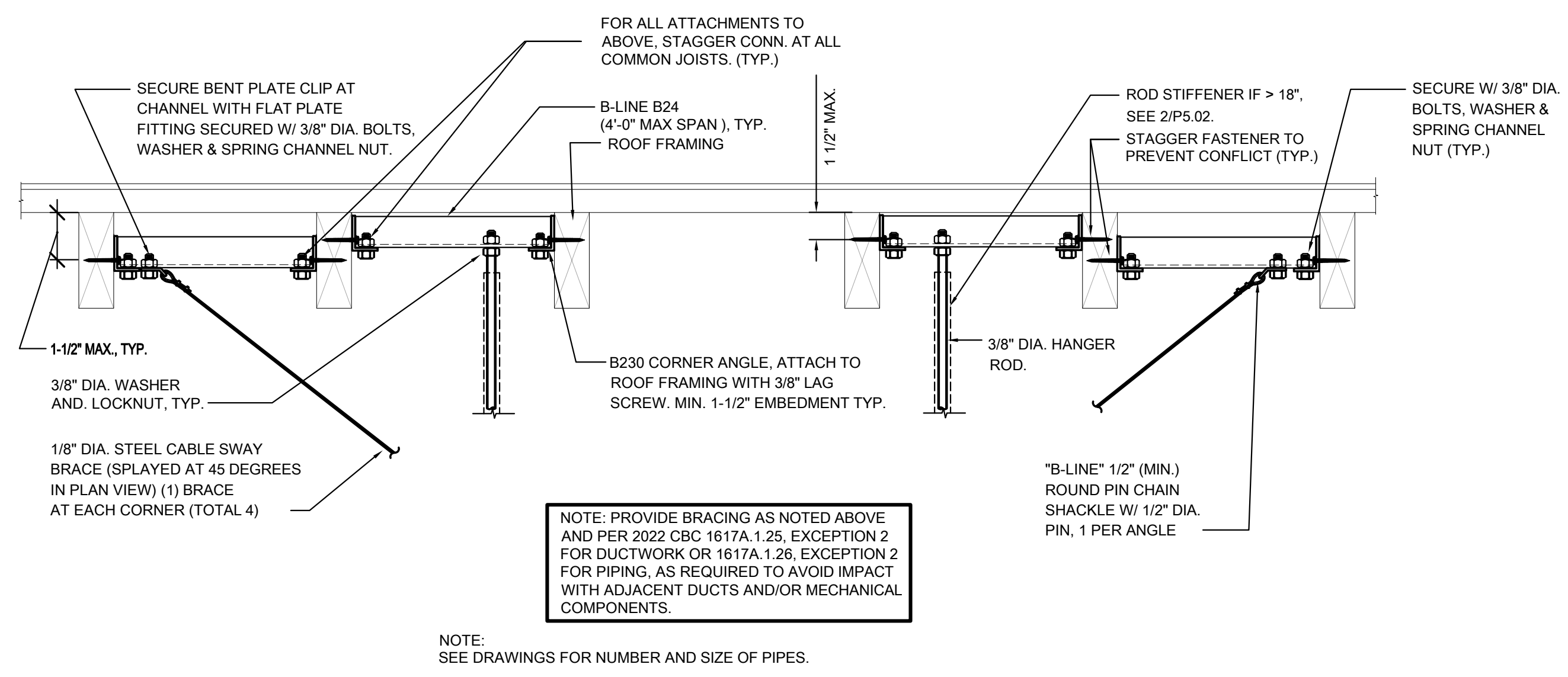
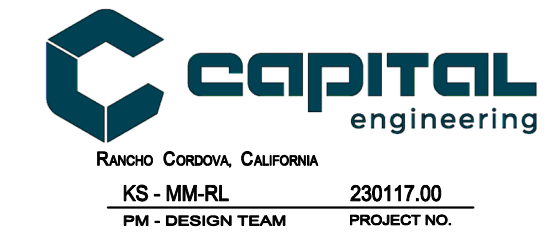
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SHEET TITLE
PLUMBING - DETAILS

SHEET NUMBER

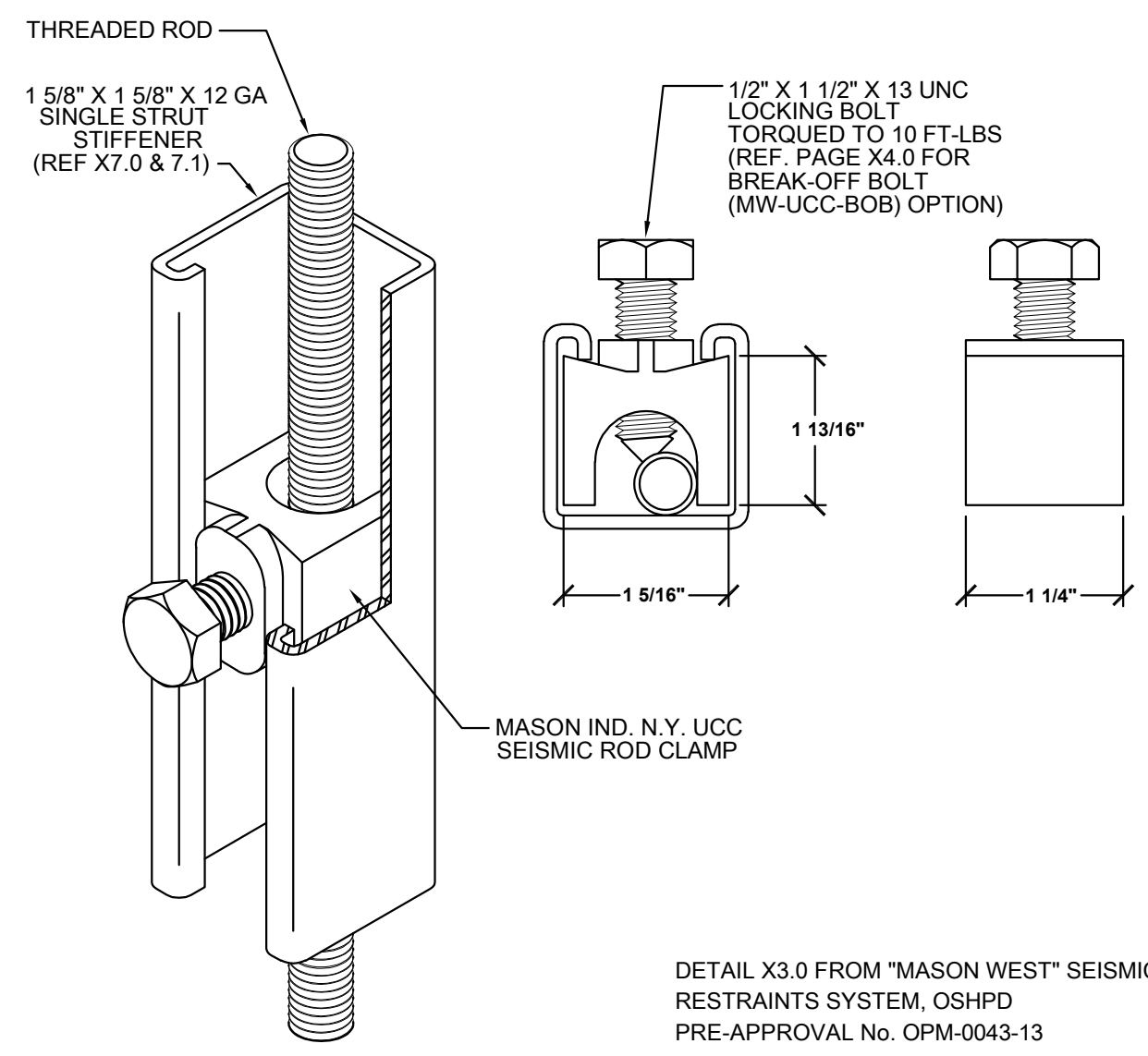
P5.02



UPPER ATTACHMENT AT WOOD STRUCTURE

SCALE : NONE

1
P5.02



TYPE UCC WITH STEEL STRUT ASSEMBLY RATINGS (ASD)

ROD SIZE (INCHES)	MAX COMPRESSIVE FORCE (LBS)	MAXIMUM STRUT STIFFENER LENGTH (INCHES)	MAX UCC SPACING (INCHES)	MAXIMUM UNBRACED LENGTH (INCHES)
3/8	440	156	28	18
1/2	735	156	38	25
5/8	1155	156	48	31
3/4	1700	156	57	37
3/4	3130	84	42	27

ROD STIFFENER DETAIL

SCALE : NONE

2
P5.02

SEISMIC BRACKET ATTACHMENT TO STRUCTURAL TIMBER WITH (1) THRU BOLT OR THREADED ROD

SEISMIC BRACE BRACKET PERPENDICULAR TO JOIST

SEISMIC BRACE BRACKET PARALLEL TO JOIST

BRACE ATTACHMENT TYPE	ALLOWABLE LATERAL LOAD Fp LBS	MAX BRACE RANGE q	ASTM A307 BOLT OR ASTM A36 THREADED ROD DIA. da INCH	Cmin1 INCH	Cmin2 INCH
38A TO 38D	250	30°-45°	3/8	1 1/2	1 1/2
38A TO 38B	150	45°-60°	3/8	1 1/2	1 1/2
50A TO 50D	300	30°-45°	1/2	1 1/2	2
50A TO 50B	170	45°-60°	1/2	1 1/2	2
63A TO 63D	340	30°-45°	3/4	1 1/2	2 1/2
63A TO 63C	200	45°-60°	3/4	1 1/2	2 1/2

SEE DETAIL NO.00 FOR SECTION NOTES

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PAGE **N4.10**

SEISMIC CABLE BRACING OFF STRUT HANGER TRANSVERSE OPTION FOR SUSPENDED PIPING ON TRAPEZE

ALTERNATE INSTALLATION FOR SINGLE STRUT OPTION

ALTERNATE INSTALLATION FOR DOUBLE STRUT OPTION

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PAGE **A18.6.1**

TRANSVERSE BRACE ALLOWABLE ANGLE VARIATIONS IN PLAN FOR DUCTWORK

THE ANGLE VARIATION MAY INCREASE BEYOND 2.5 DEGREES UP TO 15 DEGREES PROVIDED THE TRANSVERSE BRACES ARE SKEWED IN THE SAME DIRECTION AND A LONGITUDINAL BRACE OCCURS OPPOSITE THE SKEWED ANGLE DIRECTION AS SHOWN BELOW.

SOLID BRACE

CABLE BRACE

NOTE: ANY OR ALL BRACE LOCATIONS ARE PERMITTED TO USE THE ANGLE VARIATION TO MEET FIELD CONDITIONS.

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MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE 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 CHAPTER 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 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 ARE 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.

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 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (e.g. OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

- MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS
- MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #) #0043-13

FAN SCHEDULE

UNIT	LOCATION	"MFR" MODEL NO.	CFM	SP (IN. W.G.)	DUTY	STYLE	FAN WHEEL DIA.	RPM	HP	VOLT/PH	OPER. WT. (LBS.)	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
IEF 1	BLDG C, C-10, C-11, C-12	SQ-98-VG	440	0.6	E	IL	--	1599	1/4	120/1	60	1 M5.07	2 M5.07	1 2 3 4

LEGEND
 DUTY: S-SUPPLY, R-RETURN, E-EXHAUST
 STYLE: BI-BACKWARD INCLINED, FC-FORWARD CURVED, AF-AIRFOIL, RD-RADIAL, TU-TUBULAR, IL-INLINE, VS-VENT SET, VA-VANE AXIAL, TA-TUBE AXIAL, PP-PROPELLAR, RE-ROOF EXHAUST, WE-WALL EXHAUST, CA-CABINET, CE-CEILING

NOTES:
 1 PROVIDE WITH THERMAL OVERLOAD PROTECTED MOTOR.
 2 PROVIDE BACKDRAFT DAMPER.
 3 PROVIDE WITH FACTORY SOLID STATE SPEED CONTROLLER.
 4 INTERLOCK FAN TO RUN WITH AC/2 HVAC UNIT INDICATED IN SCHEDULE, BY DIV. 23.

DIFFUSER, REGISTER & GRILLE SCHEDULE

SYMBOL	DESCRIPTION	KRUEGER	METALAIRE	NAILOR	TITUS	TUTTLE & BAILEY
CD 	MODULAR CORE SURFACE MOUNT CEILING DIFFUSER FLAT FRAME	1240 FRAME 22	9000-1	7500-B	MCD BORDER TYPE 1	SQD-SF
CDL 	MODULAR CORE LAY-IN CEILING DIFFUSER FOR T-BAR CEILING 24x24 PANEL	1240 FRAME 23	9000-6P	7500-L	MCD BORDER TYPE 3	SQD-LT
CRL, CTL, CEL 	CEILING RETURN, TRANSFER OR EXHAUST WITH 1/2" EGG CRATE CORE IN 24x24 PANEL FOR T-BAR CEILING	EGC-5TB	CC5D-TBD	61 EC-L	MODEL 50 F BORDER TYPE 3	CRE500-LT
R, T, E* 	CEILING OR SIDEWALL RETURN, TRANSFER OR EXHAUST GRILLE WITH 35" OR 45" HORIZONTAL BARS.	S 80 H	SRH	7145 H	350 RL	T70D

- NOTES:**
- ALL SYMBOLS NOTED MAY NOT BE USED. REFER TO PLANS FOR SIZE AND QUANTITY.
 - ALL SUPPLY AIR DIFFUSERS ARE 4 WAY BLOW UNLESS SHOWN OTHERWISE.
 - FURNISH ALL PRODUCTS OF A SINGLE MANUFACTURER.
 - COORDINATE DIFFUSER TYPE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
 - OPPOSED BLADE DAMPERS ARE NOT REQUIRED AT DIFFUSERS, REGISTERS OR GRILLES.
 - PROVIDE MANUAL AIR DAMPERS AT EACH BRANCH DUCT TO A SINGLE DIFFUSER, REGISTER OR GRILLE.

MECHANICAL GENERAL NOTES

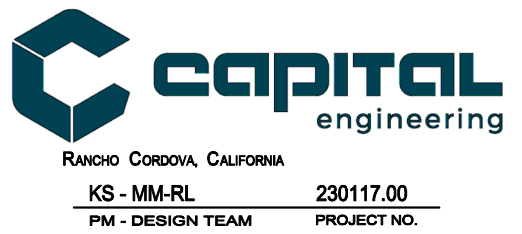
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES AND INDUSTRY STANDARDS.
- VERIFY EXACT LOCATION OF ALL (E) EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS AND GRILLES. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN (E) SYSTEMS AND DRAWINGS.
- COORDINATE EXACT 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 SUPPLY DUFFUSER.
- 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"φ & 9x9) CONTRACTOR SHALL OVERSIZE THE SHEET METAL PLENUM TO ACCOMMODATE THE ROUND DUCT CONNECTION.

MECHANICAL LEGEND cont'd

SYMBOL	ABBREVIATION	DESCRIPTION
	AD, AP	ACCESS DOOR, ACCESS PANEL
	AC	AIR CONDITIONING
	BHP	BRAKE HORSE POWER
	CLG	CEILING
	CEF	CEILING EXHAUST FAN
	CONTR	CONTRACTOR
F	CFM	CUBIC FEET OF AIR FLOW PER MINUTE
	DPR	DAMPER
	DIA	DIAMETER, PHASE
	DL	DOOR LOUVER
	EA	EXHAUST AIR
	EAD	EXHAUST AIR DAMPER
	EF	EXHAUST FAN
	(E), EXIST	EXISTING
	(E)	EXISTING TO BE REMOVED
	ESP	EXTERNAL STATIC PRESSURE
	FPM	FEET PER MINUTE
	FC	FLEXIBLE CONNECTION
	FLR	FLOOR
	KW	KILOWATTS
	KWH	KILOWATT HOUR
	MAD	MANUAL AIR DAMPER
	MAX	MAXIMUM
	MIN	MINIMUM
	(N)	NEW
	POC	POINT OF CONNECTION
	RA	RETURN AIR
	RAD	RETURN AIR DAMPER
	RPM	REVOLUTIONS PER MINUTE
	RLA	RUNNING LOAD AMPERES
	SQFT	SQUARE FEET
	SQIN	SQUARE INCHES
	SP	STATIC PRESSURE
	SA	SUPPLY AIR
	SF	SUPPLY FAN
	T	THERMOSTAT, "X" INDICATES SYSTEM CONTROLLED, INSTALLED AT +46" AFF (TO TOP OF DEVICE)
	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
	TA	TO ABOVE
	TB	TO BELOW
	TP	TOTAL PRESSURE
	TSP	TOTAL STATIC PRESSURE
	TYP	TYPICAL
	UCD	UNDER CUT DOOR

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, 1" THICK INTERNAL LINER, DIMENSIONS ARE OUTSIDE
		MANUAL AIR DAMPER
		RECTANGULAR TO RECTANGULAR TRANSITION, MAX. SLOPE OF 1:3
		RECTANGULAR TO ROUND TRANSITION, MAX. SLOPE OF 1:3
		ELBOW, RECTANGULAR, SMOOTH RADIUS, WITHOUT TURNING VANES R/W = 1.5
		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
		CONICAL DUCT TAKE OFF FROM RECTANGULAR VIA SPIN-IN W/DAMPER AND SCOOP
		FLEXIBLE DUCT (ROUND)
		FLEXIBLE DUCT (FABRIC)



NOLL & TAM ARCHITECTS

729 Heinz Avenue
 Berkeley, CA 94710
 tel 510.542.2200
 fax 510.542.2201



DATE SIGNED: 02/01/2024

APPROVALS

PROJECT TITLE

**Healdsburg, CA
 Healdsburg Library**

139 Piper St,
 Healdsburg, CA 95448

Permit Set

ISSUE DATE: 1/29/2024

N&T JOB NUMBER: 22212.00

REVISIONS

NO.	DATE	DESCRIPTION

SHEET TITLE

**MECHANICAL -
 LEGEND, SCHEDULES
 AND NOTES**

SHEET NUMBER

M0.01

QC
INI
%

SEAL



DATE SIGNED: 02/01/2024

APPROVALS

PROJECT TITLE

**Healdsburg, CA
Healdsburg Library**

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Healdsburg, CA 95448

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REVISIONS

NO.	DATE	DESCRIPTION

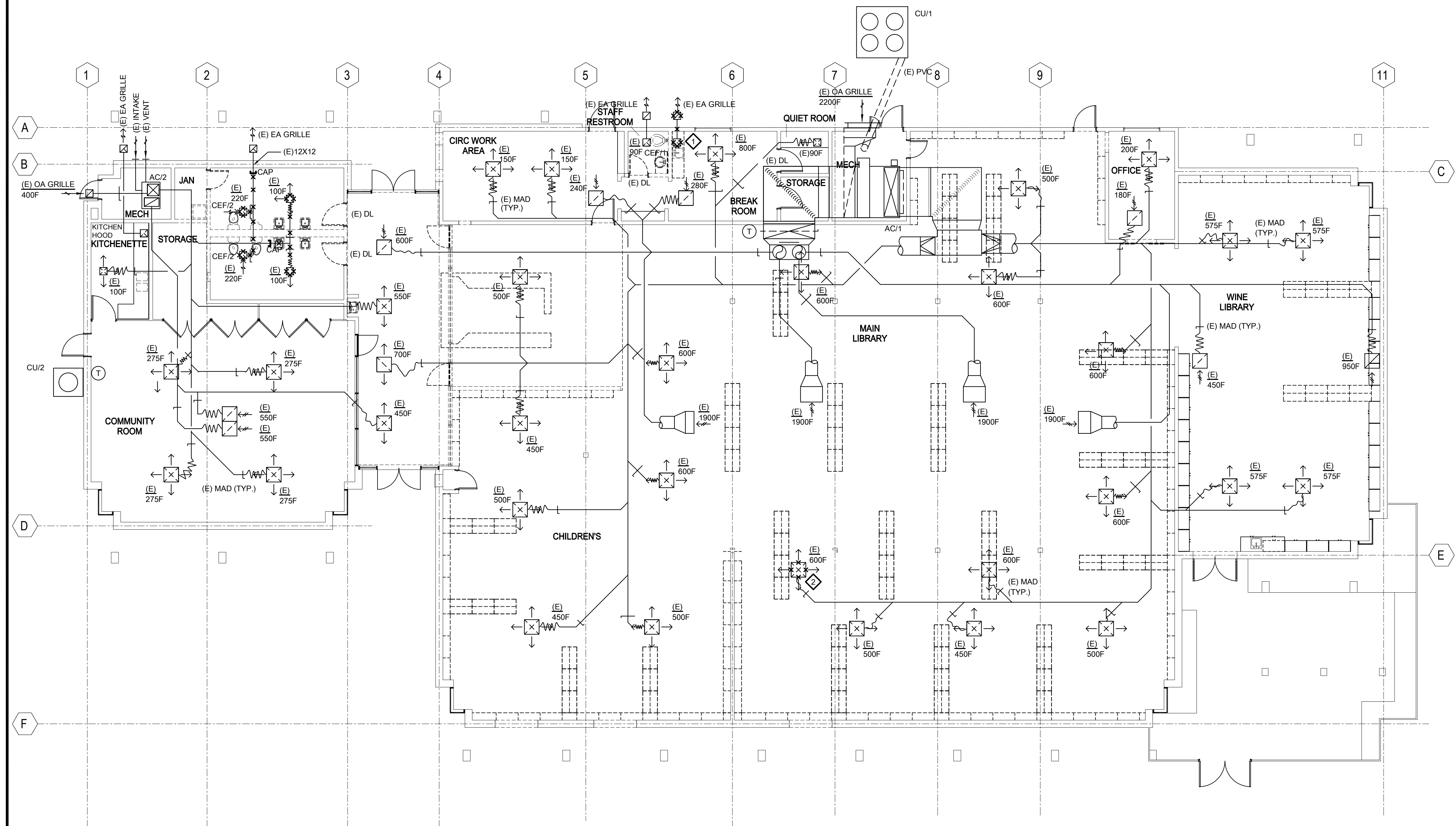
SHEET TITLE
**MECHANICAL -
DEMOLITION PLAN -
1ST FLOOR**

SHEET NUMBER

M1.31

- DEMOLITION KEYNOTES
- ◇ REMOVE (E) KITCHEN HOOD, FAN, DUCTWORK AND GRILLE(S). PATCH OPENING TO MATCH SURROUNDING SURFACES.
 - ◇ REMOVE (E) GRILLE AND PREPARE FOR NEW GRILLE IN SAME LOCATION.

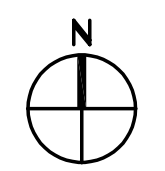
- DEMOLITION SHEET NOTES
1. INFORM ARCHITECT OF ANY DIFFERENCES BETWEEN THE DESIGN DRAWING AND THE CONDITIONS IN THE FIELD.



MECHANICAL - DEMOLITION PLAN - 1ST FLOOR

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

1
M1.31





DATE SIGNED: 02/01/2024

SEAL

APPROVALS

PROJECT TITLE

**Healdsburg, CA
Healdsburg
Library**

139 Piper St,
Healdsburg, CA 95448

Permit Set

ISSUE DATE 1/29/2024

N&T JOB NUMBER 22212.00

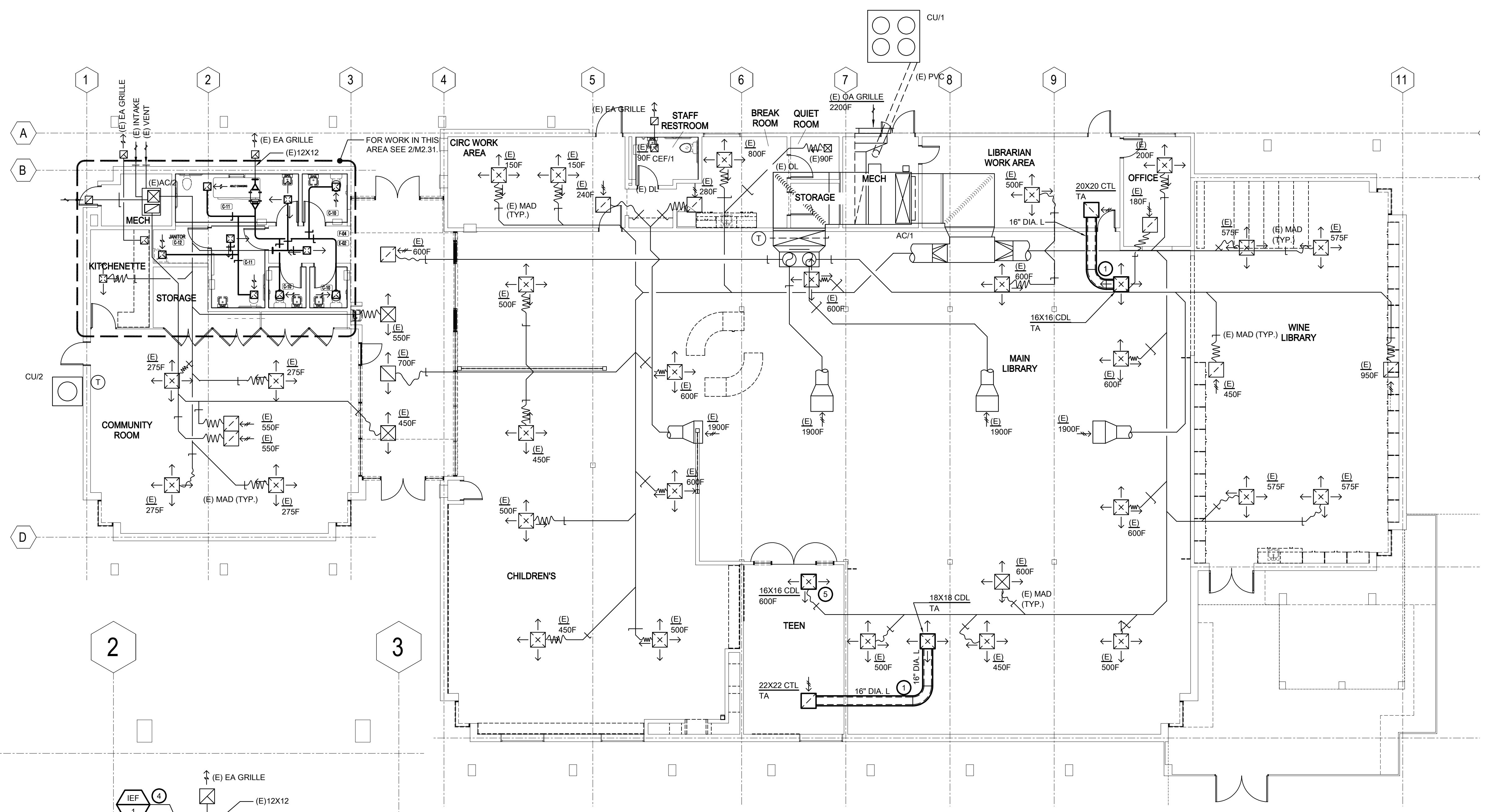
REVISIONS

NO.	DATE	DESCRIPTION

SHEET TITLE
**MECHANICAL - FLOOR
PLAN - 1ST FLOOR**

SHEET NUMBER

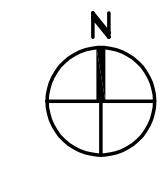
M2.31



MECHANICAL - FLOOR PLAN - 1ST FLOOR

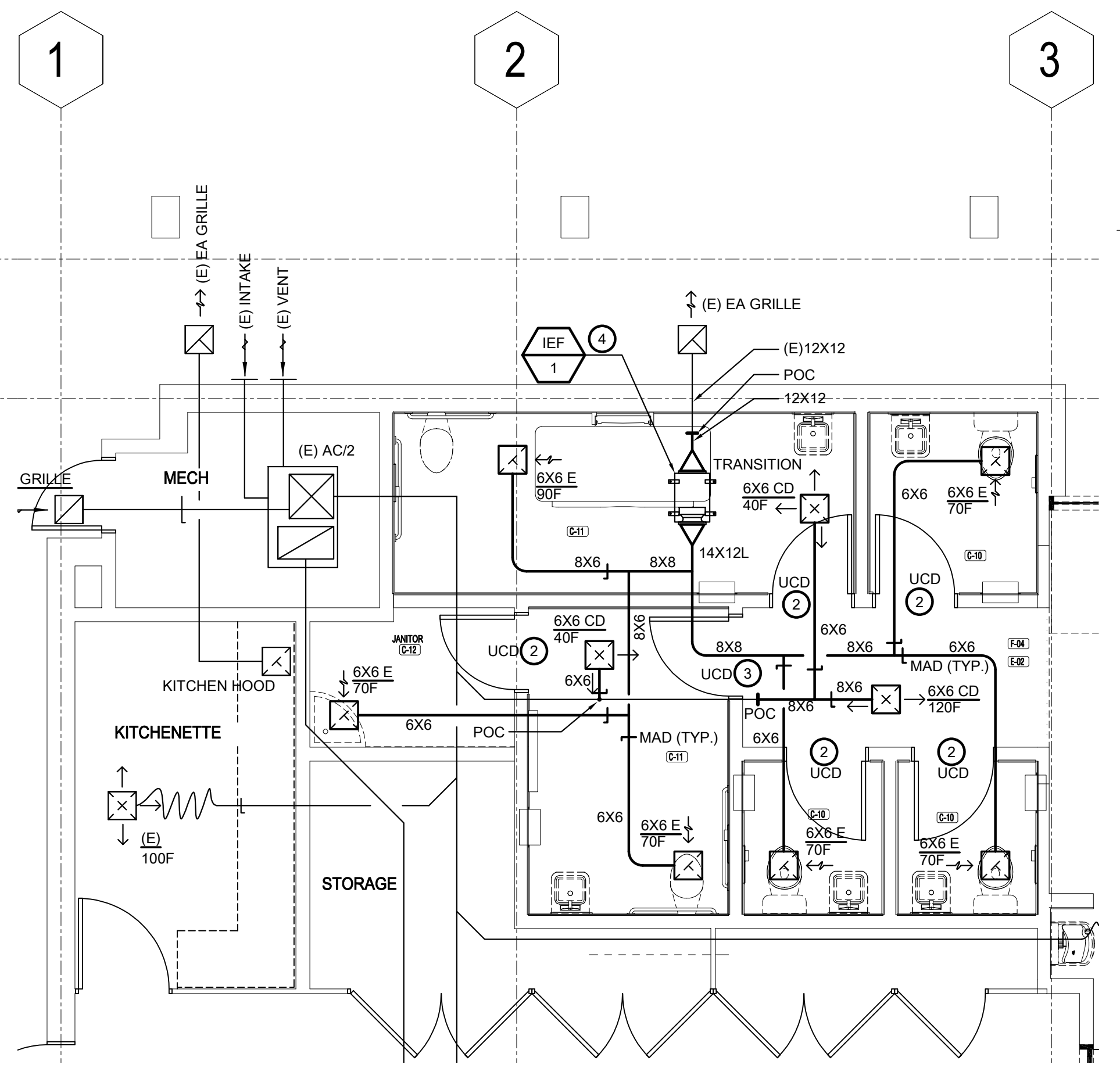
SCALE : 1/8" = 1'-0"

1
M2.31



- KEYNOTES**
- 1 PROVIDE MINIMUM ONE ELBOW FOR SOUND ATTENUATION.
 - 2 UNDER CUT DOOR 0.75", COORDINATE WITH ARCHITECTURAL PLANS.
 - 3 UNDER CUT DOOR 1.0", COORDINATE WITH ARCHITECTURAL PLANS.
 - 4 PROVIDE TRANSITIONS FROM INLINE EXHAUST FAN (IEF) AS REQUIRED FOR THE INLET AND OUTLET OF THE FAN.
 - 5 NEW GRILLE. CONNECT TO EXISTING DUCTWORK.

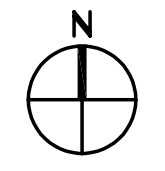
- SHEET NOTES**
1. WHERE MANUAL AIR VOLUME DAMPERS (MAD) ARE NOT PROVIDED, PROVIDE MAD WHERE NECESSARY TO COMPLETE A SYSTEM TEST AND BALANCE.
 2. REBALANCE BUILDING TO THE CFMS NOTED ON THE FLOOR PLANS.



MECHANICAL - ENLARGED FLOOR PLAN 2

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

2
M2.31



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DATE SIGNED: 02/01/2024

APPROVALS

PROJECT TITLE

Healdsburg, CA
Healdsburg Library

139 Piper St,
Healdsburg, CA 95448

Permit Set

ISSUE DATE 1/29/2024

N&T JOB NUMBER 22212.00

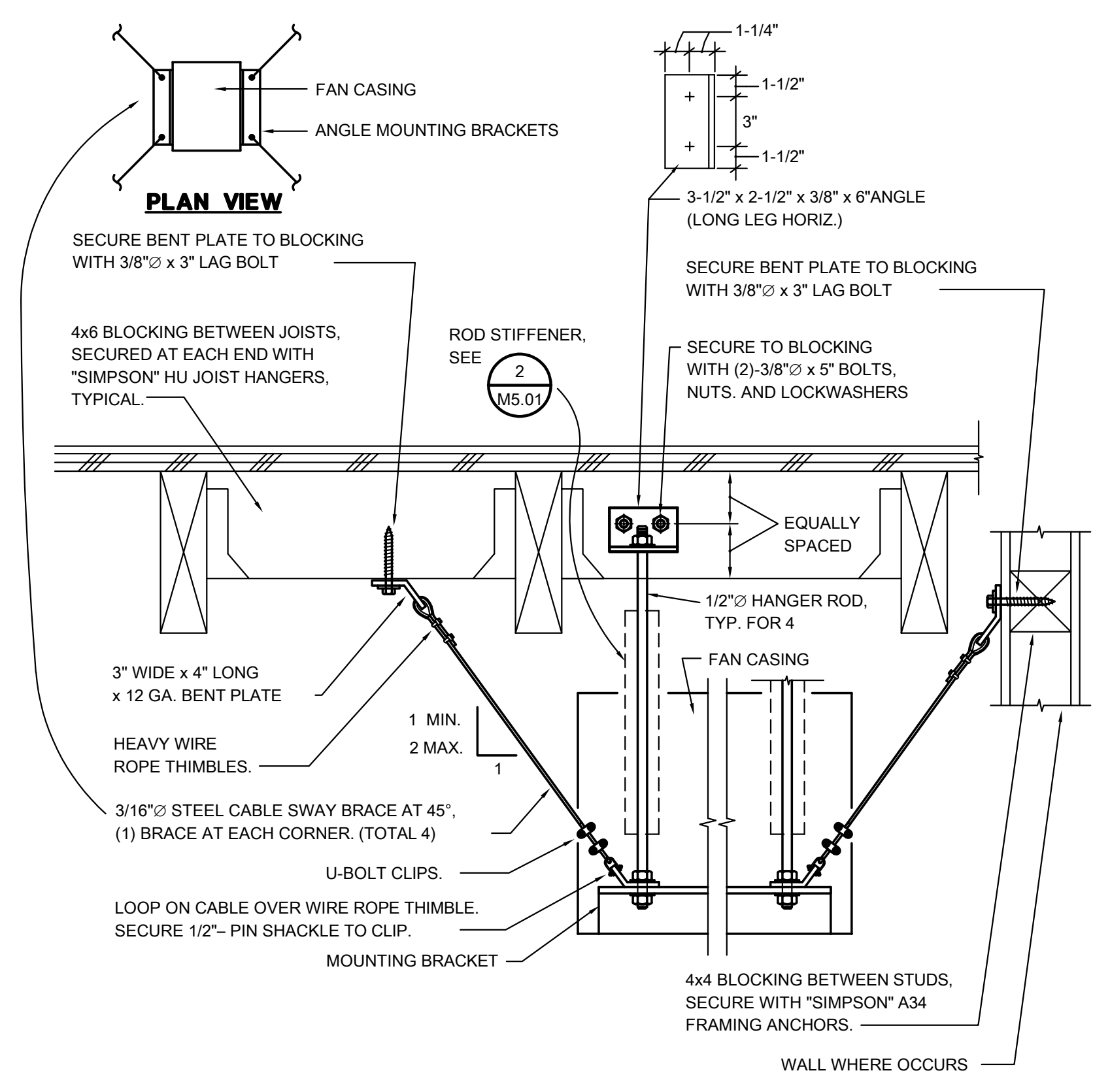
REVISIONS

NO.	DATE	DESCRIPTION

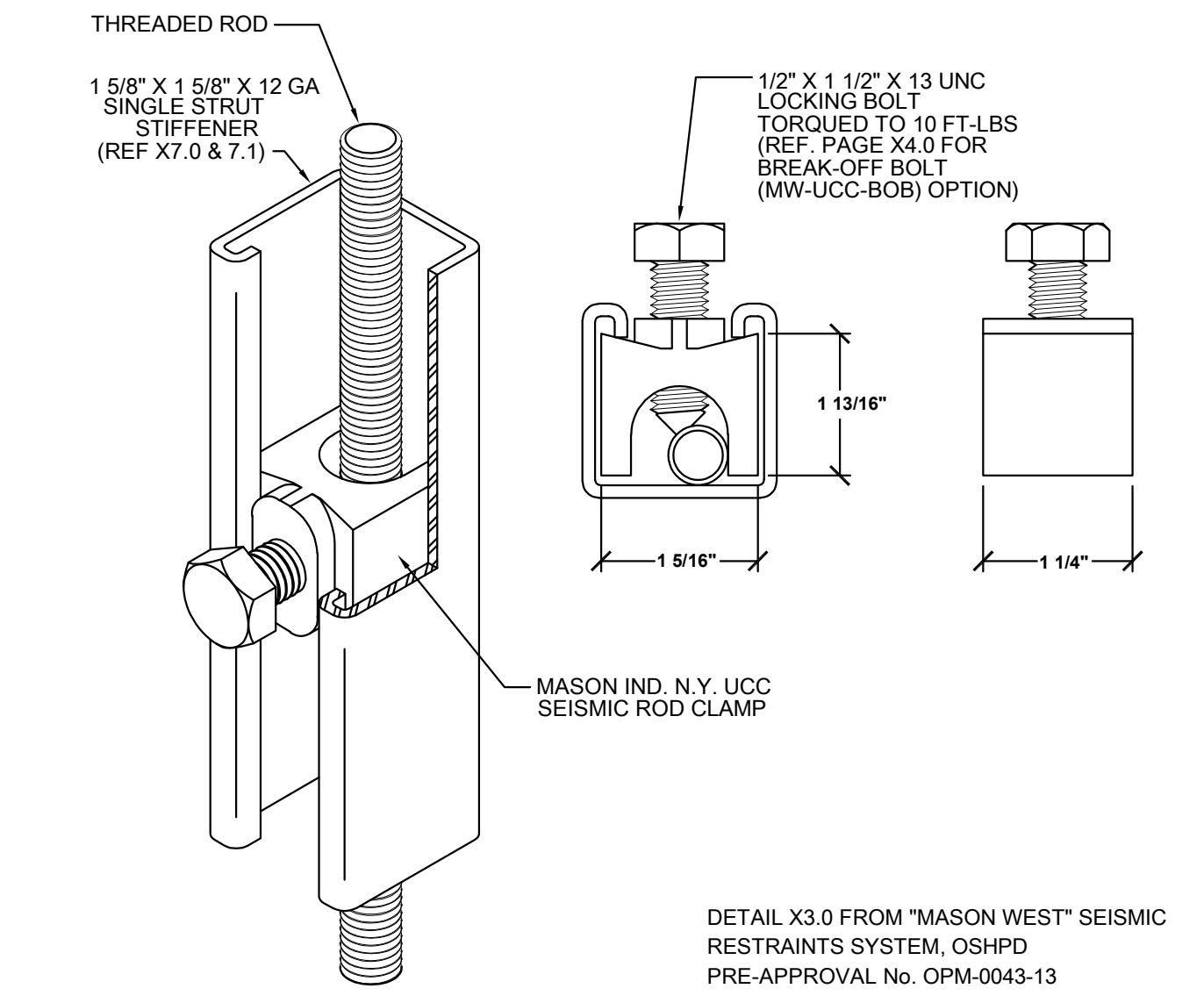
SHEET TITLE
MECHANICAL - DETAILS

SHEET NUMBER

M5.01



2 TYPICAL IN-LINE EXH. FAN MOUNTING **1**
SCALE : NONE **M5.01** SCALE : NONE **M5.01**

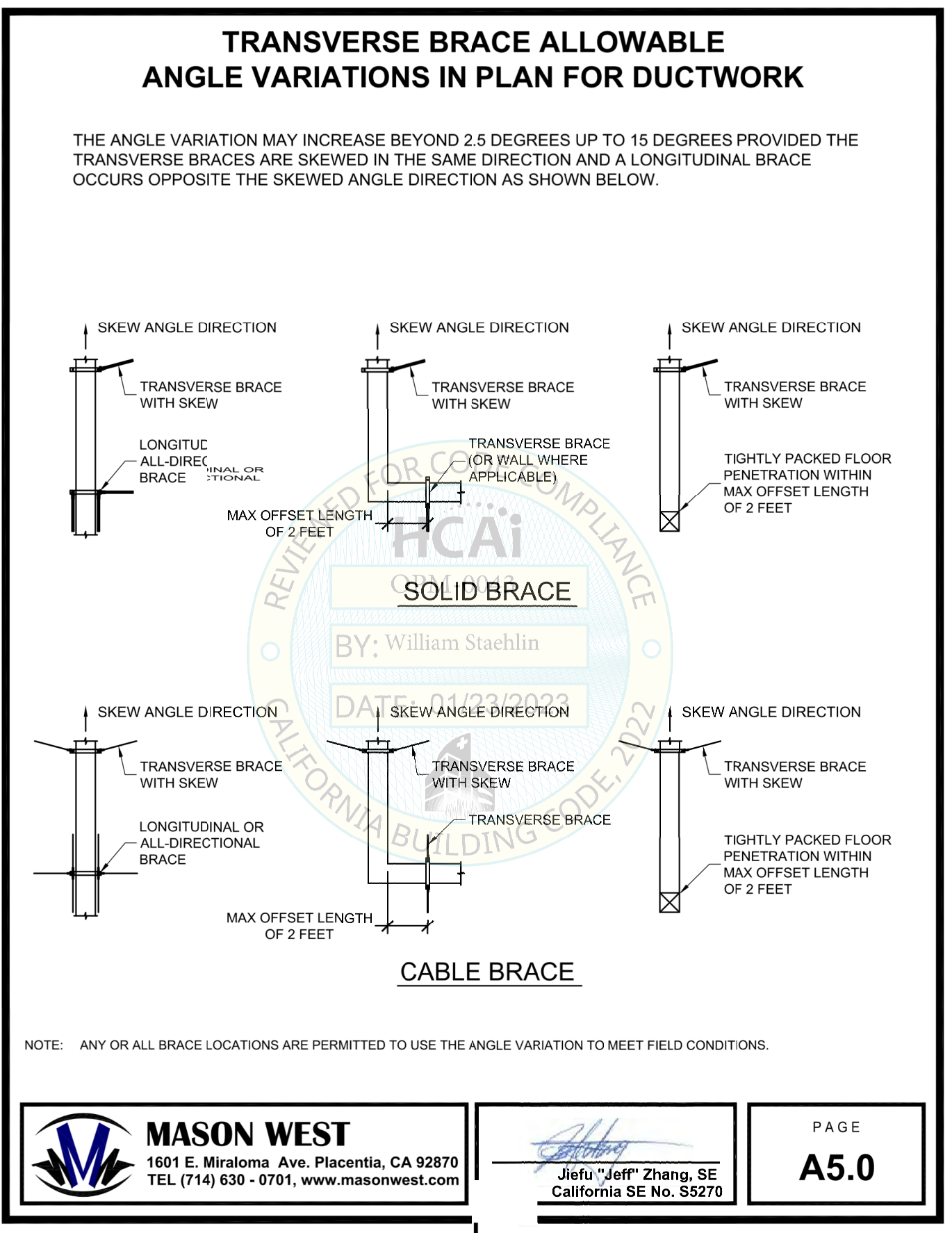


DETAIL X3.0 FROM "MASON WEST" SEISMIC RESTRAINTS SYSTEM, OSHPD PRE-APPROVAL No. OPM-0043-13

TYPE UCC WITH STEEL STRUT ASSEMBLY RATINGS (ASD)

ROD SIZE (INCHES)	MAX COMPRESSIVE FORCE (LBS)	MAXIMUM STRUT STIFFENER LENGTH (INCHES)	MAX UCC SPACING (INCHES)	MAXIMUM UNBRACED LENGTH (INCHES)
3/8	440	156	28	18
1/2	735	156	38	25
5/8	1155	156	48	31
3/4	1700	156	57	37
3/4	3130	84	42	27

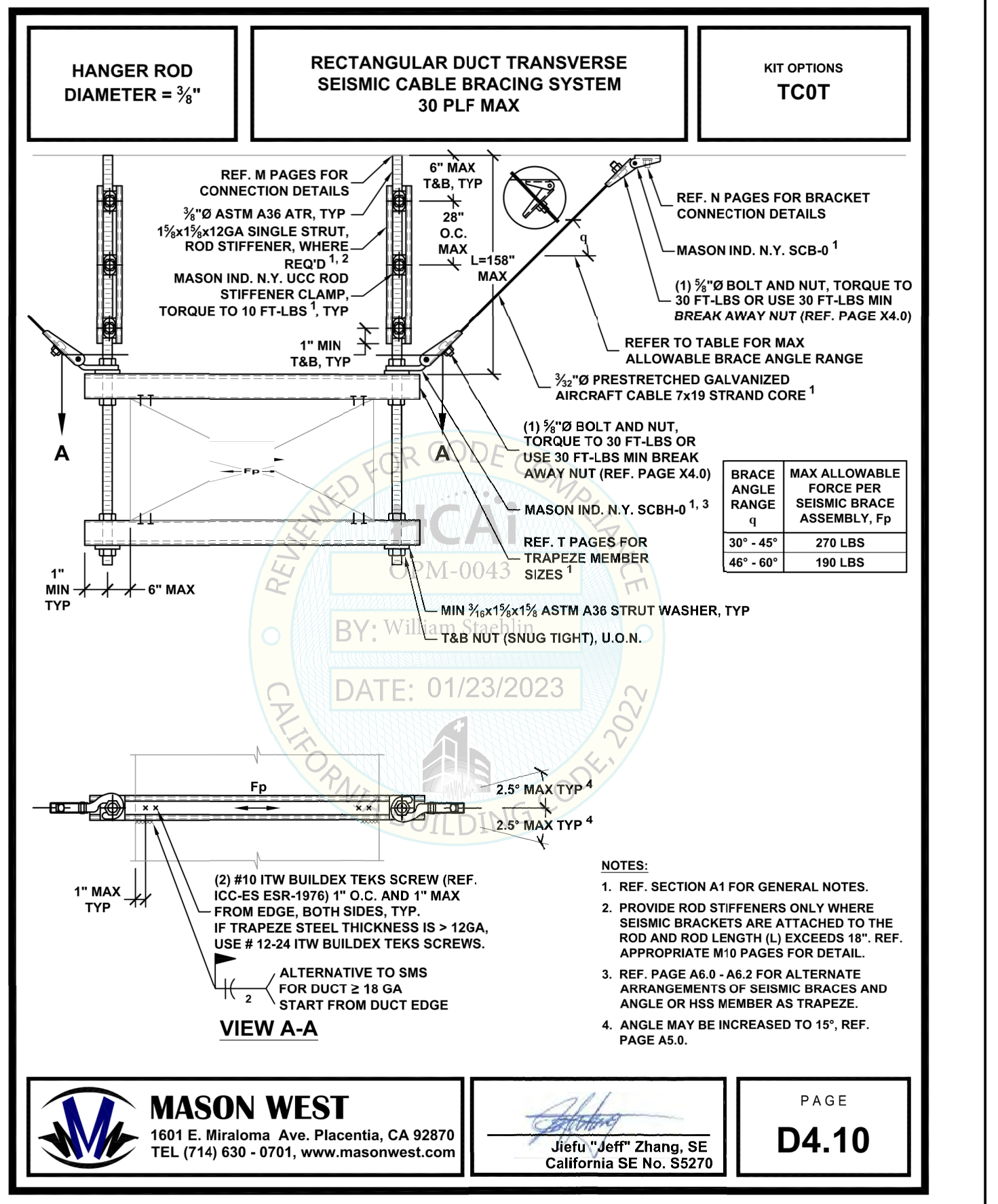
ROD STIFFENER DETAIL
SCALE : NONE



MASON WEST
1601 E. Miraloma Ave. Placentia, CA 92870
TEL (714) 630 - 0701, www.masonwest.com

Jiefu "Jeff" Zhang, SE
California SE No. S5270

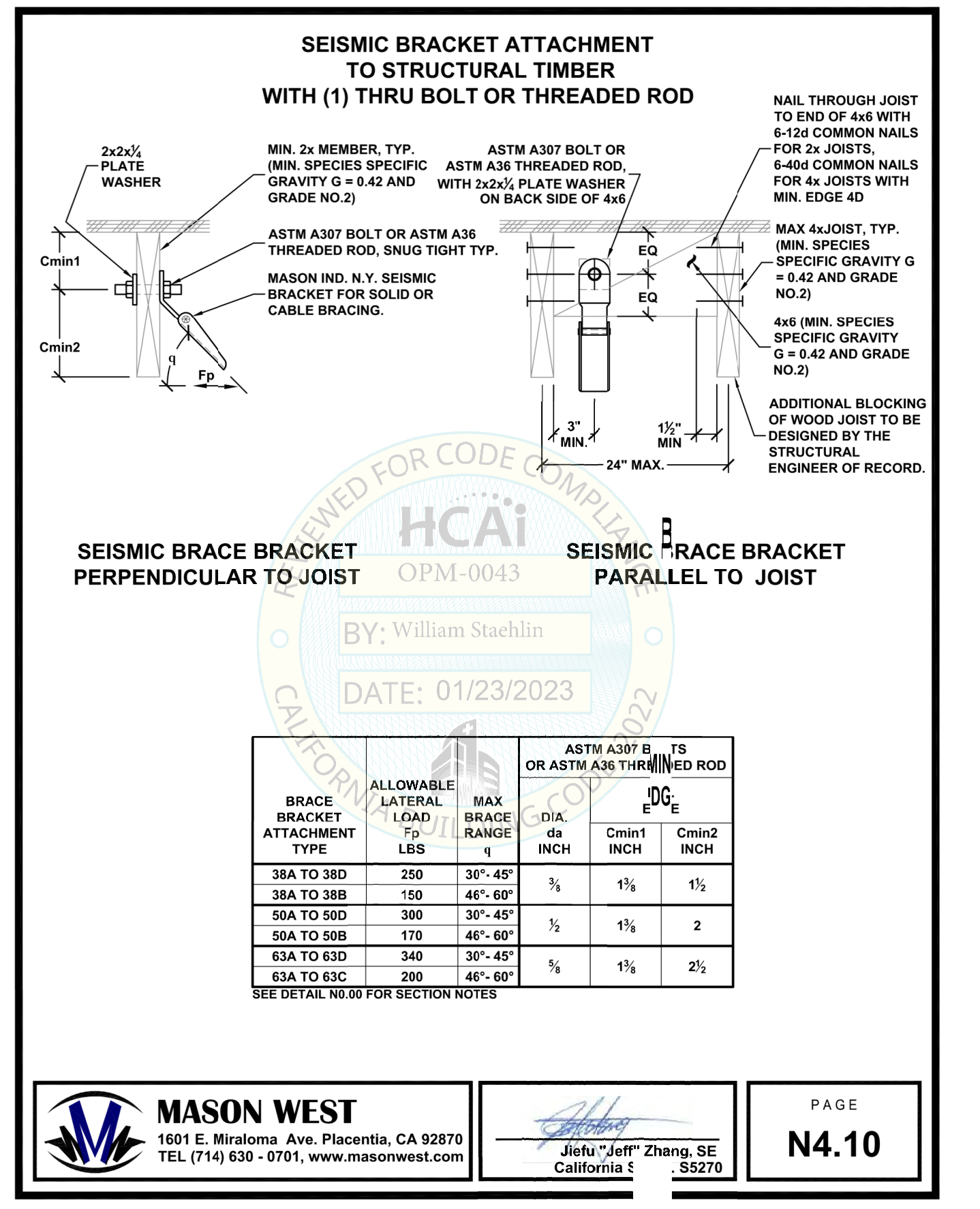
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PAGE **D4.10**



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California SE No. S5270

PAGE **N4.10**

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DATE SIGNED: 03/08/2024

APPROVALS

PROJECT TITLE

**Healdsburg, CA
Healdsburg
Library**

139 Piper St,
Healdsburg, CA 95448

Permit Set

ISSUE DATE: 1/29/2024
N&T JOB NUMBER: 22212.00

REVISIONS	DATE	DESCRIPTION
△	3-11-2024	PERMIT SET COMMENTS 1

SHEET TITLE
**MECHANICAL -
CONTROLS**

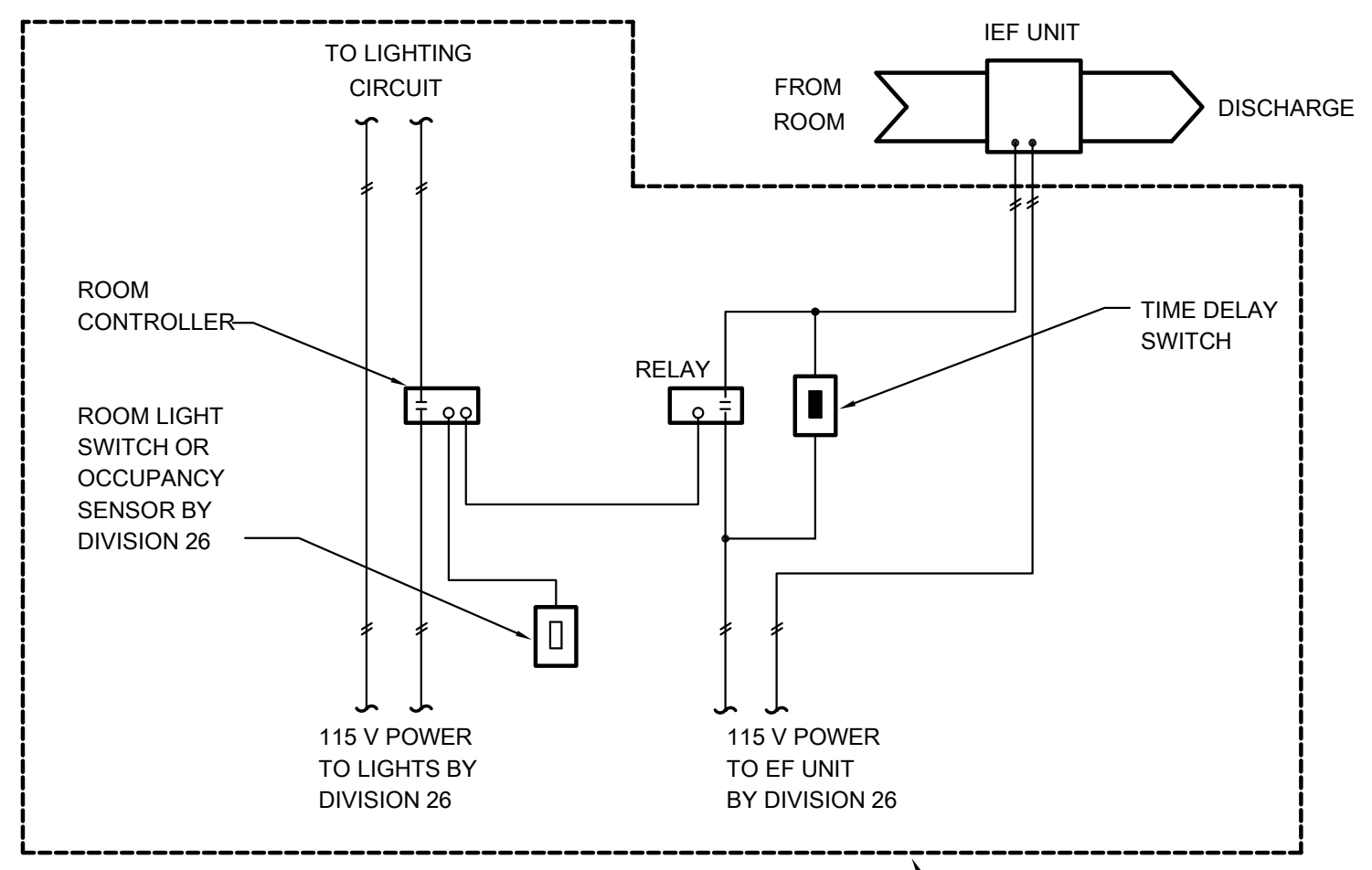
SHEET NUMBER

M6.01

- NOTE**
- DIAGRAM TYPICAL FOR ALL EXHAUST FANS INTERLOCKED WITH ROOM LIGHTS. EACH UNIT TO BE PROVIDED WITH 0-60 MINUTE TIME DELAY SWITCH. SET TIME DELAY FOR 5 MINUTES.
 - REFER TO ELECTRICAL FOR ALL ELECTRICAL REQUIREMENTS

SEQUENCE

EXHAUST FAN WILL TURN ON WHENEVER THE ROOM LIGHTS ARE ACTIVATED VIA OCCUPANCY SENSOR OR LIGHT SWITCH. THE TIME DELAY SWITCH WILL ENABLE THE FAN TO REMAIN ON FOR 5 MINUTES (ADJ.) AFTER THE ROOM LIGHTS ARE TURN OFF.



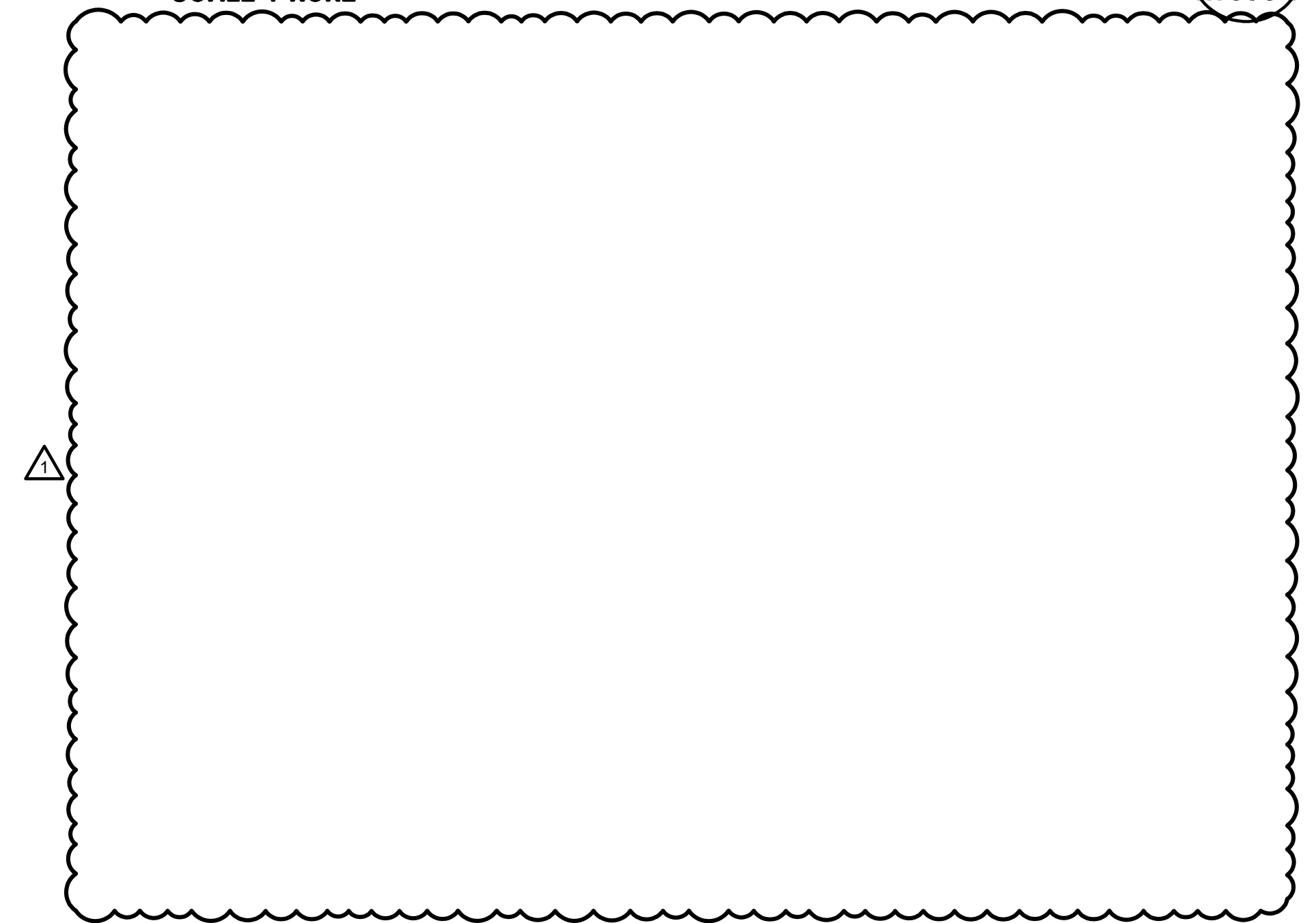
SIX ROOMS/SINGLE IEF UNIT
NOTE: FURNISHED AND INSTALLED BY DIVISION 26.

EXHAUST FAN INTERLOCKED WITH ROOM LIGHTS

EXHAUST FAN CONTROL DIAGRAM

SCALE : NONE

1
M6.01



SEAL



DATE SIGNED: 02/01/2024

APPROVALS

PROJECT TITLE

**Healdsburg, CA
Healdsburg Library**

139 Piper St,
Healdsburg, CA 95448

Permit Set

ISSUE DATE: 1/29/2024

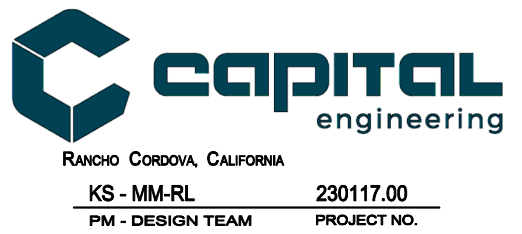
N&T JOB NUMBER: 22212.00

REVISIONS	DATE	DESCRIPTION

SHEET TITLE
T24 DOCUMENTATION

SHEET NUMBER

M7.01



STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Healdsburg Library Report Page: (Page 3 of 5)
Project Address: Healdsburg Library Date Prepared: 2023-06-13T17:51:32-04:00

H. DOMESTIC HOT WATER CONTROLS
This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(d).

	Yes	No	Not Applicable	Requirement
01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California Plumbing Code 613.0.
03	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)2 unless systems serves healthcare facility.
04	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.
05	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Combustion air positive shut-off shall be provided per 160.4(3) on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Boiler combustion air fans with motor >= 10 hp shall meet one of the following • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Newly installed boilers with an input capacity (d)gtr/ 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.

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Report Version: 2022.0.000 Compliance ID: 114487-0623-0002
Schema Version: rev 20220101 Report Generated: 2023-06-13 14:51:35

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Healdsburg Library Report Page: (Page 2 of 5)
Project Address: Healdsburg Library Date Prepared: 2023-06-13T17:51:32-04:00

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

F. DOMESTIC HOT WATER EQUIPMENT
This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1/ 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03		04		05		06			
System Name	Exception to 140.5(c)/ 170.2(d)3	Exceptions Do Not Apply	Gas Service Water Heating System >= 1MMBtu/h	Capacity-weighted Average Efficiency %	11	12	13	14	15
07	08	09	10	11	12	13	14	15	
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
EW-1	Commercial Electric Storage Water Heater	36	20,460					1.05	1.05

FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
19	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5
20	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Isolation valves for instantaneous water heater with input rating >6.8 kBtu/h or 2 kW has been specified per 110.3(c)6
21	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	School buildings < 25,000 ft² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

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STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Healdsburg Library Report Page: (Page 5 of 5)
Project Address: Healdsburg Library Date Prepared: 2023-06-13T17:51:32-04:00

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

Documentation Author Name: Aaron Wintersmith Documentation Author Signature:

Company: Capital Engineering Signature Date: 06/13/2023
Address: CEA/ MERS Certification Identification (if applicable):
City/State/Zip: Phone:

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 6 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 that 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 that is provided to the enforcement agency for all applicable inspections.

Responsible Designer Name: Kevin Stillman Responsible Designer Signature:

Company: Capital Engineering Date Signed: 06/13/2022
Address: 11020 Sun Center Dr #100 License: M33498
City/State/Zip: Rancho Cordova CA 95670 Phone: 916-851-3563

Generated Date/Time: Documentation Software: Energy Code Ace
Report Version: 2022.0.000 Compliance ID: 114487-0623-0002
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STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Healdsburg Library Report Page: (Page 1 of 5)
Project Address: Healdsburg Library Date Prepared: 2023-06-13T17:51:32-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Healdsburg	02	Climate Zone	2
03	Occupancy Types Within Project (select all that apply):				
• Library					

B. PROJECT SCOPE
This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140./ 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N/ 180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03
My project consists of (check all that apply):	System Type ^{1,2}	System Components
<input type="checkbox"/> New system (DHW system being installed for the first time)		<input type="checkbox"/> Equipment <input type="checkbox"/> Distribution <input type="checkbox"/> Controls
<input checked="" type="checkbox"/> System Alteration (equipment, distribution or controls)	Individual System (serving nonresidential spaces)	<input checked="" type="checkbox"/> Equipment <input type="checkbox"/> Distribution <input checked="" type="checkbox"/> Controls

*FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.
¹ Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.
² DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies*

C. COMPLIANCE RESULTS
Table will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	Compliance Results
Table F	Table G	Table H	
Yes		Yes	COMPLIES

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

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STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Healdsburg Library Report Page: (Page 4 of 5)
Project Address: Healdsburg Library Date Prepared: 2023-06-13T17:51:32-04:00

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

Form/Title

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

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

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
There are no forms required for this project.

Generated Date/Time: Documentation Software: Energy Code Ace
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Schema Version: rev 20220101 Report Generated: 2023-06-13 14:51:35

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GENERAL DEMOLITION NOTES

- THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL LINES, LEVELS, DIMENSIONS AND EXISTING CONDITIONS. THE INFORMATION ON THE DRAWINGS REGARDING EXISTING ELECTRICAL EQUIPMENT AND BRANCH CIRCUITS IS THE RESULT OF FIELD SURVEY AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. IT IS INTENDED, HOWEVER, AS A GUIDE FOR USE IN FIELD VERIFICATION ONLY.
- WHEREVER THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS TO BE REMOVED, ALL CONDUIT AND WIRE BACK TO THE PANEL SHALL BE ENTIRELY REMOVED AND THE CIRCUIT IN PANEL SHALL BE MARKED "SPARE". THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.
- WHEREVER THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS NOT TO BE REMOVED, THE CIRCUIT SHALL BE MAINTAINED CONTINUOUS TO THE EXISTING EQUIPMENT IN USE WITH MINIMUM INTERRUPTIONS OF POWER. THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.
- WHENEVER THE REMOVAL OF EXISTING CONSTRUCTION REVEALS ELECTRICAL WORK THAT IS TO REMAIN, BUT IS IN CONFLICT WITH NEW CONSTRUCTION, RELOCATE THE EXISTING ELECTRICAL WORK AS NECESSARY TO AVOID ANY CONFLICT. RELOCATION WORK SHALL BE DONE TO MINIMIZE ANY INTERRUPTIONS OF POWER.
- CARE SHALL BE TAKEN IN ORDER TO IDENTIFY AND PROTECT ALL EXISTING ELECTRICAL WORK THAT IS TO REMAIN.
- ENSURE RECONNECTION OF EXISTING DEVICES WHOSE CIRCUITS HAVE BEEN INTERRUPTED BY DEMOLITION BY PROVIDING NEW CONNECTION TO ANOTHER EXISTING TO REMAIN DEVICE OR PANEL.
- ALL EXISTING ELECTRICAL EQUIPMENT SHOWN ON THE PLANS FOR NEW WORK ARE THOSE WHICH ARE TO BE REUSED DURING SOME PHASE OF THE NEW CONSTRUCTION OR REQUIRE SOME SPECIAL CONSIDERATIONS, SUCH AS PROTECTION IN PLACE. ALL (E) ELECTRICAL, LIGHTING, AND LOW VOLTAGE SYSTEM DEVICES OR EQUIPMENT AND ALL RELATED CONDUITS, BOXES, AND WIRING THAT ARE NOT SHOWN, ARE (E) TO REMAIN AND SHALL BE MAINTAINED AND PROTECTED IN PLACE.
- THE ELECTRICAL CONTRACTOR SHALL REVISE EXISTING PANEL SCHEDULES TO CORRESPOND TO ACTUAL CONDITIONS AFTER ALL DEMOLITION AND NEW WORK IS COMPLETED.
- REMOVE ALL ABANDONED CONDUIT AND WIRE ABOVE CEILINGS.
- WHEN ELECTRICAL EQUIPMENT OR DEVICE IS REMOVED FROM AN EXISTING WALL OR CEILING WHICH IS TO REMAIN, PATCH ABANDONED OPENINGS TO MATCH EXISTING FINISH.
- IN GENERAL, THE DEMOLITION PLANS SHOW ALL EXISTING EQUIPMENT THAT IS TO BE REMOVED UNLESS NOTED OTHERWISE. HOWEVER, ELECTRICAL EQUIPMENT, WHETHER SHOWN ON THIS DRAWING OR NOT, WHERE LOCATED IN THE AREA SCHEDULED TO BE DEMOLISHED, SHALL BE REMOVED COMPLETELY (INCLUDING CONDUIT AND WIRES BACK TO THE LAST REMAINING FIXTURE, OUTLET, DEVICE, ETC.) UNLESS OTHERWISE NOTED. COORDINATE DEMOLITION WORK WITH ARCHITECT AND GENERAL CONTRACTOR.
- EXISTING CONDUIT FEEDS UP THROUGH FLOOR SHALL BE CUT OFF AND PLUGGED FLUSH WITH FLOOR WHERE EXISTING WALLS, ETC., ARE REMOVED. REMOVE CONDUCTORS FROM THE POINT BACK TO LAST OUTLET REMAINING IN SERVICE.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC. REMAINING IN OPERATION WHICH IS BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING OF CONDUIT, WIRE, ETC. AS REQUIRED.
- IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF EXISTING CIRCUITS AND ADJUST CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF REQUIRED
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS, IN AS-FOUND CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT. EQUIPMENT TO BE TEMPORARILY REMOVED DUE TO THE CONSTRUCTION SHALL BE CLEANED AND RE-INSTALLED IN ITS ORIGINAL CONDITION OR AS REQUIRED.
- WHERE EXISTING WALLS HAVE BEEN REMOVED, AND THERE ARE EXISTING CONDUIT FEEDS WHICH HAVE BEEN CUT OFF AND CAPPED FLUSH WITH THE FLOOR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DIMENSION ALL SUCH CONDUITS ON THE "AS-BUILT" DRAWINGS.
- IF ANY EQUIPMENT THAT IS SCHEDULED TO REMAIN IN OPERATION IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPLACED TO ITS ORIGINAL CONDITION SATISFACTORY TO THE OWNER AT CONTRACTOR'S EXPENSE.

SYMBOLS LIST

- FLUSH CEILING MOUNTED JUNCTION BOX, U.O.N.
- FLUSH WALL MOUNTED JUNCTION BOX, UP 18" U.O.N.
- 20A 3PG 125V DUPLEX RECEPTACLE, UP 18" U.O.N.
- 20A 3PG 125V DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE, UP 18" U.O.N.
- 20A 3PG 125V DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
- 20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, UP 18" U.O.N.
- 20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
- FLUSH IN FLOOR OUTLET BOX WITH QUANTITY OF 20A 3PG 125V DUPLEX RECEPTACLES AS INDICATED ON PLANS
- COMBINED TELEPHONE/DATA OUTLET, UP 18" U.O.N.
NUMBER INDICATES QUANTITY OF DATA OUTLET JACKS
- COMBINED VOICE/DATA OUTLET, MOUNTED ABOVE COUNTER U.O.N.
- WIRELESS ACCESS POINT (WAP) W/CAT6 CABLE/JACKS AT CEILING
- CONDUIT AND WIRE CONCEALED IN CEILING OR WALL
- CONDUIT AND WIRE CONCEALED IN OR UNDER SLAB OR UNDERGROUND
- CONDUIT AND WIRE RUN EXPOSED
- CROSSMARKS INDICATE QUANTITY OF #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR, NO HASHMARKS INDICATES (2) #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR, U.O.N.
- GROUND WIRE
- WIRE SIZE 10 AWG FOR ALL CONDUCTORS, INCLUDING GROUND WIRE, THROUGHOUT THE COMPLETE CIRCUIT
- FLEXIBLE METALLIC CONDUIT
- HOMERUN TO PANELBOARD OR TERMINAL BOARD, AS NOTED ON PLANS
- COMPLETE CONNECTION OF EQUIPMENT
- CONDUIT STUBBED OUT, CAPPED AND MARKED
- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL PLANS
- DETAIL DESIGNATION - SEE DETAIL 3, SHEET E-6
- NUMBERED SHEET NOTE
- NUMBERED SHEET NOTE THAT REFERS TO TYPICAL ITEMS ON SHEET

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
CO	CONDUIT ONLY
CU	COPPER
E.C.	ELECTRICAL CONTRACTOR
EM	EMERGENCY LIGHT FIXTURE WITH BATTERY PACK, SWITCHABLE
(E)	EXISTING
EQPT	EQUIPMENT
EXT	EXTERIOR
FMC	FLEXIBLE METALLIC CONDUIT
FTL	FEED THROUGH LUGS
GFI	GROUND FAULT CIRCUIT INTERRUPTING TYPE RECEPTACLE
IDF	INTERMEDIATE DISTRIBUTION FRAME
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION FRAME
MLO	MAIN LUGS ONLY
MTD	MOUNTED
(N)	NEW
N.E.C.	NATIONAL ELECTRICAL CODE
N.I.E.C.	NOT IN ELECTRICAL CONTRACT
O.A.H.	OVERALL HEIGHT
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
P	INDICATES FIXTURES ON PHOTOCCELL CONTROL
PNL	PANEL
S.A.D.	SEE ARCHITECTURAL DRAWINGS
STC	SIGNAL TERMINAL CABINET
TC	INDICATES FIXTURES ON TIMECLOCK CONTROL
U.O.N.	UNLESS OTHERWISE NOTED
WP	WEATHER PROOF, NEMA 3R

SYMBOLS LIST

- ALL SWITCH AND CONTROL MOUNTING HEIGHTS OF 48" SHALL BE TO TOP OF THE DEVICE BOX. ALL RECEPTACLES WITH MOUNTING HEIGHT OF UP TO 18" SHALL BE NO LOWER THAN 15" TO BOTTOM OF THE DEVICE BOX, TYPICAL, U.O.N.
- INDICATES LUMINAIRE TYPE, SEE LUMINAIRE SCHEDULE
RECESSED LENSED LUMINAIRE
 - INDICATES EMERGENCY LUMINAIRE. SEE ABBREVIATIONS FOR TYPE OF EMERGENCY SOURCE
 - RELOCATED EXISTING LUMINAIRE
 - SURFACE CEILING MOUNTED LUMINAIRE
 - PENDANT OR SURFACE MOUNTED LUMINAIRE, SEE LUMINAIRE SCHEDULE
 - RECESSED DOWNLIGHT LUMINAIRE
 - RECESSED LINEAR WALLWASHER, OPEN AREA INDICATES DIRECTION OF ILLUMINATION
 - LINE VOLTAGE SINGLE POLE TOGGLE SWITCH, LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
 - LINE VOLTAGE TWO POLE TOGGLE SWITCH, UP 48" U.O.N.
 - LINE VOLTAGE THREE-WAY TOGGLE SWITCH, UP 48" U.O.N.
 - LINE VOLTAGE KEY OPERATED TOGGLE SWITCH
 - LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT, LIGHT IS ON WHEN CIRCUIT IS CLOSED, UP 48" U.O.N.
 - LOW VOLTAGE MOMENTARY CONTACT SWITCH - SEE LOW VOLTAGE RELAY SCHEDULE, LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
 - LOW VOLTAGE KEYPED MOMENTARY CONTACT SWITCH - SEE LOW VOLTAGE RELAY SCHEDULE, LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
 - WALL MOUNTED SWITCH TYPE INFRARED OCCUPANCY SENSOR; UP 48" U.O.N.; SINGLE OR DUAL AS NOTED BY LETTERS ADJACENT. SET TO FIXED 20 MINUTE TIME DELAY AND MAX SENSITIVITY
 - WALL MOUNTED DIGITAL SWITCH, UP 48" U.O.N.; LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED
 - WALL MOUNTED SINGLE OR MULTI-ZONE DIGITAL DIMMER SWITCH, UP 48" U.O.N.; LOWER CASE LETTERS ADJACENT INDICATE RESPECTIVE ZONES TO BE SIMULTANEOUSLY MANUALLY CONTROLLED; NUMERAL DESIGNATES NUMBER OF ZONES ASSIGNED TO THE DEVICE
 - CEILING MOUNTED DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR
 - WALL MOUNTED DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR
 - LOW VOLTAGE COLD TEMPERATURE PIR OCCUPANCY SENSOR
 - CEILING MOUNTED LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR
 - ROOM CONTROLLER
 - ADJACENT NUMERAL REFERS TO THE NUMBER OF ZONES TO BE CONTROLLED. VENDOR OR CONTRACTOR TO PROVIDE QUANTITY OF ROOM CONTROLLERS REQUIRED FOR THE NUMBER OF CONTROLLED ZONES.
 - PLUG LOAD ROOM CONTROLLER
 - MAIN SWITCHBOARD, DISTRIBUTION PANEL OR MOTOR CONTROL CENTER
 - FLUSH MOUNTED PANELBOARD, 6'-6" TO TOP
 - SURFACE MOUNTED PANELBOARD, 6'-6" TO TOP
 - FUSED EQUIPMENT DISCONNECT SWITCH WITH FUSE SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER
 - MOTOR WITH FLEXIBLE CONDUIT CONNECTION AND DISCONNECT
 - LINE VOLTAGE MOTOR RATED TOGGLE SWITCH INSTALLED AT EQPT SHOWN
 - TRANSFORMER
 - COPPER GROUND ROD

CALIFORNIA GREEN BUILDING STANDARDS COMPLIANCE

ALL EXTERIOR LUMINAIRES SPECIFIED IN THESE CONTRACT DOCUMENTS COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE AND THE CALIFORNIA GREEN BUILDING STANDARDS CODE, SECTION A5.106.8 LIGHT POLLUTION REDUCTION. EXTERIOR LUMINAIRES COMPLY WITH BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS AS DEFINED IN IESNA TM-15-11 AND BUG RATINGS DO NOT EXCEED THE MAXIMUM ALLOWABLE RATINGS FOR THIS PROJECT.

GENERAL NOTES

- PRIOR TO BID THE CONTRACTOR SHALL VISIT THE SITE TO ADEQUATELY DETERMINE ALL PRE-EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING THE BID.
- PROVIDE PARITY SIZED GREEN GROUND WIRE IN ALL POWER CONDUITS, BRANCH CIRCUITS (LIGHTING & POWER) AND HOMERUNS.
- PROVIDE PULLROPE IN ALL EMPTY CONDUITS THROUGHOUT THE PROJECT.
- REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION & CONNECTION REQUIREMENTS OF ALL LUMINAIRE(S) AND ALL OUTLET, SWITCH, AND ELECTRICAL RELATED DEVICE MOUNTING HEIGHTS AND LOCATIONS. COORDINATE LOCATIONS OF ALL LUMINAIRE(S) AND JUNCTION BOXES WITH MECHANICAL DIVISION PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF ELECTRICAL DEVICES WITH FURNITURE PLANS PRIOR TO ROUGH-IN.
- REFER TO MECHANICAL PLANS FOR EXACT LOCATION(S) OF ALL MECHANICAL EQUIPMENT, AND CONFIRM EXACT CONNECTION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DIVISION, PRIOR TO ROUGH-IN. VERIFY EXACT REQUIREMENTS FOR VOLTAGE, PHASE, HORSE-POWER, OR KVA RATINGS, OF ALL MECHANICAL DIVISION EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
- VERIFY EXACT CONNECTION REQUIREMENTS, OUTLET TYPE(S), MOUNTING HEIGHT(S) AND LOCATION(S) OF ALL OWNER-SUPPLIED EQUIPMENT, AND ALL EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATIONS, PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS.
- ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS SHALL BE SEALED AND EQUIPPED WITH U.L. LISTED FIRE PENETRATION ASSEMBLIES TO MAINTAIN FIRE SEPARATION RATING.
- THE CONTRACTOR SHALL VERIFY ALL CEILING TYPES BEFORE ORDERING OF LUMINAIRE(S). ALSO VERIFY THAT ALL FEATURES CALLED FOR IN LUMINAIRE DESCRIPTIONS ON THE LUMINAIRE SCHEDULE ARE INCLUDED WITH CATALOG NUMBERS LISTED ON THE LUMINAIRE SCHEDULE WHEN LUMINAIRE ORDERS ARE PLACED, AND ARE INCLUDED AS PART OF THE LIGHTING SUBMITTALS FOR THIS PROJECT. IF A DISCREPANCY EXISTS, CONTACT THE ARCHITECT AND ELECTRICAL ENGINEER FOR CLARIFICATION PRIOR TO BID.
- CIRCUITRY AND CONDUIT ROUTING SHOWN ON THE PLANS IS DIAGRAMMATIC ONLY. THIS CONTRACTOR IS RESPONSIBLE FOR BECOMING COMPLETELY FAMILIAR WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS AND LIMITATIONS IN THE BUILDING AND TO PROVIDE ALL LABOR, TOOLS AND MATERIALS REQUIRED TO PRODUCE A COMPLETELY CONCEALED INSTALLATION WHEREVER INDICATED ON THE PLANS.
- MAINTAIN "AS-BUILT" RECORDS AT ALL TIMES, SHOWING EXACT LOCATION OF ALL UNDERGROUND AND/OR CONCEALED CONDUITS AND SERVICES INSTALLED UNDER THIS CONTRACT, INCLUDING CIRCUIT IDENTIFICATION WHERE APPLICABLE. PROVIDE OWNER WITH "AS-BUILT" DOCUMENTS AS INDICATED IN THE SPECIFICATIONS, AND/OR CALLED FOR IN THE SPECIFICATIONS.
- DRAWINGS INDICATE THE LOCATION(S) OF DEVICES, LUMINAIRE(S) AND EQUIPMENT, AND THE CIRCUIT NUMBER AND PANEL DESIGNATED TO SUPPLY THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY CONNECTING ALL ELECTRICAL DEVICES TO CIRCUITS INDICATED ON THE DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON DRAWINGS IS NEW AND TO BE PROVIDED AND INSTALLED COMPLETE UNDER THIS CONTRACT.
- ALL EQUIPMENT GROUNDING SHALL CONFORM TO ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
- ALL ELECTRICAL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C., AS WELL AS STATE, AND LOCAL CODES AND REQUIREMENTS.
- ALL CONDUIT SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
- EQUIPMENT OVERLOADS AND FUSES SHALL BE PROVIDED AND INSTALLED AS PER NAME PLATE ON THE EQUIPMENT ACTUALLY PROVIDED.
- THE CONTRACTOR SHALL PAY FOR ALL REQUIRED PERMITS AND INSPECTION FEES.
- THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- ALL EXIT SIGNS SHALL COMPLY WITH THE RELEVANT PORTIONS OF SECTIONS 1008 AND 1013 OF THE CBC.
- ALL MECHANICAL DIVISION EQUIPMENT LOW VOLTAGE CONTROL WIRING AND RACEWAY SHALL BE PROVIDED AND INSTALLED AS SPECIFIED IN MECHANICAL DIVISION U.O.N.
- COORDINATE INSTALLATION OF ALL RECESSED LUMINAIRE(S) WITH MECHANICAL DIVISION PRIOR TO INSTALLATION OF HVAC DUCTS AND SPRINKLER HEADS. ENSURE AFTER INSTALLATION OF LUMINAIRE(S) THAT THERE IS NO CONTACT BETWEEN DUCTS AND LUMINAIRE(S) TO AVOID VIBRATION IN LUMINAIRE(S).
- USE FLEXIBLE CONDUIT FOR ALL MOTOR, TRANSFORMER, RECESSED LUMINAIRE CONNECTIONS, AND CONNECTIONS BETWEEN TWO SEPARATE STRUCTURES AND FOR ALL FINAL CONNECTIONS TO "CRITICAL EQUIPMENT" AS DEFINED IN SPECIFICATIONS. MINIMUM 1/2" DIAMETER, LIQUID TIGHT TYPE USED OUTDOORS AND IN ALL WET LOCATIONS; PROVIDE WITH CODE-SIZE (MINIMUM #12) BARE GROUND WIRE IN ALL FLEXIBLE CONDUIT.
- ALL CONDUIT CONNECTORS TO OUTLET OR JUNCTION BOXES SHALL HAVE INSULATED THROATS (MANUFACTURED AS AN INTEGRAL PART OF THE CONNECTOR). AFTER-MARKET INSERTABLE THROATS ARE NOT ACCEPTABLE.
- ALL CIRCUITS IN ALL JUNCTION BOXES AND DEVICES SHALL BE CLEARLY IDENTIFIED BY MEANS OF "EZ" NUMBERING TAGS OR EQUIVALENT, TO IDENTIFY THE CIRCUIT NUMBER OR RELAY SUPPLYING THE CONDUCTOR. ALL JUNCTION BOXES SHALL BE LABELED PER SPECIFICATIONS.
- ALL SURFACE MOUNTED POWER AND SIGNAL BOXES IN FINISHED AREAS SHALL BE "WIREMOLD" TYPE, WITH MATCHING RACEWAYS. SURFACE MOUNTED STEEL JUNCTION BOXES AND/OR EMT ARE NOT ACCEPTABLE.
- ALL LOCATIONS OF BARE METAL SURFACE MOUNTED CONDUIT, BOXES, PANELBOARDS, AND RELATED FITTINGS OR ACCESSORIES INSTALLED IN FINISHED AREAS (BOTH INTERIOR AND EXTERIOR) SHALL BE FINISH PAINTED TO MATCH THE SURFACE TO WHICH THEY ARE MOUNTED TO (AFTER INSTALLATION). PAINTING SHALL INCLUDE DIFFERENT COLORS AS REQUIRED TO MATCH SURROUNDING CONDITIONS OR OTHER BUILDING FEATURES TO WHICH THE EQUIPMENT IS ATTACHED AND VISIBLE. VERIFY EXACT JUNCTION BOX LOCATION(S) AND ROUTING OF EXPOSED RACEWAYS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE A BLANK COVER PLATE (COLOR TO MATCH ADJACENT DEVICES OR AS SPECIFICALLY CALLED FOR IN SPECIFICATIONS) FOR ALL JUNCTION BOXES (NEW AND EXISTING) ON THE PROJECT WHEN NO DEVICE IS INSTALLED.
- TWO OR THREE DIFFERENT PHASES SUPPLIED BY A 3-PHASE PANEL MAY SHARE A SINGLE NEUTRAL ONLY IF CIRCUIT POSITIONS ARE ADJACENT IN THE PANEL. PROVIDE COMMON HANDLE-TIE ON BREAKERS FOR MULTI-WIRE BRANCH CIRCUITS, WITH COMMON NEUTRAL, PER NEC REQUIREMENTS.

LIST OF DRAWINGS

E0.01	SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS
E0.02	LUMINAIRE SCHEDULE
E1.31	DEMO PLAN - ELECTRICAL & LIGHTING
E2.31	FLOOR PLAN - POWER & SIGNAL
E2.41	FLOOR PLAN - LIGHTING
E4.21	PARTIAL PLAN - RESTROOMS - POWER & LIGHTING
E4.31	PARTIAL PLAN - STALL AREA - POWER & LIGHTING
E6.01	PANEL SCHEDULES
E7.01	DETAILS
E8.01	TITLE 24 DOCUMENTATION

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APPROVALS

PROJECT TITLE

**SONOMA COUNTY
Healdsburg
Library Refresh**

139 PIPER ST
HEALDSBURG, CA 95448

PERMIT SET

ISSUE DATE 01/29/2024

N&T JOB NUMBER 22212.00

REVISIONS

NO.	DATE	DESCRIPTION
1	3/22/24	PERMIT CHANGES

SHEET TITLE

**SYMBOLS LIST,
GENERAL NOTES
& LIST OF
DRAWINGS**

SHEET NUMBER

E0.01

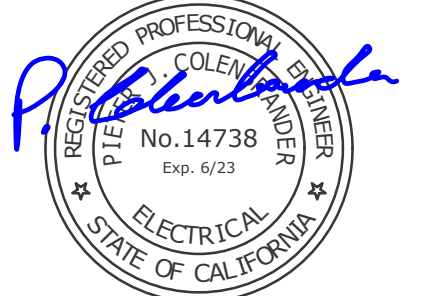
LUMINAIRE SCHEDULE

TYPE	MOUNTING	DESCRIPTION	MANUFACTURER CATALOG #	LIGHT SOURCE	POWER SUPPLY	VOLTS	INPUT WATTS
CA1	RECESSED	LUMINAIRE WITH 14" DIA. WHITE ACRYLIC LENS WITH MATTE FINISH, FLUSH MATTE WHITE ACRYLIC LENS, EXTRUDED ALUMINUM HOUSING WITH 3/4" TRIM.	PINNACLE F14D-A-835MO-G-U-1-FSD-1-0-W	3500K LED 80 CRI 1534 LM	0-10V DIMMING TO 1%	120	14 W
CA2	RECESSED	SIMILAR TO TYPE CA1 EXCEPT 18" DIAMETER AND 1 INCH DROP LENS.	PINNACLE F18D-AL-835MO-G-U-1-FSK-1-0-W	3500K LED 80 CRI 2335 LM	0-10V DIMMING TO 1%	120	20 W
CA3	RECESSED	SIMILAR TO TYPE CA1 EXCEPT 24" DIAMETER AND 1 INCH DROP LENS.	PINNACLE F24D-AL-835MO-G-U-1-FSK-1-0-W	3500K LED 80 CRI 3178 LM	0-10V DIMMING TO 1%	120	28 W
CA3E	RECESSED	SIMILAR TO TYPE CA1 EXCEPT 24" DIAMETER, 1 INCH DROP LENS, AND INTEGRAL BODINE EMERGENCY BATTERY.	PINNACLE F24D-AL-835MO-G-U-1-FSK-1-1PB-W	3500K LED 80 CRI 3178 LM	0-10V DIMMING TO 1%	120	28 W
CA4	RECESSED	SIMILAR TO TYPE CA1 EXCEPT 36" DIAMETER, REGRESSED LENS, AND LOW LUMEN OUTPUT.	PINNACLE F36D-AR-835LO-G-U-1-FSK-1-0-W	3500K LED 80 CRI 4849 LM	0-10V DIMMING TO 1%	120	44 W
CA5	RECESSED	SIMILAR TO TYPE CA1 EXCEPT 48" DIAMETER, REGRESSED LENS, AND CUSTOM 60 PERCENT LUMEN OUTPUT.	PINNACLE F48D-AR-CL8355800-G-U-1-FSK-1-0-W	3500K LED 80 CRI 3178 LM	0-10V DIMMING TO 1%	120	70 W
CB1	RECESSED	LINEAR WALLWASHER, 24" L X 3" W X 5" H, EXTRUDED ALUMINUM TRIM WITH CONTINUOUS 11/16" OPENING, WHITE FINISH.	PINNACLE EV3WW-835HO-G-1-FSD-1-0-W	3500K LED 80 CRI 1068 LM	0-10V DIMMING TO 1%	120	21 W
CC1	SURFACE	SLIM SURFACE DOWNLIGHT, DIFFUSING LENS, 13" DIAMETER X 0.9" H., WHITE FINISH.	JUNO JSF-13IN 18LM-35K-90CRI-MVOLTZT-WH	3500K LED 90 CRI 1800 LM	0-10V DIMMING TO 1%	120	20 W
CD1	RECESSED	DOWNLIGHT WITH 4" SELF-FLANGED SPECULAR ANODIZED ALUMINUM REFLECTOR, DIECAST ALUMINUM SUPPORT RING, HOUSING FRAME.	PRESCOLITE LFR-4RD-10L-35K9-WD-DM1 LFR-4D-WD-S LFR-4RD-H	3500K LED 90 CRI 997 LM	0-10V DIMMING TO 1%	120	8 W
CD2	RECESSED	SIMILAR TO TYPE CD1 EXCEPT LUMENS.	PRESCOLITE LFR-4RD-15L-35K9-WD-DM1 LFR-4D-WD-S LFR-4RD-H	3500K LED 90 CRI 1494 LM	0-10V DIMMING TO 1%	120	12 W
EX1	SURFACE	EXIT SIGN WITH TWO HIGH LUMEN OUTPUT 6 WATT EMERGENCY LIGHTS, WHITE THERMOPLASTIC HOUSING, LITHIUM IRON PHOSPHATE BATTERY.	CURRENT DUAL-LITE EVCHL-U-G-W-12-06L	5000K LED 1178 LM	N/A	120	12W
PB1	SUSPENDED	CURVED CLOUD-LIKE PENDANT, 42" DIAMETER SHADE OF TRANSLUCENT POLYESTER FABRIC. SHADE COLOR (WHITE OR CREAM) TO BE SELECTED BY ARCHITECT.	BOVER MEDITERRANIA S-105-SHADE COLOR LED: 33802210054U	3500K LED 90 CRI 1530 LM	0-10V DIMMING TO 1%	120	20 W
PB2	SUSPENDED	SIMILAR TO TYPE PB1 EXCEPT WITH DOUBLE SHADE.	BOVER MEDITERRANIA S-105.2-SHADE COLOR	3500K LED 90 CRI 1530 LM	0-10V DIMMING TO 1%	120	20 W
PB3	SURFACE	SIMILAR TO TYPE PB1 EXCEPT STEM MOUNTED.	BOVER MEDITERRANIA PF-105-SHADE COLOR	3500K LED 90 CRI 1530 LM	0-10V DIMMING TO 1%	120	20 W

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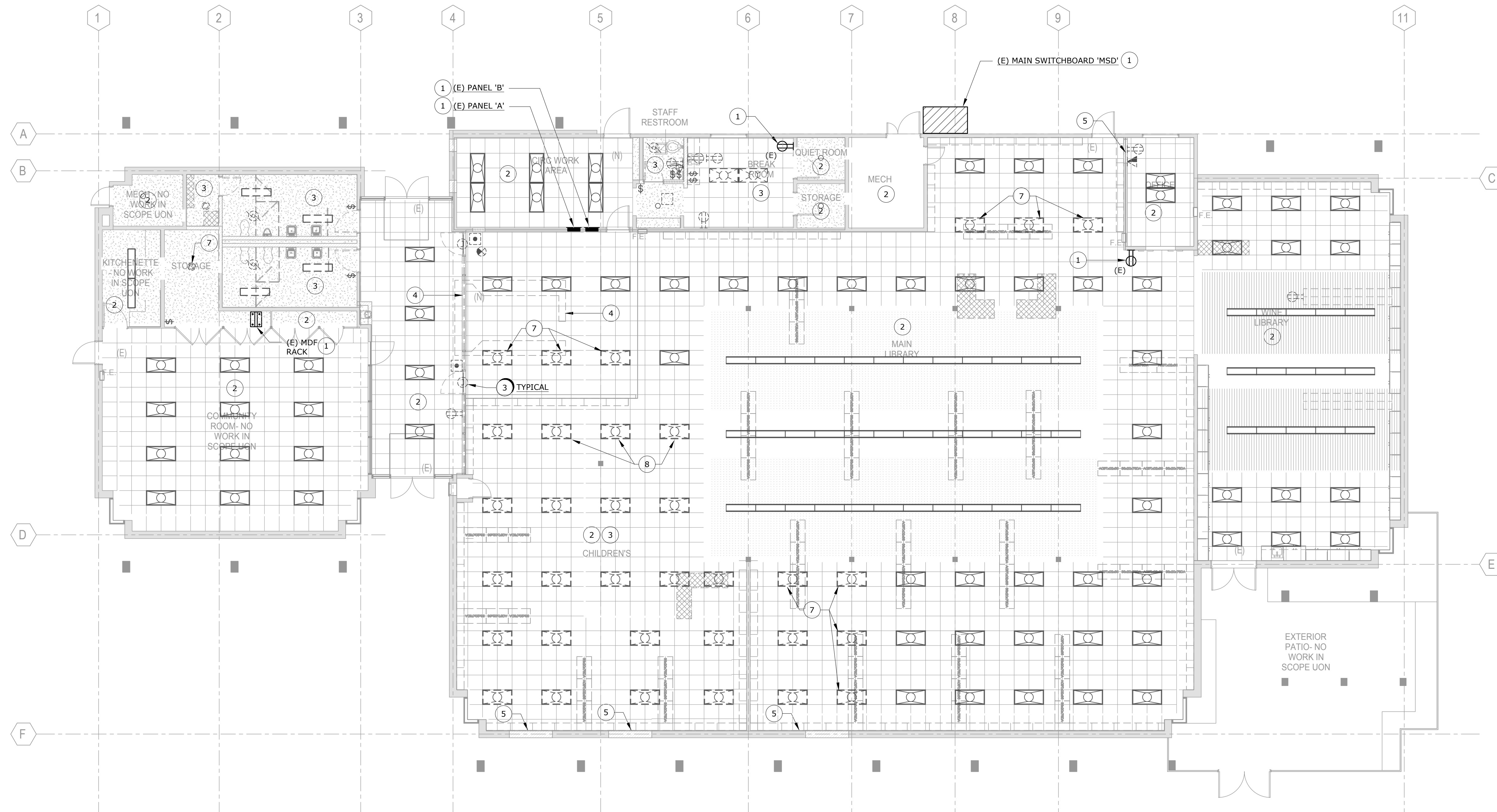
REVISIONS	DATE	DESCRIPTION
△	3/22/24	PERMIT CHANGES

SHEET TITLE

LUMINAIRE SCHEDULE

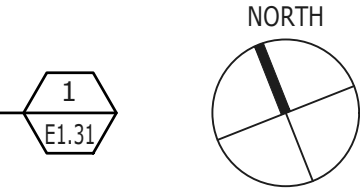
SHEET NUMBER

E0.02



DEMO PLAN - ELECTRICAL & LIGHTING

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



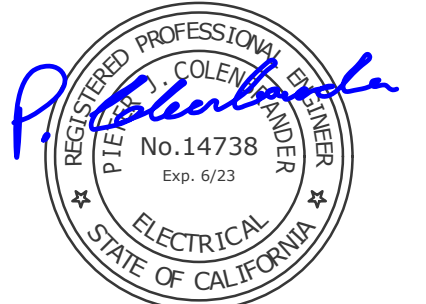
NUMBERED SHEET NOTES

- 6 DISCONNECT AND REMOVE ALL SURFACE MOUNTED POWER AND TELECOM IN THIS ROOM (NOT SHOWN), TO MAKE WAY FOR NEW, PER SHEET E2.31, INCLUDING ALL RELATED J-BOXES, RACEWAYS, AND WIRING, BACK TO SOURCE OR NEAREST JUNCTION TO REMAIN.
- 7 DISCONNECT AND REMOVE (E) LIGHT FIXTURE AT THESE LOCATIONS AND SAVE FOR REINSTALLATION IN SIMILAR AREA AS SHOWN ON SHEETS E2.41 AND E4.21.
- 8 DISCONNECT AND REMOVE (E) LIGHT FIXTURE AT THESE LOCATIONS AND SAVE FOR REINSTALLATION AS SHOWN ON SHEET E4.31.

NUMBERED SHEET NOTES

- 1 EXISTING EQUIPMENT TO REMAIN. PROTECT IN PLACE.
- 2 ALL (E) ELECTRICAL, LIGHTING, AND LOW VOLTAGE SYSTEMS IN THIS ROOM OR AREA ARE TO REMAIN (UNLESS NOTED OR SHOWN DASHED), INCLUDING ALL RELATED CONDUITS, WIRING, JUNCTION BOXES AND DEVICES / CONNECTIONS, UNLESS OTHERWISE INDICATED OR NOTED. PROTECT ALL IN PLACE.
- 3 DISCONNECT AND COMPLETELY REMOVE (E) DEVICES (SHOWN DASHED), INCLUDING ALL RELATED J-BOXES, CONDUIT, AND WIRING, BACK TO SOURCE OR NEAREST JUNCTION TO REMAIN AT DEMO PERIMETER. SAVE CIRCUIT FOR RE-USE IN NEW WORK. SEE GENERAL DEMOLITION NOTES, SHEET E0.01.
- 4 DISCONNECT AND COMPLETELY REMOVE ALL (E) DEVICES AT THIS WALL OR DESK AREA (NOT SHOWN), INCLUDING ALL RELATED J-BOXES, CONDUIT, AND WIRING, BACK TO SOURCE OR NEAREST JUNCTION TO REMAIN. SEE GENERAL DEMOLITION NOTES, SHEET E0.01.
- 5 COORDINATE WITH GENERAL CONTRACTOR PRIOR TO DEMO OF THIS WALL. EXAMINE WALL AND IDENTIFY ANY (E) CONCEALED ELECTRICAL RUNNING THROUGH THE AREA OF WALL TO BE REMOVED. DISCONNECT AND RELOCATE / REROUTE (E) CIRCUITS AFFECTED BY THE WALL DEMOLITION AND RECONNECT COMPLETE. SEE GENERAL DEMOLITION NOTES, SHEET E0.01.

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APPROVALS

PROJECT TITLE

**SONOMA COUNTY
Healdsburg
Library Refresh**

139 PIPER ST
HEADSBURG, CA 95448

PERMIT SET

ISSUE DATE 01/29/2024

N&T JOB NUMBER 22212.00

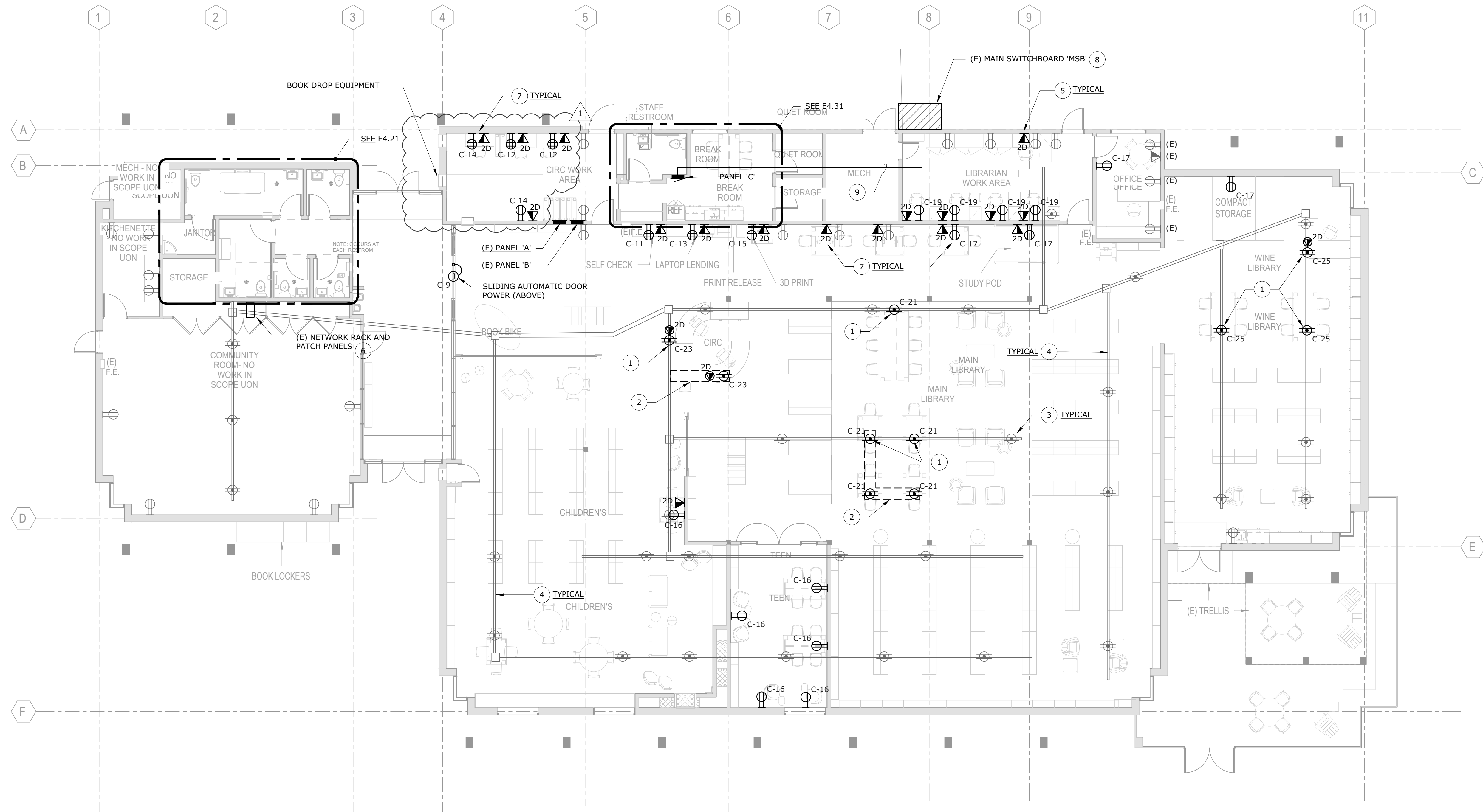
REVISIONS	DATE	DESCRIPTION
1	3/22/24	PERMIT CHANGES

SHEET TITLE

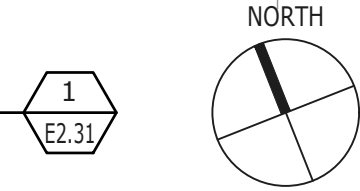
**DEMO PLAN -
ELECTRICAL &
LIGHTING**

SHEET NUMBER

E1.31



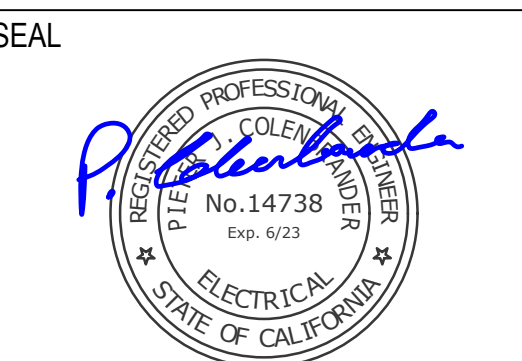
FLOOR PLAN - POWER & SIGNAL
SCALE: 1/8" = 1'-0"



NOTE:
ALL (N) WORK SHOWN DARK.
EXISTING DEVICES SHOWN LIGHT FOR REFERENCE.

- NUMBERED SHEET NOTES**
- 5 PROVIDE (2) NEW CAT 6A UTP CABLES AND JACKS AT EACH (N) TELECOM FACEPLATE. HOMERUN ALL (N) STATION CABLES, CONCEALED OVERHEAD, TO (E) TELECOM RACK AT COMMUNITY ROOM CLOSET. SEE NOTE 6.
 - 6 PROVIDE AND INSTALL (2) NEW 24-PORT CAT 6A UTP PATCH PANELS AT (E) RACK SPACE. ALL CROSS CONNECTIONS TO OWNER SWITCHES TO BE BY OWNER.
 - 7 ALL (N) RECEPTACLES AND TELECOM TO BE MOUNTED FLUSH IN WALLS. COORDINATE WITH GC FOR OPENING OF WALLS (MINIMUM ONE SIDE) TO FACILITATE ACCESS AND CONCEALED / FLUSH INSTALLATION.
 - 8 PROVIDE AND INSTALL (N) 100A/3P BREAKER IN (E) AVAILABLE SPACE IN DP SECTION. PROVIDE LABEL "PANEL C". NEW BREAKER TO MATCH (E) IN MFR. AND AIC RATINGS.
 - 9 ROUTE CONCEALED (IN FINISHED SPACES) OVERHEAD FROM 'MSB' TO (N) PANEL 'C'.

- NUMBERED SHEET NOTES**
- 1 PROVIDE AND INSTALL (N) SURFACE MOUNTED PRESET POWER (AND LOW VOLTAGE WHERE SHOWN) RECEPTACLE MONUMENTS ON PRESET LOCATIONS (LOCATED AT 24" O.C. ALONG FLOOR DUCT SYSTEM). NEW MONUMENTS TO BE FULLY COMPATIBLE WITH (E) FLOOR DUCT SYSTEM (SEE NOTE 4). CONNECT COMPLETE WITH (N) CIRCUITS AS INDICATED.
 - 2 SAW-CUT AND PATCH (E) FLOOR SLAB FOR INSTALLATION OF (N) FLUSH IN-FLOOR POWER RECEPTACLES AS SHOWN. CONNECT COMPLETE TO (N) CIRCUIT, VIA (E) FLOOR DUCT SYSTEM AND (N) CONDUIT AT SAW-CUT AREA.
 - 3 (E) FLOOR DUCT SYSTEM POWER RECEPTACLE MONUMENT TO REMAIN. PROTECT IN PLACE.
 - 4 (E) UNDER / IN-FLOOR DUCT SYSTEM TO REMAIN; #2 WALKERDUCT (POWER) AND #4 WALKERDUCT (LOW VOLTAGE), WITH PRESETS AT 24" ON CENTER. ALL NEW POWER AND LOW VOLTAGE ACTIVATIONS TO BE SET AT PRESET LOCATIONS AND ATTACHED PER MANUFACTURERS RECOMMENDATIONS. PROVIDE ALL REQUIRED FITTINGS AND ADAPTERS FOR COMPLETE ACTIVATIONS.



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APPROVALS

PROJECT TITLE
SONOMA COUNTY Healdsburg Library Refresh

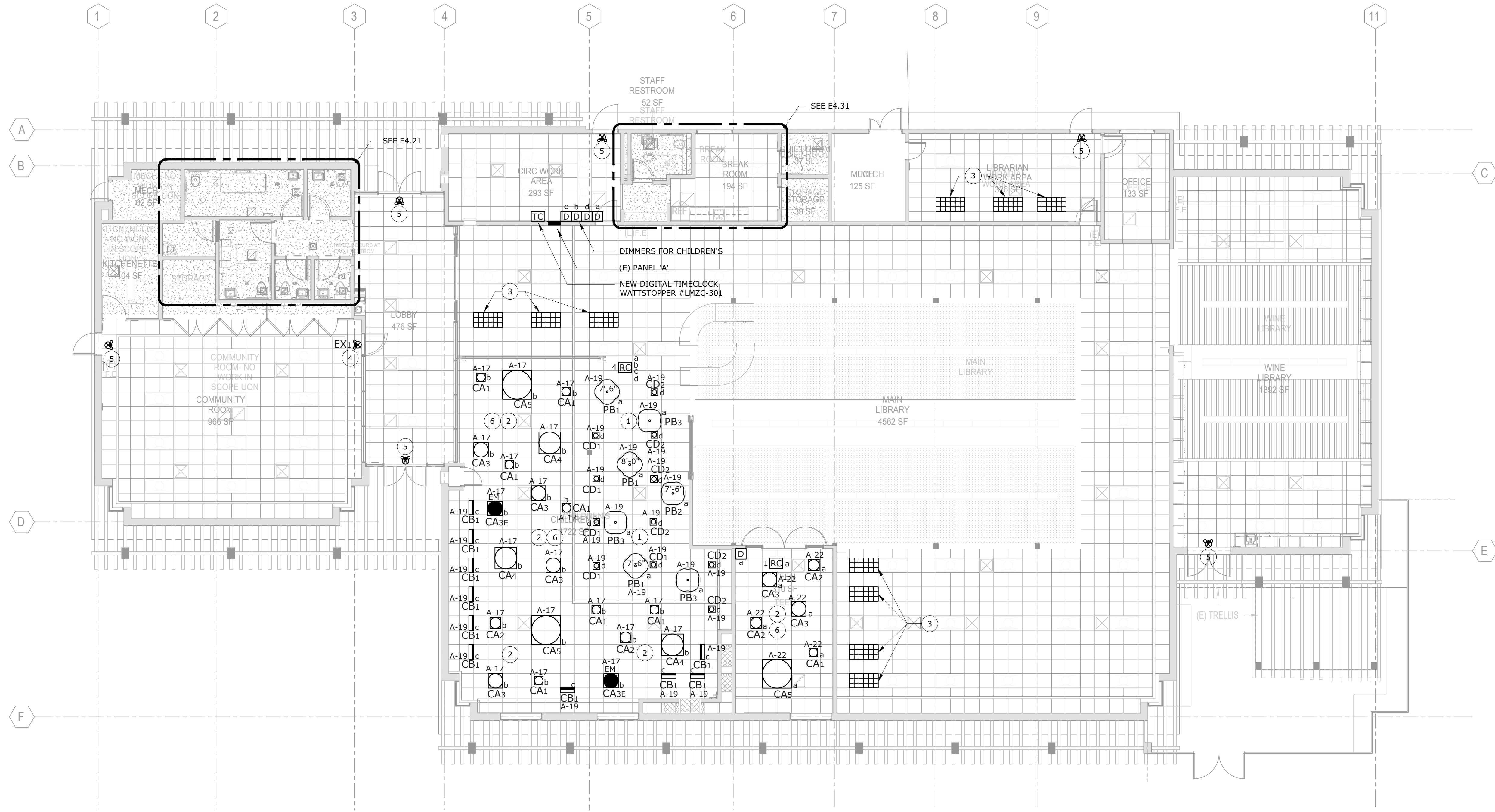
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ISSUE DATE	01/29/2024
N&T JOB NUMBER	22212.00
REVISIONS	
△	3/22/24 PERMIT CHANGES

SHEET TITLE
FLOOR PLAN - POWER & SIGNAL

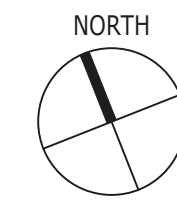
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E2.31



FLOOR PLAN - LIGHTING

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

1
E2.41

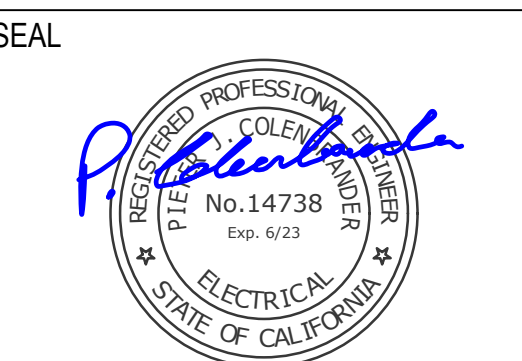


GENERAL NOTES

1. EXAMINE THE AREA ABOVE THE EXISTING SUSPENDED CEILING FOR ANY OBSTRUCTIONS THAT WOULD PREVENT INSTALLATION OF LUMINAIRES AT LOCATIONS SHOWN ON LIGHTING PLANS.
2. MEASURE THE CLEARANCE SPACE AVAILABLE BETWEEN THE CEILING AND ANY POTENTIAL OBSTRUCTION. COMPARE THESE MEASUREMENTS WITH THE DIMENSIONS OF THE LUMINAIRE TO CONFIRM THAT THERE IS ENOUGH SPACE FOR INSTALLATION.
3. NOTIFY THE ARCHITECT IF AN OBSTRUCTION OR ANY OTHER FACTOR WOULD PREVENT THE INSTALLATION OF ANY LUMINAIRE.

NUMBERED SHEET NOTES

- 1 SEE MOUNTING DETAIL 2/E7.01 FOR LUMINAIRE TYPES PB1, PB2, AND PB3. HEIGHT ON SYMBOL IS HEIGHT A.F.F. TO BOTTOM OF SUSPENDED LUMINAIRE TYPES PB1 AND PB2. TYPE PB3 SUSPENSION IS NOT ADJUSTABLE.
- 2 FASTEN MOUNTING FRAME TO T-GRID WITH SHEET METAL SCREWS. PROVIDE TAUT SUPPORT WIRE(S) CONNECTED FROM LUMINAIRE HOUSING OR SUPPORT BRACKET TO STRUCTURE ABOVE. LUMINAIRE TYPES CA1, CA2, CB1, CD1, AND CD2 SHALL HAVE ONE MIN. 12 GA. SUPPORT WIRE. TYPES CA3, CA4, AND CA5 SHALL HAVE TWO MIN. 12 GA. SUPPORT WIRES. SEE DETAIL 1/E7.01.
- 3 RELOCATE (E) LUMINAIRES NEAR THIS LOCATION, REMOVED AND SAVED IN DEMO (PER NOTE 7, SHEET E1.31), TO THESE NEW LOCATIONS. PROVIDE TWO TAUT SUPPORT WIRES TO STRUCTURE. RECONNECT COMPLETE TO EXISTING LIGHTING CIRCUITS AND CONTROLS. SEE DETAIL 1/E7.01.
- 4 CONNECT AHEAD OF (E) SWITCH.
- 5 (E) EXIT SIGN WITH EMERGENCY LIGHTS TO REMAIN.
- 6 CONNECT COMPLETE LUMINAIRES TO EXISTING LIGHTING CIRCUITS AS SHOWN VIA NEW CONTROLS.



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Healdsburg
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ISSUE DATE 01/29/2024
N&T JOB NUMBER 22212.00

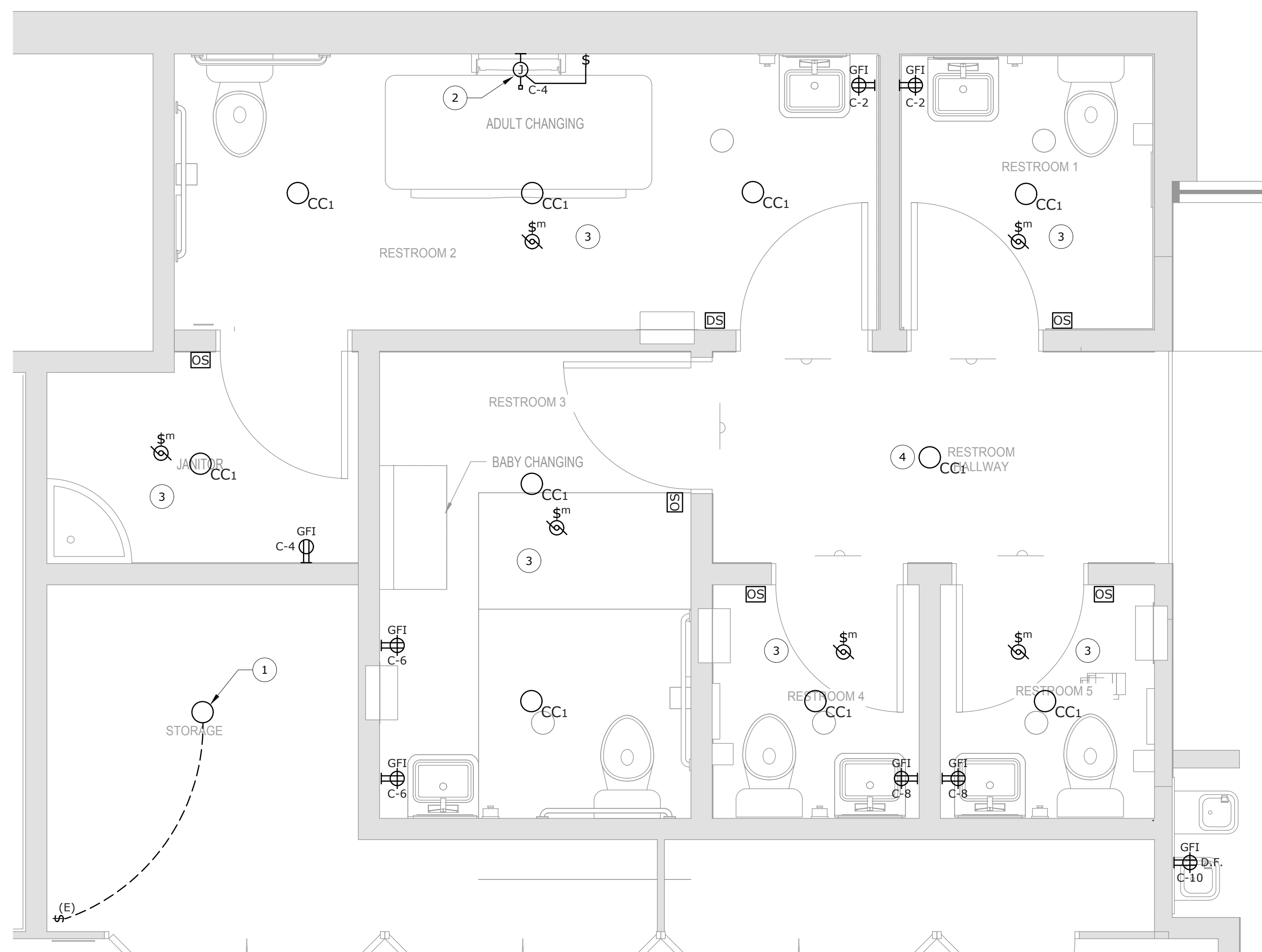
REVISIONS	DATE	DESCRIPTION
1	3/22/24	PERMIT CHANGES

SHEET TITLE

FLOOR PLAN - LIGHTING

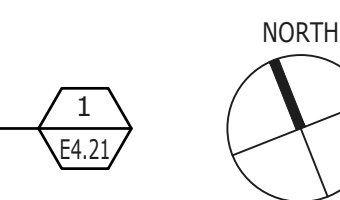
SHEET NUMBER

E2.41



RESTROOMS - POWER & LIGHTING

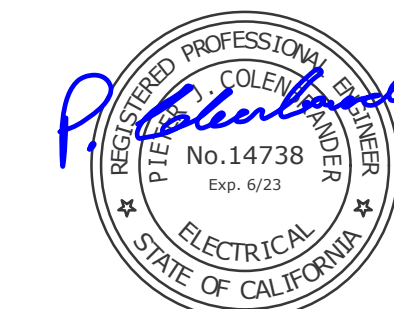
SCALE: 1/2" = 1'-0"



NUMBERED SHEET NOTES

- 1 RELOCATED FIXTURE FROM DEMO PHASE. REINSTALL AND RECONNECT COMPLETE IN (E) STORAGE ROOM AT (N) LOCATION SHOWN. RECONNECT COMPLETE TO (E) SWITCH AS SHOWN.
- 2 HARD-WIRED CONNECTION TO CHANGING TABLE. COORDINATE EXACT CONNECTION POINT WITH EQUIPMENT PRIOR TO ROUGH-IN. ALSO PROVIDE AND INSTALL LOCAL TOGGLE DISCONNECT AT +48" A.F.F. AS SHOWN, PER MANUFACTURERS INSTRUCTIONS. PROVIDE ENGRAVED LABEL "TABLE ON/OFF".
- 3 CONNECT FAN AND LIGHT TO EXISTING CIRCUIT SAVED IN DEMO VIA NEW OCCUPANCY SENSOR.
- 4 CONNECT RESTROOM HALLWAY LIGHT TO EXISTING LOBBY LIGHTS AND CONTROLS.

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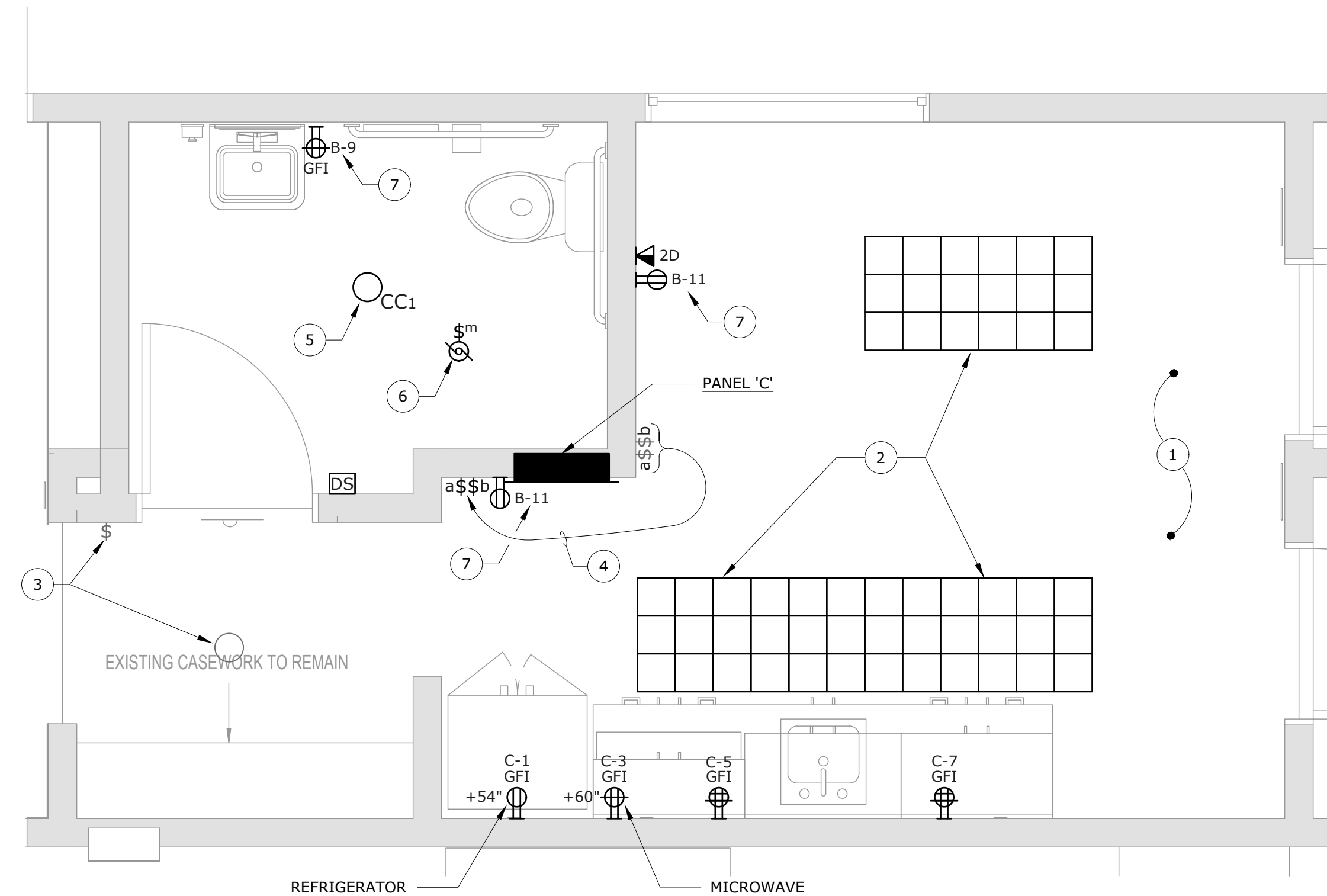
REVISIONS	DATE	DESCRIPTION
1	3/22/24	PERMIT CHANGES

SHEET TITLE

**RESTROOMS -
POWER &
LIGHTING**

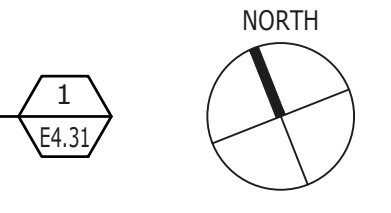
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E4.21

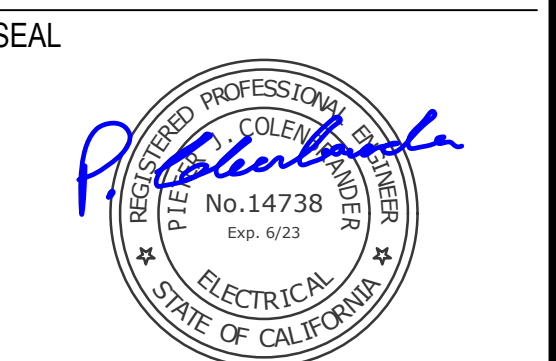


STAFF AREA - POWER & LIGHTING

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



NUMBERED SHEET NOTES	
1	ALL (E) ELECTRICAL AND LOW VOLTAGE AT EAST END OF THIS ROOM (NOT SHOWN) TO REMAIN, INCLUDING ALL RELATED CONDUITS, WIRING, JUNCTION BOXES AND DEVICES / CONNECTIONS. PROTECT IN PLACE.
2	RELOCATE (E) LUMINAIRES FROM MAIN ROOM (SHEET NOTE 8, SHEET E1.31) TO THESE LOCATIONS. PROVIDE TWO TAUT SUPPORT WIRES TO STRUCTURE ABOVE. CONNECT COMPLETE TO EXISTING LIGHTING CIRCUIT SAVED IN DEMO. SEE DETAIL 1/E7.01.
3	EXISTING LUMINAIRE AND SWITCH TO REMAIN.
4	RELOCATE EXISTING SWITCHES TO NEW LOCATION AND CONNECT COMPLETE VIA (E) CIRCUIT SAVED IN DEMO TO RELOCATED LUMINAIRES PER NOTE 2. PATCH AND PAINT WALL TO MATCH EXISTING.
5	CONNECT NEW LUMINAIRE COMPLETE TO EXISTING CIRCUIT SAVED IN DEMO VIA (N) CONTROLS.
6	CONNECT IN PARALLEL WITH LIGHTING.
7	CIRCUIT SAVED IN DEMO.



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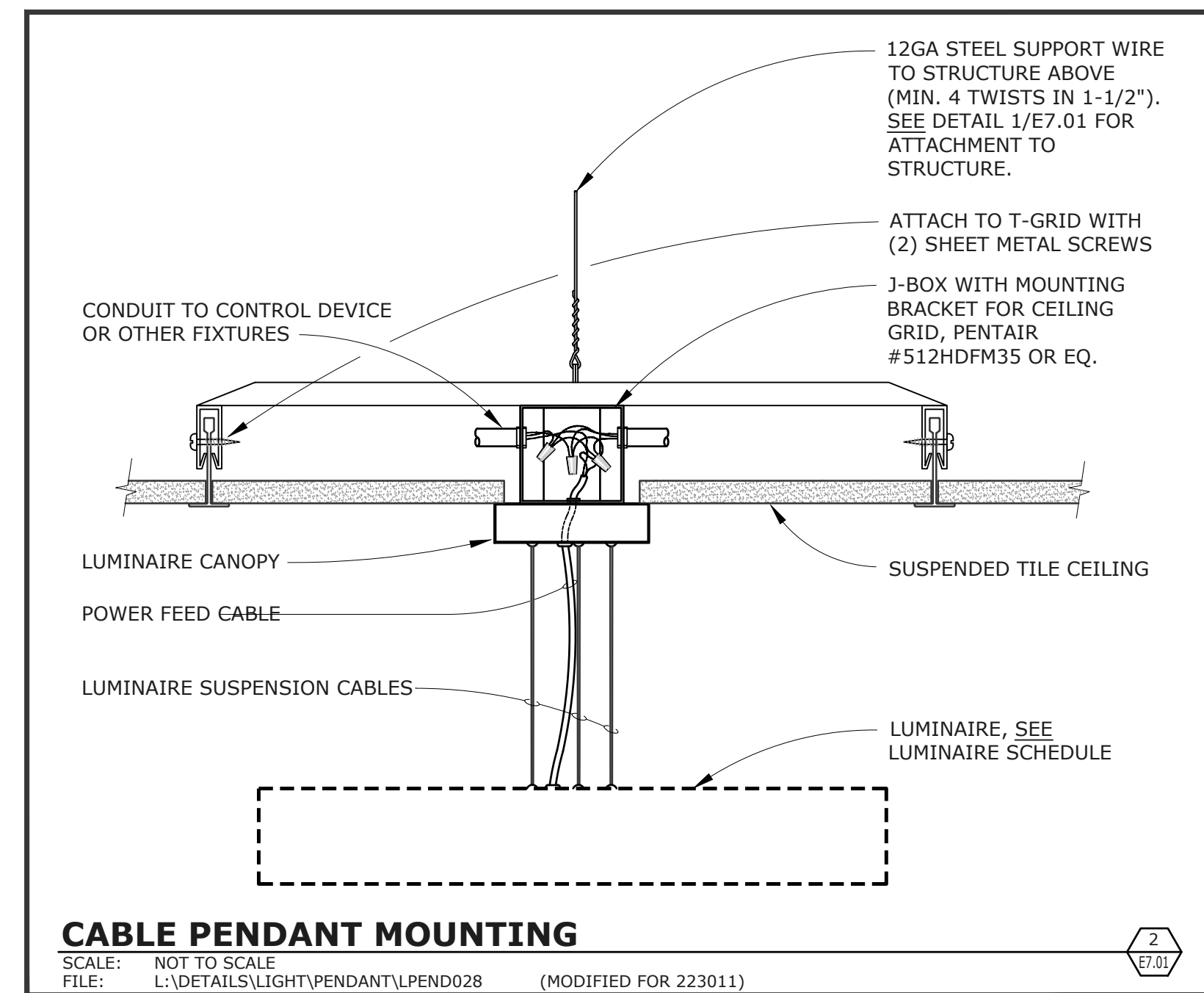
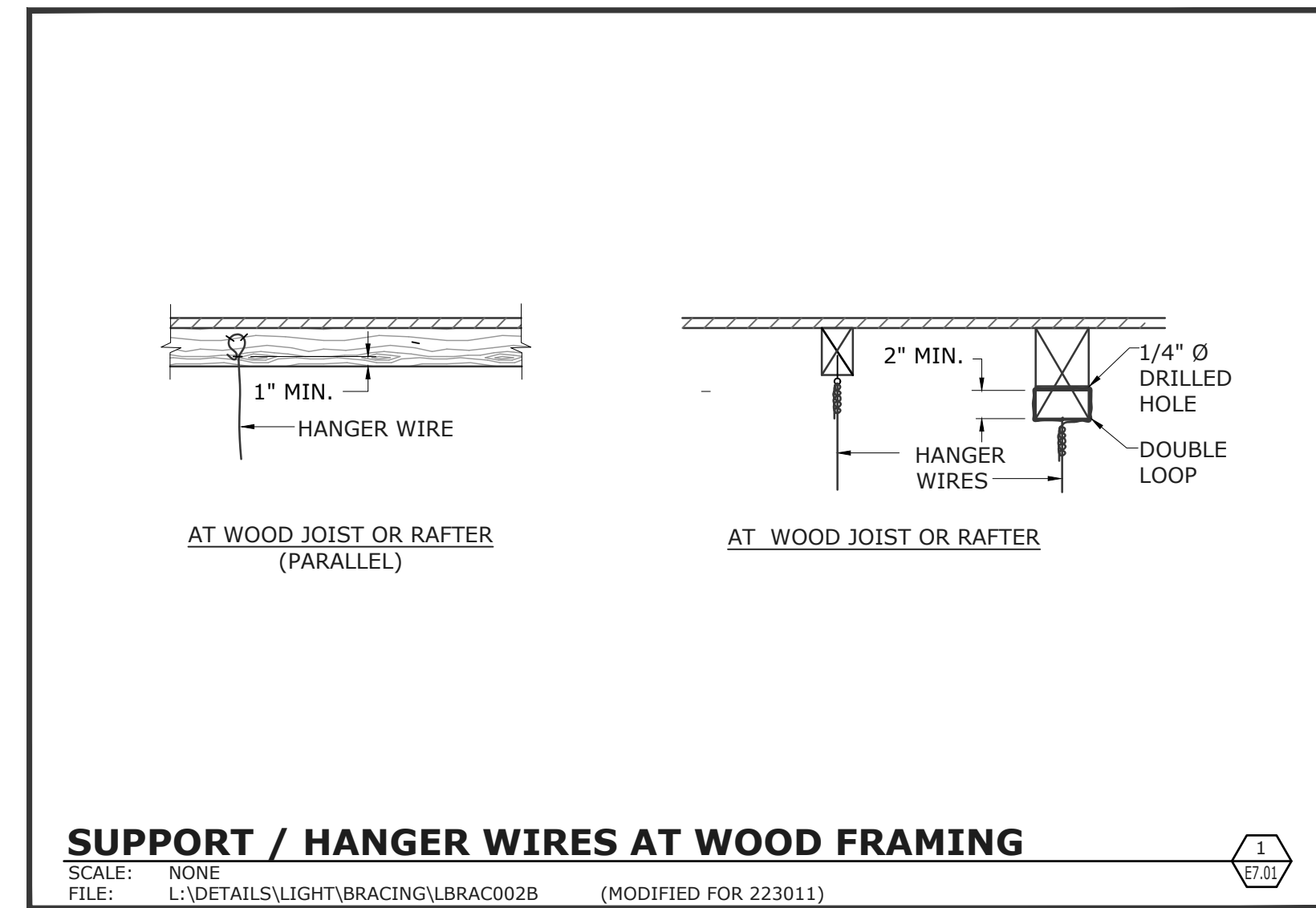
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STAFF AREA -
POWER &
LIGHTING

SHEET NUMBER

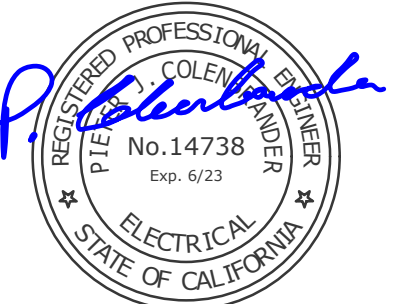
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APPROVALS

PROJECT TITLE

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REVISIONS	DATE	DESCRIPTION
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SHEET TITLE

DETAILS

SHEET NUMBER

E7.01

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: Sonoma County Healdsburg Library Refresh Report Page: (Page 7 of 8)
Date Prepared: 1/23/2024

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.

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/titles24/attcp/providers.html

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Report Version: 2022.0.000 Compliance ID: EnergyPro-8069-0124-0269
Schema Version: rev 20220101 Report Generated: 2024-01-23 12:28:17

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: Sonoma County Healdsburg Library Refresh Report Page: (Page 8 of 8)
Date Prepared: 1/23/2024

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

Documentation Author Name: P. Colenbrander
Signature Date: 2024-01-23
Address: 4340 Redwood Highway Suite 245
City/State/Zip: San Rafael CA 94903

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).

Responsible Designer Name: P. Colenbrander
Signature Date: 2024-01-23
Address: 4340 Redwood Hwy STE 245
City/State/Zip: San Rafael CA 94903

Generated Date/Time: Documentation Software: EnergyPro
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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: Sonoma County Healdsburg Library Refresh Report Page: (Page 4 of 8)
Date Prepared: 1/23/2024

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.

Table with columns for Building Level Controls (01-03), Area Level Controls (04-12), and Field Inspector. Includes rows for Restroom, Library, Corridor, and Storage with various control specifications.

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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Indoor Lighting
CERTIFICATE OF COMPLIANCE NRCC-LTI-E
Project Name: Sonoma County Healdsburg Library Refresh Report Page: (Page 5 of 8)
Date Prepared: 1/23/2024

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used.

Table with columns for Conditioned Spaces (01-06) showing Area Description, Complete Building or Area Category Primary Function Area, Allowed Density (W/ft²), Area (ft²), Allowed Wattage (Watts), and Additional Allowance / Adjustment (Area Category, PAF).

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.

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Project Name: Sonoma County Healdsburg Library Refresh Report Page: (Page 6 of 8)
Date Prepared: 1/23/2024

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.

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.

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Project Name: Sonoma County Healdsburg Library Refresh Report Page: (Page 1 of 8)
Date Prepared: 1/23/2024

A. GENERAL INFORMATION
Table with columns for Project Location (city), Climate Zone, Occupancy Types Within Project, and Total Conditioned/Unconditioned Floor Area.

B. PROJECT SCOPE
Table with columns for Scope of Work, Conditioned Spaces, and Unconditioned Spaces. Includes rows for New Lighting System and Total Area of Work.

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Project Name: Sonoma County Healdsburg Library Refresh Report Page: (Page 2 of 8)
Date Prepared: 1/23/2024

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

Table with columns for Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts) and Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts). Includes rows for Conditioned and Unconditioned spaces.

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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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, these luminaires are not included here.

Table with columns for Name or Item Tag, Complete Luminaire Description, Modular (Track) Fixture, Small Aperture & Color Change, Watts per luminaire², How is Wattage determined, Total Number of Luminaires, Excluded per 140.6(a)(3) / 170.2(e)(2)C, Design Watts, and Field Inspector.

FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)(4) / 170.2(e)(2)D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.
Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

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ISSUE DATE: 01/29/2024

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Table with columns for REVISIONS, DATE, and DESCRIPTION. Includes one revision for PERMIT CHANGES on 3/22/24.

SHEET TITLE

TITLE 24
DOCUMENTATION

SHEET NUMBER

E8.01