

CKSD/ KRL
900 BUILDING RENOVATION

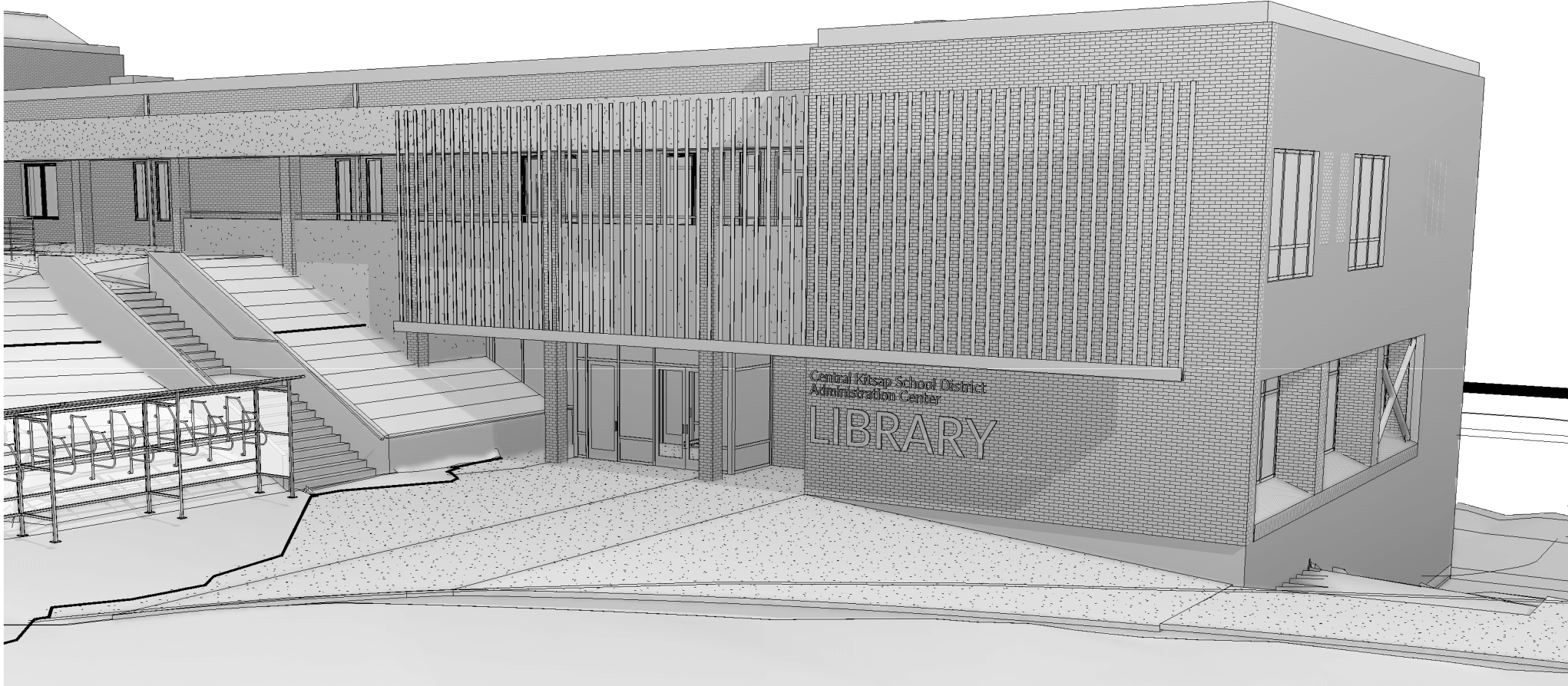
RICEfergusMILLER
ARCHITECTURE INTERIORS PLANNING VIZLAB
275 FIFTH STREET, SUITE 100
BREMERTON, WA 98337
360-377-8773
RFMARCH.COM

Reviewed for Code Compliance
Kitsap County Building/ Fire Marshals
06/23/20203:19:42 PM kwlodarchak

Subject to Field Inspection

Fire Alarm System Required
Under Separate Permit

Fire Sprinkler System
Required Under Separate Permit



OWNER:
CENTRAL KITSAP SCHOOL DISTRICT
9210 SILVERDALE WAY NW / PO BOX 8
SILVERDALE, WA 98383
PH: (360) 662-1709

CONTACT: MARK VAIL
PH: (360) 509-0507
EMAIL: MARKVA@CKSCHOOL.ORG

ARCHITECT:
RICE FERGUS MILLER, INC.
275 5TH STREET
SUITE 100
BREMERTON, WA 98337
PH: (360) 377-8773
FX: (360) 752-1385

CONTACT: MIKE WRIGHT
PH: (360) 362-1864
EMAIL: MWRIGHT@RFMARCH.COM

CIVIL ENGINEERING & LANDSCAPE DESIGN:
AHLB, INC.
2215 NORTH 30TH STREET SUITE 300
TACOMA, WA 98403-3350
PH: (253) 383-2422

CONTACT: LISA KLEIN
PH: (253) 284-0256
EMAIL: LKLEIN@AHLB.COM

STRUCTURAL ENGINEERING:
REID MIDDLETON
728 5TH STREET, SUITE 100
EVERETT, WA 98204
PH: (425) 741-3800
FX:
CONTACT: SETH STAPLETON
PH: (206) 948-5572
EMAIL: SSTAPLETON@REIDMIDDLETON.COM

MEP ENGINEERING:
SIDER + BYERS
192 NICKERSON STREET, SUITE 300
SEATTLE, WA 98109
PH: (206) 285-2966
MECHANICAL CONTACT: NATHAN BYERS
EMAIL: NATHAN@SIDERBYERS.COM

ELECTRICAL CONTACT: GEORGINNA LUCAS
EMAIL: GEORGINNA@SIDERBYERS.COM

PROJECT TEAM

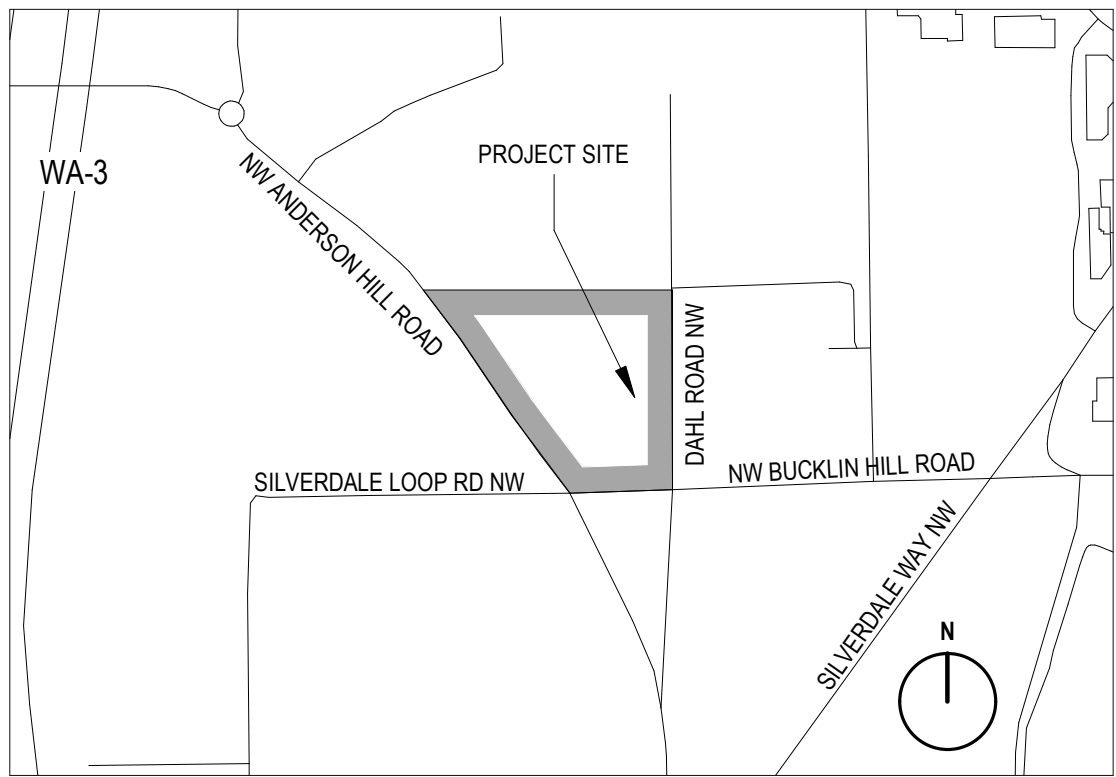
REUSE OF THE EXISTING 900 WING BUILDING TO THE CENTRAL KITSAP HIGH SCHOOL FOR THE SILVERDALE BRANCH OF KITSAP REGIONAL LIBRARY AND ADMINISTRATIVE OFFICES FOR CENTRAL KITSAP SCHOOL DISTRICT. THE SCOPE OF WORK INCLUDES SELECTIVE INTERIOR AND EXTERIOR MODIFICATIONS TO THE EXISTING BUILDING. ARCHITECTURAL DEMOLITION WORK WILL INCLUDE: REMOVAL OF EXISTING NON STRUCTURAL INTERIOR WALLS, CEILINGS, FLOORING AND OTHER FINISHES AS SHOWN. MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL INCLUDE UPDATES TO ALL SYSTEMS TO CURRENT CODE REQUIREMENTS OF SPECIFIC USES.

BASE BID TO INCLUDE DEMOLITION OF EXISTING TILT-UP GYMNASIUM. ALTERNATE TO KEEP STRUCTURE TO INCLUDE THE FOLLOWING UNDER THIS PERMIT:

- STRUCTURAL REINFORCING OF EXISTING PARTY WALL(S) TO ADDRESS INSUFFICIENT SEISMIC JOINT SEPERATION
- ENLARGEMENT OF FIRE APPARATUS TURNAROUND AT NORTH END OF BUILDING
- NEW HVAC SYSTEM TO SERVE GYMNASIUM SPACES

PLUMBING FIXTURE COUNT TO BE EVALUATED AT FUTURE DATE WHEN USE OF GYMNASIUM IS KNOWN.

PROJECT DESCRIPTION



VICINITY MAP
NOT TO SCALE

Permit Number: 19-05911

DRAWING INDEX table with columns SHEET # and SHEET NAME. Row A00.01: COVER SHEET AND GENERAL PROJECT INFORMATION.

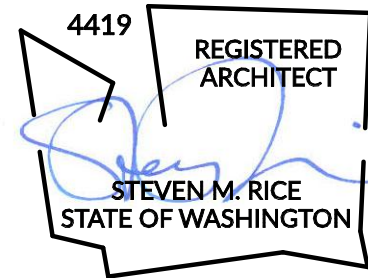
CIVIL AND LANDSCAPE SUBMITTED UNDER SEPERATE SDAP PERMIT

ADDED SHEETS
A35.03 ROOF DETAILS
A71.05 INTERIOR DETAILS

Table listing architectural and structural details, including demolition, architectural, and structural components with sheet numbers.

DRAWING INDEX table with columns SHEET # and SHEET NAME. Lists mechanical, plumbing, and electrical details across multiple sheets.

ADDED page A34.01 Wall sections
A35.01 Exterior details
A35.02 Exterior details
A40.02 Elevator plans, section & details
A50.02 Window and door details
A50.03 Storefront and relite details



CKSD/ KRL
900 BUILDING RENOVATION
3700 NW ANDERSON HILL RD
SILVERDALE, WA 98383

Table containing project information: PROJECT # 2018048.03, PERMIT SET, ISSUE DATE DECEMBER 24, 2019, and a REVISION SCHEDULE table.

COVER SHEET AND
GENERAL PROJECT
INFORMATION

SHEET #

A00.01

**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE WA 98383

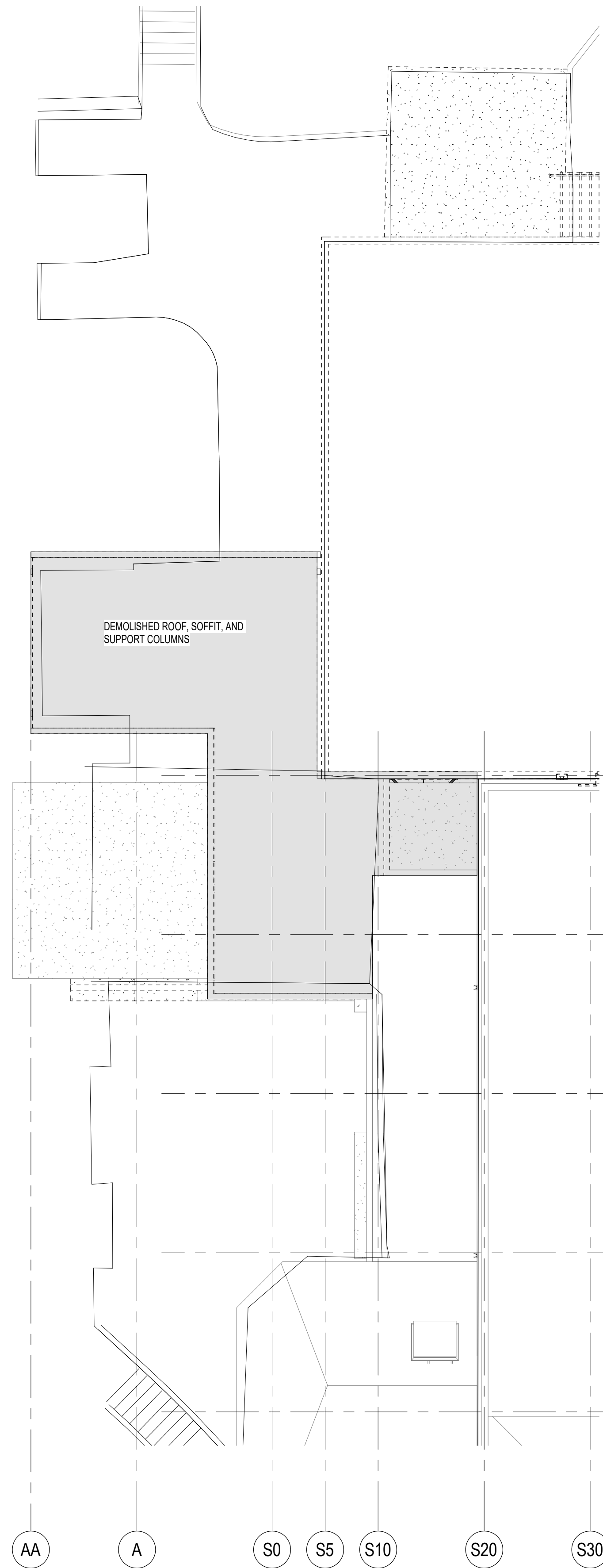
KEY NOTES - DEMOLITION SITE PLAN	
#	NOTE DESCRIPTION
1	DEMOLISH EXISTING TILT-UP GYMNASIUM IN BASE BID (REMAIN IN ALTERNATE 1)
2	DEMOLISH EXISTING COVERED WALKWAY AND SUPPORT COLUMNS, ROOF AREA SHOWN SHADED IN PLANS
3	DEMOLISH EXISTING CONCRETE WALKWAY
4	DEMOLISH RETAINING WALLS, STEPS AND ASSOCIATED LANDSCAPE. SEE CIVIL DRAWINGS FOR EXTENT
5	DEMOLISH SKYLIGHT IN ROOF
6	EXISTING PORCELAIN GLASSROOM, STAIRS, RAMPS, AND EXTERIOR WALKWAY TO BE REMOVED BY CONTRACTOR DURING CONSTRUCTION TO BE RELOCATED PER DISTRICT INSTRUCTIONS AT END OF CONSTRUCTION
7	SEE AHLB DRAWINGS FOR REMOVAL REMOVAL OF PARKING STRIPING
8	SEE AHLB DRAWINGS REGARDING RETAINED FLAGPOLE, REMOVED CURB AND LANDSCAPING REQUIRED FOR NEW LANDSCAPING AND PARKING LIGHT POLE TO REMAIN
9	DEMOLISH METAL WORK BETWEEN COLUMNS
10	CONCRETE GUARDRAIL TO REMAIN
11	DEMO EXISTING TREE
12	DEMO ROOF FOR SKYLIGHTS
13	POSSIBLE TIME CAPSULE LOCATED IN AREA UNDERNEATH BENCH, COORDINATE WITH DISTRICT ON WHETHER PREVIOUS DEMOLITION WORK HAS UNCOVERED IT
16	STEEL TUBE HANDRAIL TO REMAIN STEEL TUBE HANDRAIL TO REMAIN STEEL TUBE HANDRAIL TO REMAIN

[illegible]

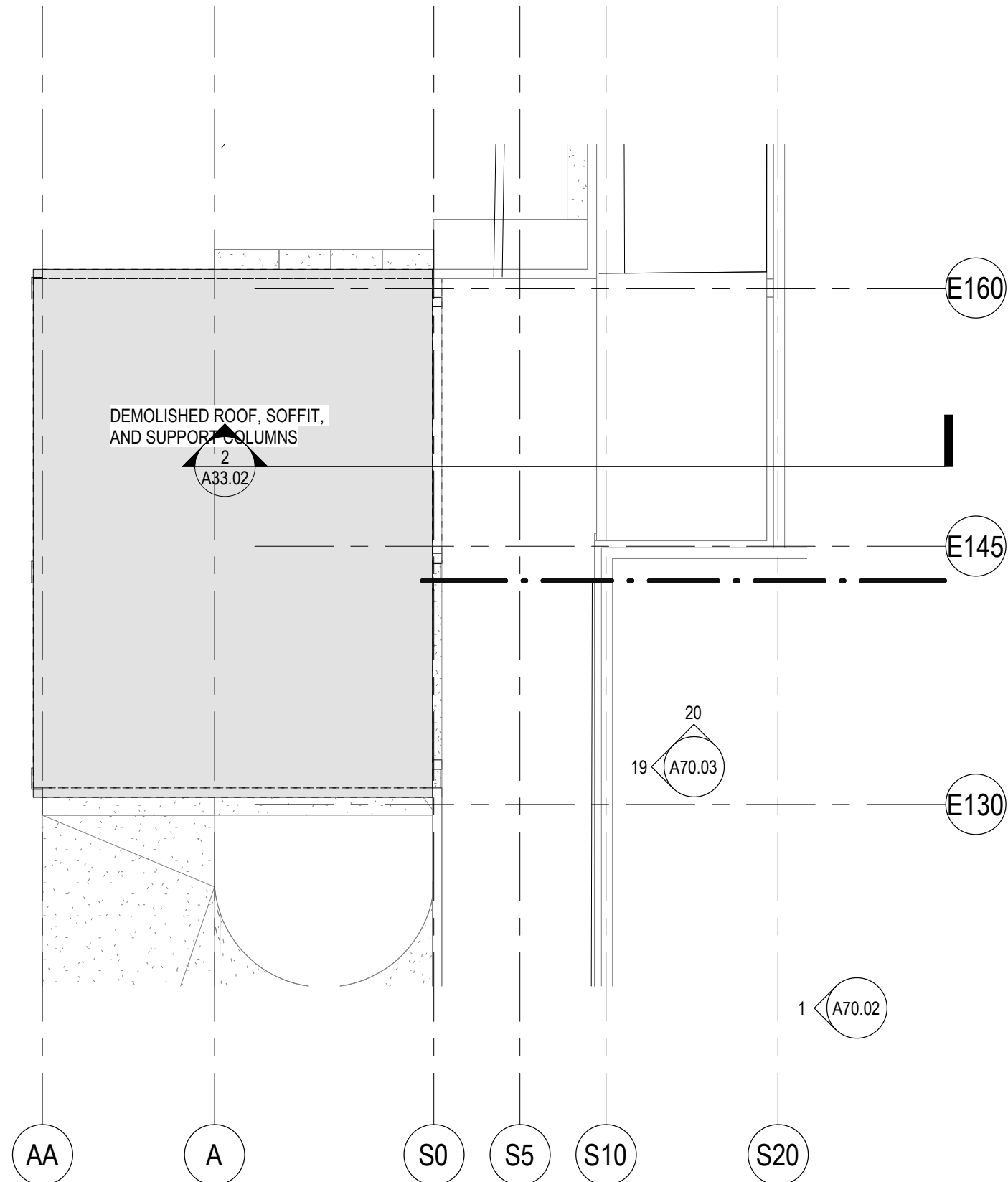
# DEMO SITE PLAN

SHEET #

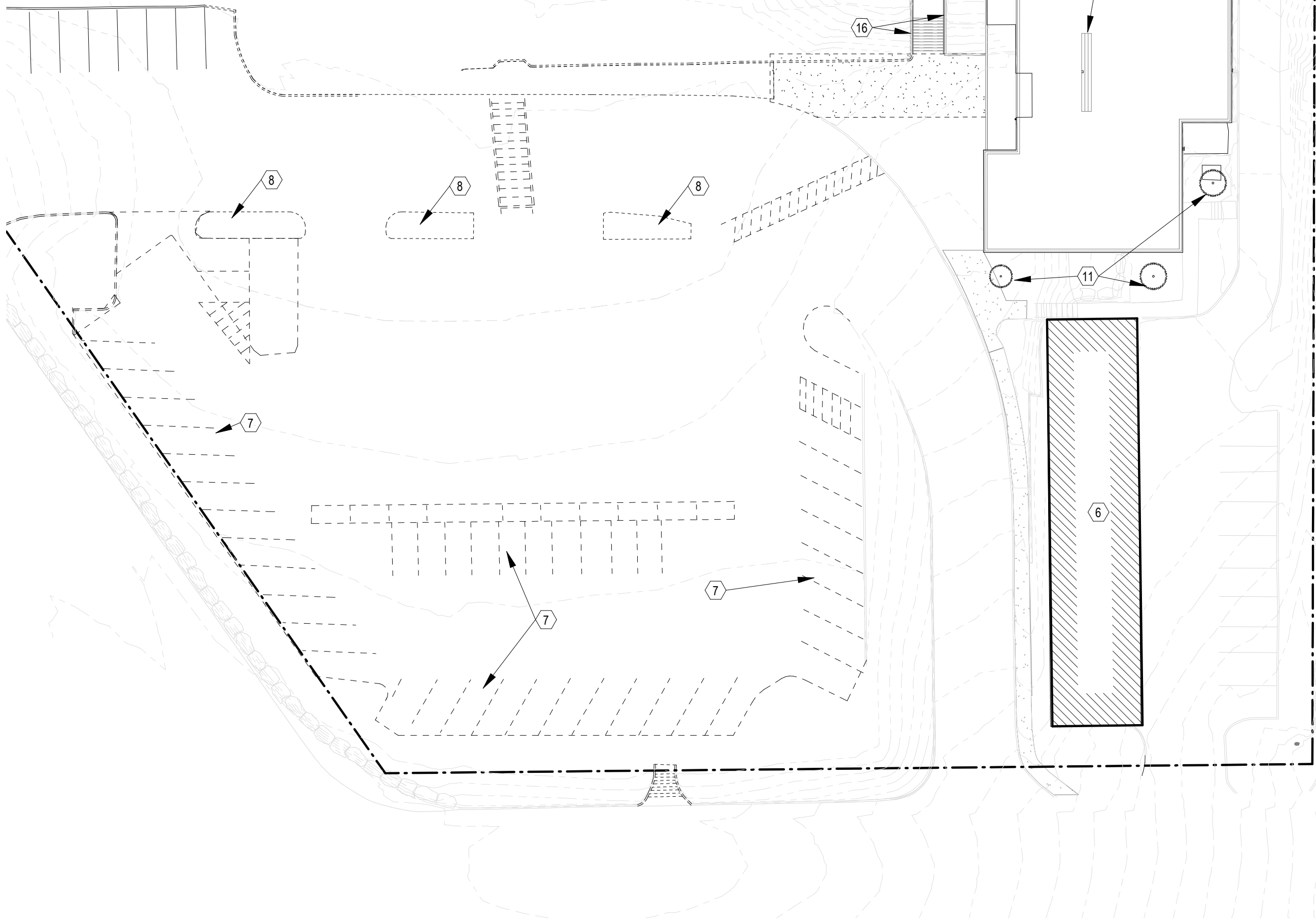
# D10.01



2 DEMO SITE PLAN - Callout 1  
1/8" = 1'-0"



3 DEMO SITE PLAN - Callout 2  
1/8" = 1'-0"

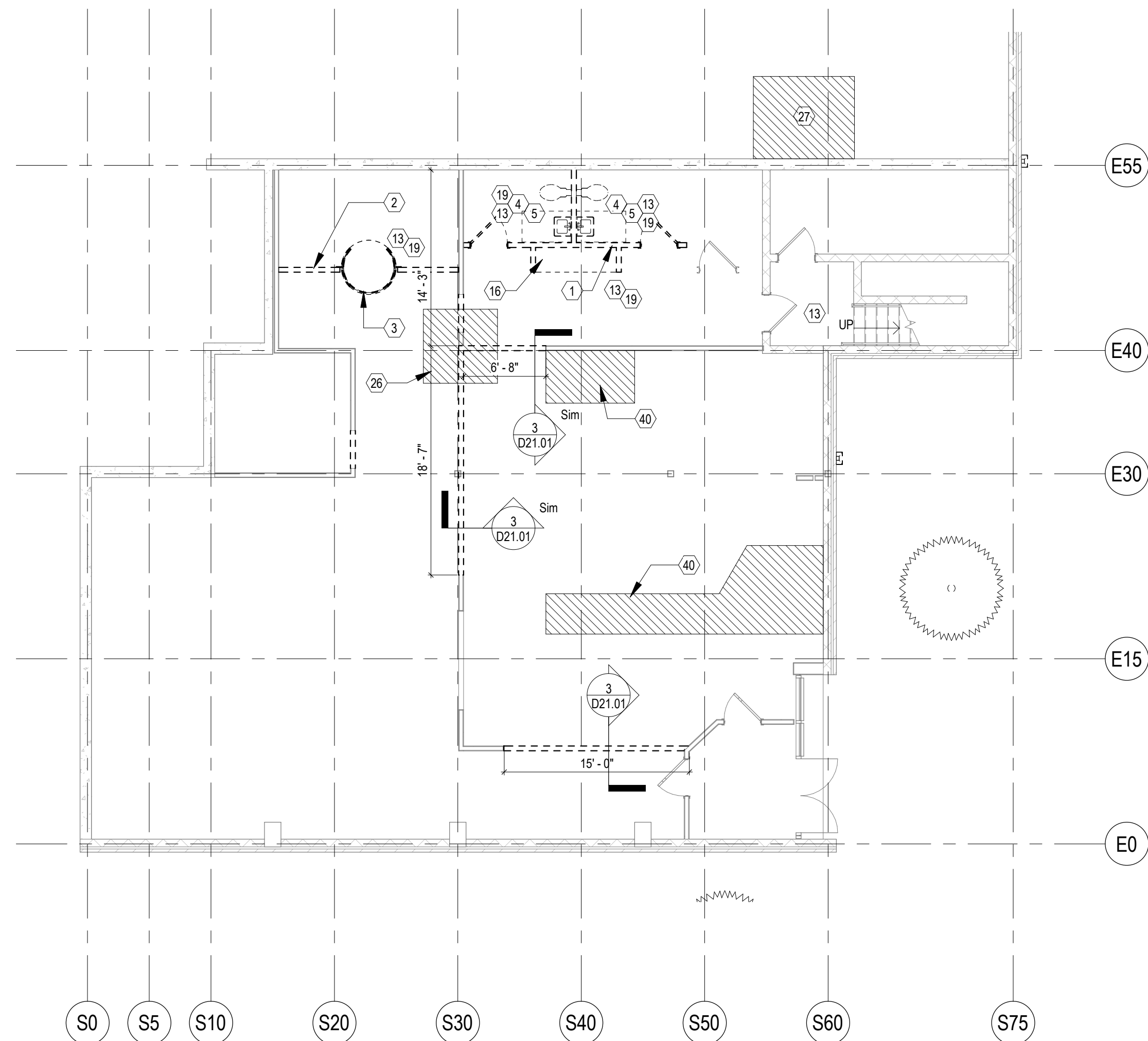
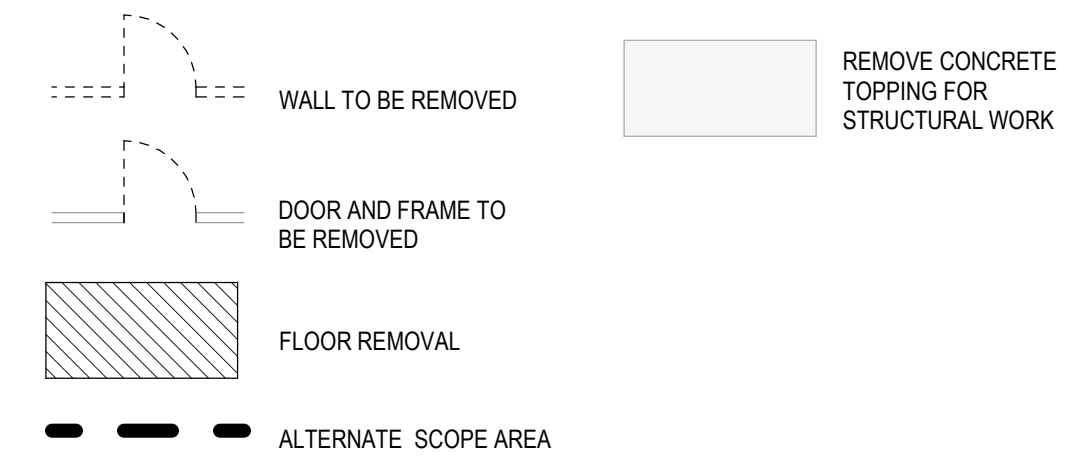


1 DEMO SITE PLAN  
1" = 30'-0"



1. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE DOCUMENTED HERE.
2. CONTRACTOR TO PROTECT CONSTRUCTION THAT IS NOT INTENDED TO BE REMOVED AND MAINTAIN IN GOOD CONDITION.
3. CONTRACTOR TO MAINTAIN FLOORING TO REMAIN.
4. CONTRACTOR TO REMOVE ALL EXIT SIGNS AND COORDINATE SALVAGE WITH OWNER.
5. CONTRACTOR TO PROTECT TO ELEMENTS OF THE FIRE ALARM AND SUPPRESSION SYSTEMS DURING ALL PHASES OF CONSTRUCTION AND MODIFY BASED ON NEW CONSTRUCTION.
6. SEE STRUCTURAL DRAWINGS FOR AREAS OF FLOOR TO BE REMOVED FOR NEW SHEAR WALLS.
7. REMOVE WALL BASE FROM ALL AREAS THAT RECEIVE NEW FLOORING.
8. CONTRACTOR TO REMOVE ALL FIRE EXTINGUISHER CABINETS WITHIN AREAS OF WORK AND SALVAGE FOR REUSE.
9. CONTRACTOR TO REMOVE ALL SCHOOL EQUIPMENT INCLUDING CHALK, WHITE AND TACK BOARDS AND COORDINATE SALVAGE WITH OWNER.
10. CONTRACTOR TO SEE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION DRAWINGS FOR OTHER WORK TO BE REMOVED.
11. REMOVE BLINDS AT ALL EXTERIOR WINDOWS WITHIN AREAS OF WORK.
12. COORDINATE DEMOLITION WORK WITH ABATEMENT DRAWINGS.

### LEGEND - DEMO PLAN LEGEND



## KEY NOTES - DEMO FLOOR PLAN

#	NOTE DESCRIPTION
1	REMOVE WALL IN ITS ENTIRETY INCLUDING DOORS, FRAMES, ETC
2	REMOVE DARK ROOM AND ALL EQUIPMENT. COORDINATE SALVAGE WITH OWNER
3	REMOVE REVOLVING DARK ROOM DOOR IN ITS ENTIRETY AND COORDINATE SALVAGE WITH OWNER
4	REMOVE RESTROOM PLUMBING FIXTURES
5	REMOVE TOILET ACCESSORIES INCLUDING GRAB BARS, MIRRORS AND TOILET PAPER DISPENSERS. SALVAGE FOR REUSE
6	REMOVE TILE FINISH FROM FLOOR AND WALLS
7	REMOVE HM DOOR AND FRAME IN THEIR ENTIRETY
8	REMOVE WALK IN FREEZER IN ITS ENTIRETY AND COORDINATE SALVAGE WITH OWNER
9	REMOVE WALK IN COOLER AND COORDINATE SALVAGE WITH OWNER
10	REMOVE VINYL FLOORING AND RUBBER BASE ON STAIRS AND LANDING
12	REMOVE WALL SECTION FOR INSTALLATION OF NEW OPENING. SEE FLOOR PLAN FOR LOCATIONS AND STRUCTURAL FOR DETAILS PRIOR TO REMOVAL
13	REMOVE FLOORING AND WALL BASE
15	REMOVE KITCHEN TILE FROM FLOORS AND WALLS IN ALL ROOMS WHERE EXISTS. DECOMMISSION DRAIN.
16	REMOVE CABINETS' PLUMBING FIXTURES AND REMAINING KITCHEN EQUIPMENT AND COORDINATE SALVAGE WITH OWNER
17	REMOVE VINYL WALL TILE
18	REMOVE GYPSUM BOARD AND FRAMED SOFFIT
19	REMOVE PLASTER CEILING IN ITS ENTIRETY
20	REMOVE TOILET PARTITIONS
21	REMOVE ACET CEILING IN ITS ENTIRETY INCLUDING LIGHT FIXTURES AND SUSPENSION SYSTEM
22	REMOVE COLUMN. SEE STRUCTURAL FOR DETAILS PRIOR TO REMOVAL. REFER TO A21.12 FOR NEW COLUMN AND BEAM LOCATION.
23	REMOVE RADIATOR AND CABINET
24	REMOVE HANDRAIL
25	REMOVE FLOOR FOR NEW ELEVATOR. SEE FLOOR PLANS FOR DIMENSIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION
26	REMOVE FLOOR IN PREPARATION FOR NEW COLUMN AND FOOTING. SEE STRUCTURAL FOR DETAILS PRIOR TO REMOVAL
27	ELEVATOR PIT ABOVE - COORDINATE WITH STRUCTURAL
28	SLUAT AND REMOVE CONCRETE SLAB ON GRADE FOR NEW SHEAR WALL AND FOOTING. SEE STRUCTURAL DRAWINGS FOR DETAILS
29	DEMO AND REINSTALL BRICK WHERE BRACED FRAME OCCURS
31	FLOORING TO REMAIN, UNO
32	REMOVE WINDOW AND FRAME
33	REMOVE DOWNSPOUT
34	REMOVE UPPER PART OF RAMP IN ORDER TO CREATE NEW RAMP AND LANDING SURFACE
35	CAP AND PROTECT EXISTING PLUMBING FOR POSSIBLE REUSE
36	REMOVE WALL HUNG DRINKING FOUNTAIN
37	REMOVE ROOF ACCESS LADDER
38	DEMOLISH SINK, DECOMMISSION DRAIN
39	REMOVE SURFACE MOUNTED LIGHT FIXTURES, SEE ELECT FOR NEW FIXTURES
40	

**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

PROJECT #	2018048.03
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## PERMIT SET

ISSUE DATE DECEMBER 24, 2019

## REVISION SCHEDULE

## DEMO FLOOR PLAN - BASEMENT AND LEVEL 3

SHEET #

# D21.01



1. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE DOCUMENTED HERE.
2. CONTRACTOR TO PROTECT CONSTRUCTION THAT IS NOT INTENDED TO BE REMOVED AND MAINTAIN IN GOOD CONDITION.
3. CONTRACTOR TO MAINTAIN FLOORING TO REMAIN.
4. CONTRACTOR TO REMOVE ALL EXIT SIGNS AND COORDINATE SALVAGE WITH OWNER.
5. CONTRACTOR TO PROTECT ELEMENTS OF THE FIRE ALARM AND SUPPRESSION SYSTEMS DURING ALL PHASES OF CONSTRUCTION AND MODIFY BASED ON NEW CONSTRUCTION.
6. SEE STRUCTURAL DRAWINGS FOR AREAS OF FLOOR TO BE REMOVED FOR NEW SHEAR WALLS.
7. REMOVE WALL BASE FROM ALL AREAS THAT RECEIVE NEW FLOORING.
8. CONTRACTOR TO REMOVE ALL FIRE EXTINGUISHER CABINETS WITHIN AREAS OF WORK AND SALVAGE FOR REUSE.
9. CONTRACTOR TO REMOVE ALL SCHOOL EQUIPMENT INCLUDING CHALK, WHITE AND TACK BOARD AND COORDINATE SALVAGE WITH OWNER.
10. CONTRACTOR TO SEE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION DRAWINGS FOR OTHER WORK TO BE REMOVED.
11. REMOVE BLINDS AT ALL EXTERIOR WINDOWS WITHIN AREAS OF WORK.
12. COORDINATE DEMOLITION WORK WITH ABATEMENT DRAWINGS.

WALL TO BE REMOVED

DOOR AND FRAME TO BE REMOVED

FLOOR REMOVAL

ALTERNATE SCOPE AREA

REMOVE CONCRETE TOPPING FOR STRUCTURAL WORK

KEY NOTES - DEMO FLOOR PLAN	
#	NOTE DESCRIPTION
1	REMOVE WALL IN ITS ENTIRETY INCLUDING DOORS, FRAMES, ETC
2	REMOVE DARK ROOM AND ALL EQUIPMENT. COORDINATE SALVAGE WITH OWNER
3	REMOVE REVOLVING DARK ROOM DOOR IN ITS ENTIRETY AND COORDINATE SALVAGE WITH OWNER
4	REMOVE RESTROOM PLUMBING FIXTURES
5	REMOVE TOILET ACCESSORIES INCLUDING GRAB BARS, MIRRORS AND TOILET PAPER DISPENSERS. SALVAGE FOR REUSE
6	REMOVE TILE FINISH FROM FLOOR AND WALLS
7	REMOVE HM DOOR AND FRAME IN THEIR ENTIRETY
8	REMOVE WALK IN FREEZER IN ITS ENTIRETY AND COORDINATE SALVAGE WITH OWNER
9	REMOVE WALK IN COOLER AND COORDINATE SALVAGE WITH OWNER
10	REMOVE VINYL FLOORING AND RUBBER BASE ON STAIRS AND LANDING
12	REMOVE WALL SECTION FOR INSTALLATION OF NEW OPENING. SEE FLOOR PLAN FOR LOCATIONS AND STRUCTURAL FOR DETAILS PRIOR TO REMOVAL
13	REMOVE FLOORING AND WALL BASE
15	REMOVE KITCHEN TILE FROM FLOORS AND WALLS IN ALL ROOMS WHERE EXISTS. DECOMMISSION DRAIN
16	REMOVE CABINET'S PLUMBING FIXTURES AND REMAINING KITCHEN EQUIPMENT AND COORDINATE SALVAGE WITH OWNER
17	REMOVE VINYL WALL TILE
18	REMOVE GYPSUM BOARD AND FRAMED SOFFIT
19	REMOVE PLASTER CEILING IN ITS ENTIRETY
20	REMOVE TOILET PARTITIONS
21	REMOVE AC CEILING IN ITS ENTIRETY INCLUDING LIGHT FIXTURES AND SUSPENSION SYSTEM
22	REMOVE COLUMN. SEE STRUCTURAL FOR DETAILS PRIOR TO REMOVAL. REFER TO A21.12 FOR NEW COLUMN AND BEAM LOCATION.
23	REMOVE RADIATOR AND CABINET
24	REMOVE HANDRAIL
25	REMOVE FLOOR FOR NEW ELEVATOR. SEE FLOOR PLANS FOR DIMENSIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION
26	REMOVE FLOOR IN PREPARATION FOR NEW COLUMN, AND FOOTING. SEE STRUCTURAL FOR DETAILS PRIOR TO REMOVAL
27	ELEVATOR PIT ABOVE - COORDINATE WITH STRUCTURAL
28	CUT OUT AND REMOVE CONCRETE SLAB ON GRADE FOR NEW SHEAR WALL AND FOOTING. SEE STRUCTURAL DRAWINGS FOR DETAILS
29	DEMO AND REINSTALL BRICK WHERE BRACED FRAME OCCURS
31	FLOORING TO REMAIN, UNO
32	REMOVE WINDOW AND FRAME
33	REMOVE DOWNSPOUT
34	REMOVE UPPER PART OF RAMP IN ORDER TO CREATE NEW RAMP AND LANDING SURFACE
35	CAP AND PROTECT EXISTING PLUMBING FOR POSSIBLE REUSE
36	REMOVE WALL HUNG DRINKING FOUNTAIN
37	REMOVE ROOF ACCESS LADDER
38	DEMOLISH SINK, DECOMMISSION DRAIN
39	REMOVE SURFACE MOUNTED LIGHT FIXTURES. SEE ELECT FOR NEW FIXTURES
40	

4419  
REGISTERED  
ARCHITECT  
STEVEN M. RICE  
STATE OF WASHINGTON

**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

[illegible]

# DEMO FLOOR PLAN - LEVEL 1

SHEET #

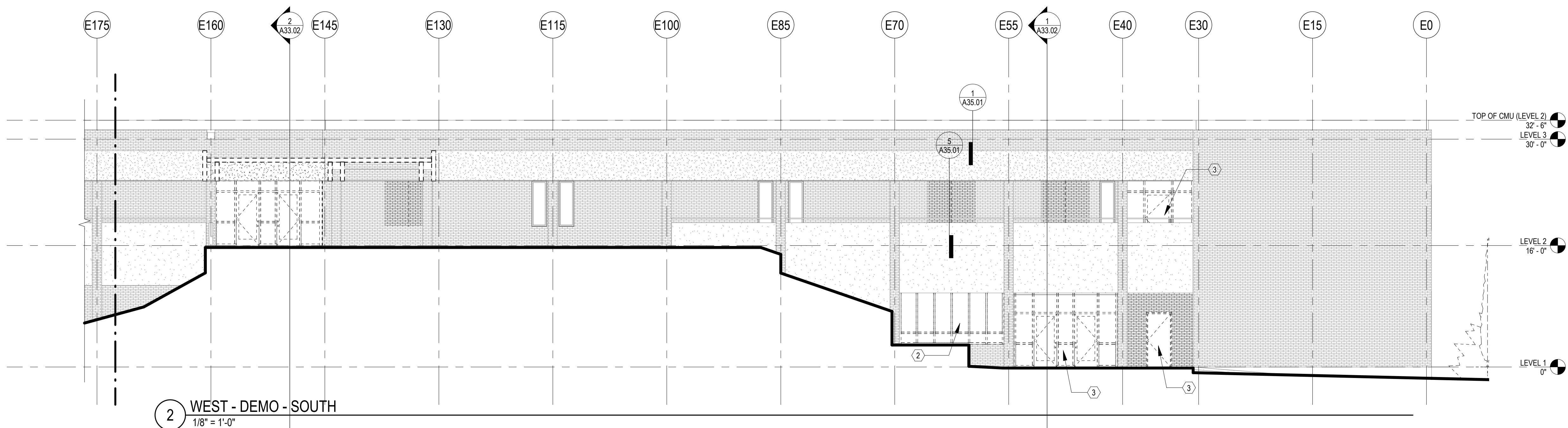
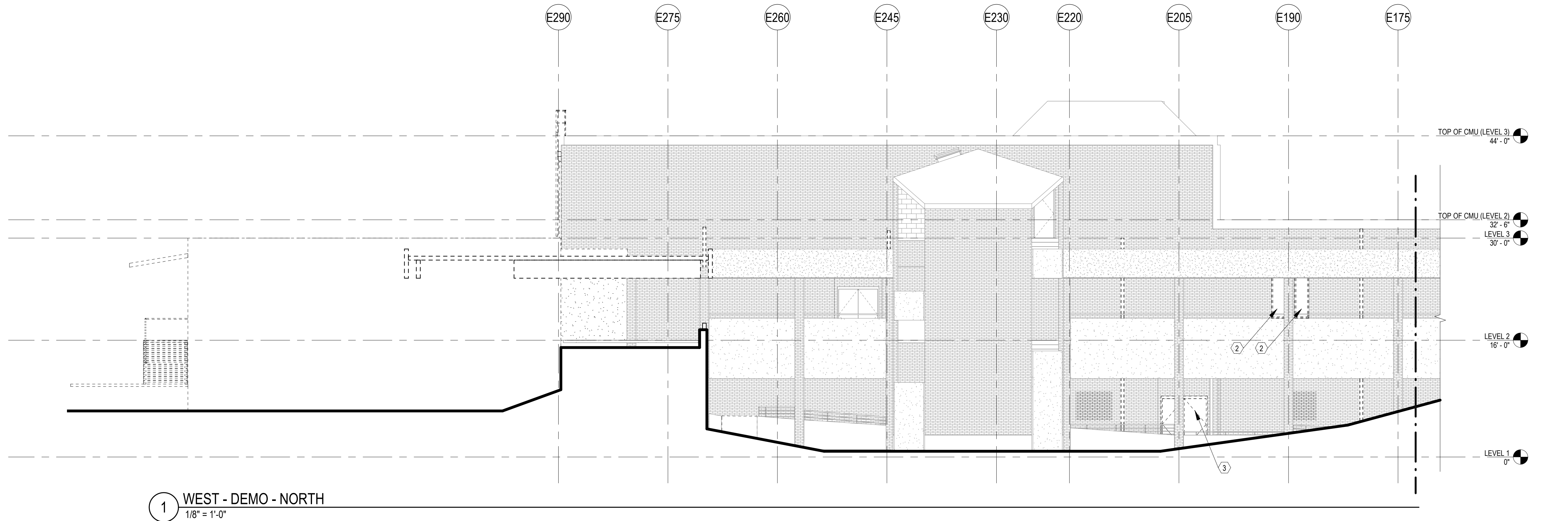
# D21.02



#	NOTE DESCRIPTION
1	REMOVE EXTERIOR WALL FOR NEW OPENING, REFER TO STRUCTURAL FOR SHORING REQUIREMENTS
2	REMOVE WINDOW AND FRAME
3	REMOVE HM DOOR AND FRAME IN THEIR ENTIRETY
4	REMOVE ACCESS LADDER
6	REMOVE STEEL STAIR
7	REMOVE STEEL AWNING



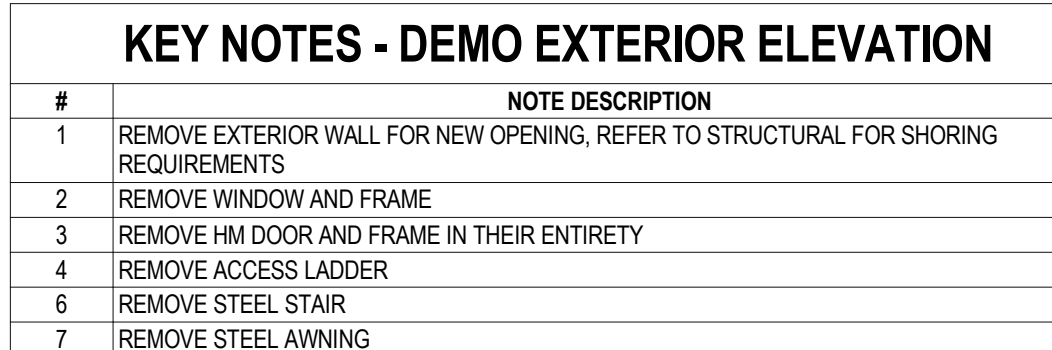
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SILVERDALE, WA 98383

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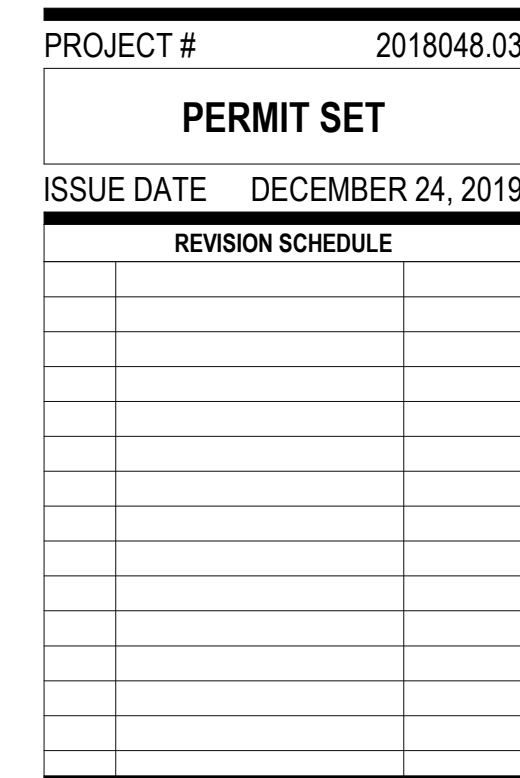
DEMO EXTERIOR  
ELEVATION - WEST

SHEET #  
**D31.01**





**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383



DEMO EXTERIOR  
ELEVATION - NORTH  
AND SOUTH





## SPECIAL INSPECTIONS

NON-STRUCTURAL SPECIAL INSPECTIONS FOUND IN THE 2015 IBC AND WSEC STATEMENT OF SPECIAL INSPECTIONS FOR GENERAL TRADES, MECHANICAL, AND ELECTRICAL SYSTEMS

1. SPECIAL INSPECTIONS SHALL BE PROVIDED PER THE REQUIREMENTS OF THE IBC AND REFERENCED STANDARDS.
2. REFER TO STRUCTURAL DRAWINGS FOR SPECIAL INSPECTION REQUIREMENTS OF STRUCTURAL SYSTEMS.
3. TESTING AND SPECIAL INSPECTION REPORTS PREPARED BY THE SPECIAL INSPECTOR SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, ARCHITECT, ENGINEER, AND OWNER ON A DAILY BASIS WHENEVER TESTING OR SPECIAL INSPECTIONS ARE PERFORMED.

**DESIGN NOTE:** THIS PROJECT IS IN SEISMIC ZONE D AND RISK CATEGORY II. REFER TO GENERAL STRUCTURAL NOTES

SPECIAL INSPECTIONS							
APPLICABLE TO THIS PROJECT	SYSTEM	REFERENCE 2015 IBC, UNO	VERIFICATION AND INSPECTION	INSPECTION METHODS			NOTES AND EXPECTATIONS
				CONTINUOUS	TESTING	PERIODIC	
YES	WIND OR SEISMIC-RESISTING COMPONENTS	1704.4	CONTRACTORS STATEMENT OF RESPONSIBILITY FOR SPECIAL INSPECTION	NO	NO	YES	REQUIRED FOR EACH CONTRACTOR RESPONSIBLE FOR CONSTRUCTION OF WIND OR SEISMIC-RESISTING SYSTEMS OR COMPONENTS.
NO	EXTERIOR CLADDING AND VENEER	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	EXCEPTION FOR < 30' ABOVE WALKING SURFACE EXCEPTIONS (REFERENCE 1705.11.5): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE. 2. CLADDING OR VENEER <5 PSF.
NO	INTERIOR VENEER	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	EXCEPTION FOR < 30' ABOVE WALKING SURFACE EXCEPTIONS (REFERENCE 1705.11.5): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE. 2. VENEER <5 PSF.
YES	INTERIOR NON-LOAD BEARING PARTITIONS	1705.12.5	ERECTION AND FASTENING	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE 1705.11.5): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE. 2. INTERIOR NON-LOAD BEARING WALLS <15 PSF.
NO	EIFS SYSTEMS	1705.16	INSTALLATION	NO	NO	YES	EXCEPTION FOR INSTALLATION OVER MASONRY OR CONCRETE 1. EIFS SYSTEMS OVER WRB WITH DRAINAGE TO EXTERIOR. 2. EIFS SYSTEMS OVER MASONRY OR CONCRETE.
YES	FIRE-RESISTANT PENETRATIONS AND JOINTS	1705.17	INSPECTION	NO	NO	YES	REQUIRED FOR: 1. HIGH-RISE CONSTRUCTION (REFERENCE SECTION 403) 2. BUILDINGS OF RISK CATEGORY III OR IV PER TABLE 1604.5
YES	INTERIOR GLAZED PARTITION	ASCE 7-10 11A.1.3.9 (3)	ERECTION	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F. EXCEPTIONS (REFERENCE ASCE 7-10 SECTION 11A.1.3.9 (3)): 1. SYSTEMS <30 FEET ABOVE GRADE OR WALKING SURFACE.
YES	SUSPENDED CEILING	ASCE 7-10 11A.1.3.9 (2)	INSTALLATION	NO	NO	YES	APPLICABLE FOR SEISMIC ZONE D, E OR F.
NO	STORAGE RACKS	1705.12.7	ANCHORAGE	NO	NO	YES	LIBRARY STACKS <5' TALL AND NO STORAGE RACKS
YES	SEISMIC ISOLATION SYSTEMS AND ENERGY DISSIPATION DEVICES	1705.12.8	FABRICATION AND INSTALLATION	NO	NO	YES	ONLY IF ALTERNATE 1 IS ACCEPTED
YES	VIBRATION ISOLATION SYSTEMS	1705.12.6(5)	INSTALLATION AND ANCHORAGE	NO	NO	YES	ONLY IF ALTERNATE 1 IS ACCEPTED
NO	PIPING SYSTEMS AND MECHANICAL UNITS CARRYING HAZARDOUS MATERIALS	1705.12.6(3)	INSTALLATION AND ANCHORAGE	NO	NO	YES	SEISMIC ZONE C, D, E OR F.
YES	ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS	1705.12.6(1)	ANCHORAGE	NO	NO	YES	SEISMIC ZONE C, D, E OR F.
YES	ELECTRICAL EQUIPMENT	1705.12.6(2)	ANCHORAGE	NO	NO	YES	SEISMIC ZONE E AND F
NO	BUILDING ENVELOPE AIR BARRIER	WSEC C402.5.1.2	AIR LEAKAGE RATE	NO	YES AT BLDG COMPLETION	NO	EXISTING BRICK VENEER TO REMAIN

**CKSD/ KRL**  
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 3700 NW ANDERSON HILL RD  
 SILVERDALE, WA 98383

PROJECT #	2018048.03
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## PERMIT SET

ISSUE DATE DECEMBER 24, 2019

## REVISION SCHEDULE

1	Permit Review Responses	04/03/20
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[illegible]

## SPECIAL INSPECTIONS

SHEET #

# A00.04

## STRUCTURAL SPECIAL INSPECTION SCHEDULES

SEE EARTHQUAKE DESIGN DATA SECTION OF THE GENERAL STRUCTURAL NOTES ON SHEET (SXX.X) FOR SEISMIC FORCE DETERMINING SYSTEMS. SEISMIC FORCE DETERMINING SYSTEMS INCLUDING DRING STRUTS AND CHOKERS ARE SUBJECT TO SPECIAL INSPECTION IN ACCORDANCE WITH THE FOLLOWING SEISMIC AND NON-SEISMIC TABLES. STRUCTURAL SYSTEMS NOT PART OF THE SEISMIC FORCE DETERMINING SYSTEM NEED ONLY BE INSPECTED IN ACCORDANCE WITH NON-SEISMIC TABLES.

**STRUCTURAL STEEL SPECIAL INSPECTION**  
SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH AISC 341, AISC 360, AND THE FOLLOWING INFORMATION.  
TASK - INDICATES WHETHER TO OBSERVE OR PERFORM (OR BOTH) THE INSPECTION TASK.  
DOC - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.  
O - THESE FUNCTIONS ARE AT RANDOM DAILY OPERATIONS. OBSERVATIONS NEED NOT BE DELAYED PENDING INSPECTIONS. FREQUENCY OF OBSERVATIONS SHALL BE ADEQUATE TO CONFIRM THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE DOCUMENTS.  
P - PERFORM FOR EACH JOINT OR MEMBER PRIOR TO THE FINAL ACCEPTANCE OF THE ITEM.  
QC - TASKS INDICATED AS "QC" SHALL BE EXECUTED BY THE FABRICATOR AND ERECTOR IN ACCORDANCE WITH AISC 360 CHAPTER N. TASKS INDICATED AS "QA" SHALL BE EXECUTED BY THE SPECIAL INSPECTOR IN ACCORDANCE WITH AISC 360 CHAPTER N.

INSPECTION TASKS	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECT THE FABRICATED STEEL AND ERECTED STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN IN THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION	QC	QA	ASC 360 CH N	

INSPECTION TASKS PRIOR TO WELDING	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASKS PRIOR TO WELDING	QC	QA		
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	P	P		
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P		
MATERIAL IDENTIFICATION (TYPE / GRADE)	O	O		
WELDER IDENTIFICATION SYSTEM <sup>1</sup>	O	O		
SET-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY, JOINT PREPARATION, DIMENSIONS, ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL, CLEANLINESS, CONDITION OF STEEL SURFACES, TACKING (TACK WELD QUALITY AND LOCATION), BACKING TYPE AND FIT (IF APPLICABLE))	O	O	ASC 360 CH N AND AISC D1.1	1705.2.1
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O		
SET-UP OF FILLET WELDS, DIMENSIONS, ALIGNMENT, GAPS AT ROOT, CLEANLINESS, CONDITION OF STEEL SURFACES, TACKING (TACK WELD QUALITY AND LOCATION), CHECK WELDING EQUIPMENT	O	O		
INSPECTION TASKS DURING WELDING	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASKS DURING WELDING	QC	QA		
USE OF QUALIFIED WELDERS	O	O		
CONTROL AND HANDLING OF WELDING CONSUMABLES, PACKAGING, EXPOSURE CONTROL	O	O		
NO WELDING OVER CRACKED TACK WELDS	O	O		
ENVIRONMENTAL CONDITIONS, WIND SPEED WITHIN LIMITS, PREHEAT AND TEMPERATURE	O	O	ASC 360 CH N AND AISC D1.1	1705.2.1
WPS FOLLOWED, SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHELTING GAS TYPE, FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MINIMUM / MAXIMUM), PROPER POSITION (F, V, H, OH)	O	O		
WELDING TECHNIQUES, INTERPASS AND FLAME CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS	O	O		
INSPECTION TASKS AFTER WELDING	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASKS AFTER WELDING	QC	QA		
WELDS CLEANED	O	O		
SIZE, LENGTH AND LOCATION OF WELDS	P	P		
WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	P		
CRACK PROHIBITION	P	P		
WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	P		
CRATER CROSS SECTION	P	P		
WELD PROFILES AND SIZE	P	P		
UNDERCUT	P	P		
REPAIR ACTIVITIES	P	P		
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P		

<sup>1</sup> THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.  
<sup>2</sup> WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE AREA, VISUALLY INSPECT THE WEB AREA FOR CRACKS WITHIN 3 INCHES OF WELD.

INSPECTION TASK PRIOR TO WELDING	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASK PRIOR TO WELDING	QC	QA		
MATERIAL IDENTIFICATION (TYPE / GRADE)	O	O		
WELDER IDENTIFICATION SYSTEM	O	O		
SET-UP OF GROOVE (INCLUDING JOINT GEOMETRY / JOINT PREPARATION)	P	O	ASC 341 CH J, AISC D1.1, AND AISC D1.8	1705.12.1
DIMENSION (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	P	O		
CLEANLINESS (CONDITION OF STEEL SURFACES)	P	O		
TACKING (TACK WELD QUALITY AND LOCATION)	P	O		
BACKING TYPE AND FIT (IF APPLICABLE)	P	O		
CONFIGURATION AND FINISH TO ACCESS HOLES	O	O		
SET-UP OF GROOVE (INCLUDING JOINT GEOMETRY)	P	O		
DIMENSION (ALIGNMENT, GAPS OF ROOT)	P	O		
CLEANLINESS (CONDITION OF STEEL SURFACES)	P	O		
TACKING (TACK WELD QUALITY AND LOCATION)	P	O		
INSPECTION TASK DURING WELDING	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASK DURING WELDING	TASK	DOC	TASK	DOC
WPS FOLLOWED				
SETTINGS ON WELDING EQUIPMENT				
TRAVEL SPEED				
SELECTED WELDING MATERIALS				
SHELTING GAS TYPE, FLOW RATE	O	O		
PREHEAT APPLIED				
INTERPASS TEMPERATURE MAINTAINED (MINIMUM / MAXIMUM)				
PROPER POSITION (F, V, H, OH)				
INTERVAL OF FILTER METALS ALLOWED UNLESS APPROVED				
CONFIGURATION AND FINISH TO ACCESS HOLES	O	O	ASC 341 CH J, AISC D1.1, AND AISC D1.8	1705.12.1
CONTROL AND HANDLING OF WELDING CONSUMABLES	O	O		
PACKAGING	O	O		
EXPOSURE CONTROL				
ENVIRONMENTAL CONDITIONS				
WIND SPEED WITHIN LIMITS	O	O		
PRECIPITATION AND TEMPERATURE				
WELDING TECHNIQUES				
INTERPASS AND FINAL CLEANING	O	O		
EACH PASS WITHIN PROFILE LIMITATIONS				
EACH PASS MEET QUALITY REQUIREMENTS				
NO WELDING OVER CRACKED TACKS	O	O		
INSPECTION TASK AFTER TO WELDING	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION TASK AFTER TO WELDING	TASK	DOC	TASK	DOC
WELDS CLEANED	O	O		
SIZE, LENGTH, AND LOCATION OF WELDS	P	P		
WELDS MEET VISUAL ACCEPTANCE CRITERIA				
CRACK PROHIBITION				
WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	D	P	D
CRATER CROSS SECTION				
WELD PROFILES AND SIZE				
UNDERCUT				
REPAIR ACTIVITIES	P	D	P	D
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	D	P	D

<sup>1</sup> THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.  
<sup>2</sup> WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE AREA, VISUALLY INSPECT THE WEB AREA FOR CRACKS WITHIN 3 INCHES OF WELD.

OTHER INSPECTION TASKS	QC	QA	REFERENCED STANDARD	IBC REFERENCE
OTHER INSPECTION TASKS	TASK	DOC	TASK	DOC
RBS REQUIREMENTS, IF APPLICABLE	P	D	P	D
CONTOUR AND FINISH				
DIMENSIONAL TOLERANCES				
PROTECTED ZONE, NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY FABRICATOR OR ERECTOR, AS APPLICABLE	P	D	P	D
SEISMIC COMPOSITE CONSTRUCTION	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION OF COMPOSITE STRUCTURES PRIOR TO CONCRETE PLACEMENT	TASK	DOC	TASK	DOC
DETERMINATION OF CARBON EQUIVALENT FOR REINFORCING STEEL OTHER THAN ASTM A706	O	O	O	O
PROPER REINFORCING STEEL SIZE, SPACING AND ORIENTATION	O	O	O	O
REINFORCING STEEL HAS NOT BEEN PRESENT IN THE FIELD	O	O	O	O
REINFORCING STEEL HAS BEEN TIED AND SUPPORTED AS REQUIRED	O	O	O	O
REQUIRED REINFORCING STEEL CLEARANCE HAVE BEEN PROVIDED	O	O	O	O
COMPOSITE MEMBER HAS REQUIRED SIZE	O	O	O	O
INSPECTION OF COMPOSITE STRUCTURES DURING CONCRETE PLACEMENT	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION OF COMPOSITE STRUCTURES DURING CONCRETE PLACEMENT	TASK	DOC	TASK	DOC
CONTROL MATERIAL, IDENTIFICATION (MIX DESIGN, COMPRESSIVE STRENGTH, MAXIMUM LARGE AGGREGATE SIZE, MAXIMUM SLUMP)	O	D	O	D
LIMITS ON WATER ADDED AT THE TRUCK OR PUMP	O	D	O	D
PROPER PLACEMENT TECHNIQUES TO LIMIT SEGREGATION	O	O	O	O
INSPECTION OF COMPOSITE STRUCTURES AFTER CONCRETE PLACEMENT	QC	QA	REFERENCED STANDARD	IBC REFERENCE
INSPECTION OF COMPOSITE STRUCTURES AFTER CONCRETE PLACEMENT	TASK	DOC	TASK	DOC
ACHIEVEMENT OF MINIMUM SPECIFIED COMPOSITE COMPRESSIVE STRENGTH AT SPECIFIED AGE	-	D	-	D

SPECIAL INSPECTION OF CONCRETE CONSTRUCTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
VERIFICATION AND INSPECTION				
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS AND PLACEMENT		X	ACI 318 CH 20.25.2, 25.3, 26.4.1, 26.6.3	
2. REINFORCING BAR WELDING				
a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706		X	AWG D1.4	
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"		X	ACI 318.26.6.4	
c. INSPECT ALL OTHER WELDS	X	-		
3. INSPECT ANCHORS CAST IN CONCRETE		X	ACI 318.17.8.2	
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS <sup>1</sup>				
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X	-	ACI 318.17.8.2.4	
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4		X	ACI 318.17.8.2	
5. VERIFY USE OF REQUIRED DESIGN MIX		X	ACI 318 CH 19.26.4.3, 26.4.4	1904.1, 1904.2
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C 1708, ASTM C 311	
7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318.26.5	
8. VERIFY MAINTENANCE OF SPECIFIED DURING TEMPERATURE AND TECHNIQUES		X	ACI 318.26.5.26.5.5	
9. INSPECT PRESTRESSED CONCRETE FOR:				
a. APPLICATION OF PRESTRESSING FORCES	X	-	ACI 318.26.10	
b. GROUTING OF BONDED PRESTRESSING TENDONS	X	-	ACI 318.26.10	
10. INSPECT RESECTION OF PRECAST CONCRETE MEMBERS		X	ACI 318.26.8	
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		X	ACI 318.28.1.2	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X	ACI 318.28.11.2 <sup>2</sup>	

<sup>1</sup> WHERE APPLICABLE, SEE ALSO IBC SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.4.3 IN ACI 318. ON OTHER QUALIFICATION PROCEDURES, WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED.  
<sup>2</sup> SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL, AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK.

NON-STRUCTURAL COMPONENTS SEISMIC REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
DESIGNATED SEISMIC SYSTEM				
a. VERIFY THE LABEL, ANCHORAGE AND MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIANCE	X		ASC 7 SECTION 132	1705.12.4
2. ARCHITECTURAL COMPONENTS				
a. ERECTION AND FASTENING OF EXTERIOR CLADDING <sup>1,2</sup>	X	-		1705.12.5
b. ERECTION AND FASTENING OF INTERIOR <sup>1</sup> AND EXTERIOR NON-BEARING WALLS <sup>1,2</sup>	X	-		1705.12.5
c. ERECTION AND FASTENING OF INTERIOR AND EXTERIOR VENEER <sup>1,2</sup>	X	-		1705.12.5
d. ANCHORAGE OF ACCESS FLOORS	X	-		1705.12.5.1
3. PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS				
a. ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS	X	-		1705.12.6
b. ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT	X	-		1705.12.6
c. INSTALLATION AND ANCHORAGE OF PIPING SYSTEM DESIGNED TO CARRY HAZARDOUS MATERIALS AND THERE ASSOCIATED MECHANICAL UNITS	X	-		1705.12.6
d. INSTALLATION AND ANCHORAGE OF OUTWORK DESIGNED TO CARRY HAZARDOUS MATERIALS	X	-		1705.12.6
e. INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEM INVERSE THE MINIMAL CLEARANCE BETWEEN THE EQUIPMENT SUPPORT FRAME AND RESTRAINT IS 1/4 INCH OR LESS	X	-		1705.12.6
4. STORAGE RACK				
a. ANCHORAGE OF STORAGE RACKS 8 FEET OR GREATER IN HEIGHT	X	-		1705.12.7

<sup>1</sup> SPECIAL INSPECTION IS NOT REQUIRED FOR EXTERIOR CLADDING, INTERIOR AND EXTERIOR NON-BEARING WALLS AND INTERIOR AND EXTERIOR VENEER 3 FEET OR LESS IN HEIGHT ABOVE GRADE (ON A WALKING SURFACE).  
<sup>2</sup> SPECIAL INSPECTION IS NOT REQUIRED FOR EXTERIOR CLADDING, INTERIOR AND EXTERIOR NON-BEARING WALLS 5 PSF OR LESS. SPECIAL INSPECTION IS NOT REQUIRED FOR INTERIOR NON-BEARING WALLS WEIGHING 15 PSF OR LESS.

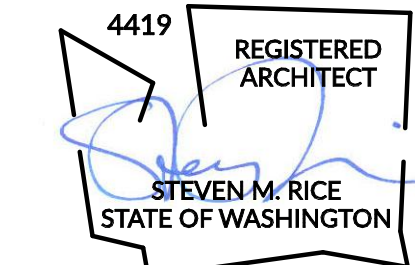
## TESTS

### CONCRETE

- VERIFICATION OF SPECIFIED CONCRETE COMPRESSIVE STRENGTH<sup>1</sup>, IN ACCORDANCE WITH ACI 318-14 SECTION 26.12
- VERIFICATION OF SPECIFIED AIR CONTENT, SLUMP, AND TEMPERATURE IN ACCORDANCE WITH ACI 318-14 SECTION 26.12 AT TIMES HIGH-CONCRETE IS SAMPLED
- VERIFICATION OF SPECIFIED SHOTCRETE COMPRESSIVE STRENGTH<sup>1</sup>, IN ACCORDANCE WITH ACI 1908.10 AT LEAST ONCE PER SHIFT, BUT NOT LESS THAN 30-CURR VARIOS OF SHOTCRETE

<sup>1</sup> WHERE APPLICABLE, SEE ALSO IBC SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.4.3 IN ACI 318. ON OTHER QUALIFICATION PROCEDURES, WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED.  
<sup>2</sup> SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL, AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK.

Permit Number: 19-05911



**CKSD/KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

PROJECT #	2018048.03
PERMIT SET	
ISSUE DATE	DECEMBER 24, 2019
REVISION SCHEDULE	

ACCESSIBILITY DETAILS

**407  
ELEVATORS**

**407.1 GENERAL.** ELEVATORS SHALL COMPLY WITH SECTION 407 AND ASME A17.1/CSA B44 LISTED IN SECTION 105.2.5. ELEVATORS SHALL BE PASSENGER ELEVATORS AS CLASSIFIED BY ASME A17.1/CSA B44. ELEVATOR OPERATION SHALL BE AUTOMATIC.

**407.2.1.1 HEIGHT.** CALL BUTTONS AND KEYPADS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN SECTION 308, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART.

**EXCEPTION:** EXISTING CALL BUTTONS AND EXISTING KEYPADS SHALL BE PERMITTED TO BE LOCATED 54 INCHES (1370 MM) MAXIMUM ABOVE THE FLOOR, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART.

**407.2.1.2 SIZE.** CALL BUTTONS SHALL BE 3/4 INCH (19MM) MINIMUM IN THE SMALLEST DIMENSION.

**EXCEPTION:** EXISTING ELEVATOR CALL BUTTONS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 407.2.1.2.

\*MINIMUM DIMENSIONS FOR THE BUTTONS ENSURE THAT THE BUTTONS ARE SUITABLE FOR PEOPLE WHO HAVE LIMITED USE OF THEIR HANDS (SEE ALSO SECTION 407.2.1.6.)

**407.2.2.2 VISIBLE SIGNALS.** VISIBLE SIGNAL FIXTURES SHALL BE CENTERED AT 72 INCHES (1830 MM) MINIMUM ABOVE THE FLOOR. THE VISIBLE SIGNAL ELEMENTS SHALL BE 2 1/2 INCHES (64 MM) MINIMUM BETWEEN THE UPPERMOST AND LOWEST EDGES OF THE ILLUMINATED SHAPE MEASURED VERTICALLY. SIGNALS SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTON.

**EXCEPTIONS:**  
1. DESTINATION-ORIENTED ELEVATORS SHALL BE PERMITTED TO HAVE SIGNALS VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HOISTWAY ENTRANCE.  
2. EXISTING ELEVATORS SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 407.2.2.2.

**407.2.1.3 AUDIBLE SIGNALS.** AUDIBLE SIGNALS SHALL SOUND ONCE FOR THE UP DIRECTION AND TWICE FOR THE DOWN DIRECTION, OR SHALL HAVE VERBAL ANNUNCIATORS THAT INDICATE THE DIRECTION OF THE ELEVATOR CAR TRAVEL. AUDIBLE SIGNALS SHALL HAVE A FREQUENCY OF 1500 HZ MAXIMUM. VERBAL ANNUNCIATORS SHALL HAVE A FREQUENCY OF 300 HZ MINIMUM.

**407.2.3.1 FLOOR DESIGNATION.** FLOOR DESIGNATIONS SHALL BE PROVIDED IN RAISED CHARACTERS AND BRAILLE. COMPLYING WITH SECTIONS 703.3 AND 703.4. RAISED CHARACTERS SHALL BE 2 INCHES (51 MM) MINIMUM IN HEIGHT. FLOOR DESIGNATIONS SHALL BE LOCATED ON BOTH JAMBS OF ELEVATOR HOIST-WAY ENTRANCES. A RAISED STAR SHALL BE PROVIDED ON BOTH JAMBS AT THE MAIN ENTRY LEVEL.

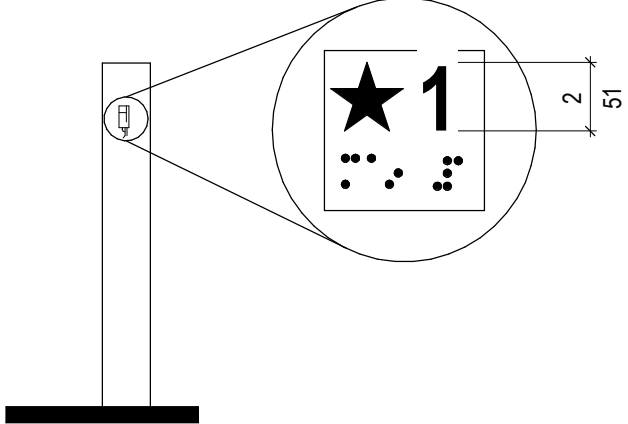
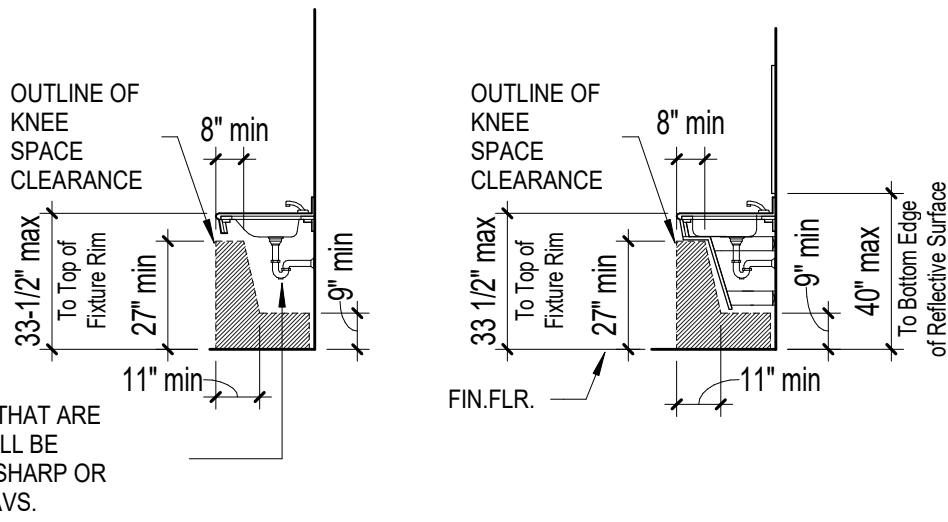
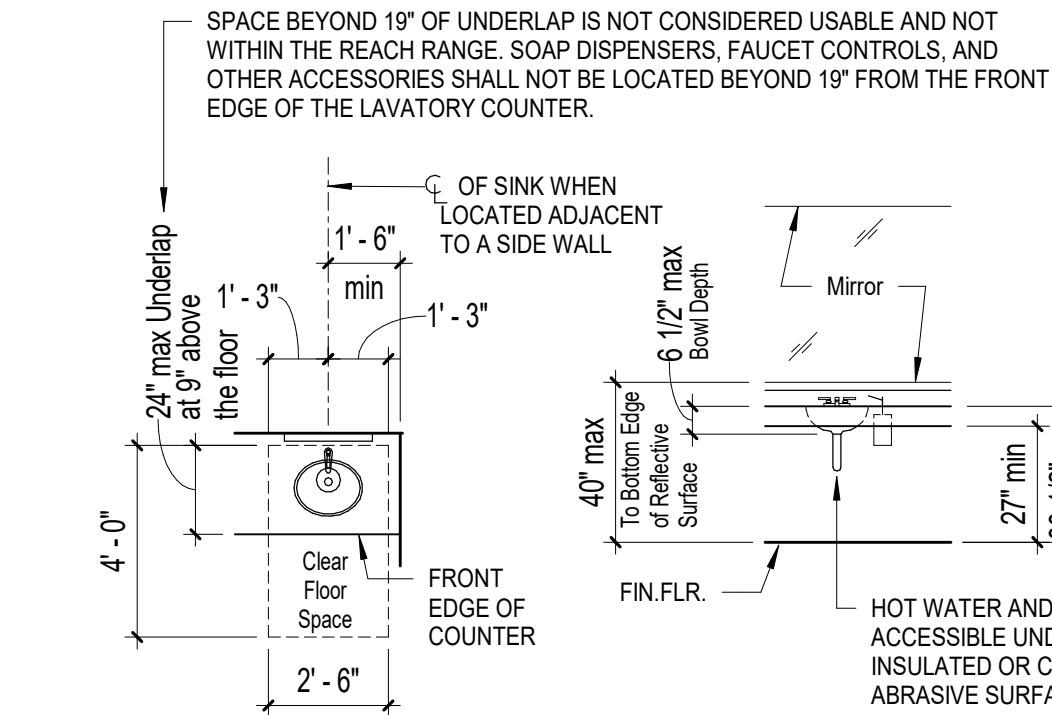
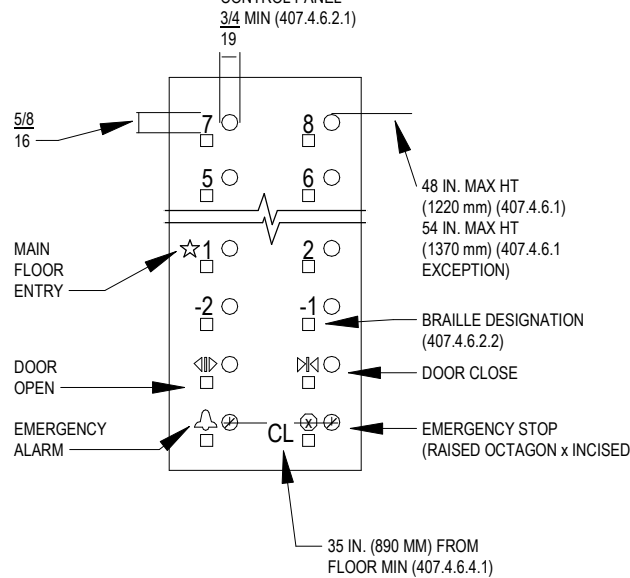


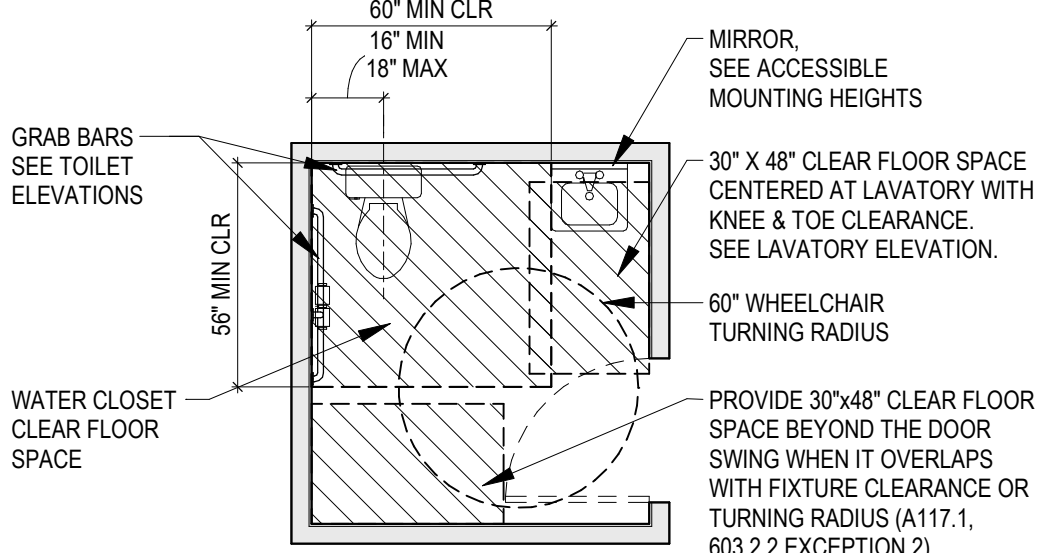
FIGURE 407.2.3.1  
FLOOR DESIGNATION

**407.4.6 ELEVATOR CAR CONTROLS.** WHERE PROVIDED, ELEVATOR CAR CONTROLS SHALL COMPLY WITH SECTIONS 407.4.6 AND 309.

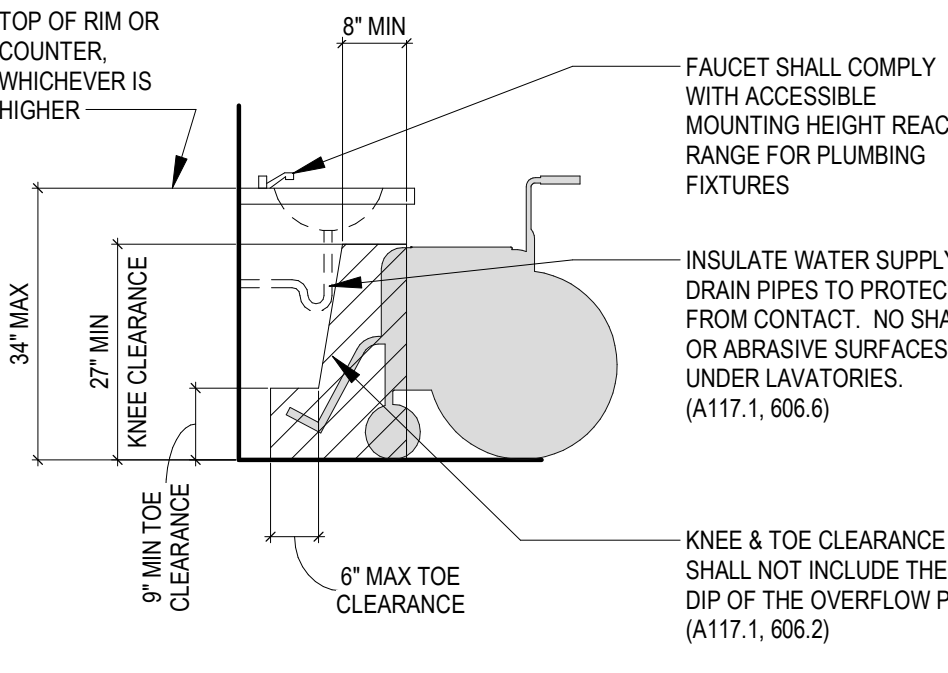


**8 ACCESS VANITY**

1/4" = 1'-0"

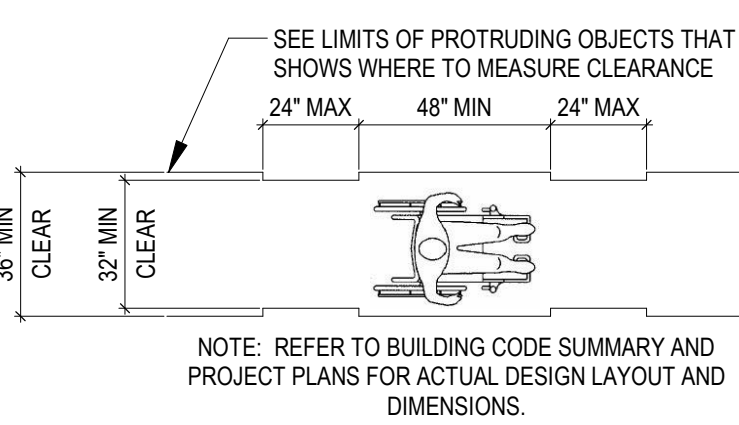
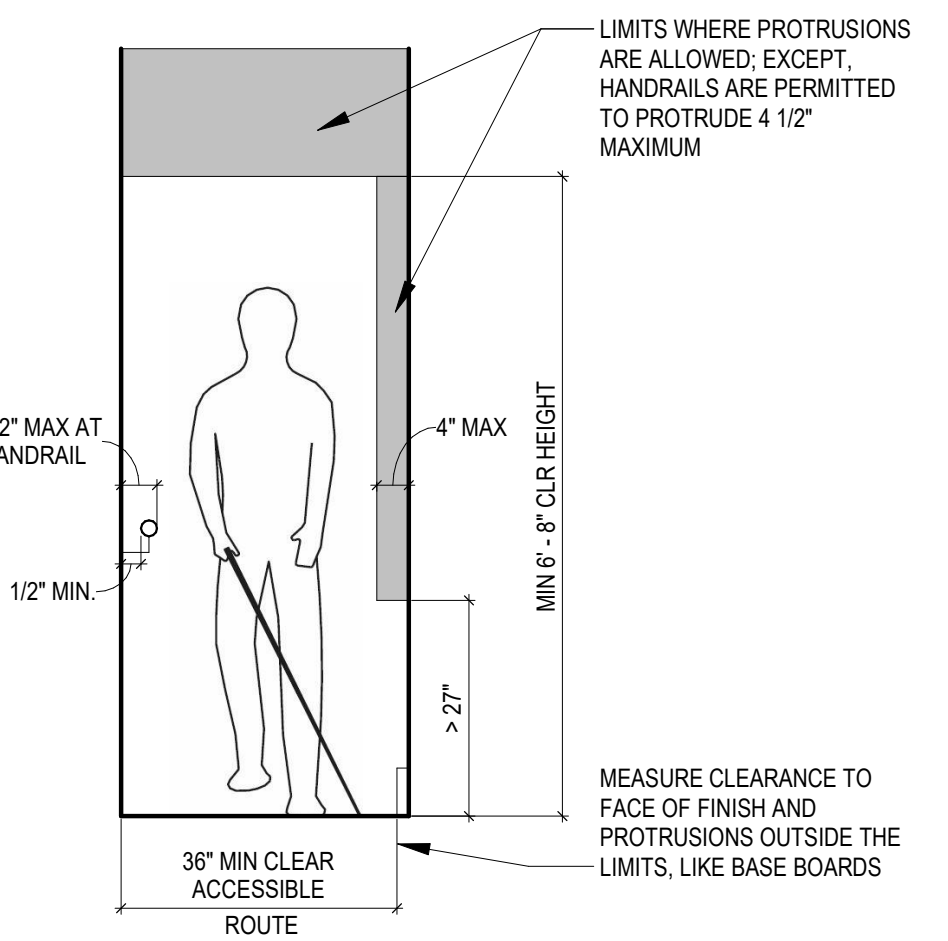


**NOTES:**  
1. THIS PLAN IS PROVIDED TO SHOW MINIMUM REQUIRED ACCESSIBILITY CLEARANCES. REFER TO PROJECT FLOOR PLANS FOR ACTUAL LAYOUT.  
2. CLEARANCE AROUND WATER CLOSET IS PERMITTED TO OVERLAP WITH THE WATER CLOSET. GRAB BARS, DISPENSERS, RECEPTACLES, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE AT OTHER FIXTURES AND THE TURNING RADIUS. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE WITHIN THE REQUIRED WATER CLOSET CLEARANCE. (A117.1, 604.3.3)  
3. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED CONTROLS SHALL BE MOUNTED ON THE OPEN SIDE. SEE WATER CLOSET ELEVATION.  
4. COAT HOOKS PROVIDED WITHIN TOILET ROOMS SHALL BE LOCATED PER THE ACCESSIBLE MOUNTING HEIGHT REACH RANGES. (A117.1, 603.4)  
5. SHELVES PROVIDED WITHIN TOILET ROOMS SHALL BE 40" - 48" AFF.  
6. DIAPER CHANGING TABLES SHALL BE LOCATED PER THE ACCESSIBLE MOUNTING HEIGHT REACH RANGES, WITH WORK SURFACE AT 34" MAX AFF. (A117.1, 603.5).

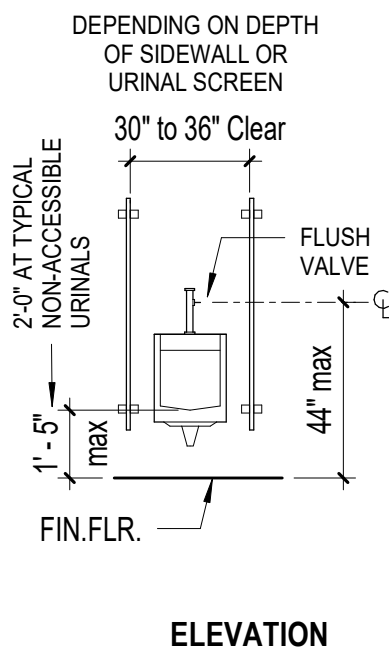
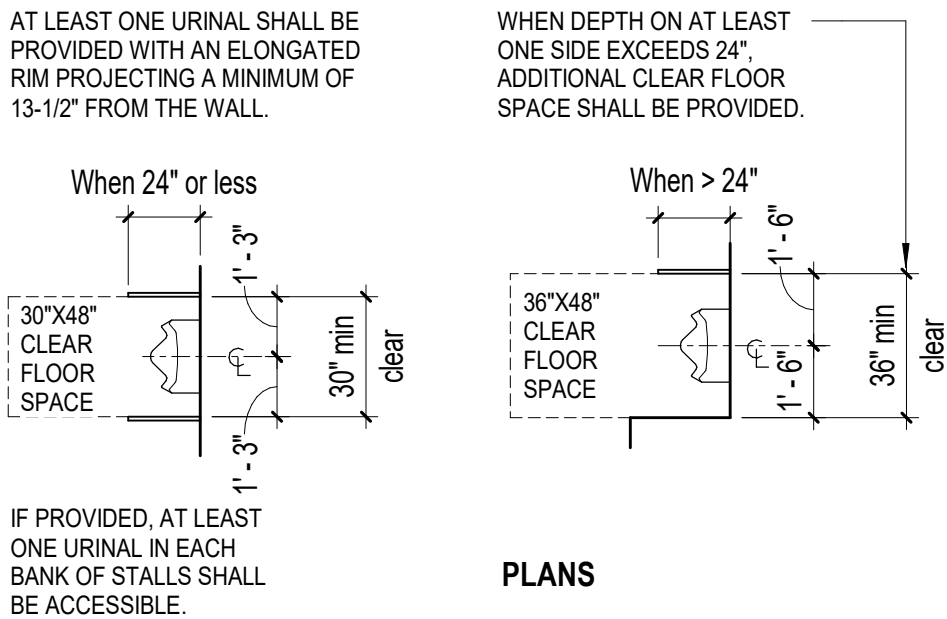


**19 ACCESSIBLE ELEVATORS**

1/2" = 1'-0"

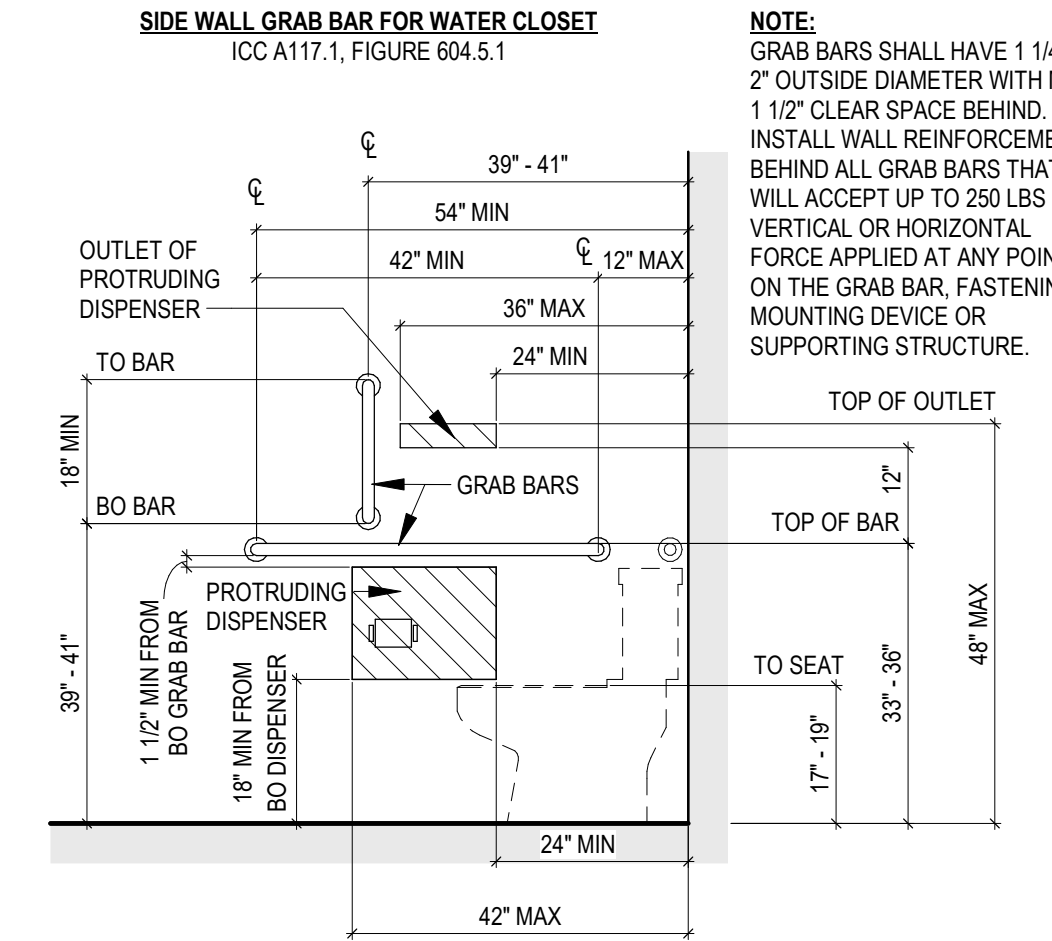


**NOTES PER A117.1, 402 & 403:**  
1. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS:  
a. WALKING SURFACES  
b. DOORS AND DOORWAYS (A117.1, 404)  
c. RAMPS (A117.1, 405)  
d. CURB RAMPS (A117.1, 406)  
e. ELEVATOR (A117.1, 407)  
2. MAXIMUM RUNNING SLOPE SHALL BE 1:20.  
3. MAXIMUM CROSS SLOPE SHALL BE 1:48.  
4. CHANGES IN LEVEL GREATER THAN 1/4" SHALL BE BEVELED WITH MAX 1:2 SLOPE.  
5. CHANGES IN LEVEL GREATER THAN 1/2" SHALL FOLLOW REQUIREMENTS FOR A RAMP PER A117.1, 405.  
6. SEE DETAIL FOR LIMITS OF PROTRUDING OBJECTS.



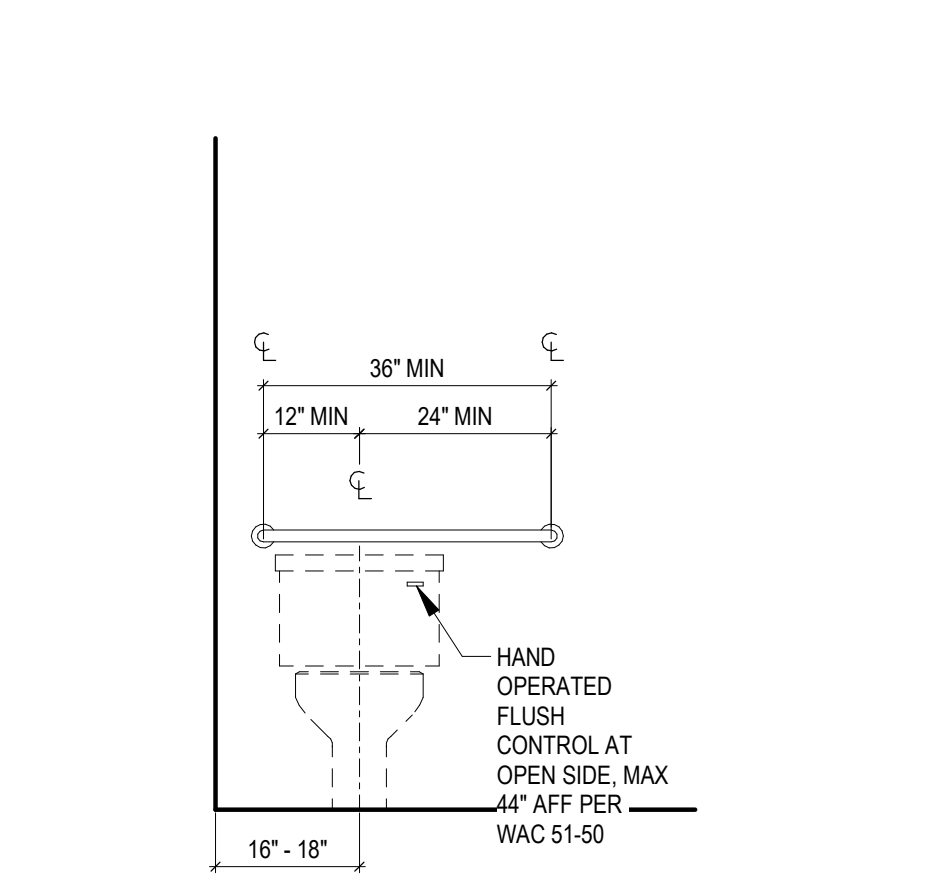
**7 ACCESSIBLE TOILET PLAN**

1/4" = 1'-0"



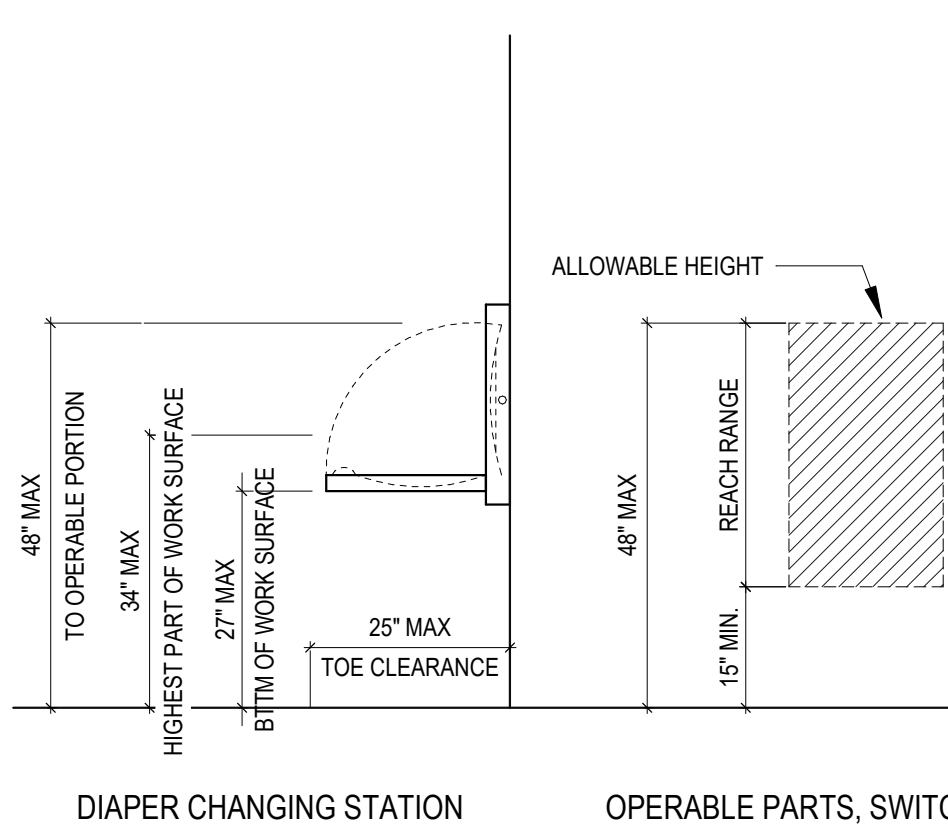
**3 ACCESSIBLE LAVATORY CLEARANCES**

1/2" = 1'-0"



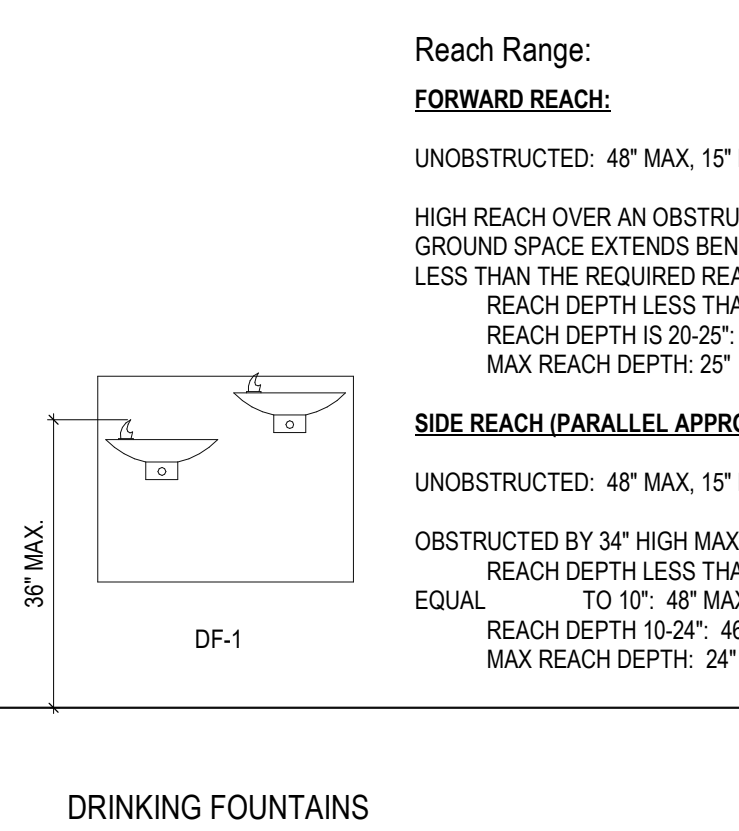
**16 LIMITS OF PROTRUDING OBJECTS**

1/2" = 1'-0"



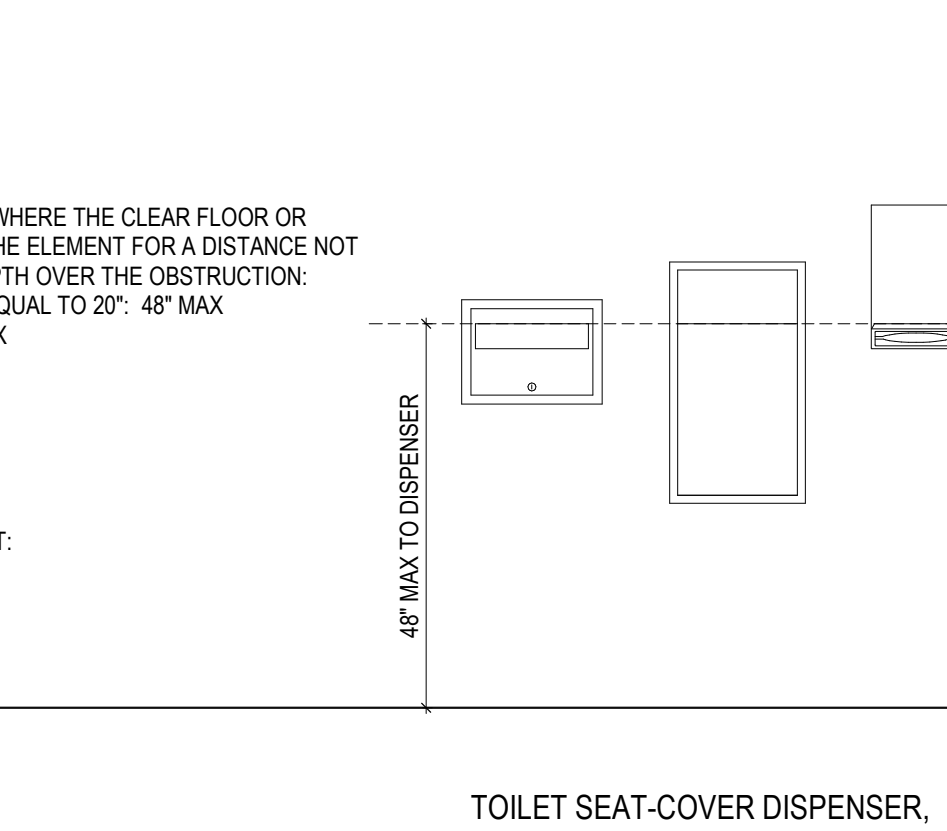
**14 ACCESSIBLE ROUTE OF TRAVEL**

1/4" = 1'-0"



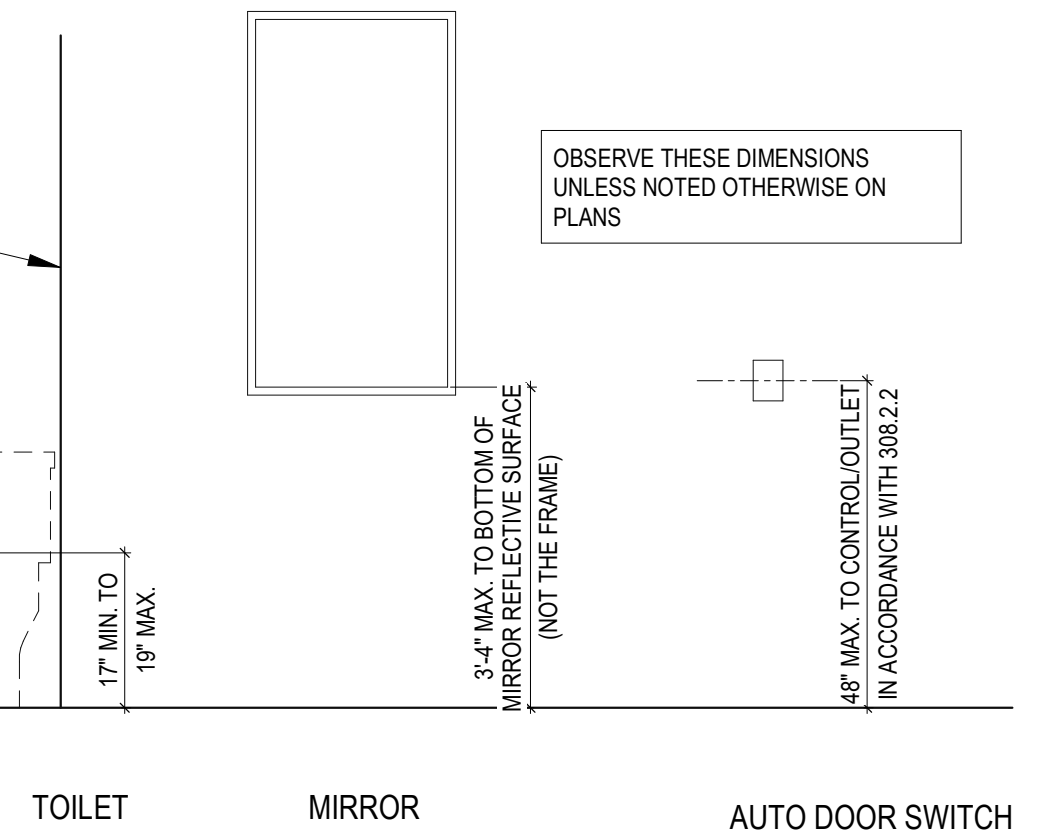
**10 ACCESS URINAL**

1/4" = 1'-0"



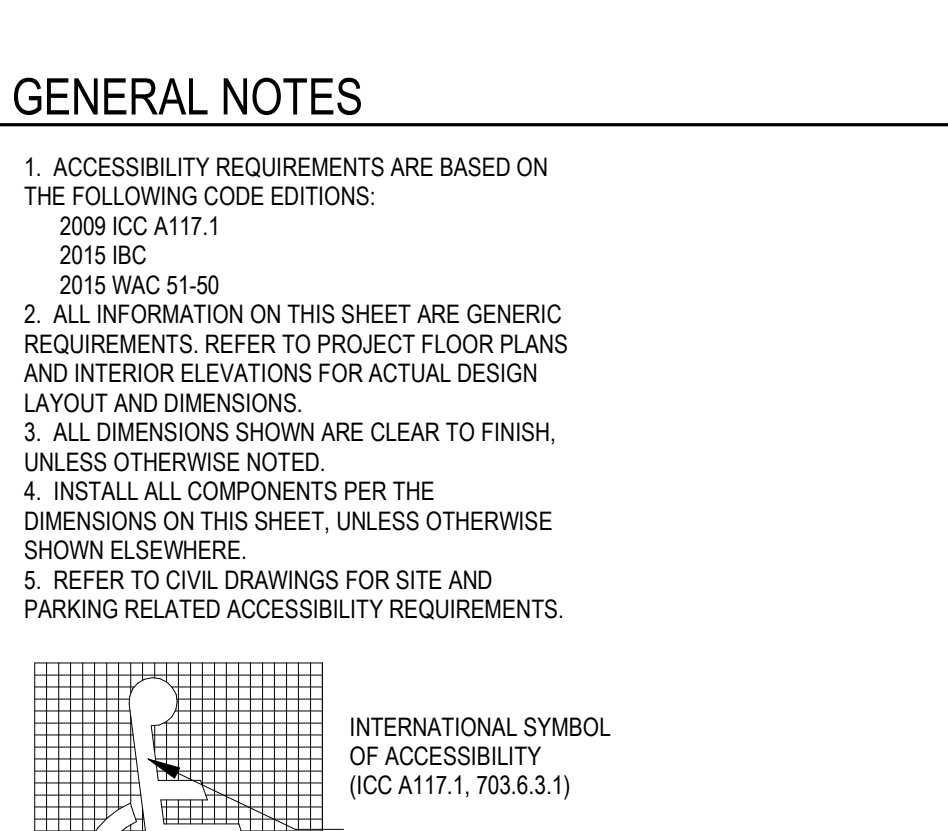
**6 ACCESSIBLE TOILET SIDE WALL**

1/2" = 1'-0"



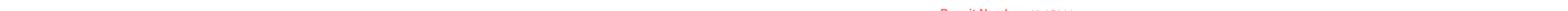
**2 ACCESSIBLE TOILET FRONT ELEVATION**

1/2" = 1'-0"



**17 ACCESSIBILITY MOUNTING HEIGHTS**

1/2" = 1'-0"



**1 ACCESSIBILITY SYMBOL**

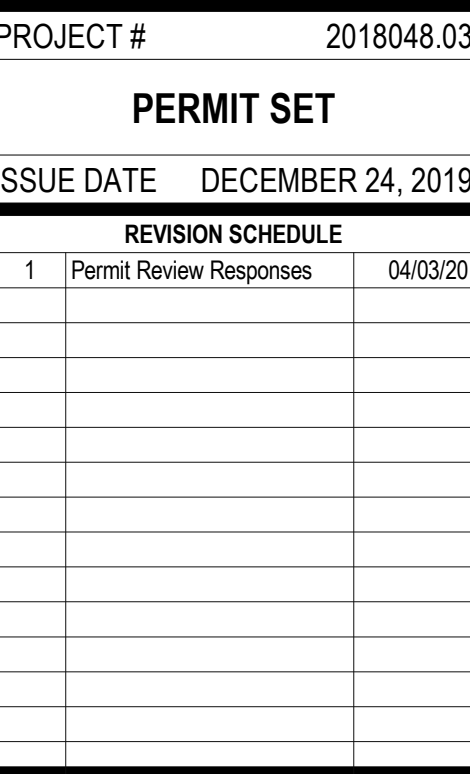
1/4" = 1'-0"







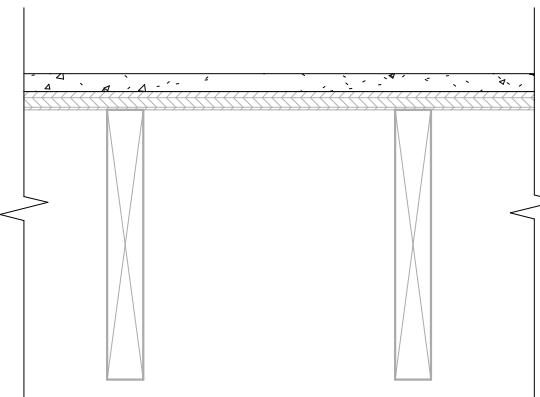
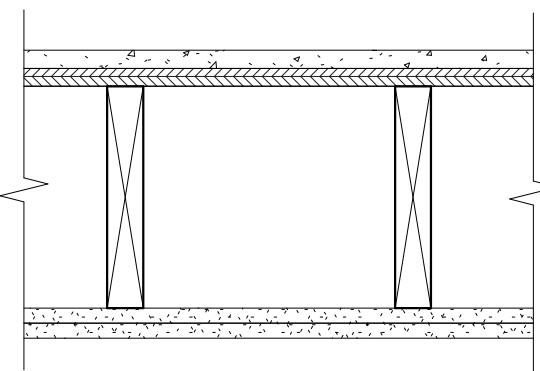
**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383



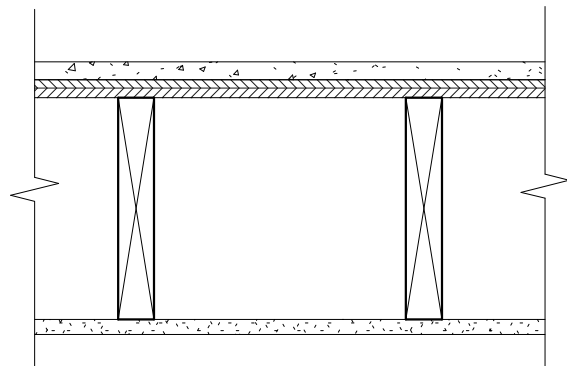
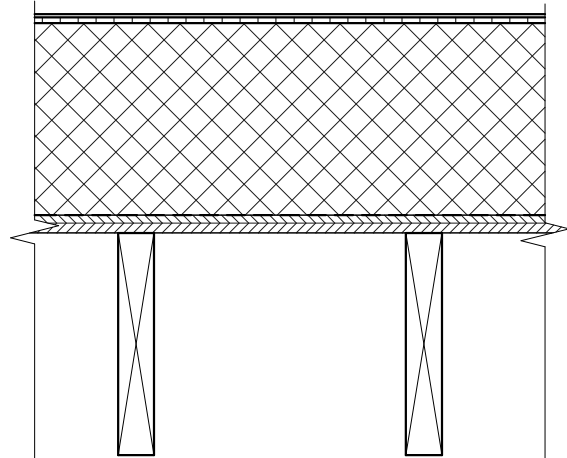
## LIFE SAFETY PLANS - LEVEL 1 AND LEVEL 2

SHEET #

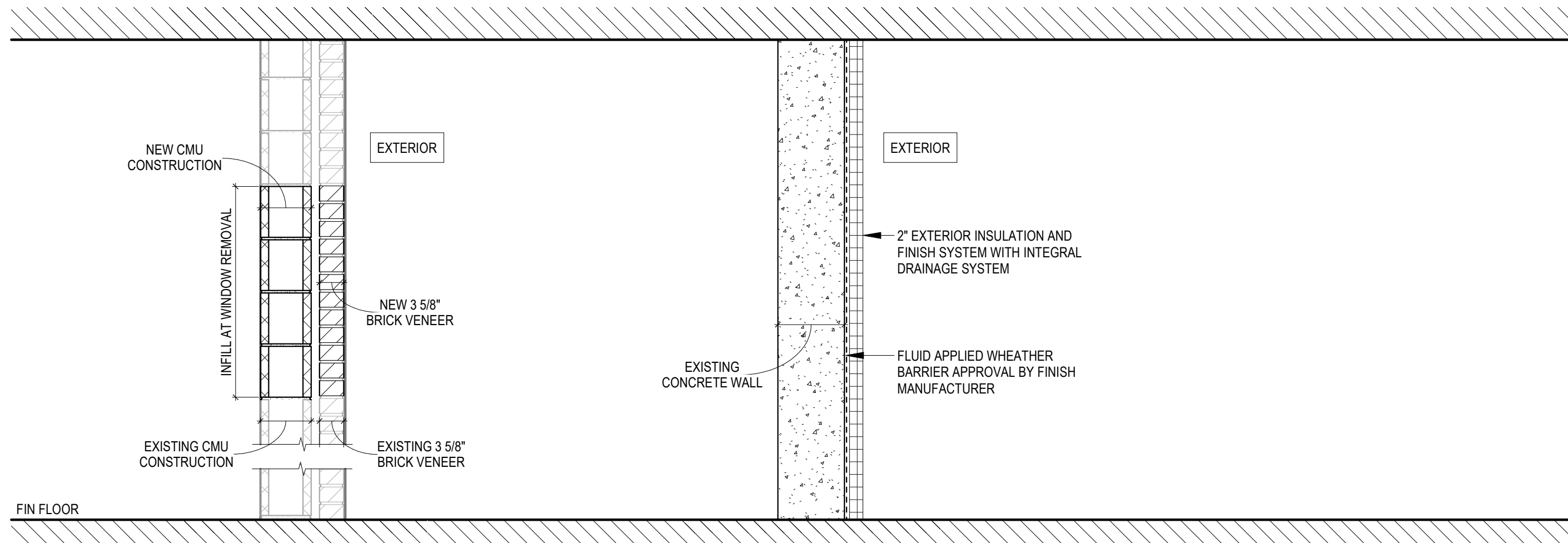
## A01.02

MARK	DIAGRAM	CONSTRUCTION
F1		<ul style="list-style-type: none"> <li>• 1 LAYER 3/4" GYPCRETE</li> <li>• EXISTING PLYWOOD SHEATHING, UNO</li> <li>• EXISTING FRAMING, UNO</li> </ul>
F2		<p>GA-FC-S406</p> <ul style="list-style-type: none"> <li>• 1 LAYER 3/4" GYPCRETE</li> <li>• PLYWOOD SHEATHING</li> <li>• FRAMING</li> <li>• 2 LAYERS 5/8 TYPE-X GWB</li> </ul> <p>1-HOUR FIRE RATED</p>

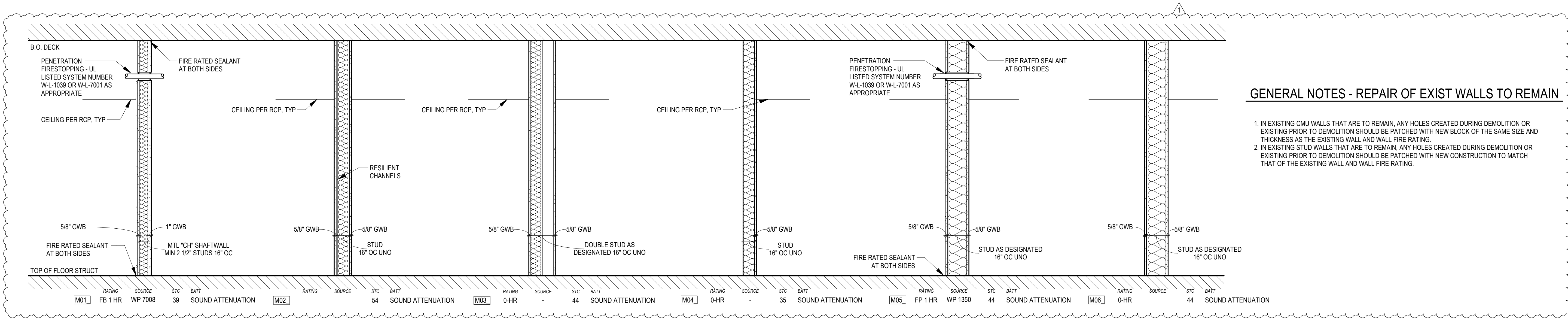
NOTE: ALL FLOOR FRAMING IS PER STRUCTURAL ENGINEER. FLOOR SHOWN IS TYPICAL UNO. SEE STRUCTURAL DRAWINGS FOR DETAILED INFORMATION INCLUDING LOCATIONS OF FRAMING VARIATIONS, JOIST SPACING, AND CONSTRUCTION. CEILING FINISH AS NOTED ON REFLECTED CEILING PLAN AND FINISH SCHEDULE.

MARK	DIAGRAM	CONSTRUCTION
F3		<ul style="list-style-type: none"> <li>• 1 LAYER 3/4" GYPCRETE</li> <li>• PLYWOOD SHEATHING</li> <li>• FRAMING</li> <li>• LAYERS 5/8 TYPE-X GWB</li> </ul>
R1		<ul style="list-style-type: none"> <li>• SBS ROOFING</li> <li>• COVER BOARD AS REQ'D BY MANUFACTURER</li> <li>• R-38 RIGID INSULATION</li> <li>• VAPOR BARRIER</li> <li>• EXISTING SHEATHING &amp; FRAMING</li> </ul> <p><b>NOTE:</b> REPAIR SUBSTRATE AS REQUIRED AT DAMAGED AREAS</p>

### 3 FLOOR & ROOF ASSEMBLIES

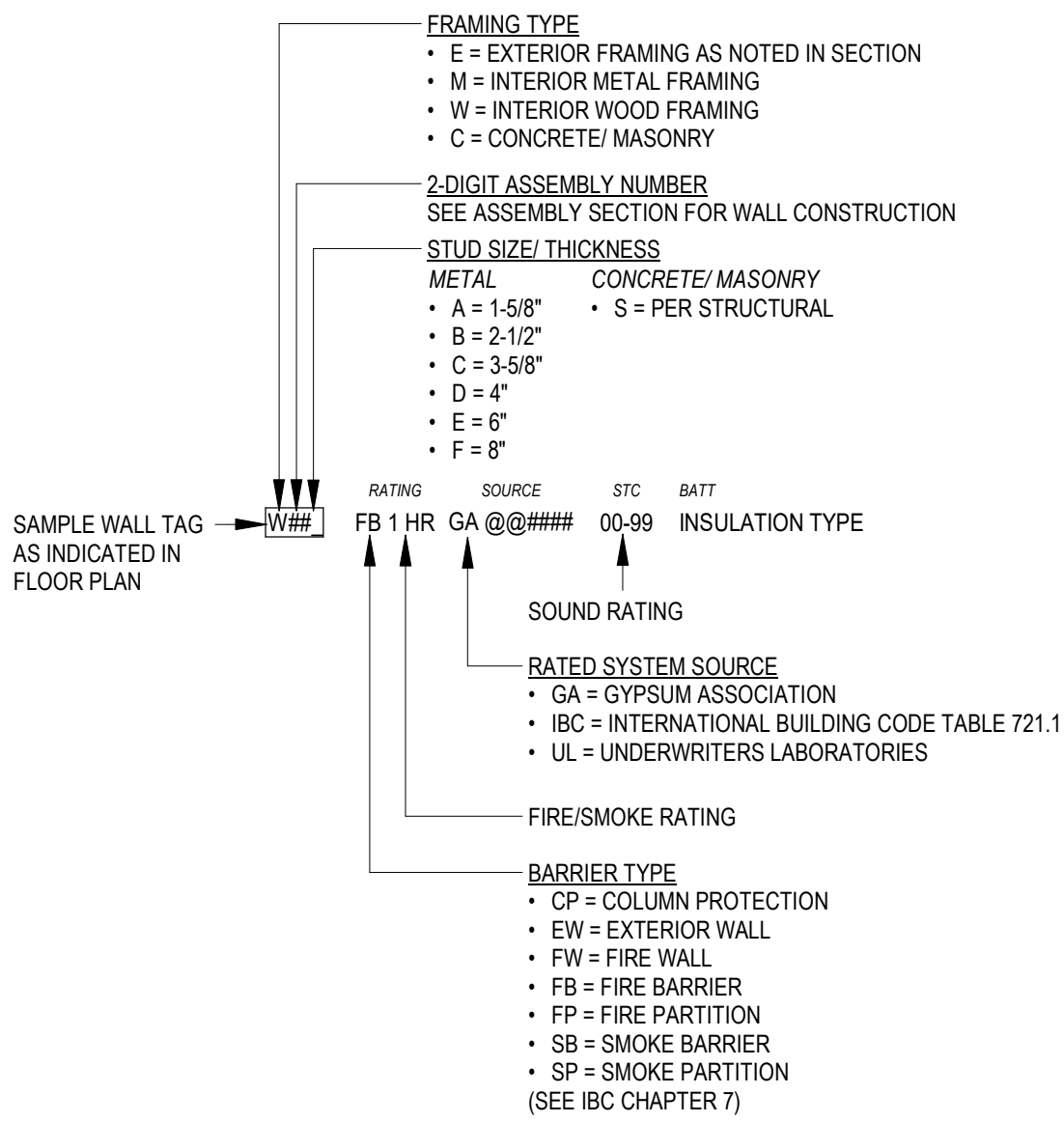


## 2 EXTERIOR WALL ASSEMBLIES



## 1 INTERIOR WALL ASSEMBLIES

## WALL ASSEMBLY LEGEND



CONTRACTOR SHALL TERMINATE FIRE RATED ASSEMBLIES AS DESCRIBED BELOW:

**EXTERIOR WALLS PER IBC 705**

1. FIRE SEPARATION >10 FT: RATED FOR FIRE EXPOSURE FROM INSIDE
2. FIRE SEPARATION <10 FT: RATED FOR FIRE EXPOSURE FROM BOTH SIDES

## FIRE BARRIERS PER IBC 707

HORIZONTAL:

VOIDS AT THE INTERSECTION OF A FIRE BARRIER AND A NON-FIRE RATED EXTERIOR WALL ASSEMBLY SHALL BE FILLED WITH A MATERIAL OR SYSTEM APPROVED BY THE JURISDICTION. TESTED ASSEMBLY NOT REQUIRED AT THIS LOCATION.

VERTICAL OPTIONS:

1. FROM TOP OF FOUNDATION OR HORIZONTAL ASSEMBLY BELOW; TERMINATE AT UNDERSIDE OF STRUCTURAL DECK ABOVE AND SECURELY ATTACHED THERETO.
2. FIRE BARRIERS AROUND SHAFT, EXIT STAIRWAY AND RAMP ENCLOSURES THAT DO NOT EXTEND TO UNDERSIDE OF ROOF DECK SHALL BE ENCLOSED AT THE TOP WITH CONSTRUCTION AT MINIMUM FIRE RATING AS THE TOPMOST FLOOR PENETRATED BY THE SHAFT AND THE FIRE RATING OF THE SHAFT ENCLOSURE.

## HORIZONTAL ASSEMBLIES PER IBC 711

VERTICAL OPENINGS NOT ALLOWED EXCEPT WHEN CONSTRUCTED AS A SHAFT ENCLOSURE OR PROTECTED PENETRATIONS AND JOINTS PER IBC 712.

### FIREBLOCKING PER IBC 718.2

FIREBLOCKING MATERIALS (I.E. 2X LUMBER, 1/2" GYPSUM BOARD, SECURED BATT INSULATION AND OTHER MATERIALS LISTED IN IBC 718.2.1) SHALL BE INSTALLED IN COMBUSTIBLE CONCEALED SPACES TO FORM AN EFFECTIVE BARRIER BETWEEN FLOORS AND BETWEEN TOP STORY AND ROOF ATTICS. THE FOLLOWING ARE

### THE MINIMUM REQUIRED LOCATIONS

1. CONCEALED WALL SPACES
  - A. VERTICALLY AT THE CEILING AND FLOOR LEVELS
  - B. HORIZONTALLY AT 10 FT MAXIMUM INTERVALS
2. CONNECTIONS BETWEEN HORIZONTAL AND VERTICAL SPACES
3. CONCEALED SPACES AT THE TOP AND BOTTOM OF THE RUN OF STAIR STRINGERS
4. ANNULAR SPACE AROUND PENETRATING COMPONENTS IN CEILING AND FLOOR OPENINGS
5. CONCEALED SPACES OF EXTERIOR COMBUSTIBLE WALL COVERINGS AT MAXIMUM 20 FT INTERVALS IN EITHER DIRECTION AND MAXIMUM 100 SF BETWEEN FIREBLOCKING. (SEE IBC 718.2.6 FOR EXCEPTIONS)
6. CONCEALED SLEEPER SPACES AT MAXIMUM 100 SF

**DRAFTSTOPPING PER IBC 718.3 & 718.4**

DRAFTSTOPPING IS NOT REQUIRED IN BUILDINGS SPRINKLERED THROUGHOUT PER NFPA 13

### GENERAL NOTES - REPAIR OF EXIST WALLS TO REMAIN

1. IN EXISTING CMU WALLS THAT ARE TO REMAIN, ANY HOLES CREATED DURING DEMOLITION OR EXISTING PRIOR TO DEMOLITION SHOULD BE PATCHED WITH NEW BLOCK OF THE SAME SIZE AND THICKNESS AS THE EXISTING WALL AND WALL FIRE RATING.
2. IN EXISTING STUD WALLS THAT ARE TO REMAIN, ANY HOLES CREATED DURING DEMOLITION OR EXISTING PRIOR TO DEMOLITION SHOULD BE PATCHED WITH NEW CONSTRUCTION TO MATCH THAT OF THE EXISTING WALL AND WALL FIRE RATING.



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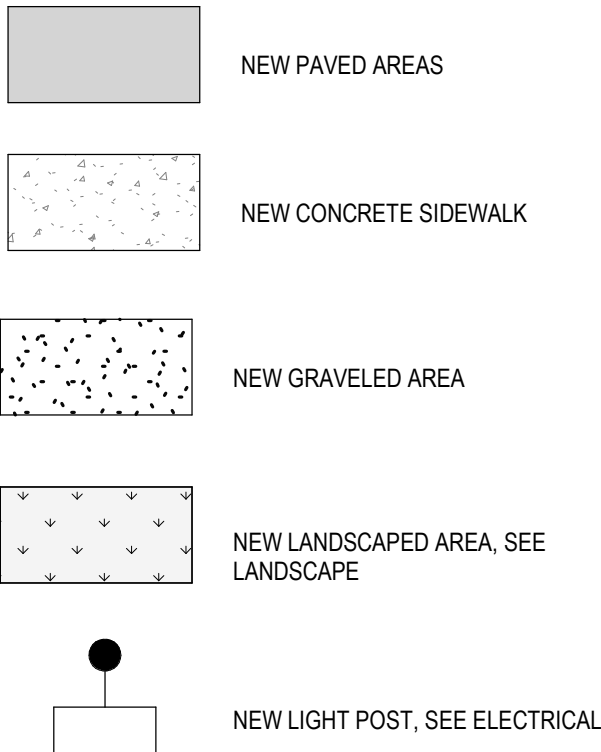
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## ASSEMBLY SCHEDULES



1. SEE CIVIL AND LANDSCAPE DRAWINGS FOR CLEAR SCOPE OF SITE WORK.
2. SEE CIVIL DRAWINGS FOR SITE GRADING, SITE IMPROVEMENTS, CONCRETE STEM WALLS AND DETAILS.
3. SEE CIVIL DRAWINGS FOR EXTENT OF PAVEMENT CUTTING AND PATCHING.
4. SEE CIVIL FOR PAVING DIMENSIONS AND DETAILS.
5. SEE LANDSCAPE DRAWINGS FOR PLANTING AND SPRINKLER INFORMATION.
6. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR CONNECTIONS TO EXISTING UTILITIES.
7. SEE ARCHITECTURAL DEMOLITION PLAN FOR ADDITIONAL SITE DEMOLITION INFORMATION.
8. SEE STRUCTURAL DRAWINGS FOR CONCRETE RETAINING WALL DETAILS.

KEY NOTES - SITE PLAN	
#	NOTE DESCRIPTION
1	LIBRARY BOOKDROP OFFCI
2	NEW CURB
4	EXISTING FIRE HYDRANT
5	Z RETAINING WALL WITH NEW CUSTOM MEMORIAL TILES
6	NEW STEEL GUARDRAIL
7	REPLACED FIRE HYDRANT
8	FIRE APPARATUS TURN AROUND
9	EXISTING ROCKERY TO REMAIN
10	EXTENTS OF PREVIOUS PARKING LANDSCAPING BED
11	WHEELSTOPS TYP
12	EXISTING DUMPSTER SCREEN WALL
14	RENOVATION TO EXISTING LANDSCAPE AREA - SEE LANDSCAPE
15	NEW EXTERIOR LIGHTING, SEE ELECT.
16	EXISTING EXTERIOR STAIRS
17	COVERED BICYCLE RACKS, 19 STALLS
18	GRAVELLED AREA
19	FUTURE CONCRETE PLAZA, WALK AND TIERED SEATING



LEGEND - SITE PLAN  
1/8" = 1'-0"

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[illegible]

## ARCHITECTURAL SITE PLAN

SHEET #

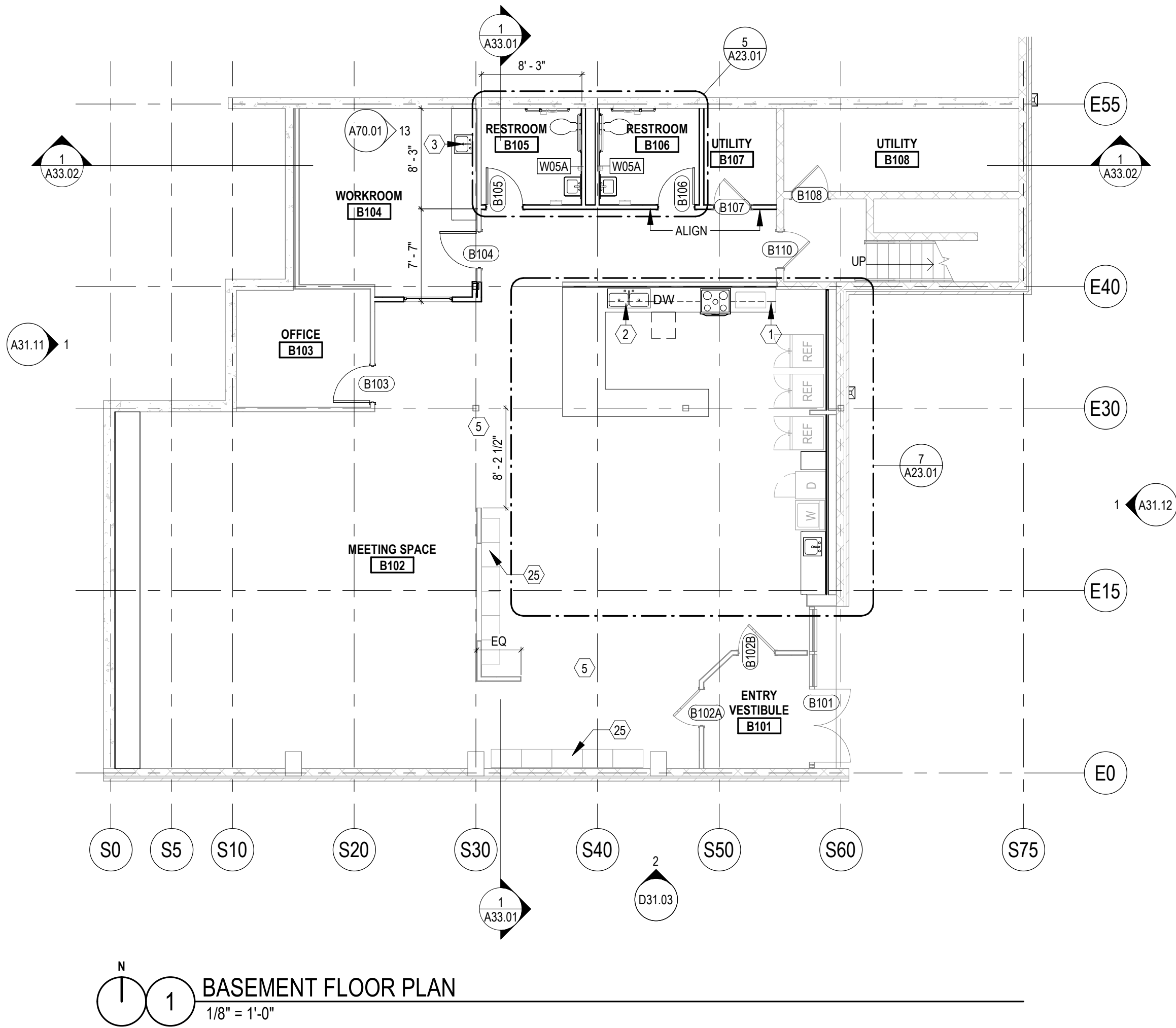
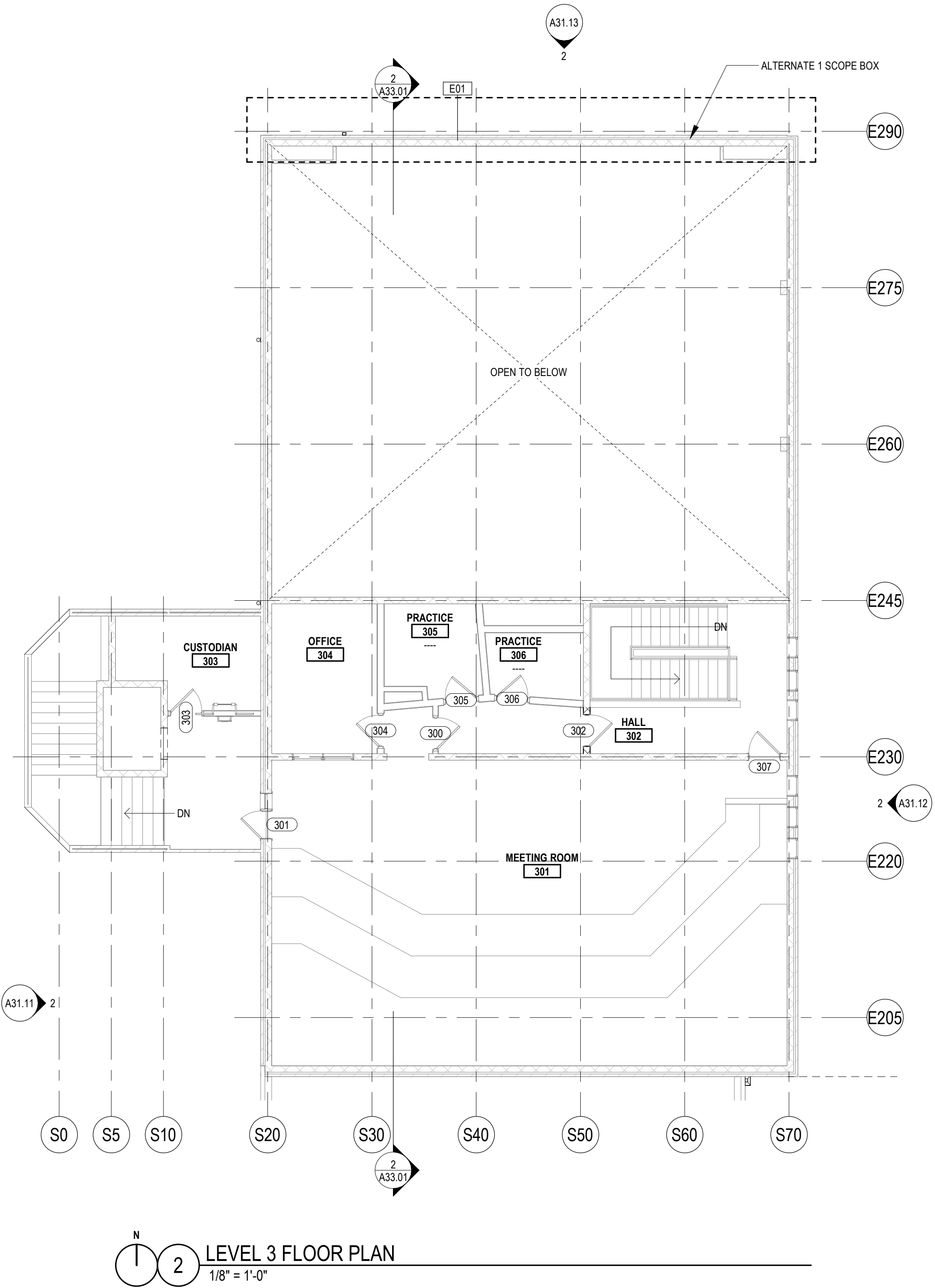
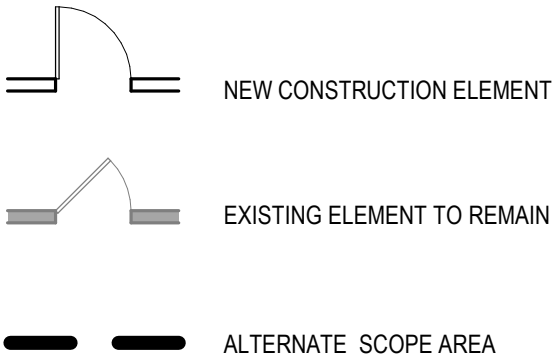
# A10.02

KEY NOTES - FLOOR PLAN	
#	NOTE DESCRIPTION
1	BASE AND WALL CABINETS
2	UNDERMOUNT DOUBLE COMPARTMENT SINK - PROVIDE HOT AND COLD WATER AND WASTE
3	UNDERMOUNT SINGLE COMPARTMENT SINK
4	PROVIDE ACCESSIBLE FIXTURES AND ACCESSORIES INCLUDING GRAB BARS, TOILET PAPER DISPENSER, PAPER TOWEL DISPENSER AND MIRROR
5	WALL OPENING WITH SOLID SURFACE JAMB AND HEAD
6	OPEN SHELVING ABOVE
7	CENTER SHEAR WALL ON GRID; SEE STRUCTURAL DRAWINGS FOR INFORMATION
8	PROVIDE NEW PLUMBING FIXTURES, TOILET PARTITIONS, AND ACCESSORIES; SEE ENLARGED PLANS AND ELEVATIONS.
9	SEE STRUCTURAL DRAWINGS FOR NEW BRACED FRAME LOCATION AND INFORMATION
10	PROVIDE ACCESSIBLE HANDRAIL, SEE DETAILS
11	LEVEL FLOOR IN PREVIOUS KITCHEN AREA
12	ALTERNATE SCOPE INCLUDES PAIN WALLS, REPLACE ACT TILES, CARPET, LIGHT FIXTURES AND DOOR LOCK SET, CEILING GRID TO REMAIN.
13	SWINGING ACCESS CONTROL GATE
14	ADD CAGE AT ROOF ACCESS LADDER AND EXTENTION LADDER HANDLE AT ROOF ACCESS DOOR
15	SELF CHECK-OUT STATIONS
16	
17	PUBLIC CATALOG COMPUTER
18	BUILT IN BENCH
19	SWINGING SECURITY GATE
22	RAISED STAGE WITH UPPER CHILDRENS PLAY PLATFORM ACCESSED VIA STAIRS
23	POWER AND DATA FLOOR BOXES, SEE ELECTRICAL
24	NEW DOWNSPOUT REROUTED FROM EXISTING ABOVE
25	OFOI STORAGE CUBBIES
26	INTERNAL BOOK DROP
27	NEW OPENING IN EXISTING WALL WITH NEW STEP UP
28	5/8" GWB APPLIED OVER EXISTING PLASTER WALL FINISH
29	WALL MOUNTED DRINKING FOUNTAINS, SEE A00.05 ACCESSIBILITY DETAILS FOR MOUNTING HEIGHT
30	NEW DOWNSPOUT THROUGH COVERED WALK

## GENERAL NOTES - FLOOR PLAN

- SEE FLOOR PLAN AND DOOR SCHEDULE FOR SIZE AND LOCATION OF NEW DOORS IN EXISTING WALLS.
- REMOVE, PATCH, LANDSCAPE, MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR EXISTING ITEMS NOT SPECIFICALLY SHOWN ON THIS DRAWING.
- CONTRACTOR TO COORDINATE TURNOVER OF ANY SALVAGEABLE ITEMS WITH OWNER PRIOR TO DEMOLITION.
- PATCH/REPAIR EXISTING FINISHES THAT ARE ADJACENT TO DEMO WORK.
- REMOVE AND TURN OVER ALL ARTWORK TO OWNER.
- CONTRACTOR TO MAINTAIN AND PROTECT IN PLACE ALL EXISTING FIRE LIFE SAFETY DEVICES.
- NOTIFY ARCHITECT OF ANY CONFLICTS WITH NEW WORK/FINISHES.
- CONTRACTOR TO MAINTAIN INTEGRITY AND CONTINUITY OF EXISTING FIRE RATED ASSEMBLIES.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- CONTRACTOR TO MAINTAIN AND PROTECT EXISTING FINISHES, FLOORING AND CEILINGS TO REMAIN.
- FIELD CONFIRM ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO CONSTRUCTION.
- DIMENSIONS SHOWN ARE TO GRID LINES, FACE OF DMU, OR FACE OF STUD. WHERE DIMENSIONING TO EXISTING WALL, THE DIMENSION IS TO FACE OF WALL UNLESS NOTED OTHERWISE. DIMENSION TO TOP OF OPENING TO BE MEASURED TO THE CENTERLINE OF THE OPENING IN FRAMED CONSTRUCTION AND ROUGH OPENING IN CMU.
- REFER TO STRUCTURAL DRAWINGS AND ASSEMBLIES FOR SHEAR WALL INFORMATION.
- ALL DOORS NOT DIMENSIONED ARE LOCATED AT 4' 11/2" TO AN INTERSECTING WALL OR CENTERED ON WALL.
- SEE FINISH INFORMATION SHEET A72.01 FOR ADDITIONAL FINISH INFORMATION.
- ALL ALTERNATE AREAS HAVE NO ARCHITECTURAL SCOPE IN BASE BID. SEE CONSULTANT SHEETS FOR BASE BID SCOPE IN THESE AREAS.

## LEGEND - FLOOR PLAN



**RICE***fergus***MILLER**  
ARCHITECTURE INTERIORS PLANNING VIZLAB

275 FIFTH STREET, SUITE 100  
BREMERTON, WA 98337  
360-377-8773  
RFMARCH.COM

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4419

REGISTERED  
ARCHITECT

STEVEN M. RICE  
STATE OF WASHINGTON

**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
 3700 NW ANDERSON HILL RD  
 SILVERDALE, WA 98383

[illegible]

FLOOR PLAN -  
BASEMENT AND  
LEVEL 3

SHEET #

# A21.11

## GENERAL NOTES - FLOOR PLAN

1. SEE FLOOR PLAN AND DOOR SCHEDULE FOR SIZE AND LOCATION OF NEW DOORS IN EXISTING WALLS.
2. SEE CIVIL, LANDSCAPE, MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR ADDITIONAL ITEMS NOT SPECIFICALLY SHOWN ON THIS DRAWING.
3. CONTRACTOR TO COORDINATE TURNOVER OF ANY SALVAGEABLE ITEMS WITH OWNER PRIOR TO DEMOLITION.
4. PATCH/REPAIR EXISTING FINISHES THAT ARE ADJACENT TO DEMO WORK.
5. REMOVE AND TURN OVER ALL ARTWORK TO OWNER.
6. CONTRACTOR TO MAINTAIN AND PROTECT IN PLACE ALL EXISTING FIRE LIFE SAFETY DEVICES. NOTIFY ARCHITECT OF ANY CONFLICTS WITH NEW WORK/ FINISHES.
7. CONTRACTOR TO MAINTAIN INTEGRITY AND CONTINUITY OF EXISTING FIRE RATED ASSEMBLIES.
8. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
9. CONTRACTOR TO MAINTAIN AND PROTECT EXISTING FINISHES, FLOORING AND CEILINGS TO REMAIN.
10. FIELD CONFIRM ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO CONSTRUCTION.
11. DIMENSIONS SHOWN ARE TO GRID LINES, FACE OF DMU, OR FACE OF STUD. WHERE DIMENSIONING TO EXISTING WALL THE DIMENSION IS TO FACE OF WALL UNLESS NOTED OTHERWISE. DIMENSIONS FROM OPENINGS ARE MEASURED TO THE CENTERLINE OF THE OPENING IN FRAMED CONSTRUCTION AND ROUGH OPENING IN CMU.
12. REFER TO STRUCTURAL DRAWINGS AND ASSEMBLIES FOR SHEAR WALL INFORMATION.
13. ALL DOORS NOT DIMENSIONED ARE LOCATED AT 1/2" TO AN INTERSECTING WALL OR CENTERED ON WALL.
14. SEE FINISH INFORMATION SHEET A72.01 FOR ADDITIONAL FINISH INFORMATION.
15. ALL ALTERNATE AREAS HAVE NO ARCHITECTURAL SCOPE IN BASE BID. SEE CONSULTANT SHEETS FOR BASE BID SCOPE IN THESE AREAS.

### LEGEND - FLOOR PLAN

- NEW CONSTRUCTION ELEMENT
- EXISTING ELEMENT TO REMAIN
- ALTERNATE SCOPE AREA

## KEY NOTES - FLOOR PLAN

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5	WALL OPENING WITH SOLID SURFACE JAMB AND HEAD
6	OPEN SHELVING ABOVE
7	CENTER SHEAR WALL ON GRID; SEE STRUCTURAL DRAWINGS FOR INFORMATION
8	PROVIDE NEW PLUMBING FIXTURES, TOILET PARTITIONS, AND ACCESSORIES. SEE ENLARGED PLANS AND ELEVATIONS.
9	SEE STRUCTURAL DRAWINGS FOR NEW BRACED FRAME LOCATION AND INFORMATION
10	PROVIDE ACCESSIBLE HANDRAIL, SEE DETAILS
11	LEVEL FLOOR IN PREVIOUS KITCHEN AREA
12	ALTERNATE PIPE INCLUDES PAINT WALLS, REPLACE ACT TILES, CARPET, LIGHT FIXTURES AND DOOR LOCK SET. CEILING GRID TO REMAIN.
13	SWINGING ACCESS CONTROL GATE
14	ADD CAGE AT ROOF ACCESS LADDER AND EXTENSION LADDER HANDLE AT ROOF ACCESS DOOR
15	SELF CHECK-OUT STATIONS
16	
17	PUBLIC CATALOG COMPUTER
18	BUILT IN BENCH
19	SWINGING SECURITY GATE
22	RAISED STAGE WITH UPPER CHILDRENS PLAY PLATFORM ACCESSED VIA STAIRS
23	POWER AND DATA FLOOR BOXES, SEE ELECTRICAL
24	NEW DOWNSPOUT REROUTED FROM EXISTING ABOVE
25	OFOI STORAGE CUBBIES
26	INTERNAL BOOK DROP
27	NEW OPENING IN EXISTING WALL WITH NEW STEP UP
28	5/8" GWB APPLIED OVER EXISTING PLASTER WALL FINISH
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30	NEW DOWNSPOUT THROUGH COVERED WALK

**CKSD/ KRL**  
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PROJECT # 2018048.03

## PERMIT SET

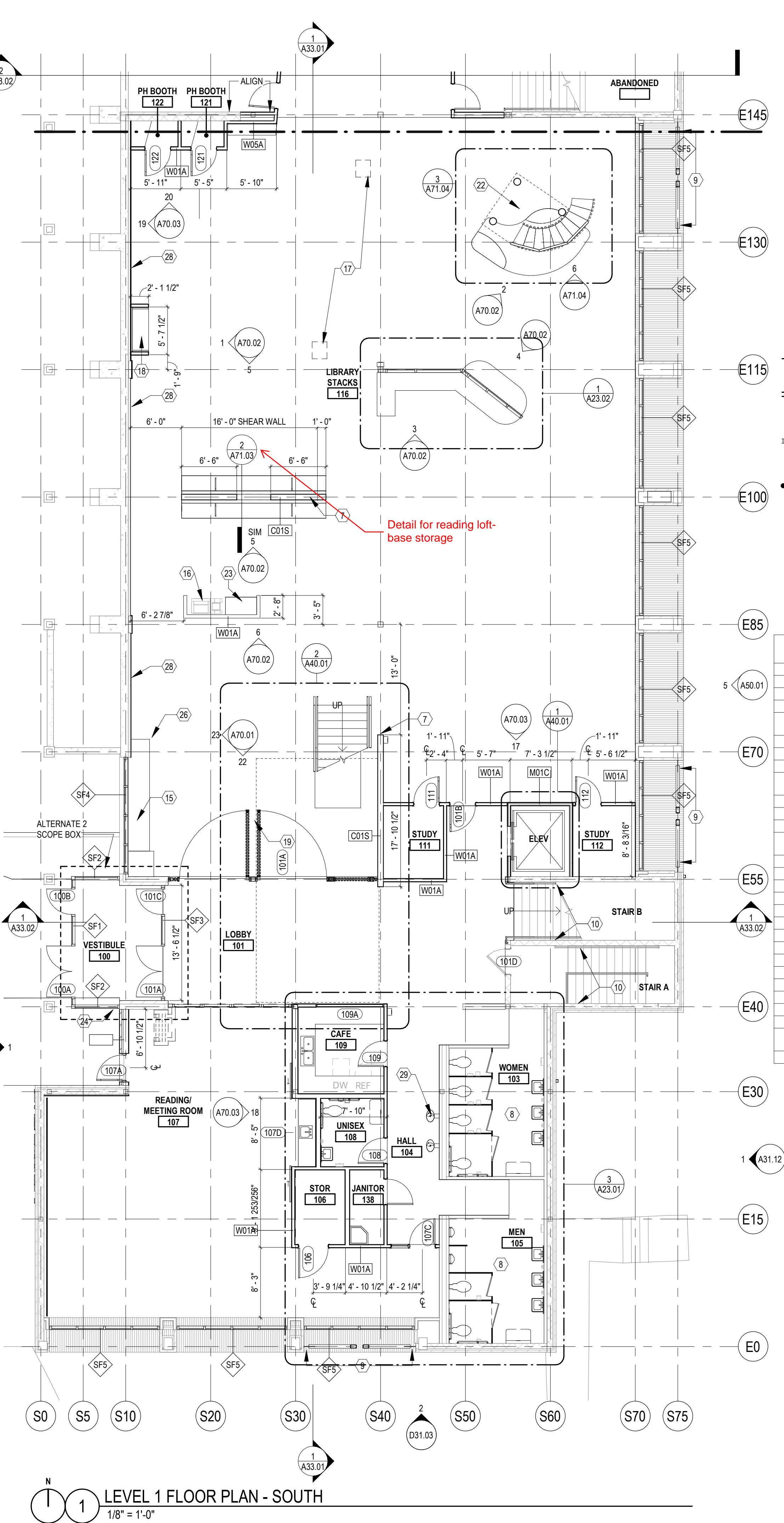
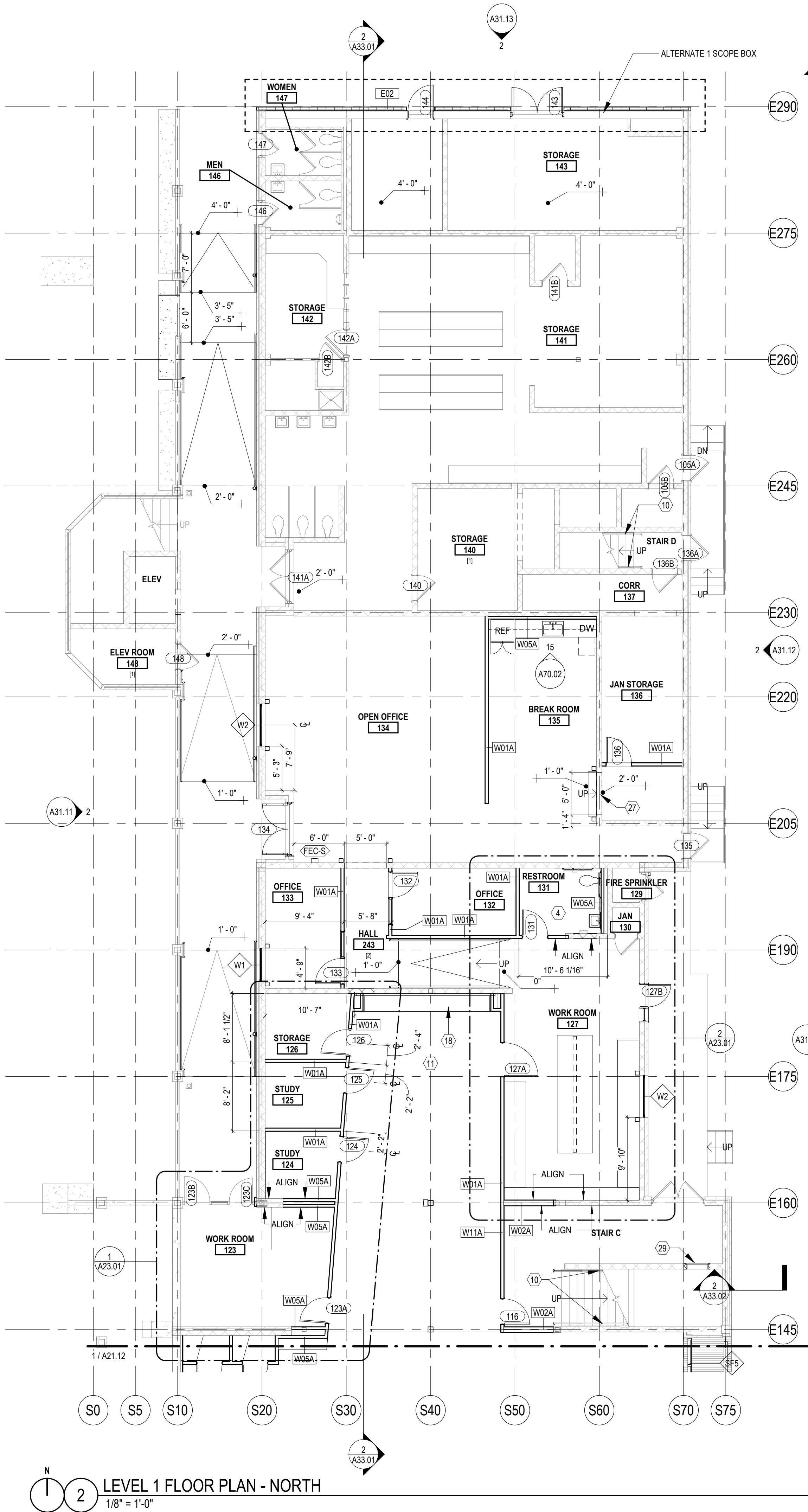
ISSUE DATE DECEMBER 24, 2019

## REVISION SCHEDULE

## FLOOR PLAN - LEVEL 1

SHEET #

# A21.12



Permit Number: 19-05911

### GENERAL NOTES - FLOOR PLAN

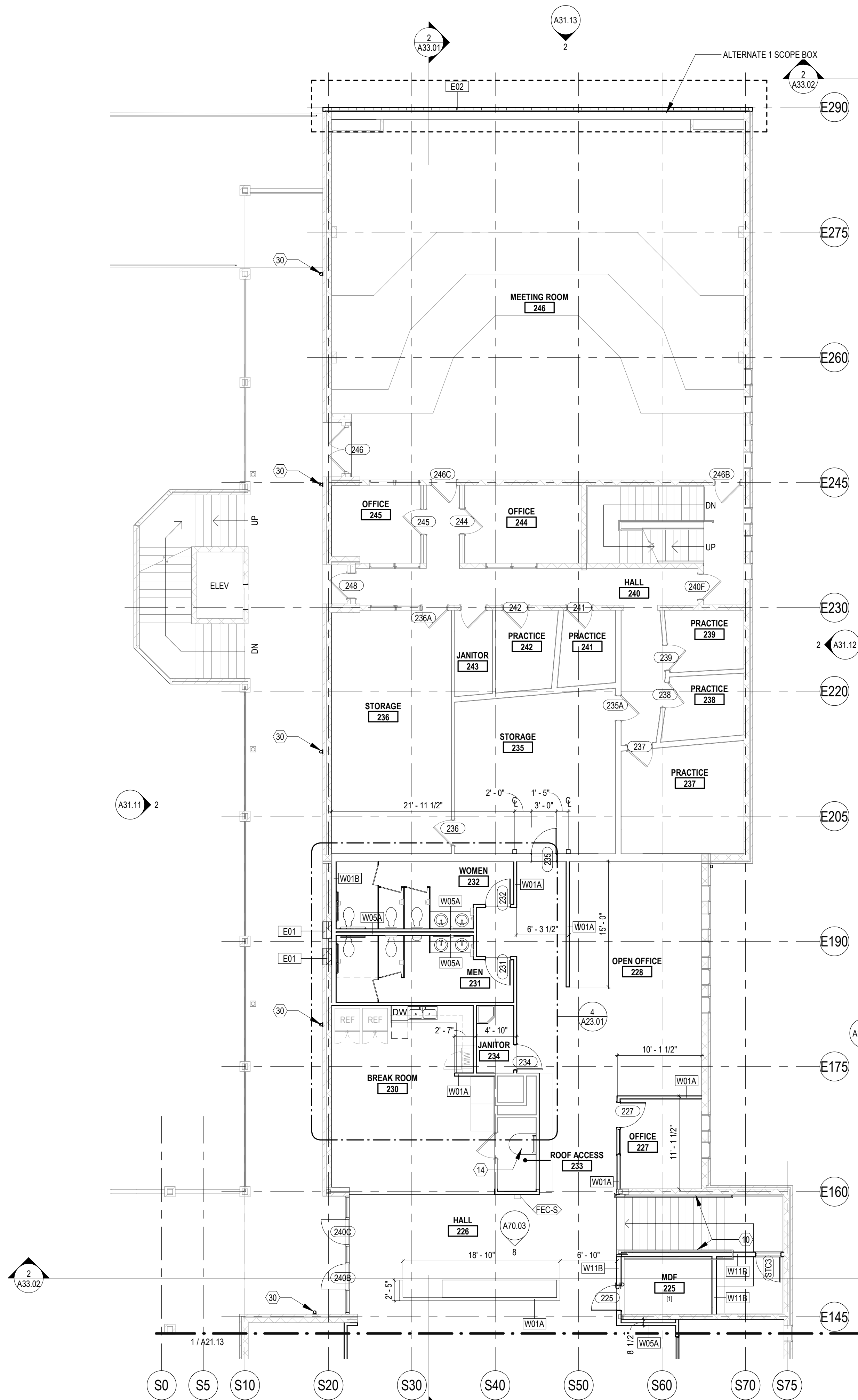
1. SEE FLOOR PLAN AND DOOR SCHEDULE FOR SIZE AND LOCATION OF NEW DOORS IN EXISTING WALLS.
2. SEE CIVIL, LANDSCAPE, MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL DRAWINGS FOR ADDITIONAL ITEMS NOT SPECIFICALLY SHOWN ON THIS DRAWING.
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5. REMOVE AND TURN OVER ALL ARTWORK TO OWNER.
6. CONTRACTOR TO MAINTAIN AND PROTECT IN PLACE ALL EXISTING FIRE LIFE SAFETY DEVICES.
7. NOTIFY ARCHITECT OF ANY CONFLICTS WITH NEW WORK FINISHES.
7. CONTRACTOR TO MAINTAIN INTEGRITY AND CONTINUITY OF EXISTING FIRE RATED ASSEMBLIES.
8. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
9. CONTRACTOR TO MAINTAIN AND PROTECT EXISTING FINISHES, FLOORING AND CEILINGS TO REMAIN.
10. FIELD CONFIRM ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO CONSTRUCTION.
11. DIMENSIONS SHOWN ARE TO GRID LINES, FACE OF DMU, OR FACE OF STUD. WHERE DIMENSIONS TO EXISTING WALL THE DIMENSION IS TO FACE OF WALL UNLESS NOTED OTHERWISE. DIMENSIONS TO OPENINGS ARE MEASURED TO THE CENTERLINE OF THE OPENING IN FRAMED CONSTRUCTION AND ROUGH OPENING IN CMU.
12. REFER TO STRUCTURAL DRAWINGS AND ASSEMBLIES FOR SHEAR WALL INFORMATION.
13. ALL DOORS NOT DIMENSIONED ARE LOCATED AT 1/4" TO AN INTERSECTING WALL OR CENTERED ON WALL.
14. SEE FINISH INFORMATION SHEET A72.01 FOR ADDITIONAL FINISH INFORMATION.
15. ALL ALTERNATE AREAS HAVE NO ARCHITECTURAL SCOPE IN BASE BID. SEE CONSULTANT SHEETS FOR BASE BID SCOPE IN THESE AREAS.

LEGEND - FLOOR PLAN

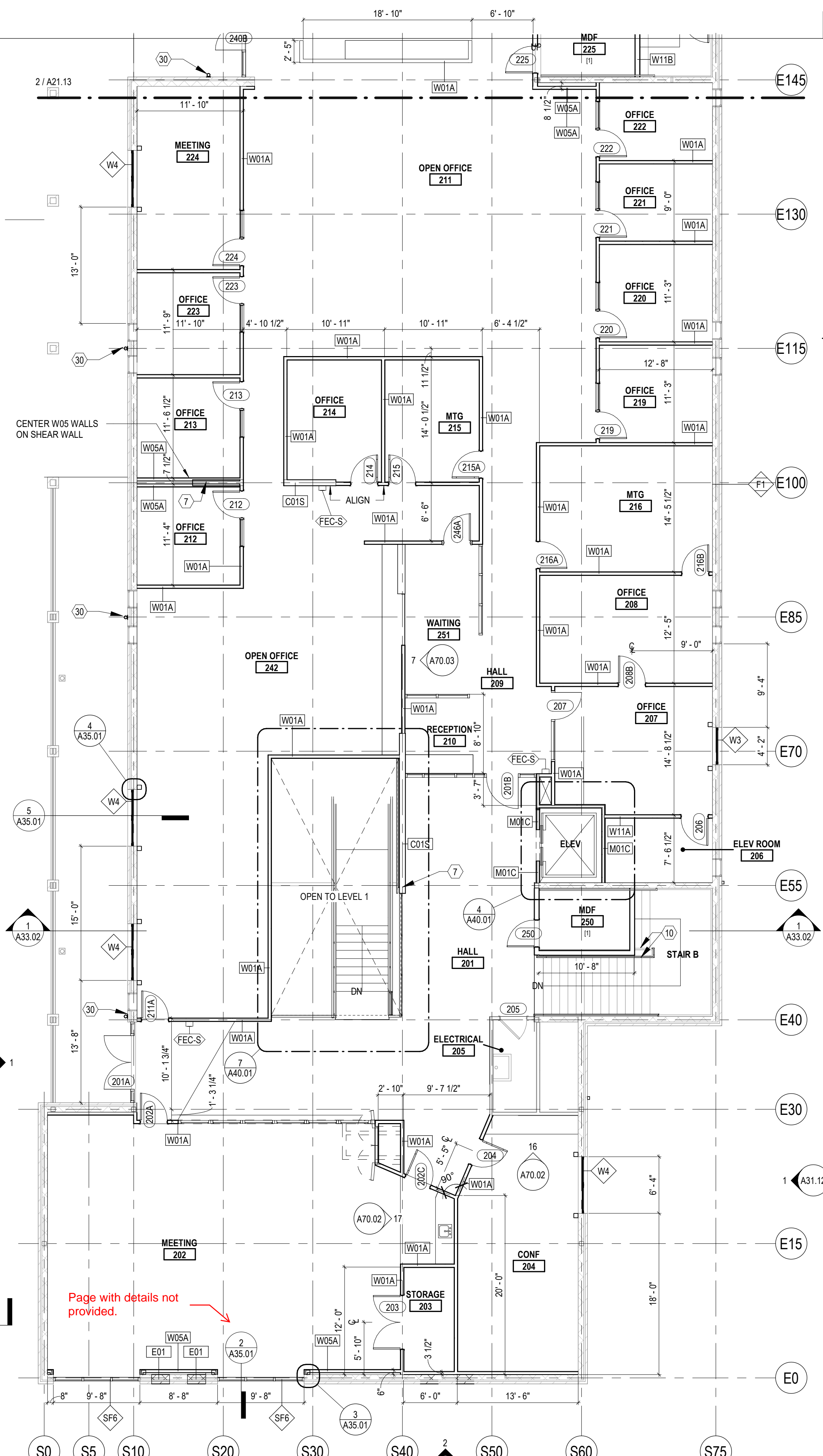
- NEW CONSTRUCTION ELEMENT
- EXISTING ELEMENT TO REMAIN
- ALTERNATE SCOPE AREA

## KEY NOTES - FLOOR PLAN

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1	BASE AND WALL CABINETS
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6	OPEN SHELVING ABOVE
7	CENTER SHEAR WALL ON GRID; SEE STRUCTURAL DRAWINGS FOR INFORMATION
8	PROVIDE NEW PLUMBING FIXTURES, TOILET PARTITIONS, AND ACCESSORIES. SEE ENLARGED PLANS AND ELEVATIONS.
9	SEE STRUCTURAL DRAWINGS FOR NEW BRACED FRAME LOCATION AND INFORMATION
10	PROVIDE ACCESSIBLE HANDRAIL, SEE DETAILS
11	LEVEL FLOOR IN PREVIOUS KITCHEN AREA
12	ALTERNATE SCOPE INCLUDES PAINT WALLS, REPLACE ACT TILES, CARPET, LIGHT FIXTURES AND DOOR LOCK SET. CEILING GRID TO REMAIN.
13	SWINGING ACCESS CONTROL, GATE
14	ADD GAGE AT ROOF ACCESS LADDER AND EXTENTION LADDER HANDLE AT ROOF ACCESS DOOR
15	SELF CHECK-OUT STATIONS
16	
17	PUBLIC CATALOG COMPUTER
18	BUILT IN BENCH
19	SWINGING SECURITY GATE
22	RAISED STAGE WITH UPPER CHILDRENS PLAY PLATFORM ACCESSED VIA STAIRS
23	POWER AND DATA FLOOR BOXES, SEE ELECTRICAL
24	NEW DOWNSPOUT REROUTED FROM EXISTING ABOVE
25	OFOI STORAGE CUBBIES
26	INTERNAL BOOK DROP
27	NEW OPENING IN EXISTING WALL WITH NEW STEP UP
28	5/8" GWB APPLIED OVER EXISTING PLASTER WALL FINISH
29	WALL MOUNTED DRINKING FOUNTAINS, SEE A00.05 ACCESSIBILITY DETAILS FOR MOUNTING HEIGHT
30	NEW DOWNSPOUT THROUGH COVERED WALK



## LEVEL 2 FLOOR PLAN - NORTH

$$1/8'' = 1'-0''$$


## LEVEL 2 FLOOR PLAN - SOUTH

---

1/8" = 1'-0"

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SILVERDALE, WA 98383

[illegible]

## ROOF PLAN

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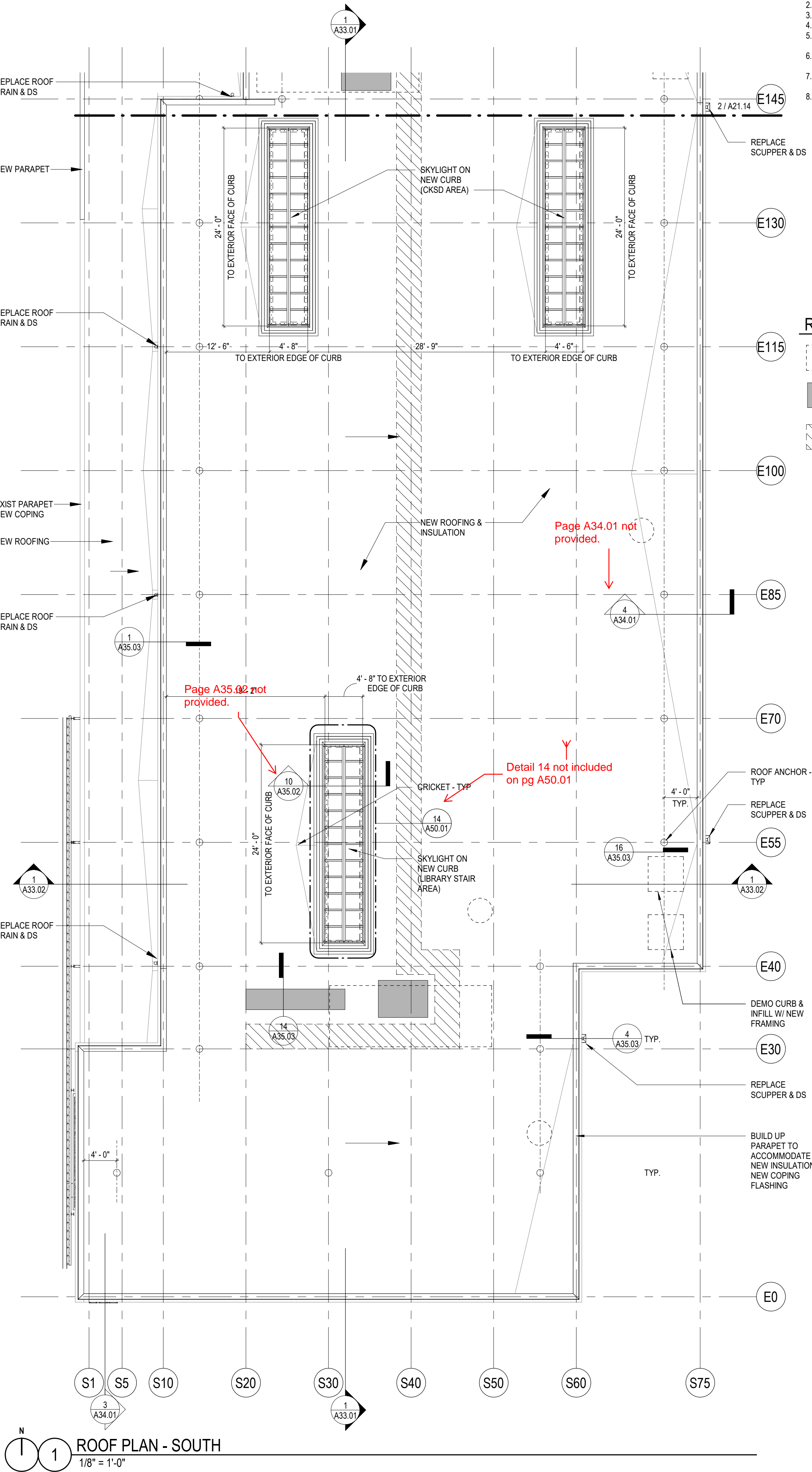
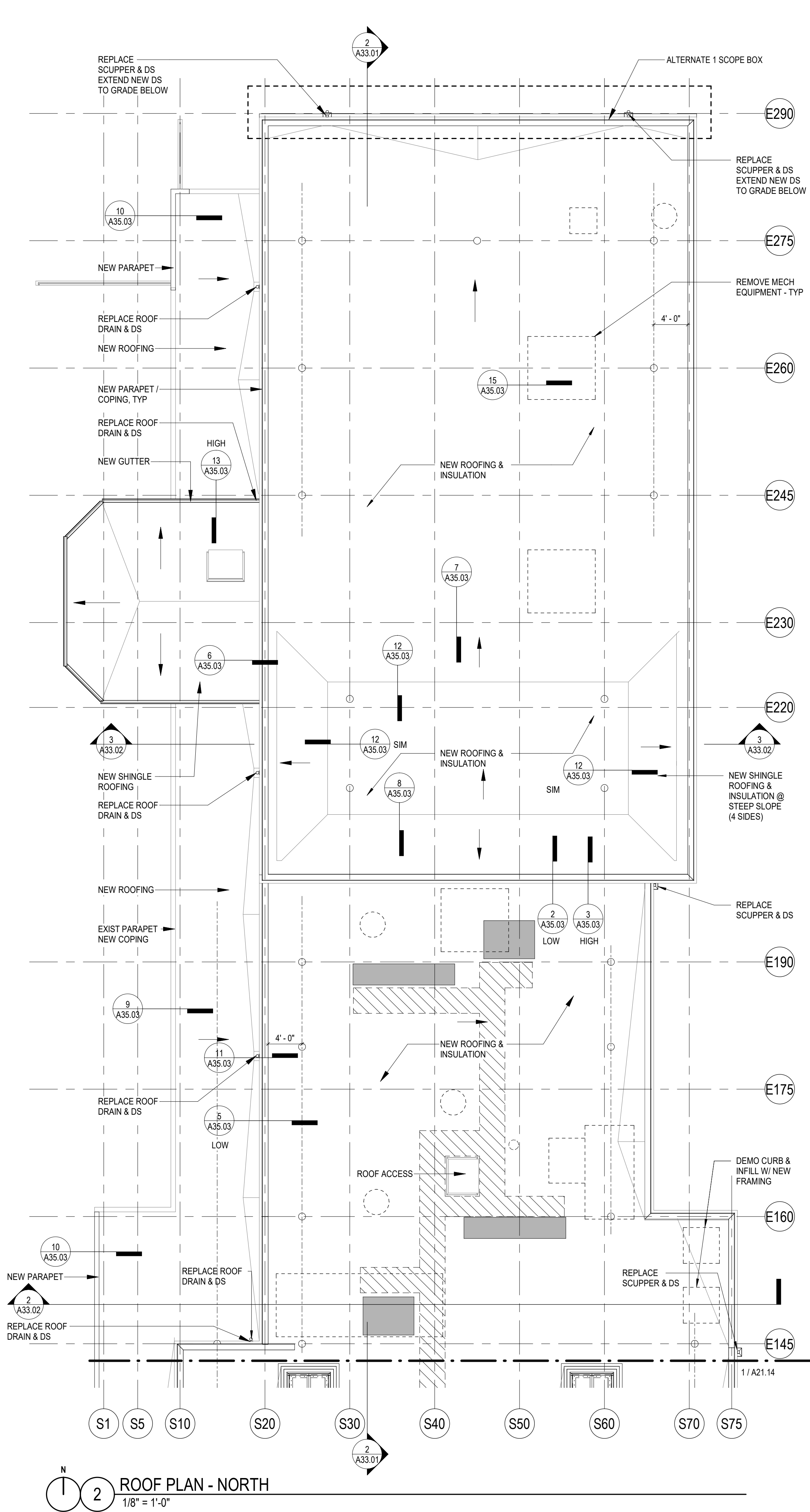
## A21.14

1. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY CONFLICTS.
2. DIMENSIONS INDICATED AS "CLEAR" OR "MIN" ARE FROM THE NEAREST FINISH SURFACE.
3. DIMENSIONS FROM OR TO EXISTING WALLS ARE TO THE NEAREST FINISH SURFACE.
4. GUIDELINES BASED ON AS-BUILT DOCUMENTS. FOR REFERENCE ONLY.
5. SEE MECHANICAL DRAWINGS FOR APPROXIMATE LOCATIONS OF EXISTING AND NEW EQUIPMENT AND ASSOCIATED SCOPE OF WORK.
6. PROVIDE CURB FLASHINGS FOR SKYLIGHTS AND MECHANICAL EQUIPMENT WITH MANUFACTURER'S STANDARD DETAILS.
7. SEE DETAILS FOR CURB FLASHING AND UTILIZE STANDARD DETAILS FOR PROPER FLASHING AND WATERTIGHT INSTALLATION.
8. PROVIDE NEW METAL FLASHINGS, COPINGS, INSULATION, ROOFING, SCUPPERS, AND DOWNSPOUTS.

 MECH EQUIP TO BE REMOVED - VERIFY IN FIELD

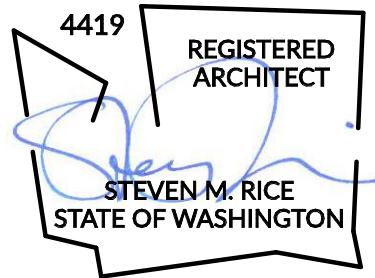
 MECH EQUIPMENT, SEE MECH.

 WALKING MAT



Permit Number: 19-05911

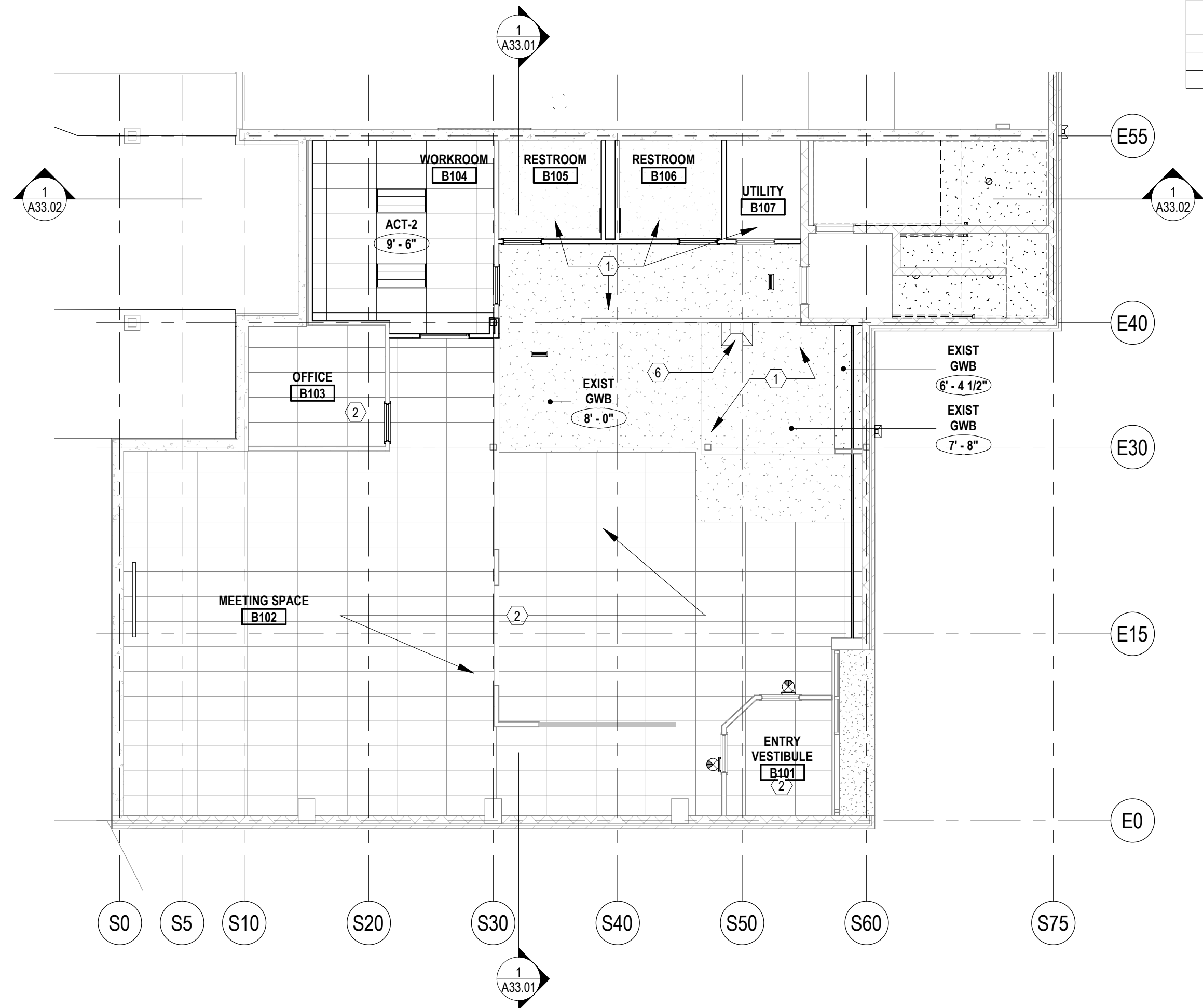
275 FIFTH STREET, SUITE 100  
BREMERTON, WA 98337  
360-377-8773  
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SURFACE MOUNT DOWNLIGHT		
	RECESSED CAN DOWNLIGHT	 ACT 2X4
	RECESSED TROFFER, 2X2	 ACT 2X4 SECOND LOOK
	RECESSED TROFFER, 2X4	
	RECESSED LINEAR	 GYPSUM BOARD
	PENDANT LINEAR	
	DECORATIVE PENDANT	  ALTERNATE SCOPE AREA
	SKYLIGHT	

**NOTE**  
ALL PENDANT FIXTURES MOUNTED AT 10'-0" AFF UNO

KEY NOTES - REFLECTED CEILING PLAN	
#	NOTE DESCRIPTION
1	PATCH EXISTING PLASTER CEILING
2	EXISTING ACT CEILING TO REMAIN
3	MOVEABLE WALL TRACK
4	OPEN TO EXISTING STRUCTURE
6	VENT HOOD
7	ALTERNATE SCOPE INCLUDES PAINT WALLS, REPLACE ACT PANELS IN EXISTING GRID WHERE OCCUR, CARPET, LIGHT FIXTURES AND DOOR LOCK SET.
8	MATCH EXISTING SOFFIT
9	
10	RETRACTABLE PROJECTION SCREEN



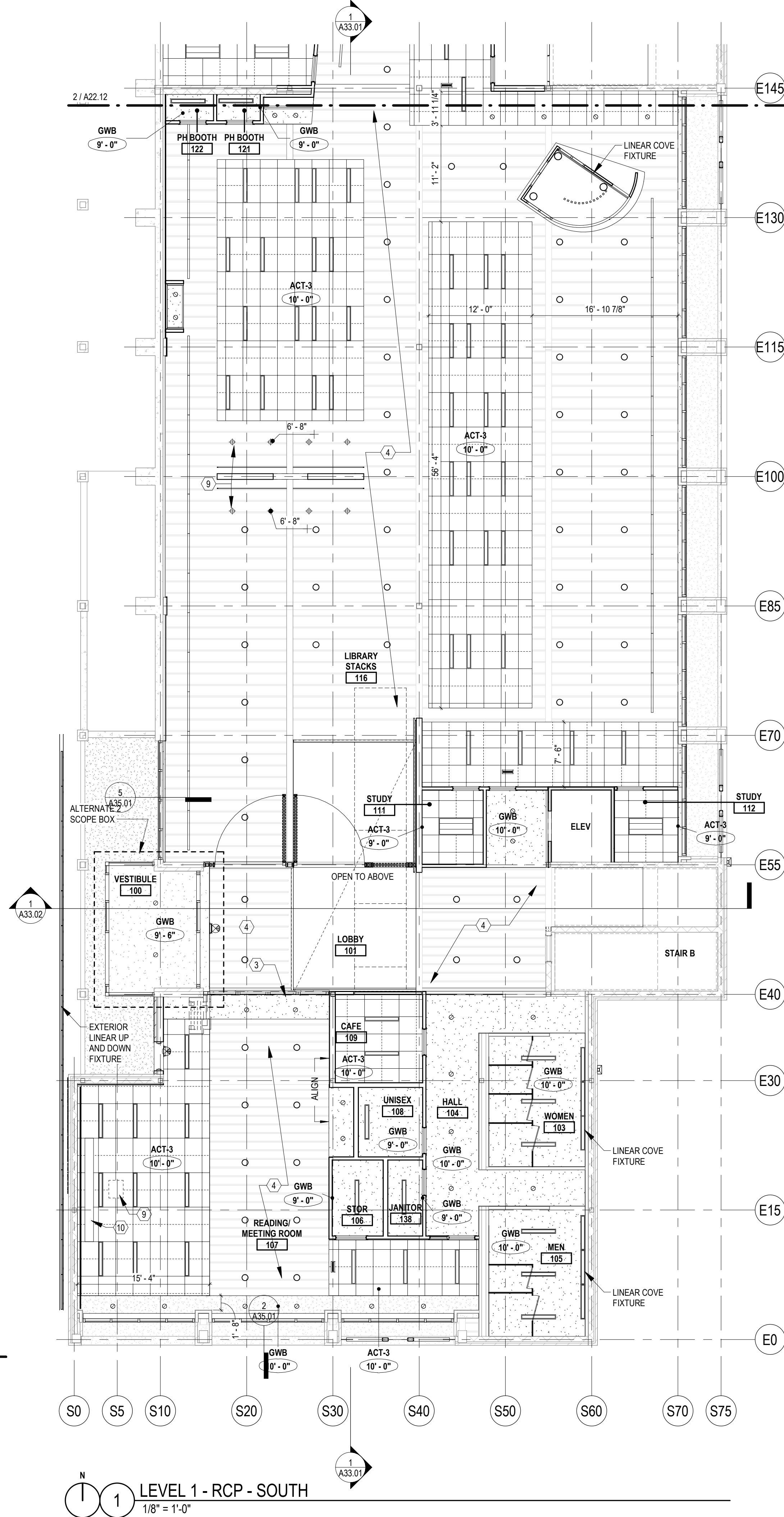
**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

\_\_\_\_\_








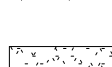




# A22.11

Permit Number: 19-05911

ARCHITECTURAL RCP PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR DETAILED SCOPE OF SYSTEMS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.  
CENTER ALL CEILING FIXTURES IN CEILING TILE, UNLESS NOTED OTHERWISE.



# RCP LEGEND

	SURFACE MOUNT DOWNLIGHT		ACT 2X4
	RECESSED CAN DOWNLIGHT		ACT 2X4 SECOND LOOK
	RECESSED TROFFER, 2X2		
	RECESSED TROFFER, 2X4		
	RECESSED LINEAR		GYPSUM BOARD
	PENDANT LINEAR		
	DECORATIVE PENDANT		ALTERNATE SCOPE AREA
			

**NOTE**  
ALL PENDANT FIXTURES MOUNTED AT 10'-0" AFF UNO

KEY NOTES - REFLECTED CEILING PLAN	
#	NOTE DESCRIPTION
1	PATCH EXISTING PLASTER CEILING
2	EXISTING ACT CEILING TO REMAIN
3	MOVEABLE WALL, TRACK
4	OPEN TO EXISTING STRUCTURE
6	VENT HOOD
7	ALTERNATE SCOPE INCLUDES PAINT WALLS, REPLACE ACT PANELS IN EXISTING GRID WHERE OCCUR, CARPET, LIGHT FIXTURES AND DOOR LOCK SET.
8	MATCH EXISTING SOFFIT
9	
10	RETRACTABLE PROJECTION SCREEN

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[illegible]

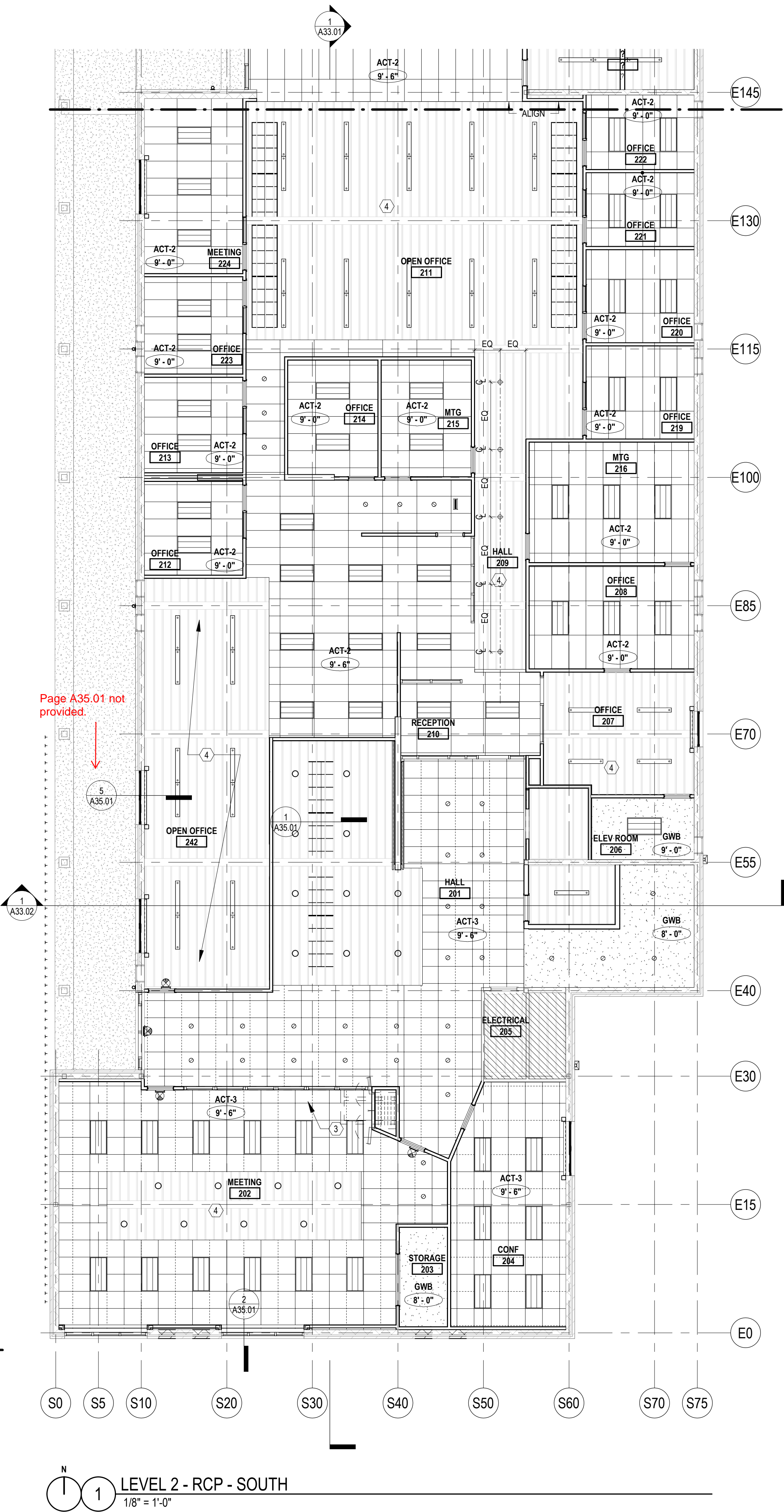
REFLECTED CEILING  
PLAN - LEVEL 2

SHEET #









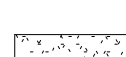



# A22.13

1. ARCHITECTURAL RCP PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR DETAILED SCOPE OF SYSTEMS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

2. CENTER ALL CEILING FIXTURES IN CEILING TILE, UNLESS NOTED OTHERWISE.

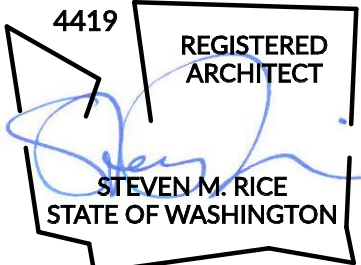


## RCP LEGEND

	SURFACE MOUNT DOWNLIGHT		
	RECESSED CAN DOWNLIGHT		ACT 2X4
	RECESSED TROFFER, 2X2		
	RECESSED TROFFER, 2X4		ACT 2X4 SECOND LOOK
	RECESSED LINEAR		
	PENDANT LINEAR		GYPSUM BOARD
	DECORATIVE PENDANT	 	ALTERNATE SCOPE AREA

KEY NOTES - REFLECTED CEILING PLAN	
#	NOTE DESCRIPTION
1	PATCH EXISTING PLASTER CEILING
2	EXISTING ACT CEILING TO REMAIN
3	MOVEABLE WALL TRACK
4	OPEN TO EXISTING STRUCTURE
6	VENT HOOD
7	ALTERNATIVE SCOPE INCLUDES PAINT WALLS, REPLACE ACT PANELS IN EXISTING GRID WHERE OCCUR, CARPET, LIGHT FIXTURES AND DOOR LOCK SET.
8	MATCH EXISTING SOFFIT
9	RETRACTABLE PROJECTION SCREEN

Permit Number: 19-05911

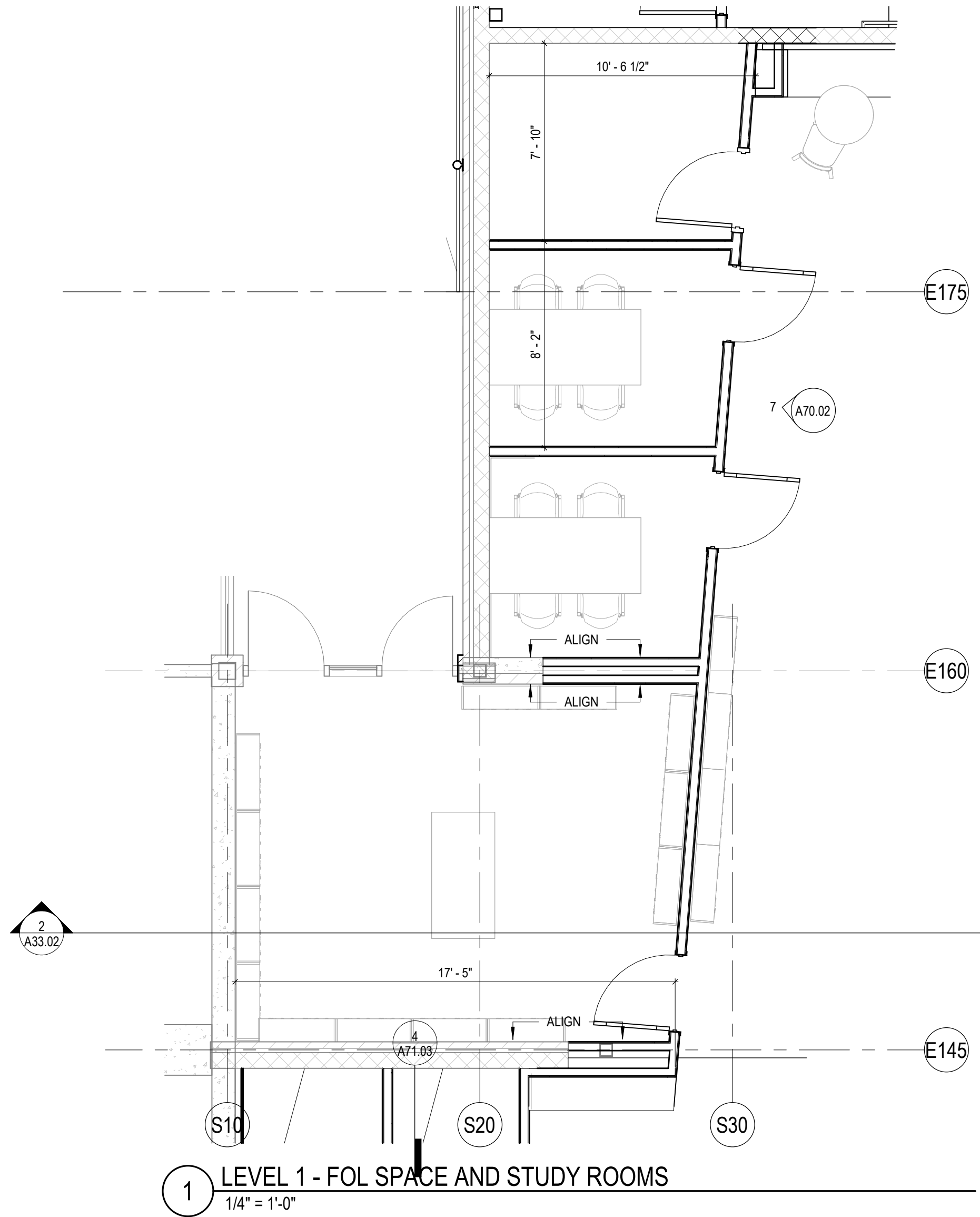
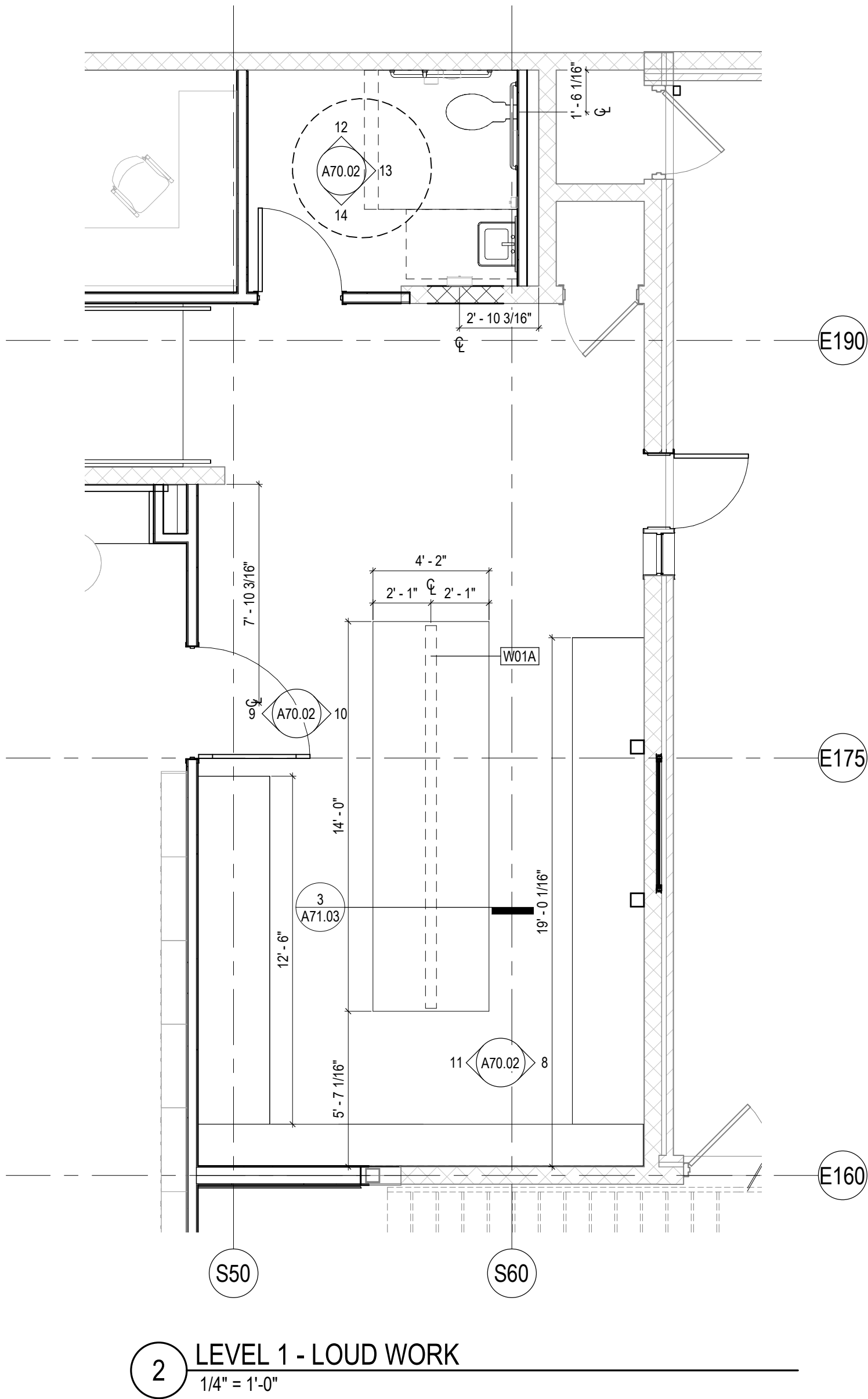
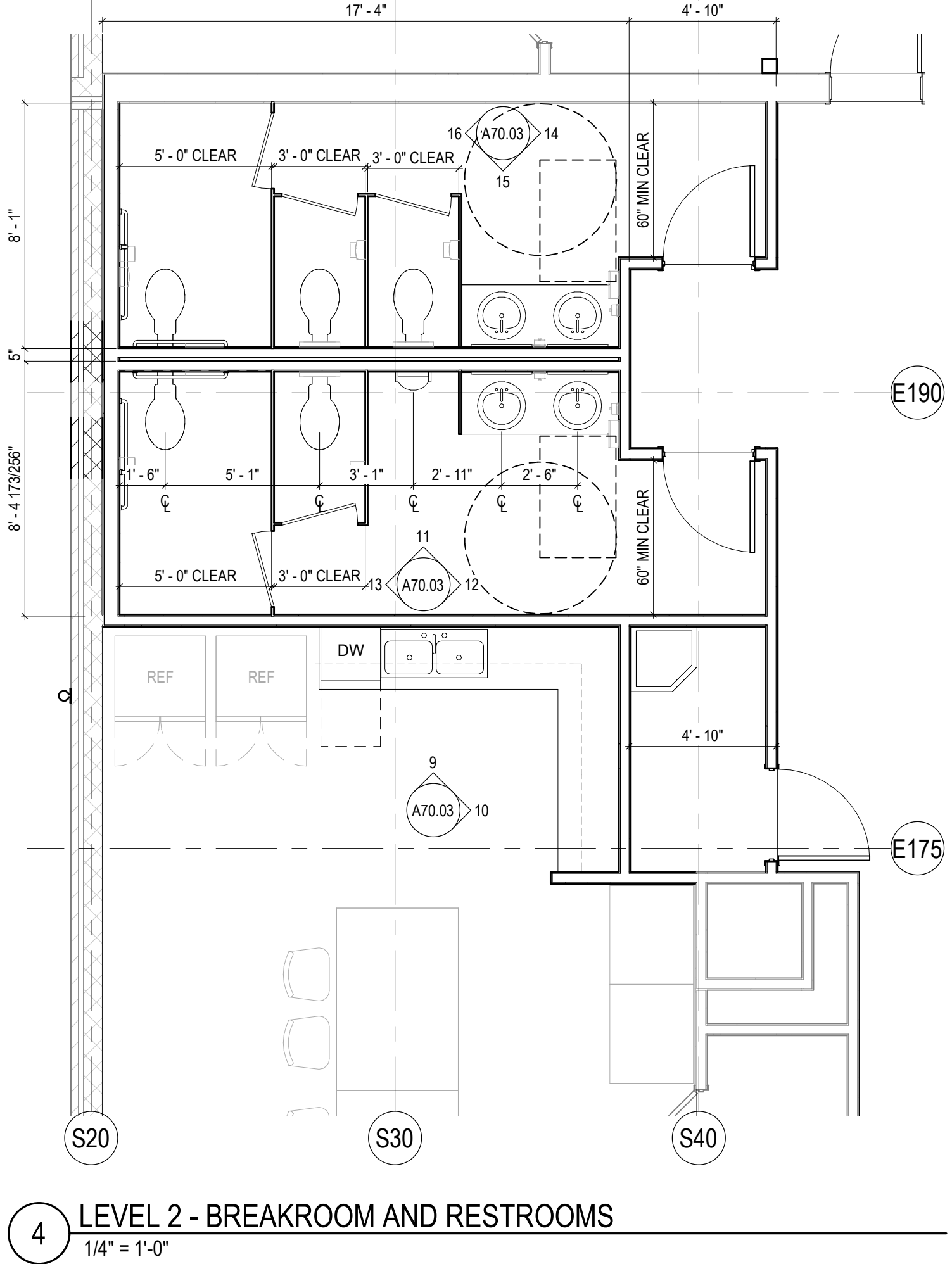


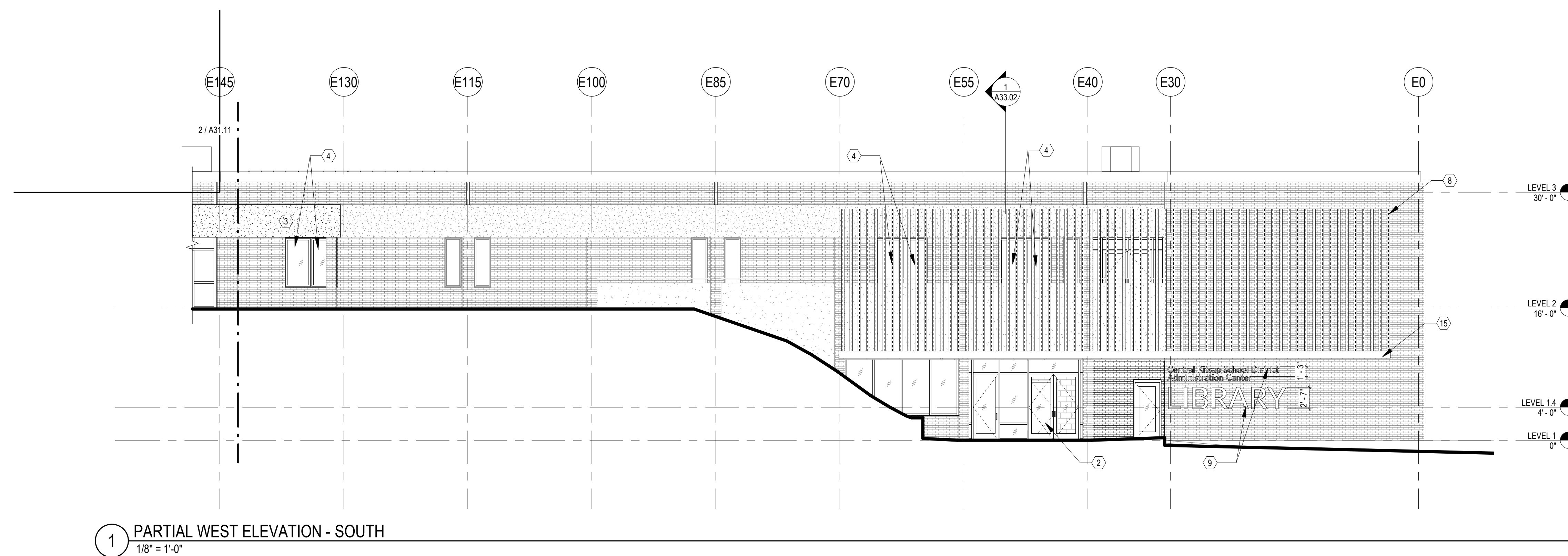
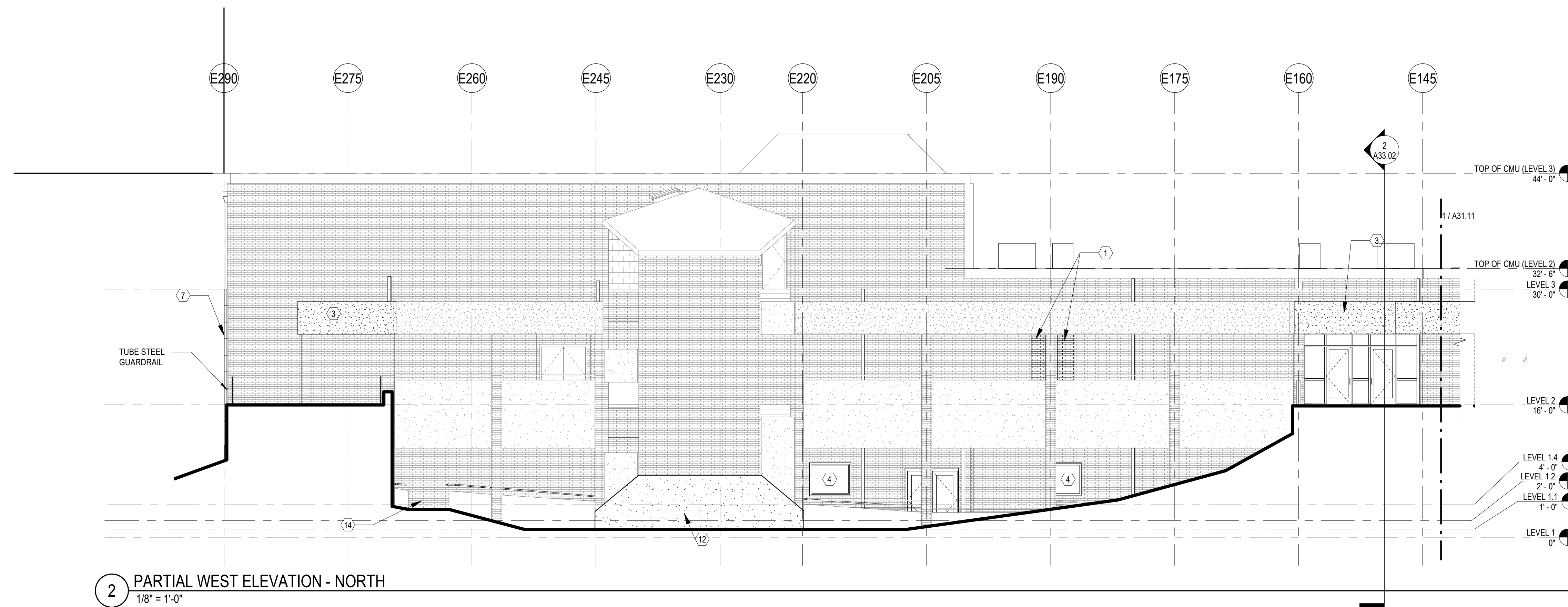
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[illegible]


SHEET #

# A23.01





### EXTERIOR ELEVATION LEGEND



STUCCO, EXISTING UNO

BRICK, EXISTING UNO

NEW EIFS

KEY NOTES - EXTERIOR ELEVATION	
#	NOTE DESCRIPTION
1	MATCH EXISTING BRICK
2	STOREFRONT PER OPENING SCHEDULE
3	MATCH EXISTING STUCCO
4	WINDOW PER OPENING SCHEDULE
5	EXISTING LOUVER TO REMAIN
6	CROSS BRACING - SEE STRUCTURAL
7	NEW EIFS SYSTEM ON FACE OF EXPOSED CMU WALL IN BASE BID
8	EXTERIOR METAL SLATS SCREEN - PAINTED 3x4.25 WT AT 1'-0" OC, ATTACH TO SUBFRAME ANCHORED TO EXISTING MASONRY
9	CUT METAL LETTERS ON STANDOFFS
10	EXISTING COMPOSITION ROOF
11	NEW STEEL GUARDRAIL
12	MATCH EXISTING STUCCO FINISH AT MASONRY WALLS EXPOSED FOLLOWING GRADE DEMOLITION
13	NEW SCUPPER AND DOWNSPOUT AT LOCATION OF DEMO'D EXISTING
14	SAW CUT RETAINING WALL FOR NEW AT GRADE ENTRY TO EXTERIOR RAMP
15	STEEL LIGHTING COWL - SEE ELEC

4419  
REGISTERED  
ARCHITECT  
STEVEN M. RICE  
STATE OF WASHINGTON

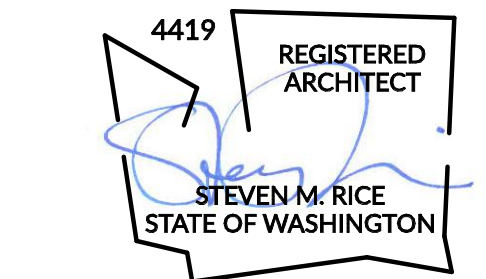
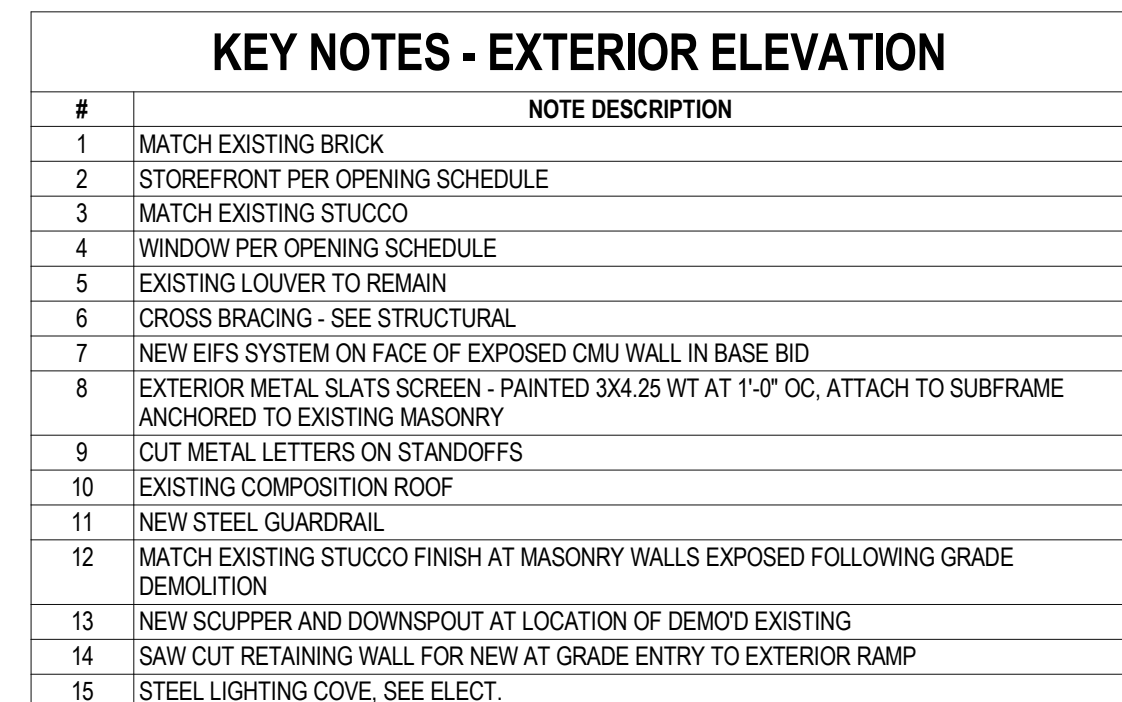
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[illegible]

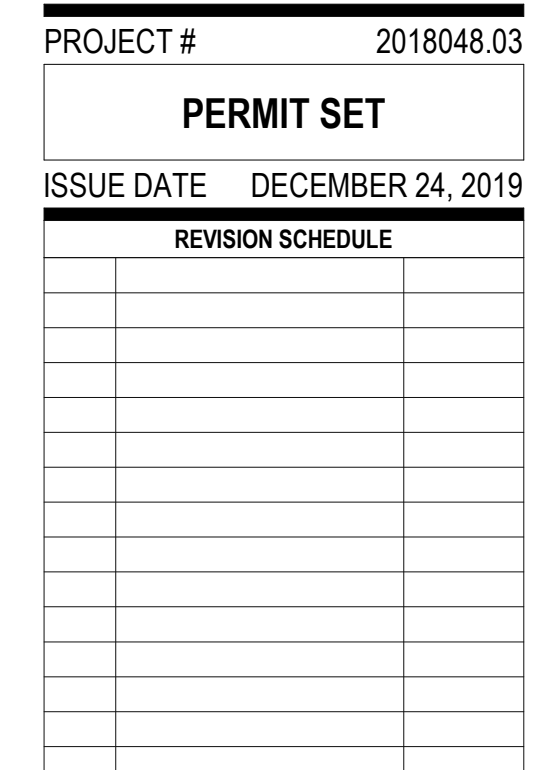
## EXTERIOR ELEVATIONS - WEST

SHEET #

# A31.11



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EXTERIOR  
ELEVATIONS - EAST

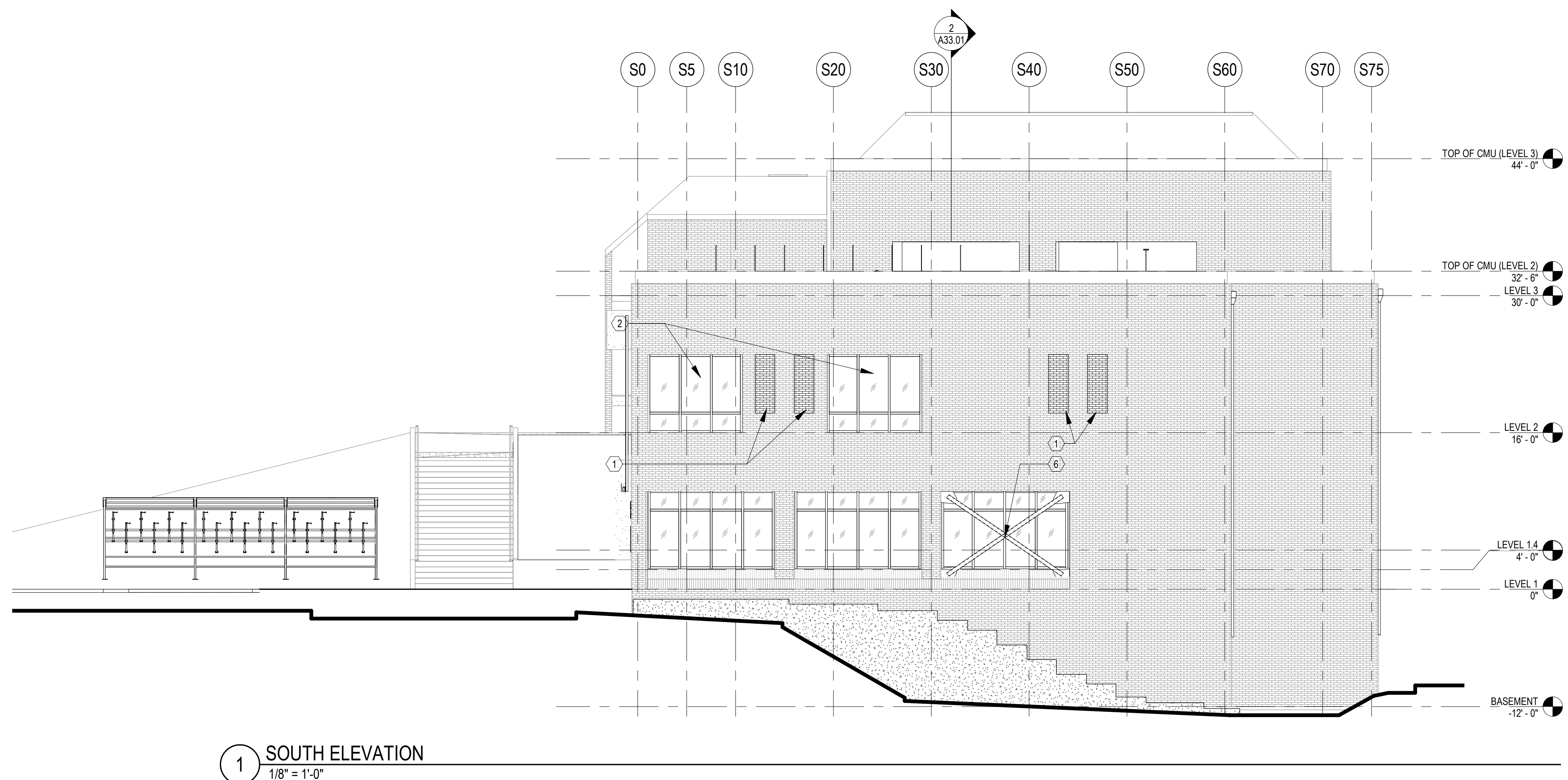
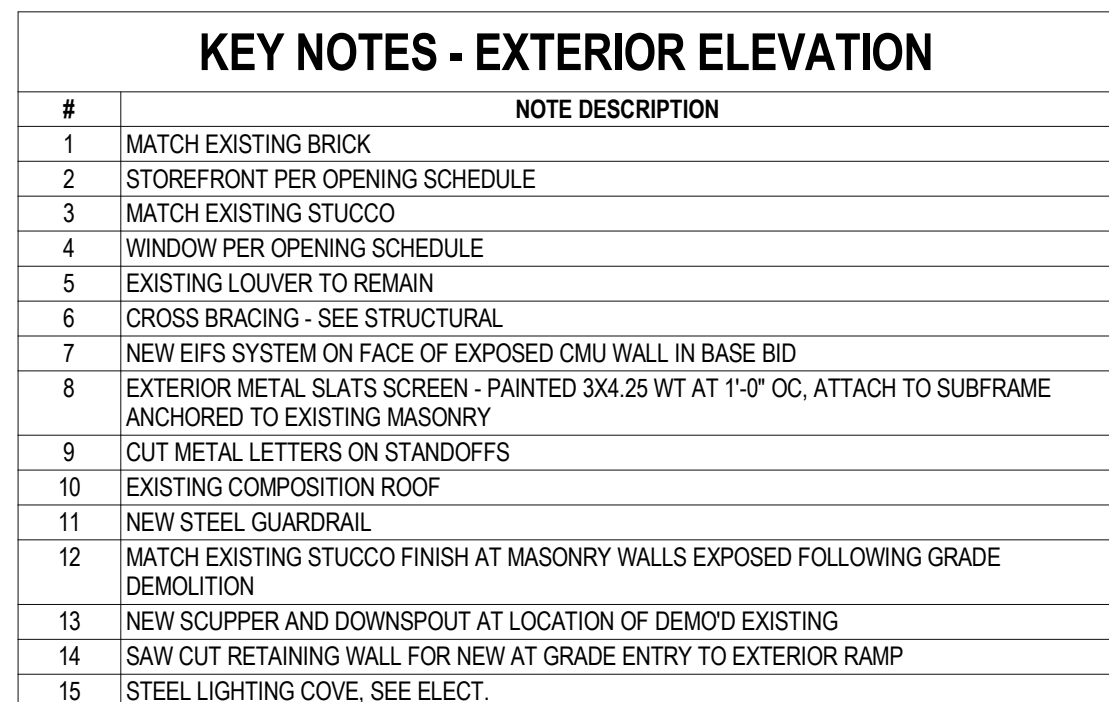
SHEET #

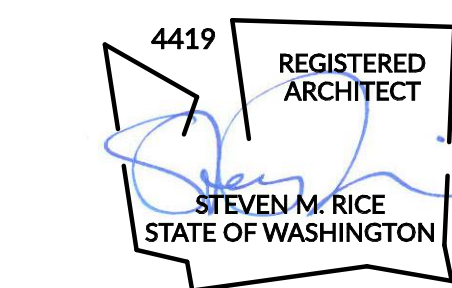
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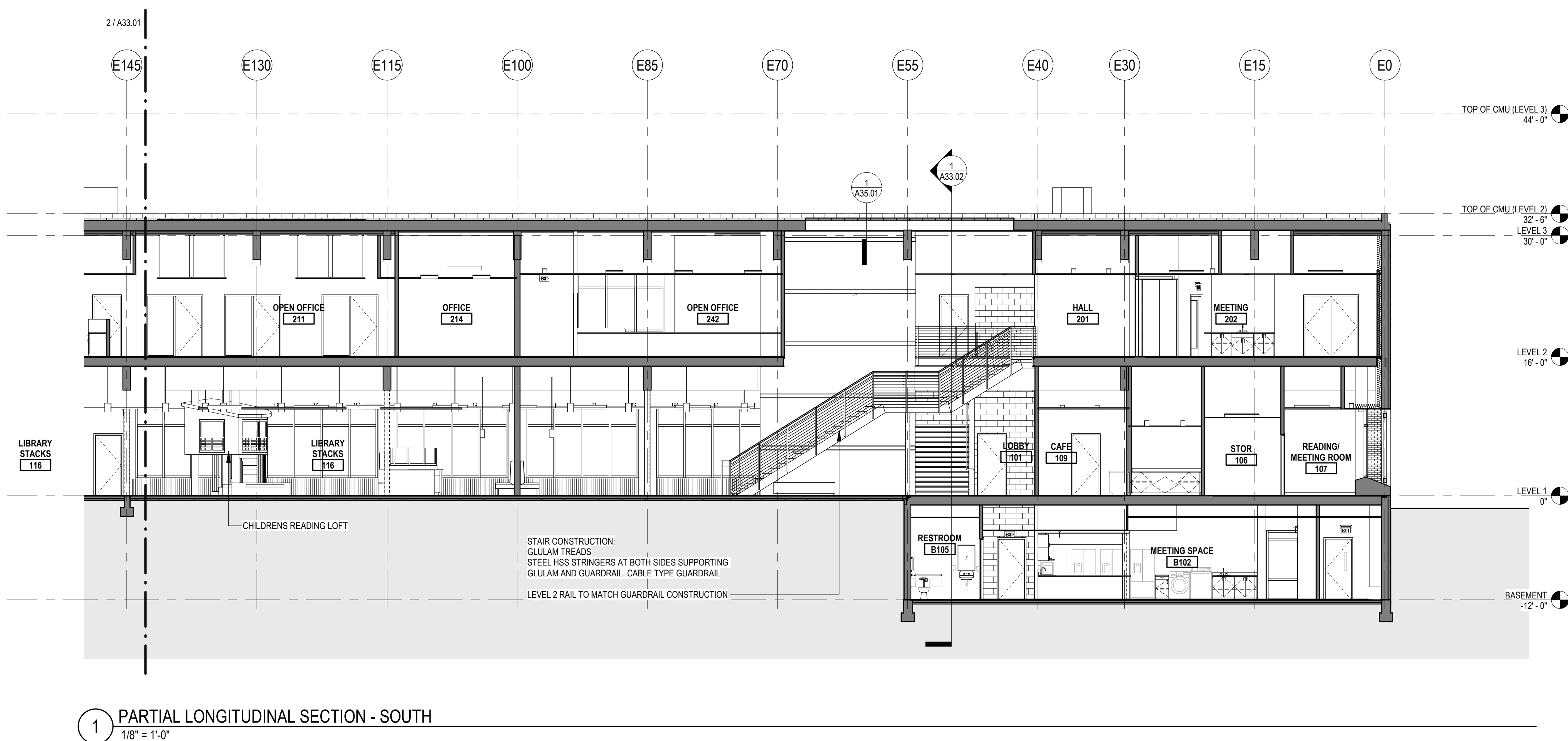
SHEET #

Permit Number: 19-05911





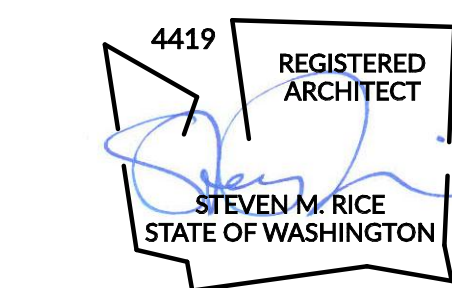
**CKSD/ KRL**  
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SILVERDALE, WA 98383

[illegible]

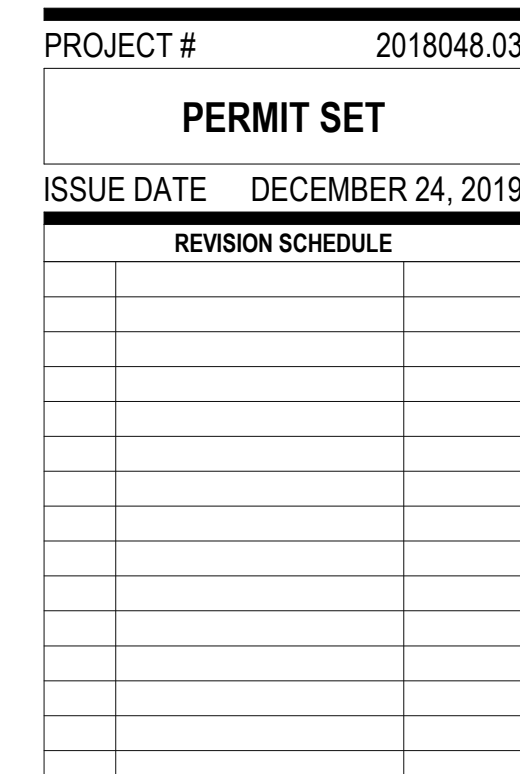
## BUILDING SECTIONS

SHEET #

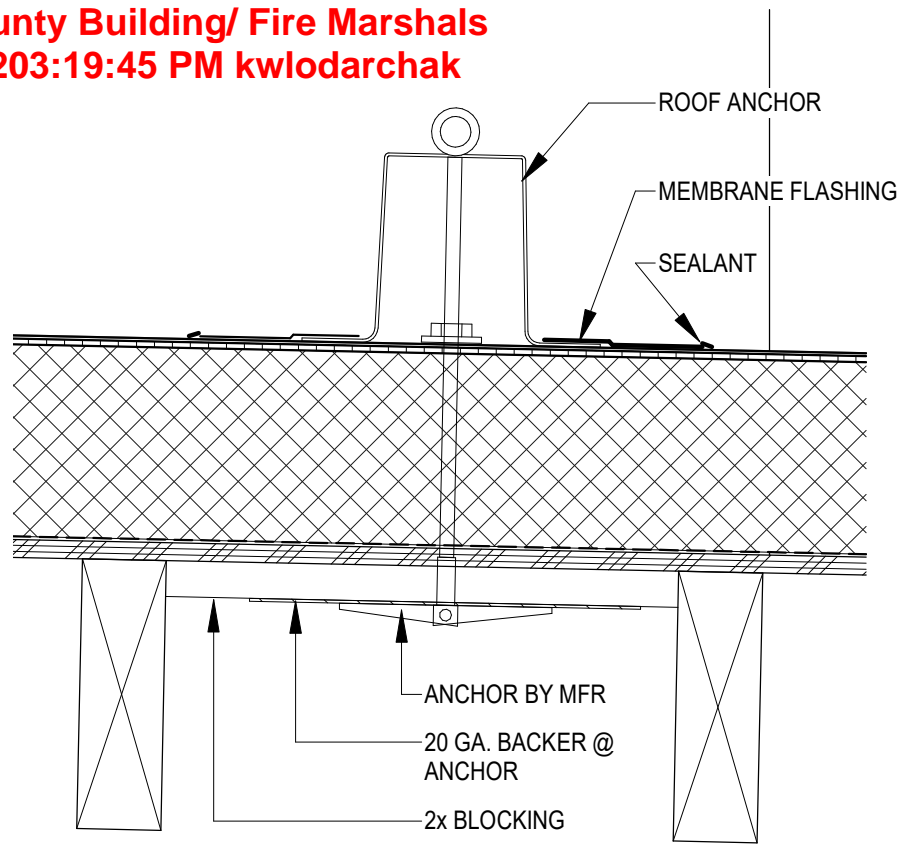
# A33.01



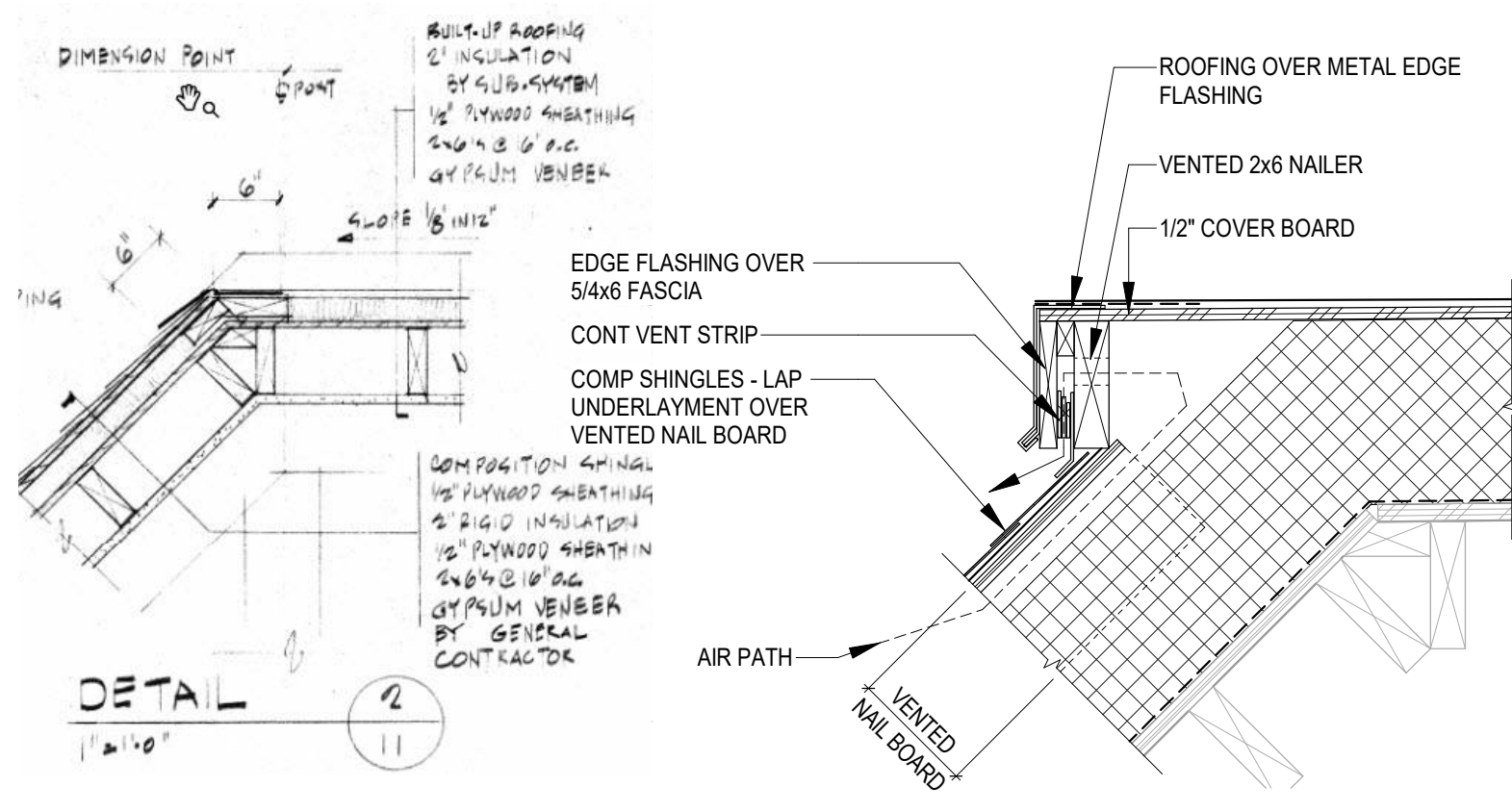
**CKSD/ KRL**  
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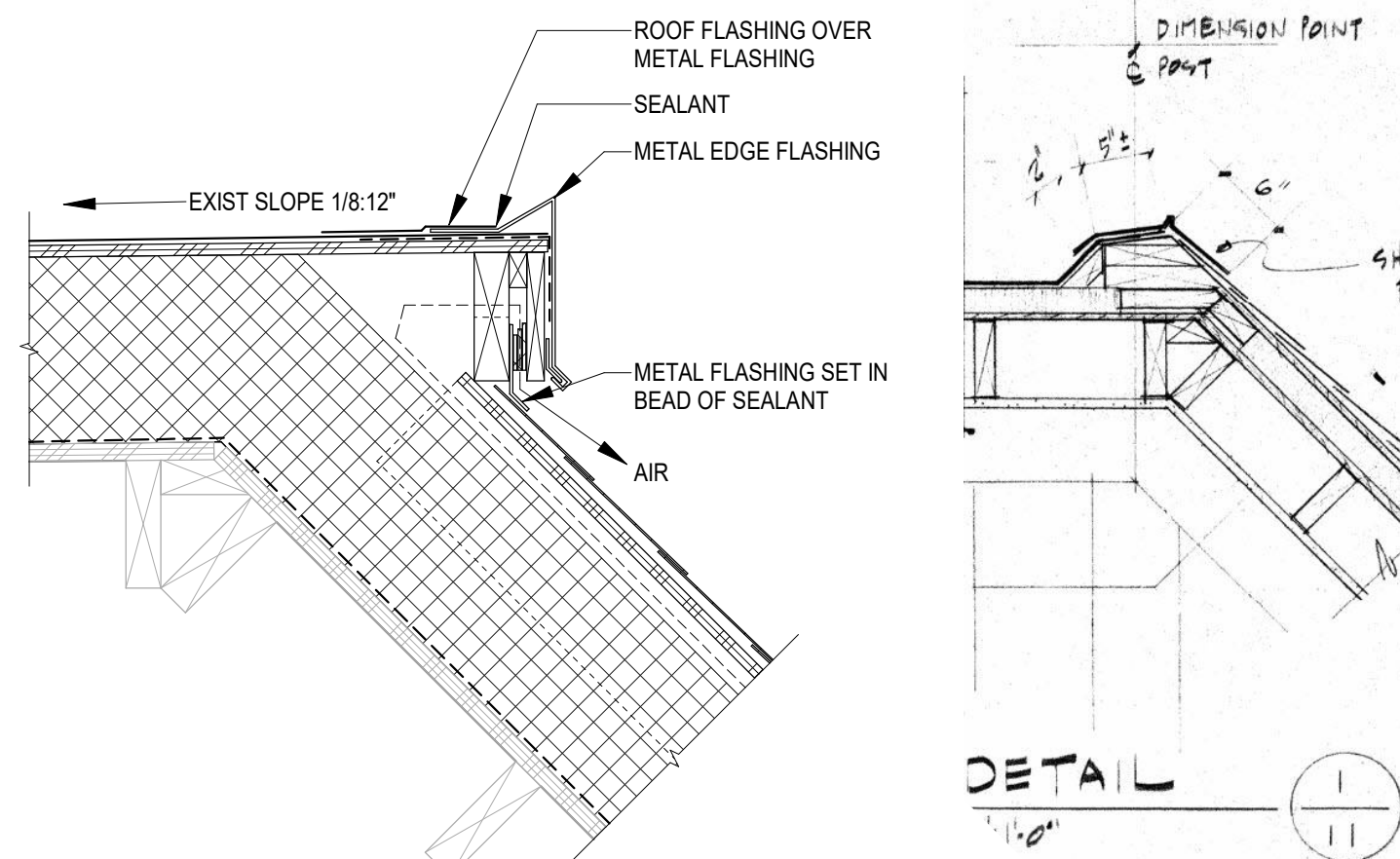
## BUILDING SECTIONS



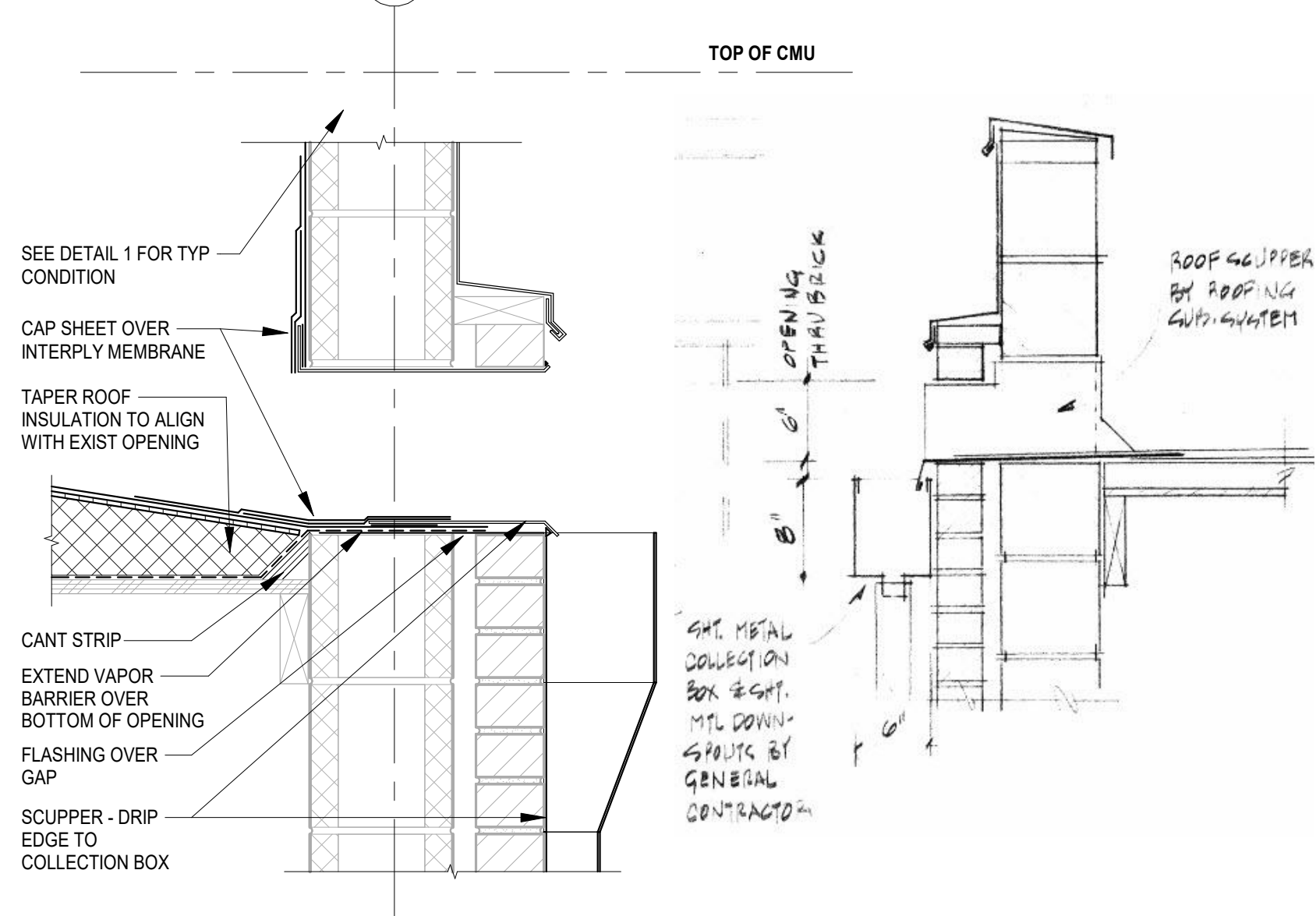
16 ROOF ANCHOR - TYP  
1 1/2" = 1'-0"



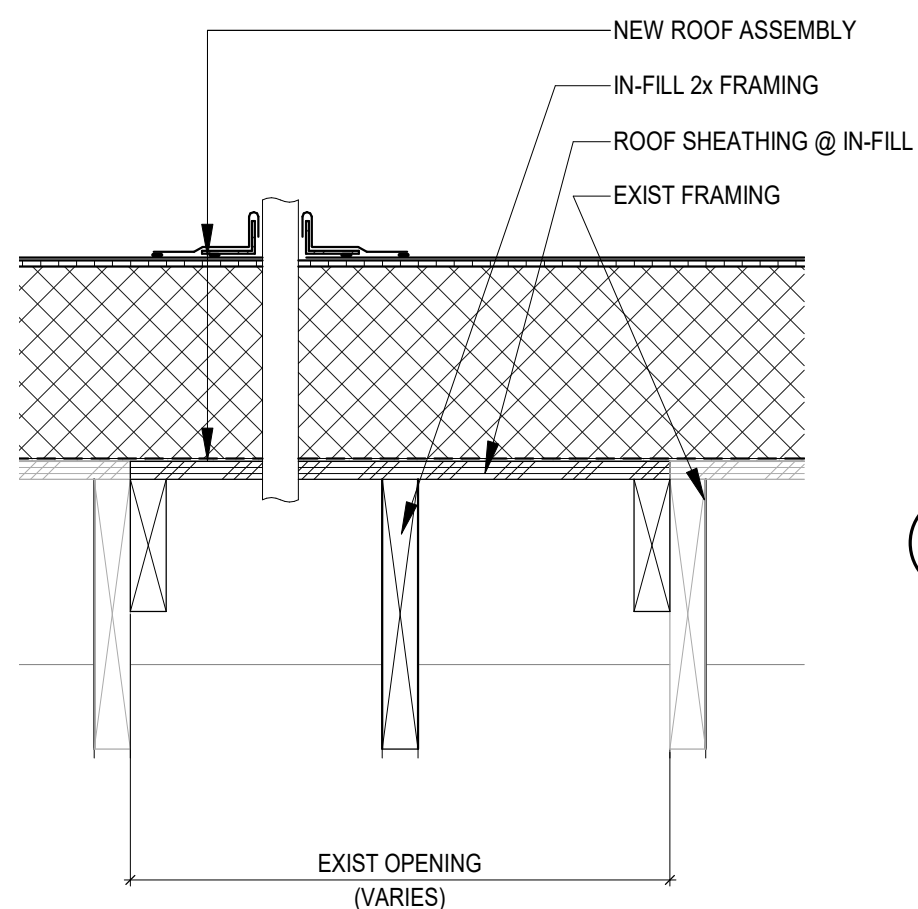
12 FLAT / SLOPE TRANSITION  
1 1/2" = 1'-0"



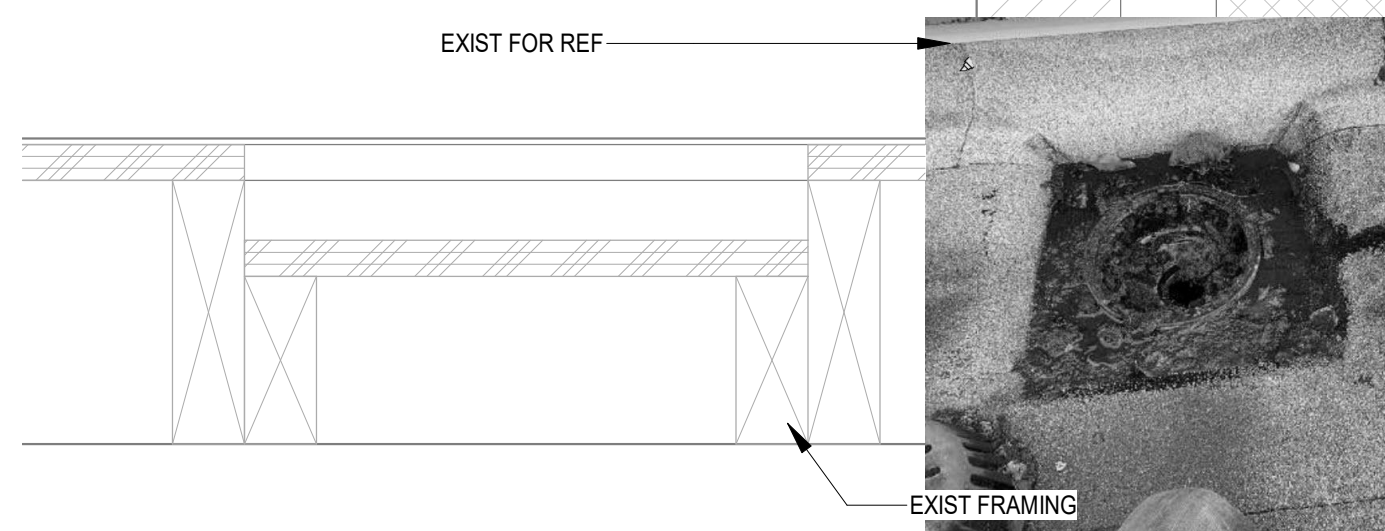
8 FLAT / SLOPE TRANSITION 2  
1 1/2" = 1'-0"



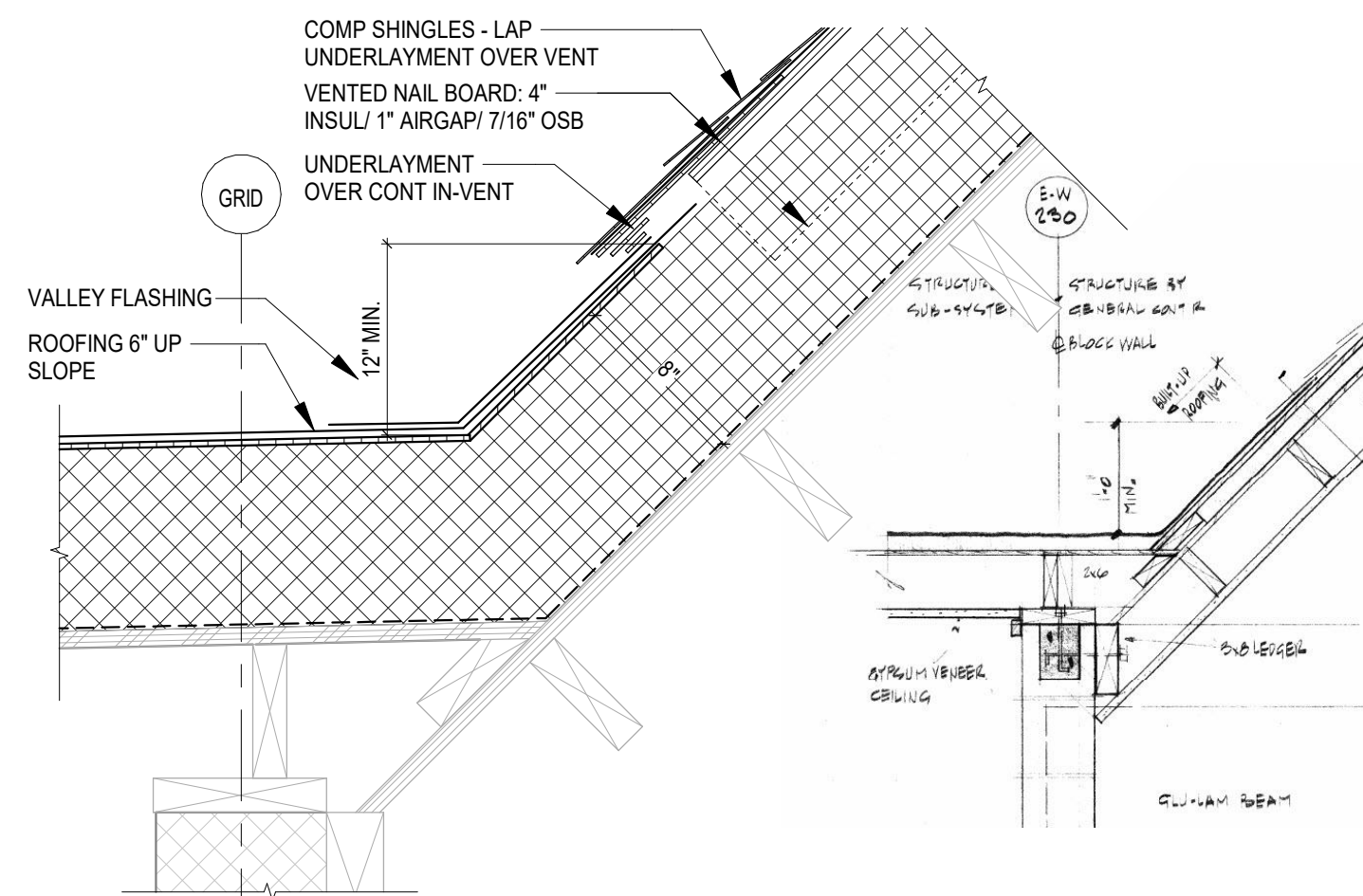
4 SCUPPER  
1 1/2" = 1'-0"



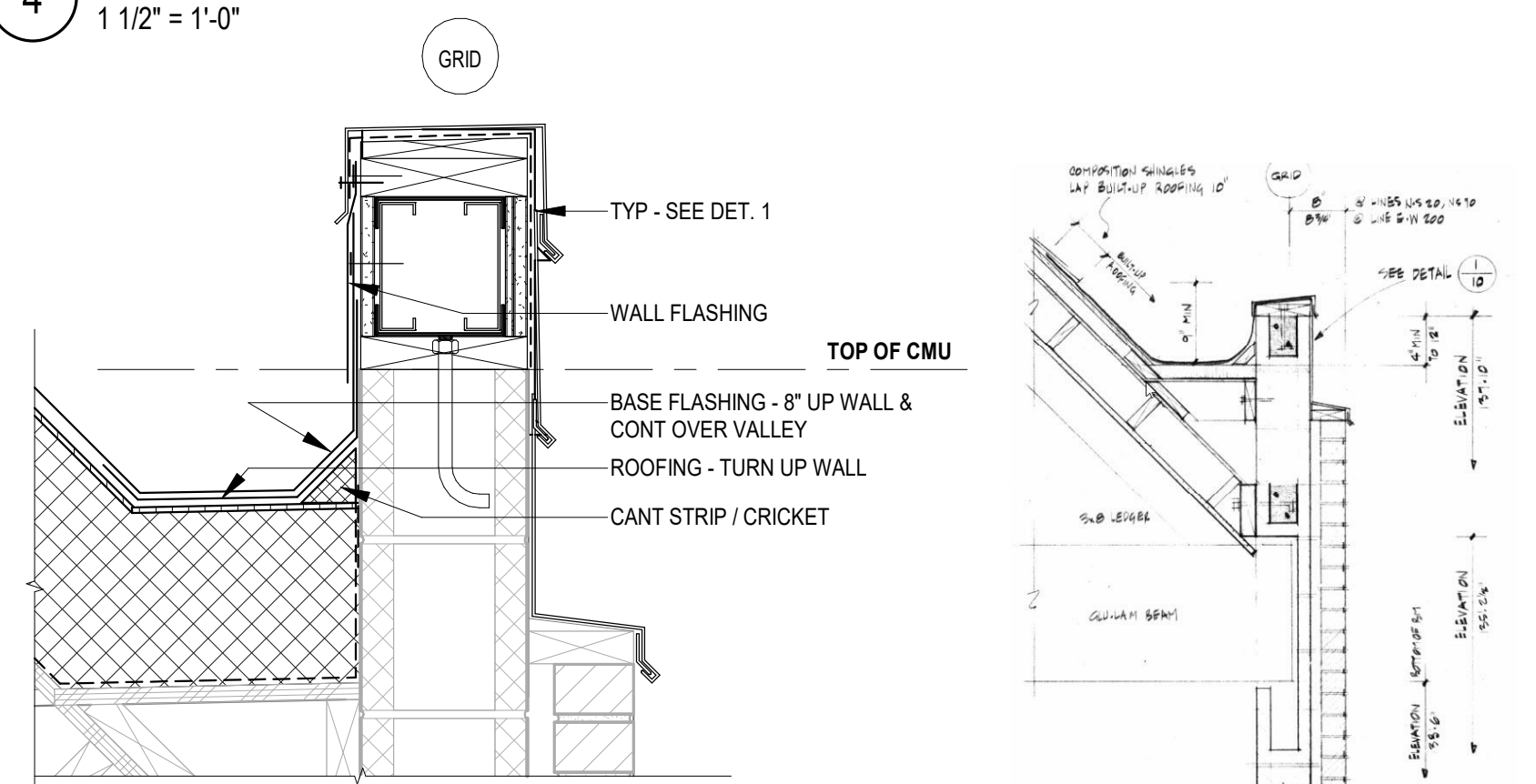
15 ROOF IN-FILL - TYP.  
1 1/2" = 1'-0"



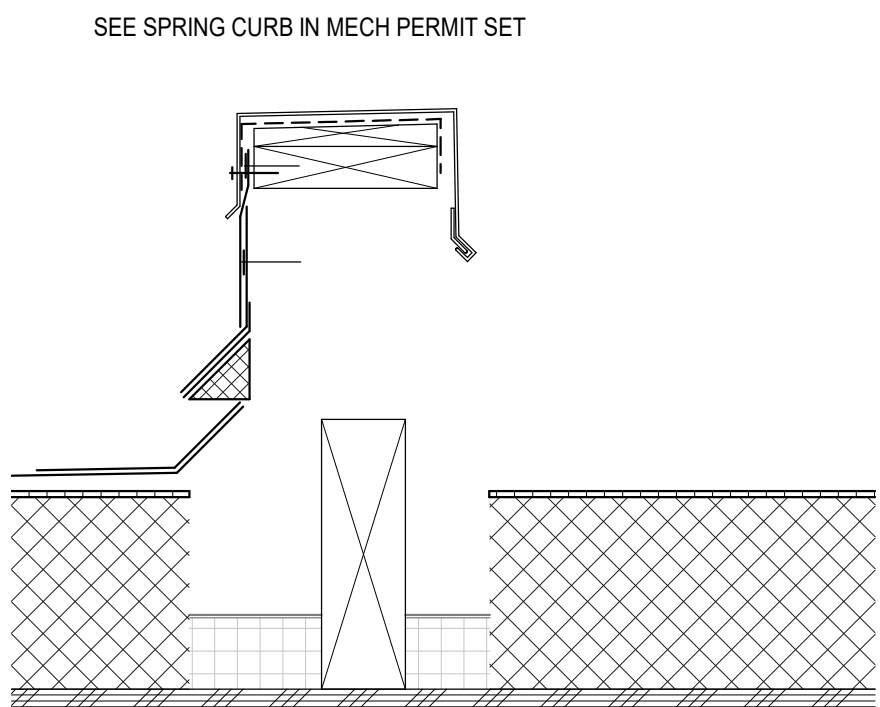
11 ROOF DRAIN - TYP  
3" = 1'-0"



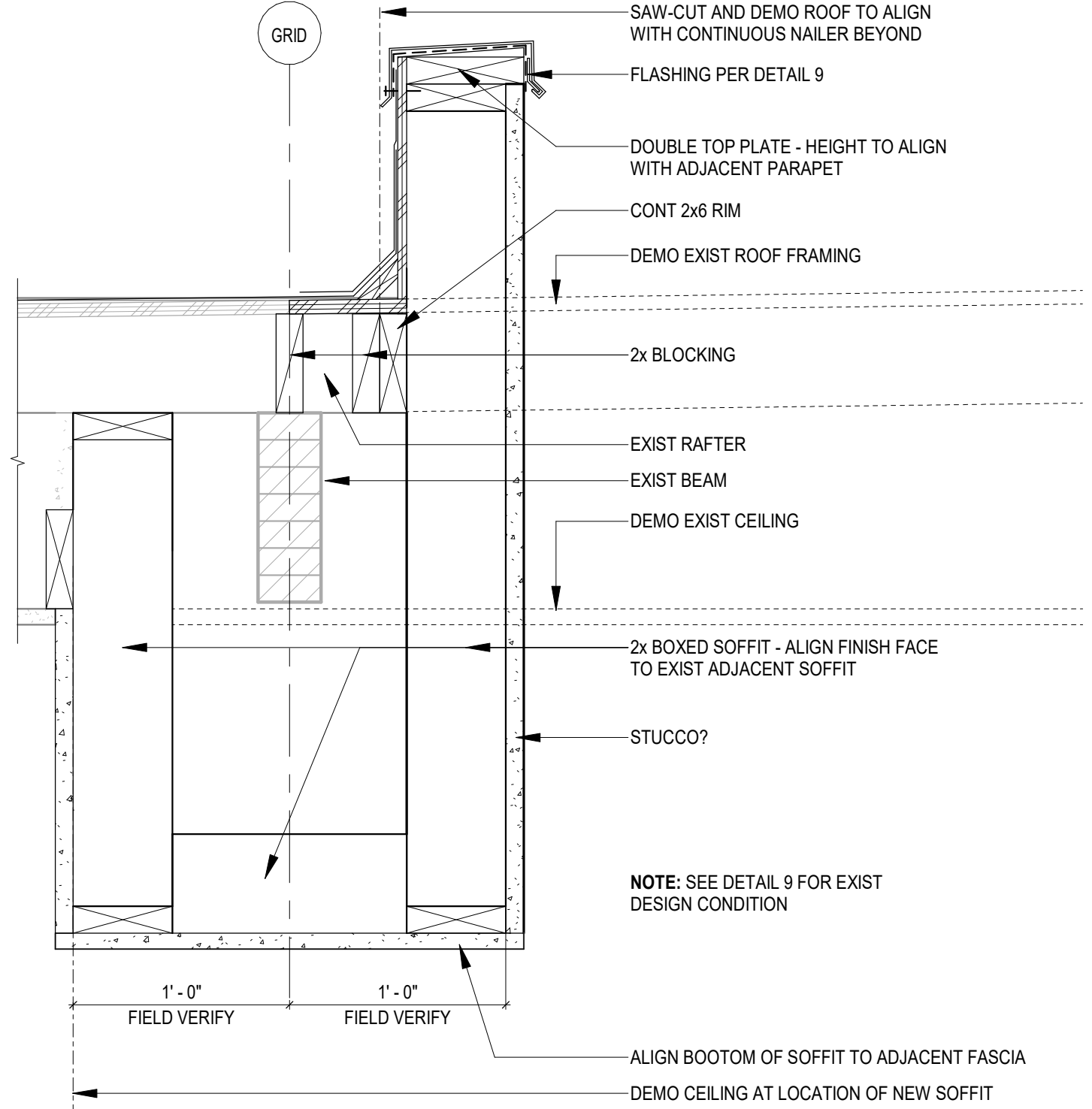
7 SLOPE / FLAT TRANSITION  
1 1/2" = 1'-0"



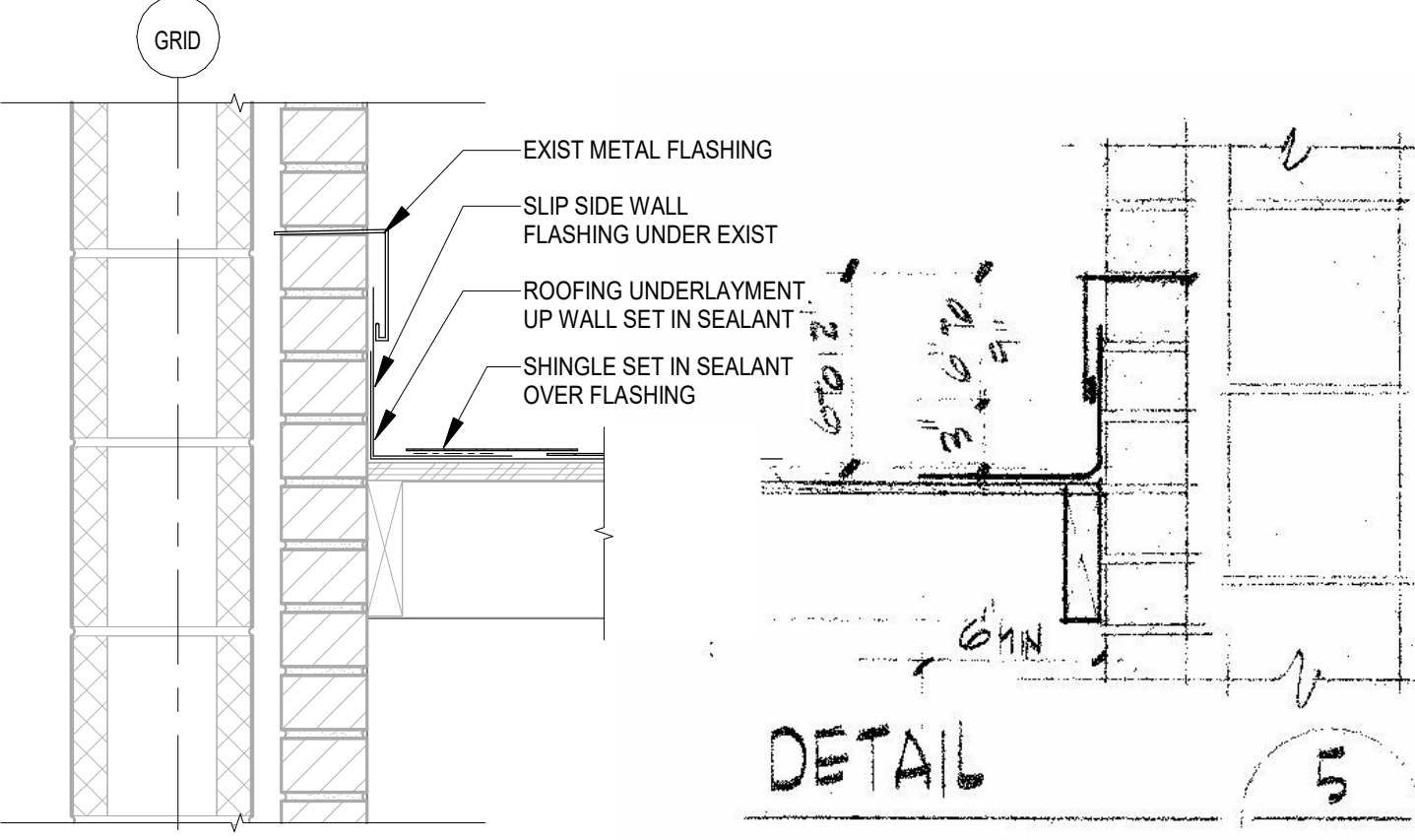
3 PARAPET - HIGH @ SLOPE  
1 1/2" = 1'-0"



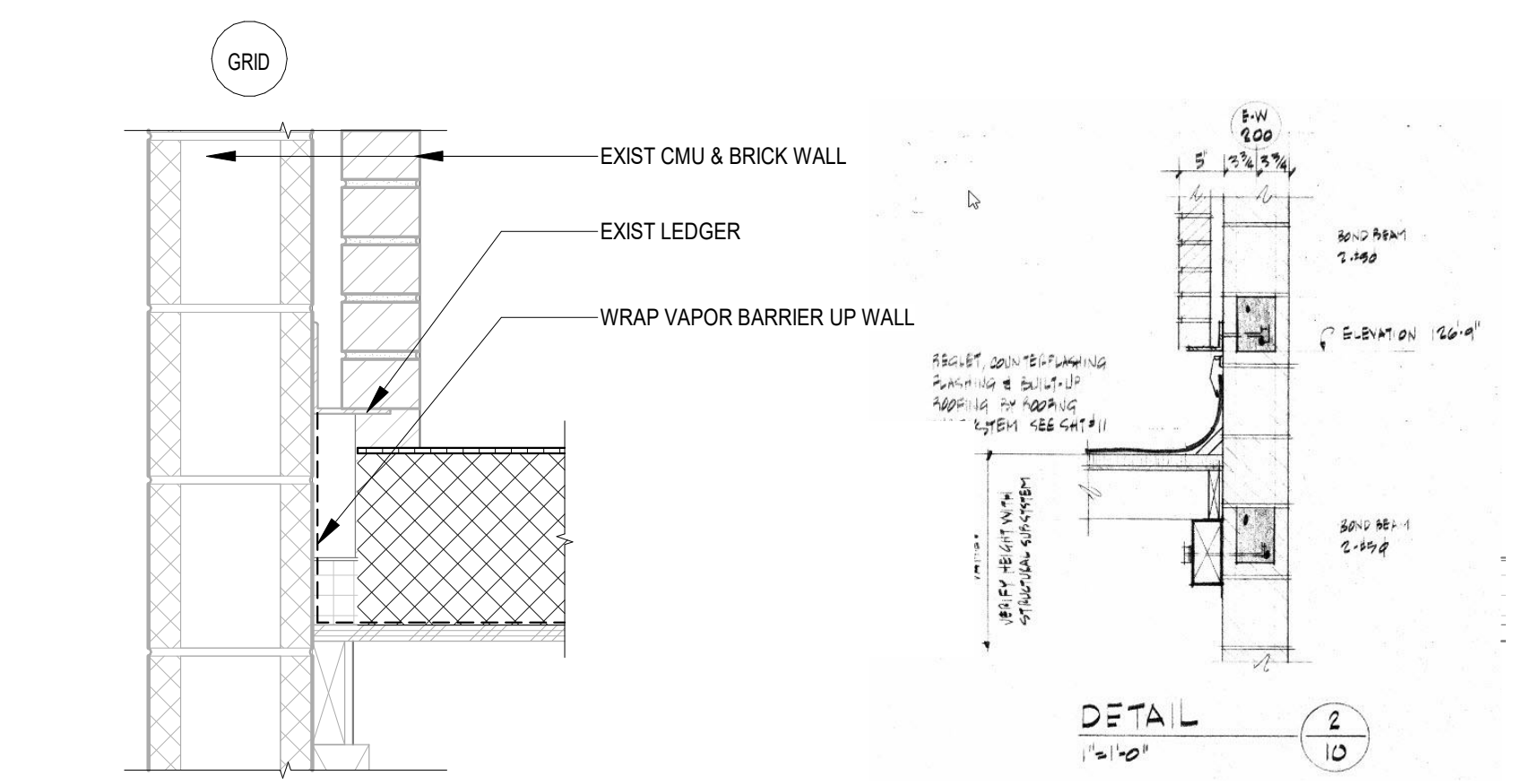
14 MECH CURB  
1 1/2" = 1'-0"



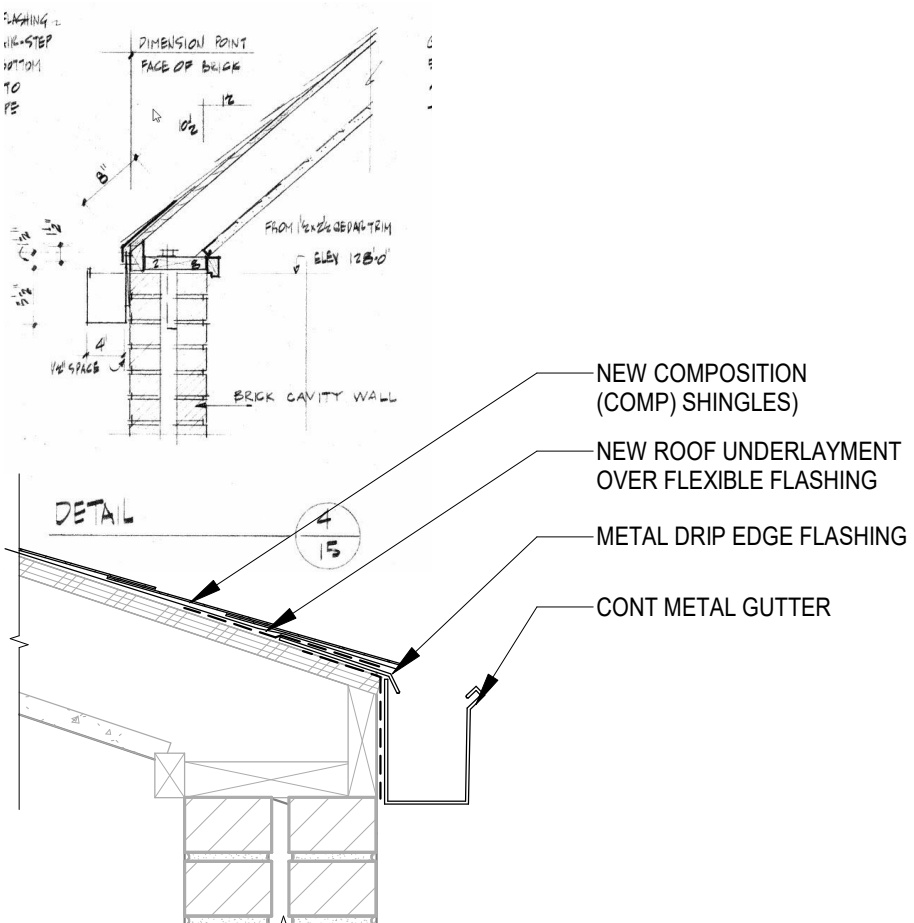
10 PARAPET - NEW  
1 1/2" = 1'-0"



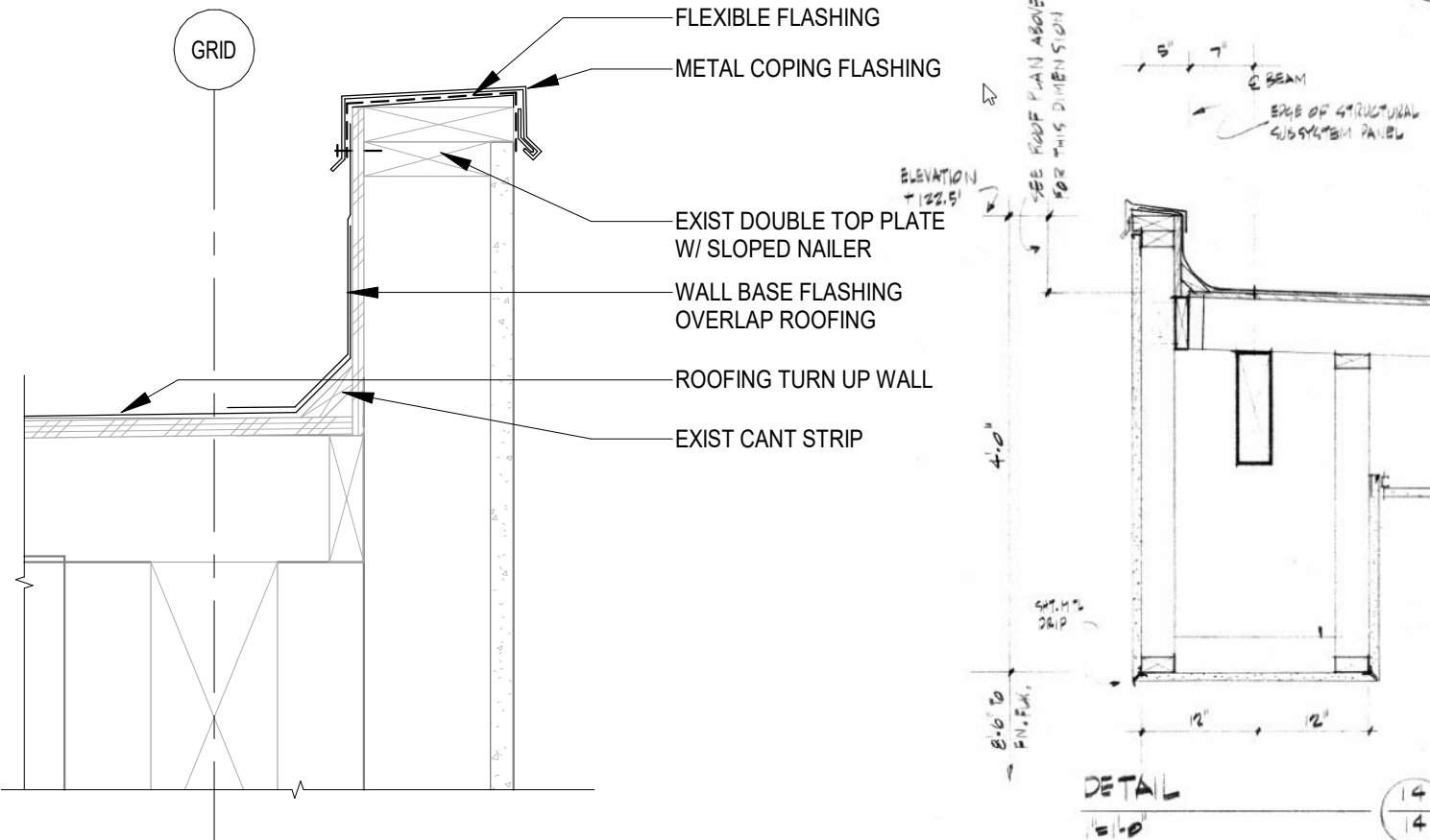
6 SHINGLE ROOF TO WALL  
1 1/2" = 1'-0"



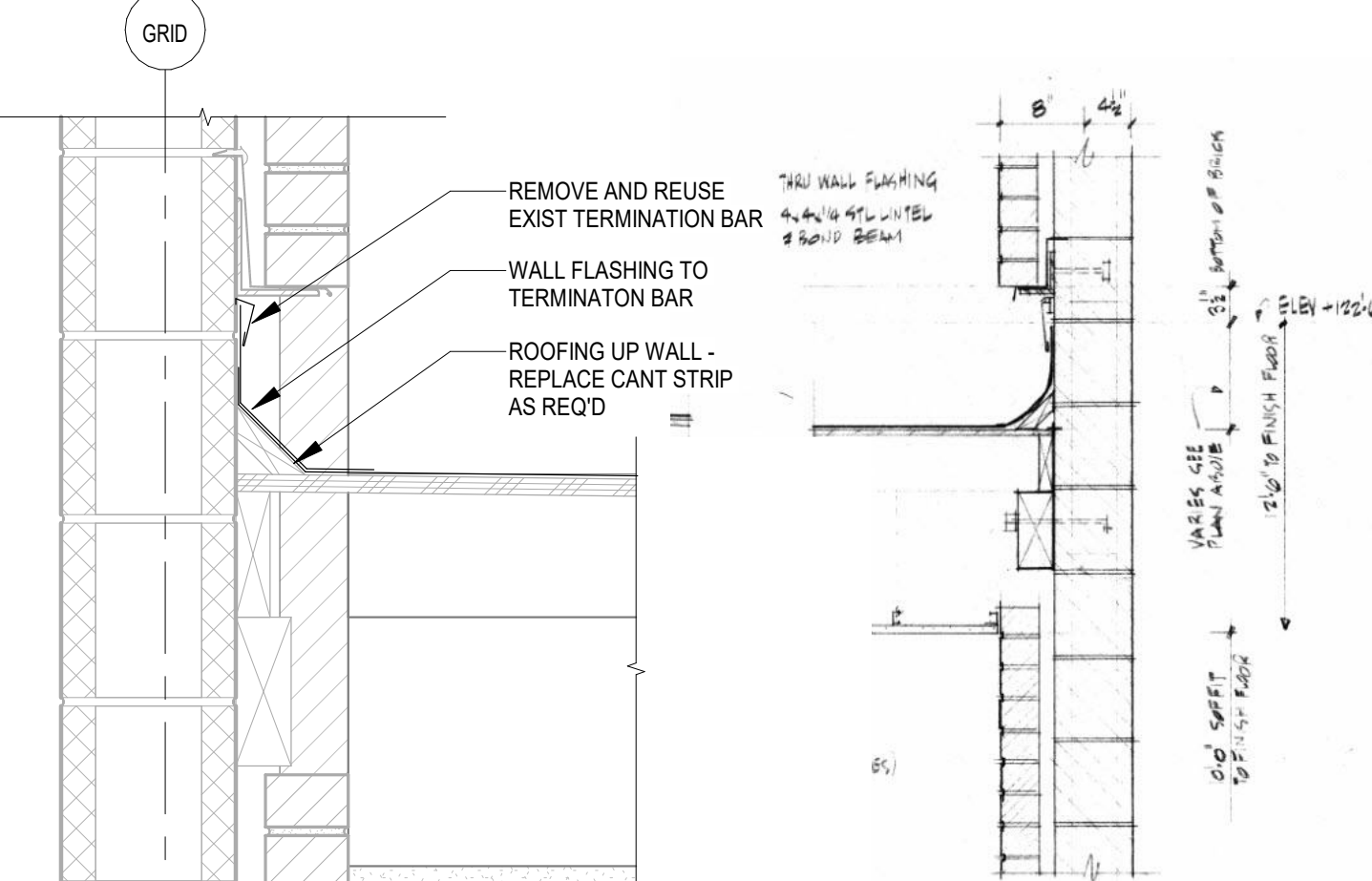
2 ROOF TO WALL  
1 1/2" = 1'-0"



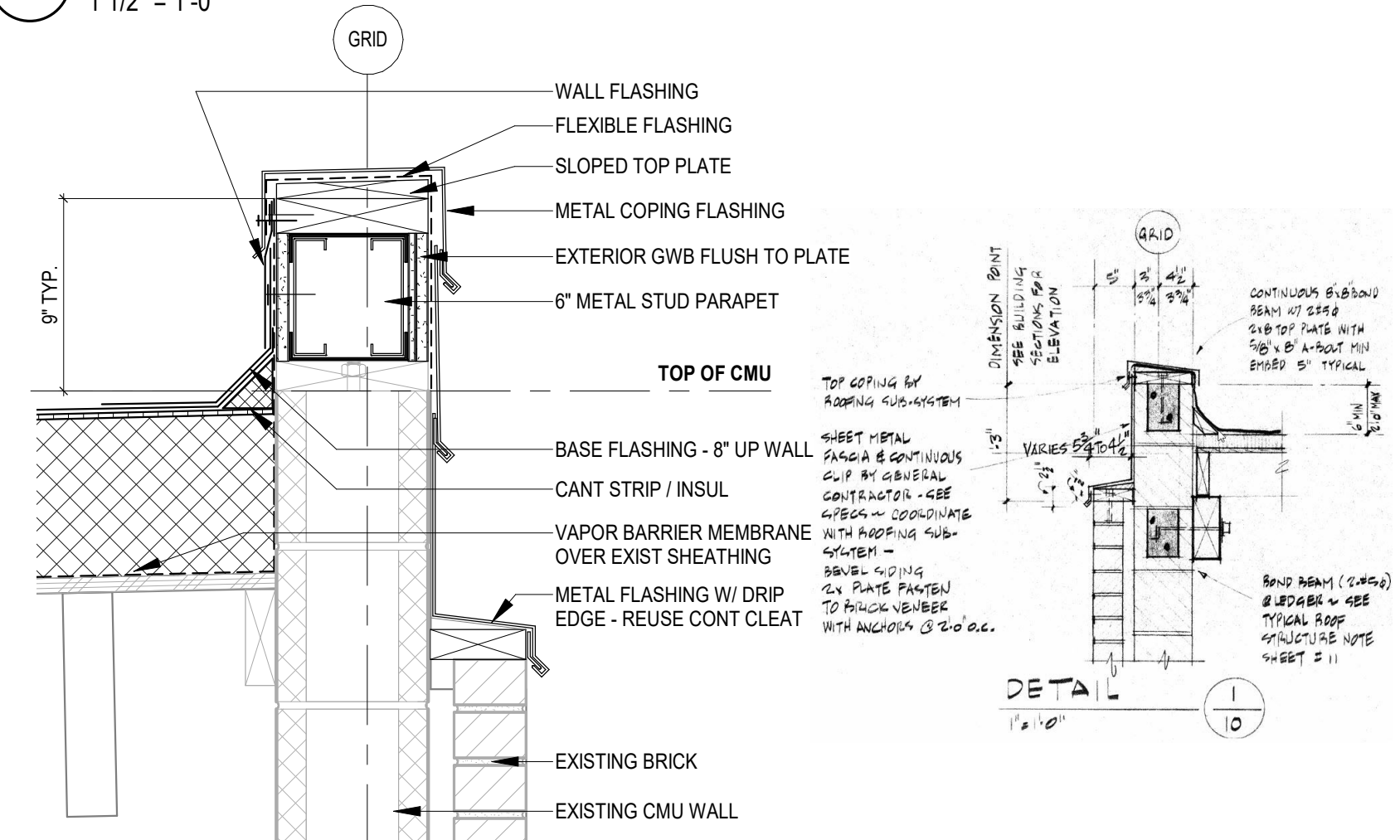
13 GUTTER  
1 1/2" = 1'-0"



9 PARAPET - UNCOND  
1 1/2" = 1'-0"



5 ROOF TO WALL - UNCOND  
1 1/2" = 1'-0"



1 PARAPET - TYP.  
1 1/2" = 1'-0"

[illegible]

## ROOF DETAILS

SHEET #

# A35.03



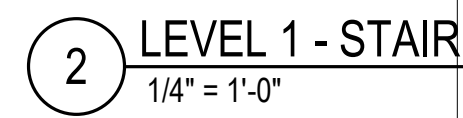
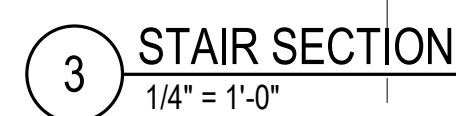
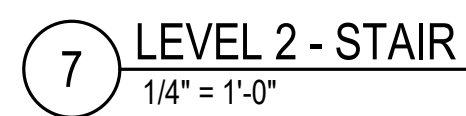
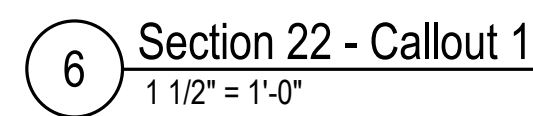
**CKSD/ KRL**  
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 SILVERDALE, WA 98383

[illegible]

## VERTICAL CIRCULATION

SHEET #

**A40.01**



**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

### REVISION SCHEDULE

## WINDOW SCHEDULE AND DETAILS

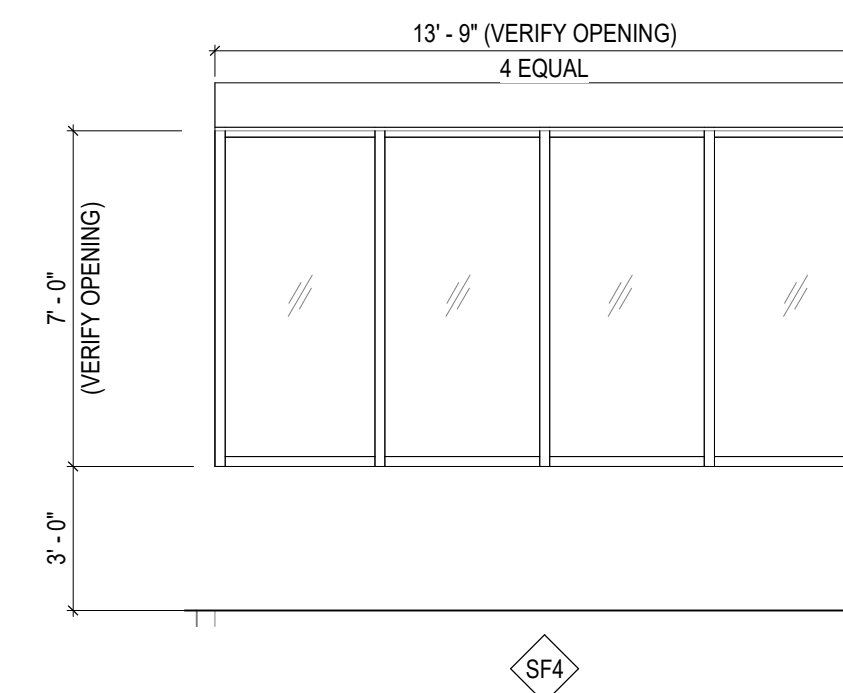
SHEET #

# A50.01

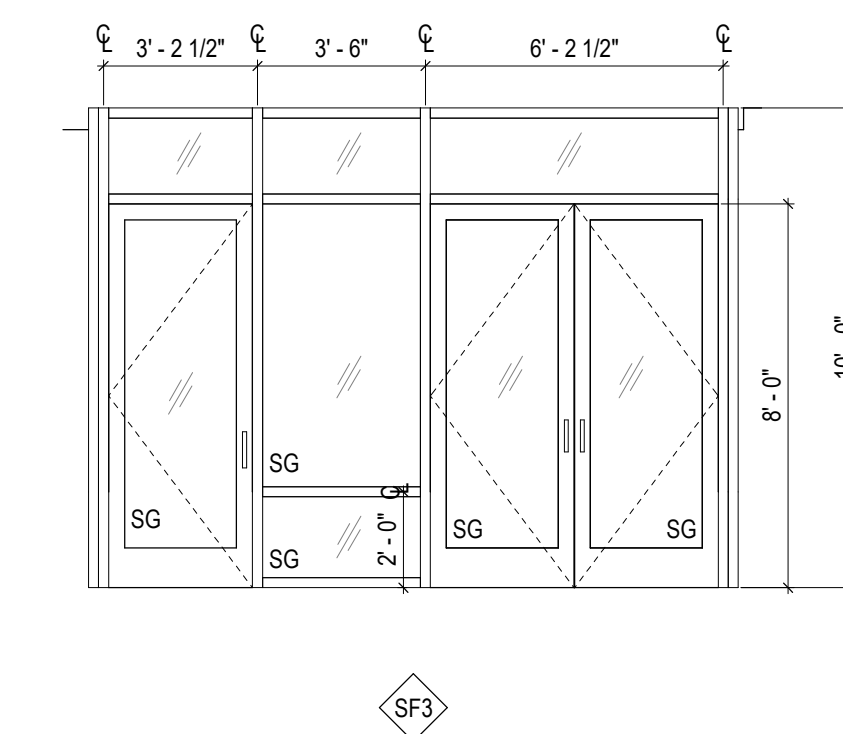
MIN SHGC -	0.40
MAX U-FACTOR -	0.48

MIN SHGC -	0.40
MAX U-FACTOR -	0.56

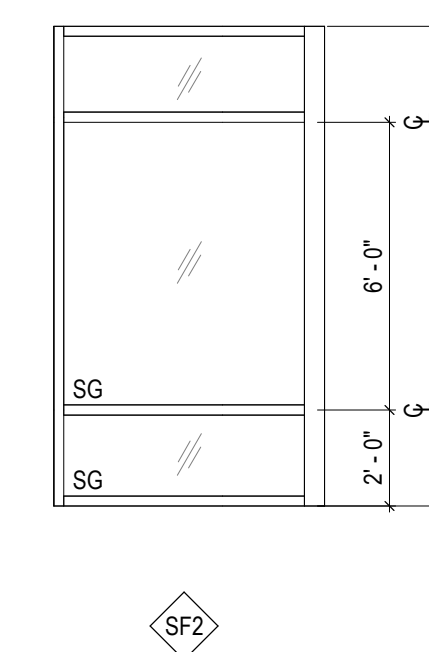
MIN SHGC -	0.50
MAX U-FACTOR -	0.62



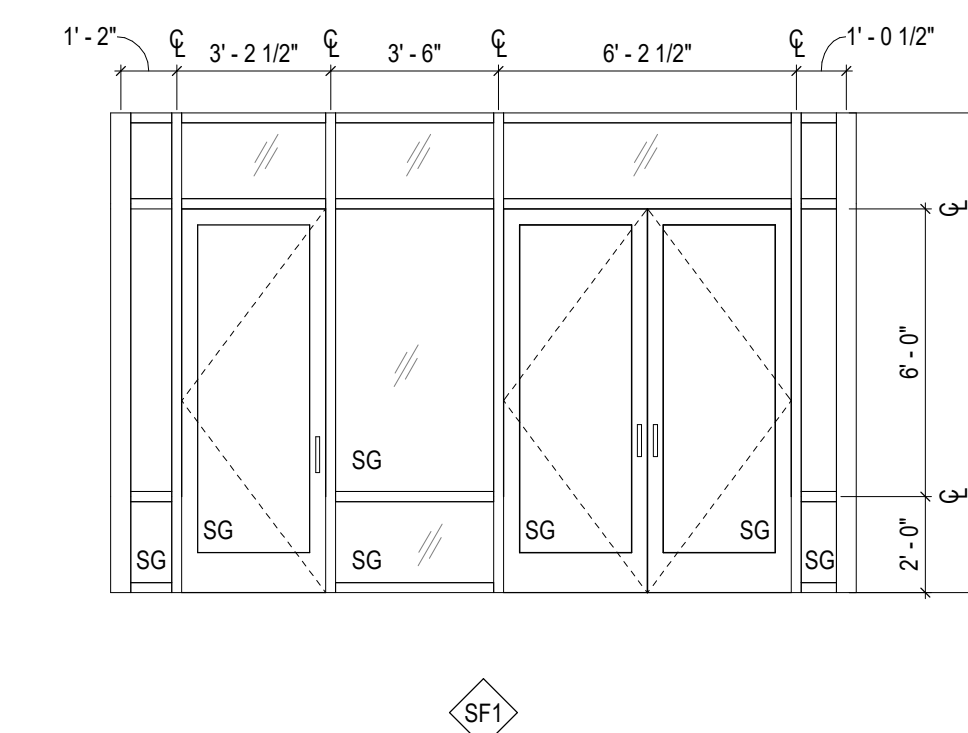
④ SF4  
1/4" = 1'-0"



3 SF3  
1/4" = 1'-0"

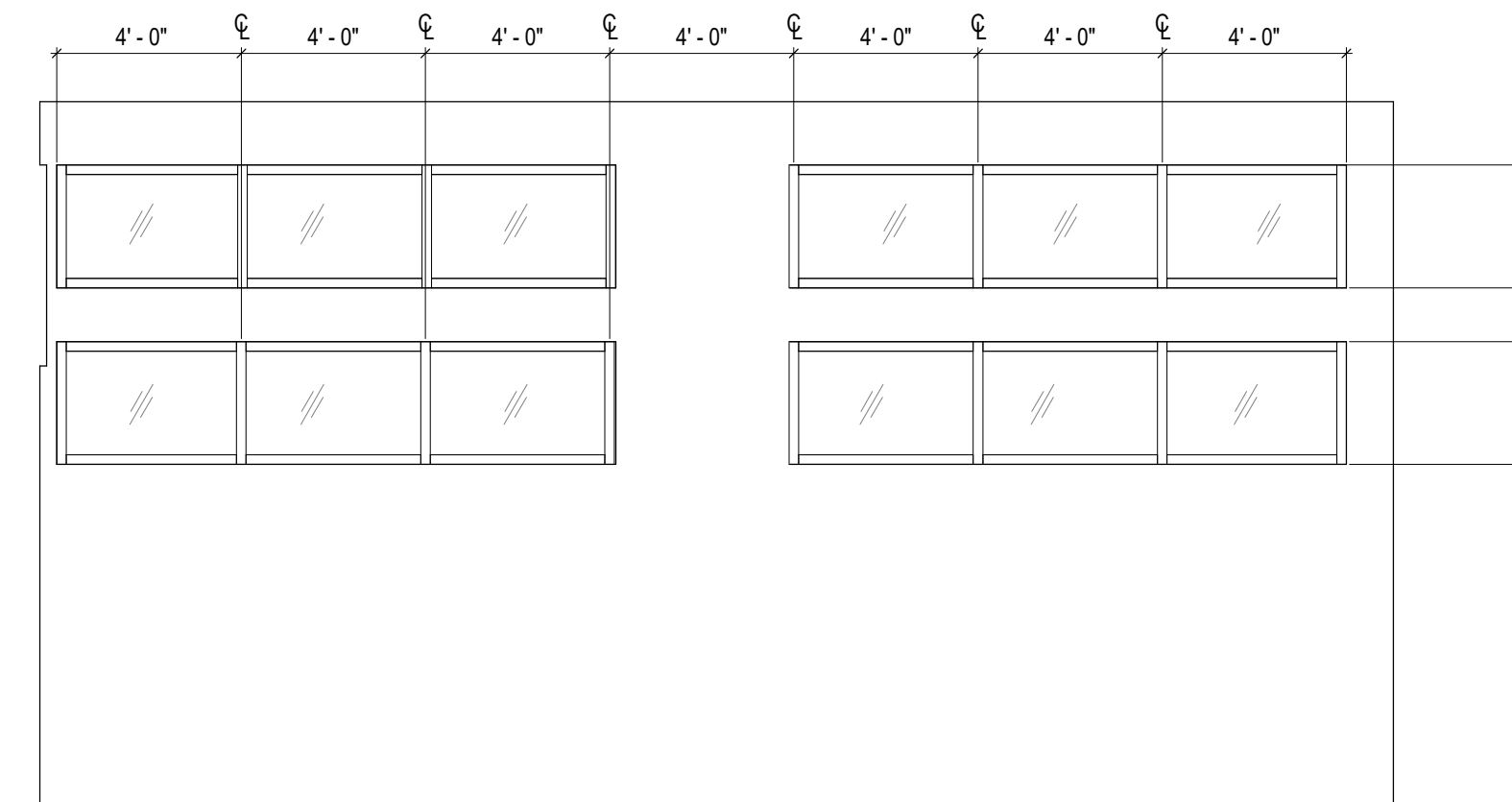


②  $\frac{SF2}{1/4" = 1'-0"}$

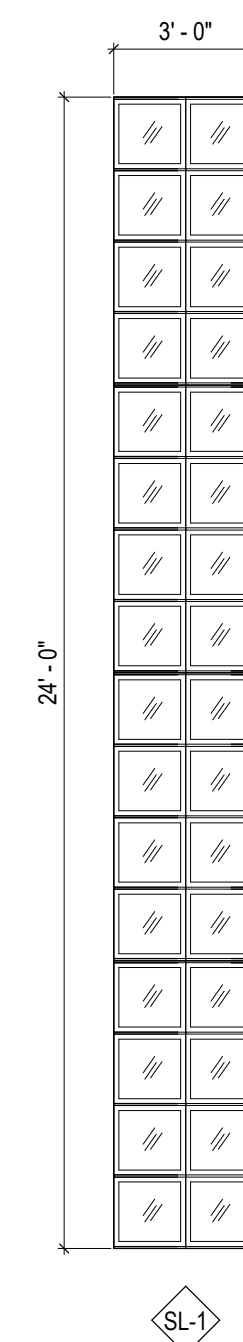


① SF1  
1/4" = 1'-0"

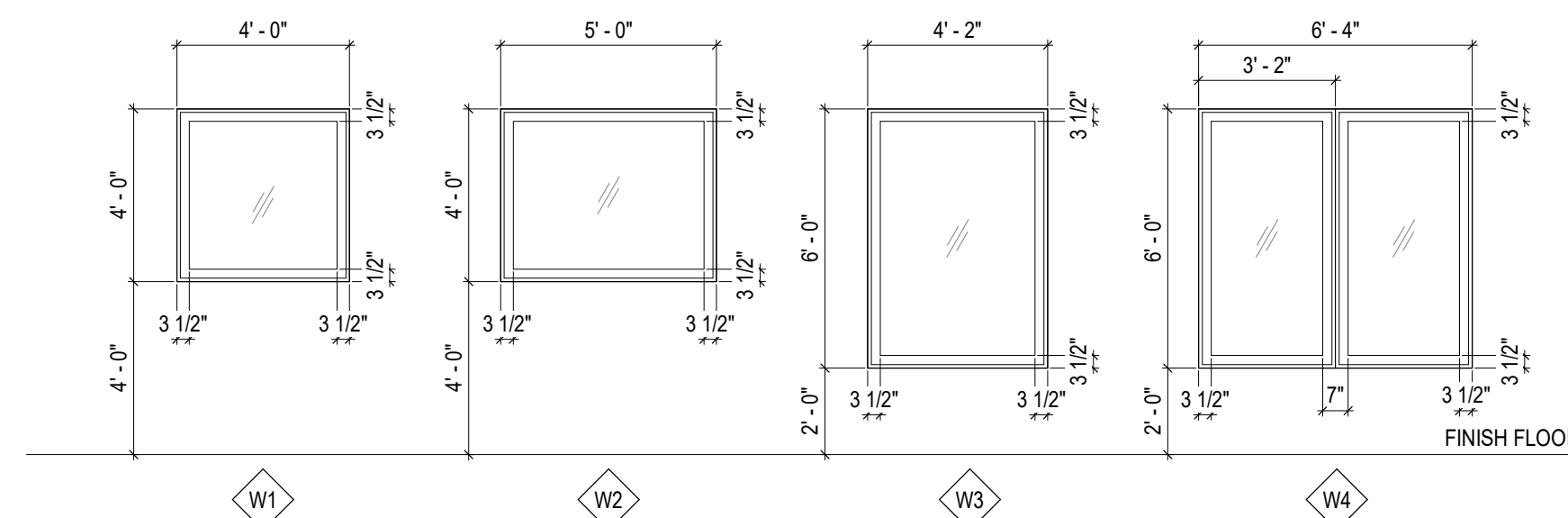
Refer to updated/ stamped approved  
page A50.01. KW 6/23/2020



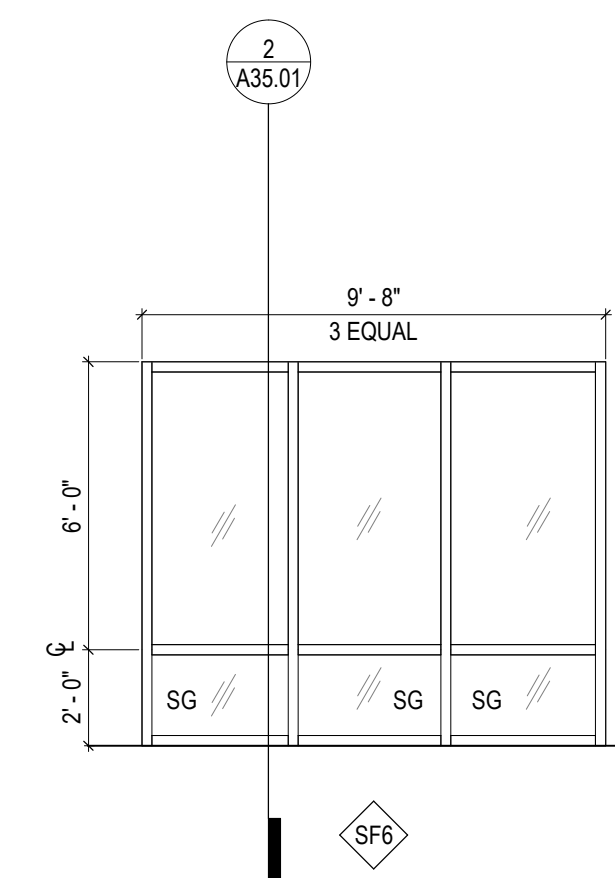
7 RL2  
1/4" = 1'-0"



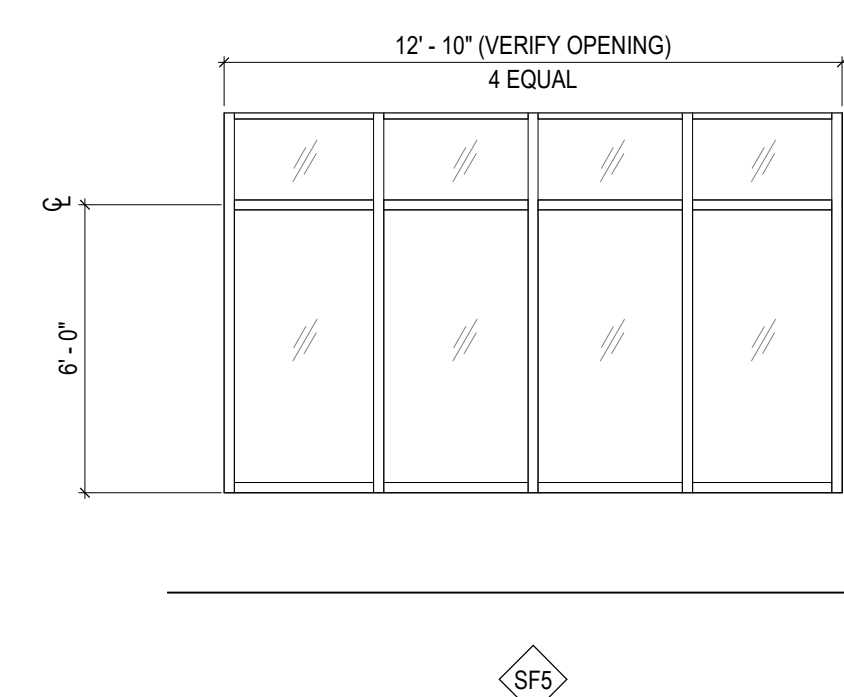
## 9 SKYLIGHT SCHEDULE



## 8 WINDOW SCHEDULE



6 SF6  
1/4" = 1'-0"



5 SF5  
1/4" = 1'-0"

Permit Number: 19-05911

Refer to updated/  
stamped approved page  
A60.01. KW 6/23/2020



**RICE***fergus***MILLER**  
ARCHITECTURE INTERIORS PLANNING VIZLAB

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BREMERTON, WA 98337  
360-377-8773  
RFMARCH.COM

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4419

REGISTERED  
ARCHITECT

STEVEN M. RICE  
STATE OF WASHINGTON

**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
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 SILVERDALE, WA 98383

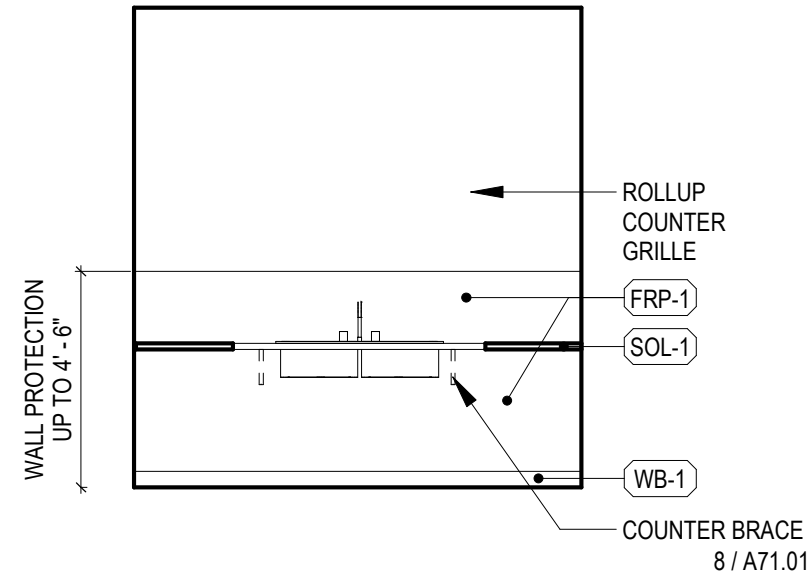
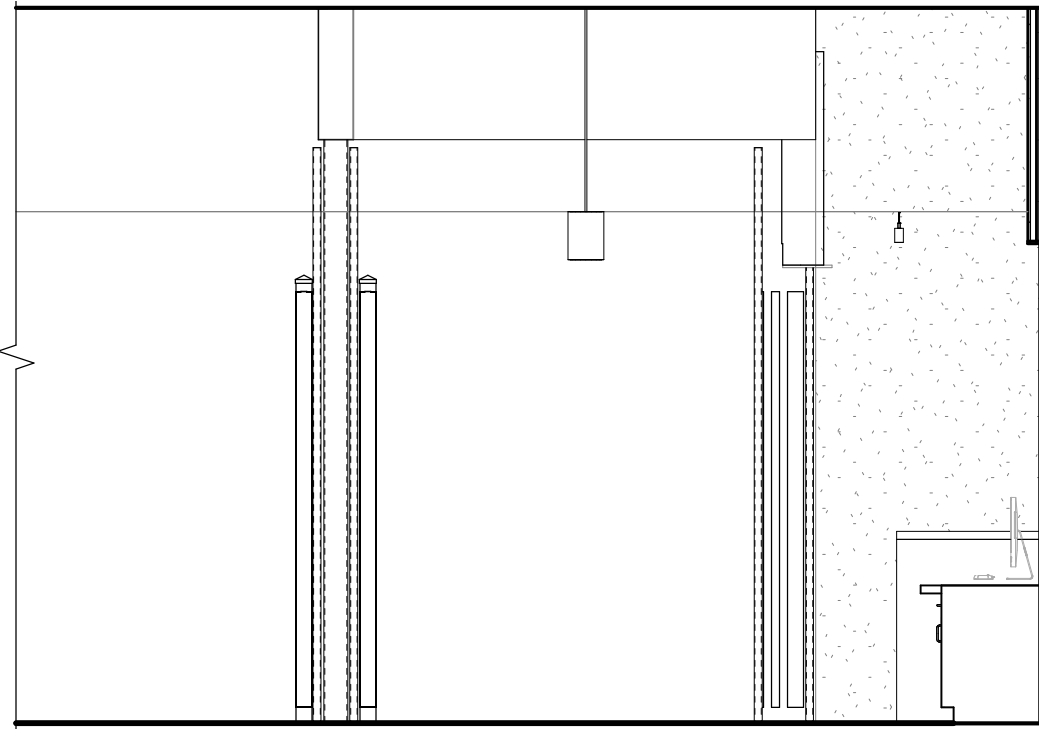
# OPENING SCHEDULE AND DETAILS

SHEET #

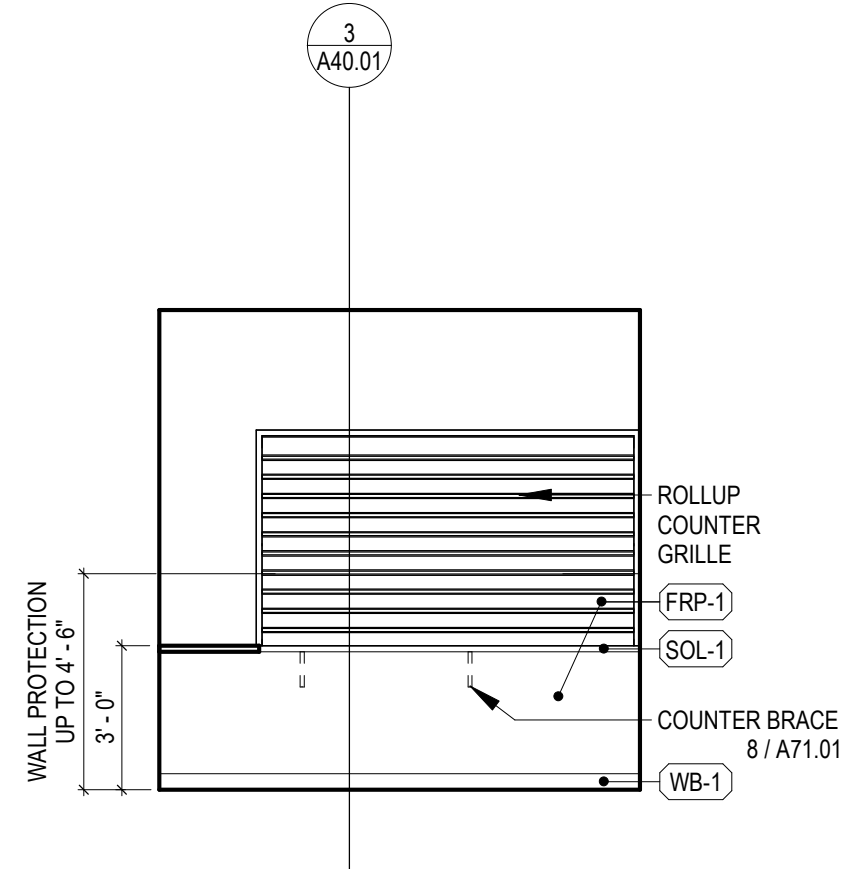
# A60.01

THE FOLLOWING TOILET ACCESSORIES WILL BE OWNER FURNISHED/ CONTRACTOR INSTALLED:  
PAPER TOWEL DISPENSER, SEAT COVER DISPENSER, SANITARY NAPLINDISPENSER, AND SOAP  
DISPENSER.

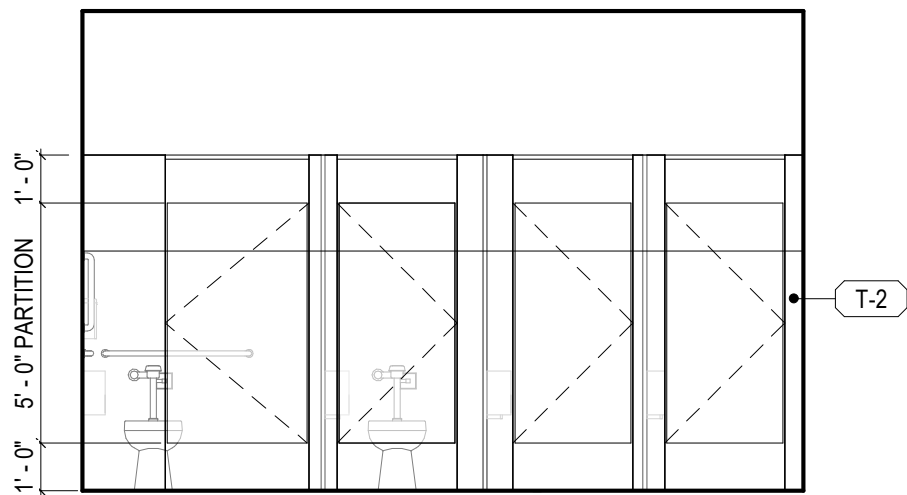
CEILING ELEMENTS IN ELEVATIONS ARE FOR GRAPHIC REPRESENTATION ONLY. SEE REFLECTED  
CEILING PLANS FOR ACTUAL LOCATIONS AND EXTENTS.



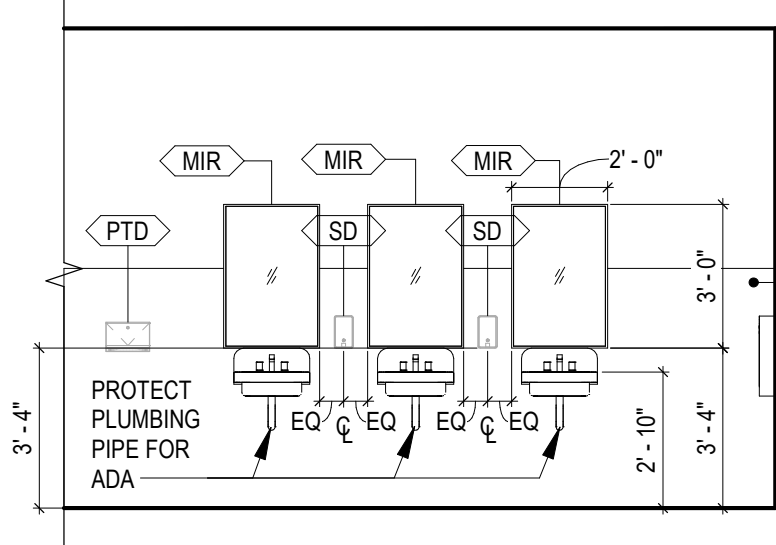
20 CAFE 122 - W  
1/4" = 1'-0"



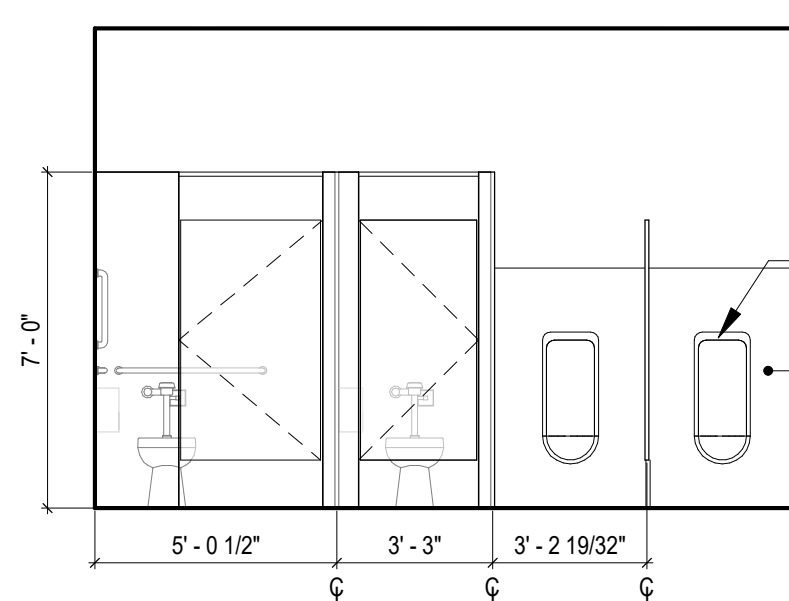
18 CAFE 122 - N  
1/4" = 1'-0"



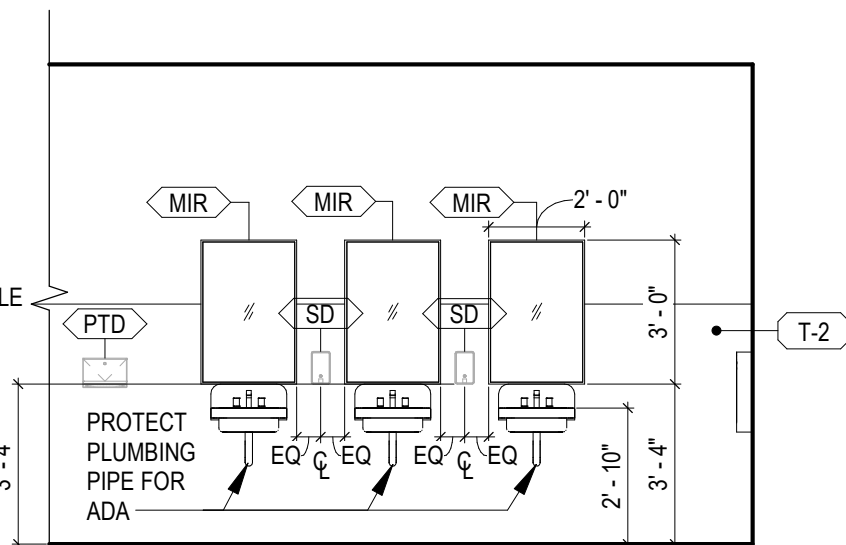
17 MEN 103 - W  
1/4" = 1'-0"



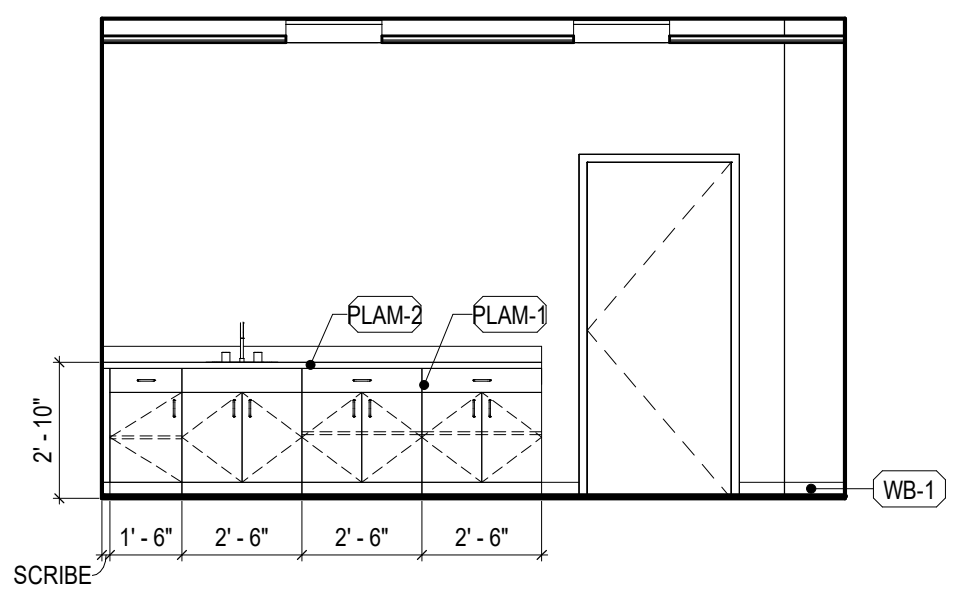
16 MEN 103 - E  
1/4" = 1'-0"



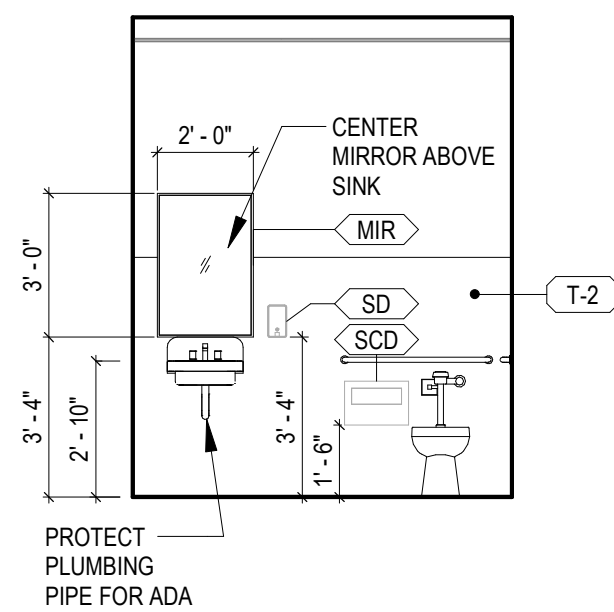
15 WOMEN 105 - W  
1/4" = 1'-0"



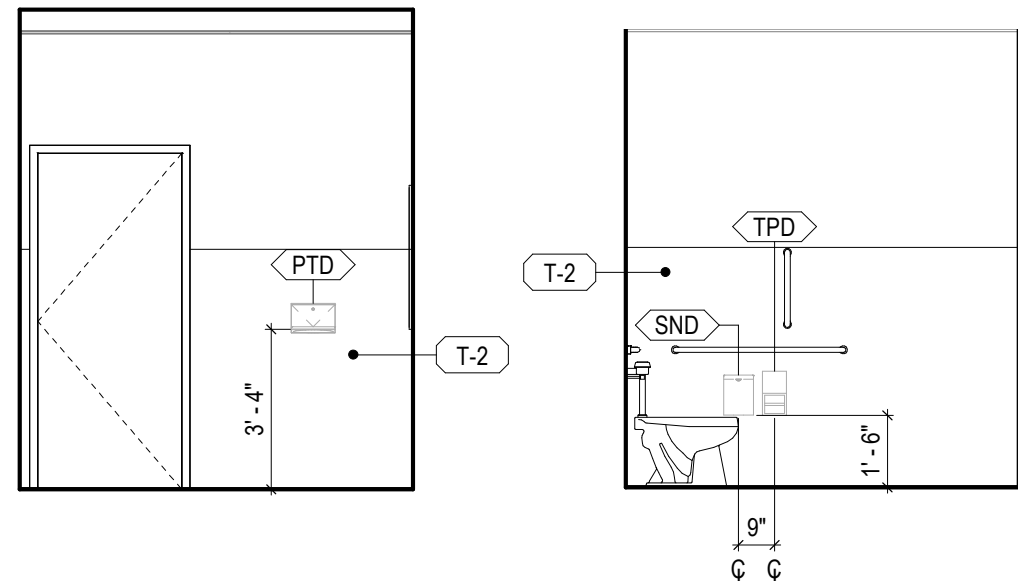
14 WOMEN 105 - E  
1/4" = 1'-0"



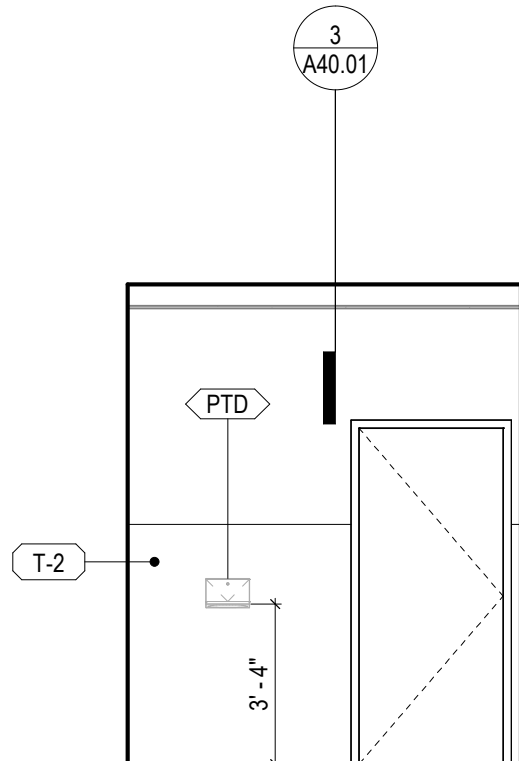
13 WORKROOM B104 - EAST  
1/4" = 1'-0"



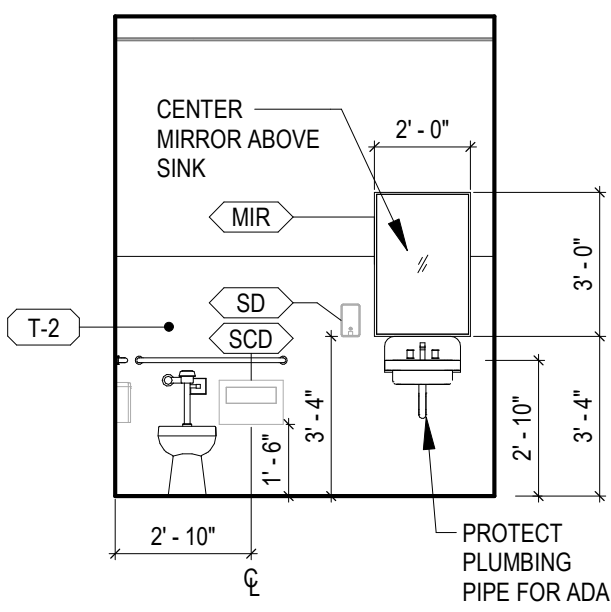
12 RESTROOM B106 - W  
1/4" = 1'-0"



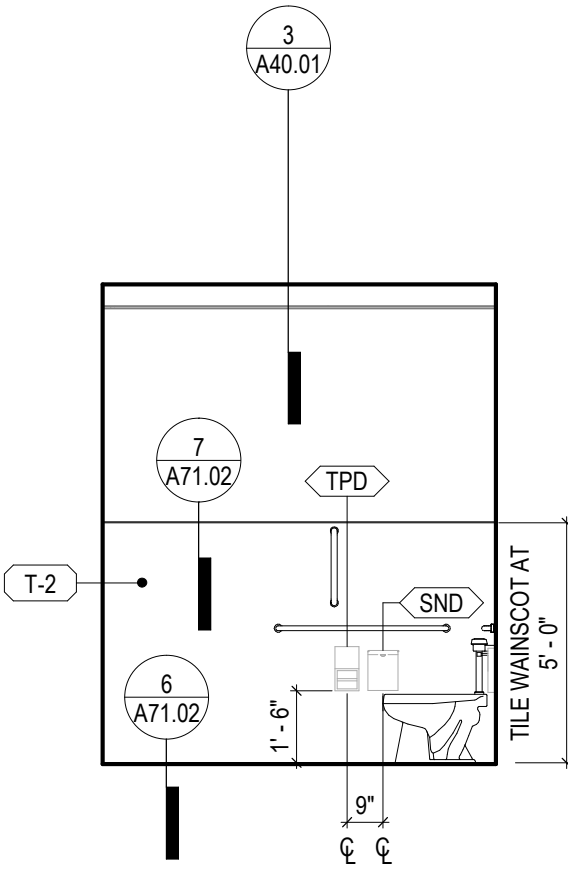
11 RESTROOM B106 - S  
1/4" = 1'-0"



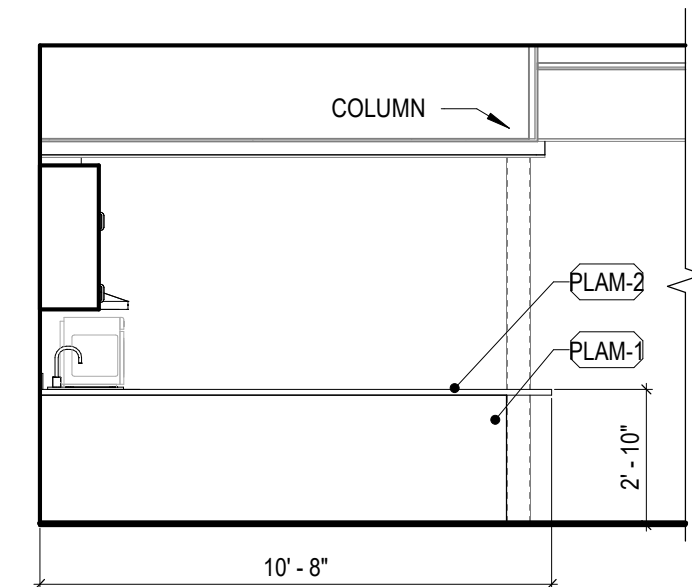
9 RESTROOM B105 - S  
1/4" = 1'-0"



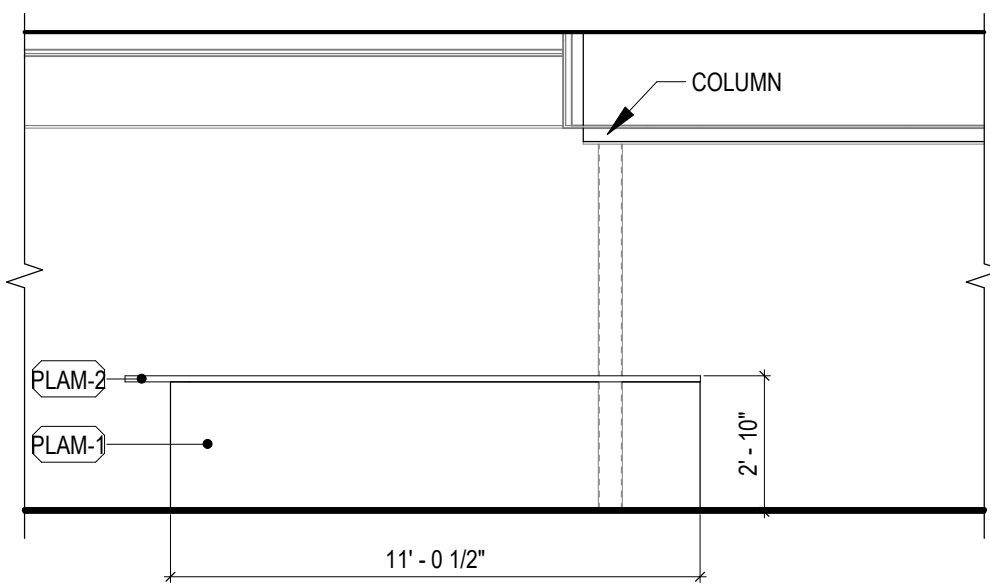
8 RESTROOM B105 - E  
1/4" = 1'-0"



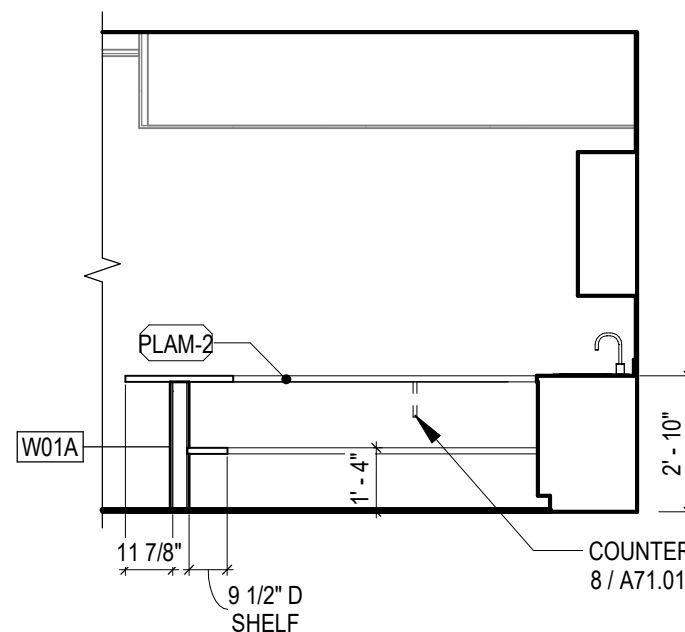
7 RESTROOM B105 - N  
1/4" = 1'-0"



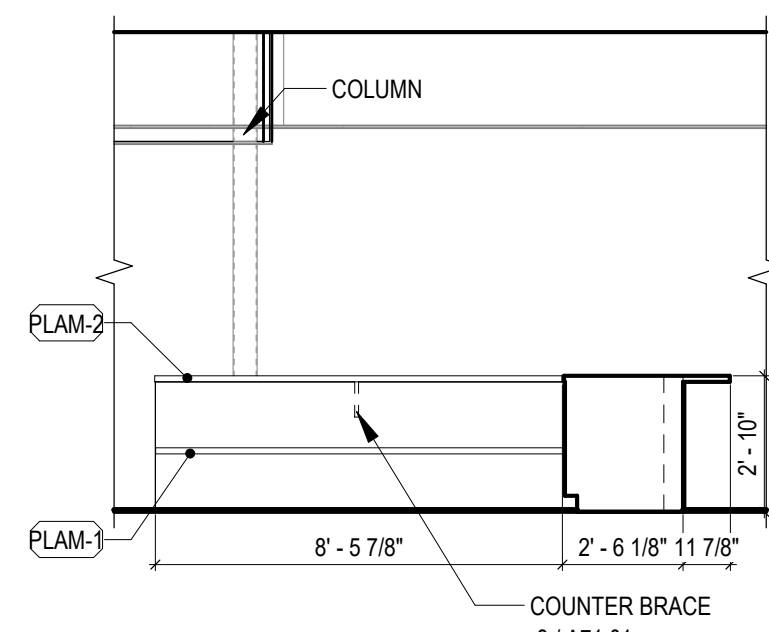
6 CLASSROOM B111 - E  
1/4" = 1'-0"



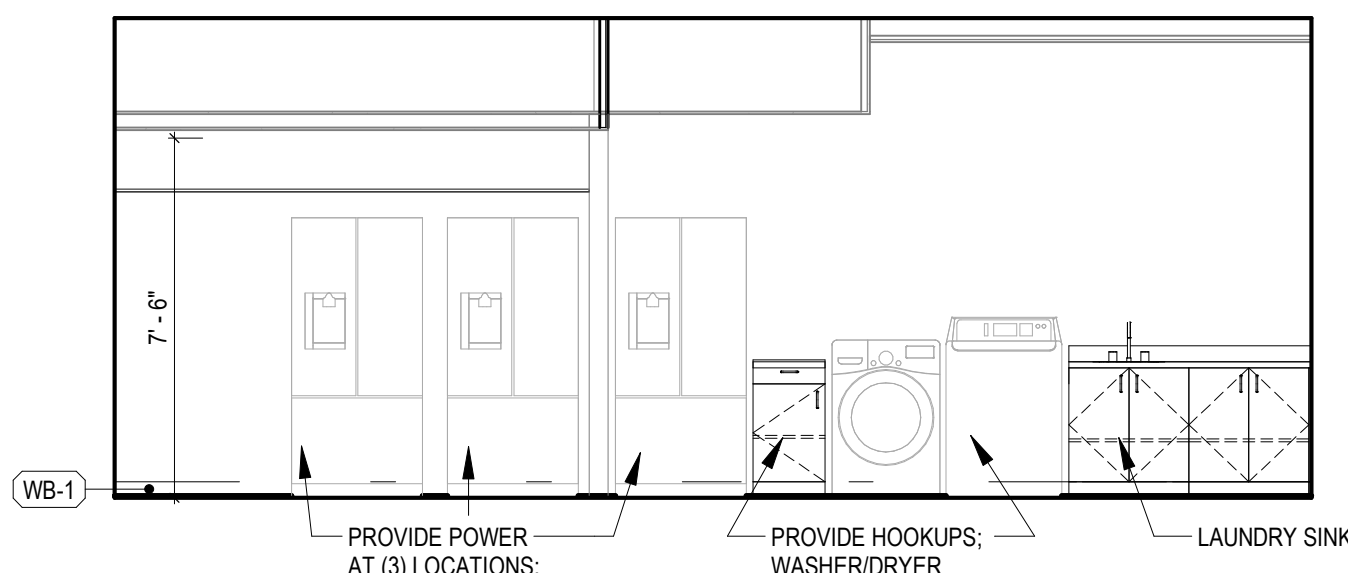
5 CLASSROOM B111 - N  
1/4" = 1'-0"



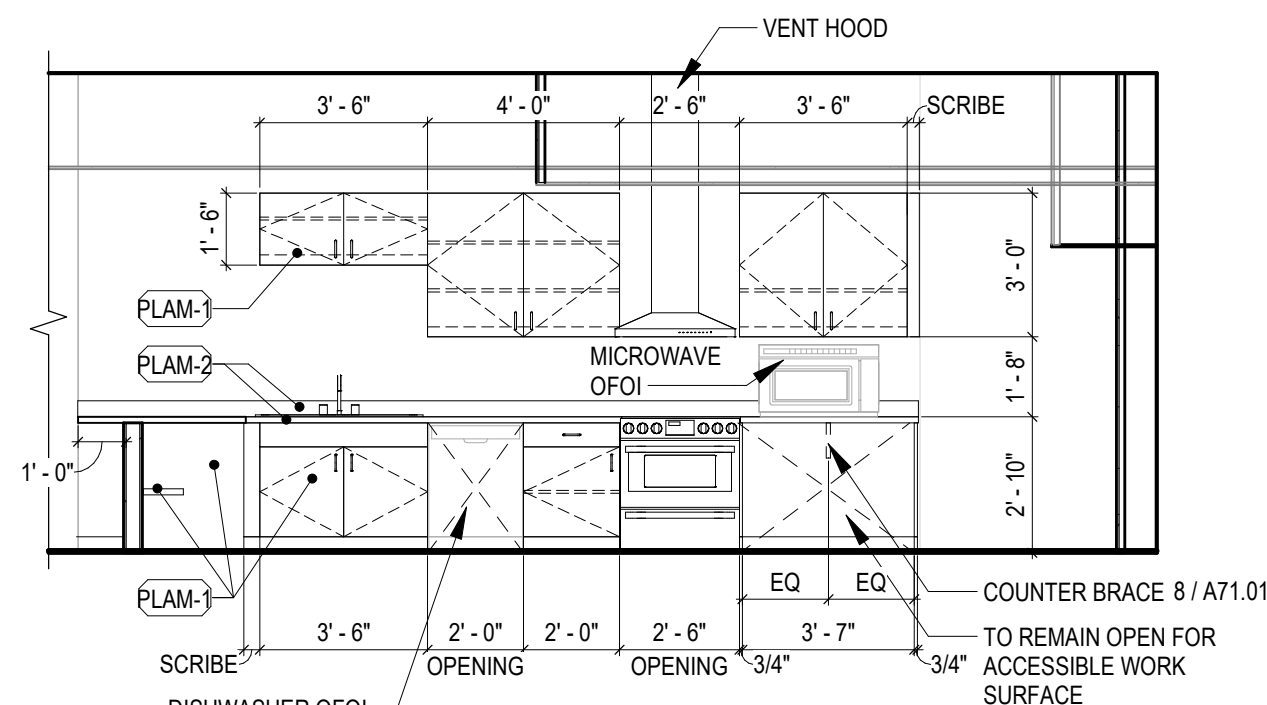
4 LITE HOUSE KITCHEN - W  
1/4" = 1'-0"



3 LITE HOUSE KITCHEN - S  
1/4" = 1'-0"



2 LITE HOUSE KITCHEN - E  
1/4" = 1'-0"



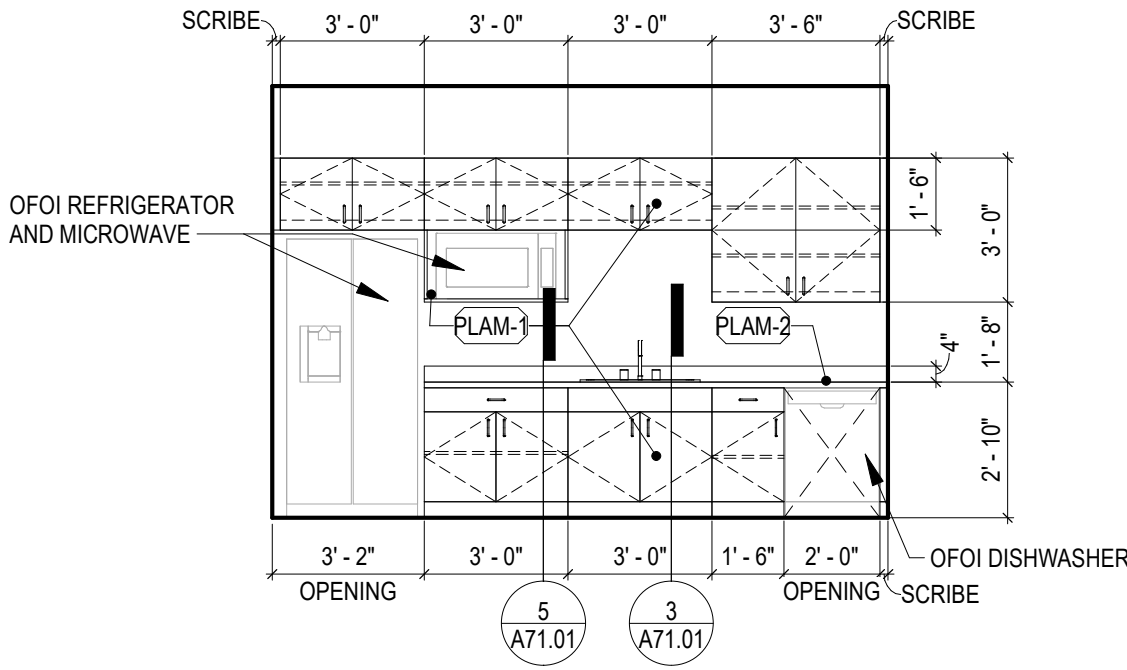
1 LITE HOUSE KITCHEN - N  
1/4" = 1'-0"

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**900 BUILDING RENOVATION**  
 3700 NW ANDERSON HILL RD  
 SILVERDALE, WA 98383

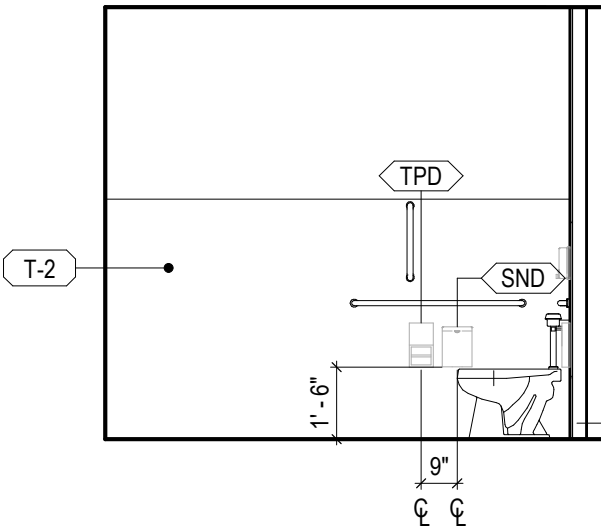
[illegible]

## INTERIOR ELEVATIONS

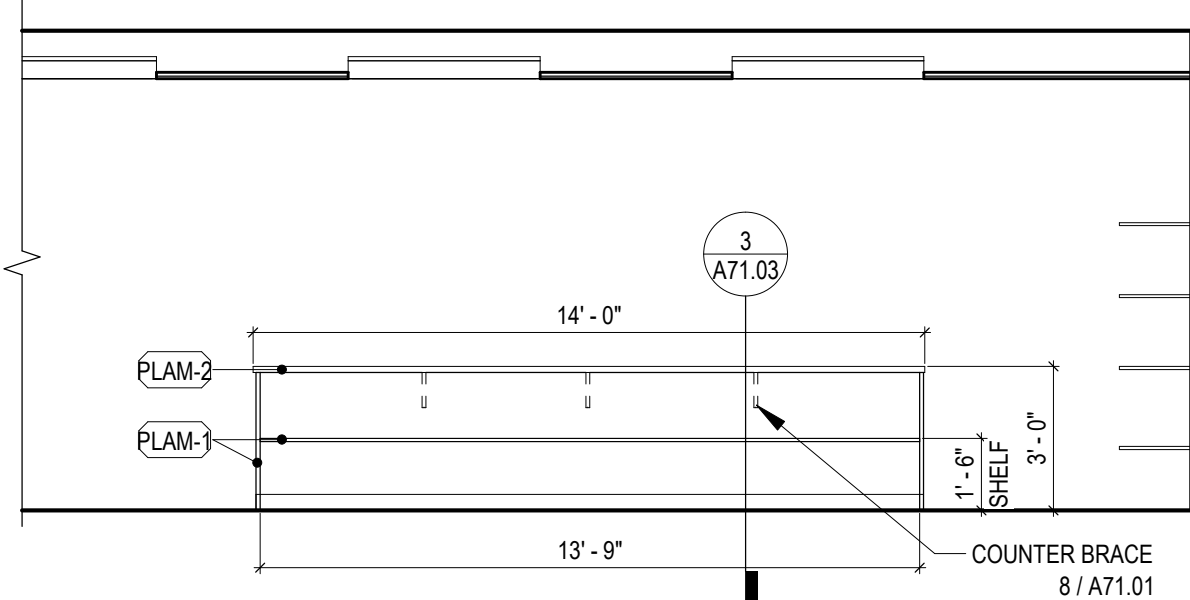
# A70.01



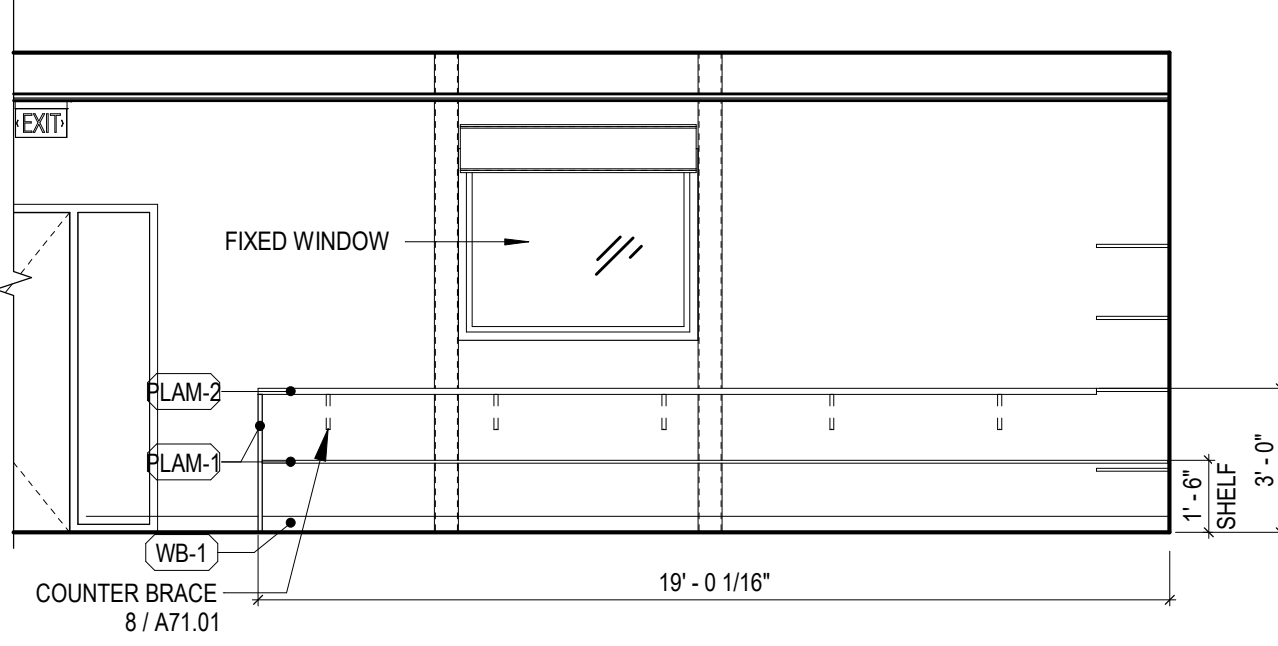
15 BREAK ROOM 135 - N  
1/4" = 1'-0"



12 RESTROOM 128 - N  
1/4" = 1'-0"



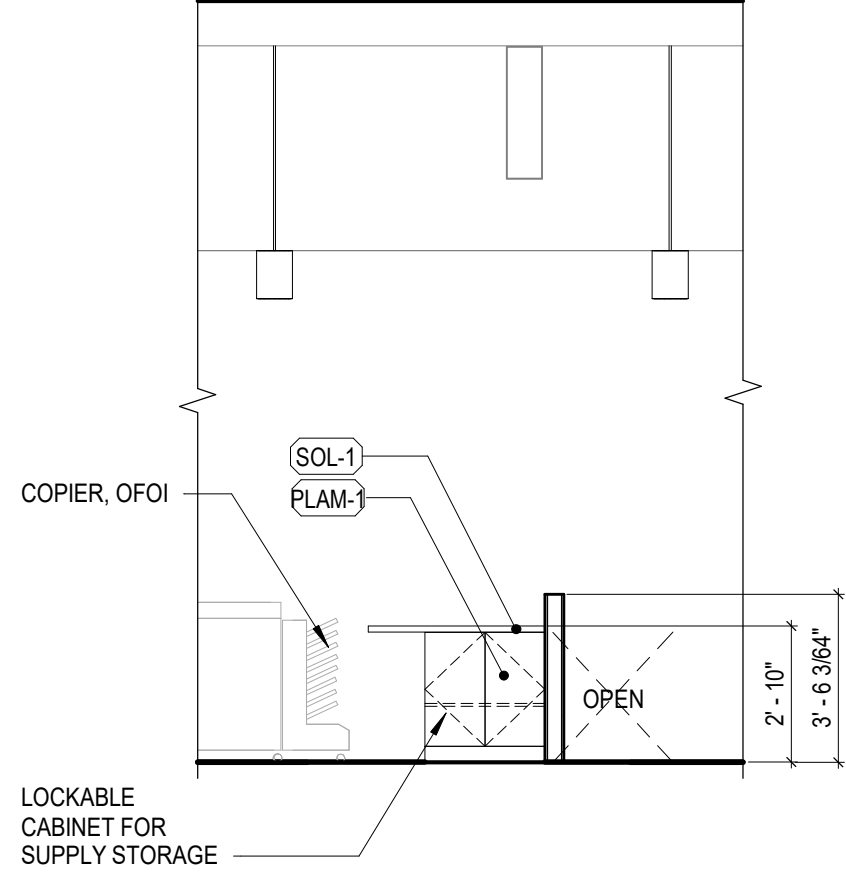
10 LOUD WORK 125 ISLAND - E  
1/4" = 1'-0"



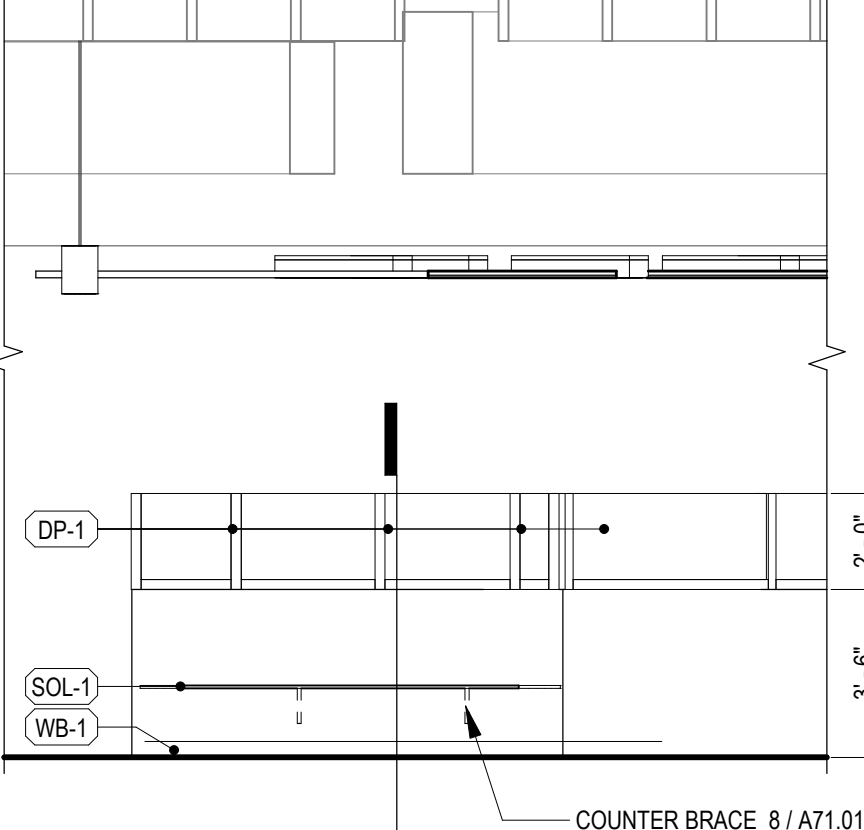
8 LOUD WORK 125 - E  
1/4" = 1'-0"



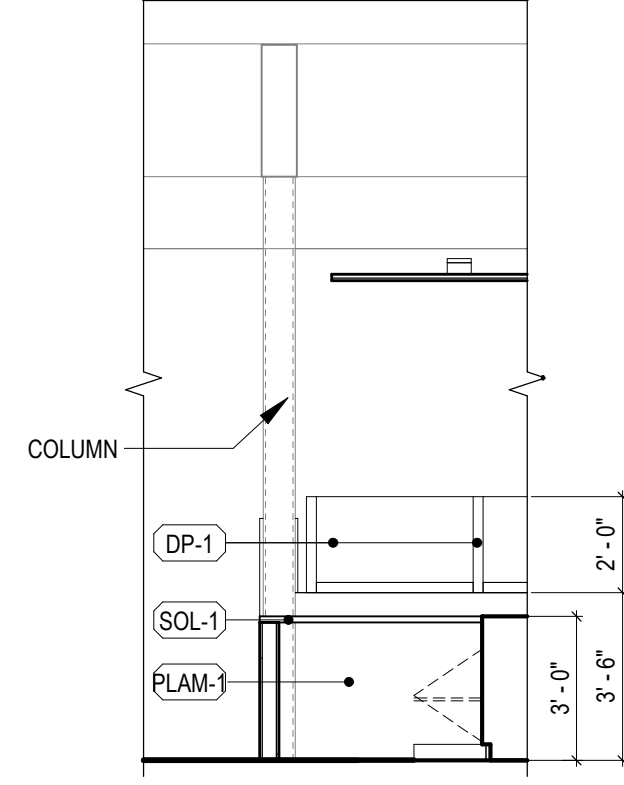
7 KRL STUDY ROOMS  
1/4" = 1'-0"



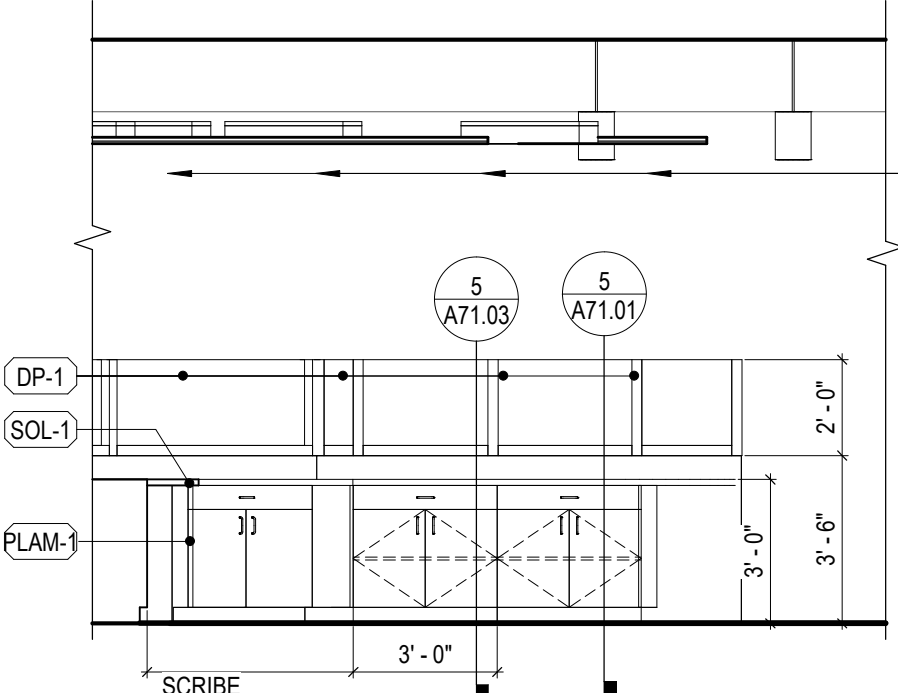
6 PRINT/COPY  
1/4" = 1'-0"



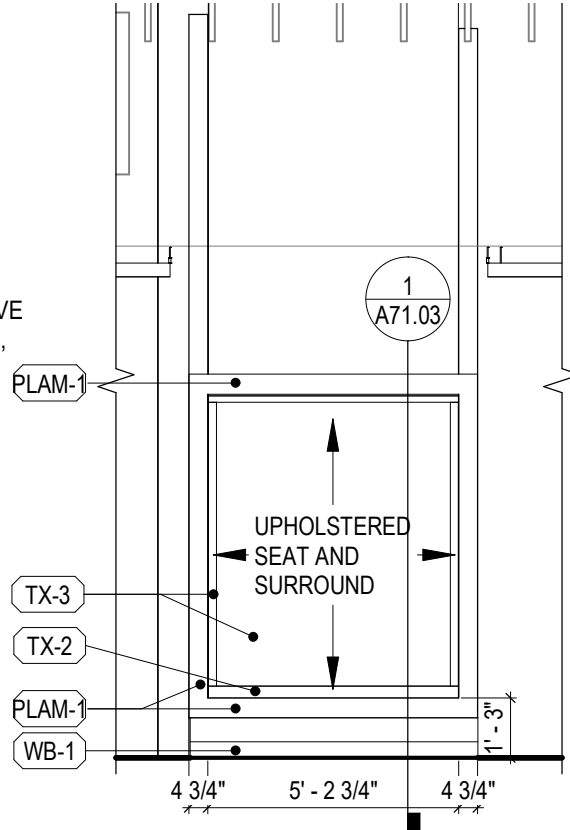
4 YOUTH TECH - SOUTHWEST  
1/4" = 1'-0"



3 ASSIST - N  
1/4" = 1'-0"



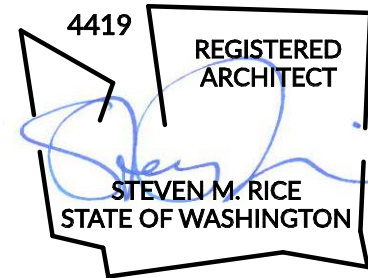
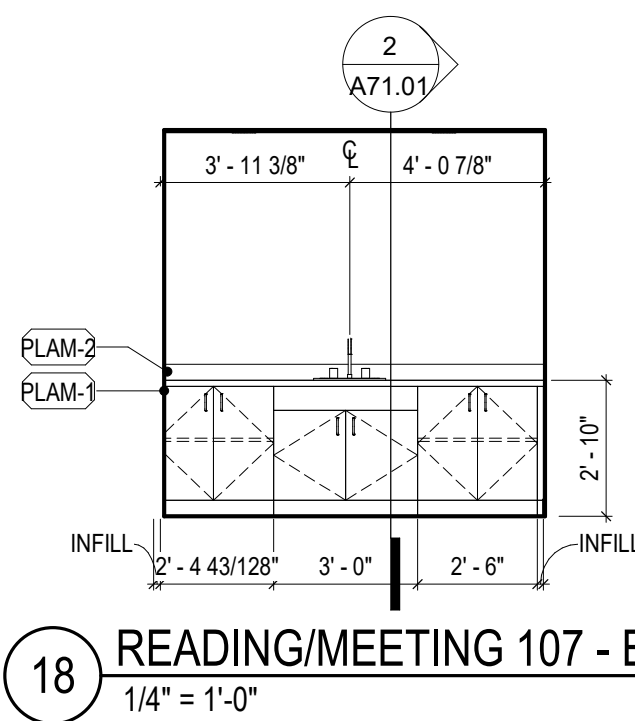
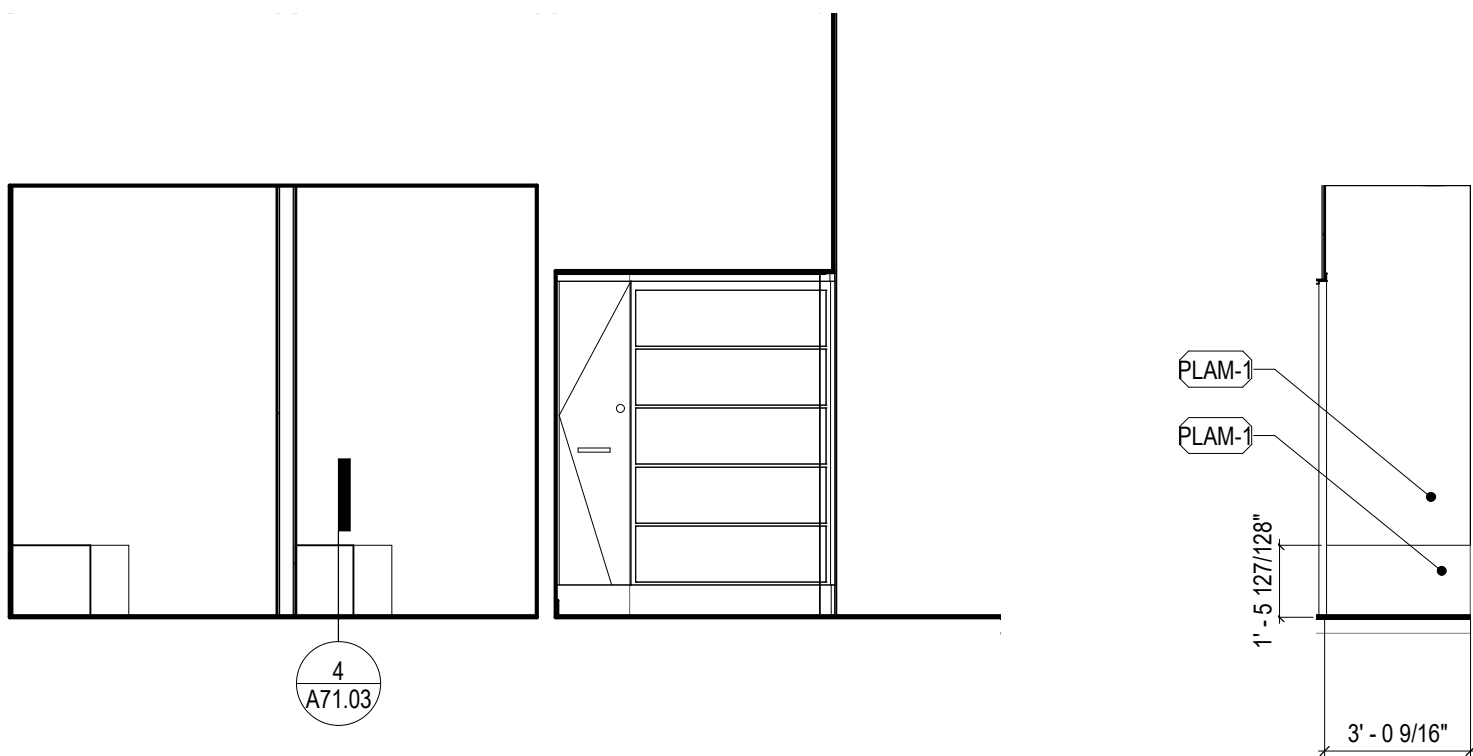
2 ASSIST - NORTHEAST  
1/4" = 1'-0"



1 BUILT IN BENCH (1 OF 2)  
1/4" = 1'-0"

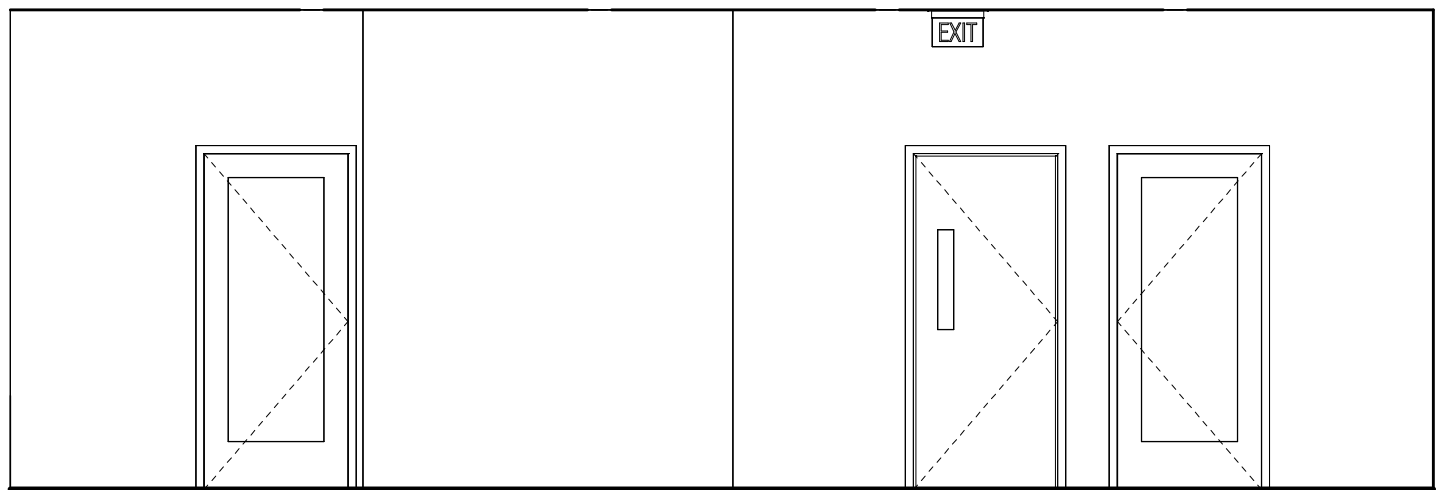
## INTERIOR ELEVATIONS GENERAL NOTES

1. THE FOLLOWING TOILET ACCESSORIES WILL BE OWNER FURNISHED/ CONTRACTOR INSTALLED: PAPER TOWEL DISPENSER, SEAT COVER DISPENSER, SANITARY NAPLINDISPENSER, AND SOAP DISPENSER.
2. CEILING ELEMENTS IN ELEVATIONS ARE FOR GRAPHIC REPRESENTATION ONLY. SEE REFLECTED CEILING PLANS FOR ACTUAL LOCATIONS AND EXTENTS.

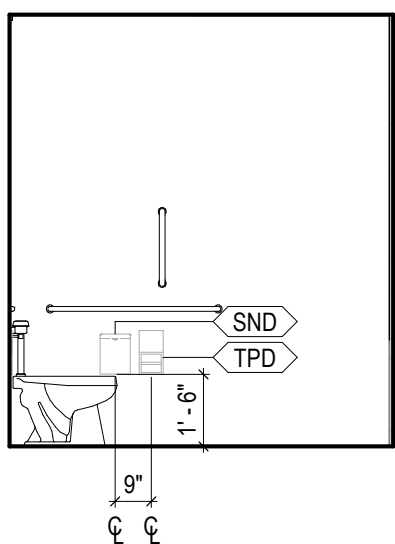


20 PHONE BOOTH - N  
1/4" = 1'-0"

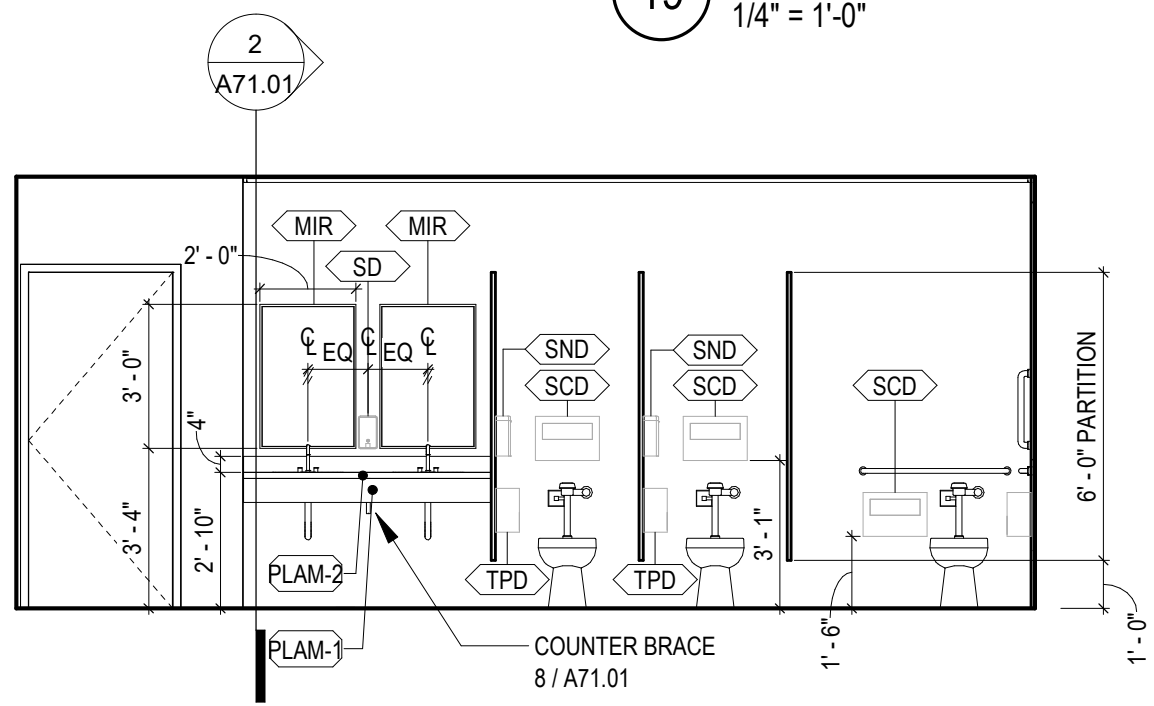
19 PHONE BOOTH - W  
1/4" = 1'-0"



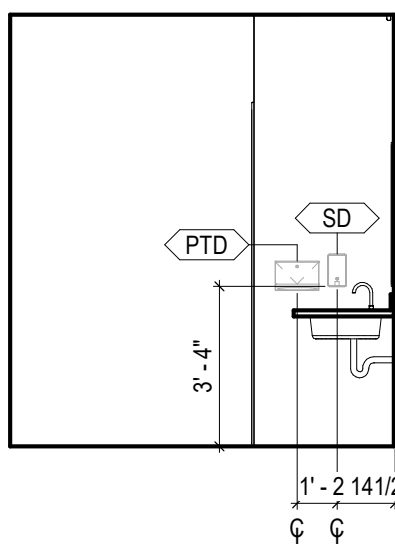
17 TEENS - S  
1/4" = 1'-0"



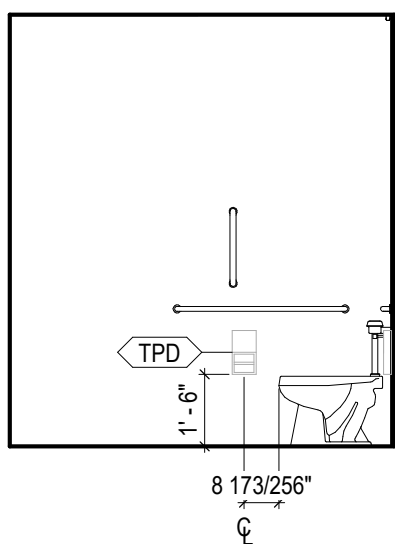
16 WOMEN 232 - W  
1/4" = 1'-0"



15 WOMEN 232 - S  
1/4" = 1'-0"

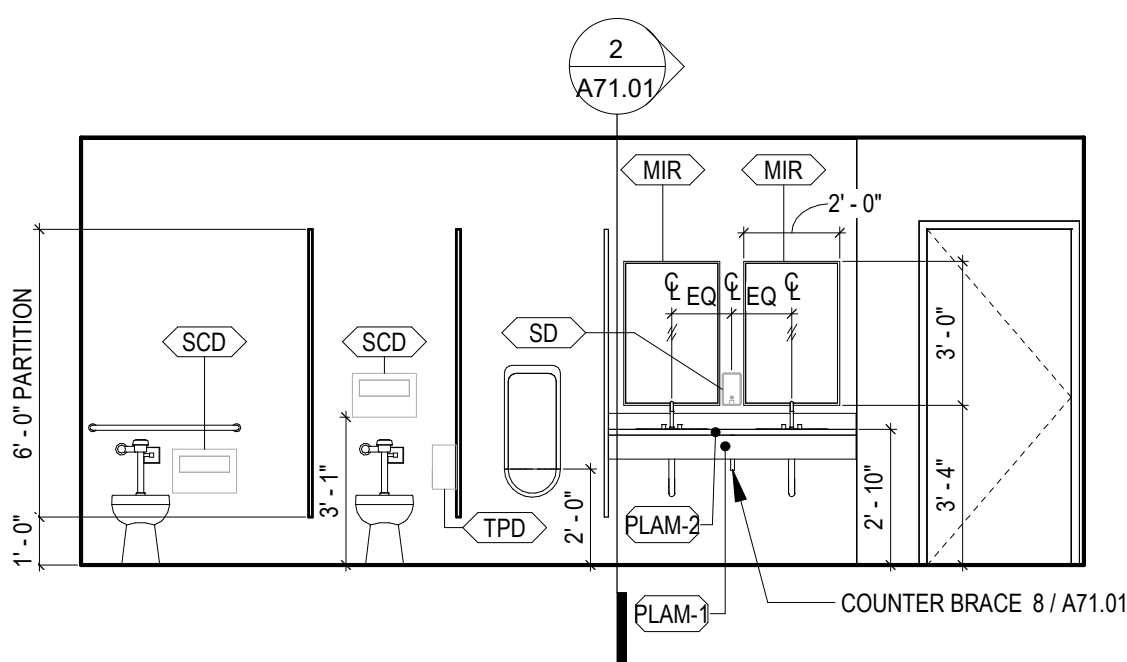


14 WOMEN 232 - E  
1/4" = 1'-0"

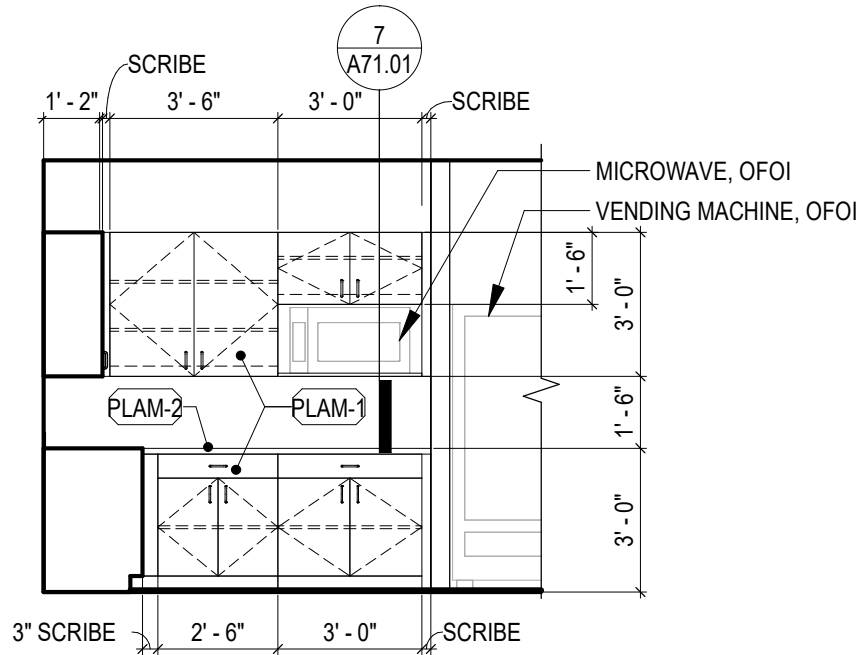


13 MEN 231 - W  
1/4" = 1'-0"

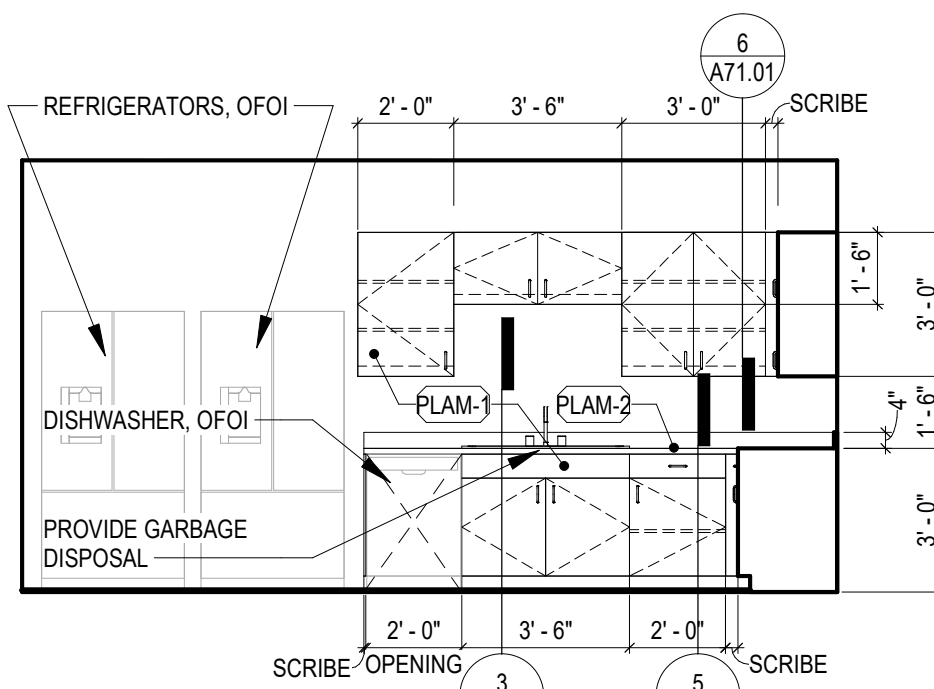
12 MEN 231 - E  
1/4" = 1'-0"



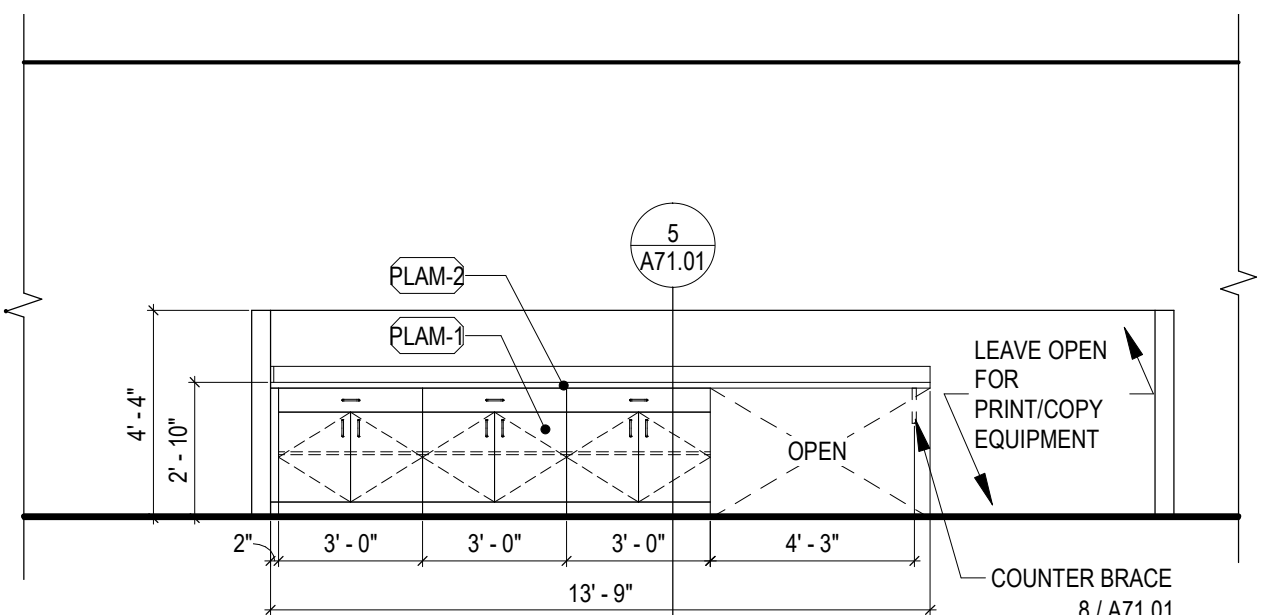
11 MEN 231 - N  
1/4" = 1'-0"



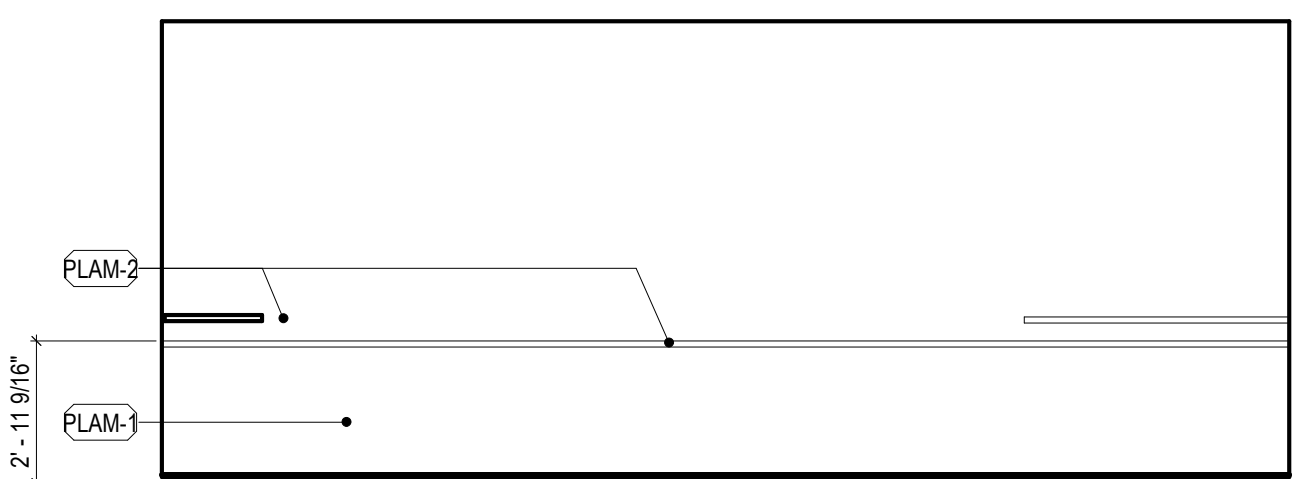
10 BREAK ROOM 225 - E  
1/4" = 1'-0"



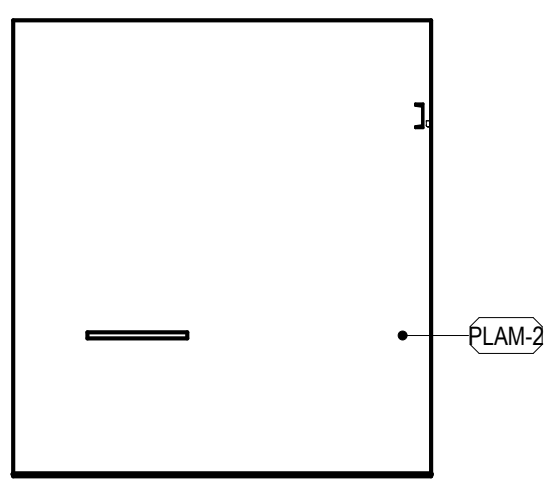
9 BREAK ROOM 225 - N  
1/4" = 1'-0"



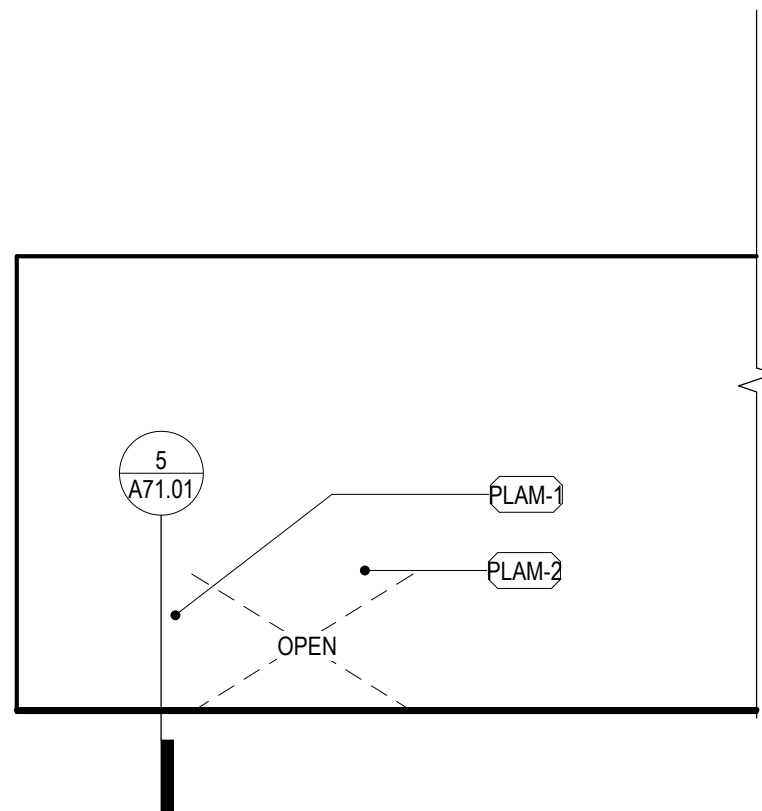
8 PRINT/COPY STATION  
1/4" = 1'-0"



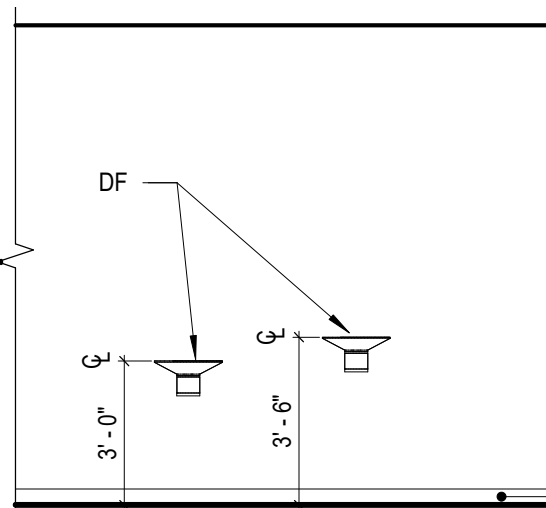
7 WAITING 204 - W  
1/4" = 1'-0"



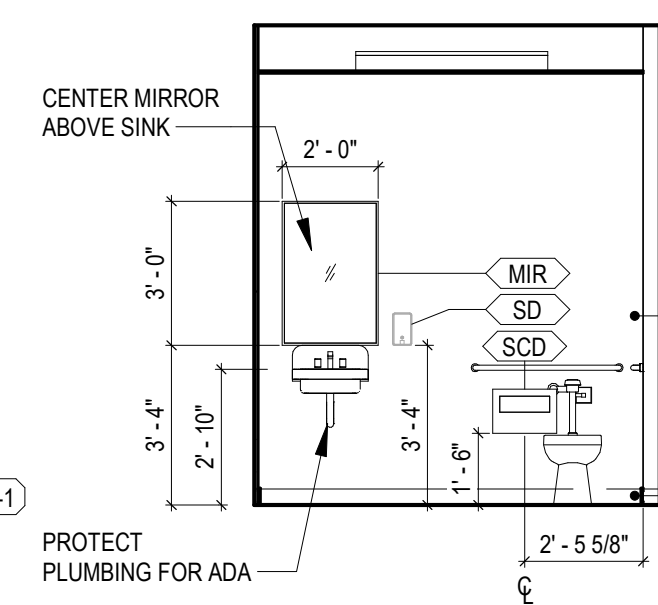
6 CKSD RECEPTION DESK - S  
1/4" = 1'-0"



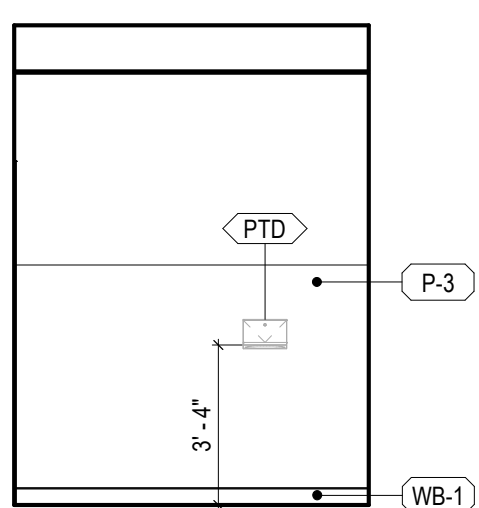
5 CKSD RECEPTION DESK BACK - E  
1/4" = 1'-0"



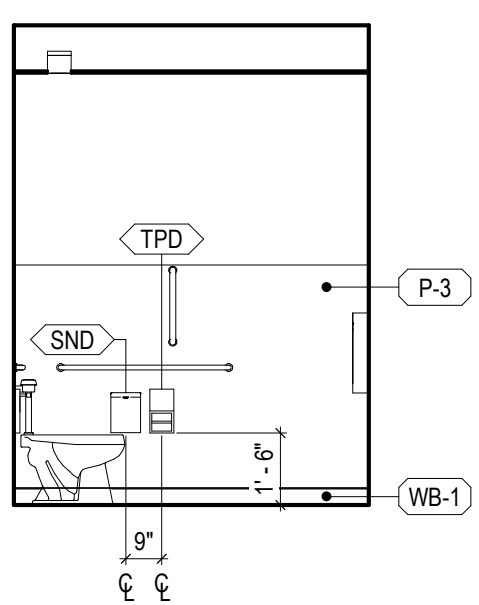
4 HALL 104 - E  
1/4" = 1'-0"



3 UNISEX 108 - W  
1/4" = 1'-0"



2 UNISEX 108 - S  
1/4" = 1'-0"



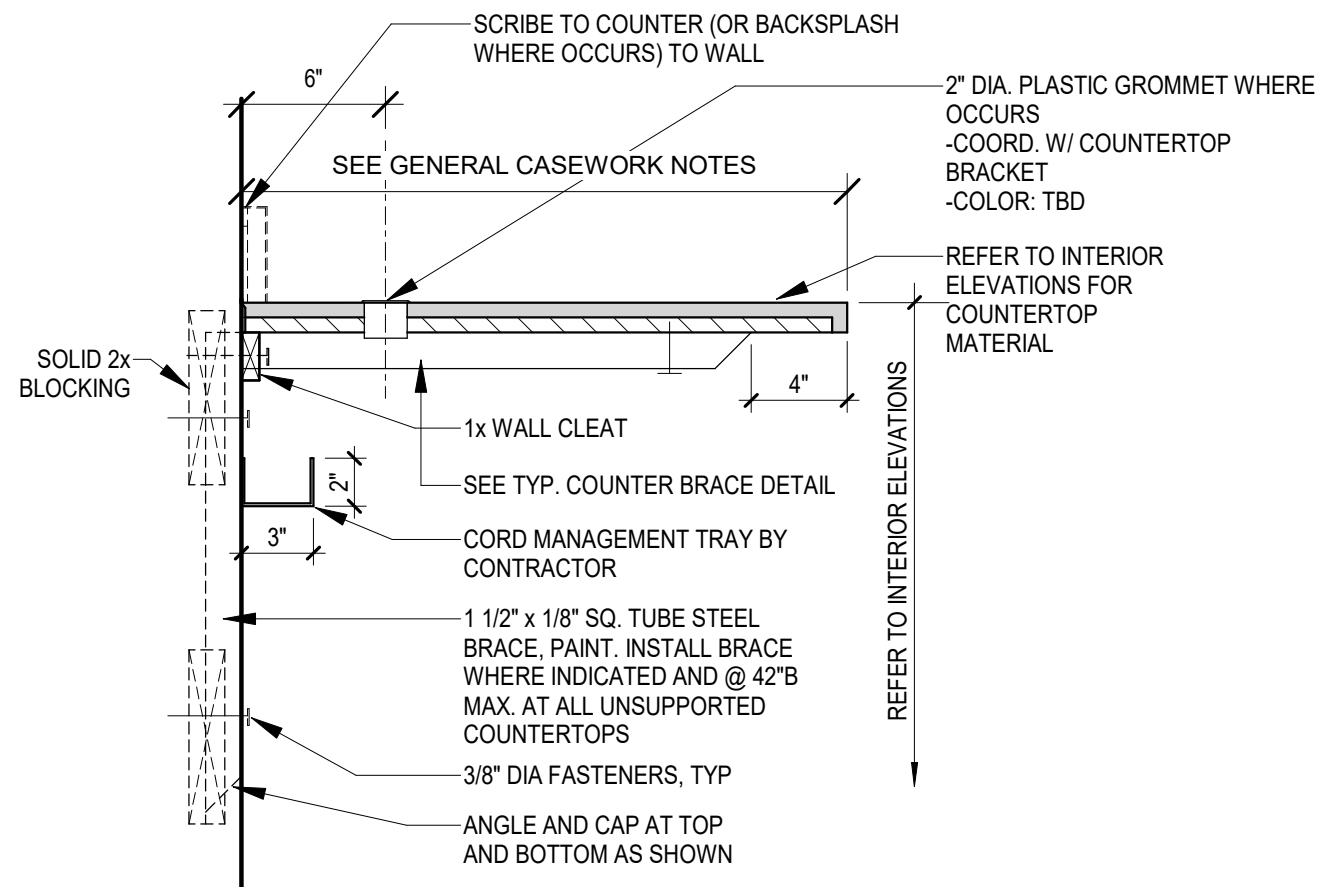
1 UNISEX 108 - N  
1/4" = 1'-0"

**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
 3700 NW ANDERSON HILL RD  
 SILVERDALE, WA 98383

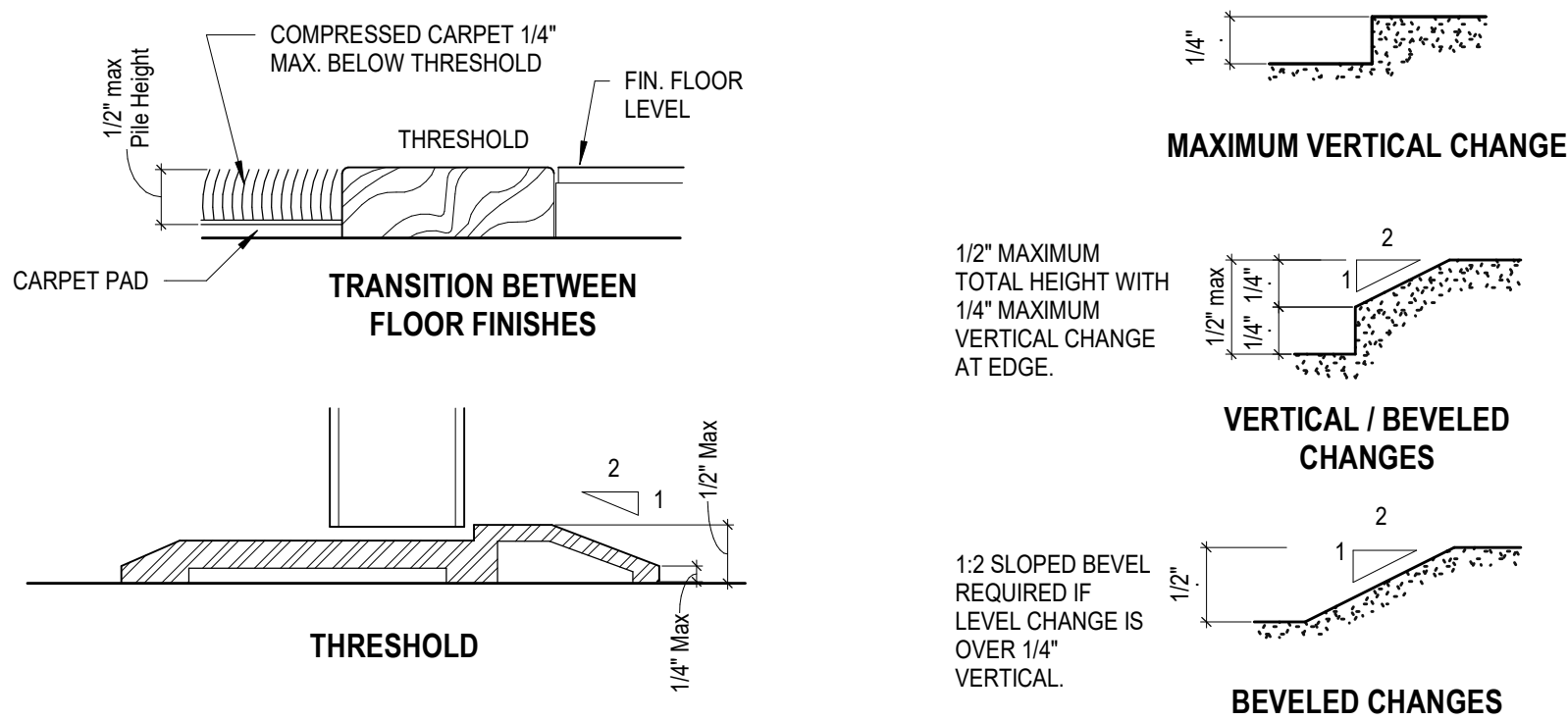
## INTERIOR ELEVATIONS

SHEET #

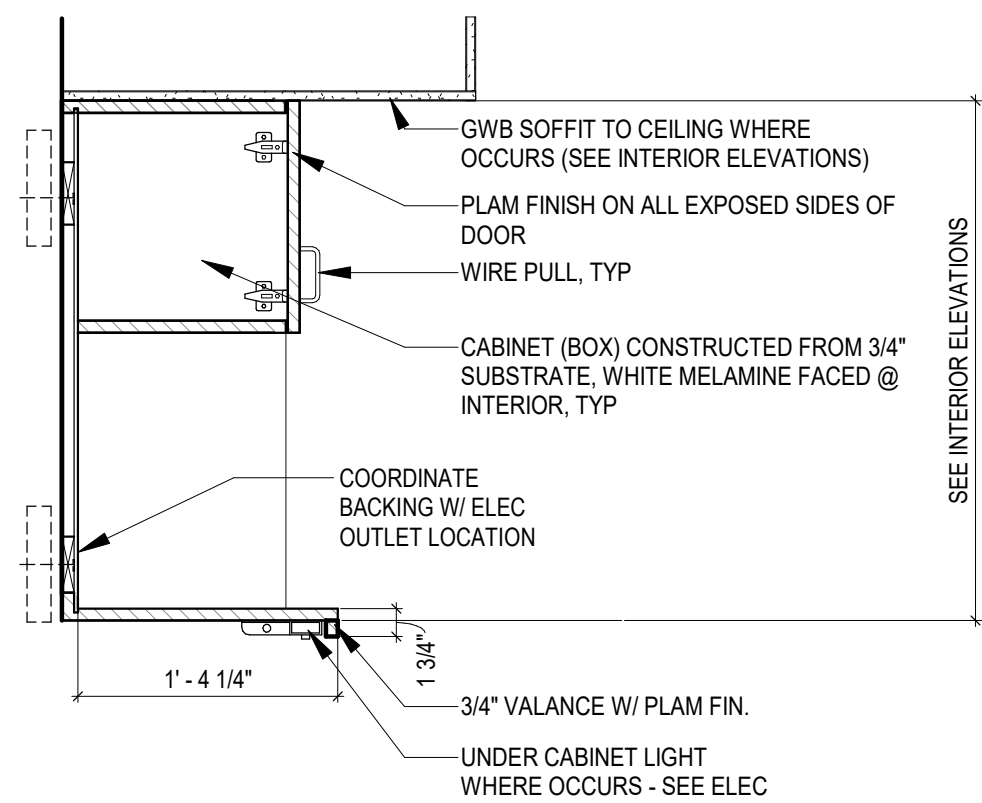
# A70.03



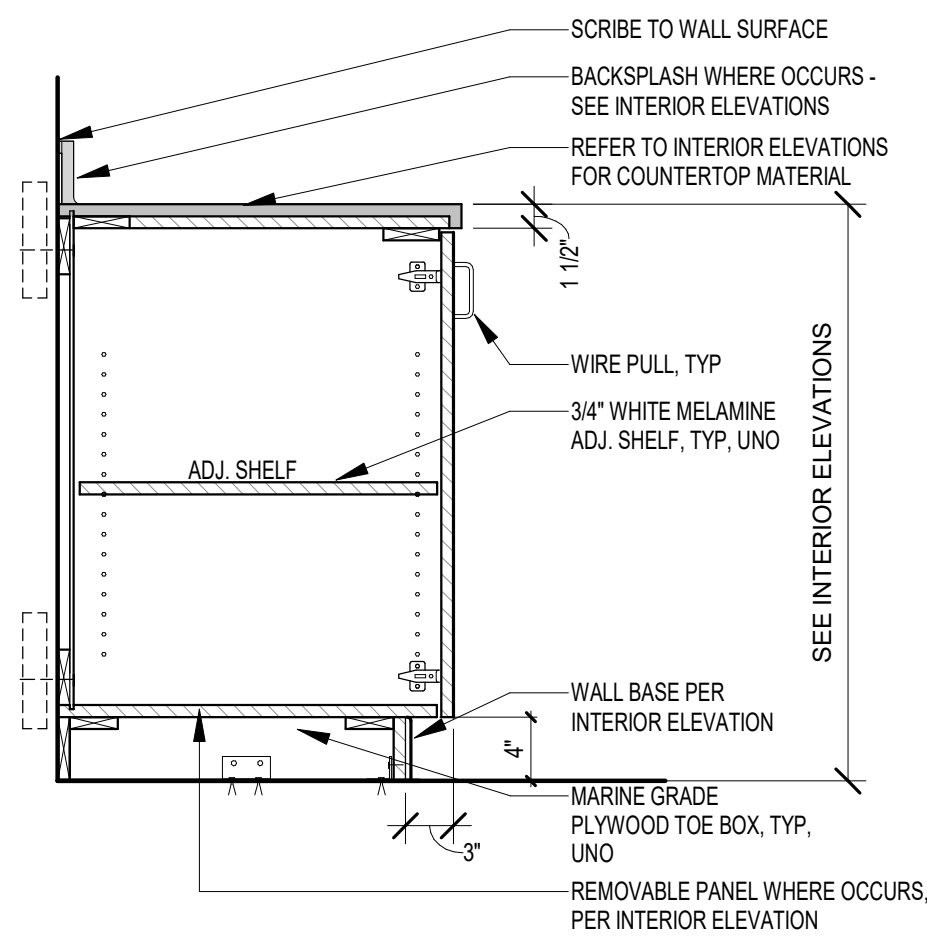
10 TYP. COUNTER SUPPORT  
1 1/2" = 1'-0"



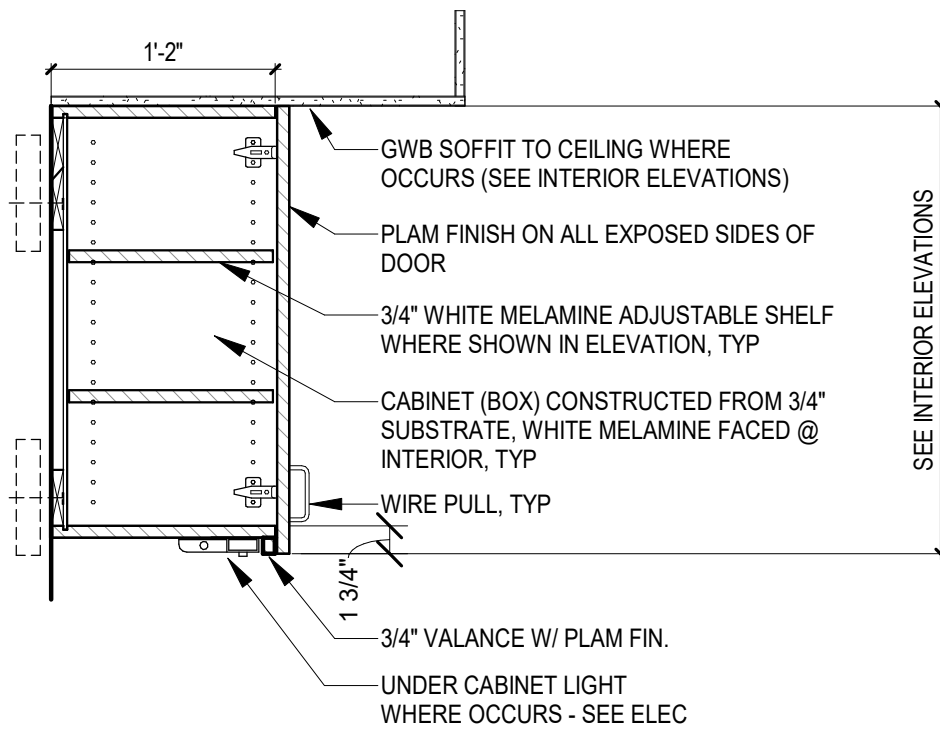
9 CHANGE OF LEVEL  
1/4" = 1'-0"



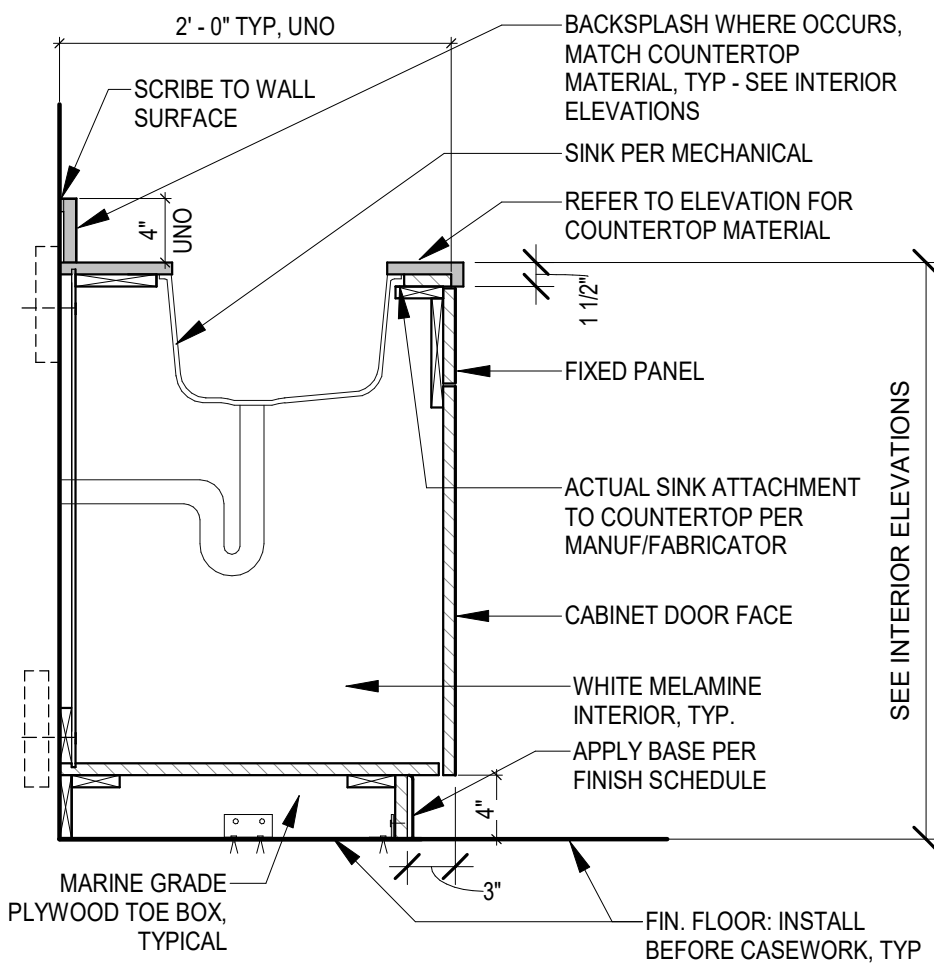
7 TYP UPPER CABINET WITH MICROWAVE  
1" = 1'-0"



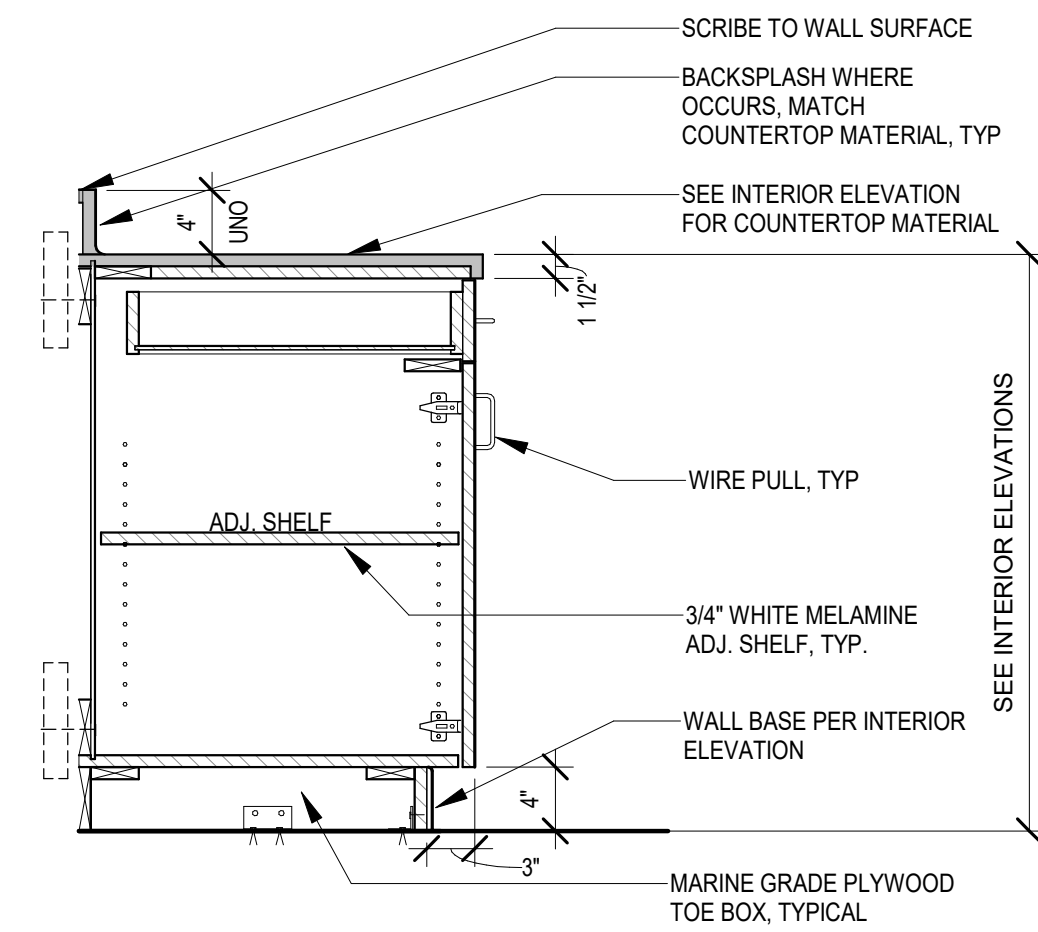
4 TYP BASE CABINET W/DOOR  
1" = 1'-0"



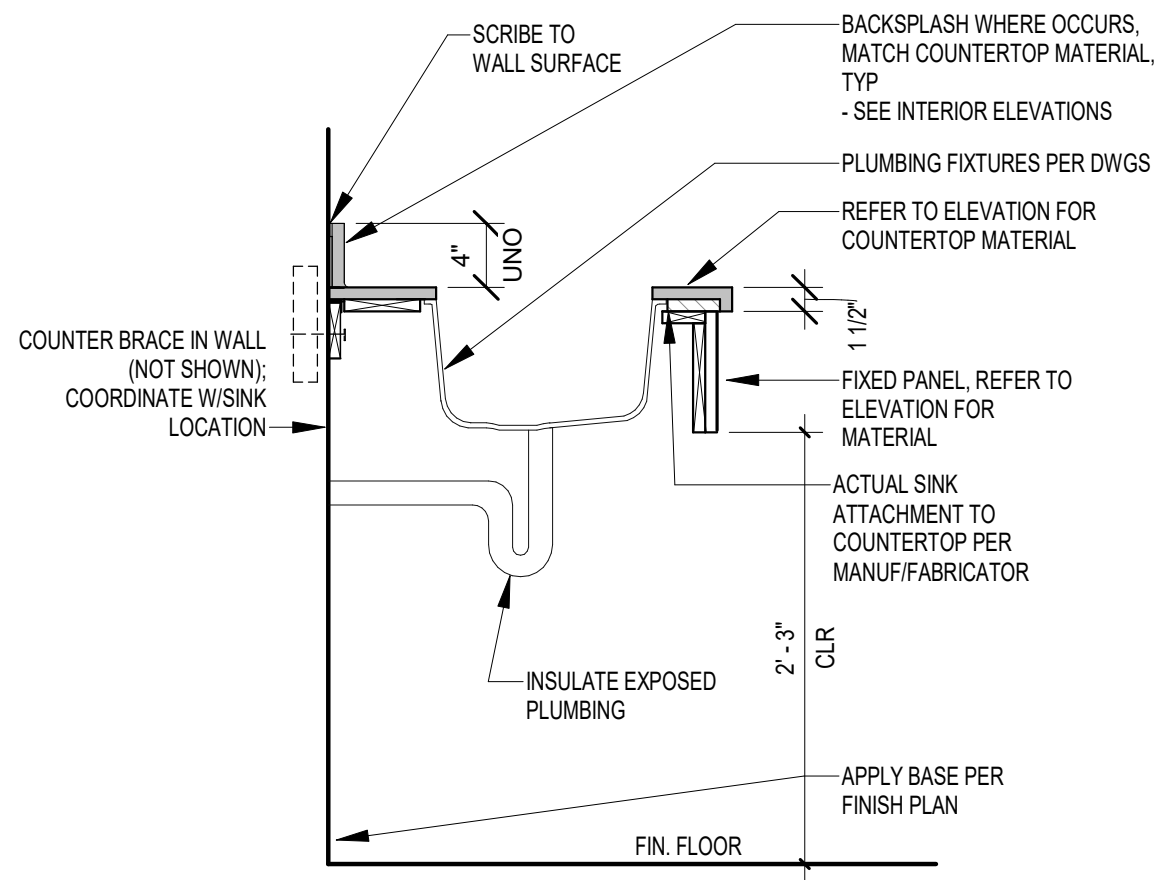
6 TYP. UPPER CABINET  
1" = 1'-0"



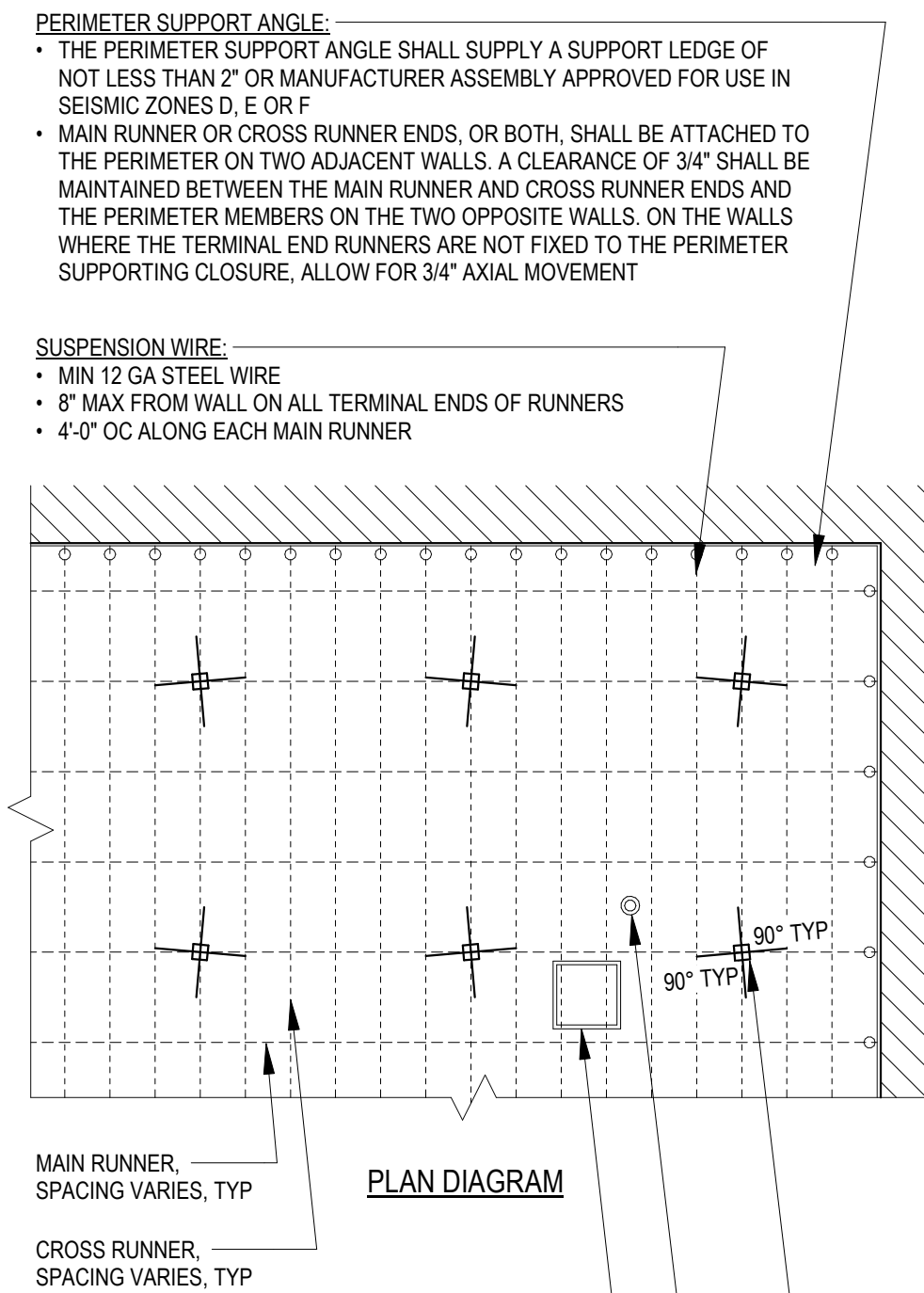
3 TYP. BASE CABINET W/SINK  
1" = 1'-0"



5 **TYP 1-DWR BASE CABINET**  
1" = 1'-0"



2 SINK W/APRON DETAIL  
1" = 1'-0"

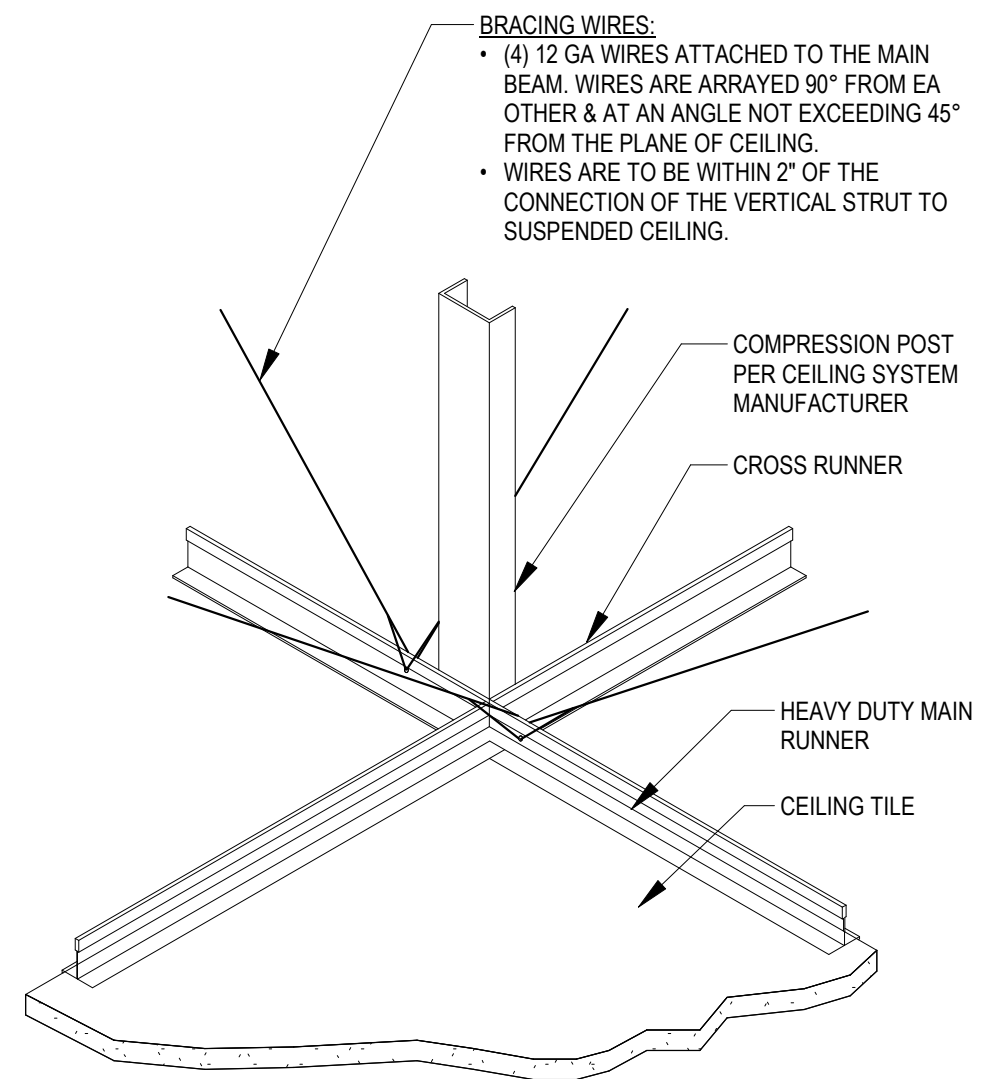


ALL CEILING PENETRATIONS (COLUMNS ETC.) AND INDEPENDENTLY SUPPORTED FIXTURES OR SERVICES SHALL BE CONSIDERED AS PERIMETER CLOSURES THAT ALSO MUST ALLOW THE REQUIRED CLEARANCES BY USING SUITABLE CLOSURE DETAILS.

SPRINKLER HEADS AND OTHER PENETRATIONS SHALL HAVE A 2" OVERSIZE RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT OF AT LEAST 1" IN ALL HORIZONTAL DIRECTIONS.

HORIZONTAL RESTRAINT POINT (SEE DIAGRAM BELOW): \_\_\_\_\_

- COMPRESSION POST AND BRACING WIRES
- 12'-0" OC IN BOTH DIRECTIONS WITH THE FIRST POINT WITHIN 6'-0" FROM EACH WALL



LATERAL FORCE BRACING DIAGRAM

**NOTES:**

1. SUSPENDED CEILING SYSTEM INSTALLATION SHALL BE INSTALLED PER IBC 2015 (IBC 808 AND IBC 1604.10), ASCE 7-10, AND ASTM E980.
2. THIS DETAIL APPLIES TO SUSPENSION DESIGN CATEGORIES D, E, AND F.
3. SPREADER (SPACER) BRACES OR OTHER MEANS APPROVED BY THE LOCAL BUILDING DEPT. SHALL BE USED TO PREVENT DEPEND OF MAIN BEAMS AT PERIMETER WALLS FROM SPREADING OPEN DURING A SEISMIC EVENT. PERIMETER WIRES SHALL NOT BE USED IN LIEU OF SPREADER BRACES.
4. FOR CORNER AREAS EXCEEDING 2,500 SF, A SEISMIC SEPARATION JOINT OR FULL HEIGHT PARTITION IN BRACES AND CEILING UP INTO AREAS NOT EXCEEDING 2,500 SF, SHALL WITH A RATIO OF THE LONG TO SHORT DIMENSION LESS THAN OR EQUAL TO 4. EACH SHALL BE PROVIDED UNLESS STRUCTURAL ANALYSES ARE PERFORMED OF THE CEILING BRACING SYSTEM FOR THE PRESCRIBED SEISMIC FORCES THAT DEMONSTRATE CEILING PENETRATIONS AND CLOSURE ANGLES OR CHANNELS PROVIDING SUFFICIENT STIFFNESS TO BRACES TO ACCOMMODATE THE ANTICIPATED LATERAL DISPLACEMENT. EACH AREA SHALL BE PROVIDED WITH CLOSURE ANGLE OR CHANNELS IN ACCORDANCE WITH THE PERIMETER SUPPORT ANGLE DESCRIBED ABOVE AND HORIZONTAL RESTRAINTS OR BRACING.
5. CHANGES IN CEILING PLANE ELEVATION SHALL HAVE INDEPENDENT POSITIVE BRACING.
6. PARTITIONS THAT ARE TIED TO THE CEILING AND ALL PARTITIONS GREATER THAN 6 FEET HIGH SHALL BE TIED TO THE STRUCTURE. SUCH BRACING SHALL BE INDEPENDENT OF ANY CEILING LATERAL FORCE BRACING.
7. POWER ACTUATED FASTENERS IN CONCRETE OR STEEL SHALL NOT BE USED FOR SUSTAINED TENSION LOADS OR FOR BRACE APPLICATIONS IN SEISMIC DESIGN CATEGORIES D, E, OR F UNLESS APPROVED FOR SEISMIC LOADING. POWER ACTUATED FASTENERS IN MASONRY ARE NOT PERMITTED UNLESS APPROVED FOR SEISMIC LOADING.

**A. EXCEPTIONS:**

- a. POWER ACTUATED FASTENERS IN CONCRETE USED TO SUPPORT ACOUSTICAL TILE OR LAY-IN PANEL. SUSPENDED CEILING APPLICATIONS AND DETAIL SHALL BE DESIGNED TO RESIST THE SERVICE LOAD ON ANY INDIVIDUAL FASTENER DOES NOT EXCEED 90 LB IN 4000.
- b. POWER ACTUATED FASTENERS IN STEEL WHERE THE SERVICE LOAD ON ANY INDIVIDUAL FASTENER DOES NOT EXCEED 250 LB (1, 112N).

1 ACT - SEISMIC BRACING DETAIL  
NOT TO SCALE

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**900 BUILDING RENOVATION**  
 3700 NW ANDERSON HILL RD  
 SILVERDALE, WA 98383

[illegible]

## INTERIOR DETAILS

SHEET #

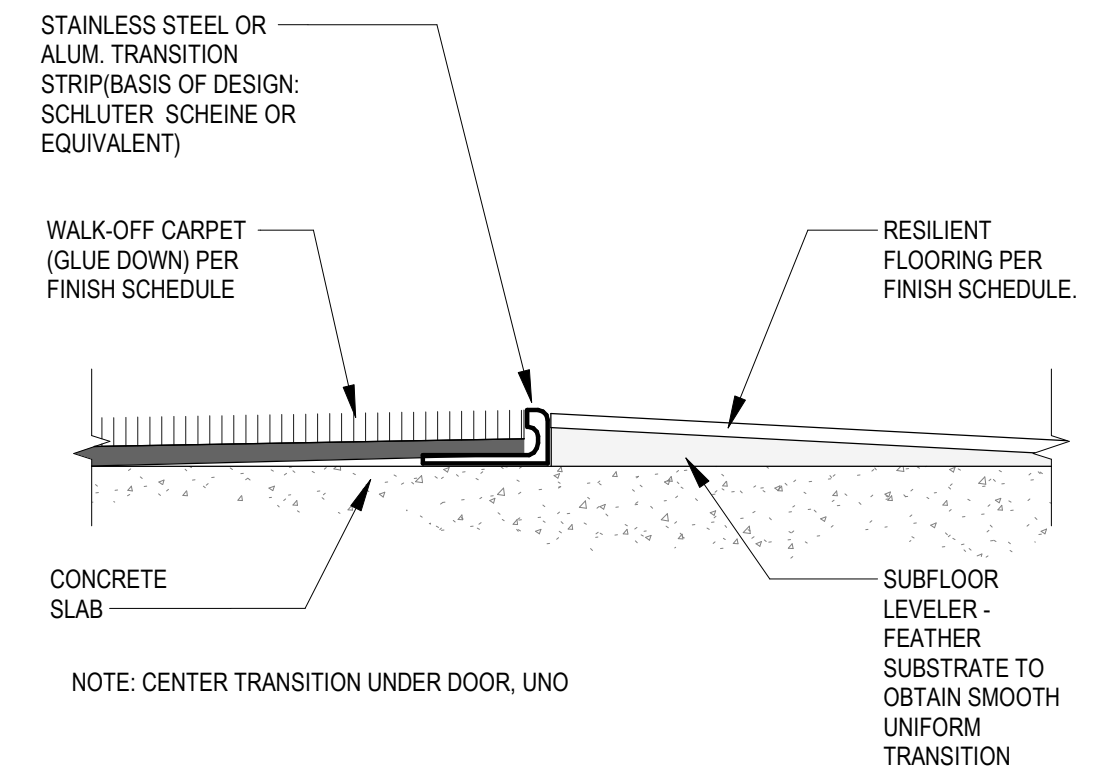
# A71.01

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**900 BUILDING RENOVATION**  
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[illegible]

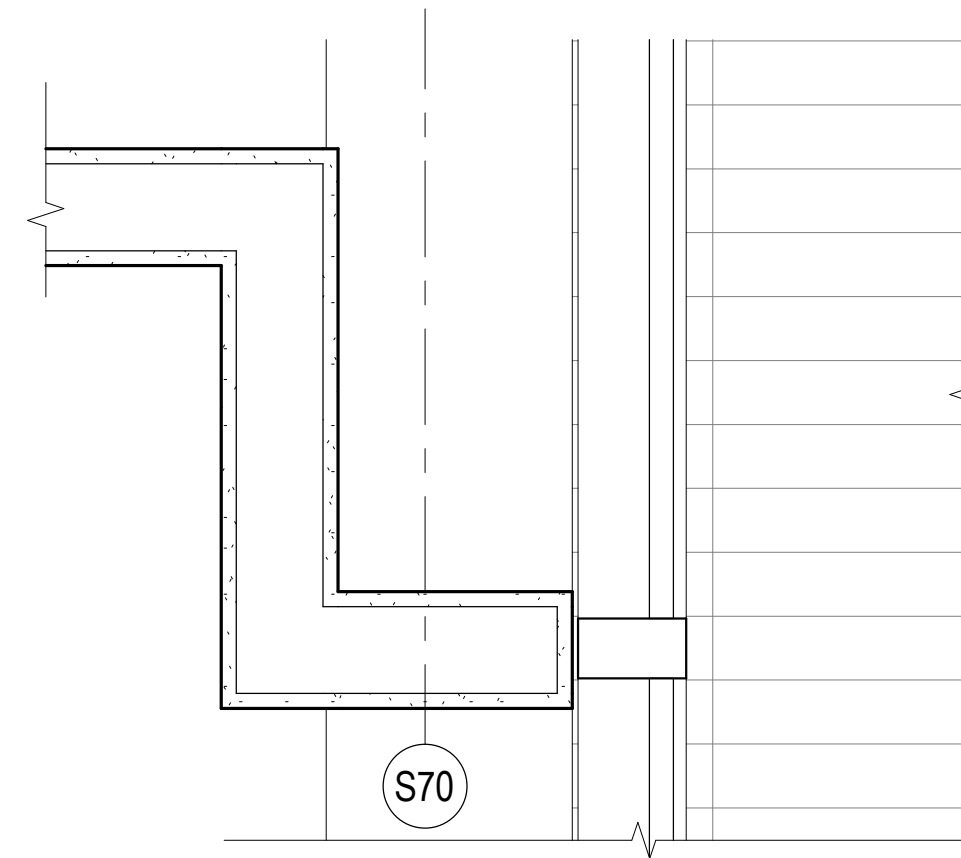
## SHEET #

# A71.02



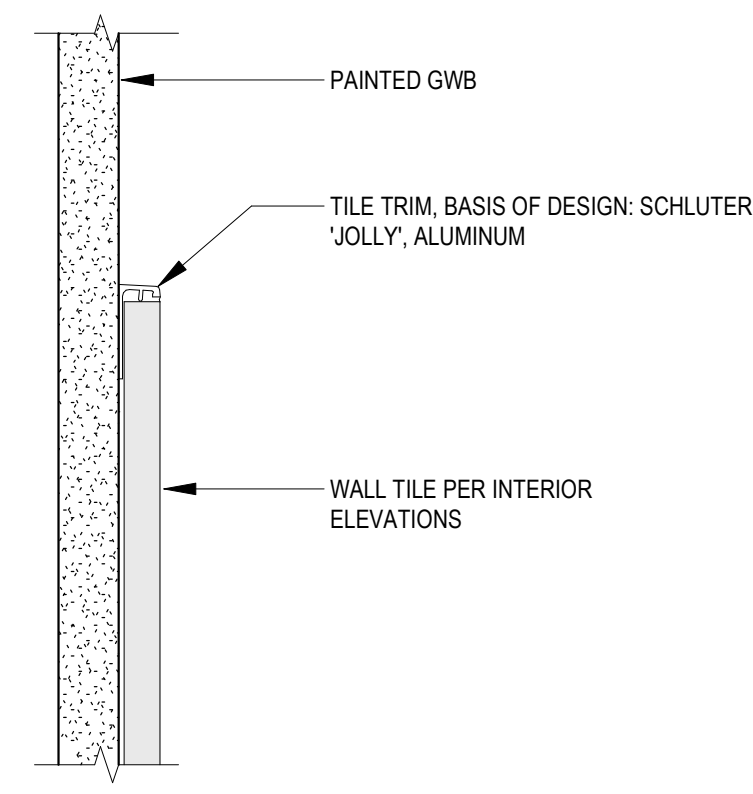
8 PERIMETER INFILL  
1 1/2" = 1'-0"

4 FLOORING TRANSITION - WO TO RESILIENT  
12" = 1'-0"

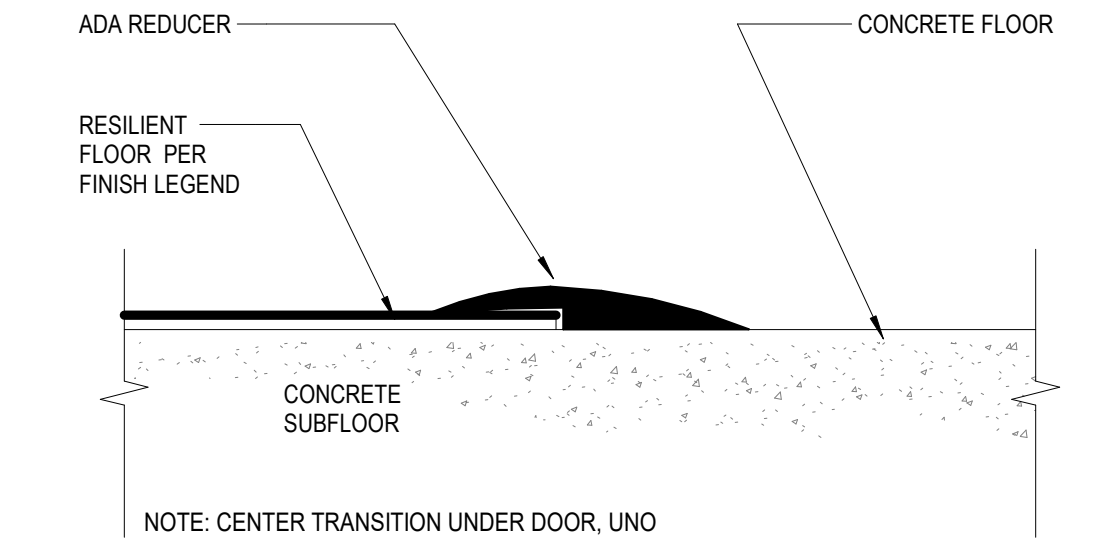


15 STEPPED GWB TO ACT TRANSITION  
1 1/2" = 1'-0"

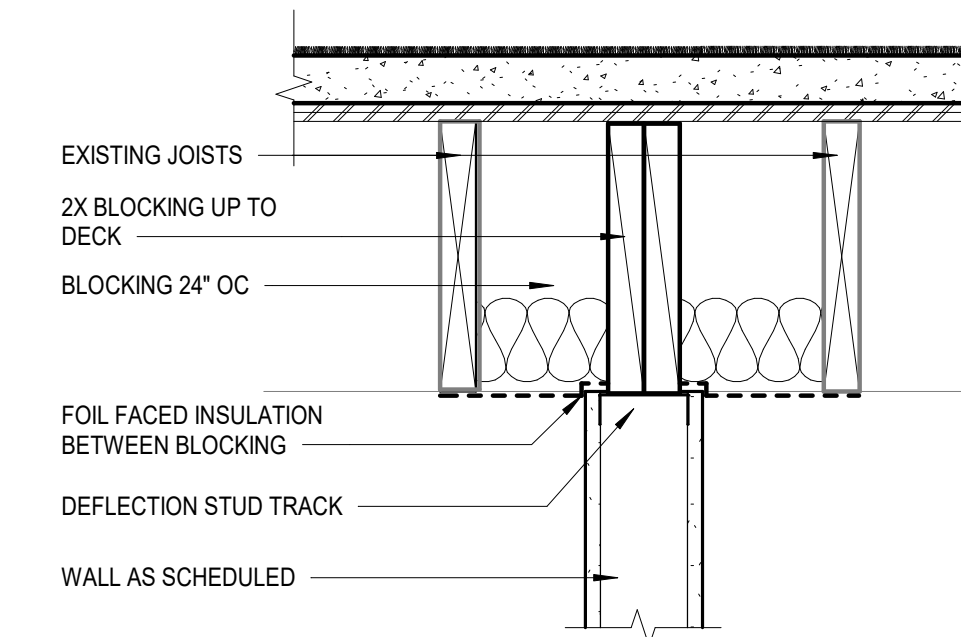
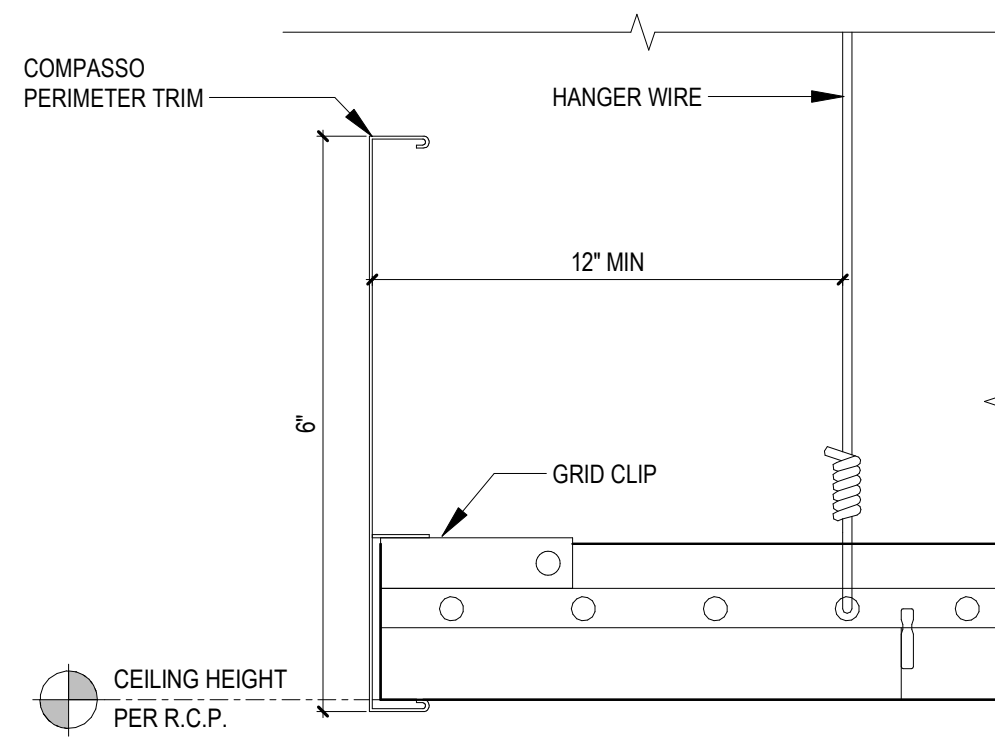
11 WALL AT WINDOW  
1 1/2" = 1'-0"



7 TYP TILE TRIM DETAIL  
6" = 1'-0"

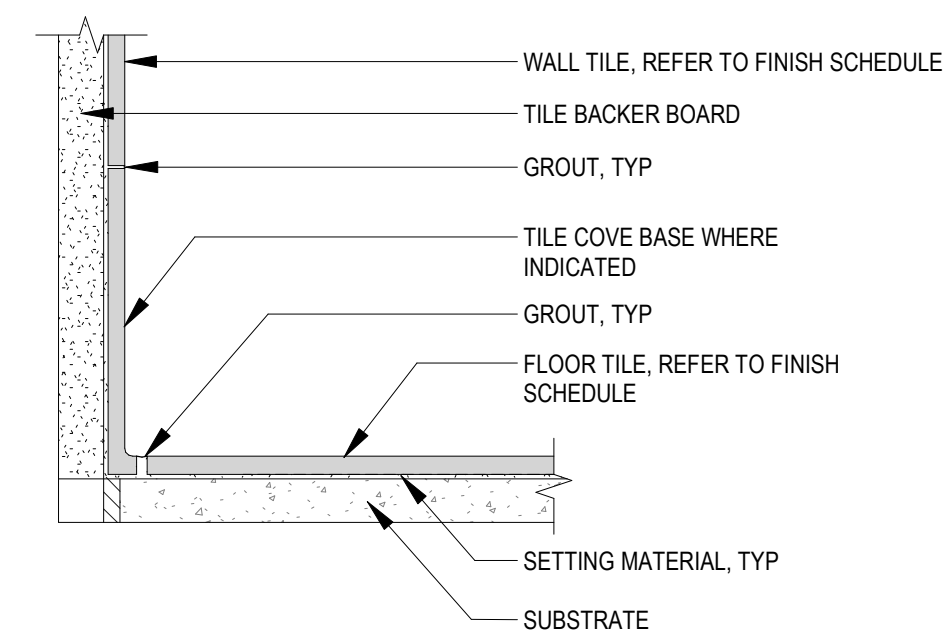


3 FLOOR TRANSITION - LVT TO CONCRETE  
12" = 1'-0"

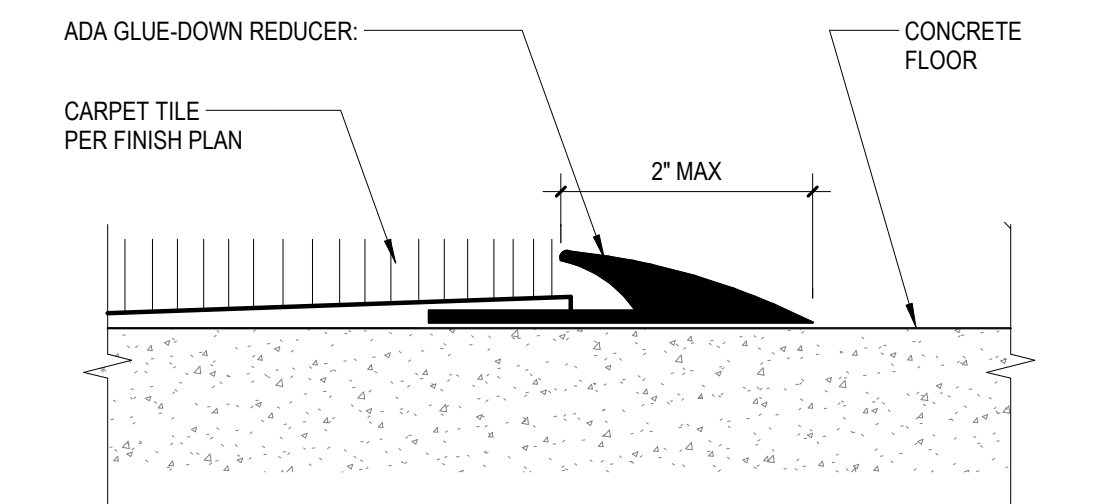


14 COMPASSO EDGE DETAIL, TYP AT ACT CLOUDS  
6" = 1'-0"

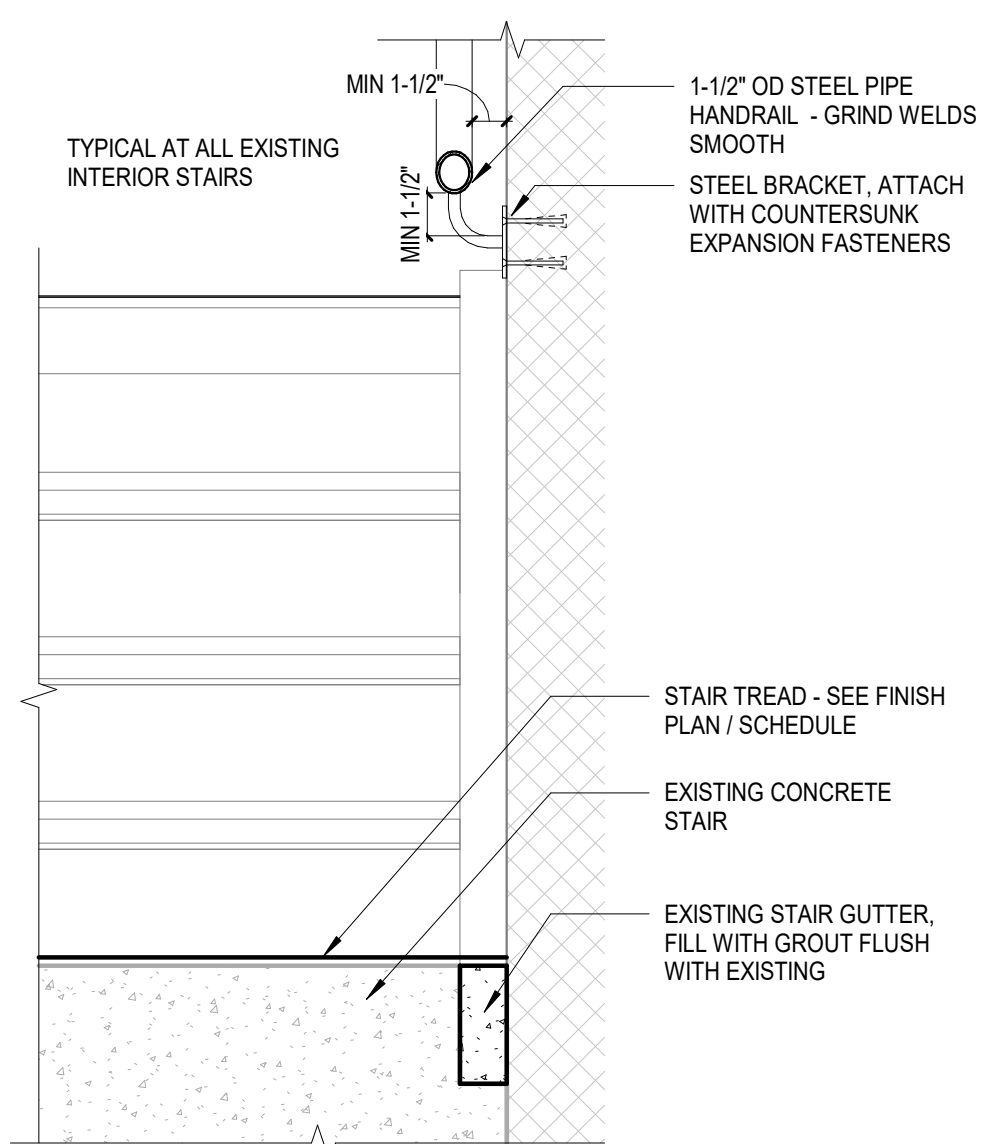
10 WALL TO STRUCTURE PARALLEL TYP  
1 1/2" = 1'-0"



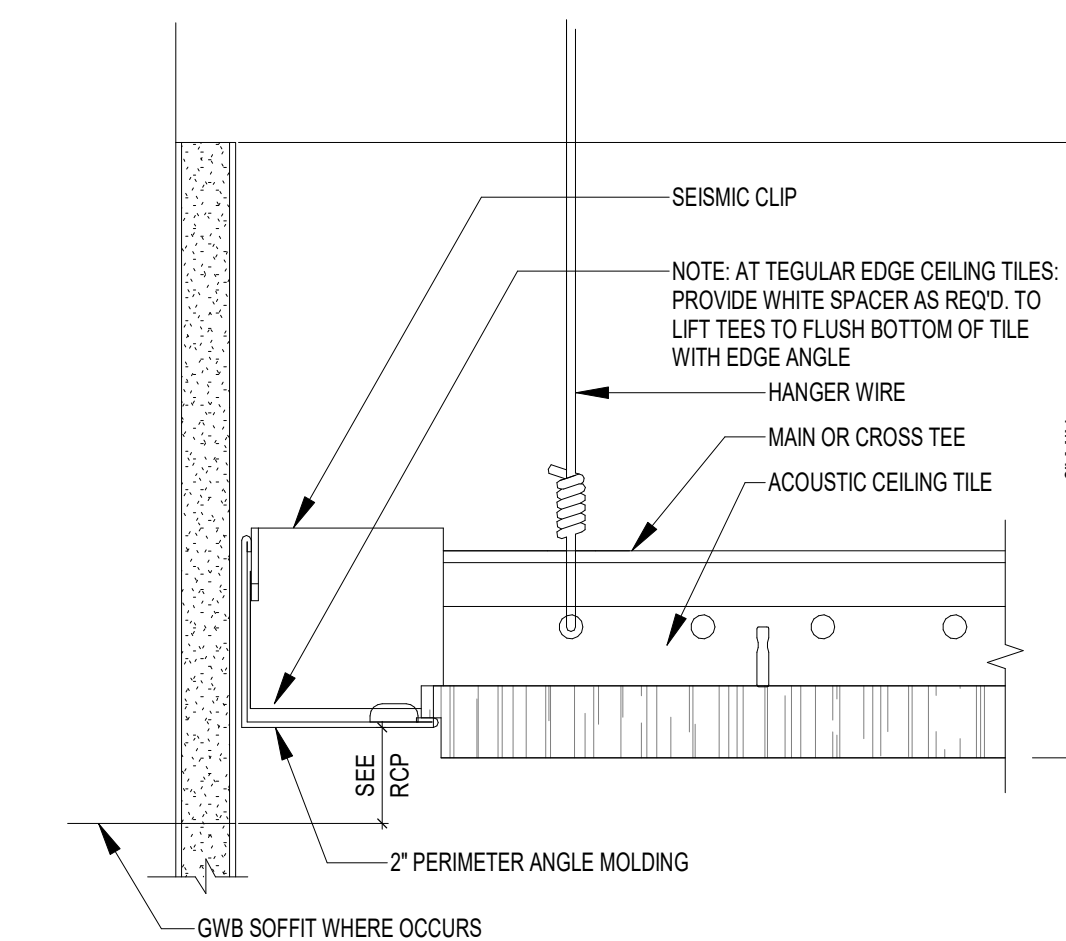
6 TYP TILE BASE DETAIL  
3" = 1'-0"



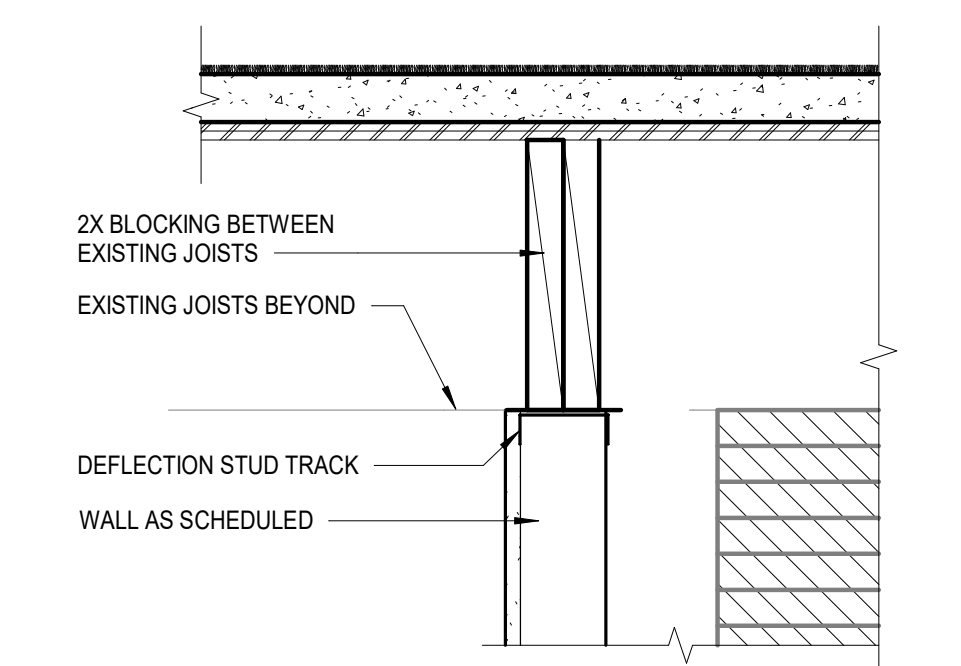
2 FLOOR TRANSITION - CARPET TO CONCRETE  
12" = 1'-0"



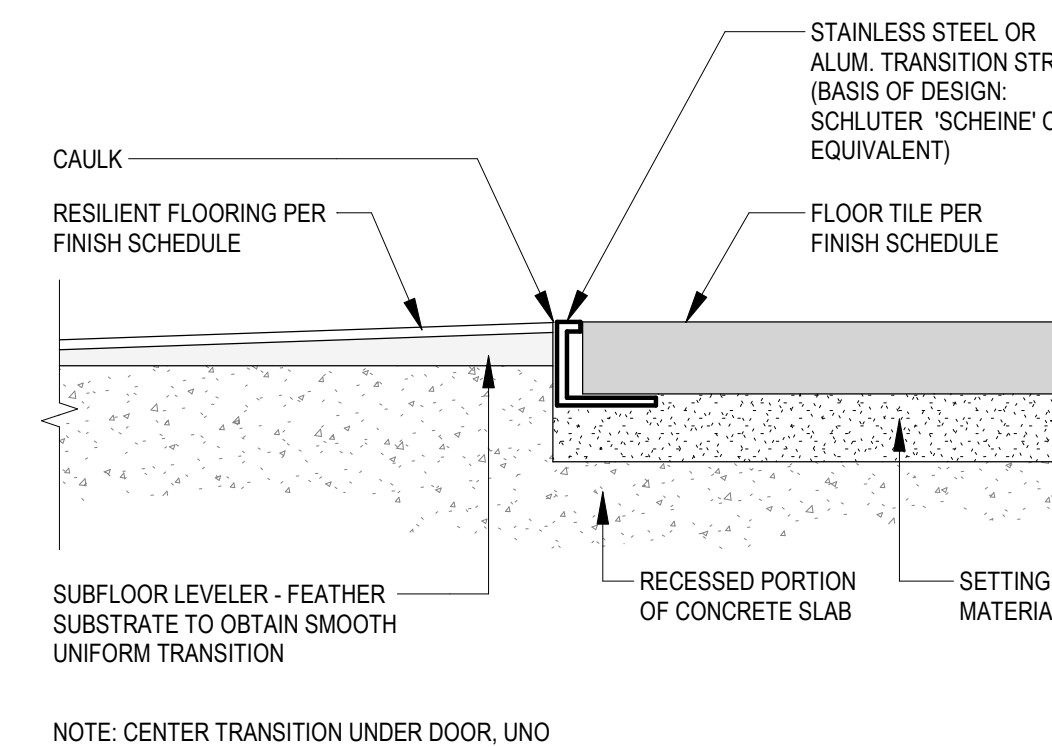
18 EXISTING STAIR GUTTERS  
1 1/2" = 1'-0"



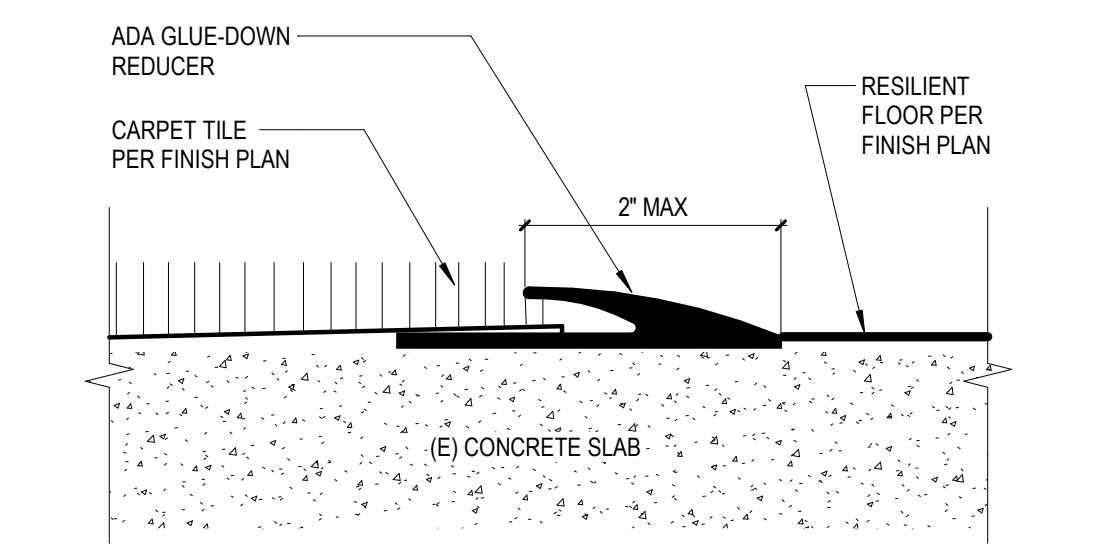
13 TYP CEILING EDGE ANGLE DETAIL  
6" = 1'-0"



9 WALL TO STRUCTURE PERPENDICULAR TYP  
1 1/2" = 1'-0"

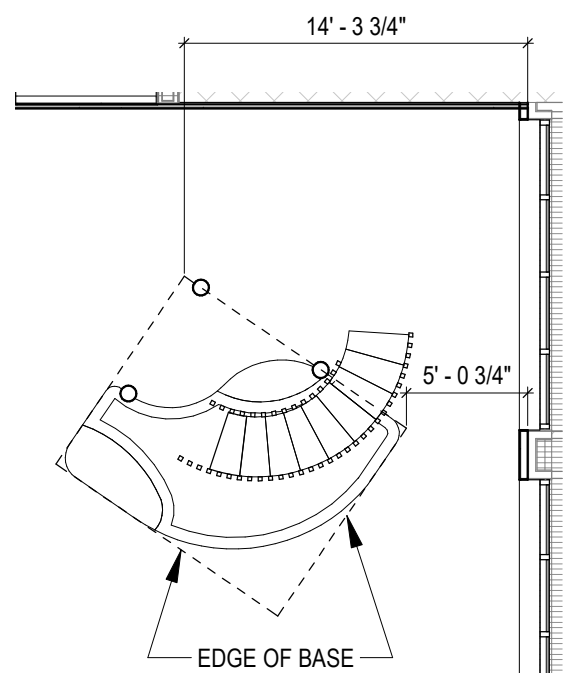
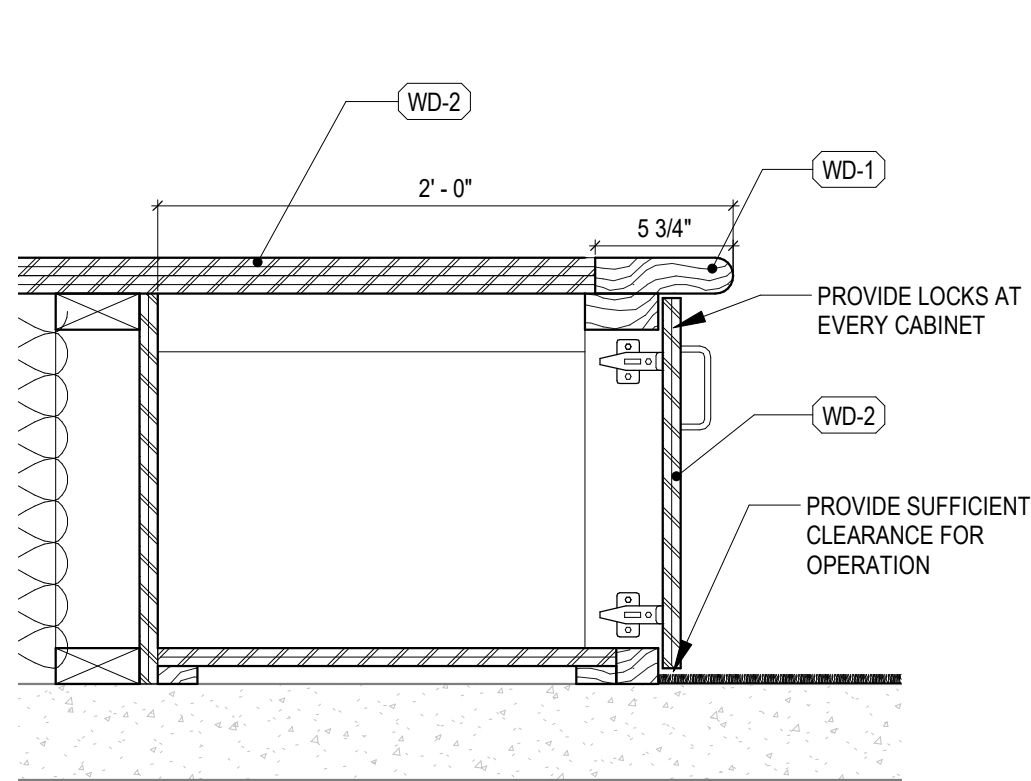


5 FLOORING TRANSITION - TILE TO RESILIENT  
12" = 1'-0"



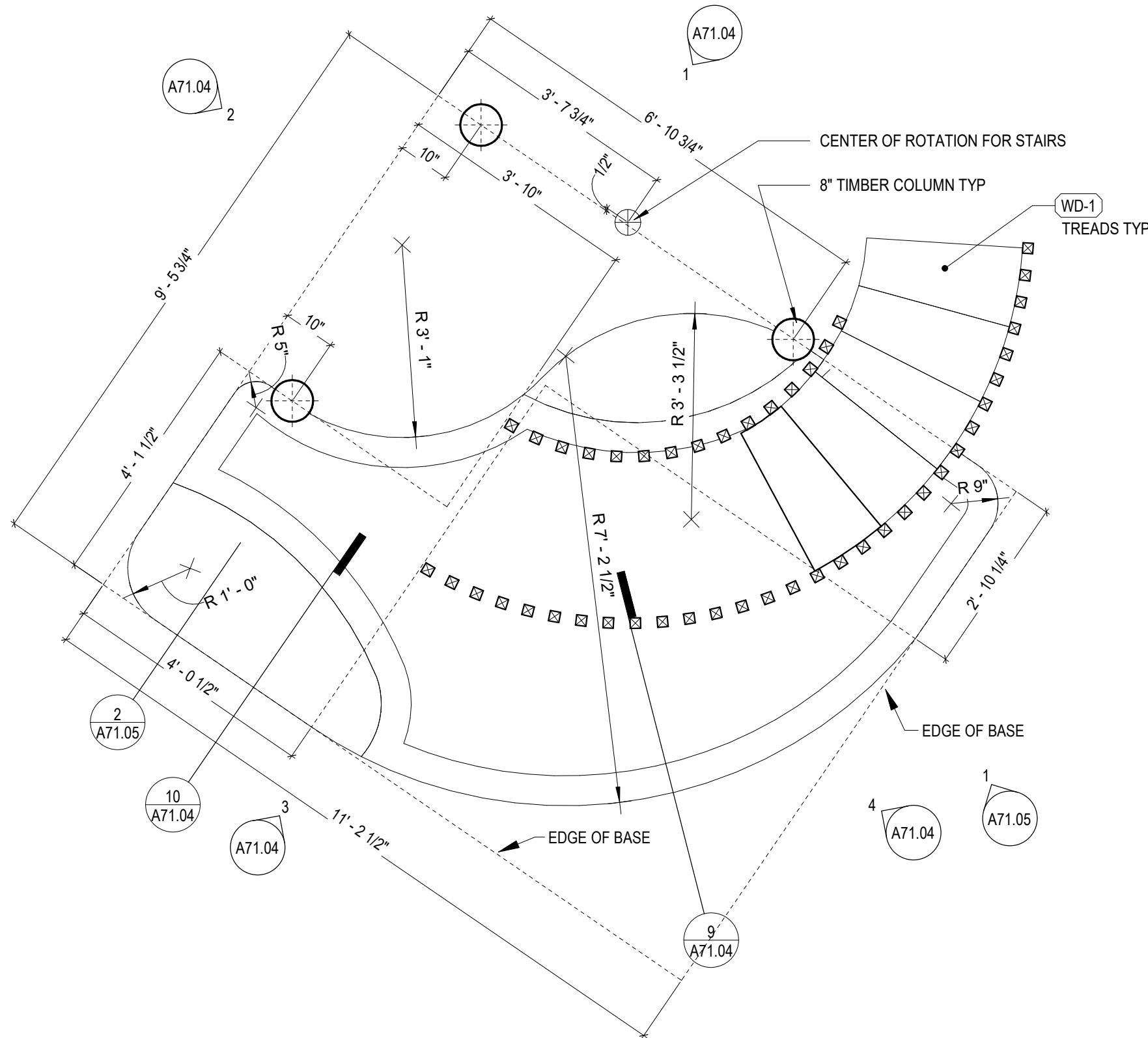
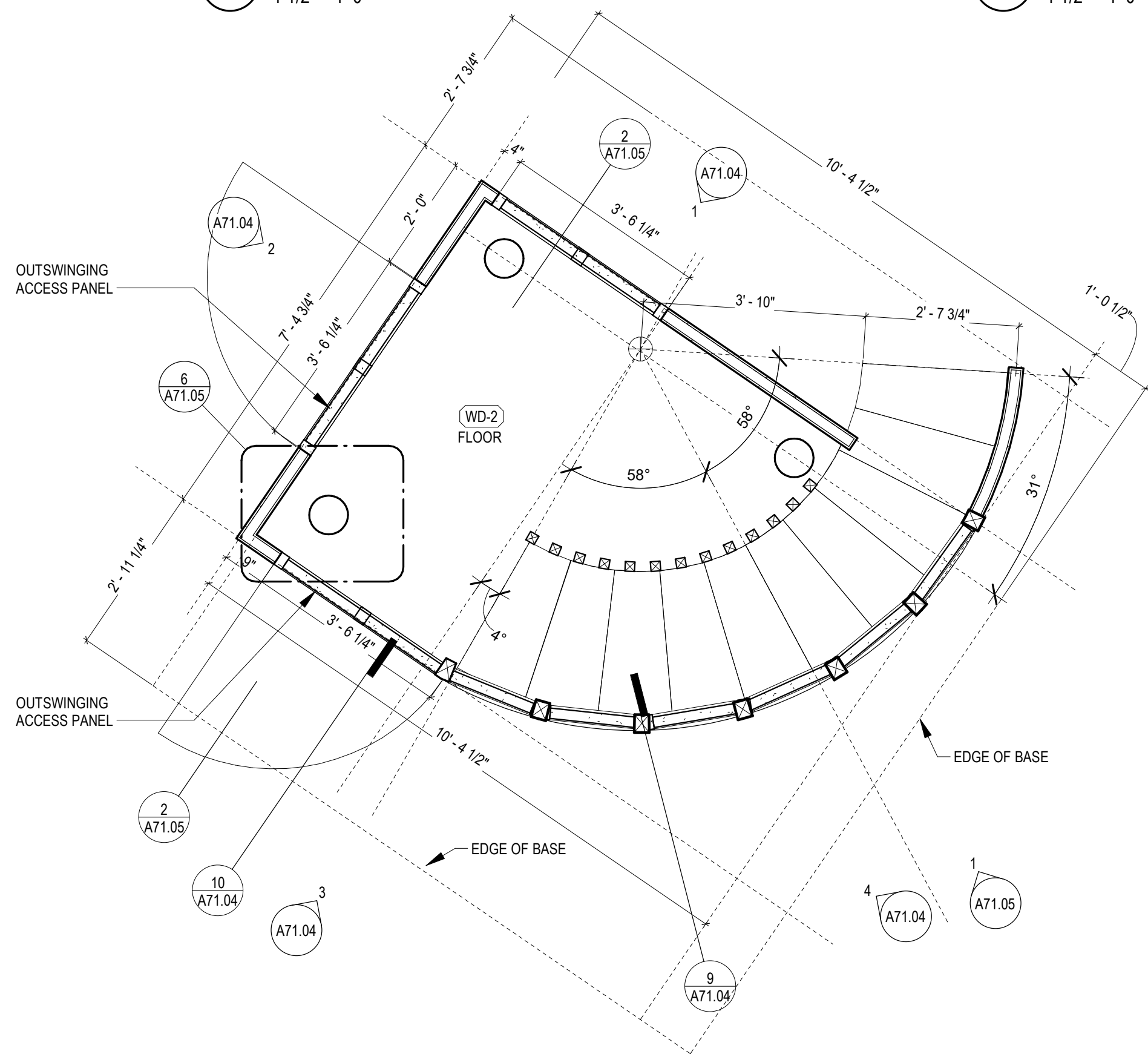
1 FLOOR TRANSITION - CARPET TO RESILIENT  
12" = 1'-0"





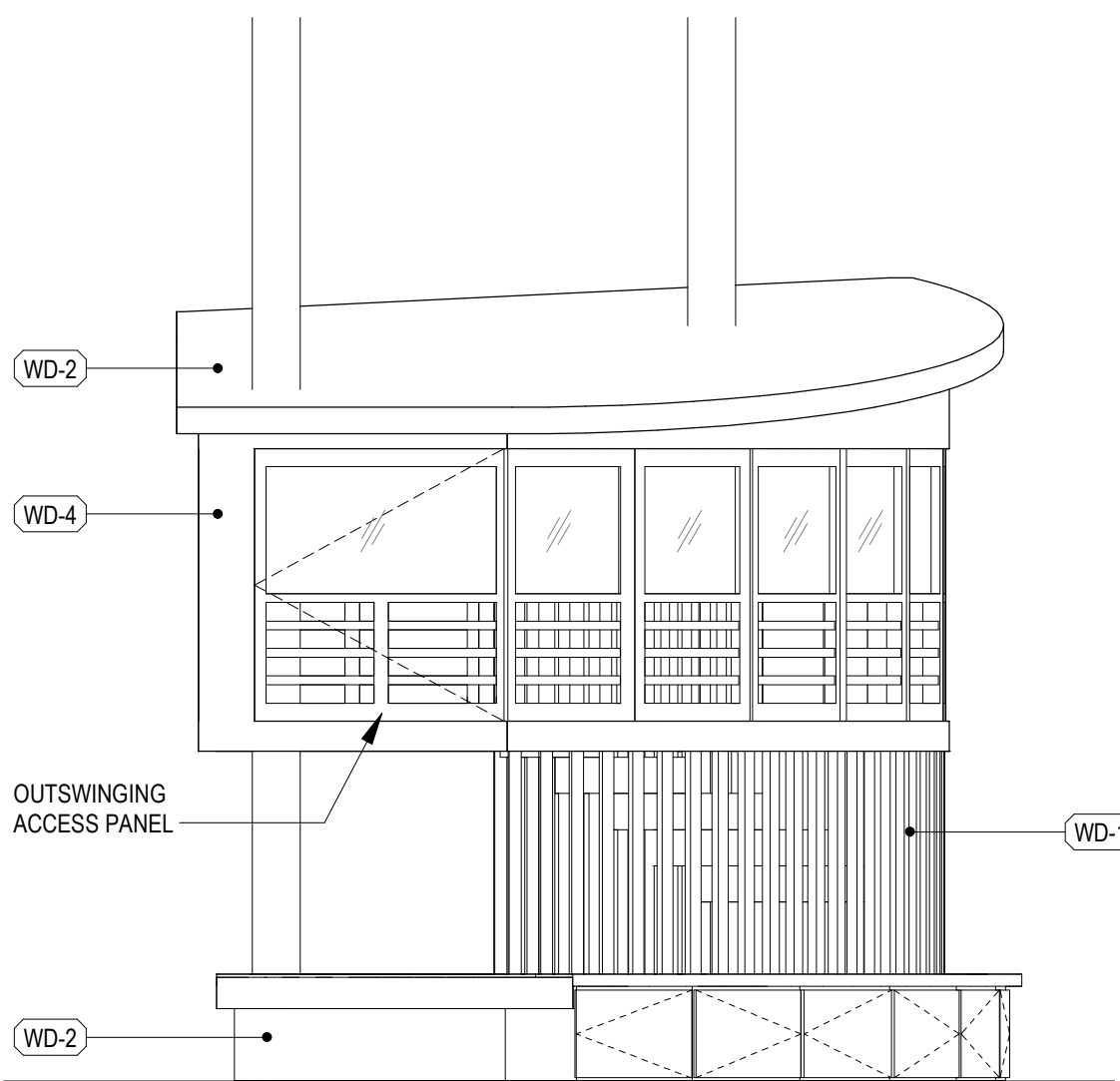
9 UNDER BASE STORAGE  
1 1/2" = 1'-0"

8 READING LOFT - DIMENSION PLAN  
1/8" = 1'-0"

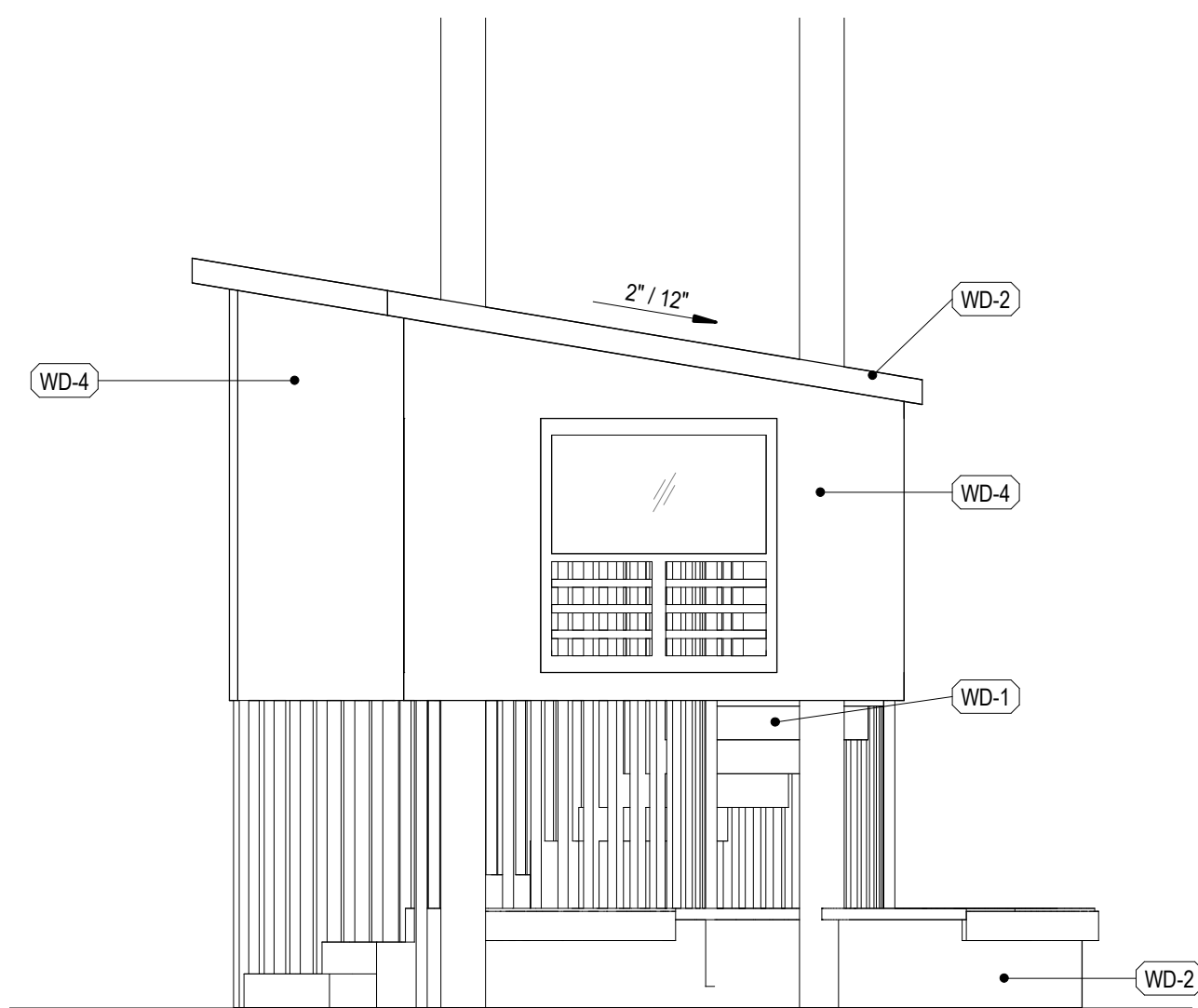


6 READLING LOFT - UPPER  
1/2" = 1'-0"

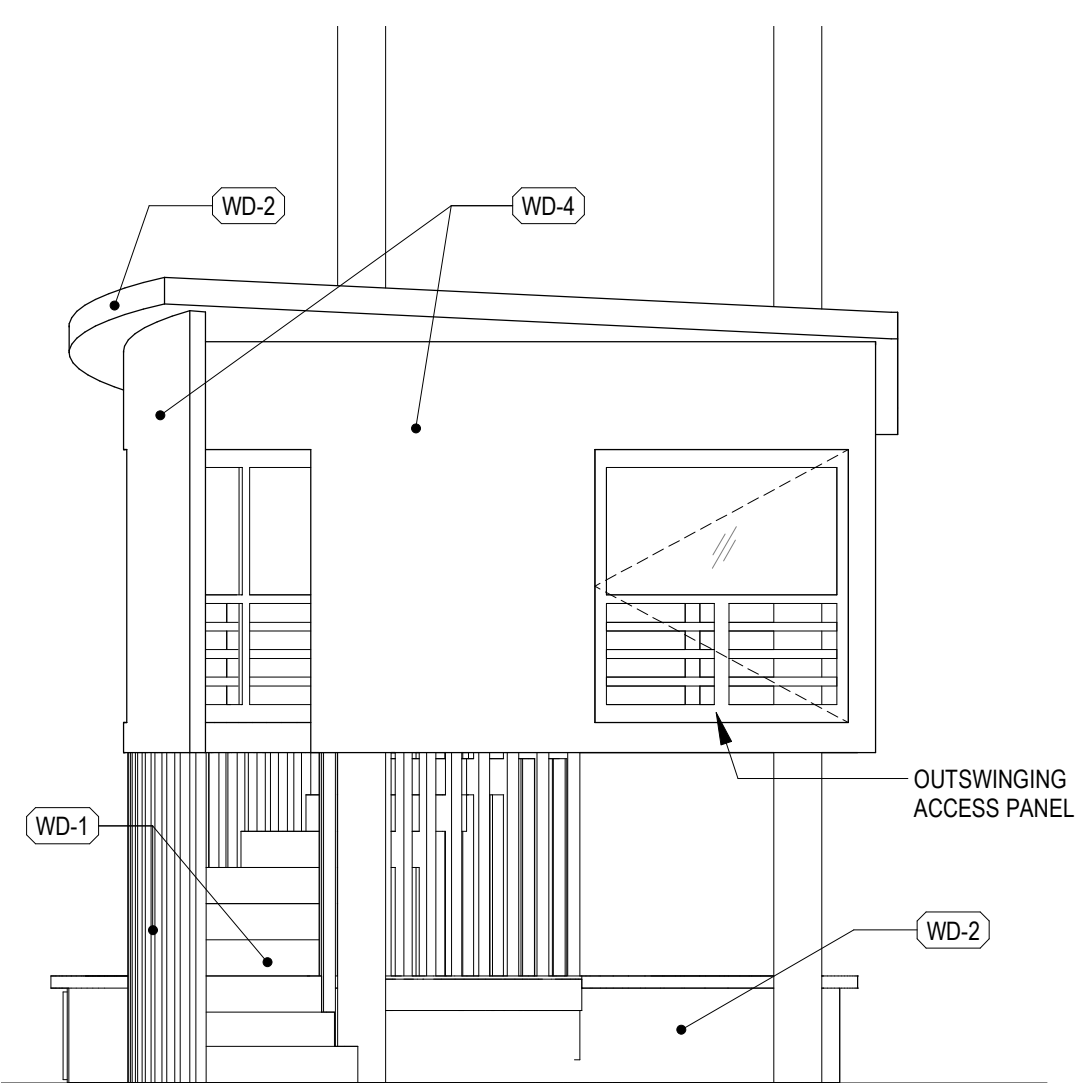
5 READLING LOFT - BASE  
1/2" = 1'-0"



3 READING LOFT - S  
3/8" = 1'-0"



2 READING LOFT - E  
3/8" = 1'-0"



1 READING LOFT - N  
3/8" = 1'-0"

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[illegible]

## INTERIOR DETAILS

SHEET #

# A71.04









TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR LATEST CATALOG. ALTERNATE CONNECTORS CONFORMING WITH IBC SECTION 2303.5 & 2304.10.3, THAT MEET OR EXCEED THE SPECIFIED CONNECTORS' CAPACITY MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER. A CURRENT ICC-ES REPORT AND A LIST STATING THE ITEM-FORM-ITEM SUBSTITUTION AND CAPACITY COMPARISONS MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR ANY PROPOSED SUBSTITUTES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ENGINEERING COSTS RELATING TO REVIEW AND/OR RE-DESIGN TO ACCOMMODATE PROPOSED SUBSTITUTIONS. INSTALL NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, CENTER STRAP ON JOINT AND INSTALL NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER, WITH EQUAL NUMBER AND SIZE OF FASTENERS IN EACH MEMBER. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. INSTALL WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. ALL SHIMS SHALL BE SEASONED AND DRIED AND THE SAME GRADE ( MINIMUM ) AS MEMBERS CONNECTED. ALL TIMBER JOISTS AND MULTIPLE JOIST BEAMS SHALL BE CONNECTED TO FLUSH BEAMS WITH "HU" SERIES JOIST HANGERS, UNLESS OTHERWISE NOTED.

ALL TIMBER CONNECTORS IN CONTACT WITH PRESSURE-TREATED WOOD THAT USES PRESERVATIVE CHEMICALS SHALL BE MANUFACTURED FROM ZMAX STEEL BY SIMPSON ( G185 STEEL PER ASTM A653 ), OR TYPE 304 OR 316 STAINLESS STEEL. ALTERNATIVELY, CONNECTORS CAN BE POST HOT DIP GALVANIZED PER ASTM A123 OR MECHANICALLY GALVANIZED PER ASTM B695, CLASS 55 OR GREATER. STAINLESS STEEL FASTENERS SHALL BE USED WITH STAINLESS STEEL CONNECTORS, AND HOT DIP GALVANIZED FASTENERS PER ASTM A153 SHALL BE USED WITH GALVANIZED CONNECTORS.

NAILING NOT SPECIFICALLY NOTED IN DRAWINGS SHALL BE AS SHOWN IN IBC TABLE 2304.10.1. NAILS SHALL COMPLY WITH ASTM F1667. MINIMUM NAIL DIMENSIONS SHALL BE AS FOLLOWS:

<u>SIZE</u>	<u>DIAMETER</u>	<u>LENGTH</u>
6d	0.113"	2"
8d	0.131"	2 1/2"
10d	0.148"	3"
12d	0.148"	3 1/4"
16d	0.162"	3 1/2"
20d	0.192"	4"

BOLTS SHALL CONFORM TO ASTM A307. LAG SCREWS SHALL CONFORM TO ASME B18.2.1. INSTALL WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. INSTALLATION OF LAG SCREWS SHALL CONFORM TO 2015 NDS SECTION 11.1.4, AND INSTALLATION OF BOLTS SHALL CONFORM TO 2015 NDS SECTION 11.1.3. PRE-DRILL HOLES FOR LAG SCREWS TO AVOID SPLITTING.

ALL TIMBER FASTENERS IN CONTACT WITH PRESERVATIVE-TREATED OR FIRE-TREATED WOOD SHALL BE POST HOT DIP GALVANIZED PER ASTM A153.

[illegible]

## GENERAL STRUCTURAL NOTES

SHEET #

**\$00.04**

## ABBREVIATIONS

&	AND	d	PENNYWEIGHT (NAILS)	GA	GAGE, GAUGE	MATL	MATERIAL	SCHED	SCHEDULE
@	AT	(d)	DROPPED BEAM	GALV	GALVANIZED	MAX	MAXIMUM	SECT	SECTION
AB	ANCHOR BOLT	DB	DIVIDER BEAM	GB, GR BM	GRADE BEAM	MB	MACHINE BOLT	SHT	SHEET
ABV	ABOVE	D-B	DESIGN-BUILD	GEN	GENERAL	MECH	MECHANICAL	SHTHG	SHEATHING
ACI	AMERICAN CONCRETE INSTITUTE	DBA	DEFORMED BAR ANCHOR	GL, GLU LAM	GLUE LAMINATED WOOD	MF	MOMENT FRAME	SIM	SIMILAR
ADDL	ADDITIONAL	DBL	DOUBLE	GLB	GLUE LAMINATED BEAM	MFR	MANUFACTURER	SJI	STEEL JOIST INSTITUTE
ADJ	ADJACENT, ADJUSTABLE	DEG, °	DEGREE	GRD	GIRDER	MIN	MINIMUM	SOG	SLAB ON GRADE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	DEMO	DEMOLISH, DEMOLITION	GRND	GROUND	MISC	MISCELLANEOUS	SPC	SPACE, SPACED, SPACING
AISI	AMERICAN IRON AND STEEL INSTITUTE	DET	DETAIL	GSN	GENERAL STRUCTURAL NOTES	MPH	MILES PER HOUR	SPEC	SPECIFICATION
ALT	ALTERNATE	DETS	DETAILS			MTL	METAL	SPRT	SUPPORT
ANCH	ANCHOR	DF	DOUGLAS FIR	HD	HOLDOWN			SQ	SQUARE
APA	AMERICAN PLYWOOD ASSOCIATION	DIA	DIAMETER	HDR	HEADER	NF	NEAR FACE	SST	STAINLESS STEEL
APPROX	APPROXIMATE	DIAG	DIAGONAL	HGR	HANGER	NIC	NOT IN CONTRACT	SSH	SHORT SLOTTED HOLE
AR	ANCHOR ROD	DIAPH	DIAPHRAGM	HK	HOOK	NLG	NAILING	STAG	STAGGER, STAGGERED
ARCH	ARCHITECT, ARCHITECTURAL	DICA	DRILLED-IN CONCRETE ANCHOR	HK	HORIZ	NOM	NOMINAL	STD	STANDARD
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	DIM	DIMENSION	HPT	HORIZONTAL	NO, #	NUMBER	STIFF	STIFFENER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	DIST	DISTANCE	HSB	HIGH POINT	N-S	NORTH-SOUTH	STIR	STIRRUP
AWS	AMERICAN WELDING SOCIETY	DL	DEAD LOAD	HSS	HIGH STRENGTH BOLT	NS	NEAR SIDE	STL	STEEL
		DN	DOWN	HT	HOLLOW STRUCTURAL SECTION	NTS	NOT TO SCALE	STRUCT	STRUCTURAL
		DO	DITTO		HEIGHT			SW	SHEAR WALL
B/	BOTTOM OF	DP	DEEP					SWS	SHEAR WALL SCHEDULE
BAL	BALANCE	DS	DRAG STRUT	IBC	INTERNATIONAL BUILDING CODE	OC	ON CENTER	SYMM	SYMMETRICAL, SYMMETRY
BC	BOTTOM CHORD	DWG	DRAWING	ID	INSIDE DIAMETER	OD	OUTSIDE DIAMETER		
BF	BRACED FRAME	DWL	DOWEL	I.F.	INSIDE FACE	O.F.	OUTSIDE FACE		
BLDG	BUILDING	DWLS	DOWELS	I.J.	ISOLATION JOINT	OPNG	OPENING	T/	TOP OF
BLKG	BLOCKING			IN, "	INCH	OPP	OPPOSITE	T&B	TOP AND BOTTOM
BM	BEAM			INCL	INCLUDE	OSB	ORIENTED STRAND LUMBER	T&G	TONGUE AND GROOVE
BOF	BOTTOM OF FOOTING	(E), EXIST	EXISTING	INFO	INFORMATION	OSH	OVERSIZED HOLE	TBD	TO BE DETERMINED
BOT	BOTTOM	EA	EACH, EPOXY (ADHESIVE) ANCHOR	INT	INTERIOR	OWJ	OPEN WEB JOIST	TC	TOP CHORD
BP, B PL	BASE PLATE	EE	EACH END					TEMP	TEMPERATURE
BRG	BEARING	EF	EACH FACE					THK	THICK, THICKNESS
BTWN	BETWEEN	EJ	EXPANSION JOINT	JST	JOIST	PA	POWDER ACTUATED	THP	TENDON HIGH POINT
BU	BUILT-UP	EL	ELEVATION	JSTS	JOISTS	PCC	PRECAST CONCRETE	THRU	THROUGH
		ELEC	ELECTRICAL	JT	JOINT	PCF	POUNDS PER CUBIC FOOT	TOC	TOP OF CONCRETE
		ELEV	ELEVATOR			PEN	PENETRATION	TOF	TOP OF FOOTING
		EMBED	EMBEDMENT			PERP	PERPENDICULAR	TOS	TOP OF STEEL
C	CAMBER, CHANNEL	ENGR	ENGINEER	K	KIP (1,000 LB)	PL	PLATE, PROPERTY LINE	TOW	TOP OF WALL
CA	CONCRETE (EXPANSION) ANCHOR	EQ	EQUAL	KSF	KIPS PER SQUARE FOOT	PLCS	PLACES	TR	THREADED ROD
CANTIL	CANTILEVER	EQUIP	EQUIPMENT	KSI	KIPS PER SQUARE INCH	PLF	POUNDS PER LINEAR FOOT	TRANS	TRANSVERSE
CAP	CAPACITY	ES	EACH SIDE			PLWD	PLYWOOD	TYP	TYPICAL
CC	CENTER-TO-CENTER	ETC	ET CETERA	L	LENGTH, ANGLE	PNL	PANEL	TWS	THREADED WELDED STUD
CDF	CONTROL DENSITY FILL	E-W	EAST-WEST	LB, #	POUND	PP, PJP	PARTIAL JOINT PENETRATION		
CG	CENTER OF GRAVITY	EW	EACH WAY	LEV	LEVEL	PRCST	PRECAST		
CIP	CAST-IN-PLACE	EXP	EXPANSION	LF	LINEAL FOOT	PREFAB	PREFABRICATED	UNO	UNLESS NOTED OTHERWISE
CJ	CONTROL JOINT, CONSTRUCTION JOINT	EXT	EXTERIOR	LL	LIVE LOAD	PS	PRESTRESSED CONCRETE		
CJP, CP	COMPLETE JOINT PENETRATION	EXT GR	EXTERIOR GRADE	LLB	LONG LEGS BACK TO BACK	PSF	POUNDS PER SQUARE FOOT	VERT	VERTICAL
CL	CENTERLINE			LLH	LONG LEG HORIZONTAL	PSI	POUNDS PER SQUARE INCH		
CLR	CLEAR			LLV	LONG LEG VERTICAL	PSL	PARALLEL STRAND LUMBER		
CMU	CONCRETE MASONRY UNIT			LOC	LOCATION, LOCATE	P-T	POINT, PRESSURE TREATED	W/	WITH
COL	COLUMN	FB	FLUSH BEAM	LOCS	LOCATIONS	PT	POST-TENSIONED	W	WIDTH, WIDE FLANGE
COLS	COLUMNS	FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	LONGIT	LONGITUDINAL	PVC	POLYVINYL CHLORIDE	WF	WIDE FLANGE
CONC	CONCRETE	FF	FINISH FLOOR	LP	LOW POINT			WD	WOOD
CONN	CONNECTION	FIN	FINISH	LPT	LOW POINT	R, RAD	RADIUS	WHS	WELDED HEADED STUD
CONST	CONSTRUCTION	FLR	FLOOR	LSH	LONG SLOTTED HOLE	RD	ROOF DRAIN	WIJ	WOOD I-JOIST
CONT	CONTINUE, CONTINUOUS	FLG	FLANGE	LSL	LAMINATED STRAND LUMBER	REBAR	REINFORCING STEEL BARS	W/O	WITHOUT
CONTR	CONTRACTOR	FOS	FACE OF STUD	LVL	LAMINATED VENEER LUMBER	REF	REFERENCE	WP	WORK POINT
COORD	COORDINATE	FS	FAR SIDE			REINF	REINFORCE, REINFORCING	WT	WEIGHT
CRSI	CONCRETE REINFORCED STEEL INSTITUTE	FT, '	FEET			REM	REMAINDER	WWR	WELDED WIRE REINFORCEMENT
CTR	CENTER, CENTERED	FTG	FOOTING			REQD	REQUIRED		
CU YD	CUBIC YARD	FTGS	FOOTINGS			RM BD	RIM BOARD		
						RTN	RETURN		

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 SILVERDALE, WA 98383

[illegible]

## ABBREVIATIONS

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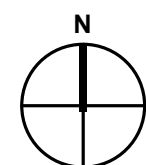
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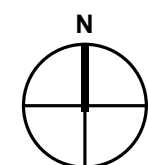
FLOOR PLAN -  
BASEMENT AND  
LEVEL 3

SHEET #

# S21.11



**LEVEL 3 FRAMING PLAN**  
1/8" = 1'-0"



**BASEMENT FLOOR PLAN**  
1/8" = 1'-0"

NOTE 2 PROVIDE SIMPSON LTT WALL ANCHORS NAILED TO BLOCKING AND ANCHORED TO WALL WITH EPOXY-GROUTED RODS @ 8'-0" ON CENTER WHERE WOOD JOISTS ARE PERPENDICULAR TO THE MASONRY OF CONCRETE WALL.

ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS OF EXISTING STRUCTURAL COMPONENTS ARE BASED ON INFORMATION GATHERED FROM ORIGINAL DRAWINGS OR CURSORY FIELD MEASUREMENTS AND ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL CONDITIONS PRIOR TO COMMENCING ANY WORK. NOTIFY ENGINEER WHERE CONDITIONS VARY FROM THOSE SHOWN.



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## FLOOR PLAN - LEVEL 1

SHEET #

# S21.12



- PLAN NOTES:
1. SLAB-ON-GRADE INFILL SHALL MATCH EXISTING SLAB THICKNESS. CONTRACTOR SHALL COORDINATE W/ ELEC/MECH/ AND PLUMBING DRAWINGS FOR LOCATIONS OF UNDER-SLAB TRENCHES. INFILL PER 7/S50.02
  2. ITEMS MARKED AS "ALT #1" ARE INCLUDED IN BID ALTERNATE #1 AND SHALL NOT BE INCLUDED IN THE BASE BID.
  3. NEW OPENING IN EXISTING CMU WALL. CONTRACTOR TO COORDINATE LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL. SEE 4/S50.31 FOR HEADER DETAIL. SEE 3/S50.31 FOR VENEER LEDGER.

**SHEET NOTE:**

ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS OF EXISTING STRUCTURAL COMPONENTS ARE BASED ON INFORMATION GATHERED FROM ORIGINAL DRAWINGS OR CURSORY FIELD MEASUREMENTS AND ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL CONDITIONS PRIOR TO COMMENCING ANY WORK. NOTIFY ENGINEER WHERE CONDITIONS VARY FROM THOSE SHOWN.



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SHEET :



# S21.13



- PLAN NOTES

1. PROVIDE SIMPSON LTT WALL ANCHORS NAILED TO BLOCKING AND ANCHORED TO WALL PER 7/S50.50 WHERE WOOD JOISTS ARE PARALLEL TO THE MASONRY OR CONCRETE WALL.
2. PROVIDE SIMPSON LTT WALL ANCHORS NAILED TO BLOCKING AND ANCHORED TO WALL PER 4/S50.50 WHERE WOOD JOISTS ARE PERPENDICULAR TO THE MASONRY OR CONCRETE WALL.
3. NEW OPENING IN EXISTING CMU WALL.  
CONTRACTOR TO COORDINATE LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL. SEE 4/S50.31 FOR HEADER DETAIL. SEE 3/S50.31 FOR VENEER LEDGER.
4. FLOOR CONSISTS OF 3/4" T&G SHEATHING (PANEL SPAN RATING 48/24) NAIL SHEATHING AT ALL PANE EDGES WITH 10d @ 6" OC NAIL SHEATHING AT ALL INTERMEDIATE SUPPORTS W/ 10d @ 10" OC GLUE SHEATHING AT ALL SUPPORTS W/ ADHESIVE CONFORMING TO A.P.A SPECIFICATION AFG-01.
5. FLOOR JOISTS SHALL BE 2x12 @ 16" OC PROVIDE DOUBLE JOISTS BELOW WALLS.

### LEGEND

-  CONCRETE WALL THIS LEVEL
-  CONCRETE MASONRY WALL THIS LEVEL

SHEET NOTE:

ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS OF EXISTING STRUCTURAL COMPONENTS ARE BASED ON INFORMATION GATHERED FROM ORIGINAL DRAWINGS OR CURSORY FIELD MEASUREMENTS AND ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL CONDITIONS PRIOR TO COMMENCING ANY WORK. NOTIFY ENGINEER WHERE CONDITIONS VARY FROM THOSE SHOWN.

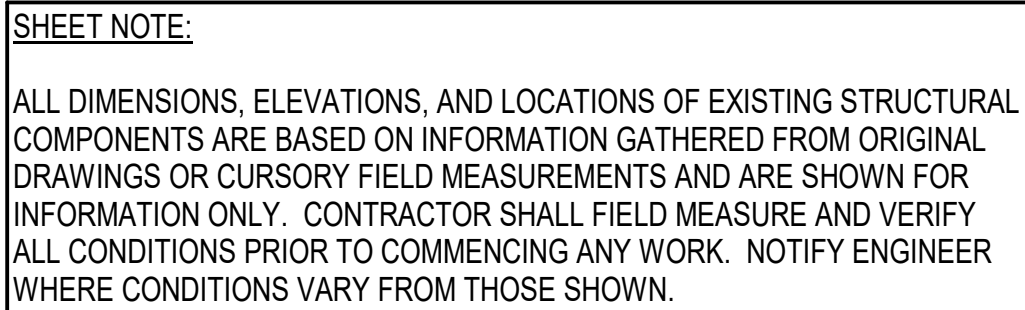


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SHEET #

# S21.14





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PROJECT #	262019.034
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## PERMIT ISSUE

ISSUE DATE DECEMBER 23, 2019

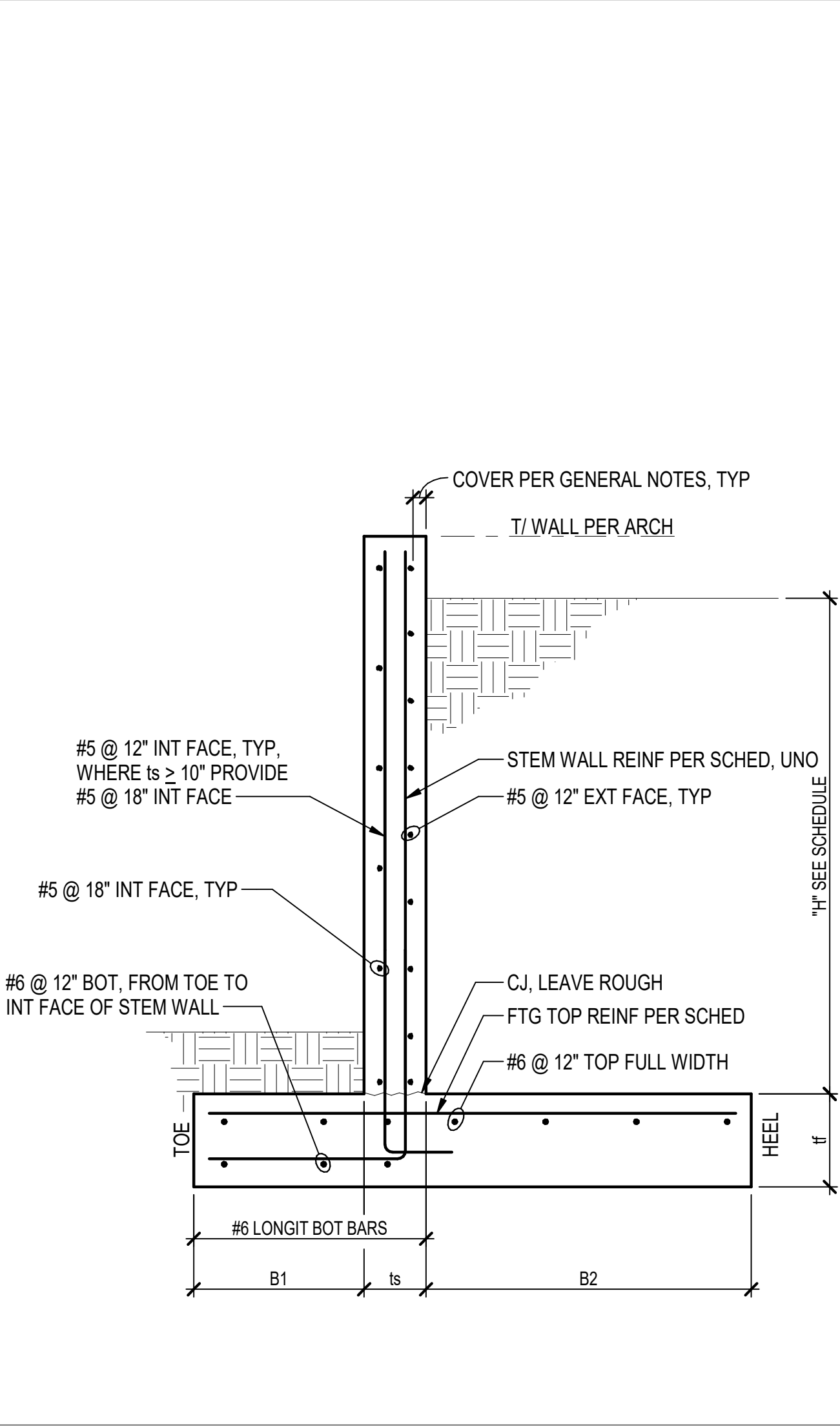
## REVISION SCHEDULE

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## TYPICAL CONCRETE DETAILS

SHEET #

**\$50.00**

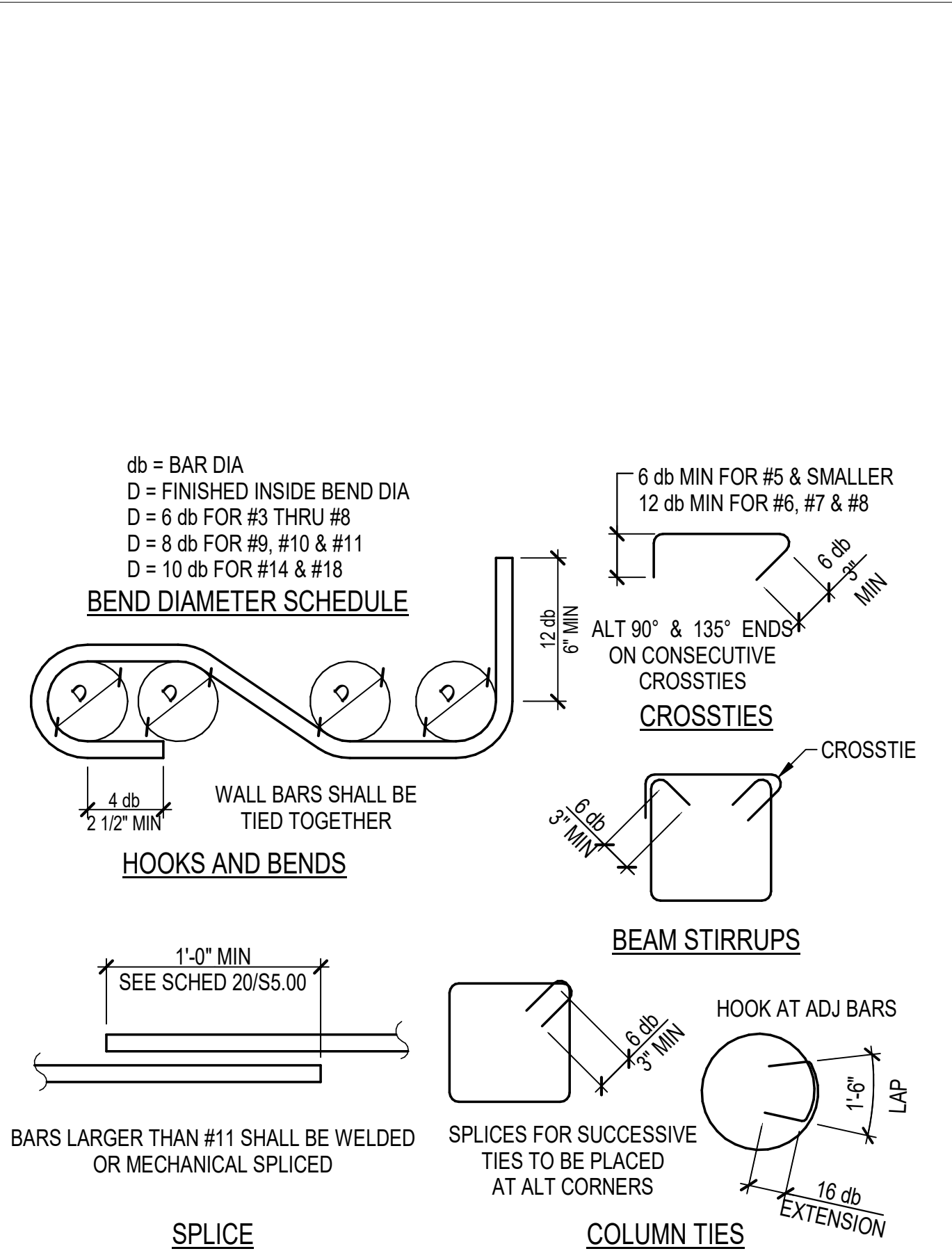
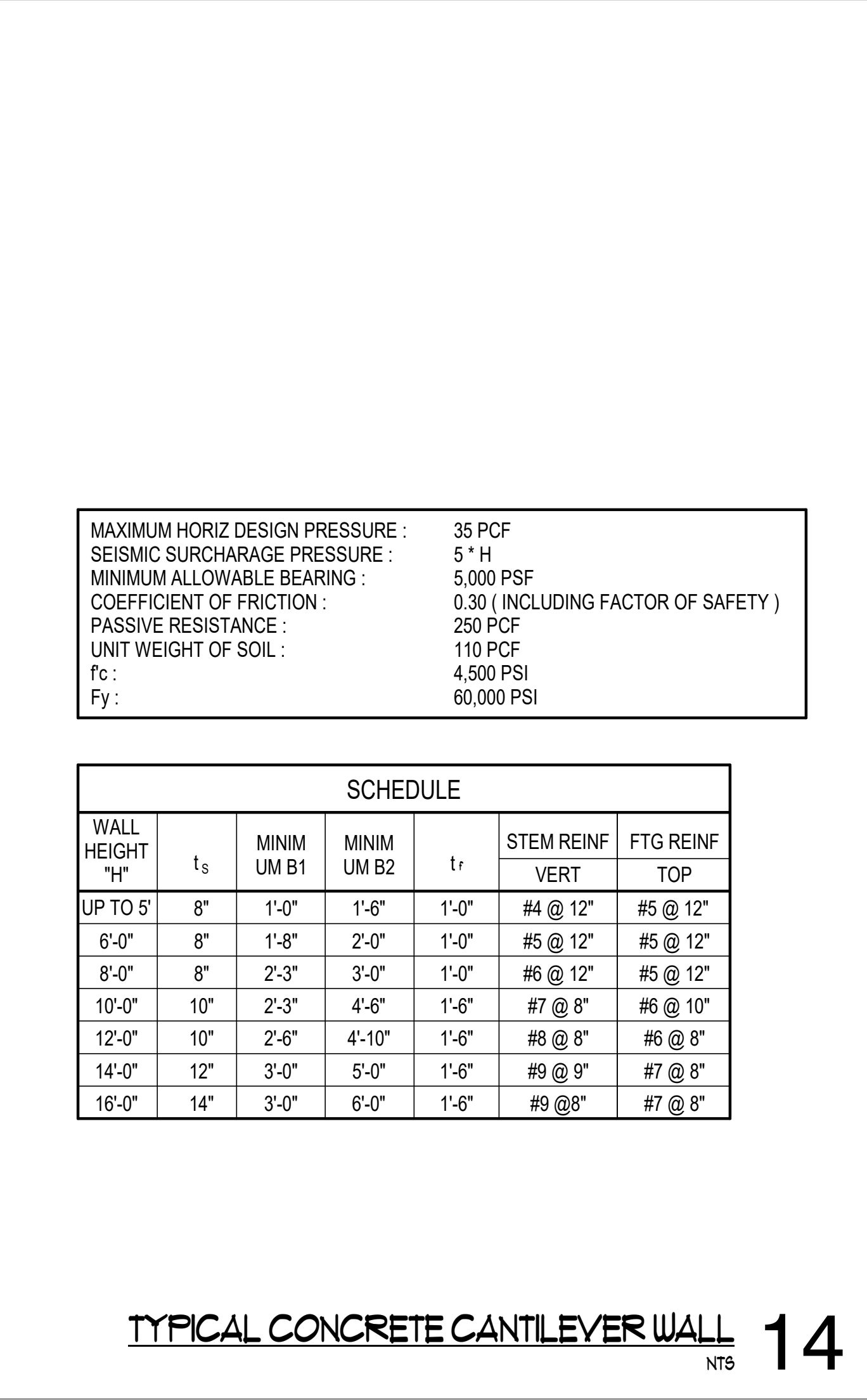


MAXIMUM HORIZ DESIGN PRESSURE :	35 PCF
SEISMIC SURCHARGE PRESSURE :	5 " H
MINIMUM ALLOWABLE BEARING :	5,000 PSF
COEFFICIENT OF FRICTION :	0.30 ( INCLUDING FACTOR OF SAFETY )
PASSIVE RESISTANCE :	250 PCF
UNIT WEIGHT OF SOIL :	110 PCF
fc :	4,500 PSI
Fy :	60,000 PSI

SCHEDULE						
WALL HEIGHT "H"	t <sub>s</sub>	MINIM UM B1	MINIM UM B2	t <sub>f</sub>	STEM REINF	FTG REINF
					VERT	TOP
UP TO 5'	8"	1'-0"	1'-6"	1'-0"	#4 @ 12"	#5 @ 12"
6'-0"	8"	1'-8"	2'-0"	1'-0"	#5 @ 12"	#5 @ 12"
8'-0"	8"	2'-3"	3'-0"	1'-0"	#6 @ 12"	#5 @ 12"
10'-0"	10"	2'-3"	4'-6"	1'-6"	#7 @ 8"	#6 @ 10"
12'-0"	10"	2'-6"	4'-10"	1'-6"	#8 @ 8"	#6 @ 8"
14'-0"	12"	3'-0"	5'-0"	1'-6"	#9 @ 9"	#7 @ 8"
16'-0"	14"	3'-0"	6'-0"	1'-6"	#9 @8"	#7 @ 8"

## TYPICAL CONCRETE CANTILEVER WALL

NTS 14



## TYP REINFORCING BAR BEND AND LAP DETAILS


ENTS


FOOTING SCHEDULE						
MARK	WIDTH	LENGTH	DEPTH	BOTTOM REINFORCING	TOP REINFORCING	REMARKS
<F1>	-	-	-	-	-	-

## FOOTING SCHEDULE

NTS

15

MINIMUM STRAIGHT DEVELOPMENT LENGTH ( $L_b$ ) 			
$f'_c = 4,000 \text{ to } 5,000 \text{ PSI}$			
BAR SIZE	TOP BARS	OTHER BARS	
# 3	19"	15"	
# 4	25"	19"	
# 5	31"	24"	
# 6	37"	29"	
# 7	54"	42"	
# 8	62"	48"	
# 9	70"	54"	
# 10	79"	61"	
# 11	87"	67"	

 "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.

IF CLEAR CONCRETE COVER IS LESS THAN 1x THE DIAMETER OF THE BAR OR THE CENTER-TO-CENTER SPACING IS LESS THAN ( 3 ) BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 50%.

MINIMUM LAP SPLICE LENGTHS ( $L_b$ ) ( CLASS B )			
fc = 4,000 to 5,000 PSI			
BAR SIZE	TOP BARS	OTHER BARS	
# 3	25"	19"	
# 4	33"	25"	
# 5	40"	31"	
# 6	48"	37"	
# 7	71"	54"	
# 8	81"	62"	
# 9	91"	70"	
# 10	103"	79"	
# 11	114"	87"	

✦ "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.

IF CLEAR CONCRETE COVER IS LESS THAN 1x THE DIAMETER OF THE BAR OR THE CENTER-TO-CENTER SPACING IS LESS THAN ( 3 ) BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 50%.

III	MINIMUM EMBEDMENT LENGTHS ( $L_{dh}$ ) FOR STANDARD END HOOKS	
	A. FOR GENERAL USES:	
	BAR SIZE	$f_c = 4,000$ to 5,000 PSI
	# 3	6"
	# 4	7"
	# 5	9"
	# 6	10"
	# 7	12"
	# 8	14"
	# 9	15"
	# 10	17"
	# 11	19"

NOTES:

1. SIDE COVER MUST BE EQUAL TO OR GREATER THAN 2 1/2".
2. END COVER FOR 90 DEGREE HOOKS MUST BE EQUAL TO OR GREATER THAN 2"

## DEVELOPMENT AND SPLICE LENGTH TABLES

NTS

16



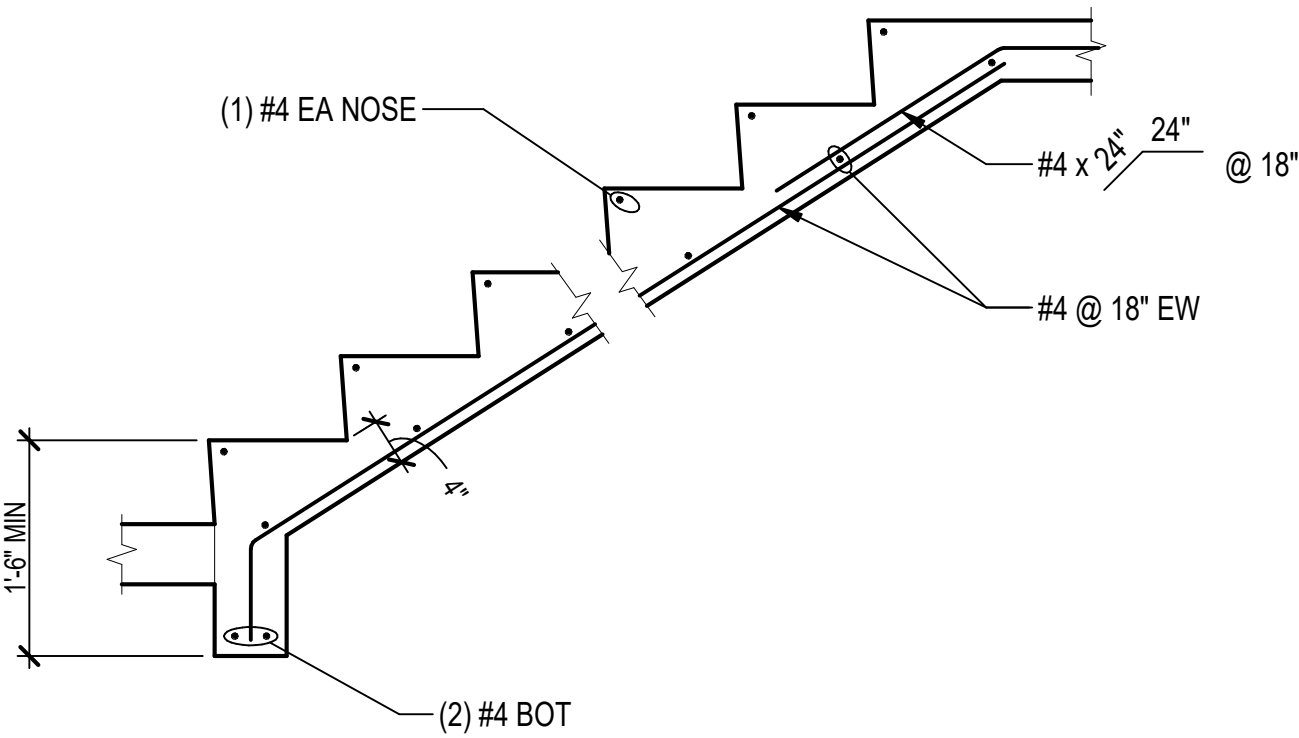
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## TYPICAL CONCRETE DETAILS

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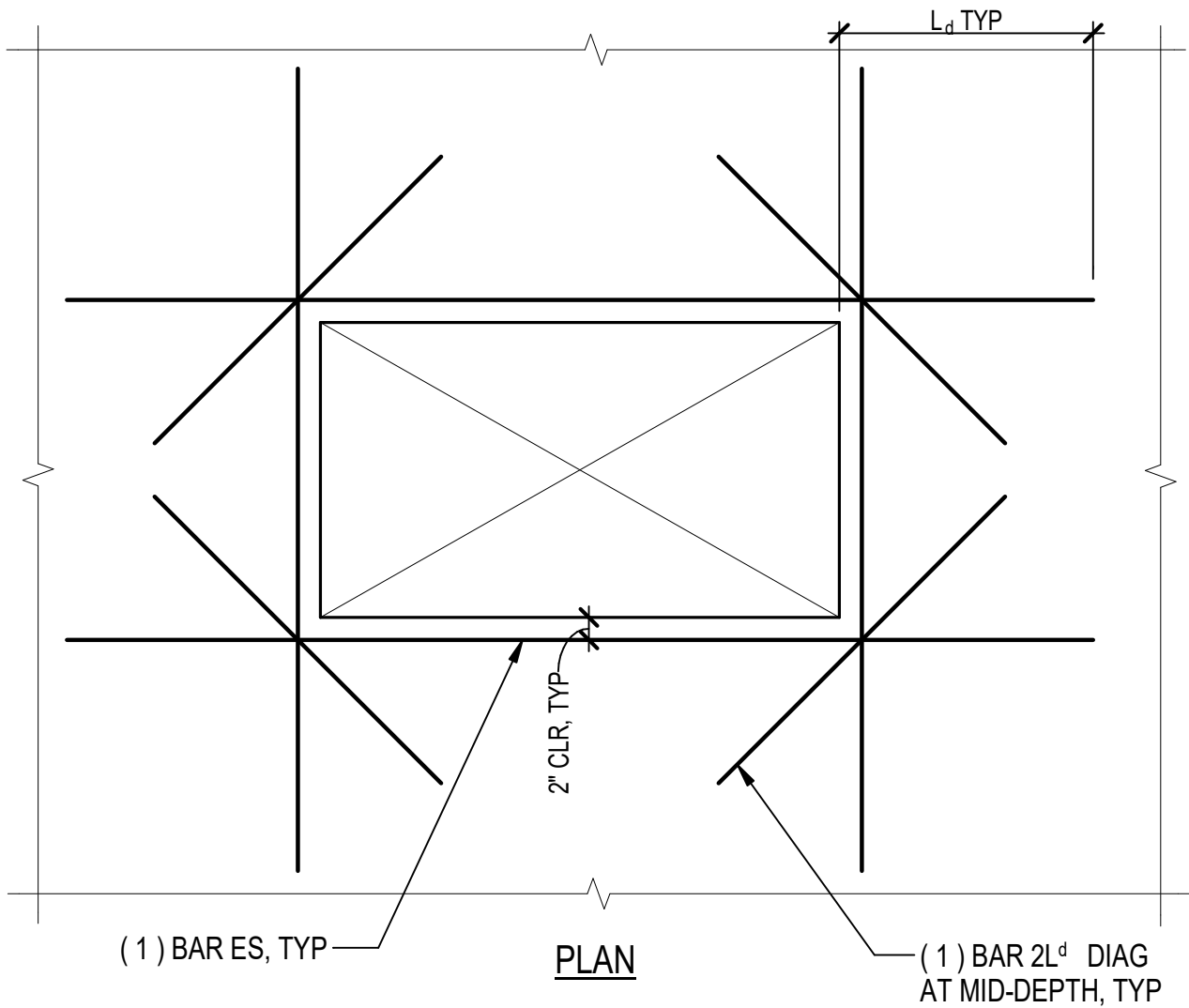
**S50.01**



NOTE:

1. SEE ARCHITECTURAL DRAWINGS FOR STAIR TREAD AND RISER INFORMATION.

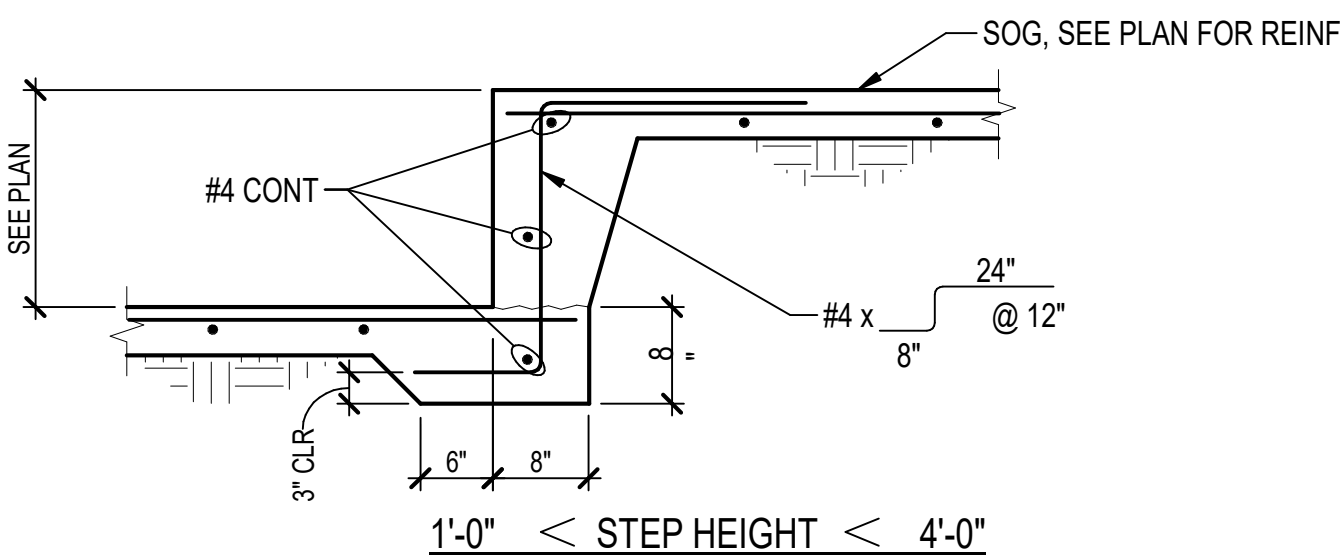
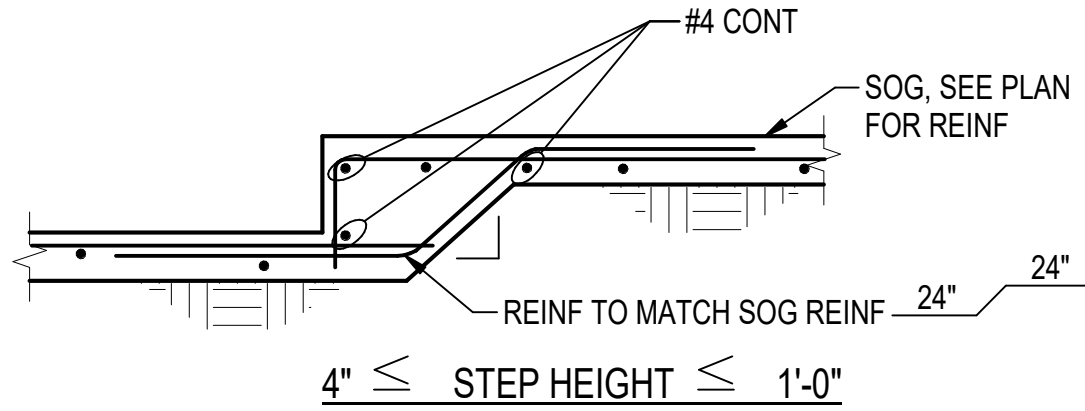
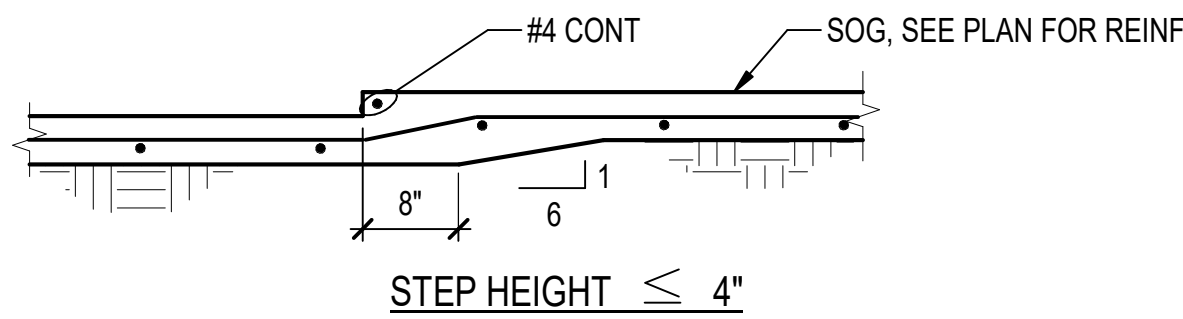
## TYPICAL STAIR ON GRADE DETAIL



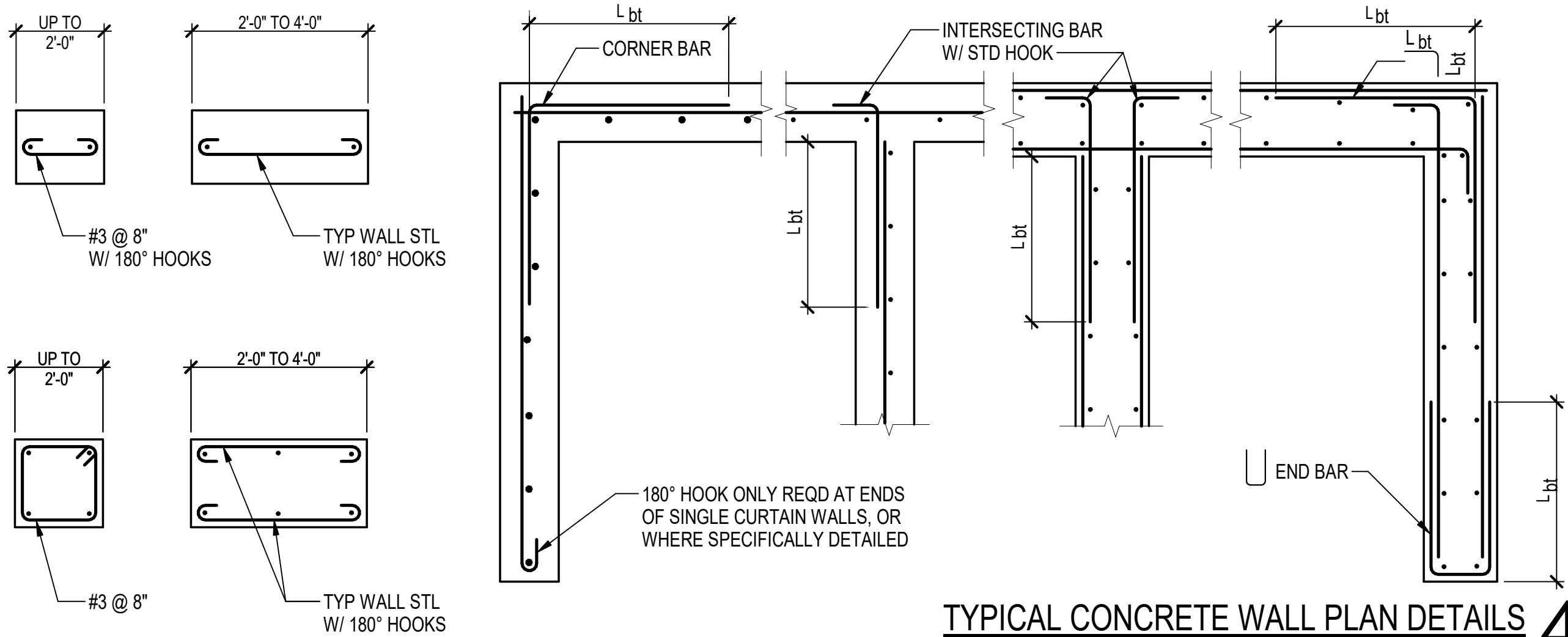
NOTES:

1. BAR SIZE TO MATCH SLAB REINFORCING, USE #4 AT WWR.
2. IF TWO LAYERS OF STEEL IN SLAB, PROVIDE OPENING REINFORCEMENT FOR EACH LAYER.

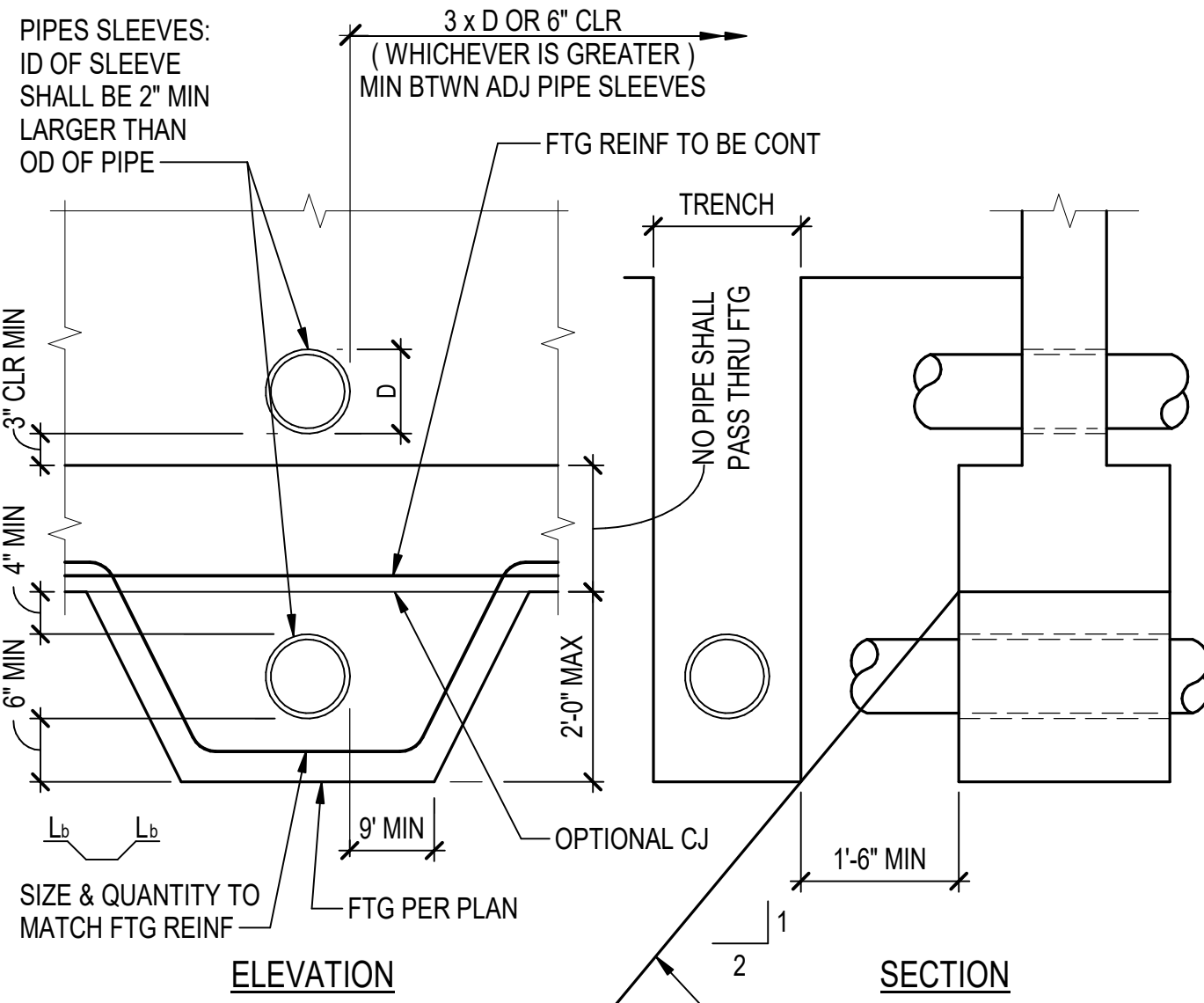
## TYP REINFORCING AT SLAB ON GRADE OPENING 6



## TYPICAL SLAB ON GRADE STEP DETAILS 14



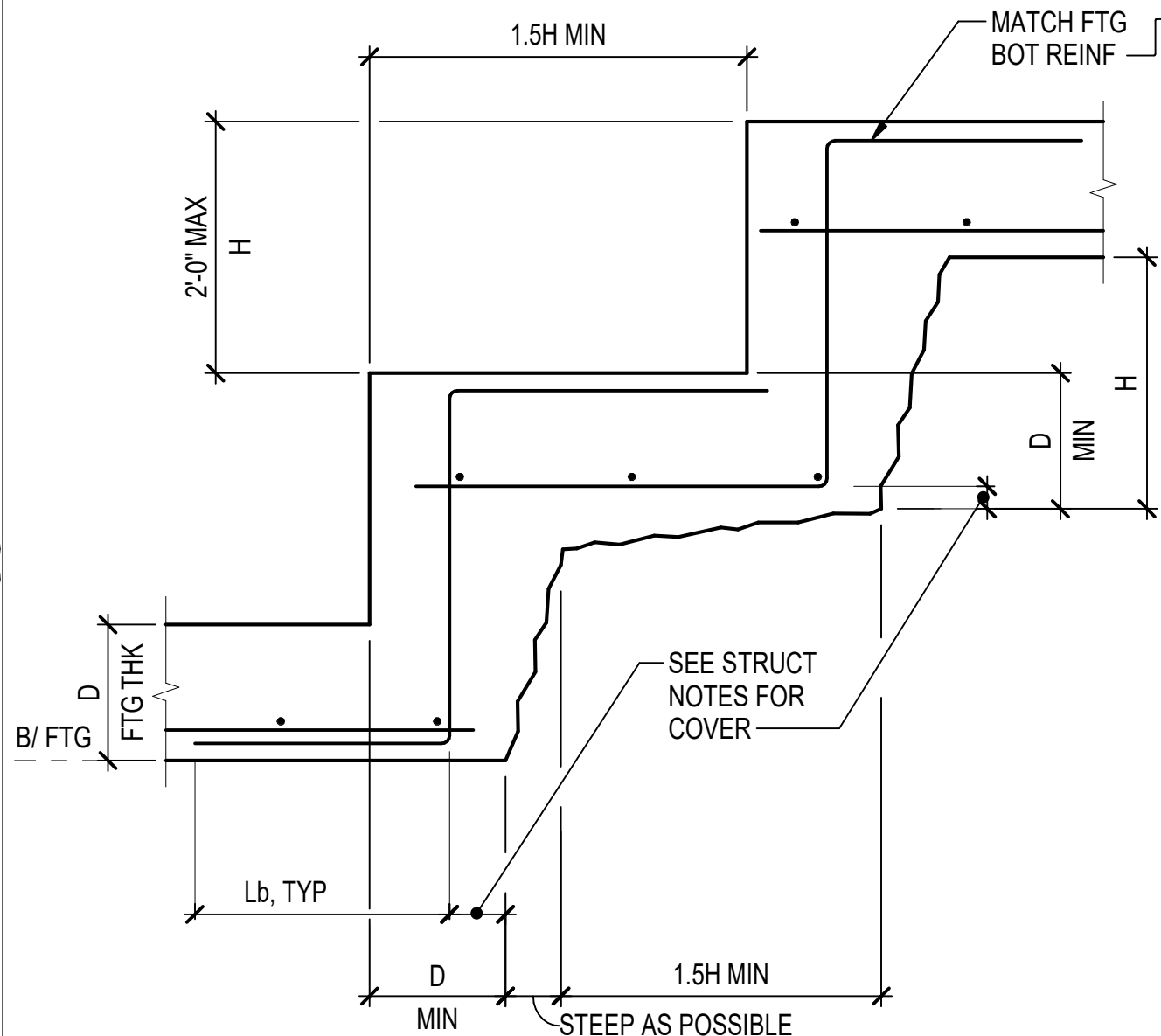
## TYPICAL CONCRETE WALL PLAN DETAILS 4



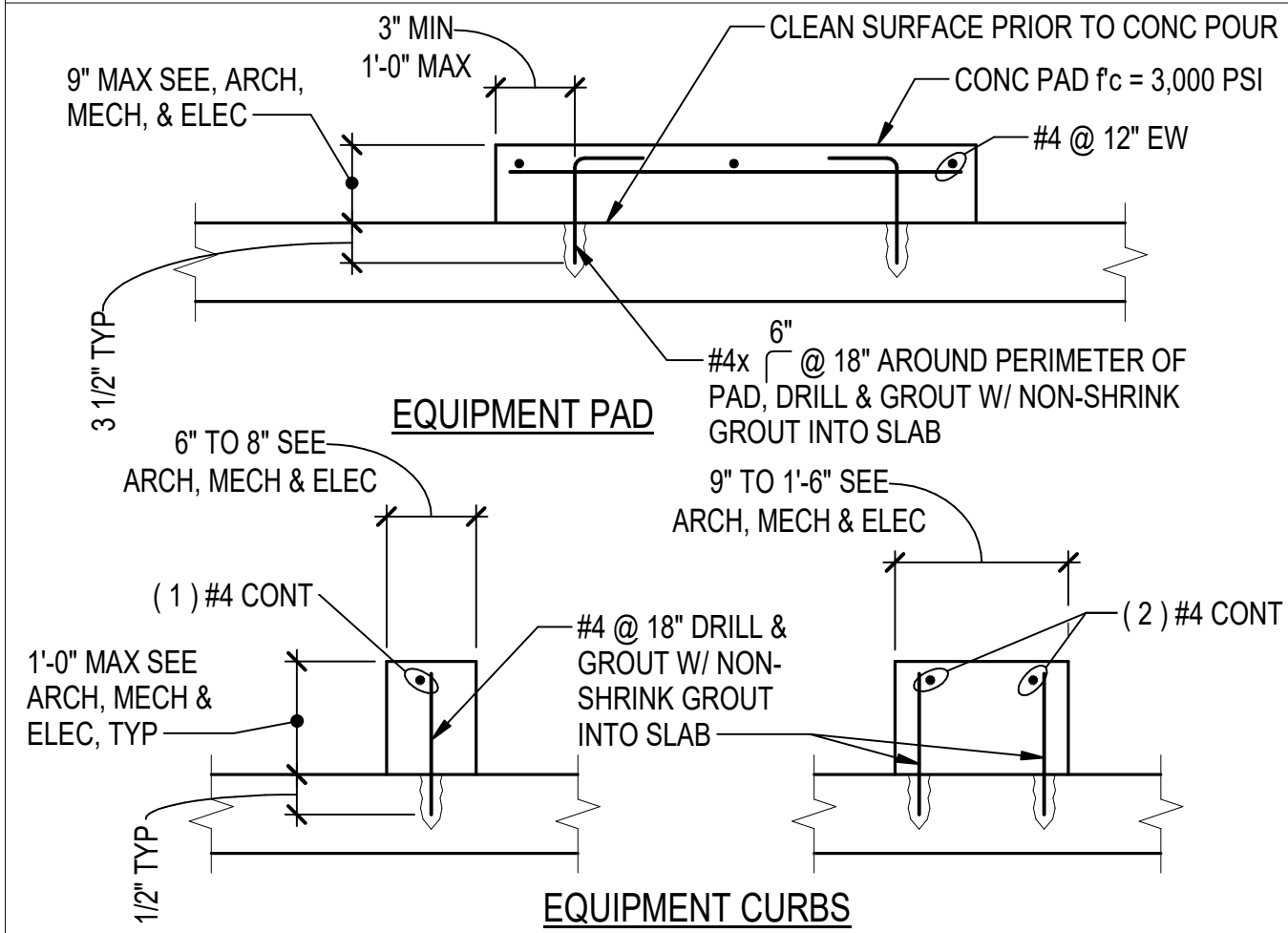
## NOTES

1. PIPE MUST RUN PERPENDICULAR THROUGH WALL. PARALLEL TO FTG NOT ALLOWED BELOW THIS LINE
2. MAXIMUM SLEEVE DIAMETER EQUAL TO 8".

## TYPICAL PIPE ENCASEMENT AT FOOTING 15



TYPICAL STEPPED FOOTING DETAIL 16  
NTS



## CURB AND PAD ON CONCRETE SLAB DETAILS 13

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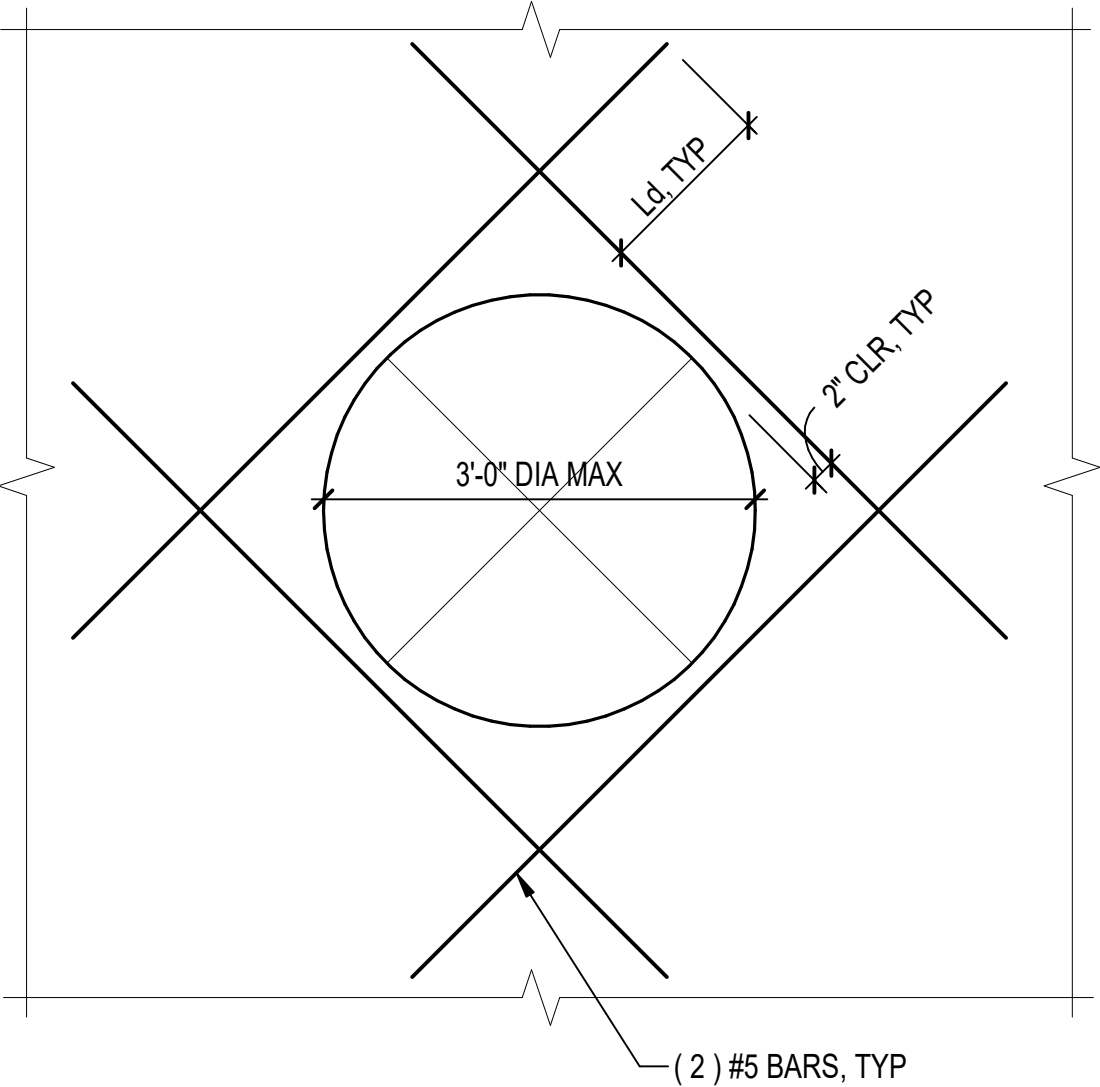
**Reid Middleton**  
728 134th Street SW, Suite 200  
Everett, Washington 98204  
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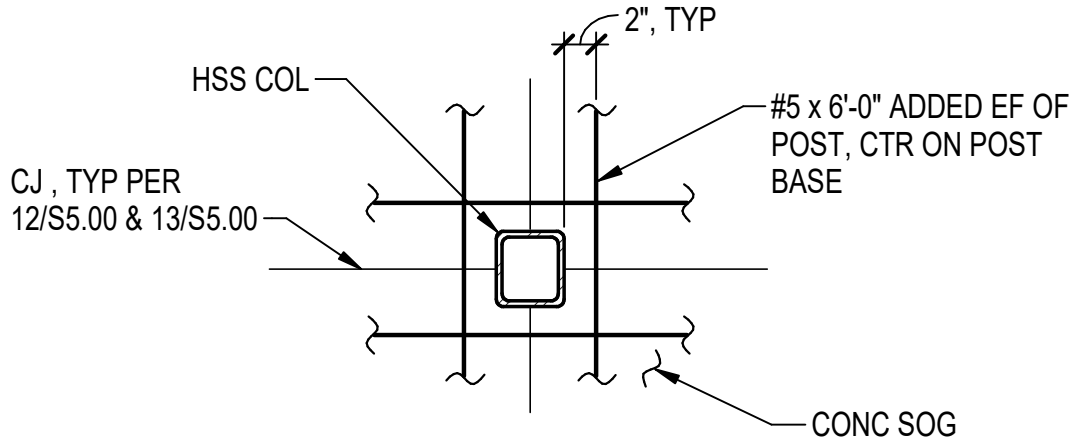
# TYPICAL CONCRETE DETAILS

**S50.02**



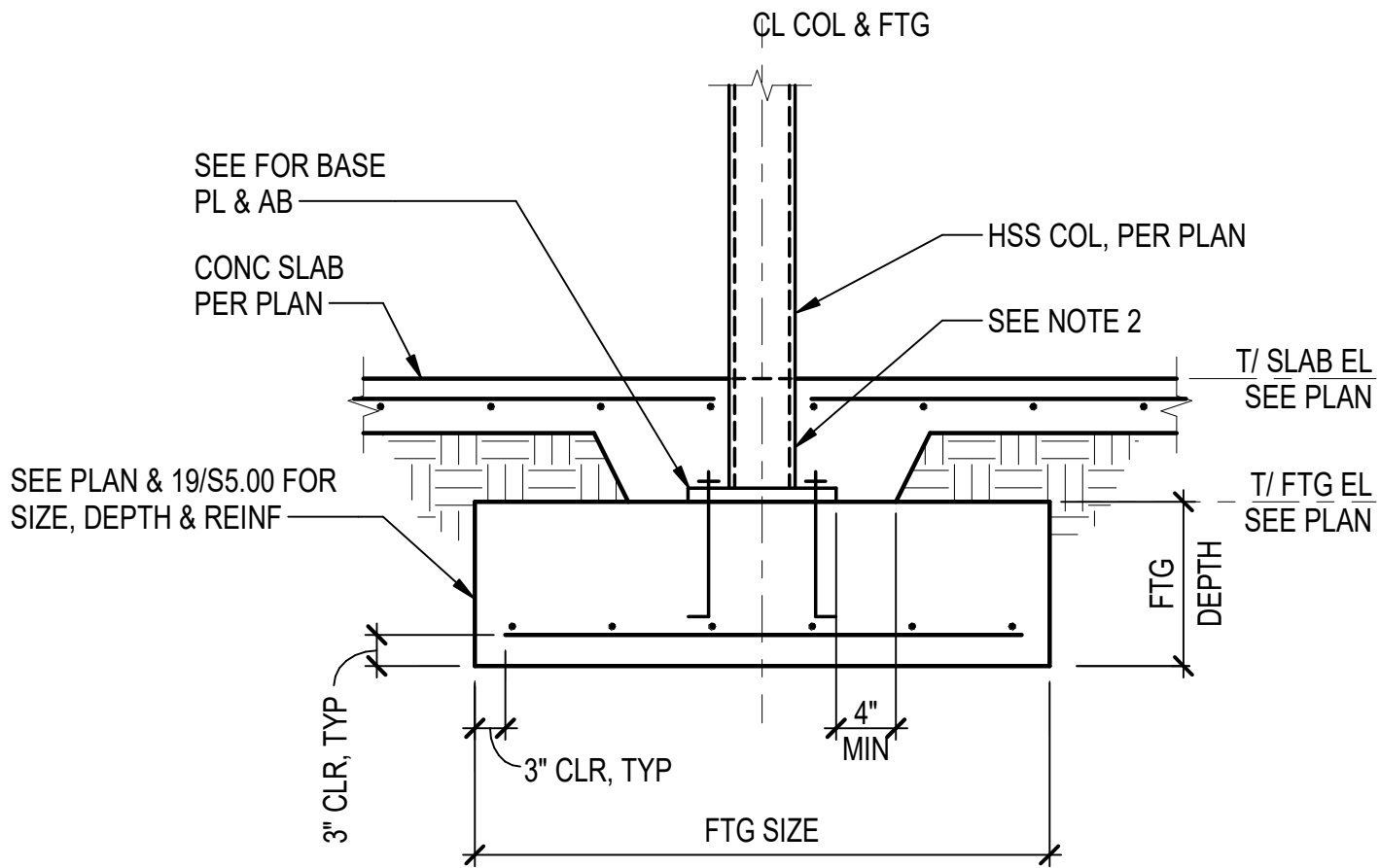
- NOTES:
1. HORIZONTAL AND VERTICAL WALL REINFORCING NOT SHOWN FOR CLARITY.
  2. TERMINATE INTERRUPTED HORIZONTAL AND VERTICAL REINFORCEMENT WITH A STANDARD HOOK.
  3. REFER TO CIVIL AND MECHANICAL DRAWINGS FOR LOCATIONS OF PIPE PENETRATIONS.

## REINFORCING AT PIPE PENETRATION IN WALL 6

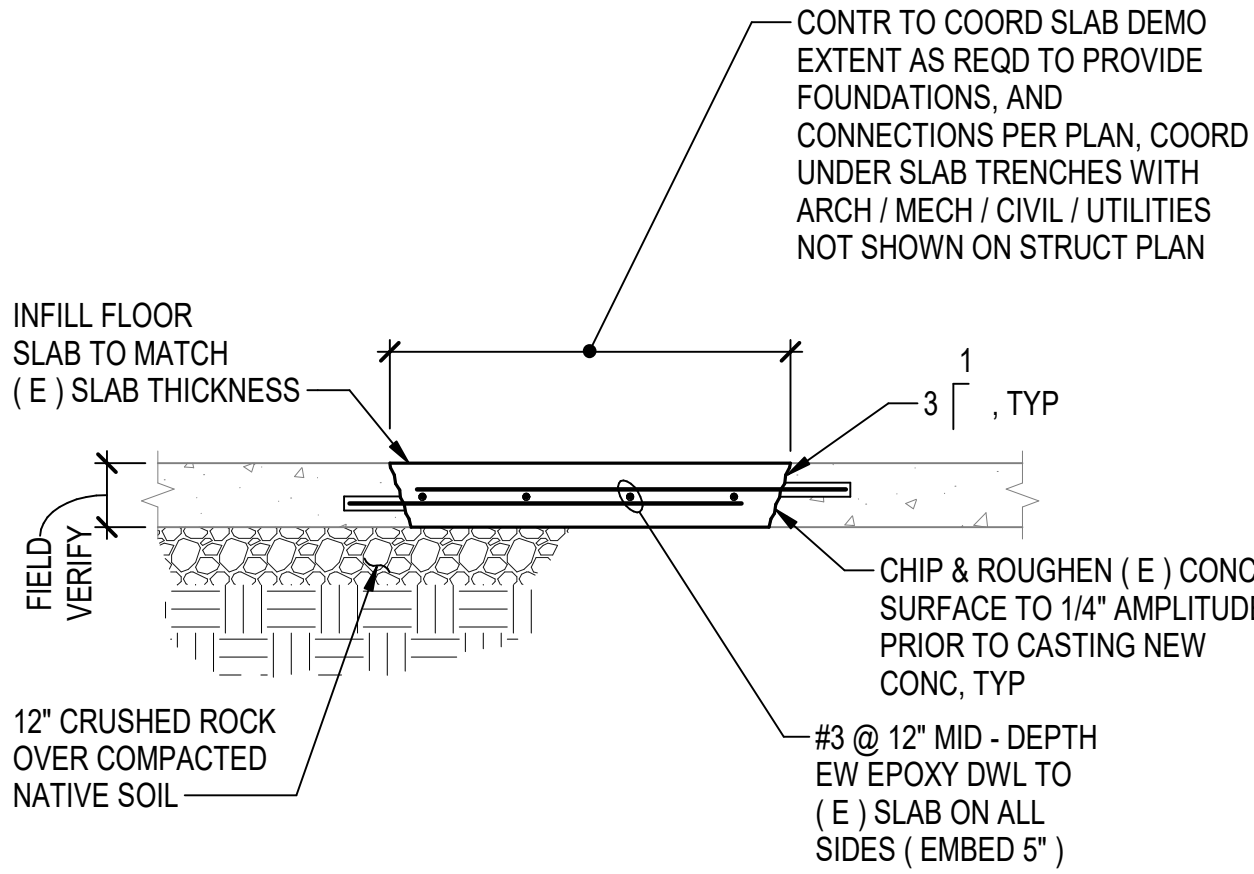


**NOTE:**

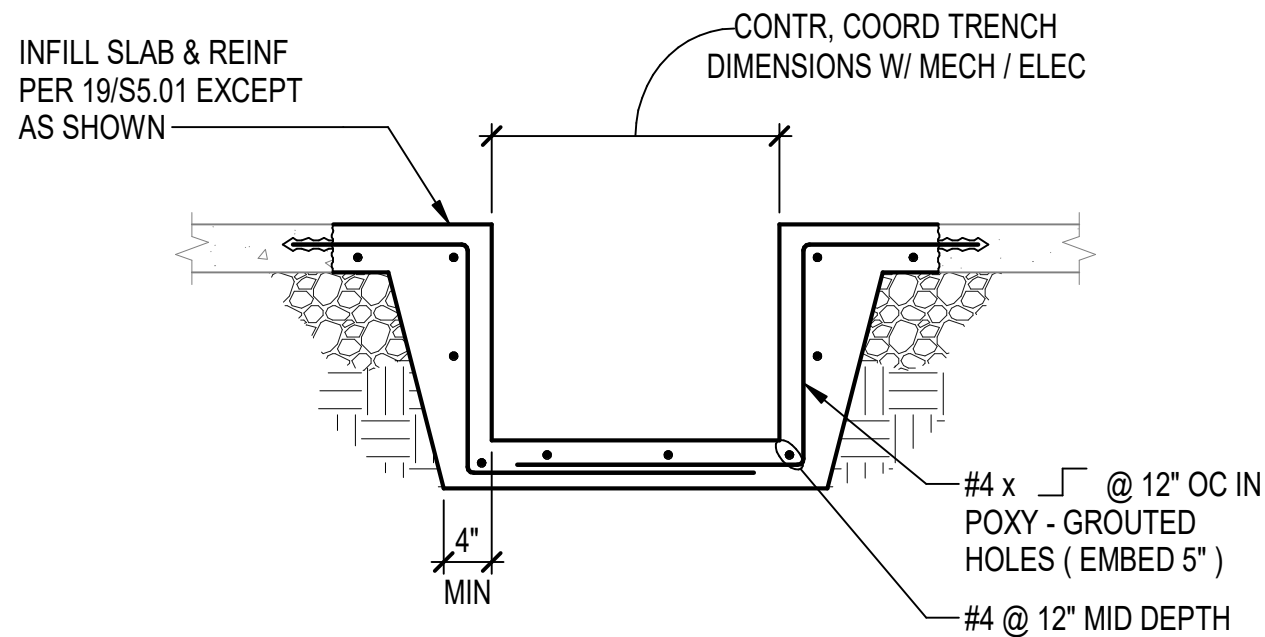
1. SEE 19/S5.00 FOR FOOTING INFORMATION.
2. WHERE STEEL COLUMNS AND BASEPLATES ARE NOT ENCASED IN CONCRETE BELOW GRADE: PROVIDE ASPHALT EMULSION COATING FOR STEEL AND CONNECTIONS TO PROTECT FROM CORROSION.



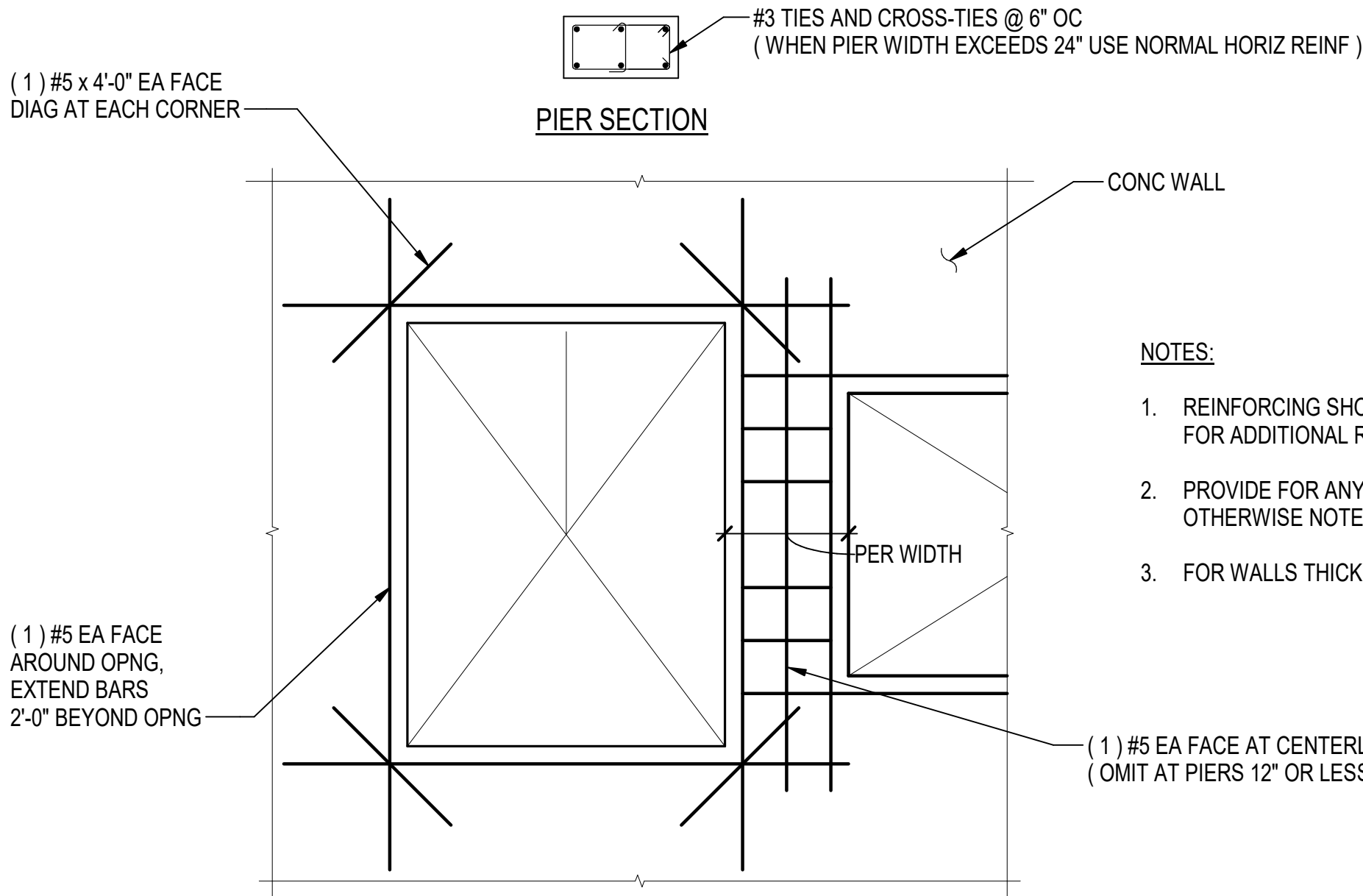
## INTERIOR STEEL COLUMN FOOTING DETAIL



TYPICAL ( E ) FLOOR SLAB INFILL DETAIL **7**  
NTS

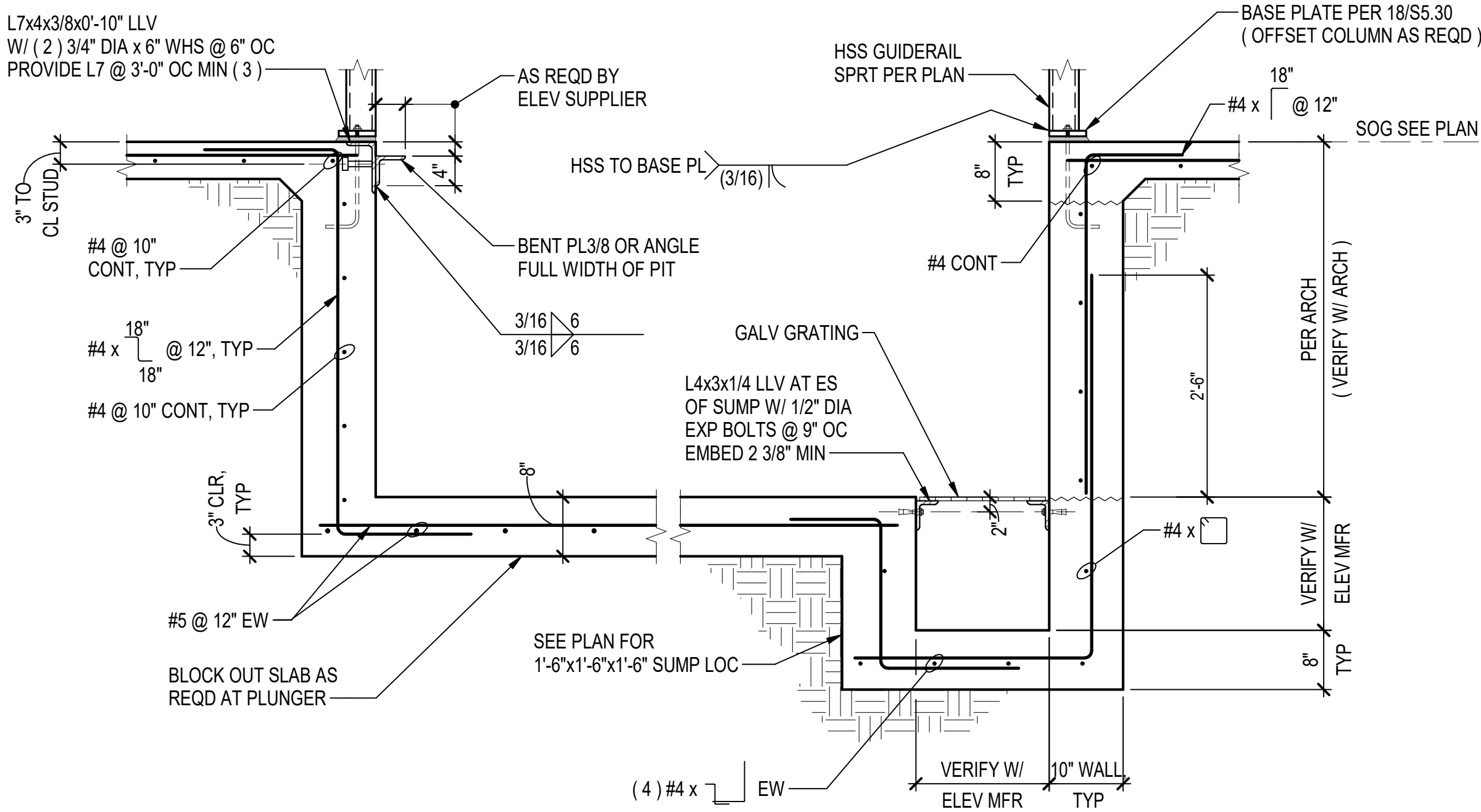


# UTILITY TRENCH DETAIL 8

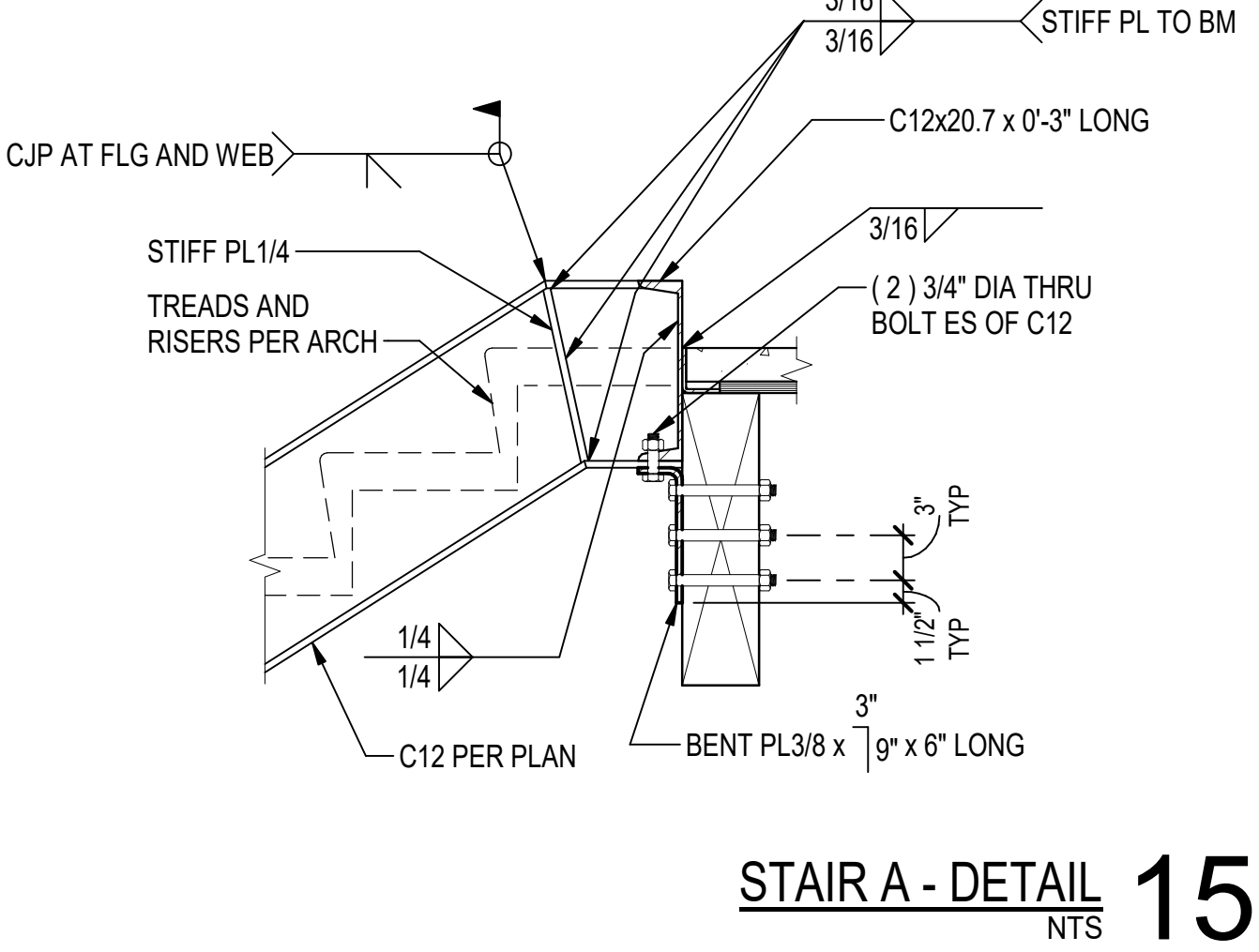
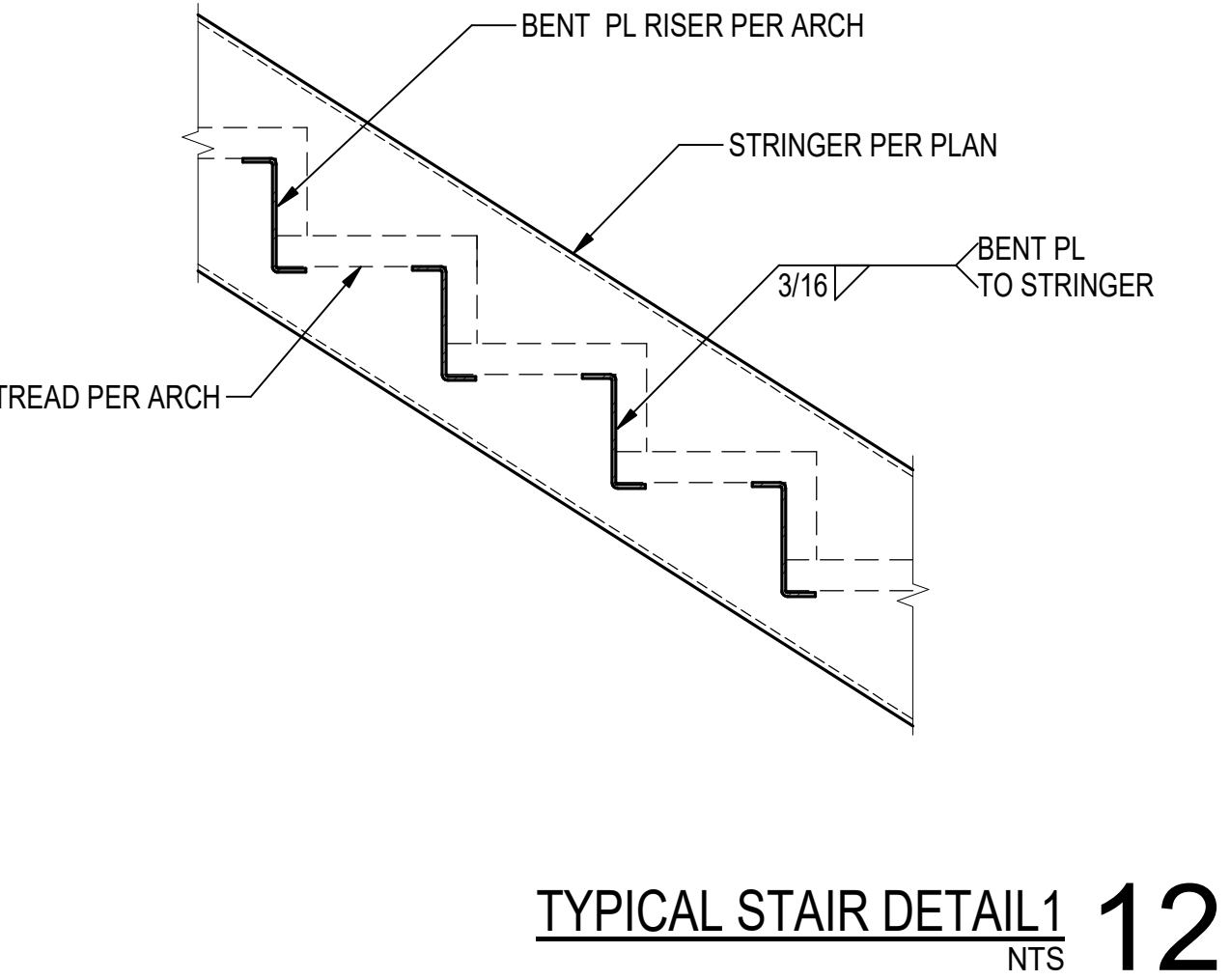
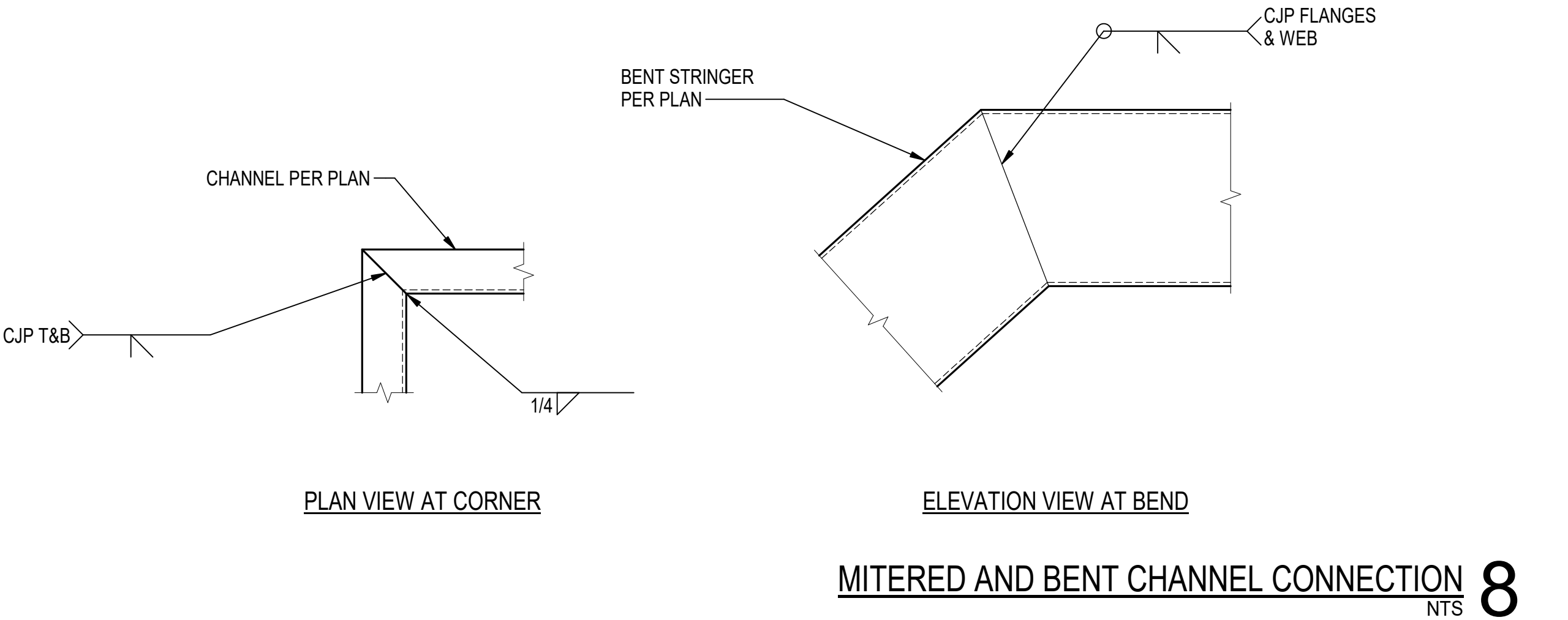
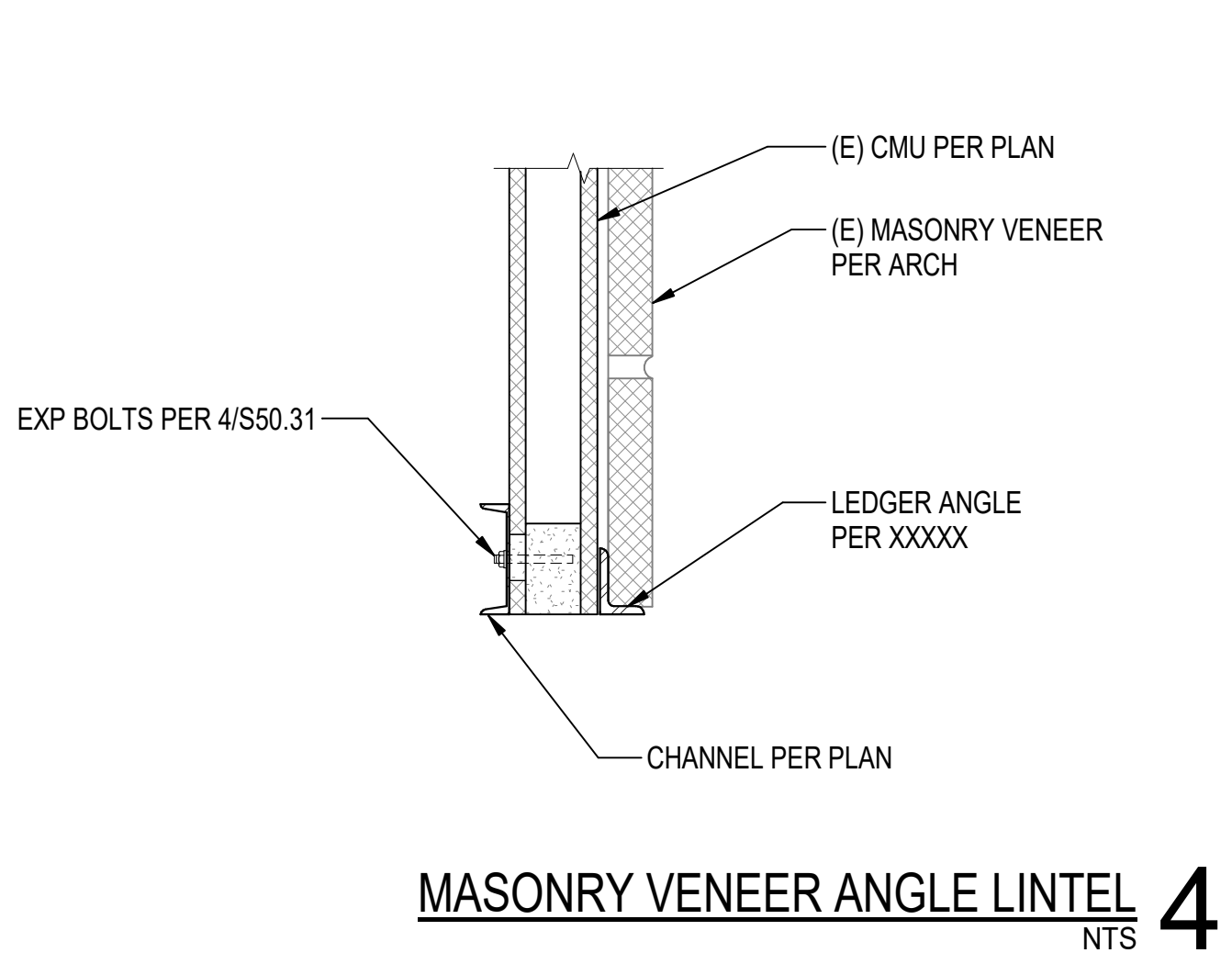
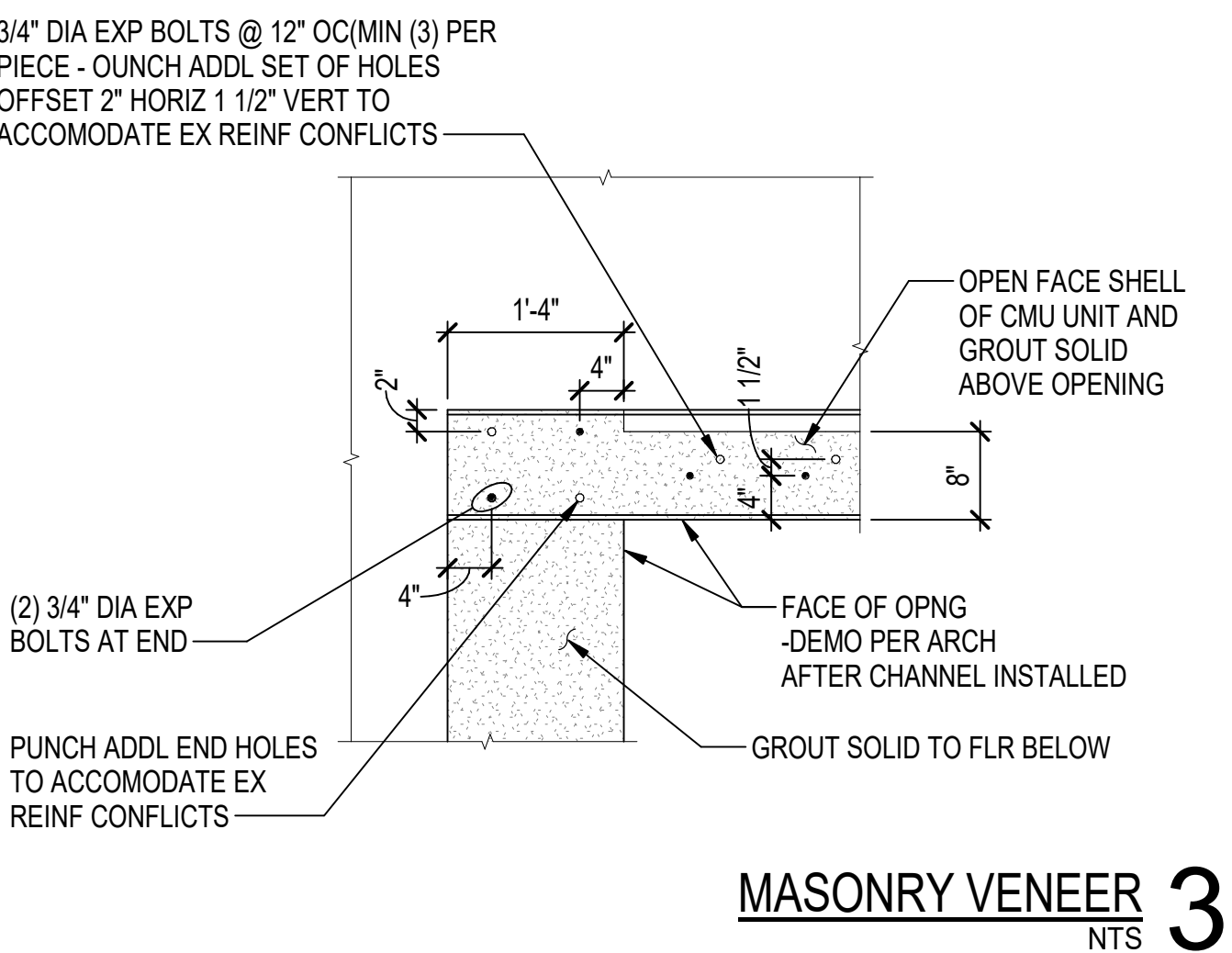
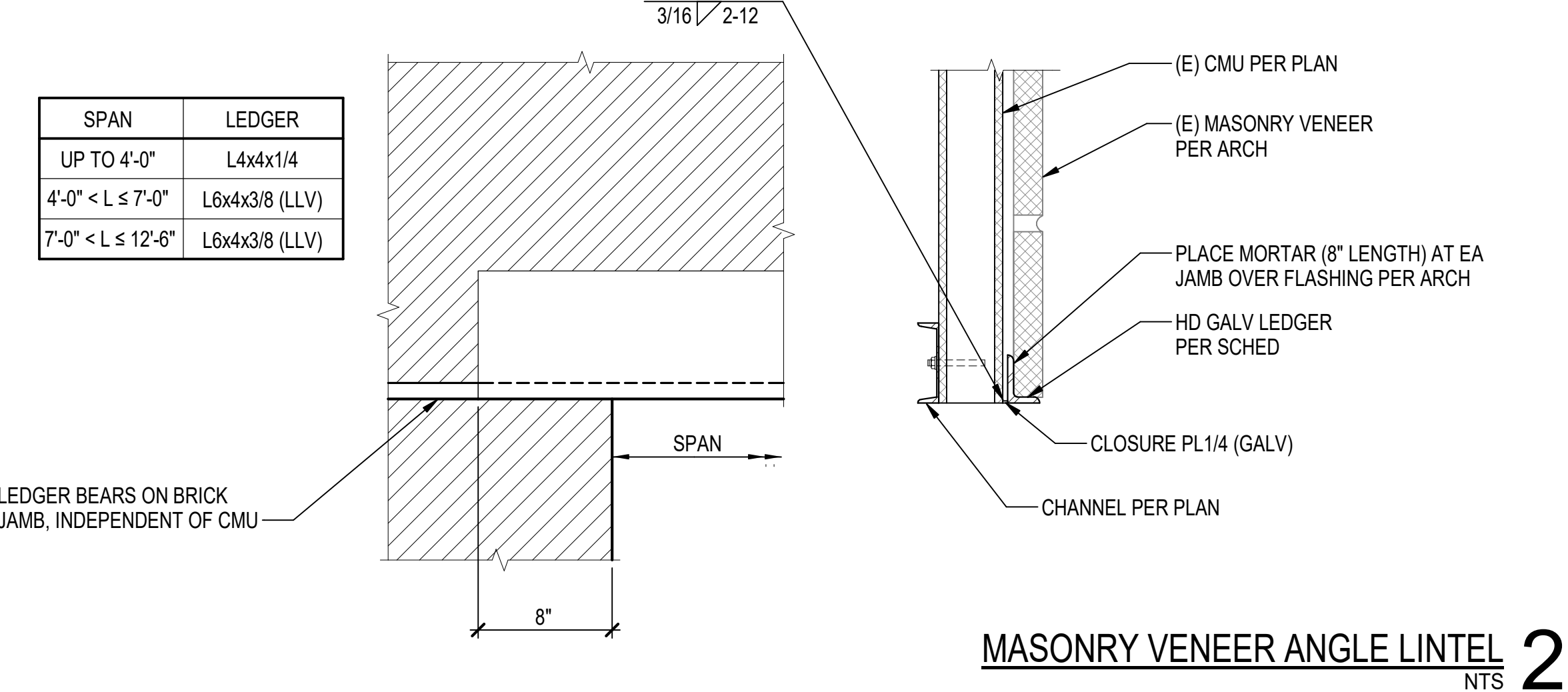


- NOTES:
1. REINFORCING SHOWN IS MINIMUM. SEE PLANS AND WALL ELEVATIONS FOR ADDITIONAL REQUIRED REINFORCING.
  2. PROVIDE FOR ANY OPENING SIX SQUARE FEET OR LARGER UNLESS OTHERWISE NOTED ON THE DRAWINGS.
  3. FOR WALLS THICKER THAN 8" USE #6 BARS IN LIEU OF #5 BARS SHOWN.

## TYPICAL CONC WALL OPENING REINFORCING



# TYPICAL ELEVATOR PIT 16

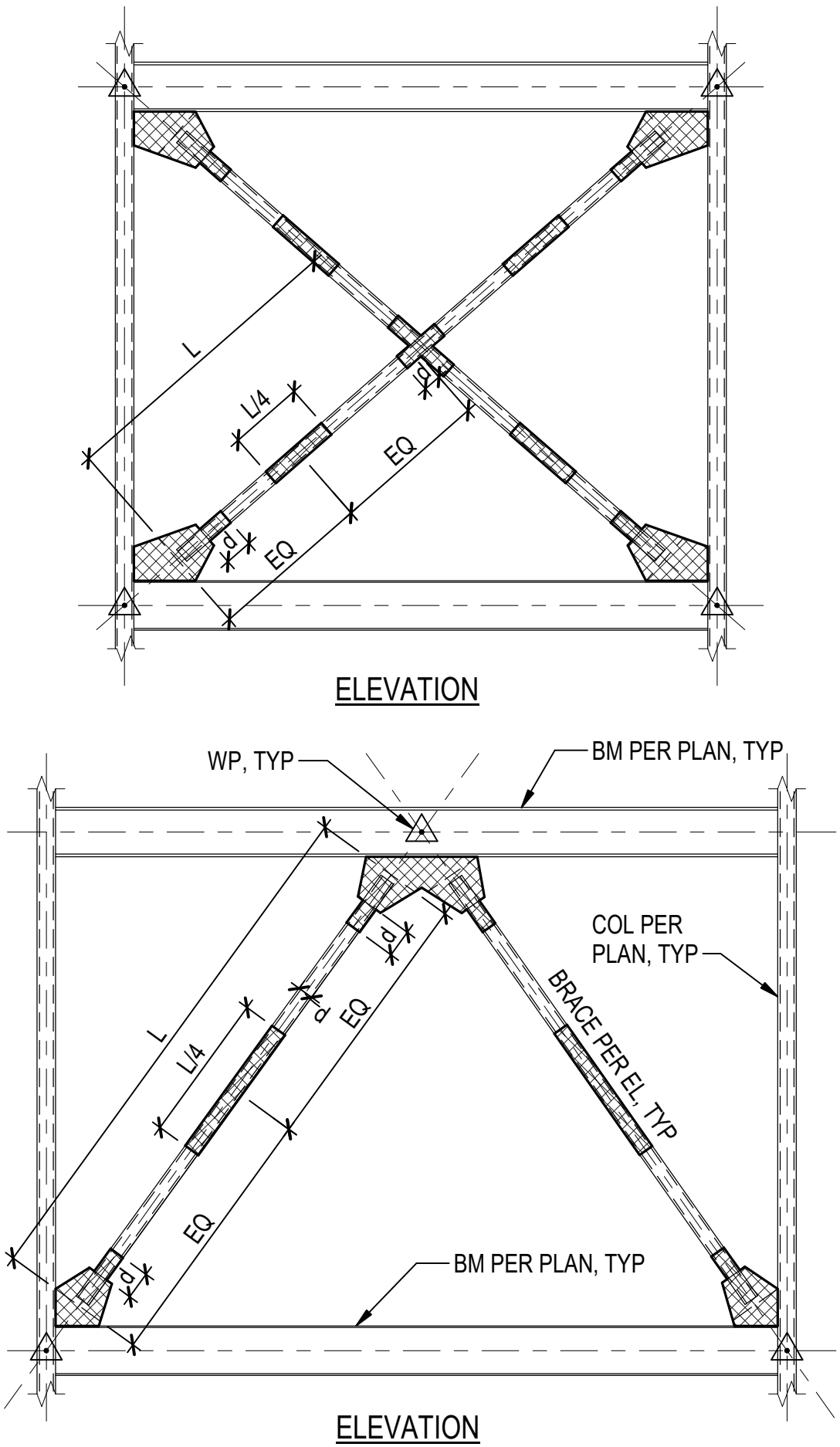




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PROJECT #	262019.034
PERMIT ISSUE	
ISSUE DATE	DECEMBER 23, 2019
REVISION SCHEDULE	

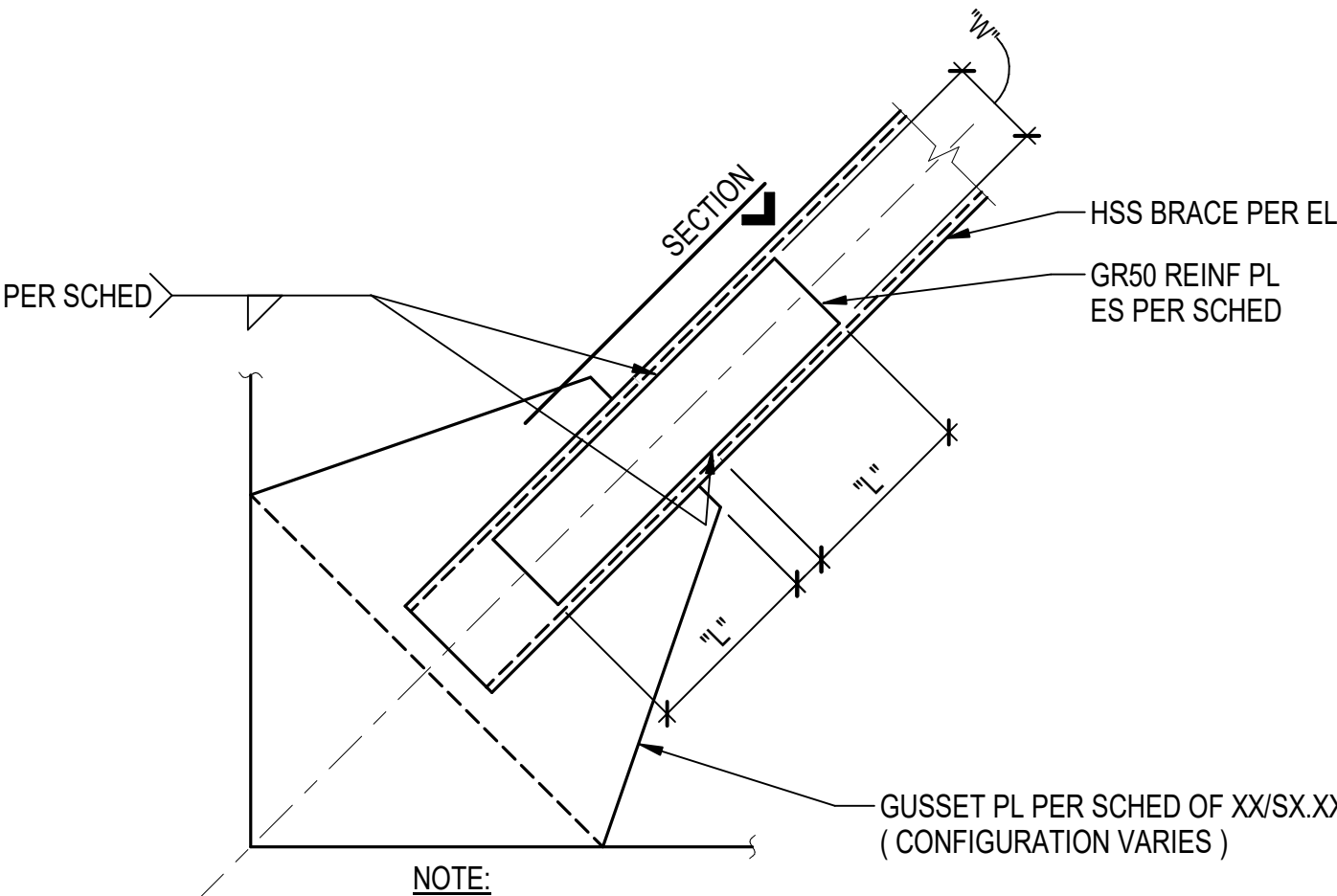
BRACED FRAME DETAILS



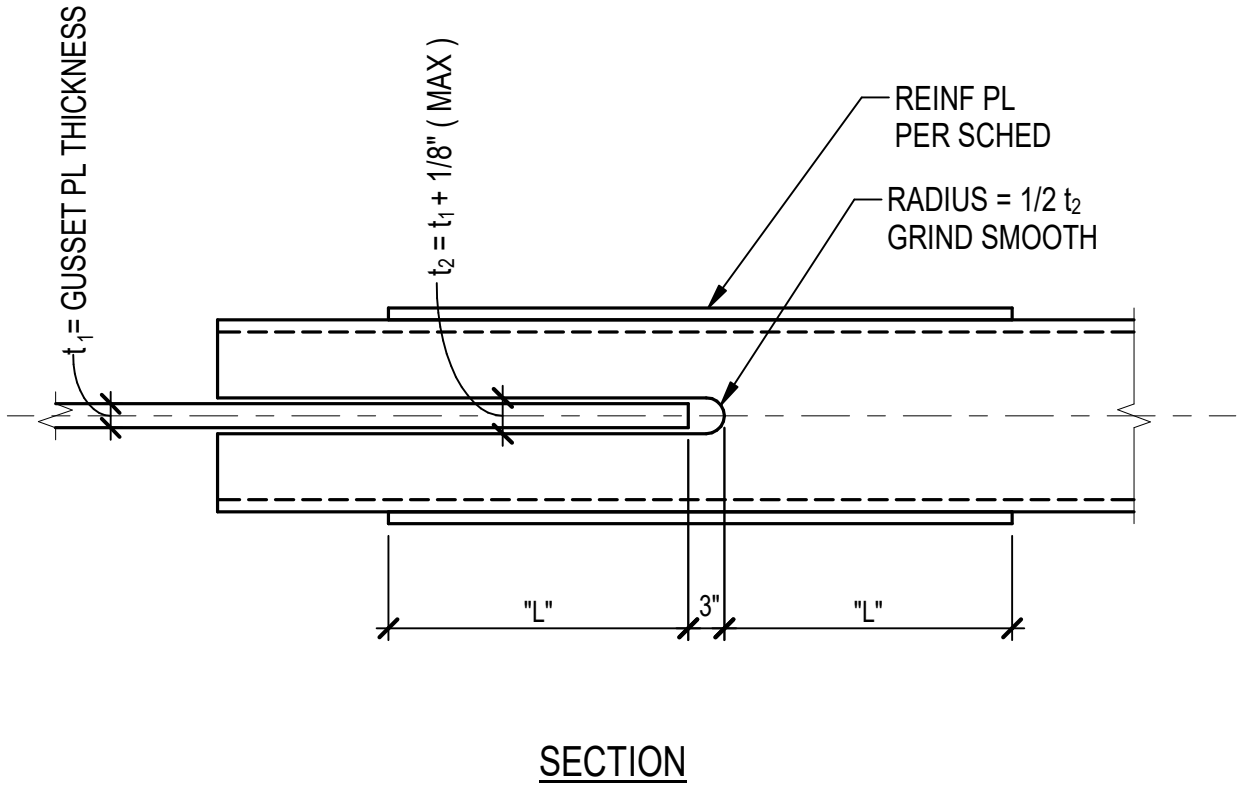
HATCHED AREAS INDICATE PROTECT ZONE. WELD, BOLTED, SCREWED OR SHOT-IN ATTACHMENTS ARE NOT PERMITTED IN PROTECT ZONES. ALL OTHER ATTACHMENTS IN THE PROTECTED ZONES SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO FABRICATION.  
SEE 18/S5.72 FOR ACCEPTABLE ATTACHMENTS IN PROTECTED ZONES.

**BRACED FRAME PROTECTED ZONES**  
NTS **13**

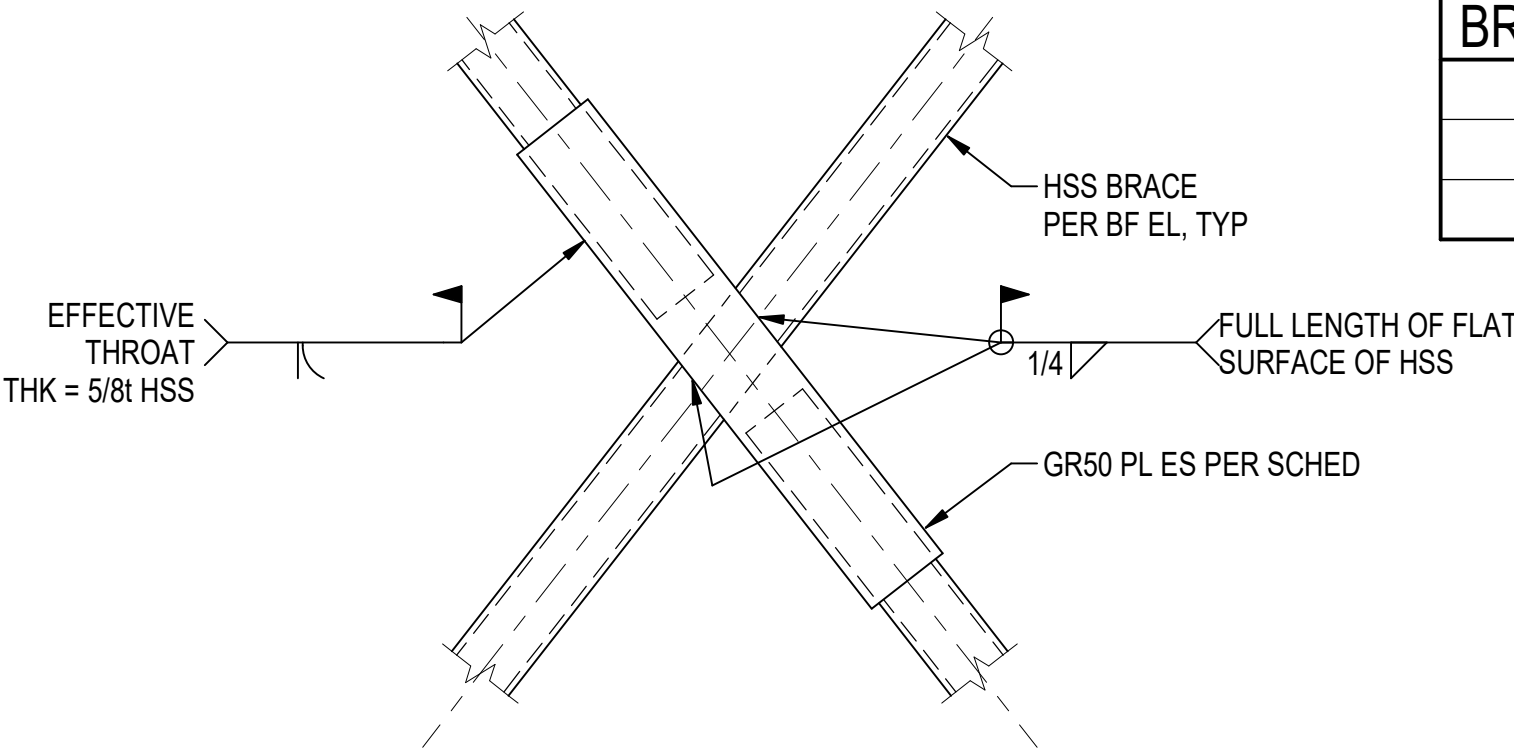
BRACE SIZE	PL THICKNESS ( GR 50 ) ( IN )	"L" ( IN )	PL WIDTH, "W" ( IN )	WELD SIZE ( IN )
HSS4x4	1/2	6	2	5/16
HSS5x5	1/2	6	3	5/16
HSS6x6	1/2	8	4	5/16



NOTE:  
NOTCH TOUGH WELD FILLER MATERIAL REQUIRED FOR ALL WELDS THIS DETAIL.  
SEE GENERAL STRUCTURAL NOTES FOR REQUIREMENTS.



**BRACE REINFORCING PLATES**  
NTS **12**



NOTE:  
1. NOTCH TOUGH WELD FILLER MATERIAL REQUIRED FOR ALL WELDS THIS DETAIL, SEE GENERAL STRUCTURAL NOTES FOR REQUIREMENTS.

BRACE CONNECTION AT INTERSECTION SCHEDULE		
BRACE SIZE	PLATE SIZE ( GR50 )	WELD LENGTH
HSS4x4	5/8" x 6"	13"
HSS5x5	7/8" x 7"	16"

**BRACE TO BRACE CONNECTION**  
NTS **16**

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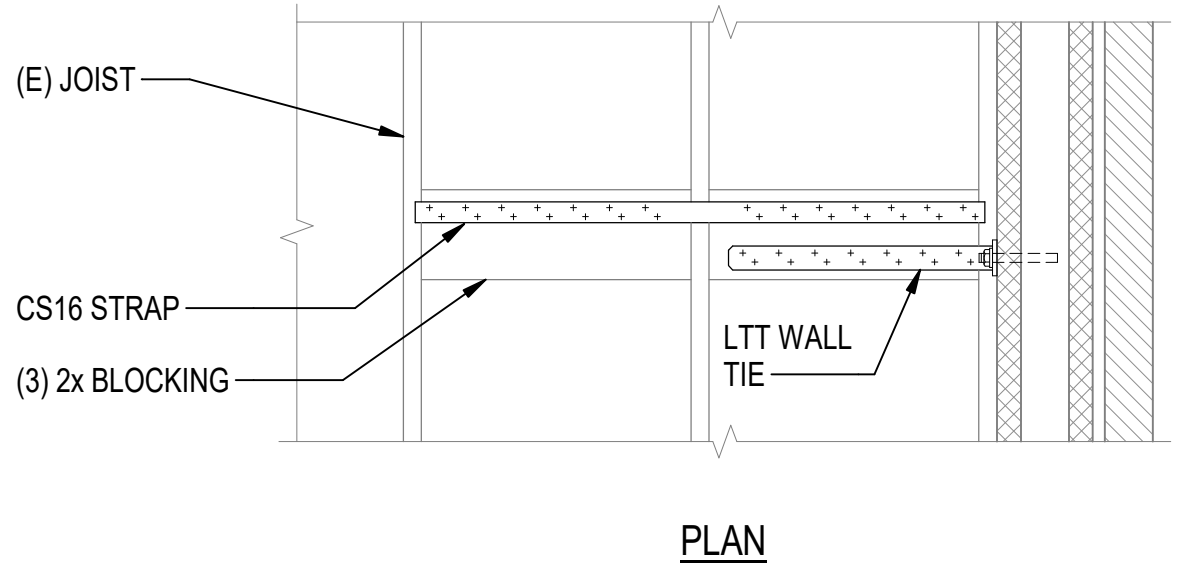
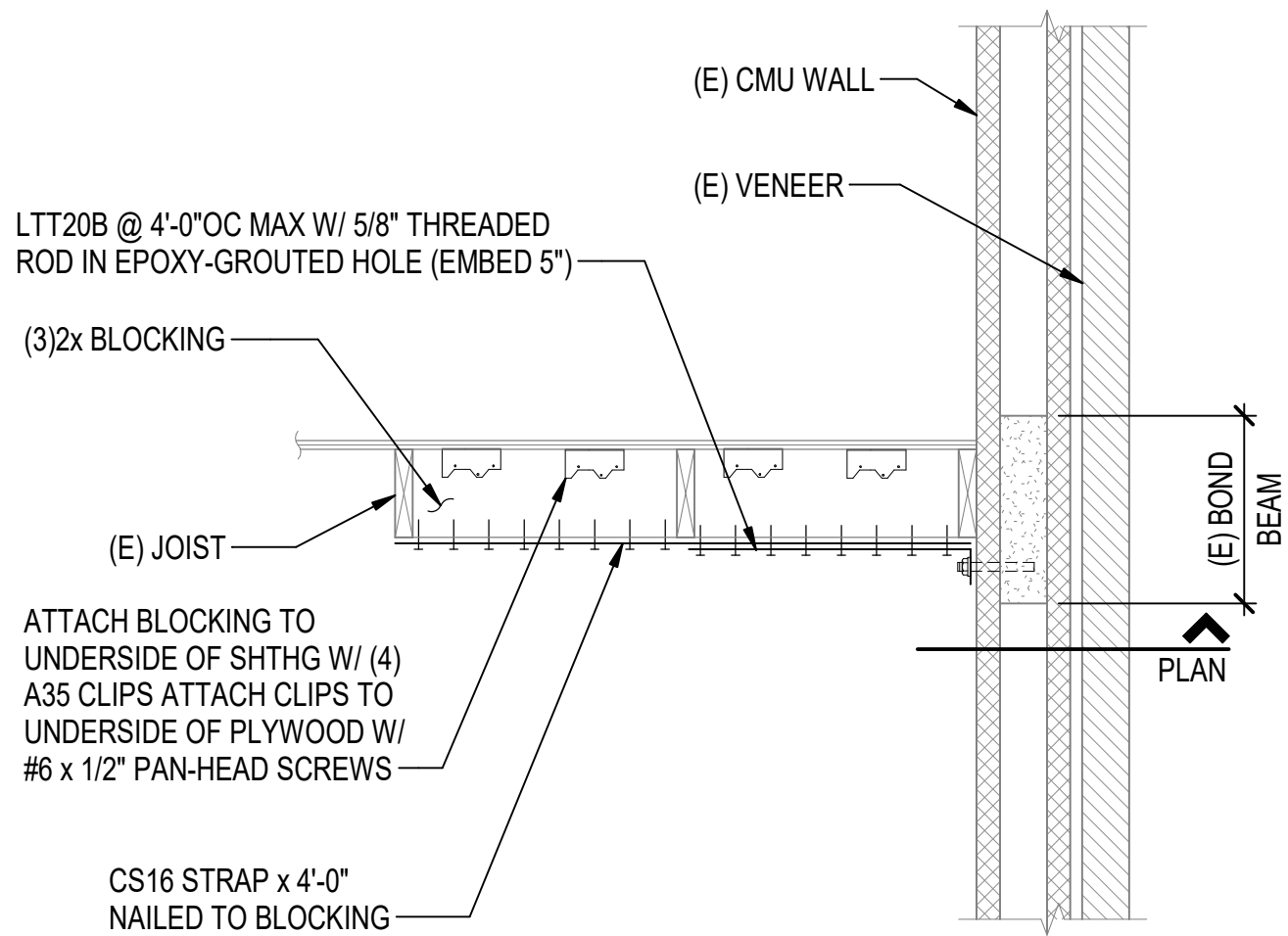


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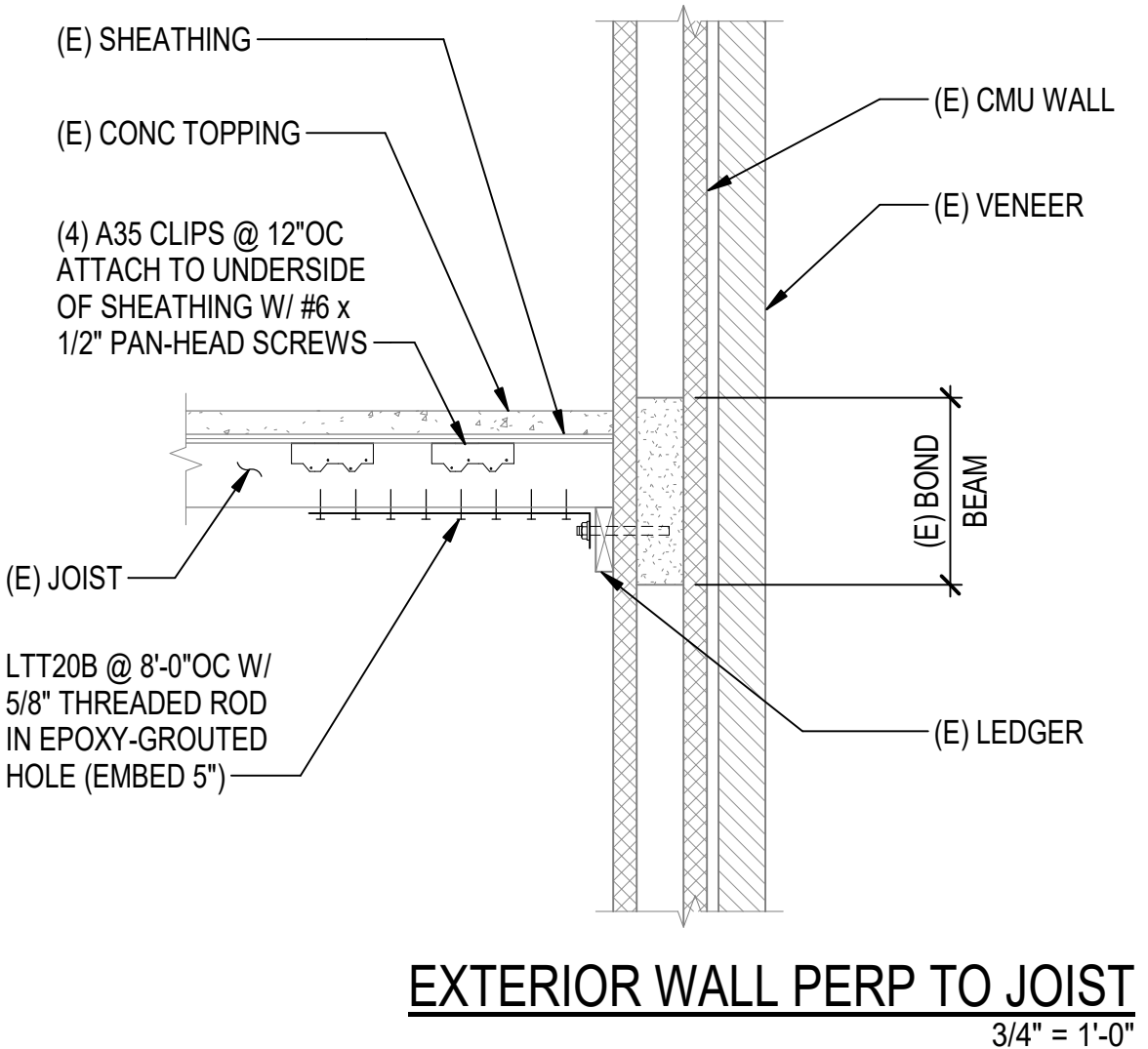
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# TYPICAL WOOD DETAILS

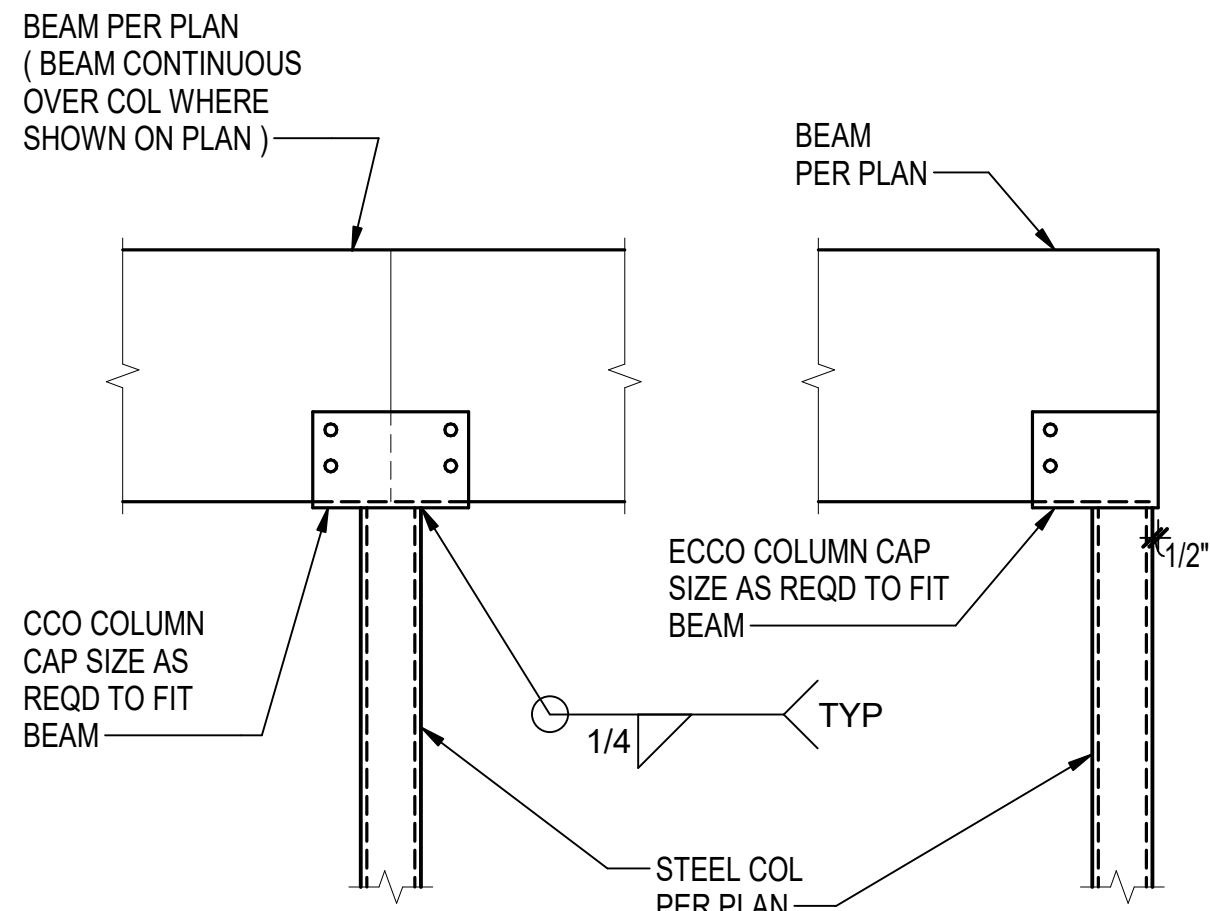
SHEET #  
**S50.50**



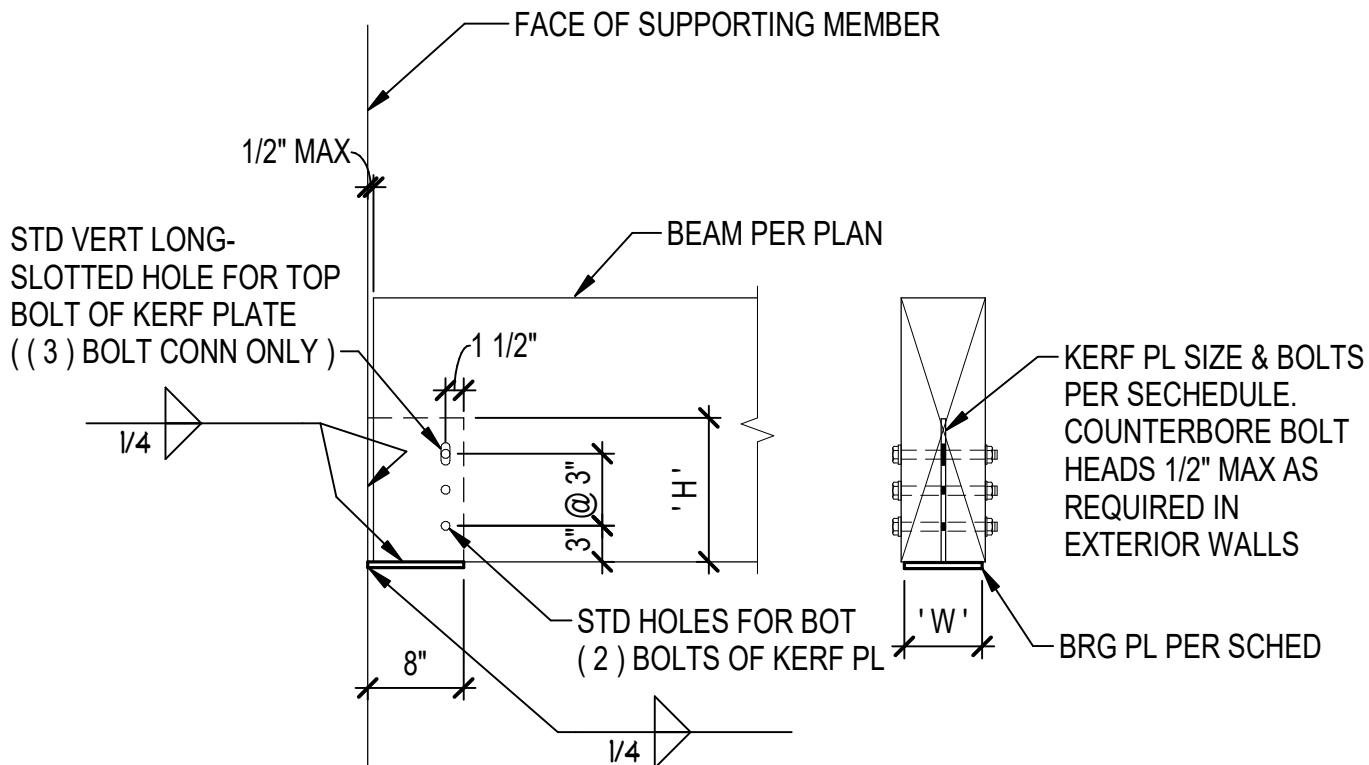
## EXTERIOR WALL PARALLEL TO JOIST 7



EXTERIOR WALL PERP TO JOIST  $\frac{3}{4}" = 1'-0"$  **4**



## CCO AND ECCO TO HSS COLUMN



WOOD BEAM KERF PLATE CONNECTION SCHEDULE						
BEAM SIZE	BOLT DIA (A307)	NUMBER OF BOLTS	BRG PL THICKNESS	BRG PL WIDTH ' W '	KERF PL HT ' H '	KERF PL THICKNESS
GL 5 1/8 x 9 THRU 12	3/4"	( 2 )	1/2"	5"	7 1/2"	1/4"
GL 5 1/8 x 13 1/2 THRU 21	3/4"	( 2 )	1/2"	5"	12"	1/4"
LVL 5 1/4 x 14 THRU 22						
GL 6 3/4 x 12 THRU 18	3/4"	( 2 )	1/2"	6 1/2"	12"	1/4"
LVL 7 x 14 THRU 22						
GL 5 1/8 x 22 1/2 & DEEPER	3/4"	( 3 )	3/4"	5"	12"	1/2"
GL 6 3/4 x 19 1/2 & DEEPER				6 1/2"		
LVL 7 x 24 & DEEPER						
GL 8 3/4 x 15 THRU 24				8 1/2"		

WOOD BEAM KERF CONNECTION SCHEDULE **16**  
NTS

## MECHANICAL SYMBOLS LEGEND


## ABBREVIATIONS

HYDRONIC SYSTEM LABELS		REFERENCE SYMBOLS	
	PIPE BREAK (CONTINUATION)		DETAIL NUMBER SHEET
	HYDRONIC SUPPLY		FLAG NOTE
	HYDRONIC RETURN		REVISION TAG
	DIRECTION OF FLOW		MECHANICAL EQUIPMENT
	CAP		DIFFUSER/GRILLE TYPE CFM
	HEAT TRACED PIPING		SECTION NUMBER SHEET NUMBER
DUCTWORK LABELS		LIFE SAFETY SYMBOLS	
	INTERNALLY LINED DUCT		CEILING RADIATION DAMPER
	HIDDEN DUCT		COMBINATION SMOKE/FIRE DAMPER
	DUCT (1ST DIMENSION SIDE SHOWN, 2ND DIMENSION OTHER SIDE)		HORIZONTAL SMOKE DAMPER
	REMOVE DUCT, PIPE OR MECH. EQUIPMENT		FIRE DAMPER
	FLEX DUCT		
	RECTANGULAR SUPPLY DUCT OUT OF PAGE	CONTROL SYMBOLS	
	RECTANGULAR SUPPLY DUCT INTO PAGE		VOLUME DAMPER
	SUPPLY DIFFUSER		MOTORIZED CONTROL DAMPER
	OUTSIDE AIR DIFFUSER		THERMOSTAT IN DUCT
	RECTANGULAR RETURN DUCT OUT OF PAGE		REMOTE OPERATED VOLUME DAMPER
	RECTANGULAR RETURN DUCT INTO PAGE		BACKDRAFT DAMPER
	RETURN OR EXHAUST GRILLE		PRESSURE INDEPENDENT VOLUME DAMPER (TROX VFL)
	TURNING VANES		PRESSURE INDEPENDENT VOLUME CONTROLLER (TROX VFC)
	STRAIGHT TAP		PRESSURE INDEPENDENT VOLUME CONTROLLER W/ ACTUATOR (TROX VFC E0 / M0)
	TAPERED FITTING		THERMOSTAT, MOUNT @ 4'-0" A.F.F.
	BELL MOUTH FITTING		SENSOR
	CONICAL FITTING		CARBON DIOXIDE DETECTOR
	45 DEG. ANGLE TAP	PIPING SYSTEM LABELS	
	ROUND ELBOW OUT OF PAGE		NATURAL GAS OR PROPANE
	ROUND ELBOW INTO PAGE		BALL VALVE MANUAL LEVER
	ROUND DUCT OUT OF PAGE		BUTTERFLY VALVE MANUAL LEVER
	ROUND DUCT INTO PAGE		BUTTERFLY GEAR VALVE
	ROUND DUCT BREAK (CONTINUATION)		GLOBE VALVE MANUAL LEVER
	RECTANGULAR DUCT BREAK (CONTINUATION)		BALANCE VALVE (CIRCUIT SETTER)
	FLEX CONNECTION		BALANCE VALVE (PRESSURE INDEPENDENT)
			PIPE TO DRAIN
			PRESSURE SAFETY VALVE
			AUTOMATIC AIR VENT
			MANUAL AIR VENT
			WYE STRAINER
			WYE STRAINER WITH VALVE AND HOSE END CAP
			HEAT TRACE PIPING
			HOSE END AND CAP
			EXPANSION LOOP

ACT	ACOUSTICAL CEILING TILE	MBH	1000 BRITISH THERMAL
ADA	AMERICANS WITH DISABILITIES ACT		UNIT PER HOUR
ADJ	ADJUSTABLE	MED	MEDIUM
AFF	ABOVE FINISHED FLOOR	MEP	MECHANICAL, ELECTRICAL
AFG	ABOVE FINISHED GRADE		& PLUMBING
ALT	ALTERNATE	MEZZ	MEZZANINE
AP	ACCESS PANEL	MIN	MINIMUM OR MINUTE
APPROX	APPROXIMATE	MISC	MISCELLANEOUS
ARCH	ARCHITECTURAL/ARCHITECT		
AS	AIR SEPARATOR	N/A	NOT APPLICABLE
AUX	AUXILIARY	NC	NORMALLY CLOSED
		NEG	NEGATIVE
BFF	BELOW FINISHED FLOOR	NIC	NOT IN CONTRACT
BHP	BRAKE HORSE POWER	NO	NORMALLY OPEN
BLDG	BUILDING	NOM	NOMINAL
BOP	BOTTOM OF PIPE	NPT	NATIONAL PIPE THREAD
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BRITISH THERMAL UNIT PER HOUR		
		OA/OSA	OUTSIDE AIR
CA	COMBUSTION AIR	OBD	OPPOSED BLADE DAMPER
CFH	CUBIC FEET PER HOUR	OC	ON CENTER
CFM	CUBIC FEET PER MINUTE	OD	OUTSIDE DIAMETER
CLG	CEILING	OFCl	OWNER FURNISHED
CO	CARBON MONOXIDE		CONTRACTOR INSTALLED
CO2	CARBON DIOXIDE	OFOI	OWNER FURNISHED
COND	CONDENSATE		OWNER INSTALLED
CW	COLD WATER		
CX	CONNECT TO EXISTING	ΔP	PRESSURE DIFFERENTIAL
		PERF	PERFORATED
dB	DECIBEL	Φ OR PH	PHASE
DB °F	DRY BULB TEMPERATURE	PIVD	PRESSURE INDEPENDENT VOLUME DAMPER
OR DEG.	DEGREE	PLBG	PLUMBING
Ø OR DIA	DIAMETER	POC	POINT OF CONNECTION
DN	DOWN	PRV	PRESSURE REDUCING VALVE
DWG(S)	DRAWING(S)	PSF	POUNDS PER SQUARE FOOT
DWV	DRAIN, WASTE, VENT	PSI	POUNDS PER SQUARE INCH
		PSIG	POUNDS PER INCH GAUGE
EX	EXISTING/EXISTING TO REMAIN	PTAC	PACKAGE TERMINAL
EA	EACH		AIR CONDITIONER
EA	EXHAUST AIR		
EAT	ENTERING AIR TEMPERATURE	QTY	QUANTITY
ERU	ENERGY RECOVERY UNIT		
ESP	EXTERNAL STATIC PRESSURE	RA	RETURN AIR
ET	EXPANSION TANK	RH	RELATIVE HUMIDITY
EXP	EXPANSION	RM	ROOM
		RBPB	REDUCED PRESSURE
FC	FAIL CLOSED		BACKFLOW PREVENTER
FDS	FIRE DAMPER SMOKE DAMPER	RPM	REVOLUTIONS PER MINUTE
FF	FINISHED FLOOR	RLX	RELOCATE EXISTING
FLA	FULL LOAD AMPS	RTU	ROOF TOP UNIT
FO	FAIL OPEN	RV	RELIEF VALVE
FP	FIRE PROTECTION	RX	REMOVE EXISTING
FPM	FEET PER MINUTE		
FPS	FEET PER SECOND	SA	SUPPLY AIR
FT	FEET/FOOT	SD	SMOKE DETECTOR
FTG	FOOTING	SF	SQUARE FOOT
FOIC	FURNISHED BY OWNER	S.L	SOUND LINER
	INSTALLED BY CONTRACTOR	SP	STATIC PRESSURE
FOIO	FURNISHED BY OWNER	SPEC	SPECIFICATION
	INSTALLED BY OWNER	S/S, OR SS	STAINLESS STEEL
FSD	FIRE/SMOKE DAMPER	STD	STANDARD
G	NATURAL GAS	T&P	TEMPERATURE AND PRESSURE
GA	GAUGE		RELIEF VALVE
GAL	GALLON	TBD	TO BE DETERMINED
GALV	GALVANIZED	TEMP	TEMPERATURE
G.C.	GENERAL CONTRACTOR	TOB	TOP OF BEAM
GSM	GALVANIZED SHEET METAL	TOC	TOP OF CONCRETE
		TOD	TOP OF DECK
H	HEIGHT	TOJ	TOP OF JOIST
HD	HEAD	TOS	TOP OF SLAB/TOP OF STEEL
HP	HORSEPOWER	T&P	TEMPERATURE & PRESSURE
HVAC	HEATING VENTILATING AND AIR CONDITIONING	TSP	TOTAL STATIC PRESSURE
		TYP	TYPICAL
HW	HOT WATER		
HX	HEAT EXCHANGER	UL	UNDERWRITERS LABORATORY
HZ	HERTZ	UNO	UNLESS NOTED OTHERWISE
		UTR	UP THROUGH ROOF
ID	INSIDE DIAMETER/DIMENSION		
IN	INCH/INCHES	V	VOLT
IN WC	INCHES WATER COLUMN	VAV	VARIABLE AIR VOLUME
		VERT	VERTICAL
KW	KILOWATT/KILOWATTS	VFD	VARIABLE FREQUENCY DRIVE
		VIB	VALVE-IN-BOX
LAT	LEAVING AIR TEMPERATURE	VOL	VOLUME
LBS	POUNDS		
LF	LINEAL FOOT	W/	WITH
LRA	LOCKED ROTOR AMPS	W/IN	WITHIN
LTG	LIGHTING	W/O	WITHOUT
LWT	LEAVING WATER TEMPERATURE	WB °f	WET BULB TEMPERATURE
		WC	WATER COLUMN
		WPD	WATER PRESSURE DROP
		WT	WEIGHT

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 SILVERDALE, WA 98383

[illegible]

# COVER SHEET

SHEET #

# M10.01

## COMMISSIONING NOTES

3. COMMISSIONING BY A CERTIFIED PROFESSIONAL (CCXP) SHALL BE COMPLETED FOR THE MECHANICAL SYSTEMS, SERVICE WATER HEATING SYSTEMS AND ENERGY METERING SYSTEMS ON THIS PROJECT IN ACCORD WITH THE COMMERCIAL ENERGY CODE SECTION C408 AND SPECIFICATION SECTION 230800. THE GOAL OF COMMISSIONING IS TO VERIFY THAT EQUIPMENT, CONTROLS AND THE SEQUENCING OF SUCH OPERATE AS INTENDED. THE COMMISSIONING DOCUMENTATION THAT IS REQUIRED IS THE PROOF OF THIS OPERATION. THE FOLLOWING TASKS ARE REQUIRED FOR COMMISSIONING. SEE SECTION 230800 FOR ADDITIONAL REQUIREMENTS.
2. COMMISSIONING PLAN: THE CCXP SHALL DEVELOP A PLAN WHICH OUTLINES THE ORGANIZATION, SCHEDULE, ALLOCATION OF RESOURCES AND DOCUMENTATION REQUIREMENTS OF THE COMMISSIONING PROCESS. ITEMS 1 THROUGH 4 AS SPECIFIED SHALL BE PREPARED AND SUBMITTED WITH THE MECHANICAL PERMIT. ITEMS 5 THROUGH 8 AS SPECIFIED SHALL BE SUBMITTED TO BUILDING DEPARTMENT PRIOR TO THE FIRST MECHANICAL INSPECTION. ALL ITEMS SHALL BE SUBMITTED WITH THE MECHANICAL SUBMITTALS.
3. PRELIMINARY COMMISSIONING REPORT: COMPLETION OF THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE CERTIFIED BY THE CCXP. REPORT SHALL NOTE DEFICIENCIES FOUND DURING TESTING, CORRECTIVE ACTION TAKEN OR THE ANTICIPATED DATE OF CORRECTION, CONDITIONS UNDER WHICH THE TESTING WAS PERFORMED AND STATUS OF ANY DEFERRED TESTS.
  - A. SUBMISSION OF THIS REPORT IS REQUIRED PRIOR TO FINAL MECHANICAL & PLUMBING INSPECTIONS AND CERTIFICATE OF OCCUPANCY.
  - B. A COPY OF THIS REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL.
4. WITHIN 90 DAYS OF RECEIPT OF THE BUILDING CERTIFICATE OF OCCUPANCY, THE PROJECT RECORD DRAWINGS, O&M MANUALS, FINAL BALANCING REPORT, FINAL COMMISSIONING REPORT AND DOCUMENTATION OF COMPLETED OWNER TRAINING SHALL BE SUBMITTED FOR REVIEW.
5. RECORD DRAWINGS: LOCATION AND PERFORMANCE DATA ON EACH PIECE OF INSTALLED EQUIPMENT, AS-INSTALLED CONFIGURATION OF DUCT AND PIPE DISTRIBUTION SYSTEM, INCLUDING SIZES, AND THE TERMINAL AIR AND WATER DESIGN FLOW RATES OF THE ACTUAL INSTALLATION.
6. OPERATION & MAINTENANCE MATERIALS: SUBMIT ALL OF THE FOLLOWING.
  - A. EQUIPMENT SIZE, SELECTED OPTIONS, AND REQUIRED MAINTENANCE.
  - B. MANUFACTURER'S O&M MANUAL FOR EACH PIECE OF EQUIPMENT.
  - C. NAME AND ADDRESS OF SERVICE AGENCY.
  - D. CONTROLS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, SCHEMATICS, RECORD DRAWINGS AND CONTROL SEQUENCES. SETPOINTS SHALL BE PERMANENTLY RECORDED IN THESE DOCUMENTS.
  - E. NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.
7. SYSTEM ADJUSTING & BALANCING: ALL HVAC, HYDRONIC AND SERVICE HOT WATER SYSTEMS SHALL BE BALANCED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH ACCEPTED ENGINEERING STANDARDS AND SECTION 230593. FINAL FLOW RATES SHALL BE WITHIN TOLERANCES SPECIFIED. EACH AIR INLET OR OUTLET AND HYDRONIC COIL SHALL BE EQUIPPED WITH A MEANS FOR BALANCING.
8. FUNCTIONAL PERFORMANCE TESTING (FPT): THE CCXP SHALL PROVIDE AND EXECUTE WRITTEN PROCEDURES WHICH CLEARLY DESCRIBE THE INDIVIDUAL SYSTEMATIC TEST PROCEDURES, THE EXPECTED SYSTEMS' RESPONSE, ACCEPTANCE CRITERIA FOR EACH PROCEDURE, THE ACTUAL RESPONSE OR FINDINGS AND ANY NOTES. TESTING SHALL AFFIRM OPERATION DURING ACTUAL OR SIMULATED WINTER AND SUMMER CONDITIONS AND DURING FULL OUTSIDE AIR CONDITIONS.
  - A. EQUIPMENT FPT SHALL DEMONSTRATE THE CORRECT INSTALLATION AND OPERATION OF EACH COMPONENT, SYSTEM, AND SYSTEM-TO-SYSTEM UBTERTIE RELATIONSHIP. TESTING SHALL INCLUDE ALL MODES AND SEQUENCE OF OPERATIONS, INCLUDING FULL-LOAD, PART-LOAD, EMERGENCY, ALARMS AND LOSS OF POWER.
  - B. CONTROL SYSTEMS SHALL BE TESTED TO ENSURE THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. SEQUENCE OF OPERATION SHALL BE FUNCTIONALLY TESTED TO DOCUMENT THEY OPERATE AS REQUIRED.
  - C. ECONOMIZER SHALL UNDERGO A FUNCTIONAL TEST TO DETERMINE THAT THEY OPERATE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
9. OWNER TRAINING: PROVIDE SYSTEM/EQUIPMENT OVERVIEW (WHAT IT IS, WHAT IT DOES AND WHICH OTHER SYSTEMS AND OR EQUIPMENT DOES IT INTERFACE WITH). REVIEW THE AVAILABLE O&M MATERIALS. REVIEW THE PROJECT RECORD DRAWINGS. PROVIDE HANDS-ON DEMONSTRATION OF ALL NORMAL MAINTENANCE PROCEDURES, NORMAL OPERATING MODES, AND ALL EMERGENCY SHUTDOWN AND START-UP PROCEDURES. INCLUDE WRITTEN DOCUMENTATION THAT ALL THE PREVIOUS HAS BEEN COMPLETED.
10. FINAL COMMISSIONING REPORT: THE CCXP SHALL COMPLETE AND CERTIFY THE RESULTS OF ALL FUNCTIONAL PERFORMANCE TESTS AND THAT THE COMMISSIONING PLAN HAS BEEN FULLY EXECUTED. REPORT SHALL INCLUDE:
  - A. DISPOSITION OF ALL DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
  - B. ALL FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS INCLUDING CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY.
11. BUILDINGS OR PORTIONS THEREOF, SHALL NOT BE CONSIDERED ACCEPTABLE FOR FINAL INSPECTION UNTIL THE CODE OFFICIAL HAS RECEIVED A LETTER OF TRANSMITTAL FROM THE BUILDING OWNER ACKNOWLEDGING RECEIPT OF THE PRELIMINARY COMMISSIONING REPORT. THIS MAY BE ACCOMPLISHED BY SUBMITTING THE COMMISSIONING COMPLIANCE CHECKLIST.
12. THE MECHANICAL CONTRACTOR SHALL NOT BE CONSIDERED SUBSTANTIALLY COMPLETE UNTIL THE PRELIMINARY COMMISSIONING REPORT HAS BEEN APPROVED BY THE ENGINEER.

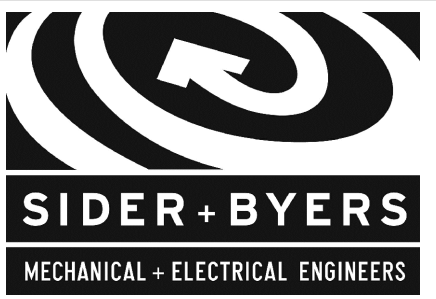
## HVAC GENERAL NOTES

1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET, WHICH MAY BE REQUIRED. THE HVAC CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
2. MATERIALS, METHODS AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE AND LOCAL CODES AND ORDINANCES.
3. DUCT CONSTRUCTION AND HANGING SHALL COMPLY WITH THE LATEST IMC AND WITH CURRENT SMACNA STANDARDS.
4. JOINTS OF DUCT SYSTEM SHALL BE SEALED WITH GASKETS OR LISTED MASTIC TYPE DUCT SEALANT.
5. DUCTS SHALL BE INSULATED AS INDICATED ON PLANS TO MEET THE REQUIREMENTS OF THE CURRENT INTERNATIONAL ENERGY CODE AND SPECIFICATION.
6. FLEXIBLE DUCTS SHALL ONLY BE USED WHERE SHOWN AND SHALL NOT EXCEED 6 FT IN LENGTH UNLESS NOTED OTHERWISE.
7. PROVIDE EARTHQUAKE RESTRAINT FOR HVAC EQUIPMENT IN ACCORDANCE WITH THE CURRENT IBC.
8. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOOR SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
9. PROVIDE RETURN DUCT SMOKE DETECTOR(S) FOR AUTOMATIC SHUT DOWN OF ALL HEATING OR COOLING EQUIPMENT DELIVERING IN EXCESS OF 2000 CFM IN ACCORDANCE WITH THE CURRENT INTERNATIONAL MECHANICAL CODE. POWER WIRING AND INTERLOCK WIRING WITH THE BUILDING FIRE ALARM SYSTEM IS BY THE ELECTRICAL CONTRACTOR.
10. HVAC EQUIPMENT, VALVES AND DAMPERS SHALL BE LOCATED IN EASILY ACCESSIBLE LOCATIONS, UNLESS SHOWN ON ARCHITECTURAL DRAWINGS. REQUIRED ACCESS PANELS SHALL BE PROVIDED BY THE HVAC CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
11. HVAC CONTRACTOR MUST COORDINATE WITH LIGHTING FIXTURES PRIOR TO DUCT AND PIPING INSTALLATION.

## HVAC ENERGY CODE NOTES

1. SEE SCHEDULES FOR EQUIPMENT TYPE, CAPACITY AND EFFICIENCY. ALL EQUIPMENT SHALL MEET MINIMUM EFFICIENCY PER C403.2.3.
2. THERMOSTATIC CONTROLS IN THE SAME ZONE OR IN NEIGHBORING ZONES CONNECTED BY OPENINGS LARGER THAN 10% OF THE FLOOR AREA OF EITHER ZONE SHALL BE INTERLOCKED TO NOT ALLOW SIMULTANEOUS HEATING AND COOLING.
3. HEAT PUMPS WITH SUPPLEMENTARY ELECTRIC HEAT SHALL INCLUDE MICROPROCESSOR CONTROLS THAT MINIMIZE ELECTRIC HEAT USAGE DURING START-UP, SET-UP, AND DEFROST CONDITIONS. CONTROLS SHALL ANTICIPATE NEED FOR HEAT AND USE COMPRESSION HEATING AS THE FIRST STAGE. CONTROLS SHALL INDICATE WHEN ELECTRIC HEAT IS BEING USED THROUGH VISUAL MEANS. ELECTRIC HEAT SHALL NOT OPERATE ABOVE 40 F OUTSIDE AIR TEMPERATURE.
4. THERMOSTATIC CONTROLS SHALL BE CONFIGURED WITH AT LEAST A 5F DEADBAND BETWEEN HEATING AND COOLING SETPOINTS.
5. THERMOSTATS (OTHER THAN GROUP R) SHALL BE 7-DAY PROGRAMMABLE WITH AUTOMATIC SETBACK CONTROLS SET DOWN TO 55F AND UP TO 85F. CONTROLS SHALL MAINTAIN PROGRAMMING FOR AT LEAST 10 HOURS DURING LOSS OF POWER. CONTROLS SHALL HAVE A MANUAL 2 HR OVERRIDE FOR TEMPORARY OPERATION. CONTROLS SHALL ADJUST THE DAILY START TIME FOR MORNING WARMUP PRIOR TO SCHEDULED OCCUPANCY.
6. PROVIDE AMCA CLASS 1 MOTORIZED CONTROL DAMPERS FOR OUTSIDE AIR INTAKES, EXHAUST OUTLETS, RELIEF OPENINGS, STAIRWAY AND SHAFT VENTS AND RETURN SIDE OF AIRSIDE ECONOMIZERS.
7. AIR-COOLED UNITARY DIRECT-EXPANSION UNITS WITH A COOLING CAPACITY OF 54 MBH OR GREATER THAT ARE EQUIPPED WITH AN ECONOMIZER SHALL INCLUDE FAULT DETECTION AND DIAGNOSTICS (FDD).
8. PROVIDE GAS-FIRED HEATING EQUIPMENT WITH MODULATING OR STAGED COMBUSTION CONTROL FOR ALL EQUIPMENT OVER 225 MBH.
9. THERMOSTATS (GROUP R) SHALL BE 5-2 PROGRAMMABLE SCHEDULE WITH AT LEAST 2 SETBACK PERIODS PER DAY.
10. PROVIDE DUCT, SHAFT AND PLENUM INSULATION PER C403.2.8 AND SPECIFICATION SECTION 23 07 00.
11. SEAL ALL TRANSVERSE AND LONGITUDINAL SEAMS, JOINTS AND CONNECTIONS OF ALL DUCTWORK WITH WELDS, GASKETS OR MASTICS.
12. PROVIDE PIPE INSULATION PER ENERGY CODE SECTION C403.2.9 AND SPECIFICATION SECTION 23 07 00.
13. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, SUNLIGHT, MOISTURE AND WIND. PROVIDE JACKET AND ALUMINUM COVERS. ADHESIVE TAPE IS NOT PERMITTED.
14. SINGLE FAN OR MULTIPLE FANS IN PARALLEL WITH COMBINED MOTOR NAMEPLATE OVER 5HP SHALL HAVE A FAN EFFICIENCY GRADE (FEG) OF 67 OR HIGHER AND SHALL BE SELECTED TO OPERATE WITHIN 15% OF THE MAXIMUM TOTAL EFFICIENCY OF THE FAN.
15. COOLING SYSTEMS 65 MBH AND GREATER SHALL HAVE TWO SPEED FAN CONTROL OR MODULATING FAN CONTROL.
16. FAN AND PUMP MOTORS 7.5 HP AND GREATER SHALL BE PROVIDED WITH A VFD.
17. ECONOMIZERS SHALL BE INTEGRATED WITH MECHANICAL COOLING AND SHALL BE CAPABLE OF PROVIDING PARTIAL ECONOMIZER COOLING EVEN WHEN ADDITIONAL MECHANICAL COOLING IS REQUIRED.
18. AIR ECONOMIZERS SHALL HAVE FIXED DRY-BULB HIGH-LIMIT SHUTOFF CONTROL NOT TO EXCEED 75 DEG. F.
19. ALL ELECTRIC MOTORS SHALL MEET THE EFFICIENCY REQUIREMENTS OF TABLES C405.8(1) THROUGH C405.8(4).
20. FAN MOTORS 1/12 HP UP TO 1 HP SHALL BE ECM.
21. PROVIDE A MEANS OF BALANCING EVERY AIR INLET AND OUTLET AND EVERY AIR OR WATER TERMINAL DEVICE.
22. ALL PIPE AND DUCT INSULATION SHALL BE LABELLED WITH ITS THICKNESS AND INSULATING VALUE (R OR K).

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## NOTES

SHEET #

# M10.02

ELECTRIC DUCT HEATER SCHEDULE							
MARK	MAKE	MODEL	DUCT SIZE	HEAT KW	STAGES	VOLT / PH	NOTES
DH-1	INDEECO	QUZ	44"X14"	15	SCR	208V / 3	ALL
DH-2	INDEECO	QUZ	50"X14"	20	SCR	208V / 3	

**NOTES:**

1. FLANGED DUCT CONNECTION
2. CONTROLLED BY ROOM SENSOR AND CONTROL SYSTEM AS MODULATED HEATING WITH SCR CONTROLLER
3. VERIFY EXACT EXISTING DUCT SIZE AT SITE PRIOR TO ORDERING

[illegible]

**NOTES:**

1. V-BANK FILTER SECTION WITH 2" MERV 8 PLEATED FILTERS	8. MODULATING 4:1 BURNER TURNDOWN.	A. PROVIDE RATING PER SPECIFICATIONS AND ELECTRICAL
2. INSULATED MOTORIZED INLET DAMPER	9. WEATHERHOOD WITH SCREEN	B. MICROPROCESSOR CONTROLLER WITH REMOTE DISPLAY INTERFACE
3. INLET AIR SENSOR AND FREEZE/STAT	10. MASON SRSC SPRING ISOLATION CURB	C. DISCHARGE AIR TEMPERATURE CONTROL W/ ROOM OVERRIDE.
4. DIRTY FILTER SENSOR	11. STAINLESS STEEL HEAT EXCHANGER	
5. DOUBLE WALL CONSTRUCTION WITH INSULATION	12. OUTDOOR VERTICAL STACK VENT	
6. NEOPRENE BLOWER VIBRATION ISOLATION	13. DOWNSHOT UNIT WITH MIXING BOX	
7. HINGED ACCESS DOORS		

ITEM	MAKE	MODEL	DESCRIPTION	SIZE	MARK
SUPPLY DIFFUSER	PRICE	SMCD	SQUARE FACE/NECK, SURFACE MOUNT FRAME SIZE OR 24"X24" LAY-IN. SIDE INLET PLENUM PER PLANS. 4 ADJ. CORES, STEEL, WHITE ENAMEL	6"X6"	CD-1
				8"X8"	CD-2
				10"X10"	CD-3
				12"X12"	CD-4
OSA SUPPLY DIFFUSER	PRICE	SPJD	SQUARE FACE INDUCTION NOZZLES STEEL, WHITE ENAMEL PROVIDE 5" DIAMETER SIDE INLET PLENUM	6"-24X24	CD-21
				4"-12"X12"	CD-22
SUPPLY ROUND DIFFUSER	PRICE	RCDA	ROUND FACE, ROUND NECK, ADJUSTABLE CONES WITH SCREWDRIVE ROTATION. STEEL, WHITE ENAMEL.	10"	CD-11
				12"	CD-12
				14"	CD-13
SUPPLY REGISTER	PRICE	520	3/4" BLADE SPACING, DOUBLE DEFLECTION, BLADES PARALLEL TO LONG DIMENSION, STEEL, WHITE FINISH	8"X8"	SG-1
				18"X6"	SG-2
				24"X6"	SG-3
RETURN GRILLE	PRICE	80	1/2" EGG CRATE, ALUM., WHITE ENAMEL	12"X24"	RG-1
				24"X24"	RG-2
				24"X48"	RG-3
RETURN GRILLE	PRICE	530	3/4" BLADE SPACING, 45 DEG DEFLECTION, BLADES PARALLEL TO LONG DIMENSION, STEEL, WHITE	8"X8"	EG-1
				12"X6"	EG-2
				10"X10"	EG-3
				12"X12"	EG-4
				36"X10"	EG-5

**NOTES:**

1. CEILING UNIT FRAME SHALL BE COMPATIBLE WITH CEILINGS; FLAT FRAME SURFACE MOUNT FOR DRYWALL CEILINGS AND WITH LAY-IN PANEL FOR EXPOSED GRID CEILINGS. SEE ARCHITECTURAL PLANS FOR CEILING TYPES.
2. BEVELED DROP FACE DIFFUSERS ARE NOT ACCEPTABLE.
3. SIZE INDICATES DUCT COLLAR.

[illegible]

**NOTES:**


1. PROVIDE WITH MASON RSC SPRING CURB
2. PROVIDE OUTDOOR AIR VOLUME MEASURING STATION WITH REAL TIME DISPLAY AND ALARM
3. PROVIDE WITH REMOTE MOUNTED UNIT DISPLAY



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## SCHEDULES



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## SCHEDULES

SHEET #

# M10.04

VRF SPLIT SYSTEM HEAT PUMP SCHEDULE															INDOOR UNIT											OUTDOOR UNIT											NOTES
MARK	MAKE	MODEL	SUPPLY			COOLING				HEATING MBH OUTPUT @ 20 OAT	ELECTRICAL		SOUND LEVEL dBA	OP. WT. LBS.	MARK	MAKE	MODEL	IEER	SEER	COP AT 47 F/17 F	ELECTRICAL			dbA	OP. WT. LBS.												
			TOTAL CFM	ESP W.C.	OSA CFM	TOTAL MBH	SENS MBH	EAT DB / WB	OAT DB		VOLT / PH	MCA									VOLT/PH	MCA	MOCP														
															CU-1	DAIKIN	VRV-EP288TSNU	23.1	---	3.26/3.46	208/230 / 3	49 / 45	80 / 70	69	1500	1, 2, 5											
BC-1	DAIKIN	CMB-P1016NU-J1	--	--	--	--	--	--	--	--	208/230 / 1	2	--	200																							
HP-206	DAIKIN	PKFY-P12NHMU-E2	320	N/A	--	10.5	8.2	75/62.5	85	8.7	208/230 / 1	0.38	42	30																							
HP-207	DAIKIN	PKFY-P12NHMU-E2	320	N/A	--	10.5	8.2	75/62.5	85	8.7	208/230 / 1	0.38	42	30																							
HP-208	DAIKIN	PKFY-P12NHMU-E2	320	N/A	--	10.5	8.2	75/62.5	85	8.7	208/230 / 1	0.38	42	30																							
HP-210	DAIKIN	PEFY-P24NKMU-E3	750	0.5	--	21.0	18.1	75/62.5	85	17.3	208/230 / 1	2.73	34	70																							
HP-211	DAIKIN	PEFY-P48NMAU-E3	1200	0.5	--	42.0	33.3	75/62.5	85	34.7	208/230 / 1	3.41	40	100																							
HP-212	DAIKIN	PEFY-P30NKMU-E2	750	0.5	--	26.3	20.1	75/62.5	85	21.8	208/230 / 1	2.73	43	70																							
HP-215	DAIKIN	PKFY-P08NBMU-E	200	N/A	--	7.0	6.4	75/62.5	85	5.8	208/230 / 1	0.19	35	22																							
HP-216	DAIKIN	PKFY-P12NHMU-E2	320	N/A	--	10.5	8.2	75/62.5	85	8.7	208/230 / 1	0.38	42	30																							
HP-222	DAIKIN	PEFY-P30NKMU-E2	750	0.5	--	26.3	20.1	75/62.5	85	21.8	208/230 / 1	2.73	43	70																							
HP-224	DAIKIN	PEFY-P30NKMU-E2	750	0.5	--	26.3	20.1	75/62.5	85	21.8	208/230 / 1	2.73	43	70																							
HP-226	DAIKIN	PEFY-P18NHMU-E2	500	N/A	--	15.8	12.9	75/62.5	85	12.8	208/230 / 1	1.56	32	65																							
HP-227	DAIKIN	PKFY-P06NBMU-E2	200	N/A	--	5.3	4.0	75/62.5	85	4.3	208/230 / 1	0.19	35	22																							
HP-228	DAIKIN	PEFY-P30NKMU-E2	750	0.5	--	26.3	20.1	75/62.5	85	21.8	208/230 / 1	2.73	43	70																							
HP-230	DAIKIN	PKFY-P18NHMU-E2	320	N/A	--	15.8	11.0	75/62.5	85	12.8	208/230 / 1	0.38	36	35																							
HP-242	DAIKIN	PEFY-P30NKMU-E2	750	0.5	--	26.3	20.1	75/62.5	85	21.8	208/230 / 1	2.73	43	70																							
															CU-2	DAIKIN	VRV-EP264TSNU	23.5	---	3.36/3.53	208/230 / 3	49 / 45	80 / 70	66.5	1500	1, 2, 5											
BC-2	DAIKIN	CMB-P1016NU-J1	--	--	--	--	--	--	--	--	208/230 / 1	2	--	200																							
HP-102	DAIKIN	PEFY-P54NMAU-E2	1040	0.5	--	50.4	37.4	75/62.5	85	41.3	208/230 / 1	3.31	36	100																							
HP-107	DAIKIN	PEFY-P72NMHSU-E	1760	0.5	--	67.3	54.9	75/62.5	85	55	208/230 / 1	3.67	36	225																							
HP-201	DAIKIN	PEFY-P54NMHSU-E3	1480	0.5	--	50.4	37.4	75/62.5	85	41	208/230 / 1	3.31	45	100																							
HP-202	DAIKIN	PEFY-P54NMHSU-E3	1250	0.5	--	50.4	37.4	75/62.5	85	41	208/230 / 1	3.31	41	100																							
HP-204	DAIKIN	PEFY-P30NKMU-E2	750	0.5	--	28.0	37.4	75/62.5	85	41	208/230 / 1	2.73	34	70																							
HP-240	DAIKIN	PKFY-P18NHMU-E2	320	N/A	--	16.8	11.5	75/62.5	85	13.8	208/230 / 1	0.38	36	35																							
KITSAP REGIONAL LIBRARY VRF SPLIT SYSTEM HEAT PUMP SCHEDULE																																					
															CU-3	DAIKIN	VRV-EP240TSNU	23.9	---	3.46/3.6	208/230 / 3	41 / 41	60 / 60	65	1500	1, 2, 5											
BC-3	DAIKIN	CMB-P1016NU-J1	--	--	--	--	--	--	--	--	208/230 / 1	2	--	200																							
HP-113	DAIKIN	PEFY-P72NMHSU-E	2150	0.5	--	59.3	51.9	75/62.5	85	47.2	208/230 / 1	3.67	39	225																							
HP-114	DAIKIN	PEFY-P54NMHSU-E3	1250	0.5	--	44.5	35.1	75/62.5	85	35.4	208/230 / 1	3.31	41	100																							
HP-116	DAIKIN	PEFY-P72NMHSU-E	2150	0.5	--	59.3	51.9	75/62.5	85	47.2	208/230 / 1	3.67	39	225																							
HP-119	DAIKIN	PEFY-P30NKMU-E2	750	0.5	--	24.7	19.5	75/62.5	85	20.1	208/230 / 1	2.73	43	70																							
HP-123	DAIKIN	PKFY-P08NBMU-E	200	N/A	--	6.6	4.9	75/62.5	85	5.3	208/230 / 1	0.19	35	22																							
HP-134	DAIKIN	PEFY-P36NKMU-E2	1000	0.5	--	29.7	25.5	75/62.5	85	23.6	208/230 / 1	3.32	37	100																							
HP-135	DAIKIN	PEFY-P18NHMU-E2	500	N/A	--	14.8	12.5	75/62.5	85	11.8	208/230 / 1	0.38	32	70																							

**NOTES:**

- |  |                                    |
|--|------------------------------------|
| 1. MANUFACTURER'S DIGITAL CONTROL SYSTEM WITH AG-200 CENTRAL CONTROLLER. | A. SMART ME REMOTE CONTROLLER.     |
| 2. CONTROL POWER SUPPLY UNIT.  | B. MIXING BOX & ANGLED FILTER RACK |
| 3. 1" OR 2" PLEATED MERV 8 FILTER.                                       | C. PROVIDE WITH CONDENSATE PUMP    |
| 4. FACTORY PROVIDED WASHABLE FILTER.                                     | D. SPACE CO2 DEMAND VENTILATION    |
| 5. COIL GUARD  | E. SIMPLE MA REMOTE CONTROLLER.    |



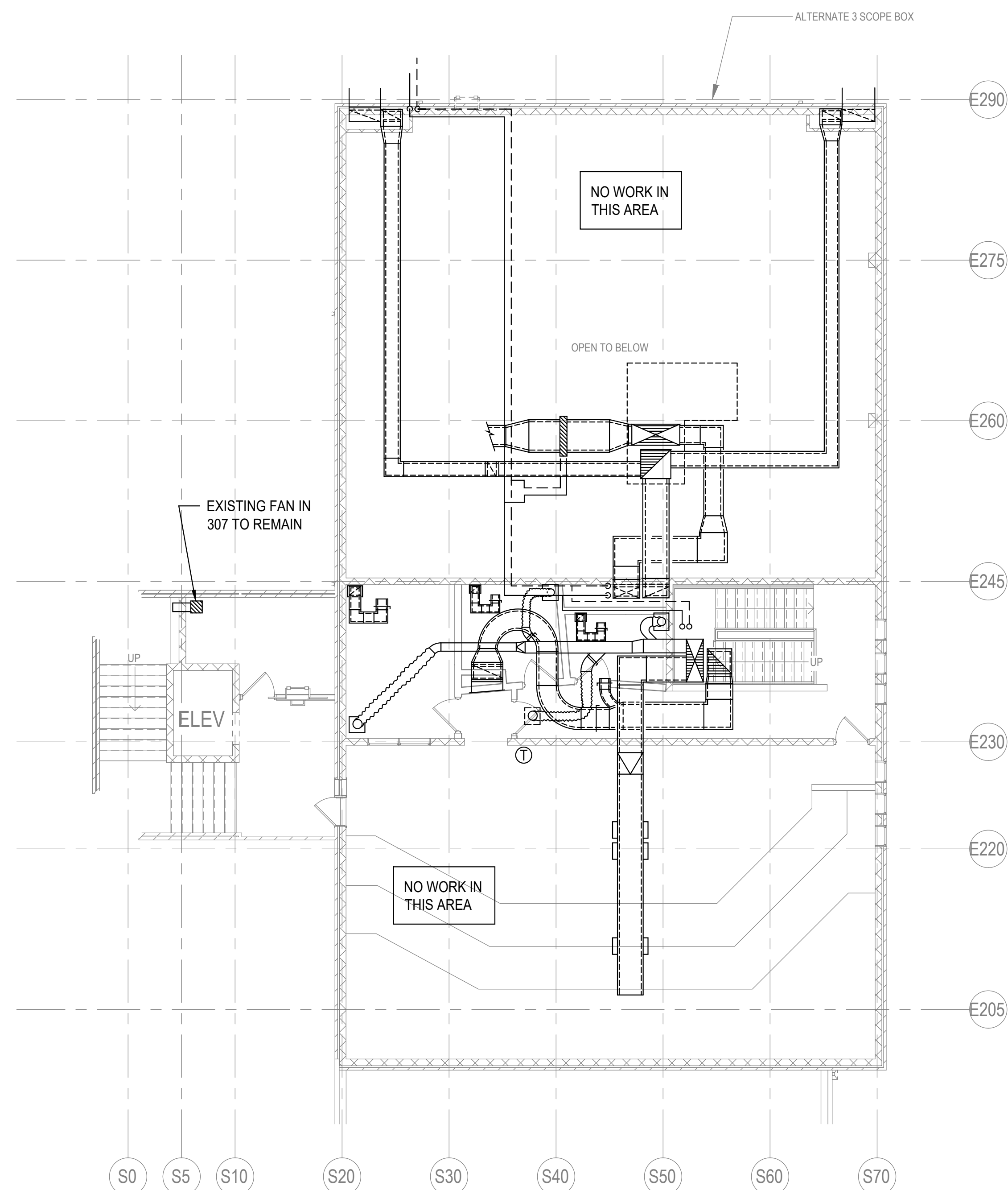
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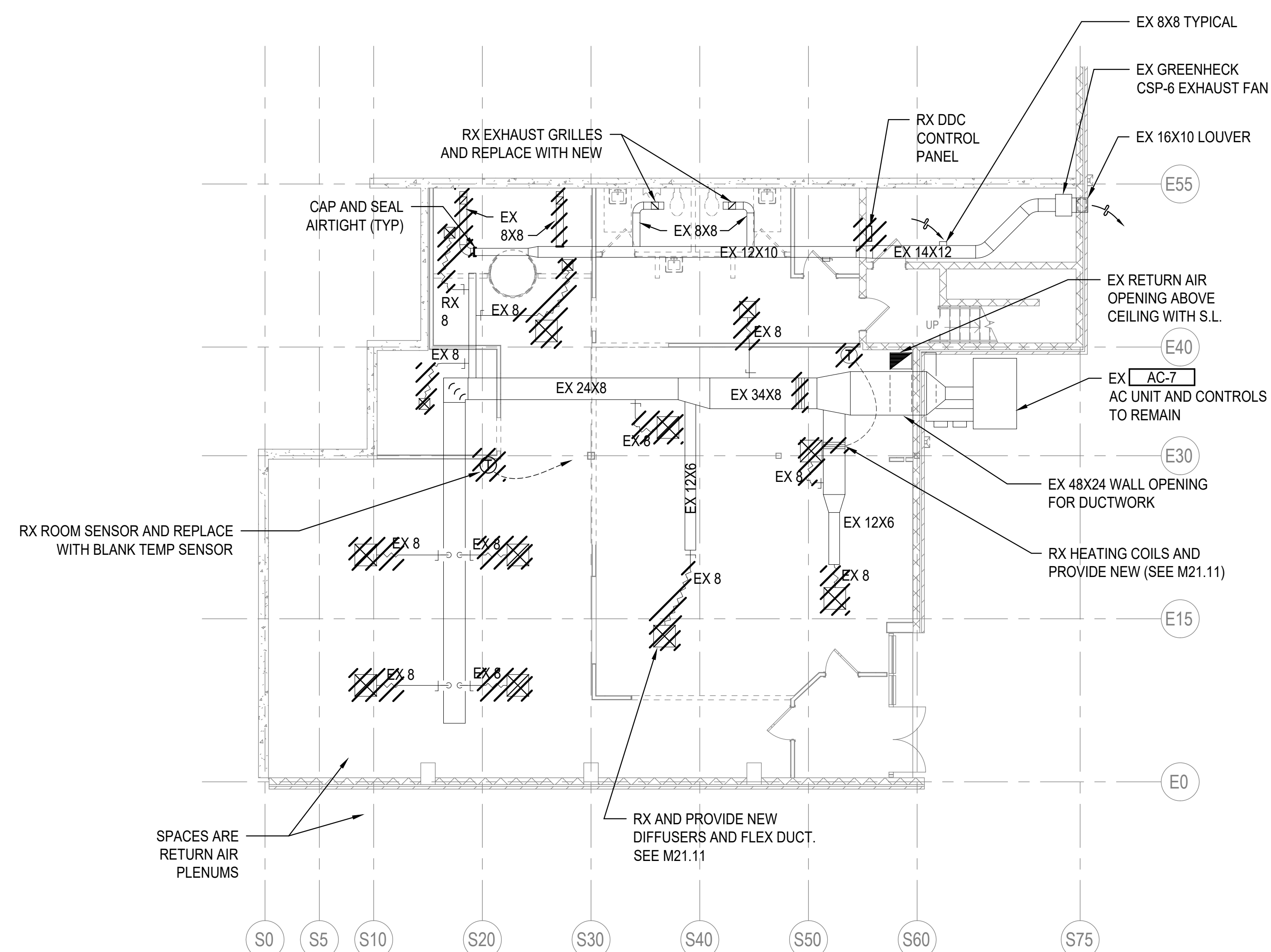
## BASEMENT AND LEVEL 3 DEMOLITION FLOOR PLANS

SHEET #

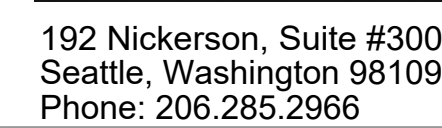
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### LEVEL 3 DEMOLITION FLOOR PLAN



## BASEMENT DEMOLITION FLOOR PLAN

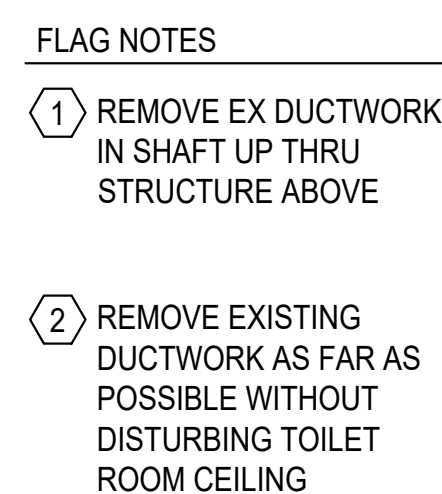


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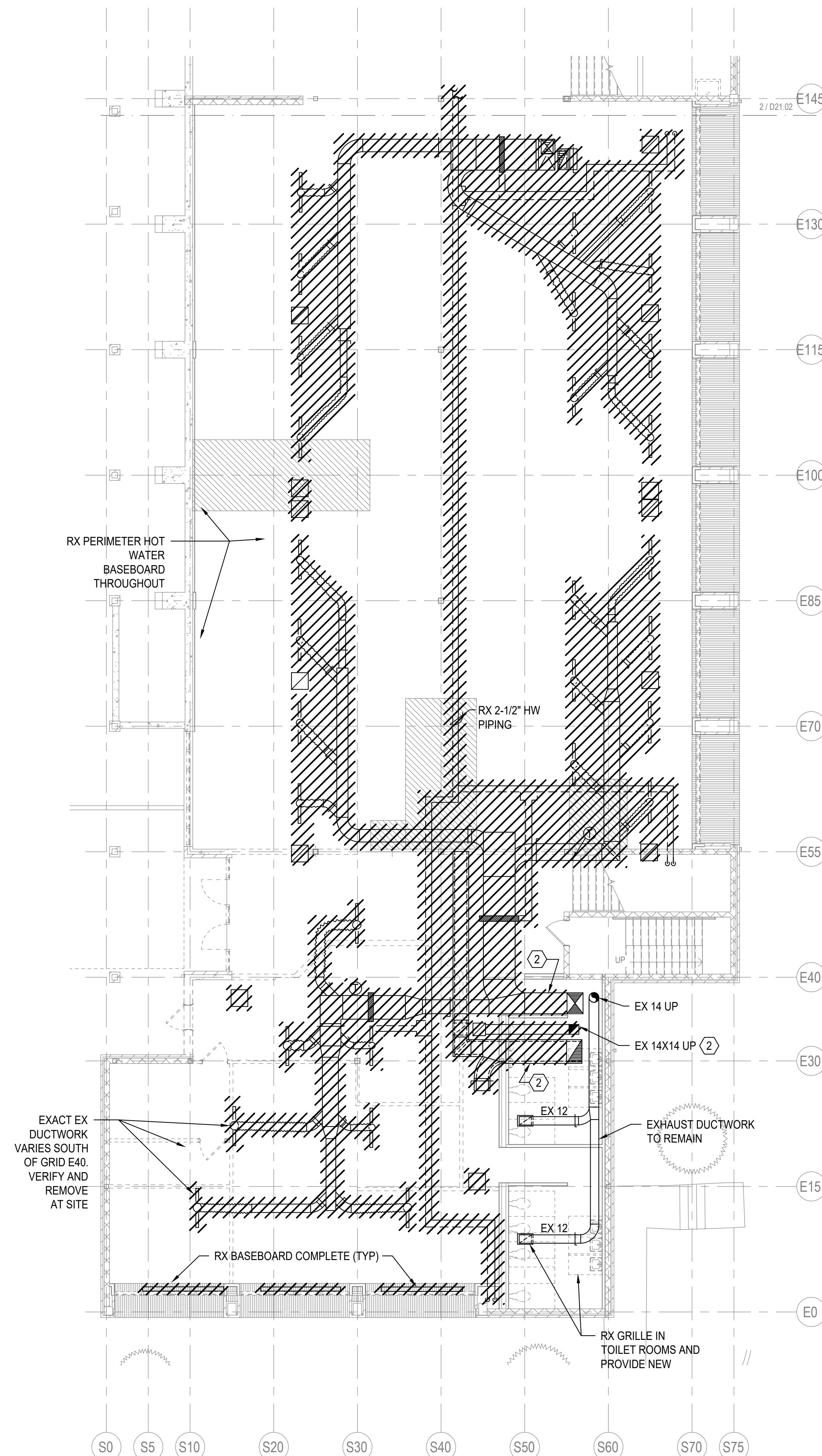
## LEVEL 1 DEMOLITION FLOOR PLAN

SHEET #

## M21.02



**LEVEL 1 DEMOLITION FLOOR PLAN - NORTH**  
SCALE: 1/8"=1'-0"



**LEVEL 1 DEMOLITION FLOOR PLAN - SOUTH**  
SCALE: 1/8"=1'-0"



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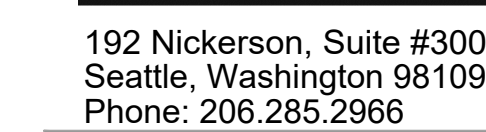
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## LEVEL 2 DEMOLITION FLOOR PLAN

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**M21.03**



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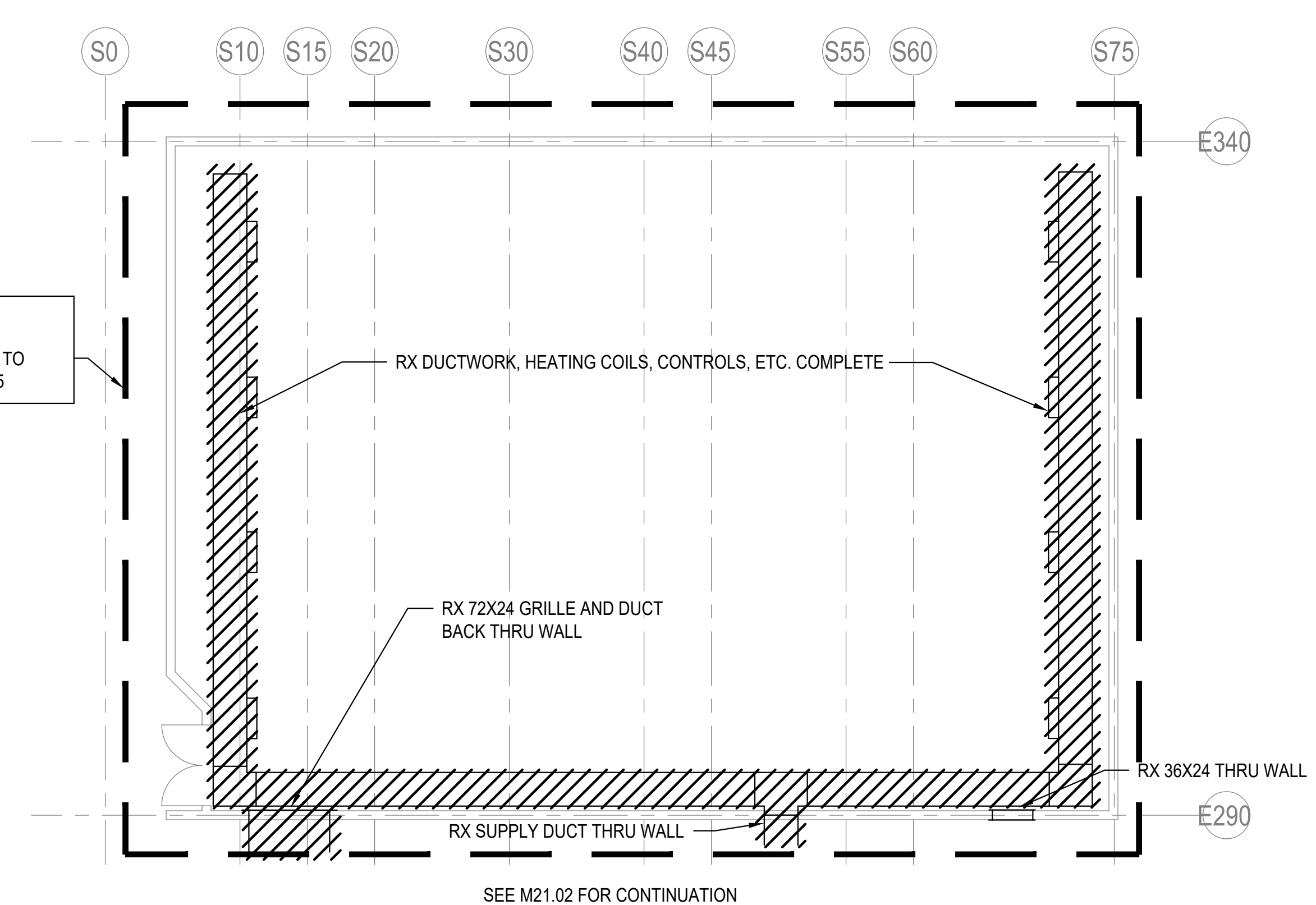
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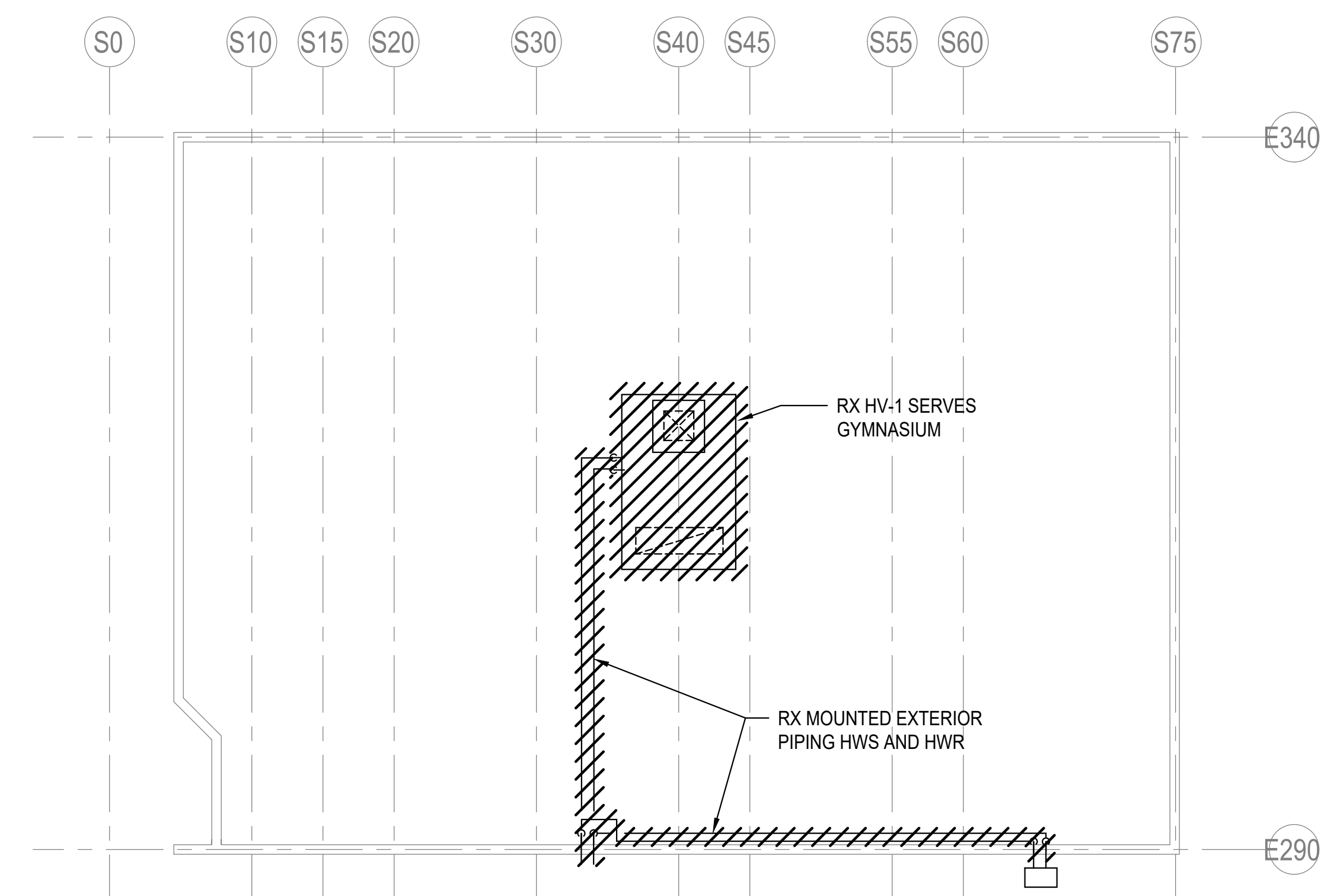




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**BASE BID - LOWER GYM DEMOLITION FLOOR PLAN**  
SCALE: 1/8"=1'-0"



**BASE BID - ROOF DEMOLITION PLAN**  
SCALE: 1/8"=1'-0"

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## GYM FLOOR PLANS AND ROOF PLAN

SHEET #

# M21.05



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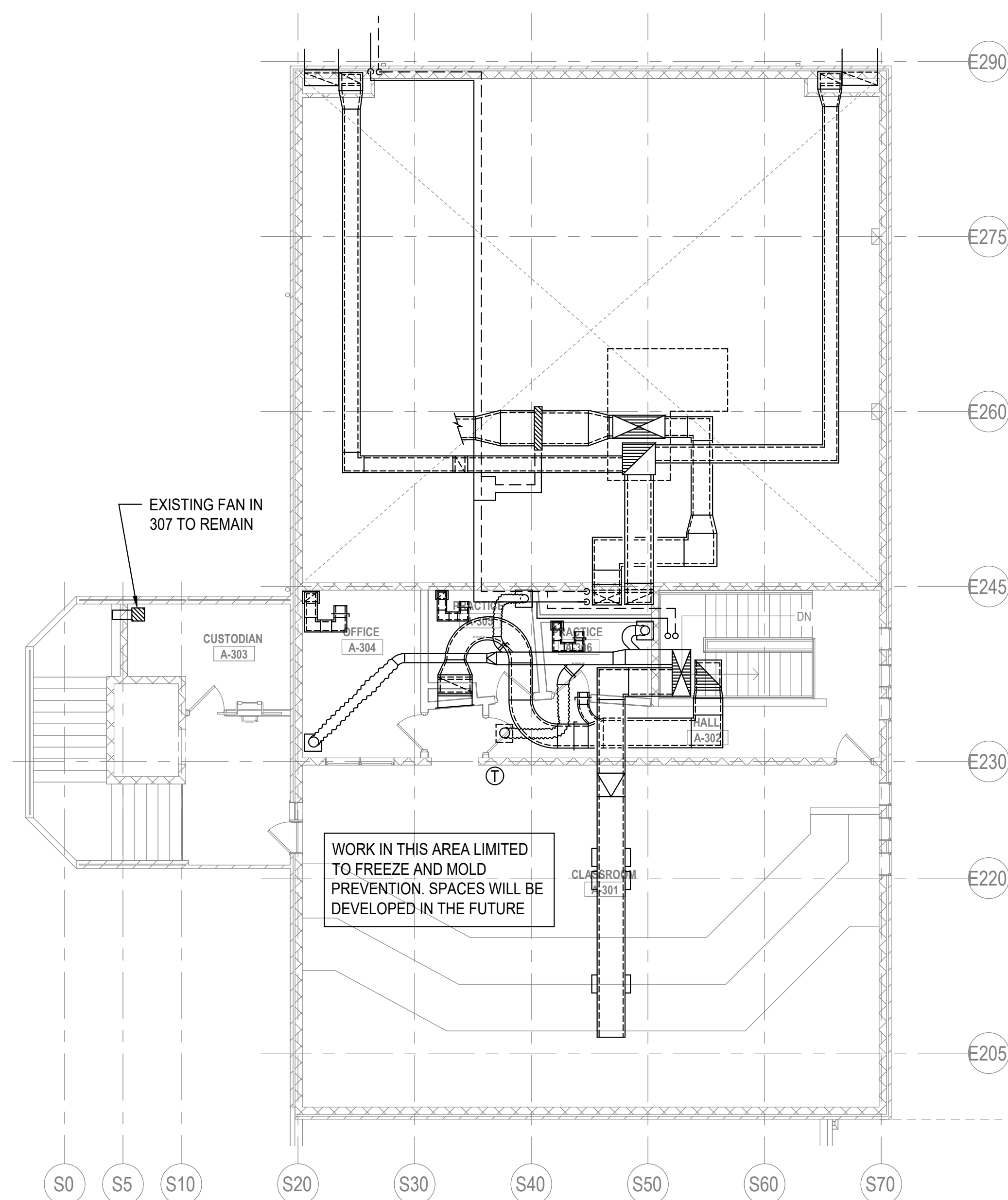
**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

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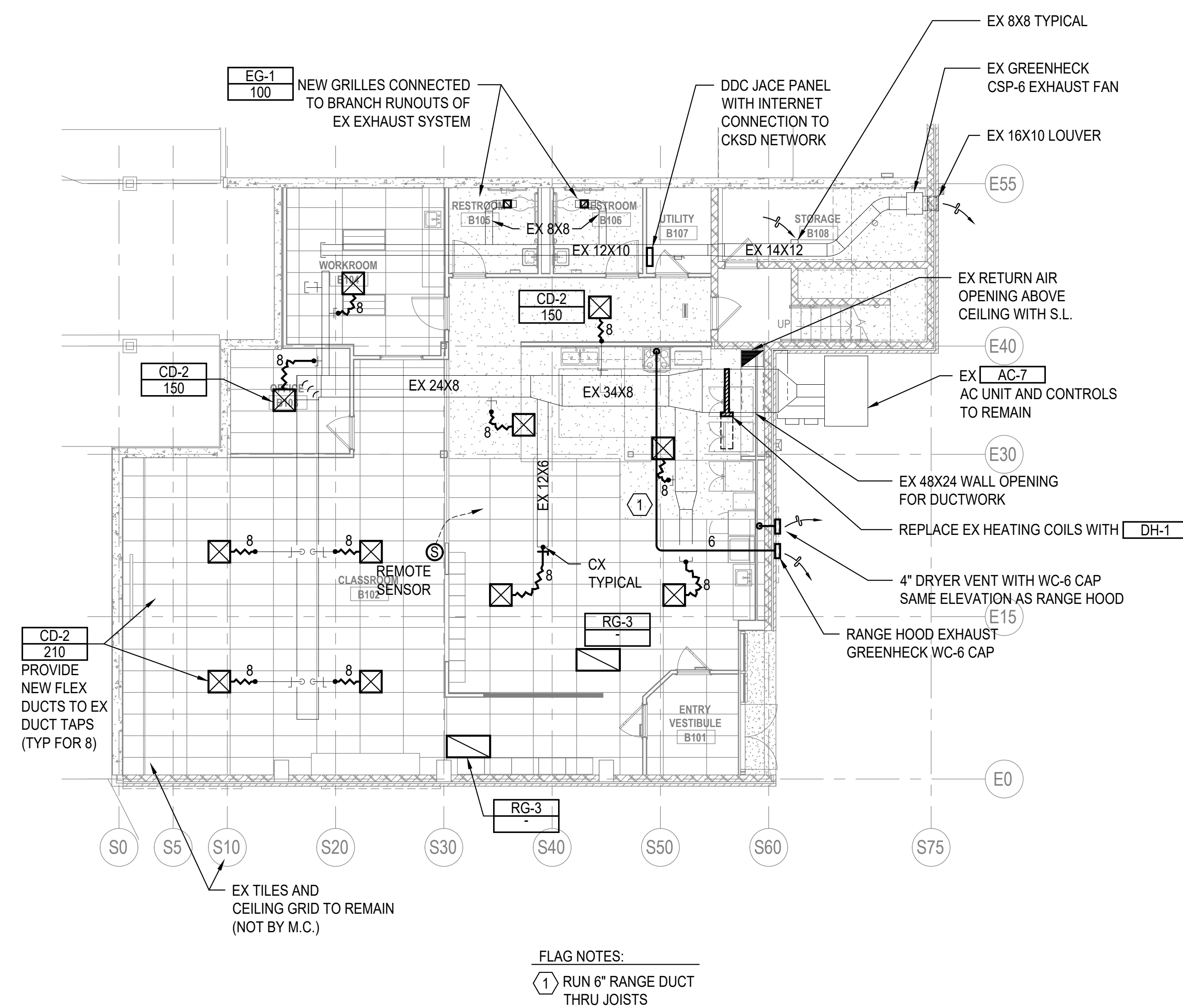
## BASEMENT AND LEVEL 3 FLOOR PLANS

SHEET #

## M21.11

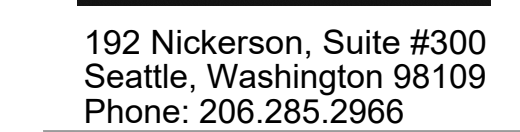


**LEVEL 3 FLOOR PLAN**  
**SCALE: 1/8"=1'-0"**



## BASEMENT FLOOR PLAN

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

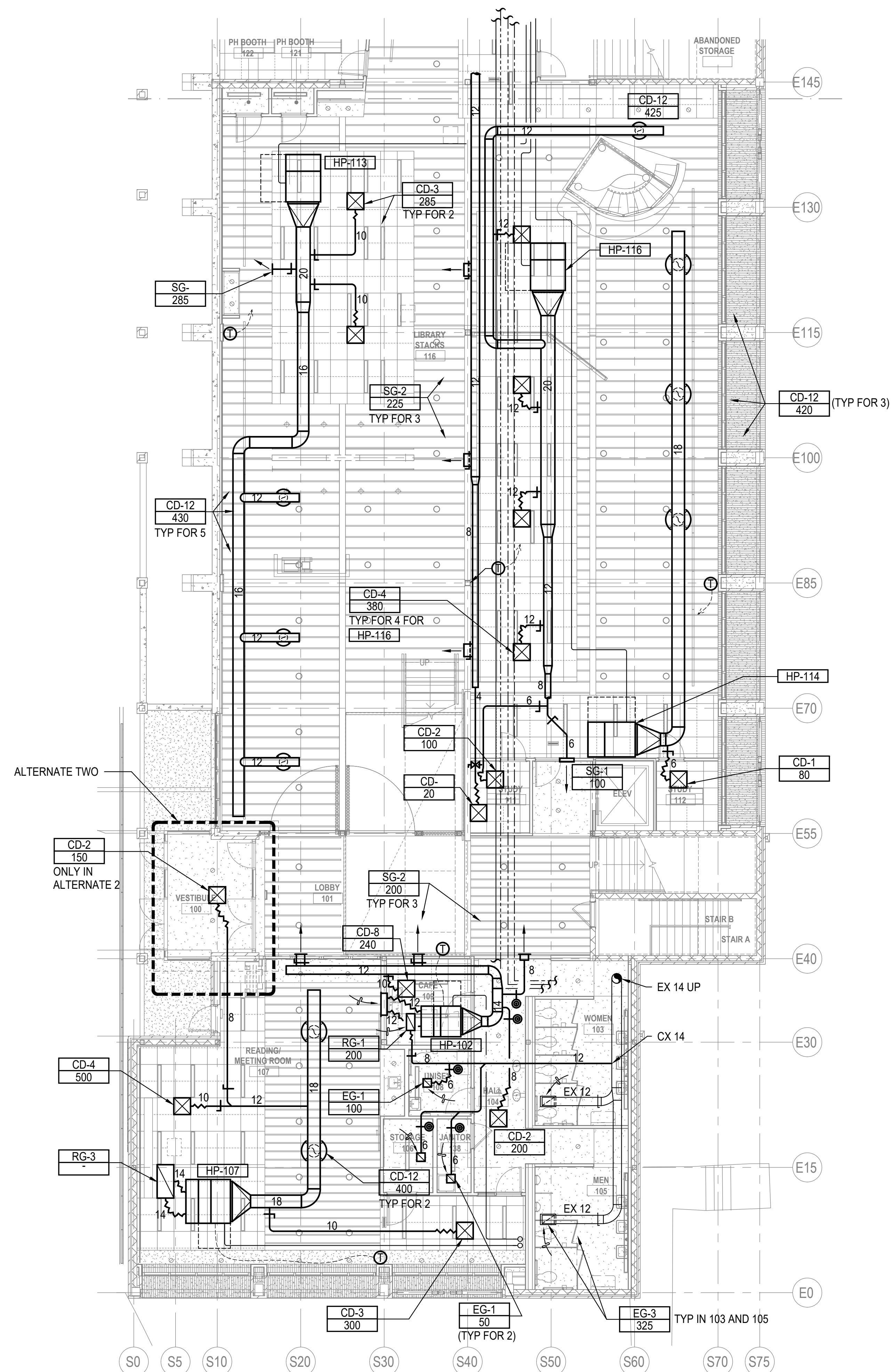


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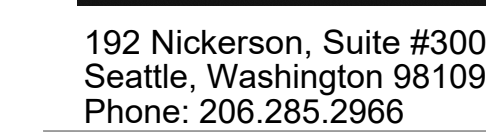
SHEET #

**M21.12**



**LEVEL 1 FLOOR PLAN - SOUTH**  
**SCALE: 1/8"=1'-0"**





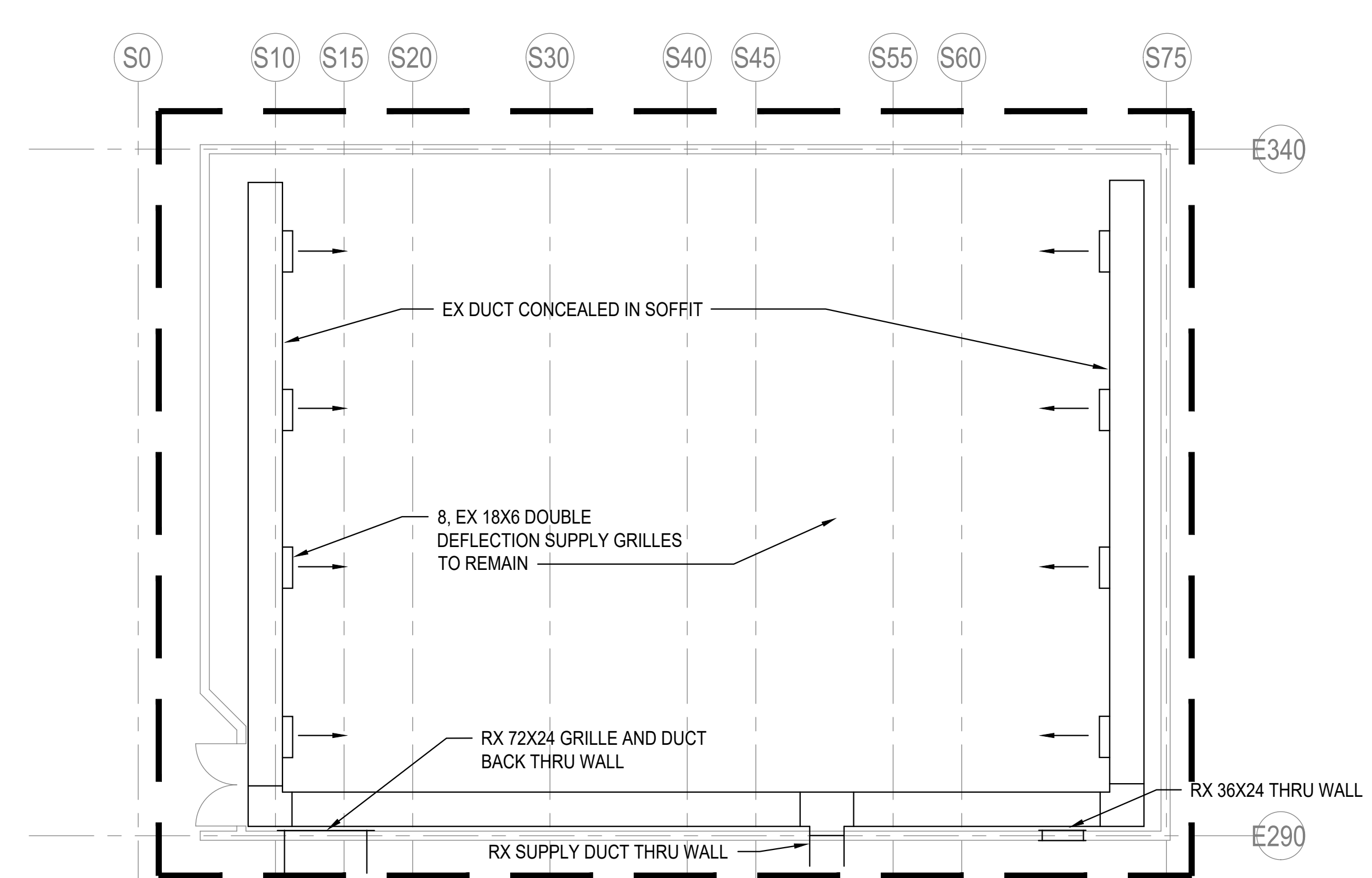
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## REVISION SCHEDULE

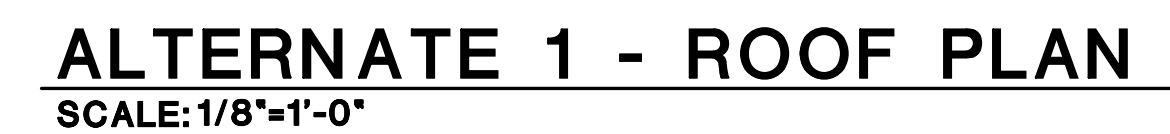
SHEET #

**M21.14**





## ALTERNATE 1 - LOWER GYM FLOOR PLAN



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[illegible]

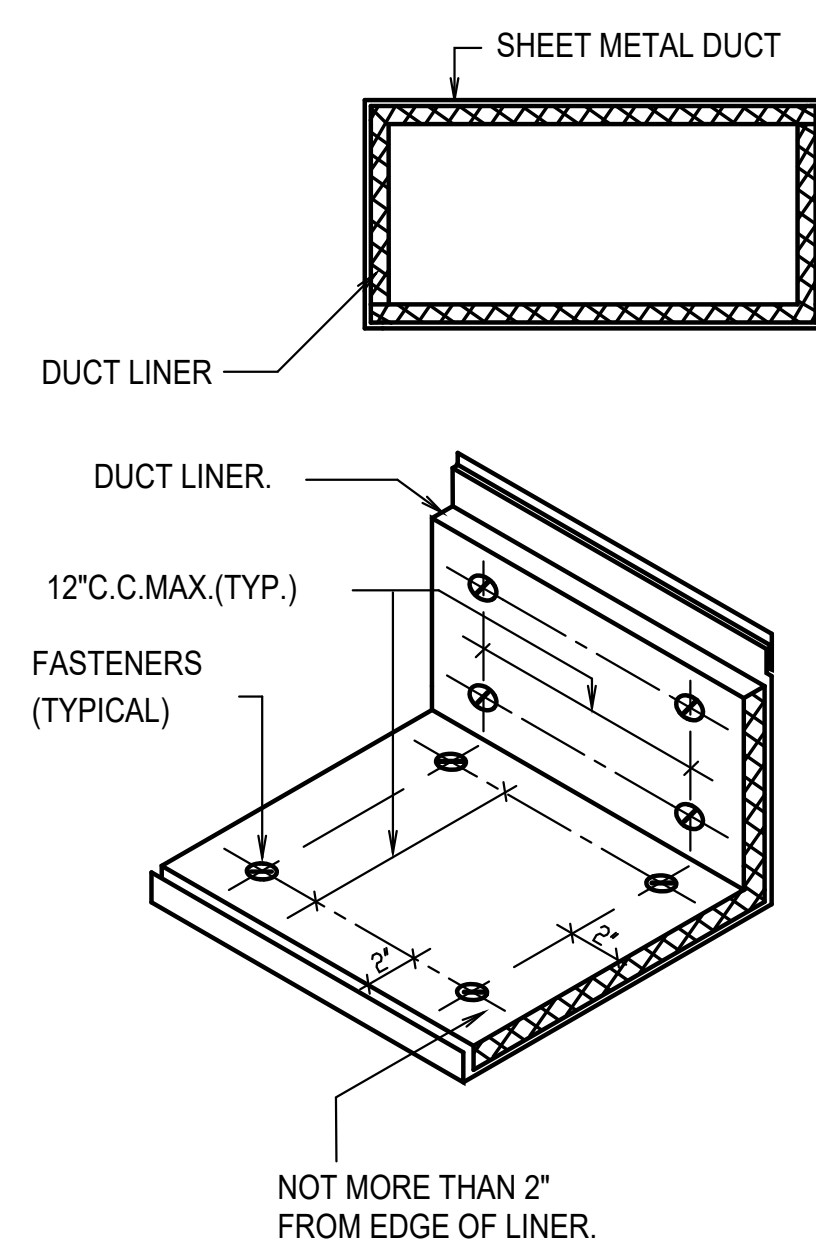
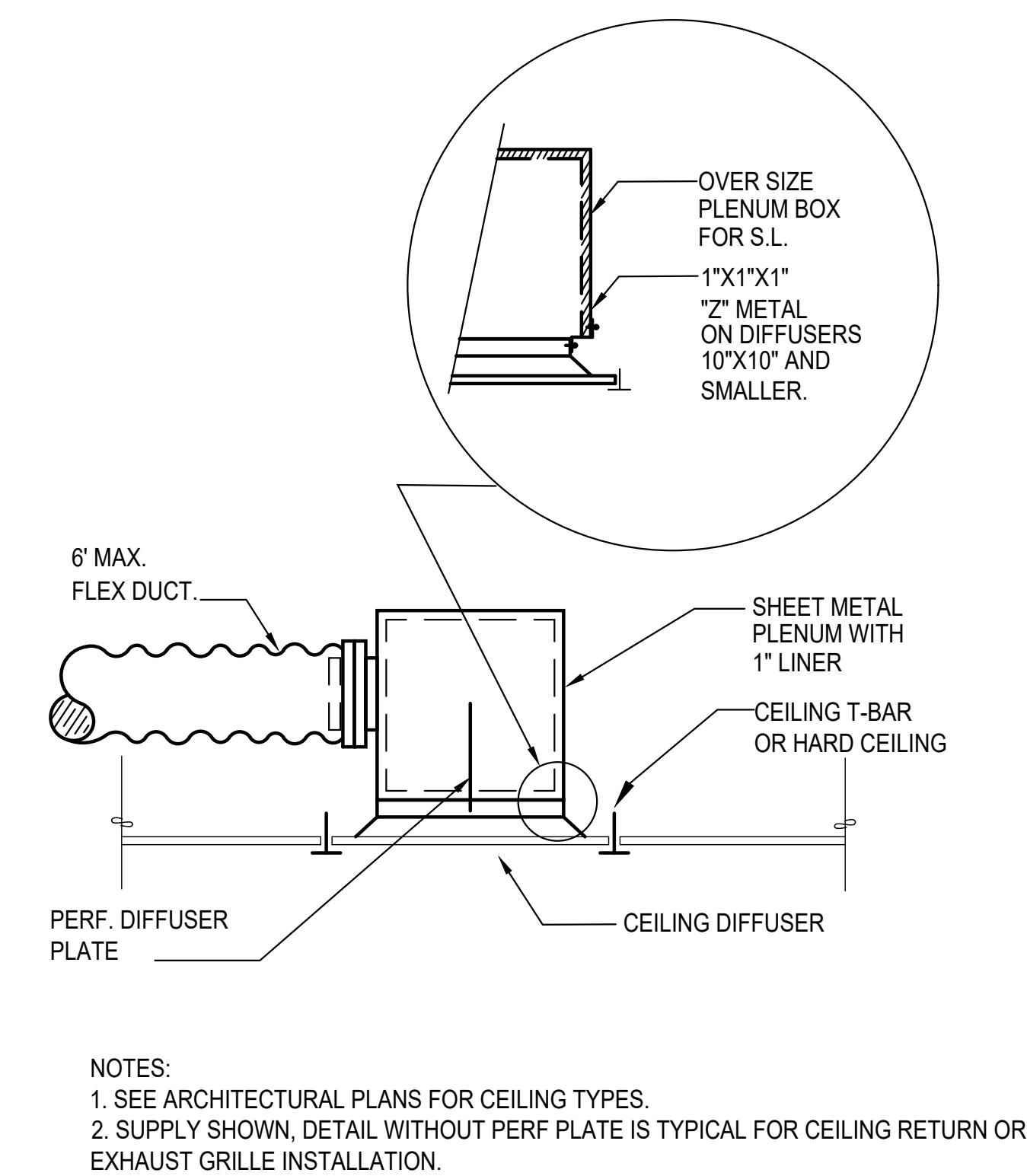
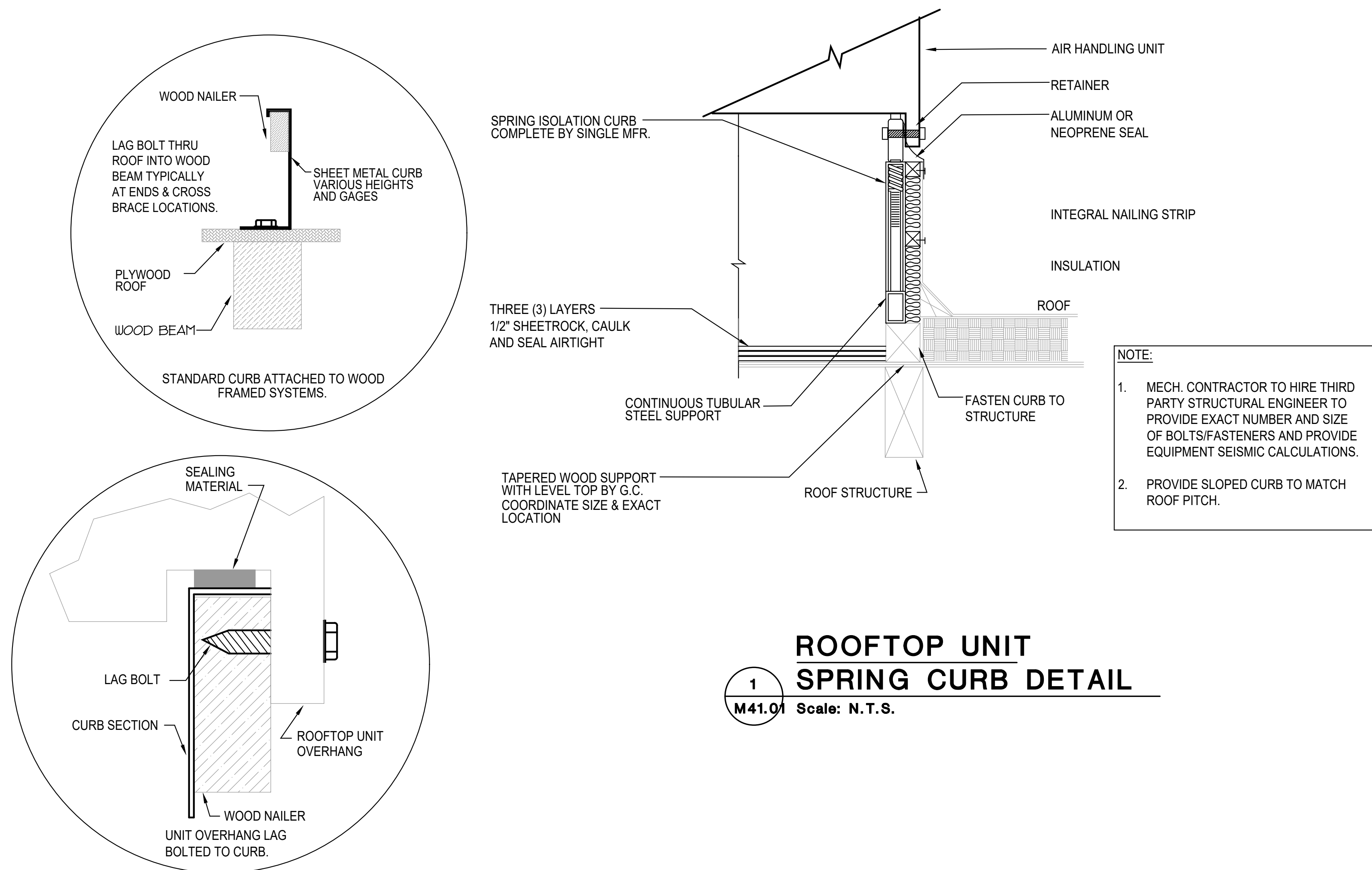
# ALTERNATE 1

## GYM FLOOR PLANS

## AND ROOF PLAN

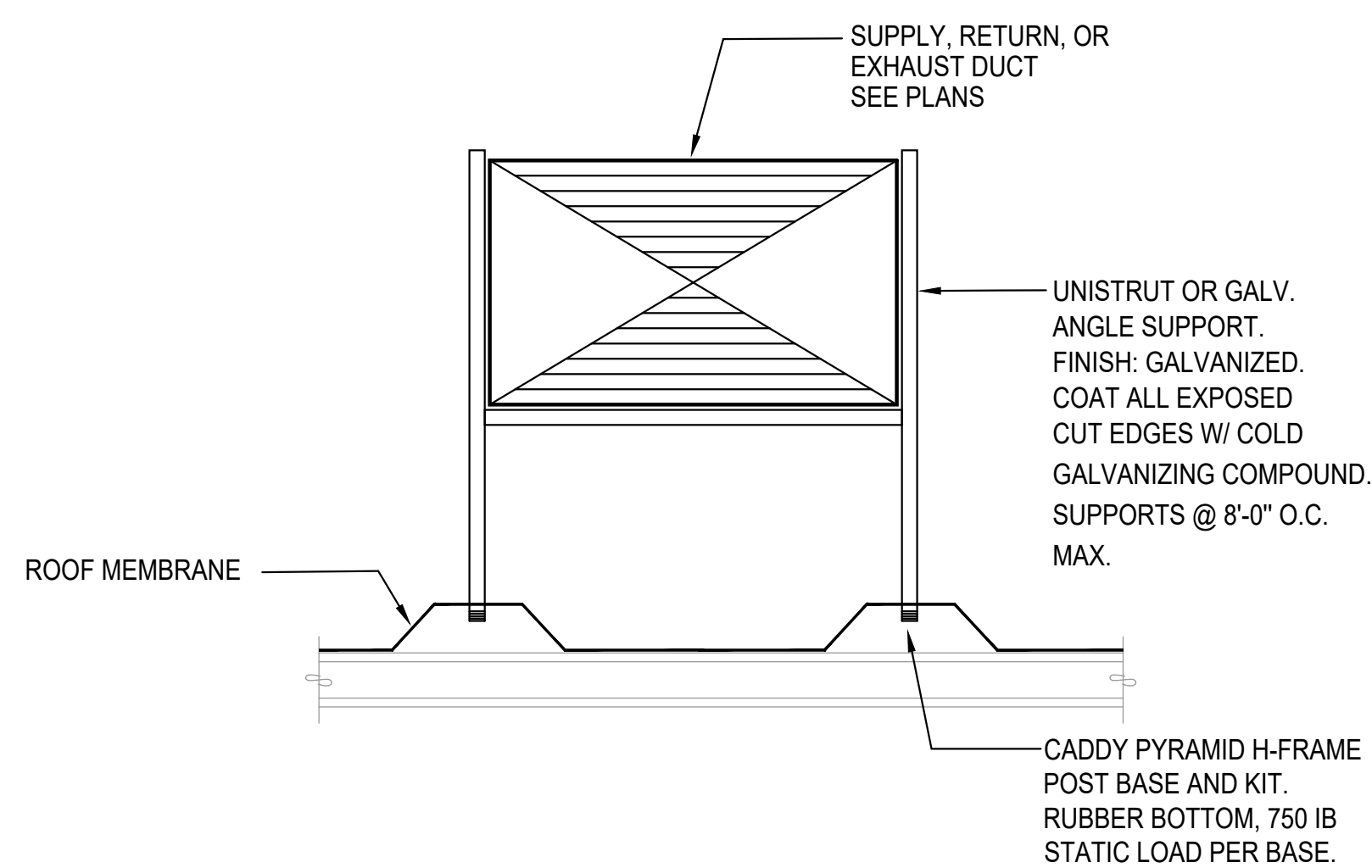
SHEET #

**M21.15**



- NOTES:
1. PROVIDE S/M NOSING AT EXPOSED EDGES OF INSULATION.
  2. ALL TRANSVERSE AND LONGITUDINAL ENDS OF LINER TO BE COATED WITH ADHESIVE.

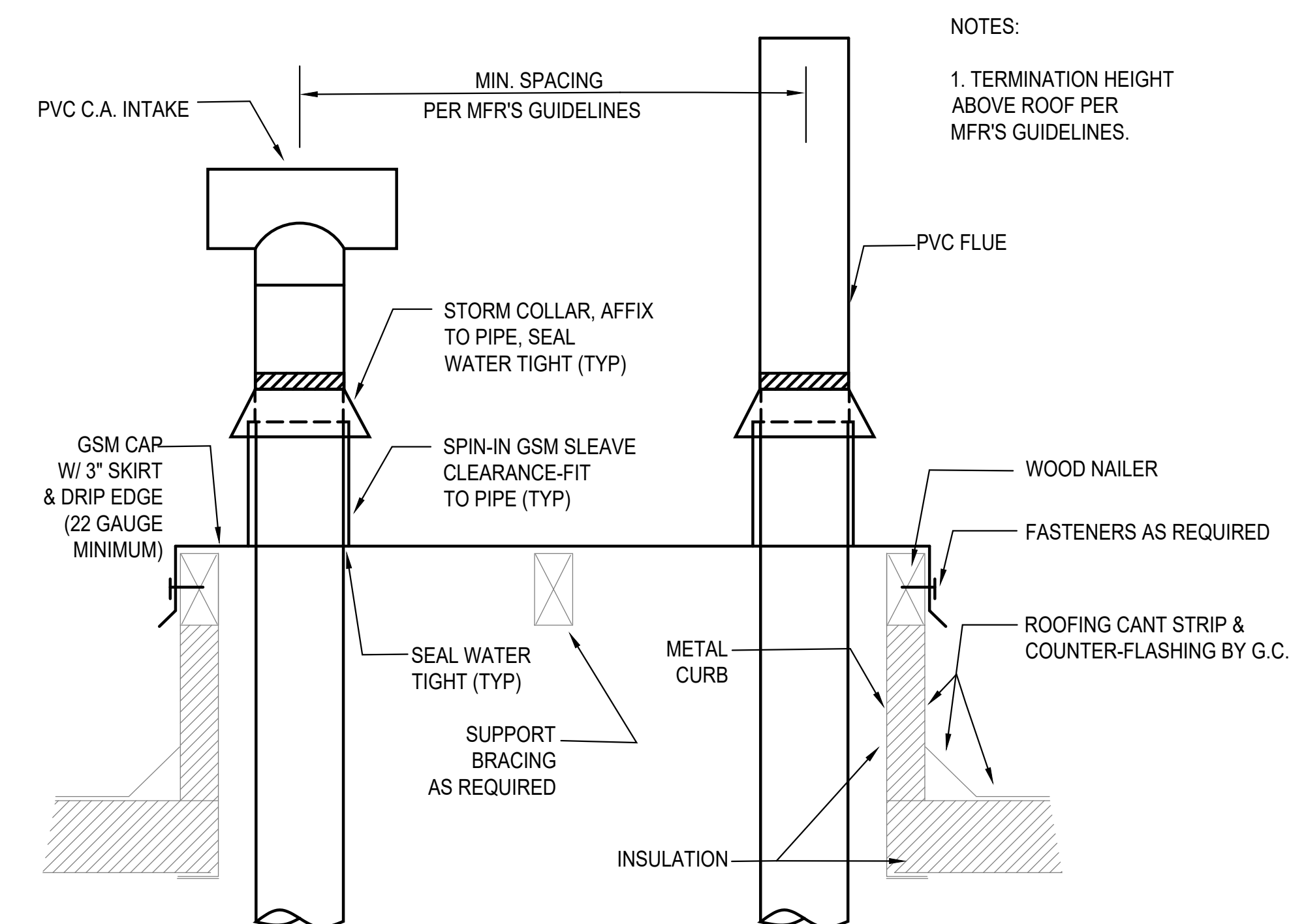
**3 DUCT LINER DETAIL**  
M41.01 N.T.S.



**ROOFTOP DUCT  
SUPPORT DETAIL**

**4**

**M41.01 N.T.S.**



5 FLUE & C.A. ROOF TERMINATION DETAIL  
M41.01 N.T.S.



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[illegible]

## DETAILS

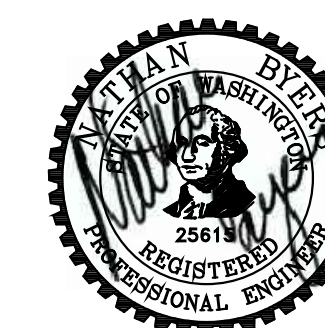
SHEET #

# M41.01





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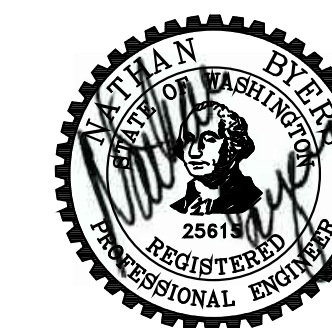
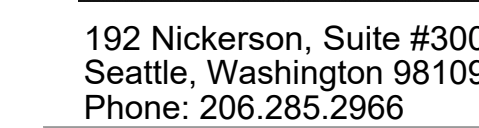
**CKSD/ KRL**  
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[illegible]

## DETAILS

SHEET #

# M41.03



**CKSD/ KRL**  
**9900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

[illegible]

## CONTROLS

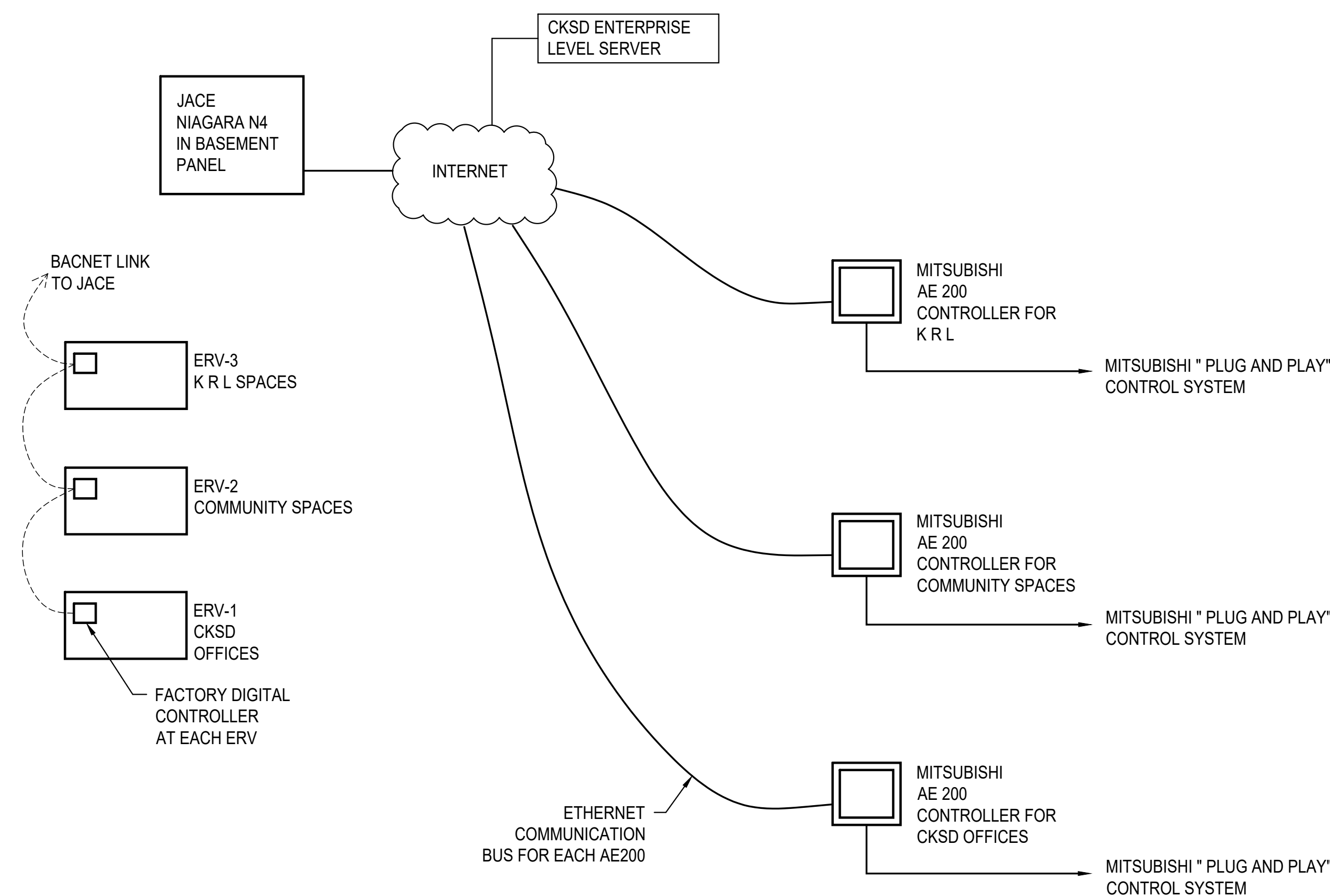
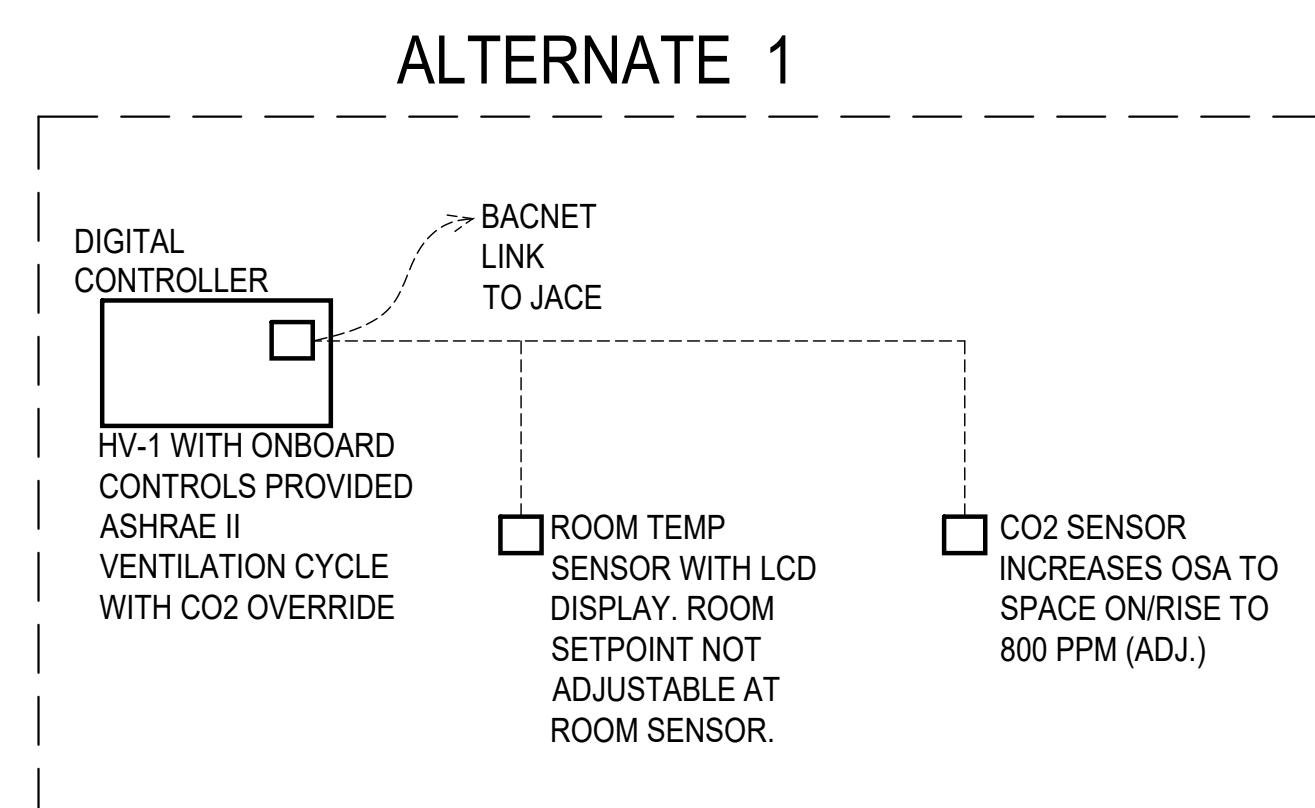
SHEET #

# M51.01





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# CONTROL ARCHITECTURE DIAGRAM

**CKSD/ KRL**  
**9900 BUILDING RENOVATION**  
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 SILVERDALE, WA 98383

[illegible]

## CONTROLS

SHEET #

**M51.02**



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**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
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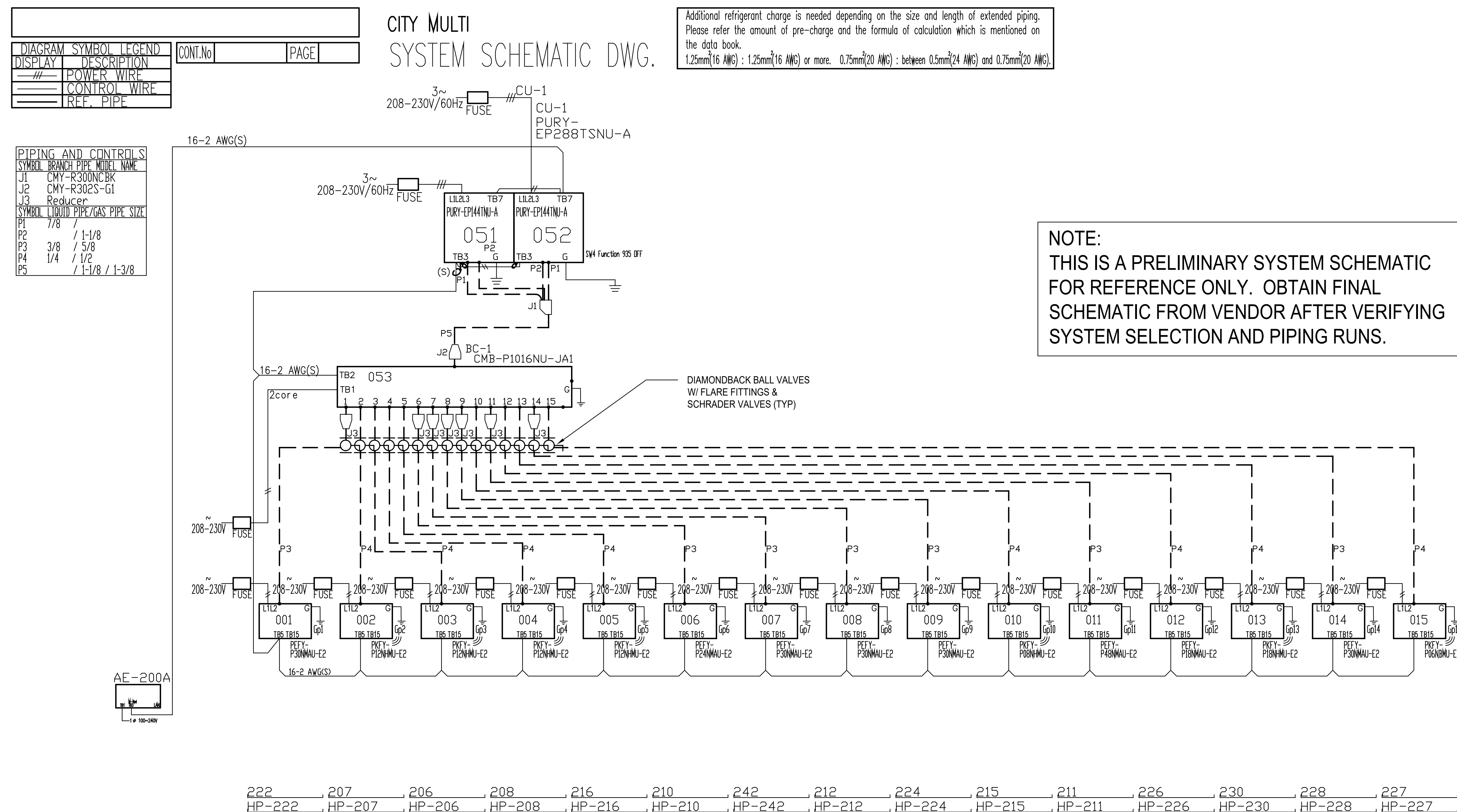
CONTROLS

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CU-1

SHEET #

**M51.03**





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**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

PROJECT #	18100
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**PERMIT SET**

ISSUE DATE    DECEMBER 24, 2019

## REVISION SCHEDULE

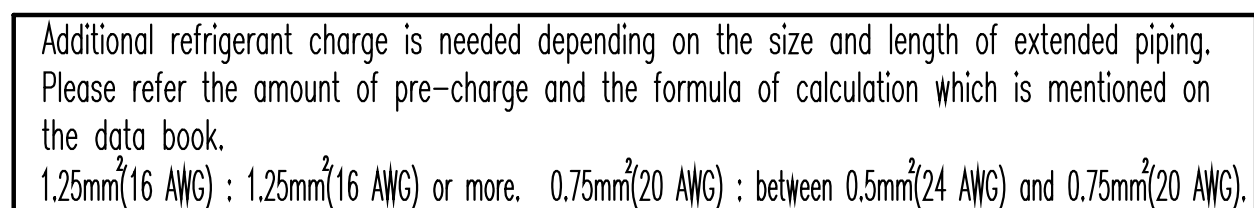
CONTROLS

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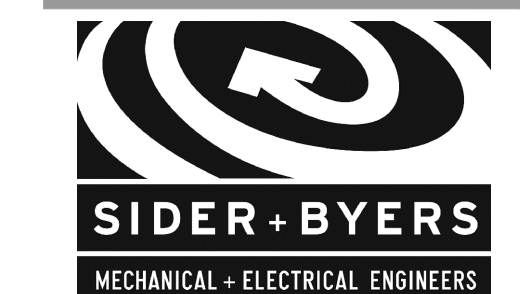
CU-2

SHEET #

# M51.04



NOTE:  
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**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

PROJECT #	18100
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## PERMIT SET

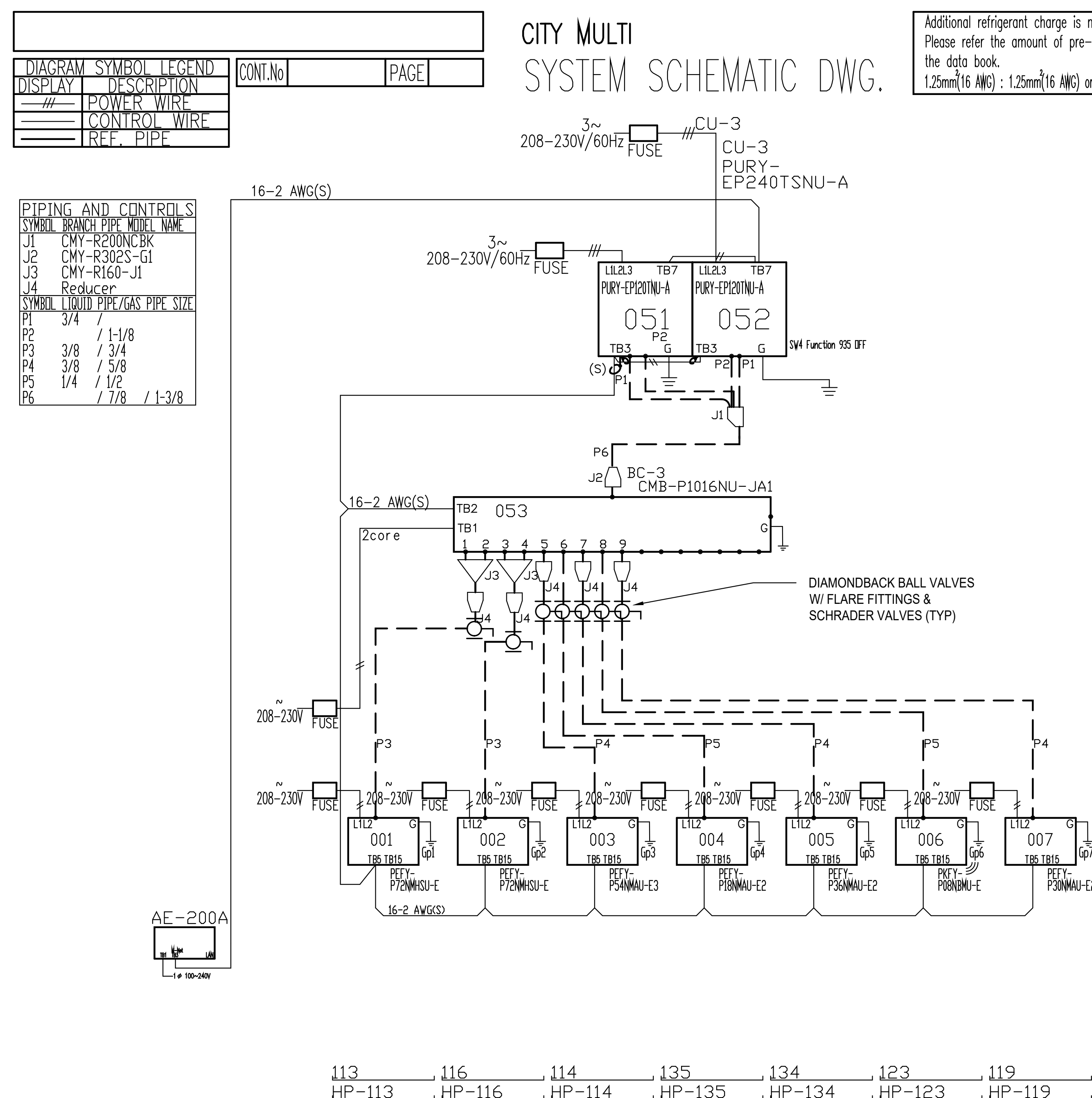
ISSUE DATE DECEMBER 24, 2019

## REVISION SCHEDULE

CONTROLS  
CU-1

SHEET #

# M51.03


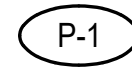

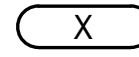
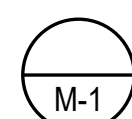


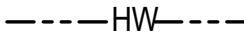

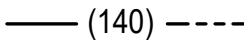
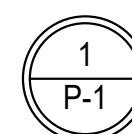

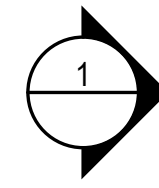





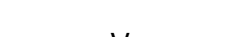











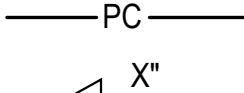
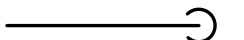


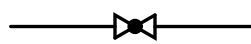




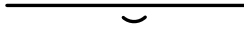
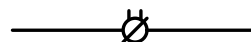
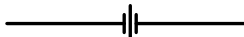




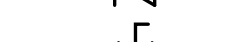
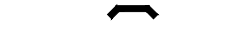





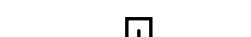
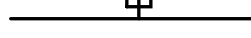
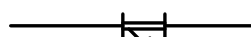

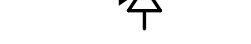

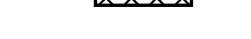
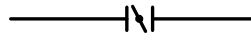


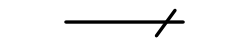














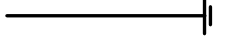


Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.

1.25mm<sup>2</sup>(16 AWG) : 1.25mm<sup>2</sup>(16 AWG) or more. 0.75mm<sup>2</sup>(20 AWG) : between 0.5mm<sup>2</sup>(24 AWG) and 0.75mm<sup>2</sup>(20 AWG).

NOTE:  
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SCHEMATIC FROM VENDOR AFTER VERIFYING  
SYSTEM SELECTION AND PIPING RUNS.

# PLUMBING SYMBOLS LEGEND

LINETYPE LEGEND		PIPE VALVES AND SPECIALTIES	
	EXISTING		PLUMBING EQUIPMENT
	NEW WORK DARK/HEAVY		MEDICAL TAG
PIPING SYSTEM LABELS			DETAIL NUMBER SHEET
	COLD WATER		FLAG NOTE
	HOT WATER		REVISION TAG
	HOT WATER (TEMPERATURE)		PLUMBING RISER NO. SHEET
	HOT WATER CIRCULATING		SECTION NUMBER SHEET NUMBER
	STORM DRAIN		
	PUMPED WASTE		
	WASTE (BURIED)		
	WASTE (ABOVE GRADE)		
	GREASE WASTE		
	VENT		
	RAINLEADER		
	OVERFLOW DRAIN		
	NON-POTABLE COLD WATER		
	NATURAL GAS OR PROPANE		
	FIRE SERVICE		
	DIRECTION OF FLOW		
	COMPRESSED AIR		
	DIONIZED WATER		
	VACUUM		
	CONDENSATE		
	PUMPED CONDENSATE		
	SLOPE SYMBOL (X' PER FOOT)		
PIPE FITTINGS		PIPE VALVES AND SPECIALTIES	
	PIPE DOWN		GATE VALVE
	PIPE UP		GLOBE VALVE
	TEE UP		NON RISING STEM VALVE
	TEE DOWN		RISING STEM GATE VALVE
	UNION		BALANCING VALVE (CIRCUIT SETTER)
	PIPE ANCHOR POINT		AUTOFLOW VALVE
	PIPE GUIDE		CHECK VALVE
	FLANGE		BALL VALVE
	CAP		PRESSURE REDUCING VALVE
			SOLENOID VALVE
			PRESSURE GAUGE
			THERMOMETER
			STRAINER
			SAFETY VALVE
			PIPING FLEXIBLE CONNECTIONS
			BUTTERFLY VALVE
			CAP
			HOSE BIBB
			DOUBLE CHECK VALVE
			RPBA
			TRIPLE DUTY VALVE
			BALL VALVE MANUAL LEVER
			GLOBE VALVE MANUAL LEVER
			BALANCE VALVE (PRESSURE INDEPENDENT)
			PUMP
			METER
			METER
DRAINS AND CLEANOUTS			
	FLOOR SINK		
	FLOOR DRAIN		
	HIDDEN FLOOR DRAIN		
	ROOF DRAIN		
	OVERFLOW DRAIN		
	FLOOR CLEANOUT		
	GRADE CLEANOUT		
	TRENCH DRAIN		
	WALL CLEANOUT		
	UP TO CLEANOUT		
	FUNNEL DRAIN		
	STANDPIPE FUNNEL DRAIN		

## ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	MBH	1000 BRITISH THERMAL UNITS PER HOUR
ADA	AMERICANS WITH DISABILITIES ACT	MED	MEDIUM
ADJ	ADJUSTABLE	MEP	MECHANICAL, ELECTRICAL, PLUMBING
AFF	ABOVE FINISHED FLOOR	MEZZ	MEZZANINE
AFG	ABOVE FINISHED GRADE	MIN	MINIMUM
ALT	ALTERNATE	MISC	MISCELLANEOUS
AP	ACCESS PANEL		
APPROX	APPROXIMATE	N/A	NOT APPLICABLE
ARCH	ARCHITECTURAL/ARCHITECT	NC	NORMALLY CLOSED
AS	AIR SEPARATOR	NEG	NEGATIVE
AUX	AUXILIARY	NIC	NOT IN CONTRACT
		NOM	NOMINAL
BFF	BELOW FINISHED FLOOR	NP	NON-POTABLE COLD WATER
BFG	BELOW FINISHED GRADE	NPCW	NON POTABLE COLD WATER
BHP	BRAKE HORSE POWER	NPH	NON-POTABLE HOT WATER
BLDG	BUILDING	NPHR	NON-POTABLE HOT WATER RETURN
BOP	BOTTOM OF PIPE	NPT	NATIONAL PIPE THREAD
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BRITISH THERMAL UNIT PER HOUR		
		OD	OUTSIDE DIAMETER/OVERFLOW DRAIN
CA	COMBUSTION AIR	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CLG	CEILING	OFOI	OWNER FURNISHED OWNER INSTALLED
CMU	CONCRETE MASONRY UNIT	ORD	OVERFLOW ROOF DRAIN
CO	CLEANOUT	ORL	OVERFLOW RAINWATER LEADER
COND	CONDENSATE		
CW	COLD WATER	ΔP	PRESSURE DIFFERENTIAL
CX	CONNECT TO EXISTING		
		PD	PLANTER DRAIN; PRESSURE DROP
dB	DECIBEL	PERF	PERFORATED
DCVA	DOUBLE CHECK VALVE ASSEMBLY	PH	PHASE
DDCV	DOUBLE DETECTOR CHECK VALVE	PIV	POST INDICATOR VALVE
DDCVA	DOUBLE DETECTOR CHECK VAVLE ASSEMBLY	PLBG	PLUMBING
DF	DRINKING FOUNTAIN	PRESS	PRESSURE
DFU	DRAINAGE FIXTURE UNIT	PRV	PRESSURE REDUCING VALVE
DHW	DOMESTIC HOT WATER	PSF	POUNDS PER SQUARE FOOT
DHWC	DOMESTIC HOT WATER RECIRCULATION	PSI	POUNDS PER SQUARE INCH
Ø OR DIA	DIAMETER	PSIG	POUNDS PER INCH GAUGE
DN	DOWN		
DWG(S)	DRAWING(S)	QTY	QUANTITY
DWW	DRAIN, WASTE, VENT		
		RD	ROOF DRAIN
EA	EACH	REQD	REQUIRED
EEW	EMERGENCY EYEWASH	RL	RAIN WATER LEADER
EFF	EFFICIENCY	RM	ROOM
ELEV	ELEVATION	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
EQUIP	EQUIPMENT	RPM	REVOLUTIONS PER MINUTE
ES	EMERGENCY SHOWER	RLX	RELOCATE EXISTING
ET	EXPANSION TANK	RV	RELIEF VALVE
EX	EXISTING/EXISTING TO REMAIN	RX	REMOVE EXISTING
EXP	EXPANSION		
		S	SINK
FC	FAIL CLOSED	S	STORM
FCO	FLOOR CLEANOUT	SCFM	STANDARD CUBIC FEET PER MINUT
FD	FLOOR DRAIN	SD	STORM DRAIN
FDC	FIRE DEPARTMENT CONNECTION	SF	SQUARE FOOT
FF	FINISHED FLOOR	SFU	SUPPLY FIXTURE UNIT
FLA	FULL LOAD AMPS	SH	SHOWER
FM	FORCE MAIN	S.O.V.	SHUTOFF VALVE
FO	FAIL OPEN	SPEC	SPECIFICATION
FP	FIRE PROTECTION	S/S, OR SS	STAINLESS STEEL
FPM	FEET PER MINUTE	STD	STANDARD
FPS	FEET PER SECOND	SYM	SYMBOL
FS	FLOOR SINK		
FSZV	FIRE SPRINKLER ZONE VALVE ASSEMBLY	T&P	TEMPERATURE AND PRESSURE RELIEF VALVE
FT	FEET/FOOT	TBD	TO BE DETERMINED
FTG	FOOTING	TD	TRENCH DRAIN
FV	FLUSH VALVE	TEMP	TEMPERATURE
		TOB	TOP OF BEAM
G	NATURAL GAS	TOC	TOP OF CONCRETE
GA	GAUGE	TOD	TOP OF DECK
GAL	GALLON	TOJ	TOP OF JOIST
G.C.	GENERAL CONTRACTOR	TOS	TOP OF SLAB/TOP OF STEEL
GCO	GRADE CLEANOUT	TP	TRAP PRIMER
GD	GARAGE DRAIN	T&P	TEMPERATURE & PRESSURE
GPF	GALLONS PER FLUSH	TYP	TYPICAL
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE	UL	UNDERWRITERS LABORATORY
GW	GREASE WASTE	UNO	UNLESS NOTED OTHERWISE
		UR	URINAL
H	HEIGHT		
HB	HOSE BIBB	V	VENT(S)
HBVB	HOSE BIBB VACUUM BREAKER	V	VOLT
HD	HEAD	VERT	VERTICAL
HP	HORSEPOWER	VFD	VARIABLE FREQUENCY DRIVE
HS	HAND SINK	VIB	VALVE-IN-BOX
HW	HOT WATER	VTR	VENT THROUGH ROOF
HX	HEAT EXCHANGER		
		W	WASTE/WATER
IE	INVERT ELEVATION	W/	WITH
IN	INCH/INCHES	WIN	WITHIN
		W/O	WITHOUT
KW	KILOWATT/KILOWATTS	WC	WATER CLOSET
		WCO	WALL CLEANOUT
LAV	LAVATORY	WH	WATER HEATER
LBS	POUNDS	WPD	WATER PRESSURE DROP
LF	LINEAL FOOT	WT	WEIGHT
LTG	LIGHTING		
LWT	LEAVING WATER TEMPERATURE	YCO	YARD CLEANOUT



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[illegible]

# COVER SHEET

## PLUMBING NOTES

1. PLUMBING FIXTURES SHALL BE DESIGNED OR EQUIPPED TO MEET FOLLOWING MAXIMUM WATER USE EFFICIENCY STANDARDS:
 

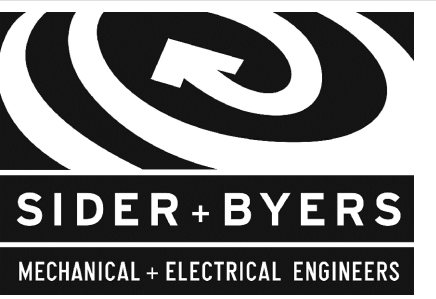
A. WATER CLOSETS (TANK STYLE OR FLUSH VALVE).	1.28 GPF
B. SHOWER HEADS	1.5 GPM
C. RESIDENTIAL LAVATORY FAUCETS.	1.5 GPM
D. PUBLIC LAVATORY FAUCETS.	0.5 GPM
E. KITCHEN SINK FAUCETS	1.5 GPM

SINK AND LAVATORY DRAINS SHALL BE CHROME PLATED 17 GA. BRASS TUBING BY ENGINEERED BRASS, DEARBORN BRASS OR BRASSCRAFT. PROVIDE INSULATED P-TRAP AND SUPPLY COVERS (TRUEBRO OR EQUAL) AT ALL EXPOSED P-TRAPS AND SUPPLIES PER A.D.A. STANDARDS.
  2. PLUMBING FIXTURE MOUNTING SHALL COMPLY WITH CONTRACT DOCUMENTS, ADA, AND WASHINGTON STATE ACCESSIBILITY CODE.
  3. INSTALL WATER HAMMER ARRESTORS ON HOT & COLD WATER PIPING OF EACH FIXTURE GROUP AND AT ALL FIXTURES W/QUICK ACTING VALVES. UNITS SHALL BE ZURN "SHOKTROLL" OR EQUAL. SELECT UNIT SIZE AND LOCATION PER MANUFACTURERS RECOMMENDATIONS AND IN ACCORD WITH PDI STANDARD WH-201. PROVIDE ACCESS PANELS AT ARRESTORS ABOVE GWB CEILINGS. ALL ACCESS PANELS AND DOORS SHALL BE ELMDOR FAB. STEEL SLK SERIES OR EQUAL WITH 14 GAUGE DOOR AND FRAME. PROVIDE WITH CYLINDER LOCK, CONTINUOUS PIANO HINGE AND PRIME COATED READY FOR PAINTING.
  4. COLD WATER AND HOT WATER PIPING SHALL BE INSULATED AND ROUTED FULL SIZE WITH APPROPRIATE SIZE REDUCTION AT POINT OF CONNECTION TO FIXTURE. 1/2" WATER LINE LIMITED TO 10'-0" DISTANCE FROM FIXTURE. "DEAD-LEGS" OR "FUTURE" STUBS ON ACTIVE POTABLE WATER LINES SHALL BE LIMITED TO 4' TO PREVENT STAGNANT WATER CONDITIONS.
  5. INSTALL WATER PIPING ON WARM SIDE OF BUILDING INSULATION. SEE SPEC. FOR INSULATION SYSTEMS. SEE DWGS. FOR ELEC. HEAT TRACE REQUIREMENTS. SEE PLUMBING DETAILS FOR PIPE HANGER STYLE. SEE SPEC. FOR HANGER SPACING.
  6. WHEN CONNECTING TO EXISTING BURIED WASTE PIPING VERIFY PROPER FLOW CONDITIONS BEFORE COVERING. BURIED WASTE & VENT PIPING SHALL BE MIN. 2" DIA. & SLOPED 1/4"/FT., UNLESS OTHERWISE NOTED. PVC OR ABS PIPING SHALL BE USED ONLY IF APPROVED BY ADMINISTRATIVE AUTHORITY. SEE SPECIFICATIONS FOR FURTHER INFO.
  7. PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS EXCEPT IN SHOWER STALLS OR OTHERWISE NOTED ON DWGS. CONTRACTOR SHALL INSTALL ACCESS PANELS WHERE PRIMERS ARE CONCEALED IN WALLS.
  8. COORDINATE VENT THROUGH ROOF (VTR) LOCATIONS WITH HVAC UNITS. MAINTAIN MIN. 10'-0" CLEARANCE. OFFSET VTR AS NECESSARY. COORDINATE PIPE ROUTING WITH HVAC AND SPRINKLER CONTRACTORS.
  9. SITE WATER PRESSURE IS 58 PSI PER SILVERDALE WATER DEPT.
  10. RISER DIAGRAMS & PLANS DO NOT SHOW SOME PIPING OFFSETS REQUIRED FOR STRUCTURAL CLEARANCES. EXACT ROUTING MAY VARY FROM THAT INDICATED. ALL WASTE PIPING INCLUDING RISERS ON RESIDENTIAL LEVELS TO BE CAST IRON.
  11. PROVIDE ELECTRIC HEAT TRACE UNDER PIPING INSULATION FOR ALL WATER PIPING INSTALLED IN UNHEATED GARAGE SPACES.
  12. CONFIGURE PIPING FOR SUDS RELIEF AS REQUIRED BY THE UPC.
  13. ALL LEVER CONTROLLED WATER CLOSETS TO BE INSTALLED WITH THE LEVER ON THE OPEN SIDE OF THE BATHROOM.

## ENERGY CODE NOTES

1. SEE SCHEDULE FOR WATER HEATER EQUIPMENT TYPE, CAPACITY AND EFFICIENCY. MINIMUM EFFICIENCY SHALL MEET TABLE C404.2
2. PUBLIC LAVATORIES SHALL BE EQUIPPED WITH AN ASSE 1070 MIXING VALVE SET TO DELIVERY 110 F HOT WATER.
3. NONCIRCULATING HOT WATER SYSTEMS WITHOUT AN INTEGRAL HEAT TRAP SHALL BE PROVIDED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING.
4. ELECTRIC WATER HEATERS IN UNCONDITIONED SPACES OR ON CONCRETE FLOORS SHALL BE PLACED ON INCOMPRESSIBLE R-10 INSULATION.
5. PROVIDE PIPE INSULATION PER ENERGY CODE SECTION C403.2.9 AND SPECIFICATION SECTION 22 07 00.
6. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, SUNLIGHT, MOISTURE AND WIND. PROVIDE JACKET AND ALUMINUM COVERS. ADHESIVE TAPE IS NOT PERMITTED.
7. ALL PIPE AND WRAP INSULATION SHALL BE LABELED WITH ITS THICKNESS AND INSULATING VALUE (R OR K).
8. THE MAXIMUM ALLOWABLE PIPING LENGTH FROM THE NEAREST SOURCE OF HOT WATER TO THE TERMINATION OF THE FIXTURE SUPPLY SHALL COMPLY WITH C404.3
9. CIRCULATING HOT WATER PUMPS OR HEAT TRACE SHALL BE EQUIPPED WITH AUTOMATIC TIMERS.

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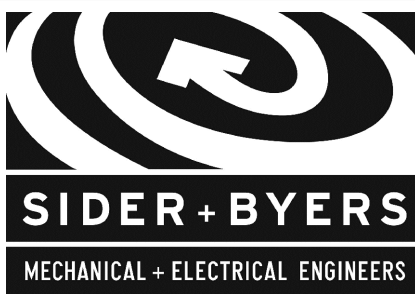
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## NOTES

SHEET #

# P10.02



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[illegible]

## SCHEDULES

## PLUMBING FIXTURE SCHEDULE

<u>MARK</u>	<u>ITEM</u>	<u>MFR: MODEL</u>	<u>DESCRIPTION</u>
<b>WC-1</b>	WATER CLOSET	KOHLER: 4325	WALL-MOUNT, SIPHON JET, ELONG. RIM., VIT. CHINA, 1 1/2" TOP SPUD, WHITE, MOUNT AT 15" RIM HEIGHT.
	SEAT	BEMIS: 1955 C	WHITE PLASTIC, OPEN FRONT, W/O COVER.
	FLUSH VALVE	SLOAN: ROYAL 111-1.28	1.28 GPF FLUSH VALVE
<b>WC-2 (ADA)</b>	WATER CLOSET	KOHLER: 4325	WALL-MOUNT, SIPHON JET, ELONG. RIM., VIT. CHINA, 1 1/2" TOP SPUD, WHITE, MOUNT AT 17" RIM HEIGHT. INSTALL FLUSH VALVE HANDLE TOWARDS OPEN SIDE OF RESTROOM PER ADA REQUIREMENTS.
	SEAT	BEMIS: 1955 C	WHITE PLASTIC, OPEN FRONT, W/O COVER.
	FLUSH VALVE	SLOAN: ROYAL 111-1.28	1.28 GPF FLUSH VALVE
<b>UR-1</b>	URINAL	KOHLER: K-5452-ET	WALL MOUNT, SIPHON JET, VIT. CHINA, 3/4" TOP SPUD, 0.125 GAL. FLUSH, WHITE, A.D.A. COMPLIANT. SEE ARCH DWGS. FOR MOUNTING HEIGHTS. WATERSENSE LABELED.
	VALVE	SLOAN: ROYAL 186-0.125 DBP	EXPOSED FLUSHOMETER. 0.125 GPF WATERSENSE LABELED.
<b>LAV-1</b>	LAVATORY	KOHLER: K-2005-4	21-1/4" X 18-1/8", WALL MOUNT, VIT. CHINA, 3 HOLES ON 4" CTRS, WHITE, CONCEALED ARM CARRIER, ADA.
	FAUCET	DELTA: 523LF-HDF	5" SPOUT, SGL. LEVER HANDLE, 4" CENTERS, POP-UP DRAIN ASSEMBLY, 0.5 GPM AERATOR, CHROME
	DRAIN		INSULATE DRAIN AND STOPS PER ADA REQUIREMENTS
	LAVATORY MIXING VALVE	SYMMONS: 7-210-CK-B	THERMOSTATIC MIXING VALVE, INTEGRAL CHECKS, 3/8" INLETS AND OUTLET, PROVIDE WHITE ENAMEL WALL CABINET AND MOUNT BELOW LAVATORIES. MUST COMPLY WITH ASSE 1070.
<b>LAV-2</b>	LAVATORY	KOHLER: 2196-4	17" X 20" OVAL, COUNTER TOP, SELF RIM, VIT. CHINA, 4" CTRS, WHITE.
	FAUCET	CHICAGO: 2200-4E37ABCP	4 1/2" SPOUT, AERATOR, SGL. LEVER HANDLE, 4" CTRS., CHROME PLATE, VANDAL RES., 1.5 GPM
	DRAIN	CHICAGO:	PERFERATED STRAINER. INSULATE DRAIN AND WATER PIPING PER ADA.
	LAVATORY MIXING VALVE	SYMMONS: 7-210-CK-B	THERMOSTATIC MIXING VALVE, INTEGRAL CHECKS, 3/8" INLETS AND OUTLET, PROVIDE WHITE ENAMEL WALL CABINET AND MOUNT BELOW LAVATORIES. MUST COMPLY WITH ASSE 1070.
<b>S-1</b>	SINK	ELKAY: DLR332210	33"X22"X10-1/8" DEEP, DOUBLE COMPARTMENT, #18 GAUGE STAINLESS STEEL, SELF-RIMMING SOUND DEADENED,
	FAUCET	CHICAGO: 201-AL8XKABCP	8" SWINGING SPOUT, 2.2 GPM, LEVER HANDLES, 8" CTRS.
	DRAIN(S)		CRUMB CUP STRAINER, 1 1/2" TAILPIECE, STAINLESS STEEL.
	DISPOSER	I.S.E: EVOLUTION EXCEL	1 HP, 1725 RPM, 120V/1 PHASE, PROVIDE SINKTOP SWITCH ACCESSORY IN CHROME, VERIFY COUNTERTOP PUSH BUTTON CONTROL LOCATION WITH ARCHITECT. STANDARD ELECTRICAL OUTLET UNDER SINK COUNTER BY DIV. 26.
<b>S-2</b>	SINK	ELKAY: DLR191910	19-1/2"X19"X10-1/8" DEEP, SINGLE COMPARTMENT, #18 GAUGE STAINLESS STEEL, SELF-RIMMING SOUND DEADENED,
	FAUCET	CHICAGO: 201-AL8XKABCP	8" SWINGING SPOUT, 2.2 GPM, LEVER HANDLES, 8" CTRS.
	DRAIN		CRUMB CUP STRAINER, 1 1/2" TAILPIECE, STAINLESS STEEL.

<u>MARK</u>	<u>ITEM</u>	<u>MFR: MODEL</u>	<u>DESCRIPTION</u>
<b>DF-1</b>	DRINKING FOUNTAIN	ELKAY: LZSTL8WSLK	WALL MOUNT, STAINLESS STEEL, ADA, BOTTLE FILLER, FRONT PUSH BUTTONS, HI-LOW BASINS, SEE ARCH. FOR MOUNTING HEIGHTS. ELECTRICAL OUTLET CONCEALED IN WALL BY DIV. 26. PROVIDE WITH ELKAY FRONT ACCESS PANEL MODEL #12X38 FOR ACCESS TO ELECTRICAL OUTLET.
	FILTER	ELKAY: EWF3000	LEAD REDUCTION FILTER DESIGN FOR USE WITH ABOVE DRINKING FOUNTAIN. QUICK DISCONNECT, 1/4 TURN INSTALLATION. INCLUDES REPLACEMENT FILTER.
	BOTTLE FILLING STATION	ELKAY: EZH2O	INSTALL ABOVE LOWER LEVEL FOUNTAIN
<b>FD-1</b>	FLOOR DRAIN	ZURN: Z-415-S	2" C.I. BODY, 5" SQ. ADJ. NICKEL BRONZE STRAINER, TRAP PRIMER TAPPING. PROVIDE TRAP PRIMERS FOR ALL INSTALLATIONS EXCEPT SHOWERS. <b>REFER TO FLOOR DRAIN DETAIL FOR DRAIN CONST. &amp;/OR COVERING.</b>
<b>SV-1</b>	SERVICE VALVE	SIOUX CHIEF: 696-G1010MF	1/2" SERVICE STOP FOR SUPPLY WATER, WATER HAMMER ARRESTOR, OUTLET BOX, 5-3/4" X 7-1/4" BOX.
<b>WH-1</b>	WATER HEATER	HEAT TRANSFER: PH-100-80	80 GAL. CAP., 173 GPH RECOVERY @ 70 DEG. F TEMP. RISE. 30 - 100 MBH MODULATING NATURAL GAS INPUT, PVC (SOLID CORE) COMBUSTION AIR & GAS VENT, 96% EFF., 235 LBS (DRY), 115 VOLT, 5 AMPS. ENERGY FACTOR (UEF) OF 0.93.
<b>ET-1</b>	DOMESTIC EXPANSION TANK	AMTROL: ST-12	STEEL CONST. W/INTERNAL DIAPHRAGM 11" DIA. X 15" HIGH.
<b>MV-1</b>	MASTER MIXING VALVE	SYMMONS: 7-500	THERMOSTATIC MIXING VALVE, INTEGRAL CHECK STOPS, REMOVABLE STRAINER, BRONZE FINISH, WALL MOUNTED.
<b>CP-1</b>	CIRC. PUMP	ARMSTRONG: ASTRO 250	6 GPM @ 15' HEAD, 115 V / 1 PHASE, FLA 1.0, 120 WATTS, STAINLESS STEEL PUMP BODY.
<b>SS-1</b>	SERVICE SINK	FIAT: MSB-2424	FLOOR STYLE 24" X 24" X 10" MOLDED COMPOSITION STONE, 3" DIA. FLAT STRAINER, #E-77-AA VINYL BUMPERGUARD, STAINLESS WALL GUARDS, MOP HANGER 889-CC, WHITE.
	FAUCET	FIAT: 830-AA	WALL MOUNT WITH BRACE, VACUUM BREAKER, BUCKET HOOK, 3/4" HOSE THREAD, #832-AA 30" HOSE & BRACKET.
<b>LB-1</b>	LAUNDRY BOX	SPECIALTY: OB-213	LAUNDRY BOX 1/2" HW, 1/2" CW, & 2" DRAIN CONNECTIONS. WATER HAMMER ARRESTORS.
<b>HB-1</b>	EXTERIOR HOSE BIBB	WOODFORD: B67	FREEZE PROOF TYPE, AUTOMATIC DRAINING, LOOSE KEY HANDLE WITH WALL BOX

PLUMBING FIXTURE CONNECTION SCHEDULE								
MARK	FIXTURE	PIPE SIZE C.W	H.W	WASTE	VENT	WATER FIXTURE UNITS	WASTE FIXTURE UNITS	REMARKS
WC-1	WATER CLOSET	1"	-	3"	2"	5	4	FLUSH VALVE
WC-2	WATER CLOSET	1"	-	3"	2"	5	4	FLUSH VALVE, ADA
UR-1	URINAL	3/4"	-	2"	2"	1	2	
LAV-1	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	1	1	
LAV-2	LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	1	1	
S-1	KITCHEN SINK	1/2"	1/2"	2"	1-1/2"	1.5	2	
S-2	KITCHEN SINK	1/2"	1/2"	2"	1-1/2"	1.5	2	
SS-1	SERVICE SINK	1/2"	1/2"	3"	1-1/2"	3	3	
LB-1	LAUNDRY BOX	1/2"	1/2"	2"	2"	4	3	
SH-1	SHOWER	1/2"	1/2"	2"	1-1/2"	4	2	
SV-1	SERVICE VALVE	1/2"	-	-	-	1	-	
FD-1	FLOOR DRAIN	-	-	2"	1-1/2"	-	-	
FD-2	FLOOR DRAIN	-	-	2"	1-1/2"	-	-	
HB-1	HOSE BIBB	3/4"	3/4"	-	-	2.5	-	
HB-2	HOSE BIBB	3/4"	3/4"	-	-	2.5	-	
DF-1	DRINKING FOUNTAIN	1/2"	-	1-1/2"	1-1/2"	1	1	

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SHEET #

**P21.01**



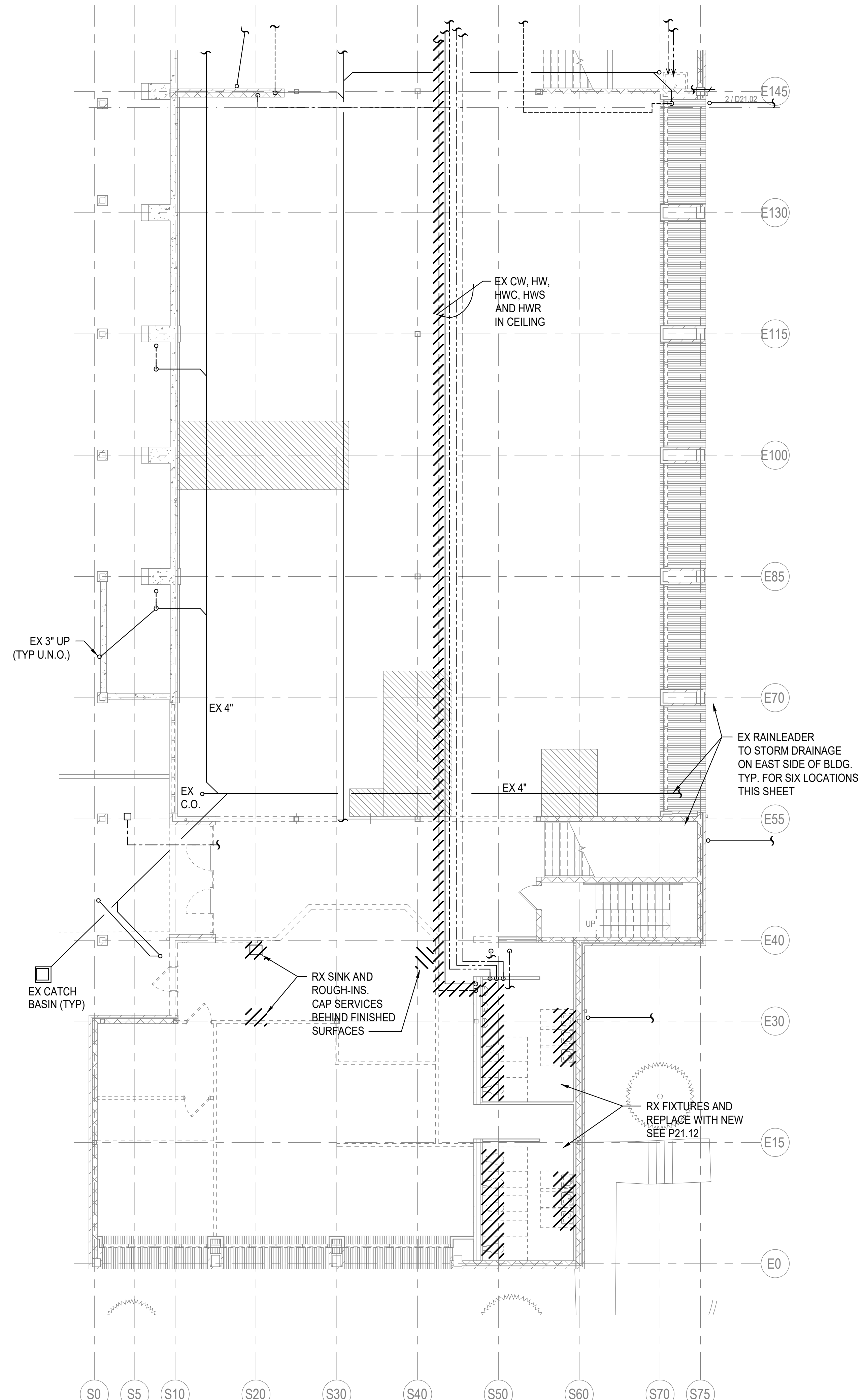


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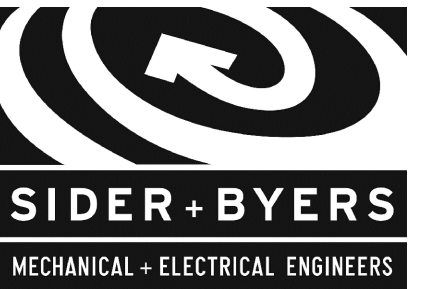
## LEVEL 1 DEMOLITION FLOOR PLAN

SHEET #  
**P21.02**



**LEVEL 1 DEMOLITION FLOOR PLAN - NORTH**  
**SCALE: 1/8"=1'-0"**

**LEVEL 1 DEMOLITION FLOOR PLAN - SOUTH**  
SCALE: 1/8"=1'-0"



192 Nickerson, Suite #300  
Seattle, Washington 98109  
Phone: 206.285.2966



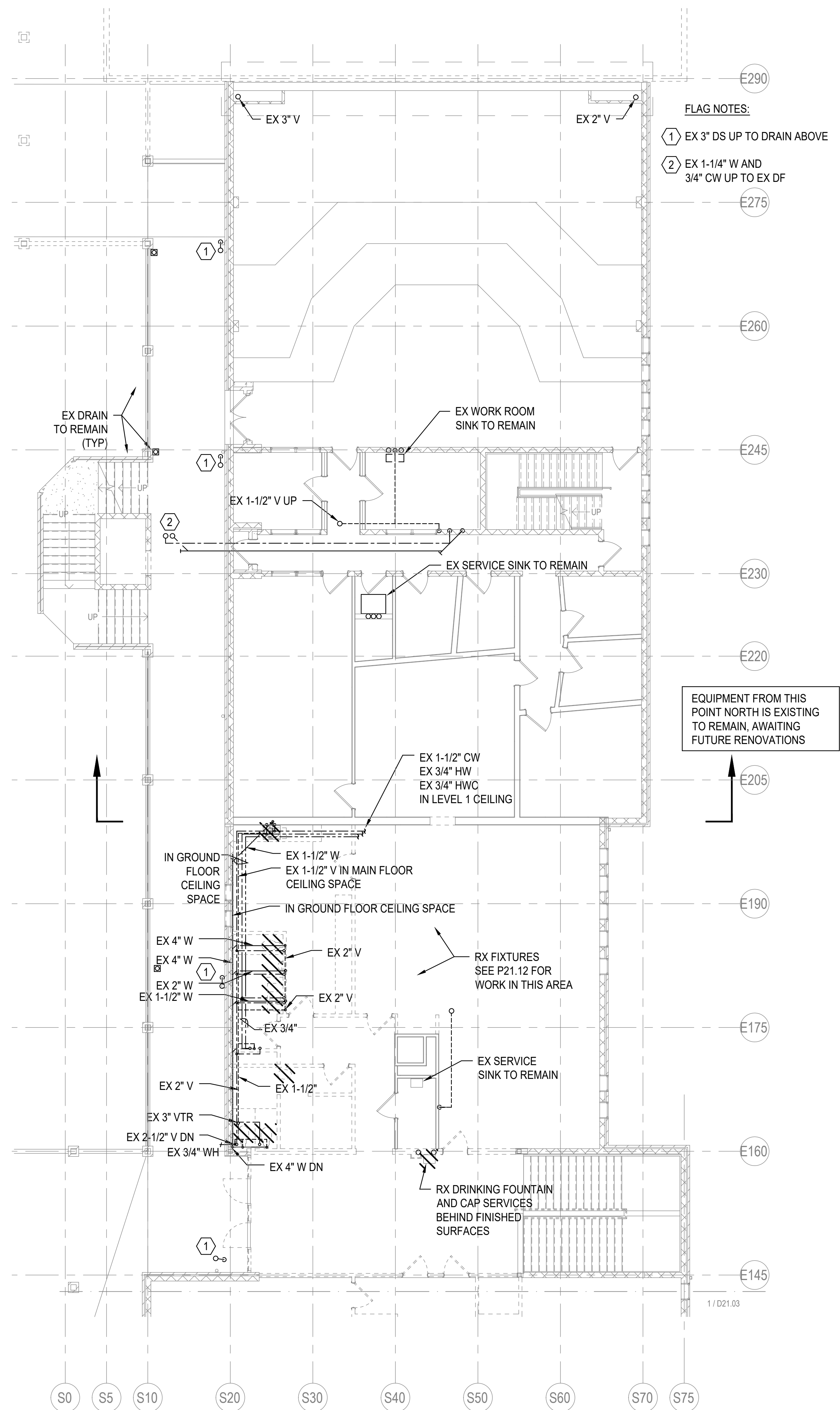
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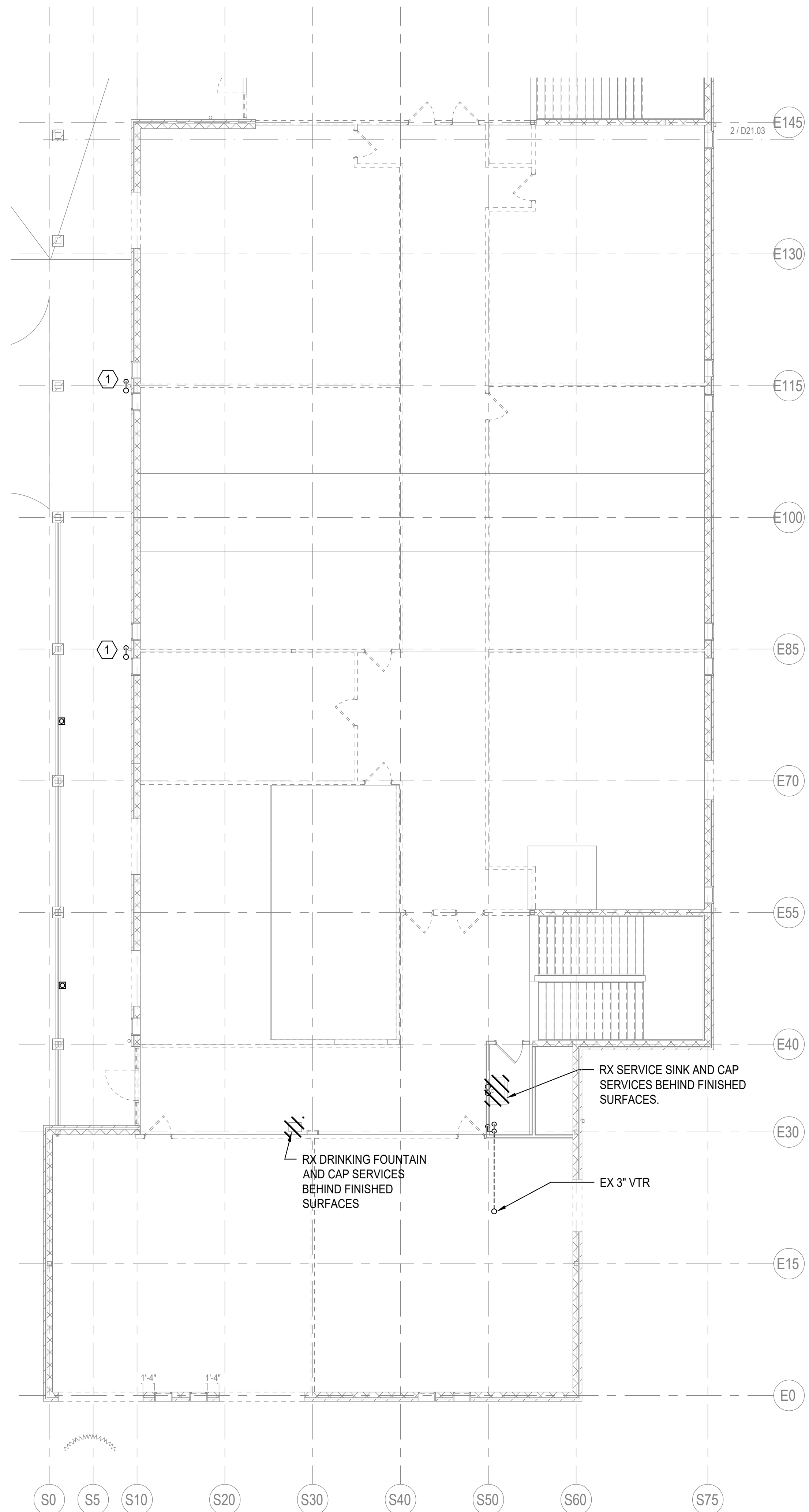
## LEVEL 2 DEMOLITION FLOOR PLAN

SHEET #

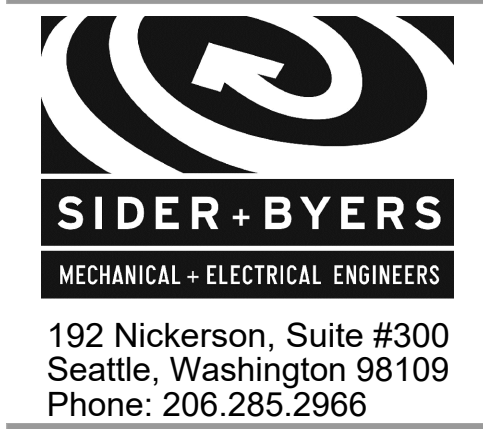
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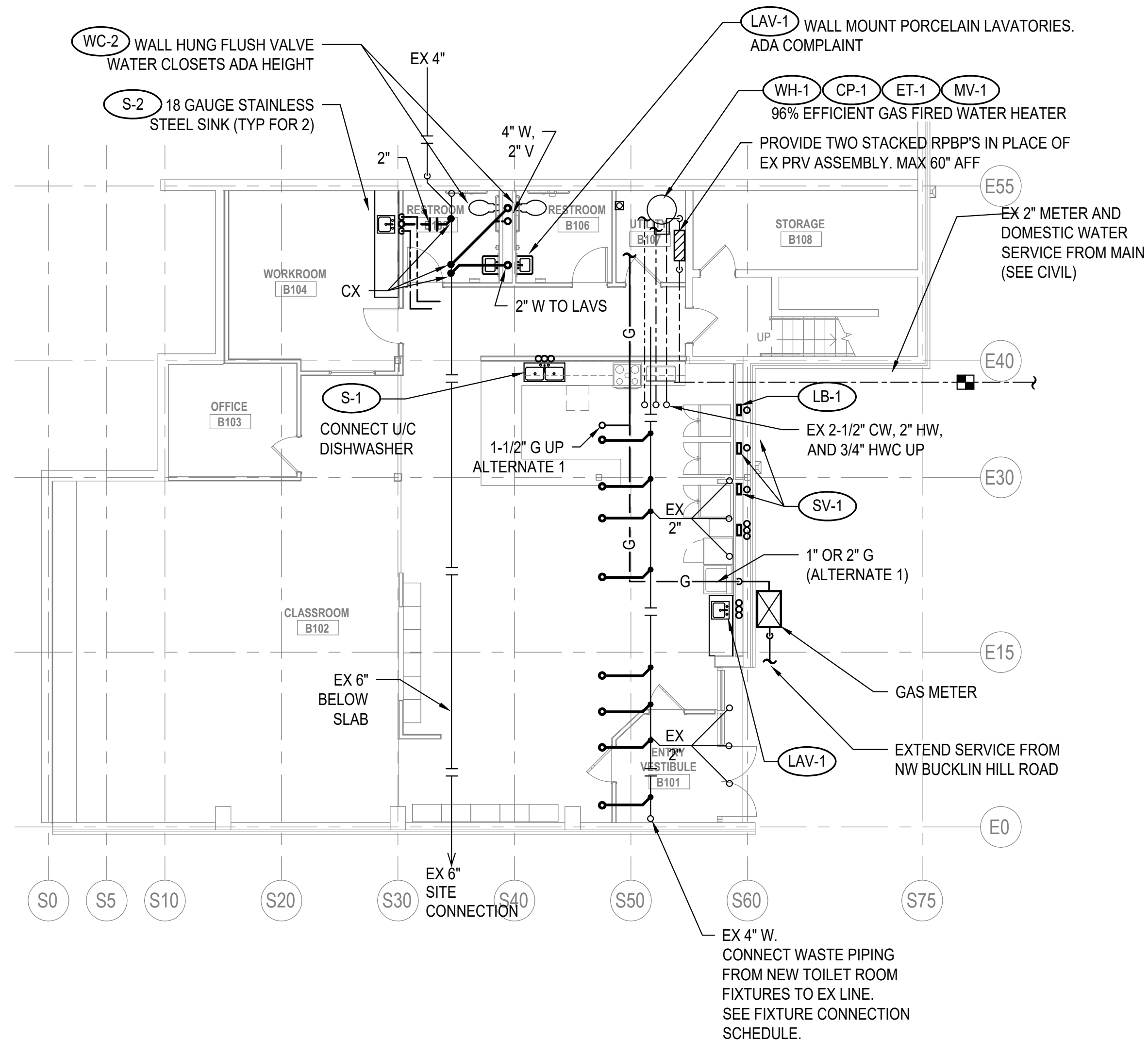
**LEVEL 2 DEMOLITION FLOOR PLAN - NORTH**  
SCALE: 1/8"=1'-0"



**LEVEL 2 DEMOLITION FLOOR PLAN - SOUTH**  
SCALE: 1/8"=1'-0"



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# BASEMENT FLOOR PLAN

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

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BASEMENT FLOOR  
PLAN

SHEET #



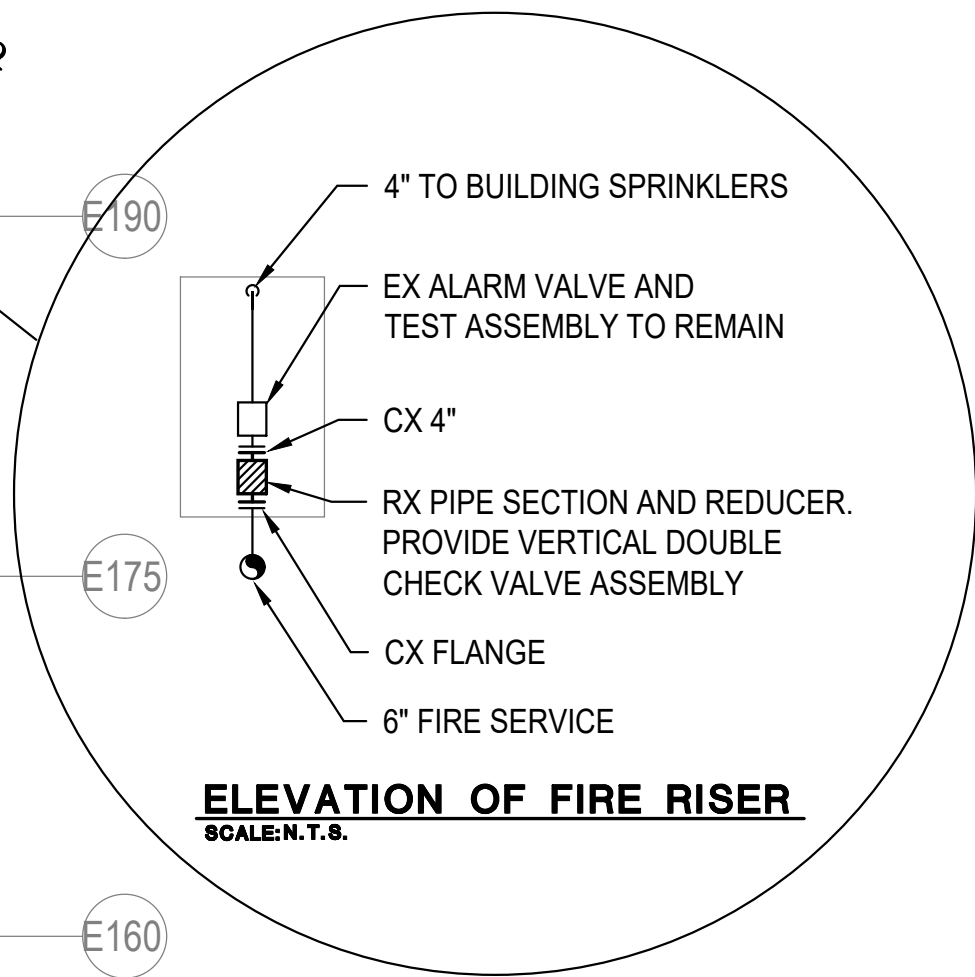
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## LEVEL 1 FLOOR PLAN

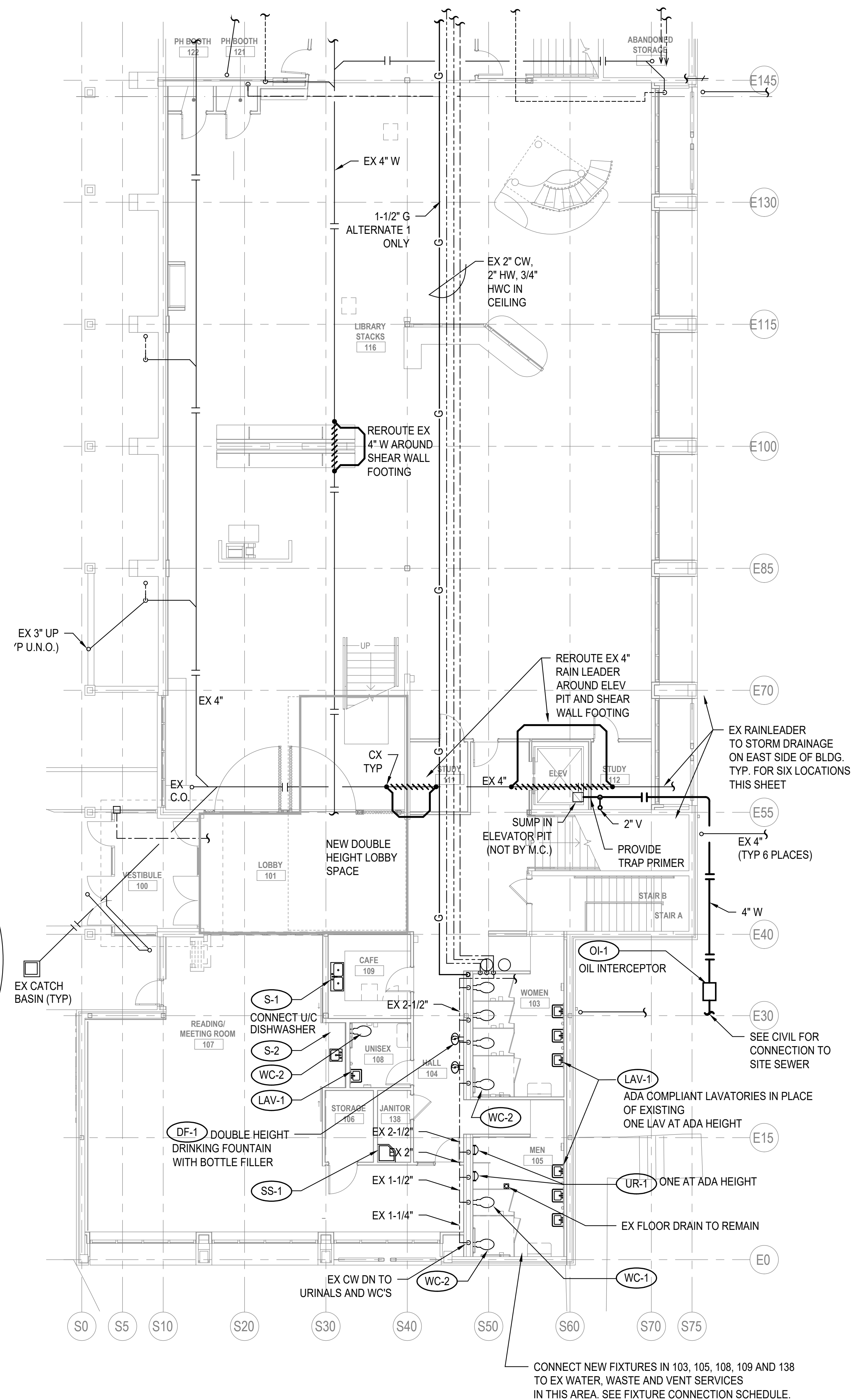
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## P21.12

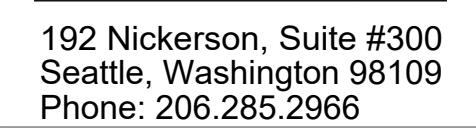


## LEVEL 1 FLOOR PLAN - NORTH

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



**LEVEL 1 FLOOR PLAN - SOUTH**  
**SCALE: 1/8"=1'-0"**



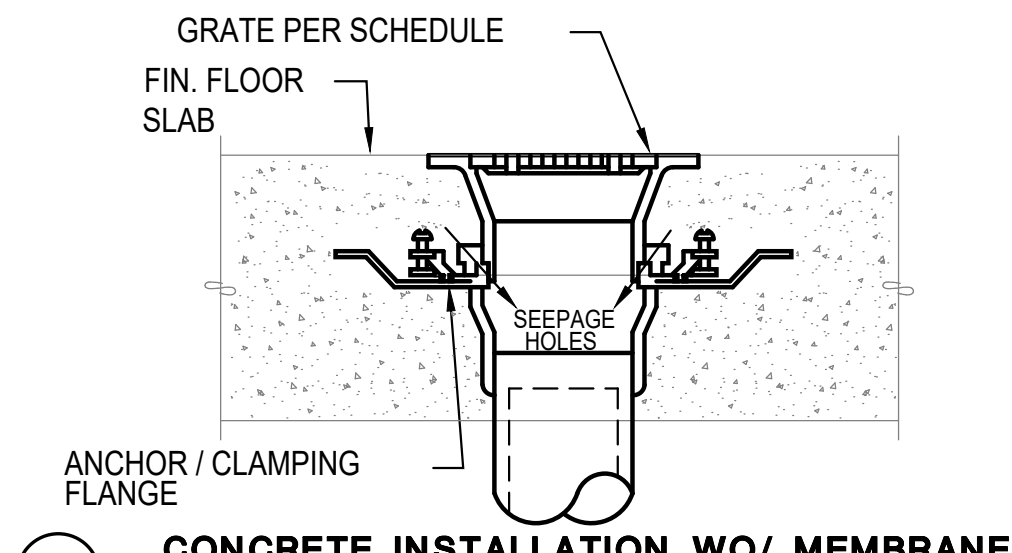
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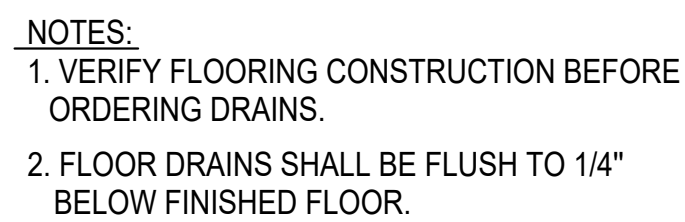
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## P21.13





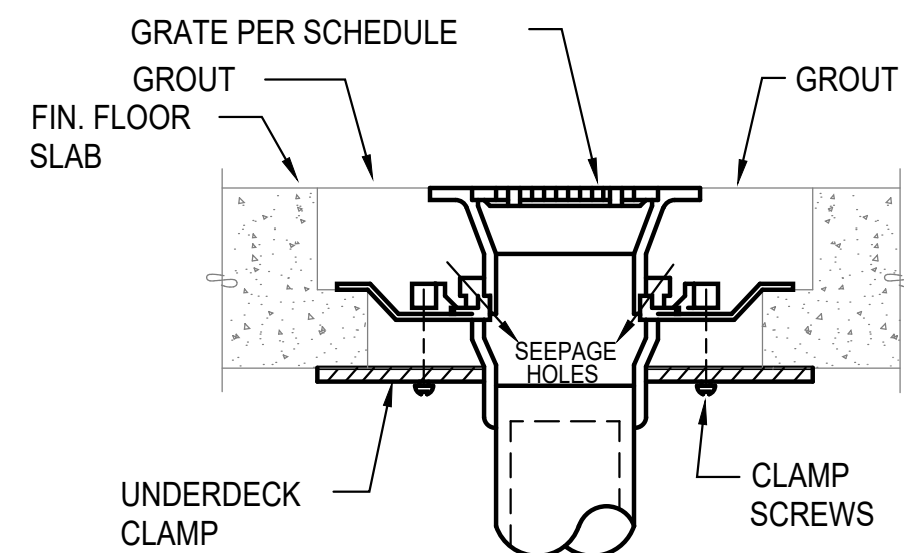
**A CONCRETE INSTALLATION W/ MEMBRANE**



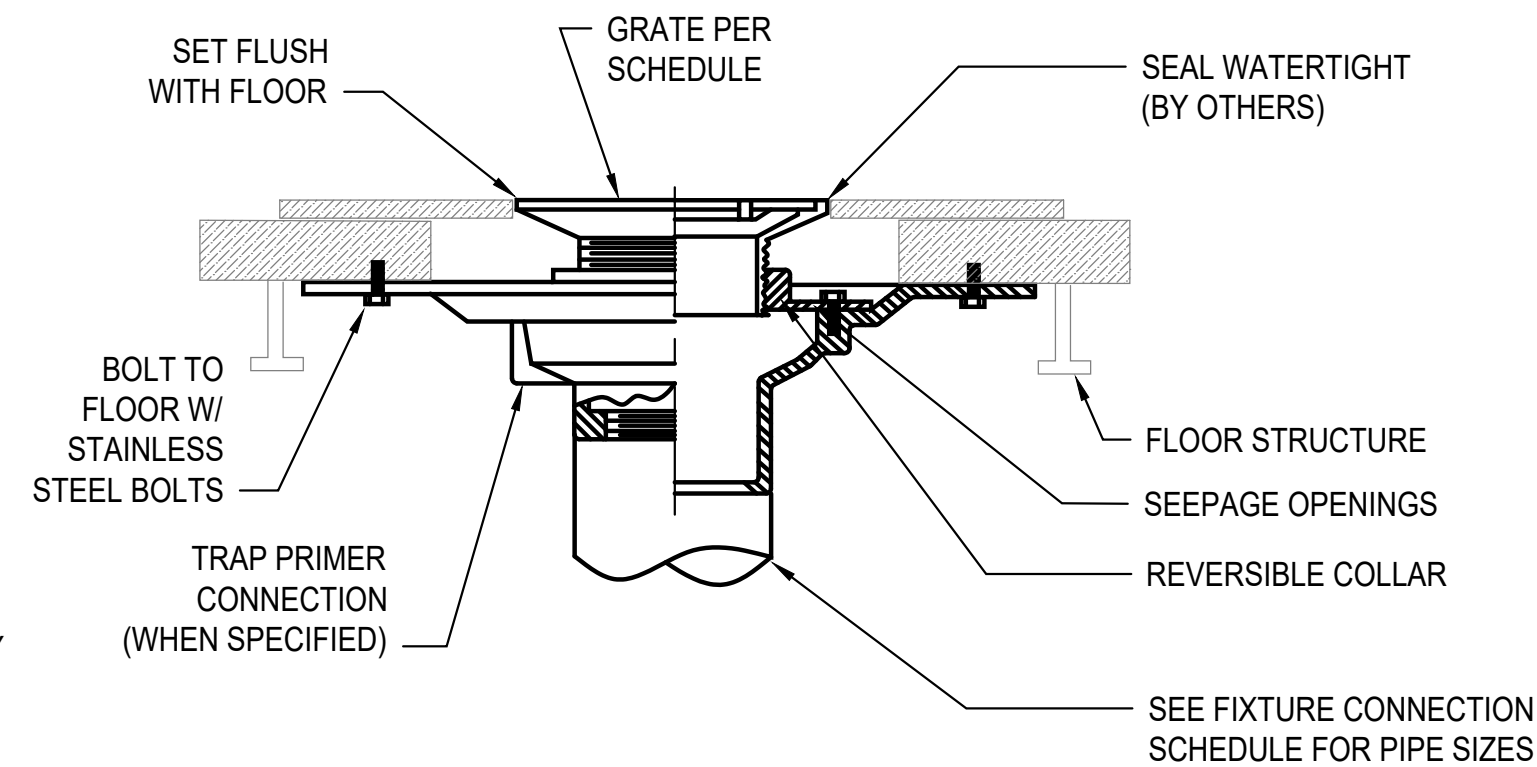
**NOTES FOR WOOD FLOOR INSTALLATION**

1. VERIFY ASSEMBLY PROCEDURE W/ FLOORING MANUFACTURER.
2. ONLY INSTALL FLOOR DRAINS COMPATIBLE WITH WOOD CONSTRUCTION.
3. VERIFY FLOOR ASSEMBLY WITH ARCHITECT TO DETERMINE APPROPRIATE INSTALLATION METHOD.
4. VERIFY DRAIN IS COMPATIBLE WITH FLOOR ASSEMBLY BEFORE ORDERING.

**FOR USE W/ DOUBLE WOOD FLOORS**

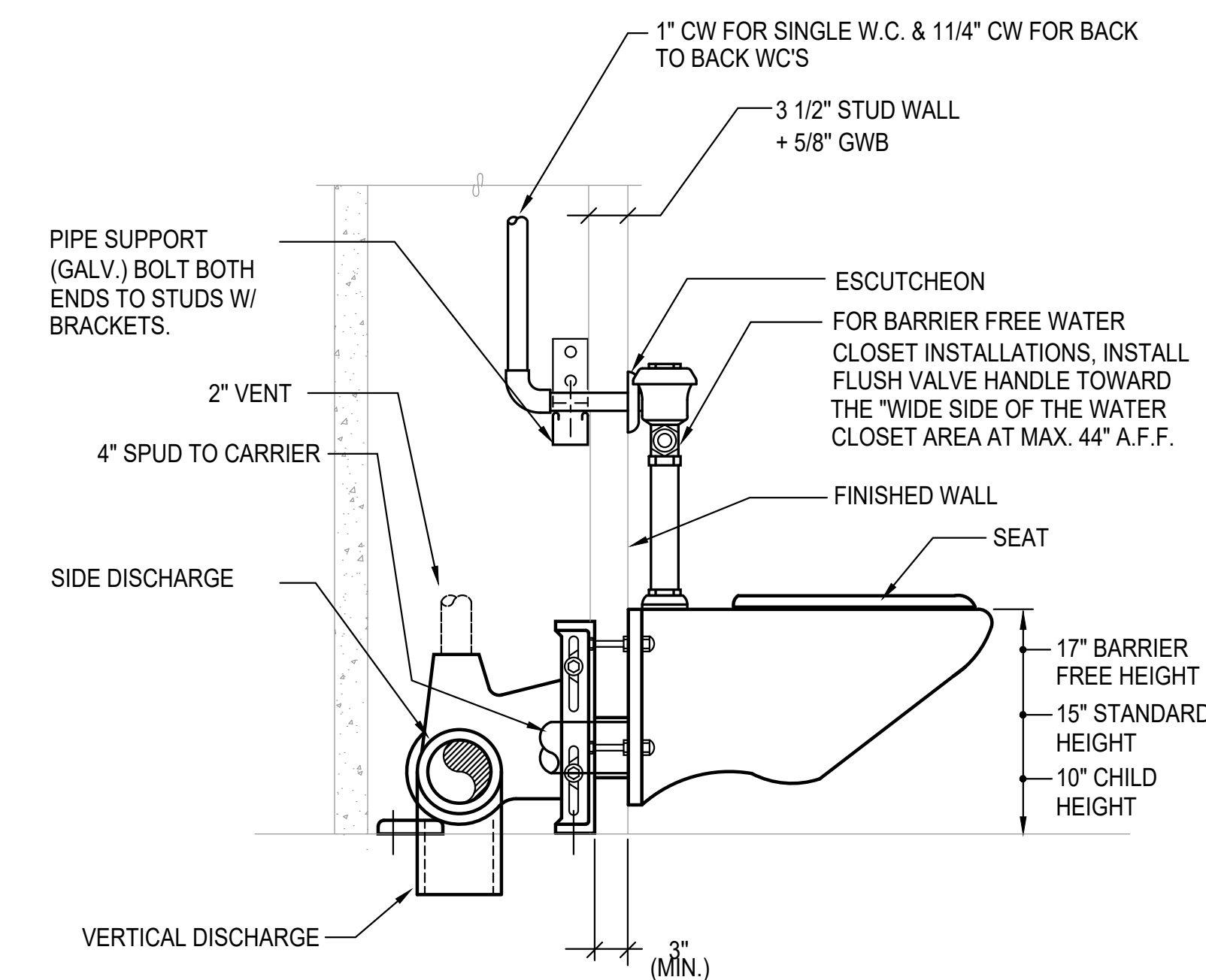


### **CONCRETE INSTALLATION W/ CLAMPING RING**



**E FOR USE W/ SINGLE WOOD FLOORS**

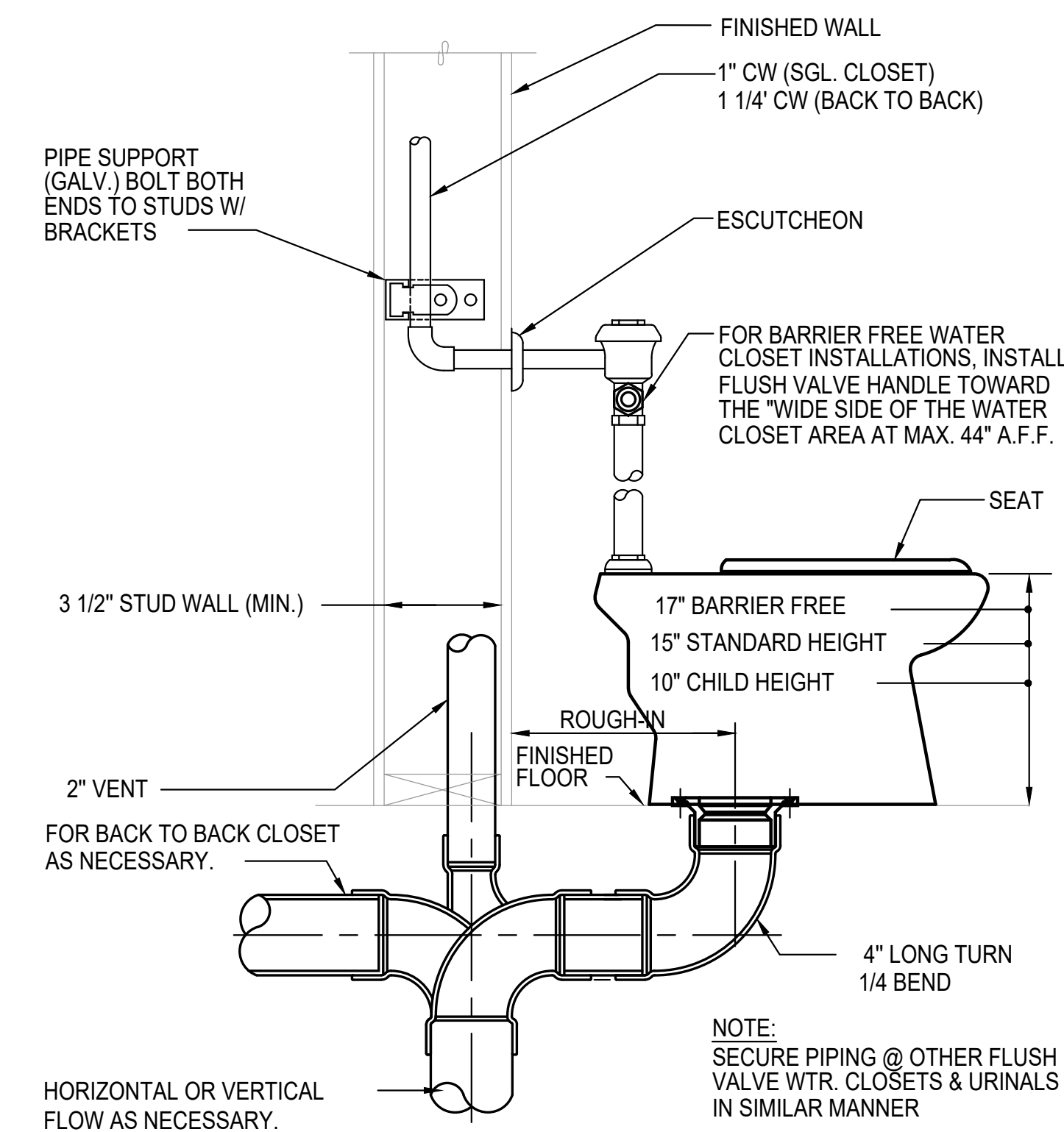
1 INS  
P31.01 N.T.S.



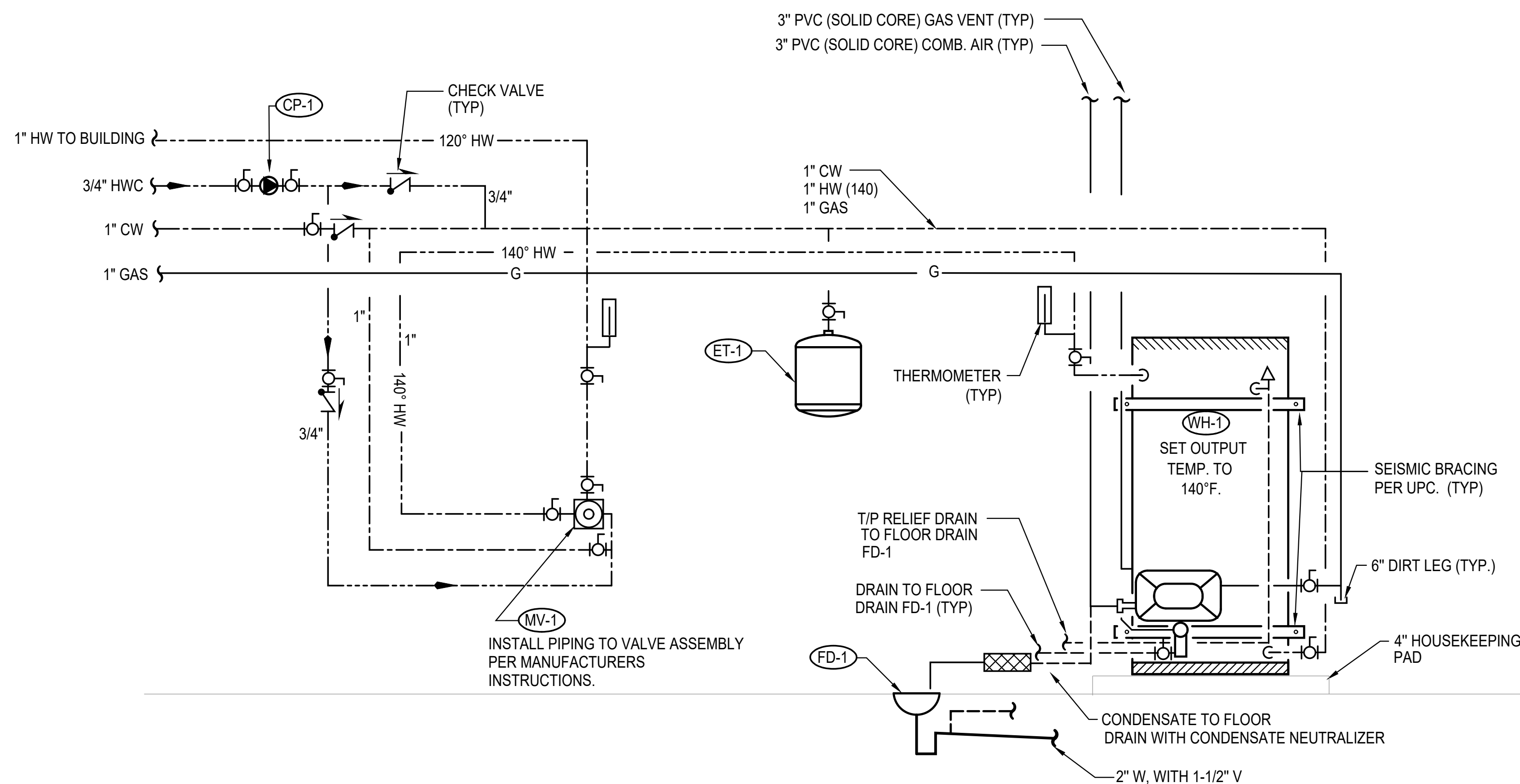
NOTES

1. SECURE PIPING @ OTHER WATER CLOSETS & URINALS IN SIMILAR MANNER
2. PROVIDE SIMILAR INSTALLATION FOR BACK TO BACK FIXTURES USING BACK TO BACK STYLE CARRIER.
3. PROVIDE HORIZONTAL OR VERTICAL CARRIER AS NECESSARY TO FIT CHASE WIDTH. VERIFY WIDTH ON ARCH DRAWINGS.

2 WA  
P31.01 N.T.S.



4 WA  
P31.01 N.T.S.



3 WA  
P31.01 N.T.S.



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## DETAILS

SHEET #

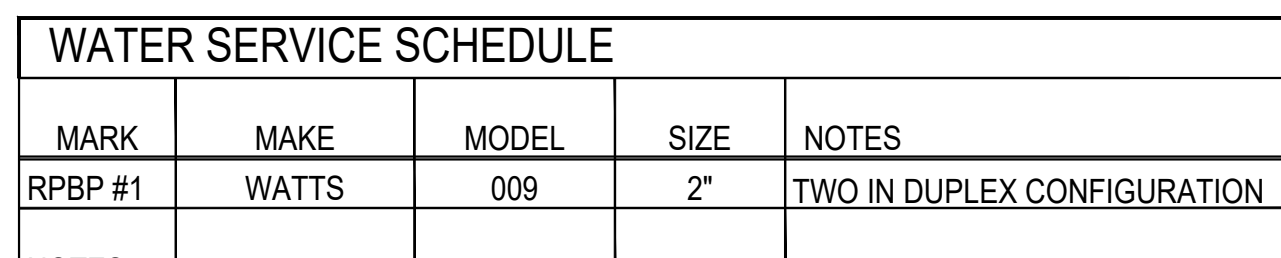
## P31.01

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## DETAILS

SHEET #

## P31.02



# INCOMING WATER SERVICE DETAIL



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## DETAILS

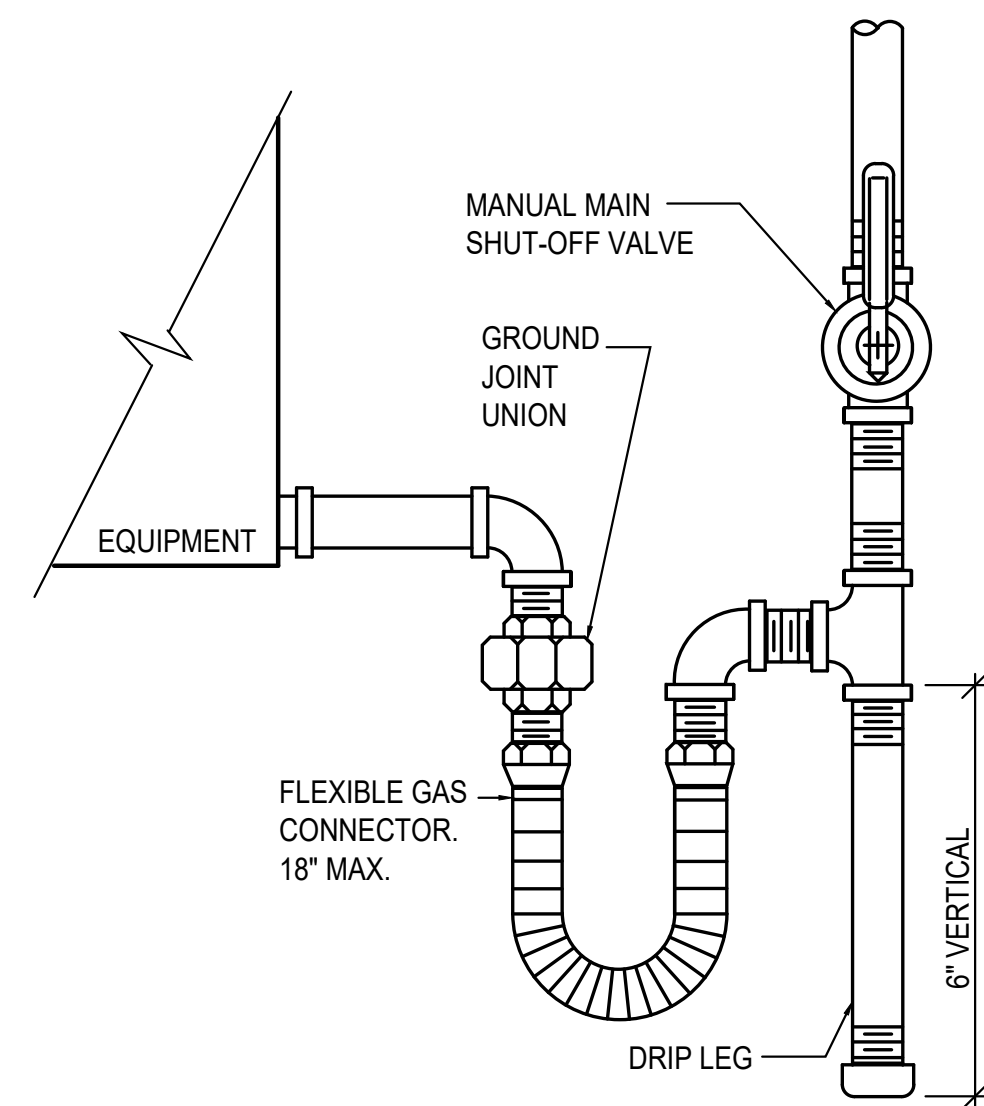
SHEET #

## P31.03





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**GAS LINE**  
**CONNECTION DETAIL**

[illegible]

## GAS RISER

SHEET #

## P31.05







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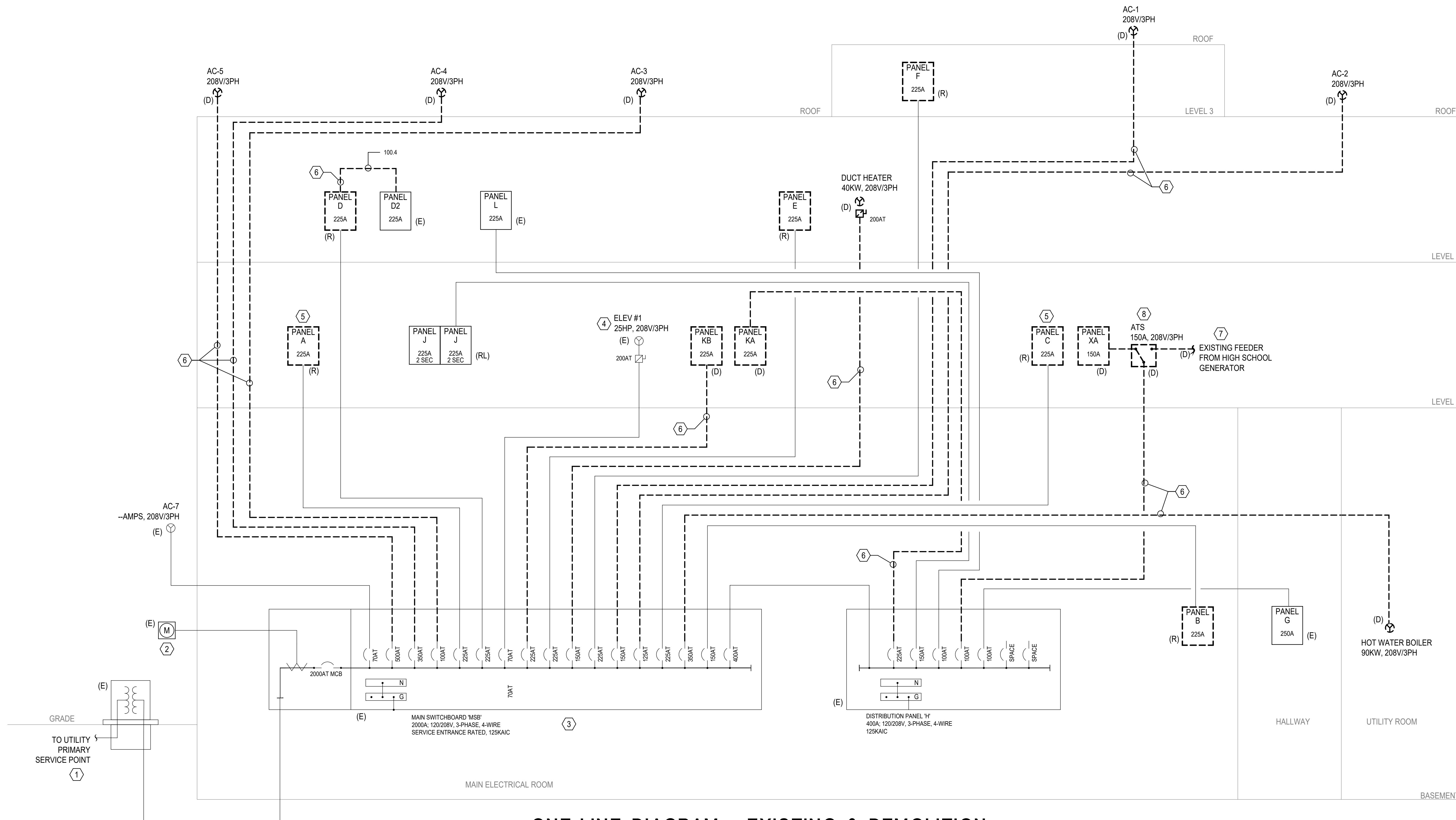
### SINGLE LINE DIAGRAM

SHEET #

**E10.10**

**FLAG NOTES**  :

1. EXISTING UTILITY TRANSFORMER OUTSIDE BUILDING TO REMAIN.
2. EXISTING REMOTE UTILITY METER TO REMAIN.
3. EXISTING SWITCHBOARD TO REMAIN AS IS. ONLY WORK ALLOWED TO SWITCHBOARD IS REMOVING/CONNECTING FEEDERS AND CHANGING BREAKERS TO ACCOMMODATE NEW PANELS AND LOADS.
4. MAINTAIN EXISTING CONNECTIONS AND CONTROLS FOR EXISTING ELEVATOR.
5. EXISTING PANELS ARE RECESSED MOUNTED EXISTING CMU WALL. WHEN REPLACED, NEW PANEL IS TO BE SURFACE MOUNTED IN A CONFIGURATION WHERE NEW CIRCUITS CAN BE EASILY ROUGHED-IN AND CONNECTED TO PANEL.
6. DEMOLISH EXISTING FEEDER(S).
7. DEMOLISH EXISTING EMERGENCY POWER FEEDERS (FROM MAIN HIGH SCHOOL) TO EDGE OF 900 BUILDING. CAP AND SEAL ANY PENETRATIONS AT BUILDING EXTERIOR.
8. EXISTING ATS IS RELATIVELY NEW AND IN GOOD WORKING ORDER. UNINSTALL AND RETURN TO CKSD FOR POSSIBLE FUTURE USE.



## ONE-LINE DIAGRAM - EXISTING & DEMOLITION



**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

[illegible]

## SINGLE LINE DIAGRAM

### - NEW

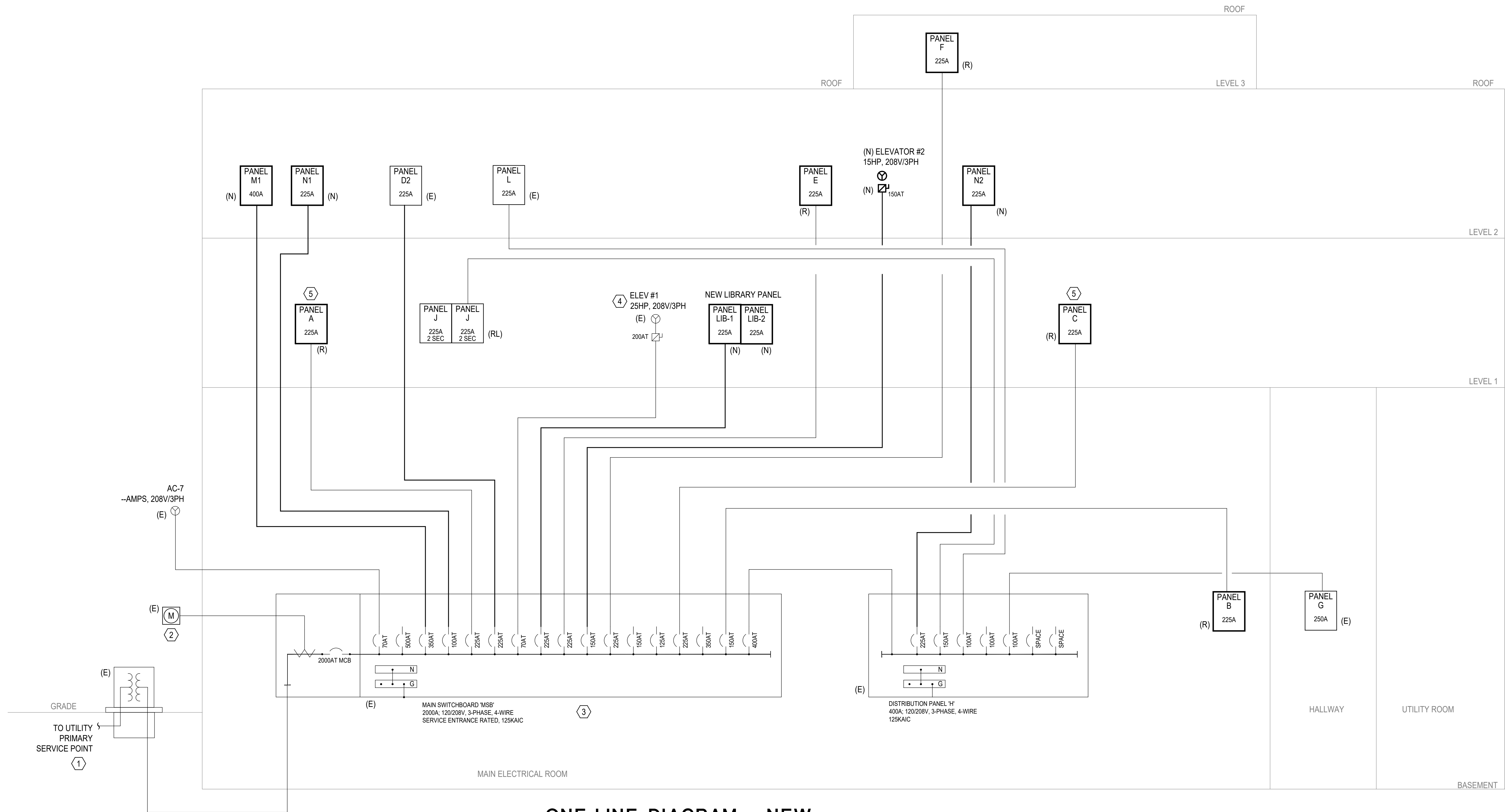
SHEET #

**E10.11**

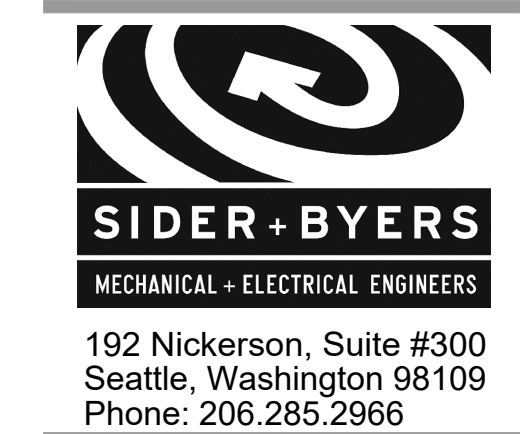
**FLAG NOTES**  :

1. GENERAL SCOPE AND DESIGNATIONS FOR ELECTRICAL GEAR:  
(E): EXISTING EQUIPMENT TO REMAIN  
(D): DEMOLISH EQUIPMENT  
(R): DEMOLISH EXISTING EQUIPMENT AND REPLACE WITH NEW  
(RL): RELOCATE EXISTING EQUIPMENT TO NEW LOCATION.
2. EXISTING PANEL FEEDERS ARE TO REMAIN AND BE REUSED WHERE EVER POSSIBLE. E.C. TO EXAMINE FEEDERS DURING DEMOLITION PHASE TO CONFIRM THEY ARE IN GOOD, USABLE CONDITION.
3. EXISTING FEEDERS FOR ROOFTOP MECHANICAL GEAR ARE TO BE DEMOLISHED FROM GEAR TO MAIN BREAKER.
4. ALL EXISTING CIRCUIT BREAKERS IN MAIN SWITCHBOARD ARE TO REMAIN UNLESS OTHERWISE NOTED. E.C. TO TAKE CARE AND PRESERVE BREAKERS WHEN DEMOLISHING FEEDERS. ALL BREAKERS ARE TO BE INSPECTED AND TESTED DURING DEMOLITION PHASE TO CONFIRM THEY ARE REUSABLE.
5. MAINTAIN ALL EXISTING GROUNDING CONNECTIONS FOR MAIN SERVICE AND SWITCHBOARD.
6. -

1. EXISTING UTILITY TRANSFORMER OUTSIDE BUILDING TO REMAIN.
2. EXISTING REMOTE UTILITY METER TO REMAIN.
3. EXISTING SWITCHBOARD TO REMAIN AS IS. ONLY WORK ALLOWED TO SWITCHBOARD IS REMOVING/CONNECTING FEEDERS AND CHANGING BREAKERS TO ACCOMMODATE NEW PANELS AND LOADS.
4. MAINTAIN EXISTING CONNECTIONS AND CONTROLS FOR EXISTING ELEVATOR.
5. EXISTING PANELS ARE RECESSED MOUNTED EXISTING CMU WALL. WHEN REPLACED, NEW PANEL IS TO BE SURFACE MOUNTED IN A CONFIGURATION WHERE NEW CIRCUITS CAN BE EASILY ROUGHED-IN AND CONNECTED TO PANEL.
6. NOT USED.
7. NOT USED.



# ONE-LINE DIAGRAM - NEW



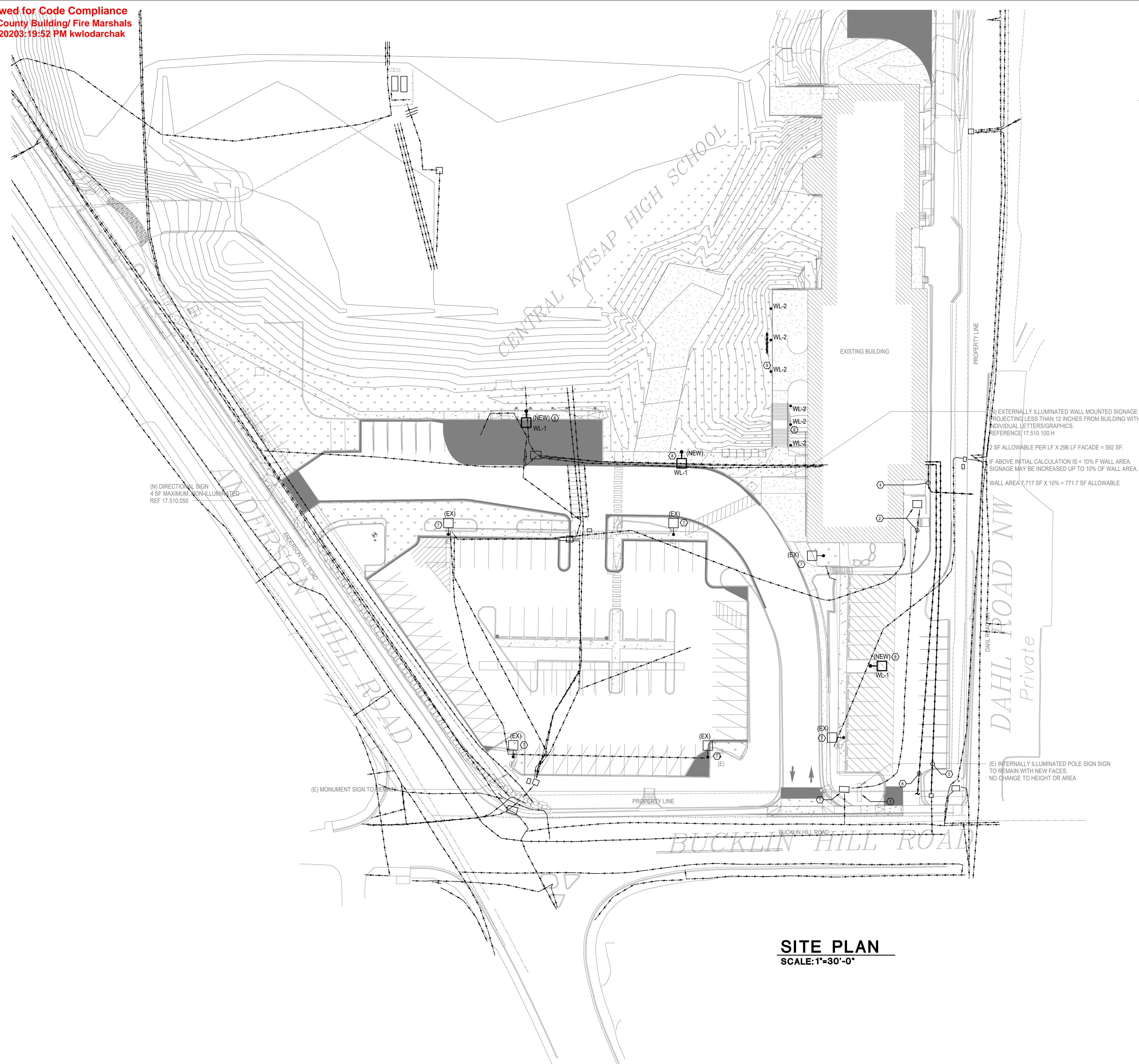
**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

[illegible]

## SITE PLAN

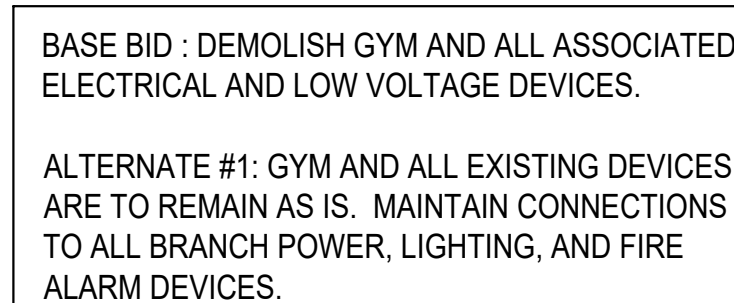
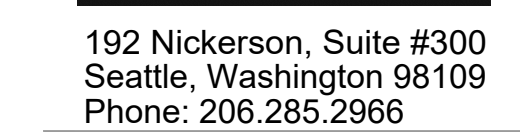
SHEET #

**E20.00**



# SITE PLAN

SCALE: 1"=30'-0"



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SILVERDALE, WA 98383

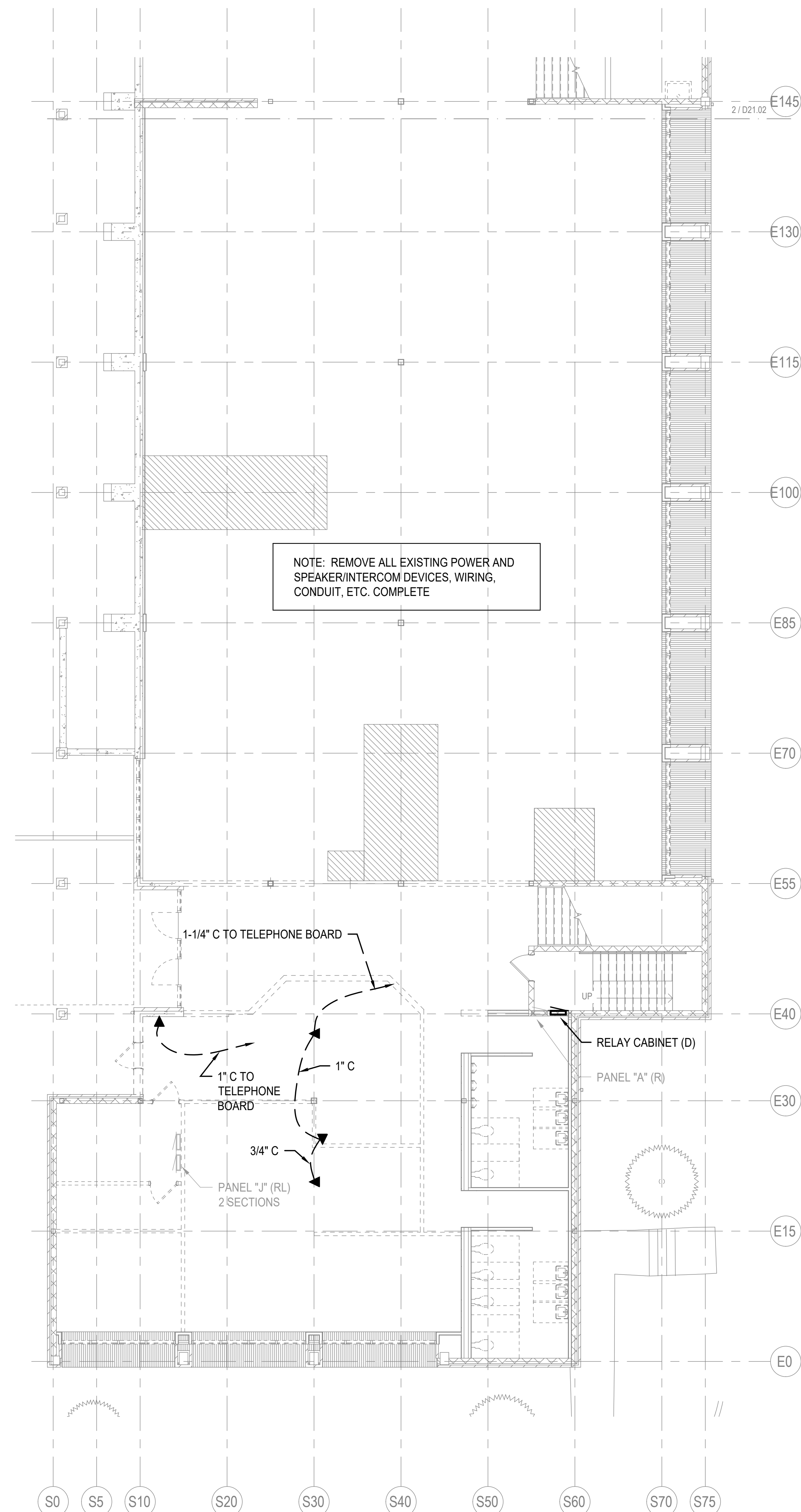
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### BASEMENT AND LEVEL 3 DEMOLITION FLOOR POWER PLANS

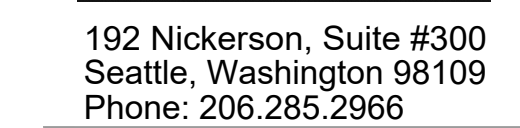
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SHEET #

**E21.02**



**LEVEL 1 DEMOLITION FLOOR PLAN - SOUTH - POWER**  
SCALE: 1/8"=1'-0"



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SILVERDALE, WA 98383

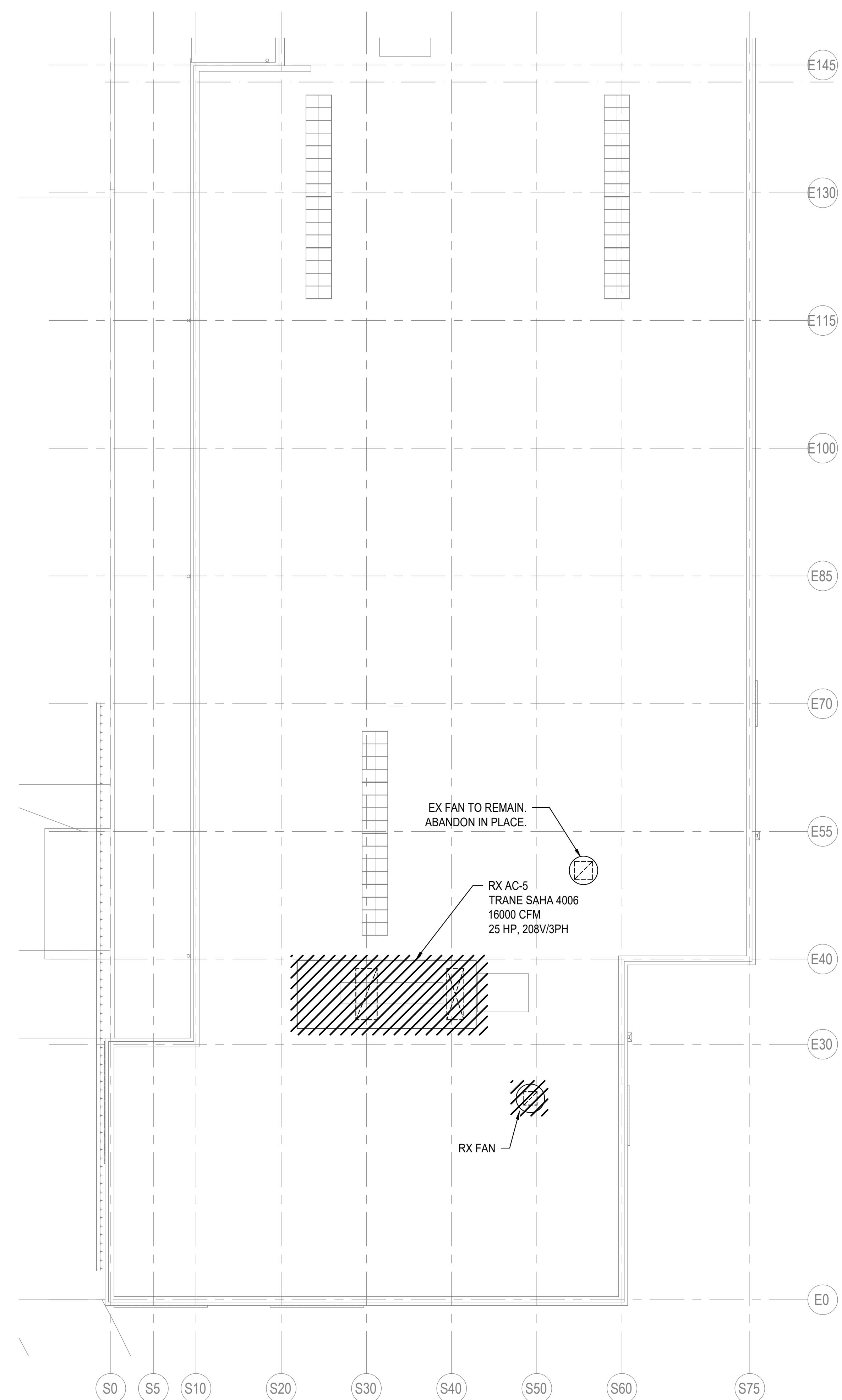
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## LEVEL 2 DEMOLITION FLOOR POWER PLAN

SHEET #

**E21.03**





192 Nickerson, Suite #300  
Seattle, Washington 98109  
Phone: 206.285.2966



**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383


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## ROOF DEMOLITION POWER PLAN

SHEET #

**E21.04**



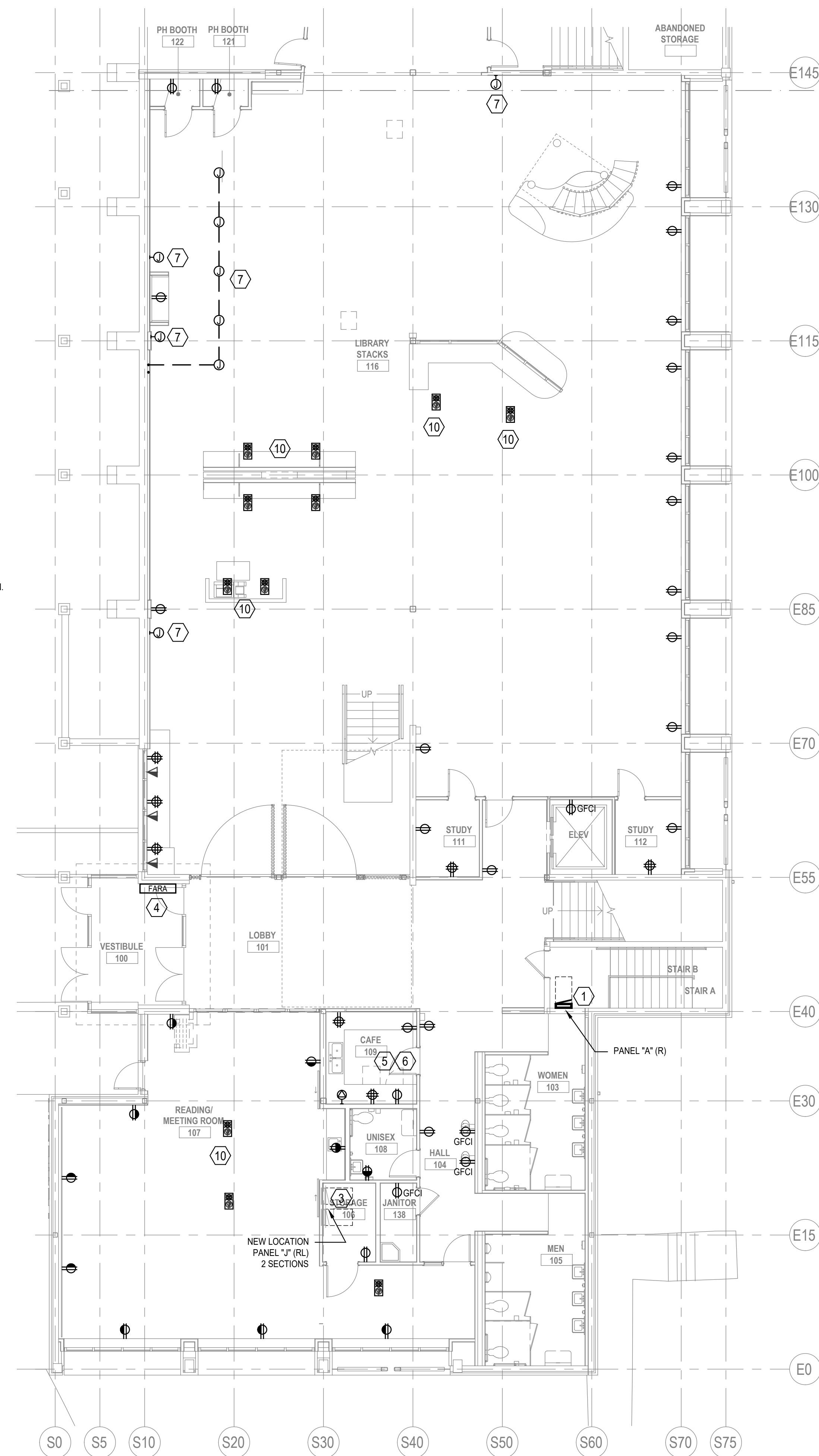
- FLAG NOTES** :
1. EXISTING ELECTRICAL PANEL TO BE REPLACED WITH NEW. PROVIDE NEW 225AMP PANEL AND CONNECT TO EXISTING DISTRIBUTION CABLES WHERE POSSIBLE. CONTRACTOR TO INSPECT CABLES TO VERIFY THEIR CAPACITY FOR REUSE.
  2. PROVIDE NEW ELECTRICAL PANEL FOR NEW BUILDING LOADS. SEE ONE-LINE DIAGRAM FOR SIZE AND CABLING REQUIREMENTS.
  3. NOT USED.
  4. PROVIDE NEW FIRE ALARM CONTROL PANEL AND SYSTEM THROUGHOUT THE BUILDING. IN EXISTING AREAS THAT TO REMAIN UNMODIFIED, FIRE ALARM CONTRACTOR IS TO LOCATED EXISTING FIRE ALARM DEVICES AND PROVIDE CONNECTION TO NEW SYSTEM.
  5. ALL KITCHENETTE EQUIPMENT MOUNTED ADJACENT TO THE SINK IS TO BE PROVIDED WITH GFCI PROTECTION.
  6. PROVIDE DEDICATED CIRCUITS TO ALL APPLIANCES AND SPECIALTY EQUIPMENT BEING PROVIDED BY OWNERS/TENANTS. VERIFY CONNECTION AND CIRCUIT REQUIREMENTS PRIOR TO ROUGH-IN.
  7. NOT USED

[illegible]

BASEMENT AND LEVEL  
3 FLOOR PLANS -  
POWER

SHEET #

**E21.11**



- ## FLAG NOTES
1. EXISTING ELECTRICAL PANEL TO REPLACED WITH NEW. PROVIDE NEW 225AMP PANEL AND CONNECT TO EXISTING DISTRIBUTION CABLES WHERE POSSIBLE. CONTRACTOR TO INSPECT CABLES TO VERIFY THEIR CAPACITY FOR REUSE.
  2. PROVIDE NEW ELECTRICAL PANEL FOR NEW BUILDING LOADS. SEE ONE-LINE DIAGRAM FOR SIZE AND CABLING REQUIREMENTS.
  3. EXISTING 2-SECTION PANEL 'J' IS TO BE RELOCATED TO NEW STORAGE ROOM AS SHOWN. PROVIDE NEW FEEDERS FROM MAIN SWITCHBOARD TO NEW LOCATION. SEE ONE-LINE DIAGRAM.
  4. PROVIDE NEW FIRE ALARM CONTROL PANEL AND SYSTEM THROUGHOUT THE BUILDING. IN EXISTING AREAS THAT TO REMAIN UNMODIFIED, FIRE ALARM CONTRACTOR IS TO LOCATED EXISTING FIRE ALARM DEVICES AND PROVIDE CONNECTION TO NEW SYSTEM.
  5. ALL KITCHENETTE EQUIPMENT MOUNTED ADJACENT TO THE SINK IS TO BE PROVIDED WITH GFCI PROTECTION.
  6. PROVIDE DEDICATED CIRCUITS TO ALL APPLIANCES AND SPECIALTY EQUIPMENT BEING PROVIDED BY OWNERS/TENANTS. VERIFY CONNECTION AND CIRCUIT REQUIREMENTS PRIOR TO ROUGH-IN.
  7. PROVIDE POWER CONNECTION TO LIGHTING FIXTURES ON BOOK STACKS. PROVIDE WALL BASE POWER WHERE POSSIBLE AND RECESSED FLOOR BOXES FOR FREESTANDING STACKS. CIRCUITS ARE TO BE CONNECTED TO LIGHTING CONTROL PANEL AND SWITCHED ON/OFF BY TIME CLOCK ALONG WITH OTHER LIBRARY LIGHTING.
  8. PROVIDE SWITCHED RECEPTACLES WHERE SHOWN PER WEC. RECEPTACLES ARE TO BE CONTROLLED ON/OFF BY LOCAL OCCUPANCY SENSOR ON LIGHTING CONTROLS SYSTEM. PROVIDE RELAY, RATED FOR 20A RECEPTACLE, FOR ON/OFF CONTROL FROM OCCUPANCY SENSOR.
  9. PROVIDE DEDICATED CIRCUIT FOR COPY/PRINTERS.
  10. PROVIDE RECESSED FLOORBOX DEVICE WITH POWER AND TELE/DATA PROVISIONS.



**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

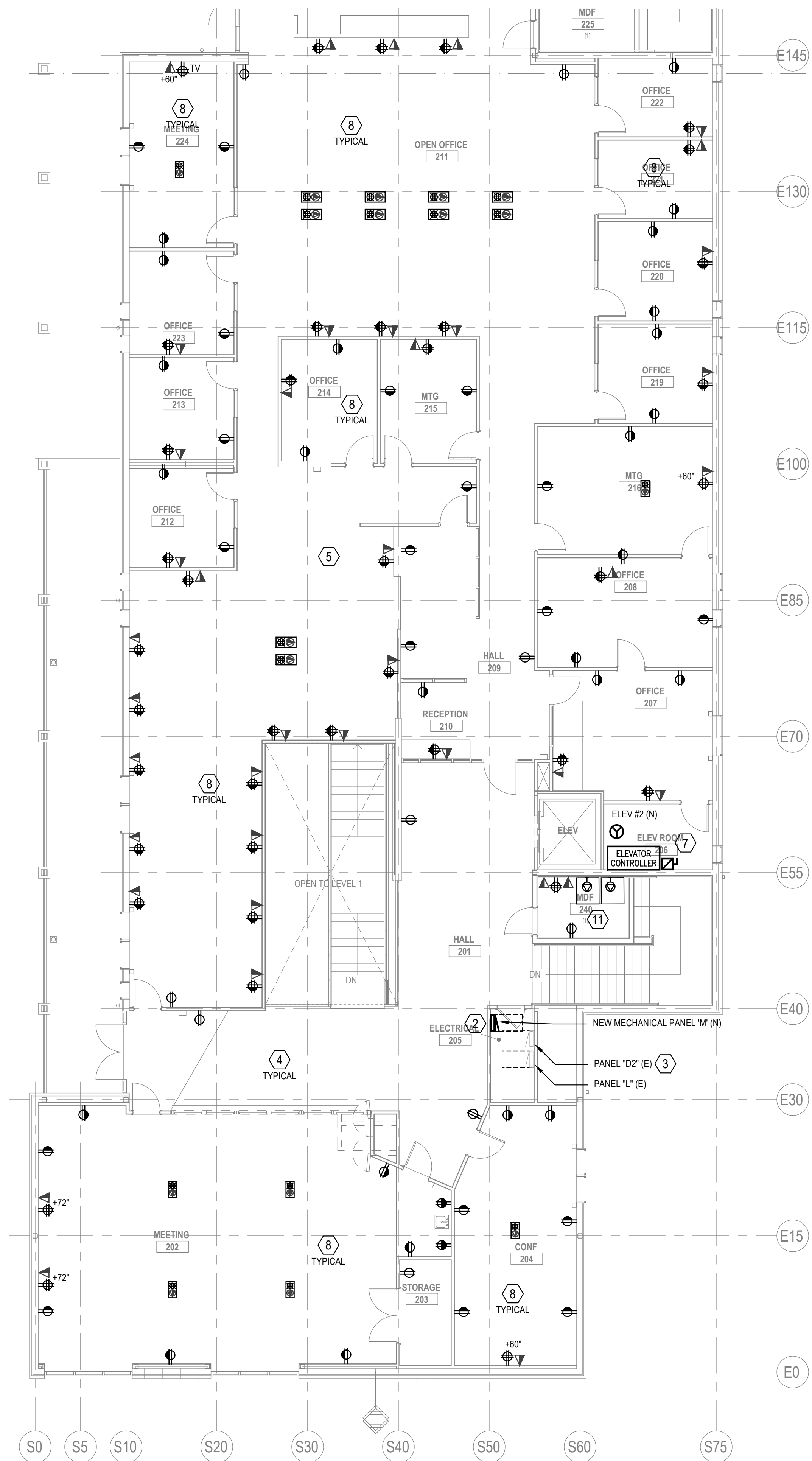
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## LEVEL 1 FLOOR PLAN - POWER

SHEET #

**E21.12**

**LEVEL 1 FLOOR PLAN - SOUTH - POWER**  
SCALE: 1/8"=1'-0"



- FLAG NOTES** (X):
1. EXISTING ELECTRICAL PANEL TO REPLACED WITH NEW. PROVIDE NEW 225AMP PANEL AND CONNECT TO EXISTING DISTRIBUTION CABLES WHERE POSSIBLE. CONTRACTOR TO INSPECT CABLES TO VERIFY THEIR CAPACITY FOR REUSE.
  2. PROVIDE NEW ELECTRICAL PANEL FOR NEW BUILDING LOADS. SEE ONE-LINE DIAGRAM FOR SIZE AND CABLING REQUIREMENTS.
  3. EXISTING PANEL 'D2' IS TO REMAIN AND GET NEW 225AMP FEEDERS FROM THE EXISTING SWITCHBOARD ONCE ORIGINAL SOURCE, PANEL D, IS DEMOLISHED. SEE ONE-LINE DIAGRAM.
  4. PROVIDE NEW FIRE ALARM CONTROL PANEL AND SYSTEM THROUGHOUT THE BUILDING. IN EXISTING AREAS THAT TO REMAIN UNMODIFIED, FIRE ALARM CONTRACTOR IS TO LOCATED EXISTING FIRE ALARM DEVICES AND PROVIDE CONNECTION TO NEW SYSTEM
  5. ALL KITCHENETTE EQUIPMENT MOUNTED ADJACENT TO THE SINK IS TO BE PROVIDED WITH GFCI PROTECTION.
  6. PROVIDE DEDICATED CIRCUITS TO ALL APPLIANCES AND SPECIALTY EQUIPMENT BEING PROVIDED BY OWNERS/TENANTS. VERIFY CONNECTION AND CIRCUIT REQUIREMENTS PRIOR TO ROUGH-IN.
  7. PROVIDE CONNECTIONS TO NEW ELEVATOR. SEE ONE-LINE DIAGRAM FOR NEW PANEL AND FEEDERS. COORDINATE WITH ELEVATOR MANUFACTURER TO CONFIRM LOADS AND ALL WIRING REQUIREMENTS IN ORDER TO PROVIDE AN INSTALLATION THAT MEETS LOCAL CODES AND AHJ.
  8. PROVIDE SWITCHED RECEPTACLES WHERE SHOWN PER WEC. RECEPTACLES ARE TO BE CONTROLLED ON/OFF BY LOCAL OCCUPANCY SENSOR ON LIGHTING CONTROLS SYSTEM. PROVIDE RELAY, RATED FOR 20A RECEPTACLE, FOR ON/OFF CONTROL FROM OCCUPANCY SENSOR.
  9. PROVIDE DEDICATED CIRCUIT FOR COPY/PRINTERS.
  10. PROVIDE RECESSED FLOORBOX DEVICE WITH POWER AND TELE/DATA PROVISIONS.
  11. PROVIDE (1) DEDICATED 20A CIRCUIT FOR EACH SERVER RACK CONNECTION. VERIFY EXACT ELECTRICAL DEVICE REQUIRED FOR THE SERVERS WITH CKSD I.T. DEPARTMENT AND MODIFY AS NECESSARY



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SILVERDALE, WA 98383

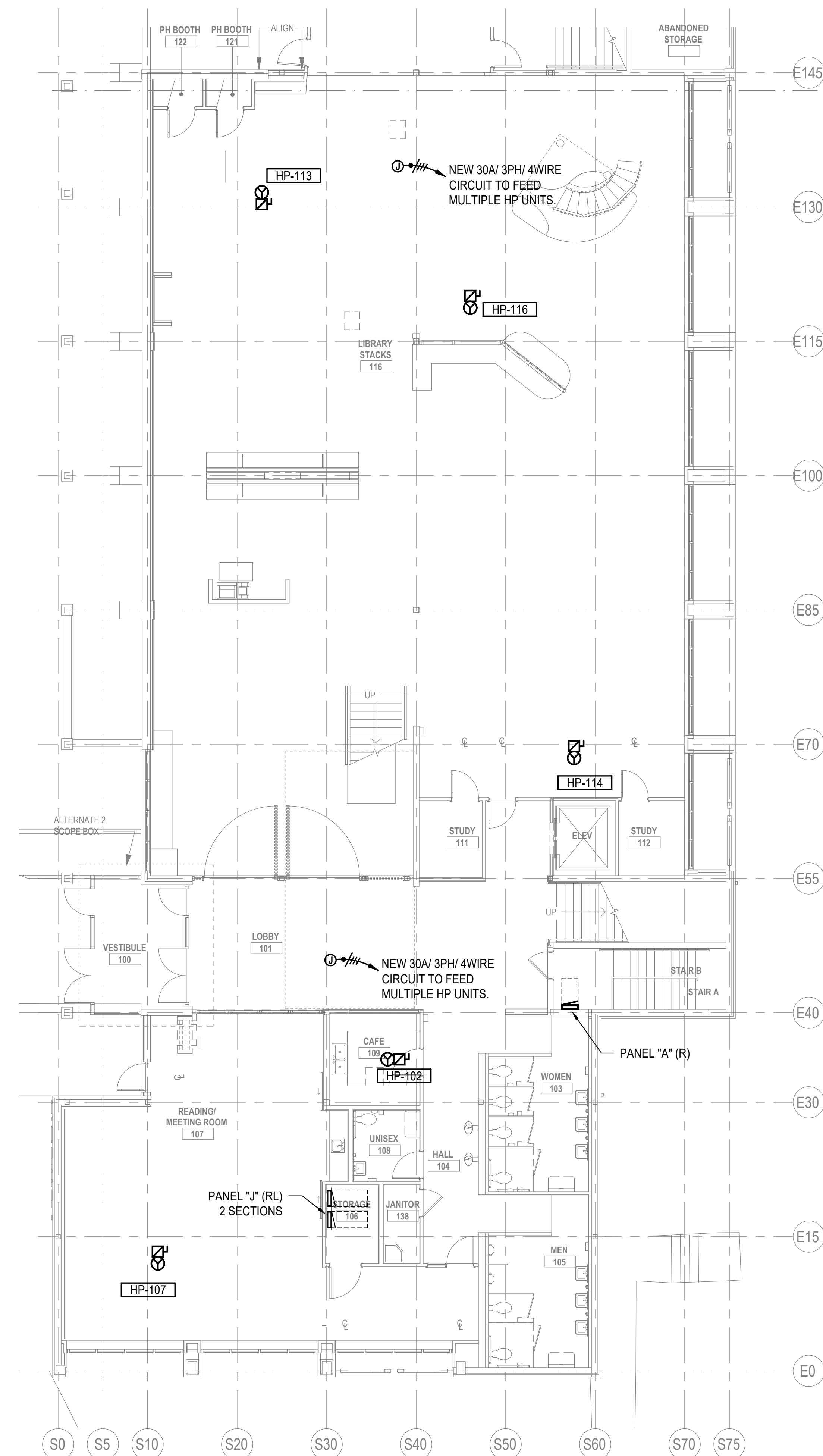
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## LEVEL 2 FLOOR PLAN - POWER

SHEET #

# E21.13

**LEVEL 2 FLOOR PLAN - SOUTH - POWER**  
SCALE: 1/8"=1'-0"



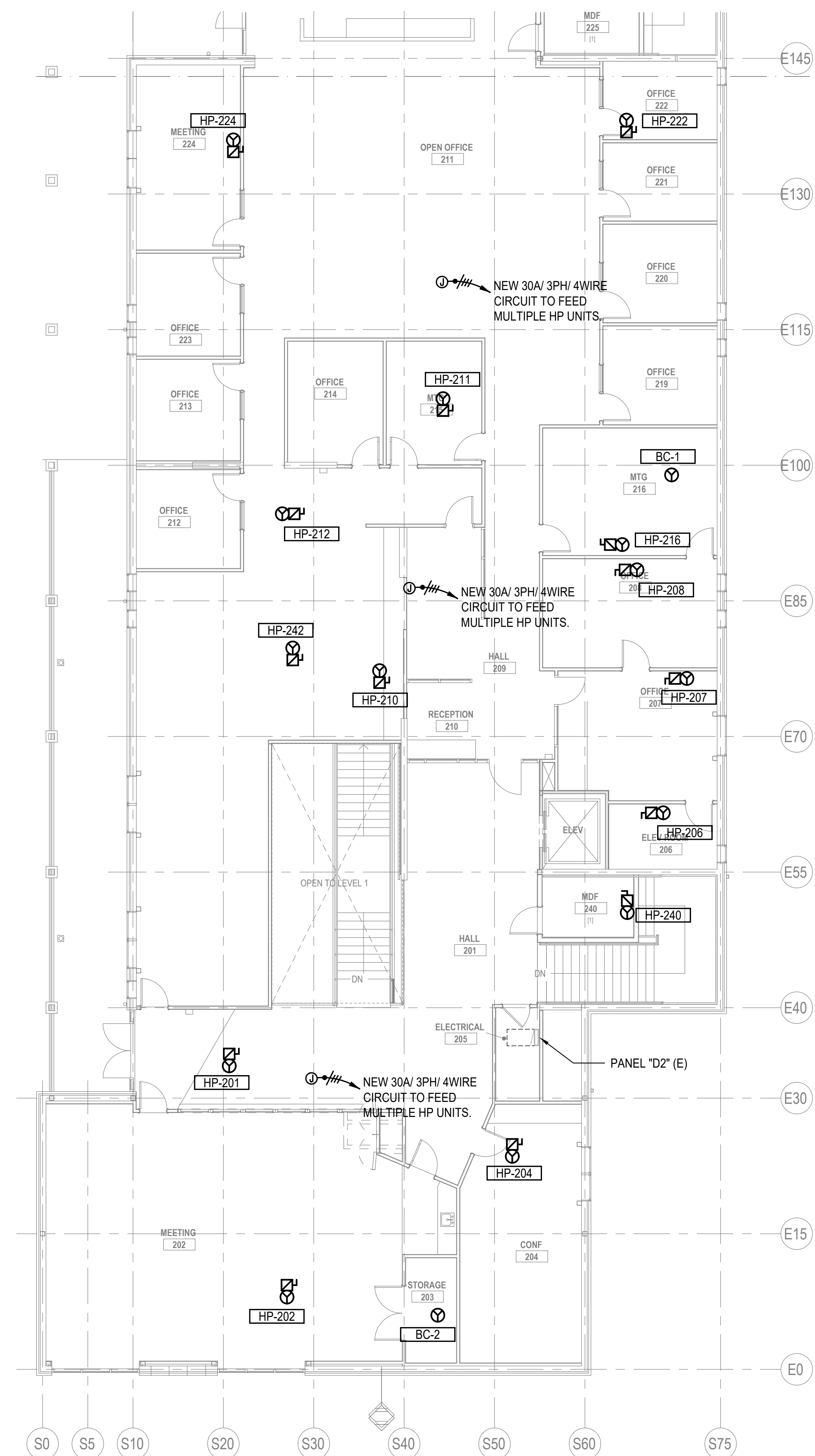
**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

[illegible]

## LEVEL 1 FLOOR PLAN - MECHANICAL POWER

SHEET #

**E21.22**



192 Nickerson, Suite #300  
Seattle, Washington 98109  
Phone: 206.285.2966

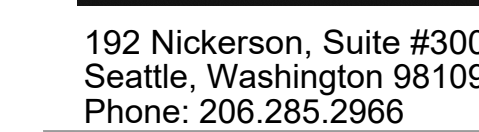


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## LEVEL 2 FLOOR PLAN - MECHANICAL POWER

SHEET #  
**E21.23**



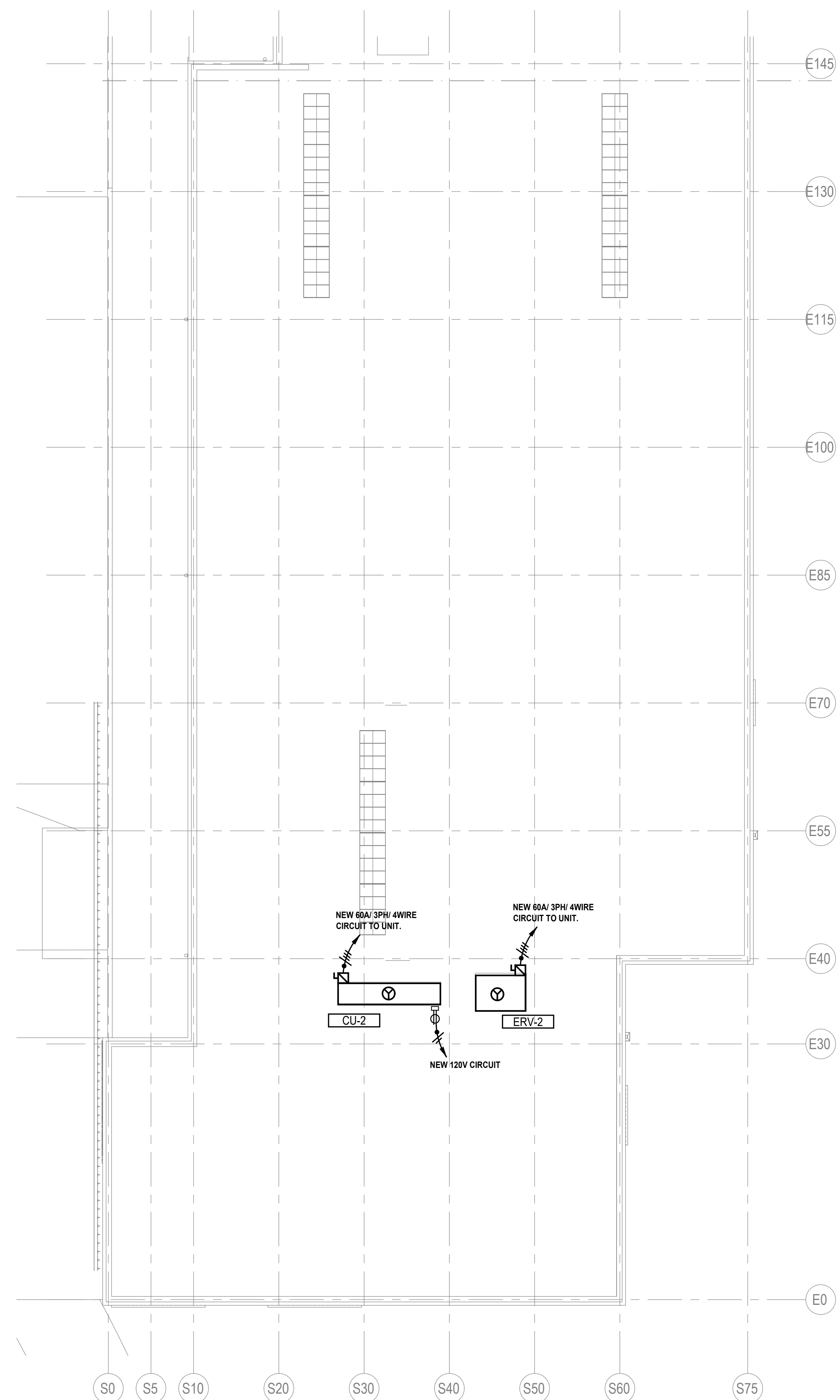
**CKSD/KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

[illegible]

## ROOF PLAN - POWER & MECHANICAL

SHEET #

## E21.24



**ROOF PLAN - SOUTH - MECH POWER**  
**SCALE: 1/8"=1'-0"**

## LIGHTING AND RECEPTACLE CONTROL NOTES

## DESIGN INTENT

1. LIGHTING CONTROLS SHALL MEET ALL REQUIREMENTS OF THE 2015 WASHINGTON STATE ENERGY CODE.
2. A NEW LIGHTING CONTROL PANEL WITH AN ASTRO-TIMECLOCK SHALL BE INSTALLED FOR CONTROL OF EXTERIOR LUMINAIRES. SEE LIGHTING CONTROL PANEL SCHEDULE, THIS DRAWING.
3. OCCUPANCY SENSORS ARE TO BE PROVIDED AS REQUIRED BY ENERGY CODE. ALL OCCUPANCY SENSORS SHALL FAIL ON.

4. AUTOMATIC DAYLIGHT RESPONSIVE DIMMING SHALL BE PROVIDED FOR ALL LUMINAIRES IN PRIMARY AND SECONDARY LIGHTING CONTROL ZONES AS REQUIRED BY ENERGY CODE. SEE LIGHTING PLANS.
5. NON-CURFEW EXTERIOR LUMINAIRES SHALL BE CONTROLLED VIA THE LIGHTING CONTROL PANEL TO BE ON FROM DUSK TO DAWN.
6. CURFEW EXTERIOR LUMINAIRES SHALL BE CONTROLLED VIA THE LIGHTING CONTROL PANEL TO BE ON FROM DUSK TO A PROGRAMMED CURFEW TIME TO BE DETERMINED BY THE OWNER. SEE THE LIGHTING CONTROL PANEL SCHEDULE, LIGHTING PLANS AND SITE PLAN FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
7. 50% OF THE RECEPTACLES IN EACH OFFICE SHALL BE AUTOMATICALLY CONTROLLED TO SHUT OFF WHEN NO ONE IS WITHIN THE OFFICE. NON-GFCI-TYPE RECEPTACLES SHALL BE HALF-SWITCHED: FOR DUPLEX RECEPTACLES THE TOP OUTLET SHALL BE AUTOMATICALLY CONTROLLED AND THE BOTTOM NON-CONTROLLED. FOR QUAD RECEPTACLES THE TWO OUTLETS ON THE LEFT SHALL BE CONTROLLED AND THE TWO OUTLETS ON THE RIGHT SHALL BE UNCONTROLLED. ALL CONTROLLED OUTLETS SHALL BE PROVIDED WITH PERMANENT LABELING AS PER NEC REQUIREMENTS. THE SAME OCCUPANCY SENSORS USED TO CONTROL THE LUMINAIRES IN EACH OFFICES SHALL ALSO CONTROL THE SWITCHED RECEPTACLES. THE CONTRACTOR SHALL PROVIDE RELAYS UL LISTED FOR 20 AMPS TO CONTROL ALL RECEPTACLE CIRCUITS.

## GENERAL REQUIREMENTS

1. ALL WORK SHALL COMPLY WITH CURRENT VERSIONS OF ALL APPLICABLE CODES INCLUDING BUT NOT LIMITED TO THE 2015 WASHINGTON STATE ENERGY CODE, THE 2017 NATIONAL ELECTRICAL CODE WITH STATE AND LOCAL AMENDMENTS, AND THE 2015 INTERNATIONAL BUILDING CODE.
2. ALL ELECTRICAL EQUIPMENT, DEVICES, COMPONENTS, ACCESSORIES, ETC SHALL BE LISTED AND LABELED FOR THE INTENDED LOCATION AND APPLICATION BY A QUALIFIED TESTING AGENCY APPROVED BY THE LOCAL AHJ.
3. THE CONTRACTOR SHALL PROVIDE RELAYS, UL 924 BYPASS DEVICES, ETC IN QUANTITIES AS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL PROJECT AS PRE CODE AND AS INDICATED IN THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL OCCUPANCY SENSORS:
  - A. CEILING-MOUNTED DEVICES SHALL BE LOCATED AT LEAST 8 FEET FROM ANY HVAC EXHAUST DIFFUSERS UNLESS THE MANUFACTURER'S INSTRUCTIONS REQUIRED A LARGER DISTANCE.
  - B. WALL-MOUNTED DEVICES SHALL NOT BE LOCATED SUCH THAT THEY ARE BLOCKED BY ANY DOORS WHEN DOORS ARE OPEN.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL OCCUPANCY SENSORS AND PHOTO SENSORS WITH THE MANUFACTURER'S INSTRUCTIONS, THE ARCHITECT AND ALL OTHER TRADES TO ENSURE PROPER FUNCTIONALITY AND COMPLETE COVERAGE OF INTENDED AREAS.
6. ALL LIGHTING CONTROLS SHALL BE COMMISSIONED AS REQUIRED IN THE WASHINGTON STATE ENERGY CODE. THE ELECTRICAL CONTRACTOR SHALL ENGAGE A FACTORY-AUTHORIZED FIELD REPRESENTATIVE TO INSPECT, TEST AND START-UP THE LIGHTING AND RECEPTACLE CONTROL SYSTEMS AND TO COORDINATE WITH THE COMMISSIONING AGENT FOR
7. THE CONTRACTOR SHALL ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO TRAIN THE OWNER'S MAINTENANCE PERSONNEL TO ADJUST, OPERATE AND MAINTAIN ALL LIGHTING CONTROLS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
8. WHEN REQUESTED WITHIN 12 MONTHS OF THE DATE OF THE SUBSTANTIAL COMPLETION OF THE PROJECT, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ON-SITE ASSISTANCE IN ADJUSTING ALL LIGHTING CONTROL SYSTEMS AND DEVICES TO SUITE THE ACTUAL OCCUPIED CONDITIONS AND REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE UP TO TWO VISITS TO THE PROJECT DURING OTHER THAN NORMAL BUSINESS HOURS FOR THIS PURPOSE.

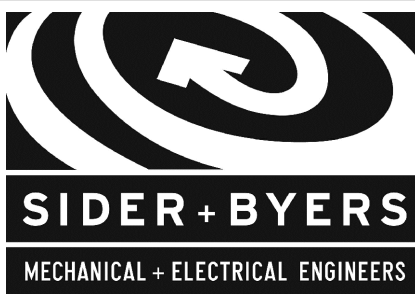
## LUMINAIRE SCHEDULE

MARK	DESCRIPTION	LAMP TYPE / LUMEN OUTPUT COLOR TEMP CRI	BALLAST / DRIVER INFORMATION	TOTAL WATTS	VOLTAGE	MOUNTING	RECESS DEPTH (IN)	MANUFACTURER	CATALOG NUMBER	NOTES:
CL1	LED CYLINDER DOWNLIGHT, SURFACE MOUNTED, MEDIUM BEAM SPREAD, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	1500 LUMENS 4000K 80+	0-10V DIMMING	15.0	120	SURFACE				
CL2	LED CYLINDER DOWNLIGHT, SURFACE MOUNTED, MEDIUM BEAM SPREAD, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	2000 LUMENS 4000K 80+	0-10V DIMMING	20.0	120	SURFACE				
LL1	LED STRIP LIGHT, 4-FT. SURFACE OR CHAIN-HUNG MOUNTING, ROUND ACRYLIC DIFFUSER	3000 LUMENS 4000K 80+	0-10V DIMMING	22.0	120	VARIOUS				
LL2	LED LINEAR WALL MOUNT, SQUARE ACRYLIC DIFFUSER, 4-FT LENGTH, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	3000 LUMENS 4000K 80+	0-10V DIMMING	30.0	120	SURFACE				
LL3	LED LINEAR COVE LIGHT, LENSED OR BAFFLE DIFFUSER, VERIFY FIXTURE LENGTHS	400 LUMENS/FT 4000K 80+	0-10V DIMMING (STANDARD)	4W/FT	120	VARIOUS				
LL4	NOT USED									
LL5	LED 4-FT LINEAR PENDANT WITH 20% UPLIGHT AND 80% DOWNLIGHT. PROVIDE WITH SQUARE ENDCAPS AND DUST COVERS. INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED. CONFIRM SUSPENSION LENGTH WITH LINEAR LED GRAZER, ALUMINUM MOUNTING CHANNEL, VARIOUS LENGHTS	3000 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	50.0	120	PENDANT				
LL6	LINEAR LED GRAZER, ALUMINUM MOUNTING CHANNEL, VARIOUS LENGHTS	300 LUMENS/FT 4000K 80+	0-10V DIMMING (STANDARD)	2W/FT	120	SURFACE				
LL7	LINEAR LED WALL WASH, ALUMINUM MOUNTING CHANNEL, FROSTED DIFFUSER, VARIOUS LENGHTS	300 LUMENS/FT 4000K 80+	0-10V DIMMING (STANDARD)	2W/FT	120	SURFACE				
LL8	LED 4-FT LINEAR PENDANT WITH DIRECT DISTRIBUTION. SQUARE EXTRUDED ALUMINUM HOUSING WITH FROSTED DIFFUSER, CONTINUOUS RUN LENGTHS, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED. CONFIRM SUSPENSION LENGTH WITH ARCHITECT.	3000 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	30.0	120	PENDANT				
LL9	LED TAPE LIGHT WITH RECESSED HOUSING AND SEALED ACRYLIC DIFFUSER. FIELD VERIFY EXACT LENGTHS AND POWER SUPPLY LOCATIONS WITH ARCHITECT AND CABINETRY.	300 LUMENS/FT 4000K 80+	0-10V DIMMING (STANDARD)	2W/FT	120	RECESSED				
LL10	ENCLOSED AND GASKETED LINEAR IN ELEVATOR PIT, LED SOURCE	3000 LUMENS 4000K 80+	ELECTRONIC	22.0	120	WALL / SURFACE				
PL1	DECORATIVE LED CYLINDER PENDANT, FROSTED DIFFUSER, 16-INCH DIAMETER, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	2000 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	25.0	120	PENDANT				
PL2	DECORATIVE PENDANT, LED SOURCE, COLORED GLASS DIFFUSER	700 LUMENS 3000K 80+	0-10V DIMMING (STANDARD)	10.0	120	PENDANT				
PL3	DECORATIVE LED PENDANT, FROSTED DIFFUSER, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	1500 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	15.0	120	PENDANT				
RL1	RECESSED 2X4 BASKET FIXTURE, LED SOURCE, DIRECT/INDIRECT DISTRIBUTION, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	2000 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	25.0	120	RECESSED				
RL2	RECESSED 2X4 BASKET FIXTURE, LED SOURCE, DIRECT/INDIRECT DISTRIBUTION, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	2000 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	25.0	120	RECESSED				
RL3	RECESSED LINEAR FIXTURE, LED SOURCE, DIRECT DISTRIBUTION, FROSTED DIFFUSER LENS, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	3000 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	30.0	120	PENDANT				
RL4	NOT USED									
RL5	RECESSED DOWNLIGHT, LED SOURCE, 6-INCH APERATURE, MEDIUM BEAM SPREAD, OPEN REFLECTOR INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	1500 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	15.0	120	RECESSED				
RL6	RECESSED DOWNLIGHT, LED SOURCE, 4-INCH APERATURE, MEDIUM BEAM SPREAD, OPEN REFLECTOR INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED	1000 LUMENS 4000K 80+	0-10V DIMMING (STANDARD)	10.0	120	RECESSED				
RL7	NOT USED									
WL1	POLE MOUNTED AREA/PARKING LUMINAIRE, EXTURDED ALUMINUM HOUSING, LED SOURCE, FULL CUT-OFF OPTICS, TYPE II DISTRIBUTION, 25-FOOT ROUND POLE	10,000 LUMENS 3000K 90+	ELECTRONIC	113.0	120	POLE				
WL2	POLE MOUNTED PEDESTRIAN AREA LUMINAIRE, LED SOURCE, FULL CUT-OFF OPTICS, 8-FOOT POLE	4000 LUMENS 3000K 90+	ELECTRONIC	35.0	120	POLE				
WL3	NOT USED									
WL4	SURFACE MOUNTED AREA LIGHT, SQUARE SHAPE TO MATCH EXISTING FIXTURES BEING REPLACED, DAMP LABEL RATED, INTEGRAL EMERGENCY EGRESS BACK-UP BATTERY WHERE INDICATED.	1000 LUMENS 3000K 80+	ELECTRONIC	20.0	120	SURFACE				
WL5	SURFACE MOUNTED LED LINEAR WALL WASH, EXTERIOR / WET LABEL RATED,	400 LUMENS/FT 4000K 80+	0-10V DIMMING (STANDARD)	5W/FT	120					
X1	LED SELF-POWERED EXIT SIGN; WHITE WITH GREEN LETTERING. PROVIDE WITH SELF DIAGNOSTICS AND POLYCARBONITE VANDAL SHIELD.			2.2	120	VARIOUS				
X2	LED EMERGENCY LIGHTING UNIT WITH SEALED, MAINTENANCE-FREE LEAD ACID BATTERY. UNIT PROVIDES 1FC AVERAGE ON A 6-FT WIDE EGRESS PATH WITH 50-FT SPACING BETWEEN FIXTURES.			1.2	120	WALL				

**NOTES:**

1. PROVIDE ALL PARTS, COMPONENTS, AND HARDWARE TO CONSTITUTE A COMPLETE INSTALLATION WITH OPTIONS INDICATED IN LUMINAIRE SCHEDULE. CATALOG NUMBERS FOR SUCH ITEMS ARE NOT INCLUDED IN SCHEDULE ABOVE.
2. COORDINATE ALL COLORS / FINISHES WITH ARCHITECT.
3. WHERE SWITCHING OF EMERGENCY LUMINAIRES IS INDICATED ON THE PLANS, PROVIDE UL 924 BYPASS DEVICES PER CODE REQUIREMENTS.
4. SEE LIGHTING PLANS FOR MOUNTING AND FACES / ARROWS AT EACH LOCATION.
5. SEE LIGHTING PLANS FOR MOUNTING.
6. PROVIDE PENDANT / UNISTRUT MOUNTING AS NEEDED AS AREAS WITH INSULATION ON THE CEILING. SEE ARCHITECTURAL PLANS FOR INSULATED AREAS.

275 FIFTH STREET, SUITE 100  
BREMERTON, WA 98337  
360-377-8773  
RFMARCH.COM



192 Nickerson, Suite #300  
Seattle, Washington 98109  
Phone: 206.285.2966



**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
 3700 NW ANDERSON HILL RD  
 SILVERDALE, WA 98383

PROJECT #	18100
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## PERMIT SET

ISSUE DATE DECEMBER 24, 2019

## REVISION SCHEDULE

[illegible]

## LUMINAIRE SCHEDULE

SHEET 3

# E30.01

<div style="display: flex; justify-content: space-between;"> <span><b>Lighting Summary, cont.</b></span> <span><b>LTG-SUM</b></span> </div> <div style="font-size: 0.8em; margin-top: 2px;"> 2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1 </div>		<div style="display: flex; justify-content: space-between;"> <span></span> <span><b>LTG-SUM</b></span> </div> <div style="font-size: 0.8em; margin-top: 2px;"> 2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1 </div>																	
<b>Project Info</b>  <div style="font-size: 0.8em;"> <i>Completion forms do not require a password to use. Instructional and calculating cells are write-protected.</i> </div>	<div style="border: 1px solid black; padding: 2px;"> Project Title: <b>CKSD / KRL 900 BUILDING RENOVATION</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Applicant Information: <i>Provide contact information for individual(s) who can respond to inquiries about compliance form information provided.</i> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Company Name: <b>SIDER+BYERS ENGINEERS</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Company Address: <b>182 NICKERSON ST SEATTLE WA 98109</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Applicant Name: <b>RYAN ARP</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Applicant Phone: <b>206-285-2966</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Applicant Email: <b>RYAN@SIDERBYERS.COM</b> </div>	Date:	12/21/2018  For Building Department Use																
<b>Project Description</b>	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 40%;"> <input type="checkbox"/> New Building    <input type="checkbox"/> Addition </div> <div style="width: 40%;"> <input checked="" type="checkbox"/> Alteration    <input type="checkbox"/> No Lighting Scope </div> </div> <div style="font-size: 0.8em; margin-top: 5px;"> Include PROJ - SUM form (included in envelope forms workbook) with lighting compliance forms. </div>																		
<b>Interior Lighting System Description</b>  <div style="font-size: 0.8em; margin-top: 5px;"> <i>Briefly describe interior lighting system type and features.</i> </div>	<input checked="" type="checkbox"/> Interior Lighting Plans Included																		
<b>Interior Lighting Power Allowance Method</b>	<input checked="" type="checkbox"/> Building Area Method <input type="checkbox"/> Space-by-space Method <i>Select method used in project.</i>																		
<b>Interior Lighting Controls</b>  <div style="font-size: 0.8em; margin-top: 5px;"> <i>Select method of compliance for lighting controls.</i> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <input checked="" type="checkbox"/> All C405.2.1 - C405.2.8 Lighting Controls   <input type="checkbox"/> Additional Efficiency Package Option  C406.4 Enhanced Digital Lighting Controls   <small>To comply with C406.4, no less than 90% of the total installed interior lighting power shall comply with the required controls per C406.4.</small> </div> <div style="width: 35%;"> <input type="checkbox"/> C405.2 Exception 5 Luminaire Level Lighting Controls (LLC) </div> </div>																		
<b>Dwelling Unit Interior Lighting</b>	<div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <i>Permanently installed interior lighting fixtures in dwelling units comply with:</i>  <input type="radio"/> C405.2.2 thru C405.5 Commercial Lighting Controls and LPA  <input type="radio"/> C406.3 High Efficacy Lighting  <input type="radio"/> R404.1 Residential High Efficacy Lighting </div> <div style="width: 25%; text-align: center;"> <input checked="" type="radio"/> No Dwelling Units </div> </div> <div style="font-size: 0.8em; margin-top: 5px;"> <i>Dwelling unit lighting complies with WSEC Residential provisions in lieu of WSEC Commercial provisions.</i> </div>																		
<b>Exterior Lighting System Description</b>  <div style="font-size: 0.8em; margin-top: 5px;"> <i>Briefly describe exterior lighting system type and features.</i> </div>	<input checked="" type="checkbox"/> Exterior Lighting Plans Included																		
<b>Building Additions</b>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th style="width: 60%;">Compliance Method</th> <th style="width: 10%;">Interior lighting</th> <th style="width: 10%;">Exterior lighting</th> </tr> </thead> <tbody> <tr> <td>Lighting systems in addition area comply with all applicable provisions as a stand alone new construction project</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Lighting systems in addition are combined with existing building lighting systems to demonstrate compliance</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table> <div style="font-size: 0.8em; margin-top: 5px;"> <b>Additions combined with existing:</b>  For interior lighting projects, include new + existing-to-remain interior lighting fixture wattage in Proposed Lighting Wattage table in LTG-INT-BLD or LTG-INT-SPACE form.  For exterior lighting projects, include new + existing-to-remain exterior lighting fixture wattage in Proposed Traillable and Proposed Non-Traillable Lighting Wattage table in LTG-EXT form. </div>			Compliance Method	Interior lighting	Exterior lighting	Lighting systems in addition area comply with all applicable provisions as a stand alone new construction project	<input type="checkbox"/>	<input type="checkbox"/>	Lighting systems in addition are combined with existing building lighting systems to demonstrate compliance	<input type="checkbox"/>	<input type="checkbox"/>							
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<b>Change of Space Use</b>		<div style="border: 1px solid black; padding: 2px;"> Project Title: <b>CKSD / KRL 900 BUILDING RENOVATION</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Applicant Information: <i>Provide contact information for individual(s) who can respond to inquiries about compliance form information provided.</i> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Company Name: <b>SIDER+BYERS ENGINEERS</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Company Address: <b>182 NICKERSON ST SEATTLE WA 98109</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Applicant Name: <b>RYAN ARP</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Applicant Phone: <b>206-285-2966</b> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;"> Applicant Email: <b>RYAN@SIDERBYERS.COM</b> </div>																	
<b>Interior and Exterior Lighting Alterations</b>  <div style="font-size: 0.8em; margin-top: 5px;"> <i>Select all Lighting Power and Lighting Control elements that apply to the scope of the retrofit project. If project includes a combination of spaces where less than 50% of the existing fixtures are replaced in some spaces, and 50% or more of the fixtures are replaced in others, then provide separate lighting power compliance forms for the two retrofit conditions. Spaces undergoing the same type of retrofit may be combined into one lighting power compliance form.</i> </div>	<input checked="" type="checkbox"/> Existing interior lighting systems in areas under-going a change in space use are upgraded to comply with LPAs for the new space types per Tables C405.4.2(1) or C405.4.2(2).  <i>Identify interior spaces requiring LPD upgrade to the current Code in Proposed Lighting Wattage table in LTG-INT-BLD or LTG-INT-SPACE form.</i>																		
<div style="font-size: 0.8em; margin-top: 5px;"> <i>Refer to Section C502.2.6 for additional requirements.</i> </div>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th style="width: 30%;">Lighting Power</th> <th style="width: 10%;">Interior lighting</th> <th style="width: 10%;">Parking garage</th> <th style="width: 10%;">Exterior lighting</th> </tr> </thead> <tbody> <tr> <td>50% or more of existing are replaced</td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>Less than 50% of existing are replaced</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>Lamp and/or ballast replacement only – existing total wattage not increased</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table> <div style="font-size: 0.8em; margin-top: 5px;"> <b>50% or more replaced:</b> Total lighting power of new + existing-to-remain fixtures shall comply with total LPA per Sections C405.4.2.1 and C405.4.2.2. Include new + existing-to-remain fixtures in Proposed Lighting Wattage table in LTG-INT-BLD, LTG-INT-SPACE or LTG-EXT form.  <b>Less than 50% replaced:</b> Total lighting power of new + existing-to-remain fixtures shall not exceed the total lighting power prior to alteration. Include new + existing-to-remain fixtures in the Proposed Lighting Wattage table in LTG-INT-BLD, LTG-INT-SPACE or LTG-EXT form.  <b>50% threshold applies to number of luminaires for interior spaces and parking garages, and total installed wattage for exterior luminaires.</b> </div>			Lighting Power	Interior lighting	Parking garage	Exterior lighting	50% or more of existing are replaced	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Less than 50% of existing are replaced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lamp and/or ballast replacement only – existing total wattage not increased	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Lighting Controls	Interior lighting	Parking garage	Exterior lighting																
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## Interior Lighting - Building Area Method

2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1 Revised Nov 2017

Project Title: **CKSD / KPL 900 BUILDING RENOVATION**

## LTC-INT-BLD

Date **12/21/2018**

For Building Department Use

### Calculation Area <sup>NOTE 9</sup>

☐ New Construction

☐ Addition - stand alone

☐ Spaces where <50% of luminaires are replaced

☒ Spaces where ≥ 50% of luminaires are replaced

☒ Standard

☐ Additional Efficiency Package Option C406.3 Reduced Interior Lighting Power

☐ Addition - existing
 ☐ Clear

### LPA Calculation

To comply with C406.3, the Proposed LPA shall be 25% lower than the Target LPA. Refer to C406.3 for additional requirements.

User Note

### Maximum Allowed Lighting Wattage <sup>NOTE 1</sup>

Building Area	Location (plan #, room#, or ALL)	Area Description	Gross Interior Area in ft <sup>2</sup>	Allowed Watts per ft <sup>2</sup>	Watts Allowed (watts/ft <sup>2</sup> x area) <sup>NOTE 11</sup>
Office		LEVEL 2 - CKSD ADMIN OFFICES	11700	0.55	7722
Library		LEVEL 1 - KITSAP REGIONAL LIBRARY	12940	0.54	12164
			<b>Total</b>	<b>24640</b>	

### Proposed Lighting Wattage

Building Area	Location (plan #, room#)	Fixture Description <sup>NOTES 3, 4, 5, 6</sup>	Number of Fixtures	Watts per Fixture <sup>NOTE 7</sup>	Watts Proposed
Library	CL1		14	15	210
Library	CL2		14	20	280
Library	LL1		14	22	308
Library	LL2		9	30	270
Library	LL3 (watts/foot)		69	4	276
	LL4				
Office	LL5		42	50	2100
Library	LL6 (watts/foot)		126	2	252
Library	LL7 (watts/foot)		59	2	118
Library	LL8		37	30	1110
Library	LL9 (watts/foot)		10	2	19
Library	LL10		1	22	22
Library	PL1		56	25	1400
Office	PL2		8	10	80
Office	PL3		5	15	75
Office	PL1		36	25	900
Office	RL2		74	25	1850
Office	RL3		59	30	1770
	RL4				
Library	RL5		46	15	690
Office	RL6		20	10	200
	RL7				

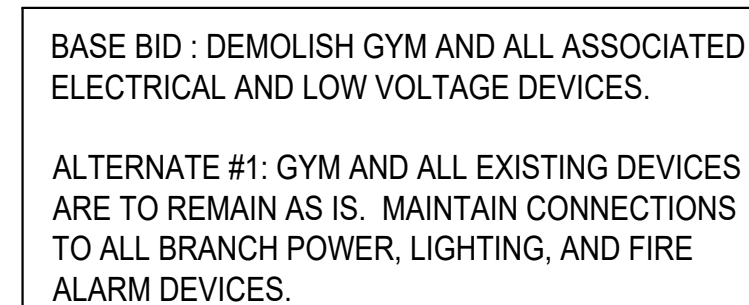
### Compliance by Building Area <sup>NOTE 8</sup>

Building Area	Warnings	Total Allowed Watts	Total Proposed Watts	Interior Lighting Power Allowance
Office	Confirm all fixtures are reported under proposed lighting - low w watts relative to maximum allow ed.	7722	4225	COMPLIES
Library		12164	7705	COMPLIES

	Totals	19886	11930
Note 1 - List all unique building areas per Table C405.4.2(1) that occur in the project scope. Select building area category from downward menu.			
Note 2 - Unit 1 Message - Enter lighting fixture information for this building area surface in Proposed Lighting Wgtable tab to generate Lighting Power Allowance.			
Note 3 - Proposed Fixtures must be listed in the building area in which they occur. List all proposed lighting fixtures including exempt lighting equipment and existing-to-remain fixtures.			
Note 4 - For proposed Fixtures, list the fixture type (e.g. lamp type, lamp type (e.g. T-8), number of ballasts in the fixture, and ballast type (if included). For track lighting, list the length of the track (in feet) and include lamp type, lamp, and ballast information.			
Note 5 - For lighting equipment eligible for exemption per C405.4.1, note exception number and leave Watts/Fixture blank.			
Note 6 - Existing-to-remain fixtures shall be included in the Proposed Lighting Wgtable tab in the same manner as new fixtures. Identify as existing fixture design details.			
Note 7 - For proposed Watts/Fixture enter the luminaire/wattage for installed lamp and ballast using manufacturer or other approved source. For luminaires with screw-in lamps, enter the manufacturer's listed maximum wattage of the fixture (not the lamp wattage). For low voltage lighting, enter the wattage of the transformer. For line voltage trackbus systems, enter the larger of the attached luminaire/wattage or the wattage of the unit, or the wattage of the unit and the wattage of the transformer.			
Note 8 - Proposed Wattage for each Building Area type shall not exceed the Allowed Wattage for that Building Area type. Trading wattage between Building Area types is not allowed under the Building Area Method compliance path.			
Note 9 - Calculation Area Details:			
a. Lighting fixtures in a building addition may comply as a stand alone project, or they may be combined with the overall existing building lighting systems to demonstrate compliance. Refer to C502.1.			
b. For alterations and building additions, provide Building Area types and gross interior areas in the Maximum Allowed Lighting Wgtable. If a building addition will comply as combined with the overall existing building lighting systems, include all applicable existing Building Area types and gross interior areas:			
i. If less than 50% of existing lighting fixtures will be replaced, use LGT-INT-SPACE form to document compliance.			

Exterior Lighting						LTC-EXT			
2015 Washington State Energy Code Compliance Forms for Commercial Buildings including R2, R3, R4 over 3 stories and all R1								Revised Nov 2017	
Project Title:		CKSD / KRL 900 BUILDING RENOVATION				Date:		12/21/2018	
<b>Exterior Lighting Zone</b>  Zone 1    Zone 2 <input checked="" type="radio"/> Zone 3    Zone 4 <input type="radio"/> Clear <small>Exterior Lighting Zone selection required to enable LTC-EXT form. Zones are defined in Table C405.5.2(1) and specified by the jurisdiction.</small>		For Building Department Use							
<b>Calculation Area</b>  <input type="radio"/> New construction <input type="radio"/> Addition - stand alone <input type="radio"/> Addition - existing <input type="radio"/> Alteration w/lt <50% ext. w/attage replaced <input checked="" type="radio"/> Alteration w/lt ≥ 50% ext. w/attage replaced <input type="radio"/> Clear		User Note							
<b>Building Grounds</b>  <input type="checkbox"/> Efficacy > 80 lumens/w att <input type="checkbox"/> Exemption <small>Applies to individual luminaires &gt; 100 Watts</small> <input type="checkbox"/> Controlled by motion sensor									
<b>Tradable Maximum Allowed Lighting Wattage</b> <sup>NOTE 1</sup>						Base Site Allowance:		750	
Tradable Surfaces		Surface Description		Area (ft²), perimeter (ft) or # of items		Allowed Watts per ft², or per ft		Allowed Watts x ft² (or x ft) <sup>NOTE 2</sup>	
Uncovered Parking and drives		REVISED PARKING LOT AREA		1,2970		0.08 W/ft²		1038	
Grounds Walkways >10' w/de		NEW LEVEL 2 PLAZA		1670		0.16 W/ft²		267	
Total Allowed Tradable + Site Allowance Watts:						2055			
<b>Tradable Proposed Lighting Wattage</b> <sup>NOTE 3</sup>									
Tradable Surface		Fixture Description <sup>NOTE 4,5</sup>		Number of Fixtures		Watts per Fixture <sup>NOTE 6</sup>		Watts Proposed	
Uncovered Parking and drives		WL1		3		113		339	
Grounds Walkways >10' w/de		WL2		5		35		175	
Total Proposed Tradable Watts:						514			
<small>Total proposed tradable watts may not exceed the sum of total allowed tradable watts plus the base site allowance. Any base site allowance not needed to make tradable watts comply can be applied to individual non-tradable categories.</small>									
<b>Non-Tradable Maximum Allowed Lighting Wattage</b> <sup>NOTE 1</sup>						Site Allowance Remaining:		750	
Non-Tradable Surfaces		Surface Description		Area (ft²), perimeter (ft) or # of items		Allowed Watts per ft², if or item		Allowed Watts x ft² (or x ft) <sup>NOTE 2</sup>	
Bldg. Façade		ENTRY FAÇADE		1300		0.113 W/ft²		147	
Total Non-Tradable Watts:						147			
<b>Non-Tradable Proposed Lighting Wattage</b> <sup>NOTE 3,7</sup>									
Non-Tradable Surface		Fixture Description <sup>NOTE 4,5</sup>		Number of Fixtures		Watts per Fixture <sup>NOTE 6</sup>		Watts Proposed	
Bldg. Façade		WLS (watts / foot)		65		5		325	
Total Non-Tradable Proposed Watts:						325			
<small>Non-tradable proposed watts may not exceed allowed watts for any individual surface unless the total excess watts for all non-tradable surfaces are less than the remaining site allowance.</small>						Non-Tradable Watts Exceeding LPA:		178	
Remaindering Site Allowance:						572			
COMPLIES WITH MAX. ALLOWANCE									

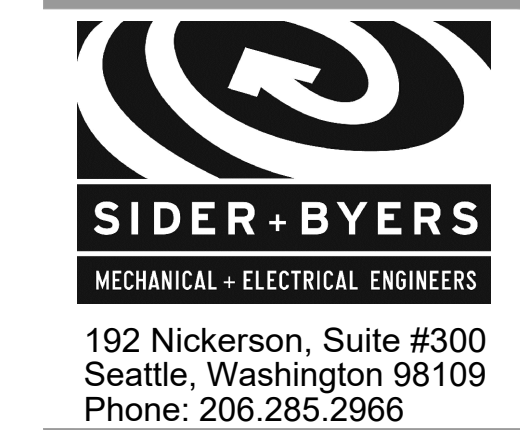
[illegible]



**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

[illegible]

## BASEMENT AND LEVEL 3 DEMOLITION FLOOR LIGHTING PLANS



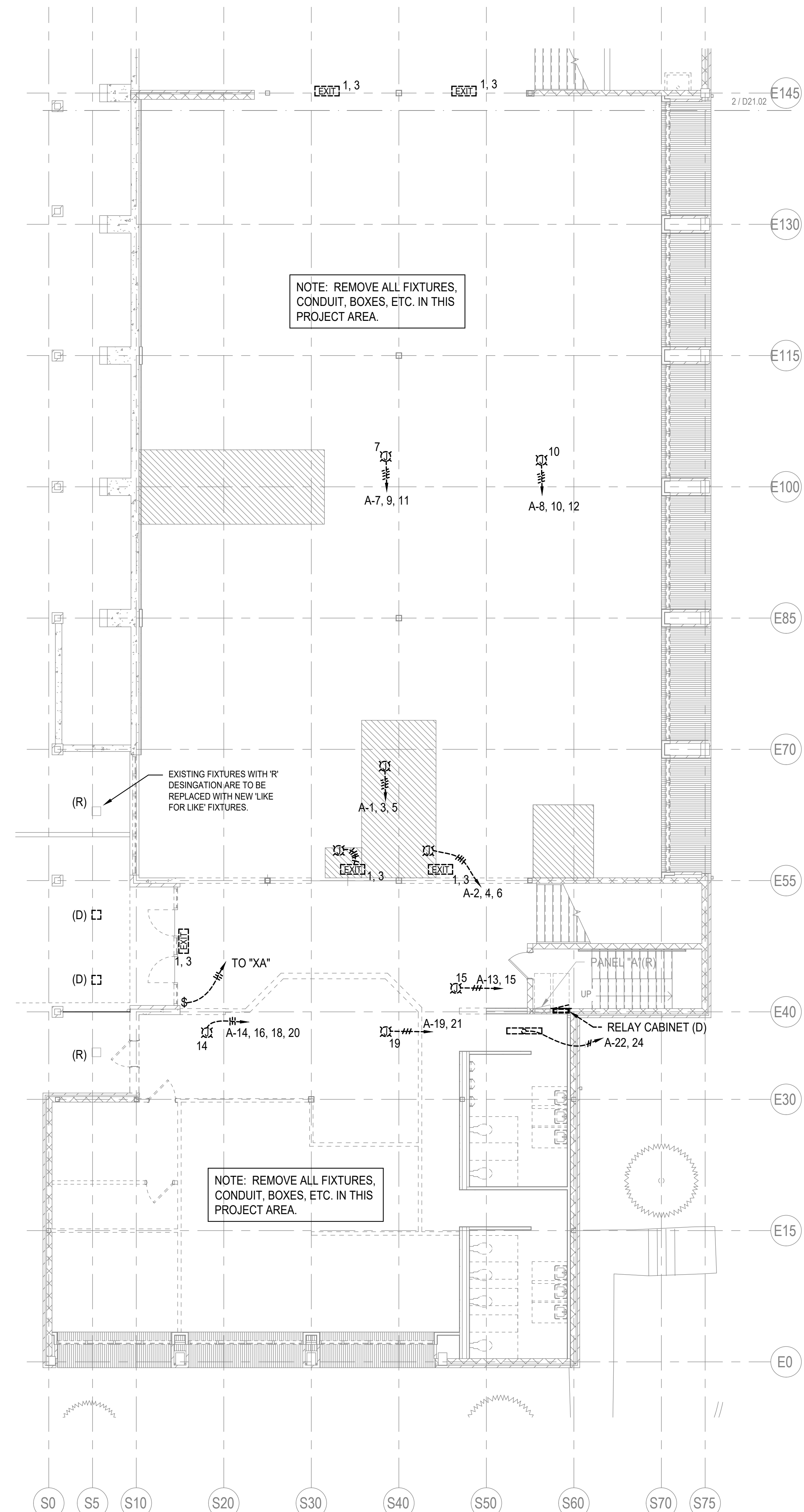
**CKSD/ KRL**  
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[illegible]

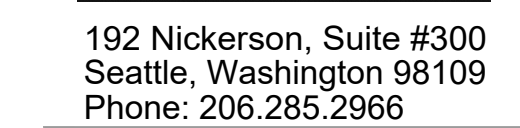
## LEVEL 1 DEMOLITION FLOOR LIGHTING PLAN

SHEET #

**E31.02**



**LEVEL 1 DEMOLITION FLOOR PLAN - SOUTH - LIGHTING**  
SCALE: 1/8"=1'-0"



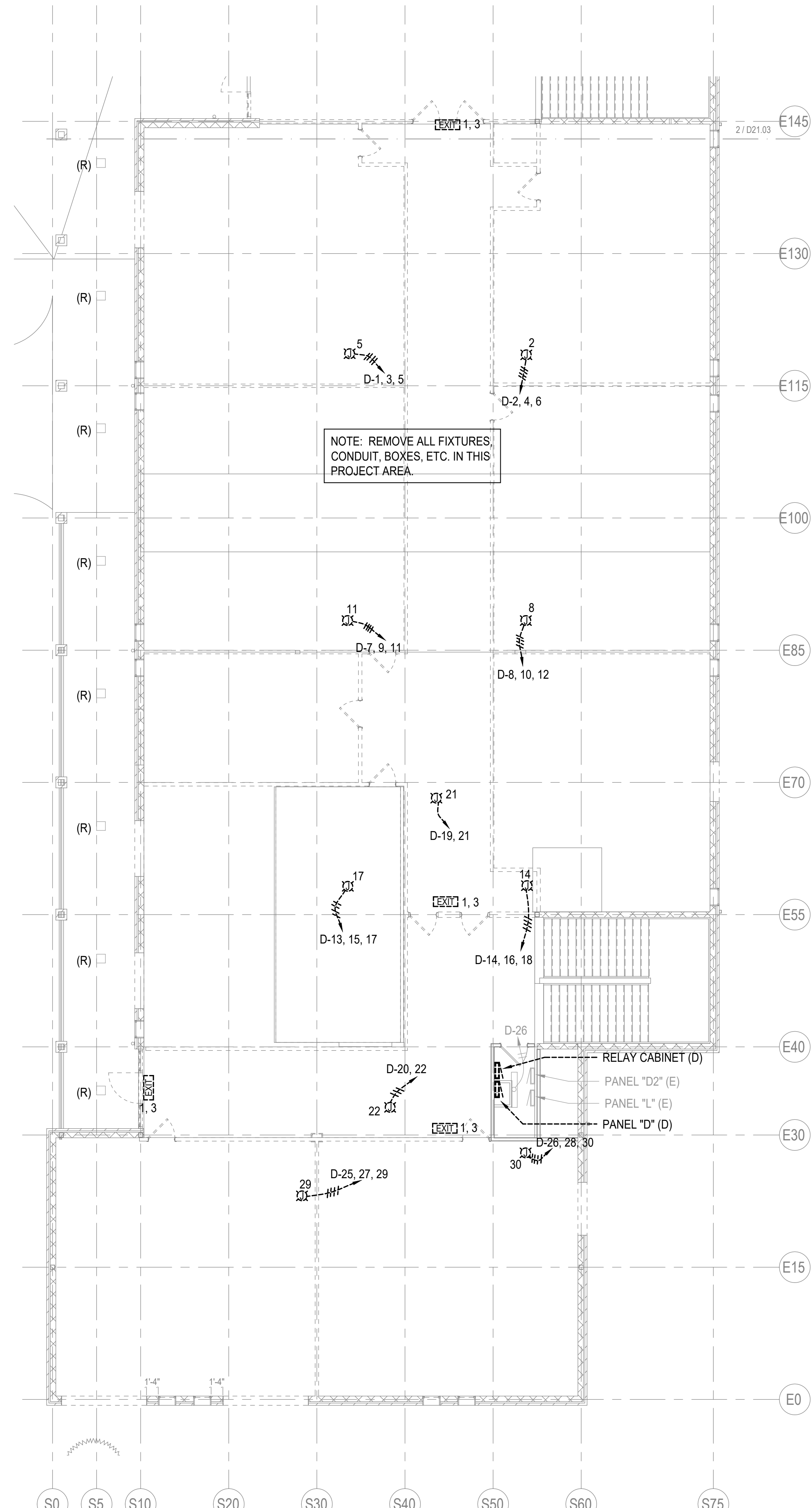
**CKSD/ KRL**  
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SILVERDALE, WA 98383

[illegible]

### LEVEL 2 DEMOLITION FLOOR LIGHTING PLAN

SHEET #

## E31.03



**LEVEL 2 DEMOLITION FLOOR PLAN - SOUTH - LIGHTING**  
SCALE: 1/8"=1'-0"



**CKSD/ KRL**  
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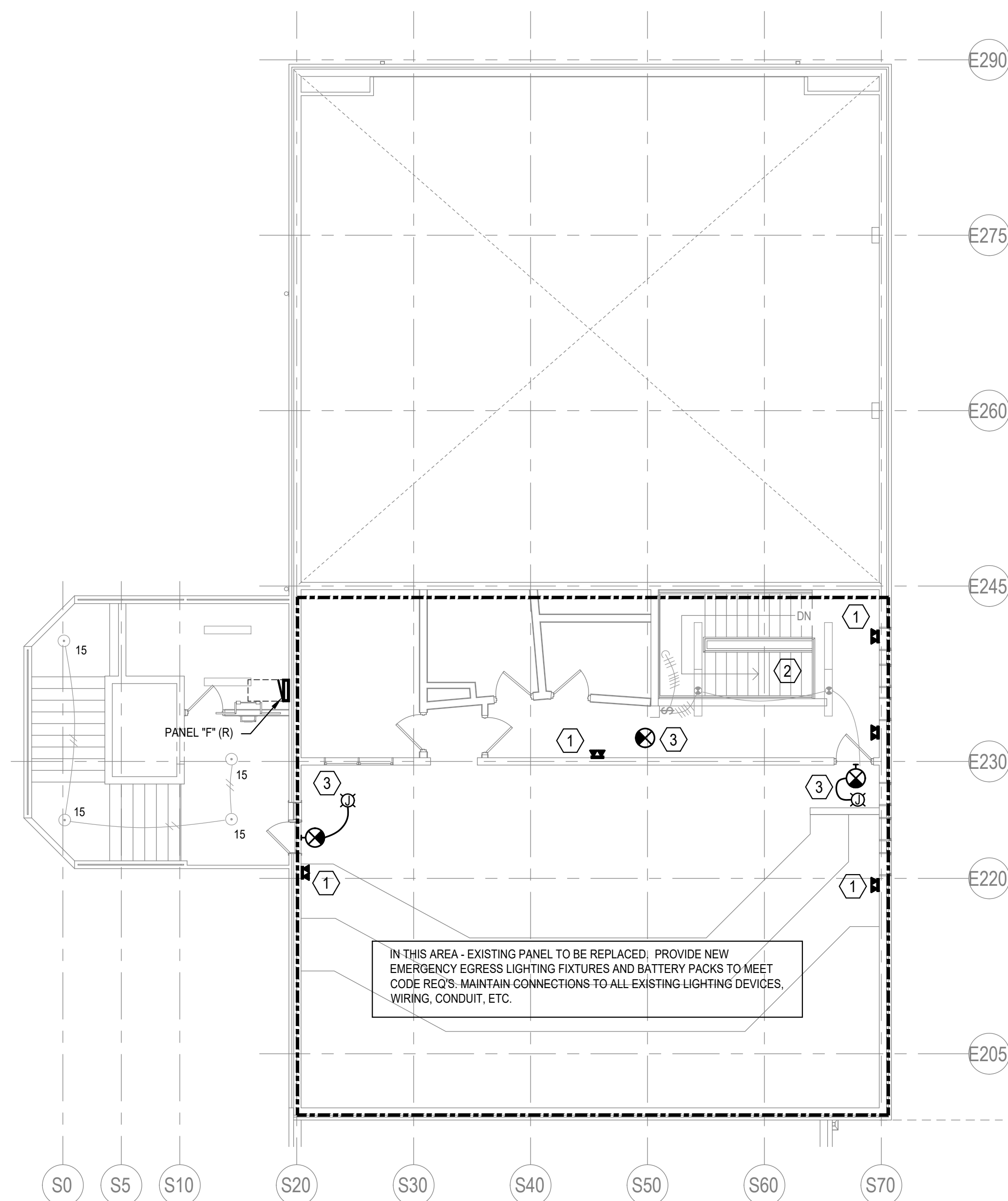
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### BASEMENT AND LEVEL 3 FLOOR PLANS - LIGHTING

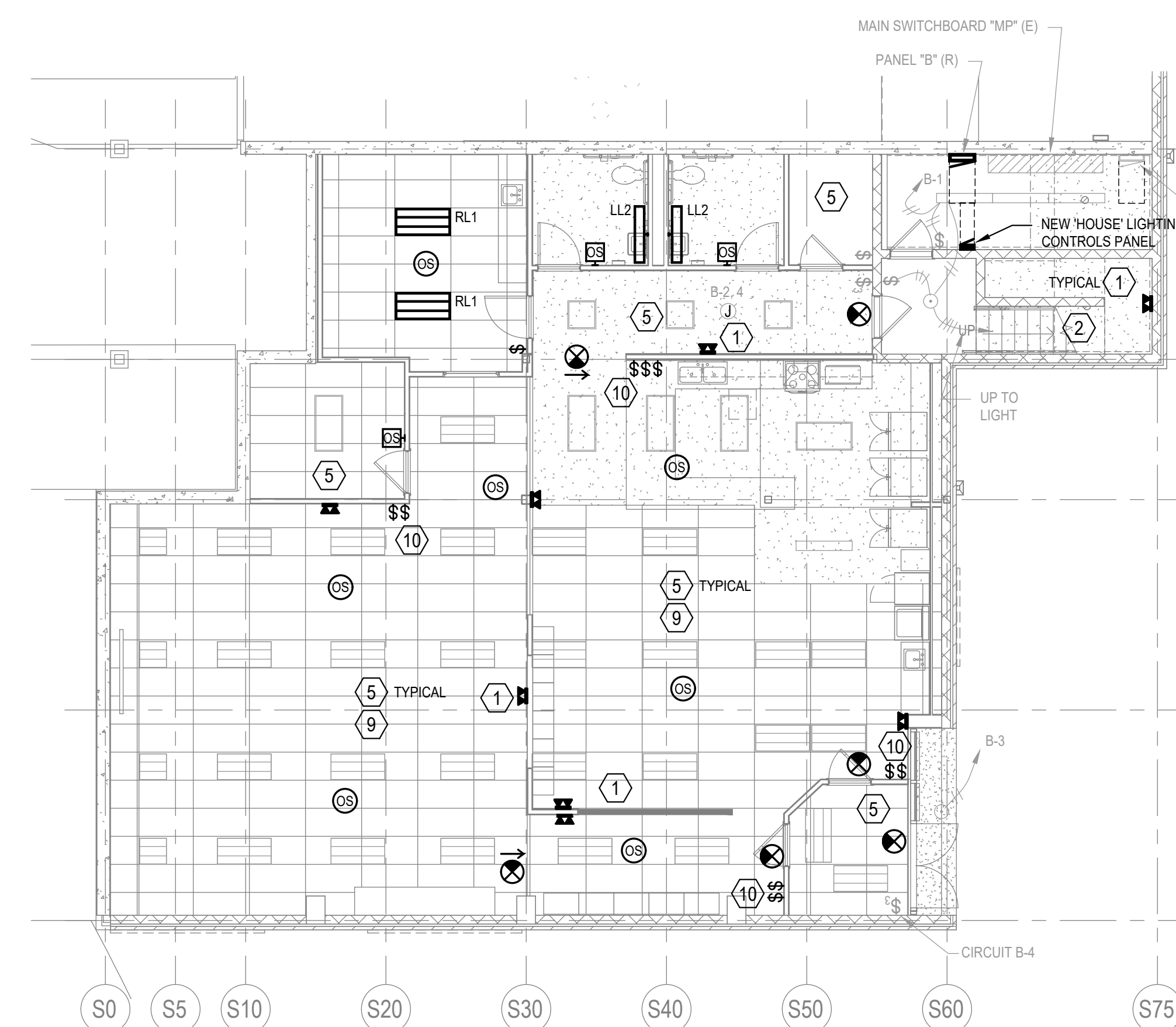
SHEET #

**E31.11**

1. PROVIDE NEW EMERGENCY BUG EYE FIXTURES IN UNMODIFIED EXISTING SPACES TO MEET EGRESS LIGHTING REQUIREMENTS.
2. AT EXISTING STAIRWAY, PROVIDE NEW 120V CIRCUIT TO SERVE EXISTING AND NEW STAIR LIGHTING FIXTURES.
3. PROVIDE NEW EXIT SIGNS WITH EMERGENCY BACK-UP BATTERIES, IN EXISTING SPACES TO REMAIN. PROVIDE NEW CONNECTION TO EXISTING NEARBY CIRCUIT.
4. LIGHTING CONTROLS HEAD END (LCP). PROVIDE SYSTEM WITH MULTIPLE RELAYS, TIME CLOCK ON/OFF ACTIVATION CAPABILITIES AND PRE-PROGRAMMED SCENES AS NEEDED BY CKSD OPERATIONS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT. PROVIDE DEDICATED 120V CIRCUIT TO POWER LCP.
5. EXISTING LIGHTING FIXTURES IN 'LITEHOUSE' AREA ARE TO BE REINSTALLED IN NEW CEILING CONFIGURATION WHEREVER POSSIBLE. CONTRACTOR TO RE-LAMP AND RE-BALLAST FIXTURES AND INSTALL PER ARCHITECTS NEW LAYOUT.
6. NOT USED
7. PROVIDE LOW-VOLTAGE SWITCH FOR AFTER HOURS MANUAL ACTIVATION OF LIGHTS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT.
8. FIXTURES WITH SHADING INDICATE INTEGRAL BATTERY BACKUP FOR EMERGENCY EGRESS LIGHTING. IN ADDITION, PROVIDE EMERGENCY BYPASS RELAY TO ACTIVATE FIXTURES DURING NORMAL POWER LOSS REGARDLESS OF LCP PROGRAMMING.
9. PROVIDE OCCUPANCY SENSOR IN THIS SPACE FOR AUTOMATIC CONTROL OF SWITCHED RECEPTACLES.
10. PROVIDE NEW WALL SWITCHES, IN EXISTING LOCATIONS, FOR MANUAL ADJUSTMENT OF FIXTURE IN CONJUNCTION WITH NEW OCCUPANCY SENSORS.

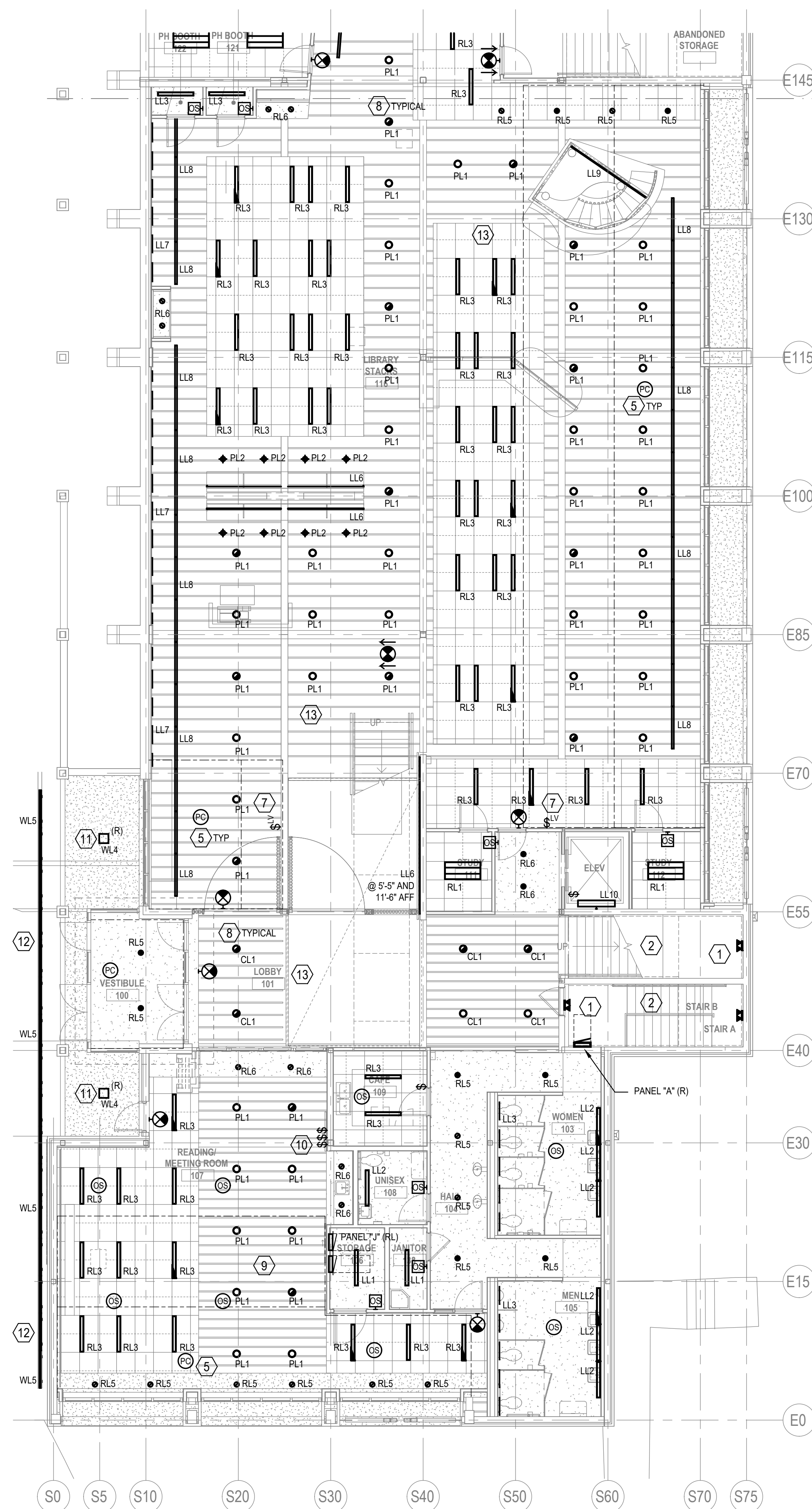



### LEVEL 3 FLOOR PLAN - LIGHTING

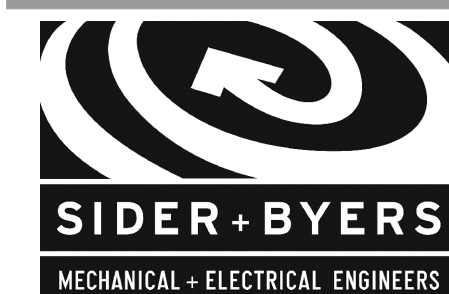


## BASEMENT FLOOR PLAN - LIGHTING

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



- FLAG NOTES** :
1. PROVIDE NEW EMERGENCY BUG EYE FIXTURES IN UNMODIFIED EXISTING SPACES TO MEET EGRESS LIGHTING REQUIREMENTS.
  2. AT EXISTING STAIRWAY, PROVIDE NEW 120V CIRCUIT TO SERVE EXISTING AND NEW STAIR LIGHTING FIXTURES.
  3. PROVIDE NEW EXIT SIGNS WITH EMERGENCY BACK-UP BATTERIES, IN EXISTING SPACES TO REMAIN. PROVIDE NEW CONNECTION TO EXISTING NEARBY CIRCUIT.
  4. LIGHTING CONTROLS HEAD END (LCP). PROVIDE SYSTEM WITH MULTIPLE RELAYS, TIME CLOCK ON/OFF ACTIVATION CAPABILITIES AND PRE-PROGRAMMED SCENES AS NEEDED BY KRL OPERATIONS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT. PROVIDE DEDICATED 120V CIRCUIT TO POWER LCP.
  5. PROVIDE PHOTOCELL FOR AUTOMATIC DIMMING OF FIXTURES IN DAYLIGHTING ZONES PER WSEC REQUIREMENTS. PRIMARY (SWITCHLEG a) AND SECONDARY (SWITCHLEG b) DAYLIGHT ZONES TO BE CONTROLLED SEPARATELY. PER CODE, UNLESS NOTED OTHERWISE.
  6. LUMINAIRES IN SMALL OFFICES WITH EXTERIOR GLAZING SHALL BE CONTROLLED TOGETHER ON THE PRIMARY DAYLIGHTING ZONE FOR ILLUMINATION UNIFORMITY.
  7. PROVIDE LOW-VOLTAGE SWITCH FOR AFTER HOURS MANUAL ACTIVATION OF LIGHTS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT.
  8. FIXTURES WITH SHADING INDICATE INTEGRAL BATTERY BACKUP FOR EMERGENCY EGRESS LIGHTING. IN ADDITION, PROVIDE EMERGENCY BYPASS RELAY TO ACTIVATE FIXTURES DURING NORMAL POWER LOSS REGARDLESS OF LCP PROGRAMMING.
  9. PROVIDE OCCUPANCY SENSOR IN THIS SPACE FOR AUTOMATIC CONTROL OF SWITCHED RECEPTACLES.
  10. PROVIDE MULTI-BUTTON SWITCH FOR PRE-PROGRAMMED SCENE ACTIVATION. SWITCH FUNCTION TO ACTIVATE PRESET SCENES ONCE LIGHTING LEVELS COMMISSIONING HAS BEEN SET.
  11. EXISTING EXTERIOR BREEZEWAY FIXTURES TO BE REPLACED WITH NEW LED FIXTURES. CONNECT TO EXISTING CIRCUIT AND CONNECT TO NEW EXTERIOR LIGHTING CONTROLS.
  12. PROVIDE EXTERIOR RATED LED TAPE FIXTURES FOR BACKLIGHTING NEW DECORATIVE METAL SLATS ON BUILDING FACADE. TAPE & EXTRUSION TO BE MOUNTED TO BOTTOM CHANNEL IN A CONTINUOUS RUN, AIMED UP ALONG BUILDING FACADE.
  13. MAIN ENTRY, LOBBY, AND LIBRARY MAIN FLOOR AREAS ARE TO BE AUTOMATICALLY CONTROLLED BY TIME CLOCK.



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**CKSD/ KRL**  
**9900 BUILDING RENOVATION**  
 3700 NW ANDERSON HILL RD  
 SILVERDALE, WA 98383

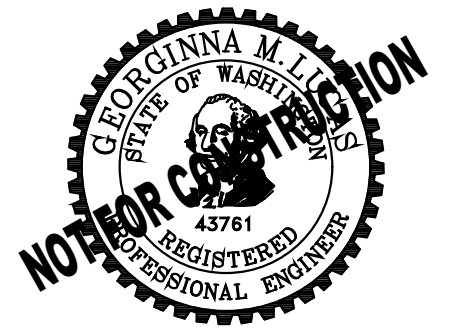
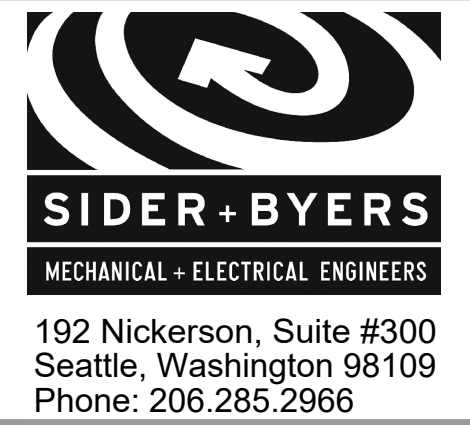
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## LEVEL 1 FLOOR PLAN - LIGHTING

SHEET #

## E31.12

**LEVEL 1 FLOOR PLAN - SOUTH - LIGHTING**  
SCALE: 1/8"=1'-0"



**CKSD/ KRL**  
**900 BUILDING RENOVATION**  
3700 NW ANDERSON HILL RD  
SILVERDALE, WA 98383

[illegible]

SHEET #

# E31.13



- FLAG NOTES** X:
1. PROVIDE NEW EMERGENCY BUG EYE FIXTURES IN UNMODIFIED EXISTING SPACES TO MEET EGRESS LIGHTING REQUIREMENTS.
  2. AT EXISTING STAIRWAY, PROVIDE NEW 120V CIRCUIT TO SERVE EXISTING AND NEW STAIR LIGHTING FIXTURES.
  3. PROVIDE NEW EXIT SIGNS WITH EMERGENCY BACK-UP BATTERIES, IN EXISTING SPACES TO REMAIN. PROVIDE NEW CONNECTION TO EXISTING NEARBY CIRCUIT.
  4. LIGHTING CONTROLS HEAD END (LCP). PROVIDE SYSTEM WITH MULTIPLE RELAYS, TIME CLOCK ON/OFF ACTIVATION CAPABILITIES AND PRE-PROGRAMMED SCENES AS NEEDED BY CKSD OPERATIONS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT. PROVIDE DEDICATED 120V CIRCUIT TO POWER LCP.
  5. PROVIDE PHOTOCELL FOR AUTOMATIC DIMMING OF FIXTURES IN DAYLIGHTING ZONES PER WSEC REQUIREMENTS. PRIMARY (SWITCHLEG a) AND SECONDARY (SWITCHLEG b) DAYLIGHT ZONES TO BE CONTROLLED SEPARATELY, PER CODE, UNLESS NOTED OTHERWISE.
  6. LUMINAIRES IN SMALL OFFICES WITH EXTERIOR GLAZING SHALL BE CONTROLLED TOGETHER ON THE PRIMARY DAYLIGHTING ZONE FOR ILLUMINATION UNIFORMITY.
  7. PROVIDE LOW-VOLTAGE SWITCH FOR AFTER HOURS MANUAL ACTIVATION OF LIGHTS. VERIFY EXACT LOCATION WITH ARCHITECT AND TENANT.
  8. FIXTURES WITH SHADING INDICATE INTEGRAL BATTERY BACKUP FOR EMERGENCY EGRESS LIGHTING. IN ADDITION, PROVIDE EMERGENCY BYPASS RELAY TO ACTIVATE FIXTURES DURING NORMAL POWER LOSS REGARDLESS OF LCP PROGRAMMING.
  9. PROVIDE OCCUPANCY SENSOR IN THIS SPACE FOR AUTOMATIC CONTROL OF SWITCHED RECEPTACLES.
  10. PROVIDE MULTI-BUTTON SWITCH FOR PRE-PROGRAMMED SCENE ACTIVATION. SWITCH FUNCTION TO ACTIVATE PRESET SCENES ONCE LIGHTING LEVELS COMMISSIONING HAS BEEN SET.
  11. EXISTING EXTERIOR BREEZEWAY FIXTURES TO BE REPLACED WITH NEW LED FIXTURES. CONNECT TO EXISTING CIRCUIT AND CONNECT TO NEW EXTERIOR LIGHTING CONTROLS.
  12. PROVIDE EXTERIOR RATED LED TAPE FIXTURES FOR BACKLIGHTING NEW DECORATIVE METAL SLATS ON BUILDING FACADE. TAPE & EXTRUSION TO BE MOUNTED TO BOTTOM CHANNEL IN A CONTINUOUS RUN, AIMED UP ALONG BUILDING FACADE.
  13. 2ND FLOOR HALLWAYS AND OPEN OFFICE AREAS ARE TO HAVE AUTOMATIC CONTROL BY TIME CLOCK OPERATION. IN OPEN OFFICES, LOCAL SWITCHES ARE PROVIDED FOR MANUAL ON/OFF ACTIVATION OF LOCAL FIXTURE GROUPINGS.

**LEVEL 2 FLOOR PLAN - SOUTH - LIGHTING**  
**SCALE: 1/8"=1'-0"**