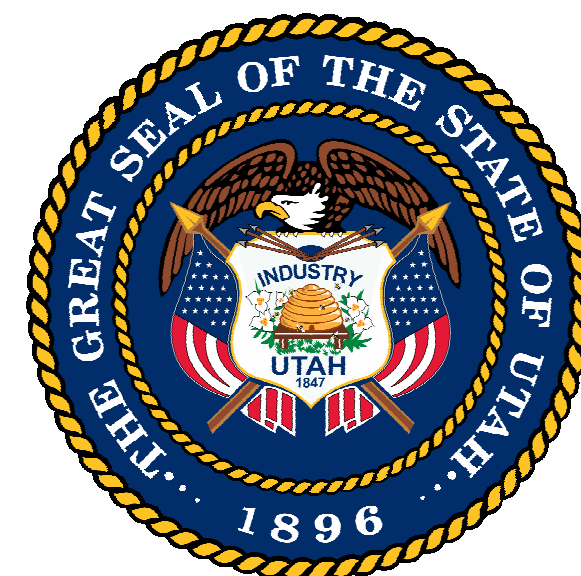


OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

AUGUST 17, 2020
CONSTRUCTION BID SET




STATE OF UTAH
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4315 South 2700 West, Floor 3 | Salt Lake city, UT 84129 / www.dfcu.utah.gov

DFCM PROJECT NO. 20419520

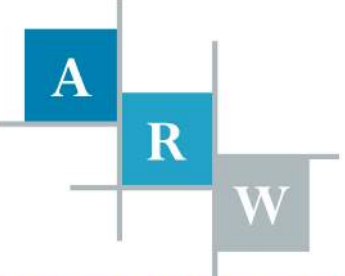
CIVIL ENGINEER



Entellus™
ENTELLUS

1470 SOUTH 600 WEST / WOODS CROSS, UTAH 84087 /
801.298.2236 / www.entellus.com

STRUCTURAL ENGINEER




ARW ENGINEERS
structural consultants

1594 W. Park Cir. Ogden, Utah 84404
ph: 801.782.6008 fx: 801.782.4936

ARW ENGINEERS

1594 PARK CIRCLE / OGDEN, UTAH 84404 /
801.782.6008 / www.arw-engineers.com

LANDSCAPE ARCHITECT



GREAT BASIN ENGINEERING INC.

5746 SOUTH 1475 EAST / OGDEN, UTAH 84403 /
801.394.4515 / www.greatbasinengineering.com


FOOD SERVICES



JEDRZIEWSKI DESIGNS

1537 EAST YALE AVE. / SALT LAKE CITY, UTAH 84105
801.582.9747 / www.jedrzenskidesigns.com

MECHANICAL ENGINEER



WHW ENGINEERING INC

8619 SOUTH SANDY PARKWAY #101 / SANDY, UTAH 84070
801466.4021 / www.whw-engineering.com

ELECTRICAL ENGINEER



ENVISION ENGINEERING


244 WEST 300 NORTH #100 / SALT LAKE CITY, UTAH
84103 801.534.1130 / http://www.envisioneng.com

ARCHITECT'S INFORMATION:



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www.spe-architect.com

PROFESSIONAL STAMP:



CODE OFFICIAL STAMP:



PROJECT NAME:

**OGDEN BAY
WMA OFFICE BUILDING**

4786 S 7500 W, HOOPER, UT 84315

REVISIONS:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #: 20419520
SPE PROJECT #: 19-55
DRAWN BY: GTE
CHECKED BY: SPE
DESIGNED BY: SPE
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SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
GI-001

GENERAL NOTES

- THE CONTRACTOR IS TO THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXTENT OF WORK AND COORDINATE ALL TRADES.
- ALL DIMENSIONS ARE TO BE FIELD VERIFIED - ANY VARIATIONS IN DIMENSIONS ARE TO BE REVIEWED WITH THE ARCHITECT.
- WHERE EXISTING WALLS ARE REMOVED PATCH REMAINING WALLS AS REQUIRED FOR FLUSH FINISHED APPEARANCE.
- THIS CONTRACTOR IS RESPONSIBLE FOR PATCHING/REPAIRING ALL IMPERFECTIONS IN ALL NEW AND EXISTING WALLS AFFECTED BY THIS CONTRACT, INCLUDING HOLES, DENTS, BUMPS WAVES ETC. IT IS THE CONTRACTORS RESPONSIBILITY TO VISIT THE JOB SITE PRIOR TO BIDDING AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL SUCH WORK, THAT WILL BE REQUIRED.
- CORRIDORS SHALL NOT BE USED FOR STORAGE OF MATERIALS OR STAGING OF THE WORK.
- PATCH AND REPAIR WALLS AT OUTLETS AND AT OTHER OPENINGS REQUIRED BY THIS REMODELING.
- PROTECT EXTG. FINISHES FROM DAMAGE.
- DO NOT SCALE DRAWINGS. STATED & WRITTEN DIMENSIONS GOVERN. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL BE RESPONSIBLE FOR THEIR ACCURACY. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED BECAUSE OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THOSE INDICATED ON THE DRAWINGS, UNLESS THEY CONTRIBUTE TO A CHANGE IN THE SCOPE OF THE WORK. ANY DIFFERENCE WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR DECISION PRIOR TO ORDERING, MANUFACTURING, OR PROCEEDING WITH THE WORK. HORIZONTAL DIMENSIONS INDICATED ARE TO/FROM FACE OF FINISH, UNLESS NOTED OTHERWISE. VERTICAL DIMENSIONS ARE FROM TOP OF FLOOR SLAB EXCEPT WHERE NOTED TO BE ABOVE FINISHED FLOOR (AFF). DIMENSIONS ARE NOT ADJUSTABLE WITHOUT A APPROVAL OF ARCHITECT UNLESS NOTED "+/-".
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL WORK REGARDLESS OF THE LOCATION OF THE INFORMATION IN THE DOCUMENTS. THE GENERAL CONTRACTOR SHALL UTILIZE THE CONSTRUCTION DRAWINGS AND WRITTEN SPECIFICATIONS FOR ALL REQUIRED INFORMATION TO PROVIDE COMPLETE CONSTRUCTION OF THIS PROJECT. ITEMS LISTED IN DRAWINGS MAY NOT BE INCLUDED IN SPECIFICATIONS. ITEMS LISTED IN SPECIFICATIONS MAY NOT BE INCLUDED IN DRAWINGS.
- DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS ARE NOT INTENDED. THE GENERAL CONTRACTOR IS TO CLARIFY WITH THE ARCHITECT ANY SUCH DISCREPANCIES PRIOR TO COMMENCING WORK.
- THE CONTRACTOR IS TO PROVIDE DUST WALL AS REQUIRED TO PERFORM NEW WORK - COORDINATE LOCATION OF DUST WALLS WITH OWNER.
- CONTRACTOR'S STAGING AREA IS TO BE PROVIDED WITH A SECURE, LOCKED, 6'-0" (PER IBC 3306) TALL TEMPORARY CHAIN LINK FENCE. STAGING AREA SHALL NOT BLOCK DOORS, DOCKS, SIDEWALKS ETC. ALL GAPS IN FENCE TO BE MAINTAINED LESS THAN 4". REMOVE AND SECURE ALL LADDERS AT THE END OF EACH DAY. DUMPSTER MUST BE KEPT IN LOCKED FENCED AREA. COORDINATE LOCATION OF STAGING WITH OWNER.

ABBREVIATIONS

@	at	EA	each	JAN	janitor	RM	room
ABV	above	EIFS	exterior insulation & finish system	JST	joist	RO	rough opening
ACOUS	acoustical	ELEC	electrical	JT	joint	RTU	root top unit (mechanical)
ACT	acoustical ceiling tile	ELEV	elevation	LAM	laminare	S	south
AD	area drain	EMER	emergency	LAV	lavatory	SAFB	sound attenuation fiber batt
ADJ	adjustable	ENCL	enclosure	LB(S)	pounds	SC	scupper
AFF	above finished floor	EOS	edge of slab	LDG	landing	SCHED	schedule
ALT	alternate	EQ	equal	LT	light	SEAL	sealant
ALUM	aluminum	EQUIP	equipment	MAX	maximum	SECT	section
APPROX	approximate	ETR	existing to remain	MECH	mechanical	SF	square foot
ARCH	architect	EW	each way	MEMB	membrane	SHT	sheet
B.O.	bottom of	EW	electric water cooler	MFR	manufacturer	SIM	similar
BALC	balcony	EXP. JT.	expansion joint	MIN	minimum	SPEC	specification
BD	board	EXTG.	existing	MISC	miscellaneous	SQ	square
BET	between	F.O.	face of	MO	masonry opening	SS	stainless steel
BLDG	building	FA	fire alarm	MTD	mounted	STD	standard
BLKG	blocking	FAP	fire annunciator panel	MTL	metal	STL	steel
BLW	below	FD	floor drain	NEW	new	STOR	storage
BM	beam	FE	fire extinguisher	N	north	STRUCT	structural
BOT	bottom	FEC	fire extinguisher cabinet	NIC	not in contract	SUSP	suspended
BRKT	bracket	FG	fire hydrant	NO	number	SYM	symmetrical
BULKHD	bulkhead	FH	fire hose cabinet	NOM	nominal	T	tread
BUR	built up roof	FIN	finish	NTS	not to scale	T&G	tongue & groove
C.G.	corner guard	FLR	floor	O.P.	overflow pipe	TEL	telephone
CAB	cabinet	FLUOR	fluorescent	OA	overall	TER	terrazzo
CALK	caulking	FT	foot or feet	OC	on center	THK	thick
CEM	cement	FUR	furring	OD	outside diameter	THR	threshold
CER	ceramic	FV	field verify	OFF	office	TO	top of
CJ	control joint	GAL	gallon	OH	opposite hand	TOM	top of masonry
CLG	ceiling	GALV	galvanized	OPG	opening	TYP	typical
CLOS	closet	GB	grab bar	OPP	opposite	UC	undercut
CLR	clear	GC	general contractor	PART	partition	UNFIN	unfinished
CO	cased opening	GL	glass	PERM	perimeter	UNO	unless noted otherwise
COL	column	GND	ground	PLAM	plastic laminate	UON	unless otherwise noted
CONC	concrete	GWB	gypsum board	PLYWD	plywood	UTIL	utility
CONT	continuous	GYP	gypsum	PLAS	plaster	VCT	vinyl composition tile
CPT	carpet	H.W.H.	hot water heater	PR	pair	VERT	vertical
CTR	ceramic tile center	HC	handicapped	PT	paint	VIF	verify in field
DBL	double	HDWD	hardwood	PTD	pointed	VTR	vent termination pipe
DET	detail	HM	hollow metal	R	riser	W	west
DIA	diameter	HORIZ	horizontal	RAD	radius	W/	with
DIM	dimension	HR	hour	RCP	reflected ceiling plan	W/O	without
DN	down	HT	height	RD	roof drain	WC	water closet
DR	door	ID	inner diameter	RE	refer	WIN	window
DS	down spout	INCAN	incandescent	REF	refrigerator	WP	waterproof
DW	dishwasher	INSUL	insulation	REINF	reinforced	WS	wet stack
DWG	drawing	INT	interior	REQD	required	WSCT	wainscot
DWG Ø	diameter			RESIL	resilient	WT	weight
(E)	existing						
E	east						

DRAWING INDEX

SHT. #	DRAWING TITLE	SHT. #	DRAWING TITLE
GI-001	TITLE SHEET	FS-101	FOOD SERVICE EQUIPMENT PLANS
GI-002	GENERAL INFORMATION	FS-102	FOOD SERVICE EQUIPMENT PLUMBING & ELEC. REQUIREMENT PLANS
GI-003	CODE COMPLIANCE INFORMATION		
GI-004	DCFM FORMS		
GI-005	ADA GENERAL REQUIREMENTS		
	CIVIL:	MG001	MECHANICAL GENERAL NOTES AND LEGENDS
CE-101	NOTES	M101	LEVEL 1 MECHANICAL PLAN
CE-102	TOPOGRAPHICAL SURVEY	M102	MECHANICAL ROOF PLAN
CE-103	SITE PLAN	M501	MECHANICAL DETAILS
CE-104	GRADING PLAN	M601	MECHANICAL SCHEDULES
CE-105	UTILITY PLAN	M801	MECHANICAL ISOMETRICS
CE-106	DETAILS	PG001	PLUMBING GENERAL NOTES AND LEGEND
CE-104	EROSION CONTROL	P100	OVERALL PLUMBING PLAN
	LANDSCAPE:	P101	LEVEL 1 PLUMBING PLAN
LI-101	IRRIGATION PLAN	P102	ROOF PLUMBING PLAN
LI-501	IRRIGATION DETAILS	P401	ENLARGED PLUMBING
LP-101	LANDSCAPE PLAN	P501	PLUMBING DETAILS
	STRUCTURAL:	P502	PLUMBING SCHEDULES
S001	STRUCTURAL NOTES	P601	PLUMBING ISOMETRICS
S002	STRUCTURAL NOTES	EG001	GENERAL NOTES AND SYMBOLS LISTS
S003	SCHEDULES	ED101	DEMOLITION SITE PLAN
S004	SCHEDULES	ED102	LEVEL 1 DEMOLITION PLAN - ELECTRICAL
S101	FOOTING AND FOUNDATION PLAN	ED701	DEMOLITION ONE LINE DIAGRAM - POWER
S102	ROOF FRAMING PLAN	ES101	SITE PLAN - ELECTRICAL
S201	DETAILS	EP101	SITE DETAILS
S202	DETAILS	EL101	LEVEL 1 REFLECTED CEILING PLAN - LIGHTING
S203	DETAILS	EL502	LIGHTING DETAILS
S204	DETAILS	EL601	LIGHT FIXTURE SCHEDULE
S205	DETAILS	EP101	LEVEL 1 FLOOR PLAN - POWER
	ARCHITECTURAL:	EP401	ENLARGED POWER PLAN
AS-101	SITE PLAN	EP402	ENLARGED POWER PLAN - CONFERENCE ROOM
AD-101	DEMOLITION PLAN	EP501	POWER DETAILS
AE-101	FLOOR PLAN	EP502	TELECOM DETAILS
AE-102	ROOF PLAN	EP503	TELECOM RISER DIAGRAM
AE-103	REFLECTED CEILING PLAN	EP701	ONE-LINE DIAGRAM - POWER
AE-201	EXTERIOR ELEVATIONS	EP801	PANEL SCHEDULES
AE-202	INTERIOR ELEVATIONS	EY101	LEVEL 1 REFLECTED CEILING PLAN - SYSTEMS
AE-203	BUILDING SECTIONS	EY501	SYSTEM DETAILS
AE-302	BUILDING SECTIONS	XE101	WMA OFFICE AV PLANS
AE-303	WALL SECTIONS	XE501	AUDIO VISUAL DETAILS
AE-304	WALL SECTIONS	XE701	AUDIO VISUAL RISER AND EQUIPMENT LIST
AE-305	WALL SECTIONS		
AE-306	WALL SECTIONS		
AE-307	WALL SECTIONS		
AE-401	ENLARGED PLANS		
AE-501	DETAILS		
AE-502	DETAILS		
AE-503	DETAILS		
AE-504	DETAILS		
AE-505	DETAILS		
AE-506	DETAILS		
AE-507	DETAILS		
AE-601	FINISH / DOOR & WINDOW SCHEDULES		
AE-901	IMAGES		
AE-902	IMAGES		

DRAWING INDEX

SHT. #	DRAWING TITLE
FS-101	FOOD SERVICE EQUIPMENT PLANS
FS-102	FOOD SERVICE EQUIPMENT PLUMBING & ELEC. REQUIREMENT PLANS
	MECHANICAL:
MG001	MECHANICAL GENERAL NOTES AND LEGENDS
M101	LEVEL 1 MECHANICAL PLAN
M102	MECHANICAL ROOF PLAN
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES
M801	MECHANICAL ISOMETRICS
PG001	PLUMBING GENERAL NOTES AND LEGEND
P100	OVERALL PLUMBING PLAN
P101	LEVEL 1 PLUMBING PLAN
P102	ROOF PLUMBING PLAN
P401	ENLARGED PLUMBING
P501	PLUMBING DETAILS
P502	PLUMBING SCHEDULES
P601	PLUMBING ISOMETRICS
	ELECTRICAL:
EG001	GENERAL NOTES AND SYMBOLS LISTS
ED101	DEMOLITION SITE PLAN
ED102	LEVEL 1 DEMOLITION PLAN - ELECTRICAL
ED701	DEMOLITION ONE LINE DIAGRAM - POWER
ES101	SITE PLAN - ELECTRICAL
EP101	SITE DETAILS
EL101	LEVEL 1 REFLECTED CEILING PLAN - LIGHTING
EL502	LIGHTING DETAILS
EL601	LIGHT FIXTURE SCHEDULE
EP101	LEVEL 1 FLOOR PLAN - POWER
EP401	ENLARGED POWER PLAN
EP402	ENLARGED POWER PLAN - CONFERENCE ROOM
EP501	POWER DETAILS
EP502	TELECOM DETAILS
EP503	TELECOM RISER DIAGRAM
EP701	ONE-LINE DIAGRAM - POWER
EP801	PANEL SCHEDULES
EY101	LEVEL 1 REFLECTED CEILING PLAN - SYSTEMS
EY501	SYSTEM DETAILS
XE101	WMA OFFICE AV PLANS
XE501	AUDIO VISUAL DETAILS
XE701	AUDIO VISUAL RISER AND EQUIPMENT LIST

MATERIALS

	EARTH
	STRUCTURAL FILL
	CMU MASONRY
	BRICK MASONRY
	CONCRETE
	GRAVEL
	STEEL
	ALUMINUM
	RIGID INSULATION
	BATT INSULATION
	PLYWOOD
	PARTICLEBOARD
	GYPSUM BOARD
	ASPHALT PAVING
	WOOD (STUDS / NAILERS)
	WOOD (BLOCKING)
	WOOD

GRAPHIC SYMBOLS

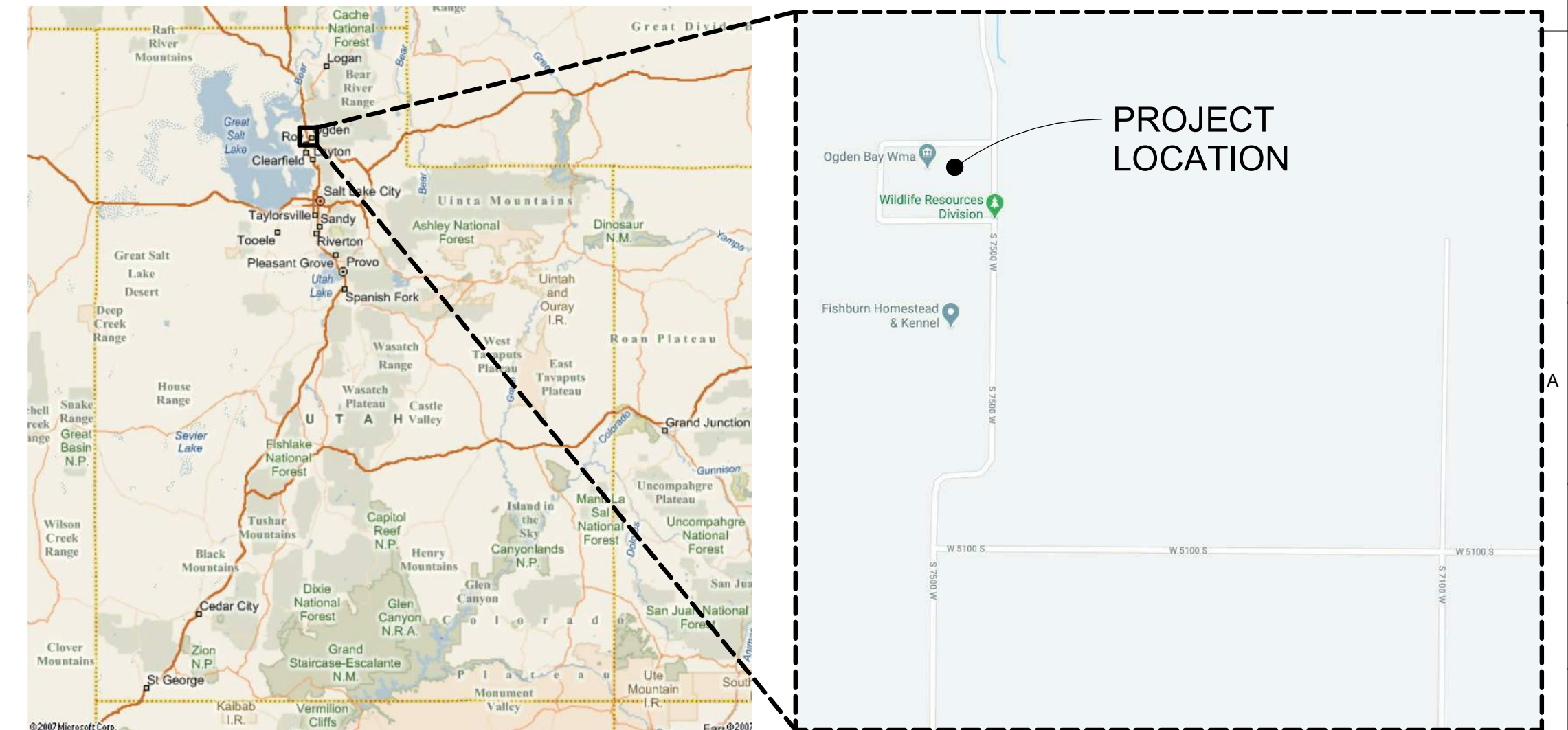
	ROOM NAME
	ROOM NUMBER
	ROOM SQ. FT. (WHERE OCCURS)
	DETAIL CALLOUT
	BUILDING SECTION
	WALL SECTION
	DETAIL SECTION
	DRAWING REVISION
	REVISION NUMBER
	NORTH ARROW
	GRID REFERENCE
	CENTER LINE
	CEILING HEIGHT
	VERTICAL ELEVATION
	SPOT ELEVATION
	DOOR NUMBER
	WALL TYPE
	WINDOW TYPE
	KEYED NOTE
	KEYED NOTE
	GLASS TYPE

DEFERRED SUBMITTALS

For the purpose of this section, deferred submittals are defined as per section 107.3.4.1 of the IBC. Submittal documents for deferred submittal items shall be submitted to the engineer/architect for their review for general conformance with the design of the building. After submittals are reviewed for general conformance by the architect and engineer of record, deferred submittals must be submitted to the building official for approval and that deferred items are not to be installed until approved by the building official (see IBC 107.3.4.1). Deferred submittals for this project are:

ITEM #	DESCRIPTION	EXPECTED 3 WEEKS AFTER BID HAS BEEN AWARDED.
ITEM #1	FIRE ALARM	EXPECTED 3 WEEKS AFTER BID HAS BEEN AWARDED.
ITEM #2	ICC REPORT FOR THE SINGLE PLY ROOFING SYSTEM.	EXPECTED 3 WEEKS AFTER BID HAS BEEN AWARDED.
ITEM #3	NON-STRUCTURAL COMPONENT SEISMIC BRACING AS INDICATED ON G104	EXPECTED 3 WEEKS AFTER BID HAS BEEN AWARDED.

PROJECT LOCATION



ARCHITECT'S INFORMATION

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P.O. Box 517
Kaysville, Utah 84037
T 801.298.1368
info@spe-architect.com
www.spe-architect.com

PROFESSIONAL STAMP

CODE OFFICIAL STAMP

PROJECT NAME

OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #: 20419520
SPE PROJECT #: 19-55
DRAWN BY: GTE
CHECKED BY: SPE
DESIGNED BY: SPE

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SHEET TITLE

GENERAL INFORMATION

SHEET NUMBER

GI-002

CODE ANALYSIS

APPLICABLE CODES	
Code	Year
International Building Code	2018
International Mechanical Code	2018
International Plumbing Code	2018
International Fire Code	2018
International Energy Conservation Code	2018
National Electrical Code	2017
Uniform Code for Building Conservation	N.A.
ADA Accessibility Guidelines	2010 ADAG 2009 ANSI 117.1

- A. Occupancy and Group: **B**
- Change in Use: Yes No Mixed Occupancy: Yes No
 Special Use and Occupancy (e.g. High Rise, Covered Mail): _____
- B. Seismic Design Category: **D** Design Wind Speed: **90** mph
- C. Type of Construction (circle one):
 I A I B II A II B III A III B IV HT V A **V B**
- D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
 North: **0** South: **0** East: **0** West: **0**
- E. Mixed Occupancies: _____ Nonseparated Uses: **NO**
- F. Sprinklers:
 Required: **NO** Provided: **NO** Type of Sprinkler System: **N/A**
- G. Number of Stories: **1** Building Height: **19'**
- H. Actual Area per Floor (square feet): **5,905**
- I. Tabular Area: **9,000**
- J. Area Modifications: **N.A.**
- K. Fire Resistance Rating Requirements for Building Elements (hours).
- | Element | Hours | Assembly Listing | Element | Hours | Assembly Listing |
|----------------------------|-------|------------------|----------------------------|-------|------------------|
| Exterior Bearing Walls | 0 | | Floors - Ceiling Floors | 0 | |
| Interior Bearing Walls | 0 | | Roofs - Ceiling Roofs | 0 | |
| Exterior Non-Bearing Walls | 0 | | Exterior Doors and Windows | 0 | |
| Structural Frame | 0 | | Shaft Enclosures | N.A. | |
| Partitions - Permanent | 0 | | Fire Walls | N.A. | |
| Fire Barriers | 0 | | Fire Partitions | N.A. | |
| | | | Smoke Partitions | N.A. | |
- L. Design Occupant Load: **80**
 Exit Width Required: **16"** Exit Width Provided: **72"**
- M. Minimum Number of Required Plumbing Facilities:
 a) Water Closets - Required (m) **2** (f) **2** Provided (m) **3** (f) **2**
 b) Lavatories - Required (m) **1** (f) **1*** Provided (m) **2** (f) **2**
 c) Bath Tubs or Showers: **N.A.**
 d) Drinking Fountains: **1** Service Sinks: **1**

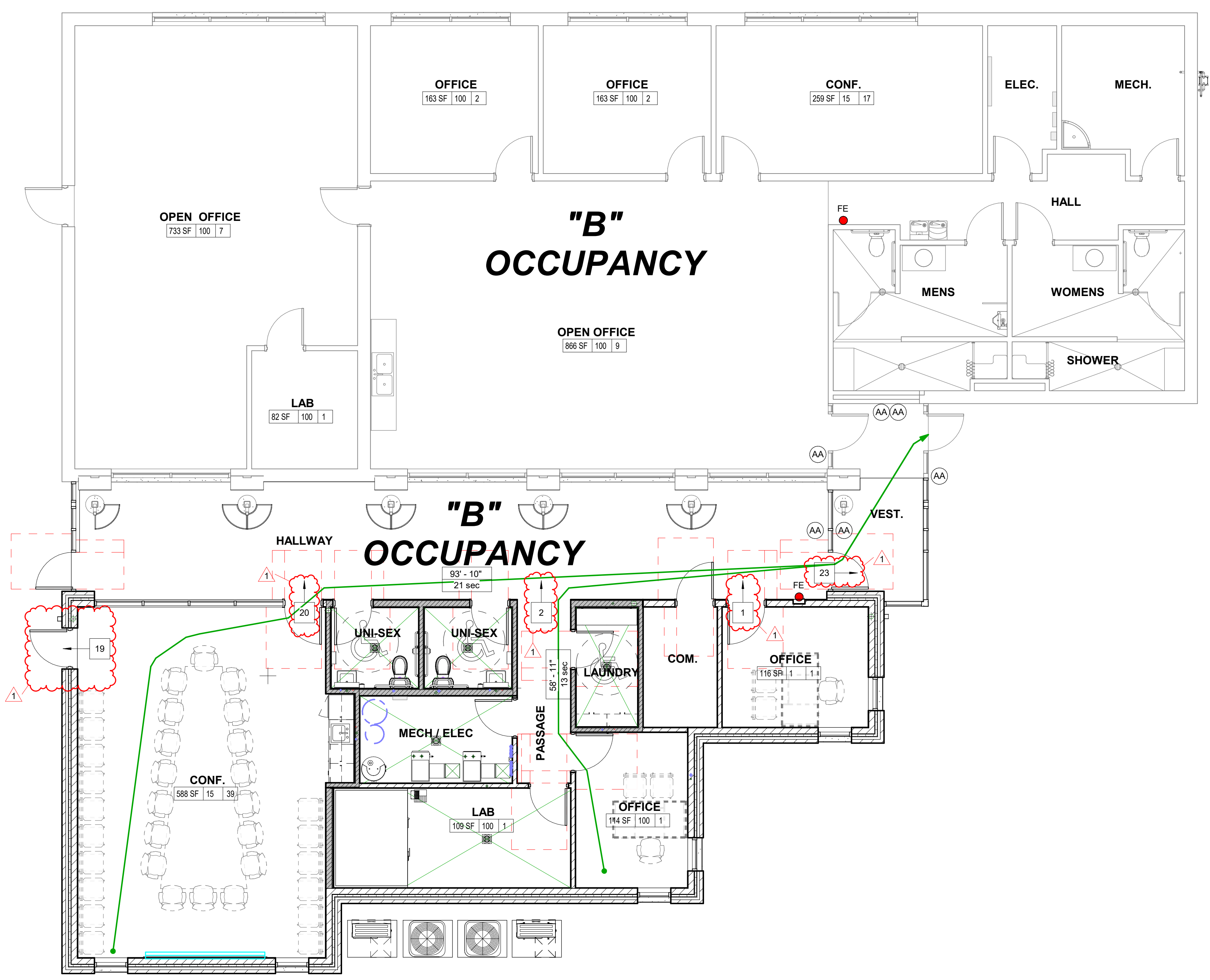
- FOOTNOTES:
- In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
 - Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
 - High Rise Requirements.
 - Atriums.
 - Performance Based Criteria.
 - Means or Egress Analysis.
 - Fire Assembly Locator Sheet.
 - Exterior and Interior Accessibility Route.
 - Fire Stopping, Including Tested Design Number.

OCCUPANCY & EXITING LEGEND

ROOM NAME
 ### SF ### ##
 # OF OCCUPANTS
 SQUARE FOOTAGE PER OCCUPANT
 SQUARE FOOTAGE OF ROOM

- ### TRAVEL DISTANCE
 ## sec TRAVEL TIME

AA = AUTOMATIC DOOR OPERATOR
 FE FIRE EXTINGUISHER - SEE AE-101& AE-102 FOR TYPES
 [Red dashed box] REQUIRED SPACE FOR DOOR LANDINGS
 [Red dashed box with #] NUMBER OF OCCUPANTS EXITING A SPACE



A1 LEVEL 1 - CODE
 3/16" = 1'-0"

ARCHITECT'S INFORMATION

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PROFESSIONAL STAMP

CODE OFFICIAL STAMP

PROJECT NAME:

OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/30/2020	CODE REVIEW REVISION

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #: 20419520
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 DRAWN BY: GTE
 CHECKED BY: SPE
 DESIGNED BY: SPE

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SHEET TITLE:

CODE COMPLIANCE INFORMATION

SHEET NUMBER:
GI-003

Last Plotted: 9/12/2020 9:45:32 AM

410 State Office Building Salt Lake City, Utah 84114 Phone: (801) 538-3018 Website: http://dcfm.utah.gov/

Special Inspection, Material Testing & Structural Observation Items Required by Chapter 17 of the 2018 IBC

Indicate items requiring special inspection, structural testing, or structural observations by checking the appropriate box. All items not requiring inspection/testing should be removed from the form. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases "periodic" inspections shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. The "Detailed Inspections & Frequency" provides a description of the presumed requirements for tasks requiring "periodic" inspections. The design professional in responsible charge should revise the requirements as needed for a project-specific basis.

FABRICATORS (IBC 1704.2.2 & 1705.10)

Fabricator Name:	
Fabrication plant location:	
Required In-plant Inspections:	Steel Construction <input type="checkbox"/> Cold-formed Construction <input type="checkbox"/> Other <input type="checkbox"/>

STRUCTURAL STEEL (IBC 1705.2.1, 1705.12.1 & 1705.13.1)

Item *Detailed Inspections and Frequencies*

Prior to welding (TABLE 554.4, AISC 308-10):	Verify welding procedures (WPS) and consumable certificates <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify type and grade of material <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Welding identification <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Welder identification <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	A system shall be maintained by which a welder who has welded a joint or member can be identified. Verify joint preparation, dimensions, cleanliness, testing, and tracking <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Access holes <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Welding of fillet welds <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify alignment, gaps, root, cleanliness of steel surfaces, and tack weld quality and location <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
During welding (TABLE 554.2, AISC 308-10):	Use of qualified welders <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that welds are appropriately qualified <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Control and handling of welding consumables <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Cracked task welds <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that welding does not occur over cracked task welds <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Environmental conditions <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	WPS followed <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that WPS is used in accordance with approved welding equipment, and that WPS is maintained, and properly updated <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Welding techniques <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>		Verify proper and final cleaning, each pass is within profile, dimensions, and results of each pass <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

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Floor and roof mechanical fixtures <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Visual inspection to confirm fasteners are installed per SDI, C, SDI, SDI RD and manufacturer's instructions <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Steel deck installation <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that steel deck is installed per the approved construction documents, installation drawings, shop drawings and applicable reference standards <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
OPEN WEB STEEL JOISTS AND JOIST GIRDERS (IBC TABLE 1705.2.2.2)	
End connections - welded or bolted <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Visual inspection to confirm that end connections conform to the approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Bridging - horizontal or diagonal <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Visual inspection to confirm that bridging is provided per the approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
COLD-FORMED STEEL CONSTRUCTION (IBC 1705.2.2.1, 1705.10.1, and 1705.13.1)	
Trusses spanning > 60-feet <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that temporary and permanent truss bracing is installed in accordance with approved truss package. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Wind force-resisting system of seismic-force-resisting system <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Periodic inspection of welding operations. If truss spacing is 4'-6" or less, verify that proper screw attachment, bolting, anchoring and other fastening of steel walls, diaphragms, drag struts, braces, shear plates and hold-downs has occurred. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Cold-formed steel special bolted moment frame <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Visual inspection during installation cold-formed moment frames located in Seismic Design Category "D-F" <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

CONCRETE CONSTRUCTION (IBC 1705.3 & 1705.12.1)

Item *Detailed Inspections and Frequencies*

Reinforcing steel, including prestressing tendons <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify prior to placing concrete that reinforcing is specified in the approved plans and shop drawings and that it is located and spaced properly. Verify that hooks, bends, and lap splices meet the requirements of the approved plans and shop drawings. Verify that all mechanical connections are installed per the manufacturer's instructions <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Welding of reinforcing steel <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Visually inspect all welds and also verify weldability of reinforcing steel based upon carbon equivalent and in accordance with AWS D1.1 <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Cast-in bolts & anchors <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Inspection of anchors or embeds cast in concrete is required. Verify that anchors have been increased or their strength design is used <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Pre-embedded anchors or dowels <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that anchors have been installed in accordance with approved plans and shop drawings. Verify that anchors have been installed in accordance with approved plans and shop drawings. Verify that anchors have been installed in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Use of required mix design <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that all mix design is in accordance with approved construction documents. ACI 318, CH. 19, 20.4.3, 20.4.4 and IBC 1705.3.1, 1705.3.2, 1705.3.3, 1705.3.4 <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

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Placement of mortar for bonded tendons in compliance <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that mortar is placed in accordance with Article 3.3.1.8 of TMS-602 <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Placement of AAC masonry units and construction of thin-bed mortar joints <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that mortar is placed in accordance with Article 3.3.1.8 of TMS-602 <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Observation of grout placement, mortar specimens, and/or prism <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Confirm that specimens are performed as required by Article 1.4 of TMS-602. Continuous inspection is required for Risk Category II buildings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
MINIMUM TESTING:	
Verification of Slump Flow and Visual Stability Index (VSI) for self-consolidating grout <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Compressive strength tests should be performed in accordance with ASTM C 1019 for slump flow and ASTM C 143 for VSI <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Verification of f_{cm} and $f_{c,sp}$ <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Determine the compressive strength for each cylinder by the "split strength method" as specified in Article 1.4.1.8 of TMS 602 prior to construction. For Risk Category II buildings this should be verified every 1,000 yd ³ of concrete <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Verification of proportions of materials in precast or pre-bled mortar and grout <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that proportions for mortar meet ASTM C 270 and proportions for grout meet ASTM C 770. This applies to Risk Category II buildings only <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

WOOD CONSTRUCTION (IBC 1705.5.1.1 & 1705.12.1)

Item *Detailed Inspections and Frequencies*

High-load diaphragms <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify thickness and grade of sheathing, size of framing members in panel edges, nail/screw diameter and length, and the number of fastener lines and fastener spacing per approved plans. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Wood mases spanning > 60-feet <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that temporary and permanent truss bracing is installed in accordance with approved truss package. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Structural wood <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that temporary and permanent truss bracing is installed in accordance with approved truss package. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

SOILS CONSTRUCTION (IBC 1705.6)

Item *Detailed Inspections and Frequencies*

Verify subgrade is adequate to achieve design bearing capacity <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Prior to placement of compacted fill or concrete <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Verify excavation extent to proper depth and material <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Prior to placement of compacted fill or concrete <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Verify that subgrade has been suitably prepared prior to placement of compacted fill <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Prior to placement of compacted fill or concrete <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Perform classification and testing of compacted fill materials <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	All materials shall be checked at each lift for proper classification and gradation not less than once for each 10,000 yd ³ of surface area <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

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ARCHITECTURAL COMPONENTS (IBC 1705.12.5)

Item *Detailed Inspections and Frequencies*

Exterior and finishing of exterior masonry walls <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify appropriate materials, fasteners and attachment at commencement of work and at completion. Perform by code inspection item. (Not required if < 30 feet of less than 30ft) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Exterior and finishing of exterior and exterior nonbearing walls <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify appropriate materials, fasteners and attachment at commencement of work and at completion. Perform by code inspection item. (Not required if < 30 feet for interior walls < 10ft) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Access floors <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that anchorage complies with approved construction documents. Inspection of post-installed anchors shall comply with approved ICC-ES report. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Storage racks <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that anchorage complies with approved construction documents. Inspection of post-installed anchors shall comply with approved ICC-ES report. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

MECHANICAL & ELECTRICAL COMPONENTS (IBC 1705.12.4, 1705.12.6 & 1705.13.2)

Item *Detailed Inspections and Frequencies*

Exchange of emergency stop <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that anchorage complies with approved construction documents. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Installation of piping systems carrying flammable, combustible or highly toxic materials <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that installation and restraint comply with approved construction documents. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Installation of HVAC ductwork containing hazardous materials <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that installation and restraint comply with approved construction documents. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Installation of vibration isolation systems having a clearance of 5/16" <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that installation complies with approved construction documents and manufacturer's recommendations. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Designated seismic systems <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Confirm that manufacturer's certificate of compliance conforms to the requirements of Section 1.3.2 of ASCE 10. Verify that the label, anchorage or securing conforms to the manufacturer's certificate of compliance. Perform by code inspection item <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

SEISMICALLY ISOLATED STRUCTURES (IBC 1705.12.8 & 1705.13.4)

Item *Detailed Inspections and Frequencies*

Prototype tests <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Prototype tests shall be performed on selected samples prior to construction in accordance with Section 17.8 of ASCE 10 <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Fabrication and installation <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that fabrication and installation of isolator units and energy dissipation devices conform to manufacturer's recommendations and approved construction documents <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

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STRUCTURAL OBSERVATIONS (IBC 1704.6)

Item *Detailed Inspections and Frequencies*

Floors & Piers <input type="checkbox"/> Required <input type="checkbox"/>	Prior to FIRST POUR <input type="checkbox"/>	Required <input type="checkbox"/>	Name of Structural Observer
Mat Foundations <input type="checkbox"/> Required <input type="checkbox"/>	Prior to FIRST POUR <input type="checkbox"/>	Required <input type="checkbox"/>	JEREMY ACHTER, S.E.
Deep Foundations <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Grade Beams <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Concrete Walls <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Masonry Walls <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Wood Walls <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Steel Moment Frames <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Steel Braced Frames <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Concrete Moment Frames <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Steel Deck Diaphragms <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Wood Diaphragms <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Post-tensioned Deck <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Other: <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Other: <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	
Other: <input type="checkbox"/> Required <input type="checkbox"/>		Required <input type="checkbox"/>	

Structural Observer's Seal:

- Provide proof of licensure as a licensed professional structural engineer by the State of Utah.
- If structural observations are performed by individuals other than the design professional in responsible charge, they should first be approved by the Building Official.
- At the conclusion of work a final structural observation report must be submitted to the Building Official noting any deficiencies which, to the best of the structural observer's knowledge, have not been resolved (see IBC 1704.6).

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AFTER WELDING (TABLE 554.3, AISC 308-10)

Welds cleaned <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that welds have been properly cleaned <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Size, length, and location of welds <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that welds are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Welds meet visual acceptance criteria <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that welds are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Repair activities <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that repair activities are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Document acceptance or rejection of welded joint/member <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that acceptance or rejection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

NONDESTRUCTIVE TESTING SECTION 555, AISC 308-10

CIP welds (Risk Cat. II) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Ultrasonic testing shall be performed on 10% of CIP grout welds in butt, T, and corner joints subject to minimums specified in Section 555.4. Ultrasonic testing shall be performed on 10% of grout welds in butt, T, and corner joints subject to minimums specified in Section 555.4. A reduction in the rate of ultrasonic testing is allowed per Section 555.6 <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
CIP welds (Risk Cat. III or IV) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Ultrasonic testing shall be performed on 10% of CIP grout welds in butt, T, and corner joints subject to minimums specified in Section 555.4. Ultrasonic testing shall be performed on 10% of grout welds in butt, T, and corner joints subject to minimums specified in Section 555.4. A reduction in the rate of ultrasonic testing is allowed per Section 555.6 <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Access holes (Rings > 2") <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that access holes are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Welded joints subject to fatigue <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that welded joints are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

PRIOR TO BOLTING (TABLE 554.1, AISC 308-10)

Certification of fasteners <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that fasteners have been marked in accordance with ASTM requirements <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Fasteners for joint <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that fasteners are of suitable condition, part and size, and that they are positioned as required <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Proper installation <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that fasteners are installed in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Connecting elements <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that connecting elements are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Pre-installation verification testing <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that pre-installation verification testing is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Proper storage <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that fasteners are stored in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

BEARING (TABLE 556-2, AISC 308-10)

Fastener assembly <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that fastener assemblies are of suitable condition, part and size, and that they are positioned as required <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Fastener component <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that fastener components are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

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Concrete sampling for strength tests, slump, air content, and temperature <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that concrete is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Concrete & concrete placement methods <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that concrete is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Curing temperature and techniques <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that curing is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Pre-tensioned concrete <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that pre-tensioned concrete is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Erection of precast concrete <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that precast concrete is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Strength verification <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that strength verification is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Formwork <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that formwork is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

MASONRY CONSTRUCTION (IBC 1705.4)

Item *Detailed Inspections and Frequencies*

Review material certificates, mix designs, test results and construction procedures <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that materials conform to the requirements of the approved construction documents. Mix designs, test results, material certificates, and construction procedures shall be submitted for review. Mortar mix shall conform to ASTM C 270 while grout shall conform to ASTM C 770. Material certificates shall be provided for the following: reinforcement, anchors, ties, fasteners, and metal accessories; masonry units; and mortar or grout materials. Continuous inspection procedures for cold-weather or hot-weather construction shall be reviewed <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
AS CONSTRUCTION BEGINS (TABLE 3.1.2, TMS-602/ACI 530-13):	
Proportion of site-prepared mortar <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that mortar is of the type and color specified in the approved plans and shop drawings and that it is mixed in accordance with Article 3.2.6 of TMS-602 <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

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Verify preparer materials, densities and lift thicknesses during placement and compaction <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that materials are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
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DRIVEN DEEP FOUNDATIONS (IBC 1705.7)

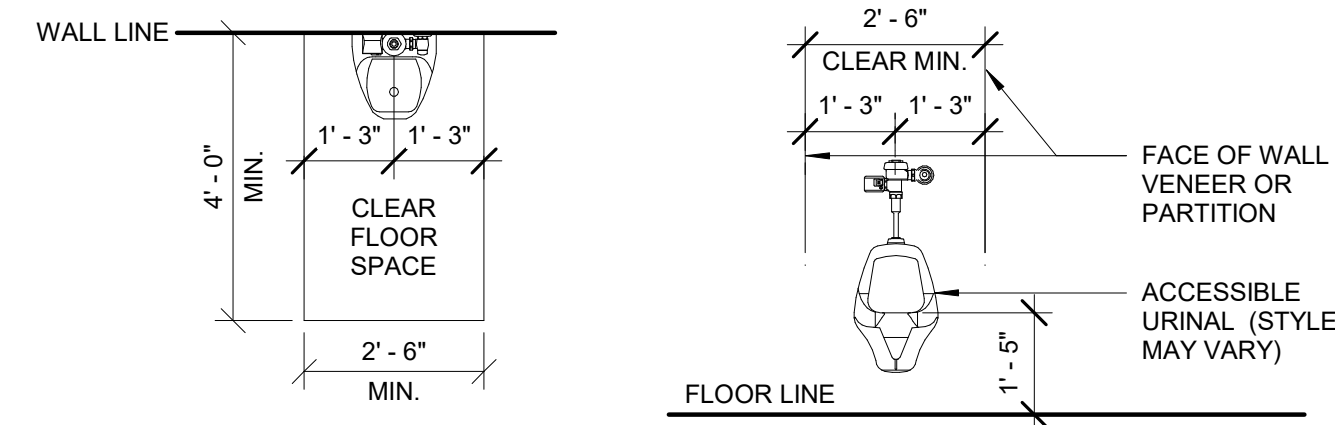
Item *Detailed Inspections and Frequencies*

Decreased capacities and conduct <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that capacities and conduct are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Verify placement operations <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that placement operations are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Verify placement locations & dimensions, confirm type of soil, record pit and bottom elevations and document any damage to dewatering <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that placement locations and dimensions are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Perform additional inspections for steel, concrete or other specialty elements <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that additional inspections are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>

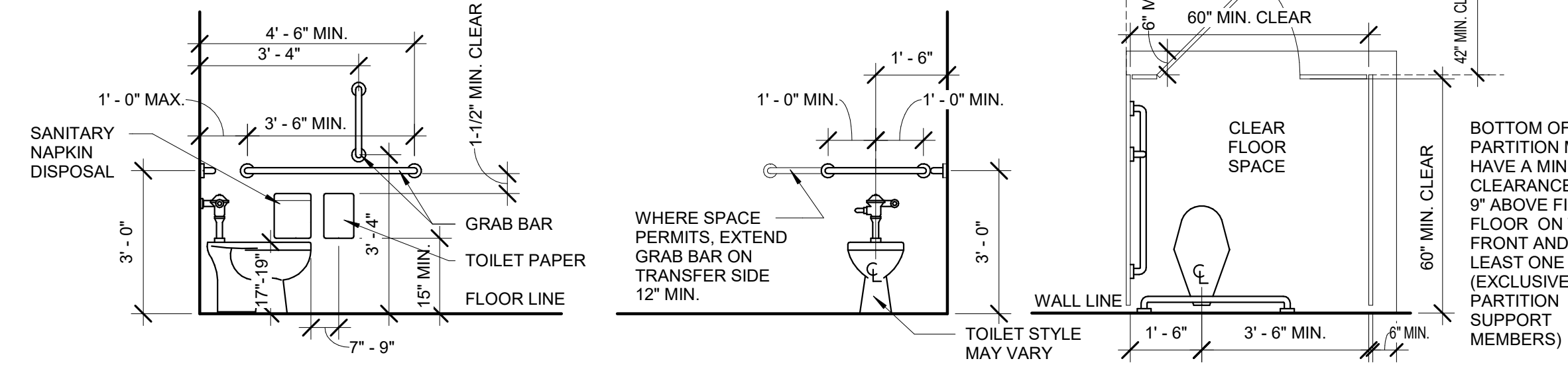
CAST-IN-PLACE DEEP FOUNDATIONS (IBC 1705.8)

Item *Detailed Inspections and Frequencies*

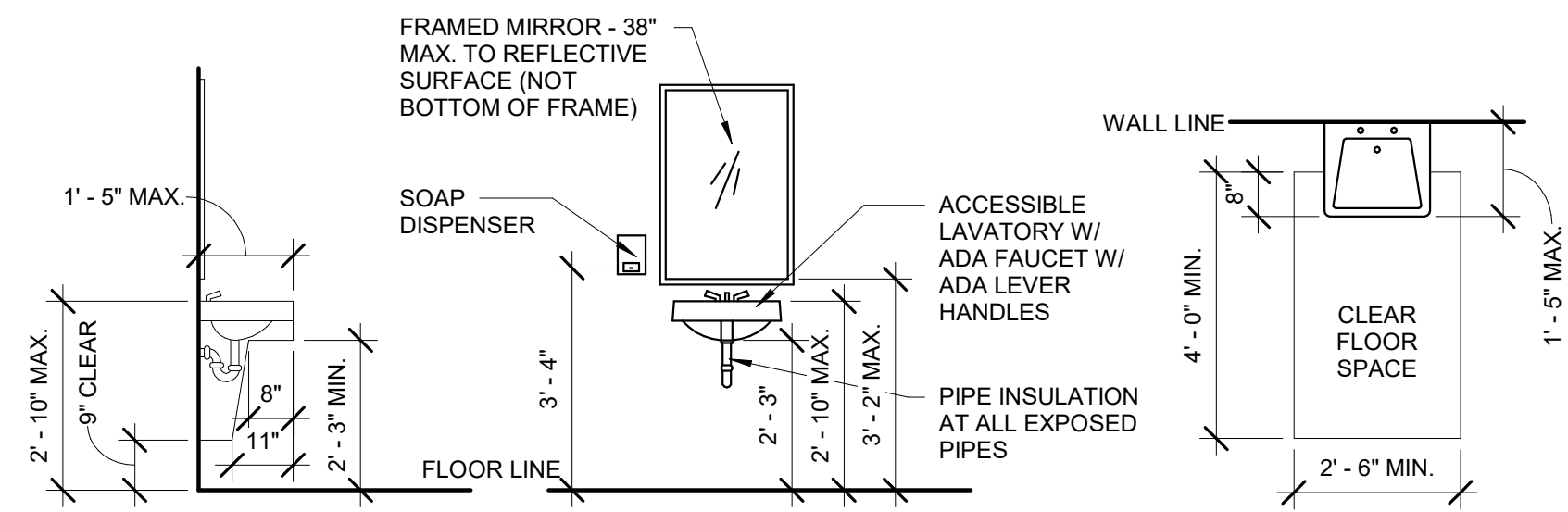
Observe drilling operation and reporting <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that drilling operation and reporting are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Verify placement locations & dimensions, confirm type of soil, record pit and bottom elevations and document any damage to dewatering <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that placement locations and dimensions are in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
Apply inspection (specify location and frequency) <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>	Verify that inspection is in accordance with approved plans and shop drawings <input type="checkbox"/> Continuous <input type="checkbox"/> Periodic <input type="checkbox"/>
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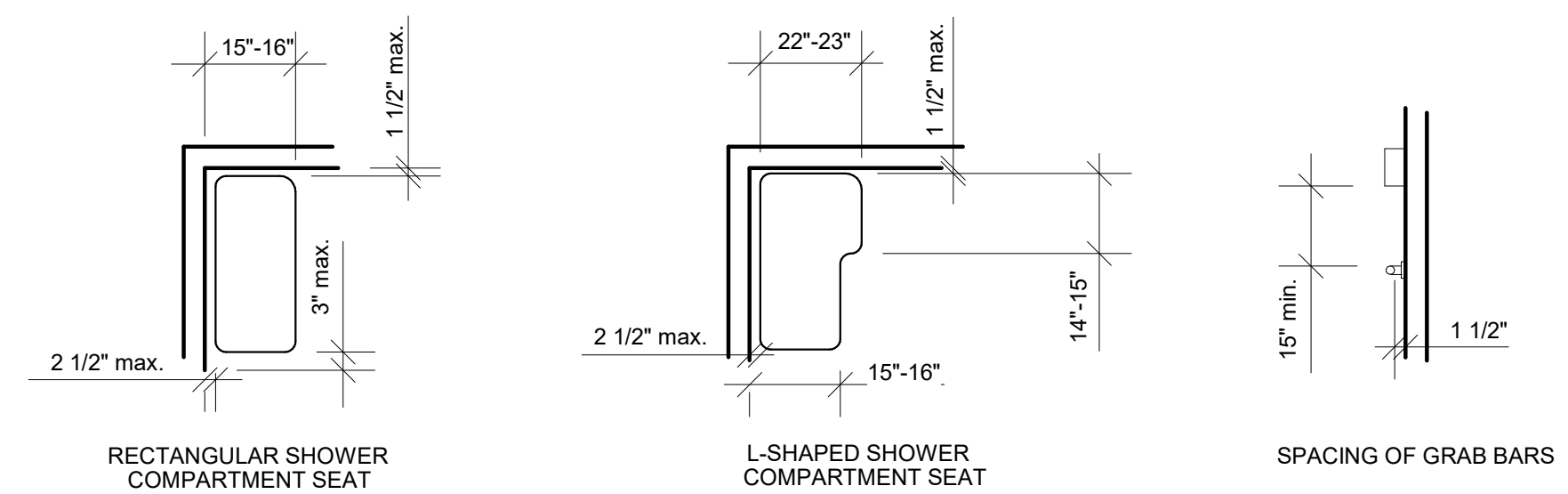
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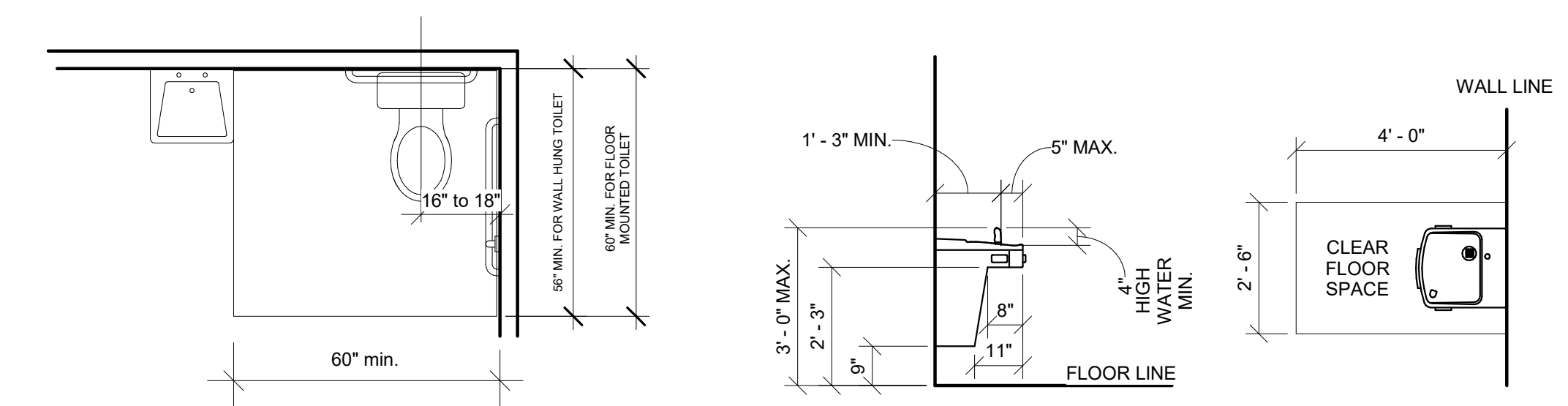
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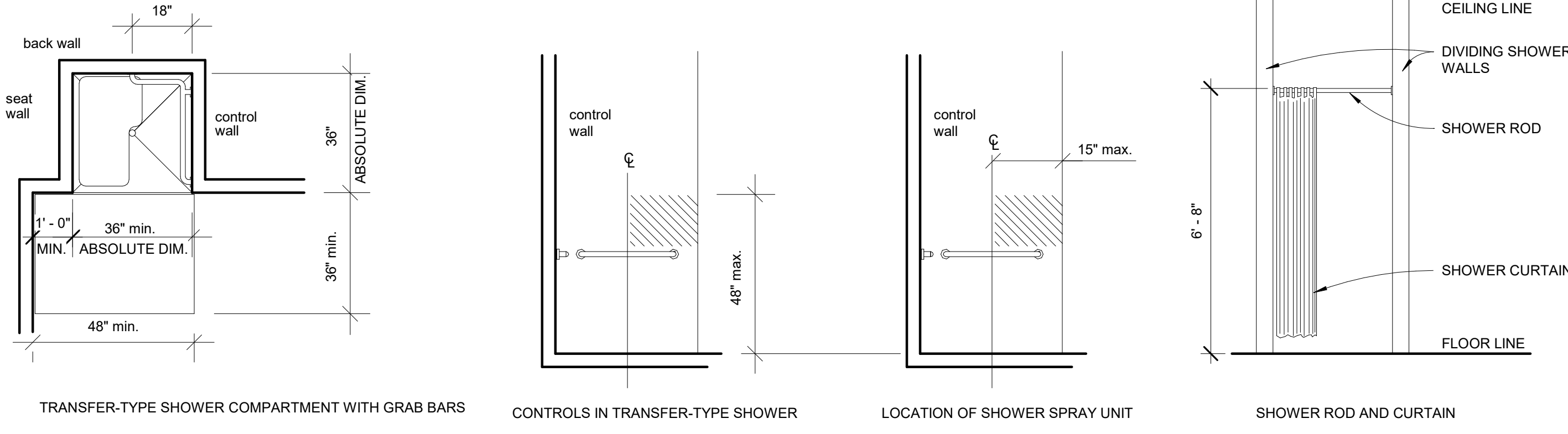
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RECTANGULAR SHOWER COMPARTMENT SEAT, L-SHAPED SHOWER COMPARTMENT SEAT, SPACING OF GRAB BARS

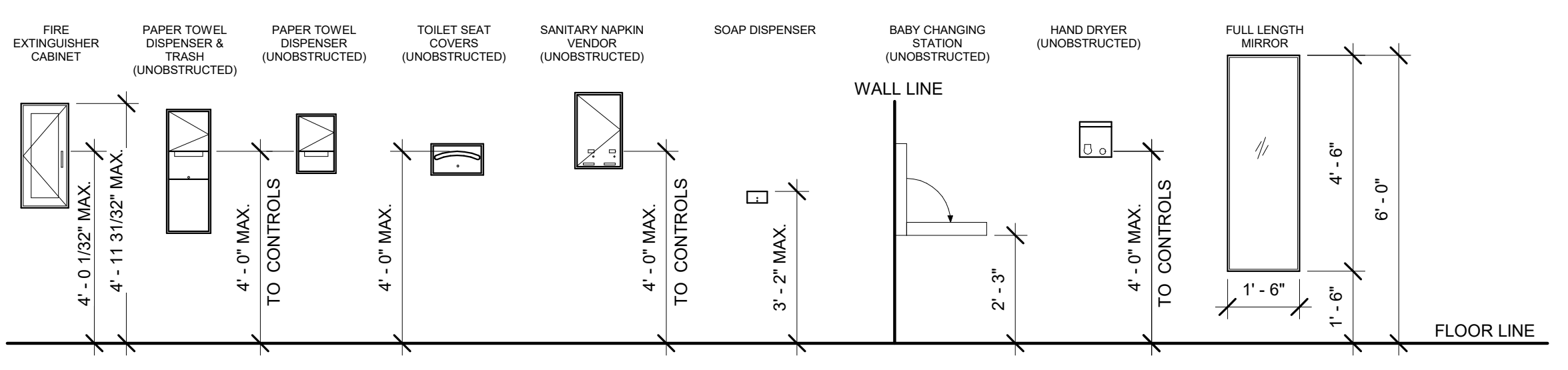


WATER CLOSET LOCATION / CLEAR FLOOR SPACE, ELECTRIC WATER COOLER

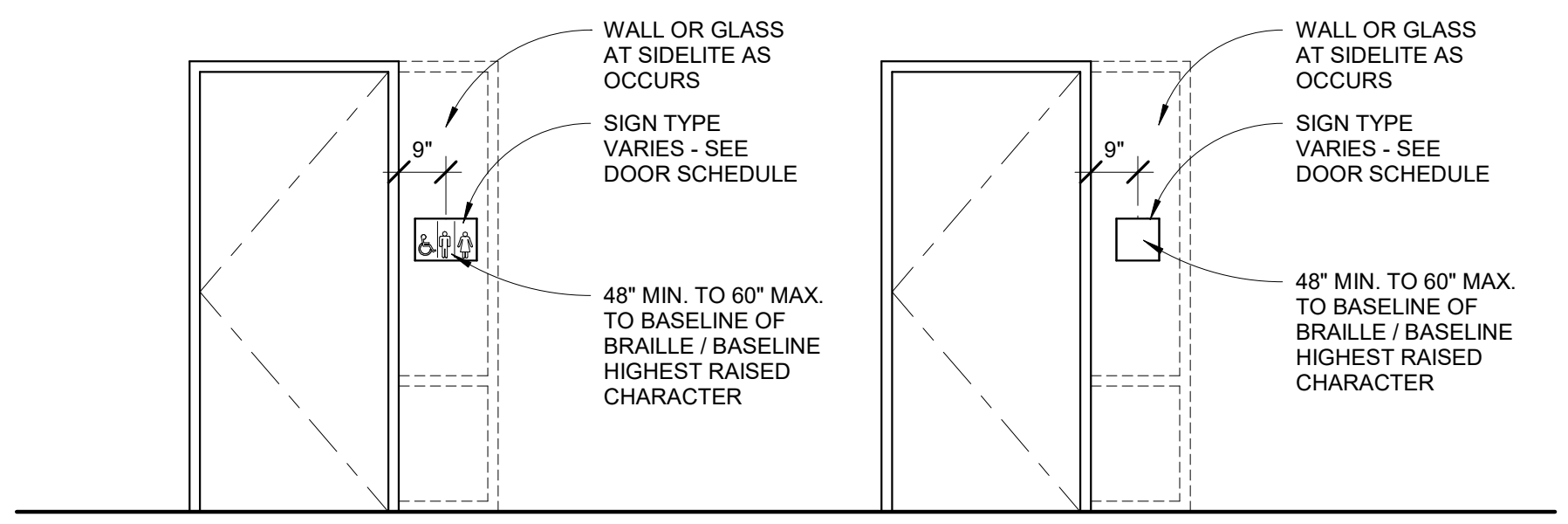


ACCESSIBLE SHOWERS

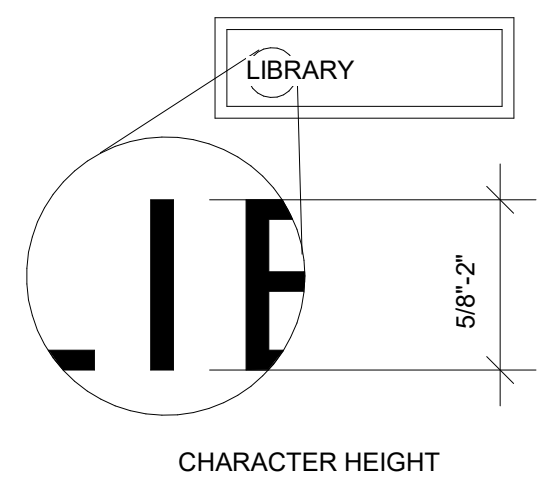
SHOWERS AND ALL RELATED COMPONENTS MUST FULLY COMPLY WITH THE REQUIREMENTS OF "TRANSFER-TYPE SHOWER COMPARTMENTS" AS STATED IN ICC/ANSI A117.1-2003



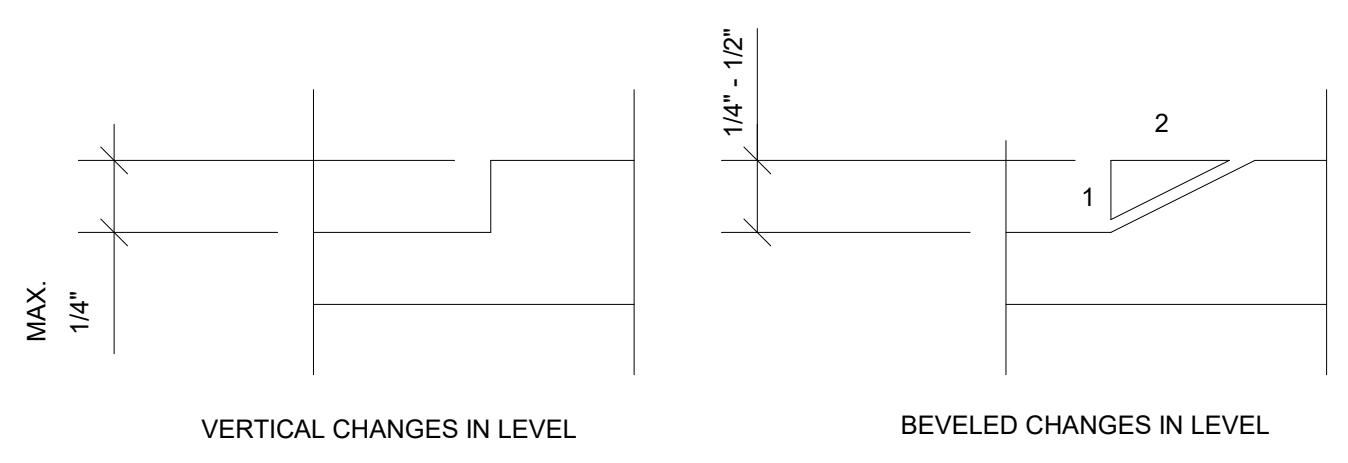
MISC. ACCESSORIES MOUNTING HEIGHT



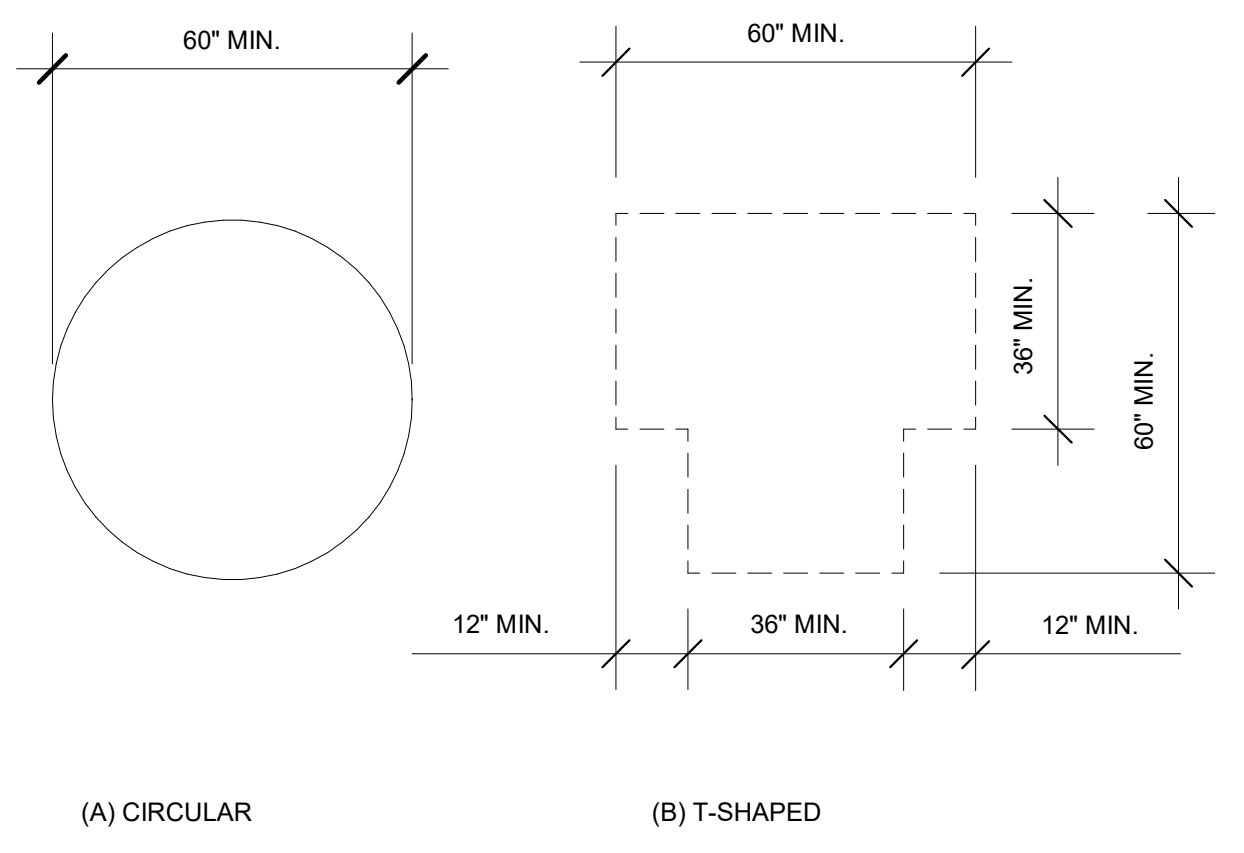
SIGNAGE AT DOORS



CHARACTER HEIGHT



ACCESSIBLE CHANGES IN LEVEL



WHEELCHAIR TURNING SPACE

NOTE: THE INFORMATION ON THIS SHEET INDICATES GENERAL ADA DESIGN REQUIREMENTS AND IS FOR REFERENCE ONLY. ANY DISCREPANCIES BETWEEN THIS SHEET AND THE REST OF THE DESIGN DRAWINGS ARE THE RESPONSIBILITY OF THE USER. IF ANY QUESTIONS ARISE DUE TO DISCREPANCIES OR MISSING INFORMATION CONTACT THE ARCHITECT PRIOR TO PERFORMING WORK.
PROVIDE BLOCKING / BACKING AS REQUIRED FOR ALL WALL MOUNTED ACCESSORIES / FIXTURES

ARCHITECT'S INFORMATION

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 Kaysville, Utah 84037
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 info@spe-architect.com
 www.spe-architect.com

PROFESSIONAL STAMP

 STATE OF UTAH
 SCOTT PAUL EVANS
 NO. 118114
 08.17.2020
 ARCHITECT

CODE OFFICIAL STAMP

 REVIEWED FOR CODE COMPLIANCE
 WMA OFFICE BUILDING
 DATE: 08.14.2020

PROJECT NAME
OGDEN BAY WMA OFFICE BUILDING
 4786 S 7500 W, HOOPER, UT 84315

REVISIONS:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #: 20419520
 SPE PROJECT #: 19-55
 DRAWN BY: GTE
 CHECKED BY: SPE
 DESIGNED BY: SPE

COPYRIGHT:
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 SHEET TITLE:
ADA GENERAL REQUIREMENTS
 SHEET NUMBER:
GI-005

GENERAL NOTES

- 1. ALL IMPROVEMENTS SHALL COMPLY WITH THE STANDARDS AND REGULATIONS OF THE LOCAL GOVERNING MUNICIPALITY. CONTACT THE PUBLIC WORKS OFFICE BEFORE BEGINNING.
2. CONTRACTOR TO FIELD VERIFY LOCATION, SIZE, AND AVAILABILITY OF EXISTING UTILITIES. UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE. SEE UTILITY NOTE 3.
3. ALL DIMENSIONS ARE IN FOOT UNITS AND ARE TO THE TOP BACK OF CURB UNLESS SHOWN OR NOTED OTHERWISE.
4. PROVIDE HANDICAP RAMP AT ENDS OF WALKWAYS. END 0.1' ABOVE FLOWLINE OF CURB.
5. CURB AND GUTTER SHALL BE AS PER APWA STD DWG NO 205 TYPE A.
6. UTILITY INFORMATION INDICATED ON DRAWING IS BASED UPON VISUAL OBSERVATION OR INFORMATION FURNISHED BY MUNICIPAL AUTHORITIES WHICH MAY NOT BE VALID. LATERAL LOCATIONS AND ELEVATIONS ARE ASSUMED. SEE UTILITY NOTE 3.
7. ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF A QUALIFIED SOILS ENGINEER WHO SHALL VERIFY THAT ALL FILL HAS BEEN PLACED IN ACCORDANCE WITH PROVISIONS IN CURRENT INTERNATIONAL BUILDING CODE.
8. COMPACTION TEST REPORTS SHALL BE MADE AVAILABLE TO THE ENGINEER WITHIN 24 HOURS OF A REQUEST. FINAL REPORTS AS SPECIFIED IN CURRENT INTERNATIONAL BUILDING CODE SHALL BE SUBMITTED TO THE ENGINEER WITHIN TEN DAYS AFTER COMPLETION OF GRADING.
9. ALL STORM DRAIN PIPE SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND THE LOCAL GOVERNING MUNICIPALITY'S STANDARDS AND SPECIFICATIONS.
10. STORM DRAIN PIPE WITHIN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE RIGHT-OF-WAY OWNER'S SPECIFICATIONS. PRIVATE STORM DRAIN PIPE OPTIONS SHALL CONSIST OF THE FOLLOWING MATERIALS.
1. PVC PIPE, ASTM D3034, SDR 35, BELL & SPIGOT TYPE.
2. RCP PIPE, CLASS 3, BELL & SPIGOT TYPE.
3. HIGH DENSITY CORRUGATED POLYETHYLENE SMOOTH INTERIOR PIPE, ASTM D3350 WITH WATERTIGHT JOINTS.
11. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CHECK CONDITIONS AT THE SITE BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
12. TYPICAL DETAILS SHALL APPLY IN GENERAL CONSTRUCTION UNLESS SPECIFICALLY DETAILED. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION WILL BE AS FOR SIMILAR WORK. DO NOT SCALE DRAWINGS.
13. ANY OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED.
14. PIPE BEDDING SHALL BE 3/8" MAXIMUM AGGREGATE. USE 3/4" MAXIMUM SIZE ROAD BASE FOR BACKFILL MATERIAL. COMPACT TO 95% STANDARD PROCTOR DENSITY. MAXIMUM LIFT 8 INCHES.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PUBLIC AND OSHA STANDARDS.
16. ALL WORK SHALL COMPLY WITH THE AMERICAN PUBLIC WORKS ASSOCIATION UTAH CHAPTER (APWA) MANUAL OF STANDARD SPECIFICATIONS 2007 EDITION WITH ALL PERTINENT SUPPLEMENTS AND AMENDMENTS AND THE MANUAL OF STANDARD PLANS 2007 EDITION. SAID STANDARD SPECIFICATIONS AND PLANS SHALL BE THE REQUIREMENTS.
17. IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THE WORK TO BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES WHICH EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S INTERPRETATION THEREOF SHALL BE CONCLUSIVE. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORITY FROM THE OWNER AND/OR ENGINEER.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS. ALL TESTING AND INSPECTION SHALL BE PAID FOR BY THE OWNER; ALL RE-TESTING AND/OR REINSPECTION SHALL BE PAID FOR BY THE CONTRACTOR.
19. THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZE AS-BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL MECHANICAL, ELECTRICAL AND INSTRUMENTATION EQUIPMENT; PIPING AND CONDUITS; STRUCTURES AND OTHER FACILITIES. THE AS-BUILTS OF THE ELECTRICAL SYSTEM SHALL INCLUDE THE STREET LIGHT LAYOUT PLAN SHOWING LOCATION OF LIGHTS, CONDUITS, CONDUCTORS, POINTS OF CONNECTIONS TO SERVICES, PULLBOXES, AND WIRE SIZES. AS-BUILT RECORD DRAWINGS SHALL REFLECT CHANGE ORDERS, ACCOMMODATIONS, AND ADJUSTMENTS TO ALL IMPROVEMENTS CONSTRUCTED. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR.
20. PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE. AS-BUILT RECORD DRAWINGS SHALL BE REVIEWED AND THE COMPLETE AS-BUILT RECORD DRAWING SET SHALL BE CURRENT WITH ALL CHANGES AND DEVIATIONS REDLINED AS A PRECONDITION TO THE FINAL PROGRESS PAYMENT APPROVAL AND/OR FINAL ACCEPTANCE.

SEQUENCE OF CONSTRUCTION

- 1. CONSTRUCTION EXIT IS TO BE CONSTRUCTED AT TIME OF ENTRY TO SITE.
2. CLEAR AND GRUB AREAS FOR SEDIMENT MEASURES.
3. INSTALL SILT FENCES.
4. COMPLETE CLEARING OF SITE AND BEGIN ROUGH GRADING.
5. FILL AREAS SHALL BE FILLED IN 12 INCH MAXIMUM LIFTS AND COMPACTED TO AT LEAST 95% MAXIMUM DENSITY.
6. DRAINAGE WILL BE CONTROLLED AND GROUND SLOPED SO AS TO DIRECT RUNOFF TO SEDIMENT CONTROLLED INLETS.
7. INSTALL REMAINDER OF STORM DRAIN.
8. INSTALL UTILITY LINES, WATER, ETC.
9. INSTALL CURBS, WALKS, ETC., AND STABILIZE ALL DISTURBED AREAS.
10. INSTALL BASE COURSE.
11. REMOVE SEDIMENT CONTROL MEASURES, CLEAN OUT TEMPORARY SEDIMENTATION BASINS AND REGRADE, CLEAN OUT SEDIMENT TRAPS AND CONVERT THEM TO STORM WATER MANAGEMENT STRUCTURES.
12. PAVE SITE.
13. OWNER TO BE RESPONSIBLE TO CHECK CLEAN OUT INLET BOXES FOR SEDIMENT AND OIL AND CLEAN AS NECESSARY

UTILITY NOTES

- 1. ALL SERVICE LATERALS SHALL BE EXTENDED 2 FEET PAST THE 10 FOOT P.U.E.
2. ALL CONSTRUCTION SHALL COMPLY WITH LOCAL GOVERNING MUNICIPALITY DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS
3. LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. CONTRACTOR IS TO FIELD VERIFY CONNECTION POINTS WITH EXISTING UTILITIES, INCLUDING LOCATIONS AND INVERT ELEVATIONS OF ALL EXISTING STRUCTURES OR PIPES, BEFORE STAKING OR CONSTRUCTING ANY NEW UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING UTILITIES AND UTILITY STRUCTURE THAT ARE TO REMAIN.
4. CONTRACTOR IS RESPONSIBLE TO EXPOSE ALL UTILITY SERVICES STUBBED INTO PROJECT PROPERTY AND GIVE ENTELLUS. 48 HOURS PRIOR NOTICE SO ENTELLUS CAN VERIFY DEPTHS AND INVERT ELEVATIONS TO DETERMINE IF CONFLICTS EXIST. ALSO ANY EXISTING UTILITIES THAT RUN ACROSS PROJECT PROPERTY WHICH MAY CAUSE POTENTIAL CONFLICT NEED TO BE EXPOSED AND LOCATED BOTH HORIZONTALLY AND VERTICALLY. CONTRACTOR PROCEEDS AT OWN RISK IF ENTELLUS IS NOT NOTIFIED TO FIELD VERIFY THE ABOVE MENTIONED CONDITIONS.
5. CONTRACTOR IS TO COORDINATE ALL UTILITIES WITH MECHANICAL DRAWINGS WHERE APPLICABLE.
6. NO GROUNDWATER OR DEBRIS TO BE ALLOWED TO ENTER THE NEW PIPE DURING CONSTRUCTION. THE OPEN END OF ALL PIPES IS TO BE COVERED AND EFFECTIVELY SEALED AT THE END OF EACH DAYS WORK.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL PIPE OF ADEQUATE CLASSIFICATION WITH SUFFICIENT BEDDING TO MEET ALL REQUIREMENTS AND RECOMMENDATIONS FOR H-20 LOAD REQUIREMENTS.
8. ALL NEW SANITARY SEWER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.
9. ALL SEWER LINES AND LATERALS ARE TO BE SDR 35 PVC PIPE.
10. SEWER LATERALS WILL BE INSTALLED AT A UNIFORM SLOPE OF NOT LESS THAN 2% GRADE AND THEY SHALL HAVE A MINIMUM OF 4 FEET OF COVER, UNLESS OTHERWISE NOTED.
11. ALL NEW CULINARY AND IRRIGATION WATER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.
12. WATER LINES TO BE PVC C-900. WATER LINES SHALL BE A MINIMUM OF 10' HORIZONTALLY FROM SEWER MAINS. CROSSINGS SHALL MEET STATE HEALTH STANDARDS. (MECHANICAL JOINTS REQUIRED WHEN LESS THAN 18" VERTICAL OR 10' HORIZONTAL SEPARATION FROM SEWER LINES.)
13. ALL WATER LINES SHALL BE 8" MINIMUM SIZE AND SERVICE LATERALS SHALL BE 1-1/2" MINIMUM UNLESS OTHERWISE NOTED.
14. WATER SERVICE LATERALS TO INCLUDE ALL BRASS SADDLE; CORP. STOP LATERAL, DOUBLE CHECK VALVE AND BACKFLOW PREVENTION DEVICE, AND SHUTOFF VALVE IN BOX NEAR BUILDING EDGE.
15. ALL WATER LINES SHALL BE A MINIMUM 48" BELOW FINISH GROUND TO TOP OF PIPE. ALL VALVE BOXES AND MANHOLES SHALL BE RAISED OR LOWERED TO FINISH GRADE AND SHALL INCLUDE A CONCRETE COLLAR IN PAVED AREAS.
16. CONTRACTOR TO NOTIFY PUBLIC UTILITIES FOR CHLORINE TEST PRIOR TO FLUSHING LINES, CHLORINE LEFT IN PIPE 24 HOURS MINIMUM WITH 25 PPM RESIDUAL. ALL TURNING OF MAINLINE VALVES, CHLORINATION, FLUSHING, PRESSURE TESTING, BACTERIA TESTING, ETC. TO BE COORDINATED WITH LOCAL GOVERNING MUNICIPALITY. ALL TESTS TO BE IN ACCORDANCE WITH AWWA STANDARDS.
17. BOTTOM FLANGE OF FIRE HYDRANTS TO BE SET TO APPROXIMATELY 4" INCHES ABOVE BACK OF CURB ELEVATION. HYDRANTS TO INCLUDE TEE, 6" LINE VALVE, AND HYDRANT COMPLETE TO MEET CITY STANDARDS.
18. ALL NEW STORM DRAIN/LAND DRAIN CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY STANDARDS & SPECIFICATIONS.
19. ALL STORM WATER CONVEYANCE PIPING TO BE RCP - CLASS 3 OR EQUAL, UNLESS OTHERWISE NOTED.
20. CONTRACTOR IS TO SUBMIT SITE PLAN/SUBDIVISION PLAT TO DOMINION ENERGY GAS FOR DESIGN OF GAS SERVICE TO BUILDINGS/LOTS. CONTRACTOR TO COORDINATE WITH DOMINION ENERGY GAS FOR CONTRACTOR LIMITS OF WORK VERSUS DOMINION ENERGY GAS LIMITS.
21. ALL GAS LINE TAPS TO BE HDPE WITH COPPER TRACER WIRE AND DETECTA TAPE. TERMINATE TRACER WIRE AT APPROVED LOCATIONS.
22. ALL GAS LINE TAPS, VALVES AND CAPS TO BE FUSED USING ELECTRO-FUSION TECHNOLOGY.
23. ALL ELECTRICAL CONDUITS/LINES TO BE PVC SCH 40 OR BETTER.
24. ALL PHONE AND TV CONDUITS TO BE PVC SCH 40 OR BETTER.
25. CONTRACTOR IS TO SUBMIT SITE PLAN/SUBDIVISION PLAT TO COMCAST FOR DESIGN OF CABLE TV SERVICE TO BUILDINGS/LOTS. CONTRACTOR TO COORDINATE WITH COMCAST FOR CONTRACTOR LIMITS OF WORK VERSES COMCAST LIMITS.
26. CONTRACTOR IS TO COORDINATE LOCATIONS OF NEW TELEPHONE SERVICE TO NEW BUILDINGS OR LOTS WITH CENTURYLINK. A PVC CONDUIT, PLYWOOD BACKBOARD, AND GROUND WIRE IS REQUIRED FOR SERVICE THROUGH PROPERTY. COORDINATE SIZES AND LOCATION WITH CENTURYLINK.
27. ALL UTILITIES ARE TO BE INSTALLED IN ACCORDANCE WITH THE CORRESPONDING AGENCY/DISTRICT STANDARDS AND SPECIFICATIONS:
WATER - HOOPER CITY
SEWER - SEPTIC SYSTEM
STORM DRAIN - N/A
IRRIGATION - N/A
ELECTRICAL - ROCKY MOUNTAIN POWER
TELEPHONE - CENTURYLINK
NATURAL GAS - LIQUID PROPANE

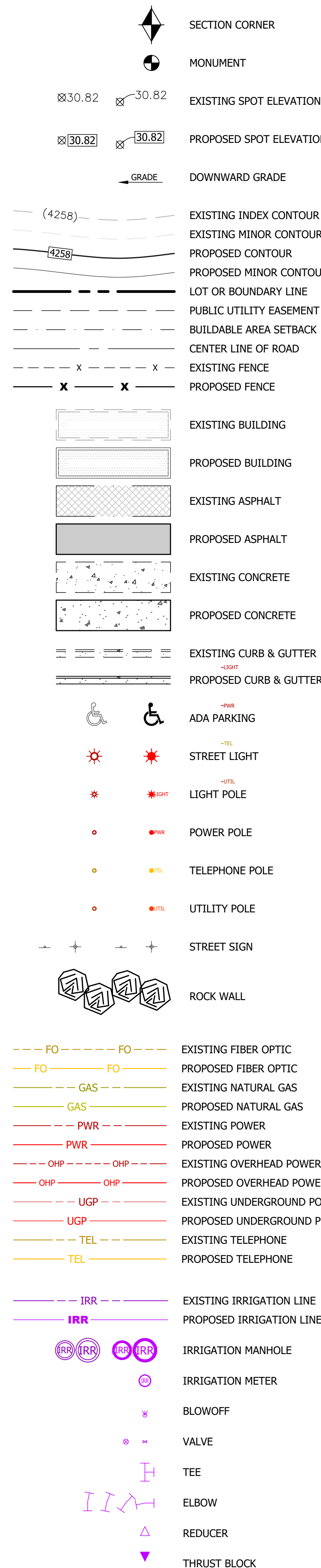
GRADING NOTES

- 1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING IT WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557 EXCEPT UNDER BUILDING FOUNDATION WHERE IT SHALL BE 95% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS. REPORT.
2. THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THE PROJECT. SPECIFIC DETAILS SHOWN SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.
3. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.
4. IF AT ANY TIME DURING CONSTRUCTION ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, WORK IN THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED FROM THE ENGINEER.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING HIS/HER OWN ESTIMATE OF EARTHWORK QUANTITIES.
6. WHERE NEW CURB AND GUTTER IS BEING CONSTRUCTED ADJACENT TO EXISTING ASPHALT OR CONCRETE PAVEMENT, THE FOLLOWING SHALL APPLY:
• PRIOR TO PLACEMENT OF ANY CONCRETE THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR VERIFY THE GRADE AND CROSS SLOPE OF THE CURB AND GUTTER FORMS.
• THE CONTRACTOR SHALL SUBMIT THE SLOPE AND GRADES TO THE ENGINEER FOR APPROVAL PRIOR TO THE PLACEMENT OF CONCRETE.
• THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SECTION WHICH DOES NOT CONFORM TO THE DESIGN OR TYPICAL CROSS SECTION.
• THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CURB AND GUTTER POURS WITHOUT THE APPROVAL OF THE ENGINEER.

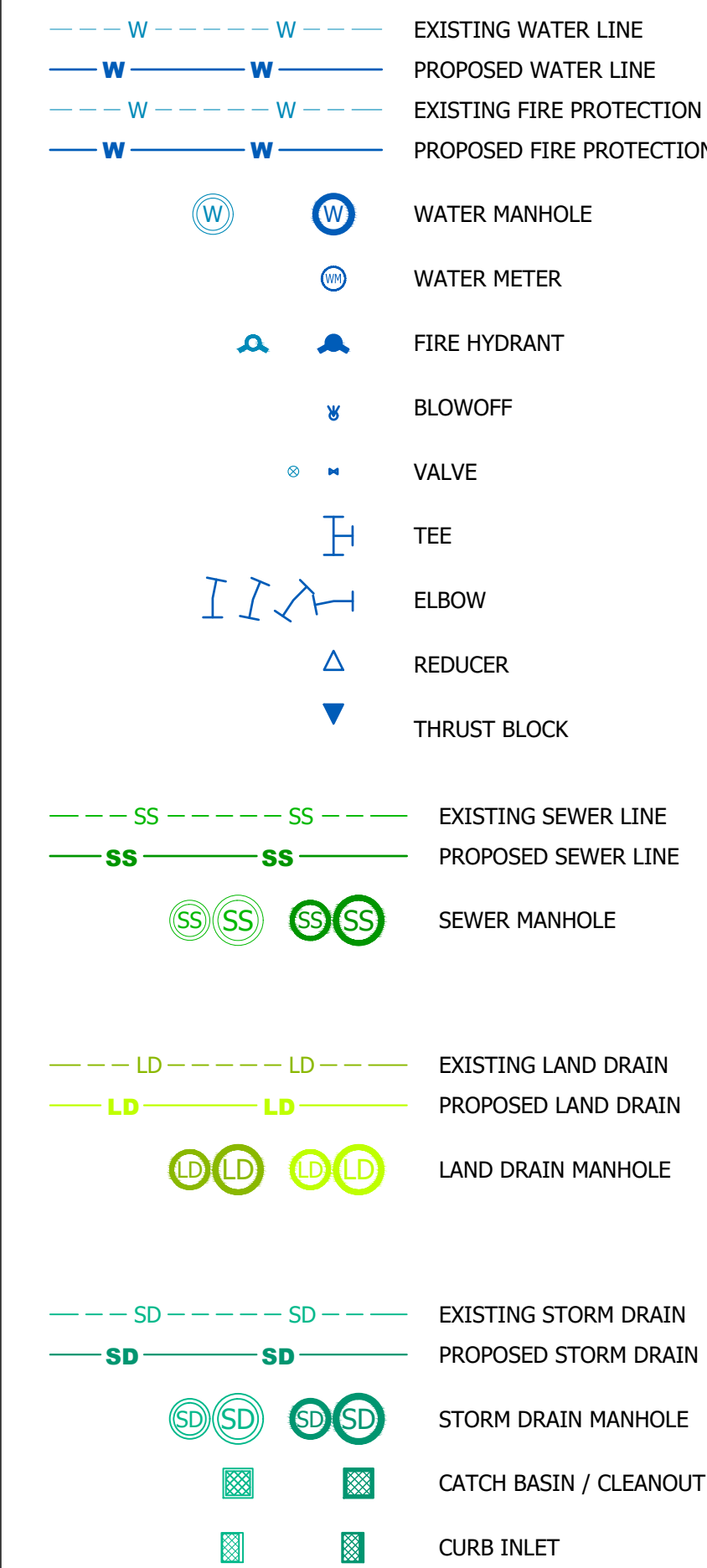
EROSION CONTROL

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE STANDARDS AND REGULATIONS OF THE LOCAL GOVERNING MUNICIPALITY.
2. ALL SEDIMENT CONTROL MEASURES TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE.
3. DAILY INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE PROPERTY. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
4. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS WILL BE PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS.
5. ALL SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM DRAINAGE SYSTEM THROUGH THE USE OF SANDBAGS, STRAW BALES, SILT FENCES, GRAVEL, BOARDS, AND OTHER APPLICABLE METHODS.
7. IF SITE IS READY TO RECEIVE FINAL COVER DURING THE NON-PLANTING SEASON, THEN IT SHALL BE PROTECTED BY MULCHING. THE MULCH WILL REMAIN UNTIL THE NEXT PLANTING SEASON AS DEFINED BY THE LOCAL GOVERNING MUNICIPALITY.
8. RE-VEGETATE ALL DENuded AREAS AS PER THE STANDARDS AND REGULATIONS OF THE LOCAL GOVERNING MUNICIPALITY.
9. THE CONTRACTOR AGREES THAT:
A. THEY SHALL BE RESPONSIBLE TO CLEAN THE JOB SITE AT THE END OF EACH PHASE OF WORK.
B. THEY SHALL BE RESPONSIBLE TO REMOVE AND DISPOSE OF ALL TRASH, SCRAP AND UNUSED MATERIAL AT THEIR OWN EXPENSE IN A TIMELY MANNER.
C. THEY SHALL BE RESPONSIBLE TO MAINTAIN THE SITE IN A NEAT, SAFE AND ORDERLY MANNER AT ALL TIMES.
D. THEY SHALL BE RESPONSIBLE TO KEEP MATERIALS, EQUIPMENT, AND TRASH OUT OF THE WAY OF OTHER CONTRACTORS SO AS NOT TO DELAY THE JOB. FAILURE TO DO SO WILL RESULT IN A DEDUCTION FOR THE COST OF CLEAN UP FROM FINAL PAYMENT.
E. THEY SHALL BE RESPONSIBLE FOR THEIR OWN SAFETY, TRAFFIC CONTROL, PERMITS, RETESTING AND REINSPECTION AT THEIR OWN EXPENSE.
F. UNLESS OTHERWISE NOTED ALL EXCESS SOILS AND MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LAWFULLY DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.
G. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAG-MEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.

LEGEND



LEGEND



ABBREVIATIONS

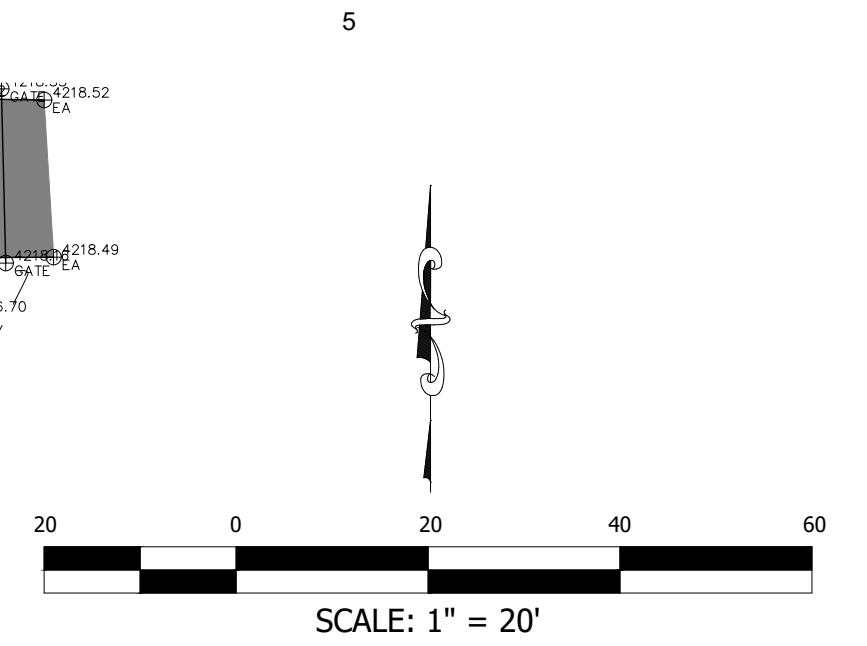
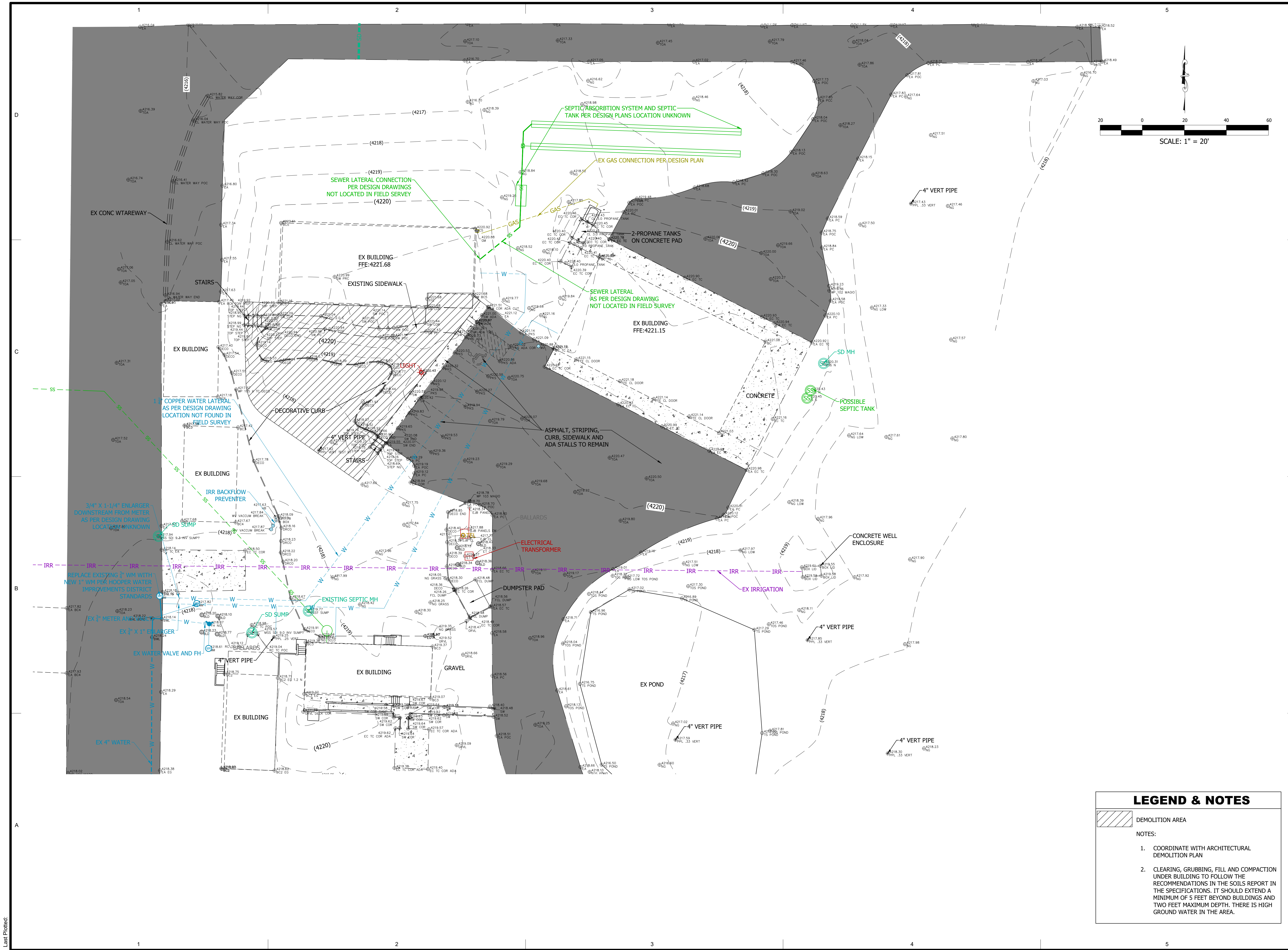
Table of abbreviations including symbols and their corresponding terms: DIAMETER, DELTA, DEGREES, MINUTES, FEET, SECONDS, INCHES, AMERICAN DISABILITIES ACT, CORRUGATED BLACK PLASTIC PIPE, AMERICAN PUBLIC WORKS ASSOCIATION, ARCHITECT, ARCHITECTURAL, AMERICAN SOCIETY FOR TESTING AND MATERIALS, AMERICAN WATER WORKS ASSOCIATION, BAR & CAP, BOUNDARY LINE AGREEMENT, BUILDING, BENCHMARK, BOUNDARY, BACK OF WALK, BEARING, BUTTERFLY VALVE, CURB AND GUTTER, CATCH BASIN, CHORD, CHORD BEARING, CAST IRON, CAST IN PLACE, CENTERLINE, CORRUGATED METAL PIPE, CLEANOUT, COMMUNICATIONS, CONCRETE, CONSTRUCTION, CULINARY, CULINARY WATER, CULINARY WATERLINE, DEMOLITION, DUCTILE IRON, DIAMETER, DISTANCE, DRAWING, EAST, ELECTRICITY, ELECTRICAL, EASEMENT, EXISTING GRADE, ELBOW, ELECTRICAL, ELEVATION, EDGE OF ASPHALT, END VERTICAL CURVE, EXISTING, FINISH FLOOR ELEVATION, FINISH GRADE, FIRE HYDRANT, FLOWLINE FND FOUNDATION, FIRE PROTECTION, FOOTING, GAS, NATURAL GAS, GRADE BREAK, GATE VALVE, HIGH-DENSITY POLYETHYLENE PIPE, HIGH POINT, HIGH POINT ELEVATION.

ABBREVIATIONS

Table of abbreviations including symbols and their corresponding terms: HPS, ID, IE, INV, IRR, IRRMH, K, L, LAT, LD, LDMH, LF, LG, LP, LPE, MECH, MH, MON, NE, NW, OD, OHP, OSHA, PC, PCC, PI, PL, PPM, PROP, PT, PUE, PUB&DE, PVC, PVI, R, RC, RCL, RCP, ROW, SD, SDCB, SDCO, SDMH, SDR, SE, SEB&M, SPEC, SPC, SS, SSCO, SSMH, STD, SW, SWL, SWPPP, TAN, TB, TBC, TBW, TEL, TCW, TOA, TOC, TOE, TOG, TOW, UTIL, UD, UGP, VC, W, W2, WL, WM, WP.

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PROFESSIONAL STAMP: SCOTT T. ARGYLE, LICENSED PROFESSIONAL ENGINEER, No. 189586, 08/13/2020
CODE OFFICIAL STAMP: REVIEWED FOR CODE COMPLIANCE, UTAH DNR, UTAH DEPARTMENT OF HERITAGE AND ARTS, DATE: 08/22/2020
PROJECT NAME: OGDEN BAY REFUGE WMA OFFICE BUILDING, 4790 SOUTH 7500 WEST HOOPER, UTAH 84315
REVISIONS: NO. DATE DESCRIPTION
ISSUED: NO. DATE DESCRIPTION
OWNER PROJECT #: 20419520
SPE PROJECT #:
DRAWN BY: CWF
CHECKED BY: STA
DESIGNED BY: STA
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SHEET TITLE: NOTES
SHEET NUMBER: CE-101

8-100-662-4111 UTAH TOLL FREE, OR 801-208-2100 SALT LAKE IT'S THE LAW TO CALL
TWO WORKING DAYS BEFORE YOU DIG CALL



LEGEND & NOTES

DEMOLITION AREA

NOTES:

- COORDINATE WITH ARCHITECTURAL DEMOLITION PLAN
- CLEARING, GRUBBING, FILL AND COMPACTION UNDER BUILDING TO FOLLOW THE RECOMMENDATIONS IN THE SOILS REPORT IN THE SPECIFICATIONS. IT SHOULD EXTEND A MINIMUM OF 5 FEET BEYOND BUILDINGS AND TWO FEET MAXIMUM DEPTH. THERE IS HIGH GROUND WATER IN THE AREA.

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CODE OFFICIAL STAMP:

PROJECT NAME:

**OGDEN BAY REFUGE
WMA OFFICE BUILDING**

4790 SOUTH 7500 WEST
HOOPER, UTAH 84315

REVISIONS:

NO.	DATE	DESCRIPTION

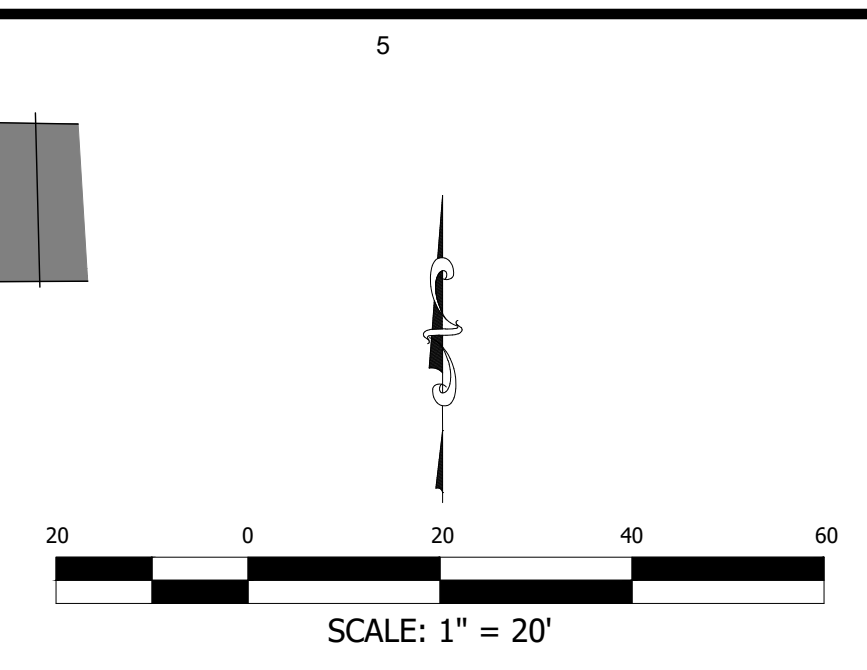
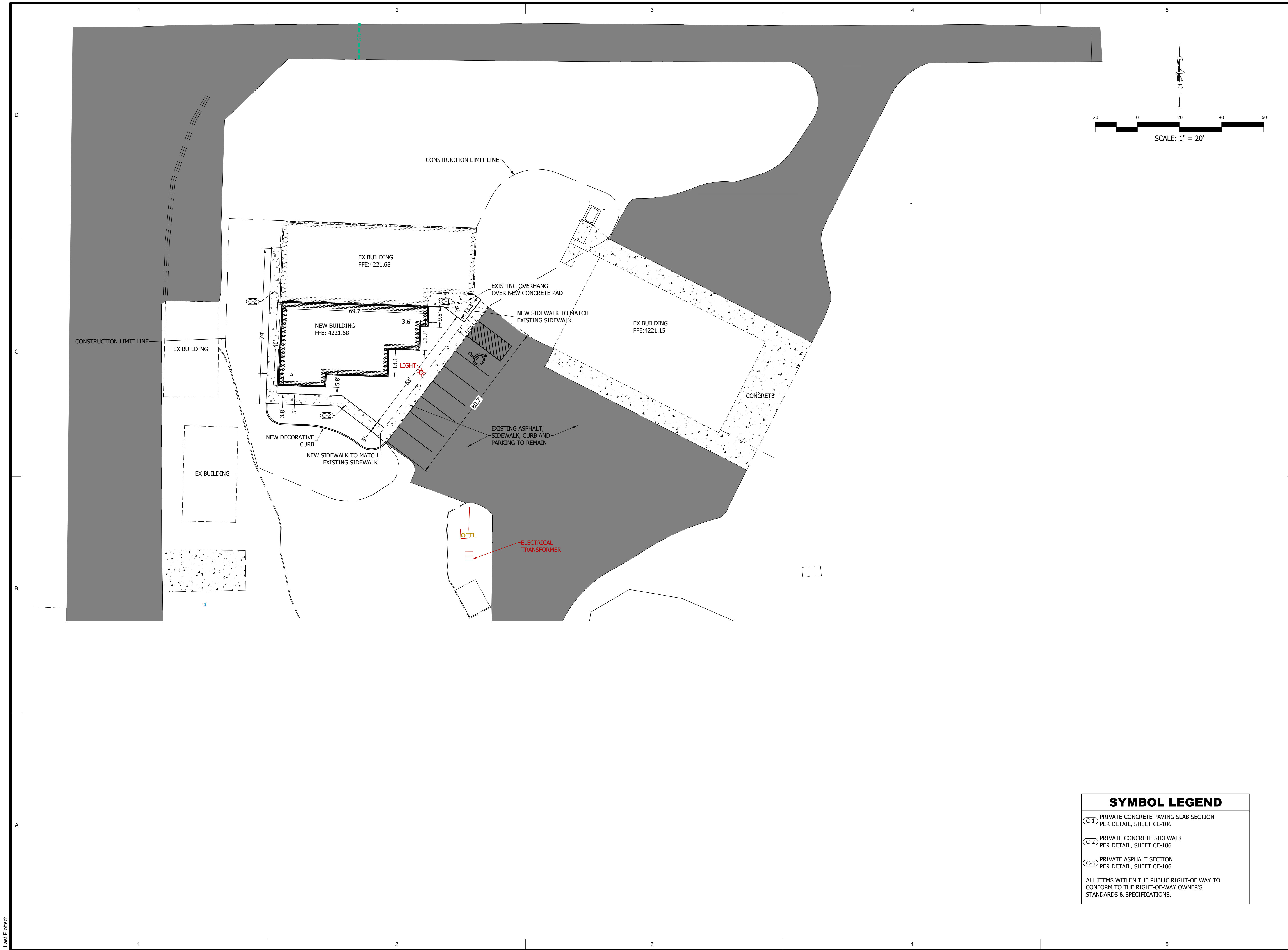
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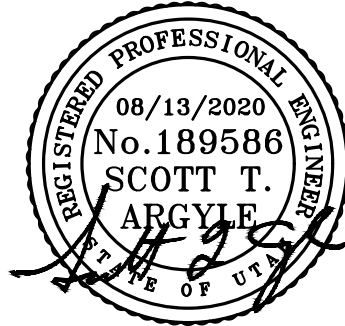
SHEET TITLE:
TOPOGRAPHICAL SURVEY

SHEET NUMBER:
CE-102



ARCHITECTS INFORMATION:

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PROJECT NAME:


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REVISIONS:

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SHEET TITLE:
SITE PLAN

SHEET NUMBER:
CE-103

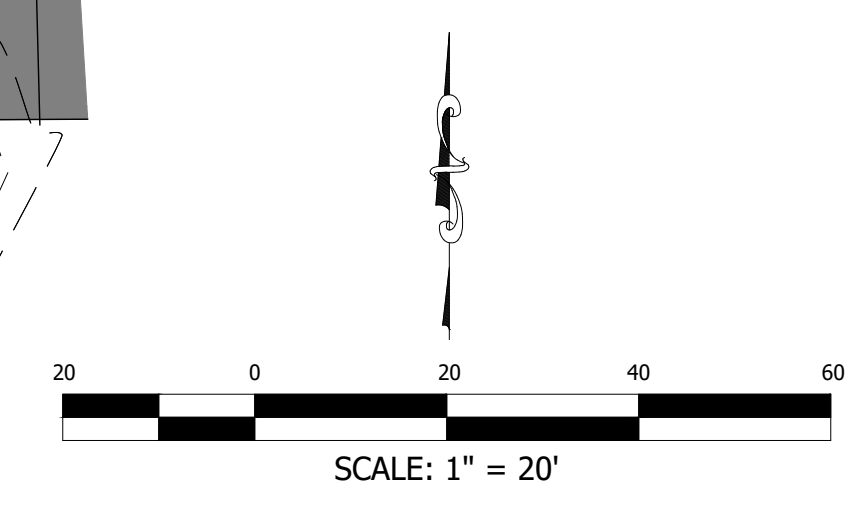
SYMBOL LEGEND

C-1 PRIVATE CONCRETE PAVING SLAB SECTION
 PER DETAIL, SHEET CE-106

C-2 PRIVATE CONCRETE SIDEWALK
 PER DETAIL, SHEET CE-106

C-3 PRIVATE ASPHALT SECTION
 PER DETAIL, SHEET CE-106

ALL ITEMS WITHIN THE PUBLIC RIGHT-OF-WAY TO CONFORM TO THE RIGHT-OF-WAY OWNER'S STANDARDS & SPECIFICATIONS.



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**OGDEN BAY REFUGE
 WMA OFFICE BUILDING**

4796 SOUTH 7500 WEST
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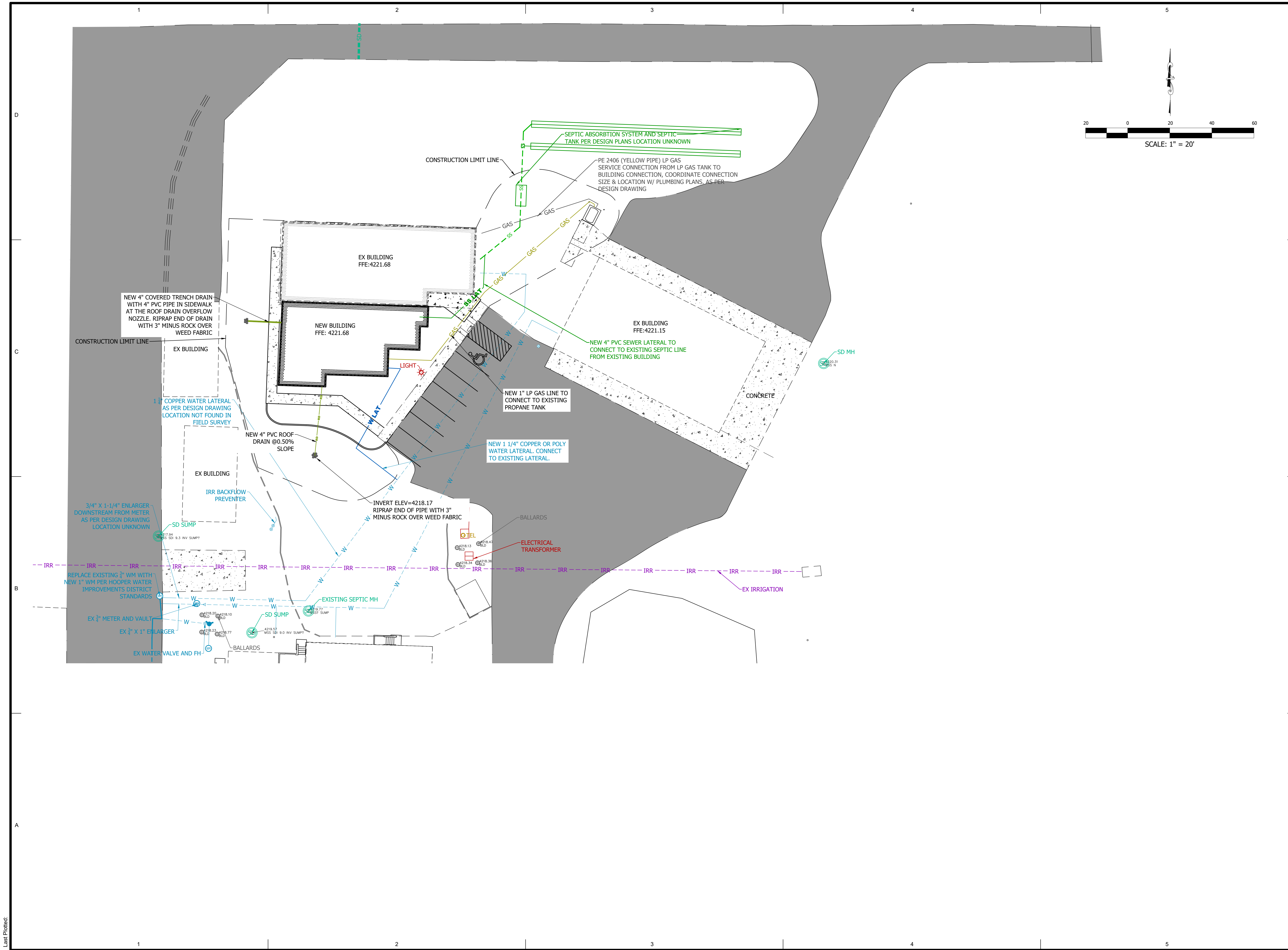
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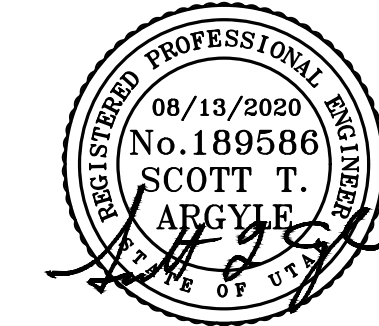
SHEET TITLE:
**GRADING
 PLAN**

SHEET NUMBER:
CE-104



ARCHITECT'S INFORMATION:

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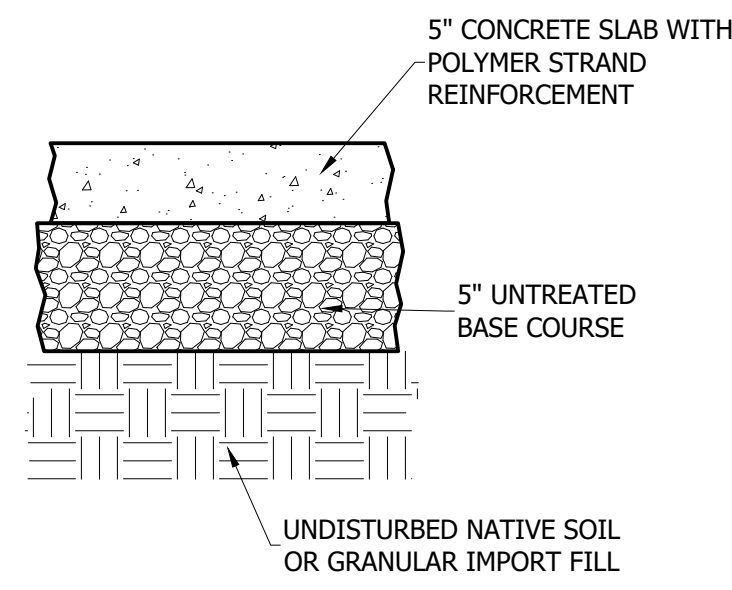
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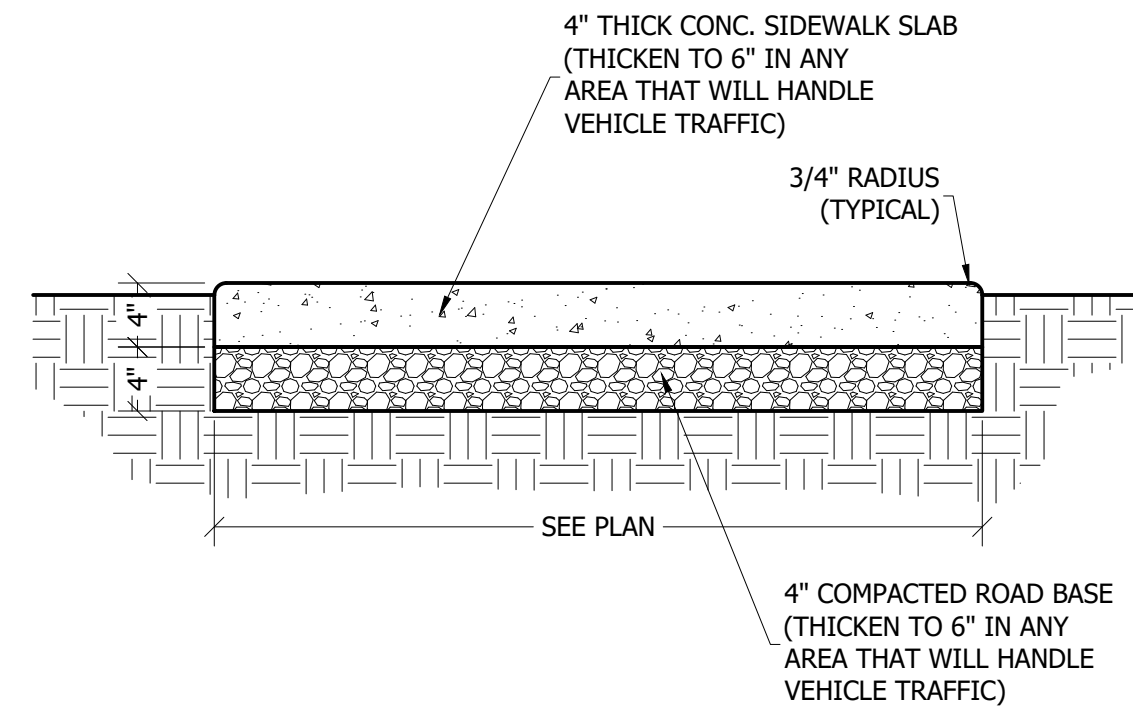
SHEET TITLE:
UTILITY PLAN
 SHEET NUMBER:
CE-105

- NOTES
1. ROAD BASE IS TO BE COMPACTED PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. IF NO SUCH RECOMMENDATIONS PERTAIN, COMPACT TO 95% AASHTO T-180 METHOD D.
 2. CONCRETE IS TO BE 4,000 PSI TEST.
 3. CONTROL JOINTS AT NO MORE THAN 10' INTERVALS BOTH WAYS.
 4. BITUMINOUS MATERIAL EXPANSION JOINTS ARE REQUIRED AT 50' INTERVALS.



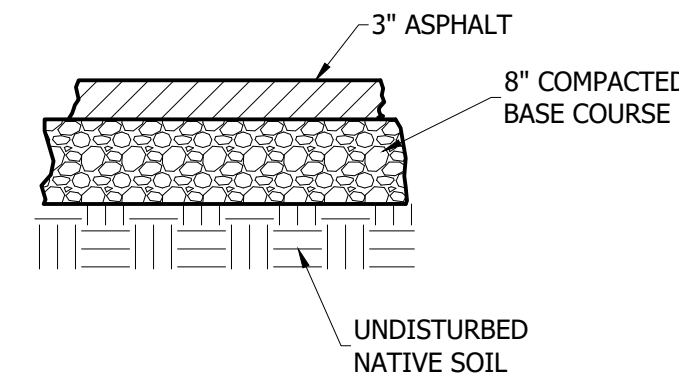
C-1
EC-103 TYPICAL
N.T.S.
PRIVATE CONCRETE PAVING SLAB SECTION

- NOTES
1. ROAD BASE IS TO BE COMPACTED PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. IF NO SUCH RECOMMENDATIONS PERTAIN, COMPACT TO 95% AASHTO T-180 METHOD D.
 2. CONCRETE IS TO BE 4,000 PSI TEST.
 3. CONTROL JOINTS AT 5' INTERVALS.
 4. BITUMINOUS MATERIAL EXPANSION JOINTS ARE REQUIRED AT 50' INTERVALS.



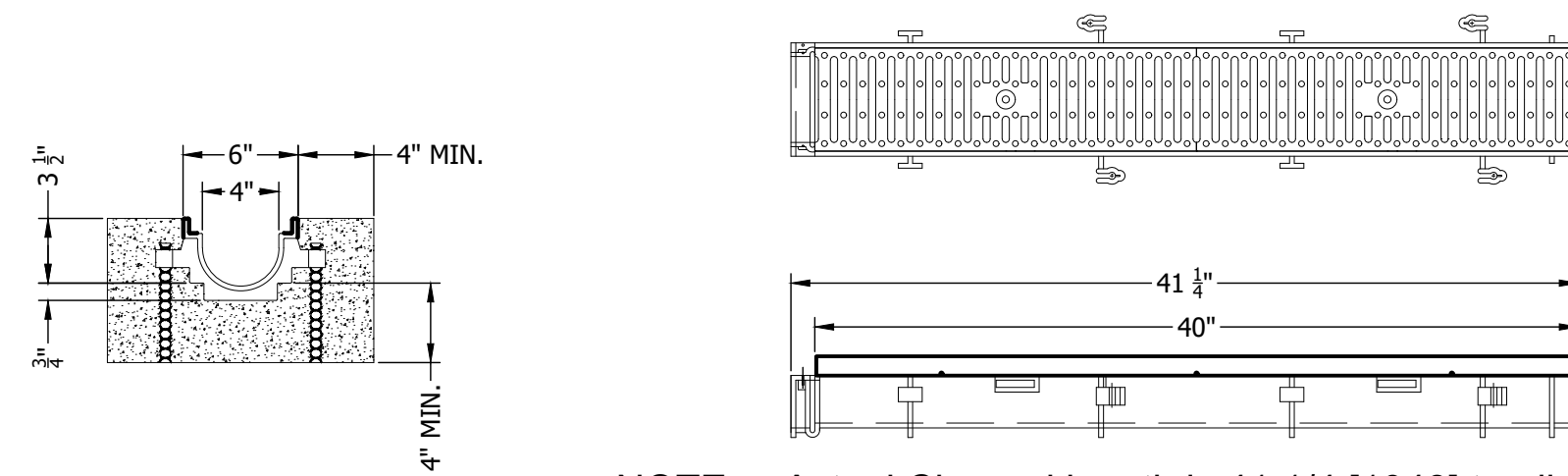
C-2
EC-103 TYPICAL
N.T.S.
PRIVATE CONCRETE SIDEWALK

- NOTES
1. ROAD BASE IS TO BE COMPACTED PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. IF NO SUCH RECOMMENDATIONS PERTAIN, COMPACT TO 95% AASHTO T-180 METHOD D.
 2. PLACE MATERIAL PER APWA SECTION 32 05 10.



C-3
CE-103 TYPICAL
N.T.S.
PRIVATE ASPHALT SECTION

SPECIFYING ENGINEER IS RESPONSIBLE FOR CONCRETE ENCASEMENT AND REINFORCING BASED UPON APPLICATION AND LOCAL CODES



NOTE: + Actual Channel length is 41 1/4 [1048] to allow for overlap.

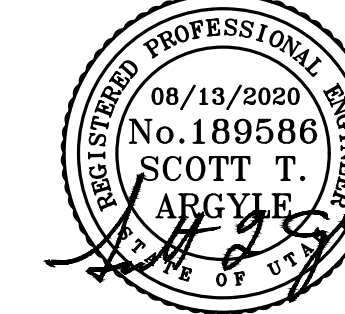
DTL
SHT TYPICAL
N.T.S.
COVERED TRENCH DRAIN

ARCHITECT'S INFORMATION:



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PROJECT NAME:



**OGDEN BAY REFUGE
WMA OFFICE BUILDING**

4796 SOUTH 7500 WEST
HOOPER, UTAH 84315



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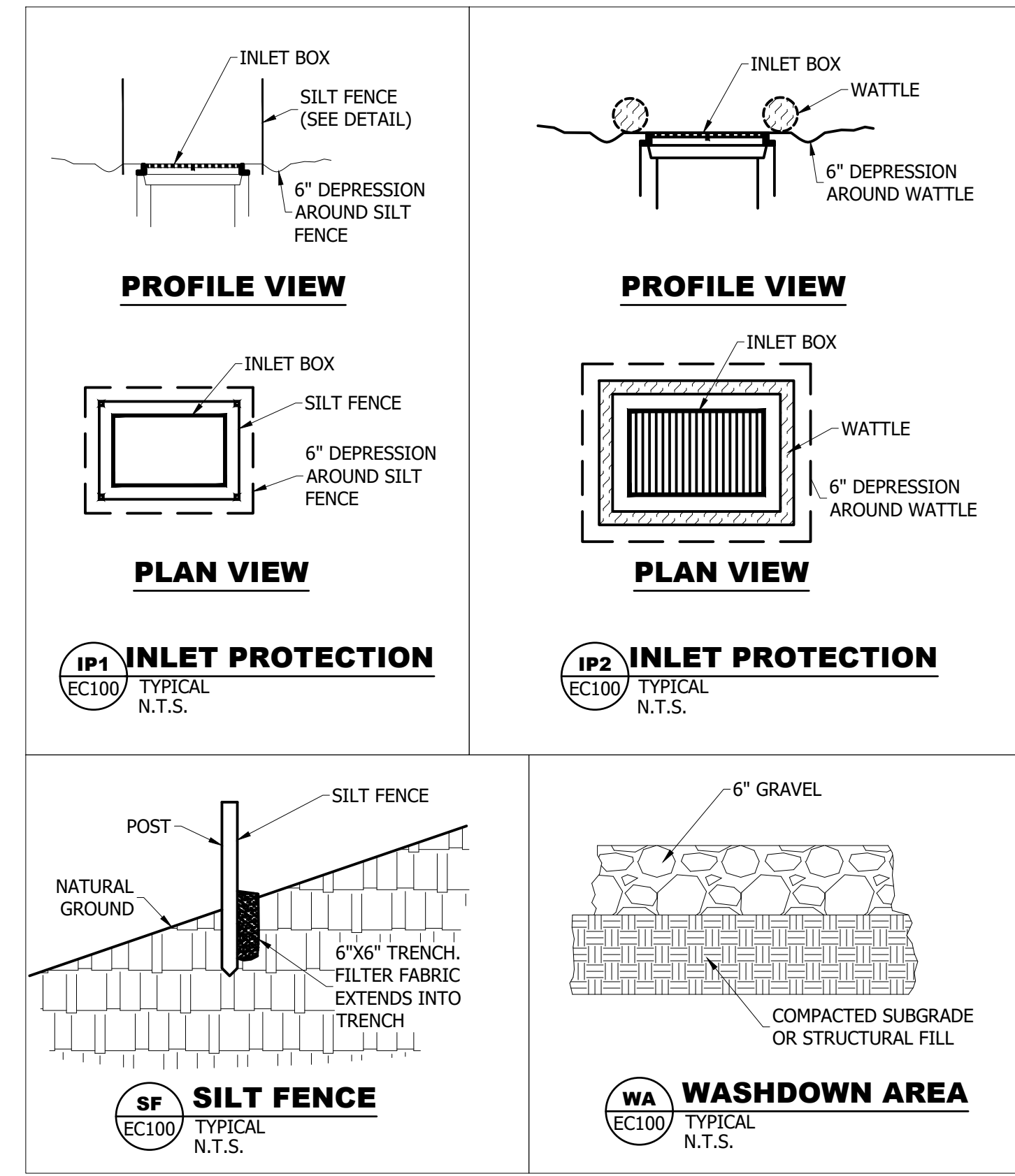
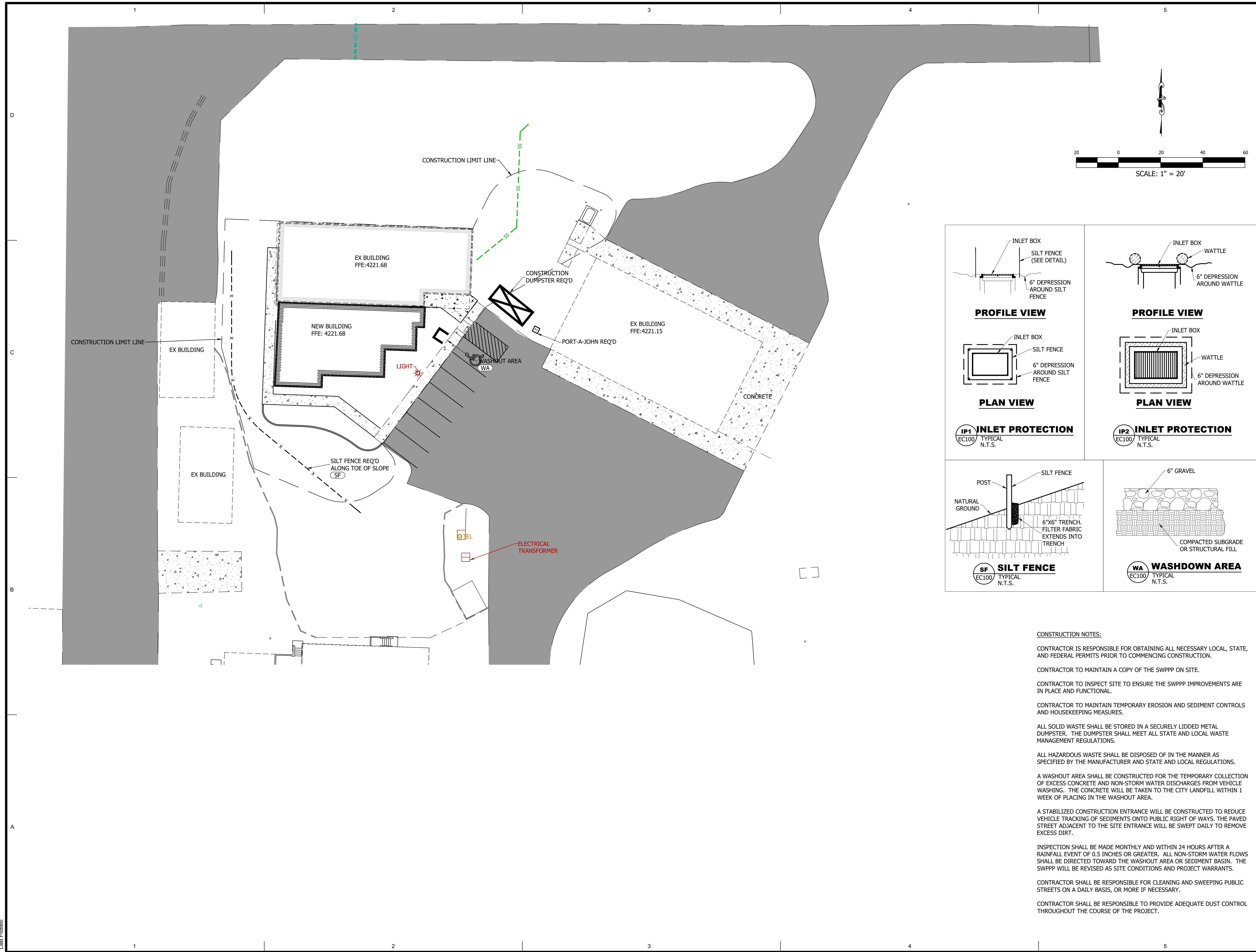
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SHEET TITLE:

DETAILS

SHEET NUMBER:

CE-106



CONSTRUCTION NOTES:

CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL, STATE, AND FEDERAL PERMITS PRIOR TO COMMENCING CONSTRUCTION.

CONTRACTOR TO MAINTAIN A COPY OF THE SWPPP ON SITE.

CONTRACTOR TO INSPECT SITE TO ENSURE THE SWPPP IMPROVEMENTS ARE IN PLACE AND FUNCTIONAL.

CONTRACTOR TO MAINTAIN TEMPORARY EROSION AND SEDIMENT CONTROLS AND HOUSEKEEPING MEASURES.

ALL SOLID WASTE SHALL BE STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER SHALL MEET ALL STATE AND LOCAL WASTE MANAGEMENT REGULATIONS.

ALL HAZARDOUS WASTE SHALL BE DISPOSED OF IN THE MANNER AS SPECIFIED BY THE MANUFACTURER AND STATE AND LOCAL REGULATIONS.

A WASHOUT AREA SHALL BE CONSTRUCTED FOR THE TEMPORARY COLLECTION OF EXCESS CONCRETE AND NON-STORM WATER DISCHARGES FROM VEHICLE WASHING. THE CONCRETE WILL BE TAKEN TO THE CITY LANDFILL WITHIN 1 WEEK OF PLACING IN THE WASHOUT AREA.

A STABILIZED CONSTRUCTION ENTRANCE WILL BE CONSTRUCTED TO REDUCE VEHICLE TRACKING OF SEDIMENTS ONTO PUBLIC RIGHT OF WAYS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEPED DAILY TO REMOVE EXCESS DIRT.

INSPECTION SHALL BE MADE MONTHLY AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. ALL NON-STORM WATER FLOWS SHALL BE DIRECTED TOWARD THE WASHOUT AREA OR SEDIMENT BASIN. THE SWPPP WILL BE REVISED AS SITE CONDITIONS AND PROJECT WARRANTS.

CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND SWEEPING PUBLIC STREETS ON A DAILY BASIS, OR MORE IF NECESSARY.

CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE DUST CONTROL THROUGHOUT THE COURSE OF THE PROJECT.

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CODE OFFICIAL STAMP:

PROJECT NAME:

**OGDEN BAY REFUGE
 WMA OFFICE BUILDING**

4796 SOUTH 7500 WEST
 HOOPER, UTAH 84315

REVISIONS:

NO.	DATE	DESCRIPTION

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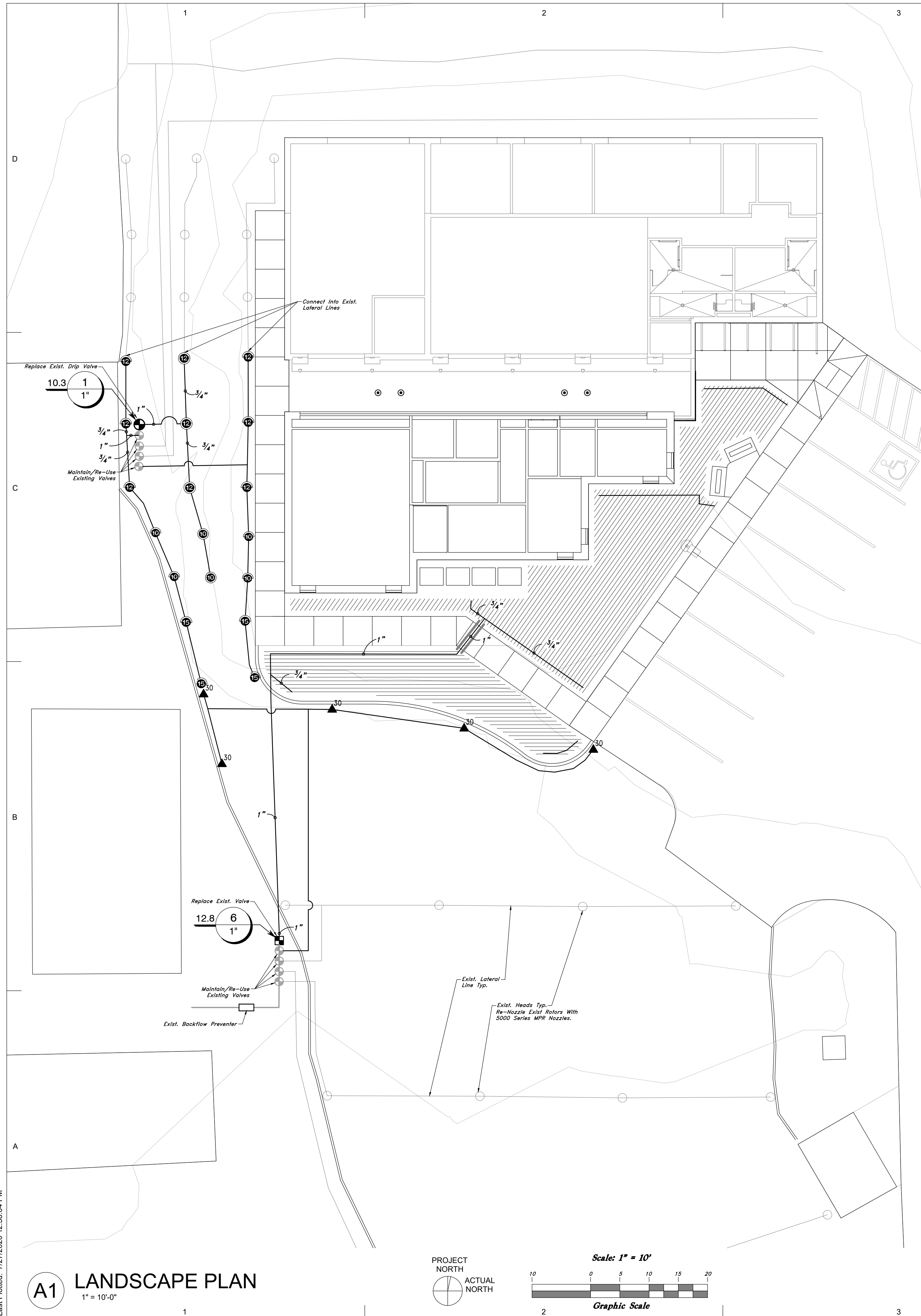
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SHEET TITLE:
EROSION CONTROL

SHEET NUMBER:
CE-107

Last Plotted:



IRRIGATION NOTES

1. Install irrigation wire under paved areas in separate PVC sleeve, size for number of wires.
2. Examine the site conditions, the subgrade and verify elevations. Notify the architect in writing of any unsatisfactory conditions. Do not begin landscape work until unsatisfactory conditions have been resolved.
3. Verify locations of all utilities and site features prior to any digging. Any damage to existing utilities and site features caused by this contractor shall be repaired at no additional expense to the owner.
4. Before any trenching, excavation, or digging, the contractor shall have the area "Blue Staked" and contact the appropriate utility companies. Contractor shall protect all utilities from damage.
5. All lines shall slope to drain, add manual drains at all mainline low points as necessary for complete drainage of the entire system. Indicate all drain locations on record drawings.
6. This drawing is diagrammatic and is intended to convey the general layout of irrigation system components. Field adjustments may be necessary to maintain full coverage in actual site conditions. Contact the landscape architect if significant changes are necessary. The contractor shall assume full responsibility for revisions to the irrigation system if the irrigation system is installed when site conditions differ from plan layout and the landscape architect was not informed.
7. Lateral and main lines shall be laid in common trenches in landscape areas wherever possible.
8. All piping and wiring under pavement shall be run through separate sleeves. Control wires not laid in a common trench with a main line shall be installed in a conduit of sufficient size.
9. All irrigation equipment not detailed shall be installed as per manufacturer recommendations, specifications, and details.
10. This system is designed to operate at 60 psi for rotor heads, 30 psi for spray heads, and 40 psi for all drip emitters.
11. The irrigation water source is an existing point of connection that will remain. If pressure varies from the expected 65-70 psi, contact landscape architect.
12. Supply products as specified. No substitutions will be allowed unless pre-approved in writing by the owner or landscape architect.
13. Contractor to supply all keys and attic stock per the specifications.
14. Contractor to shut down and winterize the irrigation system at the end of the first season and turn on the system at the beginning of the following season. This work is to be done in the presence of the owners' maintenance personnel.

IRRIGATION REMODEL NOTES

1. This project requires the remodel of an existing irrigation system. Protect and maintain portions of the existing system to remain.
2. Field verify the locations and sizes of the expected tie-ins for main lines and lateral lines.
3. Maintain and protect the existing controller (located in the building to the East) and existing control wires as they are to remain.
4. Existing route of irrigation control wiring is unknown. If existing wires are encountered during construction, re-route wires around the construction zone.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
Q T H F	Rain Bird 1806 10 Series MPR Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	30
Q T H TO F	Rain Bird 1806 12 Series MPR Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	30
Q T H TO F	Rain Bird 1806 15 Series MPR Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	30
OBHE-VAN 12HE-VAN 10HE-VAN 15HE-VAN	Rain Bird 1806 HE-VAN Series Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet.	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	GPM	RADIUS
▲ 30	Rain Bird 5006-PL-PC-MPR Turf Rotor, 6.0" Pop-Up, Plastic Riser, with Flow Shut-Off Device. Matched Precipitation Rotor (MPR Nozzle), Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige.	55		30'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
■	Rain Bird XCZPGA-100-PRF Medium Flow, 3-15gpm, with 1" PGA valve and 1" Pressure Regulating RBY filter and 40psi pressure regulator. It is 2 wire compatible residential control zone kit.
▨	Area to Receive Dripline Netalim TLCV-06-12 Techline Pressure Compensating Landscape Dripline with Check Valve. 0.6 GPH emitters at 12" O.C. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. 17mm.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
●	Rain Bird PESB-PRS-D 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulating Module, and Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.
—	Irrigation Lateral Line: PVC Schedule 40
- - -	Pipe Sleeve: PVC Class 200 SDR 21
○	Valve Callout
○ #	Valve Number
○ #	Valve Flow
○ #	Valve Size
—	Existing Mainline (Field Verify Location and Size)
- - -	Existing Lateral Line (Field Verify Location and Size)
○	Existing Irrigation Head
●	Existing Irrigation Valves

ARCHITECT'S INFORMATION

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PROFESSIONAL STAMP

STATE OF UTAH
 JAMES D. ZAUGG
 LICENSED LANDSCAPE ARCHITECT
 3095204
 01/17/2020

CODE OFFICIAL STAMP

REVIEWED FOR CODE COMPLIANCE
 SIGNATURE: [Signature]
 DATE: 06/14/2020
 CITY OF OGDEN, UTAH

PROJECT NAME:
OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

REVISIONS:

NO.	DATE	DESCRIPTION

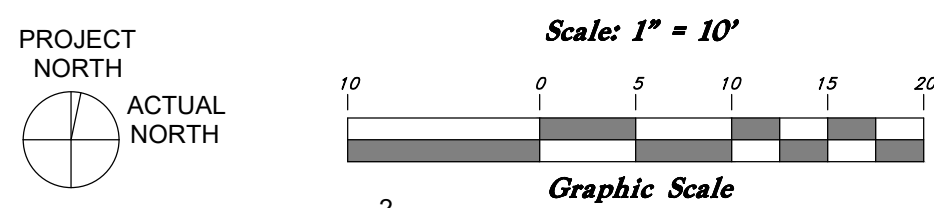
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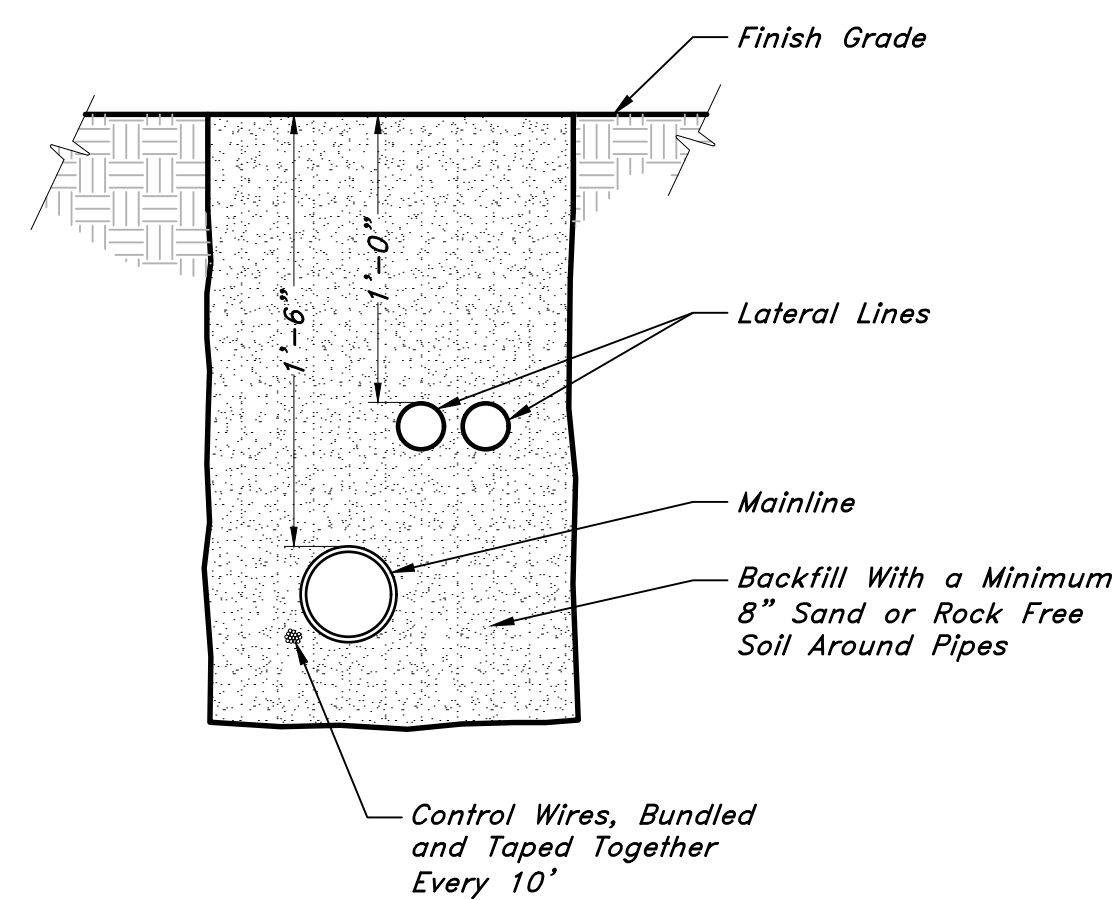
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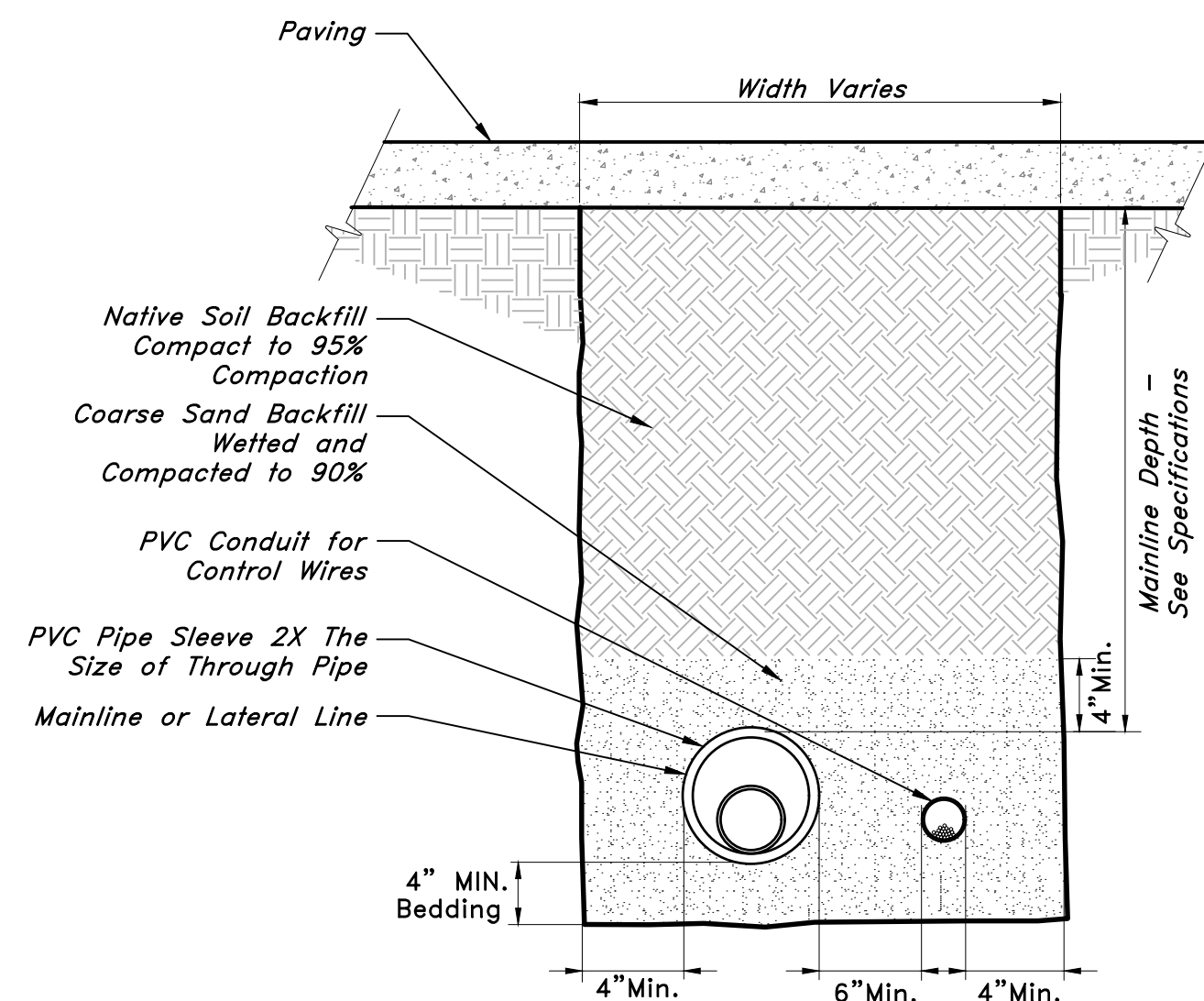
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A1 LANDSCAPE PLAN
 1" = 10'-0"

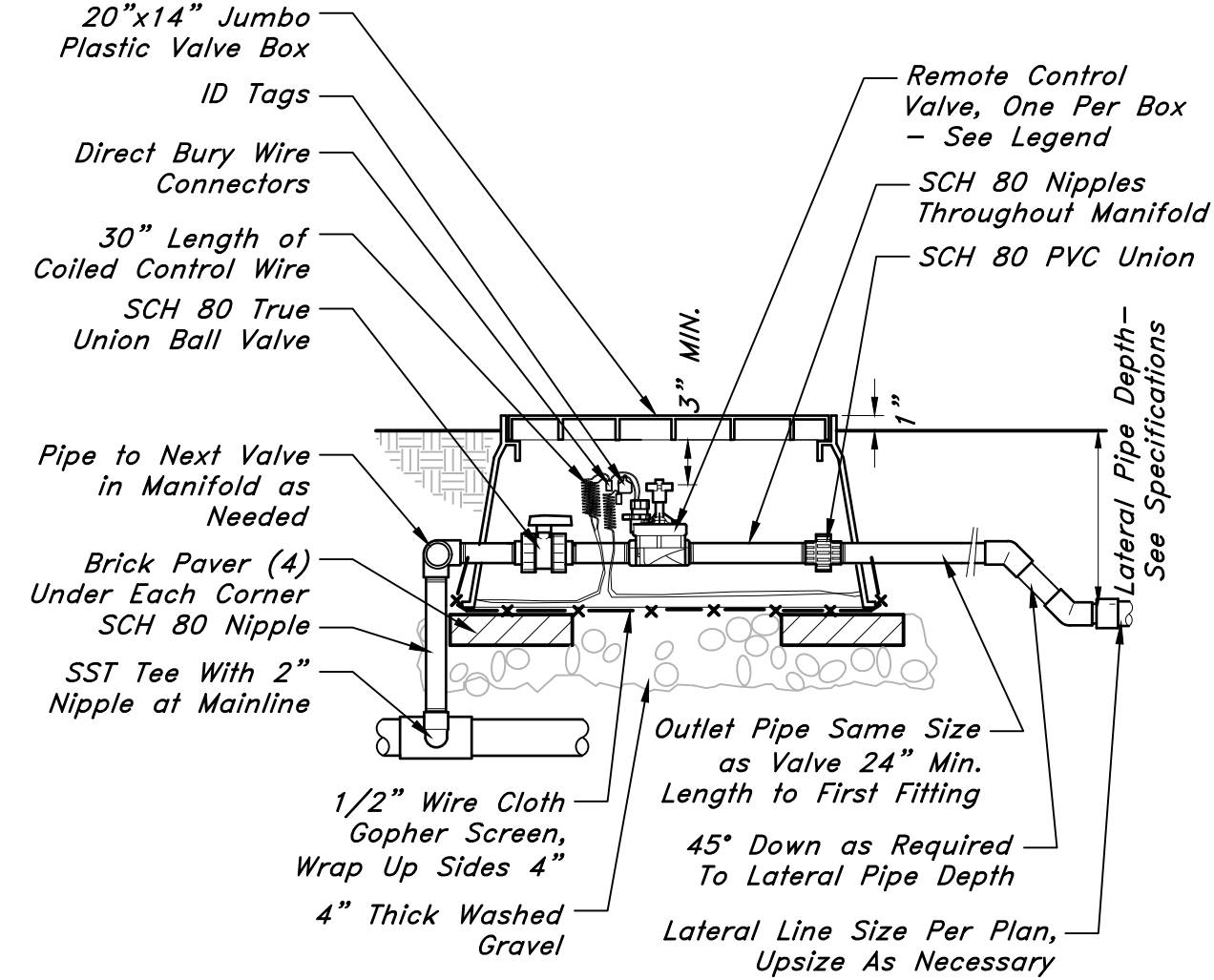




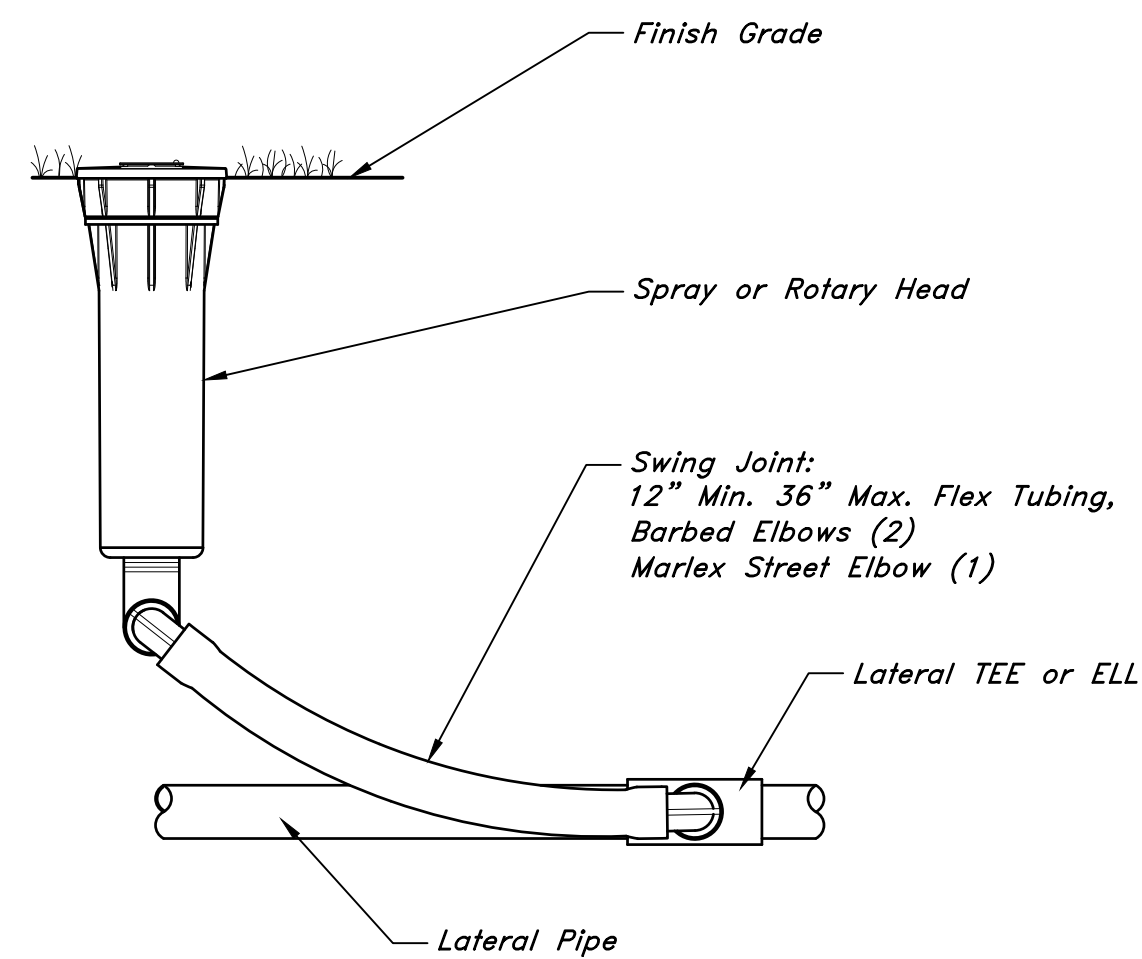
8 TRENCHING
 1 1/2" = 1'-0" 328401-02



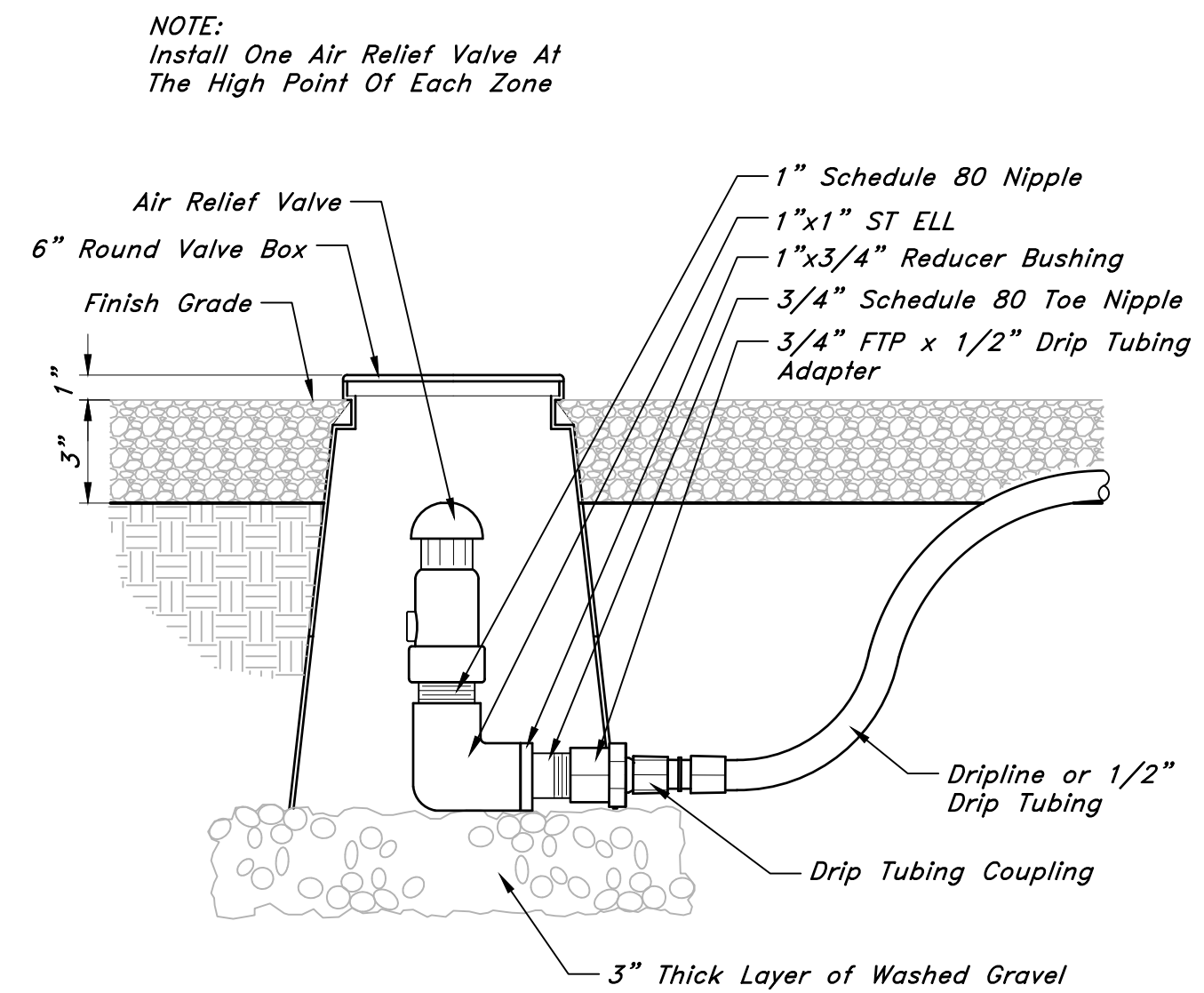
7 SLEEVING
 1 1/2" = 1'-0" 328401-01



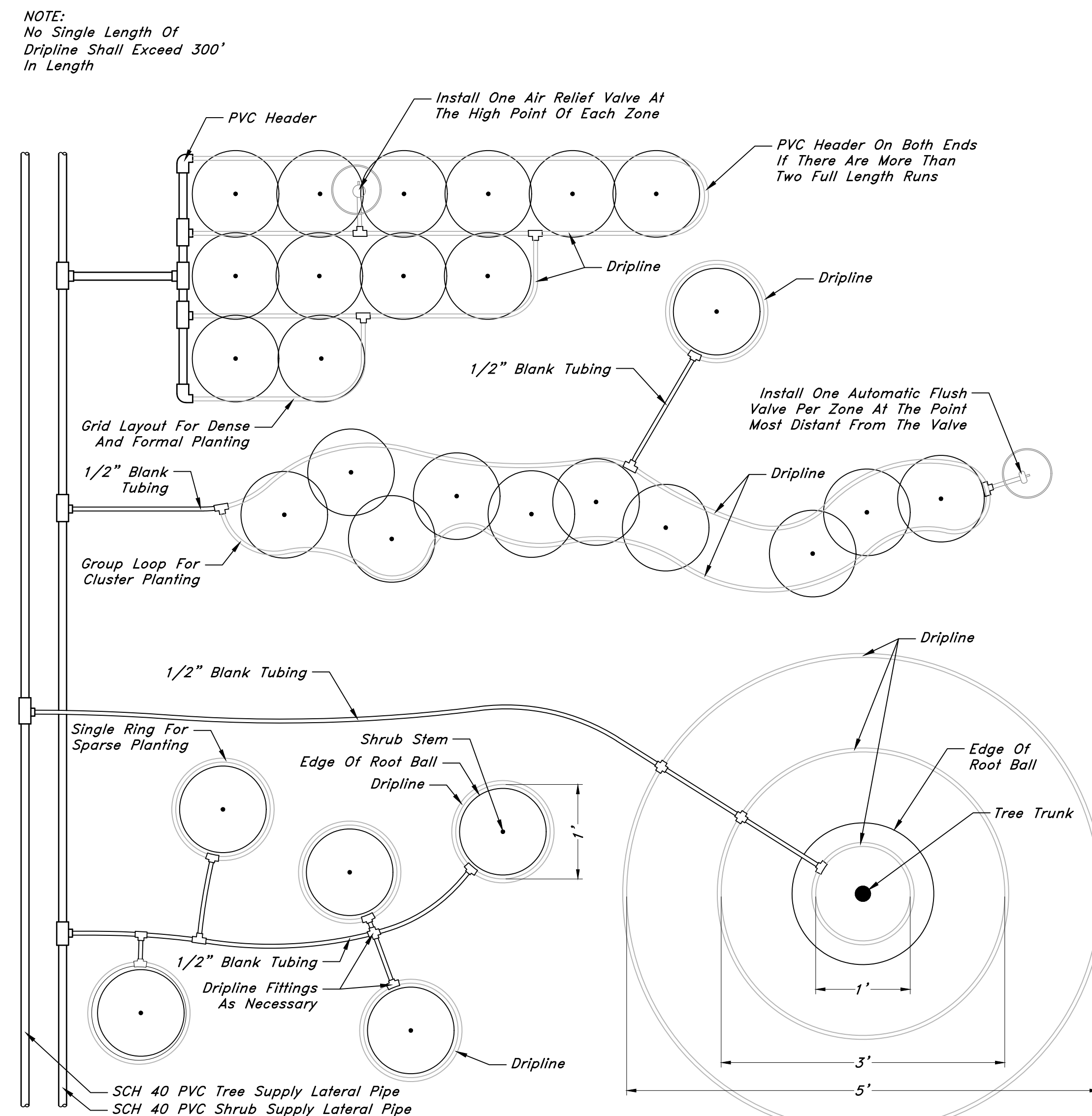
6 REMOTE CONTROL VALVE
 1" = 1'-0" 328406.13-08



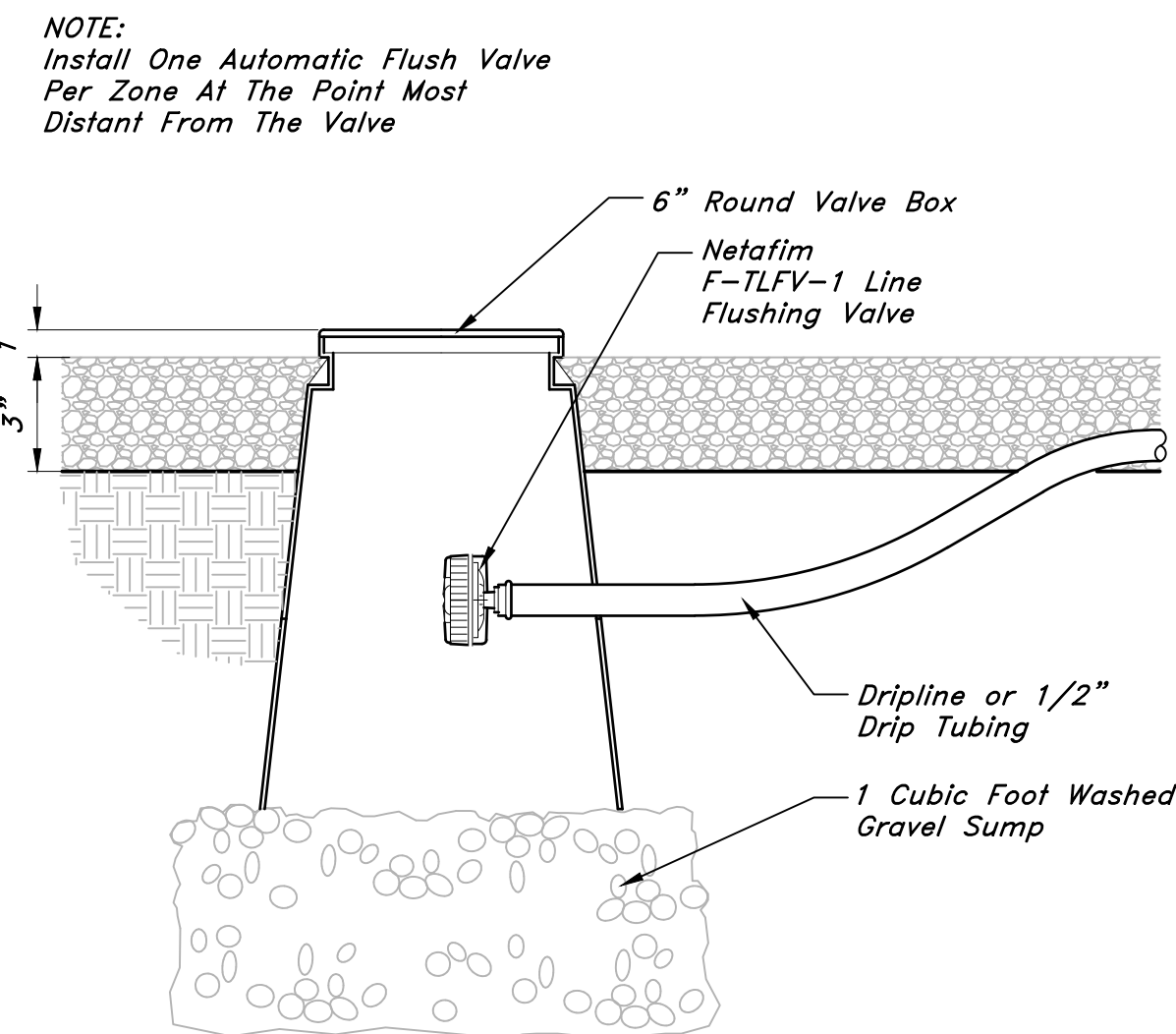
5 POP-UP SPRAY HEAD
 NTS 328403.01-02



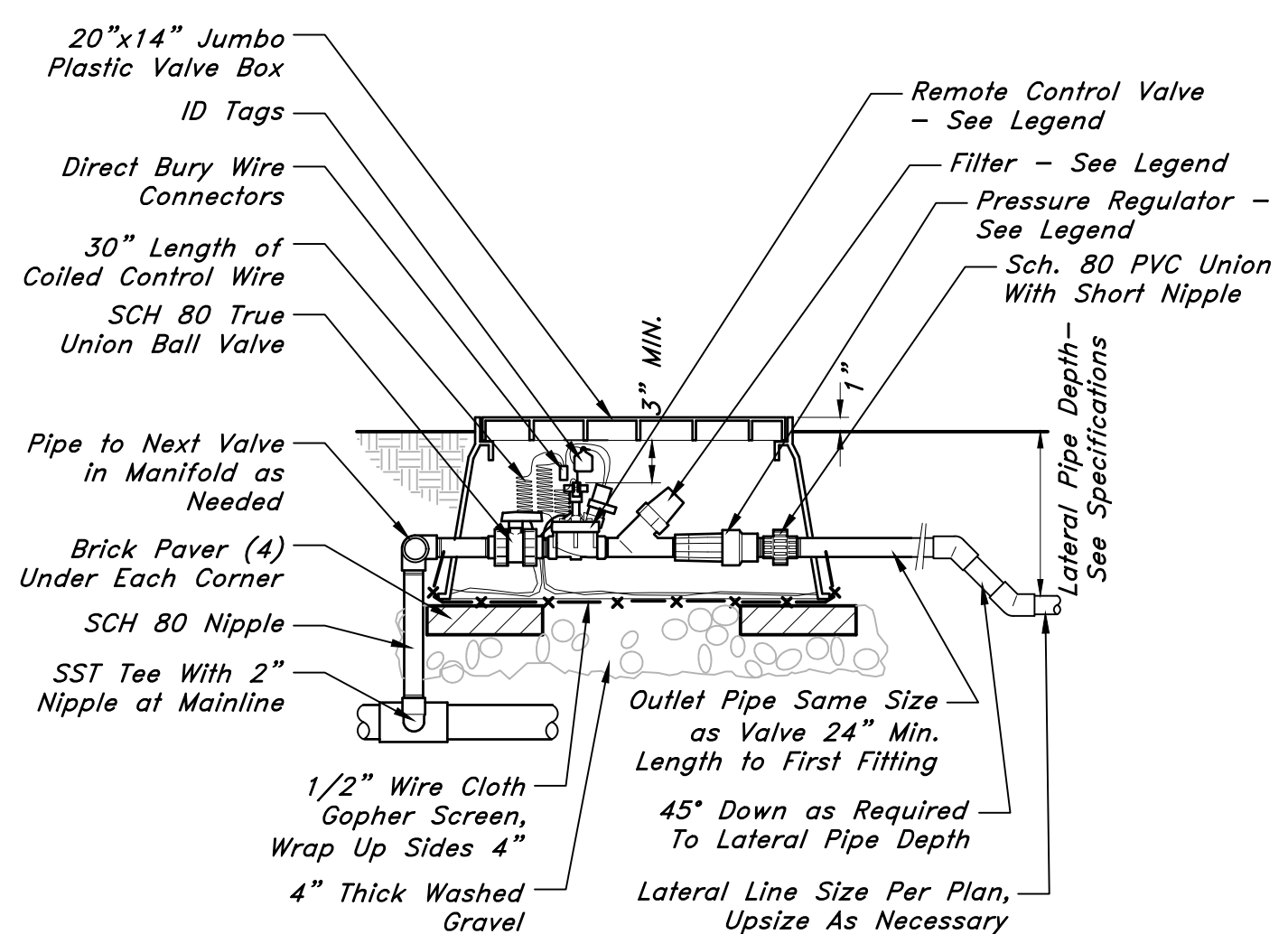
4 AIR RELIEF VALVE IN BOX
 3" = 1'-0" 328413.53-09



1 DRIPLINE LAYOUT AT TREES AND SHRUBS
 1" = 1'-0" 328413.43-02



3 FLUSH VALVE IN BOX
 3" = 1'-0" 328413.49-02



2 DRIP VALVE - CONTROL ZONE KIT
 1" = 1'-0" 328406.13-09

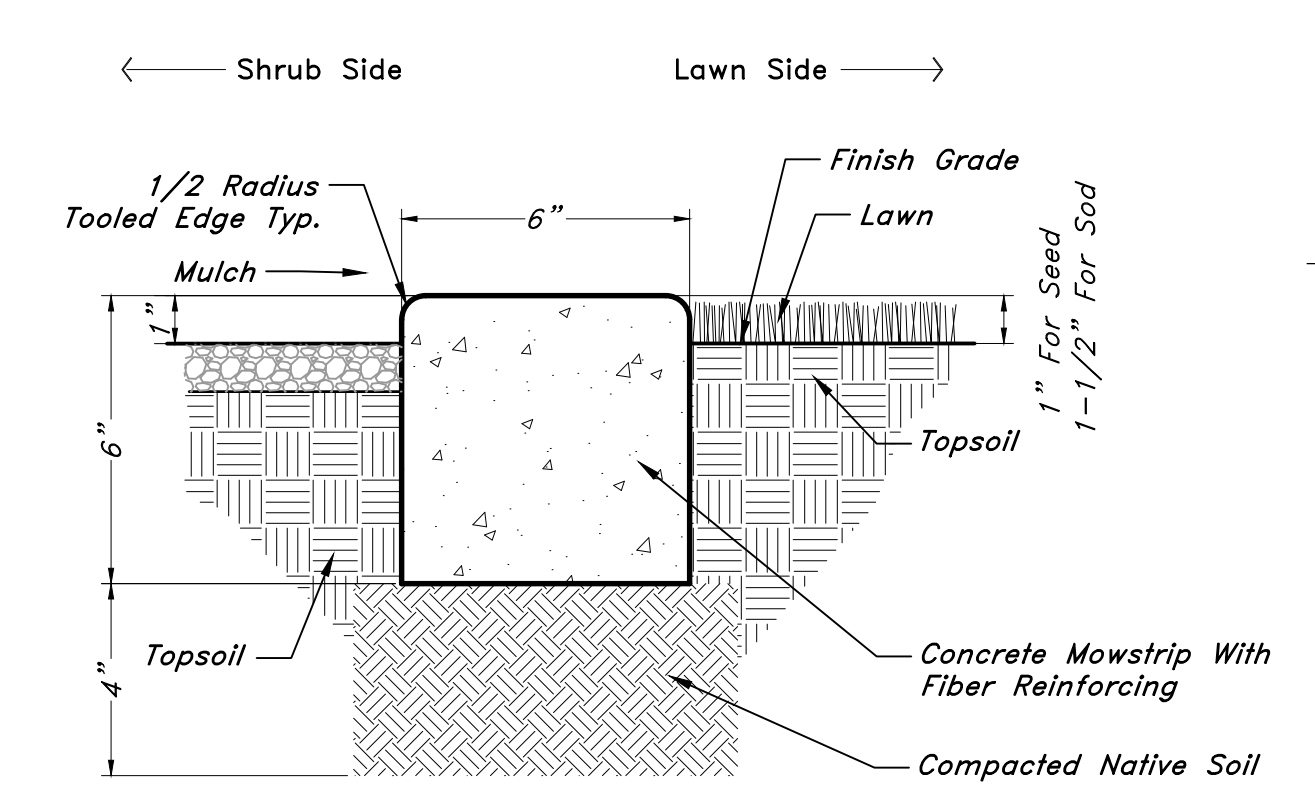
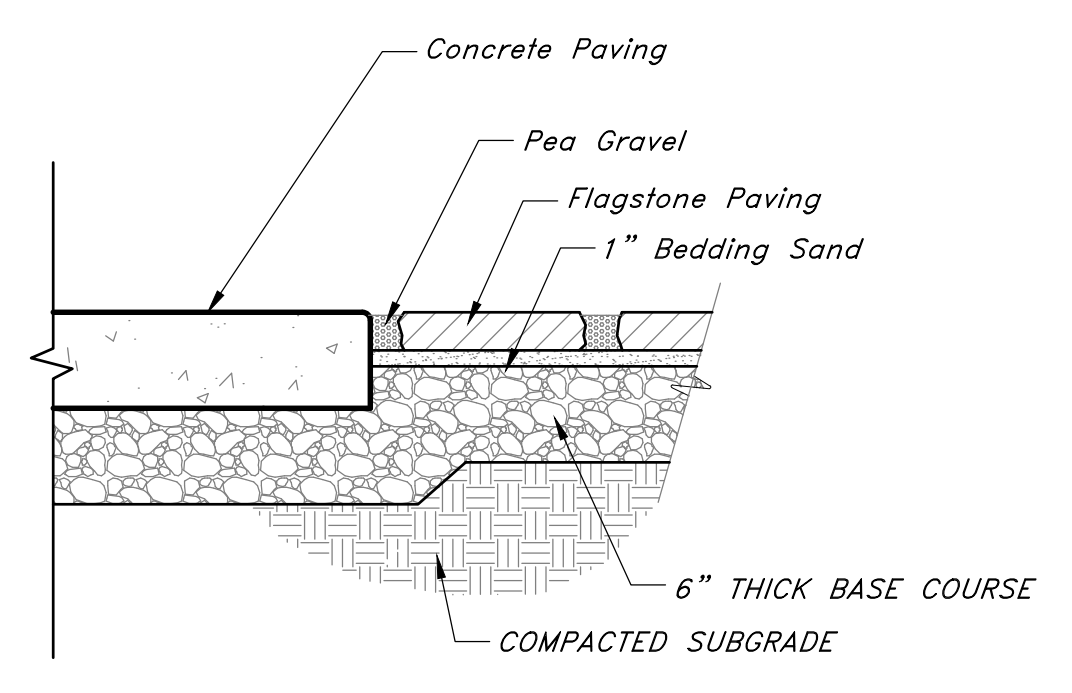


PLANTING NOTES

- EXAMINE THE SITE CONDITIONS, THE SUBGRADE AND VERIFY THE DEPTHS OF TOPSOIL AND MULCH. NOTIFY THE ARCHITECT IN WRITING OF ANY UNSATISFACTORY CONDITIONS. DO NOT BEGIN LANDSCAPE WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN RESOLVED.
- VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO ANY DIGGING. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THIS CONTRACTOR SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- TOPSOIL IS TO BE IMPORTED TO THE SITE. SCREEN AND AMEND AS NECESSARY TO MEET 'ACCEPTABLE' STANDARDS FOR TOPSOIL AS DESCRIBED IN 'TOPSOIL QUALITY GUIDELINES FOR LANDSCAPING' (KOEING, ISAMAN, UTAH STATE UNIVERSITY) <http://extension.usu.edu/tiles/publications/publication/AG-SO-02.pdf> CONTRACTOR IS RESPONSIBLE FOR PROVIDING 6" OF TOPSOIL FOR TURF AND 12" OF TOPSOIL FOR SHRUBS AND TREES.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FINISH GRADE ELEVATIONS. ALLOW FOR A MINIMUM OF 6" THICK MULCH LAYER. COORDINATE ROUGH GRADING WITH THE GENERAL CONTRACTOR.
- ALL PLANT MATERIAL MUST MEET THE SIZES AS INDICATED ON THE PLANT SCHEDULE. PLANT MATERIAL THAT DOES NOT MEET THE QUALITY STANDARDS OF THE PROJECT WILL BE REFUSED BY THE LANDSCAPE ARCHITECT.
- TURFGRASS SOD SHALL BE CERTIFIED NUMBER 1 QUALITY/PREMIUM SOD - SEE SPECIFICATIONS

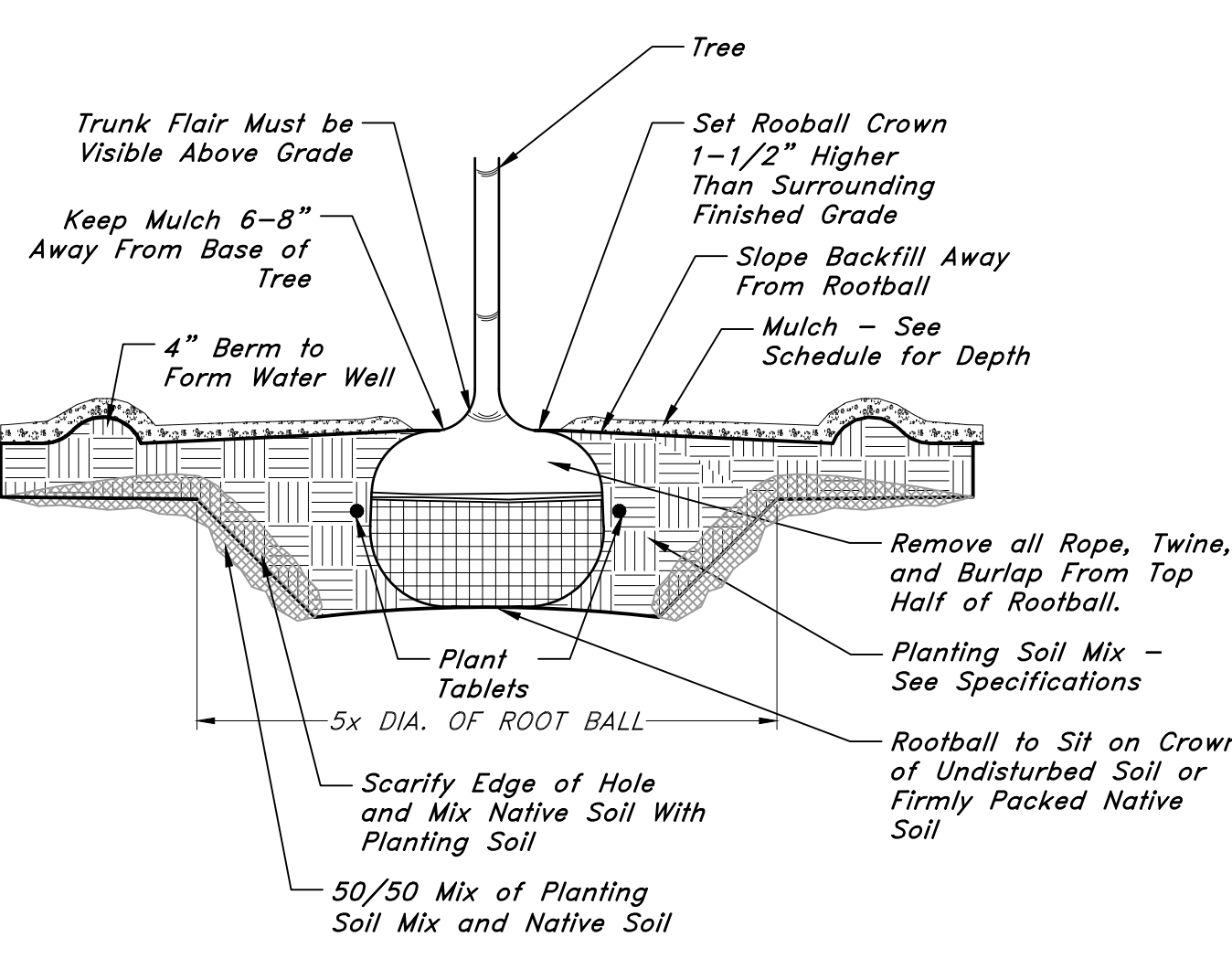
PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	
CRA RIV	3	<i>Crataegus douglasii</i> / Douglas Hawthorn	15 gal		
SAL AMY	2	<i>Salix amygdaloides</i> / Peach Leaf Willow	5 gal		
SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE		
AME UTA	3	<i>Amelanchier utahensis</i> / Utah Serviceberry	5 gal		
LON RKY	5	<i>Lonicera x 'Peaches & Cream'</i> / Honeysuckle Vine	5 gal		
PRU MEL	3	<i>Prunus virginiana melanocarpa</i> / Western Chokeberry	5 gal		
RHU AUT	2	<i>Rhus trilobata 'Autumn Amber'</i> / Autumn Amber Sumac	5 gal		
RIB GOL	8	<i>Ribes aureum</i> / Golden Currant	5 gal		
RIB RED	4	<i>Ribes rubrum 'Red Lake'</i> / Red Lake Red Currant	5 gal		
ROS WOO	11	<i>Rosa woodsii</i> / Mountain Rose	5 gal		
SAL REP	18	<i>Salix repens</i> / Creeping Willow	5 gal		
ANNUALS/PERENNIALS	QTY	BOTANICAL / COMMON NAME	SIZE		
ERI UMB	21	<i>Eriogonum umbellatum</i> / Sulflower Buckwheat	1 gal		
GER STI	36	<i>Geranium viscosissimum</i> / Sticky Geranium	5 gal		
PEN PEN	51	<i>Penstemon eatonii</i> / Firecracker Penstemon	1 gal		
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	TYPE	SP.
	10,391 sf	Existing Lawn	na		
	22 sf	Flagstone Paving / 1'-2' Flagstone Paving	na		
	720 sf	Kentucky Bluegrass Sod	na	Sod	
	1,708 sf	Shredded Bark Mulch 4" Deep	Mulch	Shredded	

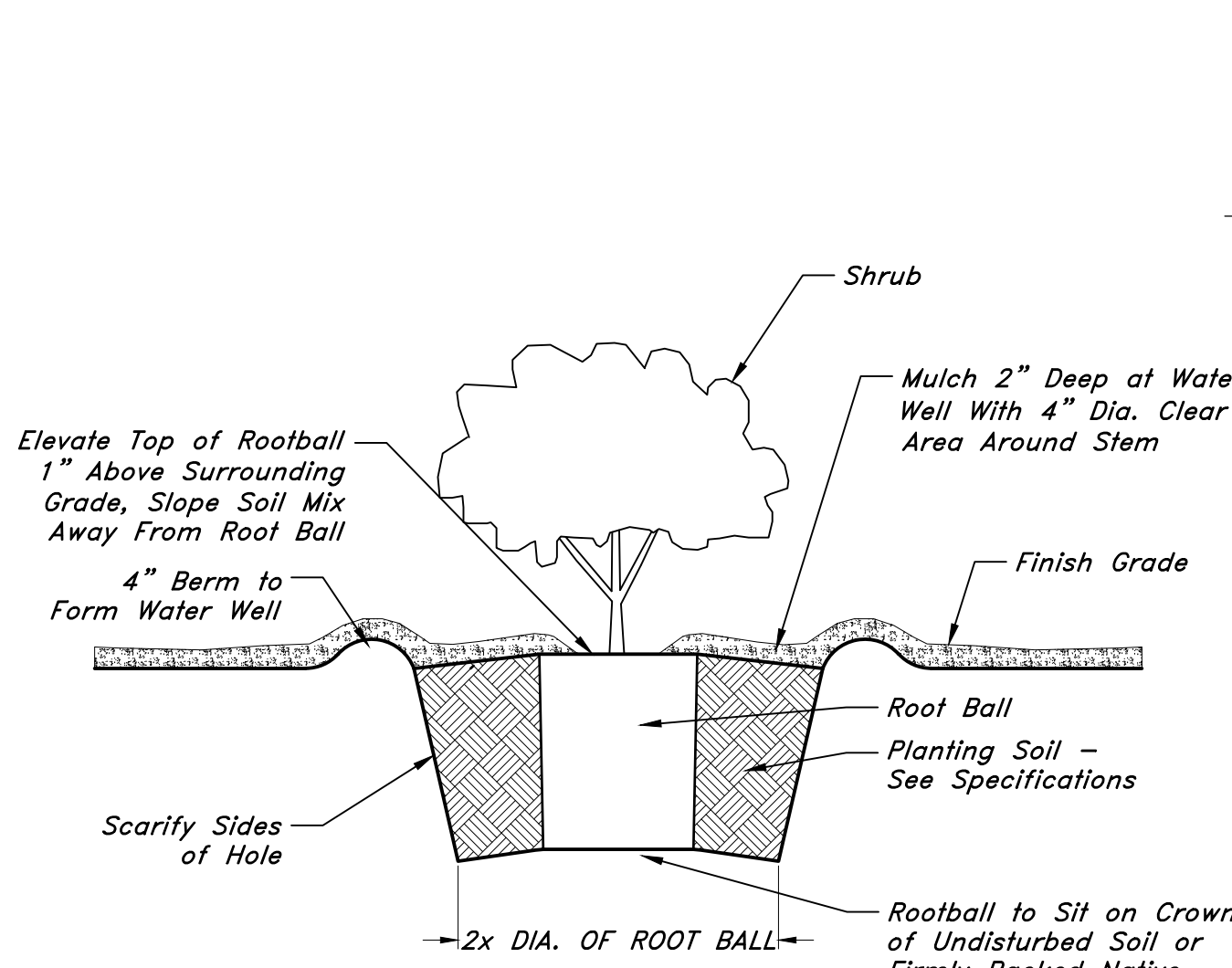


4 FLAGSTONE PAVING
1" = 1'-0" FX-SI-PAV-UNIT-05

3 6" MOWSTRIP
3" = 1'-0" 329413.19-07



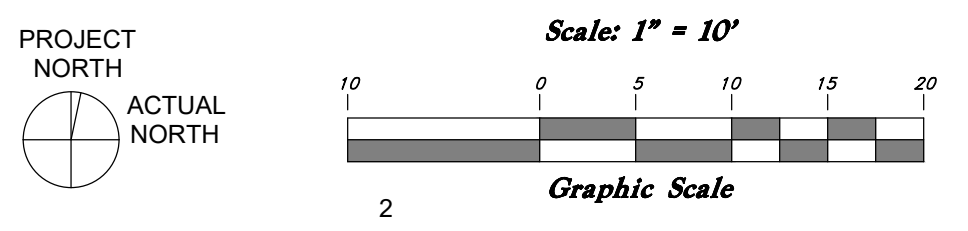
2 TREE PLANTING
NTS 32 9343.01-01



1 SHRUB PLANTING
NTS 32 9333.01-01

Last Plotted: 7/27/2020 12:58:04 PM

A1 LANDSCAPE PLAN
1" = 10'-0"



ARCHITECTS INFORMATION

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PROFESSIONAL STAMP

CODE OFFICIAL STAMP

PROJECT NAME:
OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

REVISIONS:

NO.	DATE	DESCRIPTION

ISSUED:

NO.	DATE	DESCRIPTION

OWNER PROJECT #: 20419520
SPE PROJECT #: 19-55
DRAWN BY: GTE
CHECKED BY: SPE
DESIGNED BY: SPE
COPYRIGHT: © 2020 SCOTT P. EVANS - ARCHITECT
SHEET TITLE:
LANDSCAPE PLAN
SHEET NUMBER:
LP-101

STRUCTURAL NOTES:

A. GENERAL

- THE STRUCTURAL NOTES ARE INTENDED TO COMPLEMENT THE PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONSTRUCTION DOCUMENTS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL GOVERN OVER THE STRUCTURAL NOTES AND TYPICAL DETAILS.
- THESE DRAWINGS (AND, WHERE APPLICABLE, ACCOMPANYING WRITTEN SPECIFICATIONS) ARE THE ONLY CONTRACT DOCUMENTS PROVIDED BY ARW ENGINEERS FOR THE PROJECT REPRESENTED HEREIN. NOTHING IN ANY DIGITAL MODEL OR DIGITAL FILE RELATED TO THIS PROJECT SHALL BE TAKEN TO SUPERSEDE ANY INFORMATION SHOWN IN THESE DRAWINGS (INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, SIZES, ETC.).
- THE ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. THE STRUCTURAL DRAWINGS ARE SUPPLEMENTARY TO AND MUST BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONSULTANTS DRAWINGS. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- SEE SPECIFICATIONS FOR REQUIRED SUBMITTALS. SUBMITTALS SHALL BE MADE IN A TIMELY MANNER AS INDICATED IN SPECIFICATIONS. REVIEW OF SUBMITTALS BY ARW ENGINEERS IS FOR GENERAL COMPLIANCE ONLY AND IS NOT INTENDED AS APPROVAL. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SIZES, DIMENSIONS, AND ELEVATIONS ON SUBMITTALS AS RELATED TO DESIGN DOCUMENTS. PREPARATION OF SHOP DRAWINGS FOR STRUCTURAL ELEMENTS WILL REQUIRE INFORMATION (I.E. DIMENSIONS, ETC.) FOUND IN THE ARCHITECTURAL, STRUCTURAL, AND OTHER CONSULTANTS DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE. IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION OF ANY AFFECTED ELEMENTS.
- THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT OR OTHER EQUIPMENT BEFORE FABRICATING AND ERECTING STRUCTURAL ELEMENTS. SIZES AND LOCATIONS THAT DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT.
- THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE ARCHITECT FOR ARCHITECT AND/OR ENGINEER APPROVAL BEFORE PROCEEDING WITH ANY CHANGES, MODIFICATIONS, OR SUBSTITUTIONS.
- OBSERVATION VISITS TO THE SITE BY ARW ENGINEERS FIELD REPRESENTATIVES SHALL NOT BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON STRUCTURE WITHIN THE LIMITS OF DESIGN LOADS AS NOTED IN THESE DOCUMENTS.
- TYPICAL OR SIMILAR DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN. TYPICAL OR SIMILAR DETAILS REFER TO THE CONDITION ADDRESSED AND ARE NOT NECESSARILY IDENTICAL TO THE TYPE OR 'SIMILAR' IN THE PLANS AND DOCUMENTS.
- DRAWINGS AND DETAILS HAVE BEEN PREPARED WITH THE INTENT TO VISUALLY REPRESENT INFORMATION PROVIDED IN SCALED FORM; HOWEVER CONTRACTOR/SUPPLIERS SHOULD NOT SCALE PLANS OR DETAILS FOR DIMENSIONAL INFORMATION.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS UNTIL THE ENTIRE STRUCTURAL SYSTEM IS COMPLETED. DESIGN OF ALL SHORING AND BRACING IS BY OTHERS AT NO ADDITIONAL COST TO THE OWNER.
- ENGINEER SHALL NOT BE RESPONSIBLE FOR ACTIVITIES UNDER CONTROL OF THE CONTRACTOR SUCH AS CONSTRUCTION SITE SAFETY, MEANS, METHODS AND SEQUENCING OF CONSTRUCTION. ENGINEER SHALL NOT BE RESPONSIBLE FOR FABRICATION, ERECTION AND CONSTRUCTION REQUIREMENTS AS DESCRIBED BY OSHA OR OTHER REGULATORY AGENCIES REGARDLESS OF INDICATIONS IN THESE DOCUMENTS.
- NOTICE OF COPYRIGHT: THESE STRUCTURAL DRAWINGS ARE HEREBY COPYRIGHTED BY ARW ENGINEERS. ALL RIGHTS RESERVED. THESE DOCUMENTS DEFINE A STRUCTURE AND ARE INSTRUMENTS OF SERVICE, FOR ONE USE ONLY. REPRODUCTION AND DISTRIBUTION OF THESE DRAWINGS IS ONLY ALLOWED AS REQUIRED FOR REGULATORY AGENCIES AND FOR CONVEYANCE OF INFORMATION TO PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. THESE DOCUMENTS SHALL NOT BE REPRODUCED OR COPIED, IN PART OR WHOLE BY ANY PARTY FOR USE IN PREPARATION OF SHOP DRAWINGS OR OTHER SUBMITTALS.
- WHERE THE WORD "SHALL" OCCURS IN THESE DRAWINGS AND ANY ACCOMPANYING SPECIFICATIONS, IT IS CONSIDERED A MANDATORY OBLIGATION AND SYNONYMOUS WITH THE PHRASE "HAS DUTY TO".

B. STATEMENT OF SPECIAL INSPECTIONS AND SPECIAL INSPECTIONS

- THE DESIGNATED SEISMIC/WIND SYSTEMS AND SEISMIC/WIND-FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.11 AND 1705.12 ARE IDENTIFIED IN THE SPECIAL INSPECTION SCHEDULE. ALL OTHER ITEMS REQUIRING SPECIAL INSPECTION ARE IDENTIFIED IN THE SPECIAL INSPECTION SCHEDULE ON SHEET S004.
- SPECIAL INSPECTIONS AND TESTING ARE TO BE PROVIDED AS REQUIRED BY IBC SECTIONS 1704 THROUGH 1705 AND OTHER APPLICABLE SECTIONS OF THE IBC. THE TYPE AND FREQUENCY OF TESTING AND SPECIAL INSPECTIONS SHALL BE AS NOTED IN THE SPECIAL INSPECTION SCHEDULE. JOB SPECIFICATIONS AND IBC SECTION 1710 AND CHAPTER 17. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH REQUIRED INSPECTIONS.
- ALL TESTING AND SPECIAL INSPECTION SHALL BE PROVIDED BY A QUALIFIED INDEPENDENT SPECIAL INSPECTION AGENCY IN ACCORDANCE WITH IBC 1704 AND AS OUTLINED IN THE JOB SPECIFICATIONS. REPORTS OF FINDINGS OR DISCREPANCIES SHALL BE NOTED AND FORWARDED TO THE CONTRACTOR, ARCHITECT, ENGINEERS, AND BUILDING OFFICIAL IN A TIMELY MANNER.
- STRUCTURAL OBSERVATION VISITS SHALL BE PERFORMED BY A REPRESENTATIVE FROM ARW ENGINEERS IN ACCORDANCE WITH THE CONTRACT AS NEEDED TO OBSERVE THE CONSTRUCTION OF CRITICAL BUILDING ELEMENTS (I.E. FOOTINGS, BRACED FRAMES, MOMENT FRAMES, DRAG STRUTS AND THEIR CONNECTIONS, COLLECTORS, AND ROOF AND FLOOR DIAPHRAGMS). STRUCTURAL OBSERVATION REPORTS FOR EACH VISIT SHALL BE SENT DIRECTLY TO THE ARCHITECT FOR DISTRIBUTION TO THE CONTRACTOR AND BUILDING OFFICIAL. STRUCTURAL OBSERVATION VISITS SHALL NEITHER BE CONSTRUED AS SPECIAL INSPECTION NOR APPROVAL OF COMPLETED CONSTRUCTION.
- IN ACCORDANCE WITH IBC 1704.4, THE CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER. THE STATEMENT SHALL BE SUBMITTED PRIOR TO THE CONSTRUCTION OF ANY SEISMIC/WIND-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC/WIND SYSTEM, OR COMPONENT IDENTIFIED IN THESE DOCUMENTS WITH A CIRCLE "L".

C. BASIS OF DESIGN

- GOVERNING BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC) 2018
- RISK CATEGORY: II
- ROOF LOADS
 - FLAT-ROOF SNOW LOAD, P_f : 23 PSF
 - GROUND SNOW LOAD, P_g : 33 PSF
 - SNOW EXPOSURE FACTOR, C_e : 1.0
 - SNOW LOAD IMPORTANCE FACTOR, I_s : 1.0
 - THERMAL FACTOR, C_t : 1.0
 - SLOPE FACTOR, C_s : 1.0
 - SNOW DRIFT: SHOWN ON PLANS WHERE APPLICABLE.
 - LIVE LOAD = 20 PSF
 - DEAD LOAD = 25 PSF
 - RAIN INTENSITY, i : 1.5 IN/HR
- WIND DESIGN
 - BASIC WIND SPEED (3 SECOND GUST): 103 MPH
 - ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD} : 80 MPH
 - WIND EXPOSURE: C
 - INTERNAL PRESSURE COEFFICIENT, G_{P1} : +/- 0.18
 - COMPONENT AND CLADDING DESIGN WIND PRESSURE SHALL BE AS REQUIRED PER ASCE 7-16.
- SEISMIC DESIGN
 - SEISMIC IMPORTANCE FACTOR, I_e : 1.0
 - SITE CLASS: D (DEFAULT)
 - MAPPED SPECTRAL RESPONSE ACCELERATIONS: $S_s = 0.873$, $S_1 = 0.314$
 - SPECTRAL RESPONSE COEFFICIENTS: $S_{D1} = 0.698$, $S_{D2} = 0.416$
 - SEISMIC DESIGN CATEGORY: D
 - BASIC SEISMIC-FORCE-RESISTING SYSTEM: LIGHT-FRAME WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE
 - DESIGN BASE SHEAR: $V_{NS} = 18.5$ KIP, $V_{EW} = 18.5$ KIP
 - SEISMIC RESPONSE COEFFICIENT, C_s : 0.107
 - RESPONSE MODIFICATION FACTOR, R : 6.5
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

D. FOUNDATION

- GENERAL
 - DESIGN SOIL PRESSURE: 2,000 PSF
 - SOILS REPORT BY: GSH GEOTECHNICAL, INC. REPORT #: 0128-123-20 DATED: MARCH 16, 2020
 - SOIL PREPARATION UNDER FOUNDATIONS AND SLABS-ON-GRADE SHALL BE IN ACCORDANCE WITH THE SOILS REPORT.
 - TOP OF FOOTING ELEVATIONS SHOWN ON THE FOOTING AND FOUNDATION PLAN ARE BASED ON PRELIMINARY GRADING INFORMATION AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. STEPS WHERE SHOWN ARE AT APPROXIMATE LOCATIONS. ACTUAL STEP LOCATIONS SHALL BE AT THE CONTRACTOR'S DISCRETION BASED UPON FIELD CONDITIONS. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 30 INCHES BELOW LOWEST ADJACENT FINAL GRADE.
 - ALL WALLS (EXCEPT CANTILEVERED RETAINING WALLS) SHALL BE ADEQUATELY BRACED AGAINST LATERAL MOVEMENT PRIOR TO BACKFILLING. DESIGN AND ERECTION OF BRACING/SHORING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. BRACING SHALL REMAIN IN PLACE UNTIL SUPPORTING STRUCTURAL ELEMENTS ARE IN PLACE AND HAVE ATTAINED FULL STRENGTH.
 - UNLESS NOTED OTHERWISE, ALL FOOTINGS AT COLUMNS SHALL BE CENTERED BELOW COLUMNS.
 - UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL HAVE VERTICAL FACES FORMED WITH STANDARD FORMING MATERIALS (WOOD, METAL, ETC.) WITH PRIOR APPROVAL OF ARCHITECT AND ENGINEER. CONCRETE FOR FOOTINGS CAN BE PLACED IN EXCAVATED SOIL "FORMS" PROVIDED THAT THE DIMENSIONS ARE INCREASED 3" ON ALL SIDES.

E. CONCRETE

- ALL CONCRETE MIX DESIGNS SHALL COMPLY WITH THE PROJECT SPECIFICATIONS AND THE REQUIREMENTS LISTED BELOW:
 - FOOTINGS, GRADE BEAMS, FOUNDATION WALLS:
 - WHERE THE TOP OF THE ELEMENT IS EXPOSED OR IS LOCATED WITHIN 30" OF THE LOWEST ADJACENT GRADE (EXPOSURE CATEGORY F2):
 - 28 DAY COMPRESSIVE STRENGTH: 4500 PSI
 - MAXIMUM W/C RATIO: 0.45
 - MAXIMUM AGGREGATE SIZE: 1"
 - AIR CONTENT: 4.5% +/- 1.5%
 - WHERE THE TOP OF THE ELEMENT IS NOT EXPOSED OR IS NOT LOCATED WITHIN 30" OF THE LOWEST ADJACENT GRADE (EXPOSURE CATEGORY F0):
 - 28 DAY COMPRESSIVE STRENGTH: 3000 PSI
 - INTERIOR SLABS ON GRADE (EXPOSURE CATEGORY F0):
 - 28 DAY COMPRESSIVE STRENGTH: 3000 PSI
- WATER USED IN MIXING CONCRETE SHALL CONFORM TO ASTM C1602.
- NO PIPES, DUCTS, SLEEVES, ETC. SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. NO ALUMINUM PRODUCTS SHALL BE EMBEDDED IN CONCRETE. PENETRATIONS THRU STRUCTURAL CONCRETE ELEMENTS MUST BE APPROVED BY THE ENGINEER AND SHALL BE BUILT INTO THE ELEMENT PRIOR TO CONCRETE PLACEMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, ETC. TO BE CAST IN TO CONCRETE, AND FOR EXTENT AND LOCATION OF DEPRESSIONS, CURBS, RAMPS, ETC.
- UNLESS NOTED OTHERWISE, MINIMUM REINFORCING IN ALL CONCRETE FOUNDATION WALLS SHALL BE AS FOLLOWS:

THICKNESS	TOP & BOTTOM BARS	VERTICAL	HORIZONTAL
8"	(2) #5	#4 AT 18" O.C.	#4 AT 12" O.C.
15"	(2) #5	#4 AT 12" O.C. EA FACE	#4 AT 12" O.C. EA FACE
- UNLESS NOTED OTHERWISE, CONCRETE SLABS ON EARTH SHALL BE REINFORCED AS FOLLOWS:
 - 4" THICK - UNREINFORCED
 - UNLESS NOTED OTHERWISE, FOR NON-DETAILED OPENINGS IN CONCRETE WALLS LARGER THAN 12" AND SMALLER THAN 24" IN ANY DIRECTION ADD (2) #5 BARS ON ALL SIDES IN ADDITION TO REGULAR WALL REINFORCING AND EXTEND 24" EACH WAY BEYOND OPENING. IF 24" IS NOT AVAILABLE ON EVERY SIDE, NOTIFY STRUCTURAL ENGINEER FOR FURTHER DIRECTION. OPENINGS SHALL HAVE A MINIMUM OF 12" OF CONCRETE ABOVE THE OPENING, TYP.
 - CONSTRUCTION JOINTS NOT SHOWN ON THE PLANS SHALL BE MADE AND LOCATED SO AS TO NOT IMPAIR THE STRENGTH OF THE STRUCTURE AND AS APPROVED BY THE STRUCTURAL ENGINEER. PROVIDE 2 X 4 (SHAPE) KEYWAY IN ALL VERTICAL AND HORIZONTAL JOINTS UNLESS NOTED OR DETAILED OTHERWISE. ALL STEEL REINFORCING SHALL BE CONTINUOUS THROUGH COLD JOINTS UNLESS NOTED OTHERWISE. SEE TYPICAL DETAILS FOR COLD/CONSTRUCTION JOINTS FOR SLABS ON GRADE.
 - WHERE NEW CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE JOINT SHALL BE CLEAN AND FREE OF LAITANCE. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE PREWETTED AND STANDING WATER REMOVED.
 - FOOTINGS AND FOUNDATION WALLS HAVE BEEN DESIGNED USING A 28-DAY COMPRESSIVE STRENGTH OF 2500 PSI. SPECIAL INSPECTIONS ARE NOT REQUIRED.

F. ANCHOR BOLTS/EMBEDDED BOLTS

- ALL ANCHOR BOLTS SHALL HAVE ASTM A-563 HEAVY HEX NUT AND ASTM F-436 WASHERS AT STANDARD OR OVERSIZED HOLES PER AISC SPECIFICATION TABLE J3.3. WHERE HOLE SIZES DO NOT COMPLY WITH THE LIMITATIONS OR OVERSIZED HOLES THE STRUCTURAL ENGINEER SHALL BE NOTIFIED TO DETERMINE STEEL PLATE WASHER REQUIREMENTS. ANCHOR BOLTS SHALL COMPLY WITH THE FOLLOWING:
 - AT WOOD STUD WALLS - ASTM A-307 GRADE HEADED BOLTS. ANCHOR BOLTS IN TREATED LUMBER SHALL BE GALVANIZED OR STAINLESS STEEL. SEE TIMBER NOTES FOR MORE INFORMATION.
 - AT ALL OTHER ANCHOR BOLTS (UNLESS NOTED OTHERWISE) - ASTM F1554 GRADE 36 HEADED BOLTS. (ASTM A36 THREADED ROD MAY BE USED WITH DOUBLE NUT AND WASHER.)
- SEE TYPICAL ANCHOR BOLT DETAIL FOR DEFINITIONS OF EMBEDMENT LENGTH, ETC.
- FURNISH PLATES AND OTHER DEVICES AS NECESSARY FOR PRESETTING ALL BOLTS PRIOR TO PLACING CONCRETE AND/OR GROUT.
- IF THREADED RODS ARE USED AS PERMITTED ABOVE, THEY SHALL BE CLEAR OF SOIL AND DIRT.
- WHERE REQUIRED FOR ERECTION, HOLES LARGER THAN OVERSIZED MAY BE PERMITTED WITH THE USE OF STEEL PLATE WASHERS AT THE DISCRETION OF THE STRUCTURAL ENGINEER.

G. MASONRY VENEER

- MASONRY VENEER SHALL BE ANCHORED USING THE HOHMANN AND BARNARD VENEER ANCHOR ASSEMBLY SYSTEM, OR AN APPROVED EQUAL. REGARDLESS OF BACK-UP SYSTEM, PROVIDE A CONTINUOUS HORIZONTAL 9 GAUGE WIRE AT 16" O.C. IN VENEER MORTAR JOINTS FOR ANCHOR ATTACHMENT. POSITIVE ANCHORAGE TO THE WIRE USING SEISMIC/INTERLOCK SYSTEM SHALL BE PROVIDED TO SUPPORT NOT MORE THAN 2 SQUARE FEET OF WALL, WITH A HORIZONTAL SPACING NOT EXCEEDING 18".
 - WOOD STUDS: USE HOHMANN AND BARNARD HB-213 S.I.S. (SEISMILIP INTERLOCK SYSTEM) HEAVY DUTY ANCHORS OR AN APPROVED EQUAL. THE HB-213 ASSEMBLY SHALL BE ATTCH TO WOOD STUDS USING #12 X 2" WOOD SCREW.

H. ADHESIVE/MECHANICAL ANCHORS

- WITHOUT WRITTEN APPROVAL OF THE ENGINEER, CONTRACTOR SHALL NOT SUBSTITUTE POST-INSTALLED ANCHORS WHERE CAST-IN-PLACE ANCHORS ARE SPECIFIED IN THE DRAWINGS.
- WHERE STRUCTURAL DRAWINGS SPECIFY SPECIFIC BRAND AND/OR TYPES OF ADHESIVES OR ANCHORS, SUBSTITUTIONS OF OTHER BRANDS AND/OR TYPES IS NOT ALLOWED, WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
- SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC ESR OR IAPMO REPORT AND SUPPORTING CALCULATIONS INDICATING COMPLIANCE WITH DESIGN INTENT.
- ALL ADHESIVE/MECHANICAL ANCHORS SHALL BE INSTALLED, INCLUDING HOLE DRILLING AND PREPARATION, IN ACCORDANCE WITH AN APPROVED INDEPENDENT EVALUATION REPORT (ICC-ES, IAPMO, OR APPROVED EQUAL), AS INDICATED BELOW, AND IN ACCORDANCE WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
- ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION. ADHESIVE ANCHORS SHALL NOT BE FULLY LOADED UNTIL CONCRETE HAS REACHED DESIGN STRENGTH.
- UNLESS APPROVED BY THE ENGINEER OF RECORD, CONCRETE AND DRILLED ANCHOR HOLES SHALL BE DRY AND FREE OF WATER FOR 24 HOURS PRIOR TO ADHESIVE INSTALLATION. CONTACT THE ENGINEER OF RECORD FOR GUIDANCE IF THE CONTRACTOR CHOOSES TO INSTALL IN WET OR DAMP HOLES.
- CONCRETE TEMPERATURE AT THE TIME OF INSTALLATION SHALL BE MONITORED BY THE CONTRACTOR. CONTRACTOR SHALL COMPLY WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) RELATIVE TO SUBSTRATE TEMPERATURE.
- INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT IN ACCORDANCE WITH ACI 318-11 D 9.2.2. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. CONTINUOUS SPECIAL INSPECTION SHALL BE PROVIDED FOR THESE ANCHORS.
- UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO CONCRETE SHALL BE:
 - HILTI HIT-RE 500V3 (ESR-3814), OR HILTI HIT-HY 200-A (ESR-3187).
 - SIMPSON SET-3G (ESR-4057), OR AT-XP (ER-0263).
- DEWALT PURE 110+ (ESR-3298), OR AC208+ GOMT (ESR-4027-COLD WEATHER).
- UNLESS NOTED OTHERWISE, ALL MECHANICAL ANCHORS INTO CONCRETE SHALL BE:
 - HILTI KWIK BOLT TZ (ESR-1917).
 - SIMPSON STRONG-BOLT 2 (ESR-3037).
- UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO CONCRETE SHALL BE:
 - SIMPSON HILTI (ESR-1917).
 - DEWALT SCREWBOLT+ (ESR-2526).
 - HILTI KWIK HUS-EZ (ESR-3027).
- THE TESTING LABORATORY WILL PERFORM VISUAL INSPECTION OF ANCHORS AND DOWELS AS SPECIFIED IN THE SPECIAL INSPECTION SCHEDULE AND THE APPROVED INDEPENDENT EVALUATION REPORT. TENSION TESTING CAN BE REQUIRED AT THE DIRECTION OF THE STRUCTURAL ENGINEER OF RECORD OR THE SPECIAL INSPECTOR.
- IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON THAT HOLE AND SHIFT THE ANCHOR LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM SPACE OF (2) ANCHOR HOLE DIAMETERS OR 1 INCH, WHICH EVER IS LARGER, OF SOUND CONCRETE/MASONRY BETWEEN THE ANCHOR AND THE ABANDONED HOLE. PROVIDE A MINIMUM SHRINK GROUT AT CONTRACTORS OPTION. LOCATE EXISTING REINFORCEMENT PRIOR TO DRILLING/CORING. IF THE ANCHOR OR DOWEL CANNOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
- LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.

I. REINFORCING STEEL

- REINFORCING BAR STRENGTH REQUIREMENTS:
 - ALL REINFORCING BARS SHALL CONFORM TO ASTM STANDARD A-615 GRADE 60 AND ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM STANDARD A-664 AND SHALL BE SUPPLIED IN FLAT SHEETS, ADEQUATELY TIE AND SUPPORT ALL REINFORCING STEEL AS SPECIFIED BY ACI 117, TO MAINTAIN EXACT REQUIRED POSITION.
 - STEEL DISCONTINUOUS FIBER REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO ASTM A820 AND SHALL HAVE A LENGTH TO DIAMETER RATIO NOT SMALLER THAN 50 AND NOT GREATER THAN 100.
 - DEFORMED BARS SHALL CONFORM TO ASTM A970. OBSTRUCTIONS OR INTERUPTIONS OF THE BAR DEFORMATIONS, IF ANY, SHALL NOT EXTEND MORE THAN 2 BAR DIAMETERS FROM THE BEARING FACE OF THE HEAD.
 - ALL REINFORCING STEEL SHALL BE TIED IN PLACE AND ADEQUATELY SUPPORTED PRIOR TO PLACING CONCRETE. WET STABBING OF ANY REINFORCING STEEL IS NOT PERMITTED, UNLESS SPECIFICALLY DETAILED OTHERWISE OR APPROVED BY THE ENGINEER.
 - ALL FIELD BENT DOWELS SHALL BE GRADE 40 WITH SPACING INDICATED REDUCED BY 1/3.
 - UNLESS NOTED OTHERWISE, REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE COVERAGE:
 - CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
 - EXPOSED TO EARTH OR WEATHER:
 - #6 & LARGER 2"
 - #5 & SMALLER 1-1/2"
 - NOT EXPOSED TO WEATHER OR EARTH:
 - SLABS, WALLS, JOISTS, #11 & SMALLER 3/4"
 - BEAMS, COLUMNS: MAIN REINFORCING OR TIES 1-1/2"
 - SLAB ON GROUND:
 - PLACE REINFORCING, WHERE INDICATED, AT CENTER OF SLAB UNLESS INDICATED OTHERWISE.
 - EXCEPT WHERE NOTED ON PLANS OR DETAILS CONTINUOUS REINFORCEMENT SHALL BE SPLICED AT POINTS OF MINIMUM STRESS BY LAPPING PER THE REBAR LAP SCHEDULE.
 - REINFORCING STEEL MAY BE SPLICED WITH MECHANICAL COUPLERS THAT HAVE A TENSION CAPACITY OF AT LEAST 125% OF THE STRENGTH OF THE BAR. MECHANICAL COUPLERS SHALL BE A POSITIVE CONNECTION TYPE COUPLER, AND SHALL BE INSTALLED IN ACCORDANCE WITH AN APPROVED CC RESEARCH REPORT. WHERE THESE ARE USED, SPLICES ON ADJACENT BARS SHALL BE STAGGERED AT LEAST 24 INCHES ALONG THE LENGTH OF THE BARS.
 - ALL VERTICAL REINFORCING IN STRUCTURAL ELEMENTS ABOVE SHALL BE SPLICED WITH MATCHING DOWELS EMBEDDED WITHIN THE FOOTINGS OR STRUCTURE BELOW. SPLICE LENGTHS SHALL COMPLY WITH REBAR LAP SCHEDULE. DOWELS INTO FOOTINGS SHALL TERMINATE WITH A STANDARD HOOK, AND SHALL EXTEND TO WITHIN 4" OF THE BOTTOM OF THE FOOTING, BUT NEED NOT EXTEND MORE THAN 20" INTO FOOTING. FOR MASONRY CONSTRUCTION SEE STRUCTURAL NOTE P.6.A.
 - DO NOT WELD REINFORCING EXCEPT AS NOTED ON PLANS, WHERE REINFORCING IS WELDED, USE ASTM A-706 REINFORCING.
 - REINFORCING BARS, TIES, AND TENDONS SHALL BE SUPPORTED BY NYLON CONES, PLASTIC-COATED TIE-WIRES, OR PLASTIC-COATED CHAIRS. REINFORCING IN FOOTINGS IS PERMITTED TO BE SUPPORTED ON CONCRETE DOBIES.
 - UNLESS NOTED OTHERWISE, HOOKS, STIRRUPS, TIES, AND OTHER BENDS IN REINFORCING STEEL SHALL MEET THE STANDARDS SET FORTH IN ACI 318/318R-14, UNLESS OTHERWISE PERMITTED BY THE ENGINEER. ALL REINFORCEMENT SHALL BE BENT COLD. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT, EXCEPT AS SHOWN ON THESE DRAWINGS OR OTHERWISE PERMITTED BY THE ENGINEER.
 - UNLESS SPECIFICALLY NOTED AND/OR DETAILED IN THE STRUCTURAL DRAWINGS CONDUIT SHALL NOT BE IN CONTACT WITH REINFORCING STEEL.

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S205	DETAILS

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CODE OFFICIAL STAMP:

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OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

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SHEET TITLE:

STRUCTURAL NOTES

SHEET NUMBER:

S001

J. STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERRECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING:
a. ANS/AISC 360-16 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS', WITH 'COMMENTARY' AND 'SUPPLEMENTS' AS REQUIRED BY BUILDING CODE.
b. AISC 303-16 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES' EXCLUDING THE FOLLOWING SECTIONS: 4.4, 4.4.1, AND 4.4.2.
c. AISI 'SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS'.
d. AISC 'SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS'.
e. AWS D1.1 AND 1.3, 'STRUCTURAL WELDING CODE' (EXCEPT SPECIFIC ITEMS DO NOT APPLY IF THEY CONFLICT WITH AISC).
f. ANS/AISC 341-16 'SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS'.
g. AWS D1.8, 'STRUCTURAL WELDING CODE - SEISMIC'.
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING:
a. WIDE FLANGE SHAPES AND WT SHAPES - ASTM A992
b. OTHER SHAPES AND PLATES - ASTM A-36 (UNO)
c. HOLLOW STRUCTURAL SECTIONS (HSS) - ASTM A-500, GRADE C FOR SQUARE, RECTANGULAR AND ROUND SHAPES (FY = 50 KSI FOR SQUARE AND RECTANGULAR SHAPES AND 46 KSI FOR ROUND SHAPES)
d. STAINLESS STEEL SHAPES, PLATES, AND FASTENERS - ASTM 304
e. DEFORMED BAR ANCHORS (DBA) - ASTM A-496, WELDED IN ACCORDANCE WITH AWS D1.1
f. HEADED STUD ANCHORS (HSA) - ASTM A-108, GRADE 1015 STEEL AND WELDED IN ACCORDANCE WITH AWS D1.1 FOR TYPE 'B'. USE 3/4" DIAMETER STUDS, UNLESS NOTED OTHERWISE.
g. THREADED ROD - ASTM A-448
h. NON-SHRINK GROUT - ASTM C110. NON-SHRINK GROUT SHALL BE PRE-PACKAGED, NON-METALLIC, WITH A 28-DAY COMPRESSIVE STRENGTH OF 6,000 PSI.
3. CONNECTIONS SHALL COMPLY WITH THE STRUCTURAL DRAWINGS UNLESS WRITTEN APPROVAL TO CHANGE IS GIVEN BY THE STRUCTURAL ENGINEER.
4. ALL SHOP FABRICATIONS SHALL BE PERFORMED BY AN APPROVED FABRICATOR IN ACCORDANCE WITH SECTIONS 1702 AND 1704 OF THE IBC OR WITH SHOP INSPECTION BY AN INDEPENDENT AGENCY IN ACCORDANCE WITH SECTION 1704.2.5 OF THE IBC.
5. WELDING
a. ALL WELDING AND CUTTING SHALL BE PERFORMED BY AWS QUALIFIED WELDERS IN ACCORDANCE WITH ANS/AWS D1.1 (LATEST EDITION).
b. USE TOXY ELECTRODES UNLESS NOTED OTHERWISE.
c. ALL INTERSECTING STEEL SHAPES WHICH ARE NOT CONNECTED WITH BOLTS SHALL BE WELDED TOGETHER WITH A FILLET WELD ALL AROUND UNLESS NOTED OTHERWISE. WHERE WELD SIZES ARE NOT SHOWN, USE THE FOLLOWING:
1. WHERE THE THICKNESS OF THE CONNECTED PARTS IS EQUAL TO OR THICKER THAN 1/4", WELD SIZE SHALL BE 1/8" LESS THAN THE THICKNESS OF THE THINNEST PART.
2. WHERE ANY OF THE CONNECTED PARTS IS LESS THAN 1/4" THICK, WELD SIZE SHALL BE THE SAME AS THE THICKNESS OF THE THINNEST PART.
d. WELDING OF HSA'S (HEADED STUD ANCHORS) AND DBA'S (DEFORMED BAR ANCHORS) SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS AND AWS D1.1 REINFORCING BARS SHALL NOT BE SUBSTITUTED FOR HSA'S OR DBA'S.
e. WHEREVER POSSIBLE, WELDS SHALL BE SHOP WELDS. SPECIAL CONSIDERATIONS, SUCH AS ITEMS WHICH MAY NEED ADJUSTMENT AT THE SITE, REQUIRE THAT SOME WELDS BE FIELD WELDS. WHERE QUESTIONS OR DISCREPANCIES OCCUR THE CONTRACTOR SHALL COORDINATE THE WORK BETWEEN THE SHOP FABRICATOR AND THE STEEL ERECTOR.
f. SPECIAL PROVISIONS FOR SFRS (SEISMIC FORCE RESISTING SYSTEM):
1. ALL WELDS DESIGNATED AS DEMAND CRITICAL WELDS SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS SPECIFIED IN CLAUSES 6.1, 6.2, AND 6.3 OF AWS D1.8.
2. ALL OTHER WELDS THAT ARE PART OF THE SFRS SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS SPECIFIED IN CLAUSE 6.1 OF AWS D1.8.
3. BUTT WELDS IN MEMBERS WITH DIFFERENT THICKNESSES, SUCH AS COLUMN SPLICES, SHALL BE TAPERED AND MADE IN SUCH A MANNER THAT THE TRANSITION DOES NOT EXCEED 1 IN 2-1/2 INCHES. THE TRANSITION SHALL BE ACCOMPLISHED BY CHAMFERING THE THICKER PART, TAPERING THE WIDER PART, SLOPING THE WELD METAL OR BY A COMBINATION OF THESE.
6. BOLTING
a. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL TO STEEL CONNECTIONS SHALL USE HIGH STRENGTH BOLTS CONFORMING TO ASTM F3125 GR. A325.
b. UNLESS NOTED OTHERWISE, ALL BOLTING IS CLASSIFIED AS NON-SLIP CRITICAL BEARING TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE. TIGHTEN BOLTS TO A SNUG TIGHT CONDITION, WITH ALL PLIES OF THE JOINT IN FIRM CONTACT.
c. WHERE OVERSIZED OR SLOTTED HOLES OCCUR IN THE OUTER PLY, AN ASTM F436 WASHER OR 5/16" THICK COMMON PLATE WASHER SHALL BE USED AS REQUIRED TO COMPLETELY COVER THE HOLE.
d. BOLTS SHALL BE CENTERED IN SLOTTED HOLES, UNLESS NOTED OTHERWISE.
e. WHERE A STEEL BEAM TO BEAM CONNECTION IS NOT SHOWN, PROVIDE AN AISC STANDARD FRAMED CONNECTION SIZED FOR 1/2 OF THE TOTAL LOAD CAPACITY OF THE BEAM FOR THE SPAN AND STEEL SPECIFIED.
7. UNLESS NOTED OTHERWISE, WHERE STEEL BEAMS SUPPORT WOOD FRAMING OR WOOD SHEATHING, PROVIDE A CONTINUOUS DOUBLE 2x OR SINGLE 3x NAILER PLATE ON THE TOP OF THE BEAM THAT EXTENDS AT LEAST THE FULL WIDTH OF THE BEAM FLANGE. ATTACH NAILER PLATES TO WIDE-FLANGE BEAMS WITH 1/2" DIAMETER THRU BOLTS AT 24" O.C. - STAGGERED. COUNTER-SINK HEAD OF BOLTS INTO TOP OF NAILER PLATE TO PROVIDE A FLUSH BEARING SURFACE WHERE NECESSARY.
8. ALL COLUMNS ADJACENT TO OR EMBEDDED IN WOOD STUD WALLS SHALL HAVE (1) 1/2" DIAMETER X 3-1/2" THREADED STEEL ROD SHOP-WELDED TO THE FACE OF THE COLUMN AT 24" O.C. AND EXTENDING EACH WAY INTO THE ADJACENT STUD WALLS. ATTACH ADJACENT WOOD WALL STUDS TO STEEL COLUMN WITH STANDARD NUT AND WASHER AS REQUIRED.
9. PROVIDE FULL DEPTH WEB STIFFENER PLATES AT EACH SIDE OF STEEL BEAMS AT ALL BEARING (EXCEPT SECONDARY FRAMING) POINTS. STIFFENER PLATES SHALL BE THICKNESS SHOWN UNLESS NOTED OTHERWISE AND SHALL BE WELDED BOTH SIDES WITH FILLET WELDS ALL AROUND.
FLANGE WIDTH STIFFENER THICKNESS WELD THICKNESS
< 8 1/4" 1/4" 3/16"
8 1/4" < BF < 12 1/2" 3/8" 1/4"
12 1/2" < BF < 18" 1/2" 5/16"
10. FABRICATORS AND SUPPLIERS SHALL COORDINATE PAINT/FINISHES WITH REQUIREMENTS FOR DIRECT APPLIED INSULATION, FIREPROOFING, ETC. AS NOTED IN THE PROJECT SPECIFICATIONS.
11. WHEN DETERMINING THE FIRE RESISTANCE OF ASSEMBLIES, USE THE FOLLOWING: STEEL ROOF MEMBERS ARE CONSIDERED UN-RESTRAINED AND STEEL FLOOR FRAMING MEMBERS ARE CONSIDERED RESTRAINED.
12. UNLESS NOTED OTHERWISE, ALL HORIZONTAL FRAMING MEMBERS SHALL BE ERRECTED WITH THE NATURAL CROWN UP.
13. UNLESS OTHERWISE SHOWN OR DETAILED IN THE PLANS, ALL STEEL COLUMNS, BEAMS, BRACES, STRUTS, ETC. SHALL BE CONTINUOUS BETWEEN CONNECTIONS OR SUPPORTS. SPLICES IN MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL BY THE ENGINEER OF RECORD.

K. TIMBER

- 1. WOOD GRADES (UNLESS NOTED OTHERWISE)
a. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR/LARCH CLEARLY MARKED WITH A STAMP BY WWPA APPROVED AGENCY AND SHALL BE GRADED AS FOLLOWS:
1. HORIZONTAL MEMBERS: JOISTS & RAFTERS: NO. 2, BEAMS & STRINGERS: NO. 2.
2. VERTICAL MEMBERS: POST & TRIMMERS: NO. 1, STUDS: NO. 2.
b. ALL FRAMING IN CONTACT WITH FOOTINGS, FOUNDATIONS OR SLABS ON GRADE SHALL BE PRESSURE TREATED OR TIMBERSTRAND LSL TREATED LUMBER WITH EQUIVALENT STRESS GRADES TO TYPICAL FRAMING MEMBERS.
c. GLULAMINATED BEAMS SHALL BE DOUGLAS-FIR ARCHITECTURAL APPEARANCE GRADE WITH A COMBINATION NUMBER 24F-V4 EXCEPT CANTILEVERED AND CONTINUOUS BEAMS SHALL BE COMBINATION NUMBER 24F-V8.
d. UNLESS NOTED OTHERWISE, ALL ENGINEERED LUMBER SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL AND SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:
ASTM MODULUS OF ELASTICITY FLEXURAL STRESS RATING
LVL : 2,000,000 PSI 2,600 PSI
PSL : 2,000,000 PSI 2,900 PSI
LSL : 1,500,000 PSI 2,250 PSI
e. ALL WOOD 1" JOISTS AND BRIDGING SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL.
2. SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, EXTERIOR GLUE AND PANEL INDEX RATING AS NOTED BELOW UNLESS NOTED OTHERWISE:
LOCATION THICKNESS PANEL INDEX
WALLS : 15/32" 24/0
ROOFS : 19/32" 32/18
3. INDIVIDUAL PIECES OF SHEATHING AT ROOF, FLOOR, AND SHEAR WALLS SHALL NOT BE SMALLER THAN 24" IN EITHER DIRECTION AND SHALL SPAN A MINIMUM OF TWO FRAMING SPACES, UNO.
4. CONNECTIONS, FASTENERS, AND ADHESIVE
a. ALL BOLTS THRU WOOD SHALL BE ASTM A307 AND SHALL HAVE HARDENED WASHERS UNDER ASTM A563 HEAVY HEX NUT AND BOLT HEADS.
b. UNLESS NOTED OTHERWISE, 10d COMMON NAILS SHALL BE USED TO FASTEN ALL ROOF SHEATHING TO SUPPORTING TRUSSES, JOISTS, LEDGERS OR BLOCKING AS FOLLOWS:
1. BOUNDARY NAILING 'BN': 6" O.C. AT ALL BEARING WALLS, SHEAR WALLS, BLOCKING, AND WHERE OTHERWISE INDICATED IN THE STRUCTURAL DRAWINGS.
2. PANEL EDGE NAILING 'EN': 6" O.C. AT ALL OTHER PLYWOOD PANEL EDGES.
3. PANEL FIELD NAILING 'FN': 12" O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
c. UNLESS NOTED OTHERWISE IN THE WOOD SHEAR WALL SCHEDULE ON SHEET S004, 10d COMMON NAILS SHALL BE USED TO FASTEN ALL PLYWOOD SHEAR WALL SHEATHING TO STUDS AND BLOCKING AS FOLLOWS:
1. PANEL EDGE NAILING 'EN': 6" O.C.
2. PANEL FIELD NAILING 'FN': 12" O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
d. NAILS SHALL BE GALVANIZED OR STAINLESS STEEL AT EXPOSED LOCATIONS OR IN TREATED WOOD (SEE NOTE BELOW FOR FASTENERS CONNECTED TO OR IN CONTACT WITH TREATED WOOD). THE HEAD OF ALL NAILS SHALL BE DRIVEN FLUSH WITH THE SURFACE OF THE SHEATHING.
e. UNLESS NOTED OTHERWISE, ALL NAILS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:
COMMON SHANK HEAD LENGTH MIN. PENETRATION
NAIL SIZE DIAMETER DIAMETER INTO SUPPORT MEMBER
6d 0.113" 0.266" 2" 1.25"
8d 0.131" 0.281" 2-1/2" 1.375"
10d 0.148" 0.312" 3" 1.50"
12d 0.148" 0.312" 3-1/4" 1.50"
16d 0.162" 0.344" 3-1/2" 1.62"
f. A CONTINUOUS BEAD OF PERMANENT BOND TIMBER/WOOD ADHESIVE COMPOUND SHALL BE USED TO FASTEN ALL PLYWOOD FLOOR SHEATHING TO FLOOR JOISTS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
g. ALL FRAMING ANCHORS, POST CAPS, HOLD DOWNS, COLUMN BASES ETC. TO BE PROVIDED BY SIMPSON OR APPROVED EQUAL AND SHALL BE ATTACHED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA, UNLESS NOTED OTHERWISE.
h. UNLESS NOTED OTHERWISE, ALL WALL BOTTOM PLATES TO BE ANCHORED TO FOUNDATIONS OR FOOTINGS WITH 3/4" DIAMETER ANCHOR BOLTS AT 32" O.C. WITH 8" MINIMUM EMBEDMENT. THERE SHALL BE A MINIMUM OF (2) ANCHOR BOLTS PER PLATE WITH ONE BOLT LOCATED NOT MORE THAN 12" AND NOT LESS THAN 4" FROM EACH END OF EACH PIECE.
i. WALL BOTTOM PLATES AT SHEAR WALLS SHALL INCLUDE 1/4" x 3" x 3" STEEL PLATE WASHERS BETWEEN THE SILL PLATE AND NUT OF THE ANCHOR BOLT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND SLOT LENGTH NOT TO EXCEED 1-3/4". PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. THE PLATE WASHER SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE BOTTOM PLATE ON THE SHEATHED SIDE.
j. FASTENERS CONNECTED TO OR IN CONTACT WITH PRESERVATIVE-TREATED AND/OR FIRE-RETARDANT-TREATED WOOD (EXCEPT FOR TIMBERSTRAND LSL TREATED LUMBER AND BORATE BASED TREATMENTS) SHALL BE OF G-185 HOT-DIP GALVANIZED STEEL OR 304 OR 316 STAINLESS STEEL. STAINLESS STEEL AND GALVANIZED STEEL SHALL NEVER BE USED IN CONTACT WITH EACH OTHER.
k. EXCEPT WHERE NOTED OTHERWISE, THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN IBC TABLE 2304.10.1. CONNECTIONS FOR MULTIPLE PIECES OF ENGINEERED LUMBER PIECES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
5. UNLESS NOTED OTHERWISE, ALL WALL SHEATHING AT SHEAR WALLS SHALL HAVE SOLID BLOCKING AT ALL PANEL EDGES.
6. PROVIDE SOLID 2" (NOMINAL) FULL DEPTH BLOCKING AT ENDS AND SUPPORT LOCATIONS FOR ALL JOISTS AND RAFTERS. BLOCKING SHALL BE ATTACHED TO SUPPORT FRAMING WITH A MINIMUM OF (1) SIMPSON A35 FRAMING ANCHOR BETWEEN JOISTS UNLESS NOTED OTHERWISE.
7. UNLESS NOTED OTHERWISE, ALL BEARING WALLS SHALL BE 2X6 SPACED AT 16" O.C. BLOCK ALL NON-SHEATHED BEARING WALLS AT 4'-0" O.C.
8. VERIFY THE STUD SPACING WITH THE ANCHOR BOLT LAY-OUT. WHERE STUDS INTERFERE WITH ANCHOR BOLTS, PROVIDE AN ADDITIONAL FULL-HEIGHT STUD TO ENSURE THAT THE FULL CROSS-SECTIONAL AREA OF THE STUD IS IN CONTACT WITH THE SILL PLATE.
9. UNLESS NOTED OTHERWISE, ALL EXTERIOR WALLS AND SHEAR WALLS SHALL HAVE DOUBLE 2X TOP PLATES THAT ARE SPLICED TOGETHER WITH A MINIMUM OF 30" OF OVERLAP AND SHALL BE CONNECTED TOGETHER WITH A MINIMUM OF (24) 10d COMMON NAILS EACH SIDE OF THE SPLICE. OUTSIDE OF THESE SPLICE LOCATIONS, TOP PLATES SHALL BE NAILED TOGETHER WITH 10d NAILS AT 12" O.C.
10. UNLESS NOTED OTHERWISE, ALL HORIZONTAL FRAMING MEMBERS SHALL BE INSTALLED WITH THE NATURAL CROWN UP.

L. NON-STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS

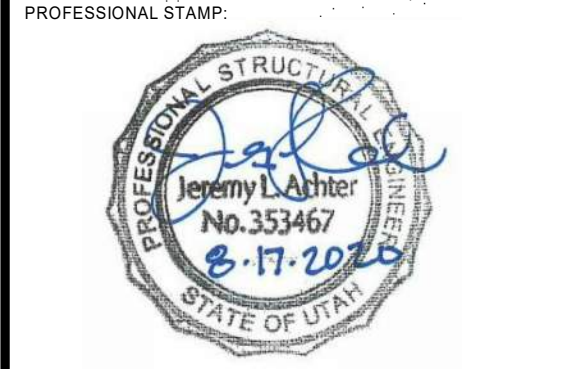
- 1. NON-STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ITEMS NOT INCLUDED IN THE STRUCTURAL DELEGATED DESIGN SECTION. THESE ARE ITEMS THAT ARE NOT CRITICAL TO THE OVERALL PERFORMANCE OF THE STRUCTURAL SYSTEM BUT THAT IMPART LOADS AND FORCES TO THE STRUCTURAL SYSTEM.
2. NON-STRUCTURAL DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
3. ARW ENGINEERS WILL REVIEW NON-STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. IF THE STRUCTURAL DRAWINGS INCLUDE LOADS TO ACCOMMODATE NON-STRUCTURAL ELEMENTS, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION INDICATING THAT THE NON-STRUCTURAL ELEMENTS COMPLY WITH THE LOADING CRITERIA PROVIDED HEREIN. SUCH DOCUMENTATION SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
5. IF THE NON-STRUCTURAL DEFERRED SUBMITTAL INDICATES THAT THE ELEMENT WILL IMPART FORCES IN EXCESS OF THOSE INDICATED ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL SUBMIT A DETAILED GRAPHICAL REPRESENTATION OF THOSE DESIGN LOADS, INCLUDING MAGNITUDE, AND LOCATION. THE GRAPHIC SHALL BE ACCOMPANIED BY DOCUMENTATION INDICATING THAT THE NON-STRUCTURAL ELEMENT DESIGN COMPLIES WITH THE LOADING CRITERIA PROVIDED HEREIN. THE LETTER SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN.
6. NON-STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS SHALL INCLUDE, BUT ARE NOT LIMITED TO:
a. SEISMIC BRACING OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL ITEMS WHERE REQUIRED BY THE MOST RECENT VERSION OF ASCE 7 AND THE PROJECT CONTRACT DOCUMENTS.

M. EXISTING BUILDING NOTES

- 1. ARW ENGINEERS EXPRESSLY DISCLAIMS RESPONSIBILITY FOR ANY PORTION OF THE EXISTING BUILDING NOT SPECIFICALLY ADDRESSED IN THESE DRAWINGS.
2. DRAWINGS AND DETAILS HAVE BEEN PREPARED TO REFLECT THE EXISTING CONDITIONS AND CONFIGURATIONS OF STRUCTURAL ELEMENTS. HOWEVER, THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND ALERTING THE ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO FABRICATING OR INSTALLING STRUCTURAL ELEMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THAT THE BUILDING AND ELEMENTS WITHIN THE BUILDING REMAIN STABLE UNTIL CONSTRUCTION IS COMPLETE. AT NO ADDITIONAL COST TO THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SHORING OR OTHER TEMPORARY SUPPORT OF STRUCTURAL MEMBERS UNTIL THE FINAL CONFIGURATION HAS BEEN COMPLETED.

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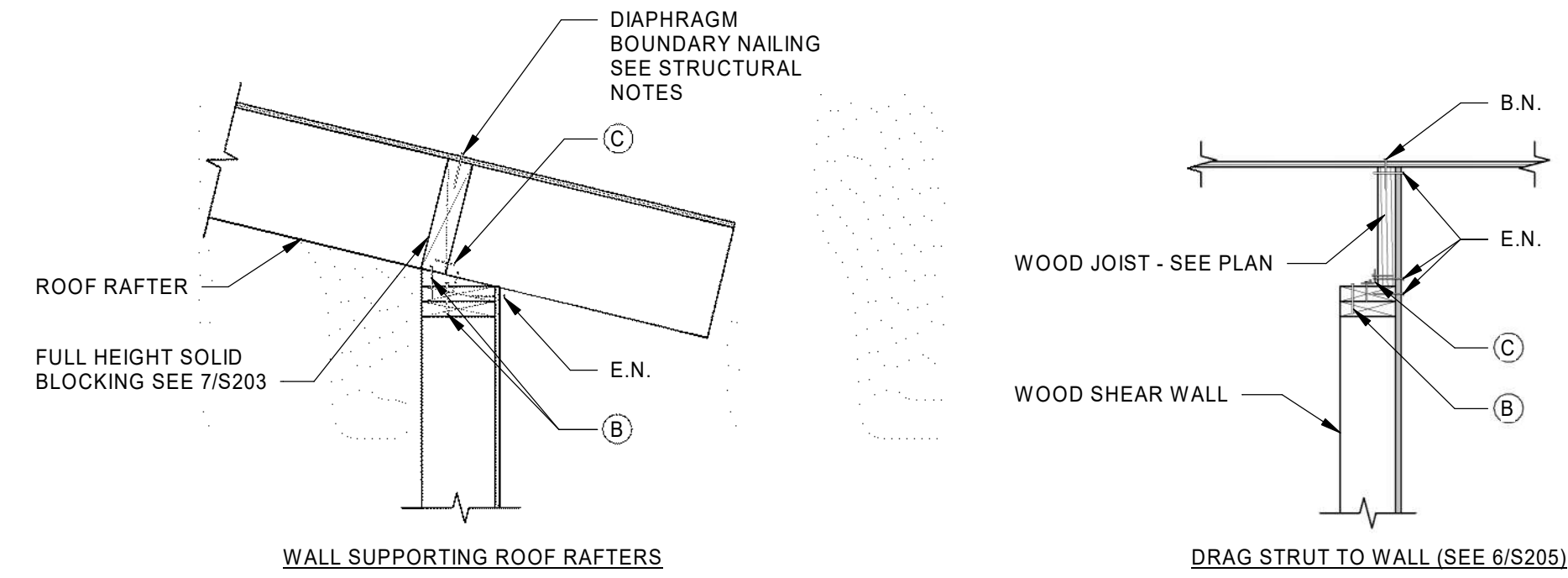
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SHEET TITLE:
STRUCTURAL NOTES

SHEET NUMBER:
S002

WOOD SHEAR WALL SCHEDULE

WALL MARK	(NOTE 7) PLYWOOD SHEATHING (CDX U.N.O.)	EDGE NAILING (E.N.) (SEE NOTES 2 & 3)	NOMINAL BOTTOM PLATE SIZE	(NOTE 6) NOM. STUD SIZE (MIN.)	CONNECTION NAILING			TYP. SILL PLATE ANCHOR BOLTS (NOTE 8)		COMMENTS
					BOTTOM PL. (A) (L-LAG (ST)-STAGGER)	NAILING TOP PL. TOGETHER (B)	BLKG TO TOP PL. (C)	DIA.	SPA.	
SW-1	15/32"	10d AT 6"o.c.	2x	2x	N/A	SEE NOTE 10	A35 AT 16"o.c.	3/4" DIA.	32"o.c.	
SW-2	15/32"	10d AT 4"o.c.	2x	2x	N/A	SEE NOTE 10	A35 AT 16"o.c.	3/4" DIA.	32"o.c.	
SW-3	15/32"	10d AT 3"o.c.	2x	3x	N/A	SEE NOTE 10	A35 AT 16"o.c.	3/4" DIA.	32"o.c.	

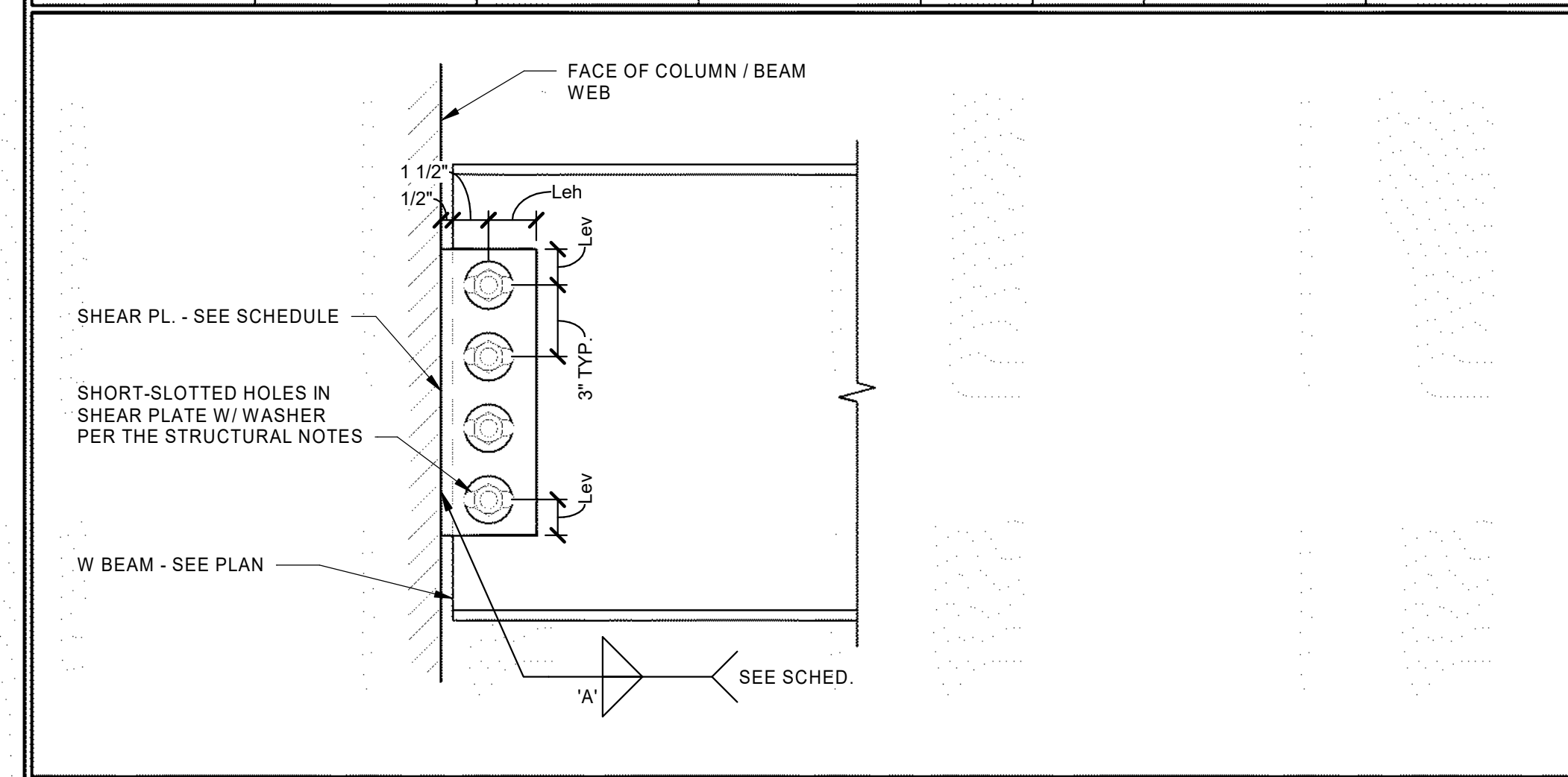
- NOTES:
- ALL SHEATHING PANEL EDGES TO BE BLOCKED. USE 3x BLOCKING WHERE 3x STUDS ARE REQUIRED.
 - ALL NAILS TO BE COMMON OR GALVANIZED BOX.
 - FIELD NAILING TO BE SAME NAILS @ 12"o.c.
 - UNLESS NOTED OTHERWISE, CONSTRUCT WOOD WALLS PER SW-1 IN THIS SCHEDULE.
 - STAGGER E.N. AT DOUBLE TOP PLATES.
 - 3x NOMINAL FRAMING MEMBERS TO OCCUR AT ABUTTING PANEL EDGES. 2x NOMINAL FRAMING MEMBERS MAY BE USED AT INTERIOR OF PANEL. (2) 2x NAILED TOGETHER W/ (2) 16d NAILS @ 16"o.c. OR 4x NOMINAL FRAMING MEMBERS OF THE SAME DEPTH AND LUMBER GRADE MAY BE USED IN LIEU OF 3x MEMBERS AT CONTRACTOR OPTION.
 - SHEATHING SHALL BE STAMPED W/ APA STAMP, O.S.B. OF EQUIVALENT THICKNESS, GRADE, AND RATING MAY BE USED IN LIEU OF PLYWOOD.
 - ALL SILL PLATE ANCHOR BOLTS TO HAVE MINIMUM 8" EMBEDMENT INTO CONCRETE. SEE DETAIL 6/S203 FOR HOLD-DOWN ANCHORAGE REQUIREMENTS.
 - SEE THIS SHEET FOR TYPICAL SHEAR TRANSFER DETAILS.
 - TOP PLATE SPLICE NAILING SHALL APPLY TO EACH SIDE OF THE SPLICE. THE LENGTH OF THE OVERLAP SHALL BE SUFFICIENT TO PREVENT SPLITTING. SEE STRUCTURAL NOTE K.9. FOR MORE INFORMATION.
 - UNLESS NOTED OTHERWISE, SHEATH ONLY ONE SIDE OF STUD WALL.



SHEAR TRANSFER DETAILS

BEAM CONNECTION SCHEDULE

BEAM DEPTH	SHEAR PLATE INFORMATION			BOLTS W/ STANDARD WASHERS OVER SLOTS		WELD 'A'	COMMENTS
	PLATE DIMENSIONS	Lev	Leh	No.	SIZE		
W14	PL. 5/16" x 4"	1 1/2"	2"	3	3/4" Ø	1/4"	



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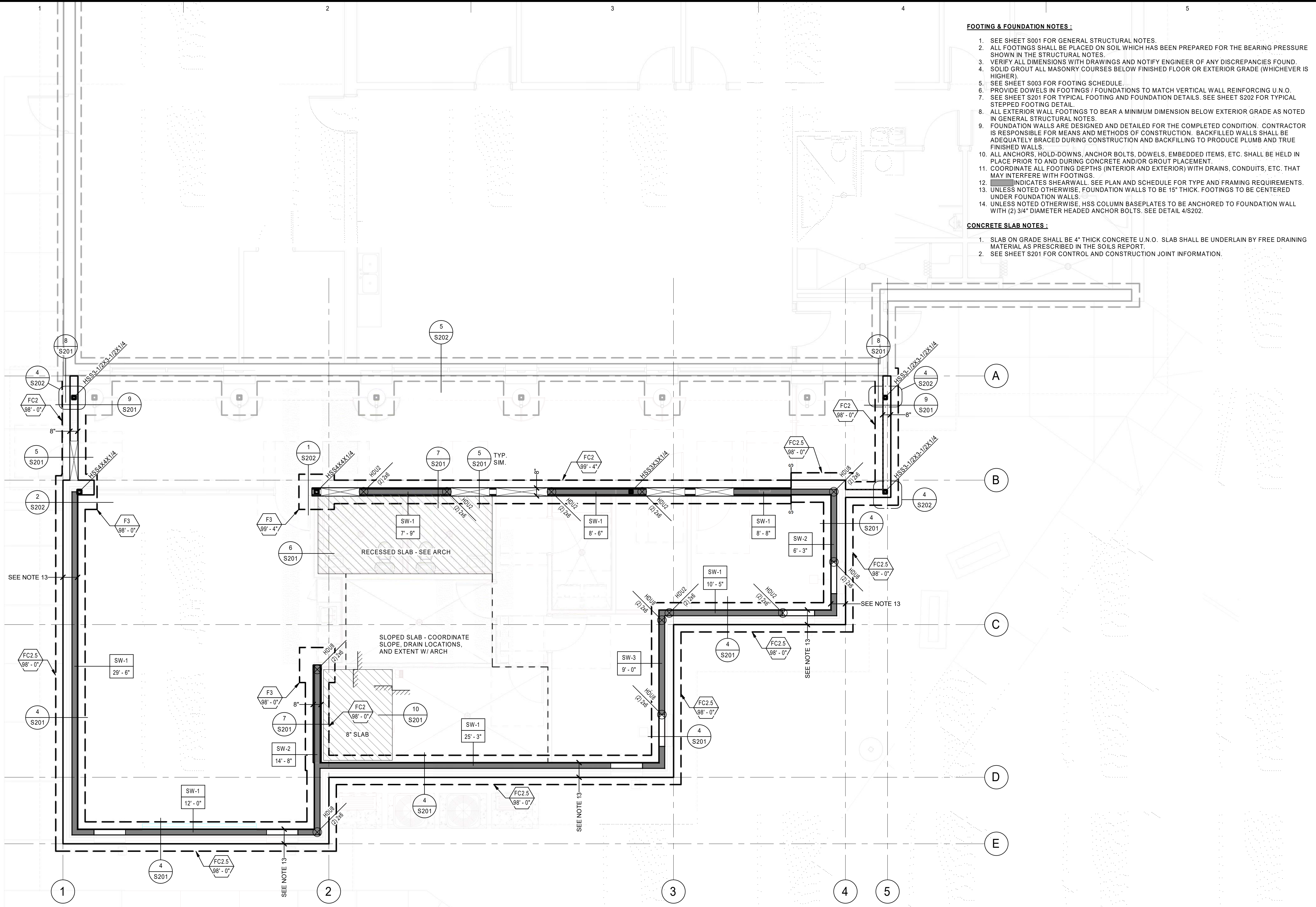
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SHEET NUMBER:

S004

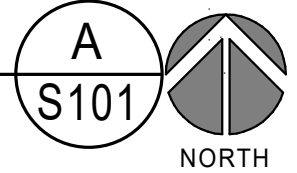
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- FOOTING & FOUNDATION NOTES:**
- SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
 - ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED FOR THE BEARING PRESSURE SHOWN IN THE STRUCTURAL NOTES.
 - VERIFY ALL DIMENSIONS WITH DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND.
 - SOLID GROUT ALL MASONRY COURSES BELOW FINISHED FLOOR OR EXTERIOR GRADE (WHICHEVER IS HIGHER).
 - SEE SHEET S003 FOR FOOTING SCHEDULE.
 - PROVIDE DOWELS IN FOOTINGS / FOUNDATIONS TO MATCH VERTICAL WALL REINFORCING U.N.O.
 - SEE SHEET S201 FOR TYPICAL FOOTING AND FOUNDATION DETAILS. SEE SHEET S202 FOR TYPICAL STEPPED FOOTING DETAIL.
 - ALL EXTERIOR WALL FOOTINGS TO BEAR A MINIMUM DIMENSION BELOW EXTERIOR GRADE AS NOTED IN GENERAL STRUCTURAL NOTES.
 - FOUNDATION WALLS ARE DESIGNED AND DETAILED FOR THE COMPLETED CONDITION. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. BACKFILLED WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION AND BACKFILLING TO PRODUCE PLUMB AND TRUE FINISHED WALLS.
 - ALL ANCHORS, HOLD-DOWNS, ANCHOR BOLTS, DOWELS, EMBEDDED ITEMS, ETC. SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND/OR GROUT PLACEMENT.
 - COORDINATE ALL FOOTING DEPTHS (INTERIOR AND EXTERIOR) WITH DRAINS, CONDUITS, ETC. THAT MAY INTERFERE WITH FOOTINGS.
 - INDICATES SHEARWALL. SEE PLAN AND SCHEDULE FOR TYPE AND FRAMING REQUIREMENTS.
 - UNLESS NOTED OTHERWISE, FOUNDATION WALLS TO BE 15" THICK. FOOTINGS TO BE CENTERED UNDER FOUNDATION WALLS.
 - UNLESS NOTED OTHERWISE, HSS COLUMN BASEPLATES TO BE ANCHORED TO FOUNDATION WALL WITH (2) 3/4" DIAMETER HEADED ANCHOR BOLTS. SEE DETAIL 4/S202.
- CONCRETE SLAB NOTES:**
- SLAB ON GRADE SHALL BE 4" THICK CONCRETE U.N.O. SLAB SHALL BE UNDERLAIN BY FREE DRAINING MATERIAL AS PRESCRIBED IN THE SOILS REPORT.
 - SEE SHEET S201 FOR CONTROL AND CONSTRUCTION JOINT INFORMATION.

FOOTING AND FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



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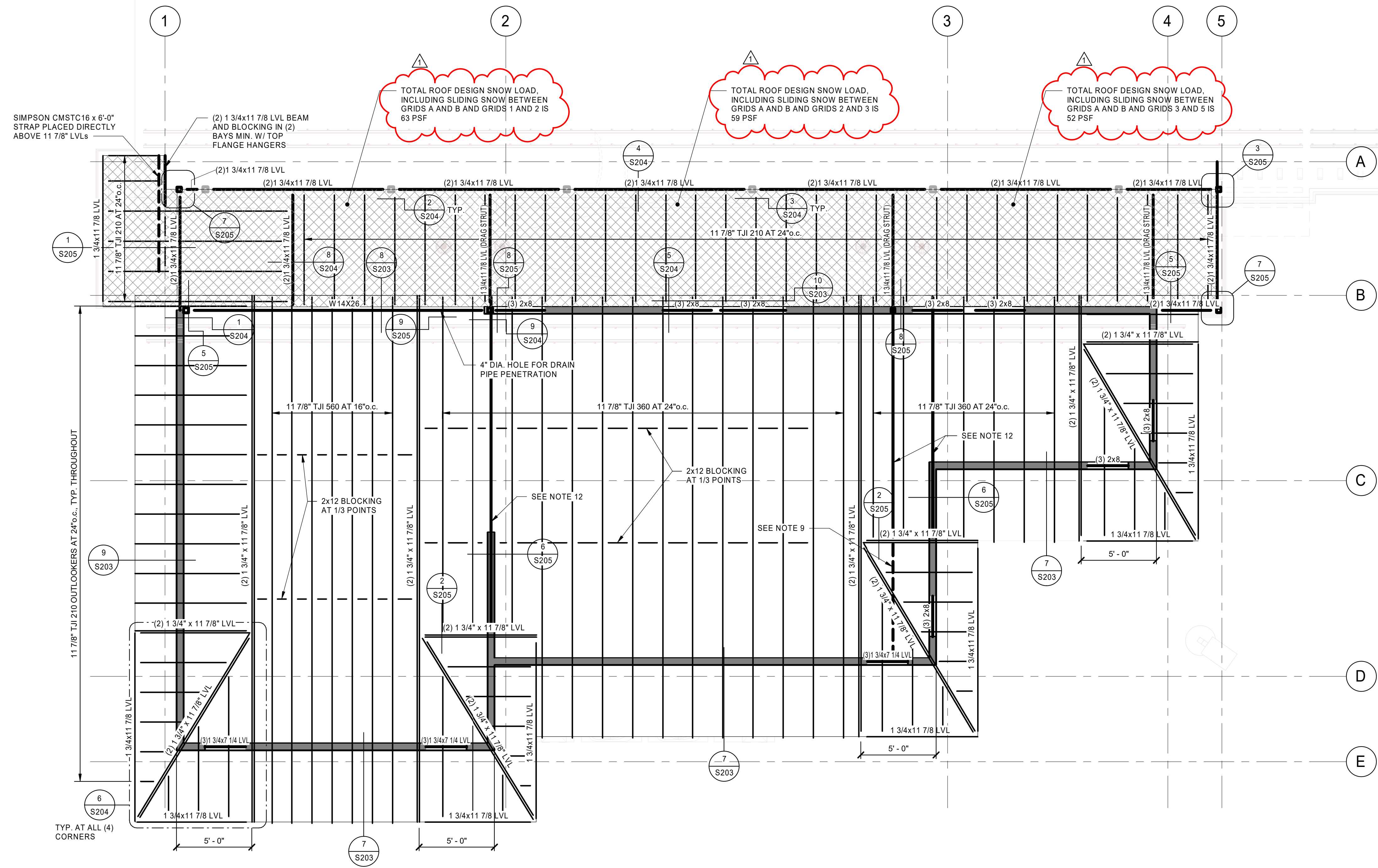
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**FOOTING AND
FOUNDATION
PLAN**

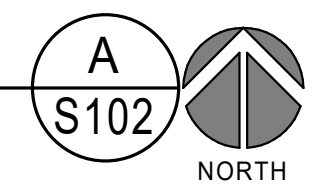
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S101

WOOD FRAMING NOTES:

1. FOR ROOF SHEATHING AND NAILING REQUIREMENTS, SEE STRUCTURAL NOTES ON SHEET S002.
2. SHEAR WALLS ARE INDICATED ON SHEET S101. SEE THE SHEAR WALL SCHEDULE ON SHEET S004 FOR SHEAR WALL ATTACHMENTS.
3. FOR TOP PLATE SPLICE REQUIREMENTS, SEE STRUCTURAL NOTE K.9.
4. SEE DETAIL 10/S204 FOR OPENINGS IN ROOF DIAPHRAGM.
5. UNLESS NOTED OTHERWISE BELOW, ALL EXTERIOR WALLS SHALL CONSIST OF 2x6 STUDS AT 16" o.c. AND SHALL BE SHEATHED PER THE SHEARWALL SCHEDULE ON SHEET S004. AT GRIDS 2, D, AND E, USE 1 3/4" x 5 1/2" LSL STUDS AT 16" o.c. ALL OTHER STUDS TO BE AS PER ARCHITECTURAL DRAWINGS.
6. FOR TYPICAL TRIMMERS, WHERE NOT OTHERWISE INDICATED, SEE DETAIL 2/S203.
7. FOR TYPICAL KING STUDS, WHERE NOT OTHERWISE INDICATED, SEE DETAIL 2/S203.
8. CONTRACTOR SHALL ERECT AND MAINTAIN ADEQUATE TEMPORARY BRACING UNTIL ALL ROOF FRAMING AND ROOF DIAPHRAGM ATTACHMENTS ARE COMPLETE.
9. --- SIMPSON STRAP (ALIGN OVER 2x FLAT BLOCKING) - SEE PLAN.
10. SEE ARCH. DETAILS FOR DRAFTSTOP DETAILS & LOCATIONS.
11. [Symbol] INDICATES AREAS WHERE DIAPHRAGM MUST BE BLOCKED AT PANEL EDGES. SEE DETAIL 4/S203 FOR PLYWOOD ROOF SHEATHING LAYOUT.
12. 1 3/4" x 11 7/8" LVL DRAG. SEE DETAIL 6/S205. EXTEND OVER TOP OF WALL, WHERE APPLICABLE. LVL TO BE CONTINUOUS. DO NOT SPLICE.



ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



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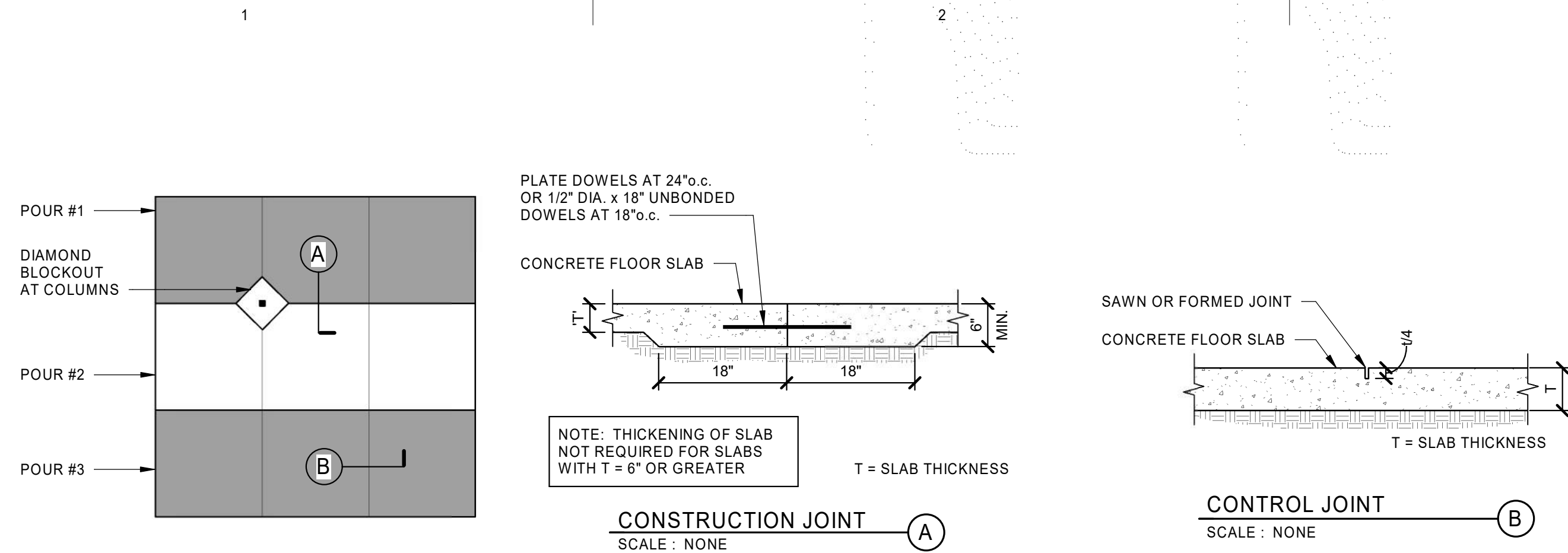
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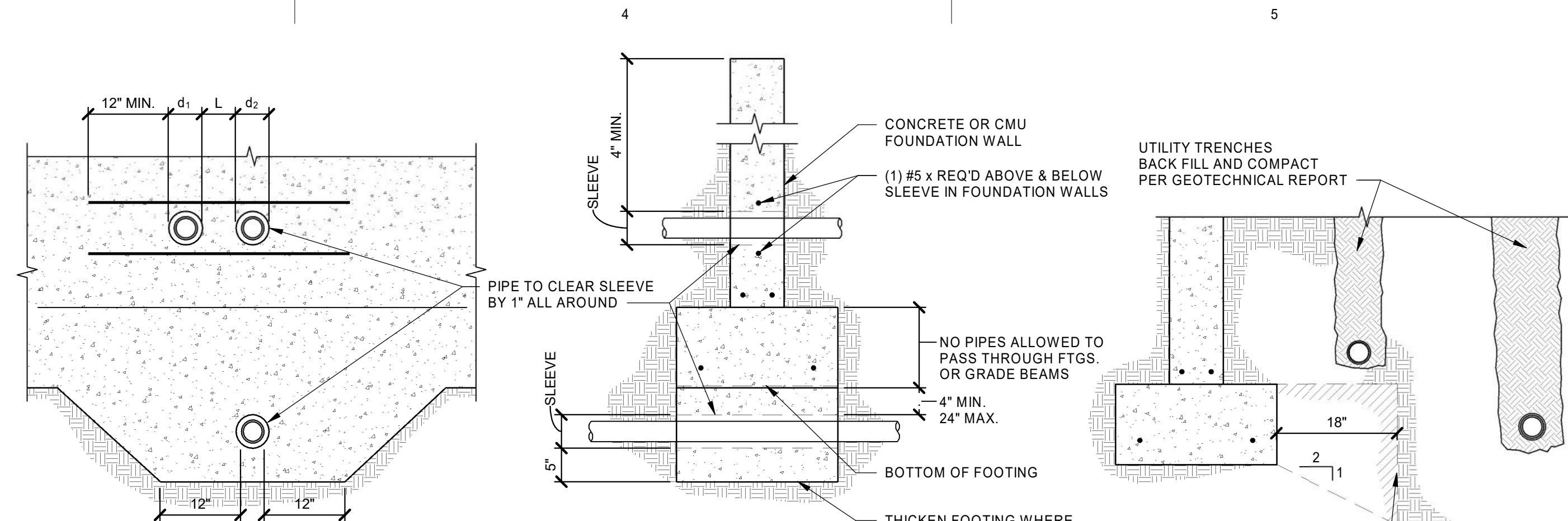
SHEET TITLE:
ROOF FRAMING PLAN

SHEET NUMBER:
S102

Last Plotted: 9/22/2020 4:30:05 PM



NOTES:
1. JOINTS SHALL OCCUR AT MAIN COLUMN / GRID LINES W/ 10'-0" MAX. SPACING BETWEEN JOINTS AT 4' SLABS, 12'-0" MAX. AT 5' SLABS, AND 15'-0" MAX. AT 8' SLABS.
2. SEE PLAN FOR SLAB THICKNESS 'T' AND REINFORCING SIZE AND SPACING.



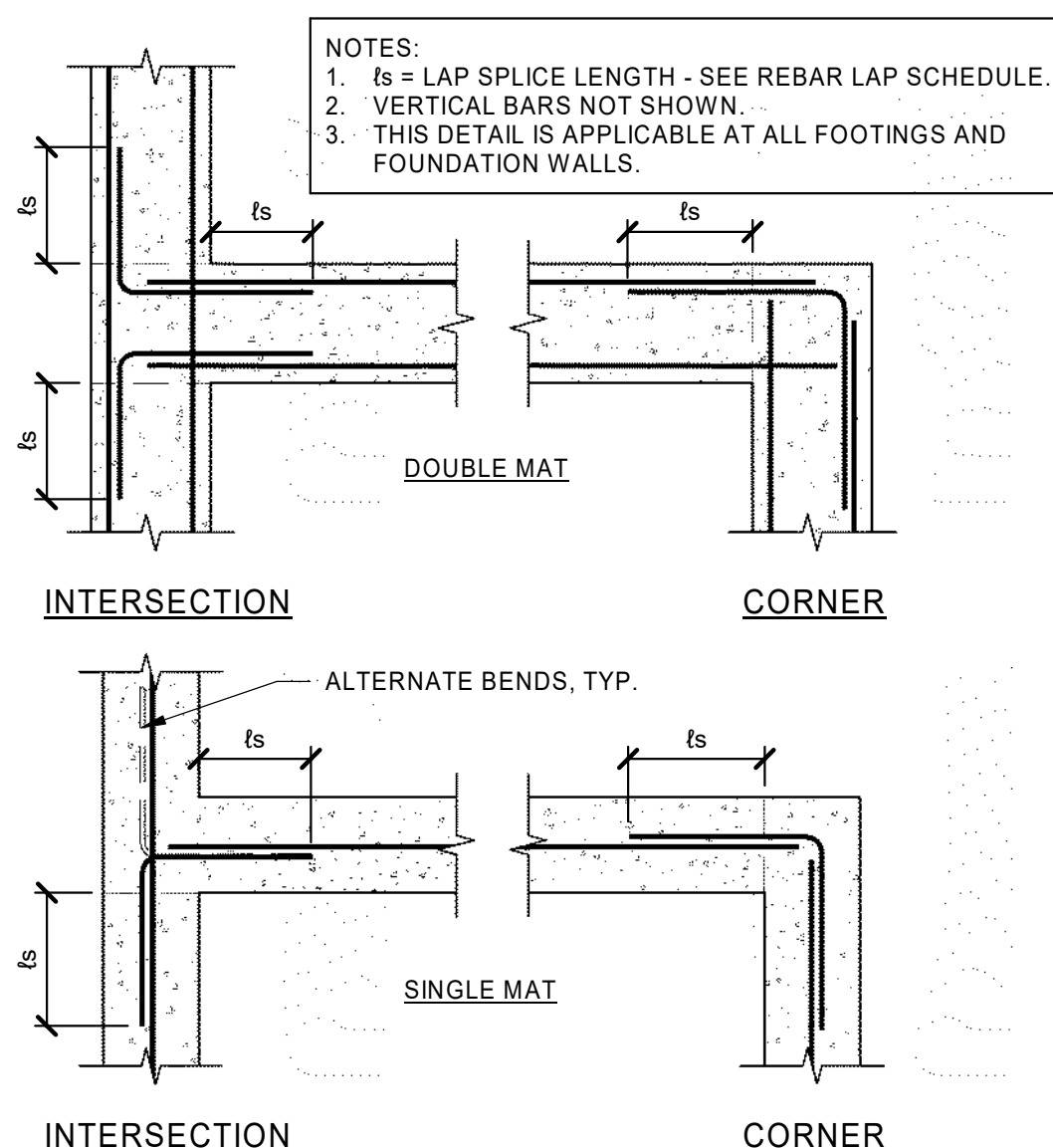
NOTES:
1. TYP. FOUNDATION WALL REINFORCING NOT SHOWN FOR CLARITY.
2. FOR OPENINGS LARGER THAN 12" IN ANY DIRECTION, SEE STRUCTURAL NOTE E-7.
3. DETAIL IS SIMILAR AT MASONRY FOUNDATION WALLS.
4. DISTANCE 'L' SHALL BE THE GREATER OF (d₁ + d₂)/2 OR 4".

TYPICAL CONCRETE SLAB JOINTS
SCALE: NONE

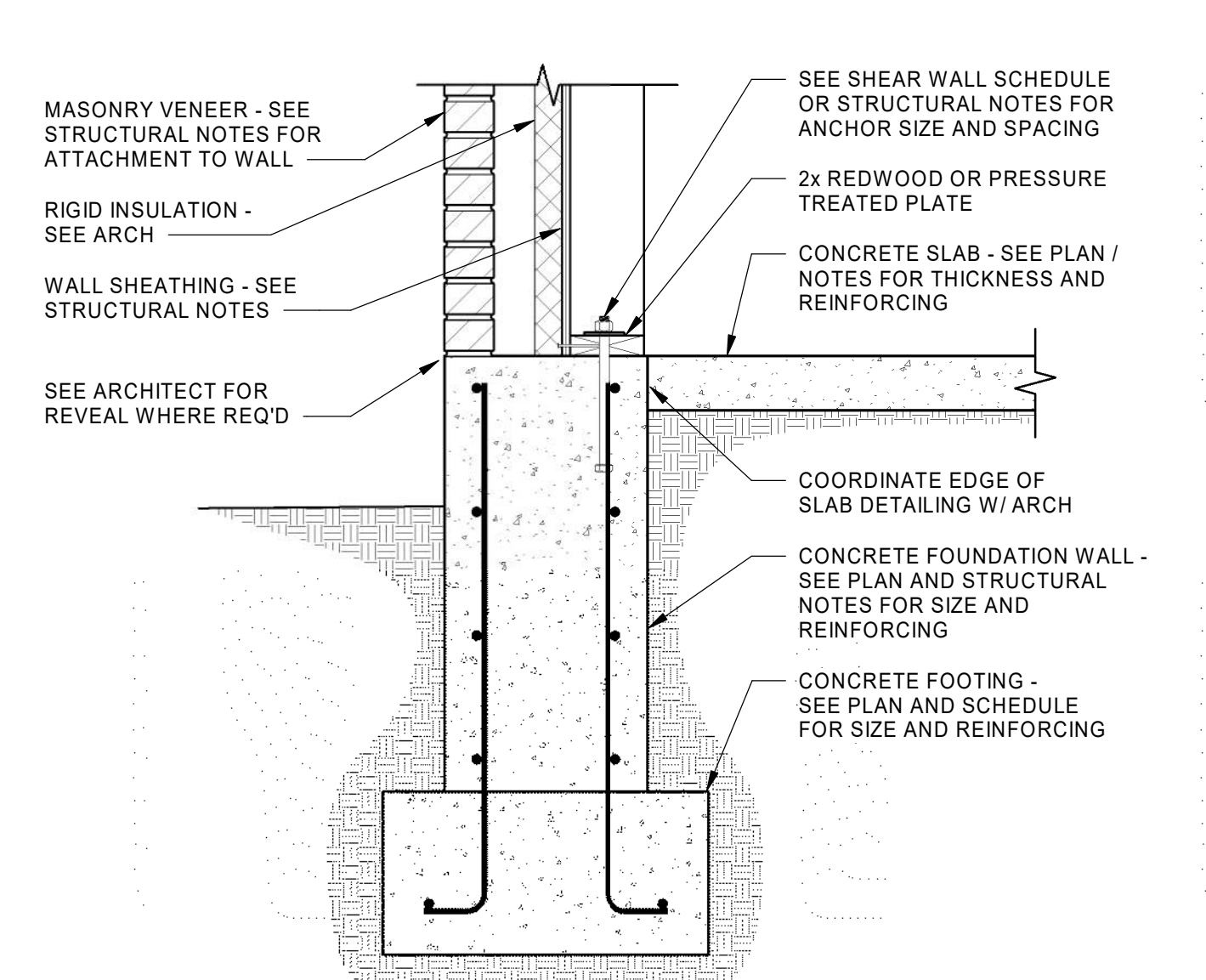
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S201

TYP. ALLOWABLE PIPING LOCATIONS @ FOOTING DETAIL
SCALE: NONE

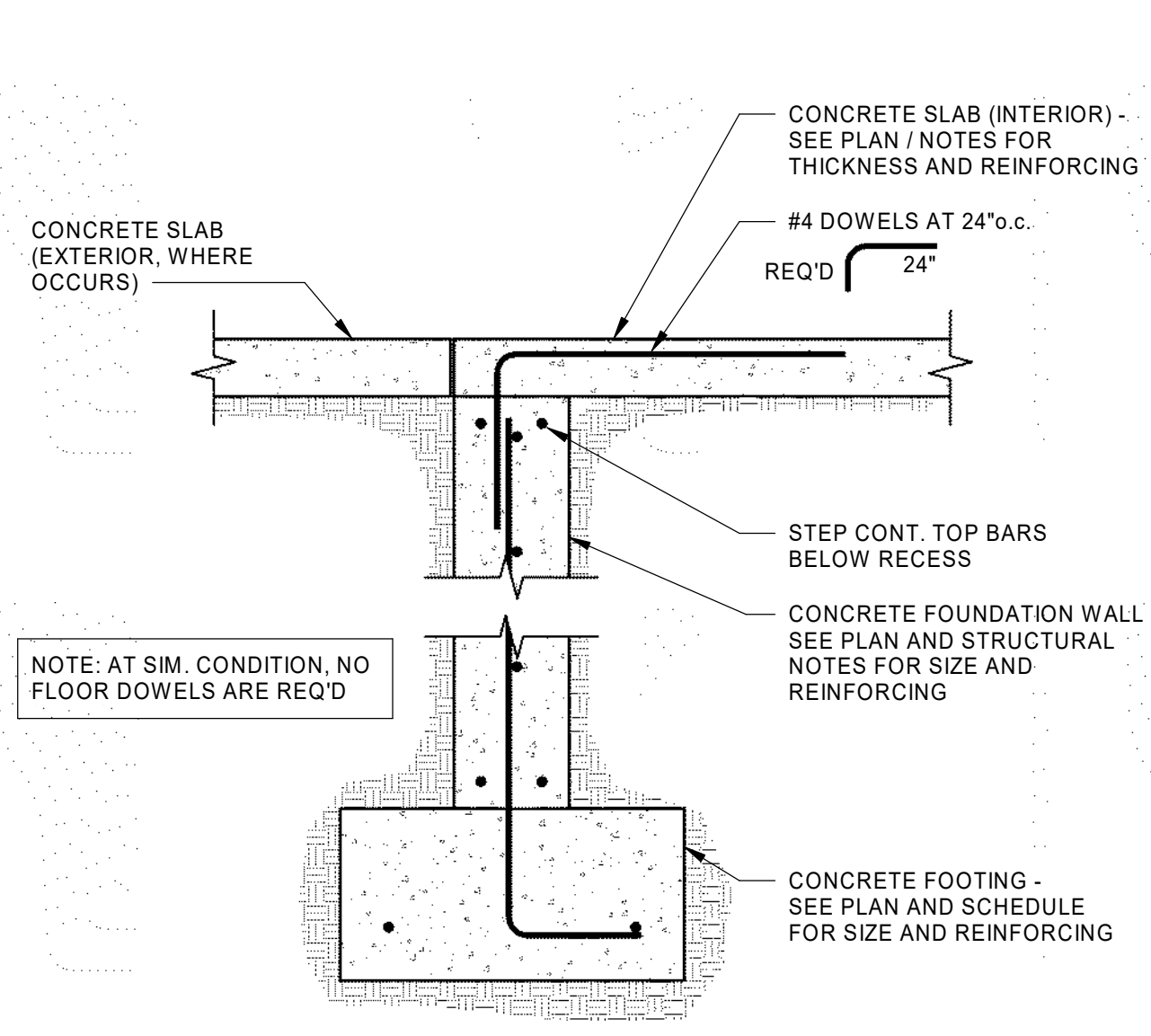
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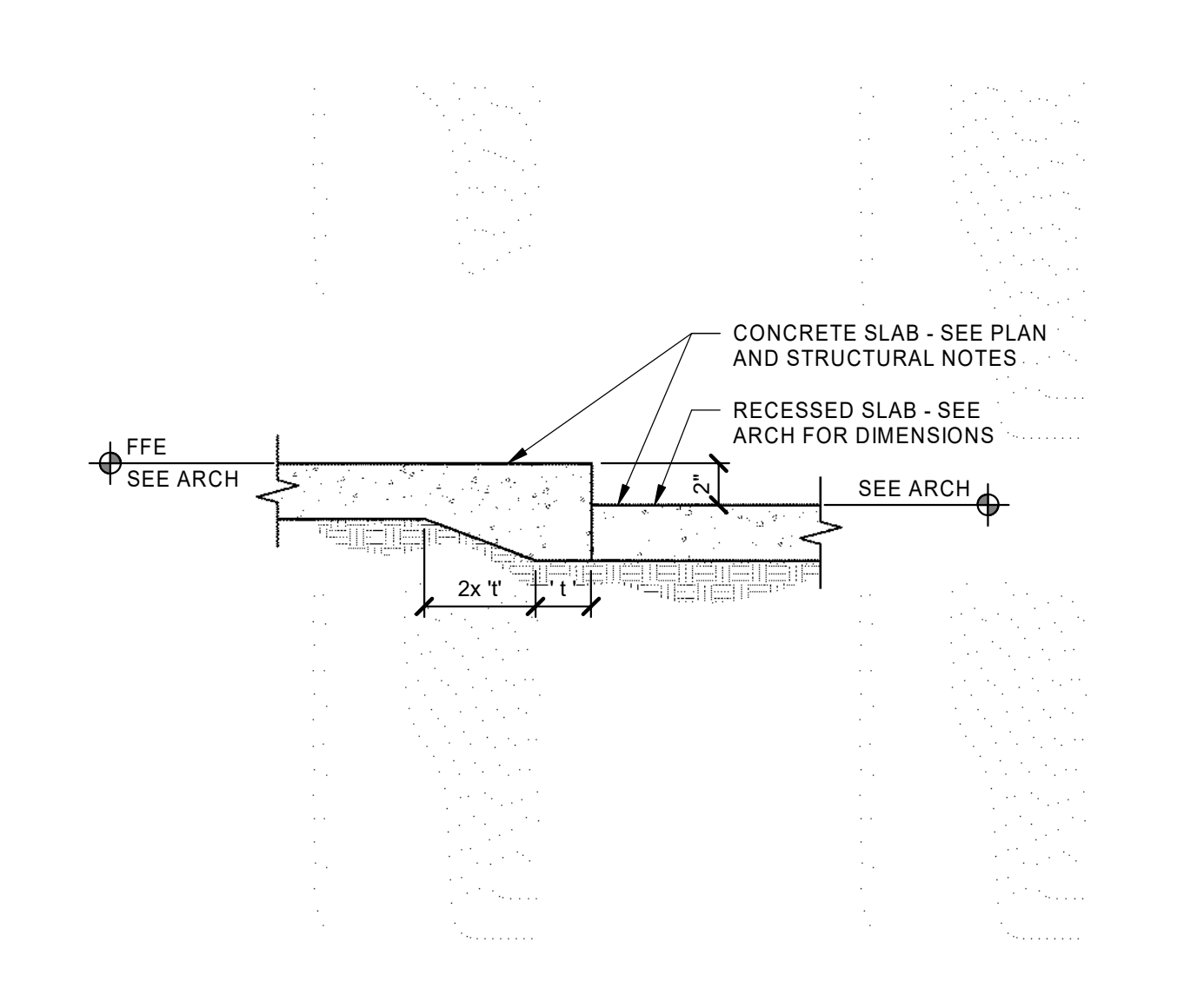
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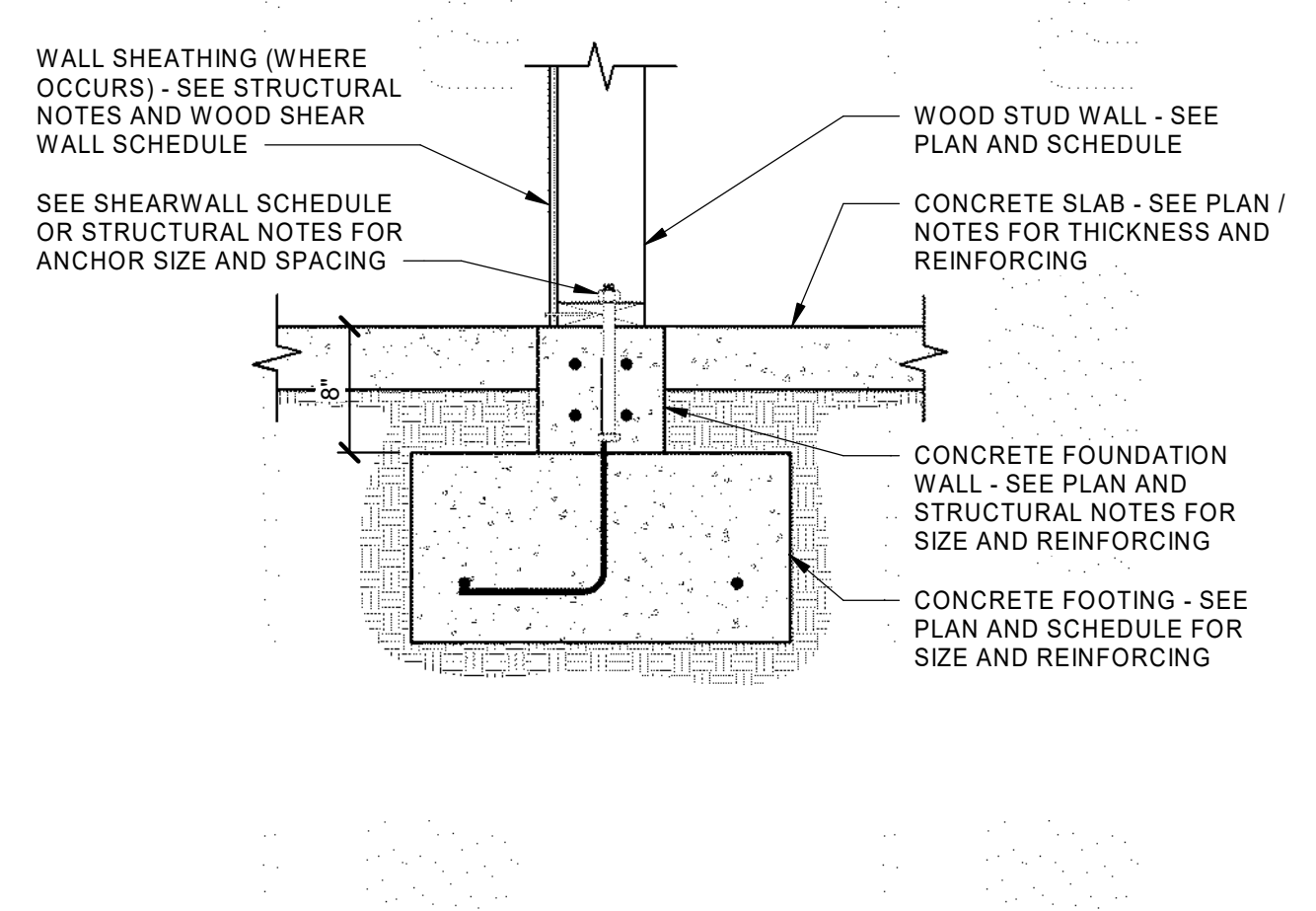
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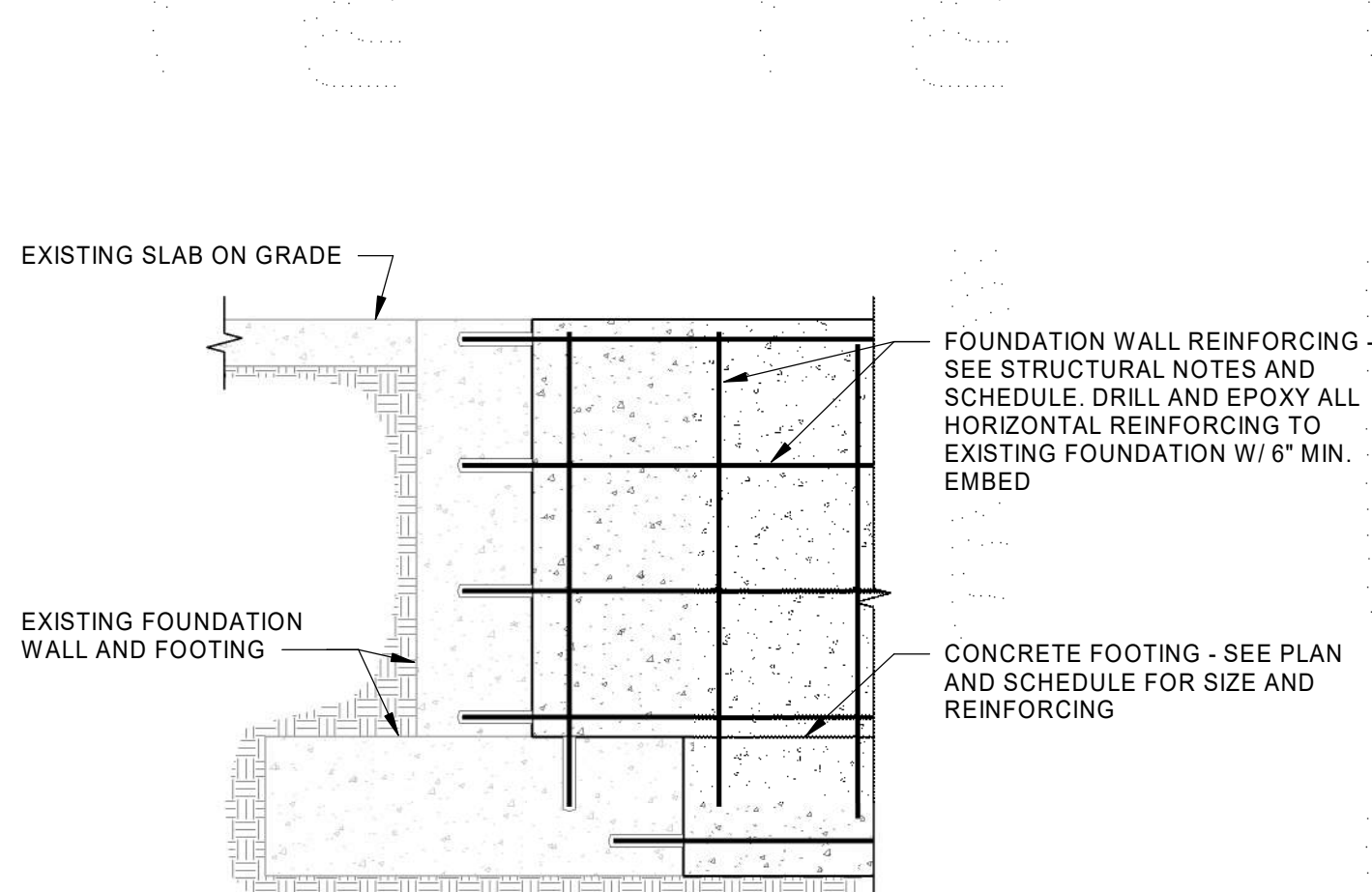
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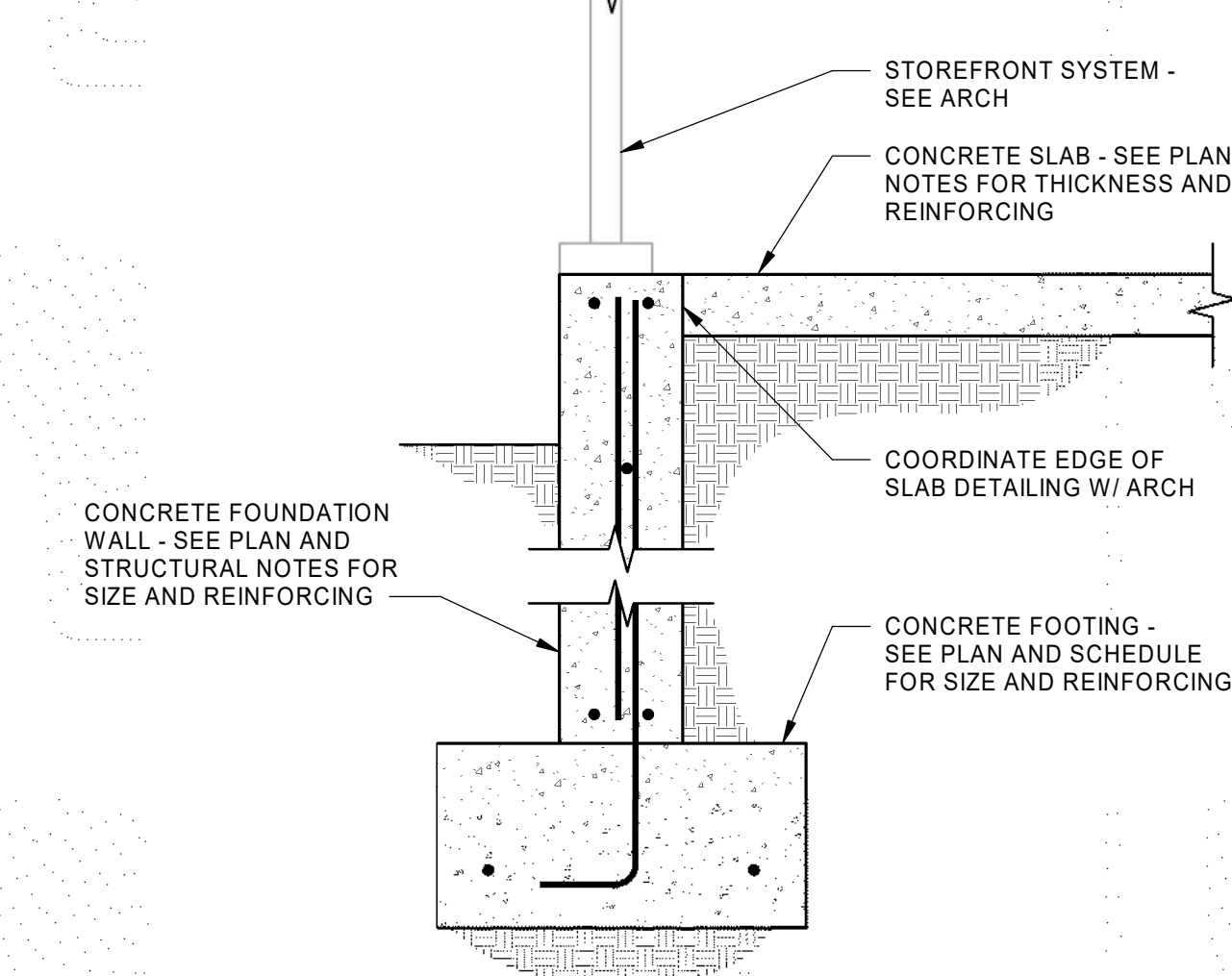
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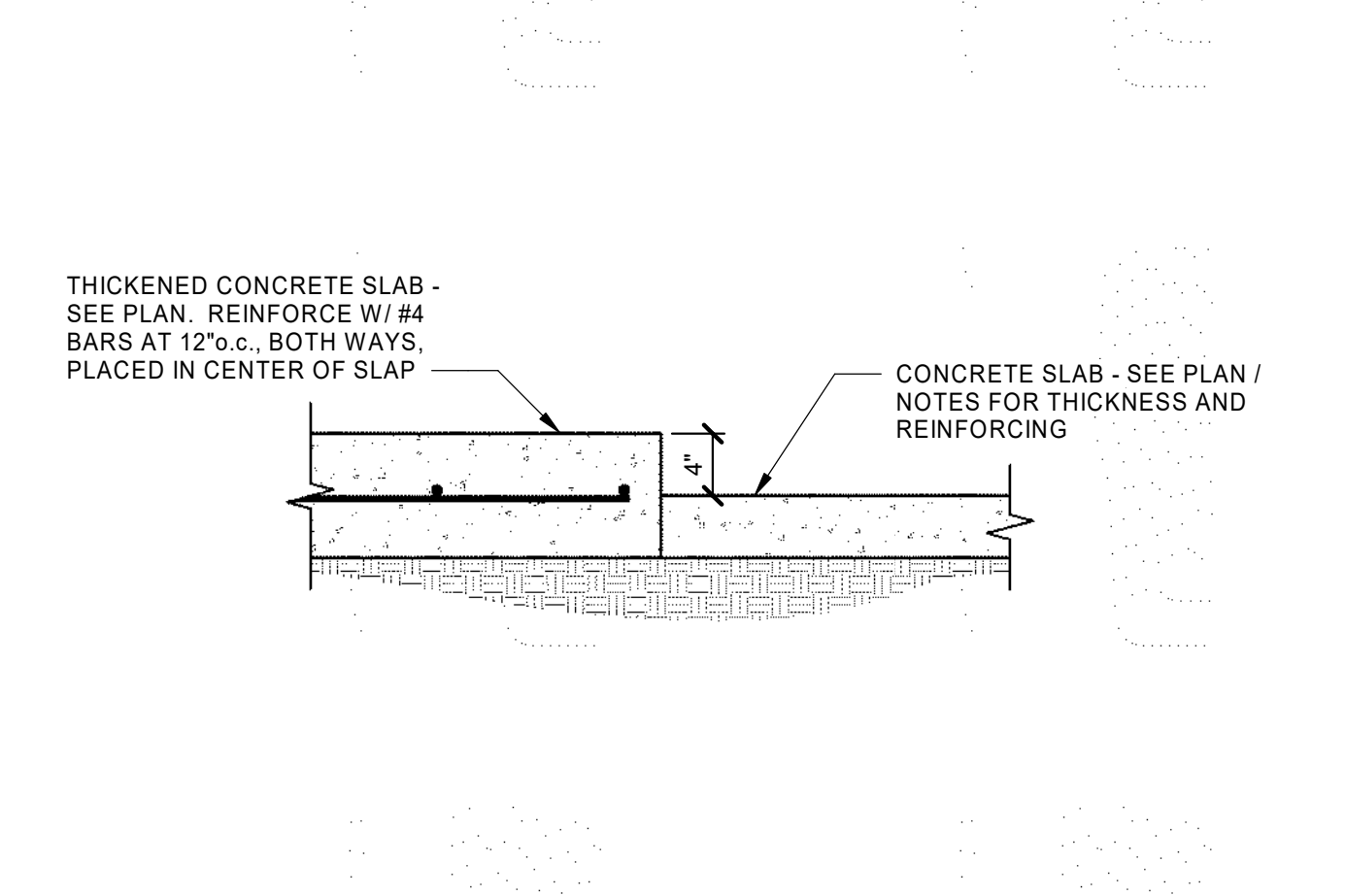
7
S201



8
S201



9
S201



10
S201

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8-17-2025
STATE OF UTAH

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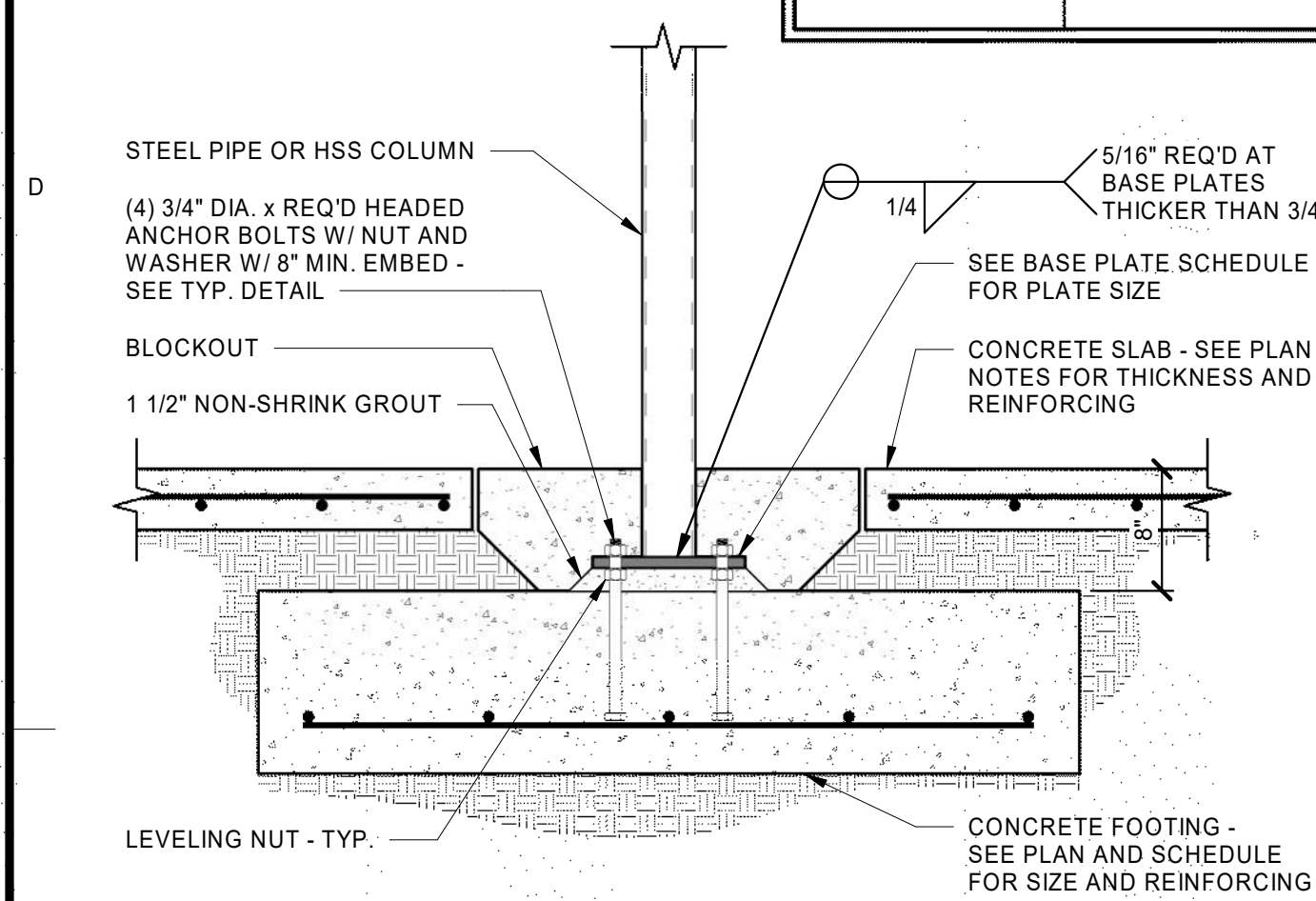
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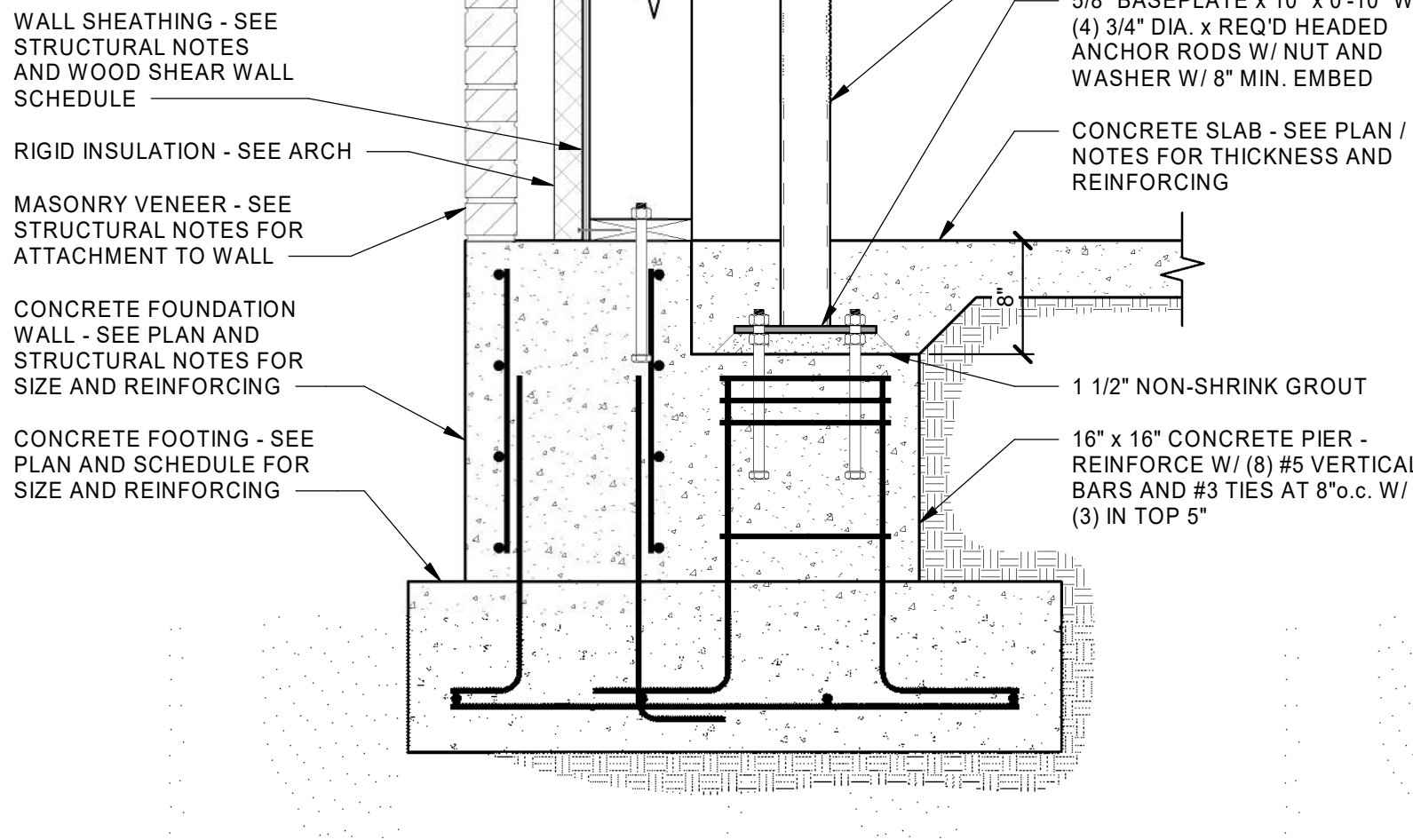
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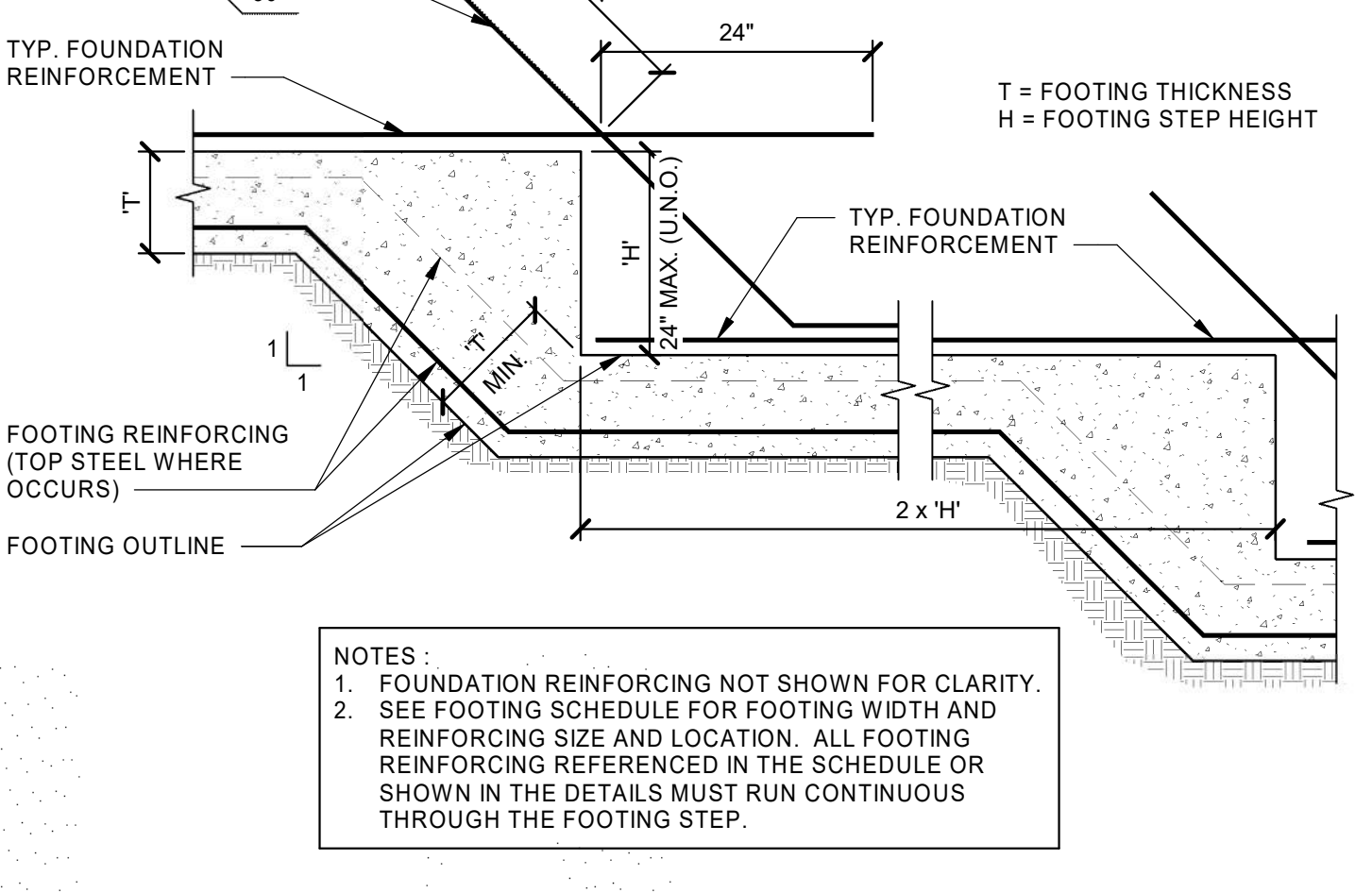
BASE PLATE SCHEDULE	
COLUMN SIZE	BASE PLATE SIZE
4" SQ	PL. 5/8" x 10" x 0'-10"



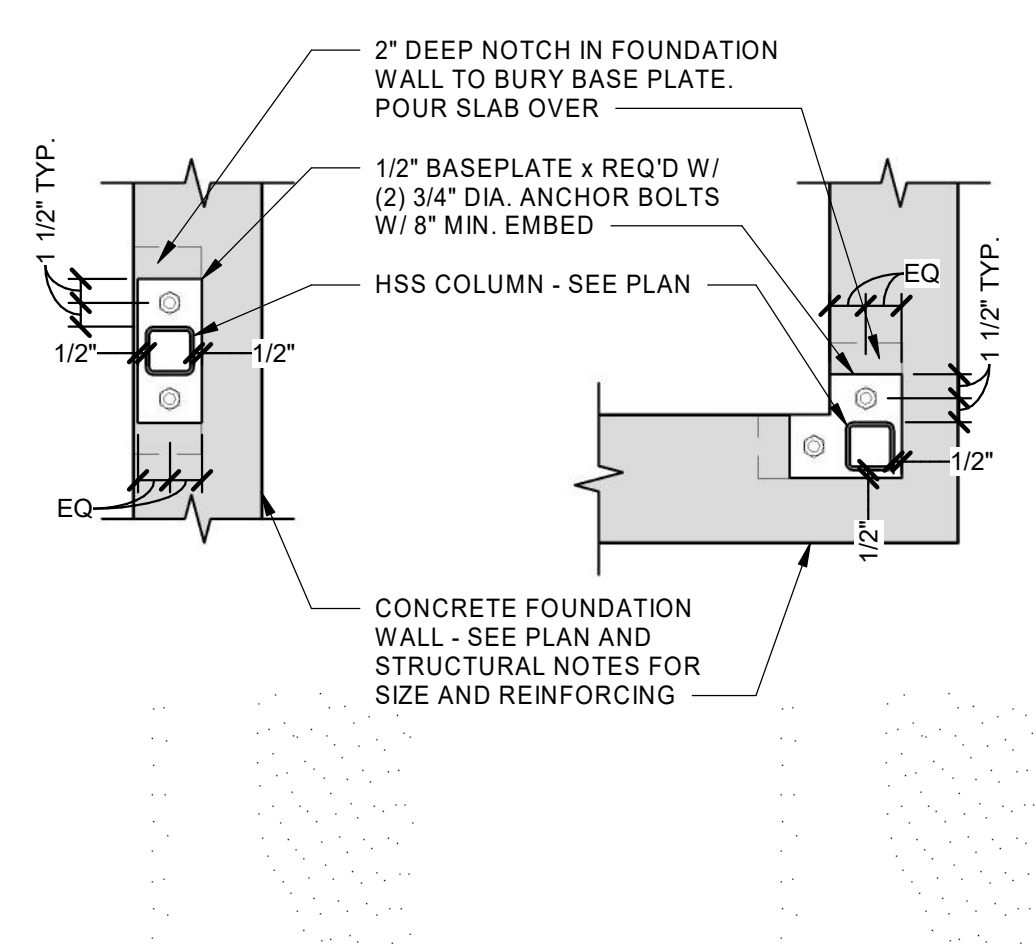
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COLUMN TO SPOT FOOTING
SCALE: NONE
S202



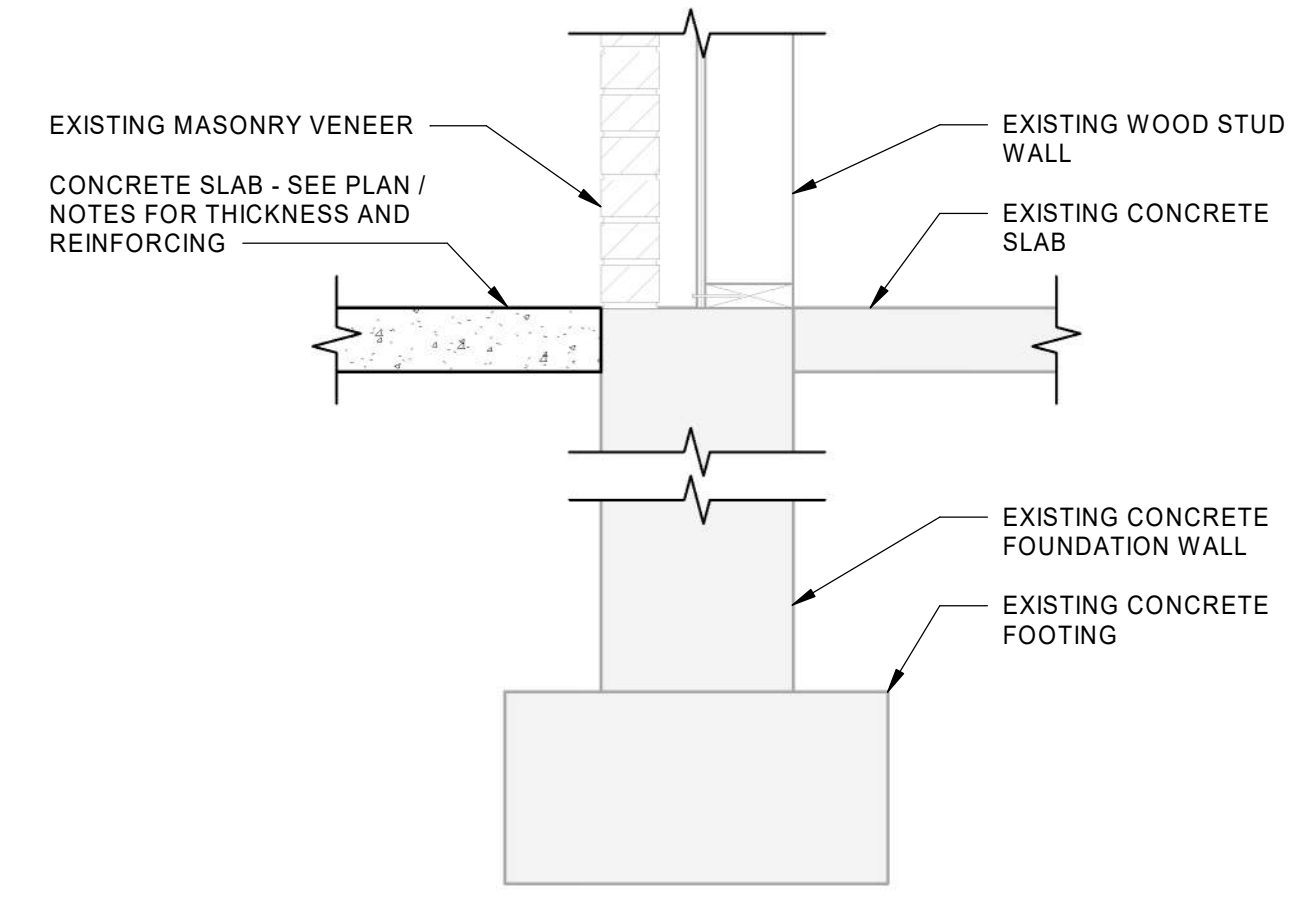
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DETAIL
SCALE: NONE
S202



3
TYPICAL STEPPED FOOTING
SCALE: NONE
S202



4
DETAIL
SCALE: NONE
S202



5
DETAIL
SCALE: NONE
S202

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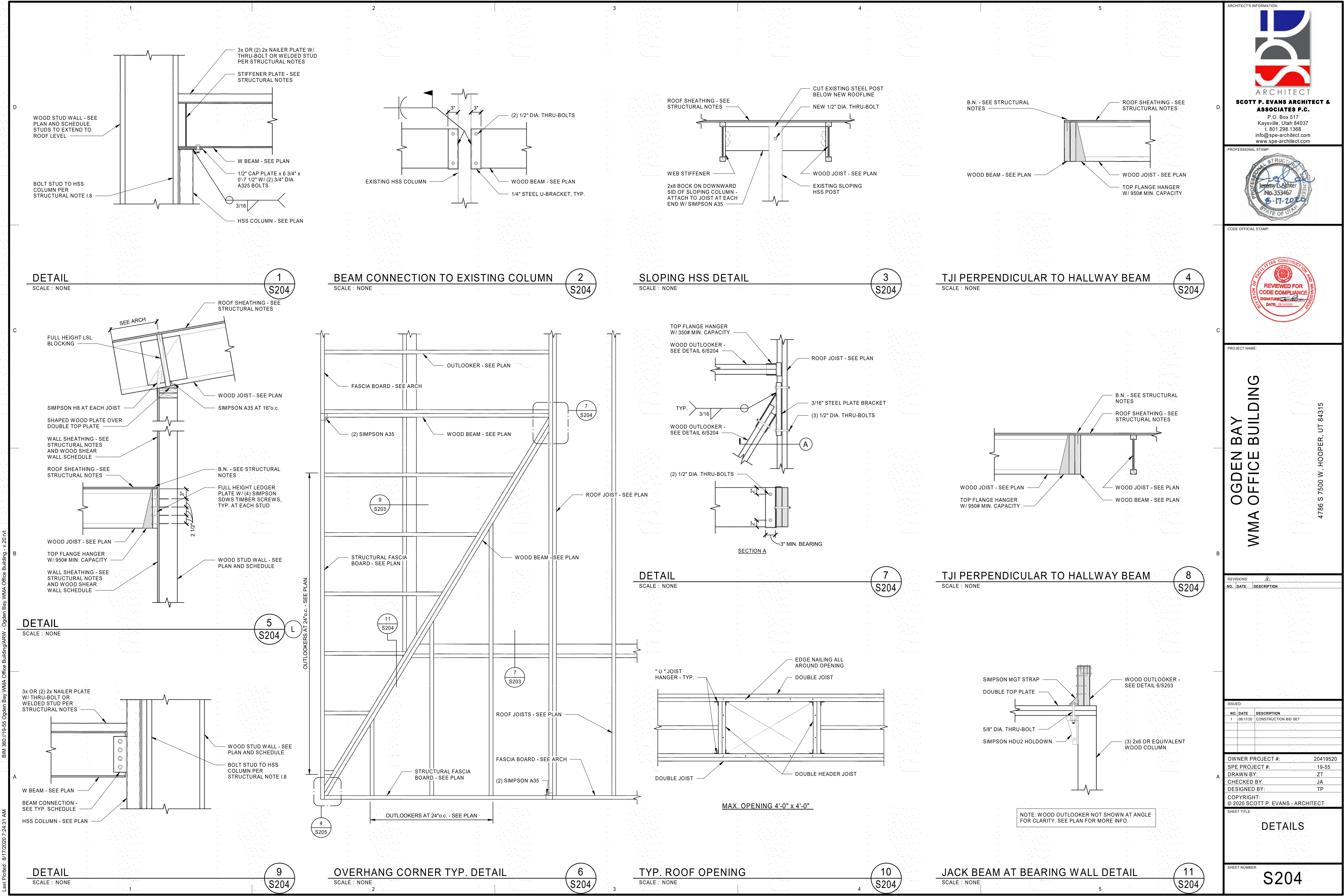
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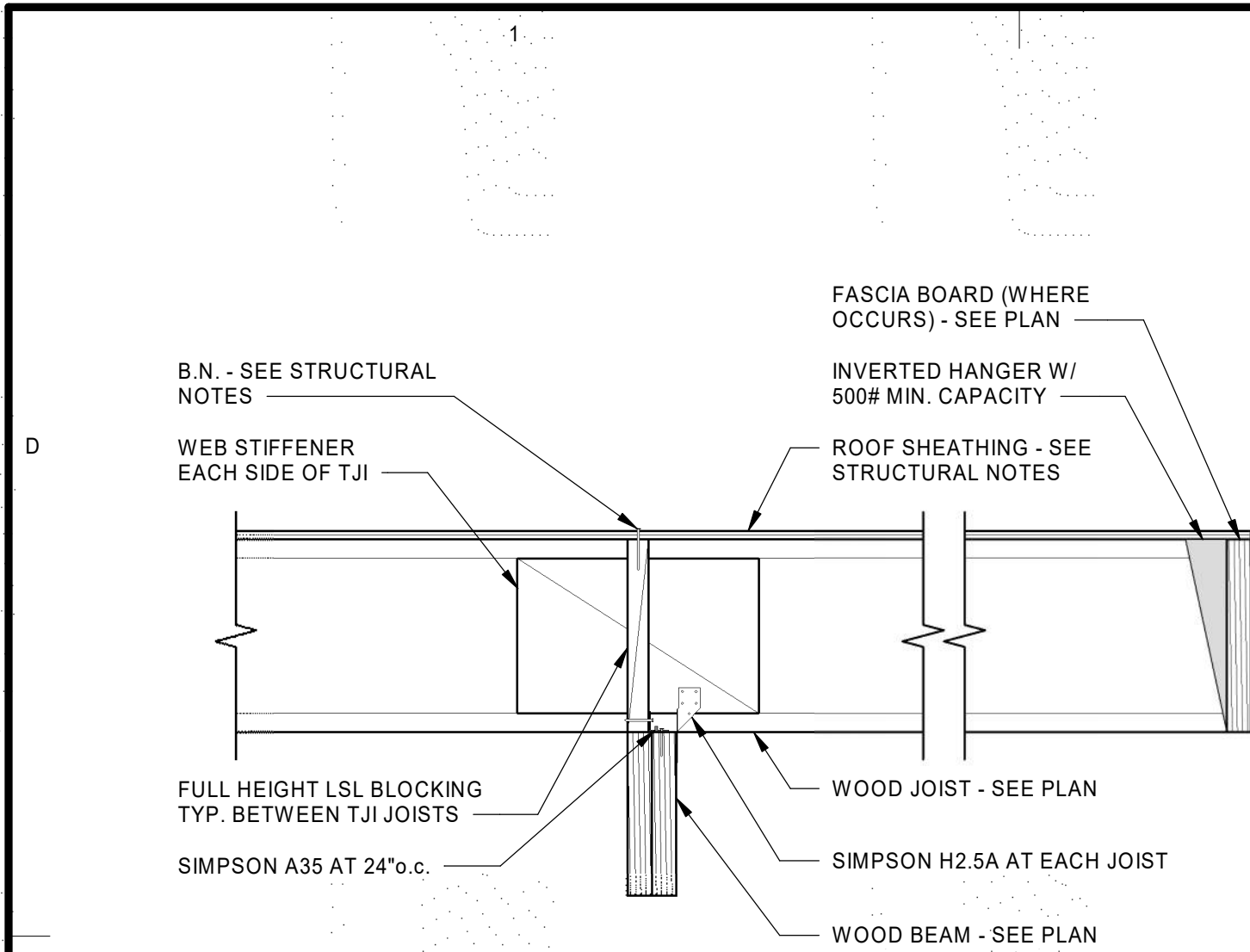
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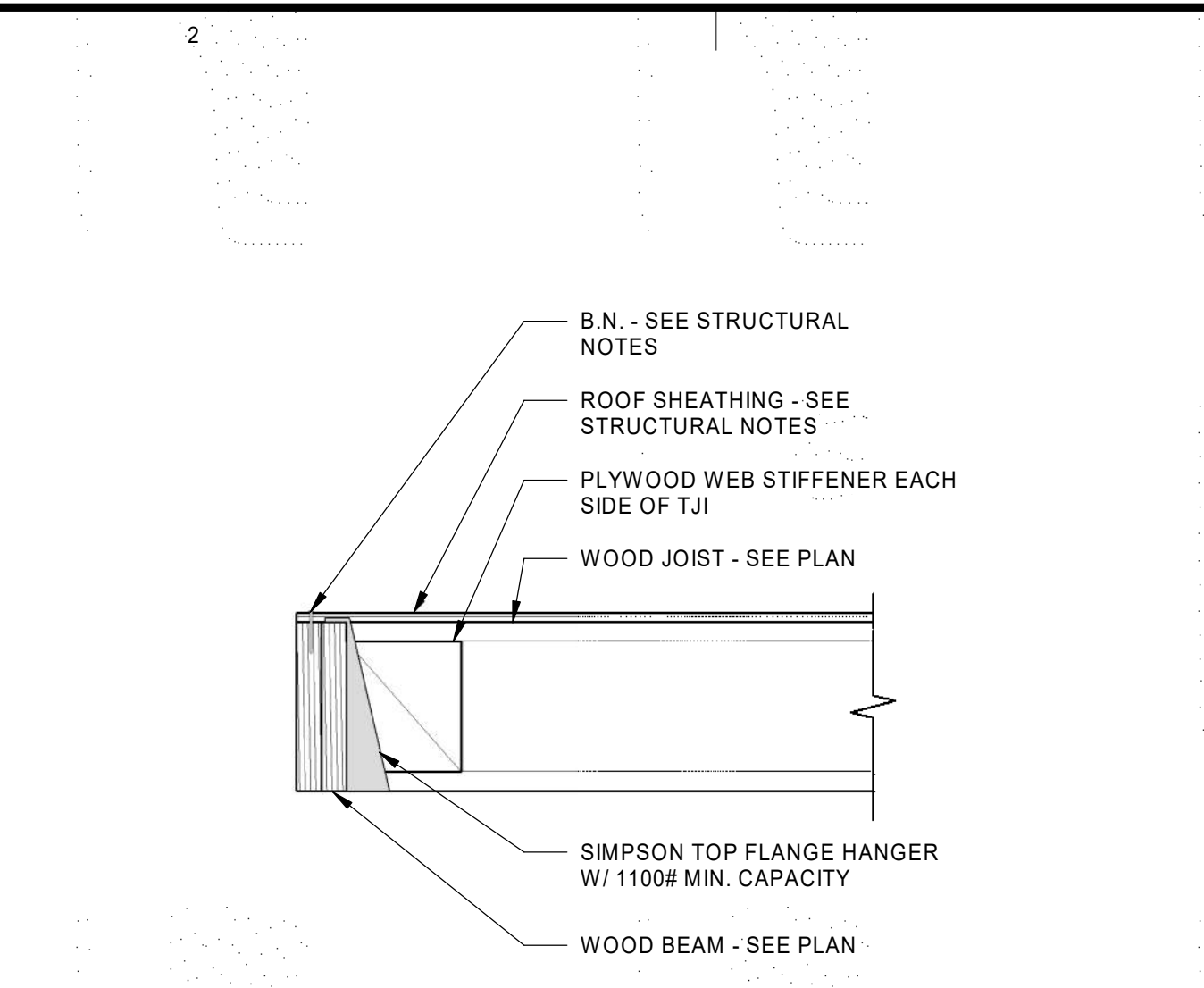
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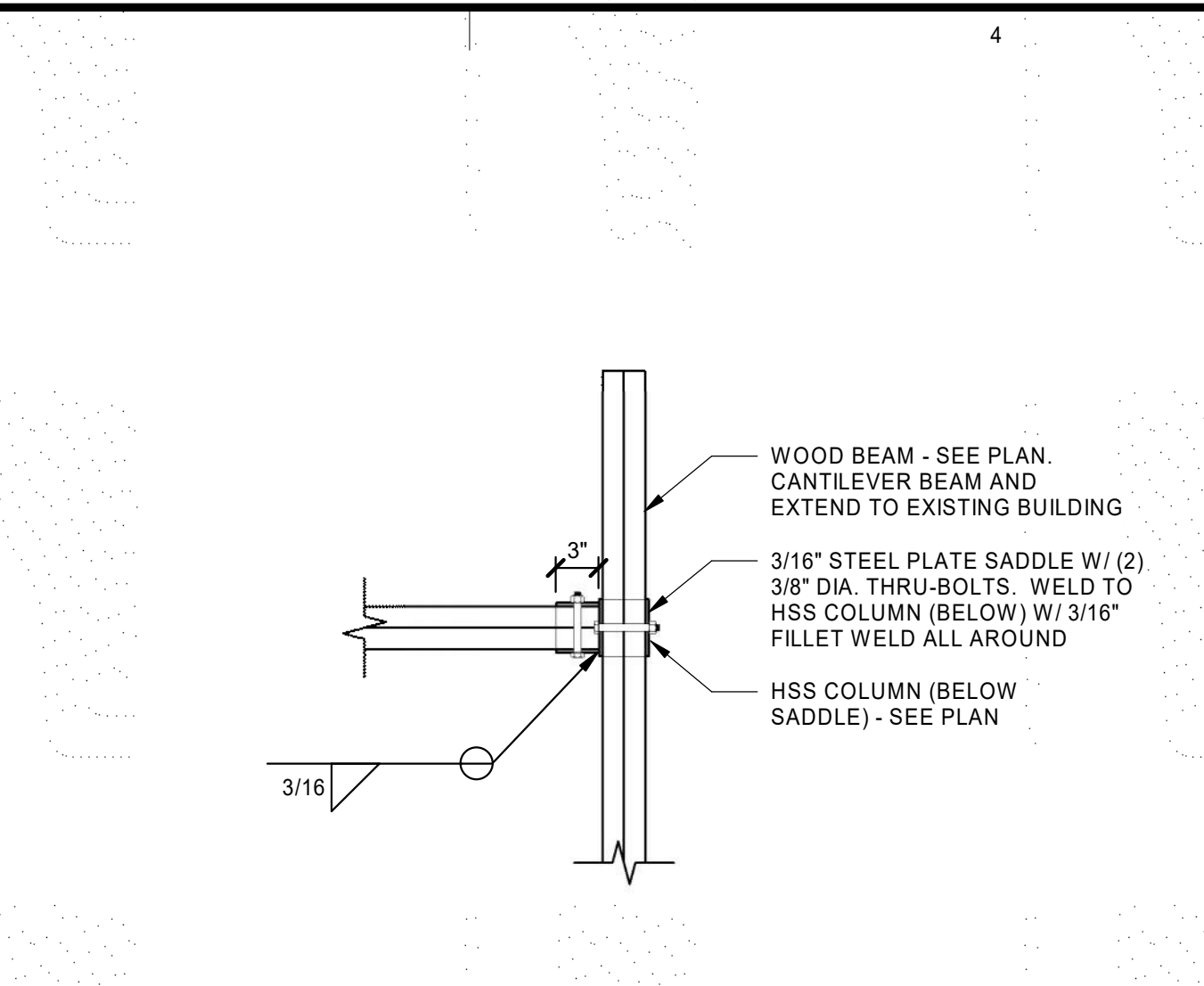
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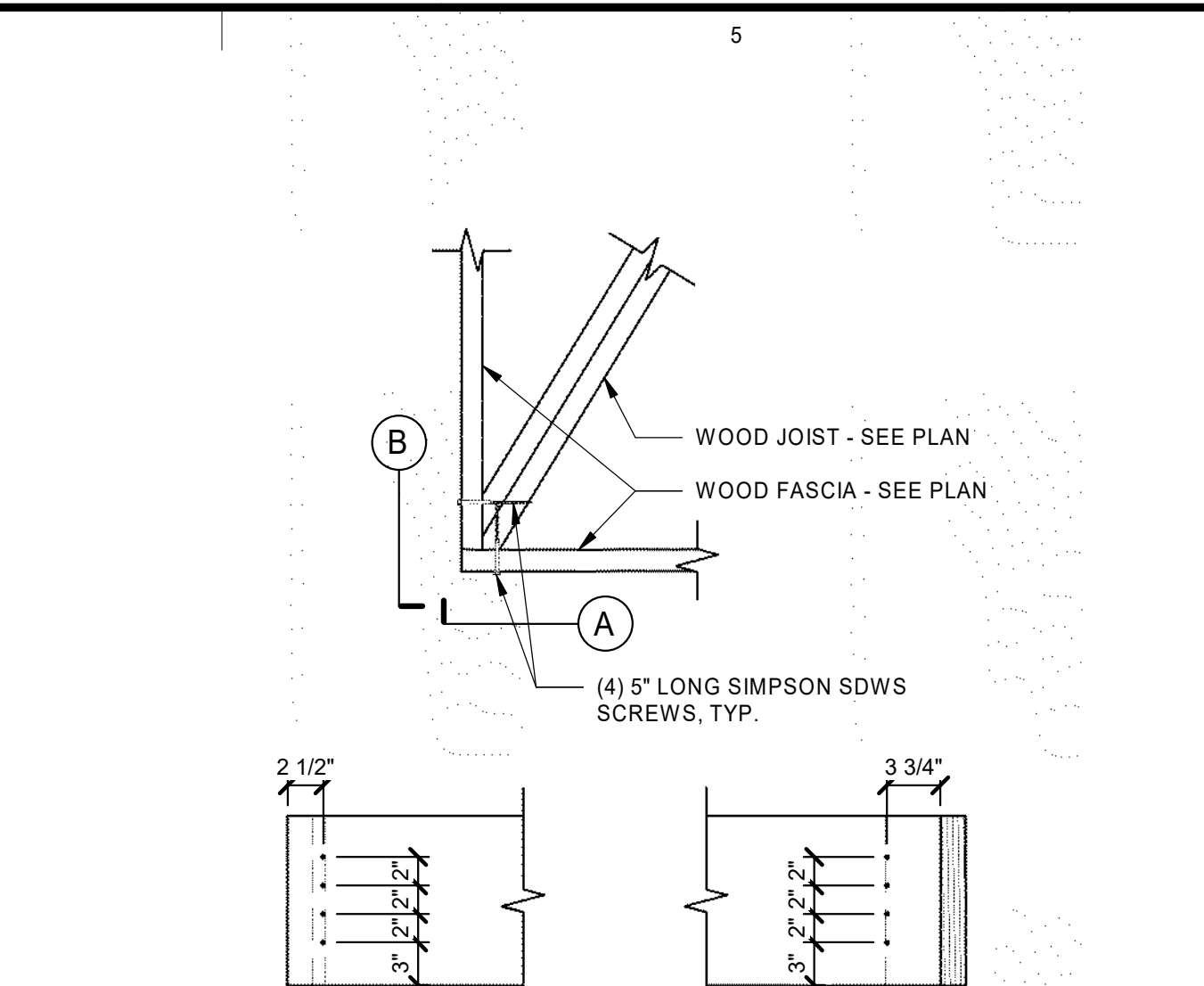
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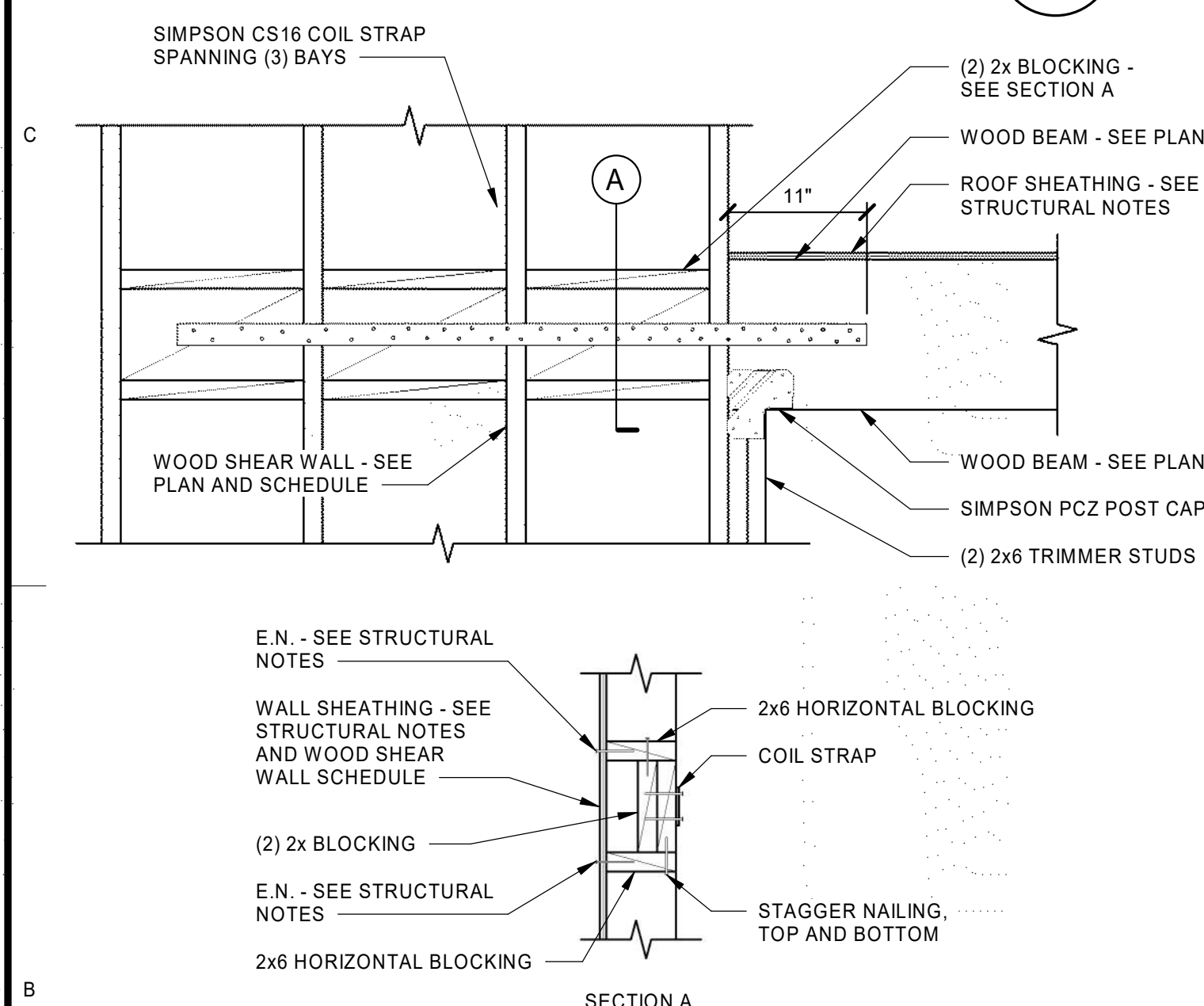
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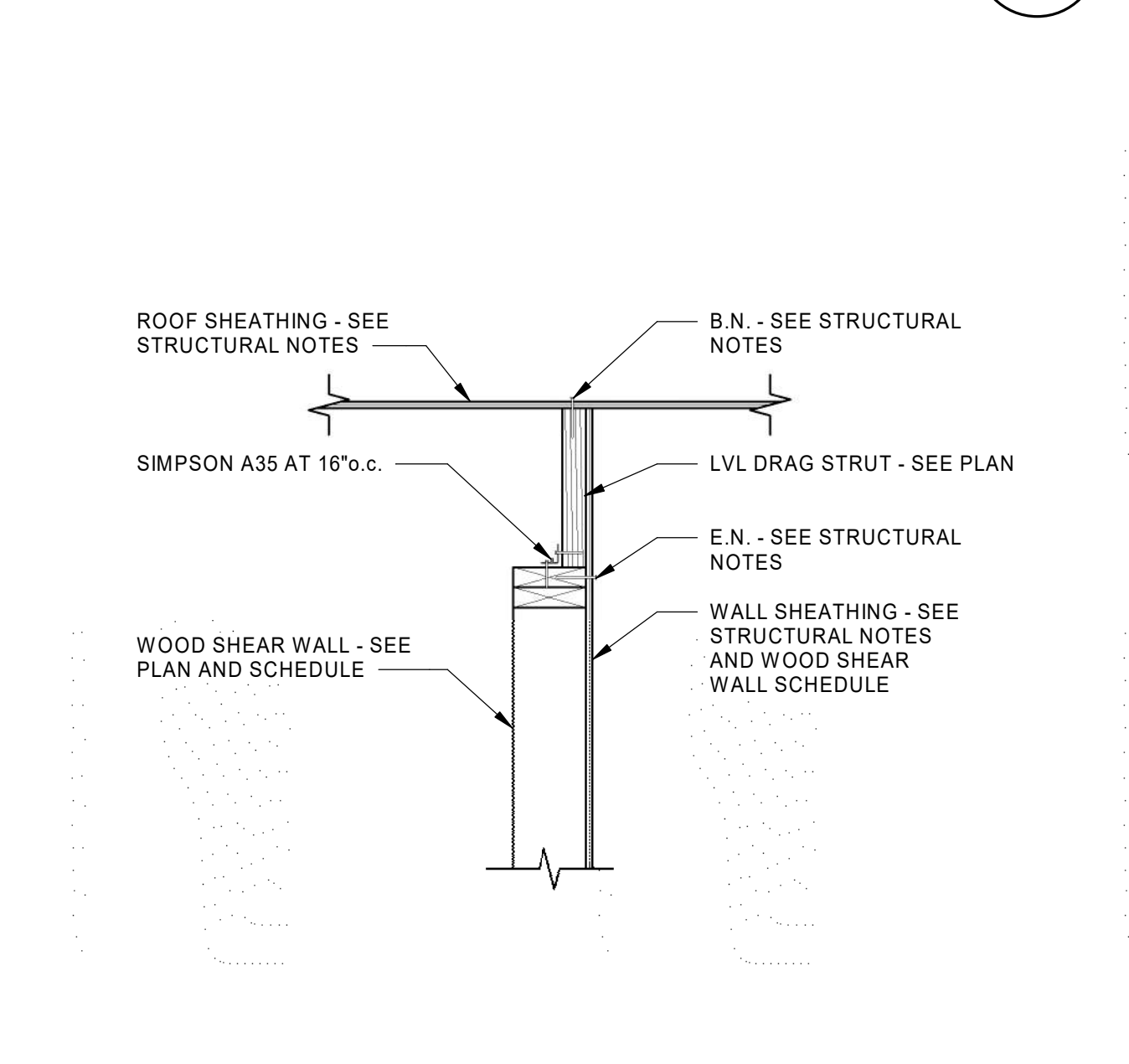
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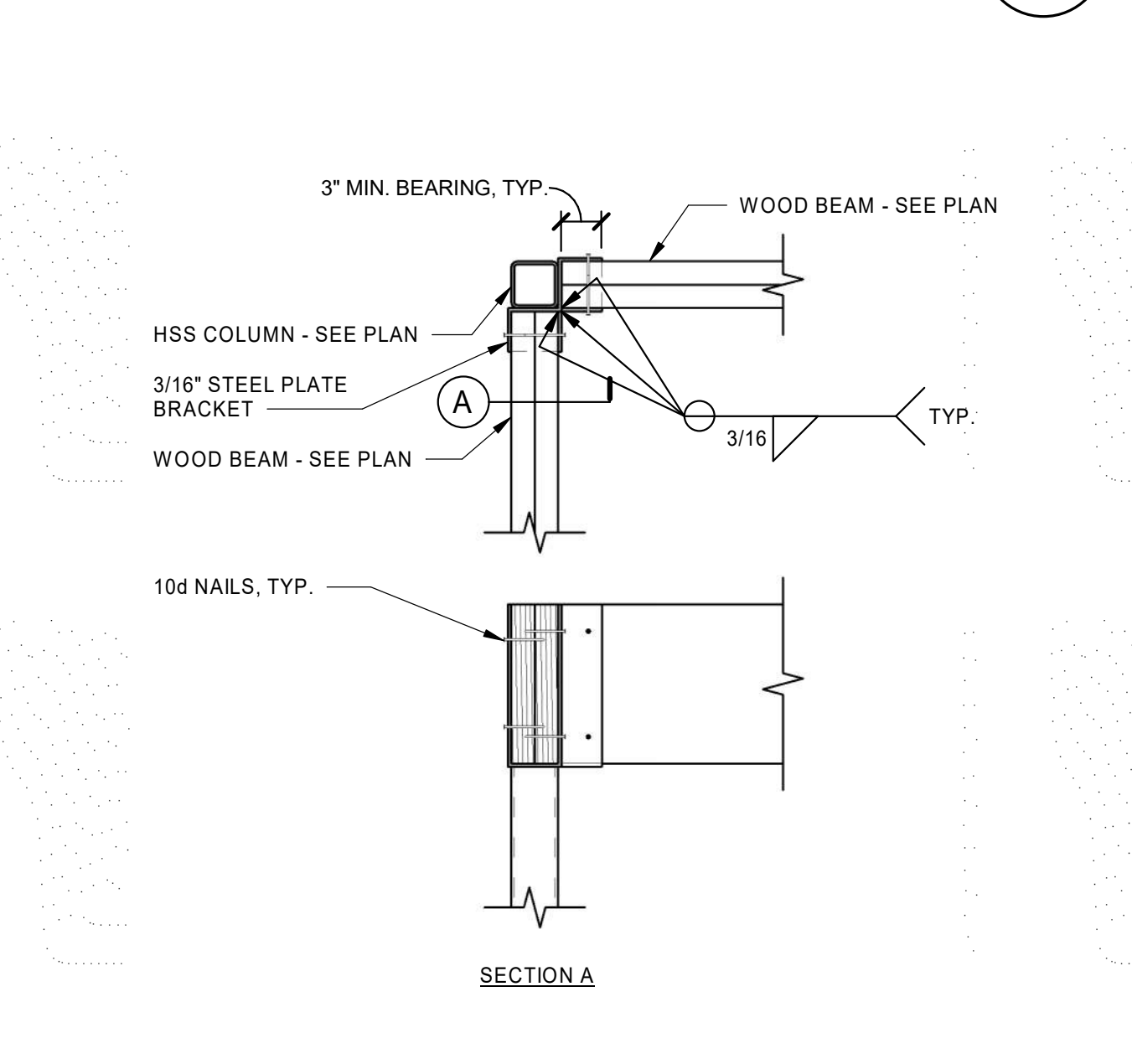
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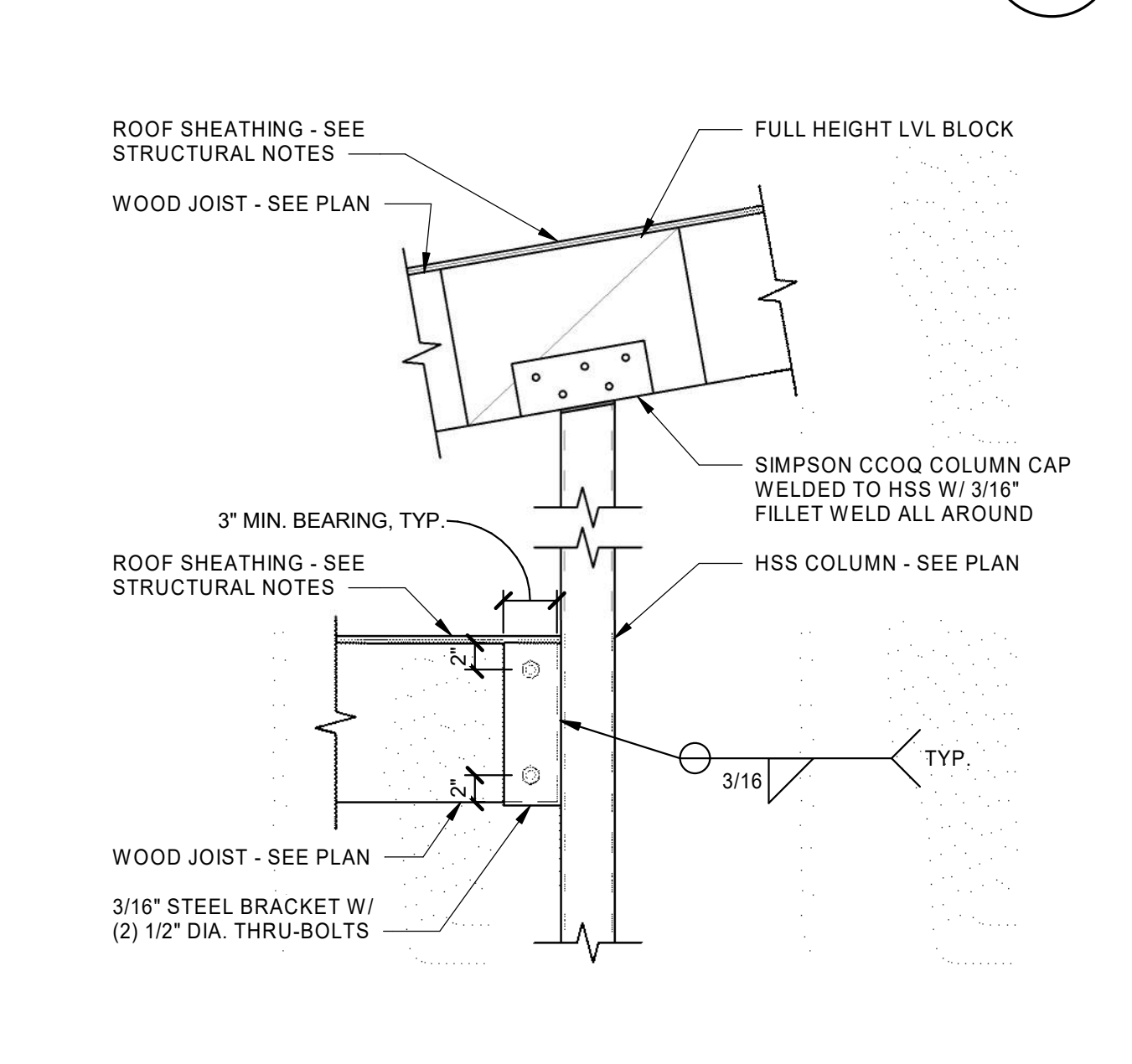
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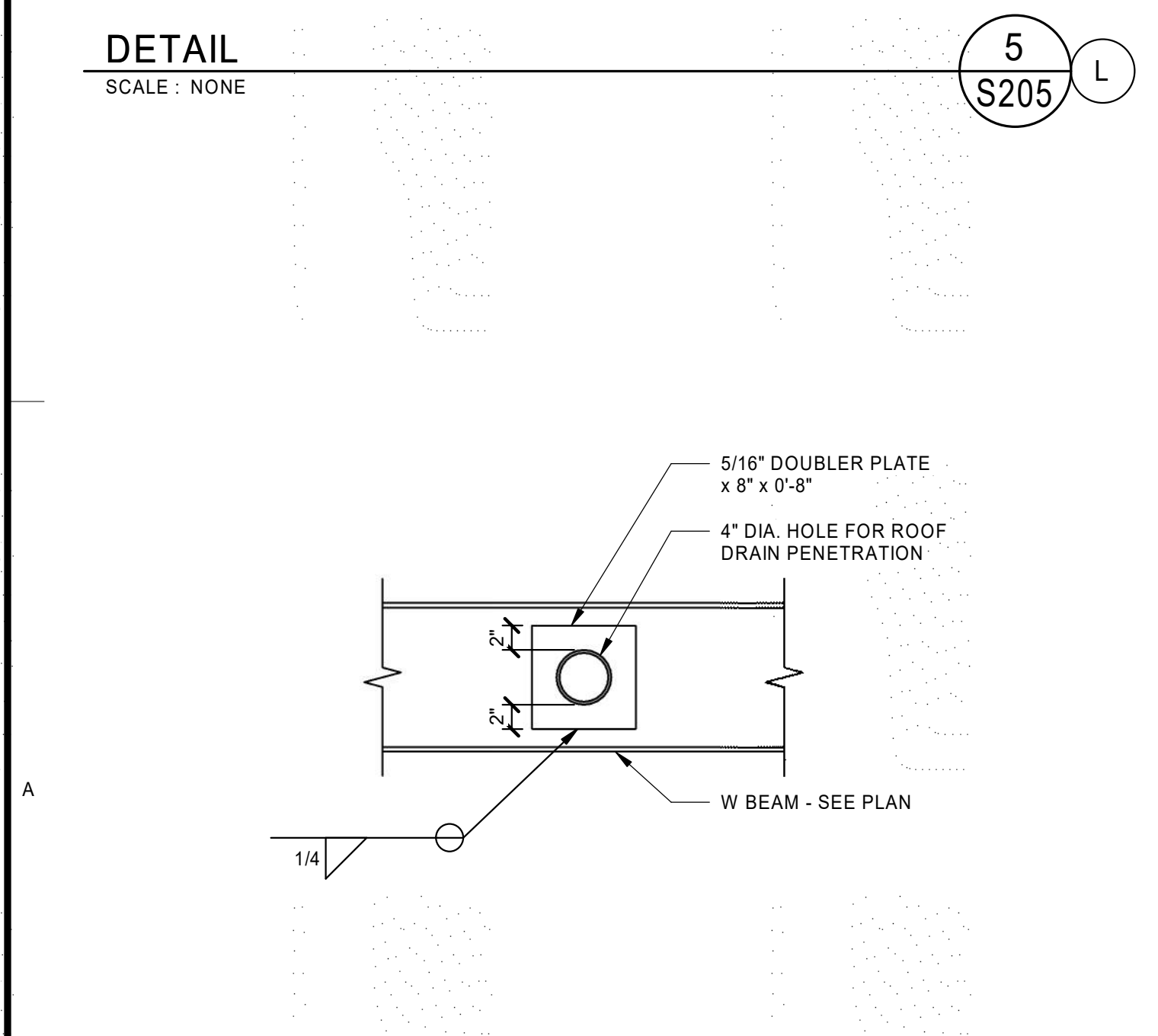
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DETAIL
 SCALE: NONE

8
 S205



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 SCALE: NONE

9
 S205

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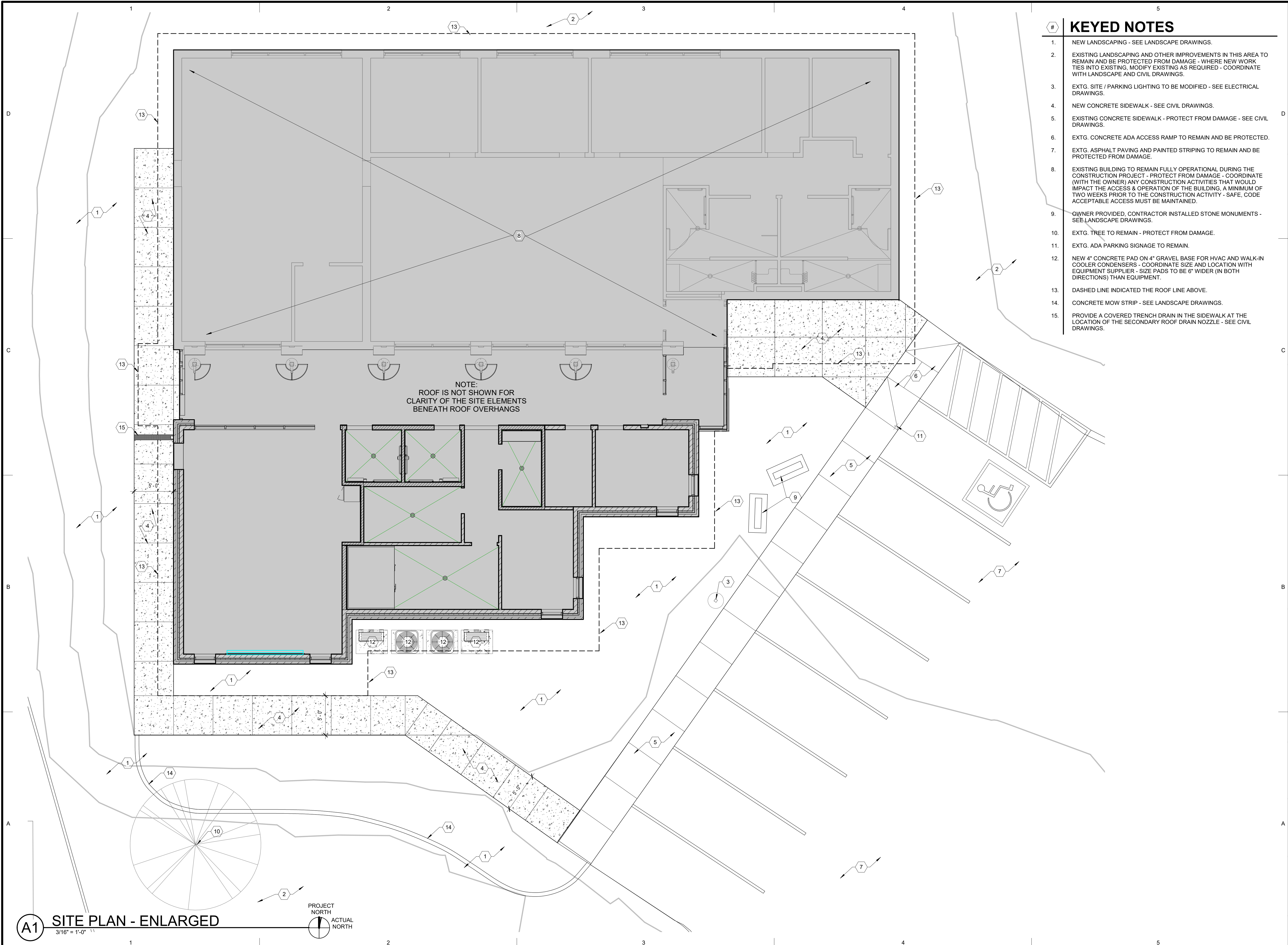
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SHEET NUMBER:

S205



- KEYED NOTES**
1. NEW LANDSCAPING - SEE LANDSCAPE DRAWINGS.
 2. EXISTING LANDSCAPING AND OTHER IMPROVEMENTS IN THIS AREA TO REMAIN AND BE PROTECTED FROM DAMAGE - WHERE NEW WORK TIES INTO EXISTING, MODIFY EXISTING AS REQUIRED - COORDINATE WITH LANDSCAPE AND CIVIL DRAWINGS.
 3. EXTG. SITE / PARKING LIGHTING TO BE MODIFIED - SEE ELECTRICAL DRAWINGS.
 4. NEW CONCRETE SIDEWALK - SEE CIVIL DRAWINGS.
 5. EXISTING CONCRETE SIDEWALK - PROTECT FROM DAMAGE - SEE CIVIL DRAWINGS.
 6. EXTG. CONCRETE ADA ACCESS RAMP TO REMAIN AND BE PROTECTED.
 7. EXTG. ASPHALT PAVING AND PAINTED STRIPING TO REMAIN AND BE PROTECTED FROM DAMAGE.
 8. EXISTING BUILDING TO REMAIN FULLY OPERATIONAL DURING THE CONSTRUCTION PROJECT - PROTECT FROM DAMAGE - COORDINATE (WITH THE OWNER) ANY CONSTRUCTION ACTIVITIES THAT WOULD IMPACT THE ACCESS & OPERATION OF THE BUILDING. A MINIMUM OF TWO WEEKS PRIOR TO THE CONSTRUCTION ACTIVITY - SAFE, CODE ACCEPTABLE ACCESS MUST BE MAINTAINED.
 9. OWNER PROVIDED, CONTRACTOR INSTALLED STONE MONUMENTS - SEE LANDSCAPE DRAWINGS.
 10. EXTG. TREE TO REMAIN - PROTECT FROM DAMAGE.
 11. EXTG. ADA PARKING SIGNAGE TO REMAIN.
 12. NEW 4" CONCRETE PAD ON 4" GRAVEL BASE FOR HVAC AND WALK-IN COOLER CONDENSERS - COORDINATE SIZE AND LOCATION WITH EQUIPMENT SUPPLIER - SIZE PADS TO BE 6" WIDER (IN BOTH DIRECTIONS) THAN EQUIPMENT.
 13. DASHED LINE INDICATED THE ROOF LINE ABOVE.
 14. CONCRETE MOW STRIP - SEE LANDSCAPE DRAWINGS.
 15. PROVIDE A COVERED TRENCH DRAIN IN THE SIDEWALK AT THE LOCATION OF THE SECONDARY ROOF DRAIN NOZZLE - SEE CIVIL DRAWINGS.

NOTE:
ROOF IS NOT SHOWN FOR
CLARITY OF THE SITE ELEMENTS
BENEATH ROOF OVERHANGS

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PROFESSIONAL STAMP:

CODE OFFICIAL STAMP:

PROJECT NAME:

**OGDEN BAY
WMA OFFICE BUILDING**

4786 S 7500 W, HOOPER, UT 84315

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #: 20419520
SPE PROJECT #: 19-55
DRAWN BY: GTE
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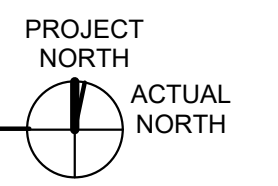
SHEET TITLE:

SITE PLAN

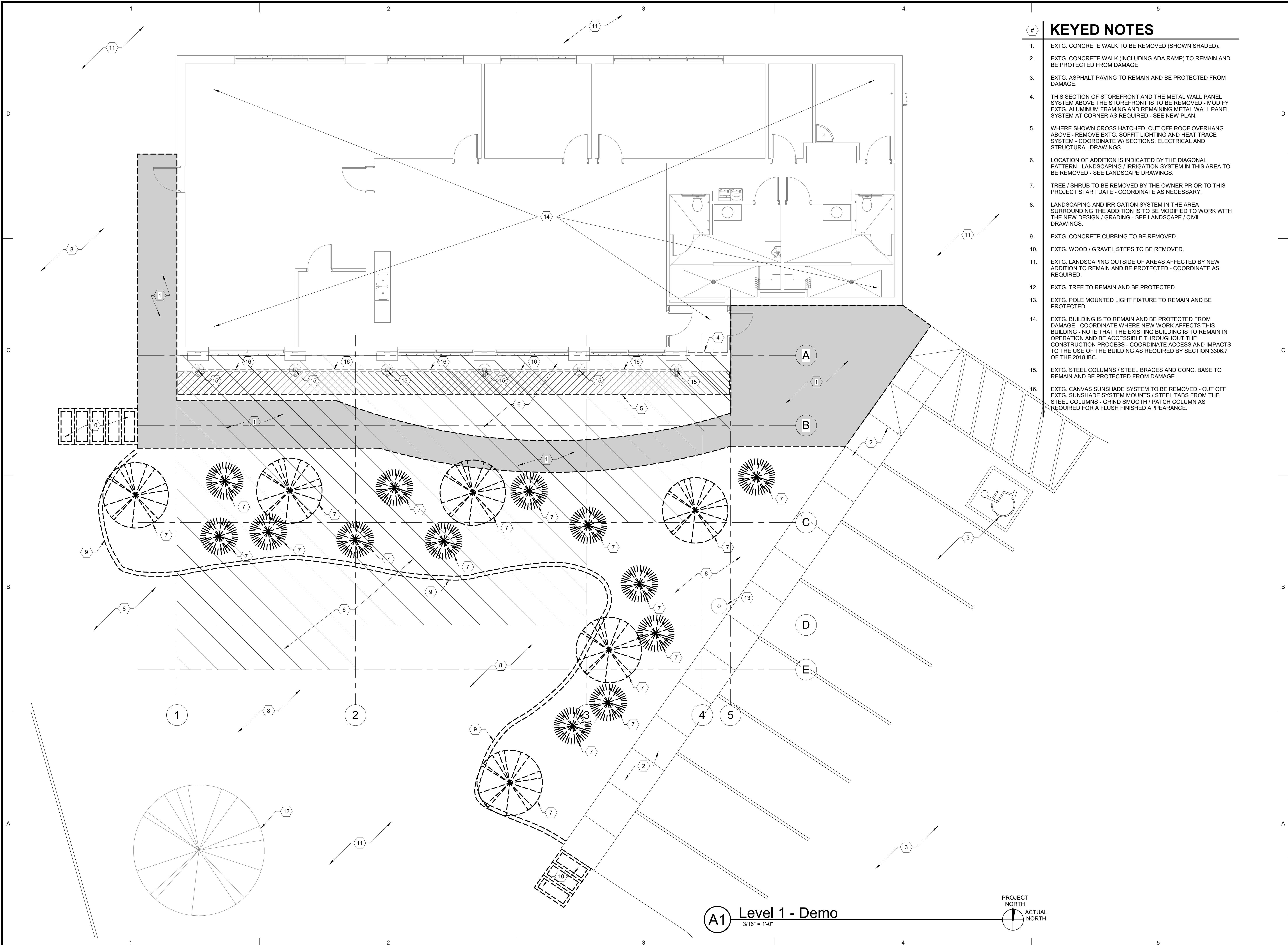
SHEET NUMBER:

AS-101

A1 SITE PLAN - ENLARGED
3/16" = 1'-0"



Last Plotted: 9/12/2020 9:45:25 AM



KEYED NOTES

1. EXTG. CONCRETE WALK TO BE REMOVED (SHOWN SHADED).
2. EXTG. CONCRETE WALK (INCLUDING ADA RAMP) TO REMAIN AND BE PROTECTED FROM DAMAGE.
3. EXTG. ASPHALT PAVING TO REMAIN AND BE PROTECTED FROM DAMAGE.
4. THIS SECTION OF STOREFRONT AND THE METAL WALL PANEL SYSTEM ABOVE THE STOREFRONT IS TO BE REMOVED - MODIFY EXTG. ALUMINUM FRAMING AND REMAINING METAL WALL PANEL SYSTEM AT CORNER AS REQUIRED - SEE NEW PLAN.
5. WHERE SHOWN CROSS HATCHED, CUT OFF ROOF OVERHANG ABOVE - REMOVE EXTG. SOFFIT LIGHTING AND HEAT TRACE SYSTEM - COORDINATE W/ SECTIONS, ELECTRICAL AND STRUCTURAL DRAWINGS.
6. LOCATION OF ADDITION IS INDICATED BY THE DIAGONAL PATTERN - LANDSCAPING / IRRIGATION SYSTEM IN THIS AREA TO BE REMOVED - SEE LANDSCAPE DRAWINGS.
7. TREE / SHRUB TO BE REMOVED BY THE OWNER PRIOR TO THIS PROJECT START DATE - COORDINATE AS NECESSARY.
8. LANDSCAPING AND IRRIGATION SYSTEM IN THE AREA SURROUNDING THE ADDITION IS TO BE MODIFIED TO WORK WITH THE NEW DESIGN / GRADING - SEE LANDSCAPE / CIVIL DRAWINGS.
9. EXTG. CONCRETE CURBING TO BE REMOVED.
10. EXTG. WOOD / GRAVEL STEPS TO BE REMOVED.
11. EXTG. LANDSCAPING OUTSIDE OF AREAS AFFECTED BY NEW ADDITION TO REMAIN AND BE PROTECTED - COORDINATE AS REQUIRED.
12. EXTG. TREE TO REMAIN AND BE PROTECTED.
13. EXTG. POLE MOUNTED LIGHT FIXTURE TO REMAIN AND BE PROTECTED.
14. EXTG. BUILDING IS TO REMAIN AND BE PROTECTED FROM DAMAGE - COORDINATE WHERE NEW WORK AFFECTS THIS BUILDING - NOTE THAT THE EXISTING BUILDING IS TO REMAIN IN OPERATION AND BE ACCESSIBLE THROUGHOUT THE CONSTRUCTION PROCESS - COORDINATE ACCESS AND IMPACTS TO THE USE OF THE BUILDING AS REQUIRED BY SECTION 3306.7 OF THE 2018 IBC.
15. EXTG. STEEL COLUMNS / STEEL BRACES AND CONC. BASE TO REMAIN AND BE PROTECTED FROM DAMAGE.
16. EXTG. CANVAS SUNSHADE SYSTEM TO BE REMOVED - CUT OFF EXTG. SUNSHADE SYSTEM MOUNTS / STEEL TABS FROM THE STEEL COLUMNS - GRIND SMOOTH / PATCH COLUMN AS REQUIRED FOR A FLUSH FINISHED APPEARANCE.

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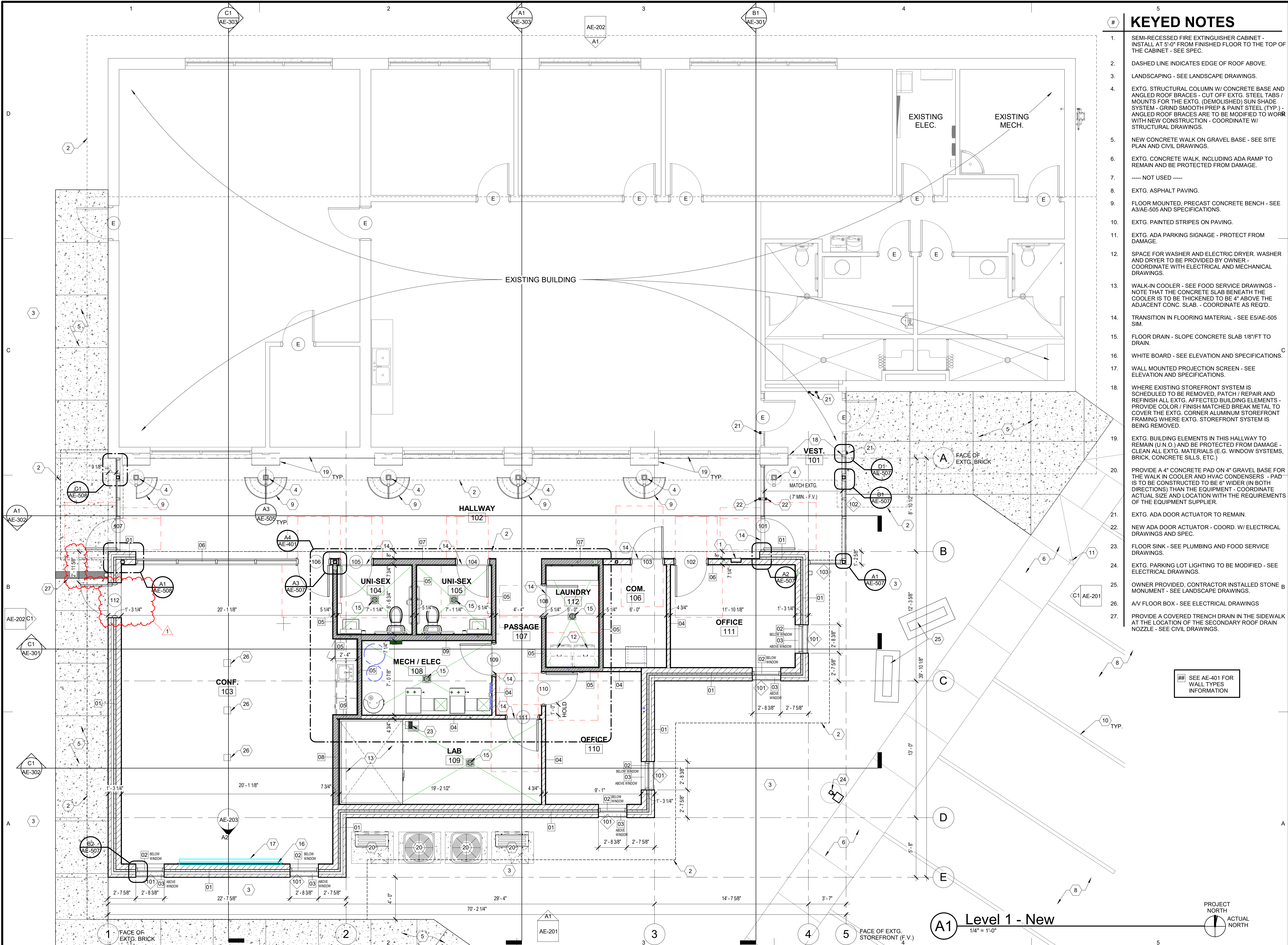
SHEET TITLE

**DEMOLITION
 PLAN**

SHEET NUMBER

AD-101

Last Plotted: 9/12/2020 9:41:45 AM



KEYED NOTES

1. SEMI-RECESSED FIRE EXTINGUISHER CABINET - INSTALL AT 5'-0" FROM FINISHED FLOOR TO THE TOP OF THE CABINET - SEE SPEC.
2. DASHED LINE INDICATES EDGE OF ROOF ABOVE.
3. LANDSCAPING - SEE LANDSCAPE DRAWINGS.
4. EXTG. STRUCTURAL COLUMN W/ CONCRETE BASE AND ANGLED ROOF BRACES - CUT OFF EXTG. STEEL TABS / MOUNTS FOR THE EXTG. (DEMOLISHED) SUN SHADE SYSTEM - GRIND SMOOTH PREP & PAINT STEEL (TYP.) - ANGLED ROOF BRACES ARE TO BE MODIFIED TO WORK WITH NEW CONSTRUCTION - COORDINATE W/ STRUCTURAL DRAWINGS.
5. NEW CONCRETE WALK ON GRAVEL BASE - SEE SITE PLAN AND CIVIL DRAWINGS.
6. EXTG. CONCRETE WALK, INCLUDING ADA RAMP TO REMAIN AND BE PROTECTED FROM DAMAGE.
7. ---- NOT USED ----
8. EXTG. ASPHALT PAVING.
9. FLOOR MOUNTED, PRECAST CONCRETE BENCH - SEE A3/AE-505 AND SPECIFICATIONS.
10. EXTG. PAINTED STRIPES ON PAVING.
11. EXTG. ADA PARKING SIGNAGE - PROTECT FROM DAMAGE.
12. SPACE FOR WASHER AND ELECTRIC DRYER. WASHER AND DRYER TO BE PROVIDED BY OWNER - COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS.
13. WALK-IN COOLER - SEE FOOD SERVICE DRAWINGS - NOTE THAT THE CONCRETE SLAB BENEATH THE COOLER IS TO BE THICKENED TO BE 4" ABOVE THE ADJACENT CONC. SLAB - COORDINATE AS REQ'D.
14. TRANSITION IN FLOORING MATERIAL - SEE E5/AE-505 SIM.
15. FLOOR DRAIN - SLOPE CONCRETE SLAB 1/8"/FT TO DRAIN.
16. WHITE BOARD - SEE ELEVATION AND SPECIFICATIONS.
17. WALL MOUNTED PROJECTION SCREEN - SEE ELEVATION AND SPECIFICATIONS.
18. WHERE EXISTING STOREFRONT SYSTEM IS SCHEDULED TO BE REMOVED, PATCH / REPAIR AND REFINISH ALL EXTG. AFFECTED BUILDING ELEMENTS - PROVIDE COLOR / FINISH MATCHED BREAK METAL TO COVER THE EXTG. CORNER ALUMINUM STOREFRONT FRAMING WHERE EXTG. STOREFRONT SYSTEM IS BEING REMOVED.
19. EXTG. BUILDING ELEMENTS IN THIS HALLWAY TO REMAIN (U.N.O.) AND BE PROTECTED FROM DAMAGE - CLEAN ALL EXTG. MATERIALS, E.G. WINDOW SYSTEMS, BRICK, CONCRETE SILLS, ETC.)
20. PROVIDE A 4" CONCRETE PAD ON 4" GRAVEL BASE FOR THE WALK IN COOLER AND HVAC CONDENSERS - PAD IS TO BE CONSTRUCTED TO BE 6" WIDER (IN BOTH DIRECTIONS) THAN THE EQUIPMENT - COORDINATE ACTUAL SIZE AND LOCATION WITH THE REQUIREMENTS OF THE EQUIPMENT SUPPLIER.
21. EXTG. ADA DOOR ACTUATOR TO REMAIN.
22. NEW ADA DOOR ACTUATOR - COORD. W/ ELECTRICAL DRAWINGS AND SPEC.
23. FLOOR SINK - SEE PLUMBING AND FOOD SERVICE DRAWINGS.
24. EXTG. PARKING LOT LIGHTING TO BE MODIFIED - SEE ELECTRICAL DRAWINGS.
25. OWNER PROVIDED, CONTRACTOR INSTALLED STONE MONUMENT - SEE LANDSCAPE DRAWINGS.
26. A/V FLOOR BOX - SEE ELECTRICAL DRAWINGS
27. PROVIDE A COVERED TRENCH DRAIN IN THE SIDEWALK AT THE LOCATION OF THE SECONDARY ROOF DRAIN NOZZLE - SEE CIVIL DRAWINGS.

SEE AE-401 FOR WALL TYPES INFORMATION

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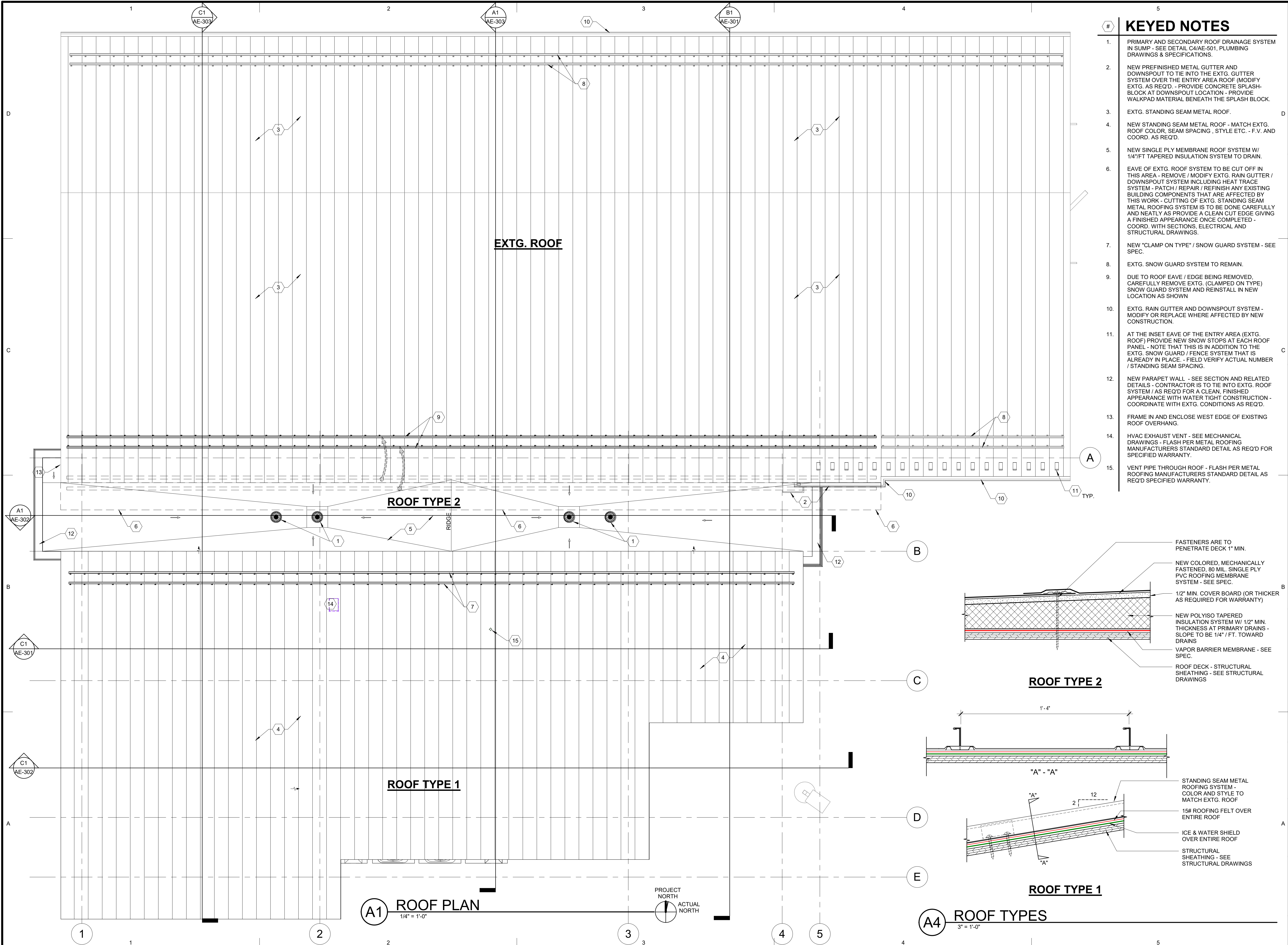
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FLOOR PLAN

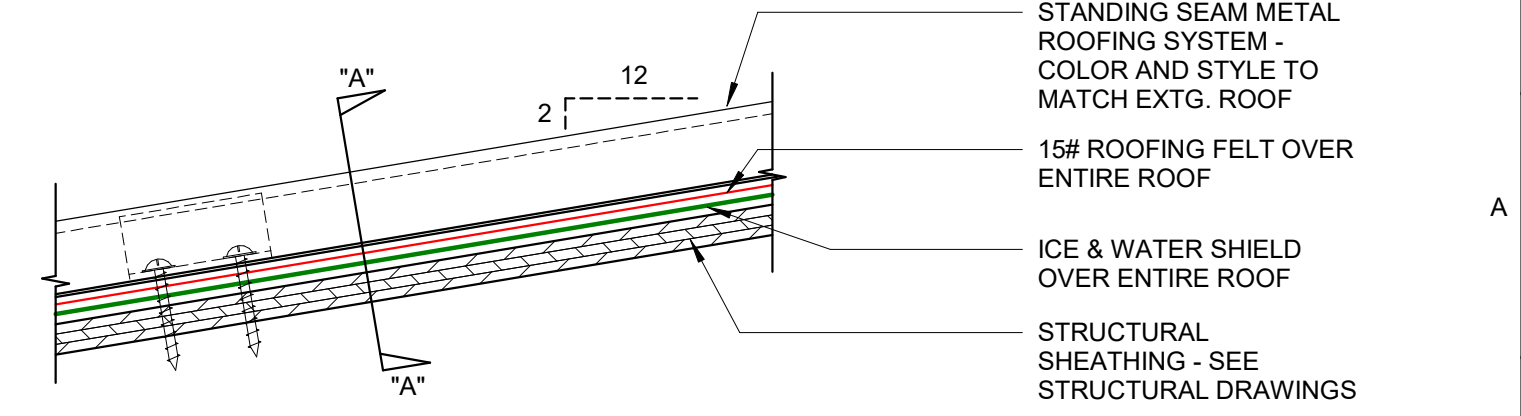
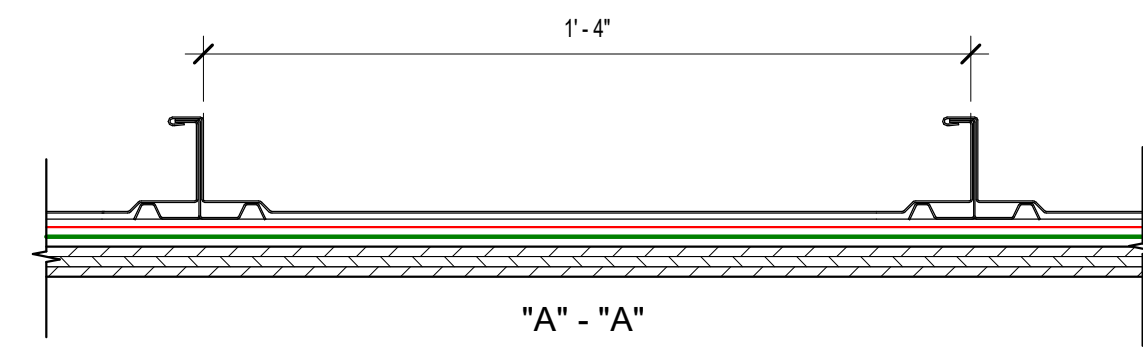
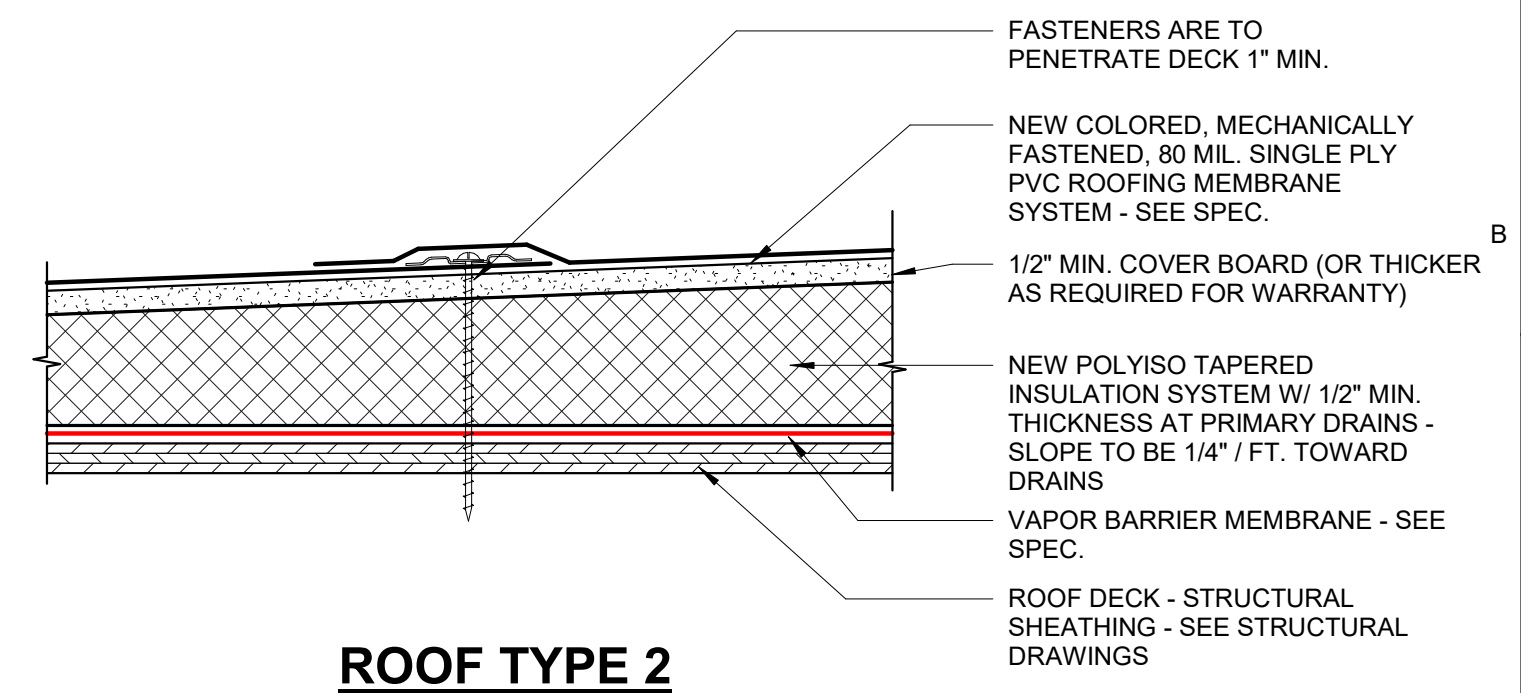
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AE-101

Last Plotted: 9/12/2020 9:41:55 AM



KEYED NOTES

1. PRIMARY AND SECONDARY ROOF DRAINAGE SYSTEM IN SUMP - SEE DETAIL C4/AE-501, PLUMBING DRAWINGS & SPECIFICATIONS.
2. NEW PREFINISHED METAL GUTTER AND DOWNSPOUT TO TIE INTO THE EXTG. GUTTER SYSTEM OVER THE ENTRY AREA ROOF. (MODIFY EXTG. AS REQ'D. - PROVIDE CONCRETE SPLASH-BLOCK AT DOWNSPOUT LOCATION - PROVIDE WALKPAD MATERIAL BENEATH THE SPLASH BLOCK.
3. EXTG. STANDING SEAM METAL ROOF.
4. NEW STANDING SEAM METAL ROOF - MATCH EXTG. ROOF COLOR, SEAM SPACING, STYLE ETC. - F.V. AND COORD. AS REQ'D.
5. NEW SINGLE PLY MEMBRANE ROOF SYSTEM W/ 1/4" TAPERED INSULATION SYSTEM TO DRAIN.
6. EAVE OF EXTG. ROOF SYSTEM TO BE CUT OFF IN THIS AREA - REMOVE / MODIFY EXTG. RAIN GUTTER / DOWNSPOUT SYSTEM INCLUDING HEAT TRACE SYSTEM - PATCH / REPAIR / REFINISH ANY EXISTING BUILDING COMPONENTS THAT ARE AFFECTED BY THIS WORK - CUTTING OF EXTG. STANDING SEAM METAL ROOFING SYSTEM IS TO BE DONE CAREFULLY AND NEATLY AS PROVIDED A CLEAN CUT EDGE GIVING A FINISHED APPEARANCE ONCE COMPLETED - COORD. WITH SECTIONS, ELECTRICAL AND STRUCTURAL DRAWINGS.
7. NEW "CLAMP ON TYPE" / SNOW GUARD SYSTEM - SEE SPEC.
8. EXTG. SNOW GUARD SYSTEM TO REMAIN.
9. DUE TO ROOF EAVE / EDGE BEING REMOVED, CAREFULLY REMOVE EXTG. (CLAMPED ON TYPE) SNOW GUARD SYSTEM AND REINSTALL IN NEW LOCATION AS SHOWN
10. EXTG. RAIN GUTTER AND DOWNSPOUT SYSTEM - MODIFY OR REPLACE WHERE AFFECTED BY NEW CONSTRUCTION.
11. AT THE INSET EAVE OF THE ENTRY AREA (EXTG. ROOF) PROVIDE NEW SNOW STOPS AT EACH ROOF PANEL - NOTE THAT THIS IS IN ADDITION TO THE EXTG. SNOW GUARD / FENCE SYSTEM THAT IS ALREADY IN PLACE. - FIELD VERIFY ACTUAL NUMBER / STANDING SEAM SPACING.
12. NEW PARAPET WALL - SEE SECTION AND RELATED DETAILS - CONTRACTOR IS TO TIE INTO EXTG. ROOF SYSTEM / AS REQ'D FOR A CLEAN, FINISHED APPEARANCE WITH WATER TIGHT CONSTRUCTION - COORDINATE WITH EXTG. CONDITIONS AS REQ'D.
13. FRAME IN AND ENCLOSE WEST EDGE OF EXISTING ROOF OVERHANG.
14. HVAC EXHAUST VENT - SEE MECHANICAL DRAWINGS - FLASH PER METAL ROOFING MANUFACTURERS STANDARD DETAIL AS REQ'D FOR SPECIFIED WARRANTY.
15. VENT PIPE THROUGH ROOF - FLASH PER METAL ROOFING MANUFACTURERS STANDARD DETAIL AS REQ'D SPECIFIED WARRANTY.



A1 ROOF PLAN
1/4" = 1'-0"

A4 ROOF TYPES
3" = 1'-0"

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WMA OFFICE BUILDING**

4786 S 7500 W, HOOPER, UT 84315

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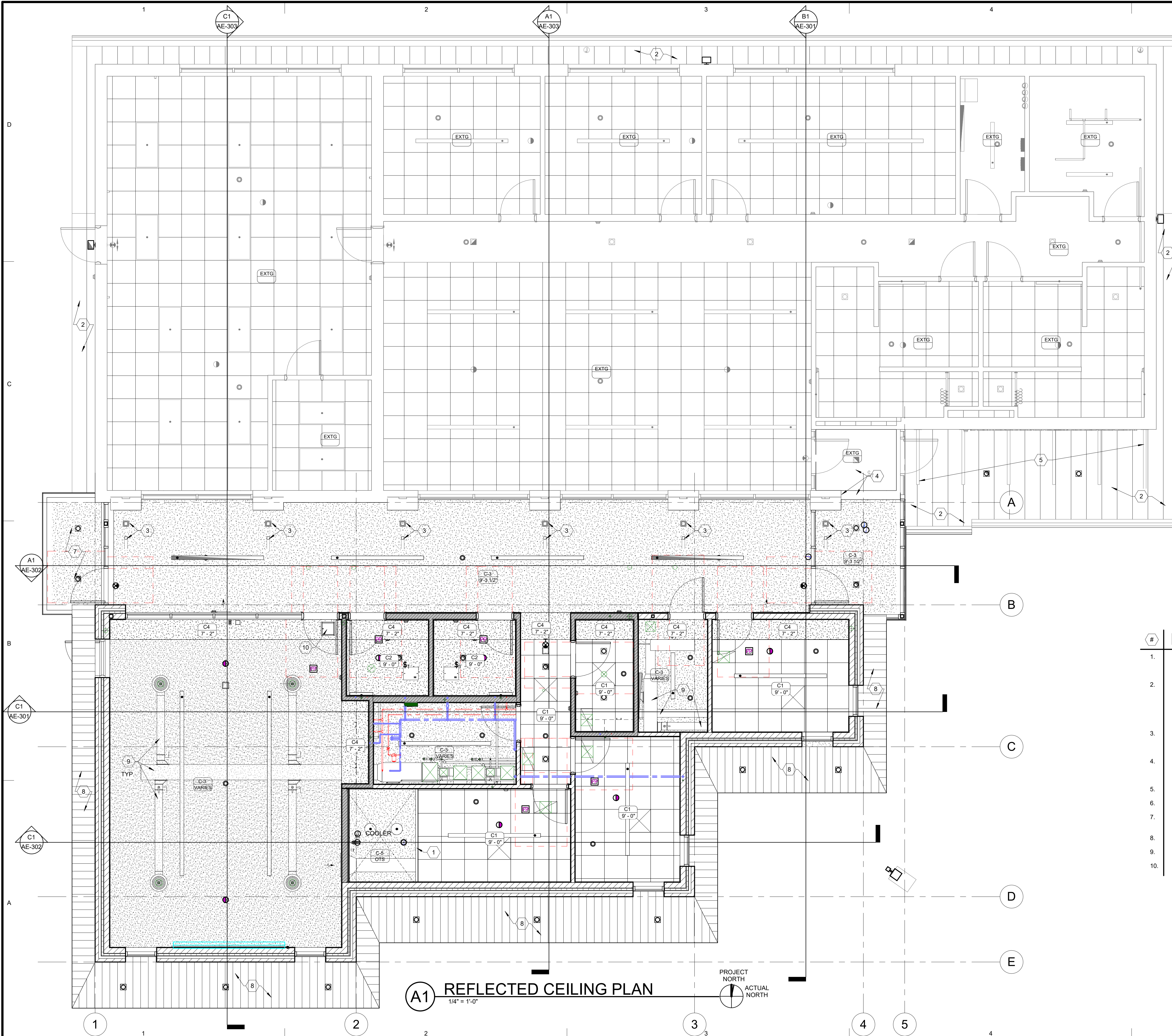
SHEET TITLE

ROOF PLAN

SHEET NUMBER

AE-102

Last Plotted: 9/12/2020 9:41:57 AM



CEILING TYPES

TYPE C-1 HEIGHT SEE PLAN		2x4' SUSPENDED ACOUSTICAL LAY-IN PANEL CEILING SYSTEM (REGULAR EDGE WITH MID PANEL REVEAL - 2x2' LOOK) - SEE SPEC.
TYPE C-2 HEIGHT SEE PLAN		5/8" TYPE "X" GYP. ON SUSPENSION SYSTEM - SEE SPEC. - PAINT
TYPE C-3 HEIGHT SEE PLAN		5/8" TYPE "X" GYP. BD. FASTENED TO UNDERSIDE OF STRUCTURAL ROOF FRAMING SYSTEM - SEE SPEC. - PAINT
TYPE C-4 HEIGHT SEE PLAN		5/8" TYPE "X" GYP. BD. ON WOOD STUD FRAMING - SEE SPEC. - PAINT
TYPE C-5 HEIGHT VARIES		OPEN TO STRUCTURE ABOVE - PAINT ALL EXPOSED COMPONENTS (STRUCTURE, DECK, CONDUIT, HVAC ETC.) - COORDINATE HEIGHT WITH BUILDING / WALL SECTIONS

TYPICAL CEILING SYMBOLS

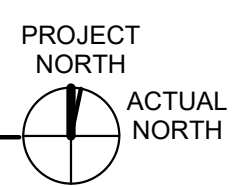
	#-#	HEIGHT OF CEILING OR OTHER SURFACE OFF OF FINISHED FLOOR ELEVATION
	OTS	OPEN TO STRUCTURE (NO CEILING) - COORDINATE WITH FINISH SCHEDULE
	VARIES	HEIGHT OF CEILING OR STRUCTURE VARIES ABOVE FINISHED FLOOR ELEVATION
		RECESSED CAN LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
		SUSPENDED INDIRECT LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
		2x2 OR 2x4 TROFFER LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
		1x4 TROFFER LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
		WALL MOUNTED INDIRECT LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
		SUPPLY AIR DIFFUSER - SEE MECHANICAL DRAWINGS
		RETURN AIR DIFFUSER - SEE MECHANICAL DRAWINGS
		EXHAUST LOUVER - SEE MECHANICAL DRAWINGS
		CEILING SPEAKER - SEE AV DRAWINGS

KEYED NOTES

- ENCLOSURE ABOVE WALK IN COOLER TO BE PROVIDED BY COOLER SUPPLIER. - COORDINATE CEILING IN THIS SPACE AS REQUIRED TO WORK WITH ENCLOSURE.
- EXTG. SOFFIT AND RAIN GUTTER / DOWNSPOUT SYSTEM TO BE PROTECTED FROM DAMAGE - NOTE THAT WHERE THE NEW ADDITION ADJOINS THE EXTG. BUILDING, AND WHERE OTHER UPGRADES OCCUR, THE EXISTING ROOF EDGE / SOFFIT / FASCIA / GUTTER IS TO BE MODIFIED AS REQ'D. - COORD. WITH SECTIONS AND RELATED DETAILS
- EXTG. STEEL COLUMNS / STEEL TUBE SUPPORTS TO REMAIN - PAINT - PROVIDE METAL "J" TRIM AT GYP. BD. WHERE COLUMNS PENETRATE CEILING (TYPICAL) - SEAL GAP.
- PATCH / REPAIR / REFINISH EXTG. CEILING / WALLS AND OTHER EXTG. BUILDING ELEMENTS WHERE AFFECTED BY THIS PROJECT. (TYPICAL)
- EXTG. STEEL TUBE SUPPORTS TO REMAIN - PAINT
- EXPOSED DUCTWORK - PAINT (TYPICAL)
- EXTERIOR GRADE GYPSUM SHEATHING @ CANOPY SOFFIT - PAINT.
- VENTED, PRE-FINISHED METAL SOFFIT - SEE SPEC.
- PAINT EXPOSED DUCTWORK, HANGERS ETC.
- 12"x12" ACCESS DOOR - PAINT

COORDINATE LAY-IN CEILINGS WITH THE TYPICAL CEILING REQUIREMENT DETAILS FOUND ON AE-506

A1 REFLECTED CEILING PLAN
1/4" = 1'-0"



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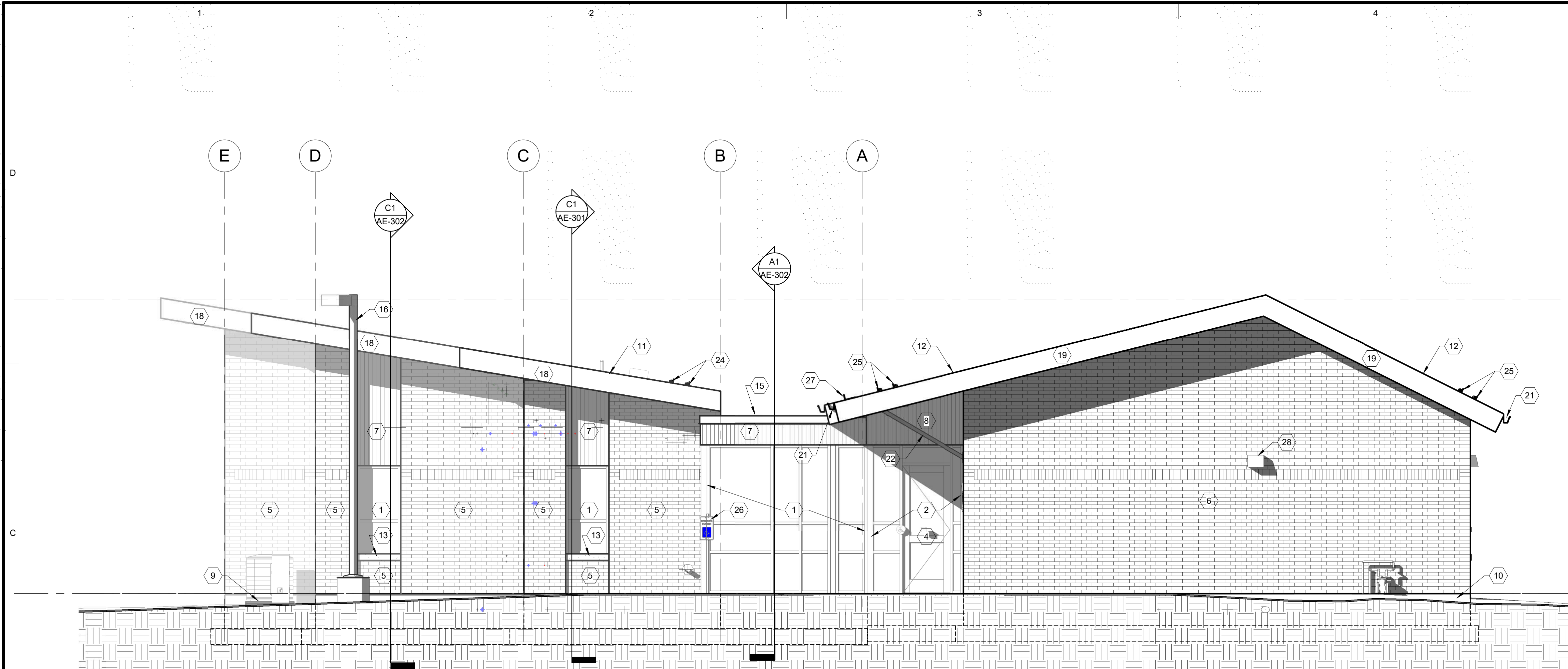
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REFLECTED CEILING PLAN

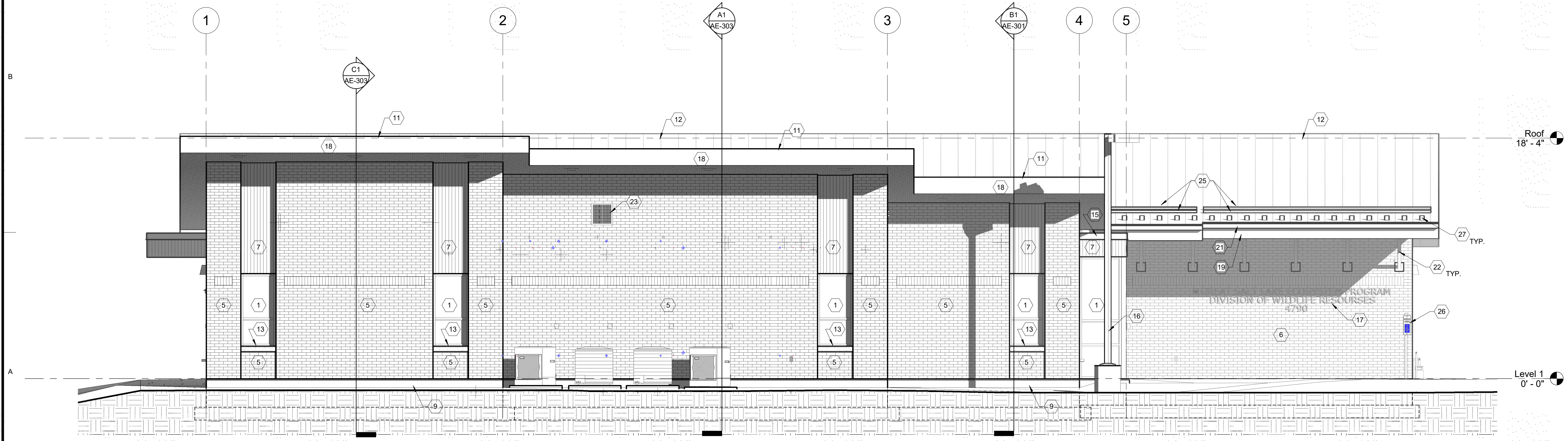
SHEET NUMBER:

AE-103

Last Plotted: 9/12/2020 9:42:01 AM



C1 EAST ELEVATION
1/4" = 1'-0"



A1 SOUTH ELEVATION
1/4" = 1'-0"

KEYED NOTES (REF. SHEETS 201 & 202)

1. NEW ALUMINUM FRAMED STOREFRONT / WINDOW SYSTEM - MATCH EXTG. COLORS / STYLES.
2. EXTG. ALUMINUM FRAMED STOREFRONT / WINDOW SYSTEM.
3. NEW DOOR - SEE DOOR SCHEDULE.
4. EXISTING DOOR.
5. NEW BRICK VENEER WITH SOLDIER COURSE WHERE INDICATED - MATCH EXISTING BRICK COLOR / STYLE / JOINTS / SOLDIER COURSE DESIGN ETC.
6. EXTG. BRICK VENEER.
7. NEW METAL WALL PANEL SYSTEM - MATCH COLOR / STYLE ETC. OF EXTG. METAL WALL PANELS.
8. EXTG. METAL WALL PANEL SYSTEM.
9. NEW CONCRETE FOUNDATION WALL - SEE STRUCTURAL.
10. EXTG. CONCRETE FOUNDATION WALL.
11. NEW STANDING SEAM METAL ROOF SYSTEM - SEE ROOF PLAN.
12. EXTG. STANDING SEAM METAL ROOF SYSTEM.
13. NEW PRECAST CONCRETE SILL.
14. EXTG. PRECAST CONCRETE SILL.
15. NEW PREFINISHED METAL PARAPET CAP / COPING.
16. EXTG. POLE MOUNTED PARKING LOT LIGHT FIXTURE TO BE MODIFIED - SEE ELECTRICAL DRAWINGS.
17. EXTG. ALUMINUM LETTERS TO REMAIN.
18. NEW PREFINISHED METAL FASCIA - SEE SECTIONS AND RELATED DETAILING.
19. EXTG. PREFINISHED METAL FASCIA - PROTECT FROM DAMAGE - MODIFY AS REQ'D. WHERE AFFECTED BY NEW CONSTRUCTION.
20. NEW RAIN GUTTER SYSTEM - MATCH COLOR / STYLE OF EXTG. RAIN GUTTERS.
21. EXTG. RAIN GUTTER SYSTEM - MODIFY AS REQ'D WHERE AFFECTED BY NEW CONSTRUCTION.
22. EXTG. STEEL, ROOF SUPPORT SYSTEM TO REMAIN.
23. NEW HVAC LOUVER - PAINT
24. NEW SNOW GUARD FENCE SYSTEM - SEE ROOF PLAN AND SPEC.
25. EXTG. SNOW GUARD FENCE SYSTEM - MODIFY AS REQUIRED WHERE AFFECTED BY NEW CONSTRUCTION.
26. EXTG. ADA PARKING SIGNAGE TO REMAIN - PROTECT FROM DAMAGE.
27. AT THE INSET EAVE OF THE ENTRY AREA (EXTG. ROOF) PROVIDE NEW SNOW STOPS AT EACH ROOF PANEL - NOTE THAT THIS IS IN ADDITION TO THE EXTG. SNOW GUARD / FENCE SYSTEM THAT IS ALREADY IN PLACE. - FIELD VERIFY ACTUAL NUMBER / STANDING SEAM SPACING.
28. NEW WALL PACK LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

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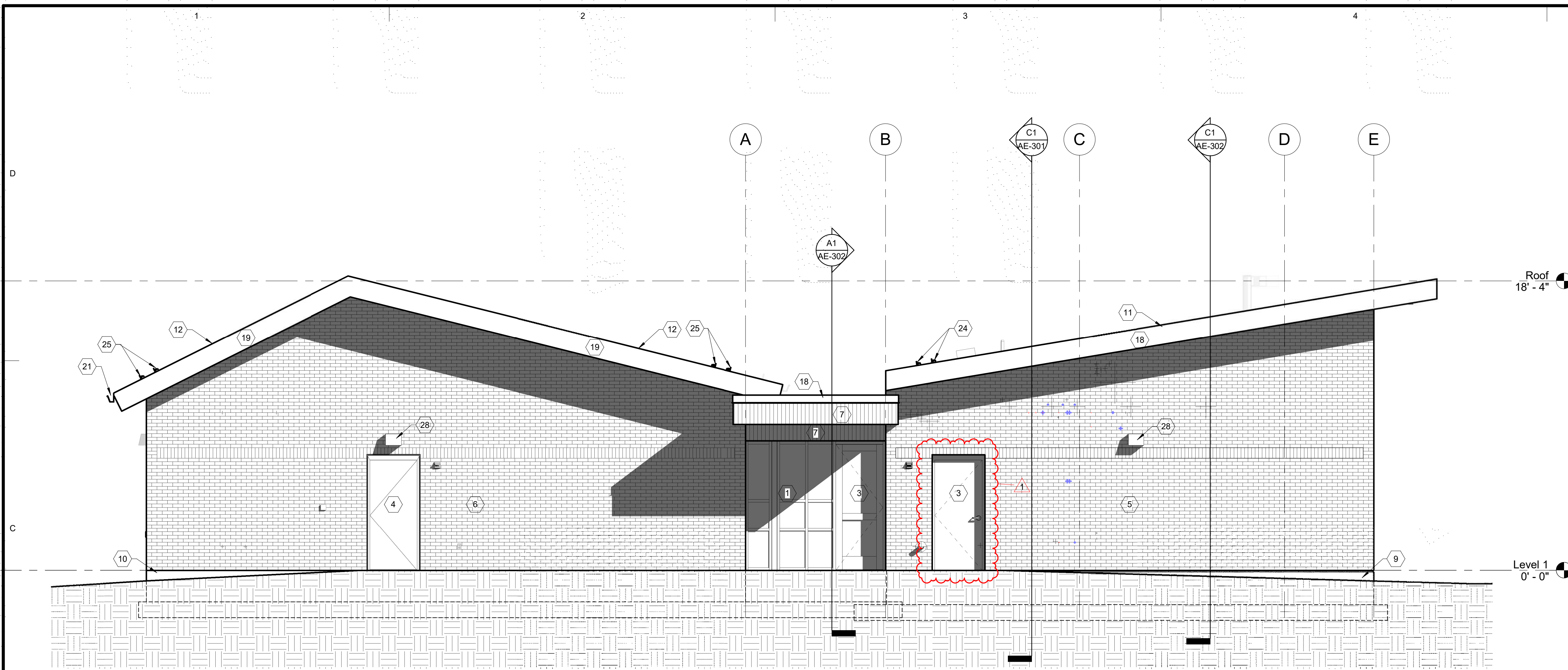
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**EXTERIOR
ELEVATIONS**

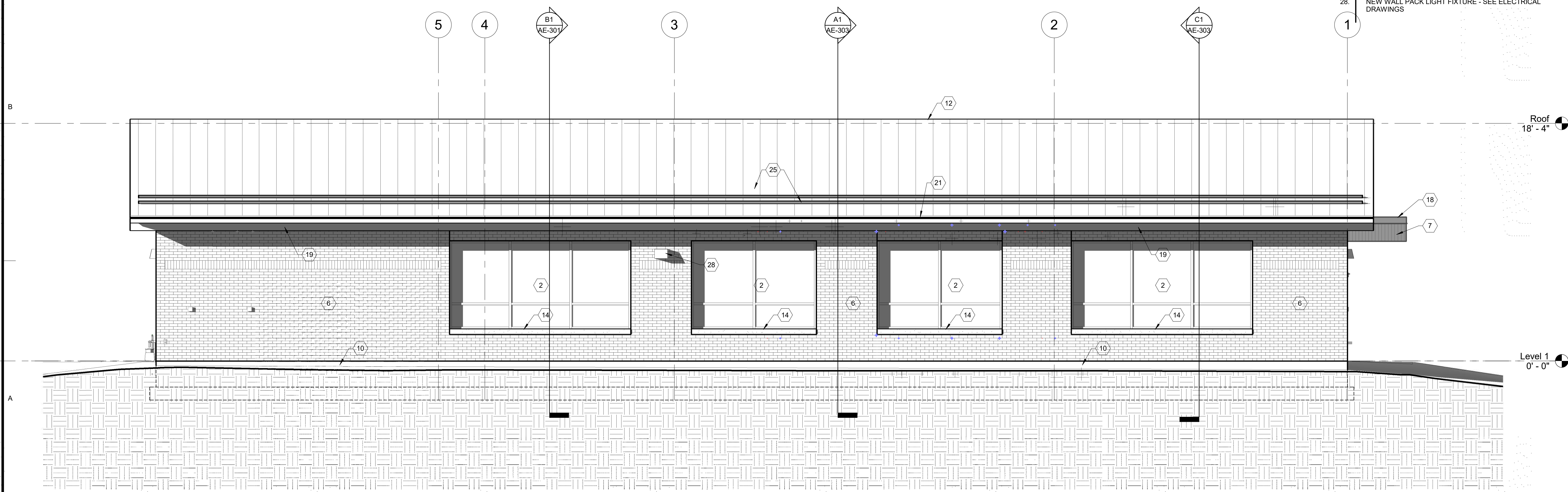
SHEET NUMBER:

AE-201

Last Plotted: 9/12/2020 9:42:14 AM



C1 WEST ELEVATION
1/4" = 1'-0"



A1 NORTH ELEVATION
1/4" = 1'-0"

- KEYED NOTES** (REF. SHEETS 201 & 202)
- NEW ALUMINUM FRAMED STOREFRONT / WINDOW SYSTEM - MATCH EXTG. COLORS / STYLES.
 - EXTG. ALUMINUM FRAMED STOREFRONT / WINDOW SYSTEM.
 - NEW DOOR - SEE DOOR SCHEDULE.
 - EXISTING DOOR.
 - NEW BRICK VENEER WITH SOLDIER COURSE WHERE INDICATED - MATCH EXISTING BRICK COLOR / STYLE / JOINTS / SOLDIER COURSE DESIGN ETC.
 - EXTG. BRICK VENEER.
 - NEW METAL WALL PANEL SYSTEM - MATCH COLOR / STYLE ETC. OF EXTG. METAL WALL PANELS.
 - EXTG. METAL WALL PANEL SYSTEM.
 - NEW CONCRETE FOUNDATION WALL - SEE STRUCTURAL.
 - EXTG. CONCRETE FOUNDATION WALL.
 - NEW STANDING SEAM METAL ROOF SYSTEM - SEE ROOF PLAN.
 - EXTG. STANDING SEAM METAL ROOF SYSTEM.
 - NEW PRECAST CONCRETE SILL.
 - EXTG. PRECAST CONCRETE SILL.
 - NEW PREFINISHED METAL PARAPET CAP / COPING.
 - EXTG. POLE MOUNTED PARKING LOT LIGHT FIXTURE TO BE MODIFIED - SEE ELECTRICAL DRAWINGS.
 - EXTG. ALUMINUM LETTERS TO REMAIN.
 - NEW PRE-FINISHED METAL FASCIA - SEE SECTIONS AND RELATED DETAILING.
 - EXTG. PRE-FINISHED METAL FASCIA - PROTECT FROM DAMAGE - MODIFY AS REQ'D. WHERE AFFECTED BY NEW CONSTRUCTION.
 - NEW RAIN GUTTER SYSTEM - MATCH COLOR / STYLE OF EXTG. RAIN GUTTERS.
 - EXTG. RAIN GUTTER SYSTEM - MODIFY AS REQ'D WHERE AFFECTED BY NEW CONSTRUCTION.
 - EXTG. STEEL, ROOF SUPPORT SYSTEM TO REMAIN.
 - NEW HVAC LOUVER - PAINT
 - NEW SNOW GUARD FENCE SYSTEM - SEE ROOF PLAN AND SPEC.
 - EXTG. SNOW GUARD FENCE SYSTEM - MODIFY AS REQUIRED WHERE AFFECTED BY NEW CONSTRUCTION.
 - EXTG. ADA PARKING SIGNAGE TO REMAIN - PROTECT FROM DAMAGE.
 - AT THE INSET EAVE OF THE ENTRY AREA (EXTG. ROOF) PROVIDE NEW SNOW STOPS AT EACH ROOF PANEL - NOTE THAT THIS IS IN ADDITION TO THE EXTG. SNOW GUARD / FENCE SYSTEM THAT IS ALREADY IN PLACE - FIELD VERIFY ACTUAL NUMBER / STANDING SEAM SPACING.
 - NEW WALL PACK LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

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PROFESSIONAL STAMP

CODE OFFICIAL STAMP

PROJECT NAME

**OGDEN BAY
WMA OFFICE BUILDING**

4786 S 7500 W, HOOPER, UT 84315

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/29/2020	CODE REVIEW REVISION

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #: 20419520
SPE PROJECT #: 19-55
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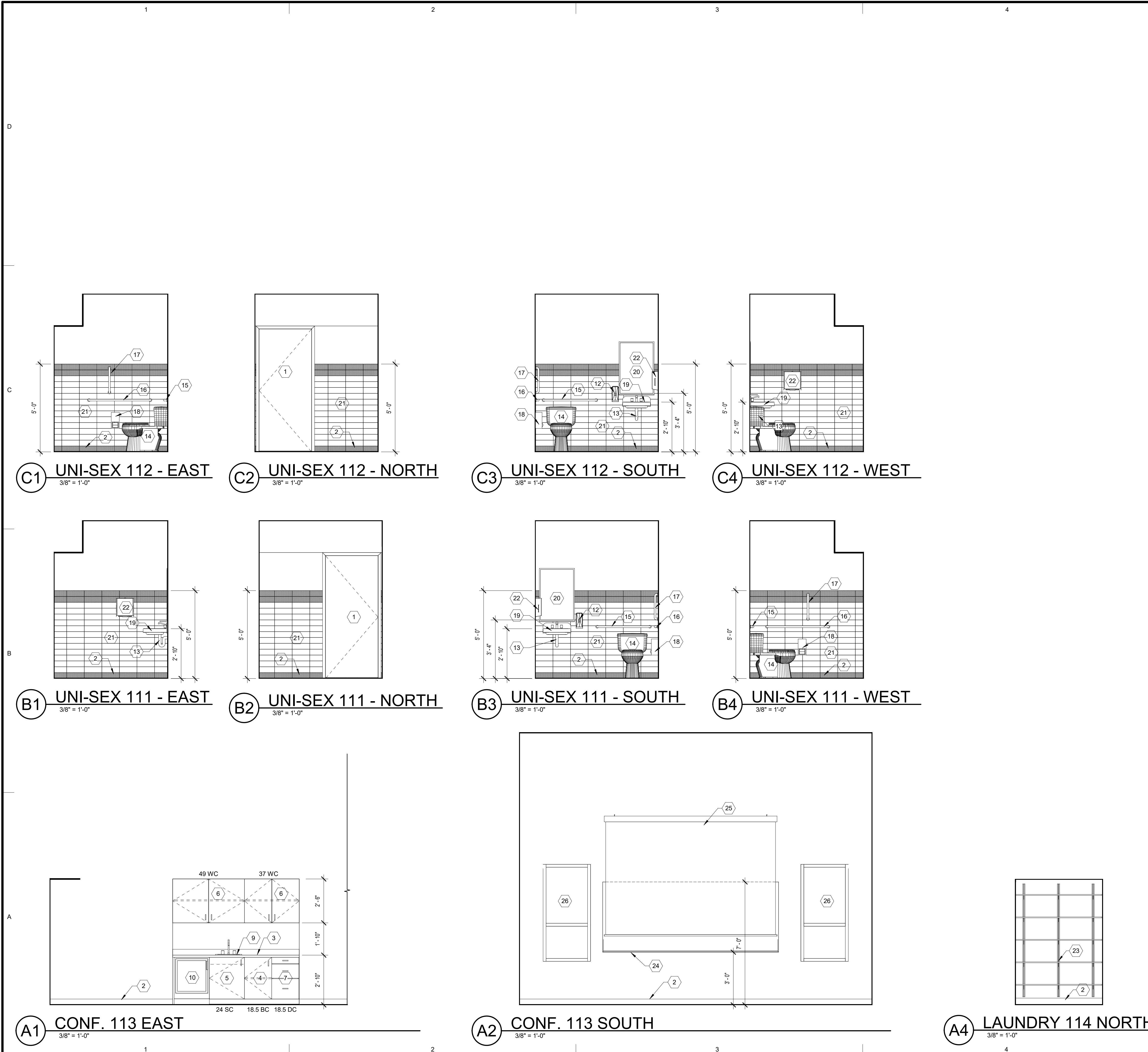
SHEET TITLE

**EXTERIOR
ELEVATIONS**

SHEET NUMBER

AE-202

Last Plotted: 9/12/2020 9:42:25 AM



KEYED NOTES

- DOOR / OPENING / ENTRY SYSTEM - SEE DOOR SCHEDULE.
- WALL BASE - SEE FINISH SCHEDULE.
- 24" DEEP PLASTIC LAMINATE COUNTERTOP WITH 4" BACK SPLASH - EDGES ARE TO BE 1-1/2" BULLNOSED (TYP.)
- 24" DEEP PLASTIC LAMINATE BASE CABINET WITH 1" THICK ADJUSTABLE MELAMINE SHELF AND DRAWER.
- 24" DEEP PLASTIC LAMINATE SINK CABINET
- 12" DEEP (CLEAR DIM.) PLASTIC LAMINATE WALL CABINET WITH 1" THICK ADJUSTABLE MELAMINE SHELF.
- 24" DEEP PLASTIC LAMINATE DRAWER CABINET (WITH FILE DRAWER WHERE SHOWN) - PROVIDE FULL EXTENSION HARDWARE.
- 12" DEEP (CLEAR DIM.) PLASTIC LAMINATE OPEN WALL CABINET.
- SINK AND FAUCET - SEE PLUMBING DRAWINGS.
- ADA HEIGHT, UNDER COUNTER REFRIGERATOR - SEE SPECS.
- SPACE FOR WASHER AND DRYER - WASHER AND DRYER TO BE PROVIDED AND INSTALLED BY THE OWNER - COORDINATE WITH PLUMBING AND ELECTRICAL DRAWINGS.
- WALL MOUNTED LIQUID SOAP DISPENSER TO BE PROVIDED AND INSTALLED BY THE OWNER - COORDINATE AS REQUIRED.
- UNDER LAVATORY GUARDS - SEE PLUMBING DRAWINGS AND SPECIFICATIONS.
- TOILET - (ADA COMPLIANT) - SEE PLUMBING DRAWINGS
- 36" GRAB BAR - INSTALL AT 36" FROM FINISHED FLOOR TO TOP OF THE BAR AND LOCATE OVER THE TOILET SO THAT THERE IS 24" OF BAR ON THE TRANSFER SIDE OF TOILET AND 12" ON THE NON TRANSFER SIDE. SEE SPEC. TBA. #01.
- 42" GRAB BAR - INSTALL AT 36" FROM FINISHED FLOOR TO TOP OF THE BAR AND A MAX. OF 12" OFF OF THE BACK WALL. SEE SPEC. TBA. #02.
- 18" VERTICALLY MOUNTED GRAB BAR - INSTALL VERTICALLY AT 40" FROM FINISHED FLOOR TO THE UNDERSIDE (HORIZONTAL) SURFACE OF THE BAR AND HORIZONTALLY 40" FROM THE BACK WALL TO THE CENTER OF THE BAR - SEE SPEC. TBA. #03.
- TOILET PAPER DISPENSER TO BE PROVIDED AND INSTALLED BY THE OWNER - COORDINATE AS REQUIRED
- ADA ACCESSIBLE LAVATORY - SEE PLUMBING DRAWINGS.
- 24" x 36" STAINLESS STEEL FRAMED MIRROR WITH STAINLESS STEEL SHELF - MOUNT AT 40" FROM FINISH FLOOR TO LOWEST EDGE OF THE REFLECTIVE SURFACE - SEE SPEC. TBA #04.
- WALL TILE WITH COLORED HORIZONTAL BAND AND BASE AS SHOWN - INSTALL TO HAVE EVEN SIZED TILES AT EDGES OF THE FIELD OF AT LEAST 1/2 SIZE TILES OR LARGER.
- PAPER TOWEL DISPENSER TO BE PROVIDED AND INSTALLED BY THE OWNER - COORDINATE AS REQUIRED.
- 18" DEEP x 1" THICK PLASTIC LAMINATE SHELVES ON HEAVY DUTY WALL STANDARDS AND BRACKETS - SEE SPEC.
- 4' HIGH x 10' WIDE GLASS MARKER BOARD W/ MARKER TRAY - SEE SPEC.
- 116" x 65", MOTORIZED PROJECTION SCREEN - SEE SPEC.
- WINDOW - SEE WINDOW SCHEDULE

NOTE: THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER BACKING IN WALLS FOR ALL WALL MOUNTED ITEMS, WHETHER THE ITEM IS TO BE PROVIDED AND INSTALLED UNDER CONTRACT OR IF PROVIDED AND INSTALLED BY THE OWNER - COORDINATE ALL SUCH BACKING REQUIREMENTS WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS AS WELL AS WITH THE OWNER / VENDOR.

OWNER PROVIDED / INSTALLED ITEMS THAT MUST BE COORDINATED INCLUDE THE FOLLOWING (BUT NOT LIMITED TO) TOILET PAPER DISPENSERS, HAND TOWEL DISPENSERS, FEMINE SANITARY DISPENSER / DISPOSERS, SEAT COVER DISPENSERS, TRASH RECEPTACLES SOAP DISPENSERS, ETC. COORD. AS REQUIRED.

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PROFESSIONAL STAMP

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WMA OFFICE BUILDING**

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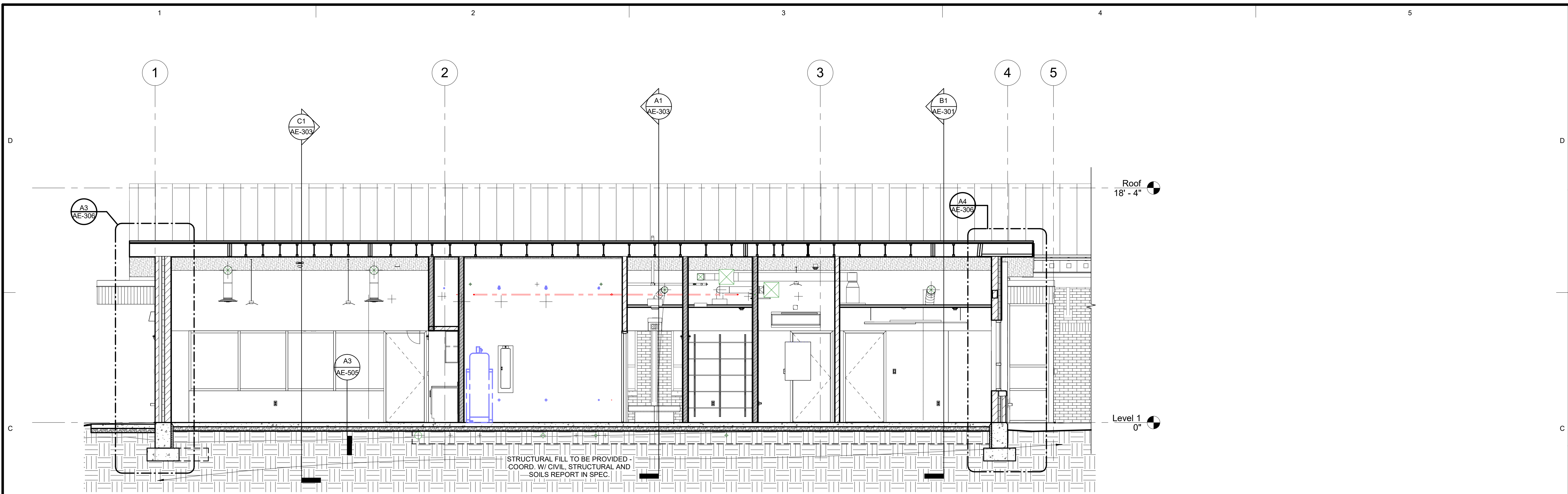
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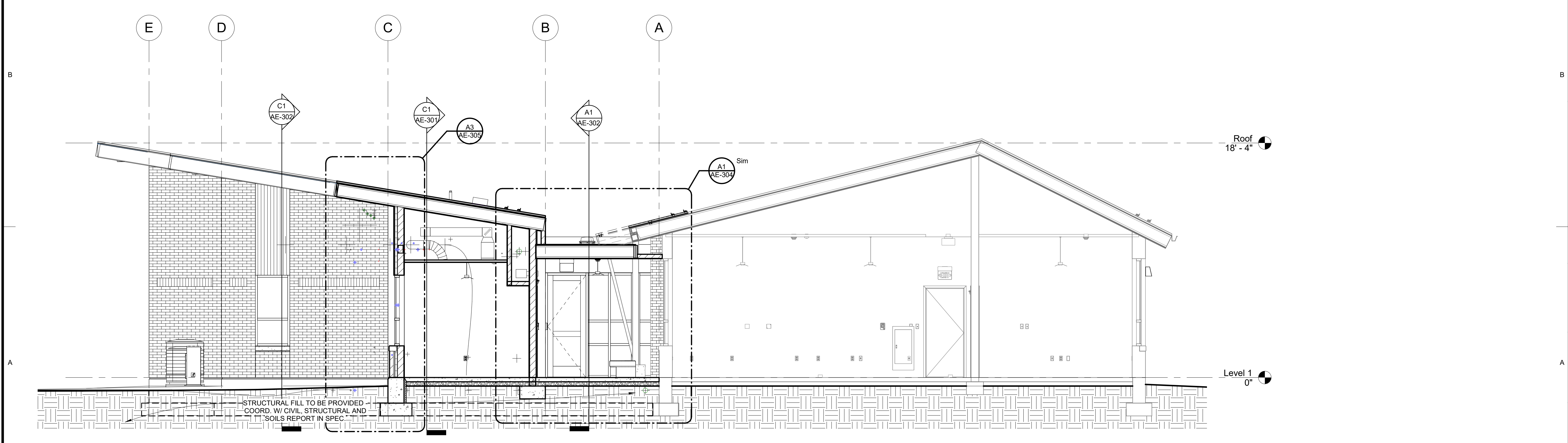
**INTERIOR
ELEVATIONS**

SHEET NUMBER:

AE-203



C1 Section 16
1/4" = 1'-0"



B1 Section 1
1/4" = 1'-0"

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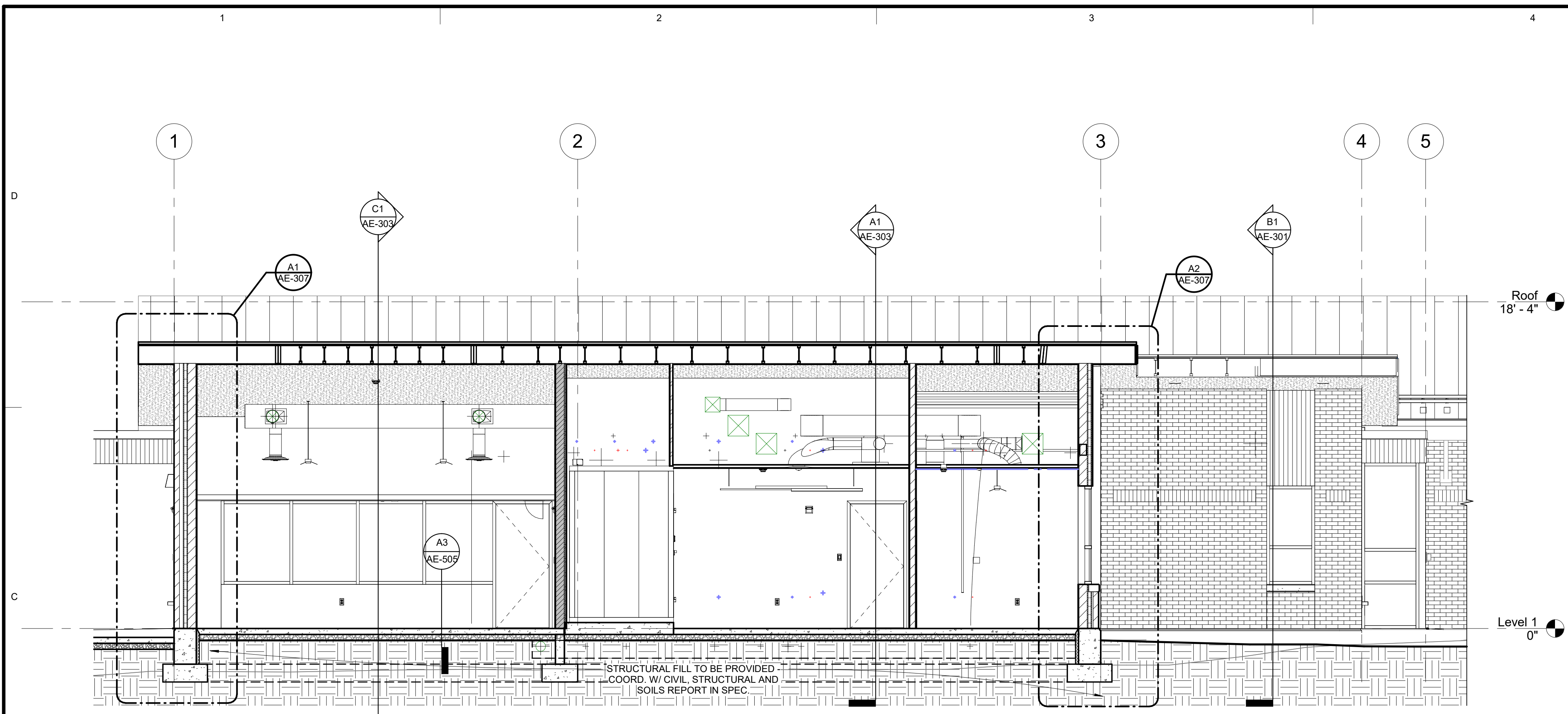
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**BUILDING
SECTIONS**

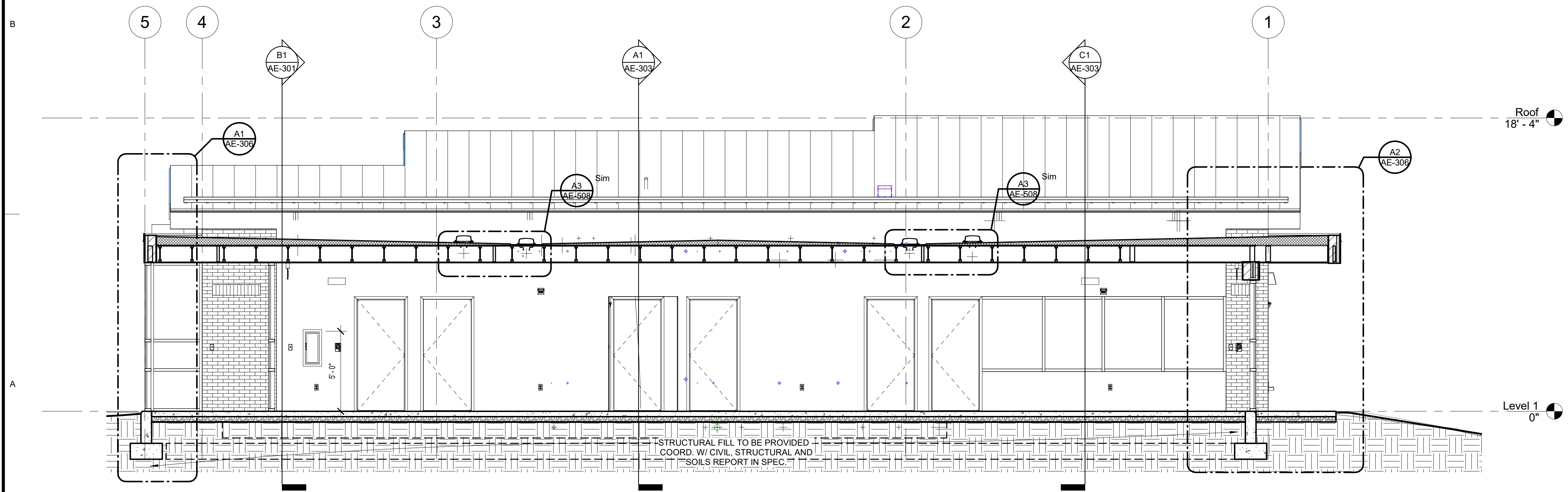
SHEET NUMBER:

AE-301

Last Plotted: 9/12/2020 9:42:35 AM



C1 Section 12
1/4" = 1'-0"



A1 Section 15
1/4" = 1'-0"

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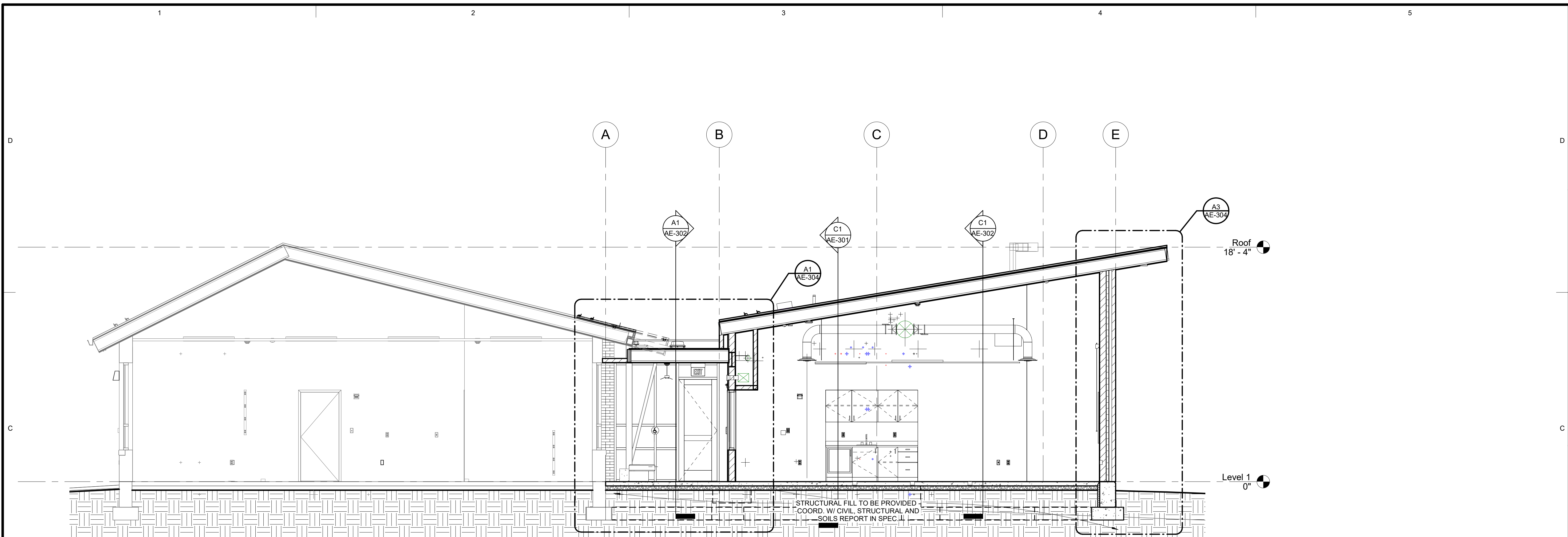
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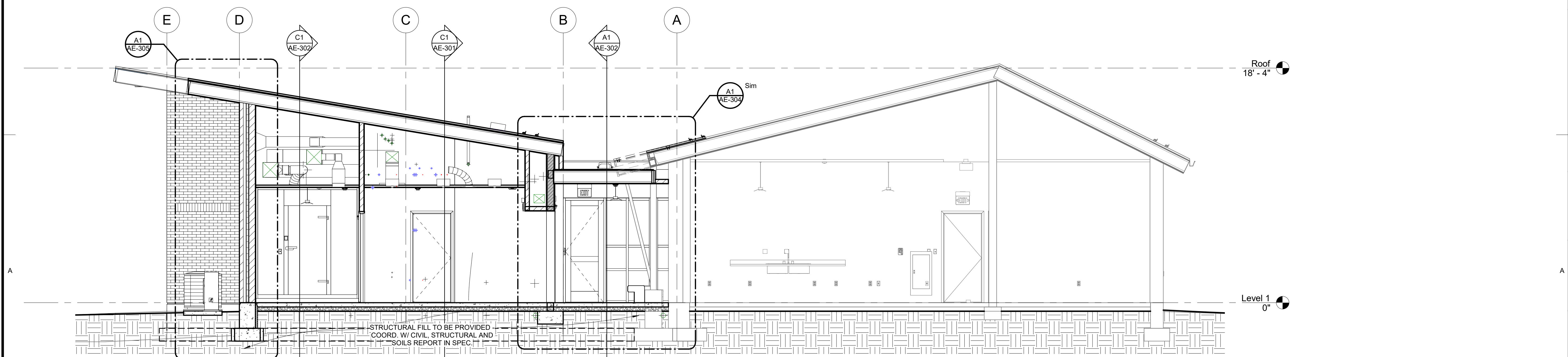
SHEET TITLE:
BUILDING SECTIONS

SHEET NUMBER:
AE-302

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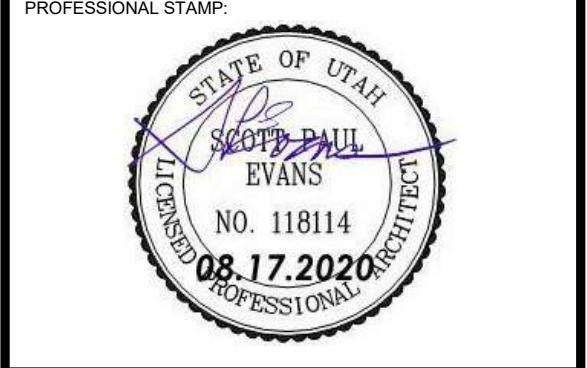
C1 Section 3
1/4" = 1'-0"



A1 Section 4
1/4" = 1'-0"

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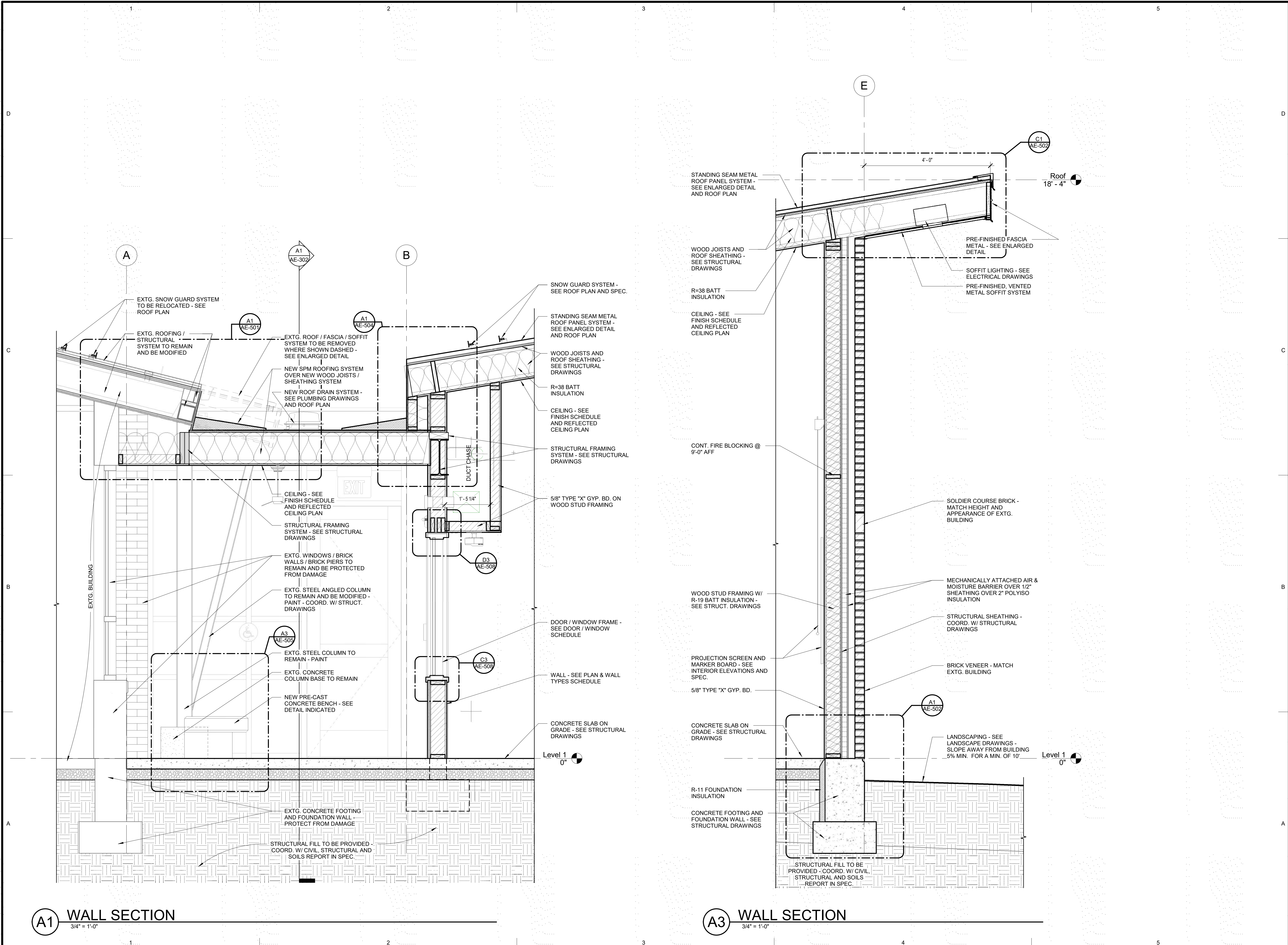
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SHEET TITLE:
BUILDING SECTIONS

SHEET NUMBER:
AE-303



A1 WALL SECTION
3/4" = 1'-0"

A3 WALL SECTION
3/4" = 1'-0"

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PROFESSIONAL STAMP

STATE OF UTAH
 SCOTT PAUL EVANS
 NO. 118114
 08.17.2020
 PROFESSIONAL ENGINEER

CODE OFFICIAL STAMP

REVIEWED FOR CODE COMPLIANCE
 DATE: 08.14.2020

PROJECT NAME:

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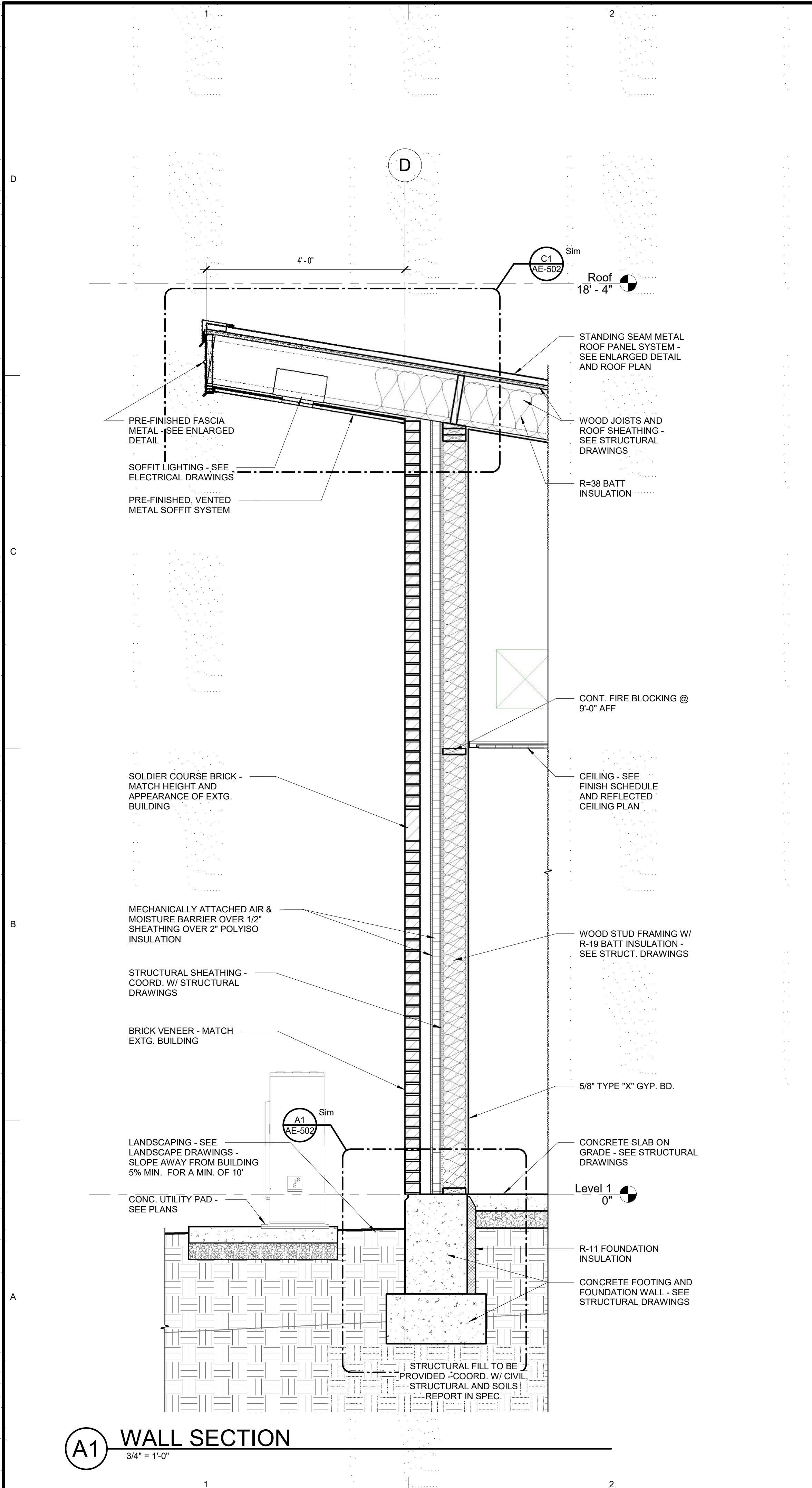
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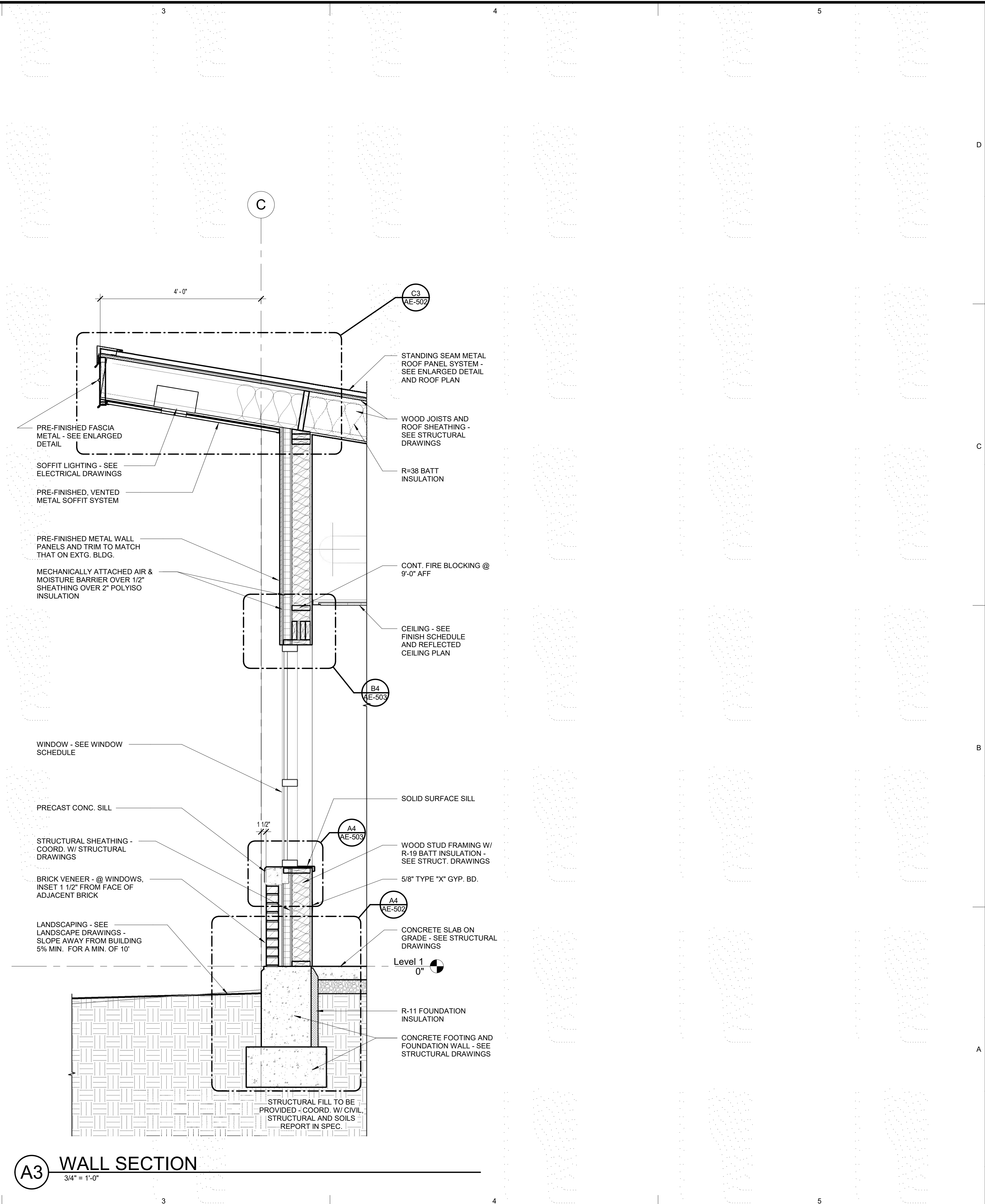
SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:
AE-304

Last Plotted: 9/12/2020 9:42:45 AM



A1 WALL SECTION
3/4" = 1'-0"



A3 WALL SECTION
3/4" = 1'-0"

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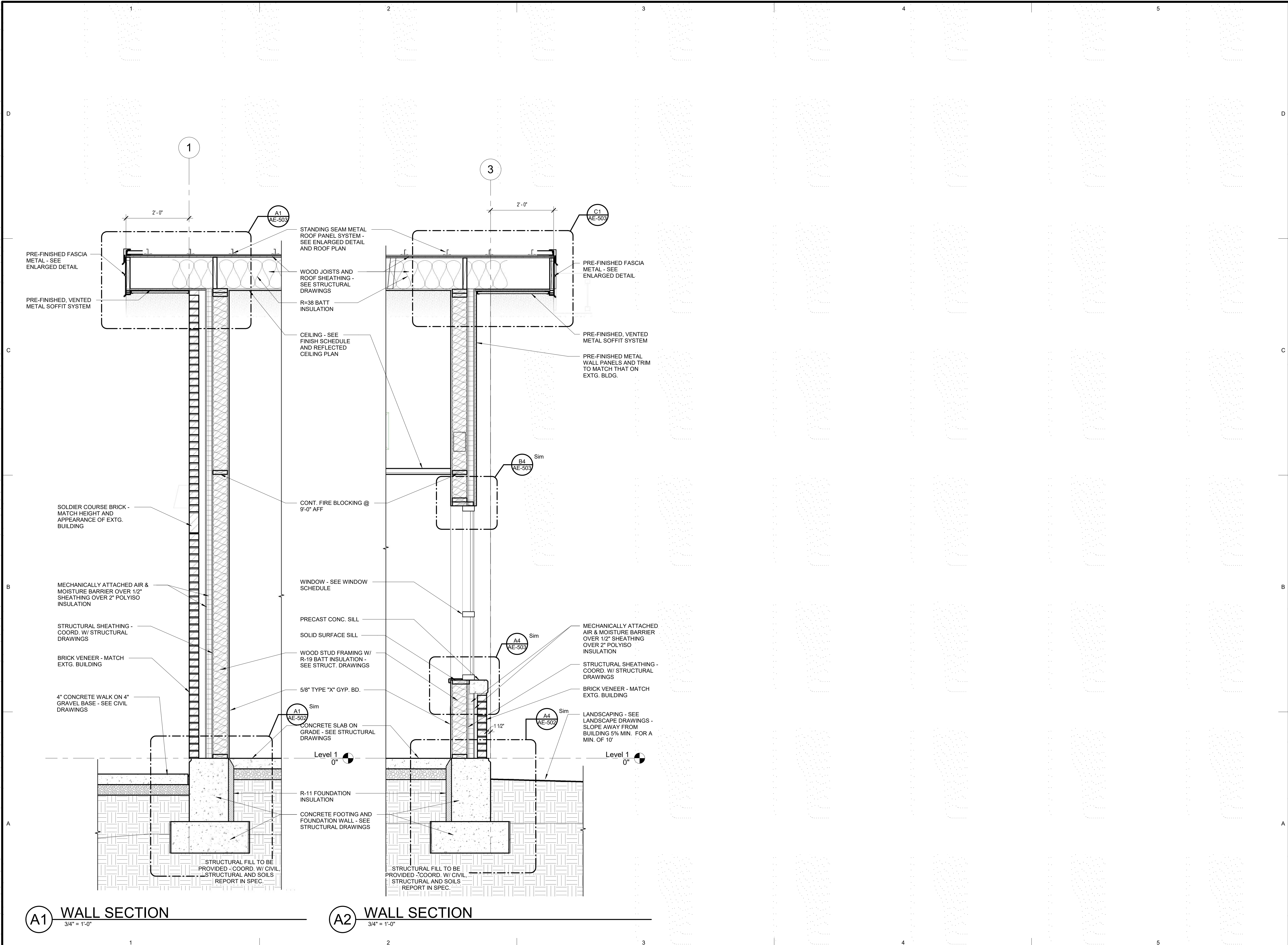
SHEET TITLE

WALL SECTIONS

SHEET NUMBER

AE-305

Last Plotted: 9/12/2020 9:42:47 AM



A1 WALL SECTION
3/4" = 1'-0"

A2 WALL SECTION
3/4" = 1'-0"

ARCHITECT'S INFORMATION:

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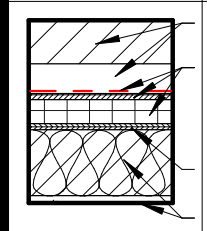
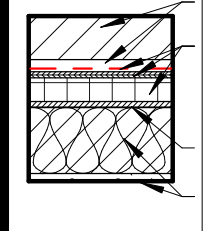
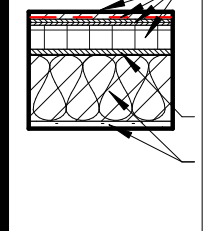
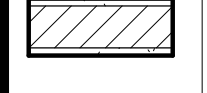
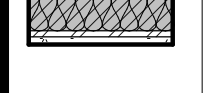
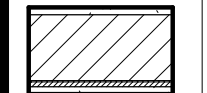
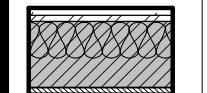
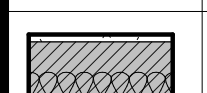

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SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:
AE-307

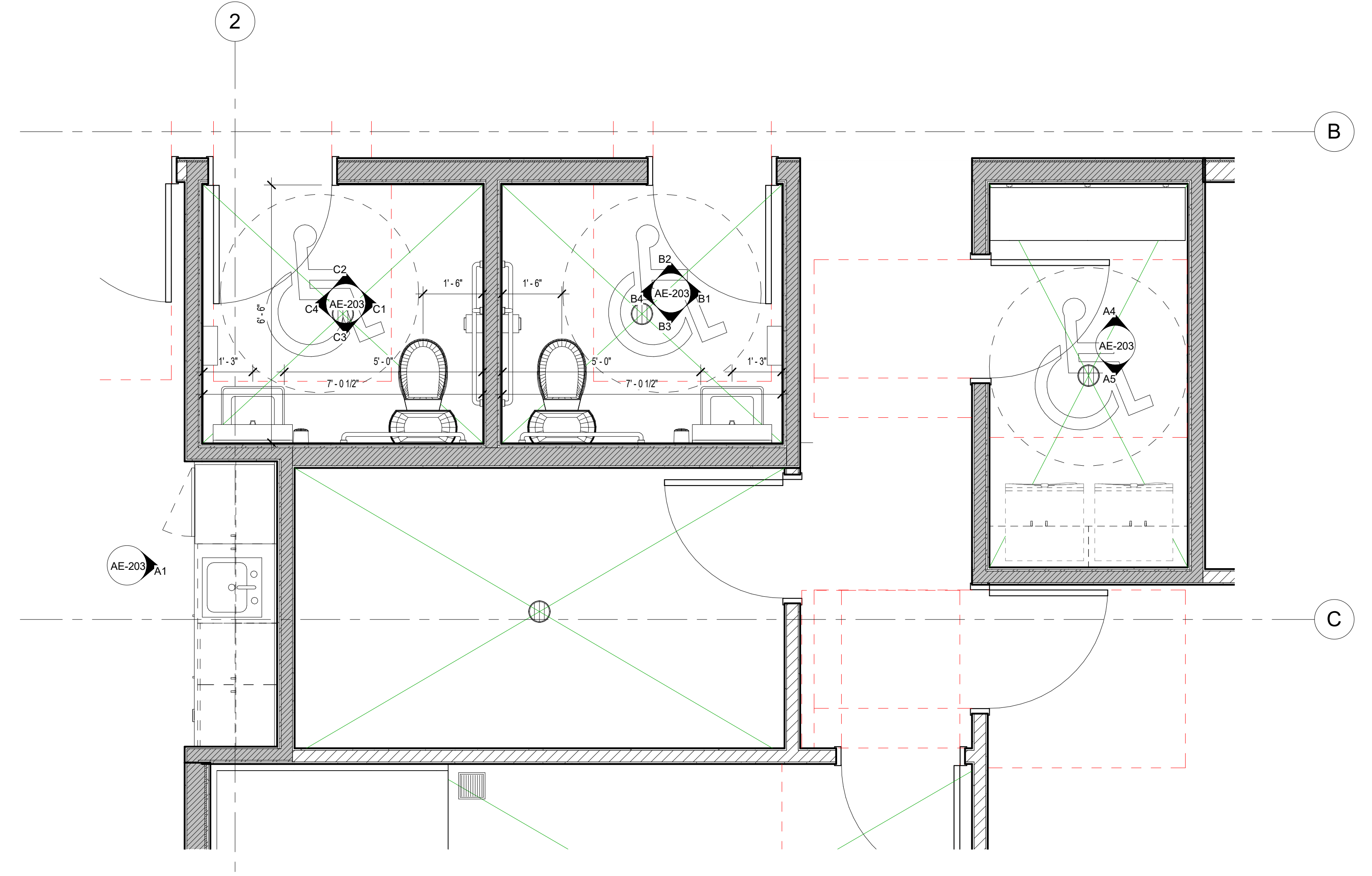
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WALL TYPES LEGEND

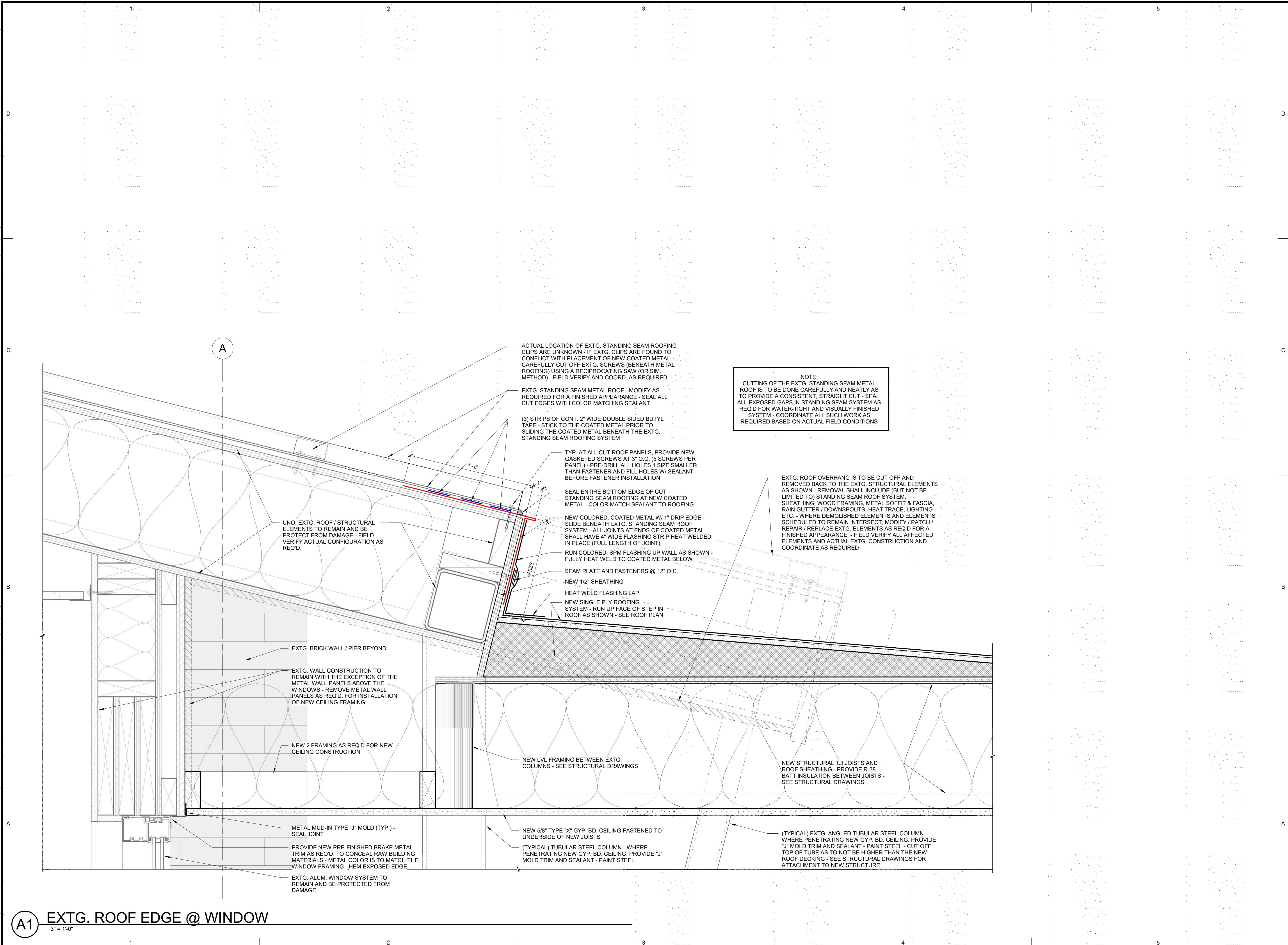
MARK	DESIGNATION	DESCRIPTION	SOUND RATING	FIRE RATING	WIDTH
01		Brick veneer w/ 2 1/2" air space Mechanically attached air & moisture barrier over 1/2" sheathing over 2" polyiso insulation Structural sheathing 5/8" type "X" gyp. bd. over vapor barrier over 2x6 stud framing @ 16" o.c. - provide r-19 batt insulation between studs	None	None	15 1/4"
02		Brick veneer w/ 1" air space Mechanically attached air & moisture barrier over 1/2" sheathing over 2" polyiso insulation Structural sheathing 5/8" type "X" gyp. bd. over vapor barrier over 2x6 stud framing @ 16" o.c. - provide r-19 batt insulation between studs	None	None	13 3/4"
03		Prefinished metal wall panel over mechanically attached air & moisture barrier over 1/2" sheathing over 2" polyiso insulation Structural sheathing 5/8" type "X" gyp. bd. over vapor barrier over 2x6 stud framing @ 16" o.c. - provide r-19 batt insulation between studs	None	None	9 3/4"
04		2x4 stud framing at 16" o.c. with 5/8" type "X" gyp. bd. each side	None	None	4 3/4"
05		2x4 stud framing at 16" o.c. with 1/2" resilient clip one side and 5/8" gyp. bd. both sides. Provide 3" sound attenuation blankets between studs	Yes	None	5 1/4"
06		2x6 stud framing at 16" o.c. with structural sheathing on side and 5/8" type "X" gyp. bd. both sides	None	None	7 1/4"
07		2x6 stud framing at 16" o.c. with structural sheathing one side and 1/2" resilient clip on other side and 5/8" gyp. bd. both sides. Provide 3" sound attenuation blankets between studs	Yes	None	7 3/4"
08		2x6 stud framing at 16" o.c. with structural sheathing and 1/2" resilient clip on one side and 5/8" gyp. bd. both sides. Provide 3" sound attenuation blankets between studs	Yes	None	7 3/4"
09		2x6 stud framing at 16" o.c. with 1/2" resilient clip one side and 5/8" gyp. bd. both sides. Provide 3" sound attenuation blankets between studs	Yes	None	7 1/4"

IMPORTANT WALL TYPE NOTES
(COORDINATE AS REQUIRED)

- THE WALL TYPES LEGEND DESCRIBES THE "CORE" WALL TYPE / MATERIALS/ WIDTHS ONLY - UNLESS NOTED OTHERWISE, FINISHES SUCH AS PAINT, CERAMIC TILE (THICK & THIN SET), SEALERS ETC. ARE NOT INCLUDED IN THE WALL TYPE DESCRIPTION AND ARE INDICATED IN THE FINISH SCHEDULE - COORDINATE AS REQUIRED.
- ALL NON-STRUCTURAL AND NON-SOUND RATED INTERIOR PARTITIONS AND FURRED WALLS ARE TO (UNLESS NOTED OTHERWISE) RUN TO 6" MIN. ABOVE THE CEILING AND BE BRACED TO THE STRUCTURE AT 4'-0" O.C.
- ALL SOUND / FIRE RATED WALLS ARE TO BE RUN UP TO THE DECK / STRUCTURE ABOVE WITH A SLIP JOINT AT HEAD OF WALL AND HAVE ALL GAPS SEALED WITH AN ACOUSTICAL / FIRE RATED SEALANT.
- CAREFULLY COORDINATE ALL WALL TYPES WITH THE BUILDING / WALL SECTIONS AS WELL AS ALL REFERENCED ENLARGED DETAILS FOR FURTHER AND MORE DETAILED INFORMATION
- NOTE THAT ALL PARTITIONS / WALLS IN ROOMS WHERE NO CEILINGS OCCUR, ARE TO BE RUN UP TO THE DECK / STRUCTURE ABOVE AND BE FULLY FINISHED WHERE WALL SURFACES ARE VISIBLE - ALSO NOTE THAT WALL TYPE SYMBOLS (ON PLAN) THAT HAVE AN ASTERISK NEAR THEM ARE WALLS THAT ARE REQUIRED TO HAVE THE WALL CONSTRUCTION RUN FULL HEIGHT, TO THE DECK ABOVE - COORDINATE AS REQUIRED.
- NOTE: TYPICAL ON "WET WALLS", PROVIDE WATER RESISTANT "GREENBOARD" IN LIEU OF THE TYPE "X" GYP. BD. INDICATED ON THE WALL TYPES LEGEND - COORDINATE AS REQUIRED
- REFER TO A4, A5 & B4 ON AE-506 FOR TYPICAL WALL REQUIREMENTS - COORDINATE AS REQUIRED.



A4 Level 1 - Enlarged Plan
1/2" = 1'-0"



NOTE:
CUTTING OF THE EXTG. STANDING SEAM METAL ROOF IS TO BE DONE CAREFULLY AND NEATLY AS TO PROVIDE A CONSISTENT, STRAIGHT CUT - SEAL ALL EXPOSED GAPS IN STANDING SEAM SYSTEM AS REQ'D FOR WATER-TIGHT AND VISUALLY FINISHED SYSTEM - COORDINATE ALL SUCH WORK AS REQUIRED BASED ON ACTUAL FIELD CONDITIONS

A1 EXTG. ROOF EDGE @ WINDOW
3" = 1'-0"

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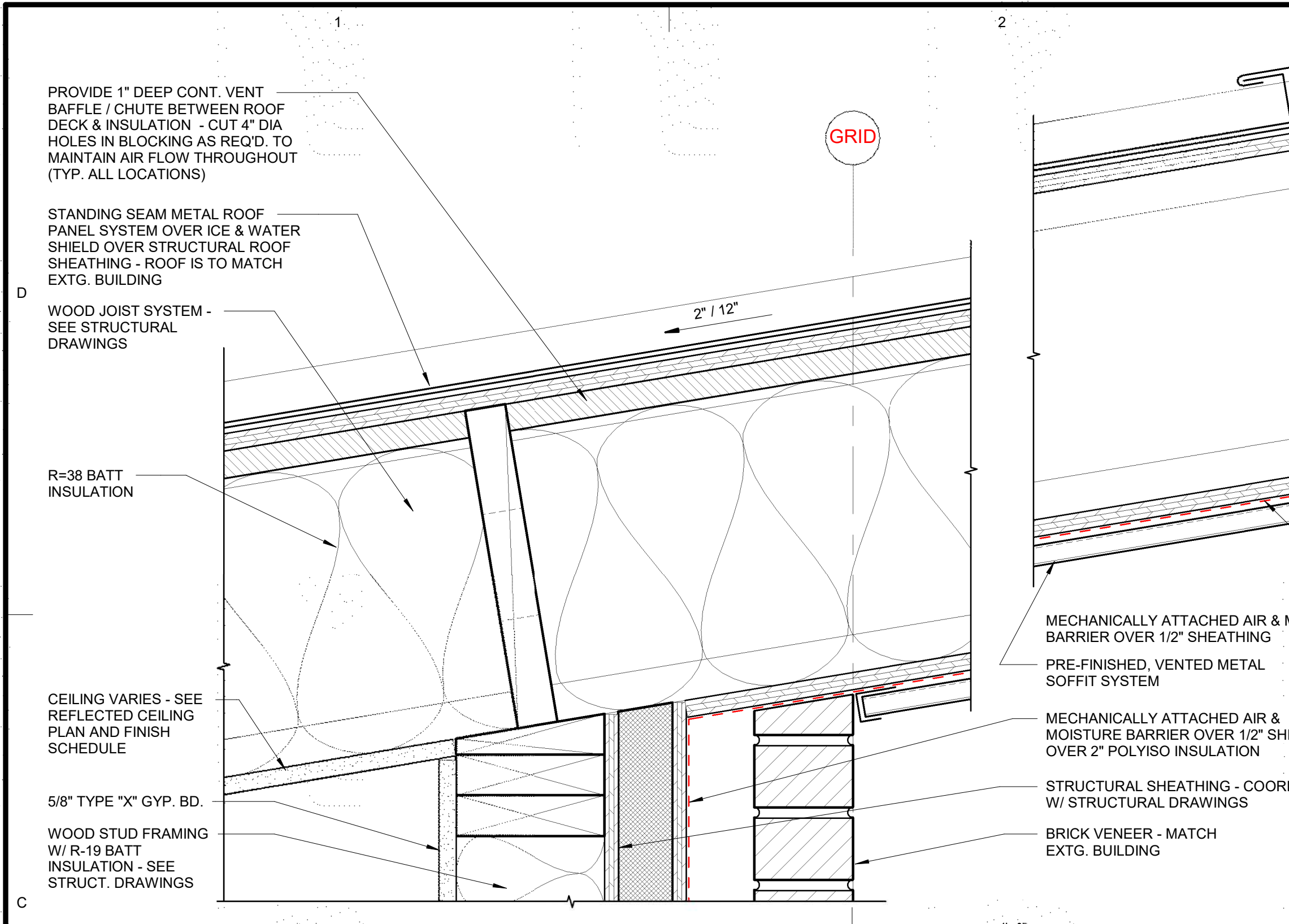
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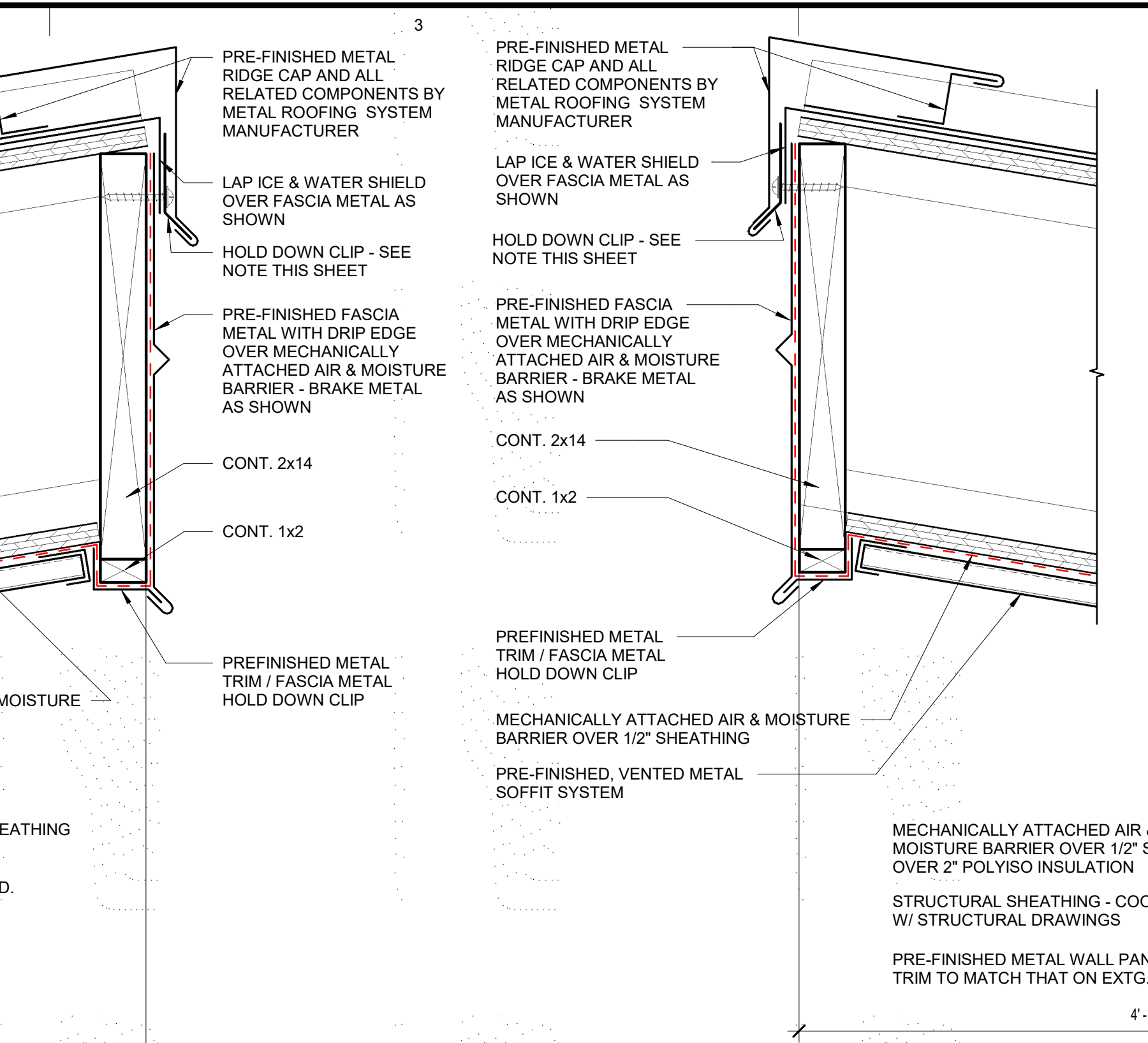
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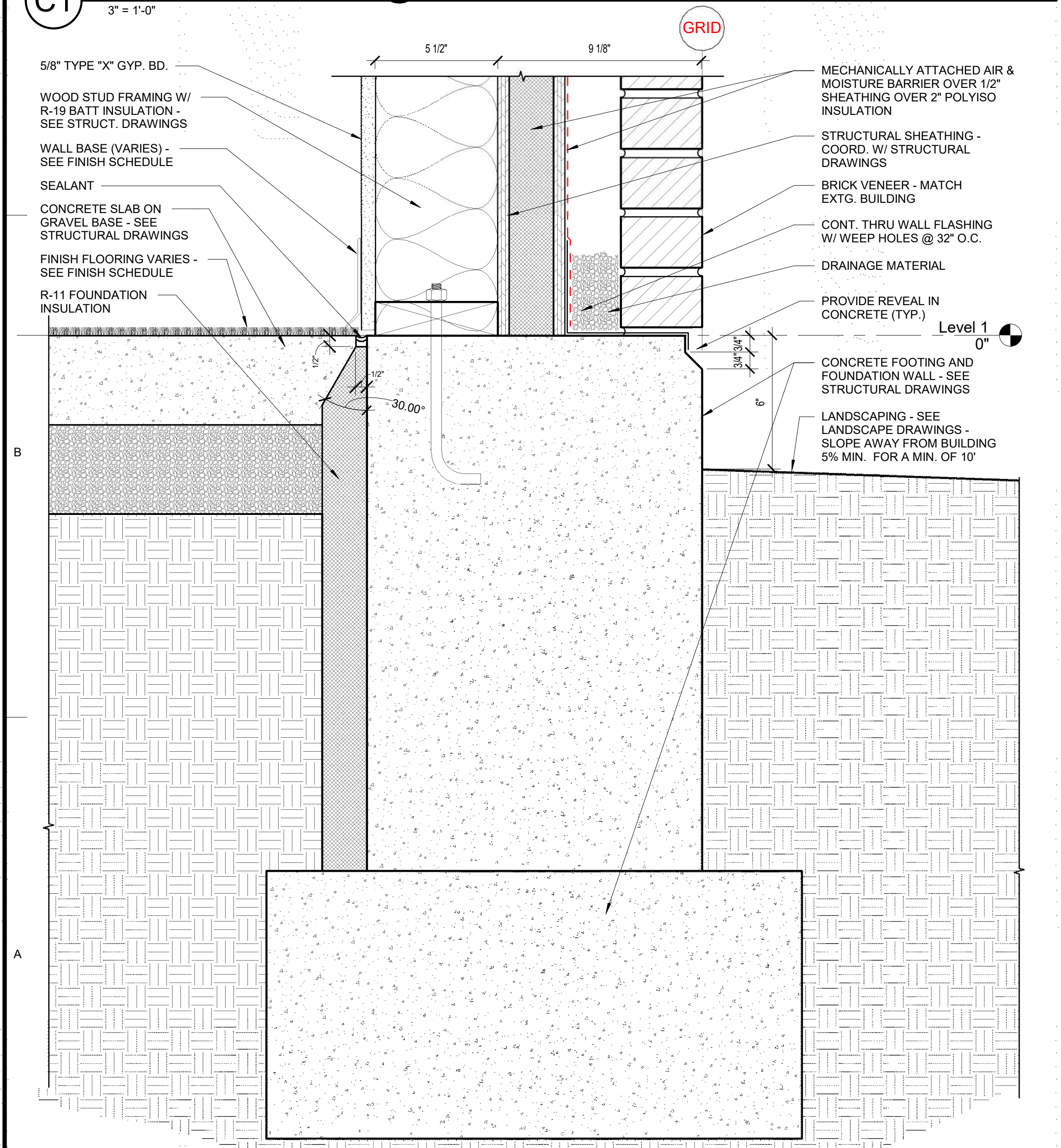
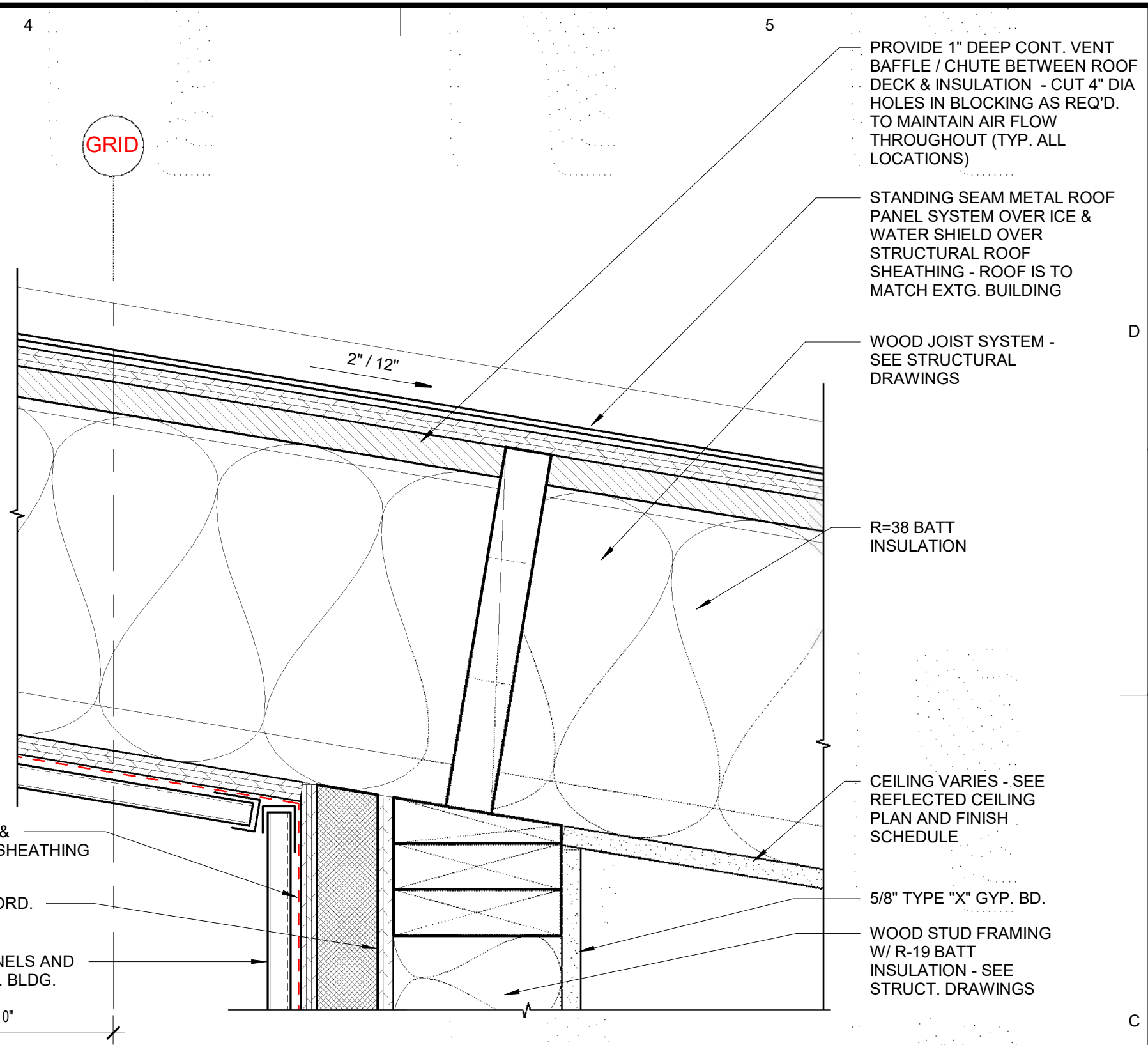
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C1 ROOF OVERHANG @ BRICK
3\"/>

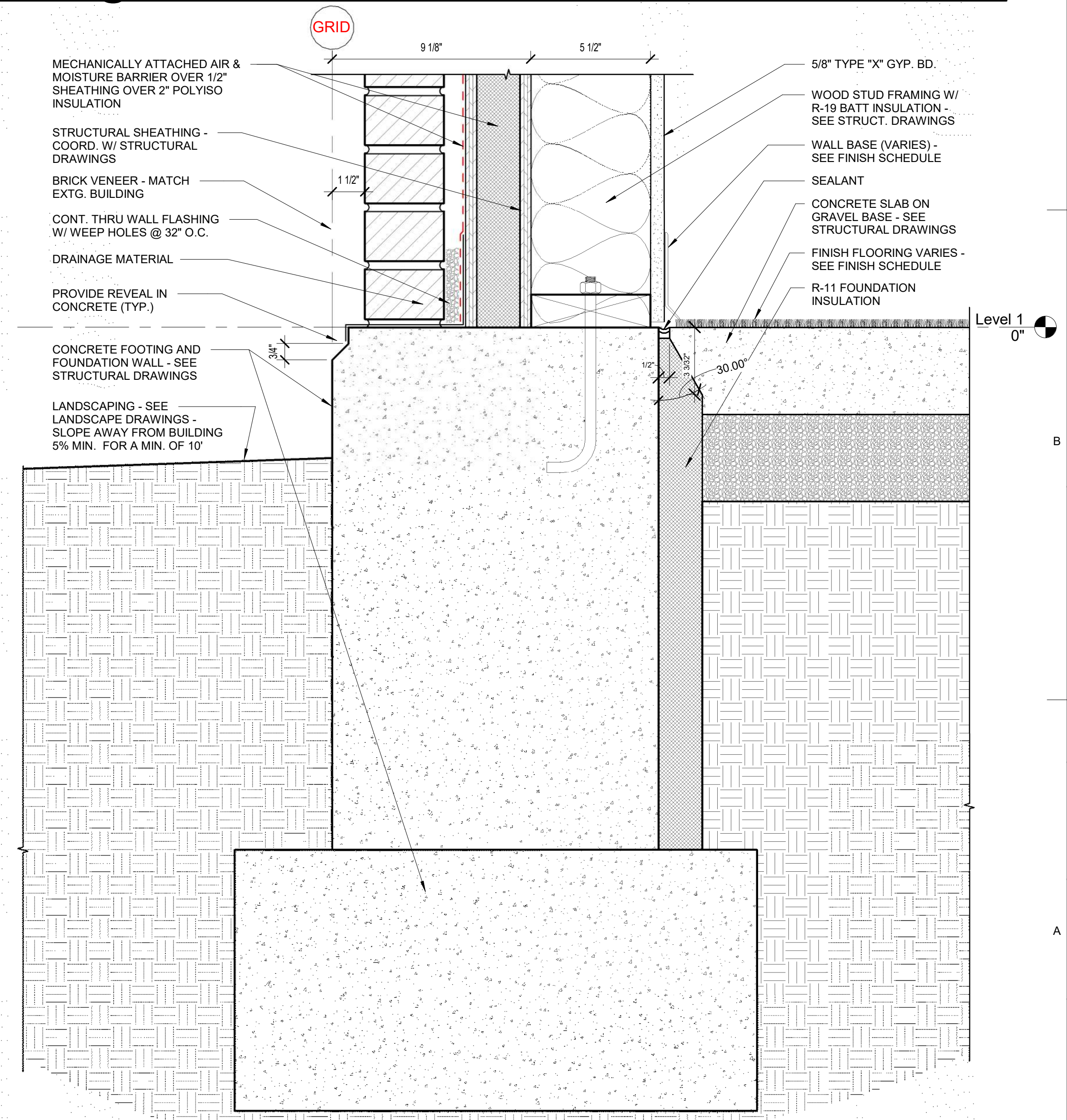


C3 ROOF OVERHANG @ WINDOWS
3\"/>



A1 WALL BASE @ BRICK
3\"/>

TYP. HOLD DOWN CLIP REQUIREMENTS
20 GA. HOLD DOWN CLEAT x CONT. - FASTEN @ 6\"/>



A4 WALL BASE @ WINDOWS
3\"/>

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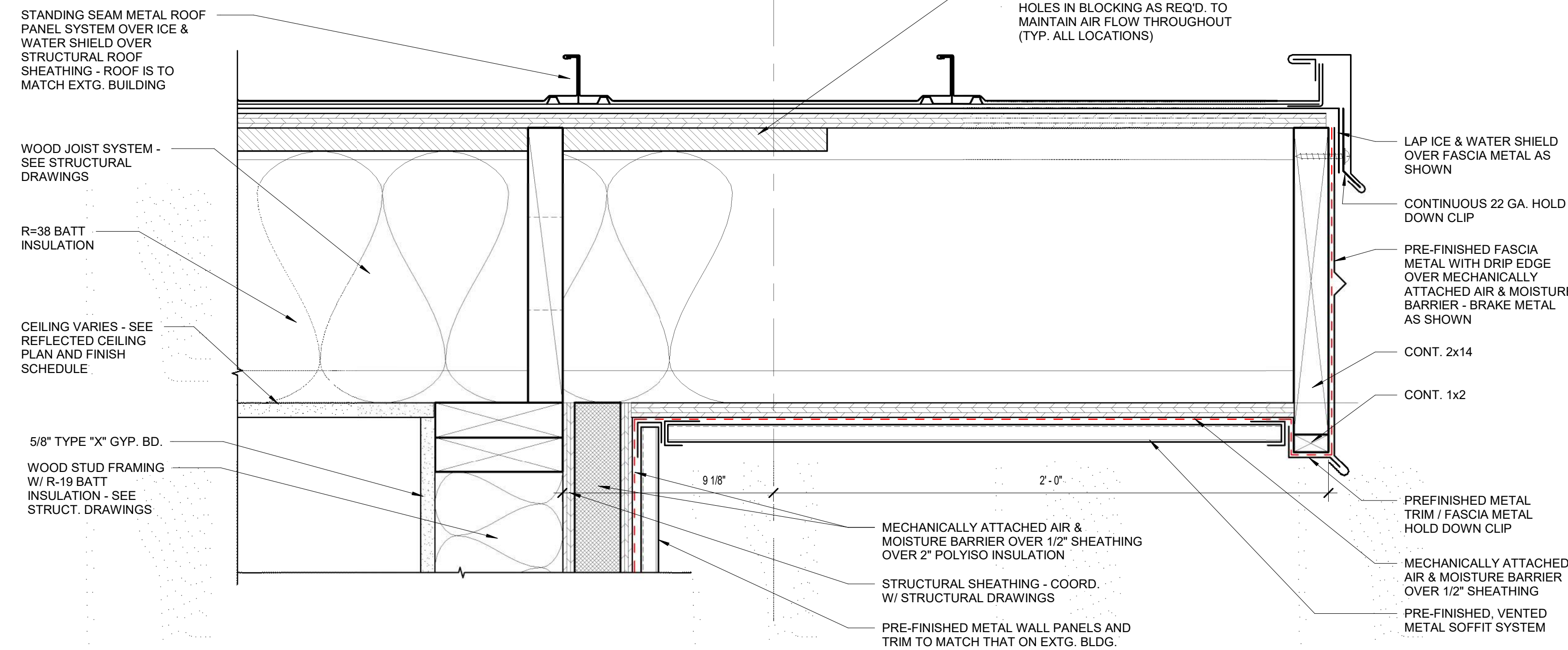
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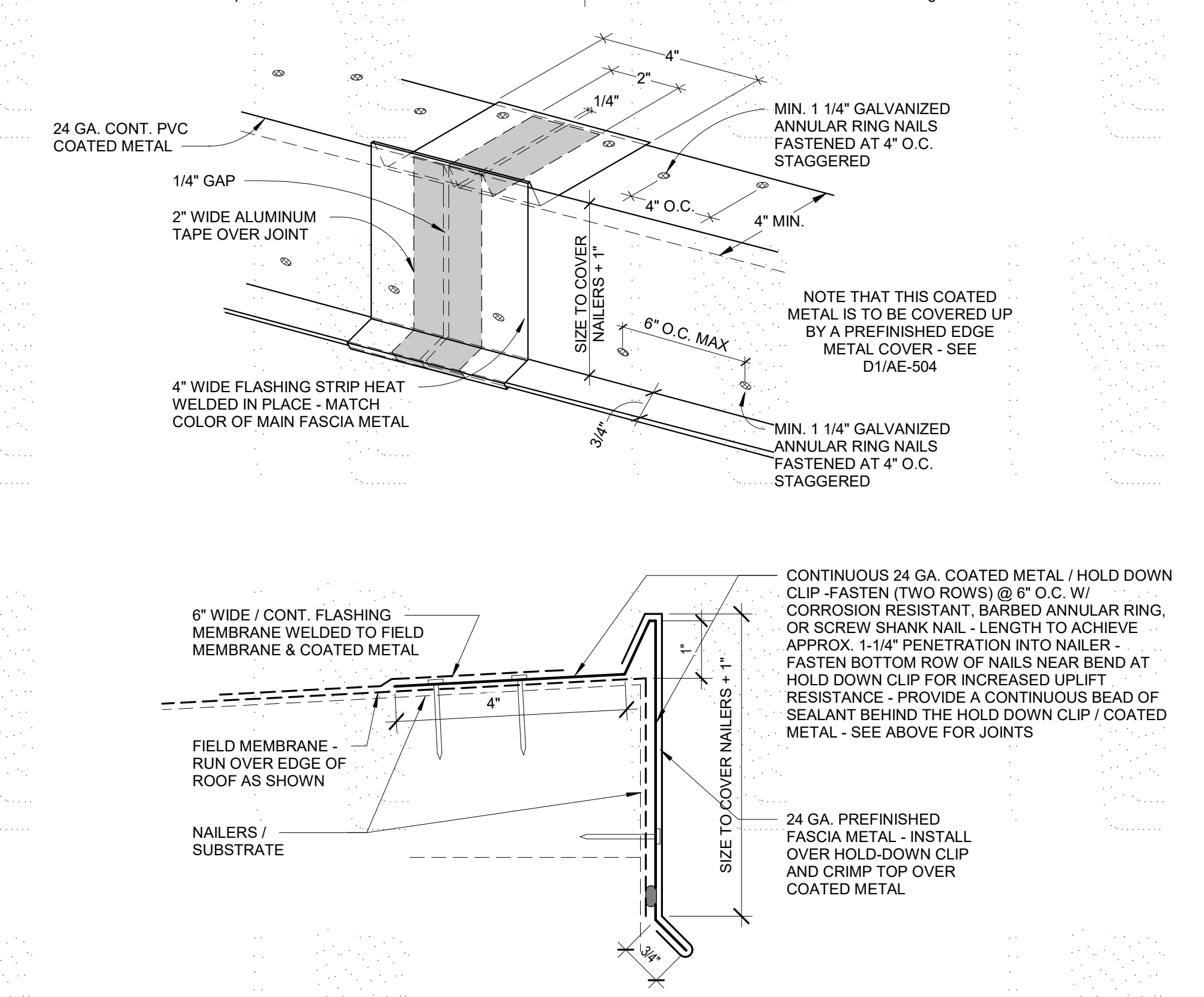
SHEET TITLE:
DETAILS

SHEET NUMBER:
AE-502

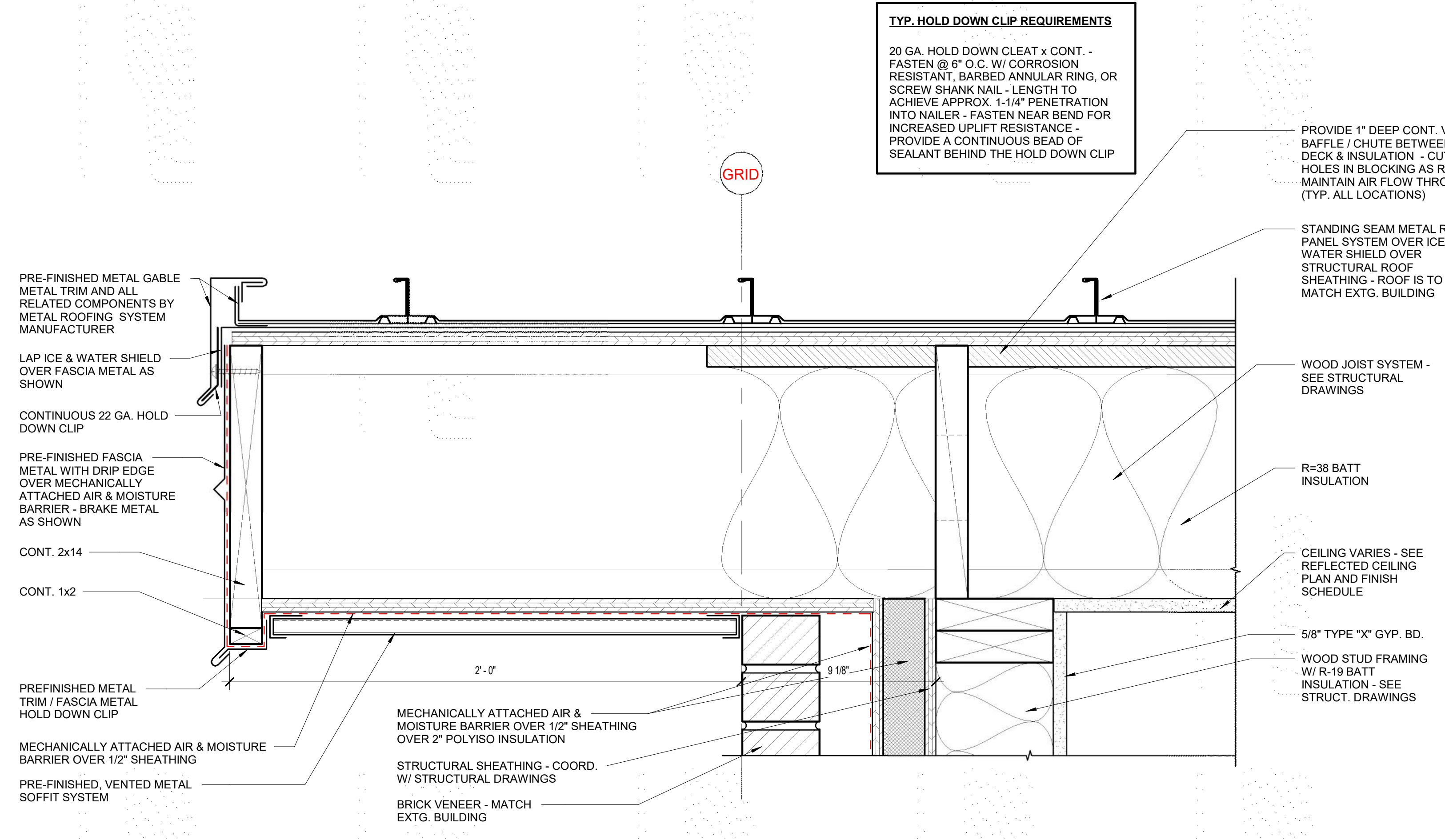
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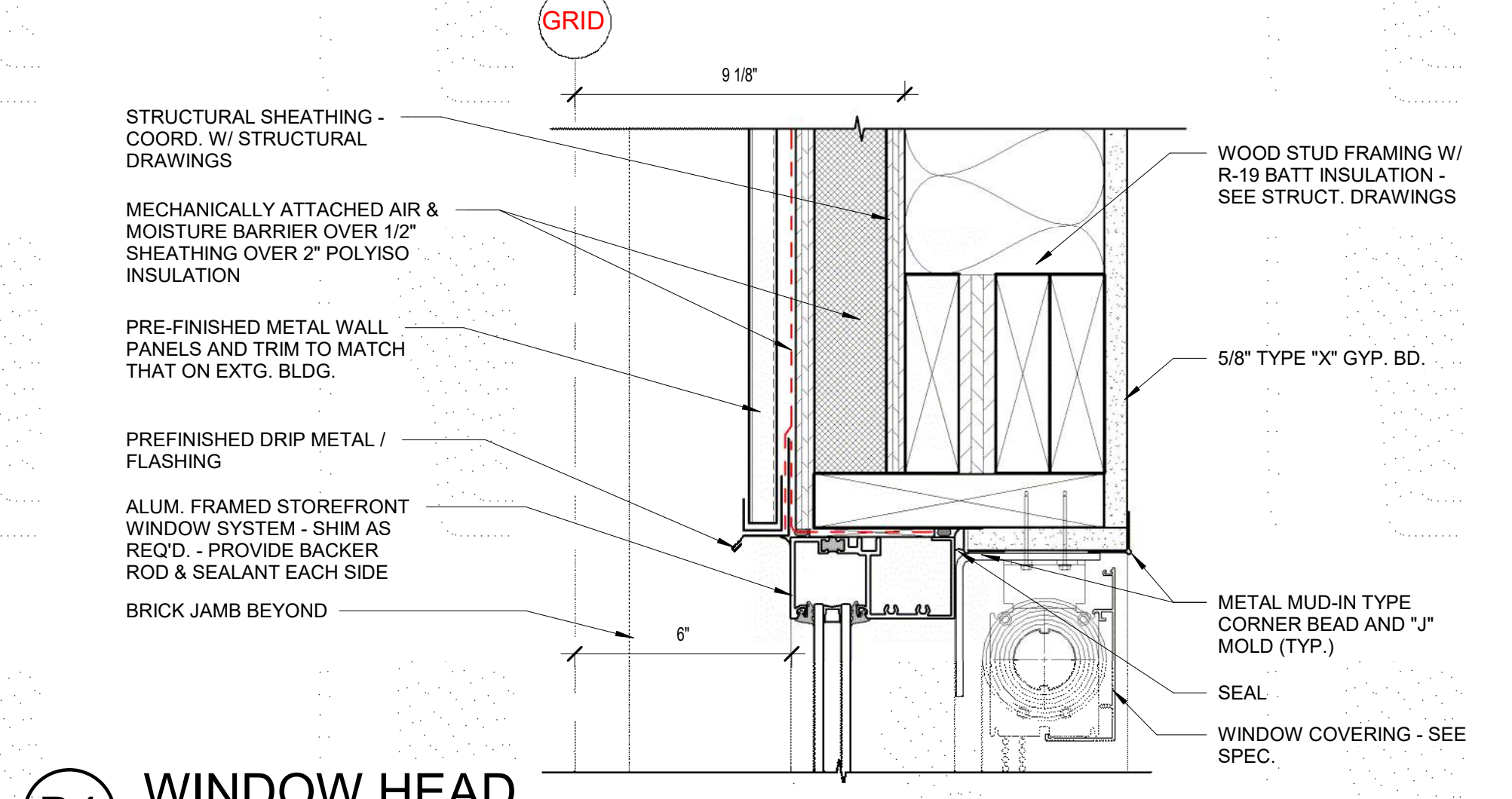
C1 ROOF @ RAKE EDGE / WINDOW
3" = 1'-0"



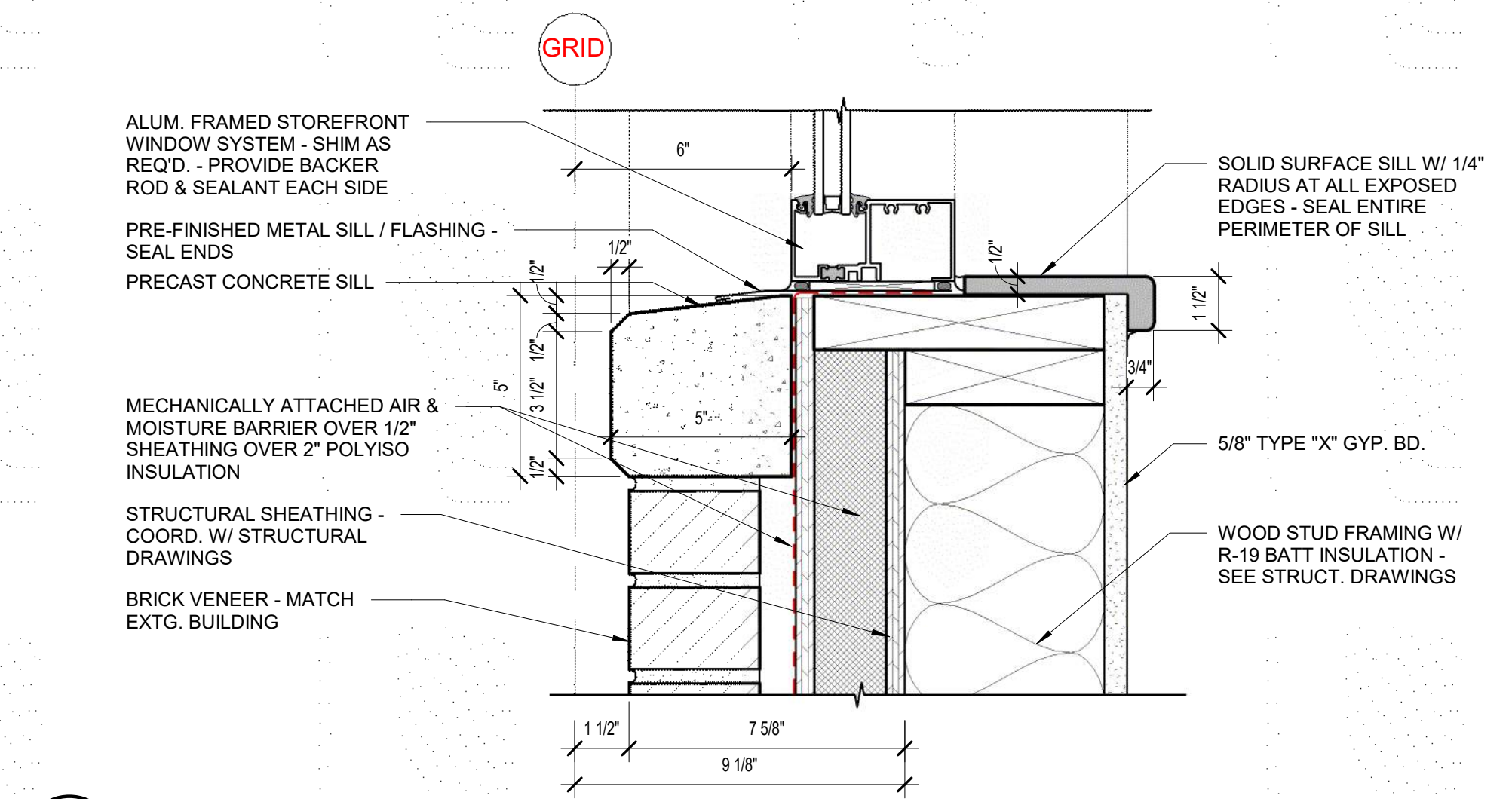
C4 ROOF EDGE @ COATED METAL
6" = 1'-0"



A1 ROOF @ RAKE EDGE / BRICK
3" = 1'-0"



B4 WINDOW HEAD
3" = 1'-0"



A4 WINDOW SILL
3" = 1'-0"

TYP. HOLD DOWN CLIP REQUIREMENTS
20 GA. HOLD DOWN CLEAT x CONT. - FASTEN @ 6" O.C. W/ CORROSION RESISTANT, BARBED ANNULAR RING, OR SCREW SHANK NAIL - LENGTH TO ACHIEVE APPROX. 1-1/4" PENETRATION INTO NAILER - FASTEN NEAR BEND FOR INCREASED UPLIFT RESISTANCE - PROVIDE A CONTINUOUS BEAD OF SEALANT BEHIND THE HOLD DOWN CLIP

ARCHITECT'S INFORMATION

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PROFESSIONAL STAMP

CODE OFFICIAL STAMP

PROJECT NAME

OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

REVISIONS:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #: 20419520
SPE PROJECT #: 19-55
DRAWN BY: GTE
CHECKED BY: SPE
DESIGNED BY: SPE

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SHEET TITLE

DETAILS

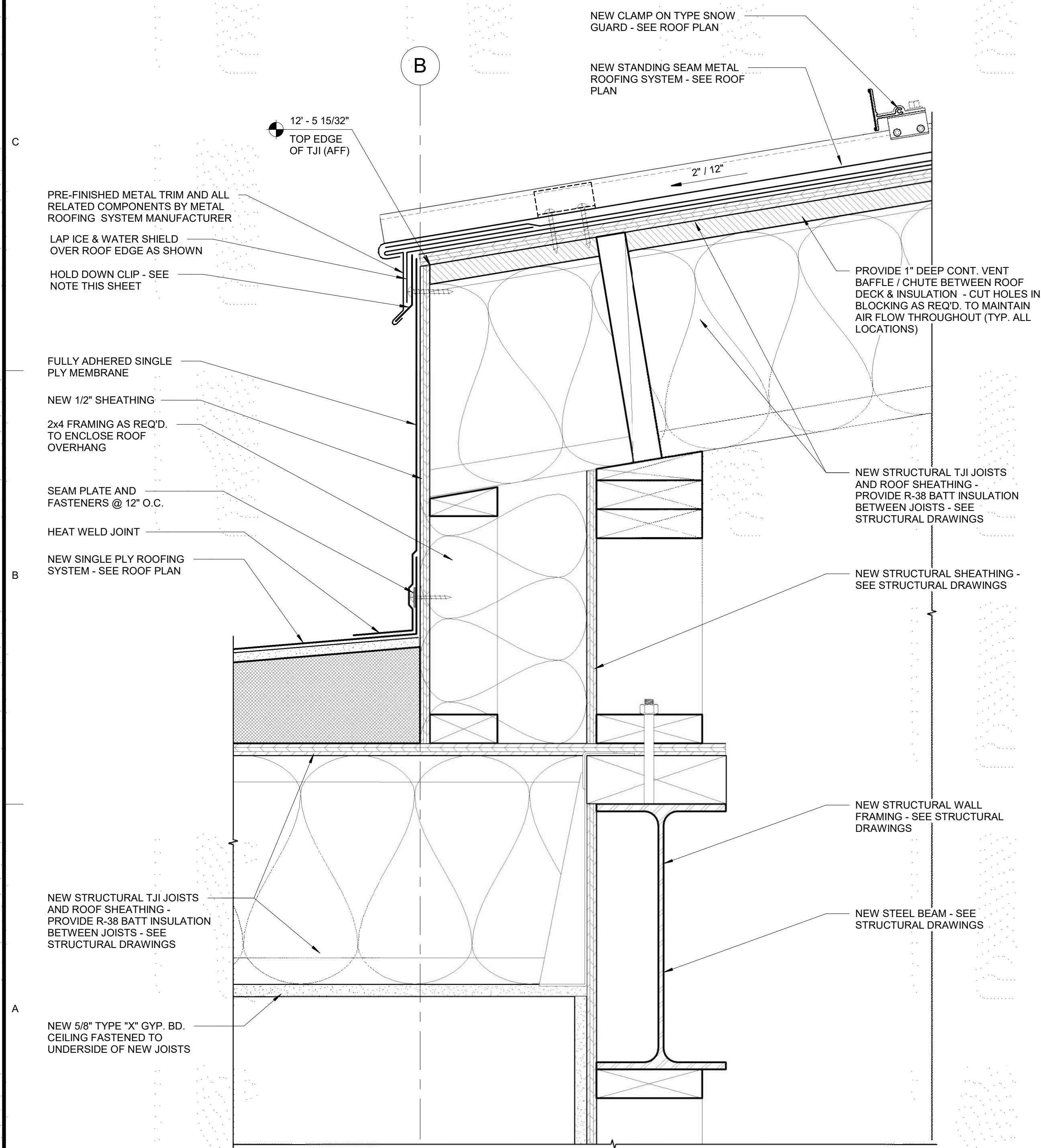
SHEET NUMBER

AE-503

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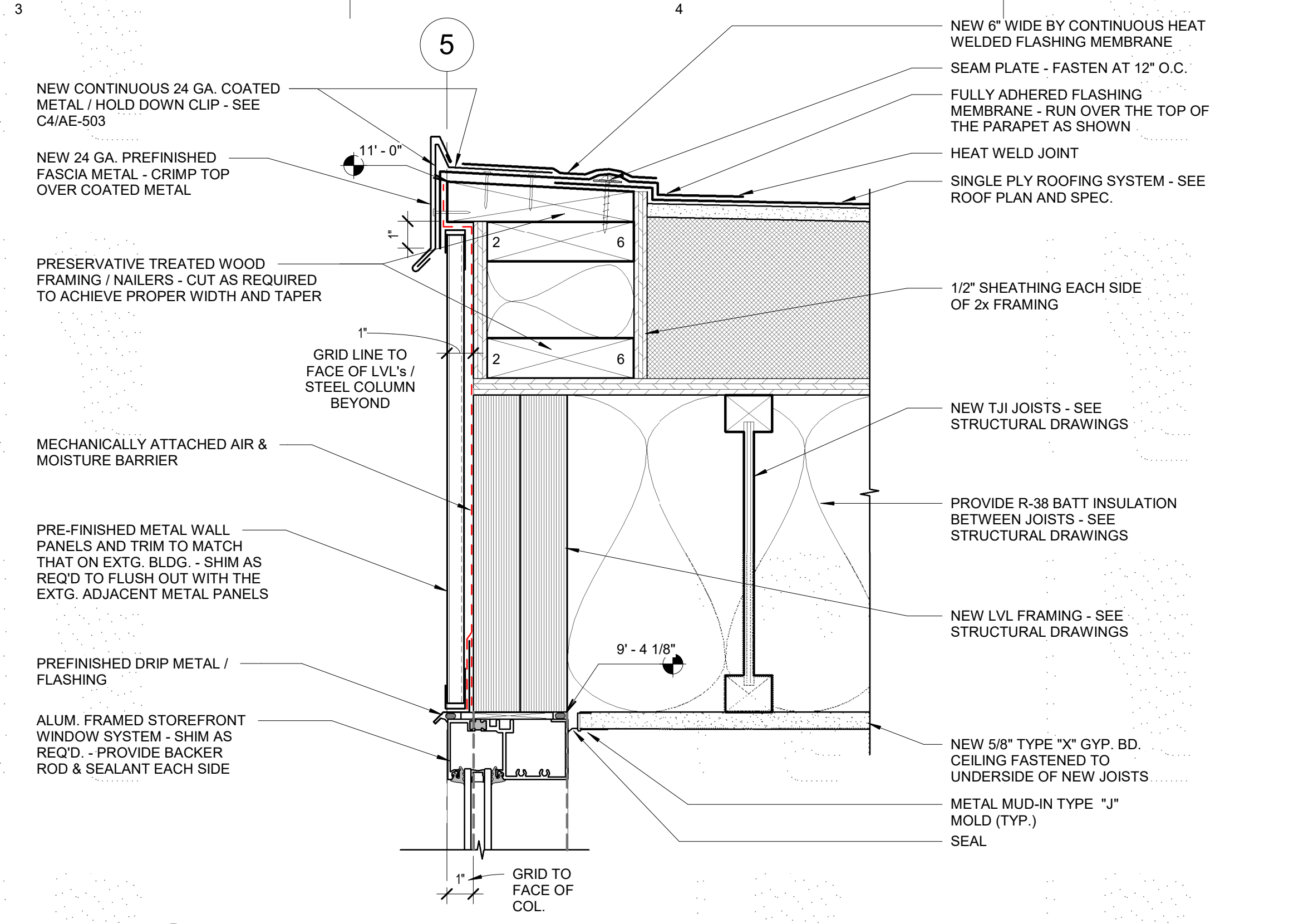
TYP. HOLD DOWN CLIP REQUIREMENTS

20 GA. HOLD DOWN CLEAT x CONT. - FASTEN @ 6" O.C. W/ CORROSION RESISTANT, BARBED ANNULAR RING, OR SCREW SHANK NAIL - LENGTH TO ACHIEVE APPROX. 1-1/4" PENETRATION INTO NAILER - FASTEN NEAR BEND FOR INCREASED UPLIFT RESISTANCE - PROVIDE A CONTINUOUS BEAD OF SEALANT BEHIND THE HOLD DOWN CLIP

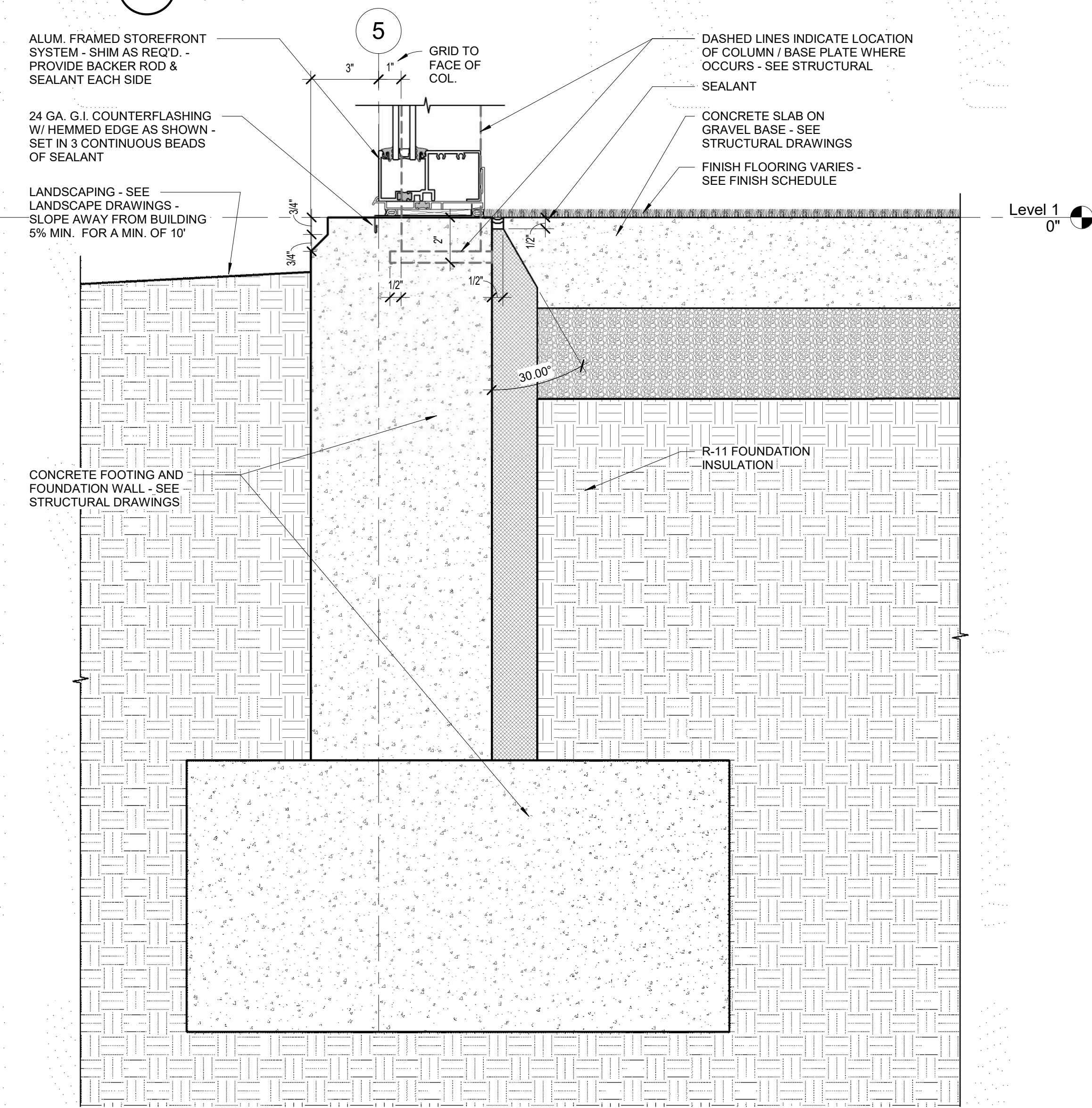


A1 ROOFS @ CONF. ROOM
3" = 1'-0"

Last Plotted: 9/12/2020 9:42:59 AM



C3 STOREFRONT HEAD - EAST
3" = 1'-0"



A3 STOREFRONT BASE - EAST
3" = 1'-0"

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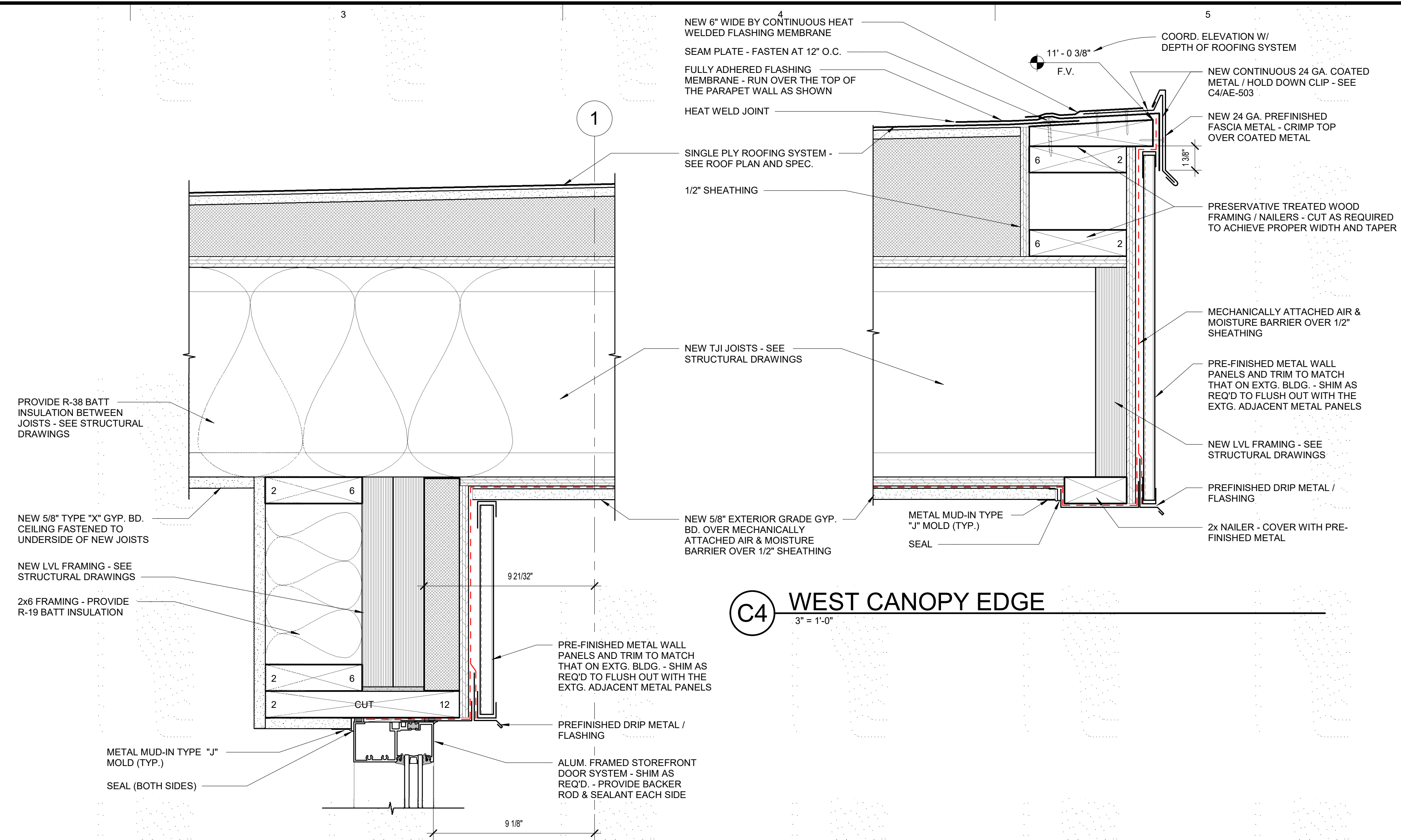
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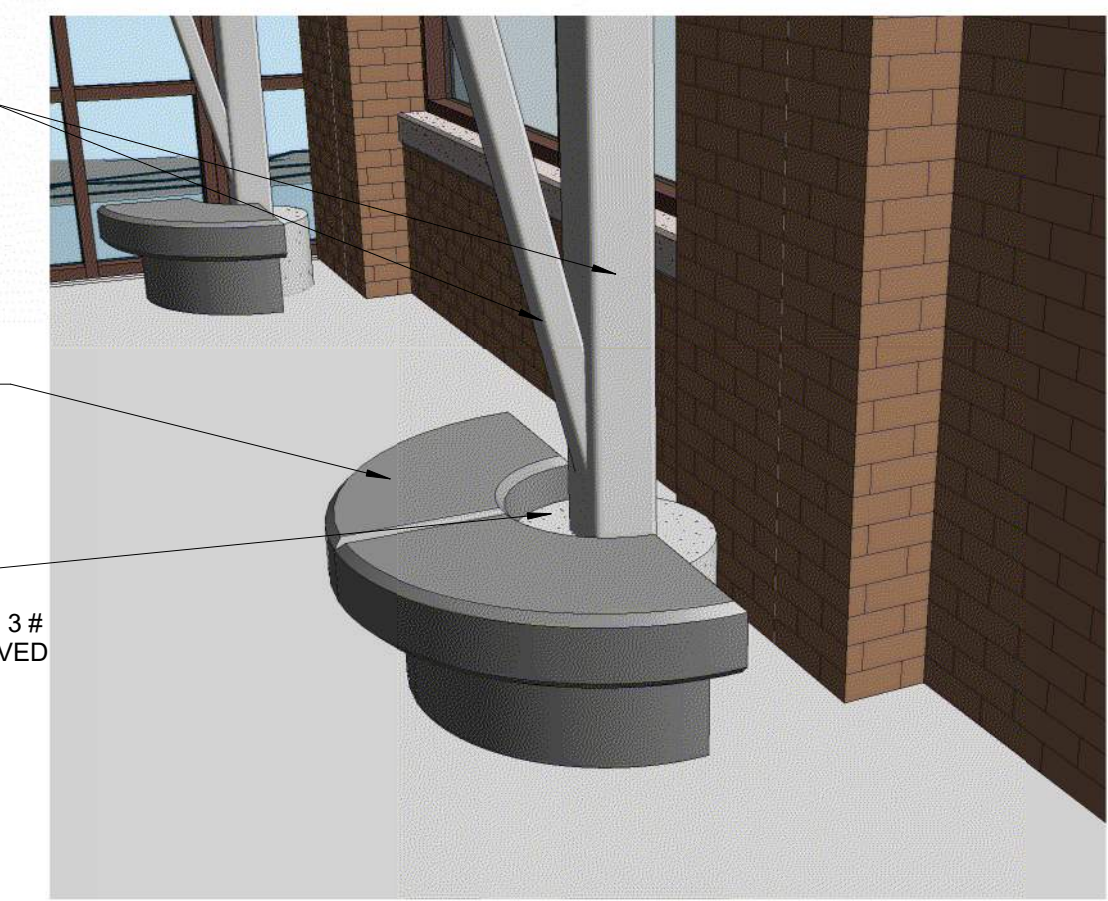
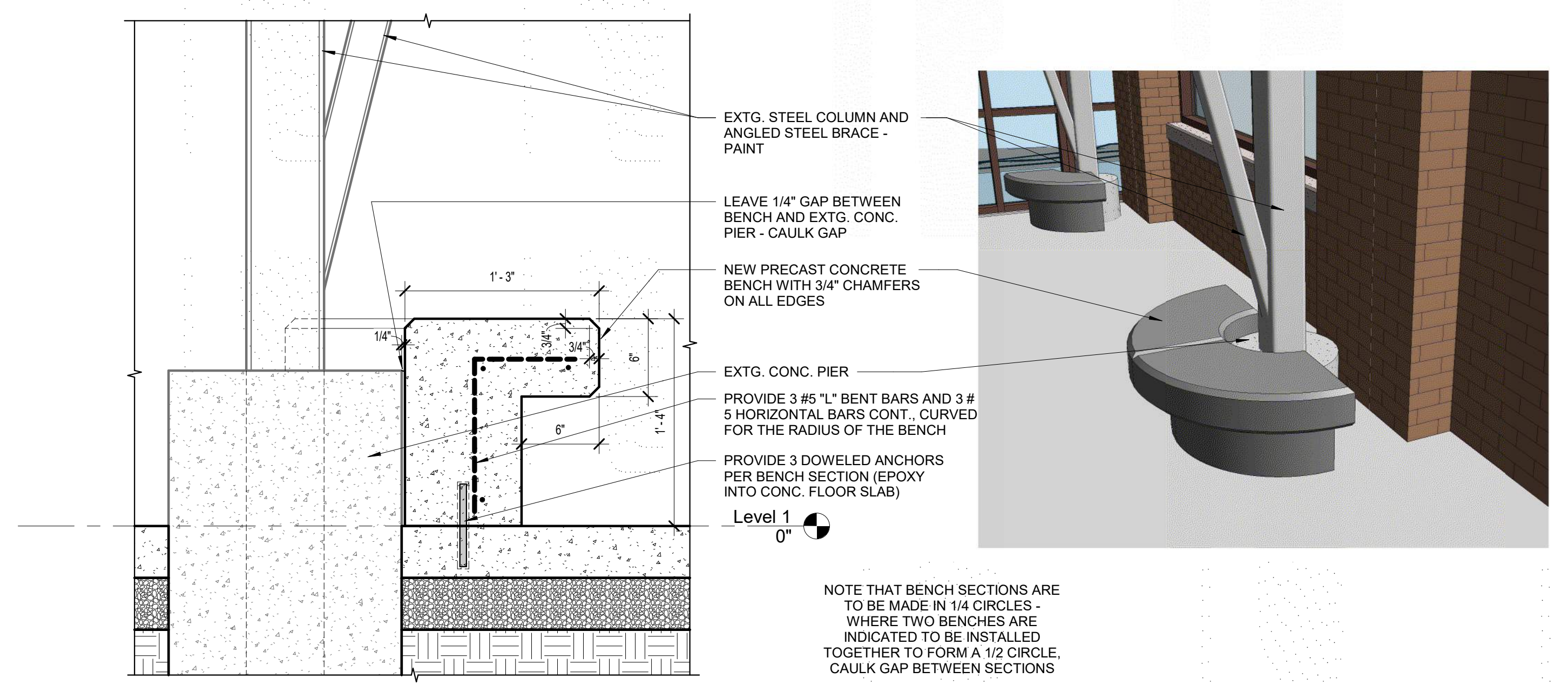
SHEET NUMBER:

AE-504



C4 WEST CANOPY EDGE
3" = 1'-0"

B3 WEST ENTRY DOOR HEAD
3" = 1'-0"



NOTE THAT BENCH SECTIONS ARE TO BE MADE IN 1/4 CIRCLES - WHERE TWO BENCHES ARE INDICATED TO BE INSTALLED TOGETHER TO FORM A 1/2 CIRCLE. CAULK GAP BETWEEN SECTIONS

A3 PRECAST BENCH
1 1/2" = 1'-0"

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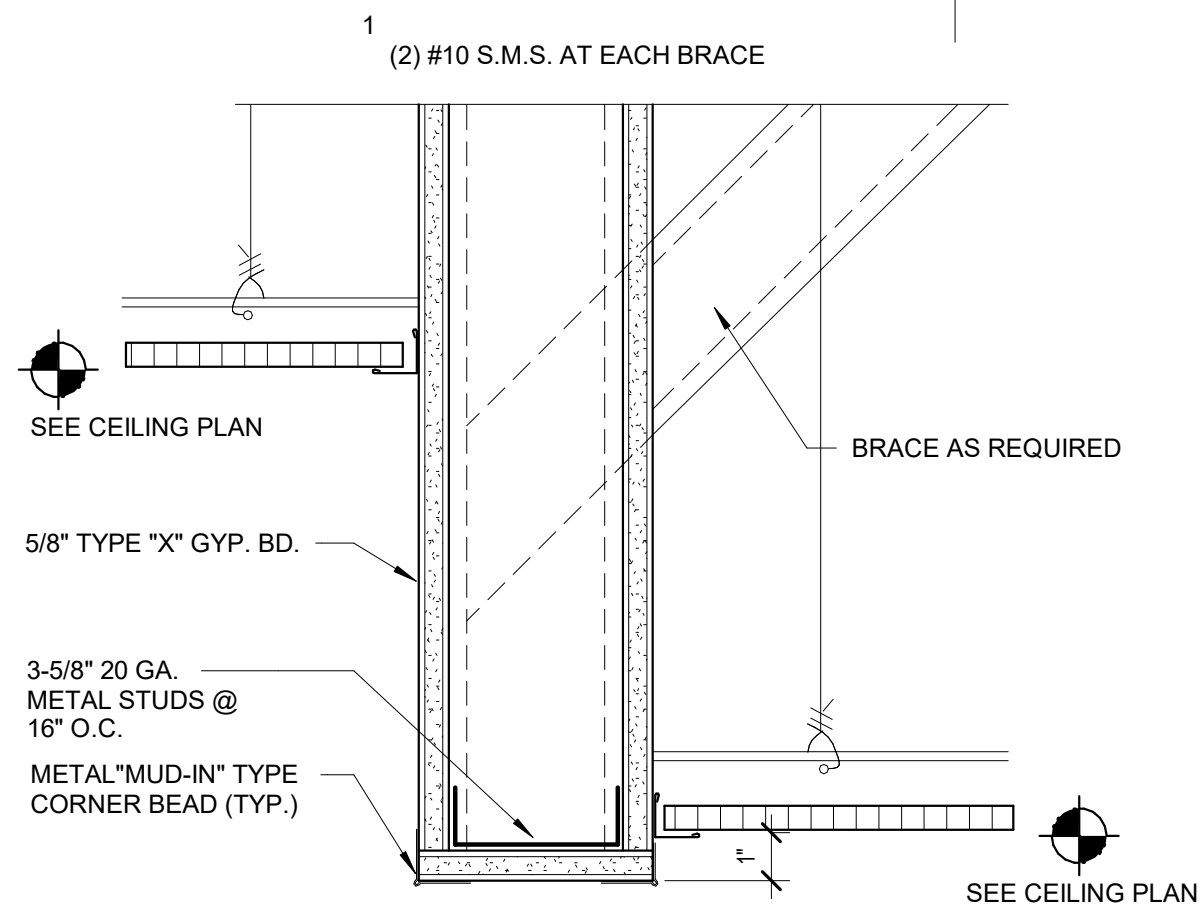
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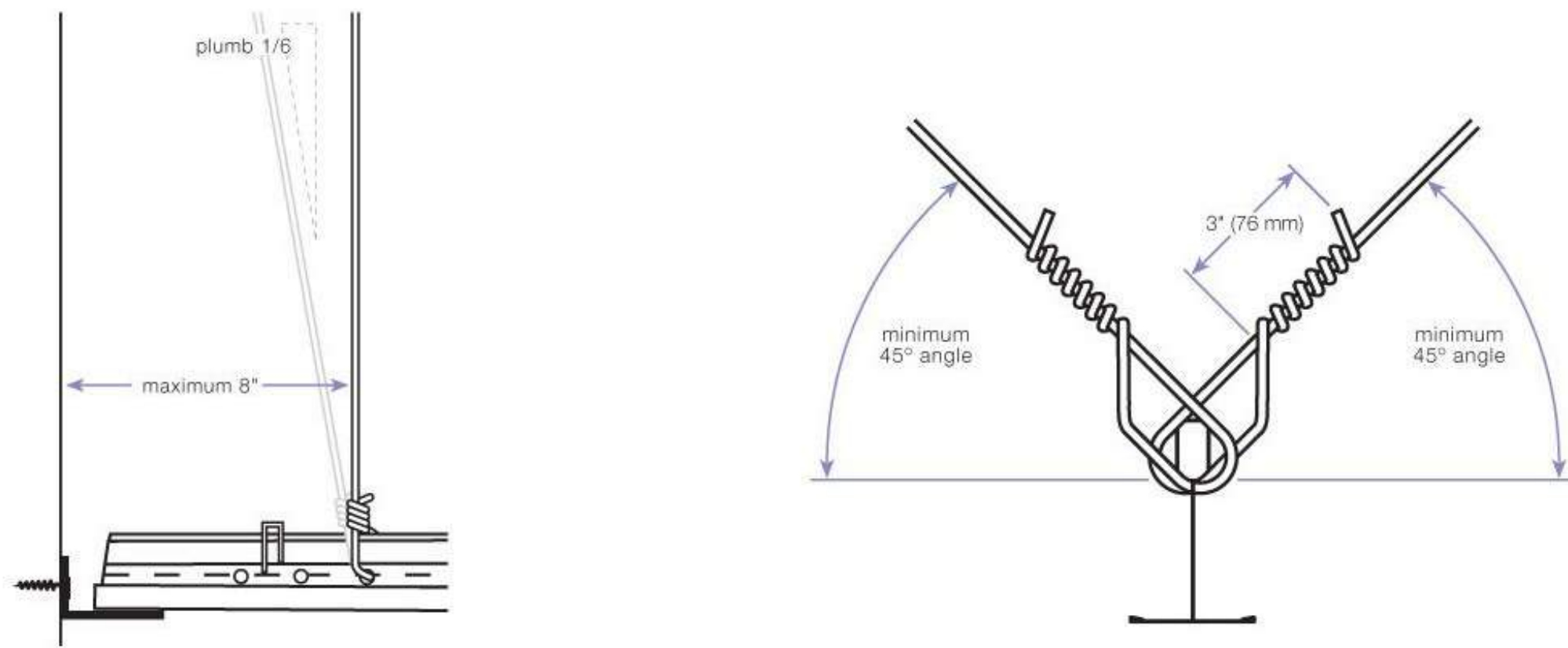
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SHEET TITLE:
DETAILS

SHEET NUMBER:
AE-505

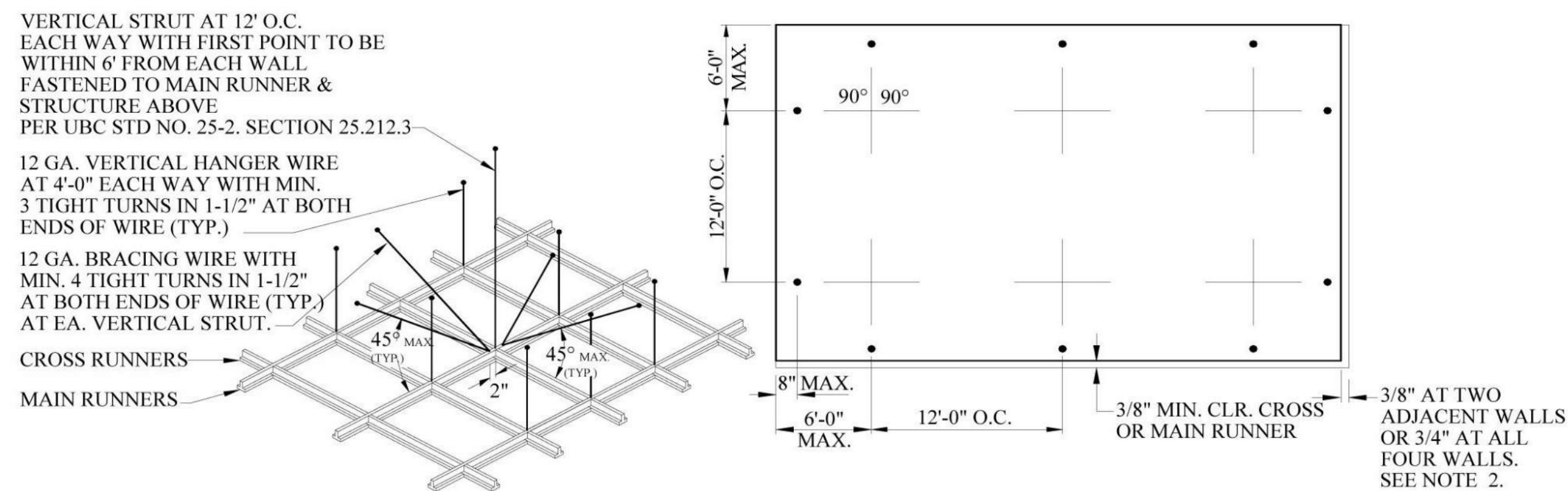


D1 CEILING BULKHEAD DETAIL
3" = 1'-0"



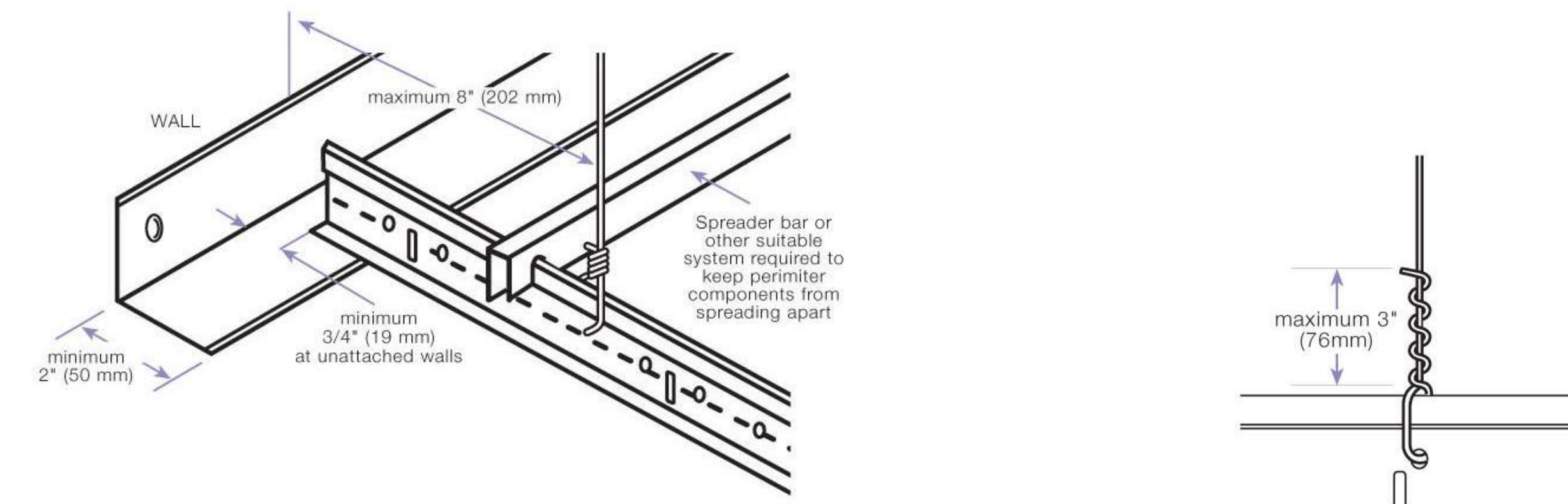
C1 HANGER SUSPENSION WIRES
12" = 1'-0"

C3 WIRE ATTACHMENTS
12" = 1'-0"



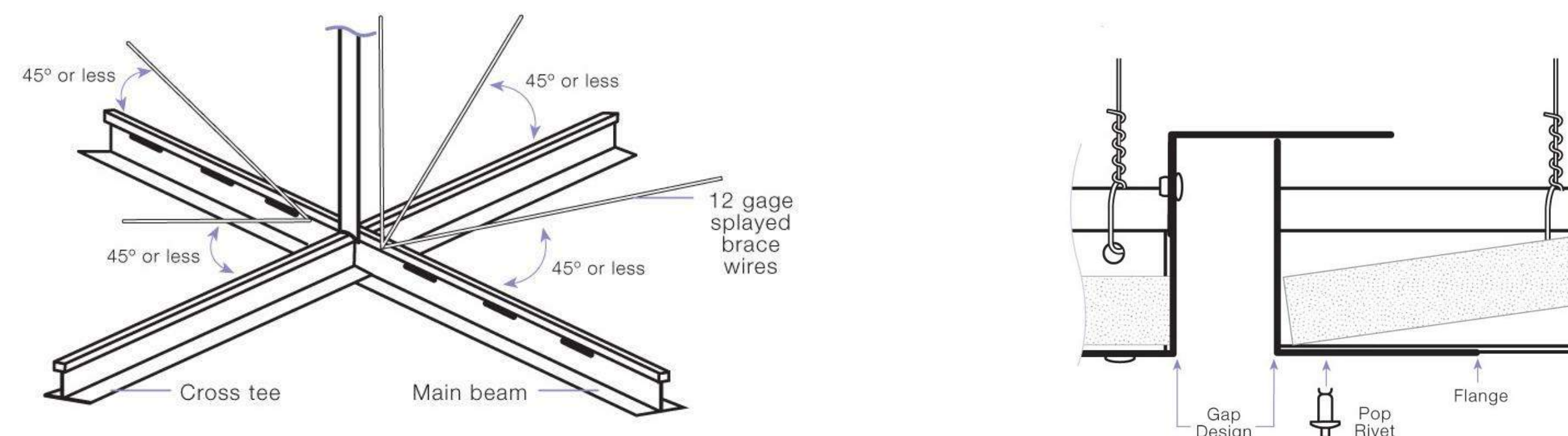
TYPICAL SUSPENDED CEILING VERTICAL & LATERAL SUPPORT

A1 TYP. SUSPENDED CEILING & LATERAL SUPPORT
12" = 1'-0"



B3 WALL MOLDING REQUIREMENTS
12" = 1'-0"

B5 WIRE TIE
12" = 1'-0"



A3 LATERAL FORCE BRACING
12" = 1'-0"

A5 SEISMIC SEPARATION JOINTS
12" = 1'-0"

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PROFESSIONAL STAMP:

STATE OF UTAH
SCOTT PAUL EVANS
NO. 118114
08.17.2020
EXPIRES

CODE OFFICIAL STAMP:

REVIEWED FOR CODE COMPLIANCE
DATE: 08/12/2020

PROJECT NAME:

OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

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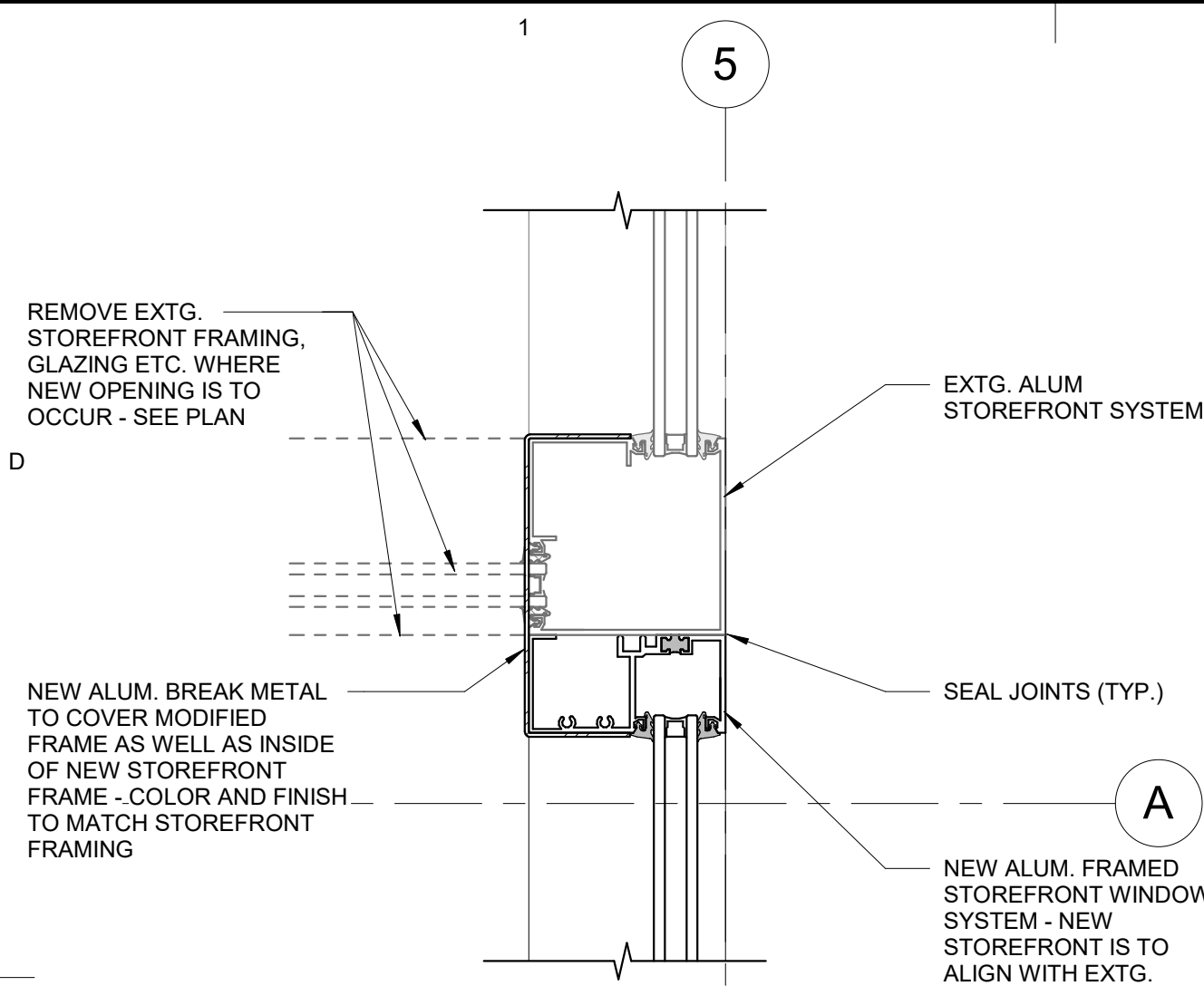
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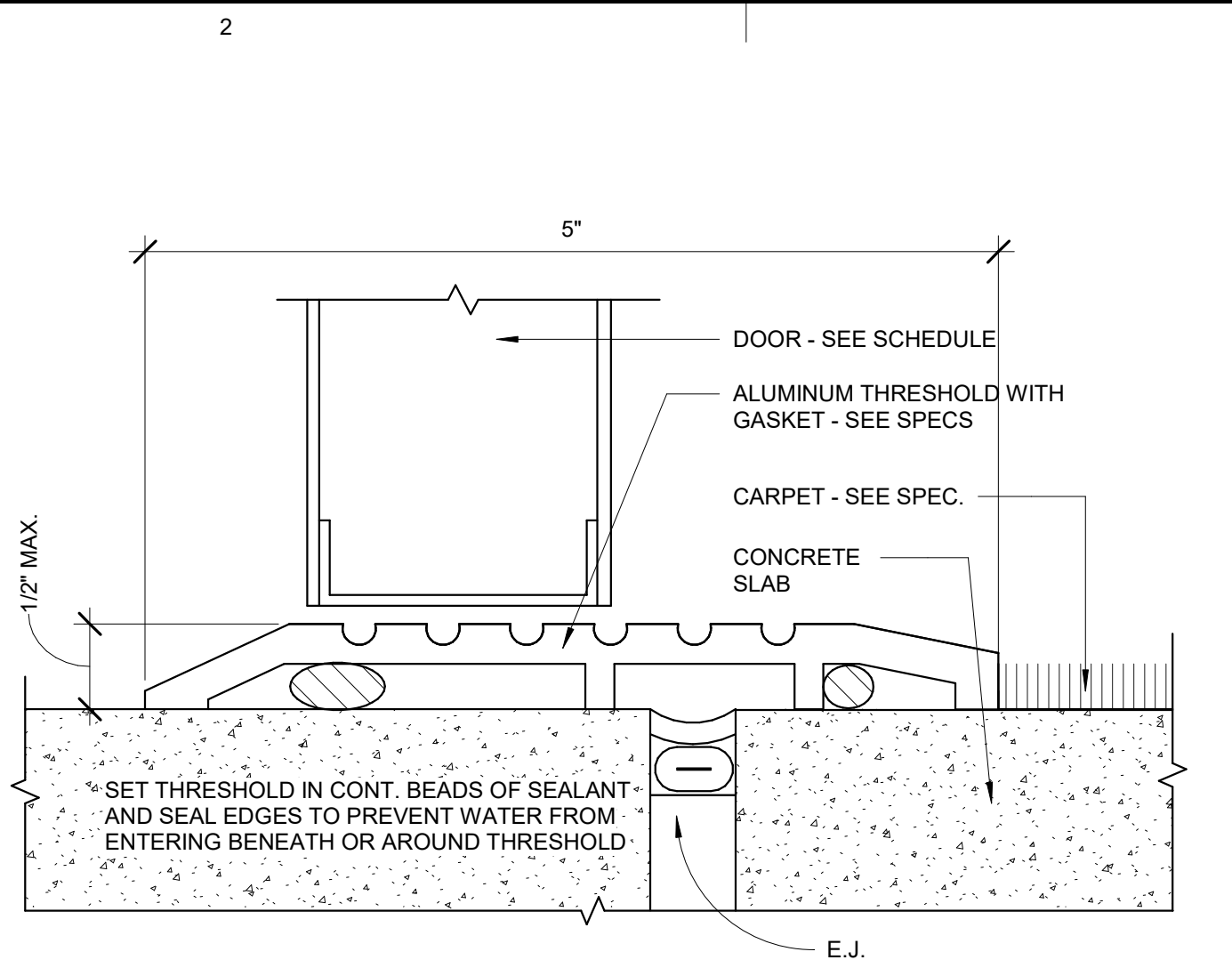
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SHEET NUMBER:

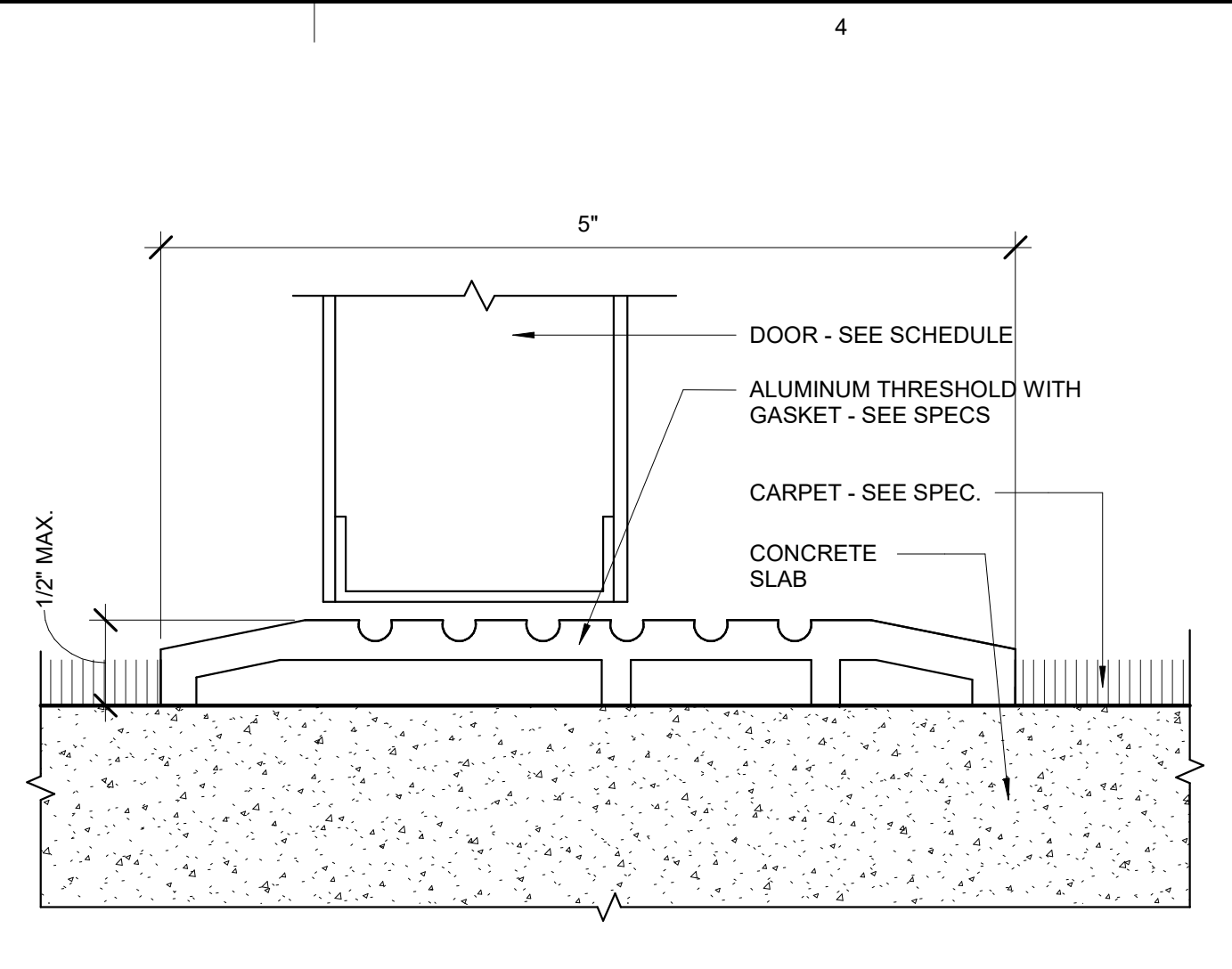
AE-506



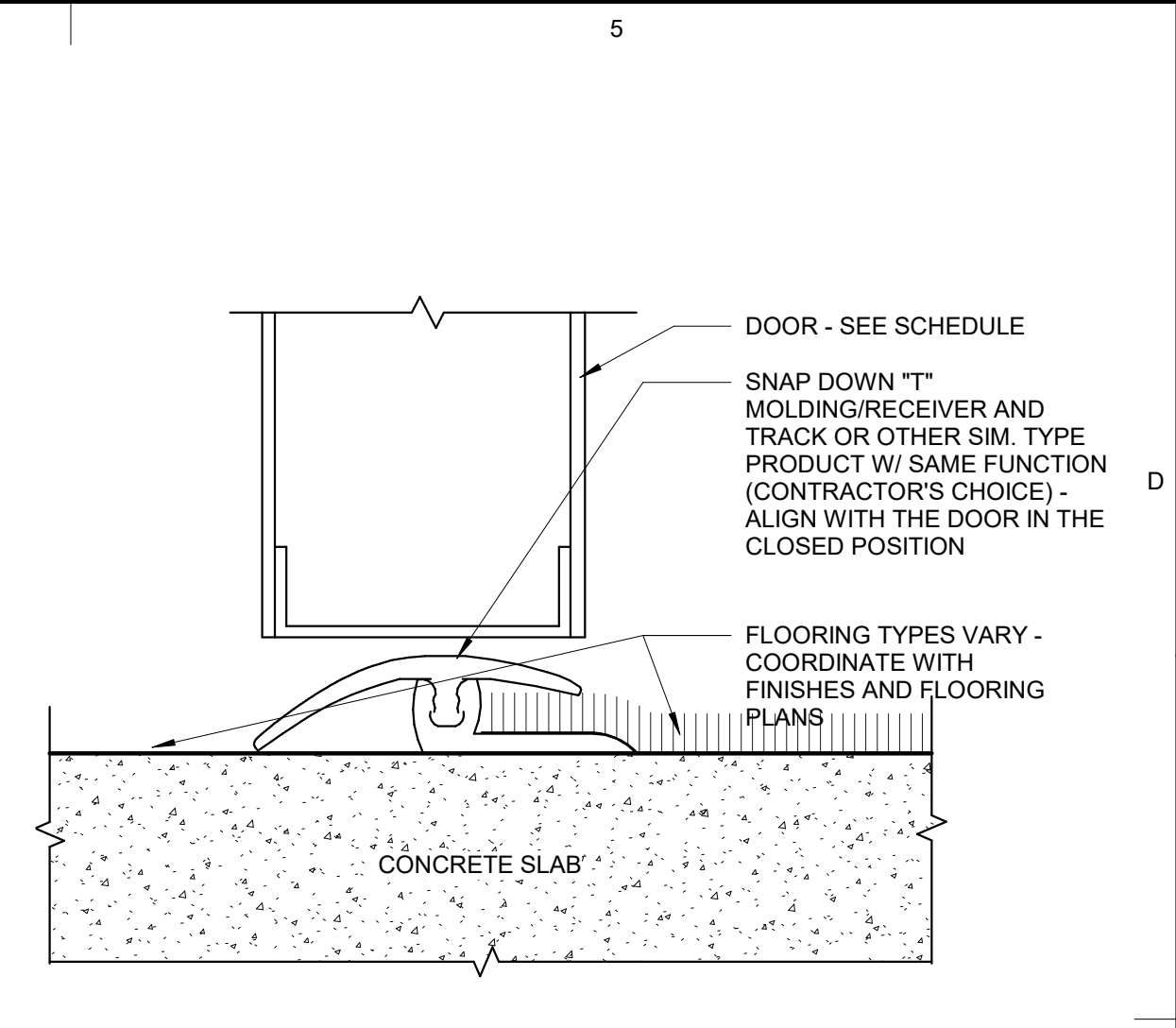
D1 NEW / EXTG. STOREFRONT
3" = 1'-0"



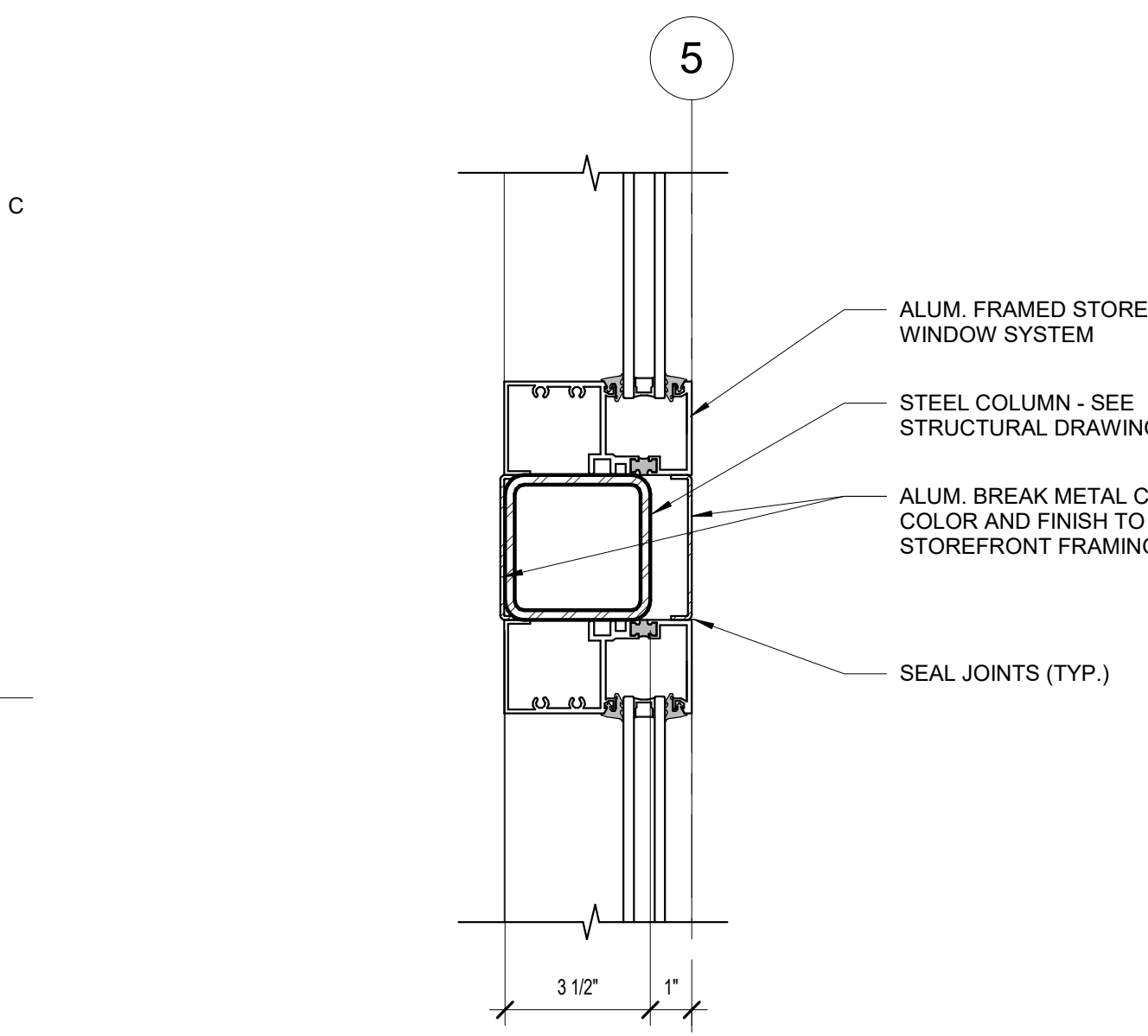
D2 THRESHOLD 01
12" = 1'-0"



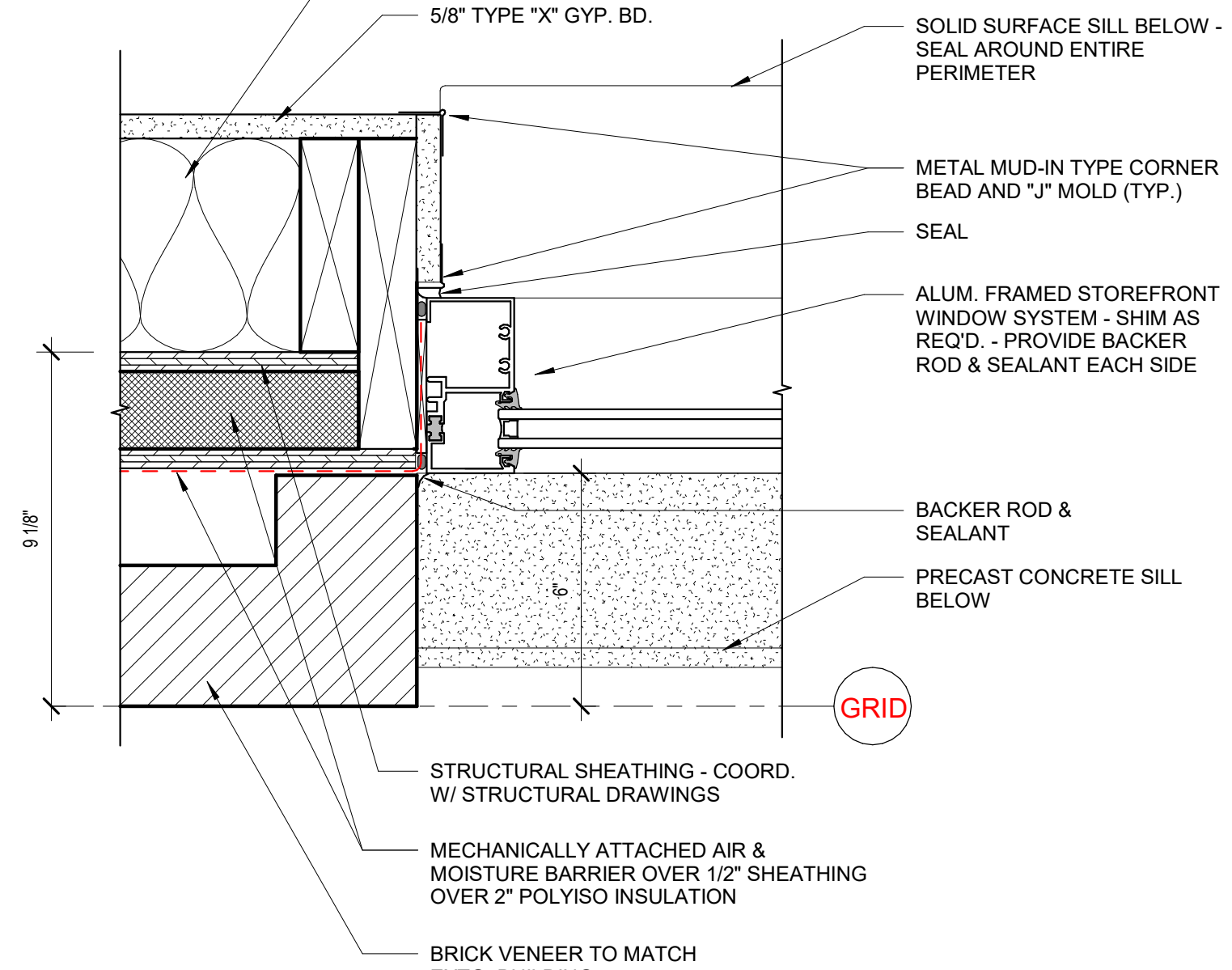
D3 THRESHOLD 04
12" = 1'-0"



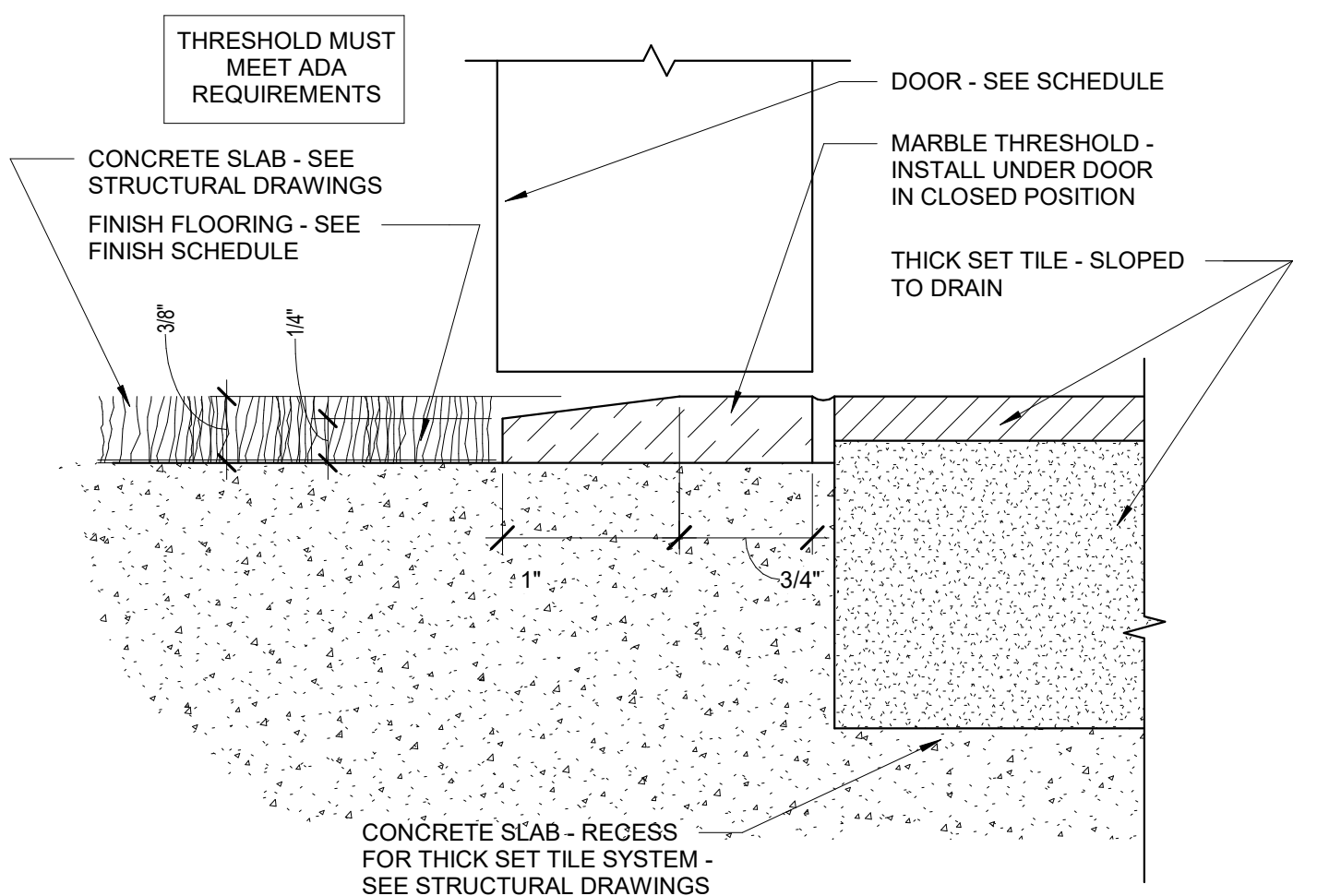
D4 THRESHOLD 02
12" = 1'-0"



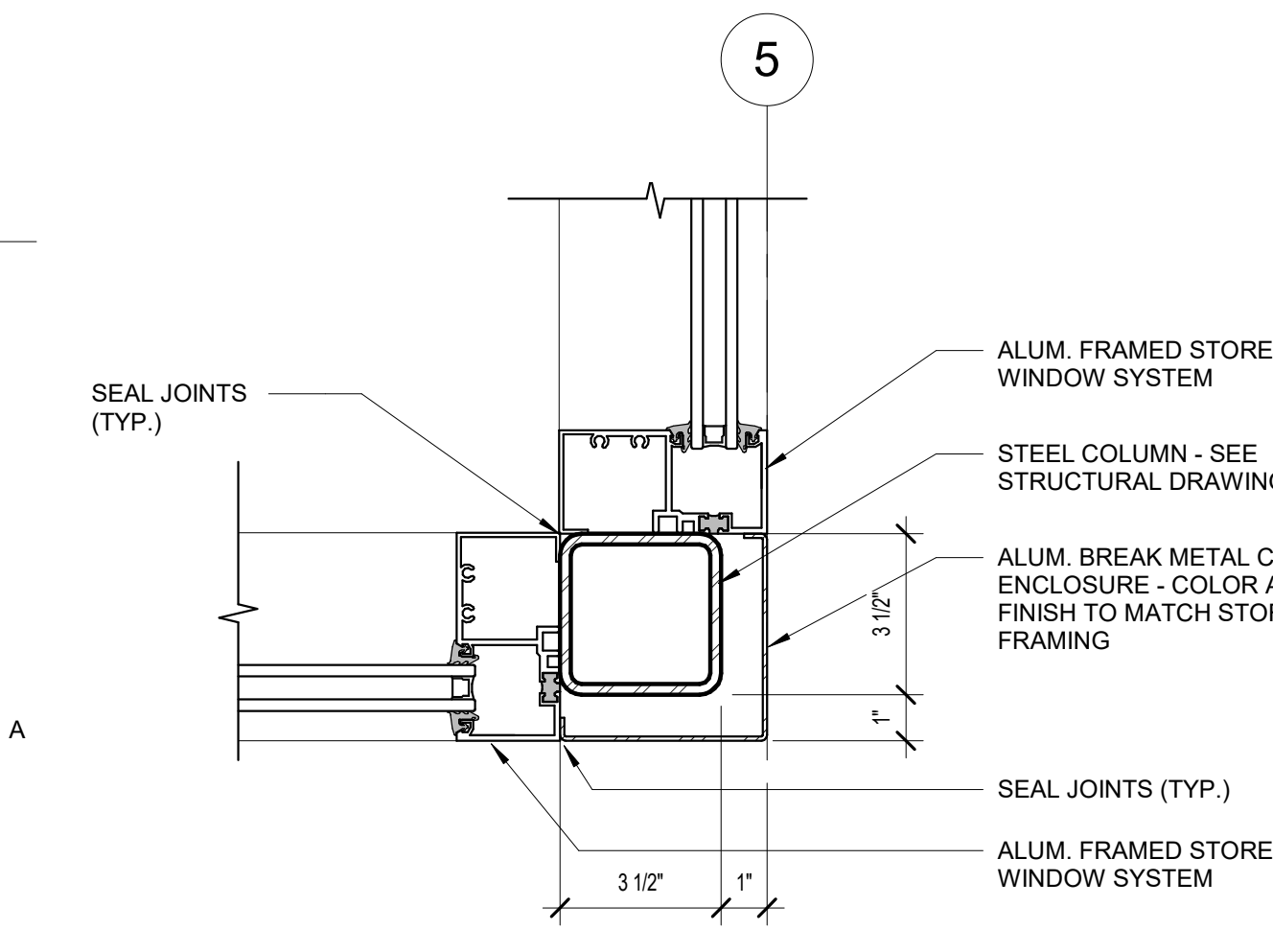
B1 STOREFRONT @ COLUMN
3" = 1'-0"



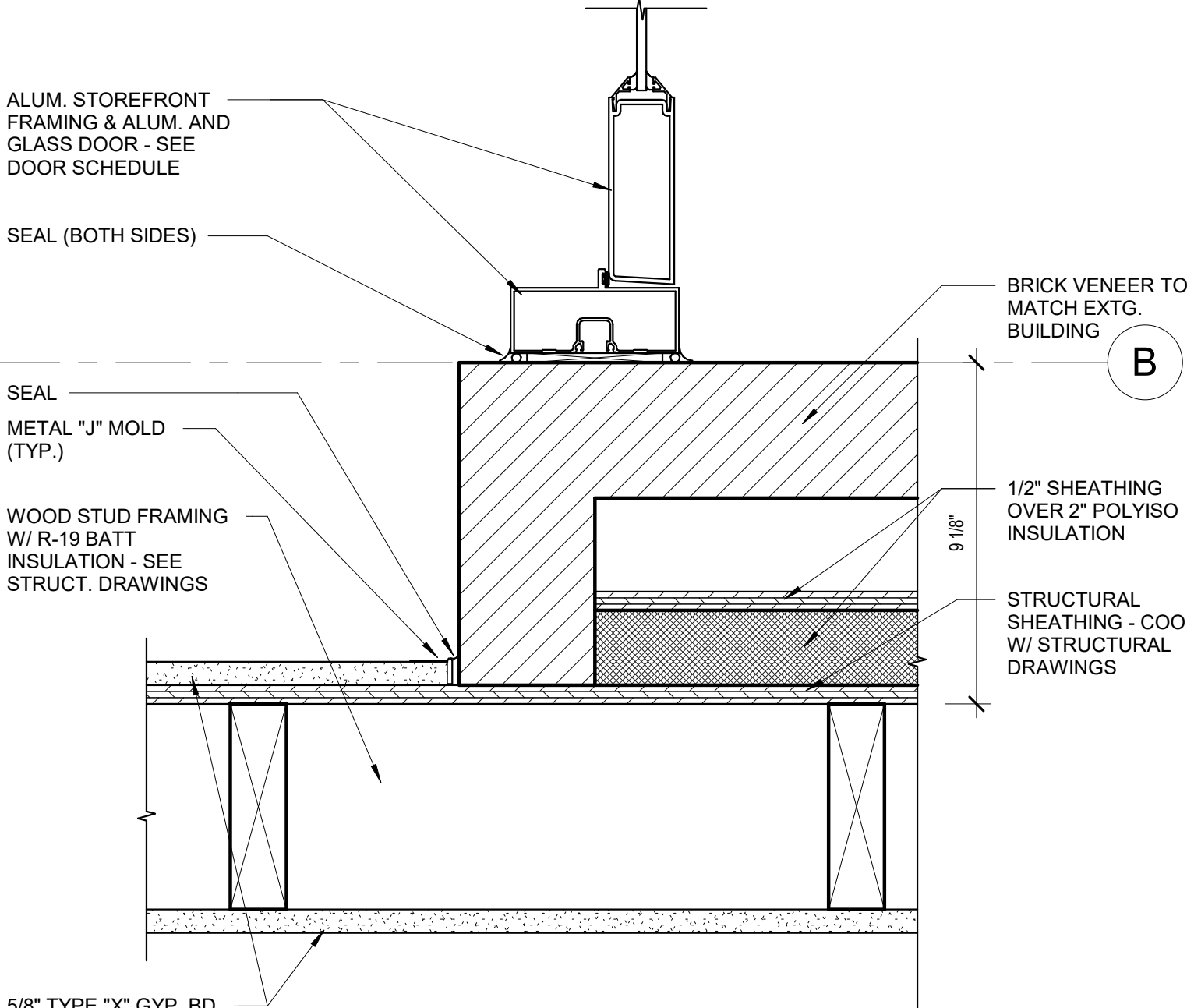
B2 WINDOW JAMB DETAIL
3" = 1'-0"



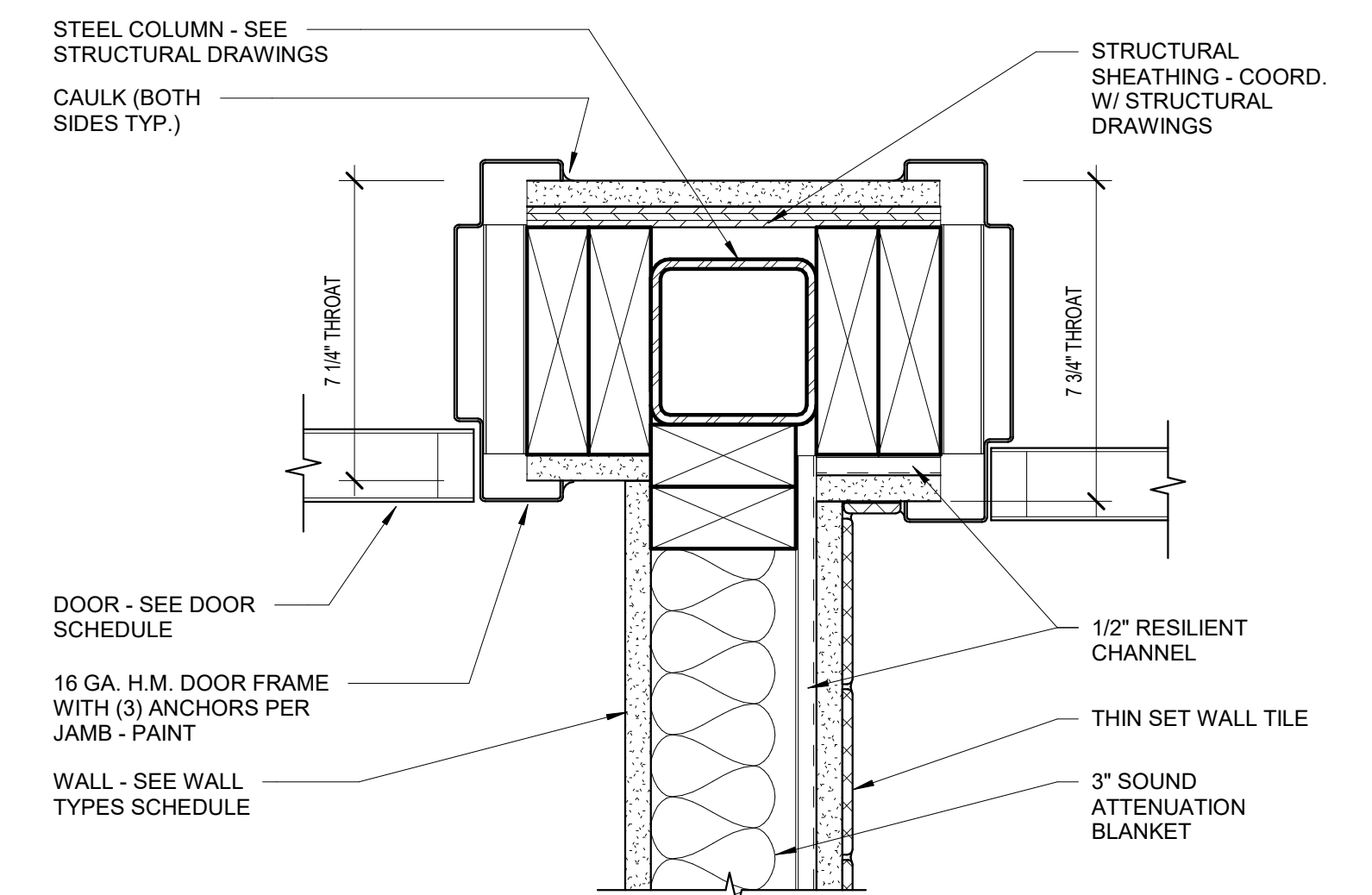
B3 THRESHOLD 03
12" = 1'-0"



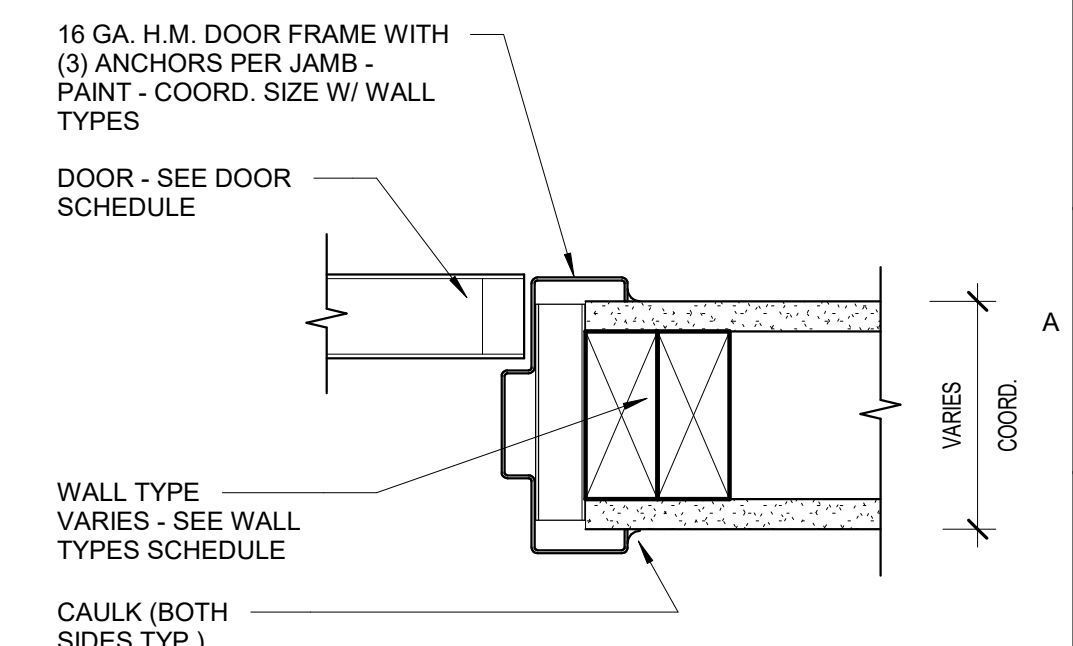
A1 STOREFRONT CORNER @ COLUMN
3" = 1'-0"



A2 INTERIOR BRICK DOOR JAMB
3" = 1'-0"



A3 DOORS AT COLUMN
3" = 1'-0"



A5 H.M. DOOR
3" = 1'-0"

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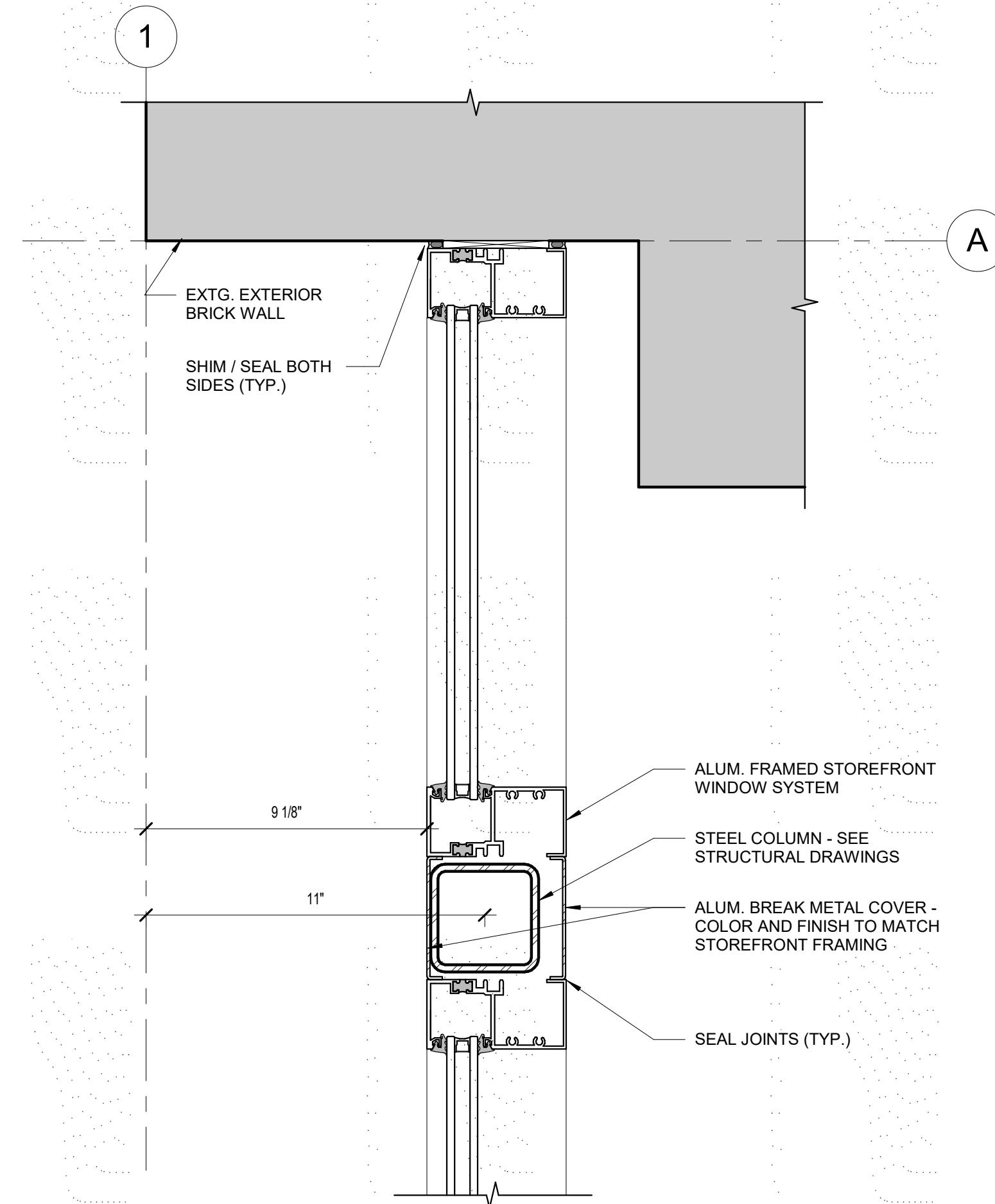
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DETAILS

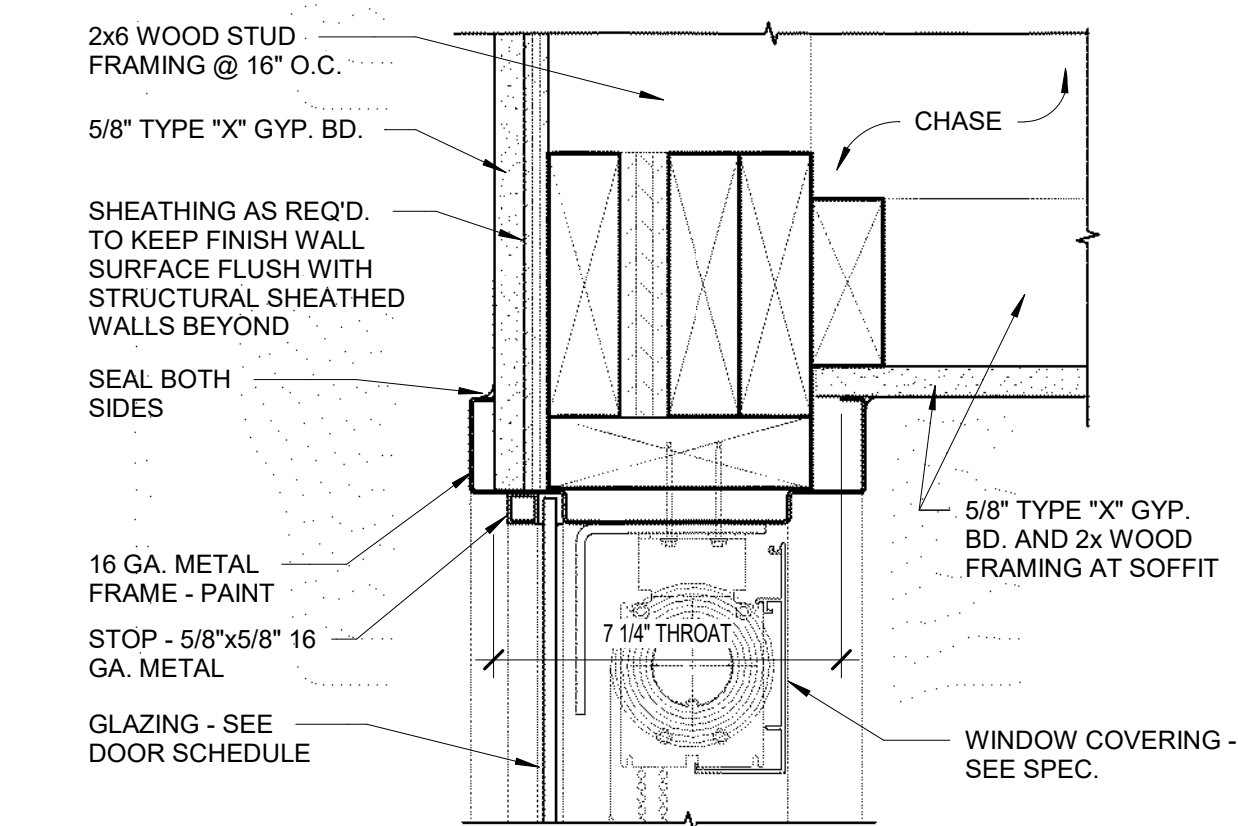
SHEET NUMBER:

AE-507

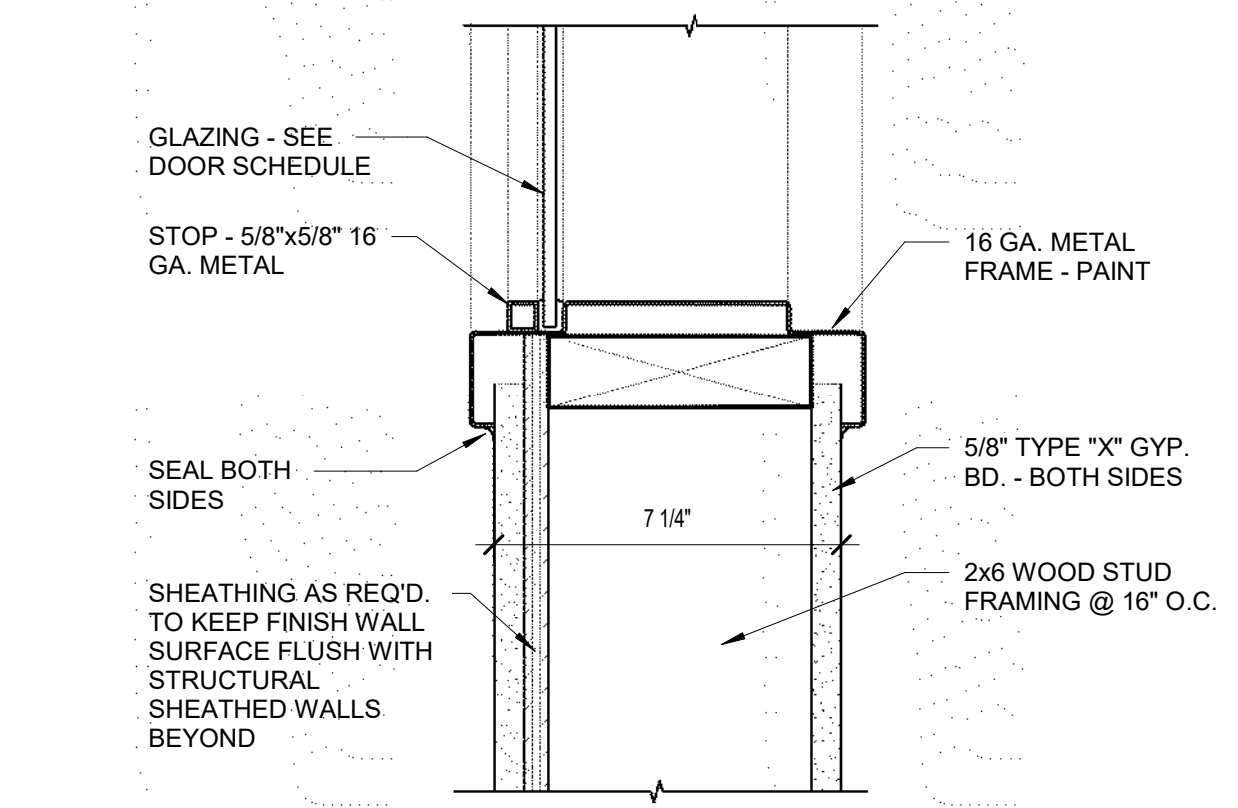
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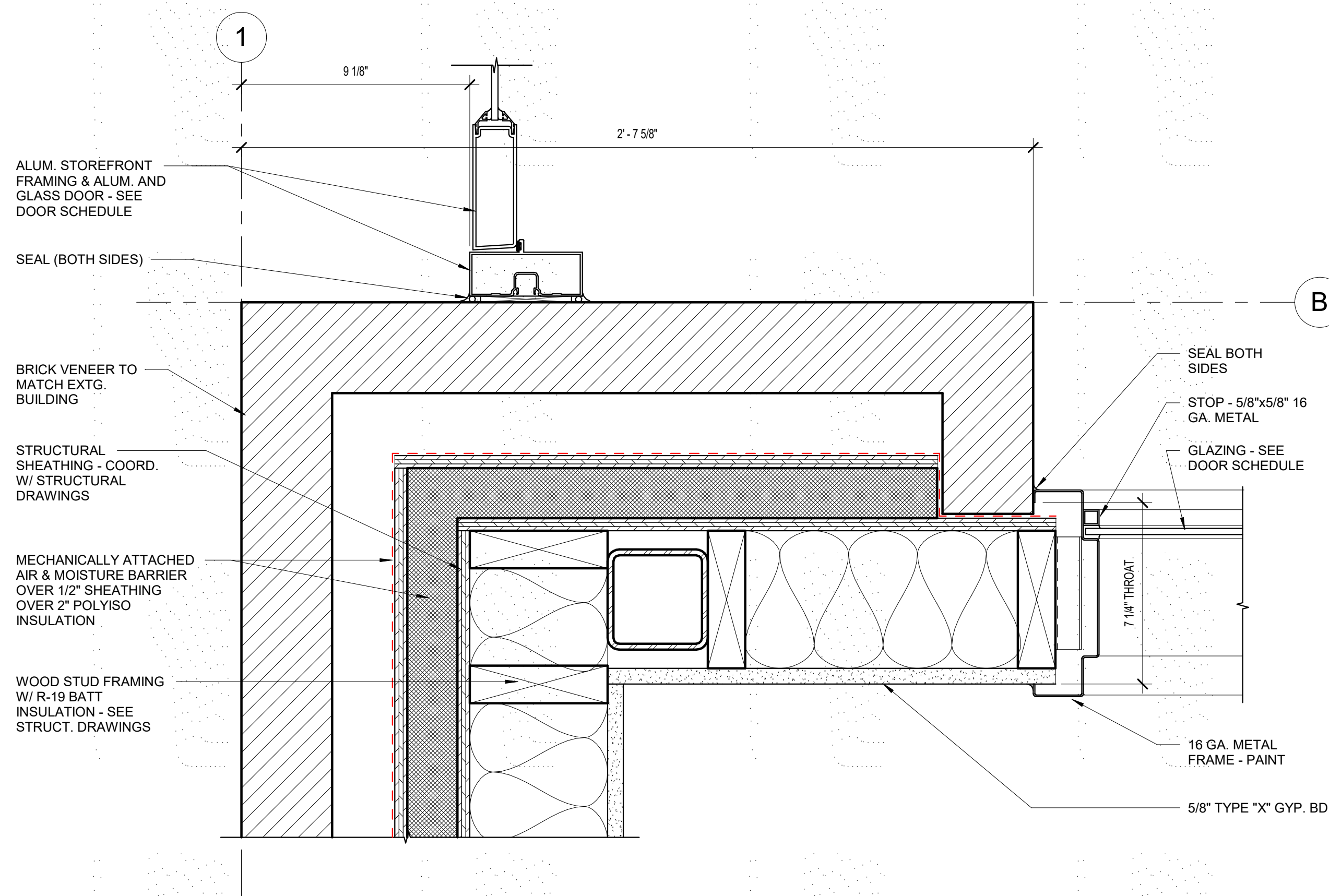
C1 COLUMN @ WEST ENTRY
3" = 1'-0"



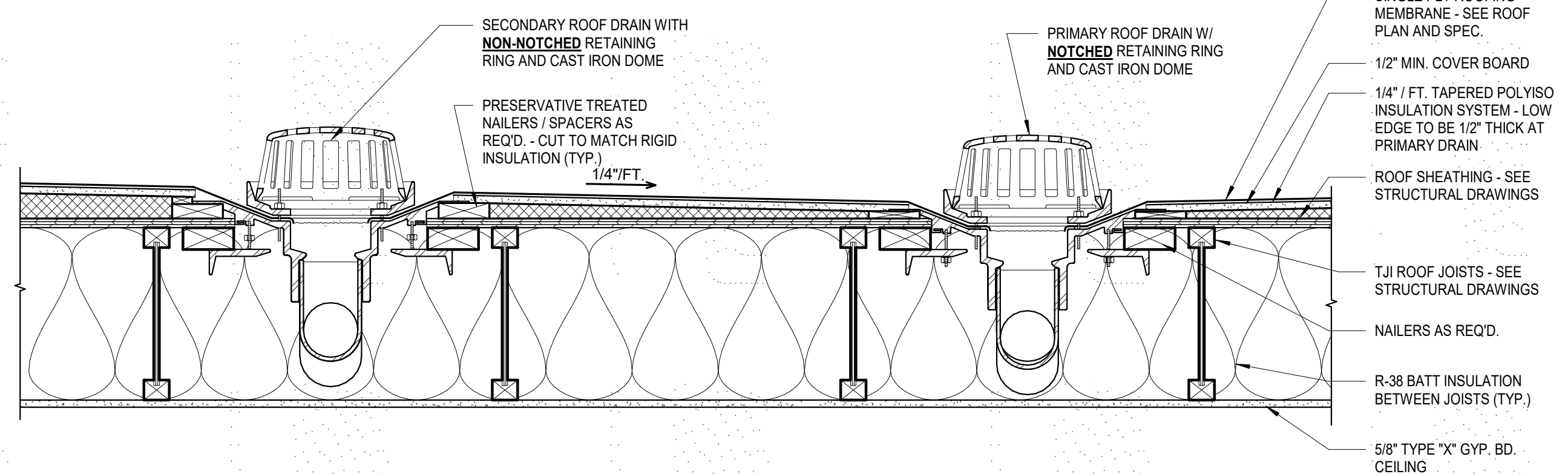
D3 H.M. HEAD
3" = 1'-0"



C3 H.M. SILL
3" = 1'-0"



A1 WEST ENTRY BRICK / DOOR
3" = 1'-0"



A3 ROOF DRAINS
1 1/2" = 1'-0"

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WMA OFFICE BUILDING**

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SHEET TITLE:

DETAILS

SHEET NUMBER:

AE-508

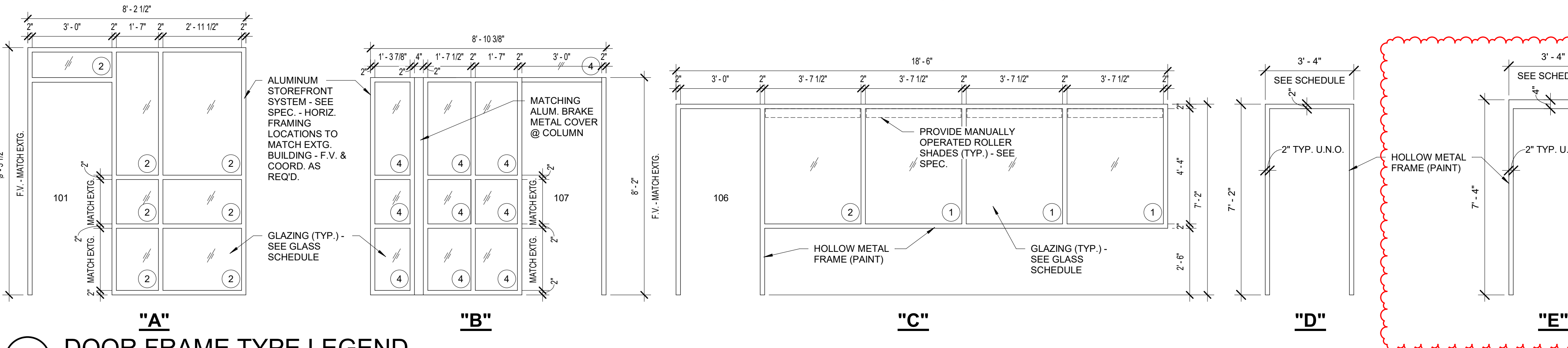
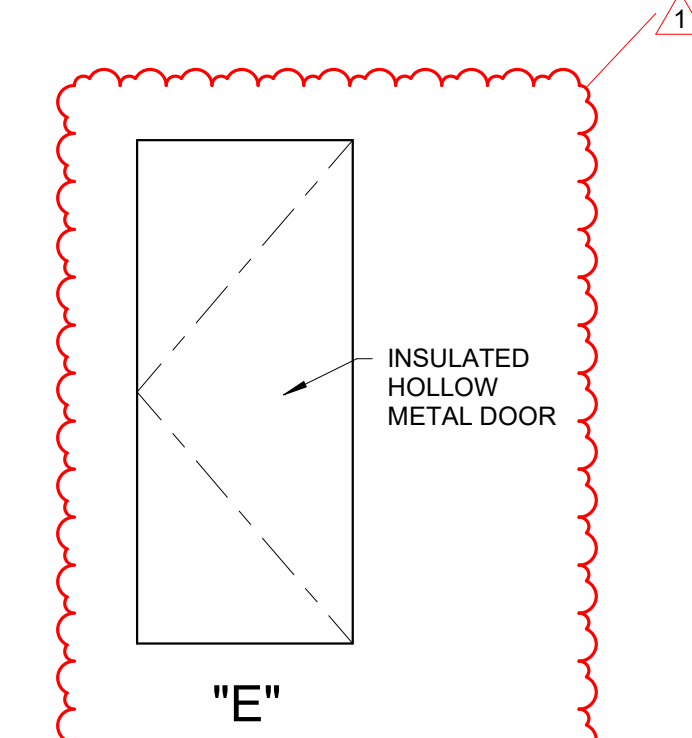
Last Plotted: 9/12/2020 9:45:05 AM

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR FINISH	BASE	BASE FINISH	NORTH WALL MATERIAL	NORTH WALL FINISH	EAST WALL MATERIAL	EAST WALL FINISH	SOUTH WALL MATERIAL	SOUTH WALL FINISH	WEST WALL MATERIAL	WEST WALL FINISH	CEILING MATERIAL	CEILING FINISH	CEILING HEIGHT	COMMENTS
101	VEST.	WALK-OFF CARPET TILE	NONE	NONE	EXTG. GYP. BD.	PAINT	NEW / EXTG. GLASS	NONE	BRICK / GLASS	NONE	NEW / EXTG. GLASS - EXTG. BRICK	NONE	NEW / EXTG. GYP. BD.	PAINT		REPLACE EXTG. FLOORING W/ NEW
102	HALLWAY	CARPET TILE	4" RUBBER	NONE	EXTG. BRICK / GLASS	NONE	GLASS	NONE	BRICK / GYP. BD.	PAINT GYP. BD.	GLASS	NONE	GYP. BD.	PAINT		
103	CONF.	CARPET TILE	4" RUBBER	NONE	GYP. BD. / GLASS	PAINT GYP. BD.	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT		
104	UNI-SEX	2"x2" THICK-SET TILE		NONE	GYP. BD.	PAINT / TILE	GYP. BD.	PAINT / TILE	GYP. BD.	PAINT / TILE	GYP. BD.	PAINT / TILE	GYP. BD.	PAINT		
105	UNI-SEX	THICK-SET TILE	TILE	NONE	GYP. BD.	PAINT / TILE	GYP. BD.	PAINT / TILE	GYP. BD.	PAINT / TILE	GYP. BD.	PAINT / TILE	GYP. BD.	PAINT		
106	COM.	ANTI-STATIC VCT	4" RUBBER	NONE	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	OPEN TO STRUCTURE	PAINT		
107	PASSAGE	CARPET TILE	4" RUBBER	NONE	OPPEN	NONE	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	LAY-IN AC PANEL	PAINT		
108	MCH / ELEC	SEALED CONC.	4" RUBBER	NONE	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	OPEN TO STRUCTURE	PAINT		
109	LAB	SHEET VINYL	4" COVERED VINYL W/ ALUM. CAP	NONE	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	LAY-IN AC PANEL	NONE		
110	OFFICE	CARPET TILE	4" RUBBER	NONE	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	LAY-IN AC PANEL	NONE		
111	OFFICE	CARPET TILE	4" RUBBER	NONE	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	LAY-IN AC PANEL	NONE		
112	LAUNDRY	SHEET VINYL	4" COVERED VINYL W/ ALUM. CAP	NONE	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	LAY-IN AC PANEL	NONE		

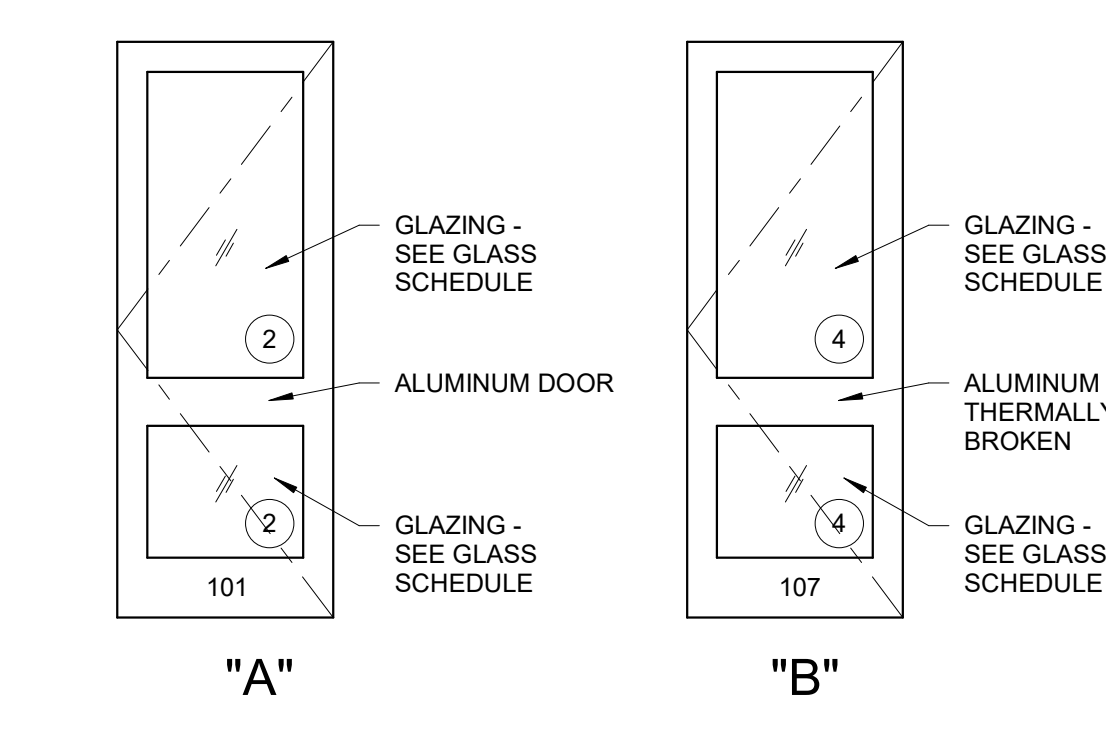
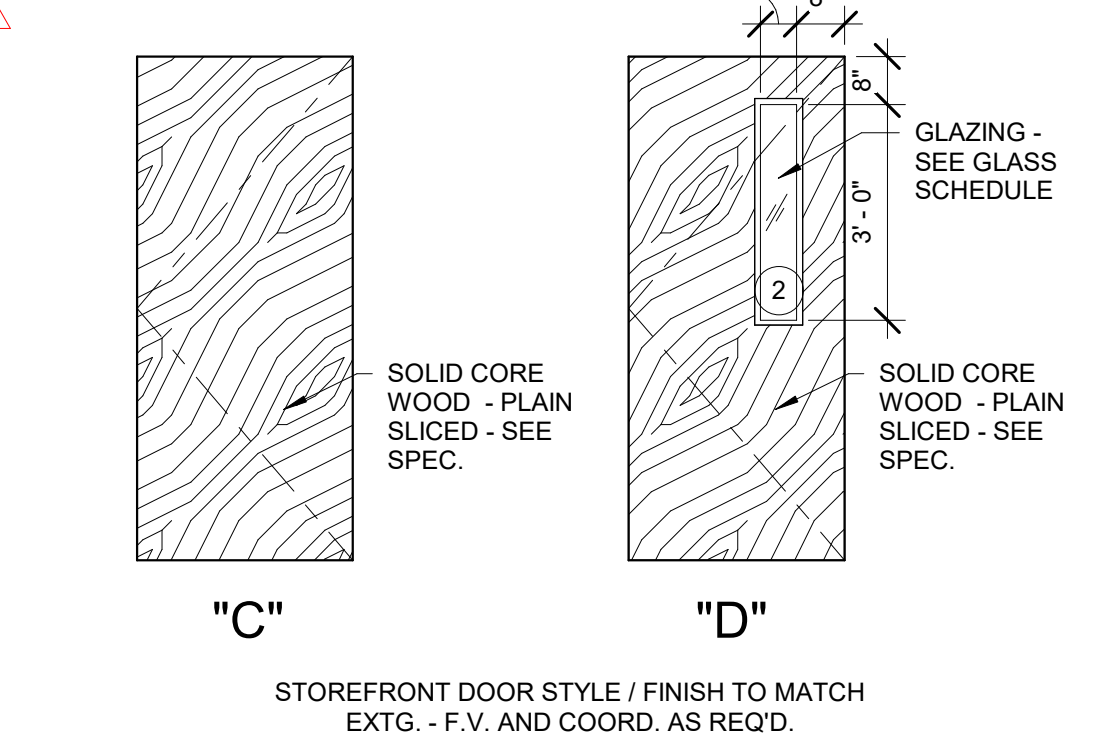
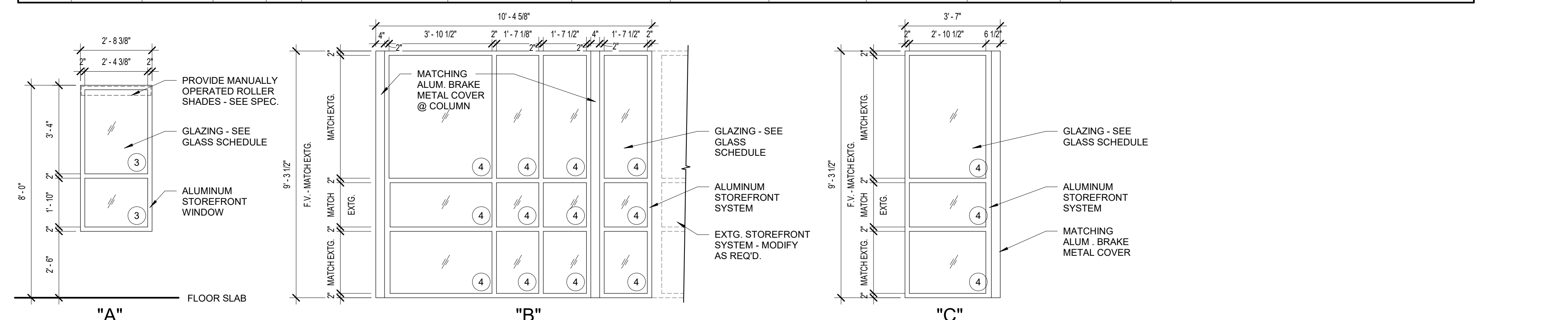
DOOR SCHEDULE

DOOR #	WIDTH	HEIGHT	DOOR TYPE	THICKNESS	MATERIAL	FINISH	FIRE RATING	HARDWARE	TYPE	MATERIAL	FINISH	FRAME (L) JAMB DETAIL	FRAME (R) JAMB DETAIL	FRAME HEAD DETAIL	THRESHOLD DETAIL	SIGNAGE TYPE	SIGNAGE TEXT	COMMENTS
101	3'-0"	8'-0"	A	2"	ALUMINUM	*BRONZE ANODIZE	NONE	2.0	A	ALUMINUM	*BRONZE ANODIZE	A2/AE-507	A5/AE-507 SIM.	A5/AE-507 SIM.	A5/AE-507 SIM.			* = F.V. - MATCH EXTG.
102	3'-0"	7'-0"	D	1 3/4"	S.C. WOOD	TRANSPARENT	NONE	6.0	D	HOLLOW METAL	PAINT	A5/AE-507 SIM.	A5/AE-507 SIM.	A5/AE-507 SIM.	D4/AE-507			
103	3'-0"	7'-0"	C	1 3/4"	S.C. WOOD	TRANSPARENT	NONE	5.0	D	HOLLOW METAL	PAINT	A5/AE-507 SIM.	A5/AE-507 SIM.	A5/AE-507 SIM.	B3/AE-505			
104	3'-0"	7'-0"	C	1 3/4"	S.C. WOOD	TRANSPARENT	NONE	7.0	D	HOLLOW METAL	PAINT	A3/AE-507 SIM.	A3/AE-507 SIM.	A3/AE-507 SIM.	A3/AE-507 SIM.			
105	3'-0"	7'-0"	C	1 3/4"	S.C. WOOD	TRANSPARENT	NONE	7.0	D	HOLLOW METAL	PAINT	A3/AE-507 SIM.	A3/AE-507 SIM.	A3/AE-507 SIM.	A3/AE-507 SIM.			
106	3'-0"	7'-0"	C	1 3/4"	S.C. WOOD	TRANSPARENT	NONE	8.0	C	HOLLOW METAL	PAINT	A3/AE-507	A1/AE-508	D3/AE-508				
107	3'-0"	8'-0"	B	2"	ALUMINUM	*BRONZE ANODIZE	NONE	1.0	B	ALUMINUM	*BRONZE ANODIZE	C1/AE-508	A1/AE-508	B3/AE-505	D2/AE-507			* = F.V. - MATCH EXTG.
108	3'-0"	7'-0"	C	1 3/4"	S.C. WOOD	TRANSPARENT	NONE	3.0	D	HOLLOW METAL	PAINT	A5/AE-507 SIM.	A5/AE-507 SIM.	A5/AE-507 SIM.	D4/AE-507			
109	3'-0"	7'-0"	C	1 3/4"	S.C. WOOD	TRANSPARENT	NONE	4.0	D	HOLLOW METAL	PAINT	A5/AE-507 SIM.	A5/AE-507 SIM.	A5/AE-507 SIM.	D4/AE-507			
110	3'-0"	7'-0"	D	1 3/4"	S.C. WOOD	TRANSPARENT	NONE	6.0	D	HOLLOW METAL	PAINT	A5/AE-507 SIM.	A5/AE-507 SIM.	A5/AE-507 SIM.	D4/AE-507			
111	3'-0"	7'-0"	D	1 3/4"	S.C. WOOD	TRANSPARENT	NONE	8.0	D	HOLLOW METAL	PAINT	A5/AE-507 SIM.	A5/AE-507 SIM.	A5/AE-507 SIM.	D4/AE-507			
112	3'-0"	7'-0"	E	1 3/4"	HOLLOW METAL	PAINT	NONE	3.0	E	HOLLOW METAL	PAINT	A5/AE-507 SIM.	A5/AE-507 SIM.	A5/AE-507 SIM.	D4/AE-507			INSULATED DOOR

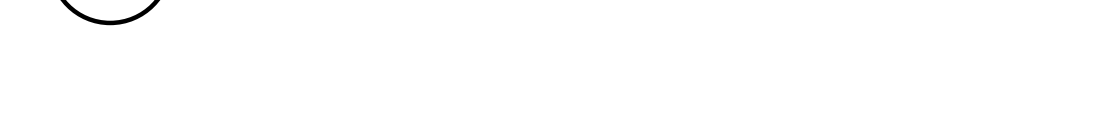


WINDOW SCHEDULE

MARK	WINDOW FRAME									GLAZING	OPERABLE	REMARKS
	SIZE WIDTH	SIZE HGT	(R.O.) THK	TYPE	MATERIAL	FINISH	HEAD DETAIL	JAMB(R) DETAIL	JAMB(L) DETAIL			
101	SEE WINDOW TYPES	4'-1/2"	A	ALUM. / STOREFRONT	*BRONZE ANODIZE	B4/AE-503	B2/AE-507	B2/AE-507	A4/AE-503	SEE TYPES	NO	* = F.V. - MATCH EXTG. - PROVIDE ROLLER SHADES
102	SEE WINDOW TYPES	4'-1/2"	B	ALUM. / STOREFRONT	*BRONZE ANODIZE	C3/AE-504	B2/AE-507	B2/AE-507	A3/AE-504	SEE TYPES	NO	* = F.V. - MATCH EXTG.
103	SEE WINDOW TYPES	4'-1/2"	C	ALUM. / STOREFRONT	*BRONZE ANODIZE	C3/AE-504 SIM.	D1/AE-507	A1/AE-507	A3/AE-504 SIM.	SEE TYPES	NO	* = F.V. - MATCH EXTG.



DOOR TYPES LEGEND



GLASS SCHEDULE

#	DESCRIPTION
1.	1/4" CLEAR ANNEALED GLASS
2.	1/4" CLEAR ANNEALED TEMPERED GLASS
3.	1" INSULATED LOW-E GLASS - OUTSIDE LITE TO BE 1/4" ANNEALED GLASS (COLOR TO MATCH EXTG. WINDOWS), LOW-E COATING ON #2 SURFACE, 1/2" AIR SPACE, INSIDE LITE TO BE 1/4" CLEAR ANNEALED GLASS - GLASS IS TO BE EQUAL TO PPG "SOLARBAN 70XL" SOLAR CONTROL LOW-E GLASS
4.	1" INSULATED LOW-E GLASS - OUTSIDE LITE TO BE 1/4" TEMPERED GLASS (COLOR TO MATCH EXTG. STOREFRONT), LOW-E COATING ON #2 SURFACE, 1/2" AIR SPACE, INSIDE LITE TO BE 1/4" CLEAR TEMPERED GLASS - GLASS IS TO BE EQUAL TO PPG "SOLARBAN 70XL" SOLAR CONTROL LOW-E GLASS

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PROFESSIONAL STAMP

CODE OFFICIAL STAMP

PROJECT NAME

OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/30/2020	CODE REVIEW REVISION

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #:

SPE PROJECT #:

DRAWN BY:

CHECKED BY:

DESIGNED BY:

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FINISH / DOOR & WINDOW SCHEDULES

SHEET NUMBER: **AE-601**


DISCLAIMER:
NOTE THAT THE VIEWS ON THIS SHEET ARE FOR A GRAPHICAL, VISUAL REPRESENTATION OF THE BUILDING ONLY. NOT ALL ITEMS/VIEWS ARE COMPLETELY ACCURATE AND DETAILED - ALL OTHER CONSTRUCTION DOCUMENTS SHALL TAKE PRECEDENCE OVER WHAT IS SHOWN HERE. NO BIDDING OR CONSTRUCTION DECISIONS ARE TO BE MADE OFF OF THESE REPRESENTATIONS

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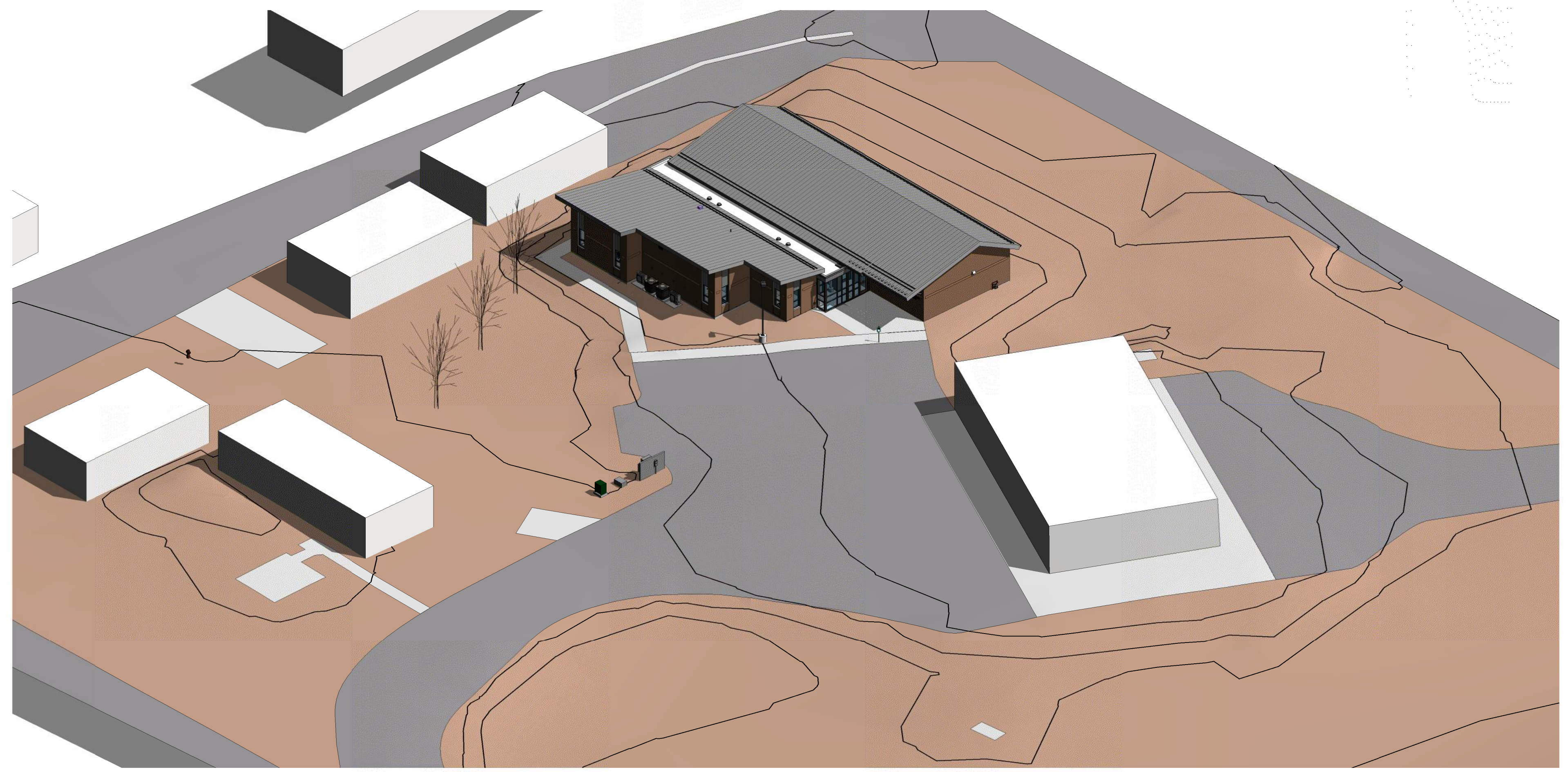
NO.	DATE	DESCRIPTION
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OWNER PROJECT #: 20419520
SPE PROJECT #: 19-55
DRAWN BY: GTE
CHECKED BY: SPE
DESIGNED BY: SPE

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SHEET TITLE:
IMAGES

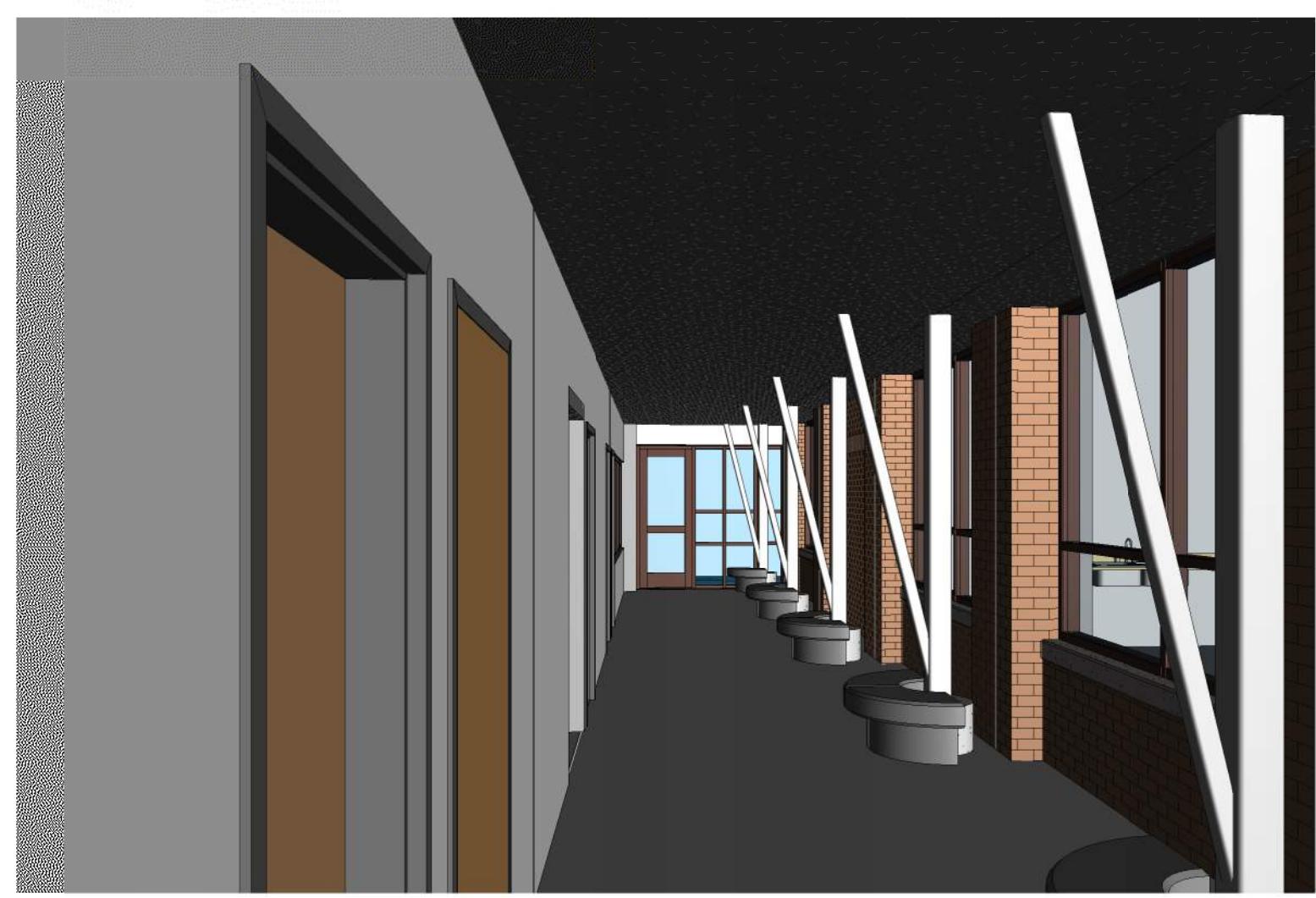
SHEET NUMBER:
AE-901



4 SITE 3D - AERIAL VIEW



3 HALLWAY TO EAST



2 HALLWAY TO WEST



1 PERSP - S/E

Last Plotted: 9/12/2020 9:45:20 AM



SOUTH-WEST CORNER OF EXISTING BUILDING



SOUTH SIDE OF THE EXISTING BUILDING



CLICKABLE LINK TO AERIAL VIDEO



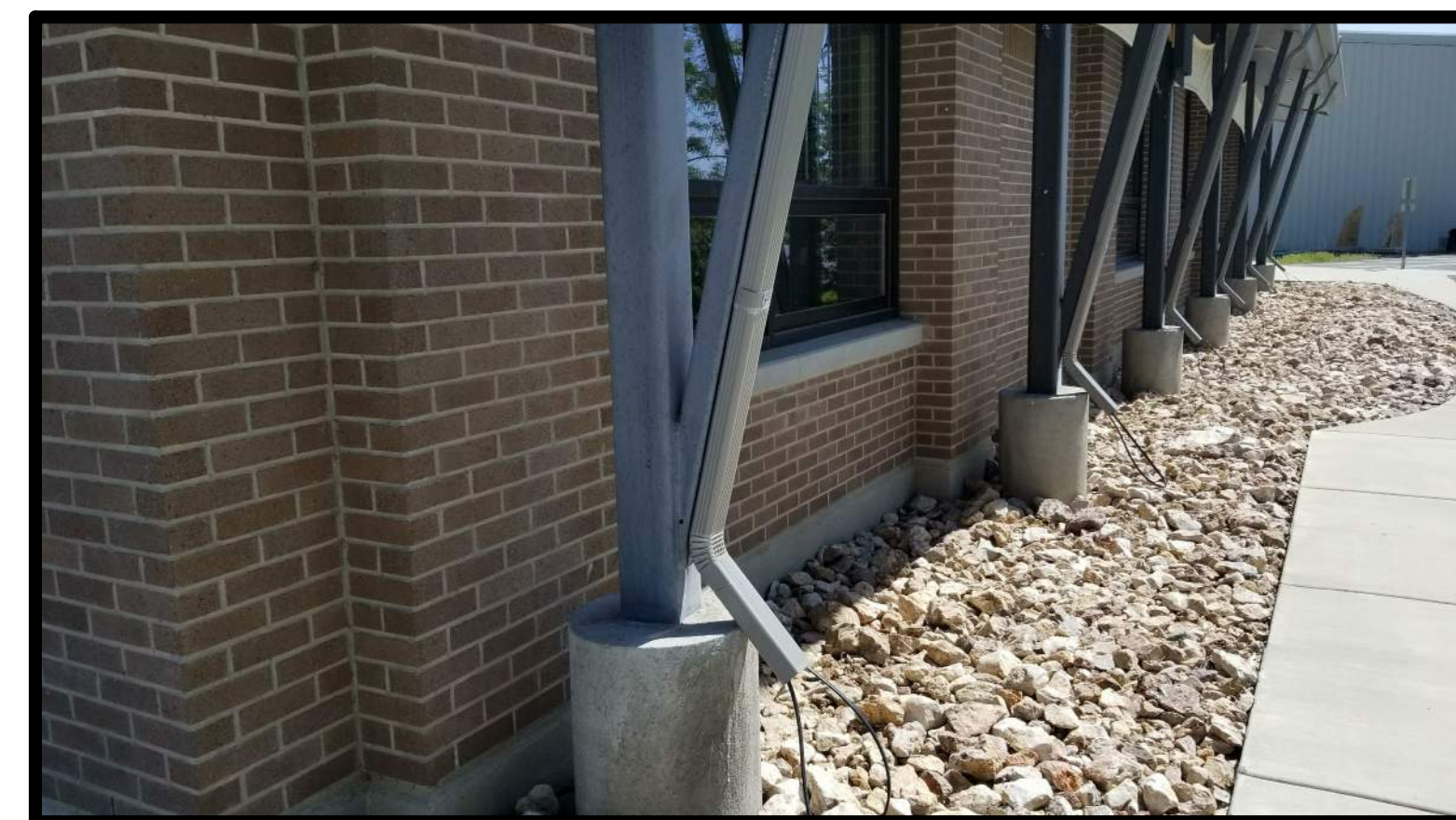
OWNER PROVIDED MONUMENTS THAT ARE TO BE INTEGRATED INTO THE NEW LANDSCAPING - SEE LANDSCAPE DRAWINGS



VIEW LOOKING DOWN THE SOUTH FACE OF THE EXISTING BUILDING SHOWING THE EXISTING ROOF OVERHANG THAT IS TO BE CUT OFF



SOUTH-WEST CORNER OF EXISTING BUILDING



EXISTING COLUMNS / CONCRETE PIERS ON THE SOUTH SIDE OF THE EXISTING BUILDING



SOUTH-EAST CORNER OF EXISTING BUILDING



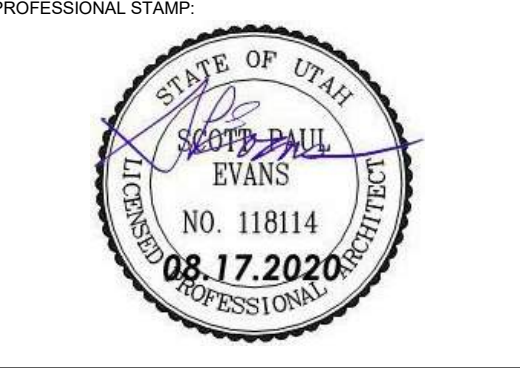
SOFFIT CONDITION AT THE MAIN ENTRANCE TO THE EXISTING BUILDING



AERIAL VIEW - EAST SIDE OF EXISTING BUILDING



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 SHEET TITLE:
IMAGES

SHEET NUMBER:
AE-902

**BUILDING REQUIREMENTS
GENERAL NOTES:**

- A. See Plumbing Rough-In Plan for requirements for drains, water, gas and refrigeration lines.
- B. See Electrical Rough-In Plan for requirements for outlets, junction boxes, loads, voltages, and phases.
- C. See Mechanical and Electrical Plans for requirements of ventilation systems.
- D. Verify blocking requirements with suppliers for those items not provided by Kitchen Equipment Contractor.
- E. All dimensions are to be field verified for compliance prior to fabrication/installation. All Dimensions shown are critical and are from finished wall.
- F. See Plumbing, Electrical and Mechanical Plans for further information and requirements.

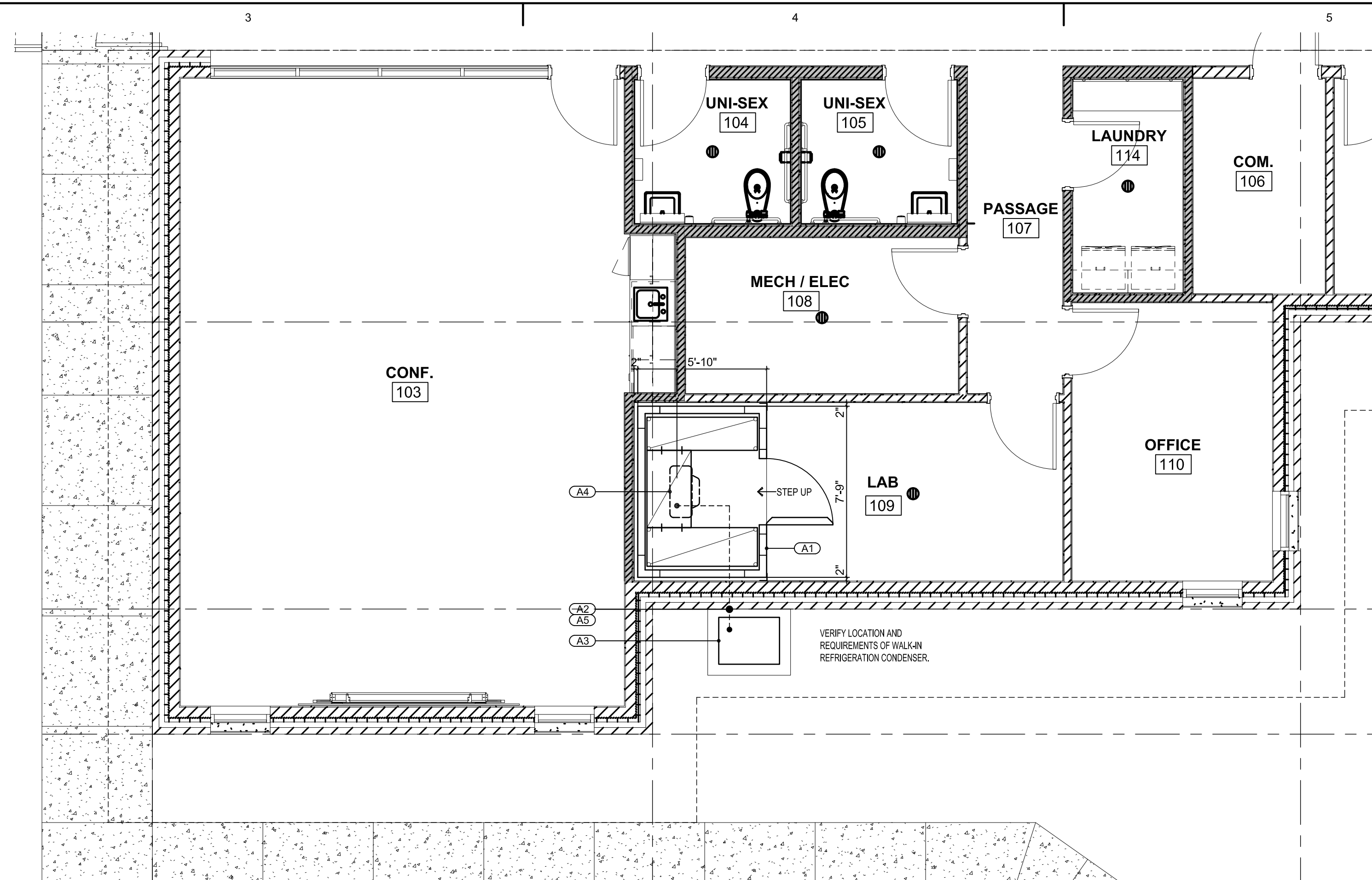
BUILDING REQUIREMENT SCHEDULE

BUILDING REQUIREMENTS ARE TO BE PROVIDED AS PART OF THE GENERAL CONTRACT EXCEPT AS NOTED

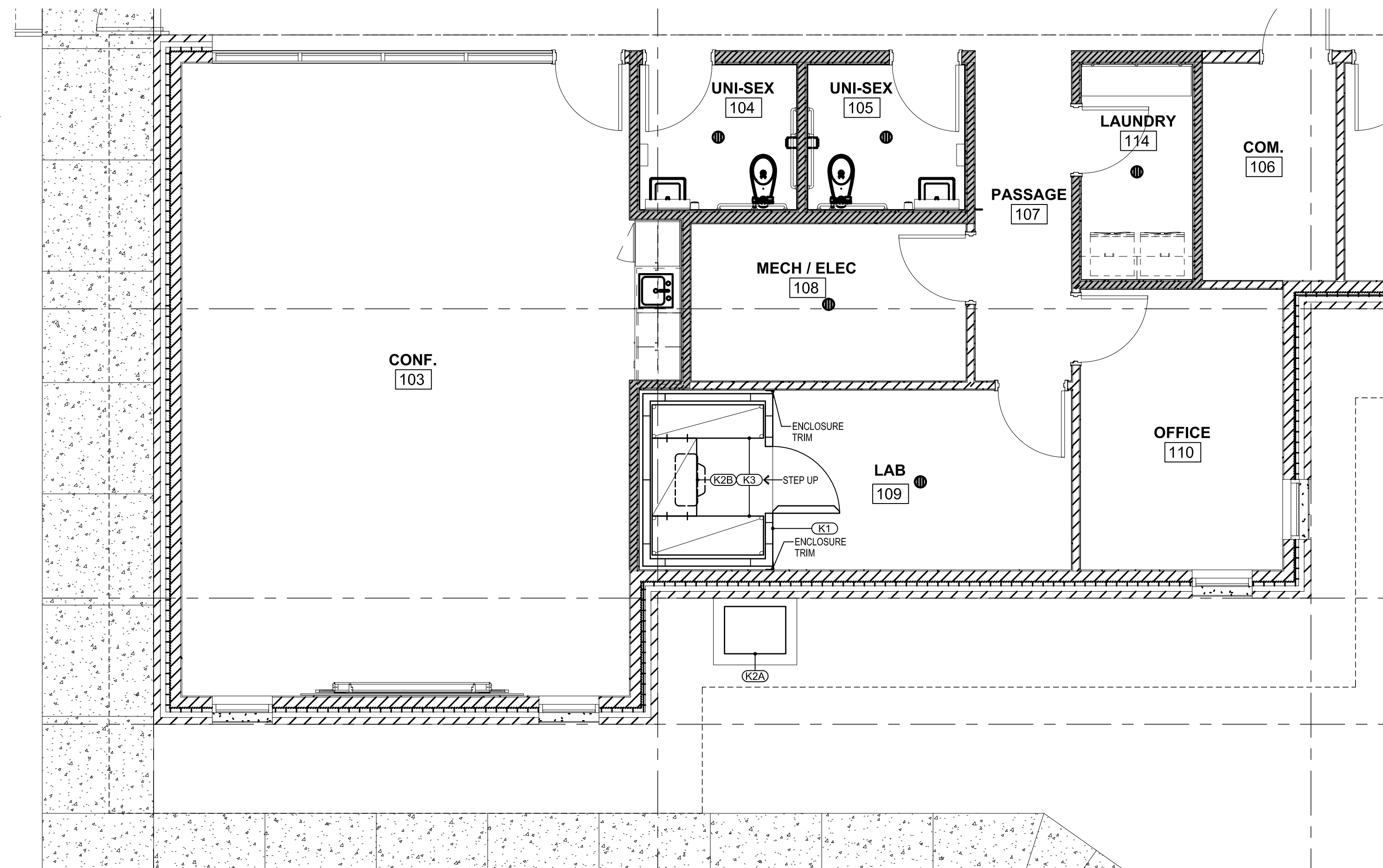
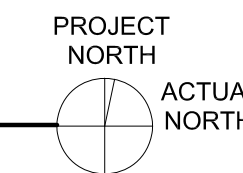
- (A1) WALK-IN COOLER BOX SET ON RAISED CONCRETE SUB FLOOR, G.C. TO PROVIDE FINISHED FLOOR AND COVE BASE TO RAISED SLAB AT EXPOSED WALL PANELS AND AT INTERIOR OF WALK-IN BOX
 - (A2) G.C. TO PROVIDE FLOOR AND WALL CHASES IN BUILDING FOR REFRIGERATION LINES FROM WALK-IN BOXES TO REMOTE REFRIGERATION UNIT AT EXTERIOR WALL. PENETRATE WALL AT HEIGHT REQUIRED TO CONNECT TO UNIT WITH MINIMAL EXTERIOR REFRIGERATION LINES. VERIFY LOCATION AND SIZE WITH REFRIGERATION INSTALLER. G.C. TO FILL IN CHASE OPENINGS AFTER REFRIGERATION LINES ARE INSTALLED.
 - (A3) REMOTE REFRIGERATION CONDENSER BY K.E.C. MOUNTED TO CONCRETE PAD ON MOUNTING SKIDS PROVIDED WITH CONDENSER K.E.C. TO COORDINATE WITH G.C. FOR PAD SIZE AND FOR ALL REQUIRED CLEARANCES.
 - (A4) EVAPORATOR COILS BY K.E.C. MOUNTED FROM CEILING AT WALK-IN BOX.
 - (A5) REFRIGERATION LINE RUN FROM EVAPORATOR COIL TO REMOTE CONDENSER AT EXTERIOR WALL BY K.E.C. RUN ABOVE WALK-IN CEILING TO EXTERIOR WALL AND DROP DOWN AS REQUIRED FOR WALL PENETRATION. PROVIDE SUPPORT AS REQUIRED. VERIFY LOCATION AND ROUTE.
- G.C.: GENERAL CONTRACTOR
K.E.C.: KITCHEN EQUIPMENT CONTRACTOR

SCHEDULE: FOOD SERVICE EQUIPMENT

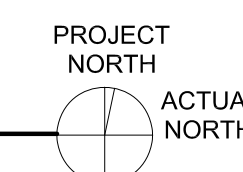
ITEM	QTY	UNIT	DESCRIPTION
#K-01	1	EACH	WALK-IN COOLER BOX
#K-02A	1	SYS	COOLER REFRIGERATION SYSTEM: CONDENSER
#K-02B	1	EACH	COOLER REFRIGERATION SYSTEM: EVAPORATOR COIL
#K-03	1	LOT	WALK-IN SHELVING



F2 Level 1 - New Food Service Building Requirement Equipment Plan
1/4" = 1'-0"



F1 Level 1 - New Food Service Equipment Plan
1/4" = 1'-0"



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SPE PROJECT #: 19-55
DRAWN BY: RCJ
CHECKED BY: SPE
DESIGNED BY: RCJ

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SHEET TITLE:
**FOOD SERVICE
EQUIPMENT
PLANS**

SHEET NUMBER:
FS-101

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ELECTRICAL NOTES

- ELECTRICAL PLAN SHOWS ROUGH-IN POINTS AND SCHEDULED CONNECTIONS. KITCHEN EQUIPMENT CONTRACTOR WILL PROVIDE DIMENSIONED ROUGH-IN DRAWINGS FOR CONSTRUCTION.
- ELECTRICAL SYSTEM IS DESIGNED FOR 120/208 VOLTS, 1&3 PHASE, 60 HERTZ, 4 WIRE SYSTEM.
- ELECTRICAL DIVISION SHALL FURNISH AND INSTALL ALL JUNCTION BOXES, RECEPTACLES, COVER PLATES, PULL BOXES, CONDUIT AND WIRING EXCEPT WHERE NOTED. RECEPTACLES AND COVER PLATES SHALL BE BRUSHED STAINLESS STEEL FURNISHED BY ELECTRICAL DIVISION.
- ADDITIONAL CONVENIENCE RECEPTACLES, TELEPHONE AND INTERCOM JACKS AND TEMPERATURE MONITORING SYSTEM ETC. SHALL BE LOCATED BY THE ELECTRICAL ENGINEER/ ARCHITECT AND AS REQUIRED BY CODE.
- PRE-FABRICATED COLD STORAGE ROOMS ARE FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR COMPLETE WITH SPLICE BOXES, LIGHT FIXTURES, LAMPS, LIGHT SWITCHES AND DOOR HEATERS. ELECTRICAL DIVISION TO INSTALL SAME AND SHALL FURNISH AND INSTALL INTERCONNECTING CONDUIT, WIRING SEALOFFS, SEALANT AND MAKE FINAL CONNECTIONS.
- ELECTRICAL DIVISION SHALL FURNISH AND INSTALL ALL INTERCONNECTING CONDUIT AND WIRING BETWEEN KITCHEN EQUIPMENT CONTRACTOR FURNISHED LOW TEMP COLD STORAGE ROOM EVAPORATOR TERMINAL BLOCK, SWITCH, FAN DOOR SWITCH AND COMPRESSOR CONTROL PANEL.

NOTE: WALK-IN ELECTRICAL

ALL CONDUIT SHALL BE RUN ON THE EXTERIOR CEILING OF ALL COLD STORAGE ROOMS AND SHALL PENETRATE THE CEILING AT A POINT WHERE THE CONDUIT CAN DROP DIRECTLY TO THE POINT OF CONNECTION. UNDER NO CIRCUMSTANCES, WILL ELECTRICAL CONDUIT BE PERMITTED ON THE INTERIOR.

ELECTRICAL ROUGH-IN/FINAL CONNECTION SCHEDULE

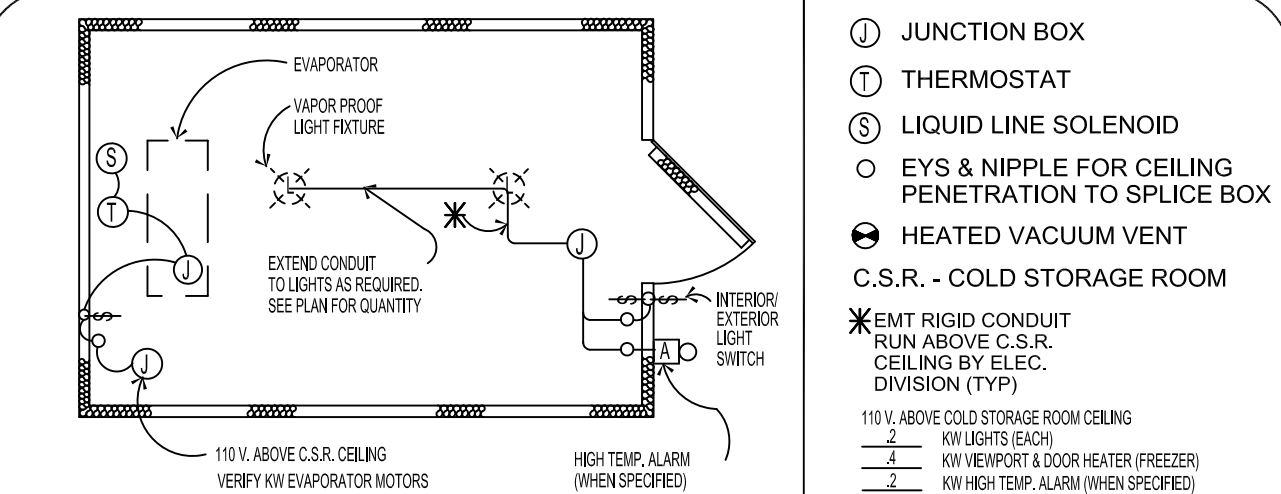
ROUGH-IN REQUIREMENTS		CONNECTION REQUIREMENTS			REMARKS			
R#	ROUGH-IN TYPE	HGT.	ITEM #	EQUIPMENT DESCRIPTION	VLY/CYC/PH	LOAD	CONN	REMARK
E-01	JUNCTION BOX	VER	#K2A	REFRIGERATION SYS: CONDENSER	230/60/1	5.7 AMP	J-BOX	VERIFY LOCATION OF REMOTE UNIT IN CEILING PLENUM
E-02	JUNCTION BOX	DFA	#K2B	REFRIGERATION SYS: EVAPORATOR COIL	115/60/1	0.8 AMP	J-BOX	INTERCONNECT CONTROLS WITH REMOTE CONDENSER
E-03	JUNCTION BOX	DFA	#K1	WALK-IN COOLER: LIGHTS AND HEATER	115/60/1	2 AMP	J-BOX	INTERCONNECT (1) LIGHT.
E-04	OUTLET	DFA	#K2B	EVAP CONTROLLER	120/60/1	1 AMP	C&P	RUN CORD AND PLUG THROUGH CEILING OF WALK-IN BOX. SEAL PENETRATION.
E-05	DATA OUTLET	DFA	#K2B	EVAP CONTROLLER	-	-	-	RUN CABLE THROUGH CEILING OF WALK-IN BOX. SEAL PENETRATION

DFA: DROP FROM ABOVE
 J-BOX: JUNCTION BOX CONNECTION
 C&P: CORD AND PLUG CONNECTION

AMP: AMPERES
 HP: HORSE POWER

ELECTRICAL LEGEND

- ⊕ ELECTRICAL OUTLET
- ⊕ JUNCTION BOX
- ⊕ CONVENIENCE DUPLEX RECEPTACLE
- ⊕ DROP FROM ABOVE



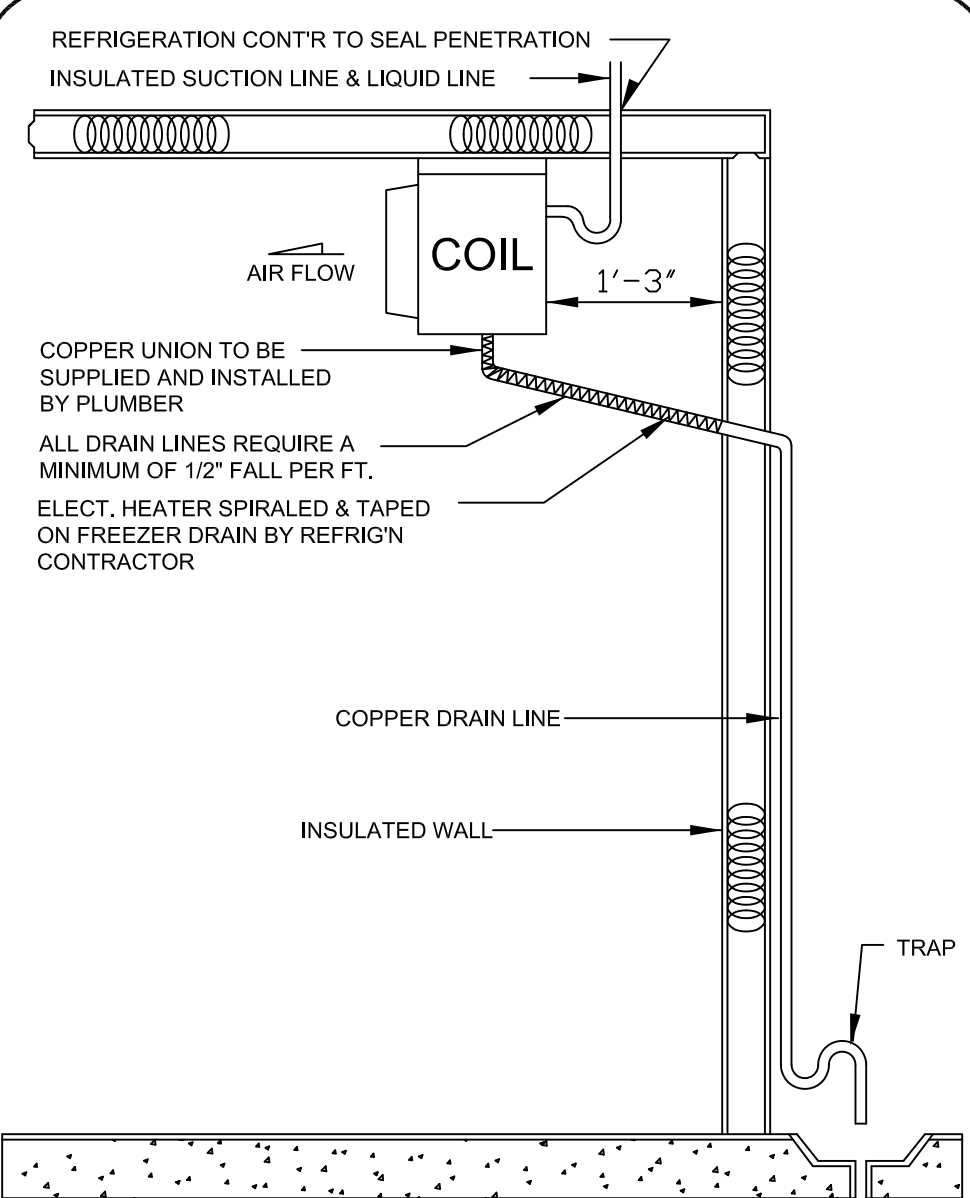
- REFRIGERATOR**
- NOTES:**
- LIGHT FIXTURES, SWITCH BOXES, SWITCHES, & SPLICE BOXES ARE FURNISHED LOOSE WITH COLD STORAGE ROOMS. ELECTRICAL DIVISION TO INSTALL ALL ITEMS FURNISHED LOOSE INCLUDING ALL INTERCONNECTING CONDUIT & WIRING.
 - EVAPORATORS FOR COLD STORAGE ROOM ARE FURNISHED & INSTALLED COMPLETE WITH ROOM THERMOSTAT, LIQUID LINE SOLENOID & DISCONNECT SWITCH. ELECTRICAL DIVISION TO PROVIDE INTERCONNECTING CONDUIT & WIRING FROM BUILDING SERVICE TO ALL COMPONENTS.
 - ELECTRICAL DIVISION TO PROVIDE ALL BUILDING SERVICES INCLUDING J-BOXES, INTERCONNECTING CONDUIT & WIRING FROM BUILDING SERVICE TO COMPONENTS.
 - EYS FITTING FURNISHED WITH COLD STORAGE ROOMS. ELECTRICAL DIVISION TO INSTALL, WIRE & SEAL BY ACCEPTED INDUSTRY PRACTICE.
 - STAINLESS STEEL ESCUTCHEON PLATES & HOLES THROUGH INSULATED PANELS ARE FURNISHED WITH COLD STORAGE ROOM. ELECTRICAL DIVISION TO SEAL ALL PENETRATIONS WITH CAULKING ON THE C.S.R. INTERIOR & EXTERIOR AND INSTALL INTERIOR & EXTERIOR ESCUTCHEON PLATES.
 - EVAPORATOR FAN MOTORS FOR REFRIGERATORS RUN CONTINUOUSLY. DO NOT WIRE INTERNALLY WITH THERMOSTAT. EVAPORATOR FAN MOTORS FOR FREEZERS CYCLE WITH FREEZER DEFROST.

TYPICAL COLD STORAGE ROOM ELEC. DIAGRAM

PLUMBING ROUGH-IN/FINAL CONNECTION SCHEDULE

ROUGH-IN REQUIREMENTS		CONNECTION REQUIREMENTS			REMARKS			
R#	ROUGH-IN TYPE	SIZE	HGT	ITEM #	EQUIPMENT DESCRIPTION	SIZE	HGT	REMARK
P-01	FLOOR SINK	2"	+0"	A	#K2B : REFRIGERATION SYS: EVAPORATOR COIL	3/4"	+78"	HALF GRATE TOP. NOTE #1.

NOTE #1: PROVIDE INDIRECT AIR GAP DRAIN TO FLOOR SINK.



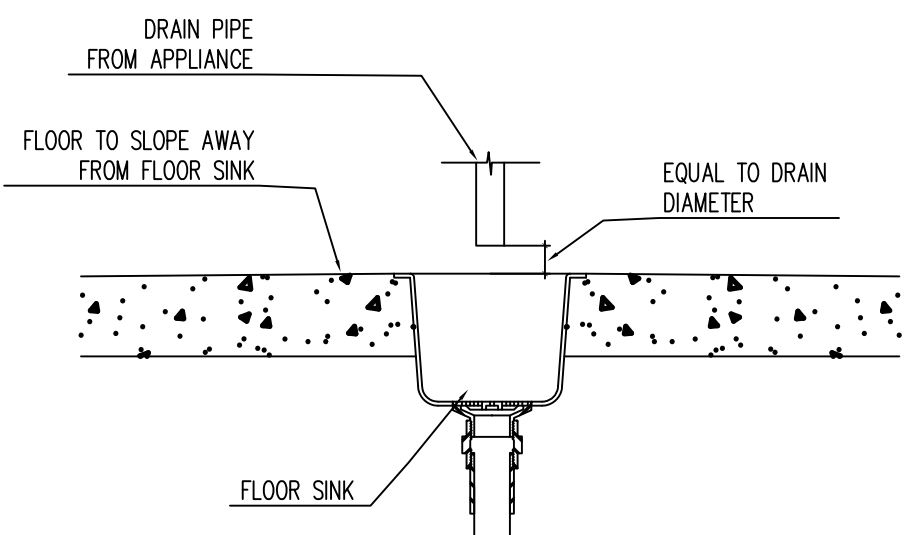
CONDENSATE DRAIN (TYPICAL)

NOTE: PLUMBING COORDINATION

KITCHEN EQUIPMENT CONTRACTOR TO VERIFY AND COORDINATE PROPER LOCATION AND SIZE OF GENERAL CONTRACTOR FURNISHED STRUCTURAL PENETRATIONS AND PLUMBING DIVISION FURNISHED SLEEVES THRU FLOOR.

PLUMBING NOTES

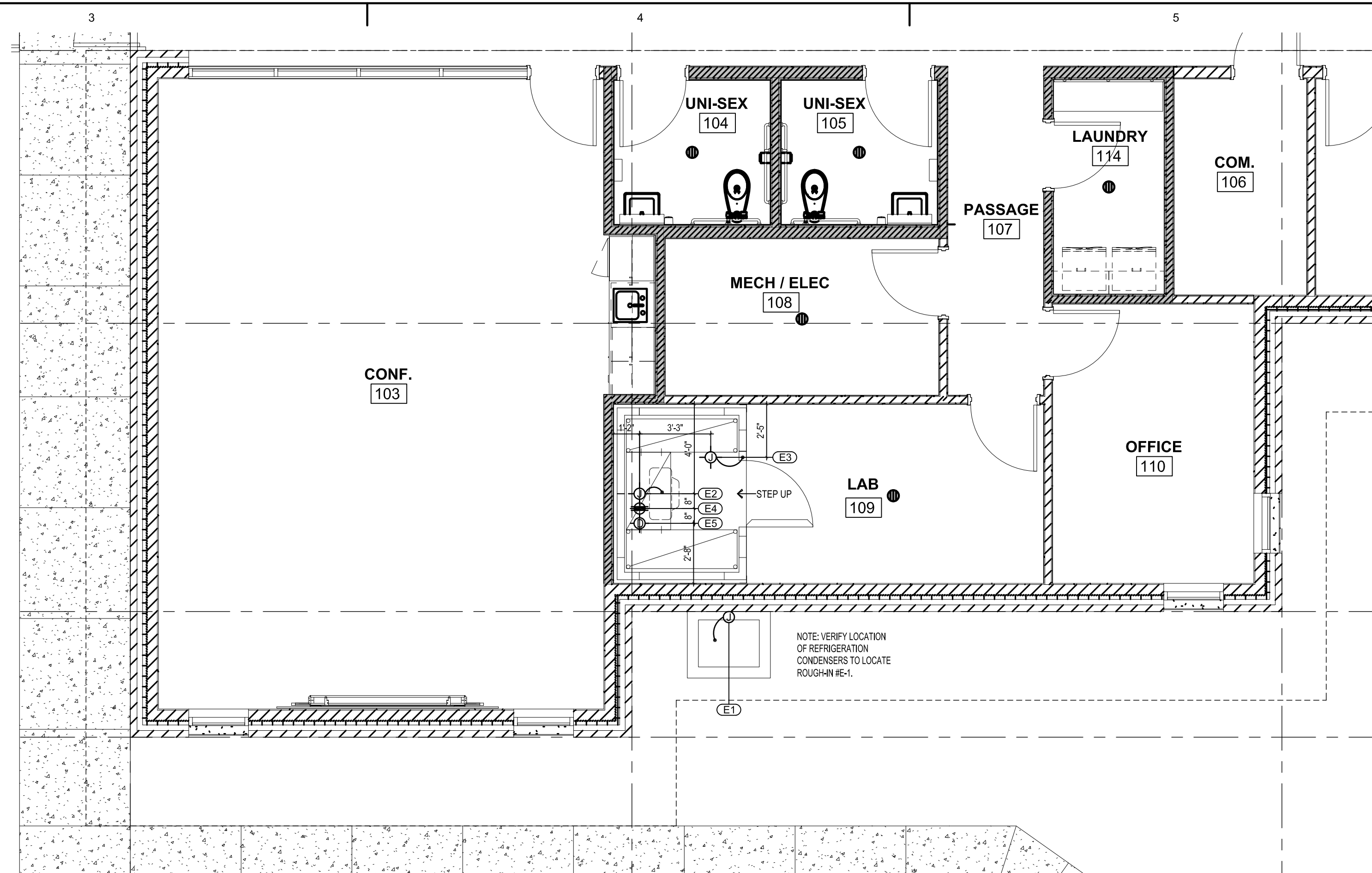
- PLUMBING PLANS SHOW ROUGH-IN POINTS AND SCHEDULED CONNECTIONS. KITCHEN EQUIPMENT CONTRACTOR WILL PROVIDE DIMENSIONED ROUGH-IN DRAWING FOR CONSTRUCTION.
- PLUMBING DIVISION SHALL FURNISH AND INSTALL ALL NECESSARY VALVES, TRAPS, TAIL PIECES, LINE STRAINERS, WATER PRESSURE REDUCING VALVES AND VACUUM BREAKERS AND CONNECT ALL WATER, FUEL GAS, STEAM AND WASTE LINES TO FOOD SERVICE AND BEVERAGE EQUIPMENT.
- PLUMBING DIVISION SHALL FURNISH AND INSTALL ALL FLOOR SINKS AND INDIRECT WASTE LINES TO FLOOR SINKS.
- PLUMBING DIVISION TO PROVIDE ADEQUATE CLEAN-OUT FOR DRAIN LINES.
- FLOOR SINKS SHALL BE INSTALLED FLUSH WITH FINISH FLOOR OR PER LOCAL CODE WITH REMOVABLE GRATE COVER AS INDICATED.
- FLOOR DRAINS INDICATED ARE FOR FOOD AND BEVERAGE AREAS ONLY. ADDITIONAL GENERAL PURPOSE AREA DRAINS SHALL BE LOCATED BY THE PLUMBING ENGINEER/ ARCHITECT.



FLOOR SINK SECTION DETAIL

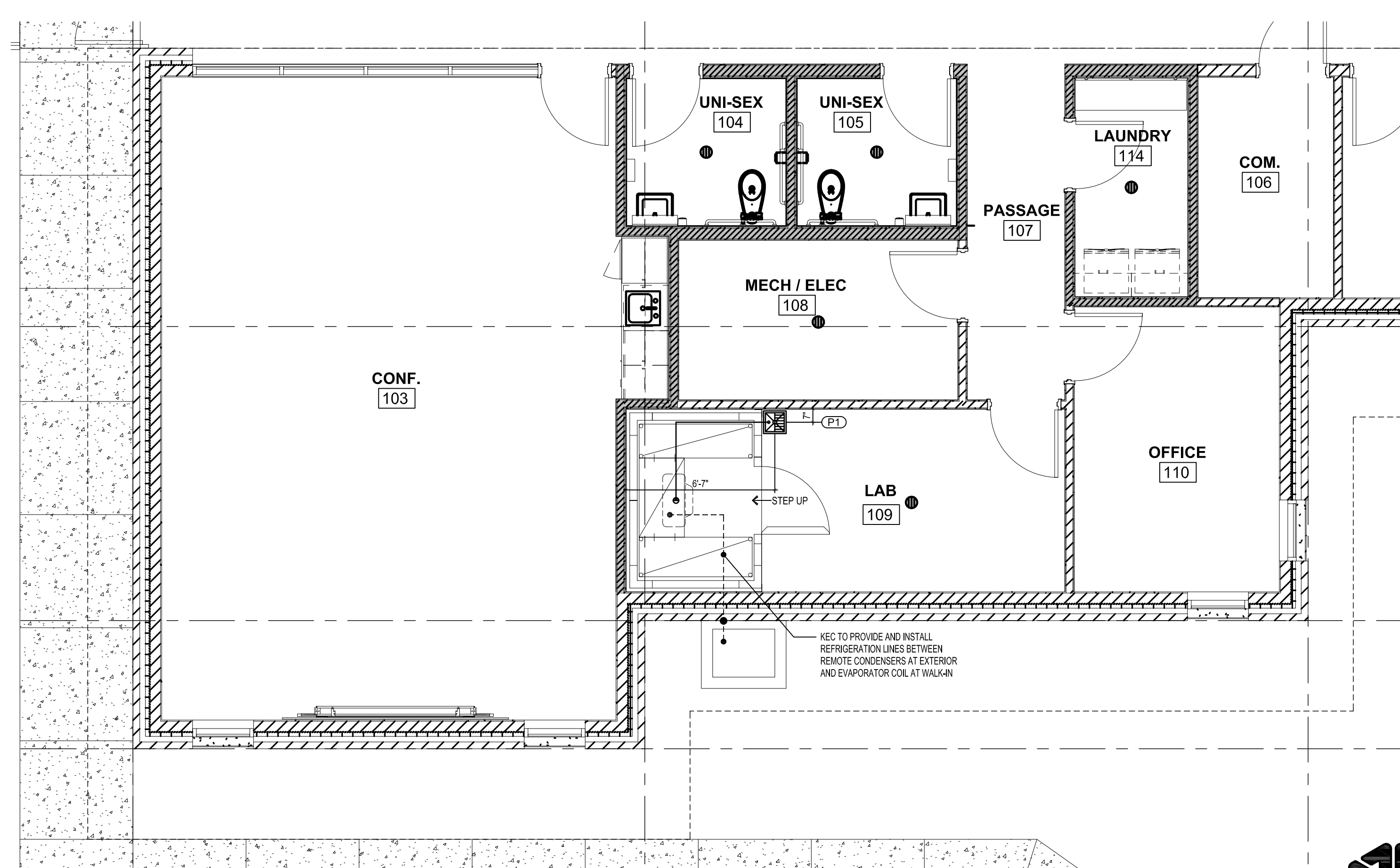
PLUMBING LEGEND

- ⊕ INDIRECT WASTE DRAIN
- ⊕ FLOOR SINK WITH 1/2 GRATE COVER



F4 Level 1 - New Food Service Electrical Requirement Equipment Plan

1/4" = 1'-0"



F3 Level 1 - New Food Service Equipment Plumbing Requirement Plan

1/4" = 1'-0"

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 DESIGNED BY: RCJ

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SHEET TITLE:
FOOD SERVICE EQUIPMENT PLUMBING & ELECTRICAL REQUIREMENT PLANS

SHEET NUMBER:
FS-102

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 Salt Lake City, Utah 84105
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 Rcj@JedrzewskiDesigns.com

MECHANICAL LEGEND

SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION
GENERAL TERMINOLOGY			AIR SIDE		
		SECTION LETTER DESIGNATION			EXISTING AIR DUCT TO BE REMOVED
		SECTION DRAWN ON THIS SHEET			EXISTING AIR DUCT TO REMAIN
		DETAIL NUMBER DESIGNATION CORRESPONDING WITH GRID LOCATION			NEW AIR DUCT
		MECHANICAL EQUIPMENT DESIGNATION			RECT TO RECT AIR DUCT TAKE-OFF
		EQUIPMENT ITEM DESIGNATION			RECT TO RND AIR DUCT TAKE-OFF
		REGISTER, GRILLE OR DIFFUSER DESIGNATION WITH BALANCING CFM LISTED BELOW			RND TO RND AIR DUCT TAKE-OFF
		GRILLE OR LOUVER DESIGNATION WHERE BALANCING NOT REQUIRED			MEDIUM PRESSURE TAKE-OFF
		REVISION DESIGNATOR AND NUMBER			FLEXIBLE AIR DUCT
		KEY NOTE DESIGNATOR AND NUMBER			LINED DUCT
	POC	POINT OF CONNECTION			RADIUS ELBOW
	POR	POINT OF REMOVAL			ECCENTRIC DUCT TRANSITION
AFF		ABOVE FINISHED FLOOR			CONCENTRIC DUCT TRANSITION
AP		ACCESS PANEL			VOLUME DAMPER
C EL.		CENTERLINE ELEVATION			SUPPLY AIR DIFFUSER
GC		GENERAL CONTRACTOR			RETURN & TRANSFER AIR GRILLE
MC		MECHANICAL CONTRACTOR			EXHAUST GRILLE OR CEILING EXH. FAN
ATC		CONTROLS CONTRACTOR			RETURN & OUTSIDE AIR DUCT UP/DN
EC		ELECTRICAL CONTRACTOR			RETURN & OA ROUND DUCT UP/DN
FPC		FIRE PROTECTION CONTRACTOR			SUPPLY AIR DUCT UP/DN
NIC		NOT IN CONTRACT			SUPPLY AIR ROUND DUCT UP/DN
NTS		NOT TO SCALE			EXHAUST AIR DUCT UP/DN
VCP		VITRIFIED CLAY PIPE			EXHAUST AIR ROUND DUCT UP/DN
C		COMMON		AP	ACCESS PANEL
NC		NORMALLY CLOSED			EXISTING EQUIPMENT TO BE REMOVED
NO		NORMALLY OPEN			EXISTING EQUIPMENT TO REMAIN
					NEW EQUIPMENT
					SUPPLY AIR
					RETURN AIR
					EXHAUST AIR
					OUTSIDE AIR
					MIXED AIR
					RELIEF AIR
					FLAT OVAL
		MVD			MOTORIZED VOLUME DAMPER
		BD			BACKDRAFT DAMPER
		FD			FIRE DAMPER
		SD			SMOKE DAMPER
		FS			FIRE & SMOKE DAMPER
		T-STAT			WALL MOUNTED THERMOSTAT
		S-STAT			WALL MOUNTED TEMP. SENSOR
		H-STAT			WALL MOUNTED HUMIDISTAT
		F-STAT			WALL MOUNTED FIRESTAT

GENERAL NOTES

G-1 - MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION OF THE EXISTING BUILDING AND SITE CONDITIONS, EXISTING PIPING, EXISTING ELECTRICAL, AND EXISTING SUPPORTS.

A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.

B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.

E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.

G-2 - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.

G-3 - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.

G-4 - THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.

G-5 - THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.

G-6 - MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.

G-7 - SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.

G-8 - PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.

G-9 - SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.

G-10 - PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.

G-11 - THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

G-12 - THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.

G-13 - C.F.M. LISTED IS ACTUAL AIR.

G-14 - SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.

G-15 - CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.

G-16 - ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2018 EDITION OF THE IMC AND IPC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

G-17 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND REFILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN REFILLING THE SYSTEM.

G-18 - ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

G-19 - PROVIDE FIRE SPRINKLER MODIFICATIONS PER PERFORMANCE SPECIFICATION THROUGH NICET LEVEL 3 CERTIFIED DESIGN BUILD FIRE SPRINKLER CONTRACTOR.

ARCHITECT'S INFORMATION

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PROFESSIONAL STAMP

CODE OFFICIAL STAMP

PROJECT NAME

OGDEN BAY
WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

REVISIONS

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

ISSUED:

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OWNER PROJECT #:	20419520
SPE PROJECT #:	19-55
DRAWN BY:	BR
CHECKED BY:	WP
DESIGNED BY:	BR

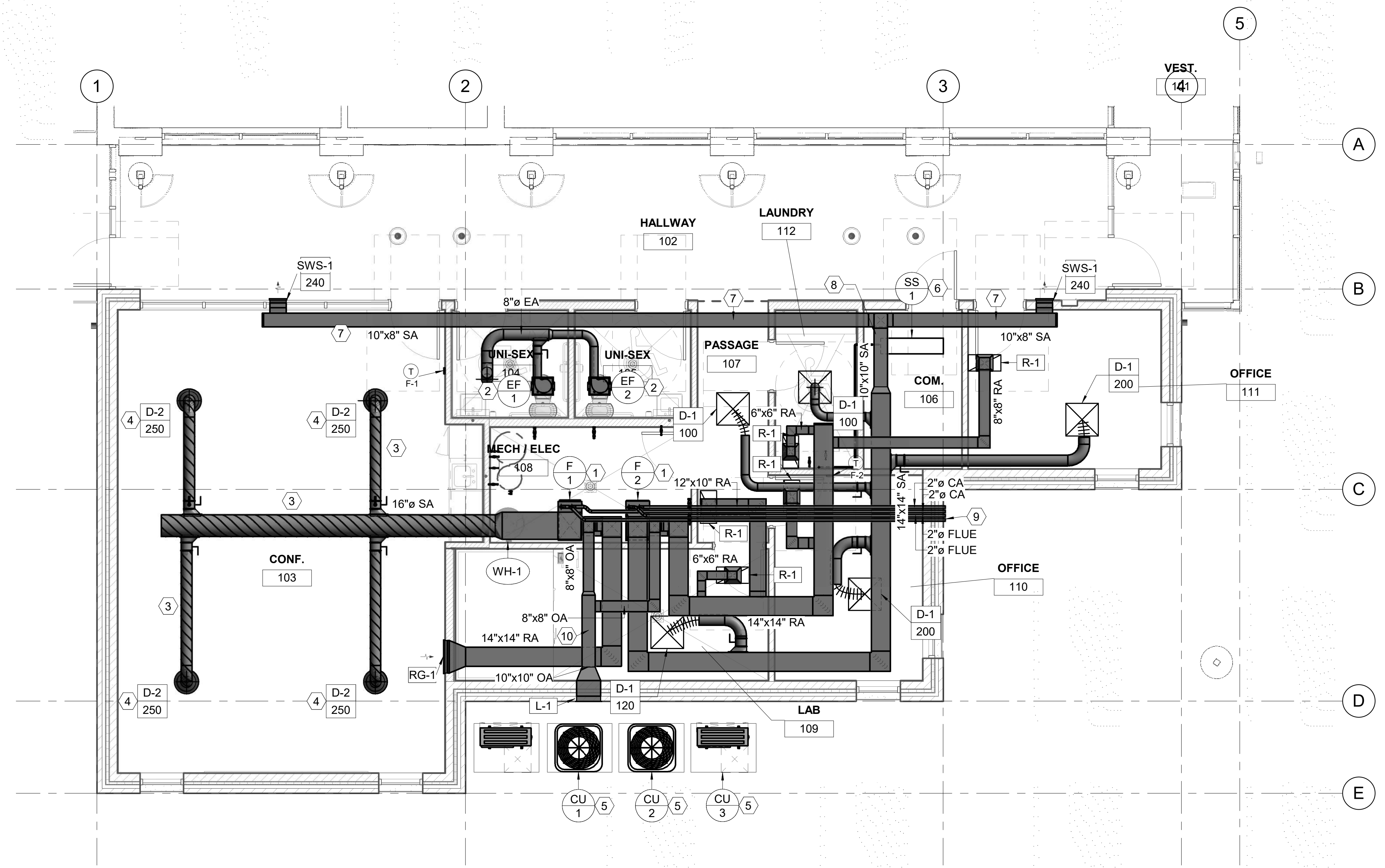
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SHEET TITLE

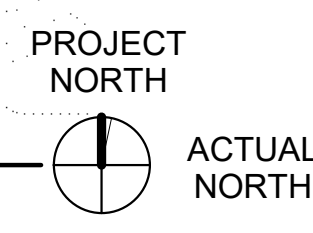
MECHANICAL
GENERAL NOTES
AND LEGEND

SHEET NUMBER

MG001



1 LEVEL 1 MECHANICAL PLAN
1/4" = 1'-0"



SHEET NOTES

- 1 PROVIDE A MANUAL DAMPER AND MOTORIZED DAMPER FOR FURNACE OUTSIDE AIR INLET. BALANCE TO CFM SHOWN ON FURNACE SCHEDULE.
- 2 PROVIDE EXHAUST FAN. SEE SCHEDULE FOR MEANS OF CONTROL. PROVIDE BACKDRAFT DAMPER. ROUTE EXHAUST DUCT UP TO PENTHOUSE ON ROOF. SEE ROOF PLAN FOR CONTINUATION.
- 3 ALL EXPOSED DUCTWORK SHALL BE SPIRAL ROUND AND PAINTED. COORDINATE PAINT COLOR WITH ARCHITECT.
- 4
- 5 PROVIDE GROUND MOUNTED CONDENSING UNIT IN THIS APPROXIMATE LOCATION. PROVIDE A MINIMUM OF 6" CONCRETE PAD. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ROUTE REFRIGERANT TO ASSOCIATED INDOOR EQUIPMENT. SEE MECHANICAL SCHEDULE FOR CLARIFICATION. INSTALL CLEAN STRAIGHT REFRIGERANT LINES. FIELD VERIFY BEST ROUTING.
- 6 PROVIDE INDOOR SPLIT SYSTEM UNIT FOR COMM ROOM ON THE WALL OF ELEVATED DUCT CHASE AT THIS APPROXIMATE LOCATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE WITH PLUMBING CONTRACTOR TO PROVIDE CONDENSATE PUMP. ROUTE CONDENSATE PER PLUMBING PLANS. ROUTE REFRIGERANT TO OUTDOOR UNIT.
- 7 ROUTE DUCT IN ELEVATED DUCT CHASE. COORDINATE WITH ARCHITECTURAL PLANS.
- 8 DUCT ENTERS AND DROPS DOWN INTO ELEVATED DUCT CHASE AT THIS APPROXIMATE LOCATION. COORDINATE WITH ARCHITECTURAL PLANS.
- 9 TERMINATE COMBUSTION AIR/FLUE PIPING WITH CONCENTRIC VENT KIT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- 10 ROUTE OUTSIDE AIR DUCT OUT TO LOUVER ON EXTERIOR WALL.

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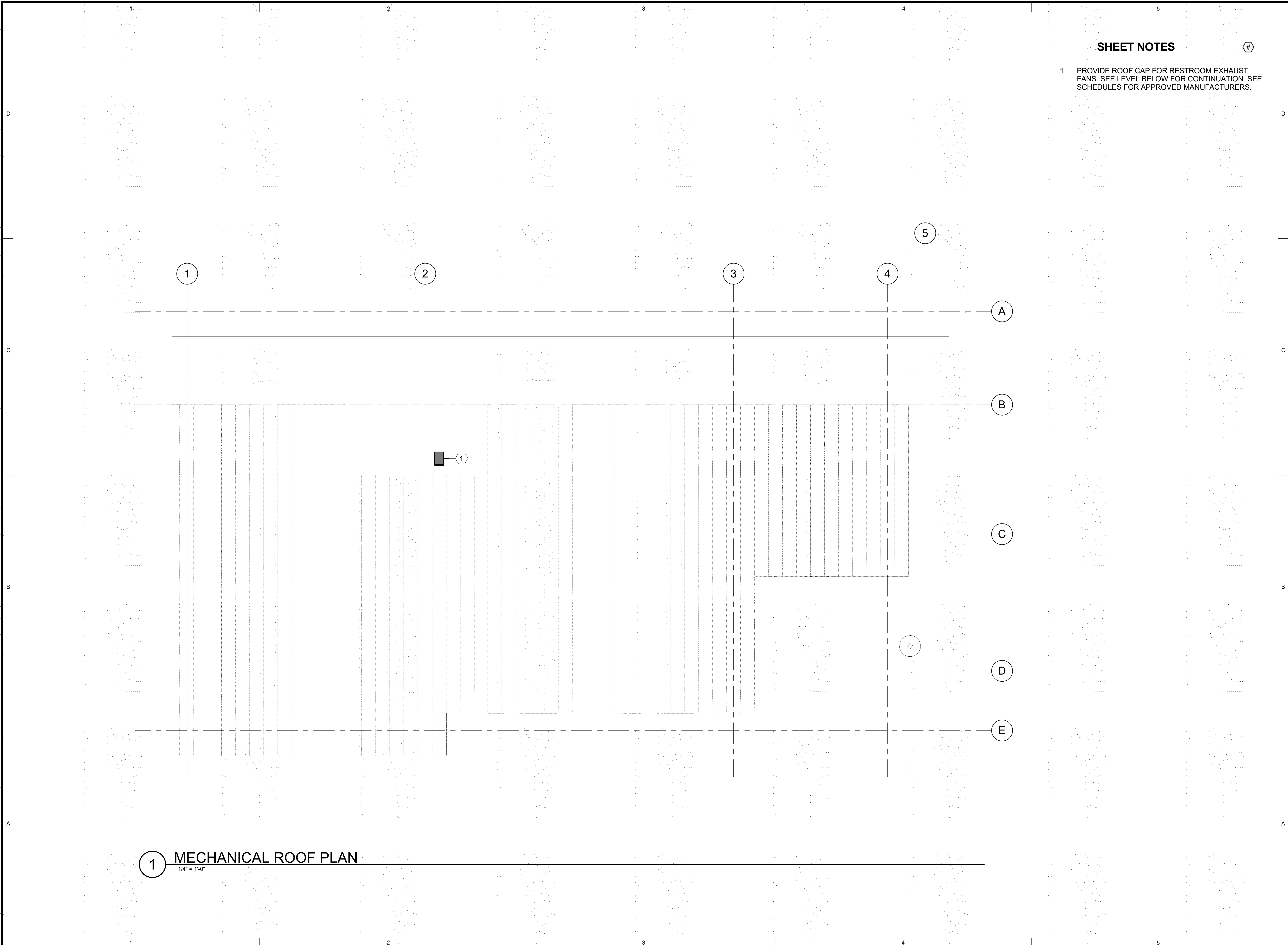
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SHEET TITLE:

**LEVEL 1
MECHANICAL
PLAN**

SHEET NUMBER:

M101



SHEET NOTES

- 1 PROVIDE ROOF CAP FOR RESTROOM EXHAUST FANS. SEE LEVEL BELOW FOR CONTINUATION. SEE SCHEDULES FOR APPROVED MANUFACTURERS.

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PROFESSIONAL STAMP

7/31/20
 WINWARD M.
 PACKER
 No. 375080
 STATE OF UTAH

CODE OFFICIAL STAMP

REVIEWED FOR
 CODE COMPLIANCE
 DATE: 08/14/2020

PROJECT NAME

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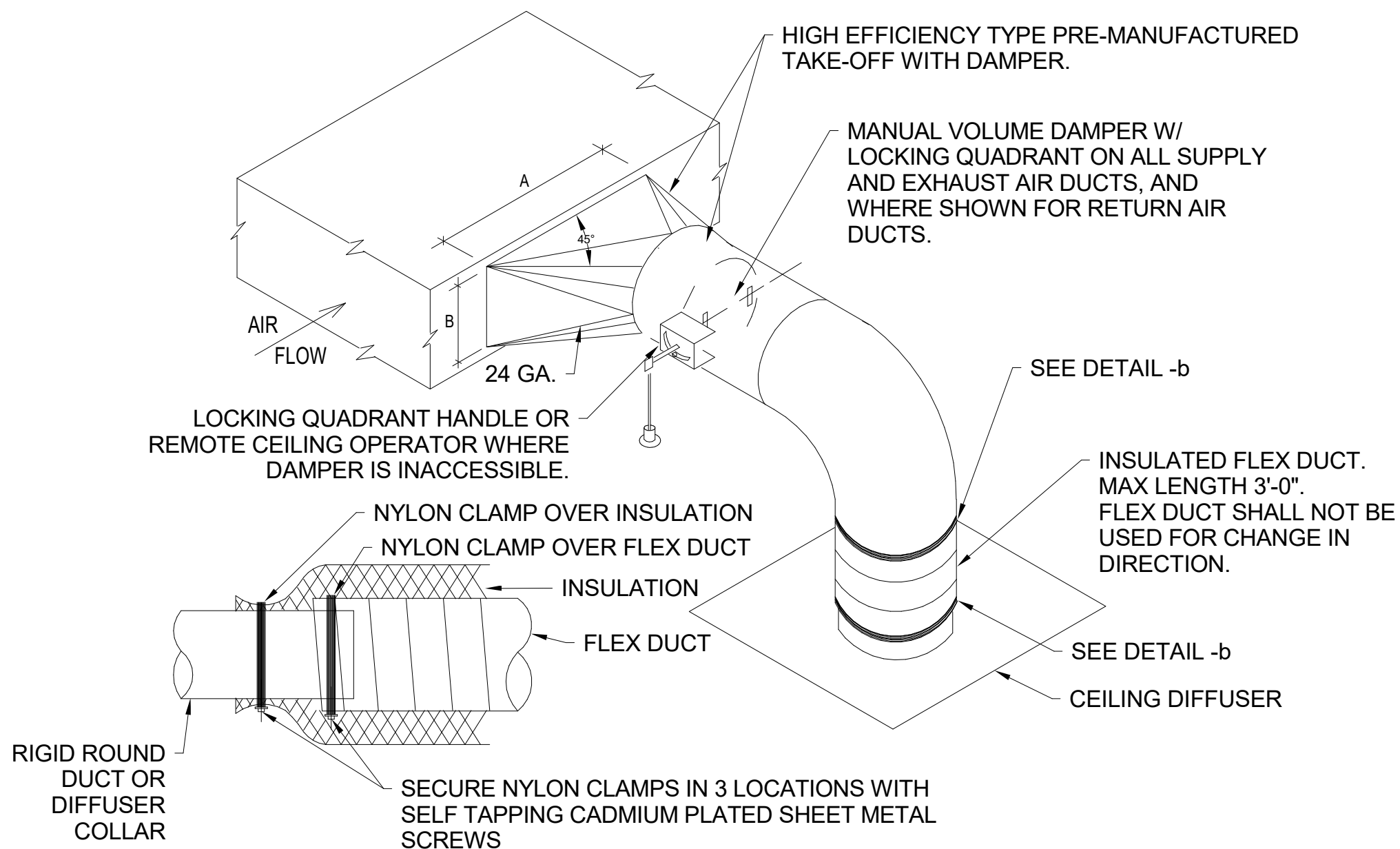
**MECHANICAL
 ROOF PLAN**

SHEET NUMBER

M102

1 MECHANICAL ROOF PLAN
 1/4" = 1'-0"

NOTES:
 1. TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER THAN TWO WIDTHS TO ELBOWS OR INTERSECTIONS
 2. AREA OF A x B SHALL BE EQUAL TO 1.5x AREA BRANCH DUCT

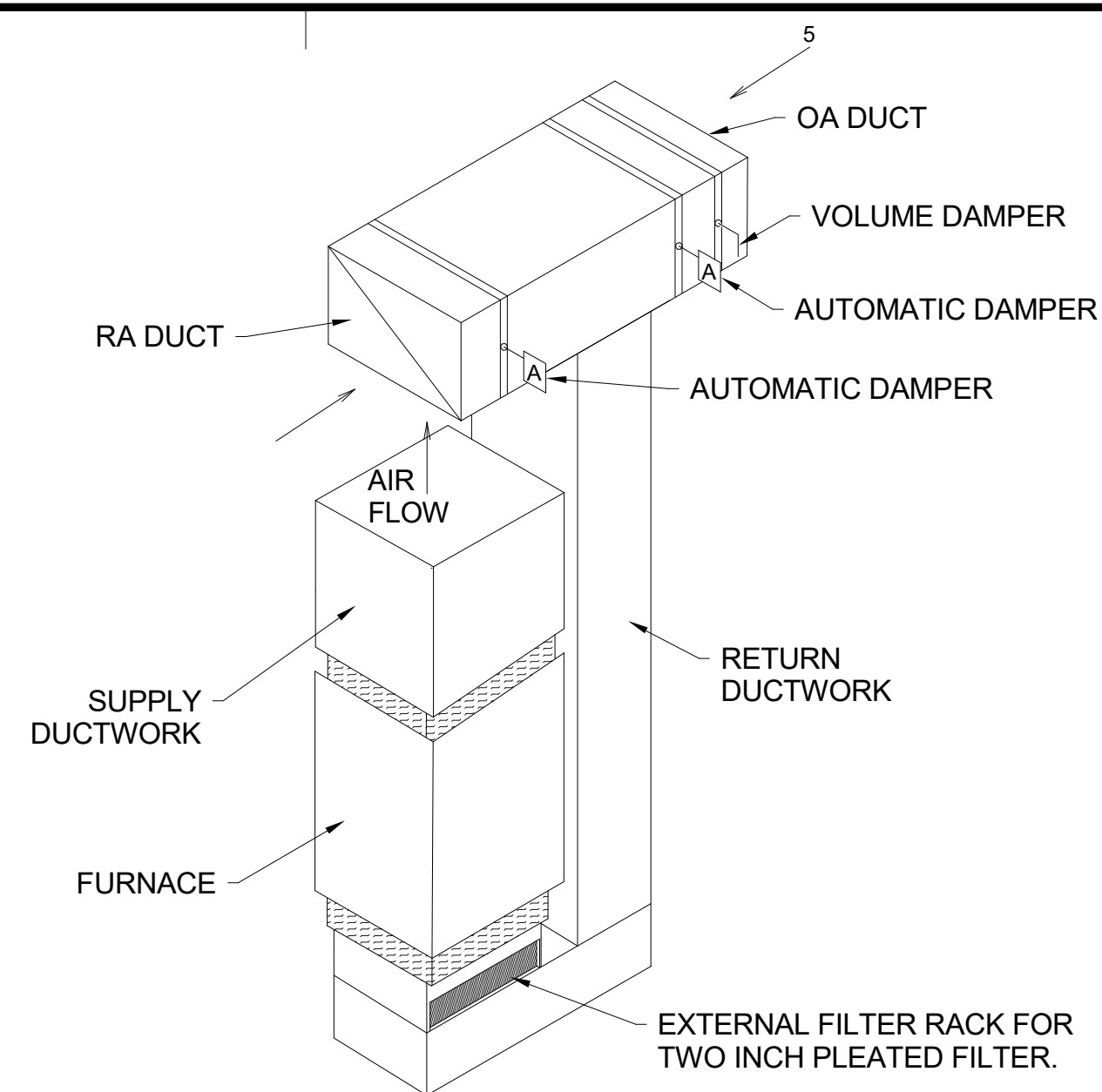


DETAIL -b

SCALE: NONE

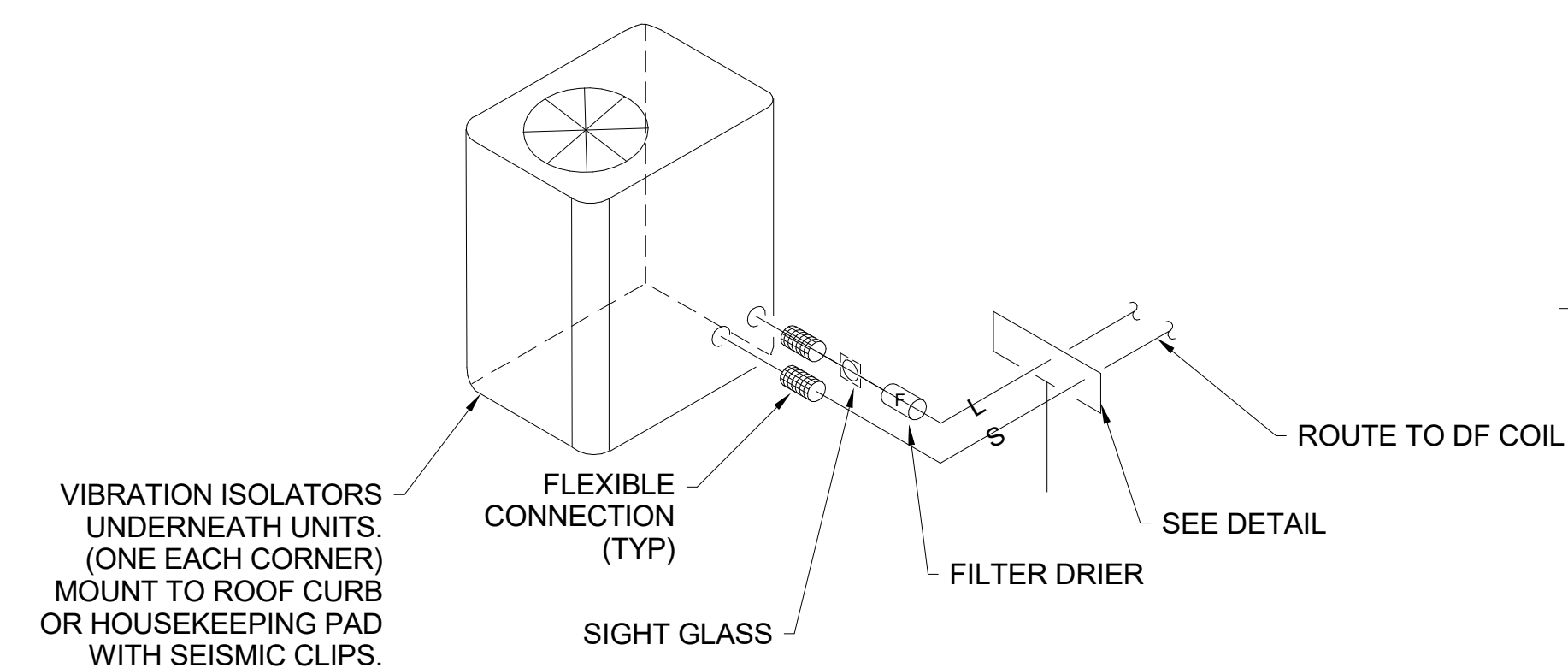
C3 SQUARE-TO-ROUND TAKE-OFF DETAIL

SCALE: NONE



UP FLOW FURNACE DETAIL

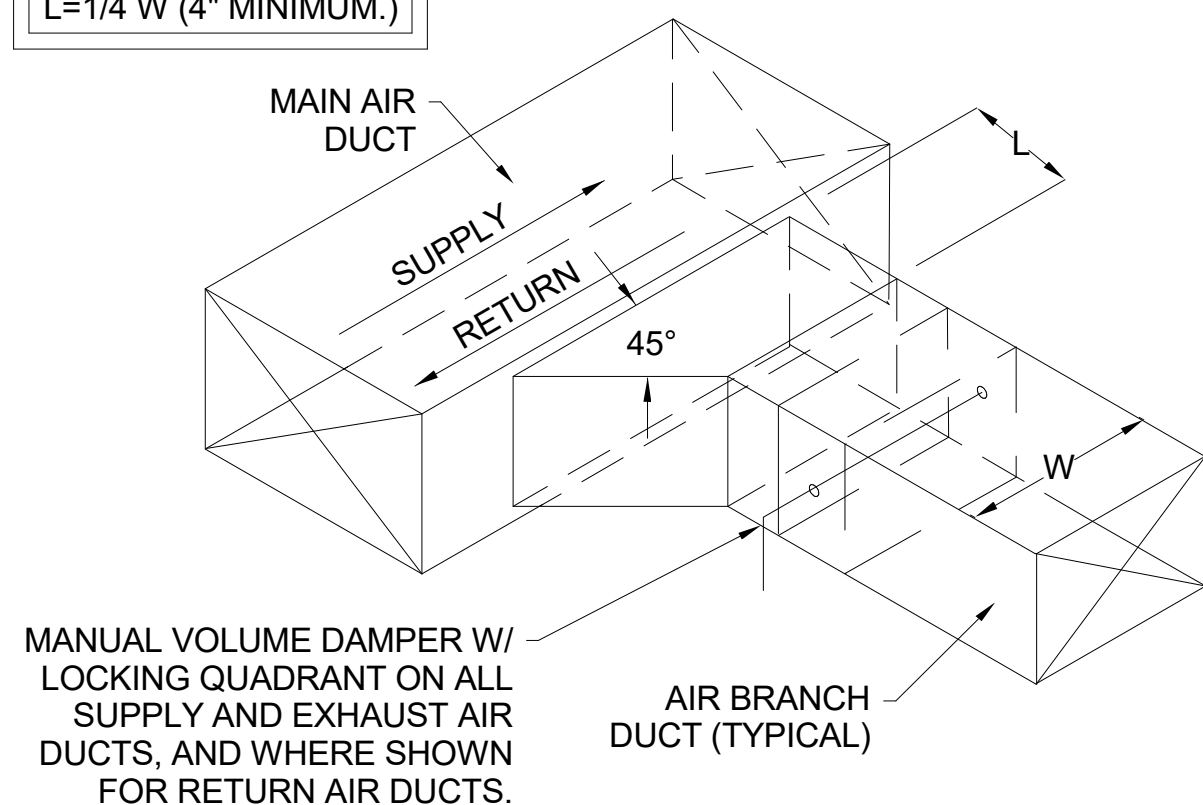
C4 SCALE: NONE



B4 TYPICAL AIR COOLED CONDENSING UNIT DETAIL

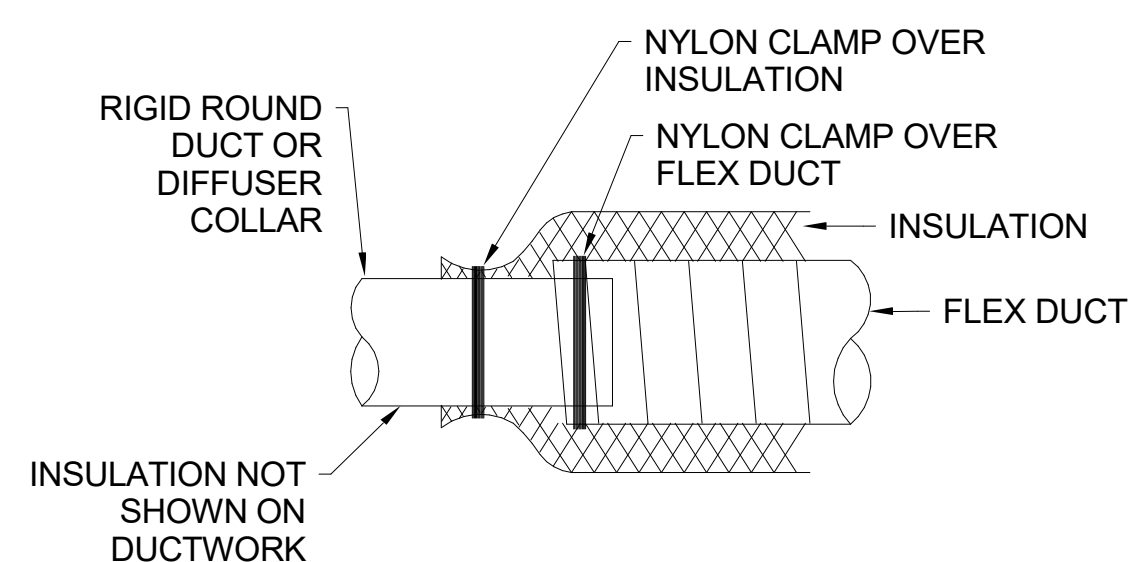
SCALE: NONE

NOTE:
 L=1/4 W (4" MINIMUM.)

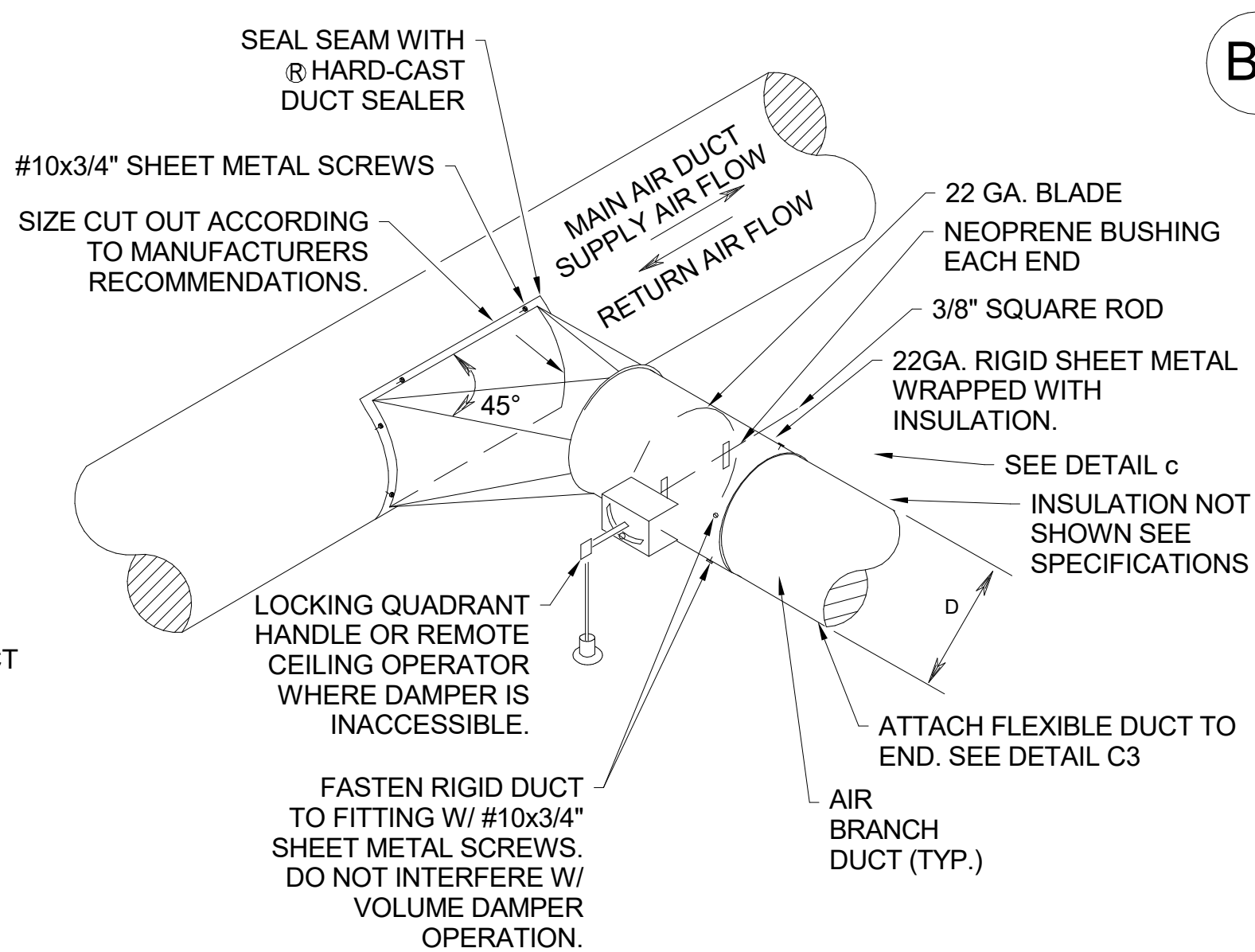


BRANCH DUCT TAKE-OFF & DAMPER DETAIL

A1 SCALE: NONE

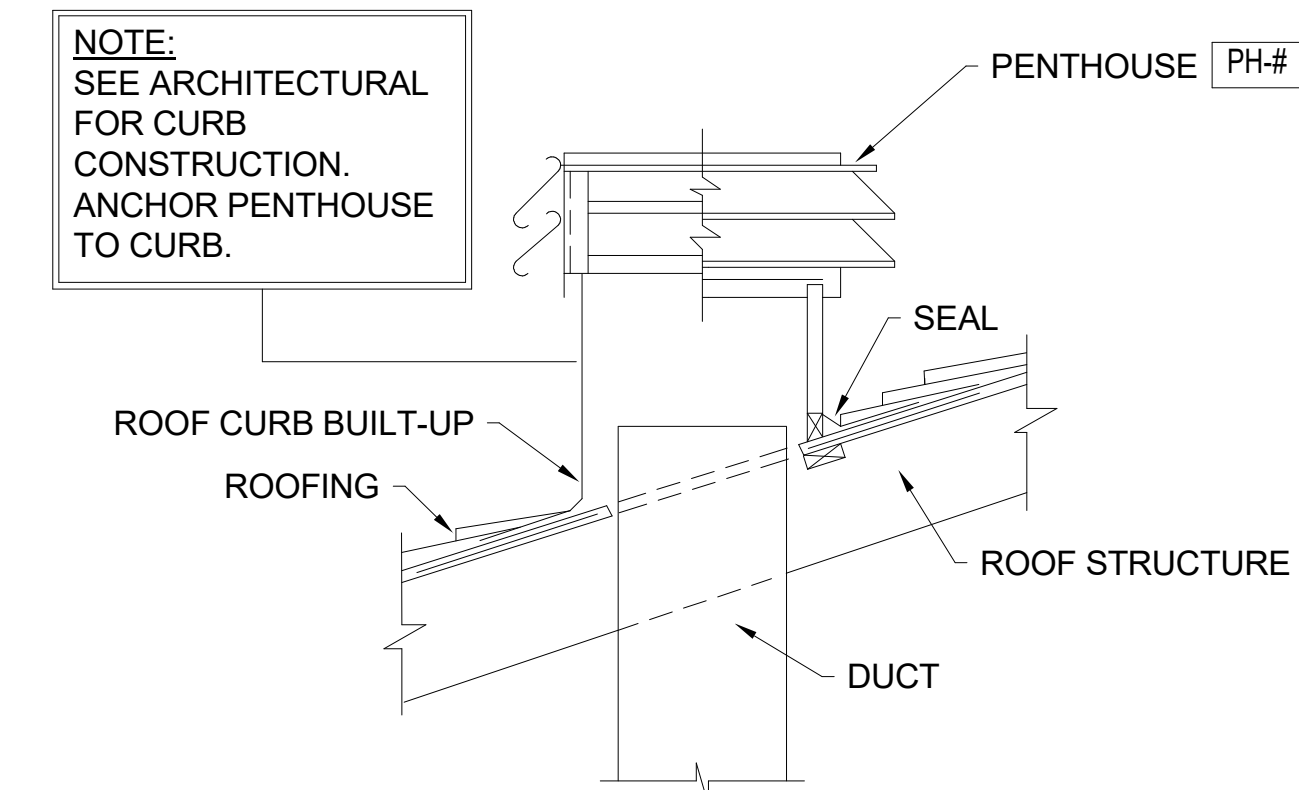


DETAIL C SCALE: NONE



ROUND-TO-ROUND DUCT CONSTRUCTION DETAIL

A3 SCALE: NONE



A5 PENTHOUSE DETAIL

SCALE: NONE

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SHEET TITLE:
MECHANICAL DETAILS

SHEET NUMBER:
M501

FURNACE SCHEDULE																								
TAG		AREA SERVED	CFM	CFM (OUTSIDE AIR)	ESP	HEATING		COOLING			HEATING EFFICIENCY	ELECTRICAL				DIMENSIONS			CONDENSING UNIT	MANUF & MODEL	SCHEDULE NOTES			
TYPE	#					INPUT (BTU/HR)	OUTPUT (BTU/HR)	ENTERING AIR DRY BULB	ENTERING AIR WET BULB	LEAVING AIR DRY BULB		COOLING CAPACITY	VOLTAGE	PHASE	FREQUENCY	HP	RPM	LENGTH				WIDTH	HEIGHT	OPERATING WEIGHT
F	1	CONFERENCE	1,000 CFM	260 CFM	0.5 in-wg	40000.0 Btu/h	39,000 Btu/h	80F	62F	54F	30,000 BTU	0.96	115 V	1	60 Hz	0.5 hp	1075	2' - 5 1/2"	1' - 2 3/16"	2' - 11"	120 lb	CU-1	TRANE 4PXC+S9V2B	1,2,3
F	2	OFFICES	1,200 CFM	180 CFM	0.5 in-wg	60000.0 Btu/h	58,000 Btu/h	80F	62F	55F	36,000 BTU	0.96	115 V	1	60 Hz	0.5 hp	1075	2' - 5"	1' - 5 1/2"	2' - 9"	120 lb	CU-2	TRANE 4PXC+S9V2B	1,2,3

- SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
- PROVIDE MOTORIZED AND MANUAL DAMPERS ON OUTSIDE AIR CONNECTION. MOTORIZED DAMPER SHALL OPEN WHEN BUILDING IS OCCUPIED. BALANCE MANUAL DAMPER TO REQUIRED OUTSIDE AIR.
- PROVIDE COOLING COIL.

LOUVER SCHEDULE									
TAG	AREA SERVED	MAX FLOW	FACE SIZE		MIN FREE AREA	MAX VELOCITY	MAX NC	MANUF & MODEL	SCHEDULE NOTES
			HEIGHT	WIDTH					
L-1	MECH ROOM	440 CFM	18"	18"	0.9 ft²	500 ft/min	25	RUSKIN ELF811	1,2,3

- SHALL BE RUSKIN811 OR APPROVED EQUAL.
- SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
- FINISH SHALL BE SPECIFIED BY ARCHITECT.

CONDENSING UNIT SCHEDULE													
TAG		INDOOR UNIT SERVED	COOLING (BTU/HR)	ELECTRICAL			SEER	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES			
TYPE	#			VOLTAGE	PHASE	FREQUENCY					MCA	MOC	
CU	1	F-1	27,810 Btu/h	240 V	1	60 Hz	17 A	25 A	16.25	220 lb	TRANE 4TTR	1,2,4	
CU	2	F-2	32,560 Btu/h	240 V	1	60 Hz	18 A	30 A	16	246 lb	TRANE 4TTR	1,2,4	
CU	3	SS-1	24,000 Btu/h	230 V	1	60 Hz	19 A	26 A	21.4	151 lb	MITSUBISHI PUY-A24NHA7	1,2,3	

- REFRIGERANT R-410A.
- SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
- COORDINATE WITH ELECTRICAL TO PROVIDE EMERGENCY POWER.
- MATCH TO ASSOCIATED COOLING COIL AT FURNACE.

DIFFUSER AND GRILLE SCHEDULE											
TAG	MAX FLOW	FACE SIZE		NECK SIZE		CEILING TYPE	BLOW PATTERN	THROW @ 50 FPM	MAX NC	MANUF & MODEL	SCHEDULE NOTES
		LENGTH	WIDTH	LENGTH/DIAMETER	WIDTH						
D-1	205 CFM	24"	24"		0"	LAY-IN	4 WAY	10'	25	PRICE SPD	1,4,5
D-2	260 CFM	0"	0"	8"	0"	DUCT MTD	4 WAY	8'	25	PRICE RCD	2,4,5
R-1	600 CFM	24"	12"	24"	12"	LAY-IN	N/A	0'	25	PRICE 535	3,4,5
RG-1	800 CFM	24"	16"	24"	16"	SIDEWALL	N/A	0'	25	PRICE 535	3,4,5
SWS-1	230 CFM	4"	12"	4"	12"	SIDEWALL	1 WAY	13'	25	PRICE RCG	4,5,6

- SHALL BE PRICE SPD OR APPROVED EQUAL.
- SHALL BE PRICE RCD OR APPROVED EQUAL.
- SHALL BE PRICE 535 OR APPROVED EQUAL.
- SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
- FINISH SHALL BE SPECIFIED BY ARCHITECT.
- SHALL BE PRICE RCG OR APPROVED EQUAL.

EXHAUST FAN SCHEDULE												
TAG		AREA SERVED	CFM	ESP	ELECTRICAL			RPM	HP	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES
TYPE	#				VOLTAGE	PHASE	FREQUENCY					
EF	1	RESTROOM	75 CFM	0.35 in-wg	120 V	1	60 Hz	900	0.04 hp	15 lb	COOK GC	1,2,3
EF	2	RESTROOM	75 CFM	0.35 in-wg	120 V	1	60 Hz	900	0.04 hp	15 lb	COOK GC	1,2,3

- INTERLOCK FAN WITH SWITCH IN RESTROOM. PROVIDE 15 MINUTE TIME DELAY.
- SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
- PROVIDE COOK ROOF CAP FOR TERMINATION OR PRIOR APPROVED EQUAL.

SPLIT SYSTEM SCHEDULE - INDOOR UNIT										
TAG		AREA SERVED	COOLING (BTU/HR)	ELECTRICAL			OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES	
TYPE	#			VOLTAGE	PHASE	FREQUENCY				MCA
SS	1	COMM ROOM	24,000 Btu/h	208 V	1	60 Hz	1 A	46 lb	MITSUBISHI PKA-A24KA7	1,2,3,4,5,6,7

- REFRIGERANT R-410A.
- SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
- PROVIDE WITH INTEGRAL CONDENSATE PUMP. ROUTE CONDENSATE LINE TO NEAREST FLOOR DRAIN TO FUNNEL DRAIN.
- PROVIDE WITH INDIVIDUAL ZONE THERMOSTAT.
- INDOOR UNIT IS POWERED FROM OUTDOOR UNIT.
- WALL MOUNTED UNIT.
- PROVIDE COOLING ONLY UNIT.

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4786 S 7500 W, HOOPER, UT 84315

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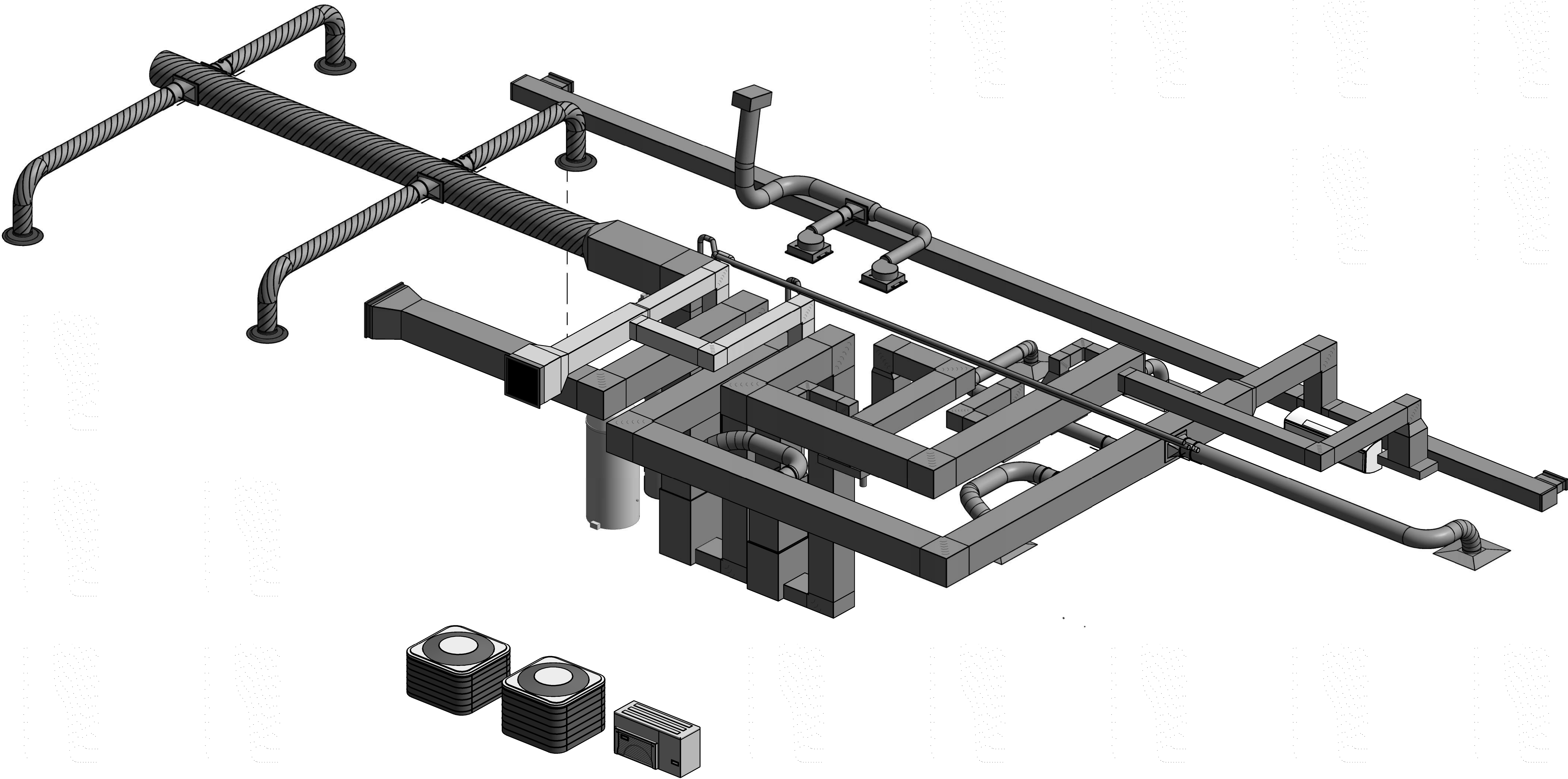
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SHEET TITLE:
MECHANICAL SCHEDULES

SHEET NUMBER:
M601



1 MECHANICAL ISOMETRIC

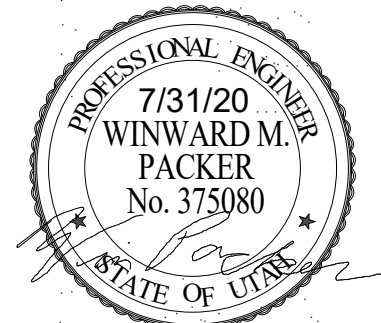
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SHEET TITLE:

**MECHANICAL
 ISOMETRICS**

SHEET NUMBER:

M801

PLUMBING LEGEND			
MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE	— HW —	WALL CLEANOUT	WCO
COLD WATER LINE	— CW —	CLEANOUT	CO
HOT WATER RECIRCULATING LINE	— HWREC —	CLEANOUT TO GRADE	COTG
VENT LINE	— V —	FLOOR CLEANOUT	FCO
WASTE LINE	— SS —	BALL VALVE	φ
GAS LINE	G	UNION	— —
VENT THRU ROOF	VTR	CONNECTION TO EXISTING PIPING	⊕
UNDER FLOOR	UF	REGULATOR	Ⓜ
SANITARY SEWER	SS	SOFT WATER	SW
PRIMARY ROOF DRAIN	PRD	SECONDARY ROOF DRAIN	SRD

PLUMBING GENERAL NOTES

G-1 - ALL PLUMBING SHALL BE INSTALLED AND CONFORM TO THE 2018 EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.

G-2 - ALL PIPING MATERIALS SHALL MEET ALL REQUIREMENTS OF IPC AND LOCAL AUTHORITY. PLASTIC PIPING SHALL BE ALLOWED ONLY WHERE ALLOWED BY CODE. PLASTIC PIPING SHALL NOT BE ROUTED THROUGH RETURN AIR PLENUMS OR OTHER AREAS PROHIBITED BY THE IMC, IPC, OR NFPA CODES OR BY LOCAL AUTHORITY.

G-3 - GAS PIPING INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH GAS COMPANY REGULATIONS, NFPA CODE REQUIREMENTS, AND LOCAL AUTHORITY.

G-4 - ALL MATERIALS SHALL BE NEW AND SHALL BE DOMESTIC MADE UNLESS SPECIFICALLY APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER.

G-5 - PROVIDE VACUUM BREAKERS AND BACK FLOW PREVENTERS WHERE REQUIRED BY CODE OR WHERE THERE MAY BE ANY POSSIBLE CHANCE FOR CROSS CONTAMINATION. PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH UTAH CODE.

G-6 - ALL PLUMBING INFORMATION IS NOT LIMITED TO THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING SPECIFICATIONS, ARCHITECTURAL DRAWING, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.

G-7 - THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL PIPING SHALL BE CHECKED AND COORDINATED WITH THE SPECIFICATIONS, ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

G-8 - COORDINATE ALL PIPING AND PLUMBING EQUIPMENT WITH ALL OTHER TRADES AND/OR CONTRACTORS PRIOR TO INSTALLATION.

G-9 - ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.

G-10 - GAS LINE FITTINGS SHALL BE STANDARD WELD FITTINGS WITH TAPERED REDUCERS. DO NOT USE VALVES, UNIONS, OR AUTO CONTROLS IN GAS LINES ROUTED IN INACCESSIBLE CONCEALED SPACES.

G-11 - ALL WATER SYSTEMS SHALL MEET THE REQUIREMENTS OF ANSI/NSF STANDARD 61 SECTION 9 (1998), CONCERNING METAL CONTAMINANTS IN THE WATER SYSTEM.

G-12 - WATER PIPING SHALL NOT BE ROUTED IN OUTSIDE WALLS OR ON EXTERIOR SIDE OF BUILDING INSULATION ENVELOPE.

G-13 - WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ALL WATER LINES WITH QUICK OPEN OR QUICK CLOSE VALVES.

WATER HAMMER ARRESTOR SCHEDULE:

TYPE A	1-11 FIXTURE UNITS
TYPE B	12-32 FIXTURE UNITS
TYPE C	33-60 FIXTURE UNITS
TYPE D	61-113 FIXTURE UNITS

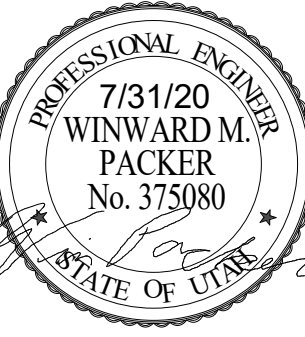
G-14 - ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.

ARCHITECT'S INFORMATION:



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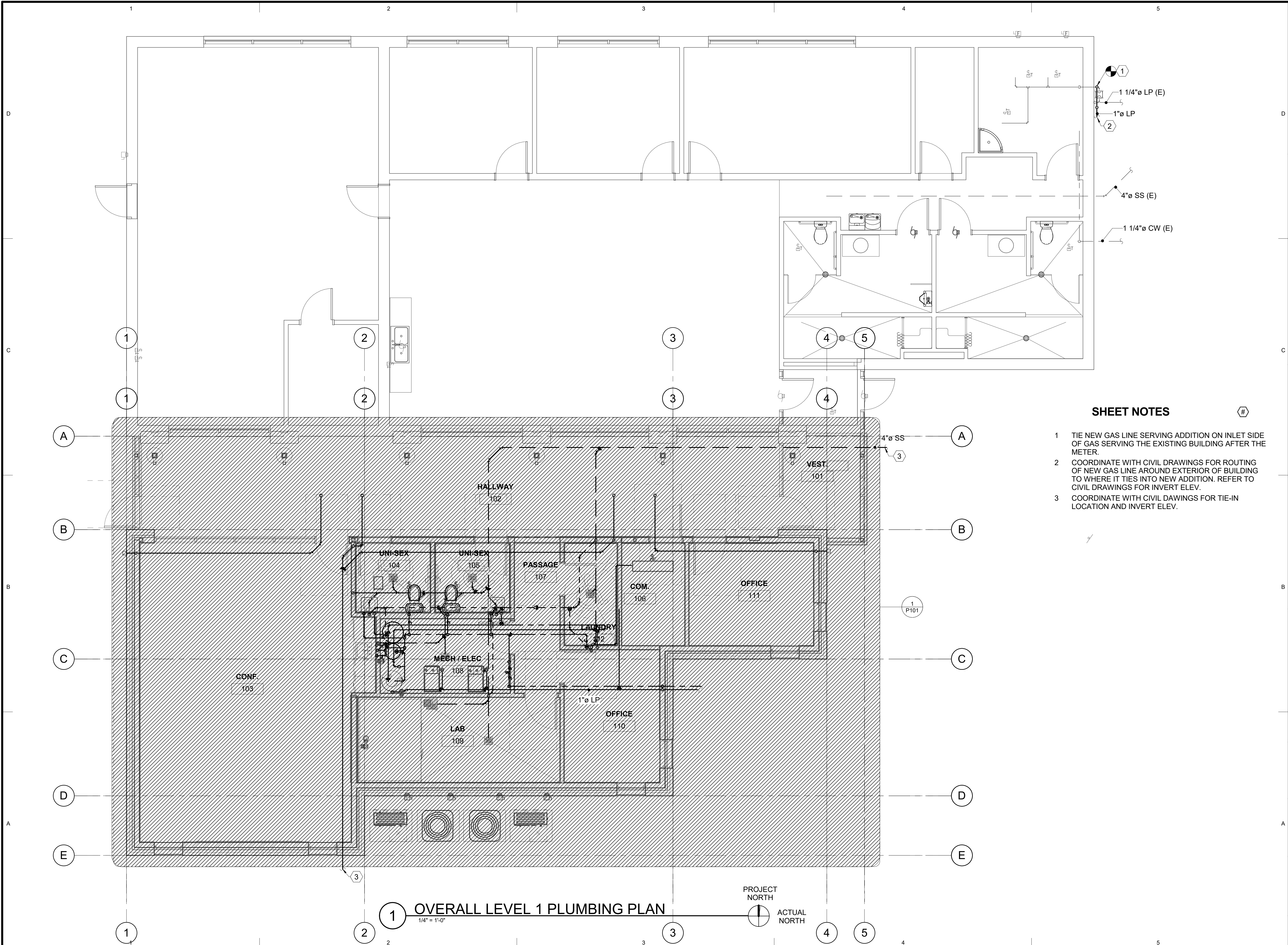
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SHEET TITLE:

**PLUMBING
 GENERAL NOTES
 AND LEGEND**

SHEET NUMBER:

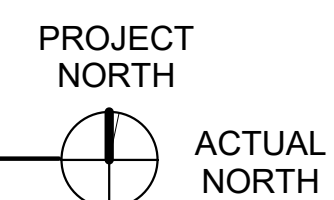
PG001



SHEET NOTES

- 1 TIE NEW GAS LINE SERVING ADDITION ON INLET SIDE OF GAS SERVING THE EXISTING BUILDING AFTER THE METER.
- 2 COORDINATE WITH CIVIL DRAWINGS FOR ROUTING OF NEW GAS LINE AROUND EXTERIOR OF BUILDING TO WHERE IT TIES INTO NEW ADDITION. REFER TO CIVIL DRAWINGS FOR INVERT ELEV.
- 3 COORDINATE WITH CIVIL DRAWINGS FOR TIE-IN LOCATION AND INVERT ELEV.

1 OVERALL LEVEL 1 PLUMBING PLAN
1/4" = 1'-0"



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PROFESSIONAL STAMP

CODE OFFICIAL STAMP

PROJECT NAME

**OGDEN BAY
WMA OFFICE BUILDING**

4786 S 7500 W, HOOPER, UT 84315

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

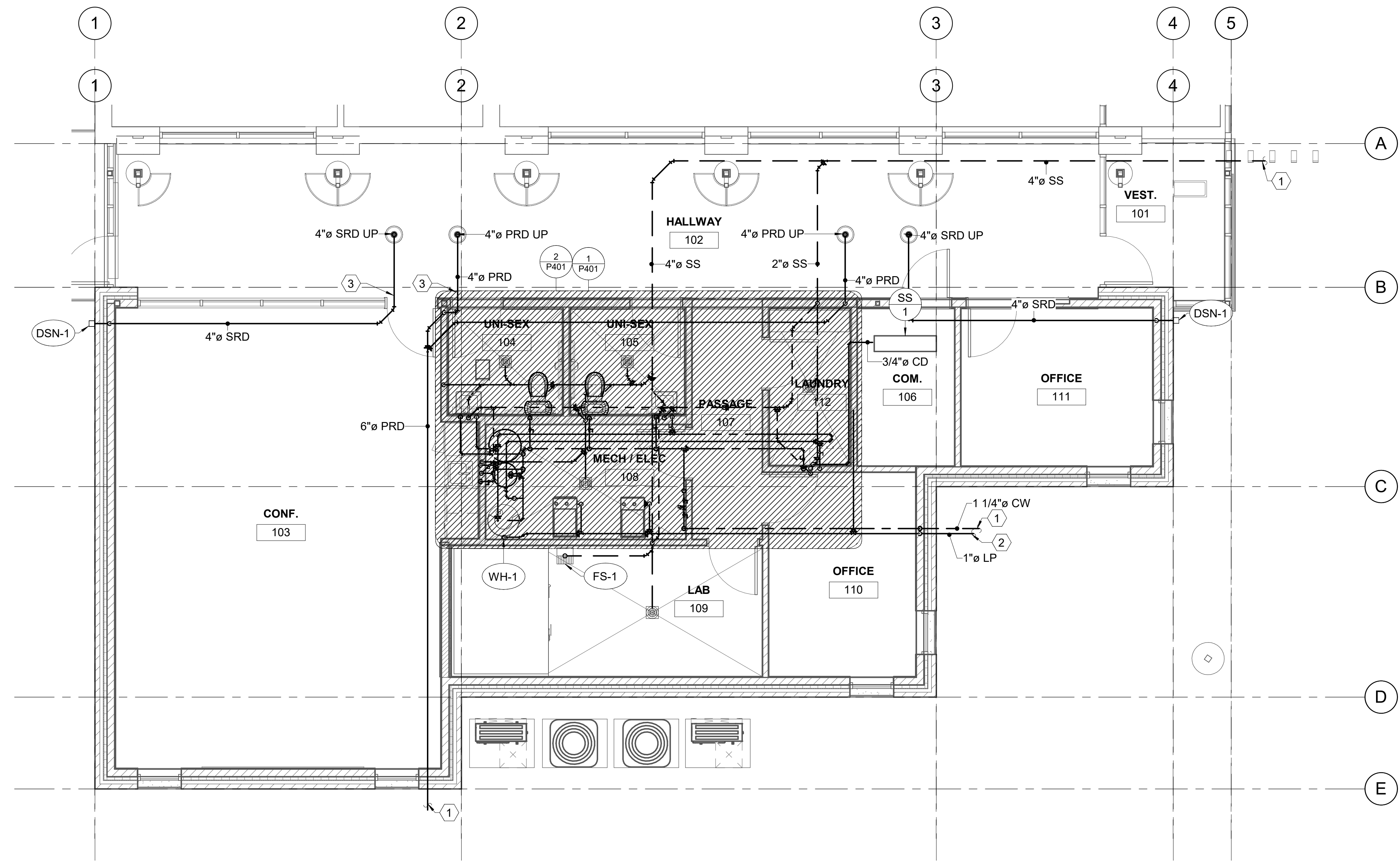
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SHEET TITLE

**OVERALL
PLUMBING PLAN**

SHEET NUMBER

P100



1 LEVEL 1 PLUMBING PLAN
1/4" = 1'-0"

PROJECT NORTH
ACTUAL NORTH

SHEET NOTES

- COORDINATE WITH CIVIL DRAWINGS FOR TIE-IN LOCATION AND INVERT ELEV.
- COORDINATE WITH CIVIL DRAWINGS FOR ROUTING OF NEW GAS LINE AROUND EXTERIOR OF BUILDING TO WHERE IT TIES INTO NEW ADDITION. REFER TO CIVIL DRAWINGS FOR INVERT ELEV.
- ROUTE ROOF DRAIN PIPING THROUGH STRUCTURE. COORDINATE WITH STRUCTURAL PLANS FOR EXACT LOCATION.

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7/31/20
WINWARD M. PACKER
No. 375080
STATE OF UTAH

CODE OFFICIAL STAMP

REVIEWED FOR CODE COMPLIANCE
DATE: 08/14/2020

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SHEET TITLE

LEVEL 1 PLUMBING PLAN

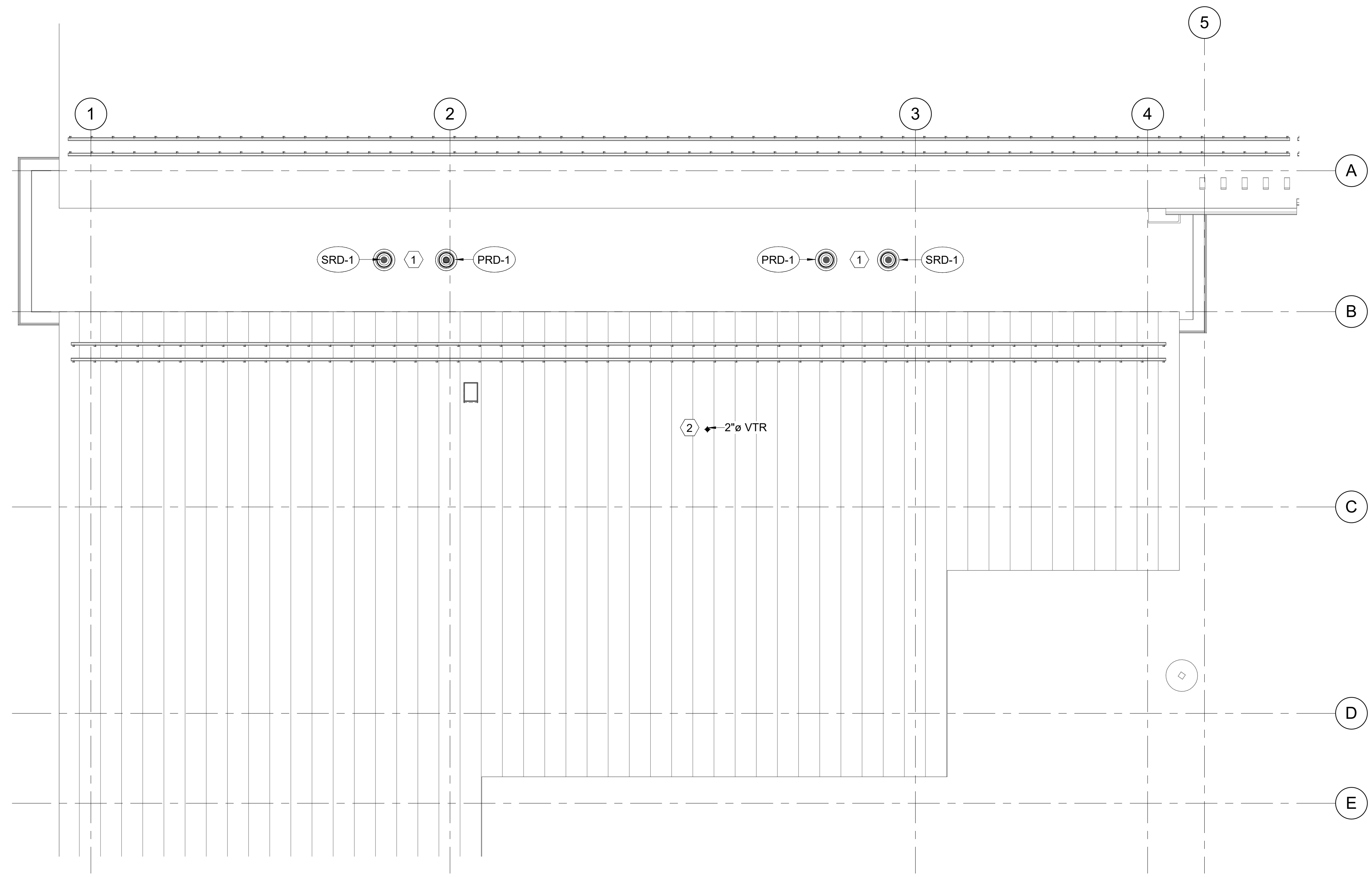
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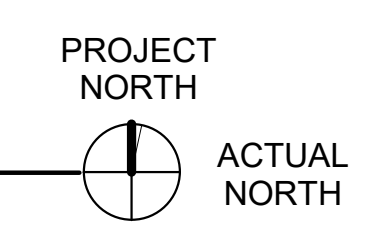
1 2 3 4 5

SHEET NOTES

- 1 PROVIDE PRD AND SRD IN THIS APPROXIMATE LOCATION. SEE LEVEL BELOW FOR CONTINUATION.
- 2 PROVIDE VTR AT THIS APPROXIMATE LOCATION. SEE LEVEL BELOW FOR CONTINUATION.



1 ROOF PLUMBING PLAN
1/4" = 1'-0"



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SHEET TITLE

ROOF PLUMBING PLAN

SHEET NUMBER

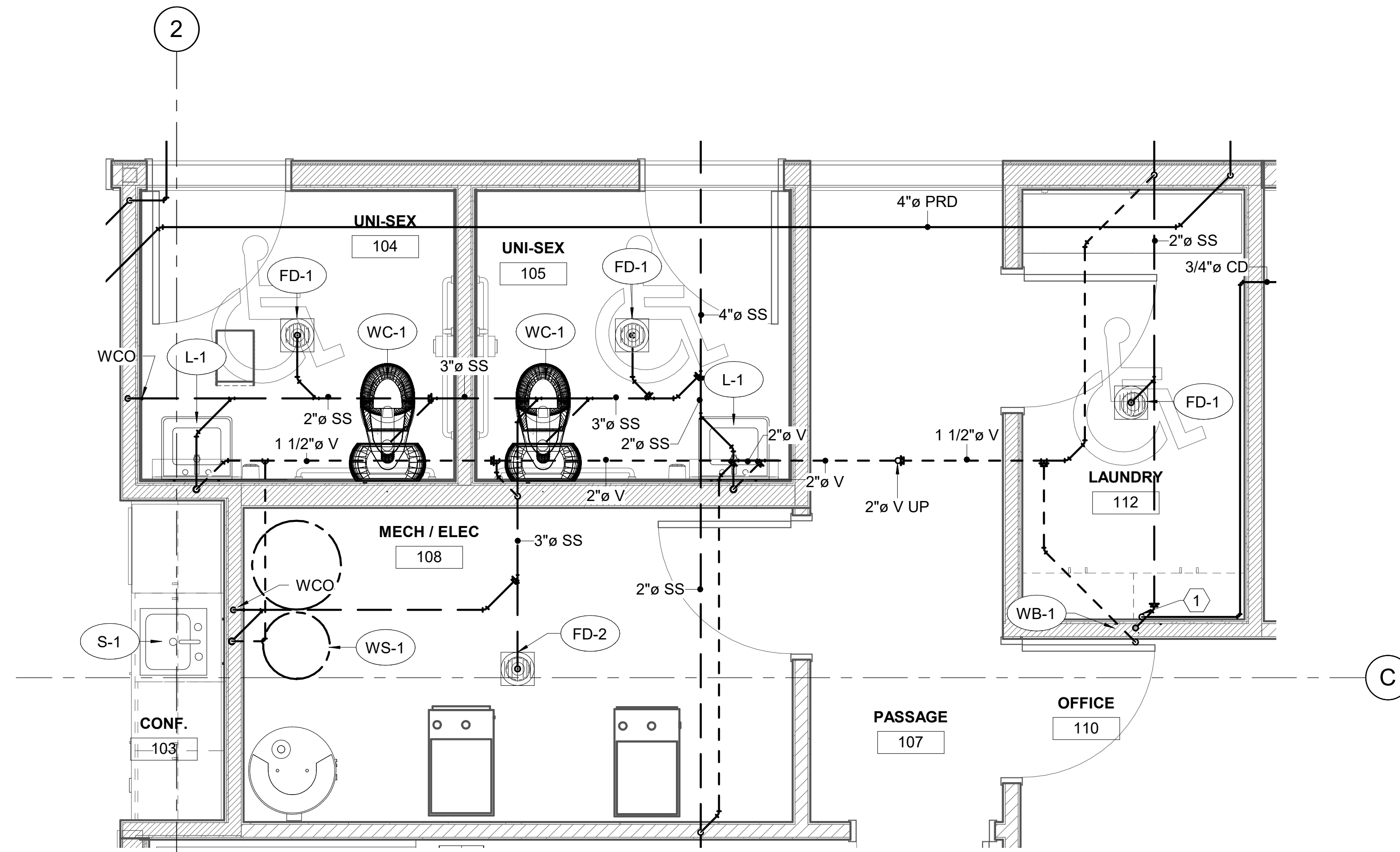
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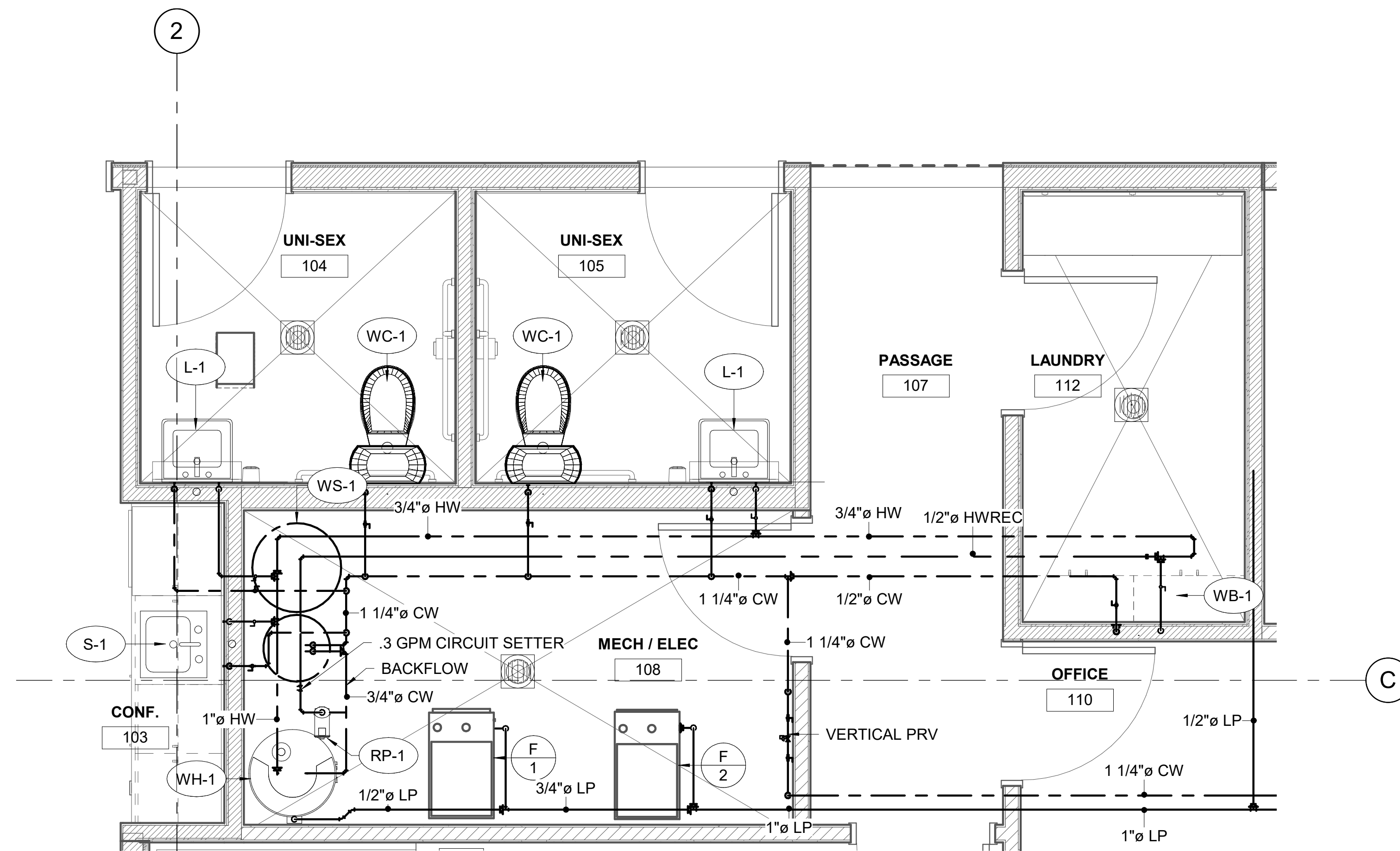
1 2 3 4 5

SHEET NOTES

- ROUTE CONDENSATE TO WASHER BOX AND PROVIDE INDIRECT FUNNEL DRAIN.



1 ENLARGED DWV PLANS
1/2" = 1'-0"



2 ENLARGED DOMESTIC WATER PLANS
1/2" = 1'-0"

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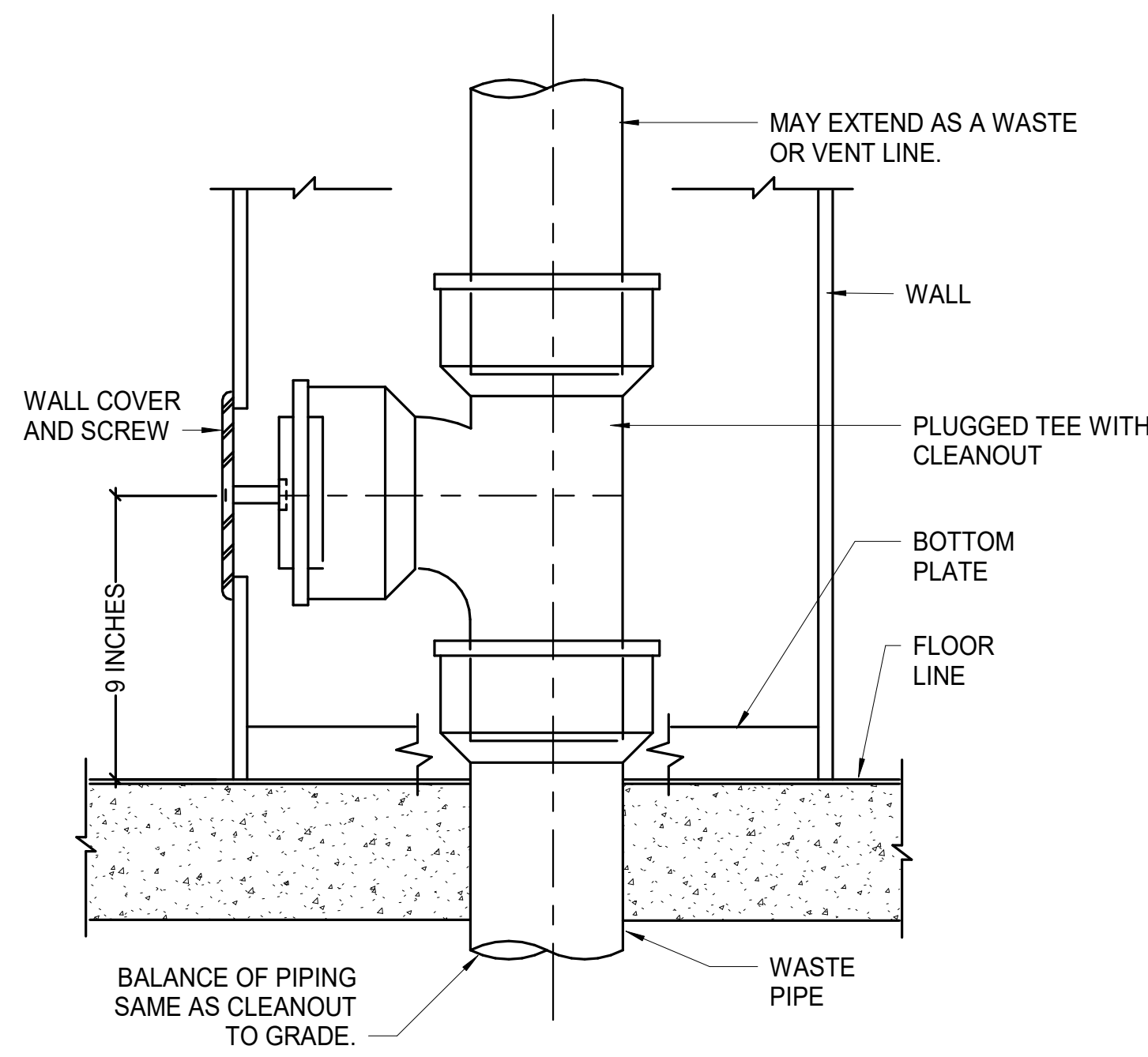
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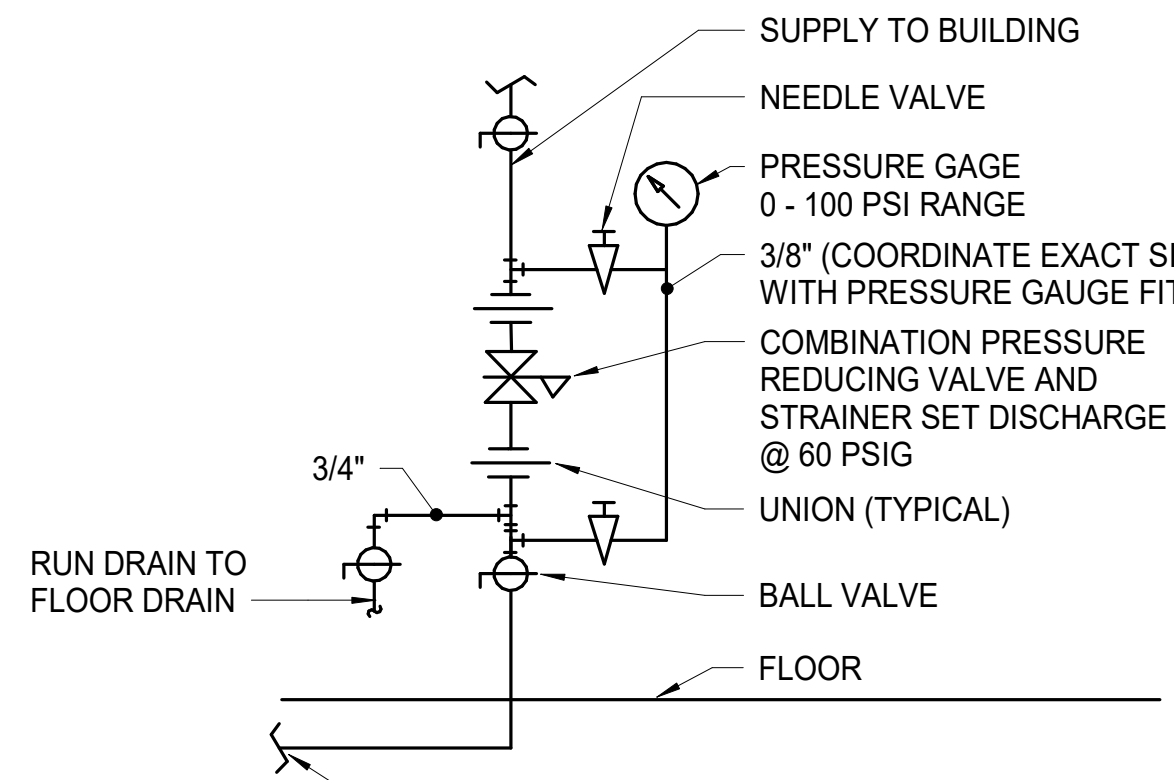
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SHEET TITLE:
ENLARGED PLUMBING

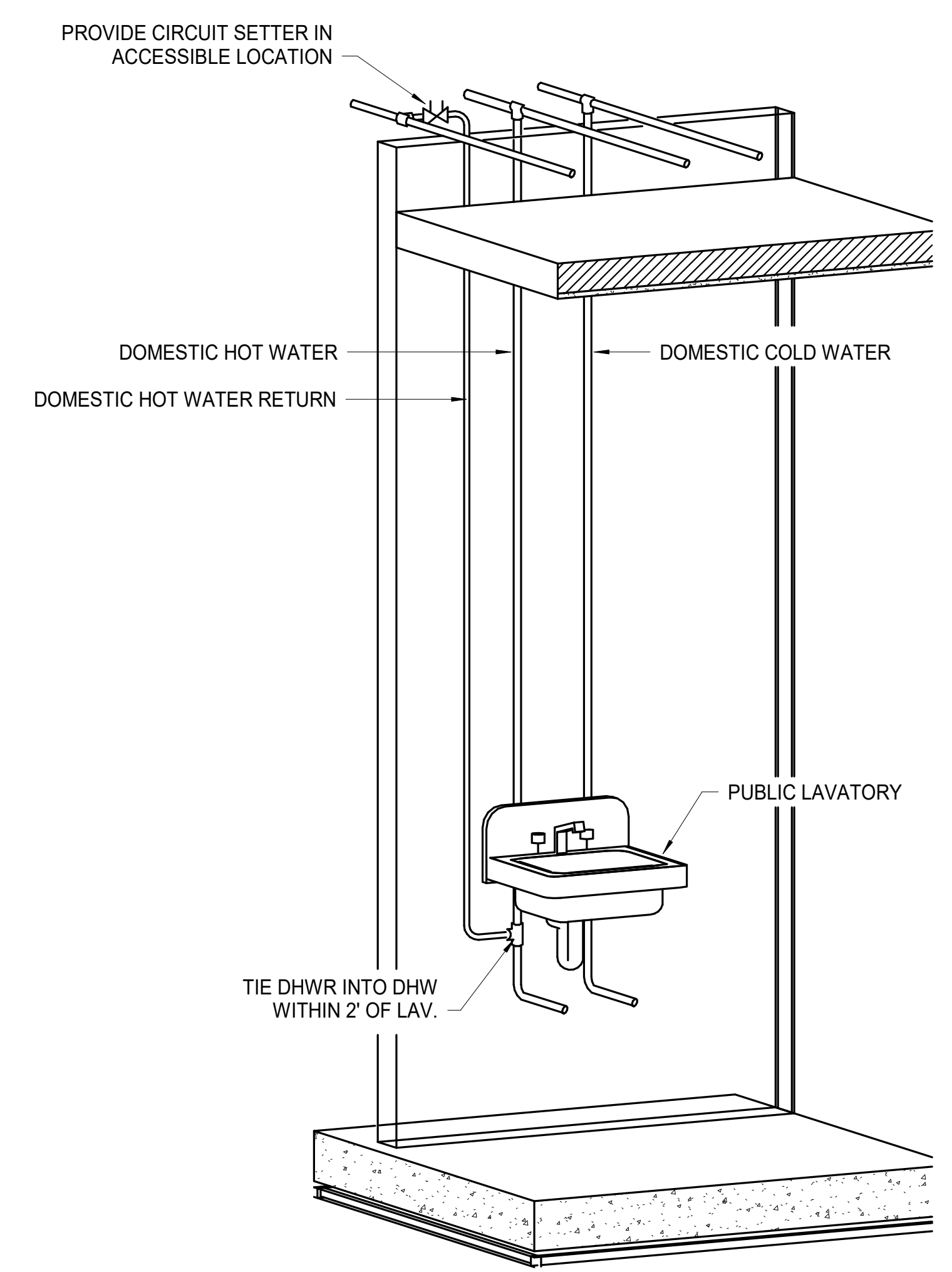
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P401



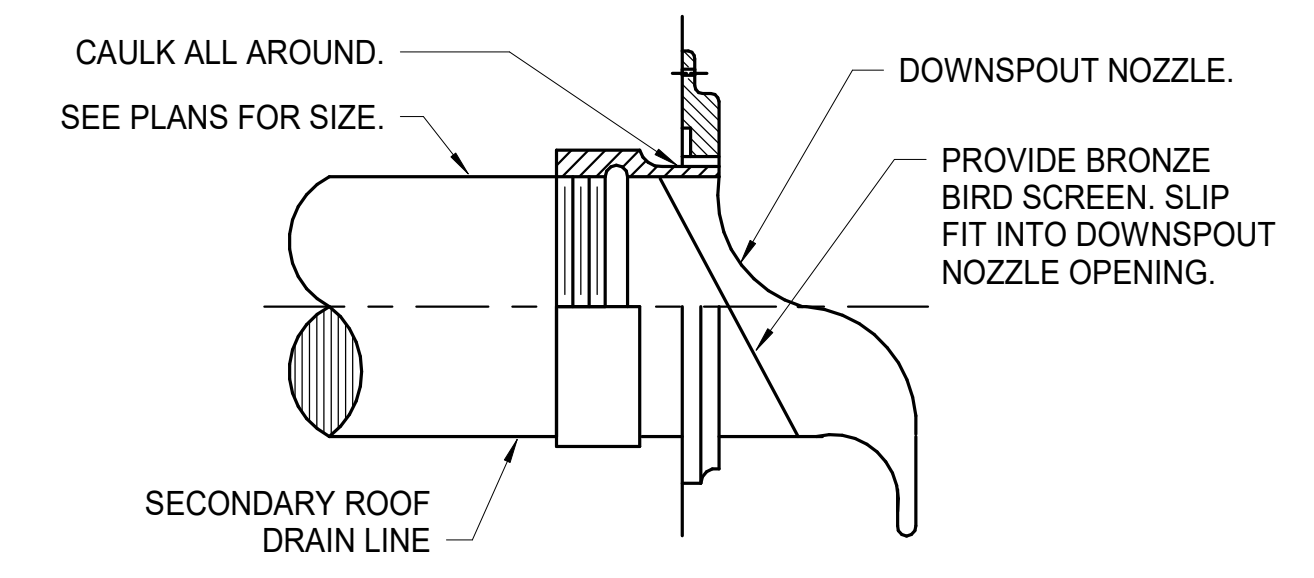
A1 WALL CLEAN-OUT DETAIL
SCALE: NO SCALE



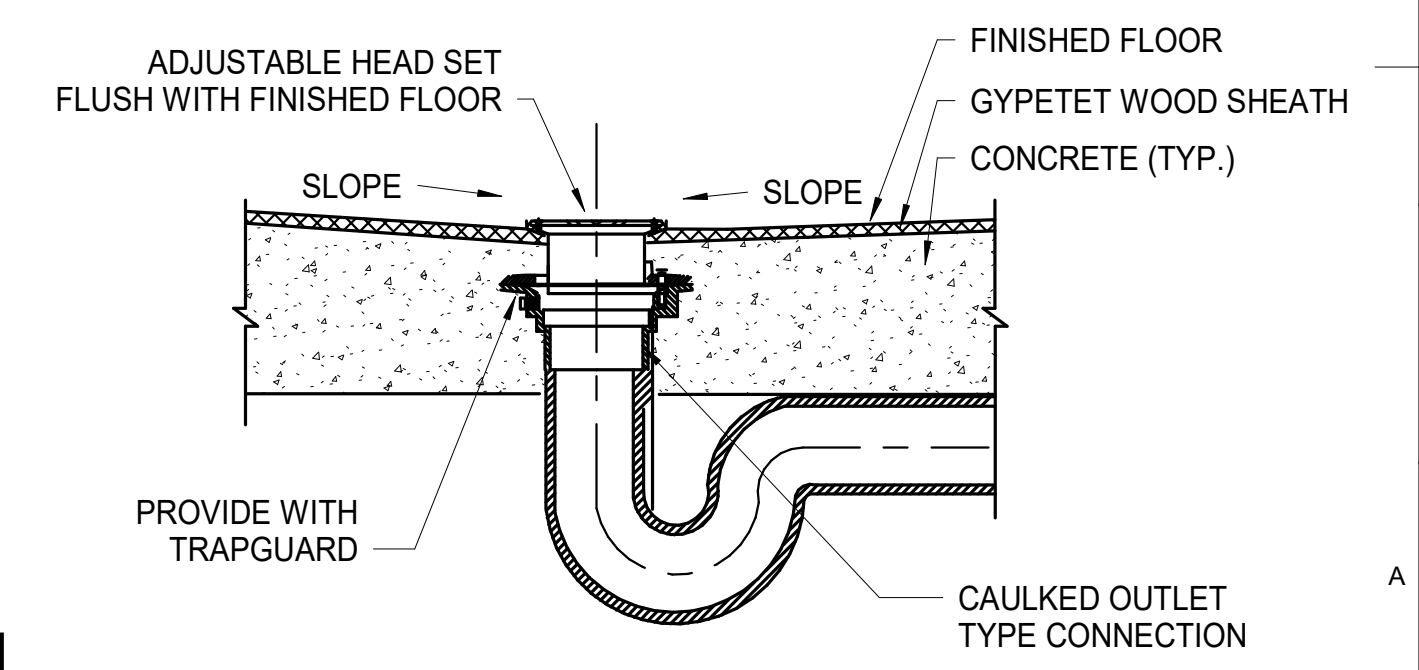
A3 VERTICAL WATER PRESSURE REDUCING STATION
SCALE: NO SCALE



C4 DOMESTIC HOT WATER RETURN DETAIL
SCALE: NO SCALE



B4 DOWNSPOUT NOZZLE DETAIL
SCALE: NO SCALE



A4 FLOOR DRAIN DETAIL
SCALE: NO SCALE

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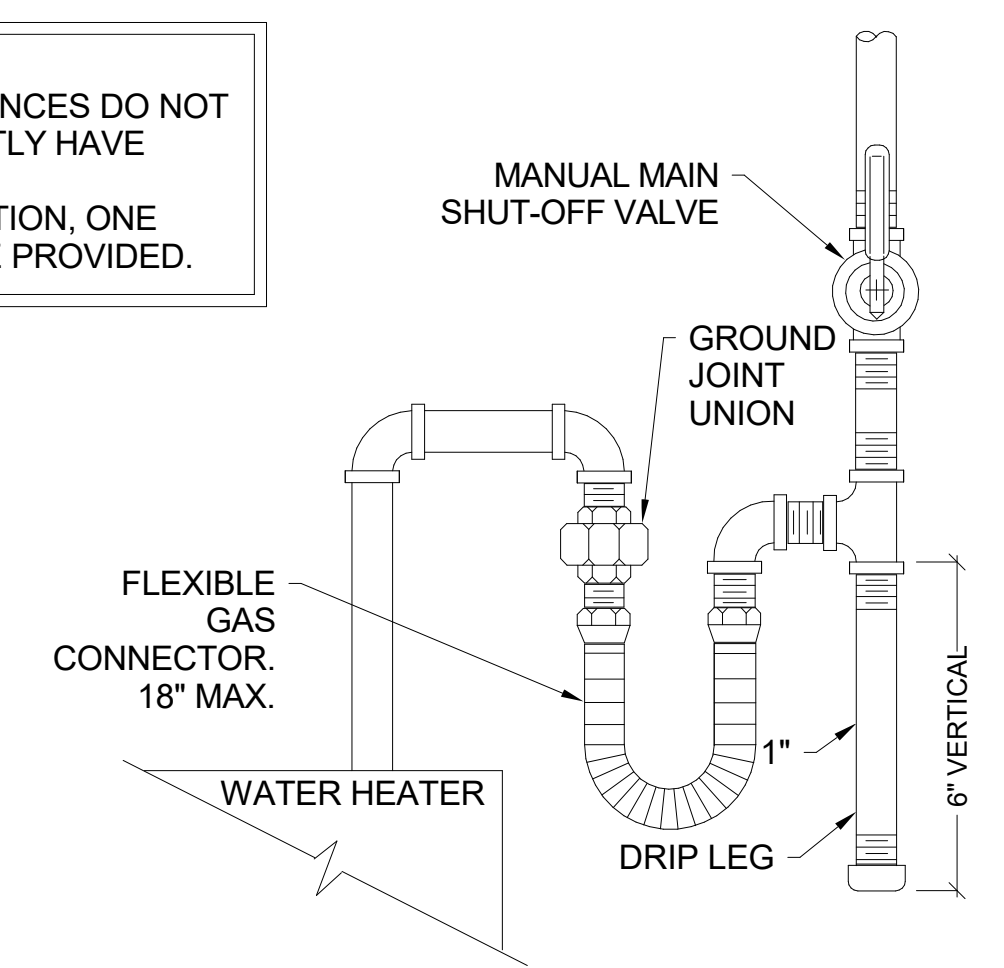
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**PLUMBING
DETAILS**

SHEET NUMBER:

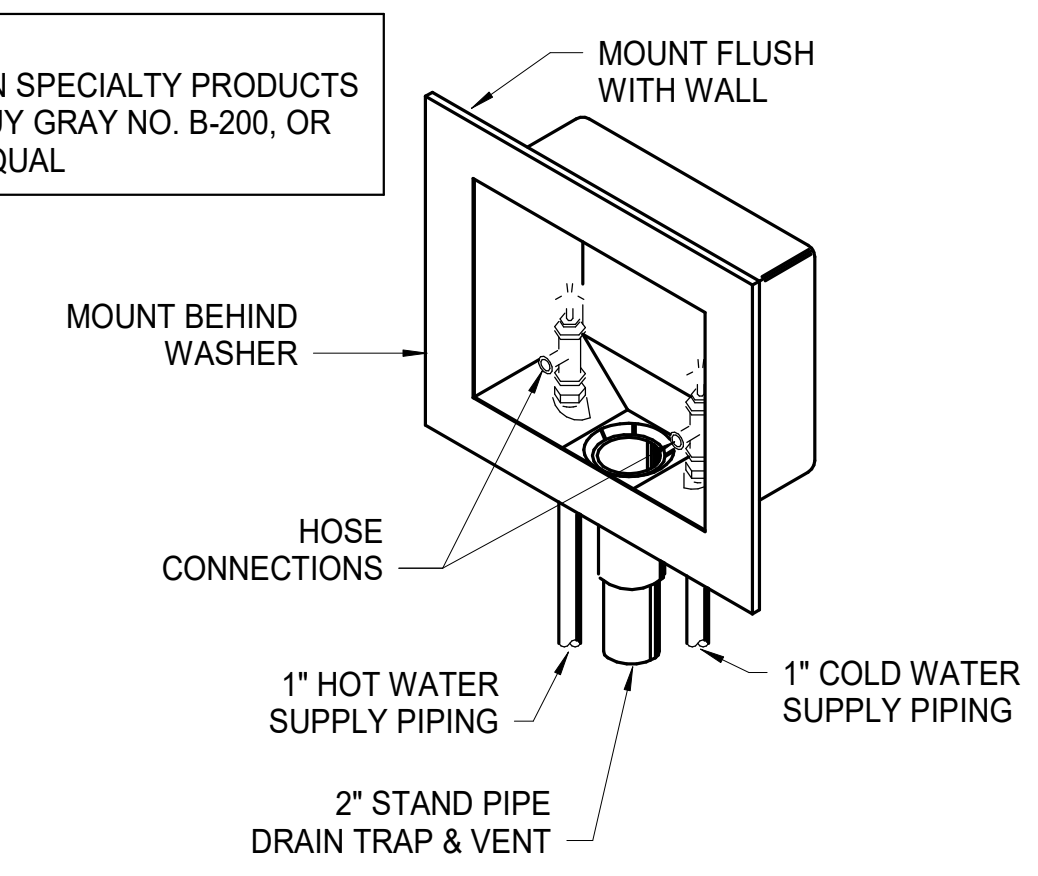
P501

NOTE:
IF APPLIANCES DO NOT
CURRENTLY HAVE
FLEXIBLE
CONNECTION, ONE
SHALL BE PROVIDED.

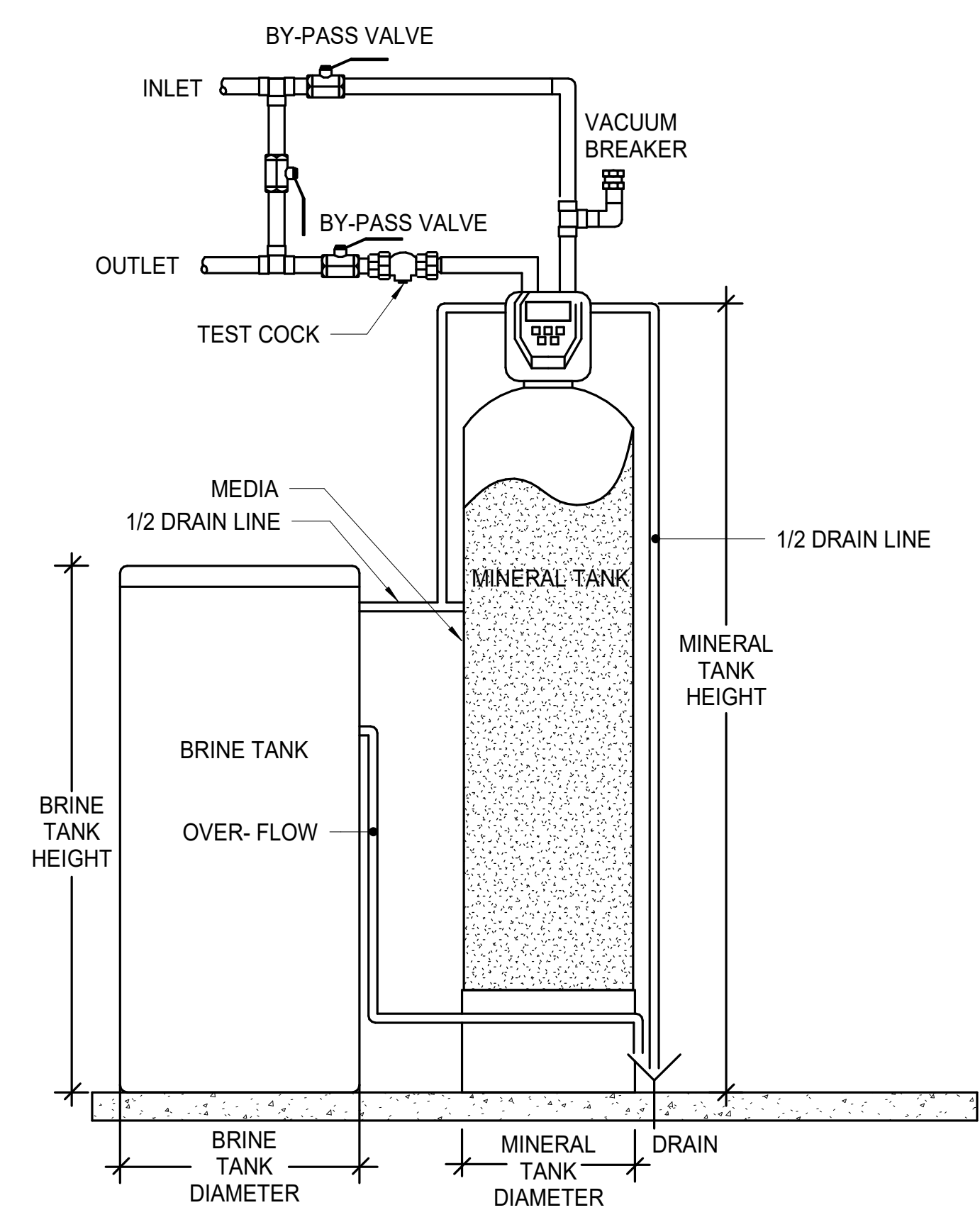


C3 GAS LINE CONNECTION DETAIL
SCALE: NONE

NOTE:
DETAIL BASED ON SPECIALTY PRODUCTS
NO. WMOB OR GUY GRAY NO. B-200, OR
AN APPROVED EQUAL



C4 WASHER CONNECTION BOX DETAIL
SCALE: NO SCALE



A4 WATER SOFTENER DETAIL
SCALE: NO SCALE

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SHEET TITLE:
**PLUMBING
DETAILS**

SHEET NUMBER:
P502

PLUMBING FIXTURE SCHEDULE (TAG)									
EQUIPMENT NUMBER	FIXTURE	PLUMBING PIPE SIZES					POINT OF USE MIXING VALVE?	MAX OUTLET TEMP	REMARKS
		TRAP	WASTE	VENT	COLD WATER	HOT WATER			
DSN-1	DOWN SPOUT	0"	4"	0"	0"	0"			PROVIDE DOWN SPOUT. TERMINATE APPROXIMATELY 24" ABOVE GRADE. JR SMITH 1770T OR EQUAL.
FD-1	FLOOR DRAIN	2"	2"	1 1/2"	0"	0"	No		PROVIDE WITH TRAP GUARD. WATTS FD-100-A OR EQUAL.
FD-2	FLOOR DRAIN	3"	3"	1 1/2"	0"	0"	No		PROVIDE WITH TRAP GUARD. WATTS FD-100-A OR EQUAL.
FS-1	FLOOR SINK	2"	2"	1 1/2"	0"	0"	No		PROVIDE WITH TRAP GUARD. WATTS FS-712 OR EQUAL.
L-1	LAVATORY	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	Yes	110 °F	WALL MOUNTED. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE. KOHLER PINOIR MODEL K-2028-4-0 WITH AMERICAN STANDARD RELIANT MODEL 7385.007.002OR EQUAL.
PRD-1	PRIMARY ROOF DRAIN	0"	4"	0"	0"	0"			PROVIDE JR SMITH LOW PROFILE 1020 SIDE OUTLET DRAIN OR EQUAL WITH DOME STRAINER
RP-1	RECIRC PUMP	0"	0"	0"	0"	3/4"	No		PROVIDE B&G PL-55 OR EQUAL. MEETS WITH NSF61. 120 V, SINGLE PHASE, 1/6 HP.
S-1	SINK	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	Yes	110 °F	COUNTER MOUNTED DROP IN STAINLESS STEEL SINK. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE. JUST SL1921A3 ,18 GAUGE OR EQUAL. PROVIDE WITH ELKAY 8" CENTERSET WITH CONCEALED DECK FAUCET WITH 5" GOOSENECK SPOUT 6" WRISTBLADE HANDLES CHROME MODEL LK800GN05T6
SRD-1	SECONDARY ROOF DRAIN	0"	4"	0"	0"	0"			PROVIDE JR SMITH LOW PROFILE 1020 SIDE OUTLET DRAIN OR EQUAL WITH DOME STRAINER. INSTALL SECONDARY 2" ABOVE PRIMARY OR WITH 2" RIM.
WB-1	WASHER WALL BOX	2"	2"	1/2"	1/2"	1/2"	No		WASHER WALL BOX. GUY GREY MWB OR EQUAL. PROVIDE WITH WATER HAMMER ARRESTOR.
WC-1	ADA WATER CLOSET	3"	3"	2"	3/4"	0"	No		ADA COMPLIANT. FLOOR MOUNTED FLUSH TANK WATER CLOSET 1.6 GPF. KOHLER K-3551 OR EQUAL.

WATER HEATER (PROPANE) SCHEDULE (TAG)									
EQUIPMENT NUMBER	INPUT (BTU/HR)	OUTPUT (BTU/HR)	STORAGE CAPACITY	RELIEF VALVE BTU / PRESSURE RATING	FLUE	OPERATING WEIGHT	MANUF & MODEL	SCHEDULE NOTES	
WH-1	40,000 Btu/h	36,000 Btu/h	40 gal	PER MANUFACTURERS RECOMMENDATIONS	3"	174 lb	AO SMITH GPD40	1,2,3	

- SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
- 120/1/60 - 30 AMP BREAKER
- HIGH ALTITUDE MODEL.

WATER SOFTENER SCHEDULE (TAG)										
EQUIPMENT NUMBER	FLOW PEAK GPM @ 25 PSI DROP	FLOW CONT GPM @ 15 PSI DROP	CAPACITY KGR	RESIN CU. FT.	MINERAL TANK DIAMETER	MINERAL TANK HEIGHT	BRINE TANK DIAMETER	BRINE TANK HEIGHT	MANUF & MODEL	SCHEDULE NOTES
WS-1	26 GPM	20	60,000 gal	2	0"	12"	15"	34"	FLECK SXT	1,2,3

- 24V/1 P/60 HZ
- SEE PIPING DETAIL.
- CLACK BY WATER SPECIALTIES OR EQUAL. PROVIDE WITH SIMPLEX RESIN TANKS, SINGLE BRINE TANK, WITH AUTOMATIC REGENERATION SYSTEM ACTIVATED BY TIME CLOCK.

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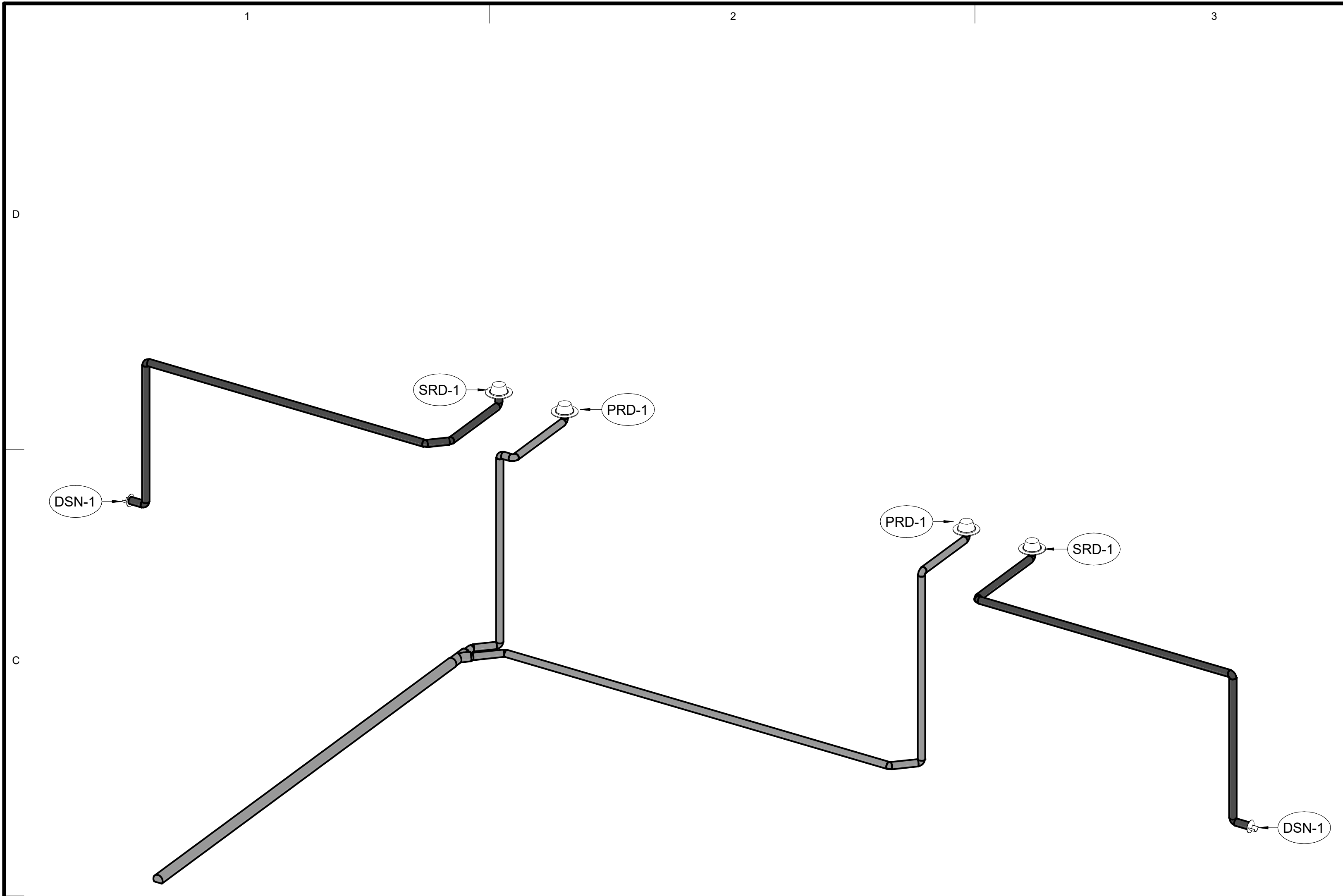
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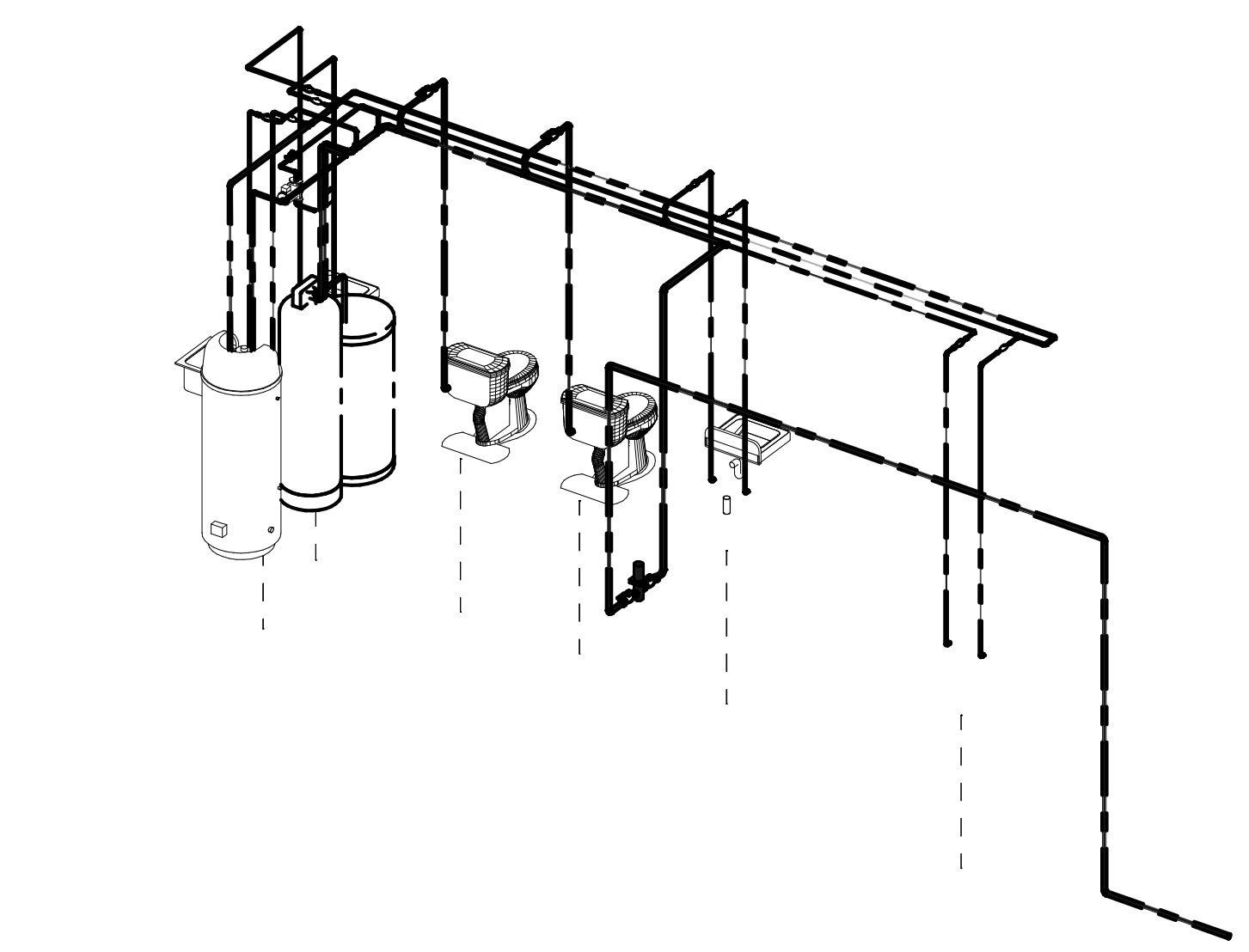
**PLUMBING
SCHEDULES**

SHEET NUMBER:

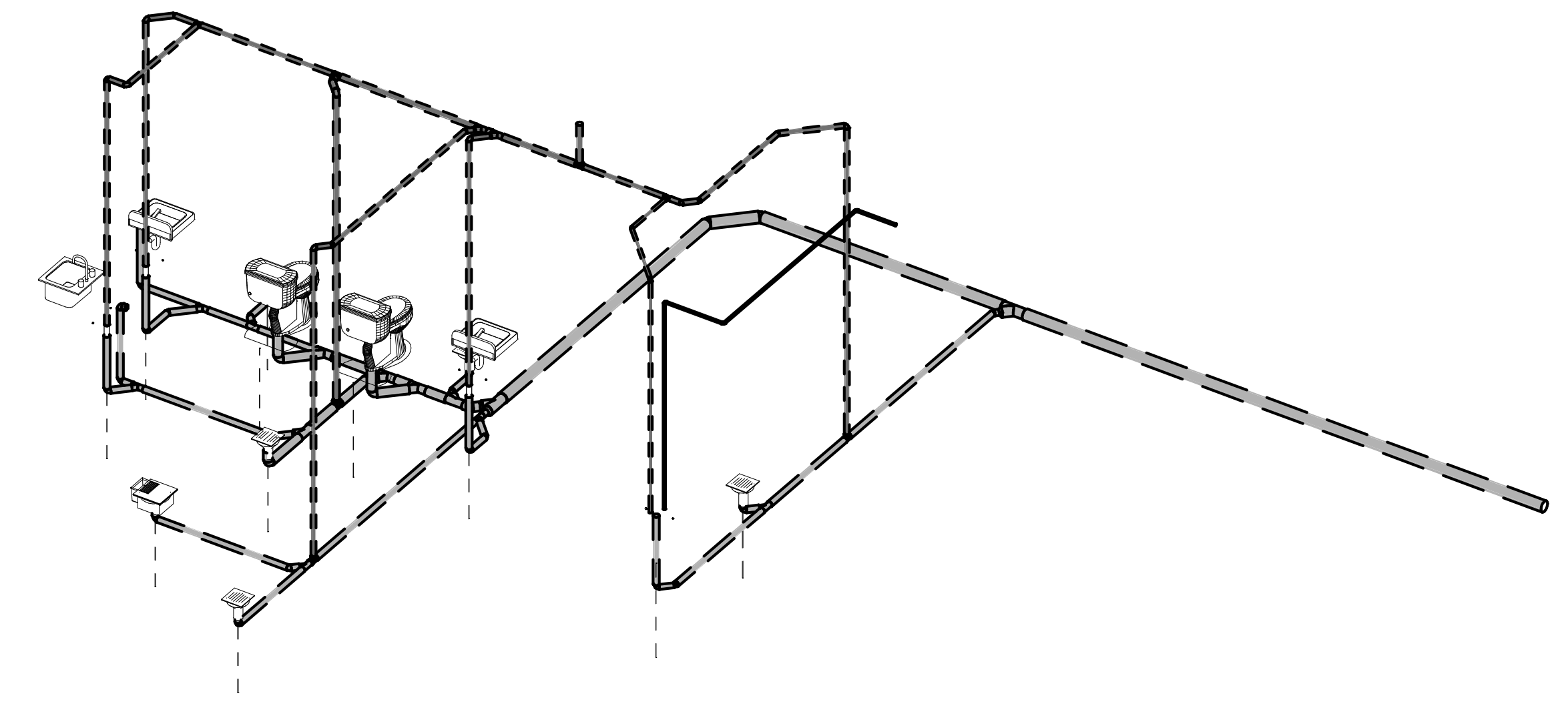
P601



3 ROOF DRAIN ISOMETRIC



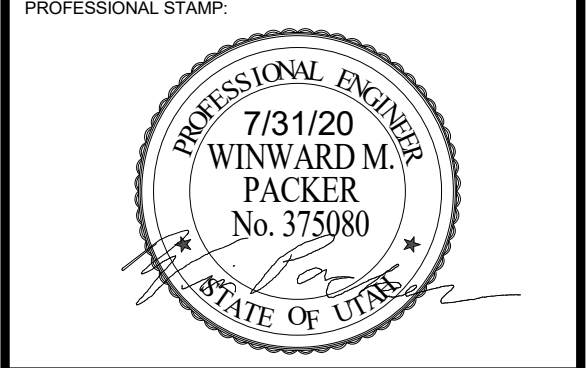
1 DOMESTIC WATER ISOMETRIC



2 WASTE AND VENT ISOMETRIC

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SHEET TITLE:
**PLUMBING
 ISOMETRICS**

SHEET NUMBER:
P801

ONE-LINE SYMBOLS		WIRING DEVICE SYMBOLS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHTING AND APPLIANCE PANEL BOARD		DISTRIBUTION PANEL
	CIRCUIT BREAKER		CIRCUIT BREAKER ENCLOSED
	DISCONNECT SWITCH		DISCONNECT SWITCH FUSED
	AUTOMATIC TRANSFER SWITCH		METER
	TRANSFORMER		MOTOR
	GROUND AND NEUTRAL		GROUND
	COLD WATER PIPE		BUILDING STEEL
	ISOLATION AUTOMATIC TRANSFER SWITCH		MAIN SWITCHBOARD
	BUS BAR		GROUND SLEEVE

WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	FOURPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE - NEMA 14-50R DRYER - NEMA 14-30R
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	CORD DROP		REFER TO FLOOR PLANS REFER TO PLANS.
	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.
LIGHTING CONTROLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SINGLE-POLE TOGGLE SWITCH	+48"	
	THREE-WAY TOGGLE SWITCH	+48"	
	OCCUPANCY SENSOR	+48"	REFER TO OCCUPANCY SENSOR SCHEDULE FOR MORE INFORMATION "F" SPECIFIES TYPE
	LOW VOLTAGE SWITCH	+48"	REFER TO LOW VOLTAGE SWITCH SCHEDULE FOR MORE INFORMATION "F" SPECIFIES TYPE
	OCCUPANCY SENSOR	CEILING	"A" LOWER CASE SPECIFIES ZONE "F" SPECIFIES TYPE REFER TO OCCUPANCY SCHEDULE
	POWER PACK	ACCESSIBLE ABOVE CEILING	
FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	FIRE/SMOKE DAMPER		
	HEAT DETECTOR	CEILING	SUBSCRIPT INDICATES SPECIFIC REQUIREMENTS/OPTIONS: "S" DEVICE WITH SOUNDER BASE "R" DEVICE WITH ADDRESSABLE RELAY
	CARBON MONOXIDE DETECTOR		
	SMOKE DETECTOR		
	HEAT DETECTOR	WALL MOUNTED: MAX 12" FROM BOTTOM OF CEILING	"R" DEVICE WITH ADDRESSABLE RELAY
	CARBON MONOXIDE DETECTOR		"RES" DEVICE HAS 120V. SMOKE ALARM W/BATTERY BACKUP
	SMOKE DETECTOR		
	DUCT SMOKE DETECTOR	SIDE OF DUCT	
	FIRE ALARM MANUAL STATION	+48"	
	AUDIO HORN	INDOOR - 96" FROM FINISH FLOOR TO TOP OF DEVICE.	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ.
	FIRE ALARM VISUAL STROBE	INDOOR - 96" FROM FINISH FLOOR TO TOP OF DEVICE.	NUMERIC SUBSCRIPT INDICATES CANDELA RATING OF STROBE (I.E. - 15, 75, 110)
	FIRE ALARM AUDIO/VISUAL HORN/STROBE	INDOOR - 96" FROM FINISH FLOOR TO TOP OF DEVICE.	
	CONCEAL FIRE ALARM AUDIO/VISUAL HORN/STROBE	INDOOR - 96" FROM FINISH FLOOR TO TOP OF DEVICE.	
	FIRE ALARM CONTROL PANEL		

LIGHTING SYMBOLS			
1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.			
2. ARROWS INDICATE AIMING DIRECTION.			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ARM-MOUNTED SINGLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	LINEAR PENDANT LIGHT FIXTURE	CEILING	
	EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY
	EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S); ARROW(S) INDICATE CHEVRON DIRECTION(S)
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES			
1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.			
2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.			
3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4' ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4' ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.			
4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.			

GENERAL SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
	KEYED NOTE	
	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER; BOTTOM LETTER-NUMBER INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN, WHERE NOT SPECIFICALLY REFERENCED. DETAIL IS GENERAL IN NATURE AND SHALL APPLY WHERE APPLICABLE.
	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
	SECTION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER; BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.
	ARCHITECTURAL ROOM NUMBER	
	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE; BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.
	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.
	BREAKLINE	USED TO BREAK DRAWINGS.
	LIGHTING CONTROL WIRING DIAGRAM CALLOUT	

BRANCH CIRCUITING SYMBOLS		
SYMBOL	DESCRIPTION	REMARKS
	BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS
	BRANCH CIRCUITING (J.N.O.) CONTINUATION	
	CONDUIT STUB-IN	CAP AND MARK
	INCOMING SERVICE	
	UNDERGROUND FEEDER	
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT 'F' INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE.

EQUIPMENT AND CONTROL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	MANUAL STARTER WITH THERMAL OVERLOAD(S)	AT EQUIPMENT	
	ELECTRIC MOTOR		
	NON-FUSED DISCONNECT SWITCH	+60"	
	FUSED DISCONNECT SWITCH	+60"	
	CIRCUIT BREAKER AND ENCLOSURE	+60"	
	MAGNETIC STARTER	+60"	
	COMBINATION MAGNETIC STARTER / FUSED DISCONNECT	+60"	
	COMBINATION MAGNETIC STARTER / NON-FUSED DISCONNECT	+60"	
	COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)	+60"	
	COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)	FLOOR OR WALL AS SPECIFIED	TOP AT +72" IF WALL MOUNTED
	LOAD CENTER (SURFACE-MOUNTED)	TOP AT +72"	14"W X 3"D
	LIGHTING AND APPLIANCE PANELBOARD (SURFACE-MOUNTED)	TOP AT +72"	20"W X 6"D
	POWER DISTRIBUTION PANELBOARD	WALL	THESE SYMBOLS ARE GENERAL IN NATURE AND MAY VARY IN SIZE AND SHAPE TO SUIT APPLICATION. CROSS HATCHING INDICATES "MAIN PANELBOARD OR SWITCHBOARD" NAME IS INDICATED IN SEMI-QUOTES (I.E. 'L2A', 'MDP')
	SWITCHBOARD	FLOOR	
	DRY TYPE TRANSFORMER	PAD MOUNT	
	METER BASE	TOP AT +72"	
	PULL BOX		
	HVAC THERMOSTAT	+60"	PROVIDED BY DIVISION 23

TELEPHONE / DATA SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	TELEPHONE OUTLET	+18"	
	DATA OUTLET	+18"	
	COMBINATION TELEPHONE/DATA OUTLET	+18"	
	TELEPHONE TERMINAL BOARD	TOP AT 72"	
	WIRELESS ACCESS POINT	CEILING	

ABBREVIATION SCHEDULE			
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.			
A	ABOVE COUNTER	LFMC	LIQUID-TIGHT METAL CONDUIT
A	AMP OR AMPS	LFNC	LIQUID-TIGHT NONMETAL CONDUIT
ADJ	ADJACENT	LS	LONG-TIME, SHORT-TIME
AFF	ABOVE FINISHED FLOOR	LSI	LONG-TIME, SHORT-TIME INSTANTANEOUS
AHJ	AUTHORITY HAVING JURISDICTION	LSIG	LONG-TIME, SHORT-TIME INSTANTANEOUS
AL	ALUMINUM		
C	CONDUIT	MCA	MINIMUM CIRCUIT AMPS
CB	CIRCUIT BREAKER	MCB	MINIMUM CIRCUIT BREAKER
CCT	CIRCUIT	MLO	MAIN LUGS ONLY
C.O.S	CONVENIENCE OUTLETS	N.C.	NORMALLY CLOSED
CU	COPPER	N.I.C.	NOT IN CONTRACT
DAS	DISTRIBUTED ANTENNA SYSTEM	N.L.	NIGHT LIGHT
E, EX	EXISTING	N.O.	NORMALLY OPEN
EA	EACH	O.C.	ON CENTER(S)
ELEC	ELECTRICAL	OC	OVER CURRENT PROTECTION
EM	EMERGENCY	QTY	QUANTITY
EMT	ELECTRIC METALLIC TUBING	R	REMOVE
ENT	ELECTRIC NONMETALLIC TUBING	REQ.	REQUIREMENTS
EQUIP	EQUIPMENT	RMC	RIGID METAL CONDUIT
EWIC	ELECTRO WATER COOLER	RNC	RIGID NONMETALLIC CONDUIT
EXP	EXPLOSION PROOF	RR	REMOVE AND RELOCATE
FA	FIRE ALARM	SCP	SECURITY CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL	SFL	SUB-FEED LUGS
FLA	FULL LOAD AMPS	SS	SURGE SUPPRESSION
FMC	FLEXIBLE METAL CONDUIT	TR	TAMPER RESISTANT
FOB	FREIGHT ON BOARD	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
FTL	FEED-THROUGH LUGS	TYP	TYPICAL
GND	GROUND CONDUCTOR	U, USB	DUPLEX OUTLET W(2) 3.1A, 12VDC USB
HDA	HAND-OFF-AUTO	U, UO	UNDER FLOOR
HP	HORSE POWER	U, UO	UNDER FLOOR
IG	ISOLATED GROUND	U, UO	UNDER FLOOR
IMC	INTERMEDIATE METAL CONDUIT	UG	UNDERGROUND
INS	INSULATED	USB	UNIVERSAL SERIAL BUS
ISO	ISOLATED	W	WITH
KVA	KILO VOLT AMPERES	WP	WEATHER PROOF
KW	KILOWATTS	XFMR	TRANSFORMER

SHEET INDEX	
EG001	GENERAL NOTES AND SYMBOLS LISTS
ES101	SITE PLAN - ELECTRICAL
ESS01	SITE DETAILS
ED101	DEMOLITION PLAN - SITE
ED102	LEVEL 1 DEMOLITION PLAN - ELECTRICAL
ED701	DEMOLITION ONE LINE DIAGRAM - POWER
EL101	LEVEL 1 REFLECTED CEILING PLAN - LIGHTING
EL501	LIGHTING DETAILS
EL502	LIGHTING DETAILS
EL601	LIGHT FIXTURE SCHEDULE
EP101	LEVEL 1 FLOOR PLAN - POWER
EP401	ENLARGED POWER PLAN
EP402	ENLARGED POWER PLAN - CONFERENCE ROOM
EP501	POWER DETAILS
EP502	TELECOM DETAILS
EP503	TELECOM RISER DIAGRAM
EP701	ONE-LINE DIAGRAM - POWER
EP801	PANEL SCHEDULES
EY101	LEVEL 1 REFLECTED CEILING PLAN - SYSTEMS
EY501	SYSTEMS DETAILS
XE101	WMA OFFICE AV PLANS
XE501	AUDIO VISUAL DETAILS
XE701	AUDIO VISUAL RISER AND EQUIPMENT LIST

GENERAL PROJECT NOTES	
1.	DIVISION 26000 CONTRACTOR IS RESPONSIBLE FOR READING AND APPLYING WHAT IS IN THE SPECIFICATIONS TO THIS PROJECT. ANYTHING THAT IS NOT INCLUDED ON THE PROJECT THAT IS CALLED OUT IN THE SPECIFICATIONS SHALL BE LISTED ON THE SUBSTANTIAL COMPLETION PUNCHLIST. THE CONTRACTOR WILL BE REQUIRED TO REMEDY THESE DEFICIENCIES WITHOUT ADDITIONAL COSTS TO OWNER. THERE WILL BE NO EXCEPTIONS.
2.	THE CONTRACTOR MAY SCHEDULE A PRE-CONSTRUCTION MEETING. AT THEIR DISCRETION, WITH THE ELECTRICAL ENGINEER TO REVIEW THE DRAWINGS AND SPECIFICATIONS. THE MEETING SHALL BE A MAXIMUM OF ONE HOUR AND SHALL TAKE PLACE AT THE ENGINEER'S OFFICE.
3.	THE FOLLOWING ITEMS ARE SOME OF THE REQUIREMENTS THAT ARE LISTED IN THE SPECIFICATIONS. THESE ITEMS ARE NOT ALL INCLUSIVE AND THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE TO ALL REQUIREMENTS OF THE SPECIFICATIONS. <ul style="list-style-type: none"> A. INSULATED THROAT CONNECTORS OR PLASTIC BUSHINGS SHALL BE UTILIZED FOR ALL CONDUIT SIZED USED ON THIS PROJECT. B. THE CONTRACTOR IS RESPONSIBLE FOR UPSIZING CONDUCTORS FOR VOLTAGE DROP PER THE NEC REGARDLESS OF WHETHER IT IS SHOWN ON THE PLANS OR NOT. C. THE CONTRACTOR SHALL LABEL ALL ELECTRICAL EQUIPMENT AS IT IS CALLED OUT IN THE SPECIFICATIONS. D. THE CONTRACTOR SHALL PROVIDE SEISMIC SUPPORT AND BRACING FOR ALL LIGHT FIXTURES AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE LOCAL AND NATIONAL CODES.
4.	THE CONTRACTOR SHALL FOLLOW THE PANELBOARD SCHEDULES AS INDICATED IN THE DRAWINGS. EACH CIRCUIT BREAKER HAS BEEN ASSIGNED TO SPECIFIC AREA OF THE BUILDING. NO DEVIATION WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE ELECTRICAL ENGINEER.
5.	AT A MINIMUM THE CONTRACTOR SHALL INSTALL THE WIRE SIZE AS CALLED OUT ON THE ONE-LINE DIAGRAM. HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE WIRE IS SIZED LARGE ENOUGH TO ALLOW FOR VOLTAGE DROP.
6.	THE CONTRACTOR SHALL VERIFY ALL MECHANICAL OVERCURRENT DEVICES FOR THE ACTUAL MECHANICAL EQUIPMENT SUPPLIED ON THE JOB. PRIOR TO RELEASE OF ANY ELECTRICAL DISTRIBUTION EQUIPMENT, CONTACT THE ELECTRICAL ENGINEER WITH ANY DISCREPANCIES.
7.	THE CONTRACTOR SHALL VISIT THE SITE BEFORE SUBMITTING THE BID, AND SHALL EXAMINE ALL PHYSICAL CONDITIONS WHICH MAY BE MATERIAL TO THE PERFORMANCE OF HIS WORK. NO ADDITIONAL PAYMENTS WILL BE ALLOWED TO THE CONTRACTOR AS A RESULT OF EXTRA WORK MADE NECESSARY BY HIS FAILURE TO DO SO. ANY CASE OF DISCREPANCY OR LACK OF CLARITY SHALL BE PROMPTLY IDENTIFIED TO THE OWNER'S REPRESENTATIVE AND THE ENGINEER FOR CLARIFICATION.

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PROFESSIONAL ENGINEER
7531217-2802
SCOTT A. HARDY
STATE OF UTAH
2020-08-13

CODE OFFICIAL STAMP:



REVIEWED FOR CODE COMPLIANCE
DATE: 08/12/2020

PROJECT NAME:

**OGDEN BAY
WMA OFFICE BUILDING**

4786 S 7500 W, HOOPER, UT 84035

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #: 20419520
SPE PROJECT #: 19-55
DRAWN BY: TCH
CHECKED BY: SH
DESIGNED BY: TCH

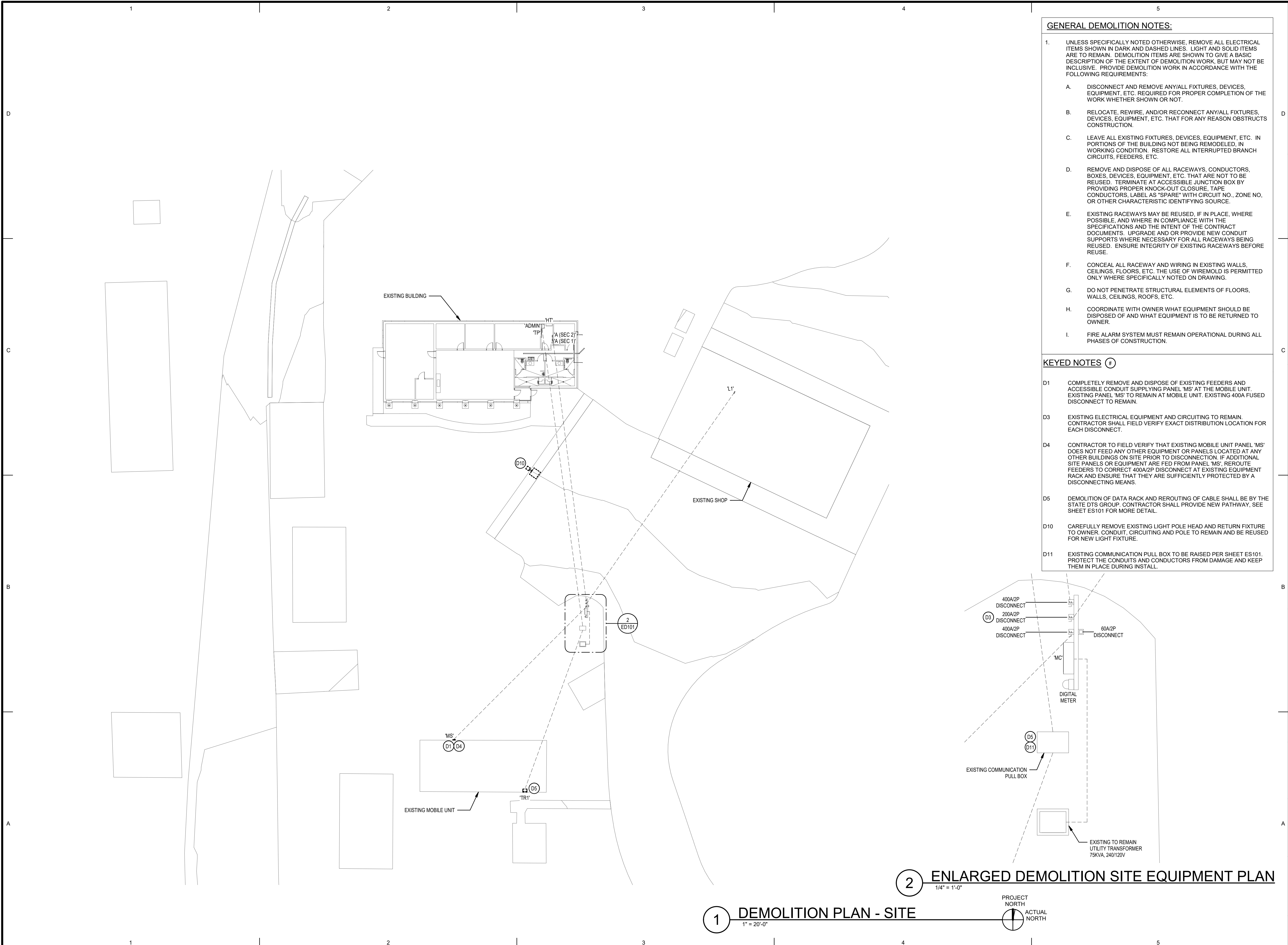
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SHEET TITLE:

**GENERAL NOTES
AND SYMBOLS
LISTS**

SHEET NUMBER:

EG001



GENERAL DEMOLITION NOTES:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - B. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO. OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - F. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - G. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - H. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
 - I. FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.

KEYED NOTES (#)

- D1 COMPLETELY REMOVE AND DISPOSE OF EXISTING FEEDERS AND ACCESSIBLE CONDUIT SUPPLYING PANEL 'MS' AT THE MOBILE UNIT. EXISTING PANEL 'MS' TO REMAIN AT MOBILE UNIT. EXISTING 400A FUSED DISCONNECT TO REMAIN.
- D3 EXISTING ELECTRICAL FIELD AND CIRCUITING TO REMAIN. CONTRACTOR SHALL FIELD VERIFY EXACT DISTRIBUTION LOCATION FOR EACH DISCONNECT.
- D4 CONTRACTOR TO FIELD VERIFY THAT EXISTING MOBILE UNIT PANEL 'MS' DOES NOT FEED ANY OTHER EQUIPMENT OR PANELS LOCATED AT ANY OTHER BUILDINGS ON SITE PRIOR TO DISCONNECTION. IF ADDITIONAL SITE PANELS OR EQUIPMENT ARE FED FROM PANEL 'MS', REROUTE FEEDERS TO CORRECT 400A/2P DISCONNECT AT EXISTING EQUIPMENT RACK AND ENSURE THAT THEY ARE SUFFICIENTLY PROTECTED BY A DISCONNECTING MEANS.
- D5 DEMOLITION OF DATA RACK AND REROUTING OF CABLE SHALL BE BY THE STATE DTS GROUP. CONTRACTOR SHALL PROVIDE NEW PATHWAY, SEE SHEET ES101 FOR MORE DETAIL.
- D10 CAREFULLY REMOVE EXISTING LIGHT POLE HEAD AND RETURN FIXTURE TO OWNER. CONDUIT, CIRCUITING AND POLE TO REMAIN AND BE REUSED FOR NEW LIGHT FIXTURE.
- D11 EXISTING COMMUNICATION PULL BOX TO BE RAISED PER SHEET ES101. PROTECT THE CONDUITS AND CONDUCTORS FROM DAMAGE AND KEEP THEM IN PLACE DURING INSTALL.

2 ENLARGED DEMOLITION SITE EQUIPMENT PLAN
1/4" = 1'-0"

1 DEMOLITION PLAN - SITE
1" = 20'-0"



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OGDEN BAY WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

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NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

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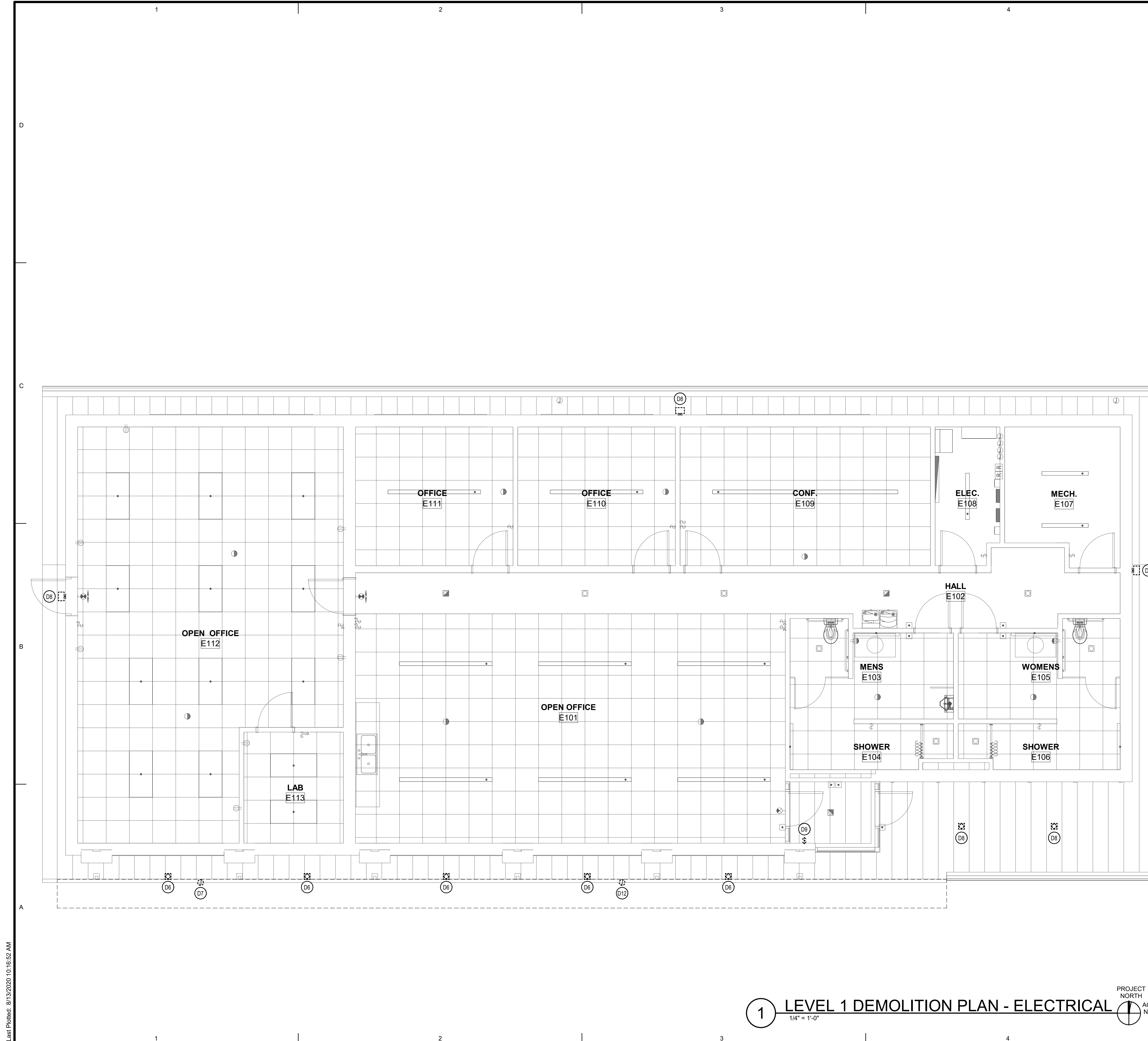
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DESIGNED BY: TCH

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SHEET TITLE:
DEMOLITION PLAN - SITE

SHEET NUMBER:
ED101



GENERAL DEMOLITION NOTES:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - B. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE. TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO. OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - F. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - G. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - H. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
 - I. FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.

KEYED NOTES (#)

- D6 REMOVE, PROTECT AND RETURN EXISTING LIGHT FIXTURE TO OWNER. REMOVE CONDUIT AND CIRCUITING TO SOURCE AS ACCESSIBLE. WHERE CIRCUITING TO REMAINING FIXTURES HAVE BEEN DEMOLISHED, PROVIDE NEW CONNECTION TO NEAREST AVAILABLE SOURCE IN EXISTING CIRCUIT.
- D7 REMOVE AND DISPOSE OF EXISTING HEAT TRACE JUNCTION BOX AND ASSOCIATED CIRCUITING ON SOUTH SIDE OF EXISTING BUILDING. REMOVE CONDUIT AND CIRCUITING TO NEAREST SOURCE AS ACCESSIBLE.
- D8 REMOVE, PROTECT AND RETURN EXISTING LIGHT FIXTURE TO OWNER. CONDUIT AND CIRCUITING TO REMAIN AND BE REUSED FOR NEW LIGHT FIXTURE.
- D9 REMOVE AND DISPOSE OF EXISTING LIGHT SWITCH. CONDUIT AND CIRCUITING TO REMAIN AND BE REUSED FOR NEW THREE WAY SWITCH.
- D12 CAREFULLY DISCONNECT AND RELOCATE EXISTING HEAT TRACE JUNCTION BOX AND ASSOCIATED CIRCUITING ON SOUTH EAST SIDE OF EXISTING BUILDING. REROUTE EXISTING CONDUIT TO NEW LOCATION. REMOVE EXISTING HEAT TRACE FROM RAIN GUTTERS AND DRAINS THAT WILL BE DEMOLISHED. SEE 3/EP401 FOR NEW JUNCTION BOX LOCATION.

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**OGDEN BAY
WMA OFFICE BUILDING**

4786 S 7500 W, HOOPER, UT 84315

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OWNER PROJECT #: 20419520
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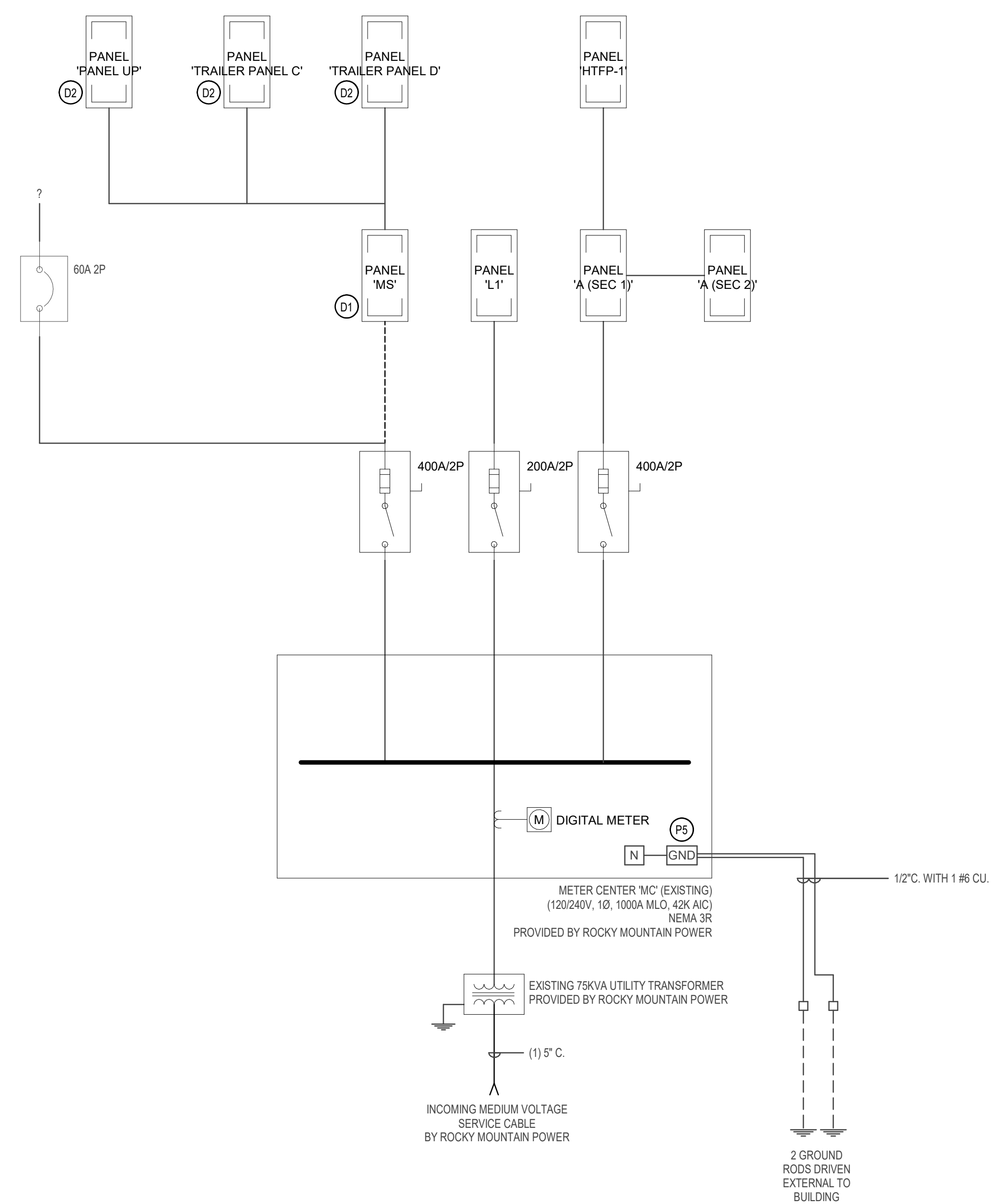
**LEVEL 1
DEMOLITION
PLAN -
ELECTRICAL**

SHEET NUMBER:

ED102

1 LEVEL 1 DEMOLITION PLAN - ELECTRICAL
 1/4" = 1'-0" PROJECT NORTH ACTUAL NORTH

Last Plotted: 8/13/2020 10:16:52 AM



1 DEMOLITION ONE-LINE DIAGRAM POWER
SCALE: 12" = 1'-0"

GENERAL DEMOLITION NOTES:

1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
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 - H. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
 - I. FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.

KEYED NOTES (#)

- D1 COMPLETELY REMOVE AND DISPOSE OF EXISTING FEEDERS AND ACCESSIBLE CONDUIT SUPPLYING PANEL 'MS' AT THE MOBILE UNIT. EXISTING PANEL 'MS' TO REMAIN AT MOBILE UNIT. EXISTING 400A FUSED DISCONNECT TO REMAIN.
- D2 EXISTING CONDUITS, BRANCH PANELS AND EQUIPMENT ATTACHED TO THE MOBILE UNIT TO REMAIN AND REMAIN CONNECTED TO PANEL 'MS'.
- P5 ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THAT NEUTRAL AND GROUND BUS BARS ARE BONDED IN UTILITY TRANSFORMER OR EXISTING METER CENTER 'MC'.



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PROJECT NAME:
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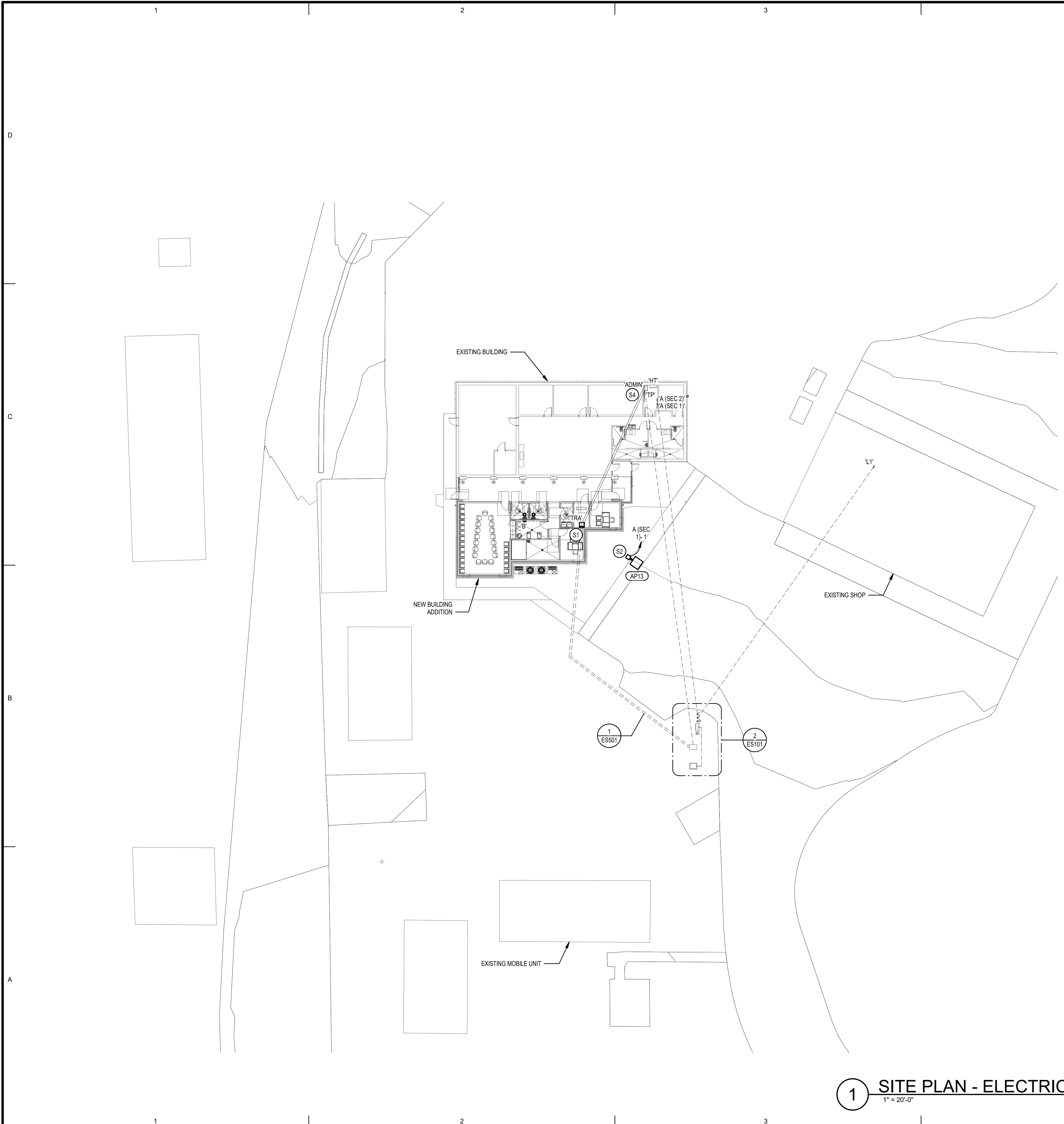
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SPE PROJECT #: 19-55
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SHEET TITLE:
**DEMOLITION ONE
LINE DIAGRAM -
POWER**

SHEET NUMBER:
ED701



1 SITE PLAN - ELECTRICAL
1" = 20'-0"

SITE GENERAL NOTES:

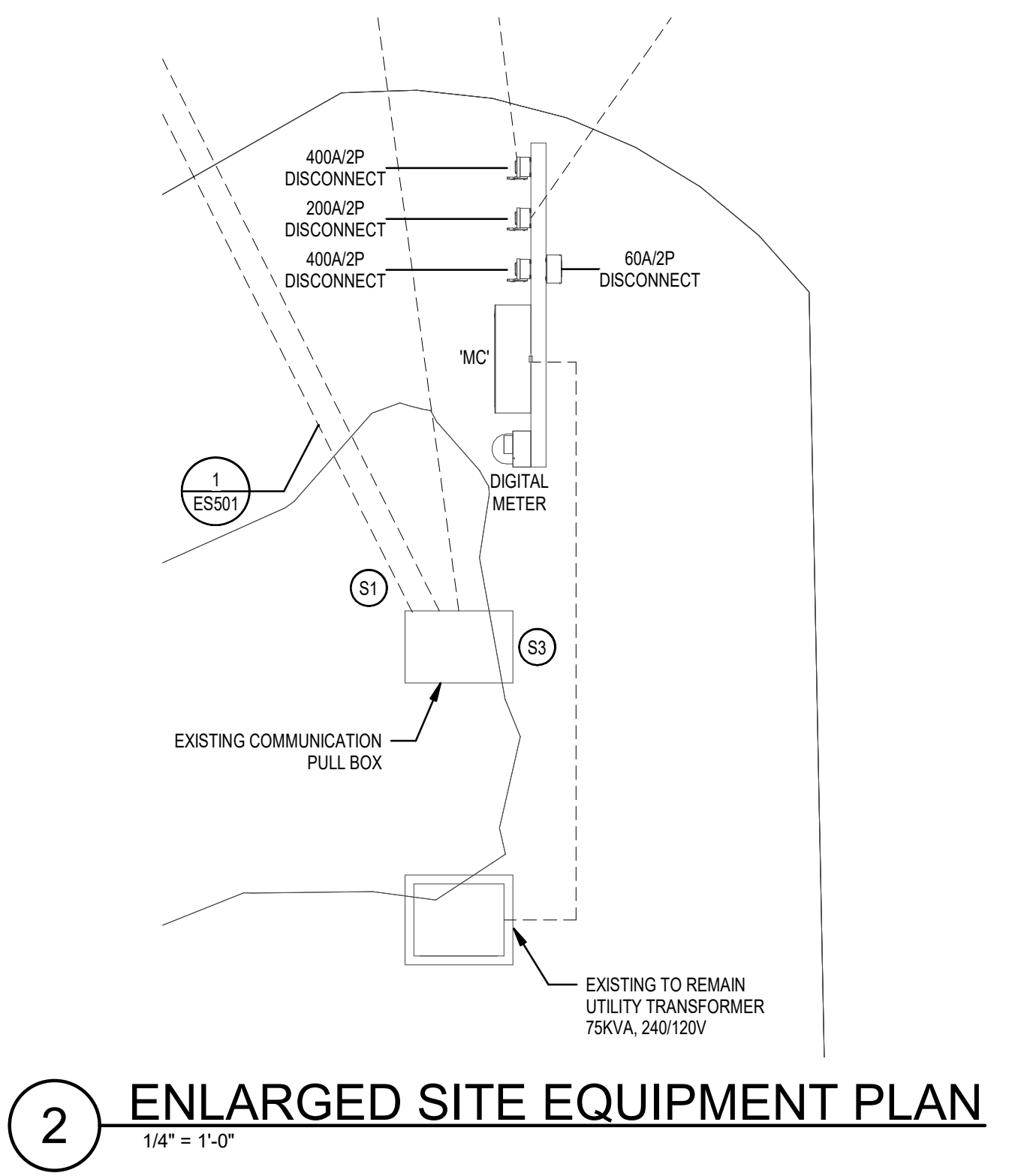
1. PROVIDE ALL REQUIRED BACKFILLING, ETC. FOR ALL CONDUITS, PROVIDE REQUIRED BACKFILL MATERIAL AS DIRECTED BY EACH UTILITY.
2. COORDINATE ALL LOCATIONS AND ROUTING WORK IN THE FIELD.
3. ROUTE CONDUITS A MINIMUM OF 6" BELOW THE BUILDING FLOOR SLAB.
4. MINIMUM CONDUIT FOR SITE WORK SHALL BE 1".
5. CONDUIT ROUTING SHOWN IS SCHEMATIC AND FOR CLARIFICATION COORDINATE LOCATION WITH ALL AFFECTED TRADES.
6. PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND COMMUNICATION CONDUITS.
7. ALL CONDUITS THAT EXTEND THROUGH CONCRETE SHALL BE GALVANIZED RIGID CONDUIT AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
8. ALL ELBOWS THAT ARE UNDER THE FINISHED GRADE SHALL BE GALVANIZED RIGID CONDUIT AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.

UTILITY REQUIREMENTS:

1. BURY CONDUITS PER UTILITY REQUIREMENTS. REFER TO SITE DETAIL SHEETS FOR TRENCHING REQUIREMENTS.

KEYED NOTES (#)

- S1 CONTRACTOR SHALL ROUTE (2) 4" C WITH PULL STRING FROM EXISTING RAISED COMMUNICATIONS PULL BOX TO NEW TELECOM RACK LOCATED IN COM. RM 106. DATA CABLING SHALL BE PROVIDED AND INSTALLED BY STATE DTS GROUP.
- S2 PROVIDE AND INSTALL NEW LIGHT POLE HEAD, TIE LIGHT FIXTURE INTO EXISTING CIRCUITING. ENSURE THAT LIGHT POLE IS STILL CONTROLLED BY LIGHTING CONTRACTOR IN EXISTING ELECTRICAL ROOM E108.
- S3 CONTRACTOR SHALL ADD A CARSON H3048 SERIES EXTENSION RING TO THE BOTTOM OF COMMUNICATIONS PULL BOX TO RAISE BOX A MINIMUM OF 12". ENSURE THAT EXTENSION RING IS COMPATIBLE WITH PULL BOX PRIOR TO ORDER. SEAL THE JOINT WITH 100% SILICONE BETWEEN THE EXTENSION RING AND PULL BOX TO WATER PROOF THE JOINT. REFER TO CIVIL ENGINEERING DRAWINGS FOR EXACT GRADE FINISH AROUND PULL BOX TO ALLOW WATER TO DRAIN AWAY FROM BOX. PROTECT THE CONDUITS AND CONDUCTORS FROM DAMAGE AND KEEP THEM IN PLACE DURING INSTALL.
- S4 CONTRACTOR SHALL ROUTE (2) 2" C WITH PULL STRING FROM EXISTING 'ADMIN' DATA RACK, LOCATED IN EXISTING ELECTRICAL ROOM E108, TO NEW 'TRA' DATA RACK, LOCATED IN NEW COM. ROOM 106. DATA CABLING SHALL BE PROVIDED AND INSTALLED BY STATE DTS GROUP.



2 ENLARGED SITE EQUIPMENT PLAN
1/4" = 1'-0"

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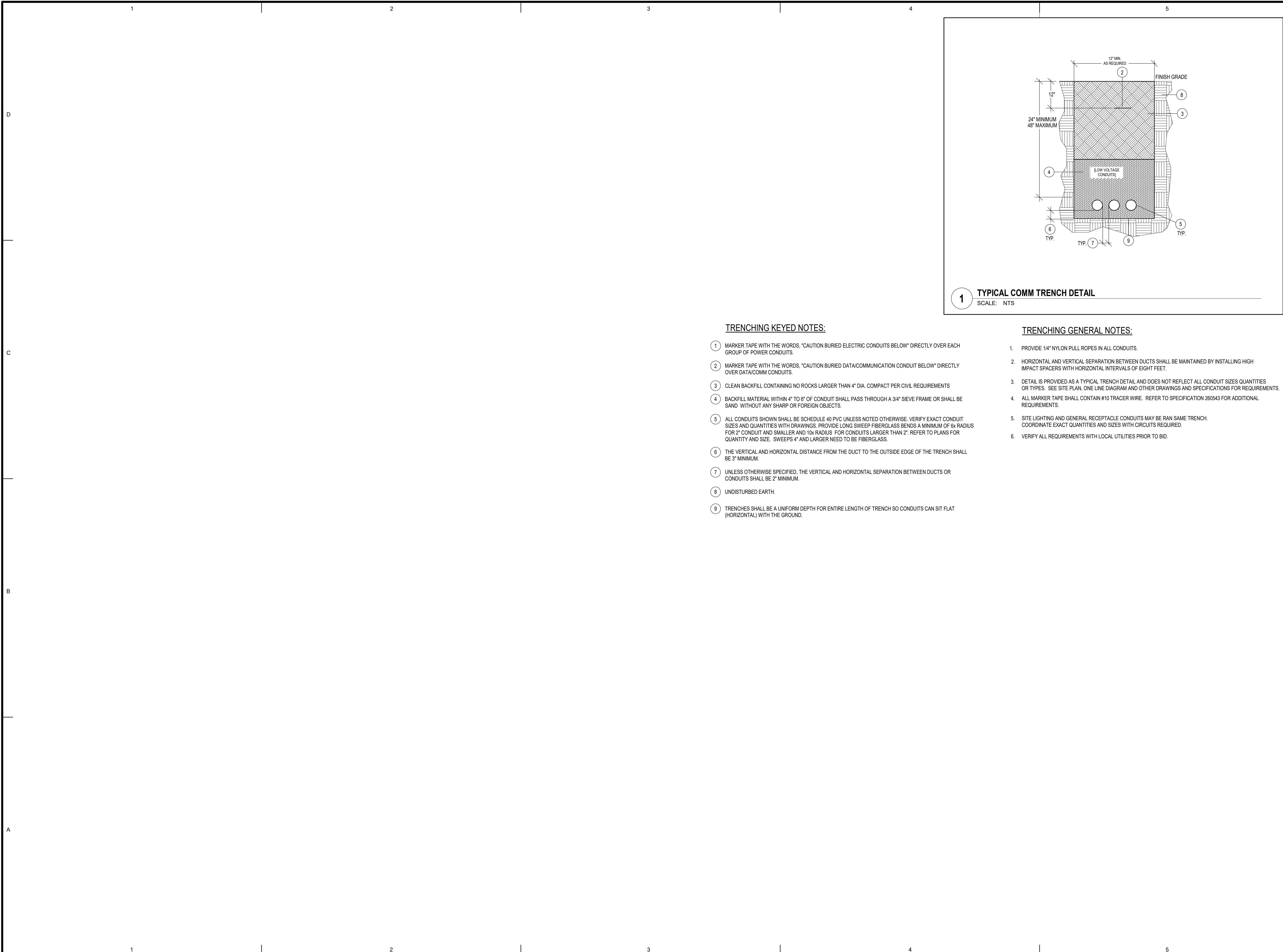
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SHEET TITLE:
**SITE PLAN -
ELECTRICAL**

SHEET NUMBER:
ES101



1 TYPICAL COMM TRENCH DETAIL
SCALE: NTS

TRENCHING KEYED NOTES:

- ① MARKER TAPE WITH THE WORDS, "CAUTION BURIED ELECTRIC CONDUITS BELOW" DIRECTLY OVER EACH GROUP OF POWER CONDUITS.
- ② MARKER TAPE WITH THE WORDS, "CAUTION BURIED DATA/COMMUNICATION CONDUIT BELOW" DIRECTLY OVER DATA/COMM CONDUITS.
- ③ CLEAN BACKFILL CONTAINING NO ROCKS LARGER THAN 4" DIA. COMPACT PER CIVIL REQUIREMENTS
- ④ BACKFILL MATERIAL WITHIN 4" TO 6" OF CONDUIT SHALL PASS THROUGH A 3/4" SIEVE FRAME OR SHALL BE SAND WITHOUT ANY SHARP OR FOREIGN OBJECTS.
- ⑤ ALL CONDUITS SHOWN SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE. VERIFY EXACT CONDUIT SIZES AND QUANTITIES WITH DRAWINGS. PROVIDE LONG SWEEP FIBERGLASS BENDS A MINIMUM OF 6x RADIUS FOR 2" CONDUIT AND SMALLER AND 10x RADIUS FOR CONDUITS LARGER THAN 2". REFER TO PLANS FOR QUANTITY AND SIZE. SWEEPS 4" AND LARGER NEED TO BE FIBERGLASS.
- ⑥ THE VERTICAL AND HORIZONTAL DISTANCE FROM THE DUCT TO THE OUTSIDE EDGE OF THE TRENCH SHALL BE 3" MINIMUM.
- ⑦ UNLESS OTHERWISE SPECIFIED, THE VERTICAL AND HORIZONTAL SEPARATION BETWEEN DUCTS OR CONDUITS SHALL BE 2" MINIMUM.
- ⑧ UNDISTURBED EARTH.
- ⑨ TRENCHES SHALL BE A UNIFORM DEPTH FOR ENTIRE LENGTH OF TRENCH SO CONDUITS CAN SIT FLAT (HORIZONTAL) WITH THE GROUND.

TRENCHING GENERAL NOTES:

- 1. PROVIDE 1/4" NYLON PULL ROPES IN ALL CONDUITS.
- 2. HORIZONTAL AND VERTICAL SEPARATION BETWEEN DUCTS SHALL BE MAINTAINED BY INSTALLING HIGH IMPACT SPACERS WITH HORIZONTAL INTERVALS OF EIGHT FEET.
- 3. DETAIL IS PROVIDED AS A TYPICAL TRENCH DETAIL AND DOES NOT REFLECT ALL CONDUIT SIZES QUANTITIES OR TYPES. SEE SITE PLAN, ONE LINE DIAGRAM AND OTHER DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.
- 4. ALL MARKER TAPE SHALL CONTAIN #10 TRACER WIRE. REFER TO SPECIFICATION 260543 FOR ADDITIONAL REQUIREMENTS.
- 5. SITE LIGHTING AND GENERAL RECEPTACLE CONDUITS MAY BE RAN SAME TRENCH. COORDINATE EXACT QUANTITIES AND SIZES WITH CIRCUITS REQUIRED.
- 6. VERIFY ALL REQUIREMENTS WITH LOCAL UTILITIES PRIOR TO BID.

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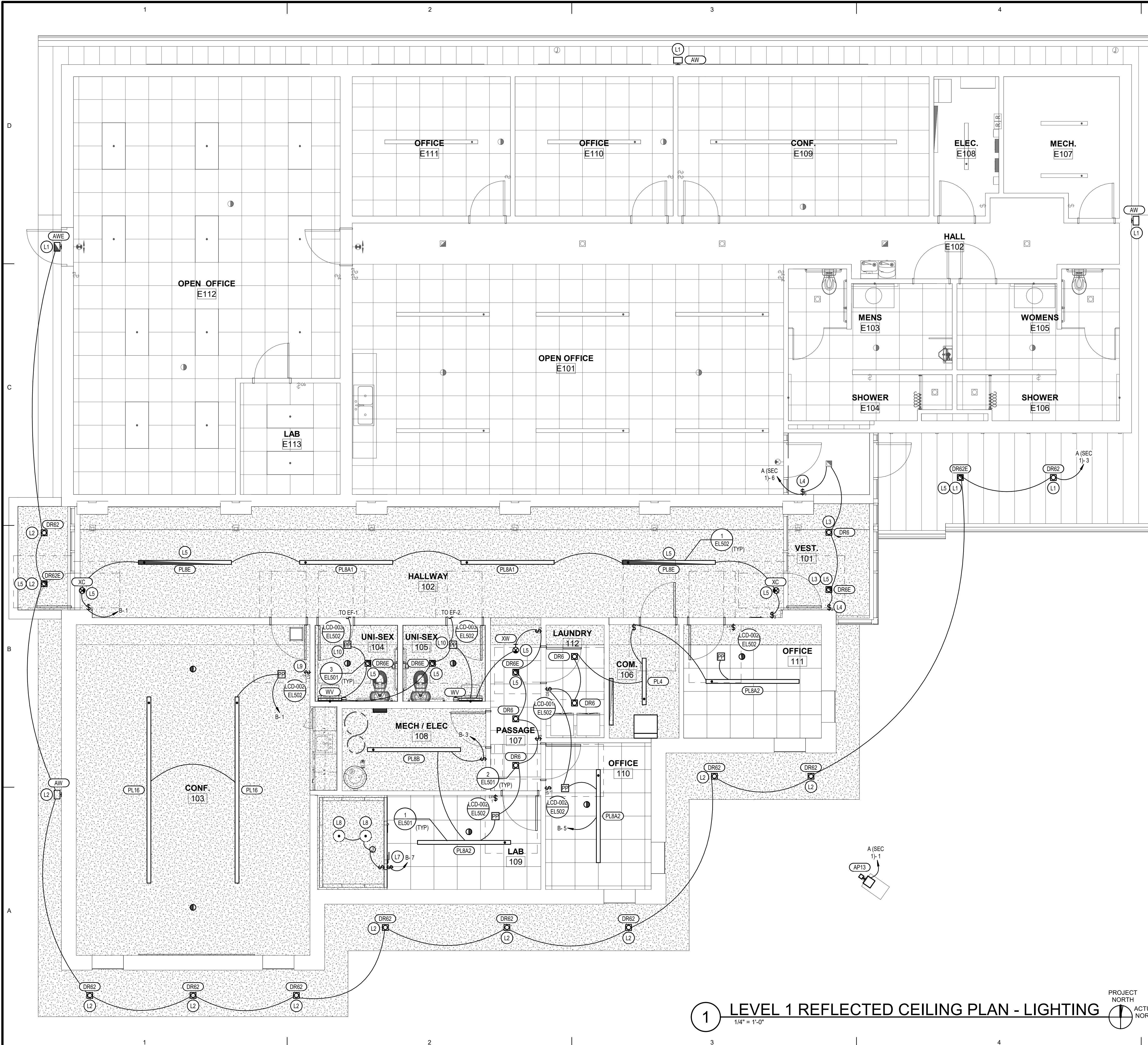
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SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
ES501



LIGHTING GENERAL NOTES:

- REFER TO LIGHTING DETAILS SHEETS FOR TYPICAL CONTROL WIRING DIAGRAMS. PROVIDE COMPLETE SYSTEM WITH ALL REQUIRED CONDUIT, WIRING, SWITCHES, SENSORS, POWER PACK, ETC.
- LOCATE POWER PACKS AND ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING NEAR ROOM ENTRANCES.
- CONFIRM ALL LOCATIONS OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE UNSWITCHED HOT FOR ALL EMERGENCY LIGHTS AND BATTERY PACKS.

KEYED NOTES (K)

- PROVIDE AND INSTALL NEW LIGHT FIXTURE IN SAME LOCATION AS EXISTING. TIE NEW LIGHT FIXTURE TO EXISTING LIGHTING CIRCUIT AND CONTACTOR CONTROLS.
- TIE NEW LIGHT FIXTURE TO EXISTING EXTERIOR LIGHTING CIRCUIT AND CONTROLS. ENSURE THAT THE NEW FIXTURES ARE CIRCUITED THROUGH THE LIGHTING CONTACTOR IN EXISTING ELECTRICAL ROOM E108.
- TIE NEW LIGHT FIXTURE TO EXISTING VESTIBULE SWITCHED LIGHTING CIRCUIT.
- EXTEND PROPER CIRCUITING AND TIE NEW LIGHT SWITCH INTO NEW VESTIBULE THREE WAY SWITCH SYSTEM.
- EXTEND A HOT CONDUCTOR AHEAD OF THE SWITCH OR CONTACTOR TO THE EMERGENCY BATTERY PACK.
- PROVIDE NEW 120V CIRCUIT FOR WALK IN COOLER LIGHTING. SEE TYPICAL COLD STORAGE ROOM ELEC. DIAGRAM SHEET FS-102 FOR WALK IN COOLER LIGHTING CONNECTIONS.
- WALK IN COOLER LIGHT FIXTURES PROVIDED AND FURNISHED LOOSE BY KITCHEN EQUIPMENT CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL ALL ITEMS FURNISHED LOOSE INCLUDING ALL INTERCONNECTING CONDUIT AND WIRING.
- PROVIDE MANUFACTURER RECOMMENDED CABLE FOR 0-10V DIMMING CAPABILITY IN THIS SPACE.
- TIE EXHAUST FAN TO RESTROOM LIGHTING CIRCUIT. EXHAUST FAN SHALL BE CONTROLLED BY OCCUPANCY SENSOR THROUGH POWER PACK. SEE EL101 AND LCD-003/EL502 FOR CIRCUITING.

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SHEET TITLE:
**LEVEL 1
 REFLECTED
 CEILING PLAN -
 LIGHTING**

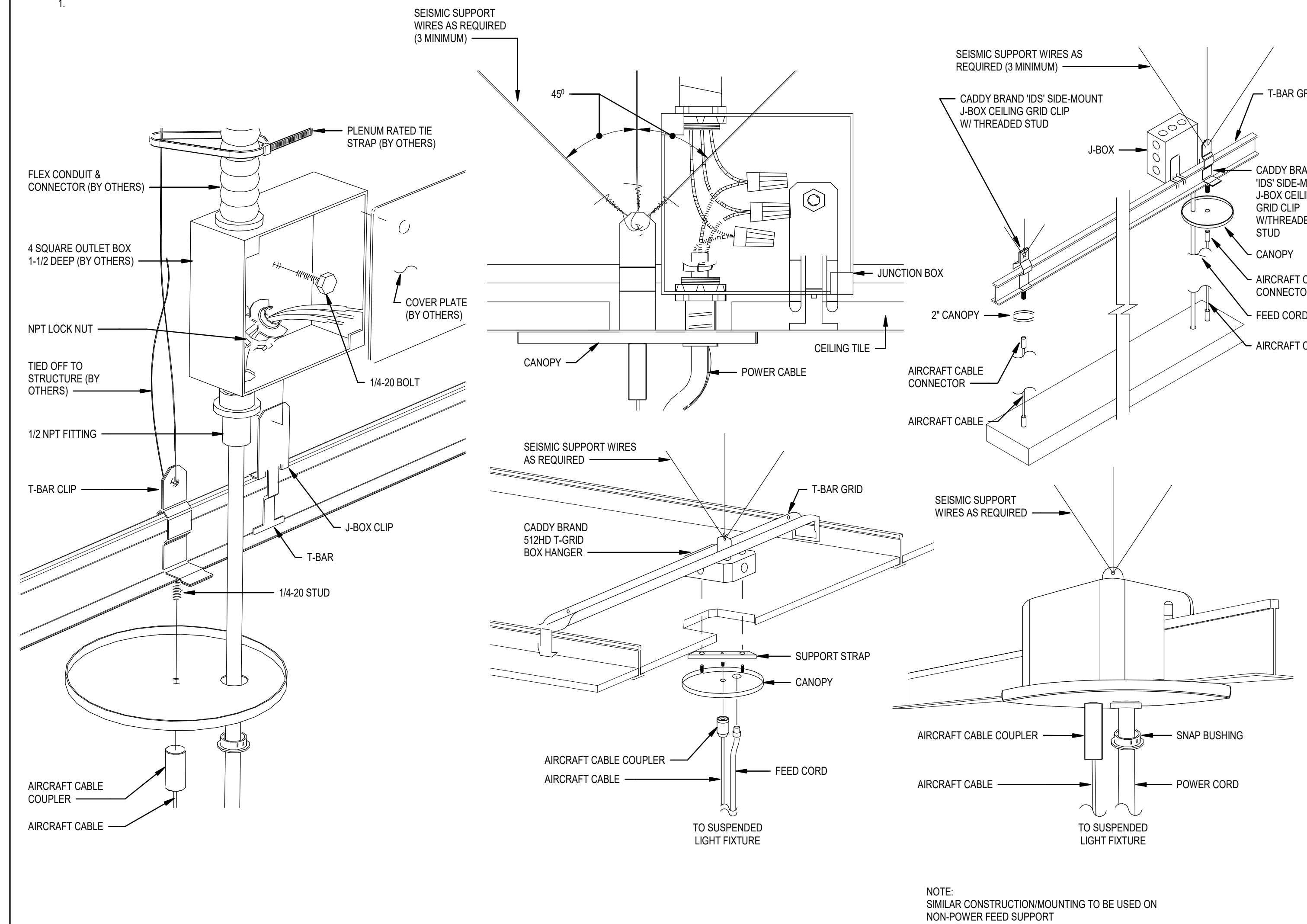
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EL101

1 LEVEL 1 REFLECTED CEILING PLAN - LIGHTING
 1/4" = 1'-0"

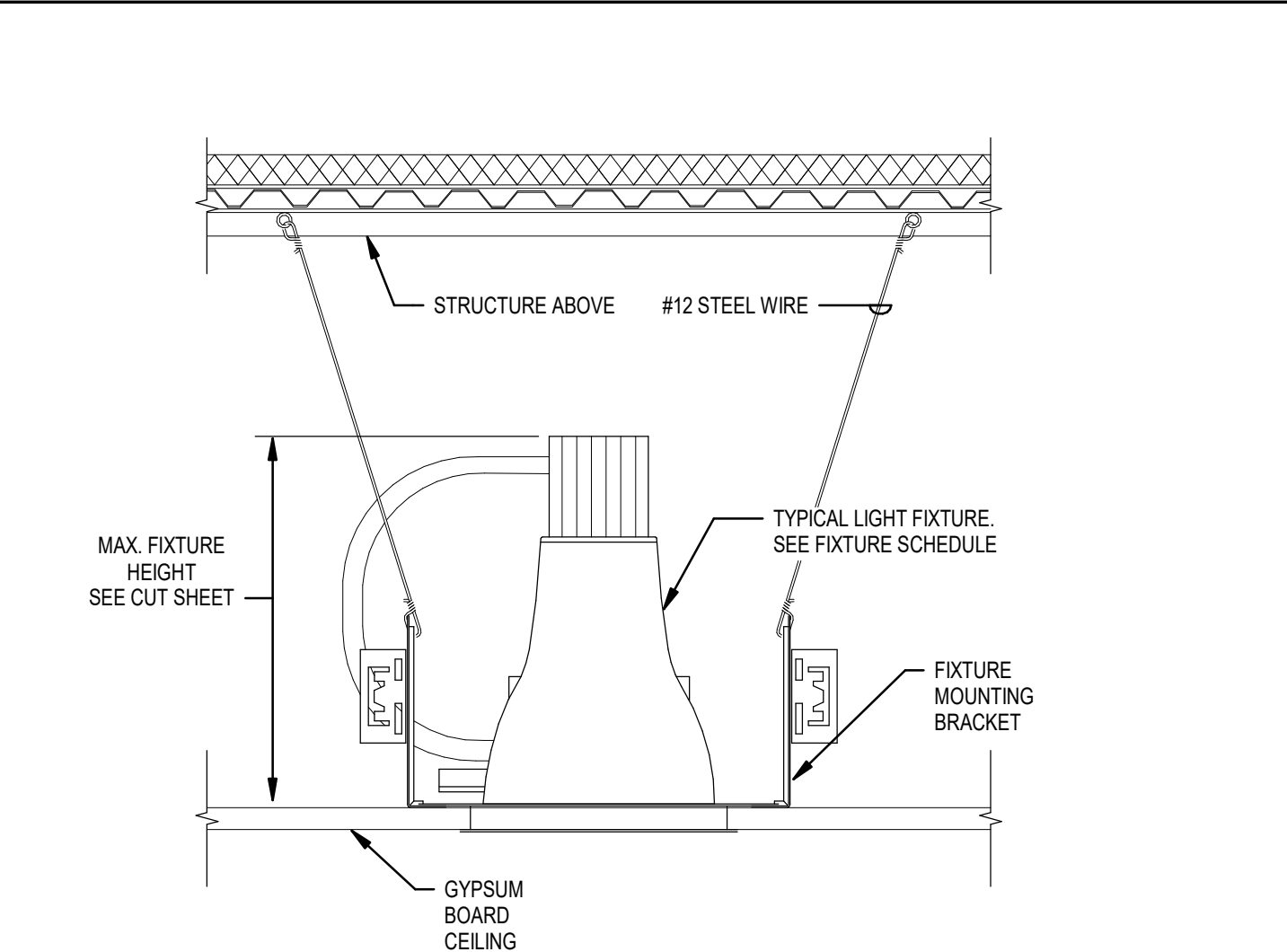
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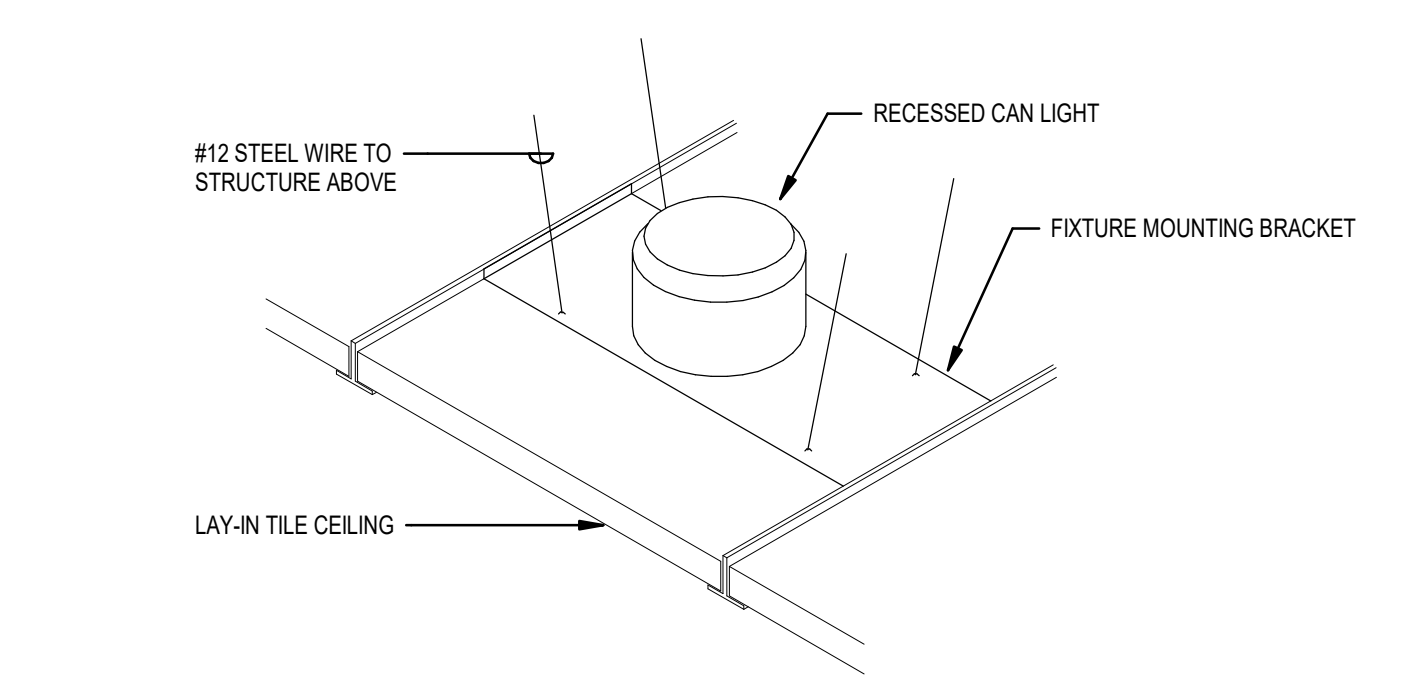


1 SUSPENDED LIGHT FIXTURE DETAIL
SCALE: NTS



3 RECESSED CAN GYP MOUNTING DETAIL
SCALE: NTS

- GENERAL NOTES:**
1. FIXTURE SHALL BE CENTERED IN CEILING TILE.
 2. COORDINATE WITH MECHANICAL DUCTWORK AND EQUIPMENT.



2 RECESSED CAN GRID MOUNTING DETAIL
SCALE: NTS

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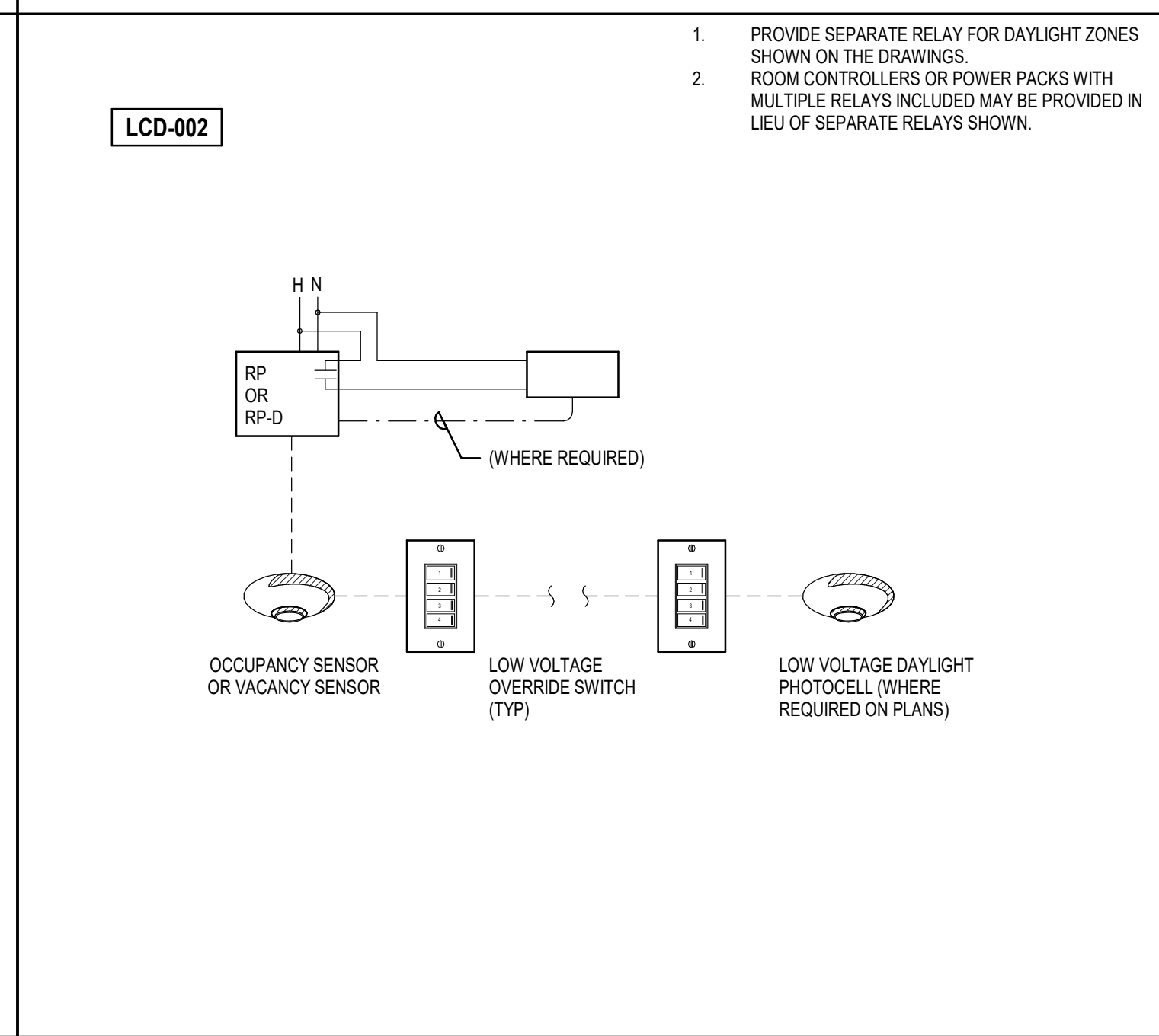
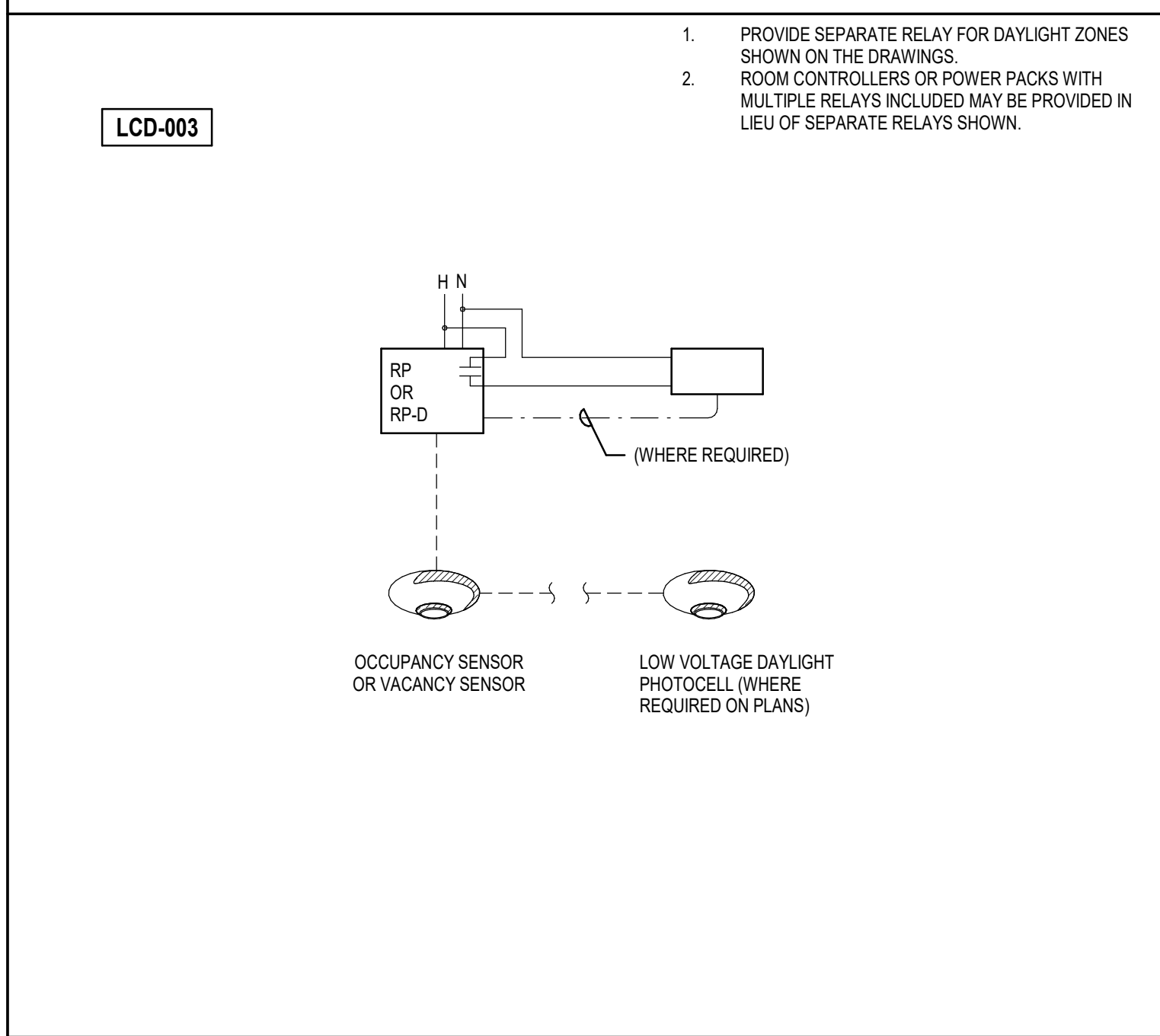
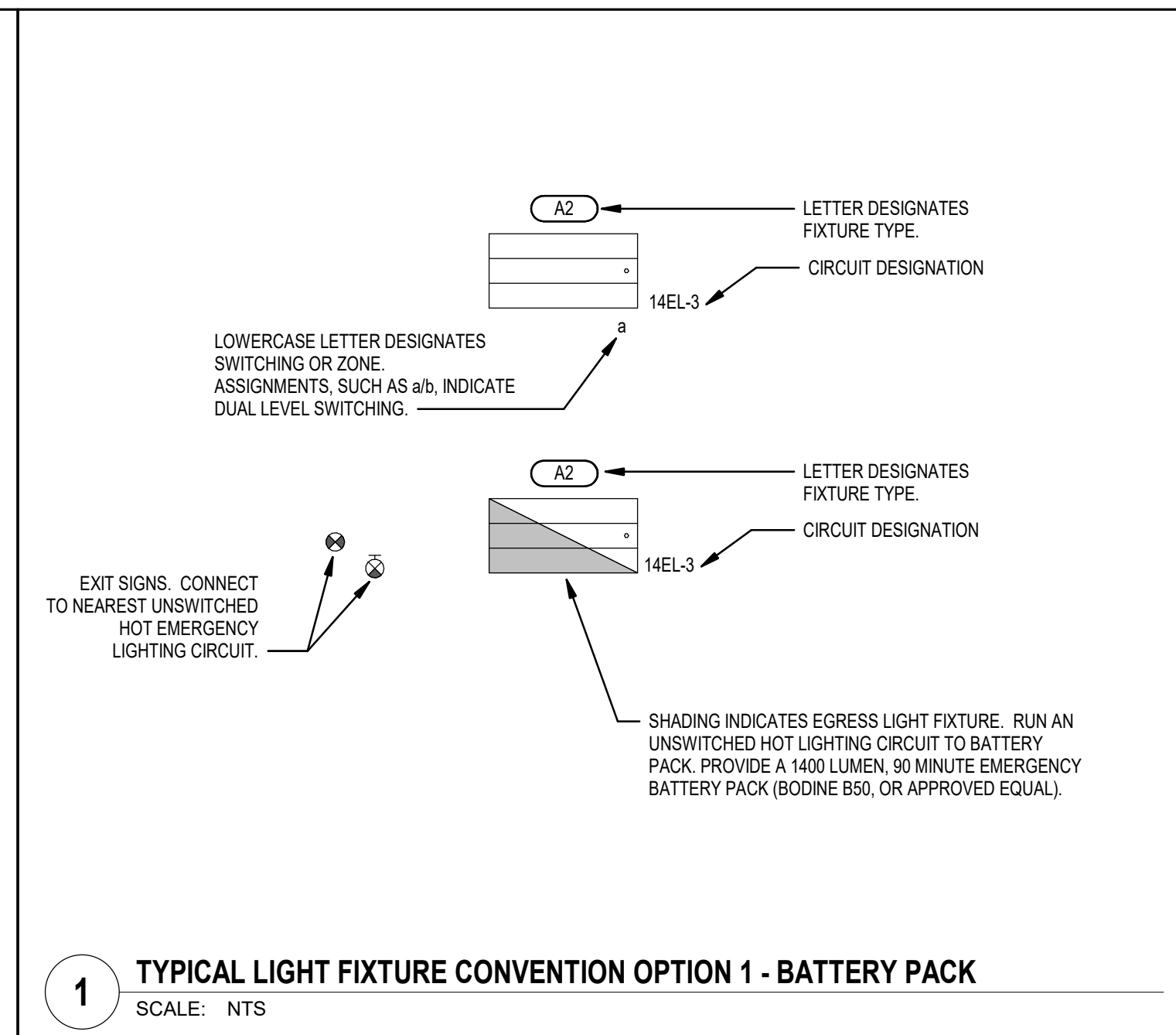
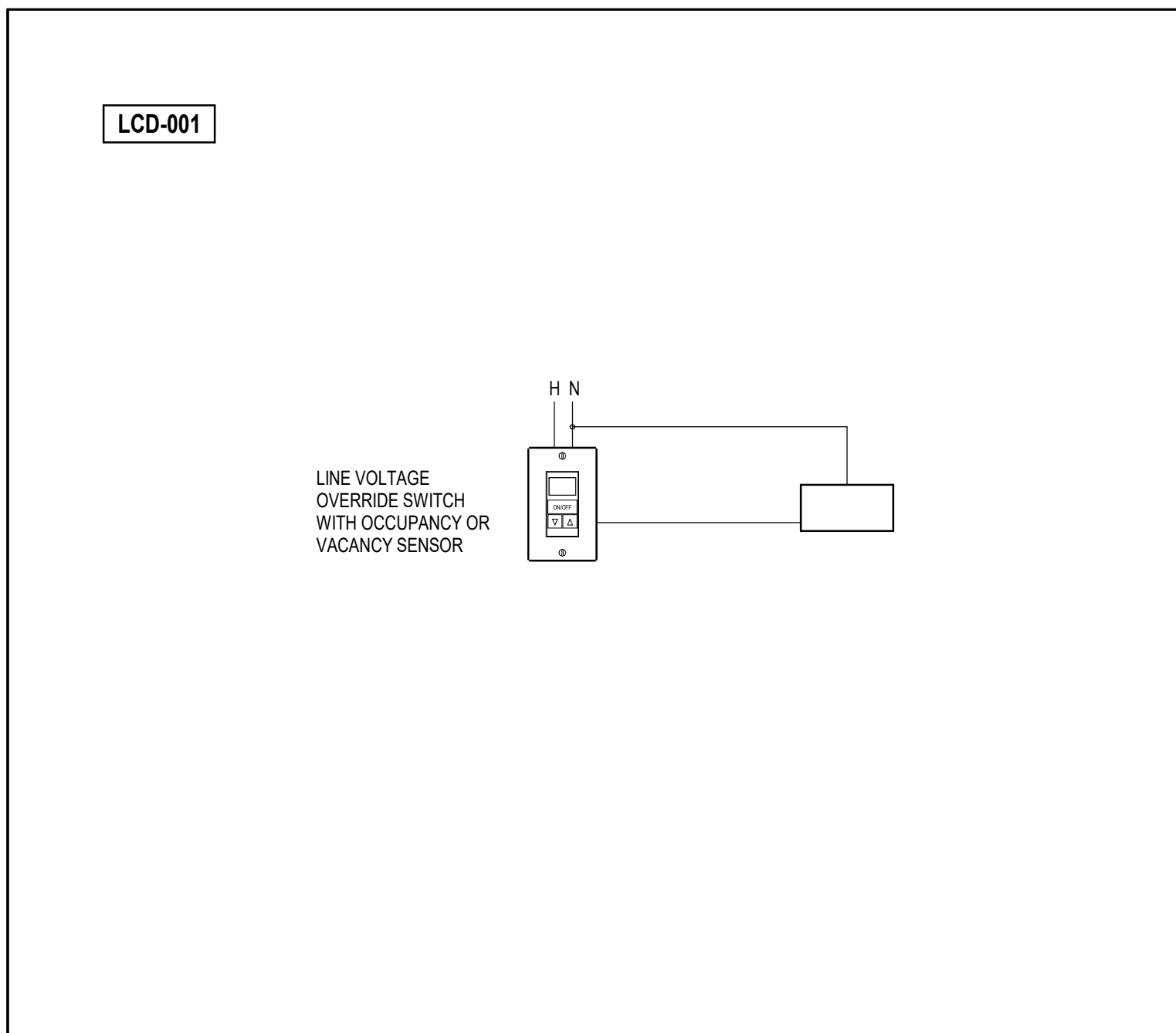
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SHEET TITLE:
**LIGHTING
DETAILS**

SHEET NUMBER:
EL501

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LIGHTING WIRING DIAGRAMS

SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	LIGHT SWITCH	+48"	
	LOW VOLTAGE LIGHT SWITCH	+48"	"X" NUMBER INDICATES SWITCH TYPE SEE SWITCH SCHEDULE
	WALL MOUNT GRAPHIC TOUCH PAD CONTROLLER	+48"	SEE SWITCH SCHEDULE FOR SETTINGS
	OCCUPANCY SENSOR OR VACANCY SENSOR (AS NOTED ON PLANS)	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE
	DIGITAL DAYLIGHT SENSOR	CEILING	# SPECIFIES THE FOOTCANDLE SETTING THE SENSOR SHALL BE SET TO "a" LOWER CASE LETTER SPECIFIES ZONE
	NORMAL POWER LIGHTING LOAD	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE
	EMERGENCY POWER LIGHTING LOAD	CEILING	"a" LOWER CASE LETTER SPECIFIES ZONE
	RP: RELAY PACK RP-D: DIMMING RELAY PACK LC: RECEPTACLE LOAD CONTROLLER	ABOVE ACCESSIBLE CEILING	RELAYS MAY BE COMBINED IN ROOM CONTROLLER OR POWER PACKS.
	ER: EMERGENCY RELAY PACK ER-D: EMERGENCY DIMMING RELAY PACK	ABOVE ACCESSIBLE CEILING	RELAYS MAY BE COMBINED IN ROOM CONTROLLER OR POWER PACKS.
	3/4" WITH LIGHTING BRACH CIRCUIT WIRING		
	3/4" WITH 0-10V DIMMING WIRING		
	3/4" WITH CAT 5 CABLING		

- LIGHTING CONTROL NOTES**
- PROGRAMMING SHALL BE COMPLETED BY THE CONTRACTOR PRIOR TO SUBSTANTIAL COMPLETION.
 - CONTRACTOR SHALL MODIFY PROGRAMMING AND PRESET SCENES AS REQUESTED BY OWNER.
 - PROVIDE FINE TUNING PROGRAMMING MODIFICATIONS AS REQUESTED BY THE OWNER WITHIN 6 MONTHS AFTER BUILDING OCCUPANCY.
 - IN ADDITION TO PRESET SCENES PROVIDE INDIVIDUAL CONTROL FOR EACH ZONE.
 - ALL WIRING DIAGRAMS ARE GENERAL IN NATURE. SPECIFIC CONFIGURATION AND QUANTITIES DUE TO MANUFACTURE AVAILABILITY WILL VARY. CONTRACTOR MUST PROVIDE ALL REQUIRED PARTS OF THE SYSTEM TO PERFORM AS INTENDED.
 - REFER TO FLOOR PLANS FOR EXACT DEVICE COUNT, DEVICE TYPE, QUANTITY OF POWER PACKS, AND PHOTOCELL SETTINGS.

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SHEET TITLE:
**LIGHTING
DETAILS**

SHEET NUMBER:
EL502

LOW VOLTAGE PUSHBUTTON SCHEDULE

SWITCH ID	SWITCH CONFIGURATION	BUTTONS - AREA/LOAD CONTROLLED						PROGRAMMING NOTES:	
		B-1	B-2	B-3	B-4	B-5	B-6		B-7
1	1 BUTTON	ALL ON/OFF							
2	4 BUTTON	ALL ON/OFF	NORTH LAMPS	SOUTH LAMPS	RAISE/LOWER				

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	SOURCE	ELECTRICAL		APPROVED MANUFACTURERS	CATALOG INFORMATION		COMMENTS / NOTES
			VOLTAGE	LOAD		CATALOG NUMBER / SERIES		
AP13	LED AREA LUMINAIRE 33" X 13" X 7.5" SQUARE POLE SIDE MOUNTING KIT DIE-CAST ALUMINUM HOUSING BLACK POWDER COAT FINISH TYPE II DISTRIBUTION TYPE	LED 12582 LUMENS 4000K	120 V	102	LITHONIA LIGHTING COOPER LIGHTING	DSX1 LED P3 40K T3M MVOLT SPA GLEON SERIES		CONTRACTOR TO VERIFY EXACT COLOR FINISH WITH ARCHITECT PRIOR TO ORDERING. PROVIDE LUMINAIRE WITH ALL COMPONENTS SUCH AS, MOUNTING HARDWARE, WIRING, ETC., REQUIRED TO MAKE THE COMPLETE OPERATING ASSEMBLIES SHOWN ON THE CONTRACT DOCUMENTS. ALL FASTENERS, MOUNTING BOLTS, NUTS, ETC., SHALL BE MANUFACTURED OF 316 STAINLESS STEEL.
AW	LED WALL PACK LIGHT FIXTURE 16 3/8" X 7 1/4" X 9" WALL MOUNTED DIE-CAST ALUMINUM HOUSING COLOR SELECTED BY ARCHITECT POLYMER REFRACTOR LENS	LED 2944 LUMENS 4000K	120 V	28	GARDCO LITHONIA LIGHTING COOPER LIGHTING	101L-16L-530-NW-G1-2-UNV WST LED P2 SERIES LUMARK WP SERIES		CONTRACTOR TO VERIFY EXACT COLOR FINISH WITH ARCHITECT PRIOR TO ORDERING.
AWE	LED WALL PACK LIGHT FIXTURE 16 3/8" X 7 1/4" X 9" WALL MOUNTED DIE-CAST ALUMINUM HOUSING COLOR SELECTED BY ARCHITECT POLYMER REFRACTOR LENS EMERGENCY BATTERY PACK, COLD WEATHER	LED 2944 LUMENS 4000K	120 V	28	GARDCO LITHONIA LIGHTING COOPER LIGHTING	101L-16L-530-NW-G1-2-EBPC-UNV WST LED P2 SERIES LUMARK WP SERIES		CONTRACTOR TO VERIFY EXACT COLOR FINISH WITH ARCHITECT PRIOR TO ORDERING.
DR6	RECESSED LED OPEN DOWNLIGHT 6" ROUND APERTURE SELF FLANGED CLEAR TRIM MATTE DIFFUSE FINISH	LED 1500 LUMENS 0-10V DIMMING 3500K	120 V	18	LITHONIA LIGHTING GOTHAM LIGHTING PRESCOLITE	LDN6 35/15 L06 AR LD MVOLT GZ10 EV06 SERIES LF8 OPEN SERIES		
DR6E	RECESSED LED OPEN DOWNLIGHT 6" ROUND APERTURE SELF FLANGED CLEAR TRIM MATTE DIFFUSE FINISH EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH	LED 1500 LUMENS 0-10V DIMMING 3500K	120 V	18	LITHONIA LIGHTING GOTHAM LIGHTING PRESCOLITE	LDN6 35/15 L06 AR LD MVOLT GZ10 EL EV06 SERIES LF8 OPEN SERIES		
DR62	RECESSED LED OPEN DOWNLIGHT 6" ROUND APERTURE SELF FLANGED CLEAR TRIM MATTE DIFFUSE FINISH	LED 2000 LUMENS 0-10V DIMMING 4000K	120 V	23	LITHONIA LIGHTING GOTHAM LIGHTING PRESCOLITE	LDN6 40/20 L06 AR LD MVOLT GZ10 EV06 SERIES LF8 OPEN SERIES		ENSURE THAT HOUSING/LENS ARE WEATHERPROOF.
DR62E	RECESSED LED OPEN DOWNLIGHT 6" ROUND APERTURE SELF FLANGED CLEAR TRIM MATTE DIFFUSE FINISH EMERGENCY BATTERY PACK WITH INTEGRAL TEST SWITCH	LED 2000 LUMENS 0-10V DIMMING 4000K	120 V	23	LITHONIA LIGHTING GOTHAM LIGHTING PRESCOLITE	LDN6 40/20 L06 AR LD MVOLT GZ10 EL EV06 SERIES LF8 OPEN SERIES		ENSURE THAT HOUSING/LENS ARE WEATHERPROOF.
PL4	SUSPENDED LED LINEAR PENDANT LIGHT 2.62' X 2.22' X 48" SUSPENDED AIR CRAFT CABLE MOUNTING 22 GAUGE COLD-ROLLED STEEL HIGH-GLOSS, BAKED WHITE ENAMEL FINISH	LED 5058 LUMENS 3500K	120 V	44	LITHONIA LIGHTING COOPER LIGHTING ALCOPHANE	CSS L48 AL04 MVOLT 35K 80CRI ZACVH CORELITE HUGO SERIES HZL1D SERIES		SUSPEND FIXTURE FROM CEILING SUCH THAT BOTTOM FIXTURE IS 11' AFF.
PL8A1	SUSPENDED PARTIAL PERFORATION LED LINEAR PENDANT LIGHT 7' X 2' HOUSING 8' LENGTH HARD CEILING HORIZONTAL J-BOX MOUNT 12" FIXED SUSPENSION COLE-ROLLED STEEL HOUSING WITH DIE-CAST ALUMINUM END CAPS PERFORATED LENS	LED 9304 LUMENS 0-10V DIMMING 3500K	120 V	104	PEERLESS LIGHTING COOPER LIGHTING ALCON LIGHTING	7CRM7L LSL 8FT MSL8 80CRI 35K I1300F DARK ZT MVOLT SCT F212F C210 SCEP CORELITE I2 SERIES 12106 SERIES		SUSPEND FIXTURE FROM CEILING SUCH THAT BOTTOM FIXTURE IS 8' AFF.
PL8A2	SUSPENDED PARTIAL PERFORATION LED LINEAR PENDANT LIGHT 7' X 2' HOUSING 8' LENGTH T-BAR CEILING MOUNT 12" FIXED SUSPENSION COLE-ROLLED STEEL HOUSING WITH DIE-CAST ALUMINUM END CAPS PERFORATED LENS	LED 9304 LUMENS 0-10V DIMMING 3500K	120 V	104	PEERLESS LIGHTING COOPER LIGHTING ALCON LIGHTING	7CRM7L LSL 8FT MSL8 80CRI 35K I1300F DARK ZT MVOLT SCT F112F C210 SCEP CORELITE I2 SERIES 12106 SERIES		SUSPEND FIXTURE FROM CEILING SUCH THAT BOTTOM FIXTURE IS 8' AFF.
PL8B	SUSPENDED LED LINEAR PENDANT LIGHT 2.62' X 2.22' X 96" SUSPENDED AIR CRAFT CABLE MOUNTING 22 GAUGE COLD-ROLLED STEEL HIGH-GLOSS, BAKED WHITE ENAMEL FINISH	LED 8271 LUMENS 3500K	120 V	88	LITHONIA LIGHTING COOPER LIGHTING ALCOPHANE	CSS L96 AL04 MVOLT 35K 80CRI ZACVH CORELITE HUGO SERIES HZL1D SERIES		SUSPEND FIXTURE FROM CEILING SUCH THAT BOTTOM FIXTURE IS 12' AFF.
PL8E	SUSPENDED PARTIAL PERFORATION LED LINEAR PENDANT LIGHT 7' X 2' HOUSING 8' LENGTH HARD CEILING HORIZONTAL J-BOX MOUNT 12" FIXED SUSPENSION COLE-ROLLED STEEL HOUSING WITH DIE-CAST ALUMINUM END CAPS PERFORATED LENS EMERGENCY BATTERY PACK	LED 9304 LUMENS 0-10V DIMMING 3500K	120 V	104	PEERLESS LIGHTING COOPER LIGHTING ALCON LIGHTING	7CRM7L LSL 8FT MSL8 80CRI 35K I1300F DARK ZT MVOLT SCT F212F C210 ELH SCEP CORELITE I2 SERIES 12106 SERIES		PROVIDE WITH EXTERNAL EMERGENCY BATTERY PACK SUSPEND FIXTURE FROM CEILING SUCH THAT BOTTOM FIXTURE IS 8' AFF.
PL16	SUSPENDED PARTIAL PERFORATION LED LINEAR PENDANT LIGHT 7' X 2' HOUSING 16' LENGTH HARD CEILING HORIZONTAL J-BOX MOUNT 96" ADJUSTIBLE SUSPENSION COLE-ROLLED STEEL HOUSING WITH DIE-CAST ALUMINUM END CAPS PERFORATED LENS	LED 18608 LUMENS 0-10V DIMMING 3500K	120 V	208	PEERLESS LIGHTING COOPER LIGHTING ALCON LIGHTING	7CRM7L LSL 16FT MSL8 80CRI 35K I1300F DARK ZT MVOLT MCT F296A C210 SCEP CORELITE I2 SERIES 12106 SERIES		SUSPEND FIXTURE FROM CEILING SUCH THAT BOTTOM FIXTURE IS 9'-6" AFF.
WV	WALL SCONCE BATH VANITY LIGHT 24" FIXTURE WALL MOUNTED 20-GAUGE STEEL HOUSING TEXTURED MATTE WHITE PERFORATED LENS	LED 2100 LUMENS 3000K	120 V	20	PRUDENTIAL LTG COOPER LIGHTING	WAL14 LED35 SO 2 P 2MW SC UNV WM ND 605-W SERIES		
XC	LED SURFACE MOUNTED EXIT SIGN CEILING MOUNTED DIE CAST ALUMINUM HOUSING GREEN LETTERS SINGLE FACE NICKEL-CADMIUM BATTERY BACK-UP	LED	120 V	2	LITHONIA LIGHTING COOPER LIGHTING	LE S W 1 G ELN SURE-LITES LPX SERIES		TOP MOUNTING.
XW	LED SURFACE MOUNTED EXIT SIGN WALL MOUNTED DIE-CAST ALUMINUM HOUSING GREEN LETTERS SINGLE FACE NICKEL-CADMIUM BATTERY BACK-UP	LED	120 V	2	LITHONIA LIGHTING COOPER LIGHTING	LE S W 1 G ELN SURE-LITES LPX SERIES		STANDARD MOUNTING. MOUNT AT HEIGHT SUCH THAT BOTTOM OF EXIT SIGN IS FLUSH WITH CEILING BEHIND.

LIGHT FIXTURE GENERAL NOTES

- REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF LIGHT FIXTURES. BRING ALL DISCREPANCIES OF LOCATIONS AND QUANTITIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO BIDDING.
- CONFIRM MOUNTING HEIGHTS AND LOCATIONS OF ALL LIGHT FIXTURES WITH ARCHITECTURAL ELEVATIONS AND / OR ARCHITECT.
- REFER TO THE SPECIFICATIONS FOR OTHER LIGHT FIXTURE REQUIREMENTS.
- CONFIRM AVAILABLE MOUNTING DEPTHS OF ALL LIGHT FIXTURES AND COMPARE WITH DEPTHS SHOWN ON SHOP DRAWINGS. BRING ALL POTENTIAL CONFLICT AREAS TO THE ATTENTION OF THE ARCHITECT AND ELECTRICAL ENGINEER PRIOR TO RELEASE.
- ALL LIGHT FIXTURES ARE TO BE 3500K FOR INTERIOR APPLICATIONS AND 4000K FOR EXTERIOR APPLICATIONS, UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.
- ALL LIGHT FIXTURES ARE TO BE A MINIMUM OF 80 CRI UNLESS OTHERWISE NOTED IN THE FIXTURE DESCRIPTION.
- ALL LED SOURCES MUST MEET L80 AT 50,000 HRS MINIMUM UNLESS OTHERWISE NOTED.
- CONFIRM ALL MOUNTING REQUIREMENTS WITH ARCHITECT PRIOR TO RELEASE.
- ALL LIGHT FIXTURES ARE TO HAVE AN EFFICACY OF 80 LUMENS PER WATT MINIMUM.

BIDDING REQUIREMENTS

- BID ONLY PRODUCTS THAT ARE SPECIFIED OR APPROVED BY ADDENDUM.
- PACKAGING OF LIGHT FIXTURES WITH OTHER SYSTEMS IS NOT ALLOWED AND MUST BE BID SEPARATELY. I.E. LIGHT FIXTURES, THEATRICAL LIGHTING, SPORTS LIGHTING AND ALL LIGHTING CONTROLS.
- WHEN ONLY ONE PRODUCT IS APPROVED FOR BIDDING, THE PRICE FOR THAT ITEM SHALL BE BROKEN OUT SEPARATELY WHEN SUBMITTING PRICING TO VARIOUS DISTRIBUTORS AND / OR CONTRACTOR.
- WHEN A CONTRADICTION EXISTS BETWEEN A SPECIFIC MODEL NUMBER AND THE DESCRIPTION, THE DESCRIPTION SHALL GOVERN.

LIGHT FIXTURE PRIOR APPROVAL REQUIREMENTS

- PRIOR APPROVAL IS REQUIRED BEFORE BIDDING THIS PROJECT.
- PRIOR APPROVALS SHALL BE SUBMITTED TO THE ELECTRICAL ENGINEER'S OFFICE AT LEAST (8) WORKING DAYS BEFORE BID TIME. PRIOR APPROVALS RECEIVED AFTER THIS TIME PERIOD SHALL BE REJECTED.
- ITEMS THAT ARE SUBMITTED AND HAVE BEEN APPROVED WILL BE LISTED IN THE ADDENDUM(S). VERBAL APPROVALS WILL NOT BE GIVEN ON ANY ITEM.
- IT IS NOT THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER TO NOTIFY THE SUBMITTING PARTY OF ERRORS IN THE SUBMITTAL. NOTIFICATION OF ERRORS BY THE ELECTRICAL ENGINEER PRIOR TO ISSUANCE OF THE ADDENDUM(S) MAY NOT BE GIVEN.
- PRIOR APPROVALS SHALL CONSIST OF CUT SHEETS DESCRIBING THE PRODUCTS BEING SUBMITTED AS EQUIVALENTS. ALL SPECIFICATION INFORMATION SHALL BE CLEARLY MARKED. PRODUCTS WITHOUT PHOTOMETRIC DATA WILL NOT BE APPROVED.
- LIGHTING PACKAGES WILL BE REVIEWED FOR GENERAL PROJECT COMPLIANCE ONLY. AN IN-DEPTH REVIEW OF ANY ALTERNATE FIXTURES WILL BE DONE DURING THE SUBMITTAL REVIEW PROCESS. ANY FIXTURES THAT ARE NOT TRULY EQUAL AND / OR DO NOT COMPLY WITH ALL OF THE REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS, WILL NOT BE APPROVED. IF EQUIPMENT IS DISAPPROVED FOR BIDDING, CONTRACTOR SHALL SUPPLY SPECIFIED EQUIPMENT AT NO EXTRA COST TO THE OWNER.

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CODE OFFICIAL STAMP:



PROJECT NAME:

WMA OFFICE BUILDING

4786 S 7500 W, HOOPER, UT 84315

REVISIONS:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET



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SPE PROJECT #: 19-55

DRAWN BY: TCH

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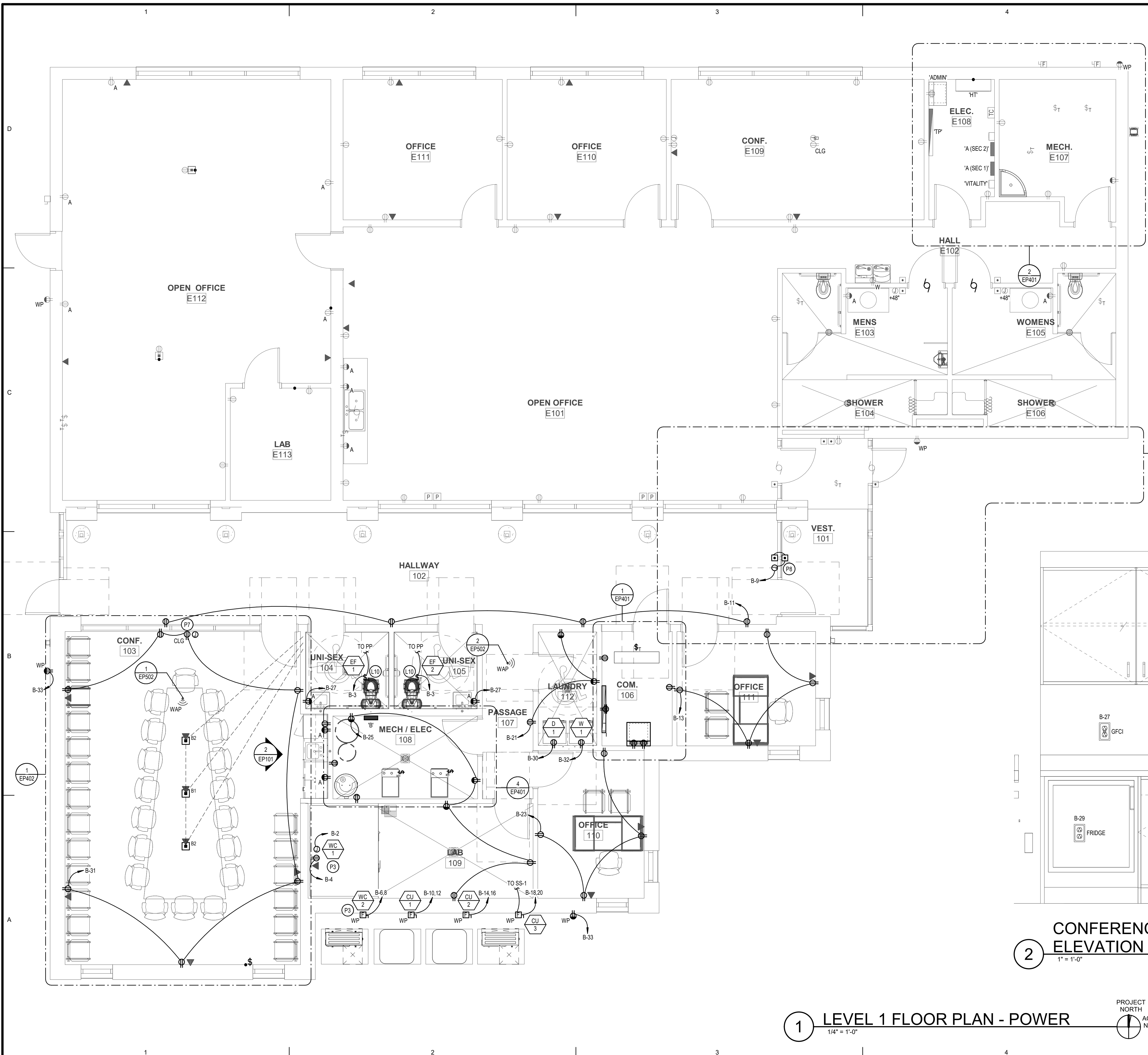
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SHEET TITLE:

**LIGHT FIXTURE
SCHEDULE**

SHEET NUMBER:

EL601

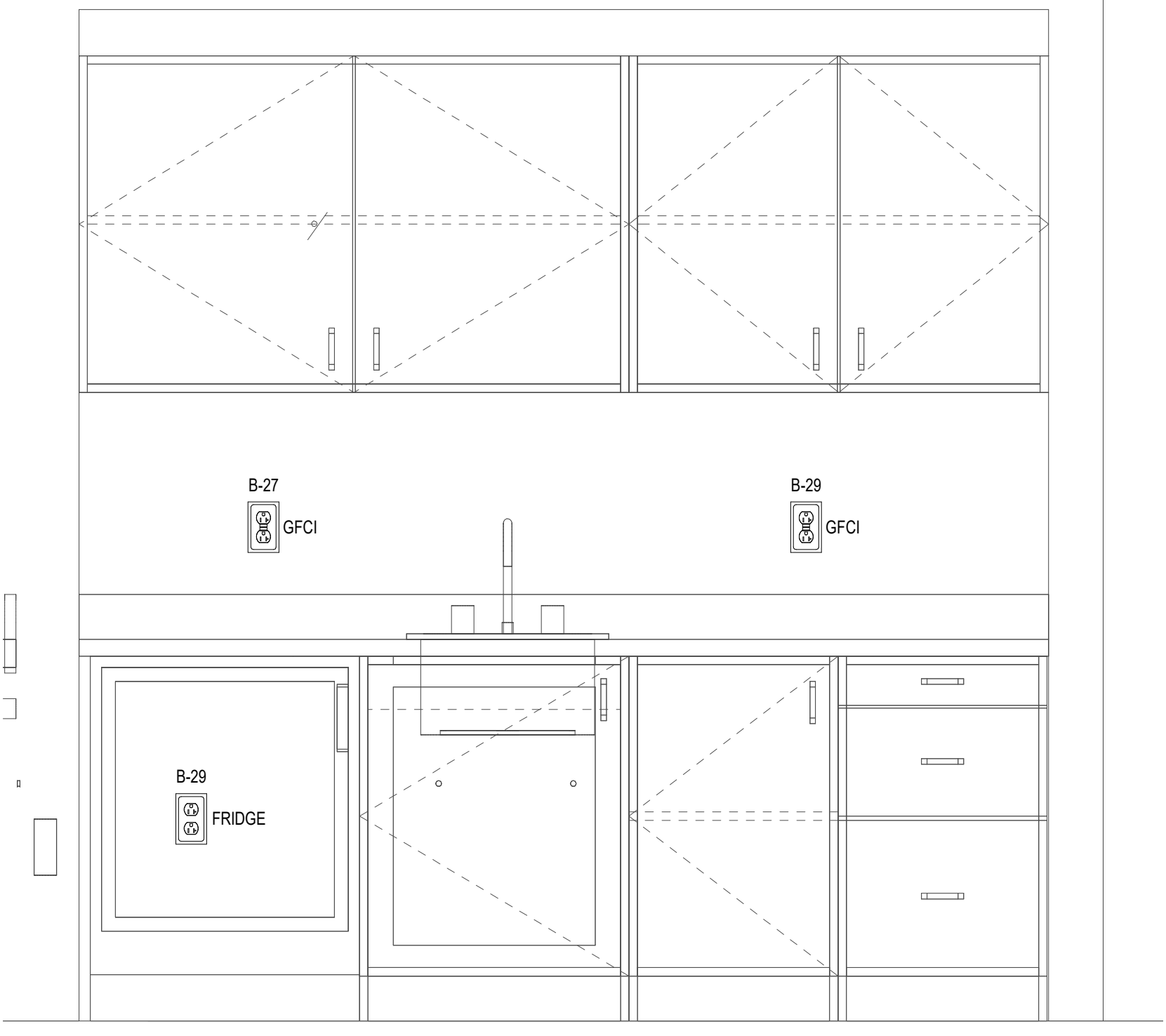


POWER GENERAL NOTES:

- ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6" OF ANY SINK SHALL BE GFCI.
- THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.

KEYED NOTES (4)

- L10 TIE EXHAUST FAN TO RESTROOM LIGHTING CIRCUIT. EXHAUST FAN SHALL BE CONTROLLED BY OCCUPANCY SENSOR THROUGH POWER PACK. SEE EL101 AND LCD-003/EL502 FOR CIRCUITING.
- P3 SEE ELECTRICAL EQUIPMENT PLAN F4/FS-102 AND ELECTRICAL ROUGH-IN/FINAL CONNECTION SCHEDULE FOR WALK IN COOLER ELECTRICAL CONNECTION REQUIREMENTS.
- P7 PROVIDE AND INSTALL RECEPTACLE FOR CEILING MOUNTED PROJECTOR.
- P8 PROVIDE 3/4" CONDUIT, WIRE AND JUNCTION BOXES FOR ADA PUSH BUTTON SYSTEM AND PUSH BUTTONS PROVIDED BY OTHERS. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS. REFER TO ARCHITECTURAL DRAWING FOR COORDINATION. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

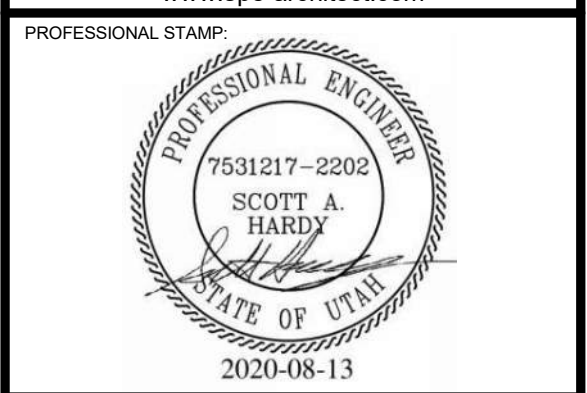


2 CONFERENCE ROOM KITCHENETTE POWER ELEVATION VIEW
1" = 1'-0"

1 LEVEL 1 FLOOR PLAN - POWER
1/4" = 1'-0"



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SHEET TITLE:
**LEVEL 1 FLOOR
PLAN - POWER**

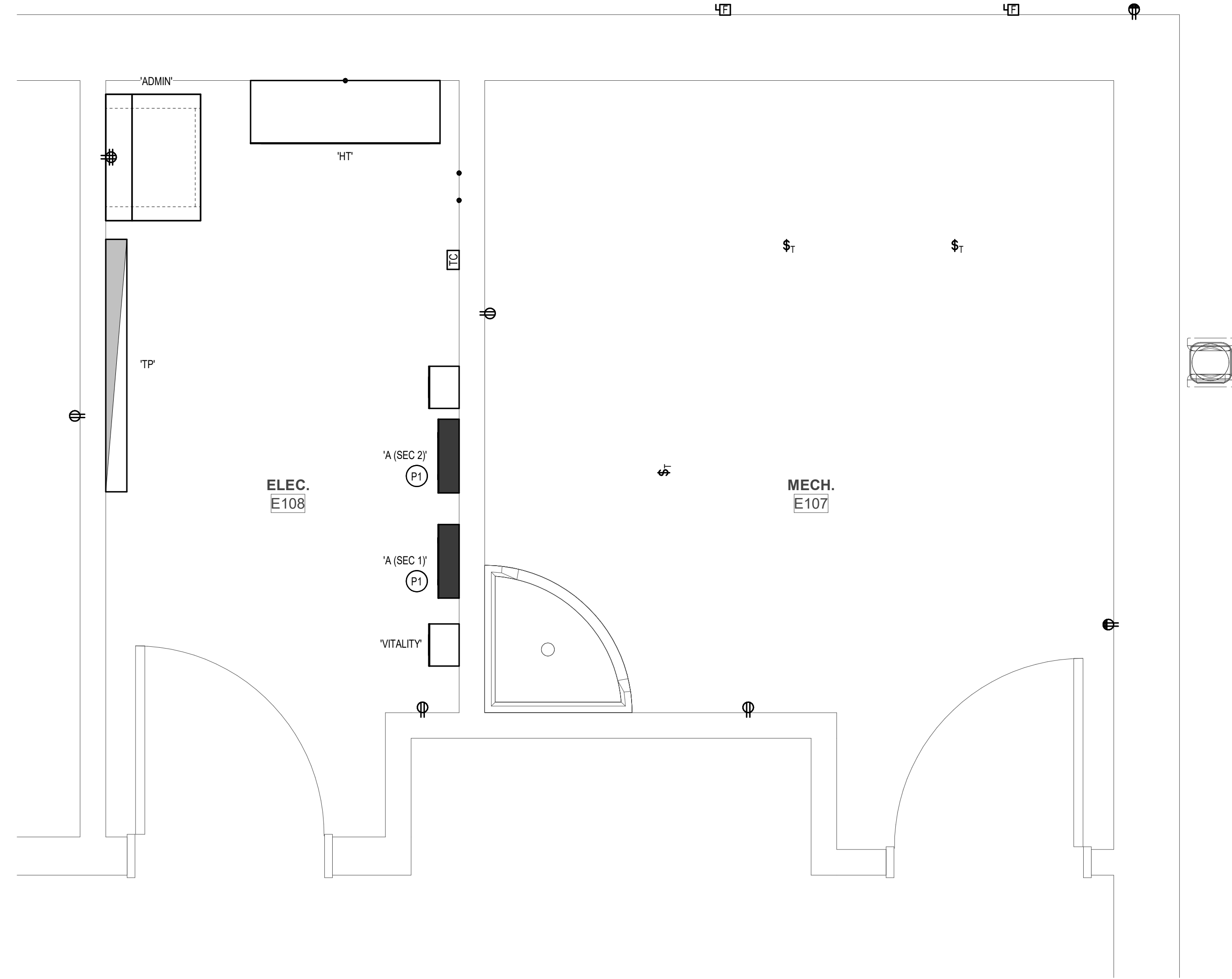
SHEET NUMBER:
EP101

POWER GENERAL NOTES:

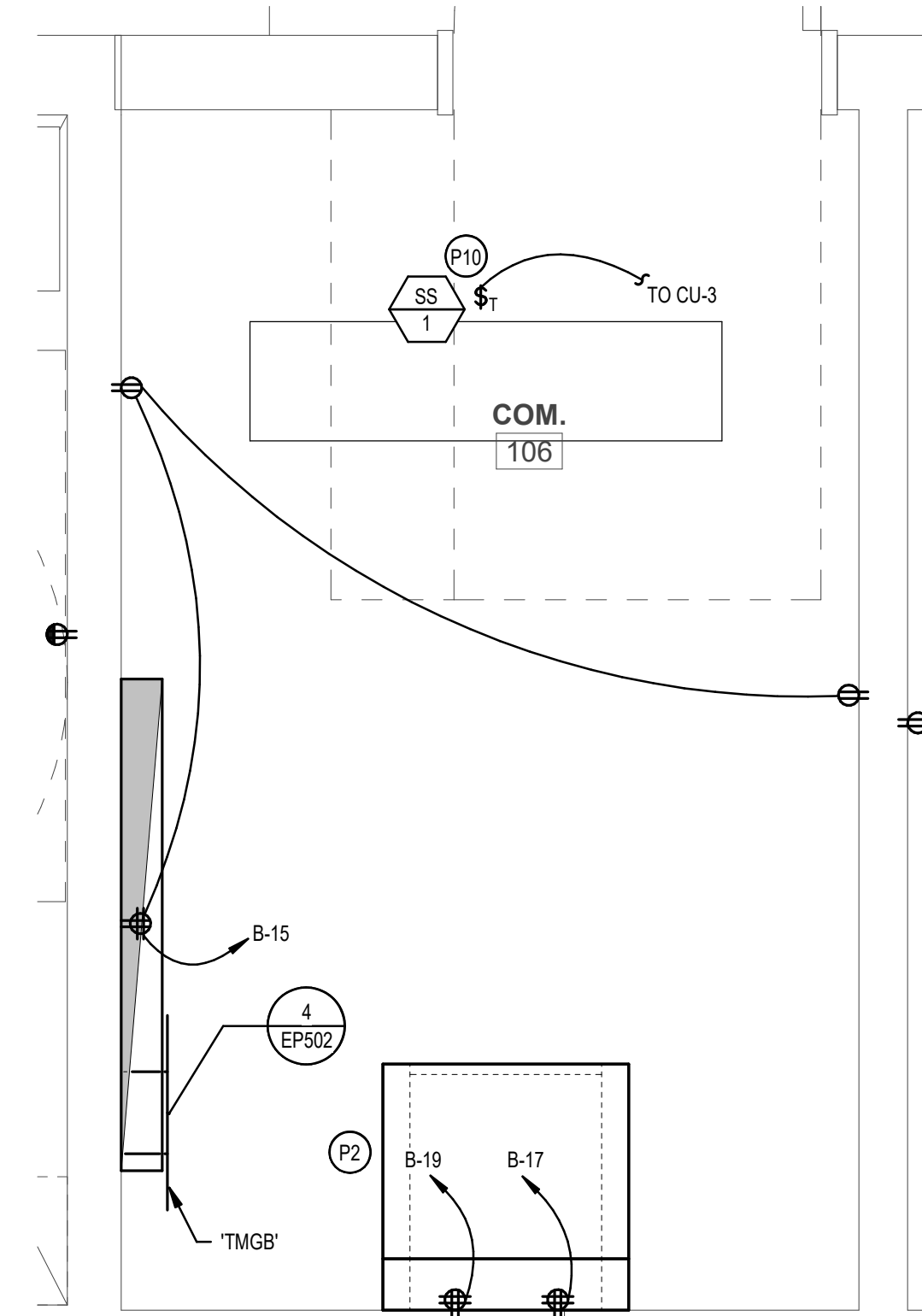
1. ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
2. THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.

KEYED NOTES (4)

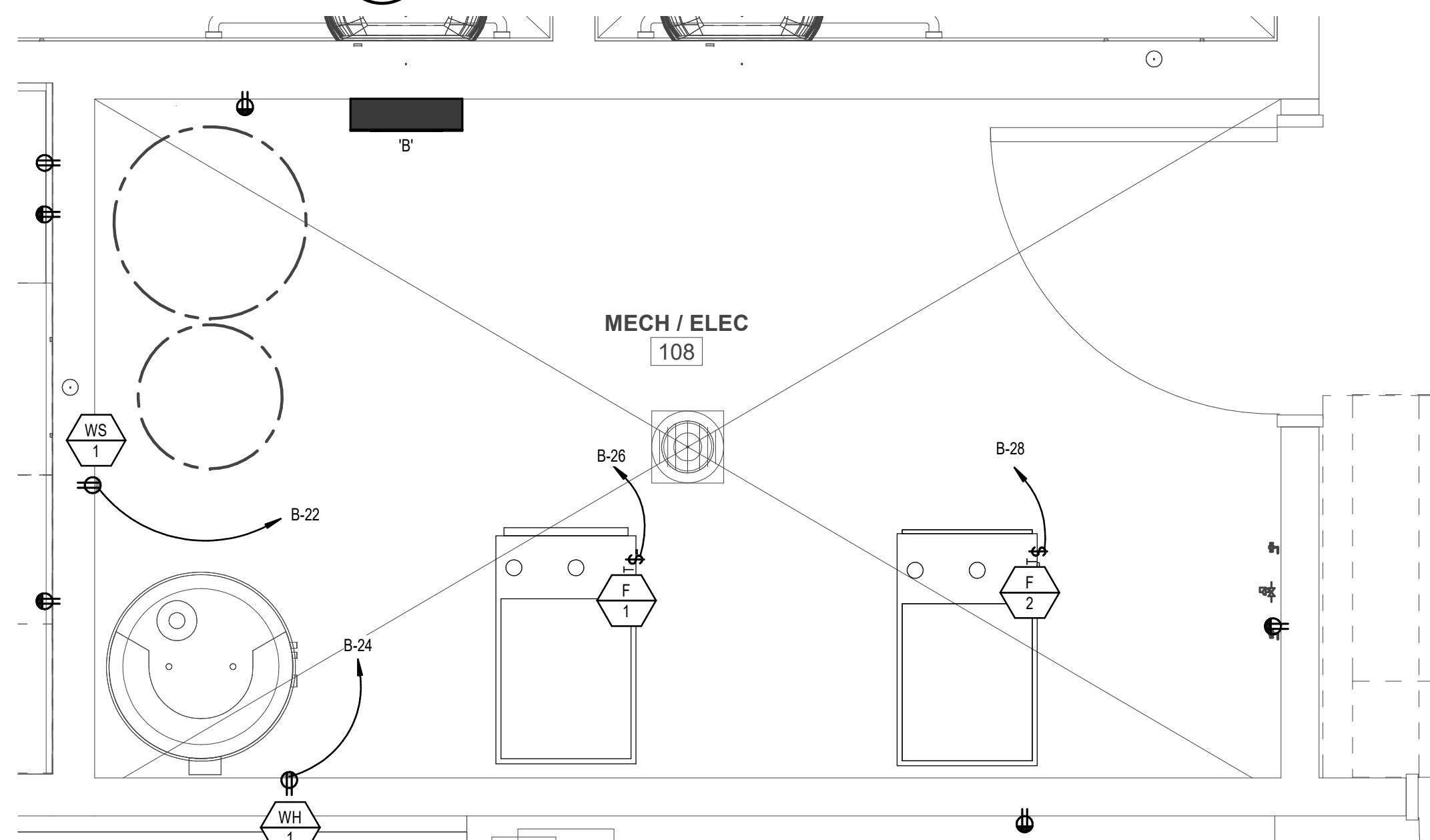
- P1 CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITING LOCATIONS. PANEL SCHEDULE IS BASED ON AS-BUILT CONDITIONS.
- P2 WALL MOUNTED TELECOM CABINET AND BONDING TO TELECOM GROUND BUS BAR BY STATE DTS GROUP. ALL CONDUIT PATHWAYS FOR DATA CABLING SHALL BE PROVIDED, WITH PULL STRING, BY ELECTRICAL CONTRACTOR.
- P10 EXTEND (1) 3/4"C WITH (2) #10, #10 GND. FROM THERMAL SWITCH LOCATED AT INDOOR SPLIT AIR SYSTEM UNIT IN COM. RM 106, TO LOAD SIDE OF FUSED DISCONNECT AT CU-3.
- P11 RELOCATED HEAT TRACE JUNCTION BOX. TIE JUNCTION BOX AND HEAT TRACE TO EXISTING CIRCUITING. EXTEND HEAT TRACE THROUGH MODIFIED RAIN GUTTER SYSTEM AT SOUTH EAST ENTRANCE AS SHOWN. COORDINATE WITH HEAT TRACE MANUFACTURER FOR PROPER TERMINATION.



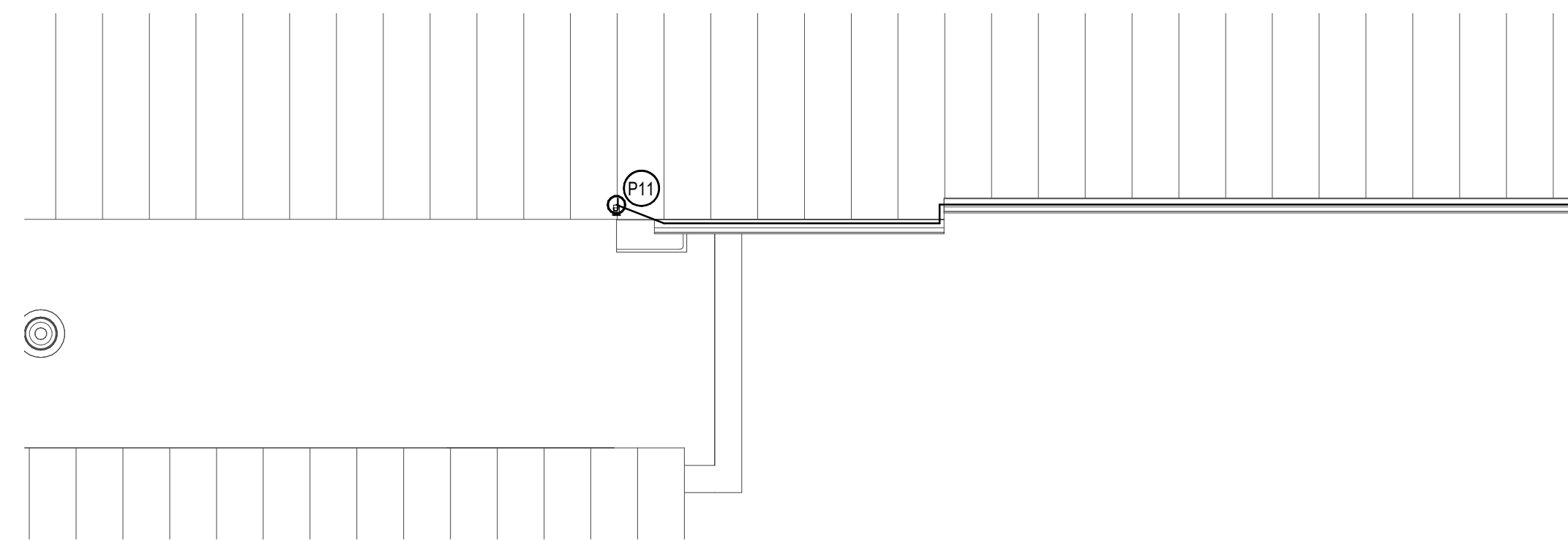
2 ENLARGED POWER PLAN - EXISTING ELEC & MECH ROOM
3/4" = 1'-0" PROJECT NORTH ACTUAL NORTH



1 ENLARGED FLOOR PLAN - TELECOM
3/4" = 1'-0" PROJECT NORTH ACTUAL NORTH



4 ENLARGED POWER PLAN - NEW ELEC & MECH ROOM
3/4" = 1'-0" PROJECT NORTH ACTUAL NORTH



3 ENLARGED FLOOR PLAN ROOF - POWER
1/4" = 1'-0" PROJECT NORTH ACTUAL NORTH

ARCHITECT'S INFORMATION:

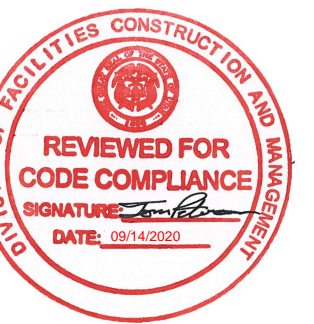


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SHEET TITLE:

ENLARGED POWER PLAN

SHEET NUMBER:

EP401

FLOOR BOX SCHEDULE											
TYPE	DEVICE CAPACITY	CONDUIT OPENINGS	G1	G2	G3	G4	G5	G6	MANUFACTURER	CAT. # (OR APPROVED EQUAL)	COMMENTS
B1	6 GANG	POWER (1) 1" DATA (1) 1" AV (1) 1-1/4"	DUPLEX	DUPLEX	DATA DROPS	AV CONNECTOR PLATE			LEGRAND WIREMOLD	EFB65-OG COVER: EFB610CTCXX	PROVIDE WITH COMMSCOPE M-SERIES FACEPLATES THAT ARE COMPATIBLE WITH COMMSCOPE SYSTEMAX TERMINATION MODULES. COORDINATE WITH STATE DTS GROUP PRIOR TO ORDER.
B2	6 GANG	POWER (1) 1" DATA (1) 1"	DUPLEX	DUPLEX	DATA DROPS				LEGRAND WIREMOLD	EFB65-OG COVER: EFB610CTCXX	PROVIDE WITH COMMSCOPE M-SERIES FACEPLATES THAT ARE COMPATIBLE WITH COMMSCOPE SYSTEMAX TERMINATION MODULES. COORDINATE WITH STATE DTS GROUP PRIOR TO ORDER.

POWER GENERAL NOTES:

- ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6" OF ANY SINK SHALL BE GFCI.
- THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.

KEYED NOTES ④

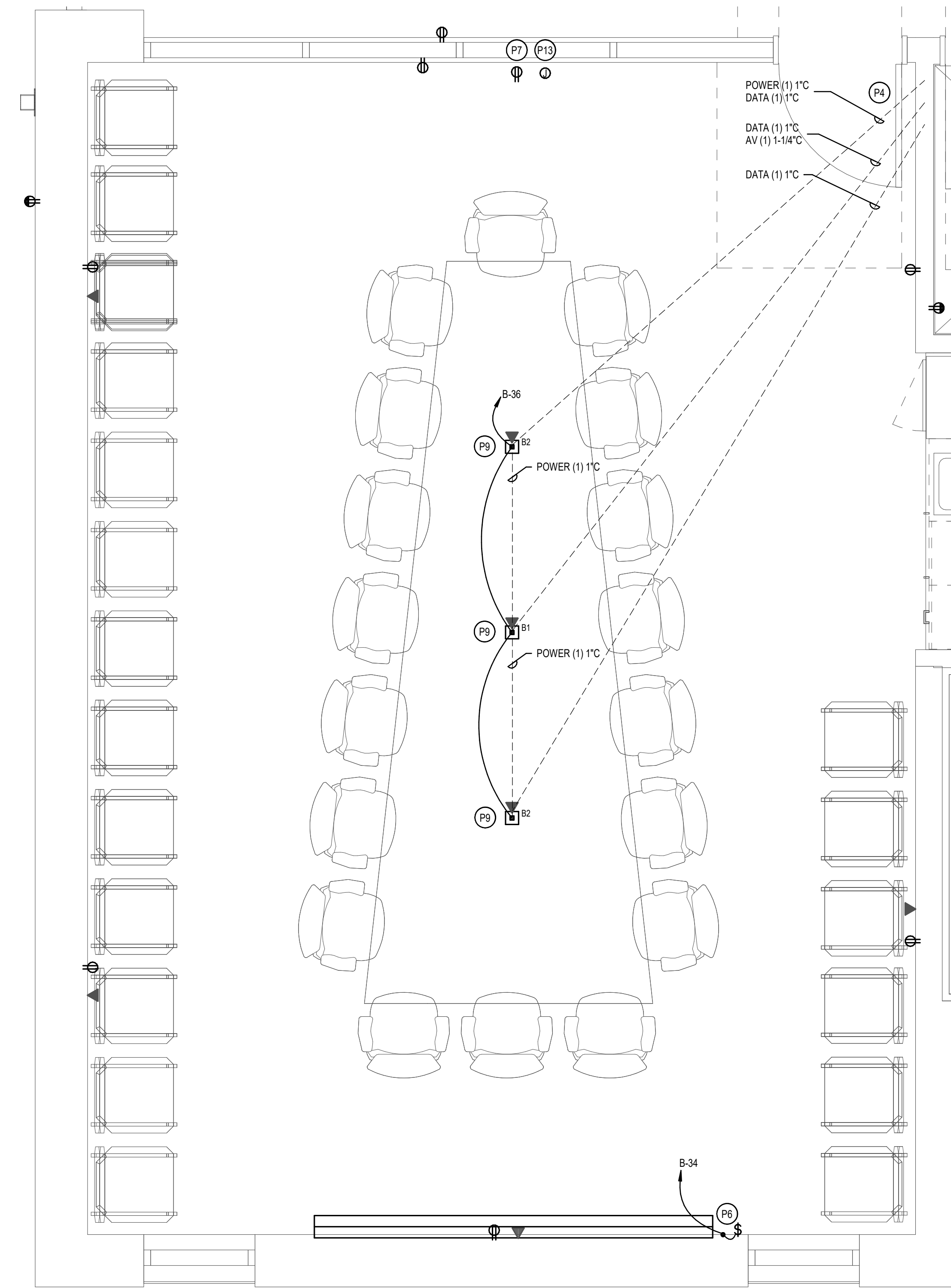
P4 PROVIDE AND INSTALL SCHEDULE 40 PVC CONDUIT IN SIZES AND LOCATIONS SHOWN ON DRAWING. INSTALL CONDUIT PRIOR TO POURING OF CONCRETE SLAB, COORDINATE WITH CONCRETE CONTRACTOR. CONVERT TO EMT CONDUIT AND EXTEND DATA/AV CONDUITS IN WALL TO ACCESSIBLE CEILING SPACE. EXTEND POWER CONDUITS TO PANEL 'B' IN ELEC RM 108.

P6 PROVIDE DIRECT ELECTRICAL CONNECTION TO WALL MOUNTED PROJECTOR SCREEN. SWITCH PROVIDED BY OTHERS. CIRCUITING AND FINAL CONNECTION SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. REFER TO AV ELECTRICAL SHEETS FOR ALL ELECTRICAL CONNECTIONS AND EXACT LOCATIONS.

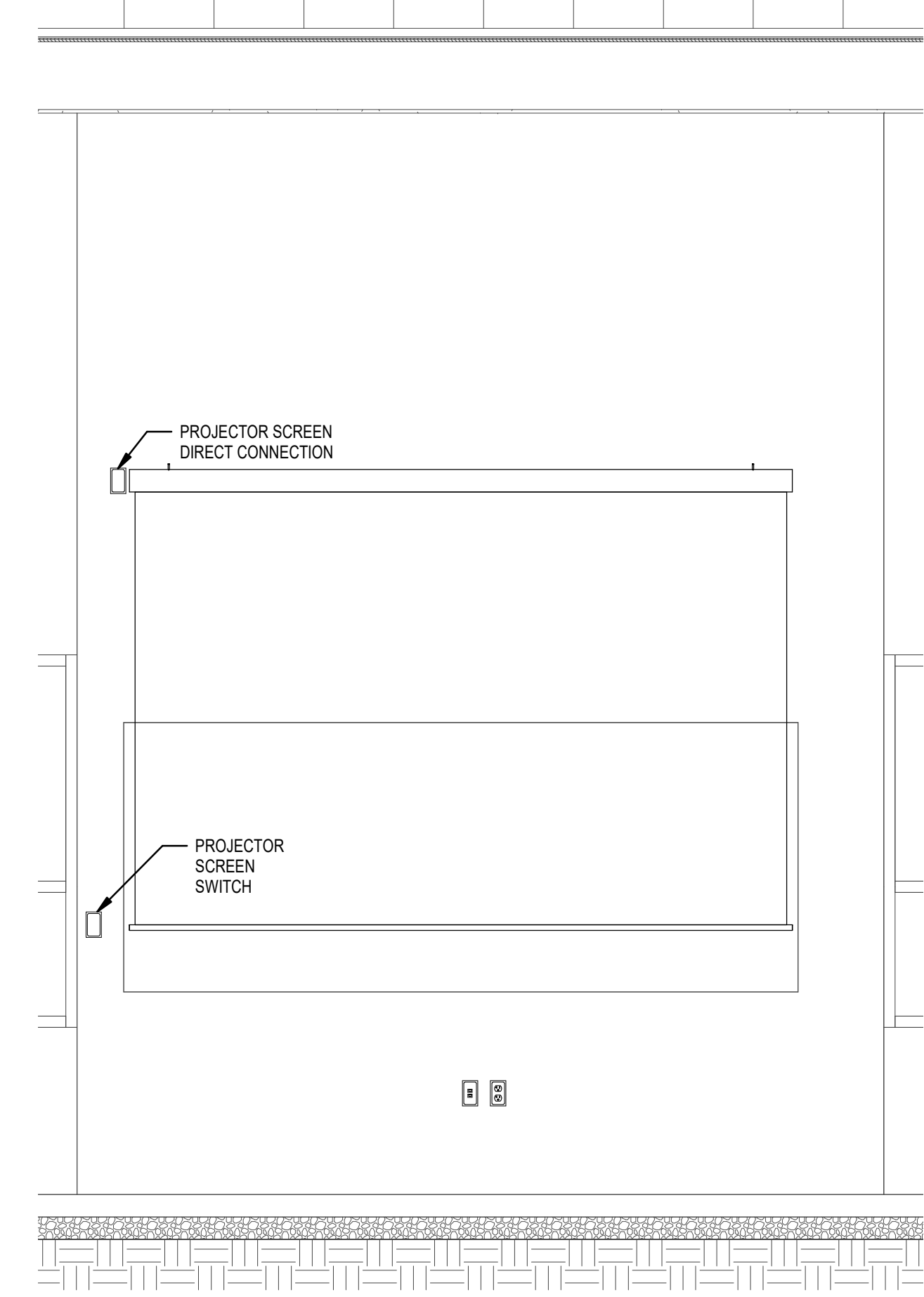
P7 PROVIDE AND INSTALL RECEPTACLE FOR CEILING MOUNTED PROJECTOR.

P9 PROVIDE AND INSTALL FLOOR BOX PER FLOOR BOX SCHEDULE REQUIREMENTS. PROVIDE AND INSTALL ALL INTERCONNECTING CABLES FROM FLOOR BOX TO DESKTOP BOX FOR POWER, DATA, AND AV CONNECTIONS AS NECESSARY. DESKTOP BOXES SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY TABLE MANUFACTURER. ELECTRICAL CONTRACTOR RESPONSIBLE FOR FINAL ELECTRICAL CONNECTIONS. REFER TO AV SHEETS FOR DESKTOP BOX SPECIFICATIONS.

P13 PROVIDE AND INSTALL JUNCTION BOX AT CEILING MOUNTED PROJECTOR. ROUTE HDMI CABLE FROM JUNCTION BOX THROUGH CEILING SPACE TO 1-1/4" THAT EXTENDS TO FLOOR BOX AT CENTER OF CONFERENCE TABLE.



① ENLARGED POWER PLAN - CONFERENCE ROOM
1/2" = 1'-0"



② CONFERENCE ROOM PROJECTOR SCREEN POWER ELEVATION VIEW
1/2" = 1'-0"

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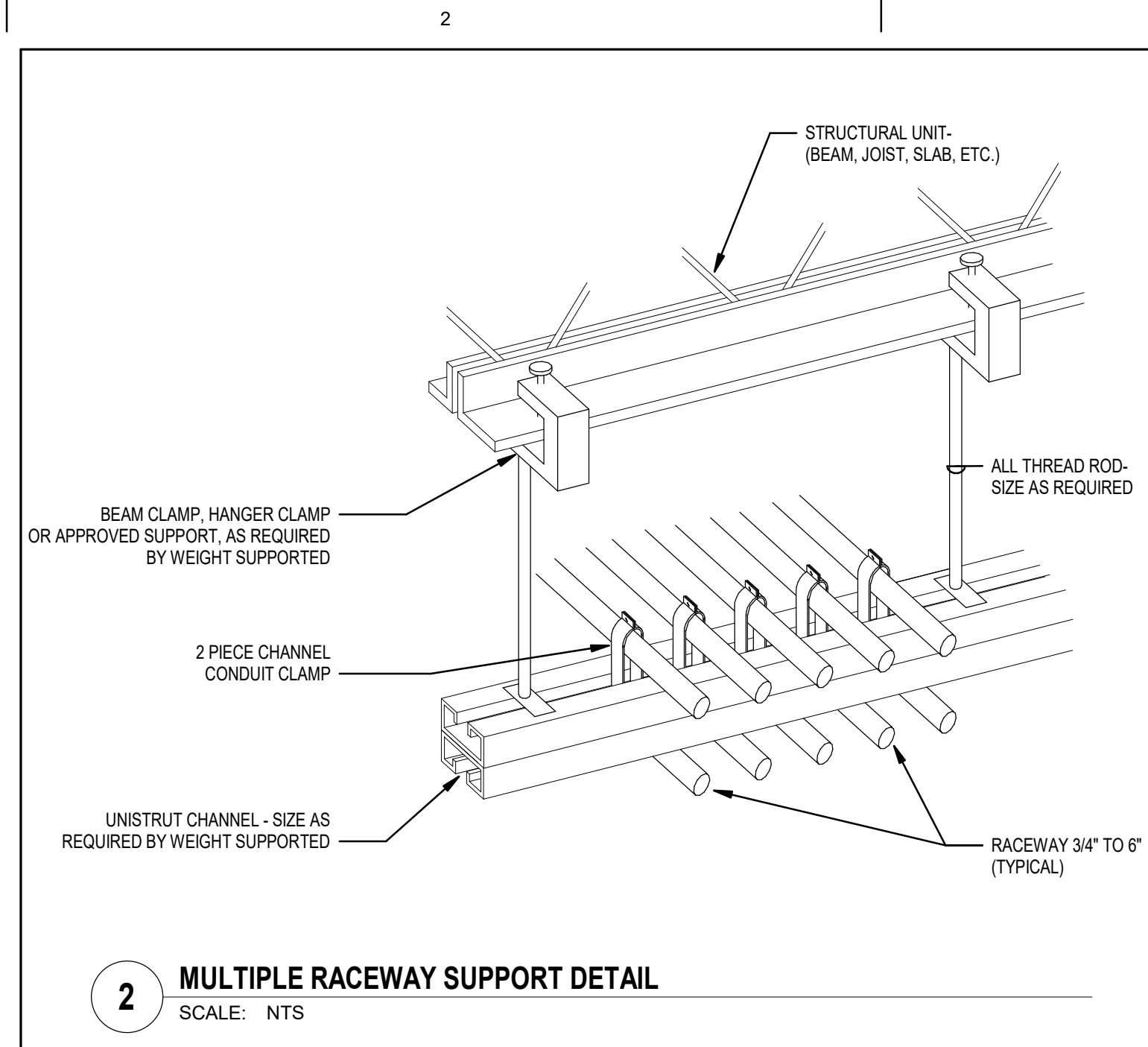
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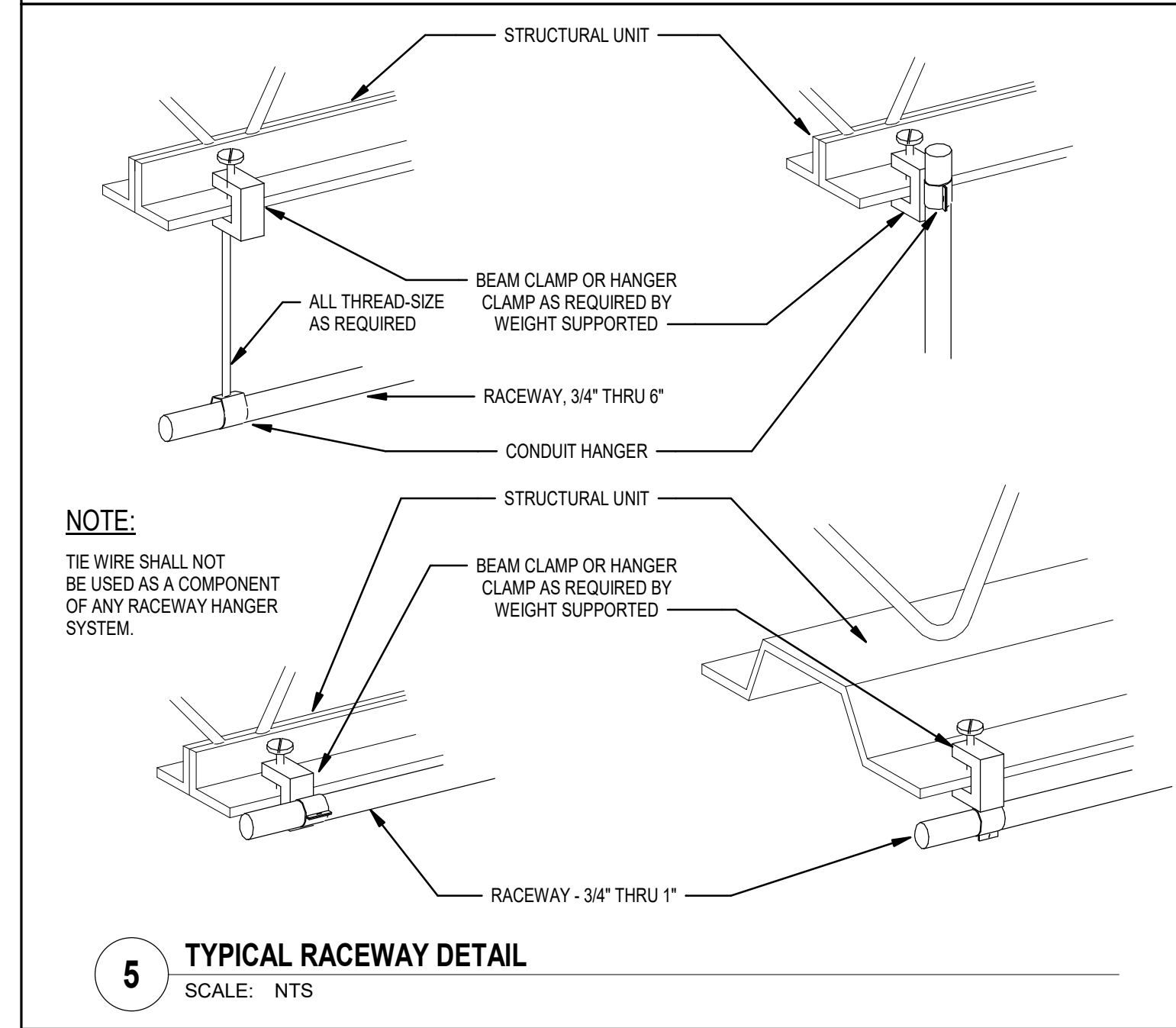
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SHEET TITLE:
ENLARGED POWER PLAN - CONFERENCE ROOM

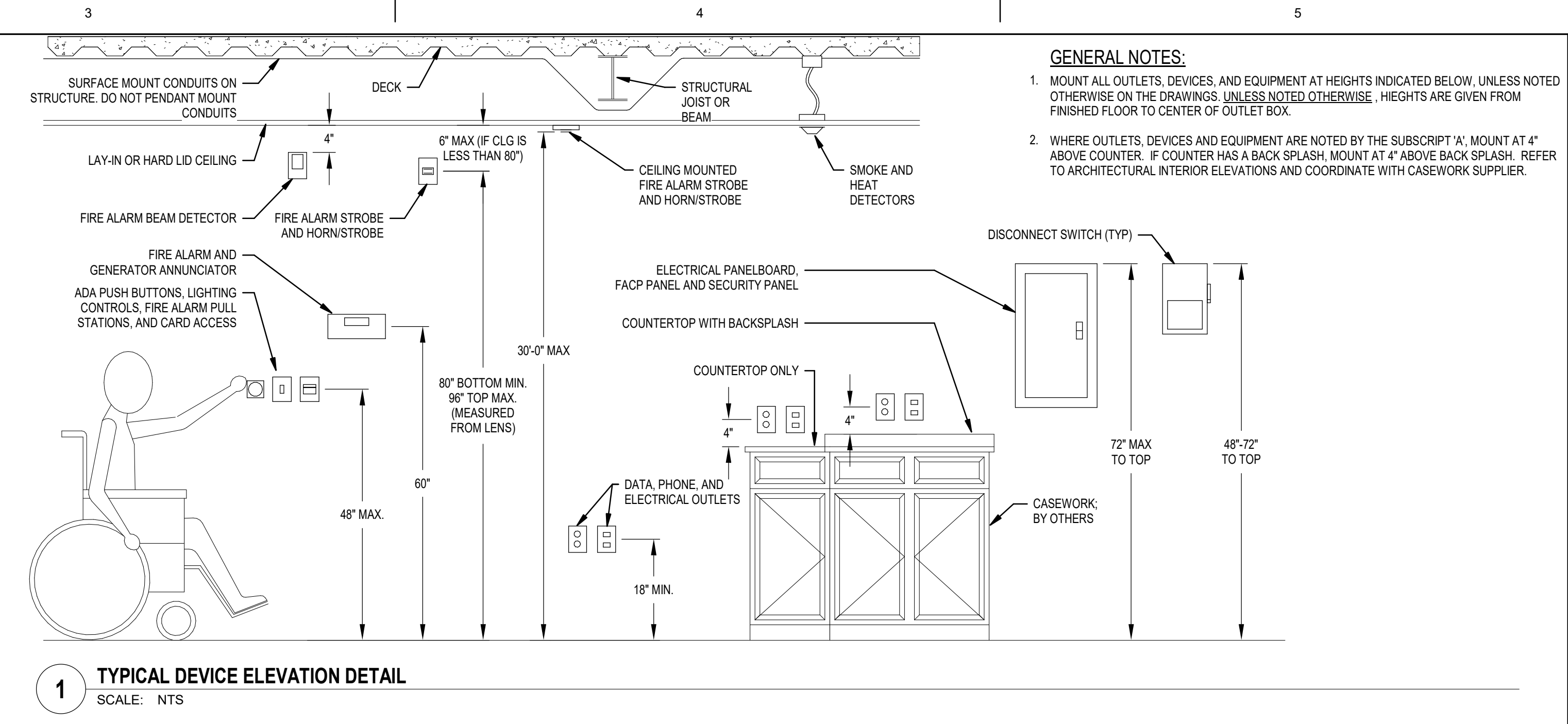
SHEET NUMBER:
EP402



2 MULTIPLE RACEWAY SUPPORT DETAIL
SCALE: NTS

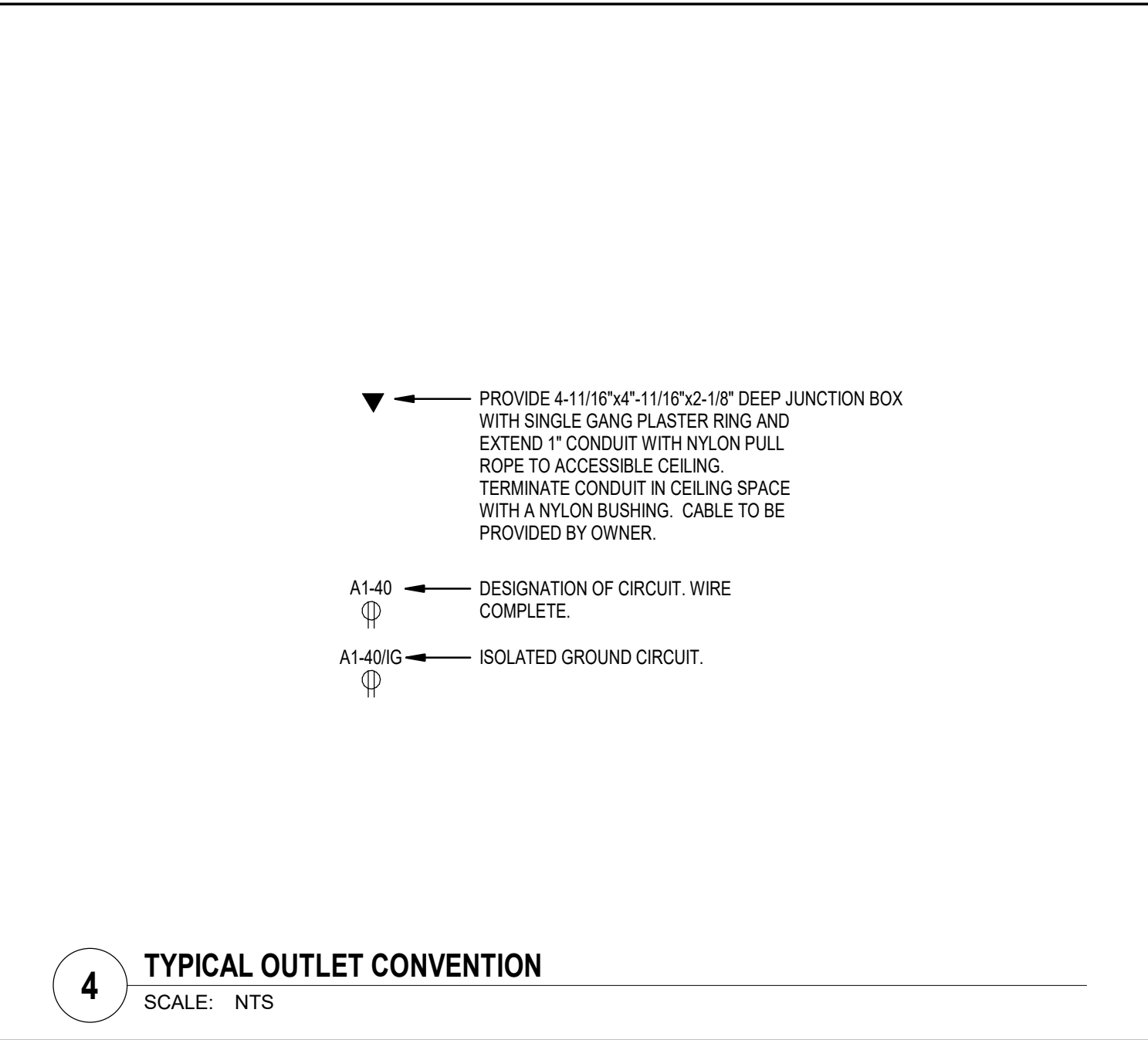


5 TYPICAL RACEWAY DETAIL
SCALE: NTS

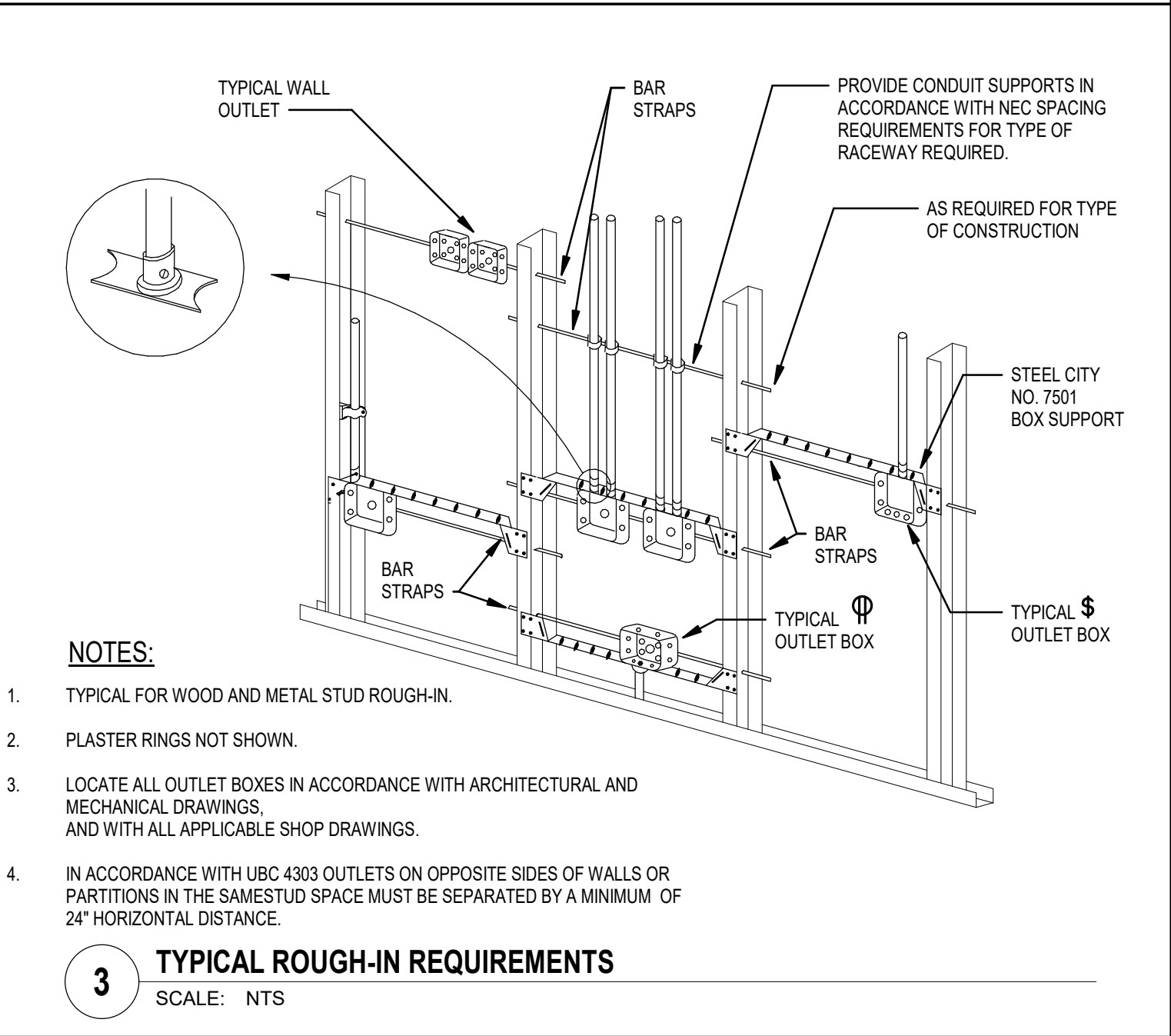


1 TYPICAL DEVICE ELEVATION DETAIL
SCALE: NTS

GENERAL NOTES:
1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.
2. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.



4 TYPICAL OUTLET CONVENTION
SCALE: NTS



3 TYPICAL ROUGH-IN REQUIREMENTS
SCALE: NTS

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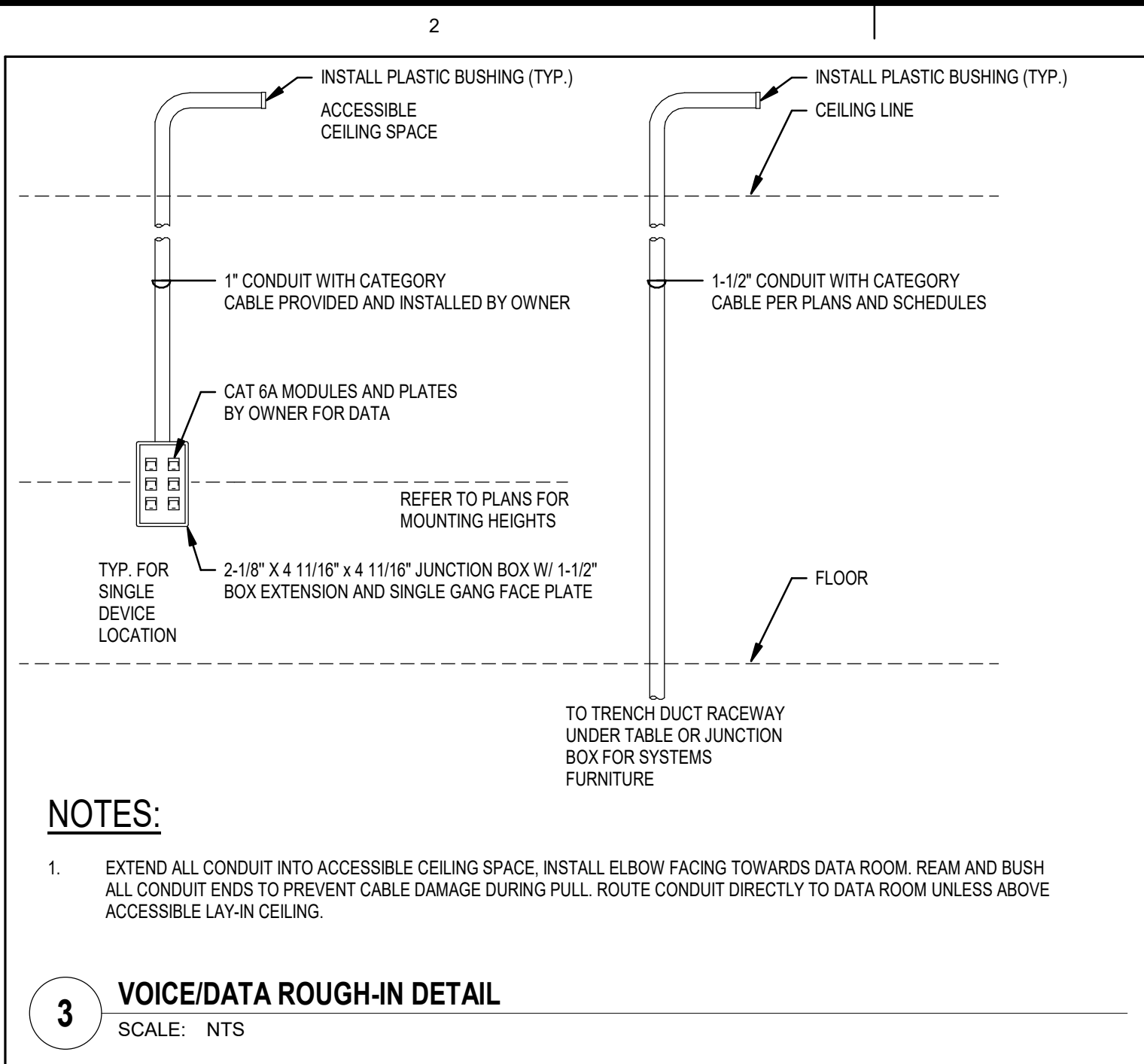
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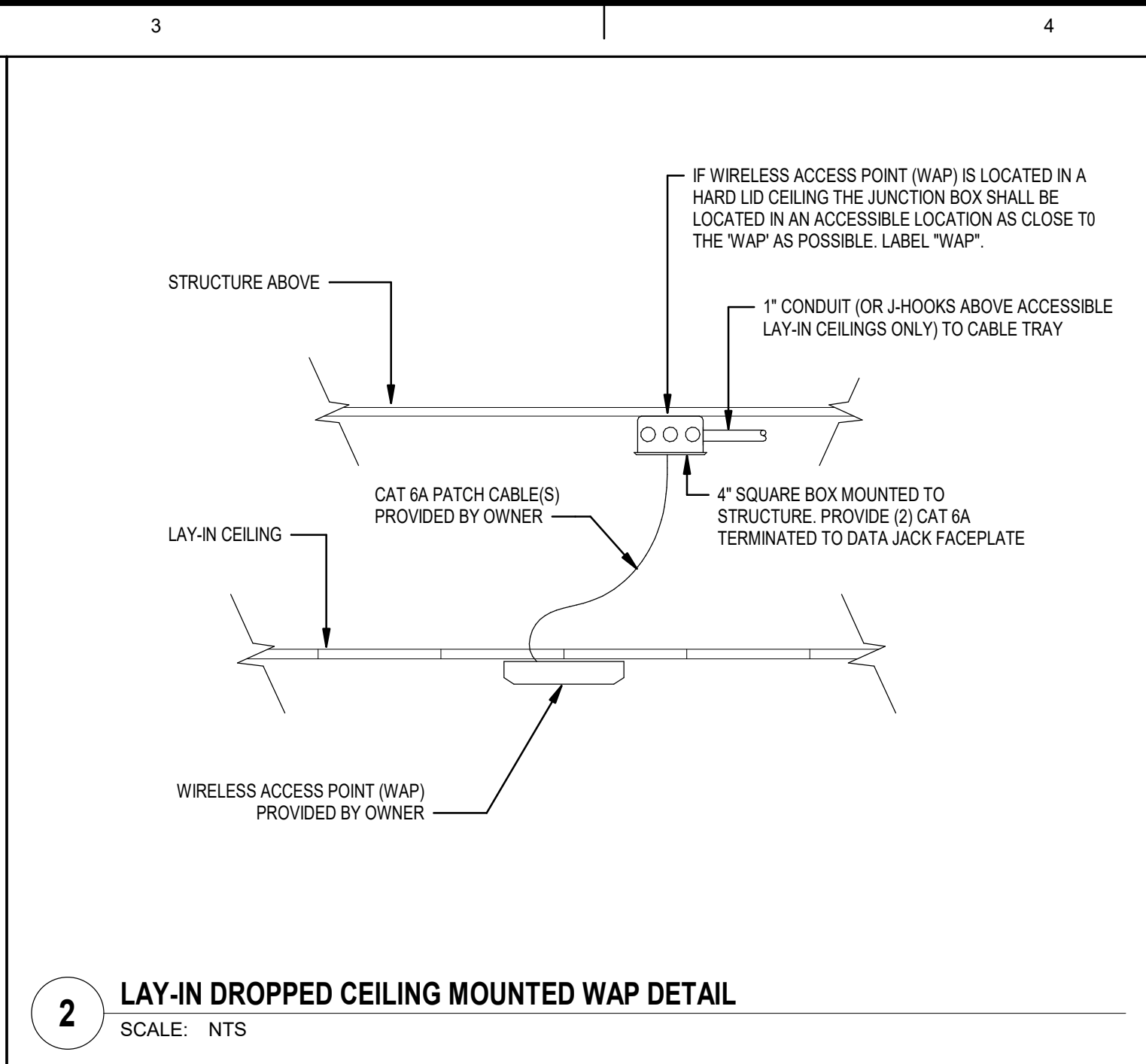
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EP501



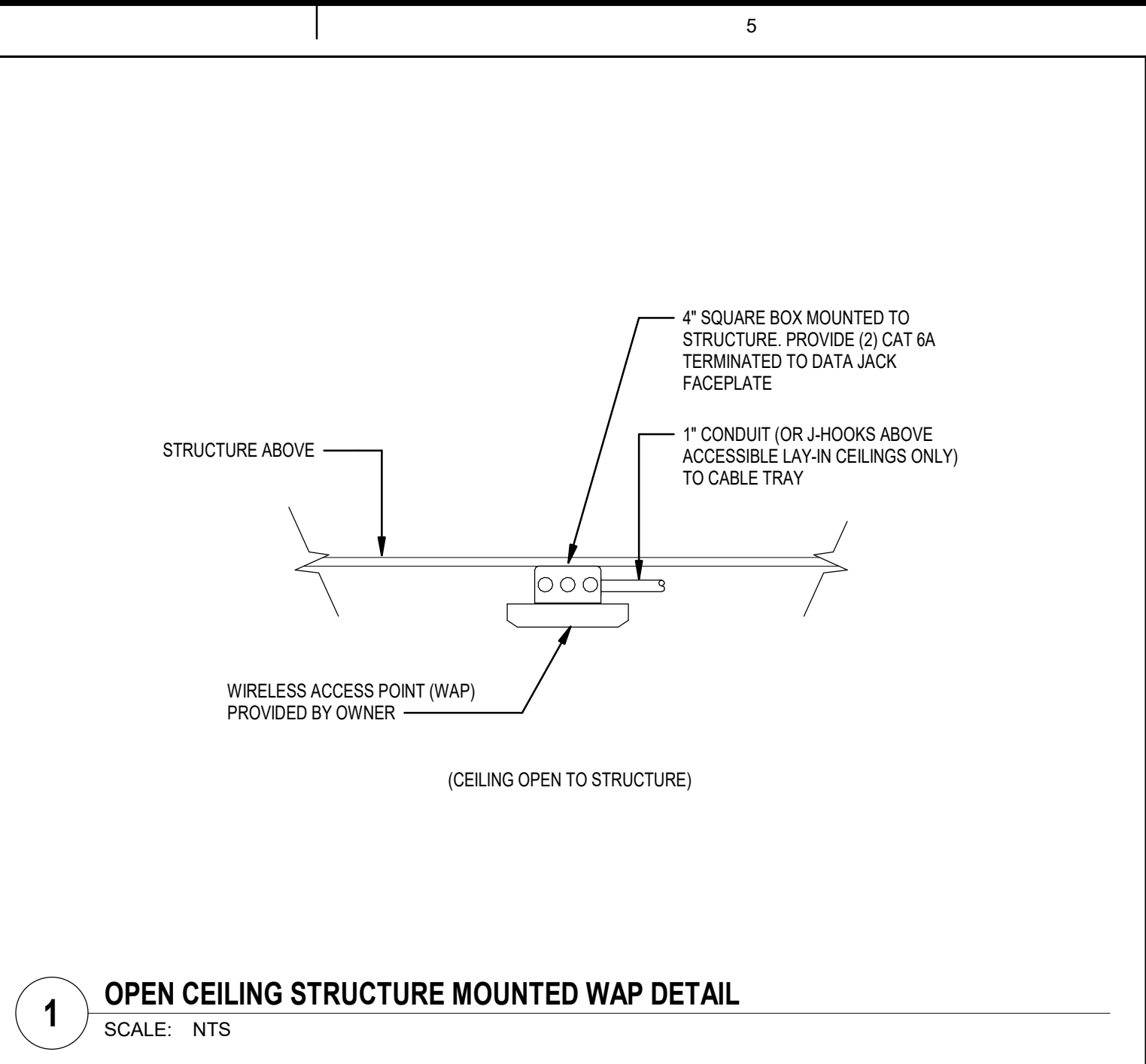
NOTES:

1. EXTEND ALL CONDUIT INTO ACCESSIBLE CEILING SPACE. INSTALL ELBOW FACING TOWARDS DATA ROOM. REAM AND BUSH ALL CONDUIT ENDS TO PREVENT CABLE DAMAGE DURING PULL. ROUTE CONDUIT DIRECTLY TO DATA ROOM UNLESS ABOVE ACCESSIBLE LAY-IN CEILING.

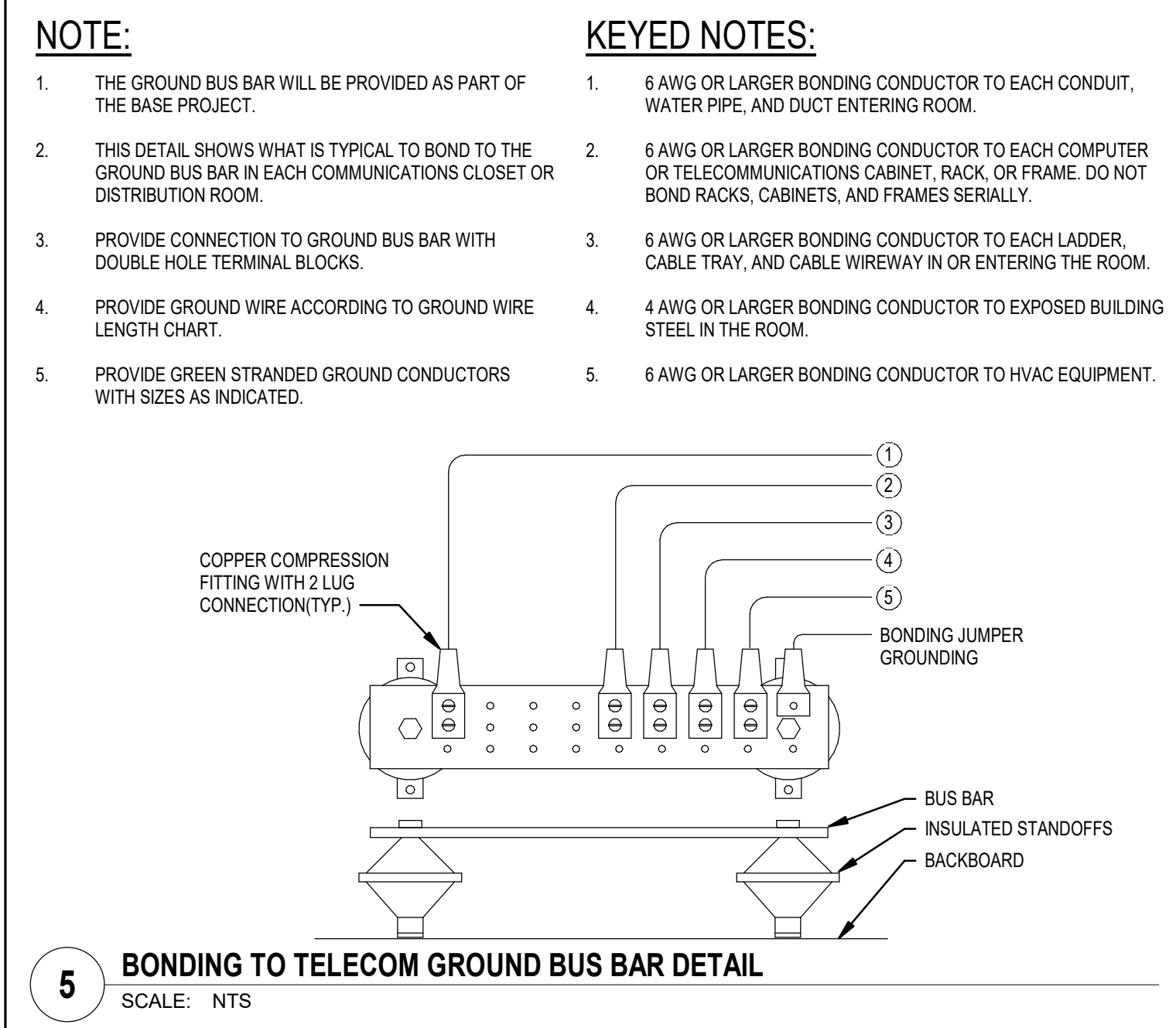
3 VOICE/DATA ROUGH-IN DETAIL
SCALE: NTS



2 LAY-IN DROPPED CEILING MOUNTED WAP DETAIL
SCALE: NTS



1 OPEN CEILING STRUCTURE MOUNTED WAP DETAIL
SCALE: NTS



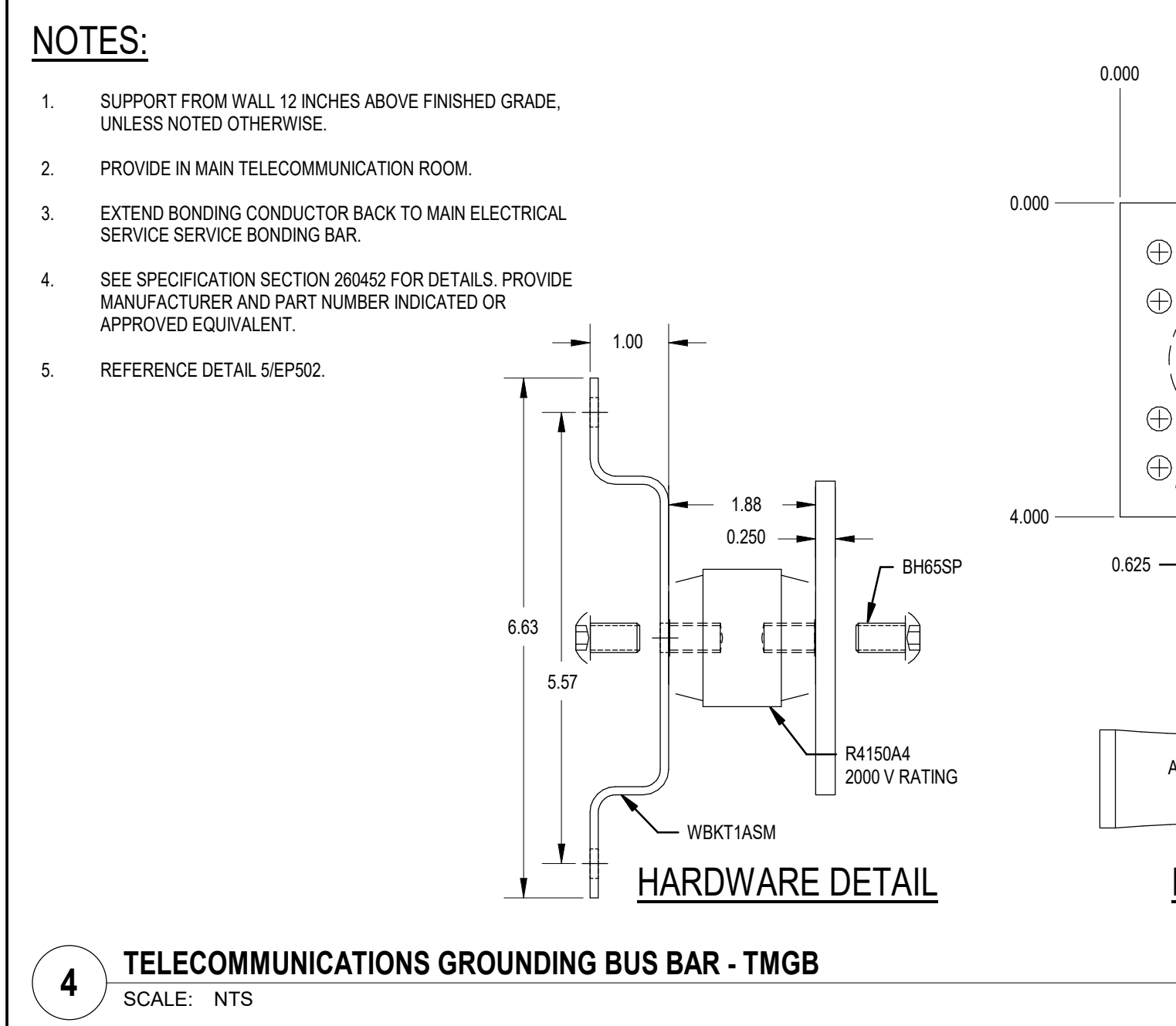
NOTE:

1. THE GROUND BUS BAR WILL BE PROVIDED AS PART OF THE BASE PROJECT.
2. THIS DETAIL SHOWS WHAT IS TYPICAL TO BOND TO THE GROUND BUS BAR IN EACH COMMUNICATIONS CLOSET OR DISTRIBUTION ROOM.
3. PROVIDE CONNECTION TO GROUND BUS BAR WITH DOUBLE HOLE TERMINAL BLOCKS.
4. PROVIDE GROUND WIRE ACCORDING TO GROUND WIRE LENGTH CHART.
5. PROVIDE GREEN STRANDED GROUND CONDUCTORS WITH SIZES AS INDICATED.

KEYED NOTES:

1. 6 AWG OR LARGER BONDING CONDUCTOR TO EACH CONDUIT, WATER PIPE, AND DUCT ENTERING ROOM.
2. 6 AWG OR LARGER BONDING CONDUCTOR TO EACH COMPUTER OR TELECOMMUNICATIONS CABINET, RACK, OR FRAME. DO NOT BOND RACKS, CABINETS, AND FRAMES SERIALLY.
3. 6 AWG OR LARGER BONDING CONDUCTOR TO EACH LADDER, CABLE TRAY, AND CABLE WIREWAY IN OR ENTERING THE ROOM.
4. 4 AWG OR LARGER BONDING CONDUCTOR TO EXPOSED BUILDING STEEL IN THE ROOM.
5. 6 AWG OR LARGER BONDING CONDUCTOR TO HVAC EQUIPMENT.

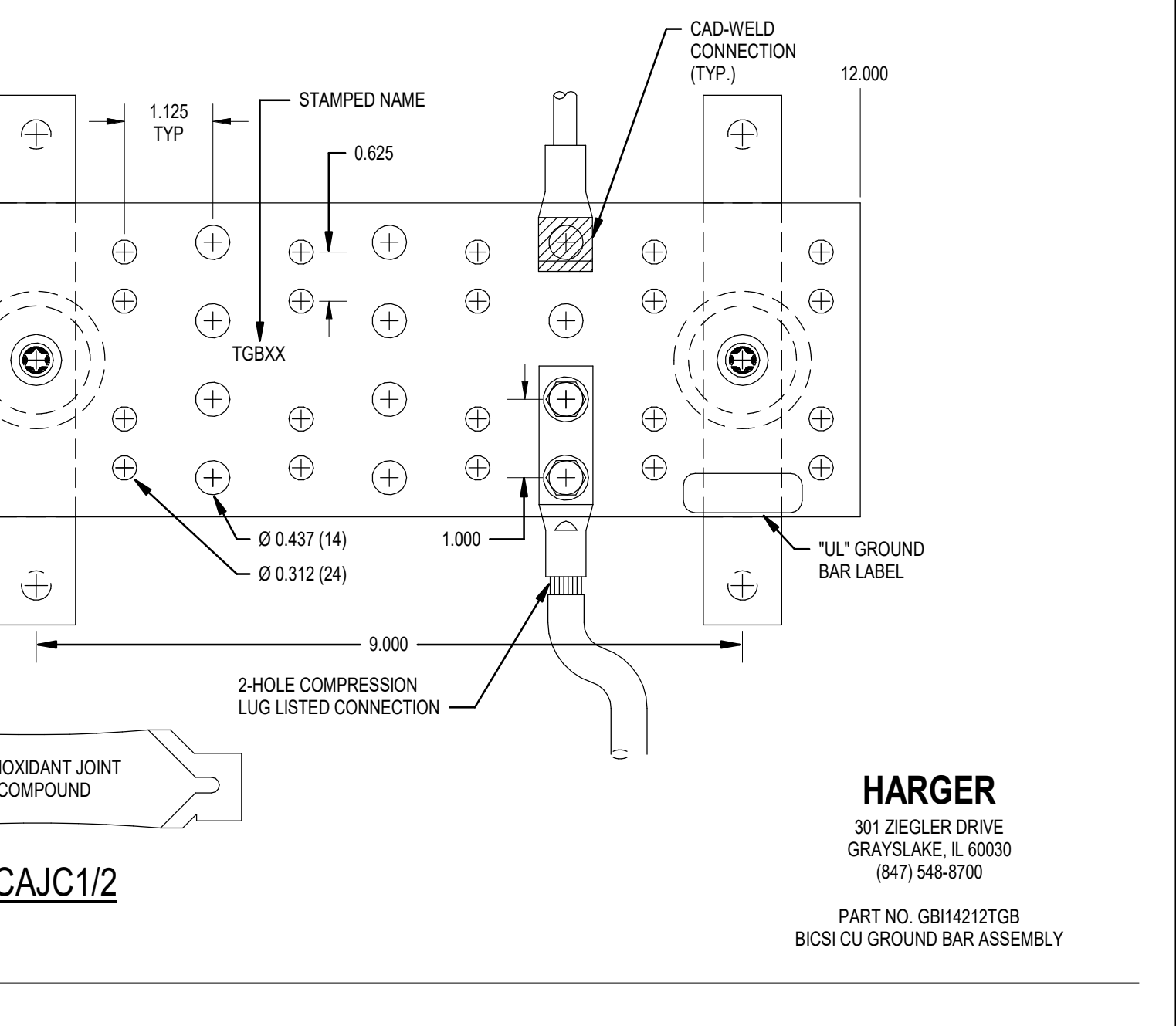
5 BONDING TO TELECOM GROUND BUS BAR DETAIL
SCALE: NTS



NOTES:

1. SUPPORT FROM WALL 12 INCHES ABOVE FINISHED GRADE, UNLESS NOTED OTHERWISE.
2. PROVIDE IN MAIN TELECOMMUNICATION ROOM.
3. EXTEND BONDING CONDUCTOR BACK TO MAIN ELECTRICAL SERVICE SERVICE BONDING BAR.
4. SEE SPECIFICATION SECTION 260452 FOR DETAILS. PROVIDE MANUFACTURER AND PART NUMBER INDICATED OR APPROVED EQUIVALENT.
5. REFERENCE DETAIL 5/EP502.

4 TELECOMMUNICATIONS GROUNDING BUS BAR - TMGB
SCALE: NTS



HCAJC1/2

HARGER
301 ZIEGLER DRIVE
GRAYS LAKE, IL 60030
(847) 548-8700
PART NO. GB14212TGB
BICSI CU GROUND BAR ASSEMBLY

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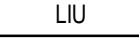



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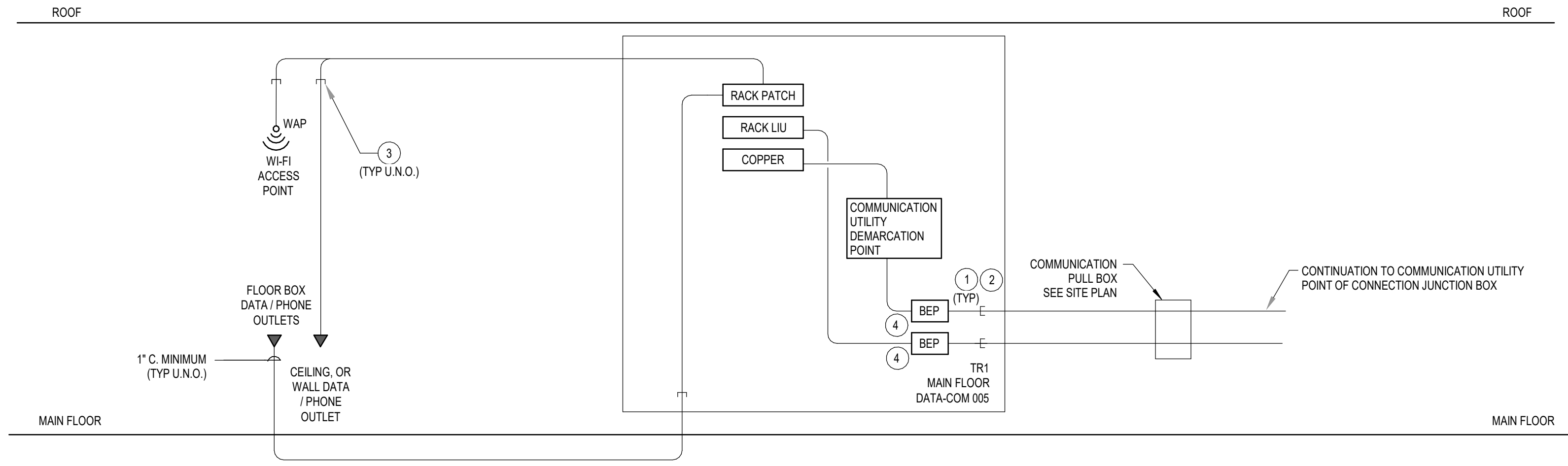
SHEET TITLE:
TELECOM DETAILS

SHEET NUMBER:
EP502

TELECOM RISER BLOCK DEFINITIONS

-  RACK MOUNTED LIGHT INTERFACE UNIT
-  RACK MOUNTED BACKBONE COPPER PATCH PANEL
-  WALL MOUNTED BUILDING ENTRANCE PROTECTOR (SURGE PROTECTION)
-  RACK MOUNTED PATCH PANELS

NOTE: ALL ITEMS NOTED ABOVE ARE PROVIDED BY OWNER



- TELECOMMUNICATIONS STANDARDS/GUIDELINES:
- CONTRACTOR SHALL FOLLOW ALL OF THE STANDARDS/REQUIREMENTS BELOW. TIA STANDARDS AND INSTALLATION PRACTICES SEE SPECIFICATIONS SECTION 271500 FOR ADDITIONAL REQUIREMENTS. THESE GUIDELINES ARE MEANT AS A REFERENCE ONLY AND NOT AS A COMPLETE SET OF STANDARDS.
- GENERAL ITEMS
- ALL TELECOM ROOMS SHALL BE LINED WITH 1/2" A/C OR BETTER PLYWOOD EXTENDING 8" HIGH WITH OUTLETS EXTENDING FLUSH WITH THE SURFACE OF THE WOOD AT 6" FT ABOVE FINISHED FLOOR.
 - ALL CONDUITS EXTENDING FROM THE FLOOR SHOULD EXTEND 1'-3" AFF AND NO MORE THAN 2" OFF ANY WALL.
 - CONDUIT ROWS SHOULD NOT EXCEED TWO DEEP.
 - CONDUITS THAT ENTER A TELECOM ROOM SHOULD TERMINATE NEAR THE CORNERS TO ALLOW FOR PROPER RACKING.
 - ALL PATHWAYS MUST NOT EXCEED 295' FROM THE TELECOM RACK TO THE DATA OUTLET.
 - ALL PENETRATIONS THROUGH FIRE RATED WALL SHALL BE PROVIDED WITH FIRE RATED PATHWAYS, PUTTY PADS AND FIRE CAULKING SUCH THAT THE WALL RAITING IS MAINTAINED. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. REFER TO DRAWINGS AND SPECIFICATIONS FOR ALL OUTLET/DEVICE INSTALLATION REQUIREMENTS AND LOCATIONS.
 - UNLESS OTHERWISE NOTED, ALL CABLE SHALL BE INSTALLED IN CONDUIT OR SUPPORTED BY J-HOOKS AT ACCESSIBLE LAY-IN CEILING LOCATIONS ONLY, WITH THE EXCEPTION OF PATCH CABLES. PROVIDE CONTINUOUS CONDUIT AT OPEN CEILINGS.
- ACCEPTABLE CONDUIT RUNS
- MUST NOT HAVE A BEND OVER 90 DEGREES OR AN AGGREGATE OF BENDS IN EXCESS OF 180 DEGREES BETWEEN FULL POINTS.
 - CONDUIT SEGMENTS SHALL NOT EXCEED 100' WITHOUT A PULL POINT.
 - CONDUIT RUNS SHOULD BE LIMITED TO LESS THAN 150'.
 - ALL EMPTY CONDUITS SHALL BE EQUIPPED WITH A PULL CORD THAT HAS A MINIMUM RATING OF 200 LBS.
 - ALL CONDUIT LOCATED BELOW GRADE OR IN THE SLAB SHALL BE 1" MINIMUM. CATEGORY CABLING RAN BELOW GRADE OR IN THE SLAB SHALL BE OF THE WET LOCATION LISTED TYPE.
 - ALL CONDUIT RUNS SHALL BE SINGLE CONTINUOUS RUNS FROM THE VOICEDATA OUTLET TO THE NEAREST CABLE TRAY. JUNCTION BOXES ARE ALLOWED IN ACCESSIBLE LOCATIONS ONLY. J-HOOKS MAY BE USED AT ACCESSIBLE LOCATIONS ABOVE LAY-IN CEILINGS.
 - FLEXIBLE METALLIC AND FLEXIBLE NONMETALLIC CONDUIT ARE PROHIBITED.
- PATHWAYS AND CABLE SUPPORT
- PATHWAYS MUST HAVE ADEQUATE SUPPORT TO WITHSTAND PULLING THE CABLES.
 - PATHWAYS SHOULD BE INSTALLED AT LEAST 3" OF CLEAR VERTICAL SPACE ABOVE THE CEILING TILES AND T-BARS TO ENSURE ACCESSIBILITY, AND SHOULD AT NO POINT REST OR BE SUPPORTED BY ANY COMPONENT OF THE SUSPENDED CEILING.
 - J-HOOKS SHOULD AT NO POINT EXCEED 4' FOR ADEQUATE SUPPORT.
 - PROVIDE CABLE TRAYS AS INDICATED ON THE DRAWINGS. FOR AREAS EXCEEDING 75 DATA CABLES, NOT WITH CABLE TRAY, ADDITIONAL CABLE TRAY SHALL BE PROVIDED FOR ADEQUATE SUPPORT.
- GROUNDING AND BONDING
- IF THERE IS A CONFLICT BETWEEN LOCAL SAFETY CODE, OWNER, OR THE MANUFACTURES REQUIREMENTS, THE CONFLICT SHOULD BE RESOLVED WITH THE AHJ BEFORE PROCEEDING.
 - ENTRANCE FACILITY (EF) MUST CONTAIN THE TMGB (4" WIDE 1/4" THICK AND NO LESS THAN 12" IN LENGTH) THIS WILL SERVE AS THE DEDICATED EXTENSION OF THE BUILDING AC GROUNDING ELECTRODE SYSTEM FOR THE TELECOM INFRASTRUCTURE.
 - THE PLACEMENT OF THIS BUS-BAR MUST BE IN CLOSE PROXIMITY TO THE PRIMARY SECONDARY SURGE PROTECTION, CABLE SHEATHS, AND ENTRANCE CONDUITS.
 - THE INSTALLATION OF THE TELECOM BONDING BACKBONE (CONNECTS THE TMGB TO TGB'S AND SHOULD BE RUN AS SHORT AND STRAIGHT AS POSSIBLE).

TELECOM RISER KEYED NOTES:

- CONDUITS/SLEEVES SHALL BE STUBBED 3" ABOVE AND BELOW THE FLOOR AND THREADED FOR COLLARS. LOCATE IMMEDIATELY ADJACENT TO THE WALL (NO MORE THAN 2"), ALLOWING ROOM FOR BUSHINGS OR CAPS.
- CAP OR PLUG ALL UNUSED SERVICE CONDUITS. TO PREVENT ENTRY OF WATER AND/OR DEBRIS.
- STUB CONDUIT TO NEAREST CABLE TRAY OR TELECOM ROOM AND PROVIDE BUSHING. J-HOOKS MAY ONLY BE USED FOR CAT CABLING ABOVE LAY-IN CEILINGS WHERE ACCESSIBLE.
- COMMUNICATION UTILITY TO PROVIDE BUILDING ENTRANCE PROTECTOR (BEP) MOUNTED TO PLYWOOD AT BUILDING ENTRANCE LOCATED IN MAIN TELECOM ROOM (ENTRANCE FACILITY); COMMUNICATION UTILITY TO PROVIDE PROTECTIVE MODULES FOR EACH INCOMING COPPER PAIR.

3 TELECOMMUNICATIONS RISER DIAGRAM
SCALE: NTS

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**OGDEN BAY
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REVISIONS:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

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SPE PROJECT #: 19-55
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SHEET TITLE:

**TELECOM RISER
DIAGRAM**

SHEET NUMBER:

EP503

MECHANICAL EQUIPMENT SCHEDULE

UNIT NAME	TYPE	No.	DESCRIPTION	ELECTRICAL INPUT				FEEDER				STARTER / DISCONNECT / CONNECTION AT UNIT				ENCLOSURE	REMARKS			
				LOAD	TYPE	VOLTS	PHASE	AMPS	QTY	CONDUIT SIZE	WIRE SIZE	EQPT GND	NOTE	STARTER SIZE	OCF SIZE			DISCONNECT SIZE	POLES	
CU	1		CONDENSING UNIT	17	MCA	240 V	1	17 A	1	3/4"	2	10	10	10A	25	2	30	2	NEMA 3R	
CU	2		CONDENSING UNIT	18	MCA	240 V	1	18 A	1	3/4"	2	10	10	10A	25	2	30	2	NEMA 3R	
CU	3		CONDENSING UNIT	19	MCA	240 V	1	19 A	1	3/4"	2	10	10	10A	25	2	30	2	NEMA 3R	
EF	1		EXHAUST FAN	0.04	HP	120 V	1	1.8 A	1	3/4"	2	12	12	12A			1 HP	1		
EF	2		EXHAUST FAN	0.04	HP	120 V	1	1.8 A	1	3/4"	2	12	12	12A			1 HP	1		
F	1		FURNACE	0.5	HP	120 V	1	9.8 A	1	3/4"	2	12	12	1A			1 HP	1		
F	2		FURNACE	0.5	HP	120 V	1	9.8 A	1	3/4"	2	12	12	1A			1 HP	1		
SS	1		CONDENSING UNIT	1	MCA	240 V	1	1 A	1	3/4"	2	10	10	1A			1 HP	2		
WC	1		WALK IN COOLER EVAPORATOR	1.8	FLA	120 V	1	1.8 A	1	3/4"	2	12	12	1A			30	1		SEE 'E-02', 'E-04', & 'E-05' OF CONNECTION SCHEDULE, SHEET FS-102
WC	2		WALK IN COOLER CONDENSER	5.7	FLA	240 V	1	5.7 A	1	3/4"	2	12	12	10A	15	2	30	2	NEMA 3R	SEE 'E-01' OF CONNECTION SCHEDULE, SHEET FS-102
WH	1		WATER HEATER	3	FLA	120 V	1	3 A	1	3/4"	2	12	12	13A						
WS	1		WATER SOFTENER	1	MCA	120 V	1	1 A	1	3/4"	2	12	12	13A						

EQUIPMENT SCHEDULE

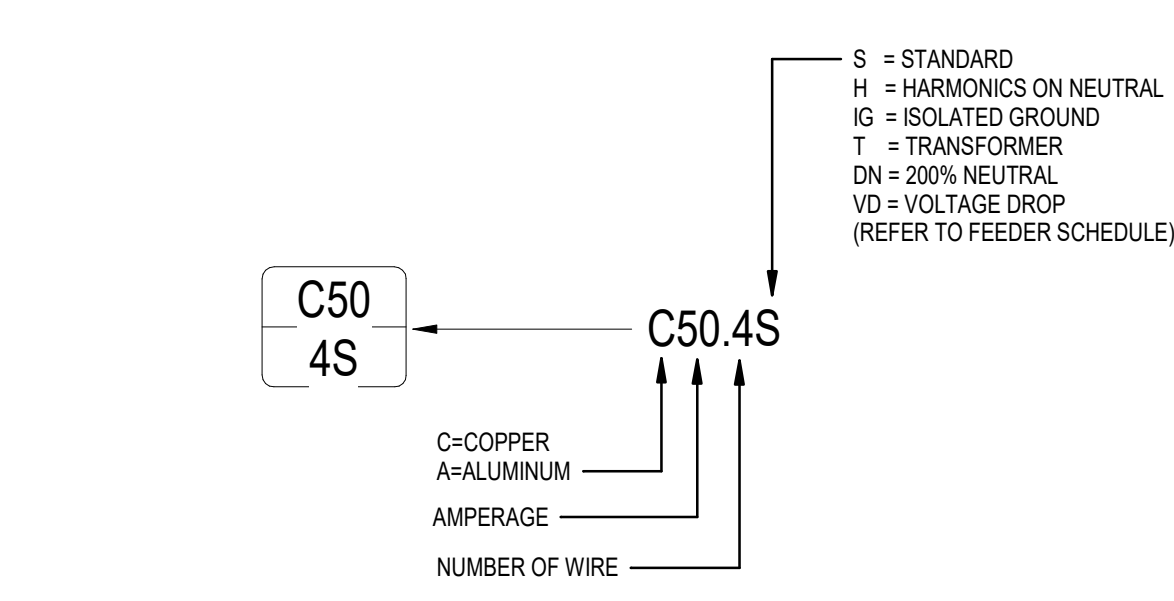
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				LOAD	TYPE	VOLTS	PHASE	AMPS	QTY	CONDUIT SIZE	WIRE SIZE	EQPT GND	NOTE	CONNECTION TYPE	OCF SIZE		DISCONNECT SIZE	POLES		
D	1		DRYER	4	FLA	120 V	1	4 A	1	3/4"	2	12	12	13A	RECEPTACLE					
W	1		WASHER	5.5	FLA	120 V	1	6 A	1	3/4"	2	12	12	13A	RECEPTACLE					

STARTER/DISCONNECT/CONNECTION AT UNIT NOTES:

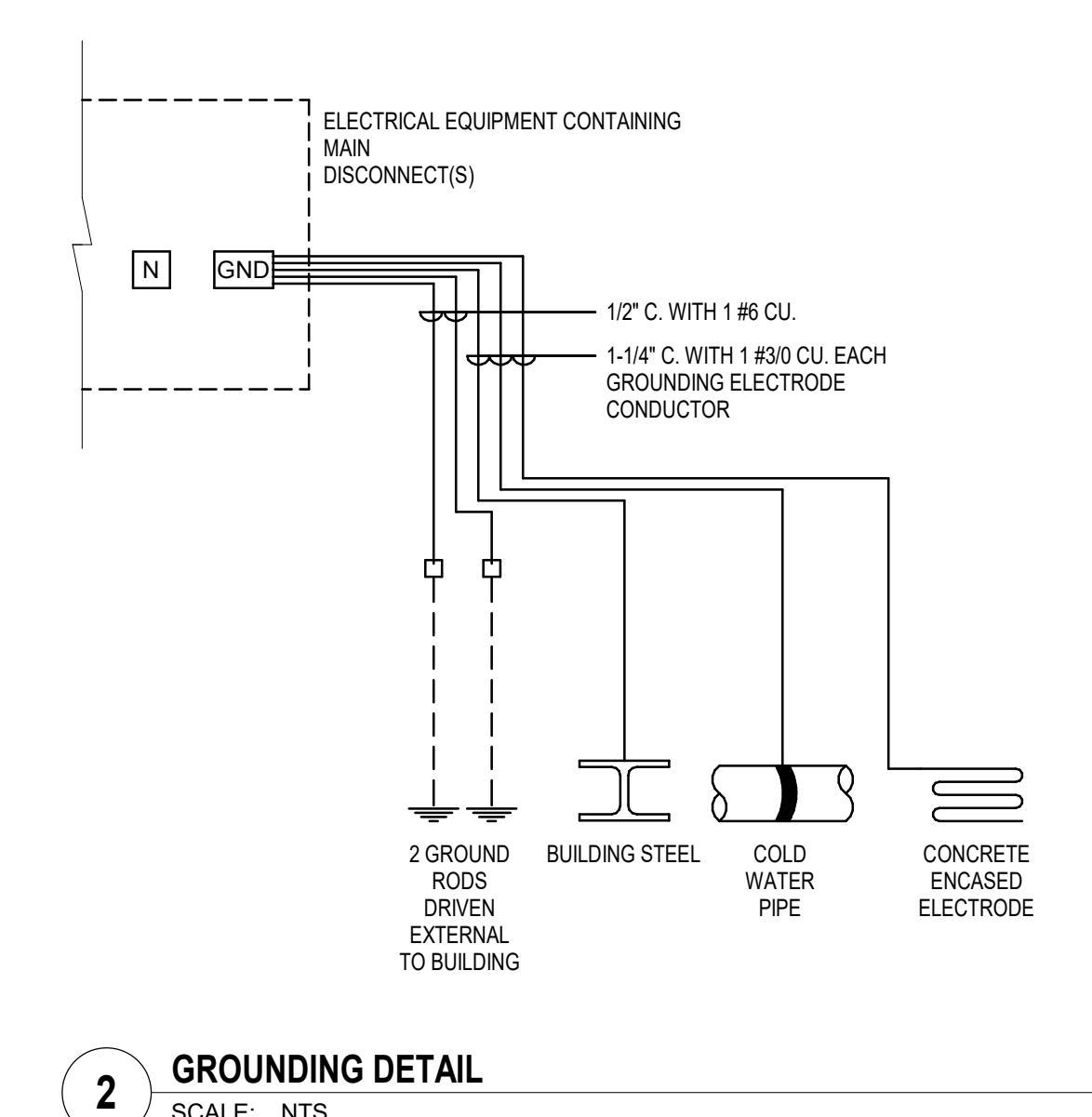
- | | | |
|---|---|--|
| <ol style="list-style-type: none"> MANUAL STARTER WITH THERMAL OVERLOAD MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR ATC CONTROL. COMBINATION MAGNETIC STARTER / FUSED DISCONNECT COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP) COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP) REDUCED VOLTAGE STARTER COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP) NON-FUSED DISCONNECT SWITCH FUSED DISCONNECT SWITCH | <ol style="list-style-type: none"> BREAKER AND ENCLOSURE DIRECT CONNECTION DUPLEX RECEPTACLE OUTLET SPECIAL PURPOSE OUTLET SHUNT-TRIP DISCONNECT TOGGLE SWITCH MAGNETIC STARTER FUSED ELEVATOR SWITCH PROVIDE LATE-MAKE-EARLY-BREAK DISCONNECT | <ol style="list-style-type: none"> FURNISHED, INSTALLED & CONNECTED UNDER DIVISION 26. FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 26 FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26 FURNISHED, INSTALLED & CONNECTED UNDER ANOTHER DIVISION FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 26 |
|---|---|--|

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED.
- REFER TO FEEDER SCHEDULE ON THE ONE-LINE DIAGRAM FOR CONDUIT AND WIRE SIZES.
- ELECTRICAL CONTRACTOR SHALL REVIEW MECHANICAL DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID.
- ELECTRICAL CONTRACTOR SHALL REVIEW OTHER TRADE SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.
- SIZE ALL FUSES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS



1 FEEDER DETAIL
SCALE: NTS



2 GROUNDING DETAIL
SCALE: NTS

FEEDER SCHEDULE

FEEDER	# OF SETS	CONDUIT DIAMETER (INCH)	CONDUCTOR #	SIZE	EQ GND COND	ISOLATED GROUND	SYSTEM BONDING JUMPER
A225	3S	1	2	1/2	3	300	2
C225	3S	1	2	1/2	3	4/0	4

GENERAL ONE-LINE NOTES:

- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE OWNER PRIOR TO BIDDING AND PROVIDE EQUIPMENT RATED ACCORDINGLY. SUBMIT FAULT CURRENT CALCULATIONS WITH SHOP DRAWINGS SUBMITTAL.
- PROVIDE FULL LENGTH VERTICAL BUSSING ALL IN ALL SWITCHBOARDS, DISTRIBUTION PANELBOARDS, AND PANELBOARDS.
- COORDINATE SPACE WITH ALL OTHER TRADES TO MAINTAIN ALL CODE-REQUIRED CLEARANCES.

SELECTIVE COORDINATION REQUIREMENTS:

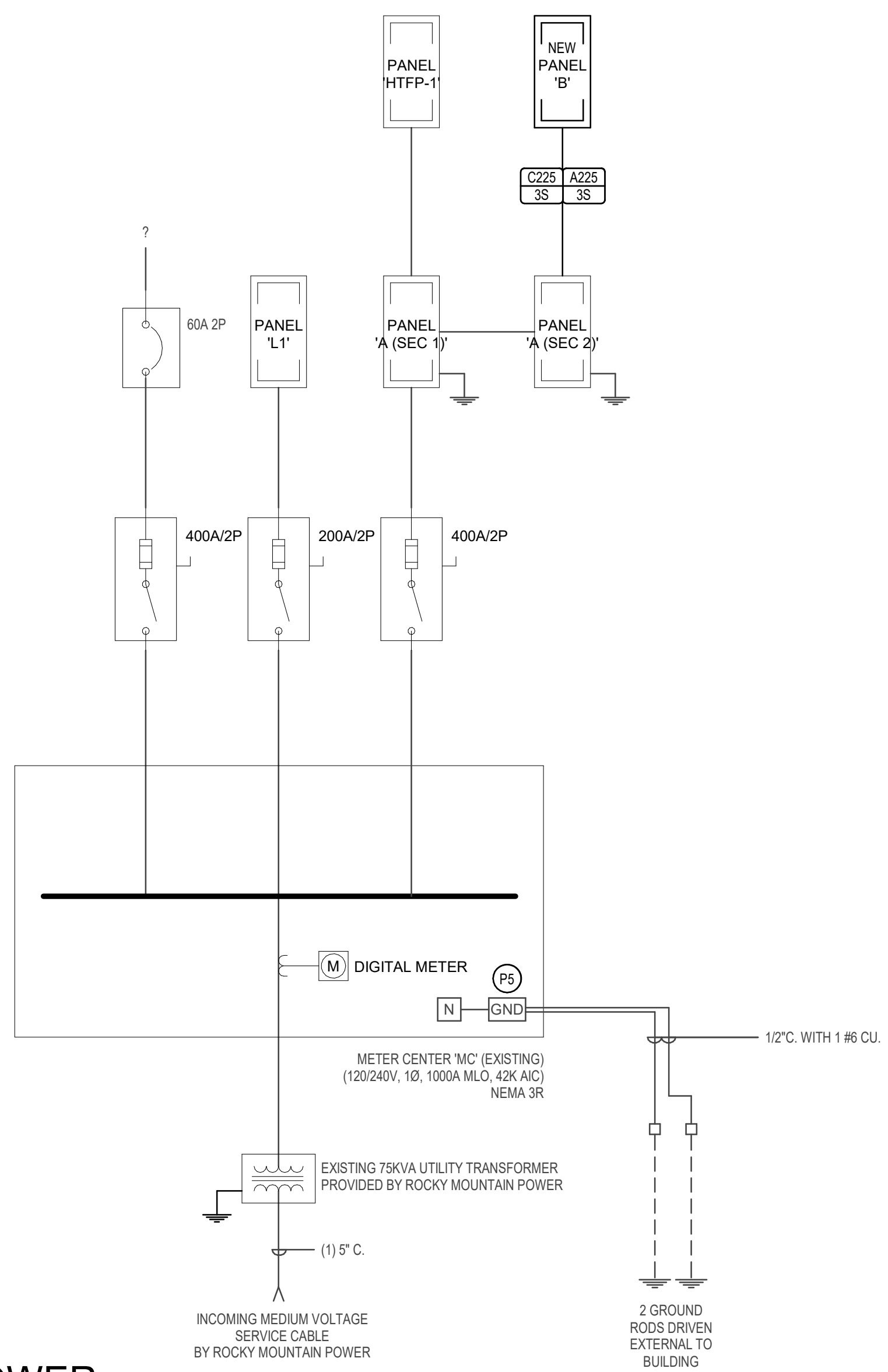
- AT THE END OF THE PROJECT A COMPLETE FAULT CURRENT AND ARC-FLASH STUDY SHALL BE SUBMITTED FOR REVIEW. SEE SPECIFICATIONS FOR DETAILS.

FEEDER GENERAL NOTES:

- CONTRACTOR SHALL REVIEW ONE-LINE DIAGRAM AND CONFIRM FEEDER WIRE SIZES. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO BID. IF DISCREPANCIES EXIST, CONTRACTOR SHALL PROVIDE CORRECT WIRE SIZE BASED ON ACTUAL BREAKER SIZE AND ANY VOLTAGE DROP ADJUSTMENTS. SEE NEC 210.19, 215.2, 250.112, AND 310.15.
- ALL GROUNDING WIRES SHOWN IN FEEDER SCHEDULE ARE COPPER WIRES.
- ALL SYSTEM BONDING JUMPER CONDUCTORS SHOWN ARE TO BE RUN IN EACH PARALLEL FEEDER SET.

KEYED NOTES

- ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THAT NEUTRAL AND GROUND BUS BARS ARE BONDED IN UTILITY TRANSFORMER OR EXISTING METER CENTER 'MC'.



3 ONE-LINE DIAGRAM POWER
12" = 1'-0"

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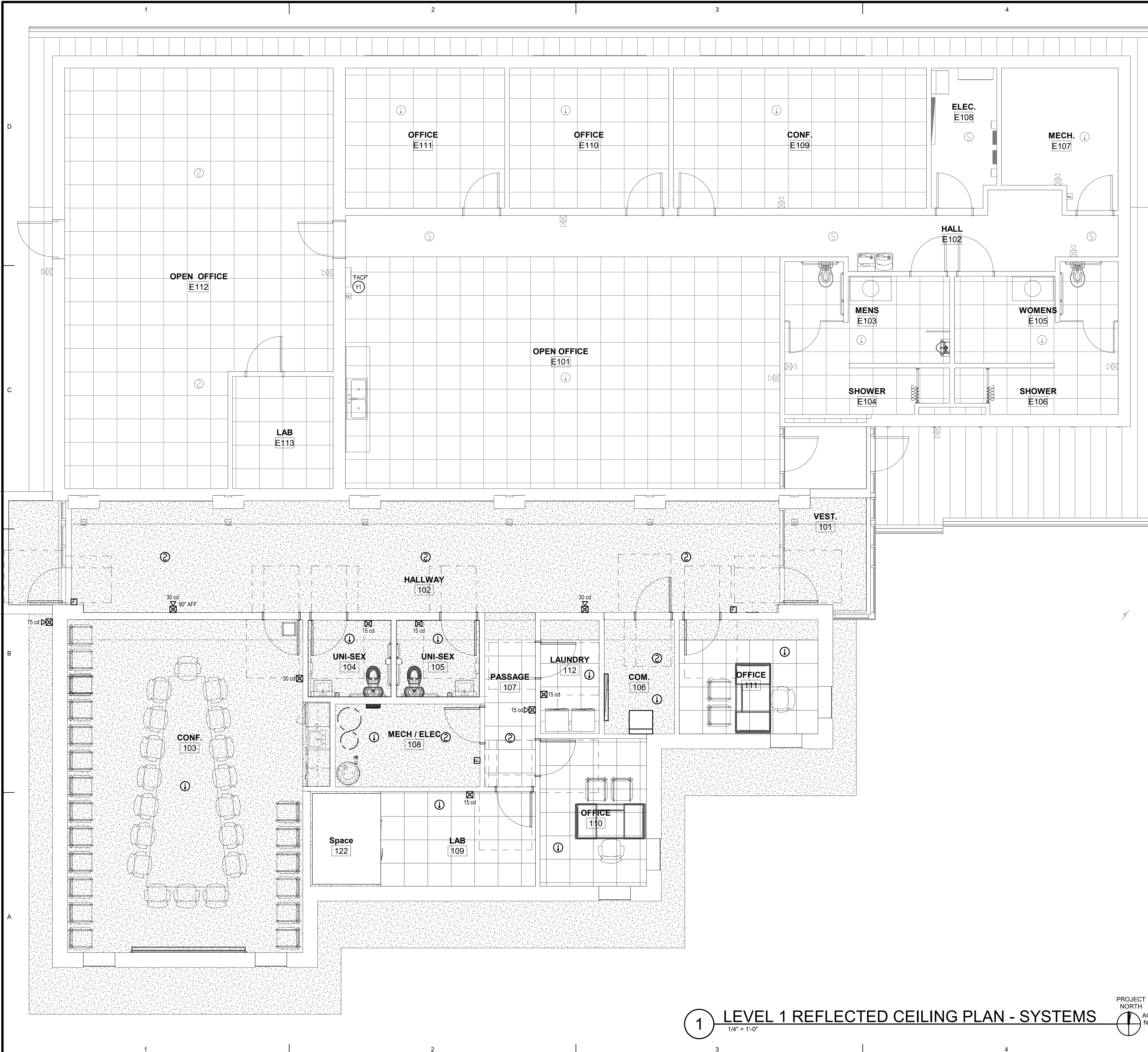
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ONE-LINE DIAGRAM - POWER

SHEET NUMBER:

EP701

Last Plotted: 8/13/2020 10:17:14 AM



SYSTEMS GENERAL NOTES:

1. COORDINATE ALL WALL MOUNTED LOCATIONS WITH THE ARCHITECT.
2. DO NOT LOCATE ANY FIRE ALARM DEVICES BEHIND DOORS OR SHELVING. REFER TO THE ARCHITECTURAL DRAWINGS FOR SHELVING LOCATIONS.
3. THE DIVISION 28 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS, AND CONDUIT RUNS.
4. ALL CONDUITS THAT TERMINATE ABOVE THE CEILING SHALL TERMINATE WITH NYLON BUSHING.
5. CONTRACTOR SHALL COORDINATE ALL CEILING MOUNTED DEVICES WITH THE LIGHTING PLANS. RELOCATED DEVICES AS NECESSARY. RELOCATED DEVICES SHALL COMPLY WITH ALL NFPA SPACING REQUIREMENTS.
6. ALL FIRE ALARM DEVICE LOCATIONS, EQUIPMENT LOCATIONS, RISER DIAGRAM, ETC. ARE SCHEMATIC IN NATURE AND ARE SHOWN TO PROVIDE INTENT OF THE FIRE ALARM SYSTEM TO BE PROVIDED. FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE BID AND SHOP DRAWINGS THAT INCLUDE A FULL CODE COMPLIANT DESIGN INCLUDING ALL NOTIFICATION AND INITIATION DEVICES REQUIRED WHETHER SHOWN OR NOT.

KEYED NOTES #

- Y1 LOCATION OF EXISTING FIRE ALARM CONTROL PANEL.

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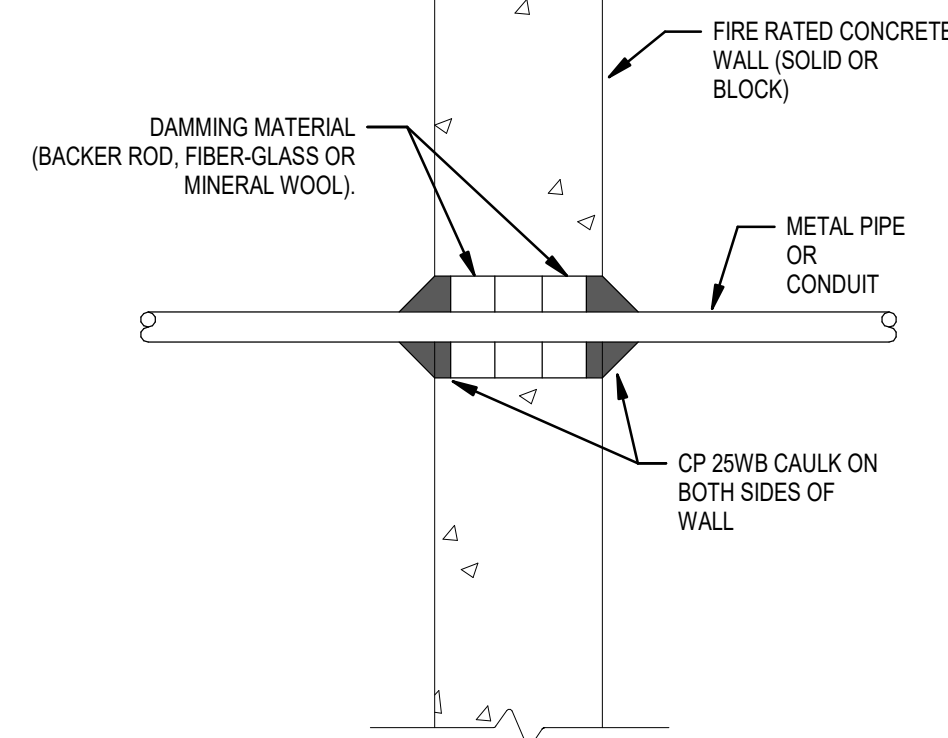
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SHEET TITLE:
**LEVEL 1
REFLECTED
CEILING PLAN -
SYSTEMS**

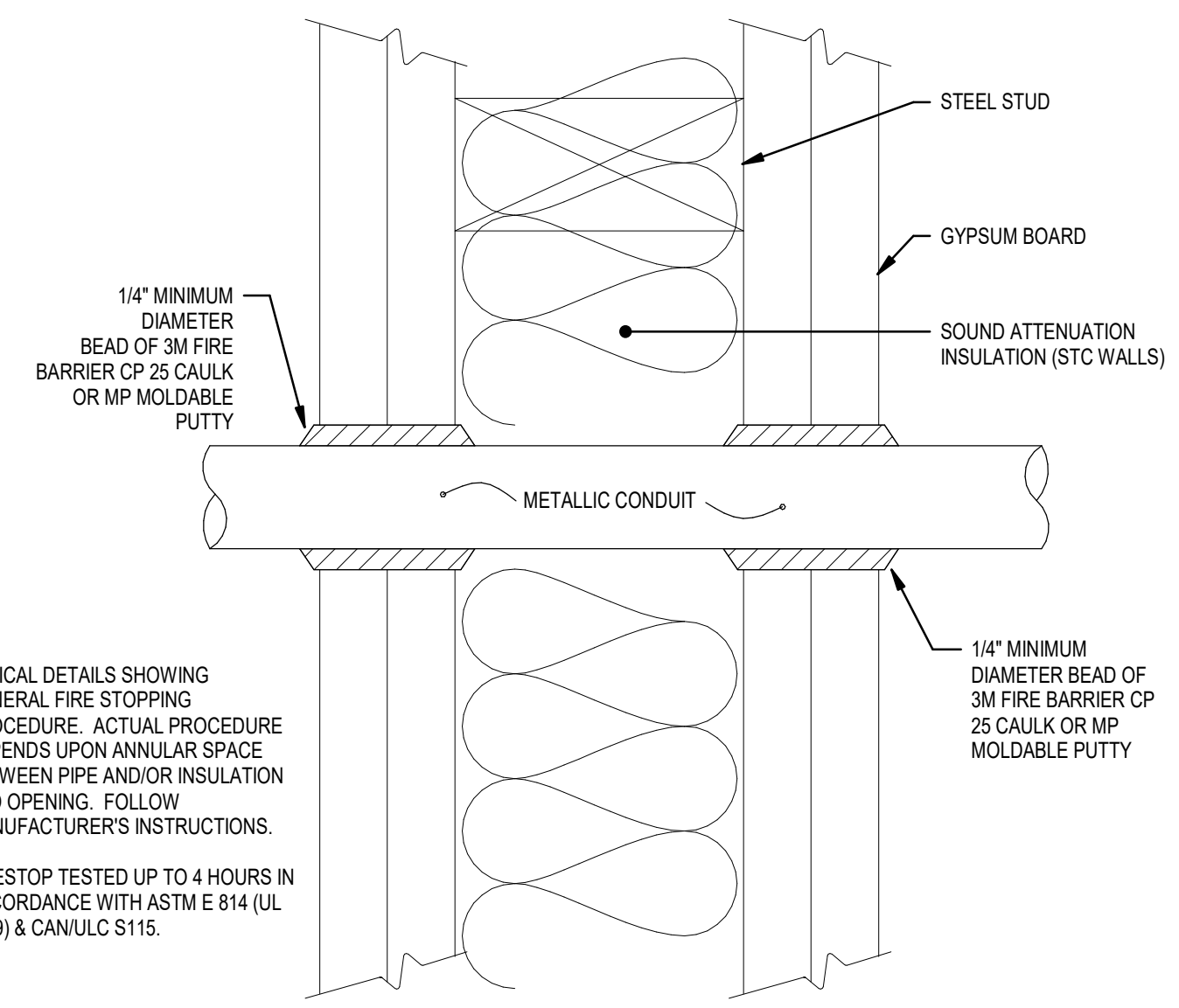
SHEET NUMBER:
EY101

1 LEVEL 1 REFLECTED CEILING PLAN - SYSTEMS
 1/4" = 1'-0"



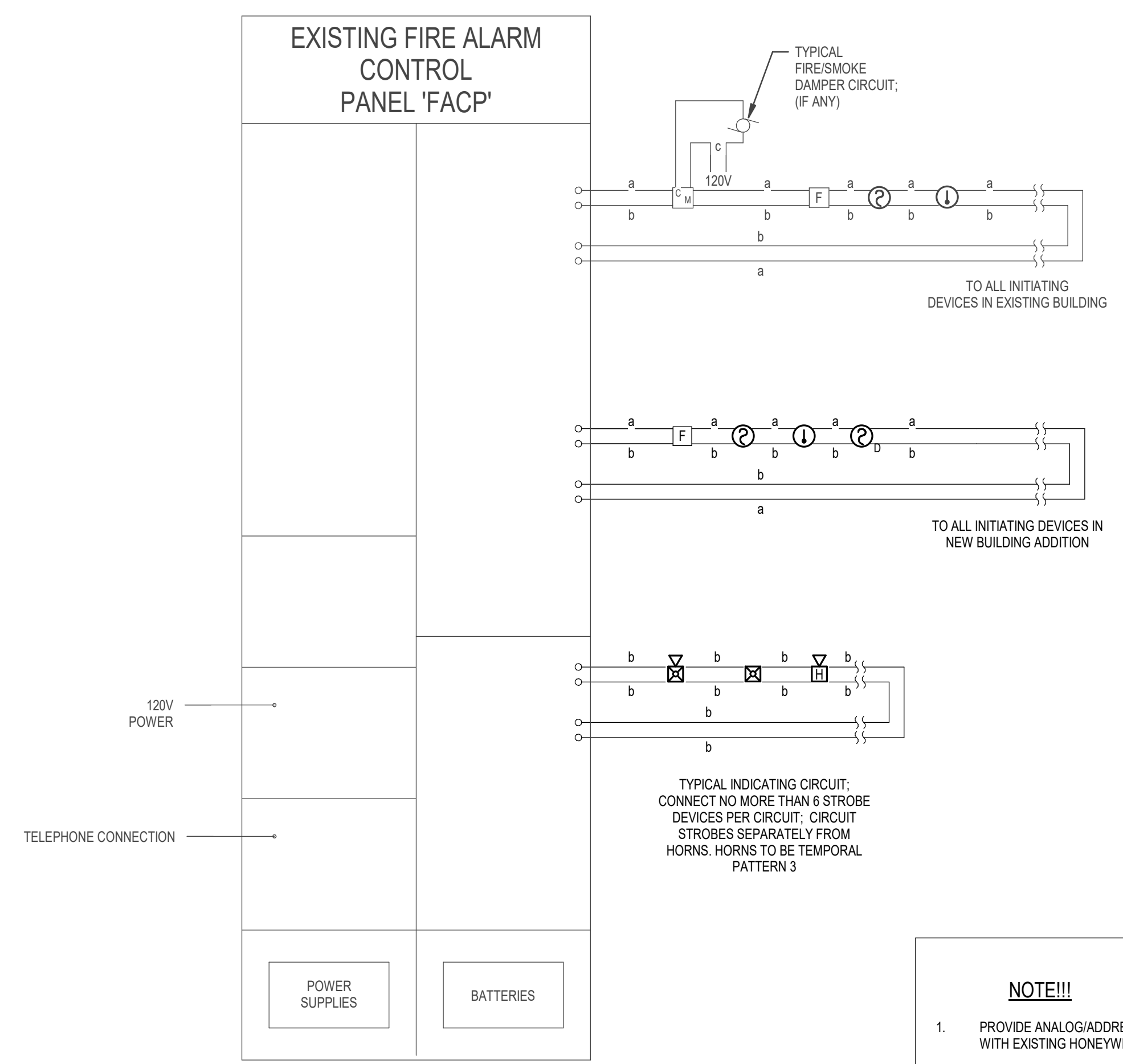


2 TYPICAL CONCRETE WALL PENETRATION DETAIL
SCALE: NTS



NOTE:
1. TYPICAL DETAILS SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURER'S INSTRUCTIONS.
2. FIRESTOP TESTED UP TO 4 HOURS IN ACCORDANCE WITH ASTM E 814 (UL 1479) & CANULC S115.

1 TYPICAL GYPBOARD WALL PENETRATION DETAIL
SCALE: NTS



3 FIRE ALARM ONE-LINE DIAGRAM
SCALE: NTS

NOTE!!!

- PROVIDE ANALOG/ADDRESSABLE FIRE ALARM SYSTEM COMPATIBLE WITH EXISTING HONEYWELL NOTIFIER FIRE ALARM SYSTEM.
- REFER TO SYSTEM PLANS FOR EXACT LOCATION & QUANTITY OF ALL FIRE ALARM DEVICES.
- CONFIRM ALL WIRING REQUIREMENTS WITH FIRE ALARM SYSTEM SUPPLIER AND PROVIDE IN ACCORDANCE THERE WITH.
- THE SUCCESSFUL FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE A COMPUTER DRAFTED PLAN OF THE FIRE ALARM SYSTEM USING FLOOR PLANS PROVIDED BY THE ARCHITECT. COMPLETE RISER & WIRING DIAGRAMS SHALL BE INCLUDED.
- THE SYSTEM SHALL BE PROGRAMMED SO THAT IF ANY INITIATION DEVICE IS ACTUATED, AN ALARM SIGNAL WHICH IS AUDIBLE THROUGHOUT THE BUILDING WILL BE ACTIVATED.

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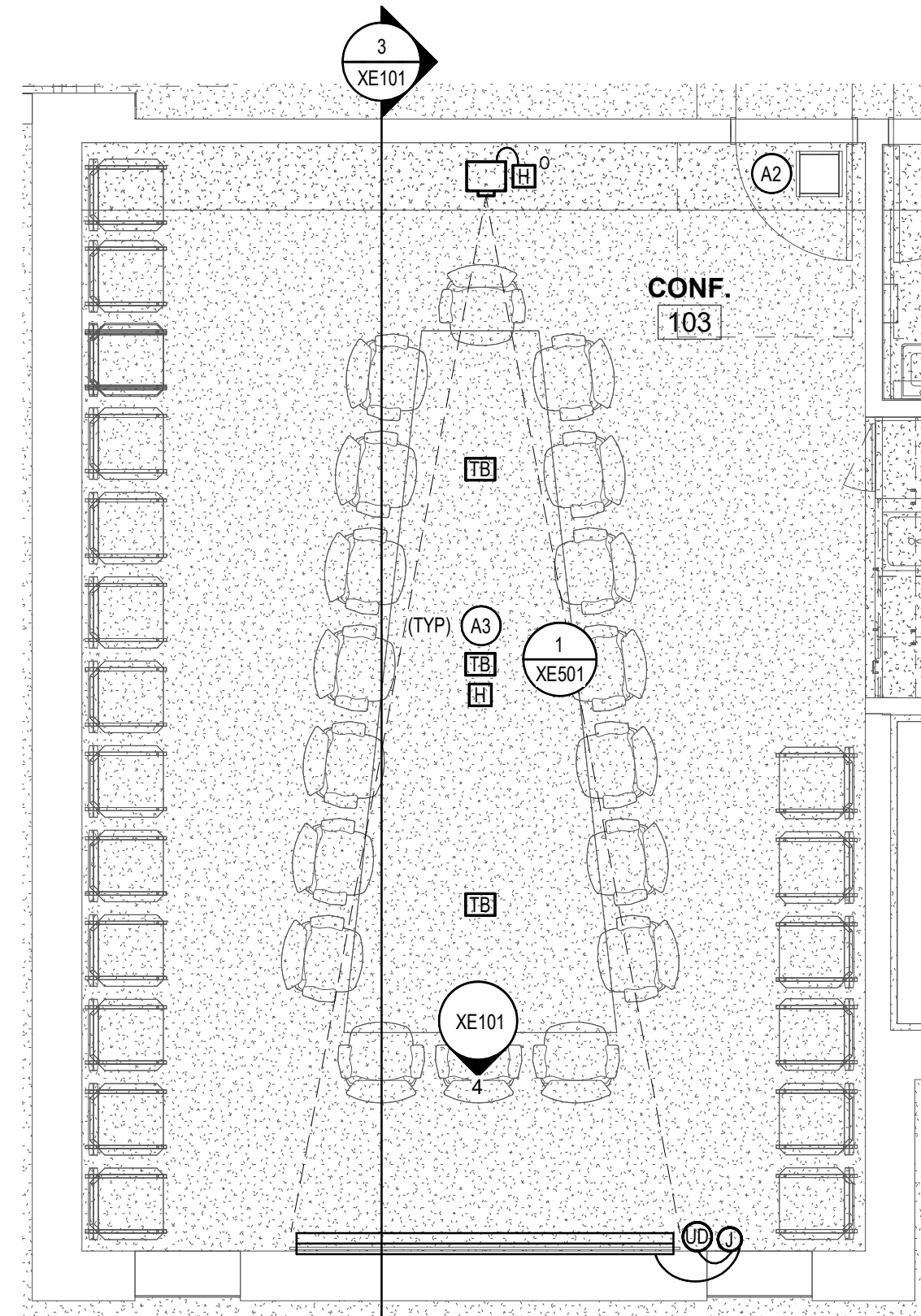
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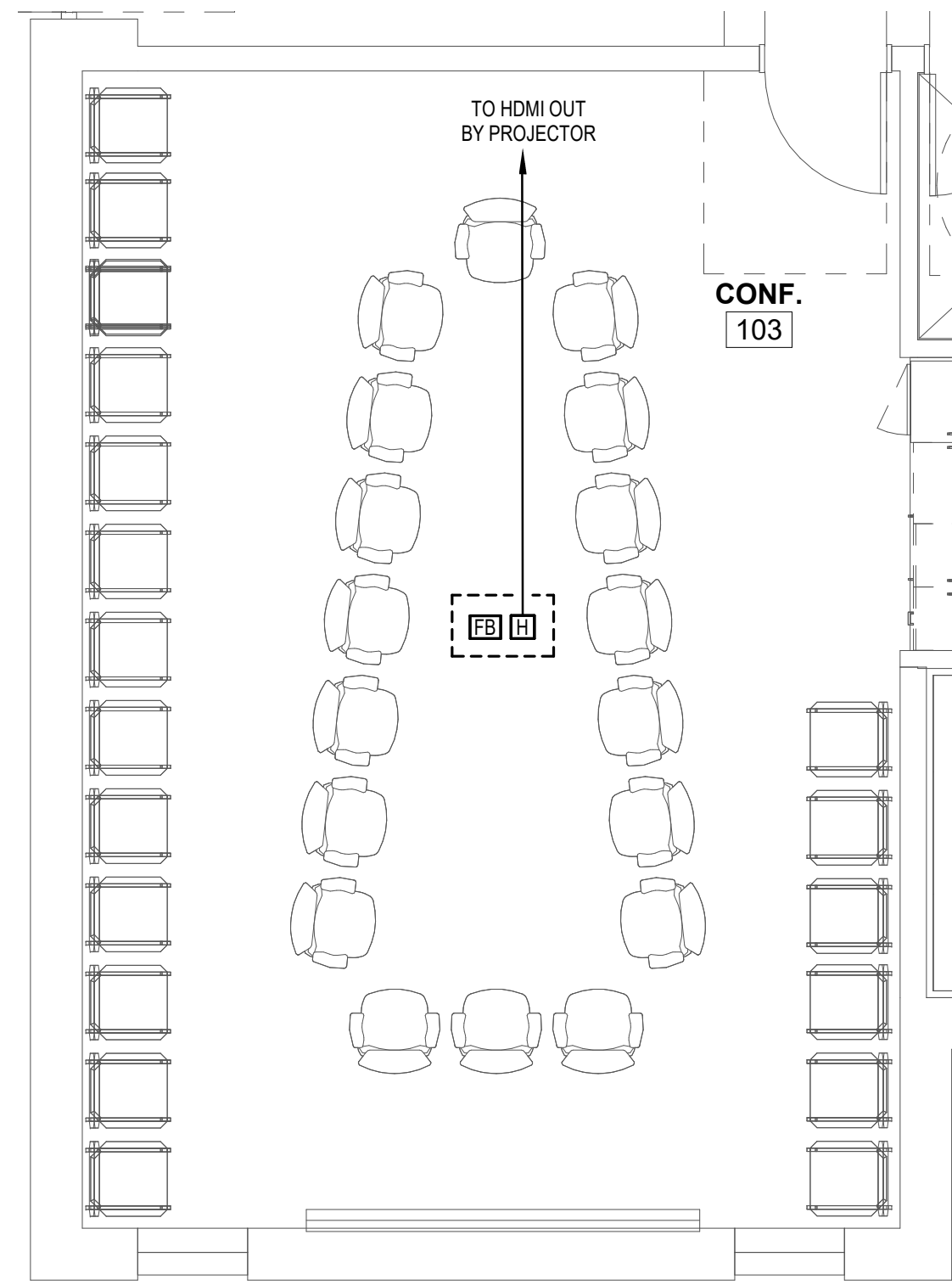
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SHEET TITLE:
**SYSTEMS
DETAILS**

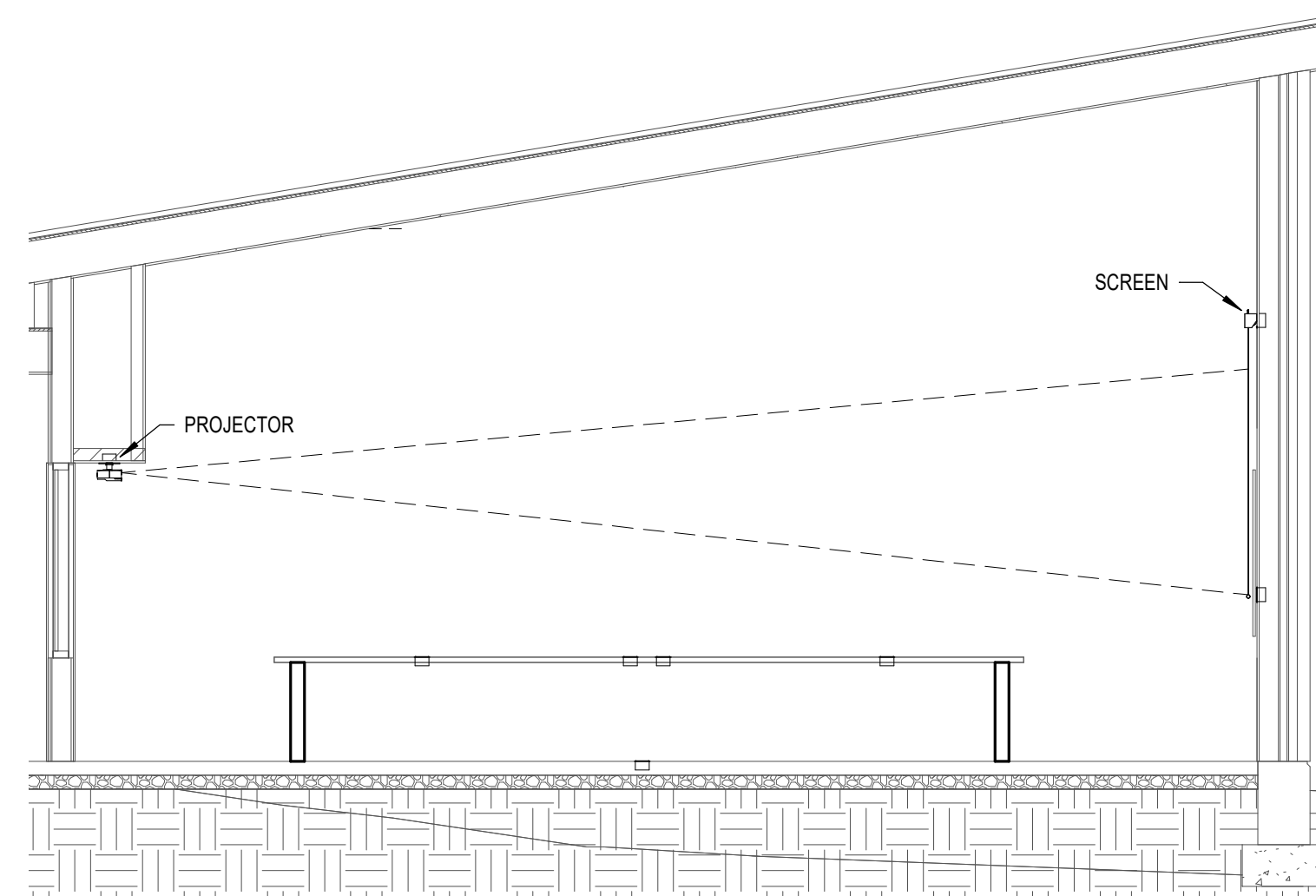
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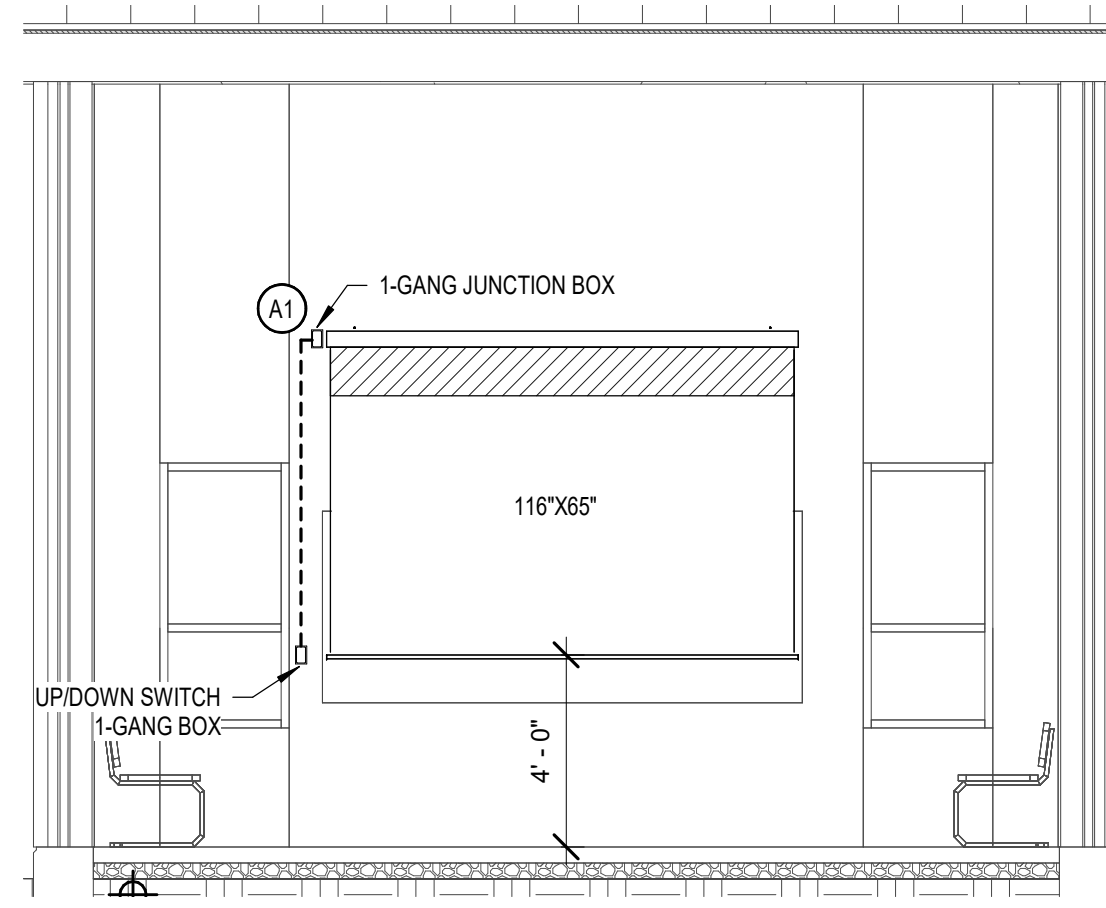
1 CONFERENCE ROOM 103 REFLECTED CEILING PLAN - AUDIO VISUAL
SCALE: 1/4" = 1'-0"



2 CONFERENCE ROOM 103 FLOOR PLAN - AUDIO VISUAL
SCALE: 1/4" = 1'-0"



3 ENLARGED CONFERENCE ROOM 103 SECTION
SCALE: 1/4" = 1'-0"



4 ENLARGED CONFERENCE ROOM 103 ELEVATION
SCALE: 1/4" = 1'-0"

AUDIO VISUAL GENERAL NOTES

- SEPARATE 110V, 60A OR LESS POWER CABLES FROM THE AV CABLES, INCLUDING MICROPHONE CABLES, LINE LEVEL AUDIO CABLES, WIRELESS MICROPHONE ANTENNA CABLES, SPEAKER CABLES, VIDEO CABLES, CONTROL CABLES, AND DATA CABLES, BY AT LEAST 24" IF THEY ARE RAN IN PARALLEL.
- SEPARATE MICROPHONE CABLES FROM LINE LEVEL CABLES BY AT LEAST 6", AND FROM OTHER AV CABLES, INCLUDING WIRELESS MICROPHONE ANTENNA CABLES, TV DISTRIBUTION CABLES, SPEAKER CABLES, VIDEO CABLES, CONTROL CABLES, AND DATA CABLES, BY AT LEAST BY 12" IF THEY ARE RAN IN PARALLEL.
- NO CHANGES SHALL BE MADE WITHOUT THE AV CONSULTANT'S WRITTEN CONSENT.
- COLORS OF ALL SOUND DEVICES THAT ARE EXPOSED, INCLUDING INPUT AND OUTPUT PLATES, VOLUME CONTROLS, SWITCHES, SPEAKERS, SPEAKER ENCLOSURES, SPEAKER MOUNTING HARDWARE, ETC. SHALL BE REVIEWED AND APPROVED BY OWNER PRIOR TO ORDERING.
- CABLE ROUTES SHOWN ON DRAWINGS DO NOT ACTUALLY REFLECT THE RACEWAYS. THE RACEWAYS SHALL BE DETERMINED IN THE FIELD.
- TO MEET OSHA REQUIREMENTS, PROJECTORS MUST BE MOUNTED AT LEAST 84" FROM THE FINISHED FLOOR TO THE BOTTOM OF THE PROJECTOR.
- REFER TO RISER DIAGRAMS AND EQUIPMENT LISTS FOR THE TYPES AND NUMBERS OF WIRES REQUIRED FOR EACH AV DEVICE.
- SUPPLY AND INSTALL ALL INTERCONNECTING CABLES BETWEEN THE FLOOR BOXES AND TABLETOP BOXES IN THE CONFERENCE ROOM. REFER TO THE PROJECT DRAWINGS FOR THE LOCATIONS OF THE FLOOR BOXES AND TABLETOP BOXES. COORDINATE THE CABLE INSTALLATIONS WITH THE TABLE SUPPLIER.

KEYED NOTES

- A1 PROVIDE A FLEXIBLE CONDUIT BETWEEN THE JUNCTION BOX AND THE SCREEN ENCLOSURE.
- A2 LOCATION OF ACCESSIBLE CEILING HATCH. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
- A3 DESKTOP BOXES SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY TABLE MANUFACTURER. ELECTRICAL CONTRACTOR RESPONSIBLE FOR FINAL ELECTRICAL CONNECTIONS. REFER TO EP101 FOR DETAILS.

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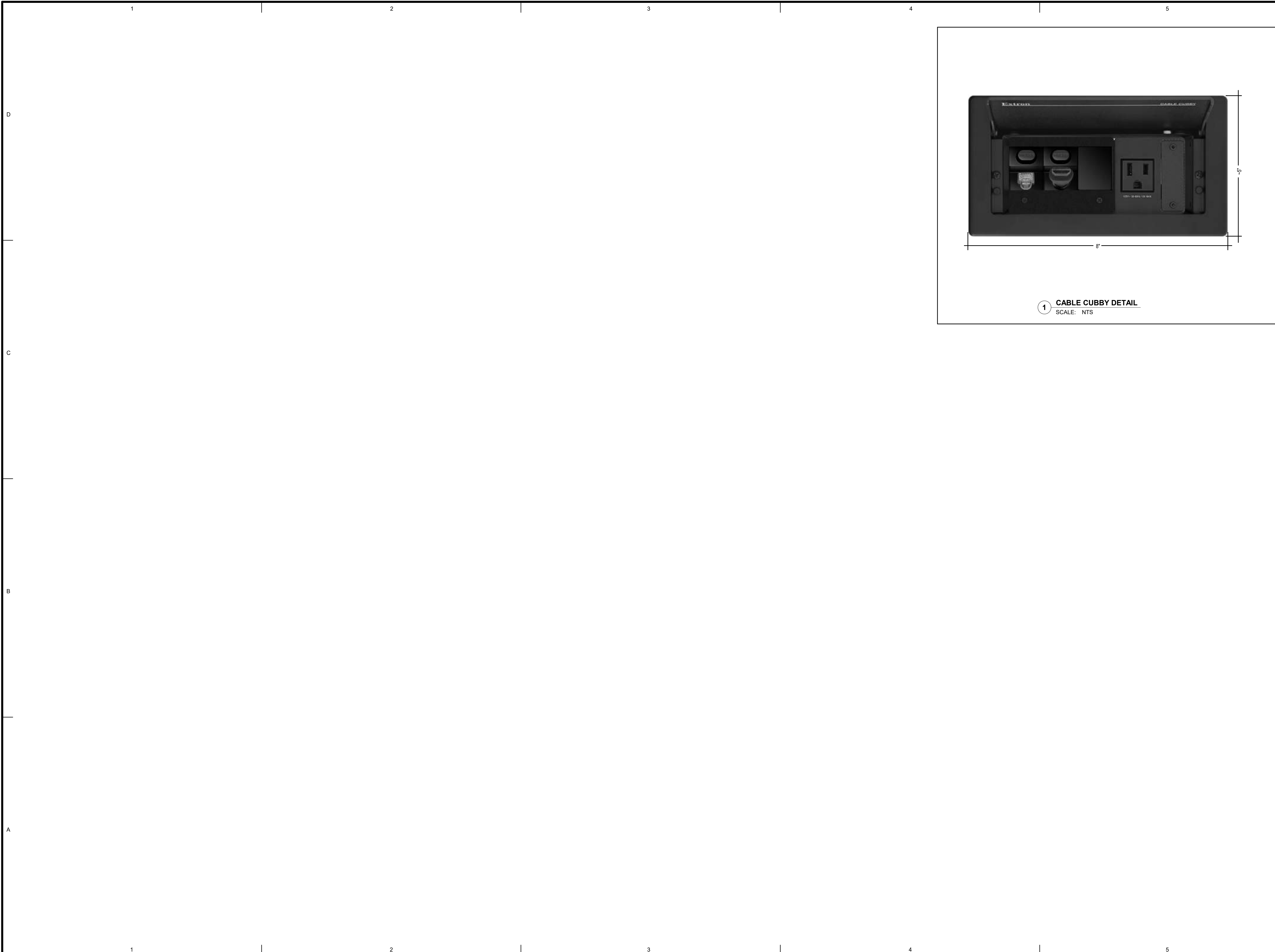
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**WMA OFFICE AV
PLANS**

SHEET NUMBER:


XE101



1 CABLE CUBBY DETAIL
SCALE: NTS

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 STATE OF UTAH
 2020-08-13


CODE OFFICIAL STAMP:

 DIVISION OF FACILITIES CONSTRUCTION & MGMT
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 CODE COMPLIANCE
 DATE: 06/14/2020

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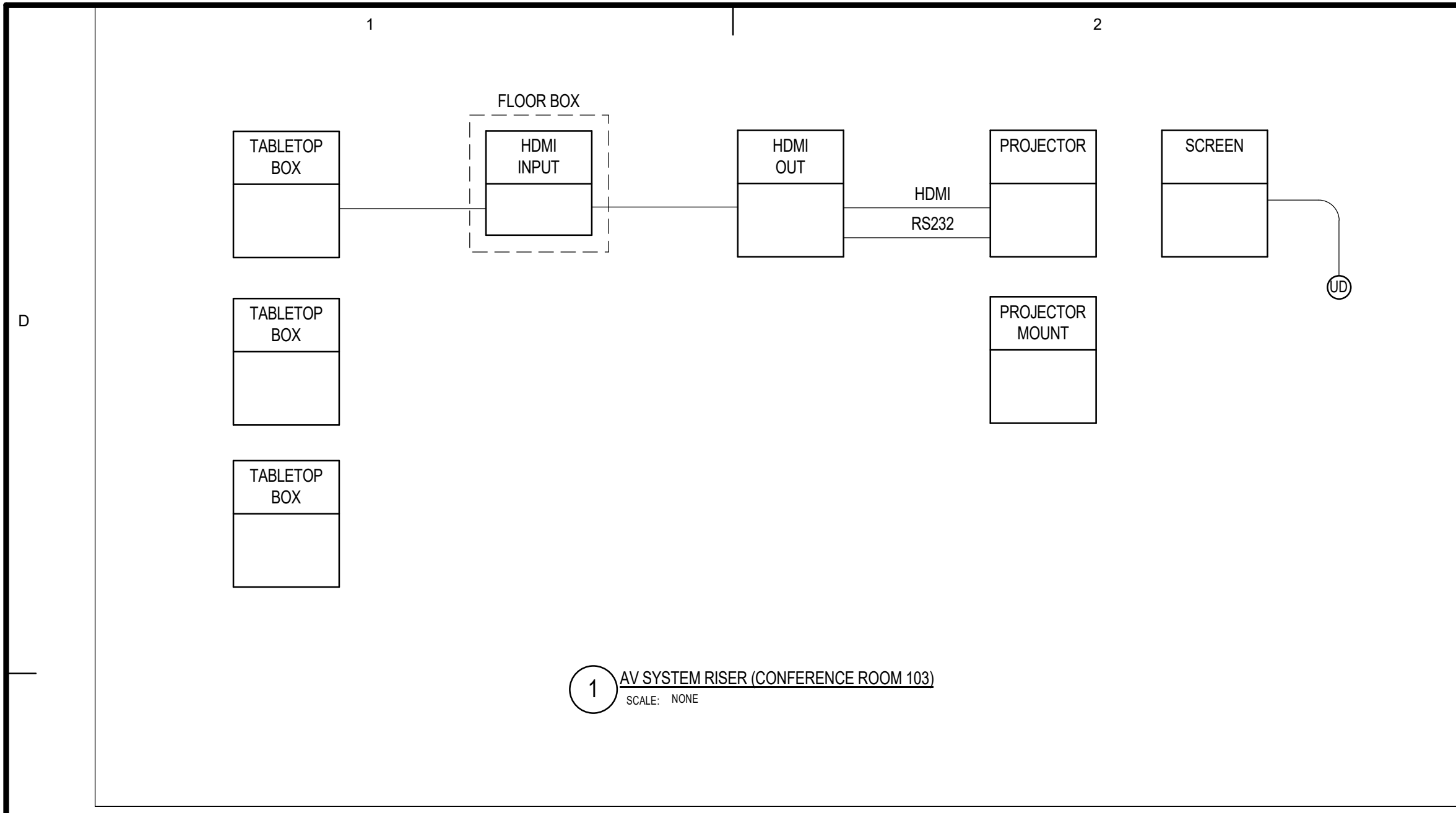
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**AUDIO VISUAL
 DETAILS**

SHEET NUMBER:
XE501



AV EQUIPMENT LIST (CONFERENCE ROOM 103)						
SYMBOL	DESCRIPTION	QTY	ROOM	SUPPLIER	MODEL	ROUGH-IN
□	HDMI INPUT IN FLOOR BOX BLACK	1	AR	CRESTRON	DM-TX-4K-100-C-1G	3" DEEP, 2-GANG BOX 3/4" C. TO ACCESSIBLE CEILING SPACE
□	HDMI OUTPUT BLACK	1	AR	CRESTRON	DM-RMC-4K-100-C-1G	3" DEEP, 2-GANG BOX 3/4" C. TO FLOOR BOX
≡	ELECTRICAL SCREEN W/ LOW VOLTAGE CONTROLLER TENSIONED COSMOPOLITAN 16.9, 65"X116", 12" BLACK DROP, HIGH CONTRAST DIA-MAT LOW VOLTAGE SWITCH	1		DA-LITE		
⊙	PROJECTOR 5.5K LUMENS LENS REMOTE CONTROL	1		PANASONIC	PT-AZ370 ET-ELT22/ET-ELT20	1-GANG BOX 3/4" C. TO JUNCTION BOX NEXT TO THE SCREEN ENCLOSURE
□	PROJECTOR MOUNT PIPE CEILING ADAPTER	1	AR	RPMB302		
		1	AR	CUSTOM		
		3	EXTRON	60-1999-02		
⊠	CABLE CUBBY 202 US	3	EXTRON	70-1065-03		
	RETRACTOR NETWORK CABLE	3	EXTRON	70-1043-02		
	CABLE CUBBY 202 RETRACTOR BRACKET	3	EXTRON	70-1065-04		
	RETRACTOR HDMI CABLE	1	EXTRON	70-1065-35		
	RETRACTOR FILLER MODULE	1	AR	EXTRON	70-1065-35	
	BLANK PLATE	1	AR	EXTRON	70-1065-35	
⊠	FLOOR BOX, SPECIFIED ON ELECTRICAL DRAWINGS	3				
⊙	JUNCTION BOX	1	CUSTOM			1-GAN BOX NEAR THE SCREEN ENCLOSURE

AR = AS REQUIRED

ARCHITECT'S INFORMATION:

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PROFESSIONAL STAMP:

CODE OFFICIAL STAMP:

PROJECT NAME:

**OGDEN BAY
WMA OFFICE BUILDING**

4786 S 7500 W, HOOPER, UT 84315

ISSUED:

NO.	DATE	DESCRIPTION
01	8/17/20	CONSTRUCTION BID SET

OWNER PROJECT #: 20419520
 SPE PROJECT #: 19-55
 DRAWN BY: TCH
 CHECKED BY: SH
 DESIGNED BY: TCH

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SHEET TITLE:
**AUDIO VISUAL
RISER AND
EQUIPMENT LIST**

SHEET NUMBER:
XE701