

PA#: 1601264
Date: 5/5/2025

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DIVISION OF OCCUPATIONAL & PROFESSIONAL LICENSES

DOPL

DPW 2021605 IDVS
CEMETERY PROJECTS: ADMINISTRATION BUILDING ADDITIONDPW PROJECT NO. 2021-605
BLACKFOOT, IDAHO

Plan Review Note
These plans have been reviewed for code compliance based on the submitted documents and plan sheets, and have been found, to be, substantially compliant, all other code compliance requirements shall be completed through field inspections, verifications, and approvals by the field building inspector.

See Plan Review notes: The plan review notes shall always be attached to the stamped approved plans and documents. These are part of the plans and shall be a permanent record with the plans. Inspection shall not take place without a complete set of the Idaho Division of Occupational and Professional Licenses (IDOPL) plan review notes and approved, stamped plans on site.

Construction Safeguards
Construction safeguards shall be required for any and all demolition and or construction to ensure public safety. Required exits, existing structural elements, fire protection devices and sanitary safeguards shall be maintained at all times during alterations, repairs or additions to any building or structure. All applicable construction safeguards from chapter 31 and 33 shall be in place and maintained while any demolition or construction activities are being undertaken.



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PROJECT:

REVISIONS

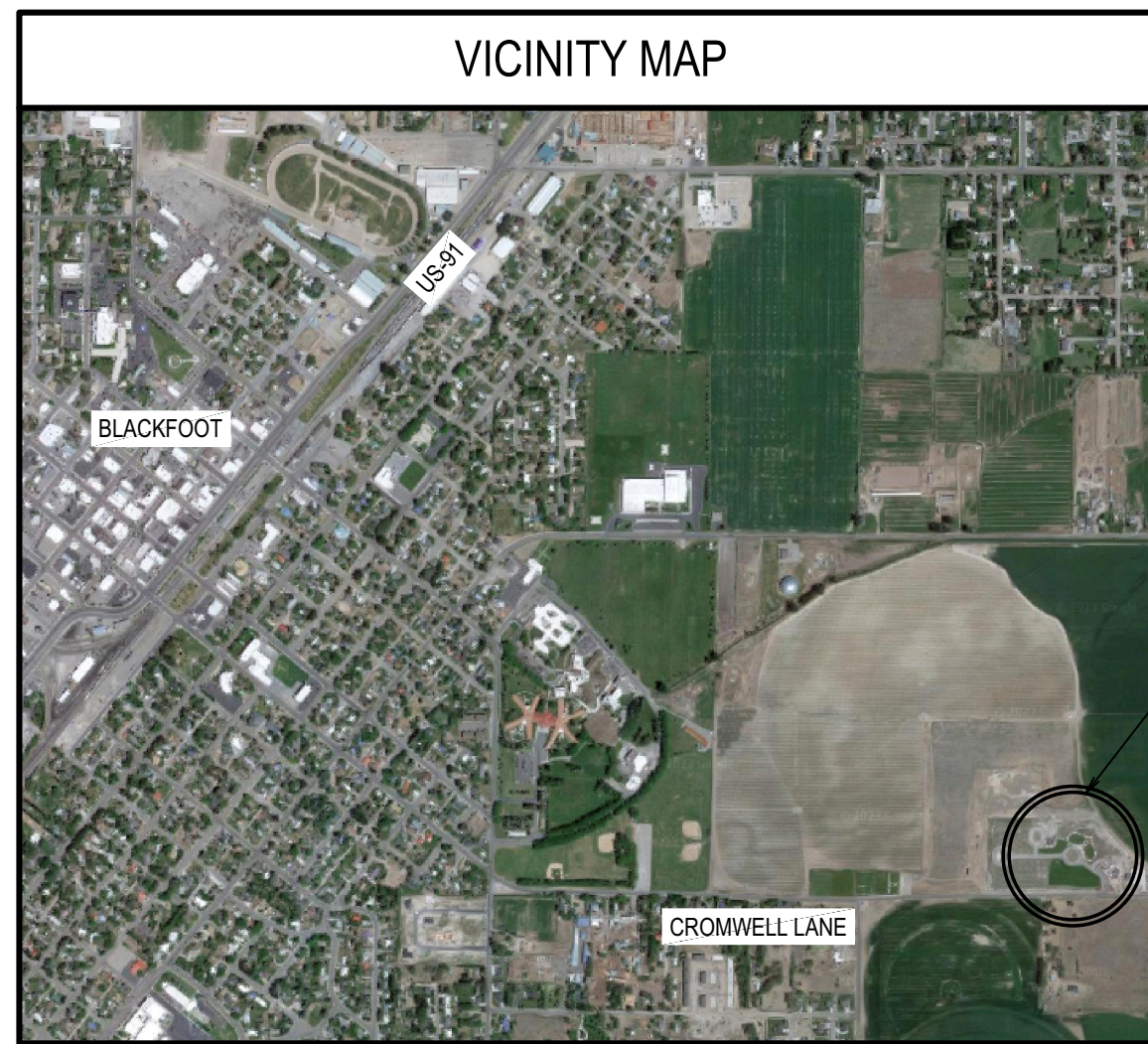
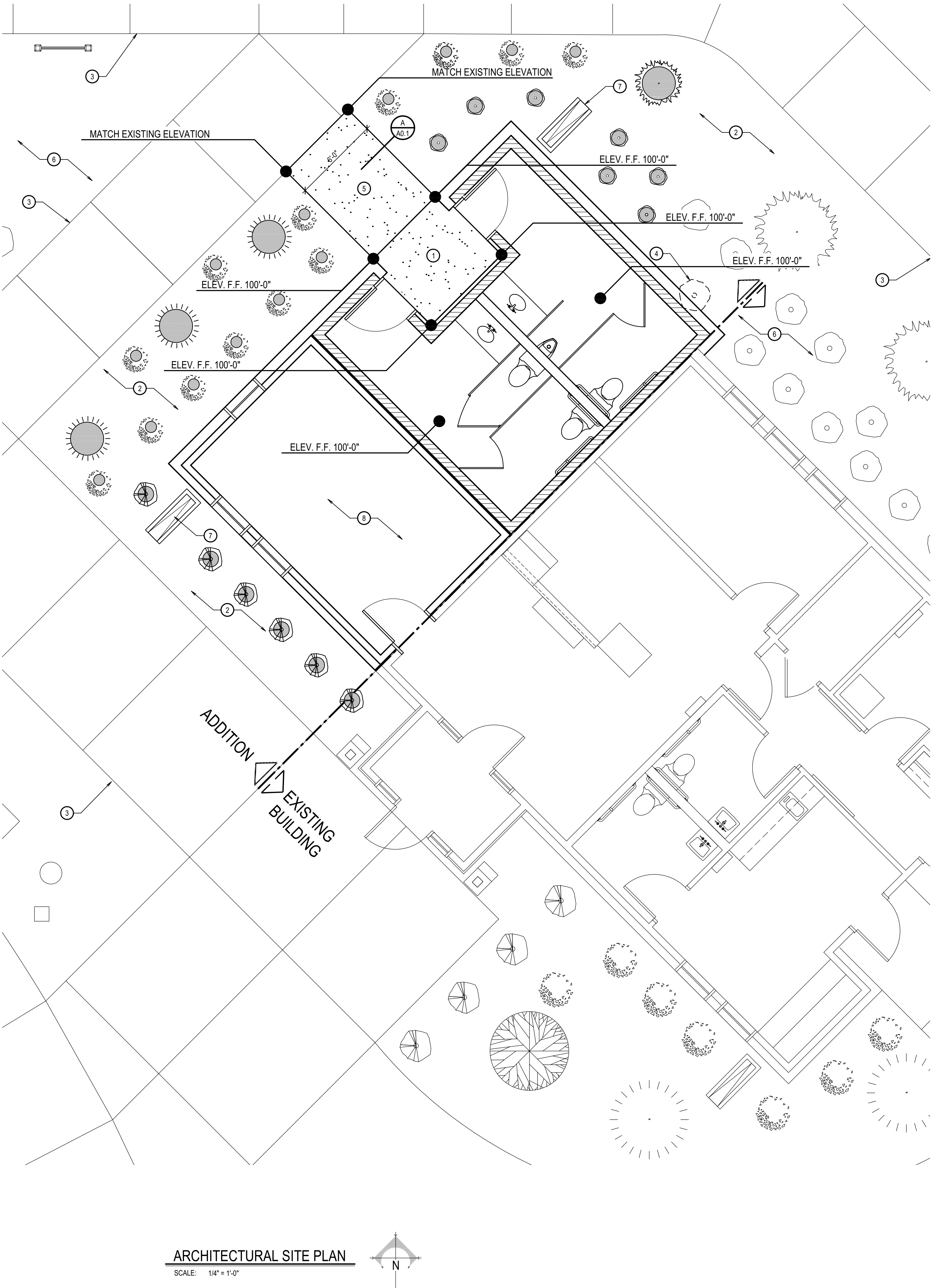
NO.	REVISION
1	DOPL REVIEW COMMENTS

NEW PROJECT NO.: 24015
DATE: JANUARY 2025
DRAWN BY: KP
CHECKED BY: NRH

DRAWING NO.:

A0.1

TITLE SHEET, INDEX, AND ARCHITECTURAL SITE PLAN



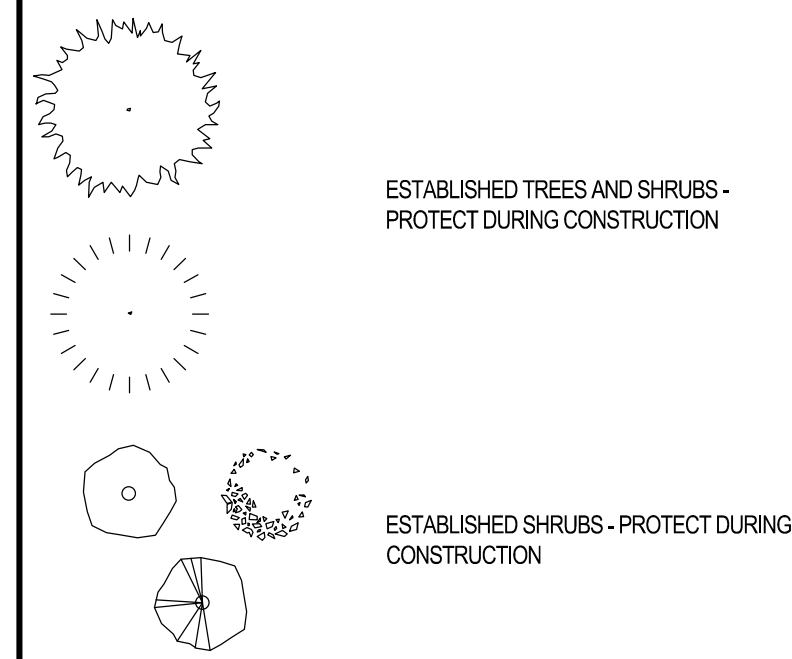
GENERAL SITE PLAN NOTES

1. WORK TO BE IN ACCORDANCE WITH ALL CODES AND ACCESSIBILITY REQUIREMENTS.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
3. CONTRACTOR SHALL REPLACE OR REPAIR ALL OWNER PROPERTY DAMAGED AS A RESULT OF NEW CONSTRUCTION.
4. THE DRAWING SET IS INTENDED AS A BASIS OF DESIGN. THE INFORMATION CONTAINED WITHIN IS INTENDED AS THE GENERAL CRITERIA FOR THE DESIGN.
5. ALL MAIN DOOR LANDINGS SHALL COMPLY WITH ADA REQUIREMENTS FOR SLOPE.
6. MATCH NEW FLOOR ELEVATION TO EXISTING FLOOR ELEVATION.
7. REFER TO PROJECT MANUAL DIVISION 32 FOR MORE INFORMATION.

SITE PLAN KEYNOTES

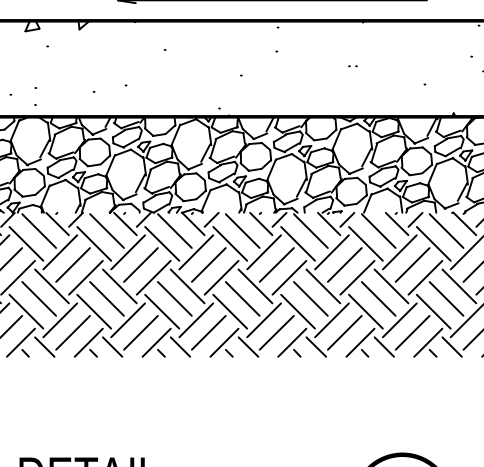
1. 4" CONCRETE APRON
2. REMOVE EXISTING MULCH AND STORE FOR RE-INSTALLATION. GRADE PERIMETER OF BUILDING CONSTRUCTION EXCAVATION TO PROVIDE A POSITIVE SLOPE FROM BUILDING TO EXISTING SIDEWALKS. AFTER COMPLETION OF CONSTRUCTION INSTALL NEW IRRIGATION SYSTEM TO EXTENT NEEDED TO SUPPORT NEW LANDSCAPE AND CONNECT TO EXISTING IRRIGATION SYSTEM. REPAIR EXISTING LANDSCAPE IRRIGATION AND LANDSCAPE AS NEEDED. INSTALL WEED BARRIER, MULCH, AND PLANTS/TREES TO MATCH ADJACENT LANDSCAPE.
3. EXISTING CONCRETE WALKWAY TO REMAIN. PROTECT DURING CONSTRUCTION.
4. REMOVE EXISTING SHRUB
5. NEW CONCRETE WALKWAY TO MATCH ADJACENT. APPROXIMATE SIZE: 6'-0" x 6'-0". CONTRACTOR TO FIELD VERIFY.
6. EXISTING LANDSCAPE. PROTECT DURING CONSTRUCTION.
7. CONCRETE SPLASH BLOCK. SEE DETAIL S14.0
8. REMOVE EXISTING MULCH FROM AREA OF NEW BUILDING FOOTPRINT AND STORE FOR RE-INSTALLATION AROUND THE PERIMETER OF THE NEW BUILDING.

SITE PLAN LEGEND



WIDTH - SEE ARCHITECTURAL SITE PLAN

1% TO 2%



DETAIL

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

SITE PLAN LEGEND CONTINUED

- NEW TREE: ADONDAK CRABAPPLE
MALUS 'ADONDAK'
- NEW TREE: BOSMAN PINE
PINUS LEUCODERMIS
- NEW SHRUB: BRIGHT FANTASY SNOWBERRY
SYMPHORICARPOS 'SNOWBRIGHT'
- NEW SHRUB: SPREADING YEW
TAXUS X MEDIA 'DENSIFORMIS'
- NEW SHRUB: GOLDFLAME SPIREA
SPIREA BURNALDA 'GOLDFLAME'

CODE ANALYSIS

BUILDING ADDRESS
2651 CROMWELL LANE, BLACKFOOT, ID 83221

GOVERNING CODES

BUILDING: 2018 ISC
ELECTRICAL: 2023 NEC
MECHANICAL: 2018 IMC
PLUMBING: 2017 ISPCCONSTRUCTION TYPE
TYPE V - B, NON-FIRE SPRINKLEDBUILDING OCCUPANCY GROUP
BEXIT ACCESS TRAVEL DISTANCE (WITHOUT SPRINKLER SYSTEM)
MAXIMUM PERMITTED LENGTH = 200 LF
ACTUAL LENGTH = 40 LF

BUILDING AREAS

MAIN LEVEL (EXISTING) 1,309 SQ. FT.
MAIN LEVEL (ADDITION) 666 SQ. FT.
TOTAL 1,975 SQ. FT.ALLOWABLE AREA CALCULATIONS
ALLOWABLE AREA OCCUPANCY GROUP B: 9,000 SQ. FT.
ACTUAL AREA: 1,975 SQ. FT.

OCCUPANT LOAD	AREA	FACTOR	OCC LOAD
MEN T.R.	182	150G	2
WOMEN T.R.	176	150G	2
DIRECTOR	264	150G	2
TOTAL	622		6

PLUMBING FIXTURE CALCULATIONS

WATER CLOSETS:	MALE	1:1-50	3	1	1
	FEMALE	1:1-15	3	1	2
URINALS:	MALE	1:1-100	3	1	1
LAVATORIES:	MALE	1:1-75	3	1	1
	FEMALE	1:1-50	3	1	1

NOTES:

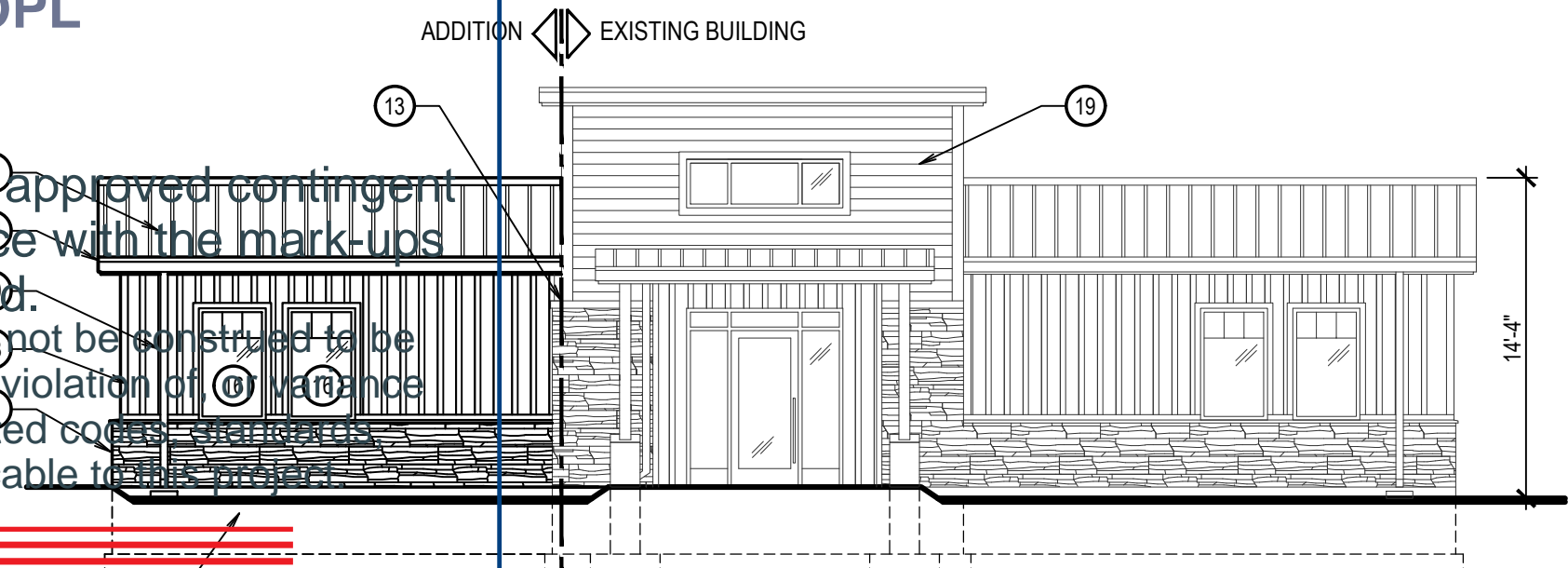
1. BASE: 4 INCH COMPACTED DEPTH OF 3/4" AGGREGATE BASE. COMPACTED TO 95% OF STANDARD PROCTOR.
2. WHERE SIDEWALK IS PLACED AGAINST BUILDING FOUNDATION PLACE 1/2" EXPANSION JOINT MATERIAL ADJACENT TO FOUNDATION.
3. CONTINUOUS PLACEMENT. PREFERRED. SCORE INTERVALS 5-FEET MAXIMUM SPACING.
4. COMPACTED NATIVE MATERIAL TO 95% OF STANDARD PROCTOR TO ONE FOOT DEPTH.

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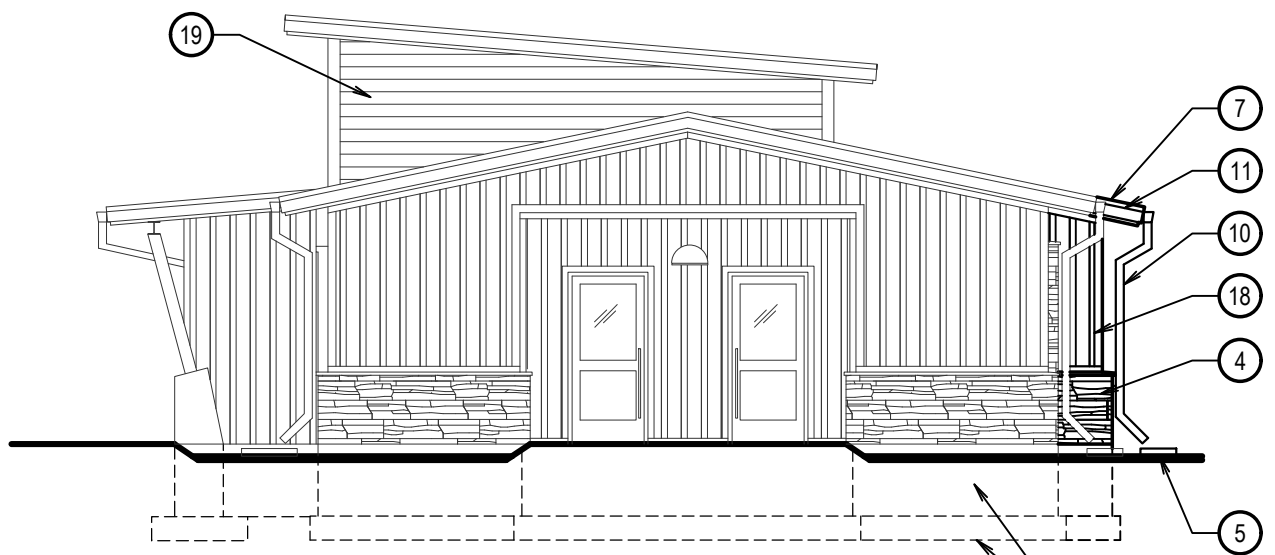
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DOPL



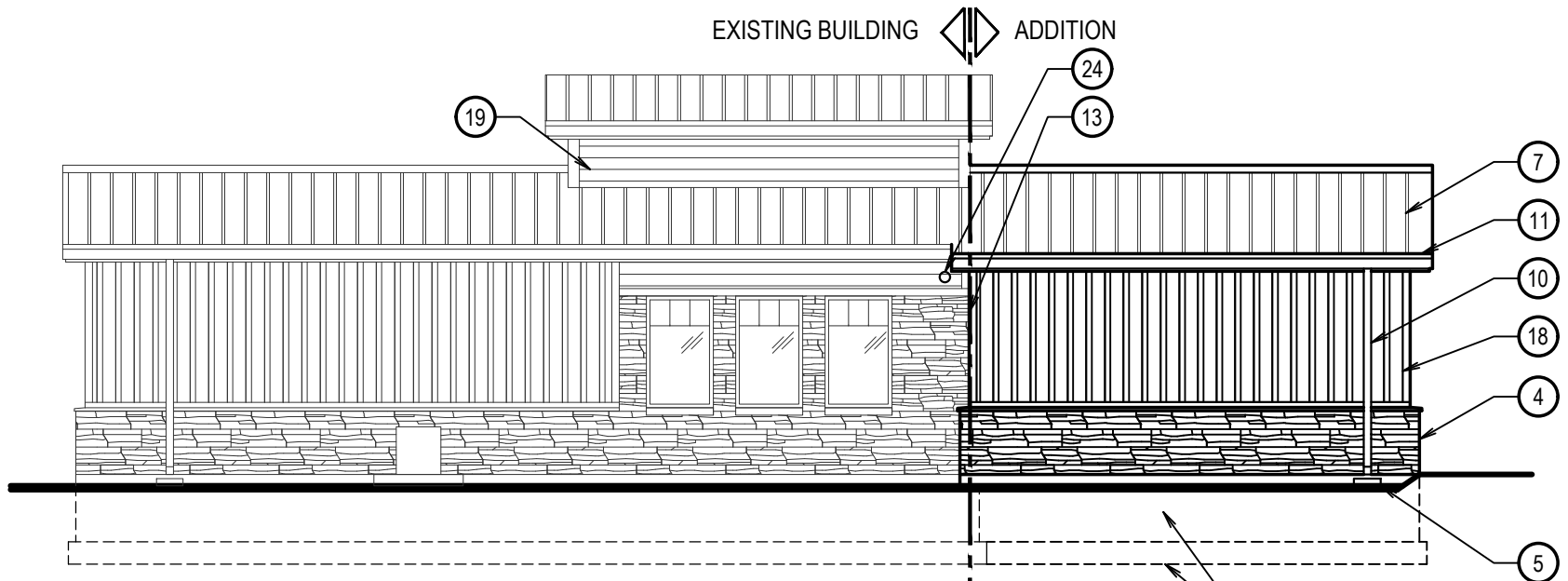
SOUTH ELEVATION

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



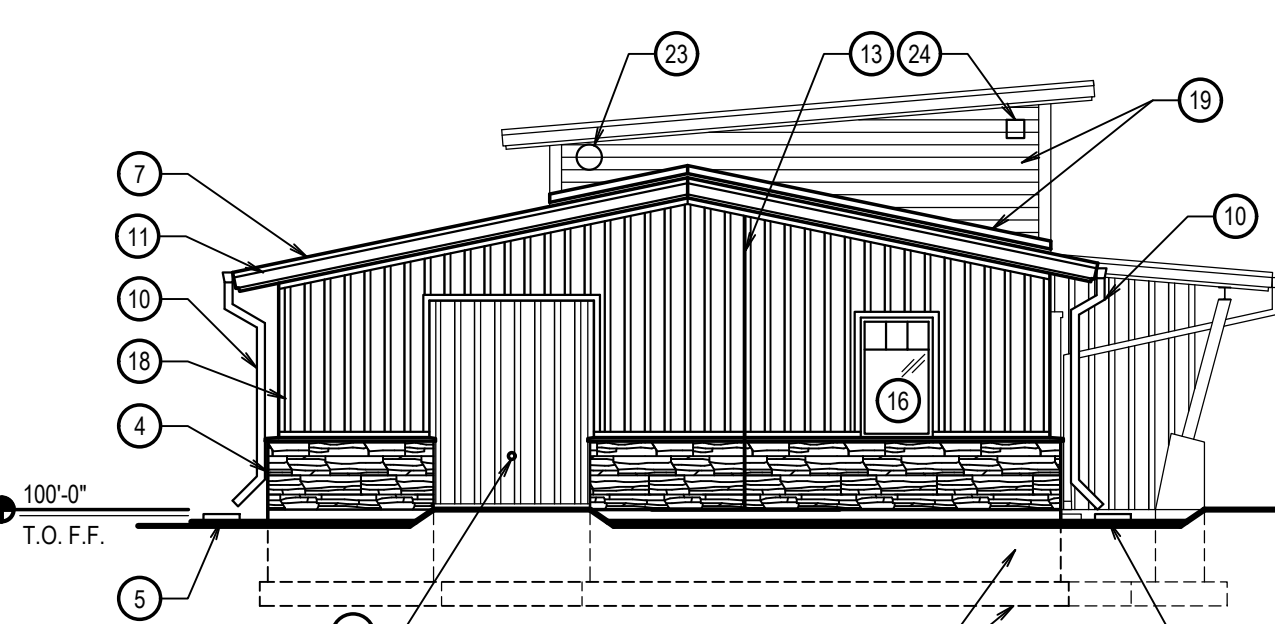
EAST ELEVATION

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



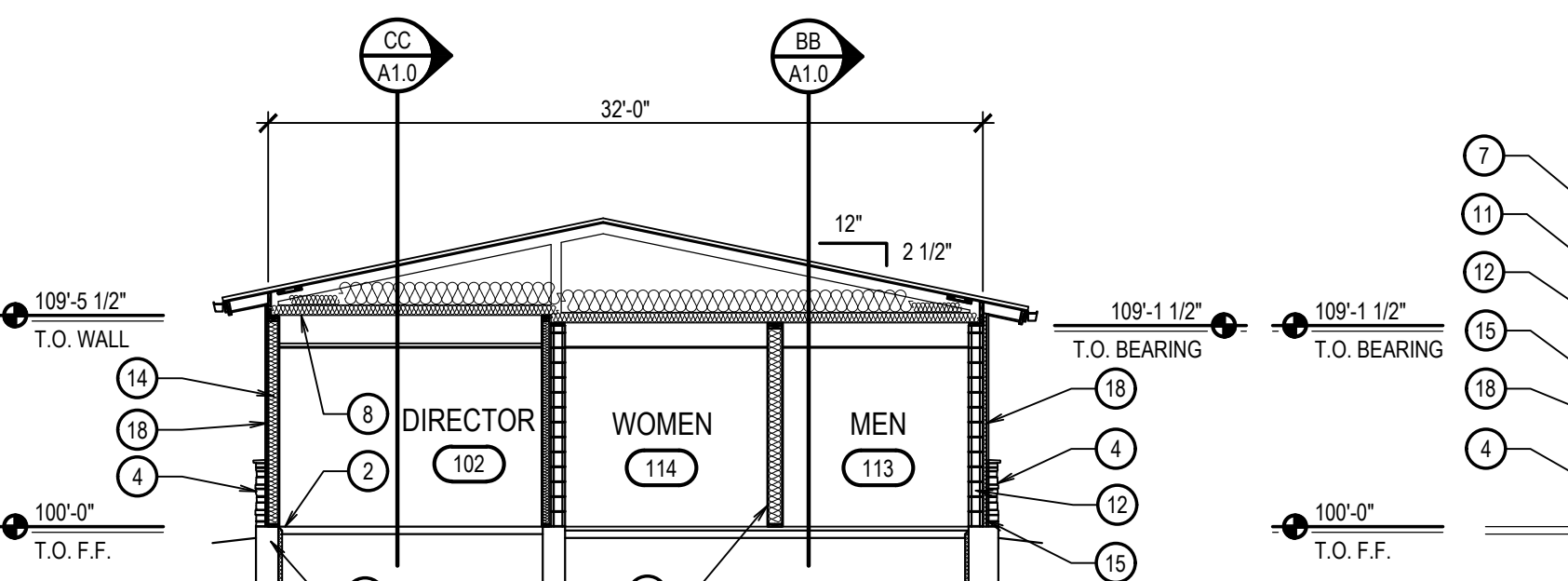
NORTH ELEVATION

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



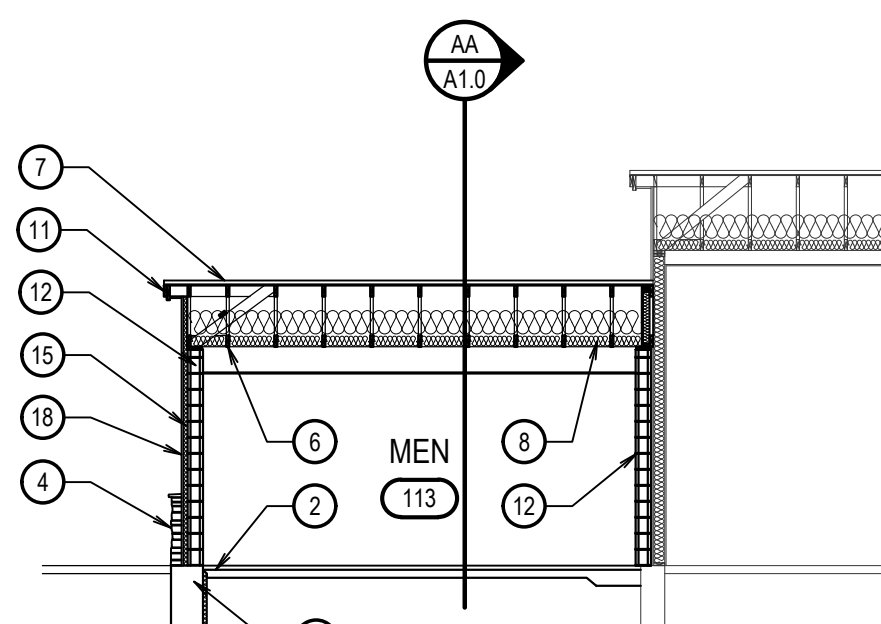
WEST ELEVATION

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



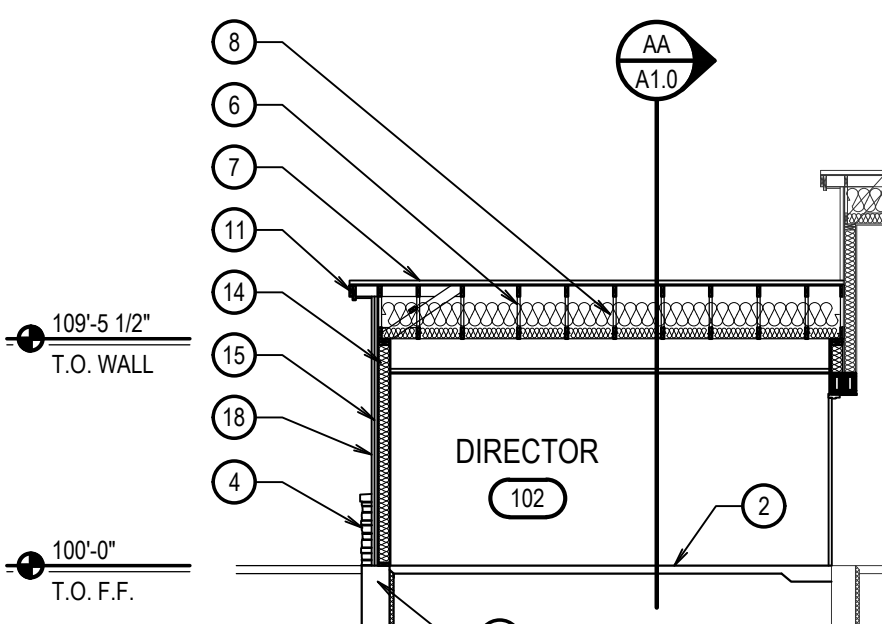
SECTION

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



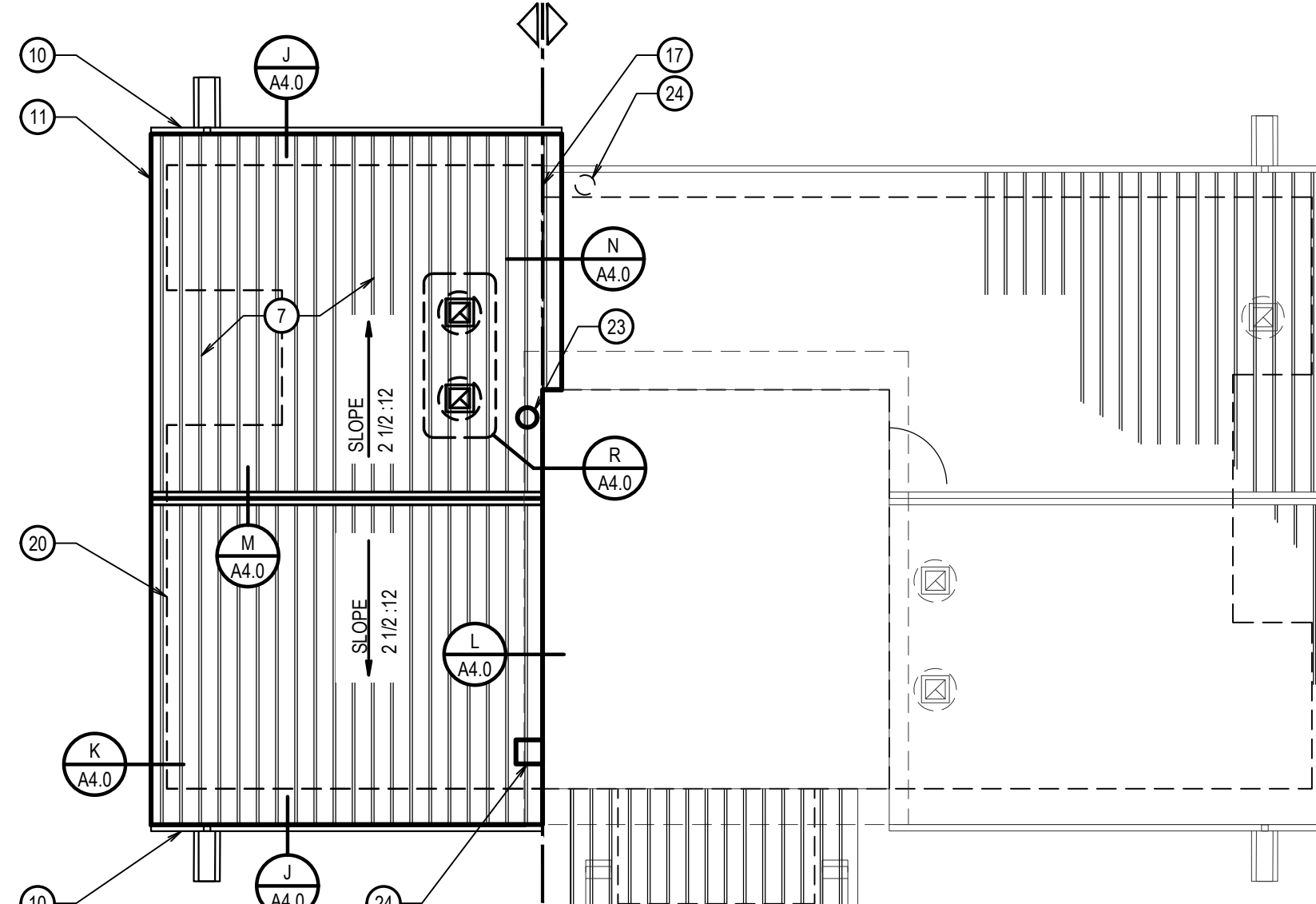
PARTIAL SECTION

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



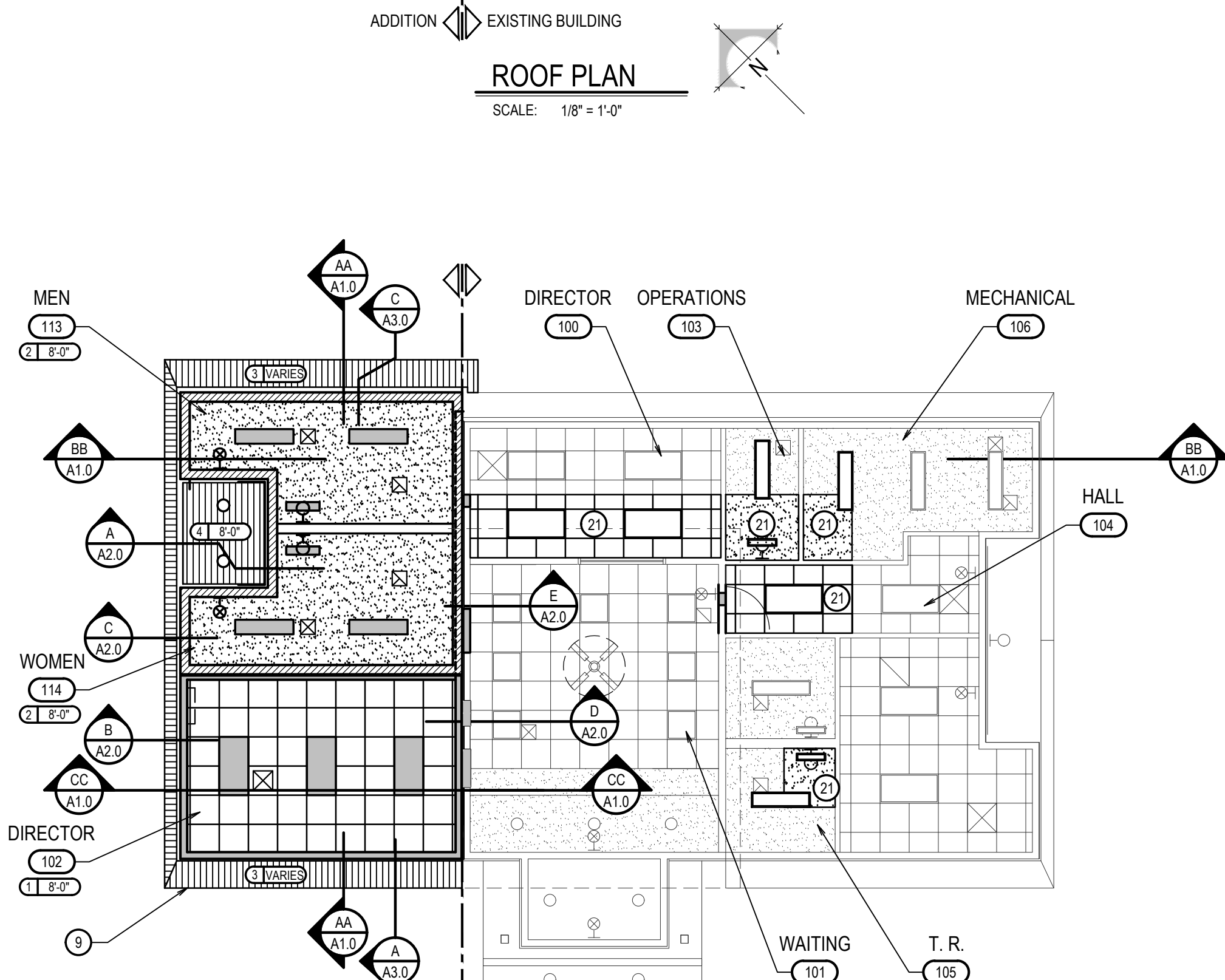
PARTIAL SECTION

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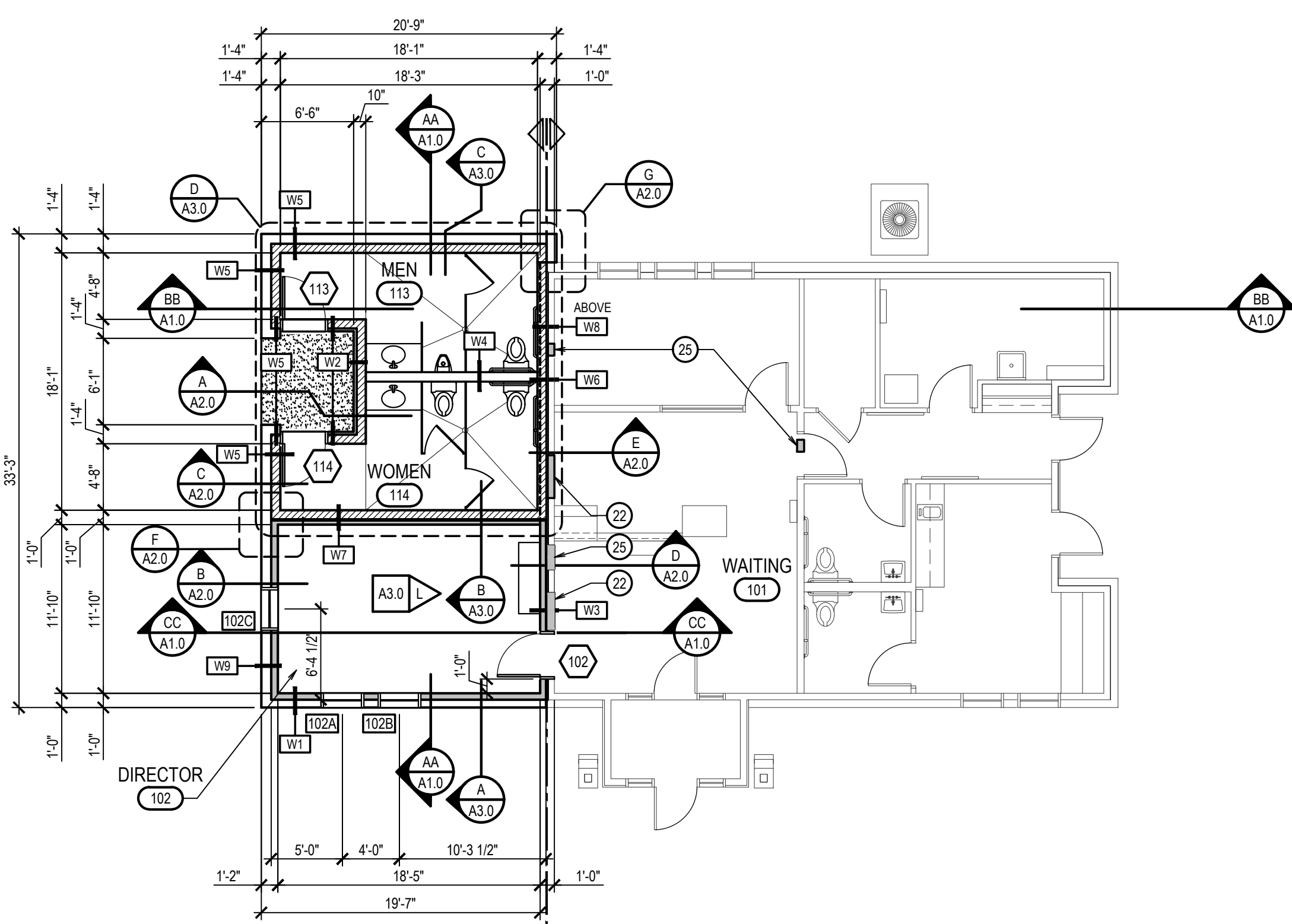
ROOF PLAN

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



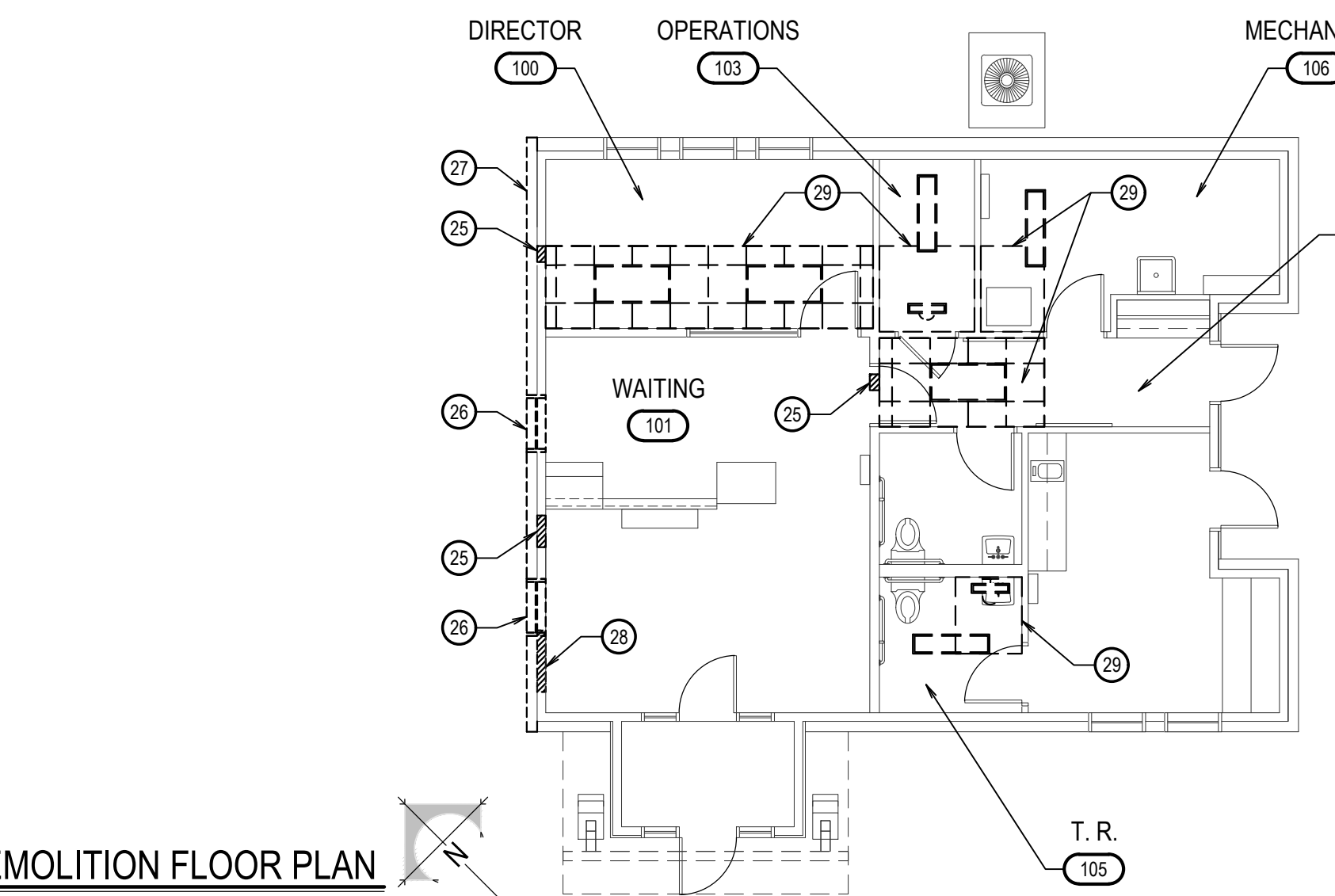
REFLECTED CEILING PLAN

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



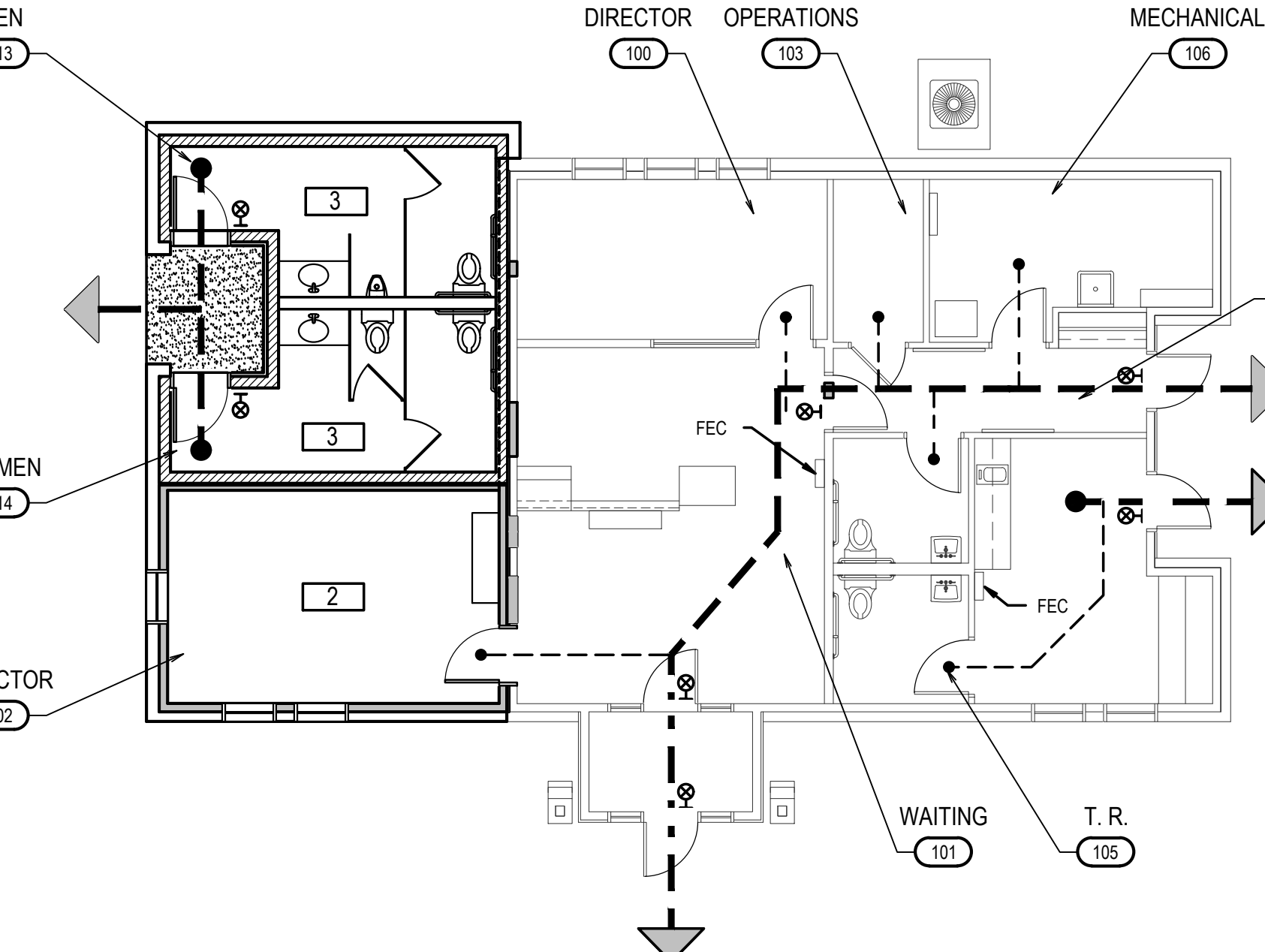
FLOOR PLAN

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



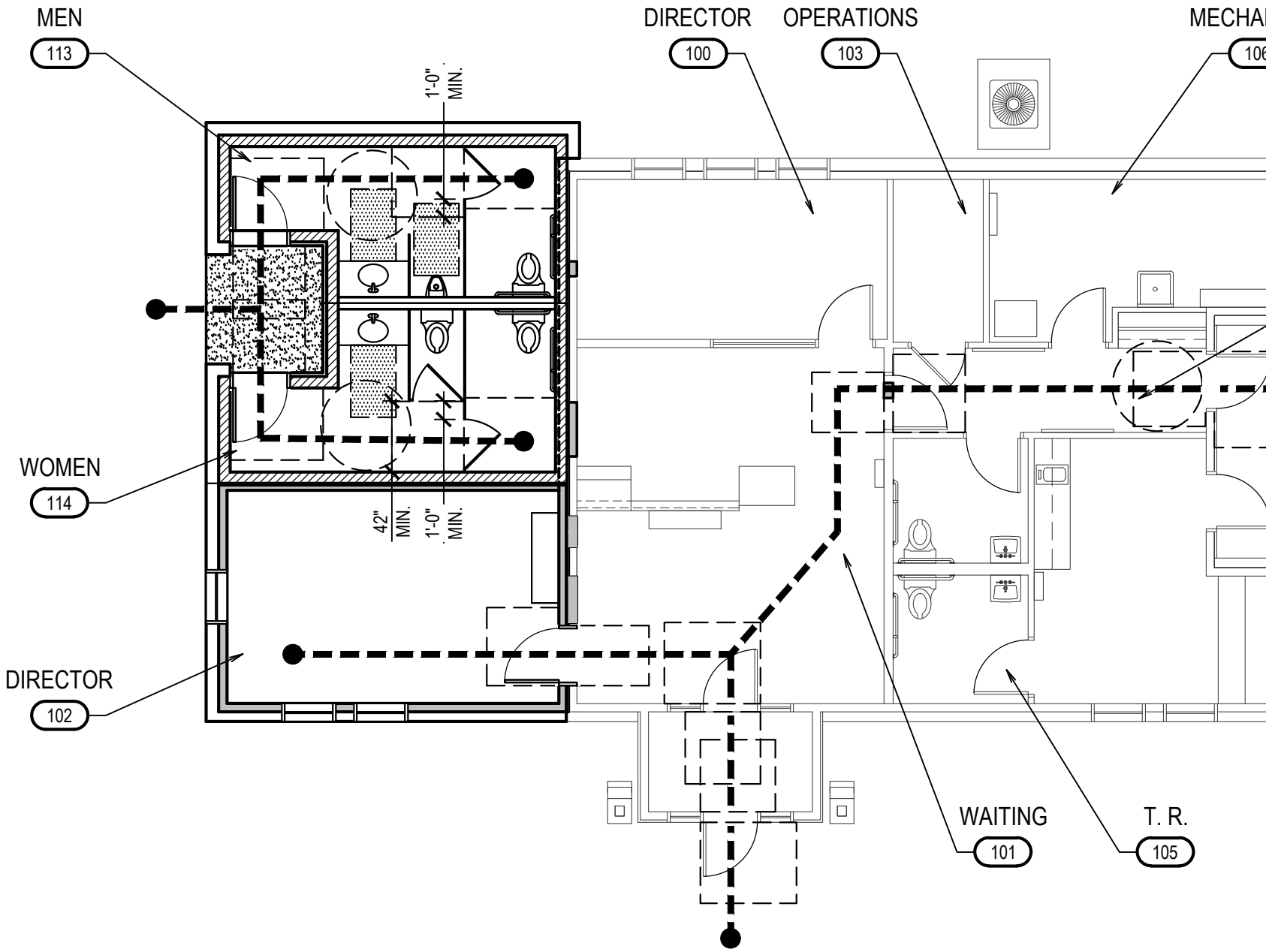
DEMOLITION FLOOR PLAN

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



FIRE EGRESS PLAN

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



ACCESSIBLE ROUTE PLAN

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

WALL TYPES			
TYPE	DESCRIPTION	TYPE	DESCRIPTION
W1	2 x 6 WOOD FRAMING AT 16" ON CENTER R-21 BATT INSULATION BETWEEN STUDS VAPOR BARRIER AND 5/8" GYPSUM BOARD ROOM SIDE 1/2" PLYWOOD SHEATHING W/ AIR INFILTRATION BARRIER (2) LAYERS OF WATER RESISTIVE BARRIER AND WIRE MESH ON EXTERIOR SIDE AT STONE VENEER AT BASE AND METAL SIDING ABOVE BASE ON EXTERIOR SIDE	W2	8" CMU WITH FLUID APPLIED VAPOR BARRIER ON T.R. SIDE 1" AIR GAP 1/2" PLYWOOD SHEATHING 2 x 6 WOOD FRAMING AT 16" ON CENTER - EXISTING R-15 BATT INSULATION BETWEEN STUDS - EXISTING 5/8" GYPSUM BOARD - EXISTING
W2	8" CMU WITH FLUID APPLIED VAPOR BARRIER ON ROOM SIDE AIR INFILTRATION BARRIER METAL SIDING OVER 2" RIGID INSULATION ON EXTERIOR SIDE	W3	8" CMU WITH FLUID APPLIED VAPOR BARRIER ON T.R. SIDE 1" AIR GAP 2 x 4 WOOD FRAMING AT 16" ON CENTER R-15 BATT INSULATION BETWEEN STUDS 5/8" GYPSUM BOARD
W3	2 x 6 WOOD FRAMING AT 16" ON CENTER R-21 BATT INSULATION BETWEEN STUDS VAPOR BARRIER AND 5/8" GYPSUM BOARD 1" AIR GAP 2 x 6 WOOD FRAMING AT 16" ON CENTER - EXISTING R-21 BATT INSULATION BETWEEN STUDS - EXISTING 5/8" GYPSUM BOARD - EXISTING	W4	2 x 4 WOOD FRAMING AT 16" ON CENTER R-15 BATT INSULATION BETWEEN STUDS 5/8" GYPSUM BOARD ON BOTH SIDES FINISHES AS SCHEDULED (SOUND BARRIER)
W4	2 x 8 WOOD FRAMING AT 16" ON CENTER R-15 BATT INSULATION BETWEEN STUDS 5/8" GYPSUM BOARD BOTH SIDES FINISHES AS SCHEDULED	W5	2 x 6 WOOD FRAMING AT 16" ON CENTER R-21 BATT INSULATION BETWEEN STUDS VAPOR BARRIER AND 5/8" GYPSUM BOARD ROOM SIDE 1/2" PLYWOOD SHEATHING W/ AIR INFILTRATION BARRIER 1 1/2" RIGID INSULATION (2) LAYERS OF WATER RESISTIVE BARRIER AND WIRE MESH ON EXTERIOR SIDE AT STONE VENEER AT BASE AND METAL SIDING ABOVE BASE ON EXTERIOR SIDE
W5	8" CMU WITH FLUID APPLIED VAPOR BARRIER ON ROOM SIDE AIR INFILTRATION BARRIER EXTERIOR SIDE 2" RIGID INSULATION (2) LAYERS OF WATER RESISTIVE BARRIER AND WIRE MESH ON EXTERIOR SIDE AT STONE VENEER AT BASE AND METAL SIDING ABOVE BASE ON EXTERIOR SIDE		

GENERAL NOTES

- NEW OPENINGS IN EXISTING WALLS AS A RESULT OF NEW MECHANICAL, PLUMBING AND ELECTRICAL WORK ARE SHOWN FOR REFERENCE ONLY. THE EXTENT OF THE ACTUAL WORK REQUIRED TO INSTALL ALL NEW MECHANICAL, PLUMBING AND ELECTRICAL WORK IS NOT LIMITED TO WORK SHOWN IN ARCHITECTURAL DEMOLITION PLAN. CONTRACTOR TO VERIFY SCOPE OF WORK WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. CONTRACTOR TO FIELD VERIFY EXISTING FIELD CONDITIONS AND ADJUST SCOPE OF WORK ACCORDINGLY.
- EXTERIOR DIMENSIONS ARE TO FACE OF CONCRETE FOUNDATION.

KEYNOTES

- CONCRETE FOUNDATION AND FOOTINGS
- CONCRETE SLAB
- HOSE BIB, SEE PLUMBING PLANS.
- FULL BED DEPTH STONE WITH STONE SILL TO MATCH EXISTING
- CONCRETE SPLASH BLOCK, MATCH EXISTING.
- WOOD TRUSS
- STANDING SEAM METAL ROOF OVER ROOF SHEATHING TO MATCH EXISTING
- BATT INSULATION
- PRE-FINISHED METAL SOFFIT TO MATCH EXISTING
- METAL GUTTER, DOWNSPOUT, AND CONCRETE SPLASH BLOCK TO MATCH EXISTING. SEE DETAIL Q/A4.0
- PRE-FINISHED METAL FASCIA TO MATCH EXISTING
- CONCRETE MASONRY UNIT
- EXPANSION JOINT
- WOOD STUD WALL WITH BATT INSULATION, SEE WALL TYPES
- RIGID INSULATION
- NEW METAL CLAD WOOD WINDOWS TO MATCH EXISTING
- AREA OF EXISTING ROOF TO BE DEMOLISHED
- METAL SIDING TO MATCH EXISTING
- EXISTING STAINED WOOD SIDING, PATCH AND REPAIR AS REQUIRED
- OUTLINE OF BUILDING BELOW
- PATCH AND REPAIR EXISTING CEILING AS REQUIRED BY MECHANICAL WORK, SEE MECHANICAL PLANS. RE-INSTALL EXISTING LIGHT FIXTURES.
- INFILL WINDOW OPENING WITH WOOD STUDS, BATT INSULATION, PLYWOOD SHEATHING, AND GYPSUM BOARD TO MATCH ADJACENT WALL CONSTRUCTION
- IF NECESSARY, CONTRACTOR TO MOVE EXISTING SATELLITE DISH TO NEW LOCATION. PER OWNER PRIOR TO START OF CONSTRUCTION. PROTECT SATELLITE DISH DURING CONSTRUCTION.
- EXISTING CAMERA AND LIGHT FIXTURE. PROTECT DURING CONSTRUCTION.
- INSTALL NEW WALL PENETRATION IN EXISTING WALL TO ACCOMMODATE NEW MECHANICAL DUCTS AND TRANSFER GRILLES. SEE MECHANICAL DRAWINGS. PATCH AND REPAIR EXISTING WALL FINISHES.
- REMOVE EXISTING WINDOW. INFILL OPENING WITH 2 x 6 WOOD STUDS, WALL SHEATHING, BATT INSULATION AND GYPSUM BOARD TO MATCH SURROUNDING CONSTRUCTION. PATCH AND REPAIR EXISTING ADJACENT FINISHES AS REQUIRED.
- REMOVE STONE VENEER WAINSCOT, SILLS, WIRE MESH AND WATER RESISTIVE BARRIERS COMPLETE. PARTIALLY REMOVE WOOD SIDING TO ACCOMMODATE NEW CONSTRUCTION.
- INSTALL NEW DOOR OPENING
- CONTRACTOR TO TEMPORARILY REMOVE CEILINGS AND LIGHT FIXTURES AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, PLUMBING, ELECTRICAL EQUIPMENT. STORE AND PROTECT LIGHT FIXTURES AND CEILING DURING CONSTRUCTION. CONTRACTOR TO RE-INSTALL EXISTING CEILING OR AND PATCH AND REPAIR EXISTING CEILING AND LIGHT FIXTURES AFTER COMPLETION OF M/PIE WORK.

LEGEND

- ESCAPE ROUTE
- FIRE EXIT
- FEC-FIRE EXTINGUISHER CABINET/ FE-FIRE EXTINGUISHER
- ACCESSIBLE ROUTE (MIN 36" CLEAR WIDTH)
- 2'-6" x 4'-0" REQUIRED CLEAR FLOOR SPACE
- OCCUPANT LOAD
- LIGHT FIXTURES
- 24" x 24" LAY-IN CEILING PANELS, SEE DETAIL H/A2.0
- SUSPENDED GYPSUM BOARD CEILING EPOXY PAINT.
- PRE-FINISHED METAL SOFFIT, PERFORATED, HALF VENTED
- PRE-FINISHED METAL SOFFIT, SOLID
- EXHAUST FAN
- CEILING DIFFUSER



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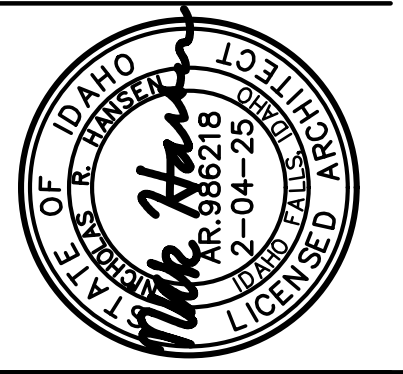
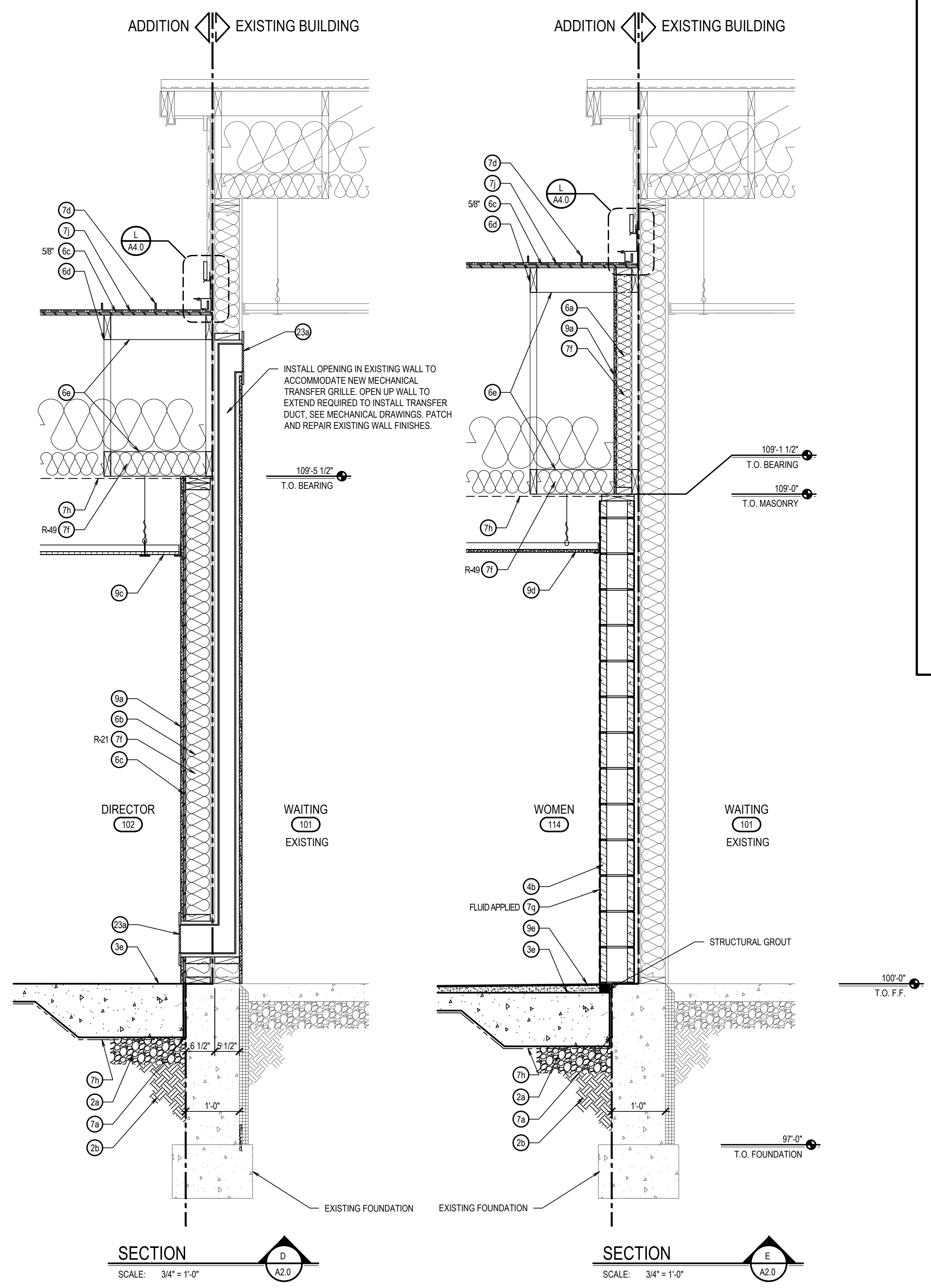
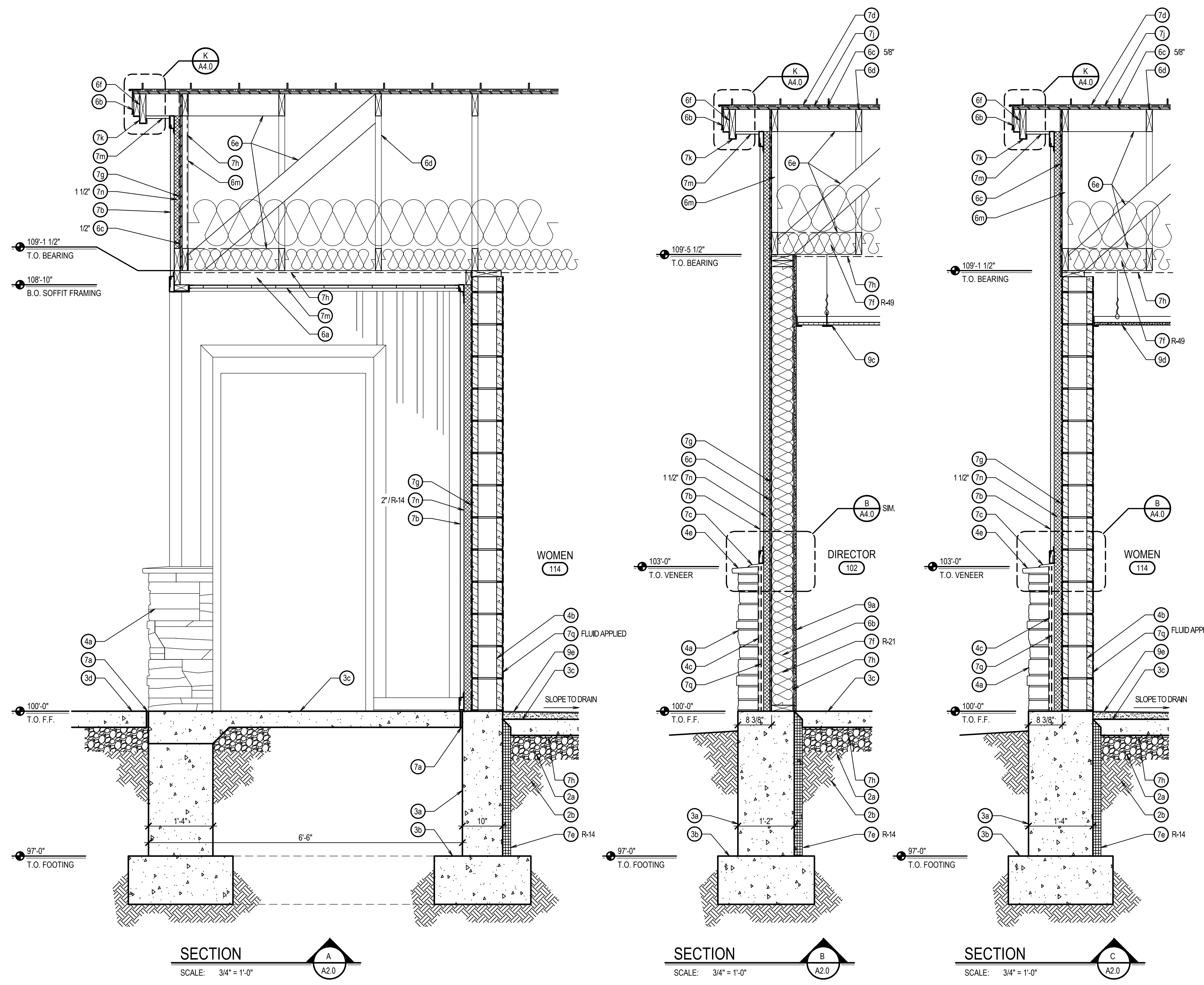
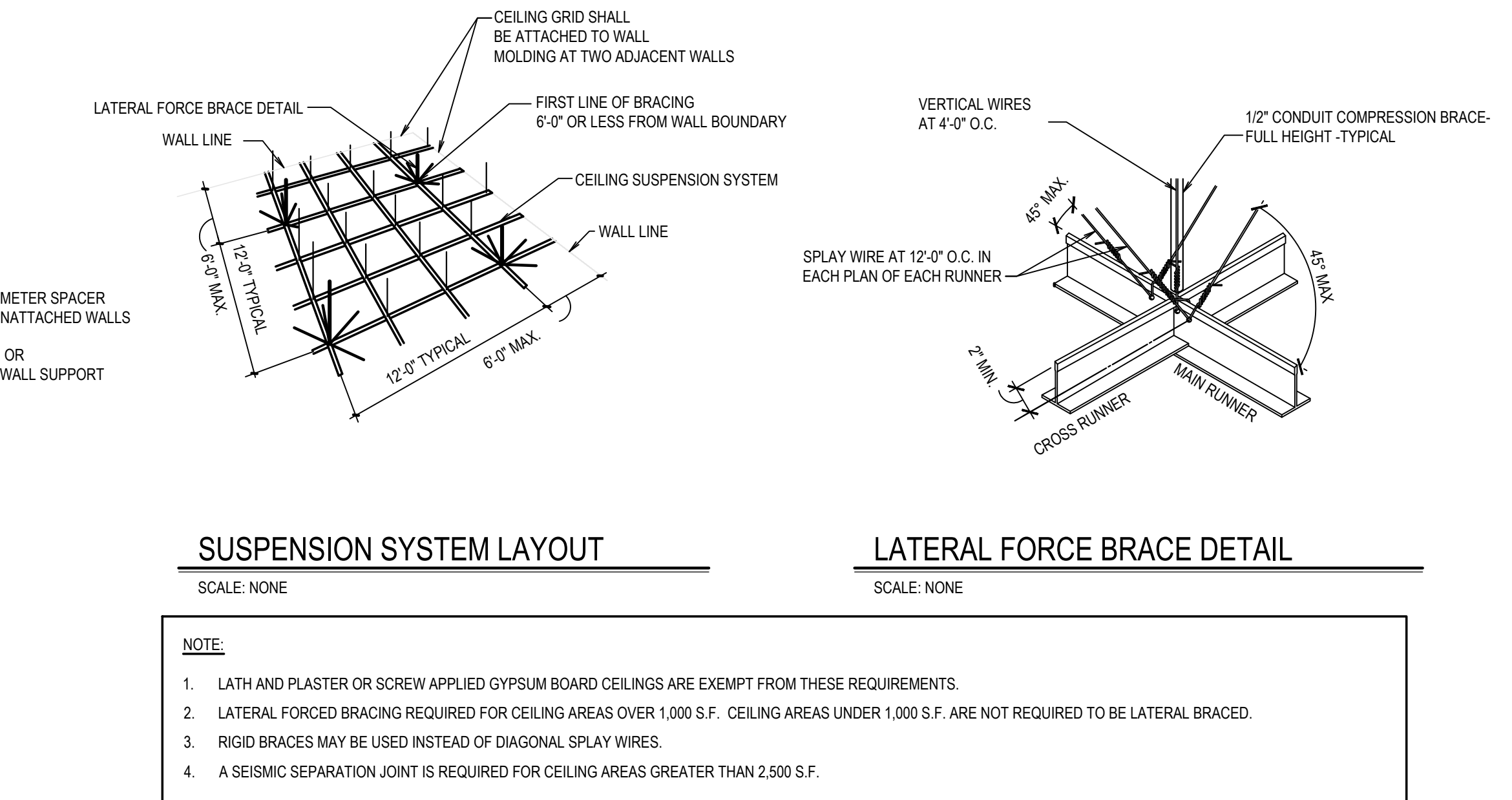
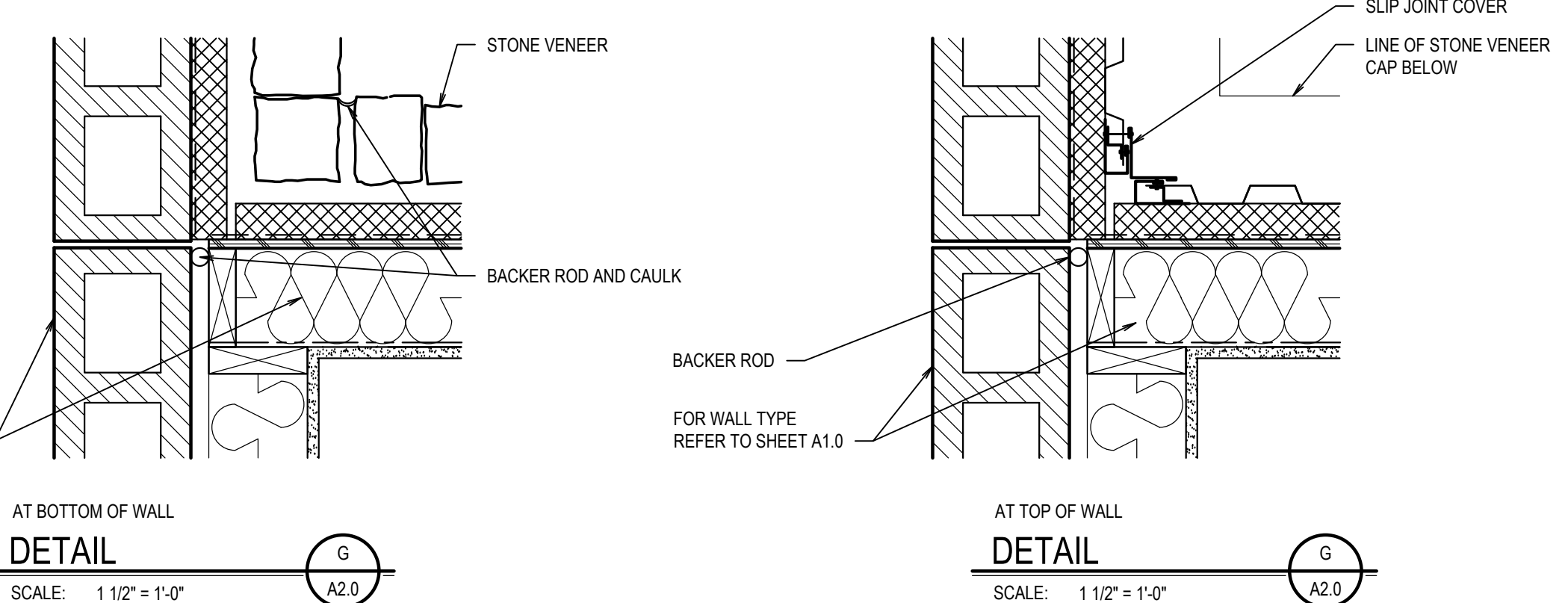
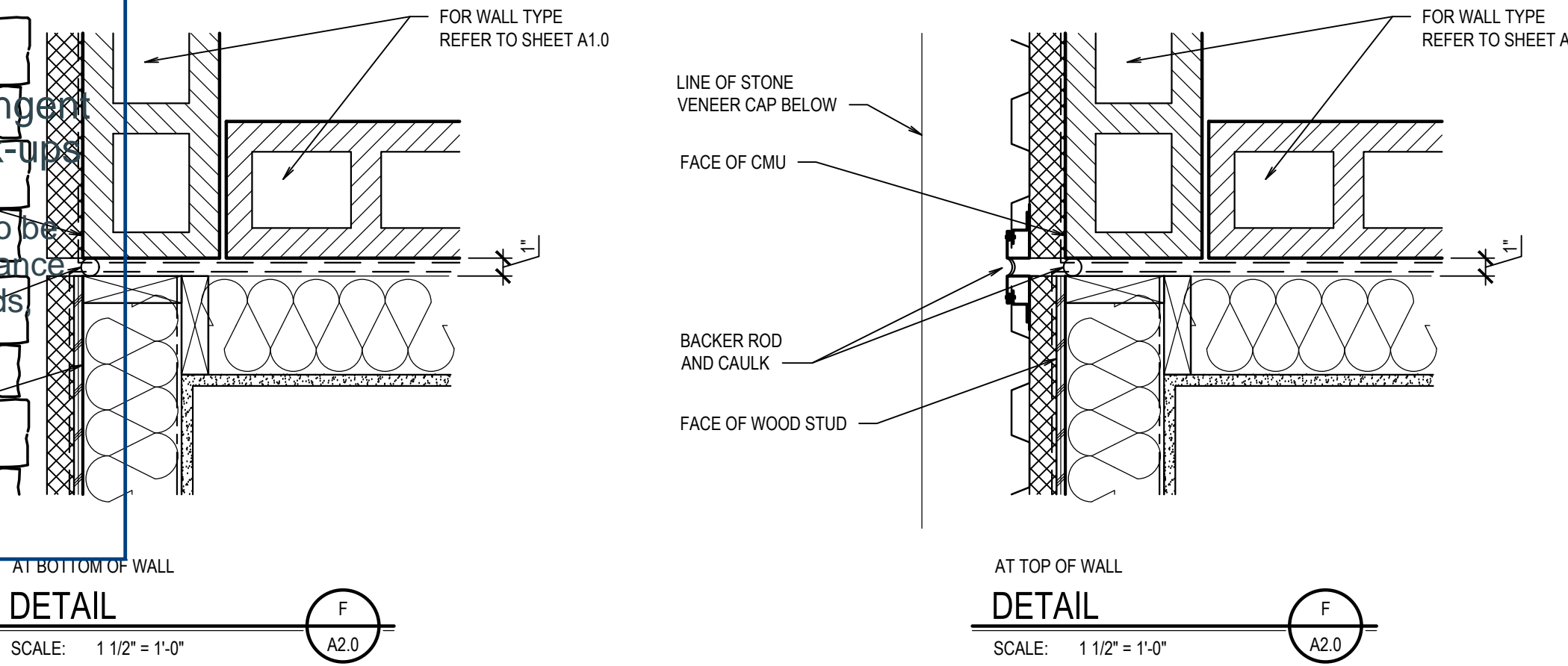
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NO.	DESCRIPTION

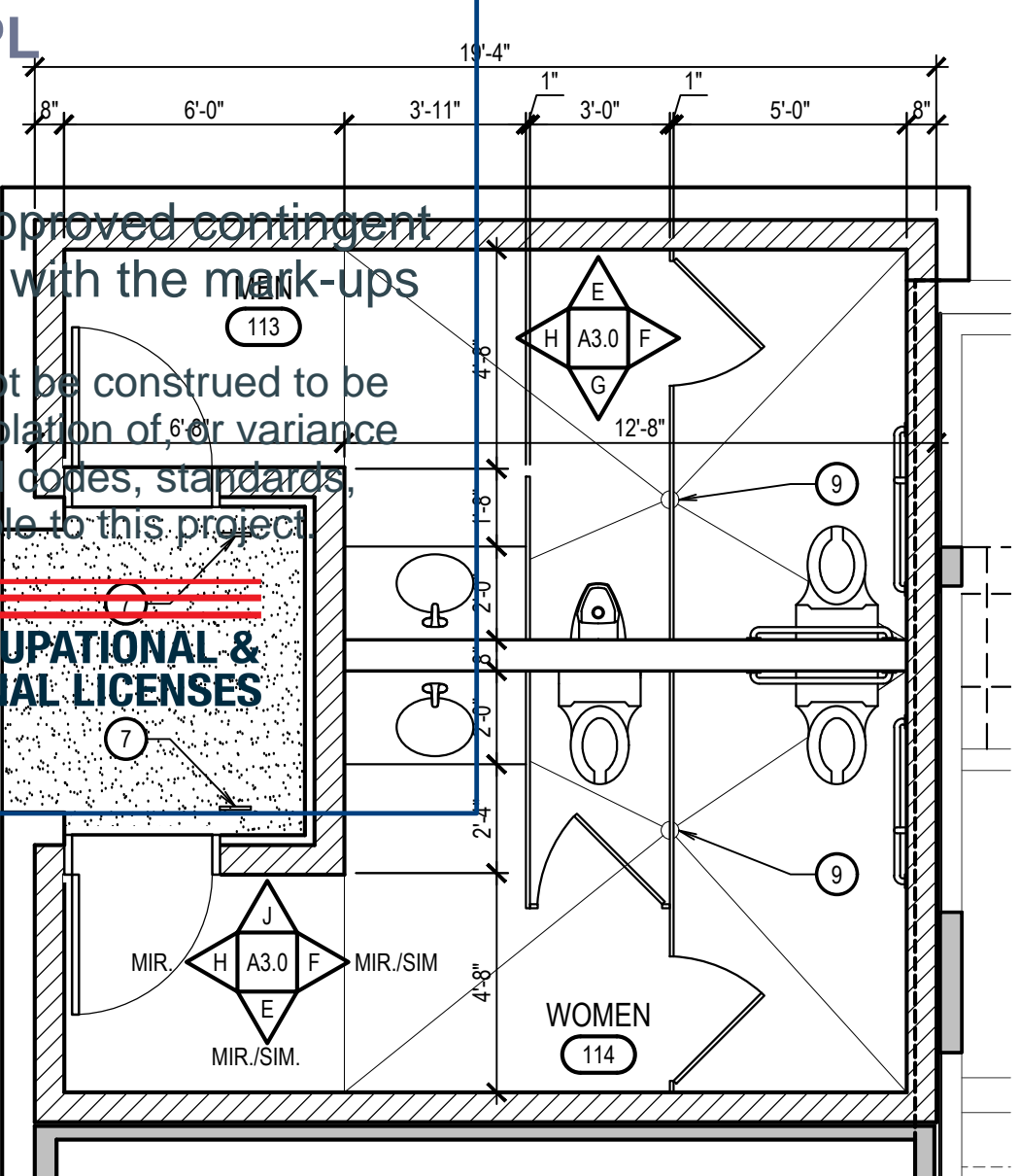
NBW PROJECT NO.: 24015
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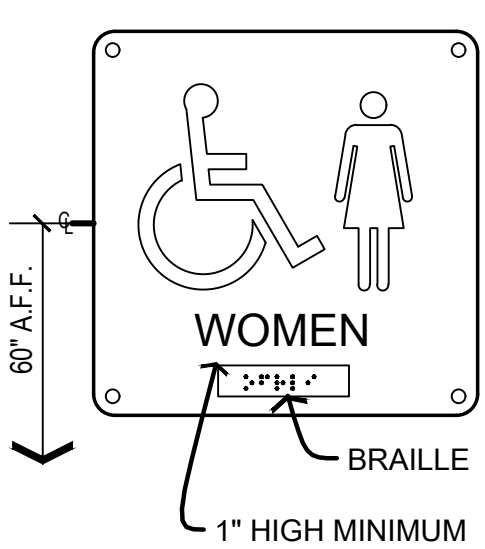
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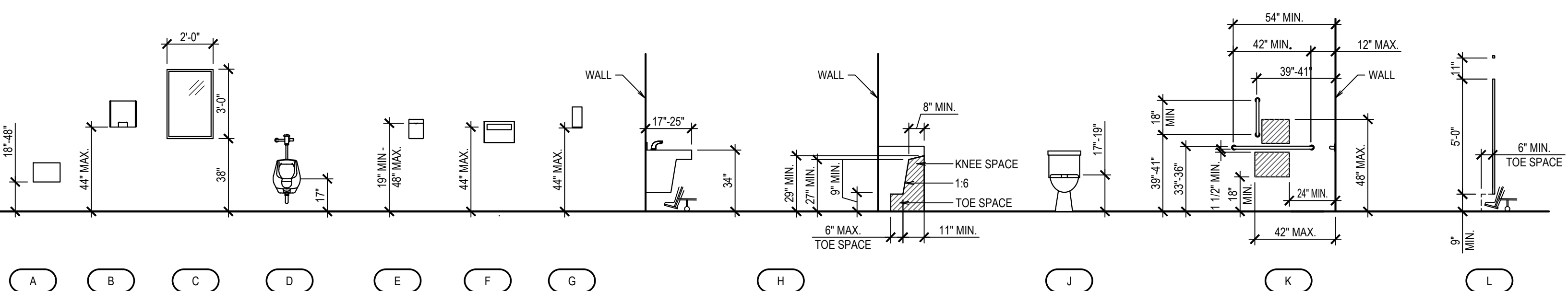
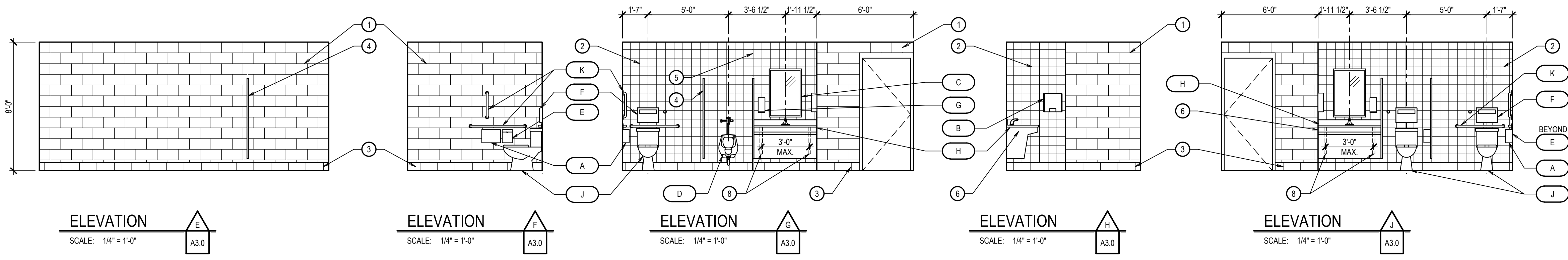
DOPL



ENLARGED TOILET ROOMS
SCALE: 1/4" = 1'-0"



SIGNAGE
SCALE: 3" = 1'-0"

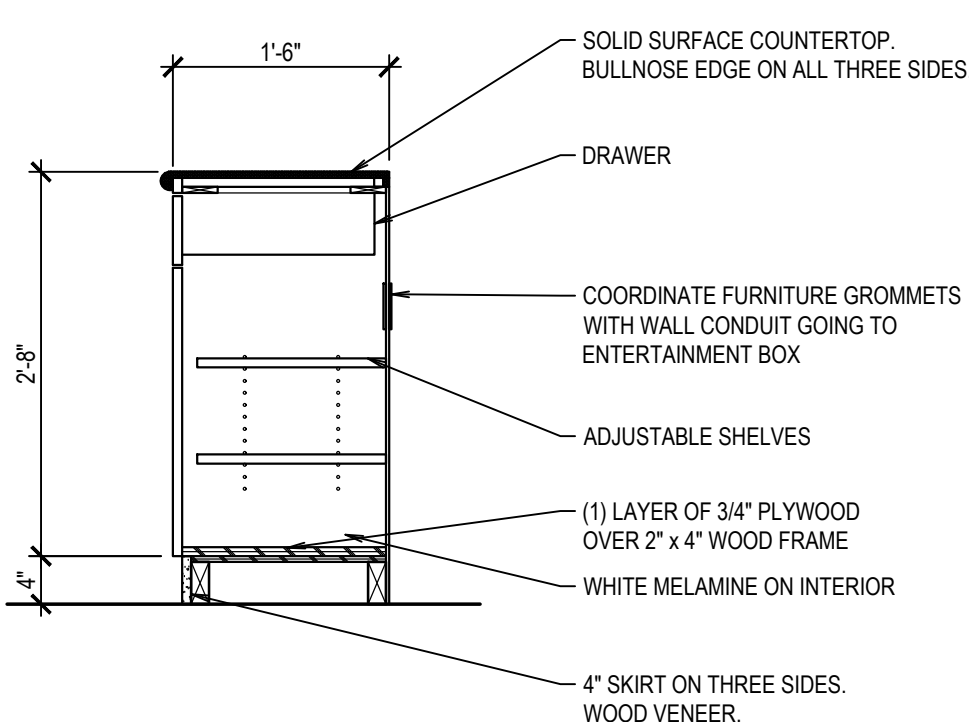
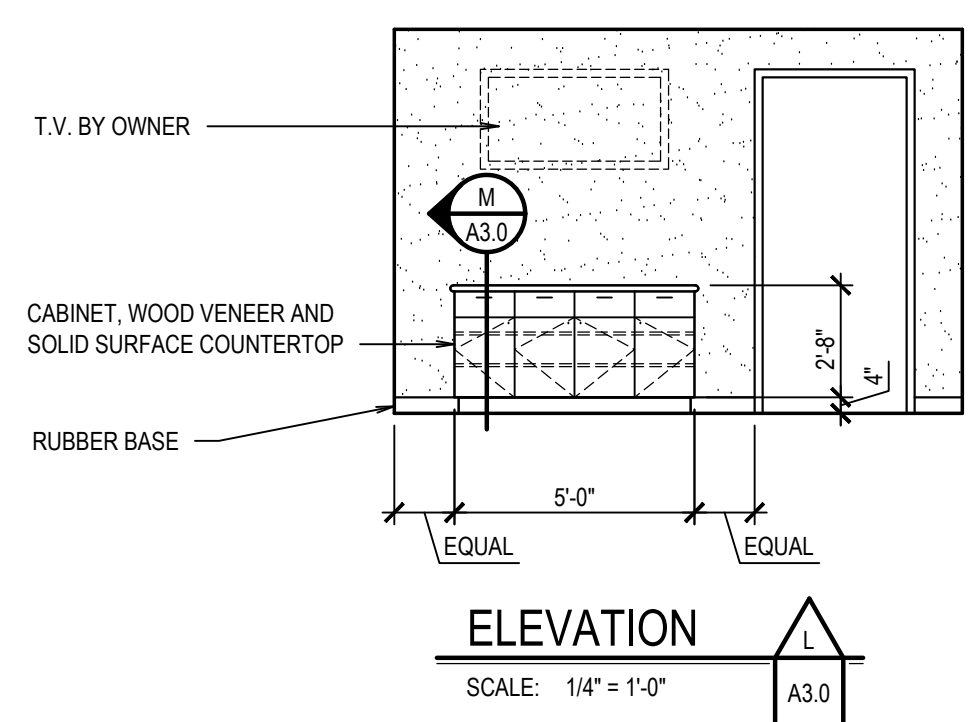


- NOTE:
1. ALL DIMENSIONS SHOWN ARE TO TOP OF OPERATING MECHANISM FOR EACH ACCESSORY.
2. SOME ITEMS SHOWN ABOVE MAY NOT BE IDENTICAL TO THE SPECIFIED ITEMS ON THIS PROJECT.
3. REFER AND VERIFY WITH MANUFACTURER'S RECOMMENDED MOUNTING HEIGHTS.
4. CONTRACTOR TO PROVIDE ALL TOILET ACCESSORIES LISTED ABOVE.
- A. TOILET PAPER DISPENSER
B. ELECTRIC HAND DRYER
C. MIRROR
D. URINAL
E. SANITARY NAPKIN DISPOSAL - IN WOMEN'S TOILET ROOM ONLY
F. TOILET SEAT COVER DISPENSER
G. AUTOMATIC SOAP DISPENSER
H. SINK WITH AUTOMATIC, TOUCHLESS FAUCET
J. WATER CLOSET
K. GRAB BARS
L. TOILET PARTITIONS

ANSI MOUNTING HEIGHTS

TYPICAL MOUNTING LOCATIONS - GRAB BARS AT WATER CLOSET
SCALE: 1/4" = 1'-0"

ROOM FINISH SCHEDULE							
AREA		FLOOR	BASE	WALLS			
NO.	NAME			NORTH	EAST	SOUTH	WEST
102	DIRECTOR	CARPET	SLIP RESISTANT FLOOR TILE	SEE DESIGNATED NOTE	SEE DESIGNATED NOTE	SEE DESIGNATED NOTE	SEE DESIGNATED NOTE
113	MEN	SEE DESIGNATED NOTE	CERAMIC CORE BASE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE
114	WOMEN	SEE DESIGNATED NOTE	RUBBER BASE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE



- T.R. ELEVATION KEYNOTES
- CMU, PAINTED
 - CERAMIC WALL TILE
 - CERAMIC FLOOR TILE AND COVE BASE
 - TOILET PARTITION
 - 2" x 2" FLOOR TO CEILING STAINLESS STEEL SUPPORT POST FOR URINAL SCREEN
 - PLASTIC LAMINATE COUNTERTOP WITH 4" BACK SPLASH AND UNDERMOUNT SINK
 - SEE DETAIL KIA3.0 FOR SIGNAGE INFORMATION
 - STEEL SUPPORT BRACKET, PAINT
 - FLOOR DRAIN, SLOPE FLOOR TO DRAIN

- WALL SECTION KEYNOTES
- 02 SITEWORK
- COMPACTED DRAINAGE COARSE (4" MIN DEPTH)
 - COMPACTED ENGINEERED FILL
- 03 CONCRETE
- CONCRETE FOUNDATION - SEE STRUCTURAL
 - CONCRETE FOOTING - SEE STRUCTURAL
 - 4" CONCRETE SLAB - SEE STRUCTURAL
 - CONCRETE WALKS
 - THICKENED CONCRETE SLAB EDGE, SEE STRUCTURAL
- 04 MASONRY
- FULL BED DEPTH STONE W/ WEEPHOLES AT BOTTOM
 - CONCRETE MASONRY UNIT
 - WIRE MESH
 - MASONRY HEADER, SEE STRUCTURAL
 - STONE SILL
- 06 WOOD
- 2 x 4
 - 2 x 6
 - SHEATHING
 - PRE-ENGINEERED WOOD TRUSS
 - 2 x BLOCKING PER STRUCTURAL
 - 2 x 8
 - (2) 2 x 6 JOISTS
 - 2 x 10
 - 2 x 6 JOIST
 - BOX HEADER, SEE STRUCTURAL
 - GABLE END TRUSS
- 07 THERMAL & MOISTURE PROTECTION
- 12" ASPHALTIC EXPANSION JOINT MATERIAL, CONTINUOUS
 - METAL SIDING
 - PRE-FINISHED METAL FLASHING
 - PRE-FINISHED STANDING SEAM METAL ROOF
 - 2" RIGID FOUNDATION INSULATION
 - BATT INSULATION
 - AIR INFILTRATION BARRIER
 - VAPOR BARRIER
 - SLIP SHEET
 - PRE-FINISHED METAL FASCIA
 - PRE-FINISHED, PERFORATED, METAL SOFFIT PANELS
 - RIGID WALL INSULATION
 - PRE-FINISHED METAL RAIN GUTTER/DOWNSPOUT, SEE DETAIL NIA4.0
 - (2) LAYERS OF WATER RESISTIVE BARRIER
 - PREFABRICATED RIGID, CORRUGATED PLASTIC INSULATION BAFFLE
- 08 DOORS & WINDOWS
- METAL CLAD WOOD WINDOWS
- 09 FINISHES
- GYPSUM BOARD
 - SOLID SURFACE SILL
 - LAY-IN CEILING PANELS
 - SUSPENDED GYPSUM BOARD CEILING
 - SETTING BED AND FLOOR PAVEMENT TILES
- 23 HEATING VENTILATING AND AIR CONDITIONING
- TRANSFER GRILLE



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CEMETERY PROJECTS: ADMINISTRATION BLDG ADDITION
DPW PROJECT NO. 2021-605
BLACKFOOT, IDAHO

REVISIONS

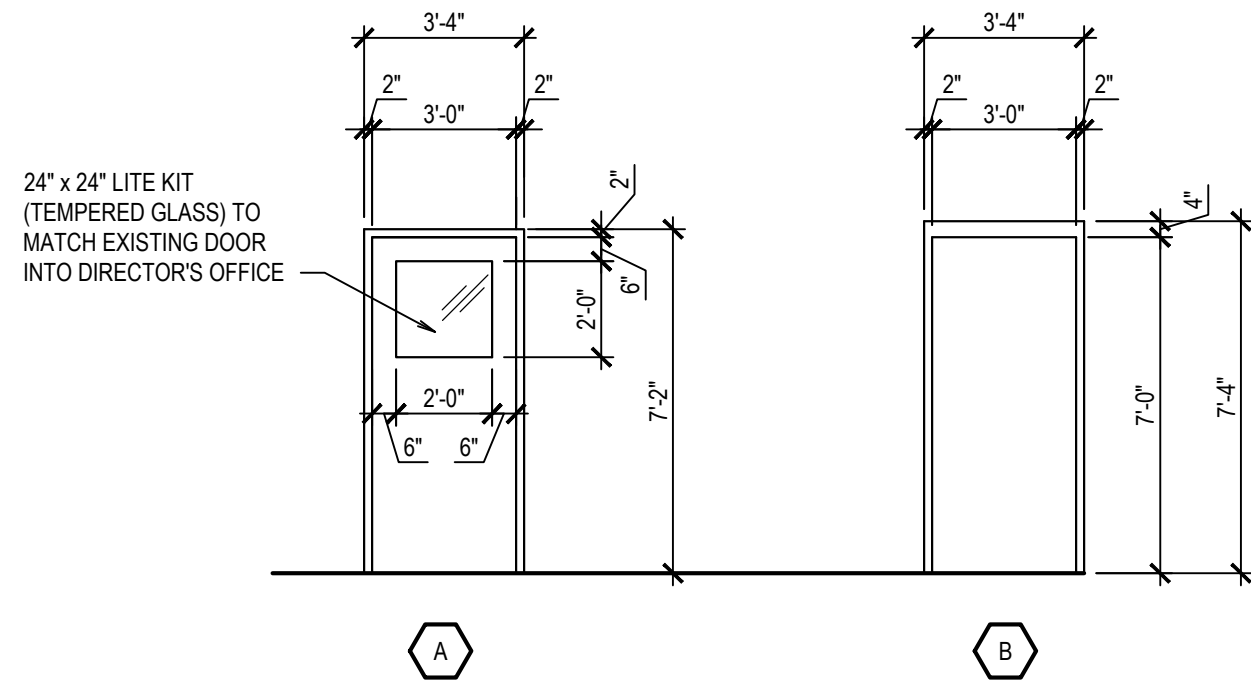
NEW PROJECT NO.: 24015
DATE: JANUARY 2025
DRAWN BY: KP
CHECKED BY: NRH
DRAWING NO.:

A3.0

PA#: 1601264
Date: 5/5/2025
These plans are approved contingent on the compliance with the mark-ups and notes applied.
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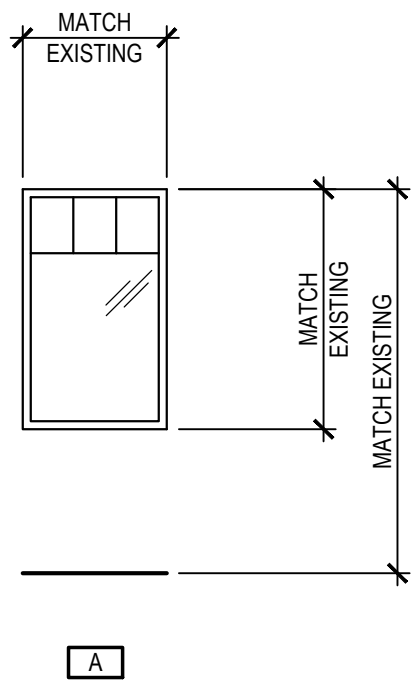
DIVISION OF OCCUPATIONAL & PROFESSIONAL LICENSES

DOOR SCHEDULE											
				MATERIALS		DETAILS					
NO.	TYPE	SIZE	DOOR	FRAME	HEAD	JAMB	THRESHOLD				
All glass to be constructed in accordance with the manufacturer's specifications and standards. No substitutions or variances without prior approval of the architect.											
			A	YD	HM	E/A4.0	FA4.0	SCHLUTER PROFILE 'SCIENIE' OR COMPATIBLE			
113	3'-0" x 7'-0"	S	B	HM	HM	A/A4.0	C, D/A4.0				
114	3'-0" x 7'-0"	S	B	HM	HM	A/A4.0	C, D/A4.0				



DOOR TYPES

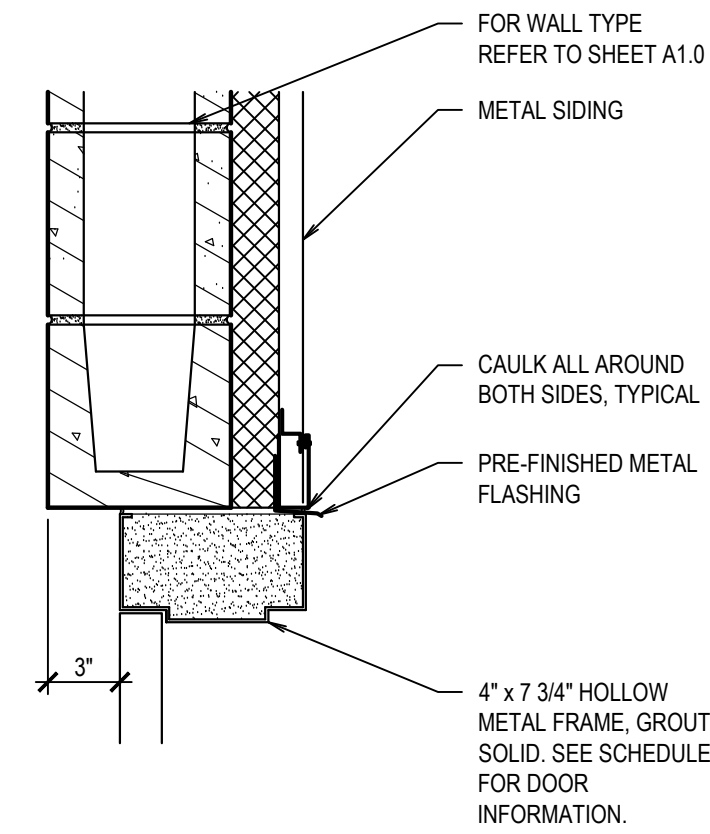
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WINDOW TYPES

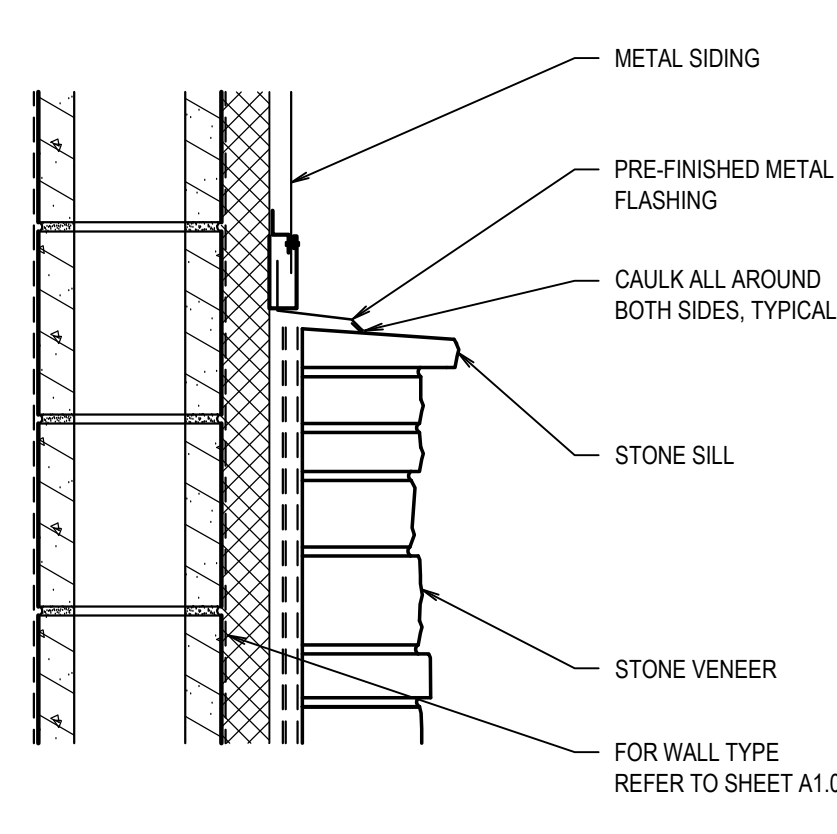
SCALE: 1/4" = 1'-0"

WINDOW SCHEDULE							
WINDOW NUMBER	SIZE	WINDOW TYPE	MATERIAL	DETAILS			REMARKS
				HEAD	JAMB	SILL	
102A	FIELD VERIFY/MATCH EXISTING	A	WOOD	G/A4.0	G/A4.0 SIM.	H/A4.0	WITH BLINDS
102B	FIELD VERIFY/MATCH EXISTING	A	WOOD	G/A4.0	G/A4.0 SIM.	H/A4.0	WITH BLINDS
102C	FIELD VERIFY/MATCH EXISTING	A	WOOD	G/A4.0	G/A4.0 SIM.	H/A4.0	WITH BLINDS
NOTE: ALL GLASS TO BE INSULATED GLASS UNLESS NOTED OTHERWISE. ALL ALUMINUM CLAD WOOD FRAMES TO BE PAINTED ON THE INTERIOR. ALL GLASS TO BE TEMPERED UNLESS OTHERWISE NOTED.							



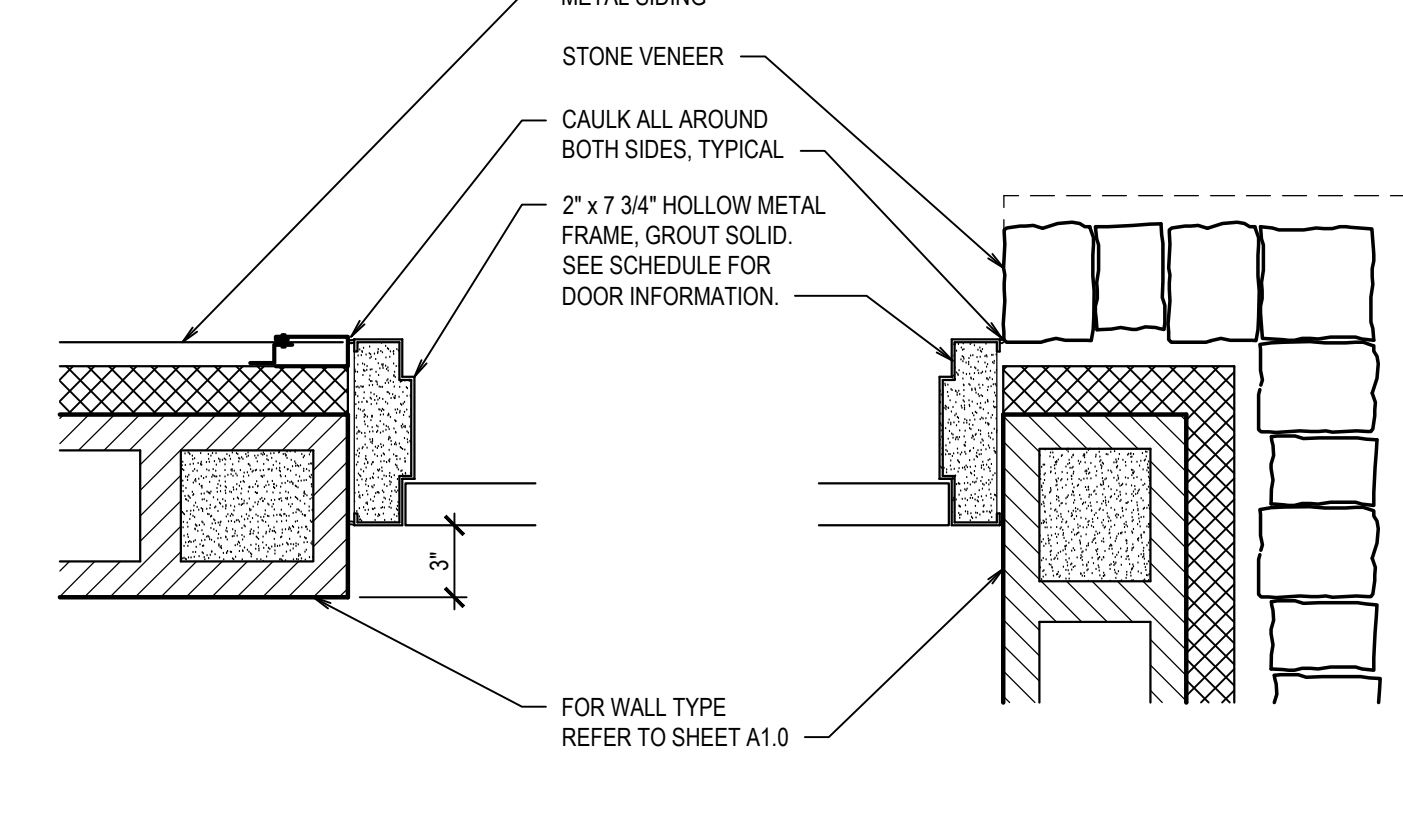
HEAD DETAIL

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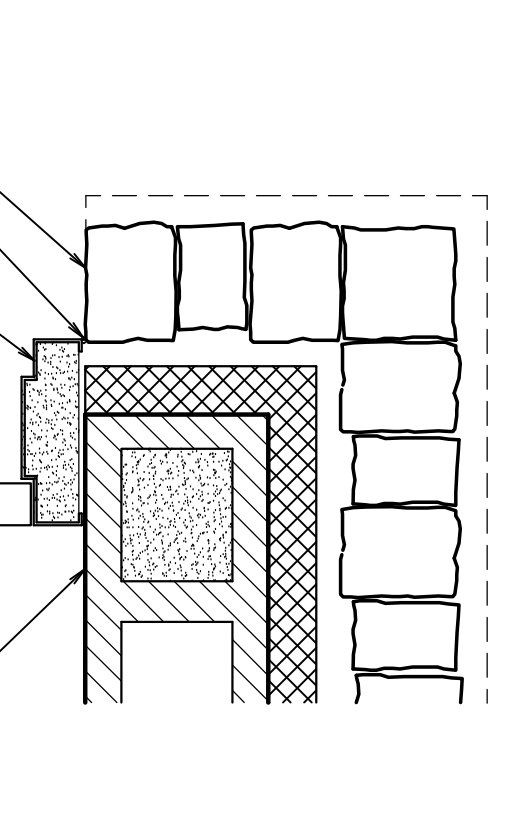
DETAIL

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



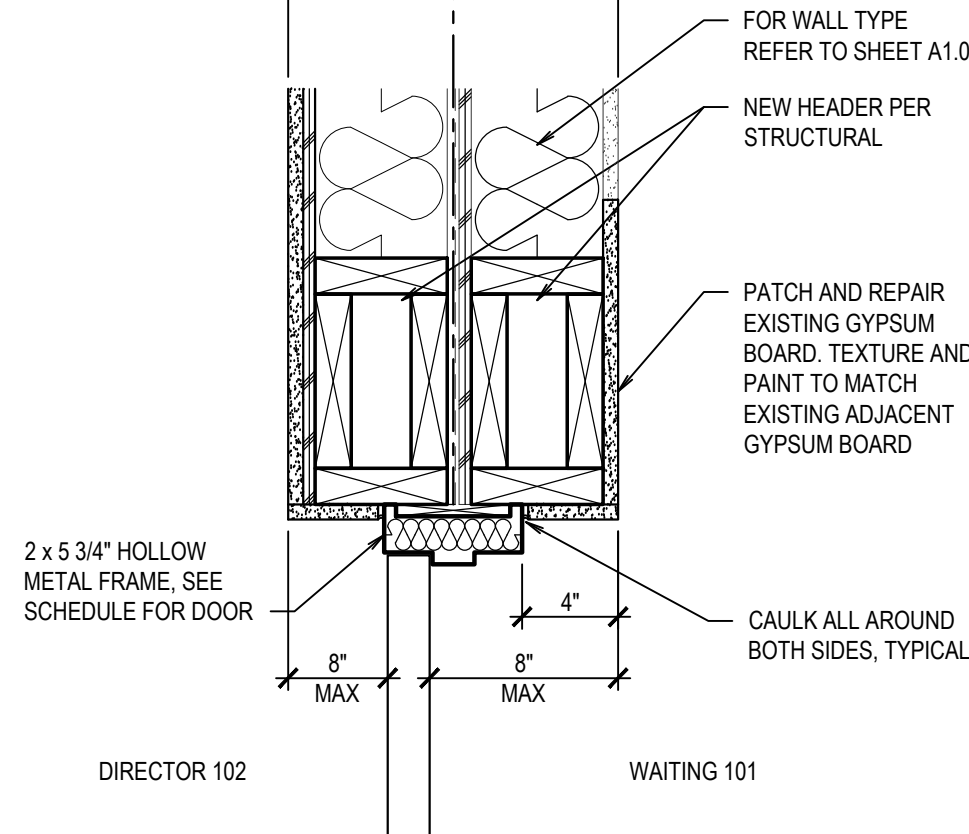
JAMB DETAIL

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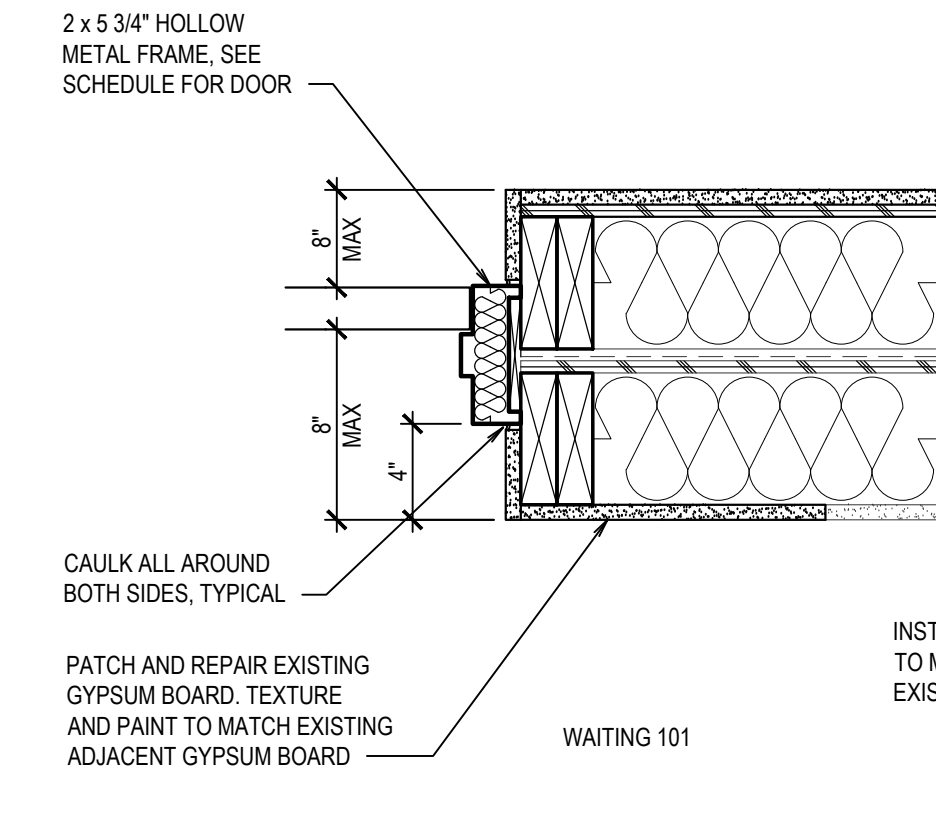
JAMB DETAIL

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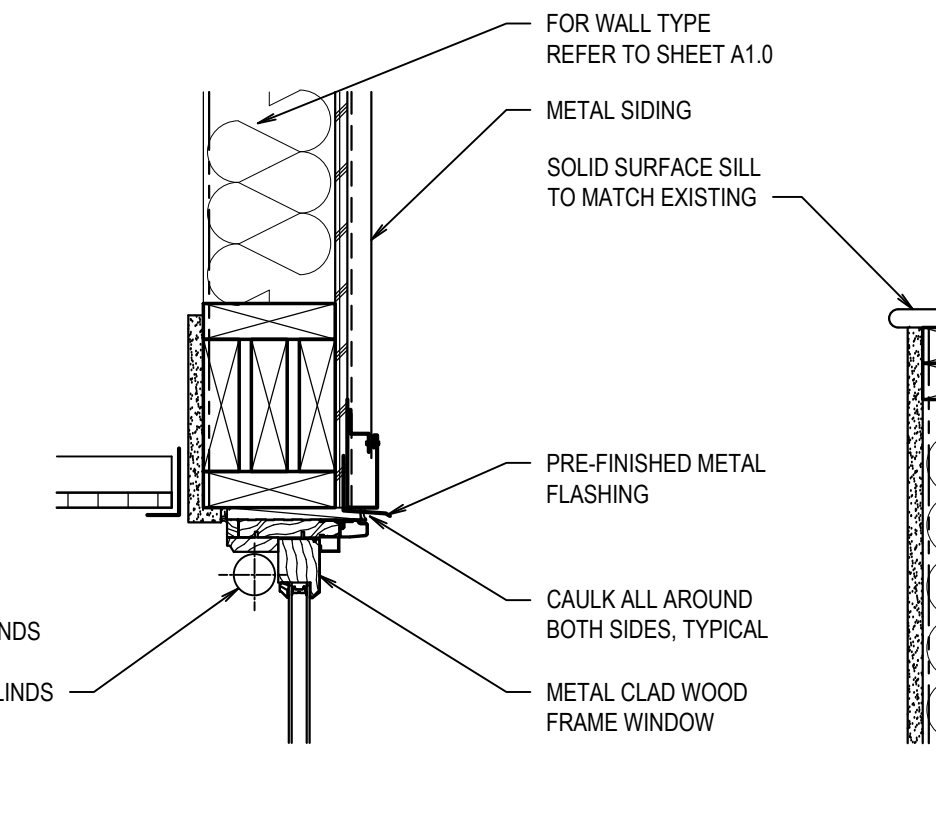
HEAD DETAIL

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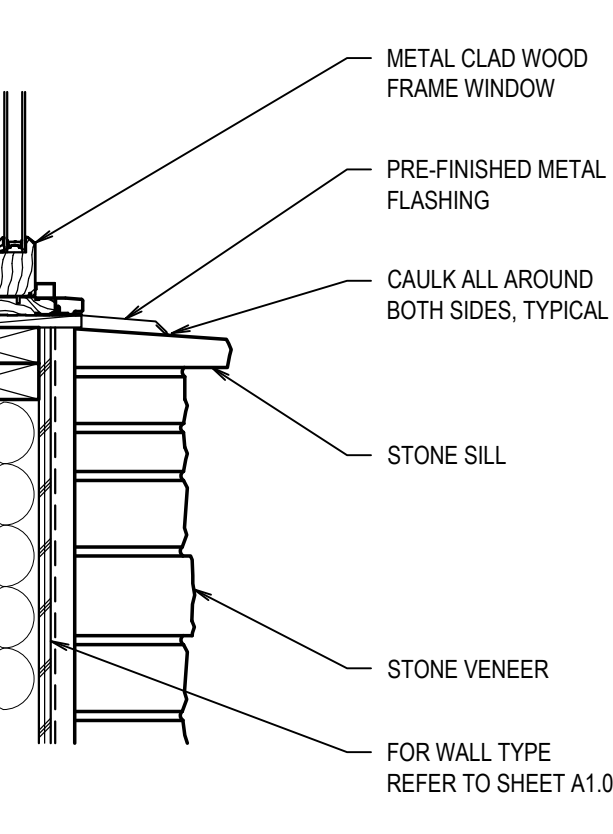
JAMB DETAIL

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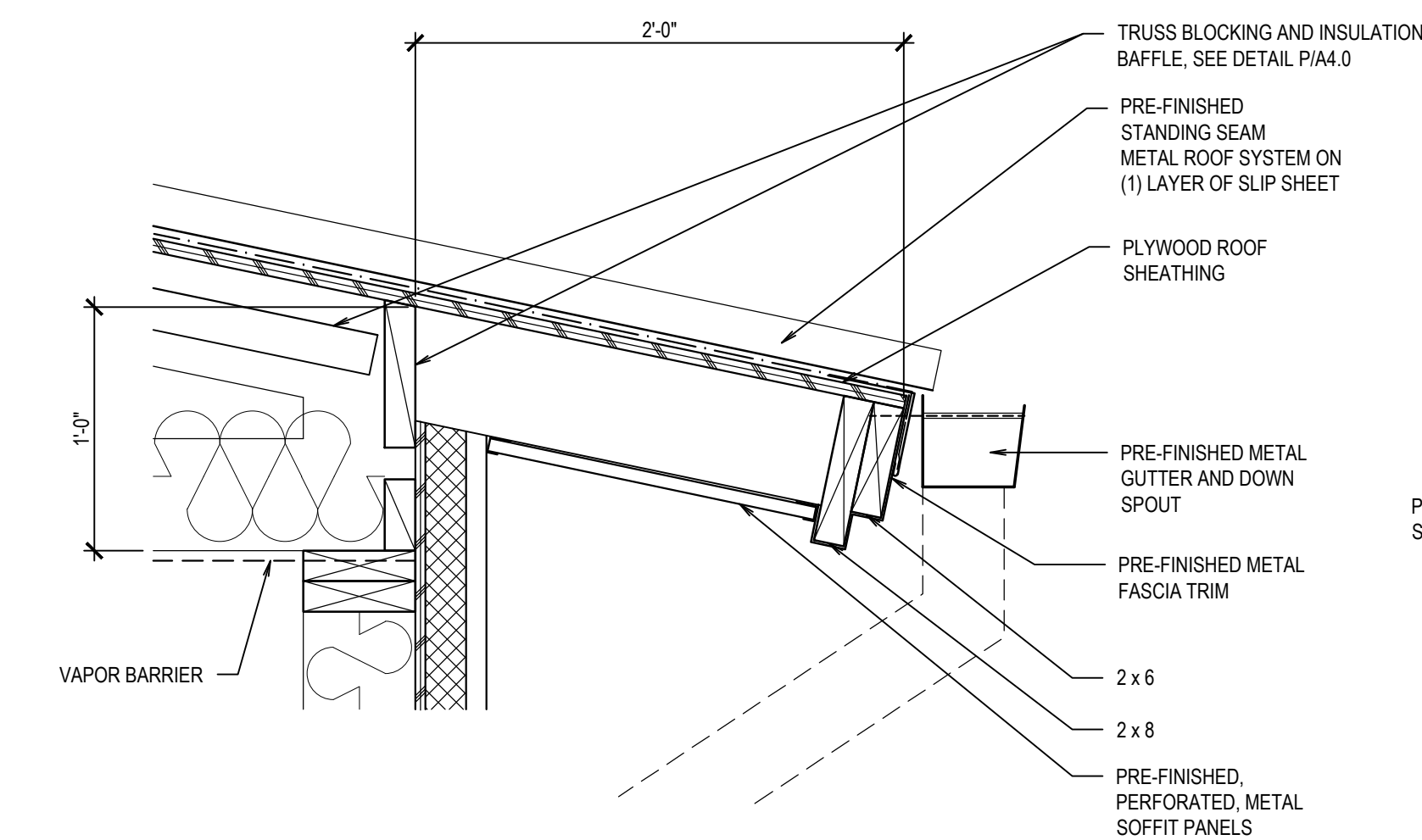
HEAD DETAIL

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



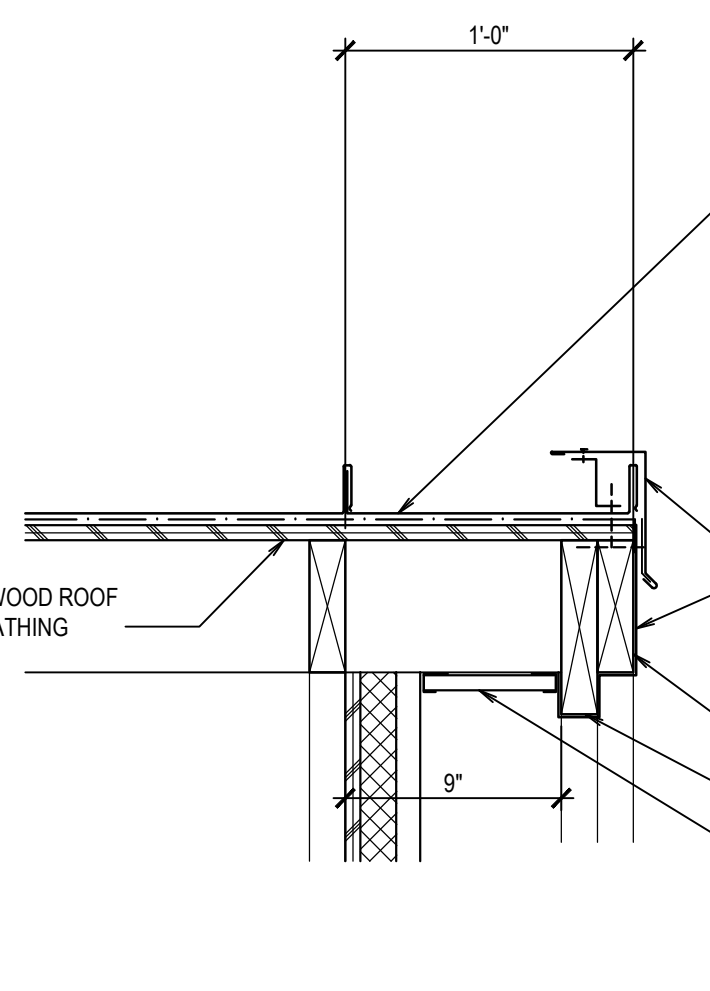
SILL DETAIL

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



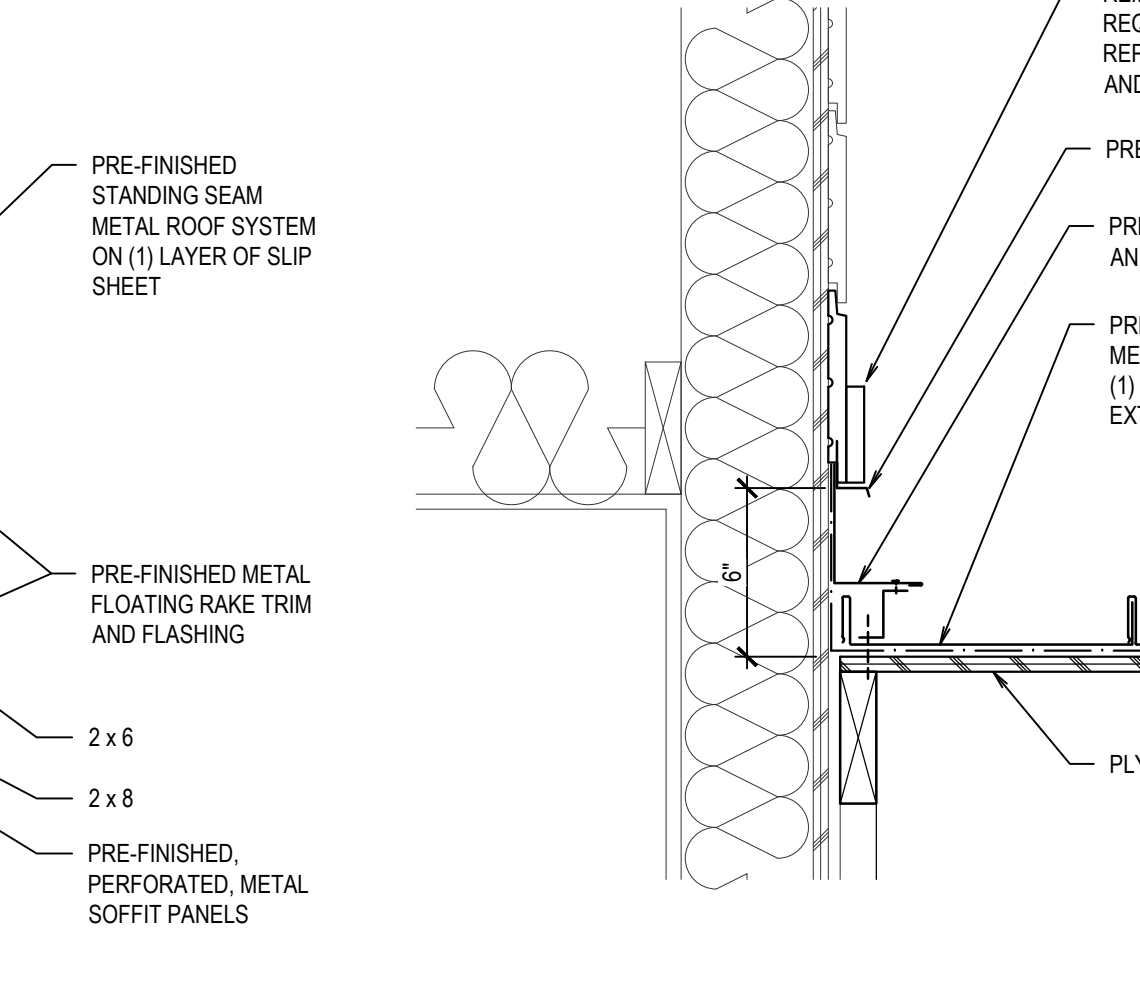
DETAIL

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



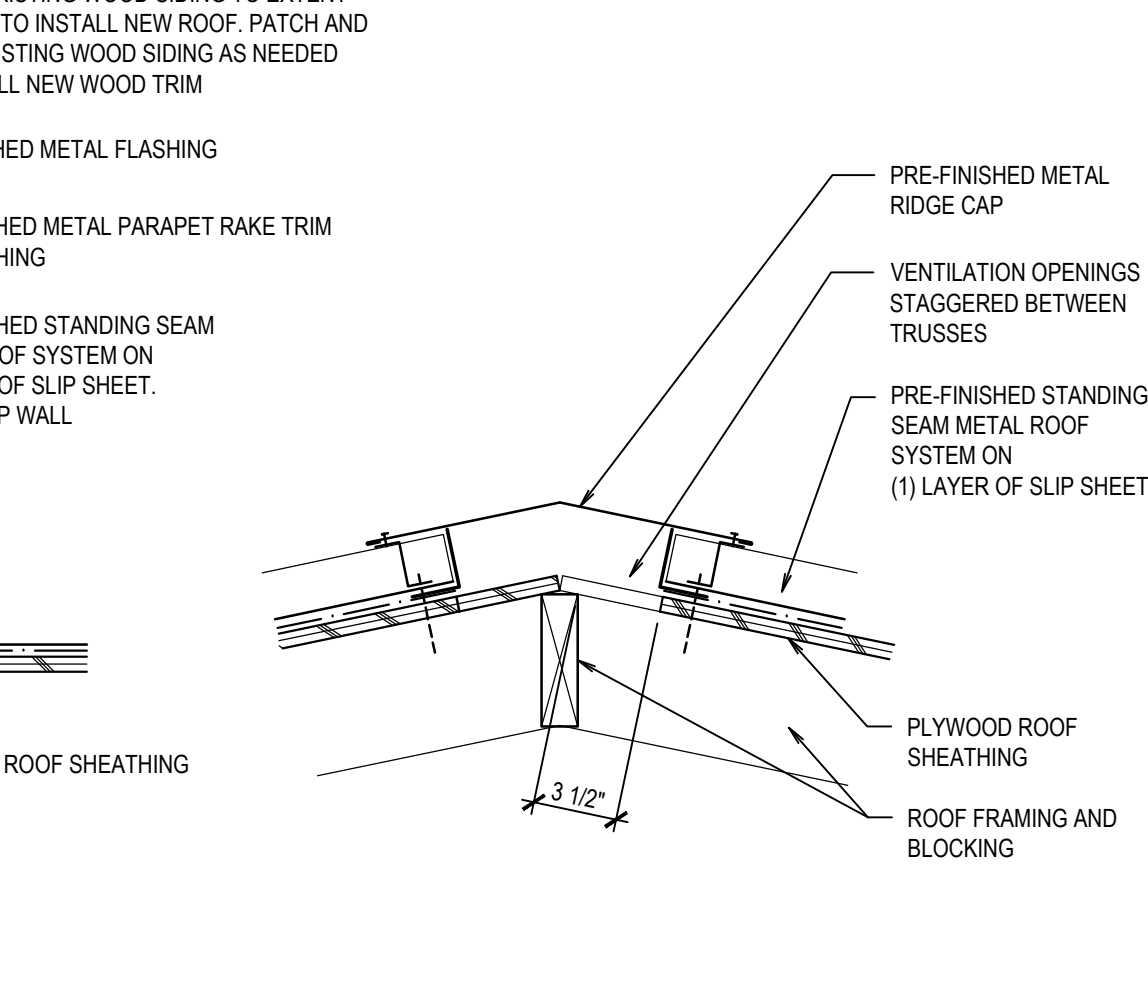
DETAIL

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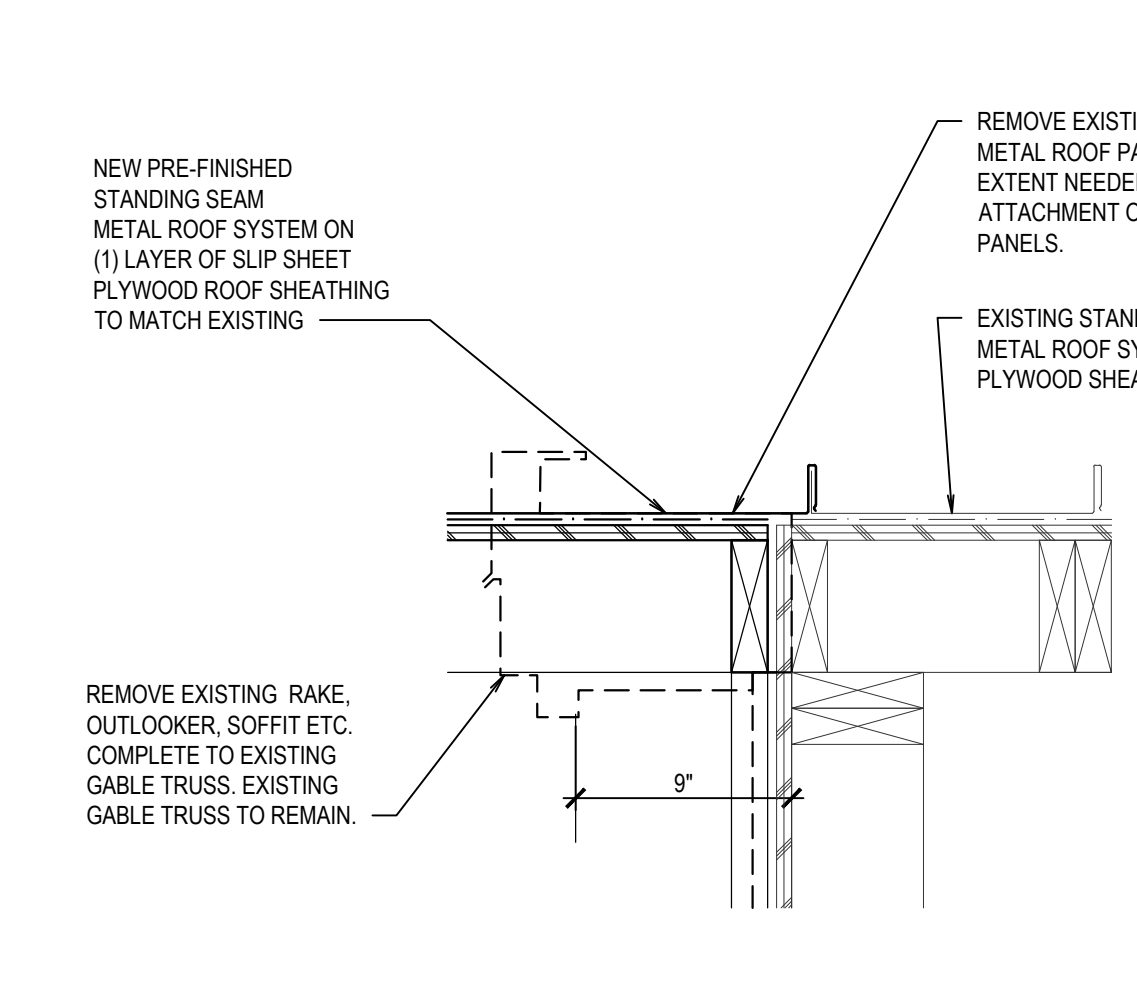
DETAIL

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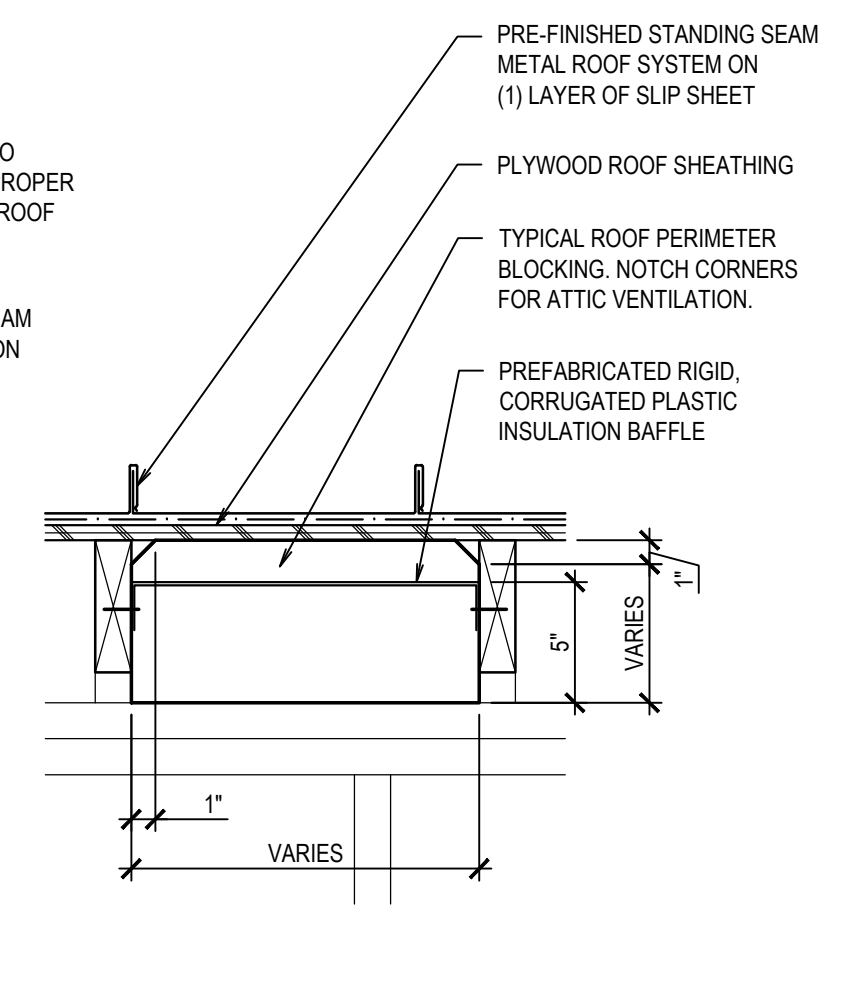
DETAIL

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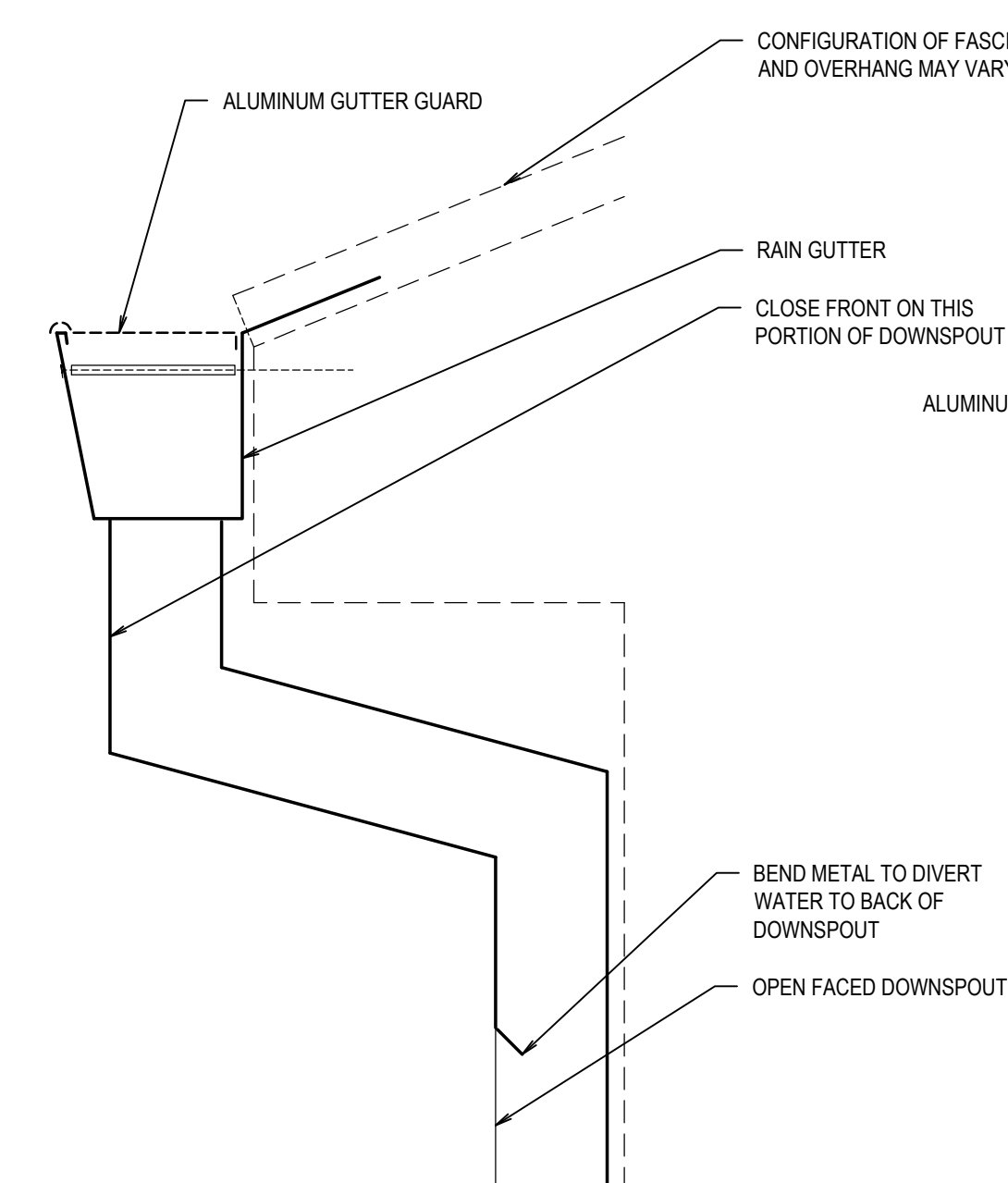
DETAIL

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



DETAIL

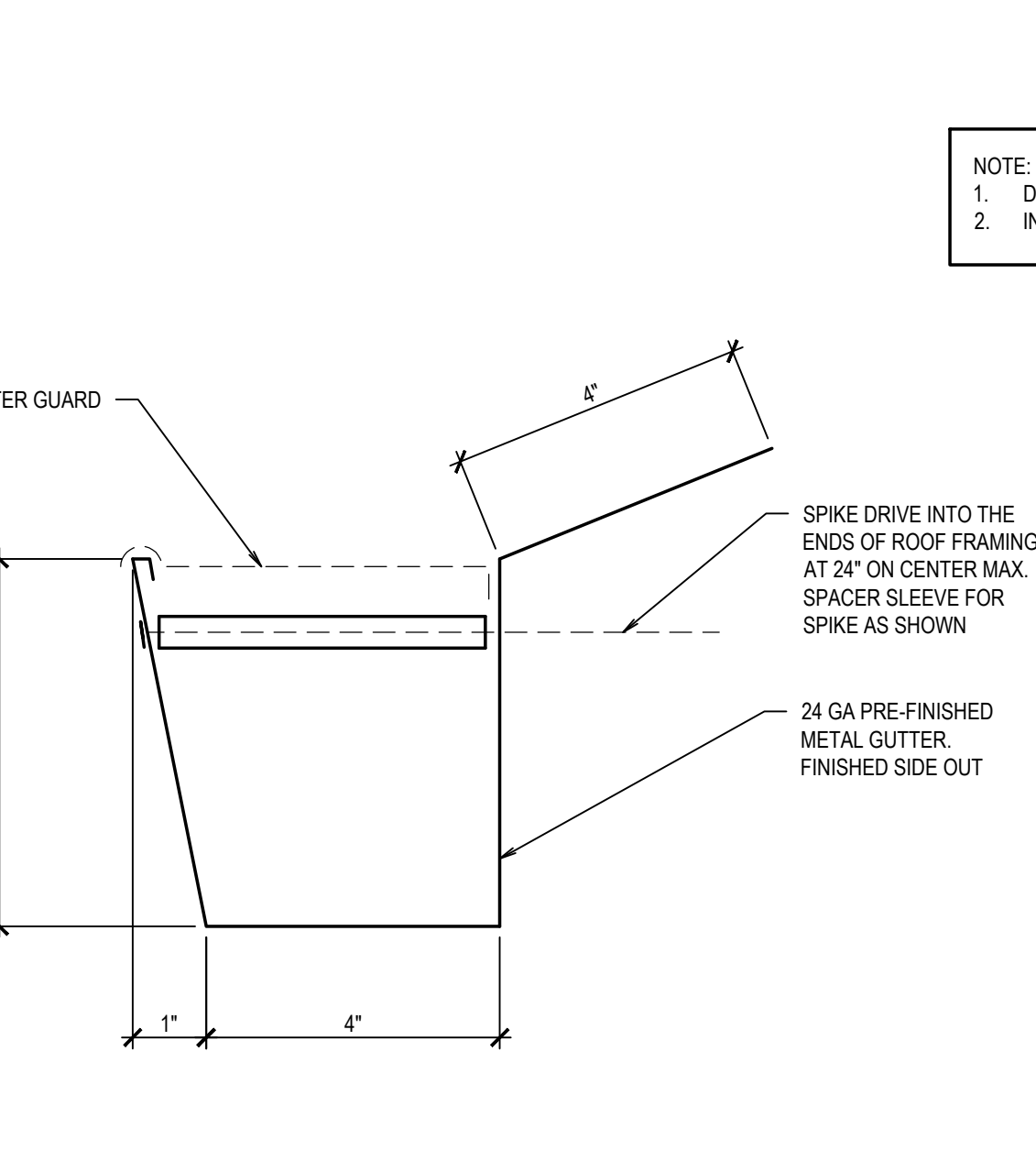
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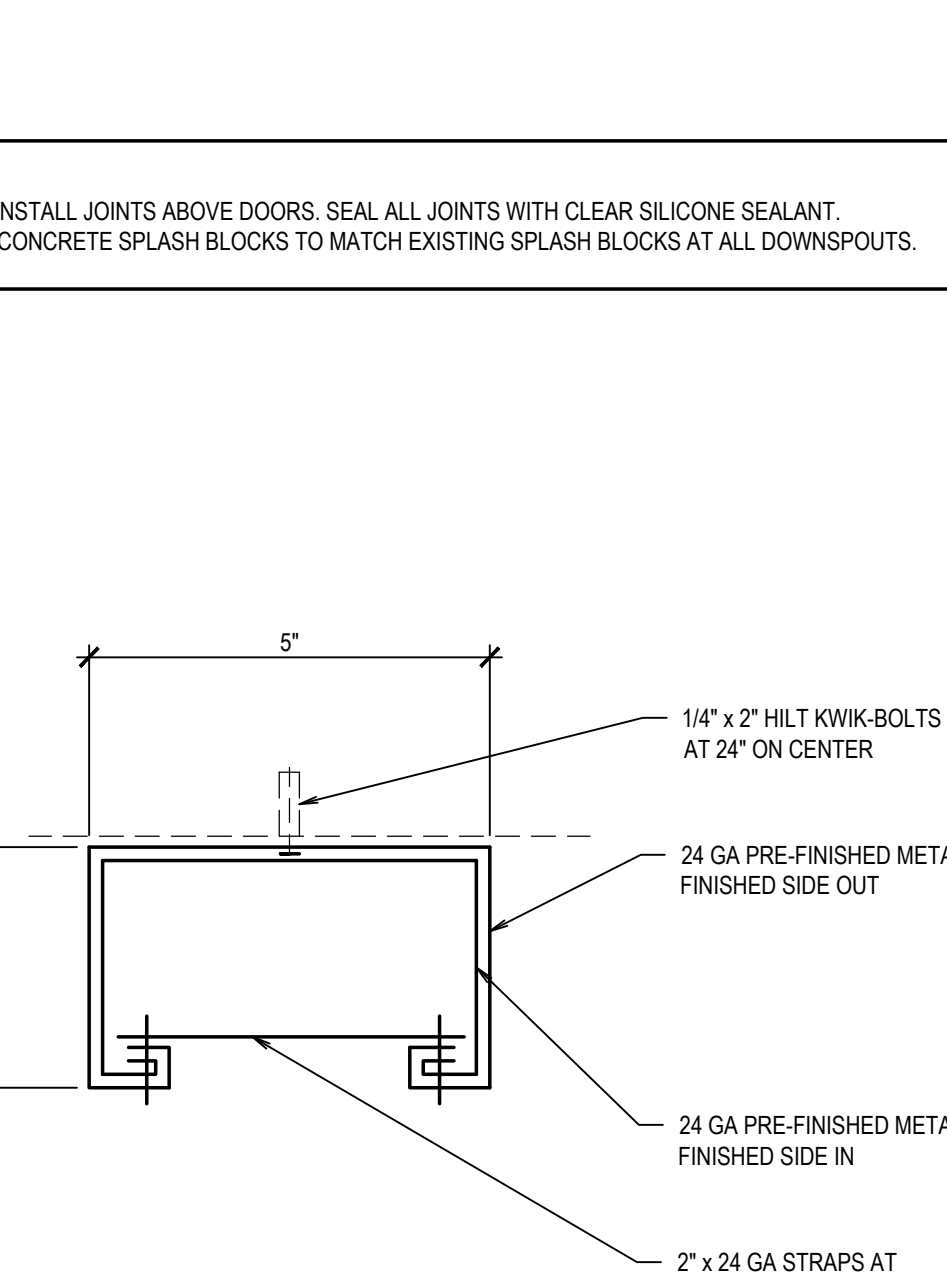
DROPOUT

DETAIL

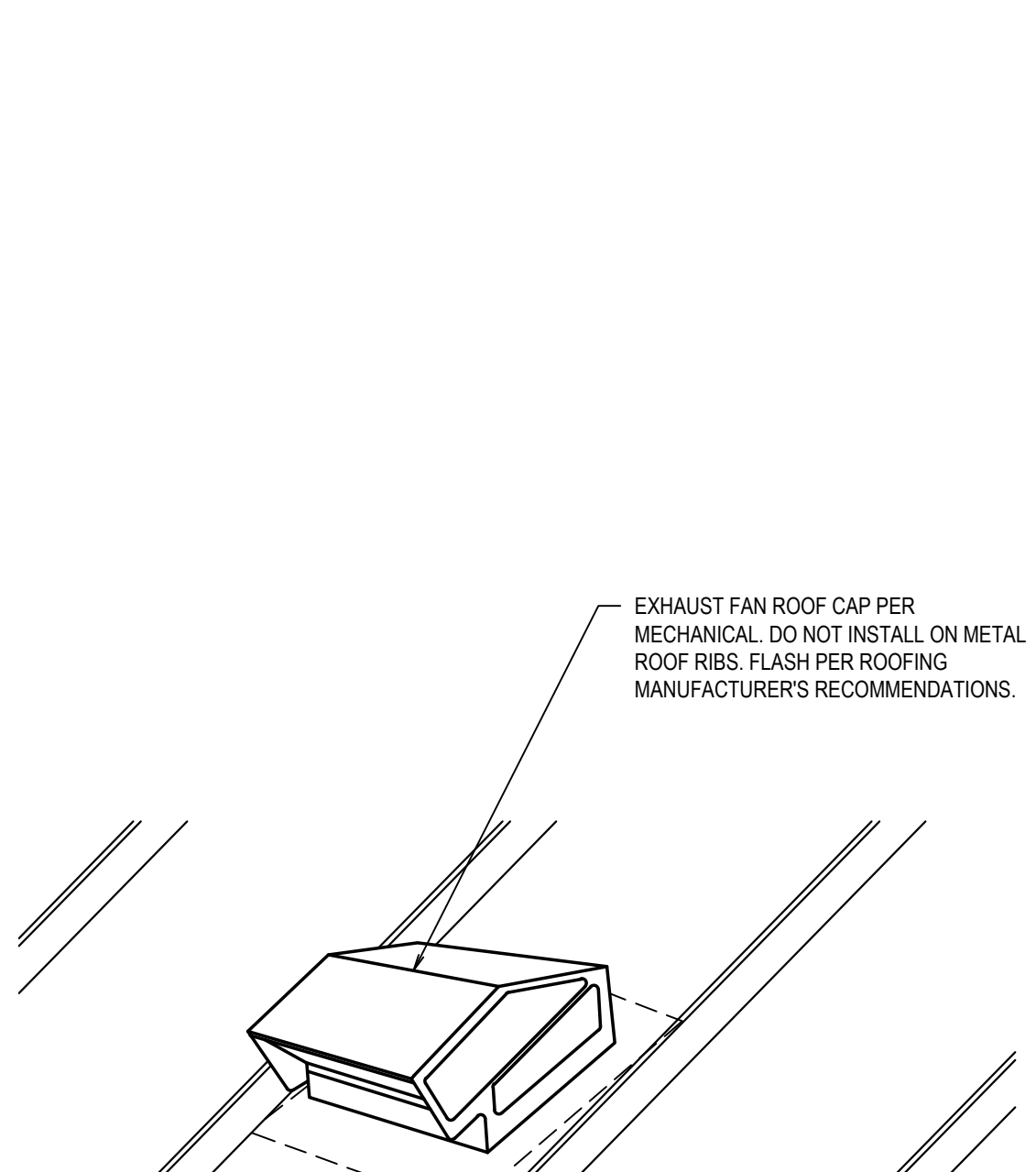
SCALE: N.T.S.



GUTTER

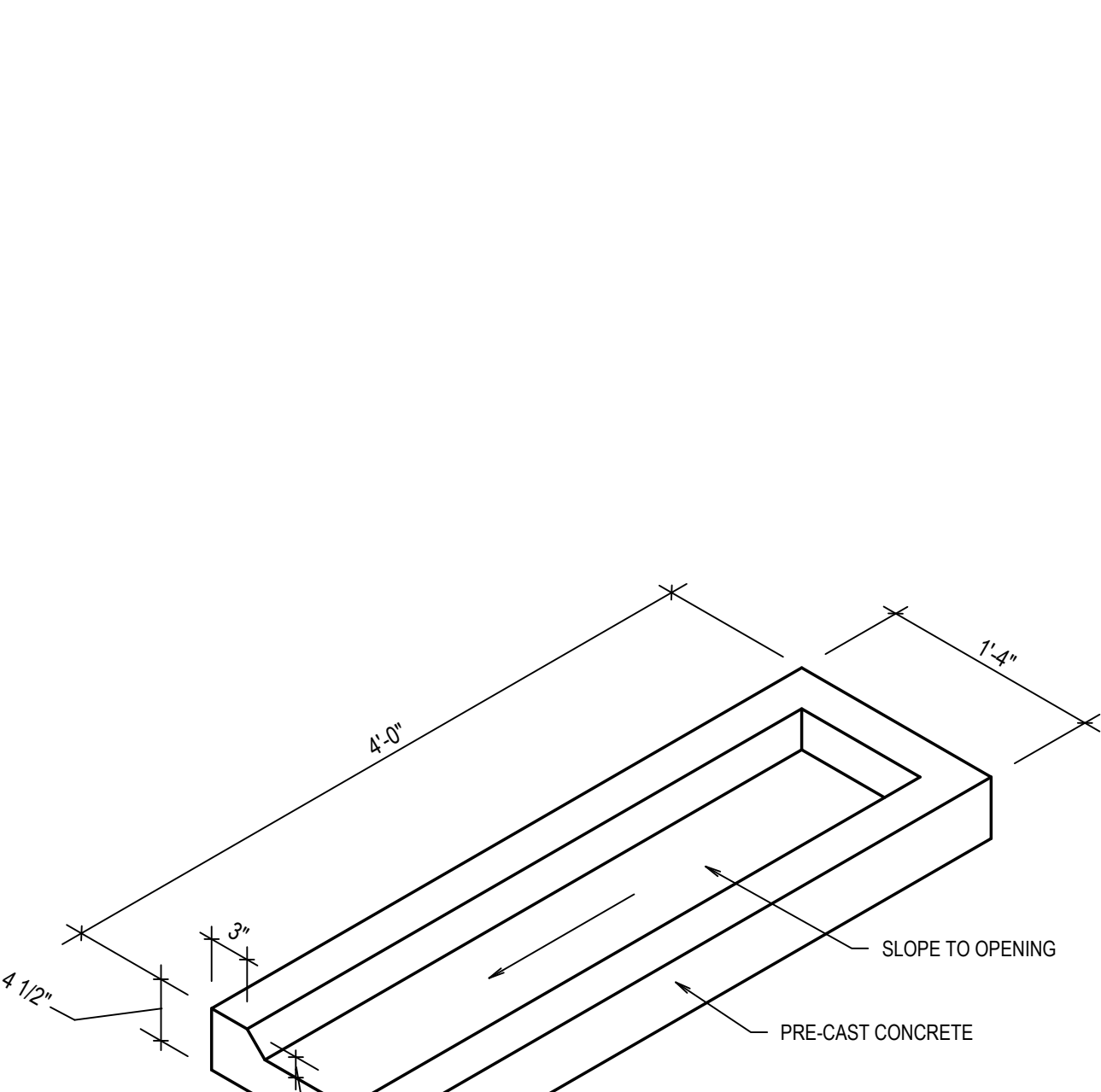


DOWNSPOUT



DETAIL

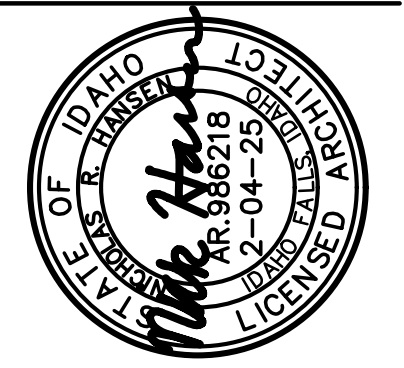
SCALE: 1 1/2" = 1'-0"



SPLASH BLOCK DETAIL

SCALE: 1" = 1'-0"

NOTE:
1. DO NOT INSTALL JOINTS ABOVE DOORS. SEAL ALL JOINTS WITH CLEAR SILICONE SEALANT.
2. INSTALL CONCRETE SPLASH BLOCKS TO MATCH EXISTING SPLASH BLOCKS AT ALL DOWNSPOUTS.



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CEMETERY PROJECTS: ADMINISTRATION BLDG ADDITION

DPW 2021605 IDVS

PROJECT NO. 2021-605

BLACKFOOT, IDAHO

DOOR AND WINDOW SCHEDULE AND DETAILS

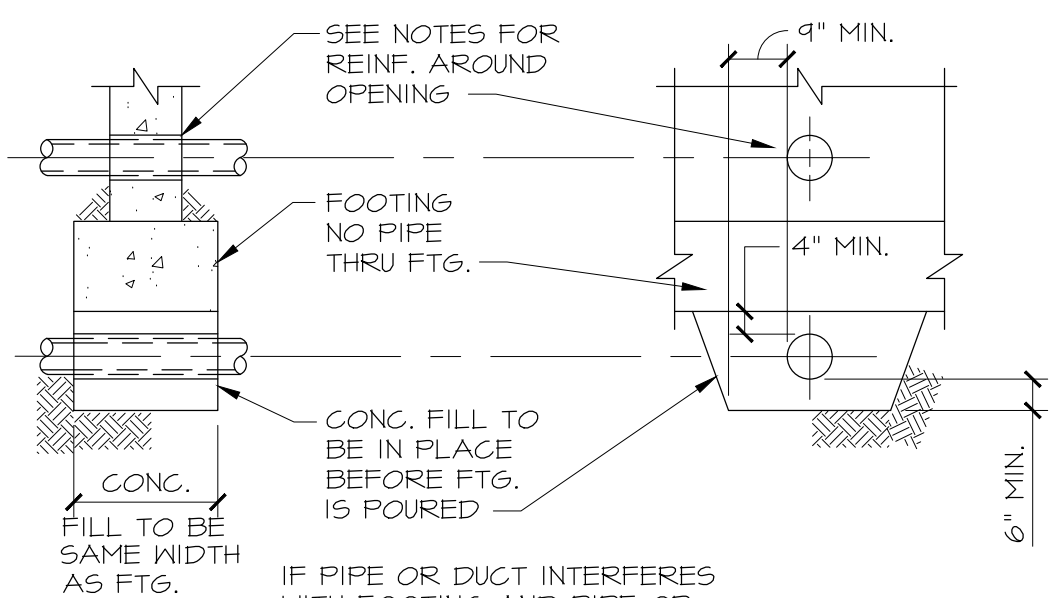
PROJECT: SHEET TITLE:

REVISIONS

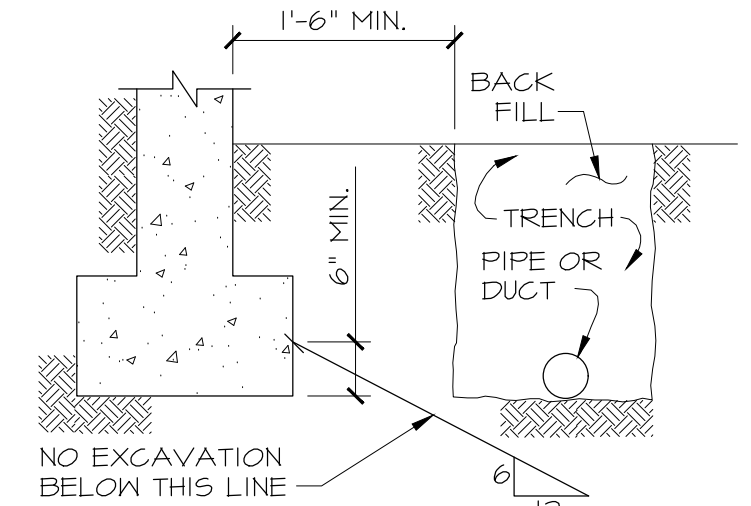
NEW PROJECT NO.: 24015
DATE: JANUARY 2025
DRAWN BY: KP
CHECKED BY: NRH
DRAWING NO.:

A4.0

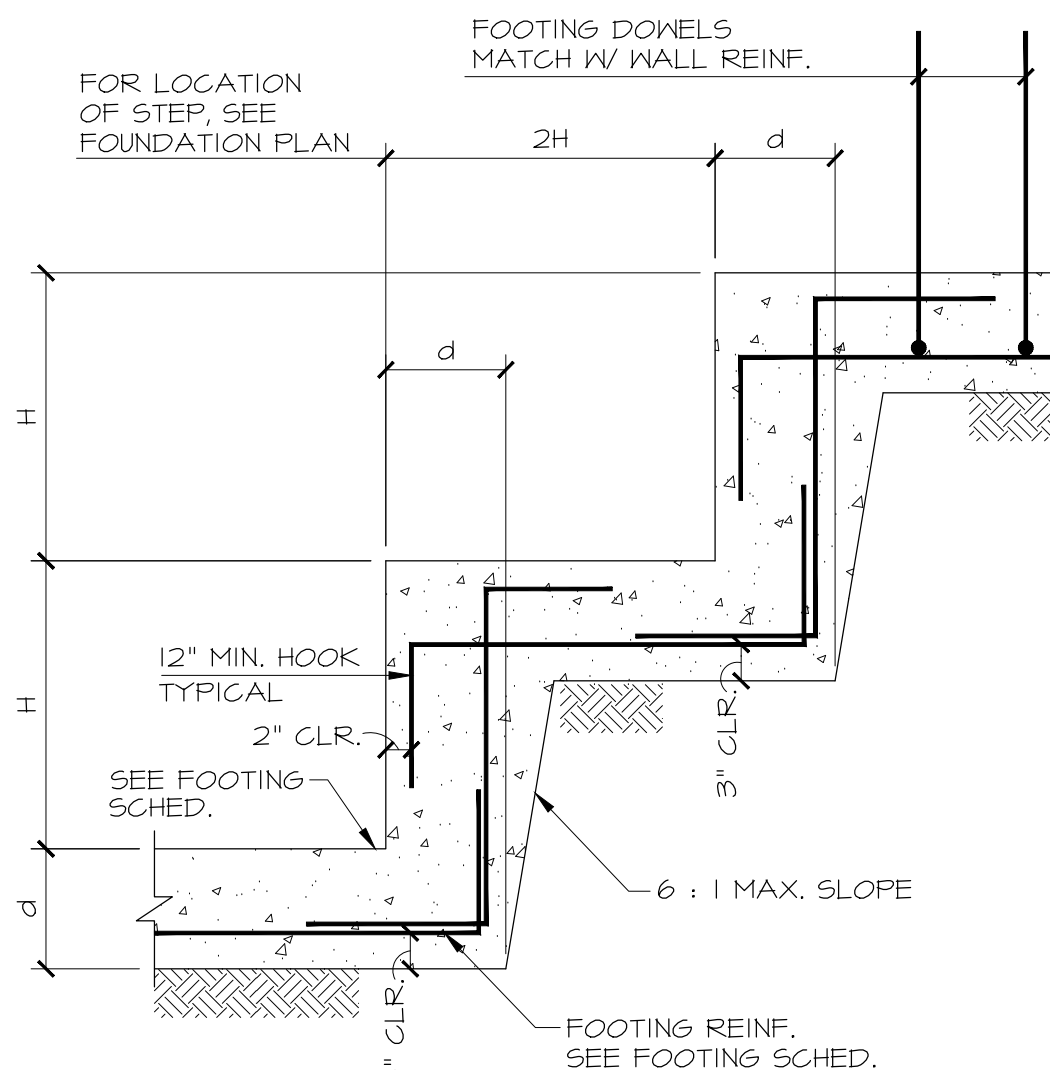
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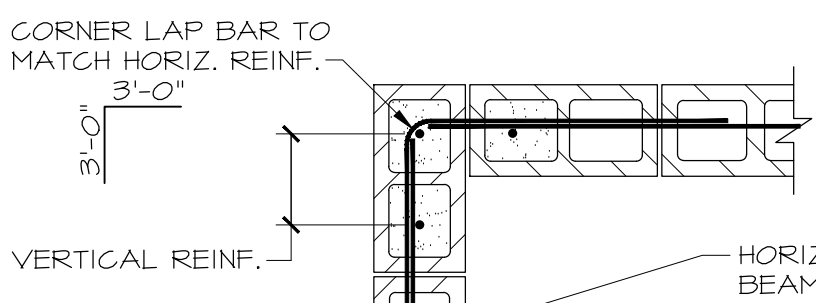
PERPENDICULAR TO FOUNDATION



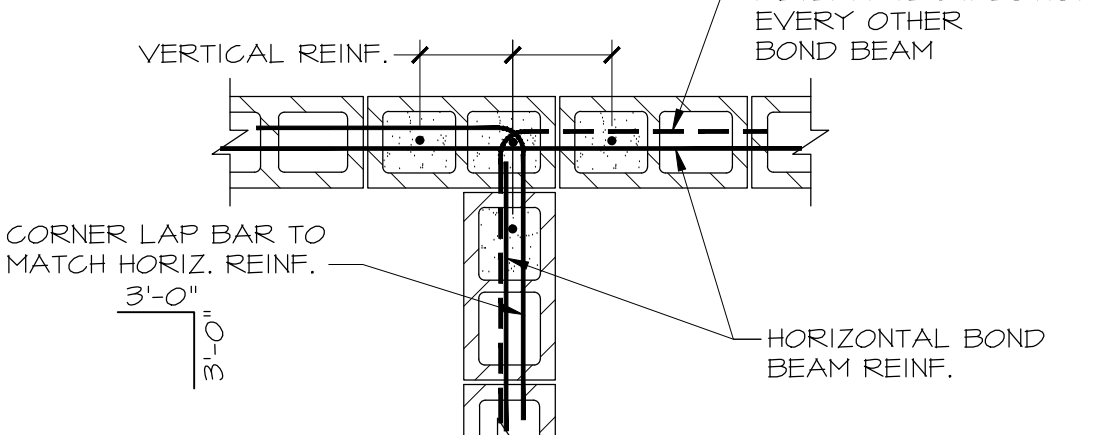
ALLOWABLE TRENCHING & UTILITY PLACEMENT DETAIL



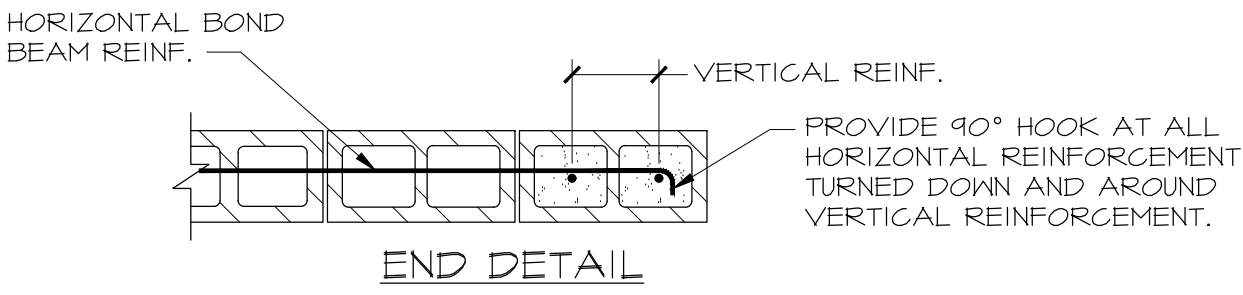
TYPICAL STEPPED FOOTING DETAIL



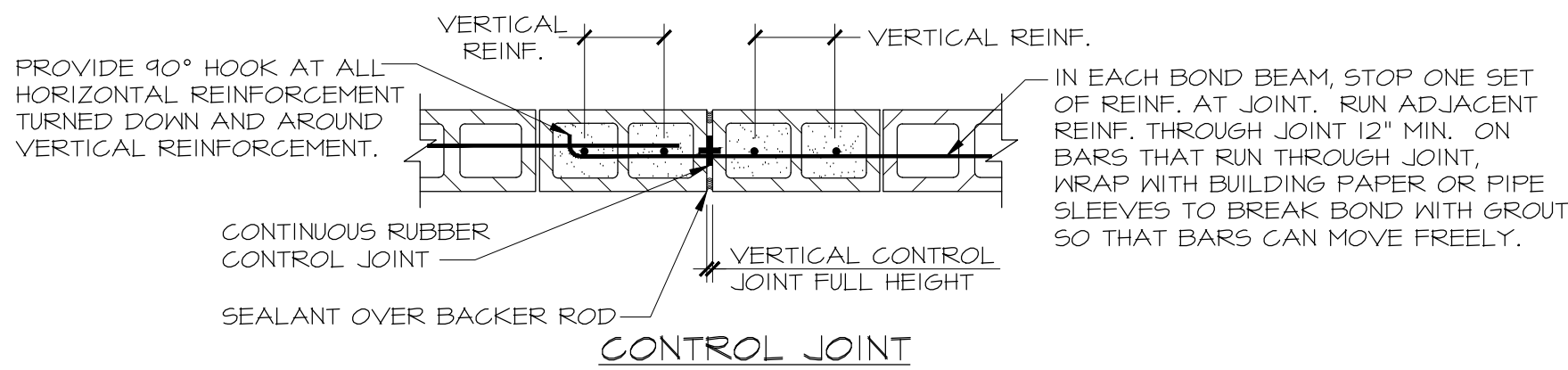
CORNER DETAIL



INTERSECTION DETAIL

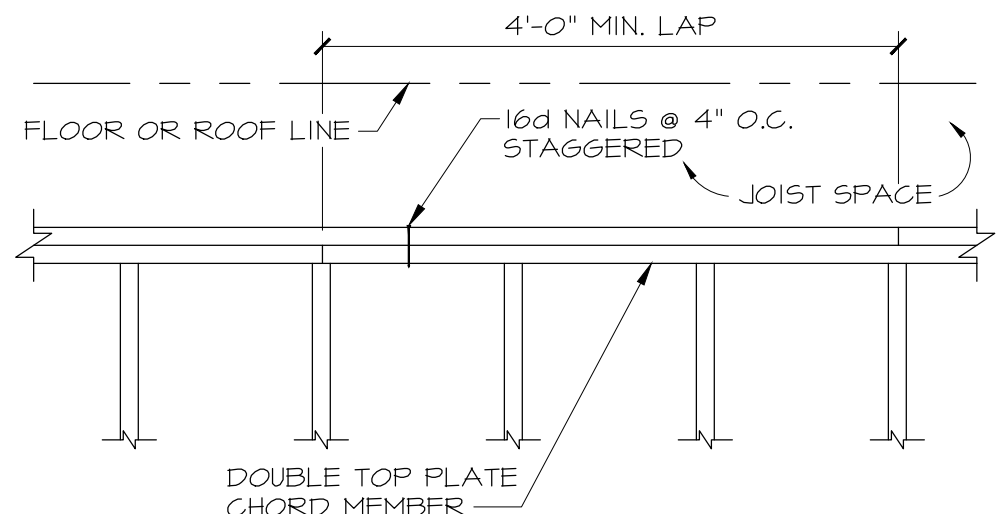


END DETAIL

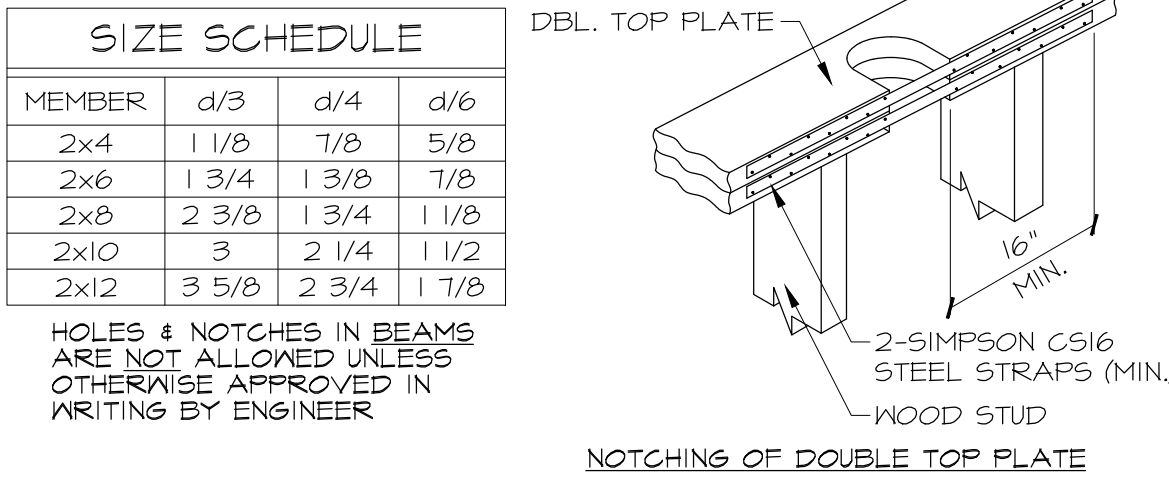
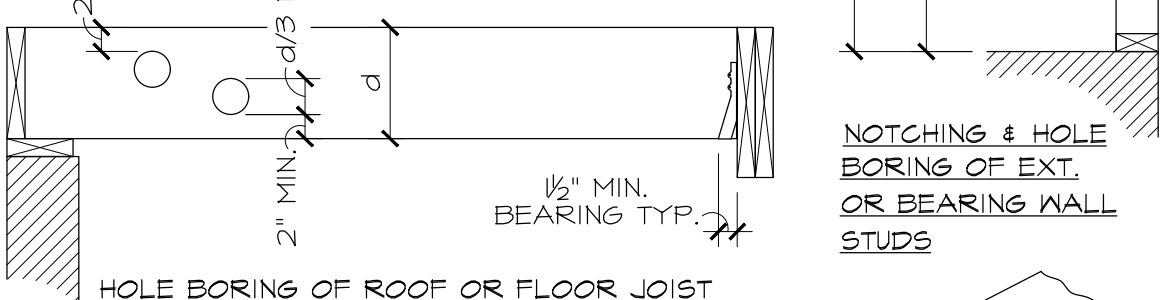
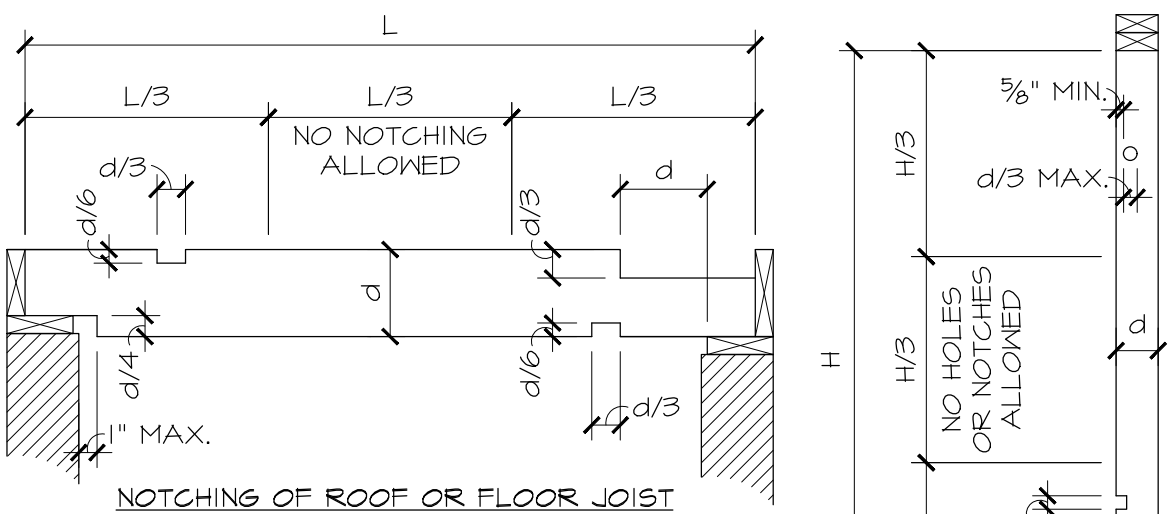


CONTROL JOINT

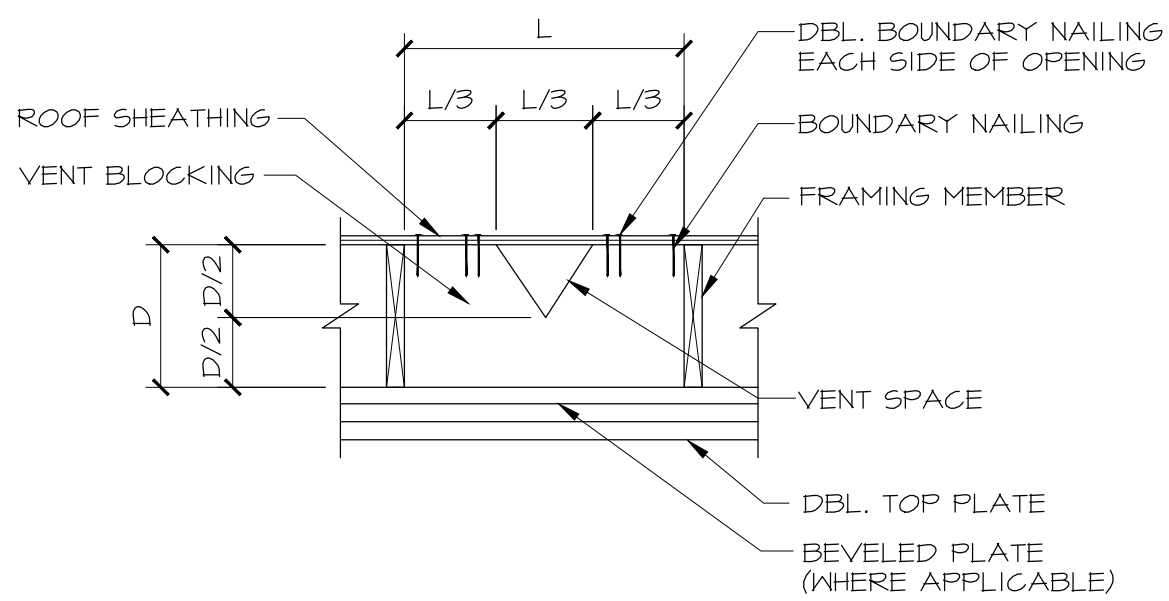
TYPICAL MASONRY DETAILS



LAP SPLICE OF DBL. TOP PLATE

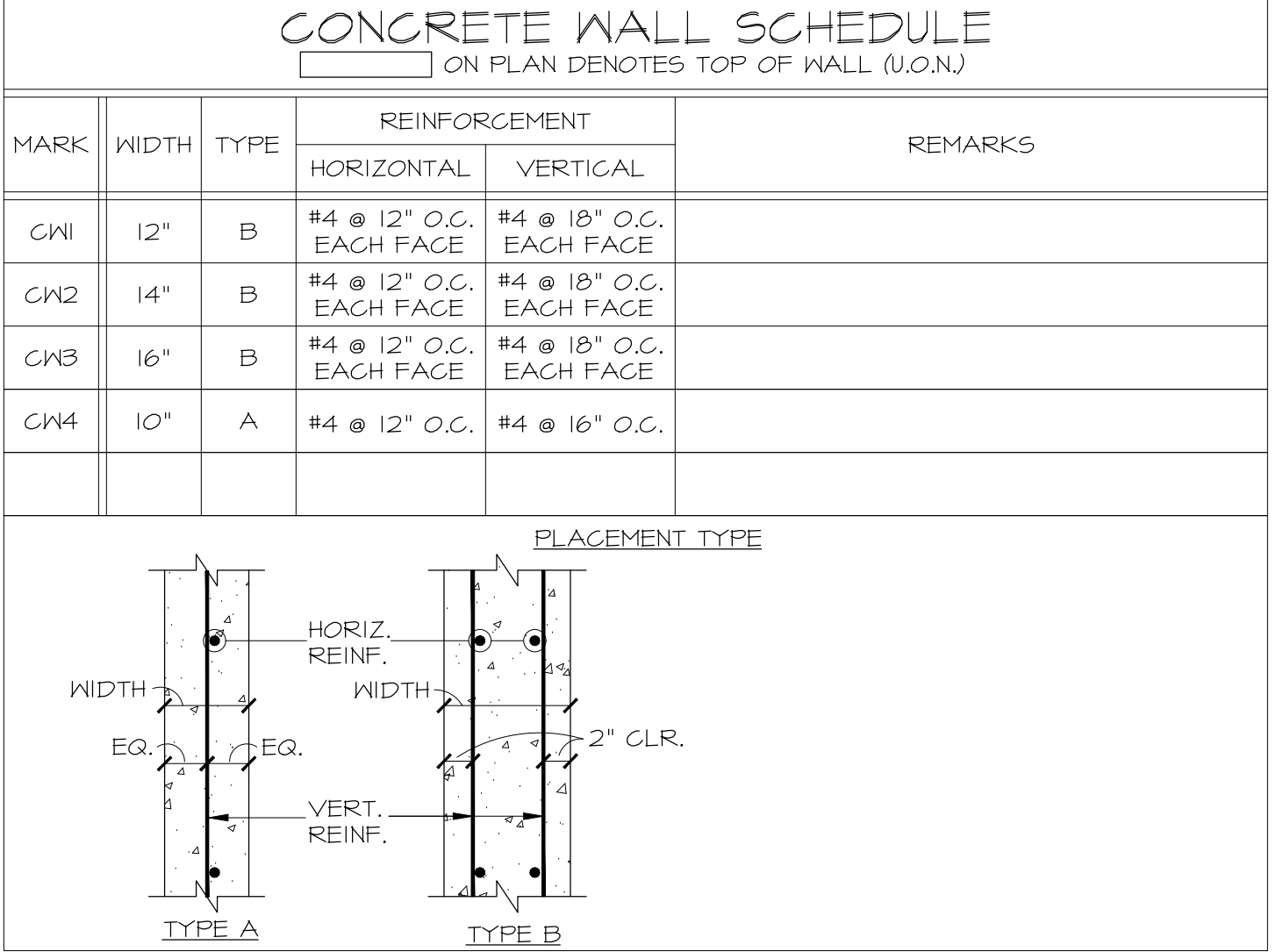
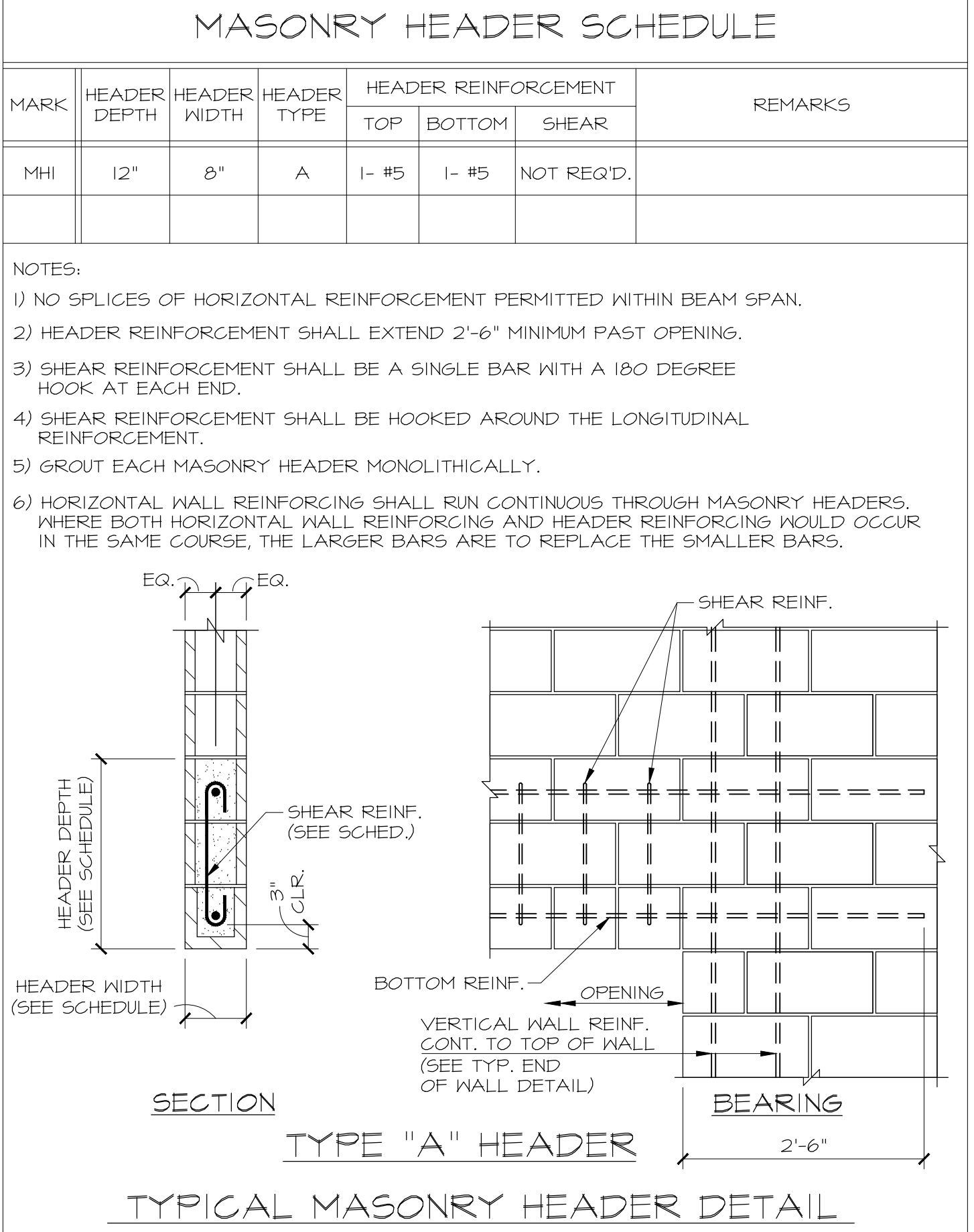
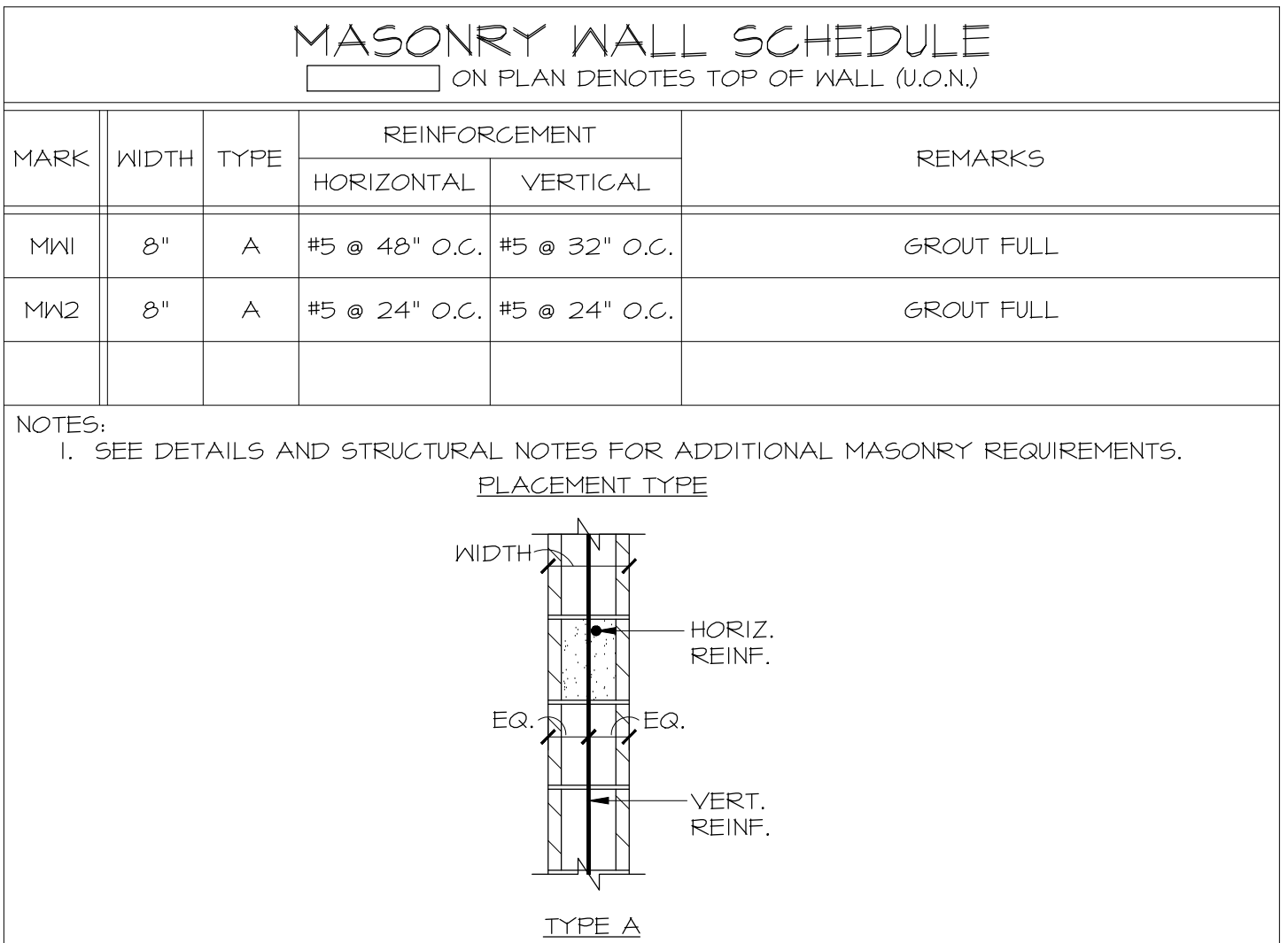
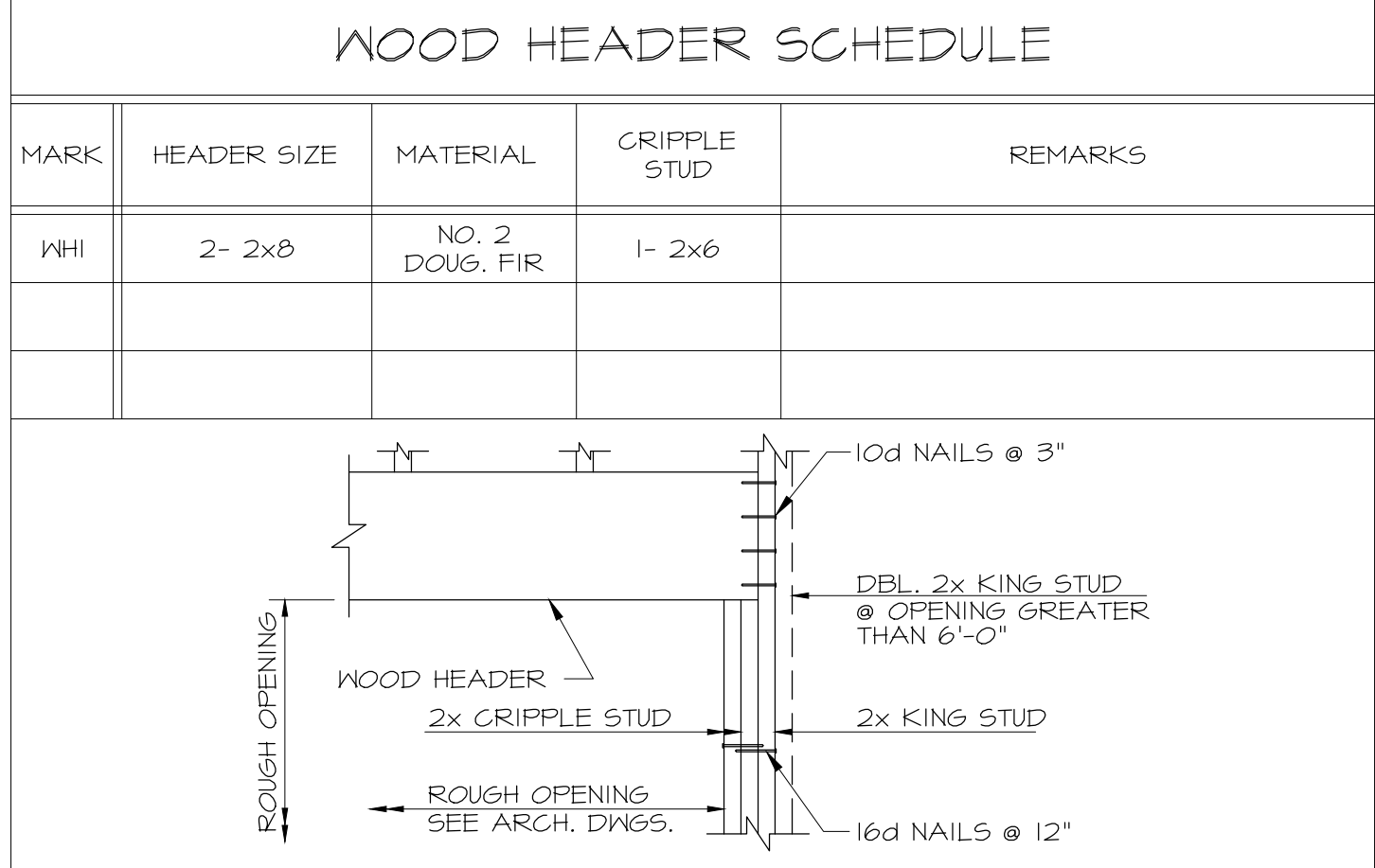
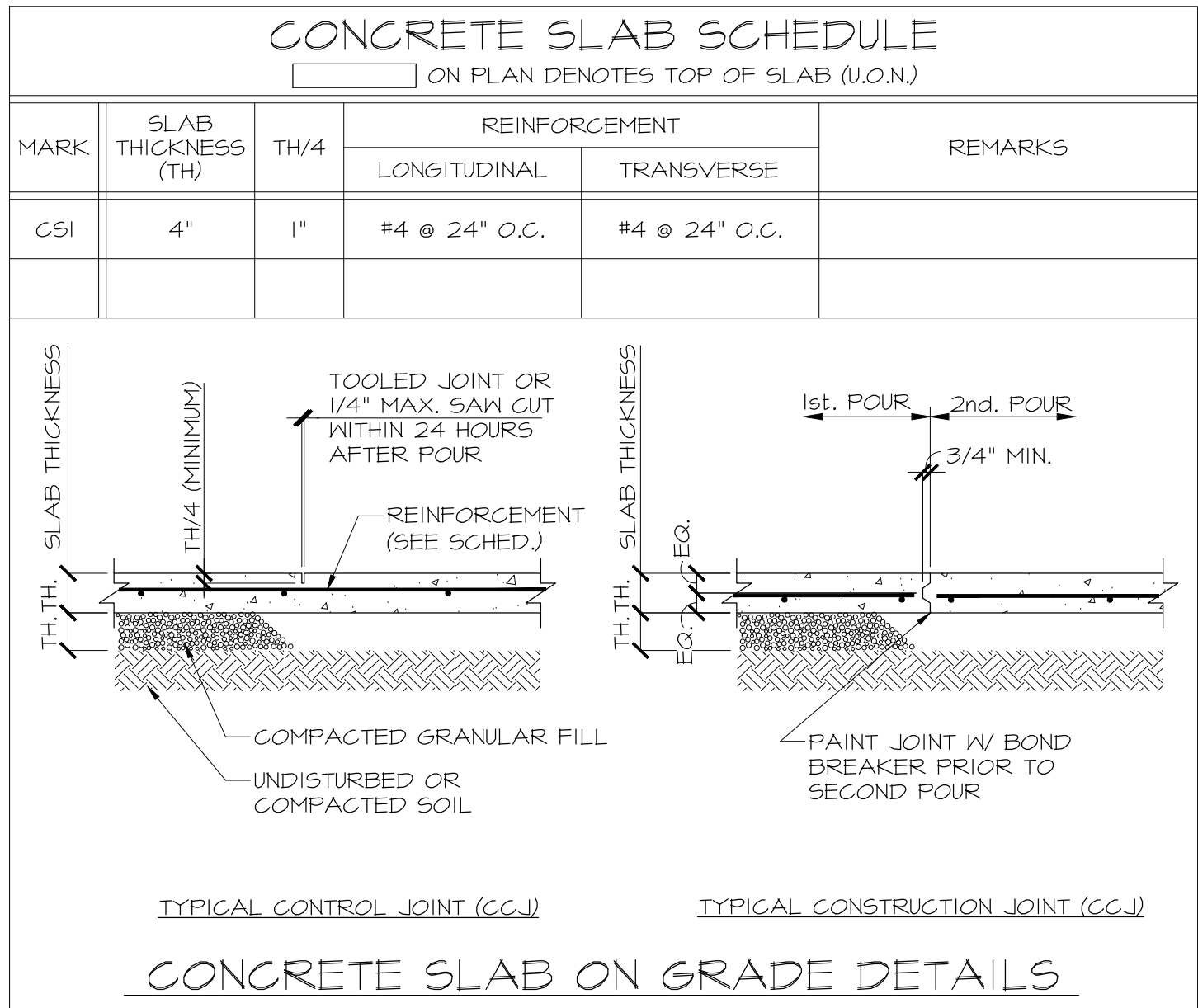


ALLOWABLE PENETRATION IN LIGHT FRAMED 2x LUMBER



SECTION

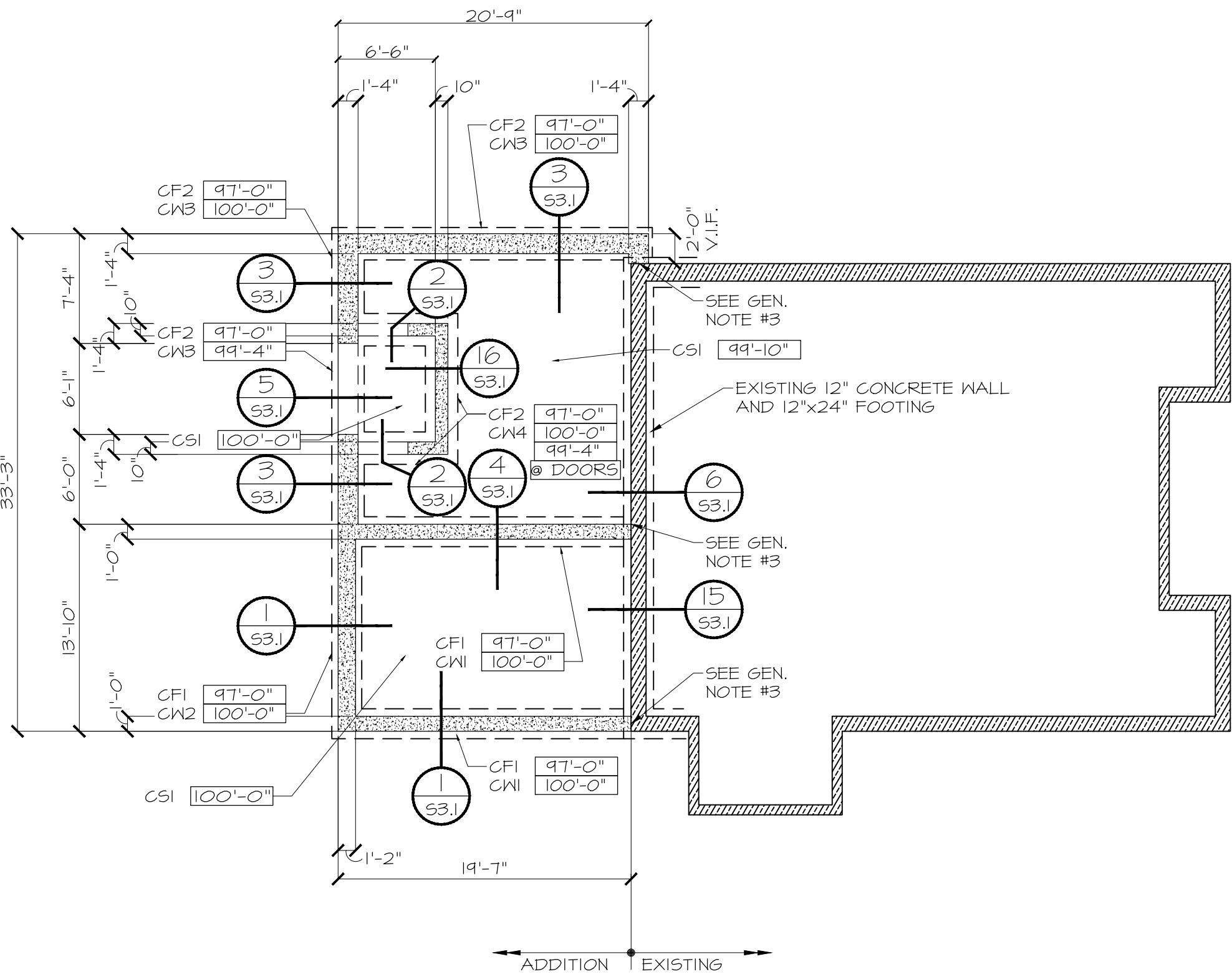
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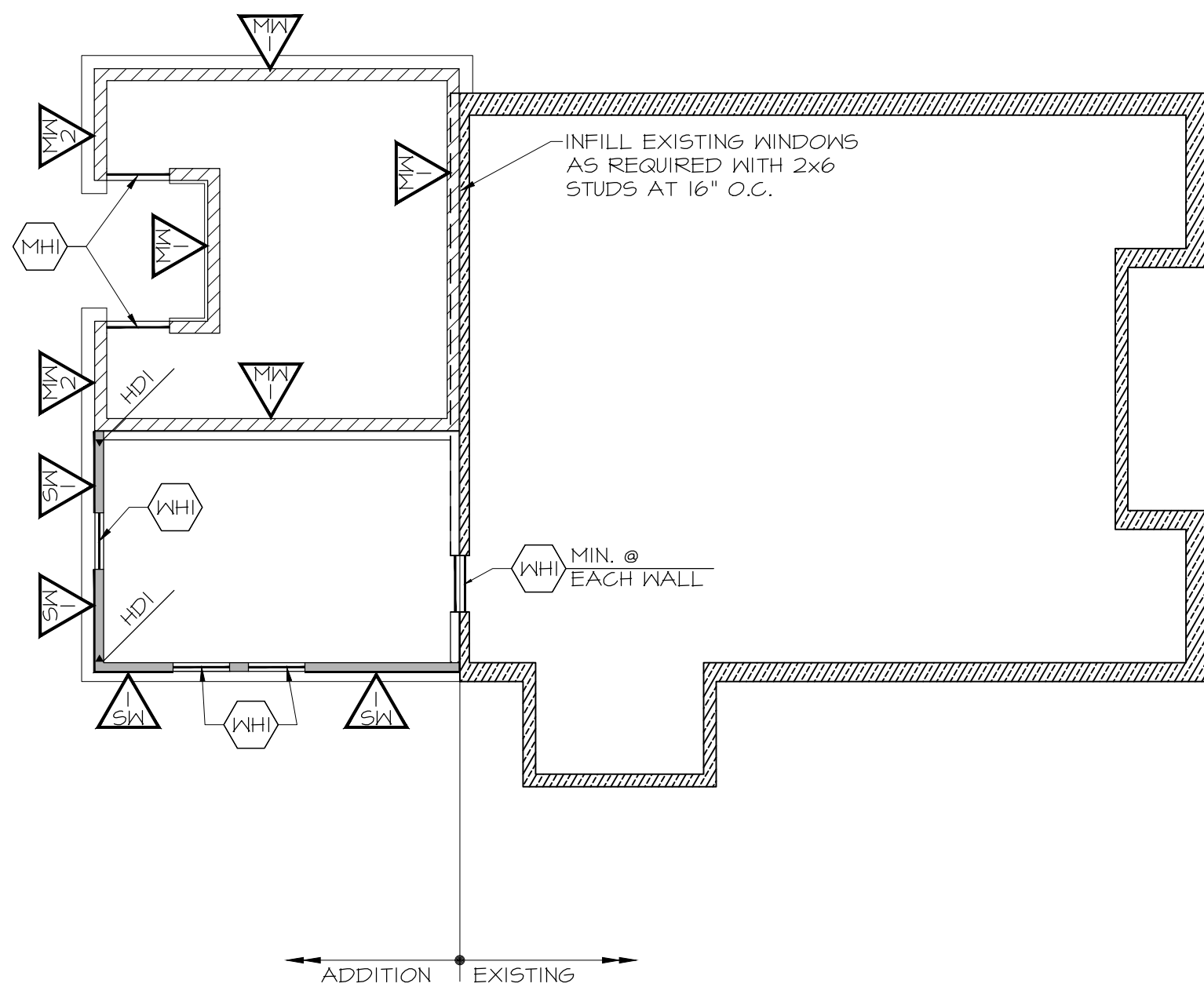
PA#: 1601264
Date: 5/5/2025
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DIVISION OF OCCUPATIONAL & PROFESSIONAL LICENSES

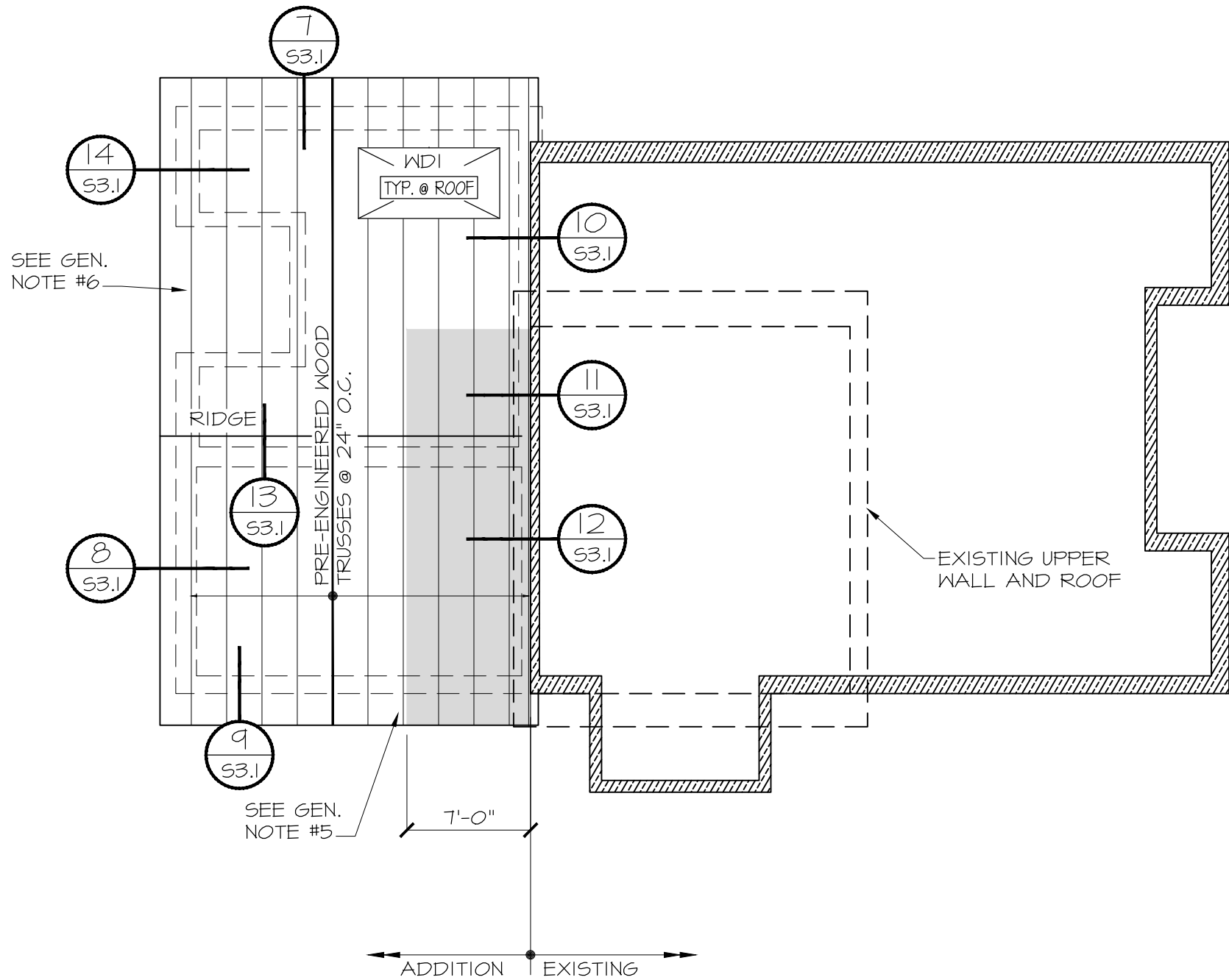
CONCRETE FOOTING SCHEDULE					
[] ON PLAN DENOTES TOP OF FOOTING (U.O.N.)					
MARK	DEPTH	WIDTH	LENGTH	REINFORCEMENT	
				LONGITUDINAL	TRANSVERSE
CF1	12"	2'-0"	CONT.	3- #4 CONT.	-
CF2	12"	2'-2"	CONT.	3- #4 CONT.	-



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



WALL FRAMING PLAN
SCALE: 1/8" = 1'-0"



ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES

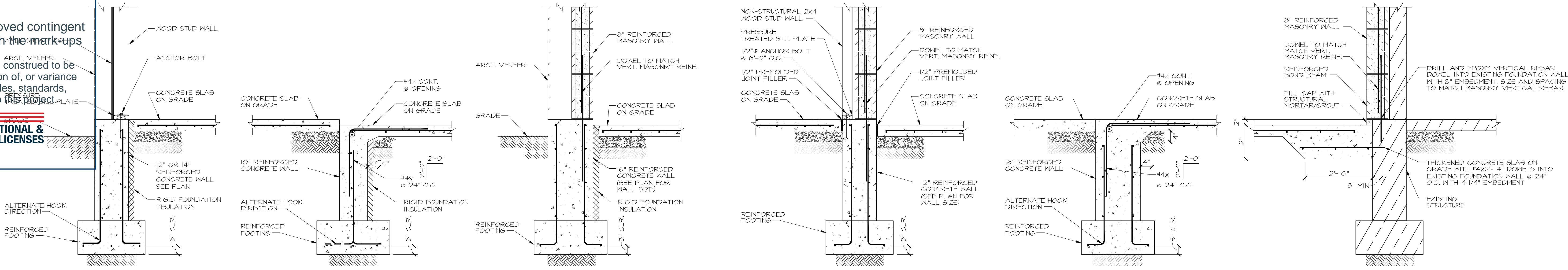
- For marked description items on Plan see legend on sheet S1.1.
- See Architectural Drawings for dimensions and roof slopes not shown.
- All horizontal rebar in walls and footings to be drilled and epoxied into existing foundation. Use Simpson AT-XP anchoring system w/ 4 1/4" minimum embedment or equivalent.
- See Foundation Plan and Wall Framing Plan for embeds @ top of concrete walls or piers.
- Design trusses for an additional 35 psf snow drift load at shaded area.
- Design Gable wall truss to span over wall opening without continuous wall support below @ door.

REVISIONS

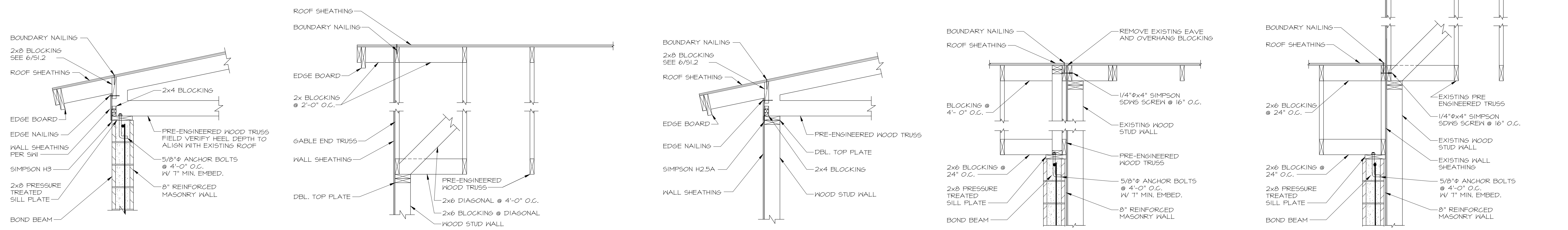
PA#: 1601264
Date: 5/5/2025
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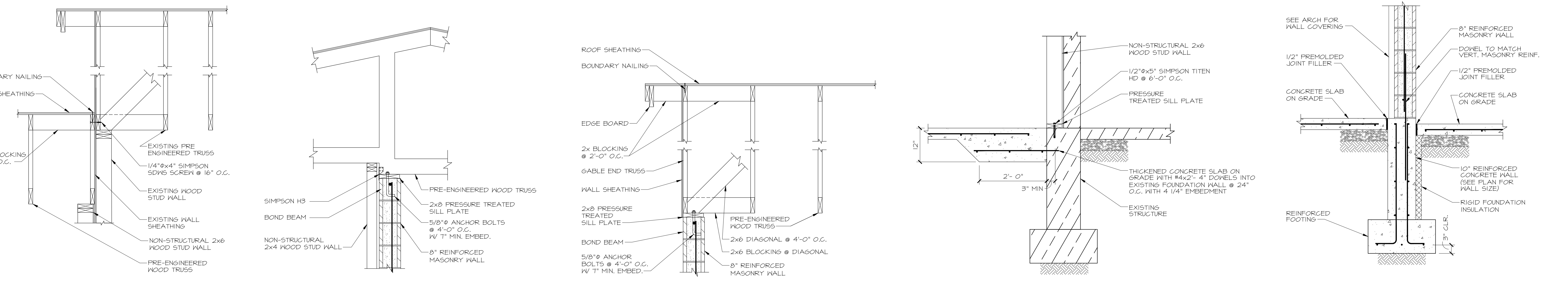
DOPL



SECTION 1 SCALE : 3/4" = 1'-0" SS.1
SECTION 2 SCALE : 3/4" = 1'-0" SS.1
SECTION 3 SCALE : 3/4" = 1'-0" SS.1
SECTION 4 SCALE : 3/4" = 1'-0" SS.1
SECTION 5 SCALE : 3/4" = 1'-0" SS.1
SECTION 6 SCALE : 3/4" = 1'-0" SS.1



SECTION 7 SCALE : 3/4" = 1'-0" SS.1
SECTION 8 SCALE : 3/4" = 1'-0" SS.1
SECTION 9 SCALE : 3/4" = 1'-0" SS.1
SECTION 10 SCALE : 3/4" = 1'-0" SS.1
SECTION 11 SCALE : 3/4" = 1'-0" SS.1



SECTION 12 SCALE : 3/4" = 1'-0" SS.1
SECTION 13 SCALE : 3/4" = 1'-0" SS.1
SECTION 14 SCALE : 3/4" = 1'-0" SS.1
SECTION 15 SCALE : 3/4" = 1'-0" SS.1



SECTION 16 SCALE : 3/4" = 1'-0" SS.1
SECTION 17 SCALE : 3/4" = 1'-0" SS.1



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DPW 2021605 IDVS
CEMETERY PROJECTS: ADMINISTRATION BLDG ADDITION
DPW 2021-605
BLACKFOOT, IDAHO
STRUCTURAL SECTIONS

PROJECT:
SHEET TITLE:

REVISIONS

NBW PROJECT NO.: 24015
DATE: JANUARY 2025
DRAWN BY: DW
CHECKED BY: MA
DRAWING NO.:

G&S STRUCTURAL ENGINEERS
505 LINDSAY BOULEVARD
IDAHO FALLS, IDAHO 83402
PHONE: (208) 523-6918
E-MAIL: g@sstructural.com COPYRIGHT 2024
PROJECT NUMBER: 24122
DRAFTER: DW DESIGNER: MA CHECKER: MA

S3.1

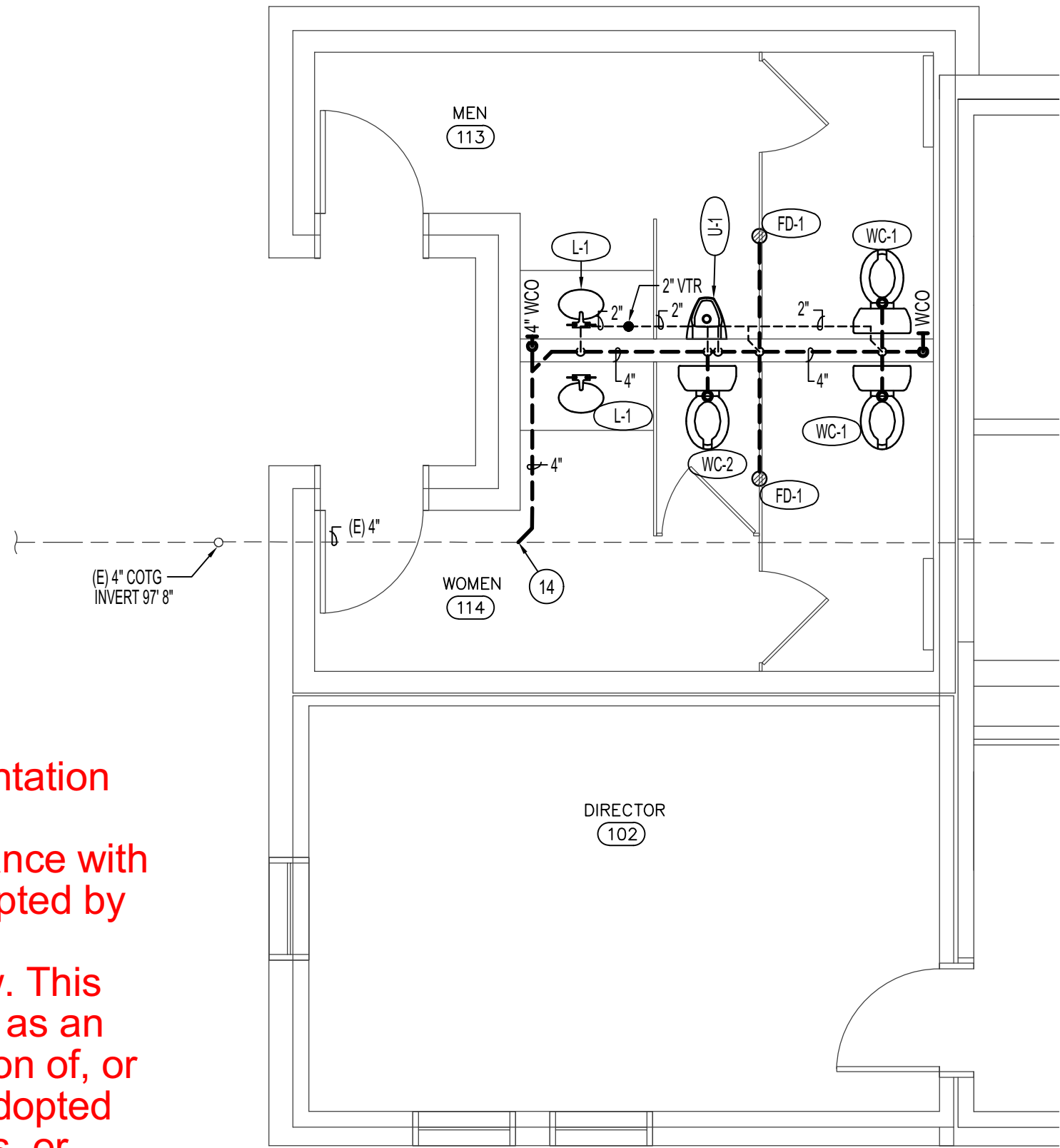
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DIVISION OF OCCUPATIONAL & PROFESSIONAL LICENSES

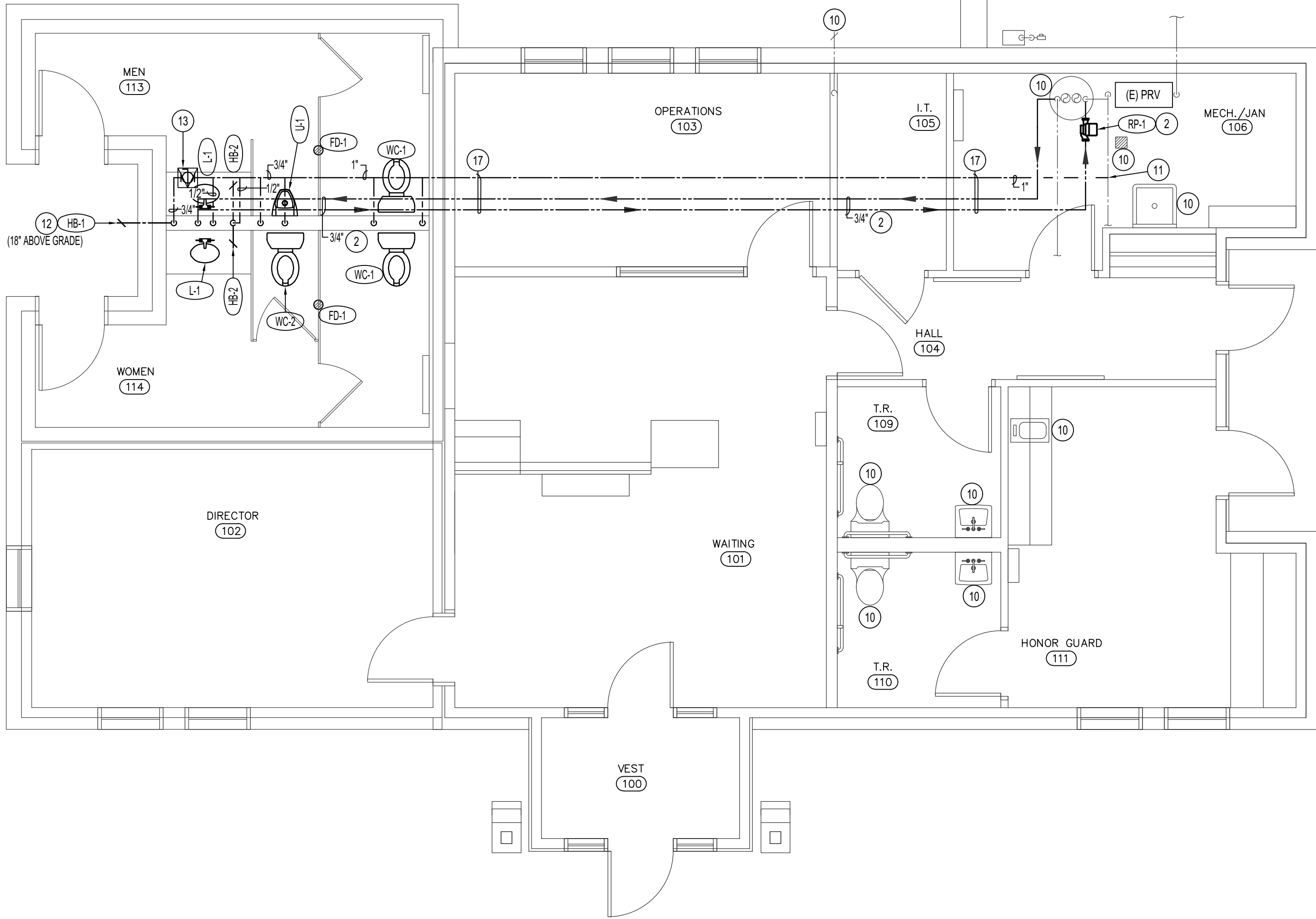


The stamped documentation has been reviewed for compliance in accordance with the 2017 ISPC as adopted by the state of Idaho by a Plumbing Plan Review. This shall not be construed as an approval of any violation of, or variance from Idaho adopted codes, laws, standards, or rules. Final approval will be based upon on-site Plumbing inspections to field verify compliance.



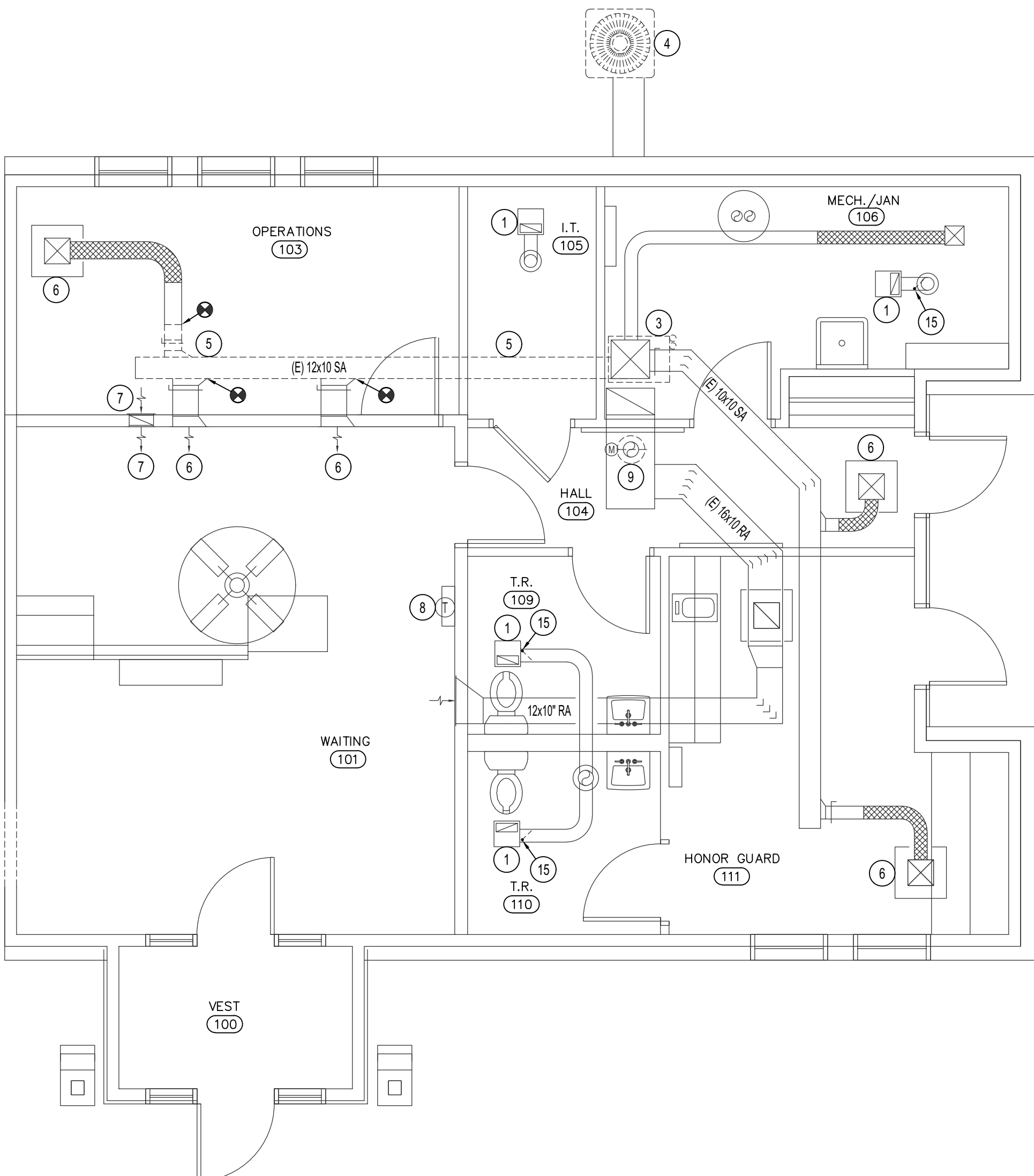
WASTE & VENT FLOOR PLAN

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



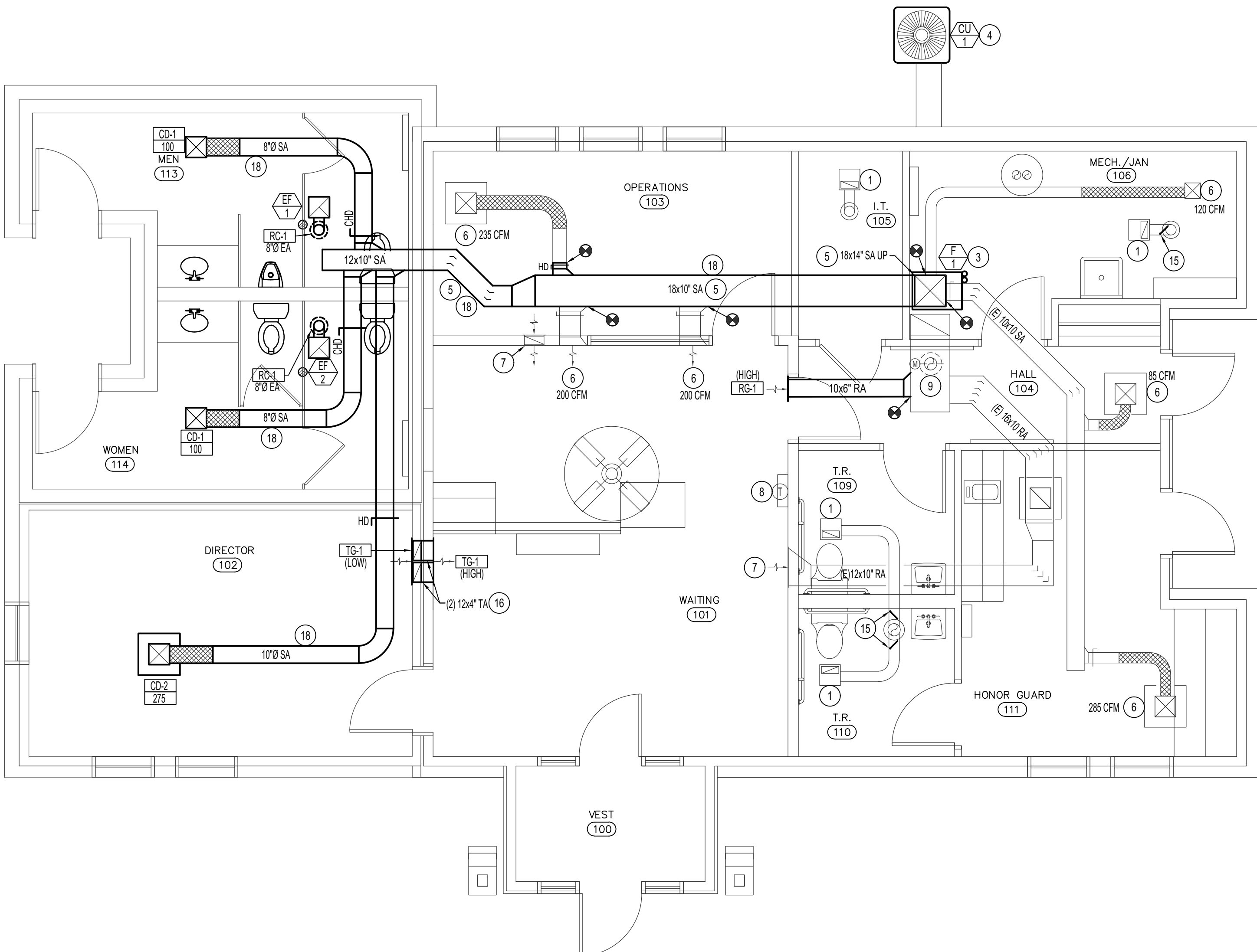
WATER FLOOR PLAN

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



MECHANICAL FLOOR PLAN - DEMOLITION

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



MECHANICAL FLOOR PLAN

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



PLAN NOTES:

- 1 EXHAUST FAN TO REMAIN. PROTECT DURING CONSTRUCTION.
- 2 PROVIDE AND INSTALL HOT WATER RECIRCULATION LOOP AND RE-CIRC. PUMP. ROUTES AS SHOWN ON PLANS ARE FOR CLARITY. HOT WATER LOOP TO BE WITHIN 2 FT OF FIXTURE. FIELD VERIFY EXISTING CONDITIONS.
- 3 REMOVE EXISTING FURNACE AND REPLACE WITH NEW. DISCONNECT AND RE-CONNECT DUCTWORK, REFRIGERATION, AND FLUES AS REQUIRED. COORDINATE WITH PLUMBING TO DISCONNECT AND RE-CONNECT GAS AND CONDENSATE. RETURN EXISTING FURNACE TO OWNER.
- 4 REMOVE EXISTING CONDENSING UNIT AND REPLACE WITH NEW. PUMP DOWN REFRIGERANT AND PROPERLY DISPOSE OF. SEE CONTRACTOR OPTION ON THIS SHEET FOR REFRIGERANT PIPING INFORMATION.
- 5 REMOVE EXISTING DUCTWORK AS SHOWN AND REPLACE WITH NEW.
- 6 EXISTING DIFFUSER TO REMAIN. BALANCE TO CFM AS INDICATED ON PLANS.
- 7 EXISTING RETURN/TRANSFER GRILLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- 8 EXISTING THERMOSTAT TO REMAIN. MODIFY WIRING AS NECESSARY FOR NEW FURNACE.
- 9 EXISTING 8"Ø OUTSIDE AIR DUCTWORK AND ASSOCIATED MOTORIZED DAMPER AND ROOF CAP TO REMAIN. BALANCE OUTSIDE AIR TO 180 CFM. FIELD VERIFY EXISTING CONDITIONS.
- 10 EXISTING FIXTURE TO REMAIN. PROTECT DURING CONSTRUCTION.
- 11 TIE 1 INCH COLD WATER LINE TO NEAREST EXISTING EQUIVALENT IN THIS MECHANICAL ROOM.
- 12 SLOPE 3/4" WATER LINE IN DIRECTION OF HOSE BIBB TO DRAIN FOR WINTERIZATION.
- 13 PROVIDE AND INSTALL SHUTOFF VALVE IN CEILING SPACE WITH 12x12" LOCKABLE ACCESS BOX. LABEL VALVE "OUTSIDE HOSE BIBB".
- 14 TIE NEW WASTE LINE TO NEARBY EXISTING IN THIS APPROXIMATE LOCATION. FIELD VERIFY EXISTING CONDITIONS.
- 15 REMOVE EXISTING BACKDRAFT DAMPER ON EXISTING EXHAUST FAN. INSTALL NEW BACKDRAFT DAMPER WITH NEOPRENE GASKET AS CLOSE TO ROOF AS POSSIBLE. FIELD VERIFY EXISTING CONDITIONS.
- 16 INSTALL TRANSFER AIR DUCT BETWEEN JOISTS AND WITHIN THE WALL CAVITY.
- 17 INSTALL ALL WATER PIPING ABOVE THE CEILING AND BELOW THE INSULATION WITHIN BUILDING ENVELOPE.
- 18 INSTALL DUCTWORK ABOVE THE CEILING AND BELOW THE INSULATION WITHIN BUILDING ENVELOPE IF POSSIBLE. PROVIDE 3" OF DUCT WRAP INSULATION FOR ALL DUCTS OUTSIDE OF THE BUILDING ENVELOPE.

CONTRACTOR OPTION:

CONTRACTOR TO VERIFY EXISTING CONDITION OF REFRIGERANT PIPING. IF PIPING IS FOUND TO BE IN GOOD CONDITION WITH NO LEAKS, CONTRACTOR CAN RE-USE EXISTING PIPING INSTEAD OF INSTALLING NEW PIPING. IF EXISTING PIPING IS RE-USED, CONTRACTOR MUST CLEAN AND PURGE LINES USING R454B/R32 REFRIGERANT IS INSTALLED AND NEW CONDENSING UNITS AND COILS CONNECTED. EXISTING LINES MUST HOLD PRESSURE AND DEMONSTRATE INTEGRITY THROUGH-OUT SYSTEM.

GENERAL NOTES:

- A- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- B- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- C- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- D- CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- E- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACOUSTICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.



Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
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EMAIL: esa@engsys.com
ESA JOB NUMBER: 23109

DPW 2021605 IDVS

CEMETERY PROJECTS: ADMINISTRATION BLDG ADDITION

DPW PROJECT NO. 2021-605
BLACKFOOT, IDAHO

PLUMBING/MECHANICAL FLOOR PLAN

PROJECT:

REVISIONS

DATE: JANUARY 2025
DRAWN BY: TO
CHECKED BY: DH

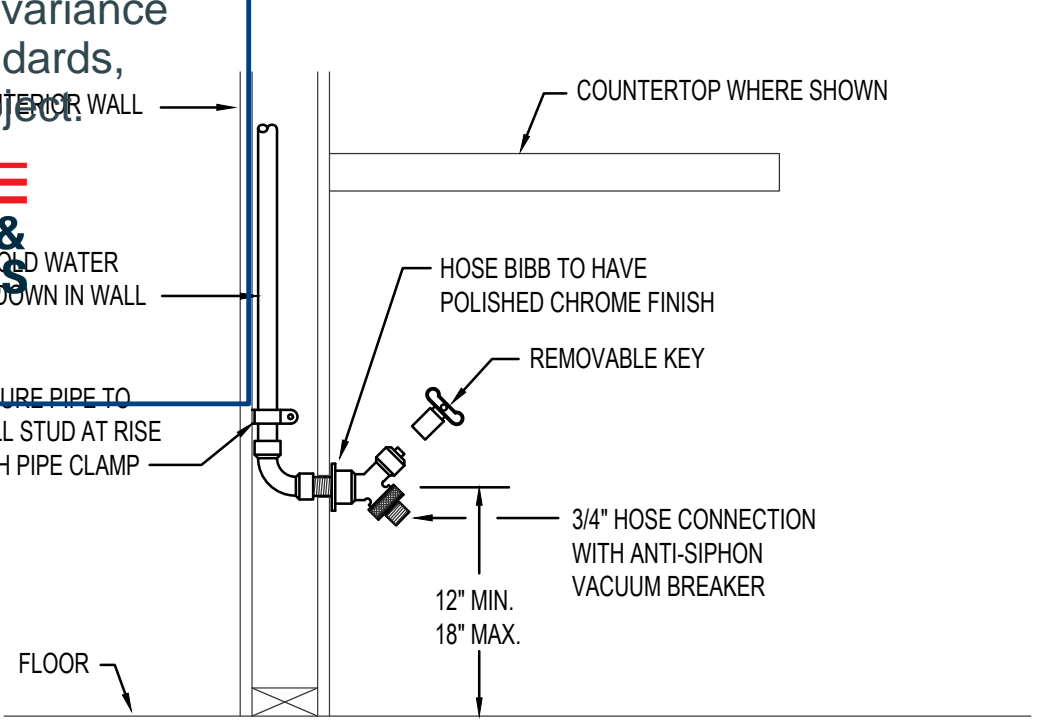
DRAWING NO.:

MP1.1

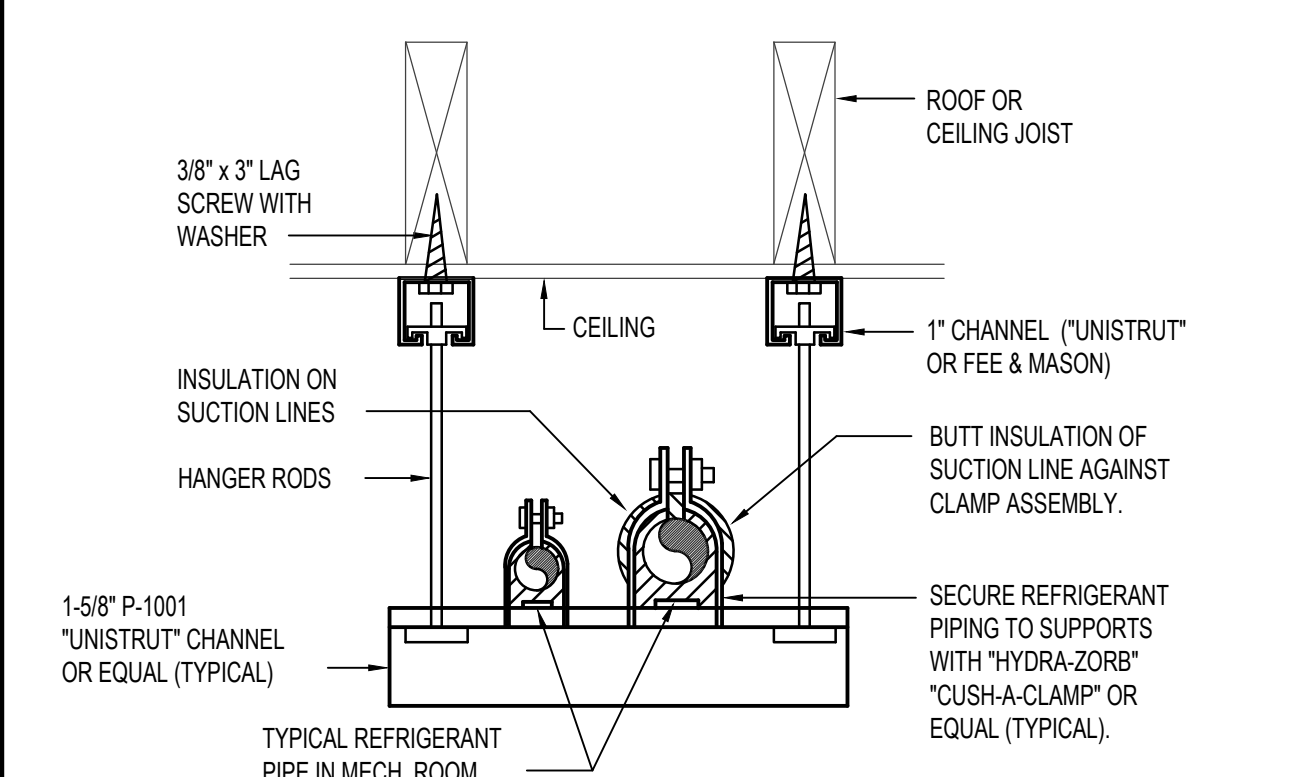
PA#: 1601264
Date: 5/5/2025
These plans are approved contingent on the compliance with the mark-ups and notes applied.
This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

DIVISION OF OCCUPANCIAL & PROFESSIONAL LICENSES

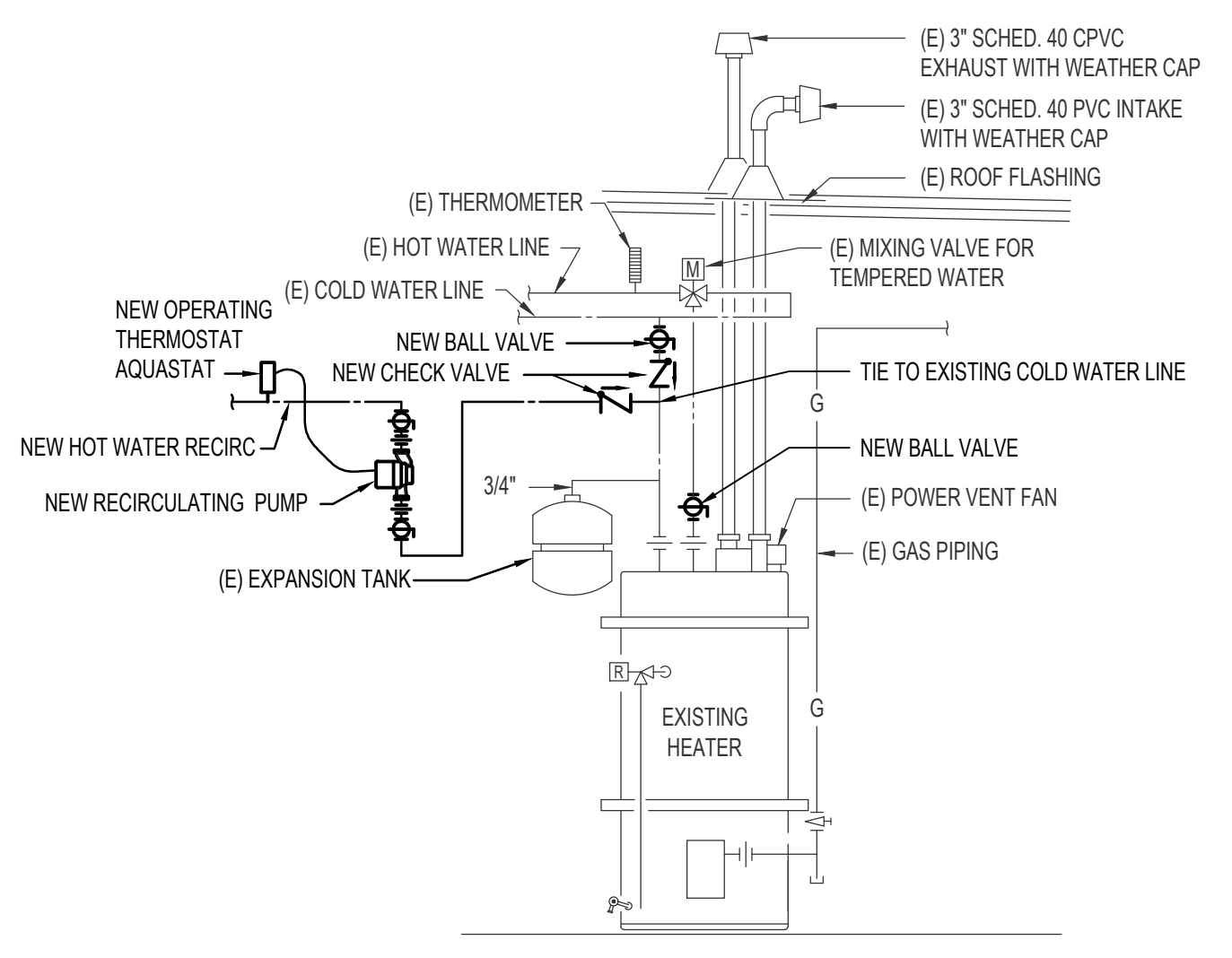
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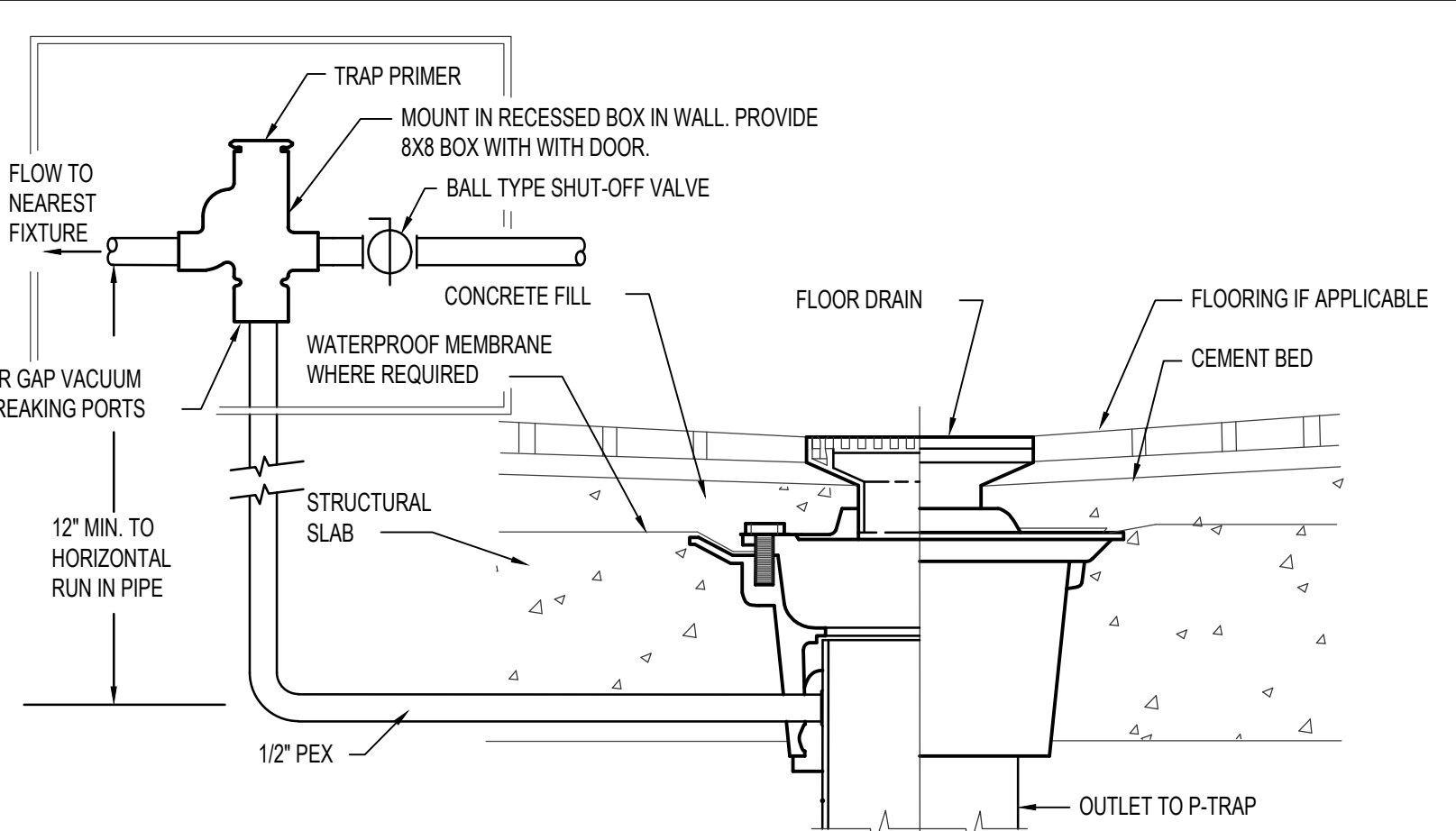
INTERIOR HOSE BIBB DETAIL
NO SCALE



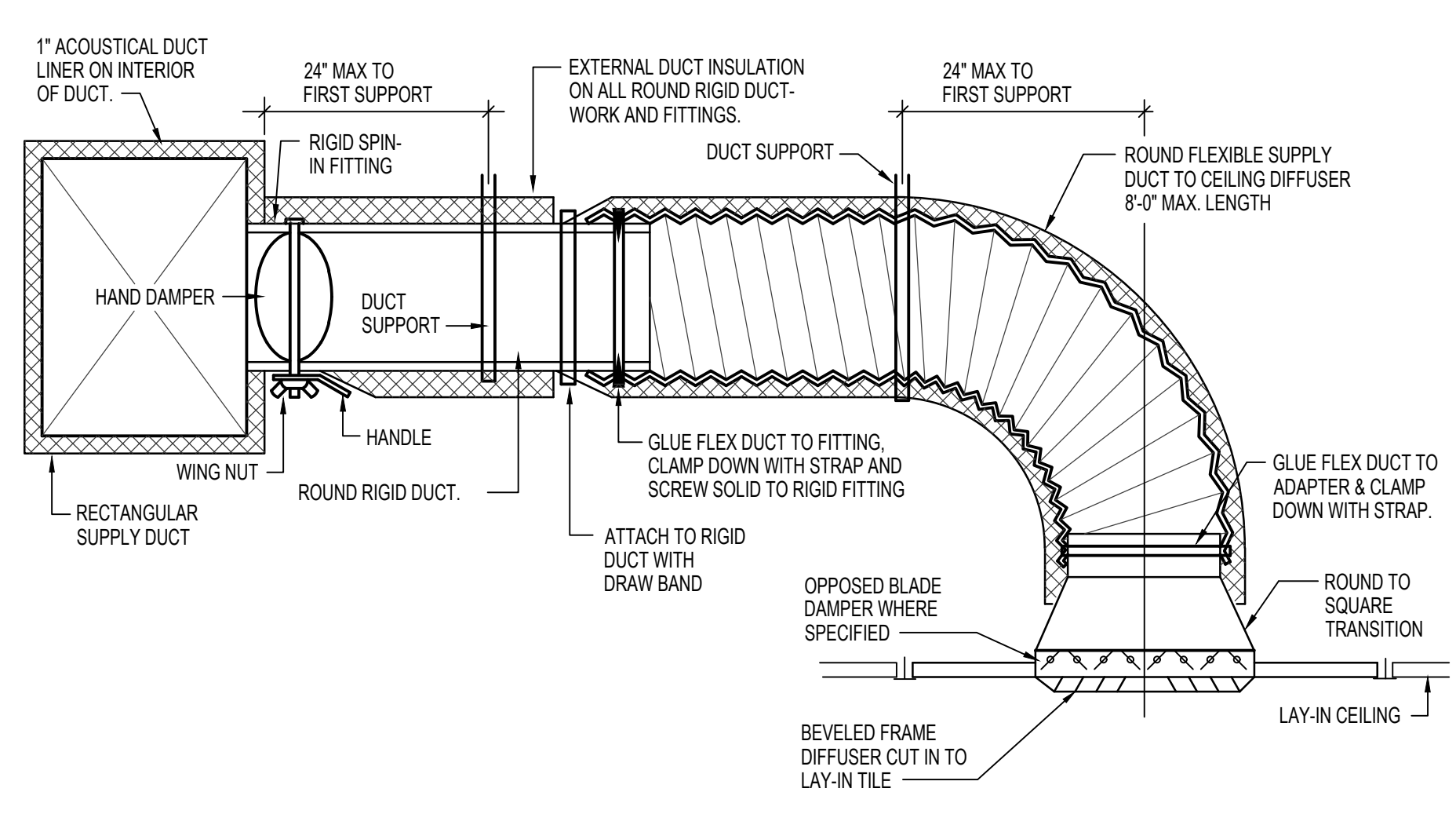
SUSPENDED PIPE SUPPORT
NO SCALE



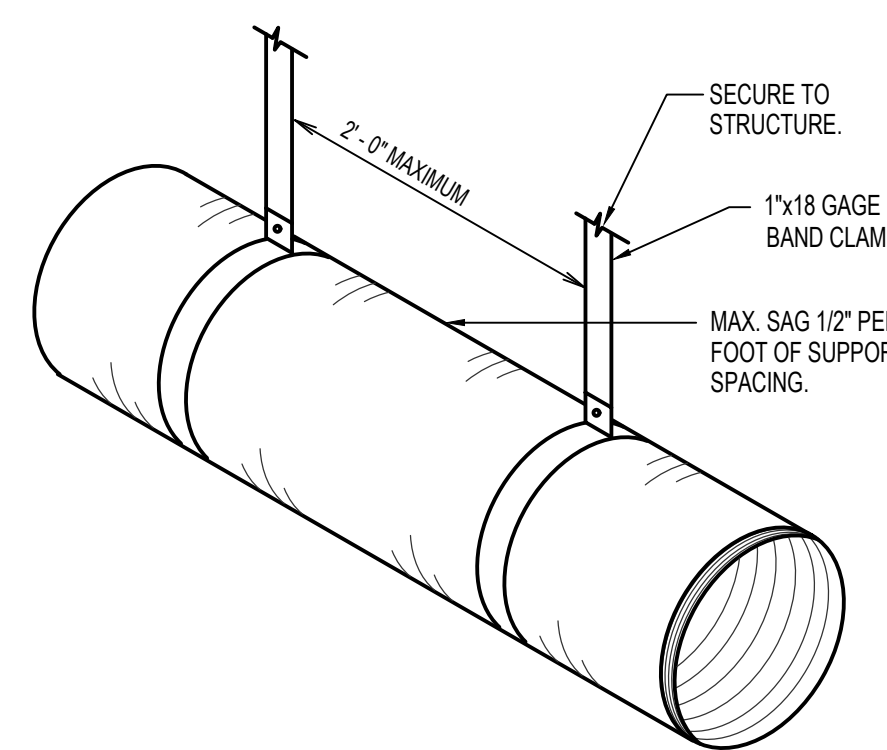
HOT WATER RE-CIRCULATION PUMP RETROFIT DIAGRAM
NO SCALE



TRAP PRIMER DETAIL
NO SCALE

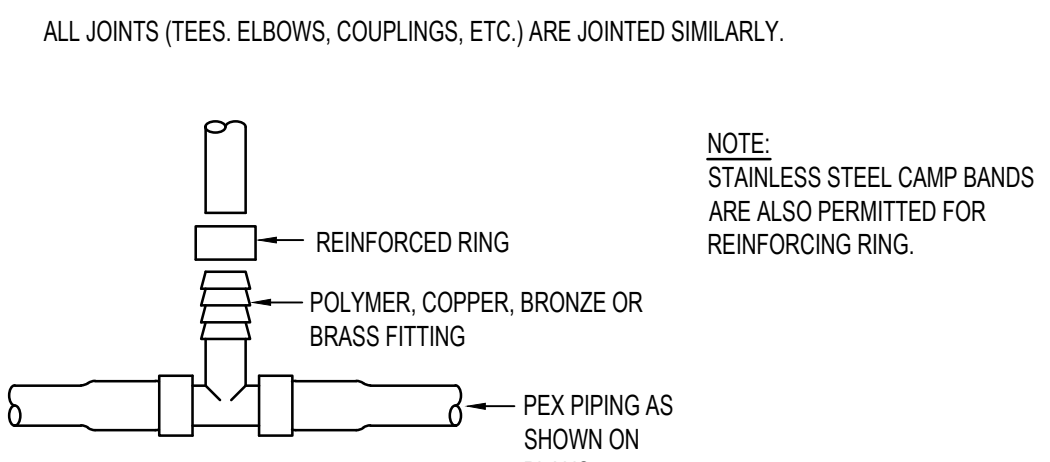


CEILING DIFFUSER DETAIL WITH FLEXIBLE DUCT
NO SCALE



FLEXIBLE DUCT SUPPORT DETAIL
NO SCALE

THIS TYPE (COLD EXPANSION) OF FITTING REQUIRES THAT THE PEX PIPING, WITH REINFORCING PEX RING PLACED OVER THE END OF THE PIPE, IS EXPANDED BEFORE THE FITTING IS INSERTED INTO THE PIPE END. THE EXPANDED PIPE END IS ALLOWED TO RETRACT ONTO THE FITTING TO FORM THE SEAL. THE MEMORY OF THE PIPE ALLOWS IT TO TIGHTEN OVER THE FITTING. AN EXPANDER TOOL IS REQUIRED TO EXPAND THE PIPE AND THE PEX RING TOGETHER.



PEX PIPE FITTING DETAILS
NO SCALE

MIN. CLEARANCES

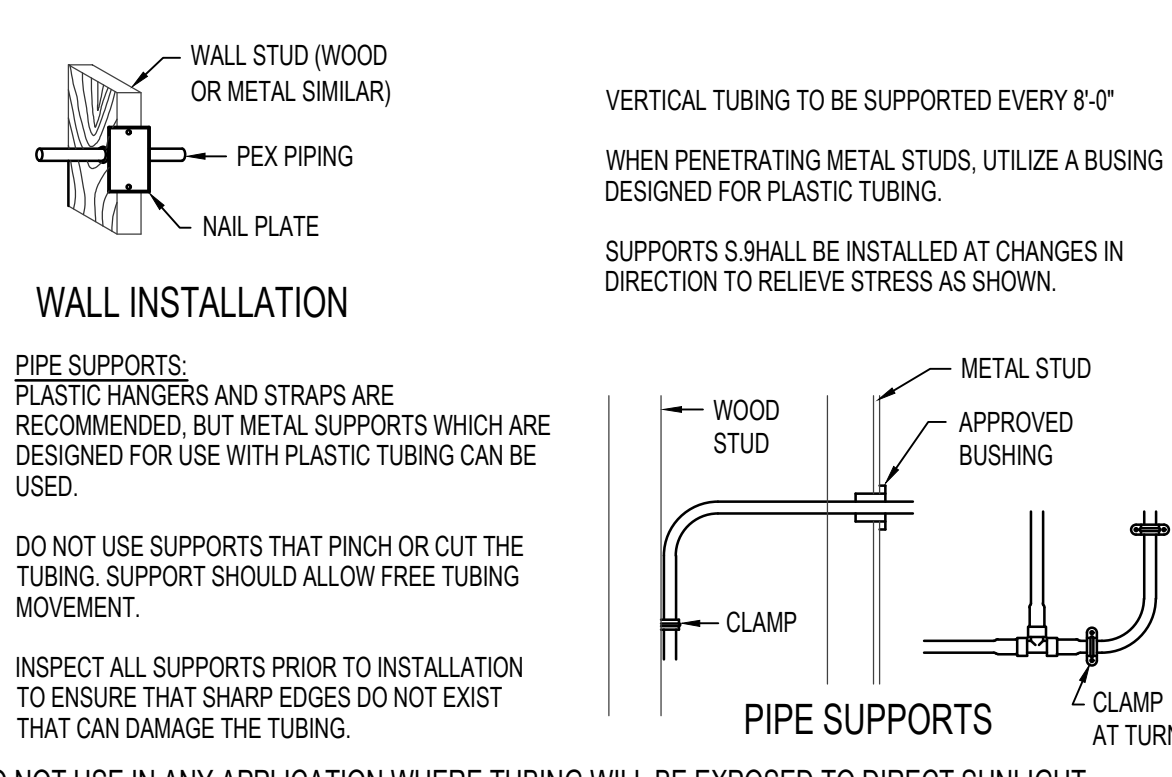
TUBING SIZE	MIN. RADIUS BENDING
3/8"	4"
1/2"	5"
3/4"	7"
1"	9"

KEEP TUBING A MINIMUM OF 12" VERTICALLY OR 6" HORIZONTALLY FROM SOURCES OF HIGH HEAT SUCH AS LIGHT FIXTURES, FLUES OR HEATING EQUIPMENT.


NOTE: USE ONLY CONTINUOUS LENGTH TUBING (NO FITTINGS) WHEN INSTALLING PEX UNDER OR WITHIN A SLAB. PROTECT PEX TUBING WITH NONMETALLIC SLEEVES WHERE IT PENETRATES A SLAB OR FOUNDATION WALL.

DO NOT CRUSH OR KINK TUBING

PEX PIPE HANDLING DETAILS
NO SCALE



PEX PIPE INSTALLATION DETAILS
NO SCALE

FURNACE AND DX COOLING COIL SCHEDULE																							
SYM.	TYPE	C.F.M.	O.A. C.F.M.	SP _e	H.P.	CHAR.	A.G.A.			E.A.T.	L.A.T.	GAS TYPE	DX COOLING COIL				PIPING SIZES				REMARKS		
							INPUT	OUTPUT	@ ELEV.				B.T.U.	E.A.T.	L.A.T.	MAX. P.D.	LIQUID C.D.	SUCTION C.D.	NAT GAS	INTAKE		EXHAUST	
	UPFLOW	1600	180	0.5"	1	120/601	110,000	107,200	87,900	65°F	105°F	NAT	48,000	75°F	55°F	25"	SEE C. UNIT SCHED.	SEE C. UNIT SCHED.	3/4"	3/4"	2" PVC	2" PVC	LENNOX ML196UH110XE60C WITH FULLY CASED R-454B DX COIL TO MATCH FURNACE AND VERTICAL VENT TERMINAL ASSEMBLY.

CONDENSING UNIT SCHEDULE

SYM.	BTU	EAT	CHAR.	MCA	MOCP	SEER	REFR.	WEIGHT	PIPE SIZING*		REMARKS
									LIQUID	SUCTION	
CU-1	48,000	95°F	208/601	24.8	40	13.0	R-454B	218 lbs	3/8"	7/8"	LENNOX MODEL ML14XC1-048 WITH 0°F LOW AMBIENT HARD START KIT

*SEE MANUFACTURER SIZING RECOMMENDATIONS FOR REFRIGERANT PIPING FOR ACTUAL INSTALLED LENGTH OF PIPING.

GRILLE AND REGISTER SCHEDULE

SYM.	TYPE	SIZE	CFM RANGE	THROW PATTERN	CONSTR.	FINISH	MAX NC	REMARKS
CG-1	CEILING	9x9	100	2	STEEL	WHITE	20	PRICE MODEL SMD IN BEVELED FRAME
CG-2	CEILING	9x9	275	3	STEEL	WHITE	20	PRICE MODEL SMD IN 24x24 LAY-IN MODULE.
RC-1	ROOF CAP	8"x8"	140	NA	ALUM	ALUM	N/A	TWIN CITY MODEL 644 SLOPPED ROOF CAP WITH BACKDRAFT DAMPER
RG-1	RETURN GRILLE	10x8	150-200	NA	ALUM	ALUM	20	PRICE MODEL 535
TG-1	TRANSFER GRILLE	28x8	200-400	NA	ALUM	ALUM	20	PRICE MODEL 535

EXHAUST FAN SCHEDULE

SYM.	TYPE	C.F.M.	S.P.E.	WATTS	WEIGHT	CHAR.	R.P.M.	MAX. SCONES	CONTROL	REMARKS
EF-1	CEILING MOUNTED	MIN 100	0.25	8.4	NA	120/601	940	3.0	CONTINUOUS WHEN OCCUPIED	TWIN CITY MODEL T110E
EF-2	CEILING MOUNTED	MIN 100	0.25	8.4	NA	120/601	940	3.0	CONTINUOUS WHEN OCCUPIED	TWIN CITY MODEL T110E

FIXTURE SCHEDULE

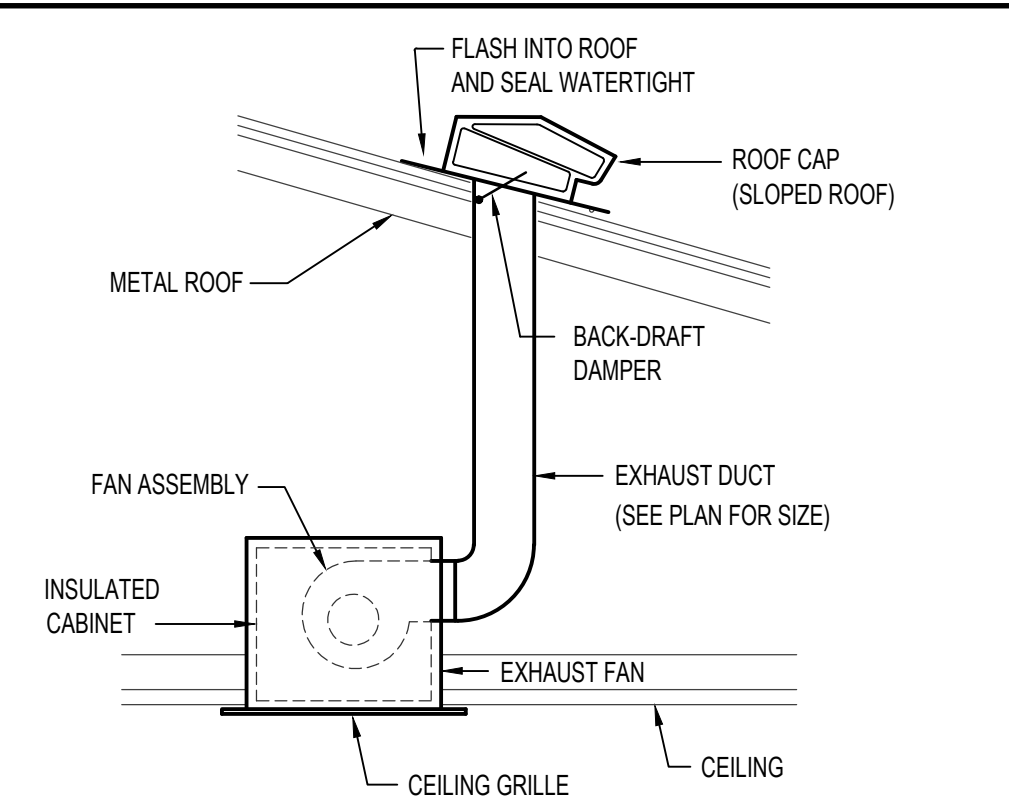
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
FD-1	2" FLOOR DRAIN WITH TRAP PRIMER - ZURN Z-415B WITH 5/8" NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP WITH ZURN 1022 TRAP PRIMER. SEE DETAIL ON THIS SHEET.	---	1/2"	2"	2"
HB-1	EXTERIOR HOSE BIBB - ZURN Z-1310 "ECOLOTRON" WITH REMOVABLE KEY, VACUUM BREAKER AND AUTOMATIC DRAIN. LENGTH TO SUIT WALL THICKNESS.	---	3/4"	---	---
HB-2	INTERIOR HOSE BIBB - WOODFORD MODEL 24P-1/2 WITH VACUUM BREAKER AND REMOVABLE CHROME TEE HANDLE. REFER TO DETAIL ON THIS SHEET FOR TYPICAL INSTALLATION.	---	1/2"	---	---
L-1	ADA COUNTERTOP LAVATORY - KOHLER MODEL K-2299-0 "CAXTON" UNDERMOUNT SINK WITH SLOAN EBF-85 OPTIMA BATTERY AUTO FAUCET, K-7715 OPEN GRID STRAINER, 1/2" BALL STOPS AND 1-1/4" P-TRAP INSULATE HOT WATER SUPPLY AND TRAP WITH JACKET.	1/2"	1/2"	1-1/2"	1-1/2"
RP-1	HOT WATER RECIRC. PUMP - B&G SERIES LR-208F 1/16" LITTLE RED WITH 3 GPM FLOW AT 8' HEAD AND 3/4" LINE CONNECTIONS. MOUNT NEAR WATER HEATER. REFER TO DETAIL FOR TYPICAL PIPE CONNECTION.	3/4"	---	---	---
U-1	ADA WALL MOUNTED URINAL - KOHLER K-5016-ET "DEXTER" WITH WALL CARRIER & SLOAN REGAL 186 SF5M-0.5 BATTERY FLUSH VALVE. MOUNT AT ADA LEVEL.	---	3/4"	2"	2"
WC-1	ADA TANK TYPE WATER CLOSET - KOHLER K-3713 "HIGHLINE" W/ ELONGATED BOWL, LOCKABLE TANK LID, 1.28 GAL PER FLUSH TANK, WHITE OPEN FRONT SEAT, BOLT CAPS AND 1/2" STOP VALVE. LEFT OR RIGHT FLUSH VALVE AS PER PLANS.	---	1/2"	4"	2"
WC-2	TANK TYPE WATER CLOSET - KOHLER K-3575 "WELLWORTH" W/ ELONGATED BOWL, LOCKABLE TANK LID, 1.28 GAL PER FLUSH TANK, WHITE OPEN FRONT SEAT, BOLT CAPS AND 1/2" STOP VALVE.	---	1/2"	4"	2"

PLUMBING LEGEND

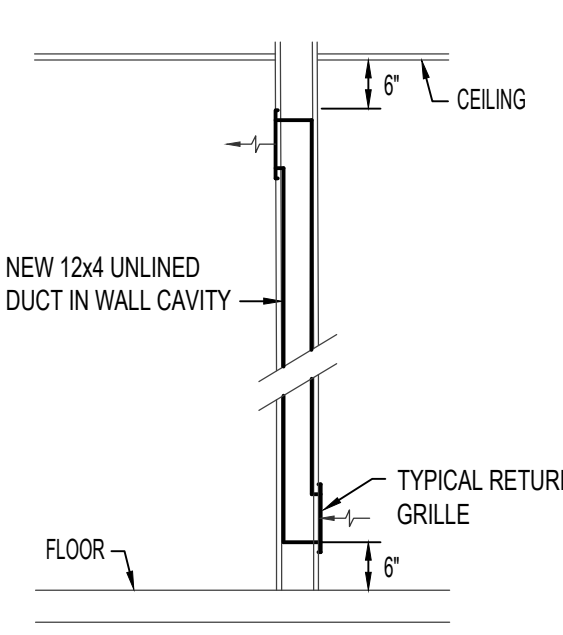
SYMBOL	DESCRIPTION
V	VENT
VTR	VENT THRU ROOF
(E)	EXISTING
CO	CLEANOUT
WCO	WALL CLEANOUT
COTG	CLEANOUT TO GRADE
—○—	PIPE DROP
—○—	PIPE RISE
—○—	BALL TYPE ISOLATION VALVE
---	SOIL OR WASTE PIPING
---	VENT LINE PIPING
---	HARD COLD WATER PIPING
---	DOMESTIC HOT WATER PIPING
---	DOMESTIC HW RECIRC. PIPING
---	DOMESTIC 140°F HW PIPING
---	CONDENSATE DRAIN LINE
---	NATURAL GAS PIPING
---	NATURAL GAS REGULATOR
---	GREASE WASTE

MECH. LEGEND

SYMBOL	DESCRIPTION
①	ELECTRONIC THERMOSTAT
FD	EQUIPMENT SYMBOL
⊙	SMOKE DETECTOR
●	CONNECTION POINT
---	MECH. EQUIPMENT TO BE REMOVED OR RELOCATED
HD	HAND DAMPER
CHD	CONCEALED HAND DAMPER
—	ROUND BRANCH DUCT WITH HAND DAMPER
—	EXPOSED SPIRAL WOUND DUCTWORK
—	TURNING VANES
—	DUCT TRANSITION
—	INSULATED FLEXIBLE DUCT
—	RETURN AIR OR EXHAUST GRILLE
—	CEILING DIFFUSER
—	CEILING MOUNTED EXHAUST FAN
—	BACKDRAFT DAMPER



CEILING MOUNTED EXHAUST FAN DETAIL
NO SCALE



TRANSFER AIR GRILLE DETAIL
NO SCALE

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900 JOHN ADAMS PARKWAY / P.O. BOX 2212 / IDAHO FALLS, IDAHO 83403-2212
(208) 208-522 8779 (208) 208-522 8785 (208) nbwarchitects.com

CEMETERY PROJECTS: ADMINISTRATION BLDG ADDITION
DPW PROJECT NO. 2021-605
BLACKFOOT, IDAHO

DPW 2021605 IDVS

PROJECT:

REVISIONS

NEW PROJECT NO.: 20026
DATE: JANUARY 2025
DRAWN BY: TD
CHECKED BY: DH

DRAWING NO.:

MP2.1

PROFESSIONAL ENGINEER
STATE OF IDAHO
18184
JAN 31, 2025
DAVID L. HANSEN

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EMAIL: esao@esystems.com
ESA JOB NUMBER: 23109

DRAWING NO.:

PA#: 1601264
Date: 5/5/2025

These plans are approved contingent on the compliance with the mark-ups and notes applied.
This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.



COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: DPW 2021605 IDVS CEMETERY PROJECTS: ADMINISTRATION BUILDING ADDITION
Project Type: Addition

Construction Site: BLACKFOOT, ID
Owner/Agent: Claire Jorgensen
Mugrove Engineering
645 W 25th St
Idaho Falls, ID 83402
208-523-2862
clairej@mugrovepa.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-OFFICE/RR ADDITION (Office)	680	0.79	458
Total Allowed Watts = 458			

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-OFFICE/RR ADDITION (Office) LED 1 A: 2x4 RECESSED Other: LED 2 B: 1x4 LED WRAP Other: LED 3 C: LED VANITY LIGHT Other:	1 1 1	3 4 2	38 32 10	114 128 19
Total Proposed Watts = 261				

Interior Lighting PASSES: Design 43% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Claire Jorgensen, Designer
Name : Title
Signature
Date: 12-20-2024

Project Title: DPW 2021605 IDVS CEMETERY PROJECTS: ADMINISTRATION BUILDING ADDITION
Data filename: P:\Files\2024\24303\CALCS\ELEC\24303 Electrical_Compliance.cck
Report date: 12/20/24
Page 1 of 8

Section # & Req ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2 (EL22)†	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 (EL18)†	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounge/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces >= 300 sq ft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 (EL19)†	Occupancy sensors control function in warehouses; in warehouses, the lighting in aislesways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 (EL20)†	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq ft. have controls 1) configured so that general lighting be controlled separately in control zones with floor areas <= 600 sq ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2 (EL21)†	Each area not served by occupancy sensors per (C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: DPW 2021605 IDVS CEMETERY PROJECTS: ADMINISTRATION BUILDING ADDITION
Data filename: P:\Files\2024\24303\CALCS\ELEC\24303 Electrical_Compliance.cck
Report date: 12/20/24
Page 4 of 8

COMcheck Software Version 4.1.5.5
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: DPW 2021605 IDVS CEMETERY PROJECTS: ADMINISTRATION BUILDING ADDITION
Project Type: Addition
Exterior Lighting Zone: 2 (Residential mixed use area (L2.2))

Construction Site: BLACKFOOT, ID
Owner/Agent: Claire Jorgensen
Mugrove Engineering
645 W 25th St
Idaho Falls, ID 83402
208-523-2862
clairej@mugrovepa.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Pedestrian and vehicular entrances and exits	6 ft. of door	14	Yes	84
Total Tradable Watts (a) =				84
Total Allowed Watts =				84
Total Allowed Supplemental Watts (b) =				400

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamp/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Pedestrian and vehicular entrances and exits (6 ft. of door width). Tradable Wattage LED 1: LED Other Fixture Unit: 10W	1	2	13	26
Total Tradable Proposed Watts = 26				

Exterior Lighting PASSES: Design 95% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Claire Jorgensen, Designer
Name : Title
Signature
Date: 12-20-2024

Project Title: DPW 2021605 IDVS CEMETERY PROJECTS: ADMINISTRATION BUILDING ADDITION
Data filename: P:\Files\2024\24303\CALCS\ELEC\24303 Electrical_Compliance.cck
Report date: 12/20/24
Page 2 of 8

Section # & Req ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2 (EL22)†	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces. C405.2.3.1 Daylight-responsive controls and section C405.2.3.2 Sidelit zone.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 (EL26)†	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 (EL27)†	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.5 (EL28)†	Manual controls required by the energy code are in a location with ready access to the occupants and located where the controlled lights are visible, or identify the area served and their status.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.6 (EL30)†	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 (EL6)†	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.6 (EL26)†	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.7 (EL27)†	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.8.2 (EL28)†	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.9 (EL29)†	Total voltage drop across the combination of feeders and branch circuits <= 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: DPW 2021605 IDVS CEMETERY PROJECTS: ADMINISTRATION BUILDING ADDITION
Data filename: P:\Files\2024\24303\CALCS\ELEC\24303 Electrical_Compliance.cck
Report date: 12/20/24
Page 5 of 8

COMcheck Software Version 4.1.5.5
Inspection Checklist
Energy Code: 2018 IECC

Requirements: 0.0% were addressed directly in the COMcheck software
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req ID	Plan Review	Complies?	Comments/Assumptions
C103.2 (PR4)†	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C103.2 (PR8)†	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C406 (PR9)†	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: DPW 2021605 IDVS CEMETERY PROJECTS: ADMINISTRATION BUILDING ADDITION
Data filename: P:\Files\2024\24303\CALCS\ELEC\24303 Electrical_Compliance.cck
Report date: 12/20/24
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Section # & Req ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2 (EL22)†	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 (EL18)†	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounge/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces >= 300 sq ft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 (EL19)†	Occupancy sensors control function in warehouses; in warehouses, the lighting in aislesways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 (EL20)†	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq ft. have controls 1) configured so that general lighting be controlled separately in control zones with floor areas <= 600 sq ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2 (EL21)†	Each area not served by occupancy sensors per (C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: DPW 2021605 IDVS CEMETERY PROJECTS: ADMINISTRATION BUILDING ADDITION
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Report date: 12/20/24
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ENERGY CODE COMMISSIONING COMPLIANCE NOTES

SECTION 406 SYSTEM COMMISSIONING

IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL BELOW NOTED DOCUMENTS WITHIN 90 DAYS OF CERTIFICATE OF OCCUPANCY:

A. AS-BUILT DRAWINGS - DRAWINGS SHALL INCLUDE THE LOCATION AND PERFORMANCE DATA OF ALL PIECES OF MECHANICAL EQUIPMENT.

B. OPERATING AND MAINTENANCE MANUALS - MANUALS SHALL INCLUDE THE FOLLOWING:

- SUBMITTAL DATA ON ALL PIECES OF EQUIPMENT REQUIRING MAINTENANCE.
- MANUFACTURER'S OPERATIONS AND MAINTENANCE DATA ON ALL PIECES OF EQUIPMENT. ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
- NAME AND ADDRESS AND PHONE NUMBER OF AT LEAST ONE (1) SERVICE PROVIDER.
- LIGHTING CONTROL SYSTEMS MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, EQUIPMENT AND SYSTEM SCHEMATICS, AND CONTROL SEQUENCES OF OPERATIONS. DESIRED OR FIELD DETERMINED SETPOINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT ALL CONTROL DEVICES, OR FOR DIGITAL CONTROL SYSTEMS, IN THE SYSTEM PROGRAMMING INSTRUCTIONS.
- A NARRATIVE ON HOW EACH LIGHTING SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.

C. LIGHTING SYSTEM FUNCTIONAL TESTING REQUIREMENTS

FUNCTIONAL TESTING - ALL AUTOMATIC LIGHTING CONTROL SYSTEM SHALL BE FULLY TESTED TO ENSURE THE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.

WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE CONTROLS, PHOTOSENSORS OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.
- CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.
- CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

D. FINAL LIGHTING SYSTEM FUNCTIONAL REPORT - A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED AS THE "FINAL LIGHTING CONTROL REPORT" SHALL BE DELIVERED TO THE BUILDING OWNER. THE REPORT SHALL INCLUDE THE FOLLOWING:

- LIST OF FUNCTIONAL TESTS USED DURING THE COMMISSIONING PROCESS ON EACH PIECE OF EQUIPMENT.
- RESULTS OF ALL FUNCTIONAL TESTS ON ALL PIECES OF EQUIPMENT.
- LIST OF DEFICIENCIES FOUND AND CORRESPONDING CORRECTIVE MEASURES EITHER IMPLEMENTED OR PROPOSED ON EACH PIECE OF EQUIPMENT.
- LIST OF EQUIPMENT NOT ABLE TO BE FUNCTIONALLY TESTED DUE TO CURRENT CLIMATE CONDITIONS. THESE PIECES OF EQUIPMENT WILL FUNCTIONALLY TESTED ONCE CLIMATE CHANGES ALLOW.

SWITCH AND OCCUPANCY SENSOR LEGEND

SOS: OCCUPANCY SENSOR - WALL MOUNT, SINGLE TECHNOLOGY, 120-277V, SINGLE POLE, SENSOR SWITCH-WSXA-PDT-XX OR EQUAL.

SOS: OCCUPANCY SENSOR - WALL MOUNT, SINGLE TECHNOLOGY, DIMMING, 120-277V, SINGLE POLE, SENSOR SWITCH-WSXA-PDT-D-XX OR EQUAL.

EQUAL PRODUCTS FROM WATTS/TOPEL, LUTRON, LEGRAND, AND EATON WILL BE ACCEPTED

LIGHTING FIXTURE SCHEDULE (24-303)					
TYPE	DESCRIPTION	MTG.	LAMPS	WATTS	MFG. & CATALOG NUMBER
A	2X4 RECESSED VOLUMETRIC LIGHT FIXTURE 4800 LUMENS 0-10 VOLT DIMMING	RECESSED	LED 4000K	38	LITHONIA NO: 2BLT4-48L-40LHE-ADP-EZ1-LP940
AE	2X4 RECESSED VOLUMETRIC LIGHT FIXTURE 4800 LUMENS 0-10 VOLT DIMMING, 700 LUMEN BATTERY PACK	RECESSED	LED 4000K	38	LITHONIA NO: 2BLT4-48L-40LHE-ADP-EZ1-LP940-E10WLCP
B	1X4 LED WRAPAROUND 4800 LUMENS 0-10 VOLT DIMMING	RECESSED	LED 4000K	32	LITHONIA NO: LBL4-4800LM-80CRI-40K-MINI-GZT-MVOLT
C	LED VANITY LIGHT 1300 LUMENS	WALL	LED 3000K	9.5	LITHONIA NO: FMV-TSL-24IN-MVOLT-30K-90CRI-BN-IM
D	6" LED WAFER DOWNLIGHT 1200 LUMENS XX COLOR TO BE CONFIRMED BY ARCHITECT	RECESSED	LED 4000K	13	LITHONIA NO: WF6 LED 30K40K50K 90CRI XX
LIGHTING FIXTURE SCHEDULE NOTES: 1 SUBSTITUTIONS WILL BE ALLOWED IF SUBMITTED PRIOR TO BID DATE BY THE GREATER OF: 7 BUSINESS DAYS OR THE TIME PERIOD SPECIFIED BY DIVISION 1 SPECIFICATIONS, AND IF DEEMED EQUAL BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SUBSTITUTED FIXTURES MEET OR EXCEED THE SPECIFICATIONS OF THE FIXTURES SPECIFIED.					

DPW 2021605 IDVS

CEMETERY PROJECTS: ADMINISTRATION BLDG ADDITION

DPW PROJECT NO: 2021-605

BLACKFOOT, IDAHO

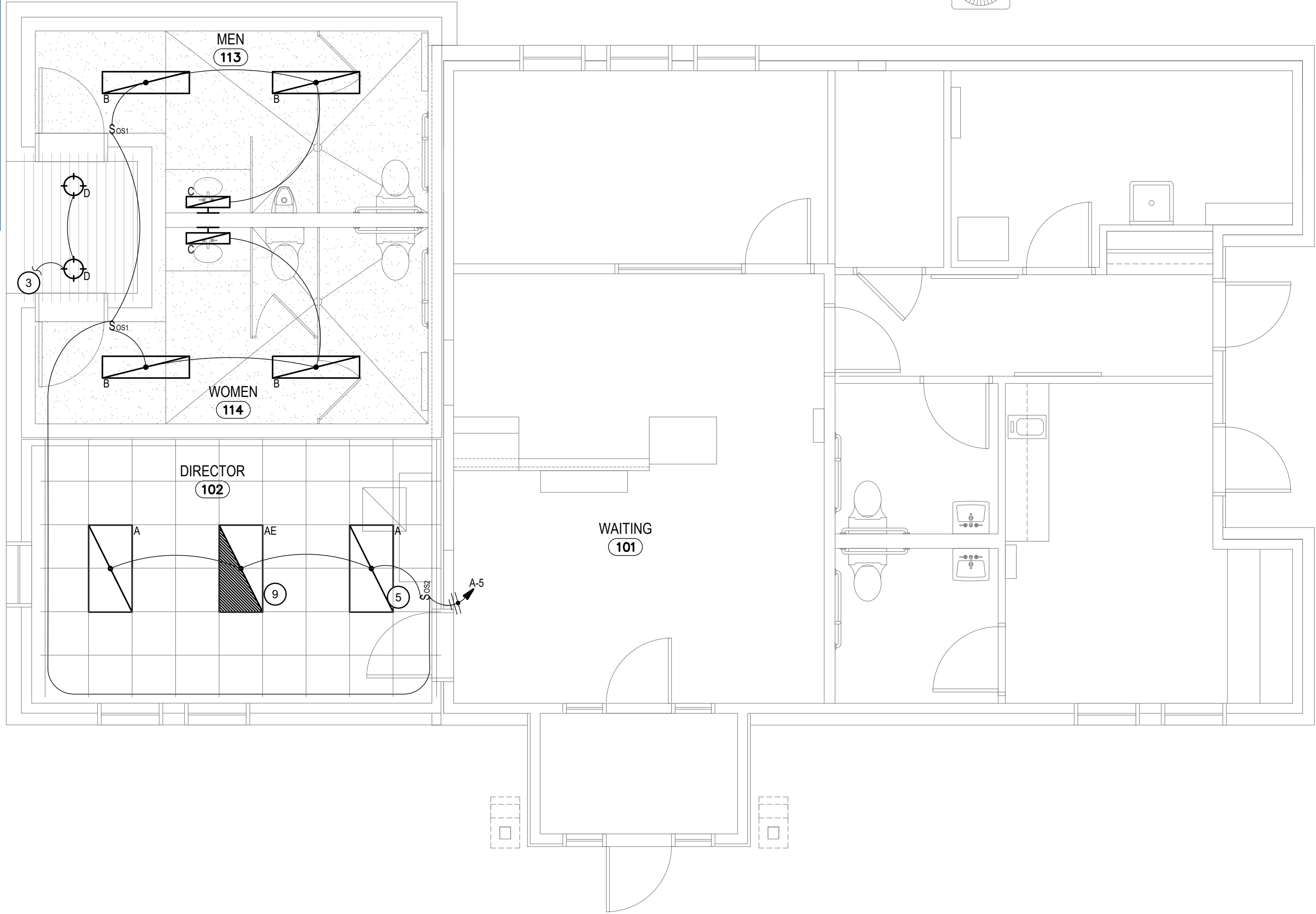
ENERGY CODE

PROJECT:

REVISIONS

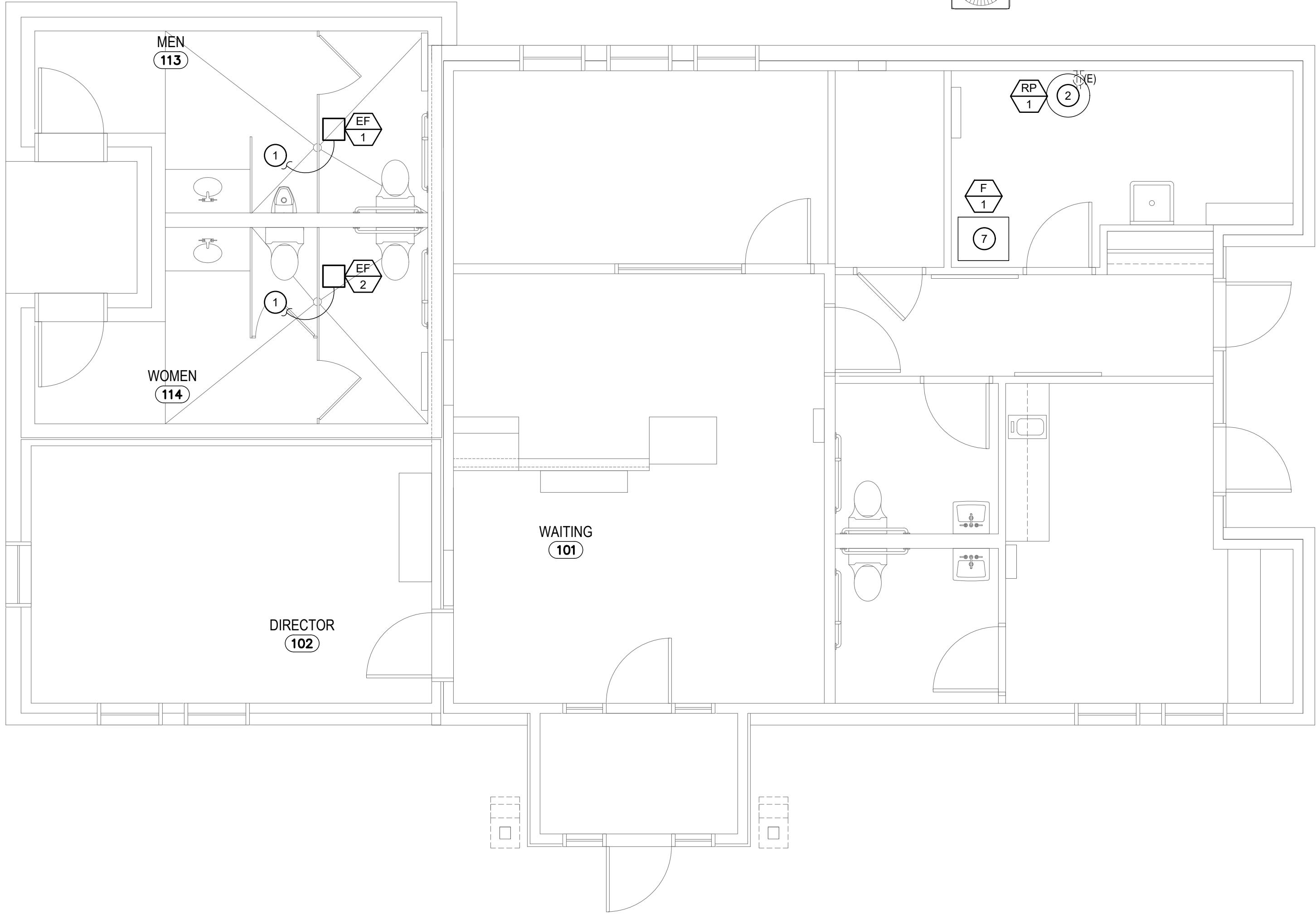
NBW PROJECT NO.: 24015
DATE: JANUARY 2025
DRAWN BY: CJ
CHECKED BY: MB
DRAWING NO.:

E0.1



LIGHTING PLAN

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



MECHANICAL PLAN

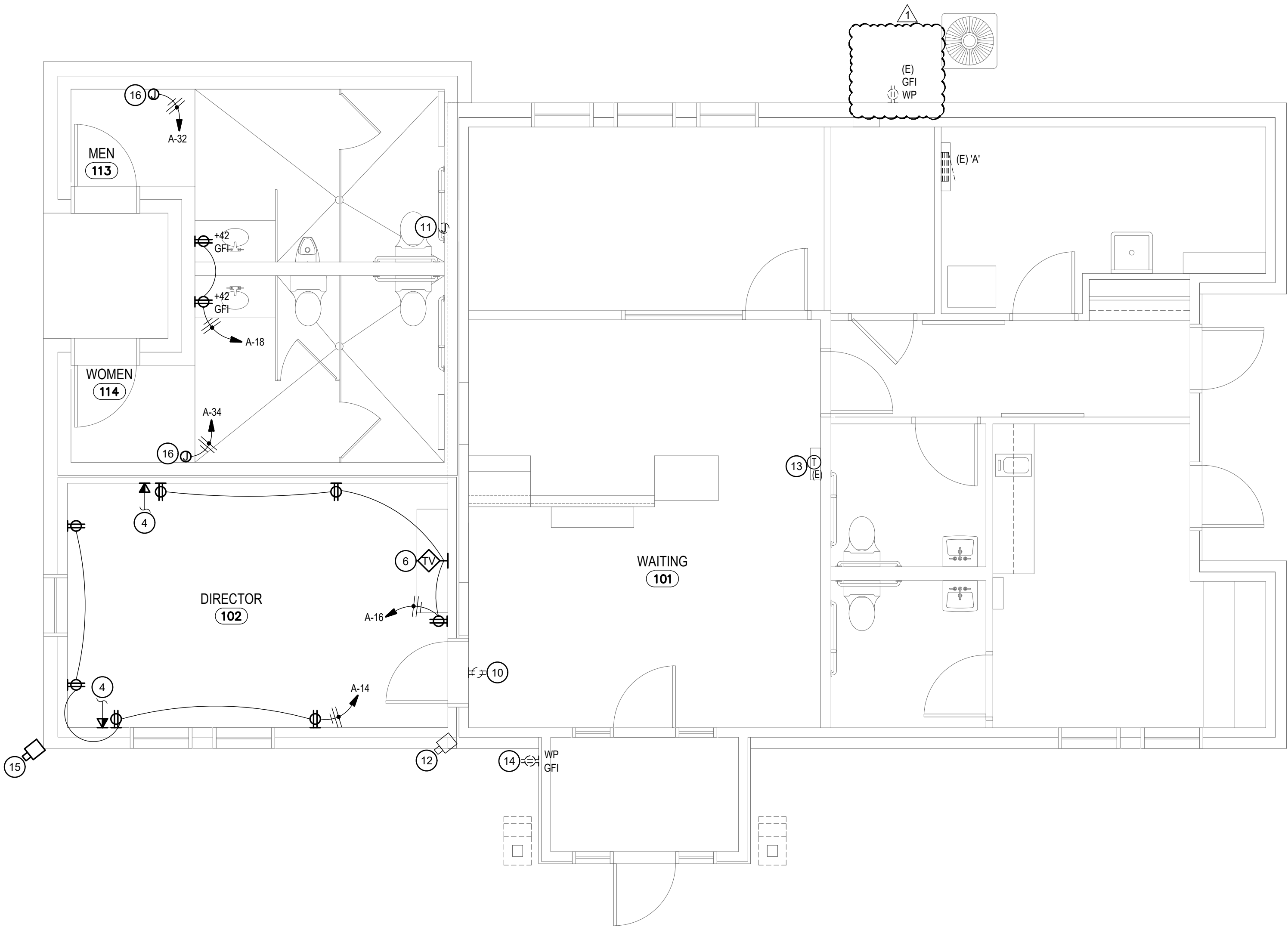
SCALE: 1/4" = 1'-0"

KEYED NOTES:

- INTERCONNECT EXHAUST FAN WITH LIGHTING SWITCH.
- CONNECT RECIRC PUMP RP-1 TO LOCAL RECEPTACLE.
- CONNECT TO EXISTING BUILDING EXTERIOR LIGHTING CIRCUIT A-1 AND SWITCHING.
- 1" TO CEILING SPACE FOR DATA/COMM TO EXISTING DATA SYSTEM.
- INSTALL 0-10V DIMMING TO ALL LIGHTS ON THIS SWITCH.
- SEE E2.0 FOR TV DETAIL.
- CONNECT NEW FURNACE TO EXISTING BREAKER A-17.
- CONNECT NEW FURNACE TO EXISTING BREAKER A-40.42.
- EMERGENCY LIGHT AND/OR NIGHT LIGHT. CONNECT (ALWAYS HOT) TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY LIGHTING CONTROLS.
- EXISTING RECEPTACLE TO BE RELOCATED ON SAME WALL FOR DOOR OPENING.
- EXISTING WIRELESS EQUIPMENT TO BE RELOCATED BY OWNER.
- EXISTING CAMERA TO BE RELOCATED BY OWNER.
- EXISTING THERMOSTAT TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING RECEPTACLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- RELOCATED CAMERA. RUN NEW CAT5 CABLE TO IT ROOM.
- POWER FOR HAND DRYER, COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

GENERAL NOTES:

- REFER TO ARCHITECTURAL ELEVATIONS FOR OUTLET HEIGHTS WHERE THE SPECIFIC OUTLET HEIGHT IS NOT INDICATED ON THIS SHEET. REFER TO THE ELECTRICAL LEGEND FOR THE DEFAULT OUTLET HEIGHT WHEN NOT INDICATED ON ELEVATIONS OR ON THIS SHEET.
- THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE. THEREFORE, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL EQUIPMENT AND DEVICE LOCATIONS WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DIVISIONS PRIOR TO ROUGH-IN. REFER TO AND COORDINATE WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL WORK THAT IS REQUIRED BY THE CONTRACTOR.
- ALL CONDUIT AND JUNCTION BOXES ARE TO BE CONCEALED IN NEW WALLS, EXISTING FURRED OUT WALLS AND EXISTING ACCESSIBLE CEILINGS. USE OF SURFACE MOUNTED RACEWAYS MUST BE APPROVED BY THE ARCHITECT FOR EACH LOCATION. WHERE APPROVED UTILIZE WIREMOLD OR APPROVED EQUAL SURFACE MOUNTED RACEWAYS PAINTED TO MATCH SURROUNDING WALLS.
- ALL EXISTING LIGHTS, RECEPTACLES, AND CIRCUITS TO BE VERIFIED PRIOR TO WORK.
- ELECTRICAL CONTRACTOR TO PROVIDE NEW TYPED PANEL SCHEDULE AS REQUIRED BY NEC.



POWER PLAN

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



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CEMETERY PROJECTS: ADMINISTRATION BLDG ADDITION

DPW 2021605 IDVS

DPW PROJECT NO. 2021-605

BLACKFOOT, IDAHO

ELECTRICAL PLANS

PROJECT

REVISIONS

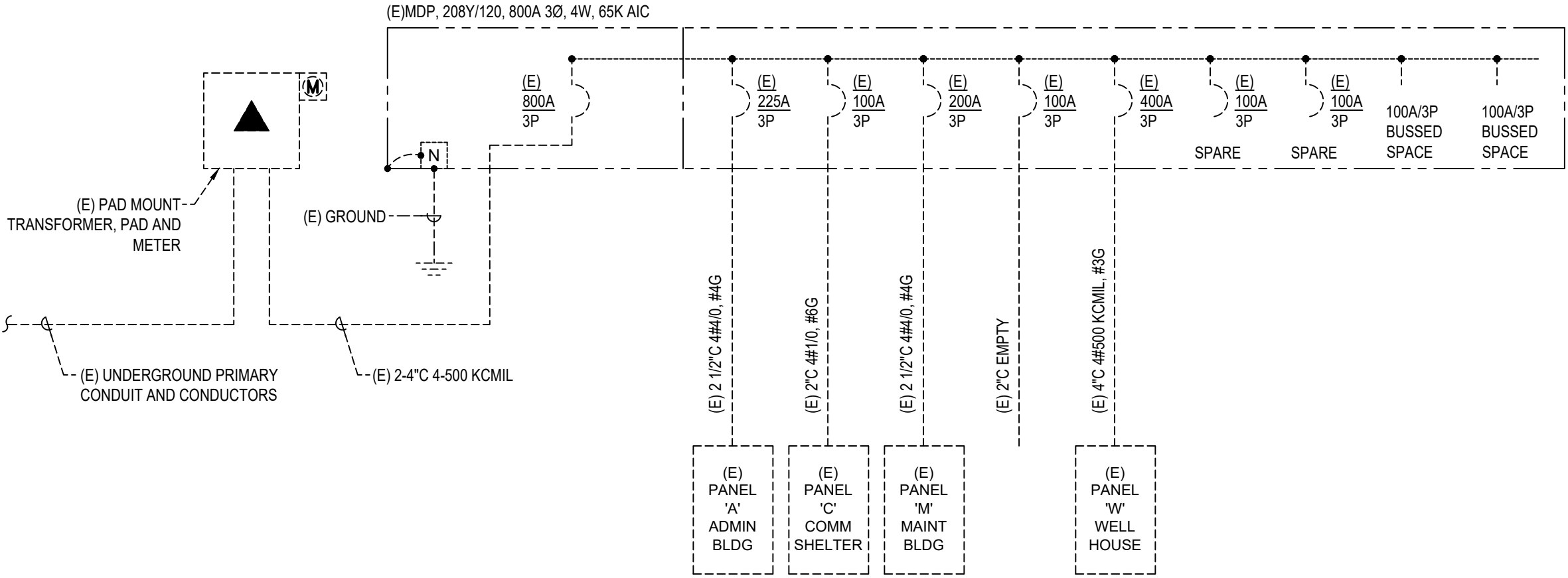
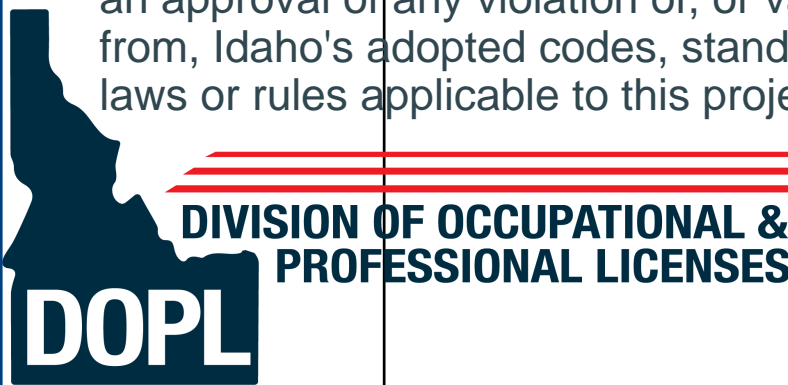
NO.	DESCRIPTION
1	DOPL REVIEW COMMENTS

NEW PROJECT NO.:
24015
DATE:
JANUARY 2025
DRAWN BY:
CJ
CHECKED BY:
MB

DRAWING NO.:

E1.0

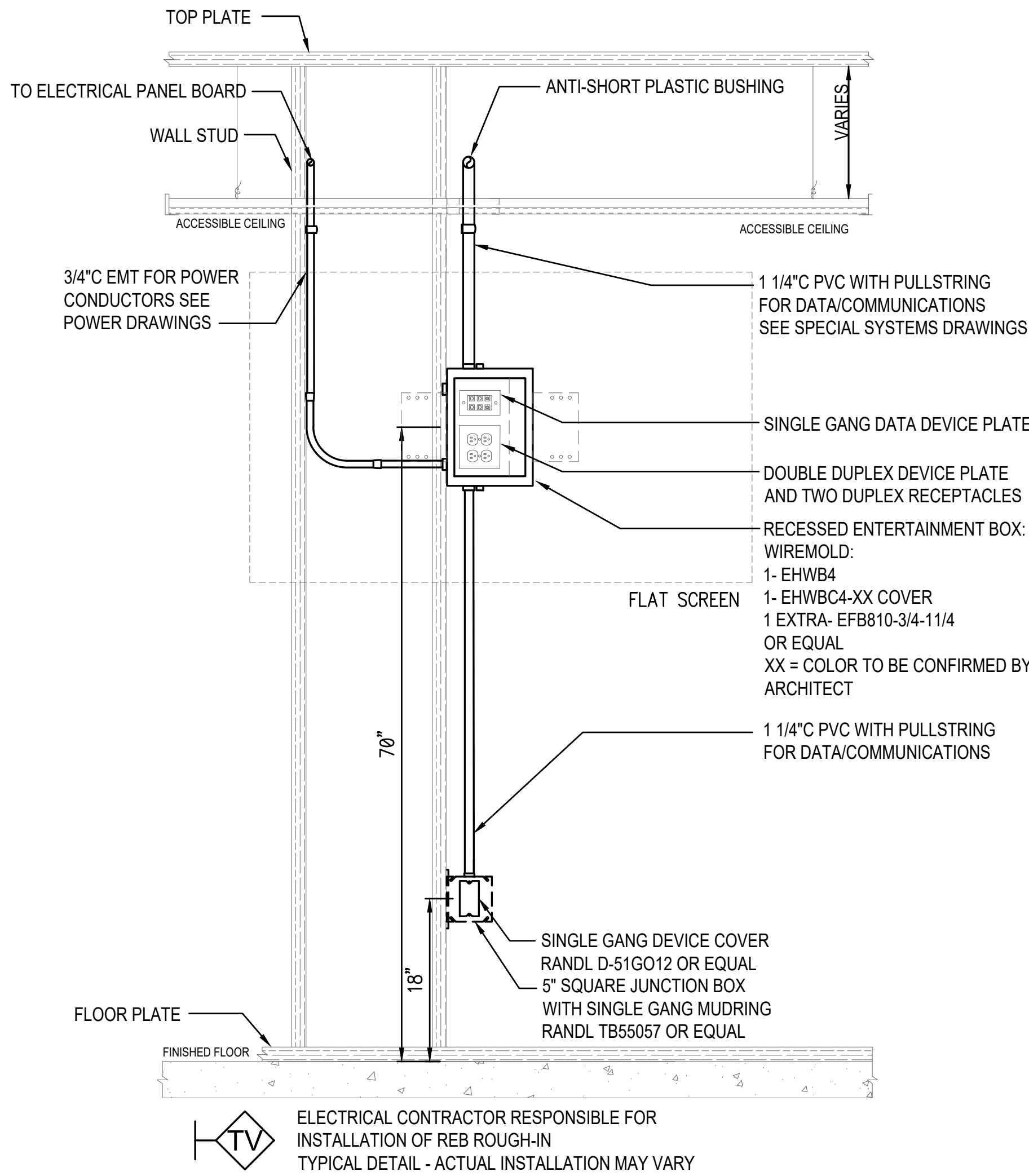
PA#: 1601264
Date: 5/5/2025
These plans are approved contingent on the compliance with the mark-ups and notes applied.
This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.



EXISTING ONE-LINE DIAGRAM
NTS

PANEL: A (E)						PROJECT: DPW 2021605 IDVS CEMETERY ADMINISTRATION BLDG ADDITION													
VOLTAGE:		208 / 120 V		3 PH		4 WIRE		AMPERE RATING:		225A		WITH 225A MLO		MOUNTING: SURFACE		PANEL AIC RATING: 65000			
BASIS OF DESIGN PANEL TYPE:						PANEL BOARD		NEMA ENCLOSURE TYPE: 1											
CKT NOTES:																			
1. EXISTING BREAKER 2. REUSED BREAKER 3. PROVIDE NEW LOOKABLE BREAKER																			
CKT	DESCRIPTION	CKT NOTE	LOAD VA	LOAD AMPS	AMPS/POLES	LOAD (VA)			AMPS/POLES	LOAD AMPS	LOAD VA	CKT NOTE	DESCRIPTION	CKT					
						A	B	C											
1	LIGHTING - EXTERIOR		0.0	20	1	0				20	1	0.0	1	RECEPTACLES	2				
3	LIGHTING - INTERIOR		0.0	20	1		0			20	1	0.0	1	RECEPTACLES	4				
6	LIGHTING - DIRECTOR 102, RR 113, RR 144	2	268	2.2	20	1			268	20	1	0.0	1	RECEPTACLES	6				
7	LIGHTING - PARKING LOT		0.0	20	1	0				20	1	0.0	1	RECEPTACLES - COMM RACK	8				
9	SPARE		0.0	20	1		0			20	1	0.0	1	RECEPTACLES - UPS	10				
11	SPARE		0.0	20	1			0		20	1	0.0	1	FLAG POLE LIGHT	12				
13	RECEPTACLES		0.0	20	1	540				20	1	4.5	540	2	RECEPTACLES - DIRECTOR 102	14			
15	RECEPTACLES		0.0	20	1		540			20	1	4.5	540	2	RECEPTACLES - DIRECTOR 102	16			
17	FURNACE	2	180	1.5	20	1		540		20	1	3.0	360	2	RECEPTACLES - RR 113, RR 144	18			
19	ELEC HEATER		0.0	20	2	0				20	1	0.0			SPARE	20			
21	***		0.0	**	**		0			20	1	0.0			SPARE	22			
23	RECEPTACLES - HONOR GUARD		0.0	20	1			0		20	1	0.0			SPARE	24			
25	RECEPTACLES - HONOR GUARD		0.0	20	1	0				20	1	0.0			SPARE	26			
27	RECEPTACLES - HONOR GUARD		0.0	20	1		0			20	1	0.0			SPARE	28			
29	RECEPTACLES - HONOR GUARD		0.0	20	1					20	1	0.0			SPARE	30			
31	RECEPTACLES - RESTROOM		0.0	20	1	1725				20	1	14.4	1725	3	POWER HAND DRYER MENS	32			
33	RECEPTACLES - RESTROOM		0.0	20	1		1725			20	1	14.4	1725	3	POWER HAND DRYER WOMENS	34			
35	RECEPTACLES - RECEPTION		0.0	20	1			0		30	2	0.0			SPARE	36			
37	RECEPTACLES - RECEPTION		0.0	20	1	0				**	**	0.0	1	***		38			
39	RECEPTACLES - RECEPTION		0.0	20	1		2063.36			40	2	19.8	2063	2	CONDENSING UNIT #1	40			
41	SPARE		0.0	20	1			2063.36		**	**	19.8	2063	2	***	42			
						2265.0	4328.4	2871.4	VA										
						18.9	36.1	23.9	AMPS				9465		TOTAL VA				

ELECTRICAL LOAD SUMMARY (MSB)														
FEEDER	VOLTAGE	CONNECTED LOAD (KVA)									TOTAL CONNECTED LOAD		TOTAL DEMAND LOAD	
		LIGHTING	RECEP	MOTORS	KITCHEN	HVAC	ELEC HEAT	WATER HEAT	MISC	EXIST	KVA	AMPS	KVA	AMPS
PANEL (E)A	120/208Y	0.3	4.9	0.0	0.0	4.9	0.0	0.0	0.0	0.0	10.1	28.1	10.2	28.2
TOTAL	120/208Y	0.3	4.9	0.0	0.0	4.9	0.0	0.0	0.0	0.0	10.1	28.1	10.2	28.2



TV ROUGH-IN DETAIL
SCALE: 1" = 1'-0"



CEMETERY PROJECTS: ADMINISTRATION BLDG ADDITION

DPW 2021605 IDVS
DPW PROJECT NO. 2021-605
BLACKFOOT, IDAHO

PROJECT:
SHEET TITLE:

REVISIONS	
1	DOPL REVIEW COMMENTS

NBW PROJECT NO.: 24015
DATE: JANUARY 2025
DRAWN BY: CJ
CHECKED BY: MB

DRAWING NO.:

E2.0