

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF MILITARY & VETERANS AFFAIRS

PROJECT NO.: 42220110
BUILDING RENOVATION
BUILDING 4-19
FTIG, ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

DESIGN PROFESSIONALS
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
BUREAU OF DESIGN AND PROJECT MANAGEMENT
BLDG. 0-10, CHAPEL ROAD, FT. INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

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PLUMBING CONSTRUCTION

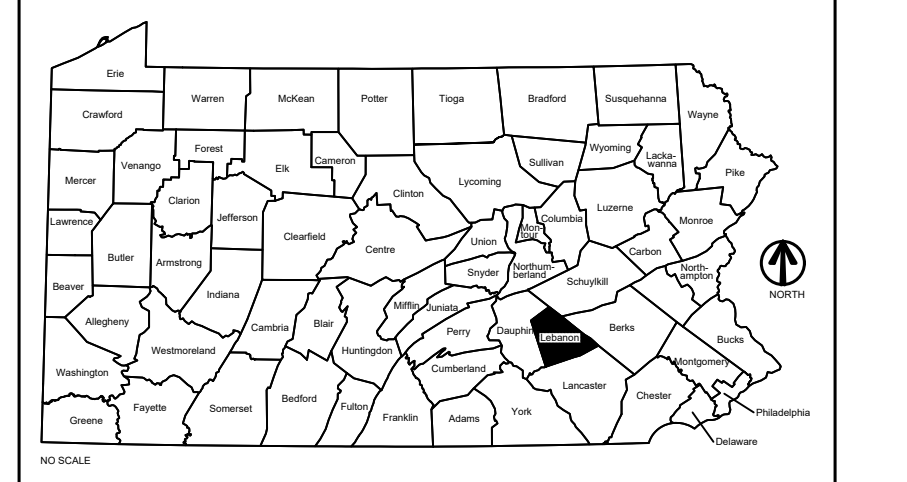
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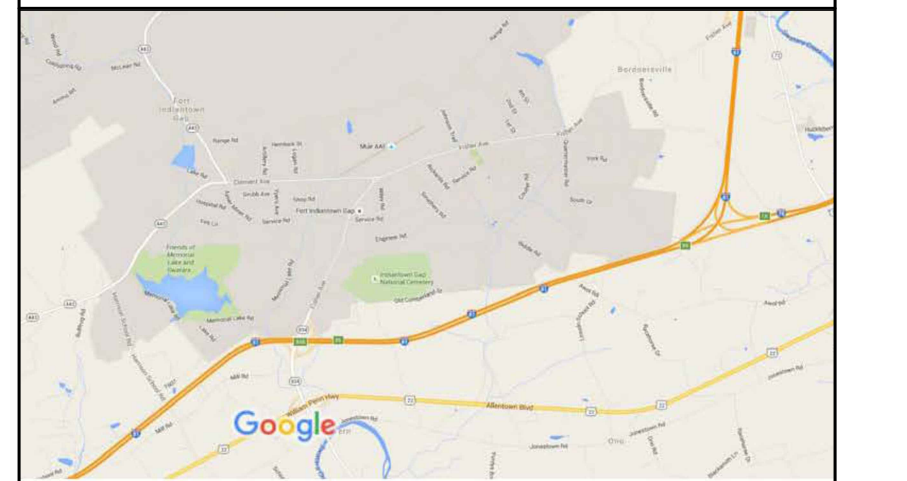
E.1.1 ELECTRICAL FLOOR PLANS
E.2.1 ELECTRICAL SCHDS & DETAILS

NO L&I BUILDING PERMIT REQUIRED
FOR THIS PROJECT

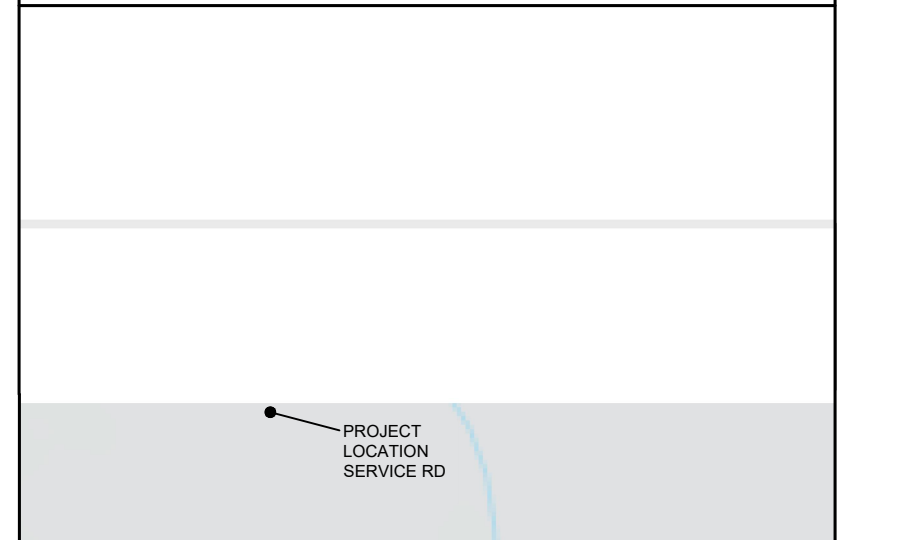
PROJECT LOCATION MAP



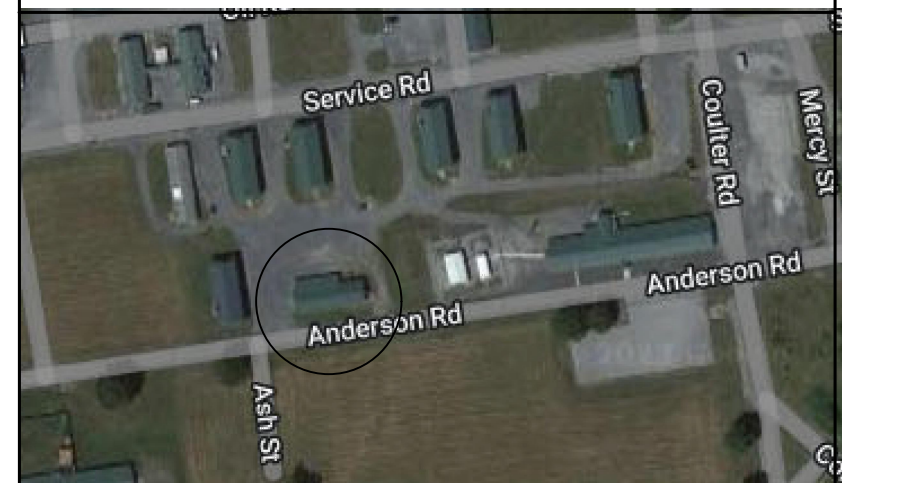
VICINITY MAP



KEY PLAN



WORK AREA



NO.	DESCRIPTION	DATE
REVISIONS		

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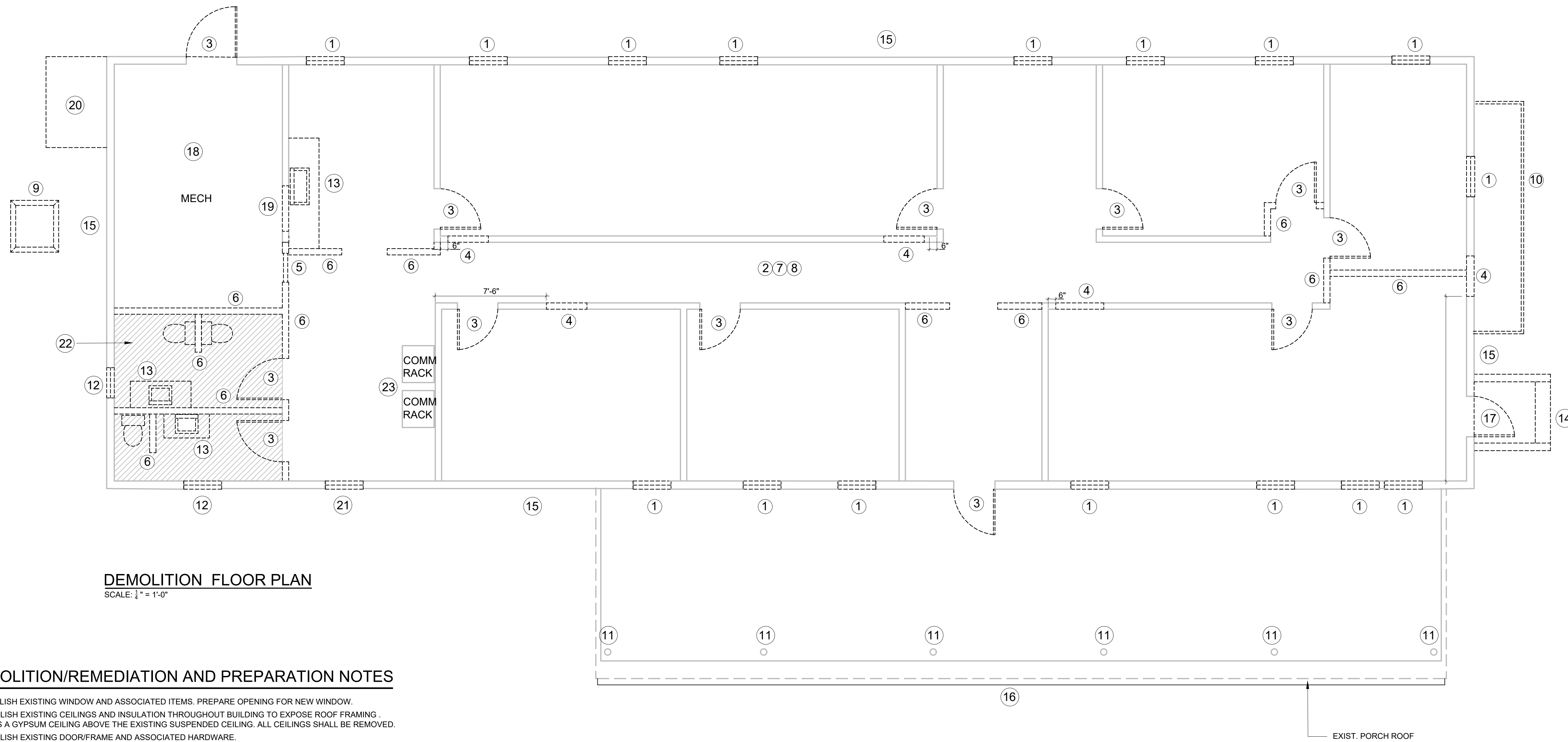
DMVA PROJECT NO. 42220110

BUILDING RENOVATION

BUILDING 4-19, FTIG
ANNVILLE, LEBANON COUNTY, PA 17003

COVER SHEET

DRAWN BY L.DUFFY	DATE 18 APR 2023	DRAWING NO. G.1.1
CHECKED BY R.FISHBURN	SCALE AS NOTED	



DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"

DEMOLITION/REMEDICATION AND PREPARATION NOTES

1. DEMOLISH EXISTING WINDOW AND ASSOCIATED ITEMS. PREPARE OPENING FOR NEW WINDOW.
2. DEMOLISH EXISTING CEILINGS AND INSULATION THROUGHOUT BUILDING TO EXPOSE ROOF FRAMING. THERE IS A GYPSUM CEILING ABOVE THE EXISTING SUSPENDED CEILING. ALL CEILINGS SHALL BE REMOVED.
3. DEMOLISH EXISTING DOOR/FRAME AND ASSOCIATED HARDWARE.
4. CREATE OPENING IN WALL TO ACCOMMODATE NEW DOOR/FRAME. REFER TO 'DOOR AND FRAME SCHEDULE', DWG. A.2.1 FOR DOOR OPENING SIZE.
5. DEMOLISH EXISTING WALL VENT. PREPARE FOR CLOSURE.
6. DEMOLISH WALL AND ASSOCIATED ITEMS.
7. REMOVE EXISTING FLOOR FINISHES THROUGHOUT BUILDING TO EXPOSE ORIGINAL FLOOR PLANKS.
8. REMOVE EXISTING WALL FINISHES THROUGHOUT BUILDING TO EXPOSE WALL FRAMING, TO INCLUDE INSULATION.
9. DEMOLISH CHIMNEY TO 12" BELOW GRADE.
10. REMOVE EXIST. LUMBER, DEBRIS, AND VEGETATION TO PREPARE FOR NEW WORK.
11. REMOVE RUST FROM METAL POST, AND PREPARE FOR NEW PRIMER/PAINT.
12. DEMOLISH EXISTING WINDOW AND ASSOCIATED ITEMS. CLOSE OPENING TO MATCH EXIST. MATERIALS.
13. DEMOLISH EXISTING CABINET/COUNTERTOP/ SINK, TOILET ACCESSORIES AND ASSOCIATED ITEMS.
14. DEMOLISH EXISTING CONCRETE LANDING/STEP AND ASSOCIATED ITEMS. DEMOLISH EXISTING ROOF OVER DOOR TO INCLUDE GUTTER AND ALL ASSOCIATED DOWNSPOUT. PREPARE AREA FOR CLOSURE AND NEW MATERIALS.
15. REFER TO DRAWINGS A.3.1 AND A.3.2 FOR BUILDING EXTERIOR WORK.
16. DEMOLISH EXISTING GUTTER AND DOWNSPOUTS AND FASCIA ON PORCH ROOF.
17. DEMOLISH EXISTING DOOR/FRAME AND ASSOCIATED HARDWARE. CLOSE OPENING TO MATCH EXIST. MATERIALS.
18. DEMOLISH EXISTING CEILING MATERIAL AND INSULATION, IF PRESENT.
19. CREATE NEW OPENING IN WALL TO ACCOMMODATE MECHANICAL DUCTWORK. REFER TO MECHANICAL DWGS. AND COORDINATE LOCATION AND SIZE WITH MECHANICAL CONTRACTOR. REFER TO 'INFILL DETAIL', DWG A.2.1.
20. DEMOLISH EXISTING CONCRETE PAD TO INCLUDE STONE.
21. REMOVE EXISTING WINDOW. ENLARGE OPENING TO ACCOMMODATE NEW DOOR. REFER TO 'DOOR SCHEDULE', A.2.1. FOR SIZE.
22. DEMOLISH EXISTING 4'-5" CONCRETE FLOOR. REMOVE EXISTING EARTH TO DEPTH OF 3'-0" FROM ADJACENT FINISHED FLOOR IN PREPARATION FOR NEW WORK. USE CAUTION WHEN DIGGING TO AVOID DAMAGING EXISTING SANITARY SEWER PIPE IN THIS LOCATION.
23. EXISTING COMM RACKS TO BE RELOCATED BY ELECTRICAL/COMM CONTRACTOR.

NO.	DESCRIPTION	DATE
REVISIONS		

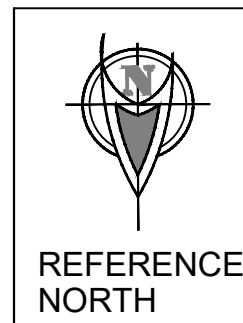
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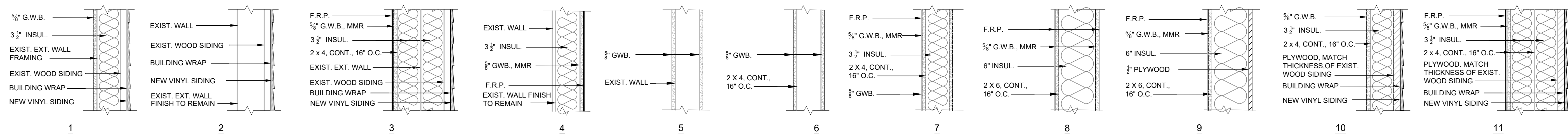
DEMOLITION PLAN, NOTES



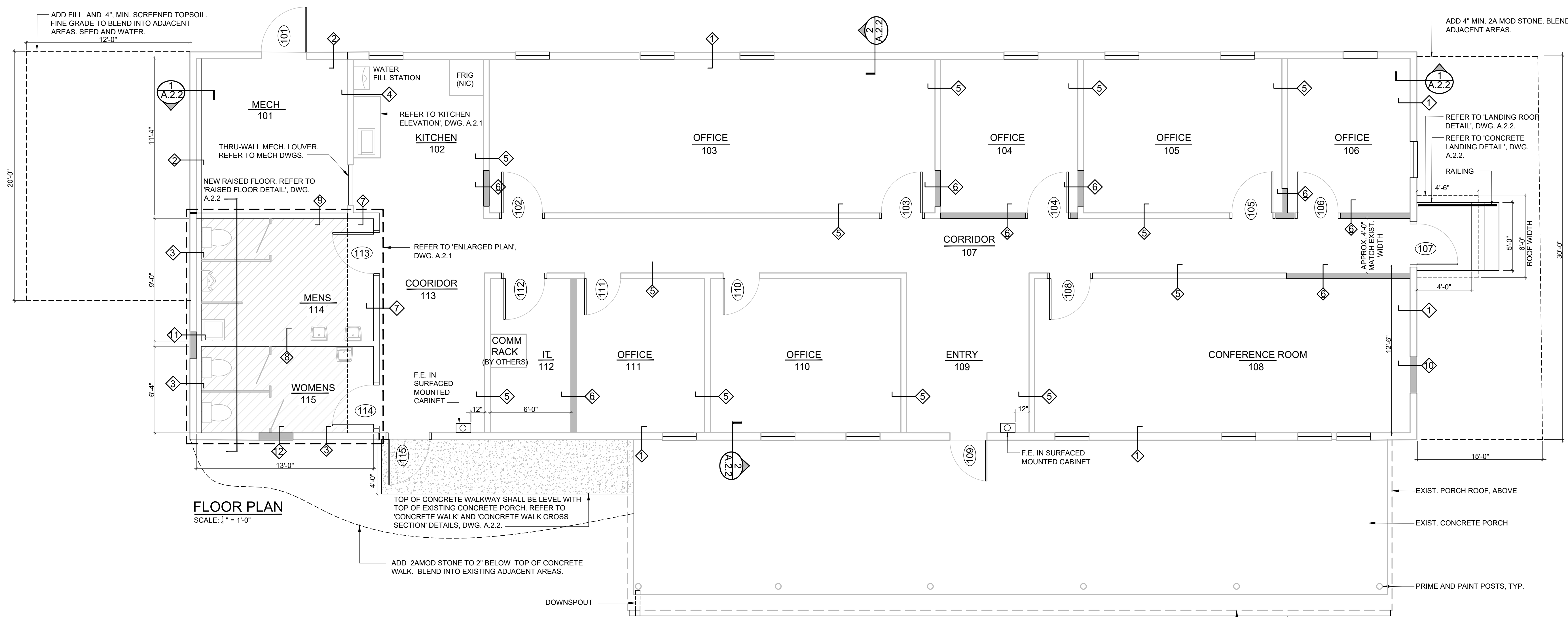
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

DRAWN BY: L. DUFFY	DATE: 18 APR 2023
CHECKED BY: R. FISHBURN	SCALE: AS SHOWN

DRAWING NO.
A.1.0



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



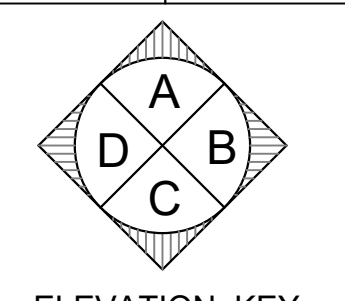
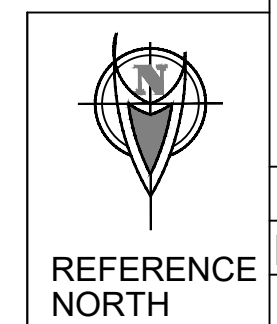
FLOOR PLAN
SCALE: 1/4" = 1'-0"

CONSTRUCTION NOTES - THROUGHOUT BUILDING

- NEW INTERIOR WALLS SHALL EXTEND FROM FLOOR TO FRAMING ABOVE FINISHED CEILING. NEW WALL FRAMING SHALL BE 16" O.C., UNLESS OTHERWISE INDICATED.
- ALL DIMENSIONS ARE BETWEEN WALL FINISHES UNLESS OTHERWISE INDICATED.
- NEW DOOR OPENINGS SHALL BE CONSTRUCTED IN WALLS 6" FROM WALL INTERSECTIONS (TYP.), IF SPACE ALLOWS.
- GENERAL CONTRACTOR SHALL PROVIDE ALL BLOCKING REQUIRED FOR ALL TOILET ACCESSORIES, KITCHEN CABINETRY, AND ALL OTHER ITEMS REQUIRING BLOCKING FOR ALL TRADES.
- INSTALL 1/2" A/C PLYWOOD SHEETING OVER EXIST. WOOD FLOOR PLANKS. INSTALL 'A' SIDE FACING UP. APPLY WOOD PUTTY IN ALL SHEETING JOINTS, AND SAND SMOOTH IN PREPARATION FOR NEW FLOORING.
- REFER TO DRAWING A.3.1 FOR EXTERIOR WORK.
- INSTALL NEW WINDOWS AND DOORS/FRAMES. REFER TO DRAWING A.2.1 FOR DETAILS AND SCHEDULE.
- INSTALL PAPER-FACED FIBERGLAS INSULATION IN MECHANICAL ROOM CEILING. REFER TO 'WALL TYPES', THIS DWG., AND 'SECTIONS', DWG. A.2.2, FOR OTHER INSULATION LOCATIONS.
- REFER TO 'WALL TYPES', THIS DWG. FOR WALL CONSTRUCTION.
- DOORS 107 AND 115: INSTALL NEW 2 x WOOD FRAMING TO SUPPORT NEW DOOR/FRAME. TO INCLUDE DOOR HEADER.
- OPENINGS IN WALLS FOR THROUGH WALL AIR TRANSFER VENTS THROUGHOUT BUILDING SHALL BE CUT IN BY AND VENTS INSTALLED BY MECHANICAL CONTRACTOR.

SYMBOL LEGEND

	NEW WALL
	ROOM NAME ROOM NUMBER
	DOOR NUMBER
	WALL TYPE
	SECTION NO. DWG. NO.



CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

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FLOOR PLAN, NOTES

DRAWN BY: L. DUFFY	DATE: 18 APR 2023	DRAWING NO. A.1.1
CHECKED BY: R. FISHBURN	SCALE: AS SHOWN	

HARDWARE SETS

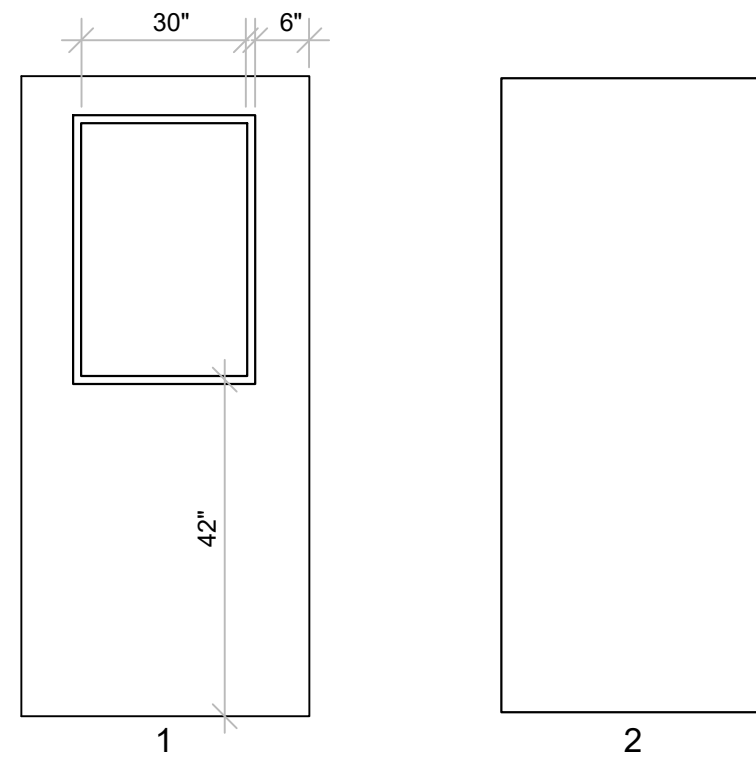
HARDWARE SET #1
 HINGES: 5 KNUCKLE, FULL MORTISE
 OPENING DEVICE: LEVER w/ KEYED CORE
 LOCKING DEVICE: CYLINDRICAL LOCK
 EXIT DEVICE: TOUCH BAR
 WEATHERSTRIPPING
 THRESHOLD
 DOOR SWEEP, NEOPRENE STYLE
 CLOSER

HARDWARE SET #2
 HINGES: 5 KNUCKLE, FULL MORTISE
 OPENING DEVICE: LEVER w/ KEYED CORE
 LOCKING DEVICE: CYLINDRICAL LOCK
 EXIT DEVICE: LEVER
 DOOR STOP: FLOOR MOUNT STYLE

HARDWARE SET #3
 HINGES: 5 KNUCKLE, FULL MORTISE
 OPENING DEVICE: LEVER w/ KEYED CORE
 LOCKING DEVICE: CYLINDRICAL LOCK
 EXIT DEVICE: LEVER
 WEATHERSTRIPPING
 THRESHOLD
 DOOR SWEEP, NEOPRENE STYLE

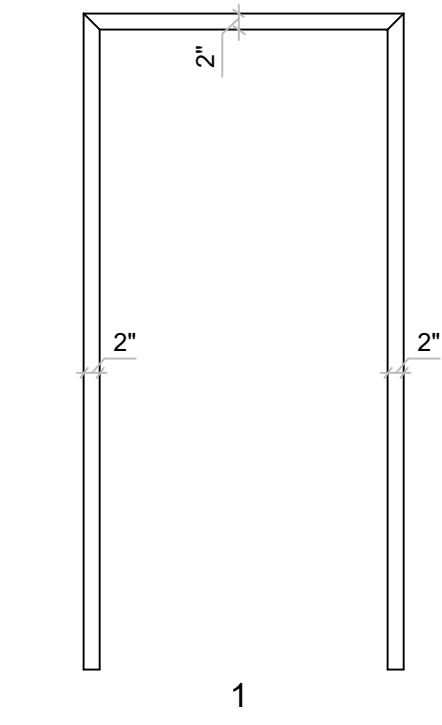
HARDWARE SET #4
 HINGES: 5 KNUCKLE, FULL MORTISE
 OPENING DEVICE: PUSH PLATE
 LOCKING DEVICE: NONE
 EXITING DEVICE: PULL HANDLE
 CLOSER

HARDWARE NOTES:
 1. ALL CORES SHALL BE 'BEST ACCESS SYSTEM', 'G' KEYWAY WITH NO SUBSTITUTION.



DOOR TYPES

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

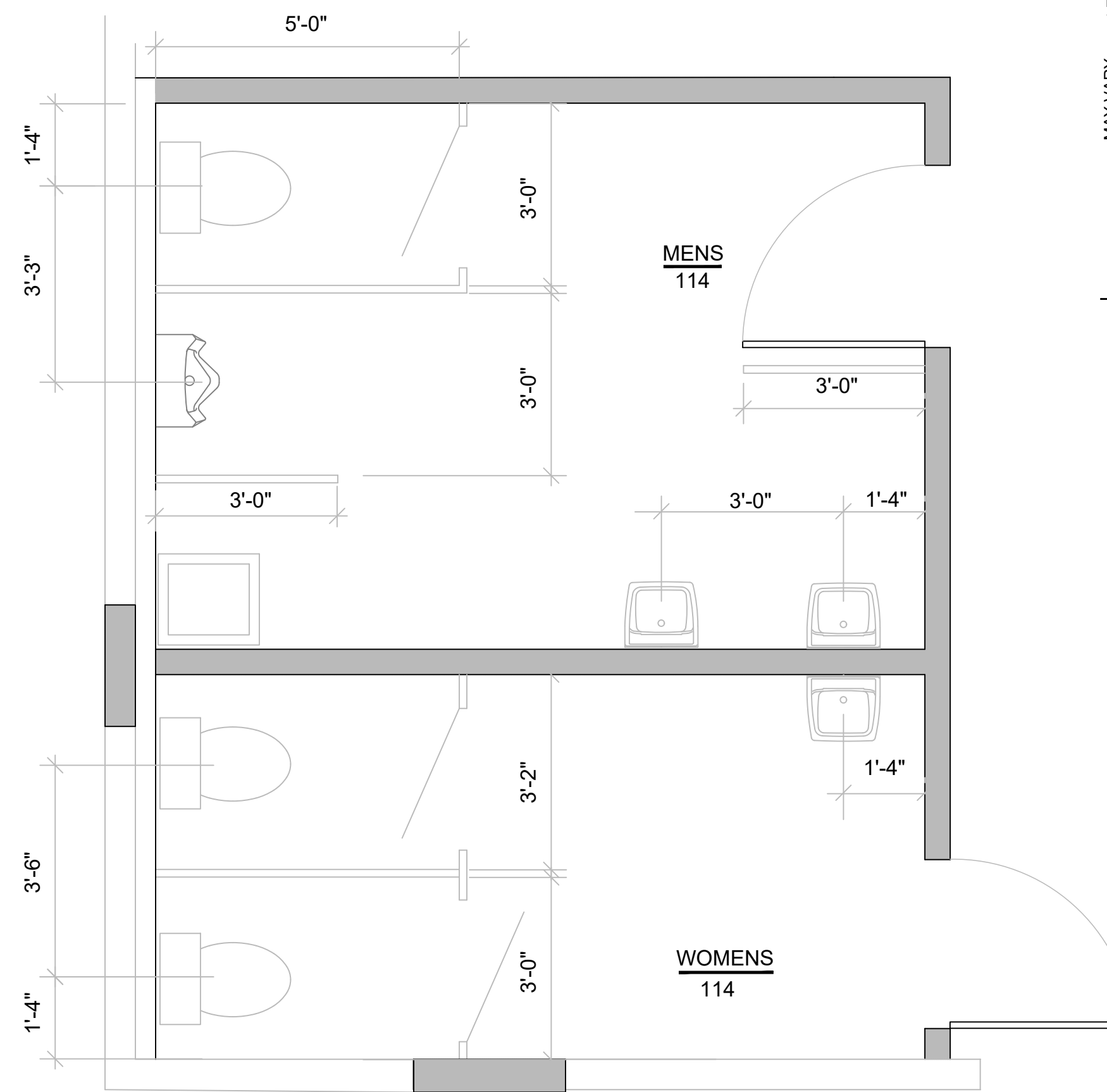


DOOR FRAME TYPE

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

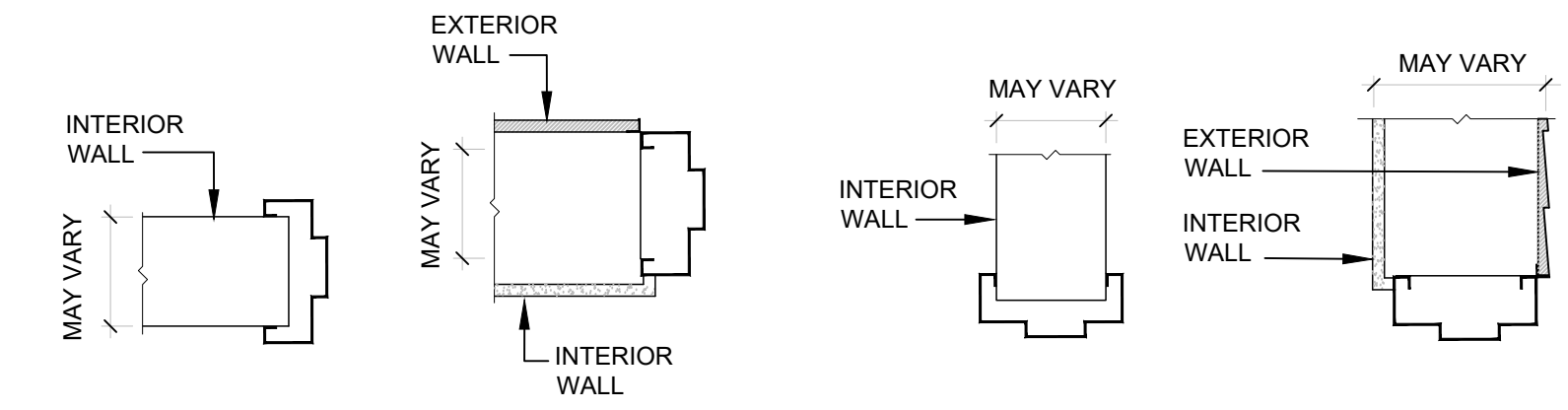
PAINT SCHEDULE

GYPSUM BOARD
 1 COAT PRIMER
 1 INTERMEDIATE AND TOPCOAT
 METAL DOORS/FRAMES, PORCH POSTS,
 1 COAT METAL PRIMER, WHERE METAL IS EXPOSED
 1 INTERMEDIATE AND 1 TOPCOAT



ENLARGED PLAN

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



NOTE: CONTRACTOR SHALL DETERMINE FRAME THROAT SIZE REQ.

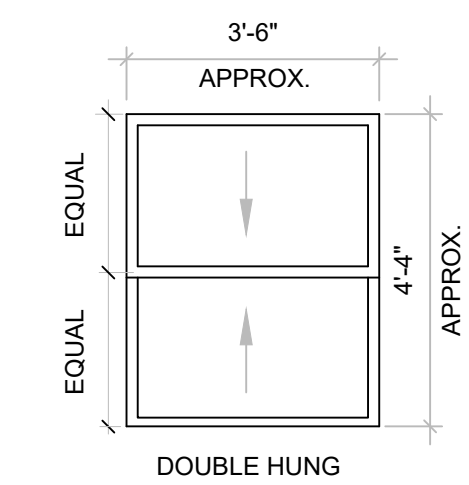
JAMB TYPE

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

NOTE: CONTRACTOR SHALL DETERMINE FRAME THROAT SIZE REQ.

HEAD TYPE

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



NOTES:
 1. WINDOW DIMENSIONS SHALL BE VERIFIED BY CONTRACTOR.
 2. WINDOW SCREENS SHALL BE PROVIDED & INSTALLED BY CONTRACTOR.
 3. REFER TO 'WINDOW DETAIL, TYP.', THIS DWG.

WINDOW TYPES

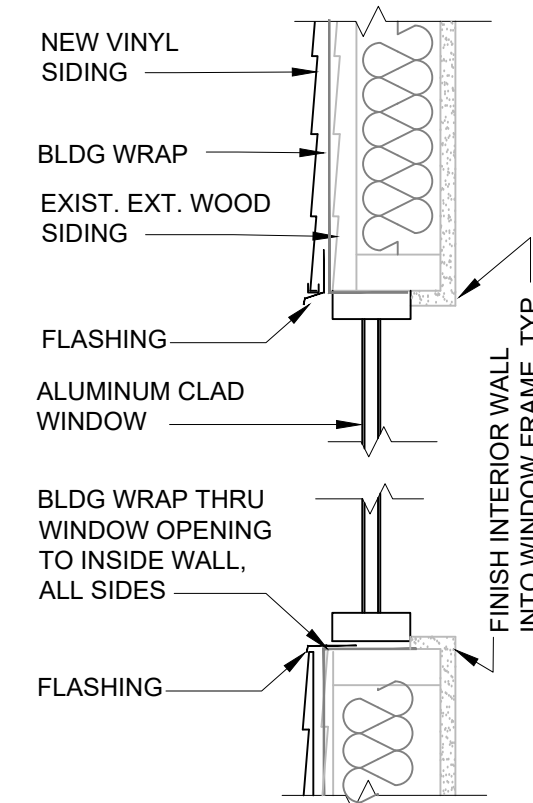
SCALE: 3/8" = 1'-0"

ROOM FINISH SCHEDULE

RM. NO.	ROOM NAME	FLOOR MATERIAL	BASE MATERIAL	WALLS				CEILING MATERIAL	CEIL. HGT.	RM. NO.
				WALL 'A'	WALL 'B'	WALL 'C'	WALL 'D'			
101	MECHANICAL/ELEC	EXIST.	NONE	EXISTING TO REMAIN				EXIST.	101	
102	KITCHEN	VCT	4" VCB	PAINT	PAINT	PAINT	F.R.P.	A.C.T.S.	8'-0"	102
103	OFFICE	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	103
104	OFFICE	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	104
105	OFFICE	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	105
106	OFFICE	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	106
107	CORRIDOR	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	107
108	CONFERENCE ROOM	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	108
109	ENTRY	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	109
110	OFFICE	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	110
111	OFFICE	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	111
112	IT	VCT	4" VCB	PAINT	PAINT	PAINT	PAINT	A.C.T.S.	8'-0"	112
113	CORRIDOR	VCT	4" VCB	F.R.P.	F.R.P.	F.R.P.	F.R.P.	A.C.T.S.	8'-0"	113
114	MENS	VCT	4" VCB	F.R.P.	F.R.P.	F.R.P.	F.R.P.	A.C.T.S.	8'-0"	114
115	WOMENS	VCT	4" VCB	F.R.P.	F.R.P.	F.R.P.	F.R.P.	A.C.T.S.	8'-0"	115

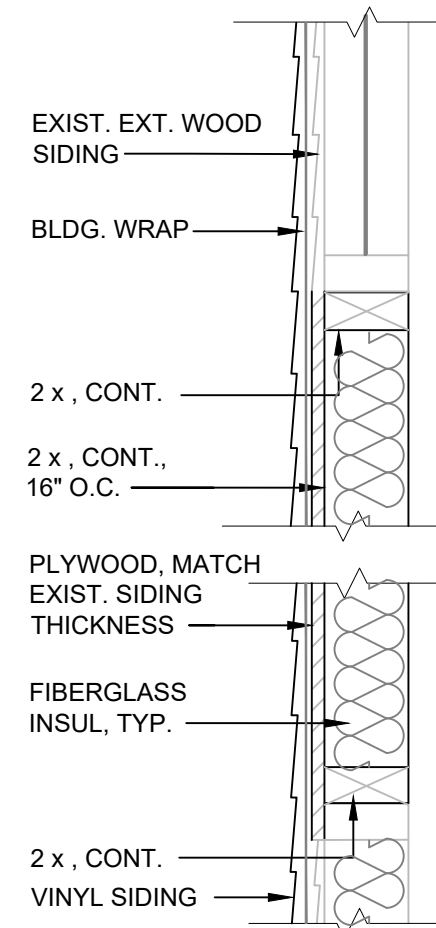
DOOR AND FRAME SCHEDULE

DOOR TYPE NUMBER	DOOR			MAT'L	TYPE	FRAME				HARDWARE	
	W	H	T			MAT'L	TYPE	JAMB DET.	HEAD DET.	SET NO.	KEY SIDE
101	4'-4"	7'-0"	1 1/4"	STEEL	1	STEEL	1	2	2	3	EXTERIOR
102	3'-0"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	2	ROOM 107
103	3'-0"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	2	ROOM 107
104	3'-0"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	2	ROOM 107
105	3'-0"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	2	ROOM 107
106	3'-0"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	2	ROOM 107
107	3'-0"	6'-8"	1 1/4"	STEEL	1	STEEL	1	2	2	1	EXTERIOR
108	3'-0"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	2	ROOM 107
109	3'-0"	6'-8"	1 1/4"	STEEL	1	STEEL	1	2	2	1	EXTERIOR
110	2'-8"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	2	ROOM 107
111	2'-8"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	2	ROOM 107
112	3'-0"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	2	ROOM 107
113	3'-0"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	4	
114	3'-0"	6'-8"	1 1/4"	STEEL	2	STEEL	1	1	1	4	
115	3'-0"	6'-8"	1 1/4"	STEEL	1	STEEL	1	2	2	1	EXTERIOR



WINDOW DETAIL, TYP.

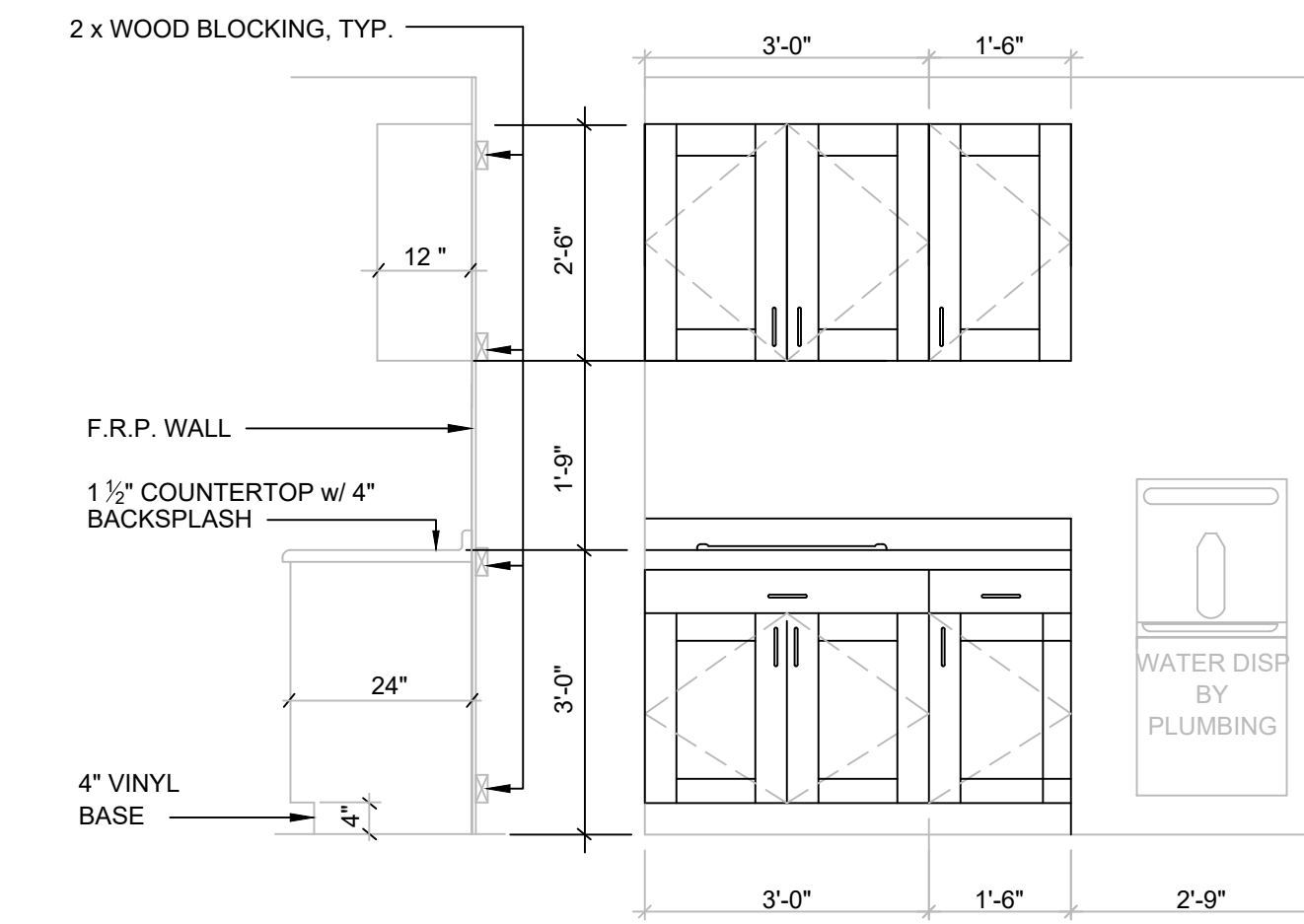
SCALE: 1 1/2" = 1'-0"



NOTES:
 1. FRAMING IS TYP. FOR ALL EXT. WALL OPENINGS TO BE IN-FILLED. OPENING SIZE MAY VARY.
 2. MODIFY 2 x WIDTH TO MATCH EXIST. WALL.
 3. PLYWOOD SHALL BE THICKNESS REQ. FOR FACE OF PLYWOOD TO BE FLUSH WITH FACE OF EXISTING WOOD SIDING.

INFILL DETAIL

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



KITCHEN ELEVATION

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

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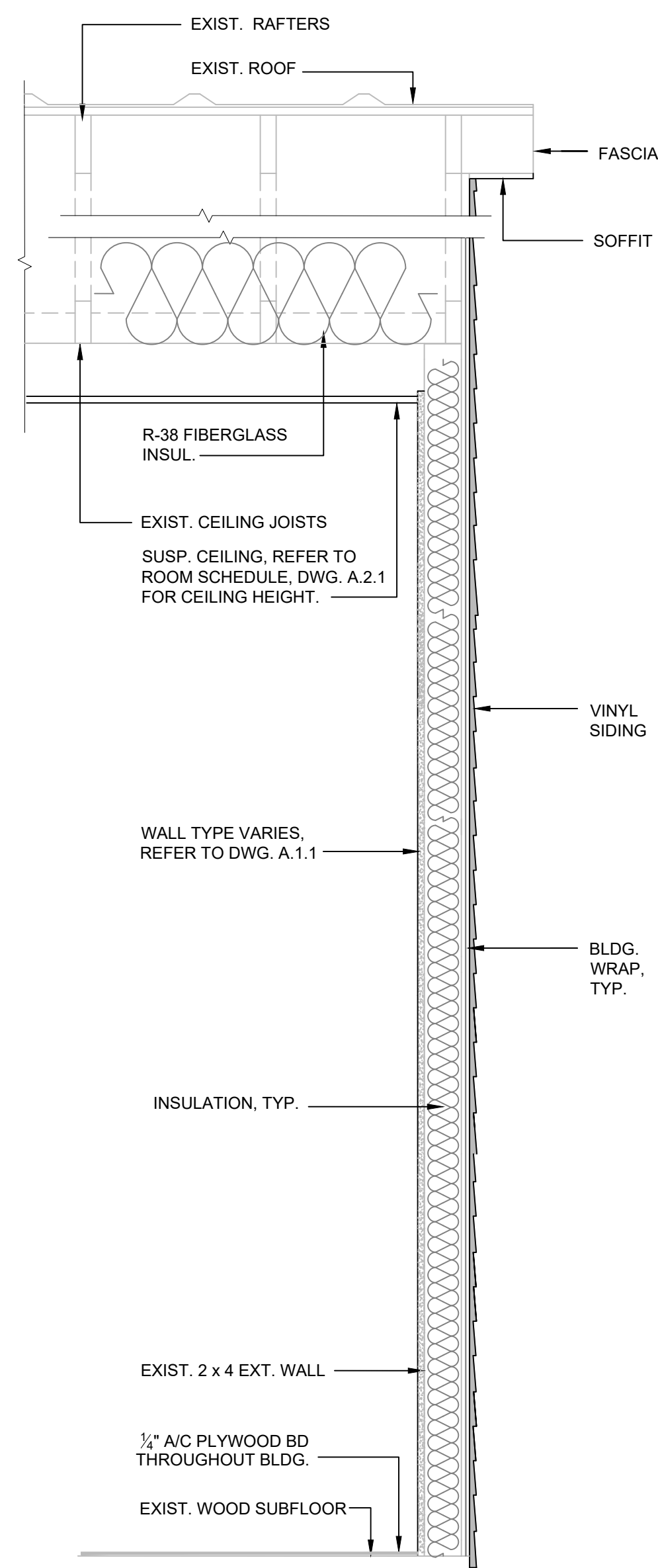
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BUILDING RENOVATION

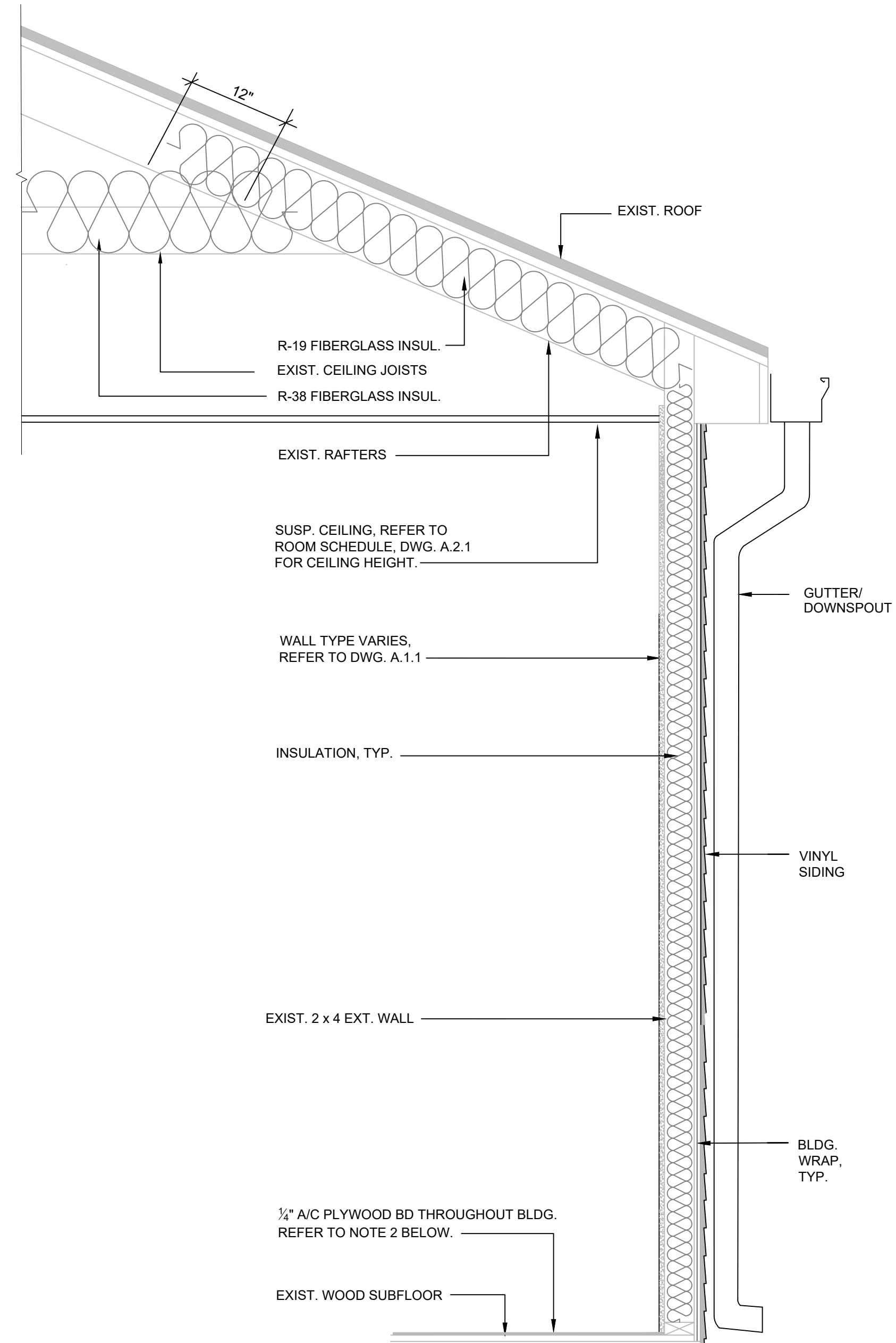
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DETAILS, SCHEDULES

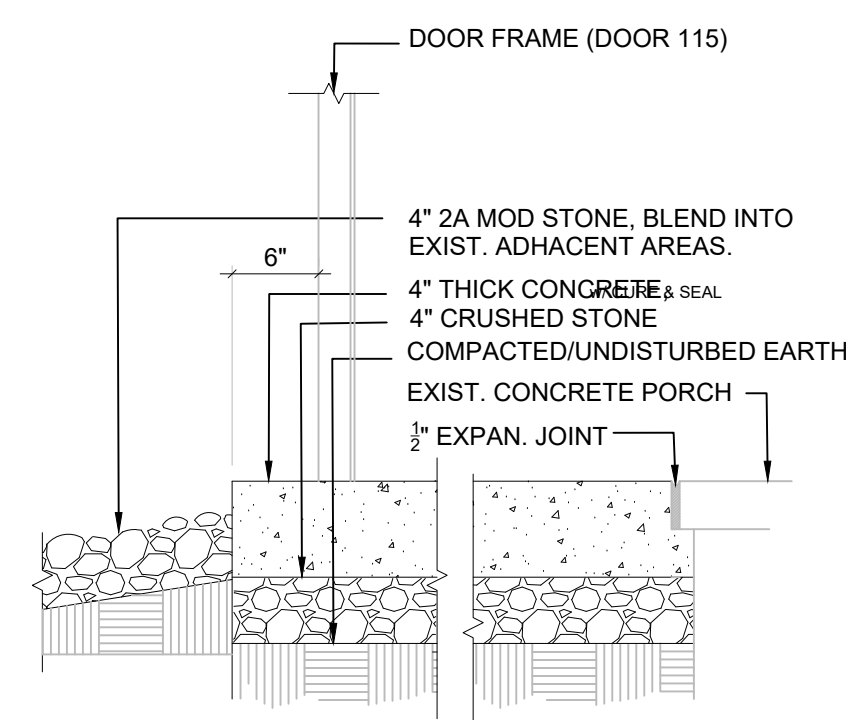
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	CHECKED BY: R. FISHBURN	SCALE: AS SHOWN	



SECTION, TYP. 1
SCALE: 1" = 1'-0"
A.2.2

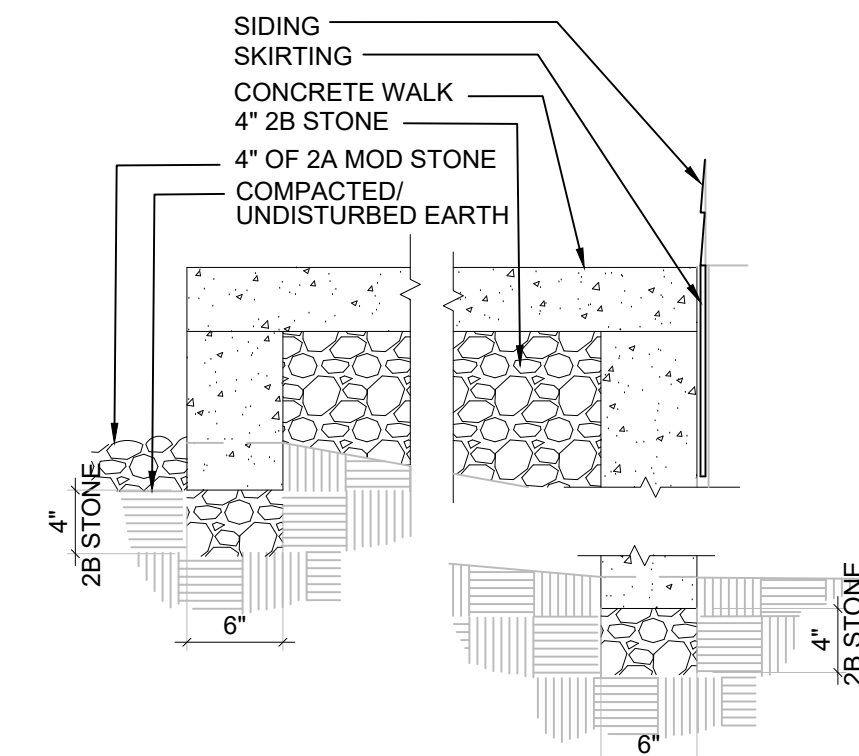


SECTION, TYP. 2
SCALE: 1" = 1'-0"
A.2.2



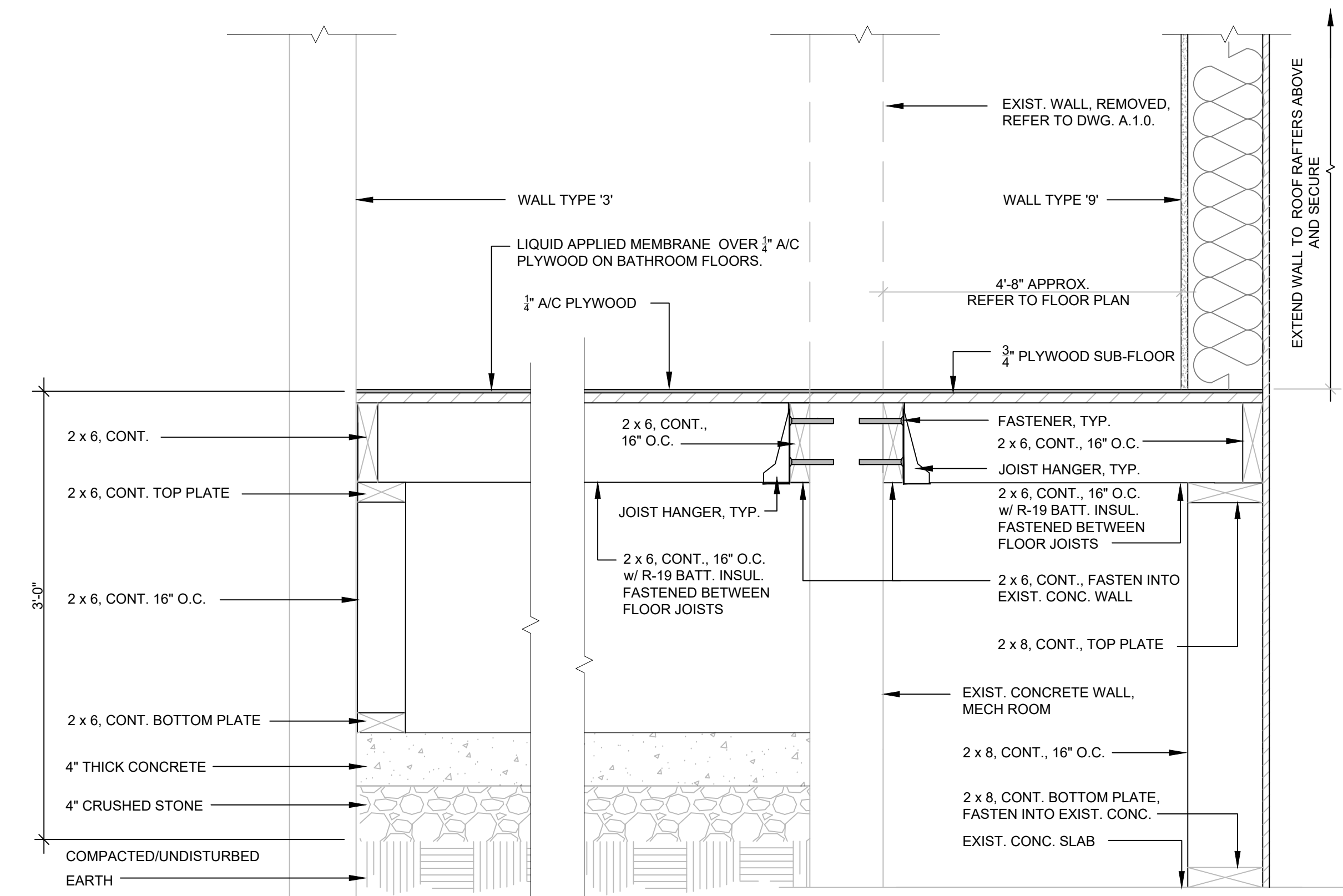
NOTE: BRUSH FINISH TOP OF CONCRETE. REFER TO FLOOR PLAN, DWG A.1.1 FOR DIMENSIONS OF CONCRETE AREAS.

CONCRETE WALK DETAIL
SCALE: 1" = 1'-0"



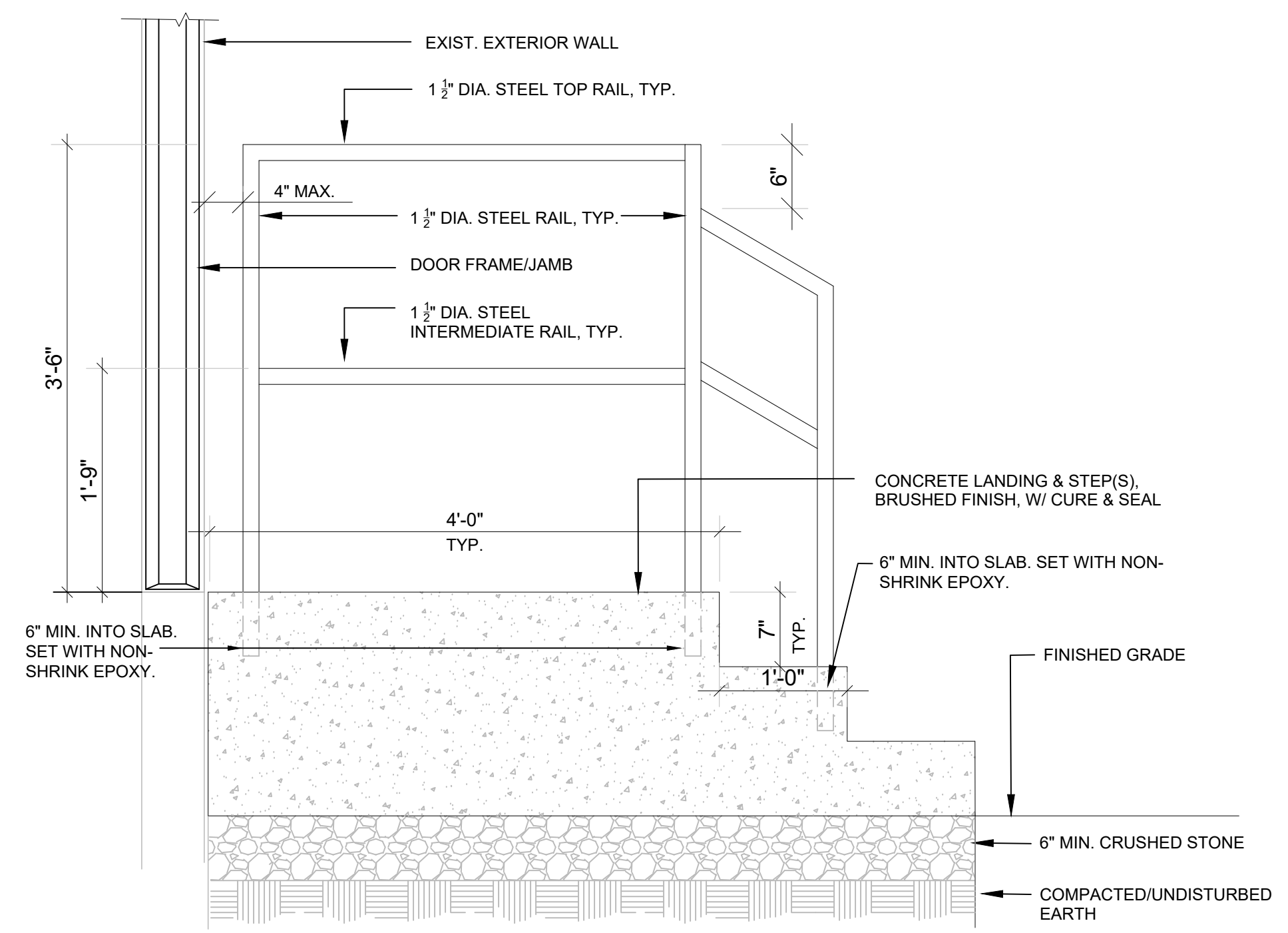
NOTE: BOTTOM OF CONCRETE VERTICAL SUPPORT WALL SHALL EXTEND TO 4" BELOW FINISHED GRADE/2A MOD STONE

CONCRETE WALK CROSS SECTION DETAIL
SCALE: 1" = 1'-0"



NOTE: 1. FINISHED FLOOR ELEVATION OF NEW FLOOR SHALL BE LEVEL WITH FINISHED FLOOR ELEVATION OF EXISTING ADJACENT FLOOR, TO INCLUDE FLOOR FINISHES.
2. COORDINATE WITH PLUMBING CONTRACTOR WHEN BUILDING WALL(S) TO ACCOMMODATE PLUMBING PIPING.

RAISED FLOOR DETAIL
SCALE: 1 1/2" = 1'-0"



NOTE: HEIGHT OF LANDING ABOVE EXISTING GRADE AND NUMBER OF STEPS MAY VARY TO REACH FINISHED GRADE CONTRACTOR SHALL DETERMINE NUMBER OF STEPS REQUIRED BASED UPON FINISHED GRADE.

LANDING/STEPS DETAIL
SCALE: 1" = 1'-0"

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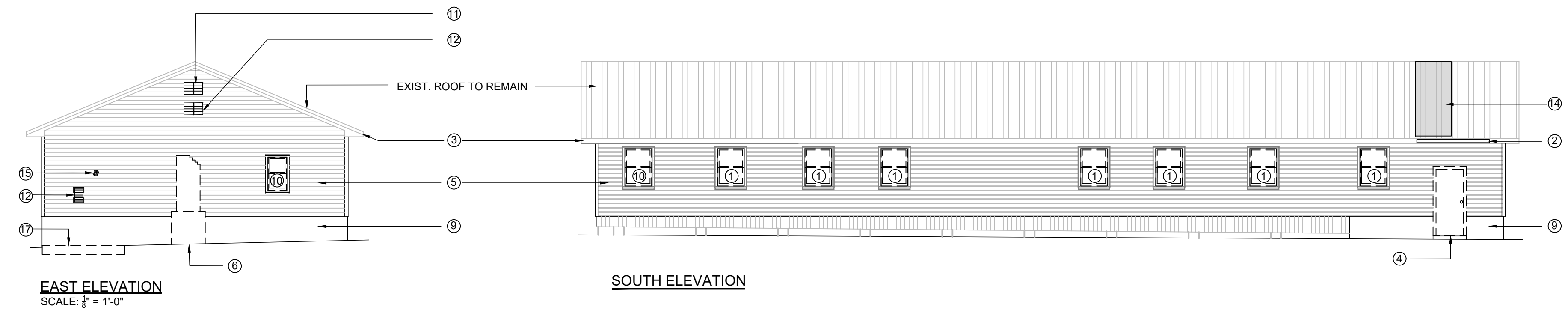
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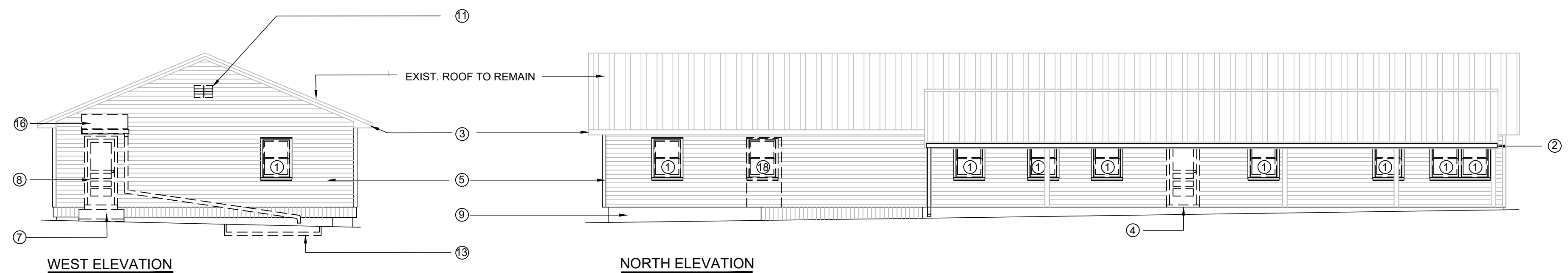
DETAILS, SECTIONS

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	CHECKED BY: R. FISHBURN	SCALE: AS SHOWN	



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

SOUTH ELEVATION

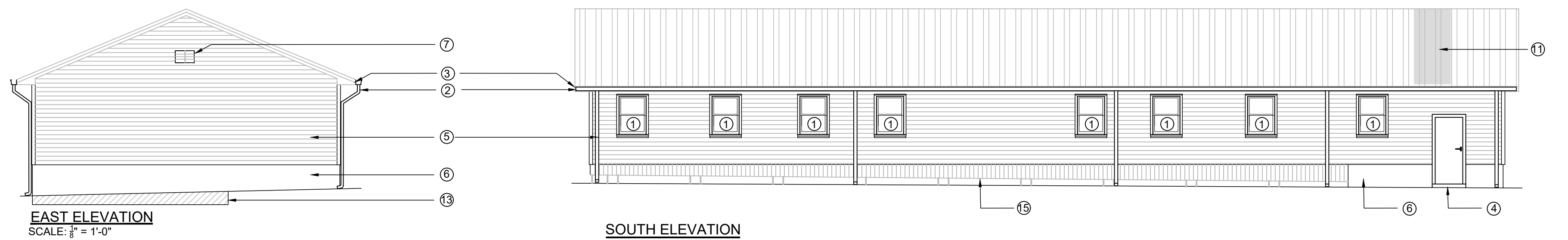


WEST ELEVATION

NORTH ELEVATION

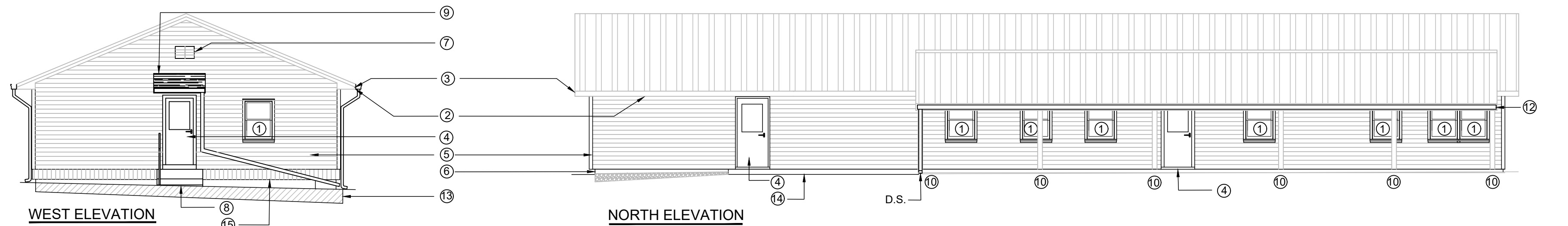
ELEVATIONS DEMOLITION

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



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

SOUTH ELEVATION



WEST ELEVATION

NORTH ELEVATION

ELEVATIONS CONSTRUCTION

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

GENERAL NOTES

- A. ELEVATIONS ARE DIAGRAMMATIC ONLY AND MAY NOT REFLECT EXISTING CONDITIONS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. DRAWING SHALL NOT BE SCALED FOR DIMENSIONS.
- B. ALL AREAS RECEIVING NEW WORK SHALL BE PREPARED PROPERLY.

DEMOLITION NOTES

1. DEMOLISH EXISTING WINDOW AND PREPARE OPENING FOR NEW WINDOWS.
2. DEMOLISH EXIST GUTTERS AND DOWNSPOUTS.
3. REMOVE EXISTING ALUMINUM FASCIA. EXISTING FASCIA BOARD TO REMAIN.
4. DEMOLISH EXISTING DOOR AND FRAME, TO INCLUDE HARDWARE. RETURN LOCKSET TO GOVERNMENT.
5. DEMOLISH EXISTING SIDING, SOFFIT, SKIRTING AND ASSOCIATED ITEMS.
6. DEMOLISH EXISTING MASONRY CHIMNEY AND ASSOCIATED ITEMS.
7. DEMOLISH EXISTING CONCRETE LANDING/STEPS.
8. DEMOLISH EXISTING DOOR/FRAME. PREPARE OPENING FOR CLOSURE. REFER TO 'WALL TYPE 10', DWG. A.1.1.
9. REMOVE ALL DEBRIS/LOOSE PAINT FROM FOUNDATION WALL. PREPARE FOR PAINTING.
10. DEMOLISH EXISTING WINDOW AND PREPARE OPENING FOR CLOSURE. REFER TO 'INFILL DETAIL', DWG. A.2.1.
11. REMOVE AND RETAIN EXISTING GABLE VENT. PREPARE FOR PAINTING.
12. DEMOLISH EXISTING VENT, AND PREPARE OPENING FOR CLOSURE. REFER TO 'INFILL DETAIL', DWG. A.2.1.
13. REMOVE LUMBER AND ASSOCIATED ITEMS, AND DEBRIS FROM THIS SIDE OF BUILDING.
14. REMOVE EXISTING ROOF PANELS NECESSARY TO CLOSE OPENING FROM ELECTRICAL MAST REMOVAL. MAST REMOVAL BY ELECTRICAL CONTRACTOR.
15. REMOVE THROUGH WALL PIPE AND PREPARE FOR CLOSURE.
16. DEMOLISH EXIST. ROOF, GUTTER, DOWNSPOUT AND ALL ASSOCIATED ITEMS.
17. DEMOLISH EXIST. CONCRETE PAD TO INCLUDE STONE BASE.
18. DEMOLISH EXISTING WINDOW AND CREATE OPENING FOR NEW DOOR. REFER TO 'DOOR AND FRAME SCHEDULE', DWG. A.2.1 FOR DOOR SIZE.

CONSTRUCTION NOTES

1. INSTALL NEW DOUBLE HUNG TYPE ALUMINUM CLAD WINDOWS. REFER TO 'WINDOW TYPES', DWG. A.2.1.
2. INSTALL NEW GUTTERS AND DOWNSPOUTS. NEW GUTTERS SHALL RUN ENTIRE LENGTH OF EAVES. INSTALL 1 SPLASHBLOCK FOR EACH DOWNSPOUT TO DIRECT WATER AWAY FROM BUILDING.
3. INSTALL NEW ALUMINUM FASCIA. REPORT ALL DETERIORATED FASCIA BOARD TO DEPARTMENT PRIOR TO INSTALLING NEW MATERIALS.
4. INSTALL NEW DOORS/FRAMES AND HARDWARE. REFER TO 'DOOR SCHEDULE AND HARDWARE SCHEDULE', DWG. A.2.1.
5. INSTALL NEW SIDING, SOFFIT, SKIRTING, AND ALL ASSOCIATED ITEMS ON ENTIRE BUILDING.
6. PAINT MASONRY FOUNDATION WALL.
7. PAINT AND RE-INSTALL EXIST. VENT. PROVIDE SCREEN TO FIT OPENING.
8. INSTALL CONCRETE LANDING/STEPS AND RAILING. REFER TO 'LANDING/STEPS DETAIL', DWG. A.2.2.
9. CONSTRUCT NEW ROOF, REFER TO ROOF DETAIL, DWG. A.2.2.
10. PREPARE AND PAINT COLUMN.
11. FRAME IN OPENING FROM ELECTRICAL MAST REMOVAL WITH LIKE MATERIALS. INSTALL NEW REPLACEMENT ROOF PANELS TO MATCH EXISTING PROFILE AND SIZE. EXISTING ROOF PANELS ARE EVERLAST II, 26 GAUGE, COLOR IVY.
12. INSTALL NEW FASCIA, GUTTER, AND DOWNSPOUT ON PORCH ROOF. DOWNSPOUT LOCATION SHALL BE AS INDICATED ON NORTH ELEVATION PLAN, THIS DWG.
13. PROVIDE AND INSTALL FILL, 4" TOPSOIL TO DISTURBED AREA. GRADE TO BLEND INTO ADJACENT AREAS. SEED.
14. NEW CONCRETE WALK. REFER TO 'CONCRETE WALK' DETAIL, DWG. A.2.2. ADD FILL (TAMPED) AND 4" 2A MOD STONE AROUND NEW WALK AREA TO 2" BELOW TOP OF NEW CONCRETE WALK AND EXTEND FILL/STONE TO EAST END OF BUILDING ON NORTH SIDE. ADD STONE ON NORTH SIDE FROM CONCRETE WALK TO EXIST. STONE PARKING AREA. TO BLEND INTO EXISTING ADJACENT AREAS. CLEAR ALL GRASS/WEEDS FROM NORTH SIDE OF BUILDING IN PREPARATION FOR FILL AND STONE.
15. CLOSED-CELL POLYURETHANE SPRAY FOAM SHALL BE APPLIED TO UNDERSIDE OF BUILDING AT 3" DEPTH, AT ALL LOCATIONS THAT CAN BE ACCESSED BY SPRAY FOAM EQUIPMENT.

NO.	DESCRIPTION	DATE
REVISIONS		

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
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BLDG. 0-10 FORT INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PA 17003

DMVA PROJECT NO.: 42220110

BUILDING RENOVATION

BUILDING 4-19, SERVICE ROAD, FTIG
ANNVILLE, LEBANON COUNTY, PA 17003

EXTERIOR ELEVATION PLANS

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY: L. DUFFY	DATE: 18 APR 2023	DRAWING NO. A.3.1
	CHECKED BY: R.FISHBURN	SCALE: AS SHOWN	

DIFFUSER KEY

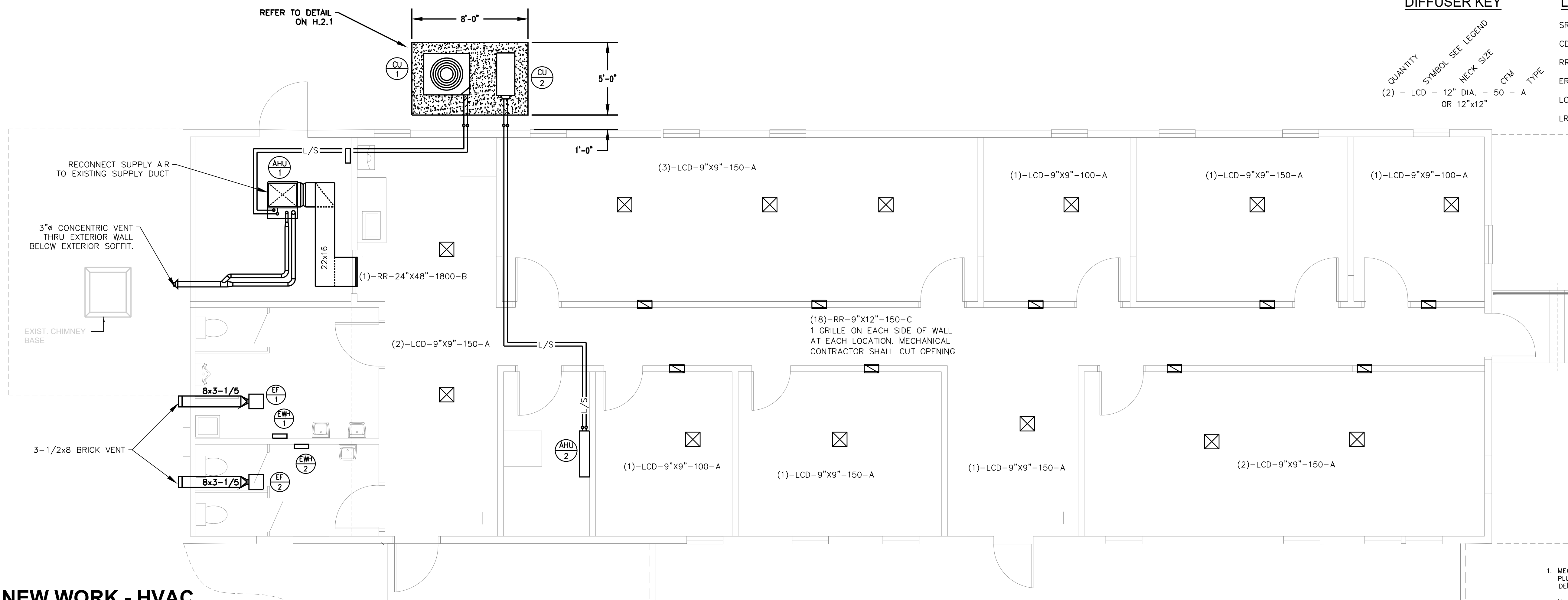
QUANTITY SYMBOL SEE LEGEND
 NECK SIZE CFM TYPE
 (2) - LCD - 12" DIA. - 50 - A
 OR 12"x12"

LEGEND

SR = SUPPLY REGISTER
 CD = CEILING DIFFUSER
 RR = RETURN REGISTER
 ER = EXHAUST REGISTER
 LCD = LAY-IN CEILING DIFFUSER
 LRR = LAY-IN RETURN REGISTER

DIFFUSERS AND REGISTERS TYPES

A = TUTTLE & BAILEY MODEL AGITAIR RC
 B = TUTTLE & BAILEY MODEL CRE500
 W/TUTTLE & BAILEY MODEL A45 MOUNTING FRAME
 C = TUTTLE & BAILEY MODEL T75D 1/2" SPACING



NEW WORK - HVAC

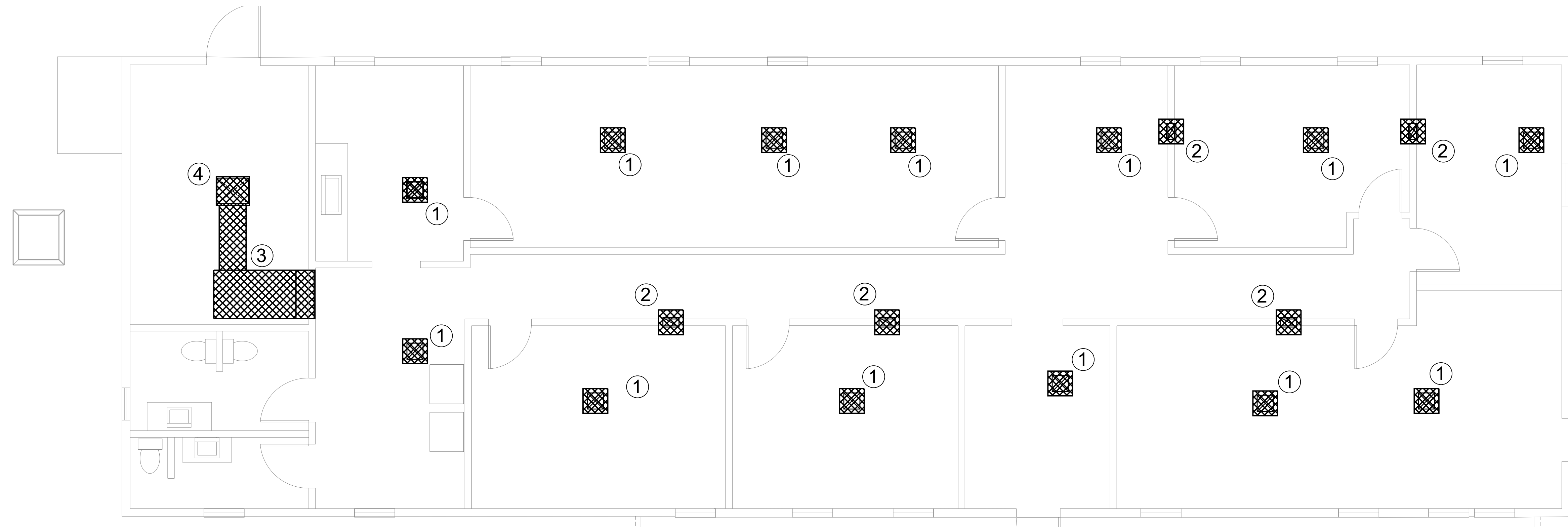
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

- MECHANICAL (2) CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL PLUMBING RELATED EQUIPMENT, FIXTURES, PIPING, PIPING ACCESSORIES, ETC. REMOVED DURING DEMO WORK.
- MECHANICAL (2) CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THAT OF OTHER TRADES.

DEMOLITION NOTES

- REMOVE EXISTING SUPPLY GRILLE AT THE FLEX DUCT CONNECTION. DISPOSE OF GRILLE AS NECESSARY. RETAIN FLEX DUCTWORK FOR RECONNECTION TO NEW GRILLE.
- REMOVE EXISTING RETURN / TRANSFER GRILLE.
- REMOVE EXISTING RETURN AIR DUCTWORK AND RETURN AIR GRILLE.
- REMOVE EXISTING GAS FURNACE INCLUDING FLUE AND COMBUSTION AIR PVC PIPING. TURN OFF GAS AND DISCONNECT GAS PIPING AT NEAREST THREADED FITTING OR UNION. PROTECT GAS PIPING TO REMAIN FOR RECONNECTION TO NEW GAS FIRED FURNACE. EXISTING SUPPLY AIR DUCT RISER TO REMAIN FOR RECONNECTION TO NEW FURNACE.



DEMO PLAN - HVAC

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

NO.	DESCRIPTION	DATE
REVISIONS		

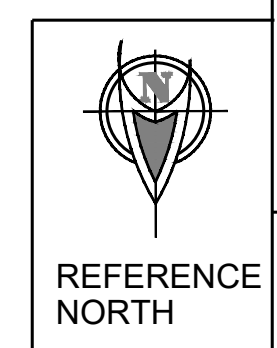
COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF MILITARY AND VETERANS AFFAIRS BUREAU OF DESIGN AND PROJECT MANAGEMENT BLDG. 0-10 FORT INDIANTOWN GAP ANNVILLE, LEBANON COUNTY, PA 17003		
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DMVA PROJECT NO.: 42220110

BUILDING RENOVATION

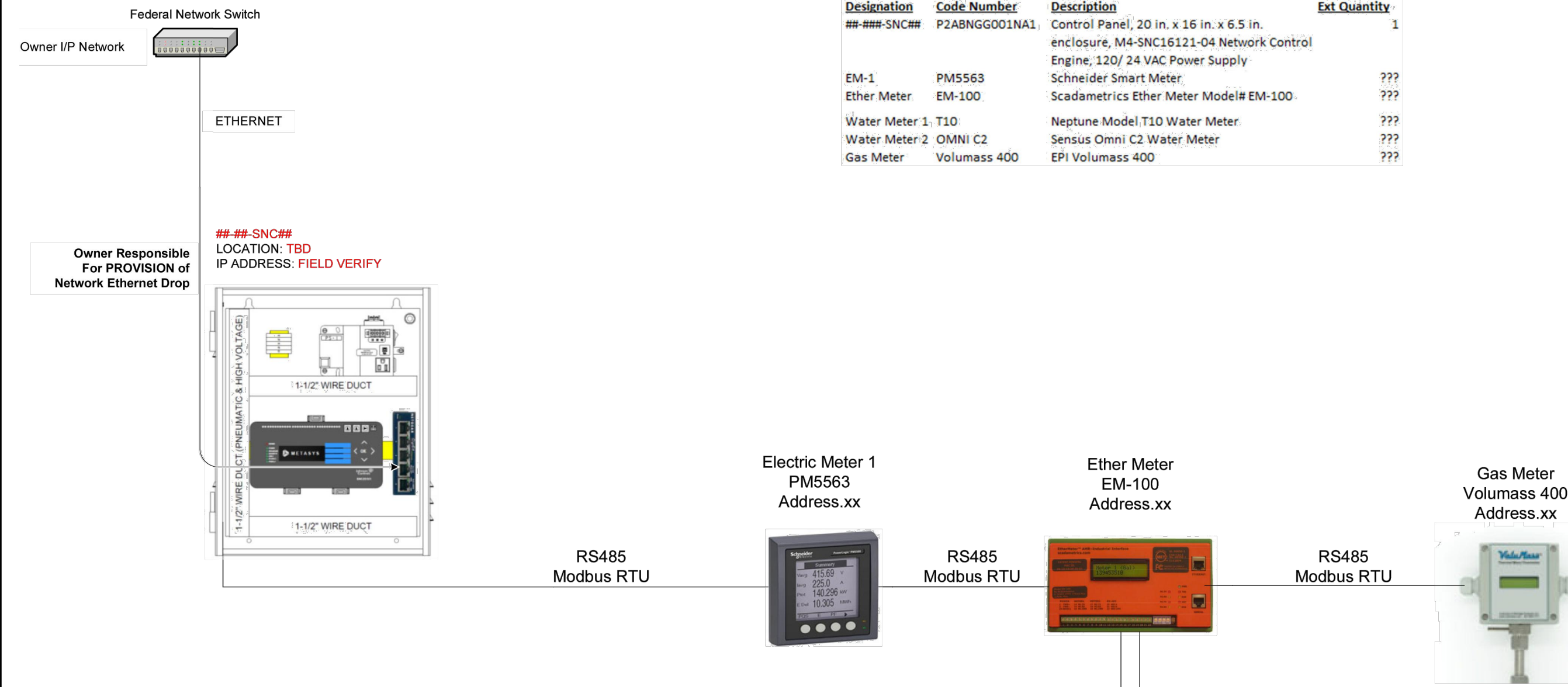
BUILDING 4-19, SERVICE ROAD, FTIG
 ANNVILLE, LEBANON COUNTY, PA 17003

HVAC PLANS



CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY: B. TOEVS	DATE: 18 APR. 2023	DRAWING NO. H.1.1
	CHECKED BY:	SCALE: AS SHOWN	

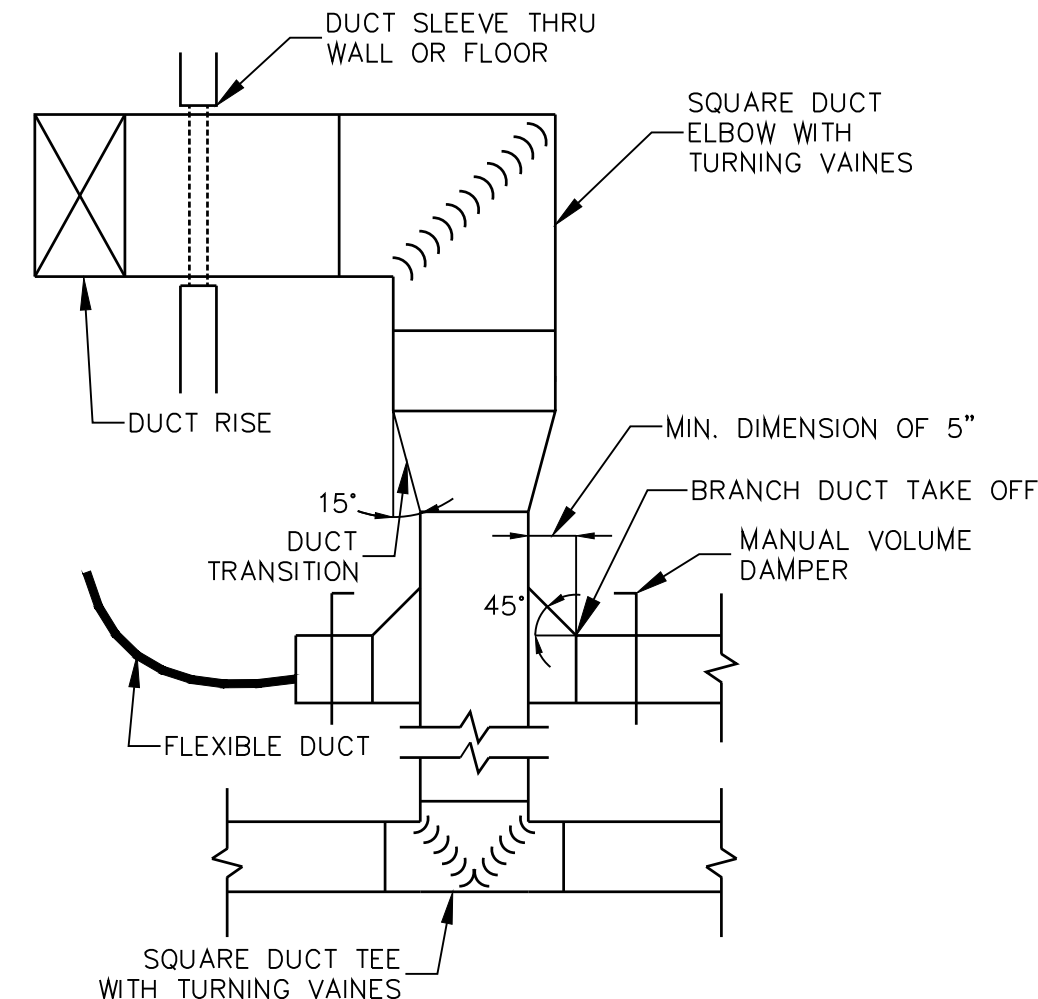
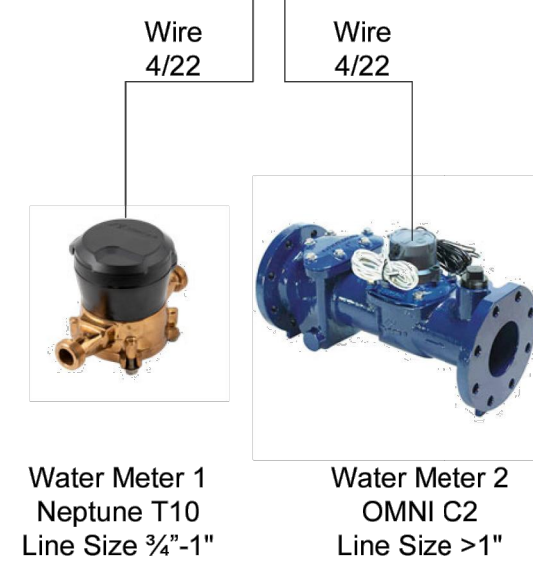
Sample Meter Flow Layout



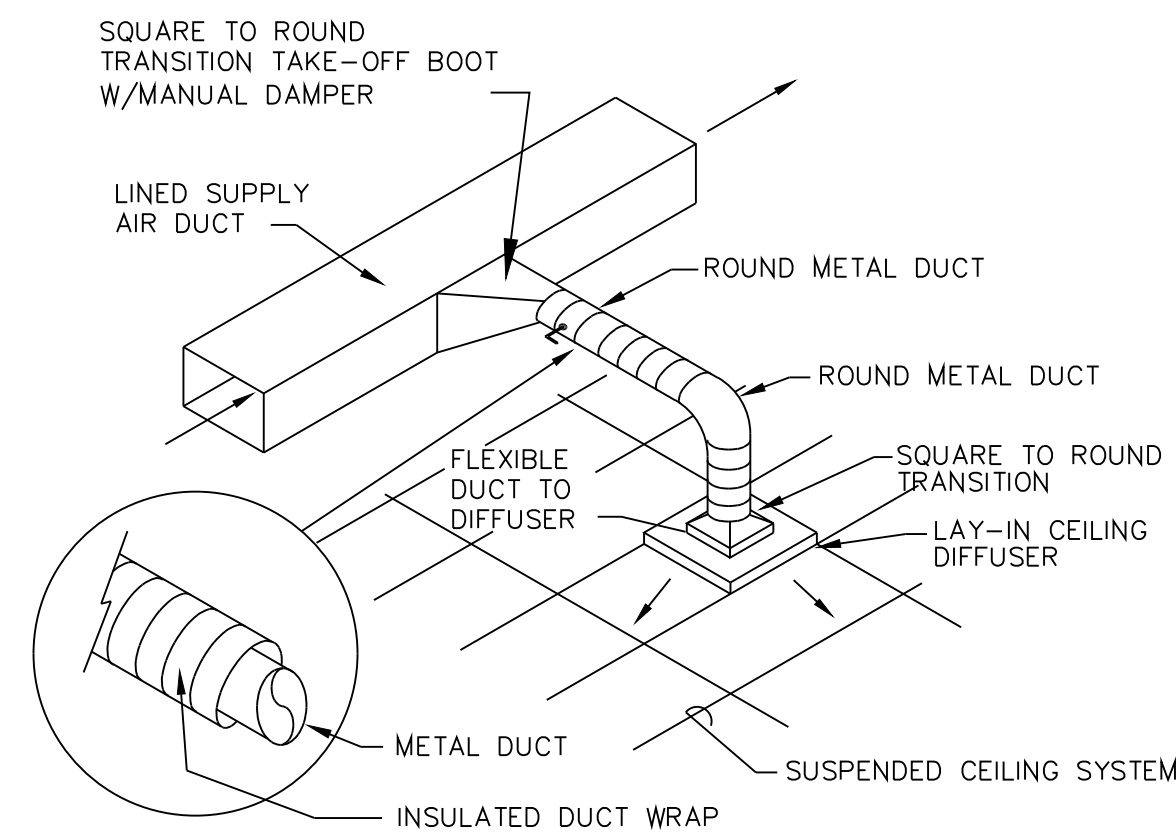
BUILDING MANAGEMENT SYSTEM - CONTROLS

1. PROVIDE BUILDING MANAGEMENT SYSTEM (BMS) CONTROL PANEL. SYSTEM SHALL BE JOHNSON CONTROLS METASYS AND BE AN EXTENSION OF THE EXISTING BASE-WIDE BUILDING MANAGEMENT SYSTEM.
 2. CONTACT CHRISTOPHER BARLOW AT JCI, 717-712-1871
- BMS WILL INTERFACE TO AC SYSTEMS FOR REMOTE MONITORING. BMS CONTRACTOR WILL FURNISH GAS SUBMETER MODEL AL-800 AND IMAC PULSOMATIC TRANSMITTER (WATER SUBMETER). CONNECT ELECTRIC SMART METER TO BMS.

Drawing Title		Sample Meter Flow Layout	
Project Title		FTIG MATOC Metering	
DATE	2/16/2022	BY	BK
APPROVED		[Signature]	

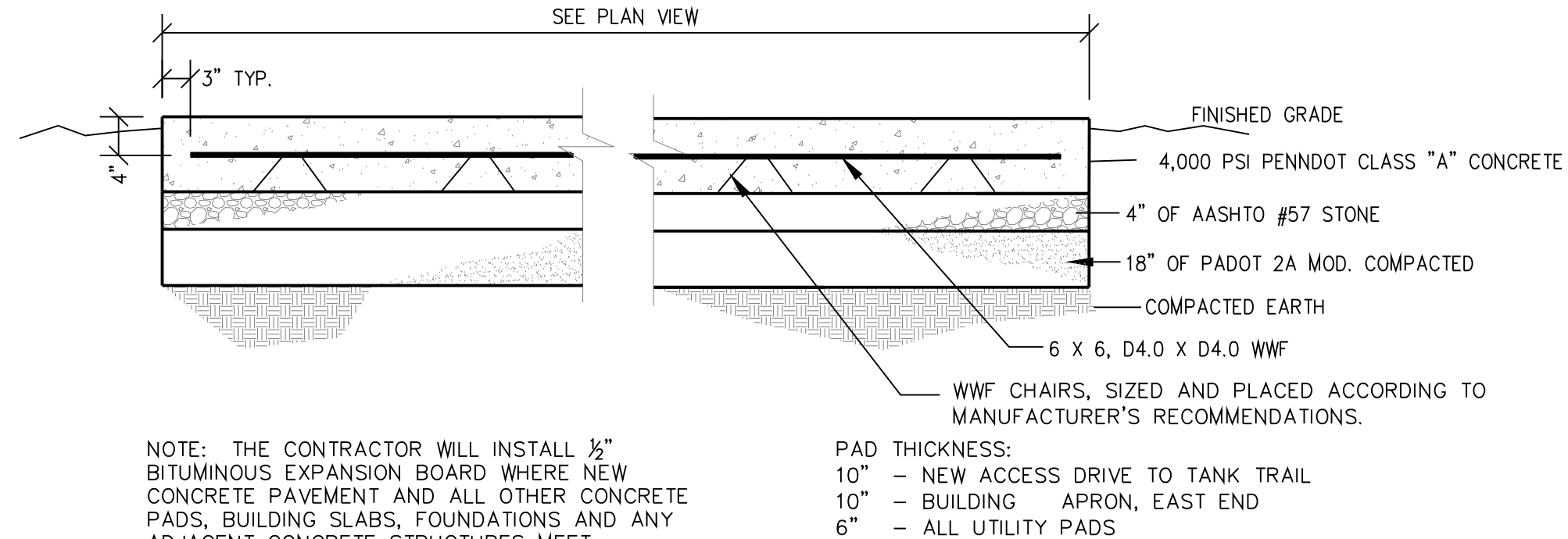


DUCT CONSTRUCTION DETAILS
NO SCALE



TYPICAL BRANCH DUCT CONNECTION DETAIL
NO SCALE

- NOTES
1. PROVIDE ALL MATERIALS AND LABOR FOR COMPLETE AND PROPERLY FUNCTIONING MECHANICAL SYSTEMS. WARRANTY ALL WORK AND ALL MATERIALS, EQUIPMENT AND DEVICES FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE.
 2. WORK SHALL CONFORM TO OR MEET THE REQUIREMENTS OF THE MOST CURRENT EDITION OF:
 - A. INTERNATIONAL MECHANICAL CODE - 2015
 - B. SMACNA
 - C. ASHRAE
 - D. ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES WHICH APPLY TO THIS WORK
 3. DRAWINGS ARE DIAGMMATIC IN NATURE AND ARE NOT INTENDED TO BE SCALED FOR DIMENSIONS.
 4. ALL MATERIALS, EQUIPMENT AND DEVICES SHALL MEET THE REQUIREMENTS OF UL WHERE UL STANDARDS ARE ESTABLISHED FOR THOSE ITEMS. ALL ITEMS SHALL BE CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSE USED.
 5. COORDINATE LOCATION OF MECHANICAL WORK WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES.
 6. INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN, PRINTED INSTRUCTIONS AND RECOMMENDATIONS.
 7. ALL EQUIPMENT, PIPE AND DUCTWORK ABOVE CEILING SHALL BE SUPPORTED FROM BUILDING STRUCTURE ABOVE.
 8. ALL BUILDING PENETRATIONS SHALL BE COORDINATED WITH ARCHITECT.
 9. PROVIDE SEISMIC RESTRAINTS IN ACCORDANCE WITH IBC 2015 AS MANUFACTURED BY MASON INDUSTRIES OR APPROVED EQUAL. SUBMIT SHOP DRAWINGS FOR APPROVAL.
 10. ABOVE GRADE GAS PIPING 2" AND SMALLER SHALL BE STANDARD WEIGHT (SCHEDULE 40), BUTT WELD, BLACK STEEL, ENDS THREADED, AND COMPLY WITH ASTM A53. FITTINGS SHALL BE 150 POUND, BLACK MALLEABLE IRON, THREADED JOINT, AND COMPLY WITH ASTM A47/ANSI B16.3.
 11. ALL VENTS, DUCTS, AND SIMILAR OPENINGS IN EXCESS OF 96 SQUARE INCHES THAT ENTER OR PASS THROUGH A SAPP MUST BE PROTECTED WITH EITHER BARS OR GRILLS. IF ONE DIMENSION OF THE DUCT MEASURES LESS THAN SIX INCHES, OR DUCT IS LESS THAN 96 SQUARE INCHES, BARS OR GRILLS ARE NOT REQUIRED. BARS MUST BE 1/2 INCH DIAMETER STEEL SPOT WELDED TO THE STEEL STRUCTURE; A DEVIATION OF 1/2 INCH IN VERTICAL AND/OR HORIZONTAL SPACING IS PERMISSIBLE.



CONCRETE PAD DETAIL (TYPICAL)
NO SCALE

SYMBOL LEGEND

DOUBLE LINE DUCTWORK	SUPPLY AIR DIFFUSER
THERMOSTAT	RETURN AIR CEILING REGISTER
CONTROL TRANSFORMER	SIDEWALL SUPPLY/ OR RETURN REGISTER
AIR FLOW DIRECTION	ROOF EXHAUSTER
MANUAL BALANCING DAMPER	ROOF INTAKE HOOD
CEILING EXHAUST FAN	FIRE DAMPER
SUPPLY DUCT RISER	ELECTRIC WALL INSERT HEATER
RETURN DUCT RISER	MOTORIZED DAMPER
EXHAUST DUCT RISER	BALL VALVE
TURNING VANES	CHECK VALVE
8" INSULATED FLEXIBLE DUCT	GAS COCK
REFRIGERANT PIPING	GATE VALVE
MAKEUP AIR UNIT SWITCH, EXHAUST FAN SWITCHES, CARBON MONOXIDE AND CARBON DIOXIDE SENSOR	
PIPE RISE	
PIPE DROP	

DUCTLESS A/C FAN COIL UNIT SCHEDULE (ARI CAPACITIES)													
SYMBOL	BASIS OF DESIGN		SUPPLY FAN TOTAL C.F.M.	COOLING CAPACITY DATA			HEATING CAPACITY DATA			ELECTRICAL CHARACTERISTICS		REMARKS	
	MFG.	MODEL NO.		TOTAL M.B.H.	E.A.T. D.B.	W.B.	TOTAL M.B.H.	E.A.T. D.B.	W.B.	POWER SUPPLY RATED CURRENT	VOLTAGE		
CU-2	AHU-2	YORK	DHP18NW821S	471	20.0	80	67	23.4	70	70	11.54	208/60/1	1, 2

REMARKS
1. PROVIDE LITTLE GIANT VCM-15 SERIES CONDENSATE PUMP
2. POWER FOR AHU IS FED THROUGH THE CONDENSING UNIT. WIRING SHALL BE PROVIDED WITH REFRIGERANT LINE SET AND INDOOR POWER WIRING SHALL BE ROUTED TOGETHER

EXHAUST FAN SCHEDULE									
SYMBOL	SERVING	BASIS OF DESIGN		TYPE	C.F.M.	E.S.P.	ELECTRICAL DATA		REMARKS
		MFG.	MODEL NO.				FAN MOTOR M.O.P.	VOLTAGE	
EF-1,2	TOILET ROOM	GREENHECK	SP-A90	C	100	0.10	15	115V-1ø	1 2

REMARKS
1. PROVIDE WITH INTERNAL BACKDRAFT DAMPER, DISCONNECT SWITCH, HANGING ISOLATORS AND SQUARE TO ROUND DUCT TRANSITION.
2. PROVIDE WITH GREENHECK MODEL 5WSSC SPEED CONTROL (OR APPROVED EQUAL) FOR BALANCING TO SCHEDULED **CEILING** C = CEILING TYPE

ELECTRIC WALL HEATER SCHEDULE												
SYMBOL	LOCATION	BASIS OF DESIGN		TYPE	BTU OUTPUT	C.F.M.	TOTAL WATTS	VOLTAGE	AMPS	MOUNTING HEIGHT	UNIT DIMENSIONS DEPTH X WIDTH X HEIGHT	REMARKS
		MFG.	MODEL NO.									
EWH-1,2	RESTROOM / JC	QMARK	CWH1151DS	SM	2560	65	750	120V-1ø	6.25	18"	4" x 9" x 11"	1

REMARKS
1. UNIT SHALL BE PROVIDED WITH SELF CONTAINED THERMOSTAT, BUILT-IN POWER DISCONNECT, FAN DELAY AND COMMERCIAL GRADE STEEL GRILLE. SM = SURFACE MOUNT

SPLIT SYSTEM AIR HANDLER SCHEDULE									
SYMBOL	SERVES	TOTAL CFM	ELECTRICAL DATA		LIQUID PROPANE GAS FURNACE DATA		REMARKS		
			FAN VOLTAGE	MCA	INPUT MBH MAX/MIN	OUTPUT AFUE %		TEMP RISE °F MAX/MIN	
AHU-1	ROOMS	1,800	12	120/1	120/42	116/40	98.0	45-75/25-55	

SPLIT SYSTEM CONDENSING UNIT SCHEDULE							
SYMBOL	COOLING CAPACITY - 80°/67°		COOLING DATA		ELECTRICAL DATA		REMARKS
	TOTAL MBH	SENSIBLE MBH	NOM. TONS	EER	COND. EAT	CU VOLTAGE	
CU-1	58.0	41.0	5.0	12.5	95	21.2	208/1/60 ①②

- REMARKS
- ① BASIS OF DESIGN: YORK MODEL#YP9C120D20MP12C FURNACE / #YC60B21S CU / CF/CM64D COIL OR APPROVED EQUAL. MOUNT AIR HANDLER ON A MAINTENANCE PAD ON THE FLOOR AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE MAINTENANCE PAD, SUPPORTS AND VIBRATION ISOLATION AS REQUIRED.
 - ② FURNISH AND INSTALL UNIT WITH THE FOLLOWING ACCESSORIES:
 - A. CONDENSATE DRAIN WITH 2" DEEP TRAP.
 - B. WEATHERPROOF DISCONNECT SWITCH FOR C.U.
 - C. DISCONNECT FOR AIR HANDLER.
 - D. PROVIDE WITH LOW AMBIENT KIT.
 - E. UV LIGHT

NO.	DESCRIPTION	DATE
REVISIONS		

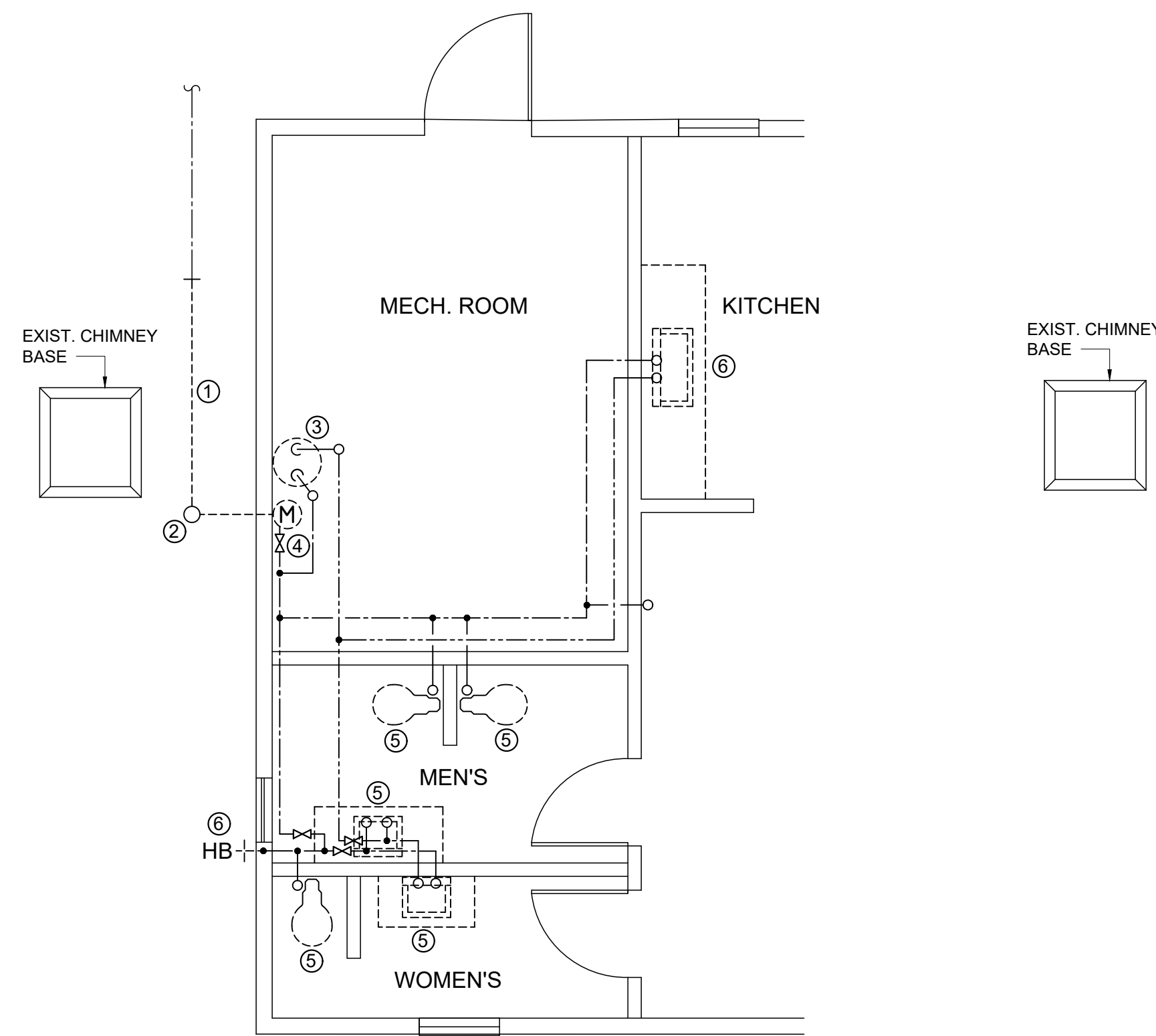
COMMONWEALTH OF PENNSYLVANIA
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BUREAU OF DESIGN AND PROJECT MANAGEMENT
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ANNVILLE, LEBANON COUNTY, PA 17003

DMVA PROJECT NO.: 42220110

BUILDING RENOVATION
BUILDING 4-19, SERVICE ROAD, FTIG
ANNVILLE, LEBANON COUNTY, PA 17003

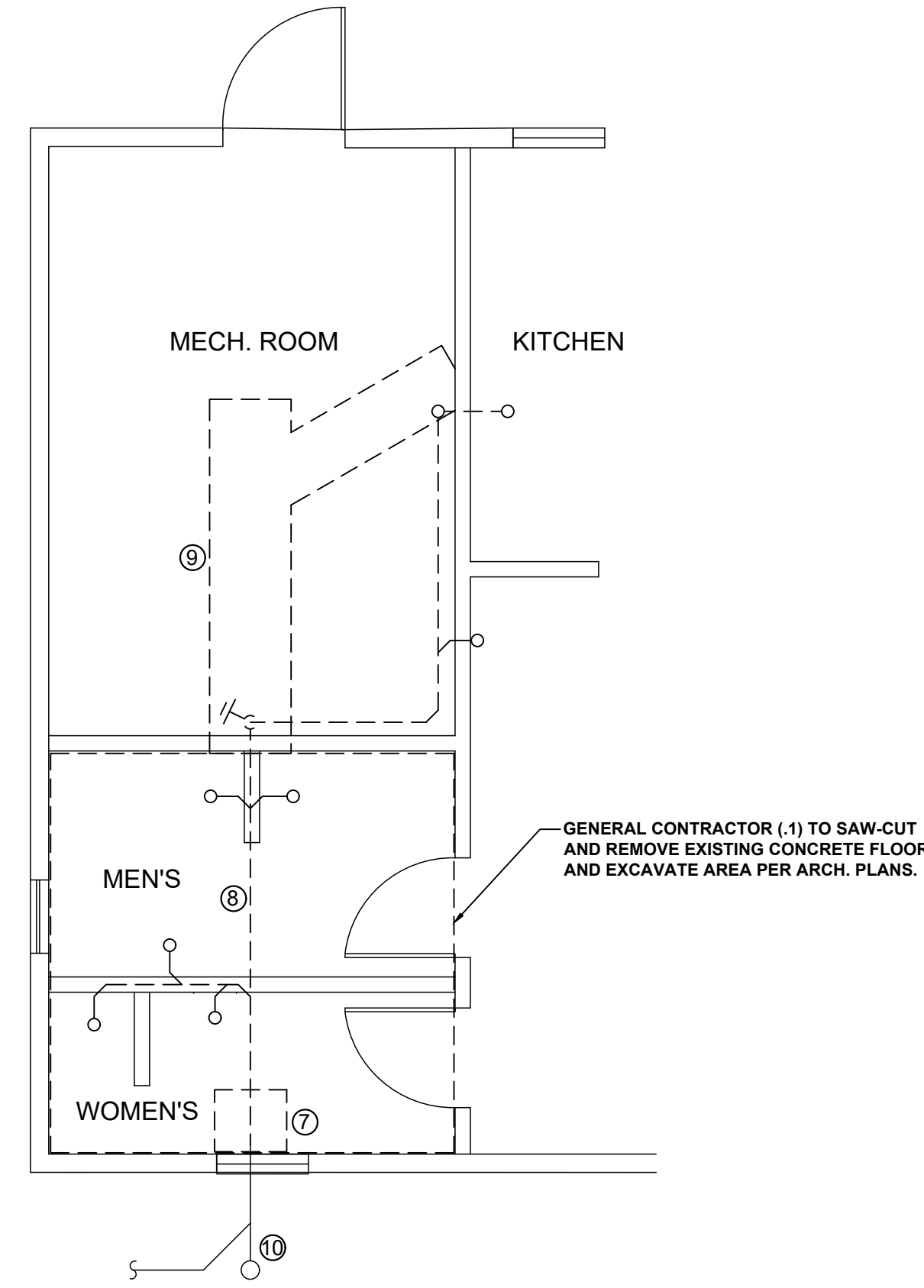
SCHEDULES, NOTES & DETAILS

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY: B. TOEVS	DATE: 18 APR. 2023	DRAWING NO. H.2.1
	CHECKED BY:	SCALE: AS SHOWN	



DEMO PLAN - FIXTURES & DOM. WATER

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



DEMO PLAN - SANITARY PIPING

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

GENERAL DEMOLITION NOTES:

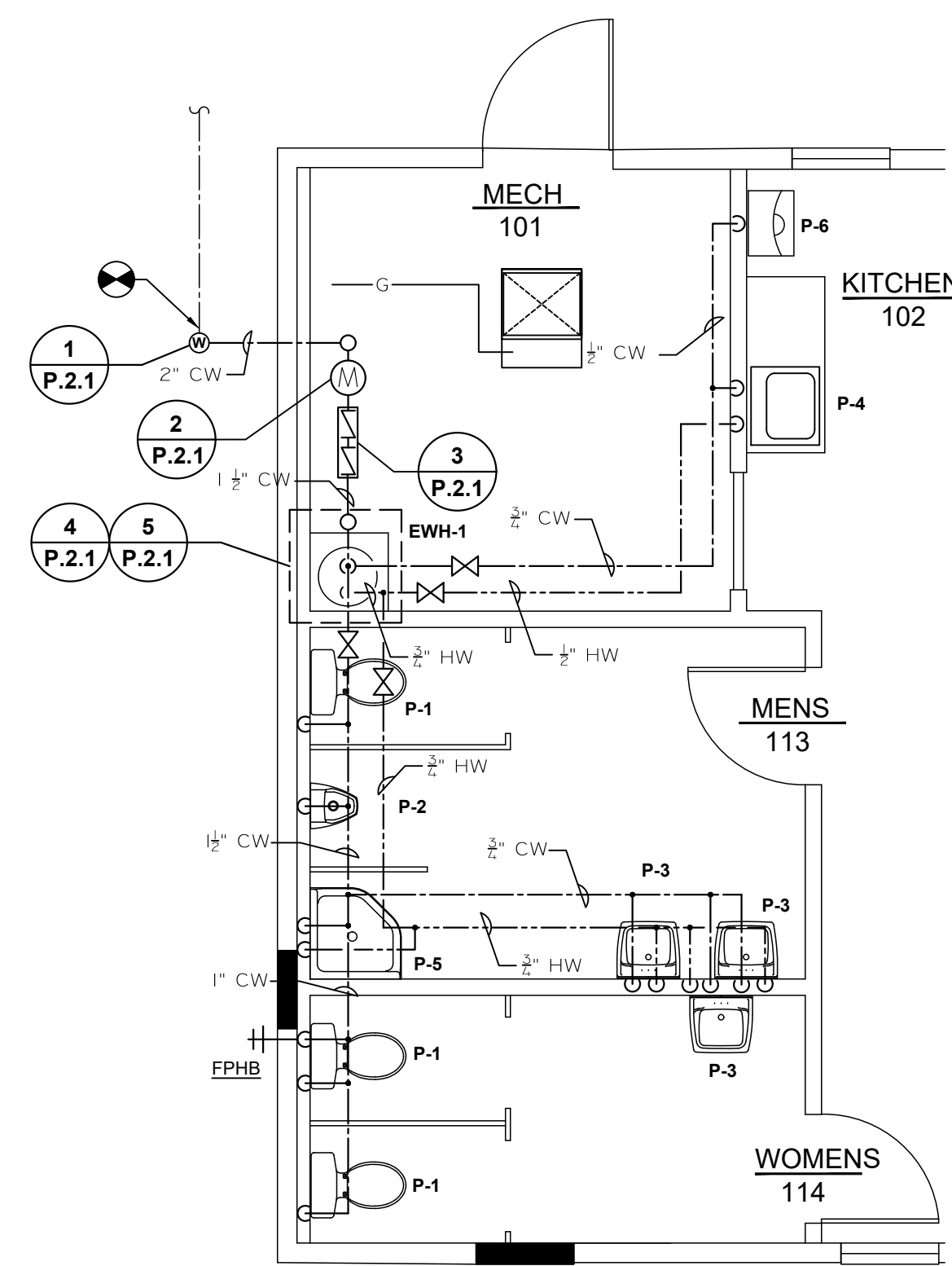
1. PLUMBING (.3) CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL PLUMBING RELATED EQUIPMENT, FIXTURES, PIPING, PIPING ACCESSORIES, ETC. REMOVED DURING DEMO WORK.
2. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THAT OF OTHER TRADES.

DEMOLITION NOTES

- 1 EXCAVATE AND REMOVE EXISTING WATER SERVICE PIPING FROM EXISTING CURB STOP TO LOCATION OF NEW CURB STOP.
- 2 REMOVE EXISTING CURB STOP AND SERVICE PIPING TO BUILDING.
- 3 REMOVE EXISTING HOT WATER HEATER AND ALL ASSOCIATED VALVES, PIPING, ETC.
- 4 REMOVE EXISTING WATER METER.
- 5 REMOVE EXISTING PLUMBING FIXTURE, TO INCLUDE ALL ASSOCIATED PIPING (WATER, SANITARY AND VENT), VALVES, ETC.
- 6 REMOVE EXISTING EXTERIOR HOSE BIB. MAINTAIN LOCATION FOR INSTALLATION OF NEW FROST-PROOF HOSE BIB.
- 7 COORDINATE WITH GENERAL CONTRACTOR TO CAREFULLY EXCAVATE THIS AREA TO DETERMINE EXACT LOCATION AND DEPTH OF THE EXISTING SANITARY SEWER SERVICE PIPING.
- 8 REMOVE ALL EXISTING SANITARY SEWER PIPING FROM CONNECTION TO EXISTING POINT TO STANDPIPE LOCATION IN MECHANICAL ROOM. REMOVE ALL BRANCH LINES TO EXISTING FIXTURES. ALL VENT PIPING TO INCLUDE EXISTING VENTS THROUGH ROOF TO BE REMOVED.
- 9 PLUMBING CONTRACTOR (.3) IS RESPONSIBLE FOR SAW-CUTTING MECHANICAL ROOM FLOOR AND EXCAVATION NECESSARY FOR THE INSTALLATION OF NEW SANITARY SEWER PIPING.
- 10 MAINTAIN AND PROTECT EXISTING YARD CLEAN OUT AND EXISTING SANITARY SEWER SERVICE TO BUILDING AND TO STREET MAIN.

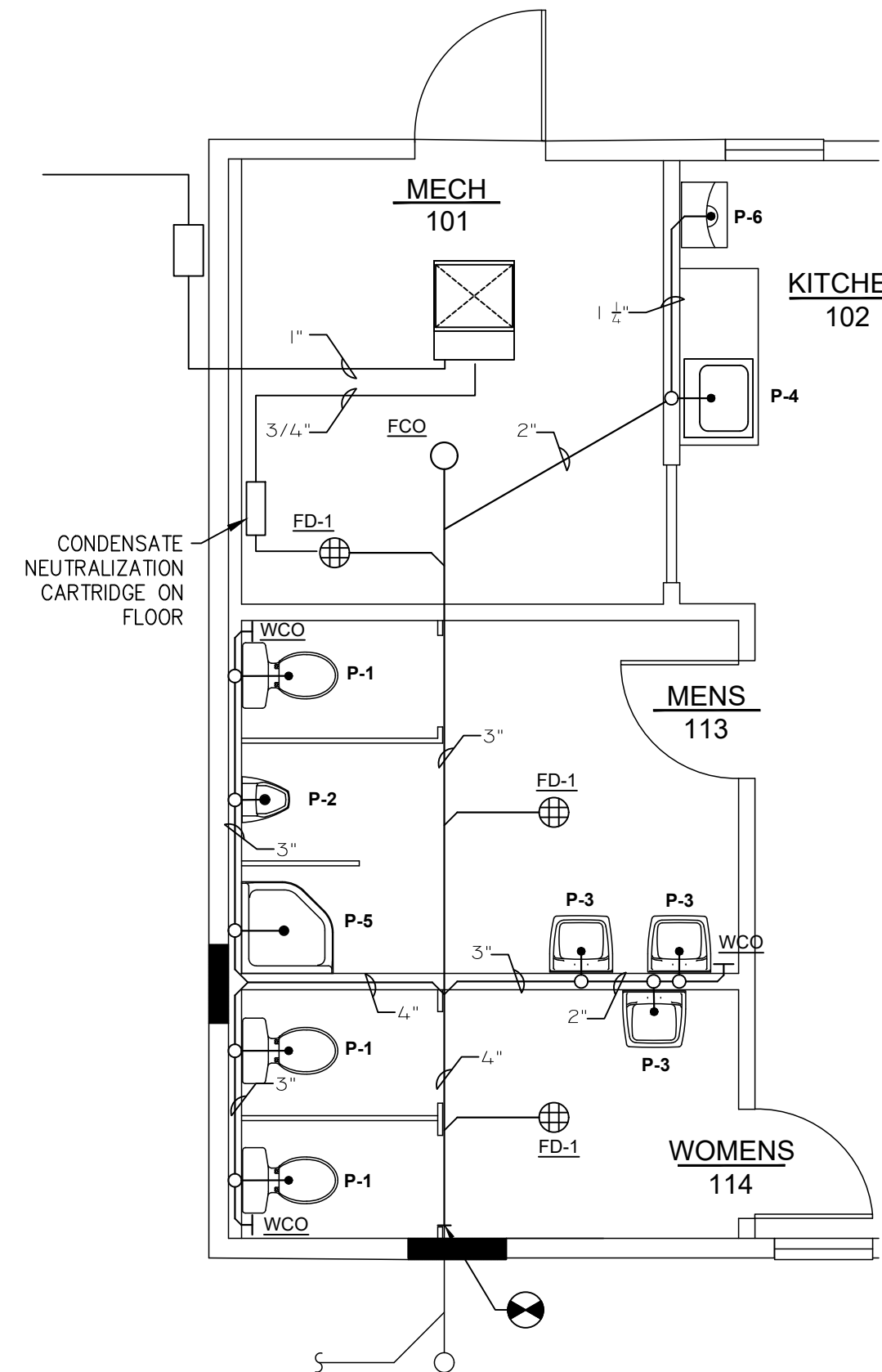
SYMBOL LEGEND

---	(CW) COLD WATER
---	(HW) HOT WATER
---	(V) VENT
---	(SAN) SANITARY
---	(G) GAS
+	EPHB FREEZE-PROOF HOSE BIBB
+	HB HOSE BIBB
⊠	RPZ BACKFLOW PREVENTER
⊘	WHA WATER HAMMER ARRESTOR
○	FCO FLOOR CLEAN OUT
T	WCO WALL CLEAN OUT
○	PIPE RISE
⊂	PIPE DROP (ELBOW)
⊃	PIPE DROP (TEE)
⊥	SHUT-OFF VALVE
⊘	CHECK VALVE
⊘	STRAINER
⊘	PRESSURE RELIEF VALVE
⊘	UNION
⊘	PIPE BREAK
⊘	WATER METER
⊘	FLOOR DRAIN
⊘	CONNECT TO EXISTING



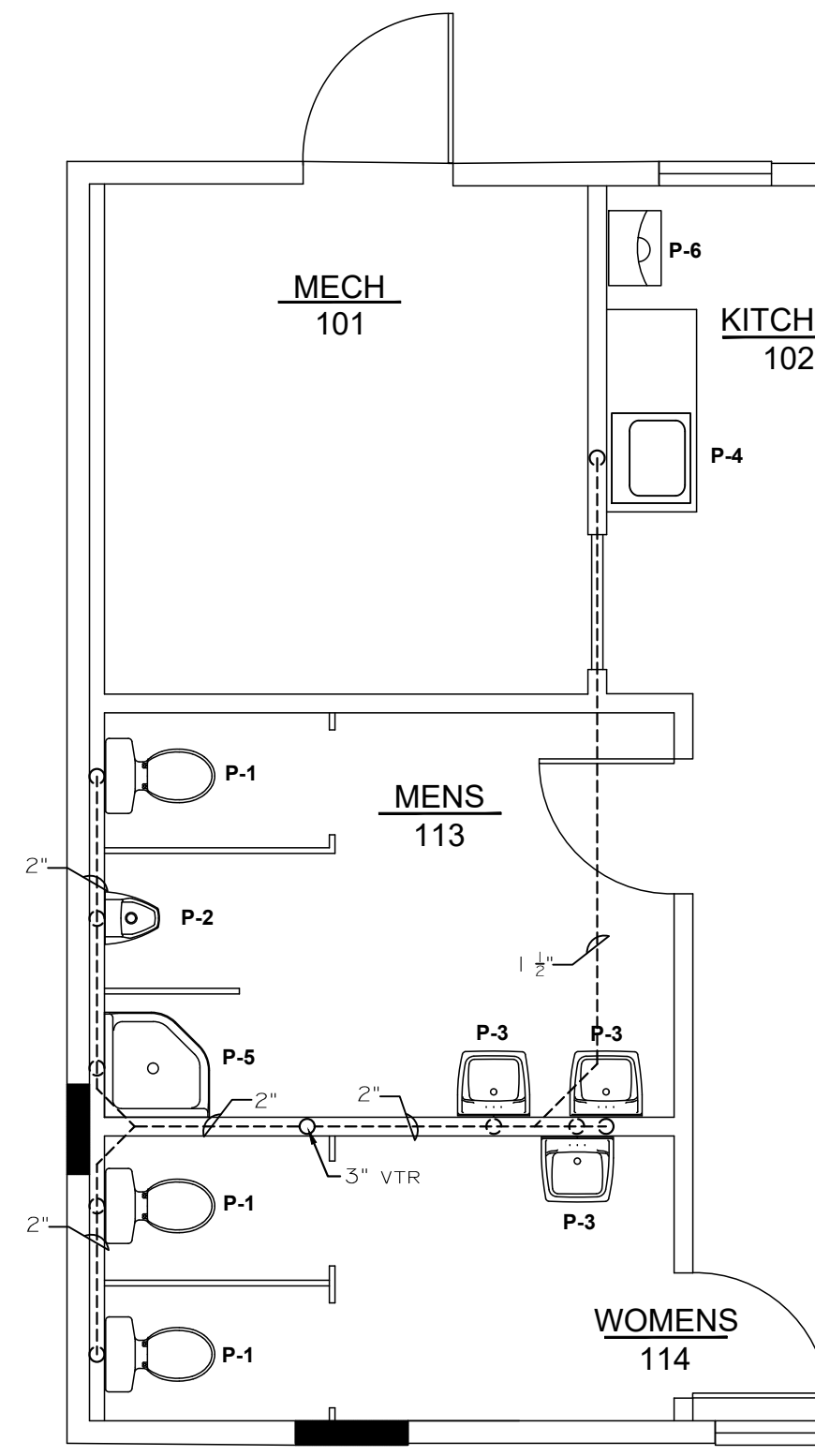
DOMESTIC WATER PLAN & NATURAL GAS

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



SANITARY SEWER PLAN

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



SANITARY VENT PLAN

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

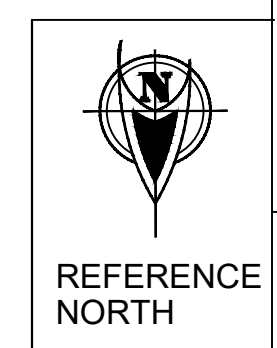
NO.	DESCRIPTION	DATE
REVISIONS		

COMMONWEALTH OF PENNSYLVANIA
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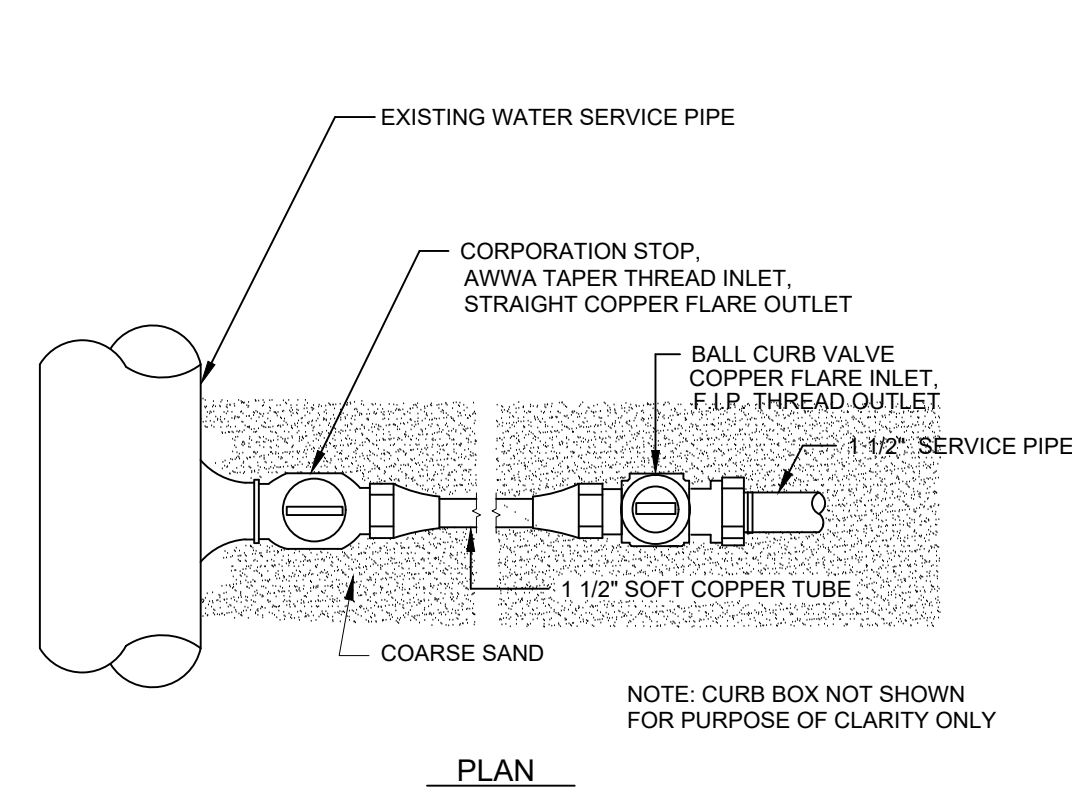
DMVA PROJECT NO.: 42220110

BUILDING RENOVATION
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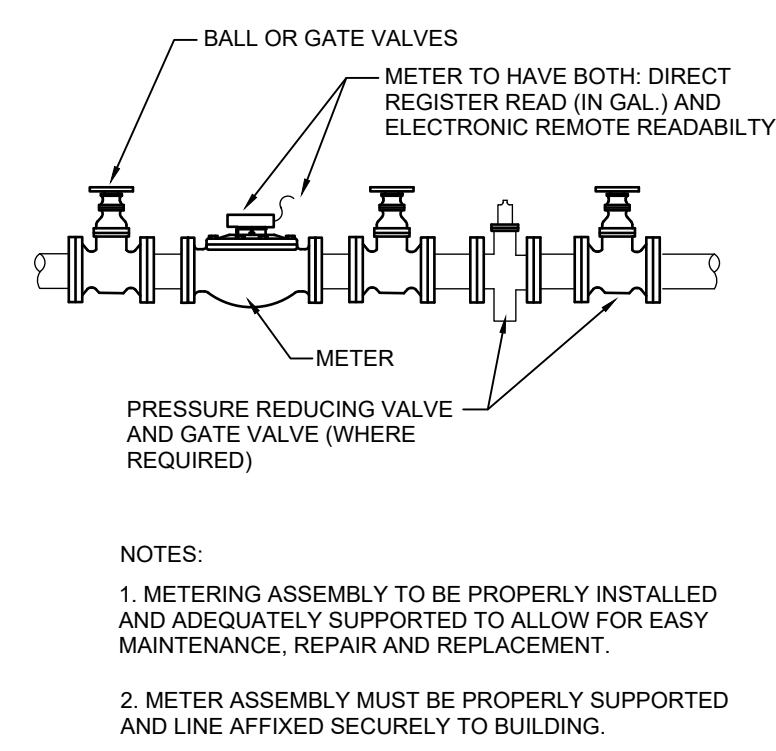
PLUMBING PLANS



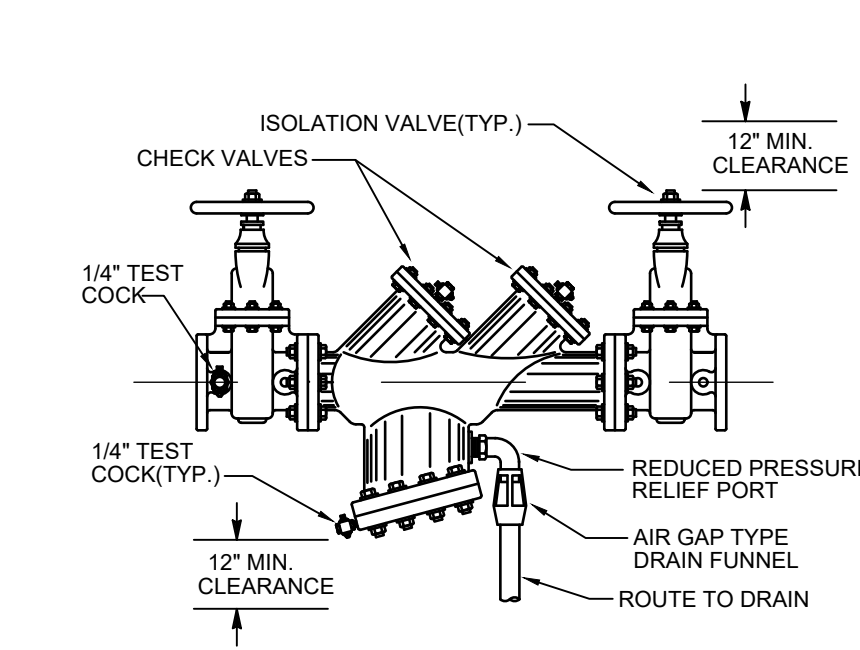
CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY: J. NYE	DATE: 18 APR. 2023	DRAWING NO. P.1.1
	CHECKED BY: B. TOEVS	SCALE: AS SHOWN	



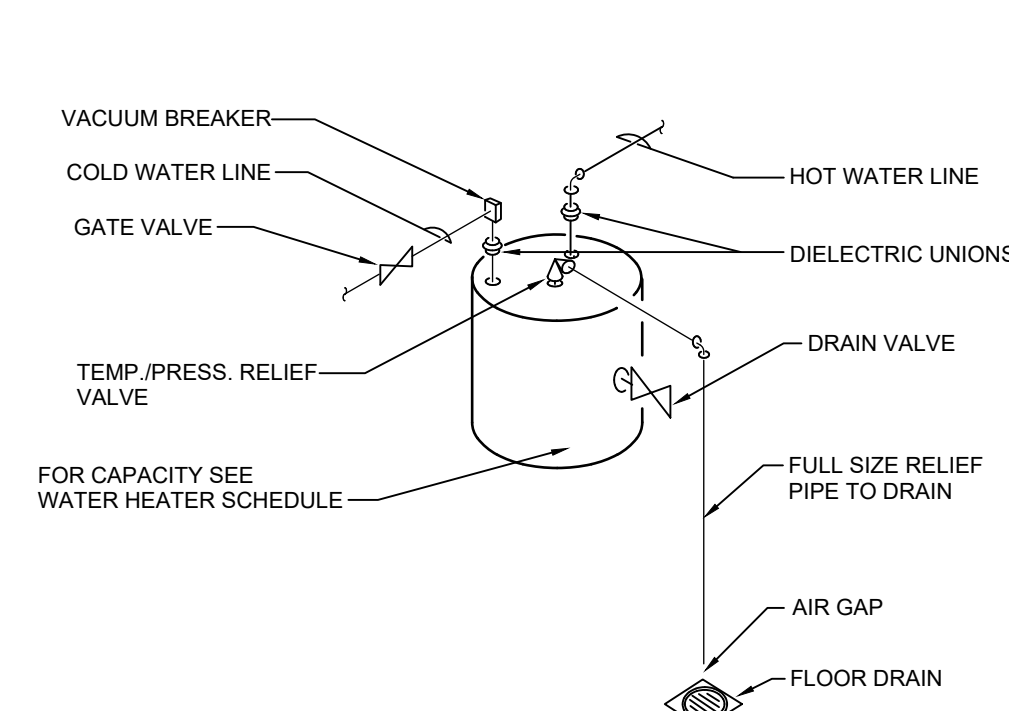
CURB STOP/SERVICE VALVE
SCALE: 1/2" = 1'-0"
P | 2.1



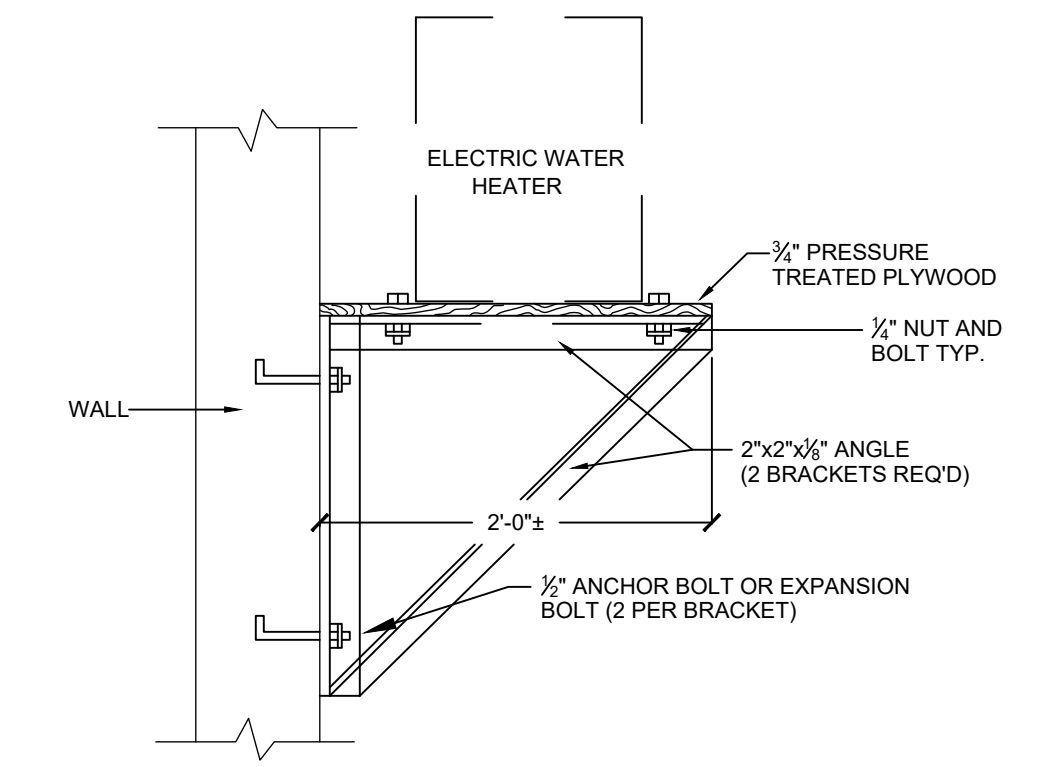
WATER METER CONFIGURATION
SCALE: 1/2" = 1'-0"
P | 2.1



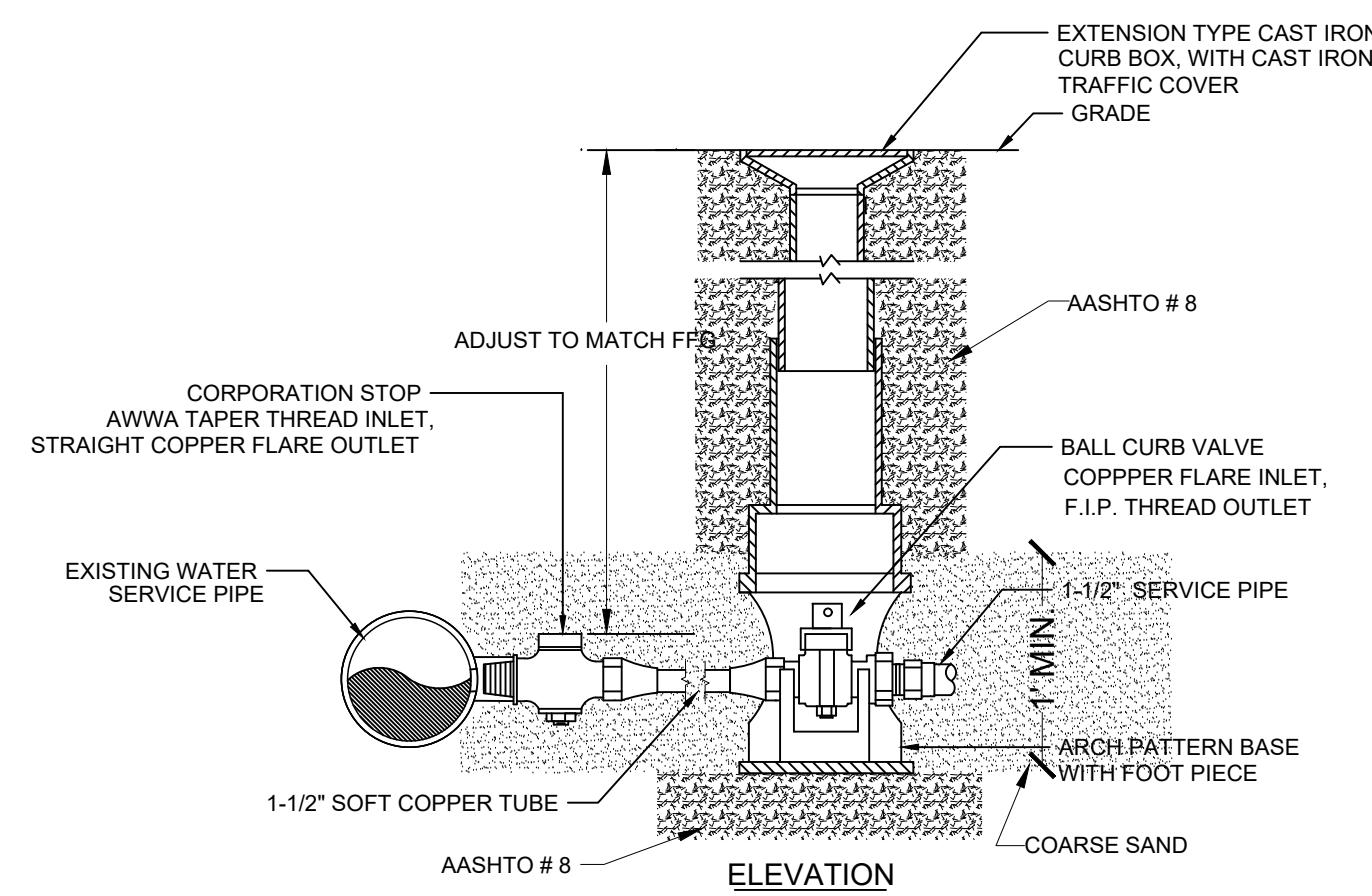
BACKFLOW PREVENTER
SCALE: 1/2" = 1'-0"
P | 2.1



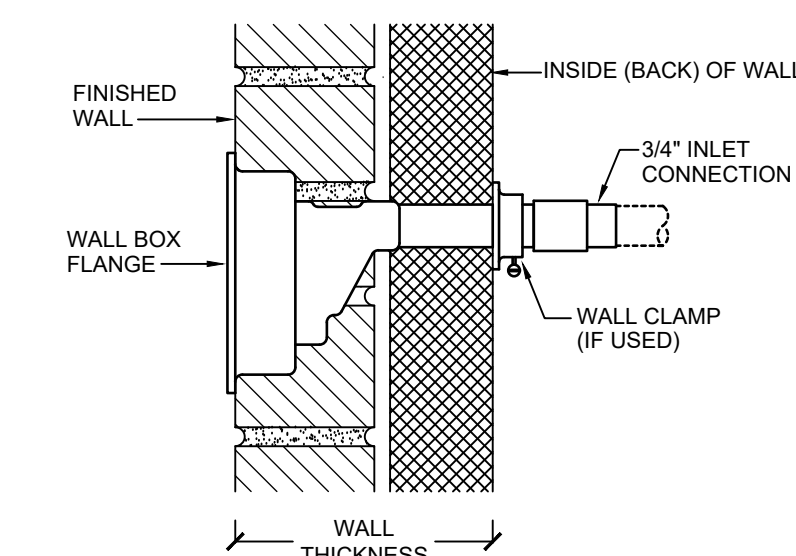
ELECTRIC WATER HEATER
SCALE: 1/2" = 1'-0"
P | 2.1



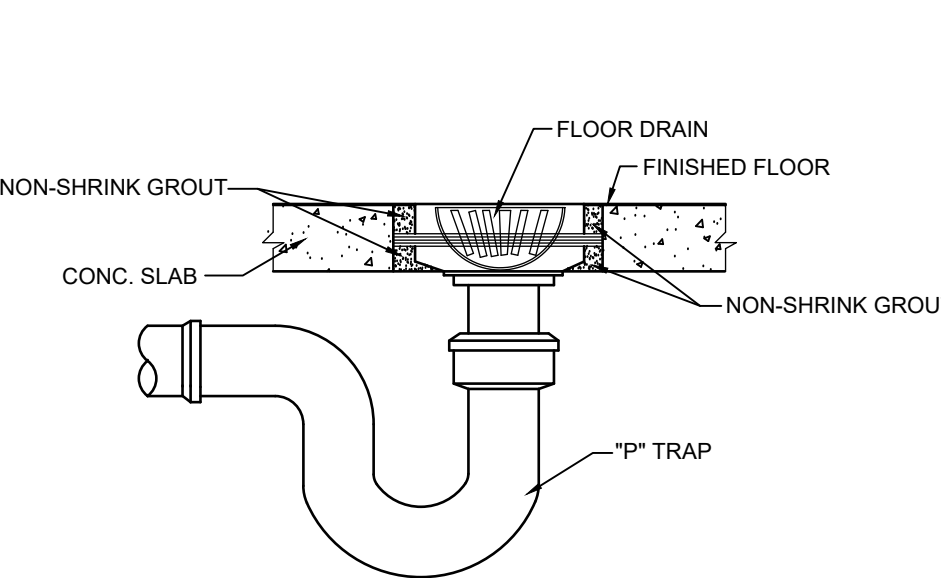
WATER HEATER SHELF
SCALE: 1/2" = 1'-0"
P | 2.1



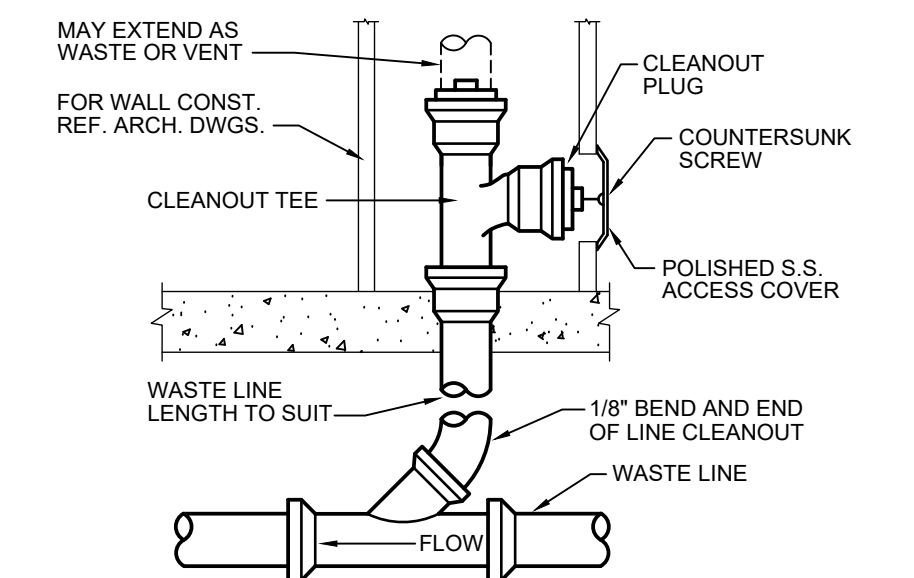
CURB STOP/SERVICE VALVE
SCALE: 1/2" = 1'-0"
P | 2.1



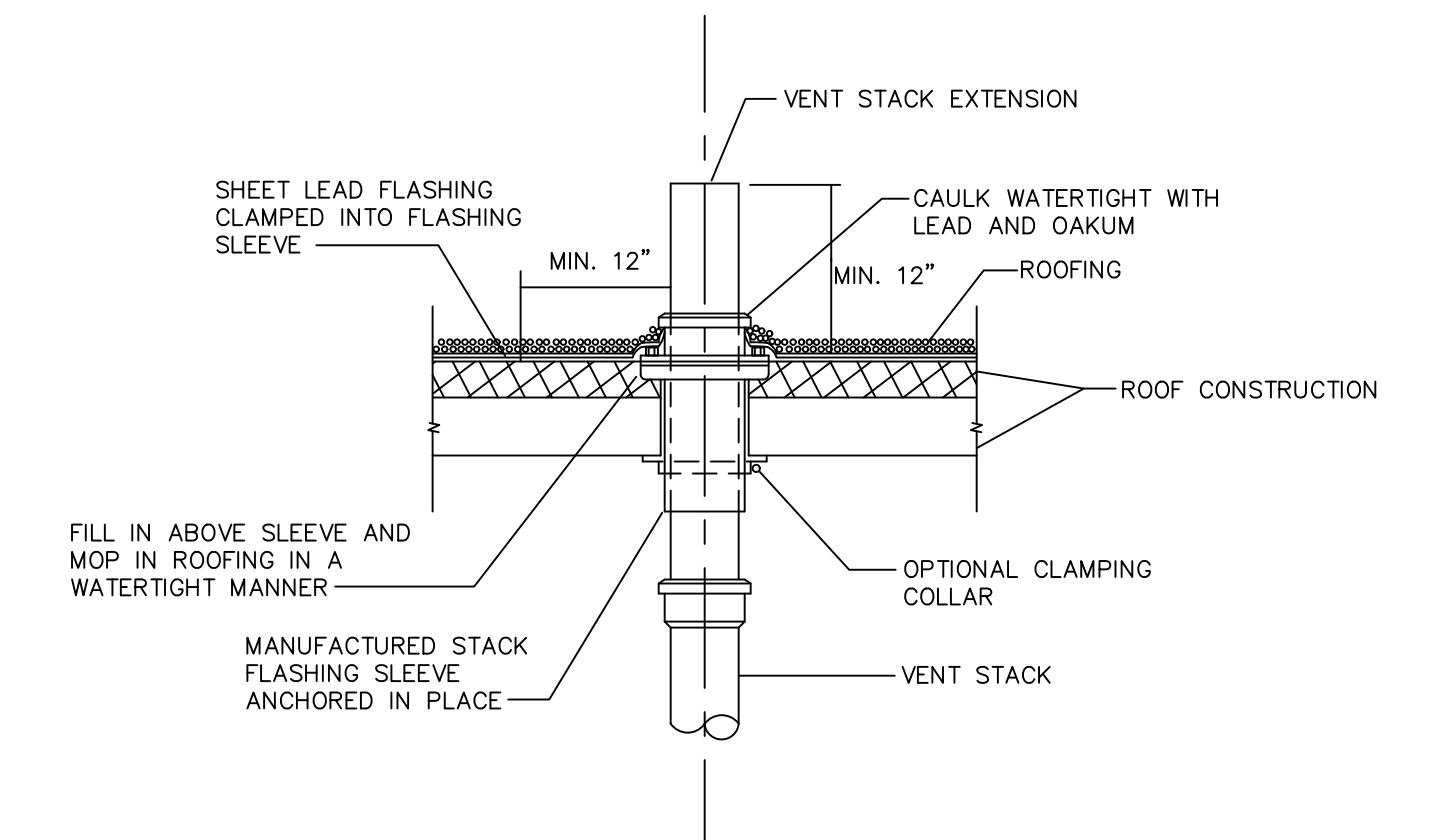
FREEZE PROOF HOSE BIB
SCALE: 1/2" = 1'-0"
P | 2.1



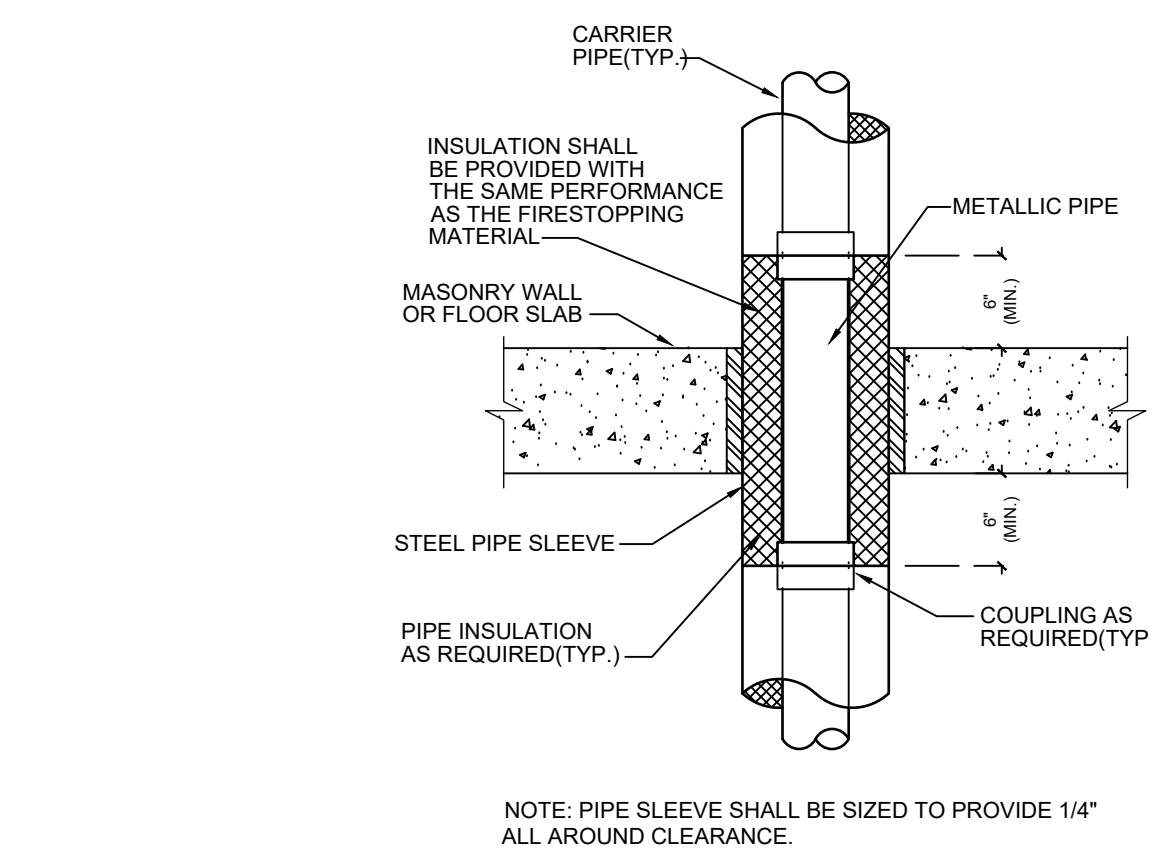
FLOOR DRAIN
SCALE: 1/2" = 1'-0"
P | 2.1



WALL CLEAN OUT
SCALE: 1/2" = 1'-0"
P | 2.1



TYPICAL VENT THRU ROOF
SCALE: 1/2" = 1'-0"
P | 2.1



TYPICAL PENETRATION @ CONC.
SCALE: 1/2" = 1'-0"
P | 2.1

PLUMBING FIXTURE SCHEDULE									
SYMBOL	FIXTURE DESCRIPTION	BASIS OF DESIGN	C.W.	H.W.	SAN	VENT	MOUNTING	RIM HEIGHT	REMARKS
P-1	WATER CLOSET-TANK	KOHLER WELLWORTH MODEL NO. K-3505-0	3/4"	-	4"	2"	FLOOR	STD	
P-2	URINAL	KOHLER DEXTER MODEL NO. K-5016-ET	3/4"	-	2"	1-1/2"	WALL	STD.	
P-3	LAVATORY	KOHLER KINGSTON MODEL NO. K-2005-0	1/2"	1/2"	1-1/2"	1-1/4"	WALL	STD.	
P-4	KITCHEN SINK	KOHLER VERSE MODEL NO. K-20060-3	1/2"	1/2"	1-1/2"	1-1/4"	COUNTER	SEE ARCH.	
P-5	MOP SINK	KOHLER WHITBY MODEL NO. K-6710-0	3/4"	3/4"	3"	1-1/2"	FLOOR	---	
P-6	BOTTLE FILLING STATION	ELKAY MODEL NO. LZ8WSSMC	3/8"	-	1-1/4"	-	WALL	SEE ARCH.	
FPHB	FREEZE-PROOF HOSE BIB	ZURN MODEL NO. Z130-CXL	3/4"	-	-	-	WALL	EXIST'G	
FD-1	FLOOR DRAIN	ZURN MODEL NO. Z415-5B-P	---	---	2"	---	FLOOR	---	

WATER HEATER SCHEDULE											
SYMBOL	BASIS OF DESIGN		MAXIMUM INPUT (MBH)	GPH @ 72' RISE	GPH @ 54' RISE	WATER CONN.	GAS CONN.	THERMAL EFF. (%)	ELECTRICAL		REMARKS
	MANUFACTURER	MODEL							VOLTS	AMPS	
EW-1	AO SMITH	DEL 10	XX	8	11	3/4"	NA	90	120	12.5	

NO.	DESCRIPTION	DATE
REVISIONS		

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF MILITARY AND VETERANS AFFAIRS
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ANNVILLE, LEBANON COUNTY, PA 17003

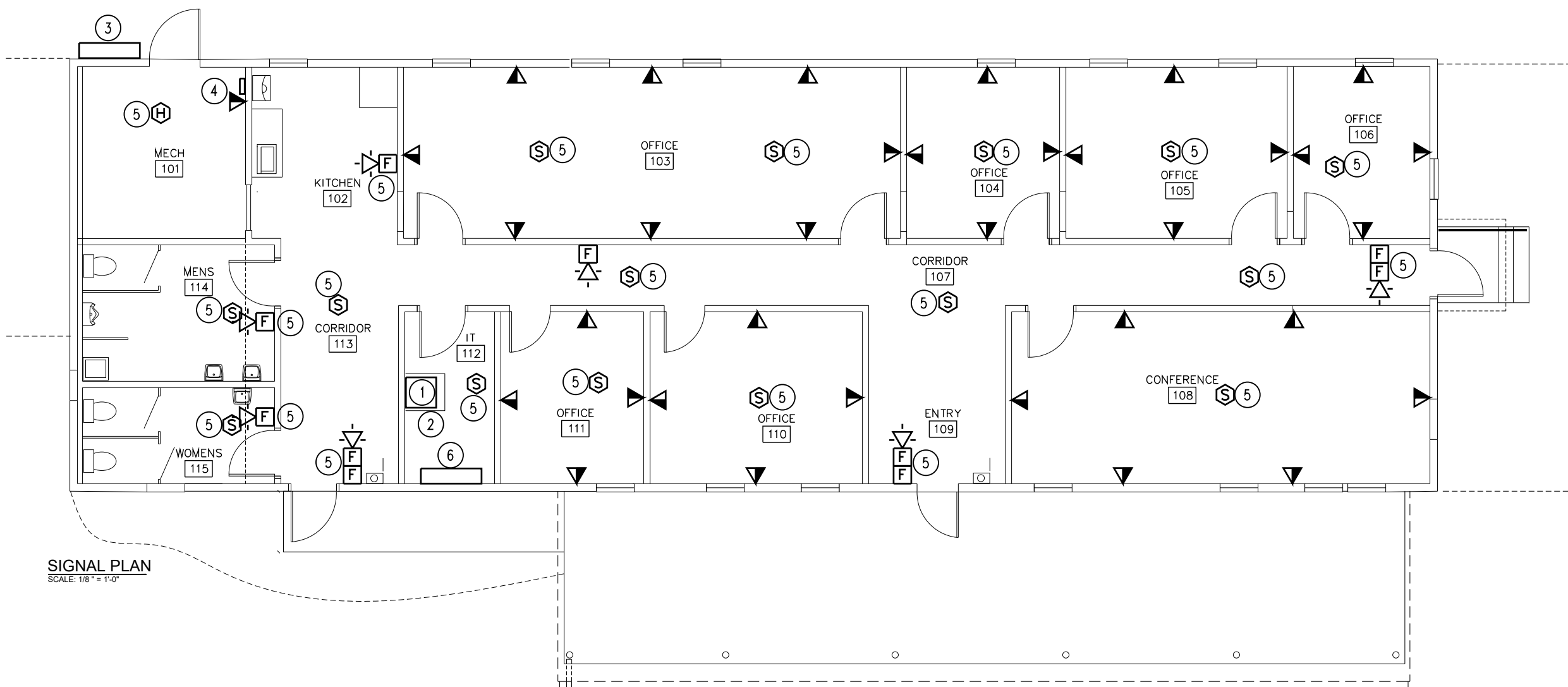
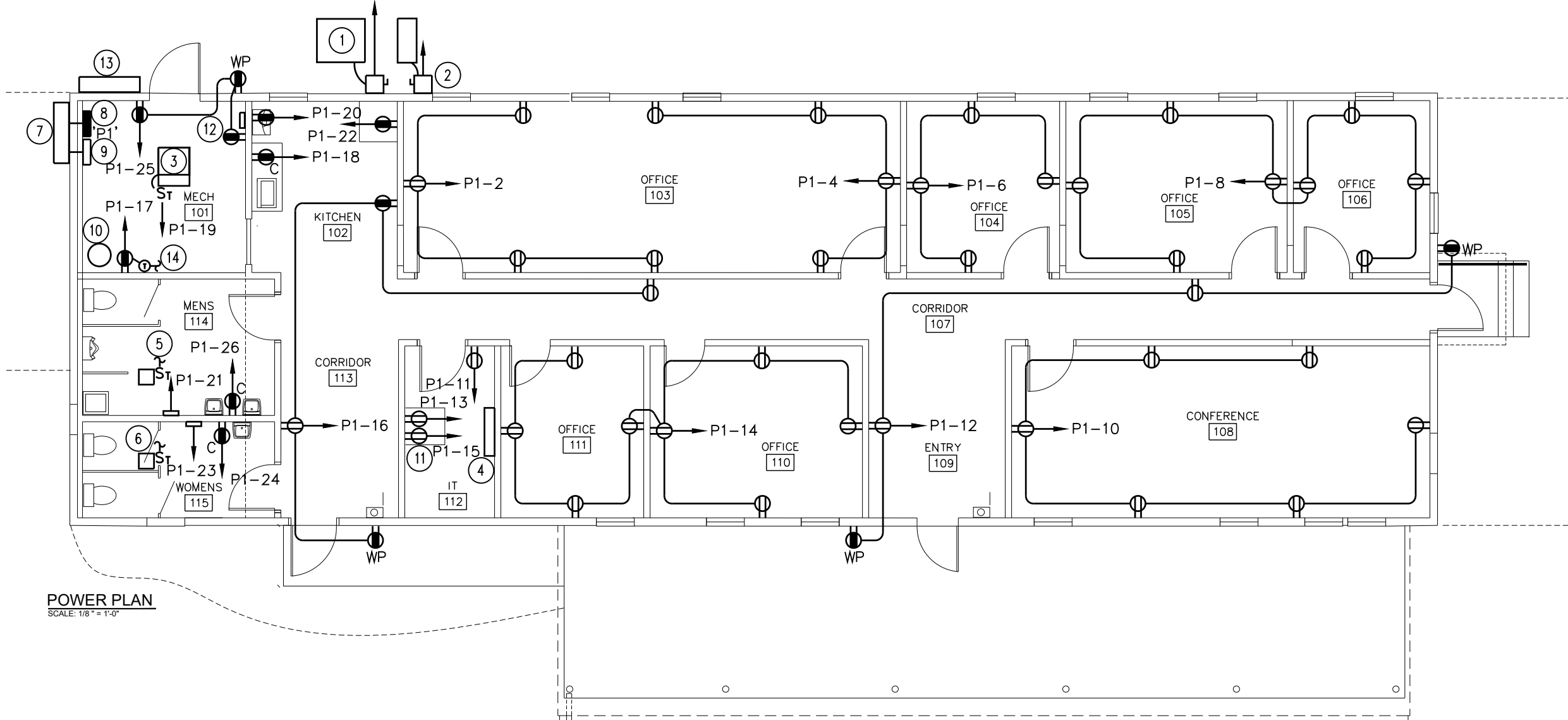
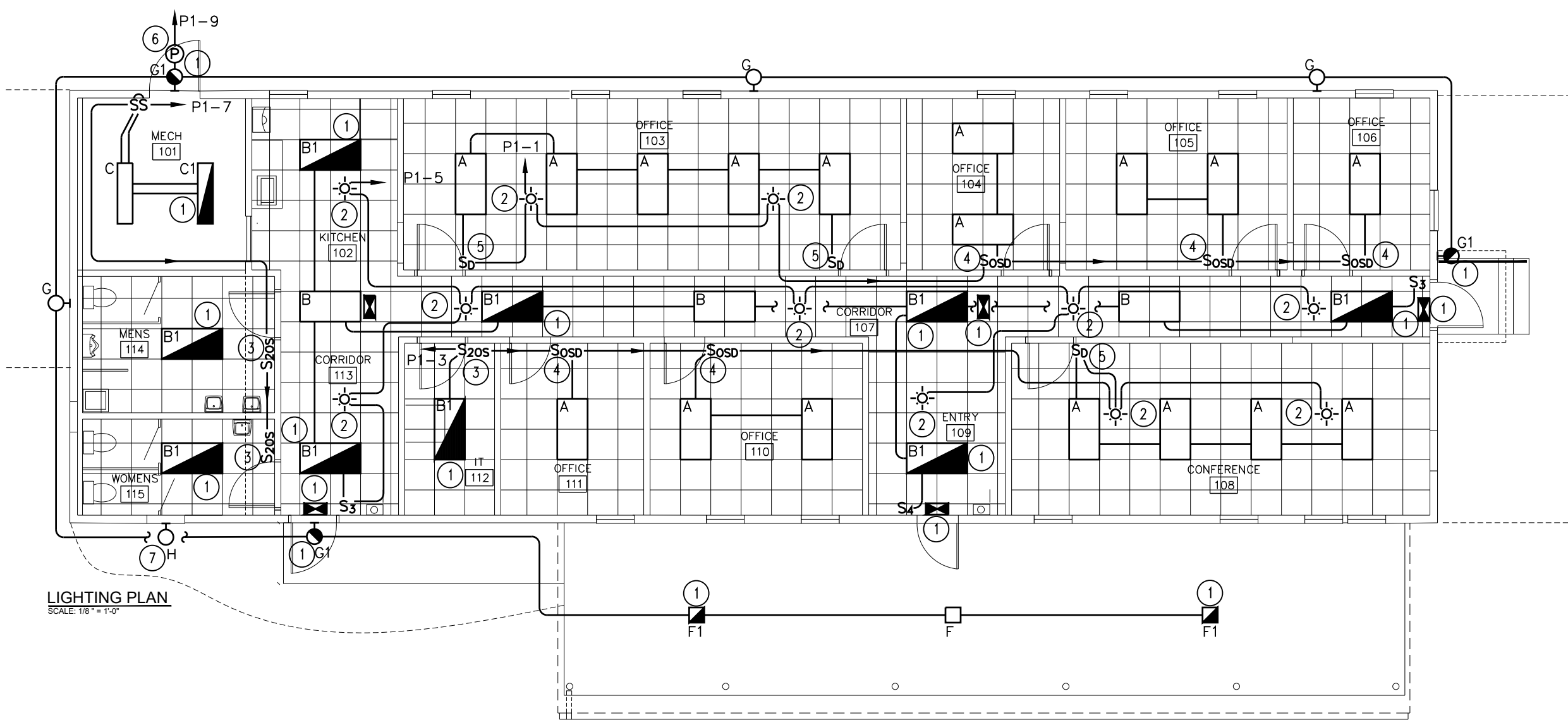
DMVA PROJECT NO.: 42220110

BUILDING RENOVATION

BUILDING 4-19, SERVICE ROAD, FTIG
ANNVILLE, LEBANON COUNTY, PA 17003

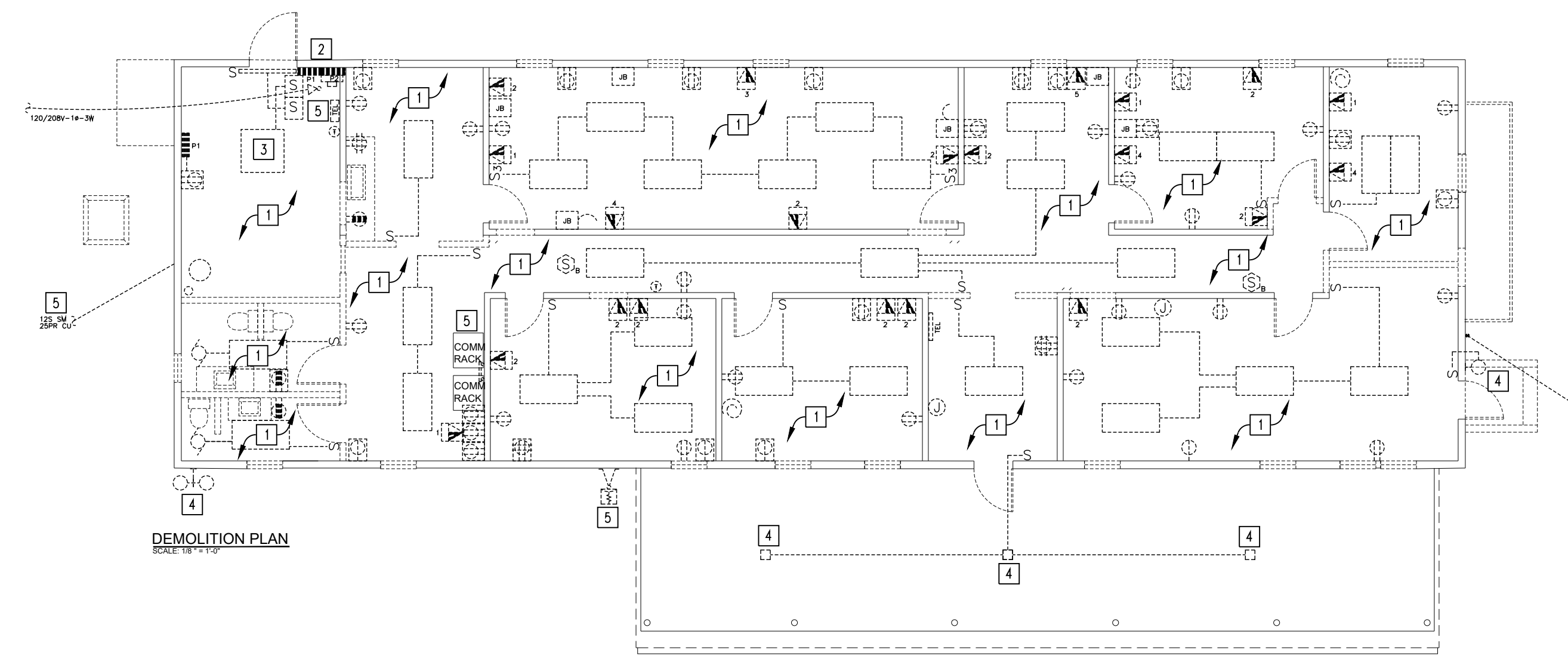
SCHEDULES, NOTES & DETAILS

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY: J. NYE	DATE: 18 APR. 2023	DRAWING NO. P.2.1
	CHECKED BY: B. TOEVS	SCALE: AS SHOWN	



LIGHTING PLAN NOTES:

1. EXTEND AND CONNECT EMERGENCY BATTERY FOR EMERGENCY LIGHTING UNITS AND EXITS TO UNSWITCHED HOT LEG OF LIGHTING CIRCUIT IN THE AREA IN WHICH IT SERVES.
2. LINE VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR, 2 POLE, SENSORSWITCH #CMR-PDT-9-2P OR APPROVED EQUAL. IF MULTIPLE CONTROLS, THEN WIRE IN PARALLEL SUCH THAT IF ANY SENSOR IS ACTIVATED, THE LIGHTS TURN ON. MANUAL SWITCHING SHALL BE ON THE LOAD SIDE OF THE SENSOR.
3. LINE VOLTAGE WALL BOX OCCUPANCY SENSOR, 2 POLE, SENSORSWITCH #WSD-PDT-2P-GY OR APPROVED EQUAL.
4. LINE VOLTAGE WALL BOX OCCUPANCY SENSOR/0-10V DIMMER, HUBBELL #LHDMIRS3-N-GY OR APPROVED EQUAL.
5. WALL BOX DIMMER, HUBBELL #PSD710-UNV-WVL WITH #PSDKIT-LL-GY COLOR CHANGE KIT. WIRE AS PER MANUFACTURERS INSTRUCTIONS.
6. WIRE EXTERIOR LIGHTS VIA 2 CHANNEL ASTRONOMIC DIGITAL TIMECLOCK. WIRE LIGHTING FOR PHOTOCLOCK ON/TIMECLOCK OFF OPERATION.
7. FREEZE PROTECTION WARNING LIGHT, WIRE VIA REVERSE ACTING STAT AND EXTEND TO NEAREST CONVENIENCE OUTLET, SEE POWER PLAN.



POWER PLAN NOTES:

1. CU-1 BY H.C., 208V-1Ø, 17.0 FLA, 21.2 MCA. PROVIDE 30A-2P WP FDS, FUSE AT 25A.
2. CU-2 BY H.C., 208V-1Ø, 11.5 FLA, 14.4 MCA. PROVIDE 30A-2P WP FDS, FUSE AT 20A.
3. AHU-1 BY H.C., 120V-1Ø, 9.6 FLA, 12.0 MCA. PROVIDE THERMALLY PROTECTED SWITCH AS DISCONNECTING MEANS.
4. AHU-2 BY H.C., FED VIA CU-2 VIA LINESET CONTROL CABLE.
5. EF-1 BY H.C., 120V-1Ø, .75 FLA, PROVIDE THERMALLY PROTECTED SNAP SWITCH AS DISCONNECTING MEANS. EXTEND AND CONNECT TO 2ND CHANNEL OF OCC SENSOR AS REQUIRED.
6. EF-2 BY H.C., 120V-1Ø, .5 FLA, PROVIDE THERMALLY PROTECTED SNAP SWITCH AS DISCONNECTING MEANS. EXTEND AND CONNECT TO 2ND CHANNEL OF OCC SENSOR AS REQUIRED.
7. PROVIDE 4'x4'x1' DEEP CT CABINET. ROUTE SECONDARY THRU CT CABINET TO NEW PANEL. PROVIDE (2) 2 1/2" CONDUIT, (1) WITH 4#4/0 TO RISER POLE APPROX 60' AWAY, (1) SPARE. RISE ACTIVE CONDUIT UP POLE 10' WITH RIGID AND THEN TRANSITION TO PVC TO APPROX 25'. PROVIDE WEATHER HEAD AND 10' SLACK CONDUCTOR. SPARE CONDUIT CAPPED ABOVE GRADE. OFFSET CONDUITS FROM POLE 6" USING UNISTRUT.
8. PROVIDE NEW 4#4/0 IN 2 1/2" CONDUIT TO NEW PANEL.
9. PROVIDE SQUARE D 5563 METER IN ENCLOSURE. PROVIDE 200A CT'S AND A 1 1/2" CONDUIT TO CT CABINET. ENCLOSURE SHALL BE PANEL BACKBOX WITH TRIM THAT IS HINGED DOOR WITHIN A DOOR CONFIGURATION, PAINTED GRAY. PROVIDE METER DISPLAY OPTION.

POWER PLAN NOTES (CONT'D):

10. EWH-1 BY P.C., 120V-1Ø, 12.5 AMPS. PROVIDE CORD AND PLUG SET.
11. IT FLOOR MOUNTED RACK. PROVIDE RECEPTACLES MOUNTED TO TOP OF RACK. SEE SIGNAL PLAN THIS DWG.
12. BMS PANEL BY H.C., 120V-1Ø. PROVIDE RS485 SHIELDED PAIR CABLE TO OWNER ELECTRIC METER WIRED MODBUS IN ADDITION TO THE CAT6 CABLE FROM THE BMS PANEL TO THE IT RACK. PROVIDE CORD AND PLUG SET. VERIFY LOCATION WITH H.C. PRIOR TO ROUGH IN.
13. PROVIDE 4'x4'x1' DEEP CT CABINET FOR COMM. SEE SIGNAL PLAN THIS DWG.
14. EXTEND AND CONNECT TO FREEZE PROTECTION LIGHT. SEE LIGHTING PLAN THIS DWG.

DEMOLITION PLAN NOTES:

1. ALL EXISTING ELECTRICAL OUTLETS, DEVICES, LIGHTING FIXTURES, SWITCHES, AND DATA OUTLETS SHALL BE REMOVED THIS AREA UNO. REMOVE ALL EXISTING CONDUIT, WIRE, AND BOXES DOWN TO ORIGINAL CONSTRUCTION BACK TO POINT OF SERVICE UNLESS BEING RE-USED.
2. EXISTING ELECTRICAL EQUIPMENT TO BE REMOVED. COORDINATE TEMP. POWER PRIOR TO DEMO OF PANELBOARD.
3. EXISTING MECHANICAL EQUIPMENT TO BE REMOVED.
4. EXISTING EXTERIOR MOUNTED FIXTURE TO BE REMOVED. SEE LIGHTING PLAN FOR NEW INSTALLATIONS.
5. COORDINATE WITH J6/COMM PERSONNEL PRIOR TO ANY DATA/COMM DEMOLITION OTHER THAN CAT5 OR 6 DATA DROPS, ETC.

SIGNAL PLAN NOTES:

1. IT FLOOR MOUNTED RACK WITH BOTH HORIZONTAL AND VERTICAL WIRE MANAGEMENT. PROVIDE CAT6 CABLE TERMINATIONS IN MULTIPLES OF 48 PORT PATCH PANELS AS NECESSARY.
2. J6/IT STAFF WILL EXTEND AND CONNECT EXISTING FIBER AND CU COMMUNICATIONS CABLE TO RACK AND PROVIDE NECESSARY EQUIPMENT, TESTING, AND TERMINATIONS FOR SUCH WORK. COORDINATE ALL ACTIVITIES WITH IT STAFF PRIOR TO EXECUTION.
3. PROVIDE (2) 2/12" C FROM RISER POLE (APPROX 60') TO IT CABINET. RUN CONDUIT UP POLE AS POWER, CAP SPARE AT GRADE. PROVIDE (2) 2" CONDUITS STUBBED THRU WALL USING SWEEPS AND BUSHINGS.
4. BMS PANEL BY H.C., 120V-1Ø. PROVIDE RS485 SHIELDED PAIR CABLE TO OWNER ELECTRIC METER WIRED MODBUS IN ADDITION TO CAT6 CABLE FROM BMS PANEL TO IT RACK.
5. FIRE ALARM DEVICE ROUGH-IN ONLY. PROVIDE 4" SQUARE, DEEP BOXES FOR ANNUNCIATORS AND DOUBLE GANG BOX FOR PULL STATIONS. CEILING DETECTORS FURNISHED WITH SQUARE BOXES ABOVE CEILING. RUN ALL CONDUIT TO LOCATION OF FUTURE FIRE PANEL IN IT CLOSET. PROVIDE SEPARATE EMT CONDUIT PATHS FOR EACH ANNUNCIATION, MANUAL PULL, AND AUTOMATIC.
6. FUTURE FIRE ALARM PANEL.

GENERAL NOTES FOR ALL ELECTRICAL DEMOLITION PLANS

1. WHEN A DEVICE IS REMOVED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CIRCUITING TO UPSTREAM OR DOWNSTREAM DEVICES TO REMAIN FOR FULL OPERATION. WHEN A "CIRCUIT" IS TO BE REMOVED, THE CIRCUIT SHALL BE REMOVED ONLY IF THE PARTICULAR DEVICES ARE THE ONLY ITEMS ON THE CIRCUIT. IF THERE ARE OTHER DEVICES OR EQUIPMENT ON THE CIRCUIT, ONLY THE DEVICE OR EQUIPMENT SHALL BE REMOVED. MAINTAIN CIRCUITRY TO REMAINING DEVICES AS REQUIRED.
2. IN GENERAL, ALL DEVICES, OUTLETS, CONDUIT, WIRING, LIGHTING FIXTURES, AND EQUIPMENT ARE TO BE REMOVED UNLESS NOTED OTHERWISE (UNO).
3. ALL MATERIALS REMOVED BECOME THE PROPERTY OF THE CONTRACTOR UNO AND SHALL BE REMOVED FROM THE PROJECT SITE IN A LEGAL MANNER AFTER DMVA HAS RECEIVED THE FIRST RIGHT OF REFUSAL. ALL MATERIALS SPECIFIED TO BE TURNED OVER TO DMVA PERSONNEL SHALL BE IN THE CONDITION IN WHICH THEY WERE PRIOR TO REMOVAL.
4. CONDUIT SYSTEMS AND WIRING MAY BE RE-USED IF THEY ARE IN EXCELLENT CONDITION, OF THE PROPER SIZE AND RATING, AND IN THE PROXIMITY TO WHERE THEY ARE NEEDED. OTHERWISE, UNLESS NOTED TO REMAIN, SHALL BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR ALL CIRCUITING ON THE NEW WORK PLANS WHETHER UTILIZING EXISTING OR PROVIDING NEW. ALL CIRCUITING MUST BE MODERN THHN/THWN, CU CONDUCTOR BUILDING WIRE IN EMT CONDUIT IN ORDER TO BE RE-USED, OTHERWISE, IT MUST BE REPLACED. CABLE IS NOT ALLOWED UNO.
5. IN GENERAL, SYMBOLS INSIDE A BOX REPRESENT SURFACE MOUNTED DEVICES. SYMBOLS WITHOUT A BOX REPRESENT FLUSH MOUNTED DEVICES. WHEN A DEVICE IS INDICATED TO BE REMOVED, ALL ASSOCIATED ACCESSIBLE CONDUIT, SURFACE METAL RACEWAY, WIRING, AND BOXES SHALL BE REMOVED BACK TO SOURCE. PROVIDE BLANK COVERS FOR FLUSH MOUNTED BOXES IF NOT RE-USED.
6. WHEN ELECTRICAL EQUIPMENT IS TO BE REMOVED, THE E.C. SHALL REMOVE ALL CONDUIT, WIRE, HANGERS, SUPPORTS, BOXES, ETC. BACK TO SOURCE.
7. IN GENERAL, ITEMS TO BE REMOVED ARE DASHED, AND THOSE THAT ARE TO BE RE-CONNECTED AND/OR REMAIN ARE LIGHT AND SOLID.
8. THE INTENTION IS TO REMOVE ALL EXISTING ELECTRICAL CONDUIT, WIRE, BOXES, HANGERS, PANELS, LIGHT FIXTURES, ETC. WITH THE EXCEPTION OF THE CATV, WHICH SHOULD BE NEATLY COILED ABOVE CEILING AND LOCATED ON AS-BUILT. UTILIZE EXISTING SERVICE FOR TEMPORARY POWER AS LONG AS POSSIBLE.

NO.	DESCRIPTION	DATE
REVISIONS		

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ANNVILLE, LEBANON COUNTY, PA 17003

DMVA PROJECT NO.: 42220110

BUILDING RENOVATION

BUILDING 4-19, SERVICE ROAD, FTIG
ANNVILLE, LEBANON COUNTY, PA 17003

ELECTRICAL FLOOR PLANS



CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.	DRAWN BY: B. BARGER	DATE: 18 APR 2023	DRAWING NO. E.1.1
	CHECKED BY: D. HEALEY	SCALE: AS SHOWN	

