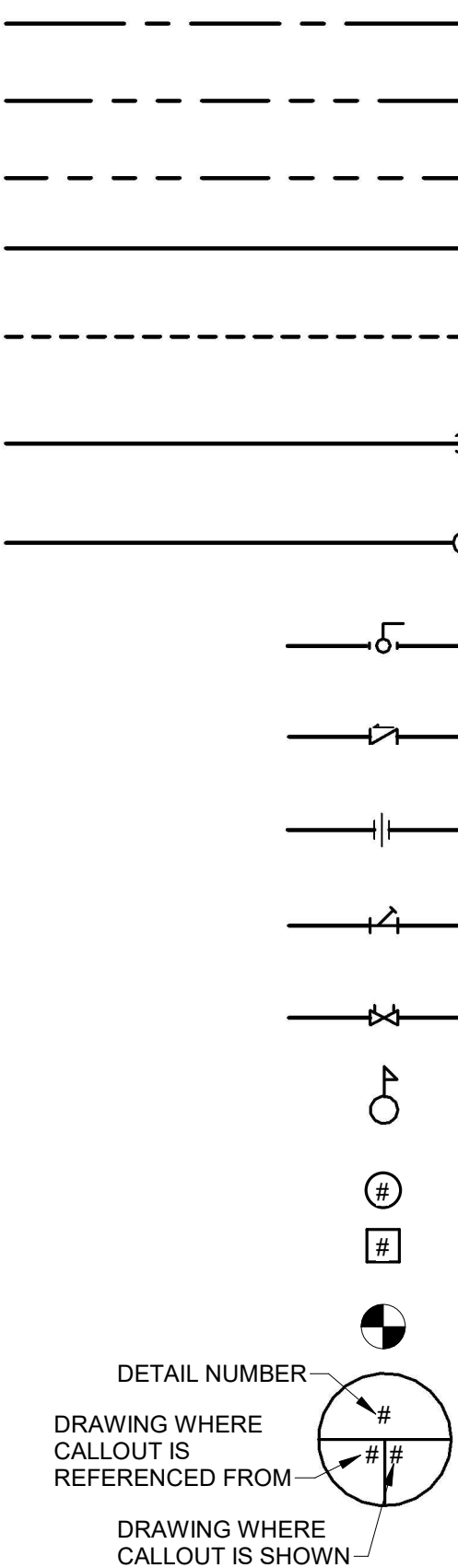


MISCELLANEOUS EQUIPMENT SCHEDULE						
MARK	DESCRIPTION					
DWH-10	DOMESTIC WATER HEATER - BRADFORD WHITE POWER DIRECT VENT MODEL LG2PDV75H803N WITH 75 GALLON TANK, 80,000 BTU/HR INPUT, 77 GPH RECOVERY AT 100 DEG.F RISE.					
DWH-11	DOMESTIC WATER HEATER - BRADFORD WHITE POWER DIRECT VENT MODEL LG2PDV75H803N WITH 75 GALLON TANK, 80,000 BTU/HR INPUT, 77 GPH RECOVERY AT 100 DEG.F RISE.					
DWH-20	DOMESTIC WATER HEATER - CHRONOMITE R58L/240, 1 PH, 12.05 KW INPUT, 0.35 ACTIVATION GPM, 55 DEG. F TEMPERATURE RISE AT 1.5 GPM. PROVIDE WALL SLEEVE, 18" X 18" NOMINAL SIZE, PRE-WIRED ELECTRICAL DISCONNECT, AND OPTION -AKL ALLEN KEY LATCH.					
DWH-21	DOMESTIC WATER HEATER - CHRONOMITE R75L/240, 1 PH, 18.0 KW INPUT, 0.35 ACTIVATION GPM, 82 DEG. F TEMPERATURE RISE AT 1.5 GPM. PROVIDE WALL SLEEVE, 18" X 18" NOMINAL SIZE, PRE-WIRED ELECTRICAL DISCONNECT, AND OPTION -AKL ALLEN KEY LATCH.					
DT-1	DRAIN TROUGH - DRAIN TROUGH SHALL BE AN H-M COMPANY MODEL PRODUCT. PROVIDE WITH OPTIONAL SECONDARY LINT FILTER. DRAIN TROUGH SHALL BE 18" IN WIDTH BY 12" IN HEIGHT BY 48" IN LENGTH.					
ET-1	THERMAL EXPANSION TANK - AMTROL MODEL ST-12C-DD WITH 3.2 GALLONS ACCEPTANCE VOLUME.					
FCO	FLOOR CLEANOUT - JOSAM 55000 SERIES. LINE SIZED.					
FD-1	3" FLOOR DRAIN - JOSAM 30000-PVC-A SERIES PVC FLOOR DRAIN WITH 1/2" TRAP PRIMER CONNECTION.					
FD-2	4" FLOOR DRAIN - JOSAM 30000-A SERIES CAST IRON FLOOR DRAIN WITH 1/2" TRAP PRIMER CONNECTION.					
HB-1	HOSE BIBB - WATTS LFSC8-4, LEAD FREE 3/4" FEMALE NPT REGULAR PATTERN WITH VACUUM BREAKER.					
HB-2	HOSE BIBB - ELKAY LK69CH SINGLE HOLE, WALL MOUNT FAUCET, LEAD FREE, 1/2" FEMALE NPT REGULAR PATTERN WITH HOSE END.					
IMB	ICE MAKER CONNECTION BOX - OATEY MODEL I2K LOW LEAD WITH PLASTIC FACEPLATE AND QUARTER-TURN BRASS BALL VALVE.					
PRV-1	PRESSURE REDUCING VALVE - WATTS SERIES LFN223B, SIZE 2 1/2" WITH NPT THREADED FEMALE INLET x NPT THREADED FEMALE OUTLET. PROVIDE WITH LEAD FREE CAST COPPER SILICON ALLOY REGULATOR AND STAINLESS STEEL STRAINER SCREEN.					
RCP-10	RECIRCULATION PUMP - DRY MOTOR, CLOSE COUPLED CIRCULATOR, BELL AND GOSSET MODEL PL-36, 0.37 FT. HEAD, 0.50 GPM					
RCP-11	RECIRCULATION PUMP - DRY MOTOR, CLOSE COUPLED CIRCULATOR. BELL AND GOSSET MODEL PL-36, 1.54 FT. HEAD, 0.60 GPM					
RD-1	4" ROOF DRAIN - JOSAM 24030 SERIES, LARGE SUMP, SUPER-FLOr GRATE FOR COMPOSITION DECK					
ORD-1	4" OVERFLOW DRAIN - JOSAM 24060 SERIES, LARGE SUMP, SPECIAL DUTY GRATE FOR COMPOSITION DECK. PROVIDE DOWNSPOUT NOZZLE AT BASE OF OVERFLOW EQUAL TO JOSAM 25010-Z.					
RPZ-1	2 1/2" REDUCED PRESSURE ZONE ASSEMBLY - WATTS MODEL LFO09-OSY 2 1/2. PROVIDE WITH AIR GAP, ULFM OUTSIDE STEM & YOKE RESILIENT SEATED GATE VALVES, AND FDA EPOXY COATED STRAINER.					
RPZ-2	1" REDUCED PRESSURE ZONE ASSEMBLY FOR BOILER MAKE-UP WATER - WATTS MODEL LFO09M2-LF-FS 1, PROVIDE WITH AIR GAP, ULFM OUTSIDE STEM & YOKE RESILIENT SEATED GATE VALVES, AND FDA EPOXY COATED STRAINER.					
RPZ-3	3/4" REDUCED PRESSURE ZONE ASSEMBLY FOR HUMIDIFIER SUPPLY TO CRAC-1A, 1B, 2A, 2B - WATTS MODEL LFO09M2-PC-QT-FS 3/4. PROVIDE WITH AIR GAP, 1/4 TURN FULL PORT RESILIENT SEATED BALL VALVE SHUTOFFS, ULFM OUTSIDE STEM & YOKE RESILIENT SEATED GATE VALVES, AND FDA EPOXY COATED STRAINER.					
TD-1	TRENCH DRAIN - ZURN MODEL ZS895 WITH STAINLESS STEEL CHANNELS, REINFORCED STAINLESS STEEL GRATES, 12" DEPTH AND 4" BOTTOM OUTLET.					
TMV-1	THERMOSTATIC MIXING VALVE: LEONARD MODEL TM-26-LF WITH 3/4" INLETS AND OUTLET					
TPV	TRAP PRIMER VALVE - PRECISION PLUMBING PRODUCTS PR-500 WITH 1/2" COPPER LINE. PROVIDE DISTRIBUTION UNIT TO SERVE TWO FLOOR DRAINS WHERE NECESSARY.					
WCO	WALL CLEANOUT - JOSAM 58600-CO SERIES.					
WH	FREEZELESS WALL HYDRANT - WOODFORD MODEL B65. PROVIDE WITH OPERATING ROD SUITABLE FOR WALL THICKNESS AT INSTALLATION LOCATION.					
WMB	WASHING MACHINE BOX - GUY GRAY MODEL FR-12WMOB WITH QUARTER-TURN VALVES AND WATER HAMMER ARRESTORS. COORDINATE INSTALLATION LOCATION WITH ARCHITECT.					
WHA-"X"	SHOCK ABSORBER, JOSAM SERIES 75000-S. MODEL NUMBER P.D.I. FIXTURE UNITS	75000-S AA 1	75001-S A 1-11	75002-S B 12-32	75003-S C 33-60	75004-S D 61-113

LEGEND



ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
ASJ	ALL SERVICE JACKET
CLG	CEILING
CO	CLEANOUT
CS	CIRCUIT SETTER
CV	CHECK VALVE
CW	DOMESTIC COLD WATER
DEG. F	DEGREES FAHRENHEIT
DN	DOWN
DWV	DRAIN WASTE VENT
(E)	EXISTING
ETR	EXISTING TO REMAIN
FD	FLOOR DRAIN
FR	FROM
FSK	FOIL SCRIM KRAFT
GA	GAUGE
GND	GROUND
GPH	GALLONS PER HOUR
HB	GALLONS PER MINUTE
HP	HORSEPOWER
HW	DOMESTIC HOT WATER
HWR	DOMESTIC HOT WATER RETURN
LVG	LEAVING
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OPG	OPENING
PDI	PLUMBING & DRAINAGE INSTITUTE
SAN	SANITARY SEWER
VTR	VENT THROUGH ROOF
W/	WITH
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WRT	WROUGHT

GENERAL NOTES

- A. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE UNIFORM STATEWIDE BUILDING CODE, INCLUDING REFERENCED CODES AND STANDARDS AND IN ACCORDANCE WITH MANDATES OF THE LOCAL BUILDING OFFICIALS.
- B. THE GENERAL ARRANGEMENT AND LOCATIONS OF PIPING, FIXTURES, ETC. ARE INDICATED BY THE DRAWINGS AND SHALL BE INSTALLED IN ACCORDANCE THEREWITH, WITH THE EXCEPTION OF SUCH CHANGES AS MAY BE REQUIRED ON ACCOUNT OF OTHER TRADES. CONTRACTOR SHALL COORDINATE WORK WITH INSTALLATION OF OTHER SUBCONTRACTORS.
- C. PLUMBING WORK SHALL BE COORDINATED WITH THE CONTRACTOR AS TO SCHEDULING, DIMENSIONING AND LOCATION OF EQUIPMENT.
- D. MAJOR ITEMS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INCIDENTAL ITEMS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.
- E. SUBSTITUTION FOR SPECIFIED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
- F. ALL REQUIRED WALL OR FLOOR OPENINGS SHALL BE COORDINATED WITH THE CONTRACTOR.
- G. ALL PIPING SHALL BE ABOVE CEILING UNLESS INDICATED OTHERWISE.
- H. ALL EQUIPMENT SHALL BE WIPED CLEAN, REMOVING ALL TRACES OF OIL, DIRT, OR PAINT SPOTS.
- I. PROVIDE SUPPORTS TO RIGIDLY ATTACH ALL EQUIPMENT, APPURTENANCES AND PIPE AS REQUIRED FOR SUPPORT. PRIOR TO INSTALLATION OF HANGERS AND INSERTS, THE CONTRACTOR SHALL COORDINATE LOCATIONS AND EQUIPMENT TO MINIMIZE CONFLICTS WITH OTHER BUILDING SYSTEMS.
- J. CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT INDICATED TO BE FURNISHED BY OTHERS.
- K. ALL PIPE OF THE SAME SIZE SHALL BE OF THE SAME MATERIAL.
- L. SLOPE ALL DRAIN LINES 1/4 INCH PER FOOT MINIMUM FOR SIZES LESS THAN 4 INCHES. SLOPE 1/8 INCH PER FOOT SIZES 4 INCHES AND LARGER UNLESS INDICATED OTHERWISE BY INVERTS ON DWGS.
- M. SOIL, WASTE AND VENT PIPING LOCATED BELOW GRADE SHALL BE MINIMUM 2 INCHES.
- N. VENTS SHALL EXTEND 12 INCHES ABOVE ROOF. ROOF FLASHING SHALL BE COORDINATED BY THE CONTRACTOR.
- O. DOMESTIC HOT AND COLD WATER PIPING SHALL BE 1/2 INCH SIZE UNLESS INDICATED OTHERWISE.
- P. BALL VALVES SHALL BE USED IN LIEU OF GATE VALVES 2 INCHES OR SMALLER.
- Q. ALL EXPOSED FIXTURE SUPPLIES AND WASTE LINES SHALL BE CHROME PLATED.

PLUMBING FIXTURE SCHEDULE										
DESIGNATION	FIXTURE	MANUFACTURER & MODEL	SIZE	SUPPLY FITTINGS AND STOPS	TRAP	CARRIER	REMARKS & ACCESSORIES	CONNECTION SIZES		
								WASTE	HOT	COLD
P-1	WATER CLOSET	AMERICAN STANDARD 3043.001	28 1/4" X 14" X 16 1/2" (ADA COMPLIANT)	-	INTEGRAL	FLOOR MOUNTED	FLUSH VALVE: SLOAN ROYAL MODEL FLUSHOMETER MODEL 111 WITH MANUAL 1.6 GALLONS PER FLUSH SEAT: AMERICAN STANDARD MODEL 5901.100	4"	-	1"
P-2	LAVATORY	AMERICAN STANDARD 0355.012	20 1/2" X 18 1/4" (ADA COMPLIANT)	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	WALL MOUNTED	FAUCET: MOEN COMMERCIAL MODEL 8425 ADA COMPLIANT FOR LEVER HANDLES. ①	1 1/2"	1/2"	1/2"
P-3	LAVATORY	AMERICAN STANDARD 0476.028	20 3/8" X 17 3/8" (ADA COMPLIANT)	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	COUNTER MOUNTED	FAUCET: MOEN COMMERCIAL MODEL 8425 ADA COMPLIANT FOR LEVER HANDLES.	1 1/2"	1/2"	1/2"
P-4	KITCHEN SINK	ELKAY ECTRUF30179RFB	33 7/8" X 20 1/4" X 9"	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	COUNTER MOUNTED (DROP-IN)	FAUCET: ELKAY MODEL LKAV2061 DRAINS & STRAINERS: ELKAY LKDD ADA COMPLIANT FOR LEVER HANDLES.	1 1/2"	1/2"	1/2"
P-5	ADA/PREP SINK	ELKAY ECTSRAD25226TBG	25" X 22" X 6" (ADA COMPLIANT)	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	COUNTER MOUNTED (DROP-IN)	FAUCET: ELKAY MODEL LKAV2061 DRAINS & STRAINERS: ELKAY LKDD ADA COMPLIANT FOR LEVER HANDLES.	1 1/2"	1/2"	1/2"
P-6	SCULLERY SINK (TRIPLE BASIN)	ELKAY 14-3C10X24-2-24X	106" X 29 13/16" X 43 3/4"	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	FLOOR MOUNTED	FAUCET: ELKAY LK943AF12LC	1 1/2"	1/2"	1/2"
P-7	SHOWER	KOHLER K-8659	60" X 42" (ADA COMPLIANT)	1/4 TURN STOPS IN VALVE ASSEMBLY	2" 17 GA P-TRAP	FLOOR MOUNTED	FAUCET: KOHLER PURIST K-22178 30" FOUR FUNCTION HANDSHOWER KIT, 2.5 GPM WITH DIVERTER AND TRIM DRAIN: KOHLER K-9132 SHOWER DRAIN MIXING VALVE: KOHLER K-24154	2"	1/2"	1/2"
P-8	JANITOR'S SINK	FIAT TSB3000	24" X 24" X 12"	3/8" ANGLE STOPS	3" P-TRAP	FLOOR MOUNTED	FAUCET: T&S MODEL B-0665-BSTR (ADA COMPLIANT) WITH FIAT 830AA MOP SERVICE BASIN FITTING AND MODEL 832AA HOSE & HOSE BRACKET, STAINLESS STEEL MOP HANGAR & STAINLESS STEEL THRESHOLD CAPS AND MSG WALL GUARDS.	3"	1/2"	1/2"
P-9	WATER CLOSET	AMERICAN STANDARD 2403.128	-	3/8 ANGLE STOPS	INTEGRAL	FLOOR MOUNTED	TANK TYPE WATER CLOSET WITH 1.28 GPF AND MATCHING OPEN-FRONT SLOW-CLOSING SEAT	4"	-	1"
P-10	POT FILLER FAUCET	T&S B-0597	-	-	-	WALL MOUNTED	FAUCET: T&S MODEL B-0597 WITH 8" WALL MOUNTED MIXING FACUET AND 18" DOUBLE JOINT SWING NOZZLE	-	1/2"	1/2"

- NOTES:
- ① PROVIDE WITH HANGER ARM CARRIERS.



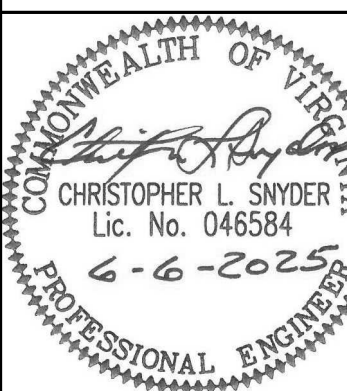
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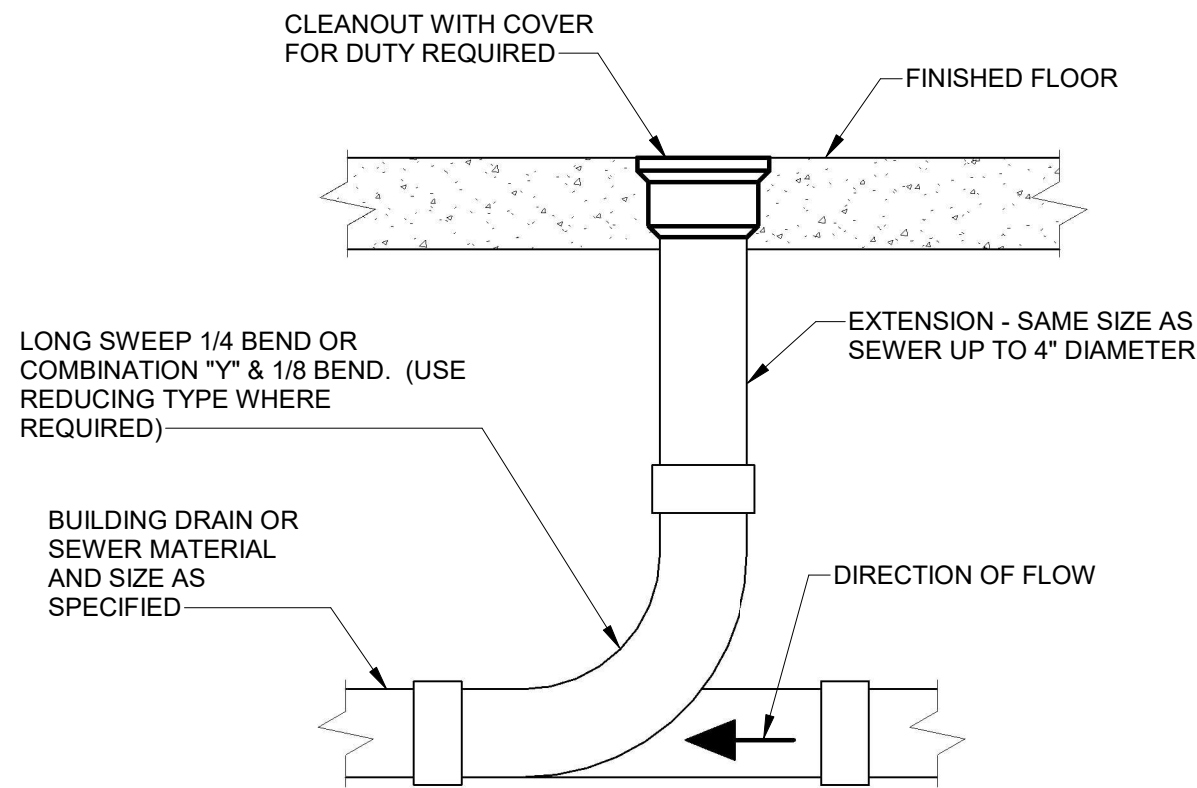
PLUMBING
LEGEND,
NOTES,
ABBREVIATIONS
&
SCHEDULES

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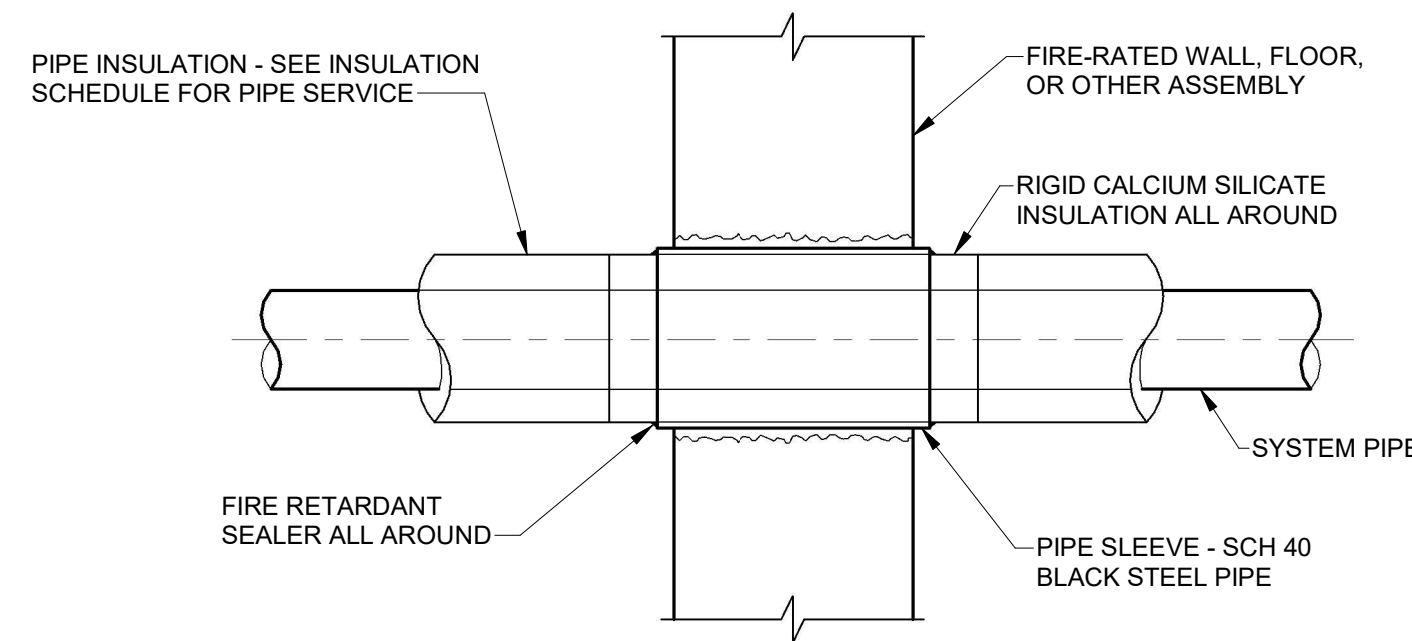


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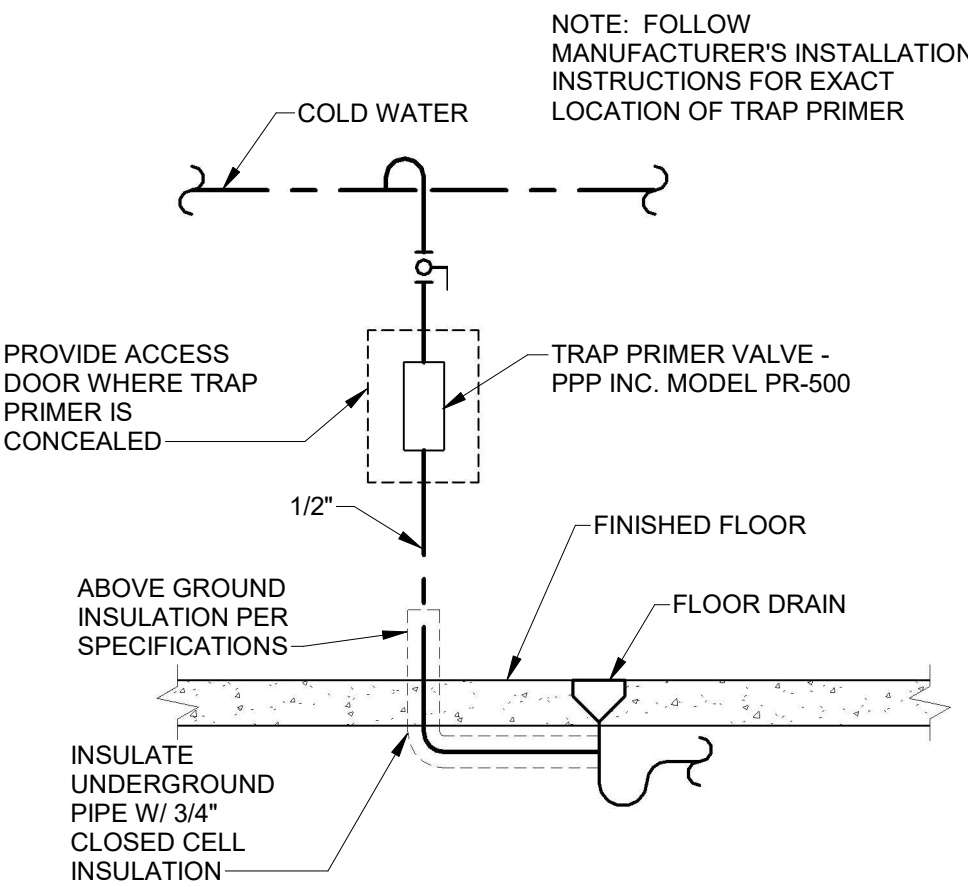


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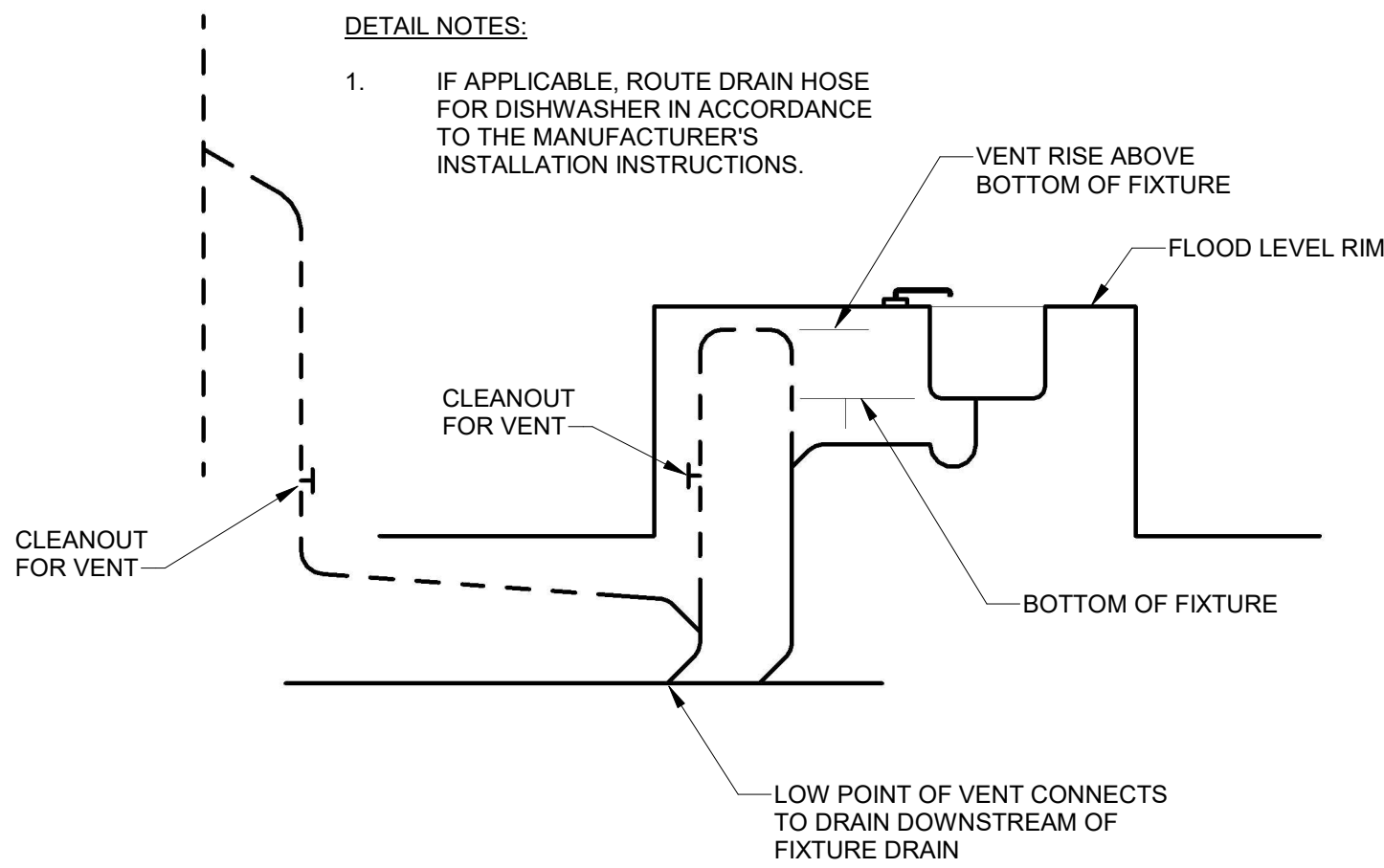


NOTE: FOR ALL PIPE PENETRATIONS THRU RATED ASSEMBLIES

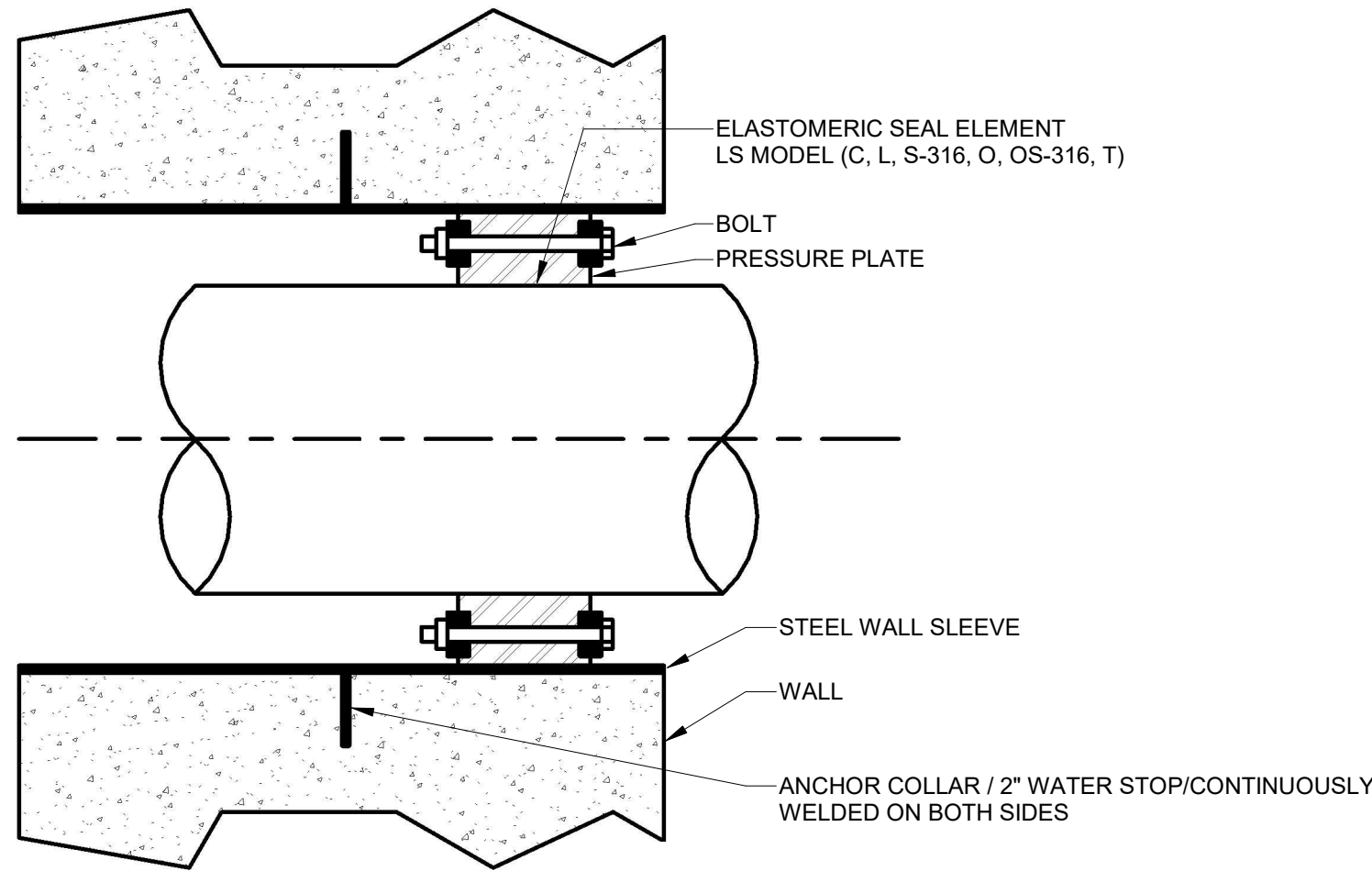
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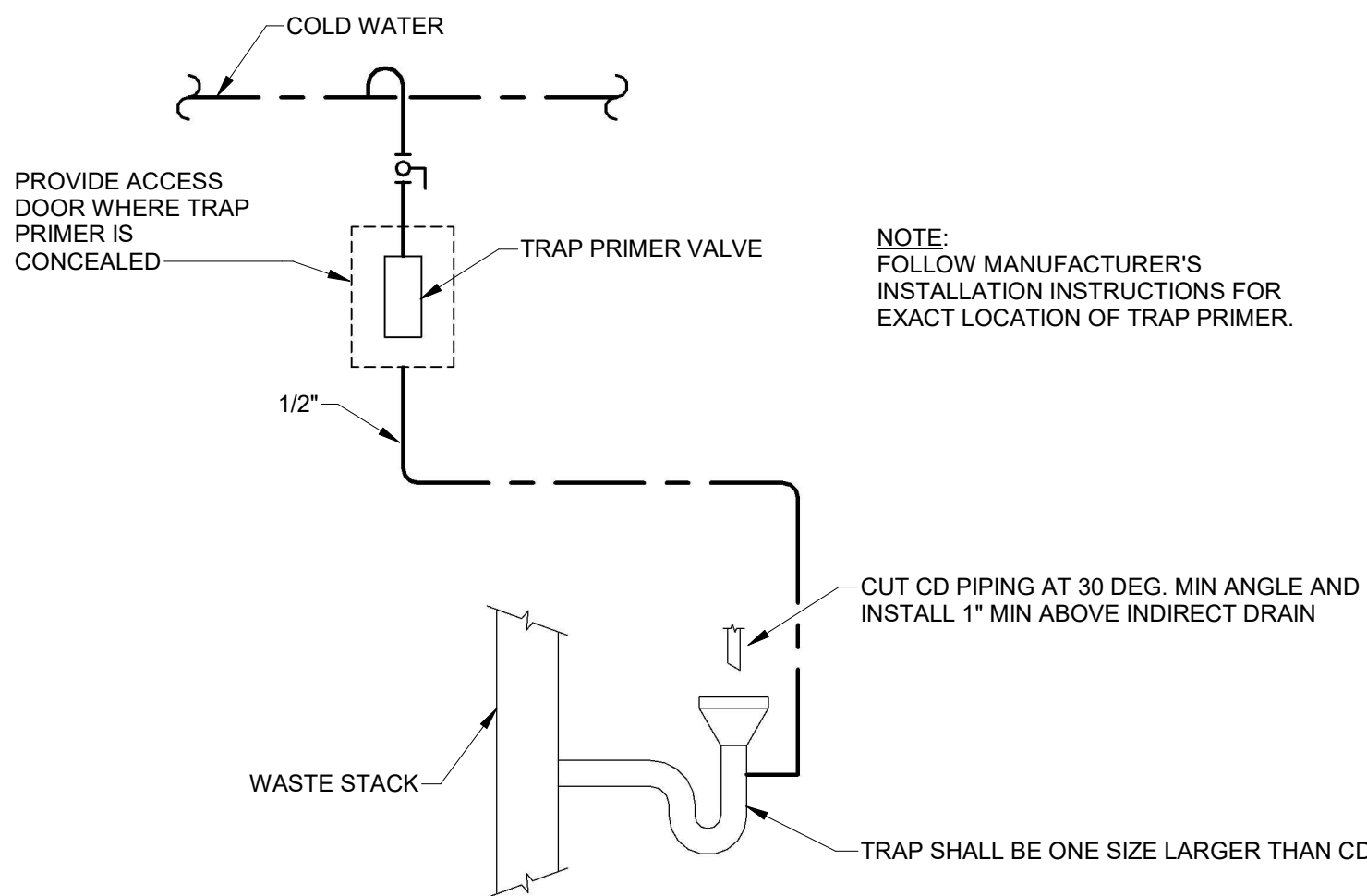
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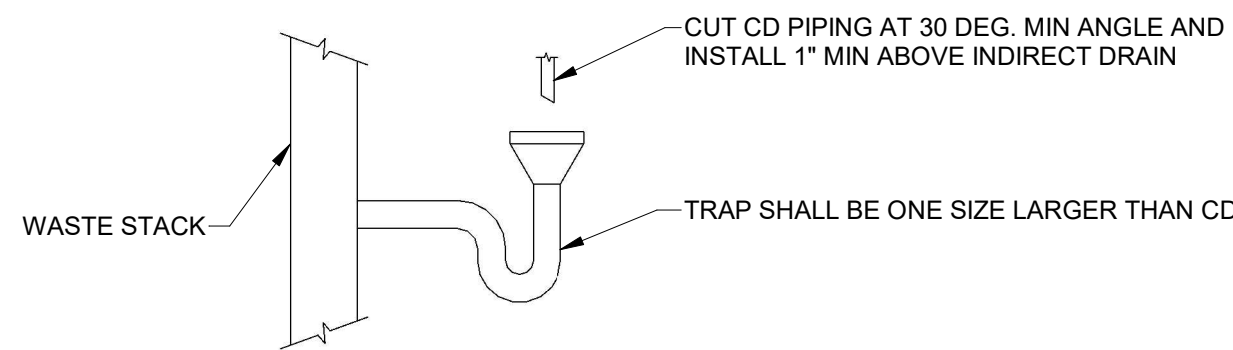
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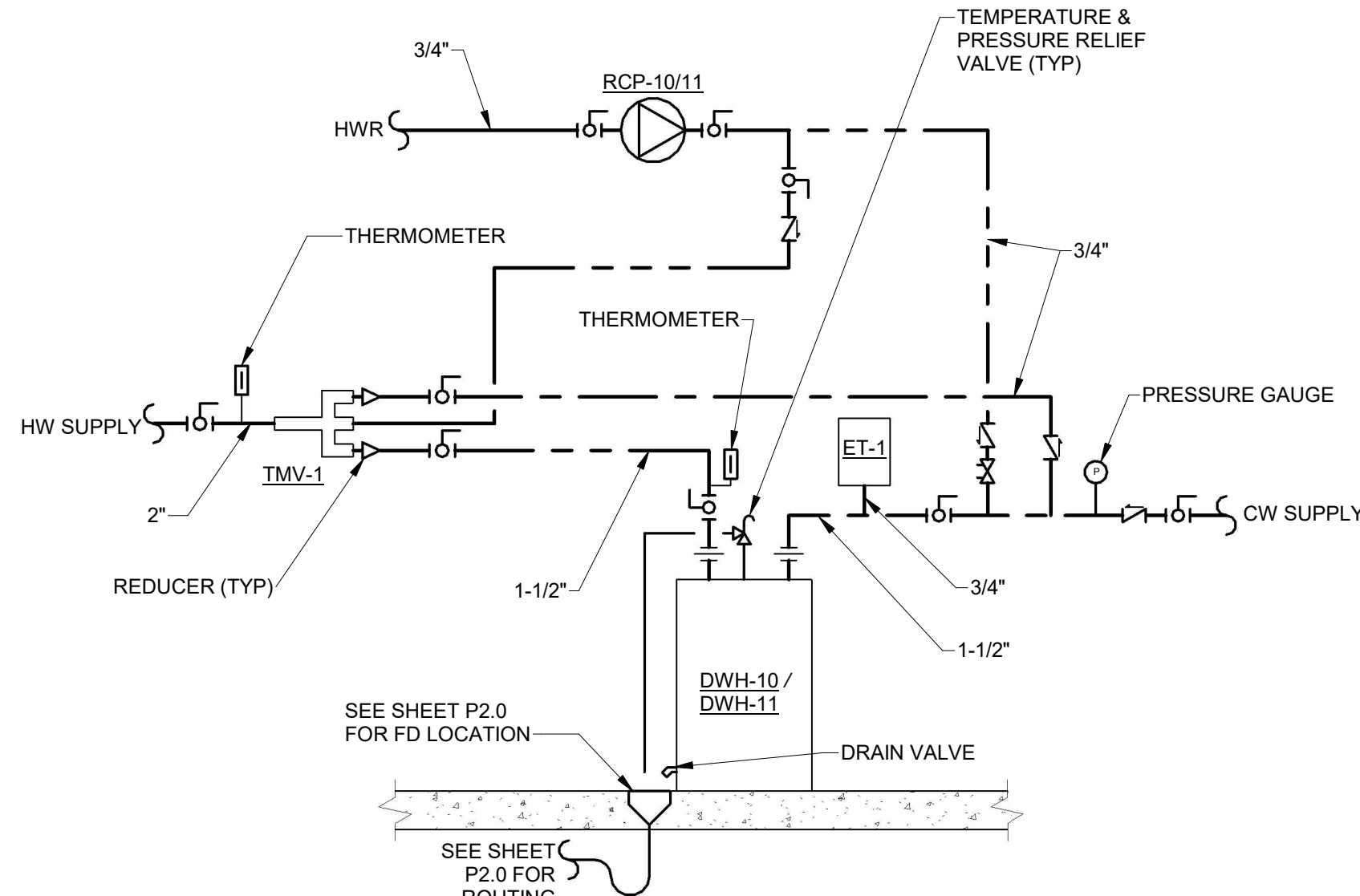
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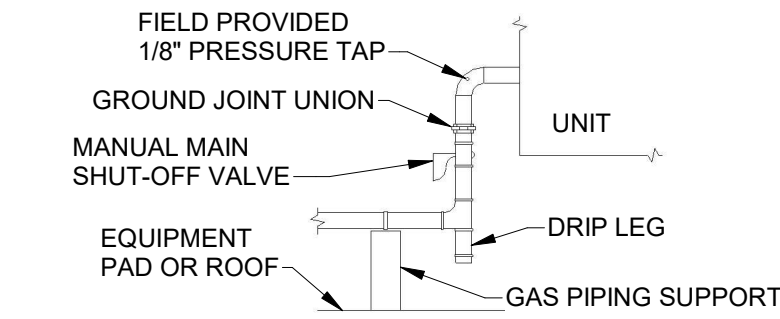
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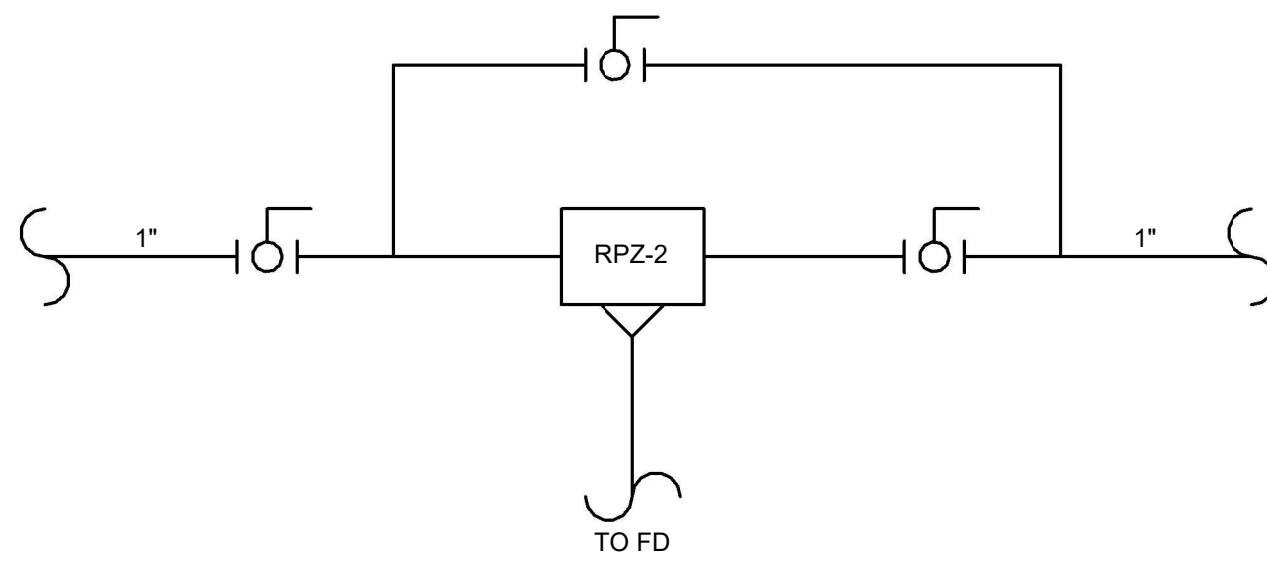
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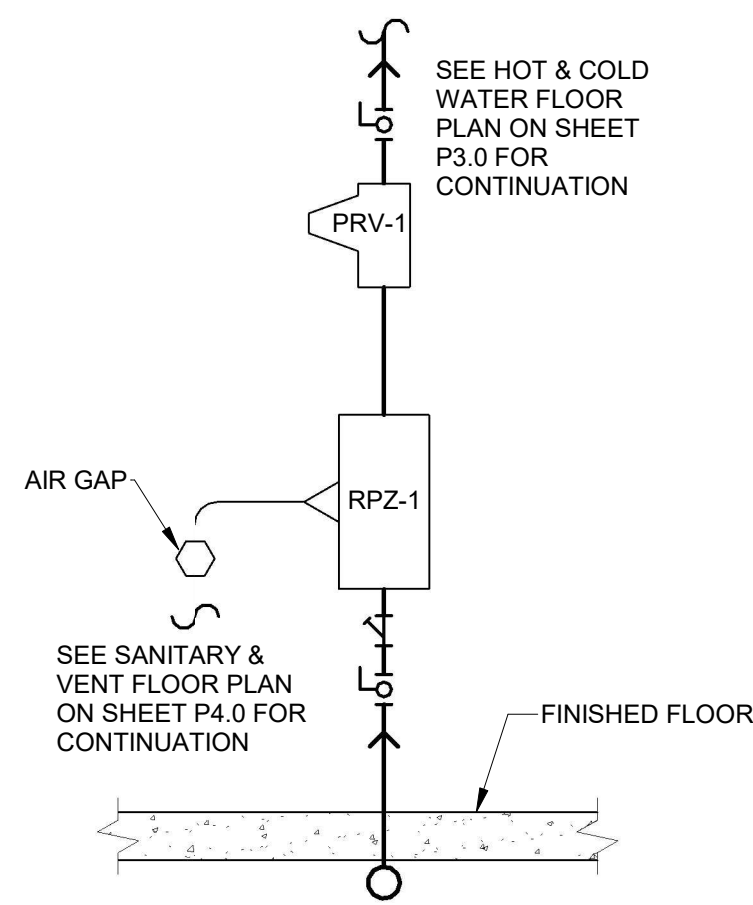
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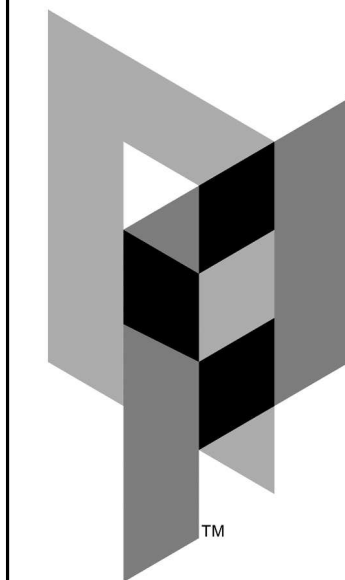
GAS CONNECTION DETAIL
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HW SYSTEM MAKE-UP WATER DETAIL
NOT TO SCALE



RPZ DETAIL VERTICAL
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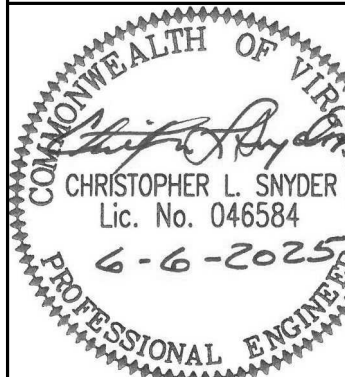


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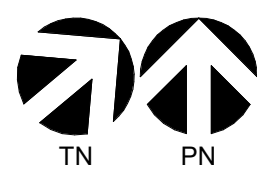
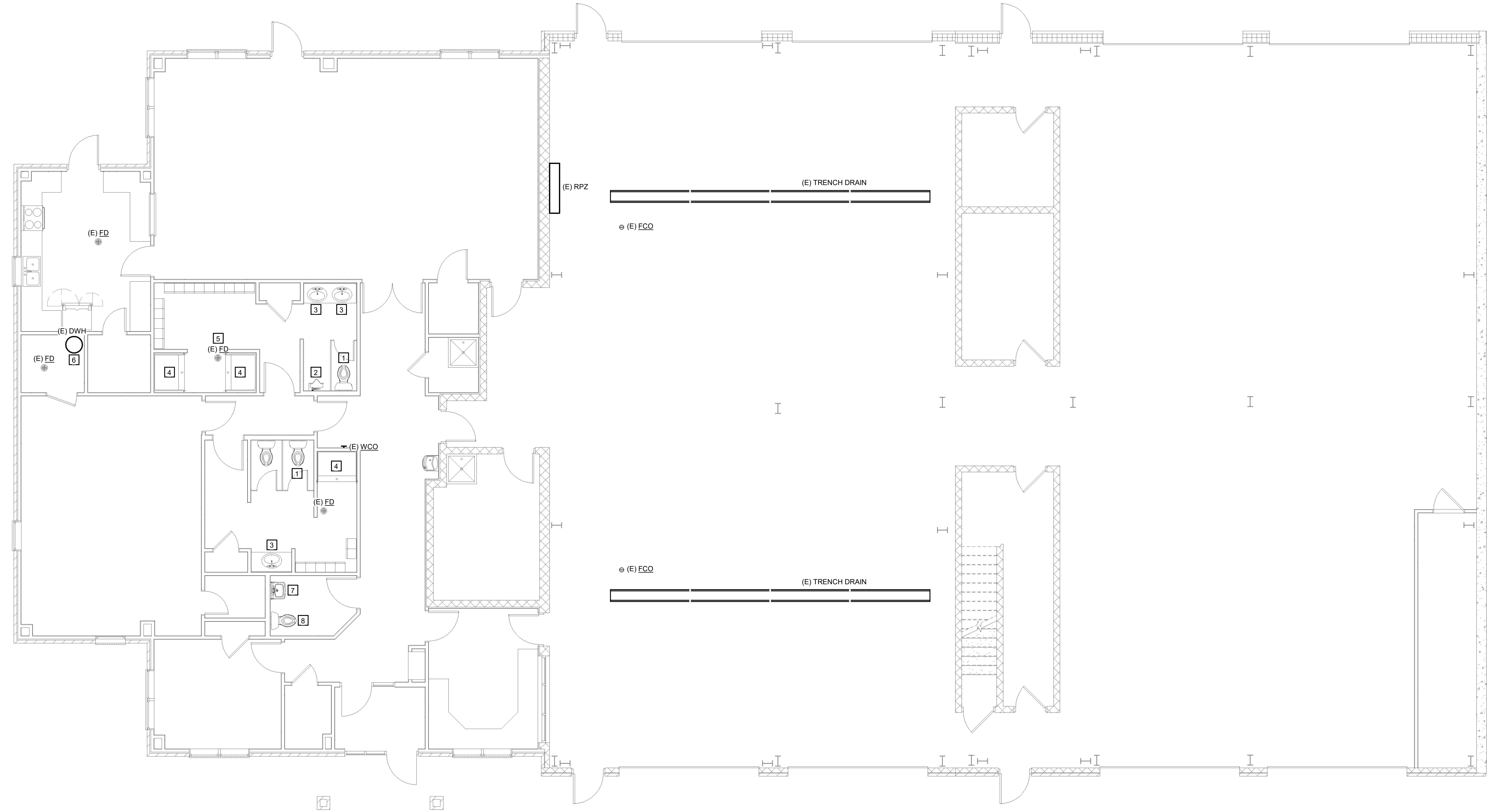
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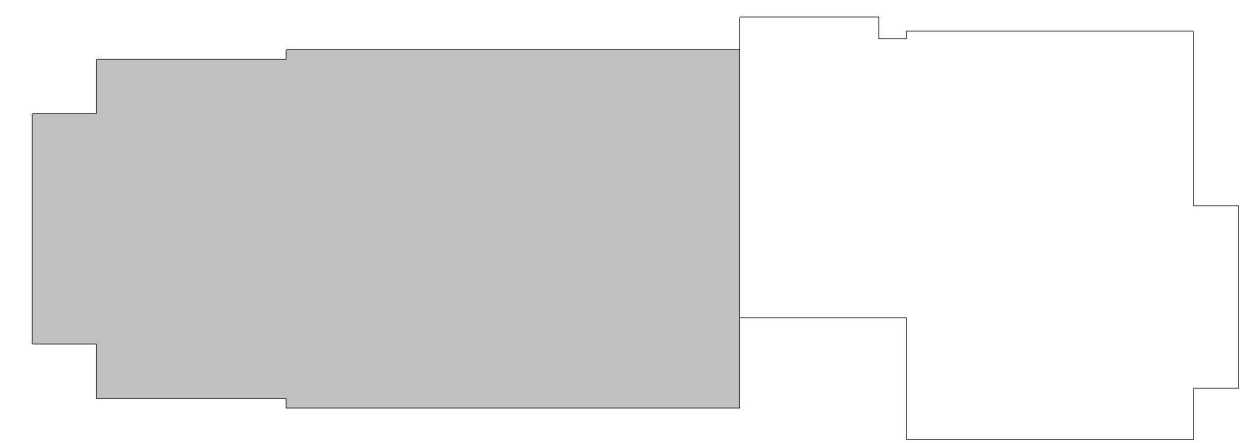
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PD1.0

PLUMBING WEST END DEMOLITION PLAN

3/16" = 1'-0"



KEY PLAN

GENERAL NOTES

1. DEMOLISH FIXTURES AND PIPING AS INDICATED. DEMOLISH ALL SUPPLY PIPING ASSOCIATED WITH THE FIXTURE BEING DEMOLISHED. REPAIR FINISHES AS REQUIRED. SEE ARCHITECTURAL.

DEMOLITION NOTES

1. DEMOLISH EXISTING TANK TYPE WATER CLOSET. CUT AND CAP SUPPLY AND DWV PIPING AND REMOVE CLOSET FLANGE. CONCEAL BEYOND FINISHED SURFACE.
2. DEMOLISH EXISTING URINAL. CUT AND CAP SUPPLY AND DWV PIPING TO CONCEAL BEYOND FINISHED SURFACE.
3. DEMOLISH EXISTING FAUCET, DRAIN FITTINGS, AND LAVATORY. CUT AND CAP SUPPLY AND DWV PIPING TO CONCEAL BEYOND FINISHED SURFACE.
4. DEMOLISH EXISTING SHOWER VALVE, SHOWER HEAD, AND DRAIN. CUT AND CAP SUPPLY AND DWV PIPING TO CONCEAL BEYOND FINISHED SURFACE.
5. DEMOLISH FLOOR DRAIN AND CAP EXISTING SANITARY PIPING TO CONCEAL BELOW FINISHED FLOOR.
6. EXISTING WATER HEATER IS TO REMAIN AND BE REUSED FOR CONNECTION TO EXISTING AND NEW FIXTURES AS REQUIRED.
7. DEMOLISH EXISTING WALL-MOUNTED LAVATORY AND DISCONNECT SUPPLY PIPING AND DRAIN. PREP FOR RECONNECTION TO NEW FIXTURE.
8. DEMOLISH EXISTING TANK TYPE WATER CLOSET AND DISCONNECT SUPPLY PIPING. CLOSET FLANGE TO REMAIN. PREP FOR RECONNECTION TO NEW FIXTURE.

3/16" = 1'-0"



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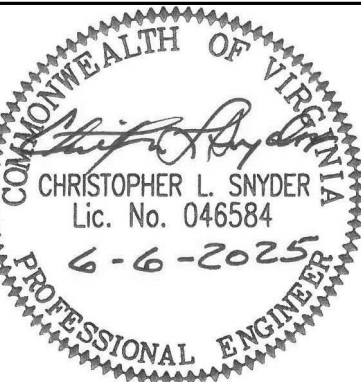


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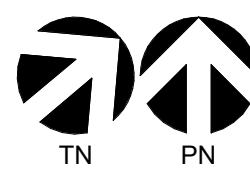
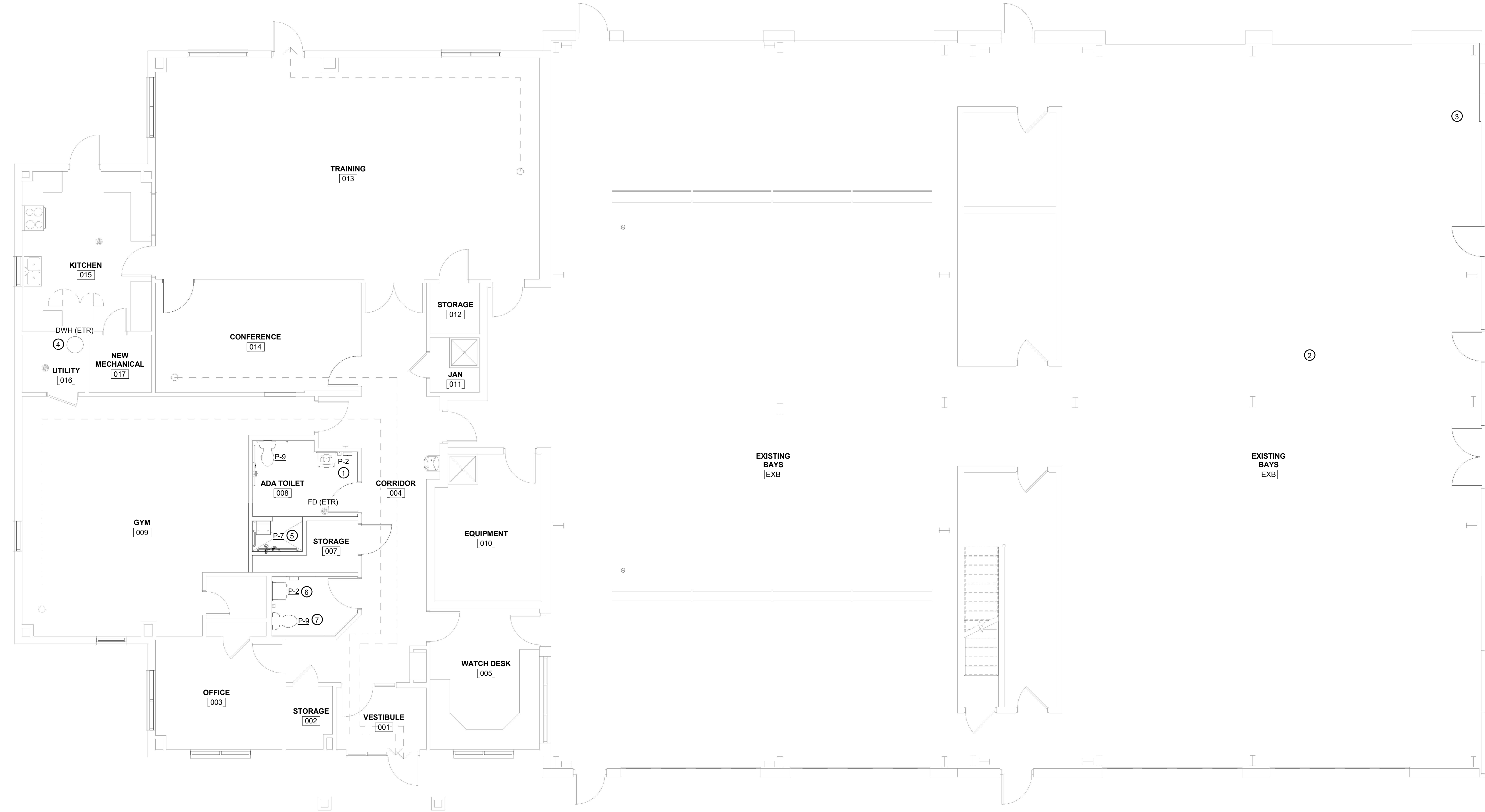
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**PLUMBING
WEST END
DEMOLITION
PLAN**

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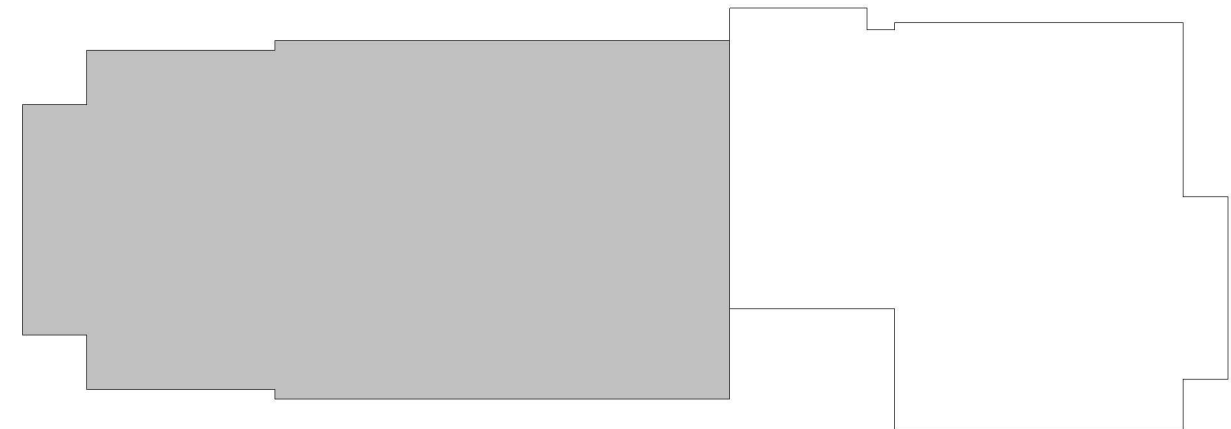
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P2.0

PLUMBING WEST END NEW WORK FLOOR PLAN

3/16" = 1'-0"



KEY PLAN

PLAN NOTES

1. INSTALL NEW DRAIN AND FITTINGS AND INSTALL NEW FAUCET EQUAL TO MOEN MODEL 8425. RELOCATE AND REPIPE EXISTING HOT AND COLD WATER PIPING TO PERMIT INSTALLATION OF LAVATORY IN THIS LOCATION. INSTALL NEW WASTE AND VENT PIPING. INSTALL 1/4 TURN STOP VALVES ON HOT AND COLD WATER SUPPLY.
2. PROVIDE COMPRESSED AIR DROP FROM EXISTING OVERHEAD DISTRIBUTION PIPING FOR TEMPORARY CONNECTION TO AIR COMPRESSOR IN THIS LOCATION.
3. REMOVE COMPRESSED AIR PIPE RISER AT WALL AND CAP WITH VALVE AND UNION FOR REUSE. RECONNECT UPON COMPLETION OF CONSTRUCTION AS DIRECTED.
4. CONNECT HOT WATER TO SERVE FIXTURE TO EXISTING HOT WATER PIPING FROM EXISTING WATER HEATER AND INSTALL SHUT OFF VALVE ON SOURCE LINE.
5. INSTALL NEW DRAIN AND FITTINGS AND INSTALL NEW SHOWER FIXTURE P-7. CONNECT HOT AND COLD WATER PIPING TO EXISTING 1/2" HW AND CW IN VICINITY WITH 1/2" BALL VALVES ON EACH. CONNECT 2" DRAIN TO EXISTING SANITARY OF MINIMUM 2" SIZE AND 1 1/2" VENT TO EXISTING PIPING. VERIFY ALL LINE LOCATIONS IN THE FIELD.
6. CONNECT NEW FIXTURE P-2 SANITARY DRAIN WITH NEW P-TRAP. VERIFY EXISTING VENT AS REQUIRED. CONNECT EXISTING HOT AND COLD WATER TO NEW FIXTURE P-2 AND PROVIDE NEW 1/4 STOP VALVES ON EACH.
7. CONNECT NEW WATER CLOSET P-9 USING NEW CLOSET FLANGE SEAL. COORDINATE CLOSET FLANGE LOCATION AND BOLT HOLE WITH FIXTURE PROVIDED AND ADJUST CONNECTION AS REQUIRED. CONNECT EXISTING COLD WATER SUPPLY TO NEW FIXTURE P-9 AND PROVIDE NEW 1/4 STOP VALVE AT FIXTURE.

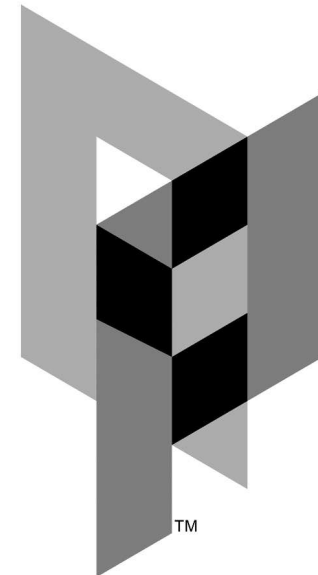
3/16" = 1'-0"



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P2.0

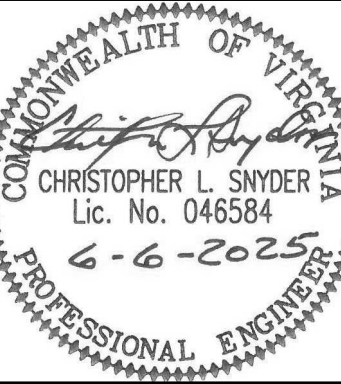


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BOTETOURT COUNTY
RMFDE - 911 COMPLEX
43 EASTPARK DRIVE, ROANOKE, VA 24019 PROJECT NO.: 24100

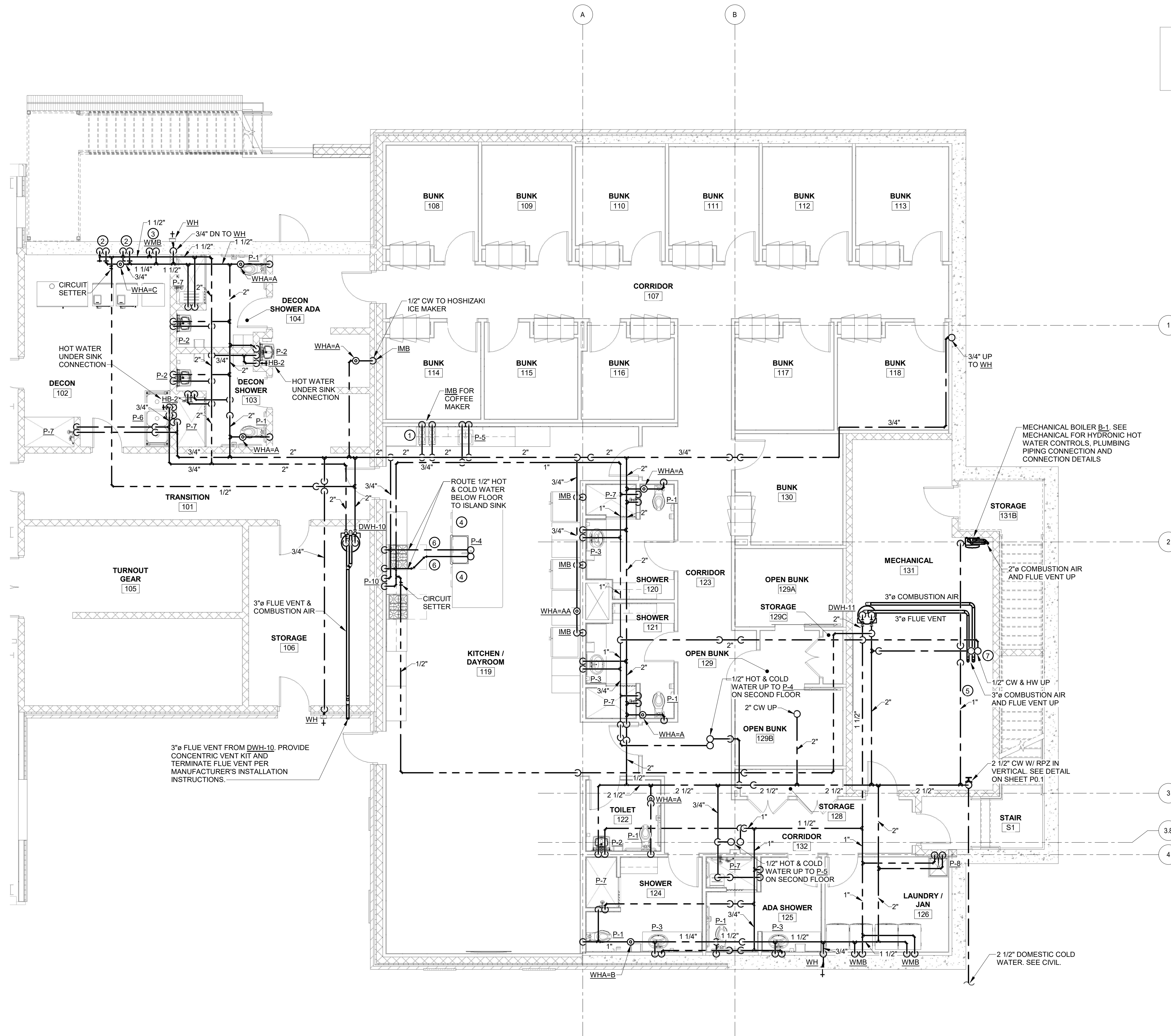
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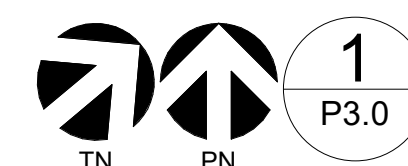
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DATE: 2025-06-06
DESIGNED: CLS/ETO
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CHECKED: CLS
REVISIONS:

**PLUMBING
WEST END
NEW WORK
FLOOR PLAN**



KEY PLAN



1 PLUMBING FIRST FLOOR NEW WORK HOT & COLD WATER PLAN

P3.0 3/16" = 1'-0"

PLAN NOTES

- CONFIRM FINAL LOCATION OF OWNER SPECIFIED EQUIPMENT PRIOR TO INSTALLATION.
- INSTALL HB-1 HOSE BIBBS FOR HOT AND COLD WATER CONNECTIONS TO GEAR EXTRACTORS IN THIS LOCATION. COORDINATE FINAL LOCATION WITH OWNER SPECIFIED EQUIPMENT. SEE PLUMBING MISCELLANEOUS EQUIPMENT SCHEDULE FOR HOSE BIBB DETAILS.
- INSTALL SURFACE MOUNTED WASHING MACHINE BOX IN THIS LOCATION. COORDINATE FINAL LOCATION WITH OWNER SPECIFIED EQUIPMENT. SEE PLUMBING MISCELLANEOUS SCHEDULE FOR WASHING MACHINE BOX DETAILS.
- ROUTE DOMESTIC WATER PIPING FROM SINK P-4 TO DISHWASHERS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 1" BOILER MAKE-UP. SEE DETAIL ON SHEET P0.2.
- INSULATE UNDERSLAB PIPING USING 3/4" CLOSED CELL FOAM.
- FIRE-STOP COMBUSTION AIR AND FLUE VENT AT PENETRATION INTO CHASE.

3/16" = 1'-0"



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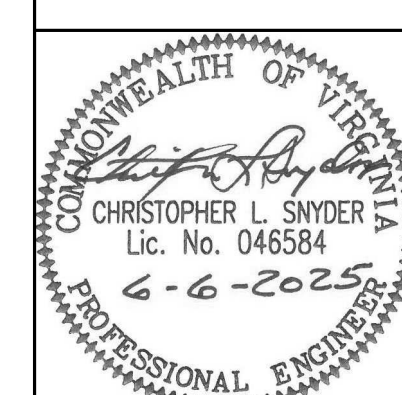
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P3.0

BOTETOURT COUNTY RMFDE - 911 COMPLEX

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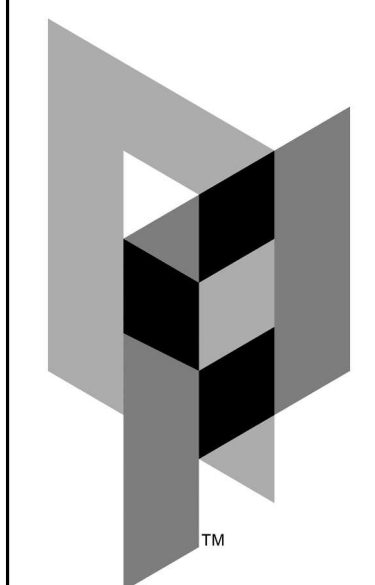


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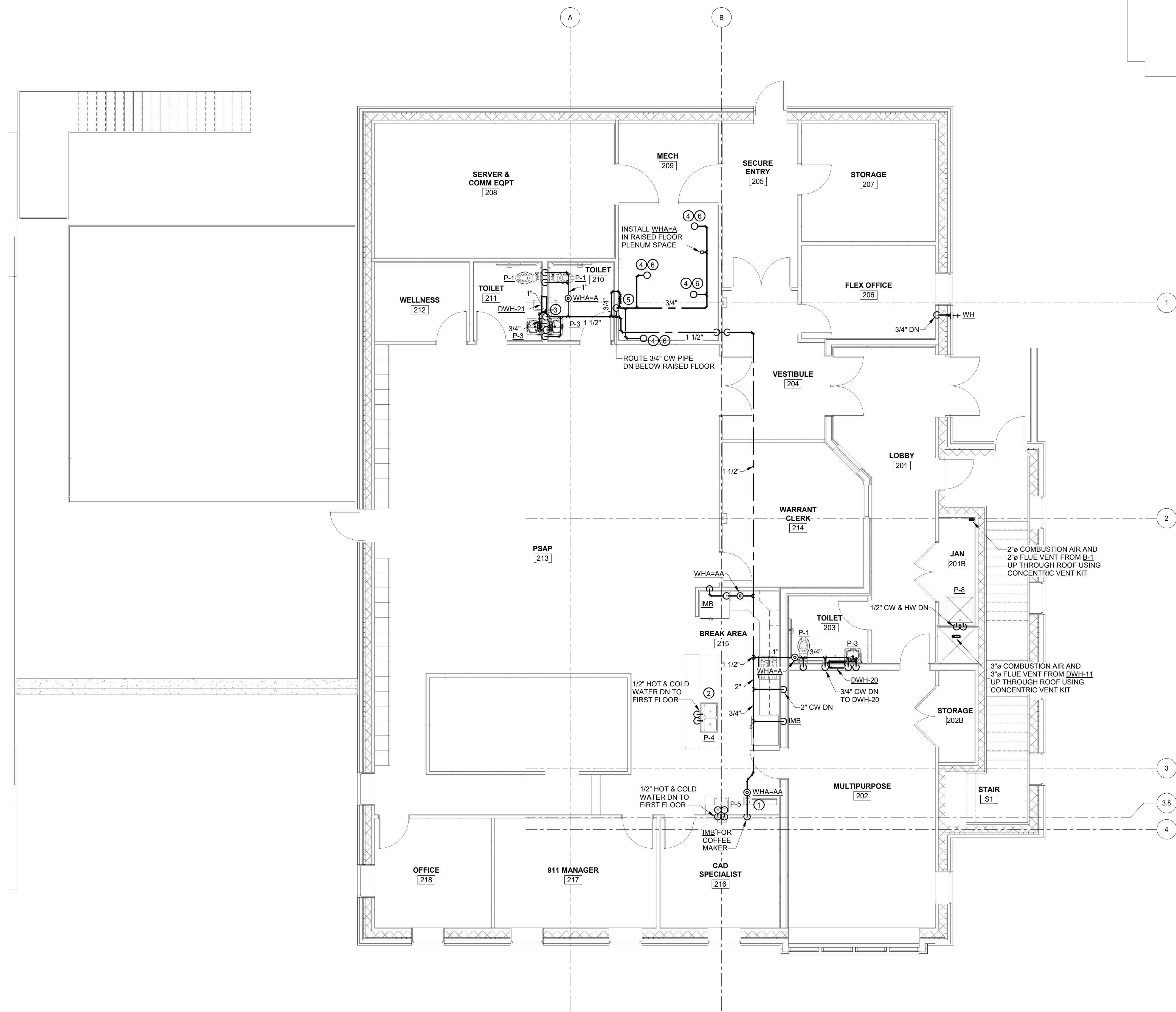
PLUMBING
FIRST FLOOR
NEW WORK
HOT & COLD
WATER PLAN

P3.0



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KEY PLAN

 **1** PLUMBING SECOND FLOOR NEW WORK HOT & COLD WATER PLAN
P3.1 3/16" = 1'-0"

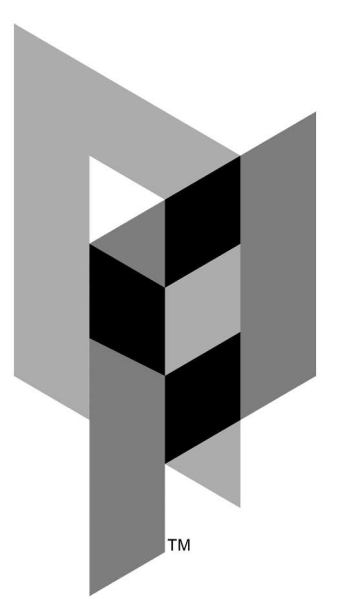
PLAN NOTES

- COORDINATE FINAL LOCATION OF OWNER SPECIFIED EQUIPMENT PRIOR TO INSTALLATION.
- ROUTE DOMESTIC WATER PIPING FROM SINK P-4 TO DISHWASHERS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- ROUTE 3/4" DOMESTIC COLD WATER PIPING DN TO DWH-4.
- ROUTE 3/4" DOMESTIC COLD WATER PIPING DN TO BELOW RAISED FLOOR AND CONNECT TO HUMIDIFIER CONNECTION. SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND COORDINATE PIPING WITH OTHER TRADES.
- INSTALL RPZ-3 IN THIS LOCATION FOR HUMIDIFIER SUPPLY TO CRAC-1A, 1B, 2A, 2B. INSTALLATION SHALL BE IN ACCORDANCE TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALL 3/4" DRAIN TEMPERING VALVE, MODEL 3/4" DTV FROM THERMOMEGATECH, AT HUMIDIFIER DRAIN CONNECTION FOR CRAC-1A, 1B, 2A, 2B. SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND COORDINATE WITH OTHER TRADES.

3/16" = 1'-0"
0' 1' 2' 4' 8'

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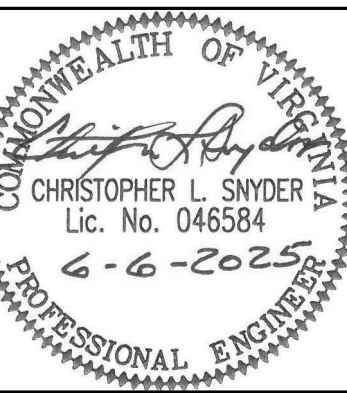


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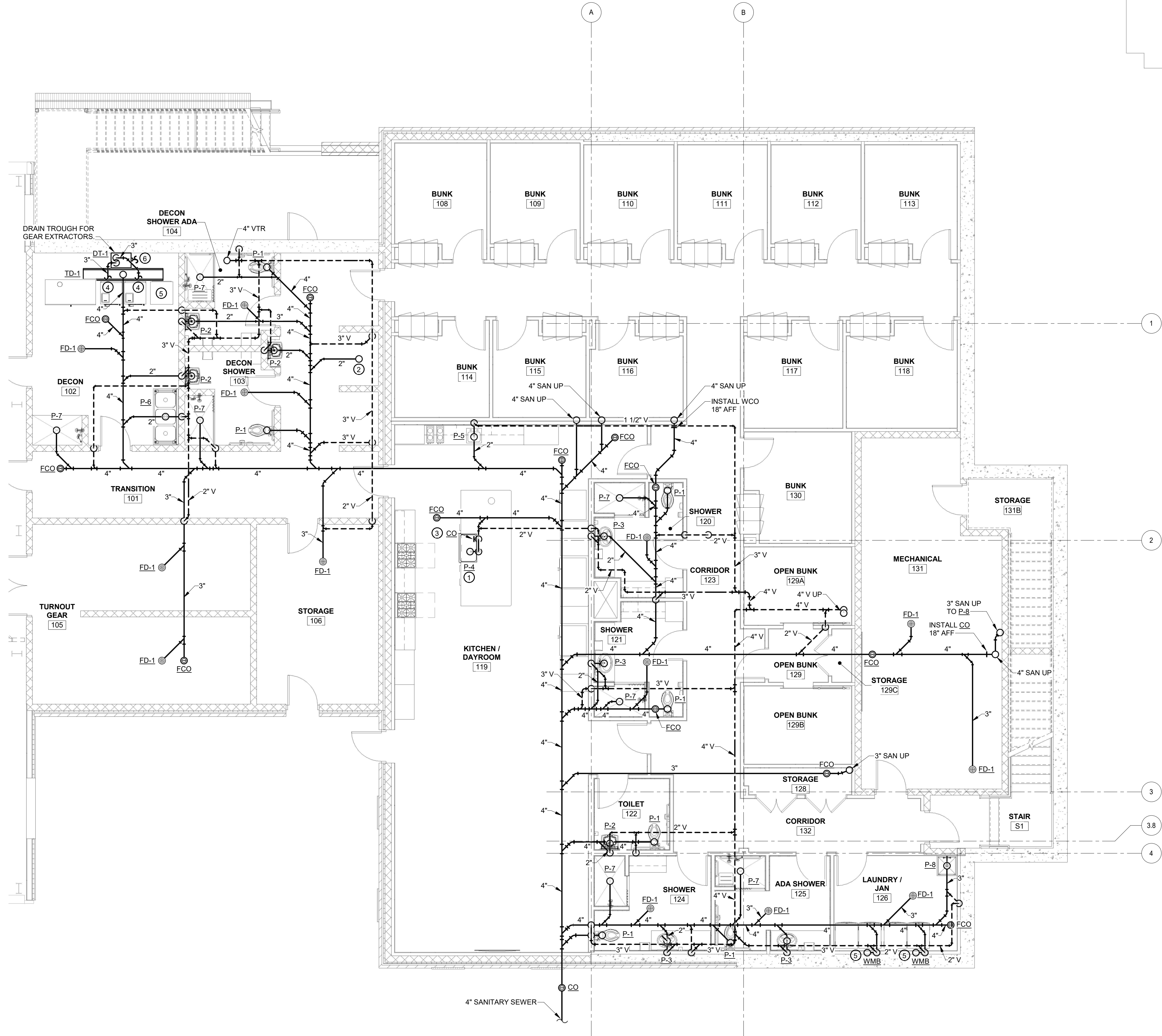


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PLUMBING SECOND FLOOR NEW WORK HOT & COLD WATER PLAN

P3.1



KEY PLAN


PLAN NOTES

- SEE KITCHEN ISLAND SINK DRAINAGE DETAIL ON SHEET P0.2 FOR ROUTING LAYOUT AS PER THE 2021 VIRGINIA PLUMBING CODE.
- ROUTE 2" SANITARY FROM HOSHIZAKI ICE MAKER. COORDINATE WITH OWNER ON FINAL LOCATION OF ICE MAKER. INSTALL TRAP AND STAND PIPE, AS REQUIRED.
- MAINTAIN 5" SEPARATION BETWEEN SANITARY PIPE AND SUPPLY WATER PIPES SERVING SINK P-4.
- ROUTE 3" SAN FROM GEAR EXTRACTORS TO DRAIN TROUGH AS SHOWN.
- INSTALL FILTROL MODEL, REUSABLE INLINE FILTER, INLINE OF WASHING MACHINE DRAIN HOSE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- ROUTE 3" SAN FROM DRAIN TROUGH TO TRENCH DRAIN IN ACCORDANCE TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

 1 PLUMBING FIRST FLOOR NEW WORK SANITARY & VENT PLAN
P4.0 3/16" = 1'-0"

3/16" = 1'-0"



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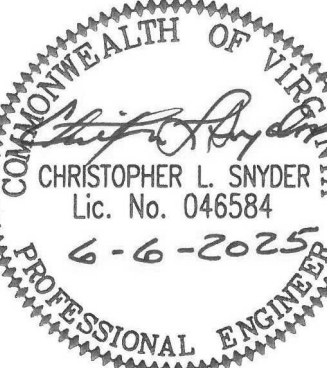


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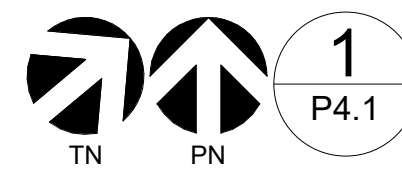
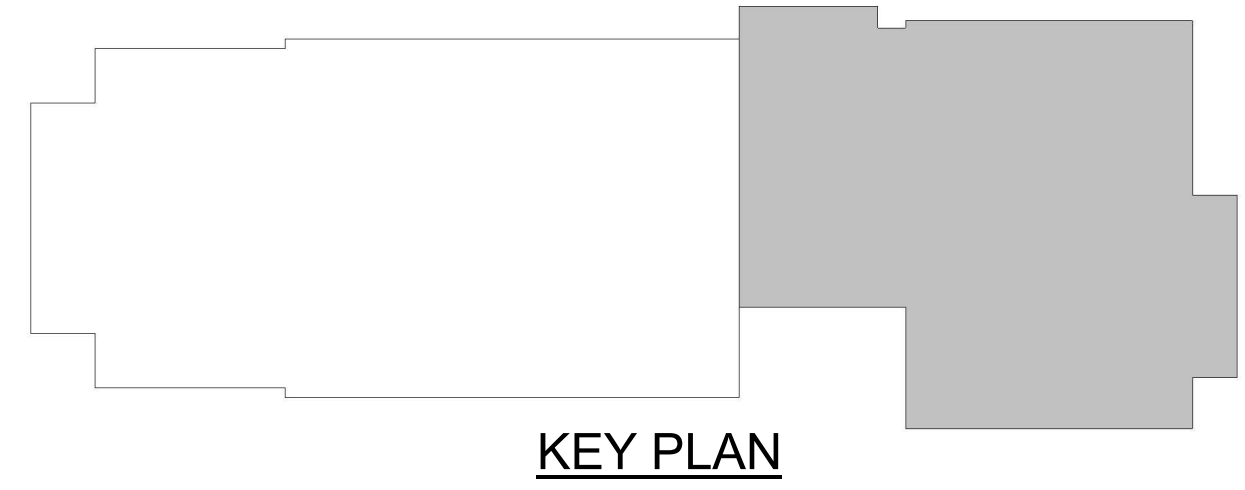
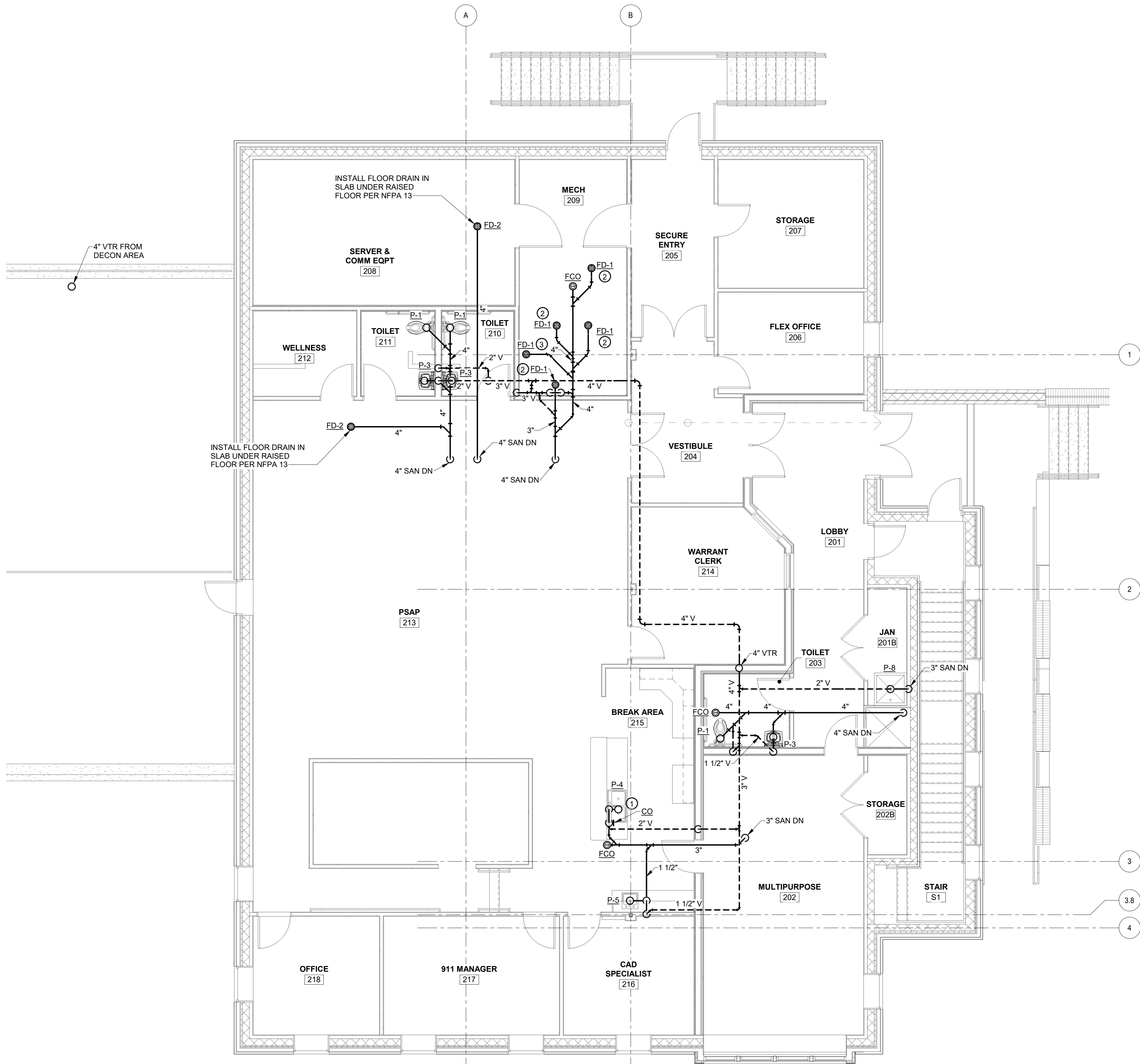


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PLUMBING
FIRST FLOOR
NEW WORK
SANITARY &
VENT PLAN

P4.0



1 PLUMBING SECOND FLOOR NEW WORK SANITARY & VENT PLAN

P4.1 3/16" = 1'-0"

3/16" = 1'-0"



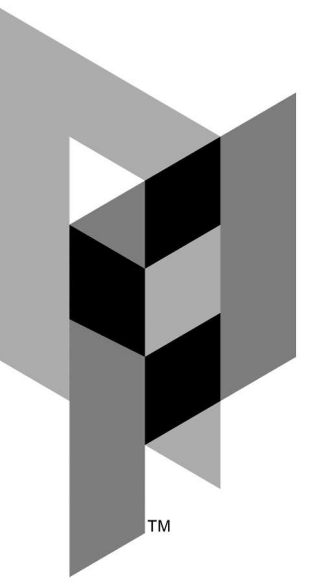
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GENERAL NOTES

1. SANITARY PIPING ROUTED THROUGH RAISED FLOOR PLENUM SPACE SHALL BE CAST IRON.

PLAN NOTES

1. SEE KITCHEN ISLAND SINK DRAINAGE DETAIL ON SHEET P0.2 FOR ROUTING LAYOUT AS PER THE 2021 VIRGINIA PLUMBING CODE.
2. ROUTE CONDENSATE FROM MECHANICAL EQUIPMENT BELOW RAISED FLOOR AND TO NEARBY FLOOR DRAIN BY INDIRECT DRAIN. SEE DETAIL ON SHEET P0.2.
3. INSTALL FLOOR DRAIN ON RAISED FLOOR FOR RPZ DRAIN.

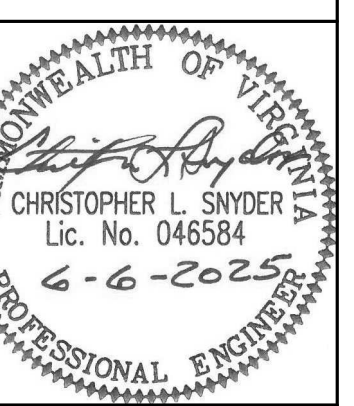


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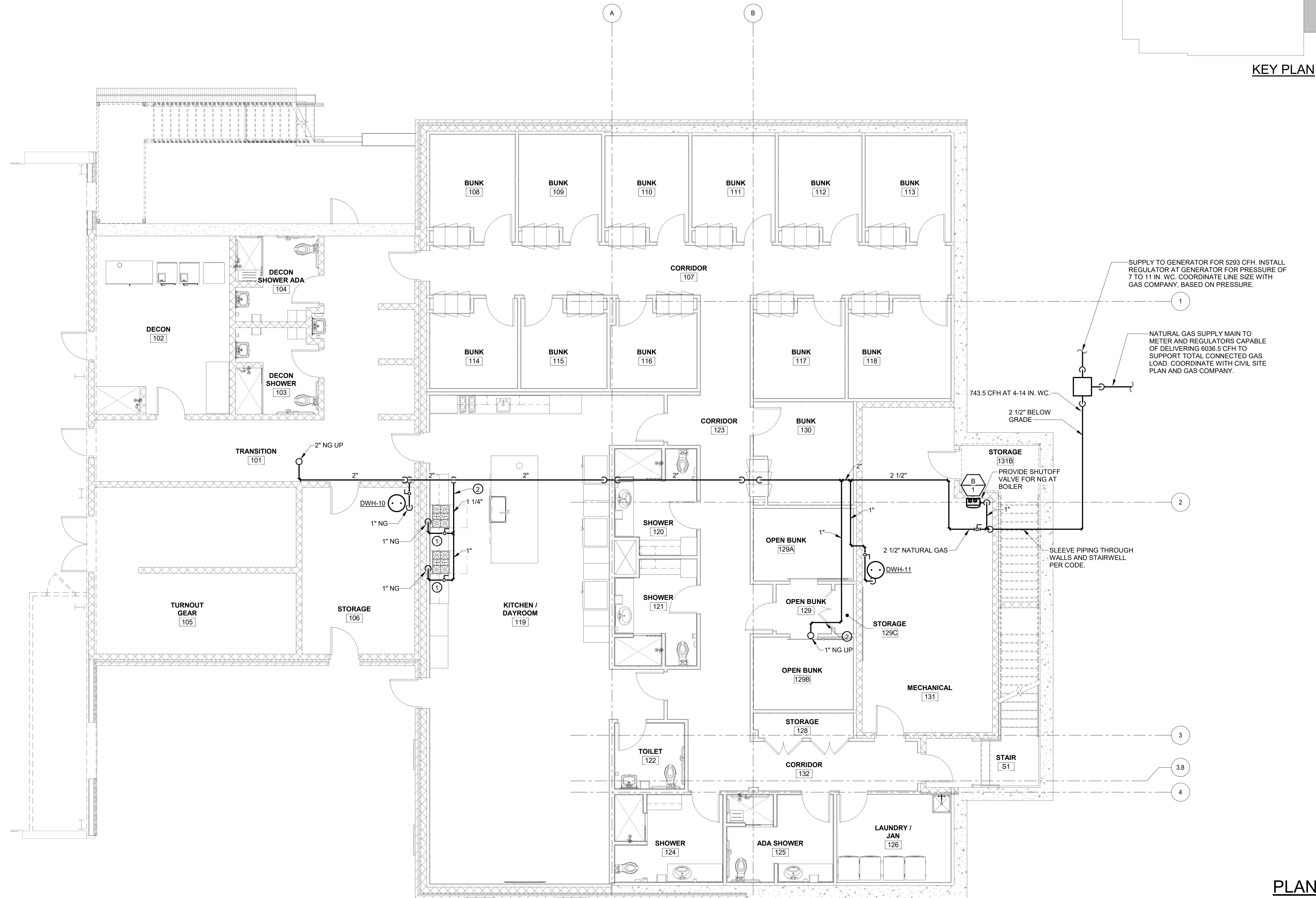
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**PLUMBING
SECOND
FLOOR NEW
WORK
SANITARY &
VENT PLAN**

P4.1

ES



KEY PLAN

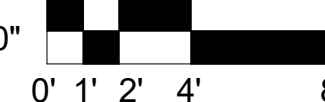


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P5.0

PLUMBING FIRST FLOOR NEW WORK NATURAL GAS PLAN

3/16" = 1'-0"

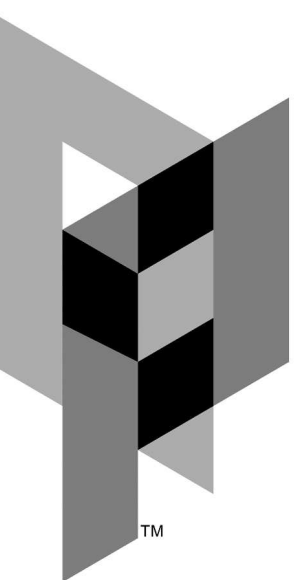
3/16" = 1'-0"



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PLAN NOTES

- CONNECT TO OWNER SUPPLIED RANGE USING APPROVED CONNECTOR. INSTALL RANGE HOOD SHUT OFF VALVE AND INTERLOCK WITH HOOD.
- INSTALL MOTORIZED SHUT-OFF VALVE IN THIS LOCATION. COORDINATE VALVE WIRING WITH HOOD SHUT-OFF SIGNAL AS REQUIRED.



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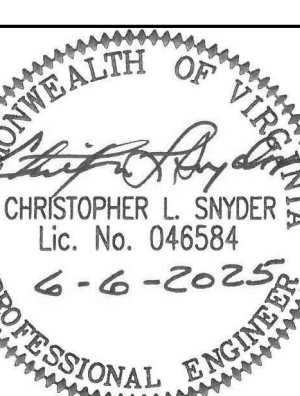
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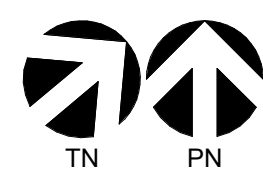


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PLUMBING
FIRST FLOOR
NEW WORK
NATURAL
GAS PLAN

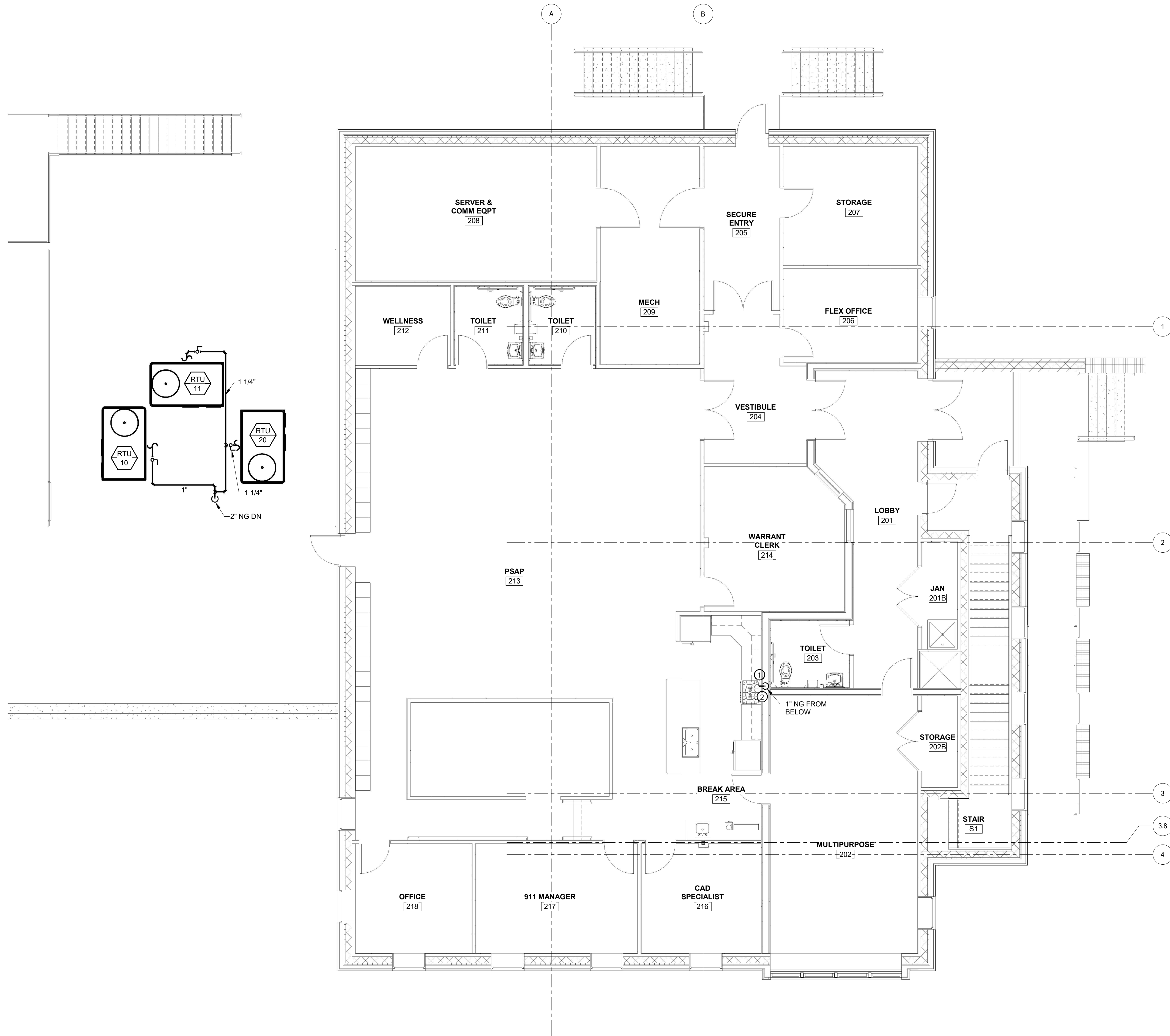
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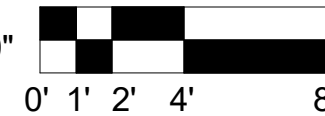
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P5.1

PLUMBING SECOND FLOOR NEW WORK NATURAL GAS PLAN

3/16" = 1'-0"



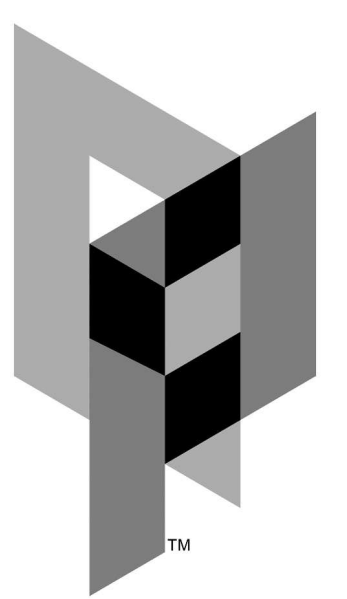
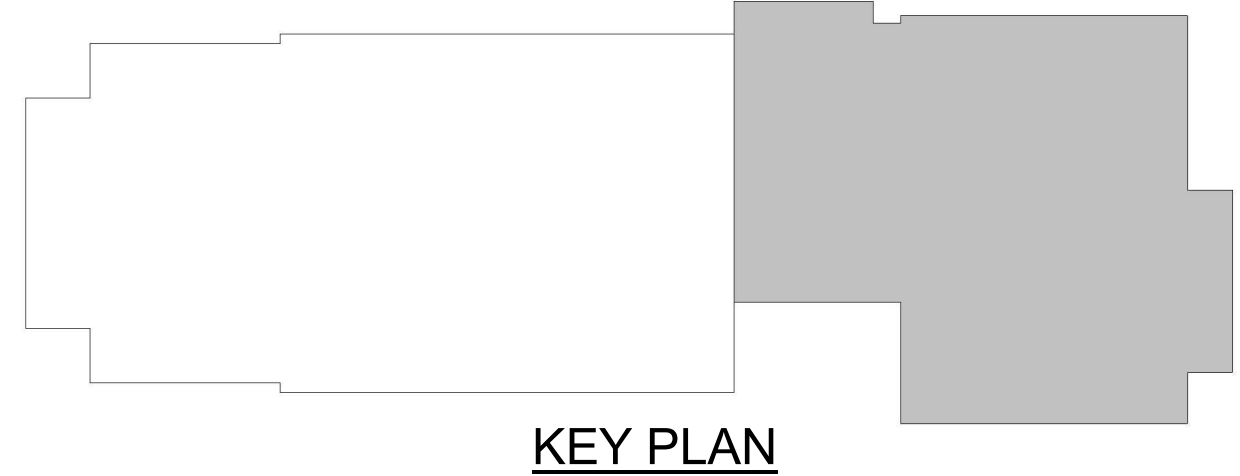
3/16" = 1'-0"



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PLAN NOTES

- CONNECT TO OWNER SUPPLIED RANGE USING APPROVED CONNECTOR. INSTALL RANGE HOOD SHUT OFF VALVE AND INTERLOCK WITH HOOD.
- INSTALL BALL VALVE IN SUPPLY PIPING.

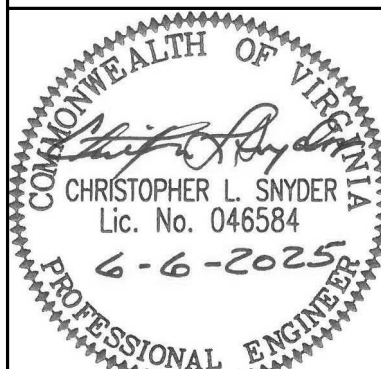


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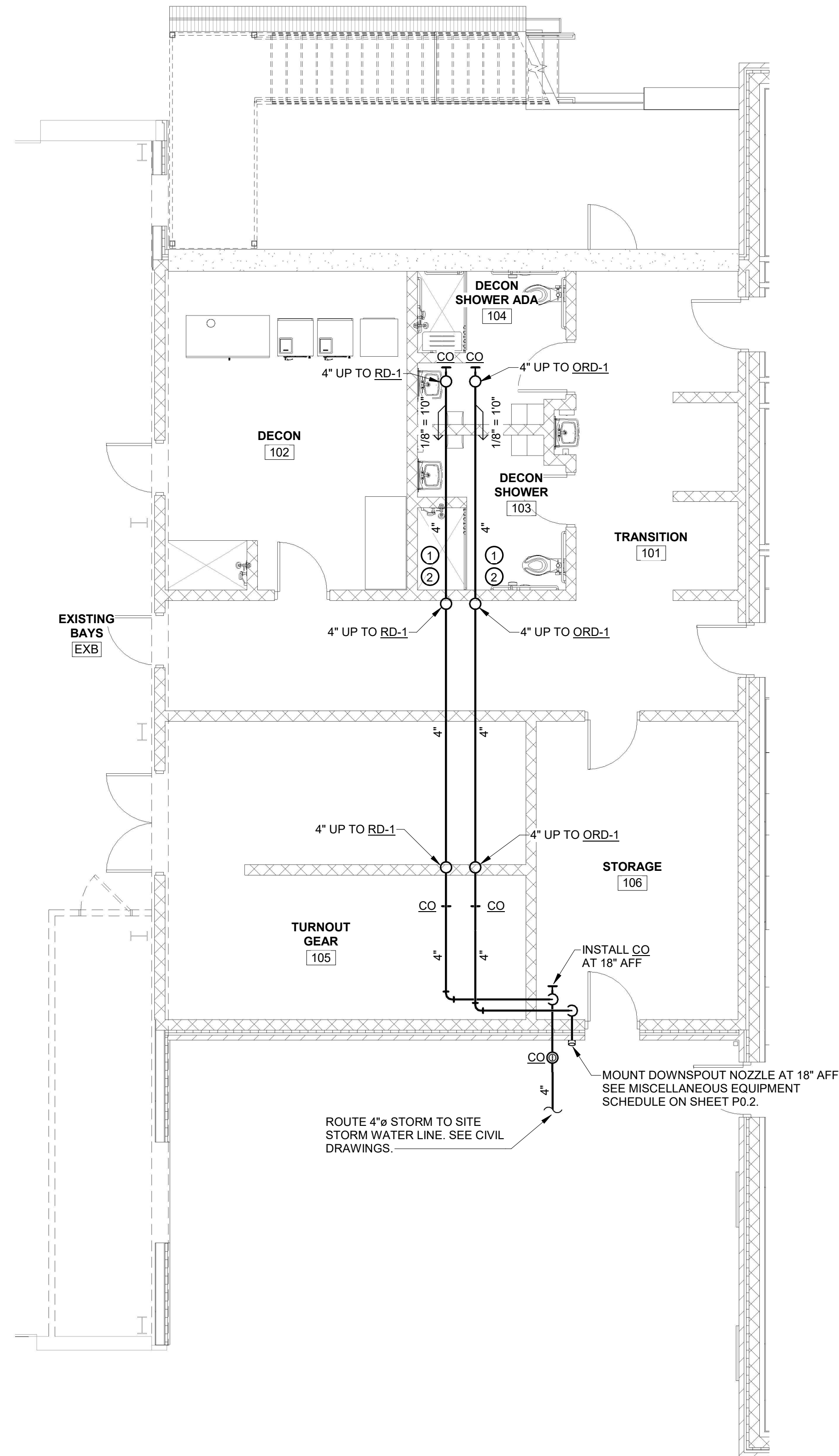
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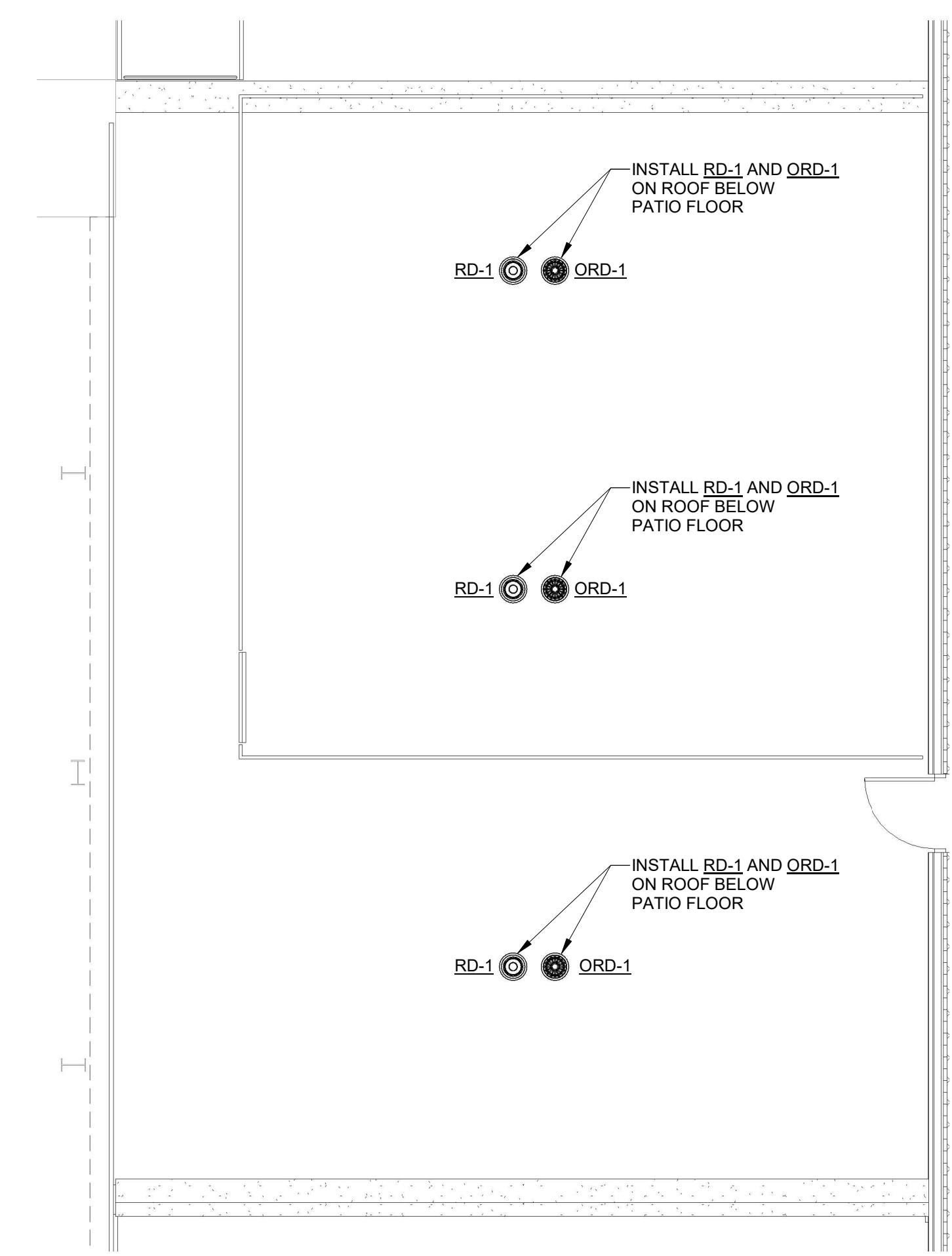
**PLUMBING
SECOND
FLOOR NEW
WORK
NATURAL
GAS PLAN**

P5.1

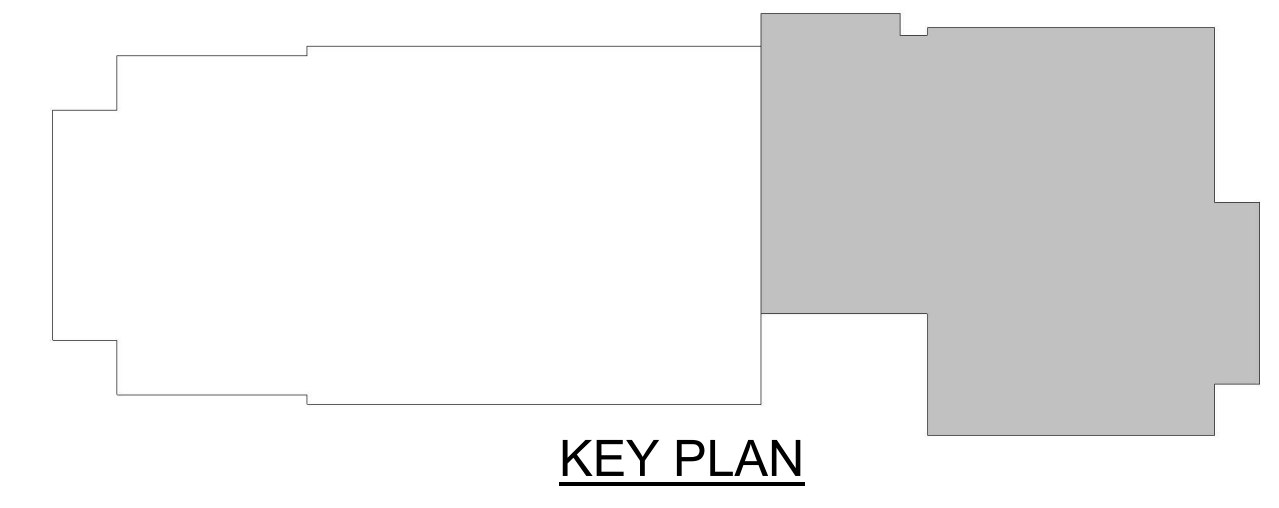
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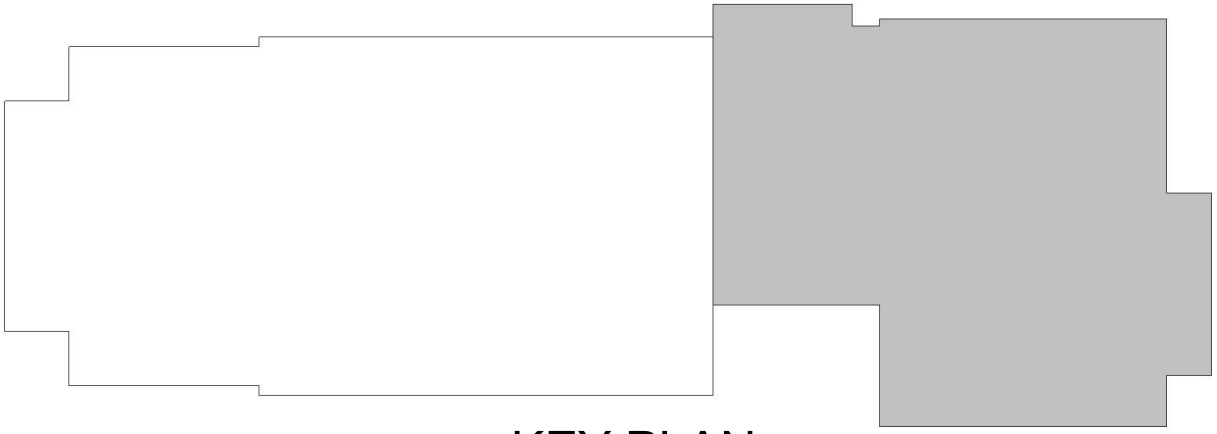
 **1** PLUMBING FIRST FLOOR NEW WORK STORM PLAN
P6.0 3/16" = 1'-0"



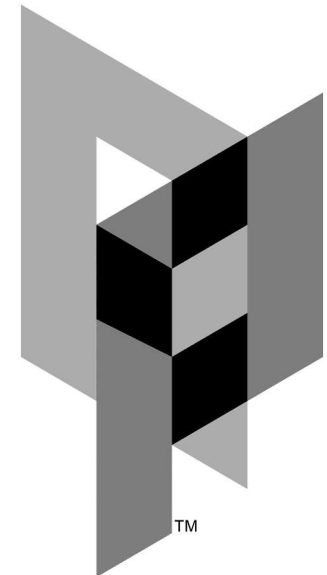
 **2** PLUMBING FIRST FLOOR ROOF NEW WORK STORM PLAN
P6.0 3/16" = 1'-0"



- PLAN NOTES**
- ① SLOPE ALL STORM PIPING AT 1/8" PER FOOT.
 - ② INSULATE ALL STORM PIPING INCLUDING UNDERSIDE OF ROOF AND OVERFLOW DRAINS.



KEY PLAN



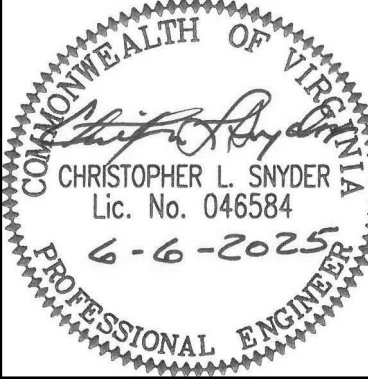
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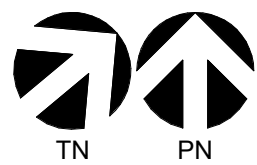
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PLUMBING
ROOF NEW
WORK PLAN

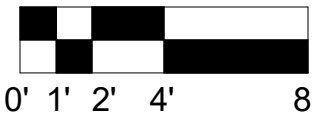


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P7.0

PLUMBING ROOF NEW WORK PLAN

3/16" = 1'-0"

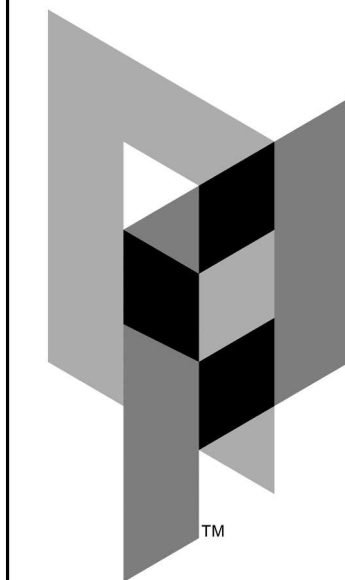
3/16" = 1'-0"



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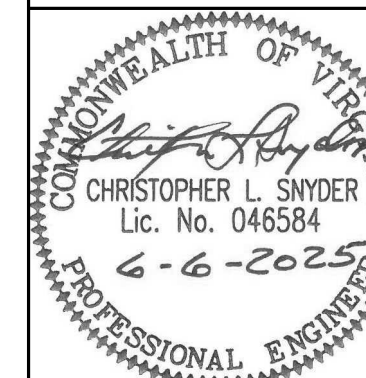
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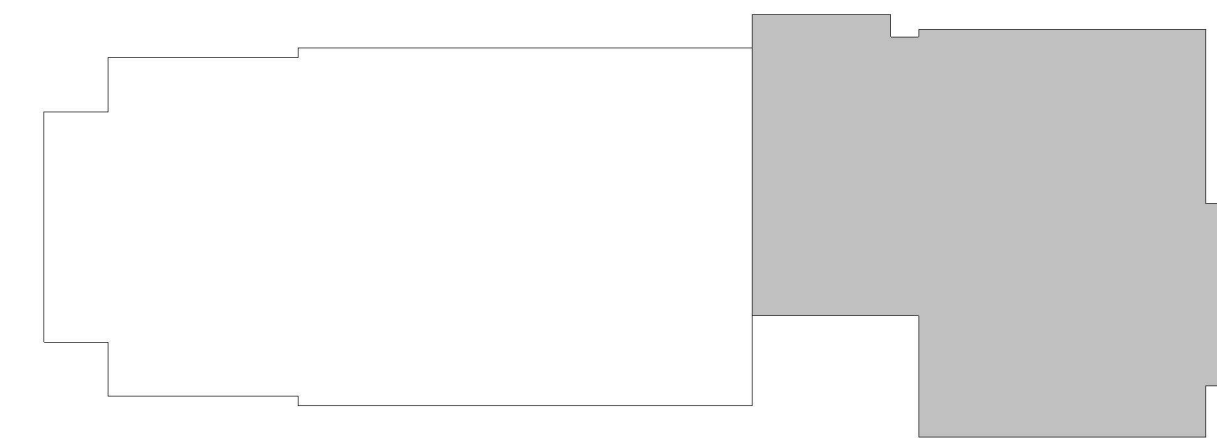
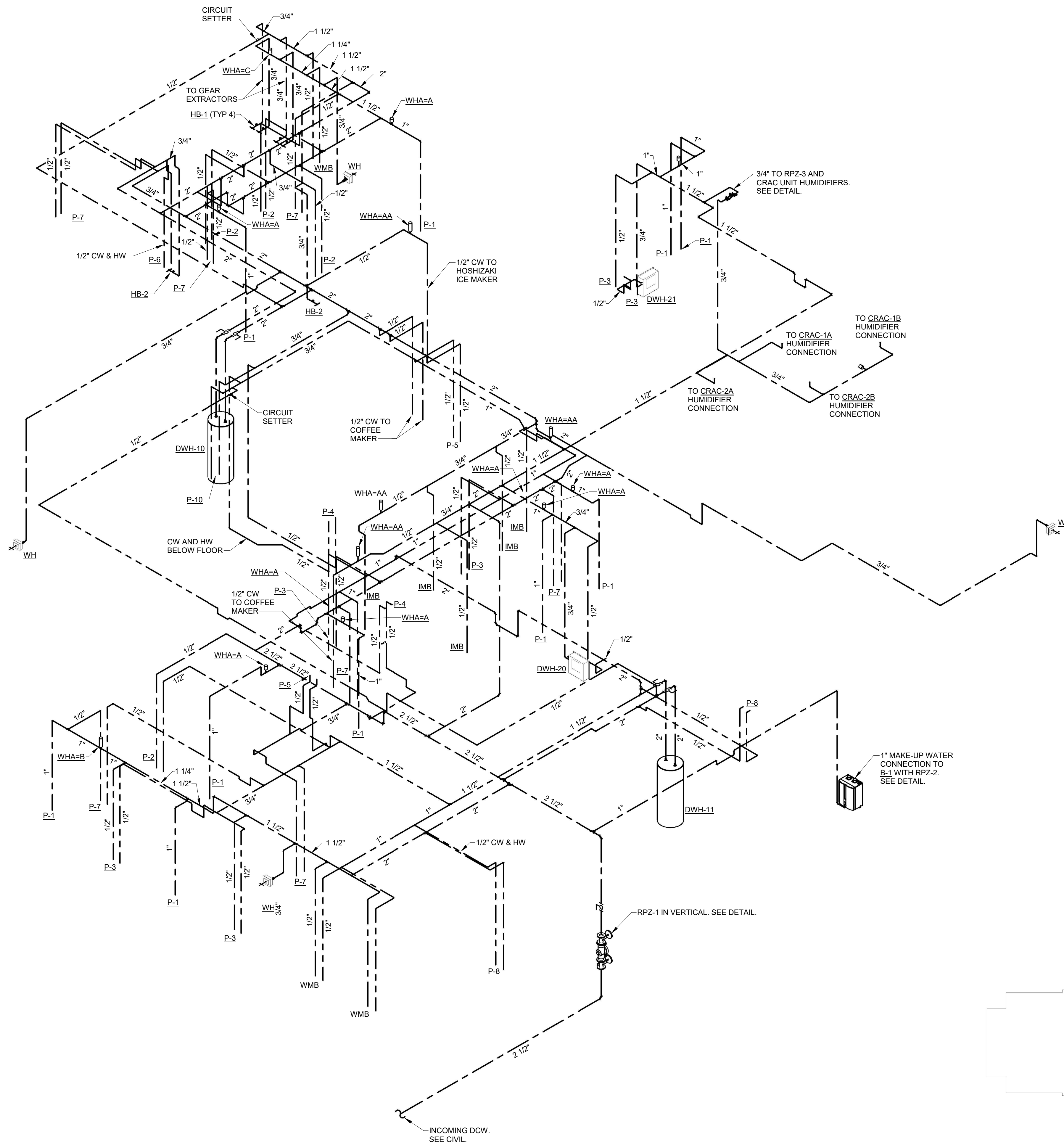
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PLUMBING
NEW WORK
HOT & COLD
WATER RISER
DIAGRAM

ES

P8.0



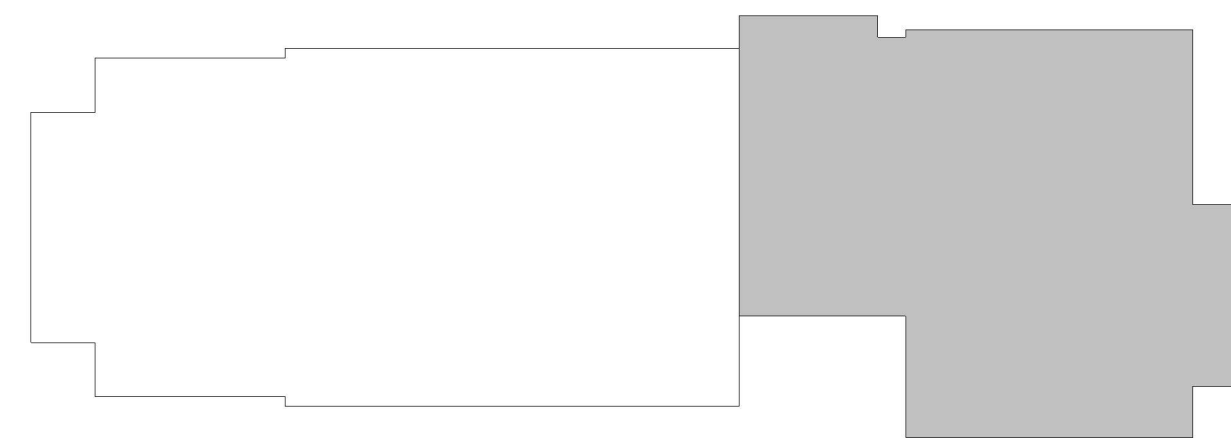
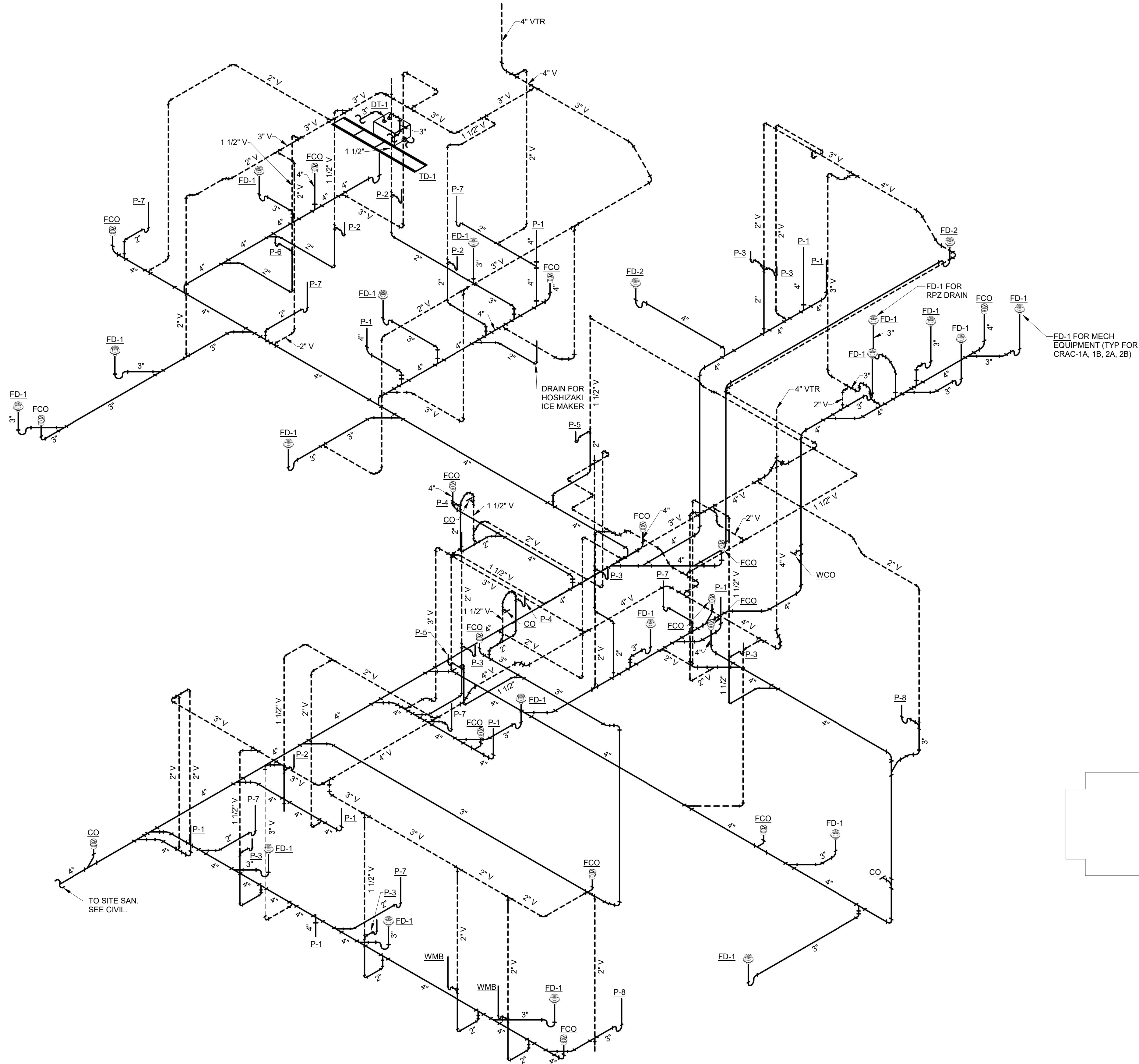
KEY PLAN

1 HOT & COLD WATER RISER DIAGRAM

P8.0



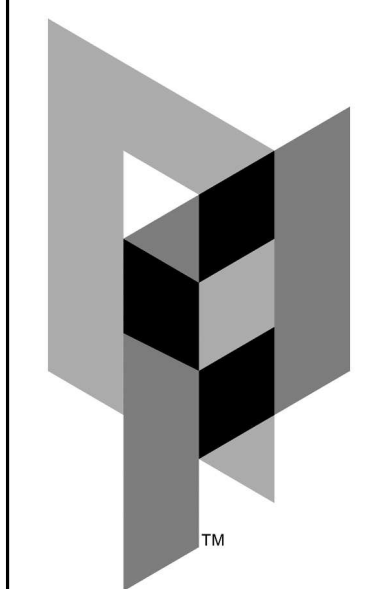
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KEY PLAN

NOTE:

SEE SHEET P4.0 FOR DIRECTION
ON WASTE PIPE ROUTING FROM
GEAR EXTRACTORS AND NEIGHBORING
WASHING MACHINE LOCATED IN DECON

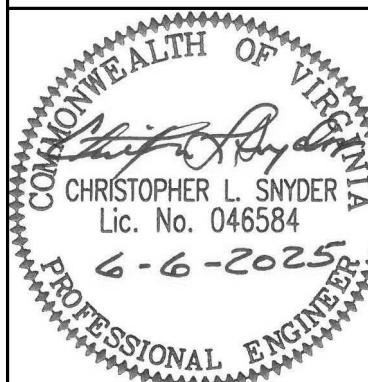


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AND THIS OFFICE MUST BE NOTIFIED OF
ANY VARIATION FROM THE DIMENSIONS AND
CONDITIONS SHOWN BY THESE DRAWINGS.

DATE: 2025-06-06
DESIGNED: CLS/ETO
DRAWN: ETO
CHECKED: CLS
REVISIONS:

**PLUMBING
NEW WORK
SANITARY &
VENT RISER
DIAGRAM**

P9.0

ES