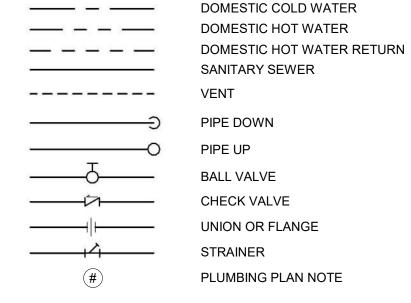
# **LEGEND**



DETAIL NUMBER

DRAWING WHERE
CALLOUT IS
REFERENCED FROM

##

CALLOUT HEAD

DRAWING WHERE CALLOUT IS SHOWN

# **ABBREVIATIONS**

DOL	LVIATIONS
ABV AFF ASJ CLG	ABOVE ABOVE FINISHED FLOOR ALL SERVICE JACKET CEILING
CO CS	CLEANOUT CIRCUIT SETTER
CV	CHECK VALVE
CW DEG. F DN	DOMESTIC COLD WATER DEGREES FAHRENHEIT DOWN
DWH EWC	DOMESTIC WATER HEATER ELECTRIC WATER COOLER
FD FR	FLOOR DRAIN FROM
SA	GAUGE
GND	GROUND
GPH	GALLONS PER HOUR
GPM .D	GALLONS PER MINUTE
HB	HOSE BIBB
∃P ∃W	HORSEPOWER DOMESTIC HOT WATER
-WR	DOMESTIC HOT WATER
_PG	LIQUIFIED PETROLEUM GAS
_VG	LEAVING
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
/O	NORMALLY CLOSED NORMALLY OPEN
NTS	NOT TO SCALE
OPG	OPENING
	DI LIMBINO A DELANAGE INICTITUT

PLUMBING & DRAINAGE INSTITUTE

SANITARY SEWER

WALL HYDRANT

WROUGHT

VENT THROUGH ROOF

WATER HAMMER ARRESTOR

PDI

SAN

VTR

WHA

WRT

# **GENERAL NOTES:**

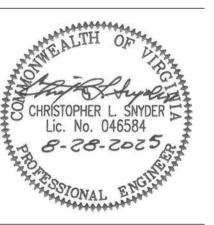
- A. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE UNIFORM STATEWIDE BUILDING CODE, INCLUDING REFERENCED CODES AND STANDARDS AND IN ACCORDANCE WITH MANDATES OF THE LOCAL BUILDING OFFICALS.
- B. THE GENERAL ARRANGEMENT AND LOCATIONS OF PIPING, FIXTURES, ETC. ARE INDICATED BY THE DRAWINGS AND SHALL 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. SEE SPECIFICATIONS FOR SEISMIC REQUIREMENTS.
- 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
- R. INSULATE ALL STORM WATER PIPING IN EXISTING BUILDING INCLUDING BOTTOM SIDE OF ROOF DRAINS.
- S. ALL PLUMBING PIPING AND INSULATION WITHIN PLENUM SPACES SHALL BE NON-COMBUSTIBLE OR COMPLY WITH ASTM E84 OR UL 723 FOR FLAME SPREAD AND SMOKE-DEVELOPED INDEX.
- T. FIRESTOP ALL PIPING PENETRATIONS THROUGH RATED ASSEMBLIES.

				PLUM	BING FI	XTURE	SCHEDULE			
DESIGNATION	FIXTURE	MANUFACTURER	SIZE	SUPPLY FITTINGS	TRAP	CARRIER	DEMARKS & ACCESSODIES	CONNECTION SIZES REMARKS & ACCESSORIES		
DESIGNATION	FIXTURE	& MODEL	SIZE	AND STOPS	ITAP	CARRIER	REIVIARRO & ACCESSORIES	WASTE	HOT	COLD
P-1	WATER CLOSET	AMERICAN STANDARD 3351.001	ADA	-	INTEGRAL	WALL MOUNTED	FLUSH VALVE: MOEN 8311 SEAT: AMERICAN STANDARD 5901.100	4"	-	1"
P-2	LAVATORY	KOHLER CAXTON K-2210	19 1/4" OVAL ADA	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	UNDER COUNTER MOUNTED	FAUCET: MOEN 8413F05. DRAINS AND STRAINERS AS RECOMMENDED BY KOHLER	1 1/2"	1/2"	1/2"
P-3	LAVATORY	KOHLER BRENHAM K-1999-4-0	18 5/16" X 19 3/4" ADA	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	WALL MOUNTED	FAUCET: MOEN 8413F05. DRAINS AND STRAINERS AS RECOMMENDED BY KOHLER	1 1/2"	1/2"	1/2"
P-4	SINK	ELKAY ELUHAD281650PD	30 1/2" X 18 1/2" ADA	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	UNDER COUNTER MOUNTED	FAUCET: MOEN 8244 WITHOUT SPRAYER DRAINS AND STRAINERS: ELKAY LKPD1	1 1/2"	1/2"	1/2"
P-5	KITCHEN SINK	ELKAY DOUBLE BOWL 8" DEEP	33" X 22"	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	COUNTER MOUNTED	FAUCET: MOEN 8244 WITH SPRAYER DRAINS AND STRAINERS: ELKAY LKPD1	1 1/2"	1/2"	1/2"
P-6	SINK	ELKAY LRAD171660	17" X 16" X 6" ADA	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	COUNTER MOUNTED	FAUCET: MOEN 8279 DRAINS AND STRAINERS: ELKAY LK99	1 1/2"	1/2"	1/2"
P-7	KITCHEN SINK	ELKAY LRAD312255	31" X 22" ADA	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	COUNTER MOUNTED	FAUCET: MOEN 8244 WITHOUT SPRAYER DRAINS AND STRAINERS: ELKAY LKPD1	1 1/2"	1/2"	1/2"
P-8	JANITOR SINK	FIAT TSB3000	24" X 24"	-	3" P-TRAP	FLOOR MOUNTED	WITH MOEN 8124 FAUCET AND FIAT MODEL 832AA HOSE & HOSE BRACKET, STAINLESS STEEL MOP HANGER & MODEL MSG2424 WALL GUARDS.	3"	1/2"	1/2"
P-9	ELECTRIC WATER COOLER	ELKAY LZSTL8WSSP	BI-LEVEL	3/8" ANGLE STOPS	1 1/2" 17 GA P-TRAP	WALL MOUNTED	HANDS-FREE HIGH/LOW WATER COOLER WITH BOTTLE FILLER. PROVIDE W/STAINLESS STEEL FINISH, BOTTLE FILLER W/SENSOR, OPERATION AND CONCEALED SUPPORT CARRIER OPTION.	1 1/2"	-	1/2"
P-10	SHOWER									
P-11	SHOWER									

MARK	DESCRIPTION								
AC-1	AIR COMPRESSOR - INGERSOLL RAND MODEL 2475N7.5 WITH AFTERCOOLER, ELECTRONIC DRAIN VALVE, AND LOW OIL LEVEL SWITCH. 460V/3PH/60HZ								
DWH-1	DOMESTIC WATER HEATER - A.O. SMITH DEN-120 WITH 120 GALLON TANK, 12.2 KW SIMULTANEOUS INPUT, 55 GPH RECOVERY AT 90 DEG.F RISE, 480V/1PH/60HZ.								
DWH-2	DOMESTIC WATER HEATER - A.O. SMITH DEN-52 WITH 55 GALLON TANK, 6 KW NON- SIMULTANEOUS INPUT, 27 GPH RECOVERY AT 90 DEG.F RISE, 480V/1PH/60HZ								
ET-1	THERMAL EXPANSION TANK - AMTROL MODEL ST-12-C WITH 3.2 GALLONS ACCEPTANCE VOLUME.								
ET-2	THERMAL EXPANSION TANK - AMTROL MODEL ST-5-C WITH 0.9 GALLONS ACCEPTANCE VOLUME.								
FCO	FLOOR CLEANOUT - JOSAM 55000 SERIES. LINE SIZED.								
FD-1	3" FLOOR DRAIN - JOSAM 30000-A SERIES CAST IRON FLOOR DRAIN WITH 1/2" TRAP PRIMER CONNECTION.								
IMB	ICE MAKER CONNECTION BOX - OATEY MODEL I2K LOW LEAD WITH PLASTIC FACEPLATE AND QUARTER-TURN BRASS BALL VALVE.								
OWS-1	OIL/WATER SEPARATOR - STRIEM OS-100 100 GPM POLYETHYLENE HIGH EFFICIENCY OIL/WATER AND SEDIMENT SEPARTORY WITH 6" INLET AND 6" OUTLET, CERTIFIED FLOW RATE 100 GPM, LIQUID CAPACITY 250 GALLONS, OIL CAPACITY 62.5 GALLONS, & SOLIDS CAPACITY 95 GALLONS. PROVIDE WITH CAST IRON COVERS. REFER TO CIVIL SITE PLAN FOR LOCATION.								
PRV	PRESSURE REDUCING VALVE - 3" WATTS LFN 223 FS WITH FLANGED CONNECTIONS AND STRAINER.								
RCP-1A	RECIRCULATION PUMP - LEAD-FREE BRONZE BODIED SYSTEM LUBRICATED CIRCULATOR. BELL AND GOSSET MODEL NBF-10S/LW, 12.5 FT. HEAD, 2.0 GPM, 52 WATTS, SINGLE- PHASE, 115V, 2800 RPM								
RCP-1B	RECIRCULATION PUMP - LEAD-FREE BRONZE BODIED SYSTEM LUBRICATED CIRCULATOR. BELL AND GOSSET MODEL NBF-10S/LW, 12.5 FT. HEAD, 2.0 GPM, 52 WATTS, SINGLE- PHASE, 115V, 2800 RPM								
RD-1 & OD-1	SPECIAL PURPOSE COMBINATION ROOF DRAIN - JAY R. SMITH MODEL 1851Y ROOF DRAIN AND OVERFLOW DRAIN WITH CAST IRON DOME								
RH-1	FREEZELESS ROOF HYDRANT - WOODFORD MODEL RHY1-1-MS.								
TD-1	TRENCH DRAIN - MIFAB MODEL T-1500, 8" WIDE WITH INTEGRAL STEEL RAIL AND GRATE SYSTEM, EXTRA HEAVY DUTY DUCTILE IRON GRATE AND 6" BOTTOM OUTLET PER PLANS. SLOPE TOWARDS DRAIN OUTLET. INCLUDE CATCH BASIN WITH REMOVEABLE SEDIMENT BUCKET.								
TD-2	TRENCH DRAIN - MIFAB MODEL T-1500, 8" WIDE WITH INTEGRAL STEEL RAIL AND GRATE SYSTEM, EXTRA HEAVY DUTY DUCTILE IRON GRATE AND 4" BOTTOM OUTLET PER PLANS. SLOPE TOWARDS DRAIN OUTLET. INCLUDE CATCH BASIN WITH REMOVEABLE SEDIMENT BUCKET.								
TMV-1A	THERMOSTATIC MIXING VALVE: LEONARD MODEL TM-26-LF WITH 3/4" INLETS AND OUTLET								
TMV-1B	THERMOSTATIC MIXING VALVE: LEONARD MODEL TM-26-LF WITH 3/4" INLETS AND OUTLET								
TMV-2	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.								
WHA-"X"	SHOCK ABSORBER, JOSAM SERIES 75000-S.  MODEL NUMBER 75000-S 75001-S 75002-S 75003-S 75004-S  P.D.I. AA A B C D								







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LYNCHBURG FIR

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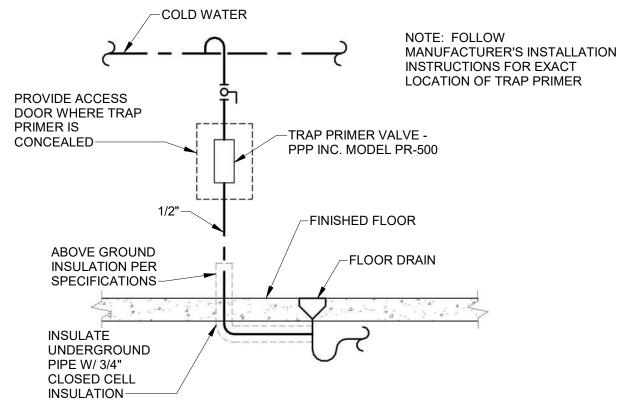
Project Status
CONSTRUCTION
DOCUMENTS

REVISION SCHEDULE

REV. # DESCRIPTION

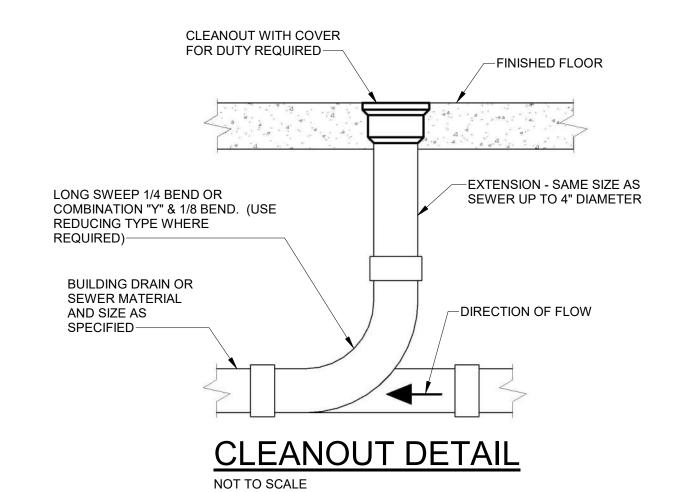
LEGENDS, ABBREVIATIONS, GENERAL NOTES & SCHEDULES

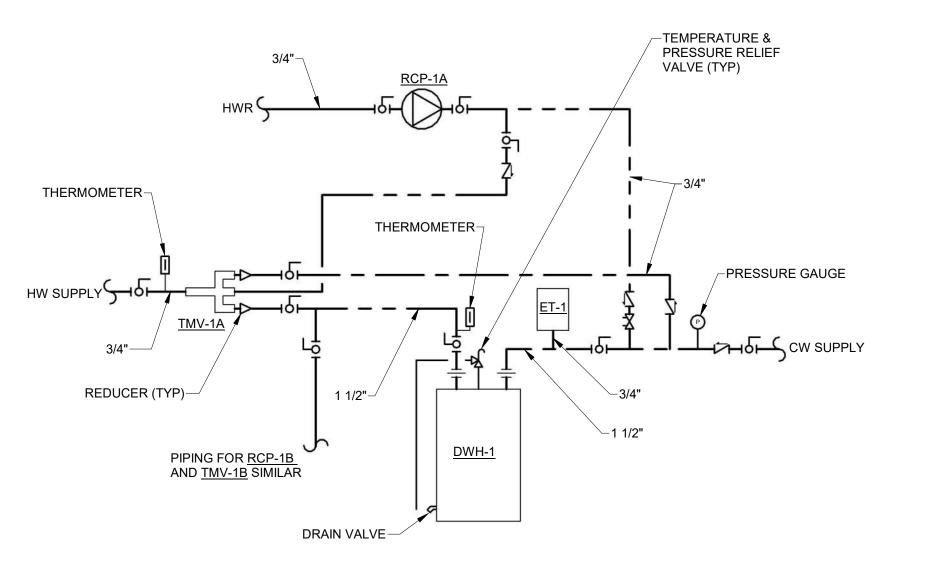
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# TRAP PRIMER DETAIL

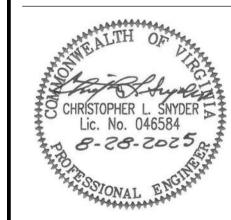
NOT TO SCALE





## DOMESTIC WATER HEATER DETAIL NOT TO SCALE





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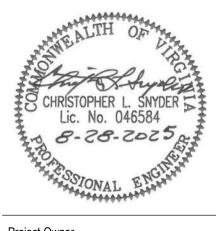
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LIBERTY MOUNTAIN DRIVE

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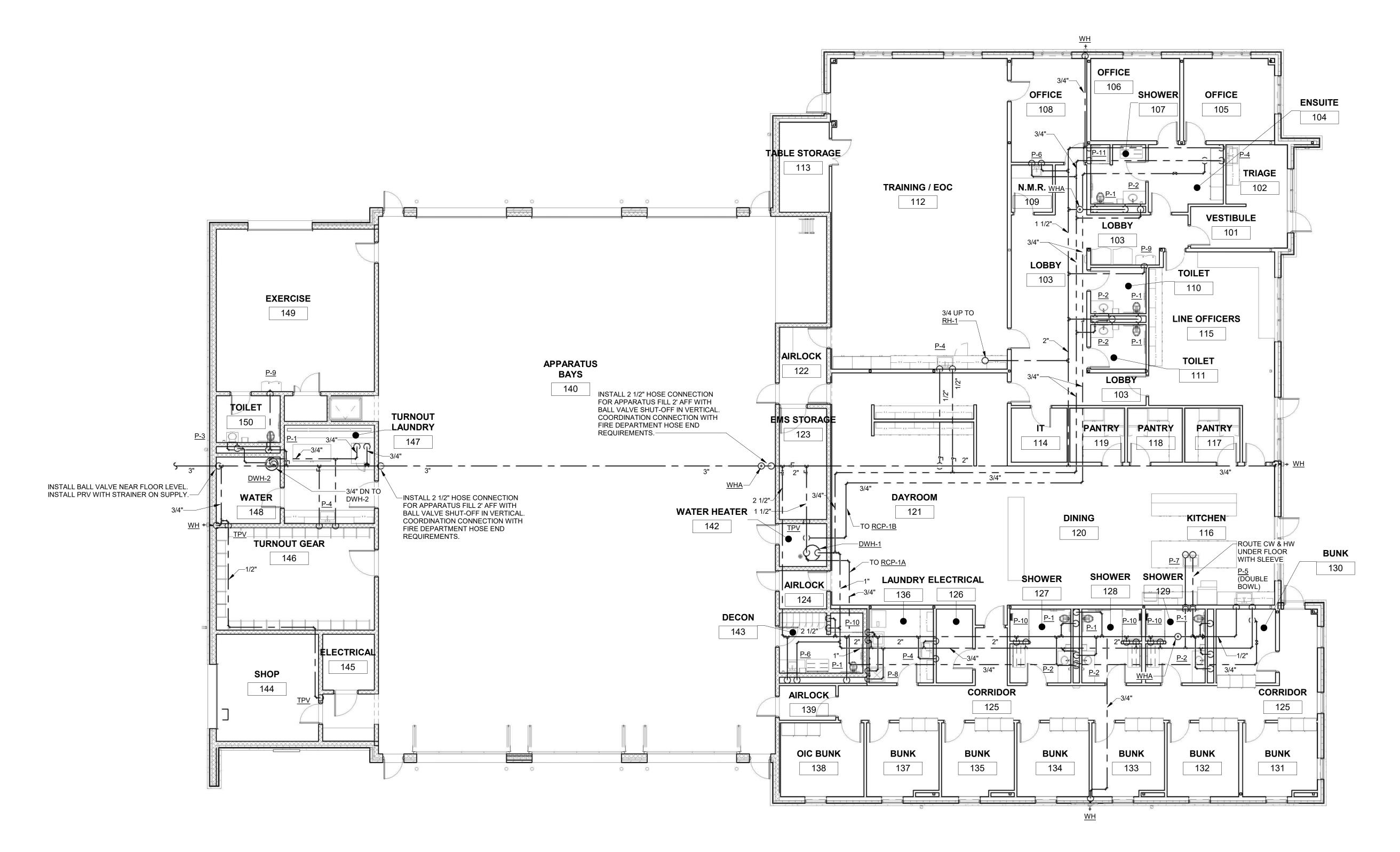
CONSTRUCTION

DOCUMENTS

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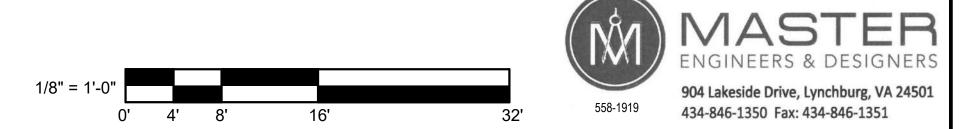
HOT & COLD WATER FIRST FLOOR PLAN

P101



1 HOT & COLD WATER FIRST FLOOR PLAN

P101 / 1/8" = 1'-0"



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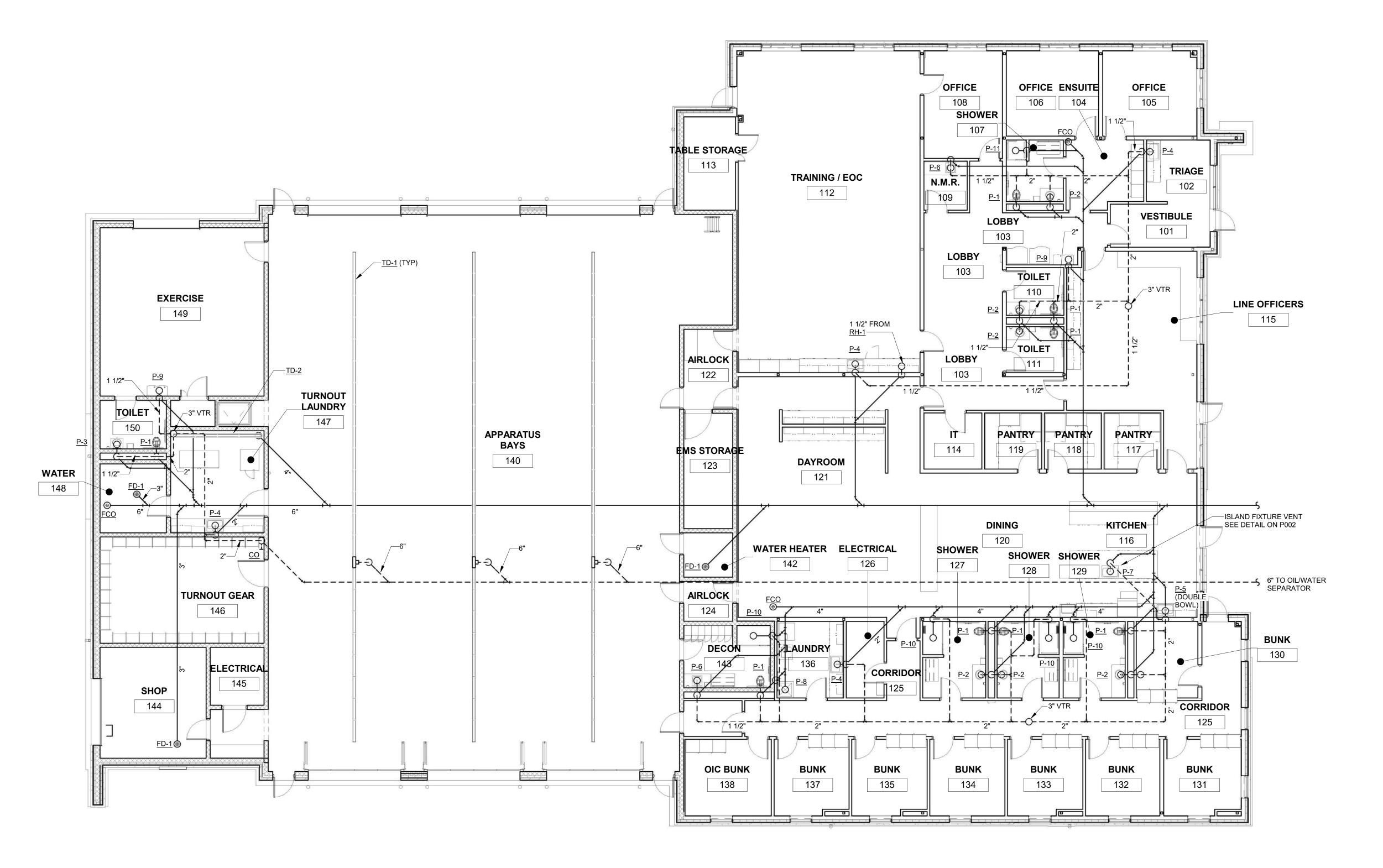
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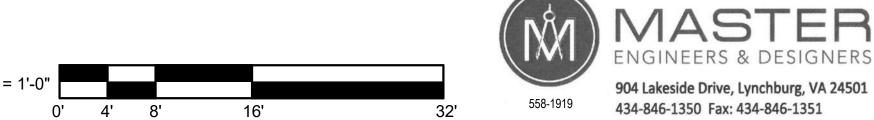
SANITARY & VENT FIRST FLOOR PLAN

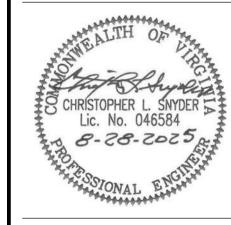
P201



SANITARY & VENT FIRST FLOOR PLAN P201 / 1/8" = 1'-0"







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YNCHBURG FIRE ST

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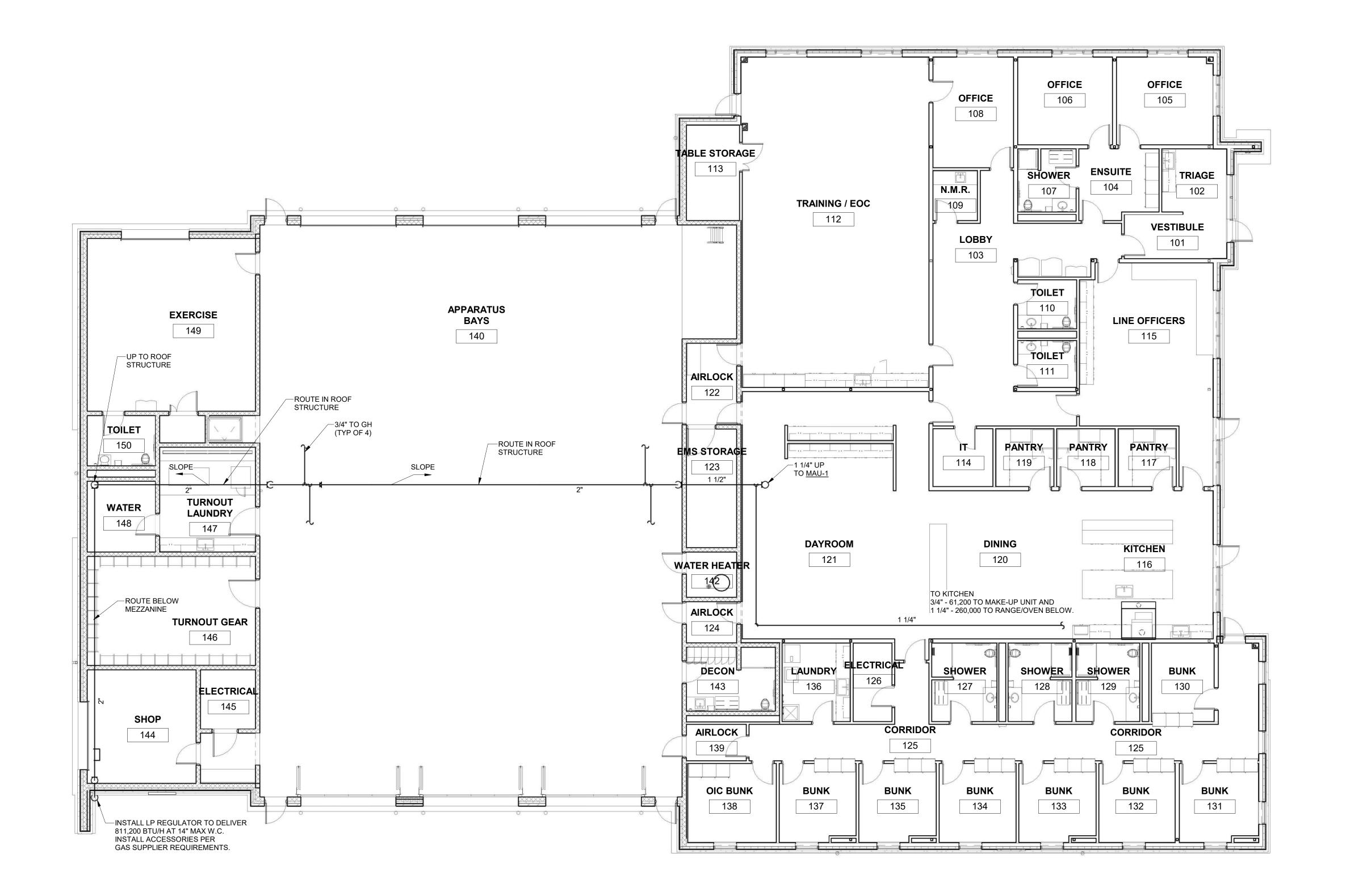
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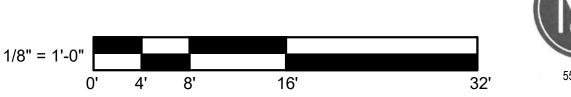
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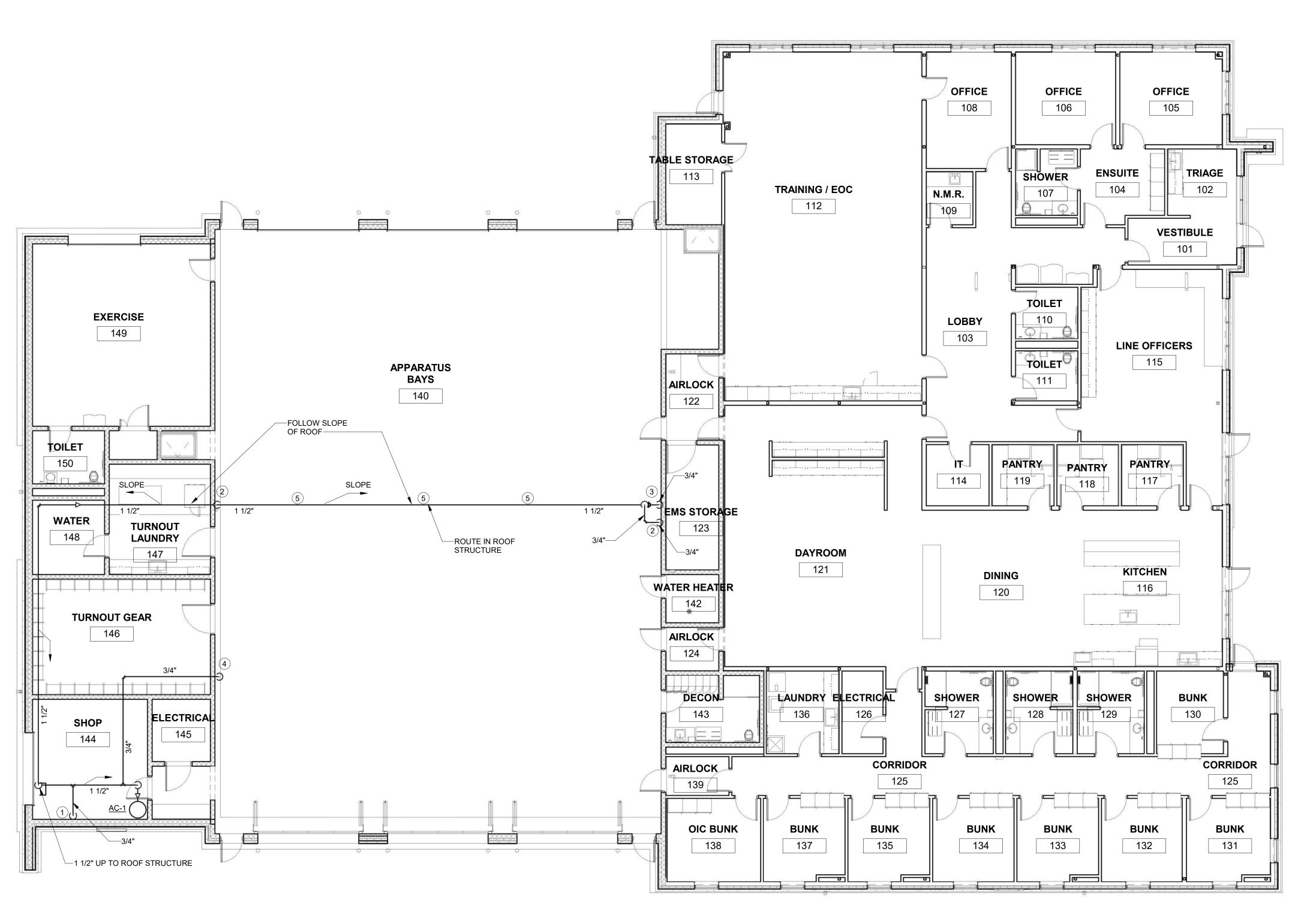
GAS PIPING FIRST FLOOR PLAN









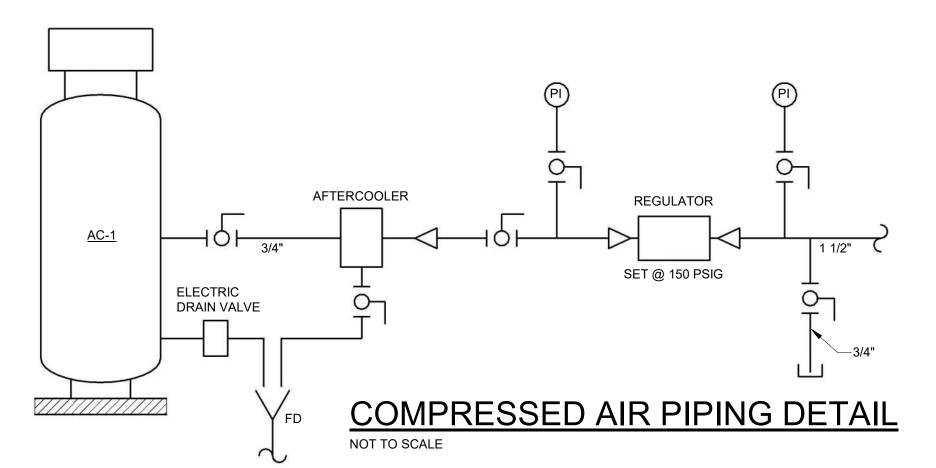




P402 / 1/8" = 1'-0"

### NOTES:

- 1. ROUTE PIPE TO 5' AFF. INSTALL TEE AND CONTINUE 3/4" PIPE TO 2' AFF WITH GLOBE VALVE AND DRAIN. CONNECT 3/4" PIPE TO TEE AND INSTALL REGULATOR WITH PRESSURE GAUGE SET FOR 75 PSIG AND DUPLEX AIR CHUCKS. COORDINATE WITH OWNER FOR STYLE OF AIR CHUCKS.
- 2. CONNECT 3/4" PIPE TO TOP OF 1 1/2" PIPE. ROUTE TO 4' AFF AND INSTALL TEE AND DUPLEX AIR CHUCKS. COORDINATE WITH OWNER FOR STYLE
- 3. REDUCE SIZE OF COMPRESSED AIR MAIN USING ECCENTRIC REDUCER. ROUTE DRAIN TO 2' AFF AND INSTALL GLOBE VALVE.
- 4. ROUTE TO 4' AFF AND INSTALL TEE AND DUPLEX AIR CHUCKS. COORDINATE WITH OWNER FOR STYLE OF AIR CHUCKS.
- 5. INSTALL REDUCING TEE WITH 3/4" BALL VALVE AND CAP.









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DESCRIPTION

COMPRESSED AIR PIPING FIRST FLOOR PLAN

1 STORM FIRST FLOOR PLAN
1/8" = 1'-0"

### **GENERAL NOTES:**

1. ALL STORM PIPING ROUTED THROUGH ABOVE CEILING PLENUM SHALL BE CAST IRON.







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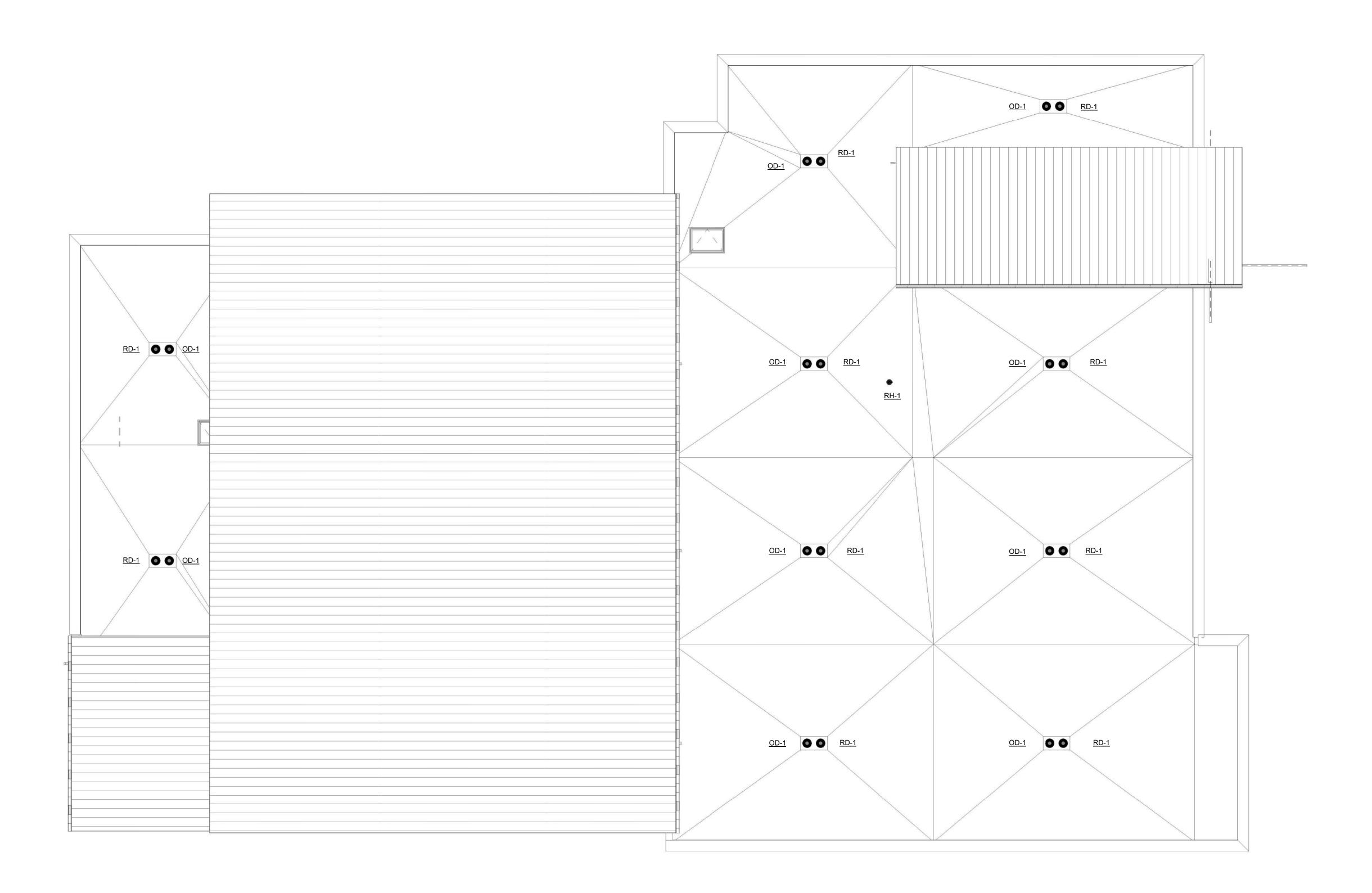
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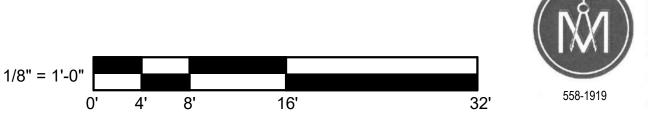
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STORM PIPING FIRST FLOOR PLAN

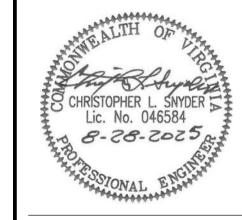












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PLUMBING ROOF PLAN