

PLUMBING NOTES

- FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.
- ALL PLUMBING FIXTURES AND PLUMBING SYSTEM EQUIPMENT SHALL BE PROVIDED COMPLETE WITH ALL ACCESSORIES, HANGERS, VALVES, STOPS, TAILPIECES, TRAPS, FAUCETS, STRAINERS, ETC. SEE FIXTURE SCHEDULE.
- FURNISH AND INSTALL COMPLETE SYSTEMS OF SOIL, WASTE, VENT, HOT AND COLD WATER PIPING FROM ALL PLUMBING FIXTURES, AND/OR OTHER EQUIPMENT.
- CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS. PROVIDE CLEANOUTS AT THE BASE OF ALL WASTE STACKS, AT EVERY FOUR 45 DEGREE TURNS, AND AT EVERY 100 FEET. CLEANOUTS SHALL BE PLACED IN READILY ACCESSIBLE LOCATIONS. NO FLOOR CLEANOUTS INSIDE BUILDING.
- ALL SOIL, WASTE, AND VENT LINES SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION.
- COPPER PIPING SHALL BE PROTECTED AGAINST CONTACT WITH MASONRY OR DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED. WHERE COPPER PIPING IS CARRIED ON IRON TRAPEZE HANGERS WITH OTHER PIPING, SATISFACTORY AND PERMANENT ELECTROLYTIC ISOLATION MATERIAL SHALL PROTECT THE COPPER AGAINST CONTACT WITH OTHER METALS.
- WHERE COPPER PIPING IS SLEEVED THROUGH MASONRY, SLEEVES SHALL BE COPPER OR RED BRASS. WHERE COPPER MUST BE CONCEALED IN A MASONRY PARTITION OR AGAINST MASONRY, CONTACT SHALL BE PREVENTED BY COATING THE COPPER HEAVILY WITH ASPHALTIC ENAMEL AND PROVIDING 15# ASPHALT SATURATED FELT BETWEEN THE PIPE AND MASONRY.
- THE PLUMBING CONTRACTOR SHALL COORDINATE CLOSELY WITH THE MECHANICAL AND THE ELECTRICAL CONTRACTORS TO AVOID CONFLICT WITH OTHER TRADES.
- CEILING AREA HAS LIMITED SPACE. CONTRACTOR MUST COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC. TO PROPERLY BE INSTALLED.
- ALL PIPE INSULATION SHALL RUN CONTINUOUSLY THROUGH FLOORS, WALLS, AND PARTITIONS.
- PROVIDE DRAIN VALVES IN THE HOT AND COLD WATER SYSTEM AT ALL LOW POINTS TO ALLOW FOR COMPLETE DRAINAGE.
- VACUUM BREAKERS SHALL BE PROVIDED FOR ALL FIXTURES TO WHICH HOSES MAY BE ATTACHED. VACUUM BREAKERS SHALL BE PERMANENTLY ATTACHED.
- WASTE/VENT & STORM PIPING SHALL BE AS FOLLOWS:
BELOW SLAB: SOLID WALL PVC PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED FITTINGS.
ABOVE SLAB: SOLID WALL PVC PIPE, PVC SOCKET FITTINGS, AND SOLVENT-CEMENTED FITTINGS. INSULATION IS REQUIRED ON ALL ROOF DRAIN BODIES AND HORIZONTAL RUNS (ABOVE SLAB). INSULATE WITH 7" CLOSED-CELL ELASTOMERIC MATERIAL.
- DOMESTIC WATER PIPING SHALL BE AS FOLLOWS:
ABOVE SLAB: TYPE 'L' COPPER. AT CONTRACTOR'S OPTION, FLOWGUARD GOLD CPVC MAY BE UTILIZED. 1" INSULATION IS REQUIRED ON ALL HOT WATER SUPPLY & RECIRC PIPING PER 2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC).
BELOW SLAB: TYPE 'K' COPPER.
- INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE WASTE PIPING IS INSTALLED SO THAT PROPER SLOPES WILL BE MAINTAINED.
- THE PLUMBING CONTRACTOR SHALL PROVIDE WATER HAMMER PROTECTION ON ALL WATER DISTRIBUTION PIPING WHERE QUICK-CLOSING VALVES ARE UTILIZED. INSTALLATION OF SHOCK ARRESTORS SHALL BE IN ACCORDANCE WITH PDI-WH201. SEE SHOCK ARRESTOR SCHEDULE.
- PROVIDE FULL PORT VALVES IN ALL BRANCH LINES OF THE HOT AND COLD WATER DISTRIBUTION SYSTEM ON 2" AND LARGER CW & HW AND AS SHOWN ON PLANS, RISERS, AND SCHEMATIC DETAILS.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF PLUMBING FIXTURES.
- PROVIDE ACCESS DOORS FOR ALL VALVES AND DEVICES REQUIRING ACCESS WHEN LOCATED IN WALLS OR ABOVE INACCESSIBLE CEILING CONSTRUCTION.
- WHERE EARTHQUAKE LOADS ARE APPLICABLE IN ACCORDANCE WITH THE STATE PLUMBING CODE, PIPING AND EQUIPMENT SUPPORTS SHALL BE DESIGNED AND INSTALLED FOR THE SEISMIC FORCES IN ACCORDANCE WITH THE STATE BUILDING CODE.
- PROVIDE A U.L. LISTED ASSEMBLY FOR ALL PENETRATIONS THRU FIRE RATED WALLS AND FLOORS.
- PROVIDE PRESSURE REDUCING VALVE IF PRESSURE EXCEEDS 80 PSI.
- ALL SUSPENDED MATERIALS AND EQUIPMENT SHALL BE INDIVIDUALLY SUPPORTED FROM THE BUILDING STRUCTURE. DO NOT SUSPEND ITEMS FROM THE CEILING OR ITS SUPPORT SYSTEM.

PLUMBING LEGEND

	SANITARY SEWER PIPING
	OIL SANITARY SEWER PIPING
	VENT PIPING
	DOMESTIC COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	GAS PIPING
	PIPE RISE OR DROP
	PIPE RISER UP
	TRENCH DRAIN
	BALANCING VALVE
	CAPPED END OF PIPE
	CLEAN OUT
	P-TRAP
	SHUT-OFF VALVE
	CLEAN OUT TO GRADE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	VENT THRU ROOF
	GATE VALVE
	CHECK VALVE
	BALANCING VALVE
	GAS COCK
	WATER HAMMER ARRESTER
	FLOOR DRAIN
	FILTERED WATER
	BACKFLOW PREVENTOR
	INDIRECT WASTE
	FLOOR SINK
	THERMOSTATIC MIXING VALVE

SCOPE OF WORK

PROVIDE ALL PLUMBING FOR NEW CARPENTRY AREA INCLUDING ALL WATER, GAS, COMPRESSED AIR, OIL & SANITARY LINES AND CONNECT TO EXISTING UTILITIES. PROVIDE NEW ONE TANKLESS AND ONE STORAGE WATER HEATER.
COORDINATE WITH GC AND MECHANICAL CONTRACTOR FOR ANY REQUIRED CONDENSATE LINES AND GAS FLUE FOR WATER HEATER.

FIXTURE BRANCH SCHEDULES

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
4" WATER CLOSET (TANK)	1"	4"	4"	2"
2" LAVATORY	1/2"	1/2"	2"	1 1/2"-2"
3" KITCHEN SINK	3/4"	3/4"	4"	1 1/2"-2"
FLOOR DRAIN/FLOOR SINK/TRENCH DRAIN	--	--	3"-4"	1 1/2"-2"
HAND SINK	1/2"	1/2"	2"	1 1/2"-2"

ENERGY CONSERVATION NOTES

- AS PER 2018 INTERNATIONAL ENERGY CONSERVATION CODE SECTION C404.4 PIPING FROM A WATER HEATER TO THE TERMINATION OF HEATED WATER FIXTURE SUPPLY PIPE SHALL BE INSULATED IN ACCORDANCE WITH TABLE C404.2 TO OF MINIMUM PIPE INSULATION THICKNESS.
- HOT WATER SYSTEM PIPING IS DESIGNED AS PER MAXIMUM ALLOWED PIPE LENGTH METHOD AS PER 2018 INTERNATIONAL ENERGY CONSERVATION CODE, C404.5.1. THE HOT WATER VOLUME FROM THE NEAREST SOURCE OF HEATED WATER TO THE TERMINATION OF THE FIXTURE SUPPLY PIPE SHALL BE AS PER MAXIMUM PIPING LENGTH TABLE.
- AS PER 2018 INTERNATIONAL ENERGY CONSERVATION CODE, WATER HEATING EQUIPMENT AND HOT WATER STORAGE TANKS SHALL MEET THE REQUIREMENTS OF TABLE C404.2. THE EFFICIENCY SHALL BE VERIFIED THROUGH THE DATA FURNISHED BY THE MANUFACTURER.
- AS PER 2018 INTERNATIONAL ENERGY CONSERVATION CODE, C404.6.1, CONTROLS FOR CIRCULATING HOT WATER SYSTEM PUMPS SHALL START THE PUMP BASED ON THE IDENTIFICATION OF A DEMAND FOR HOT WATER WITHIN THE OCCUPANCY. THE CONTROLS SHALL AUTOMATICALLY TURN OFF THE PUMP WHEN THE WATER IN THE CIRCULATION LOOP IS AT THE DESIRED TEMPERATURE AND WHEN THERE IS NOT DEMAND FOR HOT WATER.
- AS PER 2018 INTERNATIONAL ENERGY CONSERVATION CODE, C404.7, THE CONTROLS SHALL LIMIT THE TEMPERATURE OF THE WATER ENTERING THE COLD-WATER PIPING TO NOT GREATER THAN 104°F (40°C).

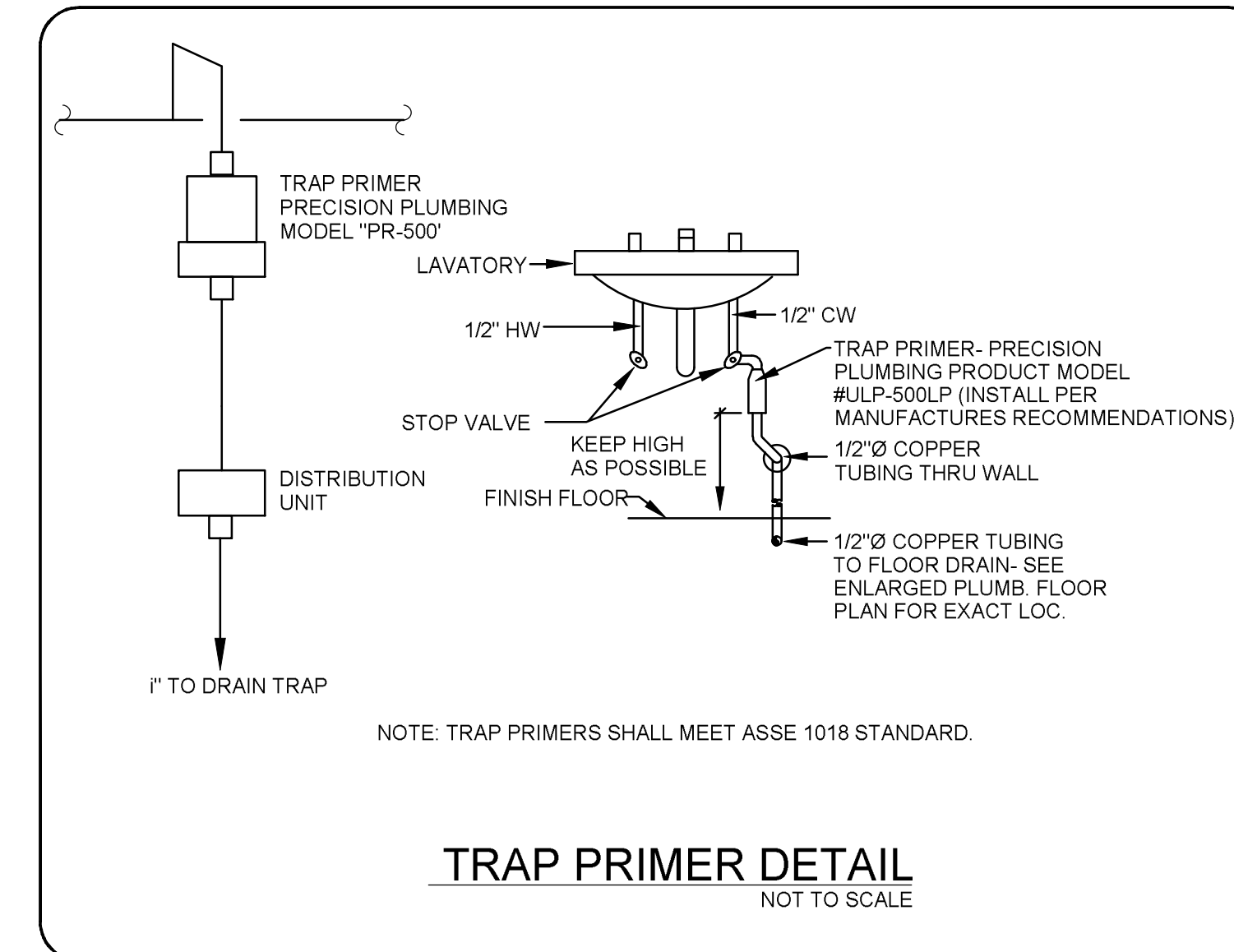
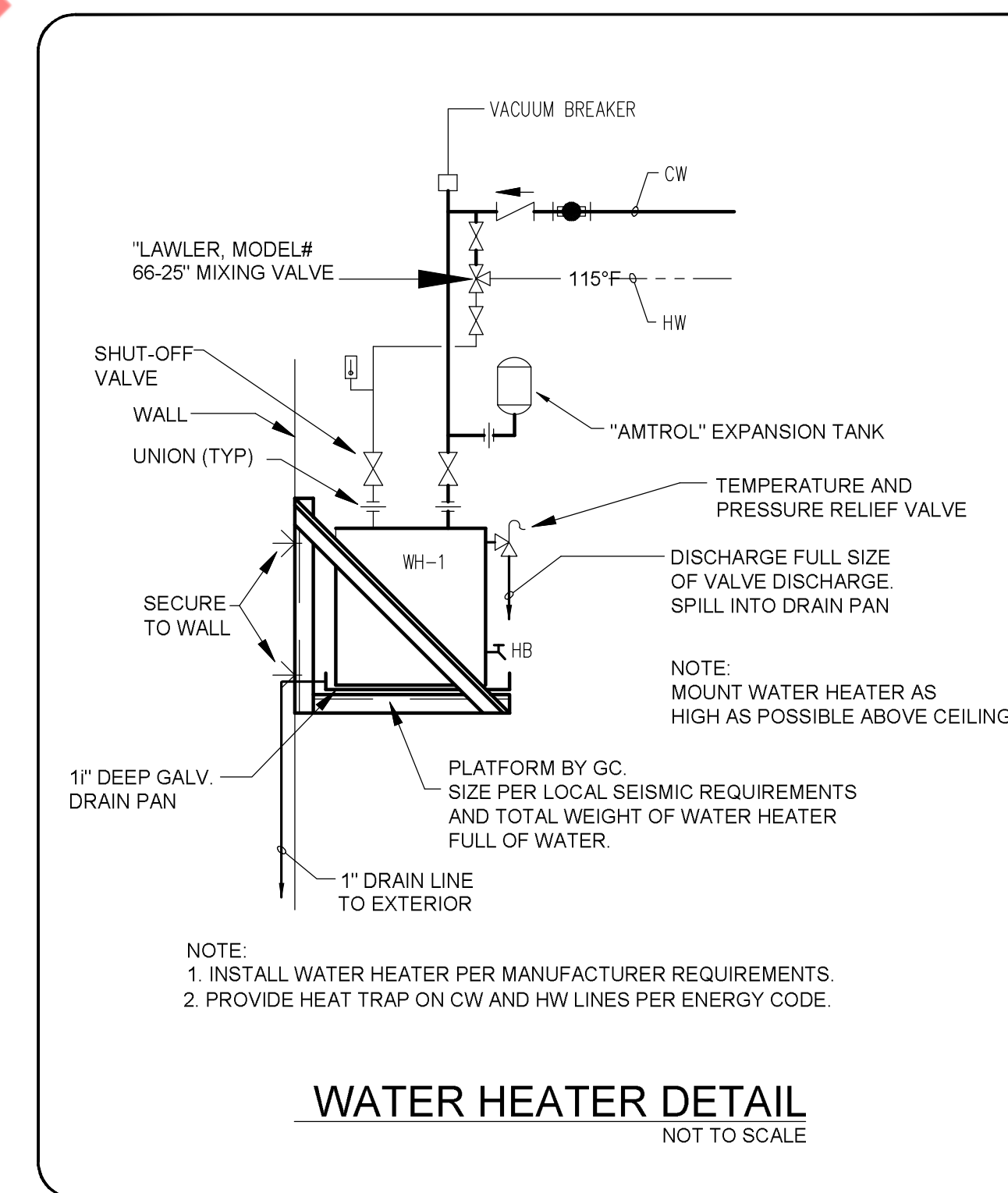
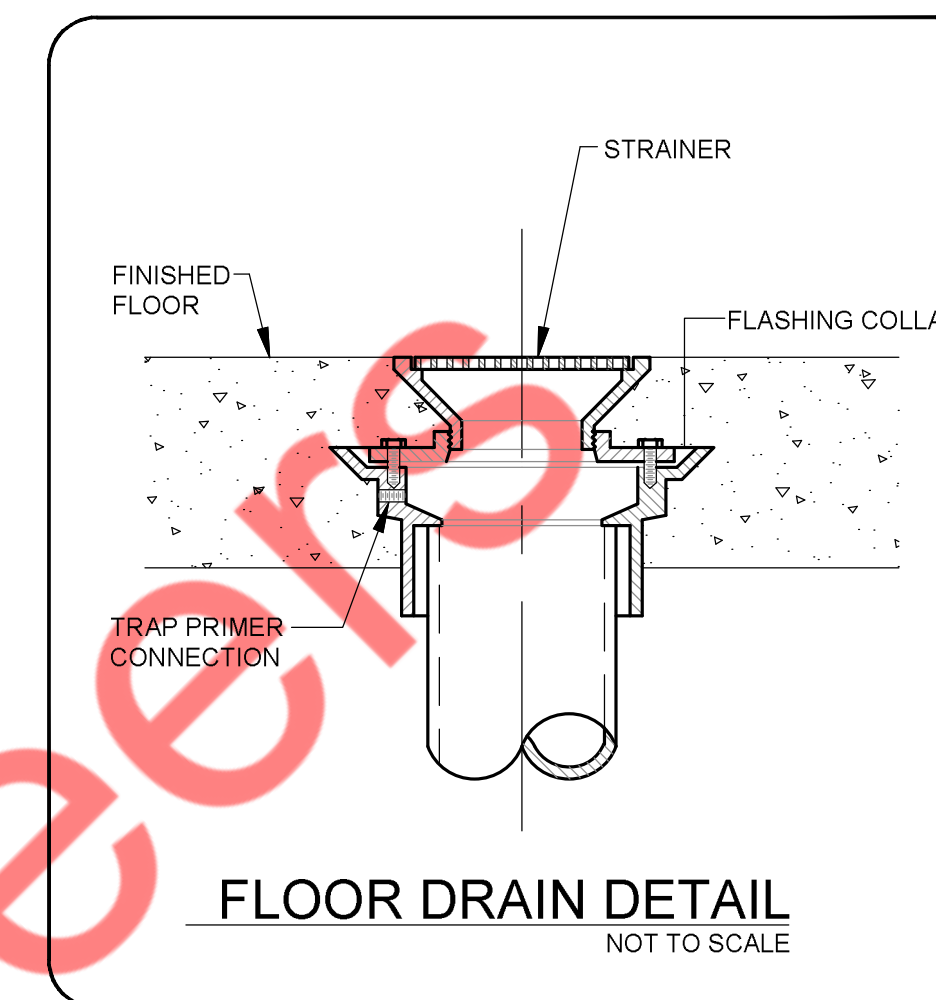
GAS PIPING NOTES

- WORK TO INCLUDE PIPING FROM GAS METER TO ALL GAS FIRED EQUIPMENT. FINAL CONNECTION TO EQUIPMENT BY PLUMBING CONTRACTOR. PLUMBING CONTRACTOR TO PROVIDE SHUT-OFF VALVE, DIRT TRAP, AND PRESSURE STEP-DOWN REGULATOR AT EACH PIECE OF EQUIPMENT.
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL CODE REQUIREMENTS AND THE PROVISIONS OF NFPA-54.
- THE CONTRACTOR SHALL SUPPLY ALL PERMITS AND LICENSES REQUIRED FOR THE WORK AND FOR ALL INSPECTIONS REQUIRED.
- PIPE 2" AND SMALLER SHALL BE SCHEDULE 40 STEEL WITH THREADED MALLEABLE FITTINGS.
- VALVES SHALL BE GAS COCKS MANUFACTURED BY NIBCO.
- ALL GAS PIPING LOCATED UNDER THE FLOOR SLABS SHALL BE INSTALLED IN CONDUIT OR AS REQUIRED BY CODE.
- ALL PIPING EXPOSED TO THE OUTDOORS OR RUN IN UNCONDITIONED SPACES SHALL BE PAINTED WITH TWO COATS OF ENAMEL.

SHOCK ARRESTOR SCHEDULE

P.D.I. SIZE	FIXTURE UNITS	MANUFACTURE OR EQUAL
SATA	1-11	ZURN, SMITH, PPI, SIOUX-CHIEF
SAB	11-32	-

LOCATE SHOCK ARRESTORS IN AN ACCESSIBLE LOCATION, OR PROVIDE SIOUX-CHIEF SHOCK ARRESTORS ONLY.
PROVIDE SHOCK ARRESTORS AS INDICATED PER SCHEDULE.
SHOCK ARRESTORS SHALL BE SAME SIZE AS PIPE INSTALLED ON, MINIMUM.



PLUMBING PLAN KEY NOTE

EXTEND AND CONNECT NEW 4" SANITARY PIPE TO EXISTING SANITARY PIPE. CONTRACTOR TO VERIFY SIZE AND LOCATION IN FIELD.

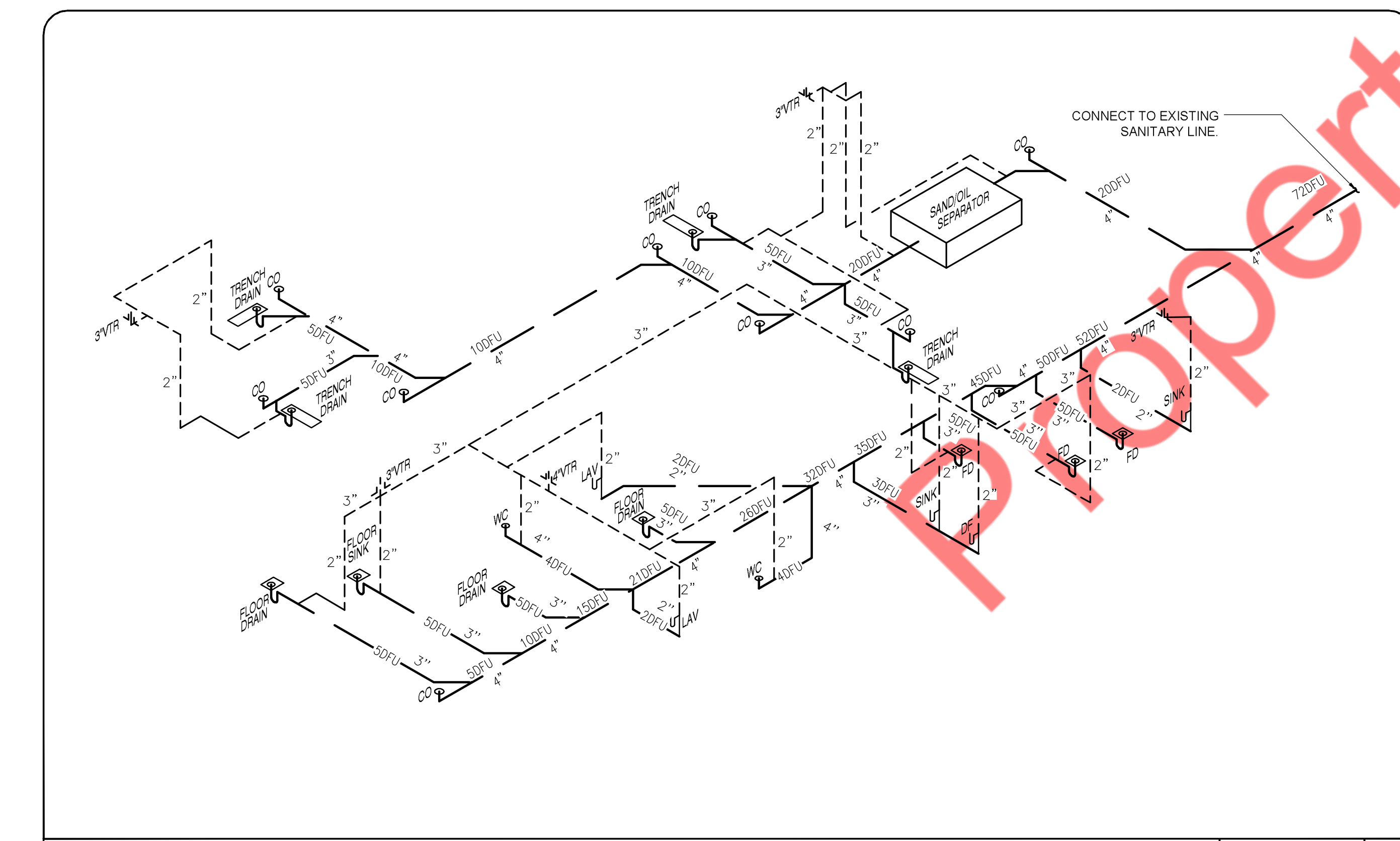
PLUMBING FIXTURE SPECIFICATIONS AND CONNECTION SCHEDULE

NO.	DESCRIPTION	TYPE	MANUFACTURER	MODEL	FINISH	COMPLIANCE	GRID	HEIGHT	WALL	CONNECTION	REMARKS				
C-2	WATER CLOSET	FLUSH TANK	AMERICAN STANDARD	2467 016	VITREOUS CHINA	ADA ELONGATED	-	-	-	-	McQUIRE 165	3" 2" 1" - FLOOR	PROVIDE WITH OPEN FRONT SEAT WITH NO LID		
C-1	LAVATORY	WALL HUNG	AMERICAN STANDARD	0124 024	VITREOUS CHINA	ADA COMPLIANT	CHICAGO 802-V317CP	CENTERSET	SENSOR 10YR BAT	4"	GRID	1"	McQUIRE 175 WITH FW2125	2" 2" 1/2" 1/2" WALL HUNG	PROVIDE WITH MIXING VALVE SET @ 80°F.
E5	EMERGENCY EYEWASH	WALL HUNG	GLOBAL STANDARD	T9F708381	-	-	-	-	-	-	1"	-	2" 2" 1/2" - WALL HUNG		
HB-1	HOSE BIBB	ANTI-SIPHON	CHICAGO	952-CP	CAST BRASS	WALL FAUCET	-	-	-	-	-	-	-	1/2" MALE HOSE THREADED OUTLET	
HB-2	HOSE BIBB	ANTI-SIPHON	CHICAGO	V122	CAST BRASS	WALL FAUCET	-	-	-	-	-	-	3/4" - WALL	3/4" MALE HOSE THREADED OUTLET	
HB-3	HOSE BIBB	FREEZE PROOF	CHICAGO	Z1320-C	CAST BRASS	RECESSED BOX	-	-	-	-	-	-	3/4" - WALL	3/4" MALE HOSE THREADED OUTLET	
FD-1	FLOOR DRAIN	SQUARE TOP	J.R. SMITH	2010CA-NB	CAST IRON	NIKALOY TOP	-	-	-	-	-	-	-	FLOOR	PROVIDE WITH TRAP PRIMER
CO	FLOOR CLEAN-OUT	ROUND TOP	J.R. SMITH	4020	CAST IRON	CAST IRON TOP	-	-	-	-	-	-	-	GRADE	
TD	TRENCH DRAIN	SQUARE TOP	J.R. SMITH	9878	POLYMER CONCRETE/DUCTILE IRON	-	-	-	-	-	-	4"	-	FLOOR	PRE-SLOPED POLYMER CONCRETE TRENCH DRAIN W/ DUCTILE IRON "POWERLOK ADA" GRATE
D-1	KITCHEN SINK AND FAUCET	WALL HUNG	REGENCY	600D12812	STAINLESS STEEL	-	-	-	-	-	-	2" 2" 1/2" 1/2"	WALL HUNG	MOUNT AT ADA HEIGHT. PROVIDE WITH POINT OF USE MIXING VALVE & 0.5 GPM AERATOR	
E6	HAND SINK	WALL HUNG	AMERICAN STANDARD	0124 024	VITREOUS CHINA	ADA COMPLIANT	-	-	-	-	-	2" 2" 1/2" 1/2"	WALL HUNG	PROVIDE WITH MIXING VALVE SET @ 80°F.	
E7	DRINKING FOUNTAIN	WALL HUNG	ELKAY	EZSTL8LC	-	-	-	-	-	-	-	2" 2" 1/2" 1/2"	WALL HUNG		
	THERMOSTAT MIXING VALVE	-	WATTS	LFMMV	-	-	-	-	-	-	-	-	1/2" 1/2"		

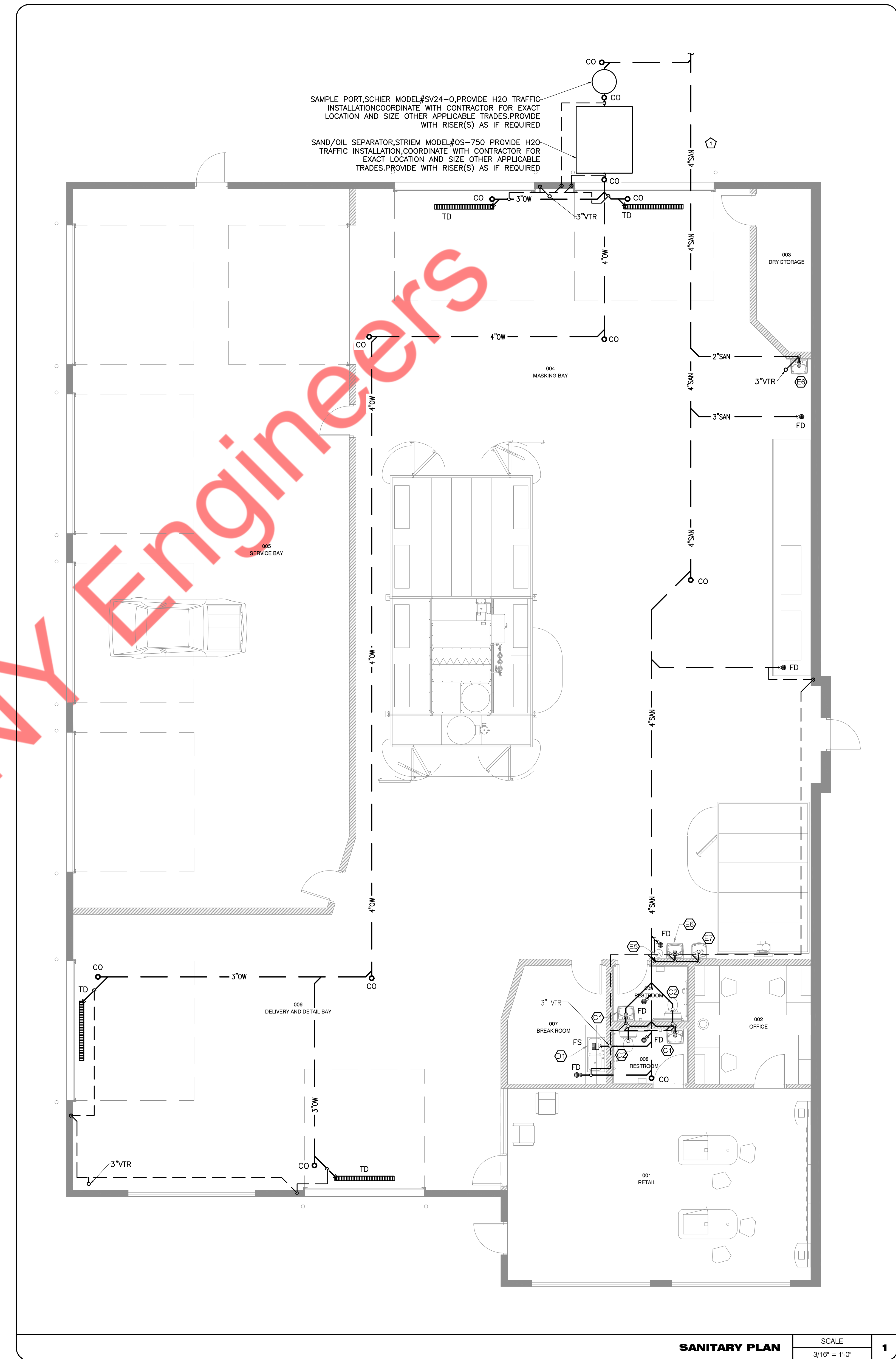
* SEE SPECIFICATIONS

NOTES & REMARKS:

- COLOR OF FIXTURES SHALL BE WHITE, UNLESS NOTED OTHERWISE.
- ALL SINKS AND LAVATORIES SHALL HAVE MINIMUM 1" GAUGE TRAPS, WITH CLEAN OUT PLUGS AND WALL ESCUTCHEONS, CHROME PLATED, OFFSET TRAP ON DRAIN LINE. TAILPIECE WITH STRAINER, HAND-SHIELD VINYL COVERED PIPE INSULATION WITH HOOD OVER NEW DRAIN LINE AND HOT AND COLD WATER LINES.
- ALL FIXTURES SHALL HAVE INDIVIDUAL WALL SUPPLY STOPS, LOOSE KEY OPERATED, WITH WALL ESCUTCHEONS, CHROME PLATED.
- TOILET SEATS: ELONGATED WITH OPEN FRONT AND CONTAINING ANTI-MICROBIAL AGENT, BEMIS MODEL #3155CCT.
- WATER COOLERS FURNISHED WITH INTEGRAL VOLUME REGULATORS, HANGERS, WALL MOUNTING PLATE AND 5 YEAR WARRANTY.
- LAVATORIES L-1 AND L-2 SHALL BE PROVIDED WITH A VANDAL RESISTANT 0.5 GPM AERATOR - CHICAGO FAUCET MODEL E2805JKCP.
- ALL TOILET FLUSH CONTROLS SHALL BE PROVIDED ON THE WIDE SIDE OF THE FIXTURE, (AWAY FROM WALL).
- PROVIDE WALL MOUNTED SERVICE FAUCET, MOP HANGER BRACKET AND STAINLESS STEEL STRAINER AT MS-1 LOCATION.
- ALL FIXTURES SHALL BE SUBMITTED AND APPROVED BY ENGINEER.
- PROVIDE 4" DEEP-SEAL TRAP FOR ALL FLOOR DRAINS.



SANITARY RISER SCALE N.T.S. **2**



SANITARY PLAN SCALE 3/16" = 1'-0" **1**

PLUMBING PLAN KEY NOTE

EXTEND AND CONNECT NEW 1-1/2" CW PIPE TO MAIN PIPE. CONTRACTOR TO VERIFY SIZE AND LOCATION IN FIELD.

NATURAL GAS PIPING SYSTEM
 PROVIDE A COMPLETE GAS PIPING SYSTEM TO SERVE GAS EQUIPMENT FURNISHED BY OTHERS. AS NOTED ON THE DRAWINGS PROVIDE EITHER THREADED STEEL OR MALLEABLE IRON PIPE WITH MALLEABLE FITTINGS OR WELDED STEEL. PROVIDE ALL UNIONS, SHUT-OFF VALVES AND DIRT LEGS REQUIRED BY NFPA 54 AND GOVERNING LOCAL CODES AND AT EACH GAS APPLIANCE CONNECTION. PROVIDE ALL TESTS, METERS, INSPECTIONS, HANGERS AND EQUIPMENT CONNECTIONS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM.

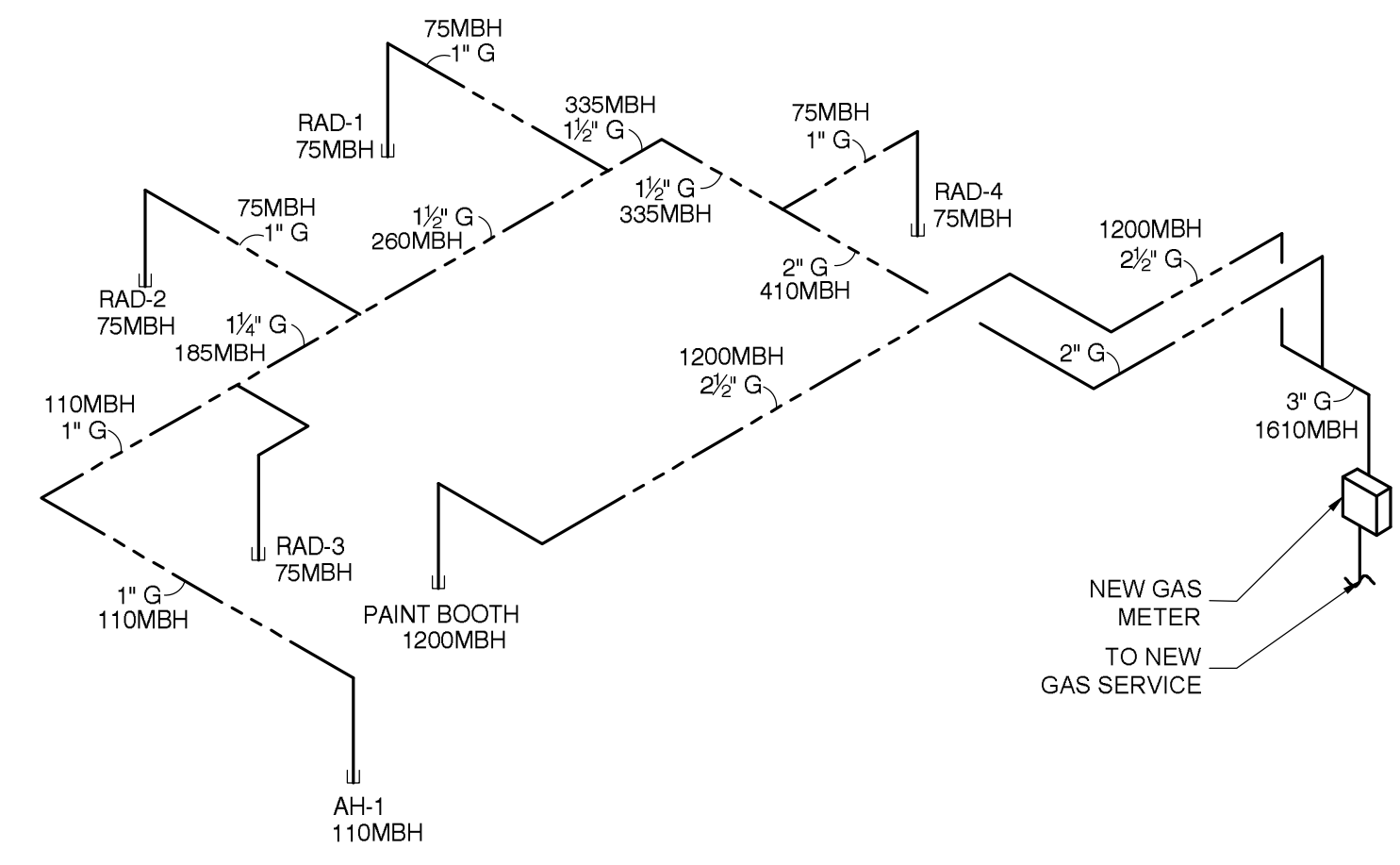
QTY	DESCRIPTION	MBH
1	RAD-1	75
1	RAD-2	75
1	RAD-3	75
1	RAD-4	75
1	AH-1	110
1	PAINT BOOTH	1,200
	TOTAL LOAD	1,610

GAS PIPE SIZING PER TABLE 402.4(2) - INTERNATIONAL FUEL GAS CODE (2018 IFGC)

EQUIVALENT LENGTH OF PIPE FOR RADIATORS AND AH-1
 $14 + 10 + 17 + 21 + 15 = 157$
 + FITTINGS (+40%) = 220 FEET
EQUIVALENT LENGTH OF PIPE FOR PAINT BOOTH
 $9 + 30 + 15 + 20 + 15 = 89$
 + FITTINGS (+40%) = 125 FEET

NOTES

1. GAS PIPING TO BE SCHEDULE 40 STEEL PIPE W/25 CAST IRON SCREWED FITTINGS
2. GAS SYSTEM TO BE INSTALLED BY QUALIFIED LICENSED CONTRACTOR
3. VERIFY ALL EQUIPMENT BTUS PRIOR TO INSTALLATION. ADJUST PIPE SIZE ACCORDING TO INTERNATIONAL FUEL GAS CODE (2018 IFGC), TABLE 402.4(2)
4. VERIFY AND PROVIDE PRESSURE REGULATOR FOR WATER HEATER



GAS RISER SCALE: N.T.S. **3**

RECIRCULATION PUMP SCHEDULE

MANUFACTURER & MODEL	GRUNDFOS UP 15-35 SUC TLC
EQUIPMENT TAG	CP-1
STATUS	NEW
GPM	2
WATER TEMP (°F)	140
PUMP TYPE	INLINE
MHP	86 WATTS
V/PHHZ	115/1/60
RPM	2800
SERVICE FACTOR	1.0

WATER HEATER SCHEDULE

MANUFACTURER	AO SMITH
MODEL	DEL-30
EQUIPMENT TAG	WH-1
STATUS	NEW
CAPACITY	30 GAL.
FUEL	ELECTRIC
FLOW RATE	30 GPM*
ENERGY FACTOR	0.96
KW	8
VOLTAGE	208/1/60
AMPERAGE	38.4
WEIGHT (EMPTY)	45.4 LBS.

* @ 100° F TEMPERATURE RISE

WATER HEATER SCHEDULE

MANUFACTURER	EEMAX
MODEL	SP35
EQUIPMENT TAG	WH-2
STATUS	NEW
CAPACITY	TANKLESS
FUEL	ELECTRIC
FLOW RATE	0.5 GPM*
ENERGY FACTOR	0.99
KW	3.5
VOLTAGE	208/1/60
AMPERAGE	14.6

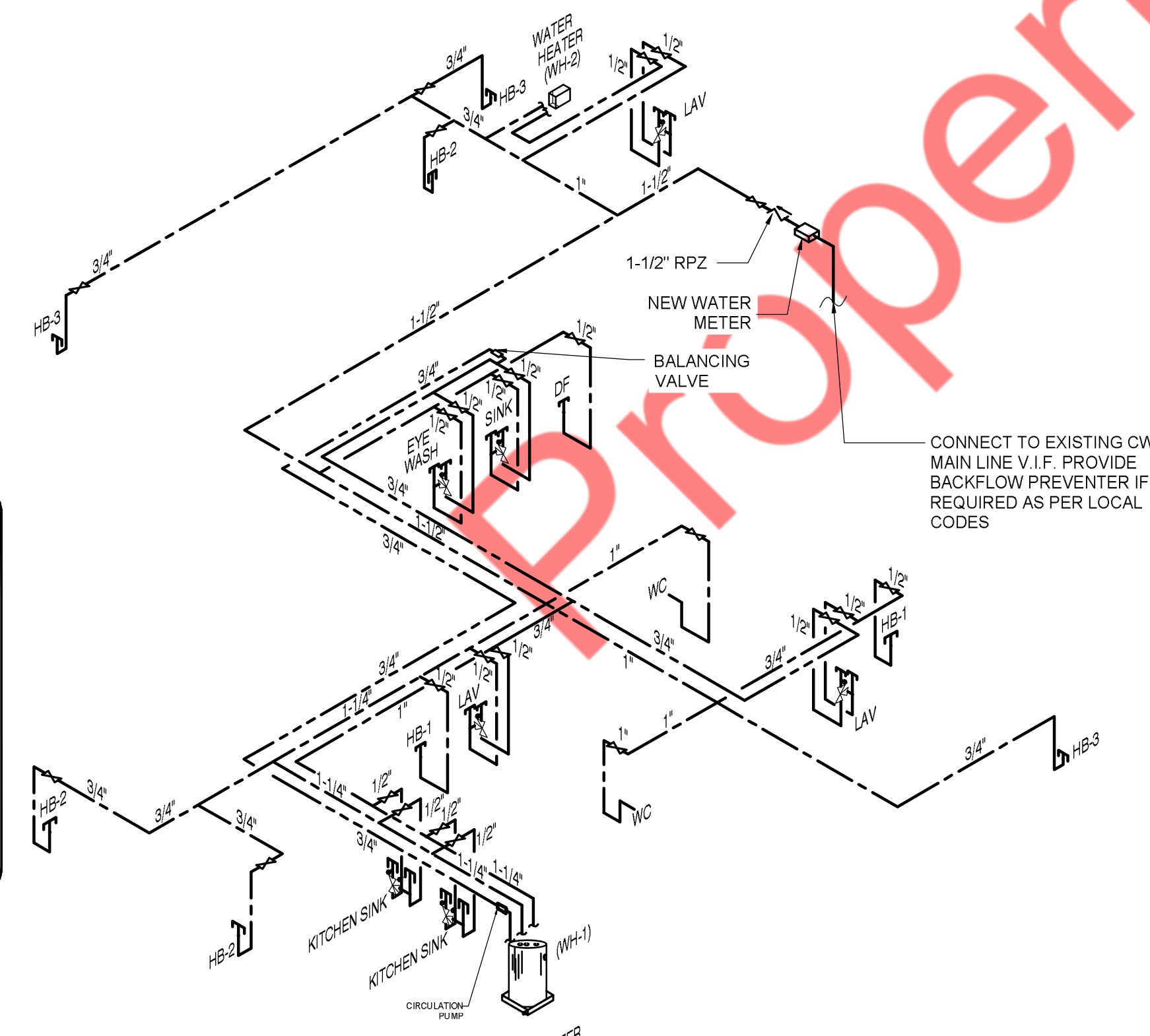
* @ 48° F TEMPERATURE RISE

FIXTURE FACTOR VALUE *

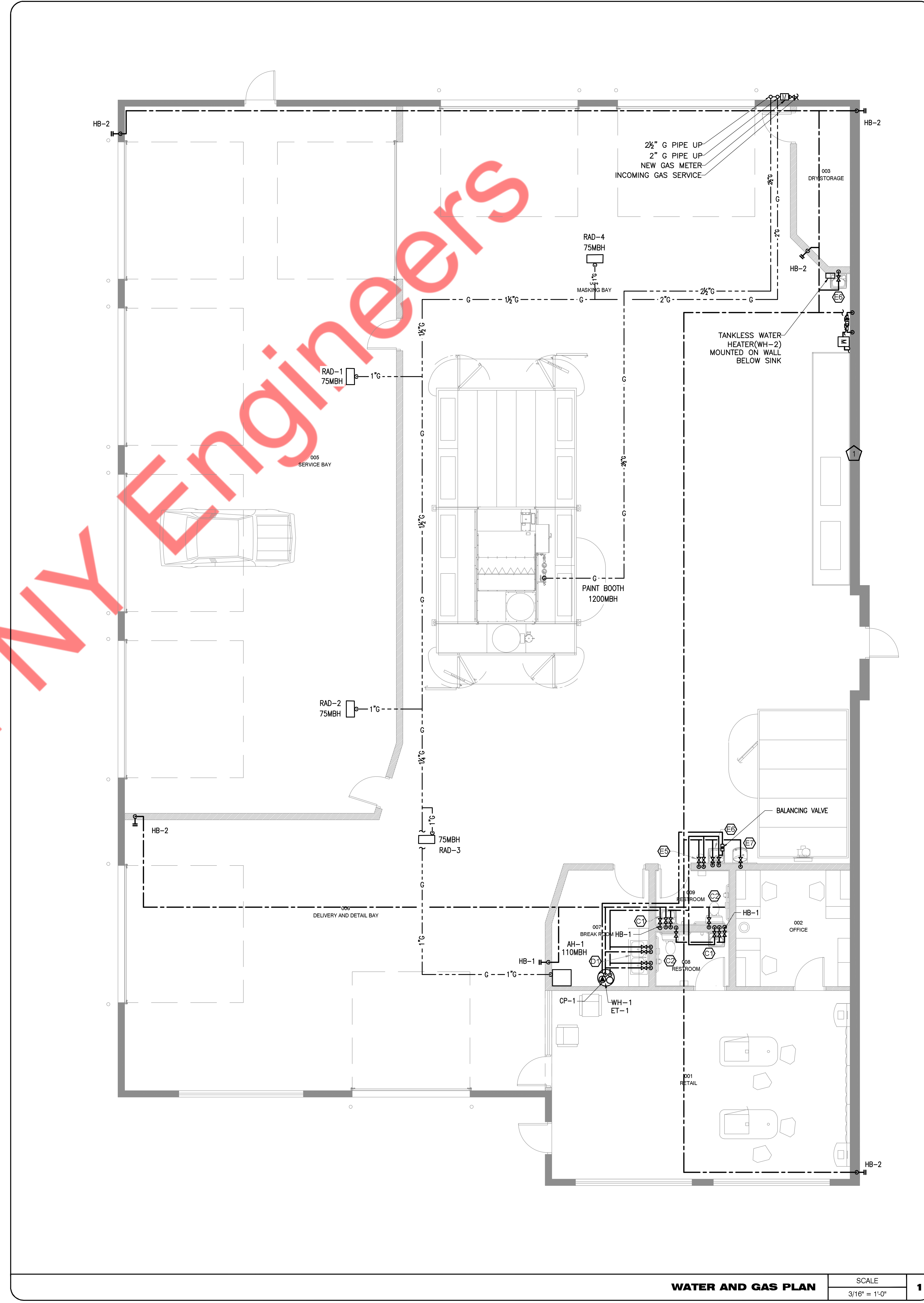
2 WATER CLOSETS @ 10	= 20
2 LAVATORIES (N) @ 2	= 4
2 HAND SINKS (N) @ 2	= 4
2 PREP SINK @ 3	= 6
1 DF @ 0.25	= 0.25
1 EYE WASH @ 2	= 2
8 HOSE BIB MIXER @ 2	= 16
TOTAL	= 52.25

* PER TABLE E103.3(2) IN 2018 INTERNATIONAL PLUMBING CODE

PER TABLE E103.3(2) IN 2018 INTERNATIONAL PLUMBING CODE MIN. 1-1/2" Ø WATER METER AND MIN. 1-1/2" Ø LINE REQUIRED. VERIFY METER SIZE UPGRADE IF NECESSARY.



WATER RISER SCALE: N.T.S. **2**



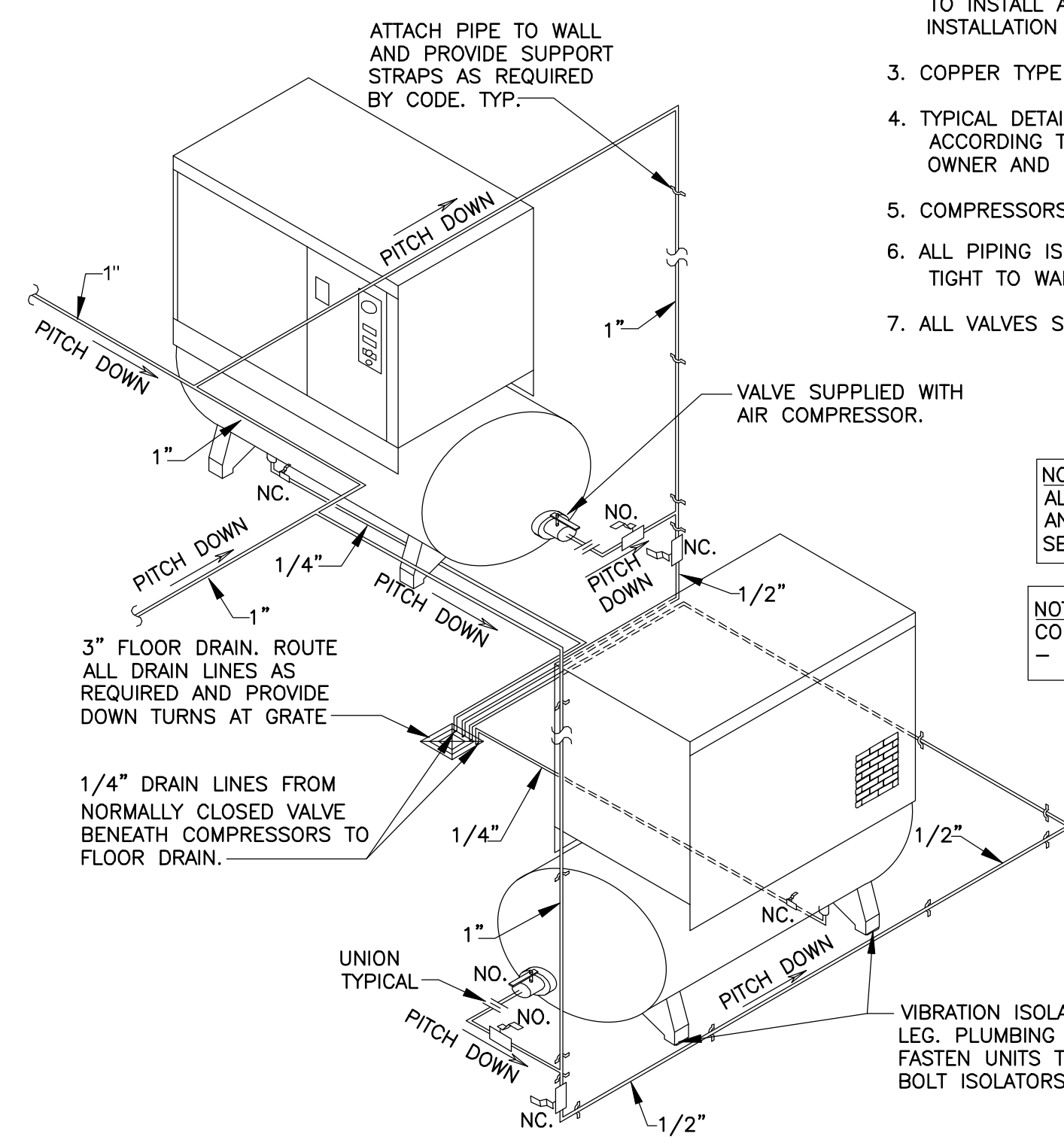
WATER AND GAS PLAN SCALE: 3/16" = 1'-0" **1**

COMPRESSED AIR PIPING NOTES

1. PROVIDE SHUTOFF VALVES IN EACH BRANCH USING BALL VALVES. REFER TO AIR SUPPLY DIAGRAMS THIS SHEET FOR MOUNTING HEIGHT.
2. PITCH PIPING BACK TO AIR COMPRESSOR. TAP ALL BRANCH PIPING TAKE-OFFS FROM TOP OF MAIN.
3. ALL EQUIPMENT, MATERIAL AND LABOR NECESSARY FOR COMPLETION OF COMPRESSED AIR SYSTEM SHOWN ON DRAWINGS TO BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS NOTED OTHERWISE.
4. WHERE DRAWINGS EXCEED GOVERNING CODE REQUIREMENTS, DESIGN SHALL GOVERN. INSTALL NO WORK CONTRARY TO OR BELOW MINIMUM LEGAL STANDARDS, WHETHER DRAWINGS FULLY COMPLY OR NOT.
5. ALL AIR LINES SHALL BE PROPERLY CLEANED AND BLOWN OUT PRIOR TO CONNECTING TO ANY OF THE EQUIPMENT SHOWN ON THIS SHEET.
6. COPPER "TYPE L" PIPING SHALL BE USED.
7. COMPRESSED AIR EQUIPMENT (AND RELATED PIPING) SHOWN ON PLANS IS FOR REFERENCE ONLY. SEE COMPRESSED AIR EQUIPMENT PROVIDER/CONSULTANT FOR FINAL EQUIPMENT (AND RELATED PIPING) SELECTION AND SIZES.

AIR PIPING DETAIL NOTES:

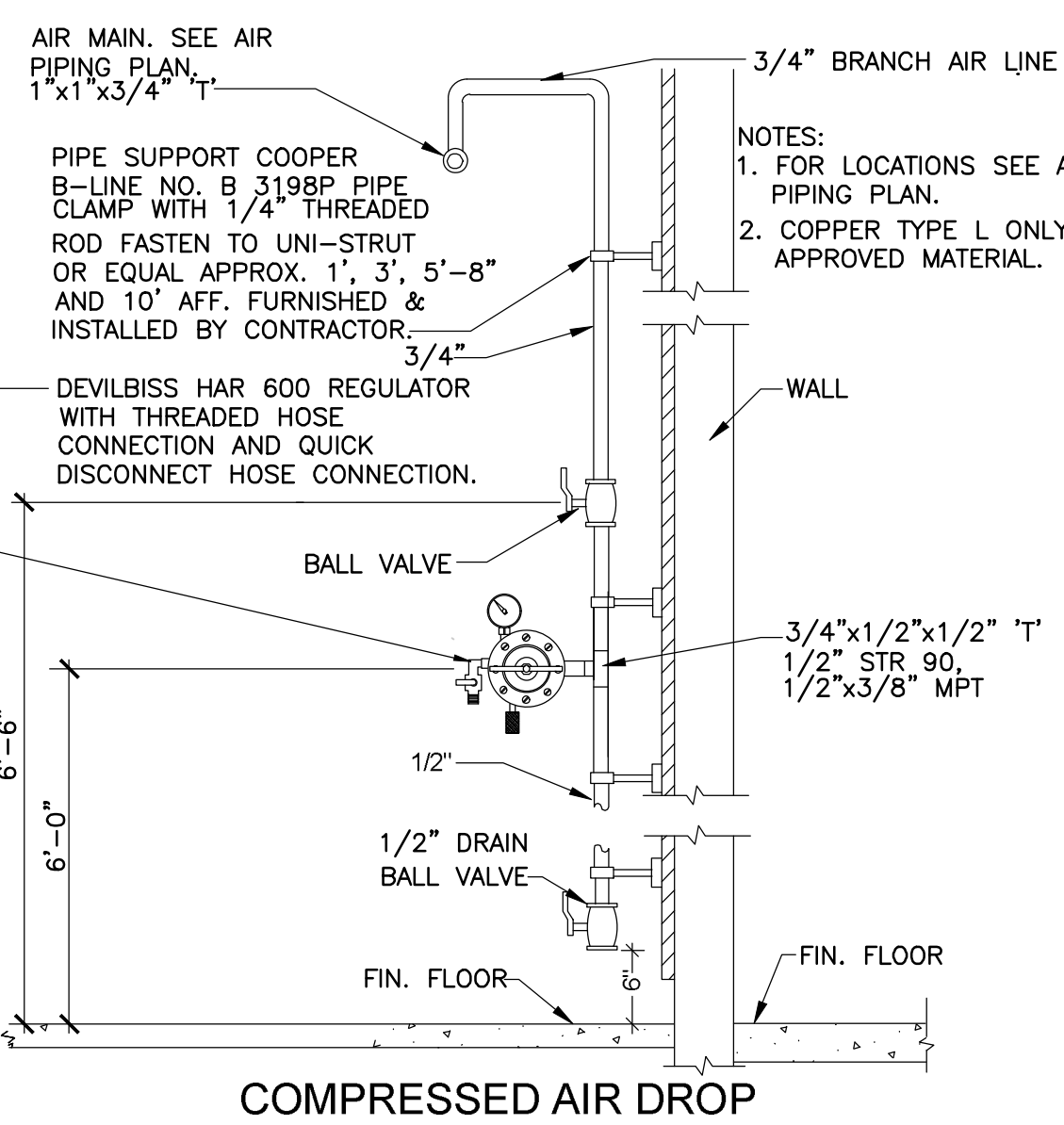
1. SEE PLUMBING PLAN FOR LOCATION OF COMPRESSORS, PIPE SIZES AND EQUIPMENT LOCATIONS.
2. PLUMBING CONTRACTOR TO INSTALL ALL REQUIRED PIPE, VALVES AND UNIONS TO INSTALL A COMPLETE OPERATING SYSTEM. CONSULT COMPRESSORS' INSTALLATION MANUAL FOR ALL REQUIREMENTS.
3. COPPER TYPE "L" PIPING ONLY ACCEPTABLE PIPE MATERIAL.
4. TYPICAL DETAIL - PIPING CONNECTIONS AT COMPRESSORS MAY VARY ACCORDING TO MANUFACTURER. COMPRESSORS ARE TO BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
5. COMPRESSORS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
6. ALL PIPING IS LOCATED / INSTALLED BETWEEN COMPRESSORS AND WALL. MOUNT TIGHT TO WALL. PROVIDE CODE REQUIRED SUPPORTS AND SPACING.
7. ALL VALVES SHALL BE NORMALLY OPEN (NO.) UNLESS NOTED OTHERWISE.



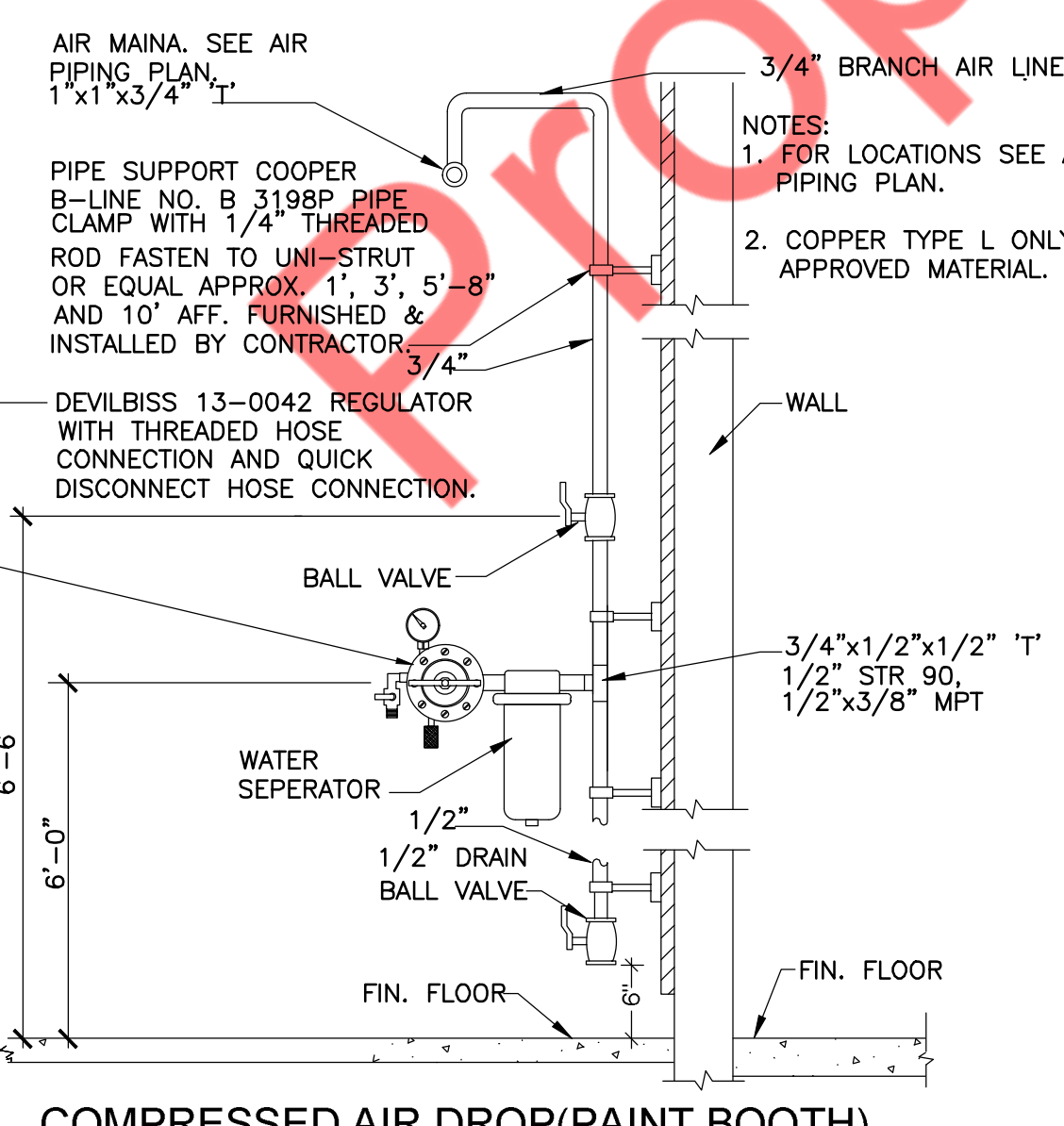
AIR COMPRESSOR DIAGRAM

NOTE:
ALL AIR PIPING CONNECTED TO COMPRESSORS AND AIR MAIN TO BE 1" (UNO) FASTEN TO WALL. SEE NOTE 3 & 6.

NOTE:
COMPRESSED AIR PIPING TO BE ABOVE GROUND - TYPE "L" COPPER



COMPRESSED AIR DROP



COMPRESSED AIR DROP (PAINT BOOTH)

