

PLUMBING FIXTURE SCHEDULE						
MARK	ITEM	HW 140°	TW 105°	CW	WASTE	DESCRIPTION
P1	WATER CLOSET	--	--	1/2"	4"	PROFLO HIGH EFFICIENCY TOILET W/ PRESSURE ASSIST (BOWL - PF1683PAWH) (TANK - PF1612PAWH) FLOOR MOUNTED, 1.0 GAL./FLUSH, WHITE W/ SEAT (ELONGATED, OPEN FRONT TYPE), V.C., A.D.A. COMPLIANT OR APPROVED EQUAL (FLUSH HANDLE LOCATED ON THE LAV SIDE OF TANK)
P2	LAVATORY	--	1/2"	1/2"	1 1/2"	PROFLO WALL HUNG LAV. (PF5518WH) W/ AMERICAN STANDARD METERING FAUCET (1348.825) - 8.17 GALLON FLOW PER ACTIVATION, WHITE V.C., ADA TRAP & PIPE INSULATION, A.D.A. COMPLIANT OR APPROVED EQUAL * TEMPERED WATER DELIVERED @ EA. LAV. VIA WATER-TEMP. LIMITING DEVICE PER ASSE 1070 (VPC 416.5)
P3	CLEANOUT	--	--	--	LINE SIZE	JAY R. SMITH, 4020 SERIES W/ROUND, POLISHED BRONZE TOP.
P4	CLEANOUT	--	--	--	LINE SIZE	JAY R. SMITH WALL CLEANOUT AND PLUG
P5	SERVICE SINK	--	1/2"	1/2"	3"	FIBERGLASS SERVICE SINK W/ LEGS & SERVICE SINK FAUCET
P6	HI-LO WATER COOLER W/ BOTTLE FILLING STATION	--	1/2"	1/2"	2"	ELKAY ELZSTLBSLWK HI-LO WATER COOLER W/ BOTTLE FILLING STATION MOUNTED @ ADA HEIGHT AND THE FIXTURE IS ADA COMPLIANT
P7	WATER HEATER	--	3/4"	3/4"	--	RHEEM, 10 GAL. STOR. CAPACITY, (1) 1.5 KW ELEMENT, ANSI RATED TEMP/PRESS. RELIEF VALVE, TEEL NO. 2P672, 2.1 GAL EXP. TANK - SET THERMOSTAT AT 140 DEG. F.
P8	NOT USED	--	--	--	--	

GENERAL PLUMBING NOTES

- DRAWINGS ARE DIAGNAMTIC AND SHALL NOT BE SCALED. REFER TO DESIGN PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ETC. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE INSTALLATION.
- ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF THE 2012 EDITION OF THE VIRGINIA PLUMBING CODE & ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. ALL EXECUTION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE A PART OF THIS CONTRACT.
- ALL MATERIAL SHALL BE NEW.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/DESIGNER.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY OR PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- THE PLUMBING CONTRACTOR SHALL SECURE AND PAY ALL PERMIT FEES, INSPECTIONS, AND TESTS. TESTS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- THE PLUMBING CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) ONE YEAR FROM DATE OF ACCEPTANCE. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. ADVISE ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- ALL FIXTURES SHALL BE PROVIDED WITH READILY ACCESSIBLE STOPS.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE PVC #40 OR COPPER DRAIN WASTE AND BENT PIPE AND FITTINGS. INSULATE ALL CONDENSATE PIPING EXCEPT EXTERIOR PIPING. INSTALL ALL CONDENSATE PIPING FOR AIR CONDITIONING UNITS AS REQUIRED PER LOCAL CODES.
- FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND POI APPROVED SHOCK ARRESTERS ON MAIN LINES AND RISERS.
- PPING PASSING UNDER OR THROUGH FOUNDATION WALLS SHALL BE PROVIDED WITH A RELIEVING ARCH OR SLEEVE IN ACCORDANCE WITH SECTION 305.5 OF THE 2012 INTERNATIONAL PLUMBING CODE.
- PROVIDE SEISMIC SHAY BRACING FOR ALL SUSPENDED EQUIPMENT AND PIPING LARGER THAN 2" IN ACCORDANCE WITH SECTION WITH CURRENT CODES.

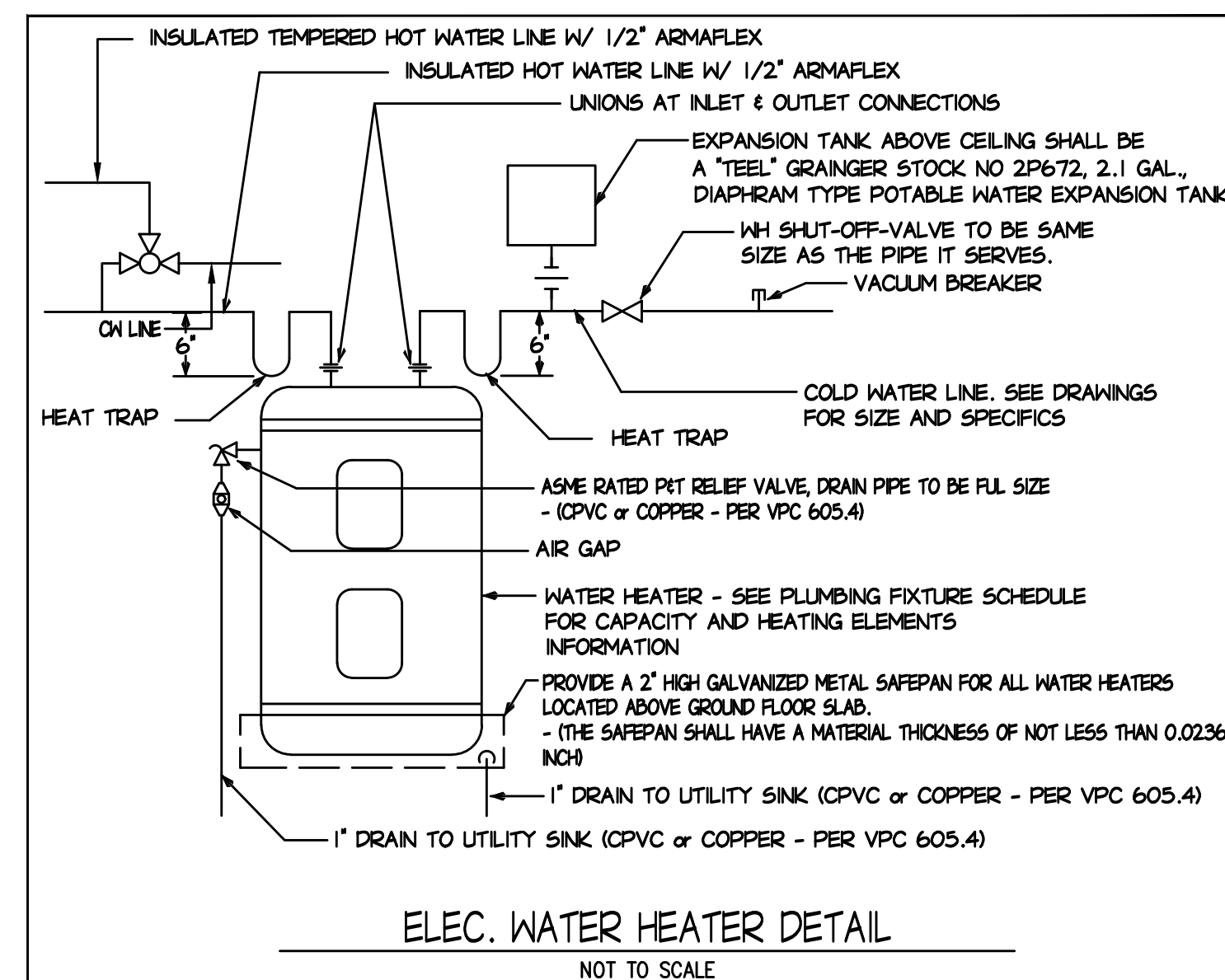
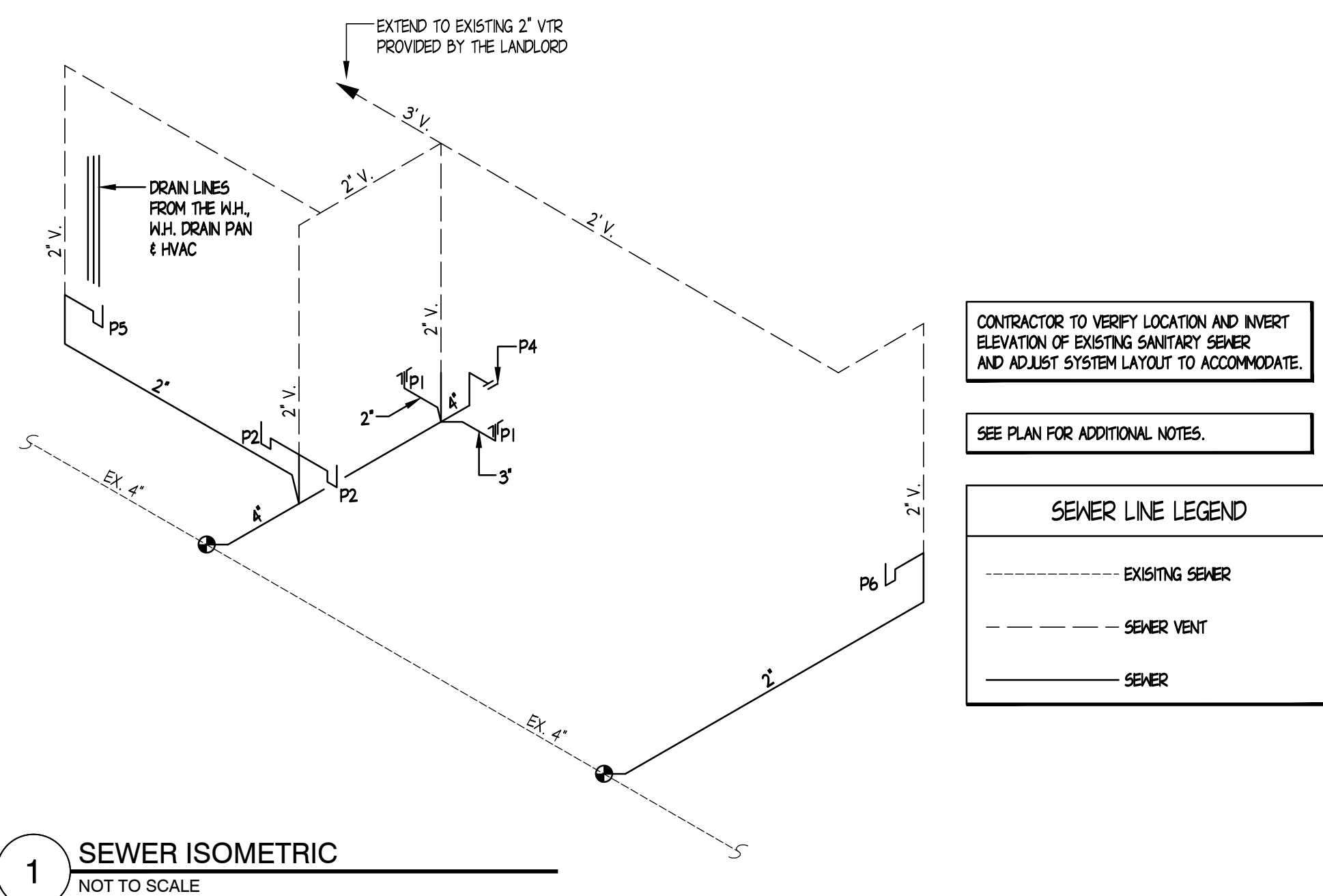
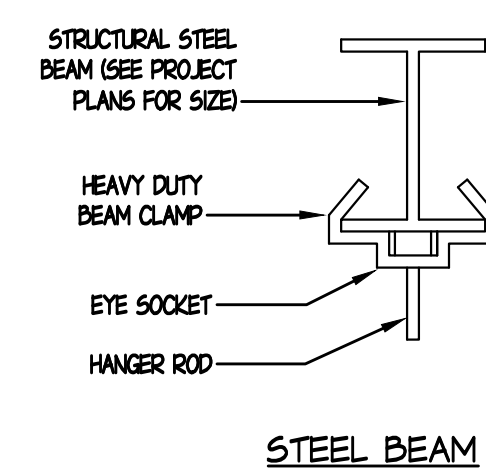
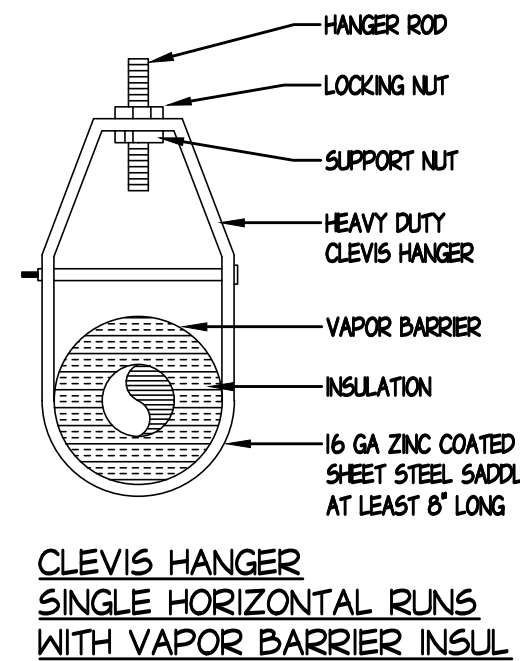
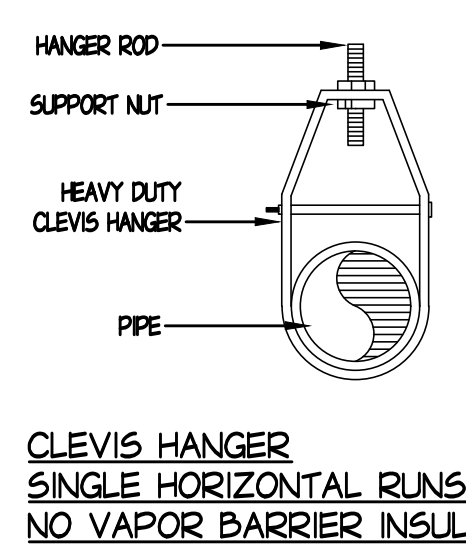
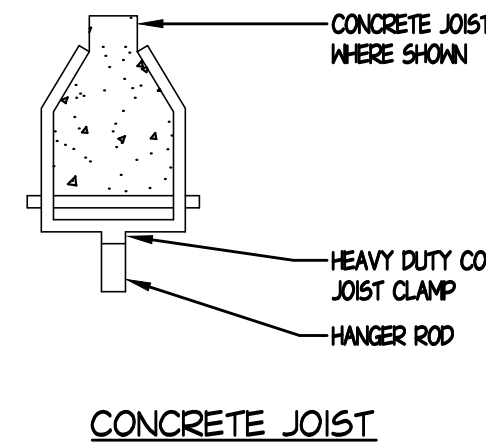
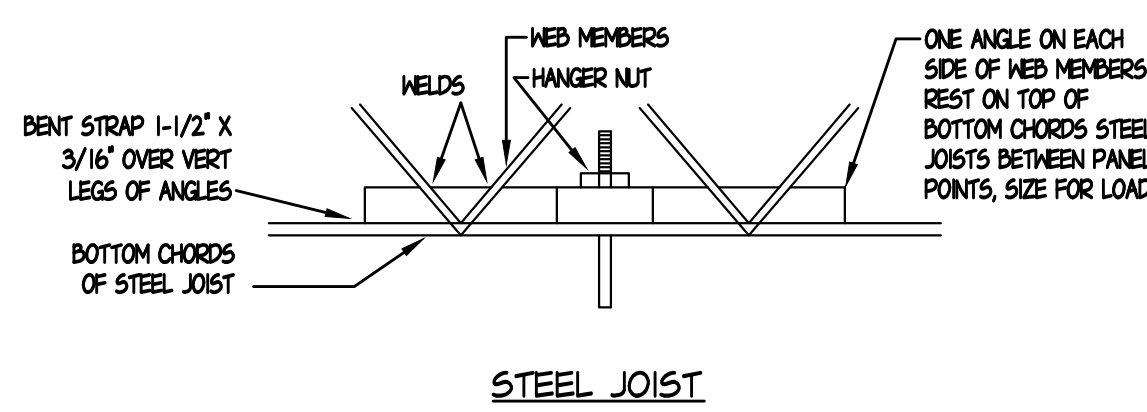
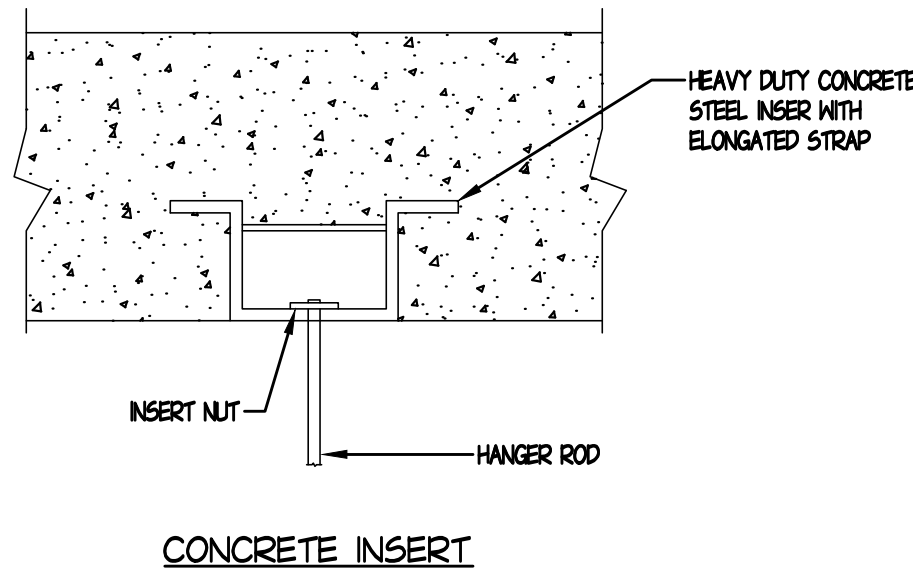
GENERAL PLUMBING SPECIFICATIONS

- GENERAL CONDITIONS**
- GENERAL AND SPECIAL CONDITIONS ARE HEREBY MADE AN INTEGRAL PART OF THIS DIVISION OF THE SPECIFICATIONS IN THAT THEY ARE APPLICABLE TO THE WORK UNDER THIS DIVISION UNLESS OTHERWISE NOTED.
 - PROVIDE 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.
 - PERMITS: APPLY FOR AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION. INCREASE CHARGES, BOND PROPERTY ASSESSMENTS AND FACILITIES CHARGE ARE NOT TO BE CONSIDERED TO BE A PART OF THIS CONTRACT.
 - WARRANTY: PROVIDE ALL MATERIALS AND EQUIPMENT UNDER THIS SECTION OF THE SPECIFICATIONS WITH A ONE YEAR WARRANTY FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER.
 - THE CONTRACTOR SHALL TIE INTO CIVIL PROVIDED TAP AS INDICATED ON PLANS. ALL COSTS FOR THIS SERVICE SHALL BE PART OF HIS BID CONTRACT PRICE.
 - PROTECT COPPER PIPING AGAINST CONTACT WITH DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED.
 - PROTECT COPPER PIPING AGAINST CONTACT WITH ALL MASONRY. WHERE COPPER IS SLEEVED THROUGH MASONRY, PROVIDE COPPER OR RED BRASS SLEEVES.
 - MAKE SURE PROVISIONS ARE INSTALLED IN ALL PIPING SO NO STRAIN OR BREAKAGE RESULTS FROM EXPANSION OR CONTRACTION.
 - PITCH ALL WATER PIPES SO THAT ALL PARTS MAY BE DRAINED. THE FORMATION OF SAGS AND TRAPS SHALL BE AVOIDED.
 - PROVIDE SHOCK ARRESTORS WHERE SHOWN ON PLANS FOR THE COMPLETE ELIMINATION OF WATER HAMMER.
- MATERIALS AND EQUIPMENT**
- ALL NEW WORK SHALL BE OF MATERIALS LISTED BELOW OR SHALL MATCH EXISTING. IF A CONFLICT EXISTS BETWEEN MATERIALS AND/OR EQUIPMENT, THE MORE STRINGENT SHALL APPLY AS ADJUDGED BY THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY MATERIAL TYPE AND EQUIPMENT.
 - DOMESTIC WATER PIPING:**
 - DOMESTIC WATER PIPING BELOW GRADE: SOFT ANNEALED SEAMLESS COPPER TUBING, TYPE 'K' WITH NO JOINTS. BELOW GRADE (ASTM D 88).
 - DOMESTIC WATER PIPING AND JOINTS ABOVE GRADE: HARD DRAWN SEAMLESS COPPER TUBING, TYPE 'L' WITH 95-5 SILVER SOLDERED JOINTS (ASTM D 88).

IF PERMITTED BY LOCAL CODES, ALL ABOVE GROUND WATER PIPING 2" AND SMALLER SHALL BE FLANGE END GOLD C.P.V.C. (ASTM D 1784) WITH C.P.V.C. SOCKET-TYPE PIPE FITTINGS (ASTM D 2846).
 - STERILIZE DOMESTIC WATER PIPING IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.
 - INSULATE DOMESTIC WATER PIPING ABOVE GRADE (EXCEPT EXPOSED CONNECTIONS TO PLUMBING FIXTURES) WITH ENGINEERED POLYMER FOAM INSULATION. FOLLOW THIS SCHEDULE:

SERVICE	PIPE SIZE	INSUL. THICKNESS
DOMESTIC HOT WATER (105 - 140 F)	5" - 1.5"	1/2"
DOMESTIC HOT WATER (105 - 140 F)	2" AND UP	3/4"
DOMESTIC COLD WATER	ALL	1/2"
 - DOMESTIC WATER PIPING INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES ARE REQUIRED TO MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 (NFPA 255) METHOD.
 - INSTALL WATER PIPING IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.
 - SHUT OFF VALVES: PROVIDE FULL PORT, BALL TYPE, AND INSTALL IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. PROVIDE ACCESS DOORS IF REQUIRED.
- C. SANITARY WASTE AND VENT PIPING:**
- SANITARY WASTE AND VENT PIPING AND FITTINGS: SERVICE WEIGHT CAST IRON, HUB AND SPIGOT TYPE WITH COMPRESSION JOINTS (ASTM A 74) OR NO-HUB PIPING WITH COUPLINGS (CSPR 301).
- EXCEPTIONS:**
DO NOT INSTALL PVC PIPING IN RETURN AIR PLUMBING OR WITHIN 10'-0" OF ANY LOCATION WHERE EQUIPMENT MAY DISCHARGE WATER IN EXCESS OF 140 DEGREES.
- SLOPE SANITARY WASTE PIPING 2.5" AND SMALLER AT 1/4" PER FOOT MIN. SLOPE SANITARY WASTE PIPING 3" AND LARGER AT 1/8" PER FOOT MINIMUM.
 - WHERE WASTE PIPING IS EXPOSED IN REST ROOM AREAS, PROVIDE CHROME PLATED BRASS PIPING, WITH MATCHING STOPS AND ESCUTCHEONS. PROVIDE REMOVABLE TRAPS WITH INTEGRAL CLEAN-OUT PLUG FOR ALL LAVATOIRES.
 - INSTALL CLEAN-OUTS IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS.
- SEISMIC REQUIREMENTS**
PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC. IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.
- GUARANTEE**
THE CONTRACTOR SHALL GUARANTEE THE COMPLETE PLUMBING SYSTEM AGAINST DEFECTS DUE TO FAULTY MATERIALS, WORKMANSHIP OR FAILURE DUE TO NEGLIGENCE OF THE CONTRACTOR. THIS GUARANTEE SHALL EXTEND 12 MONTHS FROM DATE OF FINAL ACCEPTANCE. ALL SERVICE CALLS DURING THIS PERIOD SHALL BE PROVIDED BY THE CONTRACTOR.

HANGER ROD SCHEDULE			
PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA	4" TO 6"	5/8" DIA.
2-1/2" TO 3"	1/2" DIA	6" TO 12"	7/8" DIA.



1 SEWER ISOMETRIC
NOT TO SCALE



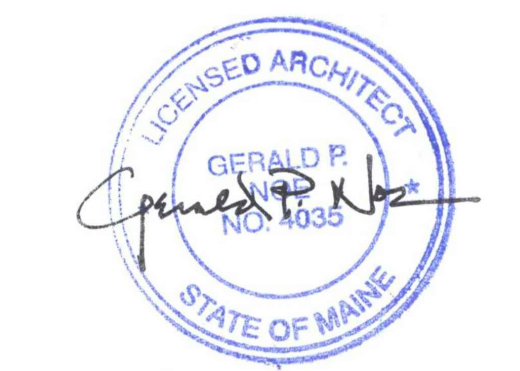
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DATE: 2017-09-21

REVISIONS:

NO.	DATE	DESCRIPTION	BY

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PROJECT NAME:



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SHEET TITLE:

PLUMBING NOTES & DETAILS

PROJECT NUMBER: 17-A094

DATE: 2017-09-21

SHEET NO.

AP-2

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