

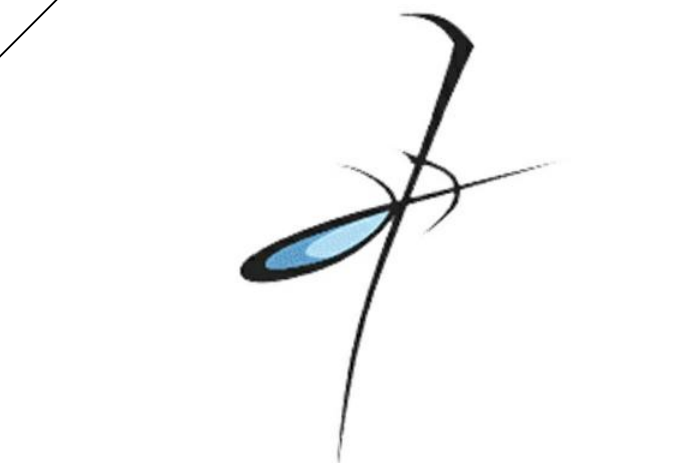
PLUMBING NOTES:

- FLEXIBLE CLOSED CELL ELASTOMERIC THERMAL INSULATION, INSLIT OR PRESLIT EQUAL TO ARMSTRONG AP ARMAFLEX OR ARMAFLEX 2000 WITH PRESSURE SENSITIVE ADHESIVE SYSTEM FOR CLOSURE AND VAPOR SEALING.
- INSULATION SCHEDULE:
 - DOMESTIC COLD WATER: 1/2"
 - DOMESTIC HOT WATER: 1"
 - REFRIGERANT SUCTION: 1-1/2"
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING AND LOCATIONS.
- BURIED EXTERIOR WASTE PIPING ELEVATION SHALL BE MINIMUM 30" BELOW GRADE. BURIED EXTERIOR DOMESTIC WATER PIPING ELEVATION SHALL BE MINIMUM 48" BELOW GRADE.
- PEX, HIGH-DENSITY CROSS-LINKED POLYETHYLENE TUBING SHALL BE MANUFACTURED TO THE REQUIREMENTS OF ASTM F876 AND MEET THE STANDARD GRADE HYDROSTATIC PRESSURE RATINGS FROM THE PLASTIC PIPE INSTITUTE IN ACCORDANCE WITH TR-4/03.
- PEX MECHANICAL, CRIMP/INSERT FITTINGS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PIPE SIZES GIVEN ON THE DRAWINGS ARE NOMINAL PIPE SIZE.
- SANITARY SEWER AND VENTS (UNDERGROUND, INTERIOR TO BUILDING). POLYVINYLCHLORIDE (PVC) DWV PIPE, SCHEDULE 40, SOLVENT JOINT (WHERE APPROVED BY LOCAL CODES).
- SANITARY SEWER AND VENTS (EXTERIOR TO BUILDING) POLYVINYLCHLORIDE (PVC) DWV PIPE, SDR-26 40, SOLVENT APPROVED BY LOCAL CODES). JOINT (WHERE APPROVED BY LOCAL CODES).
- SANITARY SEWER AND VENTS (ABOVEGROUND). POLYVINYLCHLORIDE (PVC) DWV PIPE, SDR-26 40, SOLVENT APPROVED BY LOCAL CODES).
- CONDENSATE DRAINS AND INDIRECT WASTE (ABOVEGROUND) POLYVINYLCHLORIDE (PVC) DWV PIPE, SCHEDULE 40, SOLVENT JOINT.
- PROPANE (ABOVE AND BELOW GRADE) AS RECOMMENDED BY LOCAL LPG SUPPLIER AND APPROVED BY LOCAL CODE AUTHORITY BASED ON GAS CHEMICAL CONTENT.
- PROVIDE CHROME PLATED ESCUTCHEONS ON ALL PIPE ENTERING FINISHED AREAS.
- CLEAN AND FLUSH ALL WASTE PIPING LINES TO ENSURE THEY ARE FREE OF OBSTRUCTIONS.
- PROVIDE AN APPROVED WATER HAMMER ARRESTOR FOR EACH PLUMBING FIXTURE SUPPLY AS REQUIRED BY FIXTURE MANUFACTURER.
- PROVIDE CLEANOUTS AT EACH CHANGE OF DIRECTION AND AT 100 FOOT INTERVALS IN STRAIGHT RUNS.
- CLEANOUTS:
WALL: JR SMITH #4472 OR EQUAL, 24" ABOVE FLOOR UNLESS OTHERWISE INDICATED EXTERIOR: JR SMITH #4251-U OR EQUAL UNLESS OTHERWISE INDICATED.

- SUPPORT ALL PIPING FROM STRUCTURE USING HANGERS AND FASTENERS TO PROVIDE STRESS FREE INSTALLATION.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED TRAPS AND A MINIMUM SLOPE OF 1/16" PER FOOT FALL VALVES.
- ALL SEWER PIPING LOCATED INSIDE THE BUILDING FOR SHALL BE SMALL DIAMETERS AND 3" AND LARGER PIPE AT 1/8" PER INSTALLED WITH FOOT FALL.
- SEWER PIPING LOCATED EXTERIOR TO THE BUILDING WITH 4" AND SMALLER PIPE AT A MINIMUM SHALL BE SLOPE OF INSTALLED 2%, AND 6" AND LARGER PIPE AT A MINIMUM SLOPE OF 1%.
- FIXTURES SHALL BE GENERALLY SERVED WITH 1/4 TURN STOP VALVES WITH VALVES RIGIDLY SUPPORTED AT THE ATTACHING CW & HW WALL SERVICE WITH 3/8" FLEXIBLE CONNECTORS CONNECTIONS.
- GAS AND WATER LINES SHALL BE FITTED WITH LOCKABLE AT THE ENTRY POINT TO THE BUILDING. SHUTOFF VALVES
- HOT WATER HEATER SHALL BE LOCATED DIRECTLY OVER UTILITY SINK WITH CONDENSATE LINE ROUTED TO SINK AND RIGIDLY SECURED.
- FURNACE CONDENSATE LINE TO BE ROUTED TO FLOOR DRAIN AND RIGIDLY SECURED TO FLOOR.

PLUMBING FIXTURE SCHEDULE

ID	TYPE OF FIXTURE	QTY.	MANUFACTURER MODEL	DESCRIPTION
D	Gas Clothes Dryer	1	Future by others	Connections only
HB	Frost Proof Hose Bib	4	GripWerks #P140-8-12x6	1/2" x 6" Brass Anti-Siphon Frost Free Silcock Valve with Push-Fit Connections
L1	ADA Bath Lav. & Faucet	3	Kohler Pinoir Wall-Mount Delta 590LF-LGHGMHDF	Pinoir Wall-Mount Bathroom Sink in white, mounting height 34" for ADA, must use shroud Single Hole Touchless Chrome Faucet
L2	Utility Sink & Faucet	1	PRESENZA	All-in-One 25.98" x 22.83" x 35.43" Stainless Steel Utility Sink with single handle Faucet and Drain, with one drawer
L3	Double Sink/Faucet	1	KOHLER	33", 4 Hole, Double Basin, Stainless, Model K-3361-4-NA Model K-R10651-SD-VS Single-Handle, Pull-Down Faucett
S1	Shower Head & Valve	1	KOHLER	ADA compliant, pressure balancing with high-temperature limit stop. Stillness design in Polished Chrome. Model #K-T949-4-CP. Single Lever Handle
U	Wall Mounted Urinal	1	American Standard	American Standard Model #6045.051.002 Flush Valve, 0.5 gpf, 3/4" top spud. American Standard #6590.001.020 Washbrook Flowise top spud 0.125 GPF Urinal in white
W	Clothes Washer		Future by others	Connections only
WC	Water Closet	4	American Standard Model #2403.128.222	White, ADA Compliant, 1.28 GPF, 1-piece, 16.5" rim height, elongated bowl
WH	Gas Water Heater	1	AO Smith Model #GDHE-50	50 gallon condensing, 96% efficient, 100,000 BTU input LPG, power direct vent using PVC pipe.



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DESCRIPTION
DATE
NO.

DATE: 05/15/2017
CHECKED BY: JJG
PROJECT NO: 14-2017
SHEET: PLUMBING NOTES

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