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PLUMBING FIXTURE SCHEDULE													
FIXTURE DESIGNATION	FIXTURE TYPE	MFGR.	MODEL	SUPPORT	MATERIAL	DRAINAGE CONNECTIONS			SUPPLY CONNECTIONS			TRAP PRIMER TYPE	REMARKS
						SANITARY SEE PLAN	WASTE SEE PLAN	VENT	OPERATION	CW	HW		
CO	CLEANOUT	ZURN	ZS-1400-IC-BP	FLOOR	CAST IRON	--	--	--	--	--	--	--	CAST IRON BODY, BRONZE PLUG, STAINLESS STEEL TOP
CWB	DRAIN	ZURN	38550	WALL	POLYSTYRENE	--	2"	2"	--	--	--	--	HIGH IMPACT POLYSTYRENE, PROVIDE 2 SUPPORT BRACKETS, FACEPLATE SHALL BE SNAP-ON TYPE, PROVIDE ZURN Z-1024 AIR GAP ACCESSORY, COORDINATE INSTALLATION LOCATION WITH HVAC CONTRACTOR
ETP	TRAP PRIMER	PPP	PT-6	WALL	--	--	--	--	AUTOMATIC	3/4"	--	--	ELECTRONIC TRAP PRIMER DISTRIBUTION UNIT.
EWC	ELECTRIC WATER COOLER - ADA	ELKAY	LZOSTL8C	WALL	--	--	2"	1-1/2"	PUSH ACTUATOR	1/2"	--	--	UNIT SHALL PROVIDE 8.0 GPH OF 50°F WATER AT 90°F AMBIENT AND 80°F ENTERING WATER. BI-LEVEL, BARRIER FREE, STAINLESS STEEL WATER COOLER. SURFACE MOUNT, WITH ON WALL REFRIGERATION SYSTEM. PROVIDE STAINLESS STEEL GRILLE, ADA ACCESSIBLE STAINLESS STEEL TUBULAR SUPPORT ARMS. ALL STAINLESS STEEL FINISHES SHALL BE POLISHED TO LUSTROUS FINISH WITH HIGH SHINED OUTER EDGE. COOLER HAS CONTOURED BASINS TO MINIMIZE SPLASHING, FLEX-GUARD SAFETY BUBBLERS, AND VANDAL RESISTANT FRONT PUSH BUTTONS. PROVIDE FLOW REGULATION DEVICE. PROVIDE MCQUIRE P-TRAP AND SUPPLIES MODEL 8902 AND 158LK. CONTRACTOR TO ENSURE DRAW ASSEMBLY IS INSTALLED ON OPPOSITE SIDE OF THE ELECTRIC ROOM, I.E. A RIGHT HAND HIGH SIDE INSTALLATION.
FD-1	FLOOR DRAIN	ZURN	ZS415-P-SQ6-T C-V-Y	FLOOR	CAST IRON	--	SEE PLAN	2"	--	--	--	P-TRAP INLET, ELECTRONIC TRAP PRIMER	DURA-COATED, CAST IRON BODY ASSEMBLY WITH 6" SQUARE TYPE 304 STAINLESS STEEL TOP, BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, TYPE "S" STAINLESS STEEL MEDIUM DUTY STRAINER, TRAP PRIMER CONNECTION, NEO-LOC TEST CAP GASKET, BACKWATER VALVE, AND SEDIMENT BUCKET
FD-2	FLOOR DRAIN	ZURN	ZS415-P-SQ6-T C-V	FLOOR	CAST IRON	--	SEE PLAN	2"	--	--	--	P-TRAP INLET, ELECTRONIC TRAP PRIMER	DURA-COATED, CAST IRON BODY ASSEMBLY WITH 6" SQUARE TYPE 304 STAINLESS STEEL TOP, BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, TYPE "S" STAINLESS STEEL MEDIUM DUTY STRAINER, TRAP PRIMER CONNECTION, NEO-LOC TEST CAP GASKET, AND BACKWATER VALVE
HD	HUB DRAIN	ZURN		WALL	--	--	SEE PLAN	--			--	--	PROVIDE OPEN ENDED PIPE FOR HUB DRAIN
L	LAVATORY - ADA	KOHLER	K-2084	WALL	VITREOUS CHINA	--	2"	1-1/2"	ELECTRONIC SENSOR	1/2"	1/2"	--	ADA COMPLIANT, WALL-HUNG, 20"x18" NOMINAL BOWL MADE OF VITREOUS CHINA, WITH SINGLE HOLE FAUCET MOUNT, OVERFLOW AND SOAP DISPENSER HOLE ON RIGHT. LAVATORY SHALL BE DRILLED FOR CONCEALED CARRIER. FAUCET SHALL BE KOHLER K-13468-CP, SENSOR ACTIVATED, 0.5 GPM WITH A 10 SECOND TIMEOUT, SINGLE HOLE INSTALLATION. PROVIDE 120V/24V TRANSFORMER, MODEL K-13480. PROVIDE TEMPERATURE MIXING VALVE. PROVIDE MCQUIRE STRAINER/P-TRAP AND SUPPLIES MODELS 155A/8902, AND 2165CC. PROVIDE TRUEBRO LAV SHIELD 2018KOS1.
WC	WATER CLOSET	KOHLER	K-4325	FLOOR	VITREOUS CHINA	4"	--	3"	ELECTRONIC FLUSH VALVE	1-1/4"	--	--	FLOOR-MOUNTED, ADA HEIGHT, 1.28 GPF, VITREOUS CHINA BOWL. FLUSH VALVE: EXPOSED, SENSOR-ACTIVATED, PISTON TYPE, CHROME-PLATED, MANUAL OVERRIDE, ANGLE STOP BUMPER (OPTION YO), HARD-WIRED TRANSFORMER MODEL NO. EL-154 (120V/24VAC/60 HZ/50VA). SEAT SHALL BE BEMIS MODEL #1955C WHITE PLASTIC, ELONGATED SHAPE, OPEN FRONT, LESS COVER. CARRIER SHALL BE ZURN 1200 SERIES.
WH	WALL HYDRANT	ZURN	Z-1332-EZ	WALL	BRONZE	--	--	--	MANUAL KEY	3/4"	--	--	ENCASED, MODERATE CLIMATE WALL HYDRANT WITH INTEGRAL BACKFLOW PREVENTER, 3/4" HOSE THREADED OUTLET, LOOSE KEY, AND ALL POLISHED CHROME-PLATED BRONZE BODY.

PLUMBING SPECIFICATIONS

PLUMBING GENERAL SPECIFICATION NOTES

1.

THE TERM "THE CONTRACTOR" AS USED IN THIS SECTION SHALL DENOTE THE PLUMBING SUB-CONTRACTOR.

2.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE FLORIDA PLUMBING CODE WITH ALL LOCAL AMENDMENTS AND ORDINANCES.

3.

REVIEW PLANS OF ALL TRADES PRIOR TO BIDDING AND INSTALLATION TO INCLUDE ALL PLUMBING FOR COMPLETE SYSTEMS SHOWN ON THE PLANS AND AS REQUIRED.

4.

COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, STRUCTURE, ELECTRICAL LIGHTING, AND OTHER PIPING IN THE CEILING SPACE. VENT PIPING AND WATER PIPING SHALL BE HELD EITHER ABOVE OR BELOW HVAC DUCTWORK AS COORDINATED WITH THE HVAC CONTRACTOR.

5.

ALL CHANGES SHALL REQUIRE THE APPROVAL OF THE ARCHITECT/OWNER.

6.

COORDINATE WITH ARCHITECTURAL AND EQUIPMENT SUPPLIER DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES AND EQUIPMENT SUPPLIES.

7.

THE PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING FIXTURES, AS IDENTIFIED ON PLUMBING FIXTURE SCHEDULE.

8.

VERIFY MOUNTING HEIGHT AND WATER CONNECTION SIZES TO ALL PLUMBING FIXTURES PRIOR TO ROUGH-IN. FURNISH CUT-OUT TEMPLATES, FOR PLUMBING FIXTURES TO BE INSTALLED IN MILLWORK, TO THE GENERAL CONTRACTOR.

9.

MAKE PROPER HOT AND COLD WATER, WASTE AND VENT PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL FITTINGS AND CONNECTIONS ARE NOT SHOWN.

10.

VERIFY LOCATION OF EXISTING WATER SERVICE AND THE LOCATION/INVERTS OF SANITARY PIPING PRIOR TO INSTALLATION.

11.

LOCATE VENT STACKS NO LESS THAN 10'-0" FROM ALL FRESH AIR INTAKES. ALL PLUMBING VENTS IN EXTERIOR WALLS SHALL BE OFFSET A MINIMUM OF 3'-0" BEFORE ROOF PENETRATION.

12.

FURNISH AND INSTALL WATER HAMMER ARRESTORS IN ACCORDANCE WITH PDI-WH 201 AND WHERE REQUIRED BY LOCAL AUTHORITIES. WATER HAMMER ARRESTORS SHALL BE LISTED BY A.S.S.E. STANDARD 1010.

13.

UNDERGROUND PLASTIC PIPING SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, ASTM F1668, AND ALL APPLICABLE LOCAL CODES.

14.

IT IS THE INTENT OF THESE DRAWINGS TO COVER ALL WORK AND MATERIAL FOR A FIRST CLASS INSTALLATION. ANY EQUIPMENT, PLUMBING FIXTURE, TRIM HARDWARE AND/OR DEVICES USUALLY UTILIZED IN THE CLASS OF WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THESE DRAWINGS, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK (AS DETERMINED BY THE ARCHITECT) SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS PART OF HIS TOTAL WORK.

15.

ALL WORK, BOTH MATERIAL AND INSTALLATION, SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER.

PLUMBING MATERIALS

1.

DOMESTIC HOT/COLD WATER PIPING BELOW SLAB/DRIVES OR EXPOSED TO VIEW INSIDE BUILDING SHALL BE TYPE "L" COPPER WITH WROUGHT COPPER FITTINGS. WATER PIPING ABOVE SLAB AND CONCEALED WITHIN WALLS OR ABOVE CEILINGS MAY BE CPVC OR PEX (WHERE PERMITTED BY LOCAL CODES). WATER PIPING UNDERGROUND AND NOT UNDER BUILDING SLAB OR DRIVES MAY BE TYPE 1, SCHEDULE 40, PRESSURE RATED, PVC PLASTIC PIPE WITH SOLVENT-WELDED FITTINGS. PROVIDE 12 GA. TRACER WIRE ABOVE PIPE BELOW GRADE.

2.

ALL DOMESTIC WATER AND CONDENSATE DRAIN PIPING CONCEALED WITHIN WALLS OR ABOVE CEILINGS SHALL BE INSULATED. INSULATION SHALL BE FLEXIBLE UNICELLULAR SELF-SEAL ARMAFLEX 2000 1/2" THICK FOR HOT AND COLD WATER PIPING UP TO 2" SIZE. PROVIDE SHEET METAL SADDLES AT EACH PIPE HANGER.

3.

ALL SANITARY, WASTE, AND VENT PIPING SHALL BE PVC SCHEDULE 40 SOLID WALL PIPE AND DWV FITTINGS WITH SOLVENT-WELDED JOINTS, CONFORMING TO ASTM D1784, ASTM D1785, ASTM D2665, ASTM D2564, ASTM F1866, AND NSF 14 STANDARDS.

PLUMBING ROUGH-IN NOTES

1.

THESE DRAWINGS ARE ACCOMPANIED BY OTHER DRAWINGS, SPECIFICATIONS AND BROCHURES. DRAWINGS, SPECIFICATIONS, AND BROCHURES ARE TO BE CONSIDERED IN WHOLE FOR PRICING, ROUGH-IN, INSTALLATION, AND CONNECTIONS. THE PLUMBING CONTRACTOR SHALL REVIEW THESE DOCUMENTS FOR NOTATIONS AND COMMENTS THAT PERTAIN TO THE PLUMBING ASPECTS OF THE PROJECT.

2.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL CAR WASH EQUIPMENT CONTRACT DOCUMENTS TO ENSURE THAT ALL REQUIRED PLUMBING SERVICES ARE PROVIDED SO AS TO COMPLETE THE PROJECT.

3.

THE PLUMBING CONTRACTOR SHALL PROVIDE SUPPLEMENTAL BRACING FOR ALL INDIRECT EQUIPMENT DRAINS EXPOSED BELOW EQUIPMENT. SUPPLEMENTAL BRACING SHALL CONSIST OF TWO SPLIT RING PIPE HANGERS (SIZED AS REQUIRED) CONSTRUCTED OF COPPER-PLATED CAST IRON AND CONNECTED WITH STAINLESS STEEL ALLTHREAD ROD. BRACING SHALL SECURE DRAIN PIPING TO EQUIPMENT TO PREVENT INCIDENTAL DAMAGE TO WASTE PIPING.

4.

ABOVE GRADE SANITARY WASTE PIPING FROM EVAPORATORS (PIPES CARRYING COLD CONDENSATE) SHALL BE INSULATED TO PREVENT CONDENSATION.

5.

THE CONTRACTOR SHALL PROVIDE SERVICE AND FULLY CONNECT EQUIPMENT ITEMS, FURNISH AND INSTALL ALL MATERIAL, VALVES, TRAPS, FITTINGS, STOPS, PRESSURE REGULATORS, AND PIPING BETWEEN EQUIPMENT AND STUB-OUT LOCATIONS TO MAKE EQUIPMENT FULLY OPERATIONAL.

6.

PIPING SHALL BE CONCEALED IN WALLS WHEREVER POSSIBLE. STUB-OUT DIMENSIONS ARE FROM FINISHED WALLS TO CENTER OF STUB-OUTS OR FROM CENTER OF STUB-OUT TO CENTER OF STUB-OUT.

7.

STUB-OUT LOCATIONS AND CONNECTION REQUIREMENTS ARE RELATIVE ONLY TO ITEMIZED EQUIPMENT AND FIXTURES. PLUMBING PLAN IS INTENDED FOR ROUGH-IN LOCATIONS, CONNECTION POSITIONS, AND LOAD REQUIREMENTS FOR FINAL ROUGH-IN. SEE ARCHITECT'S PLAN FOR ADDITIONAL REQUIREMENTS.

8.

STUB-OUT HEIGHTS SHALL BE MEASURED FROM THE FINISHED FLOOR, NOT FROM CURBS OR PADS, TO THE CENTERLINE OF THE STUB-OUT. STUB-OUTS SHALL EXTEND 4" BEYOND WALLS.

9.

HORIZONTAL PIPING AS EXTENDED FROM THE STUB-OUT SHALL BE INSTALLED NOT LESS THAN 6" ABOVE FINISHED FLOOR. HORIZONTAL PIPING SHALL BE BRACED AS REQUIRED WITH STANDOFFS THAT ALLOW FOR CLEANING ACCESS BETWEEN PIPING AND WALL.

10.

THE CONTRACTOR SHALL FURNISH AND INSTALL WALL AND FLOOR SLEEVES. FLOOR SLEEVES SHALL BE WATER TIGHT AND EXTEND 1" ABOVE FINISHED FLOOR SLEEVES THROUGH PADS AND CURBS TO BE FLUSH. SEAL SLEEVE OPENINGS WATERTIGHT.

11.

ALL FLOOR DRAINS SHALL BE BEST EQUAL TO THE FINISH FLOOR.

12.

ACCESSORIES INCLUDING FAUCETS, LEVER WASTE, VALVES ETC., UNLESS SPECIFIED OTHERWISE, SHALL BE SUPPLIED BY THE EQUIPMENT CONTRACTOR AND INSTALLED BY THE CONTRACTOR.

13.

GENERAL WATER PRESSURE IN THE FACILITY SHALL NOT EXCEED 50 PSI MAXIMUM. THE CONTRACTOR SHALL FURNISH AND INSTALL PRESSURE REDUCING VALVES AS REQUIRED AT THE MAIN ENTRANCE TO THE BUILDING.

14.

OIL INTERCEPTORS SHALL BE SIZED, LOCATED AND INSTALLED PER LOCAL CODES. OIL INTERCEPTOR SPECIFICATIONS SHALL BE VERIFIED AND COORDINATED WITH THE OWNER, DESIGN TEAM, GENERAL CONTRACTORS, AND EQUIPMENT CONTRACTORS.

15.

EXISTING PIPES MAY NEED MODIFICATION TO CLEAR NEW UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES PRIOR TO THE START OF WORK.

16.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, PERMITS, AND LICENSES FOR THE COMPLETE INSTALLATION OF HIS WORK.

17.

THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL LOCAL AND NATIONAL CODES.

18.

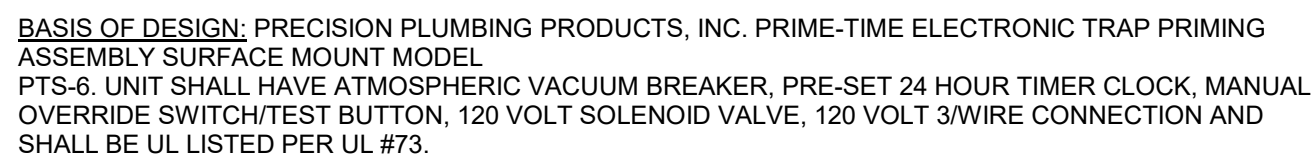
WORK INDICATED ON THESE DRAWINGS SHALL BE COORDINATED WITH WORK BY ALL OTHER TRADES.

19.

WHEN ROUGHING-IN, THE TRADES SHALL BE RESPONSIBLE FOR MAKING ALLOWANCES FOR VALVES, TRAPS, DISCONNECTS ETC.

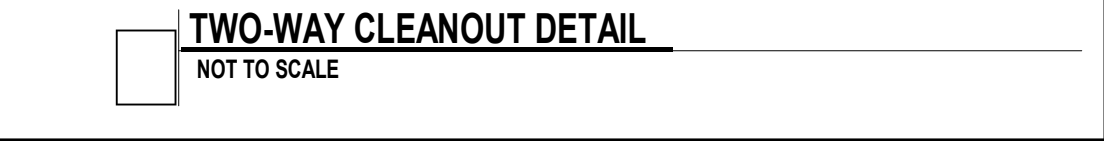
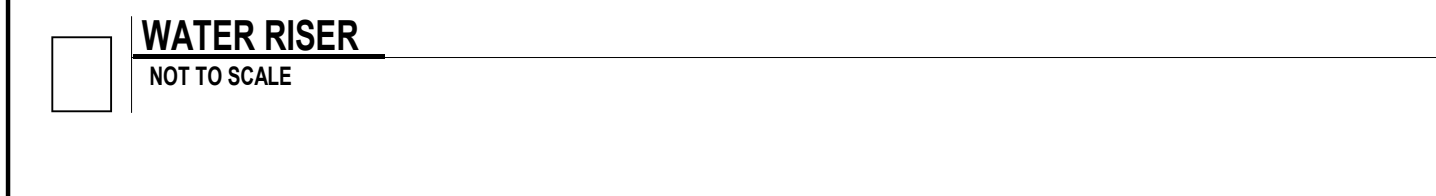
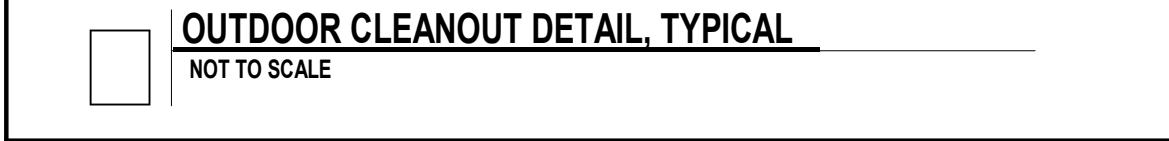
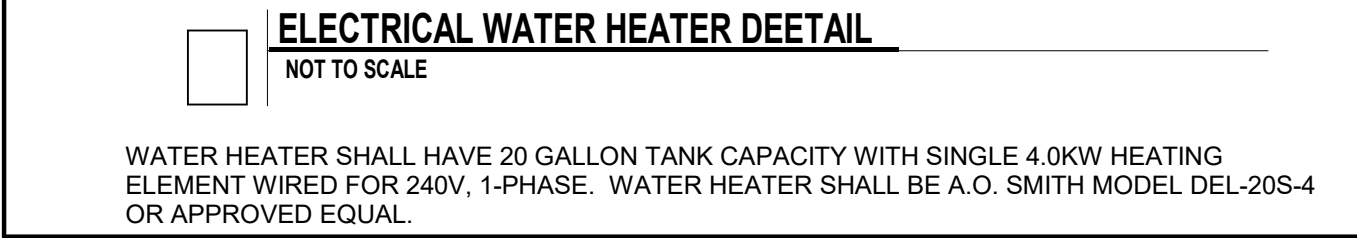
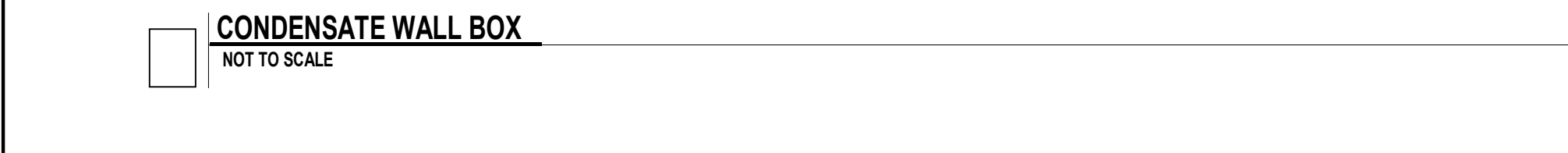
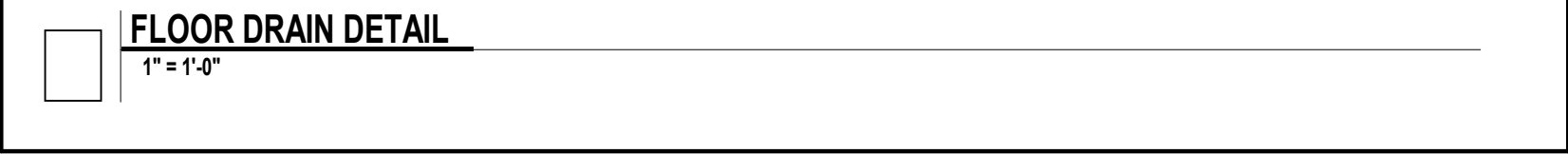
PLUMBING GENERAL NOTES	
1.	ALL PLUMBING FIXTURES, MATERIALS AND UNITS SHALL CONFORM TO APPLICABLE STANDARDS (ANSI/NSF, ASME, ASSE, ASTM, FS, UL, ETC.) AS REQUIRED IN THE LATEST LATEST APPLICABLE FLORIDA BUILDING CODE - PLUMBING, HENCEFORTH REFERRED TO AS THE PLUMBING CODE.
2.	ALL POTABLE (DOMESTIC) WATER PIPING (INCLUDING FITTINGS AND PIPING ACCESSORIES IN CONTACT WITH POTABLE WATER) AND MATERIALS THAT JOIN OR SEAL PIPING SHALL CONFORM TO ANSI/NSF 61. ALL PIPING, PLUMBING FITTINGS AND FIXTURES, SOLDER OR FLUX USED IN THE INSTALLATION OR REPAIR OF ANY POTABLE (DOMESTIC) WATER PIPING SHALL MEET THE 'LEAD FREE' REQUIREMENTS OF THE PLUMBING CODE.
3.	POTABLE (DOMESTIC) WATER PIPING SYSTEMS SHALL BE DISINFECTED IN ACCORDANCE WITH SECTION 610 OF THE PLUMBING CODE AND PROJECT SPECIFICATIONS.
4.	WHERE PVC PIPING IS ALLOWED, BY THE PROJECT DOCUMENTS, FOR POTABLE (DOMESTIC) WATER SYSTEMS, ALL SOLVENT CEMENTS AND PRIMERS USED TO JOIN AND SEAL PVC WATER PIPING MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/NSF 14, AS PER THE PLUMBING CODE.
5.	PIPING MATERIALS SHALL BE IN ACCORDANCE WITH THE PLUMBING CODE AND PROJECT SPECIFICATIONS.
6.	POST-INSTALLATION TESTING OF PIPING SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION 312 OF THE PLUMBING CODE AND THE PROJECT SPECIFICATIONS.
7.	PIPING INSTALLED UNDERGROUND SHALL BE INSTALLED PER REQUIREMENTS OF THE PLUMBING CODE AND THE PROJECT SPECIFICATIONS. GENERALLY UNDERGROUND PIPING SHALL BE INSTALLED WITH A MINIMUM OF 36 INCH COVER WHEREVER POSSIBLE, BUT IN NO CASE LESS THAN 12 INCH COVER.
8.	FLOOR DRAINS SHALL BE INSTALLED IN ALL PUBLIC TOILET ROOMS. UNLESS SPECIFICALLY INDICATED OTHERWISE, THE WATER SEAL OF EACH TOILET ROOM FLOOR DRAIN SHALL BE PROTECTED VIA TRAP PRIMER.
9.	FLOOR DRAINS IN MECHANICAL AND EQUIPMENT ROOMS SHALL BE PROTECTED VIA TRAP PRIMER.
10.	PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH THE PLUMBING CODE AND PROJECT SPECIFICATIONS.
11.	PLUMBING DRAINAGE PIPING SHALL BE INSTALLED TO MEET OR EXCEED PIPING SLOPES REQUIRED OF THE PLUMBING CODE AND THE PROJECT SPECIFICATIONS.
12.	CLEANOUTS SHALL BE PROVIDED IN PLUMBING DRAINAGE PIPING AT INTERVALS NOT EXCEEDING SECTION 708 OF THE PLUMBING CODE. ALSO, A CLEANOUT SHALL BE PROVIDED WITHIN 10 FEET OF THE DEVELOPED LENGTH OF EACH BUILDING DRAIN AND BUILDING SEWER JUNCTION, PER SECTION 708.1.3 OF THE PLUMBING CODE.
13.	LOCATE ALL VALVES IN ACCESSIBLE AREAS AS DEFINED BY THE PLUMBING CODE. PROVIDE A MINIMUM 12"x12" ACCESS PANEL WHERE NECESSARY.
14.	COORDINATE ACTUAL LOCATIONS OF MECHANICAL AND EQUIPMENT ROOM FLOOR DRAINS WITH THE FINAL EQUIPMENT LAYOUT PROVIDED BY THE EQUIPMENT MANUFACTURER SHOP DRAWINGS.
15.	VENT PIPING IS SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. COORDINATE EXACT LOCATIONS WITH FRESH AIR INTAKES AND ARCHITECT PRIOR TO INSTALLATION.
16.	PROVIDE WATER HAMMER ARRESTORS IN ALL DOMESTIC COLD AND HOT WATER PIPING AS REQUIRED BY THE PLUMBING CODE OR AS SHOWN ON DRAWINGS. INSTALL ARRESTORS IN ACCORDANCE WITH PDI-WH201 STANDARDS. AIR CHAMBERS SHALL NOT BE USED.
17.	PROVIDE INSULATION ON ALL DOMESTIC WATER PIPING INSTALLED IN AREAS WITHOUT HEATING, SUCH AS BUT NOT LIMITED TO, EXTERIOR WALLS AND EQUIPMENT ROOMS. PROVIDE INSULATION ON ALL HOT WATER PIPING. INSULATION THERMAL RESISTANCE SHALL BE IN ACCORDANCE WITH THE PLUMBING CODE.
18.	THE MANUFACTURERS OF FIXTURES AND EQUIPMENT SHOWN ON THE DRAWINGS ARE THE BASIS OF DESIGN AS WELL AS THE OWNER'S PREFERRED MANUFACTURER OF CHOICE. IF ANOTHER MANUFACTURER IS DESIRED TO BE USED, SUBMIT FORMAL APPROVAL THROUGH THE ARCHITECT.
19.	WHERE REQUIRED, PROVIDE FIRE CAULK AT PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES. PROVIDE SLEEVING FOR ALL PIPING AT THESE PENETRATIONS. REFER TO ARCHITECTURAL PLANS FOR PROPER IDENTIFICATION OF FIRE-RATED ASSEMBLIES.
20.	REFER TO ARCHITECTURAL DRAWINGS FOR ALL PLUMBING FIXTURE ROUGH-IN DIMENSIONS AND MOUNTING HEIGHTS.
21.	PRIOR TO BEGINNING ANY UNDERGROUND PIPING INSTALLATION, CONTRACTOR SHALL COORDINATE INVERT ELEVATIONS WITH STRUCTURAL FOOTINGS AND GRADE BEAMS, AND WITH THE CIVIL ENGINEER'S PIPING INVERTS.
22.	COORDINATE ALL BUILDING PIPING ELEVATIONS WITH OTHER TRADES.
23.	ALL SANITARY, WASTE, AND VENT PIPING SHALL BE SERVICE WEIGHT NO-HUB CAST IRON PIPE UNLESS ALLOWED OTHERWISE IN THE SPECIFICATIONS.
24.	ALL DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER UNLESS ALLOWED OTHERWISE IN THE SPECIFICATIONS.
25.	PROVIDE DIELECTRIC MATERIAL AT ALL PIPING HANGERS AND JOINTS WHERE DISSIMILAR MATERIALS COME INTO CONTACT.
26.	PROPERLY SUPPORT ALL PIPING AS PRESCRIBED IN THE PLUMBING CODE. PROVIDE LATERAL BRACING TO PREVENT SWAYING.
27.	THE DRAWING INTENT IS FOR A COMPLETE AND FULLY FUNCTIONAL PLUMBING SYSTEM INSTALLED IN ACCORDANCE WITH THE PLUMBING CODE. ALL FIXTURES, APPURTENANCES, AND MATERIALS HAVE BEEN PRESENTED ON THE DRAWINGS TO THE GREATEST EXTENT POSSIBLE FOR THE CONTRACTOR TO UNDERSTAND THE SCOPE OF WORK. THE CONTRACTOR IS EXPECTED TO HAVE A FULL UNDERSTANDING OF THE PLUMBING CODE AND WHERE REQUIRED, PROVIDE ANY ADDITIONAL FIXTURES, APPURTENANCES, AND MATERIALS NECESSARY TO PROVIDE THE FULLY FUNCTIONAL PLUMBING SYSTEM AS INTENDED BY THESE DRAWINGS. DRAWING INTENT AND SCOPE SHALL BE CLARIFIED BY THE CONTRACTOR PRIOR TO BID. ANY COST ASSOCIATED WITH MISINTERPRETATION OF THESE DRAWINGS SHALL BE BORNE BY THE CONTRACTOR.

WATER HAMMER SCHEDULE		
ARRESTOR SIZE (WHA)	WATER SUPPLY FIXTURE UNITS	PDI STD WH 201
1/2"	1-11	PDI-A
3/4"	12-32	PDI-B
1"	33-60	PDI-C
1-1/4"	61-133	PDI-D
1-1/2"	114-154	PDI-E
2"	155-330	PDI-F
NOTE: ALL ARRESTORS SHALL BE INSTALLED PER PDI (PLUMBING AND DRAINAGE INSTITUTE) STANDARD PDI-WH201 (2010) FOR SIZING AND PLACEMENT.		



ELECTRONIC TRAP PRIMER DETAIL

NOT TO SCALE



	<h2 style="text-align: center;">WATER PIPE SIZING TABLE</h2>
<p style="text-align: center;">UNLESS SHOWN OTHERWISE, DOMESTIC WATER LINES SHALL RUN CONCEALED OVERHEAD AS DESIGNATED IN PLUMBING FIXTURE SCHEDULE AND BE SIZED ACCORDING TO TABLE BELOW. PLANS AND RISER DO NOT NECESSARILY SHOW ALL PIPING RUNS. INSTALL A FACTORY WATER HAMMER ARRESTOR AT TOP OF EACH FIXTURE GROUP AND AT WATER HEATER.</p>	
NUMBER OF FIXTURES *	PIPE SIZE (IPS)
2 OR LESS	1/2"
3 TO 5	3/4"
6 TO 10	1"
11 TO 15	1-1/4"
16 TO 28	1-1/2"
<p style="text-align: center;">* FLUSH VALVE WATER CLOSET IS EQUIVALENT TO 6 FIXTURES</p>	