

PLUMBING NOTES

SCOPE: THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE THE DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTING A PROPOSAL. THE INFORMATION GIVEN HEREIN AND ON THE DRAWINGS IS AS EXACT AS COULD BE SECURED, BUT ITS EXTREME ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION GIVEN AS EXISTING CONDITIONS.

THE DRAWINGS ARE DIAGNOSTIC, INTENDED TO SHOW GENERAL ARRANGEMENT, CAPACITY AND LOCATION OF VARIOUS COMPONENTS, EQUIPMENTS, AND DEVICES.

ALL WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, AND LOCAL ORDINANCES. CONSULT AND COMPLY WITH REQUIREMENTS OF THE LOCAL UNIFORM CODES. INSTALLATION SHALL COMPLY WITH THE STANDARDS SET BY NFPA, ASPE, NEC AND UL.

IF WORK IS REQUIRED IN A MANNER TO MAKE IT IMPOSSIBLE TO PRODUCE FIRST CLASS WORK, OR SHOULD DISCREPANCIES APPEAR AMONG THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS AND THE MANUFACTURER'S FIELD REPRESENTATIVE'S RECOMMENDATIONS, THE CONTRACTOR SHALL REQUEST INTERPRETATION BEFORE PROCEEDING WITH WORK.

CONTRACTOR SHALL FURNISH AND INSTALL ALL MINOR ITEMS WHICH ARE OBVIOUSLY AND RESPONSIBLY NECESSARY TO COMPLETE THE INSTALLATION WHETHER OR NOT SPECIFIED IN THE DOCUMENTS.

COORDINATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS WORK FITTING IN PLACE AND SHALL COORDINATE WITH OTHER TRADES TO AVOID INTERFERENCE WITH THEIR WORK.

INSTALL ALL PLUMBING TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING. NO WATER OR DRAIN LINES PERMITTED OVER OR UNDER ELECTRICAL PANELS.

SERVICE AND PERMITS: CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND SHALL PAY FOR PERMITS.

SHOP DRAWINGS: EACH TRADE SHALL PREPARE AND SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH PROCEDURES OUTLINED IN DIVISION 1. RESPONSIBILITY FOR ERRORS OR OMISSIONS IN THE SUBMITTALS SHALL NOT BE RELIEVED BY THE ARCHITECT'S OR ENGINEER'S REVIEW. ENGINEER'S PROCESSING WILL NOT CONSTITUTE A COMPLETE CHECK, BUT WILL INDICATE ONLY THAT A GENERAL METHOD OF CONSTRUCTION AND DETAILING IS SATISFACTORY.

AS-BUILT DRAWINGS: DURING THE PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD SHALL SHOW CHANGES IN MANUFACTURER (WITH NUMBERS AND TRADE NAMES), MATERIALS, SIZES, LOCATIONS AND HOOK-UP POINTS. AS-BUILTS SHALL BE GIVEN TO OWNER'S CONSTRUCTION MANAGER AT COMPLETION OF JOB.

REQUIRED ACCESS: CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT AND DEVICES ARE ACCESSIBLE TO SERVICE AND REPAIR. SERVICE ACCESS SHALL BE MAINTAINED AND LOCATED TO ALLOW EASY ACCESS TO SERVICE SPACE FOR REMOVAL OF INTERNAL ASSEMBLIES, IF REQUIRED. CONTRACTOR SHALL PROVIDE ACCESS PANELS WHERE REQUIRED TO ALLOW ACCESS, EVEN IF NOT INDICATED ON THE DRAWINGS AT NO ADDITIONAL COST TO OWNER.

OPERATING AND MAINTENANCE DATA: SUBMIT THREE COPIES OF MANUFACTURER'S OPERATING AND MAINTENANCE INSTRUCTIONS AND SHAKE PARTS LIST FOR EACH PIECE OF EQUIPMENT.

VALVES: ALL VALVES SHALL HAVE A MINIMUM OF 125 PSIG WORKING PRESSURE. VALVES AND COCKS MAY NOT BE INDICATED IN EVERY INSTANCE ON THE DRAWINGS, BUT WHETHER OR NOT SHOWN, ALL VALVES, COCKS AND CHECK VALVES NECESSARY FOR THE PROPER OPERATION OF THE SYSTEM SHALL BE FURNISHED AND INSTALLED.

WATER PIPING: WATER PIPING SHALL BE CPVC TUBING. TUBING, FITTINGS AND CEMENT SHALL MEET ASTM D-2846, 100 PS @ 180°F CONTINUOUS RATING. CPVC TUBING AND FITTINGS SHALL MEET 25/50 FLAME SPREAD/SMOKE DEVELOPED REQUIREMENTS FOR PLENUMS. CONTRACTOR SHALL INSTALL CPVC IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL PROVIDE FOR EXPANSION AND CONTRACTION OF PIPING BY PROVIDING EXPANSION JOINTS AND SLACK. CONCRETE SLABS OR WALLS: CPVC TUBING SHALL BE BICOODRICH FLOWGUARD COLD OR APPROVED EQUAL.

SANITARY, STORM, DRAIN AND VENT PIPING: ALL BURIED AND UNBURIED PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC-DWV. THE GRADE SEWER PIPE SHALL BE HEAVY DUTY SCHEDULE 40 PAVE AND PAINTED WITH RED PAINT.

SLOPE OF SANITARY OR DRAINAGE PIPING 2-1/2" AND SMALLER SHALL BE A MINIMUM OF 1/4" PER FOOT; PIPING 3" AND LARGER SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT.

CLEANOUTS: CLEANOUTS WILL BE LOCATED NOT MORE THAN 100 FEET APART AND AT LEAST ONE CLEANOUT SHALL BE INSTALLED AT BASE OF EACH STACK. CLEANOUTS SHALL HAVE CAST BRASS CHROMIUM PLATED FLAT ACCESS COVER PLATE.

STERILIZATION OF DOMESTIC WATER SYSTEMS: THE DOMESTIC WATER DISTRIBUTION SYSTEM SHALL BE THOROUGHLY STERILIZED AS REQUIRED BY THE HEALTH AUTHORITY BEFORE USE. THE STERILIZATION PROCEDURE DESCRIBED IN EITHER AWWA C651 OR AWWA C652, OR AS DESCRIBED IN SECTION 610 FBC-P.

FLOOR DRAIN AND FLOOR SINK: FLOOR DRAINS SHALL BE CAST IRON AND ADJUSTABLE TO ACCOMMODATE THE FINISHED FLOOR. FLOOR DRAINS SHALL BE ADJUSTABLE WITH RAISED BOSS AND TRAP PRIMER CONNECTION AND FLASHING FLANGE OR CLAMP.

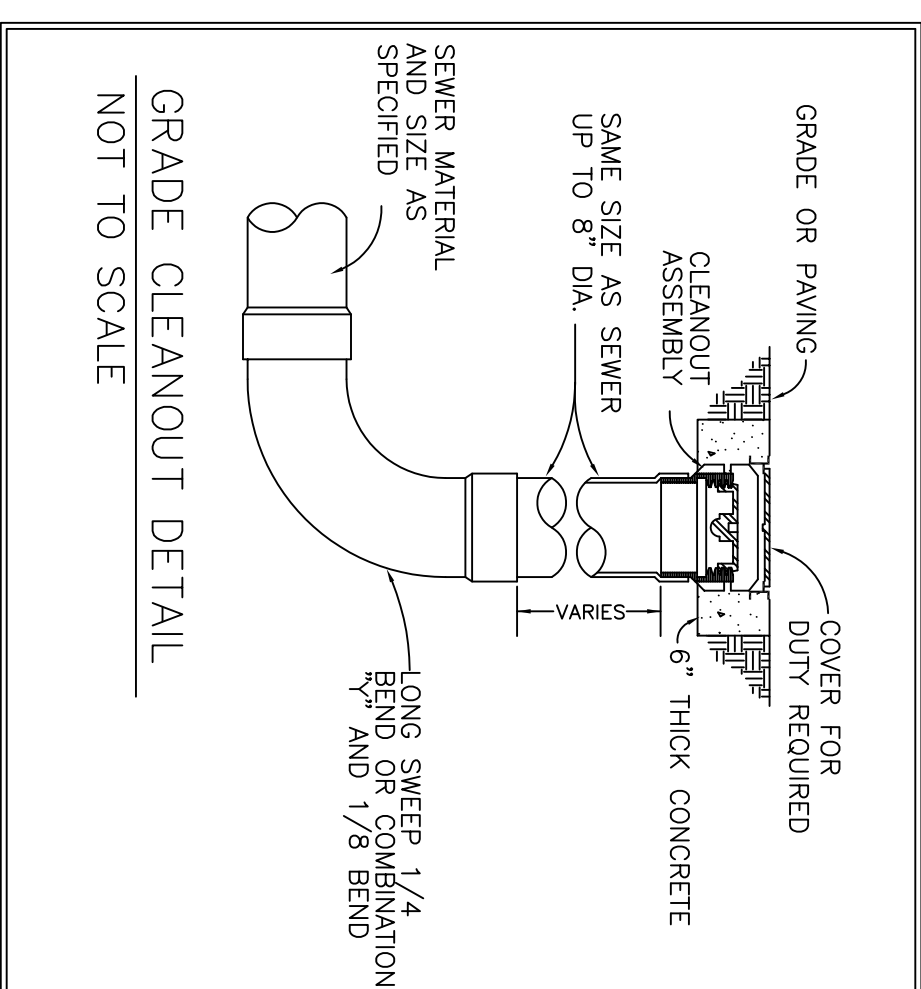
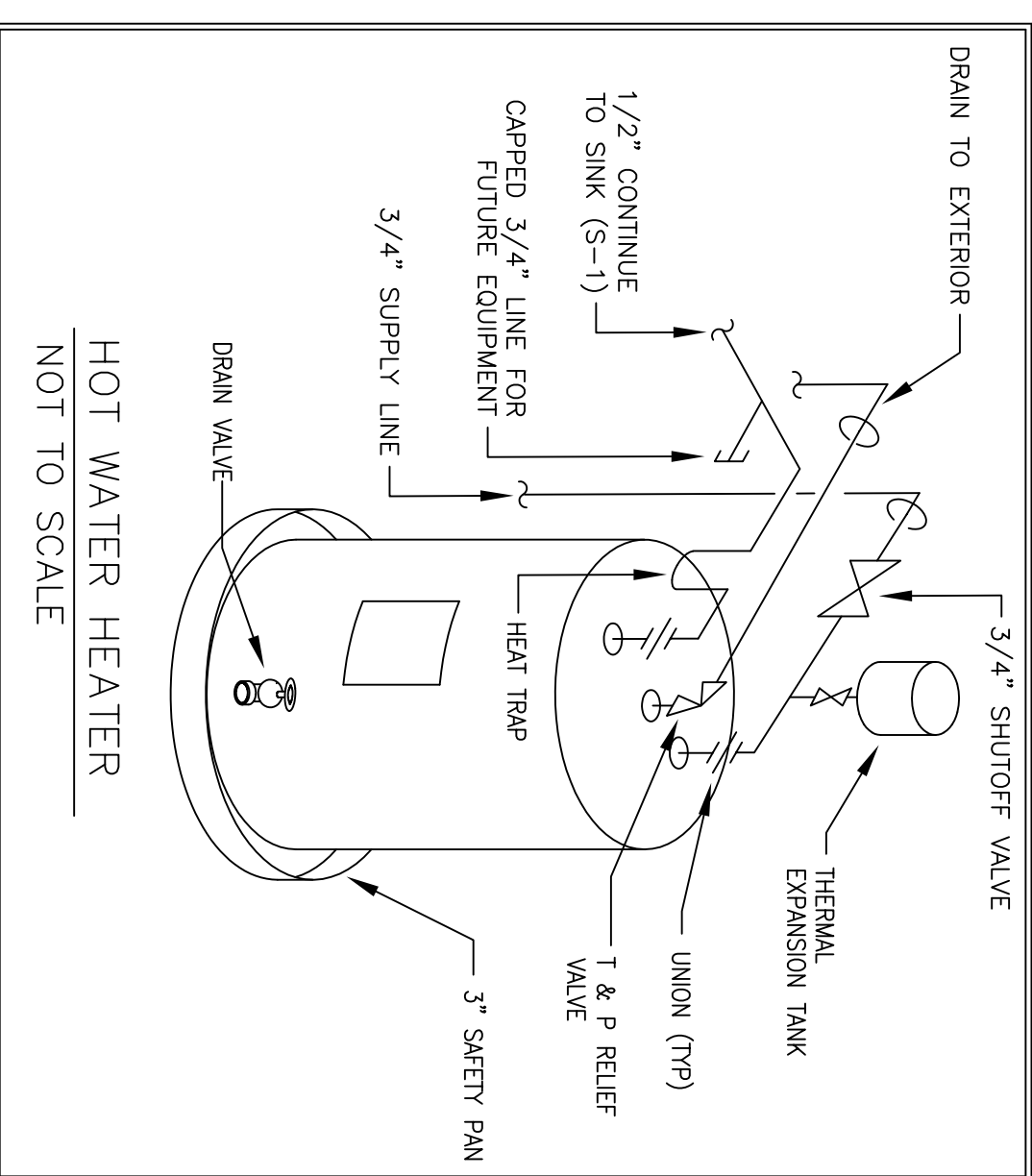
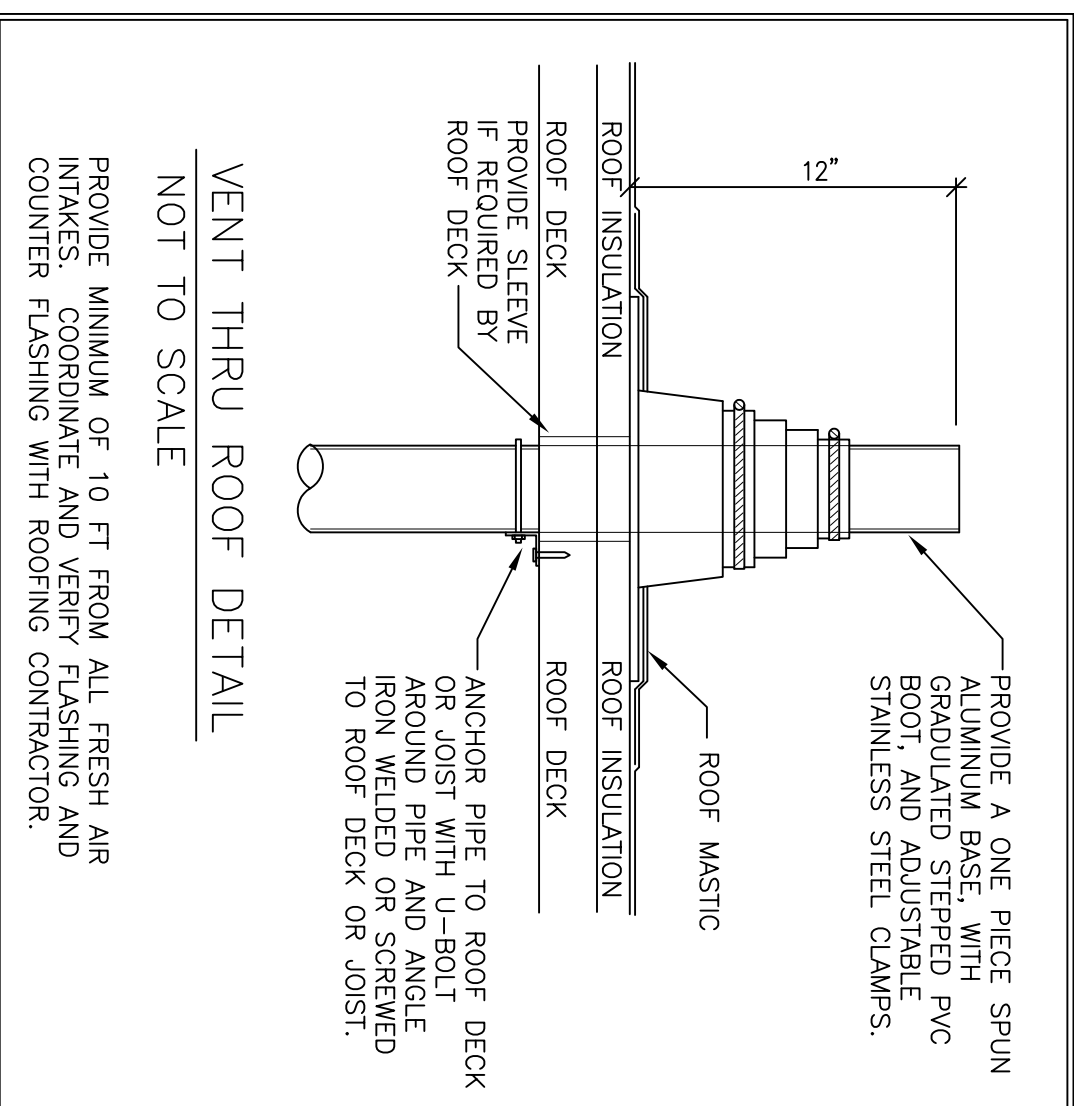
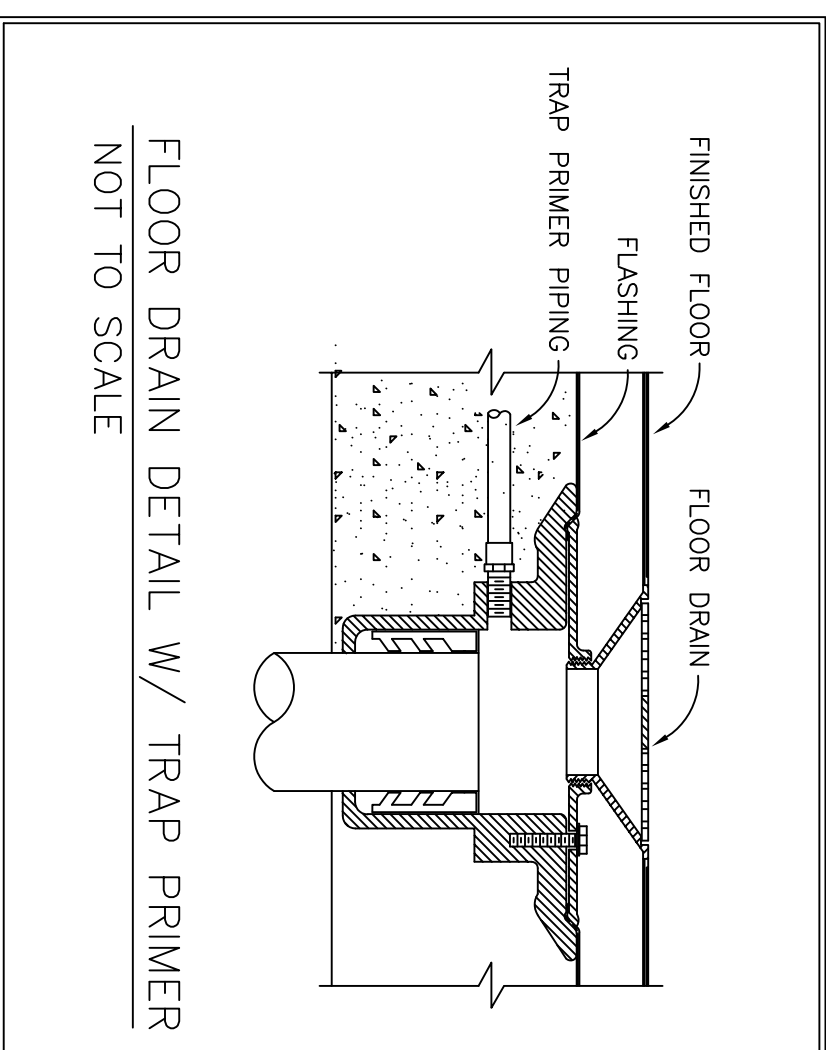
HOT WATER HEATERS (ELECTRIC): HOT WATER HEATERS (ELECTRIC): HOT WATER HEATER SHALL BE UL CERTIFIED AND INSTALLED PER MFG INSTRUCTIONS. PROVIDE EXPANSION TANK, SAFETY PAN, TAP VALVE, AND ISOLATION VALVES.

PLUMBING FIXTURES AND TRAP: PLUMBING FIXTURES SHALL BE FURNISHED AND INSTALLED IN A NEAT AND WORKMANLIKE MANNER WITH PROPER CONNECTIONS TO SUPPLY AND DRAINAGE PIPING. ALL FIXTURES SHALL BE FREE OF FLAWS AND DEFECTS OF ANY SORT IN MATERIAL AND WORKMANSHIP AND SHALL OPERATE PERFECTLY WHEN INSTALLED IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. CONTRACTOR SHALL PROVIDE ROUGH-IN, AND SHALL CONNECT ALL FIXTURES TO THE MAIN WATER SUPPLY. PROVIDE CONCEALED ARM CARRIERS AND SUPPORTS FOR ALL FIXTURES REQUIRING SAME.

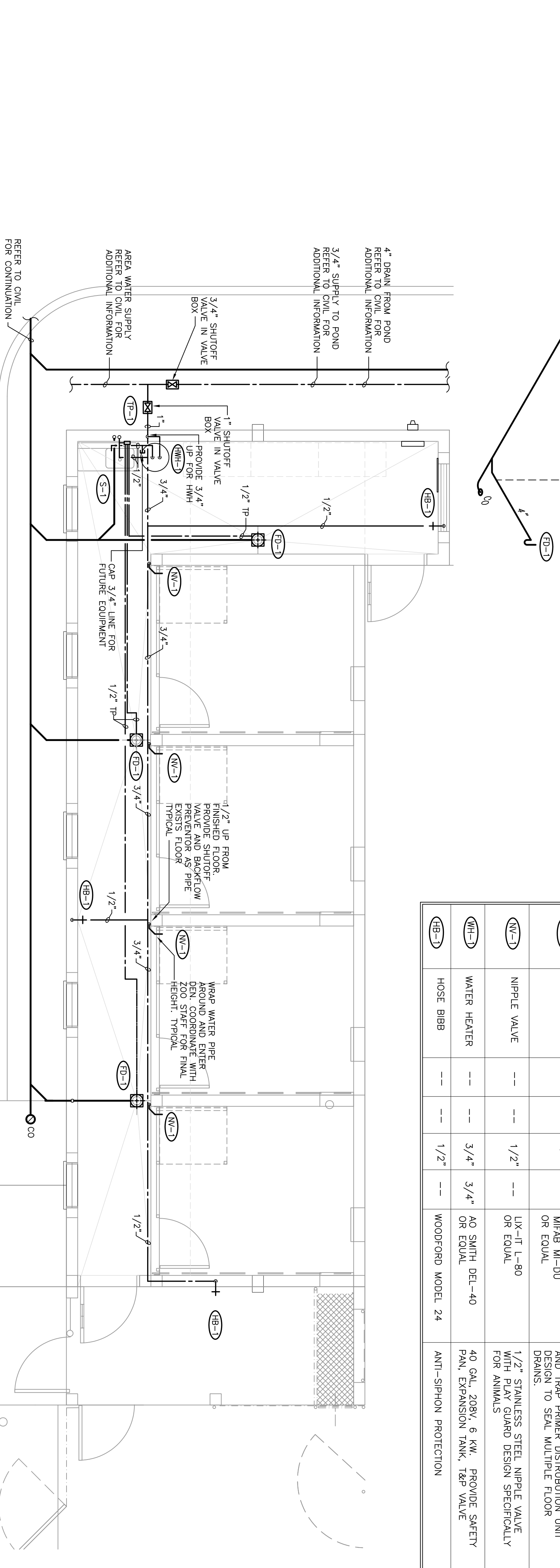
TESTING: TEST ALL WASTE AND VENT PIPING FOR A PERIOD OF NOT LESS THAN 8 HOURS BY CAPPING OR PLUGGING ALL JOINTS TO A LEVEL OF THE HIGHEST FUTURE OR FITTINGS, FILLING THE SYSTEM WITH WATER, AND OBSERVING FOR LEAKS. TEST UNDERGROUND SECTION OF PIPE WITH A RISER TO ACHIEVE THE PRESSURE EQUIVALENT TO THE HIGHEST FIXTURE OR FITTING.

TEST WATER PIPING AT 100 PSIG FOR A PERIOD OF 8 HOURS, OBSERVING FOR ANY VISIBLE LEAKS. TEST PIPING AGAIN WITH FIXTURES INSTALLED.

REPAIR ANY LEAKS FOUND BY REMAINING JOINT. DO NOT USE CAULKING OR SIMILAR METHODS TO CORRECT LEAKS. UPON REPAIRING ANY LEAKS FOUND, AGAIN TEST THAT PORTION OF THE SYSTEM AS DESCRIBED ABOVE.



MARK	FIXTURE	BRANCH SIZE			MANUFACTURER /MODEL	REMARKS
		WASTE	VENT	COLD		
SE-1	SINK	3"	2"	1/2"	1/2"	ELKAY 141C18A20L18 COMPARTMENT SINK. PROVIDE LEFT SIDE DRAINBOARD. CHROME PLATED BACK MOUNTED MIXING FAUCET WITH HIGH SHINE GOOSENECK AND LEVER HANDLES CAST IRON BODY, 6" DIAMETER BRONZE ADJUSTABLE STRAINER. PROVIDE 4" DEEP TRAP AND TRAP PRIMER.
FD-1	FLOOR DRAIN	3"	--	--	--	ZURN Z-415 OR EQUAL
TR-1	TRAP PRIMER	--	1/2"	--	--	MIFAB MZ-500 MIFAB M-DU OR EQUAL
NP-1	NIPPLE VALVE	--	1/2"	--	--	UX-IT L-80 OR EQUAL
WH-1	WATER HEATER	--	3/4"	3/4"	3/4"	40 GAL. 200V & 8 RV. PROVIDE SAFETY PAN, EXPANSION TANK, TAP VALVE
HB-1	HOSE BIBB	--	1/2"	--	--	WOODFORD MODEL 24 ANTI-SIPHON PROTECTION



1 PLUMBING PLAN SCALE: 1/4" = 1'-0"

SYMBOL	DESCRIPTION
--- (dashed line)	SANITARY DRAIN
--- (dotted line)	VENT
--- (solid line)	COLD WATER SUPPLY
--- (solid line)	HOT WATER SUPPLY
--- (solid line)	PLUMBING VALVE
--- (solid line)	FLOOR DRAIN

ABBREVIATION	DESCRIPTION
CO	CLEANOUT
CWS	COLD WATER SUPPLY
(E)	EXISTING
FWS	FILTERED WATER SUPPLY
FD	FLOOR DRAIN
FS	FLOOR SINK
HB	HOSE BIBB
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
SAV	SANITARY
V	VENT THRU ROOF
VCO	WALL CLEAN OUT

FOR REVIEW

NOT FOR CONSTRUCTION
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<p>SHEET CONTENT :</p> <p>PLUMBING PLAN</p>	<p>PROJECT NAME :</p> <p>TENANT PATAS MONKEY EXHIBIT FOR: LOWRY PARK ZOO SLIGH AVENUE, TAMPA, FLORIDA</p>	<p>GARCIA SEUFERT ARCHITECT, INC. ARCHITECTURAL DESIGN SERVICES 121 W. 122nd Ave TAMPA, FL 33612 PHONE 813-915-8300 FAX 813-915-0168 FL REGISTRATION # AA26000767</p>
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<p>MATTHEW D. LEWIS, PE FL REG 56189</p>	<p>REVISIONS</p> <p>1 2/22/10 2 REVISIONS 3/20/10 3</p>	<p>JOB NO : 09-104</p> <p>ISSUE DATE : 12 APR 2010</p> <p>ISSUE DATE : 12 APR 2010</p>	<p>DATE: 2/22/10</p> <p>REVISIONS: 2/22/10</p> <p>DATE: 3/20/10</p> <p>REVISIONS: 3/20/10</p>
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