

PLUMBING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
CD	- ABOVE GROUND CONDENSATE DRAIN
CD	- BELOW GROUND CONDENSATE DRAIN
---	- DOMESTIC COLD WATER
---	- DOMESTIC HOT WATER
---	- DOMESTIC HOT WATER RECIRCULATING
GR	- KITCHEN WASTE (GREASE)
S	- ABOVE GROUND SANITARY
S	- BELOW GROUND SANITARY
---	- SANITARY VENT
ST	- ABOVE GROUND STORM
ST	- BELOW GROUND STORM
STO	- OVERFLOW STORM DRAIN
(M)	- WATER METER
+C	- HOSE BIBB OR WALL HYDRANT
CO II	- CLEAN OUT PLUG
CO I	- WALL CLEANOUT
CO	- FLOOR CLEAN OUT
FD	- FLOOR DRAIN
(O)	- ROOF DRAIN
FS	- FLOOR SINK
⊗	- SHUT-OFF VALVE IN VALVE BOX
⊗	- SHUTOFF VALVE
⊗	- BALL VALVE
⊗	- CALIBRATED BALANCING VALVE
⊗	- CHECK VALVE (SWING)
⊗	- PRESSURE REDUCING VALVE
⊗	- SOLENOID OPERATED VALVE
⊗	- REDUCED PRESSURE BACKFLOW PREVENTER
⊗	- RELIEF OR SAFETY VALVE
⊗	- GAS COCK
⊗	- GAS PRESSURE REGULATOR
⊗	- SHUTOFF VALVE ON RISER
⊗	- GAS COCK ON RISER
⊗	- CONNECTION, TOP
⊗	- CONNECTION, BOTTOM
⊗	- ELBOW, TURNED DOWN
⊗	- ELBOW, TURNED UP
⊗	- TEE, TURNED UP
⊗	- TEE, TURNED DOWN
⊗	- CAP
⊗	- DIRECTION OF FLOW
⊗	- REVISION REFERENCE
⊗	- DETAIL REFERENCE- TOP-DETAIL#, BOTTOM-DRAWING# SHOWN ON
⊗	- NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT

PLUMBING ABBREVIATIONS	
SYMBOL	DESCRIPTION
CA	- COMPRESSED AIR
AFF	- ABOVE FINISH FLOOR
CB	- CATCH BASIN
CD	- CONDENSATE DRAIN
CFH	- CUBIC FEET PER HOUR
CO	- CLEANOUT
CONT	- CONTINUATION
DCW	- DOMESTIC COLD WATER
DCW(P)	- DOMESTIC COLD WATER PUMPED
DN	- DOWN
DS	- DOWNSPOUT
DWG	- DRAWING
EXIST	- EXISTING
F	- DEGREE FAHRENHEIT
FOO	- FLOOR CLEANOUT
FD	- FLOOR DRAIN
FS	- FLOOR SINK
G	- GAS
GPH	- GALLONS PER HOUR
GP	- GALLONS PER MINUTE
GR	- KITCHEN WASTE (GREASE)
HB	- HOSE BIBB
HD	- HUB DRAIN
DHW	- DOMESTIC HOT WATER
HWR	- DOMESTIC HOT WATER RECIRCULATING
IE	- INVERT ELEVATION
IW	- INDIRECT WASTE
KW	- KILOWATT
LBS	- POUNDS
MH	- MANHOLE
NC	- NORMALLY CLOSED
NIC	- NOT IN CONTRACT
NO	- NORMALLY OPEN
NPW	- NON-POTABLE WATER (RECLAIMED WATER)
NPW(P)	- NON-POTABLE WATER PUMPED
NTS	- NOT TO SCALE
OD	- OUTSIDE DIAMETER
PRV	- PRESSURE REDUCING VALVE
PSI	- POUNDS PER SQUARE INCH
PVC	- POLYVINYL CHLORIDE PIPE
RD	- ROOF DRAIN
RPBP	- REDUCED PRESSURE BACKFLOW PREVENTOR
SAN	- SANITARY
SD	- STORM DRAIN
SF	- SQUARE FEET
SH	- SHEET
ST	- STORM
STO	- OVERFLOW STORM DRAIN
SW	- SOFT COLD WATER
V	- VENT
VTR	- VENT THRU ROOF
WCO	- WALL CLEANOUT
WTR	- WATER

GENERAL NOTES

- REFERENCE THE SPECIFICATIONS FOR MATERIAL AND EQUIPMENT INSTALLATION STANDARDS.
- THE PLUMBING INSTALLATION SHALL COMPLY WITH ALL STATE AND LOCAL CODES.
- UTILITIES AND SERVICES INDICATED ARE TAKEN FROM VARIOUS OLD AND NEW SURVEYS, AS-BUILT RECORDS AND FIELD INVESTIGATIONS. UNPREDSEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON DRAWINGS. COOPERATION WITH OTHER TRADES IN ROUTING AND BURIAL DEPTHS, AS DETERMINED DURING CONSTRUCTION, WILL BE NECESSARY.
- PLANS ARE NOT COMPLETELY TO SCALE. PIPE ROUTING SHOWN IS SCHEMATIC AND IS NOT INTENDED TO INDICATE EXACT ROUTING. CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES. VERIFY STRUCTURAL, MECHANICAL, AND ELECTRICAL INSTALLATIONS AND OTHER POTENTIAL OBSTRUCTIONS AND ROUTE PIPING TO AVOID INTERFERENCES.
- PROVIDE ALL OFFSETS AND FITTINGS AND MAKE CONNECTION TO SITE UTILITIES.
- CONCEAL PIPING ABOVE CEILINGS, WITHIN WALLS OR CHASES EXCEPT IN MECHANICAL ROOMS OR AS SPECIFICALLY NOTED.
- PROVIDE ACCESS PANELS FOR ALL VALVES CONCEALED IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS.
- SLEEVE AND/OR FIRESTOP ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS, AND FLOORS WITH UL LISTED ASSEMBLIES. FIRESTOP ASSEMBLIES SHALL BE EQUAL TO OR EXCEED THE RATING OF THE WALL, CEILING OR FLOOR. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
- FLASH AND COUNTER-FLASH ROOF PENETRATIONS.
- WHEN BEAM SLEEVE PENETRATIONS ARE NECESSARY, COORDINATE PENETRATIONS WITH ALL TRADES, THE ARCHITECT AND THE STRUCTURAL ENGINEER.
- PROVIDE FOUNDATION PAD PENETRATION SLEEVES. ALLOW 1" MINIMUM CLEARANCE BETWEEN SLEEVE INSIDE SURFACE AND PIPE EXTERIOR.
- SEE ARCHITECTURAL DRAWINGS FOR FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
- PROVIDE AUTOMATIC TRAP PRIMERS FOR FLOOR DRAIN TRAP SEALS.
- PROVIDE AN AIR GAP, WHEN REQUIRED BY CODE, SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES AND APPARATUS.
- ALL EXPOSED PIPE AND FITTINGS IN FINISHED AREAS SHALL BE CHROME PLATED.
- MOUNT HOSE BIBBS 24" ABOVE FINISHED GRADE.
- PROVIDE CLEANOUTS IN ACCORDANCE WITH ALL STATE AND LOCAL CODES. INSTALL CLEANOUT WITH COVER FLUSH TO FINISH SURFACE.
- COORDINATE EXACT FLOOR DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS. SET FLOOR DRAINS BELOW FINISHED FLOOR TO ALLOW FOR FLOOR SLOPING TO THE DRAIN.
- COORDINATE PIPING WITH ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMERS, ETC.) PRIOR TO ANY INSTALLATION. DO NOT ROUTE ANY PIPING OVER ANY ELECTRICAL PANELS UNDER ANY CIRCUMSTANCES. ANY PIPING RUN OVER PANELS SHALL BE RE-ROUTED AT NO ADDITIONAL COST.
- ALL WALL MOUNTED LAVATORIES SHALL BE ATTACHED TO FLOOR MOUNTED CARRIER DESIGNED TO WITHSTAND A VERTICAL LOAD OF 250 POUNDS ON THE FRONT OF THE FIXTURE.
- PROVIDE SANITARY WASTE, VENT, DOMESTIC WATER, ETC. ROUGH-IN AND MAKE FINAL CONNECTIONS (TO INCLUDE PROVIDING ALL NECESSARY RELATED STOPS, VALVES, TRAPS, ETC. AND MAKE READY FOR USE) TO ALL EQUIPMENT, WHETHER FURNISHED BY THIS CONTRACTOR OR FURNISHED BY OTHERS.

PLUMBING FIXTURE SCHEDULE

(WC-1) FLOOR MOUNTED ACCESSIBLE WATER CLOSET
 VITREOUS CHINA, 1.28 GALLON, FLOOR MOUNTED, SIPHON JET, ELONGATED CLOSET BOWL WITH 1-1/2" TOP SPUD.
 1.28 GALLON CHROME PLATED TRIP LEVER (EXPOSED), 1-INCH I.P.S. SCREW DRIVER ANGLE STOP WITH PROTECTIVE CAP, ADJUSTABLE TAILPIECE, VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 1-1/2" TOP SPUD, DIE CAST WALL FLANGE WITH SET SCREW, SPUD FLANGE, SOLID RING PIPE SUPPORT AND ADA HANDLE.
 SEAT SHALL BE EXTRA HEAVY SOLID PLASTIC WITH STAINLESS STEEL SELF SUSTAINING CHECK HINGE, OPEN FRONT LESS COVER.
NOTE: TRIP LEVER HANDLE SHALL FACE WIDE SIDE OF STALL.
BASIS OF DESIGN (CONFIRM FINAL SELECTIONS W/ ARCHITECT)
 CHINA - TOTO - CST744EL
 SEAT - TOTO - SC534 (COMMERCIAL SEAT)

(L-1) SELF-RIMMING LAVATORY
 VITREOUS CHINA LAVATORY, 20" X 17" OVAL, PUNCHED FOR 4" CENTERSET FITTING.
 4" CENTERSET CHROME PLATED BRASS FAUCET, VANDAL RESISTANT 0.5 GPM FLOW REGULATOR, CHROME PLATED WRISTBLADE HANDLES WITH HOT AND COLD WATER CODED INDEXES.
 CHROME PLATED STRAINER, CAST GRID STRAINER WITH 1-1/4" TAILPIECE, PLATED 17 GAUGE 1-1/4" X 1-1/2" BRASS P-TRAP WITH CLEANOUT.
 1/2" COMPRESSION X 3/8" COMPRESSION CHROME PLATED ANGLE SUPPLY STOPS WITH CHROME PLATED 1/2" FLEXIBLE RISERS AND ESCUTCHEONS.
BASIS OF DESIGN
 CHINA - TOTO - LT4014
 FAUCET - T&S BRASS - 8900-VF05
 STRAINER/TRAP - MCGUIRE - 155A/8902
 SUPPLIES - MCGUIRE - 2165CC

(L-2) WALL HUNG LAVATORY
 VITREOUS CHINA LAVATORY, 20 7/8" X 18" WITH BACK SPLASH, PUNCHED FOR 8" CENTERSET FITTING.
 8" CENTERSET CHROME PLATED BRASS FAUCET, VANDAL RESISTANT 1.5 GPM FLOW REGULATOR, CHROME PLATED WRISTBLADE HANDLES WITH HOT AND COLD WATER CODED INDEXES.
 CHROME PLATED STRAINER, CAST GRID STRAINER WITH 1-1/4" TAILPIECE, PLATED 17 GAUGE 1-1/4" X 1-1/2" BRASS P-TRAP WITH CLEANOUT.
 1/2" COMPRESSION X 3/8" COMPRESSION CHROME PLATED ANGLE SUPPLY STOPS WITH CHROME PLATED 1/2" FLEXIBLE RISERS AND ESCUTCHEONS.
BASIS OF DESIGN
 CHINA - TOTO - LT307.8
 FAUCET - TOTO - TL800D/LQ
 STRAINER/TRAP - MCGUIRE - 155A/8902
 SUPPLIES - MCGUIRE - 2165CC

(S-1) SINK
 SINGLE COMPARTMENT SELF RIMMING SINK CONSTRUCTED OF TYPE 304 18-8 STAINLESS STEEL 31" X 22" X 7-1/2" DEEP. INTERIOR AND TOP SURFACES SHALL BE POLISHED TO A HIGH LUSTER FINISH. PROVIDE SINK WITH CRUMB CUP STRAINER.
 SINGLE HOLE CHROME PLATED BRASS FAUCET, TOUGH CONTROL FLOW REGULATOR, SINGLE LEVER HANDLE AND PULL OUT SPOUT.
 1/2" COMPRESSION X 3/8" COMPRESSION CHROME PLATED ANGLE SUPPLY STOPS WITH CHROME PLATED 1/2" FLEXIBLE RISERS AND ESCUTCHEONS.
 CHROME PLATED 17 GAUGE 1-1/2" X 1-1/2" P-TRAP WITH CLEANOUT.
BASIS OF DESIGN
 SINK - ELKAY - LR-3122
 FAUCET - SLOAN - SF-2150-4-BDM
 SUPPLIES - MCGUIRE - 2165CC
 TRAP - MCGUIRE - 8912

(EWC-1) ACCESSIBLE ELECTRIC WATER COOLER
 TYPE 304 STAINLESS STEEL DRINKING FOUNTAIN POLISHED TO A #4 SATIN FINISH WITH SINGLE RECEPTOR, SELF CLOSING FRONT MOUNTED PUSH BUTTON TYPE BUBBLERS, STRAINER AND TAILPIECE. FULLY RECESSED REFRIGERANT CHILLER UNIT CAPABLE OF 8 GPH OF 50°F AT AN AMBIENT TEMPERATURE OF 90°F. ELECTRICAL CHARACTERISTICS - 115V AC, 60HZ, SINGLE PHASE.
 WATERSENTRY VII FILTER WITH 1,500 GALLON CAPACITY TO REMOVE CYSTS, LEAD AND CHLORINE.
 CHROME PLATED 17 GAUGE 1-1/4 X 1-1/2 BRASS P-TRAP WITH CLEANOUT.
 3/8 INCH I.P.S. CHROME PLATED SUPPLY WITH LOOSE KEY STRAIGHT STOP AND WALL FLANGE.
BASIS OF DESIGN
 FOUNTAIN - ELKAY - LR9PM28K
 TRAP - MCGUIRE - 8902
 SUPPLY - MCGUIRE - 158LK

(FD-1) FLOOR DRAIN
 COATED CAST IRON BODY WITH BOTTOM OUTLET. COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE TYPE "M" NICKEL BRONZE STRAINER, 6" SQUARE TOP, TAPPED FOR TRAP PRIMER CONNECTION, VANDAL PROOF.
BASIS OF DESIGN
 WATTS - FD100-M6-7-6

(SH-1) SHOWER - ADA
 ANTI-SCALD BALANCED PRESSURE CONCEALED SHOWER VALVE WITH STAINLESS STEEL BALANCING PISTON, VOLUME CONTROL, INTEGRAL SERVICE STOPS, INTEGRAL BI-METAL THERMOMETER WITH STAINLESS STEEL COMPONENTS MOUNTED IN SHATTERPROOF CASE AND ALL METAL CHROME PLATED TRIM.
 HAND SPRAY UNIT ON 30" WALL MOUNTED ADJUSTING BAR, FLEXIBLE METAL HOSE WITH WALL CONNECTION AND INTEGRAL IN-LINE VACUUM BREAKER, SHOWERHEAD WITH MAX. 2.0 GPM FLOW REGULATOR.
 FIXED HEIGHT ADJUSTABLE SPRAY SHOWER HEAD ATTACHED TO WALL BRACKET, WALL MOUNTED DIVERTER, DOUBLE OUTLET WITH VOLUME CONTROL FOR SHOWER HEAD AND HAND SPRAY.
 COATED CAST IRON BODY WITH BOTTOM OUTLET. COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH 5" SQUARE TOP, NICKEL BRONZE STRAINER.
BASIS OF DESIGN
 VALVE AND SHOWER HEAD SYSTEM-TOTO - TS112BL8
 SHOWER STALL DRAIN - WATTS - FD100-M5
 RAINSHOWER WITH MATCHING CONTROLLER
 SUBMIT SHOWER FOR OWNER APPROVAL

(FCO) FLOOR CLEANOUT
 DURO-COATED CAST IRON CLEANOUT WITH MEMBRANE FLANGE WITH CADMIUM PLATED CAST IRON COUNTERSUNK PLUG. ADJUSTABLE HEAVY DUTY ROUND SCORIATED NICKEL BRONZE TOP
BASIS OF DESIGN
 FLOOR - ZURN - ZN-1400

(CO) CLEANOUT
 DURA-COATED CAST IRON BODY CLEANOUT TEE, WITH GAS AND WATERTIGHT TAPERED THREAD PLUG AND SQUARE, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.
BASIS OF DESIGN
 ZURN - Z-1447

(SA-1) SHOCK ARRESTER
 PISTON OPERATED, TYPE "C" COPPER BARREL WITH BRASS THREADED ADAPTOR. ALL JOINTS SHALL BE MADE WITH 95-5 LEAD FREE SOLDER. THE PISTON SHALL BE EQUIPPED WITH TWO (2) "O" RINGS TO PROVIDE A PERMANENT MECHANICAL BARRIER BETWEEN FLUID AND PRE-LOAD AIR CHARGE. ARRESTORS MAY BE INSTALLED IN VERTICAL AND HORIZONTAL POSITION.
THE ARRESTOR SHALL BE FULLY GUARANTEED FOR ENTIRE SYSTEM LIFE.
NOTE:
 SHOCK ARRESTORS SHALL BE PROVIDED AT ALL FIXTURES AND BATTERIES OF FIXTURES WHETHER OR NOT THEY ARE SHOWN ON THE DRAWINGS.
BASIS OF DESIGN
 PRECISION PLUMBING PRODUCTS - SC SERIES

(TP-1) AUTOMATIC TRAP PRIMER VALVE
 MACHINED OF CORROSION RESISTANT BRASS SHALL NOT CONTAIN SPRINGS OR DIAPHRAGMS, "O" RING SEALS TESTED FOR RELIABILITY BETWEEN -40 TO 4500 F. INLET OPENING SHALL BE 1/2-INCH MALE NPT, OUTLET SHALL BE 1/2-INCH FEMALE NPT.
 TRAP PRIMER OPERATES VIA LINE PRESSURE DROP AND DOES NOT NEED TO BE PLACED NEAR A FIXTURE.
BASIS OF DESIGN
 PRECISION PLUMBING PRODUCTS

(HB-1) HOSE BIBB
 CHROME PLATED BRASS HOSE BIBB, VACUUM BREAKER BACKFLOW PREVENTER, POLISHED BRASS BOX, 3/4" FEMALE PIPE, THREAD CONNECTION AND WHEEL HANDLE.
BASIS OF DESIGN
 WOODFORD B24-34"

(CD-1) CONDENSATE FLOOR SINK
 8" X 8" X 6" DEEP, CAST IRON BODY WITH ACID RESISTING PORECELAIN ENAMEL INTERIOR, ALUMINUM ANTI-SPLASH INTERIOR BOTTOM DOME STRAINER AND NICKEL BRONZE TOP.
BASIS OF DESIGN
 ZURN - Z-1910-T

SPECIFICATIONS:

<p>1. GENERAL</p> <p>A. PROVIDE LABOR AND MATERIALS TO PROVIDE A COMPLETE AND OPERATIONAL PLUMBING SYSTEM AS INDICATED. DRAWING PACKAGE BY LAB CONSULTANTS, MECHANICAL AND ELECTRICAL ENGINEERS SHALL BE CONSIDERED PART OF THESE PROJECT DOCUMENTS.</p> <p>B. ALL WORK SHALL COMPLY WITH THE RULES AND REGULATIONS AS STATED BELOW: FLORIDA BUILDING CODE 2007 FLORIDA PLUMBING CODE 2007</p> <p>C. VISIT THE SITE PRIOR TO START OF WORK TO BECOME FAMILIAR WITH PROJECT CONDITIONS AND EXISTING SERVICES.</p> <p>2. BASIS OF THE DRAWINGS</p> <p>A. INFORMATION ON EXISTING CONDITIONS SHOWN ON THESE DRAWINGS HAS BEEN RECORDED WITH THE NORMAL PROFESSIONAL CARE BY THE ENGINEER AND IS BASED ON THE OWNER'S AVAILABLE EXISTING DOCUMENTS AND USUALLY OBSERVABLE IN-PLACE ELEMENTS. BEFORE ORDERING OR PLACING NEW COMPONENTS, FIELD MEASURE AND VERIFY REQUIREMENTS FOR EXACT DIMENSIONS. ITEMS REQUIRING MODIFICATION TO THOSE SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN A TIMELY FASHION.</p> <p>3. DIRT AND DUST CONTROL</p> <p>A. SCREEN OFF ALL AREAS WHERE CONSTRUCTION IS TO TAKE PLACE FROM THE AREAS TO REMAIN UNHABITED. UNHABITED AREAS SHALL REMAIN DUST AND DEBRIS FREE DURING CONSTRUCTION. CLEAN ANY AREAS OUTSIDE DESIGNATED CONSTRUCTION AREA WHICH MAY HAVE BECOME SOILED DUE TO CONSTRUCTION.</p> <p>4. USE OF THE SPACE</p> <p>A. DISRUPTION OF SERVICES FOR NECESSARY WORK FOR TIE-INS TO WATER SERVICE, ELECTRICAL POWER, SANITARY LINES, ETC., SHALL BE KEPT TO A MINIMUM WITH ADVANCED SCHEDULES ESTABLISHED AND SATISFACTORY TO THE OWNER.</p> <p>6. INSTALLATION NOTES</p> <p>A. PENETRATIONS, CUTTING AND PATCHING. SEAL ALL PIPING AND CONDUIT PENETRATIONS OF WALLS AND FLOORS. PIPING PENETRATIONS OF RATED WALLS AND FLOORS SHALL BE SEALED WITH FIRESTOPPING MATERIAL.</p> <p>7. HANGERS AND SUPPORTS</p> <p>A. INSTALL HANGERS, SUPPORTS, CLAMPS, AND ATTACHMENTS AS REQUIRED TO PROPERLY SUPPORT PIPING AND DUCTWORK TO BUILDING STRUCTURE.</p> <p>B. INSTALL SUPPORTS IN COMPLIANCE WITH MSS SP-69 AND FACTORY FABRICATED IN ACCORDANCE WITH MSS SP-58. ALL COMPONENTS SHALL INCLUDE GALVANIZED COATINGS WHERE INSTALLED FOR PIPING AND EQUIPMENT THAT WILL NOT HAVE A FIELD APPLIED FINISH.</p>	<p>8. THERMAL INSULATION</p> <p>A. ALL INSULATION AND ADHESIVES SHALL HAVE A COMPOSITE FIRE AND SMOKE HAZARD RATING AS TESTED BY PROCEDURE ASTM E84, NFPA 255, AND UL 723 NOT EXCEEDING A FLAME SPREAD RATING OF 25 AND A SMOKE DEVELOPED RATING OF 50.</p> <p>B. INSULATE ALL HOT WATER PIPES AND CONDENSATE DRAIN LINES WITH A MINIMUM OF 3/4" THICK FLEXIBLE FOAMED PLASTIC UNICELLULAR TUBE INSULATION. INSULATION SHALL BE SLIPPED ONTO THE PIPE BEFORE FINAL JOINING. PAINT INSULATION WHERE EXPOSED.</p> <p>1. INSULATE ALL SANITARY DRAIN PIPING IN FIRST FLOOR CEILING WITH 2" MEDIUM DENSITY CLOSED CELL FOAM INSULATION. STAGGER AND SEAL JOINTS.</p> <p>C. ALL PIPE INSULATION SHALL BE APPLIED TO PIPING WITH ALL JOINTS TIGHTLY FITTED TO ELIMINATE VOIDS. ALL JOINTS MUST BE SEALED WITH THE MANUFACTURER'S RECOMMENDED SEALANT.</p> <p>9. PLUMBING EQUIPMENT</p> <p>A. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALL UNITS LEVEL AND PLUMB, FIRMLY ANCHORED IN LOCATIONS INDICATED, MAINTAIN MANUFACTURER'S CLEARANCES.</p> <p>10. PLUMBING PIPES AND VALVES</p> <p>DOMESTIC WATER</p> <p>A. PROVIDE COPPER TYPE "K" PIPING AND FITTINGS BELOW SLAB. "LEAD FREE SOLDERED JOINTS" PROVIDE COPPER TYPE "L" PIPING AND FITTINGS ABOVE SLAB. "LEAD FREE SOLDERED JOINTS" SANITARY SEWER AND VENTS</p> <p>A. PROVIDE POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PLASTIC PIPE (TYPE DWV) IN CONFORMANCE WITH STANDARD ASTM D2665 ALL AREA EXCEPT FIRST FLOOR CEILING.</p> <p>B. PROVIDE COPPER DWV TUBING FOR ALL EXPOSED WASTE PIPING IN KITCHEN PER STANDARD ASTM B75 PAINT SILVER.</p> <p>C. FIRST FLOOR CEILING PIPING, PROVIDE SCHEDULE 40 CAST IRON PIPE WITH CAST IRON JOINTS.</p> <p>VALVES</p> <p>A. PROVIDE BALL VALVES NIBCO SERIES 585-70.</p> <p>11. TESTING, ADJUSTING, AND BALANCING</p> <p>A. PROVIDE TESTING OF THE PLUMBING SYSTEM IN ACCORDANCE, WITH THE FLORIDA BUILDING CODE - PLUMBING.</p>
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WATER HAMMER ARRESTOR

SYMBOL	PIPE SIZE	PDI STANDARD	FIXTURE UNIT CAP.
⬮	1/2"	A	1 TO 11
⬮	3/4"	B	12 TO 32
⬮	1"	C	33 TO 60
⬮	1-1/4"	D	61 TO 113

ELECTRIC WATER HEATER SCHEDULE

MARK	EWH-1	EWH-2
KW	8.3	8.3
KW PER ELEMENT	8.3	8.3
NUMBER OF ELEMENTS	1	1
ELEMENT OPERATION	--	--
RECOVERY (GPH)@57°F	60	60
STORAGE (GALLONS)	--	--
STORAGE TEMP(°F)	--	--
SIZE(D"xH")	(10.75"x5.25")	(10.75"x5.25")
VOLTS/PHASE/HERTZ	208/3/60	208/3/60
AMPS	40	40
OPERATING WEIGHT(LBS)	3	3
MANUFACTURER	EEMAX	EEMAX
MODEL NUMBER	SP-8208	SP-8208

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 REVISION 1 2/4/16

JOB NO. 11-523
 DATE 01.28.16
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P-1
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