

PLUMBING SYMBOLS AND ABBREVIATIONS LEGEND

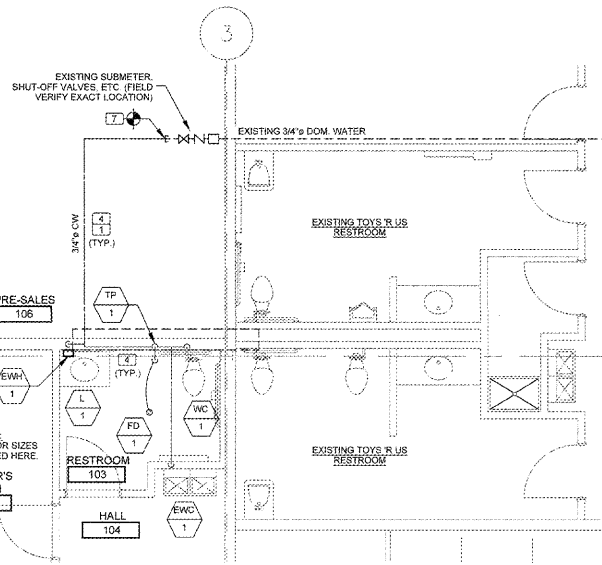
A.F.F.	ABOVE FINISHED FLOOR APPROXIMATE	GV	GATE VALVE OR SHUT-OFF VALVE
B.F.P.	BACKFLOW PREVENTER	CV	CHECK VALVE
B.L.C.L.	BUILDING CENTERLINE	GV	GLOBE VALVE
C.O.P.	CLEANOUT DECKPLATE	PR	PRESSURE REDUCING/REGULATING VALVE (PRV)
COL.	COLUMN	FDD	FLOOR DRAIN WITH P-TRAP
COWP	CLEANOUT WALLPLATE (COWP)	CDP	CLEANOUT DECKPLATE (COOP)
C.W.	COLD WATER	CWP	CLEANOUT WALLPLATE (COWP)
DIA. Ø	DIAMETER	WD	WATER METER
DR.	DRAWING	WR	WATER RISER
DOM.	DOMESTIC	WR	WATER RISER
DWG.	DRAWING	WR	WATER RISER
E.L.C.	ELECTRICAL CONTRACTOR	WR	WATER RISER
ELECT.	ELECTRICAL	WR	WATER RISER
EWC	ELECTRIC WATER COOLER	WR	WATER RISER
FD	FLOOR DRAIN	WR	WATER RISER
FN. FL.	FINISHED FLOOR	WR	WATER RISER
FR.	FLOOR RECEPTOR	WR	WATER RISER
G.C.	GENERAL CONTRACTOR	WR	WATER RISER
G.P.H.	GALLONS PER HOUR	WR	WATER RISER
G.P.M.	GALLONS PER MINUTE	WR	WATER RISER
H.A.C.	HEATING AND AIR COND. CONTRACTOR	WR	WATER RISER
H.B.	HORSEPOWER	WR	WATER RISER
H.W.	HOT WATER	WR	WATER RISER
H.W.H.	HOT WATER HEATER	WR	WATER RISER
LAV.	LAVATORY	WR	WATER RISER
M.N.	MANIFOLD	WR	WATER RISER
MFR.	MANUFACTURER	WR	WATER RISER
MOD. #	MODEL NUMBER	WR	WATER RISER
N.I.C.	NOT IN CONTRACT	WR	WATER RISER
N.T.S.	NOT TO SCALE	WR	WATER RISER
OD	OVERFLOW ROOF DRAIN	WR	WATER RISER
O.F.	OVERFLOW RAINWATER LEADER	WR	WATER RISER
P.C.	PLUMBING CONTRACTOR	WR	WATER RISER
PRESS.	PRESSURE	WR	WATER RISER
P.S.I.	POUNDS PER SQUARE INCH	WR	WATER RISER
P.S.I.G.	POUNDS PER SQUARE INCH GAUGE	WR	WATER RISER
R.D.	ROOF DRAIN	WR	WATER RISER
REQ'D.	REQUIRED	WR	WATER RISER
R.P.Z.	REDUCED PRESSURE ZONE B.F.P.	WR	WATER RISER
R.W.L.	RAINWATER LEADER	WR	WATER RISER
S.N.K.	SINK	WR	WATER RISER
SHT.	SHEET	WR	WATER RISER
SVC.	SERVICE	WR	WATER RISER
SYM.	SYMMETRICAL	WR	WATER RISER
TEMP.	TEMPERATURE	WR	WATER RISER
TP	TRAP PRIMER	WR	WATER RISER
TYP.	TYPICAL	WR	WATER RISER
UR	URINAL	WR	WATER RISER
V. RISER	VENT RISER	WR	WATER RISER
V.T.R.F.	VENT THRU ROOF FLASHED	WR	WATER RISER
WC	WATER CLOSET	WR	WATER RISER
WH	WATER HAMMER ARRESTOR	WR	WATER RISER
W.H.A.	WATER HAMMER ARRESTOR	WR	WATER RISER
XT	THERMAL EXPANSION TANK	WR	WATER RISER
°F	DEGREES FAHRENHEIT	WR	WATER RISER

KEYED NOTES

- ALL ABOVE GRADE PIPING SHALL BE RUN CONCEALED WITHIN THE CEILINGS AND WALLS WHERE HUNG CEILING IS APPLIED. ALL ABOVE GRADE WATER PIPING SHALL BE ROUTED AS HIGH AS POSSIBLE WITH ALLOWANCE FOR SLOPE AS REQUIRED. PROVIDE ACCESS PANELS AS REQUIRED.
- FLUSH CONTROLS HARD WIRED SENSOR OPERATED. PC SHALL FURNISH AND INSTALL FLUSH VALVE ELECTRICAL BOX MOUNTING KIT TO PROPERLY LOCATED SENSOR AND VALVE ACTUATOR. THE ELECTRICAL CONTRACTOR SHALL INSTALL ELECTRICAL BOXES AND WIRE LOW VOLTAGE POWER FROM PC FURNISHED TRANSFORMER TO EACH VALVE ELECTRICAL BOX. INSTALL PER MANUFACTURER'S INSTRUCTIONS. NO ALTERNATES ALLOWED TO LISTED VALVES.
- EXTEND NEW VENT PIPING TO NEAREST VENT PIPE OF SAME SIZE OR LARGER (FIELD VERIFY). SLOPE HORIZONTAL VENT PIPING FROM STACK AT 1/4" PER FOOT. (MIN. AND TYPICAL).
- ALL HOT, TEMPERED AND COLD WATER PIPING SHALL BE INSULATED WITH 1" THICKNESS OF OWENS CORNING HEAVY DENSITY INSULATION WITH ALL SERVICE JACKET. K = 0.25 AT 100° F MEAN.
- EXTEND / CONNECT NEW SANITARY WASTE PIPE TO EXISTING WASTE PIPE AT POINT INDICATED. FIELD VERIFY LOCATION AND FLOW OF EXISTING PIPE. FIELD VERIFY EXISTING LINE ELEVATION WILL ACCOMMODATE NEW WASTE PIPE PRIOR TO BID.
- PLUG TRANSFORMER FOR LAVATORY AND HARD WIRED TRANSFORMER FOR FLUSH VALVE SHALL BE MOUNTED UNDER THE TOILET ROOM LAVATORY COUNTERTOP. BEHIND THE SHROUD. PC TO FURNISH TRANSFORMERS (EC TO PROVIDE OUTLETS/SINK, EC TO WIRE FLUSH VALVE TRANSFORMER TO SENSOR AND ACTUATOR J-BOX. ALL SENSOR WIRING SHALL BE CONCEALED. ROUTED ABOVE THE CEILING OR WITHIN WALLS. WHERE ABOVE CEILING OR IN WALL, WIRE SHALL BE WITHIN CONDUIT. THE PC SHALL FIELD MEASURE TO DETERMINE LENGTH AND NUMBER OF EXTENSION CABLES. COORDINATE WITH ELECTRICIAN.
- EXTEND / CONNECT NEW 3/4" COLD WATER LINE TO EXISTING 3/4" DOMESTIC WATER RISER. VERIFY SIZE AND LOCATION OF EXISTING WATER SERVICE.

NOTE:

CONTRACTORS SHALL REFER TO THE FIXTURING PLAN FOR IDENTIFICATION OF ALL PIPING, EQUIPMENT, DUCTS, VALVING, AND SERVICE PIPING WITH THE OWNER'S STORE. ALL SYSTEMS SHALL BE ROUTED AND/OR LOCATED AS REQUIRED TO AVOID INTERFERENCE WITH THE STORE FIXTURES, SHELVING, AND PACKING INCLUDING FUNCTIONAL USE OF SAME. INSTALLATIONS MUST BE WITHOUT REQUIREMENTS. ALL SHALL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER. SPECIAL OPERATIONS SHALL BE GIVEN TO THE ESTHETIC WENT OF THE WORK. THE PRE-SALES AND RECEIVING DOCUMENTS SHALL BE GIVEN TO THE ESTHETIC HANDLING ASPECTS OF THE PRE-SALES AND RECEIVING DOCUMENTS.



1 ENLARGED RESTROOM DOMESTIC WATER PLAN

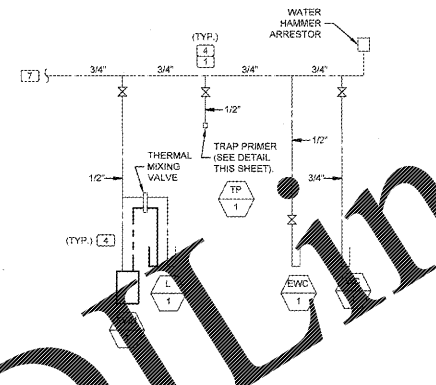
P101

SCALE = 1/16" = 1'-0"



NOTES:

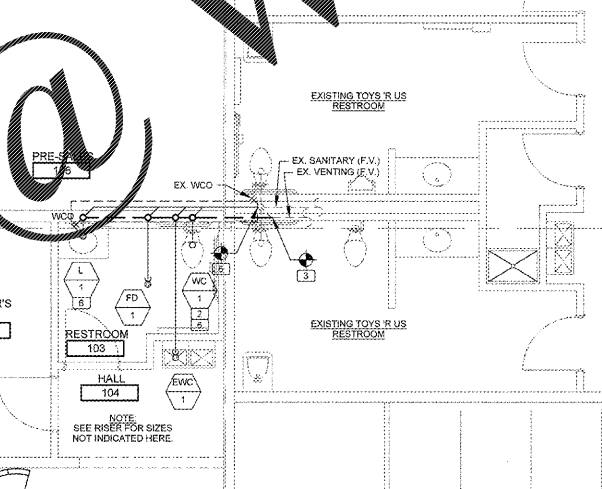
- REFER TO WATER PIPING SCHEMATIC, THIS SHEET. REFER TO DETAILS ON DRAWING P301 AND SPECIFICATIONS FOR VALVE REQUIREMENTS.
- TRAP PRIMERS FOR FLOOR DRAINS SHALL BE LOCATED IN ACCESSIBLE LOCATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING REQUIREMENTS. ALL BARRIER FREE FIXTURES SHALL COMPLY WITH FEDERAL ADA REGULATIONS AND LOCAL REQUIREMENTS.
- LAVATORIES ARE PROVIDED BY THE G.C. FAUCET AND PLUMBING IS PROVIDED BY P.C.
- NEW FLUSH VALVES SHALL BE HARD WIRED AUTOMATIC SENSOR VALVES. ALL WIRING SHALL BE HIDDEN FROM VIEW. THE PLUG TRANSFORMER SHALL BE MOUNTED BELOW THE LAV COUNTERTOP. CONTRACTOR SHALL USE SLOAN ELECTRICAL BOX/FLUSH VALVE MOUNTING POSITIONING KIT. VERIFY CORRECT INSTALLATION REQUIREMENTS. ALL LOW VOLT WIRING FOR THE FLUSH VALVES SHALL BE BY THE ELECTRICAL CONTRACTOR WITH ELECTRICAL BOX POSITIONING KIT INSTALLED BY THE PC.
- ALL PIPING FOR TOILET LAVS SHALL BE HIDDEN BEHIND THE ARCH PROVIDED SHROUD.
- ALL LAVATORIES SHALL HAVE HARD WIRED SENSOR FAUCETS. ALL LOW VOLT WIRING FOR LAVATORY SHALL BE BY THE PLUMBING CONTRACTOR. THE SHARED PLUG TRANSFORMER SHALL BE MOUNTED UNDER THE LAV COUNTERTOP. THE PC SHALL PROVIDE ALL NECESSARY EXTENSION CABLES (SLOAN MODEL EAF-17-A, 25-A & 24-A) AND SPLITTER CABLES AS REQUIRED (FIELD VERIFY). ALL WIRING SHALL BE CONCEALED BEHIND LAV COUNTERTOP AND WITHIN WALLS.



3 DOMESTIC WATER RISER DIAGRAM

P101

SCALE = NOT TO SCALE



2 ENLARGED RESTROOM SANITARY PLAN

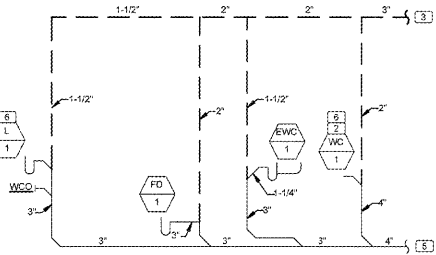
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SCALE = 1/16" = 1'-0"



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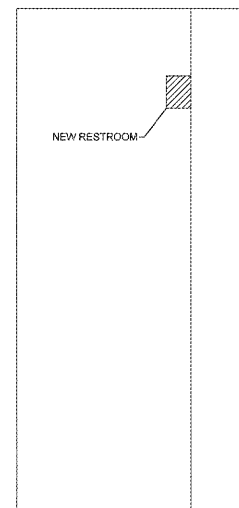
- REFER TO DRAIN, WASTE AND VENT PIPING DIAGRAM, THIS SHEET.
- SLOPE ALL 6" AND LARGER SAN. SEWER PIPING BELOW FLOOR AT 1/80'FT MINIMUM, AND ALL 4" AND SMALLER PIPE AT 1/41'FT MINIMUM.
- PBC SHALL FILL FLOOR DRAIN P-TRAP WITH WATER UPON COMPLETION OF ALL WORK AND TESTING (TYP. ALL FLOOR DRAINS).
- PBC SHALL USE FIXTURE CARRIER WITH AUXILIARY 2" WASTE TAP FOR WATER CLOSET BACK TO BACK WITH URINAL. PROVIDE SEPARATE VENTS.
- DESIGN BASED ON VENT PIPING TO BE ROUTED IN CHASE. ALL HORIZONTAL BRANCH VENTS SHALL BE A MINIMUM OF 6" ABOVE FLOOD PLAIN OF HIGHEST FIXTURE.
- REFER TO ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING REQUIREMENTS. ALL BARRIER FREE FIXTURES SHALL COMPLY WITH FEDERAL ADA REGULATIONS AND LOCAL REQUIREMENTS.
- BREAK ROOM SINK IS PROVIDED BY THE G.C. FAUCET AND PLUMBING IS PROVIDED BY P.C.



4 SANITARY RISER DIAGRAM

P101

SCALE = NOT TO SCALE



5 KEY PLAN

P101

SCALE = NOT TO SCALE



REVISIONS

No.	Date	Description
01	12/21/18	50% OWNER REVIEW
02	01/29/19	ISSUED FOR PERMITTING

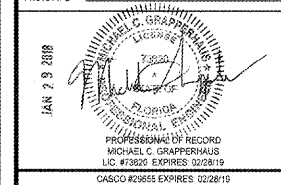
NO SUBSTITUTIONS SHALL BE ALLOWED UNLESS OTHERWISE NOTED (REFER TO SPECIFICATIONS)

DESIGNED FOR: FLORIDA BUILDING CODE, 6TH EDITION (2017).



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Location
LAKELAND, FLORIDA
3770 US HIGHWAY 98 NORTH 33809

Drawing Title
PLUMBING FLOOR PLAN

Scale AS NOTED Date 1/29/19

Sheet No. **P101**