PLUMBING SPECIFICATIONS

DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS, APPLY TO THIS SECTION.

ALL PLUMBING WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH 2007 FLORIDA PLUMBING CODE.

PLUMBING WORK SHALL BE AS INDICATED ON THE PLANS AND AS HEREIN SPECIFIED. IT IS THE INTENTION OF THESE DRAWINGS TO COVER ALL WORK FOR A COMPLETE FIRST CLASS PLUMBING INSTALLATION. ANY EQUIPMENT, TRIM HARDWARE AND/OR DEVICES USUALLY UTILIZED IN THE CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THE 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 PLUMBING CONTRACTOR AS PART OF HIS TOTAL WORK. WORK SHALL CONSIST OF PROVIDING A COMPLETE AND OPERATIONAL SYSTEM INCLUDING ALL FIXTURES, PIPING, VALVES, AND OTHER REQUIRED DEVICES, EQUIPMENT, ETC. ALL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL STATE AND LOCAL CODE REQUIREMENTS. WHERE THERE ARE CONFLICTS BETWEEN THE PLANS, SPECIFICATIONS, AND CODE REQUIREMENTS, THE CONTRACTOR SHALL MAKE ANY ADJUSTMENTS AS REQUIRED FOR COMPLIANCE WITH ALL CODES AND FOR APPROVAL OF THE SYSTEM. THE SYSTEM SHALL EXTEND TO AND CONNECT INTO THE EXISTING MUNICIPAL.

WHENEVER A MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT IS IDENTIFIED ON THE DRAWINGS BY REFERENCE TO MANUFACTURERS' OR VENDORS NAMES, TRADE NAMES, CATALOG NUMBERS, OR THE LIKE, IT IS SO IDENTIFIED FOR THE PURPOSE OF ESTABLISHING A STANDARD, AND ANY MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT OF OTHER MANUFACTURERS OR VENDORS WHICH WILL PERFORM ADEQUATELY THE DUTIES IMPOSED BY THE GENERAL DESIGN WILL BE CONSIDERED EQUALLY ACCEPTABLE PROVIDED THE MATERIAL, ARTICLE, OR PIECE OF EQUIPMENT SO PROPOSED IS OF EQUAL SUBSTANCE, APPEARANCE, AND FUNCTION.

THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BEGINNING WORK FOR THE PURPOSE OF OBSERVING EXISTING CONDITIONS AND TO DETERMINE THE EXTENT OF THE WORK. THE CONTRACTOR SHALL MAKE ALLOWANCES FOR PROVIDING ALL MATERIAL, EQUIPMENT, AND LABOR AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE DRAWINGS, SPECIFICATIONS, AND ALL CODE REQUIREMENTS.

DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF DOORS, WINDOWS, PLUMBING FIXTURES, ETC.

ALL PLUMBING WORK SHALL BE COORDINATED WITH THE WORK PERFORMED UNDER OTHER DIVISIONS TO AVOID INTERFERENCE. FIELD VERIFY ROUTING OF ALL WORK.

ALL PIPING, VENTS, ETC. EXTENDING THROUGH THE WALL AND/OR ROOF SHALL BE FLASHED AND COUNTERFLASHED IN A WATERPROOF MANNER.

ALL PIPING INSULATION SHALL RUN CONTINUOUSLY THROUGH FLOOR, WALLS AND PARTITIONS.

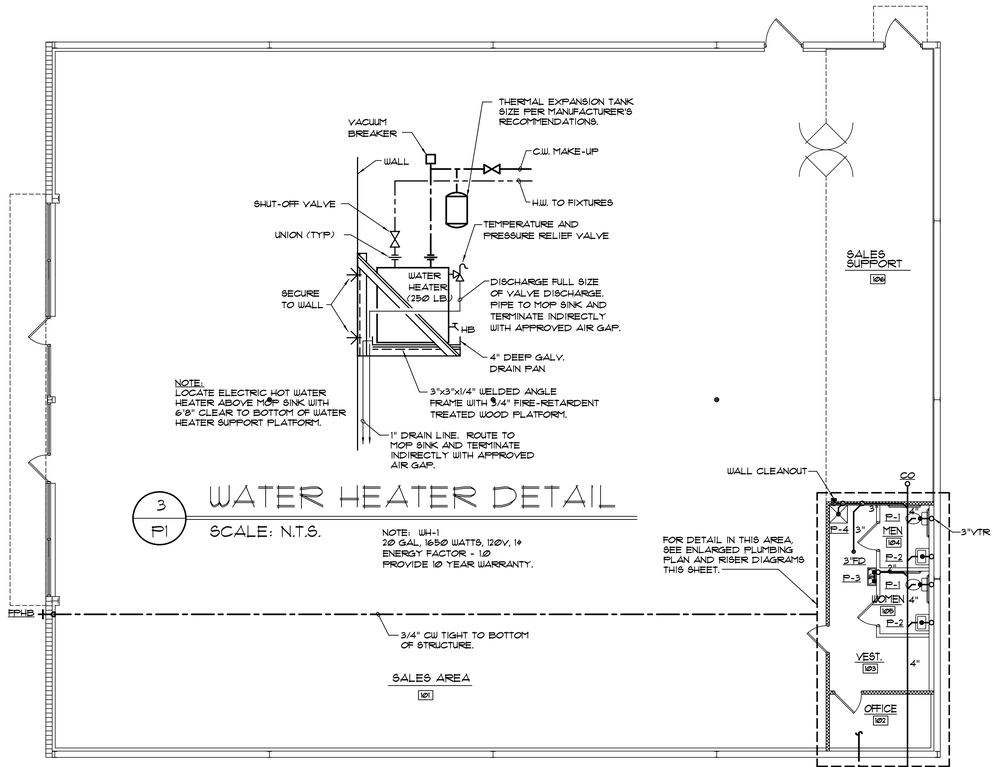
ALL UNDERGROUND WATER PIPING SHALL BE TYPE "K" COPPER MINIMUM. ALL ABOVE GROUND WATER PIPING SHALL BE TYPE "L" COPPER MINIMUM. PROVIDE WROUGHT COPPER FITTINGS. JOINTS SHALL BE SOLDERED WITH LEAD FREE SOLDER. ADAPTERS SHALL BE CAST BRONZE. ALL EXPOSED PIPING SHALL BE CHROME PLATED. WASTE AND VENT PIPING SHALL BE MINIMUM SCHEDULE 40 PVC OR SERVICE WEIGHT CAST IRON WITH EITHER NO-HUB OR "CHARLOTTE SEAL" JOINTS. NO-HUB JOINTS ARE NOT PERMITTED BELOW GRADE. ALL EQUIPMENT REQUIRING PLUMBING CONNECTIONS SHALL BE CONNECTED BY THE PLUMBER REGARDLESS OF WHO PROVIDES THE EQUIPMENT OR FIXTURE. COPPER PIPING SHALL NOT BE ALLOWED TO COME IN CONTACT WITH MASONRY OR DISSIMILAR METALS. PIPING SHALL BE PROTECTED BY COPPER HANGERS AND SLEEVES.

ALL HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE INSULATED WITH MINIMUM 1" THICK 3 PCF DENSITY FIBERGLASS PIPE COVERING WITH VAPOR BARRIER JACKET OR AS REQUIRED BY CODE. ALL JOINTS SHALL BE LAPPED AND SEALED WITH AN APPROVED TYPE ADHESIVE AND END STRIPS AS RECOMMENDED BY THE INSULATION SUPPLIER AND/OR MANUFACTURER.

VACUUM BREAKERS SHALL BE PROVIDED FOR ALL HOSE CONNECTIONS AND OTHER POINTS WHERE CROSS CONTAMINATION CAN OCCUR. REDUCED PRESSURE BACKFLOW PREVENTERS SHALL BE PROVIDED WHERE REQUIRED BY CODE. ALL FIXTURES, HOSE BIBBS, FLOOR DRAINS, ETC., SHALL BE PROVIDED AS INDICATED AND SCHEDULED ON THE PLANS. THE SYSTEM SHALL BE TESTED, CLEANED, AND DISINFECTED IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS.

THE ENTIRE PLUMBING SYSTEM SHALL BE UNCONDITIONALLY GUARANTEED FOR 1 YEAR FROM ACCEPTANCE BY THE OWNER. ALL GUARANTEES SHALL BE WRITTEN, DATED, AND FORWARDED TO THE OWNER. ALL DEFECTIVE EQUIPMENT AND/OR MATERIAL SHALL BE REPLACED AT NO EXPENSE TO THE OWNER.

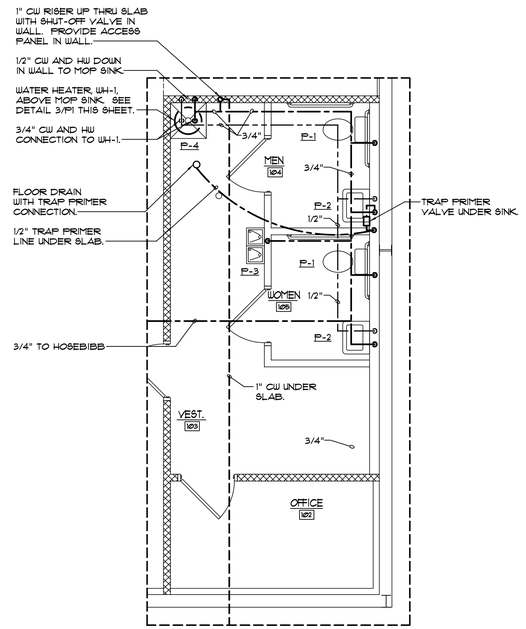
PAINT ALL VISIBLE PIPING ON THE EXTERIOR OF THE BUILDING TO MATCH THE BUILDING COLOR.



1 / P1 PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0"

3 / P1 WATER HEATER DETAIL
SCALE: N.T.S.

NOTE: WH-1
20 GAL, 1650 WATTS, 120V, 1Φ
ENERGY FACTOR - 1.0
PROVIDE 10 YEAR WARRANTY.



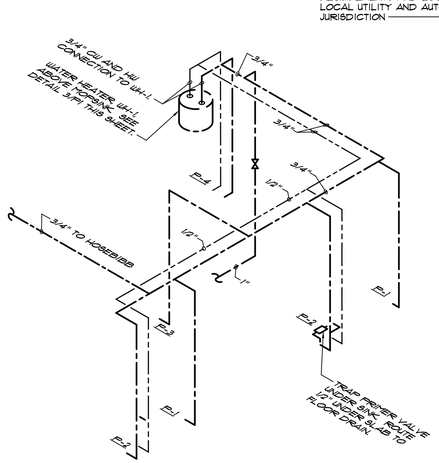
2 / P1 LARGE SCALE FLOOR PLAN
SCALE: 1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE (ALL FIXTURES & HARDWARE MUST MEET ADA STANDARDS)						
SYMBOL	DESCRIPTION	HW	CW	W	V	REMARKS
P-1	HANDICAPPED WATER CLOSET	-	1/2"	4"	2"	AMERICAN STANDARD 2480.216 "FLOWISE DUAL FLUSH RIGHT HEIGHT ELONGATED TOILET", VITREOUS CHINA, LOW CONSUMPTION DUAL FLUSH, , SOLID PLASTIC OLSONITE #35 OPEN FRONT WHITE SEAT. PROVIDE CHROME PLATED SUPPLY WITH STOP. NO SUBSTITUTIONS ALLOWED.
P-2	HANDICAPPED LAVATORY WALL HUNG	1/2"	1/2"	2"	1-1/2"	AMERICAN STANDARD 0355.012 "LUCERNE", 1340.225 METERING FAUCET WITH CENTERSET SPOUT. PROVIDE WITH GRID DRAIN, CHROME PLATED CAST BRASS TRAP ASSEMBLY WITH CLEANOUT, CHROME PLATED BRASS SUPPLIES WITH LOOSE KEY STOPS. PROVIDE TRUEBRO #102 HANDI LAV-GUARD A.D.A. CONFORMING INSULATION KIT.
P-3	ELECTRIC WATER COOLER	-	1/2"	2"	1-1/2"	ELKAY EZ8TL8C BARRIER-FREE, HIGH/LOW, STANDARD COLOR TO BE SELECTED BY THE ARCHITECT. 120V, 1Φ. TO MEET HANDICAPPED CODE REQUIREMENTS AND ADA REQUIREMENTS. PROVIDE WITH LKAPREZL APRON.
P-4	MOP SINK	1/2"	1/2"	3"	1-1/2"	FIAT MSB 24x24x10 MOLDED STONE BASIN WITH STAINLESS STEEL STRAINER, 830AA FAUCET SET, STAINLESS STEEL RIM GUARD AND HOSE WITH BRACKET.

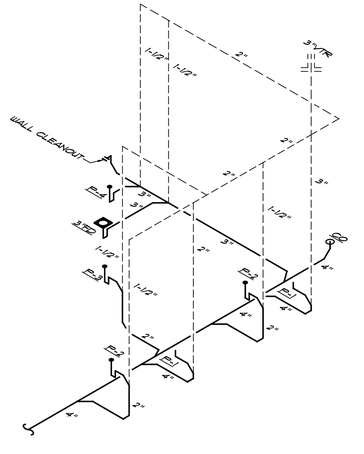
CLEAN OUTS
CO - FLOOR CLEANOUT:

HOSE BIBBS
HB - CHICAGO LK-15 LOOSE KEY WITH CHROME PLATED FINISH.
FPHB - PROVIDE RECESSED BOX TYPE WALL HYDRANT FOR NON-FREEZING AREAS EQUAL TO WOODFORD B24 WITH ANTI-SIPHON VACUUM BREAKER.

DRAINS
FD - FLOOR DRAIN: JOSAM SERIES 30000 WITH NICKALOY FINISH. PROVIDE TRAP PRIMER OR HOSEBIBB AND DEEP SEAL TRAP.



4 / P1 WATER SUPPLY RISER
SCALE: N.T.S.



5 / P1 SANITARY WASTE RISER
SCALE: N.T.S.

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ARCHITECT'S PROJECT # 0911?

Project :
FAMILY DOLLAR
FOR
BOOS DEVELOPMENT GROUP, INC
STATE ROUTE 89
MILTON, FLORIDA
DESIGN BASED ON 2009-04 FD PROTOTYPE

Sheet Description :
PLUMBING
FLOOR PLAN
SCALE 1/8" = 1'-0"

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Drawn By :
D. MYERS

Checked By :
D. MYERS

Revisions :
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4

Seal

Date :
12/22/09

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