

PLUMBING GENERAL NOTES

1. PROVIDE DISINFECTION OF WATER PIPING SYSTEM WITH CHLORINE SOLUTION AS PER CODE.
2. ALL OVERHEAD WATER PIPING TO BE RUN BELOW INSULATION AT BOTTOM OF TRUSSES FOR FREEZE PROTECTION.
3. INSTALLATION OF BACKFLOW PREVENTER SHALL COMPLY WITH THE 2015 INTERNATIONAL PLUMBING CODE.
4. ALL INDIRECT DRAINS TO HAVE INSULATED DEEP SEAL P-TRAPS.
5. ALL WALL HUB DRAINS TO BE FREEZE PROOF AND TO HAVE VACUUM BREAKERS.
6. INSULATION ON ALL PIPING SHALL MEET SMOKE/FLAME RATING OF 25 ASD.
7. ALL FLOOR DRAINS TO HAVE DEEP SEAL P-TRAPS.
8. INSTALL WATER HAMMER ARRESTORS AS FOLLOWS:
 - A. LAY IN CEILING; MOUNT WATER HAMMER ARRESTOR ABOVE CEILING FOR ACCESS.
 - B. SHEETROCK CEILING; MOUNT WATER HAMMER ARRESTOR IN CHASE WALL. PROVIDE 12"x12" STAINLESS STEEL ACCESS PANEL IN WALL.
9. THESE DRAWINGS NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE PROJECT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
10. COORDINATE PLUMBING PIPING WITH STRUCTURAL, PLUMBING, HVAC AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ANY ADDITIONAL COST TO THE PROJECT.
11. NO PIPING TO BE RUN ABOVE ELECTRICAL PANELS.
12. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO ANY BID SUBMISSION TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. THE CONTRACTOR SHALL MAKE ADJUSTMENTS IN ROUTING AND LOCATION, IF NECESSARY, IN SIZE, IN ORDER TO ACHIEVE THE SPECIFIED PERFORMANCE WITHOUT INCURRING ADDITIONS TO THE CONTRACT, WHERE EXISTING CONDITIONS DIFFER SIGNIFICANTLY ENOUGH TO AFFECT PRICING. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO BID SUBMISSION FOR A RESOLUTION, NO ALLOWANCE WILL BE MADE FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
13. MAINTAIN A MAXIMUM OF 55 PSIG WATER PRESSURE AT PLUMBING FIXTURES, CONSISTENT WITH ADEQUATE FLOW RATES.
14. ALL WASTE AND VENT PIPING IN CORRIDOR WALLS, RATED WALLS OR RETURN AIR PLENUMS TO BE CAST IRON PIPE.
15. ALL VENTS TO BE CAST IRON (3'-0" MIN. LENGTH) AT ROOF PENETRATION.
16. SUPPORT PIPES AS REQUIRED BY THE 2015 INTERNATIONAL PLUMBING CODE.
17. FIRST-FLOOR ALL RATED WALLS AND FLOOR PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL AND FLOOR LOCATIONS.
18. COORDINATE ALL PLUMBING IN SLAB WITH BUILDING FOOTINGS.
19. OFFSET ALL VENTS TO BACKSIDE OF ROOF RIDGE OR ON FLAT ROOF (AS SHOWN).
20. ALL CEILING ACCESS PANELS SHALL BE PAINTED TO MATCH CEILING.
21. PROVIDE PIPING OFFSETS AT ANY AND ALL FIRE-RATED PENETRATIONS, EQUAL TO ROFTEC.
22. DO NOT BEGIN WORK UNTIL ELEVATION OF FINAL CONNECTION POINT IS VERIFIED AND GRADING OF ENTIRE SYSTEM CAN BE DETERMINED (EVEN IF FINAL CONNECTION IS SPECIFIED UNDER ANOTHER SECTION).
23. PROVIDE 12"x12" CEILING ACCESS PANEL (M/FAB OR EQUAL) TO MATCH CEILING FOR ALL VALVES IF LOCATED IN TILE CEILING AREA. (TYPICAL)
24. ALL PLUMBING PRODUCTS THAT COME INTO CONTACT WITH POTABLE (DRINKABLE) WATER SHALL COMPLY WITH SAFE DRINKING WATER ACT (SDWA) AND THE REDUCTION OF LEAD IN DRINKING WATER. REDUCTION OF LEAD IN DRINKING WATER ACT (SDWA) EFFECTIVE JANUARY 4, 2014.
25. THE CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM OF INTERFERENCE WITH OTHER TRADES AND NORMAL FUNCTIONING OF EXISTING FACILITIES AND SERVICES.
26. VERIFY EXACT ROUGH-IN AND FINAL EQUIPMENT REQUIREMENTS IN FIELD.
27. THE CONTRACTOR SHALL VERIFY ALL PIPING, AS SHOWN ON THESE DRAWINGS WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, EQUIPMENT, ETC.
28. COORDINATE ROUTING AND LOCATION OF WASTE AND VENT PIPING WITH ALL OTHER TRADES.
29. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS, ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS WALLS AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
30. ALL ITEMS PROJECTING THROUGH THE ROOF SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10" FROM ANY OUTSIDE AIR INTAKE DEVICE.
31. PROVIDE STOPS AND SHOCK ABSORBERS AT EACH FIXTURE OR GROUP OF FIXTURES.
32. THE CONTRACTORS SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO GAS FIRED EQUIPMENT AND SPECIFIED FIXTURES. ALL GAS FIRED EQUIPMENT AND FIXTURES SHALL BE OPERABLE.
33. PROVIDE VACUUM BREAKERS AT FIXTURES WITH HOSE THREAD CONNECTIONS AND APPLIANCES WITH DIRECT CONNECTIONS TO DOMESTIC WATER.
34. WHERE DISSIMILAR PIPING MATERIALS (STEEL AND COPPER) ARE CONNECTED, INSTALL A THREADED BRASS NIPPLE FOR PIPE SIZES 2" AND LESS, FOR PIPE SIZES 2-1/2" AND ABOVE, INSTALL ISOLATING FLANGES. DIELECTRIC UNIONS ARE NOT TO BE USED EXCEPT AT THE WATER HEATERS.
35. ALL WATER LINES INSTALLED IN EXTERIOR WALLS SHALL BE INSTALLED INSIDE OF WALL INSULATION AND INSULATED INDIVIDUALLY TO PROTECT FROM FREEZING. PIPING AND FITTINGS.
36. ALL PLUMBING FIXTURES SHALL BE WHITE, (UNLESS STATED OTHERWISE)
37. INSTALL "TRAPGUARD" FOR ALL FLOOR DRAINS IN BATHROOMS, RESTROOMS, JANITOR, MECHANICAL ROOMS AND PARTY ROOM. FLOOR DRAINS, ALL FLOOR DRAINS ARE TO HAVE 4" DEEP SEAL TRAPS AND THE "TRAPGUARD". (NO EXCEPTIONS).
38. PROVIDE APPROVED BACKFLOW PREVENTION AT ALL EQUIPMENT DIRECTLY CONNECTED TO WATER SYSTEM.
39. PROVIDE CLEANOUTS EVERY 75'-0" OR AT EACH CHANGE IN DIRECTION MORE THAN 45'-0" AS REQUIRED BY CODE. COORDINATE LOCATIONS WITH ARCHITECT.
40. PROVIDE PRESSURE REDUCING VALVE IF THE INCOMING PRESSURE EXCEEDS 80 PSI. IF A PRV IS UTILIZED THE IT SHALL BE SET TO 80 PSI. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE IF REQUIRED.
41. THESE PLANS (ALL PLUMBING SHEETS) ARE SCHEMATIC IN NATURE AND ARE INTENDED TO ESTABLISH SIZE, GENERAL ROUTING, LOCATION, PERFORMANCE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. ALL WORK SHALL BE FULLY COORDINATED WITH OTHER TRADES TO INSURE THE INSTALLATION OF A COMPLETE OPERABLE SYSTEM THAT FITS IN THE SPACE ALLOTTED. PROVIDE ALL LABOR, EQUIPMENT, APPURTENANCES AND MATERIALS NECESSARY, AND PERFORM ALL OPERATIONS REQUIRED FOR THE INSTALLATION OF COMPLETE, FUNCTIONAL PLUMBING SYSTEMS AS OUTLINED ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.
42. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES.
43. DEFINITIONS: "FURNISH" SHALL MEAN TO PURCHASE AND LOCATE AN ITEM ON THE JOBSITE. "INSTALL" SHALL MEAN TO PHYSICALLY INSTALL AN ITEM, AND TO CONNECT ALL REQUIRED SERVICES TO MAKE THAT ITEM FULLY FUNCTIONAL. "PROVIDE" SHALL MEAN TO BOTH FURNISH AND INSTALL AN ITEM.
44. VERIFY ALL POINTS OF CONNECTION WITH OTHER DISCIPLINES LOCATION AND INVERT PRIOR TO INSTALLATION. THIS SHALL INCLUDE EXISTING SITE UTILITIES AS WELL AS NEW SITE UTILITIES INSTALLED UNDER THE SCOPE OF WORK FOR THIS PROJECT.
45. COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, ELECTRICAL LIGHTING AND STRUCTURE IN THE CEILING PLENUMS.
46. WHEN IN A CONFLICT EXISTS BETWEEN THE DRAWING AND SPECIFICATIONS, THE HIGHER STANDARD/ DIRECTION SHALL APPLY. THE FINAL DECISION SHALL BE MADE BY THE ARCHITECT AND/OR ENGINEER. THE HIGHER PRICE SHALL BE INCLUDED IN THE BID PRICE.
47. COORDINATE ALL DMV PIPING WITH THE JOIST LAYOUT BELOW. COORDINATE THROUGH THE ARCHITECT, GENERAL CONTRACTOR, THIS SET OF CONSTRUCTION DOCUMENTS (STRUCTURAL/ARCHITECTURAL) ETC. THERE WILL NOT BE ANY CHANGE ORDERS ISSUED OR PAID FOR GENERAL/REQUIRED OFFSETS DUE TO THE FAILURE OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE STRUCTURE PRIOR TO THE BID. THE SUBMITTED BID PRICE SHALL HAVE AN ALLOWANCE FOR ALL REQUIRED OFFSETS, ETC.
48. AT CONTRACTORS OPTION VENT PIPING MAY BE SCHEDULED 40 SOLID CORE PVC.
49. ALL WASTE PIPING BELOW SLAB (EXCLUDING GREASE WASTE) SHALL BE SCH 40 SOLID CORE PVC.
50. COORDINATE MIN. SLOPE FOR SANITARY SEWER WITH THE IN ELEVATIONS. PROVIDE 1/4" PER FOOT MIN. SLOPE IF ELEVATION WILL ALLOW.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE DESCRIPTION	COLD	HOT	WASTE	REMARKS
WC-1	WATER CLOSET (HVC) *	1"	1"	4"	FLOOR MOUNTED, FLUSH VALVE. (HVC)
L-1	LAVATORY (HVC) **	1/2"	1/2"	1-1/4"	WALL MOUNTED, MOUNT 34" RIM TO FINISHED FLOOR. (HVC)
S-1	SINK **	1/2"	1/2"	1-1/2"	STAINLESS STEEL, SINGLE COMPARTMENT WITH DISPOSAL.
EW-1	ELECTRIC WATER COOLER (HVC) (B/ELEVEL) ***	1/2"	1/2"	3"	WALL HUNG, HANG 36" SPOUT TO FINISHED FLOOR HVC SIDE.
MB-1	MOP BASIN	1/2"	1/2"	3"	FLOOR MOUNTED

- FIXTURE SCHEDULE NOTES:**
- * HANDLE TO WIDE SIDE OF WALL.
 - ** INSULATE P-TRAP, DRAIN AND SUPPLIES WITH HAND LAY GUARDED INSULATION KIT #102W OR EQUAL BY TRAP WRAP AND MCGUIRE PRO WRAP.
 - *** PROVIDE WITH STAINLESS STEEL FINISH AND SAFETY BUBBLER. (LEAD FREE)

ELECTRIC WATER HEATER SCHEDULE

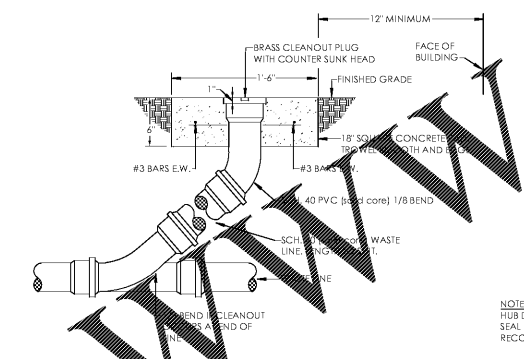
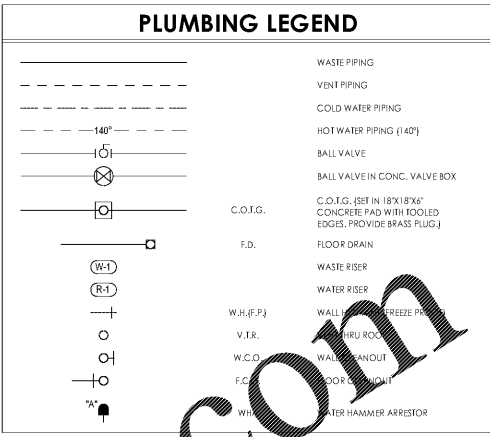
MARK	STORAGE CAPACITY	RECOVERY # 90° F	KW	VOLT	PH	CY	REMARKS
WH-1	30	25	6	208	1	40	1,2,3

- ELECTRIC WATER HEATER SCHEDULE NOTES:**
1. PROVIDE THREE YEAR WARRANTY.
 2. PROVIDE THERMAL EXPANSION TANK SUPPORTED FROM STRUCTURE. (SEE SPEC.)
 3. BASED ON RHEEM MODEL G5P-30 OR EQUAL BY A.D. SMITH OF RUDO.

WATER HAMMER ARRESTOR SCHEDULE

P.D. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-40	41-113	114-154	155-330

PROVIDE ACCESS FOR SERVICE.

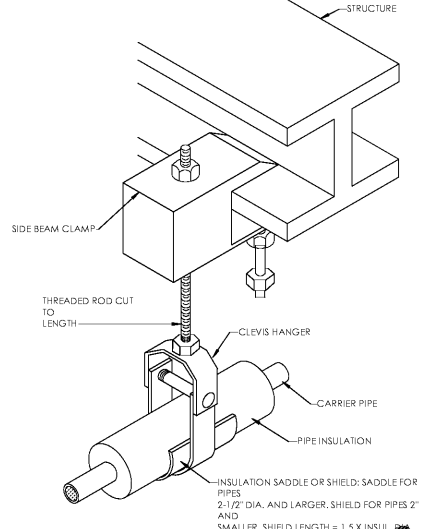
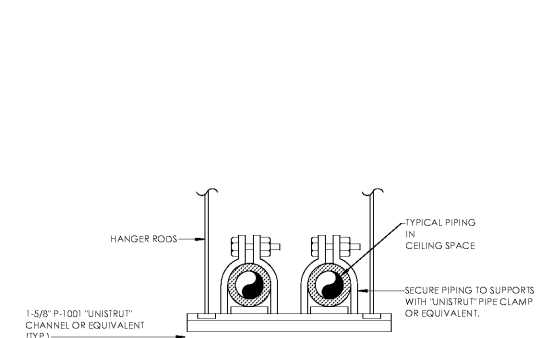


1 CLEAN OUT TO GRADE (COTG)
NOT TO SCALE

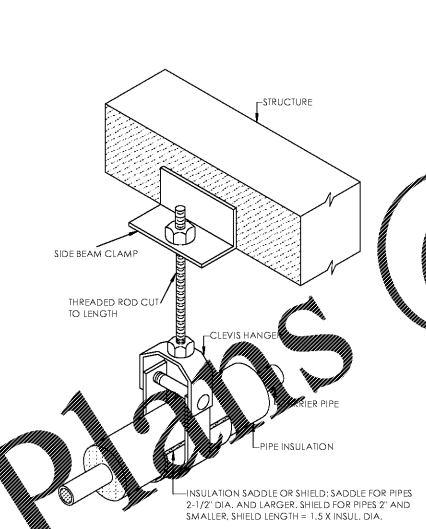


2 TRAP GUARD DETAIL 02
NOT TO SCALE

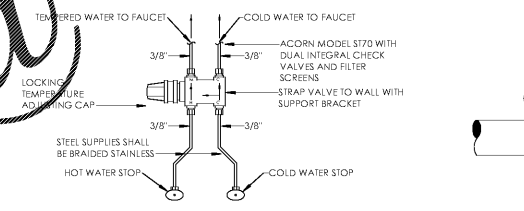
3 WATER HEATER CONNECTION & MOUNTING DETAIL - WH-1 & WH-2
1/8" x 1'-0"



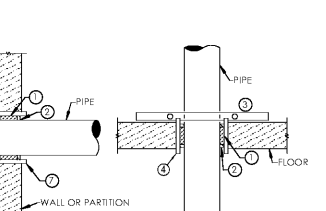
4 PIPE HANGER DETAIL 1
1/8" x 1'-0"



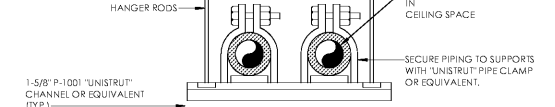
5 PIPE HANGER DETAIL 2
1/8" x 1'-0"



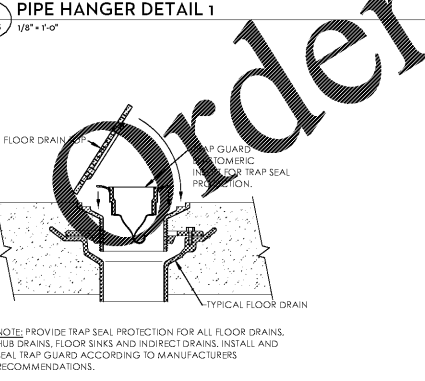
6 TEMPERATURE LIMITING VALVE
1/8" x 1'-0"



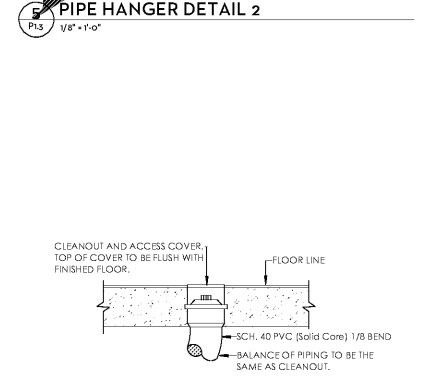
7 PIPE THRU STRUCTURE DETAIL
NOT TO SCALE



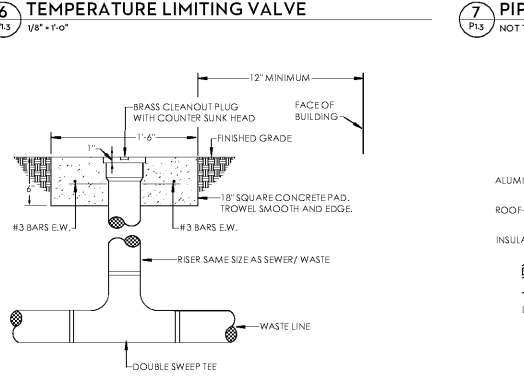
8 SUSPENDED PIPING SUPPORT AT CEILING DETAIL
1/8" x 1'-0"



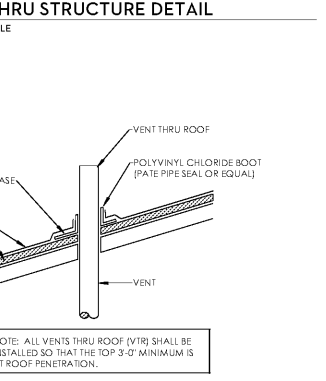
9 TRAP GUARD DETAIL
NOT TO SCALE



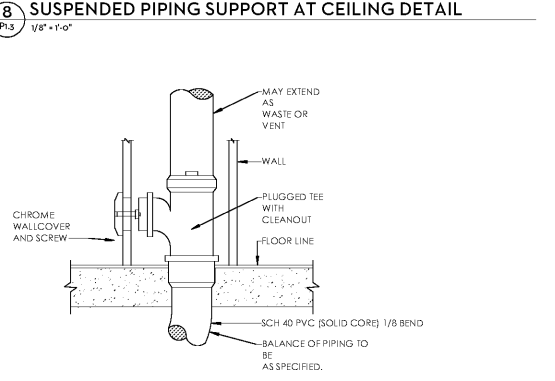
10 FLOOR CLEANOUT DETAIL (FCO)
NOT TO SCALE



11 2-WAY CLEAN OUT TO GRADE (COTG)
NOT TO SCALE

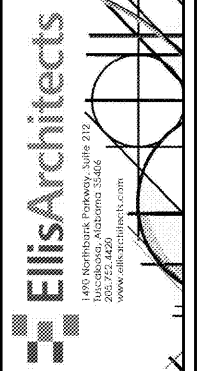


12 VENT THRU ROOF DETAIL
NOT TO SCALE



13 WALL CLEANOUT DETAIL
NOT TO SCALE

Order Plans @



New Construction for:
BIBB COUNTY COURTHOUSE ANNEX
8 Court Square West
Centreville, Alabama



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Do Not Scale From Drawings.
Contractor must verify all dimensions prior to construction.

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DOCUMENT	DATE
BID SET:	09/06/2019
DRAWN BY:	WEC
PLUMBING NOTES, SCHEDULES AND DETAILS	

P1.3