



1 FLOOR PLAN — PLUMBING

- GENERAL NOTES
(APPLIES TO ALL SHEETS)
- ALL HUB DRAINS SHALL BE READILY ACCESSIBLE.
 - ALL PLUMBING SHUTOFF VALVES SHALL BE COORDINATED WITH MECHANICAL EQUIPMENT AND SHALL BE EASILY ACCESSIBLE FOR FUTURE OPERATION.
 - COORDINATE FINAL LOCATIONS OF ALL NFWH WITH BUILDING OWNERS REP, ARCHITECT, ETC.
 - PIPE SUPPORT ATTACHMENT TO BRIDGING OR METAL ROOF DECK IS STRICTLY PROHIBITED. ALL PIPE SHALL BE HUNG FROM THE TOP CORD OF THE JOISTS. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION.
 - ALL HORIZONTAL SANITARY, WASTE, & STORM PIPING SHALL BE SLOPED AT 1/8" PER FOOT, UNLESS OTHERWISE NOTED, IN DIRECTION OF FLOW.
 - ALL SHUT OFF VALVES SHALL BE 1/2 TURN BALL VALVES, AND SHALL NOT BE GATE VALVES.
 - PROVIDE ALL FLOOR DRAINS, FLOOR SINKS, HUB DRAINS, ETC. WITH TRAP PRIMERS. TRAP PRIMER SHALL CONFORM TO ASSE 1018 OR ASSE 1044

- URINALS WASTE BRANCHES AND FIXTURE WASTES SHALL BE EXTRA HEAVY WEIGHT CAST IRON SOIL PIPING AND FITTINGS SHALL BE PROVIDED WITH CAULKED JOINTS.
- PROVIDE BASE CLEANOUTS ON ALL STORM RISERS.
- CLOSELY COORDINATE THE PIPING LAYOUT WITH THE ESFR SPRINKLER HEAD LAYOUT.
- ALL PIPING SHALL BE INSTALLED ABOVE THE BOTTOM CORD OF THE JOIST. PIPES SHALL NOT ENCROACH ON THE CLEAR HEIGHT.
- ALL UNDERGROUND LINES SHALL BE VIDEO-INSPECTED PRIOR TO SLAB PLACEMENT AND THEN AGAIN AFTER SLAB PLACEMENT. VIDEO SHALL EXTEND TO THE TIE IN CONNECTION POINT OUTSIDE OF THE BUILDING. TWO (2) COPIES OF THE INSPECTION SHALL BE PROVIDED IN DVD OR FLASH DRIVE FORMAT.
- ROUTE HW WATER LOOP DOWN IN WALL TO FIXTURE. MINIMIZE DISTANCE FROM LOOP TO HOT WATER DISCHARGE.

- KEY NOTES
(APPLIES THIS SHEET ONLY)
- PROVIDE A HUB DRAIN EXTENDED ABOVE SLAB FOR CONDENSATE DRAINAGE. PROVIDE A MINIMUM 1" AIR GAP BETWEEN DRAIN AND CONDENSATE PIPING.
 - COORDINATE FINAL LOCATION OF NFWH WITH ARCHITECTURE. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATION.
 - CLOSELY COORDINATE THE FINAL LOCATION OF THE FLOOR DRAIN WITH THE FIRE PROTECTION SUB. FLOOR DRAINS SHALL NOT BE LOCATED UNDER FIRE PROTECTION EQUIPMENT.
 - COORDINATE THE FINAL LOCATION OF TRENCH DRAIN WITH ARCHITECTURAL.
 - REFER TO 1/P7.1 FOR BREAK SINK INSTALLATION DETAIL.
 - PROVIDE 1/2" CW LINE WITH SHUT-OFF VALVE AND BACK FLOW PREVENTOR (WATTS 007LF) FOR OWNER PROVIDED EQUIPMENT. COORDINATE INSTALLATION LOCATION WITH ARCHITECT AND OWNERS REP.
 - PROVIDE 1/2" CW LINE WITH WATTS SD-3 BFP & SHUT-OFF VALVE FOR COFFEE MAKER. COORDINATE INSTALLATION LOCATION WITH ARCHITECT AND OWNERS REP. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTION TO COFFEE MAKER.
 - PROVIDE HEAT TRACE FOR STORM AND OVERFLOW PIPING. INSULATE ALL STORM AND OVERFLOW PIPING IN ACCORDANCE WITH 224000-2.5

ABOVE GRADE. PROVIDE FOAM GLASS INSULATION AND VENTER CLADE WRAP FOR WATER TIGHT PROTECTION ON ALL PIPES BELOW GRADE. ROUTE HEAT TRACE LINE FROM RD/EOD TO BELOW GRADE PAST THE FROST LINE. HEAT TRACE SHALL BE LOOPED BACK ABOVE GRADE SO THAT NO TERMINATIONS ARE BELOW GRADE.

PROVIDE FOUR (4) HEAT TRACE SYSTEMS WITH ONE (1) ELECTRICAL CONNECTION FOR EACH SYSTEM. ELECTRICAL CONNECTION SHALL BE 30 AMPS AND 277/1. COORDINATE CONNECTION AND LOCATION WITH ELECTRICAL CONTRACTOR.

GROUP THE RD/EODS AS FOLLOWS:
SYSTEM 1: DRAINS AT A/6, A/4, AND A/3.2
SYSTEM 2: DRAINS AT A/2, A/1.3, AND B/1
SYSTEM 3: DRAINS AT D/1 AND E/2.
SYSTEM 4: DRAINS AT E/4 AND E/6.

HEAT TRACE SHALL BE CHROMATRACE CPR8-2CR WITH 132 FT AND 9.6 W/FT OR APPROVED EQUAL. PROVIDE WITH THERMOSTAT, ELECTRICAL CONNECTION, AND ALL NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION.

ROUTE PIPING DOWN TO LAMBS TONGUE OVERFLOW TERMINATION. COORDINATE EXACT HEIGHT AND LOCATION OF TERMINATION WITH ARCH. LAMBS TONGUE SHALL BE JAY R SMITH MODEL 1770 FINISHED IN NICKEL BRONZE.



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DATE: 9/10/2020

JOB NO. 19230

P1.1
SHEET NO.