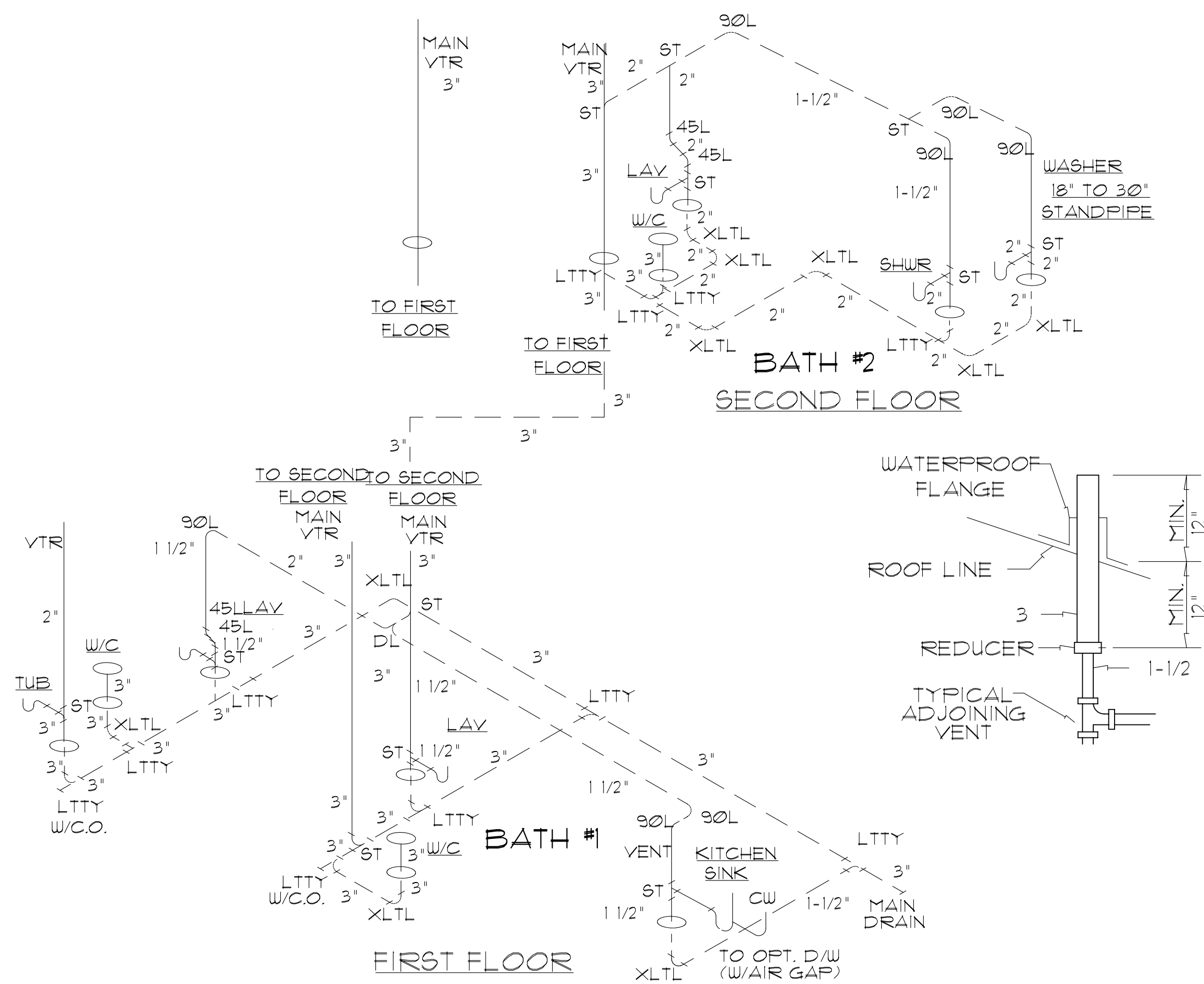
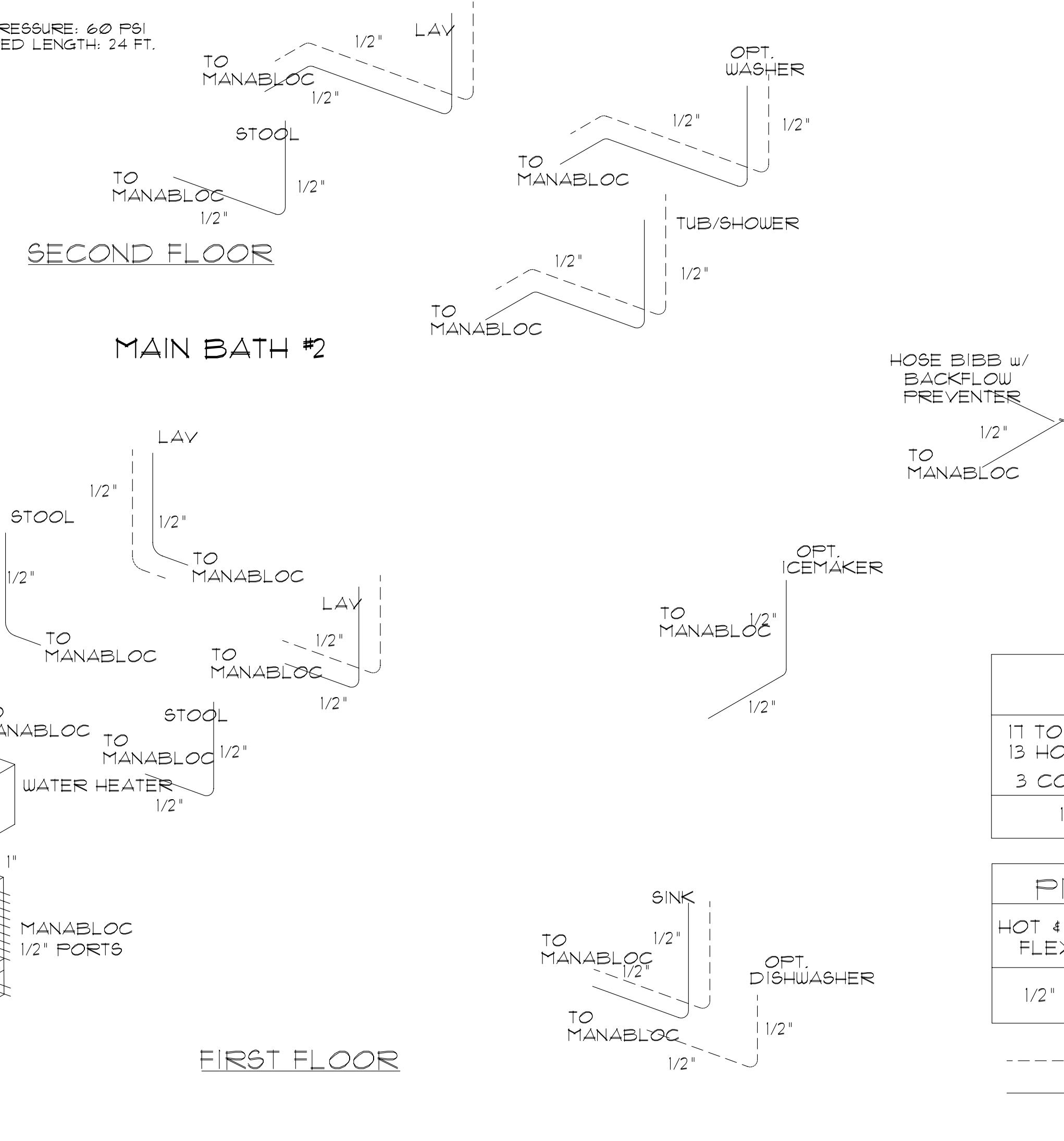


MINIMUM DESIGN PRESSURE: 60 PSI
 MAXIMUM DEVELOPED LENGTH: 24 FT.



DWV PLAN
 SCALE: NONE



SUPPLY PLAN
 SCALE: NONE

| MANABLOC PORTS | |
|-------------------------|--|
| 17 TOTAL PORTS | |
| 13 HOT/COLD WATER PORTS | |
| 3 COLD ONLY WATER PORTS | |
| 1/2" LINE 17 PORTS | |

| PIPING SUPPORT | |
|---------------------|---------------------------|
| HOT & COLD FLEXIBLE | MAX. SPACING HOR. & VERT. |
| 1/2" & 3/4" | 2'-8" |

----- HOT WATER LINE
 _____ COLD WATER LINE

PLUMBING NOTES:

- WHEN WATER HEATERS OR HOT WATER STORAGE TANKS ARE INSTALLED IN LOCATIONS WHERE TANK OR CONNECTION LEAKAGE COULD CAUSE DAMAGE, THE TANK OR THE WATER HEATER SHALL BE INSTALLED IN A GALVANIZED STEEL OR OTHER METAL PAN OF EQUAL CORROSION RESISTANCE HAVING A MINIMUM THICKNESS OF 24 GAUGE, 0.0276 INCH. ELECTRICAL WATER HEATERS SHALL BE INSTALLED IN A METAL PAN AS REQUIRED OR IN A HIGH-IMPACT PLASTIC PAN OF AT LEAST 0.0625 INCH THICKNESS.
- THE PAN SHALL NOT BE LESS THAN 1 1/2 DEEP AND SHALL BE OF SUFFICIENT SIZE AND SHAPE TO RECEIVE ALL DRIPPING OR CONDENSATE FROM THE TANK OR WATER HEATER. THE PAN SHALL BE DRAINED BY AN INDIRECT WASTE PIPE HAVING A MINIMUM DIAMETER OF 1 INCH OR THE OUTLET DIAMETER OF THE REQUIRED RELIEF VALVE, WHICHEVER IS LARGER.
- THE PAN SHALL EXTEND FULL-SIZE AND TERMINATE OVER A SUITABLY LOCATED INDIRECT WASTE RECEPTOR OR FLOOR DRAIN OR EXTEND TO THE EXTERIOR OF THE BUILDING AND TERMINATE NOT LESS THAN 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE ADJACENT GROUND SURFACE.
- IN CONCEALED LOCATIONS WHERE PIPING IS INSTALLED THROUGH HOLES OR NOTCHES IN STUDS, JOISTS, RAFTERS OR SIMILAR MEMBERS LESS THAN 1 1/2 INCHES FROM THE NEAREST EDGE OF THE MEMBER, THE PIPE SHALL BE PROTECTED BY SHIELD PLATES. PROTECTIVE SHIELD PLATES SHALL BE A MINIMUM OF 1/16 INCH THICK STEEL, SHALL COVER THE AREA OF THE PIPE WHERE THE MEMBER IS NOTCHED OR BORED, AND SHALL EXTEND A MINIMUM OF 2 INCHES ABOVE SOLE PLATES AND BELOW TOP PLATES.
- FIXTURES, INCLUDING P TRAPS, WITH CONCEALED SLIP-JOINT CONNECTIONS SHALL BE PROVIDED WITH AN ACCESS PANEL OR UTILITY SPACE AT LEAST 12 INCHES IN ITS SMALLEST DIMENSION OR OTHER APPROVED ARRANGEMENT SO AS TO PROVIDE ACCESS TO THE SLIP CONNECTIONS FOR INSPECTION AND REPAIR.
- THE DISCHARGE FROM AN AUTOMATIC CLOTHES WASHER SHALL BE THROUGH AN AIR BREAK AND CONNECTED TO A STANDPIPE.
- STANDPIPES SHALL BE INDIVIDUALLY TRAPPED. STANDPIPES SHALL EXTEND A MINIMUM OF 18 INCHES AND A MAXIMUM OF 30 INCHES ABOVE THE TRAP. ACCESS SHALL BE PROVIDED TO ALL STANDPIPE TRAPS AND DRAINS FOR RODDING.
- THE PUMP SHALL BE ACCESSIBLE ON ALL WHIRLPOOL BATHTUBS.
- SHOWER AND TUB-SHOWER COMBINATION VALVES SHALL BE BALANCED PRESSURE, THERMOSTATIC OR COMBINATION MIXING VALVES. SUCH VALVES SHALL BE EQUIPPED WITH HANDLE POSITION STOPS THAT ARE FIELD ADJUSTED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS TO A MAXIMUM HOT WATER SETTING OF 120 DEGREES F.
- THE FLOW VELOCITY OF THE WATER DISTRIBUTION SYSTEM SHALL BE CONTROLLED TO REDUCE THE POSSIBILITY OF WATER HAMMER. A WATER HAMMER ARRESTER SHALL BE INSTALLED WHERE QUICK CLOSING VALVES ARE UTILIZED, UNLESS OTHERWISE APPROVED. THE ARRESTER SHALL BE LOCATED WITHIN AN EFFECTIVE RANGE OF A QUICK CLOSING VALVE. WATER HAMMER ARRESTERS SHALL CONFORM TO ASSE 1010. ACCESS SHALL BE PROVIDED TO WATER HAMMER ARRESTERS.
- SERVICE AND HOSE BIBB VALVES INSTALLED ON SITE BY OTHERS SHALL BE IDENTIFIED WITH A HANG TAG. WASHER AND HOSE BIBBS SHALL HAVE A VACUUM BREAKER INSTALLED.
- DRAIN WASTE AND VENT LINES SHALL MEET ASTM D2662-89A REQUIREMENTS AND BE COMPLIANT WITH ALL APPLICABLE STATE CODES.
- WATER DISTRIBUTION SYSTEM SUPPLY LINES WILL BE COMPLIANT WITH ALL STATE CODES.

ALL PLUMBING IS STUBBED THRU

SUPPLY GENERAL NOTES

- ALL SUPPLY LINES WILL BE COMPLIANT WITH ALL STATE CODES.
- EXTERIOR FAUCETS TO BE PROVIDED WITH ANTI-SIPHON DEVICES AND FROST PROOF.
- ALL PIPES AND FITTINGS TO BE 1/2" DIA. UNLESS SPECIFIED OTHERWISE.

_____ COLD (ALL PIPING BELOW FLOOR INSTALLED ON SITE)
 ----- HOT (ALL PIPING BELOW FLOOR INSTALLED ON SITE)
 —X— SHUTOFF VALVE & AIR CHAMBER

ALL PLUMBING BELOW FLOOR IS INSTALLED ON SITE BY OTHERS.
 PLUMBING IS ONLY DROPPED THRU FLOOR. WATER HEATER IS OPTIONAL

DWV GENERAL NOTES:

- ALL PIPES WILL BE COMPLIANT WITH ALL APPLICABLE STATE CODES.
- ALL PIPES AND FITTINGS TO BE 1 1/2 DIA. UNLESS SPECIFIED OTHERWISE
- A COPY OF THIS DRAWING SHALL BE INCLUDED IN THE INSTALLATION INSTRUCTIONS FOR SITE INSTALLATION OF PIPE AND FITTINGS.
- DRAIN DUMP MAY BE DRTL OR 90 DEGREES DBL. L OR WYE.
- DENOTES SHIP LOOSE FOR ON SITE INSTALLATION.
- STOOL TRAP ARM MAX. 6.
- DENOTES PLEG. THRU FLOOR.