



## VENT THROUGH ROOF

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REFER TO PLANS FOR VENT THRU ROOF PIPE SIZES AND LOCATIONS. LOCATE VENT THRU ROOF MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VENT THRU ROOF MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

- ANCHOR PIPE TO ROOF DECK WITH U-BOLT AROUND PIPE AND ANGLE IRON WELDED OR SCREWED TO ROOF DECK OR JOIST. MINIMUM 12" BELOW ROOF. -NO-HUB PIPE CONNECTORS ON CAST IRON PIPE OR BELL AND

WATER HAMMER ARRESTOR SIZING CHART		
FIXTURE UNIT RATING	CONNECTION TO SUPPLY LINE	
1-11	3/4"	
12-32	1"	
33-60	1"	
61-113	1"	
114-154	1"	
155-330	1"	

	AUTO
A3-	NTS

DETAIL SHOWS TRAP PRIMER INSTALLATION CONCEALED FOR PUBLIC AREAS, SUCH AS TOILETS. IN NON-PUBLIC AREAS, SUCH AS EQUIPMENT ROOMS, TRAP PRIMERS MAY BE INSTALLED THIS WAY ALSO, OR IN EASILY-ACCESSIBLE, EXPOSED BUT INCONSPICUOUS LOCATIONS, THEREBY OMITTING THE ACCESS DOOR. INSULATION ONLY ABOVE GROUND ON "M" OR "L" COPPER.

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DMATIC TRAP PRIMER

1/2" TYPE "K" SOFT COPPER TUBE BELOW -FLOOR SLAB WITHOUT JOINTS. SLOPE

TRAP PRIMER WITH INTEGRAL VACUUM BREAKER.-

PROVIDE COUPLING -

FLOOR-

TOWARD FLOOR DRAIN TRAP. PROVIDE

1/2" ELASTOMERIC INSULATION FROM

TRAP TO ABOVE FLOOR SLAB.

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CPVC DRAIN FITTING

REFER TO SPECIFICATIONS, SCHEDULES AND NOTES FOR ADDITIONAL INFORMATION. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. VERIFY ALL CONNECTION SIZES AND LOCATIONS PER MANUFACTURERS REQUIREMENTS. ADJUST TO SUIT FIELD CONDITIONS. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF EXPANSION TANK. REFER TO FLOOR PLANS FOR PIPE SIZES. PROVIDE SEISMIC STRAP OR BRACING, HEAT TRAP AND AUTOMATIC VACUUM RELIEF VALVE WHEN REQUIRED BY LOCAL AUTHORITIES.

DHW PIPING TO FIXTURES AS SHOWN ON PLANS. DCW SUPPLY TO-WATER HEATER. BALL VALVE-----(TYPICAL) THERMOMETER -PROVIDE PIPE UNION, -----DIELECTRICIF REQUIRED FOR DISSIMILARMETALS (TYPICAL). PROVIDE ASME TEMPERATURE-AND PRESSURE RELIEF VALVE RATED AT 210°F/150 PSIG. WATTS NO. 100XL-4-125. ELECTRIC WATER HEATER.----REFERTO SPECIFICATIONS AND SCHEDULE. SET WATER HEATER ON-SHELF ABOVE UTILITY SINK. DRAIN VALVE BY WATER -----HEATER MANUFACTURER. OATEY 34152 22" DIAMETER-ALUMINUM DRAIN PAN WITH 1"

CHECK VALVE (TYPICAL) ------

NOTE: 1. FIRST 8'-0" OF OUTLET PIPING TO BE INSULATED. 2. ALL HEAT TRACED OR EXTERNALLY HEATED PIPING TO BE INSULATED.

HEAT TRAP (TYPICAL) ------

⊳ ⊳ < - FLOOR DRAIN OR FLOOR SINK P-TRAP WITH TRAP PRIMER CONNECTION.

SERVED BY A PRIMER. LOCATED IN A CHASE OR WALL, PROVIDE A HINGED, LOCKABLE, PRIME COATED ACCESS DOOR IN AN ACCESSIBLE BUT INCONSPICUOUS PLACE.

SERVED. PRIMER MAY BE LOCATED ABOVE CEILING WHERE ACCESSIBLE. IF

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- TRAP PRIMER IN CHASE OR UNDER FIXTURE. INSTALL PRIMER MINIMUM SIX INCHES ABOVE FLOOD RIM OF FIXTURE BEING

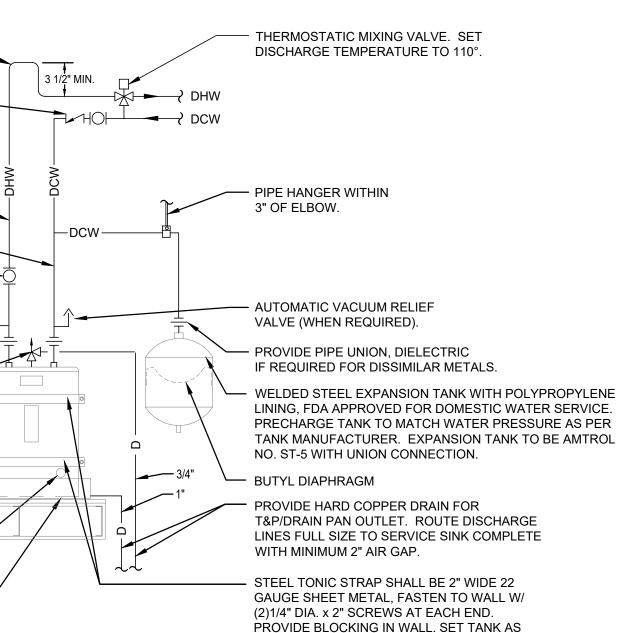
- DOMESTIC COLD WATER LINE IN PLUMBING CHASE OR UNDER FIXTURE. MAKE BRANCH TO TRAP PRIMER OFF TOP OF THIS PIPE.

CLOSE TO WALL AS POSSIBLE. PROVIDE

WOOD BLOCKS FOR SPACERS BETWEEN

WALL AND WATER HEATER.

## ELECTRIC DOMESTIC WATER HEATER



DISCHARGE TEMPERATURE TO 110°.

- THERMOSTATIC MIXING VALVE. SET

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