



PLAN NOTES

- ① INSTALL ECCENTRIC REDUCERS WITH FLAT SIDE ON BOTTOM.
- ② SPECIAL CLASS STEAM VALVES WITH WELDED ENDS PER SPECIFICATION 15506.
- ③ SIZE CONTROL PIPE PER MANUFACTURERS INSTRUCTIONS, MINIMUM 1/2".
- ④ INSTALL BOLTS MARKED "B7" FOR ALL FLANGED COMPONENTS IN THIS DETAIL.
- ⑤ ALL PIPE, FITTINGS, VALVES, ETC. WITHIN THIS BOUNDARY ARE TO BE HIGH PRESSURE STEAM PIPING SYSTEM COMPONENTS EVEN IF LABELED MPS. REFER TO SPECIFICATION 15506.
- ⑥ VALVE IN THIS POSITION SO THAT DRIP LEG CAP CAN BE OPENED WITHOUT SHUTTING DOWN MAIN.
- ⑦ PROVIDE TEN STRAIGHT PIPE DIAMETERS MINIMUM FROM TEE TO PRV.
- ⑧ SEAL WELD FIRST VALVE IN TRAP DETAIL AT THIS LOCATION.
- ⑨ SEAL WELD FIRST VALVE AT GAUGE. SECOND VALVE IS THREADED.
- ⑩ MOUNT ENTIRE PRV STATION ON ROLLERS. ROLLERS SHALL BE FLOOR SUPPORTED (DO NOT ATTACH TO WALLS) WITH 4" x 4" x 5/16" ANGLE IRON STRUCTURE. ANCHOR AND GROUT FLOORPLATE.
- ⑪ PITCH PIPE DOWN FROM PRV AT 1/4" PER FOOT SLOPE MINIMUM OR GREATER IF PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ⑫ FIFTEEN DIAMETERS STRAIGHT PIPE RUN MINIMUM FROM ORIFICE PLATE TO TEE.
- ⑬ STRAINER WITH BLOW DOWN VALVE AND CAPPED NIPPLE. LAY STRAINER ON ITS SIDE TO MINIMIZE CONDENSATE BUILDUP.
- ⑭ INSTALL MUFFLING ORIFICE PLATE WITH PERFORATIONS ON UPSTREAM SIDE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
- ⑮ FIVE PIPE DIAMETERS STRAIGHT RUN MINIMUM UPSTREAM AND DOWNSTREAM OF ORIFICE PLATE.
- ⑯ ROTATE GATE VALVES 45 DEGREES FROM VERTICAL. INSULATE VALVE BONNETS.
- ⑰ KEEP SHUTOFF VALVES AND STRAINERS AS CLOSE TO THE TEES AS POSSIBLE.
- ⑱ SEE SAFETY RELIEF VALVE DETAIL.
- ⑲ INSTALL CONTROL PIPE MINIMUM TEN DIAMETERS DOWN STREAM OF ORIFICE PLATE.

A MEDIUM PRESSURE REDUCING STATION (PRV-2) DETAIL
NO SCALE