



#### NOTES:

1. SEE FLOOR PLANS FOR PIPE SIZES.
2. SEE EQUIPMENT SCHEDULES FOR VALVE DATA AND PIPE SIZES. INSTALL VALVES AS RECOMMENDED BY MANUFACTURER.
3. BYPASS WILL BE SIZED TO MEET THE CAPACITY OF THE COMBINED CAPACITY OF THE TWO PRV'S.
4. PROVIDE NECESSARY UNIONS FOR THE REMOVAL OF VALVE WITH THREADED CONNECTIONS.
5. SLOPE PILOT CONTROL LINE FROM THE PRESSURE REDUCING VALVE TO DOWNSTREAM STEAM PIPING. MIN SLOPE WILL BE 25mm/300mm (1"/12").
6. PROVIDE MINIMUM 5 PIPE DIAMETERS STRAIGHT PIPE UPSTREAM AND MINIMUM 10 PIPE DIAMETER STRAIGHT PIPE DOWNSTREAM OF ALL PRV'S.
7. ALL UPSTREAM REDUCERS WILL BE ECCENTRIC IF REQUIRED.

#### DESIGNER'S NOTES:

- (N1) DESIGNATE MIDDLE PRV VALVE A AND UPPER PRV VALVE B (1-PRV1A, 1-PRV1B). USE SYSTEM PRESSURE FOR 1-PRV1A AND SET PRESSURE 13.8kPa (2 PSIG) HIGHER.
- (N2) USE DUAL VALVE PRESSURE REDUCING STATION WHEN THE MINIMUM LOAD IS 10% OR LESS THAN PEAK LOAD.
- (N3) SAFETY VALVES WILL BE SIZED TO PROTECT DOWNSTREAM SYSTEM FROM OVER PRESSURIZATION. VENT PIPE WILL BE SIZED PER ASME REQUIREMENTS. VENTS FROM SAFETY VALVES WILL RUN THE SHORTEST AND MOST DIRECT ROUTE TO OUTDOOR THRU THE ROOF. WHERE VENTS RUN IN FINISHED SPACE, THEY WILL BE FURRED IN TO MATCH ADJACENT BUILDING CONSTRUCTION; IN UNFINISHED SPACE, PIPE TO BE COVERED ONLY. THE SAFETY VALVES WILL BE LOCATED AS SHOWN ON THE FLOOR PLANS..
- (N4) PIPE DIMENSION WILL BE AS INDICATED IN CONTRACT DRAWINGS OR BY MANUFACTURER'S RECOMMENDATION.
- (N5) DELETE DESIGNER'S NOTE WHEN COMPLETED.

### STEAM PRESSURE REDUCING STATION DOUBLE VALVE (1/3 AND 2/3)



NTS



U.S. Department  
of Veterans Affairs

DETAIL TITLE / STEAM PRESSURE REDUCING STATION  
DOUBLE VALVE (1/3 AND 2/3)

SCALE: NONE

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