



- NOTES:
1. THERMOCOUPLES LOCATED AT EXHAUST TRANSITION ELBOW.
  2. PIPING MUST BE SUPPORTED COMPLETELY FREE OF THE ENGINE TURBOCHARGER INTAKE PER THE FLEXIBLE CONNECTION.
  3. USE LOW ANGLE ELBOW.
  4. 125# MSR STANDARD FLANGE.
  5. FILTER IS WITHIN AIR FLEXIBLE OPEN TO ATMOSPHERE.
  6. THE RELATIONSHIP OF THE INTAKE AIR FILTER TO THE EXHAUST SILENCER SHALL BE SUCH THAT THE HOT GASES OFF OF THE EXHAUST SILENCER WILL NOT BE CIRCULATED INTO THE INTAKE AIR FILTER.

11. SOUND INSULATION SHOULD BE APPLIED TO THE PIPE BETWEEN SILENCER AND AIR FILTER (SEE EXHAUST FLEXIBLE CONNECTION) WITH FREQUENCY RANGING FROM 2000 TO 8000 HZ.
12. SET UP THE VALORIZED FLEXIBLE COUPLING SHOULD BE PROVIDED AT 90° AND 180° POSITIONS.
13. PIPE RUN BETWEEN THE SILENCER AND THE FLEXIBLE HOSE SHOULD BE STRAIGHT AND NO BENT OR PRACTICAL.
14. AT PIPE RUN OF SIZE 8" & 1" PIPE IS REQUIRED FOR CLAMP INSULATION.
15. FLEX FOR 1/2" OF 1/2" TO 1" TO ACCOMMODATE THE FLEXIBLE COUPLING.

LINE LISTING

| LINE | PIPE SPEC. | PRESSURE  | TEMPERATURE | CLASS | MATERIAL |
|------|------------|-----------|-------------|-------|----------|
| 01   | PS 150.3   | 14.7 PSIA | 1000°F      | C     | CS       |
| 02   | PS 150.7   | 15.4 PSIA | 875°F       | C     | CS       |

**ANSTEC APERTURE CARD**

| NO. | REVISIONS                  | DRWN | CHKD | DATE | APP'D | DATE | BY | DATE |
|-----|----------------------------|------|------|------|-------|------|----|------|
| 1   | REV. PER C.O. #2609-5.0-01 |      |      |      |       |      |    |      |
| 2   | REV. PER C.O. #2609-5.0-02 |      |      |      |       |      |    |      |

**Q.R. CONDITION 1**  
 DUKE POWER COMPANY  
 CANTON NUCLEAR STATION UNIT 2  
 FLOW DIRECTION OF DIESEL GEN. ENGINE #18  
 INTAKE & EXHAUST SYSTEM (CW)

PDR RIDS

9603190003

