



LOW PRESSURE STEAM TO WATER HEAT EXCHANGER DETAIL
 M?..?? NOT TO SCALE

KEY NOTES

- ① IFM EFECTOR CABINET MOUNT REMOTE FLOW SYSTEM, MODEL SF. HIGH TEMP STAINLESS STEEL FLOW PROBE, MODEL SF5300.
- ② SAFETY PRESSURE RELIEF VALVE, SEE SCHEDULE. PIPE TO LOCAL FLOOR DRAIN. (IF SYSTEM CONTAINS GLYCOL, RELIEF VALVE SHALL BE PIPED TO GLYCOL TANK).
- ③ INSTALL STRAINER SCREEN POCKETS HORIZONTALLY ON STEAM SUPPLY TO AVOID FORMING CONDENSATE POCKET.

GENERAL NOTES

1. DUPLICATE ASSEMBLY FOR ADDITIONAL HEAT EXCHANGERS (PARALLEL SETUPS).
2. STEAM INLET SHALL BE SIZED AND LOCATED TO AVOID IMPINGEMENT EROSION ON TUBES. PROVIDE EXTENDED SHELL WITH INLET BEYOND U-BENDS.
3. ARRANGE PIPING AND FLANGES TO ALLOW EASE OF CLEANING AND PULLING TUBES WITH MINIMUM DISMANTLING OF PIPES.
4. INSTALL STRAINER SCREEN POCKETS HORIZONTALLY ON STEAM SUPPLY TO AVOID FORMING CONDENSATE POCKET.
5. SUPPORT ALL PIPING INDEPENDENTLY OF HEAT EXCHANGER.
6. MAINTAIN ALL REQUIRED CLEARANCES.
7. INSTALL LONG RADIUS ELLS TO MINIMIZE PRESSURE DROPS.
8. CONDENSATE RETURN SHALL BE PITCHED FROM TRAP DISCHARGES WITH NO LIFT TO GRAVITY CONDENSATE RETURN OR TO A VENTED CONDENSATE RETURN UNIT IF GRAVITY SYSTEM IS UNAVAILABLE.
9. SIZE F&T STEAM TRAPS FOR TWICE THE HTX CAPACITY (MIN) & 1/2 PSI PRESSURE DROP.

PSU OPP STANDARD DETAIL

TITLE: LOW PRESSURE STEAM TO WATER HEAT EXCHANGER WITH EXTENDED SHELL DETAIL (SINGLE HIGH PERFORMANCE V-BALL CONTROL VALVE ARRANGEMENT)		DETAIL #: 235700-D01
SCALE: NONE	PAGE #1 OF 1	DATE: 8/30/2018