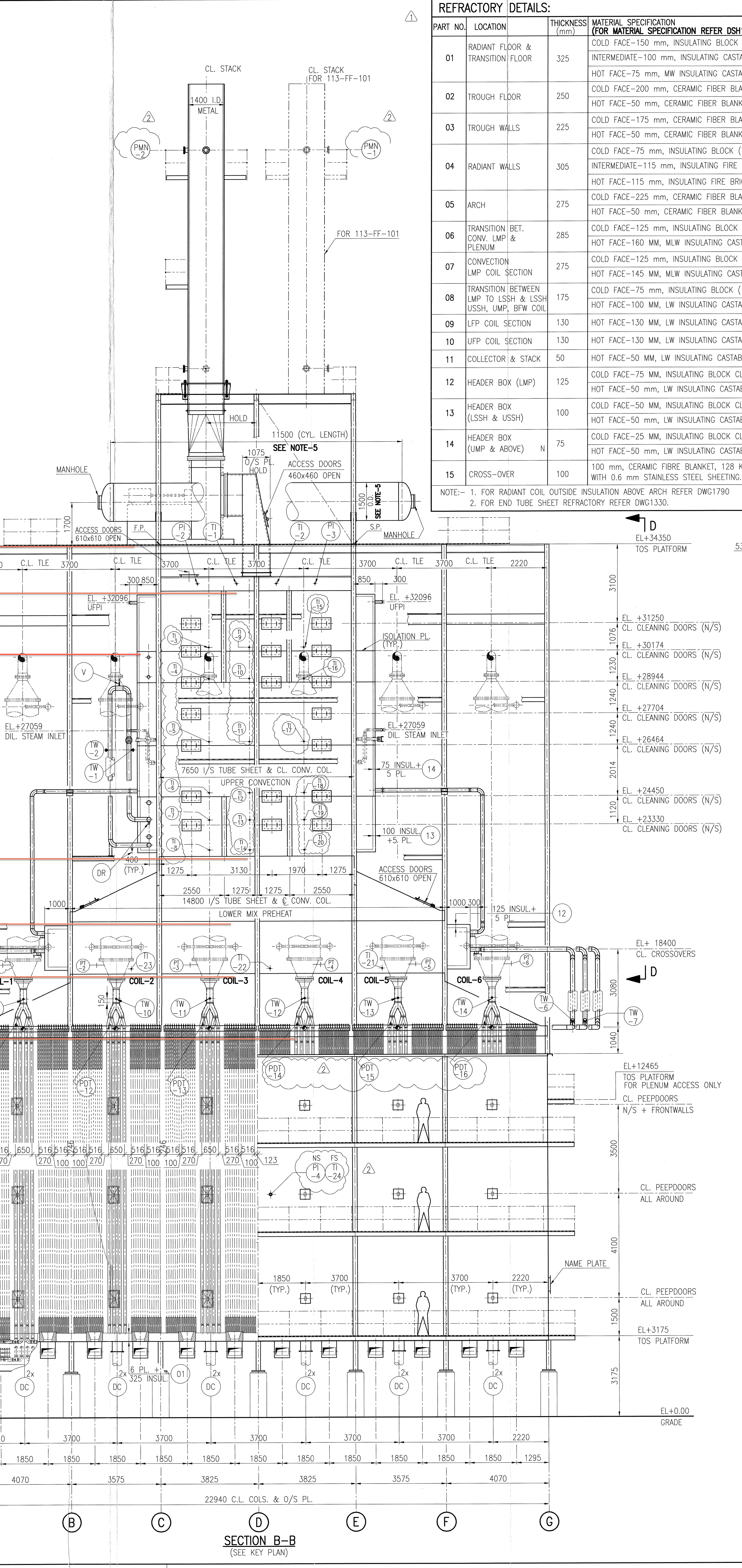
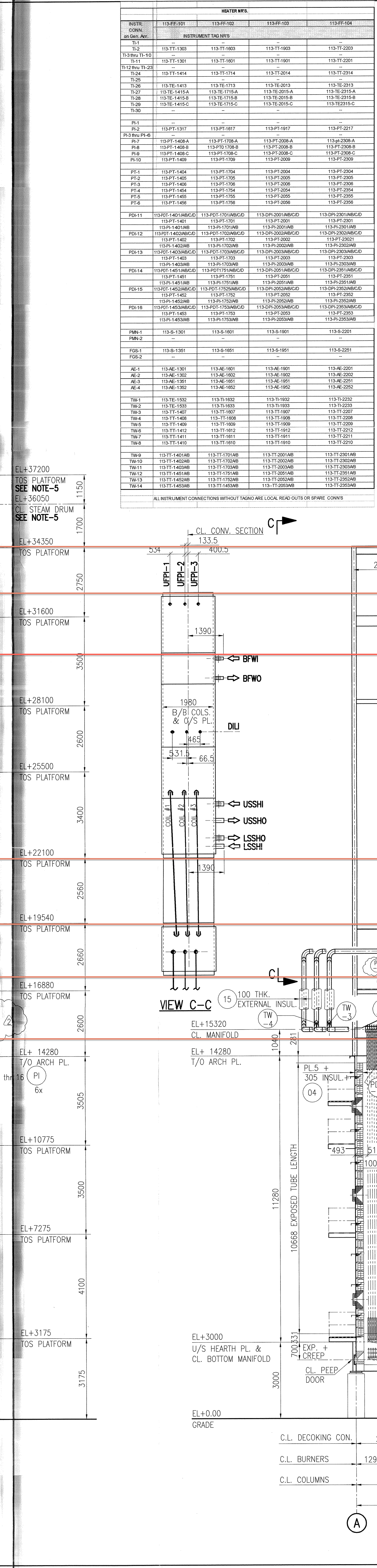
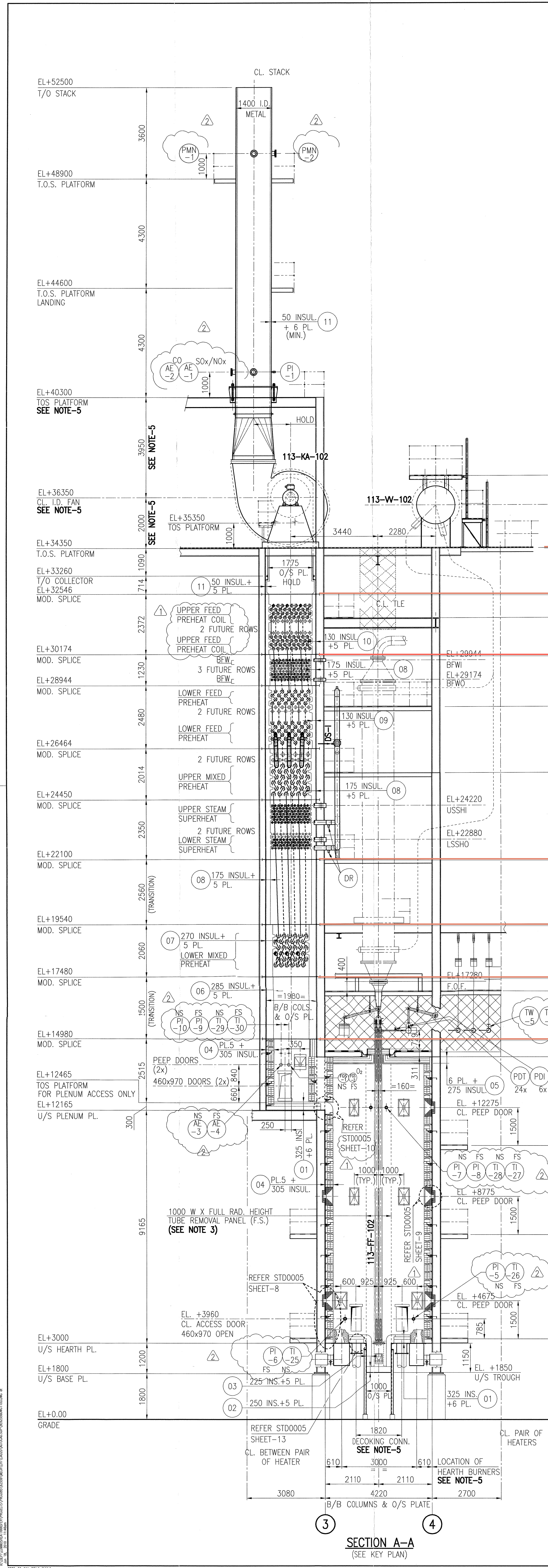


INSTRUMENT CONNECTIONS:									
NOZZLE	NUMBER REQUIRED	DIMENSION & RATING	DESCRIPTION						
PI	10	1-1/2"-150# RF WN FLANGE AS PER STD00057 SASBA-7094	DRAFT GAUGE (HEATER CASING)						
PT	6	FLANGED CONN. SIZE: HOLD	PRESS. CONN. AT TLE INLET CHAMBER						
TI	30	1-1/2"-150# RFSD FLANGE AS PER STD00057 SASBA-7094	TEMPERATURE INDICATOR (HEATER CASING)						
FGS	2	4"-150# RF WN FLANGE AS PER STD00057 SASBA-7094	FLUE GAS SAMPLE (HEATER CASING)						
AE	4	4"-150# RF WN FLANGE AS PER STD00057 SASBA-7094	OXYGEN ANALYSER (HEATER & STACK CASING)						
PMN	2	6"-150# RFSD FLANGE AS PER STD00057 STD00057 SHEET-24	PMN SAMPLE (STACK CASING)						
DR	2	1 1/2"-600# WELDOLLET & PIPE SEE DWG1250	DRAIN (DESUPERHEATER)						
V	1	3/4"-600# NIPOLLET & PIPE SEE DWG1250	VENT (DESUPERHEATER)						
TW	2	2" WELDOLLET SEE DWG1250	THERMOWELL (DESUPERHEATER)						
PDI	6	1/2" SCHED 80 PIPE SEE DWG1200	PRESSURE INDICATOR (RADIANT INLET MANIFOLDS)						
TW	6	1-1/2"-600# LONG WELD NECK FLANGE SEE DWG1235	THERMOWELL (CROSS-OVERS)						
TW	12	1/2" NPT FEMALE SEE DWG1200 & DWG1201	THERMOWELL (RADIANT OUTLETS)						
PDT	24	1/2"-SCHED 80 PIPE SEE DWG1200	PRESS. DIFF. INDICATOR (RADIANT COIL INLETS)						

REFERENCE DRAWINGS

FOUNDATION LOADINGS

RADIANT COIL ASSEMBLY

CONVECTION COIL

CROSS-OVERS

DESUPERHEATER PIPING

NOTES:

1) HATCHED AREA FROM ROOF AND PLATFORM ABOVE, TO BE FREE OF ANY OBSTRUCTION (EQUIPMENT, PIPING ETC.) FROM OTHERS, WITHOUT THE WRITTEN APPROVAL FROM LHT. THE ABOVE IS REQUIRED TO ENSURE FREE MOVEMENT OF RADIANT COIL, CROSSOVERS AND HANGING SYSTEM.

2) ONE HEATER (113-FF-102) IS SHOWN. FOUR (4) HEATERS ARE REQUIRED. HEATERS 113-FF-101, 113-FF-102, 113-FF-104 ARE AS DRAWN & HEATERS 113-FF-101, 113-FF-103 ARE OPPOSITE HAND.

3) THE FULL HEIGHT OF TUBE REMOVAL PANEL SHALL BE REMOVED FOR ONLY ONE HEATER AT A TIME. IT SHOULD BE PUT BACK PROPERLY BEFORE REMOVING THE PANEL ON THE OTHER HEATER.

4) LOCATION AND SUPPORTS OF JACKSHAFT FOR BURNERS TO BE DETERMINED DURING DETAIL ENGINEERING WITH INFORMATION DRAWING(S) FROM BURNER VENDOR.

5) DIMENSIONS TO BE FINALISED BASED ON VENDOR INFORMATION BY OWNER DURING DETAIL ENGINEERING.

6) NS MEANS NEAR SIDE, F.S. MEANS FAR SIDE, F.O.F. MEANS FACE OF FLANGE O/S PL. MEANS OUTSIDE PLATE, I/S PL. MEANS INSIDE PLATE, B/B COLS. MEANS BACK TO BACK COLUMNS

TERMINAL POINTS:

DIMENSIONS AND RATING	SERVICE	DESIGN PRESS. KG/CM ²	DESIGN TEMP. °C	TYPE	MOVEMENT IN mm			ALLOWABLE LOADS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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UPFI-1	B.E. PIPE O.D. (6x)	101.6x5.74 AW	12.0	350	FIXED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0