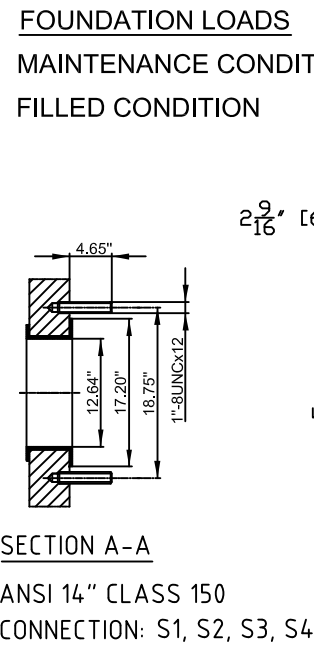


SUPPLIER	ORDER NO.	PLATE HEAT EXCHANGER TL35-BFD ASME		 SERIAL NO. 30113-88708 TO 88713		
ALFA LAVAL INC.	J-41276 (408263)					PROJECT KEMPER COUNTY IGCC PROJECT
CUSTOMER MISSISSIPPI POWER COMPANY	CUSTOMER P.O. NO. MPC17837-0001					
ITEM NO. HX1104, HX1204, HX1304, HX2104, HX2204, HX2304	ITEM NAME VENTURI SCRUBBER PUMP/AROUND COOLERS					
DRAWN BY DMN	CHECKED BY RMN	DATE 9-1-2011				

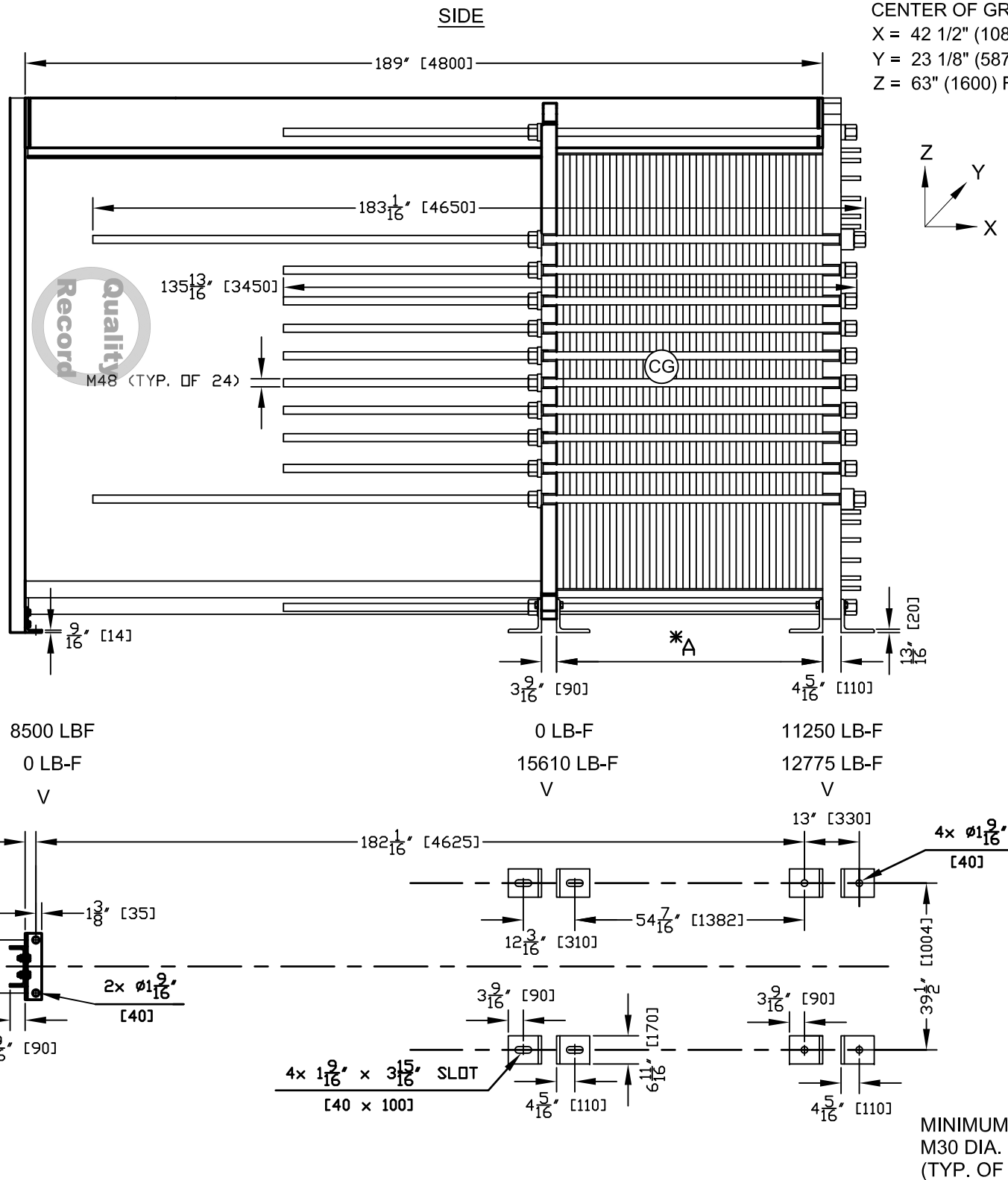
						*
REMARKS:	SIDE 1	SIDE 2	GASKET	NBRP CLIP-ON		
DESIGN PRESSURE	185 PSIG	185 PSIG	PLATE MATERIAL	TITANIUM	MEDIA	WATER
MAWP	185 PSIG	185 PSIG	PLATE THICKNESS	0.50 mm		
TEST PRESSURE	241 PSIG	241 PSIG	HEATING SURFACE	12580 ft²		
DESIGN TEMPERATURE	150 °F	150 °F	PLATE GROUPING	1*(256MM + 15L) / 1*(256ML + 15L) = 543 PLATES (811 MAX)	SIDE	1
MDMT	-20 °F	-20 °F	OPERATING WEIGHT	28385 LBS		2
			NET WEIGHT	22000 LBS		

CERTIFIED
APPROVED FOR FABRICATION
BY DM DATE 9-1-2011



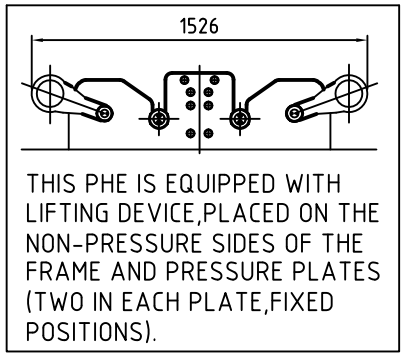
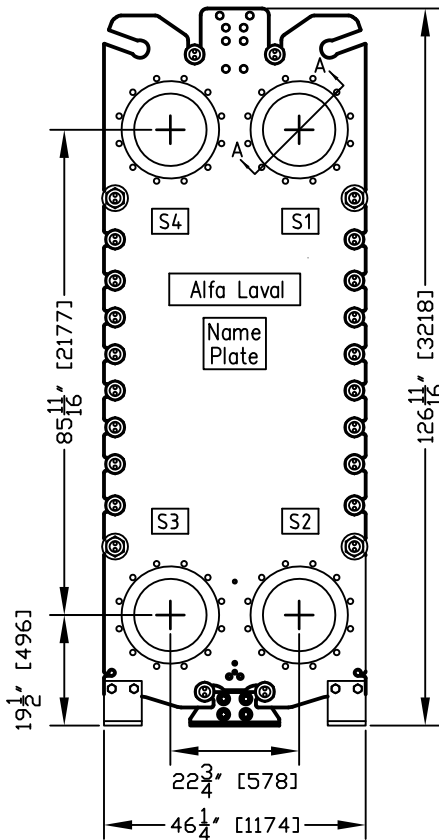
* PLATE PACK TIGHTENING DIMENSION
 $A = N \times (2.45 + X) = 543 \times (2.45 + 0.5) = 1602 \text{ mm} = 63 \frac{1}{16}"$

DIMENSIONS IN PARENTHESIS ARE MILLIMETERS (mm).



NOTES: PAINT: CARBOLINE 8832 ALIPHATIC POLYURETHANE, 3-5 MILS DFT, COLOR AL-BLUE.
DATA BOOK. CUSTOMER INSPECTION.

SIDE	MEDIA	CONNECTIONS	MATERIAL	INLET	TEMPERATURE	OUTLET	TEMPERATURE	FLOW RATE	PRESSURE DROP	LIQUID VOLUME
1	WATER	ANSI 14" CLASS 150	TITANIUM	S1	119.0 °F	S2	91.0 °F	3537000 lb/h	15.39 PSI	51.2 ft³
2	WATER	ANSI 14" CLASS 150	TITANIUM	S3	86.0 °F	S4	114.0 °F	3537000 lb/h	15.46 PSI	51.2 ft³



Approved

REV. 1 - APPROVAL COMMENTS INCORPORATED.
REV. 2 - PORT LINER CONNECTION MATERIAL CORRECTED TO TITANIUM.