

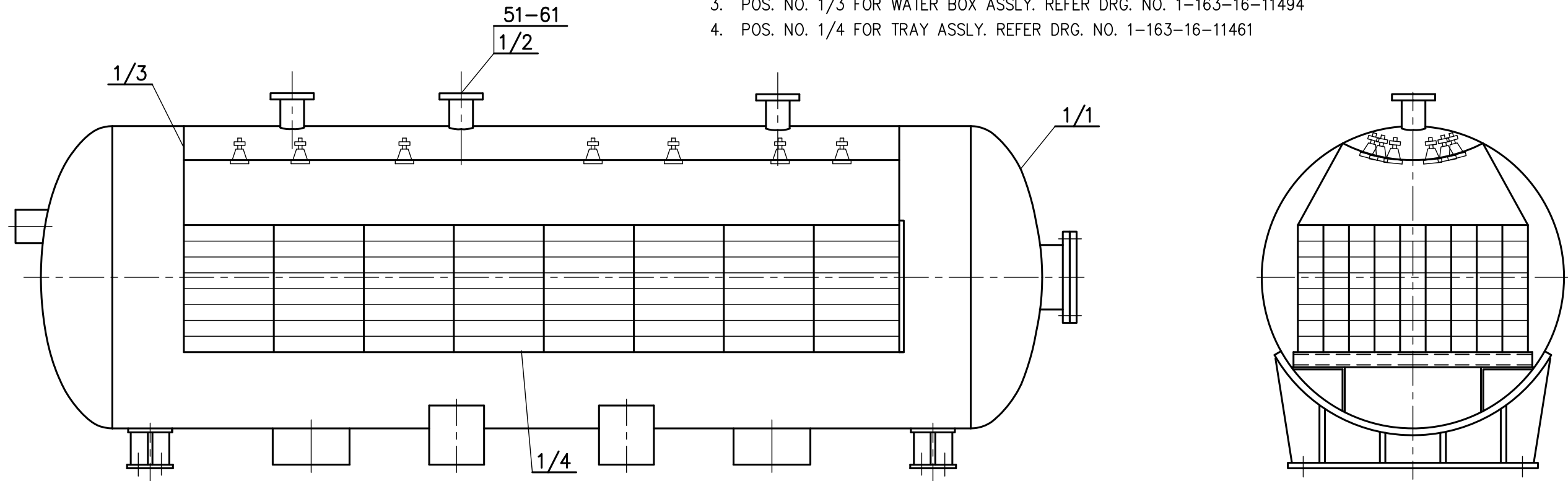
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

DRG. NO. 3-163-16-11762

NOTES:

1. POS. NO. 1/1 FOR SHELL ASSLY. REFER DRG NO. 3-163-16-11753
2. POS. NOS. 1/2, 51-61 FOR NOZZLE ASSLY. REFER DRG. NO. 1-163-16-11519
3. POS. NO. 1/3 FOR WATER BOX ASSLY. REFER DRG. NO. 1-163-16-11494
4. POS. NO. 1/4 FOR TRAY ASSLY. REFER DRG. NO. 1-163-16-11461



DESIGN DATA

DESCRIPTION		
DESIGN PRESSURE	Kg/sq.cm (g)	14.0 & FULL VACUUM
TEST PRESSURE	Kg/sq.cm (g)	25.7
DESIGN TEMP. MAX/MIN	°C	405/0
TEST TEMP. MAX/MIN	°C	AMBIENT/ 20
CORROSION ALLOW.	SHELL/ HEADS	3.2
IN mm	RF PADS/ NOZZLES/ FLANGES mm	1.6
RADIO GRAPHY		100%
JOINT EFFICIENCY		1.0
INSPECTION		APPROVED QP & IBR/DOB
TOTAL WEIGHT OF HEATER	KG	48911
DESPATCH WEIGHT	KG	47784
PWHT		REQUIRED

DESIGN, FABRICATION & TESTING CODE	IBR CHAPTER-XII (CLASS-1 BOILER), ASME SEC VIII DIV.1-2013, HEI-2011
W.O WBSE	W-10324142/143 00
S.O WBSE	M-PA-1042
CUSTOMER DRG.No. / VESSEL NO.	1 163 10 11432 1816/1820
WELD DET.& WPS DRG.No.	2 163 10 00014
NOZZLE DETAIL DRG. No.	1 163 10 11178
HEADER MATERIAL NO.	T31631611754-00

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT **OPGCL-BANHARPALLI 2X660MW**

IMPORTANT NOTE:-

- 1) PAINTING INSIDE: NIL
OUTSIDE: ONE COAT OF ZINC SILICATE PRIMER & TWO COATS OF HEAT RESISTANT ALUMINIUM PAINT AS PER AA56134.

REV.	DATE	ALTERED	CHECKED	APPD
01	18.06.15	Uma	[Signature]	[Signature]
ZONE REVISED IN LINE WITH CUSTOMER REQUIREMENTS.				

DEPT. HEE		BHARAT HEAVY ELECTRICALS LTD.		DRN.	B	NAME	UMA	SIGN.	[Signature]	DATE	10.04.15	NO.OF VAR.	
CODE 405		HYDERABAD		CHD.	UMESH	NAME	MENON	[Signature]	[Signature]	DATE	10.04.15	NO	NA
GRADE OF TOL.DIM. C/M/F		SCALE NTS		APPD.	ACS			[Signature]	[Signature]	DATE	10.04.15	NO	NA
TITLE		HEATER ASSLY. (DEAERATOR)		WEIGHT (KG)		REF. TO ASSY DRG.		ITEM NO.		DRAWING NO.		REV.	
				NA		NA		NA		3-163-16-11762		01	
						SHEET No.		NO OF SHEETS					

INVENTORY NO. SIGN. AND DATE REF. DRG. NO. THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY