



DESIGN DATA	
DESIGN CODE	ASME SEC. VIII DIV. 1 (2013 ADD.) TEMA-R*
CODE STAMP	YES (7" STAMP)
NATIONAL BOARD REGISTRATION	NO
TYPE	N/A
SURFACE AREA	153.1 m <sup>2</sup> (NOTE 12)
FLUID	BRN / STEAM PROCESS GAS/SULFUR
DESIGN PRESSURE	6.32 / 4.9 kg/cm <sup>2</sup>
OPERATING PRESSURE	5.1 kg/cm <sup>2</sup>
DESIGN TEMPERATURE	230 °C (NOTE 8)
OPERATING TEMPERATURE	112 °C, 159 °C, 98.1 °C, 172 °C
M.A.M.P	6.32 kg/cm <sup>2</sup> (5.84 kg/cm <sup>2</sup> )
M.D.M.T	16 °C
POST WELD HEAT TREATMENT	NO
HYDROSTATIC TEST PRESSURE	8.48 kg/cm <sup>2</sup> (NO kg/cm <sup>2</sup> )
PAENOMATIC TEST PRESSURE	NO kg/cm <sup>2</sup> (LATER kg/cm <sup>2</sup> )
RADIOGRAPHIC TEST	FULL
JOINT EFFICIENCY	1.0
MANHOLE NECK	1.0
CORROSION ALLOWANCE	3.0 mm (0 mm)
INSULATION	TUBE SHEET 3.0 mm (3.0 mm)
INSULATION	EXTERNAL 100 mm
FIRE PROTECTING	NO
WIND DESIGN	SEE NOTE 10
SEISMIC DESIGN	SEE NOTE 11
WEIGHT	EMPTY 22,400 kg
	OPERATION 49,100 kg
	FULL WATER 55,000 kg
PAINTING	REFER TO PAINT PROCEDURE "S-200-1340-0001"

**GENERAL NOTE**  
 (S) = PARALLEL TO THE SHELL CENTER LINE  
 (P) = PERPENDICULAR TO THE SHELL CENTER LINE  
 (N) = PARALLEL OR PERPENDICULAR TO THE NATURAL CENTER LINE

N/B No. : NO  
 W/O No. : G-0799-215B-101-A  
 MFGS SERIAL No. : HT14-031  
**ASME** CODE STAMPED WORK (U)

REV.	DATE	DESCRIPTION	PREP'D	CHK'D	APP'D
03	JUN-14	FOR APPROVAL	J.H. PARK	J.H. KO	H.W. PARK
02	JUN-14	FOR APPROVAL	J.H. PARK	J.H. KO	H.W. PARK
01		DESCRIPTION	PREP'D	CHK'D	APP'D

**JGC HANYANG INDUSTRY CO., LTD.**

WASTE HEAT BOILER & SULFUR CONDENSERS  
 (SG-2501A/SG-2501B/SG-2501C)  
 ASSEMBLY DRAWING(1/2)

DATE	30 - 05 - 14	SCALE	1/30	CLASS	V/Z
PREP'D	J.H. PARK	CHK'D	J.H. KO	APP'D	H.W. PARK
JGC DWG No.	V-215B-101-A-303				
OWNER DWG No.	BSR1301-025-41101-0100-001-001				

V-215B-101-A-303  
 SIZE A1