





NO.	DESCRIPTION	MATERIAL	Q'TY	SIZE	REMARK
1	STEAM DRUM	A516-70	1	26T x ID1524 x TL5380	
2	WATER HEADER	SPPS370E	2	250AxS80	
3	MAIN DOWNCOMER	SPPS370E	2	250AxS80	
4	FRONT WALL DOWNCOMER	SPPS370E	2	150AxS80	
5	FRONT WATER COOLING DOWNCOMER	SPPS370E	2	150AxS80	
6	FURNACE SIDE DOWNCOMER	SPPS370E	8	150AxS80	
7	FURNACE REAR WALL DOWNCOMER	SPPS370E	2	150AxS80	
8	SIDE WATER COOLING DOWNCOMER	SPPS370E	2	100AxS80	
9	FURNACE SIDE WALL	SPPS370E/A178A	2	200AxS160/ø76.2x5T	
10	FRONT WATER COOLING WALL	SPPS370E/A178A	1	150AxS160/ø76.2x5T	
11	SIDE WATER COOLING RISER	SPPS370E/A178A	2	150AxS80/ø76.2x5T	
12	FRONT RISER PIPE	SPPS370E	2	150AxS80	
13	MAIN RISER PIPE	SPPS370E	2	250AxS80	
14	MAIN RISER PIPE	SPPS370E	2	250AxS80	
15	FRONT WALL	SPPS370E/A178A	1	200AxS160/ø76.2x5T	
16	1ST CHAMBER SIDE WALL	SPPS370E/A178A	2	200AxS160/ø76.2x5T	
17	1ST DIVISION WALL	SPPS370E/A178A	1	200AxS160/ø76.2x5T	
18	1ST DIVISION RISER PIPE	SPPS370E	5	100AxS80	
19	BAFFLE RISER PIPE	SPPS370E	3	150AxS80	
20	BAFFLE PANEL	SPPS370E/A178A	3	200AxS160/ø50.8x5T	
21	SIDE RISER PIPE	SPPS370E	8	100AxS80	
22	SUPPER HEATER SCREEN	SPPS370E/A178A	1	200AxS160/ø76.2x5T	
23	2ND CHAMBER SIDE WALL	SPPS370E/A178A	2	200AxS160/ø76.2x5T	
24	2ND DIVISION WALL	SPPS370E/A178A	1	200AxS160/ø76.2x5T	
25	REAR WALL	SPPS370E/A178A	1	200AxS160/ø76.2x5T	
26	SUPPER HEATER	A335-P22/A213-T22	1	6"xS80/ø50.8x5T	
27	EVAPORATOR	A106B/STBH340E	1	16"xS80/ø50.8x5T	
28	DIVISION RISER PIPE	SPPS370E	7	150AxS80	
29	ECONOMIZER	A106B/A178C	1	6"xS80/ø38.1x4T	

EQUIPMENT LIST				
NO.	EQUIPMENT NO.	EQUIPMENT NAME	Q'TY.	REMARK
1	BFN-201	WASTE HEAT BOILER	1SET	
2	-	ECONOMIZER	1SET	

  

DESIGN DATA (WASTE HEAT BOILER)	
ITEM NO.	BFN-201
DESIGN CODE	에너지 이용 합리화법
FLUE GAS FLOW RATE (MCR)	29,461 Nm <sup>3</sup> /hr
DESIGN PRESS.	30 kg/cm <sup>2</sup> g
OPERATING PRESS.(at main steam header inlet)	26.5 kg/cm <sup>2</sup> g
FLUE GAS INLET TEMP.(1st combustion chamber outlet)	1,275 °c
FLUE GAS OUTLET TEMP.	205.4 °c
EVAPORATOR WATER IN/OUT TEMP.	143.2/208 °c
INSULATION	GLASS WOOL 100t-64kg/cm <sup>3</sup>
OUTER CASING	SPCC 0.8t, V-115(SILVER)
RADIOGRAPH TEST	SEE EACH DWG.
P.W.H.T	SEE EACH DWG.
CORROSION ALLOWANCE	SEE EACH DWG.
JOINT EFFICIENCY	SEE EACH DWG.
WEIGHT	
EMPTY	212,000 kg
OPERATING	246,000 kg
FULL OF WATER	254,900 kg

NOTE  
 1. F : FRONT, L : LEFT, R : RIGHT  
 2. S/H : SUPERHEATER  
 B/S : BUCK STAY  
 3. EVA. : EVAPORATOR  
 ECO. : ECONOMIZER

**FOR APPROVAL**

REV.	DATE	DESCRIPTION	DWN	CHKD	REV'D	APPD	L/E	MGR	PM
5	22/JUN/13	FOR APPROVAL	HO LEE	HO LEE	H KANG	SM HONG	HK LEE	JW YANG	JW YANG
4	22/APR/13	FOR APPROVAL	GH PARK	HO LEE	H KANG	SM HONG	HK LEE	JW YANG	JW YANG
3	07/APR/13	FOR APPROVAL	GH PARK	HO LEE	H KANG	SM HONG	HK LEE	JW YANG	JW YANG
2	20/MAR/13	FOR APPROVAL	GH PARK	HO LEE	H KANG	SM HONG	HK LEE	JW YANG	JW YANG
1	31/JAN/13	FOR APPROVAL	GH PARK	HO LEE	H KANG	SM HONG	HK LEE	JW YANG	JW YANG
0	08/JAN/13	FOR APPROVAL	GH PARK	HO LEE	H KANG	SM HONG	HK LEE	JW YANG	JW YANG

PROJECT  
**SAMSUNG ELECTRONICS INCINERATOR REVAMPING PROJECT**

PROJECT COMPANY  
 SAMSUNG ELECTRONICS CO., LTD.  
 SUWON, KOREA

EPC CONTRACTOR  
 SAMSUNG ENGINEERING CO., LTD.  
 SEOUL, KOREA  
 JOB NO. SE2518

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**HANIL HEAVY INDUSTRIES CO., LTD.**

TITLE BFN-201  
**PRESSURE PART ARRANGEMENT(1/5) SIDE VIEW**

SCALE: 1:65      DWG NO.: 2518-VP-5-BFN201-130      REV.5

DWG. START DATE: 08/JAN/13