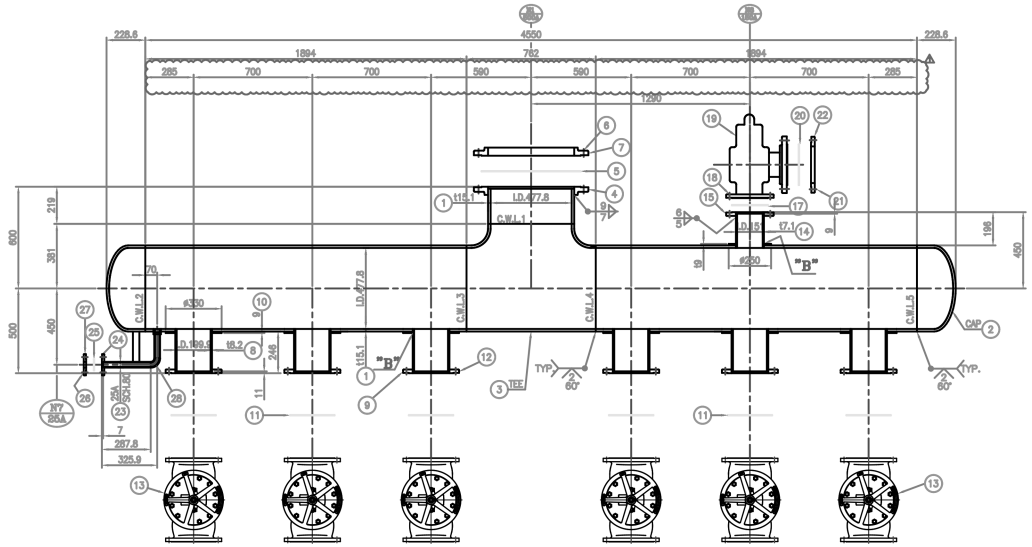
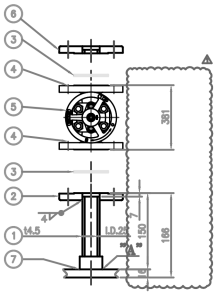
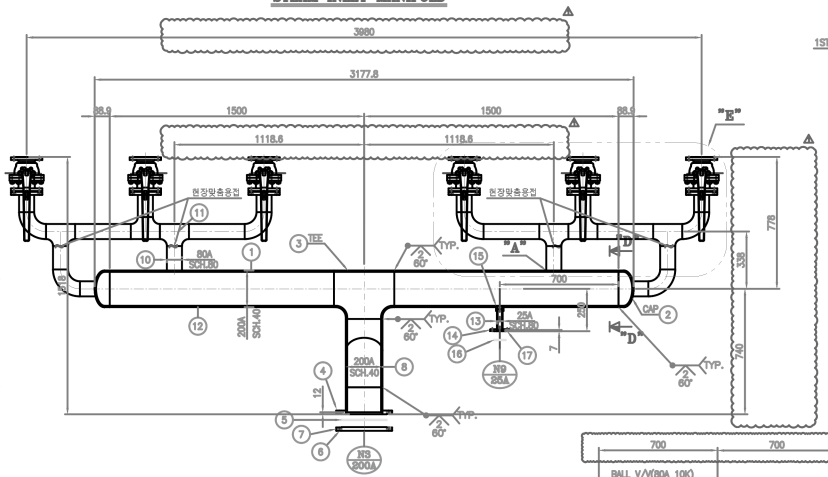
* 본 자료는 AeroPHE 재산 이므로 동의 없이 배포 및 복사를 금합니다.



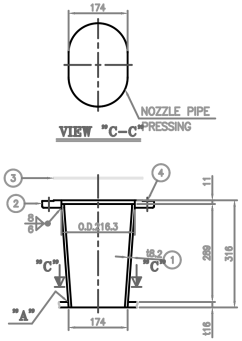
STEAM INLET MANIFOLD



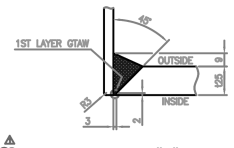
DETAIL OF N5 25A / N6 25A
SCALE(3:1)



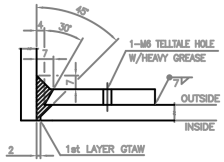
CONDENSATE OUTLET MANIFOLD



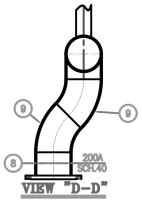
DETAIL OF N3 200A
SCALE(2:1)

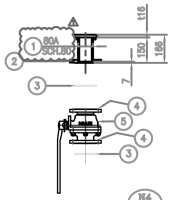


DETAIL OF "A"

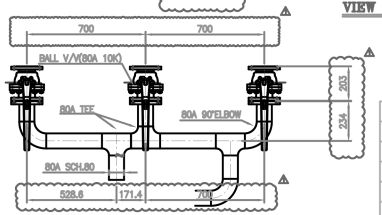


DETAIL OF "B"





DETAIL OF N4 80A



DETAIL OF "E"

BILL OF MATERIAL

No.	Description	Material	Q'ty	Size	Remarks
N2	STEAM INLET				
1	NOZZLE NECK	STPG370	12	200A, SCH.40	
2	FLANGE	SS400	12	200A KS 10K SORF	
3	GASKET	NON-ASBESTOS	12	t3, 200A KS 10K RF	
4	BOLT/NUT	SNB7/SM45C	144Sets	M20xL105	
N3 / N9	CONDENSATE OUTLET(MANIFOLD) / DRAIN				
1	MANIFOLD	STPG370	2Sets	200A SCH.40	
2	CAP	STPG370	4	200A SCH.40	
3	TEE	STPG370	2	200Ax200A SCH.40	
4	MANIFOLD FLANGE	SS400	2	200A KS 10K SORF	
5	GASKET	NON-ASBESTOS	2	t3, 200A KS 10K RF	
6	BOLT/NUT	SNB7/SM45C	24Sets	M20xL105	
7	MANIFOLD COUNTER FLANGE	SS400	2	200A KS 10K SORF	
8	NOZZLE NECK	STPG370	2	200A, SCH.40	
9	ELBOW(45°)	STPG370	4	200A, SCH.40	
10	NOZZLE NECK	STPG370	4	80A, SCH.80	
11	TEE	STPG370	8	80Ax80A SCH.40	
12	RAINF.PAD	SS400	4	t6xø130	
13	NOZZLE NECK	STPG370	2	25A, SCH.80	
14	FLANGE	SS400	2	25A KS 10K SORF	
15	HALF COUPLING	SS400	2	25A, SCH.80	
16	GASKET	NON-ASBESTOS	2	t3, 25A KS 10K RF	
17	BOLT/NUT	SNB7/SM45C	8Sets	M16xL80	
N5 / N6	VENT / DRAIN				
1	NOZZLE NECK	STPG370	8	25A, SCH.80	
2	FLANGE	SS400	8	25A KS 10K SORF	
3	GASKET	NON-ASBESTOS	8	t3, 25A KS 10K RF	
4	BOLT/NUT	SNB7/SM45C	64Sets	M16xL80	
5	GLOBE VALVE	SCPH2	8	25A KS 10K RF	
6	COUNTER FLANGE	SS400	8	25A KS 10K SORF	
7	HALF COUPLING	SS400	8	25A, SCH.80	
N1 / N7 / N8	STEAM INLET(W/MANIFOLD) / DRAIN / PSV				
1	MANIFOLD	STPG370	2Sets	500A SCH.40	
2	CAP	STPG370	4	500A SCH.40	
3	TEE	STPG370	2	500Ax500A SCH.40	
4	MANIFOLD FLANGE	SS400	2	500A KS 10K SORF	
5	GASKET	NON-ASBESTOS	2	t3, 500A KS 10K RF	
6	BOLT/NUT	SNB7/SM45C	40Sets	M24xL135	
7	MANIFOLD COUNTER FLANGE	SS400	2	500A KS 20K SORF	
8	NOZZLE NECK	STPG370	12	200A, SCH.40	
9	FLANGE	SS400	12	200A KS 10K SORF	
10	RAINF. PAD	SS400	12	t9xø330	
11	GASKET	SS400	12	t3, 200A KS 10K RF	
12	BOLT/NUT	SNB7/SM45C	144Sets	M20xL105	
13	GLOBE VALVE	SCPH2	12	200A KS 10K RF	
14	NOZZLE NECK	STPG370	2	150A, SCH.40	
15	FLANGE	SS400	2	150A KS 10K SORF	KS B 6216
16	RAINF. PAD	SS400	2	t9xø250	
17	GASKET	NON-ASBESTOS	2	t3, 150A KS 10K RF	
18	BOLT/NUT	SNB7/SM45C	16Sets	M20xL135	
19	SAFETY VLAVE	C.S.	2	150A, KS 10K RF	"NOTE 1"
20	GASKET	NON-ASBES.	2	t3, 200A KS 10K RF	
21	BOLT/NUT	SNB7/SM45C	24Sets	M20xL105	
22	COUNTER FLANGE	SS400	2	200A KS 10K SORF	
23	NOZZLE NECK	STPG370	2	25A, SCH.80	
24	FLANGE	SS400	2	25A KS 10K SORF	
25	GASKET	NON-ASBESTOS	2	t3, 25A KS 10K RF	
26	BOLT/NUT	SNB7/SM45C	8Sets	M16xL80	
27	COUNTER FLANGE	SS400	2	25A KS 10K SORF	
28	ELBOW(90°)	STPG370	2	25A, SCH.80	
29	HALF COUPLING	SS400	2	25A, SCH.80	

N4	CONDENSATE OUTLET			
1	NOZZLE NECK	STPG370	12	80A, SCH.80
2	FLANGE	SS400	12	80A KS 10K SORF
3	GASKET	NON-ASBESTOS	24	t3, 80A KS 10K RF
4	BOLT/NUT	SNB7/SM45C	192Sets	M16xL85
5	BALL VALVE	SCPH2	12	80A KS 10K RF

GENERAL DESIGN DATA		
KIND OF FLUID	STEAM	
FLOW RATE	17,750	kg/hr
OPER. PRESS.	0.03 (0.3)	MPa.G (kg/cm²G)
DESIGN TEMP.	433 (160)	K (°C)
DESIGN PRESS.	0.5 (5.0)	MPa.G (kg/cm²G)
HYDRO. TEST PRESS.	0.75 (7.5)	MPa.G (kg/cm²G)
CORR. ALLOW.	3.0	mm
CODE	KS, ASME	
RADIOGRAPHY (S/H)	SPOT / NO (SEAMLESS)	

MATERIAL SPECIFICATION			
SHELL & HEAD	STPG370-E/STPG370	NOZZLE NECK	STPG370-E
BOLTING	SNB7/SM45C	FLANGE	SS400
GASKET	NON-ASBESTOS	REINF. PAD	SS400

*** NOTE**

1. SAFETY VALVE
   MAKER : KOREA SPECIAL METAL CO., LTD.
   TYPE : FULL BORE TYPE
   MODEL : KSF-8/8R
   INLET : 150A KS B 6216 10K RF
   OUTLET : 200A KS B 1511 10K RF
   ORIFICE DIA. : 115 mm

REV.NO.	DATE	DESCRIPTION	DRN	DGN	CHK	CHK	APP
1	26.08.18	승인도	K.H.Y	A.Y.M	P.S.H		

PROJECT
거제시 자원순환시설 저압증기복수기 번들 교체

OWNER
거제시 한국환경공단

APHE Aero PHE Corporation

도면명칭 TITLE
LP Steam Condenser
Manifold drawing

척도 SCALE	수량 QUANTITY	프로젝트 번호 PROJECT NO.	도면종류 TYPE	수정 REV. NO.
1/30	1 SET	APHE-1313	A3	1

도면번호 DWG. NO. APHE-GJ-1313-A700
매수 SHEET NO. 1/1

A3(420x297mm)