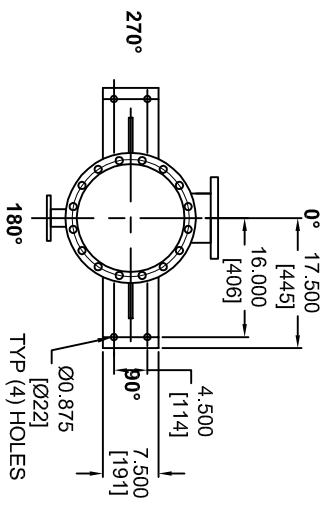
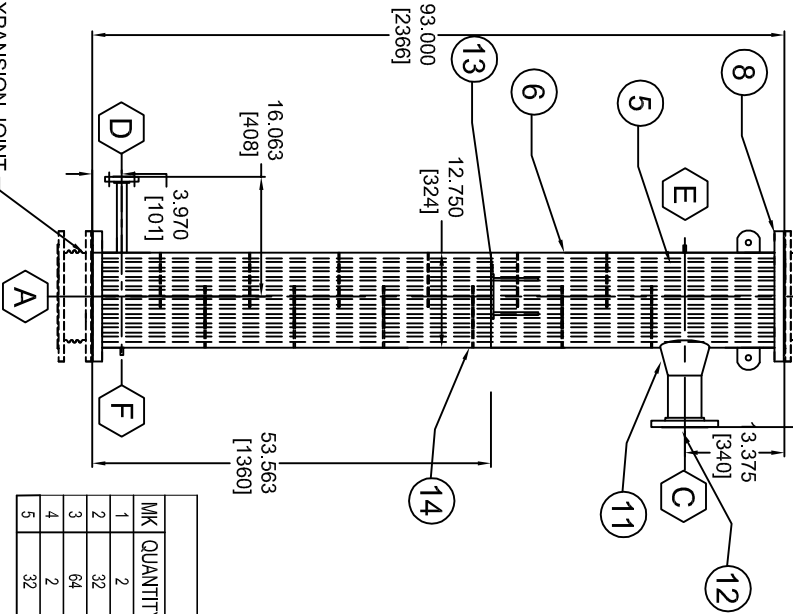
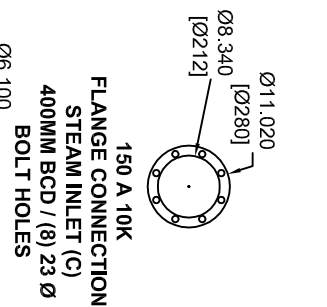


PTFE EXPANSION JOINT  
NOT SUPPLIED  
FOR REFERENCE ONLY

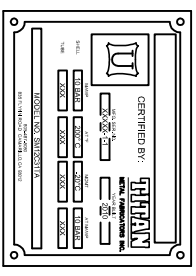
1 2 3 4



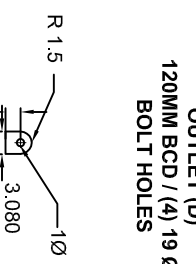
300 A 10K  
FLANGE CONNECTION  
HCL INLET / OUTLET  
400MM BCD / (16) 25 Ø  
BOLT HOLES



150 A 10K  
FLANGE CONNECTION  
STEAM INLET (C)  
400MM BCD / (8) 23 Ø  
BOLT HOLES



NAMEPLATE  
DETAILS



LIFTING LUG  
DETAIL

MK	QUANTITY	DESCRIPTION	MATERIAL OF CONSTRUCTION	COMMENTS
1	2	300A X 3 CONVOLUTION EXPANSION JOINT	PTFE BELLOWS/ CS FLANGES	SUPPLIED BY CUSTOMER
2	32	M220 X 110MM LONG STUDS	SA-193-B7	SUPPLIED BY CUSTOMER
3	64	M22 HEX NUT	SA-193	SUPPLIED BY CUSTOMER
4	2	300A 10K X 3MM THICK RING GASKET	GYLON 3504	SUPPLIED BY CUSTOMER
5	32	M22 FLAT WASHER	CS	SUPPLIED BY CUSTOMER

NOZZLE SCHEDULE

MK	SIZE	RATING	TYPE	SERVICE	REMARK
A	300A	10K	RFSO	HCL LIQUID INLET	---
B	300A	10K	RFSO	HCL LIQUID OUTLET	---
C	150A	10K	RFSO	STEAM INLET	---
D	50A	10K	RFSO	CONDENSATE OUTLET	---
E	19A	3000#	NPT	SHELLSIDE VENT	W/ PLUG
F	19A	3000#	NPT	SHELLSIDE DRAIN	W/ PLUG

TOLERANCES  
(UNLESS OTHERWISE SPECIFIED)  
TOLERANCES ARE NOT ACCUMULATIVE

DECIMAL .032"  
FRACTION 1/16"  
ANGLE 1/2°  
GENERAL: 125°  
DECIMAL .125"  
FRACTION 1/8"  
ANGLE 1°

DATE	BY	DESCRIPTION
2010/01	JM3132/TAST	2PL PICKLING TANK HEAT EXCHANGER

DESIGN CONDITIONS	DESIGN PRESSURE	DESIGN TEMPERATURE	CORROSION ALLOWANCE	RADIOGRAPHY	WELD EFFICIENCY	HEAT TREATMENT	HYDRO TEST PRESS.	WEIGHT EMPTY
BAR	10	-20° / 200°	1.5	NONE	.70	NONE	BAR	776 LBS

MATERIALS OF CONSTRUCTION	TUBES	SHELL	TUBESIDE	QUANTITY
(5) TUBES	SA-1088	SA-1088	SA-1088	1
(6) SHELL	SA-1088	SA-1088	SA-1088	1
(7) BONNETS	SA-1088	SA-1088	SA-1088	0
(8) TUBESHEETS / LINERS	SA-516-70	SA-516-70	SA-516-70	2
(9) BODY FLANGES	SA-1088	SA-1088	SA-1088	0
(10) FLAT HEADS	SA-1088	SA-1088	SA-1088	2
(11) NOZZLE NECKS	SA-1088	SA-1088	SA-1088	2
(12) NOZZLE FLANGES	SA-1088	SA-1088	SA-1088	2
(13) SUPPORTS	SA-1088	SA-1088	SA-1088	2
(14) BARRELS	SA-1088	SA-1088	SA-1088	2
(15) GASKETS	SA-1088	SA-1088	SA-1088	2

TEAM TYPE	TEAM CLASS	TEAM
TEAM TYPE: BEM	TEAM CLASS: B	TEAM: POSO

CLIENT	PROJECT	DATE
CLIENT: JEDMAN - SOUTH KOREA	PROJECT: SM2C31TA	DATE: 2010/01

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