

Document Review Comment Sheet

PEB Ref. No : TB2-PEB-SDC-M1B-TVI-02734

No.	Document No.	Rev	Title	Purpose	Review Status	
					In	Out
1	TB2-SDC.VP105-00100-M-M1B-DGA-0701	C	HP FEEDWATER HEATER #6_GENERAL ASSEMBLY	RE		IB
2	TB2-SDC.VP105-00100-M-M1B-DSW-0702	C	HP FEEDWATER HEATER #6_SHELL SUB ASSEMBLY	RE		IB
3	TB2-SDC.VP105-00100-M-M1B-DSW-0703	C	HP FEEDWATER HEATER #6_SKIRT & TUBESHEET ASSEMBLY	RE		IB
4	TB2-SDC.VP105-00100-M-M1B-DSW-0704	C	HP FEEDWATER HEATER #6_DESUPERHEATING SUB ASSEMBLY	RE		IB
5	TB2-SDC.VP105-00100-M-M1B-DSW-0705	C	HP FEEDWATER HEATER #6_DRAIN COOLING SUB ASSEMBLY	RE		IB
6	TB2-SDC.VP105-00100-M-M1B-DSW-0706	C	HP FEEDWATER HEATER #6_DETAIL OF TUBE BUNDLE (1/4)	RE		IB
7	TB2-SDC.VP105-00100-M-M1B-DSW-0707	C	HP FEEDWATER HEATER #6_DETAIL OF TUBE BUNDLE (2/4)	RE		IB
8	TB2-SDC.VP105-00100-M-M1B-DSW-0708	C	HP FEEDWATER HEATER #6_DETAIL OF TUBE BUNDLE (3/4)	RE		IB
9	TB2-SDC.VP105-00100-M-M1B-DSW-0709	C	HP FEEDWATER HEATER #6_DETAIL OF TUBE BUNDLE (4/4)	RE		IB
10	TB2-SDC.VP105-00100-M-M1B-DSW-0710	C	HP FEEDWATER HEATER #6_HEMI. HEAD & PASS PARTITION DETAIL	RE		IB
11	TB2-SDC.VP105-00100-M-M1B-DSW-0711	C	HP FEEDWATER HEATER #6_DETAIL OF SADDLE	RE		IB
12	TB2-SDC.VP105-00100-M-M1B-DSW-0712	C	HP FEEDWATER HEATER #6_FOUNDATION DRAWING	RE		IB
13	TB2-SDC.VP105-00100-M-M1B-DSW-0713	C	HP FEEDWATER HEATER #6_DETAIL OF MANHOLE	RE		IB
14	TB2-SDC.VP105-00100-M-M1B-DSW-0714	C	HP FEEDWATER HEATER #6_DETAIL OF NOZZLE (1/4)	RE		IB
15	TB2-SDC.VP105-00100-M-M1B-DSW-0715	C	HP FEEDWATER HEATER #6_DETAIL OF NOZZLE (2/4)	RE		IB
16	TB2-SDC.VP105-00100-M-M1B-DSW-0716	C	HP FEEDWATER HEATER #6_DETAIL OF NOZZLE (3/4)	RE		IB
17	TB2-SDC.VP105-00100-M-M1B-DSW-0717	C	HP FEEDWATER HEATER #6_DETAIL OF NOZZLE (4/4)	RE		IB
18	TB2-SDC.VP105-00100-M-M1B-DSW-0718	C	HP FEEDWATER HEATER #6_DETAIL OF INSULATION SUPPORT	RE		IB
19	TB2-SDC.VP105-00100-M-M1B-DSW-0719	A	HP FEEDWATER HEATER #6_DETAIL OF NAME PLATE	RE		IB
No.	Owner/PMC's comment		Contractor's Response			
	General comment					
1	The Title of drawings should be as bellows: - HP FEEDWATER HEATER #6_GENERAL ASSEMBLY (sheet 1/19) - HP FEEDWATER HEATER #6_SHELL SUB ASSEMBLY (sheet 2/19) - HP FEEDWATER HEATER #6_SKIRT & TUBESHEET ASSEMBLY (sheet 3/19) - HP FEEDWATER HEATER #6_DESUPERHEATING SUB ASSEMBLY (sheet 4/19) - HP FEEDWATER HEATER #6_DRAIN COOLING SUB ASSEMBLY (sheet 5/19) - HP FEEDWATER HEATER #6_DETAIL OF TUBE BUNDLE BUNDLE (sheet 6/19) - HP FEEDWATER HEATER #6_DETAIL OF TUBE BUNDLE (sheet 7/19) - HP FEEDWATER HEATER #6_DETAIL OF TUBE BUNDLE (sheet 8/19) - HP FEEDWATER HEATER #6_DETAIL OF TUBE BUNDLE (sheet 9/19) - HP FEEDWATER HEATER #6_HEMI. HEAD & PASS PARTITION DETAIL (sheet 10/19) - HP FEEDWATER HEATER #6_DETAIL OF SADDLE (sheet 11/19) - HP FEEDWATER HEATER #6_FOUNDATION DRAWING (sheet 12/19) - HP FEEDWATER HEATER #6_DETAIL OF MANHOLE (sheet 13/19) - HP FEEDWATER HEATER #6_DETAIL OF NOZZLE (sheet 14/19) - HP FEEDWATER HEATER #6_DETAIL OF NOZZLE (sheet 15/19) - HP FEEDWATER HEATER #6_DETAIL OF NOZZLE (sheet 16/19) - HP FEEDWATER HEATER #6_DETAIL OF NOZZLE (sheet 17/19) - HP FEEDWATER HEATER #6_DETAIL OF INSULATION SUPPORT (sheet 18/19) - HP FEEDWATER HEATER #6_DETAIL OF NAME PLATE (sheet 19/19)		We will add sheet number.			
2	Please note that: Nameplates shall be in English with a minimum letter size of 6.4 mm.		ASME 'U'stamp project letter size was min 4mm.(UG-108). But we will used letter size 7mm.			

(10)
(a)

FIG. UG-118 FORM OF STAMPING

 W (if arc or gas welded) RT (if radiographed) HT (if postweld heat treated)	Certified by
	_____ (Name of Manufacturer)
	(Pressure) ____ at (temperature) ____ Max. allowable working pressure
	(Pressure) ____ at (temperature) ____ Max. allowable external working pressure [if specified; see Note (1)]
	(Temperature) ____ at (pressure) ____ Min. design metal temperature
	_____ Manufacturer's serial number
	_____ Year built

GENERAL NOTE: Information within parentheses is not part of the required marking. Phrases identifying data may be abbreviated; minimum abbreviations shall be MAWP, MAEWP, MDMT, S/N, and year, respectively.

NOTE:

- (1) The maximum allowable external working pressure is required only when specified as a design condition.

(1) The required markings on a nameplate shall be in characters not less than $\frac{5}{32}$ in. (4 mm) high, except that characters for pressure relief device markings may be smaller.

(2) Characters shall be either indented or raised at least 0.004 in. (0.10 mm) and shall be legible and readable.

(d) The nameplate may be marked before it is affixed to the vessel, in which case the Manufacturer shall ensure that the nameplate with the correct marking has been applied to the proper vessel, and the Inspector shall satisfy himself that this has been done.

(e) The nameplate shall be attached to the vessel or to a pad, bracket, or structure that is welded, brazed, soldered, or attached with mechanical fasteners directly to the vessel. Mechanical fasteners shall be of a material and design that is compatible with the vessel, bracket materials, and the vessel service. After installation of the pad, bracket, or structure, the heads of the fasteners shall be welded, brazed, or soldered to the pad, bracket, or structure that supports the nameplate. The nameplate shall be located within 30 in. (760 mm) of the vessel. Removal shall require the willful destruction of the nameplate, or its attachment system. (See M-3.)

(1) Nameplates may be attached either by welding, brazing, or soldering.

(2) Nameplates may be attached by tamper-resistant mechanical fasteners of suitable metal construction.

(3) Nameplates may be attached with pressure-sensitive acrylic adhesive systems provided that, in addition to

the requirements of this paragraph, those of Appendix 18 are met.

(f) An additional nameplate in accordance with (a) through (d) may be installed on the skirt, supports, jacket, or other permanent attachment to a vessel. All data on the additional plate, including the Certification Mark with the Designator, shall be as required for the mandatory nameplate. The marking need not be witnessed by the Inspector. The additional nameplate shall be marked: "DUPLICATE."

(g) When a nameplate is employed, the Manufacturer's name or identifying trademark, and vessel serial number (or National Board Number, if applicable,) may also be marked directly on the vessel in close proximity to the nameplate attachment. The marking shall be of a visible permanent type that is not detrimental to the vessel, and its location shall be indicated on the Data Report.

(1) If the thickness limitations of UG-118 preclude marking directly on the vessel shell or heads, it may be applied to the skirt, supports, jacket, or other permanent attachment to the vessel.

UG-120 DATA REPORTS

(10)
(a)

(a) A Data Report shall be filled out on Form U-1 or Form U-1A by the Manufacturer and shall be signed by the Manufacturer and the Inspector for each pressure vessel marked with the Certification Mark with the U Designator.

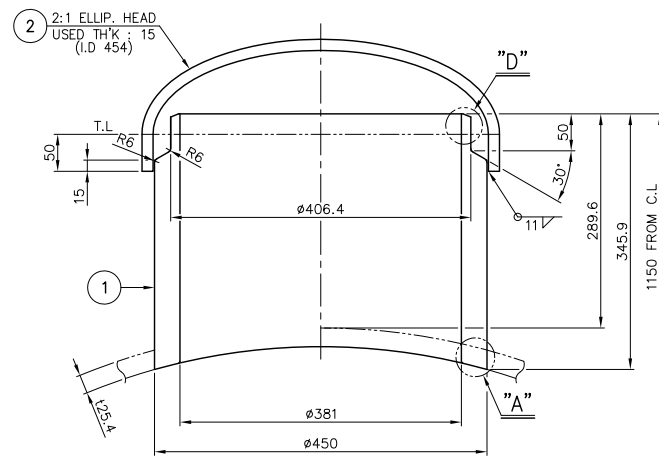
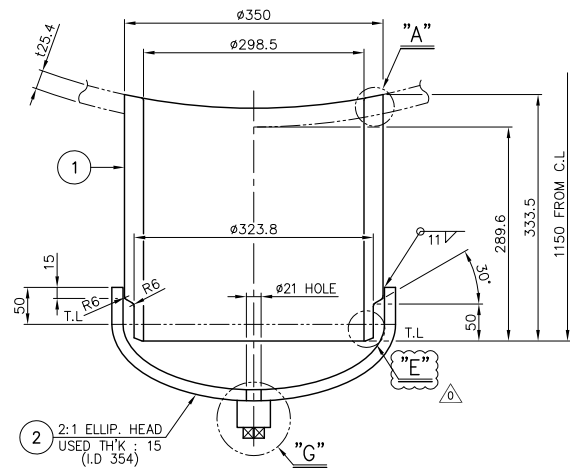
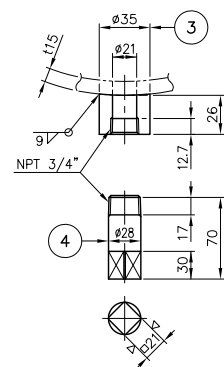
(1) Same day production of vessels may be reported on a single Form provided all of the following requirements are met:

- (a) vessels must be identical;
- (b) vessels must be manufactured for stock or for the same user or his designated agent;
- (c) serial numbers must be in uninterrupted sequence; and
- (d) the Manufacturer's written Quality Control System includes procedures to control the development, distribution, and retention of the Data Reports.

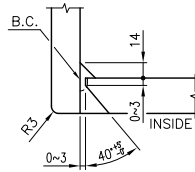
(2) The number of lines on the Data Report used to describe multiple components (e.g., nozzles, shell courses) may be increased or decreased as necessary to provide space to describe each component. If addition of lines used to describe multiple components results in the Data Report exceeding one page, space must be provided for the Manufacturer and Authorized Inspector to initial and date each of the additional pages. Horizontal spacing for information on each line may be altered as necessary. All information must be addressed; however, footnotes described in the remarks block are acceptable, e.g., for multiple cases of "none" or "not applicable."

(3) The Manufacturer shall:

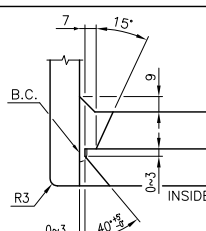
(a) furnish a copy of the Manufacturer's Data Report to the user and, upon request, to the Inspector:

DETAIL OF S1
16"DETAIL OF S3
12"

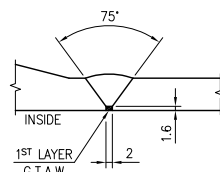
DETAIL OF "G"



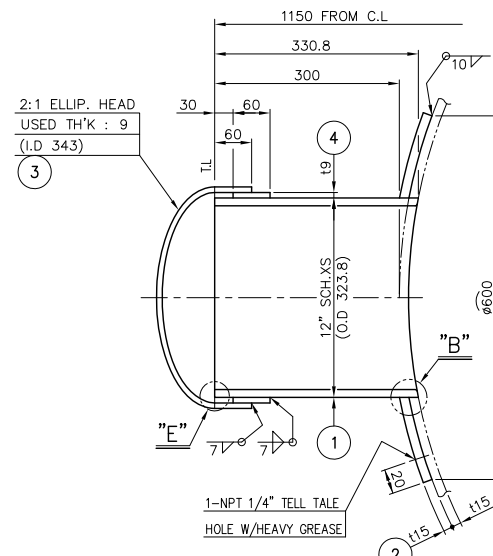
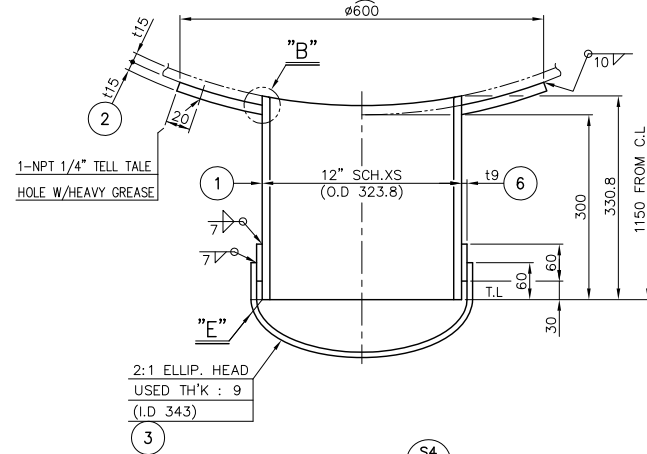
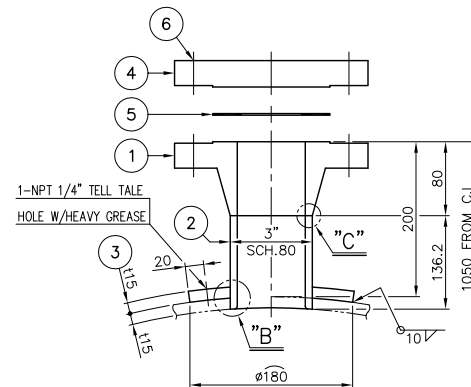
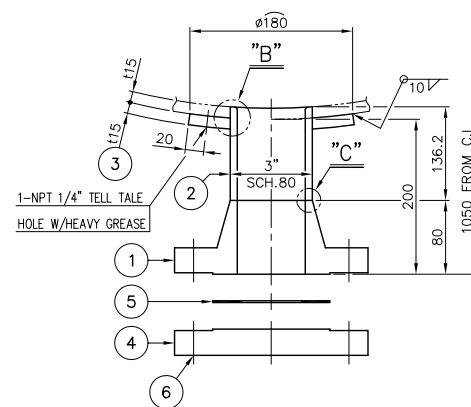
DETAIL OF "A"



DETAIL OF "B"



DETAIL OF "C"

DETAIL OF S2
12"DETAIL OF S4
12"DETAIL OF S19A
3"DETAIL OF S19B
3"

MATERIAL LIST FOR ONE SET

ITEM	PART CODE	NAME OF PART	MATERIAL	FOR ONE SET			REMARK
				Q'TY	SP1	SP2 UNIT	
S1	1	FORGED NECK	SA182-F11 CL.2	1		EA	ø450 (SEE DWG.)
	2	2:1 ELLIP. HEAD COVER	SA516-70	1		EA	t15
	3	=BLANK=					
	4	=BLANK=					
S2	1	NOZZLE NECK	SA106-B	1		EA	12" SCH.XS
	2	REINF. PAD	SA516-70	1		EA	t15
	3	2:1 ELLIP. HEAD COVER	SA283-C	1		EA	t9
	4	GUIDE PLATE	SA283-C	1		EA	t9
S3	1	FORGED NECK	SA182-F11 CL.2	1		EA	ø350 (SEE DWG.)
	2	2:1 ELLIP. HEAD COVER	SA516-70	1		EA	t15
	3	HALF COUPLING	SA105	1		EA	NPT 3/4", ASME 3000#
	4	PLUG	SA105	1		EA	NPT 3/4", ASME 3000#
S4	1	NOZZLE NECK	SA106-B	1		EA	12" SCH.XS
	2	REINF. PAD	SA516-70	1		EA	t15
	3	2:1 ELLIP. HEAD COVER	SA283-C	1		EA	t9
	4	=BLANK=					
	5	=BLANK=					
	6	GUIDE PLATE	SA283-C	1		EA	t9
S19A	1	FLANGE (SCH.80)	SA105	1		EA	3" ASME 300# W.N.R.F.
	2	NOZZLE NECK	SA106-B	1		EA	3" SCH.80
	3	REINF. PAD	SA516-70	1		EA	t15
	4	BLIND FLANGE	SA105	1		EA	3" ASME 300# B.L.R.F.
	5	GASKET	SEE NOTE "2"	1	2	EA	t4.5 FOR 3" ASME 300# R.F
	6	STUD BOLT/2-HEAVY HEX. NUT	SA193-B7/SA194-2H	8	2	SET	3/4-10UNC x L115
S19B	1	FLANGE (SCH.80)	SA105	1		EA	3" ASME 300# W.N.R.F.
	2	NOZZLE NECK	SA106-B	1		EA	3" SCH.80
	3	REINF. PAD	SA516-70	1		EA	t15
	4	BLIND FLANGE	SA105	1		EA	3" ASME 300# B.L.R.F.
	5	GASKET	SEE NOTE "2"	1	2	EA	t4.5 FOR 3" ASME 300# R.F
	6	STUD BOLT/2-HEAVY HEX. NUT	SA193-B7/SA194-2H	8	2	SET	3/4-10UNC x L115

ASME CODE STAMPED
WORK (U)

FOR APPROVAL

Daelim Industrial Co., Ltd.	
Job No.	110180
A - APPROVED	
B - APPROVED WITH COMMENTS	
C - RETURNED FOR CORRECTION	
D - REJECTED	
N - NOT APPLICABLE (REFERENCE ONLY)	
SIGNED BY :	DATE :
DIE'S PERMISSION TO PROCEED OR REVIEW TAKEN ON VENDOR PRINTS SHALL NOT RELIEVE VENDOR FROM ITS RESPONSIBILITIES OR LIABILITIES UNDER THE PURCHASE ORDER.	

DOCUMENT SUBMISSION STATUS:

NOTE:

REV	DATE	DESCRIPTION	PREP	CHKD	APRD
1	24 FEB.2014	FOR FINAL	S.W.E.	H.K.LEE	J.C.YOON
2	27 DEC.2013	BY OWNER COMMENT	S.W.E.	H.K.LEE	J.C.YOON
3	11 SEP.2013	BY OWNER COMMENT	S.W.E.	H.K.LEE	J.C.YOON
4	20 MAY 2013	FOR PRELIMINARY	S.W.E.	H.K.LEE	J.C.YOON

OWNER	VIETNAM OIL AND GAS GROUP (P.V.N.)	OWNER'S CONSULTANT	Fichtner GmbH & Co. KG	PV POWER PCC
EPC CONTRACTOR	PETROMINERVA CONSTRUCTION JOINT STOCK CORPORATION (P.V.C.)	EPC CONTRACTOR'S CONSULTANT	WorleyParsons	
POWER ISLAND PACKAGE SUPPLIER	SOJITZ CORPORATION		DAEILIM INDUSTRIAL CO., LTD.	

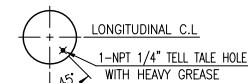
PROJECT TITLE
THAI BINH2 THERMAL POWER PLANT 2 x 600MWDRAWING TITLE
HP FEEDWATER HEATER #6
11LAD10AC006/21LAD10AC006
DETAIL OF NOZZLE (2/4)VENDOR NAME
WOORYANG HC CO., LTD.FUNCTION NAME SIGN DATE
DRWN S.W.E. 24 FEB.2014
CHKD H.K.LEE 24 FEB.2014
APPD J.C.YOON 24 FEB.2014
APPD S.S.KIM 24 FEB.2014DRAWING NO.
TB2-SDC-VP105-00100-M-M1B-DSW-0715

JOB NO. 110180 SCALE N/S REVNO

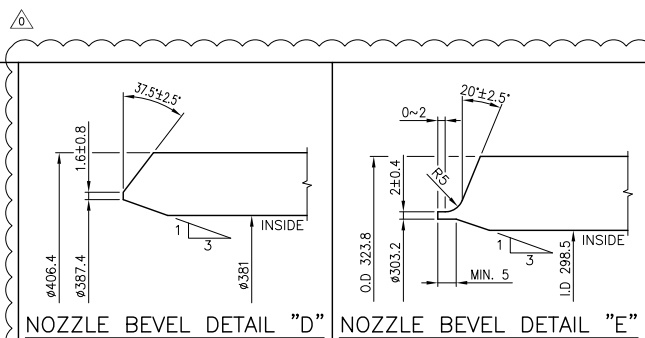
FILE NAME JE-3C-F12-2010-110180-015

NOTE

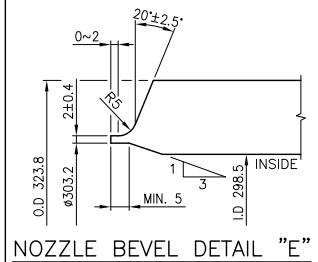
- REINFORCING PADS FOR NOZZLES SHALL BE TAPPED WITH AT LEAST ONE (1) TELL TALE HOLE NPT 1/4" WITH HEAVY GREASE.



- GASKET MATERIAL (SPIRAL WOUND t4.5)
 - FILLER : FLEXIBLE GRAPHITE
 - HOOP : 304 S.S
 - INNER RING : 304 S.S
 - OUTER RING : C.S



NOZZLE BEVEL DETAIL "D"



NOZZLE BEVEL DETAIL "E"