



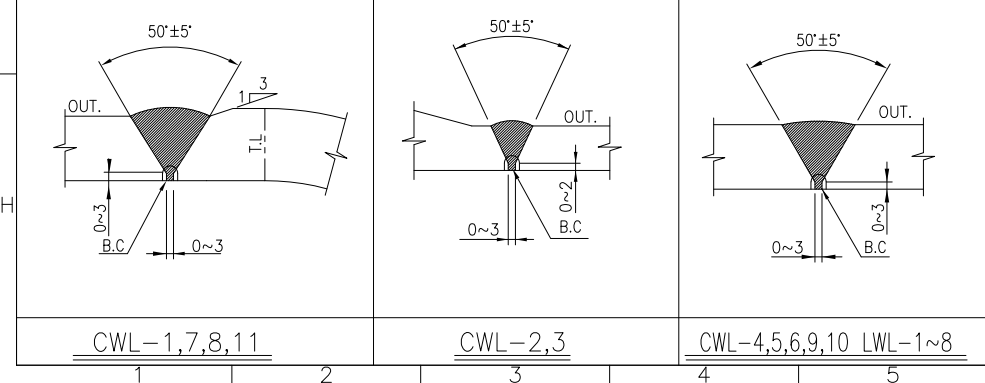
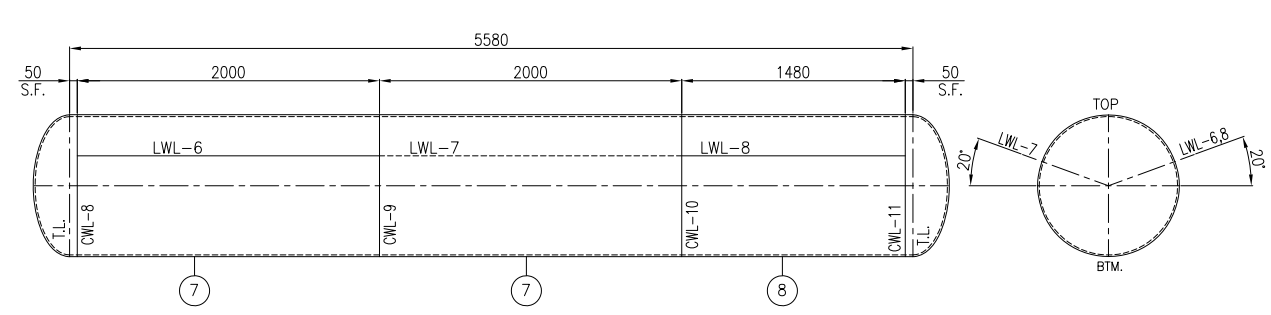
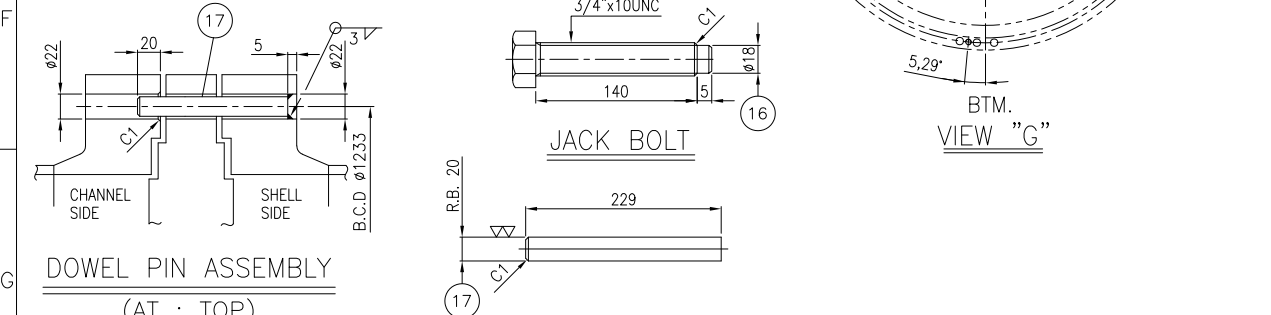
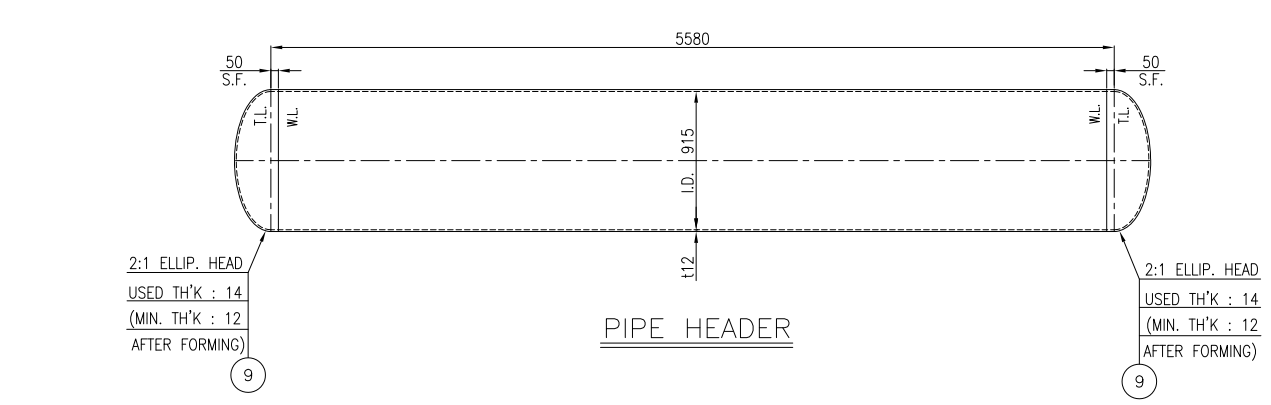
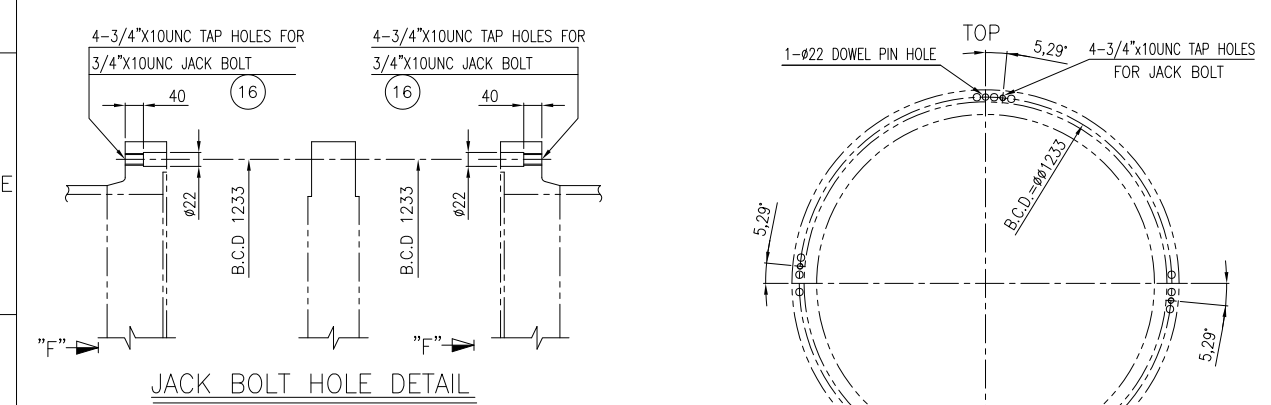
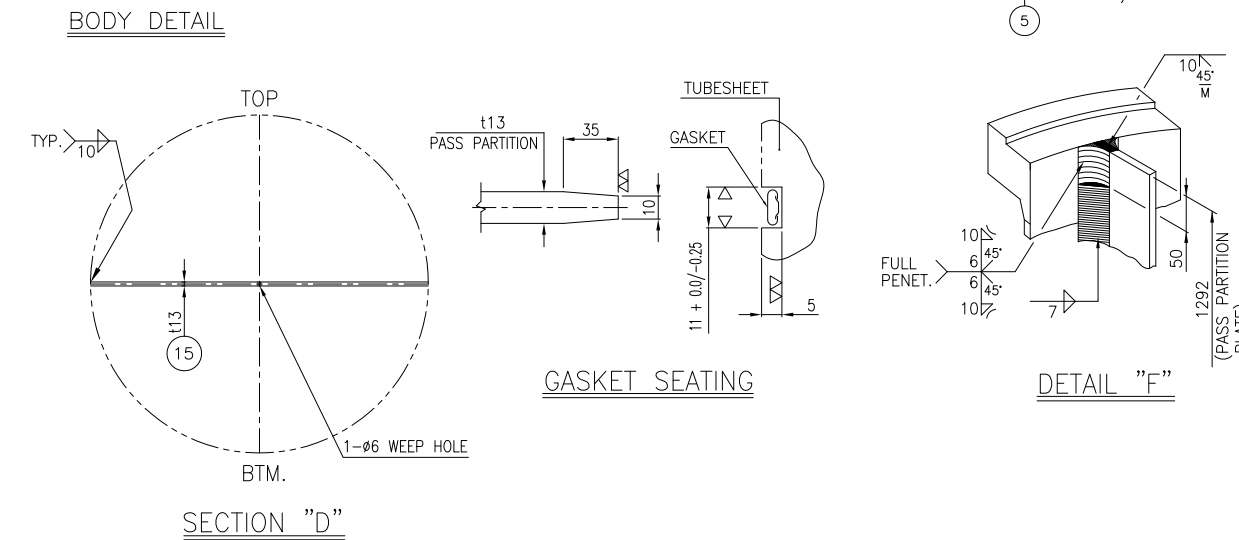
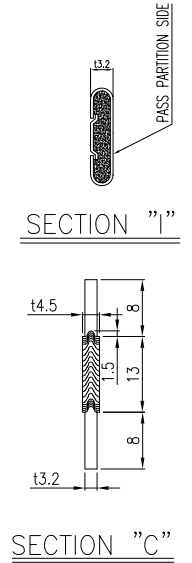
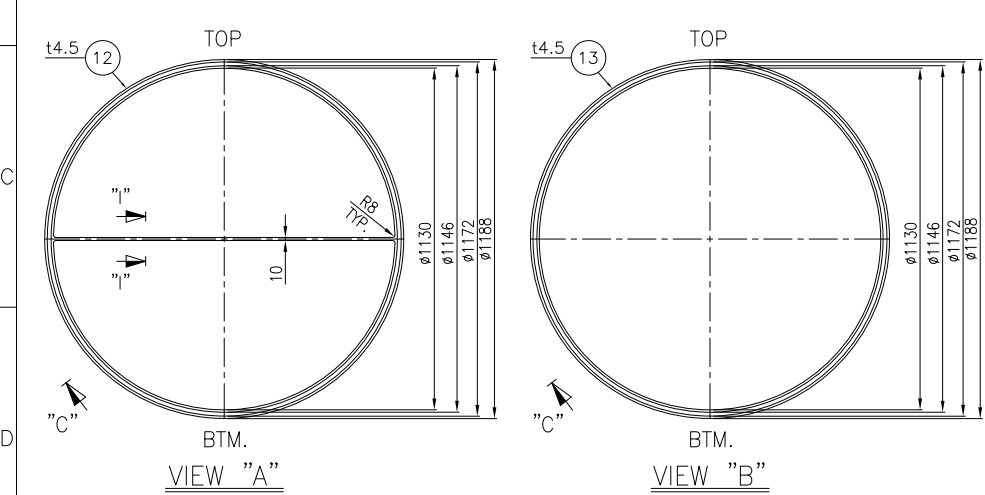
 Gachsaran Polymer Industries Company شرکت صنایع پتروشیمی گچساران	Gachsaran Polymer Industries Company HDPE Plant Evaporator (Chiller) Drawing		
			
PO No.: GPIC-PT-MA-PO-000-3029	Document Number: VD-GPIC-MA-3029-3029-0089	Rev. 02	Page 1 of 10

Evaporator (Chiller) Drawing

Code1	<input type="checkbox"/> No Comment/ Approved (Applicable Only for "FOR REVIEW" and "For Approval" Documents) No comment and the document are released for Manufacturing.
Code2	<input type="checkbox"/> No Comment/ Approved with Note(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated.
Code3	<input checked="" type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be revised under the Status of "R: Revised Issue". All corrected documents shall be resubmitted before starting the Manufacturing Process.
Code 4	<input type="checkbox"/> Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work / re-design / re-specify the contents of the document according to the comments / reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing. Vendor/Sub-Contractor shall not proceed with subsequent works of Material Supply or Manufacturing until receiving Code1/Code2 or No Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 6 working days after receiving comments.
No code	<input type="checkbox"/> No Code (Applicable Only for "For Information" Documents and "As Built DWGs") Document has been submitted for PURCHASER's Information (FI). Consistency, completeness and correctness of document content is in Vendor/Sub-Contractor's responsibility.
Above checking results by EIED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing.	
 Energy Industries Engineering & Design co.	Date: Nov. 08, 2025 Dept.: MA Signature: F.Hamooni

05					
04					
03					
02	25-Oct-25	IFR	N.B	F.T	A.M
01	7-Oct-25	IFR	N.B	F.T	A.M
00	30-Aug-25	IFR	N.B	F.T	A.M
Rev.	DATE	PURPOSE OF ISSUE	PREPARED	CHECKED	APPROVED



NOTE

- UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN MILLIMETERS.
- GASKET MATERIAL FOR : SPIRAL WOUND (14.5)
 - FILLER : GRAPHITE
 - HOOP : S.S. 316L
 - INNER RING : S.S. 316L m=3, y=68.95N/mm².
 - OUTER RING : 304 S.S.
- ALL GIRTH FLANGE AND TUBE SHEET SHALL BE ULTRASONIC TESTED IN ACCORDANCE WITH ASME CODE SECTION V, AND SA-388 OR EQUIVALENT BEFORE ANY MACHINING. IN THIS REGARD, THE REQUIRED SURFACE PREPARATION SHALL BE PERFORMED.
- PASS PARTITION GASKET: DOUBLE METAL JACKETED AISI 304/GRAPHITE FILLER

* FOR ONE SET

NO.	DESCRIPTION	QTY	REMARKS
17	DOWEL PIN	304 S.S. 1	R.820 x L.229
16	JACK BOLT	304 S.S. 8	3/4"x10UNC x L140
15	PASS PARTITION PLATE	SA516-70N 1	t13 x 1180 x L292
14	STUD B/2HEAVY NUTS	SA320-L7/SA194-4 68SETS 4SETS	7/8" UNC9, L415 (TEMA) H.D.G
13	GASKET	SEE NOTE "2"	1 2 t4.5 (SEE DWG.)
12	GASKET	SEE NOTE "2"	1 2 t4.5 (SEE DWG.)
11	SHELL FLANGE	SA350-LF2 CL.1N 1	t146 x ID 1118 x O.D 1281
10	CHANNEL FLANGE	SA350-LF2 CL.1N 1	t146 x ID 1118 x O.D 1281
9	PIPE HEADER HEAD	SA-516 70N 2	USED THK.14 (2:1 ELLIP.)
8	PIPE HEADER SHELL	SA-516 70N 1	t12 x 1480 x 3022
7	PIPE HEADER SHELL	SA-516 70N 2	t12 x 2000 x 3022
6	CHANNEL HEAD	SA-516 70N 2	USED THK.16 (2:1 ELLIP.)
5	SHELL HEAD	SA-516 70N 1	USED THK.16 (2:1 ELLIP.)
4	CHANNEL SHELL	SA-516 70N 1	t14 x 820 x 3556
3	SHELL	SA-516 70N 1	t14 x 720 x 3556
2	SHELL	SA-516 70N 1	t14 x 1500 x 3556
1	SHELL	SA-516 70N 2	t14 x 2000 x 3556

BILL OF MATERIAL

PART NO.	PART NAME	MATERIAL	REGULAR QUANTITY	SPARE QUANTITY	SPECIFICATION	REMARK
17	DOWEL PIN	304 S.S.	1		R.820 x L.229	
16	JACK BOLT	304 S.S.	8		3/4"x10UNC x L140	
15	PASS PARTITION PLATE	SA516-70N	1		t13 x 1180 x L292	
14	STUD B/2HEAVY NUTS	SA320-L7/SA194-4	68SETS	4SETS	7/8" UNC9, L415 (TEMA)	H.D.G
13	GASKET	SEE NOTE "2"	1	2	t4.5 (SEE DWG.)	
12	GASKET	SEE NOTE "2"	1	2	t4.5 (SEE DWG.)	
11	SHELL FLANGE	SA350-LF2 CL.1N	1		t146 x ID 1118 x O.D 1281	
10	CHANNEL FLANGE	SA350-LF2 CL.1N	1		t146 x ID 1118 x O.D 1281	
9	PIPE HEADER HEAD	SA-516 70N	2		USED THK.14 (2:1 ELLIP.)	
8	PIPE HEADER SHELL	SA-516 70N	1		t12 x 1480 x 3022	
7	PIPE HEADER SHELL	SA-516 70N	2		t12 x 2000 x 3022	
6	CHANNEL HEAD	SA-516 70N	2		USED THK.16 (2:1 ELLIP.)	
5	SHELL HEAD	SA-516 70N	1		USED THK.16 (2:1 ELLIP.)	
4	CHANNEL SHELL	SA-516 70N	1		t14 x 820 x 3556	
3	SHELL	SA-516 70N	1		t14 x 720 x 3556	
2	SHELL	SA-516 70N	1		t14 x 1500 x 3556	
1	SHELL	SA-516 70N	2		t14 x 2000 x 3556	

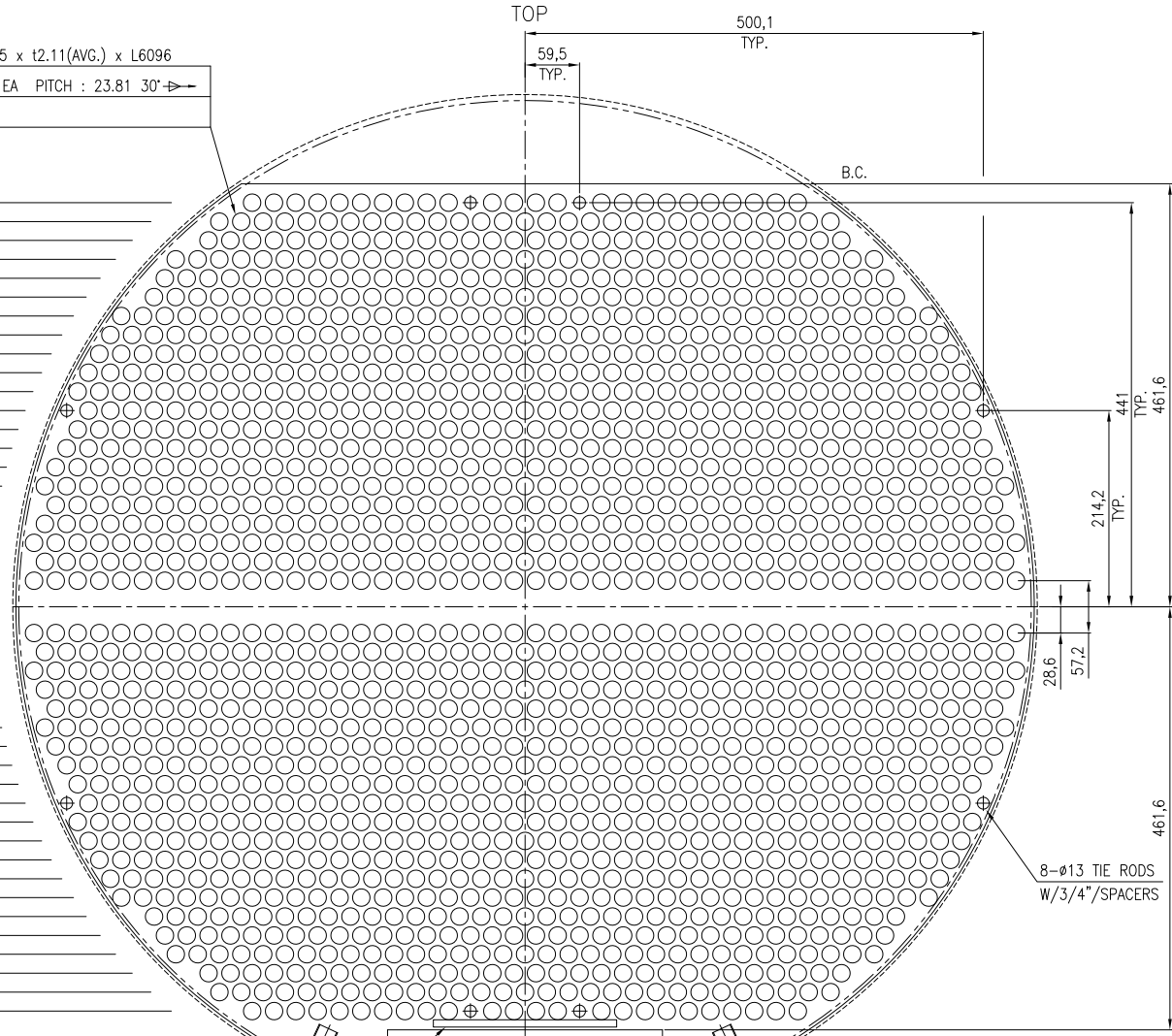
REVISIONS

REV.	DATE	PURPOSE OF ISSUE	PREPARED	CHECKED	APPROVED
02	25.Oct.25	IFR	D. SH	F. T	A. M
01	07.Oct.25	IFR	D. SH	F. T	A. M
00	26.Aug.25	IFR	D. SH	F. T	A. M

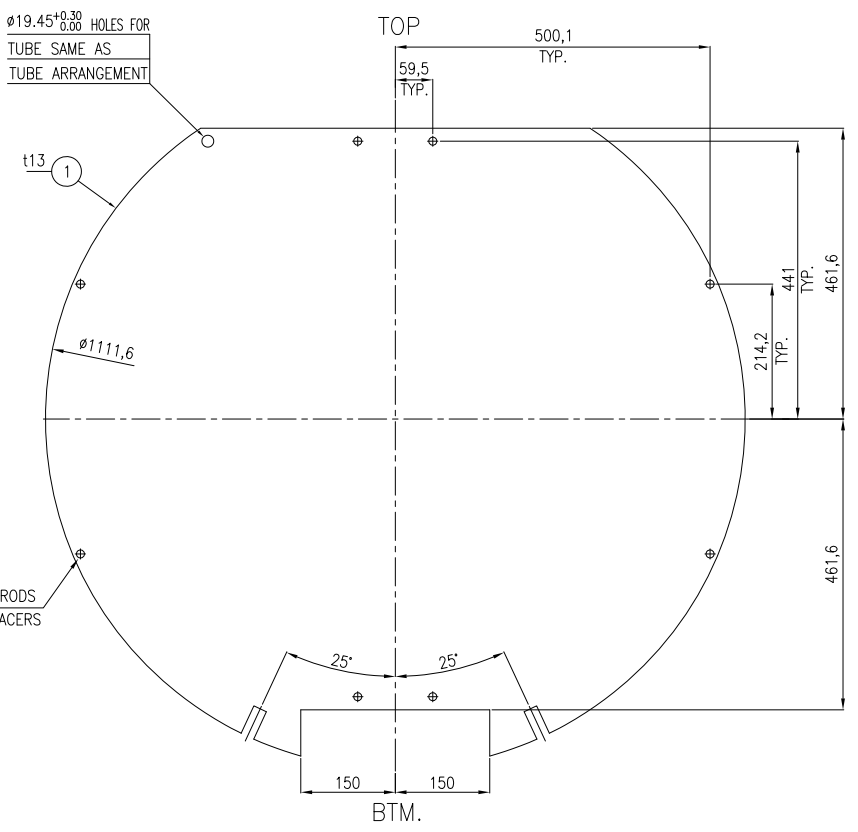
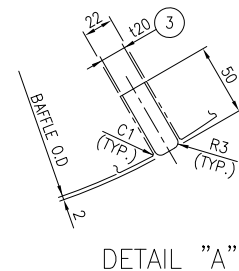
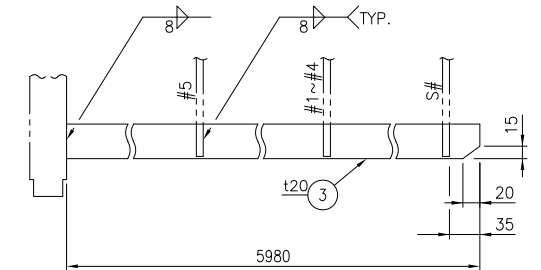
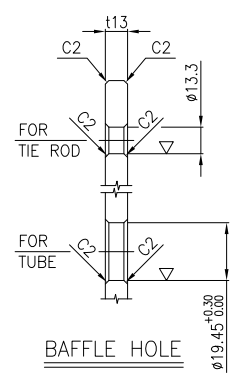
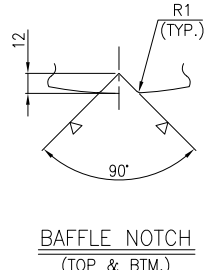
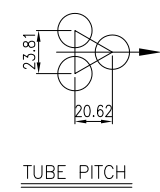
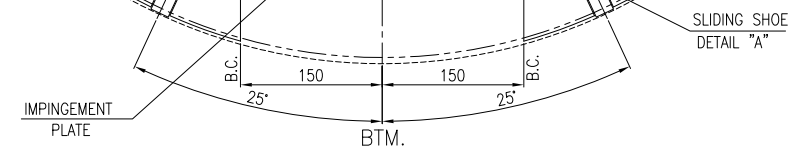
PO No.: GPIC-PT-MA-PO-000-3029
DRAWING TITLE: EVAPORATOR (CHILLER) DRAWING (E-6101) (BODY DETAIL)
SCALE: 1:1

TUBE SIZE : 0.D19.05 x t2.11(AVG.) x L6096
 REQ'D NO. : U-826 EA PITCH : 23.81 30' →
 (O.T.L : 1104.9)

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TOTAL : 1652 EA



FULL SUPPORT BAFFLE

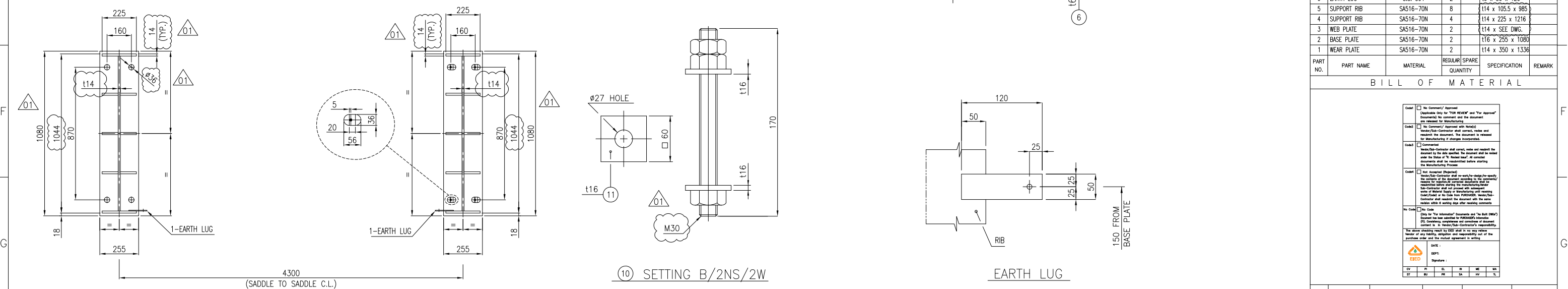
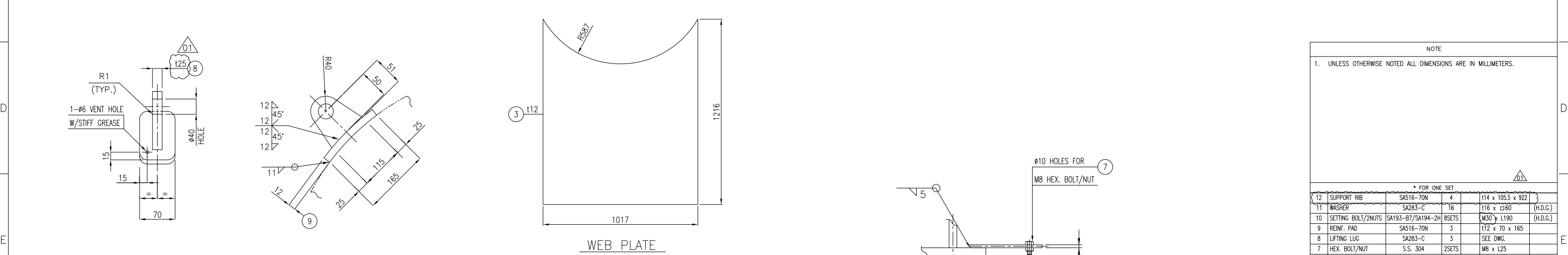
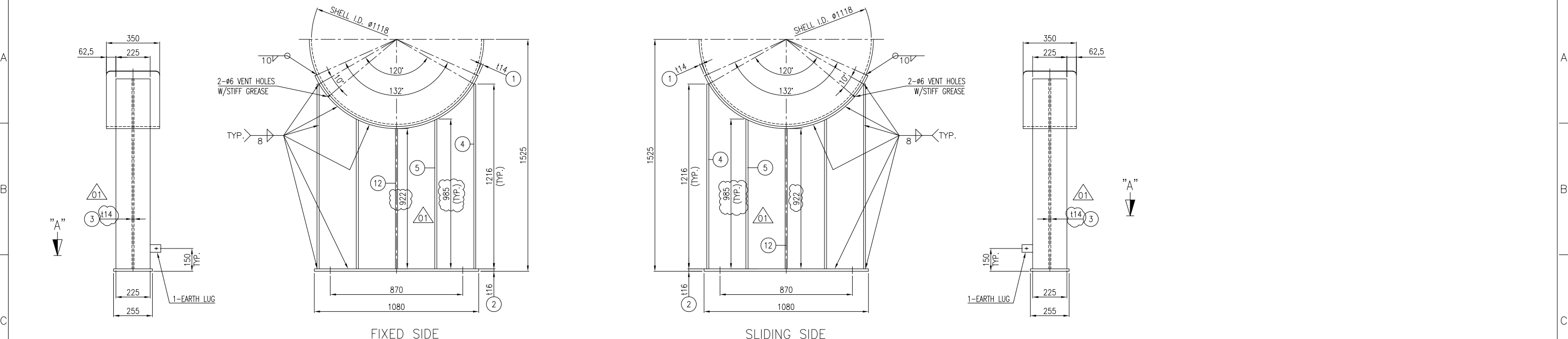
NOTE
 1. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN MILLIMETERS.

* FOR ONE SET					
2	SLIDING SHOE	SA-516 70N	2	120 x 50 x 5980	
1	FULL SUPPORT BAFFLE	SA 516-70N	6	113 x Ø1111.6	
PART NO.	PART NAME	MATERIAL	QUANTITY	SPECIFICATION	REMARK

BILL OF MATERIAL					
Code	<input type="checkbox"/> No Comment/ Approval (Applicable Only for "For Review" and "For Approval" Documents) No comment and the document is released for Manufacturing.				
Code	<input type="checkbox"/> No Comment/ Approval with Note(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated.				
Code	<input type="checkbox"/> Comment(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be released under the Status of "To Be Released" if correct documents shall be resubmitted before starting the Manufacturing Process.				
Code	<input type="checkbox"/> Not Accepted (Rejection) Vendor/Sub-Contractor shall re-work/re-design/re-manufacture the document to correct deficiencies and shall be released under the Status of "To Be Released" if correct documents shall be resubmitted before starting the Manufacturing Process.				
Code	<input type="checkbox"/> No Code (Only for "For Approval" Documents and "For Review" Documents) The document is released for Manufacturing under the Status of "To Be Released" if correct documents shall be resubmitted before starting the Manufacturing Process.				

REV.	DATE	Purpose of Issue	Prepared	Checked	Approved
02	25.Oct.25	IFR	D. SH	P. T	A. M
01	07.Oct.25	IFR	D. SH	P. T	A. M
00	26.Aug.25	IFR	D. SH	P. T	A. M

PO No.:	GPIC-PT-MA-PO-000-3029	SCALE:	1:1
DRAWING TITLE:			
EVAPORATOR (CHILLER) DRAWING (E-6101)			
(BUNDLE DETAIL 1/2)			
DRAWING NO.	REV.	SHEET NO.	SIZE
VD-GPIC-MA-3029-3029-0089	02	5 OF 10	A3



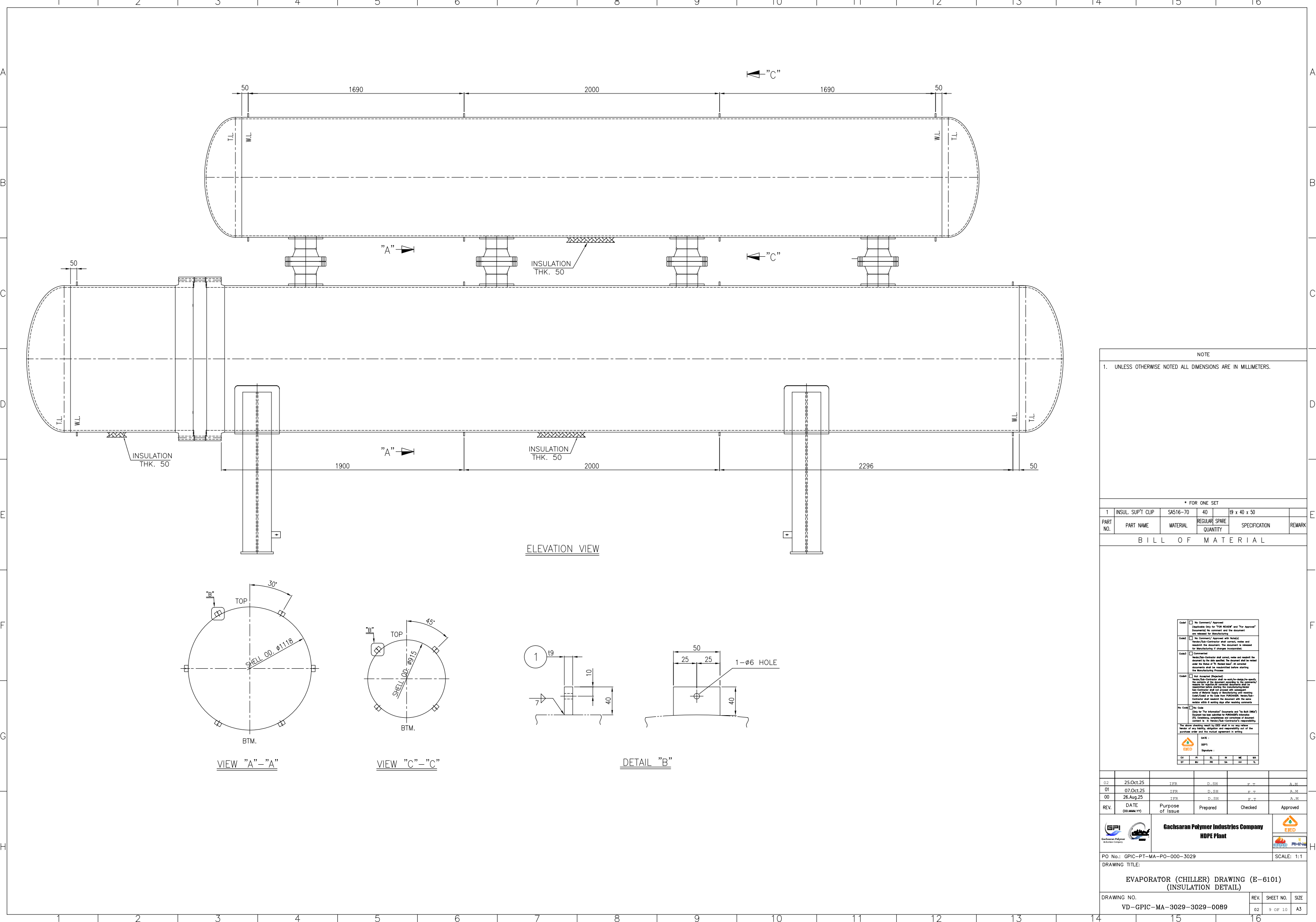
NOTE
1. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN MILLIMETERS.

* FOR ONE SET					
NO.	PART NAME	MATERIAL	QUANTITY	SPECIFICATION	REMARK
12	SUPPORT RIB	SAS16-70N	4	t14 x 105.5 x 922	
11	WASHER	SA283-C	16	t16 x 60	(H.D.G.)
10	SETTING BOLT/NUTS	SA193-B7/SA194-2H	8SETS	M30 x L190	(H.D.G.)
9	REIN. PAD	SAS16-70N	3	t12 x 70 x 165	
8	LIFTING LUG	SA283-C	3	SEE DWG.	
7	HEX. BOLT/NUT	S.S. 304	2SETS	M8 x L25	
6	EARTH LUG	S.S. 304	2	16 x 50 x 120	
5	SUPPORT RIB	SAS16-70N	8	t14 x 105.5 x 985	
4	SUPPORT RIB	SAS16-70N	4	t14 x 225 x 1216	
3	WEB PLATE	SAS16-70N	2	t14 x SEE DWG.	
2	BASE PLATE	SAS16-70N	2	t16 x 255 x 1080	
1	WEAR PLATE	SAS16-70N	2	t14 x 350 x 1336	

BILL OF MATERIAL

<input type="checkbox"/> No Comment/ Approval (Applicable Only for "For Review" and "For Approval" Enclosures to be submitted and the document be released for Manufacturing.	<input type="checkbox"/> No Comment/ Approval with Remarks Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated.	<input type="checkbox"/> Commented Vendor/Sub-Contractor shall correct, revise and resubmit the document by the due date. The document shall be released under the Status of "To Be Released" if correct enclosure shall be resubmitted before starting the Manufacturing Process.	<input type="checkbox"/> Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work/re-design/re-manufacture the document as per the comments and resubmit the document for review. In case of rejection, the Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document shall be released under the Status of "To Be Released" if correct enclosure shall be resubmitted before starting the Manufacturing Process.	<input type="checkbox"/> No Code (Only for "For Information" Enclosures and "For Review" Enclosures to be submitted and the document be released for Manufacturing.
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02	25.Oct.25	IFP	D. SH	F. T	A. M
01	07.Oct.25	IFP	D. SH	F. T	A. M
00	26.Aug.25	IFP	D. SH	F. T	A. M
REV.	DATE	Purpose of Issue	Prepared	Checked	Approved



ELEVATION VIEW

VIEW "A" - "A"

VIEW "C" - "C"

DETAIL "B"

NOTE

1. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN MILLIMETERS.

* FOR ONE SET

PART NO.	PART NAME	MATERIAL	QUANTITY	SPECIFICATION	REMARK
1	INSUL SUPT CLIP	SA516-70	40	19 x 40 x 50	

BILL OF MATERIAL

Code	<input type="checkbox"/> No Comment/ Approval (Applicable Only for "FOR REVIEW" and "For Approval" documents) No comment and the document is released for Manufacturing
Code	<input type="checkbox"/> No Comment/ Approval with Note(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated.
Code	<input type="checkbox"/> Comment(s) Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be released under the Status of "To Be Released" at correct location after the required date starting the Manufacturing Process.
Code	<input type="checkbox"/> Not Accepted (Rejected) Vendor/Sub-Contractor shall re-work/re-design/re-specify the document. The document shall be released for Manufacturing only after the required date starting the Manufacturing Process. Vendor/Sub-Contractor shall correct with necessary action of Material Supply of Manufacturing and resubmit the document to the User as per the Vendor/Sub-Contractor shall resubmit the document with the same number within 4 working days after receiving comments.
No Code	<input type="checkbox"/> No Code (Only for "For Information" documents and "For Draft" documents) No comment and the document is released for Manufacturing. The document shall be released under the Status of "To Be Released" at correct location after the required date starting the Manufacturing Process.

REV.	DATE	Purpose of Issue	Prepared	Checked	Approved
02	25.Oct.25				
01	07.Oct.25				
00	26.Aug.25				

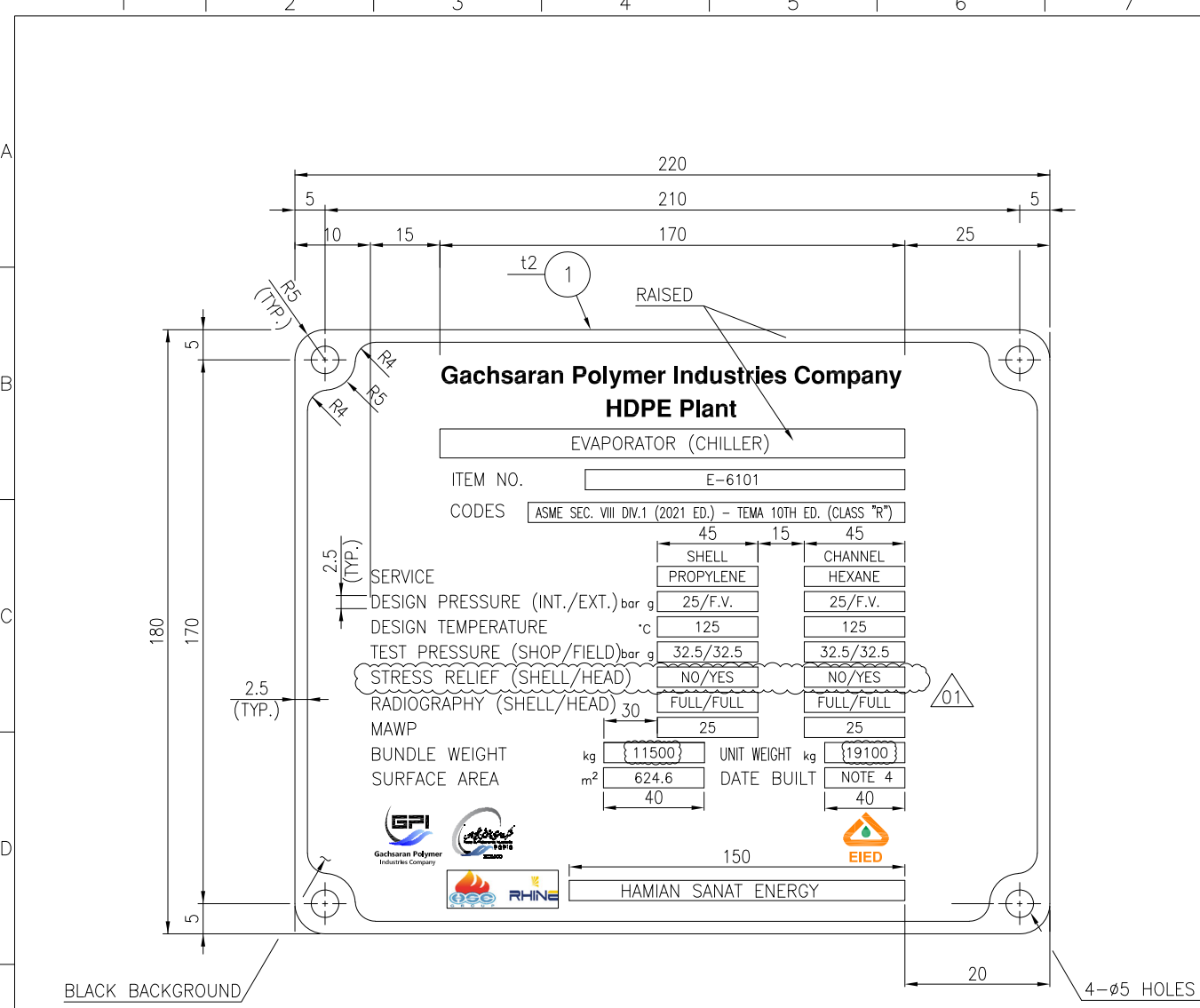




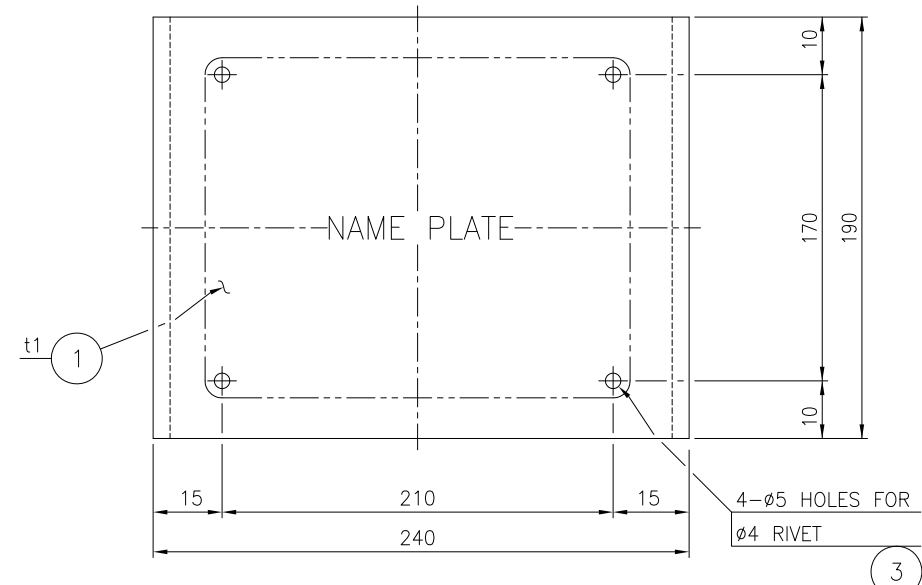
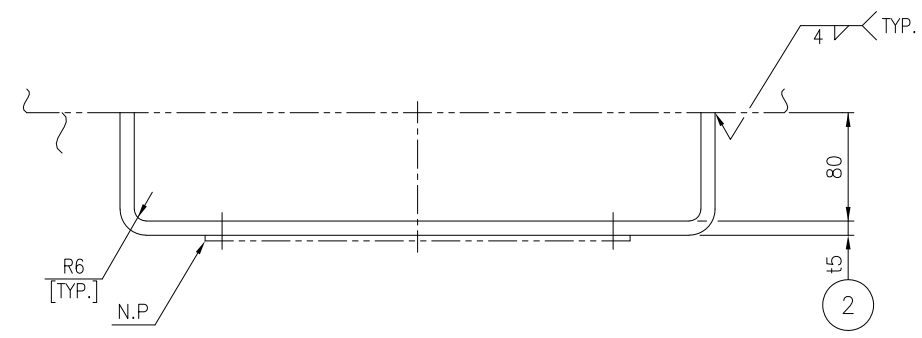
DRAWING NO.: GPIC-PT-MA-PO-000-3029 SCALE: 1:1

DRAWING TITLE: EVAPORATOR (CHILLER) DRAWING (E-6101) (INSULATION DETAIL)

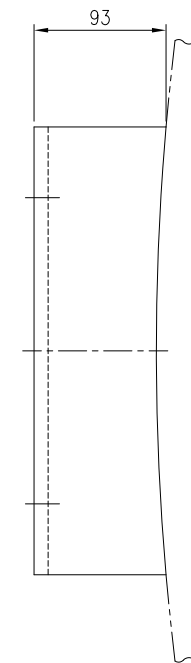
DRAWING NO.	REV.	SHEET NO.	SIZE
VD-GPIC-MA-3029-3029-0089	02	9 OF 10	A3



NAME PLATE



NAME PLATE BRACKET



- NOTE
- UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN MILLIMETERS.
 - ALL LETTERS, BLOCKS, AS WELL AS EDGES, SHALL HAVE RAISED POLISHED FACE-RELIEF 0.5MM APPROX.
 - LETTERS TO BE GOTHIC TYPE
 - YEAR BUILT AND DATE OF TEST STAMPED AT SHOP AFTER HYDROSTATIC TEST COMPLETION.

* FOR ONE SET

3	RIVET	304 S.S	4	ø4	
2	NAME PLATE BRACKET	SA516-70N	2		15 x 450 x 190
1	NAME PLATE	304 S.S	1		11 x 180 x 220

BILL OF MATERIAL

PART NO.	PART NAME	MATERIAL	REGULAR QUANTITY	SPARE QUANTITY	SPECIFICATION	REMARK
3	RIVET	304 S.S	4		ø4	
2	NAME PLATE BRACKET	SA516-70N	2		15 x 450 x 190	
1	NAME PLATE	304 S.S	1		11 x 180 x 220	

REV.	DATE	Purpose of Issue	Prepared	Checked	Approved
02	25.Oct.25				
01	07.Oct.25				
00	26.Aug.25				

Logos: GPI, EIED, Hamian Sanat Energy

**Gachsaran Polymer Industries Company
HDPE Plant**

PO No.: GPIC-PT-MA-PO-000-3029 SCALE: 1:1

DRAWING TITLE:
**EVAPORATOR (CHILLER) DRAWING (E-6101)
(NAME PLATE DETAIL)**

DRAWING NO.	REV.	SHEET NO.	SIZE
VD-GPIC-MA-3029-3029-0089	02	10 OF 10	A3