



VENDOR DOCUMENT COVER SHEET

Total number of
pages within this document
(including this page)

4 pages

PROJECT: PV GAS THI VAI LPG STORAGE TANKS

PURCHASER'S DOC. No.:

REV:

DOCUMENT TITLE:

Detail Manhole Drawing for Fire Water Tank

VENDOR DOCUMENT No.:

231375-ME8A-M26-008

REV:

0

ME8A- FIRE WATER TANKS

PO NUMBER:

LPGTV/PTSC-TH/LOA-03-008

EQUIPMENT TAG

FT-8801A/B

EQUIPMENT DATASHEET

SUPPLIERS NAME & ADDRESS:

PTSC THANH HOA TECHNICAL SERVICES
COMPANY

Address: Nghi Son Commune, Nghi Son District, Thanh
Hoa Province

NOTES:

VD CODE No.

M26

REVISIONS TO PURCHASER'S DOCUMENT No.

Rev	Date	Description	Signature
A	17-Aug-23	Issued for Review	
0	12-Sep-23	Issued for Construction	

DOCUMENT STATUS AS REVIEWED BY PURCHASER

- ☒ 1 Approved
- ☐ 2 Approved with comment
- ☐ 3 Rejected
- ☐ 4 Information only

Reviewed By:

Date:

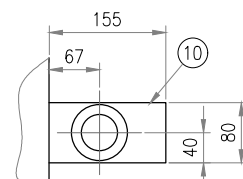
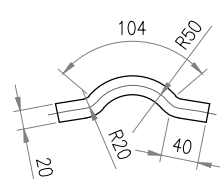
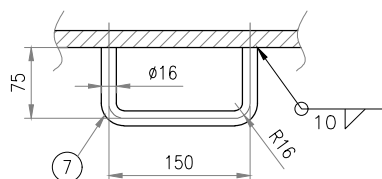
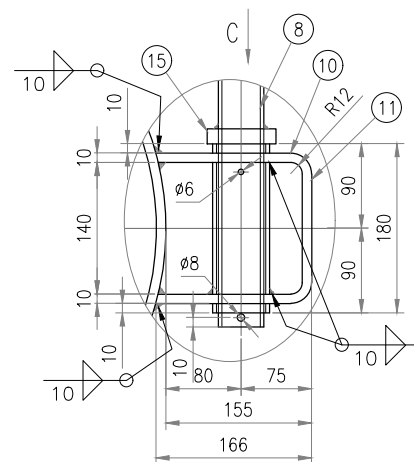
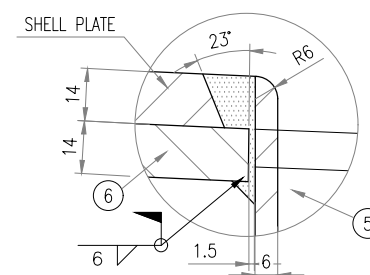
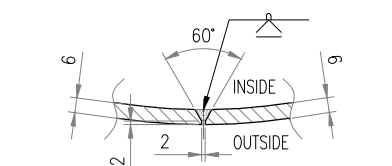
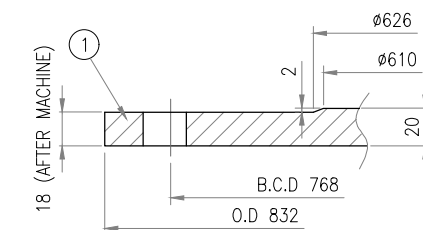
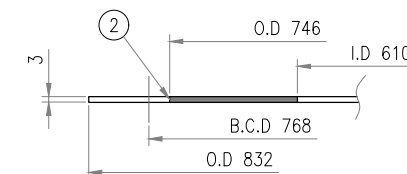
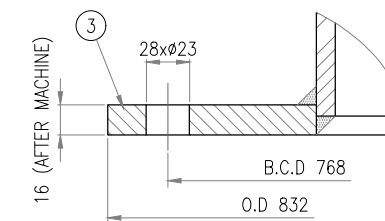
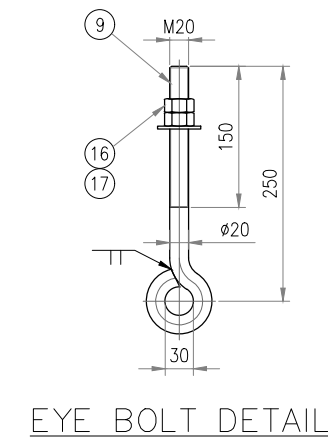
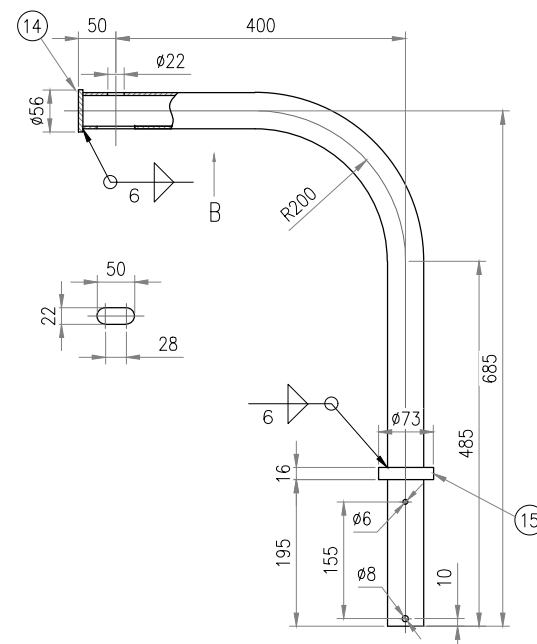
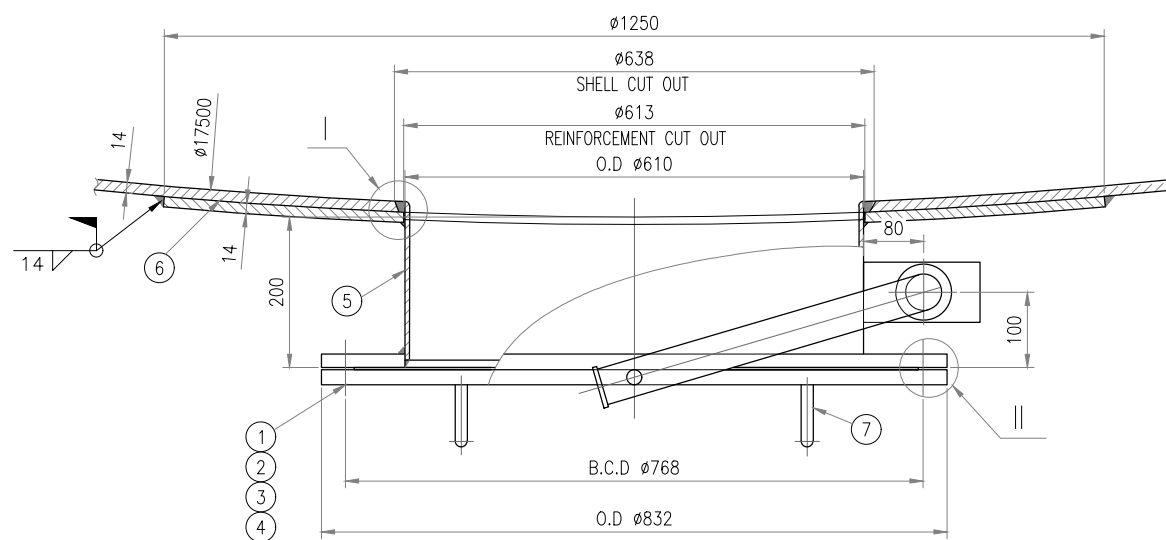
COMMENTS RESPONSE SHEET (CRS)

Drawing / Document Number, Title and Revision:

Transmittal Document Purpose:

Doc. No.	231375-ME8A-M26-008	Title:	Detail Manhole Drawing For Fire Water Tank	Comment	Status
Rev. No.	A			Code	
Transmittal No.:				2	Approved with comment

No.	Comments	Confirmation / Explanation by Contractor
1	Add cover page (Cover - CRS - drawing)	- Noted and incorporated in next revision
2	all bolt & nut shall be PTFE coated, instead of HDG	- Noted and incorporated in next revision



PART LIST						
PART NO.	DESCRIPTION	SIZE (MM)	Q'TY (SET)	MATERIAL	WEIGHT (KG)	REMARK
1	MANHOLE COVER	PL18t	1	A36	85.36	
2	GASKET	3txOD746xID610	1	NON-ASBESTOS	-	
3	MANHOLE FLANGE	PL16t	1	A36	35.53	
4	STUB BOLT & NUTS	UNC 3/4"x115L	28	A193 Gr.B7 A194 Gr.2H	-	PTFE COATED
5	MANHOLE NECK	PL6t	1	A36	31.07	
6	REINFORCING PAD	PL14t	1	A36	74.16	
7	HANDLE	Ø16	2	A36 or EQ	-	
8	DAVID ARM	PIPE 1-1/2" Sch.80	1	A106 Gr.B	5.78	
9	EYE BOLT	M20x250L	1	A36 or EQ	-	PTFE COATED
10	BRACKET	PL12t	1	A36 or EQ	-	
11	SLEEVE PIPE	PIPE 2" Sch.80	1	A36 or EQ	1.34	
12	SPLIT PIN	Ø8x90mm	1	A36 or EQ	-	
13	HANGER	Ø16	1	A36 or EQ	-	
14	PLATE	PL6t	1	A36 or EQ	-	
15	COLLAR	PL16t	1	A36 or EQ	-	
16	NUT	M20	2	A194 Gr.2H	-	PTFE COATED
17	WASHER	FOR NUT M20	1	A36 or EQ	-	PTFE COATED
TOTAL WEIGHT:					233.24(KG)	

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETER, UNLESS NOTED OTHERWISE.
2. QUANTITY SHOWN IS FOR ONE (01) MANHOLE.
3. TELLTALE HOLES SHALL BE LOCATED PERPENDICULAR TO LONGITUDIAL CENTER OF TANK AT THE LOWEST POINT AND SHALL BE FILLED WITH HIGH TEMPERATURE MELTING GREASE AFTER LEAK TEST.
4. SIZE OF FILLET WELD THICKNESS SHALL BE EQUAL TO SMALLER OF SHELL THICKNESS OR NECK THICKNESS.
5. ROUGHNESS SURFACE FINISH FROM $3.2\mu\text{m}$ TO $6.3\mu\text{m}$

03	
02	
01	
STT	DOCUMENT NUMBER

	REFERENCE DOCUMENTS
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DATE		DATE	
PTSC		PV GAS PMC	

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[illegible]

O	12/SEP/23	ISSUED FOR CONSTRUCTION	T.C.Thanh	N.V.Phong	N.T.Son	N.K.Dung	N.X.Thanh	B.V.Khoac
A	18/AUG/23	ISSUED FOR REVIEW	T.C.Thanh	N.V.Phong	N.T.Son	N.K.Dung	N.X.Thanh	B.V.Khoac

REV.	DATE	DESCRIPTION	ENG.	LEAD	EM	PM	REVIEW	CHKED
			PTSC				PV GAS PMC	

CLIENT:

	PETROVIETNAM GAS JOINT STOCK CORPORATION PV GAS PROJECT MANAGEMENT COMPANY
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EPC CONTRACTOR:

 **PTSC**
A member of PETROVIETNAM

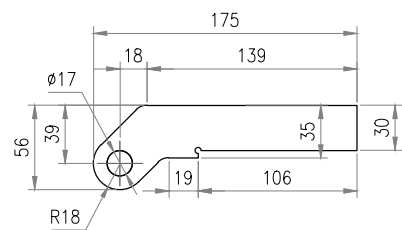
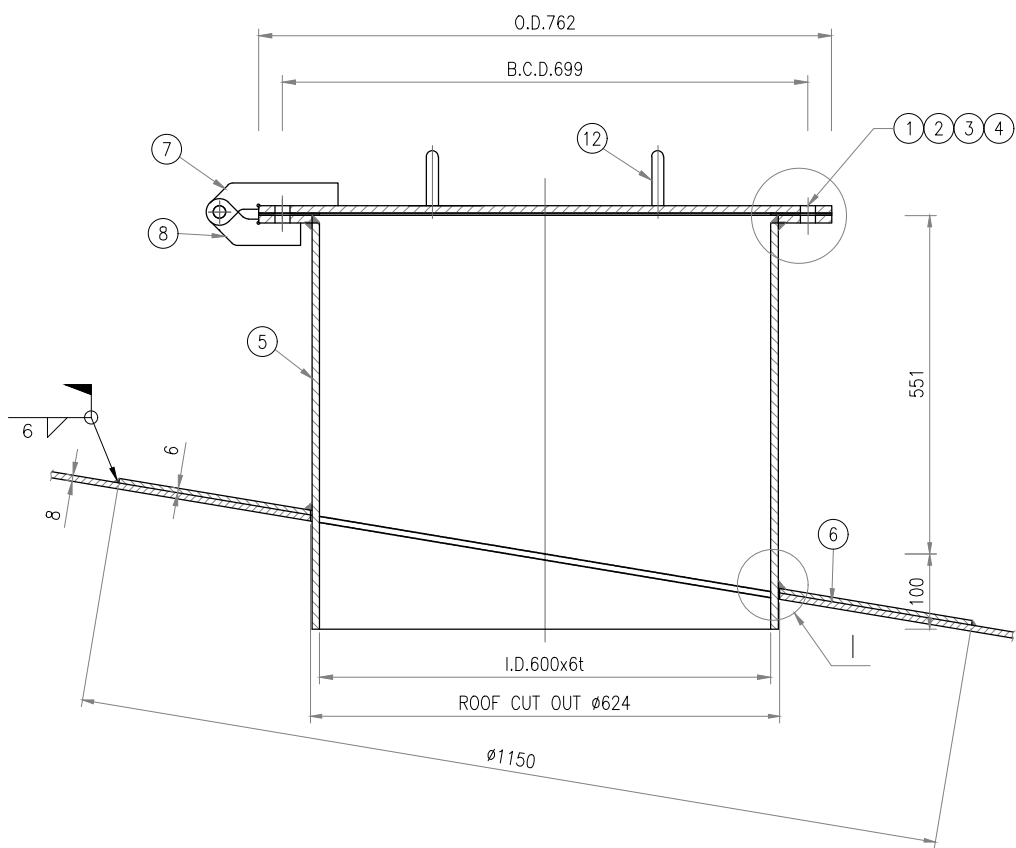
**PETROVIETNAM TECHNICAL SERVICES
CORPORATION**

PROJECT:	PV GAS THI VAI LPG STORAGE TANKS
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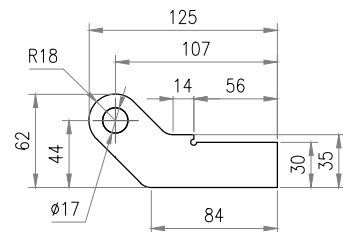
PACKAGE:	ENGINEERING, PROCUREMENT AND CONSTRUCTION
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PREPARED BY: _____ CHECKED BY: _____ DATE: _____	TITLE:	DETAIL MANHOLE DRAWING FOR FIRE WATER TANK

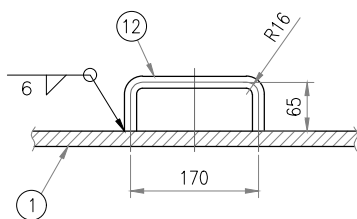
JOB.	SCALE	DWG No.	SHEET	REV.
231375	NTS	231375-ME08A-M26-008	1/2	0



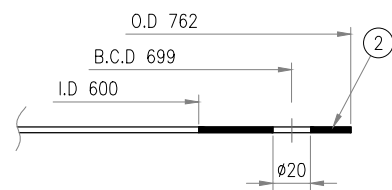
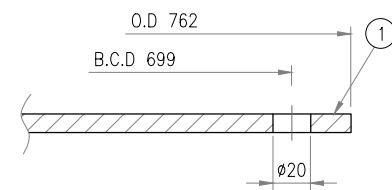
DETAIL 07



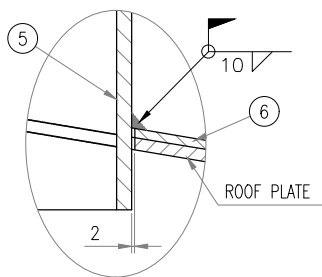
DETAIL 08



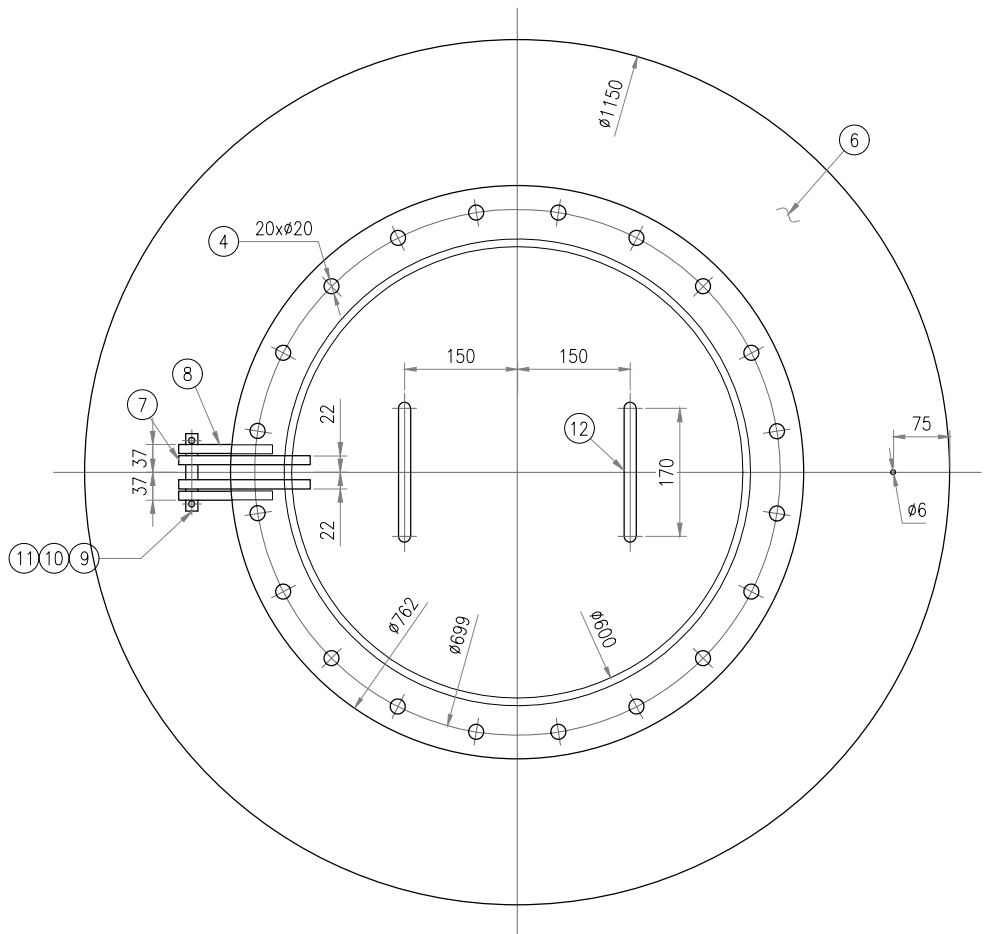
DETAIL 12



DETAIL II



DETAIL I



ROOF MANHOLE DETAIL MH2 (24'')

PART LIST						
PART NO.	DESCRIPTION	SIZE (MM)	Q'TY (SET)	MATERIAL	WEIGHT (KG)	REMARK
1	MANHOLE COVER	PL6t	1	A36	35.80	
2	GASKET	3txOD762xID600xBCD699	1	NON-ASBESTOS	—	
3	MANHOLE FLANGE	PL6t	1	A36	11.79	
4	STUB BOLT & NUTS	UNC 5/8"x90L	20	A193 Gr.B7 A194 Gr.2H	—	PTFE COATED
5	MANHOLE NECK	PL6t	1	A36	97.91	
6	REINFORCING PAD	PL8t	1	A516 GR.70	34.52	
7	HINGER ON COVER	PL12t	2	A36 or EQ	1.18	
8	HINGER ON FLANGE	PL12t	2	A36 or EQ	0.85	
9	PIN	Ø16x110L	1	A36 or EQ	—	
10	SPLIT PIN	Ø4x30L	2	A36 or EQ	—	
11	WASHER	4txOD26xID18	2	A36 or EQ	—	
12	HANDLE	Ø16	2	A36 or EQ	—	
TOTAL WEIGHT:					188.97 (KG)	

GENERAL NOTES:

- ALL DIMENSIONS ARE IN MILLIMETER, UNLESS NOTED OTHERWISE.
- QUANTITY SHOWN IS FOR ONE (01) MANHOLE.
- TELLTALE HOLES SHALL BE LOCATED PERPENDICULAR TO LONGTUDIAL CENTER OF TANK AT THE LOWEST POINT AND SHALL BE FILLED WITH HIGH TEMPERATURE MELTING GREASE AFTER LEAK TEST.

03	
02	
01	
STT	DOCUMENT NUMBER

REFERENCE DOCUMENTS

DATE	PTSC	DATE	PV GAS PMC

REV.	DATE	DESCRIPTION	ENG.	LEAD	EM	PM	REVIEW	CHKD
0	12/SEP/23	ISSUED FOR CONSTRUCTION	T.C.Thanh	N.V.Phong	N.T.Son	N.K.Dung	N.X.Thanh	B.V.Khod
A	18/AUG/23	ISSUED FOR REVIEW	T.C.Thanh	N.V.Phong	N.T.Son	N.K.Dung	N.X.Thanh	B.V.Khod

CLIENT:

PTSC PETROVIETNAM GAS JOINT STOCK CORPORATION
PV GAS PROJECT MANAGEMENT COMPANY

EPC CONTRACTOR:

PTSC PETROVIETNAM TECHNICAL SERVICES CORPORATION

PROJECT:

PV GAS THI VAI LPG STORAGE TANKS

PACKAGE:

ENGINEERING, PROCUREMENT AND CONSTRUCTION

TITLE:

DETAIL MANHOLE DRAWING FOR FIRE WATER TANK

JOB.	SCALE	DWG No.	SHEET	REV.
231375	NTS	231375-ME08A-M26-008	2/2	0