MATERIAL REQUISITION
FOR
LOUVER

0	19-Sep-2020	ISSUE FOR ROCUREMENT	M. Pshahin	M. Rostami	P.KARIMZADEH
Rev.	Date	Description	Prepared	Checked	Approved

Project No.: 17177A		MATERIAL REQUISITION	ABAN AIR-COOLER CO.
Req. No.: 1210/3			
Rev. No.: 0			
Preliminary		Code No.: QF-TE-02	ENGINEERING DEPARTMENT
			ERP : 122252
Final		Date & Rev.: 1394/11/16 - 1	SRD : 2020-10-15
			PAGE 2 OF 5

TABULATION OF REVISED PAGE

Page	Revisions							Remarks	Page	Revisions							Remarks
	0	1	2	3	4	5	6			0	1	2	3	4	5	6	
1	x								35								
2	x								36								
3	x								37								
4	x								38								
5	x								39								
6									40								
7									41								
8									42								
9									43								
10									44								
11									45								
12									46								
13									47								
14									48								
15									49								
16									50								
17									51								
18									52								
19									53								
20									54								
21									55								
22									56								
23									57								
24									58								
25									59								
26									60								
27									61								
28									62								
29									63								
30									64								
31									65								
32									66								
33									67								
34									68								

TABLE OF CONTENTS

CONTENT	PAGE
1-PURPOSE	4
2-DEFINITION	4
3-LIST OF EQUIPMENT INQUIRED	4
4-APPLICABLE CODES & STANDARD	4
5-REQUIRED DOCUMENTATION	4
6-SCOPE OF WORK, SUPPLY & SERVICE	4
7-SPARE PARTS	5
8-DEVIATIONS/EXCEPTION/ALTERNATION FROM MATERIAL REQUISITION'S REQUIREMENTS	5
9-TECHNICAL NOTES	5
10-ATTACHMENTS	5

1- PURPOSE

The purpose of this document is to define vendor's scope of supply of **Louver** in this requisition.

2- DEFINITION

For the purpose of this material requisition, the following definitions shall apply:
Contractor: ABAN AIR COOLER (AAC)
Vendor: (to be defined)

3- LIST OF EQUIPMENT INQUIRED

NO.	TAG NUMBER	QTY.	DESCRIPTION	LOCATION
1	E-3170-02	1	Air Cooler	---

4- APPLICABLE CODES & STANDARD

N/A.

5- REQUIRED DOCUMENTATION

N/A

6- SCOPE OF WORK , SUPPLY & SERVICE

POS	DESCRIPTION	MATERIAL	QTY.	UNIT WEIGHT (Kg)	TOTAL WEIGHT (Kg)	REMARK
1	LOUVER E-3170-02	--	**1**	**801.3**	**801.3**	--

7- SPARE PARTS

N/A

8- DEVIATIONS/EXCEPTION/ALTERNATION FROM MATERIAL REQUISITION'S REQUIREMENTS

If any, shall be mentioned by vendor

9- TECHNICAL NOTES

N/A

10- ATTACHMENTS

DOCUMENT	REVISION	NO. OF SHEETS
NGL-V-7123-VE-DW-0026-D4-01	D4-01	3

No.	Description	Size	Material	QTY	Weight	T.Weight
1A	LOUVER FRAME	6*392*4334	St-37	1	80	80
1B	LOUVER FRAME	6*392*4334	St-37	1	80	80
1C	LOUVER FRAME	6*392*4334	St-37	1	80	80
1D	LOUVER FRAME	6*392*4334	St-37	1	80	80
1E	LOUVER FRAME	6*392*895	St-37	1	17	17
1F	LOUVER FRAME	6*392*895	St-37	2	17	34
1G	LOUVER FRAME	6*392*895	St-37	1	17	17
2	LIFTING LUG	15*120*170	St-37	8	2.5	20
3	BLADE	2*202*889	St-37	48	6.4	307.2
4	FREE LEVER SHAFT	SEE DETAIL	St-37	48	0.2	9.6
5	ARM	6*25*85	St-37	48	0.12	5.76
6	PIN & WASHER	ϕ14,27L	St-37	48	0.005	0.24
7A	ANGLE	L50*50*5-4485	St-37	1	17	17
7B	ANGLE	L50*50*5-4064	St-37	1	15.3	15.3
8	HANDLE	6*70*455	St-37	1	1.5	1.5
9	PIN & WASHER	ϕ20,34L	St-37	1	0.2	0.2
10	TRANSMITER	8*60*102	St-37	1	0.3	0.3
11	SHAFT	ϕ60*230L	St-37	1	5	5
12	END PLATE	6*68*188	St-37	8	0.5	4
13	CAP	ϕ140*25L	Aluminium	2	0.5	1
14	BUSH	ϕ90*38L	PTFE	2	0.75	1.5
15	HOLDER	ϕ79*16L	Aluminium	2	0.25	0.5
16	ACTUATOR BOX	6*200*536	St-37	1	5.5	5.5
17	PLATE	6*50*200	St-37	2	0.5	1
18	LEVER	SEE DETAIL	St-37	48	0.15	7.2
19	ROD	SEE DETAIL	St-37	1	0.1	0.1
20	PLATE	6*50*120	St-37	1	0.2	0.2
21	CHAIN	L:300	St-37	1	0.1	0.1
22	AIR SEAL	SEE DETAIL	St-37	2	3.3	6.6
23	~~BUSH~~	~~ϕ20*20L~~	~~PTFE~~	~~96~~	~~0.01~~	~~0.96~~
24	AIR SEAL	SEE DETAIL	St-37	1	2.5	2.5
TOTAL WEIGHT FOR 1 UNIT (Kg):						801.3

D4

GENERAL NOTE :

1-ALL THE WELDS ARE CONTINOUS EXCEPT SPECIFIED.

2-ALL DIMENSIONS ARE IN mm EXCEPT SPECIFIED.

3-FINISHING SURFACE : GALVANIZED REF.:ASTM:A-123,A-153.

4-LOUVER WEIGHT : 801.3 Kg.

5-BOLTING : BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED WITH ASTM A153

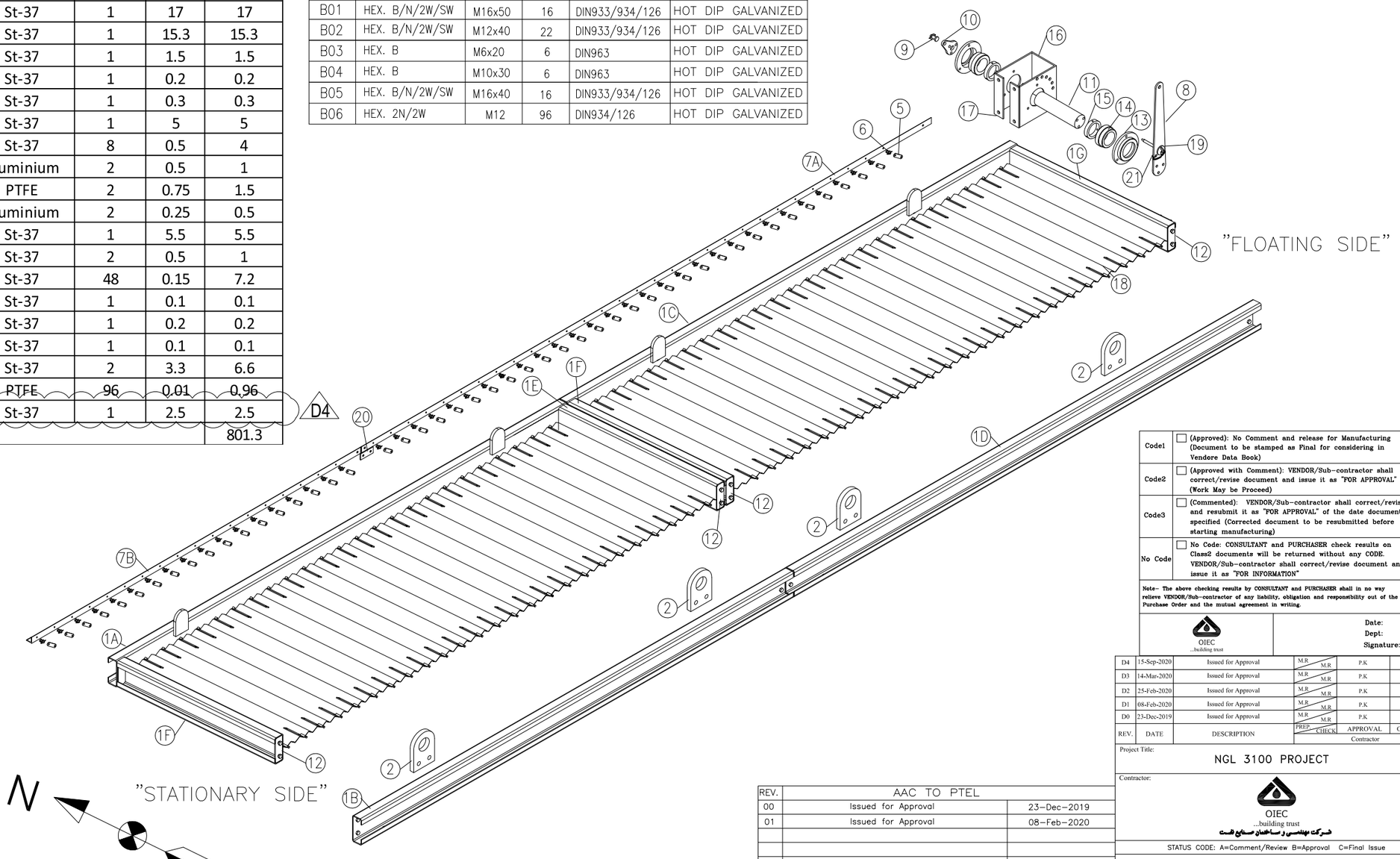
6- TOTAL QTY: 1

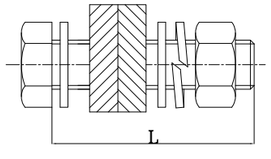
7- ALL BLADES AND LOUVER FRAME MATERIAL MADE FROM CS PLATE SHALL BE GALVANIZED.

REFERENCE DRAWINGS

TITLE	DWG. No.
TUBE BUNDLE DETAIL	NGL-V-7123-VE-DW-0003
GENERAL ARRANGMENT	NGL-V-7123-VE-DW-0005
STEEL STRUCTURE	GL-V-7123-VE-DW-0010
BUNDLE FRAME	NGL-V-7123-VE-DW-0008

NUM	DESCRIPTION	SIZE	QTY	STANDARD	REMARK
B01	HEX. B/N/2W/SW	M16x50	16	DIN933/934/126	HOT DIP GALVANIZED
B02	HEX. B/N/2W/SW	M12x40	22	DIN933/934/126	HOT DIP GALVANIZED
B03	HEX. B	M6x20	6	DIN963	HOT DIP GALVANIZED
B04	HEX. B	M10x30	6	DIN963	HOT DIP GALVANIZED
B05	HEX. B/N/2W/SW	M16x40	16	DIN933/934/126	HOT DIP GALVANIZED
B06	HEX. 2N/2W	M12	96	DIN934/126	HOT DIP GALVANIZED





NOTE:
FOR ALL ITEMS:
ALL BOLTS SHOULD BE FASTENED WITH
ONE NUT AND TWO FLAT WASHER AND ONE SPRING WASHER

Code1	☐ (Approved): No Comment and release for Manufacturing (Document to be stamped as Final for considering in Vendore Data Book)
Code2	☐ (Approved with Comment): VENDOR/Sub-contractor shall correct/revise document and issue it as "FOR APPROVAL" (Work May be Proceed)
Code3	☐ (Commented): VENDOR/Sub-contractor shall correct/revise and resubmit it as "FOR APPROVAL" of the date documents specified (Corrected document to be resubmitted before starting manufacturing)
No Code	☐ No Code: CONSULTANT and PURCHASER check results on Class2 documents will be returned without any CODE. VENDOR/Sub-contractor shall correct/revise document and issue it as "FOR INFORMATION"

Note- The above checking results by CONSULTANT and PURCHASER shall in no way relieve VENDOR/Sub-contractor of any liability, obligation and responsibility out of the Purchase Order and the mutual agreement in writing.

OIEC ...building trust

Date:
Dept:
Signature:

REV.	DATE	DESCRIPTION				
D4	15-Sep-2020	Issued for Approval	M.R	M.R	P.K	
D3	14-Mar-2020	Issued for Approval	M.R	M.R	P.K	
D2	25-Feb-2020	Issued for Approval	M.R	M.R	P.K	
D1	08-Feb-2020	Issued for Approval	M.R	M.R	P.K	
D0	23-Dec-2019	Issued for Approval	M.R	M.R	P.K	
			PREP.	CHECK	APPROVAL	OIEC APP.
					Contractor	

REV.	AAC TO PTEL	
00	Issued for Approval	23-Dec-2019
01	Issued for Approval	08-Feb-2020

Project Title: NGL 3100 PROJECT

Contractor: OIEC ...building trust
شرکت مهندسی و ساختمان صنایع نفت

STATUS CODE: A=Comment/Review B=Approval C=Final Issue

AAC

Project No.: 17177

DWG No.: NGL-V-7123-VE-DW-0026

Petro-Techna Europe Limited

18645-Z-0121-03

LOUVER DRAWING
E-3170-02

DRAWING NUMBER

Project Name	Originator	Area	Train/Unit	Disc.	Dwg	Seq No.	Rev.	Sht No.	Status	Class	Size
NGL	V	7123		VE	DW	0026	D2	01 OF 03	B	1	A3

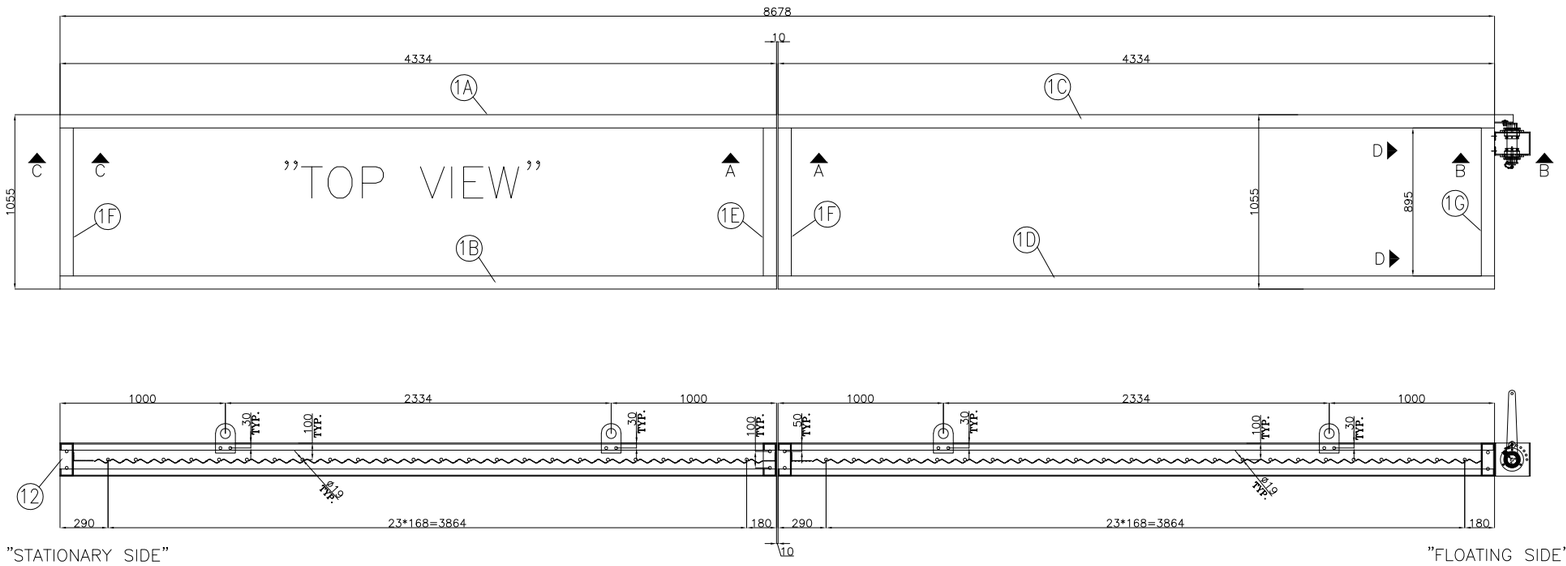
OIEC DRAWING NUMBER

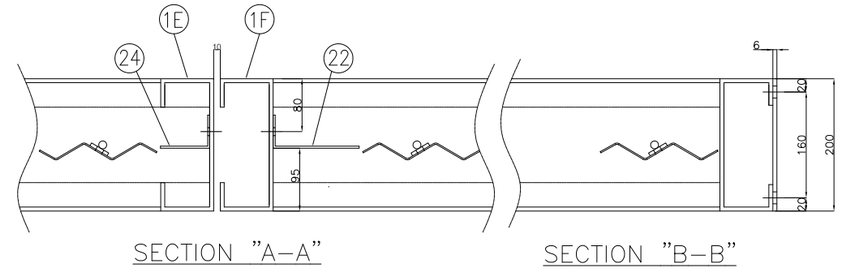
Project Code	Source	Unit & Section	Phase	Disc.	Doc. Type	Serial No.	Rev.

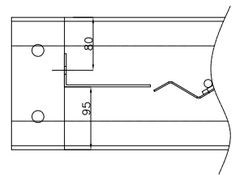
This document the property of OIEC. It is confidential and all rights reserved. Neither the whole nor part of this document may be disclosed to any third party,reproduced, stored in any retrieval system or transmitted in any form or by any means without the prior written consent of OIEC.

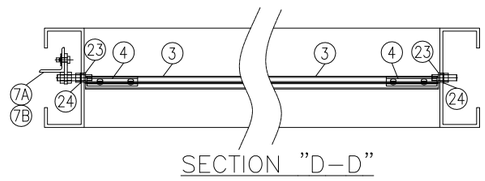
Contract No. :

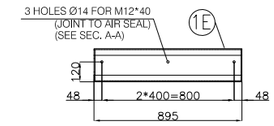
Date :

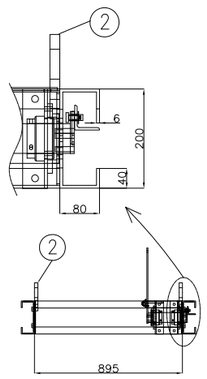


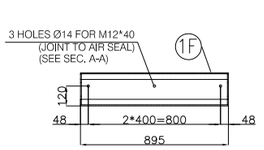


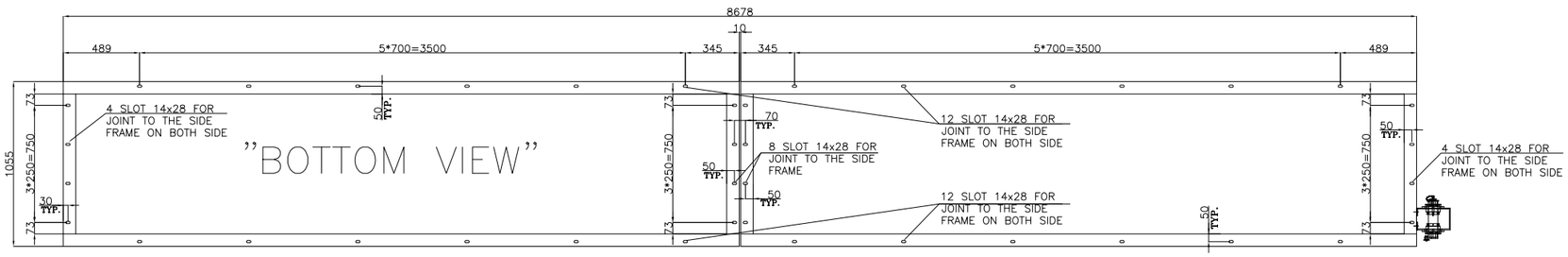


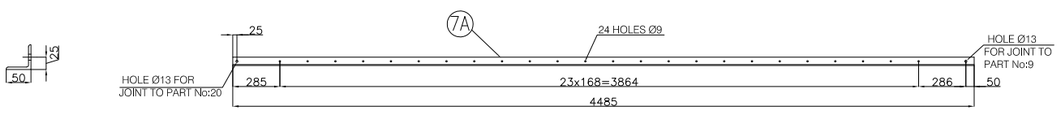


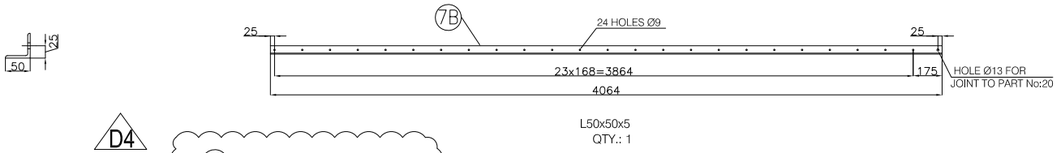


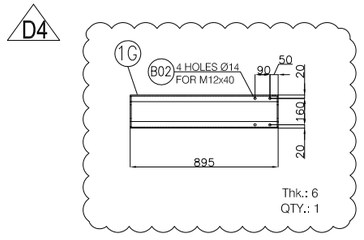


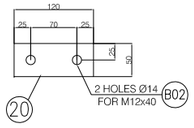


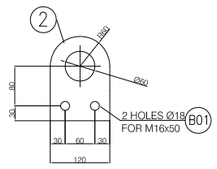












REV.	AAC TO PTEL	
00	Issued for Approval	23-Dec-2019
01	Issued for Approval	08-Feb-2020

Code1	☐ (Approved): No Comment and release for Manufacturing (Document to be stamped as Final for considering in Vendore Data Book)
Code2	☐ (Approved with Comment): VENDOR/Sub-contractor shall correct/revise document and issue it as "FOR APPROVAL" (Work May be Proceed)
Code3	☐ (Commented): VENDOR/Sub-contractor shall correct/revise and resubmit it as "FOR APPROVAL" of the date documents specified (Corrected document to be resubmitted before starting manufacturing)
No Code	☐ No Code: CONSULTANT and PURCHASER check results on Class2 documents will be returned without any CODE. VENDOR/Sub-contractor shall correct/revise document and issue it as "FOR INFORMATION"

Note- The above checking results by CONSULTANT and PURCHASER shall in no way relieve VENDOR/Sub-contractor of any liability, obligation and responsibility out of the Purchase Order and the mutual agreement in writing.

OIEC ...building trust — Date: Dept: Signature:

REV.	DATE	DESCRIPTION			
D4	15-Sep-2020	Issued for Approval	M.R / M.R	P.K	
D3	14-Mar-2020	Issued for Approval	M.R / M.R	P.K	
D2	25-Feb-2020	Issued for Approval	M.R / M.R	P.K	
D1	08-Feb-2020	Issued for Approval	M.R / M.R	P.K	
D0	23-Dec-2019	Issued for Approval	M.R / M.R	P.K	
			PREP. / CHECK	APPROVAL	OIEC APP.
				Contractor	

Project Title: NGL 3100 PROJECT

Contractor: OIEC ...building trust — شرکت مهندسی و ساختمان صنایع نفت

STATUS CODE: A=Comment/Review B=Approval C=Final Issue

LOUVER DRAWING
E-3170-02

Project No.: 17177
DWG No.: NGL-V-7123-VE-DW-0026
Petro-Techna Europe Limited
18645-Z-0121-03

DRAWING NUMBER

Project Name	Originator	Area	Train/Unit	Disc.	Dwg	Seq No.	Rev.	Sht No.	Status	Class	Size
NGL	V	7123		VE	DW	0026	D2	02 OF 03	B	1	A3

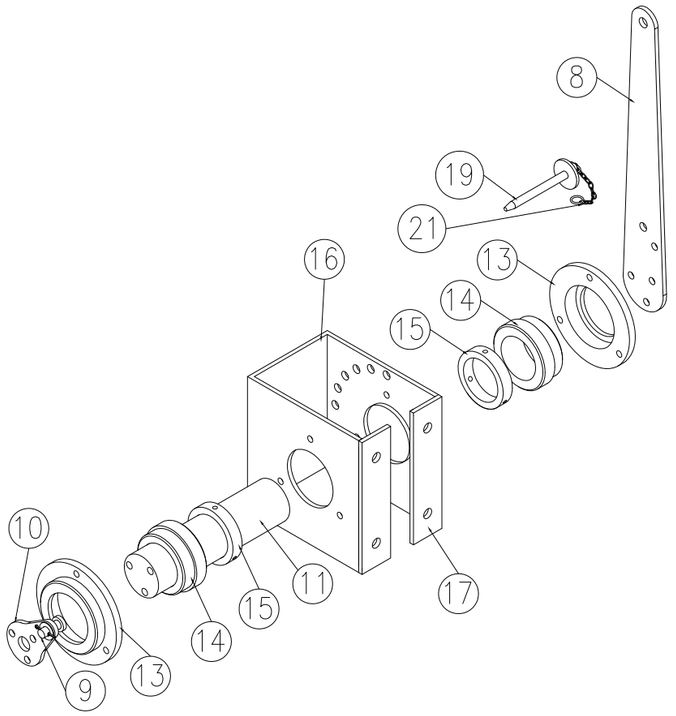
OIEC DRAWING NUMBER

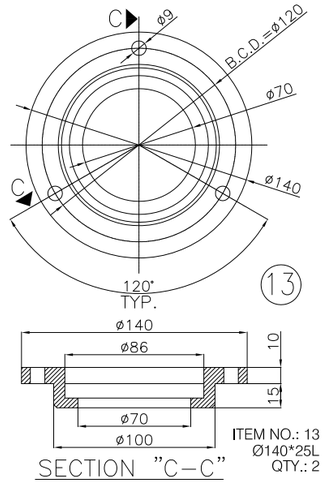
Project Code	Source	Unit & Section	Phase	Disc.	Doc. Type	Serial No.	Rev.

This document the property of OIEC. It is confidential and all rights reserved. Neither the whole nor part of this document may be disclosed to any third party,reproduced, stored in any retrieval system or transmitted in any form or by any means without the prior written consent of OIEC.

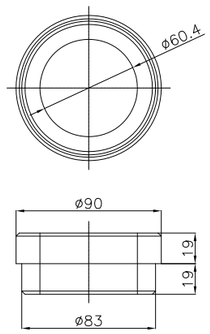
Contract No. :

Date :

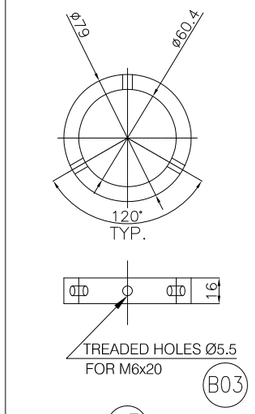




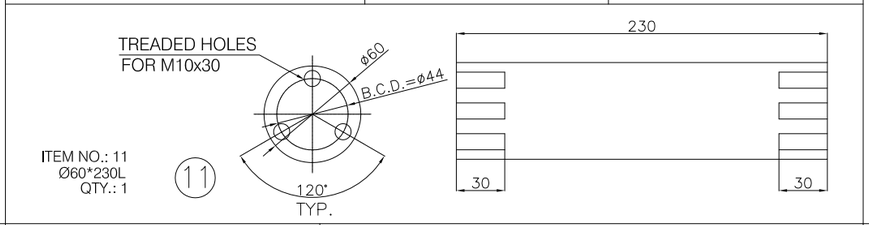
ITEM NO.: 13
Ø140*25L
QTY.: 2



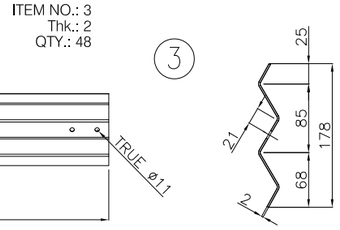
ITEM NO.: 14
Ø90*38L
QTY.: 2

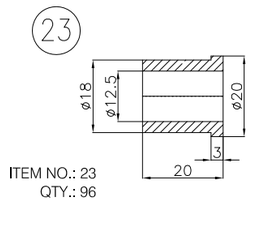


ITEM NO.: 15
Ø79*16L
QTY.: 2

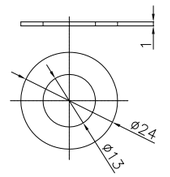


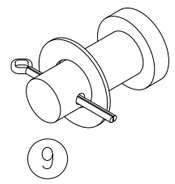
ITEM NO.: 11
Ø60*230L
QTY.: 1

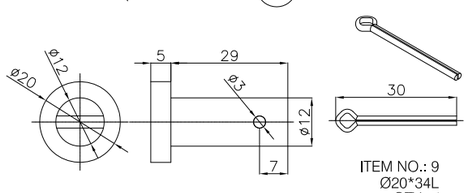




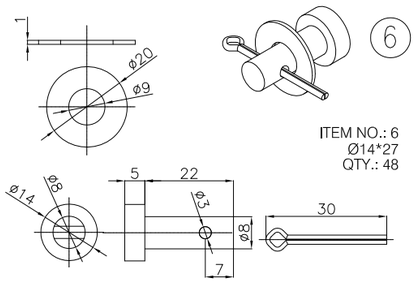
ITEM NO.: 23
QTY.: 96



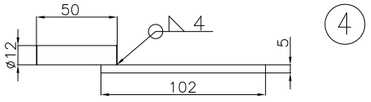




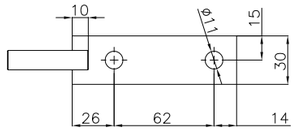
ITEM NO.: 9
Ø20*34L
QTY.: 1

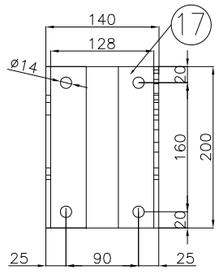


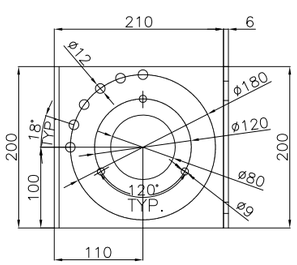
ITEM NO.: 6
Ø14*27
QTY.: 48

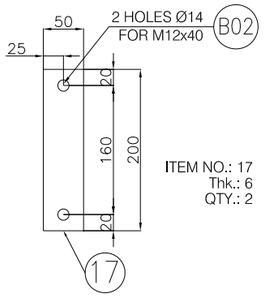


ITEM NO.: 4
QTY.: 48

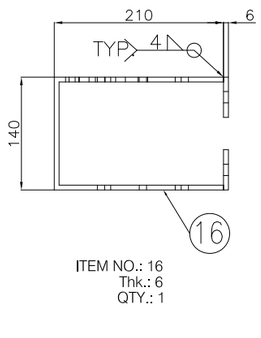




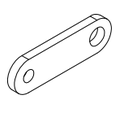


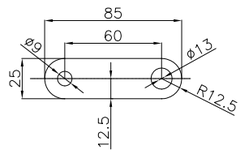


ITEM NO.: 17
Thk.: 6
QTY.: 2

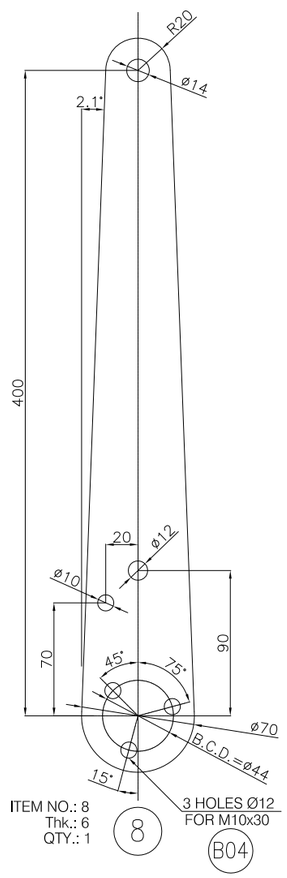


ITEM NO.: 16
Thk.: 6
QTY.: 1

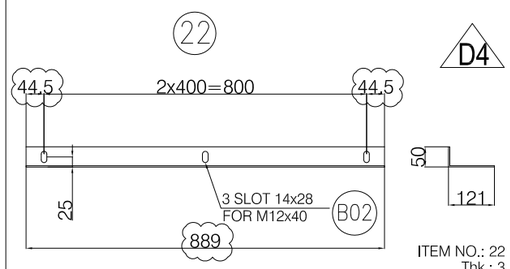




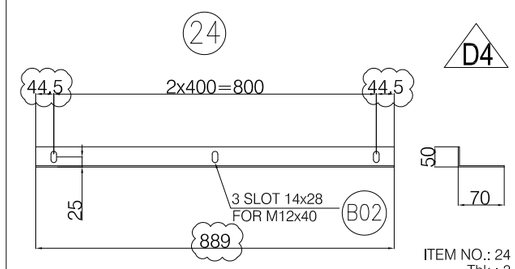
ITEM NO.: 5
Thk.: 6
QTY.: 48



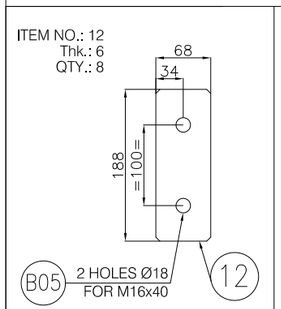
ITEM NO.: 8
Thk.: 6
QTY.: 1

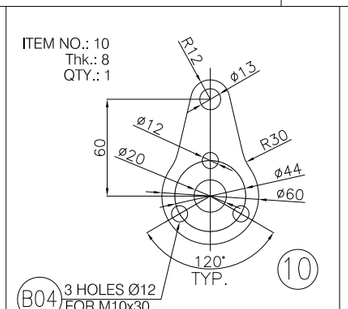


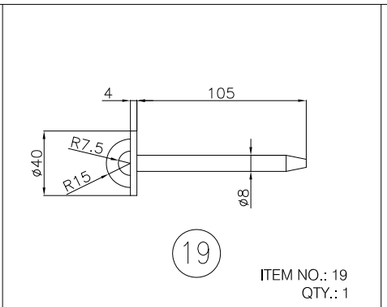
ITEM NO.: 22
Thk.: 3
QTY.: 2



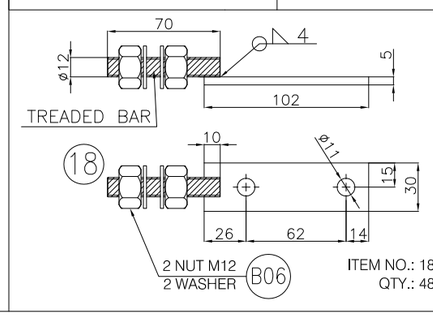
ITEM NO.: 24
Thk.: 3
QTY.: 1







ITEM NO.: 19
QTY.: 1



ITEM NO.: 18
QTY.: 48

REV.	AAC TO PTEL	
00	Issued for Approval	23-Dec-2019
01	Issued for Approval	08-Feb-2020

Code1	☐ (Approved): No Comment and release for Manufacturing (Document to be stamped as Final for considering in Vendore Data Book)
Code2	☐ (Approved with Comment): VENDOR/Sub-contractor shall correct/revise document and issue it as "FOR APPROVAL" (Work May be Proceed)
Code3	☐ (Commented): VENDOR/Sub-contractor shall correct/revise and resubmit it as "FOR APPROVAL" of the date documents specified (Corrected document to be resubmitted before starting manufacturing)
No Code	☐ No Code: CONSULTANT and PURCHASER check results on Class2 documents will be returned without any CODE. VENDOR/Sub-contractor shall correct/revise document and issue it as "FOR INFORMATION"

Note- The above checking results by CONSULTANT and PURCHASER shall in no way relieve VENDOR/Sub-contractor of any liability, obligation and responsibility out of the Purchase Order and the mutual agreement in writing.

OIEC building trust — Date: Dept: Signature:

REV.	DATE	DESCRIPTION	PREP.	CHECK	APPROVAL	OIEC APP.
D4	15-Sep-2020	Issued for Approval	M.R	M.R	P.K	
D3	14-Mar-2020	Issued for Approval	M.R	M.R	P.K	
D2	25-Feb-2020	Issued for Approval	M.R	M.R	P.K	
D1	08-Feb-2020	Issued for Approval	M.R	M.R	P.K	
D0	23-Dec-2019	Issued for Approval	M.R	M.R	P.K	

Contractor

Project Title: NGL 3100 PROJECT

Contractor: OIEC ...building trust — شرکت مهندسی و ساختمان صنایع فلسه

STATUS CODE: A=Comment/Review B=Approval C=Final Issue

LOUVER DRAWING
E-3170-02

Project No.: 17177
DWG No.: NGL-V-7123-VE-DW-0026

Petro-Techna Europe Limited

18645-Z-0121-03

DRAWING NUMBER

Project Name	Originator	Area	Train/Unit	Disc.	Dwg	Seq No.	Rev.	Sht No.	Status	Class	Size
NGL	V	7123		VE	DW	0026	D2	03 OF 03	B	1	A3

OIEC DRAWING NUMBER

Project Code	Source	Unit & Section	Phase	Disc.	Doc. Type	Serial No.	Rev.

This document the property of OIEC. It is confidential and all rights reserved. Neither the whole nor part of this document may be disclosed to any third party,reproduced, stored in any retrieval system or transmitted in any form or by any means without the prior written consent of OIEC.

Contract No. :

Date :