



Project No.: 17180		MATERIAL REQUISITION	 ABAN AIR-COOLER CO.
Req. No.: 1210/1			
Rev. No.: 00			
Preliminary	<input type="radio"/>	Code No.: QF-TE-02	ENGINEERING DEPARTMENT
			ERP : 128607
Final	<input checked="" type="radio"/>	Date & Rev.: 1394/11/16 - 1	SRD : 2021.MAY.05
			PAGE 1 OF 5

MATERIAL REQUISITION FOR LOUVER

0	04-Apr-2021	ISSUE FOR ROCUREMENT	M.Maghsad	M. Rostami	P.Karimzadeh
Rev.	Date	Description	Prepared	Checked	Approved

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			SRD : 2021.MAY.05
			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	
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2	x								36								
3	x								37								
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1- PURPOSE

The purpose of this document is to define vendor's scope of supply of **Louver** for air cooler 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

ITEM NO.	TAG NUMBER	QTY.	DESCRIPTION	LOCATION
1	E-1501	2	Air Cooler	-
2	E-1503	4	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 DRAWING	--	2	1546	3092	E-1501
2	LOUVER DRAWING	--	4	1700	3400	E-1503

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			PAGE 5 OF 5

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

Row	Description	DOCUMENT No.	REVISION	NO. OF SHEETS
1	LOUVER DRAWING	SDHT-TG0004-ME-VDWG-AE1501-028	02	3
2	LOUVER DRAWING	SDHT-TG0004-ME-VDWG-AE1503-030	03	3


NO.	DESCRIPTION	SIZE	MAT'L	Q'TY	WEIGHT	T.WEIGHT
1A	LOUVER FRAME	6x392x5552	A 36	1+1 mirror	102.5	205
1B	LOUVER FRAME	6x392x5552	A36	1+1 mirror	102.5	205
1C	LOUVER FRAME	6x392x4952	A36	1+1 mirror	91.5	183
1D	LOUVER FRAME	6x392x4952	A36	1+1 mirror	91.5	183
1E	LOUVER FRAME	6x392x995	A36	1+1 mirror	18.4	36.8
1F	LOUVER FRAME	6x392x995	A36	2+2 mirror	18.4	73.6
1G	LOUVER FRAME	6x392x995	A36	1+1 mirror	18.4	36.8
2	LIFTING	15x120x170	A36	16	2.5	40
3	BLADE	2x202x989	A36	122	3.2	390.4
4	FREE LEVER SHAFT	SEE DETAIL	A36	122	0.2	24.4
5	ARM	6x25x85	A36	122	0.12	14.7
6	PIN & WASHER	Ø14 , 27L	A36	122	0.005	0.7
7A	ANGLE	L50x50x5-5453L	A36	1+1 mirror	20.6	41.2
7B	ANGLE	L50x50x5-5066L	A36	1+1 mirror	19.1	38.2
8	HANDLE	6x70x455	A36	2	1.5	3
9	PIN & WASHER	Ø20 , 36L	A36	2	0.2	0.4
10	TRANSMITER	8x60x102	A36	2	0.3	0.6
11	SHAFT	Ø60x230 L	A36	2	5	10
12	END PLATE	6x68x188	A36	16	0.5	8
13	CAP	Ø140x25 L	Aluminum	4	0.5	2
14	BUSH	Ø90x38 L	Teflon	4	0.75	3
15	HOLDER	Ø79x16 L	Aluminum	4	0.25	1
16	ACTUATOR BOX	6x200x536	A36	2	5.5	11
17	PLATE	6x50x200	A36	4	0.5	2
18	LEVER	SEE DETAIL	A36	122	0.15	18.3
19	ROD	SEE DETAIL	A36	2	0.1	0.2
20	PLATE	6x50x120	A36	2	0.2	0.4
21	CHAIN	L : 300	A36	2	0.1	0.2
22	AIR SEAL	SEE DETAIL	A36	2	2.8	5.6
23	BUSH	Ø20x20 L	Teflon	122	0.01	1.3
24	AIR SEAL	SEE DETAIL	A36	2	2.8	5.6
TOTAL WEIGHT FOR 1 UNIT (Kg) :					1546	

GENERAL NOTE :
1-ALL THE WELDS ARE CONTINOUS EXCEPT SPECIFIED.
2-ALL DIMENSIONS ARE IN mm EXCEPT SPECIFIED.
3-FINISHING SURFACE : PANITED AS PER PAINTING SPEC. NO. SDHT-0000-ED-MC-SP-8009
4-LOUVER WEIGHT : 1546Kg.
5-BOLTING : DIN 933/ DIN 934/ DIN 963 (GALVANIZED)
6- TOTAL QTY. = 2


REFERENCE DRAWINGS					
TITLE			DWG. No.		
TUBE BUNDLE DETAIL			SDHT-TG0004-ME-VDWG-AE1501-001		
GENERAL ARRANGMENT			SDHT-TG0004-ME-VDWG-AE1501-004		
BUNDLE FRAME			SDHT-TG0004-ME-VDWG-AE1501-007		
STEEL STRUCTURE			SDHT-TG0004-ME-VDWG-AE1501-010		
NUM	DESCRIPTION	SIZE	QTY	STANDARD	REMARK
B01	HEX. B/N/2W/SW	M16x50	32	DIN933/934/126	---
B02	HEX. B/N/2W/SW	M12x40	28	DIN933/934/126	---
B03	HEX. B	M6x20	12	DIN963	---
B04	HEX. B	M10x30	12	DIN963	---
B05	HEX. B/N/2W/SW	M16x40	32	DIN933/934/126	---
B06	HEX. 2N/2W	M12	120	DIN934/126	---

REFERENCE DRAWINGS		
TITLE		DWG. No.
General Arrangement Drawing	AE-1503	SDHT-TG0004-ME-VDWG-AE1503-006
Tube Bundle Detail Drawing	AE-1503	SDHT-TG0004-ME-VDWG-AE1503-003
Steel Structure Drawing	AE-1503	SDHT-TG0004-ME-VDWG-AE1503-012


NOTES
1-ALL THE WELDS ARE CONTINOUS EXCEPT SPECIFIED.
2-ALL DIMENSIONS ARE IN mm EXCEPT SPECIFIED.
3-Surface Preparation, Painting and Coating Procedure for Air Cooler : SDHT-TG0004-ME-VPRC-0405-010
4-EVENTUAL WELDED JOINTS OF FRAMES SHALL BE GROOVED TYPE.T. TEST SHALL BE DONE
5-BOLTING :DIN 933/ DIN 934/ DIN 963 HOT DIP & ZINC/ALUMINUM DIP SPIN (DACROMENT) COATING ACCORDING TO ASTM A490-4.3.1 & ASTM F1136
6-TOTAL QTY: 2*2=4
7-FLOATING SUPPORT NUT & BOLT SHALL BE REMOVE AFTER INSTALLATION (SEE SHEET 2 OF 3 OF THIS DRAWING)

Code1	<input type="checkbox"/> Approved (Vendor shall issue "AFC"/ "FIN" status)				
Code2	<input type="checkbox"/> Approved as noted (Vendor to amend and submit the "Issued for Approval " status)				
Code3	<input type="checkbox"/> Commented (Vendor to amend and submit the "Issued for Approval " status)				
Code4	<input type="checkbox"/> Rejected (Vendor to resubmit with same revision)				
The above checking result by Purchaser shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing					
	DATE : DEPT: Signature :				
Only for internal review					
CV	PI	EL	IN	ME	MA
ST	MC	PR	SF	HV	TC


02	??,Jun,2021	???????????	M.Maghsad	M.Rostai	P.Karimizadeh
01	30.Dec.2020	ISSUED FOR APPROVAL	M.Maghsad	M.Rostai	P.Karimizadeh
00	12.Dec.2020	IFI	M.Maghsad	M.Rostai	P.Karimizadeh
REV.	DATE	DESCRIPTION	PREP.	CHK.	APP.



DISTILLATE HYDROTREATING
PROJECT SHIRAZ OIL REFINERY

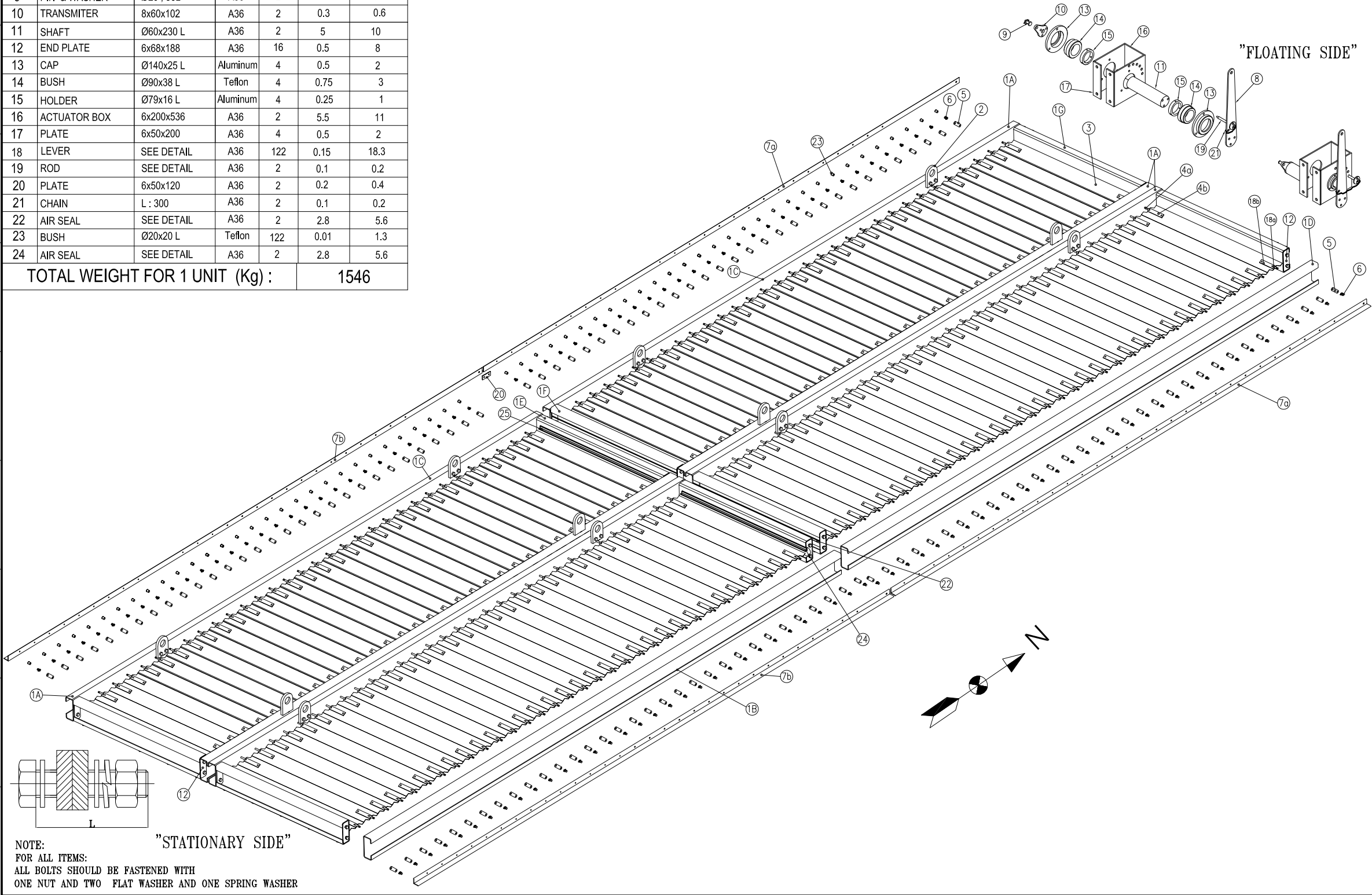


Oil Design & Construction Co.



AAC
PROJ. NO:17180

DRAWING TITLE: LOUVER DRAWING AE-1501					
PREP.: M.Maghsad		CHECK: M.Rostami		APPR.:P.Karimizadeh	
CONT. JOB No.:			CONT. DWG. No.:		
DOCUMENT No.: SDHT-TG0004-ME-VDWG-AE1501-028					Sc.:None SIZE: A3
PROJ.	P.O NO.	DISC.	DOC TYPE	TAG NO.	SHEET NO.:
SDHT	TG0004	ME	VDWG	AE1501	028 02 1 of 3



NO.	DESCRIPTION	SIZE	MAT'L	Q'TY	WEIGHT	T.WEIGHT
1A	LOUVER FRAME	6x392x5238	A 36	1+1 mirror	96.7	193.4
1B	LOUVER FRAME	6x392x5238	A 36	1+1 mirror	96.7	193.4
1C	LOUVER FRAME	6x392x5238	A 36	1+1 mirror	96.7	193.4
1D	LOUVER FRAME	6x392x5238	A 36	1+1 mirror	96.7	193.4
1E	LOUVER FRAME	6x392x1235	A 36	1+1 mirror	22.8	45.6
1F	LOUVER FRAME	6x392x1235	A 36	2+2 mirror	22.8	91.2
1G	LOUVER FRAME	6x392x2640	A 36	1	22.8	22.8
2	LIFTING	15x120x170	A 36	16	5	80
3	BLADE	2x202x1229	A 36	120	3.9	468
4	FREE LEVER SHAFT	SEE DETAIL	A 36	120	0.2	24
5	ARM	6x25x85	A 36	120	0.12	14.4
6	PIN & WASHER	Ø14 , 27L	A 36	120	0.005	0.6
7A	ANGLE	L50x50x5-5352L	A 36	1+1 mirror	25.7	51.4
7B	ANGLE	L50x50x5-5139L	A 36	1+1 mirror	24.7	49.4
8	HANDLE	6x70x455	A 36	2	1.5	3
9	PIN & WASHER	Ø20 , 36L	A 36	2	0.2	0.4
10	TRANSMITER	8x60x102	A 36	2	0.3	0.6
11	SHAFT	Ø60x230 L	A 36	2	5	10
12	END PLATE	6x68x188	A 36	16	0.5	8
13	CAP	Ø140x25 L	Aluminum	4	0.5	2
14	BUSH	Ø90x38 L	Teflon	4	0.75	3
15	HOLDER	Ø79x16 L	Aluminum	4	0.25	1
16	ACTUATOR BOX	6x200x536	A 36	2	5.5	11
17	PLATE	6x50x200	A 36	4	0.5	2
18	LEVER	SEE DETAIL	A 36	120	0.15	18
19	ROD	SEE DETAIL	A 36	4	0.1	0.4
20	PLATE	6x50x120	A 36	2	0.2	0.4
21	CHAIN	L : 300	A 36	2	0.1	0.2
22	AIR SEAL	SEE DETAIL	A 36	2	4.3	8.6
23	BUSH	Ø20x20 L	Teflon	120	0.01	1.2
24	AIR SEAL	SEE DETAIL	A 36	2	4.3	8.6
TOTAL WEIGHT FOR 1 UNIT (Kg) :					1700	

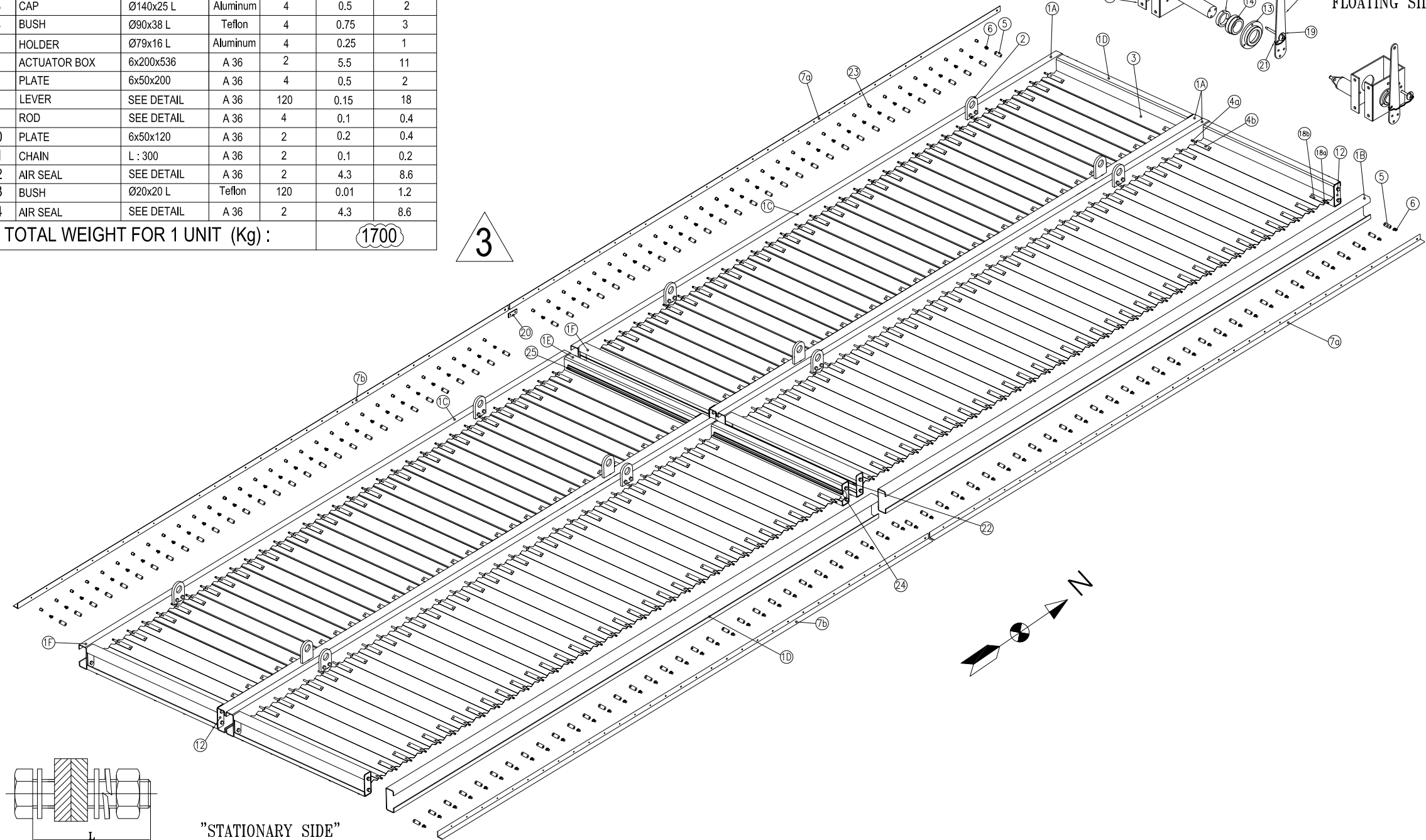
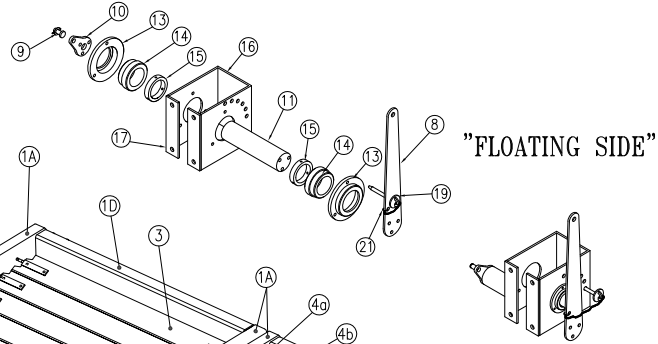
GENERAL NOTE :
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2-ALL DIMENSIONS ARE IN mm EXCEPT SPECIFIED.
3-FINISHING SURFACE : PANITED AS PER PAINTING SPEC. NO. SDHT-0000-ED-MC-SP-8009
4-LOUVER WEIGHT :1700Kg.
5-BOLTING : DIN 933/ DIN 934/ DIN 963 (GALVANIZED)
6- TOTAL QTY. =4

3

REFERENCE DRAWINGS

TITLE	DWG. No.
TUBE BUNDLE DETAIL	SDHT-TG0004-ME-VDWG-AE1503-003
GENERAL ARRANGMENT	SDHT-TG0004-ME-VDWG-AE1503-006
BUNDLE FRAME	SDHT-TG0004-ME-VDWG-AE1503-009
STEEL STRUCTURE	SDHT-TG0004-ME-VDWG-AE1503-012

NUM	DESCRIPTION	SIZE	QTY	STANDARD	REMARK
B01	HEX. B/N/2W/SW	M16x50	32	DIN933/934/126	---
B02	HEX. B/N/2W/SW	M12x40	36	DIN933/934/126	---
B03	HEX. B	M6x20	12	DIN963	---
B04	HEX. B	M10x30	12	DIN963	---
B05	HEX. B/N/2W/SW	M16x40	32	DIN933/934/126	---
B06	HEX. 2N/2W	M12	116	DIN934/126	---



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

REFERENCE DRAWINGS

TITLE	DWG. No.
General Arrangement Drawing AE-1503	SDHT-TG0004-ME-VDWG-AE1503-006
Tube Bundle Detail Drawing AE-1503	SDHT-TG0004-ME-VDWG-AE1503-003
Steel Structure Drawing AE-1503	SDHT-TG0004-ME-VDWG-AE1503-012

NOTES

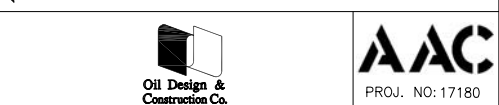
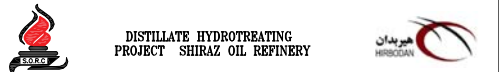
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The above checking result by Purchaser shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing

	DATE :
	DEPT:
	Signature :

Only for internal review					
CV	PI	EL	IN	ME	MA
ST	MC	PR	SF	HV	TC

03	????	??????????	M.Maghsad	M.Rostai	P.Karimizadeh
02	30.Dec.2020	ISSUED FOR APPROVAL	M.Maghsad	M.Rostai	P.Karimizadeh
01	09.Dec.2020	ISSUED FOR INFORMATION	M.Maghsad	M.Rostai	P.Karimizadeh
00	09.Nov.2020	ISSUED FOR APPROVAL	M.Maghsad	M.Rostai	P.Karimizadeh
REV.	DATE	DESCRIPTION	PREP.	CHK.	APP.



DRAWING TITLE:
LOUVER DRAWING
AE-1503

PREP.: M.Maghsad CHECK: M.Rostami APPR.:P.Karimizadeh

CONT. JOB No.: CONT. DWG. No.:

DOCUMENT No.: SDHT-TG0004-ME-VDWG-AE1503-030 SC:None
SIZE: A3

PROJ.	P.O NO.	DISC.	DOC TYPE	TAG NO.	SERIAL NO.	REV.	SHEET NO.:
SDHT	TG0004	ME	VDWG	AE1503	030	03	1 of 3

