



PART NO.	DESCRIPTION	DIMENSIONS				MATERIAL	QTY.	UNIT	TOTAL WEIGHT	STD DWO	REV.
		Ø	LENGTH	WIDTH	THK						
2400-00	BUNDLE FRAME INCLUDING :	-	-	-	-	-	2	1097	2181	-	-
2410-00	LEFT SIDE INCLUDING :	-	-	-	-	-	-	289	-	-	-
2410-01	PLATE	6040	902	6	-	ST-37(GALV.)	1	257	257	-	-
2410-02	PLATE (LIFTING LUG)	310	140	20	-	ST-37(GALV.)	2	7	14	-	-
2410-03	FRONT TRANSPORTATION HEADER SUPPORT (ASSEMBLY)	270	60	12	-	ST-37(GALV.)	1	2	2	-	-
2410-04	REAR TRANSPORTATION HEADER SUPPORT (ASSEMBLY)	270	60	12	-	ST-37(GALV.)	1	2	2	-	-
2410-07	FRONT HEADER SUPPORT	285	287	12	-	ST-37(GALV.)	1	8	8	-	-
2410-08	REAR HEADER SUPPORT	285	287	12	-	ST-37(GALV.)	1	8	8	-	-
2420-00	RIGHT SIDE INCLUDING :	-	-	-	-	-	-	289	-	-	-
2420-01	PLATE	6040	902	6	-	ST-37(GALV.)	1	257	257	-	-
2420-02	PLATE (LIFTING LUG)	310	140	20	-	ST-37(GALV.)	2	7	14	-	-
2420-03	FRONT TRANSPORTATION HEADER SUPPORT (ASSEMBLY)	270	60	12	-	ST-37(GALV.)	1	2	2	-	-
2420-04	REAR TRANSPORTATION HEADER SUPPORT (ASSEMBLY)	270	60	12	-	ST-37(GALV.)	1	2	2	-	-
2420-07	FRONT HEADER SUPPORT	285	287	12	-	ST-37(GALV.)	1	8	8	-	-
2420-08	REAR HEADER SUPPORT	285	287	12	-	ST-37(GALV.)	1	8	8	-	-
2430-00	CROSSPIPES INCLUDING :	-	-	-	-	-	-	125	-	-	-
2431-00	BRACED SUPPORT ANGLE(ASSEMBLY)(L80*8)	2485	-	-	-	ST-37(GALV.)	3	25	75	-	-
2432-00	UPN 100 (ASSEMBLY)	2485	-	-	-	ST-37(GALV.)	1	62	62	-	-
2433-00	UPN 100 (ASSEMBLY)	2485	-	-	-	ST-37(GALV.)	2	62	125	-	-
2434-00	L70*7 (ASSEMBLY)	1199	-	-	-	ST-37(GALV.)	4	14	56	-	-
2441-01	REAR UPPER AIR SEAL	2593	343	3	-	ST-37(GALV.)	1	21	21	-	-
2442-01	REAR LOWER AIR SEAL	2593	498	3	-	ST-37(GALV.)	1	30	30	-	-
2443-01	FRONT UPPER AIR SEAL	2593	343	3	-	ST-37(GALV.)	1	21	21	-	-
2444-01	FRONT LOWER AIR SEAL	2593	445	3	-	ST-37(GALV.)	1	27	27	-	-
2435-00	R1X 60x60x4	2593	-	-	-	ST-37(GALV.)	1	14	14	-	-
2436-00	FLAT 30x90	2593	-	-	-	ST-37(GALV.)	1	12	12	-	-
2460-00	BOLTS & NUTS INCLUDING :	-	-	-	-	-	-	-	-	-	-
2462-00	BOLTS & NUTS FOR FIXING HEADER & TRANSPORTATION :	-	-	-	-	-	-	-	-	-	-
2462-01	BOLT	M16	70	-	-	DIN933-8 (DACROMET)	8	-	-	-	-
2462-02	NUT	M16	-	-	-	DIN934-8 (DACROMET)	8	-	-	-	-
2462-03	WASHER FOR BOLT	A17	-	-	-	DIN125-SL (DACROMET)	32	-	-	-	-
2463-00	SCREWS & NUTS FOR TEFLON CALE :	-	-	-	-	-	-	-	-	-	-
2463-01	SCREW	M8	40	-	-	DN7591-8-8 10 (GALV)	8	-	-	-	-
2463-02	NUT	M8	-	-	-	DIN934-8 (DACROMET)	8	-	-	-	-
2463-03	WASHER FOR BOLT	A8.4	-	-	-	DIN125-SL (DACROMET)	8	-	-	-	-
2464-00	BOLTS & NUTS FOR CROSS PIECE TO BUNDLE FRAME :	-	-	-	-	-	-	-	-	-	-
2464-01	BOLT	M16	40	-	-	DIN933-8 (DACROMET)	56	-	-	-	-
2464-02	NUT	M16	-	-	-	DIN934-8 (DACROMET)	56	-	-	-	-
2464-03	WASHER FOR BOLT	A17	-	-	-	DIN125-SL (DACROMET)	112	-	-	-	-
2465-00	BOLTS & NUTS FOR AIR SEAL :	-	-	-	-	-	-	-	-	-	-
2465-01	BOLT	M12	40	-	-	DIN933-8 (DACROMET)	22	-	-	-	-
2465-02	NUT	M12	-	-	-	DIN934-8 (DACROMET)	22	-	-	-	-
2465-03	WASHER FOR BOLT	A13	-	-	-	DIN125-SL (DACROMET)	44	-	-	-	-
2466-00	BOLTS & NUTS FOR FIXING BRACE TO BUNDLE FRAME :	-	-	-	-	-	-	-	-	-	-
2466-01	BOLT	M16	40	-	-	DIN933-8 (DACROMET)	4	-	-	-	-
2466-02	NUT	M16	-	-	-	DIN934-8 (DACROMET)	4	-	-	-	-
2466-03	WASHER FOR BOLT	A17	-	-	-	DIN125-SL (DACROMET)	8	-	-	-	-
2467-00	BOLTS & NUTS FOR BUNDLE FRAME TO STRUCTURE :	-	-	-	-	-	-	-	-	-	-
2467-01	BOLT	M20	50	-	-	DIN933-8 (GALV)	12	-	-	-	-
2467-02	NUT	M20	-	-	-	DIN934-8 (GALV)	12	-	-	-	-
2467-03	WASHER FOR BOLT	A21	-	-	-	DIN125-SL (GALV)	24	-	-	-	-
2468-00	BOLTS & NUTS FOR HEADER SUPPORT TO BUNDLE FRAME :	-	-	-	-	-	-	-	-	-	-
2468-01	BOLT	M20	50	-	-	DIN933-8 (GALV)	12	-	-	-	-
2468-02	NUT	M20	-	-	-	DIN934-8 (DACROMET)	12	-	-	-	-
2468-03	WASHER FOR BOLT	A21	-	-	-	DIN125-SL (DACROMET)	24	-	-	-	-
2469-00	BOLTS & NUTS FOR BUNDLE TO STRUCTURE SEALING :	-	-	-	-	-	-	-	-	-	-
2469-01	BOLT	M12	40	-	-	DIN933-8 (GALV)	12	-	-	-	-
2469-02	NUT	M12	-	-	-	DIN934-8 (GALV)	12	-	-	-	-
2469-03	WASHER FOR BOLT	A13	-	-	-	DIN125-SL (GALV)	24	-	-	-	-
2480-02	FIN TUBE SPACER FOR TUBE T1 (TYPE 4)	943	32.5	-	-	ST-37(GALV.)	18	0.497	9	2849	-
2480-03	SLIDING PAD	69	10	-	-	TEFLON WITH 20% GLASS	4	0.3766	2	2845	-
2480-05	CORRUGATEDB STRIP(TYPE1)	2477	45	-	-	ALUMINIUM	9	1	5	2810	-
2481-02	UPN 100	2477	-	-	-	ST-37(GALV.)	2	26	53	-	-



TOLERANCES
 THE FOLLOWING VALUES ARE APPLICABLE TO THE DIMENSIONS THAT ARE NOT PROVIDED WITH TOLERANCES ON DRAWING

NOMINAL DIMENSIONS PER MILLIMETER STEPS	0	801	5001
	±	±	±
TOLERANCES	±	±	±
TOLERANCE ON CENTER DISTANCES	±	±	±
THE TOLERANCES SHOWN HERE ARE NOT CUMULATIVE			

REFERENCE DOCUMENTS

TITLE	VENDOR DOCUMENT NO.	CLIENT DOCUMENT NO.
GENERAL ARRANGEMENT	1158-A01-1000-00	EI027-DMF-VD-ME-DWG-003
TUBE BUNDLE DRAWING	1158-A01-2000-00	EI027-DMF-VD-ME-DWG-005
Steel Structure Drawing	1158-A01-1100-00	EI027-DMF-VD-ST-DWG-013
WELDING PROCEDURE SPECIFICATION (W.P.S.)	1158-A01-0060-00	EI027-DMF-VD-QC-WPS-021
NON DESTRUCTIVE TEST CHECK LIST (N.D.T.)	1158-A01-0070-00	EI027-DMF-VD-QC-PRO-022
Surface Blasting & Painting & Galvanizing Specification & Inspection Procedure	1158-A01-0070-00	EI027-DMF-VD-QC-PRO-024

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY	FINAL APPROVED BY
R1	10/07/2024	ISSUED FOR APPROVAL	SH.S	S.S	J.B.L	A.GHZ
R0	08/11/2024	ISSUED FOR APPROVAL	SH.S	S.S	J.B.L	A.GHZ

CLIENT:

CONTRACTOR:

ENBR TEKNOLOJI

PROJECT :
 AIR COOLER FOR
 Toase-che Park Sanati Gohar Ofogh Petrochemical Co.

BUNDLE FRAME DRAWING
 1158-A01-2400-00