



TOTAL UNITS - 2											
PART LIST FOR UNIT											
PART NO.	DESCRIPTION	PROFILE	DIAM (mm)	LENGTH (mm)	WIDTH (mm)	THK (mm)	MATERIAL	QTY.	UNIT WEIGHT (kg)	TOTAL WEIGHT (kg)	REV.
1110.1	COLUMN ASS.	HEA140	800	-	-	-	ST.PAINTED	1	247.3	247.3	
1110.2	COLUMN ASS.	HEA160	800	-	-	-	ST.PAINTED	1	268.8	268.8	
1110.3	COLUMN ASS.	HEA160	500	-	-	-	ST.PAINTED	1	251.8	251.8	
1110.4	COLUMN ASS.	HEA160	500	-	-	-	ST.PAINTED	1	249.8	249.8	
1110.5	COLUMN ASS.	HEA160	500	-	-	-	ST.PAINTED	1	271.4	271.4	
1110.6	COLUMN ASS.	HEA160	500	-	-	-	ST.PAINTED	1	209.6	209.6	
1110.1	PIPE SUPPORT ASS.	L80*8	257	-	-	-	ST.PAINTED	1	2.8	2.8	R1
1110.2	PIPE SUPPORT ASS.	L80*8	278	-	-	-	ST.PAINTED	1	3.4	3.4	R1
1110.3	PIPE SUPPORT ASS.	L80*8	282	233	-	-	ST.PAINTED	1	6.9	6.9	R1
1110.4	PIPE SUPPORT ASS.	L80*8	597	336	-	-	ST.PAINTED	1	11.9	11.9	R1
1110.5	PIPE SUPPORT ASS.	L80*8	463	362	-	-	ST.PAINTED	1	8.7	8.7	R1
1110.6	PIPE SUPPORT ASS.	L80*8	463	408	-	-	ST.PAINTED	1	9.6	9.6	R1
1110.7	PIPE SUPPORT ASS.	BOX80*80*6	400	412	-	-	ST.PAINTED	1	33.3	33.3	R1
1110.8	PIPE SUPPORT ASS.	L80*8	235	-	-	-	ST.PAINTED	4	3.4	13.6	R1
1110.9	HORIZONTAL BRACING ASS.	HE120	1588	-	-	-	ST.PAINTED	8	16.4	131.2	
1110.10	BEAM ASS.	HEA140	2303	-	-	-	ST.PAINTED	2	47.5	135	
1110.11	BEAM ASS.	HEA140	2303	-	-	-	ST.PAINTED	2	47.5	135	
1110.12	BEAM ASS.	HEA140	2303	-	-	-	ST.PAINTED	1	71.1	71.1	
1110.13	BEAM ASS.	HEA140	2303	-	-	-	ST.PAINTED	1	75.8	75.8	
1110.14	BEAM ASS.	HEA140	2303	-	-	-	ST.PAINTED	1	71.1	71.1	
1110.15	BEAM ASS.	HEA140	2303	-	-	-	ST.PAINTED	1	75.8	75.8	
1110.16	BRACING ASS.	UPN20	4034	-	-	-	ST.PAINTED	8	9.72	77.6	
1110.17	BRACING ASS.	UPN20	4034	-	-	-	ST.PAINTED	6	9.69	58.1	
1110.18	WALKWAY SUPPORT ASS.	HEA120	1235	-	-	-	ST.PAINTED	2	27.9	55.8	
1110.19	WALKWAY SUPPORT ASS.	HEA120	1235	-	-	-	ST.PAINTED	2	27.9	55.8	
1110.20	WALKWAY SUPPORT ASS.	HE120	1439	-	-	-	ST.PAINTED	4	17.5	70	
1110.1	SEALING ASS.	PLATE	870	182	2	-	ST.PAINTED	2	15.7	31.4	
1110.1	L-SHAPE PLENUM	L70*7	2670	-	-	-	ST.PAINTED	2	18.7	37.4	
1110.2	L-SHAPE PLENUM	L70*7	2670	-	-	-	ST.PAINTED	2	18.7	37.4	
1110.3	L-SHAPE PLENUM	L70*7	2628	-	-	-	ST.PAINTED	4	19.4	77.6	
1110.4	CABLE TRY SUPPORT ASS.	L80*8	513	-	-	-	ST.PAINTED	3	5	15	R1
1110.5	CABLE TRY SUPPORT ASS.	L80*8	513	-	-	-	ST.PAINTED	4	5	20	R1
1110.6	CABLE TRY SUPPORT ASS.	L80*8	580	446	-	-	ST.PAINTED	2	13.7	27.4	R1
1110.1	THE ROD BEAM ASS.	HEA120	2099	-	-	-	ST.PAINTED	2	55.2	110.4	R1

TOTAL WEIGHTS AND LIST OF BOLTS, NUTS & WASHERS FOR UNIT											
PART NO.	DESCRIPTION	PROFILE	DIAM (mm)	LENGTH (mm)	WIDTH (mm)	THK (mm)	MATERIAL	QTY.	UNIT WEIGHT (kg)	TOTAL WEIGHT (kg)	REV.
1110.1	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	56	-	-	
1110.2	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	56	-	-	
1110.3	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	112	-	-	
1110.4	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	112	-	-	
1110.5	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	112	-	-	
1110.6	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	224	-	-	
1110.7	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	154	-	-	
1110.8	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	154	-	-	
1110.9	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	208	-	-	
1110.10	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	32	-	-	
1110.11	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	32	-	-	
1110.12	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	64	-	-	
1110.13	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	8	-	-	
1110.14	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	8	-	-	
1110.15	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	16	-	-	
1110.16	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	40	-	-	
1110.17	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	40	-	-	
1110.18	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	80	-	-	
1110.19	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	8	-	-	
1110.20	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	8	-	-	
1110.21	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	36	-	-	R1
1110.22	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	36	-	-	R1
1110.23	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	36	-	-	R1
1110.24	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	18	-	-	R1
1110.25	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	18	-	-	R1
1110.26	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	18	-	-	R1
1110.27	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	12	-	-	R1
1110.28	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	48	-	-	
1110.29	BEAM ASS.	M16	50	-	-	-	DIN 934 (DACROMET)	48	-	-	
1110.30	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	96	-	-	
1110.31	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	12	-	-	
1110.32	BEAM ASS.	M12	40	-	-	-	DIN 934 (DACROMET)	24	-	-	

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETER.
- ALL PARTS SHALL PAINTED ACCORDING TO E1027-DMF-VD-QC-PRO-024
- BOLTS & NUTS SHALL BE DACROMET IN ACCORDANCE WITH ASTM - A153 OR EN ISO 1461
- WELD: CONTINUOUS WELD.
MIN. HEIGHT OF FILLET WELD = 0.7 x MIN. THK.
< MAX. THK. , IF MAX. THK < 7mm
< MAX. THK .15 , IF MAX. THK > 7mm

TOLERANCES

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

NOMINAL DIMENSIONS PER MILLIMETER STEPS	0	201	801	2001	5001
TOLERANCES ±	2	3	5	6	7

TOLERANCE ON CENTER DISTANCES ± 1.5
THE TOLERANCES SHOWN HERE ARE NOT CUMULATIVE

General Arrangement Drawing	1158-A01-1000-00	E1027-DMF-VD-ME-DWG-003
Bundle Frame Drawing	1158-A01-2400-00	E1027-DMF-VD-ME-DWG-007
Plenum Drawing	1158-A01-5110-00	E1027-DMF-VD-ME-DWG-011
Header Walkway Drawing	1158-A01-1200-00	E1027-DMF-VD-ST-DWG-014
Ladder Drawing	1158-A01-1520-00	E1027-DMF-VD-ST-DWG-015

RI	11/13/2024	ISSUED FOR APPROVAL	J.M.	J.B.L	J.B.L	AGHZ
RO	09/01/2024	ISSUED FOR APPROVAL	J.M.	J.B.L	J.B.L	AGHZ
REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY	FINAL APPROVED BY

ENRER TEKNOLOJİ

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

Steel Structure Drawing
1158-A01-100-00

DWG. NO. E1027-DMF-VD-ST-DWG-013
SCALE : NTS SIZE : A1 REV. : R1

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dt Damafin thermal technology
Factory : Km 14 special Karaj road