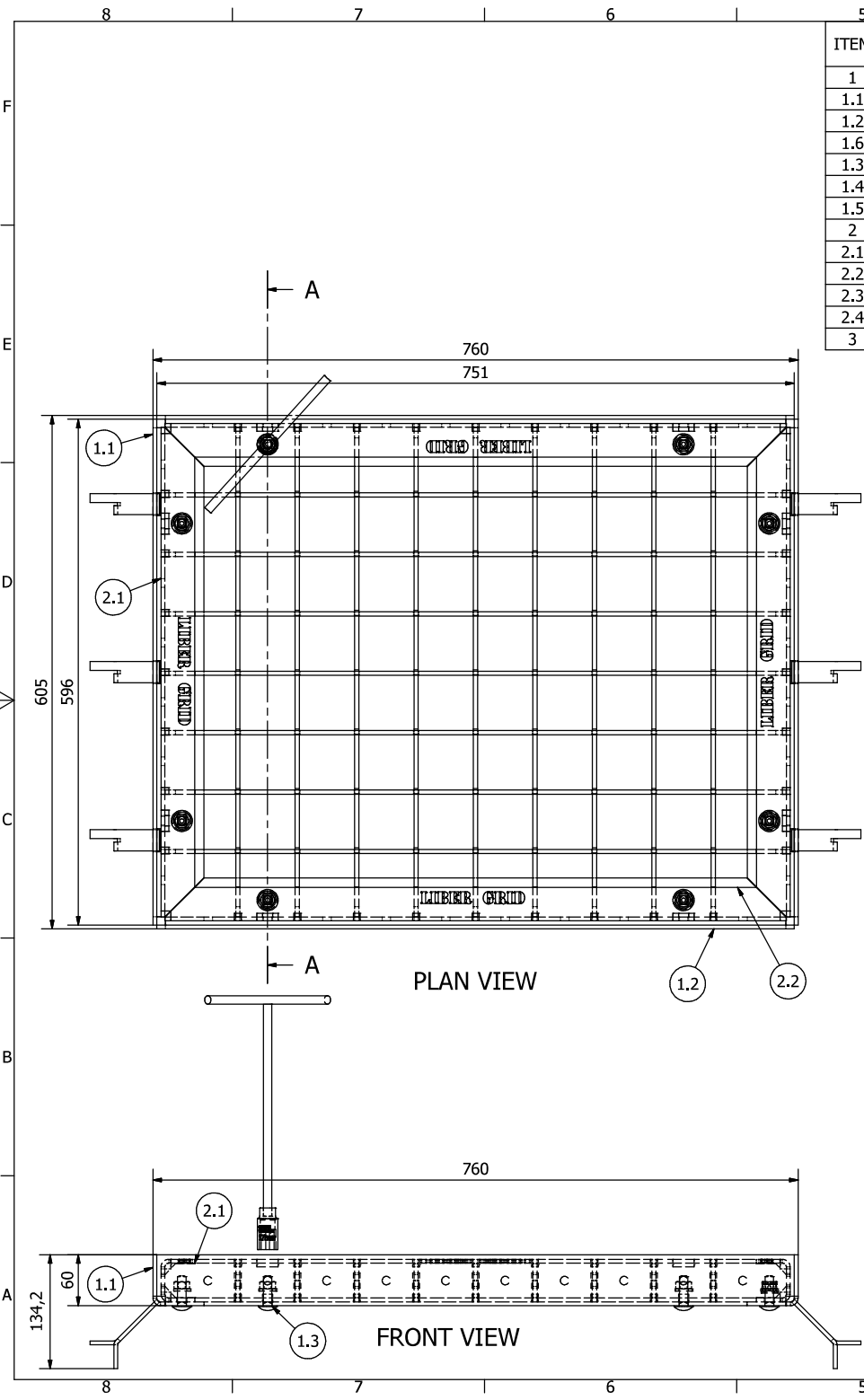
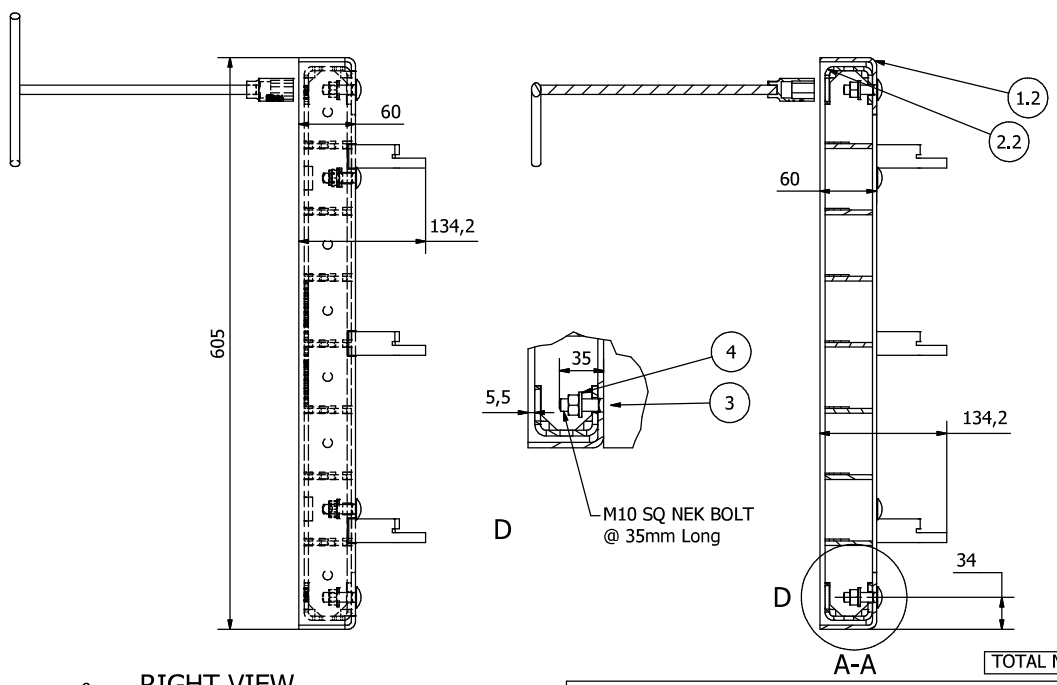




ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	MASS Per One Unit in KG	Total Weight KG
1	1	MD-S1-CF-A1	CAST FRAME MD SERIES 1	S355 JR	11,032	11,032
1.1	2	MD-S1-CF-A1-P01	4.5 THK BEND PLT	S355 JR	2,214	4,427
1.2	2	MD-S1-CF-A1-P02	4.5 THK BEND PLT	S355 JR	2,859	5,719
1.6	6	MD-S1-CF-A1-P03	4.5 THK BEND PLT	S355 JR	0,084	0,501
1.3	8	M10 x 35 Square Neck Bolt	Metric Round Head Short Square Neck Bolt	GALV. MS	0,033	0,266
1.4	8	M12x30x3mm	M12x30x3mm Metric Plain Washer	GALV. MS	0,004	0,032
1.5	8	M10 x Nylon Lock Nut	M10 x Nylon Lock Nut	GALV. MS	0,011	0,087
2	1	MD-S1-GF-A2	GRID FRAME MD SERIES 1	S355 JR	28,218	28,218
2.1	2	MD-S1-GF-A2-P01	4.5 THK BEND PLT	S355 JR	2,027	4,054
2.2	2	MD-S1-GF-A2-P02	4.5 THK BEND PLT	S355 JR	2,622	5,245
2.3	9	MD-S1-GF-A2-P03	5 THK PLT	S355 JR	1,055	9,492
2.4	7	MD-S1-GF-A2-P04	5 THK PLT	S355 JR	1,347	9,428
3	1	LIBER GRID KEY	LIBER GRID Deep Socket Key	Supplier Spec.		



NOTE: DO NOT SCALE FROM DRAWINGS

APPROVAL STAMP

Project Name: MD - Series 1 - CF - GF - CUL MODEL CLUSTER

Part Number: MD-S1-GA-01

Revision: 0

Sheet: 1 / 13

Designed by: Kobus van Wyk

Checked by: Francois van Niekerk

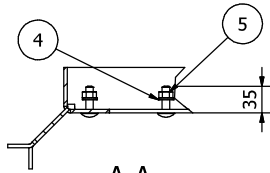
Approved by: Francois van Niekerk

Date: 2025/08/22

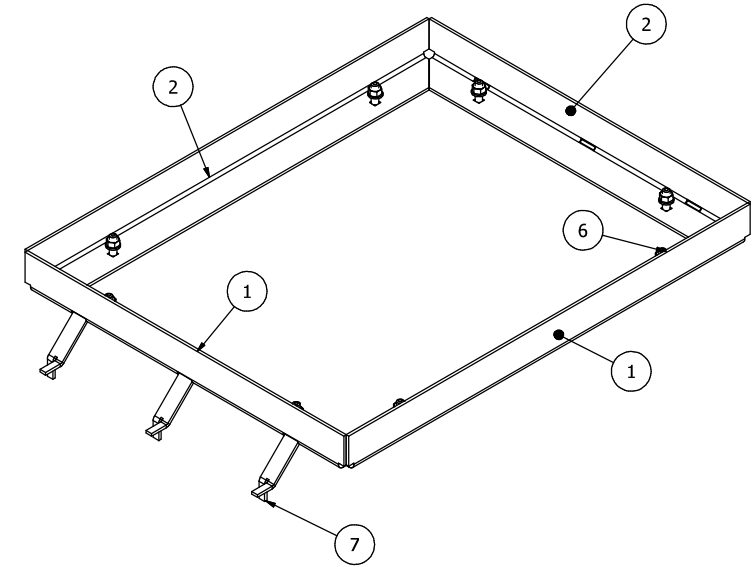
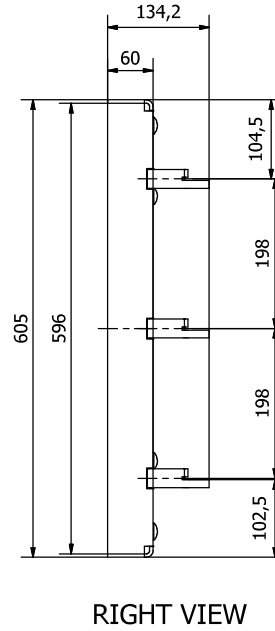
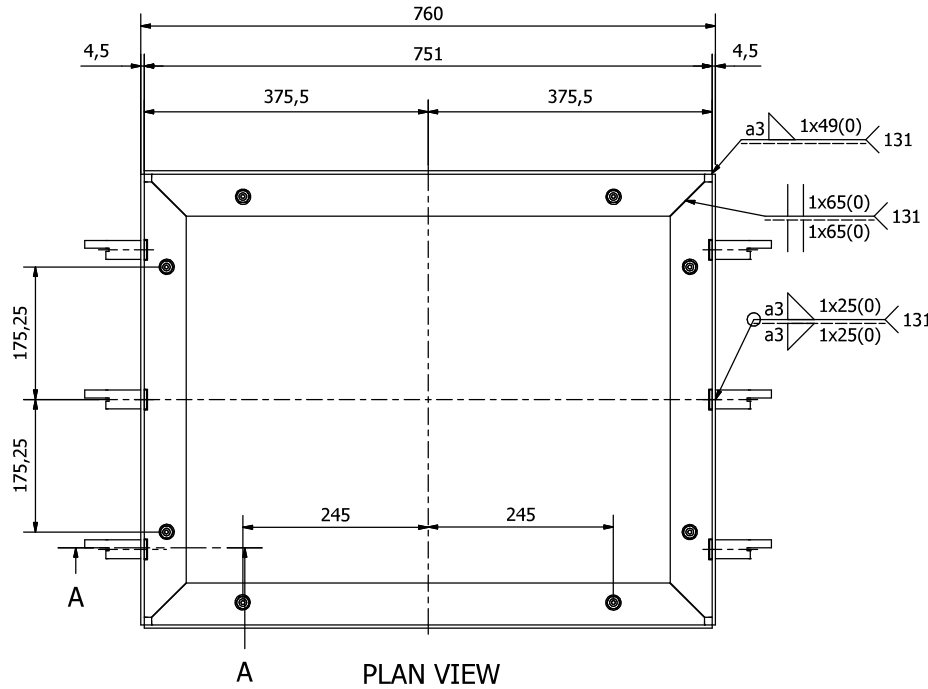
LIBER GRIDS

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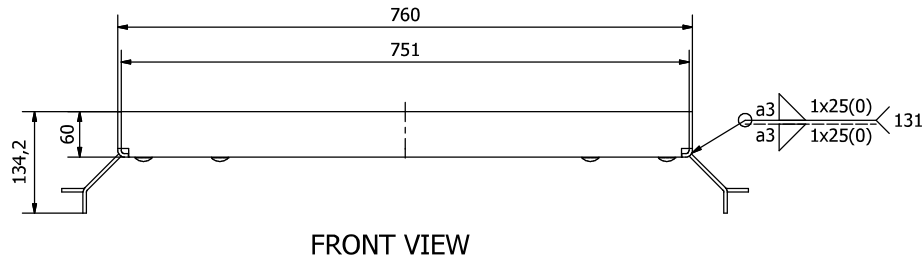
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	MASS Per One Unit in KG	Total Weight KG
1	2	MD-S1-CF-A1-P01	4.5 THK BEND PLT	S355 JR	2,214	4,427
2	2	MD-S1-CF-A1-P02	4.5 THK BEND PLT	S355 JR	2,859	5,719
3	6	MD-S1-CF-A1-P03	4.5 THK BEND PLT	S355 JR	0,084	0,501
4	8	M12x30x3mm	M12x30x3mm Metric Plain Washers	GALV. MS	0,004	0,032
5	8	M10 x Nylon Lock Nut	M10 x Nylon Lock Nut	GALV. MS	0,011	0,087
6	8	M10 x 35 Square Neck Bolt	Metric Round Head Short Square Neck Bolt	GALV. MS	0,033	0,266
7	3	MD-S1-CF-A1-P03	4.5 THK BEND PLT	Steel, Mild	0,084	0,251



A-A



ISO



TOTAL MASS: 11,032 kg

NOTE: DO NOT SCALE FROM DRAWINGS

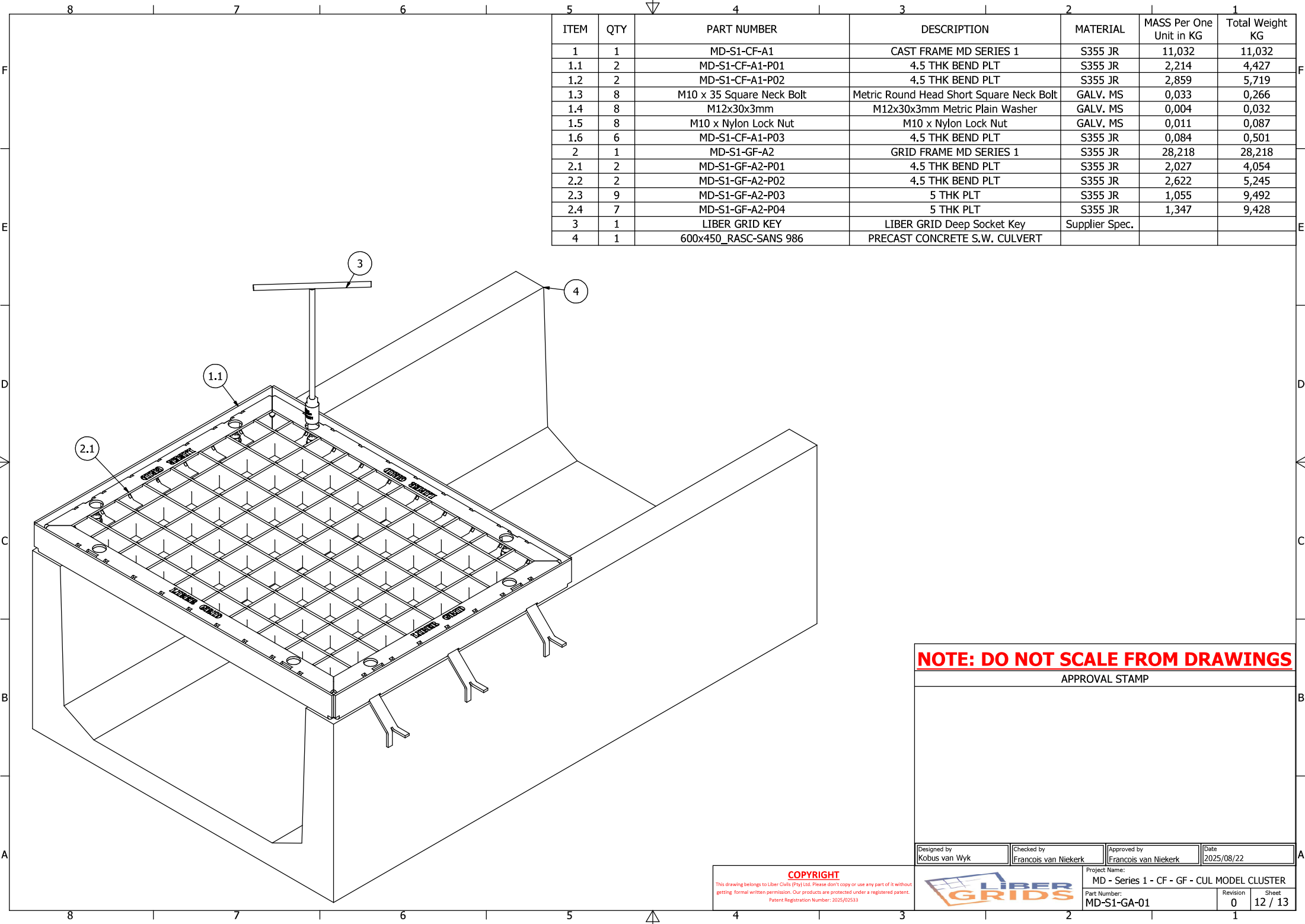
APPROVAL STAMP

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Project Name: MD - Series 1 - CF - GF - CUL MODEL CLUSTER	Revision 0	Sheet 2 / 13
Part Number: MD-S1-CF-A1		



ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	MASS Per One Unit in KG	Total Weight KG
1	1	MD-S1-CF-A1	CAST FRAME MD SERIES 1	S355 JR	11,032	11,032
1.1	2	MD-S1-CF-A1-P01	4.5 THK BEND PLT	S355 JR	2,214	4,427
1.2	2	MD-S1-CF-A1-P02	4.5 THK BEND PLT	S355 JR	2,859	5,719
1.3	8	M10 x 35 Square Neck Bolt	Metric Round Head Short Square Neck Bolt	GALV. MS	0,033	0,266
1.4	8	M12x30x3mm	M12x30x3mm Metric Plain Washer	GALV. MS	0,004	0,032
1.5	8	M10 x Nylon Lock Nut	M10 x Nylon Lock Nut	GALV. MS	0,011	0,087
1.6	6	MD-S1-CF-A1-P03	4.5 THK BEND PLT	S355 JR	0,084	0,501
2	1	MD-S1-GF-A2	GRID FRAME MD SERIES 1	S355 JR	28,218	28,218
2.1	2	MD-S1-GF-A2-P01	4.5 THK BEND PLT	S355 JR	2,027	4,054
2.2	2	MD-S1-GF-A2-P02	4.5 THK BEND PLT	S355 JR	2,622	5,245
2.3	9	MD-S1-GF-A2-P03	5 THK PLT	S355 JR	1,055	9,492
2.4	7	MD-S1-GF-A2-P04	5 THK PLT	S355 JR	1,347	9,428
3	1	LIBER GRID KEY	LIBER GRID Deep Socket Key	Supplier Spec.		
4	1	600x450_RASC-SANS 986	PRECAST CONCRETE S.W. CULVERT			

NOTE: DO NOT SCALE FROM DRAWINGS

APPROVAL STAMP

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Project Name: MD - Series 1 - CF - GF - CUL MODEL CLUSTER	Revision 0	Sheet 12 / 13
Part Number: MD-S1-GA-01		