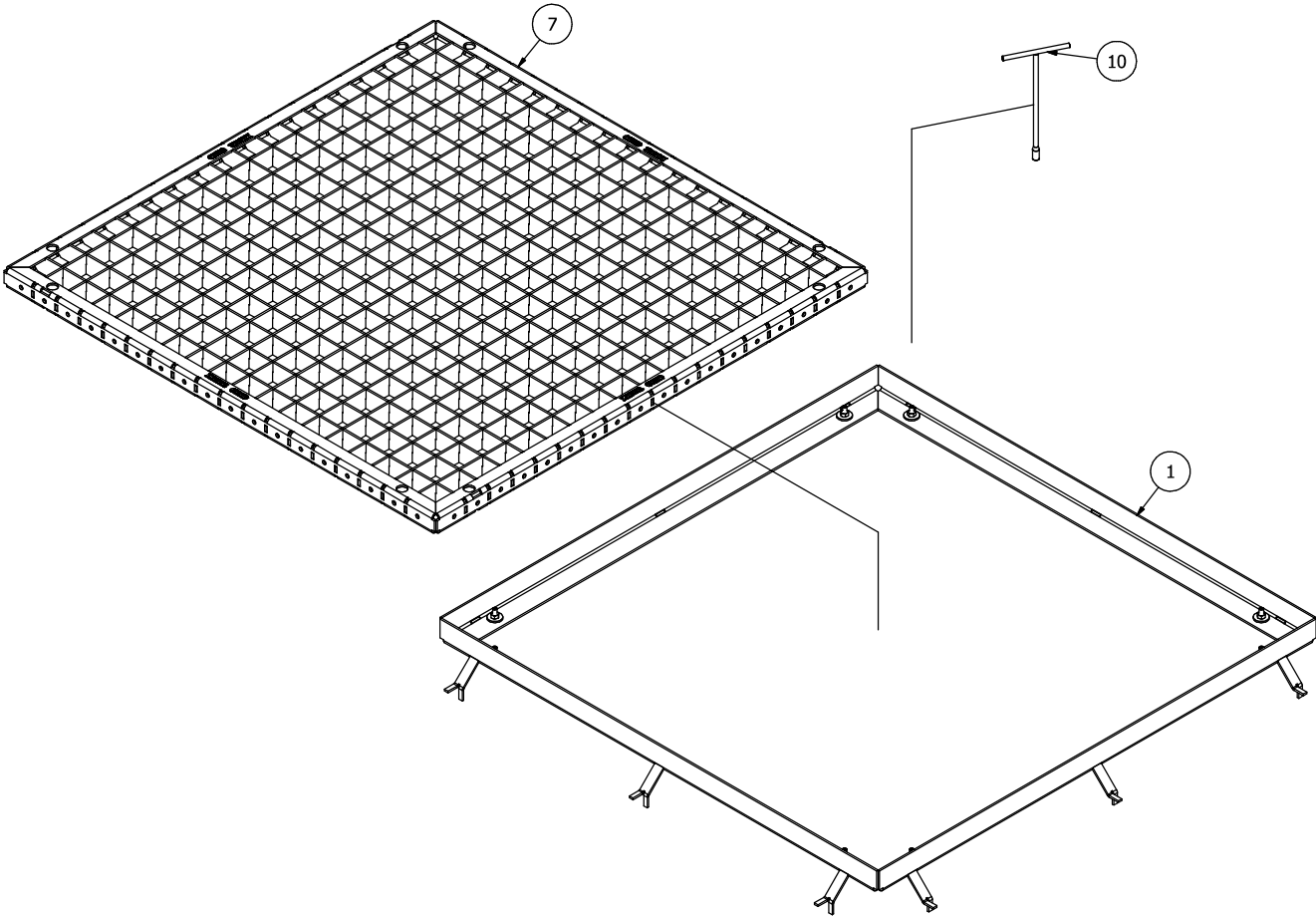


PARTS LIST						
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	MASS Per One Unit in KG	Total Weight KG
1	1	MD-S3-CF-A1	CAST FRAME MD SERIES 3	S355 JR	21,754	21,754
2	4	MD-S3-CF-A1-P02	4.5 THK BEND PLT	S355 JR	5,058	20,231
3	12	MD-S3-CF-A1-P03	4.5 THK BEND PLT	S355 JR	0,084	1,003
4	8	M10, RHSSNBM	M10 Sqaure Nek @ 35mm Long with Nut	GALV. M.S	0,033	0,266
5	8	M12x30x3mm	M12x30x3mm Metric Plain Washers	GALV. M.S	0,021	0,169
6	8	M10 HEX NUT	M10 HEX NUT	GALV. M.S	0,011	0,086
7	1	MD-S3-GF-A2	GRID FRAME MD SERIES 3	S355 JR	100,695	100,695
8	4	MD-S3-GF-A2-P01	4.5 THK BEND PLT	S355 JR	4,788	19,154
9	34	MD-S3-GF-A2-P02	5 THK PLT	S355 JR	2,398	81,541
10	1	LIBER GRID KEY	LIBER GRID Deep Socket Key	Supplier Spec	0	0



TOTAL MASS: 123,129 kg

NOTE: DO NOT SCALE FROM DRAWINGS

APPROVAL STAMP

Designed by Kobus van Wyk	Checked by Francois van Niekerk	Approved by Francois van Niekerk	Date 2025/08/21
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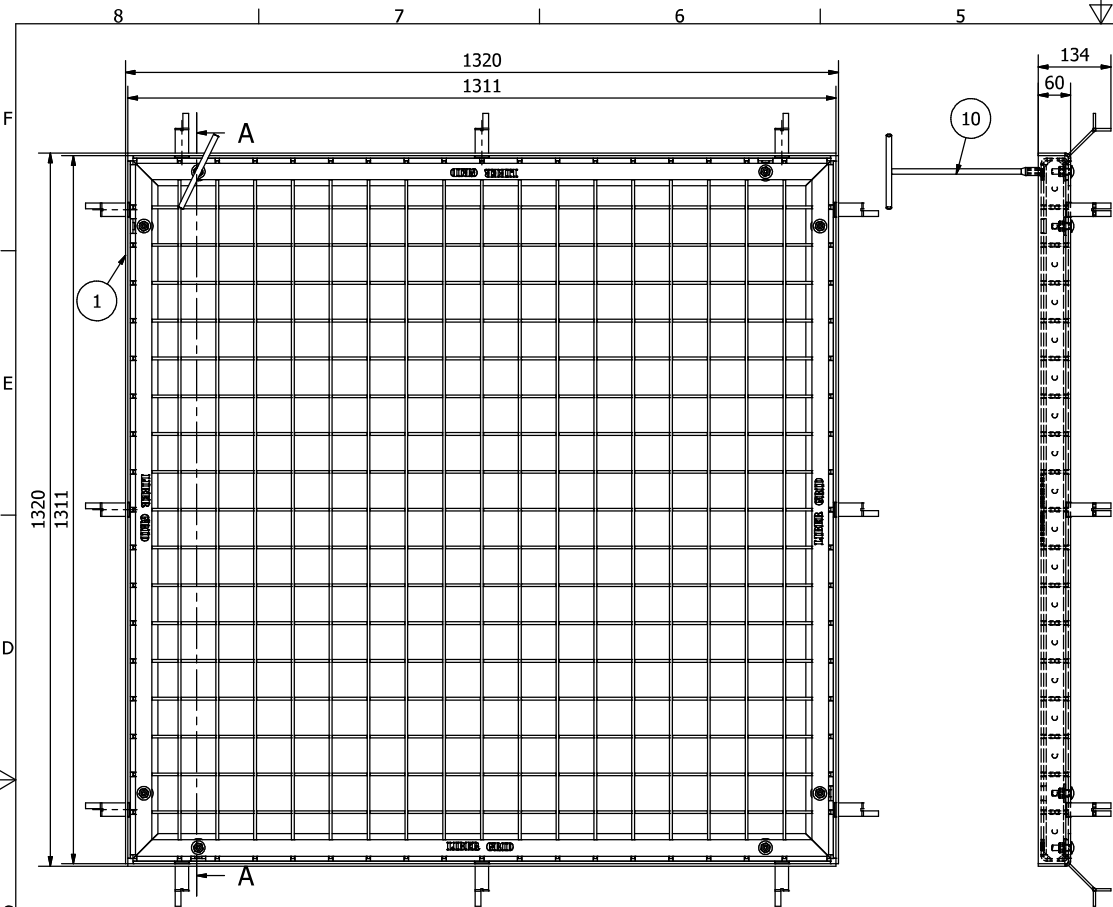
Series 3 MD Cast & Grid Frame Instalation Presentation View Only

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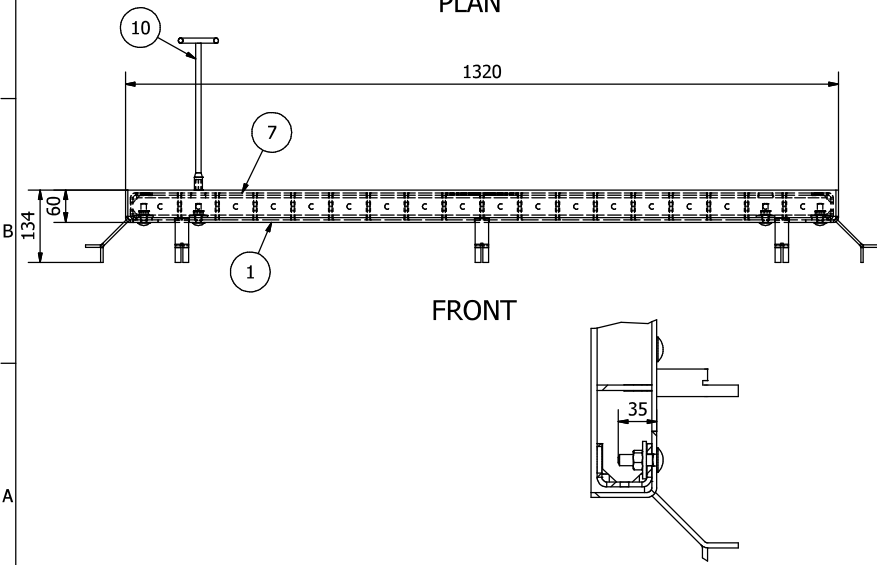
MD-Series 3-CF-GF-MH MODEL CLUSTER

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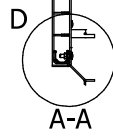


PLAN

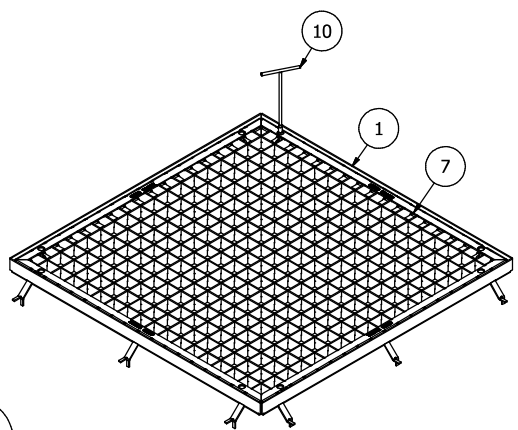
RIGHT



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A-A



PARTS LIST						
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	MASS Per One Unit in KG	Total Weight KG
1	1	MD-S3-CF-A1	CAST FRAME MD SERIES 3	S355 JR	21,754	21,754
2	4	MD-S3-CF-A1-P02	4.5 THK BEND PLT	S355 JR	5,058	20,231
3	12	MD-S3-CF-A1-P03	4.5 THK BEND PLT	S355 JR	0,084	1,003
4	8	M10, RHSSNB	M10 Square Neck @ 35mm Long with Nut	GALV. M.S	0,033	0,266
5	8	M12x30x3mm	M12x30x3mm Metric Plain Washers	GALV. M.S	0,021	0,169
6	8	M10 HEX NUT	M10 HEX NUT	GALV. M.S	0,011	0,086
7	1	MD-S3-GF-A2	GRID FRAME MD SERIES 3	S355 JR	100,695	100,695
8	4	MD-S3-GF-A2-P01	4.5 THK BEND PLT	S355 JR	4,788	19,154
9	34	MD-S3-GF-A2-P02	5 THK PLT	S355 JR	2,398	81,541
10	1	LIBER GRID KEY	LIBER GRID Deep Socket Key	Supplier Spec	0	0

NOTE: DO NOT SCALE FROM DRAWINGS

APPROVAL STAMP

Designed by
Kobus van Wyk

Checked by
Francois van Niekerk

Approved by
Francois van Niekerk

Date
2025/08/21

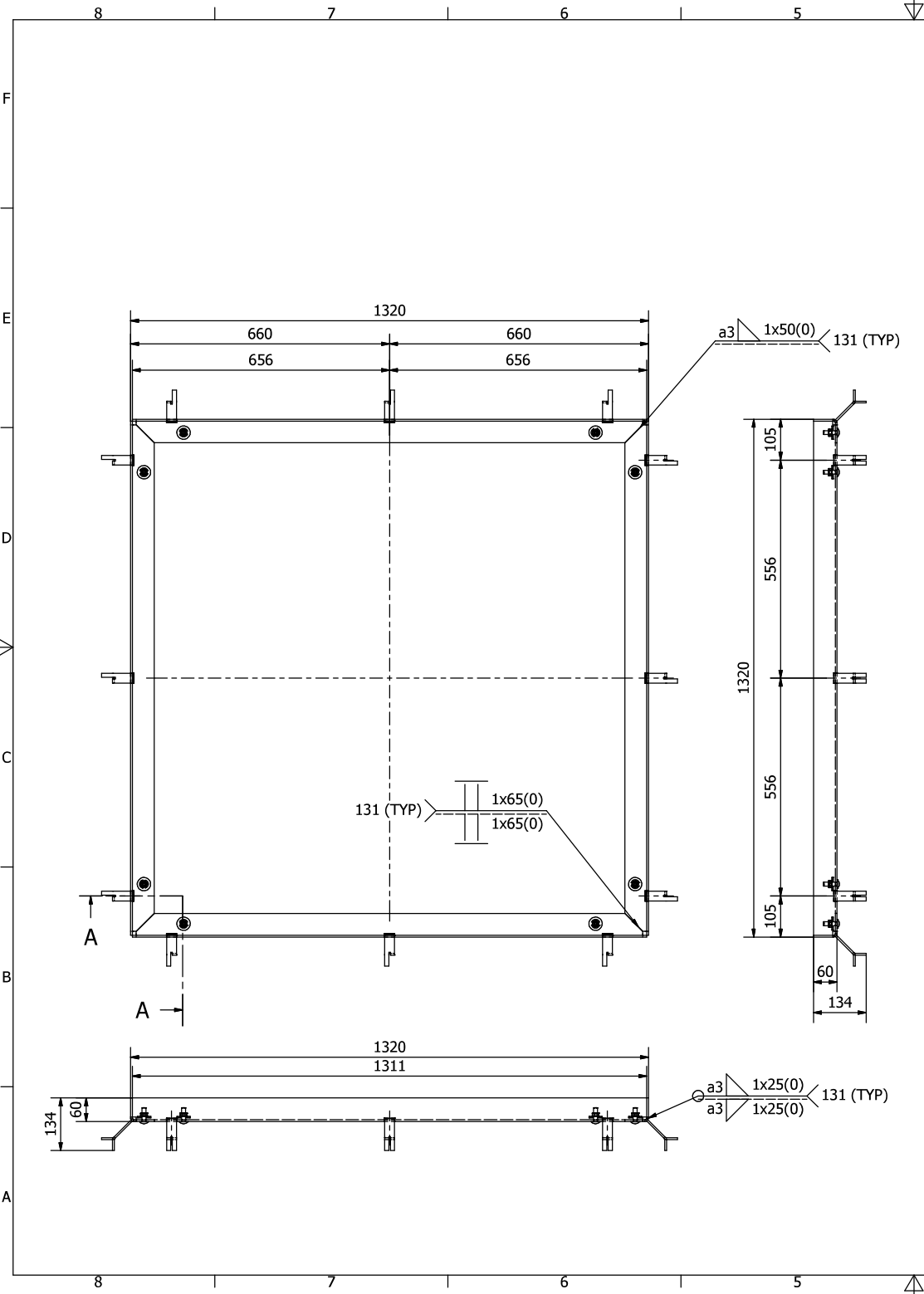
MD-Series 3-CF-GF-MH MODEL CLUSTER

MD-S3-GA-01

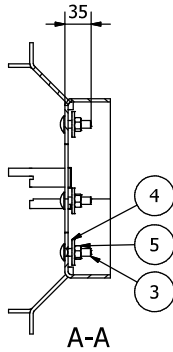
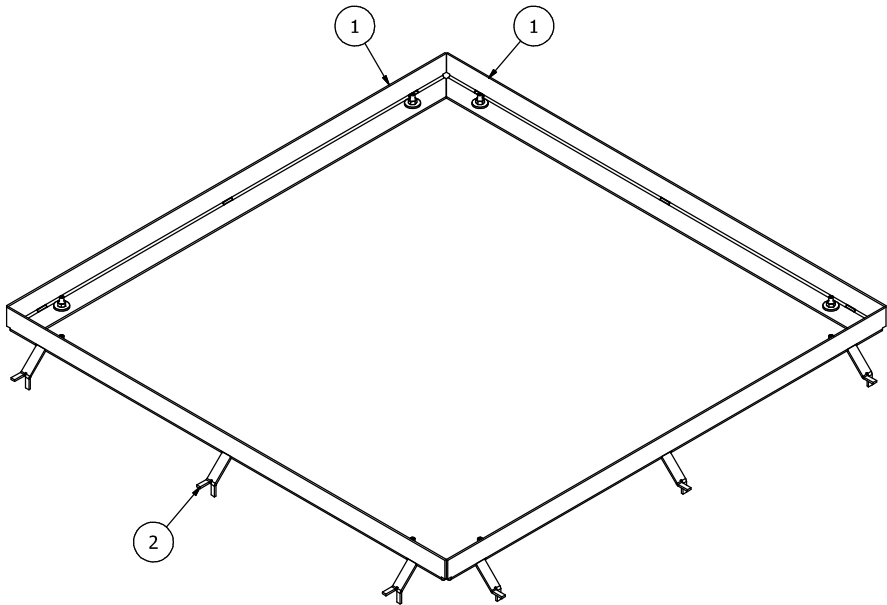
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PARTS LIST						
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	MASS Per One Unit in KG	Total Weight KG
1	4	MD-S3-CF-A1-P02	4.5 THK BEND PLT	S355 JR	5,058	20,231
2	12	MD-S3-CF-A1-P03	4.5 THK BEND PLT	S355 JR	0,084	1,003
3	8	ANSI B18.5.2.1M - M10x1,5 x 35, RHSSNB	M10 Square Nuts @ 35mm Long	GALV. MS	0,033	0,266
4	8	M12x30x3mm	M12x30x3mm Metric Plain Washers	GALV. MS	0,021	0,169
5	8	M10 HEX NUT	M10 HEX NUT	GALV. MS	0,011	0,086



NOTE: DO NOT SCALE FROM DRAWINGS

APPROVAL STAMP

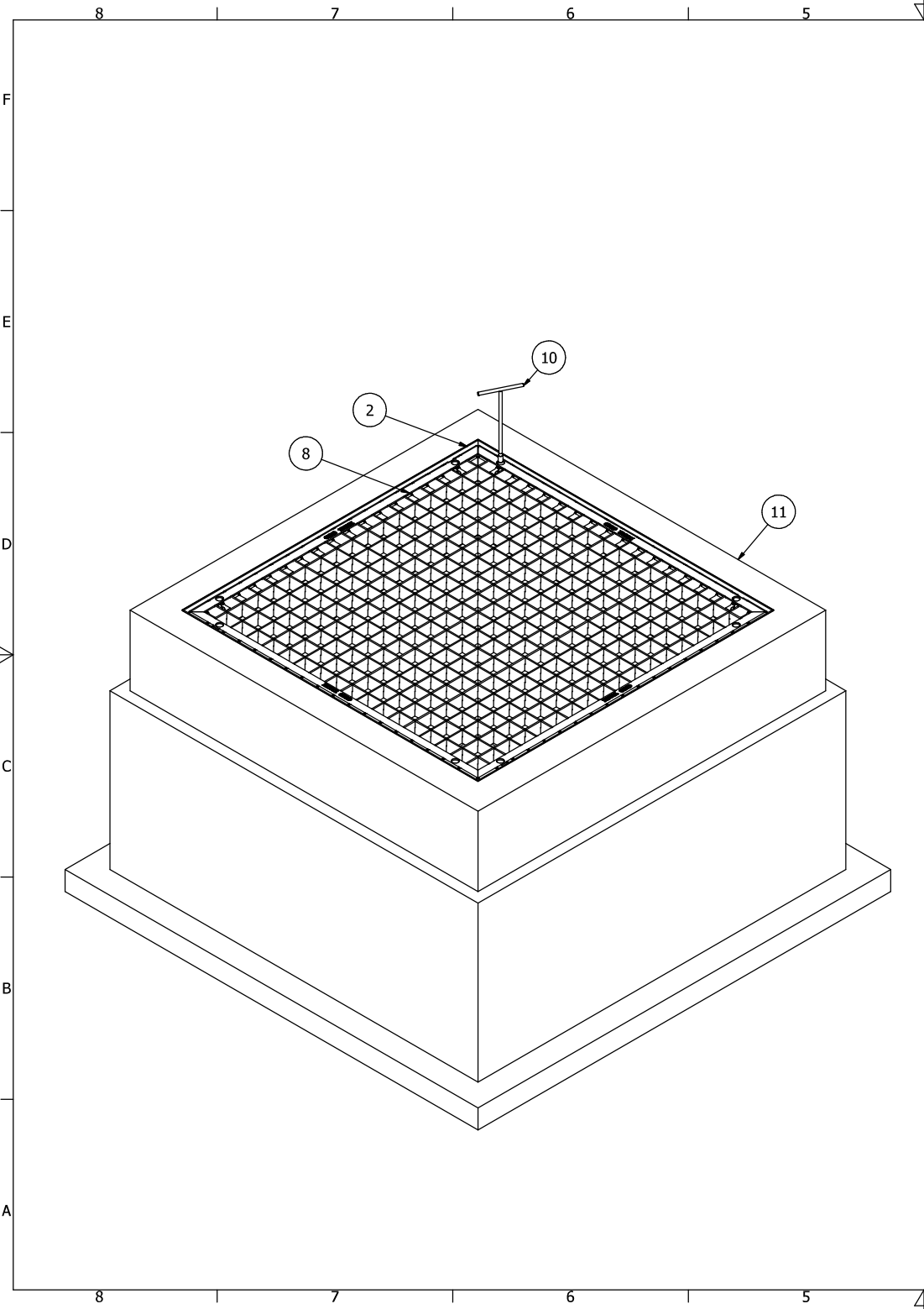
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MD-Series 3-CF-GF-MH MODEL CLUSTER

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PARTS LIST						
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	MASS Per One Unit in KG	Total Weight KG
1	1	MD-S3-CF-A1	CAST FRAME MD SERIES 3	S355 JR	21,754	21,754
2	4	MD-S3-CF-A1-P02	4.5 THK BEND PLT	S355 JR	5,058	20,231
3	12	MD-S3-CF-A1-P03	4.5 THK BEND PLT	S355 JR	0,084	1,003
4	8	M10, RHSSNB	M10 Sqaure Nek @ 35mm Long with Nut	GALV. M.S	0,033	0,266
5	8	M12x30x3mm	M12x30x3mm Metric Plain Washers	GALV. M.S	0,021	0,169
6	8	M10 HEX NUT	M10 HEX NUT	GALV. M.S	0,011	0,086
7	1	MD-S3-GF-A2	GRID FRAME MD SERIES 3	S355 JR	100,695	100,695
8	4	MD-S3-GF-A2-P01	4.5 THK BEND PLT	S355 JR	4,788	19,154
9	34	MD-S3-GF-A2-P02	5 THK PLT	S355 JR	2,398	81,541
10	1	LIBER GRID KEY	LIBER GRID Deep Socket Key	Supplier Spec	0	0
11	1	Series 3 MD -Manhole Design	MANHOLE 1200 x 1200	n/a	0	0

NOTE: DO NOT SCALE FROM DRAWINGS

APPROVAL STAMP

Designed by Kobus van Wyk	Checked by Francois van Niekerk	Approved by Francois van Niekerk	Date 2025/08/21
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MD-Series 3-CF-GF-MH MODEL CLUSTER

MD-S3-GA-01

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