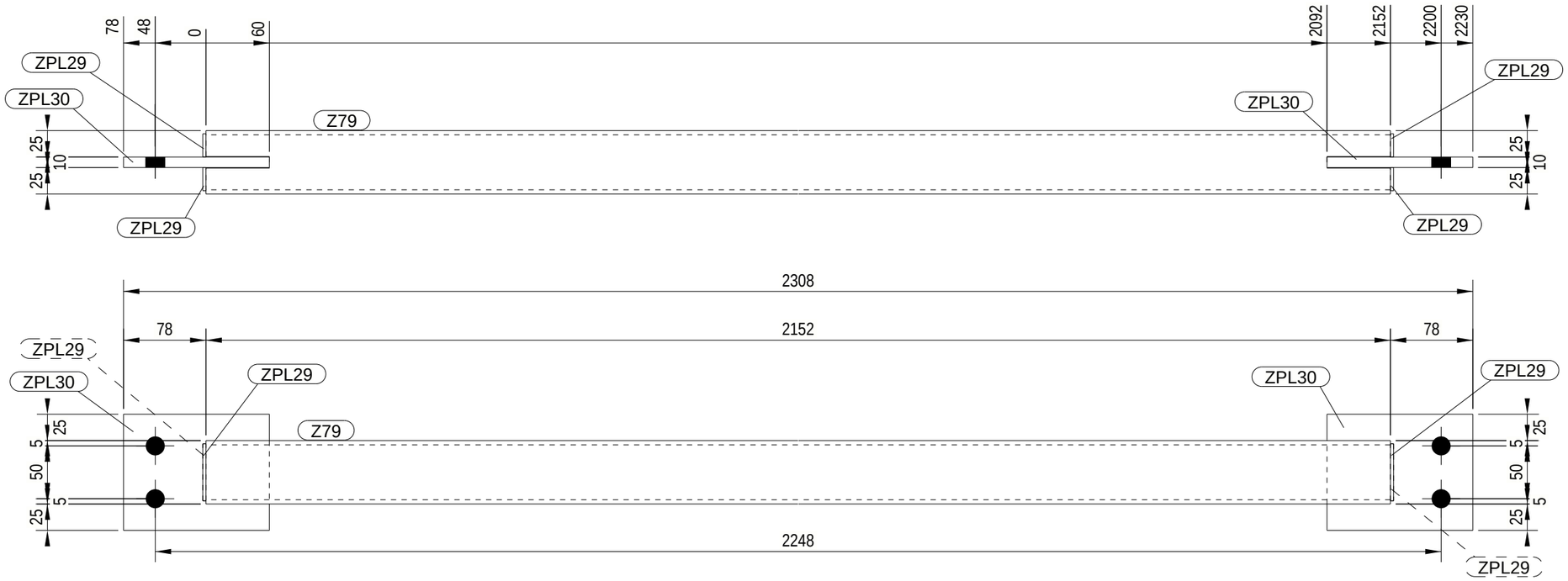

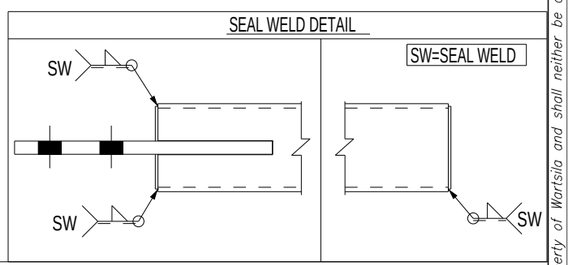

ASSEMBLYCODE	QTY
ZBS1 @ 1-2/A	1
ZBS1 @ 1.2-2/A2	1
ZBS1 @ 1.2-2/A3	1
ZBS1 @ 5-6/A	1
ZBS1 @ 5.1-6/A2	1
ZBS1 @ 5.1-6/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZBS1 — 6 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z79	CFRHS60*60*4	S355J2H	1	2152	0.5	14.4
ZPL29	PL3*22	S355J0	4	54	0.0	0.1
ZPL30	PL10*110	S355J0	2	138	0.1	2.4
				Total	0.6 m²	16.9 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	BRACINGSECONDBEAM	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZBS1	REV. -	A3

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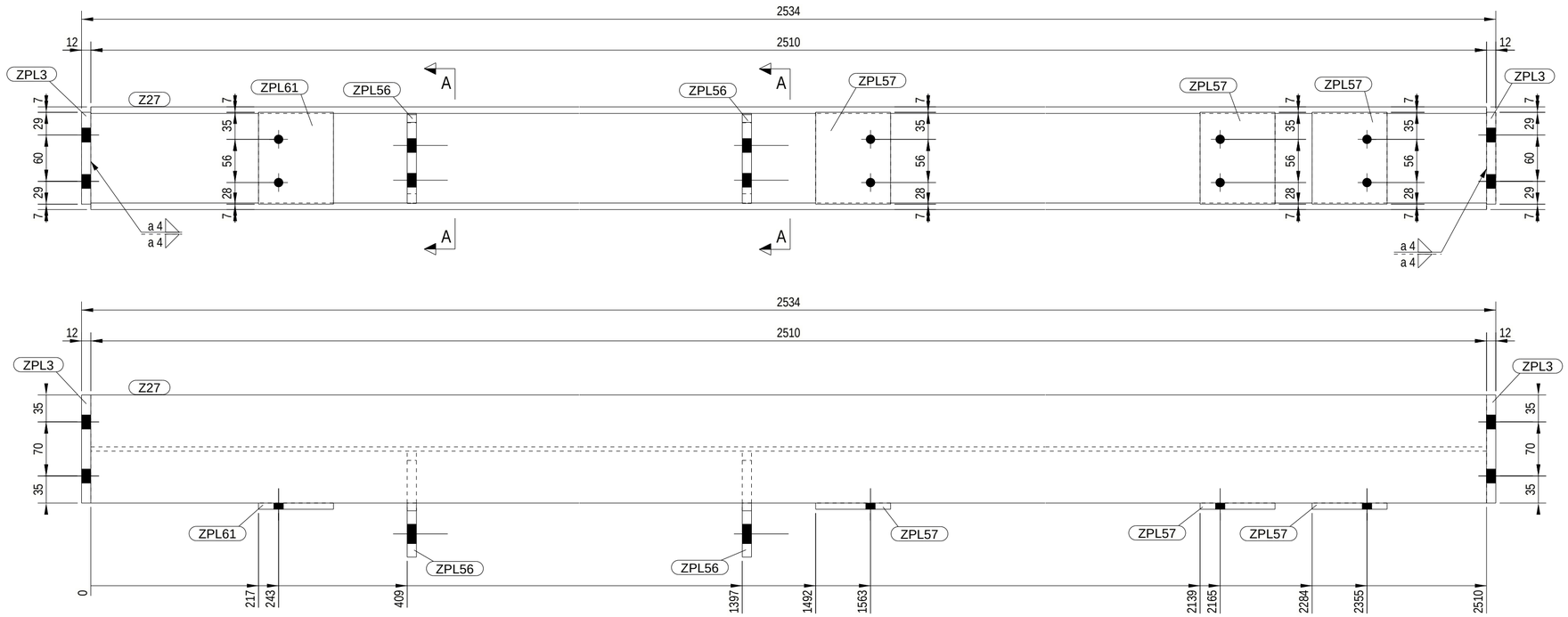

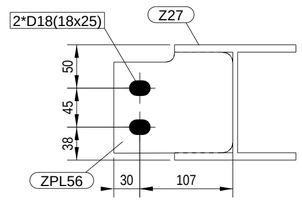

A - A
1:5

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE1 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z27	HEA140	S355J0	1	2510	2.0	61.9
ZPL3	PL12*140	S355J0	2	119	0.1	3.1
ZPL56	PL12*116	S355J0	2	138	0.1	2.8
ZPL57	PL8*97	S355J0	3	119	0.1	2.2
ZPL61	PL8*97	S355J0	1	119	0.0	0.7
				Total	2.3 m^2	70.8 kg

ASSEMBLYCODE	QTY
ZOE1 @ 7-8/A3	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE1	REV. -	A2

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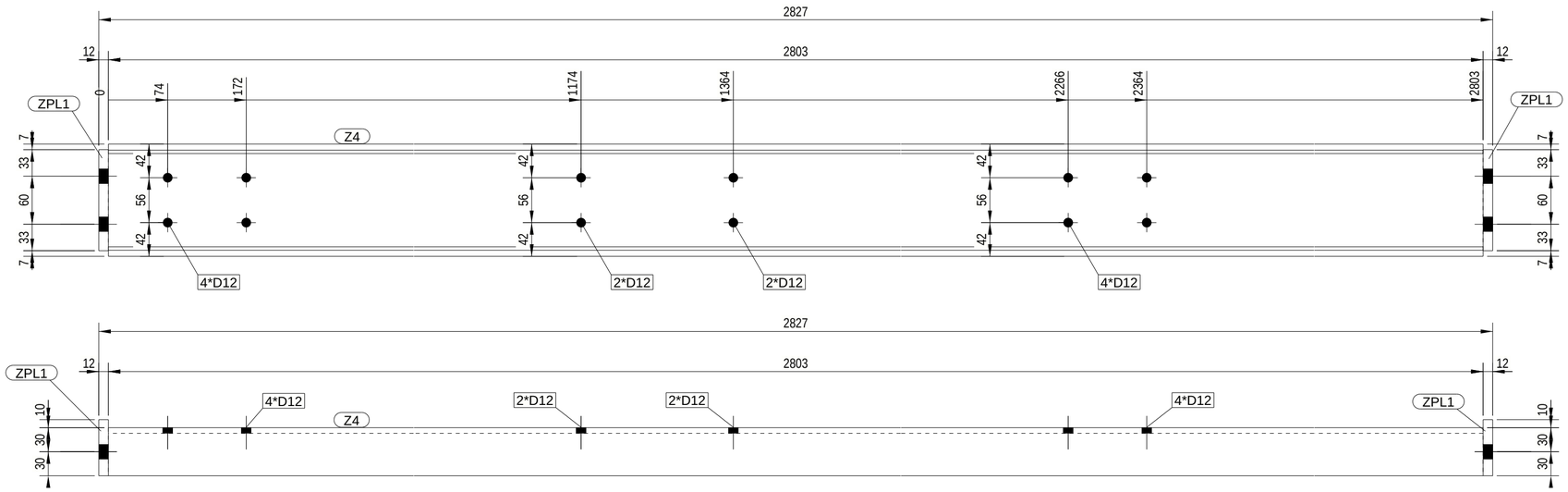

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE4 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z4	UNP140	S355J0	1	2803	1.4	44.9
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.4 m^2	46.5 kg

ASSEMBLYCODE	QTY
ZOE4 @ 2-2.1/A3	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE4	REV. -	A2

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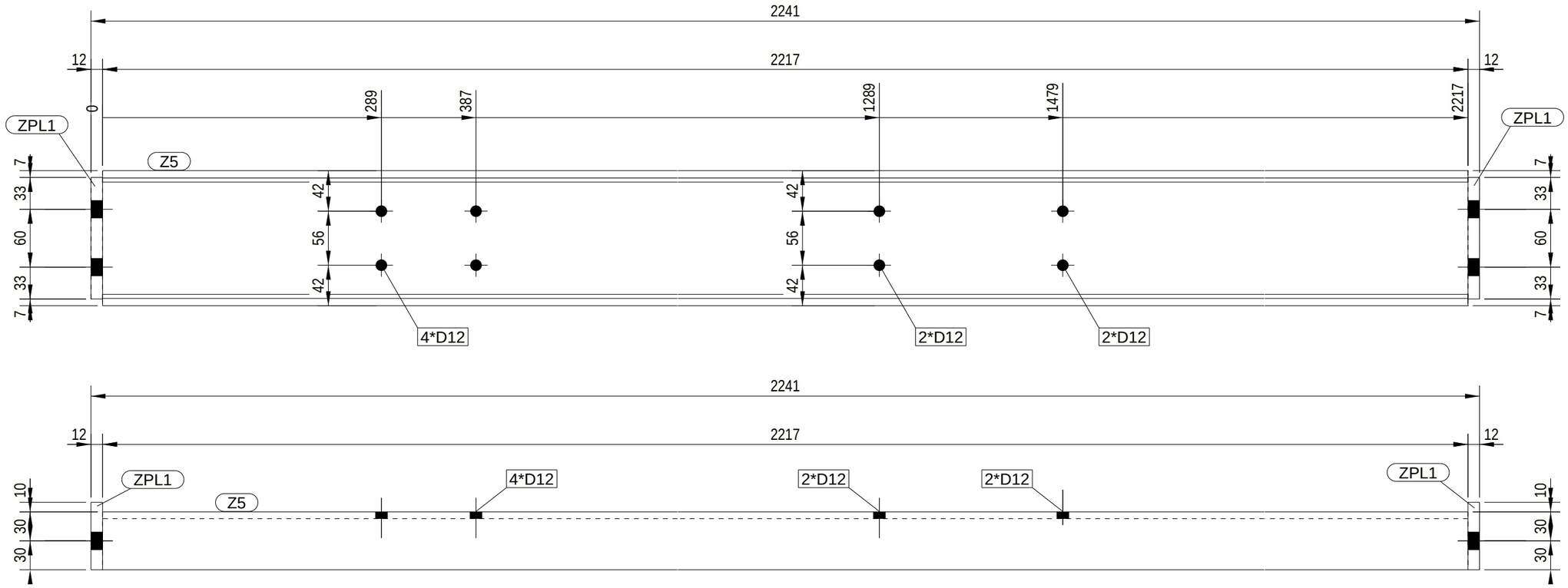

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE5 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z5	UNP140	S355J0	1	2217	1.1	35.5
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.1 m²	37.2 kg

ASSEMBLYCODE	QTY
ZOE5 @ 2.1-3/A3	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE5	REV. -	A3

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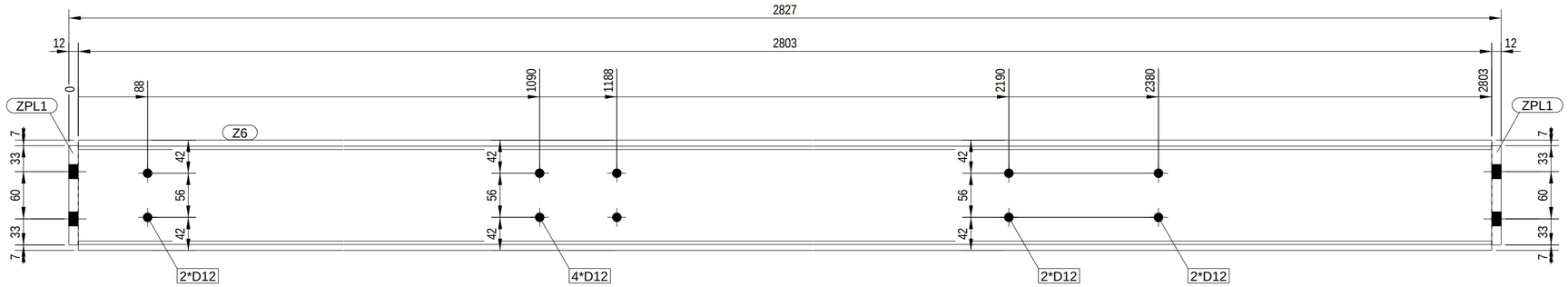

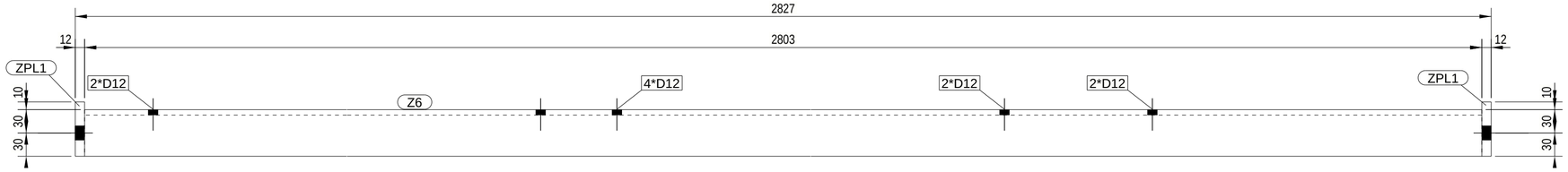

ASSEMBLYCODE	QTY
ZOE6 @ 3-3.1/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE6 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z6	UNP140	S355J0	1	2803	1.4	44.9
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.4 m^2	46.6 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE6	REV. -	A2

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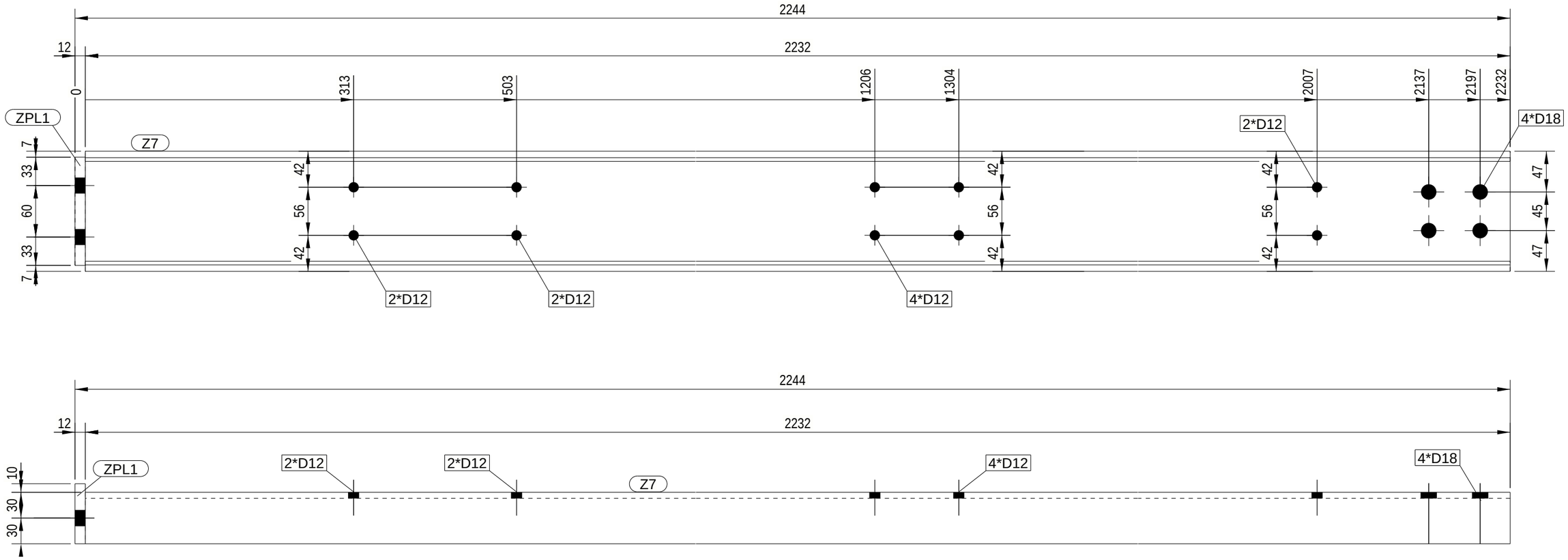

ASSEMBLYCODE	QTY
ZOE7 @ 3.1-4/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE7 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z7	UNP140	S355J0	1	2232	1.1	35.7
ZPL1	PL12*70	S355J0	1	126	0.0	0.8
				Total	1.1 m²	36.6 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE7	REV. -	A3

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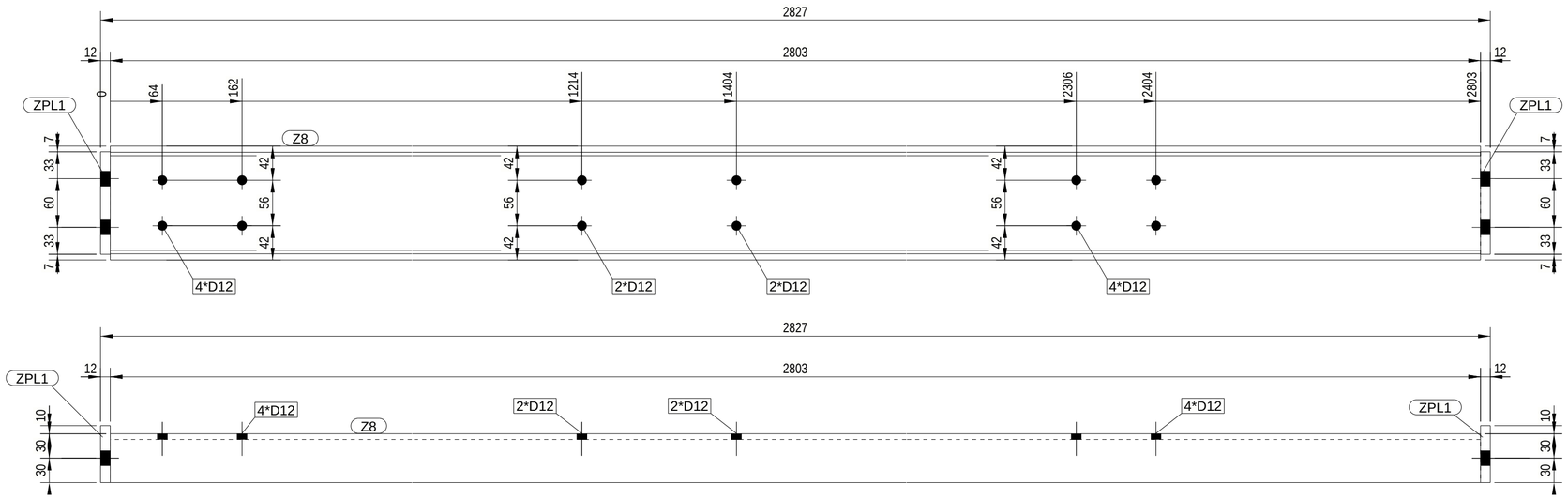

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE8 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z8	UNP140	S355J0	1	2803	1.4	44.9
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.4 m^2	46.5 kg

ASSEMBLYCODE	QTY
ZOE8 @ 4-4.1/A3	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE8	REV. -	A2

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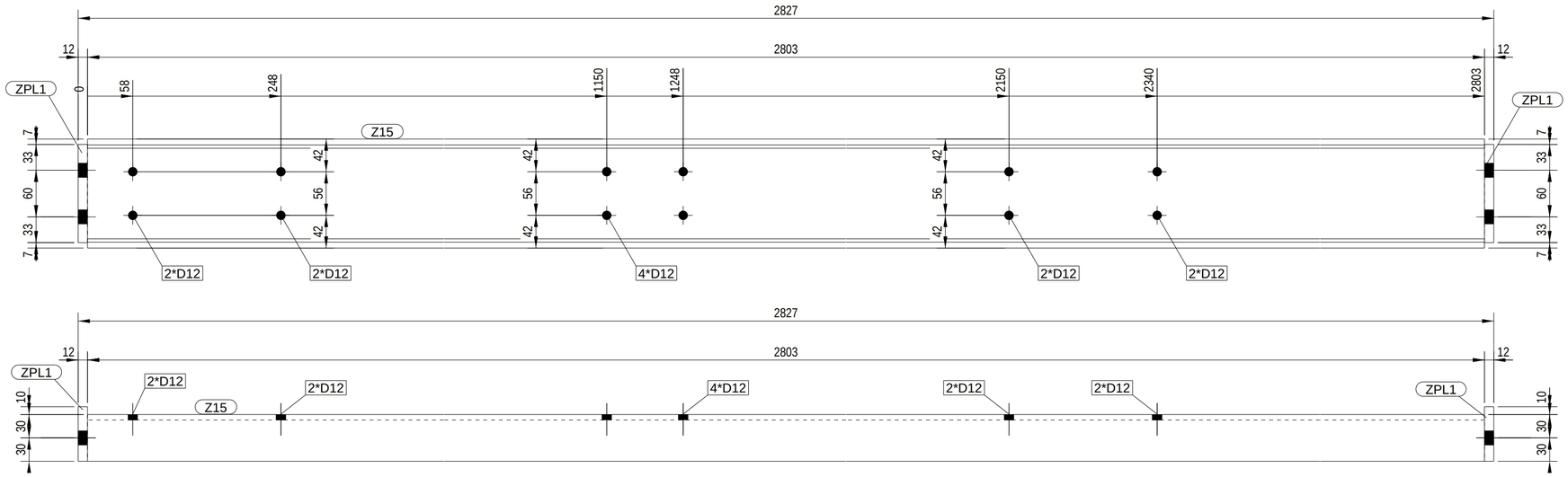

ASSEMBLYCODE	QTY
ZOE25 @ 1-1.2/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE25 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z15	UNP140	S355J0	1	2803	1.4	44.9
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.4 m^2	46.5 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE25	REV. -	A2

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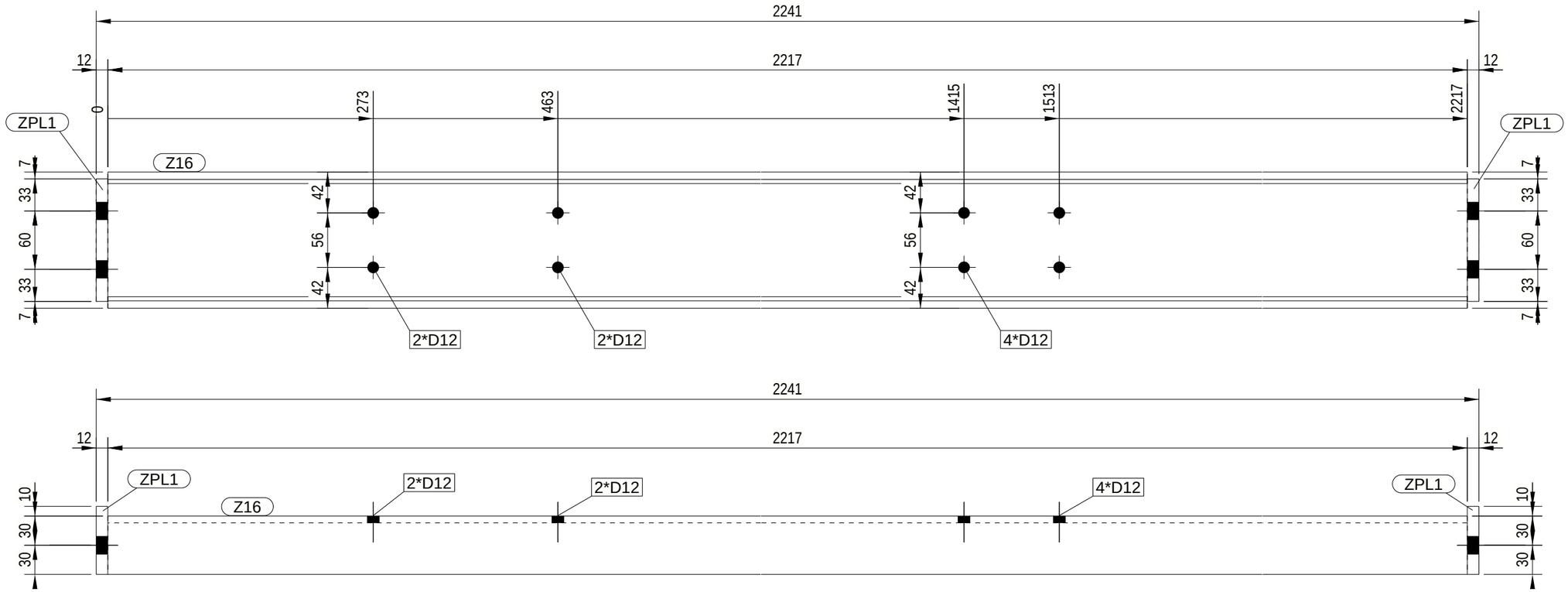

ASSEMBLYCODE	QTY
ZOE26 @ 1.2-2/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE26 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z16	UNP140	S355J0	1	2217	1.1	35.5
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.1 m²	37.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE26	REV. -	A3

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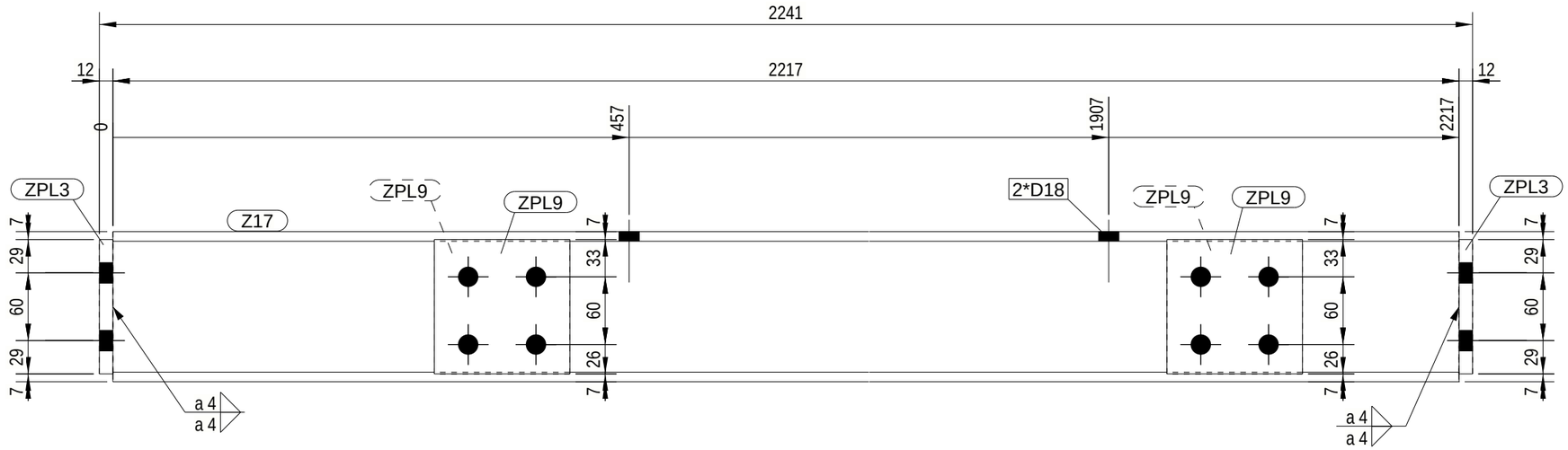

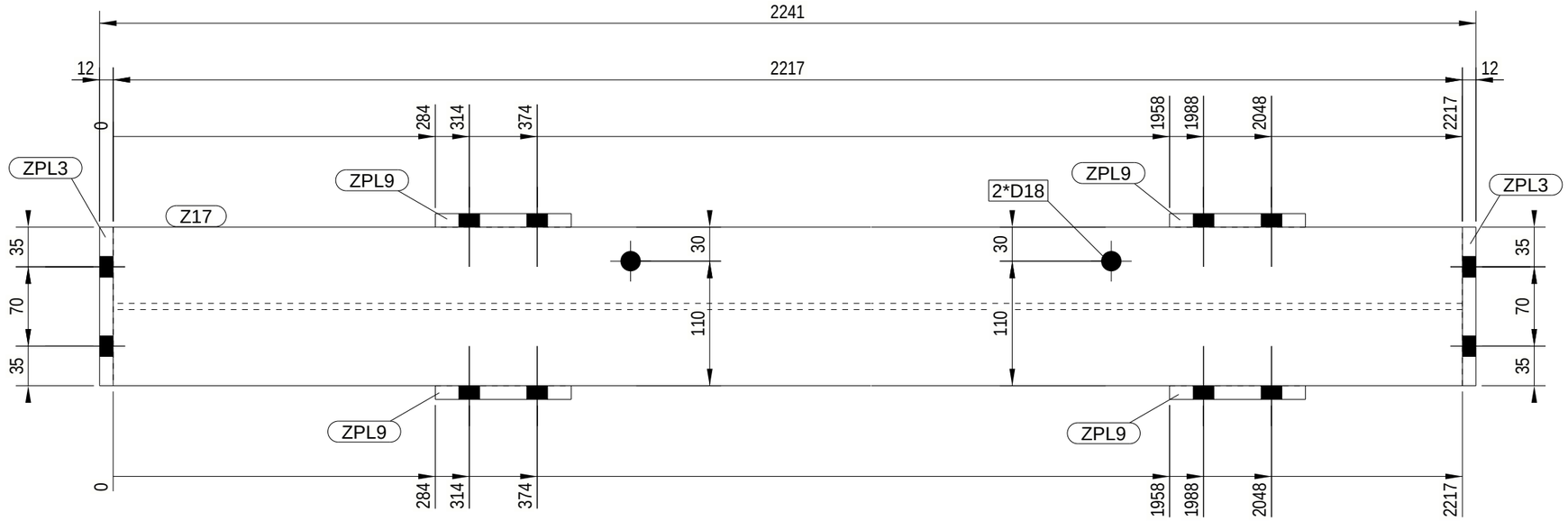

ASSEMBLYCODE	QTY
ZOE27 @ 1.2-2/A2-A1	1
ZOE27 @ 2.1-3/A2-A1	1
ZOE27 @ 4.1-5/A2-A1	1
ZOE27 @ 5.1-6/A2-A1	1
ZOE27 @ 6.1-7/A2-A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE27 — 5 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z17	HEA140	S355J0	1	2217	1.8	54.6
ZPL3	PL12*140	S355J0	2	119	0.1	3.1
ZPL9	PL12*120	S355J0	4	119	0.1	5.4
				Total	2.0 m^2	63.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE27	REV. -	A3

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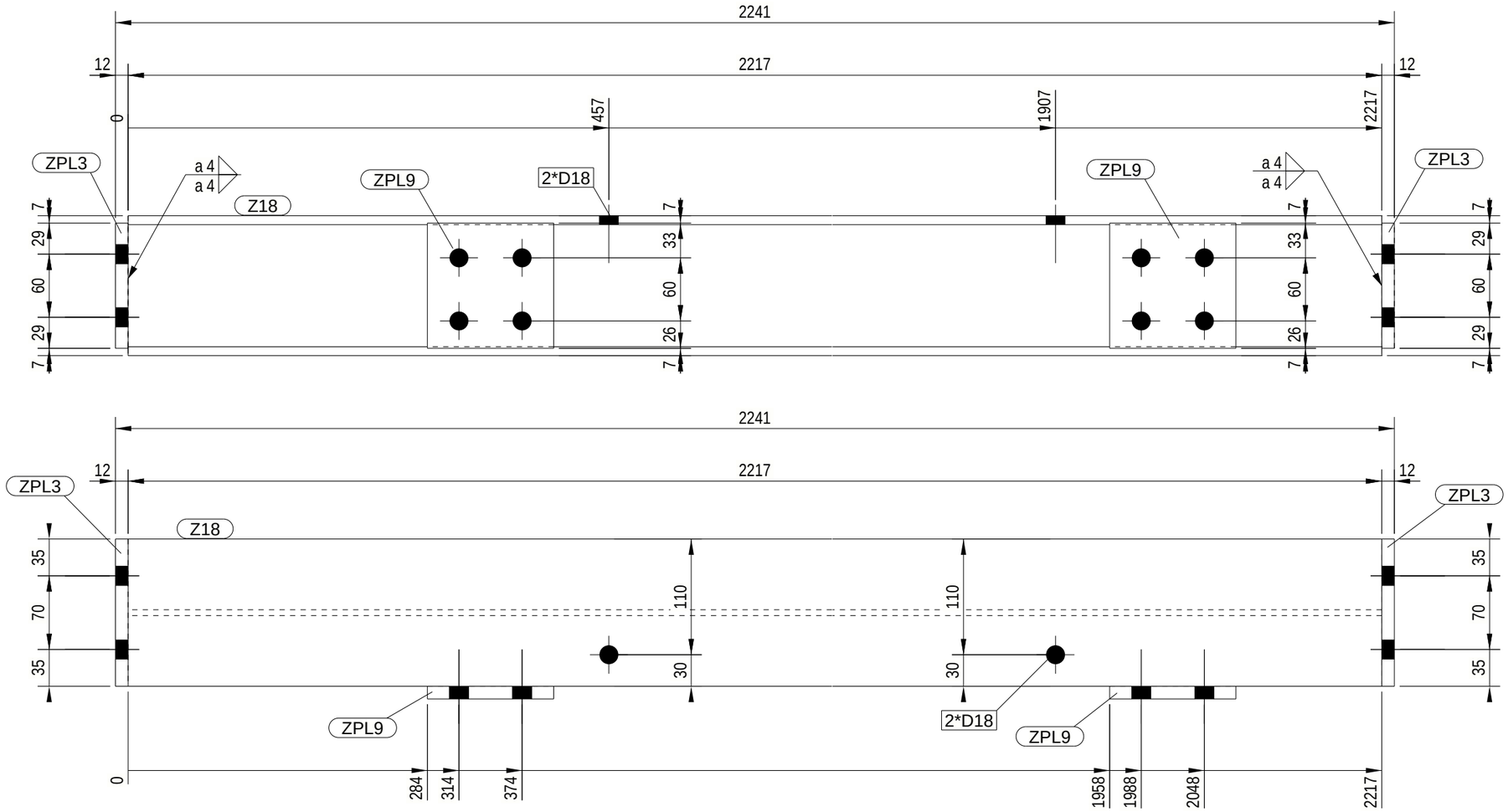

ASSEMBLYCODE	QTY
ZOE28 @ 1-2/A	1
ZOE28 @ 2-3/A	1
ZOE28 @ 4-5/A	1
ZOE28 @ 5-6/A	1
ZOE28 @ 6.1-7/A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE28 — 5 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z18	HEA140	S355J0	1	2217	1.8	54.6
ZPL3	PL12*140	S355J0	2	119	0.1	3.1
ZPL9	PL12*120	S355J0	2	119	0.1	2.7
				Total	1.9 m^2	60.5 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE28	REV. -	A3

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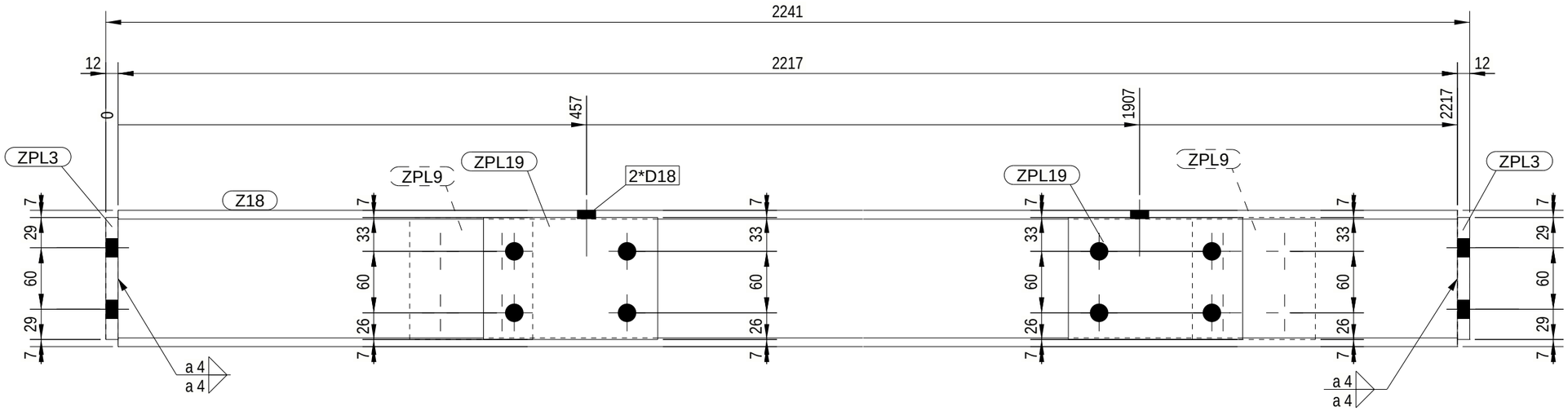

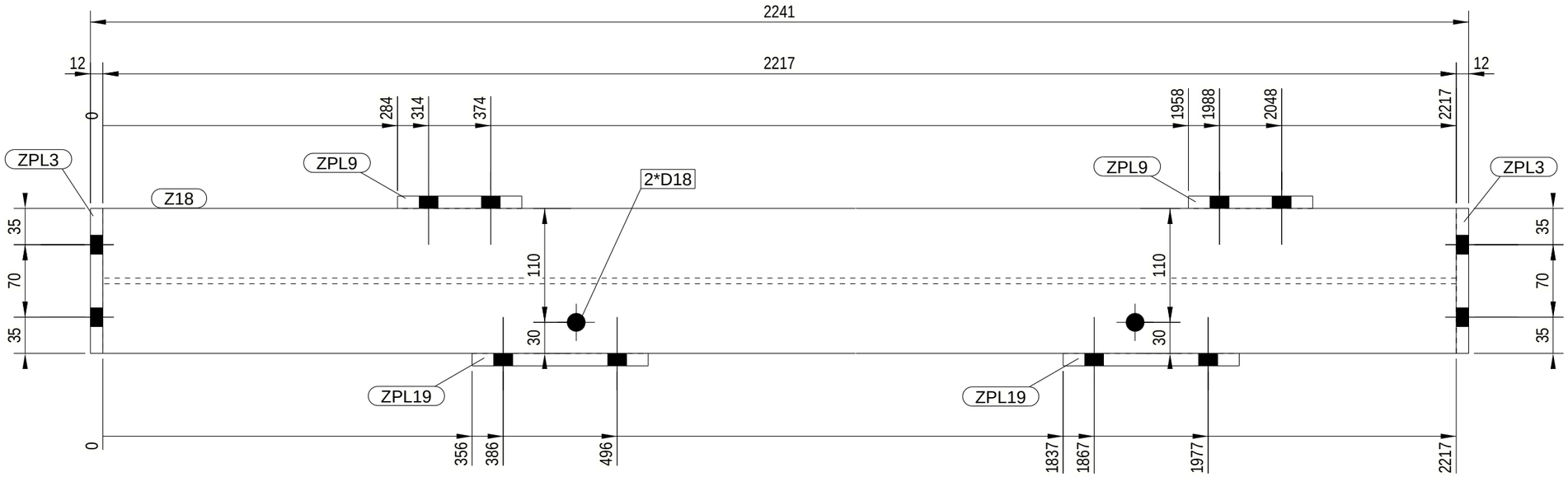

ASSEMBLYCODE	QTY
ZOE29 @ 1.2-2/A2-A1	1
ZOE29 @ 2.1-3/A2-A1	1
ZOE29 @ 4.1-5/A2-A1	1
ZOE29 @ 5.1-6/A2-A1	1
ZOE29 @ 6.1-7/A2-A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY ZOE29 5 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z18	HEA140	S355J0	1	2217	1.8	54.6
ZPL3	PL12*140	S355J0	2	119	0.1	3.1
ZPL9	PL12*120	S355J0	2	119	0.1	2.7
ZPL19	PL12*170	S355J0	2	119	0.1	3.8
				Total	2.0 m²	64.3 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE29	REV. -	A3

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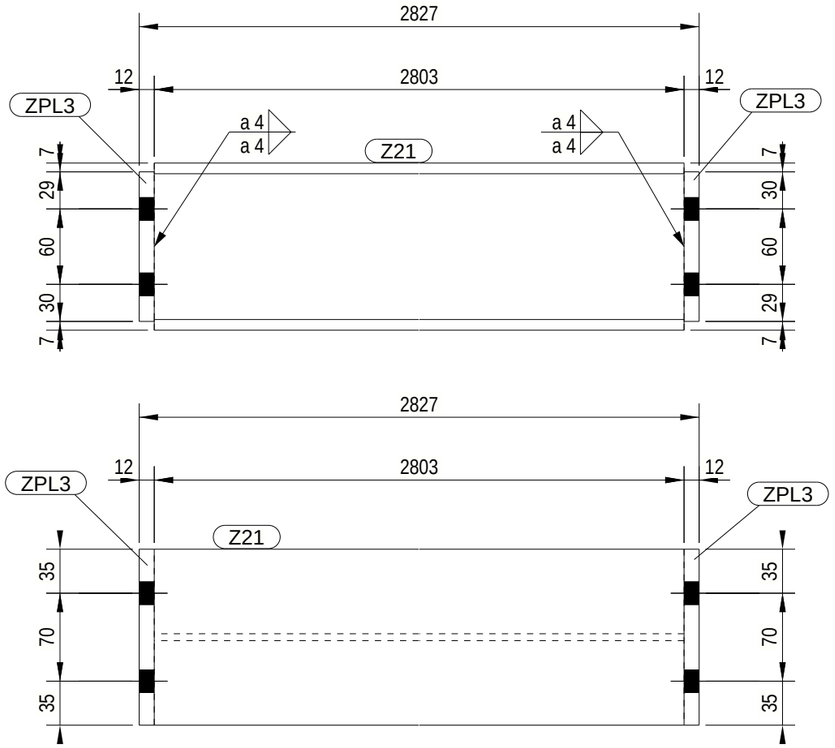

ASSEMBLYCODE	QTY
ZOE30 @ 1-1.2/A2	1
ZOE30 @ 1-1.2/A3-A2	1
ZOE30 @ 2-2.1/A2	1
ZOE30 @ 2-2.1/A3-A2	1
ZOE30 @ 3-3.1/A2	1
ZOE30 @ 3-3.1/A3-A2	1
ZOE30 @ 4-4.1/A2	1
ZOE30 @ 4-4.1/A3-A2	1
ZOE30 @ 5-5.1/A2	1
ZOE30 @ 5-5.1/A3-A2	1
ZOE30 @ 6-6.1/A2	1
ZOE30 @ 6-6.1/A3-A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE30 — 12 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z21	HEA140	S355J0	1	2803	2.2	69.1
ZPL3	PL12*140	S355J0	2	119	0.1	3.1
				Total	2.3 m^2	72.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE30	REV. -	A3

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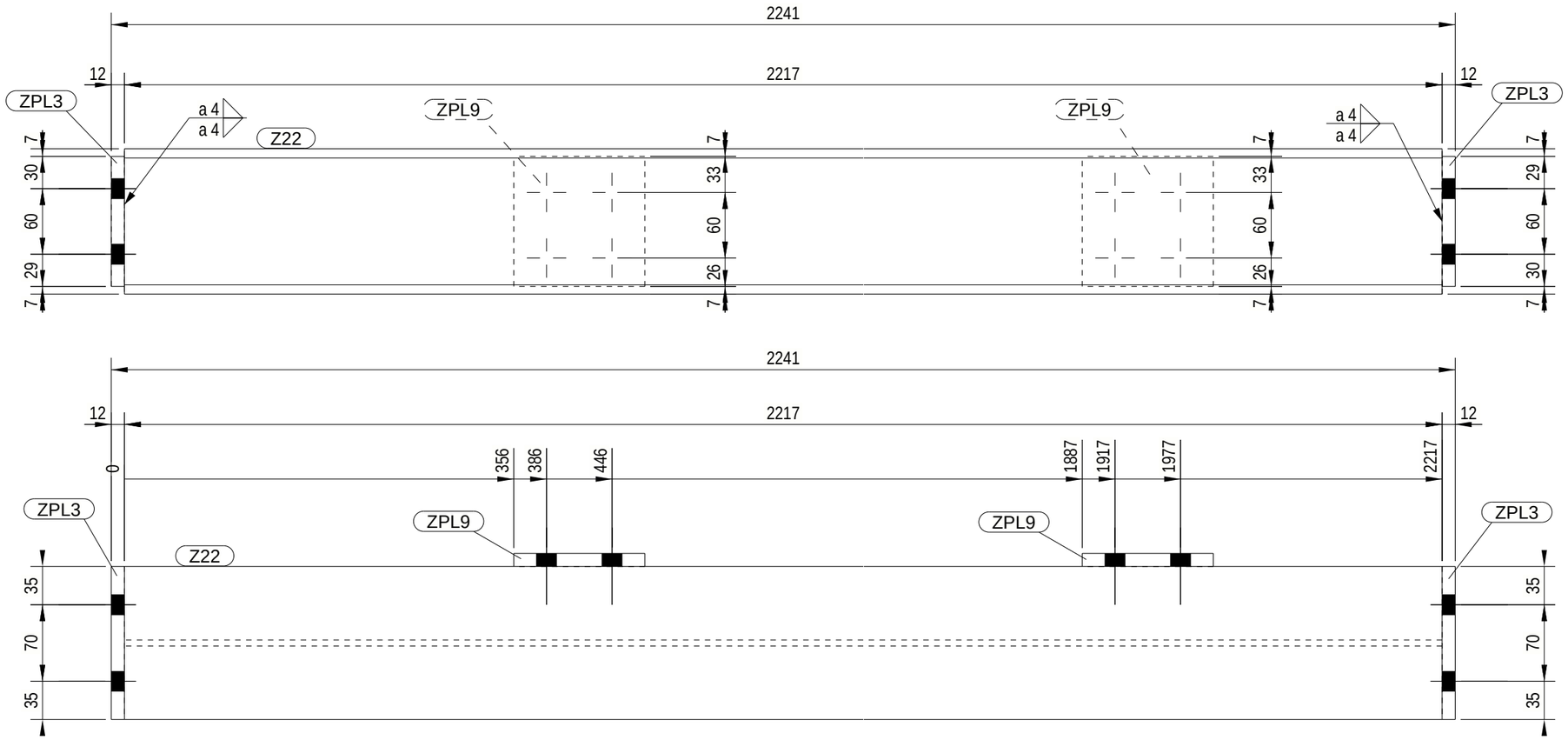

ASSEMBLYCODE	QTY
ZOE31 @ 1.2-2/A3-A2	1
ZOE31 @ 2.1-3/A3-A2	1
ZOE31 @ 4.1-5/A3-A2	1
ZOE31 @ 5.1-6/A3-A2	1
ZOE31 @ 6.1-7/A3-A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE31 — 5 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z22	HEA140	S355J0	1	2217	1.8	54.6
ZPL3	PL12*140	S355J0	2	119	0.1	3.1
ZPL9	PL12*120	S355J0	2	119	0.1	2.7
				Total	1.9 m^2	60.5 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE31	REV. -	A3

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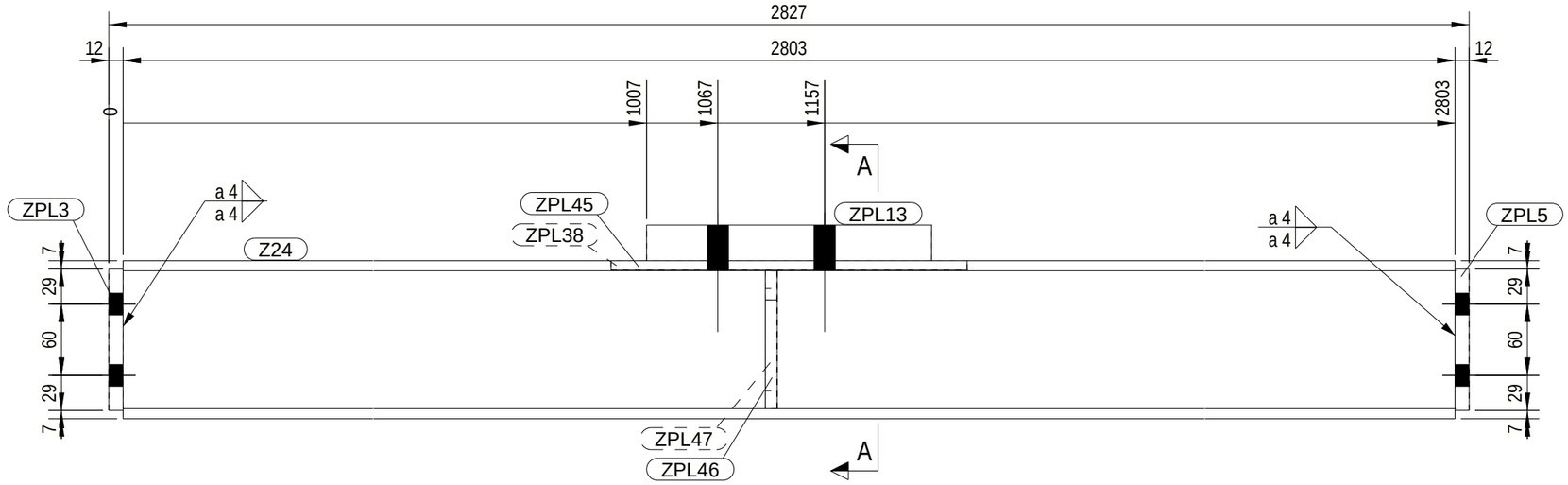
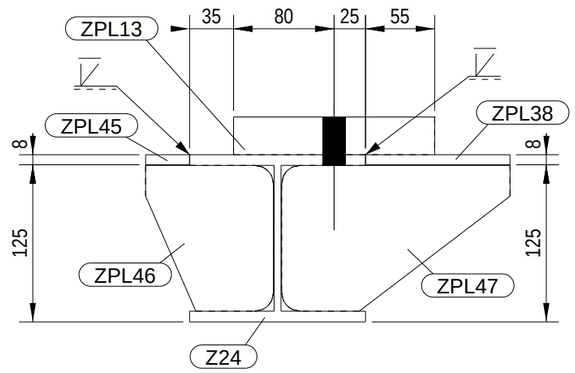
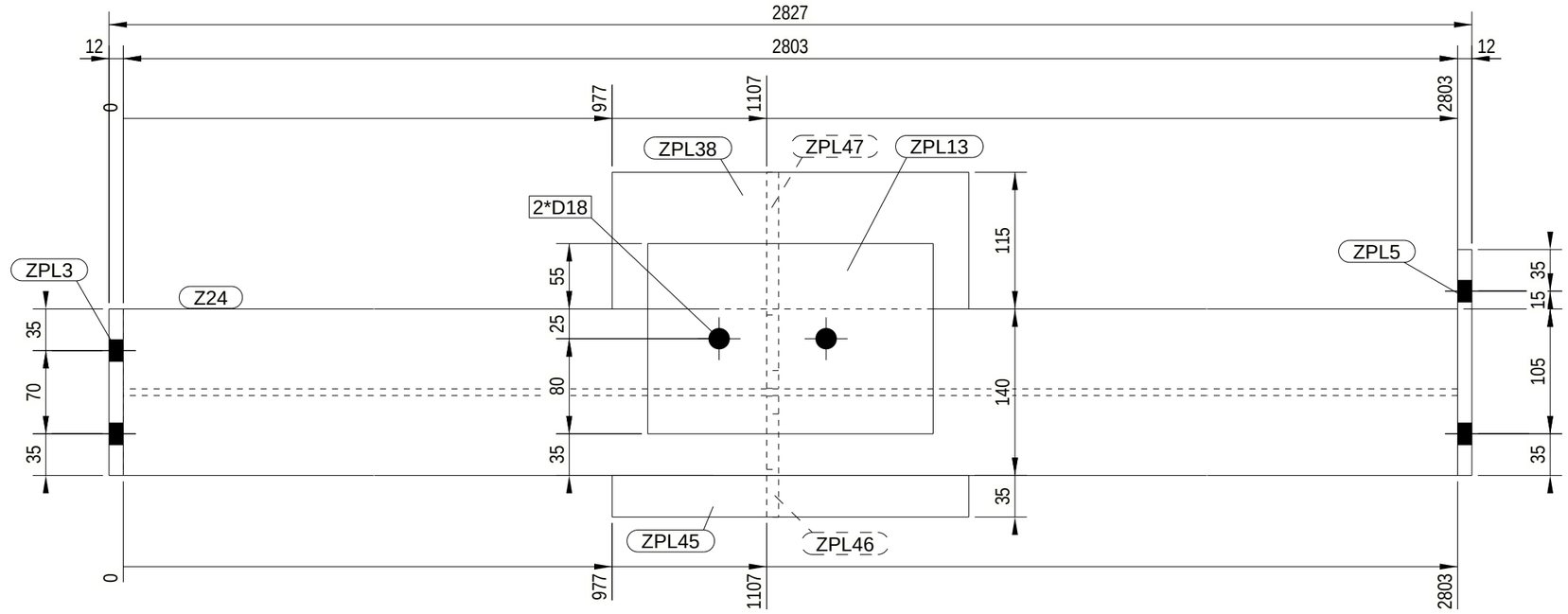




A - A
1:5



ASSEMBLYCODE	QTY
ZOE32 @ 1-2/<A	1
ZOE32 @ 2-3/<A	1
ZOE32 @ 3-4/<A	1
ZOE32 @ 4-5/<A	1
ZOE32 @ 5-6/<A	1
ZOE32 @ 6>/<A	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE32 — 6 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z24	HEA140	S355J0	1	2803	2.2	69.1
ZPL3	PL12*140	S355J0	1	119	0.0	1.6
ZPL5	PL12*190	S355J0	1	119	0.1	2.1
ZPL13	PL30*160	S355J0	1	240	0.1	9.0
ZPL38	PL8*115	S355J0	1	300	0.1	2.2
ZPL45	PL8*35	S355J0	1	300	0.0	0.7
ZPL46	PL10*102	S355J0	1	116	0.0	0.8
ZPL47	PL10*116	S355J0	1	182	0.0	1.2
				Total	2.6 m²	86.7 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE32	REV. -	A3

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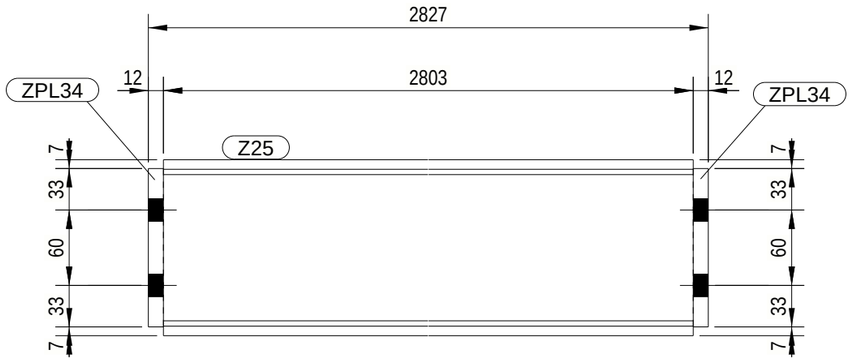

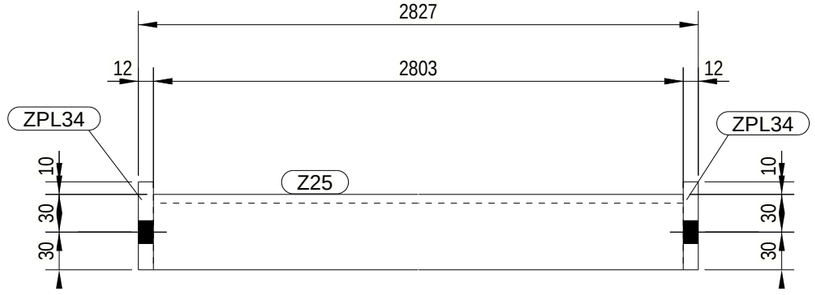

ASSEMBLYCODE	QTY
ZOE33 @ 3-3.1/A2	1
ZOE33 @ 4-4.1/A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE33 — 2 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z25	UNP140	S355J0	1	2803	1.4	44.9
ZPL34	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.4 m^2	46.5 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE33	REV. -	A3

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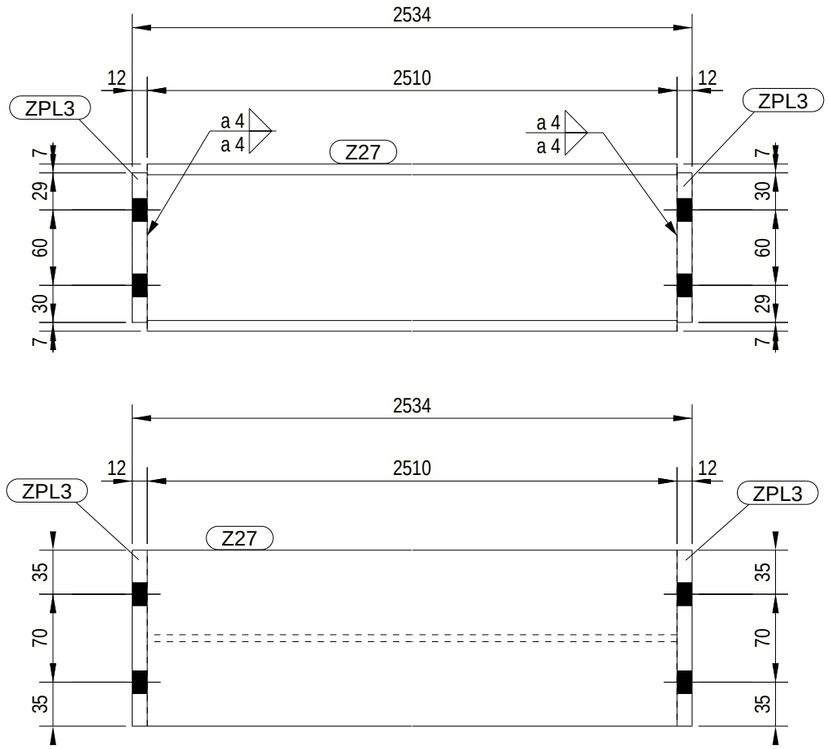

ASSEMBLYCODE	QTY
ZOE35 @ 0-0.1/A2	1
ZOE35 @ 0-1/A	2
ZOE35 @ 0.1-1/A2	1
ZOE35 @ 7-8/A1	1
ZOE35 @ 7-8/A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE35 — 6 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z27	HEA140	S355J0	1	2510	2.0	61.9
ZPL3	PL12*140	S355J0	2	119	0.1	3.1
				Total	2.1 m^2	65.0 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE35	REV. -	A3

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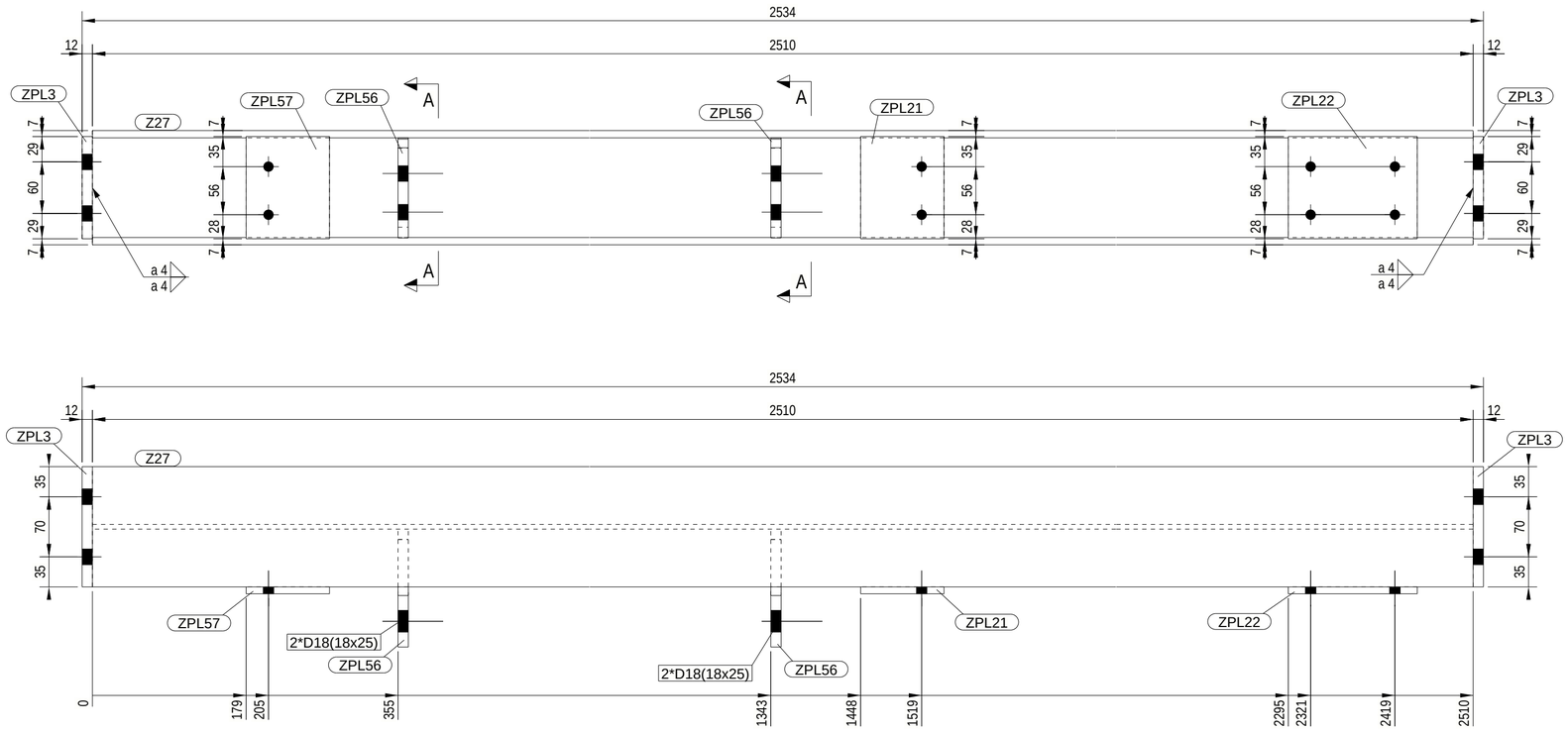

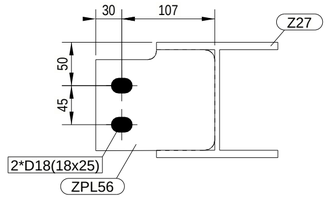

A - A
1:5

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE36 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z27	HEA140	S355J0	1	2510	2.0	61.9
ZPL3	PL12*140	S355J0	2	119	0.1	3.1
ZPL21	PL8*97	S355J2	1	119	0.0	0.7
ZPL22	PL8*150	S355J0	1	119	0.0	1.1
ZPL56	PL12*116	S355J0	2	138	0.1	2.8
ZPL57	PL8*97	S355J0	1	119	0.0	0.7
				Total	2.2 m^2	70.4 kg

ASSEMBLYCODE	QTY
ZOE36 @ 0-0.1/A3	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE36	REV. -	A2

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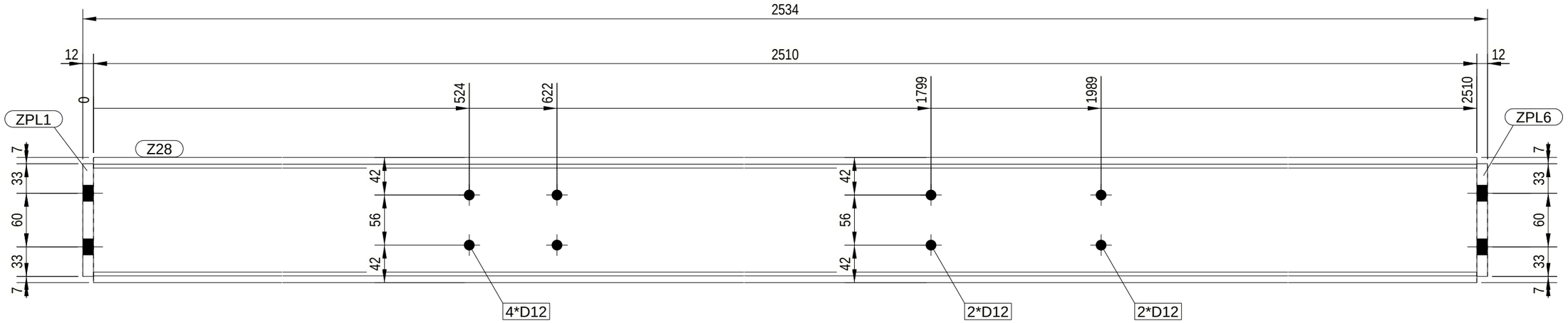

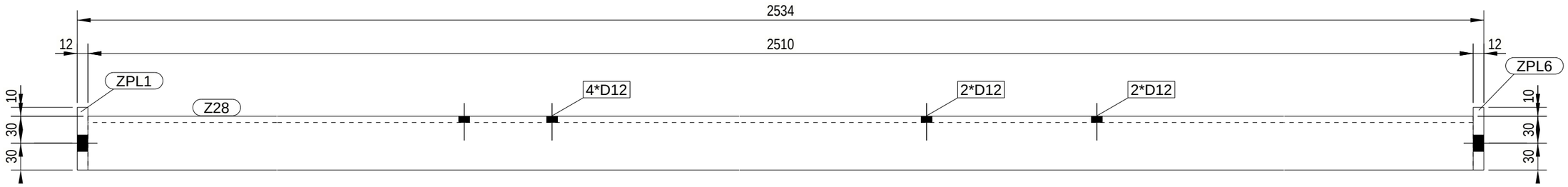

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE37 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z28	UNP140	S355J0	1	2510	1.2	40.2
ZPL1	PL12*70	S355J0	1	126	0.0	0.8
ZPL6	PL12*70	S355J0	1	126	0.0	0.8
				Total	1.3 m²	41.9 kg

ASSEMBLYCODE	QTY
ZOE37 @ 0.1-1/A3	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE37	REV. -	A3

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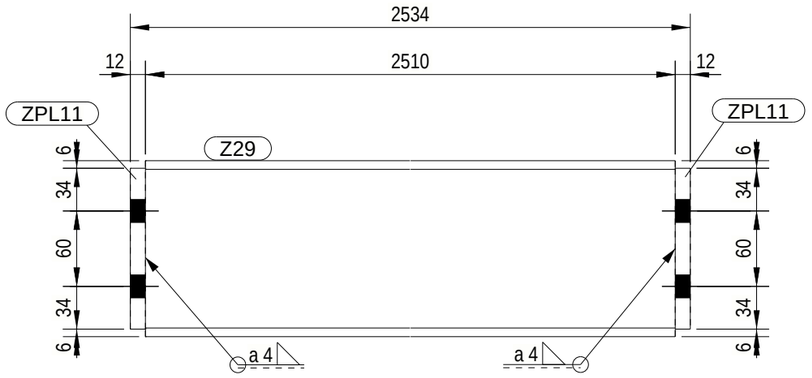

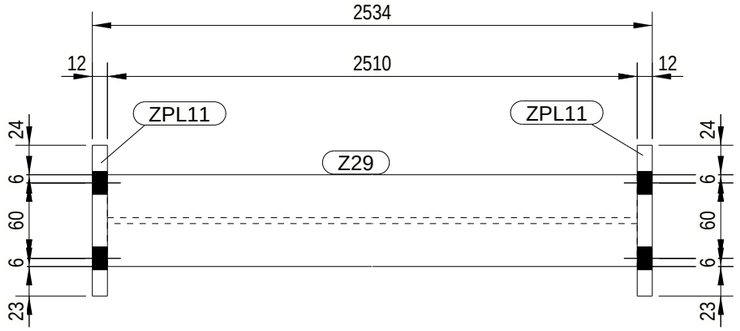

ASSEMBLYCODE	QTY
ZOE38 @ 0-0.1/A2-A1	1
ZOE38 @ 0-0.1/A3-A2	1
ZOE38 @ 0-1/<A	2
ZOE38 @ 0.1-1/A2	1
ZOE38 @ 0.1-1/A2-A1	1
ZOE38 @ 0.1-1/A3-A2	1
ZOE38 @ 7-8/A2-A1	2
ZOE38 @ 7-8/A3-A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE38 — 10 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z29	IPE140	S355J0	1	2510	1.4	32.3
ZPL11	PL12*120	S355J0	2	128	0.1	2.9
				Total	1.5 m^2	35.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE38	REV. -	A3

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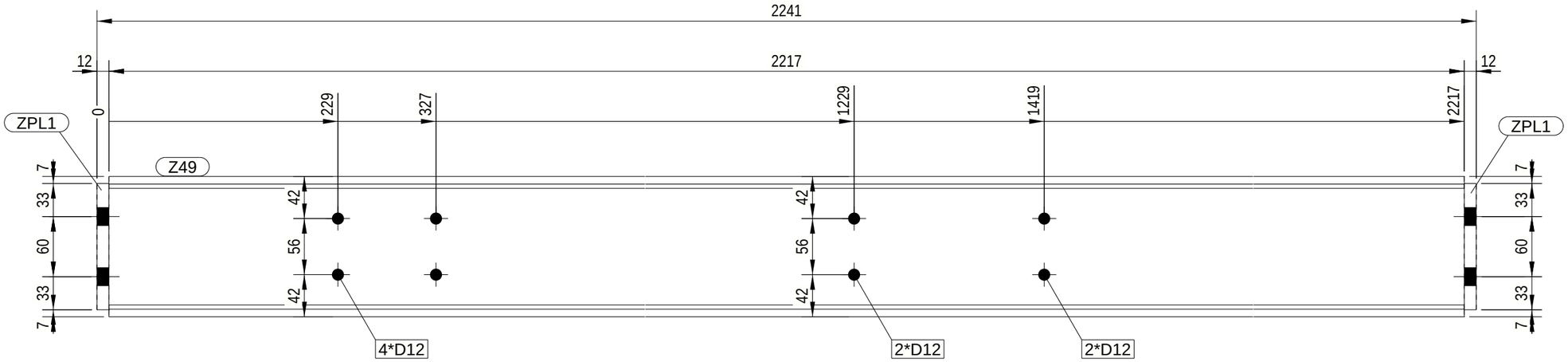

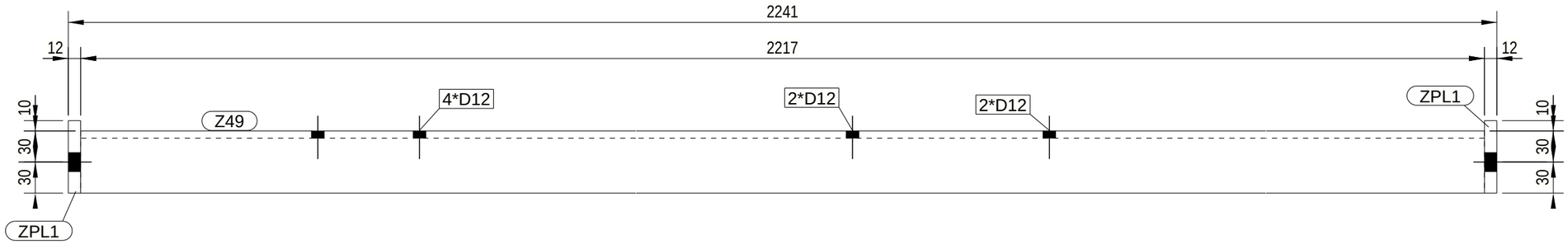

ASSEMBLYCODE	QTY
ZOE39 @ 4.1-5/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY ZOE39 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z49	UNP140	S355J0	1	2217	1.1	35.5
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.1 m²	37.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE39	REV. -	A3

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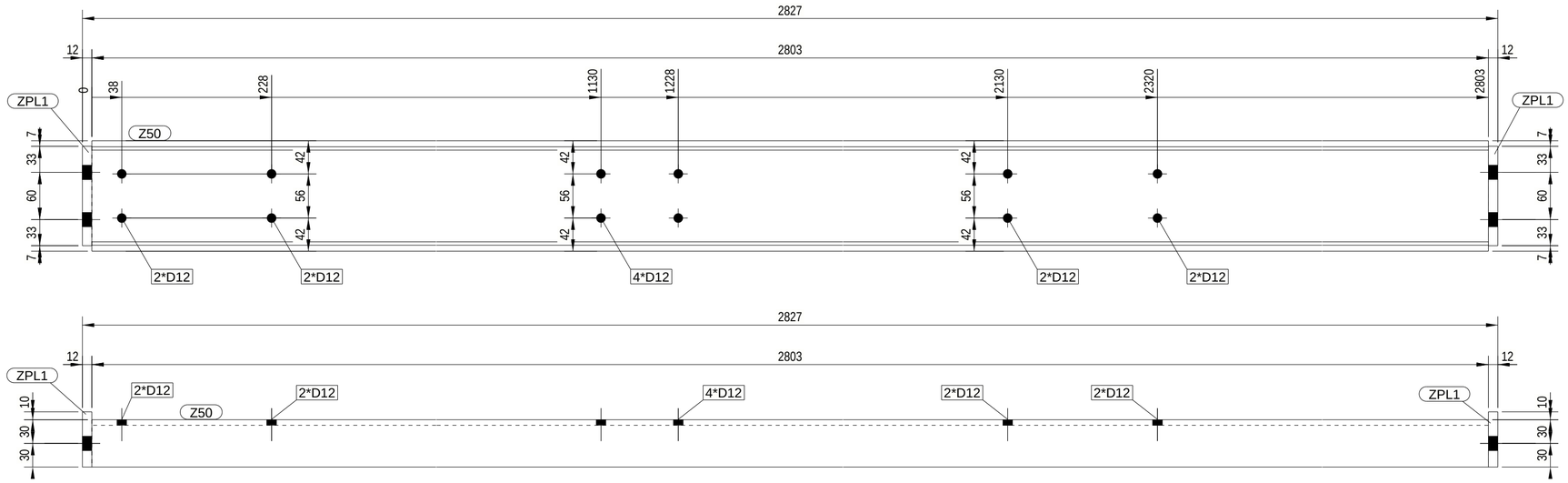

ASSEMBLYCODE	QTY
ZOE40 @ 5-5.1/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE40 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z50	UNP140	S355J0	1	2803	1.4	44.9
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.4 m^2	46.6 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE40	REV. -	A2

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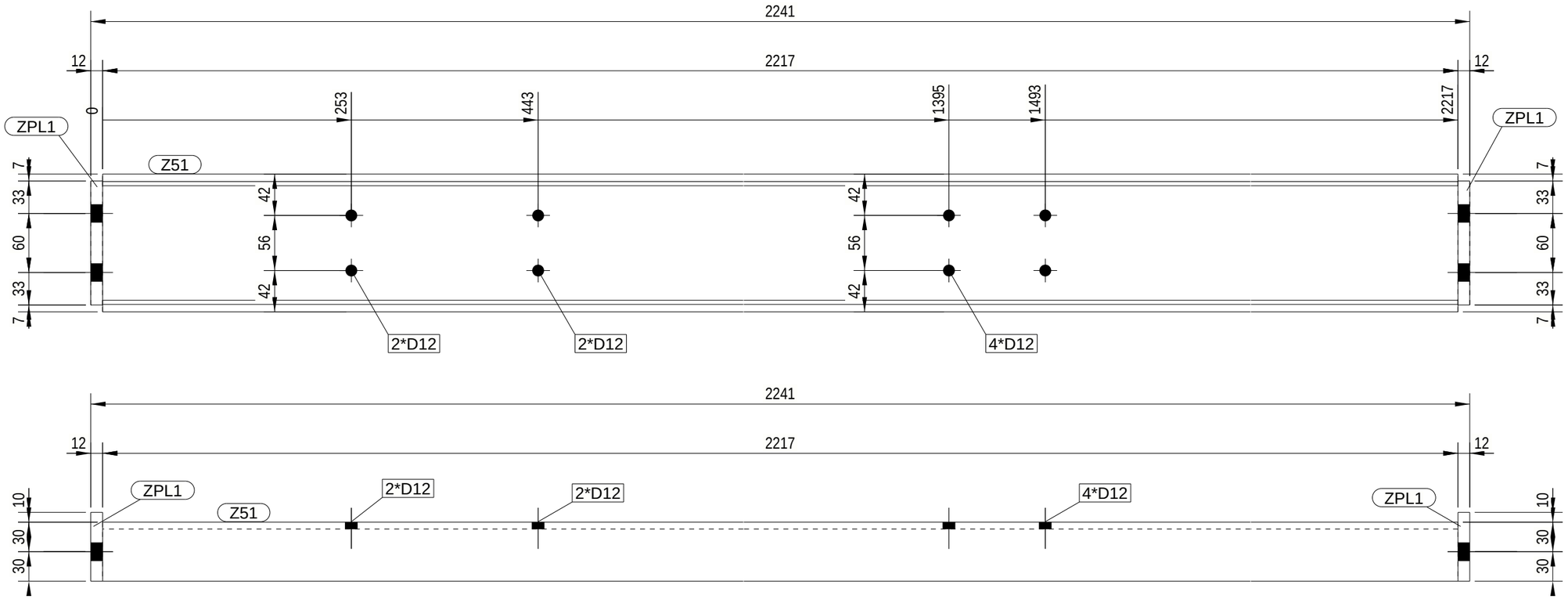

ASSEMBLYCODE	QTY
ZOE41 @ 5.1-6/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE41 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z51	UNP140	S355J0	1	2217	1.1	35.5
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.1 m²	37.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE41	REV. -	A3

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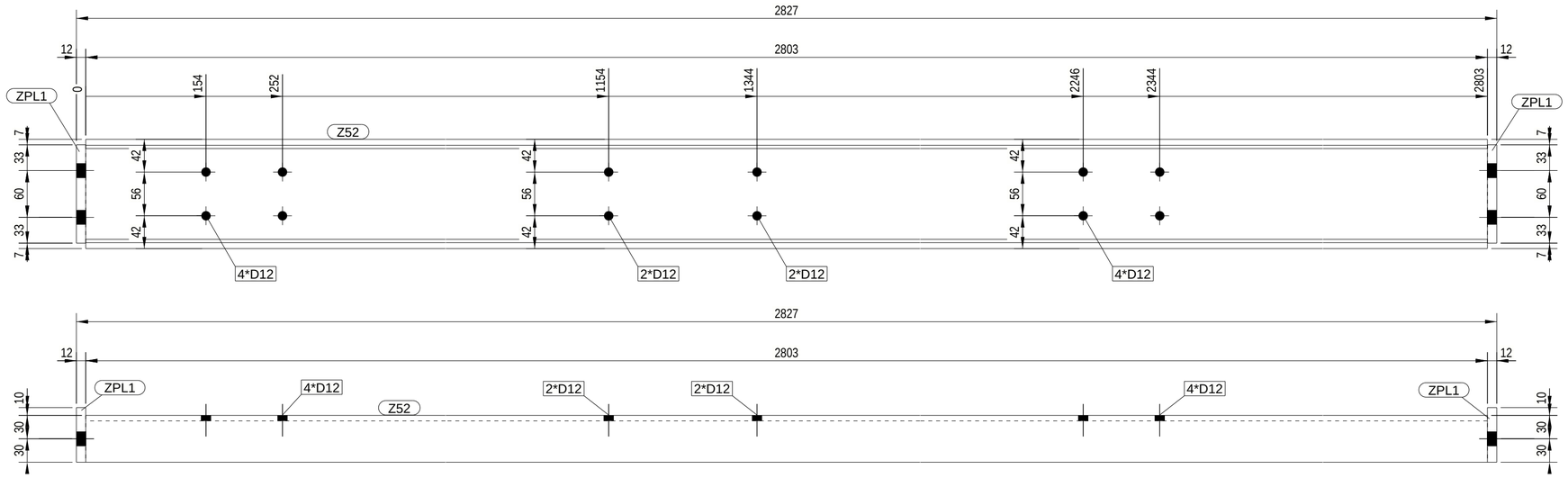

ASSEMBLYCODE	QTY
ZOE42 @ 6-6.1/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE42 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z52	UNP140	S355J0	1	2803	1.4	44.9
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.4 m^2	46.5 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE42	REV. -	A2

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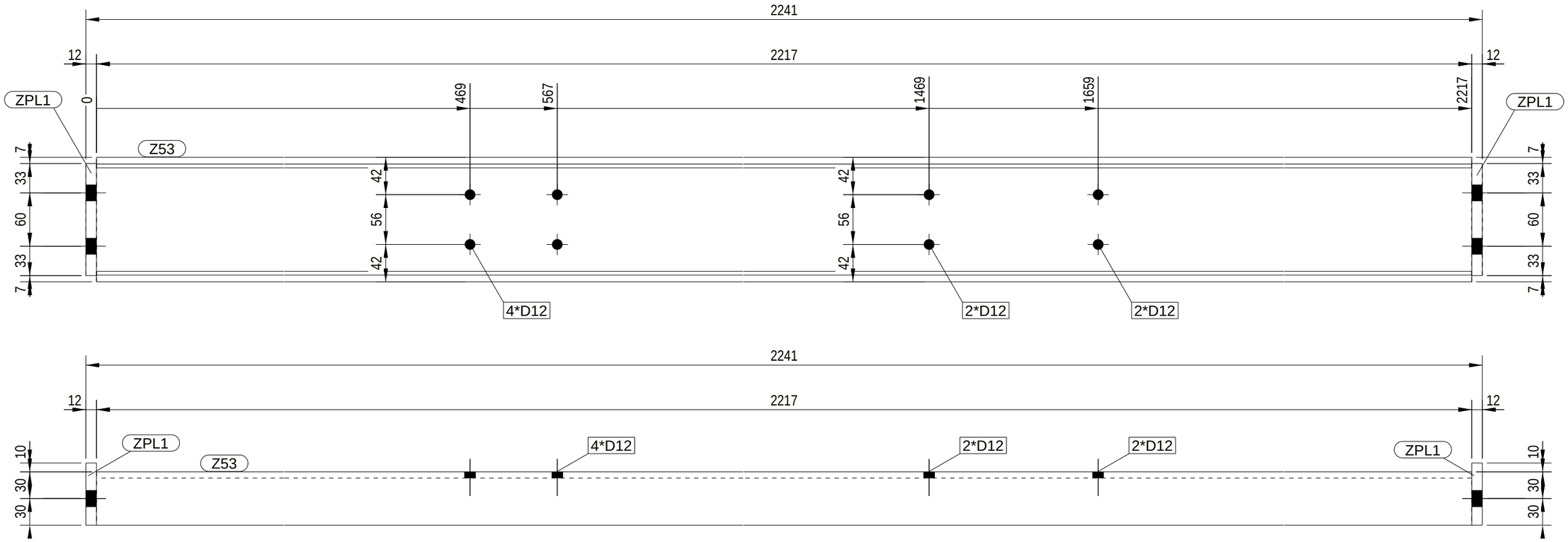

ASSEMBLYCODE	QTY
ZOE43 @ 6.1-7/A3	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE43 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z53	UNP140	S355J0	1	2217	1.1	35.5
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.1 m^2	37.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE43	REV. -	A3

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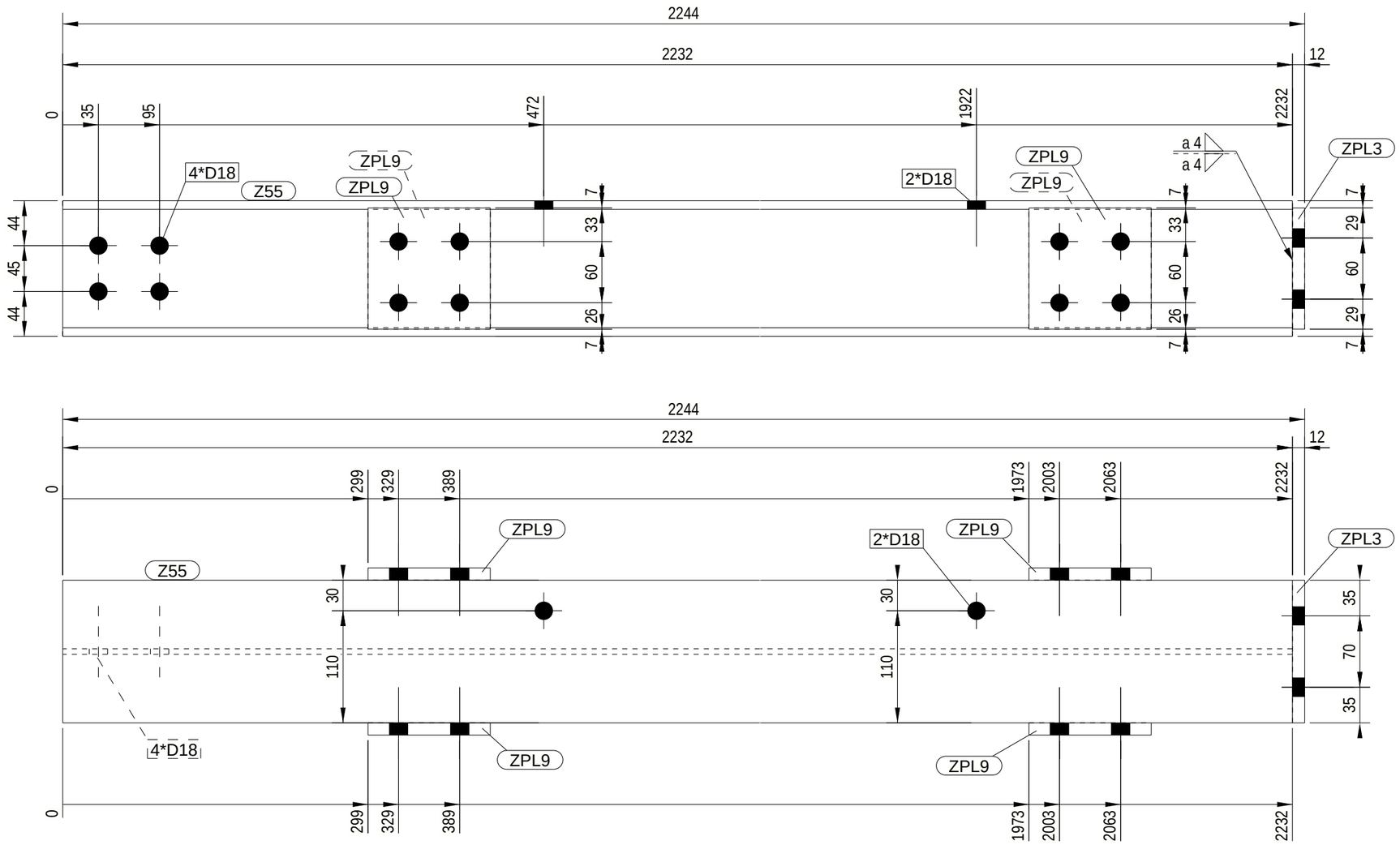

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE45 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z55	HEA140	S355J0	1	2232	1.8	55.0
ZPL3	PL12*140	S355J0	1	119	0.0	1.6
ZPL9	PL12*120	S355J0	4	119	0.1	5.4
				Total	1.9 m²	62.0 kg

ASSEMBLYCODE	QTY
ZOE45 @ 3.1-4/A2-A1	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE45	REV. -	A3

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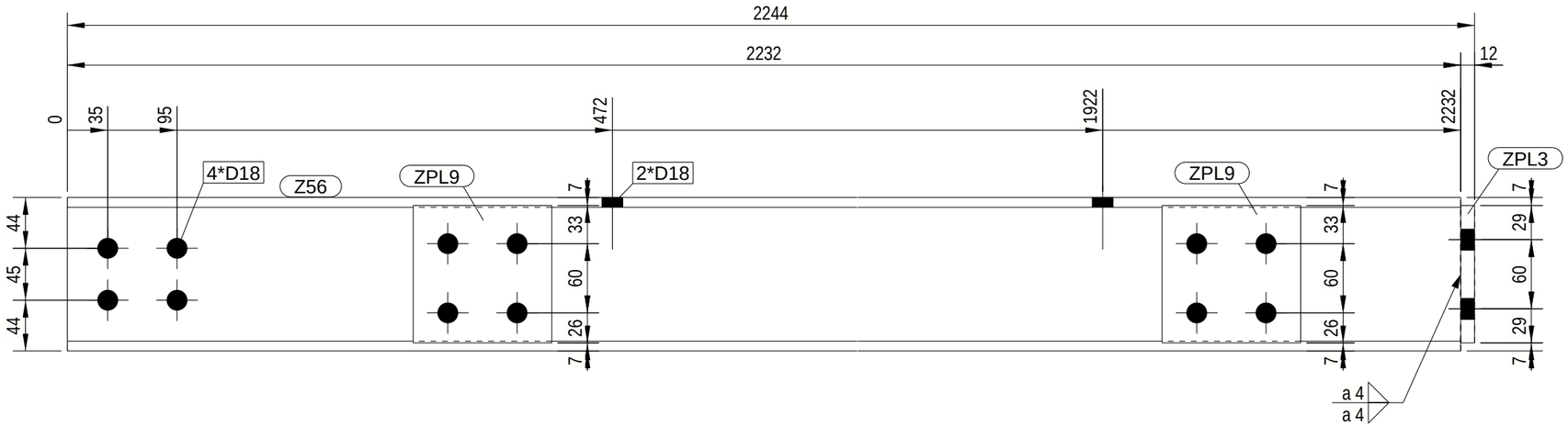

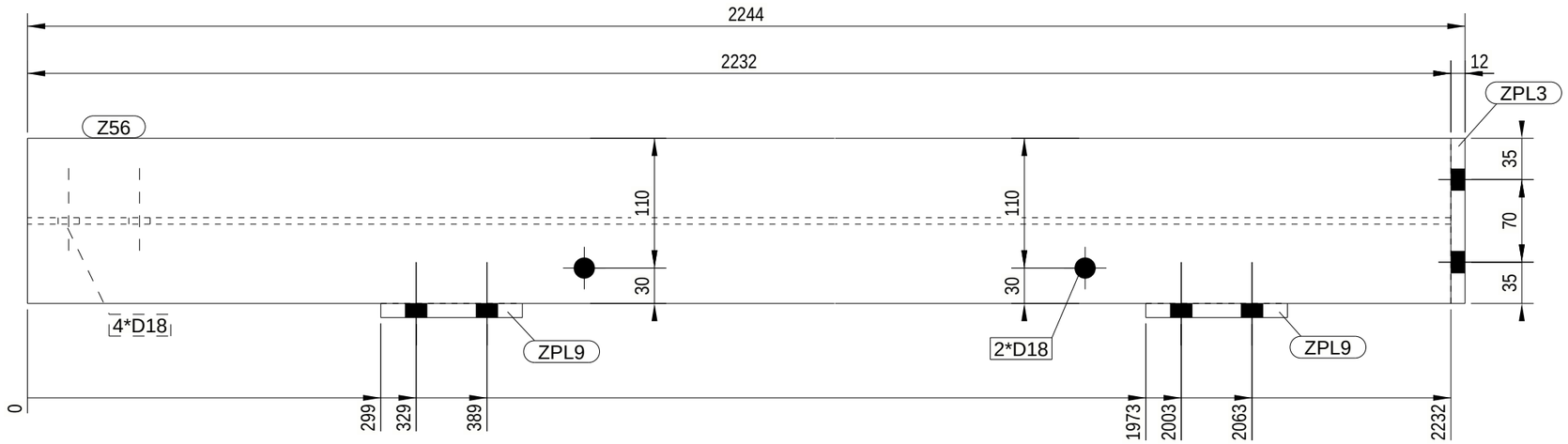

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE46 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z56	HEA140	S355J0	1	2232	1.8	55.0
ZPL3	PL12*140	S355J0	1	119	0.0	1.6
ZPL9	PL12*120	S355J0	2	119	0.1	2.7
				Total	1.9 m²	59.3 kg

ASSEMBLYCODE	QTY
ZOE46 @ 3.1-4/A1	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE46	REV. -	A3

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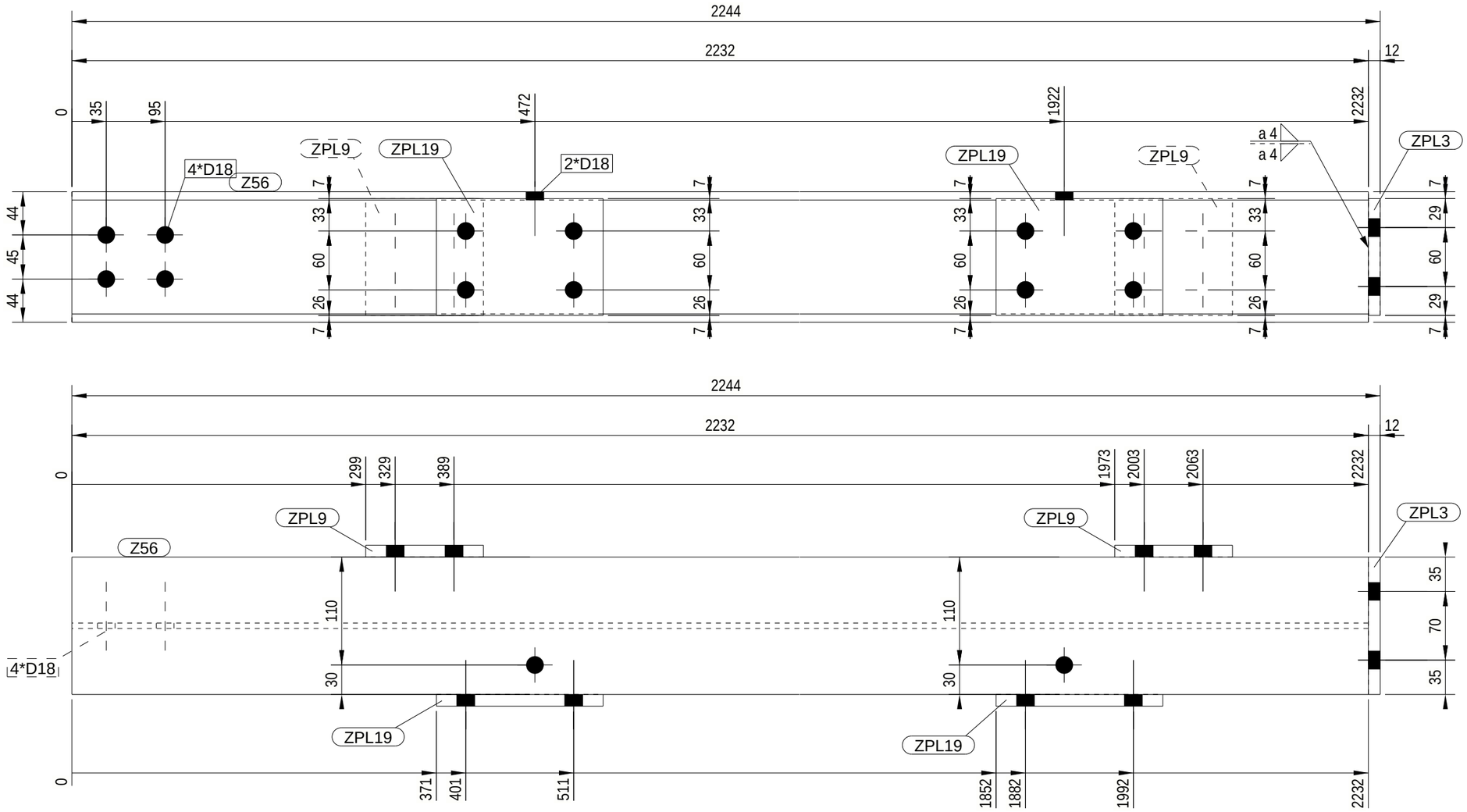

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE47 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z56	HEA140	S355J0	1	2232	1.8	55.0
ZPL3	PL12*140	S355J0	1	119	0.0	1.6
ZPL9	PL12*120	S355J0	2	119	0.1	2.7
ZPL19	PL12*170	S355J0	2	119	0.1	3.8
				Total	2.0 m²	63.1 kg

ASSEMBLYCODE	QTY
ZOE47 @ 3.1-4/A2-A1	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE47	REV. -	A3

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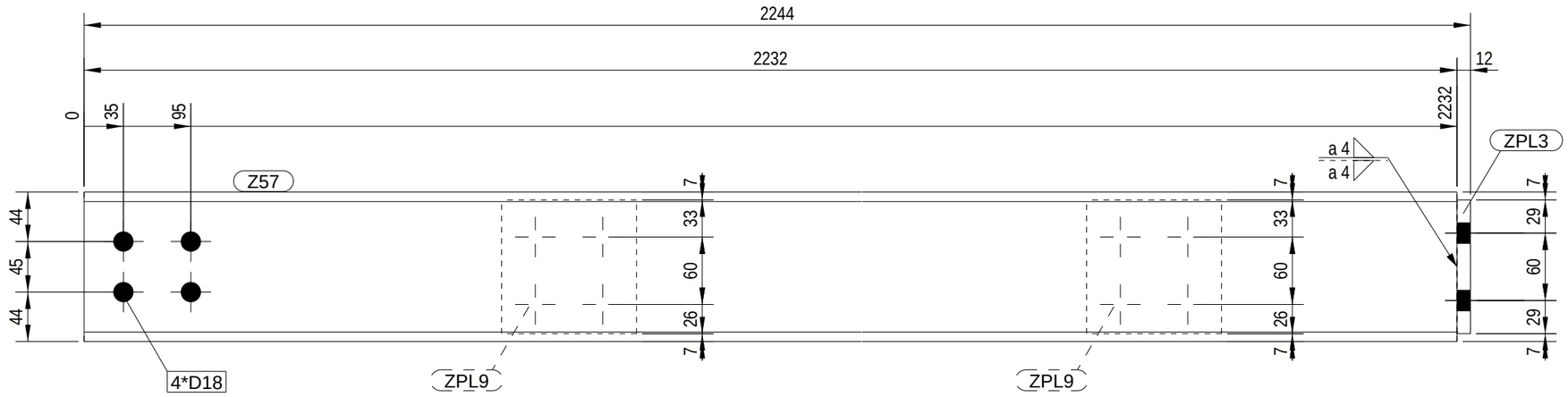

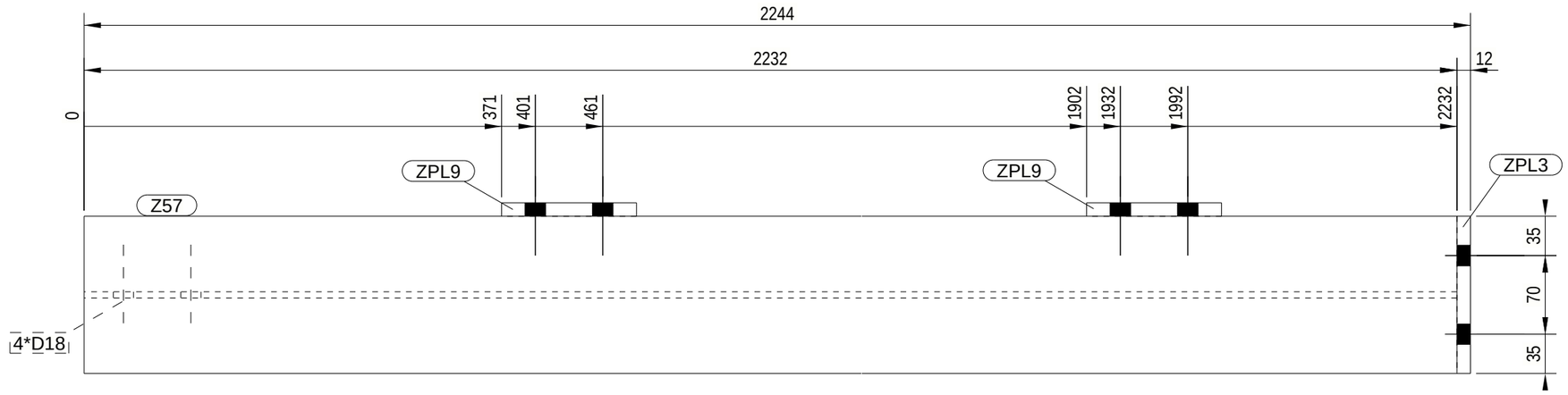

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE48 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z57	HEA140	S355J0	1	2232	1.8	55.0
ZPL3	PL12*140	S355J0	1	119	0.0	1.6
ZPL9	PL12*120	S355J0	2	119	0.1	2.7
				Total	1.9 m²	59.3 kg

ASSEMBLYCODE	QTY
ZOE48 @ 3.1-4/A3-A2	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE48	REV. -	A3

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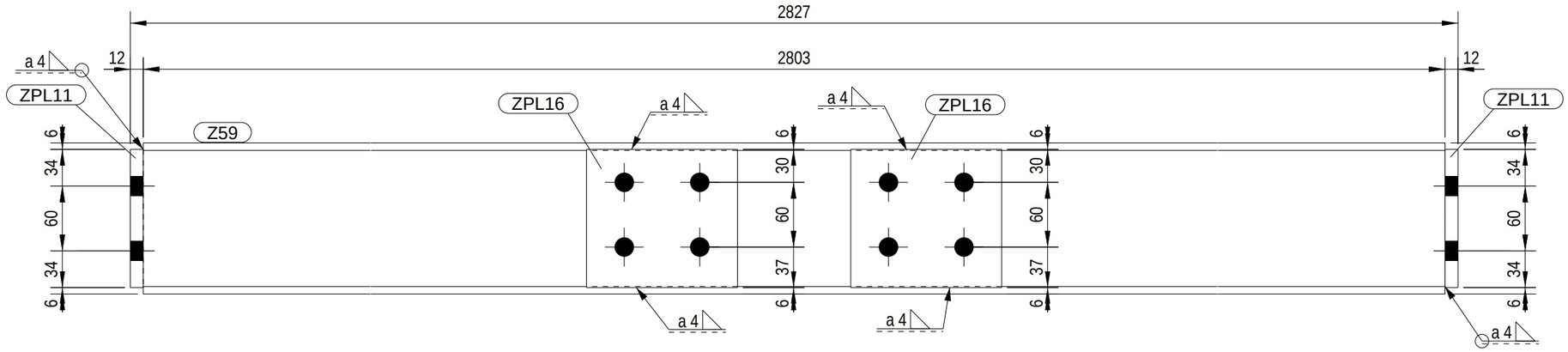

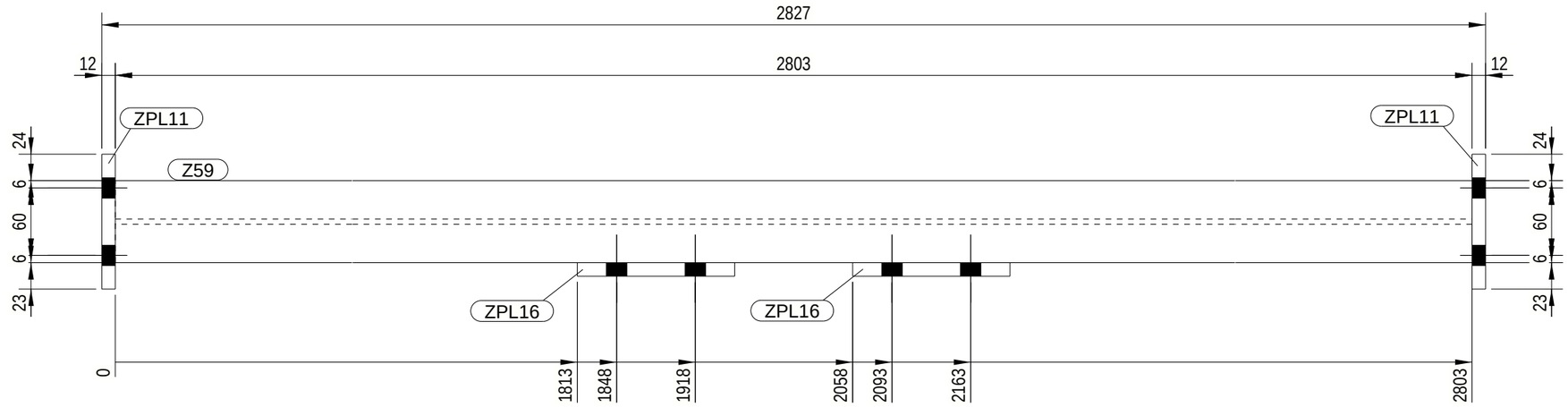

ASSEMBLYCODE	QTY
ZOE49 @ 1-1.2/A2-A1	1
ZOE49 @ 2-2.1/A2-A1	1
ZOE49 @ 3-3.1/A2-A1	1
ZOE49 @ 4-4.1/A2-A1	1
ZOE49 @ 5-5.1/A2-A1	1
ZOE49 @ 6-6.1/A2-A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE49 — 6 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z59	IPE140	S355J0	1	2803	1.5	36.1
ZPL11	PL12*120	S355J0	2	128	0.1	2.9
ZPL16	PL12*140	S355J0	2	128	0.1	3.4
				Total	1.7 m^2	42.4 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE49	REV. -	A3

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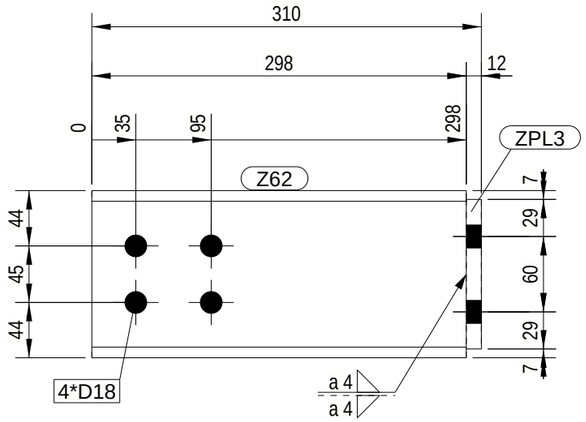

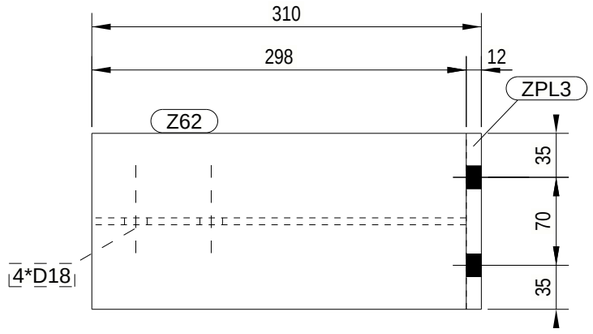

ASSEMBLYCODE	QTY
ZOE50 @ 3.1/A2-A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE50 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z62	HEA140	S355J0	1	298	0.2	7.3
ZPL3	PL12*140	S355J0	1	119	0.0	1.6
				Total	0.3 m^2	8.9 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE50	REV. -	A3

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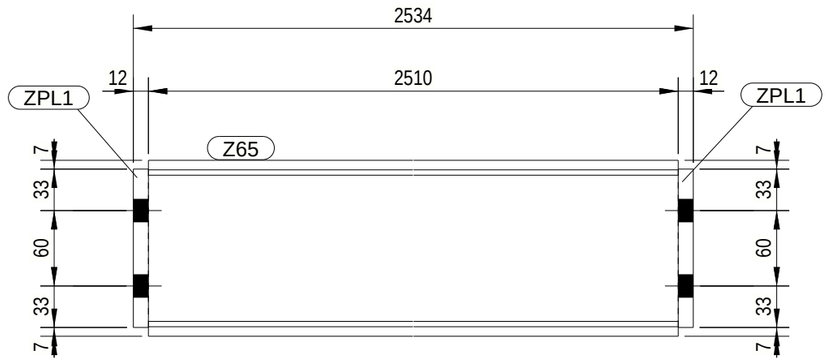

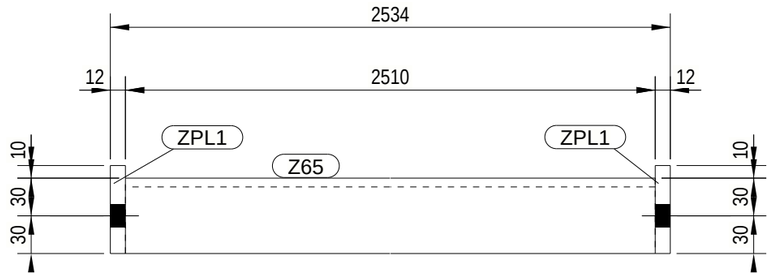

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE53 — 2 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z65	UNP140	S355J0	1	2510	1.2	40.2
ZPL1	PL12*70	S355J0	2	126	0.0	1.7
				Total	1.3 m^2	41.9 kg

ASSEMBLYCODE	QTY
ZOE53 @ 0-1/A	2

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE53	REV. -	A3

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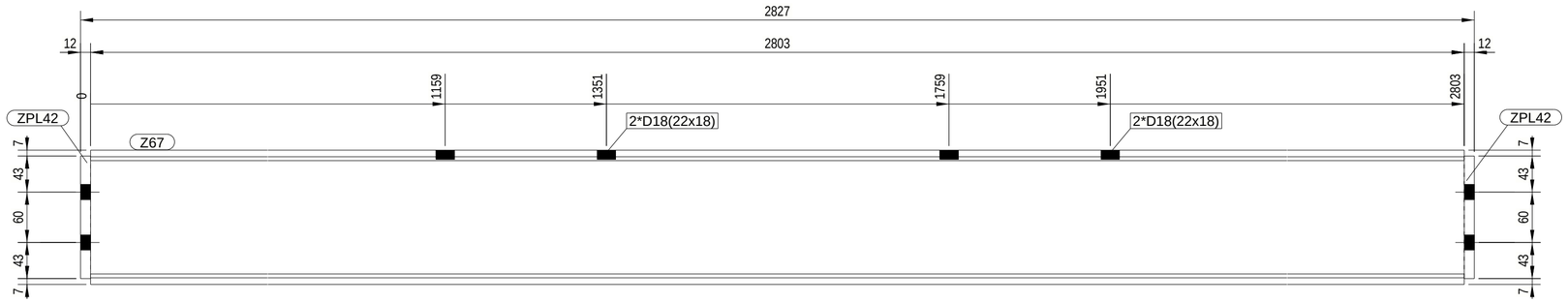

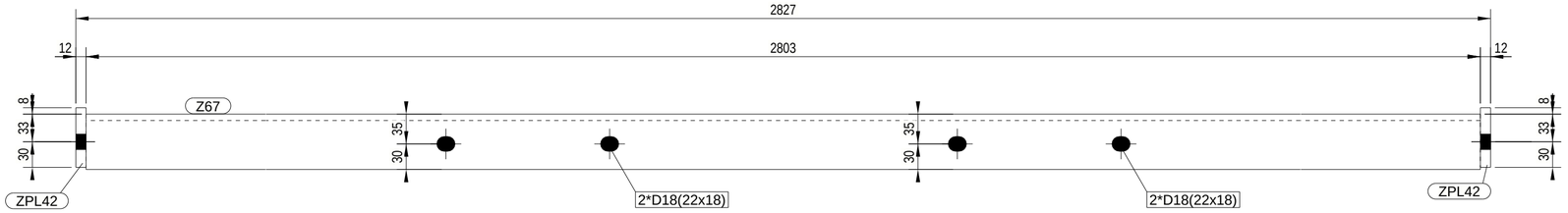

ASSEMBLYCODE	QTY
ZOE55 @ 4-4.1/A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE55 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z67	UNP160	S355J0	1	2803	1.5	52.8
ZPL42	PL12*70	S355J0	2	146	0.1	1.9
				Total	1.6 m^2	54.7 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE55	REV. -	A2

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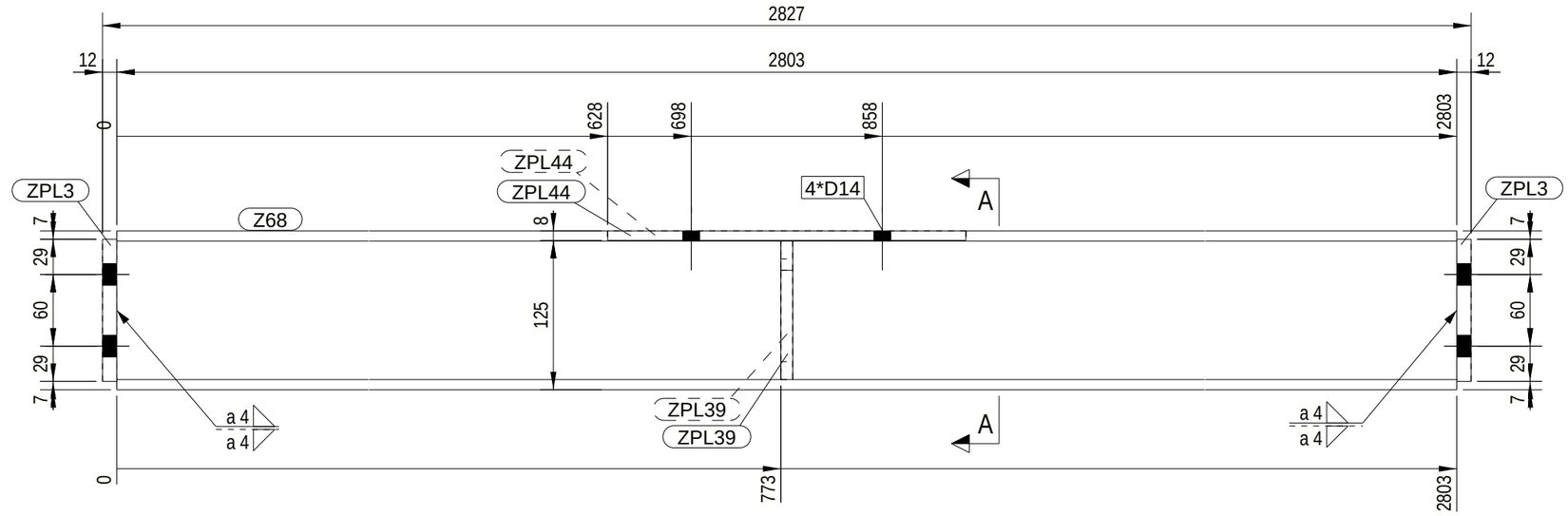
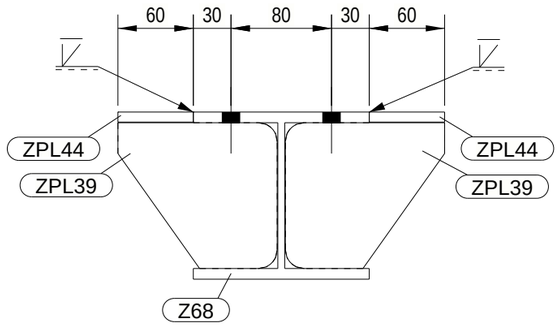
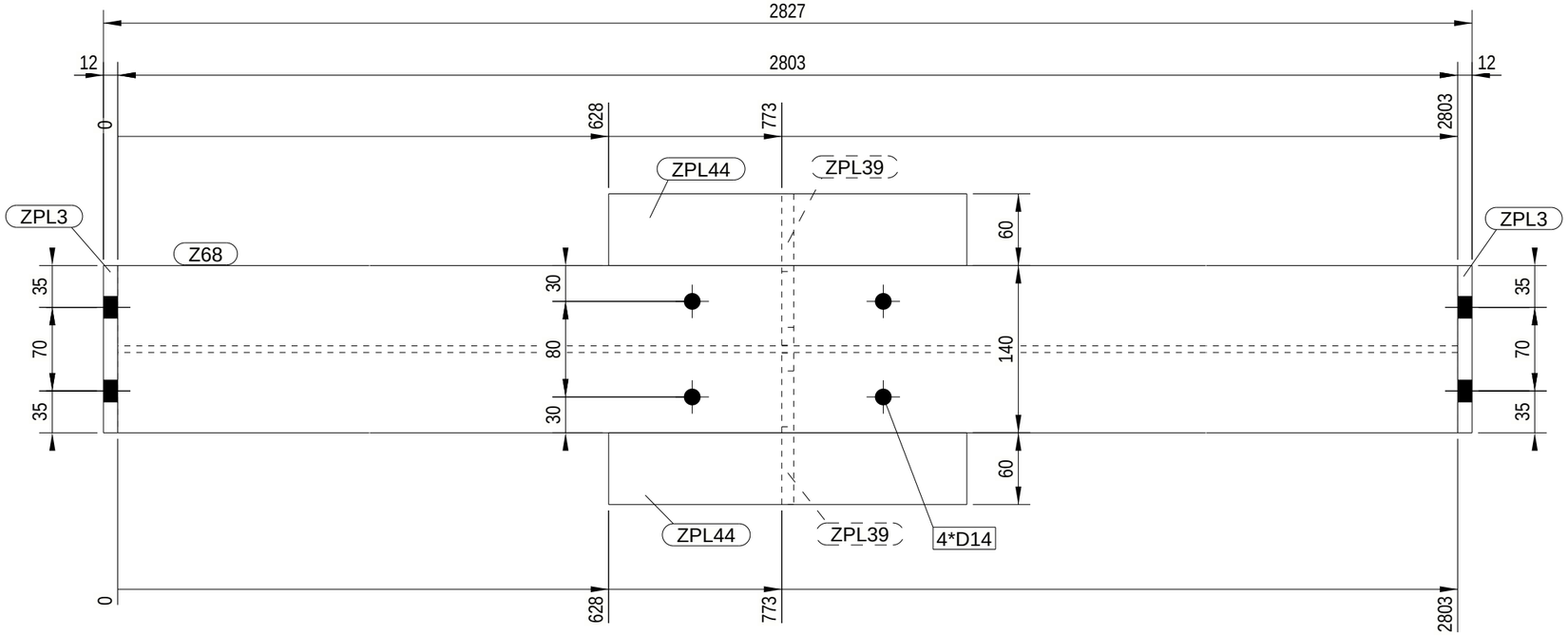




A - A
1:5



ASSEMBLYCODE	QTY
ZOE56 @ 1-1.2/A1	1
ZOE56 @ 2-2.1/A1	1
ZOE56 @ 3-3.1/A1	1
ZOE56 @ 4-4.1/A1	1
ZOE56 @ 5-5.1/A1	1
ZOE56 @ 6-6.1/A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE56 — 6 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z68	HEA140	S355J0	1	2803	2.2	69.1
ZPL3	PL12*140	S355J0	2	119	0.1	3.1
ZPL39	PL10*116	S355J0	2	127	0.1	1.8
ZPL44	PL8*60	S355J0	2	300	0.1	2.3
				Total	2.4 m^2	76.3 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE56	REV. -	A3

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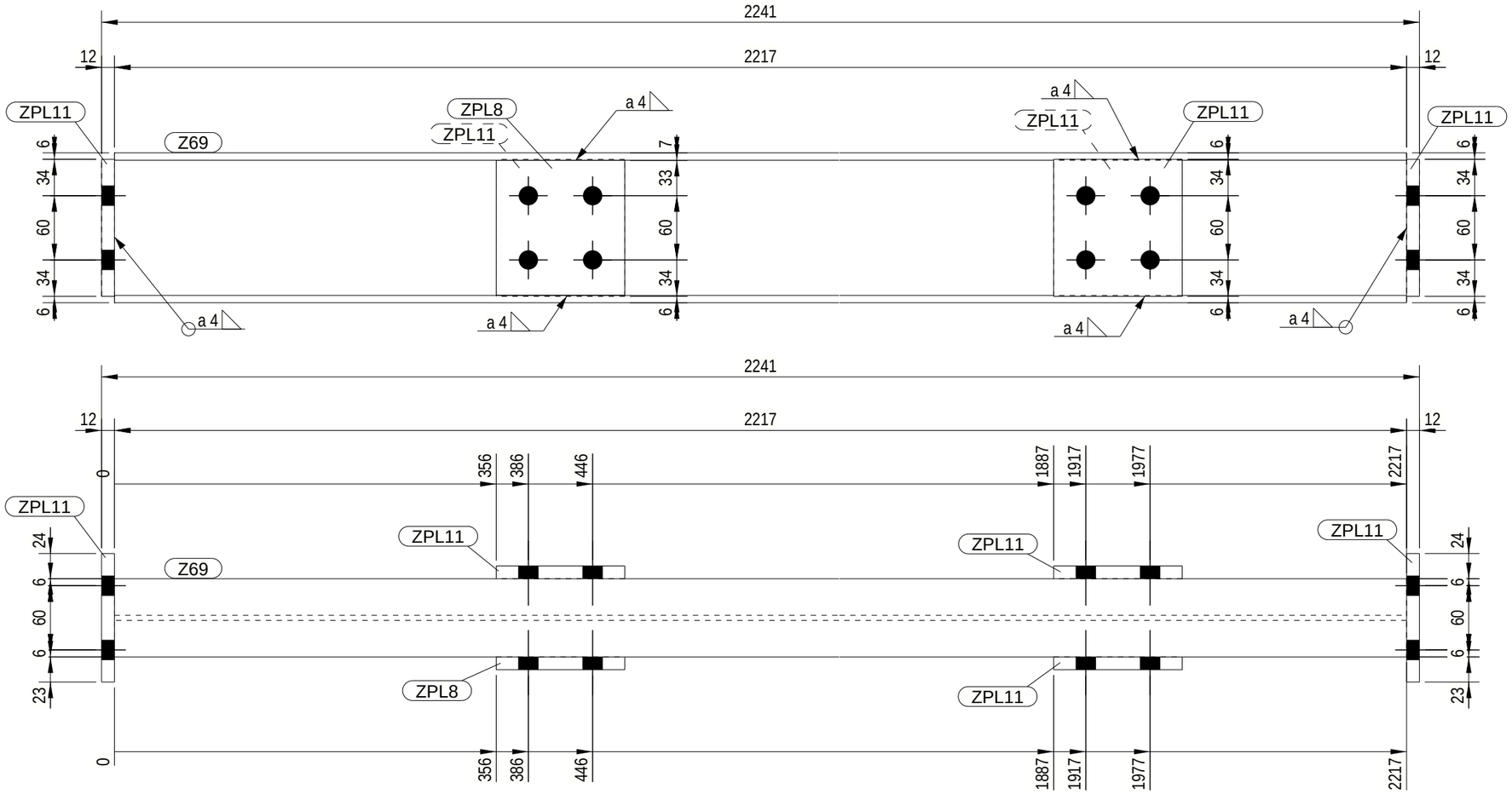

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE57 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z69	IPE140	S355J0	1	2217	1.2	28.5
ZPL8	PL12*120	S355J0	1	126	0.0	1.4
ZPL11	PL12*120	S355J0	5	128	0.2	7.2
				Total	1.4 m^2	37.2 kg

ASSEMBLYCODE	QTY
ZOE57 @ 6.1-7/A2	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE57	REV. -	A3

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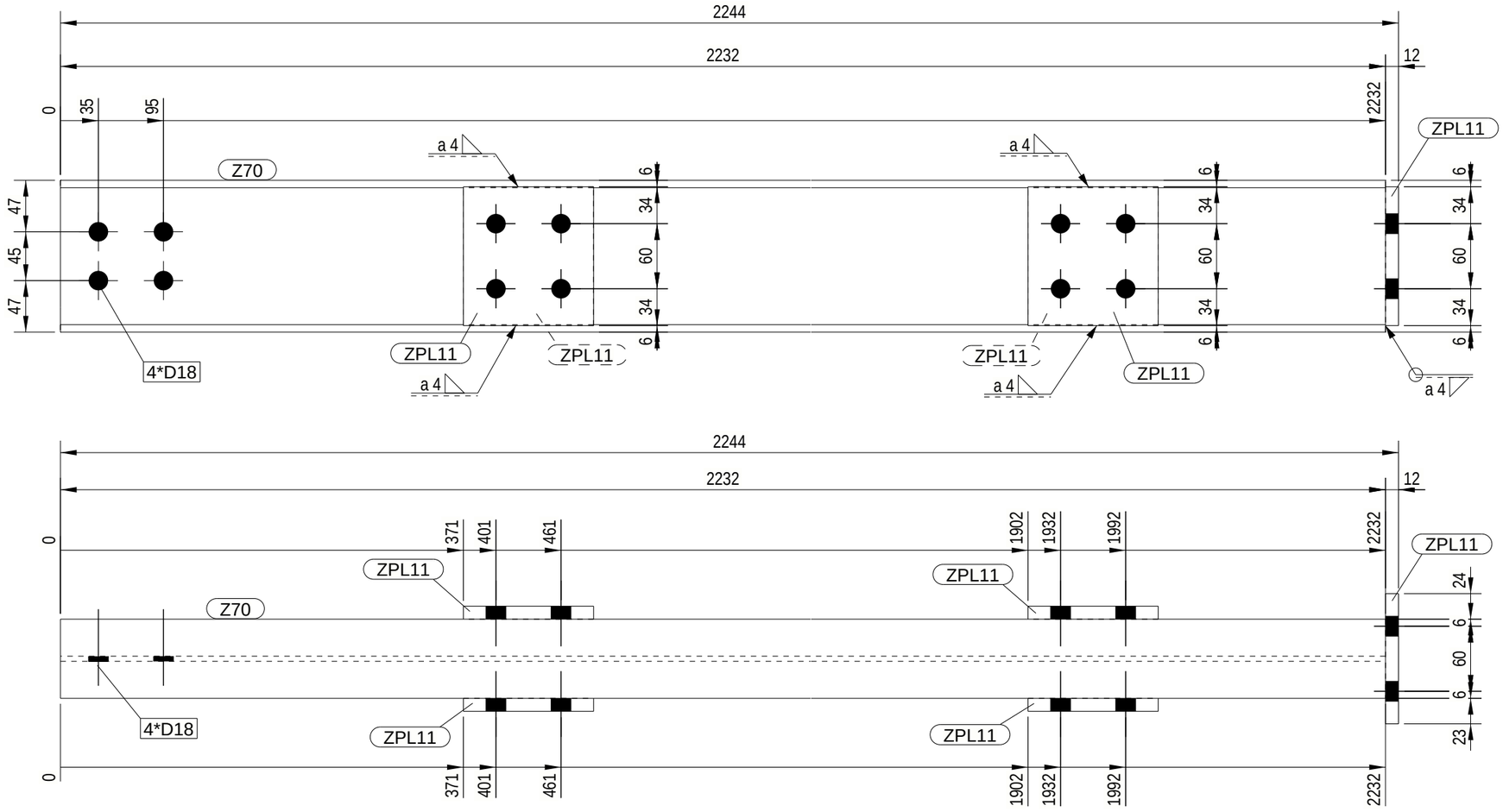

ASSEMBLYCODE	QTY
ZOE58 @ 3.1-4/A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE58 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z70	IPE140	S355J0	1	2232	1.2	28.7
ZPL11	PL12*120	S355J0	5	128	0.2	7.2
				Total	1.4 m^2	36.0 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE58	REV. -	A3

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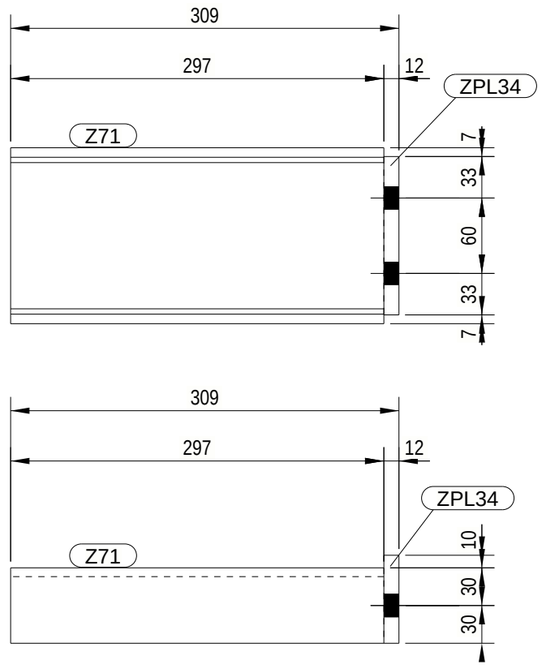

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE59 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z71	UNP140	S355J0	1	297	0.1	4.8
ZPL34	PL12*70	S355J0	1	126	0.0	0.8
				Total	0.2 m^2	5.6 kg

ASSEMBLYCODE	QTY
ZOE59 @ 0.1/A3	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE59	REV. -	A3

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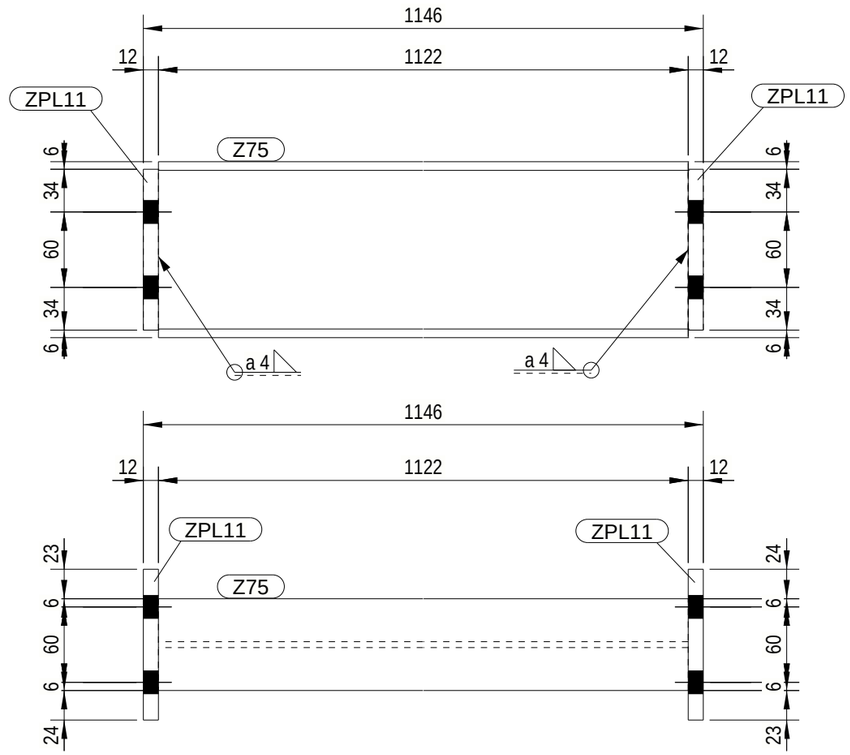

ASSEMBLYCODE	QTY
ZOE61 @ 1.2-2/A3-A2	1
ZOE61 @ 2.1-3/A3-A2	1
ZOE61 @ 2/A3-A2	1
ZOE61 @ 3.1-4/A3-A2	1
ZOE61 @ 3/A3-A2	1
ZOE61 @ 4.1-5/A3-A2	1
ZOE61 @ 4/A3-A2	1
ZOE61 @ 5.1-6/A3-A2	1
ZOE61 @ 5/A3-A2	1
ZOE61 @ 6.1-7/A3-A2	1
ZOE61 @ 6/A3-A2	1
ZOE61 @ 7/A3-A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE61 — 12 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z75	IPE140	S355J0	1	1122	0.6	14.4
ZPL11	PL12*120	S355J0	2	128	0.1	2.9
				Total	0.7 m^2	17.3 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE61	REV. -	A3

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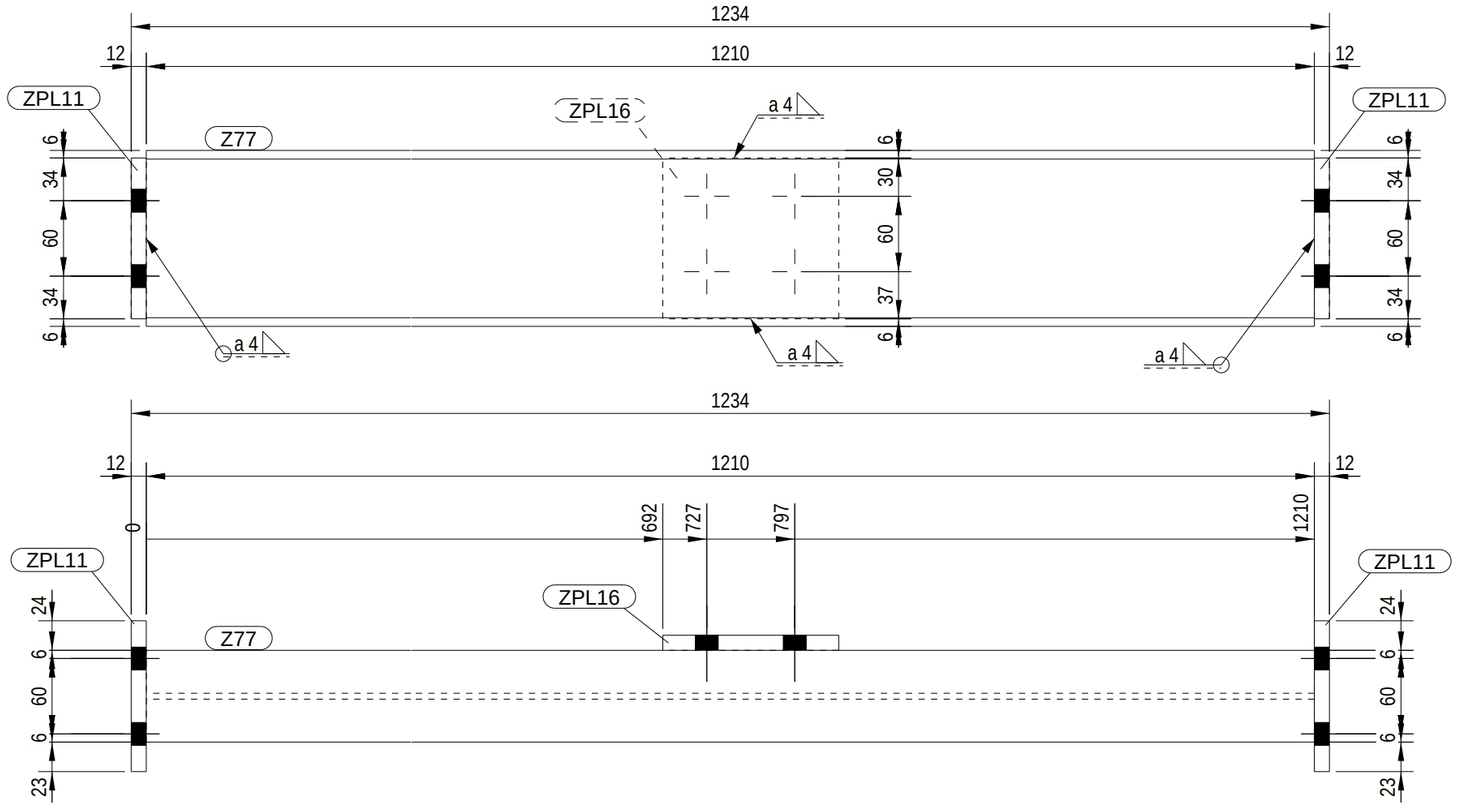

ASSEMBLYCODE	QTY
ZOE62 @ 1-2/<A	1
ZOE62 @ 2-3/<A	1
ZOE62 @ 3-4/<A	1
ZOE62 @ 4-5/<A	1
ZOE62 @ 5-6/<A	1
ZOE62 @ 6.1/A2-A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE62 — 6 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z77	IPE140	S355J0	1	1210	0.7	15.6
ZPL11	PL12*120	S355J0	2	128	0.1	2.9
ZPL16	PL12*140	S355J0	1	128	0.0	1.7
				Total	0.8 m^2	20.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE62	REV.	-
			A3

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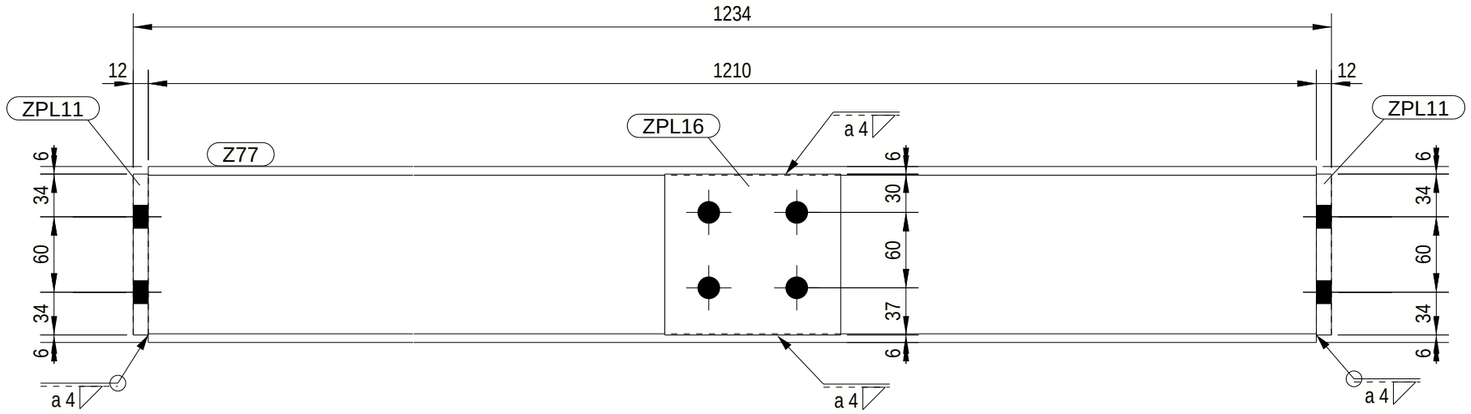

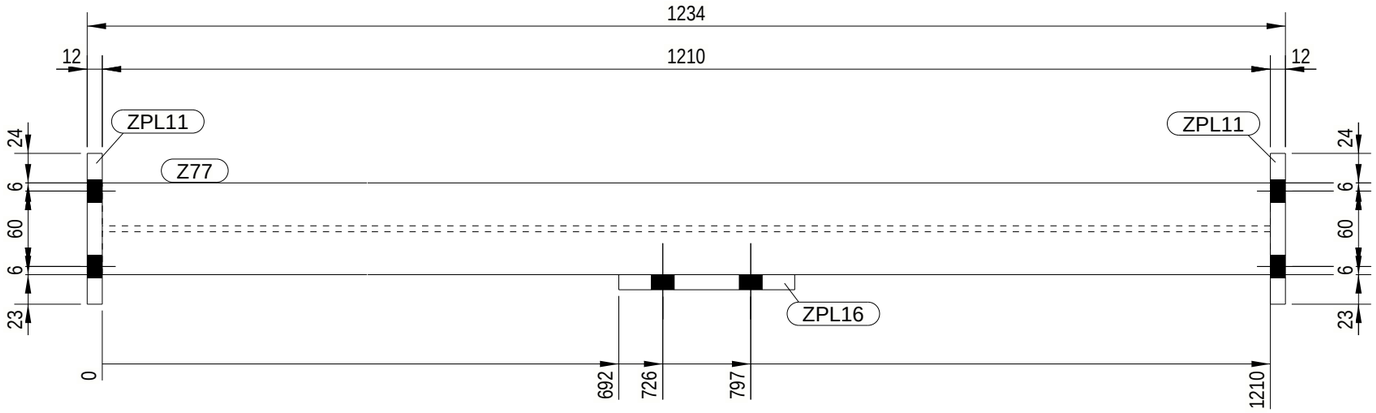

ASSEMBLYCODE	QTY
ZOE63 @ 2/<A	1
ZOE63 @ 3/<A	1
ZOE63 @ 4/<A	1
ZOE63 @ 5/<A	1
ZOE63 @ 6/<A	1
ZOE63 @ 7/A2-A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY ZOE63 6 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z77	IPE140	S355J0	1	1210	0.7	15.6
ZPL11	PL12*120	S355J0	2	128	0.1	2.9
ZPL16	PL12*140	S355J0	1	128	0.0	1.7
				Total	0.8 m²	20.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE63	REV. -	A3

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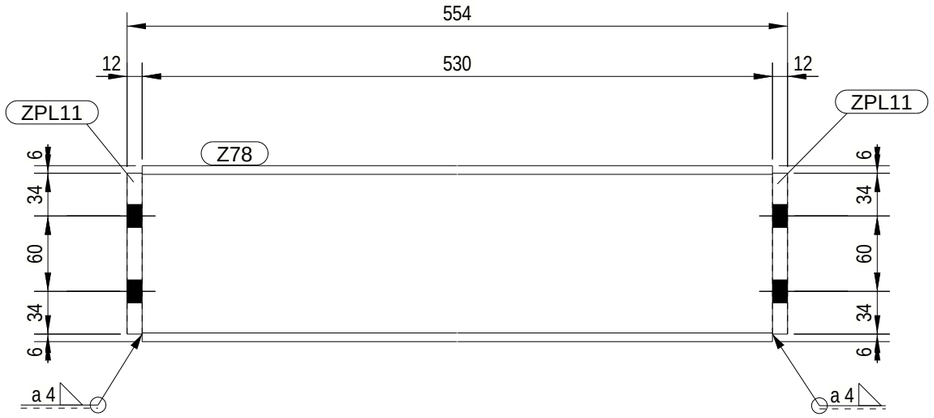

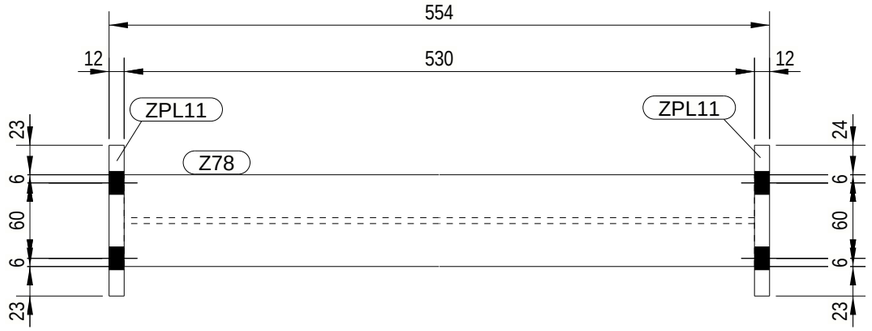

ASSEMBLYCODE	QTY
ZOE64 @ 1.2/A2-A1	1
ZOE64 @ 2.1/A2-A1	1
ZOE64 @ 2/A2-A1	1
ZOE64 @ 3.1/A2-A1	1
ZOE64 @ 3/A2-A1	1
ZOE64 @ 4.1/A2-A1	1
ZOE64 @ 4/A2-A1	1
ZOE64 @ 5.1/A2-A1	1
ZOE64 @ 5/A2-A1	1
ZOE64 @ 6.1/A2-A1	1
ZOE64 @ 6/A2-A1	1
ZOE64 @ 7/A2-A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE64 — 12 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z78	IPE140	S355J0	1	530	0.3	6.8
ZPL11	PL12*120	S355J0	2	128	0.1	2.9
				Total	0.4 m^2	9.7 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE64	REV. -	A3

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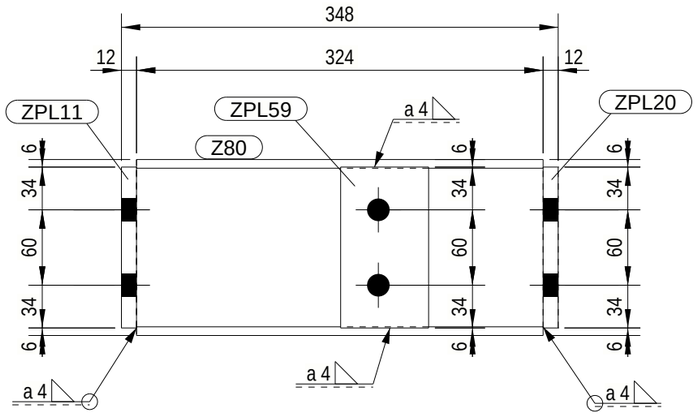

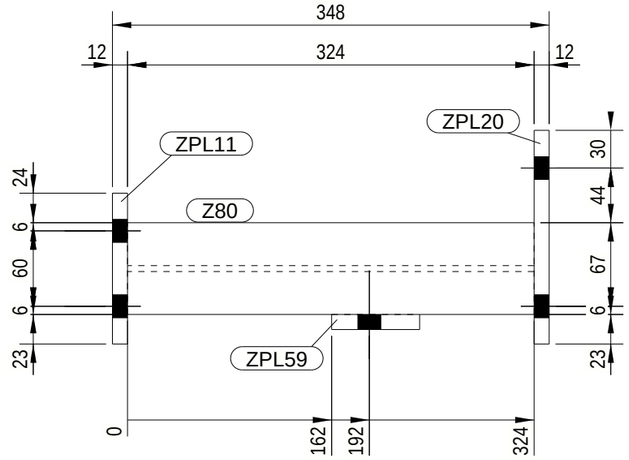

ASSEMBLYCODE	QTY
ZOE65 @ 1.2-2/A2	1
ZOE65 @ 2.1-3/A2	1
ZOE65 @ 2/A2	1
ZOE65 @ 3.1-4/A2	1
ZOE65 @ 3/A2	1
ZOE65 @ 4.1-5/A2	1
ZOE65 @ 4/A2	1
ZOE65 @ 5.1-6/A2	1
ZOE65 @ 5/A2	1
ZOE65 @ 6.1-7/A2	1
ZOE65 @ 6/A2	1
ZOE65 @ 7/A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE65 — 12 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z80	IPE140	S355J0	1	324	0.2	4.2
ZPL11	PL12*120	S355J0	1	128	0.0	1.4
ZPL20	PL12*170	S355J0	1	128	0.1	2.0
ZPL59	PL12*70	S355J0	1	128	0.0	0.8
				Total	0.3 m²	8.5 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE65	REV. -	A3

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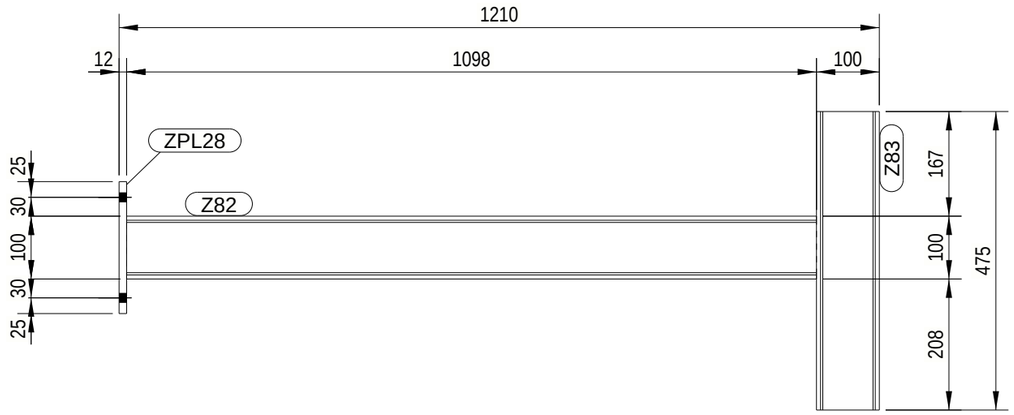

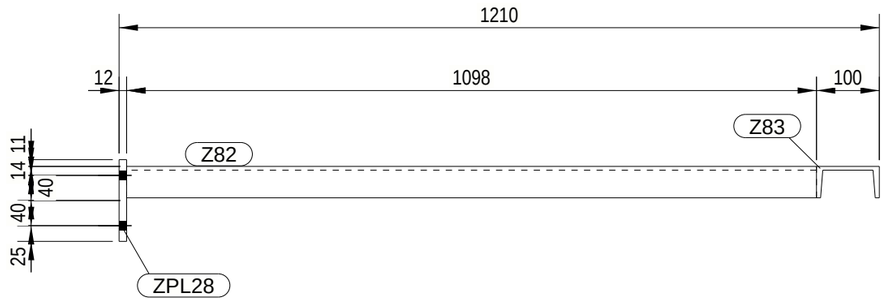

ASSEMBLYCODE	QTY
ZOE66 @ 1-1.2/A1	1
ZOE66 @ 2-2.1/A1	1
ZOE66 @ 3-3.1/A1	1
ZOE66 @ 4-4.1/A1	1
ZOE66 @ 5-5.1/A1	1
ZOE66 @ 6-6.1/A1	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE66 — 6 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z82	UNP100	S355J0	1	1098	0.4	11.6
Z83	UNP100	S355J0	1	475	0.2	5.0
ZPL28	PL12*130	S355J0	1	210	0.1	2.6
				Total	0.6 m^2	19.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:10
DRAWING	ZOE66	REV. -	A3

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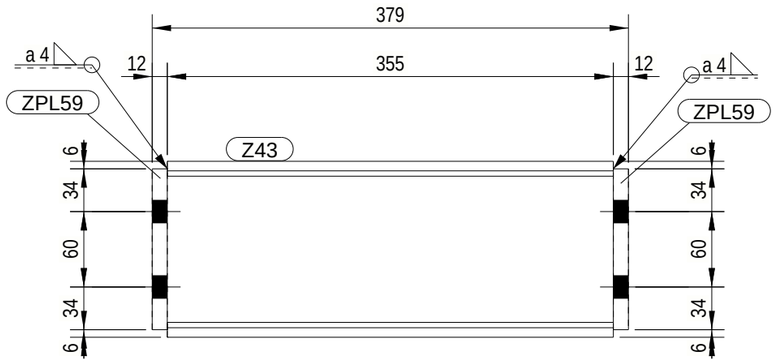

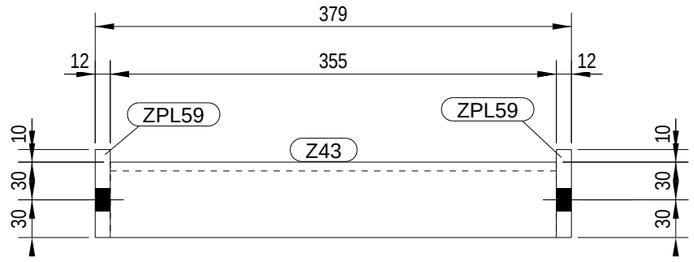

ASSEMBLYCODE	QTY
ZOE67 @ 1.2/A2	1
ZOE67 @ 2.1/A2	1
ZOE67 @ 4.1/A2	1
ZOE67 @ 5.1/A2	1
ZOE67 @ 6.1/A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE67 — 5 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z43	UNP140	S355J0	1	355	0.2	5.7
ZPL59	PL12*70	S355J0	2	128	0.0	1.7
				Total	0.2 m^2	7.4 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE67	REV. -	A3

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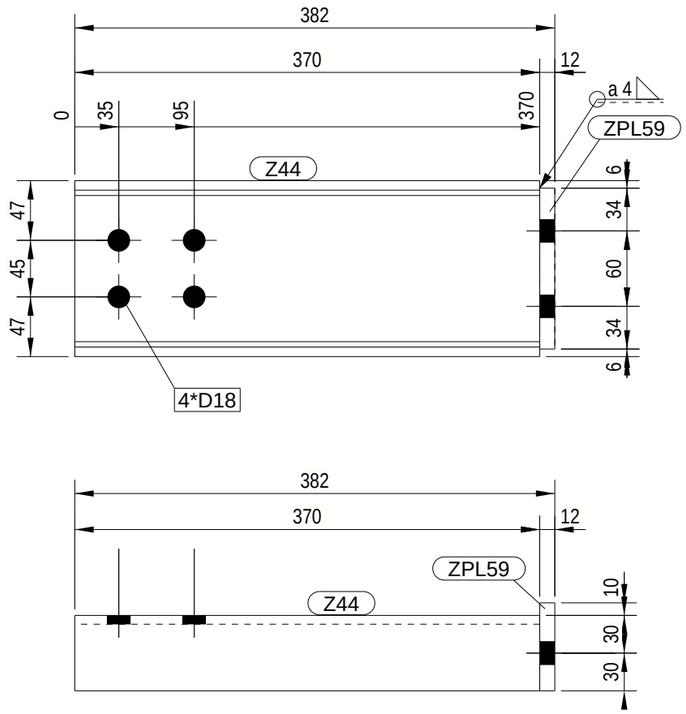

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE68 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z44	UNP140	S355J0	1	370	0.2	5.9
ZPL59	PL12*70	S355J0	1	128	0.0	0.8
				Total	0.2 m²	6.8 kg

ASSEMBLYCODE	QTY
ZOE68 @ 3.1/A2	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE68	REV. -	A3

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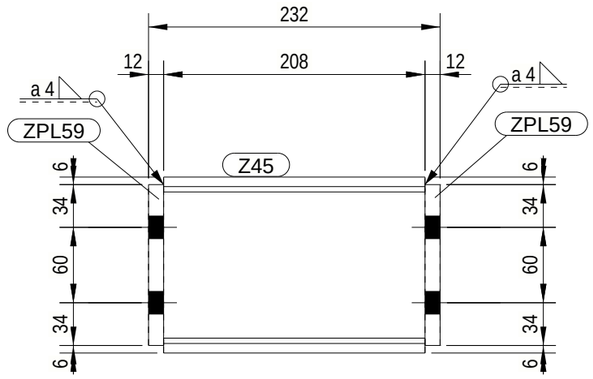

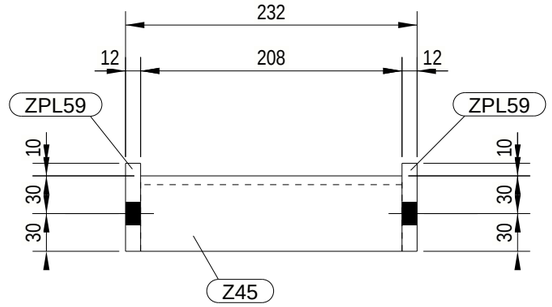

ASSEMBLYCODE	QTY
ZOE69 @ 2/A2	1
ZOE69 @ 3/A2	1
ZOE69 @ 4/A2	1
ZOE69 @ 5/A2	1
ZOE69 @ 6/A2	1
ZOE69 @ 7/A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE69 — 6 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z45	UNP140	S355J0	1	208	0.1	3.3
ZPL59	PL12*70	S355J0	2	128	0.0	1.7
				Total	0.1 m^2	5.0 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE69	REV. -	A3

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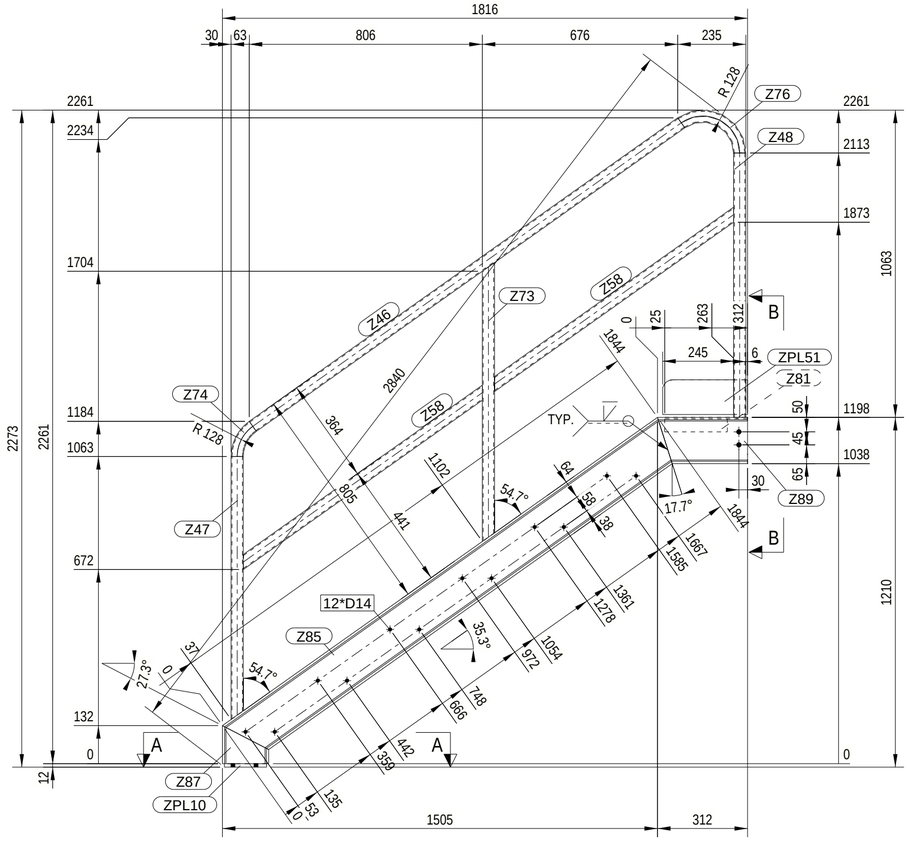
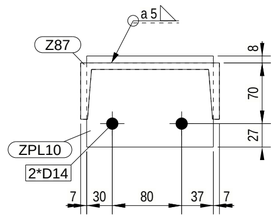
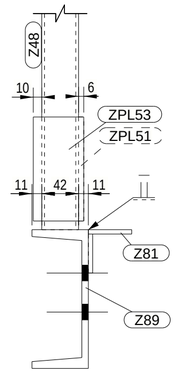
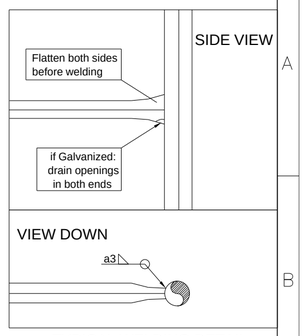




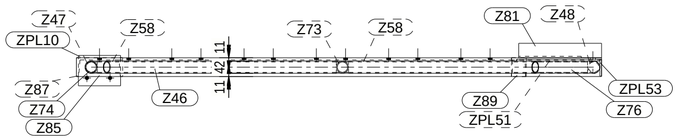
A - A
1:5



B - B
1:5



TYPICAL WELDING DETAIL



GENERAL NOTES:

HANDRAIL BENDING R=128, pipes center-line
UNMARKED WELDS a3 mm F.W. UNLESS NOTED

MATERIAL LIST FOR ONE ASSEMBLY MK'D ZOE70 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z46	CFCHS42.4*3.2	S355J2H	1	1816	0.2	5.6
Z47	CFCHS42.4*3.2	S355J2H	1	910	0.1	2.8
Z48	CFCHS42.4*3.2	S355J2H	1	915	0.1	2.8
Z58	CFCHS42.4*3.2	S355J2H	2	1043	0.3	6.5
Z73	CFCHS42.4*3.2	S355J2H	1	965	0.1	3.0
Z74	CFCHS42.4*3.2	S355J2H	1	122	0.0	0.4
Z76	CFCHS42.4*3.2	S355J2H	1	280	0.0	0.9
Z81	L50*50*5	S355J2	1	286	0.1	0.9
Z85	UNP160	S355J0	1	1844	1.0	34.7
Z87	UNP160	S355J0	1	132	0.1	2.5
Z89	UNP160	S355J0	1	312	0.2	5.9
ZPL10	PL12*105	S355J0	1	146	0.0	1.4
ZPL51	PL6*120	S355J2	1	287	0.1	1.6
ZPL53	PL6*120	S355J2	1	58	0.0	0.3
				Total	2.3 m^2	69.4 kg

ASSEMBLYCODE	QTY
ZOE70 @ 0-0.1/<A3	1

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5 1:15
DRAWING	ZOE70	REV.	-
			A2

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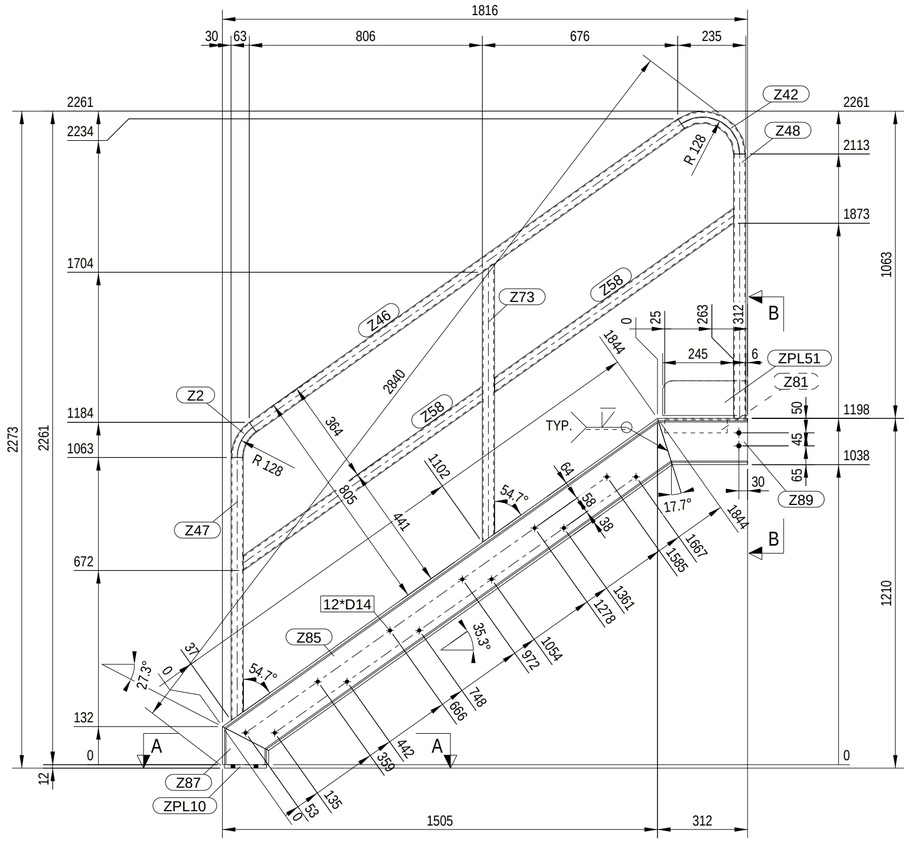
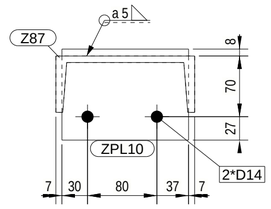
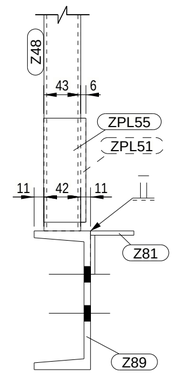
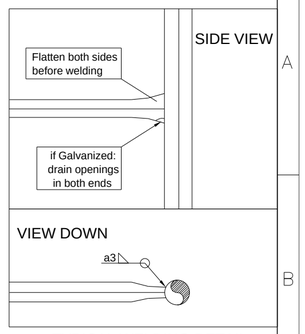




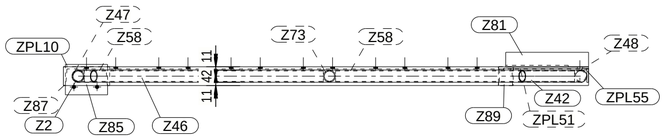
A - A
1:5



B - B
1:5



TYPICAL WELDING DETAIL



GENERAL NOTES:

HANDRAIL BENDING R=128, pipes center-line
UNMARKED WELDS a3 mm F.W. UNLESS NOTED

MATERIAL LIST FOR ONE ASSEMBLY MK'D — ZOE71 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z2	CFCHS42.4*3.2	S355J2H	1	122	0.0	0.4
Z42	CFCHS42.4*3.2	S355J2H	1	280	0.0	0.9
Z46	CFCHS42.4*3.2	S355J2H	1	1816	0.2	5.6
Z47	CFCHS42.4*3.2	S355J2H	1	910	0.1	2.8
Z48	CFCHS42.4*3.2	S355J2H	1	915	0.1	2.8
Z58	CFCHS42.4*3.2	S355J2H	2	1043	0.3	6.5
Z73	CFCHS42.4*3.2	S355J2H	1	965	0.1	3.0
Z81	L50*50*5	S355J2	1	286	0.1	0.9
Z85	UNP160	S355J0	1	1844	1.0	34.7
Z87	UNP160	S355J0	1	132	0.1	2.5
Z89	UNP160	S355J0	1	312	0.2	5.9
ZPL10	PL12*105	S355J0	1	146	0.0	1.4
ZPL51	PL6*120	S355J2	1	287	0.1	1.6
ZPL55	PL6*120	S355J2	1	49	0.0	0.3
				Total	2.3 m^2	69.3 kg

ASSEMBLYCODE	QTY
ZOE71 @ 7-8/<A3	1

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5 1:15
DRAWING	ZOE71	REV. -	A2

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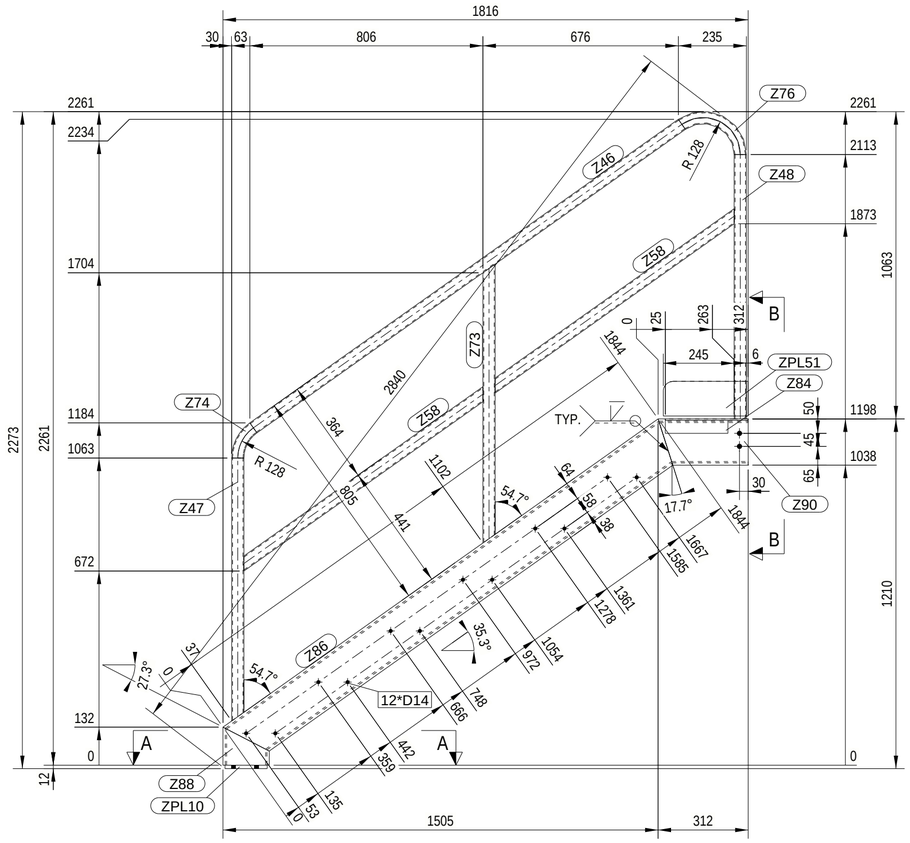
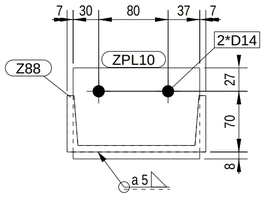
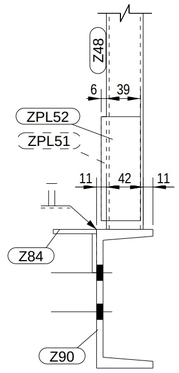
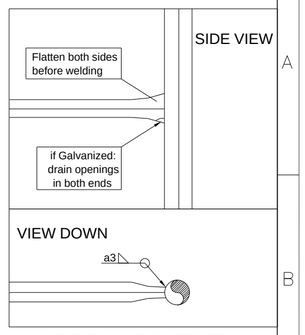




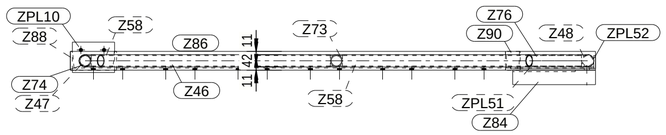
A - A
1:5



B - B
1:5



TYPICAL WELDING DETAIL



GENERAL NOTES:

HANDRAIL BENDING R=128, pipes center-line
UNMARKED WELDS a3 mm F.W. UNLESS NOTED

MATERIAL LIST FOR ONE ASSEMBLY MK'D — ZOE72 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z46	CFCHS42.4*3.2	S355J2H	1	1816	0.2	5.6
Z47	CFCHS42.4*3.2	S355J2H	1	910	0.1	2.8
Z48	CFCHS42.4*3.2	S355J2H	1	915	0.1	2.8
Z58	CFCHS42.4*3.2	S355J2H	2	1043	0.3	6.5
Z73	CFCHS42.4*3.2	S355J2H	1	965	0.1	3.0
Z74	CFCHS42.4*3.2	S355J2H	1	122	0.0	0.4
Z76	CFCHS42.4*3.2	S355J2H	1	280	0.0	0.9
Z84	L50*50*5	S355J2	1	286	0.1	0.9
Z86	UNP160	S355J0	1	1844	1.0	34.7
Z88	UNP160	S355J0	1	132	0.1	2.5
Z90	UNP160	S355J0	1	312	0.2	5.9
ZPL10	PL12*105	S355J0	1	146	0.0	1.4
ZPL51	PL6*120	S355J2	1	287	0.1	1.6
ZPL52	PL6*120	S355J2	1	45	0.0	0.3
				Total	2.3 m^2	69.3 kg

ASSEMBLYCODE	QTY
ZOE72 @ 0/<A3	1

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5 1:15
DRAWING	ZOE72	REV.	-

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A2

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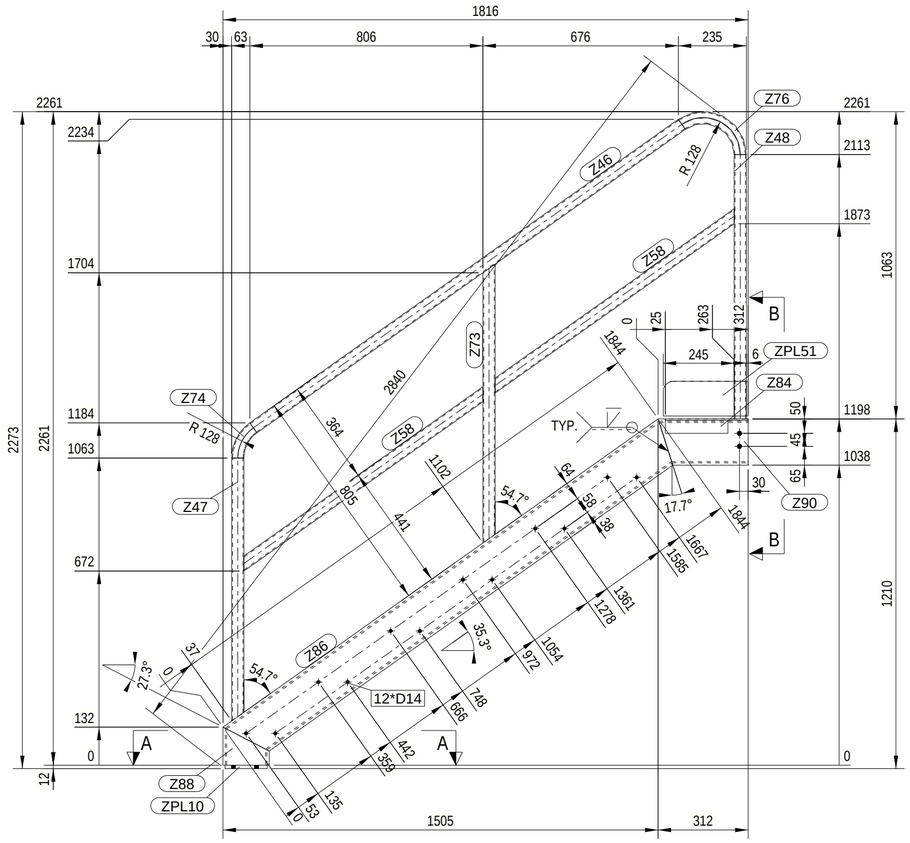
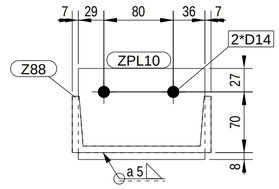
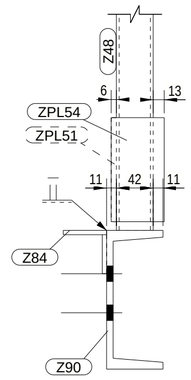
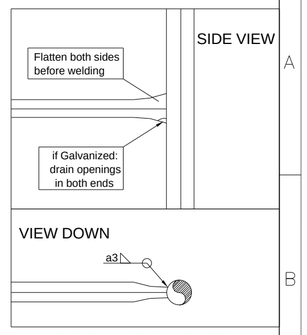




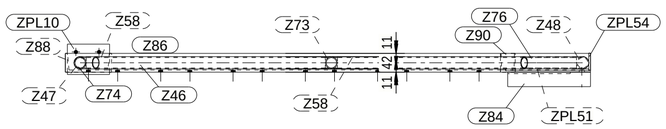
A - A
1:5



B - B
1:5



TYPICAL WELDING DETAIL



GENERAL NOTES:

HANDRAIL BENDING R=128, pipes center-line
UNMARKED WELDS a3 mm F.W. UNLESS NOTED

MATERIAL LIST FOR ONE ASSEMBLY MK'D — ZOE73 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z46	CFCHS42.4*3.2	S355J2H	1	1816	0.2	5.6
Z47	CFCHS42.4*3.2	S355J2H	1	910	0.1	2.8
Z48	CFCHS42.4*3.2	S355J2H	1	915	0.1	2.8
Z58	CFCHS42.4*3.2	S355J2H	2	1043	0.3	6.5
Z73	CFCHS42.4*3.2	S355J2H	1	965	0.1	3.0
Z74	CFCHS42.4*3.2	S355J2H	1	122	0.0	0.4
Z76	CFCHS42.4*3.2	S355J2H	1	280	0.0	0.9
Z84	L50*50*5	S355J2	1	286	0.1	0.9
Z86	UNP160	S355J0	1	1844	1.0	34.7
Z88	UNP160	S355J0	1	132	0.1	2.5
Z90	UNP160	S355J0	1	312	0.2	5.9
ZPL10	PL12*105	S355J0	1	146	0.0	1.4
ZPL51	PL6*120	S355J2	1	287	0.1	1.6
ZPL54	PL6*120	S355J2	1	61	0.0	0.3
				Total	2.4 m^2	69.4 kg

ASSEMBLYCODE	QTY
ZOE73 @ 7-8/<A3	1

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5 1:15
DRAWING	ZOE73	REV.	-
			A2

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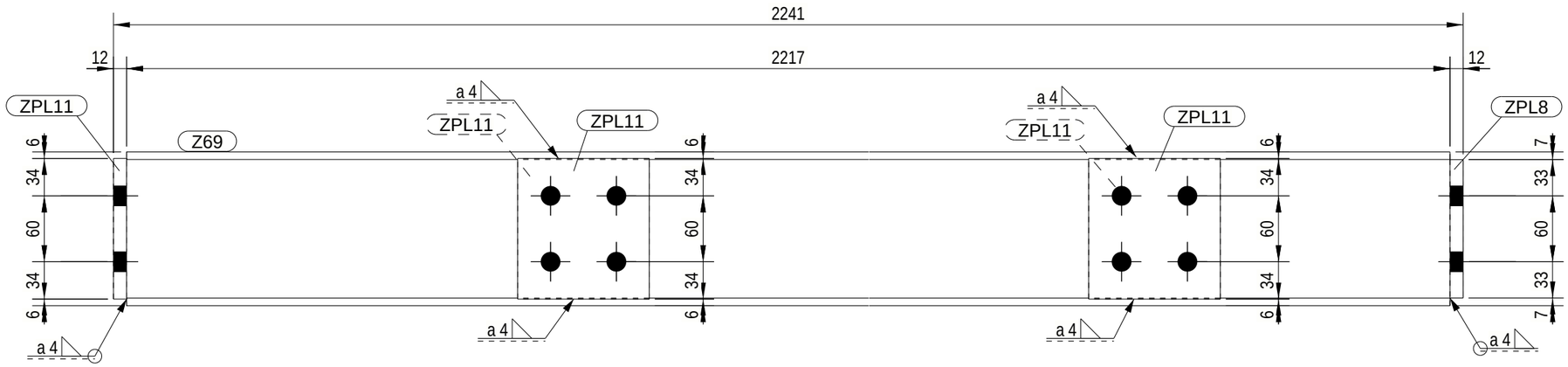

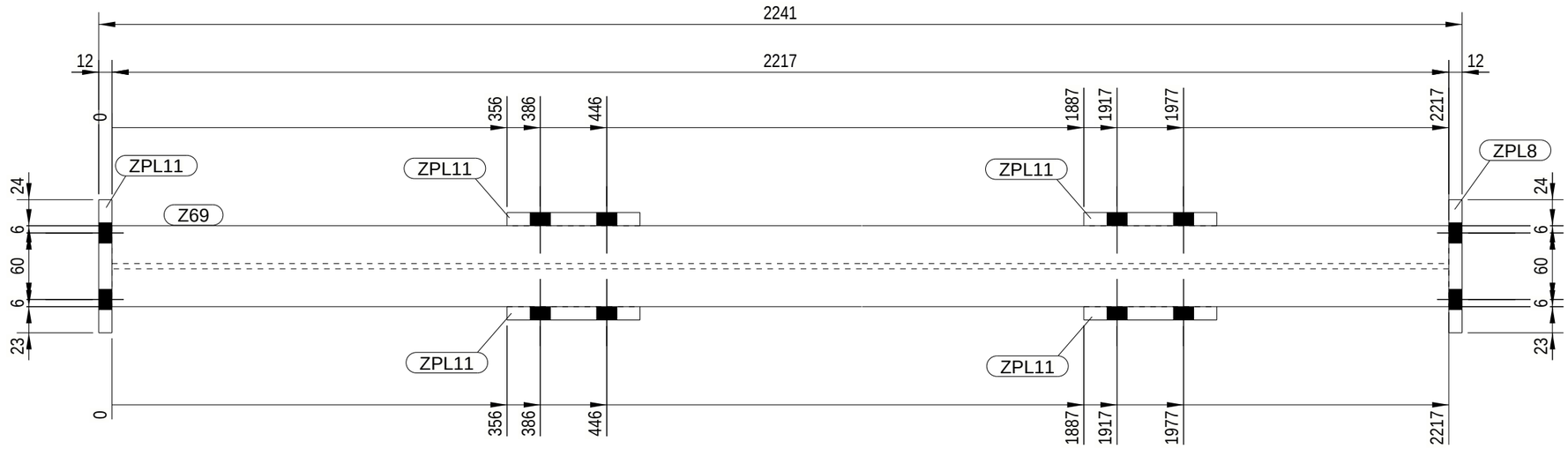

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE74 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z69	IPE140	S355J0	1	2217	1.2	28.5
ZPL8	PL12*120	S355J0	1	126	0.0	1.4
ZPL11	PL12*120	S355J0	5	128	0.2	7.2
				Total	1.4 m^2	37.2 kg

ASSEMBLYCODE	QTY
ZOE74 @ 4.1-5/A2	1

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE74	REV. -	A3

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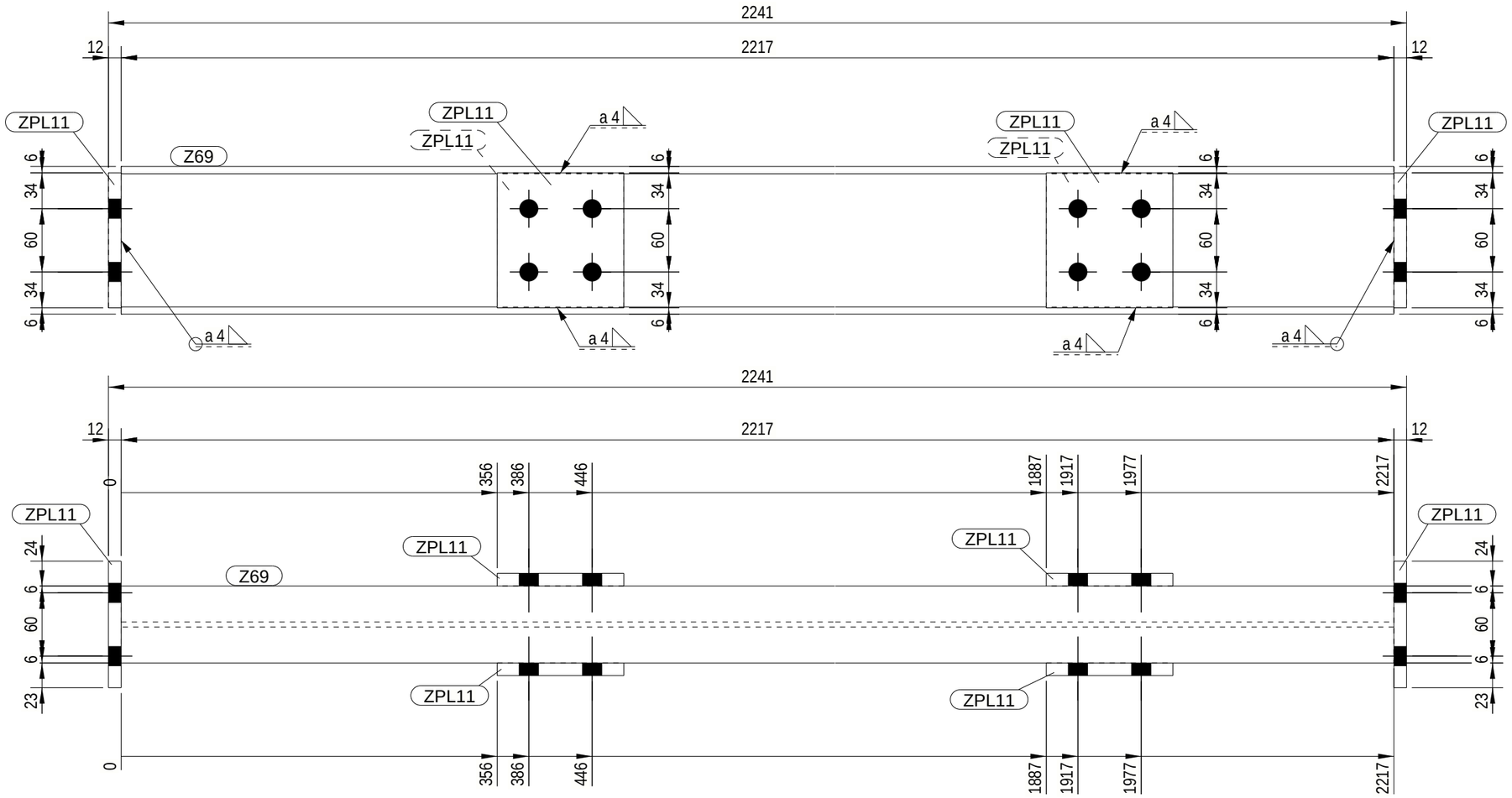

ASSEMBLYCODE	QTY
ZOE75 @ 1.2-2/A2	1
ZOE75 @ 2.1-3/A2	1
ZOE75 @ 5.1-6/A2	1

GENERAL NOTES: UNMARKED WELDS a5mm FILLET AROUND

MATERIAL LIST FOR ONE ASSEMBLY — ZOE75 — 3 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z69	IPE140	S355J0	1	2217	1.2	28.5
ZPL11	PL12*120	S355J0	6	128	0.2	8.7
				Total	1.4 m^2	37.2 kg

WÄRTSILÄ

OBJECT	FILTER PLATFORM		
TITLE	OUTAELEMENT	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:5
DRAWING	ZOE75	REV. -	A3

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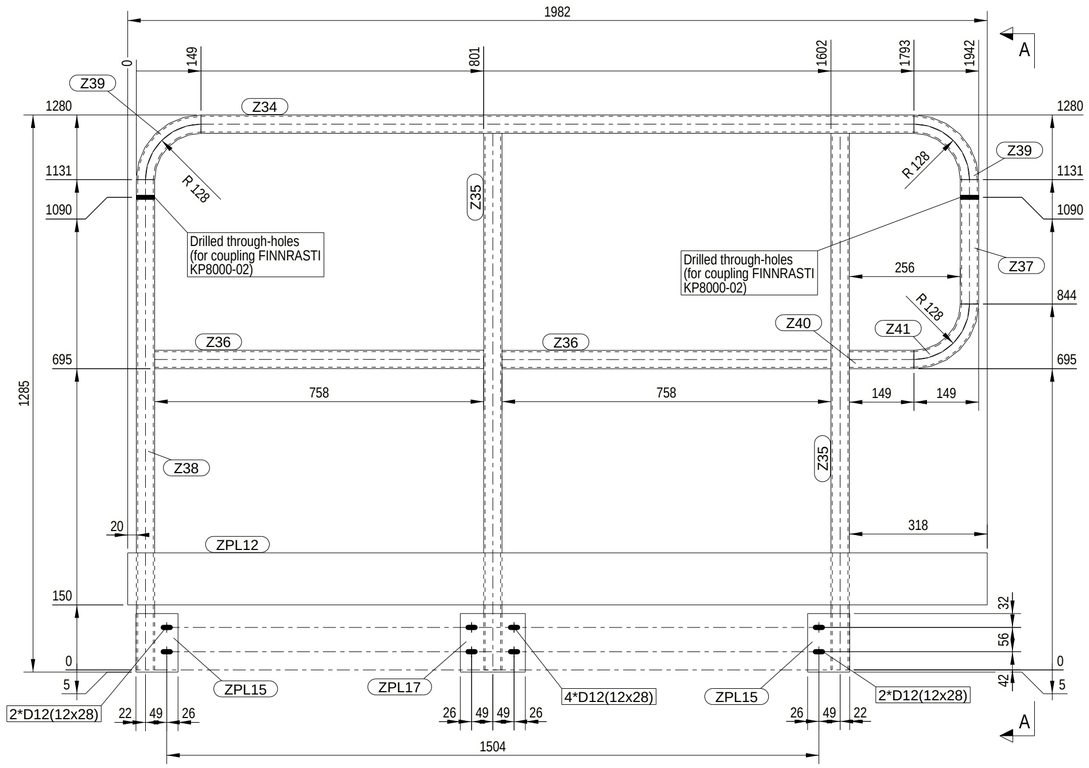
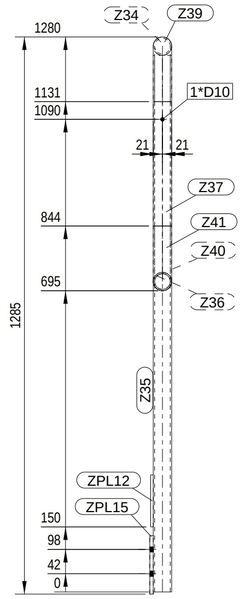
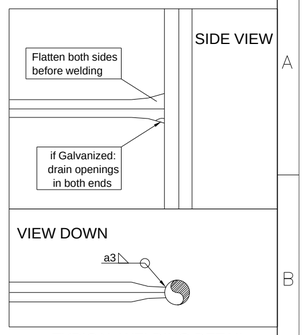
Confidential

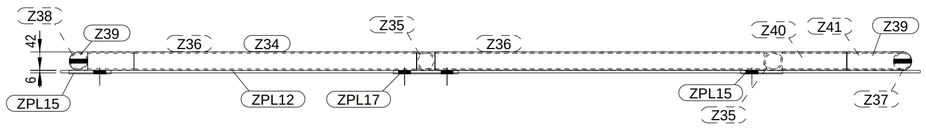




A - A
1:5



TYPICAL WELDING DETAIL



GENERAL NOTES:

HANDRAIL BENDING R=128, pipes center-line
UNMARKED WELDS a3 mm F.W. UNLESS NOTED

MATERIAL LIST FOR ONE ASSEMBLY MK'D — ZOH1 — 1 Total Pcs.

Mark	Size	Grade	Pcs.	Length	Area	Weight
Z34	CFCHS42.4*3.2	S355J2H	1	1644	0.2	5.1
Z35	CFCHS42.4*3.2	S355J2H	2	1238	0.3	7.7
Z36	CFCHS42.4*3.2	S355J2H	2	758	0.2	4.7
Z37	CFCHS42.4*3.2	S355J2H	1	287	0.0	0.9
Z38	CFCHS42.4*3.2	S355J2H	1	1131	0.1	3.5
Z39	CFCHS42.4*3.2	S355J2H	2	201	0.1	1.2
Z40	CFCHS42.4*3.2	S355J2H	1	149	0.0	0.5
Z41	CFCHS42.4*3.2	S355J2H	1	201	0.0	0.6
ZPL12	PL6*120	S355J2	1	1982	0.5	11.2
ZPL15	PL8*97	S355J2	2	135	0.1	1.6
ZPL17	PL8*150	S355J2	1	135	0.0	1.3
				Total	1.6 m²	38.3 kg

ASSEMBLYCODE	QTY
ZOH1 @ 3.1-4/A3	1

OBJECT	FILTER PLATFORM		
TITLE	OUTAHANDRAIL	PROJ. ID.	P/23055
DATE	03.10.2024	PROJECT	AMAALA UTILITIES PPP PROJECT
MADE	Tejas Patil	SCALE	1:10 1:10
DRAWING	ZOH1	REV. -	A2

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