



**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

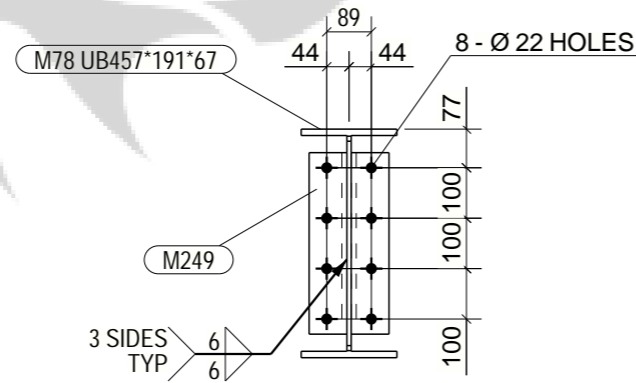
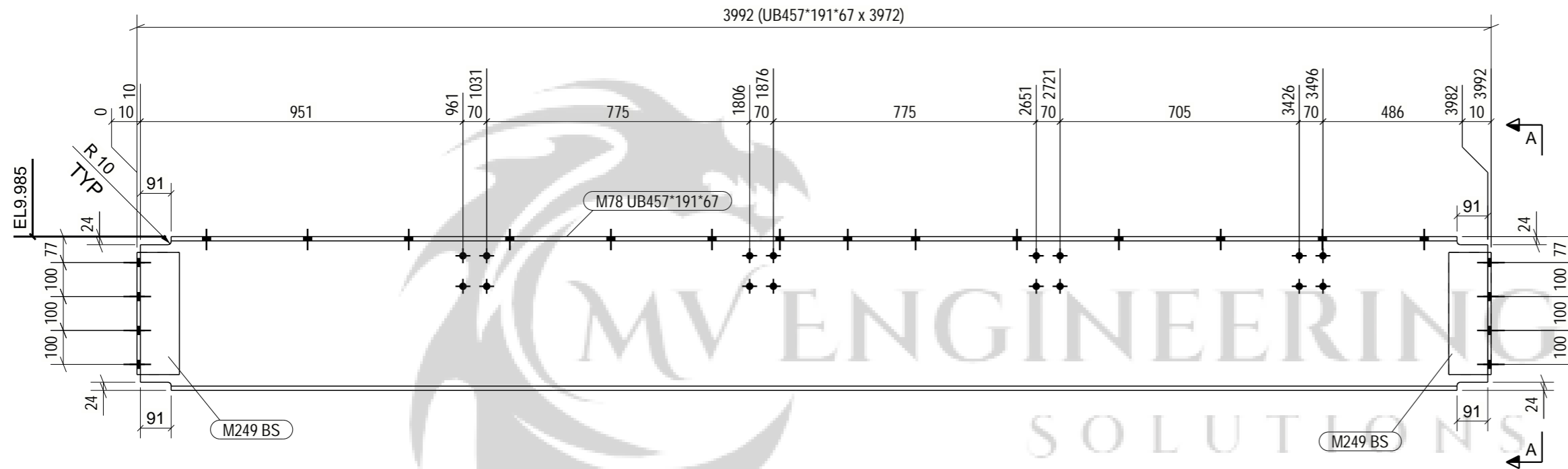
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M78	UB457*191*67	S355-JR	1	3972	6.419	256.7
M249	RSA125*75*10	S355-JR	4	360	0.591	21.5
<b>Total</b>					<b>7.010</b>	<b>278.1</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



**SECTION A - A**  
1:15

**MASS EACH = (APPROX)**

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

**TOLERANCES**

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B2**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.2]	A

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M2	UB457*191*67	S355-JR	1	4468	7.386	296.7
P48	FLT12*180	S275-JR	1	441	0.174	7.5
P49	PLT12*170	S275-JR	1	441	0.165	7.1
P168	PLT12*181.1	S275-JR	1	365	0.138	5.9
<b>Total</b>					<b>7.863</b>	<b>317.2</b>

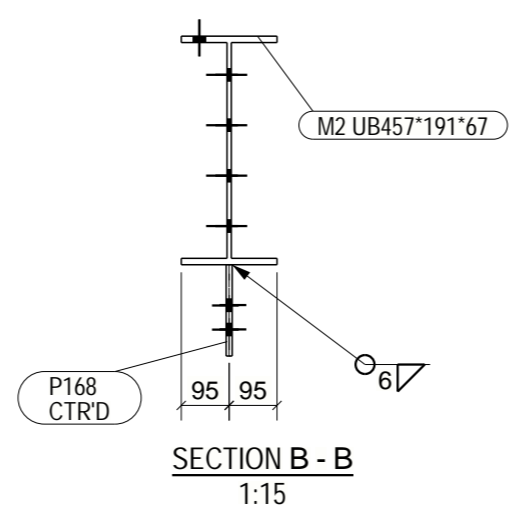
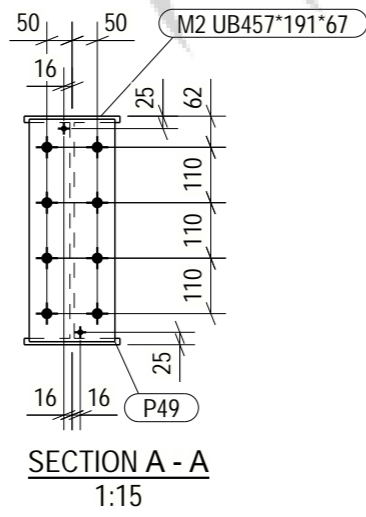
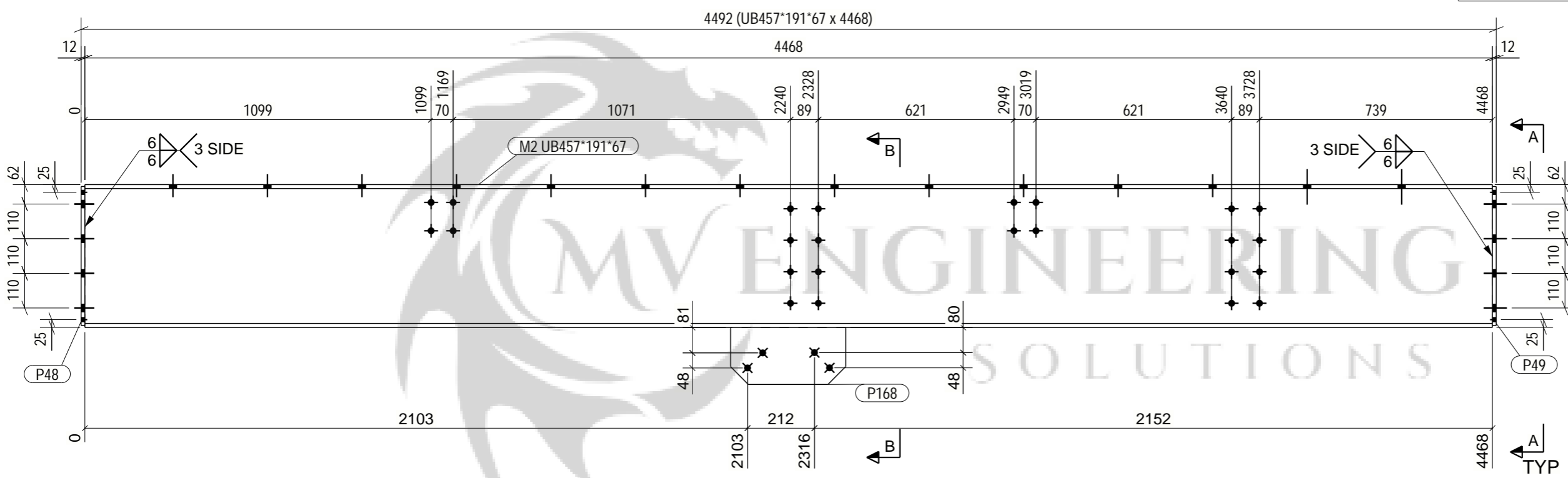
**GENERAL NOTES**

All Holes to be **22 Dia UNO** Slot hole length is to outside  
All Welds to be **6 FW. UNO**

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT **0** QTY **1**  
PHASE **1** QTY **1**



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B3

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

CONTRACT NO: 1001      DRAWING NO: [B.3]      REV: A

Tekla Structures

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

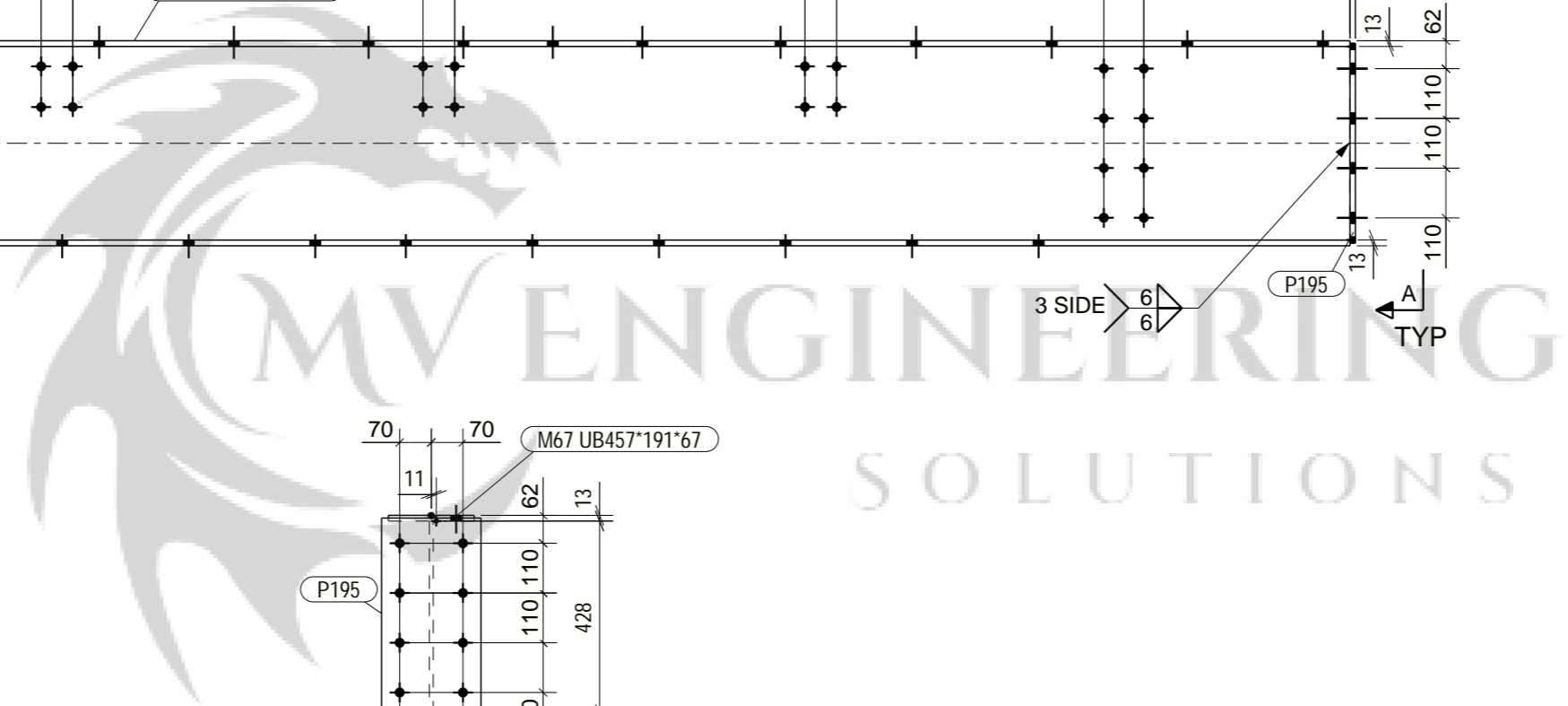
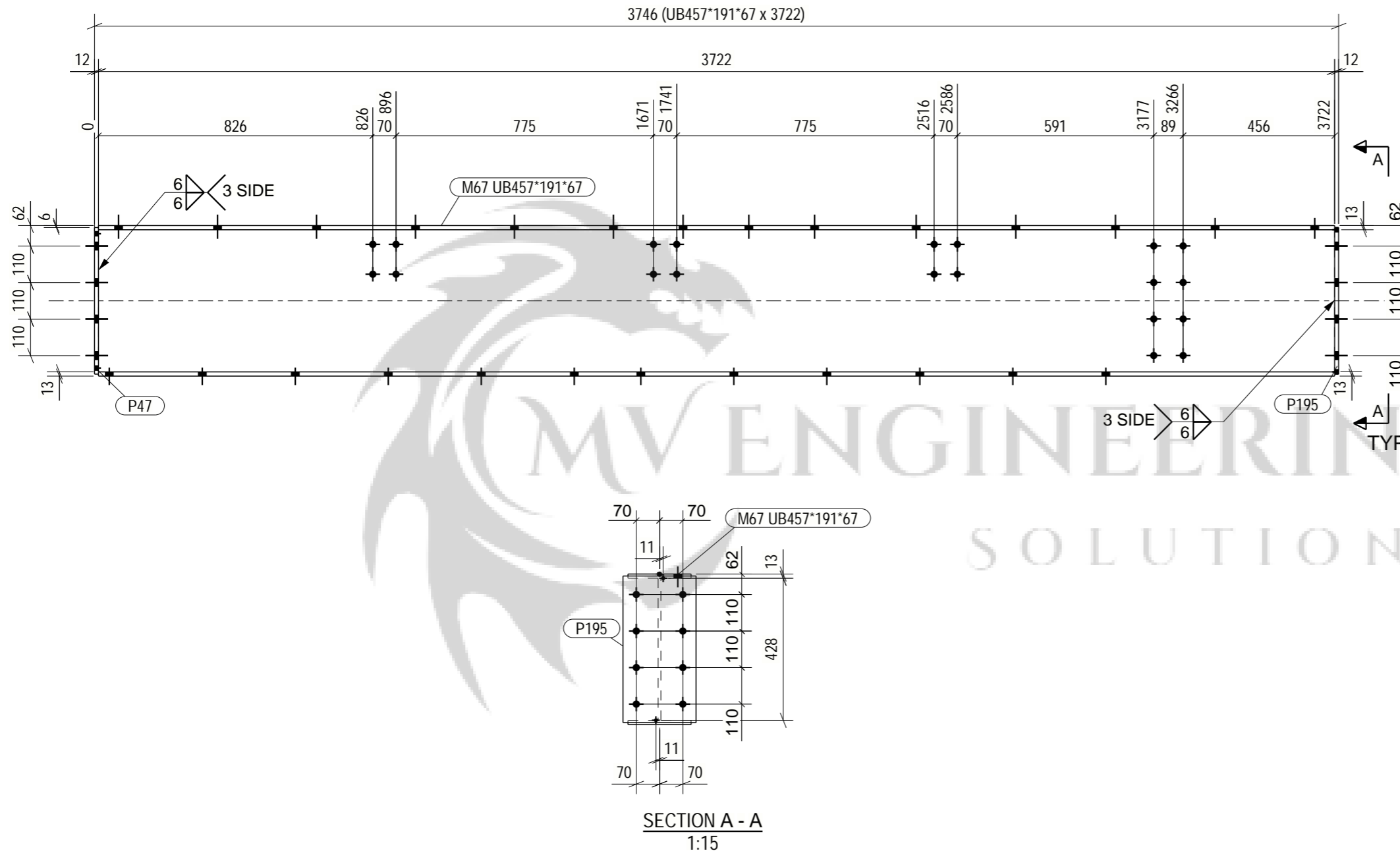
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M67	UB457*191*67	S355-JR	1	3722	6.156	247.2
P47	FLT12*220	S275-JR	1	441	0.210	9.1
P195	FLT12*220	S275-JR	1	441	0.210	9.1
<b>Total</b>					6.576	265.5

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

**MASS EACH = (APPROX)**

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

**TOLERANCES**

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B4**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

<b>CONTRACT NO:</b> 1001	<b>DRAWING NO:</b> [B.4]	<b>REV:</b> A
-----------------------------	-----------------------------	------------------

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

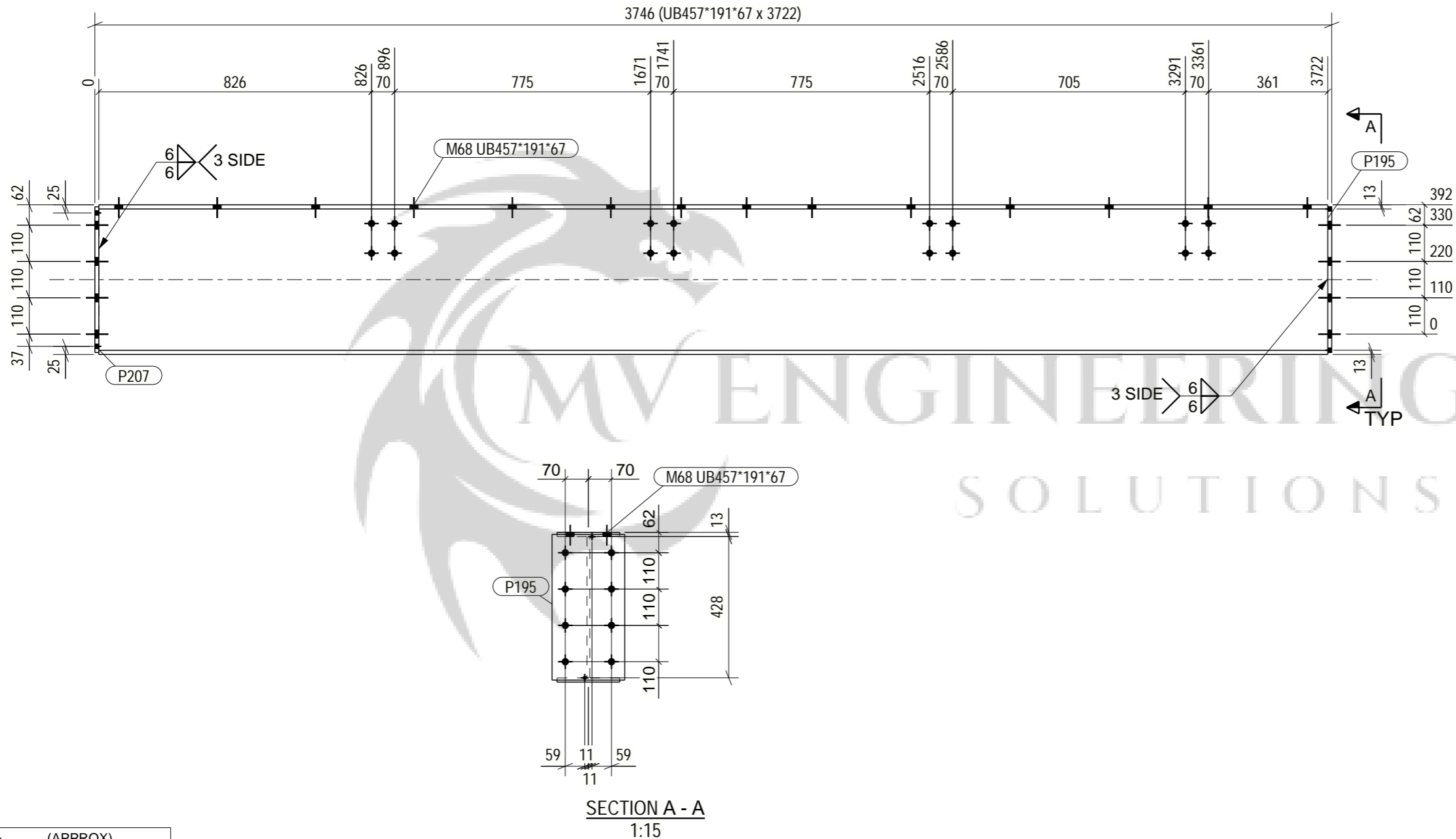
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M68	UB457*191*67	S355-JR	1	3722	6.156	247.2
P195	FLT12*220	S275-JR	1	441	0.210	9.1
P207	FLT12*220	S275-JR	1	441	0.210	9.1
<b>Total</b>					6.576	265.5

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL -TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B5

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.5]	A

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

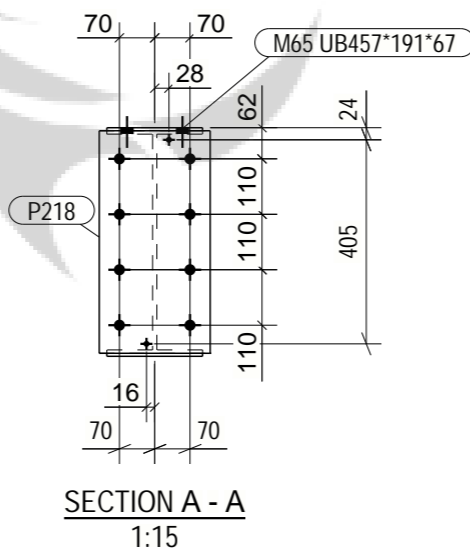
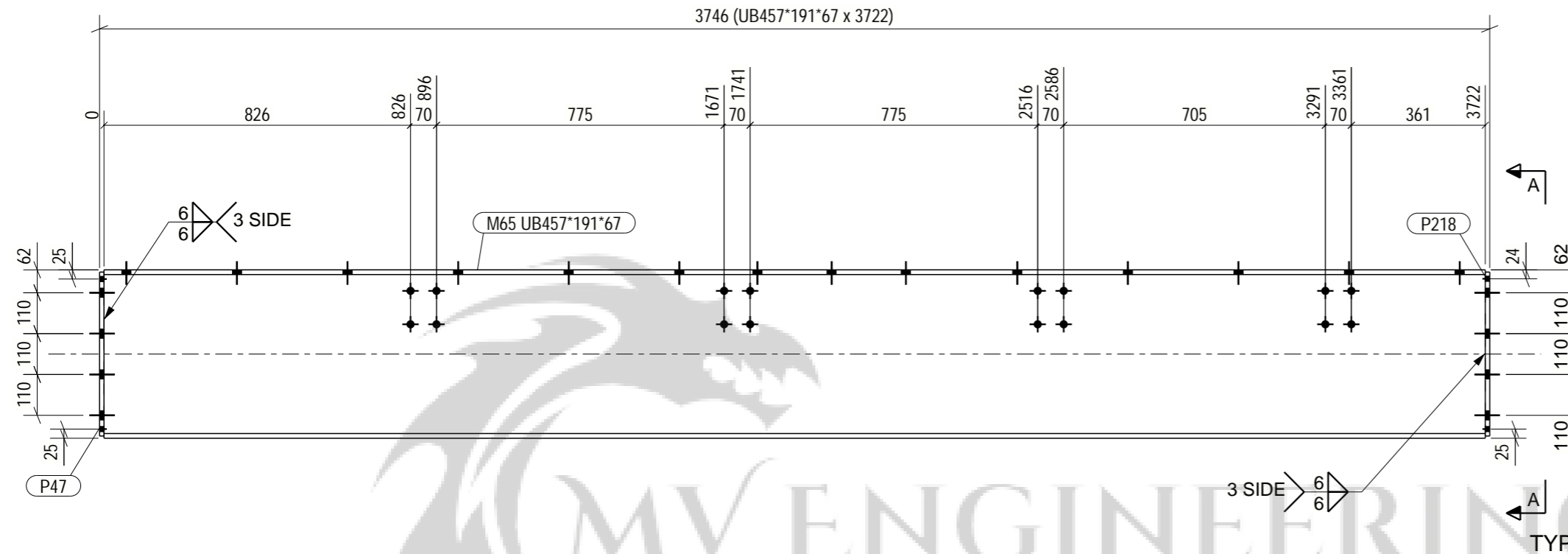
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M65	UB457*191*67	S355-JR	1	3722	6.156	247.2
P47	FLT12*220	S275-JR	1	441	0.210	9.1
P218	FLT12*220	S275-JR	1	441	0.210	9.1
				<b>Total</b>	6.576	265.5

**GENERAL NOTES**

All Holes to be **22 Dia UNO** Slot hole length is to outside  
 All Welds to be **6 FW. UNO**

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



MV ENGINEERING SOLUTIONS

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B6

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.6]	A

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M8	UB457*191*67	S355-JR	1	22700	37.458	1507.8
P65	FLT50*50	S275-JR	1	11026	2.210	216.4
P66	FLT50*50	S275-JR	1	11272	2.259	221.2
<b>Total</b>					<b>41.928</b>	<b>1945.4</b>

**GENERAL NOTES**

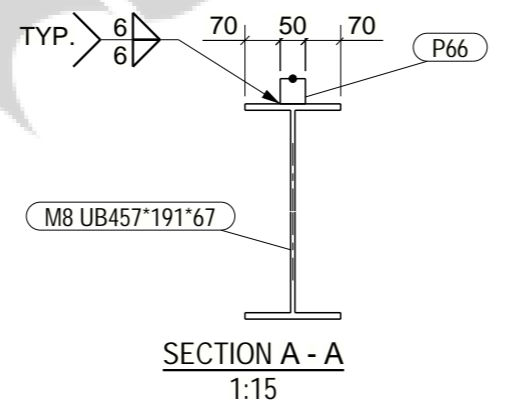
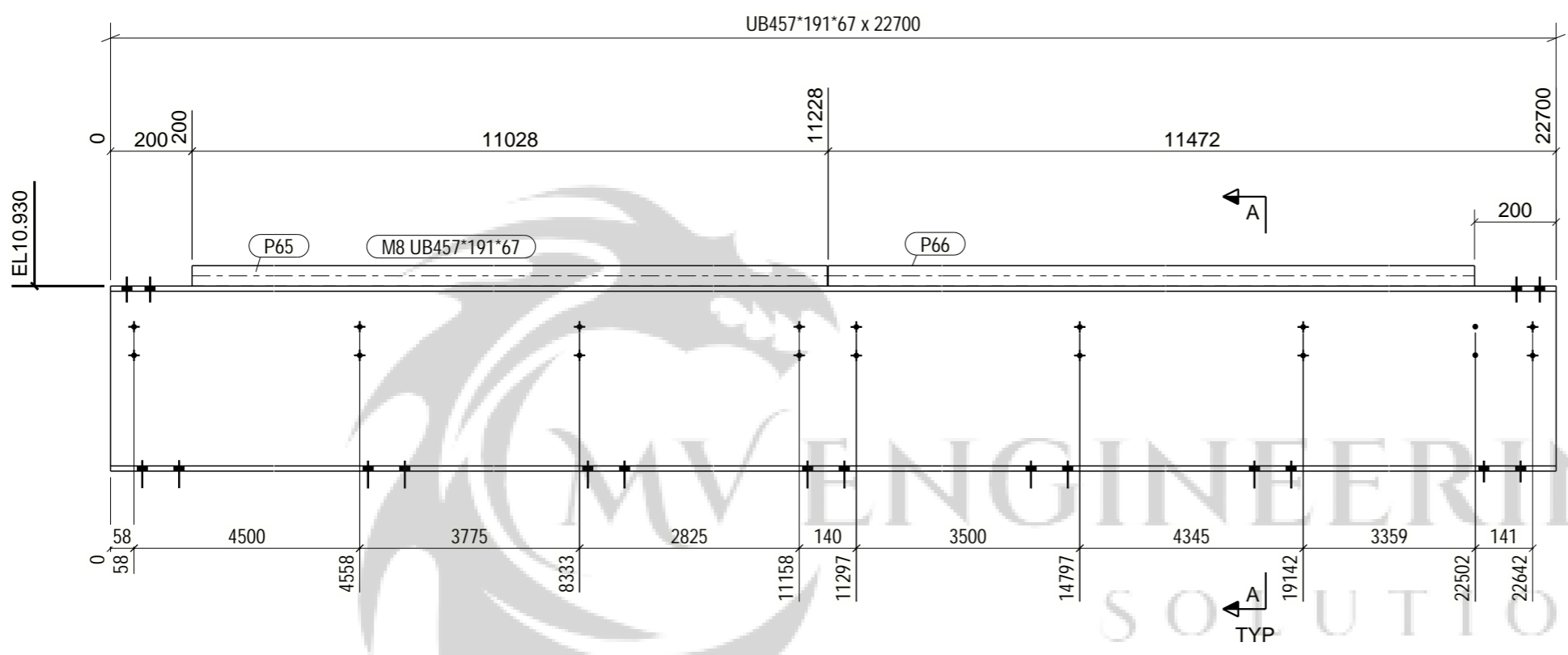
All Holes to be **22** Dia UNO      Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B7

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
		By	Date	By	Date	By	Date
A		NW	22.11.2022	GSG	22.11.2022		

CONTRACT NO: 1001      DRAWING NO: [B.7]      REV: A

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M9	UB203*133*25	S355-JR	1	2267	2.056	54.4
P198	FLT12*140	S275-JR	1	176	0.057	2.3
P209	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	2.169	59.1

**GENERAL NOTES**

All Holes to be **22** Dia UNO      Slot hole length is to outside

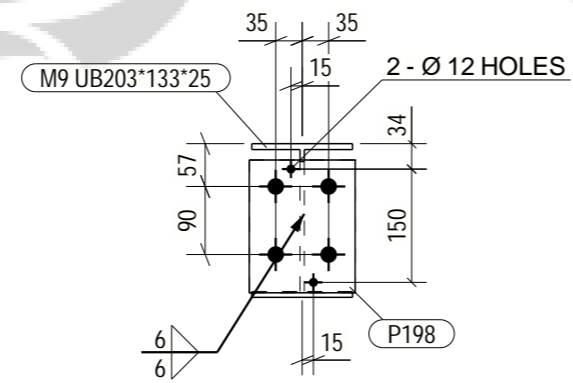
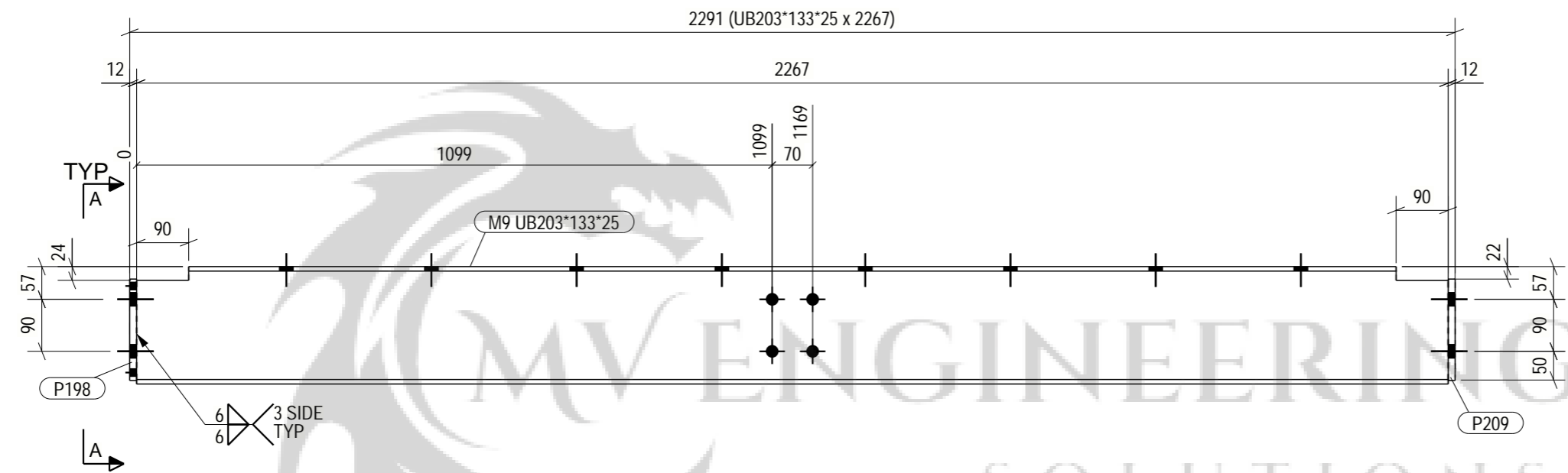
All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT      **0**      QTY      **1**

PHASE      **1**      QTY      **1**



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B8

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

CONTRACT NO: 1001      DRAWING NO: [B.8]      REV: A

Tekla Structures



**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

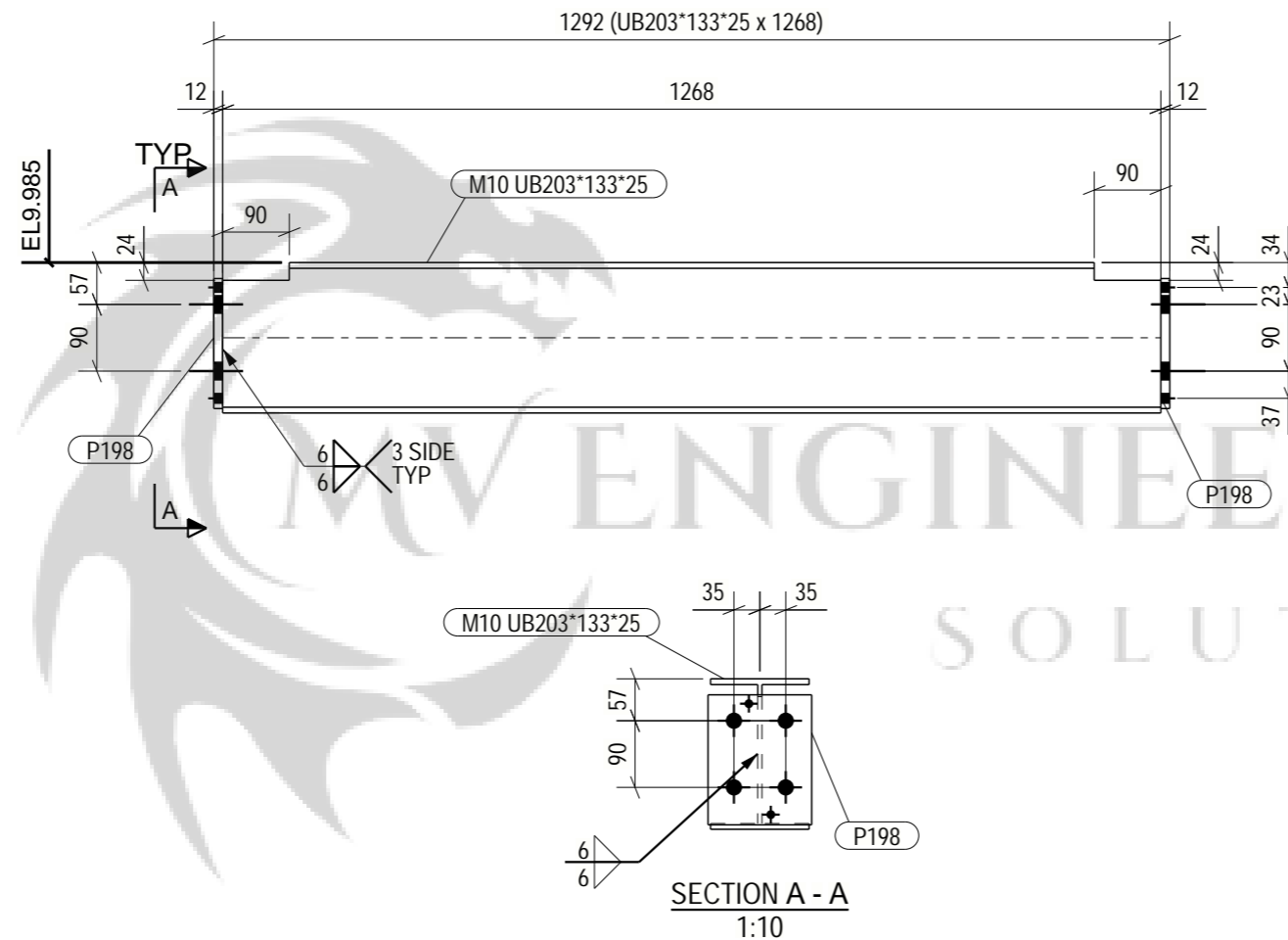
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M10	UB203*133*25	S355-JR	1	1268	1.128	29.7
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					1.241	34.3

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>9</b>
PHASE	<b>1</b>	QTY <b>9</b>



9 No. BEAM

REQUIRED AS DRAWN MARKED B9

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

ASSEMBLY / SUB ASSEMBLY STATUS	
9	THIS IS IT'S OWN ASSEMBLY

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.9]	A

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

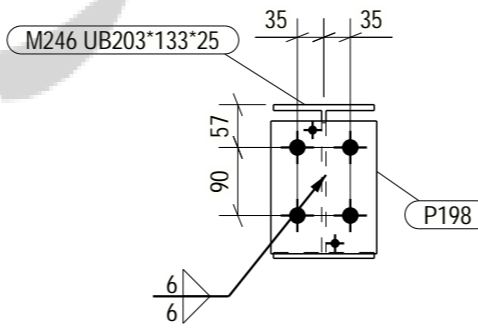
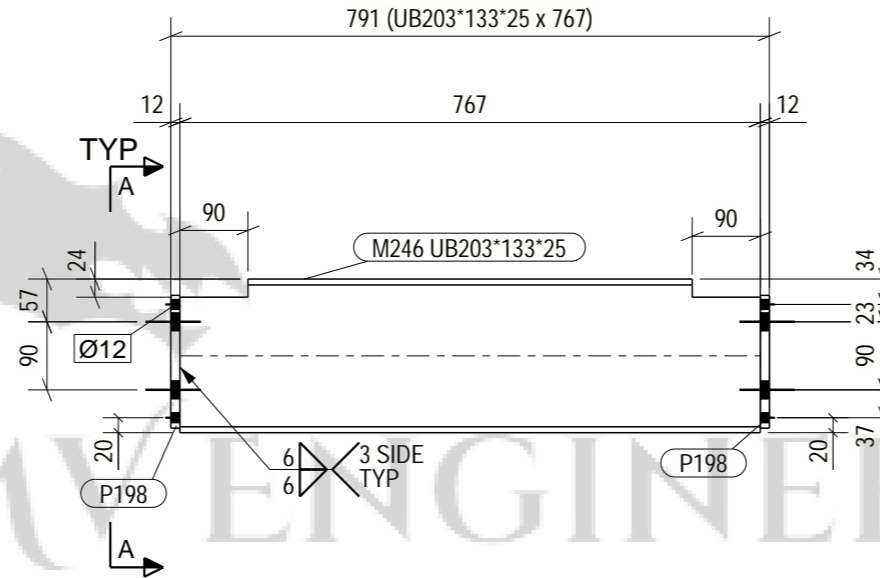
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M246	UB203*133*25	S355-JR	1	767	0.664	17.4
P198	FLT12*140	S275-JR	2	176	0.113	4.6
				<b>Total</b>	0.777	22.0

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



**SECTION A - A**  
1:10

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE  
 ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B10**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

CONTRACT NO:	DRAWING NO:	REV:
1001	[B.10]	A

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M203	UB457*191*67	S355-JR	1	330	0.561	21.9
P149	PLT15*210	S275-JR	1	750	0.344	18.5
P150	FLT15*300	S275-JR	1	299	0.119	6.1
P155	FLT10*90	S275-JR	2	425	0.171	5.9
<b>Total</b>					1.194	52.5

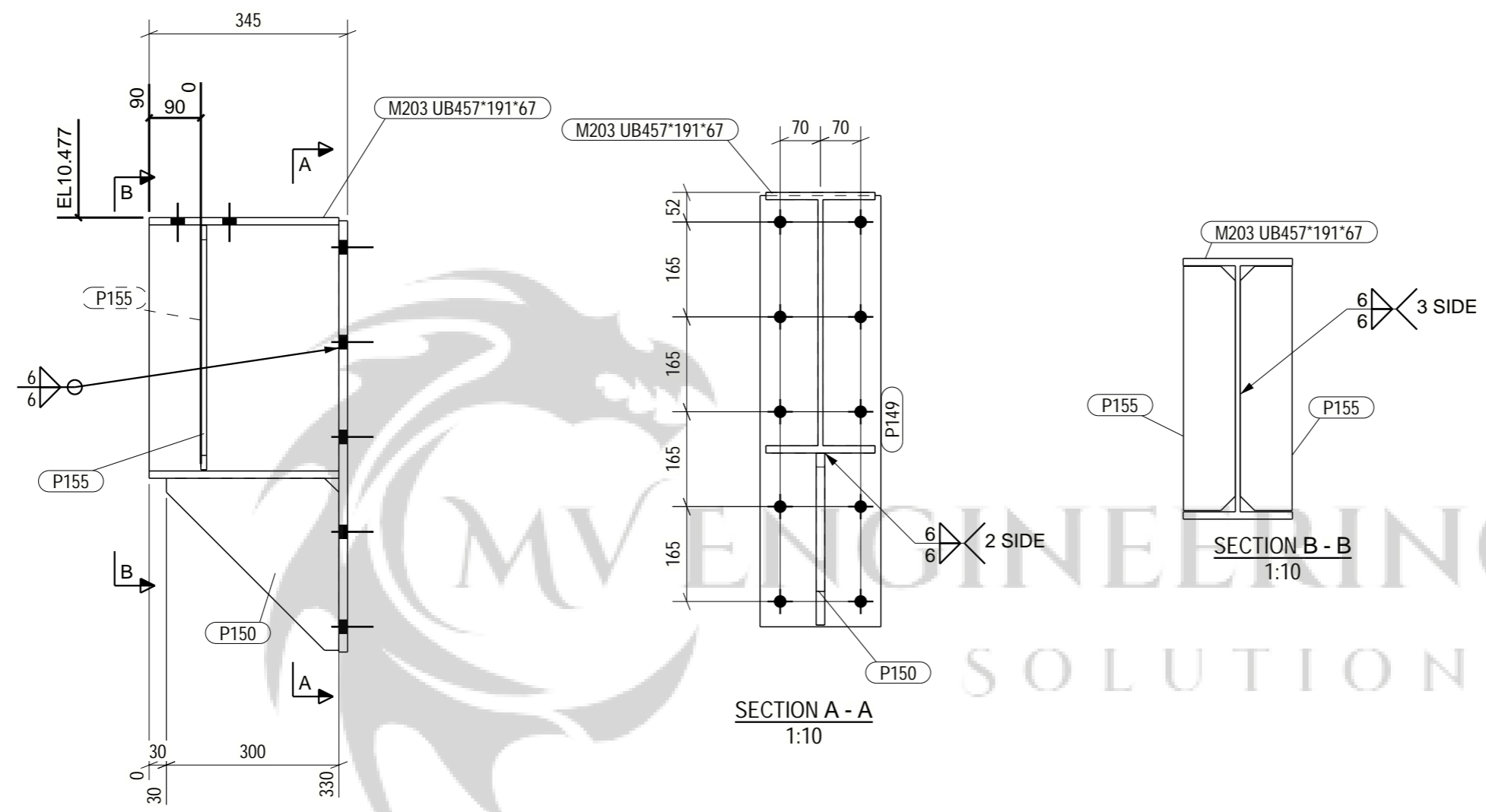
**GENERAL NOTES**

All Holes to be **22 Dia UNO** Slot hole length is to outside  
All Welds to be **6 FW. UNO**

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM REQUIRED AS DRAWN MARKED B11**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

ISSUED FOR APPROVAL					
REV	DESCRIPTION	By	Date	By	Date
A		NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

**CONTRACT NO:** 1001      **DRAWING NO:** [B.11]      **REV:** A

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M13	UB203*133*25	S355-JR	1	1268	1.128	29.7
P198	FLT12*140	S275-JR	1	176	0.057	2.3
P208	FLT12*150	S275-JR	1	181	0.062	2.6
				<b>Total</b>	1.247	34.6

**GENERAL NOTES**

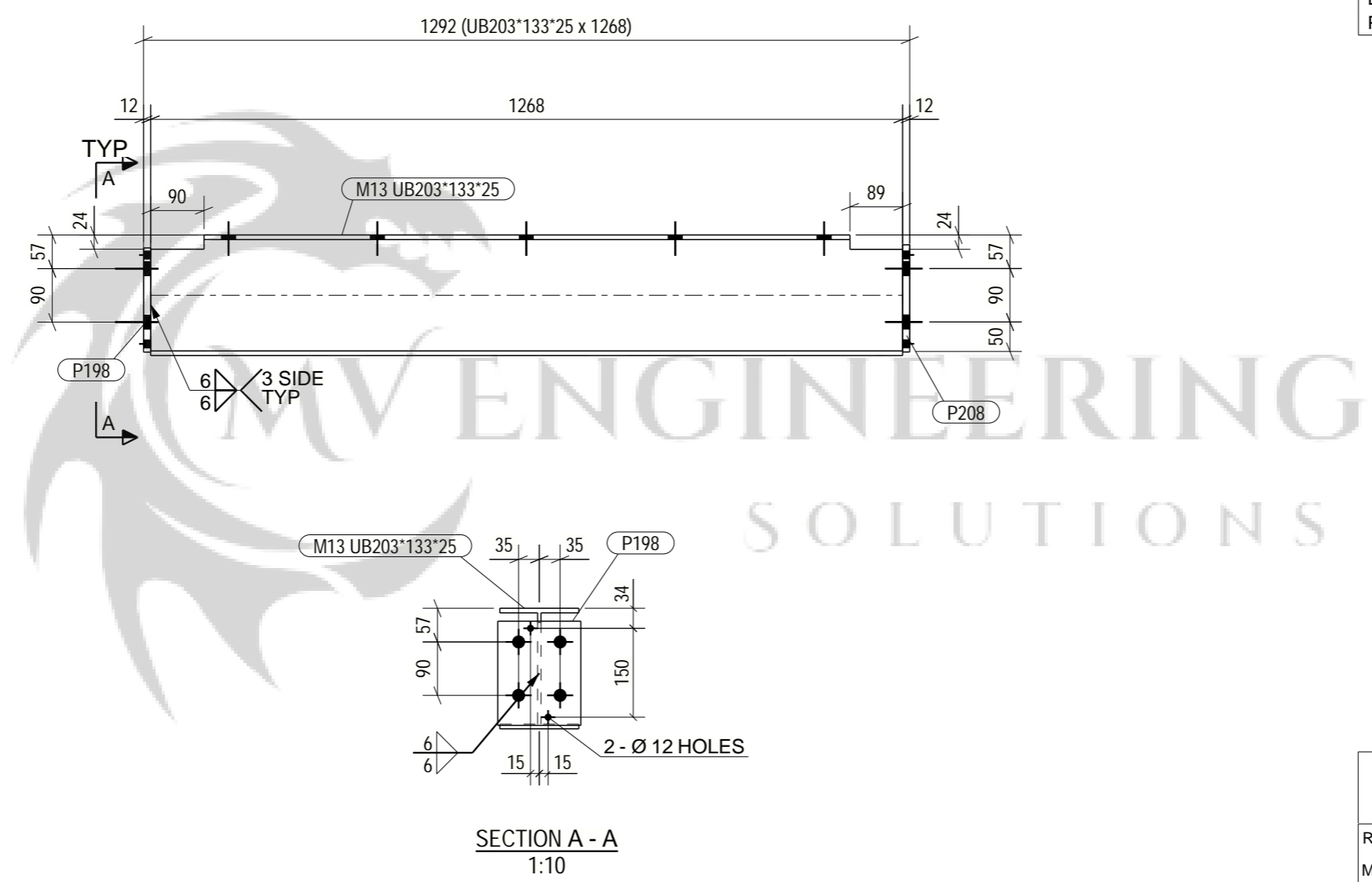
All Holes to be **22** Dia UNO Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B12

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

CONTRACT NO: 1001      DRAWING NO: [B.12]      REV: A

Tekla Structures

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

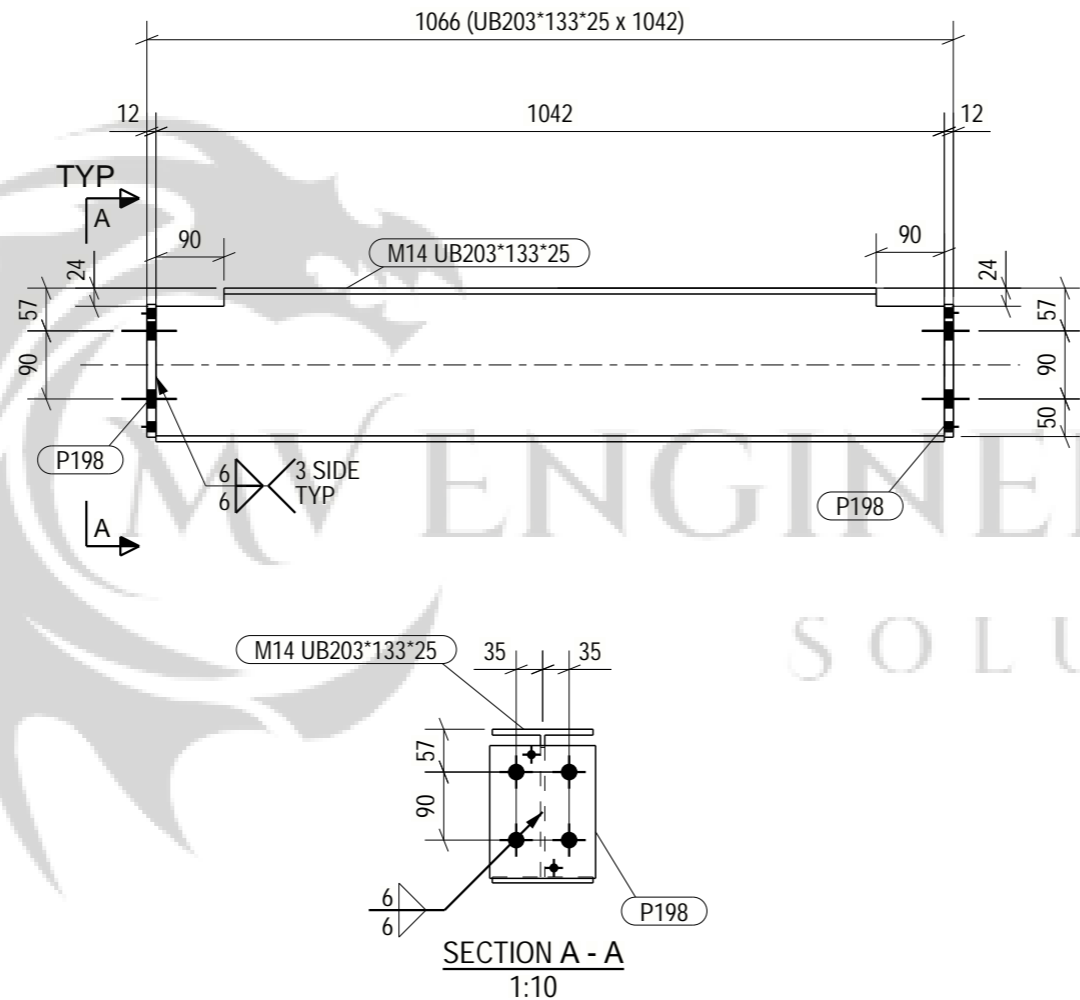
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M14	UB203*133*25	S355-JR	1	1042	0.919	24.2
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					1.032	28.8

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B13**

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

SURGE BIN

CONTRACT NO: 1001      DRAWING NO: [B.13]      REV: A

Tekla Structures



SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M3	UB457*191*67	S355-JR	1	3742	6.190	248.6
P205	PLT12*170	S275-JR	1	441	0.165	7.1
P220	PLT12*170	S275-JR	1	441	0.165	7.1
				<b>Total</b>	6.519	262.7

**GENERAL NOTES**

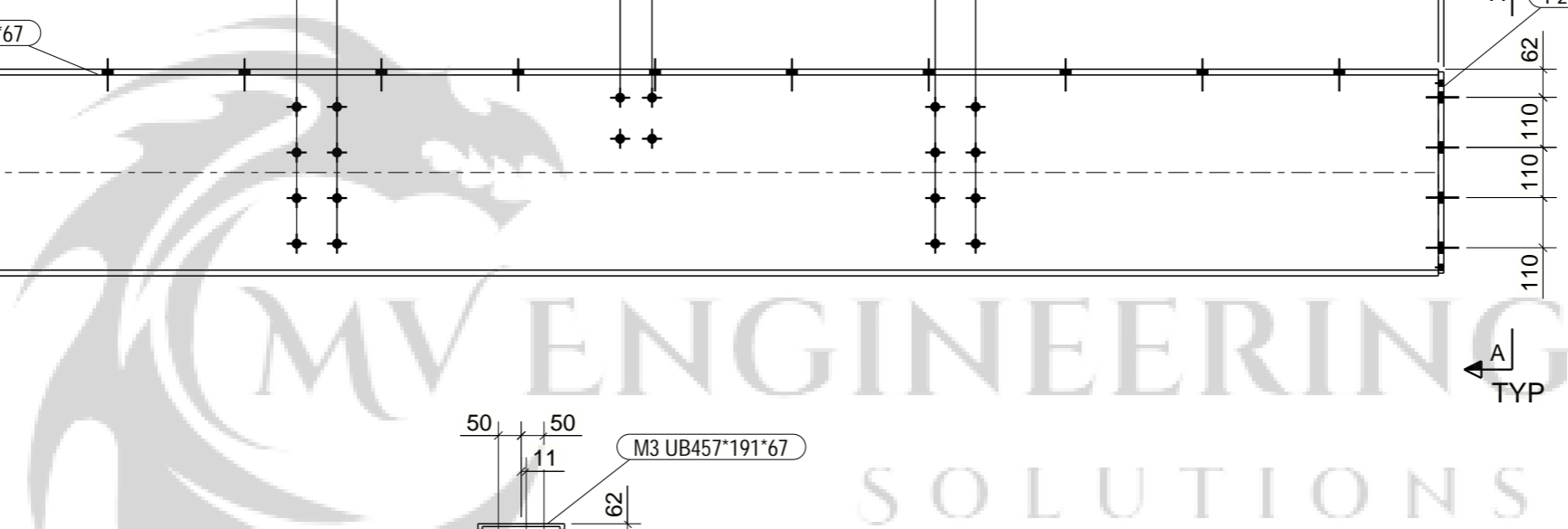
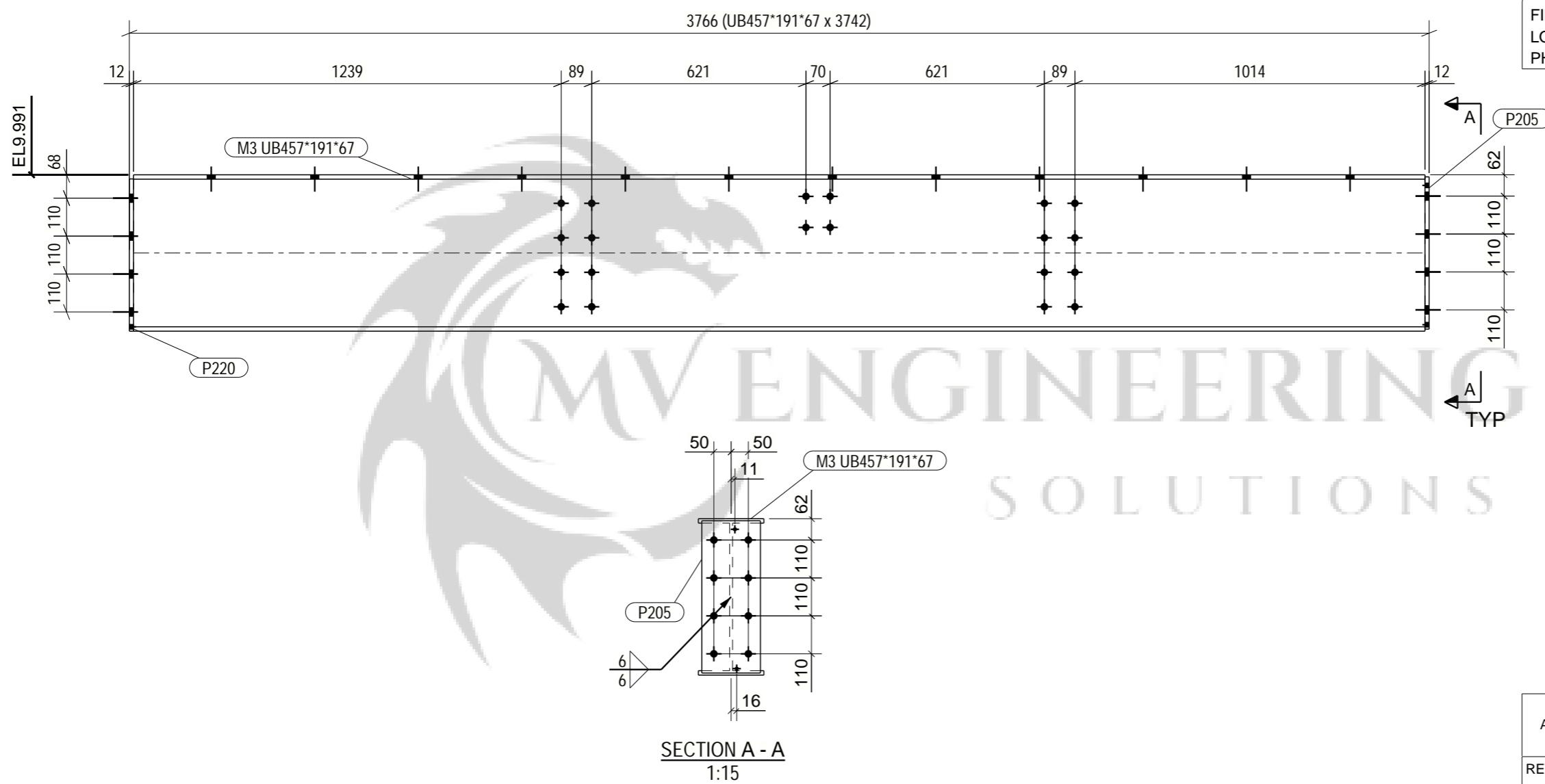
All Holes to be **22** Dia UNO      Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

**FINISH**                      **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM      REQUIRED AS DRAWN MARKED      B15**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

**CONTRACT NO:** 1001      **DRAWING NO:** [B.15]      **REV:** A

Tekla Structures

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M72	UB203*133*25	S355-JR	1	2267	2.055	54.4
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					2.169	59.1

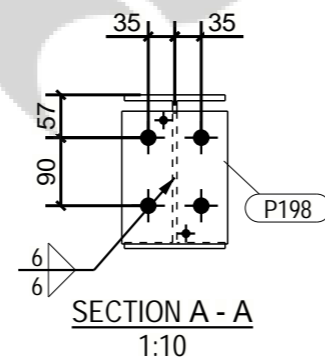
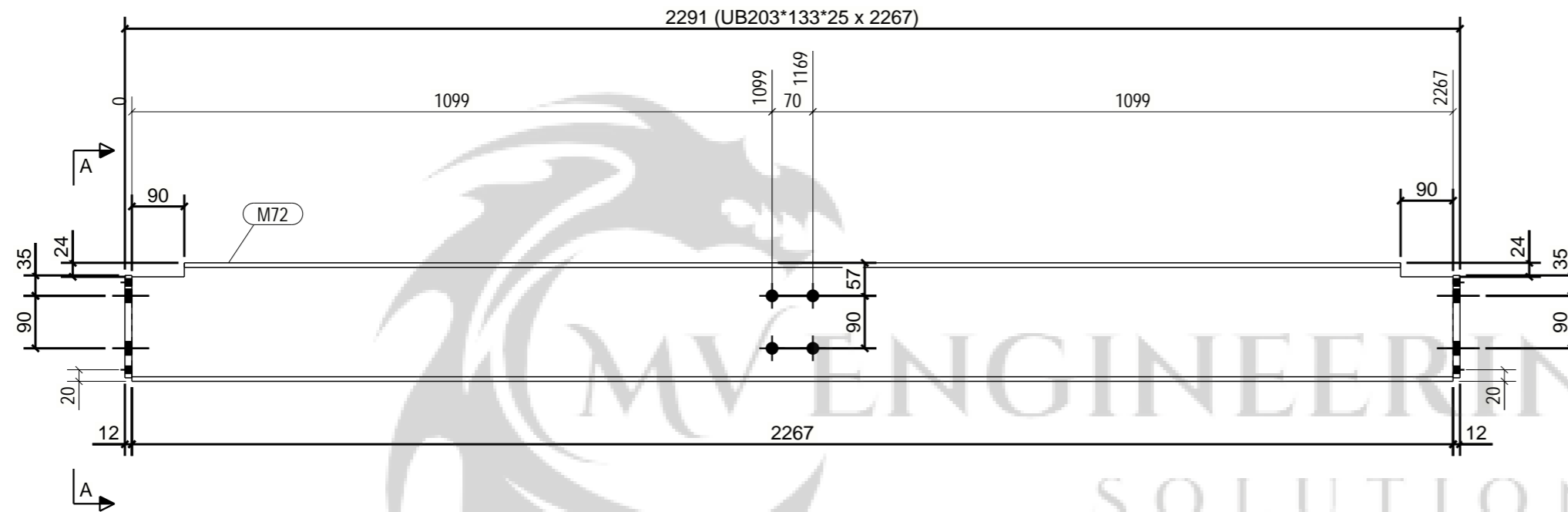
**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT **0** QTY **3**  
 PHASE **1** QTY **3**



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION  
DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**3 No. BEAM**

**REQUIRED AS DRAWN MARKED B16**

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

CONTRACT NO: 1001      DRAWING NO: [B.16]      REV: A

ASSEMBLY / SUB ASSEMBLY STATUS	
3	THIS IS IT'S OWN ASSEMBLY



**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

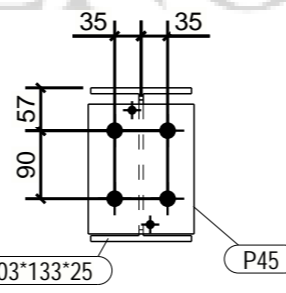
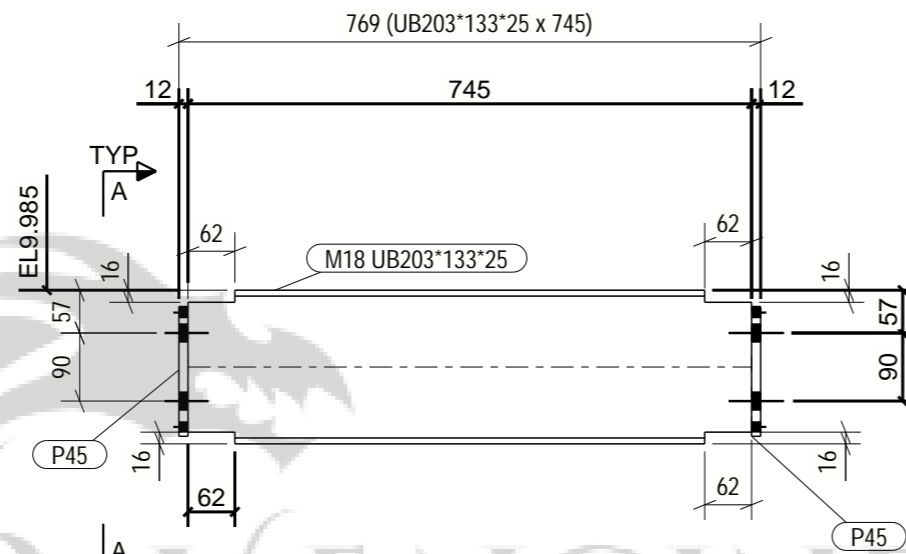
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M18	UB203*133*25	S355-JR	1	745	0.627	16.3
P45	FLT12*140	S275-JR	2	172	0.111	4.5
				<b>Total</b>	0.738	20.8

**GENERAL NOTES**

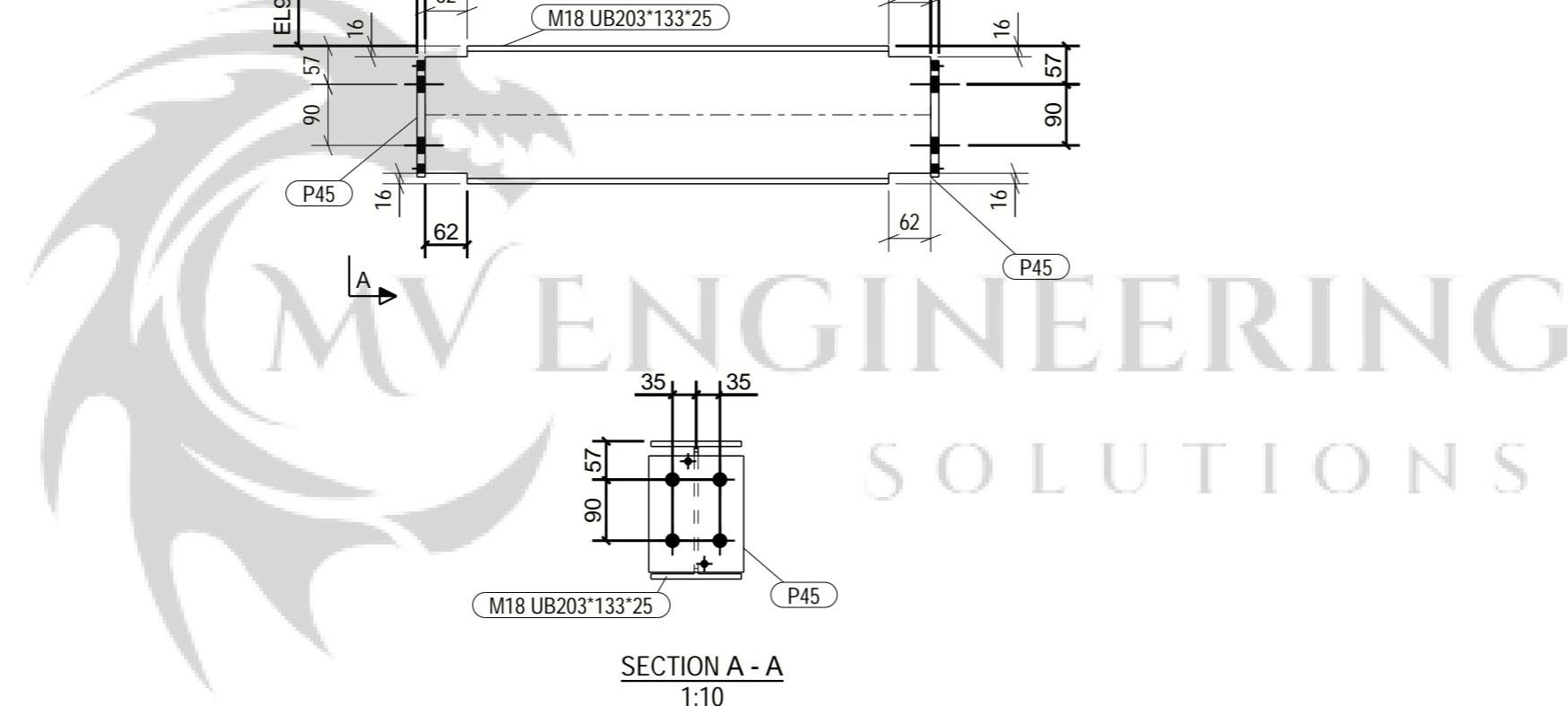
All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 5
PHASE	1	QTY 5



SECTION A - A  
1:10



REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

5 No. BEAM

REQUIRED AS DRAWN MARKED B17

ASSEMBLY / SUB ASSEMBLY STATUS	
5	THIS IS IT'S OWN ASSEMBLY

CONTRACT NO:	DRAWING NO:	REV:
1001	[B.17]	A

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

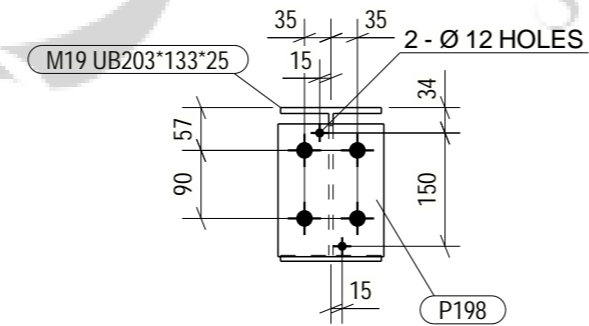
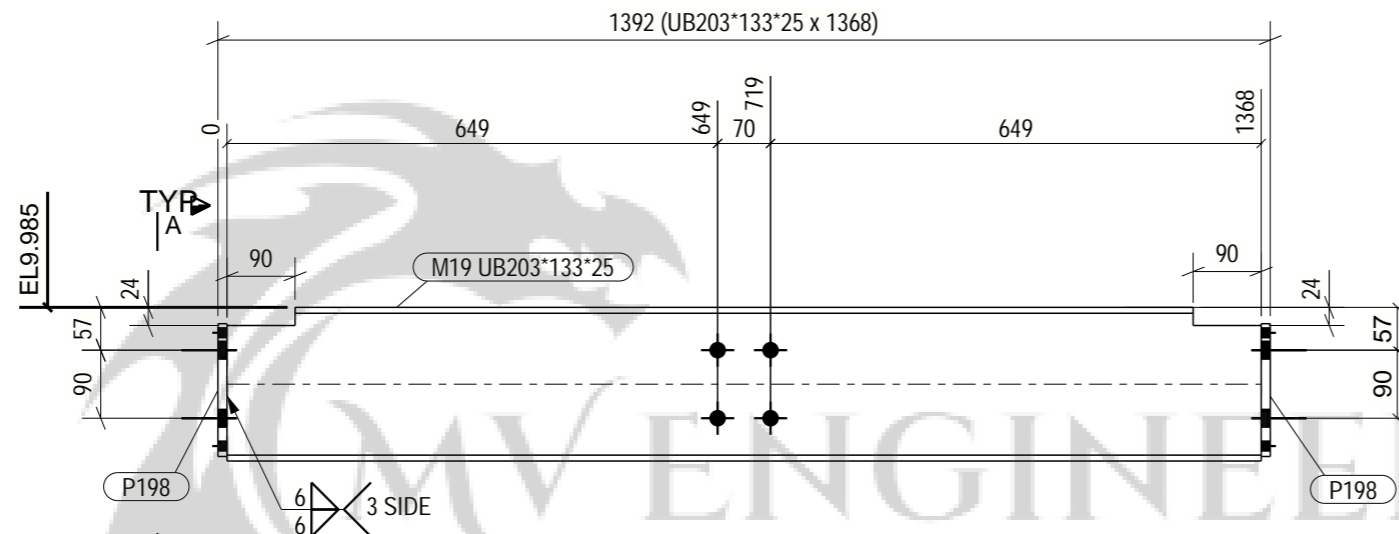
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M19	UB203*133*25	S355-JR	1	1368	1.221	32.2
P198	FLT12*140	S275-JR	2	176	0.113	4.6
				<b>Total</b>	1.334	36.8

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>3</b>
PHASE	<b>1</b>	QTY <b>3</b>



**SECTION A - A**  
1:10

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**3 No. BEAM**

**REQUIRED AS DRAWN MARKED B18**

ASSEMBLY / SUB ASSEMBLY STATUS	
3	THIS IS IT'S OWN ASSEMBLY

<b>CONTRACT NO:</b> 1001	<b>DRAWING NO:</b> [B.18]	<b>REV:</b> A
-----------------------------	------------------------------	------------------

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

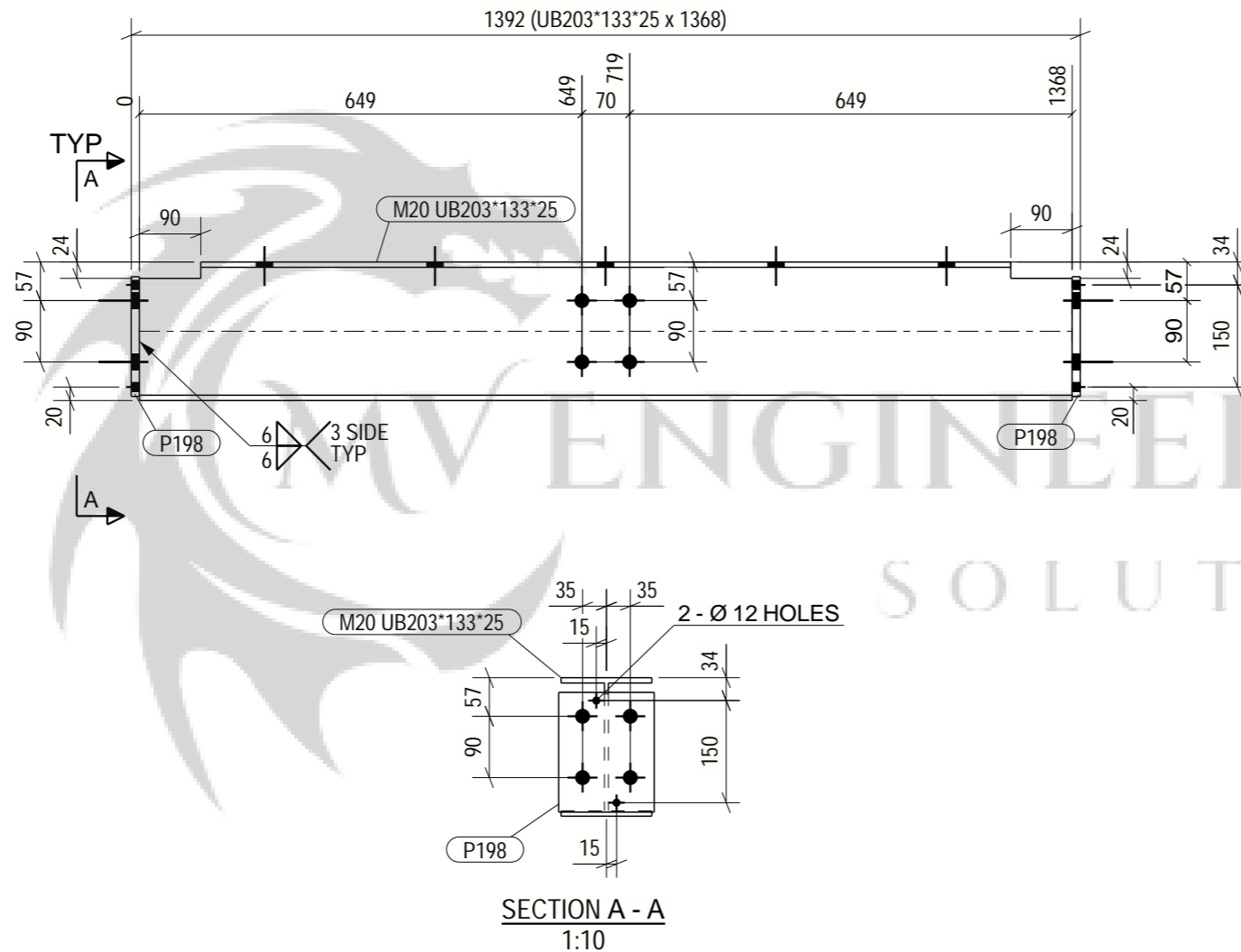
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M20	UB203*133*25	S355-JR	1	1368	1.221	32.2
P198	FLT12*140	S275-JR	2	176	0.113	4.6
				<b>Total</b>	1.334	36.8

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>2</b>
PHASE	<b>1</b>	QTY <b>2</b>



**2 No. BEAM**

**REQUIRED AS DRAWN MARKED B19**

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

**MASS EACH = (APPROX)**

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

**TOLERANCES**

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

ASSEMBLY / SUB ASSEMBLY STATUS	
2	THIS IS IT'S OWN ASSEMBLY

<b>CONTRACT NO:</b> 1001	<b>DRAWING NO:</b> [B.19]	<b>REV:</b> A
-----------------------------	------------------------------	------------------

Tekla Structures

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

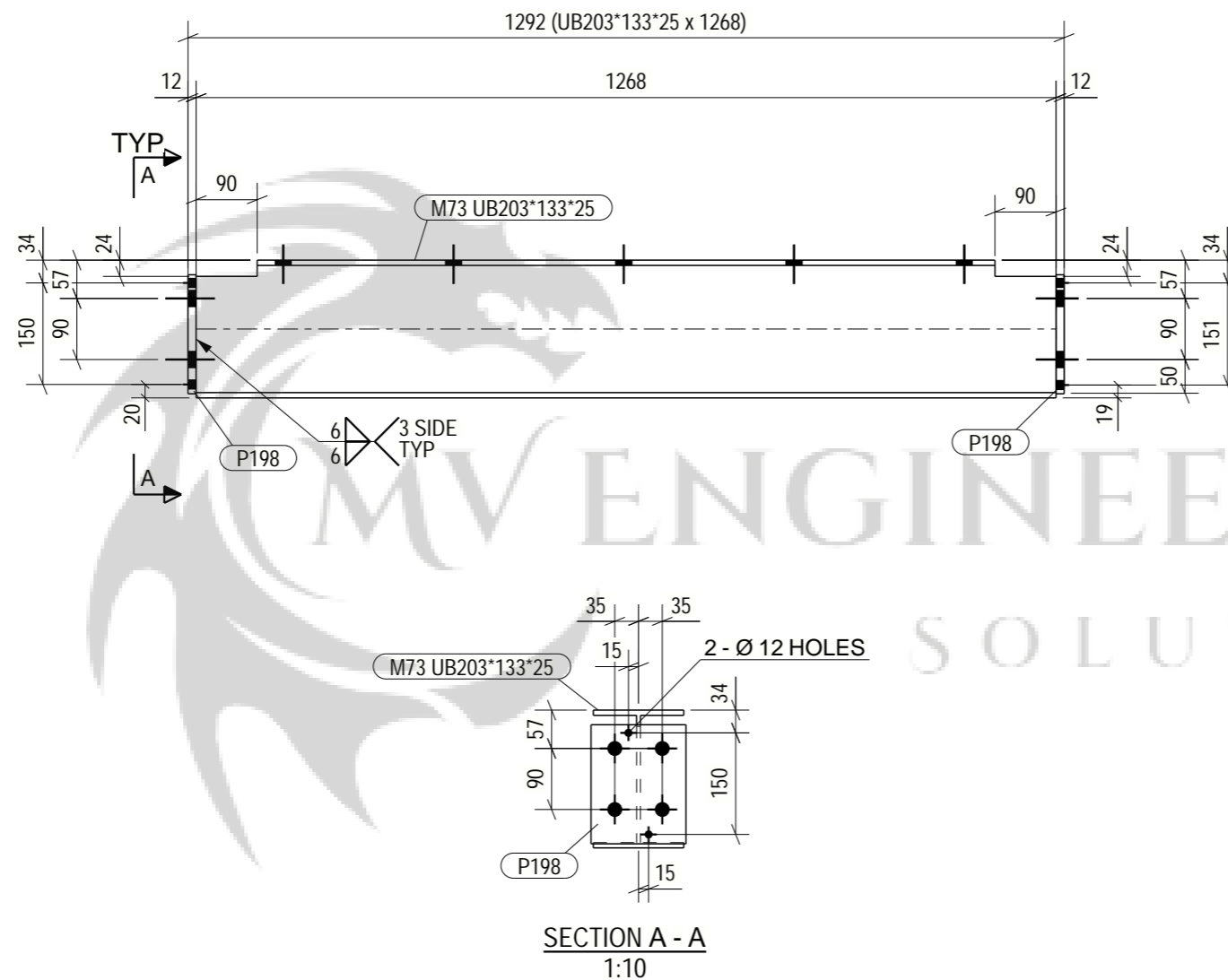
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M73	UB203*133*25	S355-JR	1	1268	1.128	29.7
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					1.241	34.3

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



**SECTION A - A**  
1:10

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION  
DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B20**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.20]	A

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

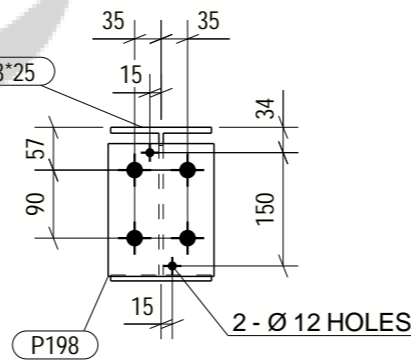
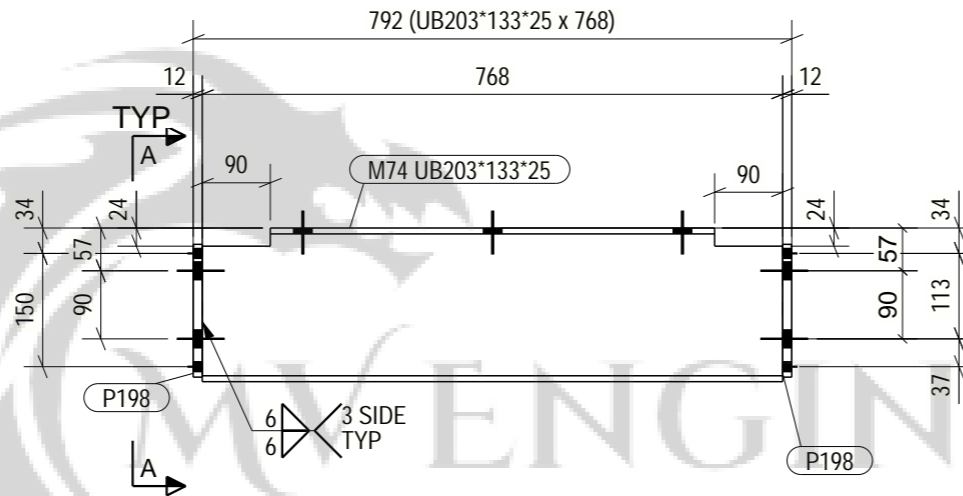
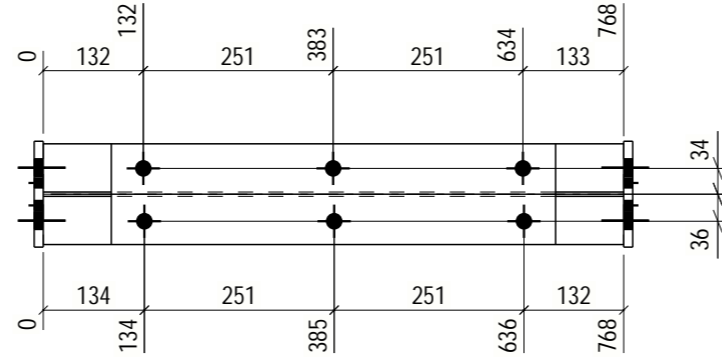
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M74	UB203*133*25	S355-JR	1	768	0.664	17.4
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					<b>0.777</b>	<b>22.0</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



**SECTION A - A**  
1:10

ENGINEERING SOLUTIONS

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE  
 ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

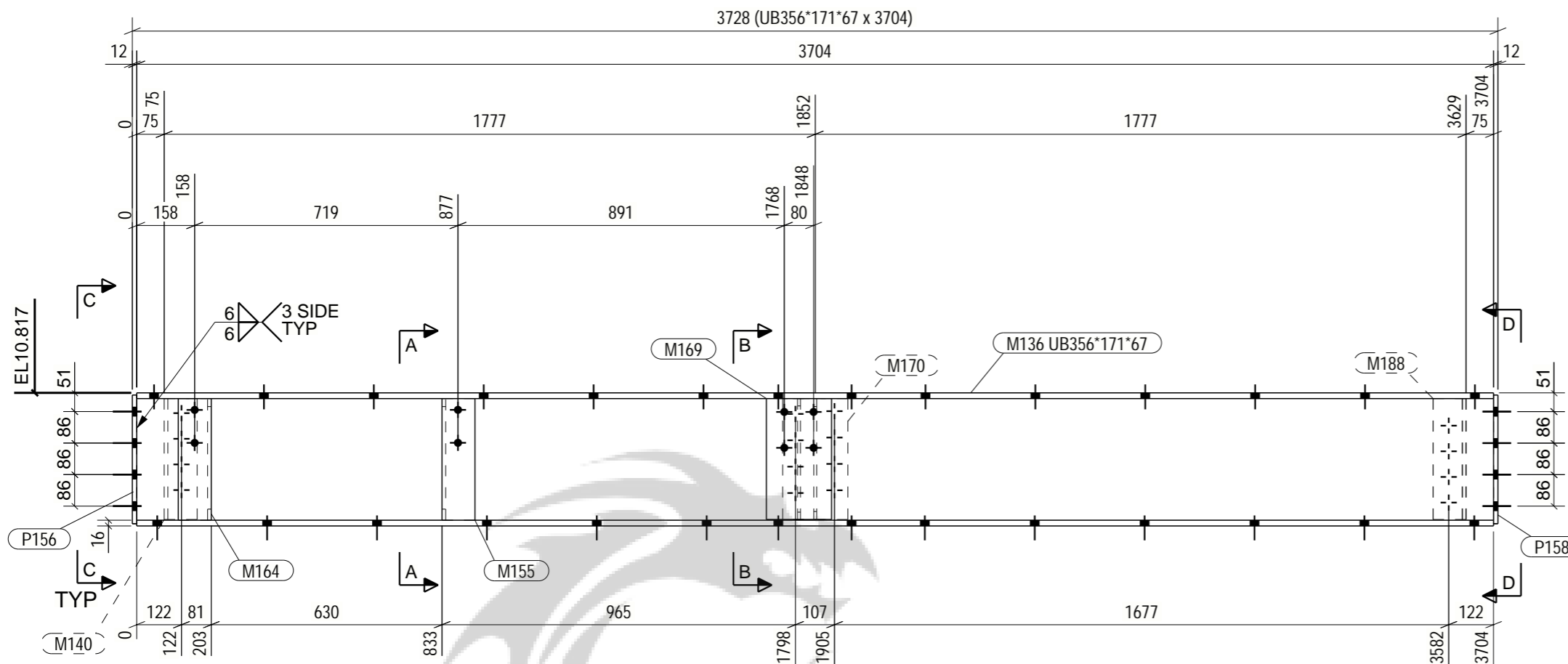
SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B21**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

CONTRACT NO:	DRAWING NO:	REV:
1001	[B.21]	A



SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M136	UB356*171*67	S355-JR	1	3704	5.208	246.0
M140	RSA90*90*10	S355-JR	1	330	0.121	4.4
M155	RSA90*90*10	S355-JR	1	332	0.121	4.4
M164	RSA90*90*10	S355-JR	1	332	0.121	4.4
M169	UB406*178*60	S355-JR	1	330	0.180	7.4
M170	UB406*178*60	S355-JR	1	330	0.181	7.4
M188	RSA90*90*10	S355-JR	1	330	0.121	4.4
P156	PLT12*172	S275-JR	1	351	0.133	5.7
P158	PLT12*172	S275-JR	1	351	0.133	5.7
<b>Total</b>					<b>6.322</b>	<b>289.7</b>

**GENERAL NOTES**

All Holes to be **22 Dia UNO** Slot hole length is to outside

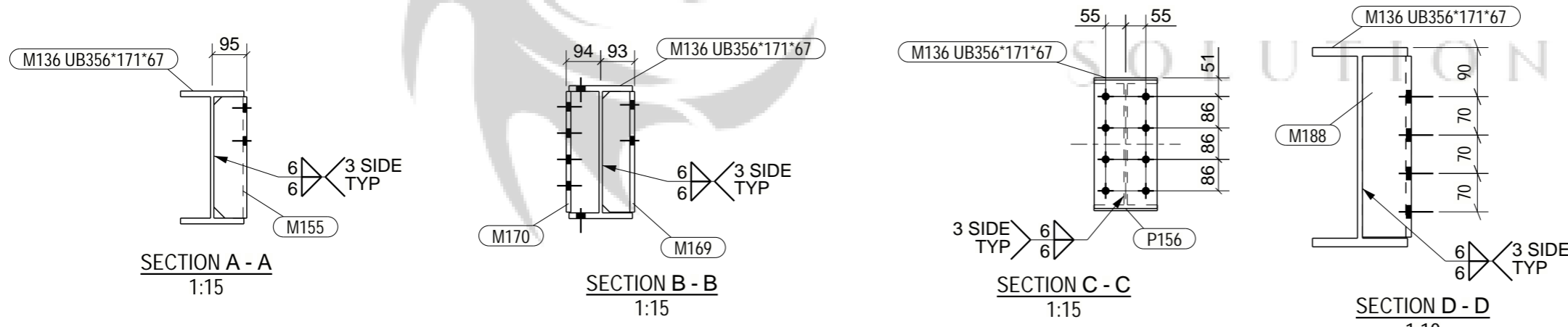
All Welds to be **6 FW. UNO**

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT **0** QTY **1**

PHASE **1** QTY **1**



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B28

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

CONTRACT NO: 1001      DRAWING NO: [B.28]      REV: A

Tekla Structures

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

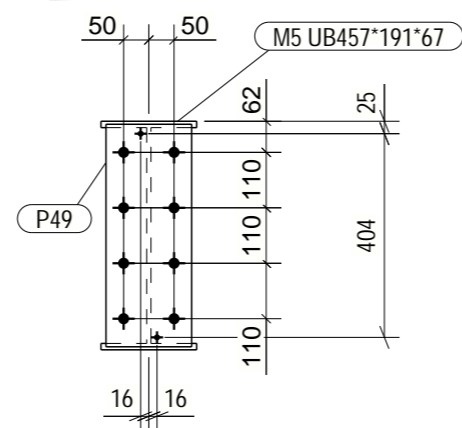
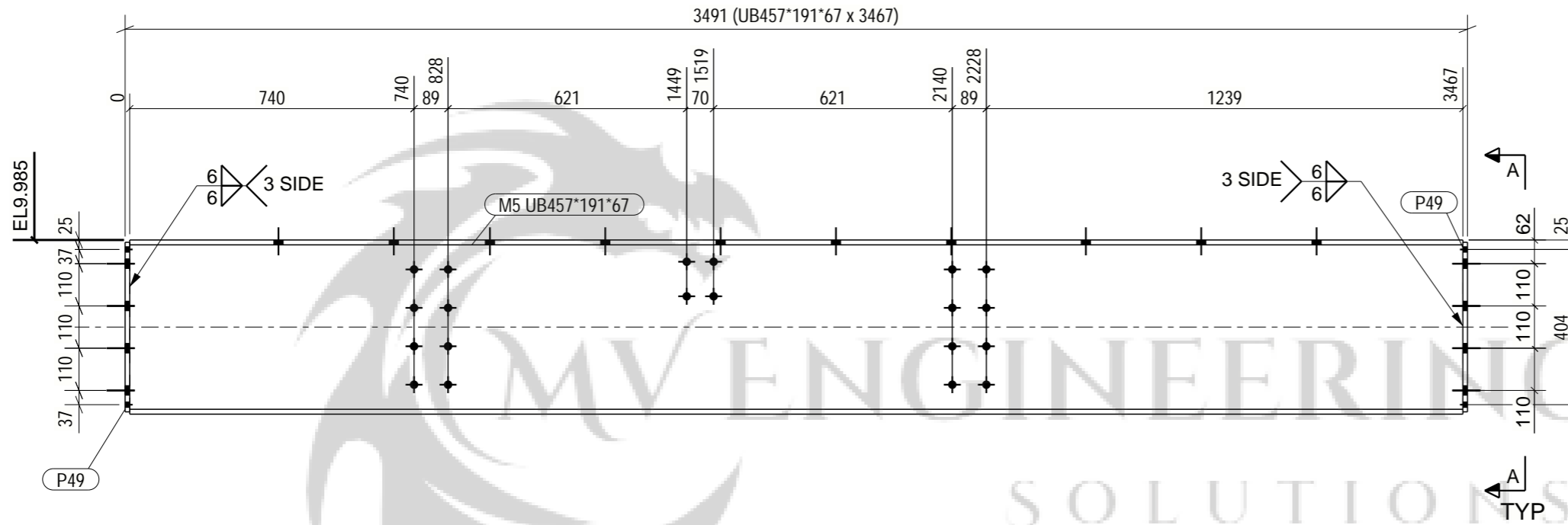
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M5	UB457*191*67	S355-JR	1	3467	5.736	230.3
P49	PLT12*170	S275-JR	2	441	0.329	14.1
<b>Total</b>					6.066	244.5

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B34

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.34]	A

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M6	UB457*191*67	S355-JR	1	4312	7.130	286.4
P49	PLT12*170	S275-JR	2	441	0.329	14.1
P168	PLT12*181.9	S275-JR	1	365	0.139	6.0
<b>Total</b>					7.598	306.5

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside

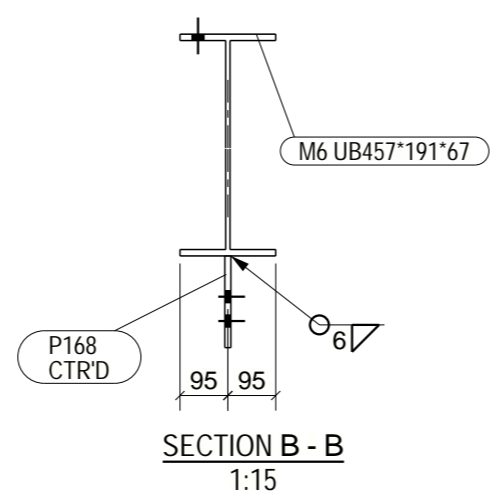
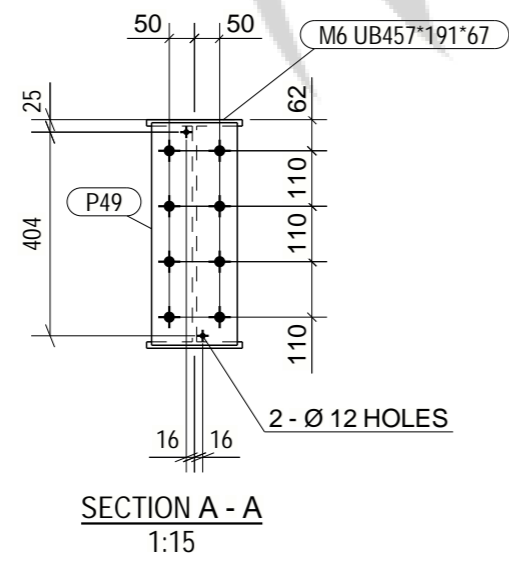
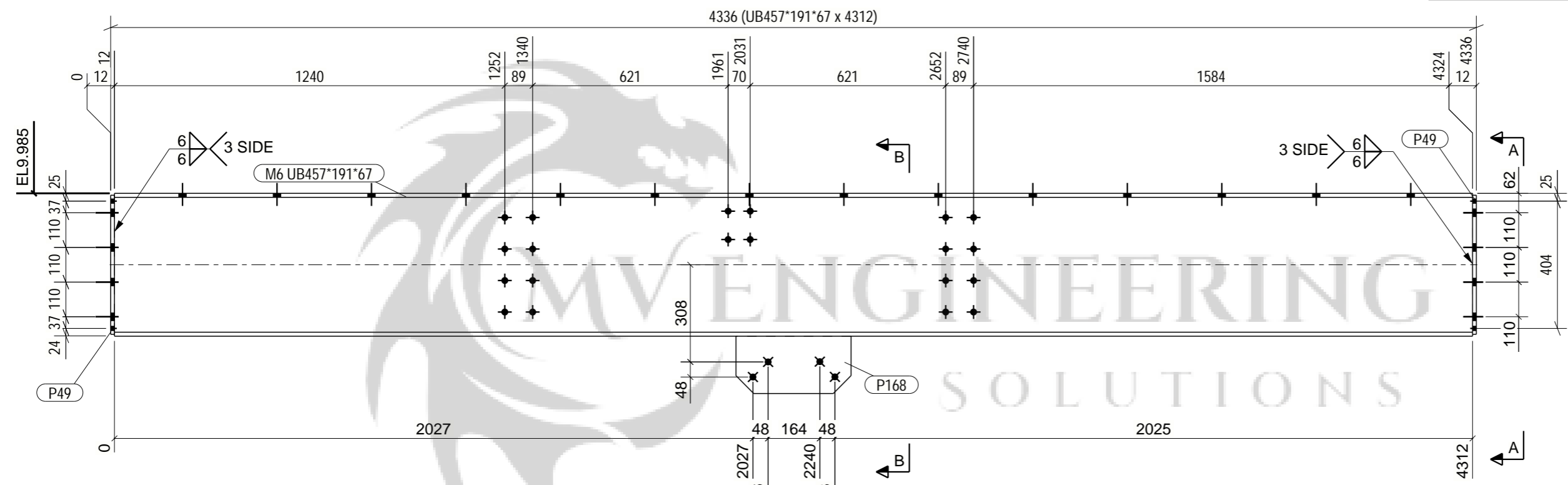
All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT **0** QTY **1**

PHASE **1** QTY **1**



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O

ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.

ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.

ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.

EXECUTION CLASS TO BE EXC2.

WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.

ALL PARTS TO BE BATCH TRACEABLE U.N.O.

SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.

HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM REQUIRED AS DRAWN MARKED B37**

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>				
1001	[B.37]	A				
<table border="1"> <thead> <tr> <th colspan="2">ASSEMBLY / SUB ASSEMBLY STATUS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>THIS IS IT'S OWN ASSEMBLY</td> </tr> </tbody> </table>			ASSEMBLY / SUB ASSEMBLY STATUS		1	THIS IS IT'S OWN ASSEMBLY
ASSEMBLY / SUB ASSEMBLY STATUS						
1	THIS IS IT'S OWN ASSEMBLY					

Tekla Structures



**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

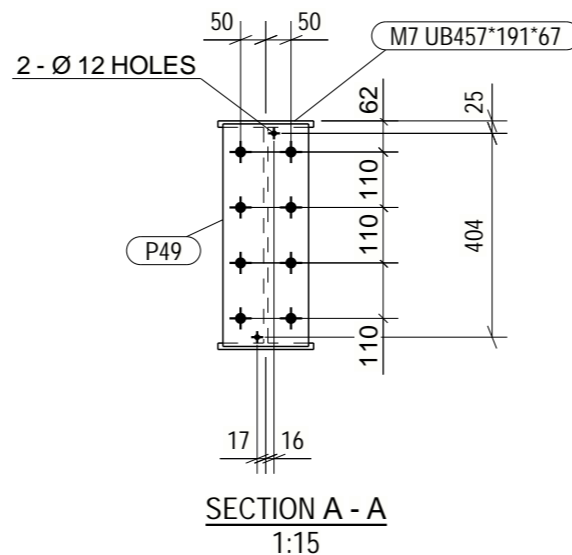
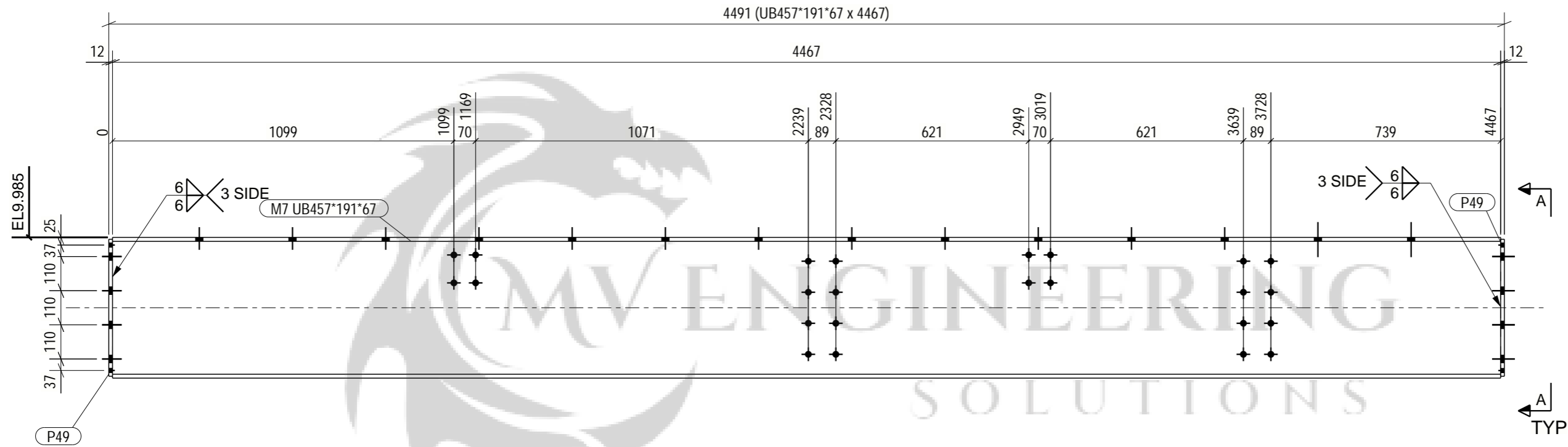
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M7	UB457*191*67	S355-JR	1	4467	7.385	296.7
P49	PLT12*170	S275-JR	2	441	0.329	14.1
<b>Total</b>					7.715	310.9

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



**MASS EACH = (APPROX)**

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

**TOLERANCES**

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B38**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.38]	A

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

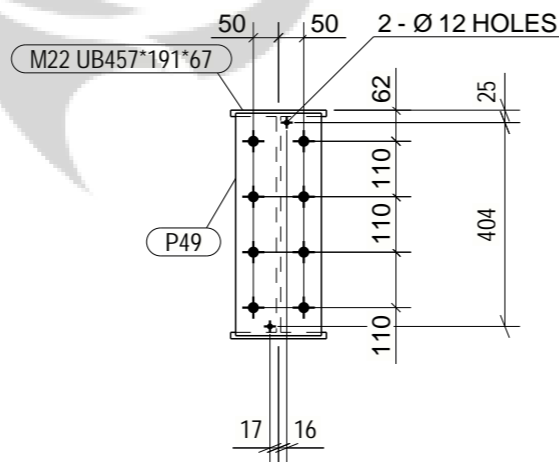
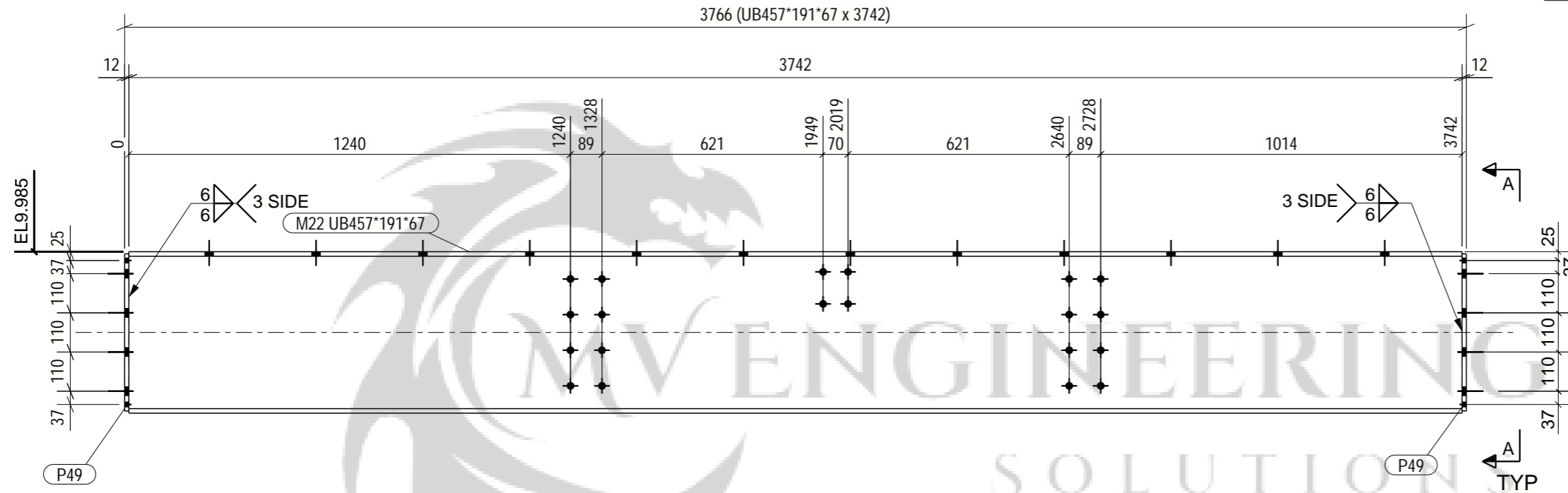
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M22	UB457*191*67	S355-JR	1	3742	6.190	248.6
P49	PLT12*170	S275-JR	2	441	0.329	14.1
<b>Total</b>					6.519	262.7

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



**SECTION A - A**  
1:15

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE  
 ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B39**

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

CONTRACT NO:	DRAWING NO:	REV:
1001	[B.39]	A

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

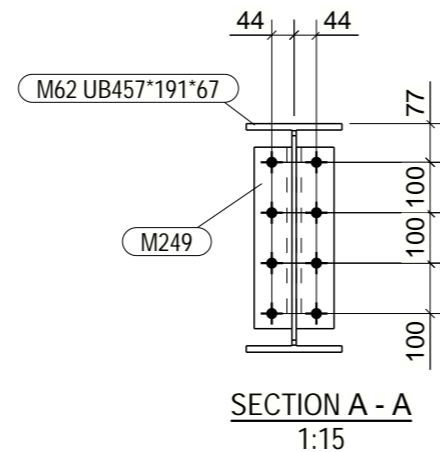
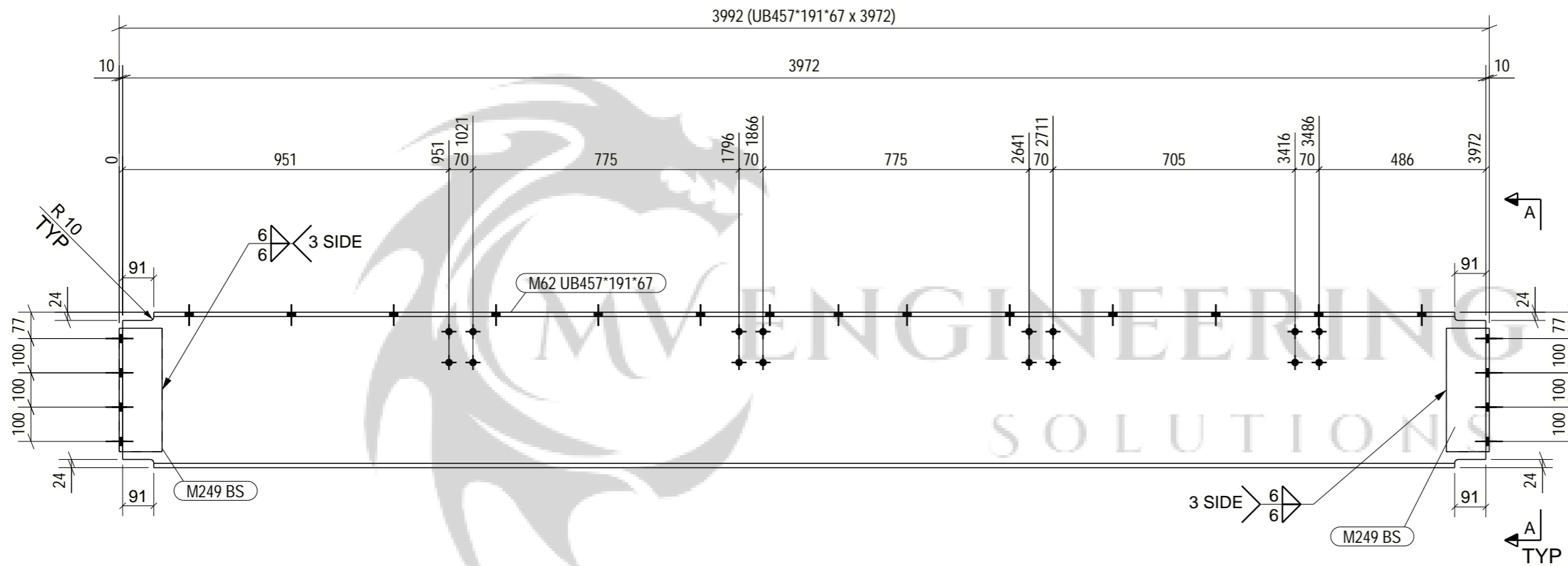
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M62	UB457*191*67	S355-JR	1	3972	6.419	256.7
M249	RSA125*75*10	S355-JR	4	360	0.591	21.5
<b>Total</b>					<b>7.010</b>	<b>278.1</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



THIRD ANGLE PROJECTION  
 DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

**SHOP NOTES:**  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**TOLERANCES**  
 FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B40**

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

<b>CONTRACT NO:</b> 1001	<b>DRAWING NO:</b> [B.40]	<b>REV:</b> A
-----------------------------	------------------------------	------------------

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

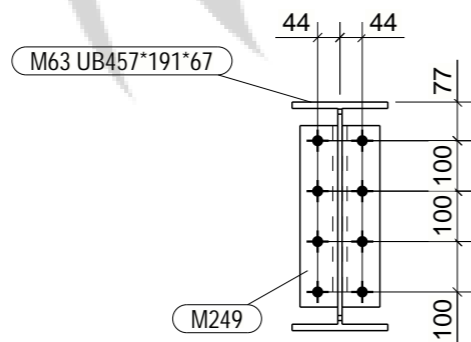
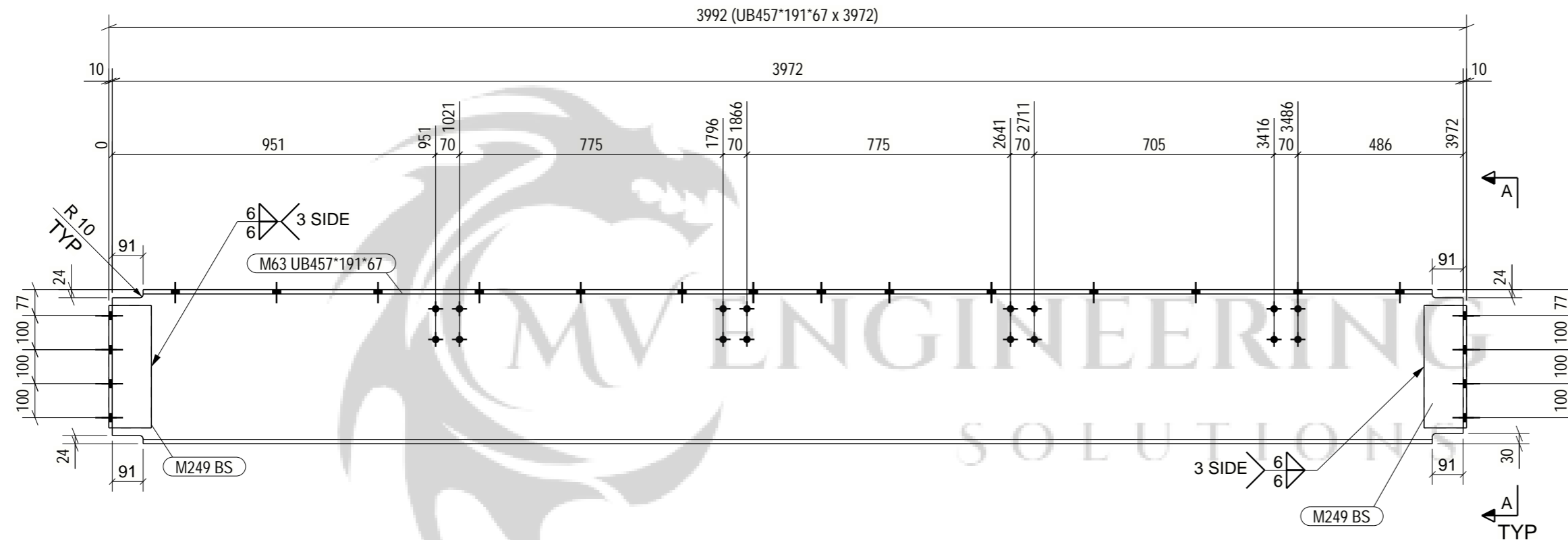
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M63	UB457*191*67	S355-JR	1	3972	6.417	256.6
M249	RSA125*75*10	S355-JR	4	360	0.591	21.5
<b>Total</b>					<b>7.009</b>	<b>278.1</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



**SECTION A - A**  
1:15

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION  
DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

**SHOP NOTES:**

MATERIAL -TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**TOLERANCES**

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B41**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.41]	A

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

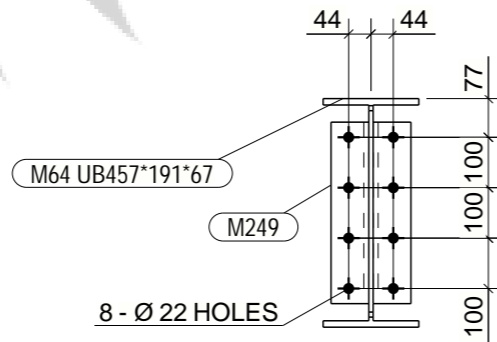
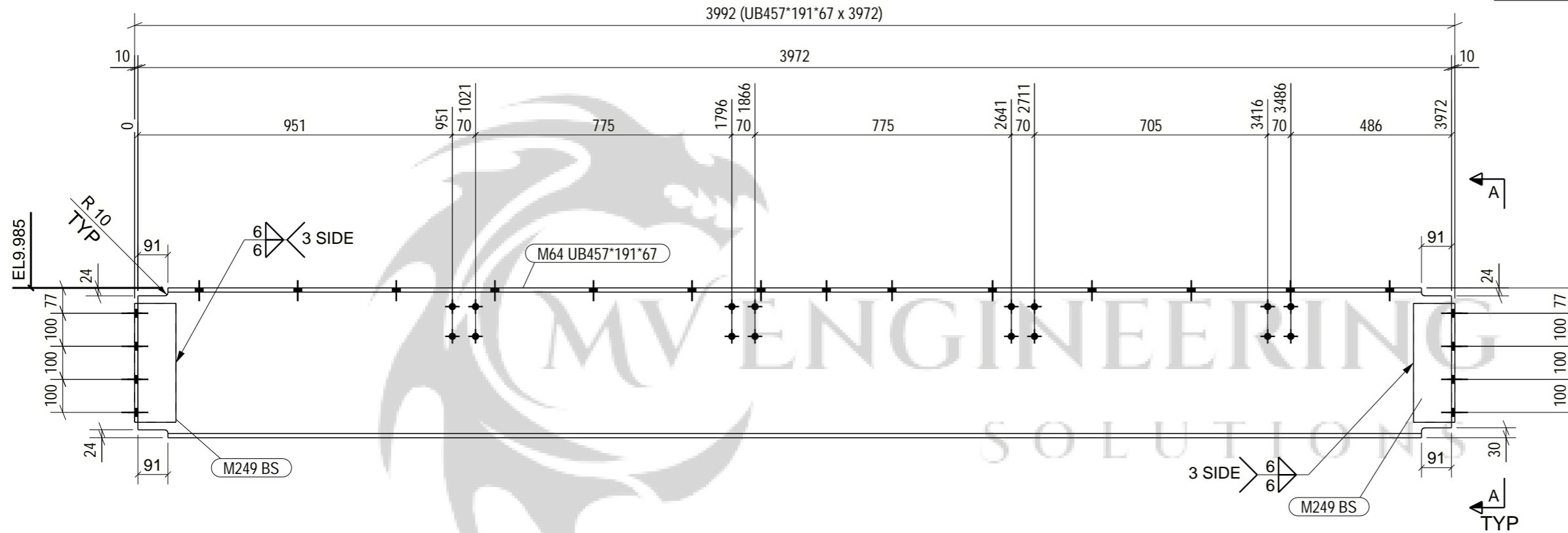
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M64	UB457*191*67	S355-JR	1	3972	6.417	256.6
M249	RSA125*75*10	S355-JR	4	360	0.591	21.5
<b>Total</b>					<b>7.009</b>	<b>278.1</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK. ALL DIMENSIONS IN MILLIMETRES. REMOVE BURRS & SHARP EDGES. ALL BOLTS TO BE GRADE 8.8 U.S.O. FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS. FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

**TOLERANCES**

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2. FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553. EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B42**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.42]	A

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

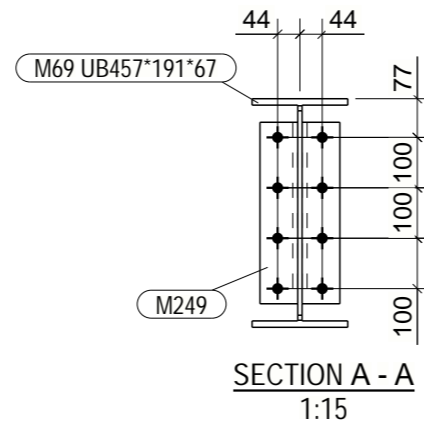
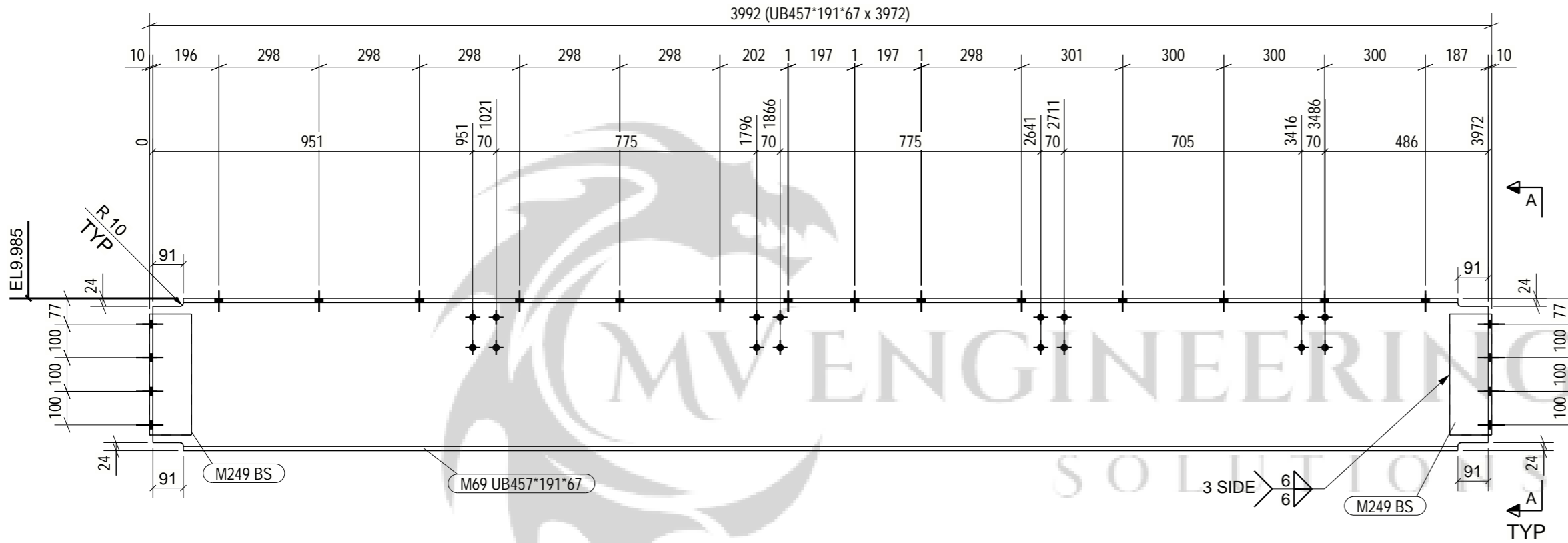
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M69	UB457*191*67	S355-JR	1	3972	6.419	256.7
M249	RSA125*75*10	S355-JR	4	360	0.591	21.5
<b>Total</b>					<b>7.010</b>	<b>278.1</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B43

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
		By	Date	By	Date	By	Date
A		NW	22.11.2022	GSG	22.11.2022		

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.43]	A

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M28	UB457*191*67	S355-JR	1	2792	4.623	185.5
P49	PLT12*170	S275-JR	2	441	0.329	14.1
<b>Total</b>					<b>4.952</b>	<b>199.6</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO      Slot hole length is to outside

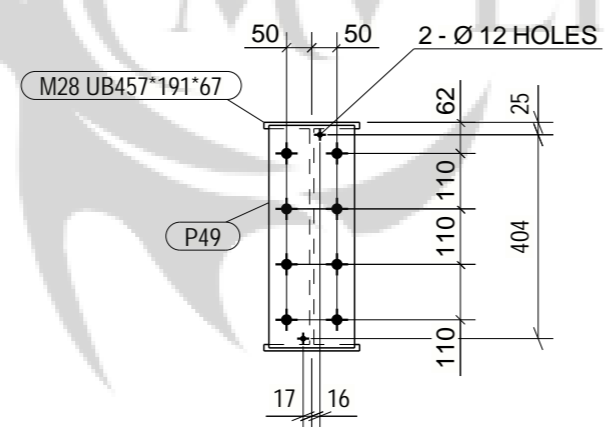
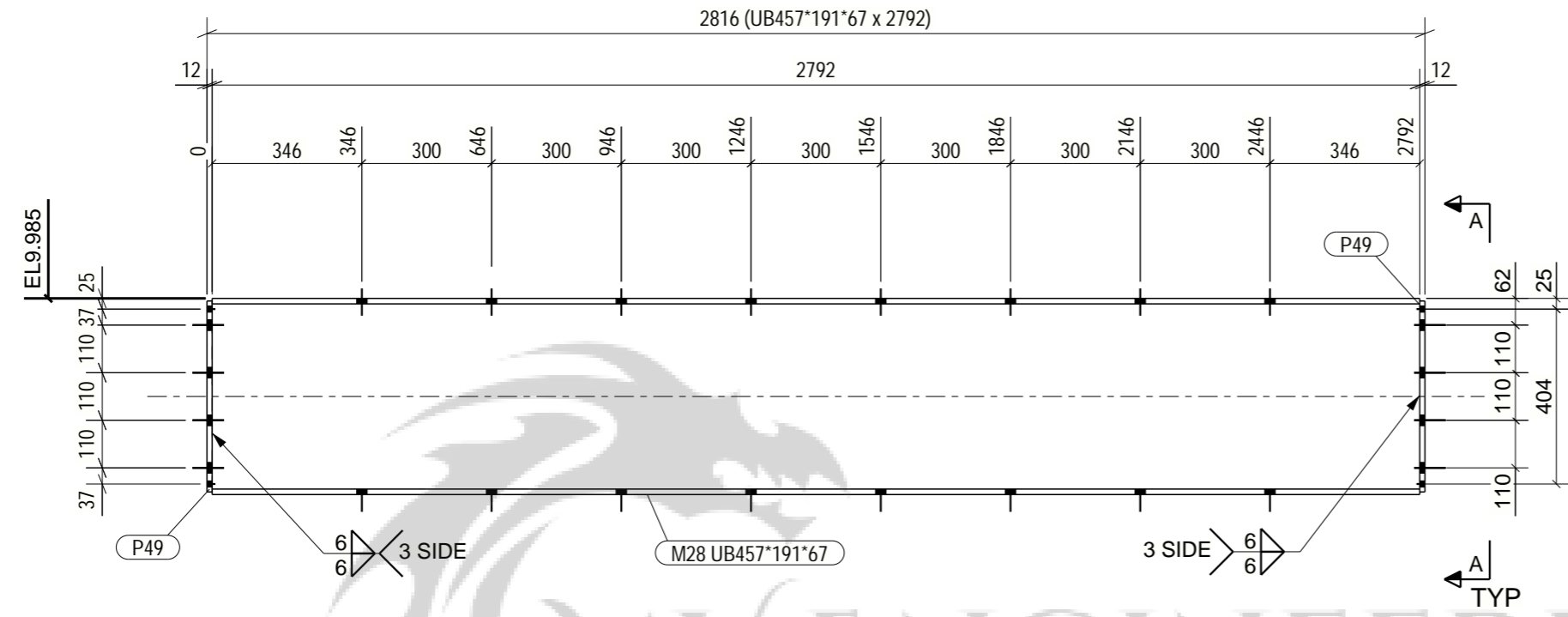
All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT      **0**      QTY      **1**

PHASE      **1**      QTY      **1**



**SECTION A - A**  
1:15

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION  
DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL -TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B44**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

**CONTRACT NO:** 1001      **DRAWING NO:** [B.44]      **REV:** A

Tekla Structures





**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

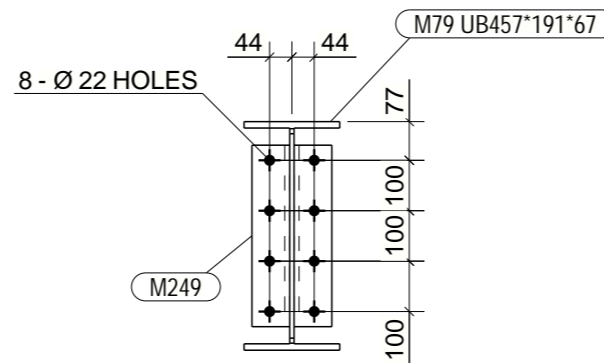
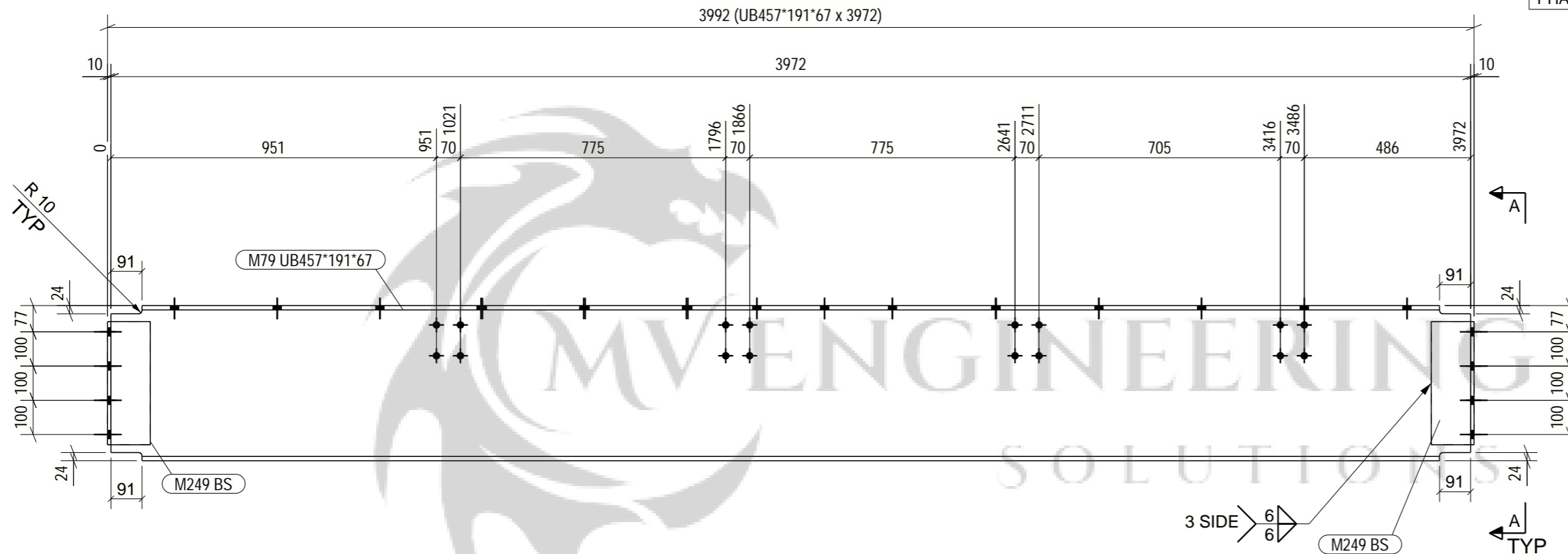
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M79	UB457*191*67	S355-JR	1	3972	6.419	256.7
M249	RSA125*75*10	S355-JR	4	360	0.591	21.5
<b>Total</b>					<b>7.010</b>	<b>278.1</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



MASS EACH = (APPROX)  
 THIRD ANGLE PROJECTION DO NOT SCALE  
 ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B46

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.46]	A

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

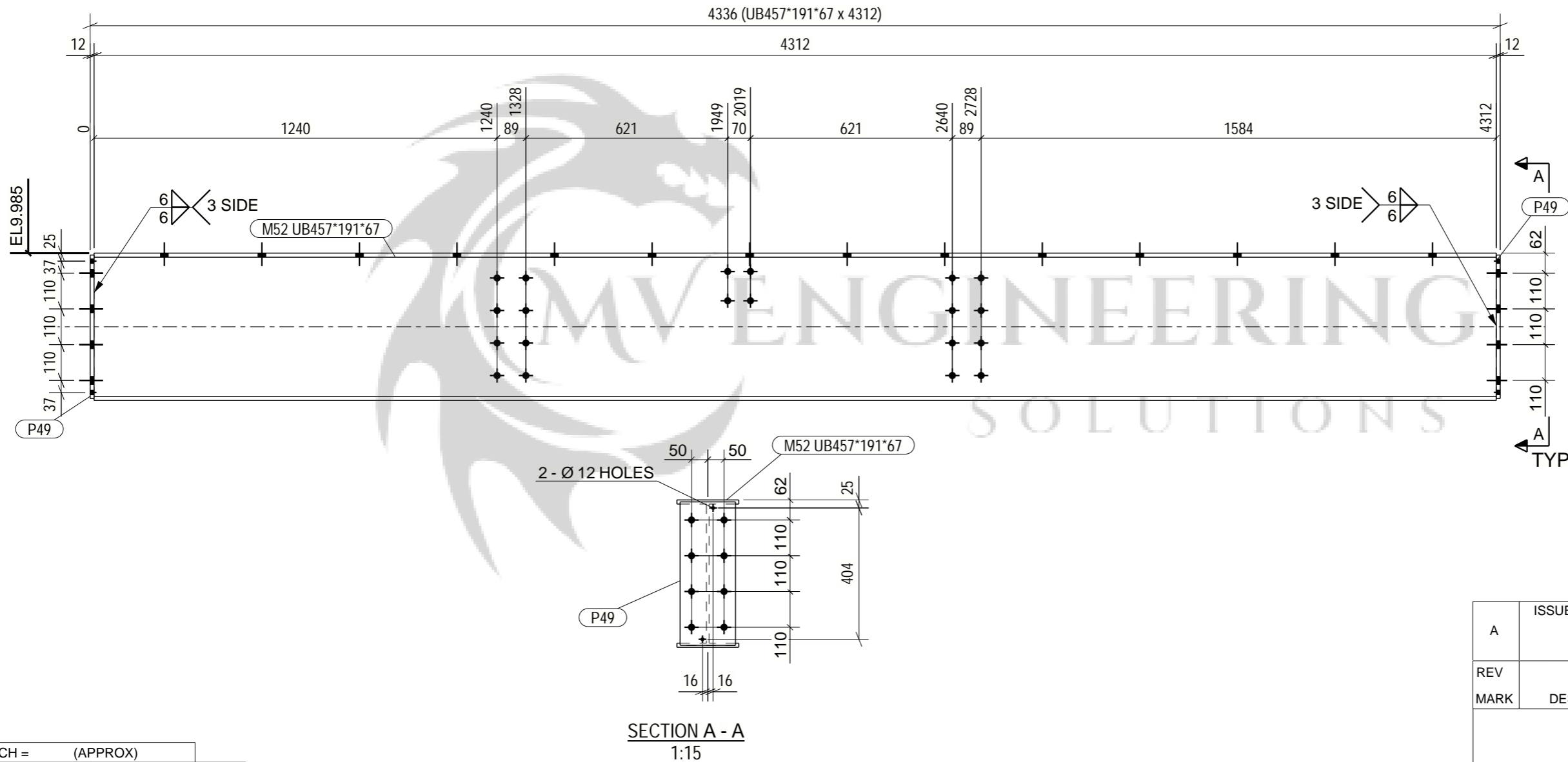
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M52	UB457*191*67	S355-JR	1	4312	7.130	286.4
P49	PLT12*170	S275-JR	2	441	0.329	14.1
<b>Total</b>					7.459	300.6

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**  
 LOT **0** QTY **1**  
 PHASE **1** QTY **1**



MASS EACH = (APPROX)  
 THIRD ANGLE PROJECTION DO NOT SCALE  
 ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B47

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

CONTRACT NO: 1001  
 DRAWING NO: [B.47]  
 REV: A

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

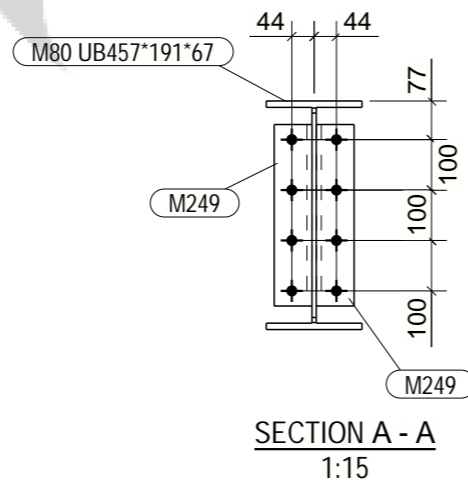
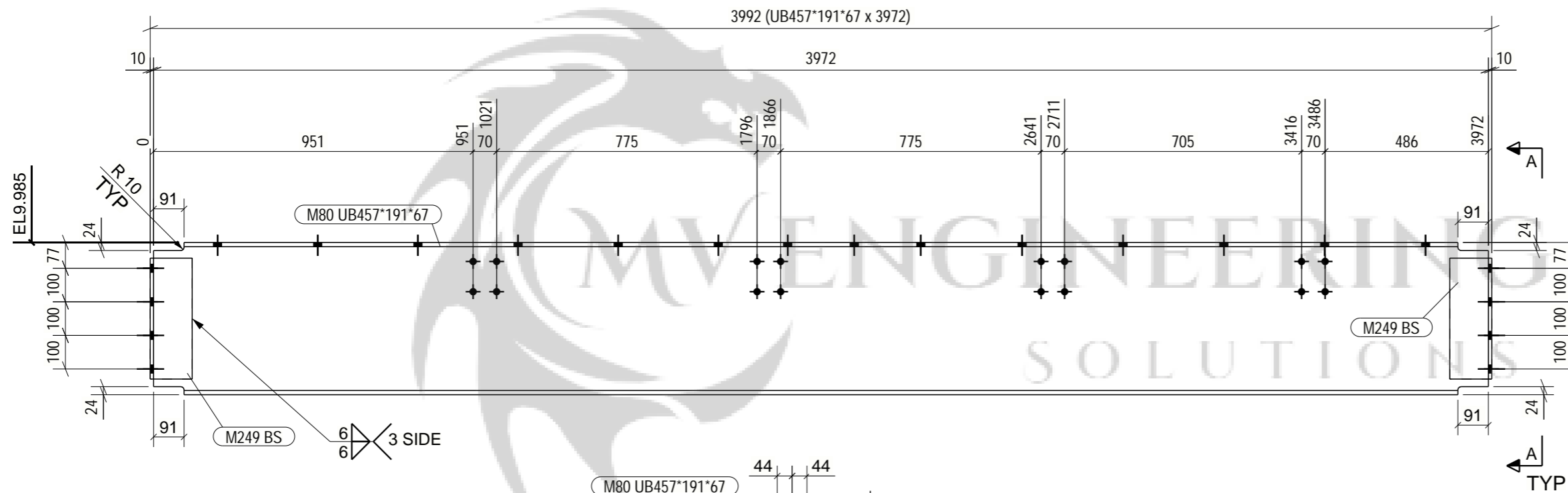
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M80	UB457*191*67	S355-JR	1	3972	6.419	256.7
M249	RSA125*75*10	S355-JR	4	360	0.591	21.5
<b>Total</b>					<b>7.010</b>	<b>278.1</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



MASS EACH = (APPROX)  
 THIRD ANGLE PROJECTION DO NOT SCALE  
 ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

TOLERANCES  
 FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B51

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

CONTRACT NO:	DRAWING NO:	REV:
1001	[B.51]	A

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

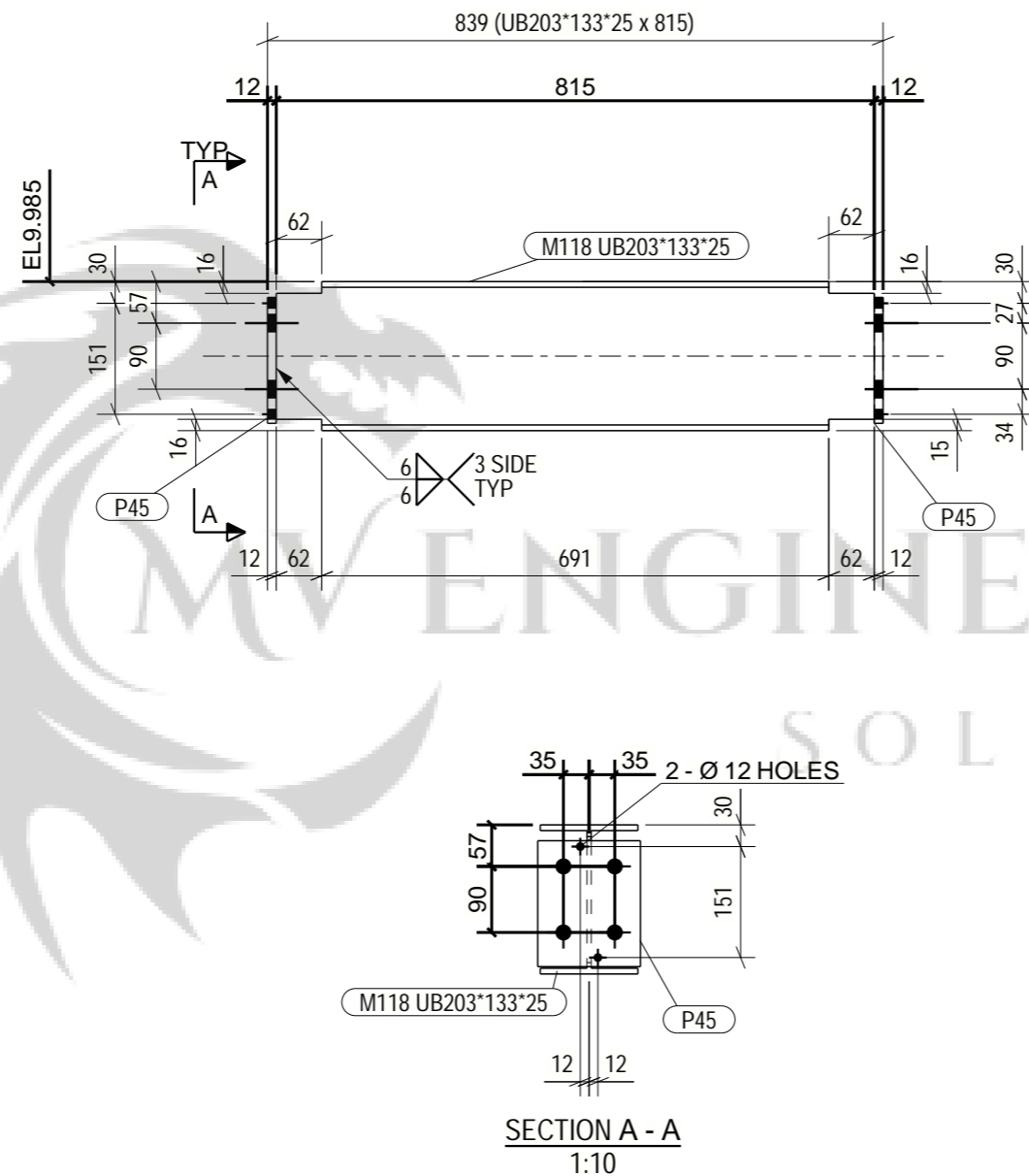
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M118	UB203*133*25	S355-JR	1	815	0.692	18.0
P45	FLT12*140	S275-JR	2	172	0.111	4.5
<b>Total</b>					0.803	22.6

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 2
PHASE	1	QTY 2



2 No. BEAM

REQUIRED AS DRAWN MARKED B66

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

MASS EACH = (APPROX)  
 THIRD ANGLE PROJECTION DO NOT SCALE  
 ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

TOLERANCES  
 FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

ASSEMBLY / SUB ASSEMBLY STATUS	
2	THIS IS IT'S OWN ASSEMBLY

CONTRACT NO:	DRAWING NO:	REV:
1001	[B.66]	A

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M120	UB203*133*25	S355-JR	1	504	0.411	10.6
P45	FLT12*140	S275-JR	1	172	0.056	2.3
P197	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	0.523	15.2

**GENERAL NOTES**

All Holes to be **22** Dia UNO      Slot hole length is to outside

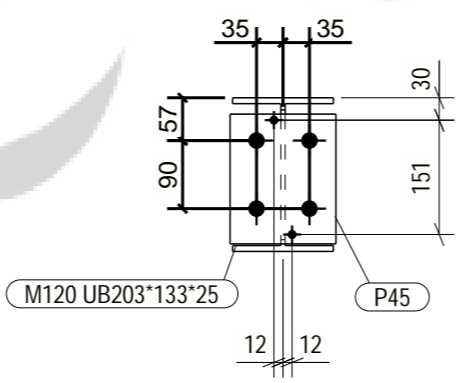
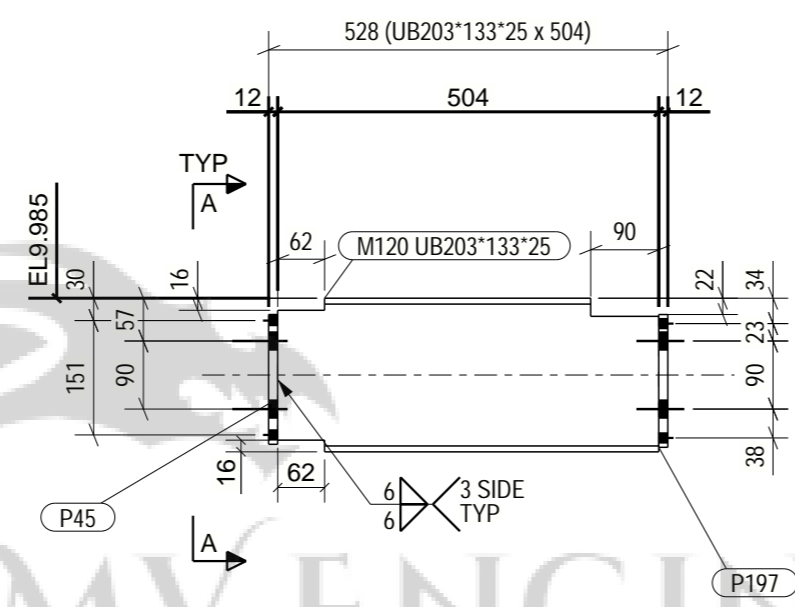
All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

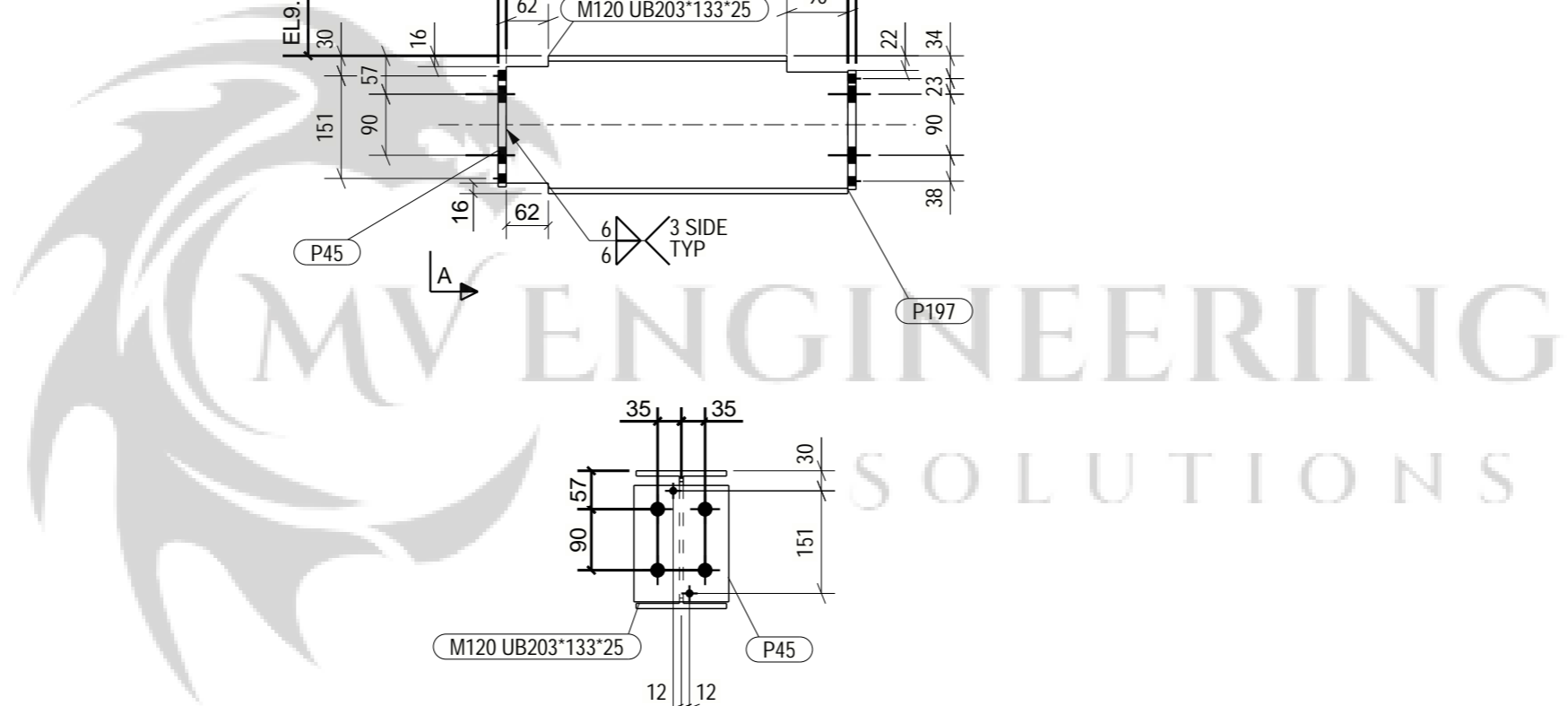
FINISH      **GALV**

LOT      **0**      QTY      **4**

PHASE      **1**      QTY      **4**



SECTION A - A  
1:10



ISSUED FOR APPROVAL					
REV	DESCRIPTION	By	Date	By	Date
A		NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	
<b>CONTRACT NO:</b>		<b>DRAWING NO:</b>		<b>REV:</b>	
1001		[B.67]		A	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

4 No. BEAM

REQUIRED AS DRAWN MARKED B67

ASSEMBLY / SUB ASSEMBLY STATUS	
4	THIS IS IT'S OWN ASSEMBLY

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M11	UB203*133*25	S355-JR	1	768	0.664	17.4
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					<b>0.777</b>	<b>22.0</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO      Slot hole length is to outside

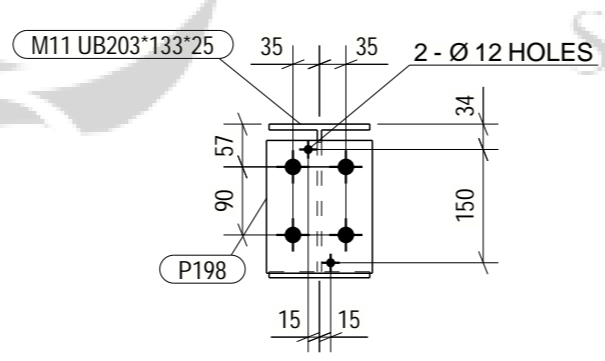
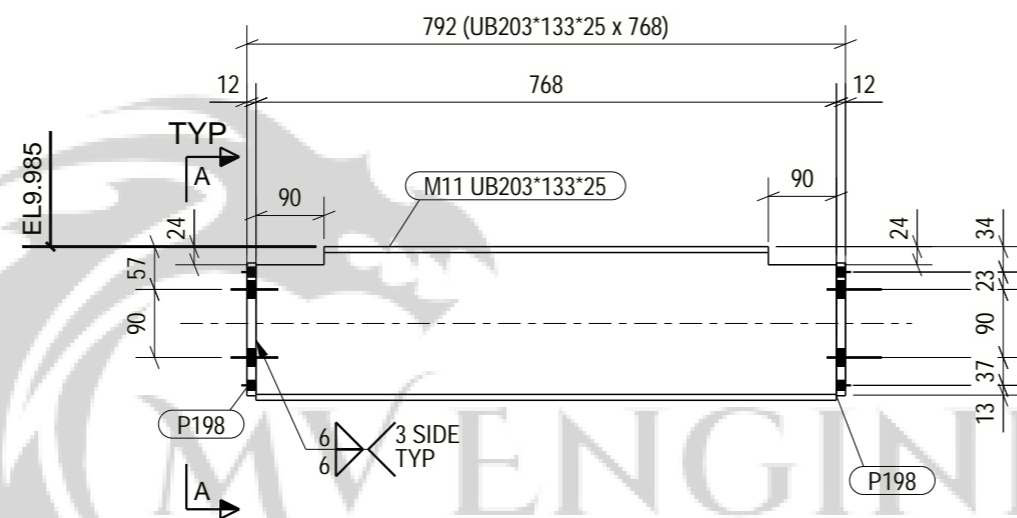
All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT      **0**      QTY      **1**

PHASE      **1**      QTY      **1**



**SECTION A - A**  
1:10

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B69**

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

<b>CONTRACT NO:</b> 1001	<b>DRAWING NO:</b> [B.69]	<b>REV:</b> A
-----------------------------	------------------------------	------------------

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M82	UB457*191*67	S355-JR	1	330	0.561	21.9
P149	PLT15*210	S275-JR	1	750	0.344	18.5
P150	FLT15*300	S275-JR	1	300	0.119	6.1
P155	FLT10*90	S275-JR	2	425	0.171	5.9
				<b>Total</b>	1.195	52.5

**GENERAL NOTES**

All Holes to be **22 Dia UNO** Slot hole length is to outside

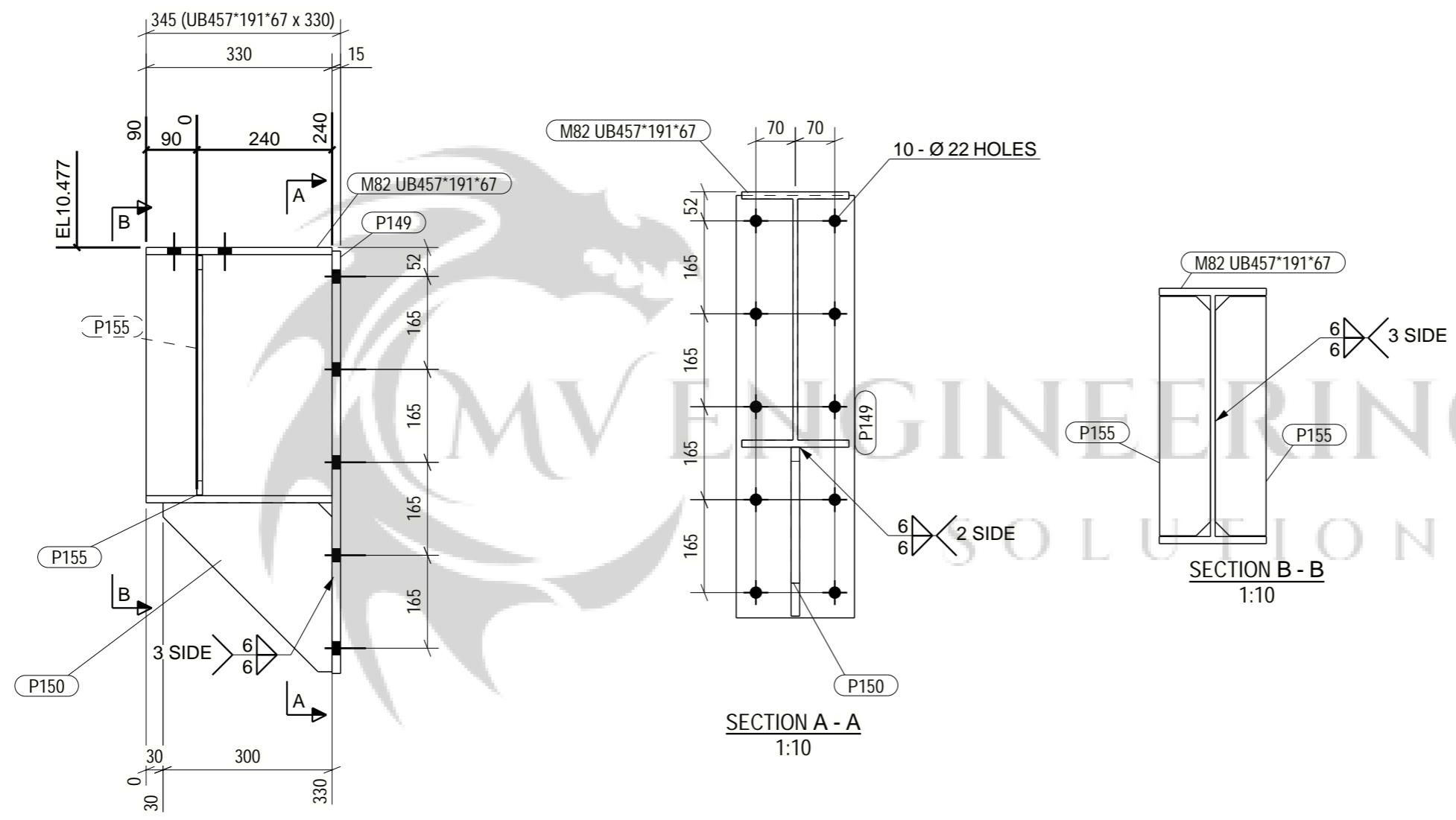
All Welds to be **6 FW. UNO**

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT **0** QTY **5**

PHASE **1** QTY **5**



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

5 No. BEAM

REQUIRED AS DRAWN MARKED B70

ASSEMBLY / SUB ASSEMBLY STATUS	
5	THIS IS IT'S OWN ASSEMBLY

ISSUED FOR APPROVAL					
REV	DESCRIPTION	By	Date	By	Date
A		NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

CONTRACT NO: 1001      DRAWING NO: [B.70]      REV: A

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M219	UB203*133*25	S355-JR	1	952	0.862	22.7
P198	FLT12*140	S275-JR	1	176	0.057	2.3
P214	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	0.976	27.3

**GENERAL NOTES**

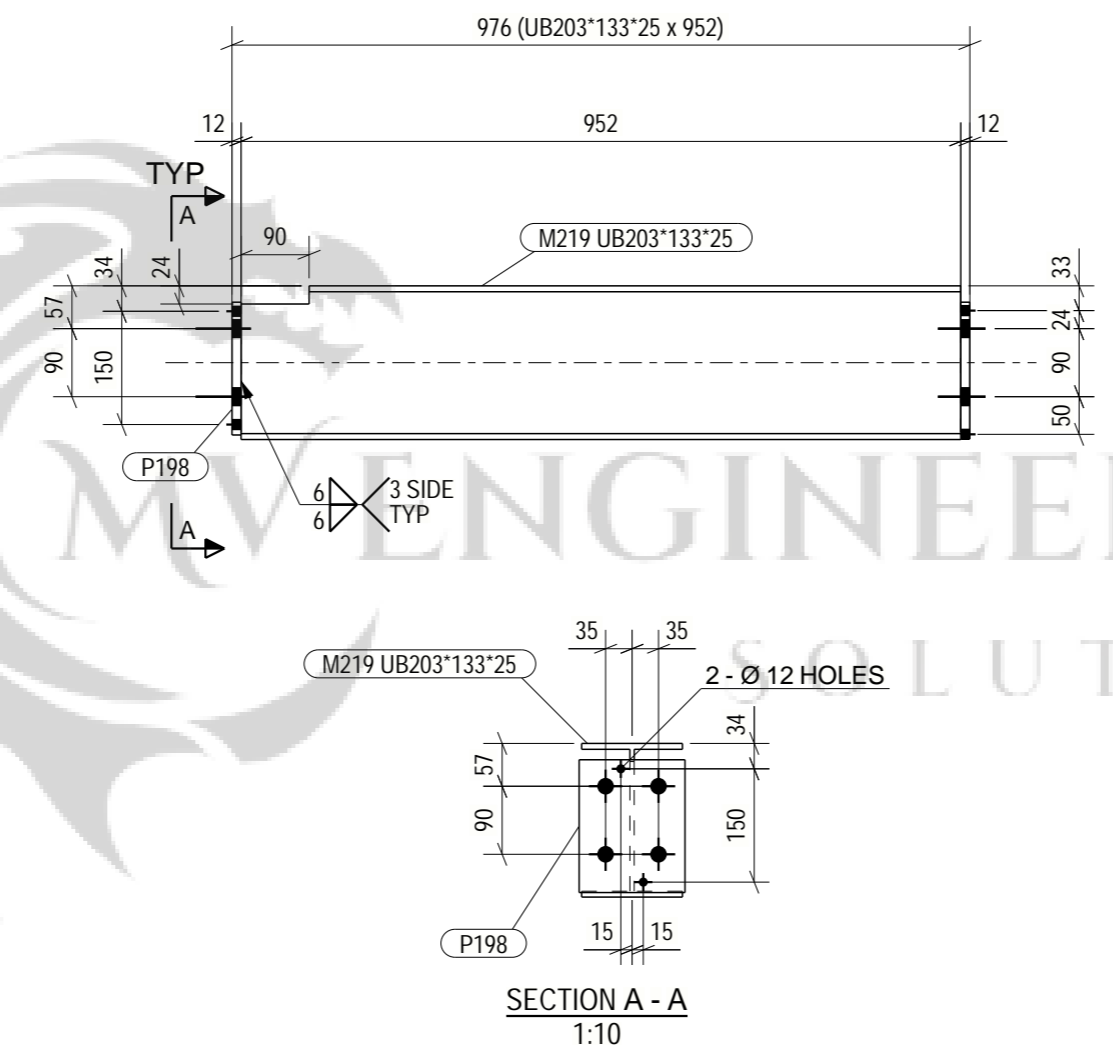
All Holes to be **22** Dia UNO      Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



1 No. BEAM

REQUIRED AS DRAWN MARKED B71

REV	MARK	DESCRIPTION	By	Date	By	Date
			NW	22.11.2022	GSG	22.11.2022
			CREATED		CHECKED	
		<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>		<b>REV:</b>	
		1001	[B.71]		A	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

Tekla Structures



SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M75	UB203*133*25	S355-JR	1	767	0.664	17.4
P46	FLT12*150	S275-JR	1	193	0.066	2.7
P198	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	0.787	22.4

**GENERAL NOTES**

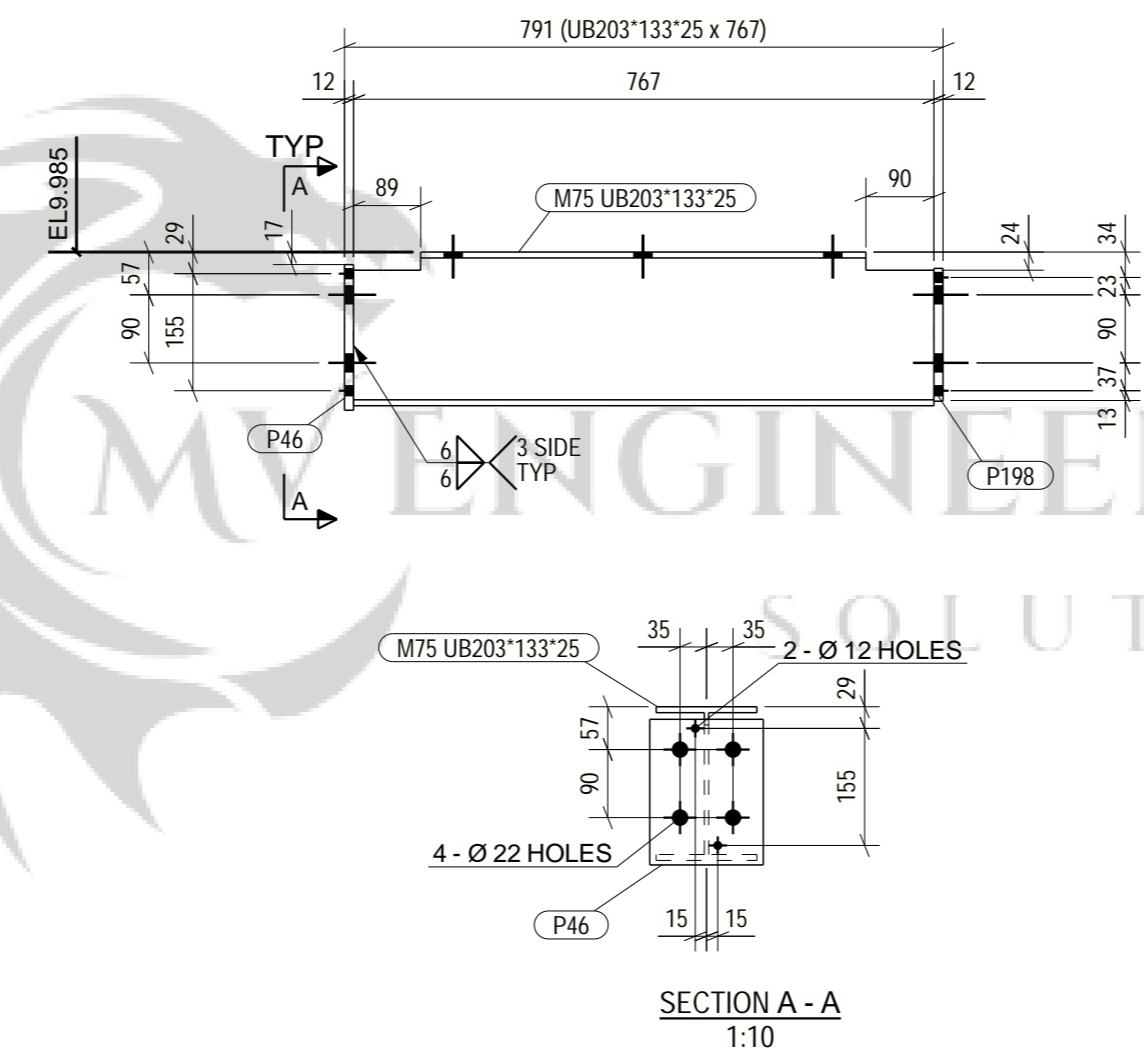
All Holes to be **22** Dia UNO Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B72

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

CONTRACT NO: 1001

DRAWING NO: [B.72]

REV: A

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M139	PFC-150*75*18	S355-JR	1	220	0.134	3.8
P146	PLT10*69	S275-JR	2	138	0.044	1.4
				<b>Total</b>	0.178	5.3

**GENERAL NOTES**

All Holes to be **22** Dia UNO      Slot hole length is to outside

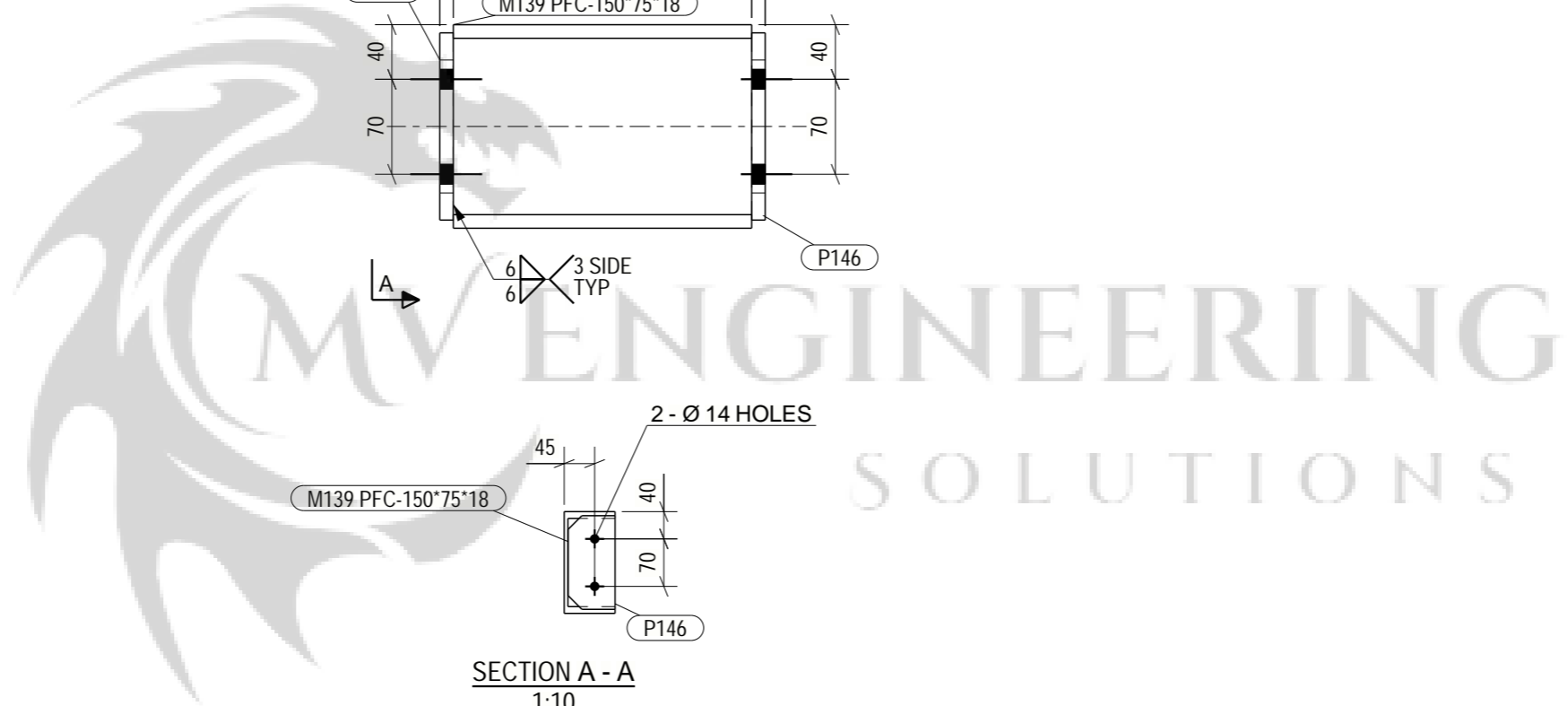
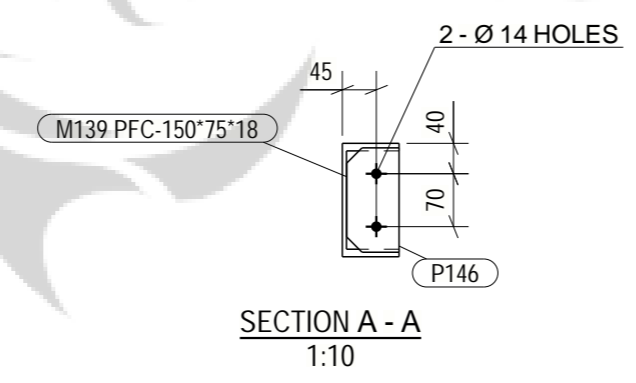
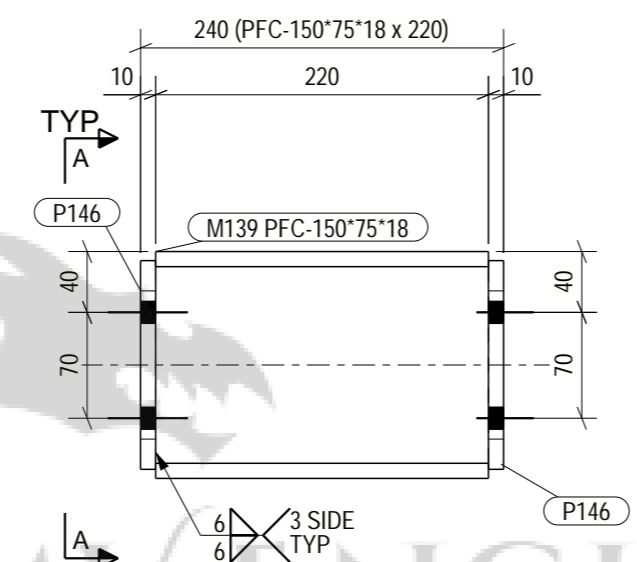
All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

**FINISH                      GALV**

LOT            **0**                      QTY            **6**

PHASE        **1**                      QTY            **6**



REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL -TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**6 No. BEAM                      REQUIRED AS DRAWN MARKED                      B73**

ASSEMBLY / SUB ASSEMBLY STATUS	
6	THIS IS IT'S OWN ASSEMBLY

**CONTRACT NO:** 1001      **DRAWING NO:** [B.73]      **REV:** A

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY

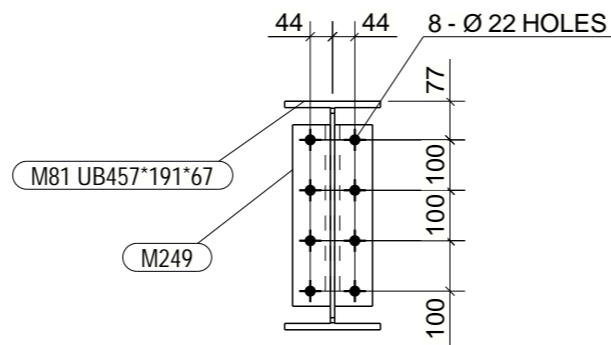
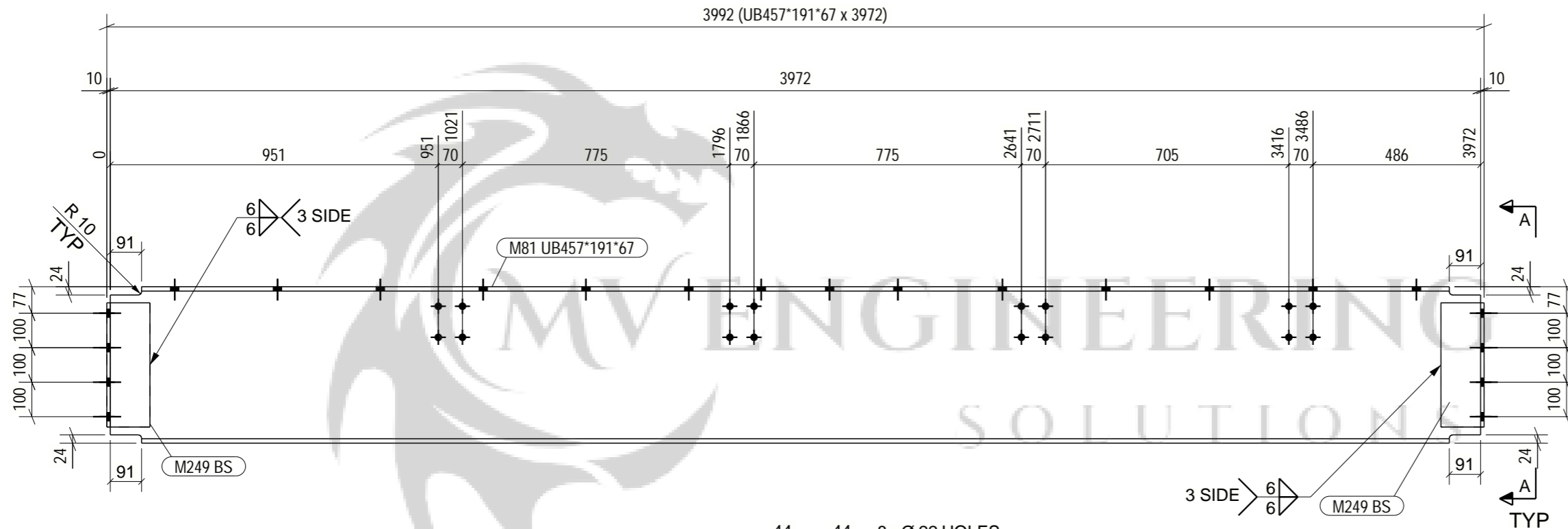
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M81	UB457*191*67	S355-JR	1	3972	6.419	256.7
M249	RSA125*75*10	S355-JR	4	360	0.591	21.5
<b>Total</b>					<b>7.010</b>	<b>278.1</b>

GENERAL NOTES

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



1 No. BEAM

REQUIRED AS DRAWN MARKED B75

MASS EACH = (APPROX)  
 THIRD ANGLE PROJECTION DO NOT SCALE  
 ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

SHOP NOTES:  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

TOLERANCES  
 FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.75]	A

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

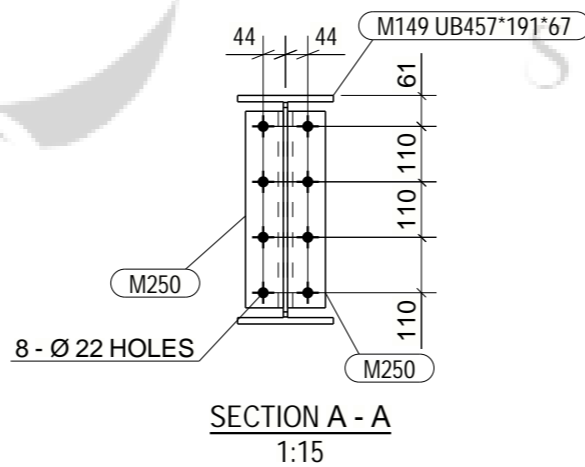
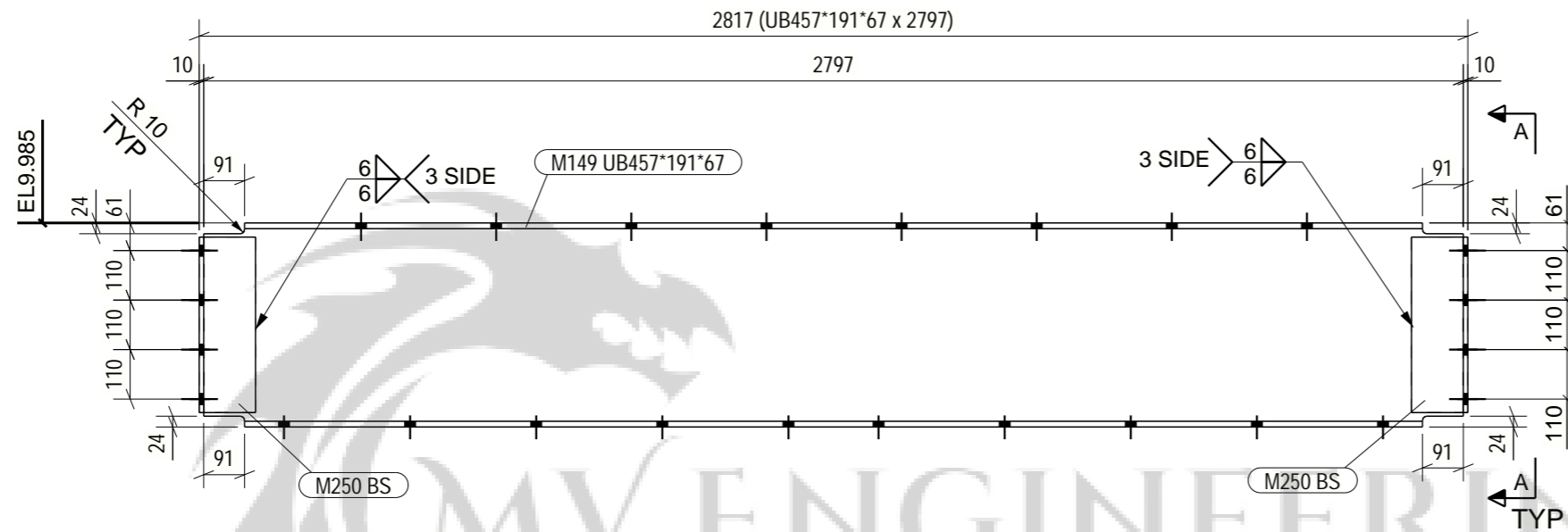
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M149	UB457*191*67	S355-JR	1	2797	4.480	178.6
M250	RSA125*75*10	S355-JR	4	390	0.639	23.3
<b>Total</b>					5.120	201.9

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B76

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.76]	A

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M60	UB457*191*67	S355-JR	1	3722	6.156	247.2
P143	PLT12*185.2	S275-JR	1	358	0.138	5.9
P213	FLT12*180	S275-JR	1	441	0.174	7.5
P215	FLT12*220	S275-JR	1	441	0.210	9.1
<b>Total</b>					<b>6.678</b>	<b>269.8</b>

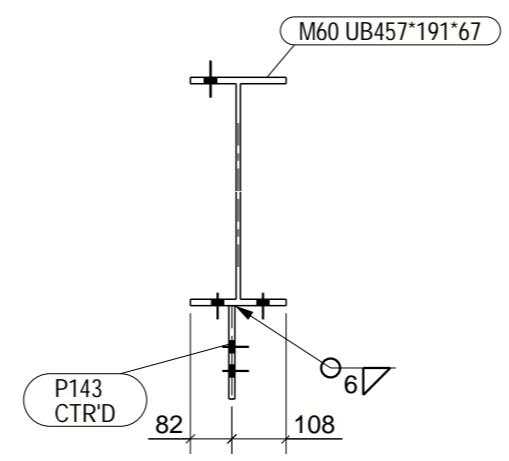
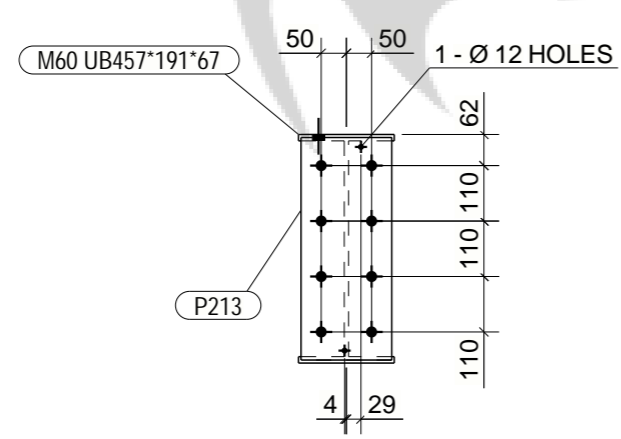
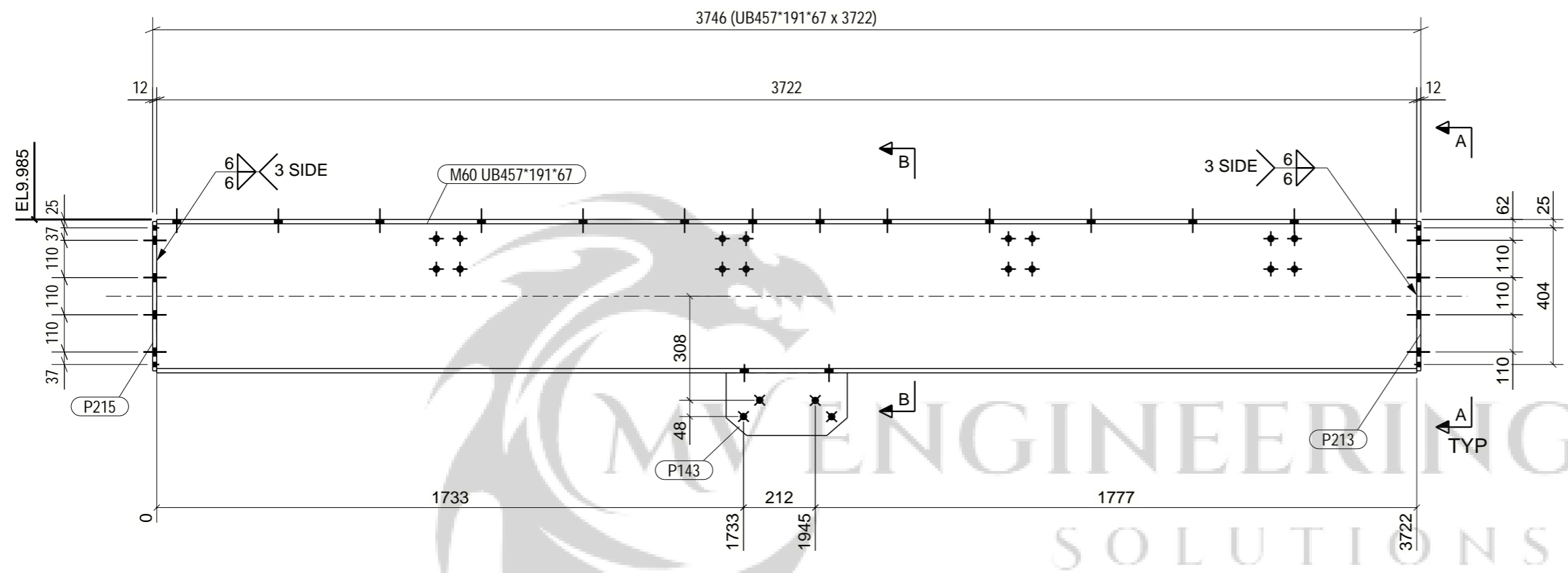
**GENERAL NOTES**

All Holes to be **22 Dia UNO** Slot hole length is to outside  
All Welds to be **6 FW. UNO**

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT **0** QTY **1**  
PHASE **1** QTY **1**



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

**SHOP NOTES:**

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B77**

A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
		By	Date	By	Date
REV	DESCRIPTION	CREATED		CHECKED	

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

**CONTRACT NO:** 1001  
**DRAWING NO:** [B.77]  
**REV:** A

Tekla Structures

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

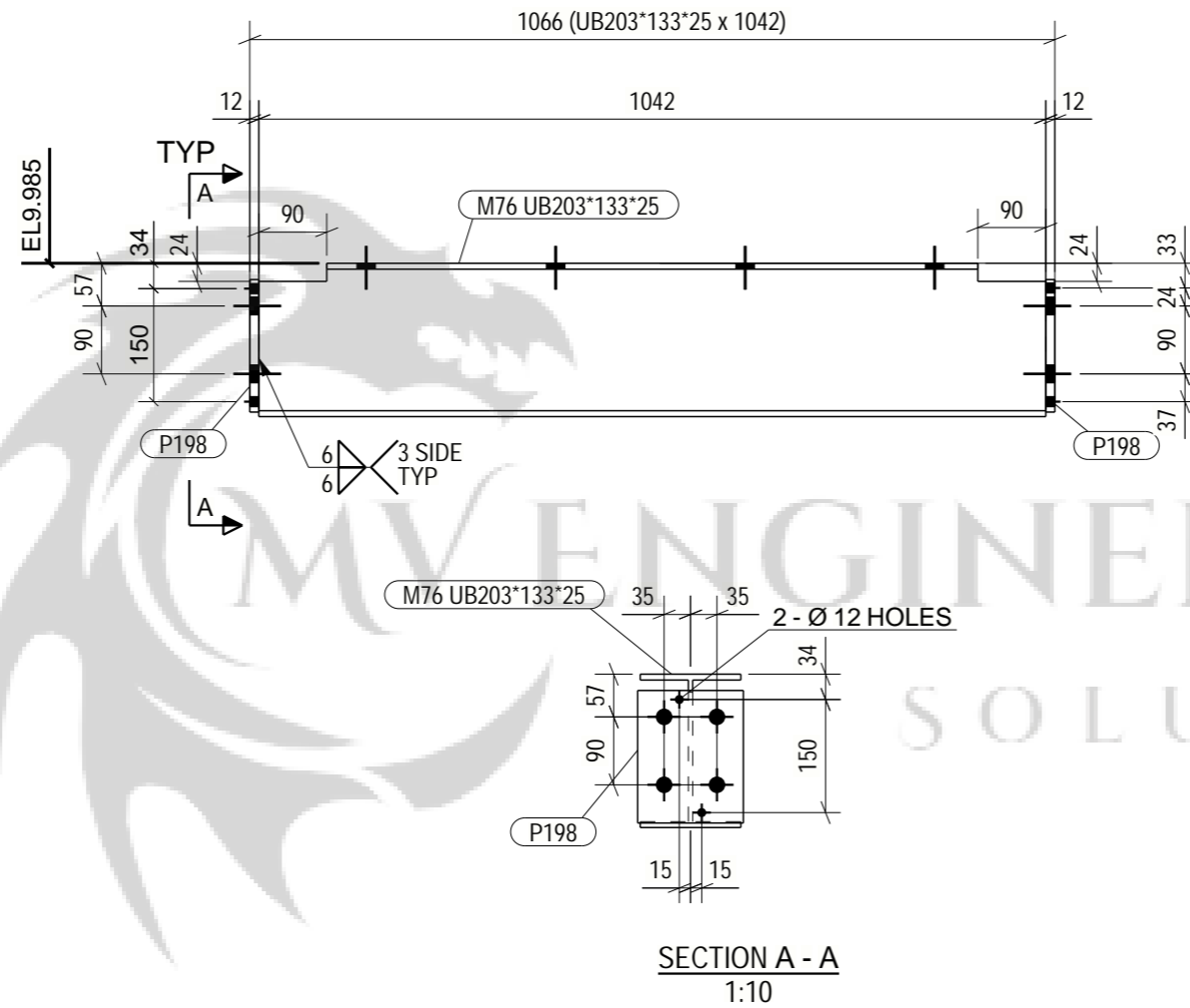
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M76	UB203*133*25	S355-JR	1	1042	0.919	24.2
P198	FLT12*140	S275-JR	2	176	0.113	4.6
				<b>Total</b>	1.032	28.8

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B78

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.78]	A

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

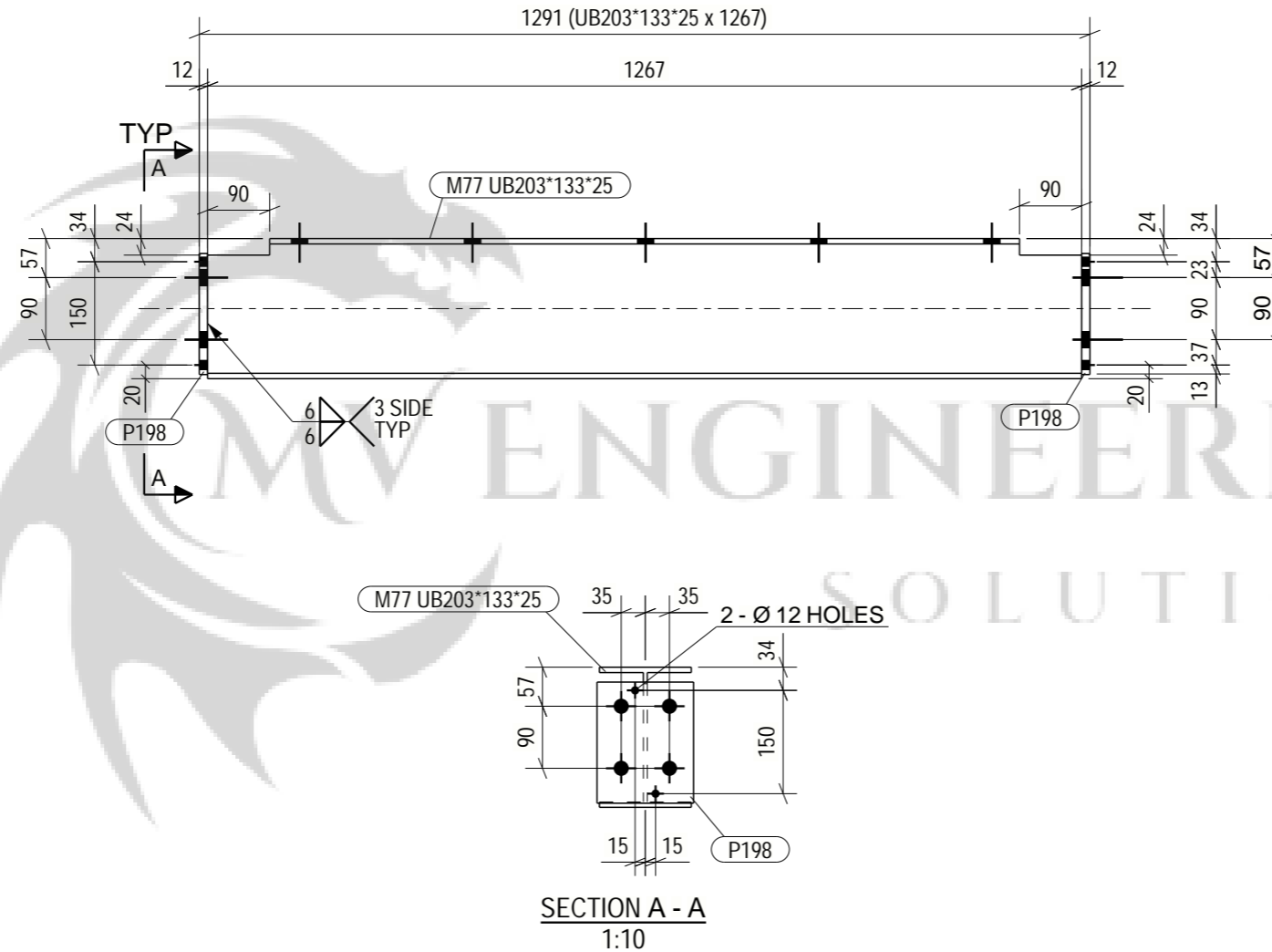
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M77	UB203*133*25	S355-JR	1	1267	1.128	29.7
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					1.241	34.3

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B79

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.79]	A

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M61	UB457*191*67	S355-JR	1	3722	6.156	247.2
P143	PLT12*185.2	S275-JR	1	358	0.138	5.9
P216	FLT12*220	S275-JR	1	441	0.210	9.1
P217	FLT12*220	S275-JR	1	441	0.210	9.1
<b>Total</b>					<b>6.714</b>	<b>271.5</b>

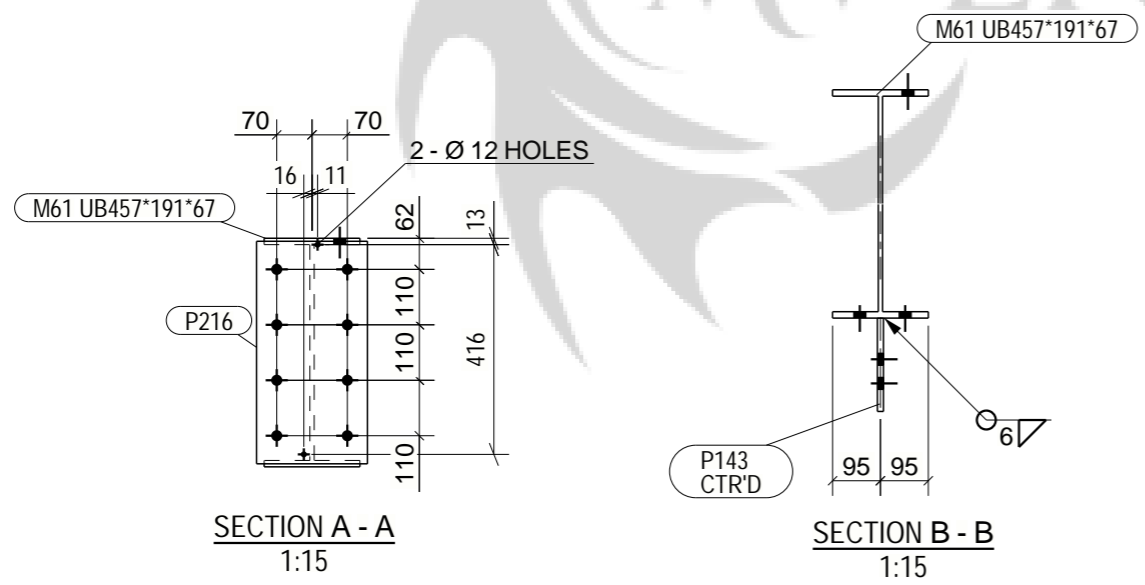
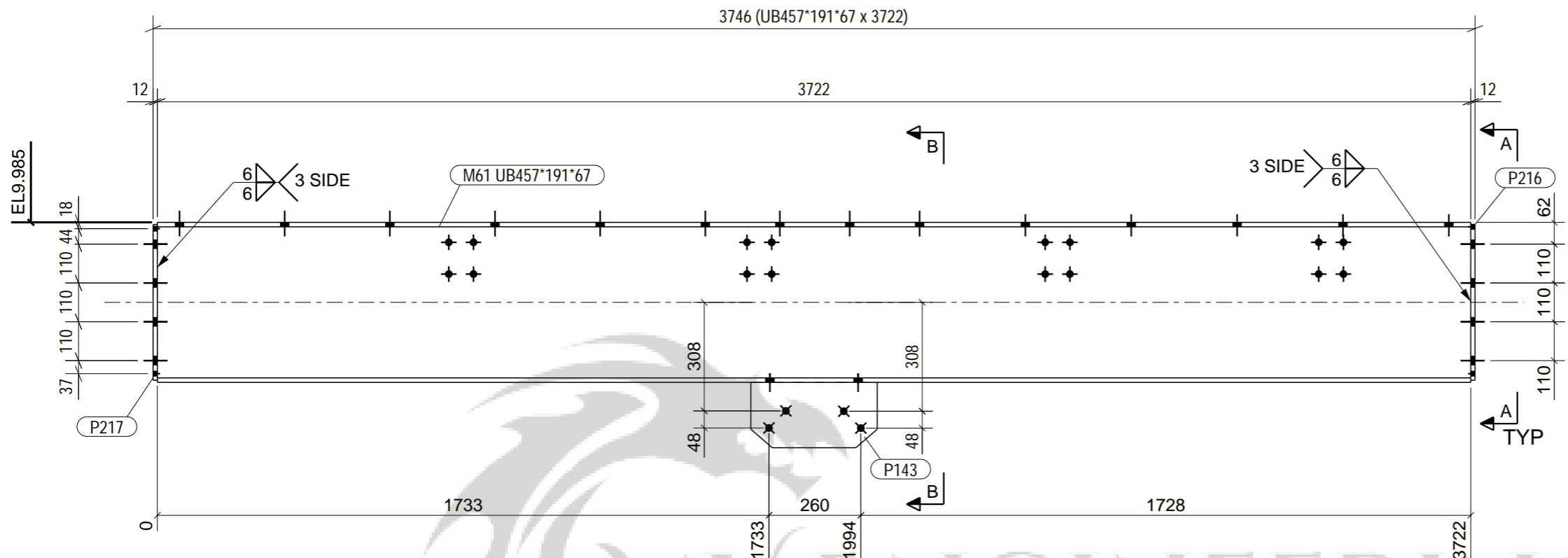
**GENERAL NOTES**

All Holes to be **22 Dia UNO** Slot hole length is to outside  
All Welds to be **6 FW. UNO**

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT **0** QTY **1**  
PHASE **1** QTY **1**



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B80

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

CONTRACT NO: 1001      DRAWING NO: [B.80]      REV: A



Tekla Structures



SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M125	PFC-150*75*18	S355-JR	1	220	0.134	3.8
M139	PFC-150*75*18	S355-JR	1	220	0.134	3.8
P146	PLT10*69	S275-JR	4	138	0.089	2.9
				<b>Total</b>	0.357	10.5

**GENERAL NOTES**

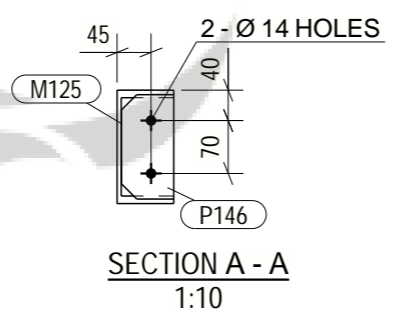
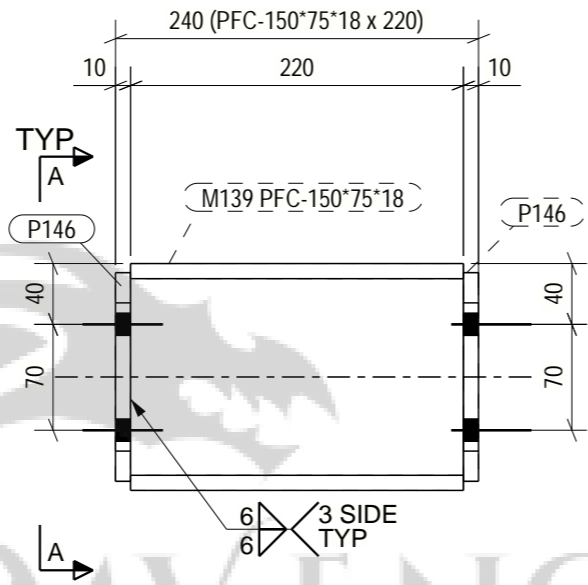
All Holes to be **22 Dia UNO** Slot hole length is to outside

All Welds to be **6 FW. UNO**

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



MV ENGINEERING SOLUTIONS

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL -TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B85

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

CONTRACT NO: 1001      DRAWING NO: [B.85]      REV: A

Tekla Structures



SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M86	UB203*133*25	S355-JR	1	1612	1.448	38.2
P198	FLT12*140	S275-JR	1	176	0.057	2.3
P210	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	1.561	42.9

**GENERAL NOTES**

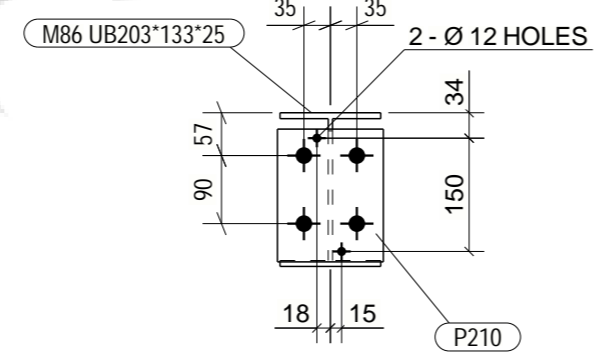
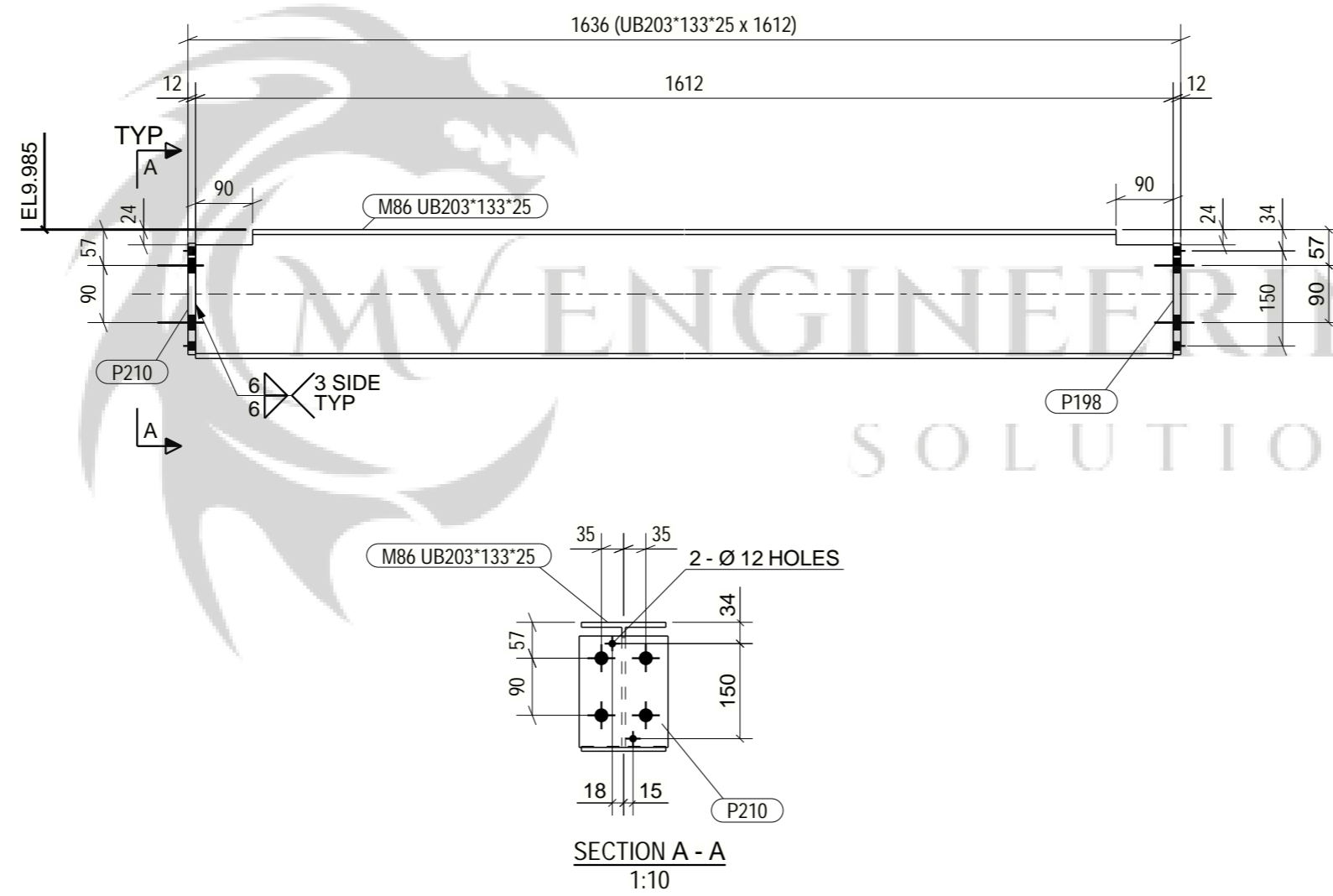
All Holes to be **22** Dia UNO      Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH                      **GALV**

LOT	<b>0</b>	QTY	<b>2</b>
PHASE	<b>1</b>	QTY	<b>2</b>



REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

2 No. BEAM

REQUIRED AS DRAWN MARKED B88

ASSEMBLY / SUB ASSEMBLY STATUS	
2	THIS IS IT'S OWN ASSEMBLY

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.88]	A

Tekla Structures

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

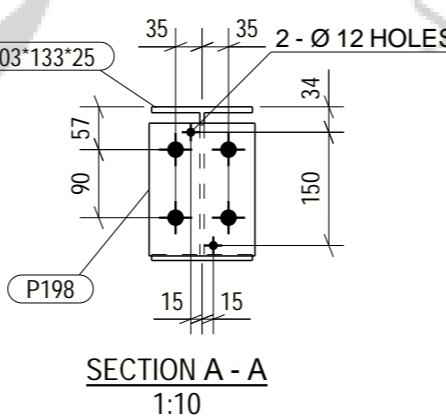
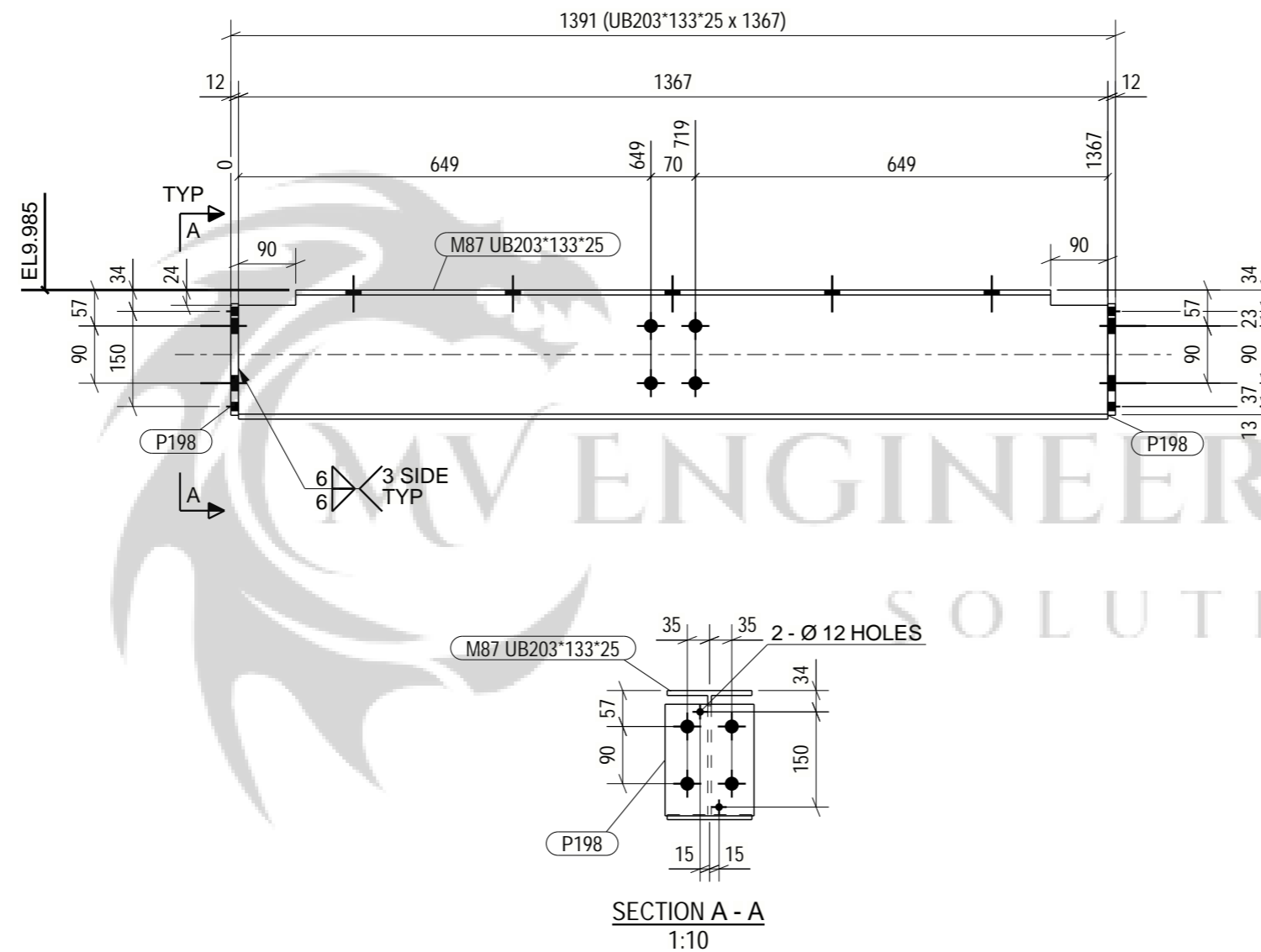
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M87	UB203*133*25	S355-JR	1	1367	1.221	32.2
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					1.334	36.8

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B89

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

CONTRACT NO: 1001      DRAWING NO: [B.89]      REV: A

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M88	UB203*133*25	S355-JR	1	1367	1.221	32.2
P198	FLT12*140	S275-JR	1	176	0.057	2.3
P210	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	1.334	36.8

**GENERAL NOTES**

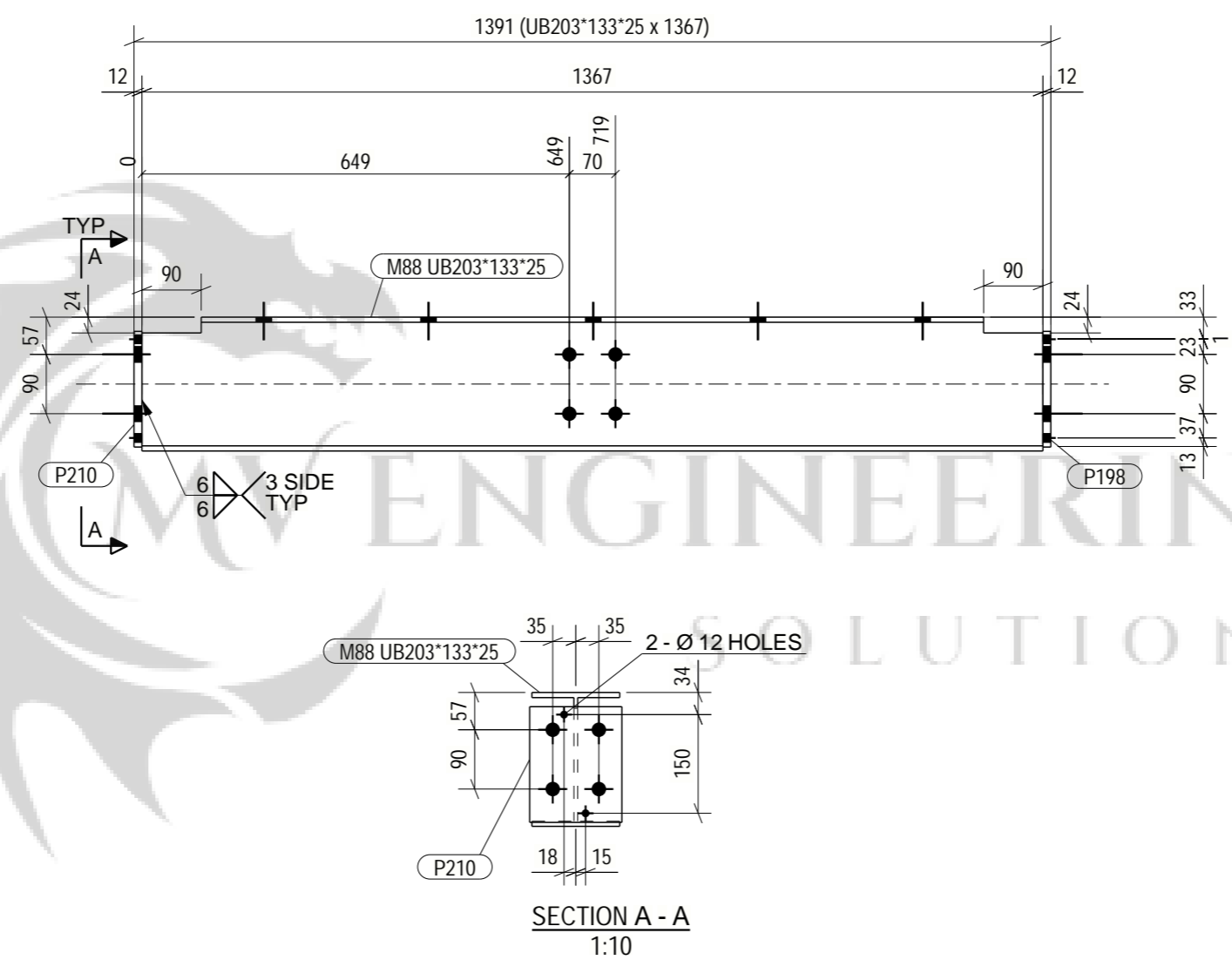
All Holes to be **22** Dia UNO      Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



**1 No. BEAM      REQUIRED AS DRAWN MARKED      B90**

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.90]	A

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

Tekla Structures

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

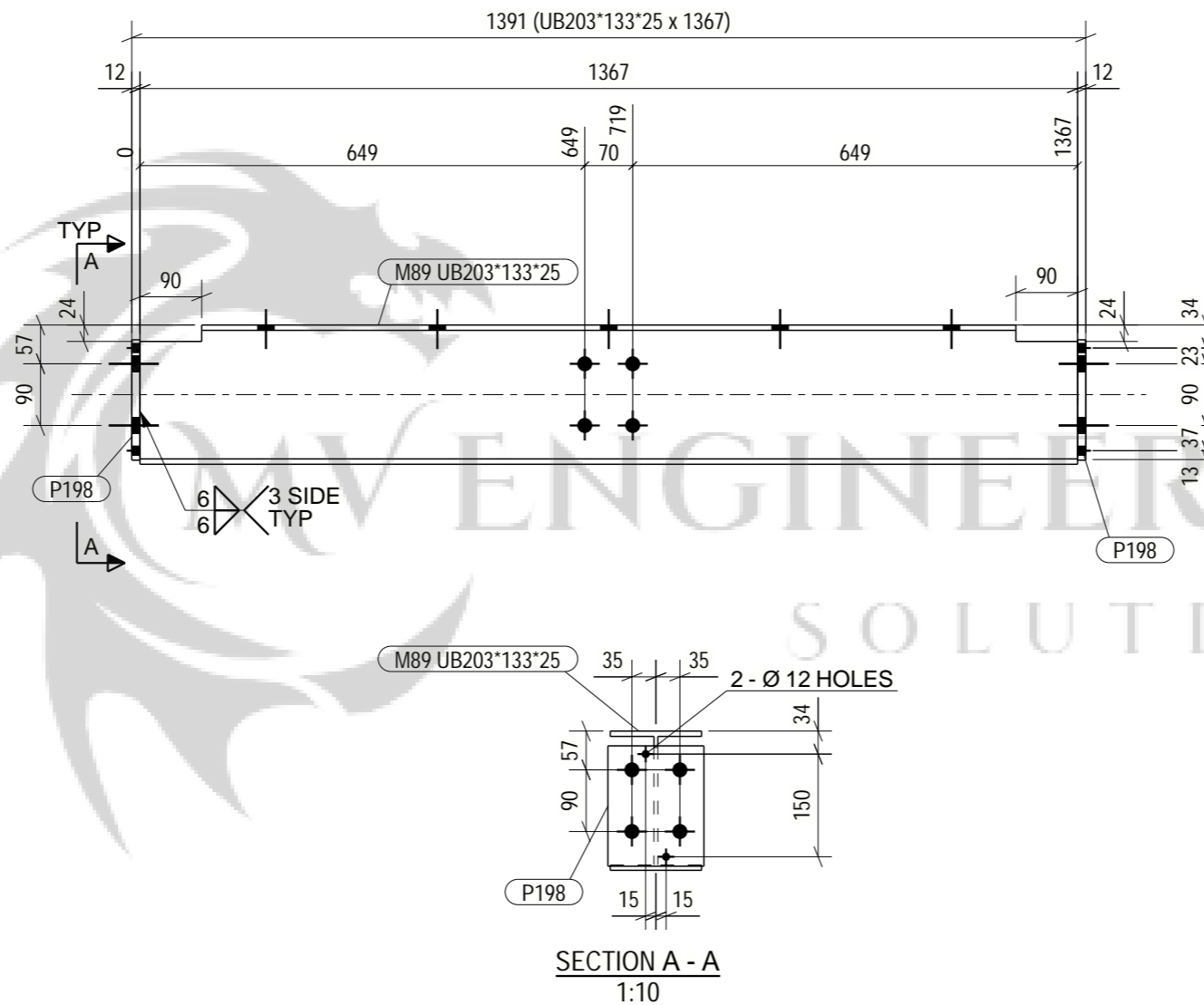
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M89	UB203*133*25	S355-JR	1	1367	1.221	32.2
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					1.334	36.8

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	0	QTY 1
PHASE	1	QTY 1



1 No. BEAM

REQUIRED AS DRAWN MARKED B91

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.91]	A

Tekla Structures

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

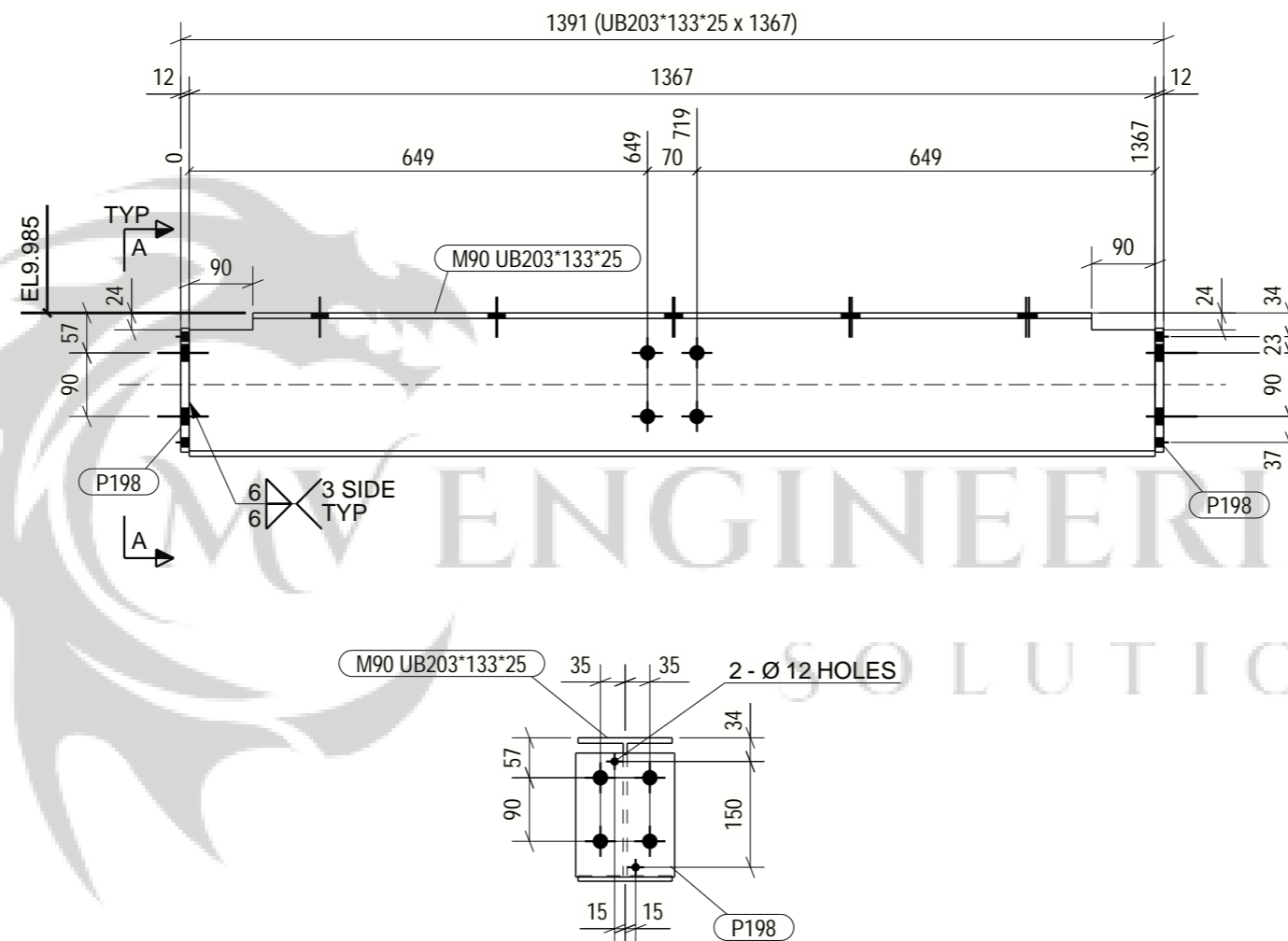
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M90	UB203*133*25	S355-JR	1	1367	1.221	32.2
P198	FLT12*140	S275-JR	2	176	0.113	4.6
				<b>Total</b>	<b>1.334</b>	<b>36.8</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO Slot hole length is to outside  
 All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH	GALV	
LOT	<b>0</b>	QTY <b>1</b>
PHASE	<b>1</b>	QTY <b>1</b>



**SECTION A - A**  
1:10

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE  
 ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
 ALL DIMENSIONS IN MILLIMETRES.  
 REMOVE BURRS & SHARP EDGES.  
 ALL BOLTS TO BE GRADE 8.8 U.S.O.  
 FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
 FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

**SHOP NOTES:**  
 MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
 ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
 ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
 ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
 EXECUTION CLASS TO BE EXC2.  
 WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
 ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
 SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
 HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

**1 No. BEAM**

**REQUIRED AS DRAWN MARKED B92**

**TOLERANCES**  
 FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
 FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
	A		NW	22.11.2022	GSG	22.11.2022		

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.92]	A

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M91	UB203*133*25	S355-JR	1	1367	1.221	32.2
P198	FLT12*140	S275-JR	1	176	0.057	2.3
P210	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	1.334	36.8

**GENERAL NOTES**

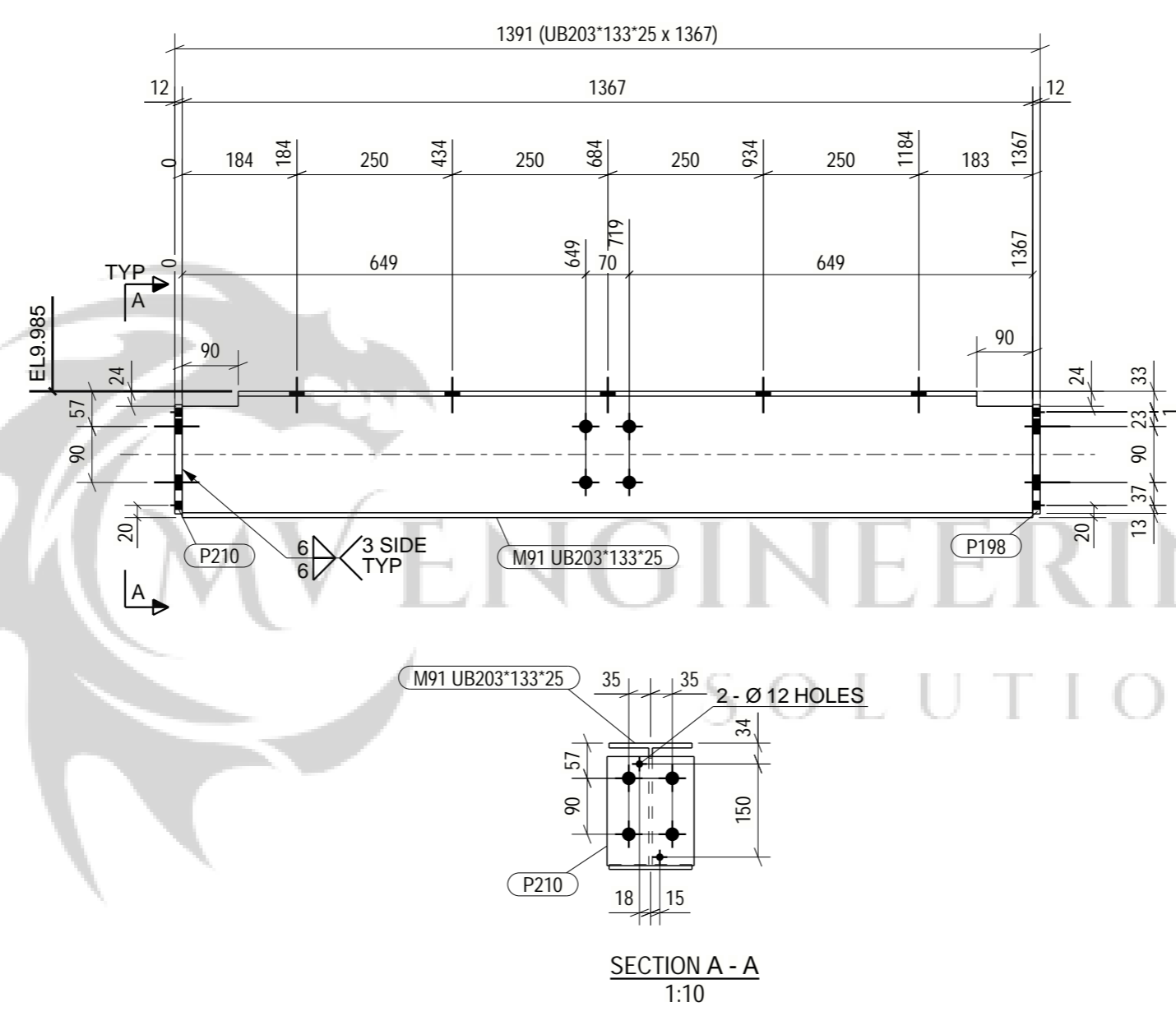
All Holes to be **22** Dia UNO Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



ISSUED FOR APPROVAL					
REV	DESCRIPTION	By	Date	By	Date
A		NW	22.11.2022	GSG	22.11.2022
MARK		CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B93

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

CONTRACT NO: 1001

DRAWING NO: [B.93]

REV: A

Tekla Structures



SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M11	UB203*133*25	S355-JR	1	768	0.664	17.4
P198	FLT12*140	S275-JR	2	176	0.113	4.6
<b>Total</b>					<b>0.777</b>	<b>22.0</b>

**GENERAL NOTES**

All Holes to be **22** Dia UNO      Slot hole length is to outside

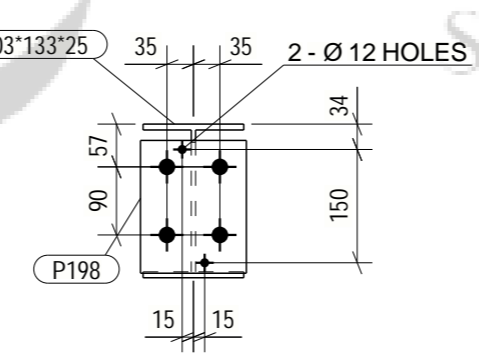
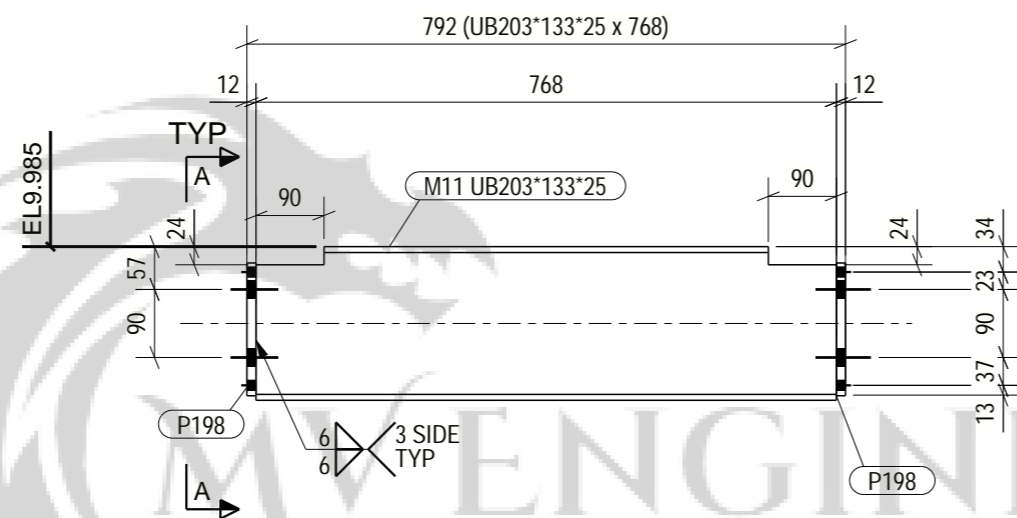
All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT      **0**      QTY      **3**

PHASE      **1**      QTY      **3**



SECTION A - A  
1:10

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.251]	A

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

3 No. BEAM      REQUIRED AS DRAWN MARKED      B251

ASSEMBLY / SUB ASSEMBLY STATUS	
3	THIS IS IT'S OWN ASSEMBLY

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M17	UB203*133*25	S355-JR	1	969	0.842	22.1
P45	FLT12*140	S275-JR	1	172	0.056	2.3
P197	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	0.955	26.7

**GENERAL NOTES**

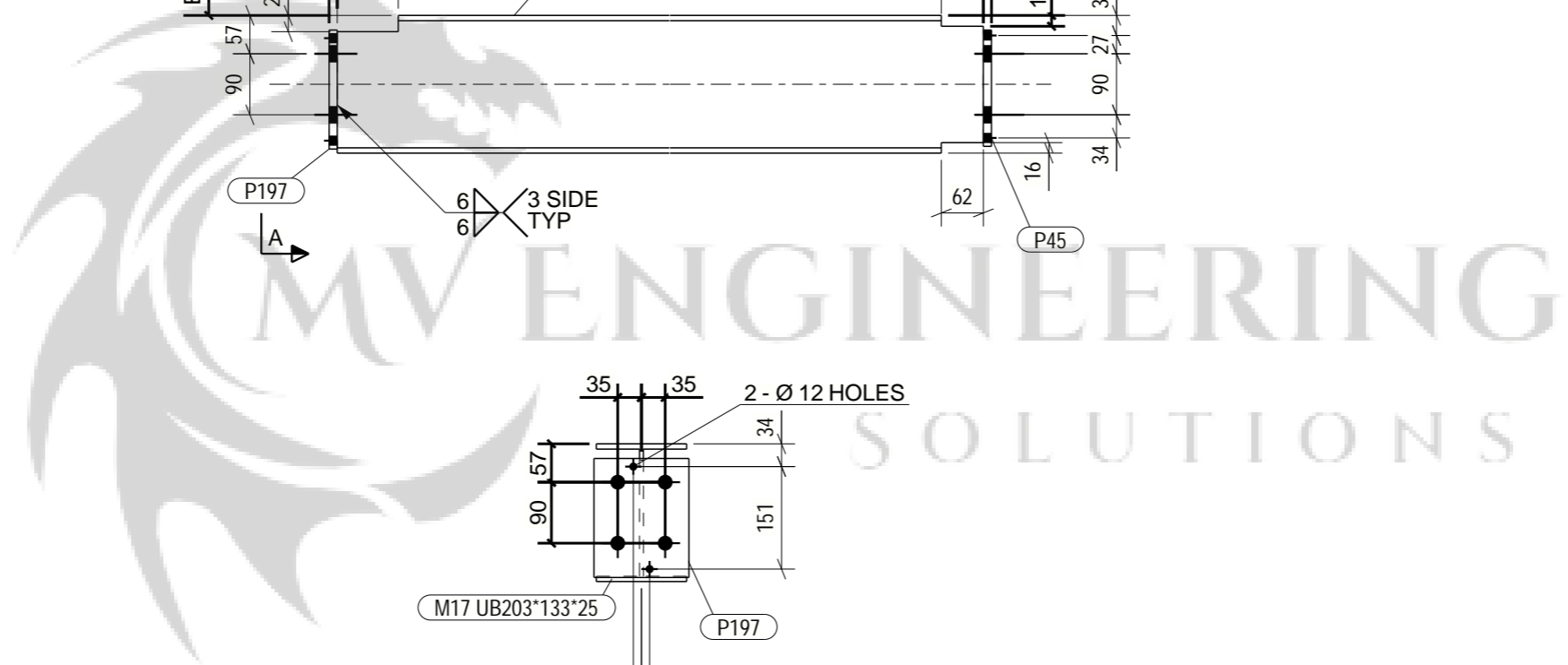
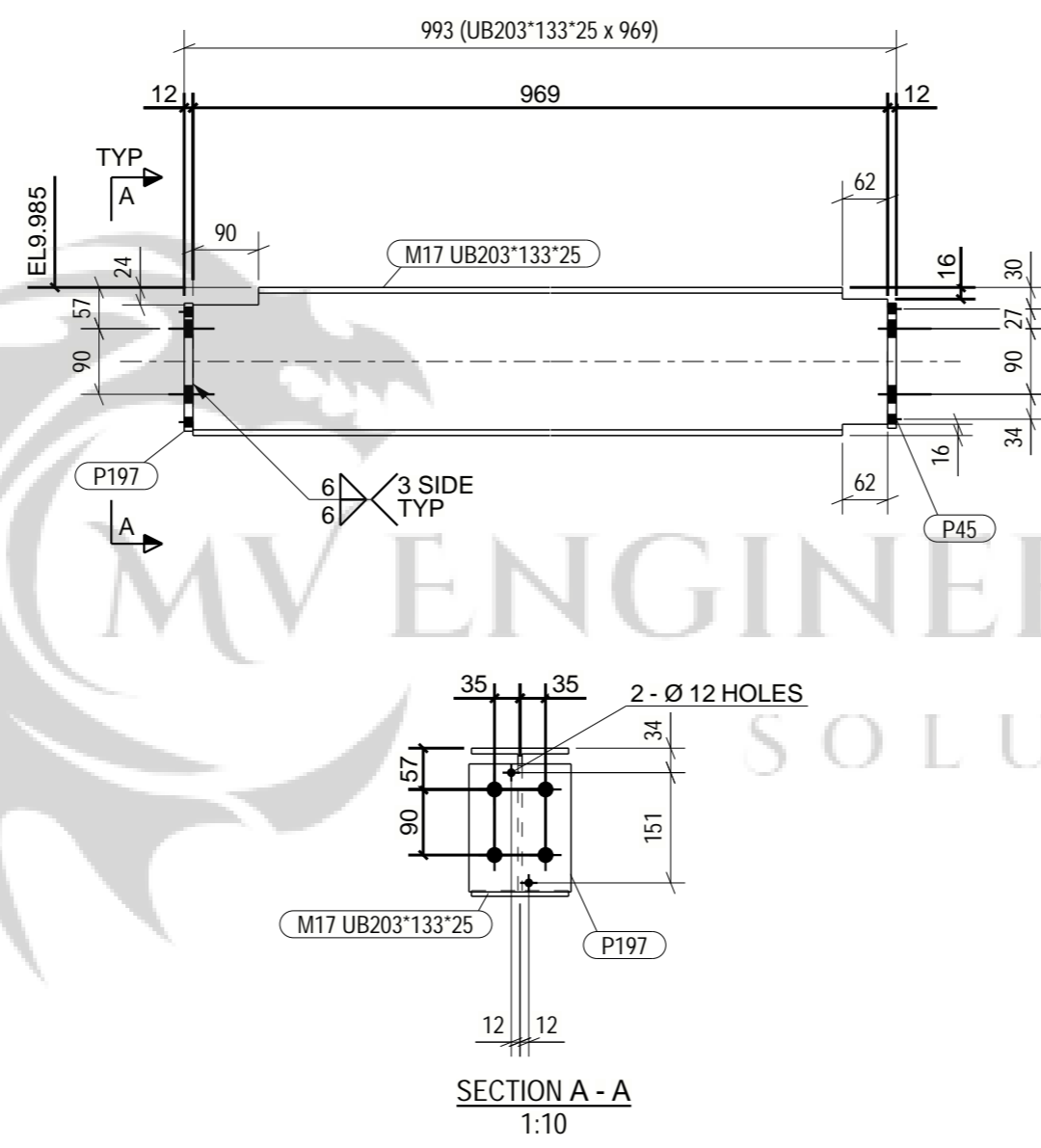
All Holes to be **22** Dia UNO      Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT	<b>0</b>	QTY	<b>5</b>
PHASE	<b>1</b>	QTY	<b>5</b>



REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.252]	A

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

5 No. BEAM

REQUIRED AS DRAWN MARKED B252

ASSEMBLY / SUB ASSEMBLY STATUS	
5	THIS IS IT'S OWN ASSEMBLY

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M14	UB203*133*25	S355-JR	1	1042	0.919	24.2
P198	FLT12*140	S275-JR	1	176	0.057	2.3
P209	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	1.032	28.8

**GENERAL NOTES**

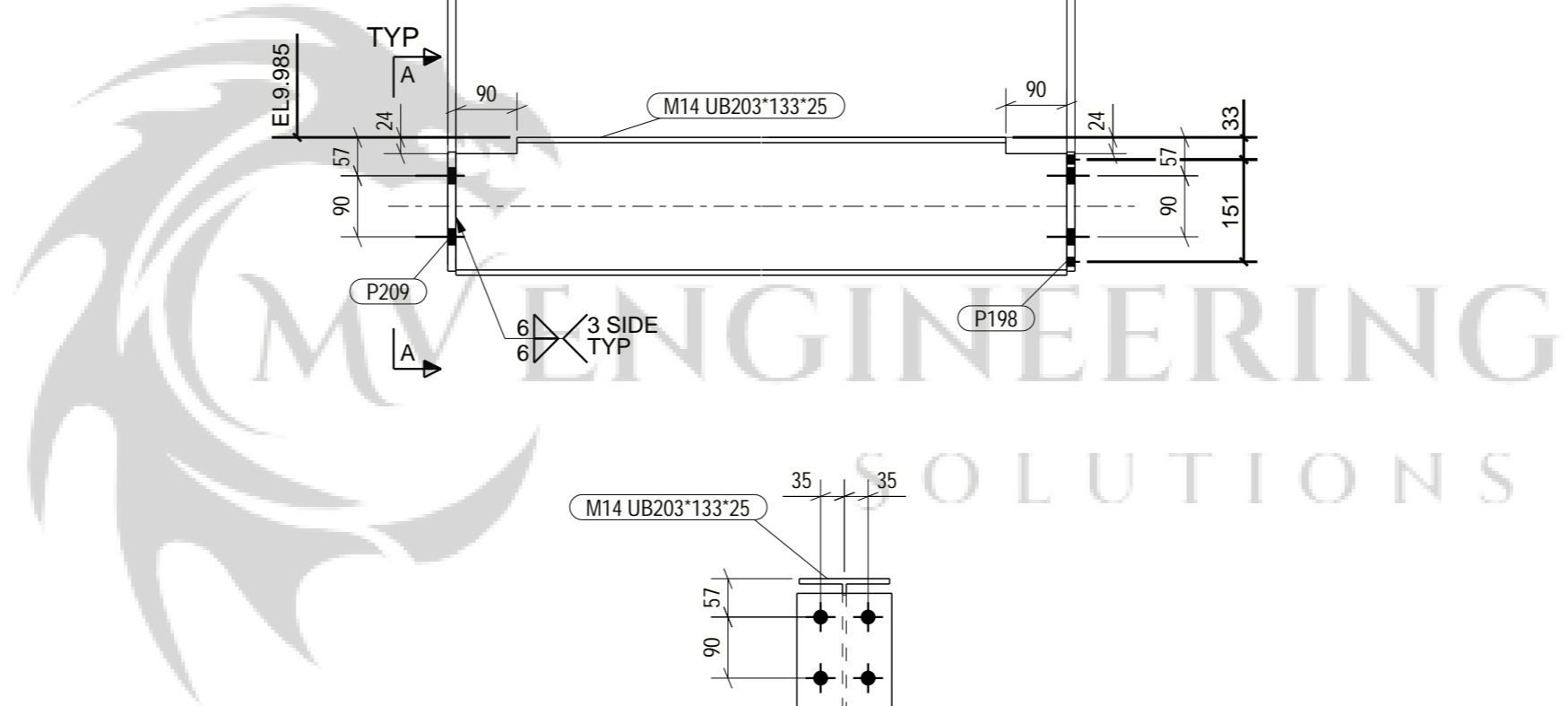
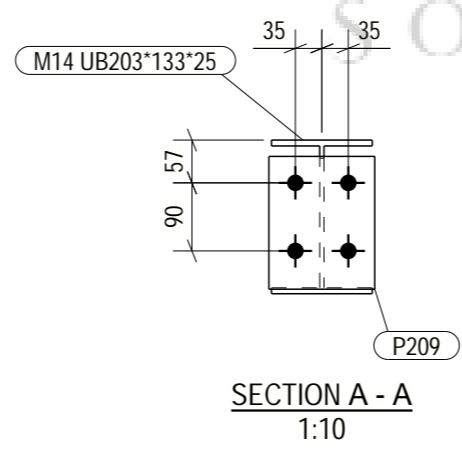
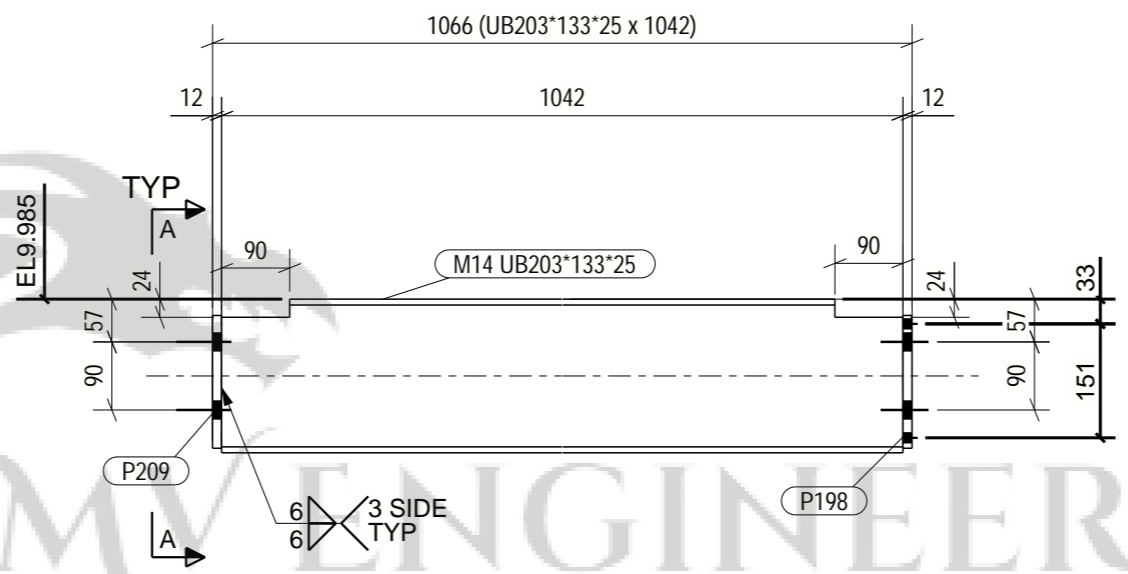
All Holes to be **22** Dia UNO      Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

<b>CONTRACT NO:</b>	<b>DRAWING NO:</b>	<b>REV:</b>
1001	[B.255]	A

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B255

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M19	UB203*133*25	S355-JR	1	1367	1.221	32.2
P198	FLT12*140	S275-JR	1	176	0.057	2.3
P210	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	1.334	36.8

**GENERAL NOTES**

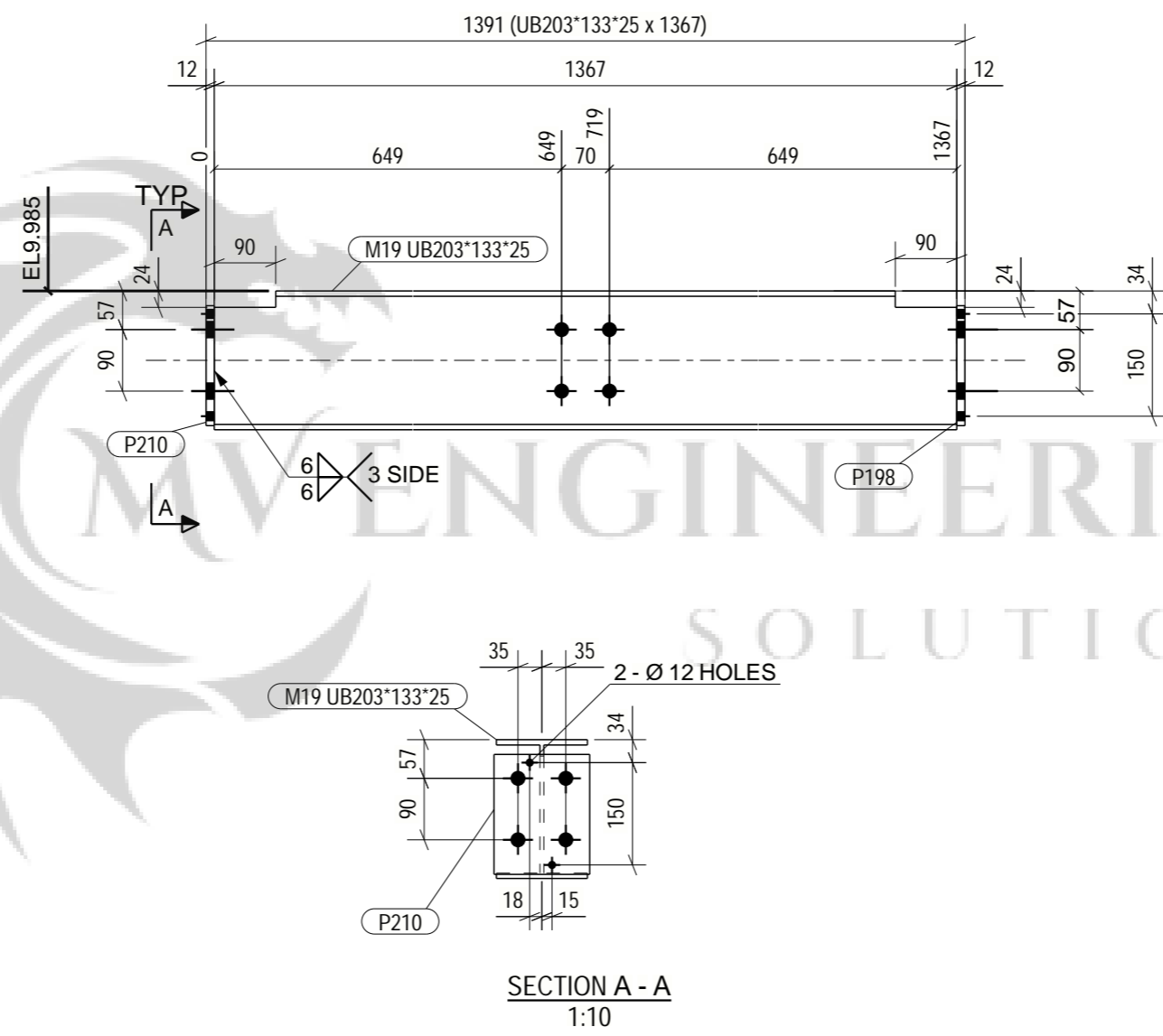
All Holes to be **22** Dia UNO      Slot hole length is to outside

All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



6  
6  
3 SIDE

2 - Ø 12 HOLES

SECTION A - A  
1:10

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O.  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B256

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

CONTRACT NO: 1001      DRAWING NO: [B.256]      REV: A

Tekla Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M86	UB203*133*25	S355-JR	1	1612	1.448	38.2
P210	FLT12*140	S275-JR	1	176	0.057	2.3
P211	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	1.561	42.9

**GENERAL NOTES**

All Holes to be **22** Dia UNO      Slot hole length is to outside

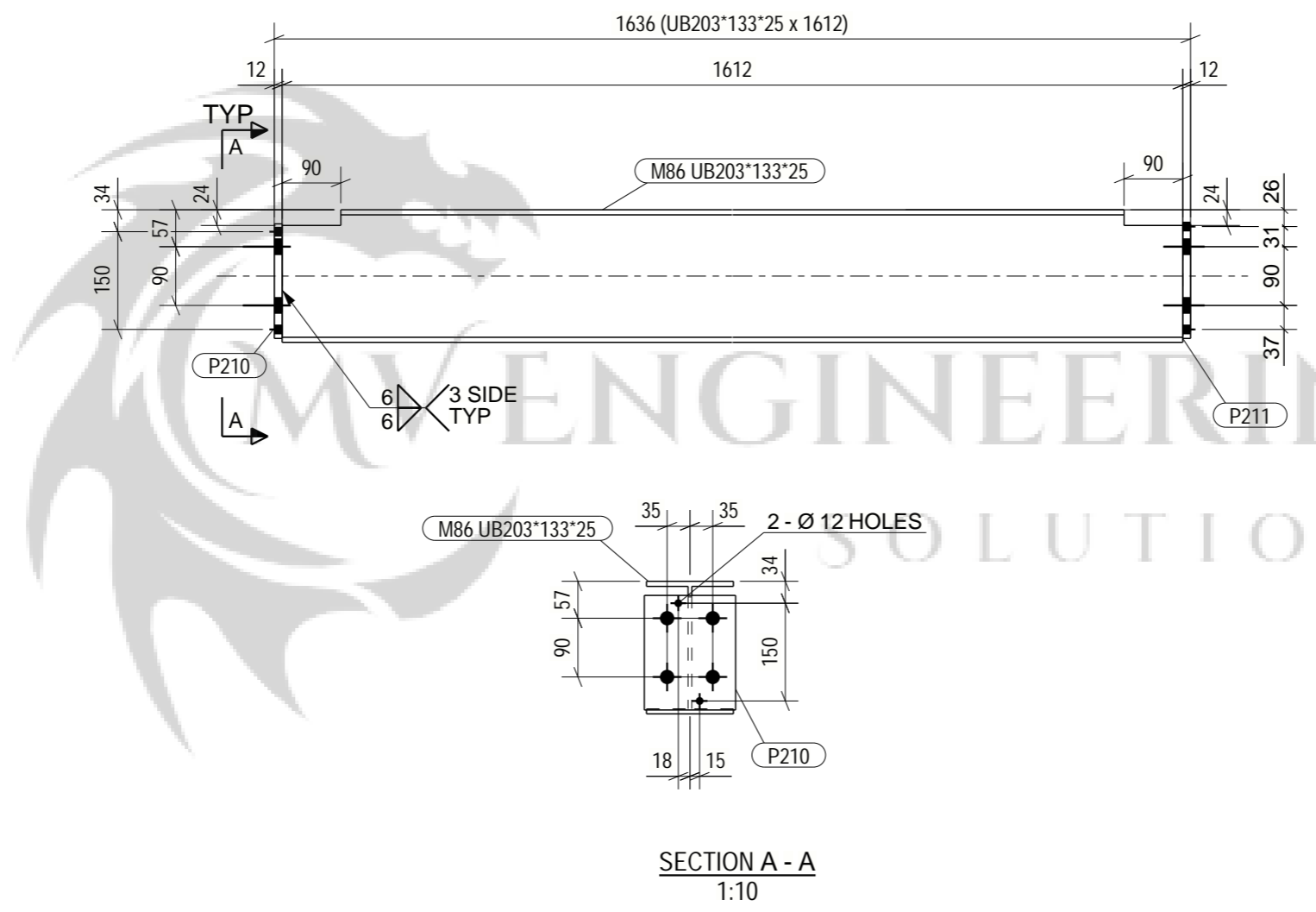
All Welds to be **6** FW. UNO

All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH      **GALV**

LOT      **0**      QTY      **1**

PHASE      **1**      QTY      **1**



MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

1 No. BEAM

REQUIRED AS DRAWN MARKED B258

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

REV	MARK	DESCRIPTION	ISSUED FOR APPROVAL		CREATED		CHECKED	
			By	Date	By	Date	By	Date
A			NW	22.11.2022	GSG	22.11.2022		

CONTRACT NO: 1001      DRAWING NO: [B.258]      REV: A

Tekla Structures



SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m) <sup>2</sup>	Weight (kg)
M247	UB203*133*25	S355-JR	1	504	0.412	10.6
P45	FLT12*140	S275-JR	1	172	0.056	2.3
P197	FLT12*140	S275-JR	1	176	0.057	2.3
				<b>Total</b>	0.524	15.2

**GENERAL NOTES**

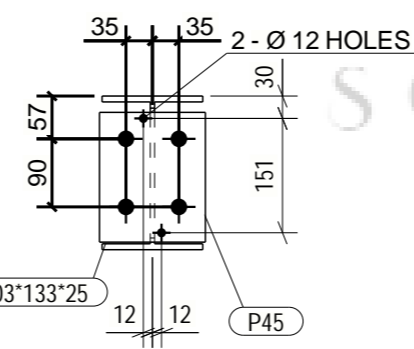
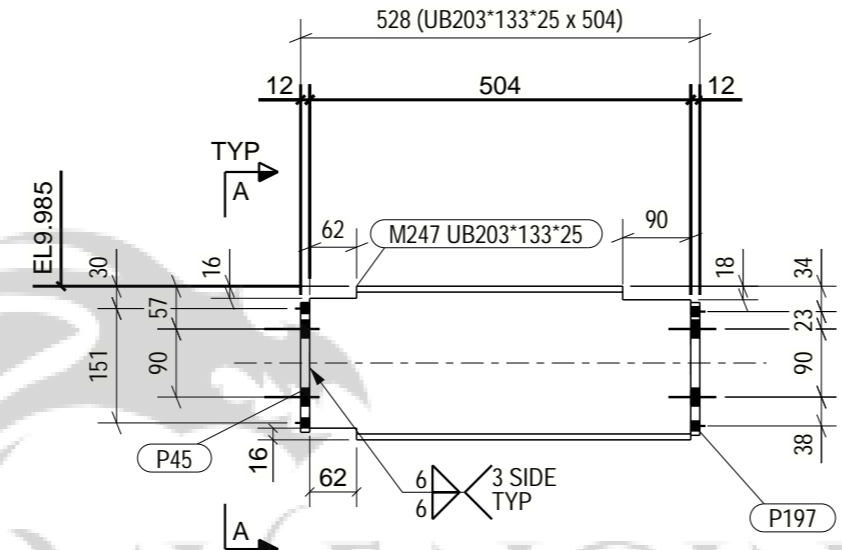
All Holes to be **22** Dia UNO Slot hole length is to outside

All Welds to be **6** FW. UNO

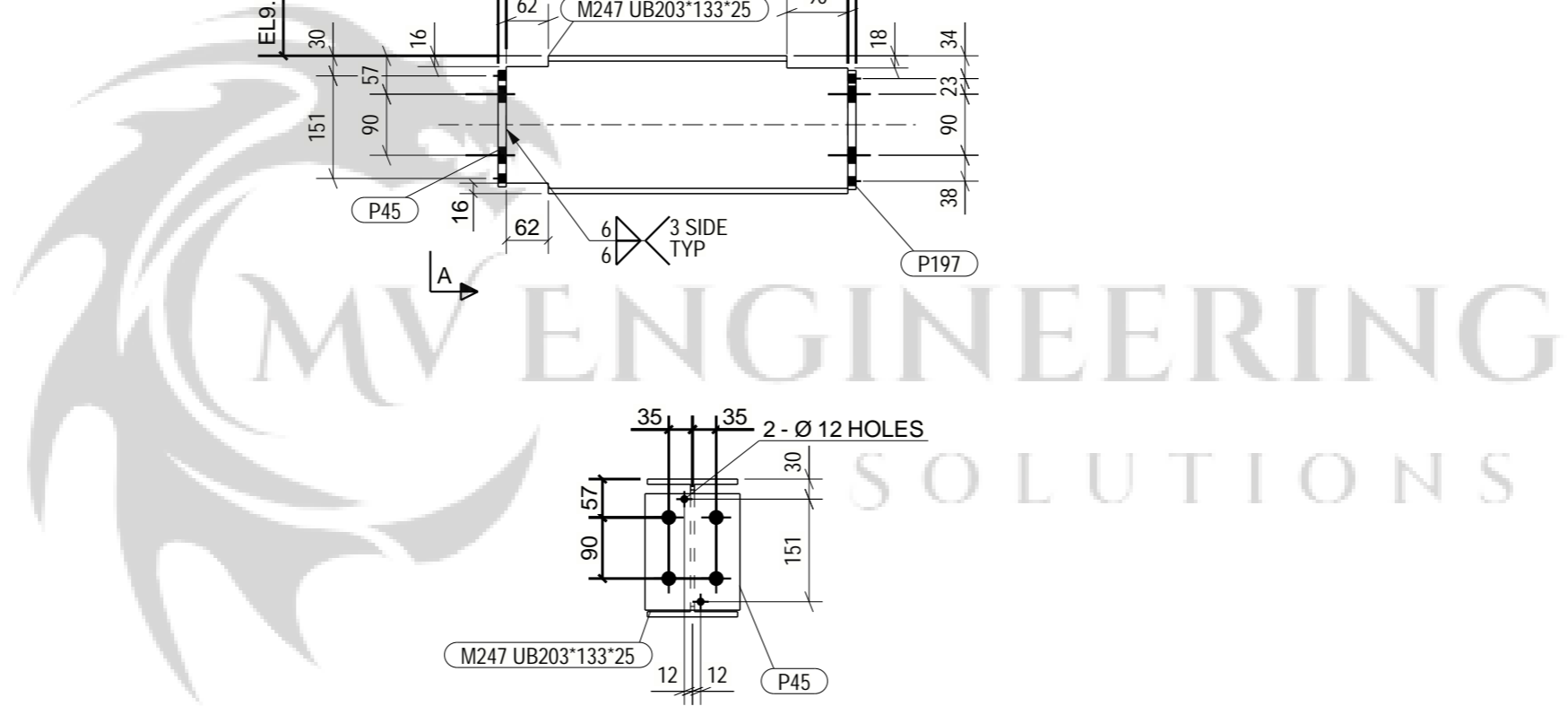
All Steelwork Manufactured to:  
BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**

LOT	<b>0</b>	QTY	<b>1</b>
PHASE	<b>1</b>	QTY	<b>1</b>



SECTION A - A  
1:10



REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED		CHECKED	

MASS EACH = (APPROX)

THIRD ANGLE PROJECTION DO NOT SCALE

ANY DEVIATION FROM THIS DRAWING MUST BE APPROVED BY DRAWING OFFICE BEFORE MANUFACTURE

DRAWN TO BS 8888 - IF IN DOUBT ASK.  
ALL DIMENSIONS IN MILLIMETRES.  
REMOVE BURRS & SHARP EDGES.  
ALL BOLTS TO BE GRADE 8.8 U.S.O.  
FASTENERS LONG ENOUGH TO PROTRUDE THROUGH NUT BY THREE THREADS.  
FIT ADDITIONAL WASHERS ON SLOTTED HOLES.

TOLERANCES

FABRICATION TOLERANCES TO BE IN ACCORDANCE WITH BS EN 1090-2.  
FUNCTIONAL TOLERANCES ARE CLASS 1 U.N.O.

SHOP NOTES:

MATERIAL - TO BS EN10025 GRADE 275 JR MINIMUM U.N.O  
ALL WELDS TO BE z 6mm, LEG LENGTH CONTINUOUS FILLET U.N.O.  
ALL BUTT WELDS TO BE FULL PENETRATION U.N.O.  
ALL WELD SYMBOLS TO BE IN ACCORDANCE WITH BS EN 2553.  
EXECUTION CLASS TO BE EXC2.  
WELD ACCEPTANCE CRITERIA TO BE BS EN 5817 CLASS C U.N.O.  
ALL PARTS TO BE BATCH TRACEABLE U.N.O.  
SUPPLEMENTARY NDT TO BE IN ACCORDANCE WITH TABLE 24 U.N.O.  
HOLD TIMES TO BE IN ACCORDANCE WITH TABLE 23 U.N.O.

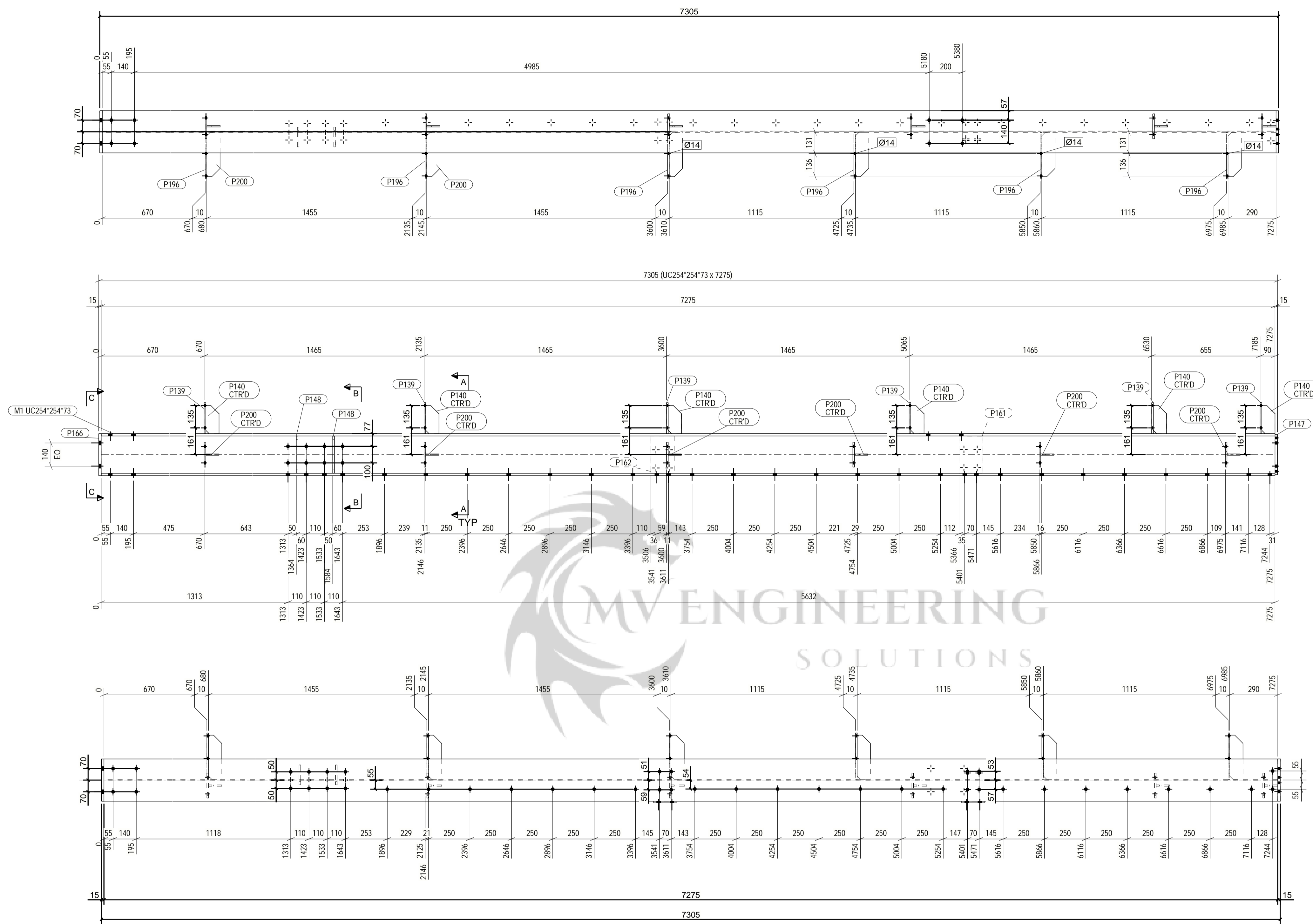
1 No. BEAM

REQUIRED AS DRAWN MARKED B260

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS IT'S OWN ASSEMBLY

CONTRACT NO: 1001      DRAWING NO: [B.260]      REV: A





SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m <sup>2</sup> )	Weight (kg)
M1	UC254*254*73	S355-JR	1	7275	10.999	523.8
P139	FLT10*150	S275-JR	6	187	0.377	13.2
P140	FLT8*80	S275-JR	6	170	0.168	4.6
P147	PLT15*242.1	S275-JR	1	255	0.138	7.3
P148	FLT10*120	S275-JR	2	224	0.119	4.2
P161	FLT10*140	S275-JR	1	224	0.070	2.5
P162	FLT10*140	S275-JR	1	226	0.071	2.5
P166	PLT15*254.1	S275-JR	1	255	0.145	7.6
P196	FLT10*150	S275-JR	6	280	0.555	19.7
P200	FLT8*80	S275-JR	6	267	0.270	7.5
			<b>Total</b>		<b>12.912</b>	<b>592.8</b>

**GENERAL NOTES**

All Holes to be 22 Dia UNO Slot hole length is to outside

All Welds to be 6 FW. UNO

All Steelwork Manufactured to: BS EN 1090-2: Execution Class EXC2 U.N.O.

FINISH GALV

LOT	0	QTY	1
PHASE	1	QTY	1

**FABRICATION STATUS**

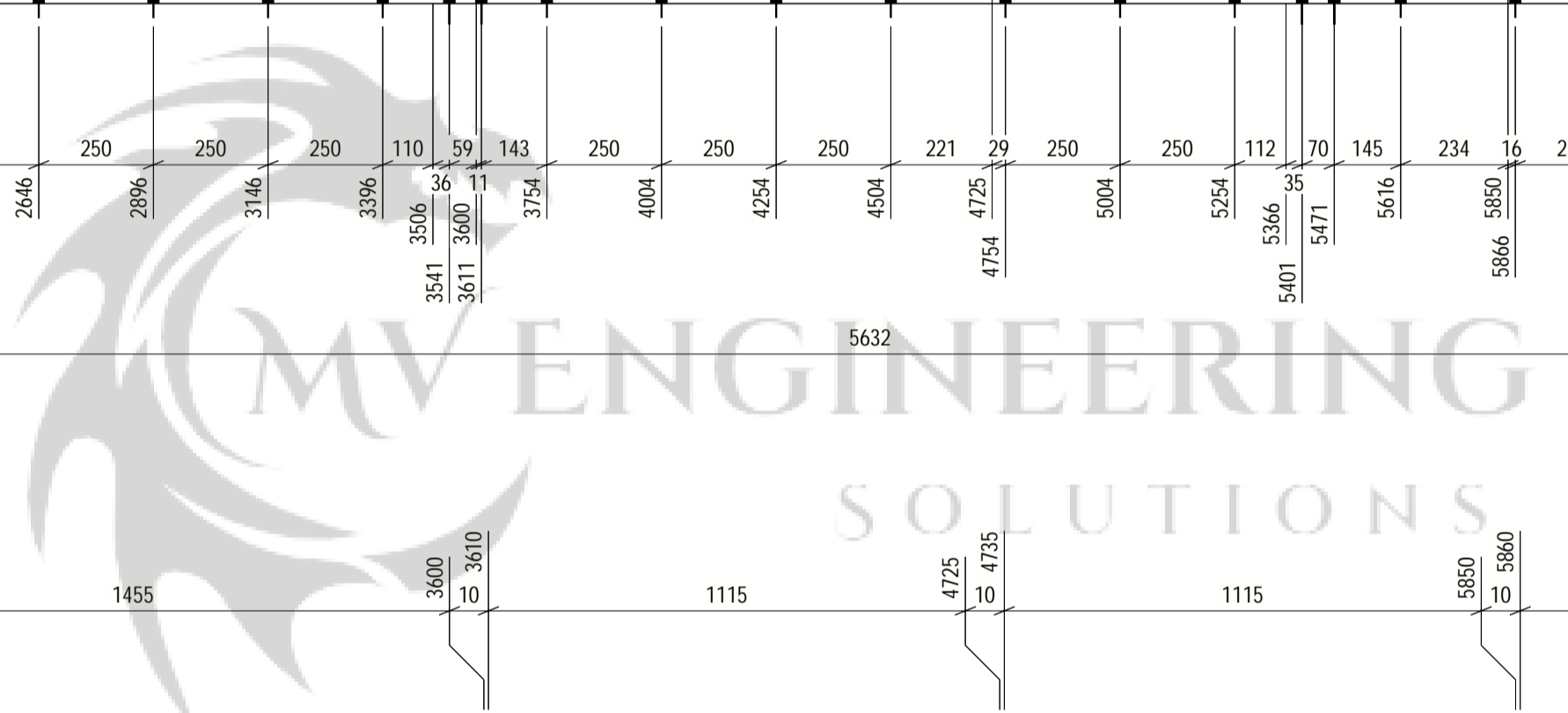
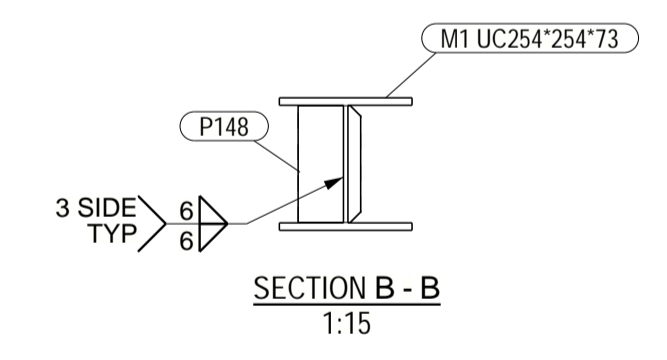
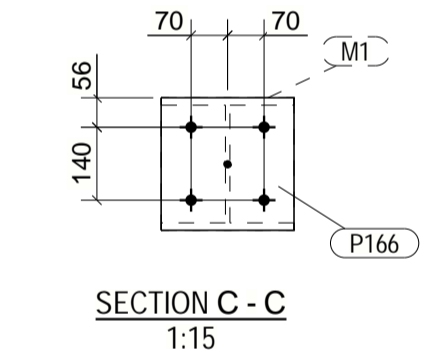
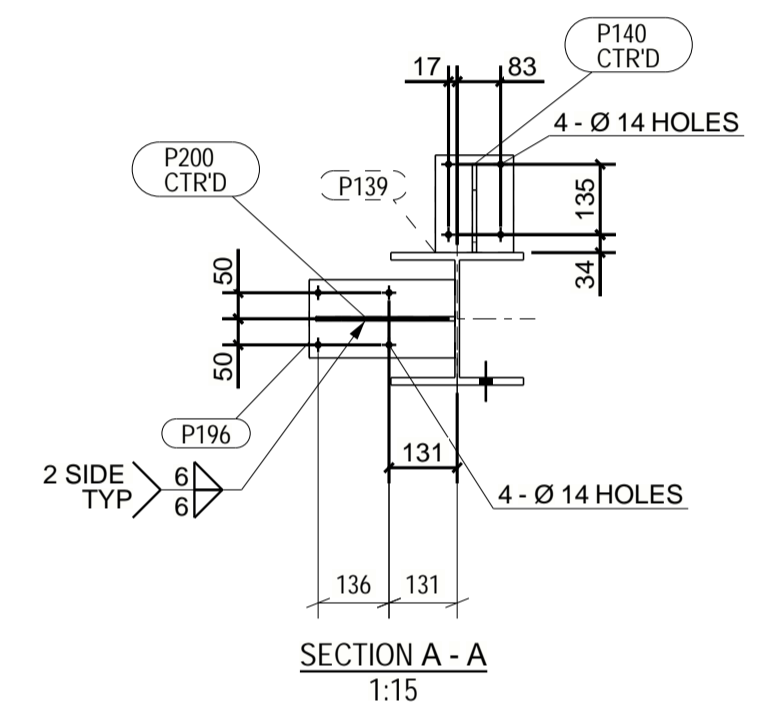
Sawn by: \_\_\_\_\_ Date: \_\_\_\_\_

Fabricated by: \_\_\_\_\_ Date: \_\_\_\_\_

Welded by: \_\_\_\_\_ Date: \_\_\_\_\_

Loaded by: \_\_\_\_\_ Date: \_\_\_\_\_

Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



1 No. COLUMN REQUIRED AS DRAWN MARKED C1

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS ITS OWN ASSEMBLY

A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
REV		By	Date	By	Date
MARK	DESCRIPTION	CREATED	CHECKED		
CONTRACT NO: 1001		DRAWING NO: [C.1]		REV: A	



**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

Mark	Size	Grade	No.	Length (mm)	Area (m <sup>2</sup> )	Weight (kg)
M12	UC254*254*73	S355-JR	1	7275	10.999	523.8
P5	FLT10*150	S275-JR	6	312	0.618	22.1
P7	PLT15*242.1	S275-JR	1	255	0.138	7.3
P140	FLT8*80	S275-JR	3	170	0.084	2.3
P141	FLT8*80	S275-JR	6	300	0.305	8.5
P144	FLT10*150	S275-JR	3	187	0.189	6.6
P147	PLT15*242.1	S275-JR	1	255	0.138	7.3
P148	FLT10*120	S275-JR	2	224	0.119	4.2
P161	FLT10*140	S275-JR	1	224	0.070	2.5
P162	FLT10*140	S275-JR	1	226	0.071	2.5
<b>Total</b>				<b>12.731</b>	<b>586.9</b>	

**GENERAL NOTES**

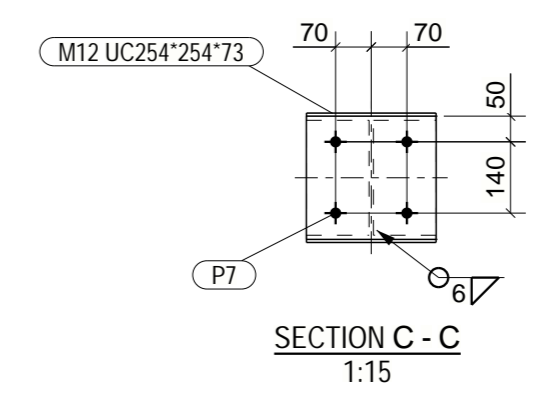
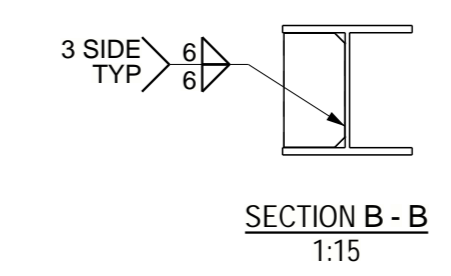
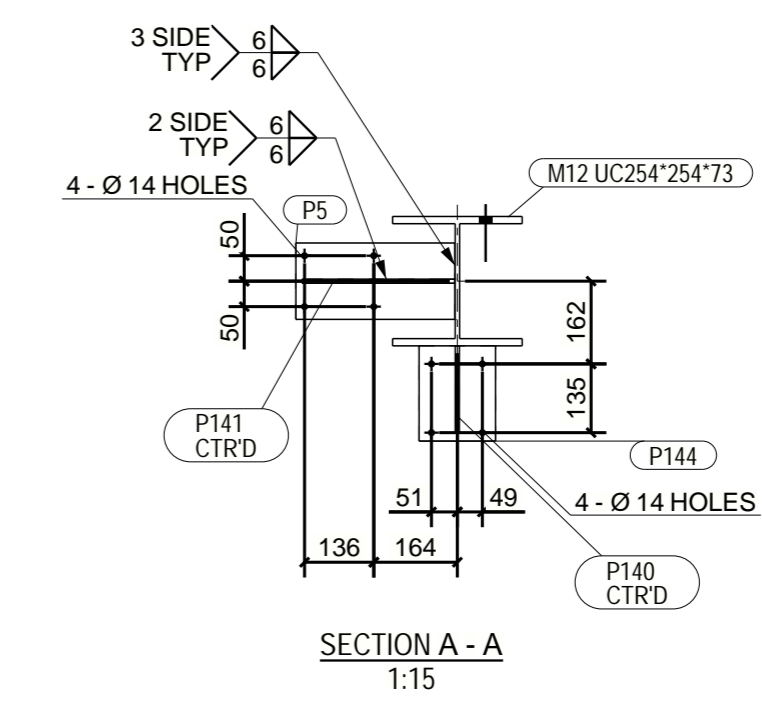
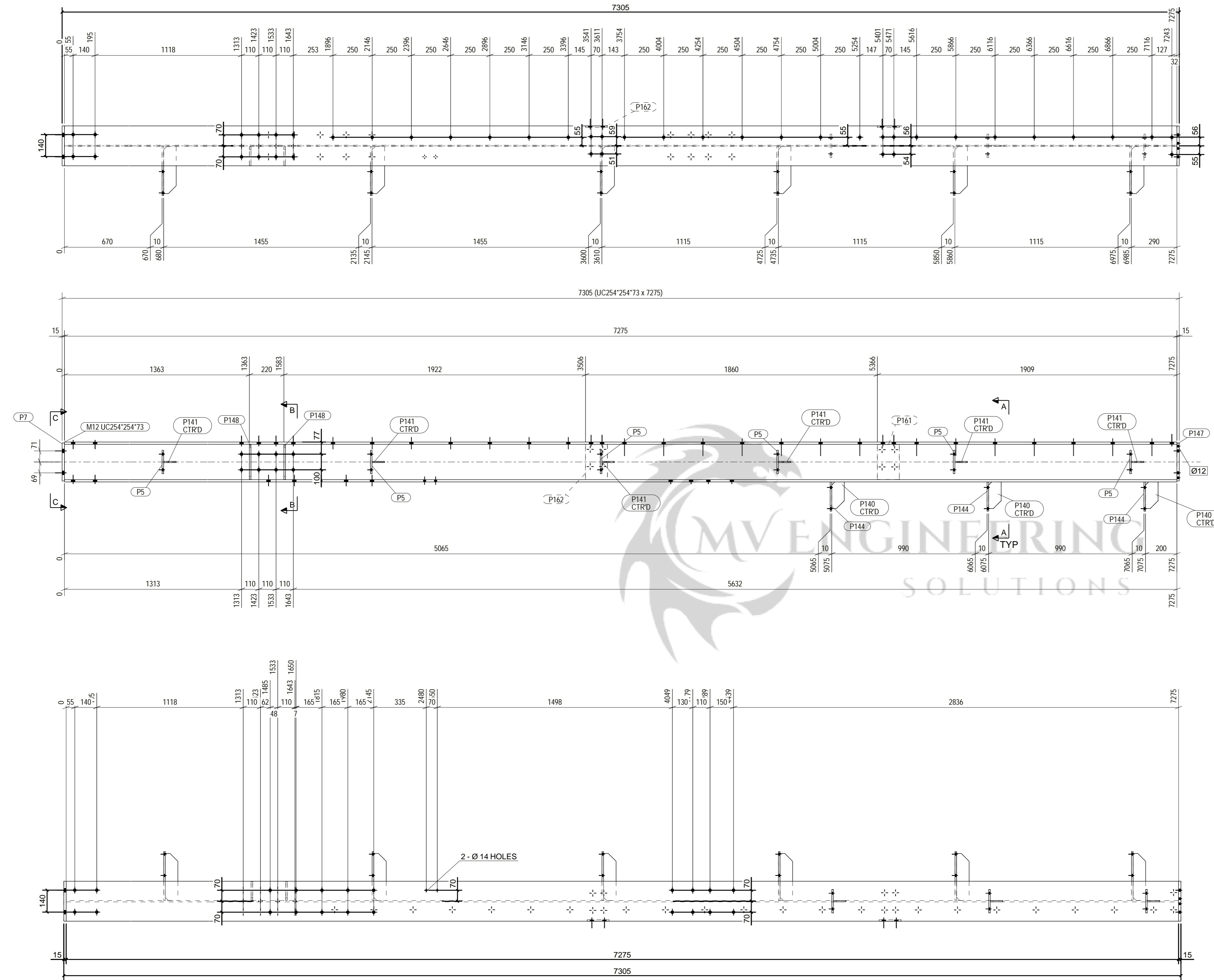
All Holes to be 22 Dia UNO Slot hole length is to outside  
 All Welds to be 6 FW UNO

All Steelwork Manufactured to: BS EN 1090-2: Execution Class EXC2 UNO.

FINISH GALV  
 LOT 0 QTY 1  
 PHASE 1 QTY 1

**FABRICATION STATUS**

Sawn by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Fabricated by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Welded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Loaded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



1 No. COLUMN REQUIRED AS DRAWN MARKED C2

REV	DESCRIPTION	By	Date	By	Date
A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
MARK	DESCRIPTION	CREATED	CHECKED		

CONTRACT NO: 1001 DRAWING NO: [C.2] REV: A

ASSEMBLY / SUB ASSEMBLY STATUS
THIS IS ITS OWN ASSEMBLY

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m <sup>2</sup> )	Weight (kg)
M16	UC254*254*73	S355-JR	1	7275	10.999	523.8
P140	FLT8*80	S275-JR	3	170	0.084	2.3
P144	FLT10*150	S275-JR	3	187	0.189	6.6
P147	PLT15*242.1	S275-JR	1	255	0.138	7.3
P160	FLT10*140	S275-JR	1	224	0.070	2.5
P161	FLT10*140	S275-JR	2	224	0.140	4.9
P163	FLT10*140	S275-JR	1	224	0.070	2.5
P166	PLT15*254.1	S275-JR	1	255	0.145	7.6
				<b>Total</b>	11.835	557.4

**GENERAL NOTES**

All Holes to be 22 Dia UNO Slot hole length is to outside  
 All Welds to be 6 FW, UNO

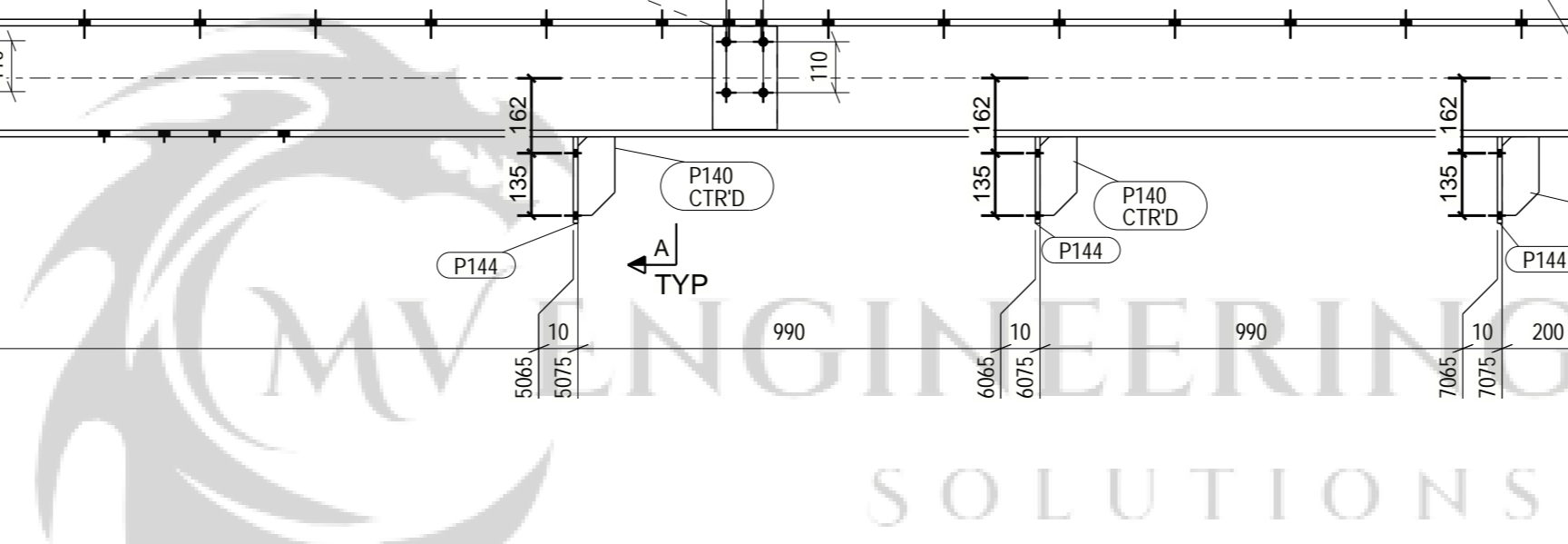
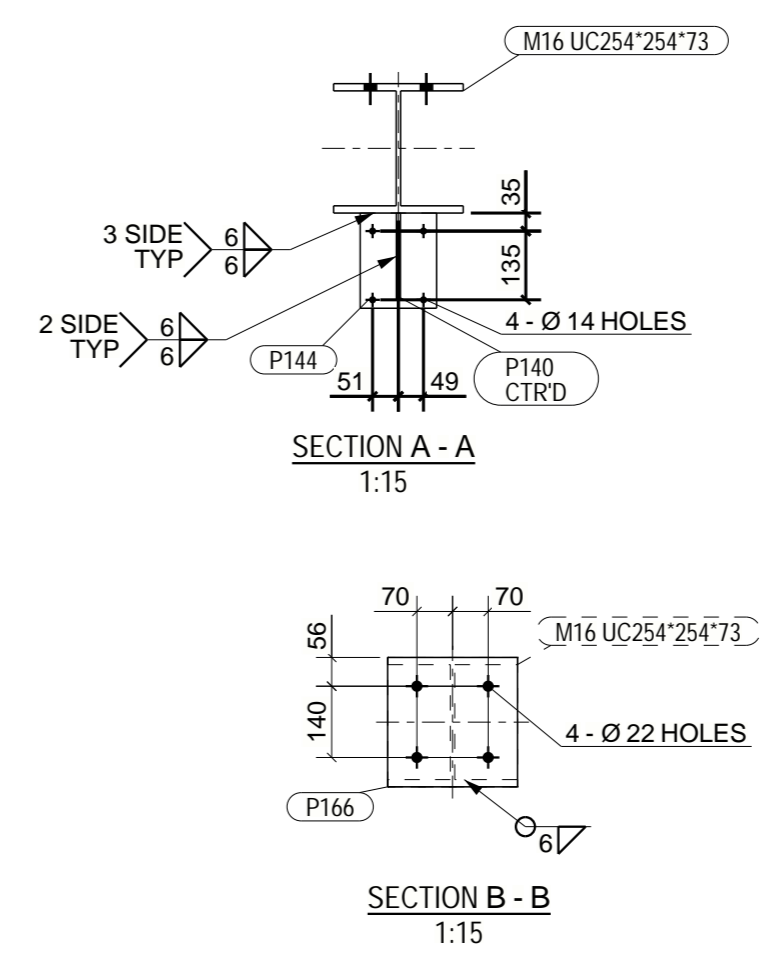
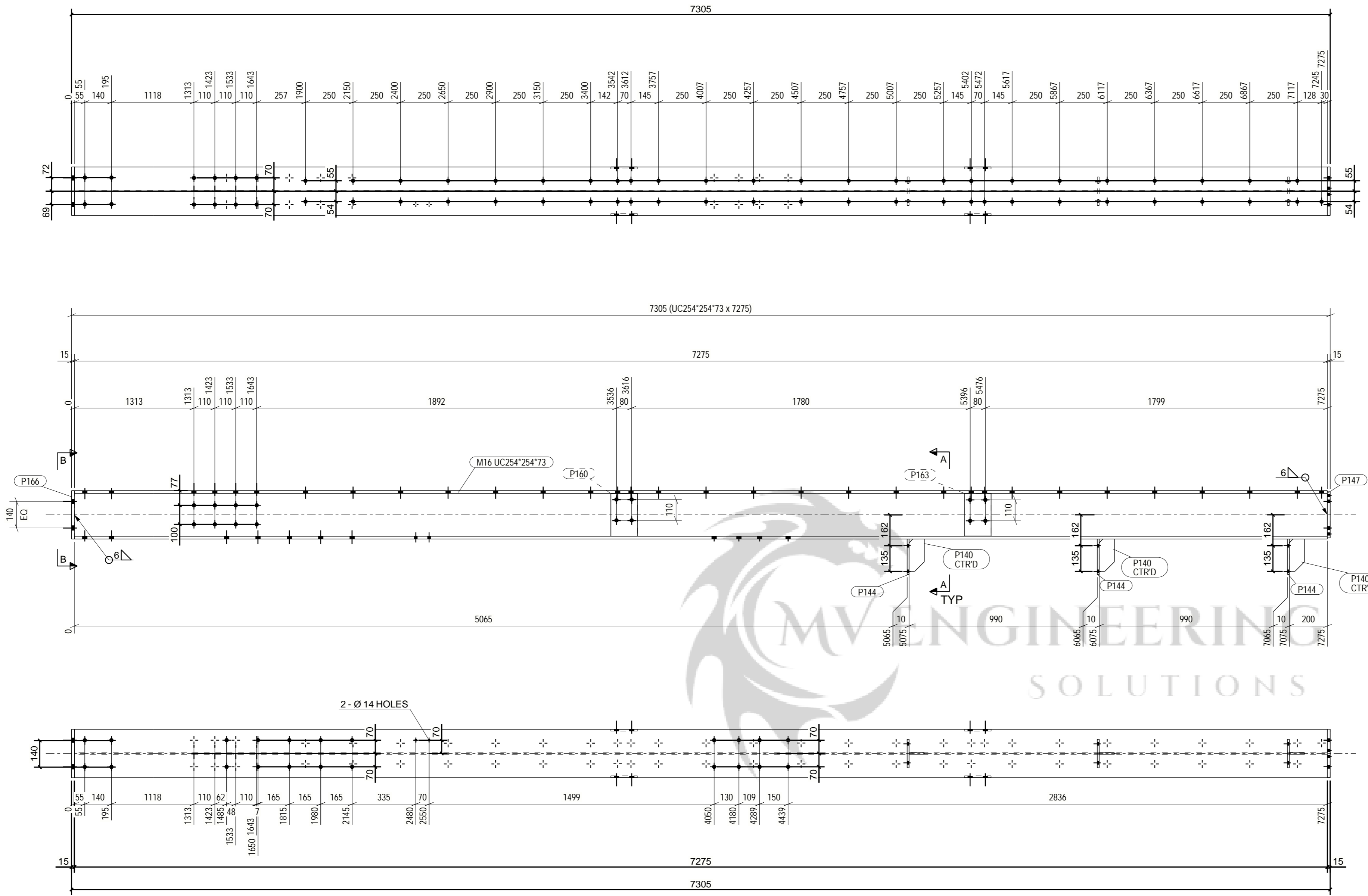
All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class EXC2 U.N.O.

FINISH GALV

LOT	0	QTY	1
PHASE	1	QTY	1

**FABRICATION STATUS**

Sawn by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Fabricated by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Welded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Loaded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



1 No. COLUMN REQUIRED AS DRAWN MARKED C3

REV	MARK	DESCRIPTION	By	Date	By	Date
A		ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
			CREATED		CHECKED	

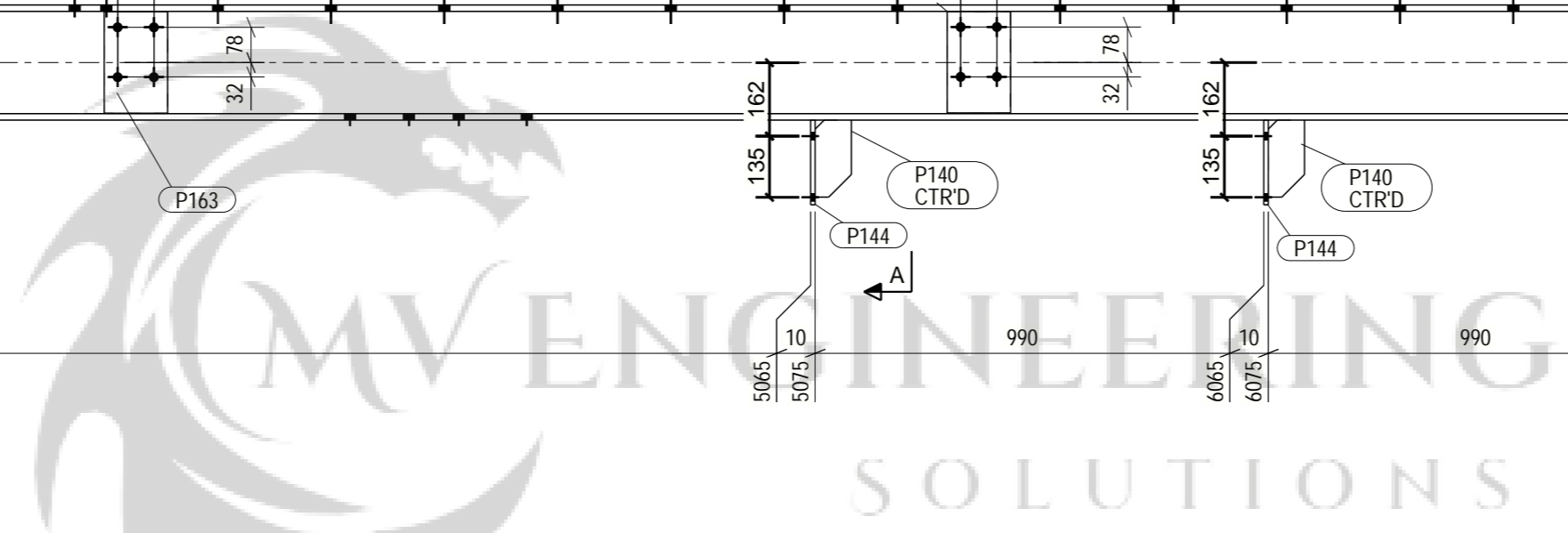
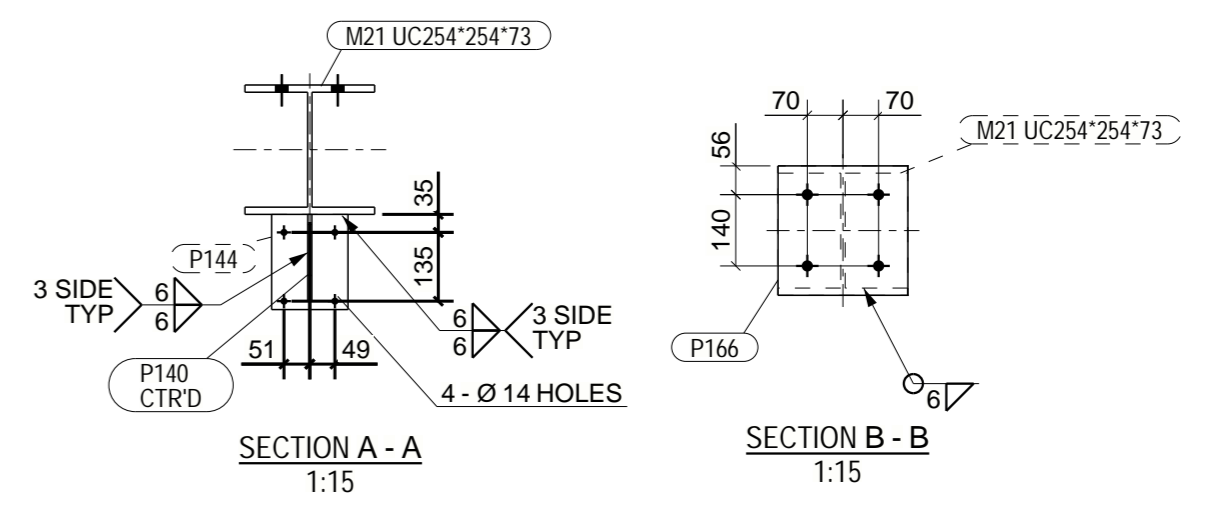
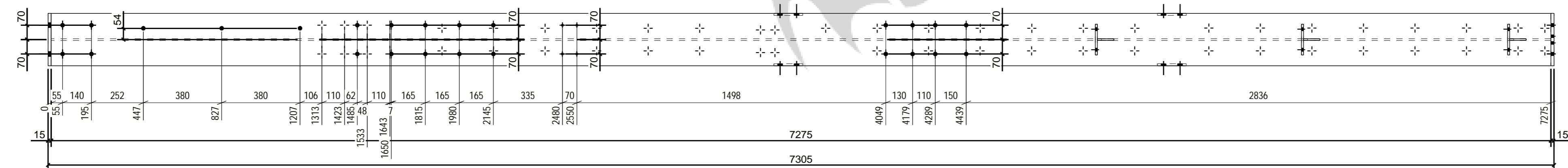
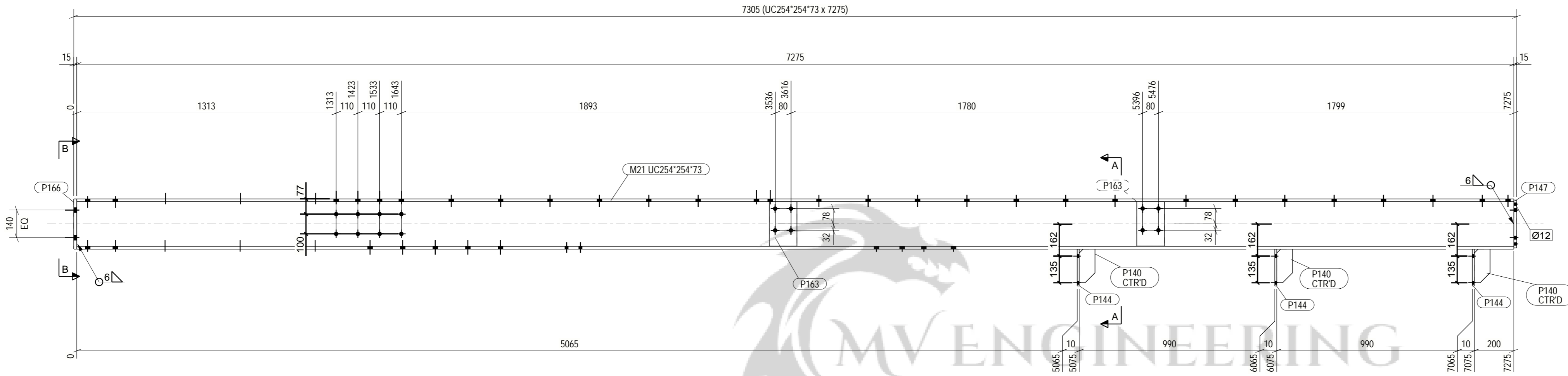
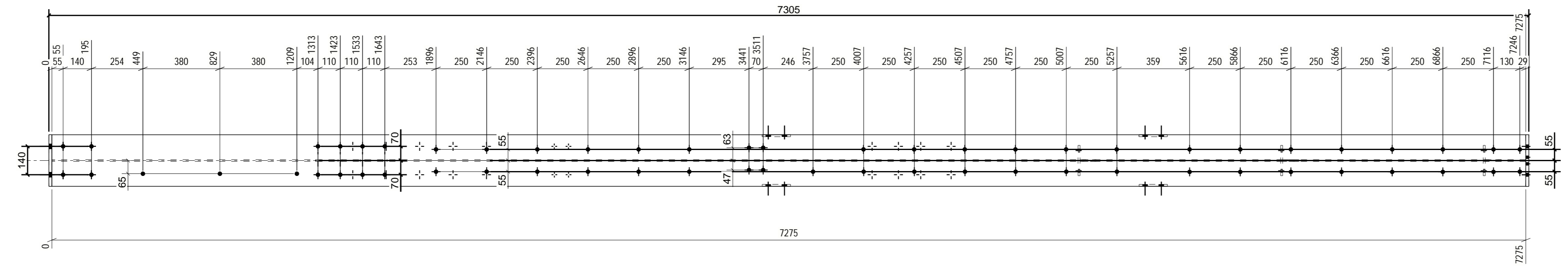
CONTRACT NO:	1001	DRAWING NO:	[C.3]	REV:	A
ASSEMBLY / SUB ASSEMBLY STATUS					
THIS IS ITS OWN ASSEMBLY					

LOT	QTY
1	1

PAINT SPEC :

200

A2



**1 No. COLUMN REQ'D AS DRAWN MKD' C4**

**GENERAL NOTES:**  
 ALL HOLES ARE 22 DIA. UNLESS NOTED OTHERWISE  
 ALL WELD ARE 6mm FPFW UNLESS NOTED OTHERWISE  
 ALL CSK HOLES UP TO 22 Dia TO HAVE 90 DEGREE COUNTERSINKING  
 ALL CSK HOLES UP TO 22 Dia TO HAVE 60 DEGREE COUNTERSINKING

Mark	No.	Size	Grade	Length (mm)	Weight [kg]	TOTAL WT. [kg]	
C4	1						
M21	1	1	UC254*254*73	S355-JR	7275.1	523.8	523.8
P140	3	3	FLT8*80	S275-JR	170.0	0.8	2.3
P144	3	3	FLT10*150	S275-JR	187.0	2.2	6.6
P147	1	1	PLT15*242.1	S275-JR	255.0	7.3	7.3
P161	2	2	FLT10*140	S275-JR	224.0	2.5	4.9
P163	2	2	FLT10*140	S275-JR	224.0	2.5	4.9
P166	1	1	PLT15*254.1	S275-JR	255.0	7.6	7.6
TOTAL WEIGHT FOR ONE ASSEMBLY [kg]:						557	
TOTAL WEIGHT						557.4	

	INITIAL	DATE
CUT		
FAB		
WELD		
QA		

SHOT BLAST SA 2.5 - PRIMED FINISH

REV.	ISSUED FOR APPROVAL	22.11.2022
A	ISSUED FOR APPROVAL	22.11.2022
	REVISION DESCRIPTION	REV DATE

PROJECT	SURGE BIN				
DRAWN BY:	CHECKED BY:	PROJECT NO:	VO NO:	DRAWING NO:	REV
NW	GSG	1001		C4	A

Taha Structures

SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m <sup>2</sup> )	Weight (kg)
M55	UC254*254*73	S355-JR	1	7275	10.999	523.8
P140	FLT8*80	S275-JR	3	170	0.084	2.3
P144	FLT10*150	S275-JR	3	187	0.189	6.6
P147	PLT15*242.1	S275-JR	1	255	0.138	7.3
P160	FLT10*140	S275-JR	1	224	0.070	2.5
P161	FLT10*140	S275-JR	2	224	0.140	4.9
P163	FLT10*140	S275-JR	1	224	0.070	2.5
P166	PLT15*254.1	S275-JR	1	255	0.145	7.6
<b>Total</b>					<b>11.835</b>	<b>557.4</b>

**GENERAL NOTES**

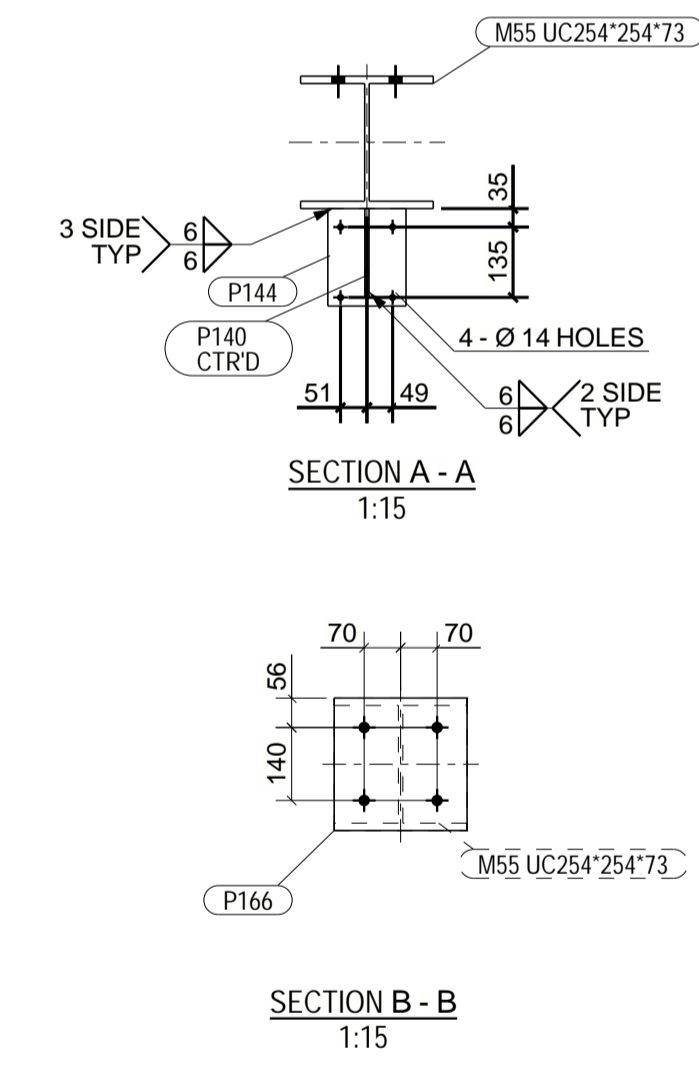
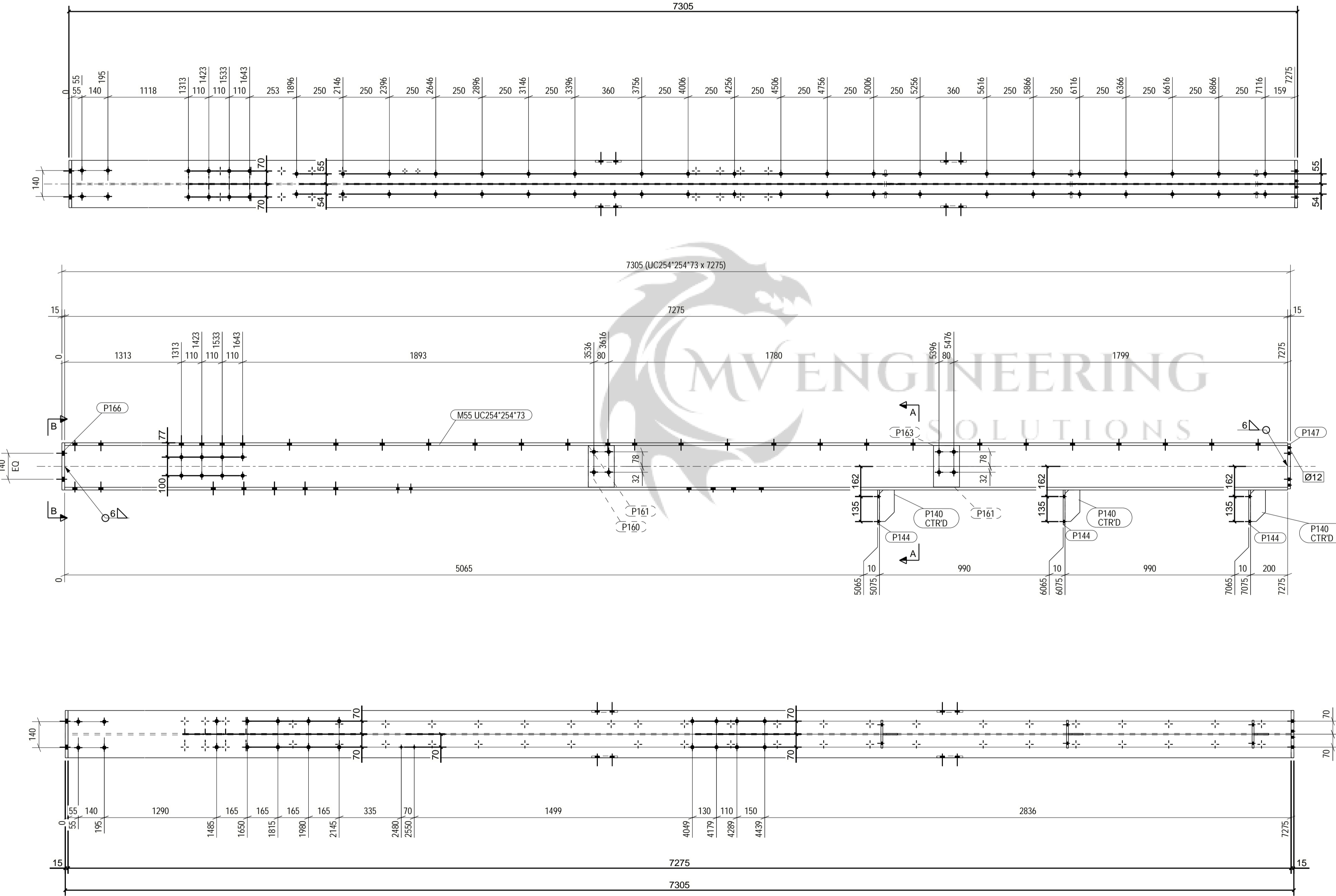
All Holes to be **22 Dia UNO** Slot hole length is to outside  
 All Welds to be **6 FW UNO**

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class **EXC2** U.N.O.

FINISH **GALV**  
 LOT **0** QTY **1**  
 PHASE **1** QTY **1**

**FABRICATION STATUS**

Sawn by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Fabricated by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Welded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Loaded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



1 No. COLUMN REQUIRED AS DRAWN MARKED C5

ASSEMBLY / SUB ASSEMBLY STATUS		
1	THIS IS ITS OWN ASSEMBLY	

REV	DESCRIPTION	ISSUED FOR APPROVAL		CREATED	
		By	Date	By	Date
A		NW	22.11.2022	GSG	22.11.2022
MARK					

CONTRACT NO: 1001 DRAWING NO: [C.5] REV: A







SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m <sup>2</sup> )	Weight (kg)
M58	UC254*254*73	S355-JR	1	7275	10.999	523.8
P139	FLT10*150	S275-JR	6	187	0.377	13.2
P140	FLT8*80	S275-JR	6	170	0.168	4.6
P147	PLT15*242.1	S275-JR	1	255	0.138	7.3
P161	FLT10*140	S275-JR	4	224	0.280	9.8
P166	PLT15*254.1	S275-JR	1	255	0.145	7.6
				<b>Total</b>	<b>12.107</b>	<b>566.3</b>

**GENERAL NOTES**

All Holes to be 22 Dia UNO Slot hole length is to outside  
 All Welds to be 6 FW, UNO

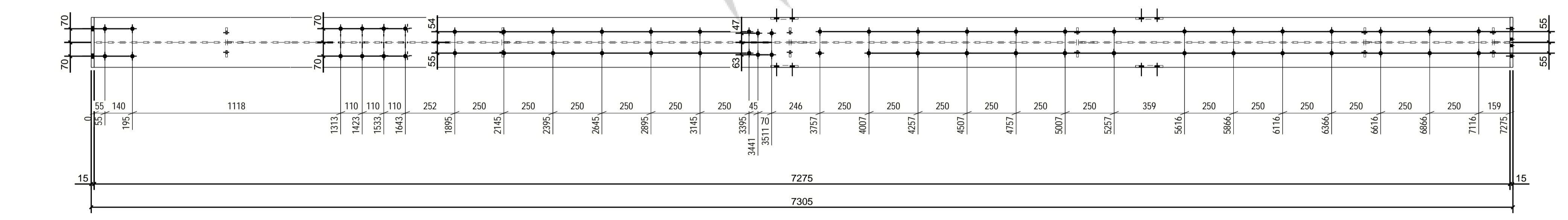
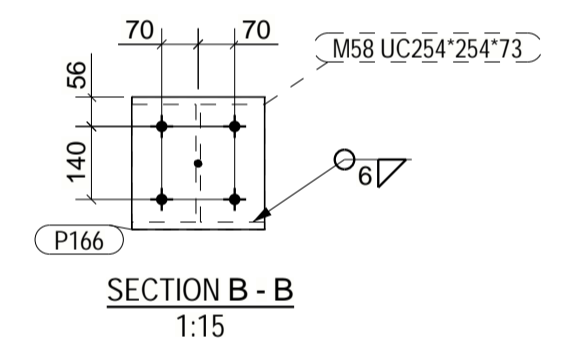
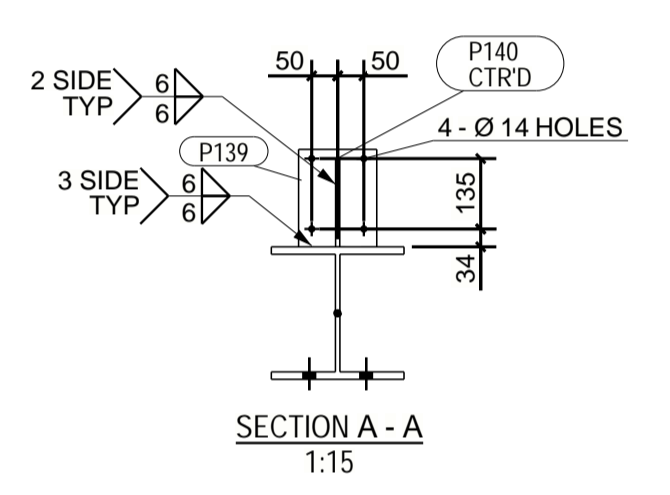
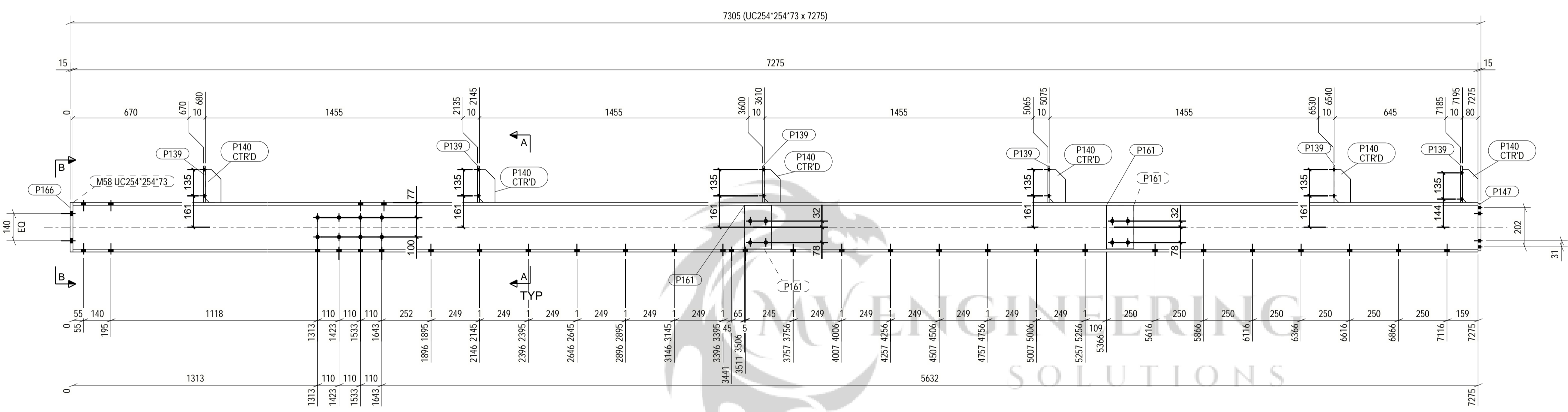
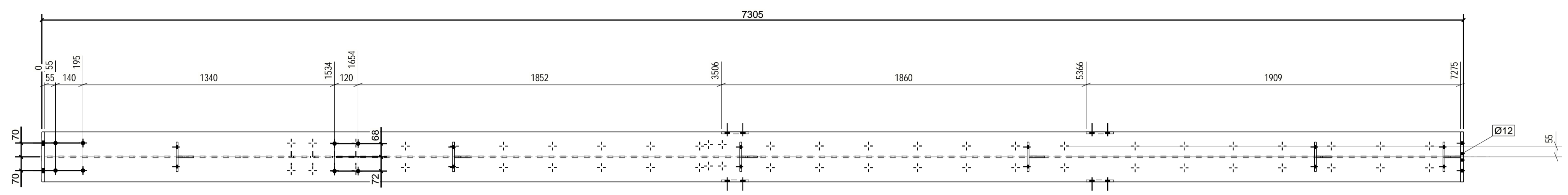
All Steelwork Manufactured to:  
 BS EN 1090-2; Execution Class EXC2 U.N.O.

FINISH GALV

LOT	0	QTY	1
PHASE	1	QTY	1

**FABRICATION STATUS**

Sawn by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Fabricated by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Welded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Loaded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



1 No. COLUMN REQUIRED AS DRAWN MARKED C8

ASSEMBLY / SUB ASSEMBLY STATUS	
1	THIS IS ITS OWN ASSEMBLY

A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
REV		By	Date	By	Date
MARK	DESCRIPTION	CREATED	CHECKED		

CONTRACT NO: 1001 DRAWING NO: [C.8] REV: A

**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

Mark	Size	Grade	No.	Length (mm)	Area (m <sup>2</sup> )	Weight (kg)	
M59	UC254*254*73	S355-JR	1	7275	10.999	523.8	
P139	FLT10*150	S275-JR	6	187	0.377	13.2	
P140	FLT8*80	S275-JR	6	170	0.168	4.6	
P147	PLT15*242.1	S275-JR	1	255	0.138	7.3	
P160	FLT10*140	S275-JR	1	224	0.070	2.5	
P161	FLT10*140	S275-JR	3	224	0.210	7.4	
P166	PLT15*254.1	S275-JR	1	255	0.145	7.6	
<b>Total</b>						<b>12.107</b>	<b>566.3</b>

**GENERAL NOTES**

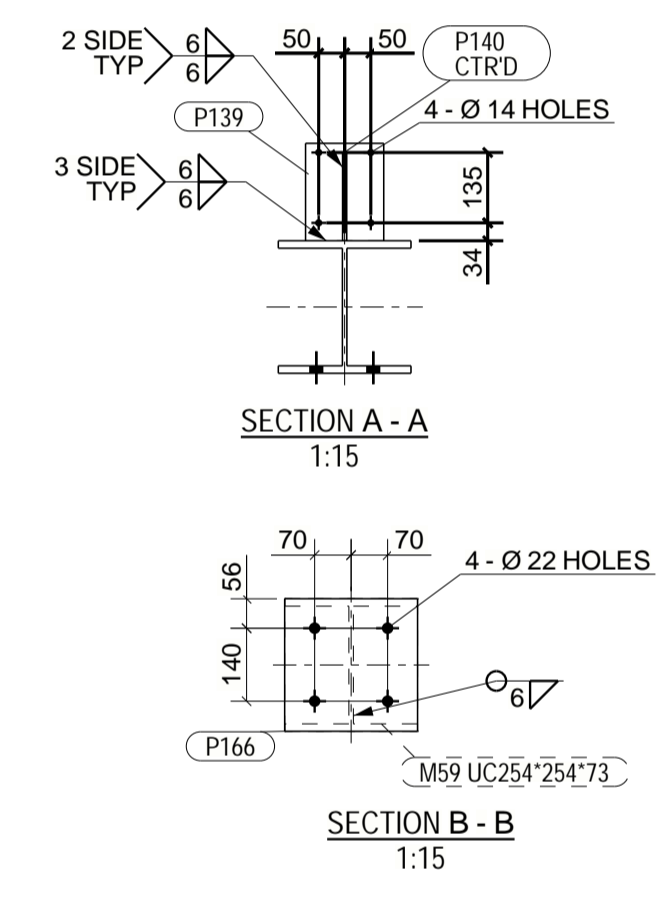
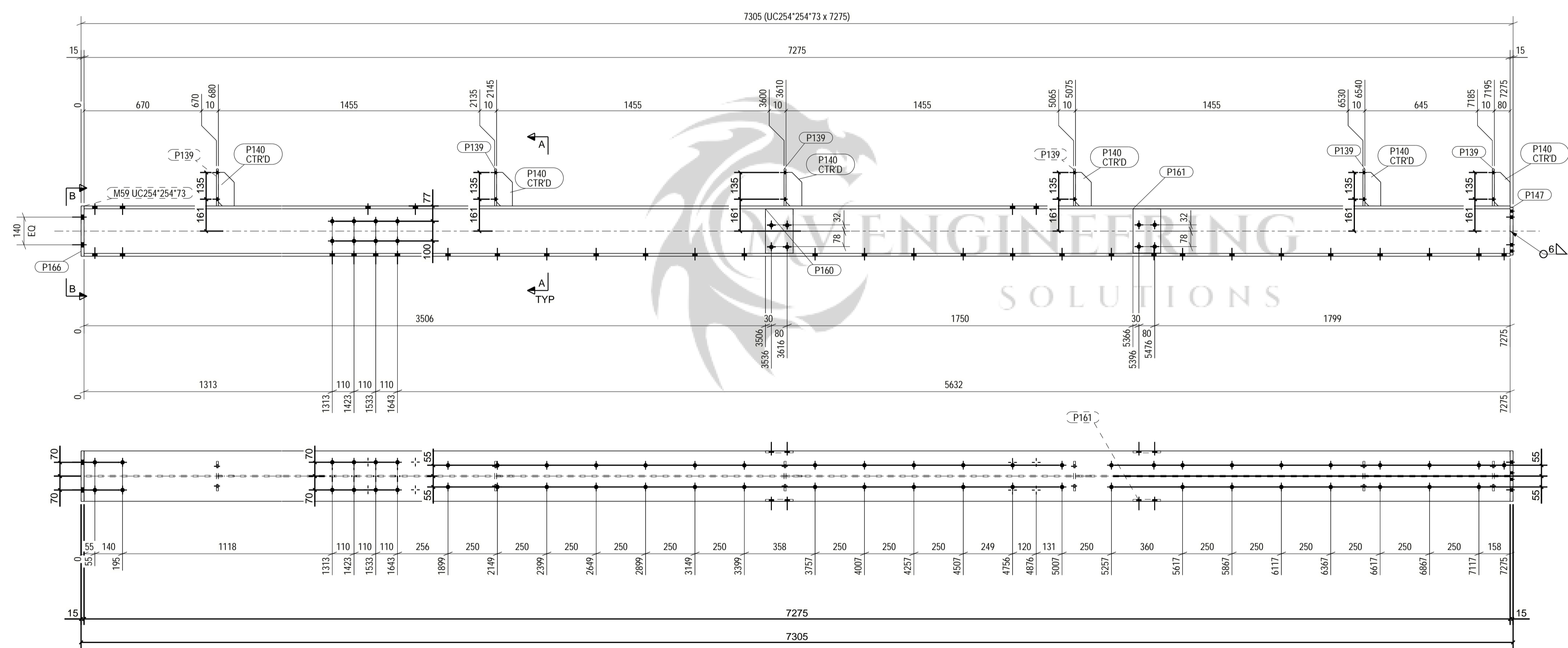
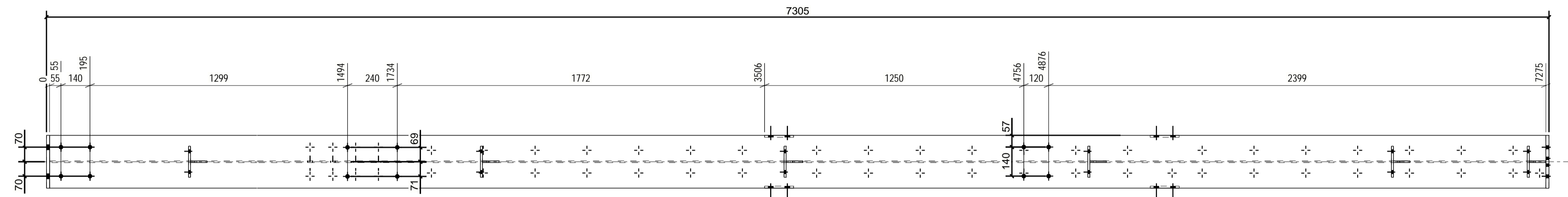
All Holes to be 22 Dia UNO Slot hole length is to outside  
 All Welds to be 6 FW. UNO

All Steelwork Manufactured to: BS EN 1090-2: Execution Class EXC2 U.N.O.

FINISH	GALV
LOT 0	QTY 1
PHASE 1	QTY 1

**FABRICATION STATUS**

Sawn by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Fabricated by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Welded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Loaded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



1 No. COLUMN REQUIRED AS DRAWN MARKED C9

REV	DESCRIPTION	DATE	BY	CHECKED
A	ISSUED FOR APPROVAL	22.11.2022	NW	GSG

CONTRACT NO: 1001 DRAWING NO: [C.9] REV: A

ASSEMBLY / SUB ASSEMBLY STATUS
1 THIS IS ITS OWN ASSEMBLY



**SHOP MATERIAL LIST FOR 1 ASSEMBLY**

Mark	Size	Grade	No.	Length (mm)	Area (m <sup>2</sup> )	Weight (kg)
M70	UC254*254*73	S355-JR	1	7275	10.999	523.8
P139	FLT10*150	S275-JR	6	187	0.377	13.2
P140	FLT8*80	S275-JR	6	170	0.168	4.6
P147	PLT15*242.1	S275-JR	1	255	0.138	7.3
P160	FLT10*140	S275-JR	1	224	0.070	2.5
P161	FLT10*140	S275-JR	3	224	0.210	7.4
P166	PLT15*254.1	S275-JR	1	255	0.145	7.6
			<b>Total</b>	<b>12.107</b>	<b>566.3</b>	

**GENERAL NOTES**

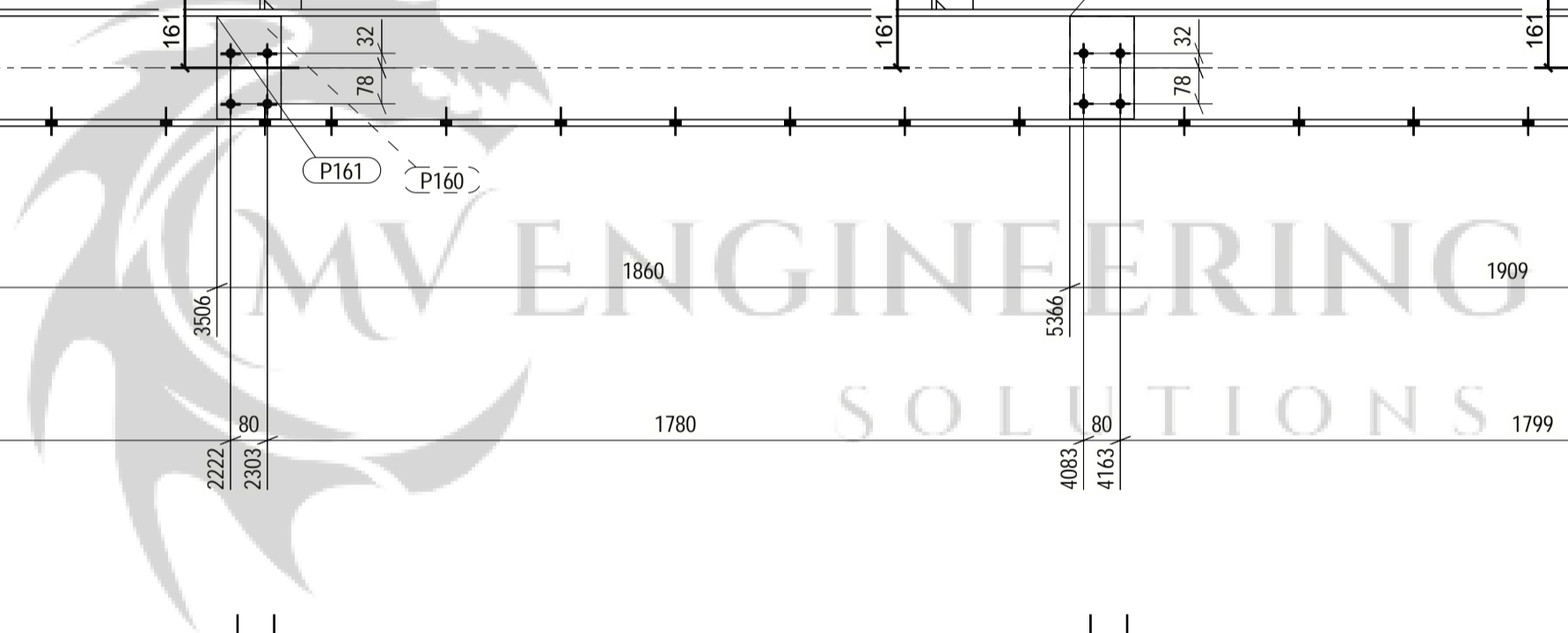
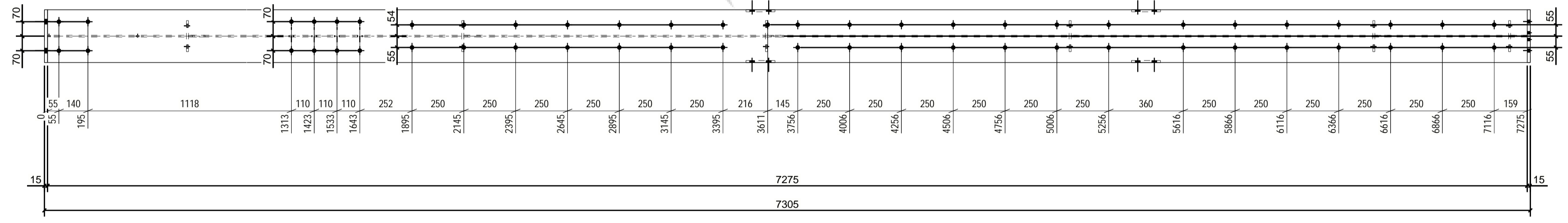
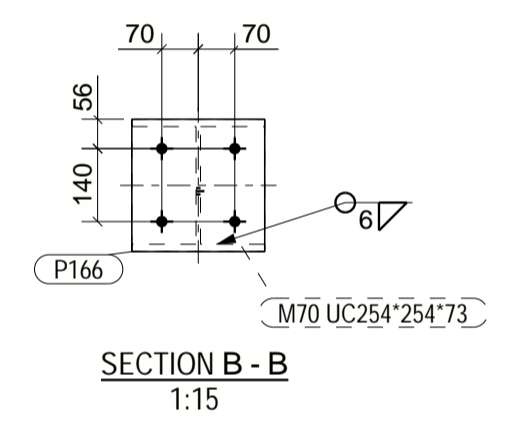
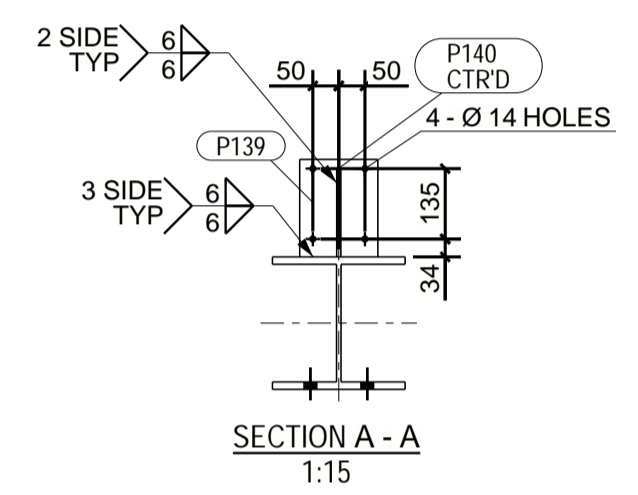
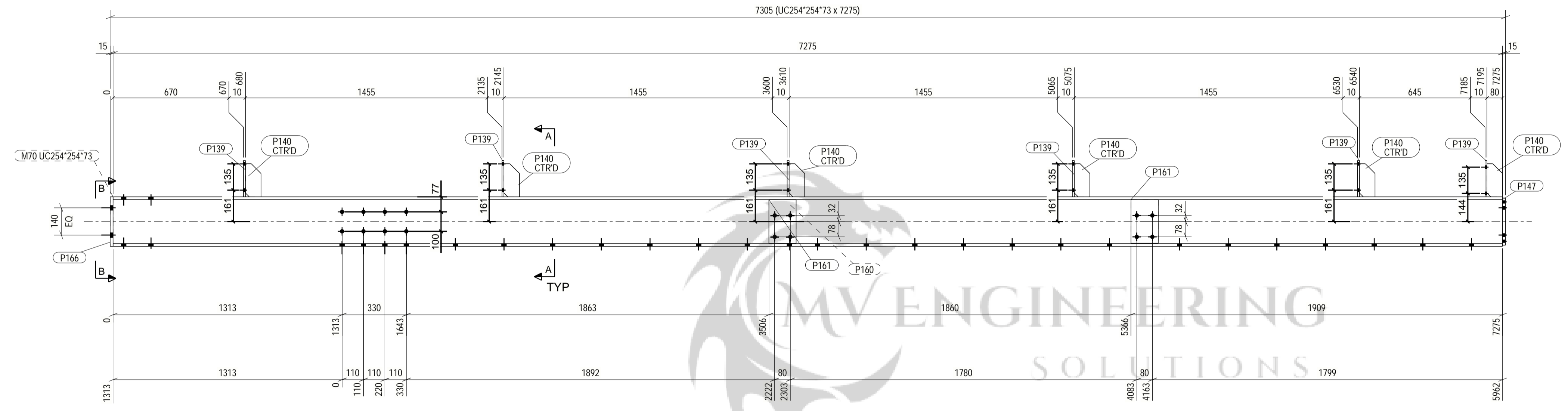
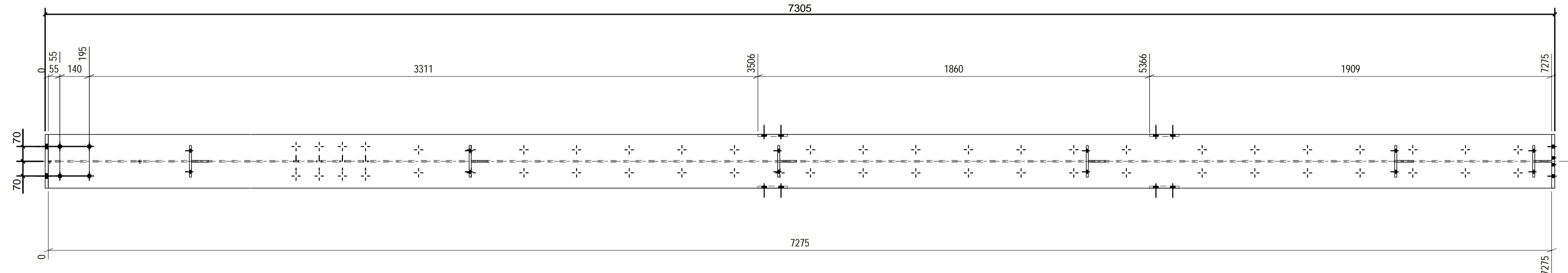
All Holes to be 22 Dia UNO Slot hole length is to outside  
 All Welds to be 6 FW. UNO

All Steelwork Manufactured to:  
 BS EN 1090-2: Execution Class EXC2 U.N.O.

FINISH	GALV
LOT 0	QTY 1
PHASE 1	QTY 1

**FABRICATION STATUS**

Sawn by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Fabricated by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Welded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Loaded by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



1 No. COLUMN

REQUIRED AS DRAWN MARKED C10

ASSEMBLY / SUB ASSEMBLY STATUS
1 THIS IS ITS OWN ASSEMBLY

REV	DESCRIPTION	CREATED	CHECKED
A	ISSUED FOR APPROVAL	NW 22.11.2022	GSG 22.11.2022

CONTRACT NO:	DRAWING NO:	REV:
1001	[C.10]	A



SHOP MATERIAL LIST FOR 1 ASSEMBLY						
Mark	Size	Grade	No.	Length (mm)	Area (m <sup>2</sup> )	Weight (kg)
M93	UC254*254*73	S355-JR	1	7275	10.999	523.8
P140	FLT8*80	S275-JR	3	170	0.084	2.3
P144	FLT10*150	S275-JR	3	187	0.189	6.6
P147	PLT15*242.1	S275-JR	1	256	0.138	7.3
P161	FLT10*140	S275-JR	2	224	0.140	4.9
P163	FLT10*140	S275-JR	2	224	0.140	4.9
P166	PLT15*254.1	S275-JR	1	255	0.145	7.6
			<b>Total</b>	<b>11.835</b>	<b>557.4</b>	

**GENERAL NOTES**

All Holes to be 22 Dia UNO Slot hole length is to outside

All Welds to be 6 FW. UNO

All Steelwork Manufactured to: BS EN 1090-2: Execution Class EXC2 U.N.O.

FINISH **GALV**

LOT	0	QTY	1
PHASE	1	QTY	1

**FABRICATION STATUS**

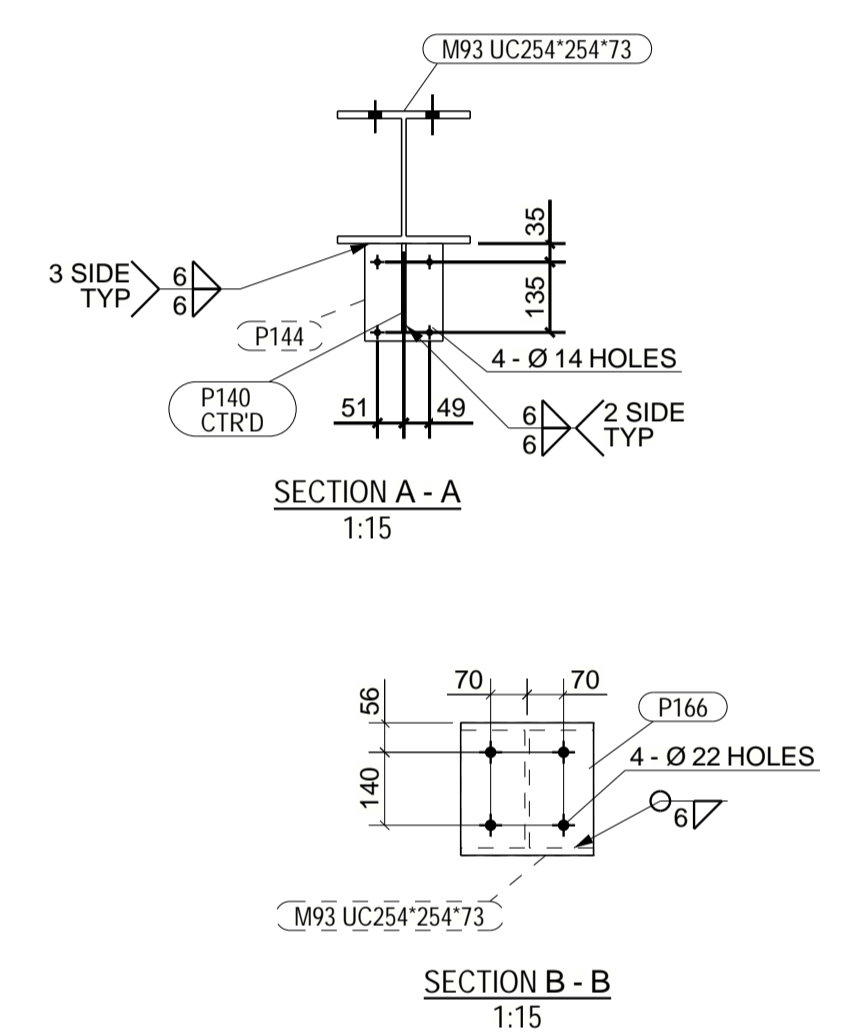
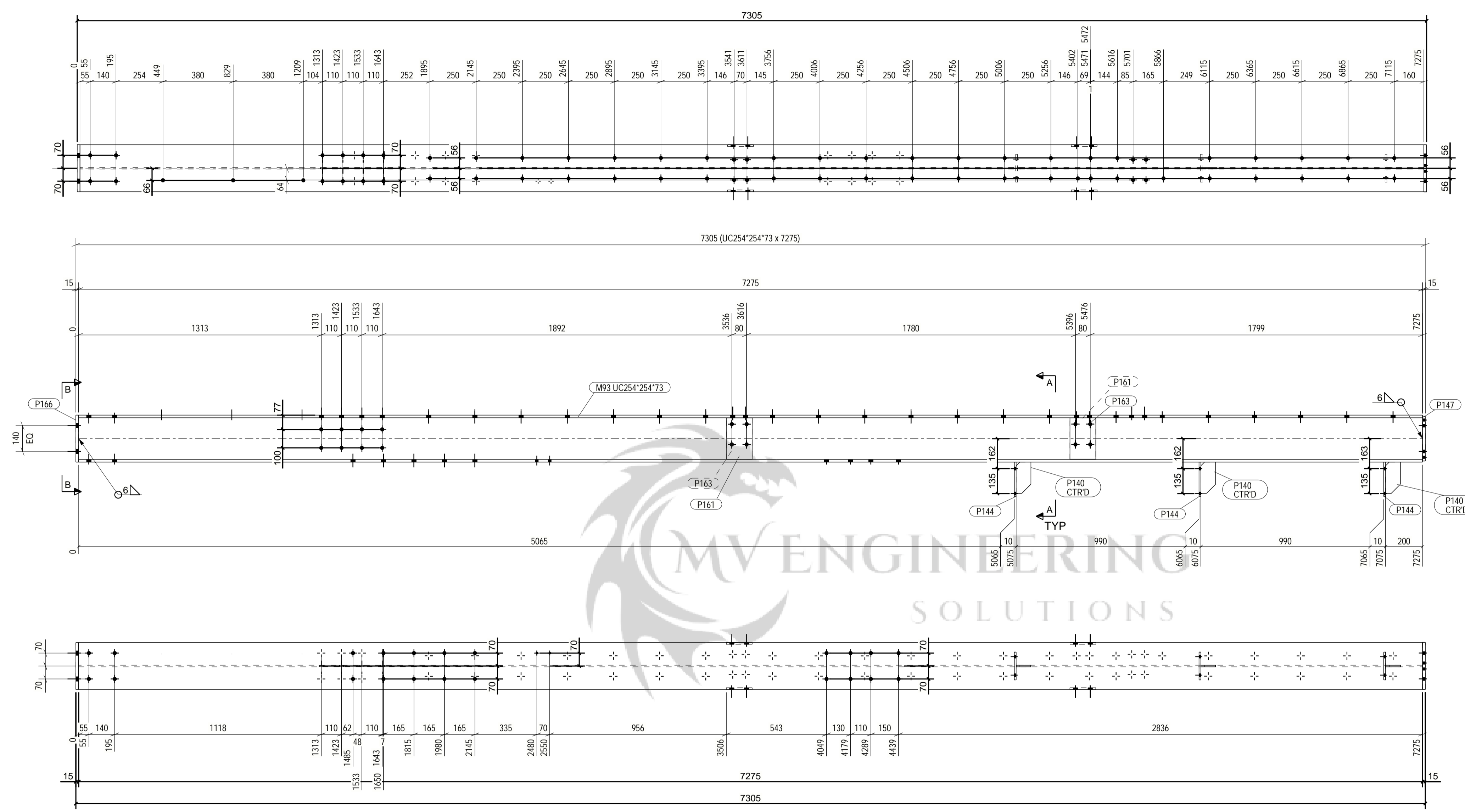
Sawn by: \_\_\_\_\_ Date: \_\_\_\_\_

Fabricated by: \_\_\_\_\_ Date: \_\_\_\_\_

Welded by: \_\_\_\_\_ Date: \_\_\_\_\_

Loaded by: \_\_\_\_\_ Date: \_\_\_\_\_

Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



A	ISSUED FOR APPROVAL	NW	22.11.2022	GSG	22.11.2022
REV		By	Date	By	Date
MARK	DESCRIPTION	CREATED	CHECKED		

1 No. COLUMN REQUIRED AS DRAWN MARKED C12

ASSEMBLY / SUB ASSEMBLY STATUS		CONTRACT NO:	DRAWING NO:	REV:
1	THIS IS ITS OWN ASSEMBLY	1001	[C.12]	A