

Structural steel frames

Sample drawings

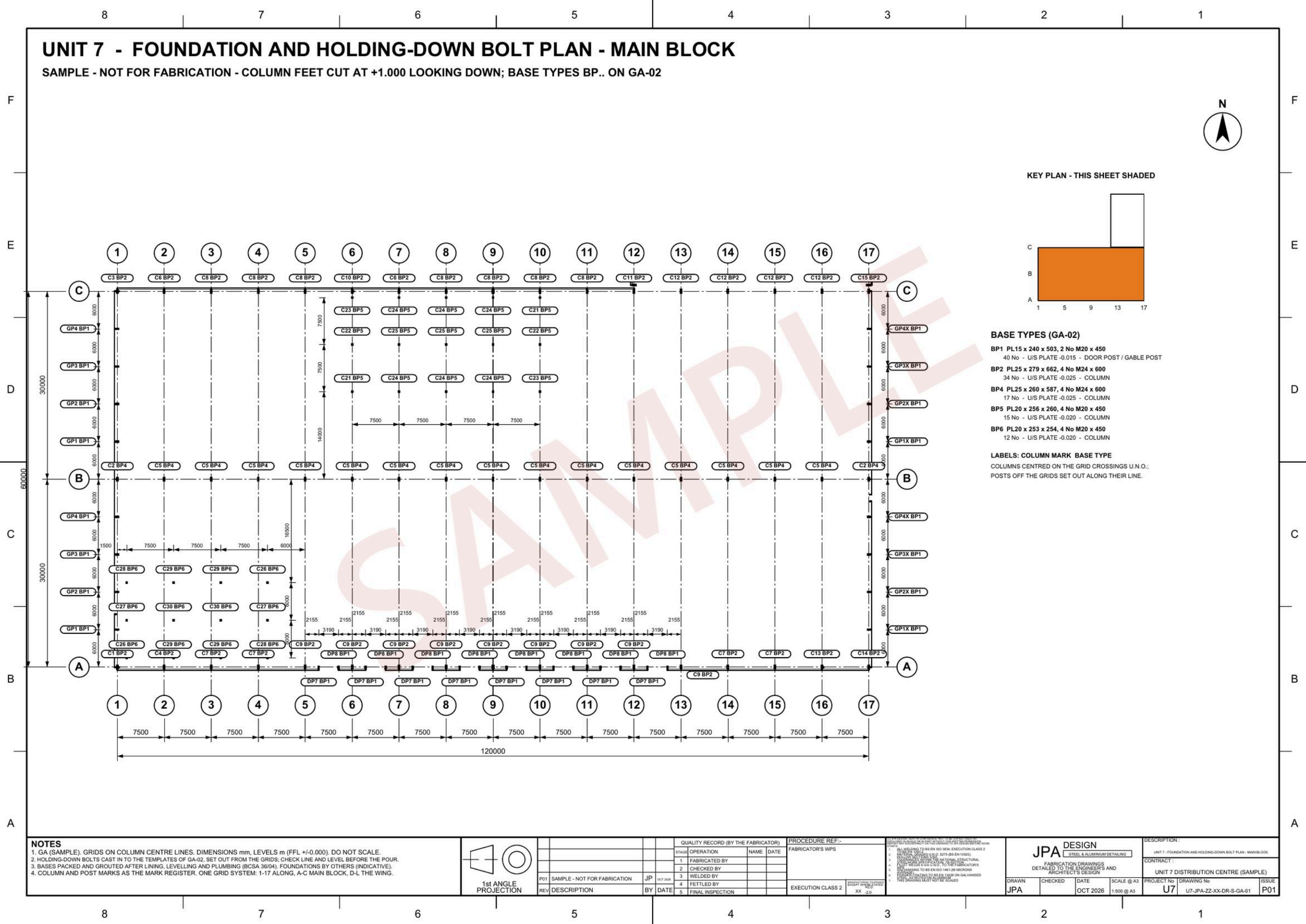
U7-GA-01	Foundation and HD bolt plan	1:500 @ A3
U7-FA-C9-1	Column C9 assembly, sheet 1 of 2	A3
U7-FA-R7-1	Rafter R7 assembly, sheet 1 of 2	A3
U7-CD-01	Eaves connection, typical	A3
U7-PL-01	Plates 25 mm, true shape, a DXF for each	A3
HX11-GA-11	Roof steel, phase 1	A1

Full sample packs and prices on request.

jamie@jpa-design.co.uk
07399 358543 jpa-design.co.uk

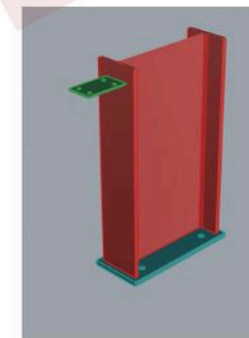
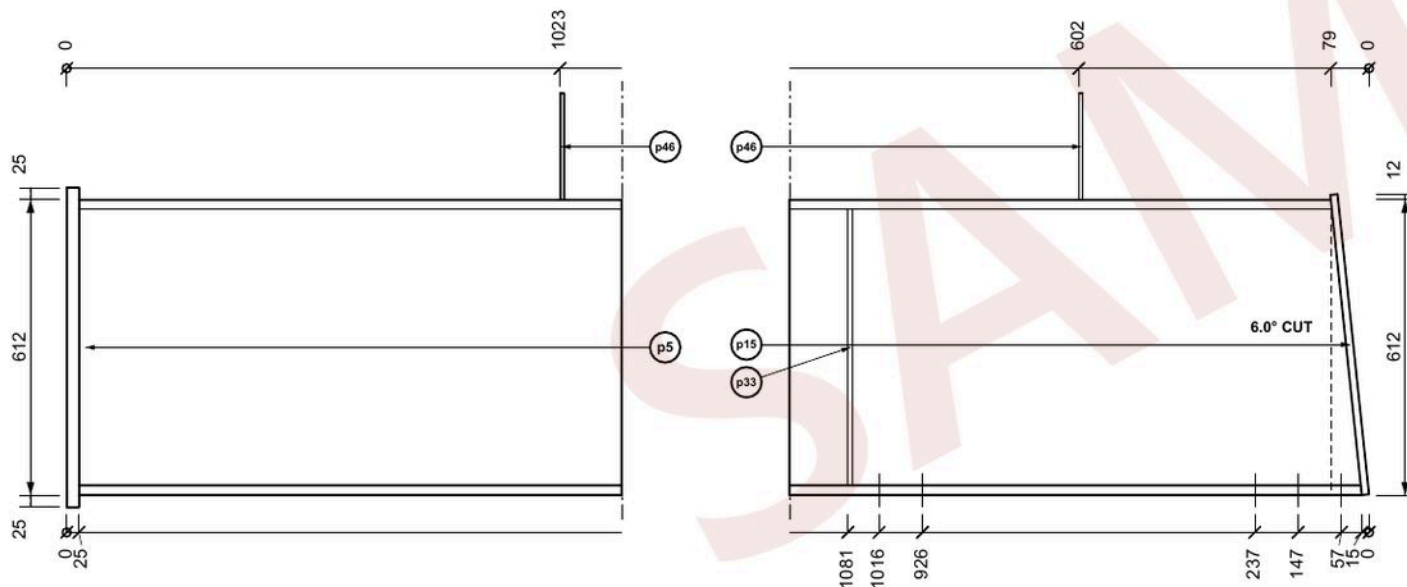
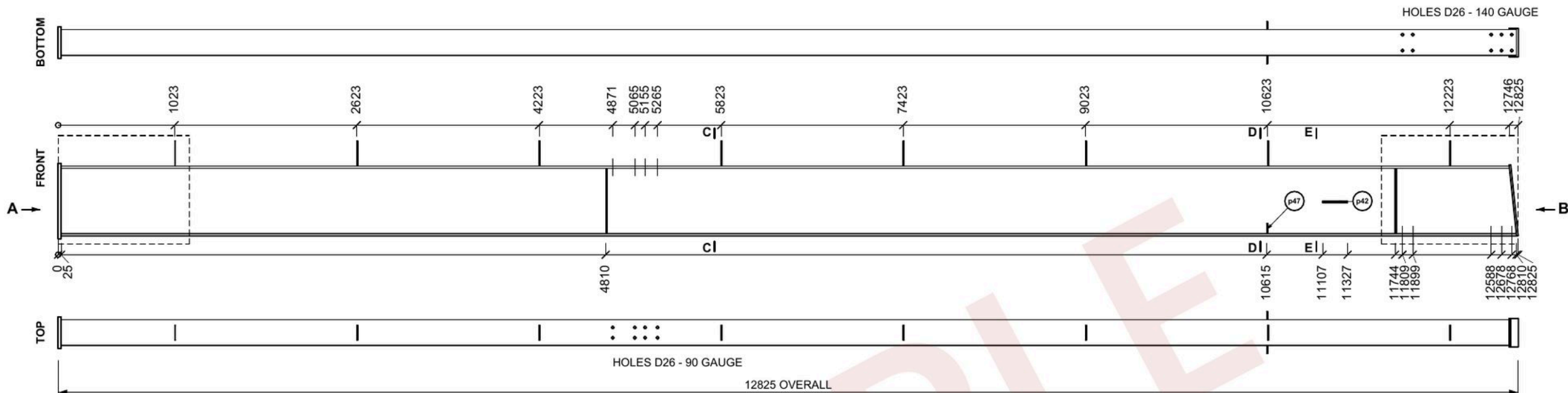


Sheets flattened for viewing at 150 dpi. Every sheet is a page from a full sample set.

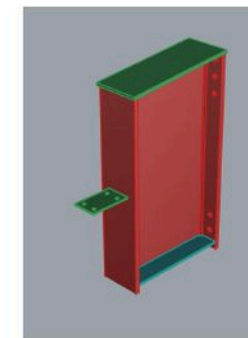


UNIT 7 - COLUMN C9-610x229x125UB - SHEET 1 OF 2

FABRICATION - 9 No AS DRAWN - SAMPLE - NOT FOR FABRICATION



3D - END A



3D - END B

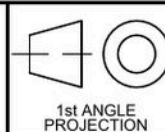
PARTS (PER ASSEMBLY)

PART	DESCRIPTION	No	LENGTH	kg EACH	kg
C9 (MAIN)	UB 610x229x125 S355JR - END CUTS SQUARE / 6.0°	1	12785	1595.4	1595.4
p5	PL25 x 279 x 662 S275JR BASE	1	662	35.7	35.7
p15	PL15 x 249 x 626 S275JR CAP	1	626	18.3	18.3
p33	PL10 x 107 x 573 S275JR STIFFENER	4	573	4.8	19.1
p42	PL10 x 100 x 220 S275JR FIN PLATE	2	220	1.6	3.3
p46	PL8 x 130 x 220 S275JR RAIL CLEAT	8	220	1.7	13.9
p47	PL8 x 90 x 179 S275JR FLY BRACE PLATE	2	179	1.0	2.0

9 No REQUIRED AS DRAWN MARKED C9

MASS EACH 1688 kg (EXCL. BOLTS AND WELDS). FINISH: BLAST + PRIMED + 2 COATS

- NOTES**
- DIMENSIONS mm. DO NOT SCALE. RUNNING DIMENSIONS ALONG THE MAIN PART FROM ITS DATUM END (O). SIZES INDICATIVE - THE ENGINEER'S DESIGN GOVERNS.
 - MAIN PART UB 610x229x125 S355JR; PLATES S275JR U.N.O. EXECUTION CLASS EXC2 TO BS EN 1090-2.
 - ALL WELDS z6 CONTINUOUS FILLET, SHOP, U.N.O. OTHER WELDS AS SYMBOLISED (BS EN ISO 2553).
 - HOLES IN THE MAIN PART DIA 26, DRILLED OR PUNCHED, DEBURRED. PLATE HOLES: PLATE DRAWINGS.
 - PART MARKS p.. AS THE PLATE DRAWINGS; MARK THE ASSEMBLY MARK ON THE WEB AT THE DATUM END.



1st ANGLE
PROJECTION

QUALITY RECORD (BY THE FABRICATOR)			
STAGE	OPERATION	NAME	DATE
1	FABRICATED BY		
2	CHECKED BY		
3	WELDED BY		
4	FITTED BY		
5	FINAL INSPECTION		

REV	DESCRIPTION	BY	DATE
P01	SAMPLE - NOT FOR FABRICATION	JP	OCT 2026

PROCEDURE REF:-	
FABRICATOR'S WPS	
EXECUTION CLASS 2	

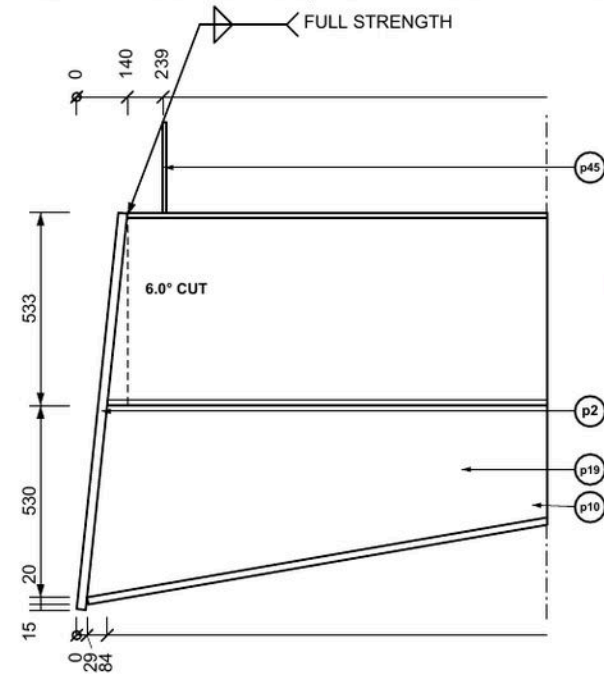
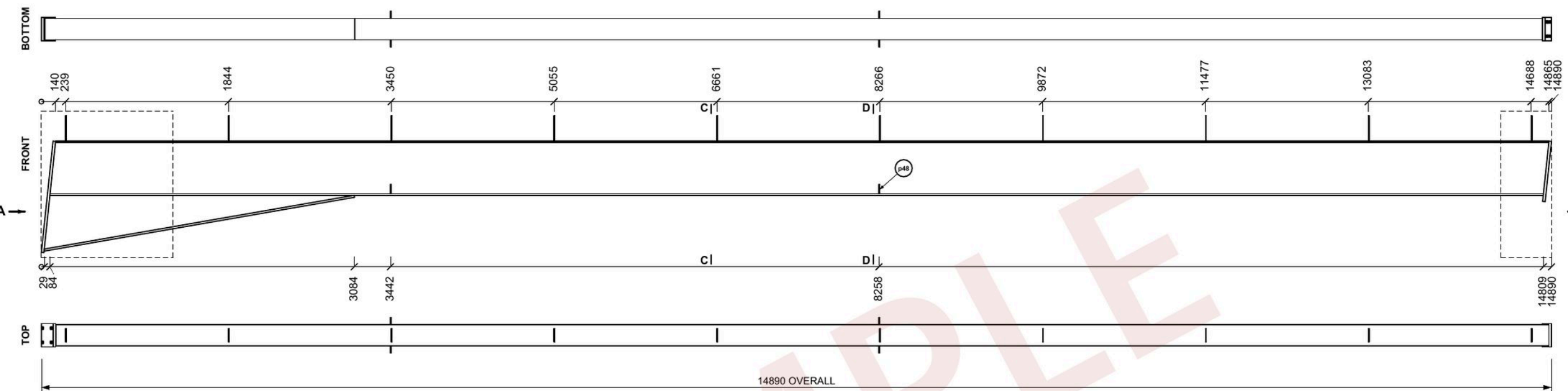
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3. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
4. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
5. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
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7. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
8. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
9. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
10. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2

JPA DESIGN			
STEEL & ALUMINIUM DETAILING			
FABRICATION DRAWINGS			
DETAILED TO THE ENGINEER'S AND			
ARCHITECT'S DESIGN			
DRAWN	CHECKED	DATE	SCALE @ A3
JPA		OCT 2026	1:60 / AS SHOWN

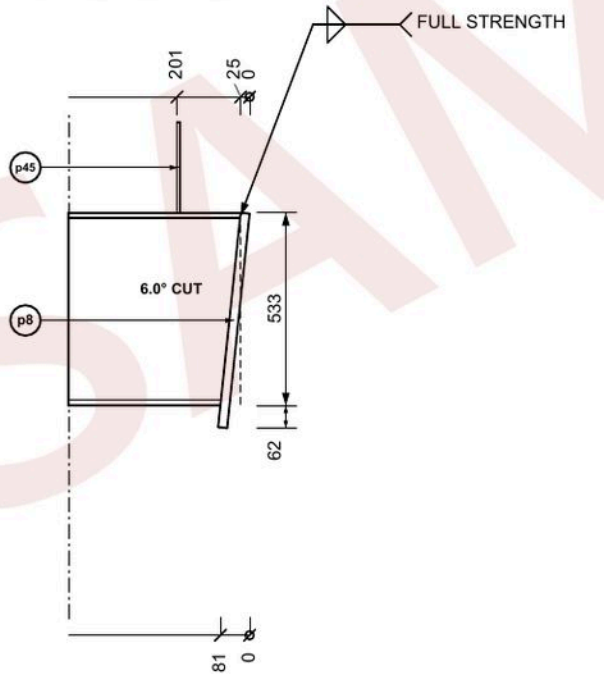
DESCRIPTION:	
UNIT 7 - COLUMN C9-610x229x125UB - SHEET 1 OF 2	
CONTRACT:	
UNIT 7 DISTRIBUTION CENTRE (SAMPLE)	
PROJECT No	DRAWING No
U7	U7-JPA-ZZ-XX-DR-S-FA-C9-1
ISSUE	
P01	

UNIT 7 - RAFTER R7-533x210x92UB - SHEET 1 OF 2

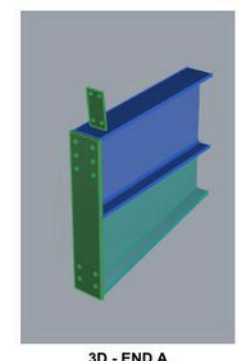
FABRICATION - 22 No AS DRAWN - SAMPLE - NOT FOR FABRICATION



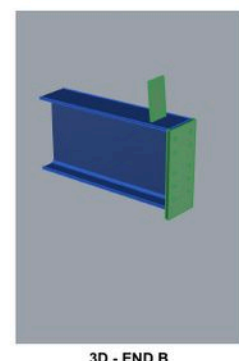
DETAIL 1 - END A
1:20 - SET OUT FROM END A



DETAIL 2 - END B
1:20 - SET OUT FROM END B



3D - END A



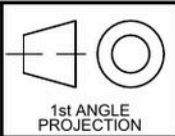
3D - END B

PARTS (PER ASSEMBLY)

PART	DESCRIPTION	No	LENGTH	kg EACH	kg
R7 (MAIN)	UB 533x210x92 S355JR - END CUTS 6.0° / 6.0°	1	14781	1356.1	1356.1
p2	PL25 x 230 x 1102 S275JR END PLATE	1	1102	48.7	48.7
p8	PL25 x 230 x 596 S275JR END PLATE	1	596	25.9	25.9
p10	PL20 x 209 x 3101 S275JR HAUNCH	1	3101	101.9	101.9
p19	PL12 x 530 x 3056 S275JR HAUNCH	1	3056	74.9	74.9
p45	PL8 x 130 x 250 S275JR PURLIN CLEAT	10	250	2.0	19.8
p48	PL8 x 90 x 170 S275JR FLY BRACE PLATE	4	170	0.9	3.8

22 No REQUIRED AS DRAWN MARKED R7
MASS EACH 1631 kg (EXCL. BOLTS AND WELDS). FINISH: BLAST + PRIMED + 2 COATS

- NOTES
- DIMENSIONS mm. DO NOT SCALE. RUNNING DIMENSIONS ALONG THE MAIN PART FROM ITS DATUM END (O). SIZES INDICATIVE - THE ENGINEER'S DESIGN GOVERNS.
 - MAIN PART UB 533x210x92 S355JR; PLATES S275JR U.N.O. EXECUTION CLASS EXC2 TO BS EN 1090-2.
 - ALL WELDS z6 CONTINUOUS FILLET, SHOP, U.N.O. OTHER WELDS AS SYMBOLISED (BS EN ISO 2553).
 - HOLES IN THE MAIN PART DIA - DRILLED OR PUNCHED, DEBURRED. PLATE HOLES: PLATE DRAWINGS.
 - PART MARKS p., AS THE PLATE DRAWINGS; MARK THE ASSEMBLY MARK ON THE WEB AT THE DATUM END.



1st ANGLE
PROJECTION

QUALITY RECORD (BY THE FABRICATOR)			
STAGE	OPERATION	NAME	DATE
1	FABRICATED BY		
2	CHECKED BY		
3	WELDED BY		
4	FITTED BY		
5	FINAL INSPECTION		

REV	DESCRIPTION	BY	DATE
P01	SAMPLE - NOT FOR FABRICATION	JP	OCT 2026

PROCEDURE REF:-	
FABRICATOR'S WPS	
EXECUTION CLASS 2	

1. ALL WELDING TO BS EN ISO 5854. EXECUTION CLASS 2.
2. ALL WELDS TO BE INSPECTED BY THE FABRICATOR.
3. ALL WELDS TO BE INSPECTED BY THE FABRICATOR.
4. ALL WELDS TO BE INSPECTED BY THE FABRICATOR.
5. ALL WELDS TO BE INSPECTED BY THE FABRICATOR.
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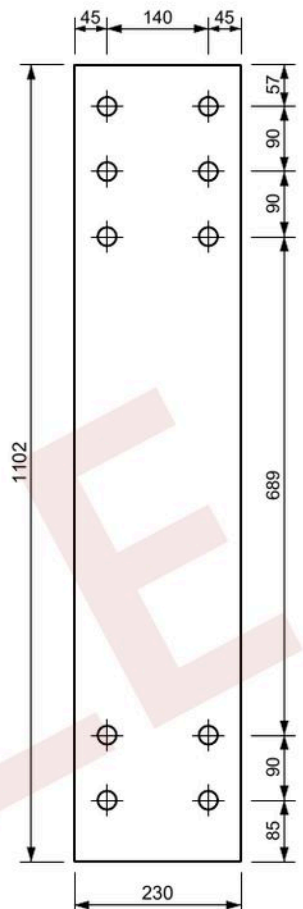
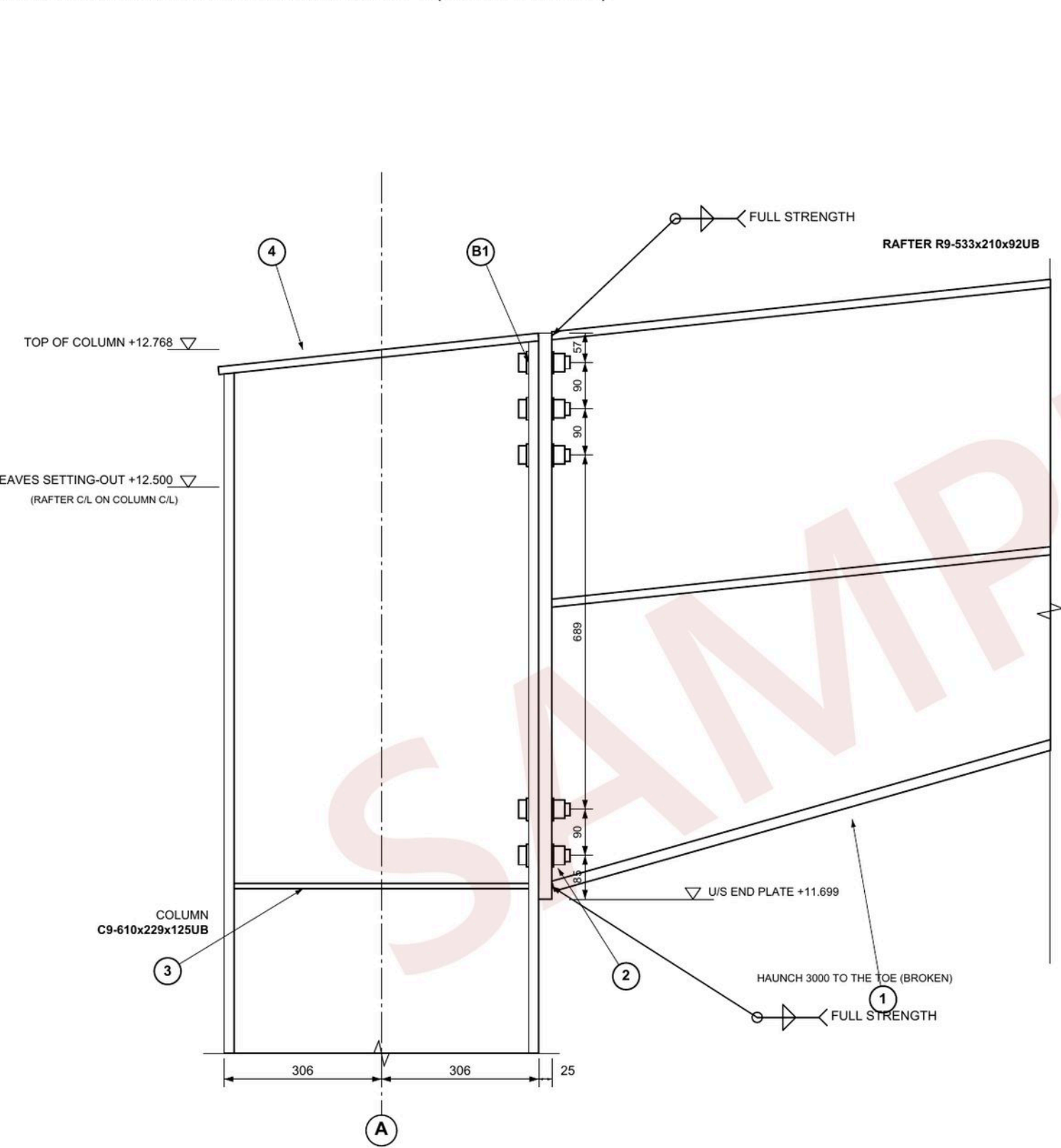
JPA DESIGN
STEEL & ALUMINIUM DETAILING
FABRICATION DRAWINGS
DETAILED TO THE ENGINEER'S AND
ARCHITECT'S DESIGN

DRAWN	CHECKED	DATE	SCALE @ A3
JPA		OCT 2026	1:60 AS SHOWN

DESCRIPTION:			
UNIT 7 - RAFTER R7-533x210x92UB - SHEET 1 OF 2			
CONTRACT:			
UNIT 7 DISTRIBUTION CENTRE (SAMPLE)			
PROJECT No	DRAWING No	ISSUE	
U7	U7-JPA-ZZ-XX-DR-S-FA-R7-1	P01	

UNIT 7 - EAVES CONNECTION - TYPICAL

SAMPLE - NOT FOR FABRICATION, MAIN BLOCK GRIDS A AND C (34 No IN THE JOB)



END PLATE - ITEM 2 1:10

PL25 x 230 x 1102 S275JR
10 No DIA 26 HOLES
COLUMN FLANGE DRILLED TO MATCH
TOP FLUSH WITH THE RAFTER TOP AT THE FACE

BOLTS (EN 15048 / ISO 4017, 8.8, HDG) - 34 No CONNECTIONS

REF	ASSEMBLY	GRIP / PROJ	HOLE	EACH	JOB	ORDER
B1	M24 x 90 GR 8.8, NUT, 2 WASHERS, HDG	45 / 16	DIA 26	10	340	357

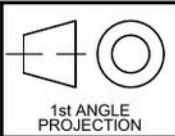
PARTS (PLATES S275JR, HAUNCH S355)

ITEM	DESCRIPTION	EACH	JOB
1	HAUNCH 3000 LONG x 533 DEEP, CUT FROM UB 533x210x92	1	34
2	END PLATE PL25 x 230 x 1102 S275JR, 10 No DIA 26	1	34
3	STIFFENER PL10 x 107 x 573 S275JR, CORNERS SNIPED	2	68
4	CAP PL15 x 249 x 626 S275JR	1	34

WELDS (SYMBOLS TO BS EN ISO 2553)

REF	JOINT	WELD	SHOWN
W1	COLUMN TO CAP PLATE	z6 FILLET ALL ROUND	GENERAL NOTE
W2	RAFTER TO END PLATE	FULL STRENGTH FILLET BOTH SIDES ALL ROUND	SYMBOL
W3	HAUNCH TO END PLATE	FULL STRENGTH FILLET BOTH SIDES ALL ROUND	SYMBOL
W4	HAUNCH TO RAFTER	z6 FILLET BOTH SIDES	GENERAL NOTE
W5	STIFFENER TO COLUMN	z6 FILLET BOTH SIDES	GENERAL NOTE
W6	STIFFENER TO COLUMN	z6 FILLET BOTH SIDES	GENERAL NOTE

NOTES
1. DIMENSIONS mm, LEVELS m. DO NOT SCALE. SIZES INDICATIVE - THE ENGINEER'S DESIGN GOVERNS.
2. ALL WELDS z6 (6 mm LEG) CONTINUOUS FILLET (CFW), SHOP, UNLESS NOTED OTHERWISE (W1, W4, W5, W6).
3. OTHER WELDS AS SYMBOLISED, BS EN ISO 2553 SYSTEM A. FULL STRENGTH: SIZE + WPS BY THE ENGINEER.
4. BOLTS 8.8 HDG, 1 THREAD MIN PAST THE NUT (BS EN 1090-2 8.2.2). HOLES d + 2. EXC2.
5. HAUNCH: ONE UB 533x210x92 LENGTH CUT DIAGONALLY MAKES TWO. COLUMN FLANGE DRILLED TO MATCH.



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4	FITTED BY		
5	FINAL INSPECTION		

PROCEDURE REF:-	
FABRICATOR'S WPS	
EXECUTION CLASS 2	

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JPA DESIGN			
STEEL & ALUMINIUM DETAILING			
FABRICATION DRAWINGS			
DETAILED TO THE ENGINEER'S AND ARCHITECT'S DESIGN			
DRAWN	CHECKED	DATE	SCALE @ A3
JPA		OCT 2026	1:10 @ A3

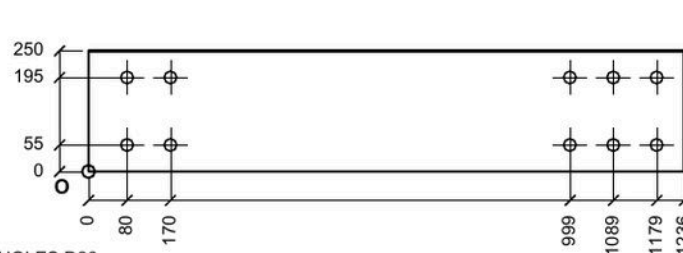
DESCRIPTION:			
UNIT 7 - EAVES CONNECTION - TYPICAL			
CONTRACT:			
UNIT 7 DISTRIBUTION CENTRE (SAMPLE)			
PROJECT No	DRAWING No	ISSUE	
U7	U7-JPA-ZZ-XX-DR-S-CD-01	P01	

UNIT 7 - PLATES 25 mm THICK - p1-p9

PLATE PARTS - 25 mm S275JR - 9 MARKS, 250 PLATES - SHEET 1 OF 11 - SAMPLE - NOT FOR FABRICATION

p1 PL25 x 250 x 1236 S275JR
18 No 59.6 kg EACH 1073 kg 1:15

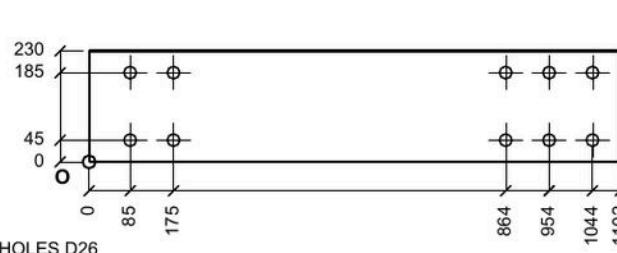
25 THK



10 HOLES D26
ON: R15, R15X, R16, R16X, R17 x10, R18, R18X, R19, R20
DXF: U7-p1.dxf

p2 PL25 x 230 x 1102 S275JR
34 No 48.7 kg EACH 1655 kg 1:15

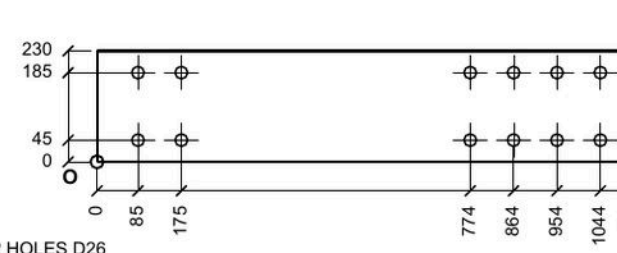
25 THK



10 HOLES D26
ON: R1, R4, R5 x2, R5X x2, R7 x22, R9 x2, R9X x2, R11, R14
DXF: U7-p2.dxf

p3 PL25 x 230 x 1102 S275JR
34 No 48.5 kg EACH 1648 kg 1:15

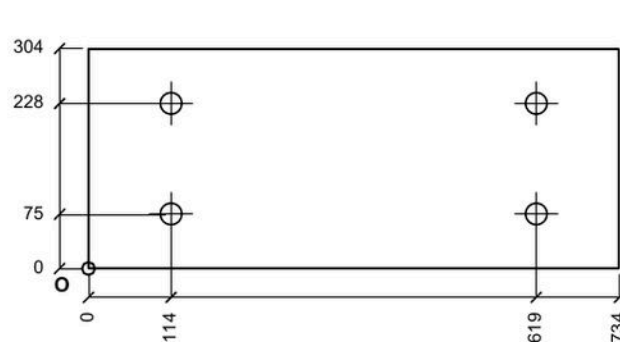
25 THK



12 HOLES D26
ON: R2, R3, R6 x2, R6X x2, R8 x22, R10 x2, R10X x2, R12, R13
DXF: U7-p3.dxf

p4 PL25 x 304 x 734 S275JR
18 No 43.2 kg EACH 777 kg 1:10

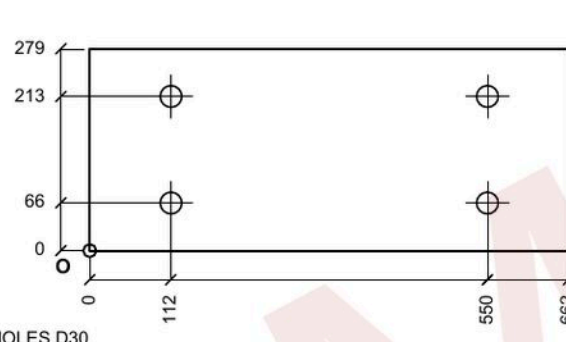
25 THK



4 HOLES D30
ON: C16, C16X, C17 x2, C17X x2, C18 x2, C18X x2, C19 x6, C20, C20X
DXF: U7-p4.dxf

p5 PL25 x 279 x 662 S275JR
34 No 35.7 kg EACH 1214 kg 1:10

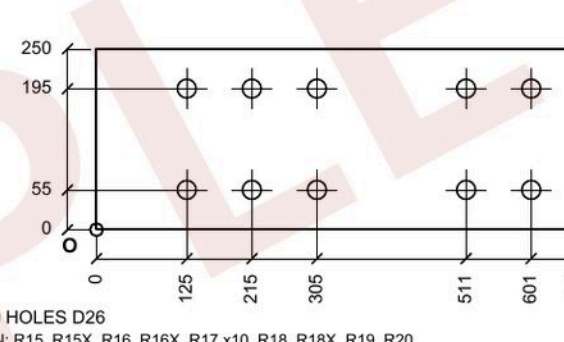
25 THK



4 HOLES D30
ON: C1, C3, C4, C6 x2, C7 x4, C8 x7, C9 x9, C10, C11 +4 MORE
DXF: U7-p5.dxf

p6 PL25 x 250 x 666 S275JR
18 No 31.6 kg EACH 569 kg 1:10

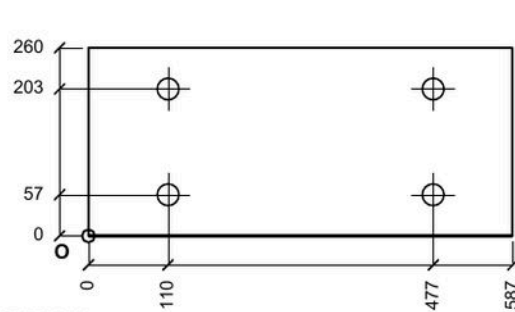
25 THK



10 HOLES D26
ON: R15, R15X, R16, R16X, R17 x10, R18, R18X, R19, R20
DXF: U7-p6.dxf

p7 PL25 x 260 x 587 S275JR
17 No 29.4 kg EACH 499 kg 1:10

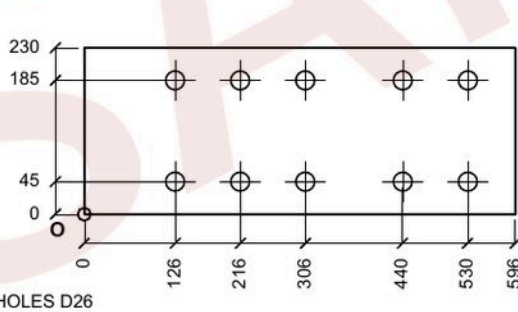
25 THK



4 HOLES D30
ON: C2 x2, C5 x15
DXF: U7-p7.dxf

p8 PL25 x 230 x 596 S275JR
68 No 25.9 kg EACH 1759 kg 1:10

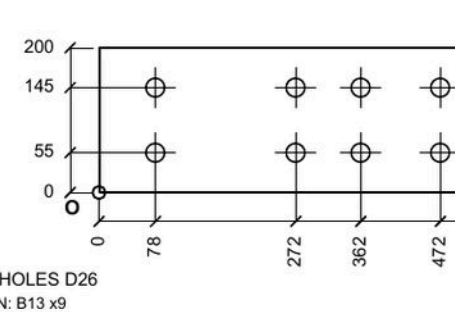
25 THK



10 HOLES D26
ON: R1, R2, R3, R4, R5 x2, R5X x2, R6 x2, R6X x2, R7 x22 +9 MORE
DXF: U7-p8.dxf

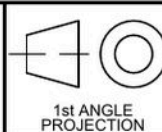
p9 PL25 x 200 x 512 S275JR
9 No 19.3 kg EACH 173 kg 1:10

25 THK



8 HOLES D26
ON: B13 x9
DXF: U7-p9.dxf

NOTES
1. DIMENSIONS mm. DO NOT SCALE. HOLES AND CORNERS ARE ORDINATES FROM EACH PLATE'S DATUM CORNER O (NEAREST mm: DXF GOVERNS).
2. PLATES S275JR U.N.O., FLAT, CUT TO THE DXF (1:1, LAYERS CUT / HOLES / ETCH-TEXT). EDGES AND HOLES DEBURRED.
3. HOLES DRILLED OR PUNCHED TO SIZE; SLOTS CUT. HARD STAMP OR ETCH THE PART MARK ON EACH PLATE.
4. QUANTITIES ARE FOR THE WHOLE JOB. 'ON' LISTS THE ASSEMBLY MARKS EACH PLATE IS WELDED TO (x = NUMBER ON EACH MARK).
5. SIZES INDICATIVE - THE ENGINEER'S DESIGN GOVERNS.



1st ANGLE
PROJECTION

QUALITY RECORD (BY THE FABRICATOR)			
STAGE	OPERATION	NAME	DATE
1	FABRICATED BY		
2	CHECKED BY		
3	WELDED BY		
4	FITTED BY		
5	FINAL INSPECTION		

PROCEDURE REF:-	
FABRICATOR'S WPS	
EXECUTION CLASS 2	

1. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
2. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
3. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
4. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
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6. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
7. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
8. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
9. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2
10. ALL WORKING TO BS EN ISO 9001:2015, EXECUTION CLASS 2

JPA DESIGN			
STEEL & ALUMINIUM DETAILING			
FABRICATION DRAWINGS			
DETAILED TO THE ENGINEER'S AND			
ARCHITECT'S DESIGN			
DRAWN	CHECKED	DATE	SCALE @ A3
JPA		OCT 2026	AS SHOWN

DESCRIPTION:			
UNIT 7 - PLATES 25 mm THICK - p1-p9			
CONTRACT:			
UNIT 7 DISTRIBUTION CENTRE (SAMPLE)			
PROJECT No	DRAWING No	ISSUE	
U7	U7-JPA-ZZ-XX-DR-S-PL-01	P01	

