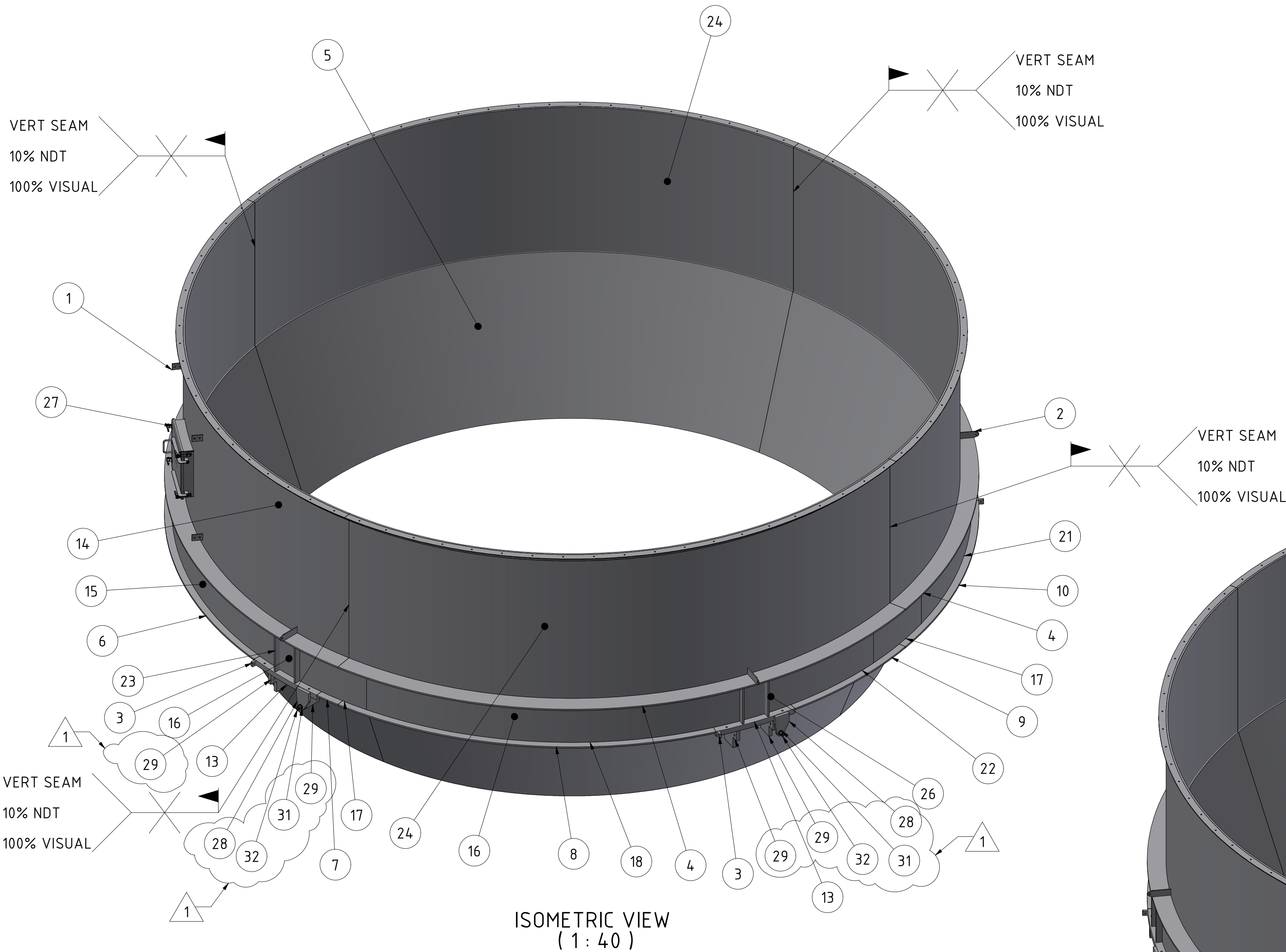


ADBRI BIRKENHEAD 1000T RMS SILO

SILO RING BEAM WELDMENT

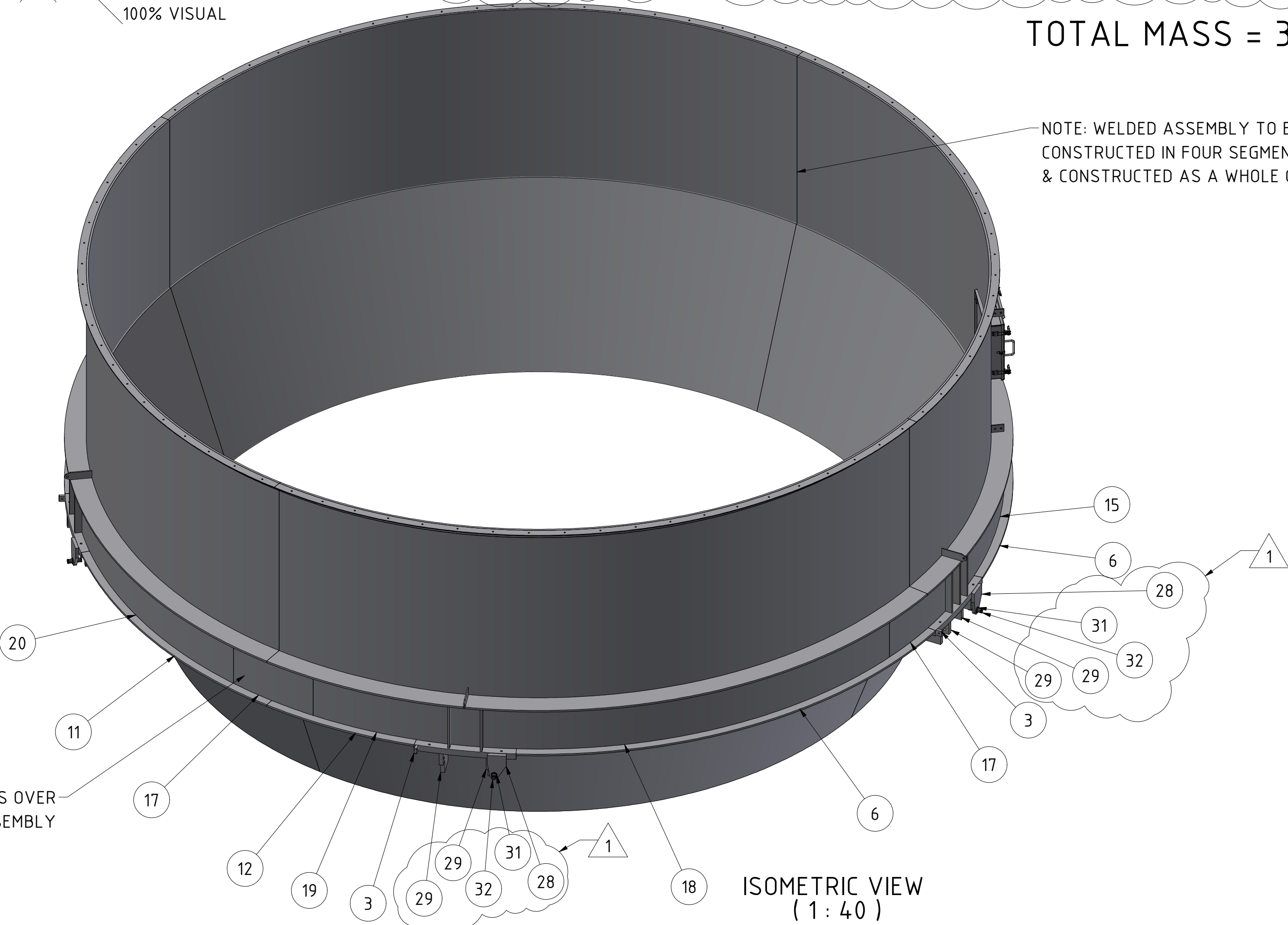


BOM - GENERAL ASSEMBLY					
ITEM	QTY	PART NUMBER	DESCRIPTION	DETAILED DRAWING	MATERIAL
1	4	236-020-PRT-132	100.0 mm x 150.0 mm x 12.0 mm	236-020-WAS-120	Steel PT460NR
2	5	236-020-PRT-133	323.0 mm x 100.0 mm x 12.0 mm	236-020-WAS-120	Steel PT460NR
3	5	236-020-PRT-134	EARTHING LUG	236-020-WAS-120	Steel PT460NR
4	4	236-020-PRT-135-1	UPPER RING BEAM - 25 THK	236-020-WAS-120	Steel PT460NR
5	4	236-020-PRT-136-1	UPPER SECTION CONE - 12 THK	236-020-WAS-120	Steel PT460NR
6	2	236-020-PRT-137-1	LOWER RING BEAM - 25 THK	236-020-WAS-120	Steel PT460NR
7	1	236-020-PRT-137-2	LOWER RING BEAM - 25 THK	236-020-WAS-120	Steel PT460NR
8	1	236-020-PRT-137-3	LOWER RING BEAM - 25 THK	236-020-WAS-120	Steel PT460NR
9	1	236-020-PRT-137-5	LOWER RING BEAM - 25 THK	236-020-WAS-120	Steel PT460NR
10	1	236-020-PRT-137-6	LOWER RING BEAM - 25 THK	236-020-WAS-120	Steel PT460NR
11	1	236-020-PRT-137-7	LOWER RING BEAM - 25 THK	236-020-WAS-120	Steel PT460NR
12	1	236-020-PRT-137-8	LOWER RING BEAM - 25 THK	236-020-WAS-120	Steel PT460NR
13	5	236-020-PRT-138	LOAD CELL MOUNT PLATE - 80 THK	236-020-SAS-130	Steel Mild GR350
14	1	236-020-PRT-141-1	LOWER SECTION CYLINDER W/ HATCH HOLE- 25 THK	236-020-WAS-120	Steel PT460NR
15	1	236-020-PRT-142-1	RING BEAM OUTER WEB - 16 THK	236-020-WAS-120	Steel PT460NR
16	5	236-020-PRT-142-2	RING BEAM OUTER WEB - 16 THK	236-020-WAS-120	Steel PT460NR
17	4	236-020-PRT-143	RING BEAM OUTER WEB - 16 THK	236-020-WAS-120	Steel PT460NR
18	2	236-020-PRT-144	RING BEAM OUTER WEB - 16 THK	236-020-WAS-120	Steel PT460NR
19	1	236-020-PRT-145	RING BEAM OUTER WEB - 16 THK	236-020-WAS-120	Steel PT460NR
20	1	236-020-PRT-146	RING BEAM OUTER WEB - 16 THK	236-020-WAS-120	Steel PT460NR
21	1	236-020-PRT-147	RING BEAM OUTER WEB - 16 THK	236-020-WAS-120	Steel PT460NR
22	1	236-020-PRT-148	RING BEAM OUTER WEB - 16 THK	236-020-WAS-120	Steel PT460NR
23	11	236-020-PRT-161	RING BEAM STIFFENER - 25 THK	236-020-WAS-120	Steel PT460NR
24	3	236-020-PRT-182	LOWER STRAKE SECTION - 25 THK	236-020-WAS-120	Steel PT460NR
25	5	236-020-PRT-211	FLAT 25 X 5	236-020-WAS-120	PT460NR
26	4	236-020-PRT-213-1	EA 100 x 100 x 12 - UPPER FLANGE	236-020-WAS-120	PT460NR
27	1	236-020-SAS-140	SILO SIDE CYLINDER HATCH ASSEMBLY	236-020-SAS-140	
28	5	236-020-PRT-128	LATERAL RESTRAINT LUG	236-020-SAS-130	Steel Mild GR350
29	10	236-020-PRT-316	LOAD CELL CLEAT AND VERTICAL RESTRAINT	236-020-SAS-130	Steel Mild GR350
30	5	236-020-PRT-312	SILO CONE DOUBLER PLATE- 32 THK	236-020-WAS-120	Steel Mild GR350
31	10	236-020-PRT-314	SWING ARM ROD SPACER SHIMS, ZINC PLATED	236-020-SAS-130	Steel Mild GR250
32	5	236-020-PRT-318	SWING ARM ROD	236-020-SAS-130	Steel GR4140T

TOTAL MASS = 37062 kg

NOTE: WELDED ASSEMBLY TO BE
CONSTRUCTED IN FOUR SEGMENTS
& CONSTRUCTED AS A WHOLE ONSITE

NOTE: EXTERNAL OUTER WEB PLATES OVER
JOINTS TO BE WELDED ONSITE AFTER ASSEMBLY



NOTES :

1. REFER TO 236-020-SAS-001 FOR ASSEMBLY DETAILS, 236-020-GEN-001 FOR GENERAL NOTES & 236-020-RPT-001
2. WELD LINES TO BE OFFSET AS PER STANDARDS
3. SURFACE TREATMENT AS PER GENERAL NOTES DWG 236-020-GEN-001
4. INDIVIDUAL SEGMENTS TO BE SURVEYED FOR GEOMETRICAL ACCURACY PRIOR TO TRANSPORT TO SITE TO ENSURE CORRECT FITMENT
5. ASSEMBLY TO BE SURVEYED FOR GEOMETRICAL ACCURACY PRIOR TO WELDING AND FURTHER ASSEMBLY
6. CONSTRUCTION IS TO BE COMPLETED WITH TOLERANCE AS NOTED IN 236-020-GEN-001
7. IF IN DOUBT, ASK

REV	DATE	REVISION HISTORY	DRN	CHK	ENG	PM
1	28/06/2023	LOAD CELL MOUNTS CHANGED	AZ	DH	DP	HV
0	20/04/2023	ISSUED FOR CONSTRUCTION	MS	DH	DP	HV

DO NOT SCALE

ALL DIMENSIONS IN MILLIMETRES

DRAWING PRACTICE TO AS1800

IF IN DOUBT ASK

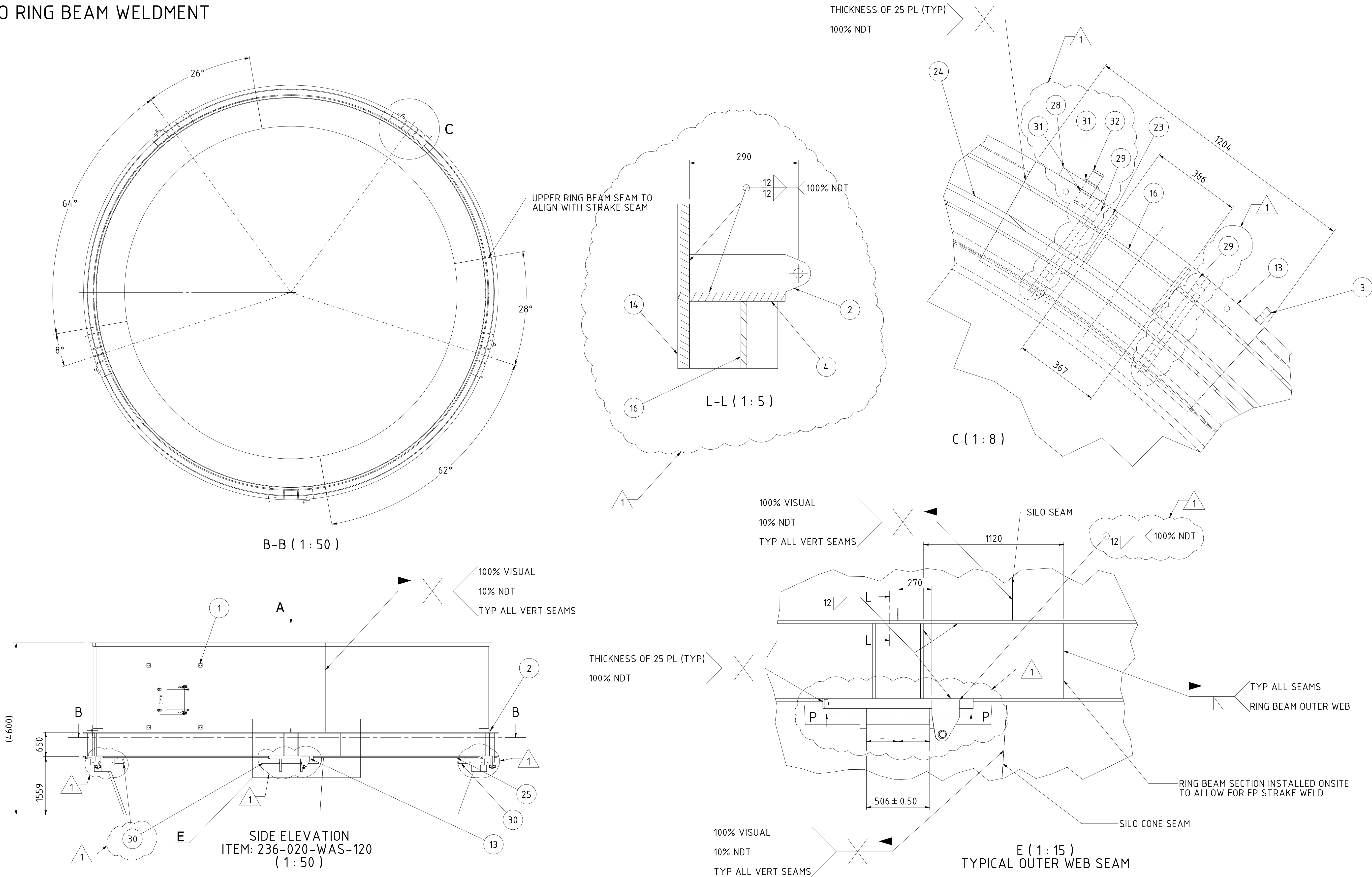
Customer : MCMAHON SERVICES/ABC

Reference : 236-020

Genius Consulting Pty Ltd, ABN 91 615 110 033
101 Henley Beach Rd, Ph: +61 8 7221 9970
Mile End, SA, 5031, www.ingenia.com.au

Status :	ISSUED FOR CONSTRUCTION				
Drawn : AZ	Date : 25/07/2022	A3 Scale = 1.5 x	A1 Sheet Scale =	1:50	
Description :	1000T RMS SILO SILO RING BEAM GENERAL ASSEMBLY				
Client Code	Job Number	Type	Drawing	Sheet	Revision
236 - 020 - WAS - 120 - 01 -	1				

ADBRI BIRKENHEAD 1000T RMS SILO
SILO RING BEAM WELDMENT



NOTES :

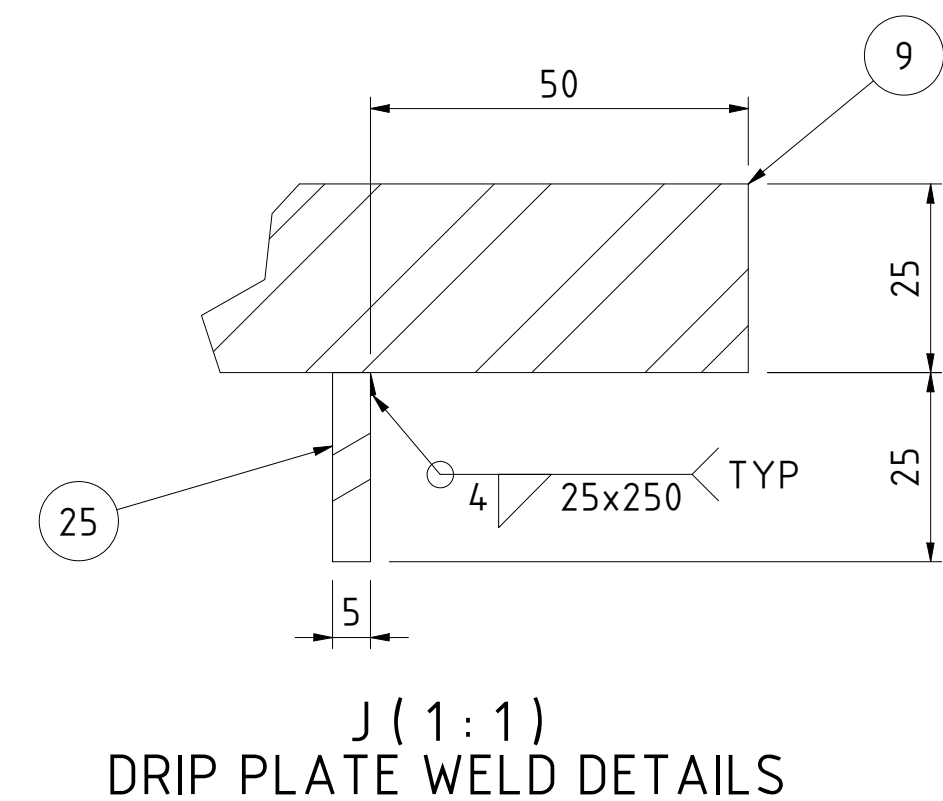
1. REFER TO 236-020-SAS-001 FOR ASSEMBLY DETAILS, 236-020-GEN-001 FOR GENERAL NOTES & 236-020-RPT-001
2. WELD LINES TO BE OFFSET AS PER STANDARDS
3. SURFACE TREATMENT AS PER GENERAL NOTES DWG 236-020-GEN-001
4. INDIVIDUAL SEGMENTS TO BE SURVEYED FOR GEOMETRICAL ACCURACY PRIOR TO TRANSPORT TO SITE TO ENSURE CORRECT FITMENT
5. ASSEMBLY TO BE SURVEYED FOR GEOMETRICAL ACCURACY PRIOR TO WELDING AND FURTHER ASSEMBLY
6. CONSTRUCTION IS TO BE COMPLETED WITH TOLERANCE AS NOTED IN 236-020-GEN-001
7. IF IN DOUBT, ASK

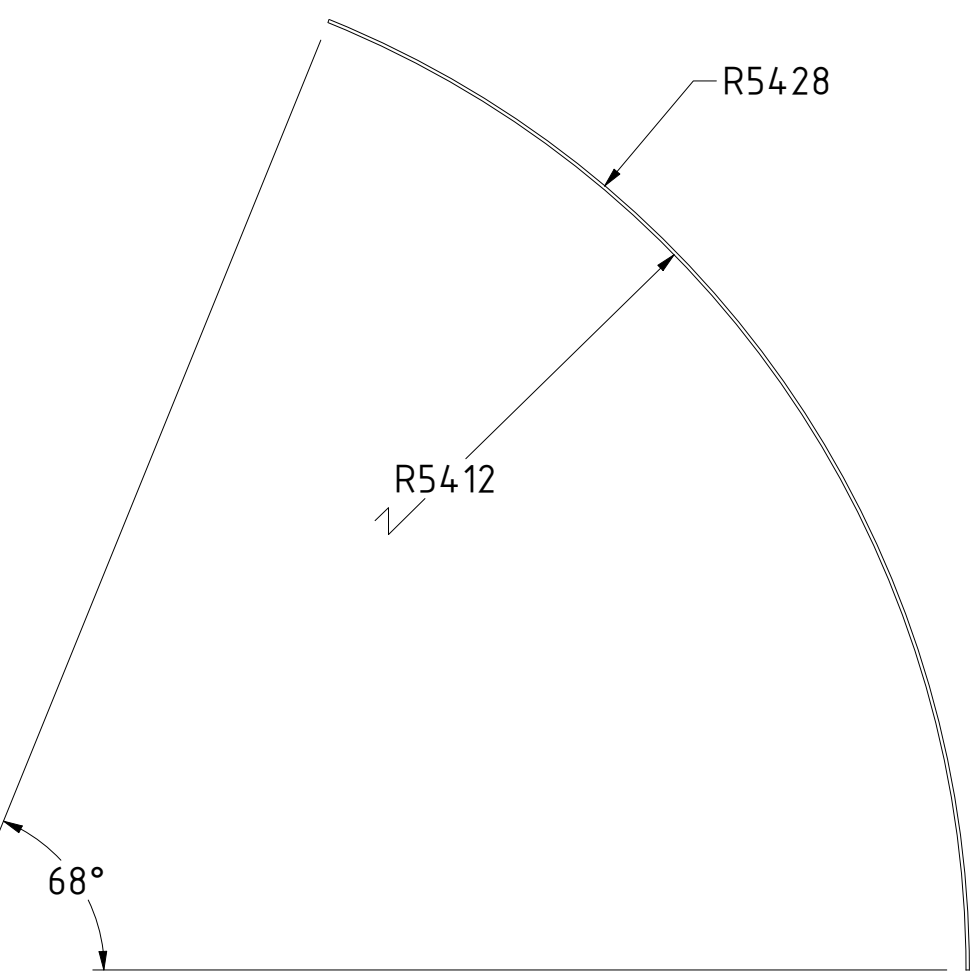
REV	DATE	REVISION HISTORY	DRN	CHK	ENG	PM
1	28/06/2023	LOAD CELL MOUNTS CHANGED	AZ	DH	DP	HV
0	20/04/2023	ISSUED FOR CONSTRUCTION	MS	DH	DP	HV

McMAHON SERVICES
Customer : MCMAHON SERVICES/ABC
Reference : 236-020

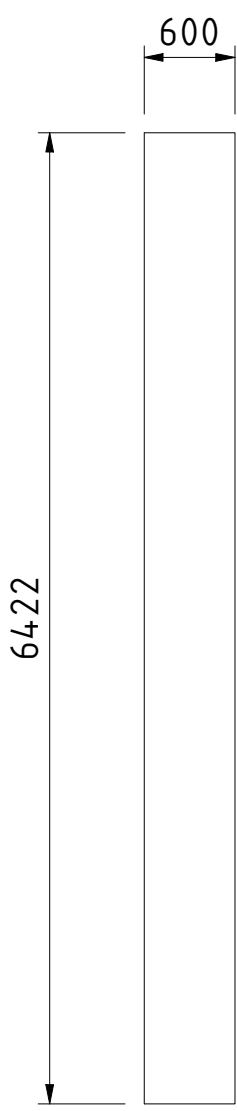
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101 Henley Beach Rd, Ph: +61 8 7221 9970
Mile End, SA, 5031, www.ingenia.com.au

Status :	ISSUED FOR CONSTRUCTION				
Drawn : AZ	Date : 25/07/2022	A3 Scale = 1.5 x	A1 Sheet Scale =	1:50	
Description :	1000T RMS SILO SILO RING BEAM PLAN/ ELEVATION & DETAILS				
Client Code	Job Number	Type	Drawing	Sheet	Revision
236	020	WAS	120	02	1

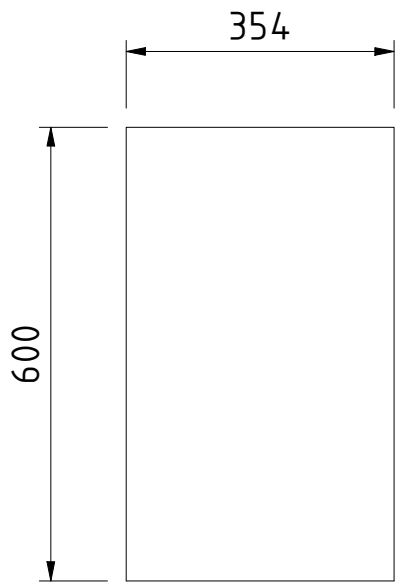




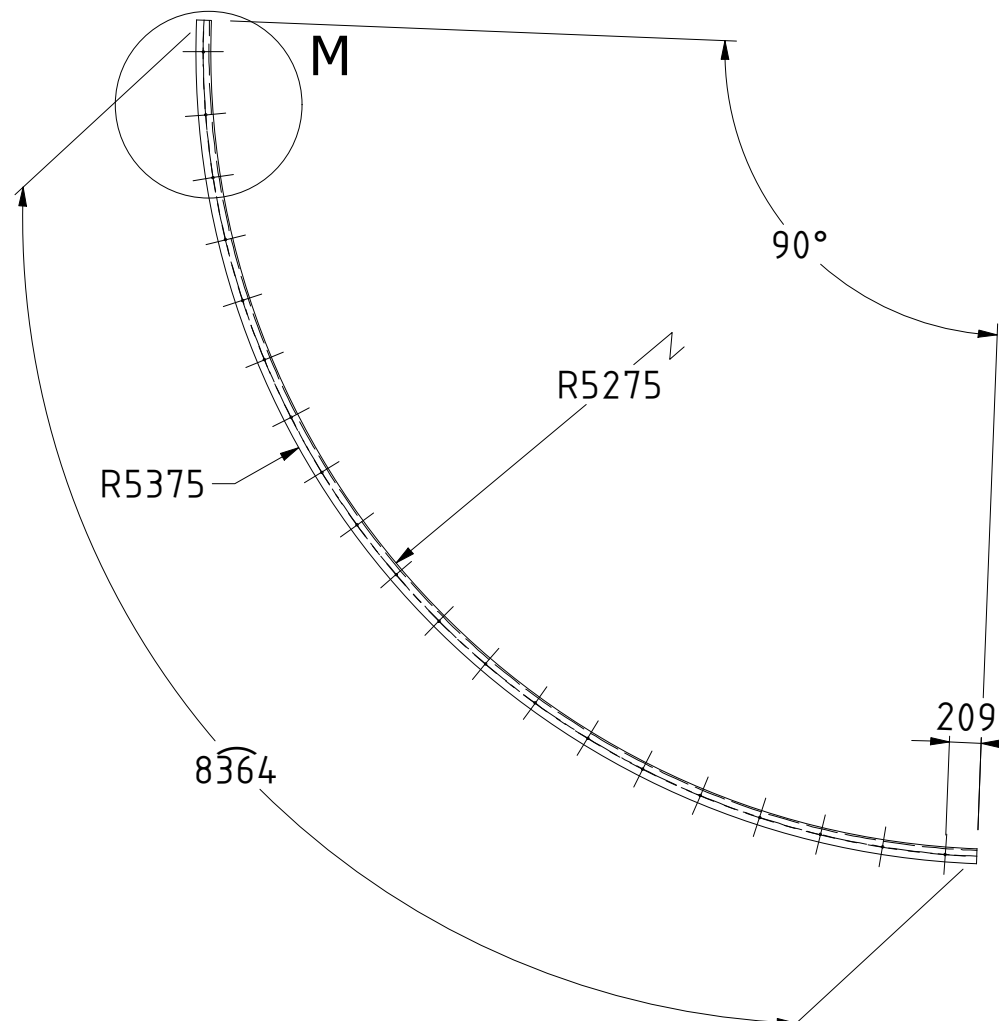
TOP VIEW
ITEM: 236-020-PRT-142-1
(1 : 40)
RING BEAM OUTER WEB - 16 THK



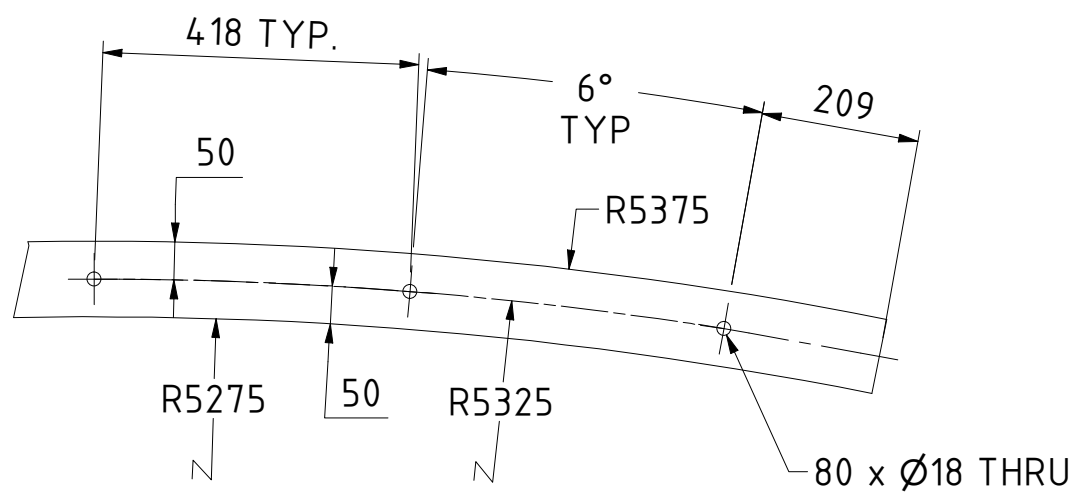
FLAT PATTERN
ITEM: 236-020-PRT-142-1
(1 : 50)
RING BEAM OUTER WEB - 16 THK



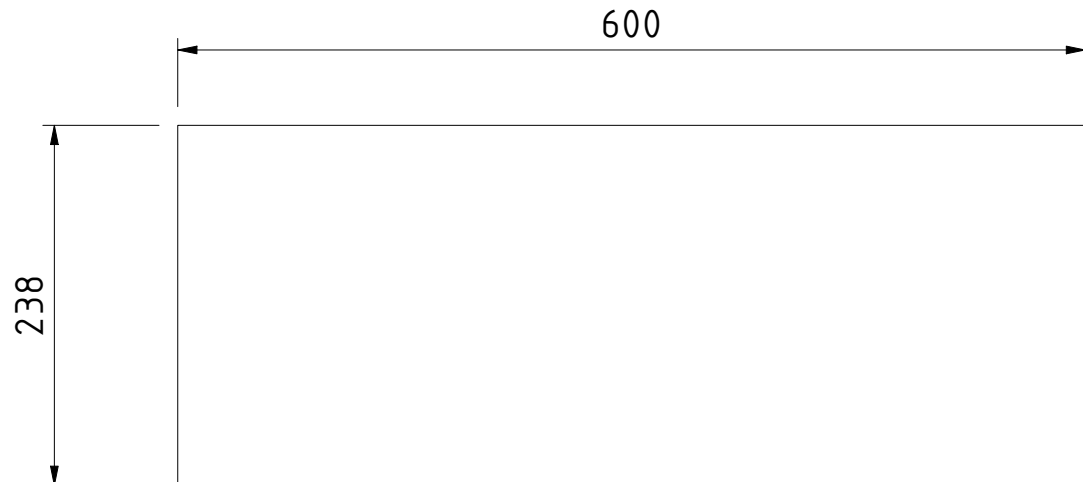
SIDE VIEW
ITEM: 236-020-PRT-142-2
(1 : 10)
RING BEAM OUTER WEB - 16 THK



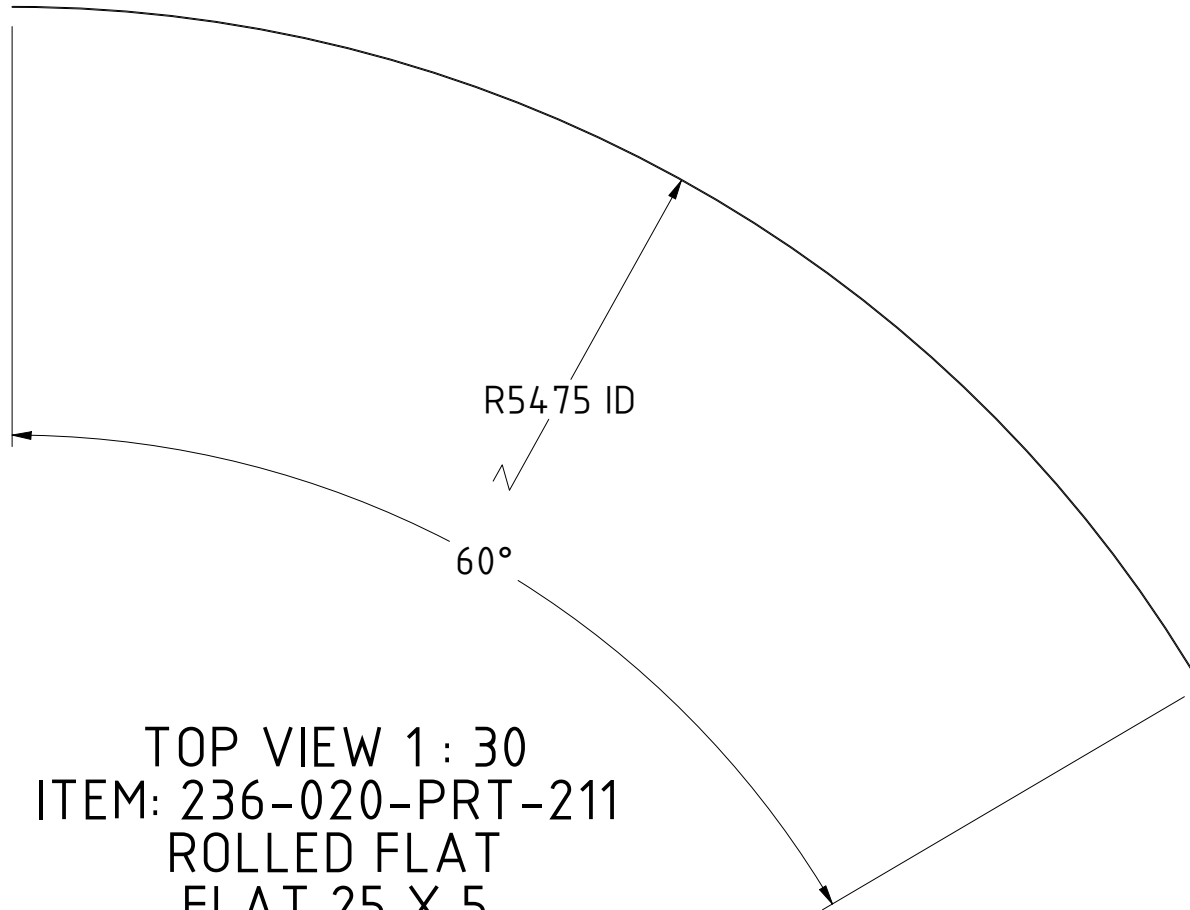
TOP VIEW
ITEM: 236-020-PRT-213-1
(1 : 50)
EA 100 x 100 x 12 - UPPER FLANGE



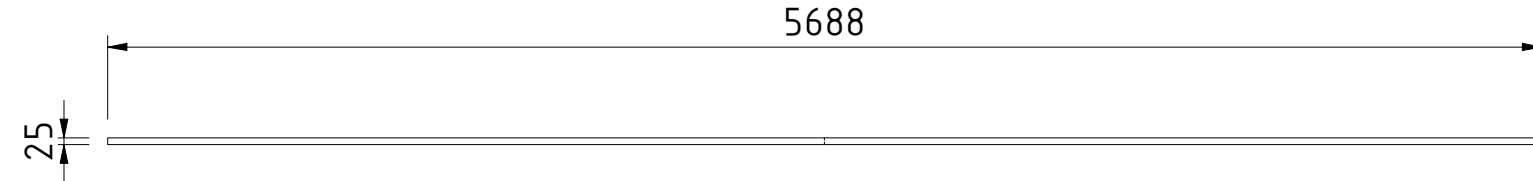
M (1 : 10)
EA 100 x 100 x 12 - UPPER FLANGE



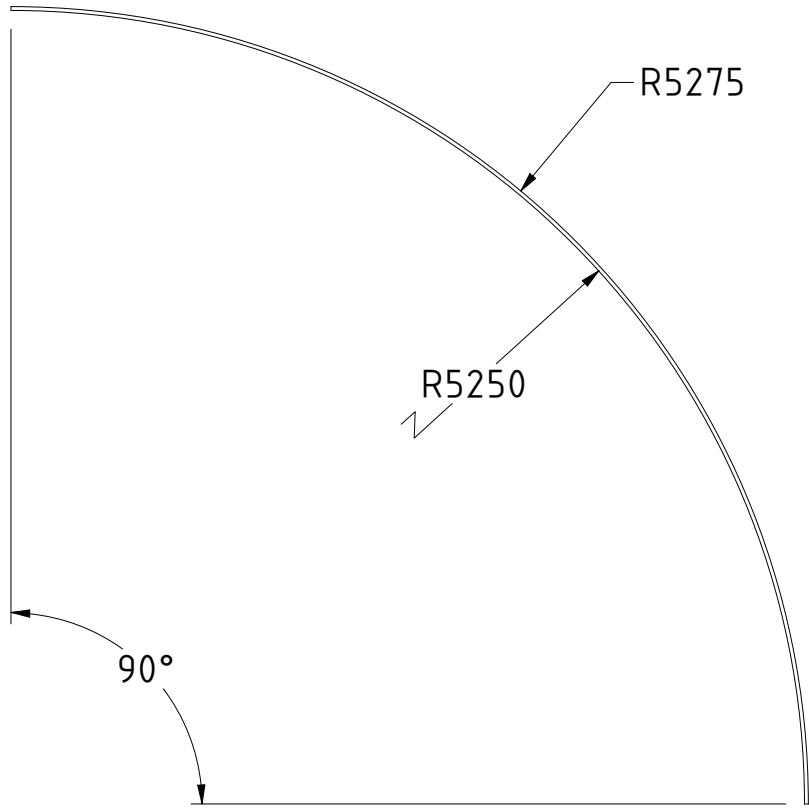
TOP VIEW
ITEM: 236-020-PRT-161
(1 : 5)
RING BEAM STIFFENER - 25 THK



TOP VIEW 1 : 30
ITEM: 236-020-PRT-211
ROLLED FLAT
FLAT 25 X 5



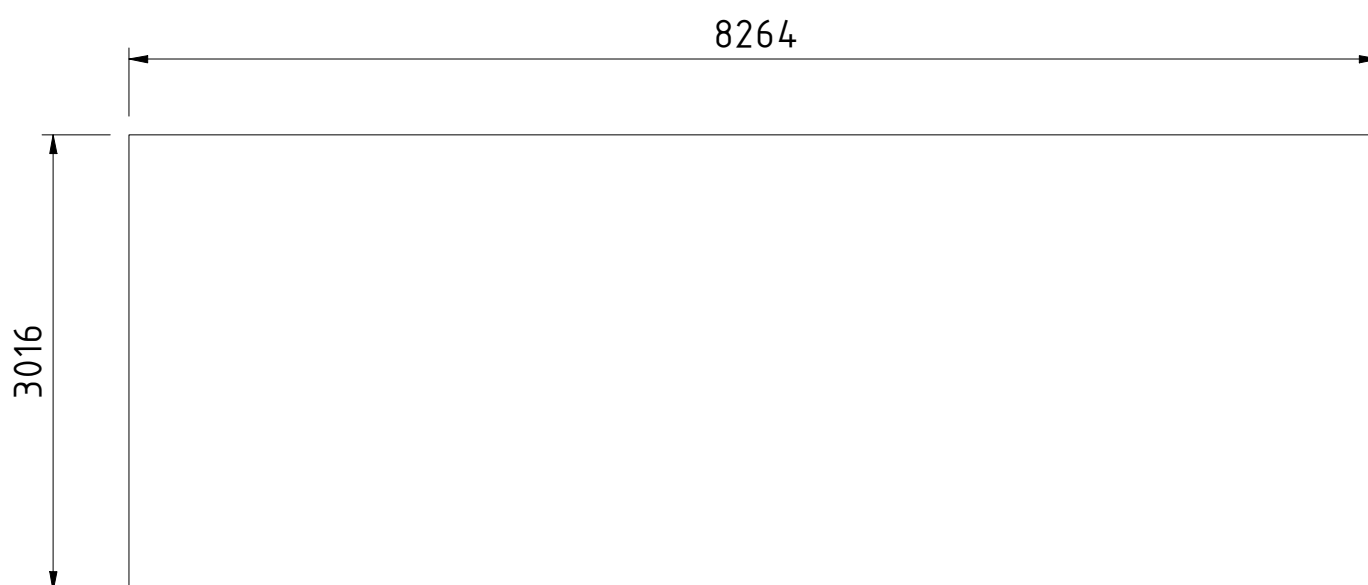
FLAT PATTERN
ITEM: 236-020-PRT-211
(1 : 30)
FLAT 25 X 5



TOP VIEW
ITEM: 236-020-PRT-182
(1 : 50)
LOWER STRAKE SECTION - 25 THK



SIDE VIEW
ITEM: 236-020-PRT-182
(1 : 50)
LOWER STRAKE SECTION - 25 THK



FLAT PATTERN
ITEM: 236-020-PRT-182
(1 : 50)
LOWER STRAKE SECTION - 25 THK

NOTES :

1. REFER TO 236-020-SAS-001 FOR ASSEMBLY DETAILS, 236-020-GEN-001 FOR GENERAL NOTES & 236-020-RPT-001
2. WELD LINES TO BE OFFSET AS PER STANDARDS
3. SURFACE TREATMENT AS PER GENERAL NOTES DWG 236-020-GEN-001
4. IF IN DOUBT, ASK

REV	DATE	REVISION HISTORY	DRN	CHK	ENG	PM
1	28/06/2023	LOAD CELL MOUNTS CHANGED	AZ	DH	DP	HV
0	20/04/2023	ISSUED FOR CONSTRUCTION	MS	DH	DP	HV

A1

DO NOT SCALE

ALL DIMENSIONS IN MILLIMETRES
DRAWING PRACTICE TO AS1800
IF IN DOUBT ASK

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 DEC PLACE +0.5
1 DEC PLACE +0.2
2 DEC PLACE +0.10
ALL ANGLES +0.5°

McMAHON

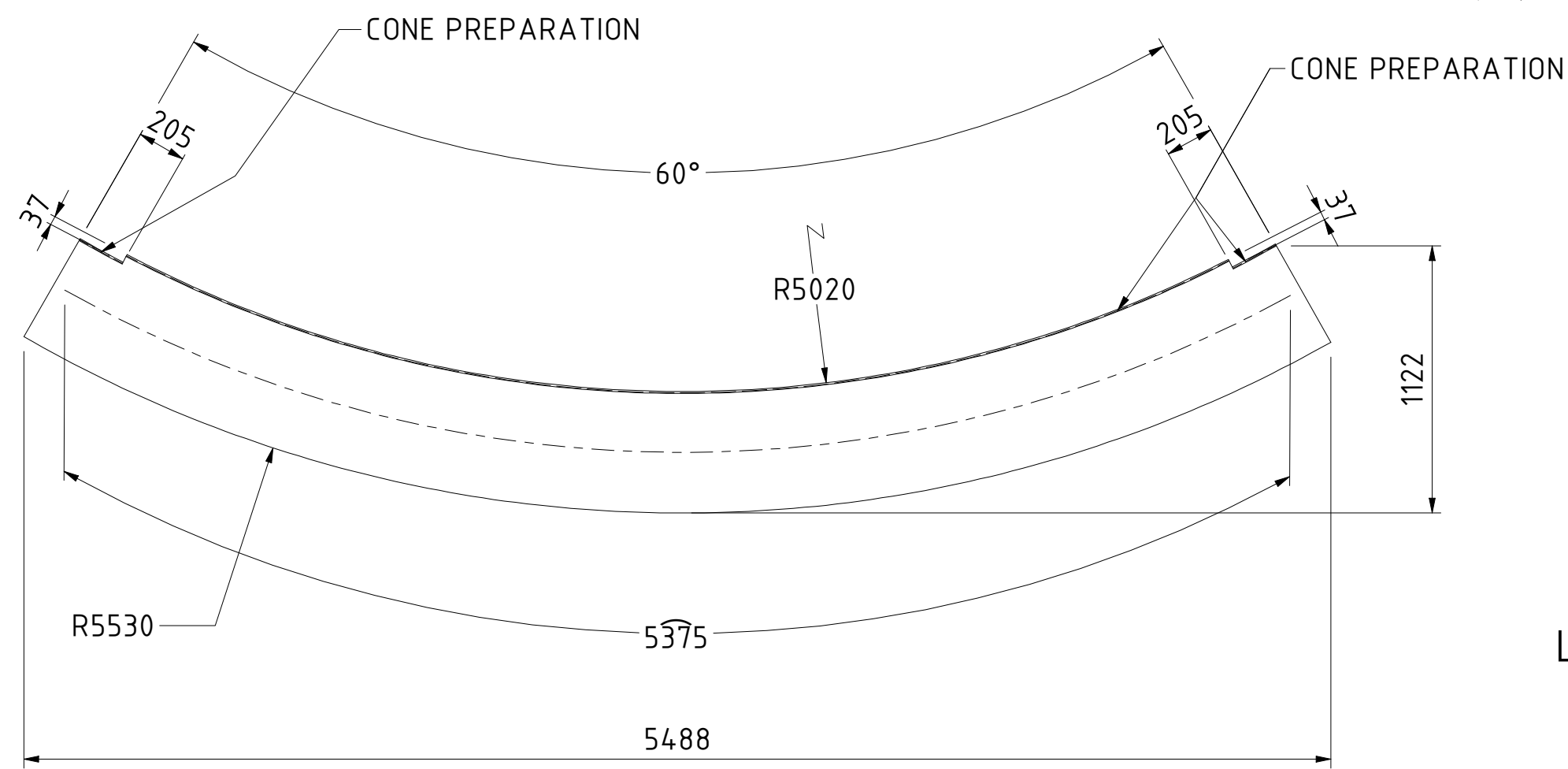
SERVICES

Customer : MCMAHON SERVICES/ABC
Reference : 236-020

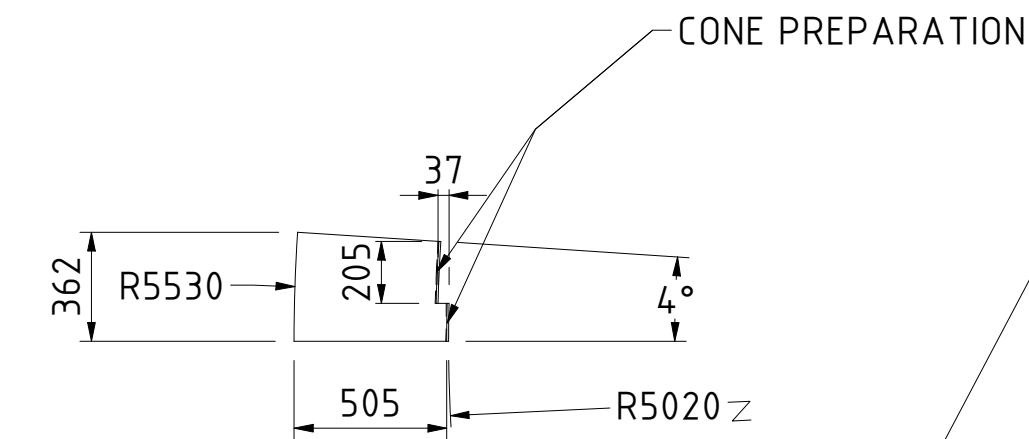
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Mile End, SA, 5031, www.ingenia.com.au

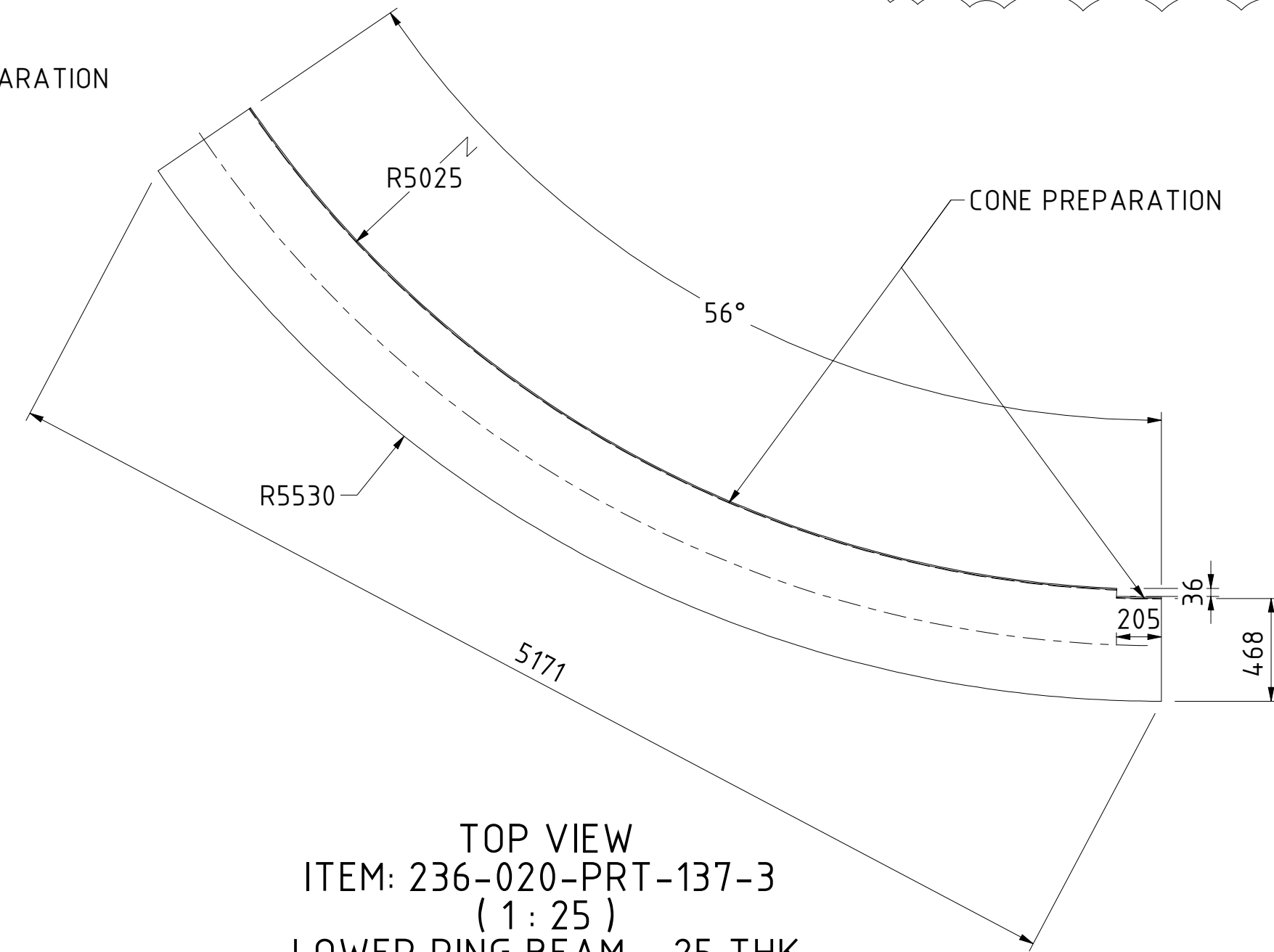
Status :	ISSUED FOR CONSTRUCTION				
Drawn : AZ	Date : 25/07/2022	A3 Scale = 1.5 x	A1 Sheet Scale =	1:50	
Description :	1000T RMS SILO SILO RING BEAM WELDMENT PART DETAILS 2				
Client Code	Job Number	Type	Drawing	Sheet	Revision
236	020	WAS	120	06	1



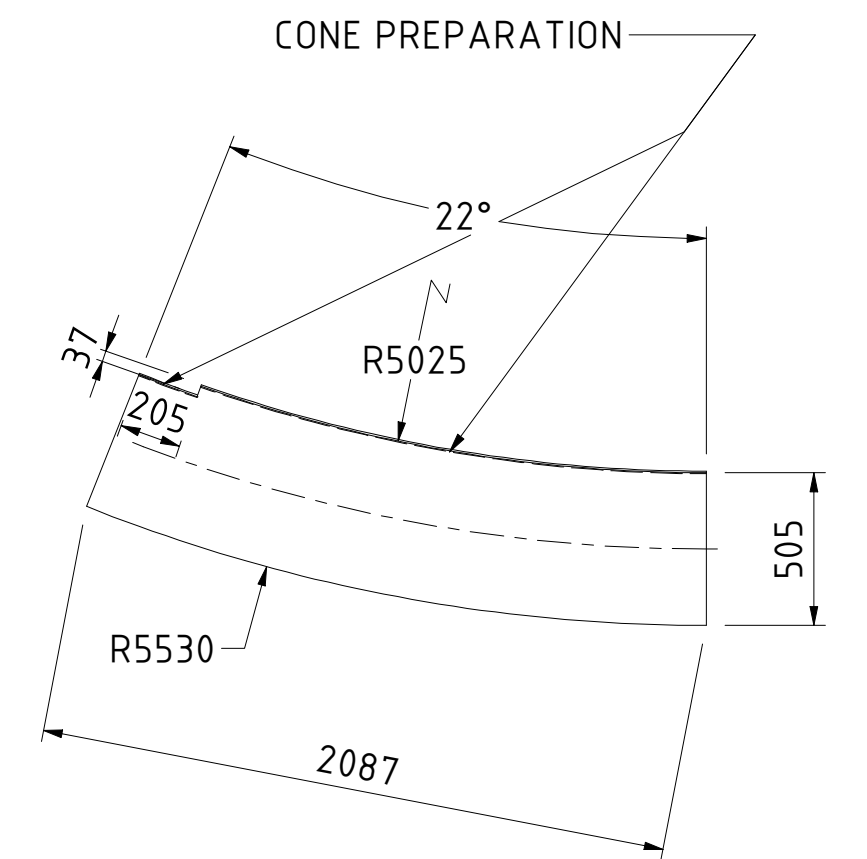
TOP VIEW
ITEM: 236-020-PRT-137-1
(1 : 25)
LOWER RING BEAM - 25 THK



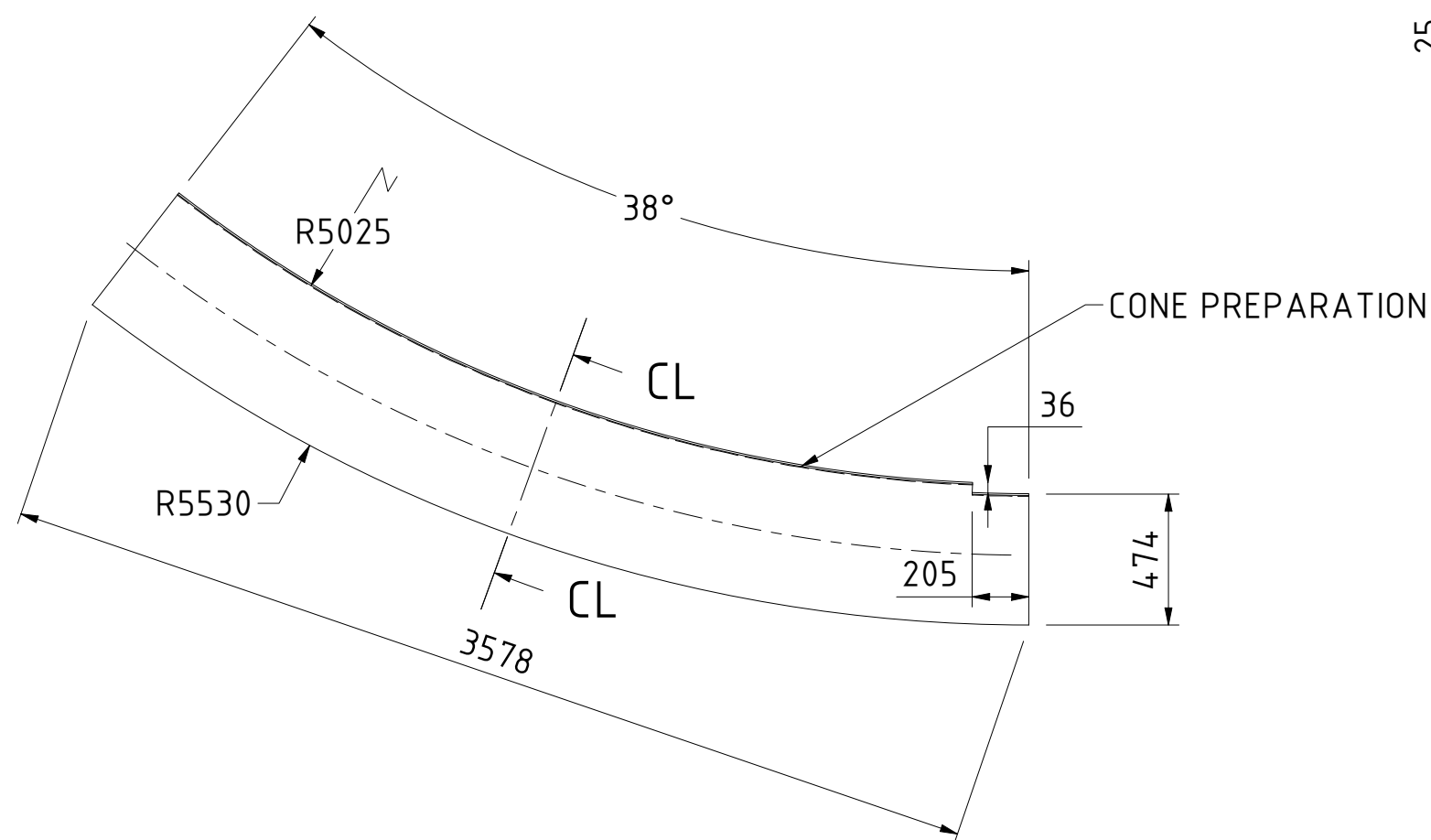
TOP VIEW
ITEM: 236-020-PRT-137-2
(1 : 25)
LOWER RING BEAM - 25 THK



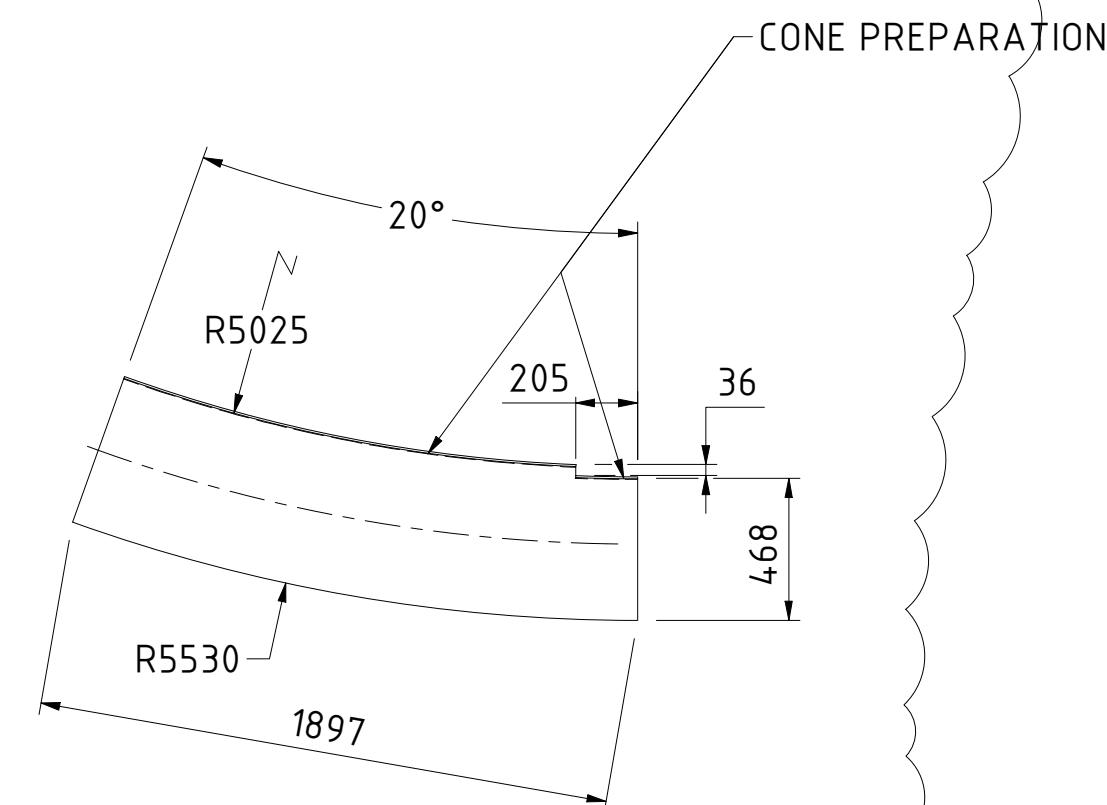
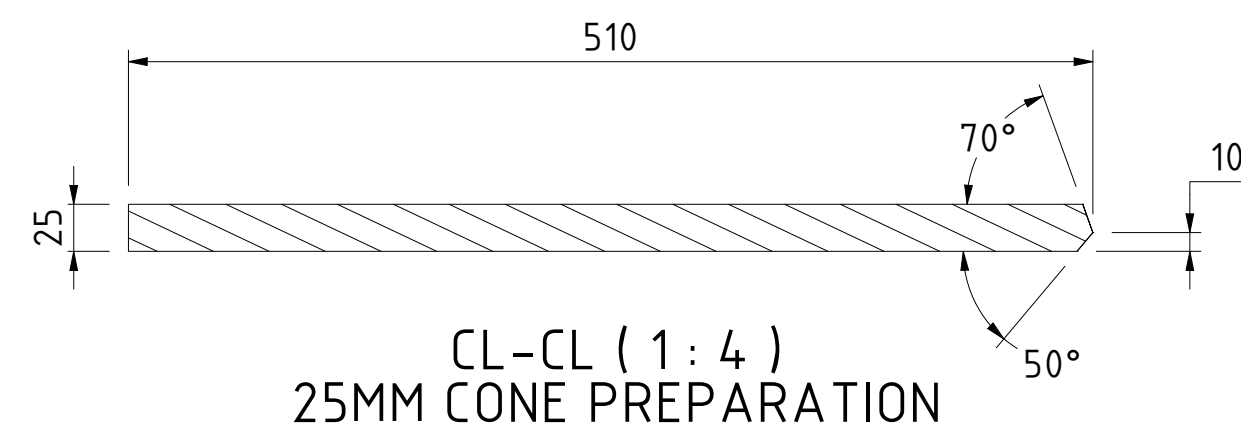
TOP VIEW
ITEM: 236-020-PRT-137-3
(1 : 25)
LOWER RING BEAM - 25 THK



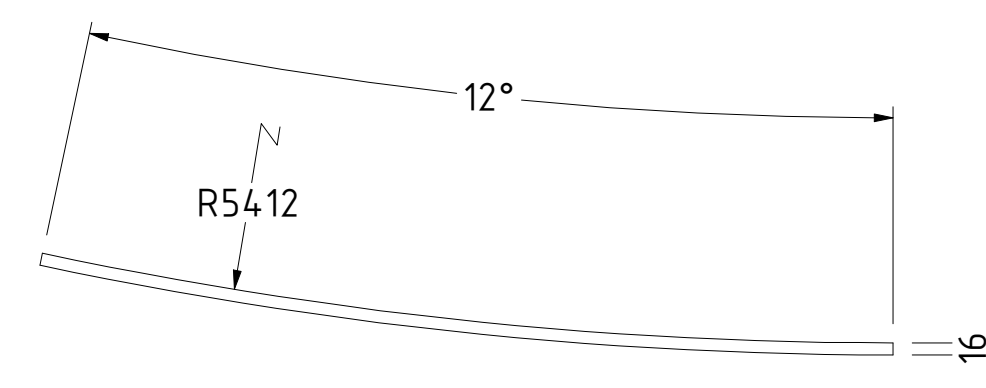
TOP VIEW
ITEM: 236-020-PRT-137-5
(1 : 25)
LOWER RING BEAM - 25 THK



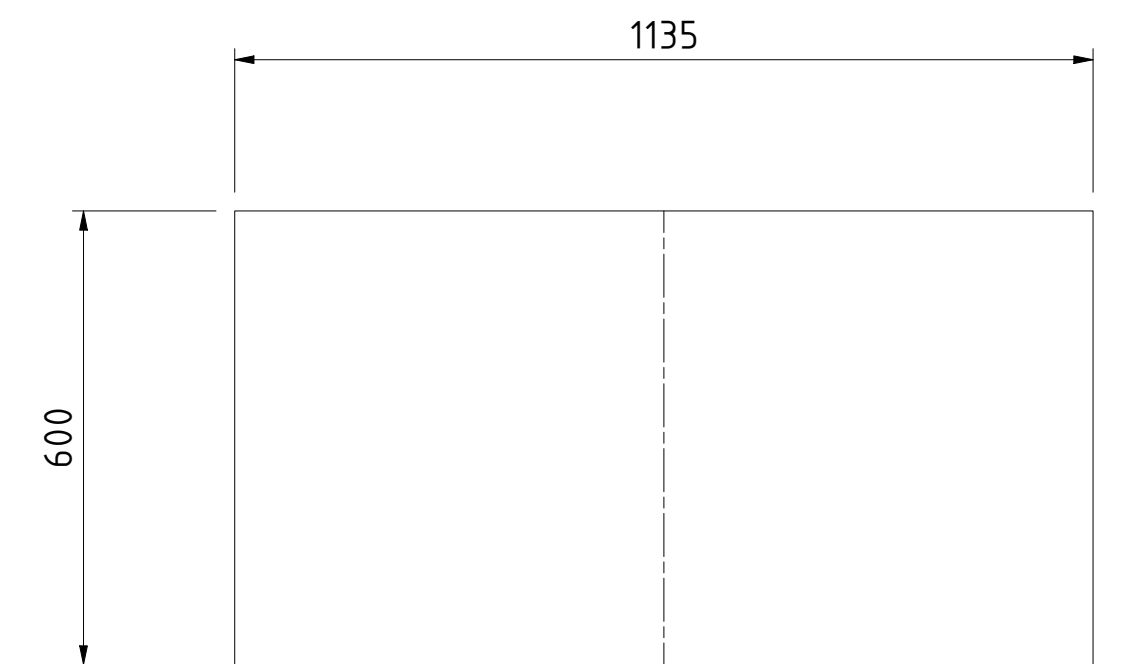
TOP VIEW
ITEM: 236-020-PRT-137-6
(1 : 25)
LOWER RING BEAM - 25 THK



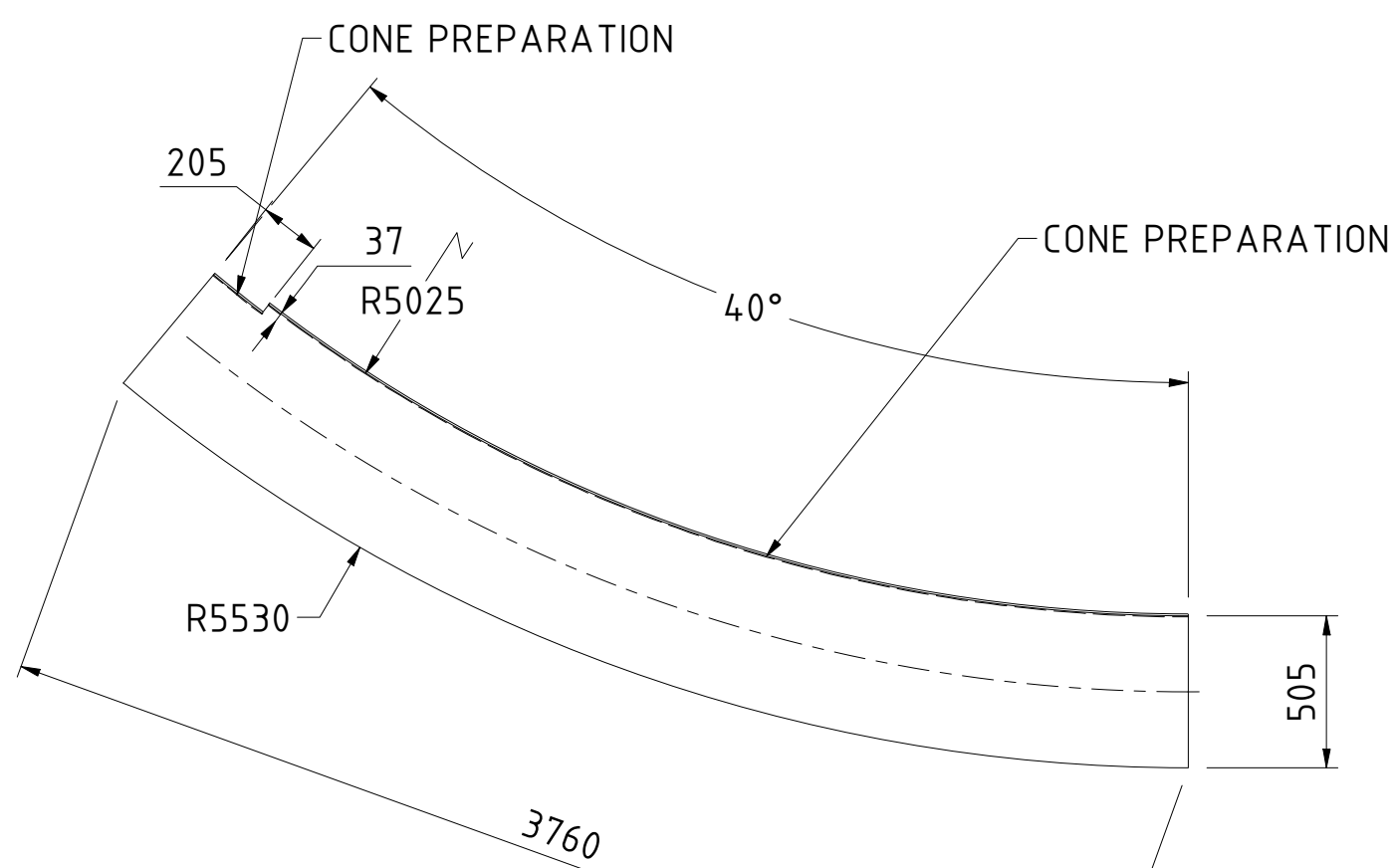
TOP VIEW
ITEM: 236-020-PRT-137-8
(1 : 25)
LOWER RING BEAM - 25 THK



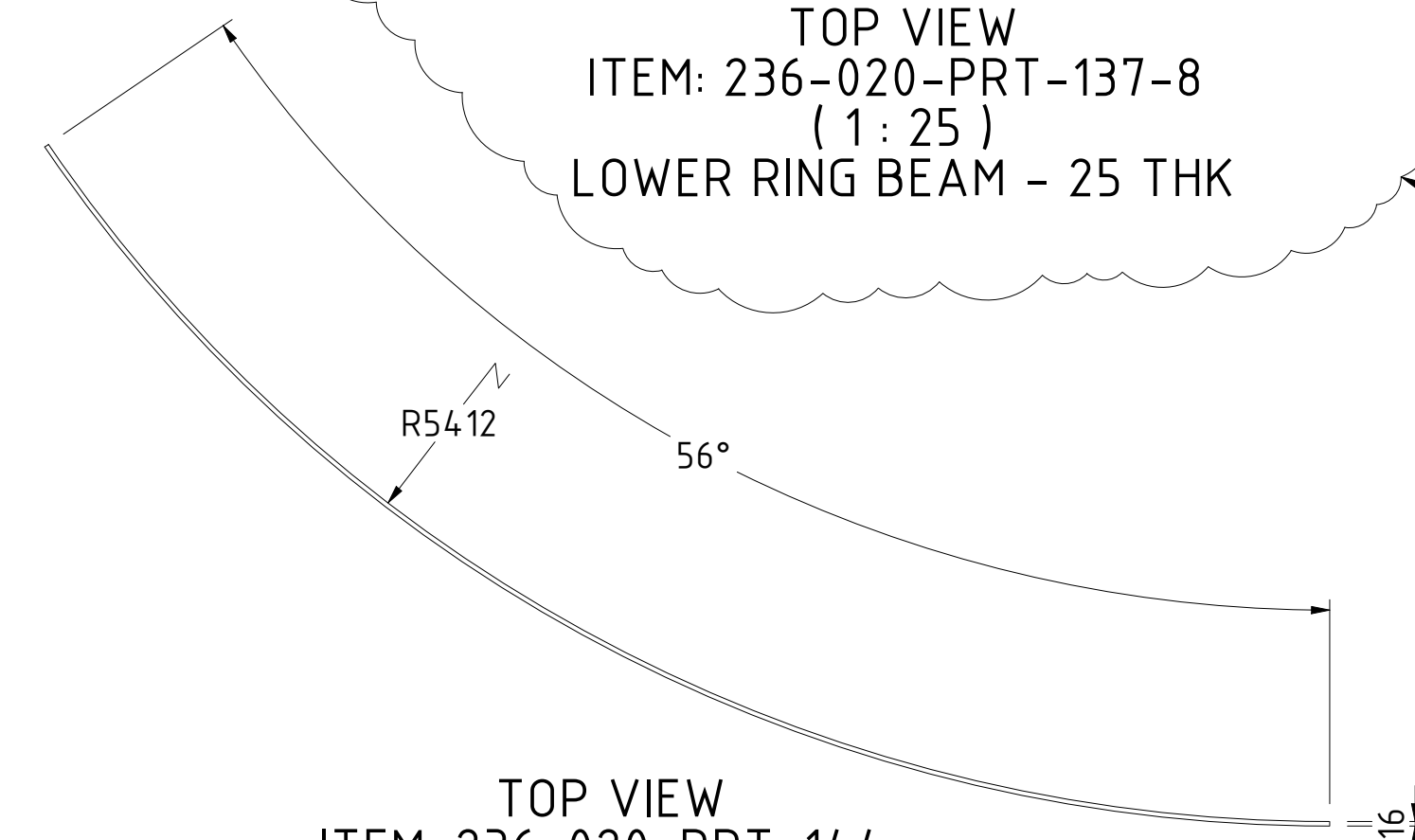
TOP VIEW
ITEM: 236-020-PRT-143
(1 : 10)
RING BEAM OUTER WEB - 16 THK



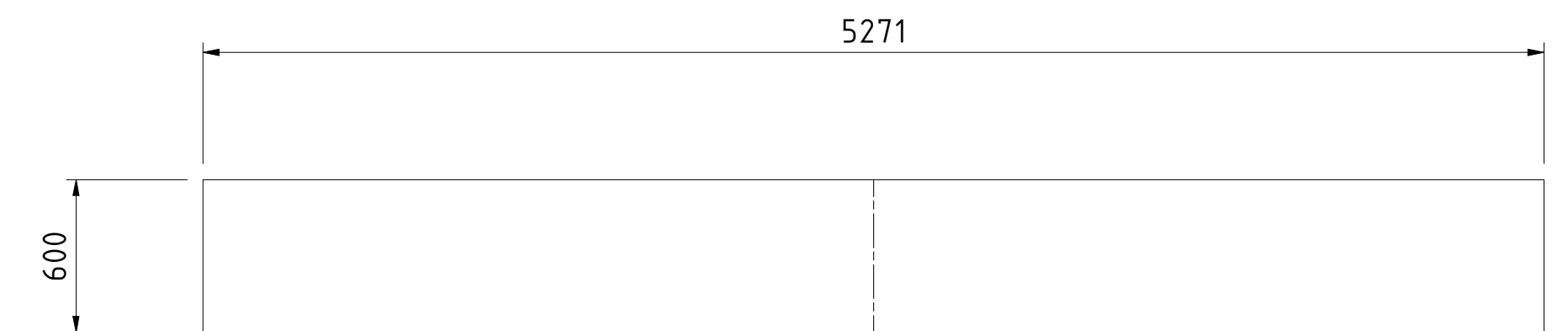
FLAT PATTERN
ITEM: 236-020-PRT-143
(1 : 10)
RING BEAM OUTER WEB - 16 THK



TOP VIEW
ITEM: 236-020-PRT-137-7
(1 : 25)
LOWER RING BEAM - 25 THK



TOP VIEW
ITEM: 236-020-PRT-144
(1 : 25)
RING BEAM OUTER WEB - 16 THK



FLAT PATTERN
ITEM: 236-020-PRT-144
(1 : 25)
RING BEAM OUTER WEB - 16 THK

NOTES :

1. REFER TO 236-020-SAS-001 FOR ASSEMBLY DETAILS, 236-020-GEN-001 FOR GENERAL NOTES & 236-020-RPT-001
2. WELD LINES TO BE OFFSET AS PER STANDARDS
3. SURFACE TREATMENT AS PER GENERAL NOTES DWG 236-020-GEN-001
4. IF IN DOUBT, ASK

REV	DATE	REVISION HISTORY	DRN	CHK	ENG	PM
1	28/06/2023	LOAD CELL MOUNTS CHANGED	AZ	DH	DP	HV
0	20/04/2023	ISSUED FOR CONSTRUCTION	MS	DH	DP	HV

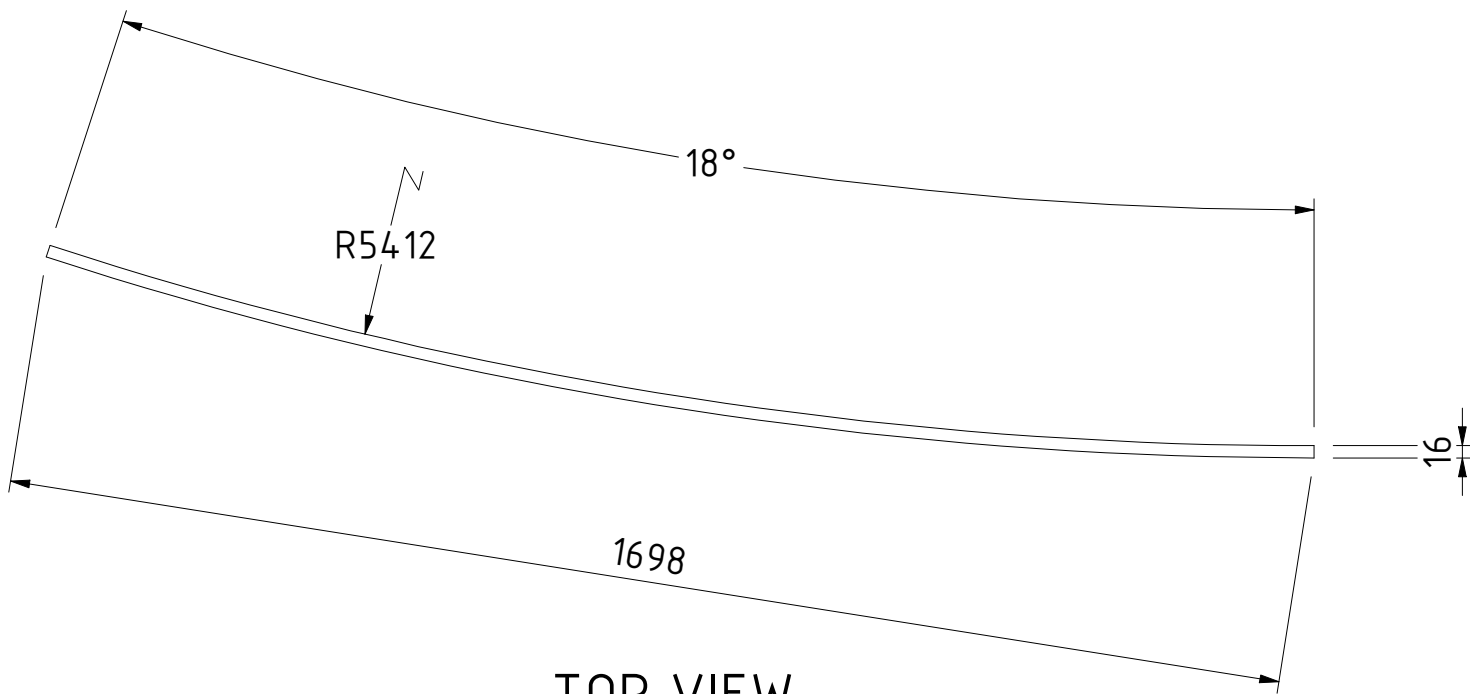
McMAHON SERVICES

Customer : MCMAHON SERVICES/ABC
Reference : 236-020

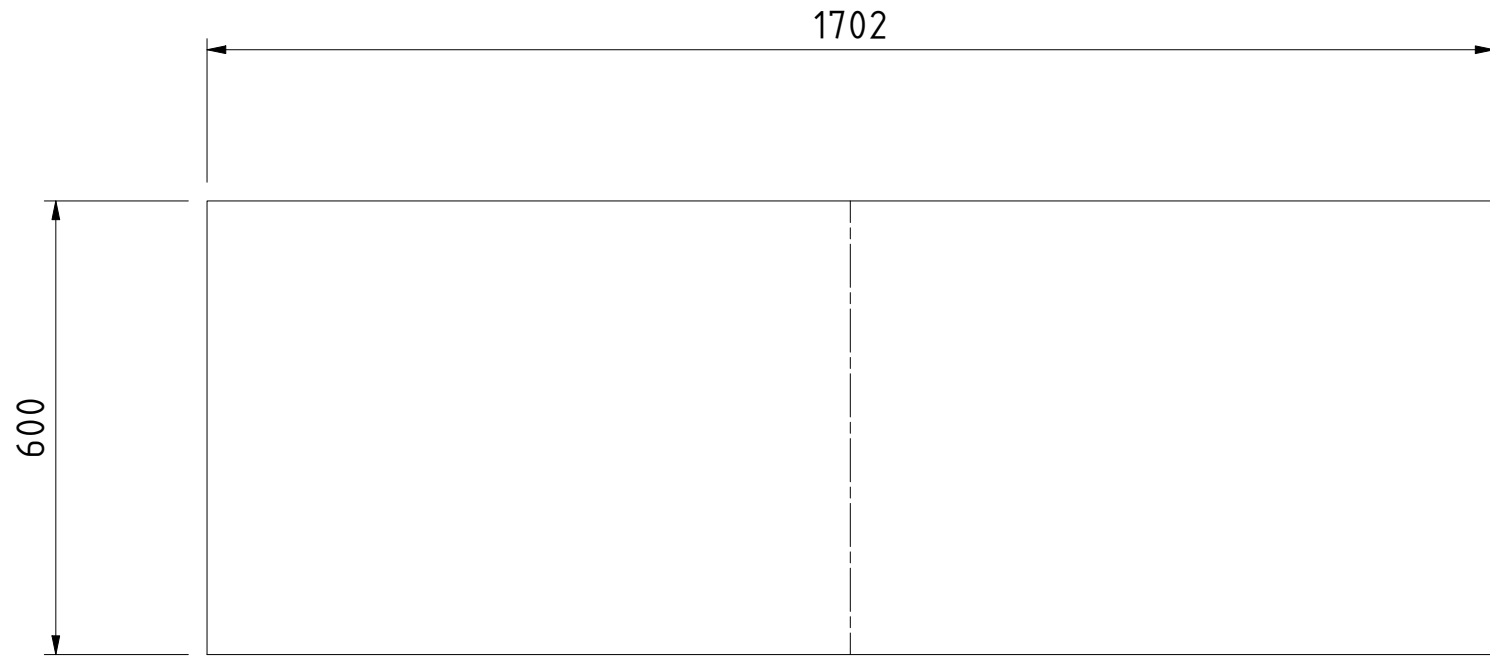
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101 Henley Beach Rd, Ph: +61 8 7221 9970
Mile End, SA, 5031, www.ingenia.com.au

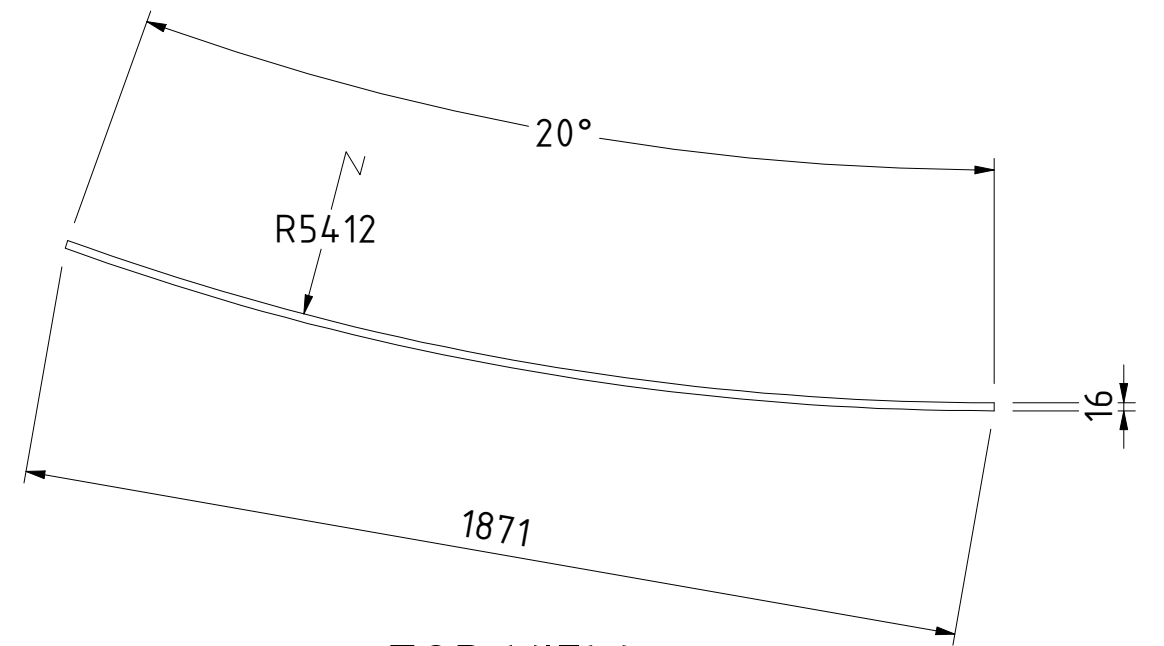
Status :	ISSUED FOR CONSTRUCTION				
Drawn : AZ	Date : 25/07/2022	A3 Scale = 1.5 x	A1 Sheet Scale =	1:50	
Description :	1000T RMS SILO SILO RING BEAM WELDMENT PART DETAILS 3				
Client Code	Job Number	Type	Drawing	Sheet	Revision
236	020	WAS	120	07	1



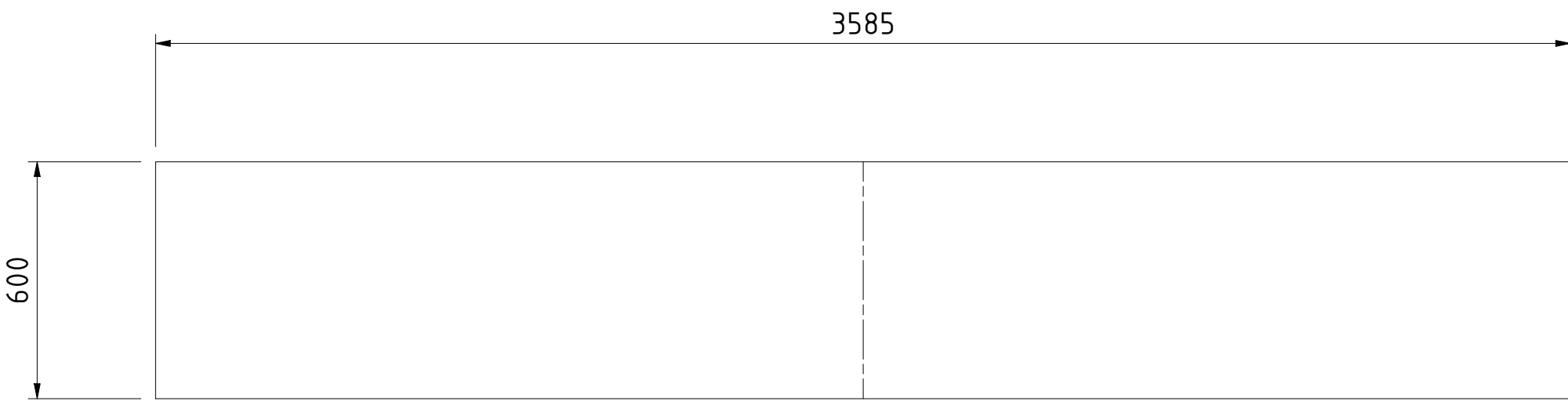
TOP VIEW
ITEM: 236-020-PRT-145
(1 : 10)
RING BEAM OUTER WEB - 16 THK



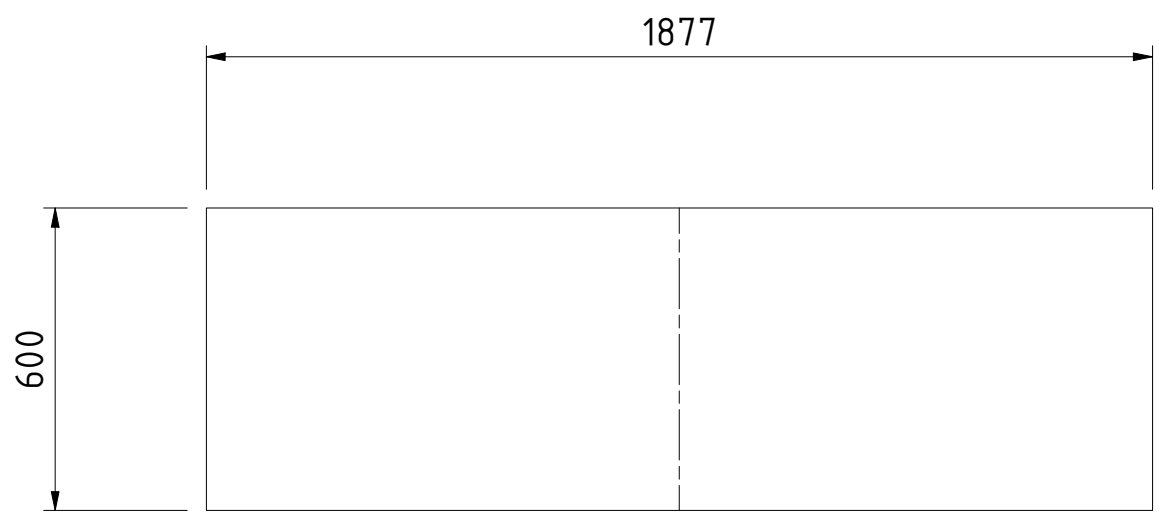
FLAT PATTERN
ITEM: 236-020-PRT-145
(1 : 10)
RING BEAM OUTER WEB - 16 THK



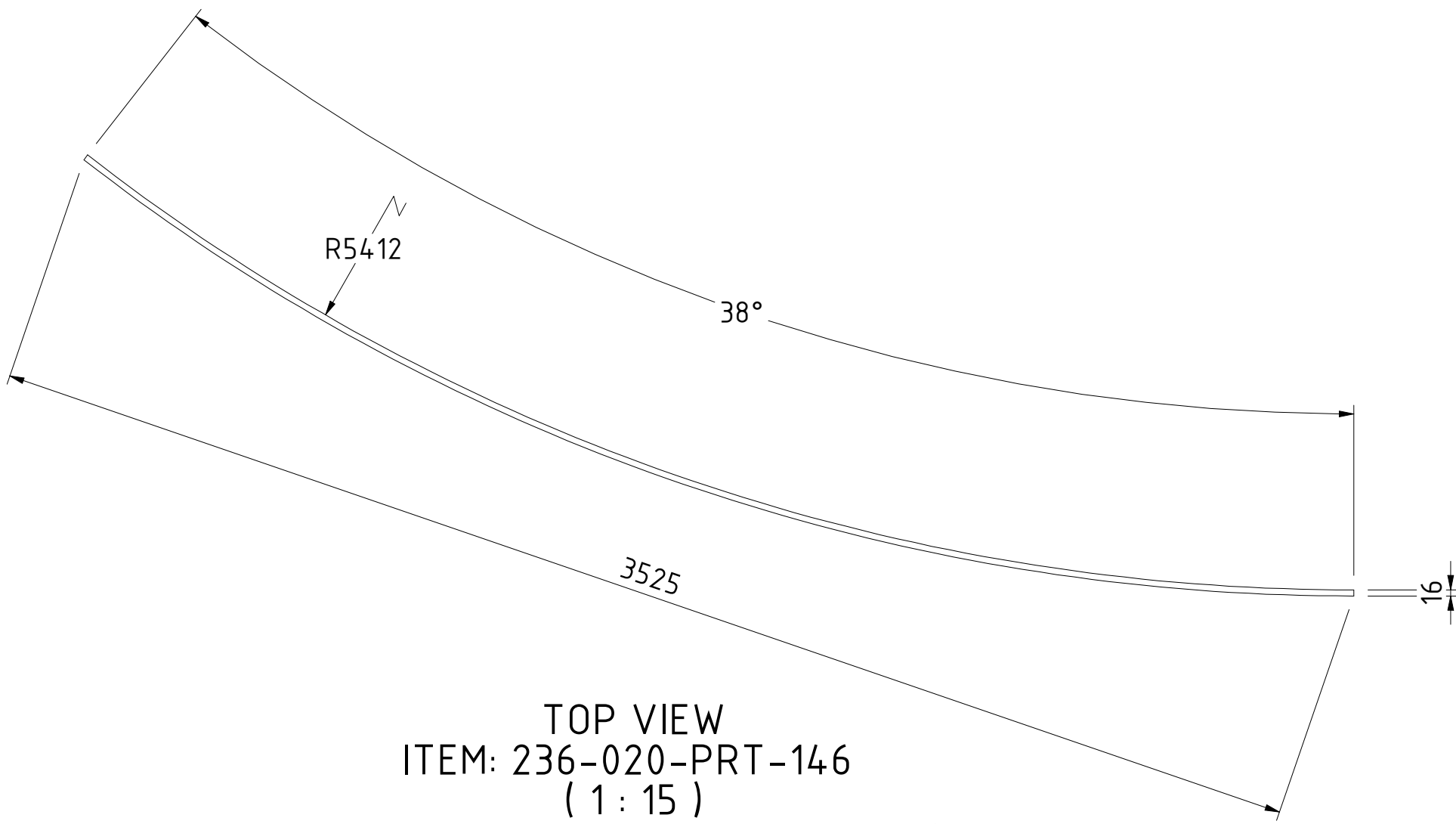
TOP VIEW
ITEM: 236-020-PRT-148
(1 : 15)



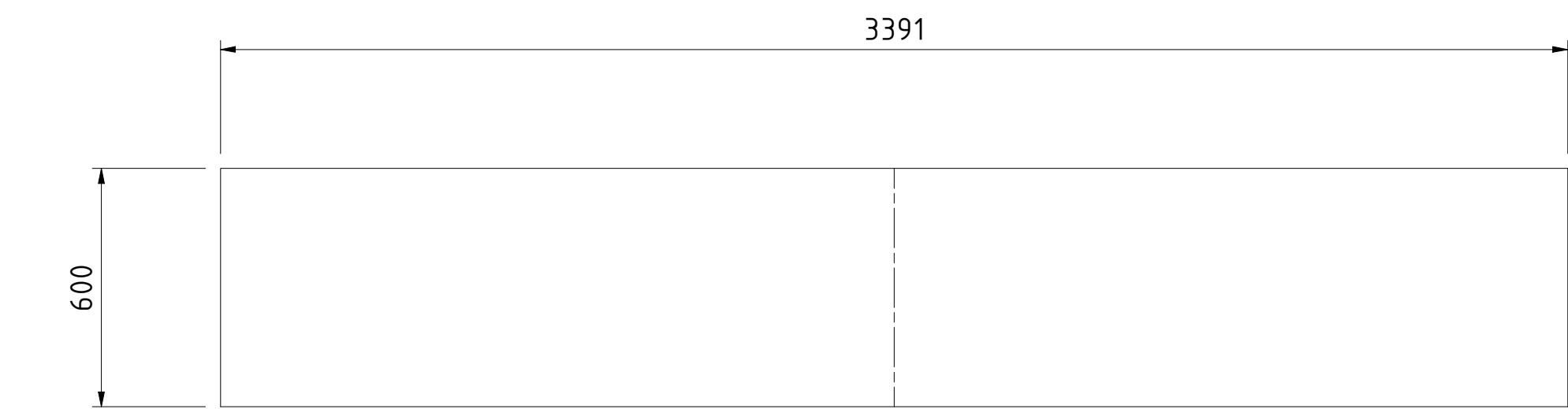
FLAT PATTERN
ITEM: 236-020-PRT-146
(1 : 15)
RING BEAM OUTER WEB - 16 THK



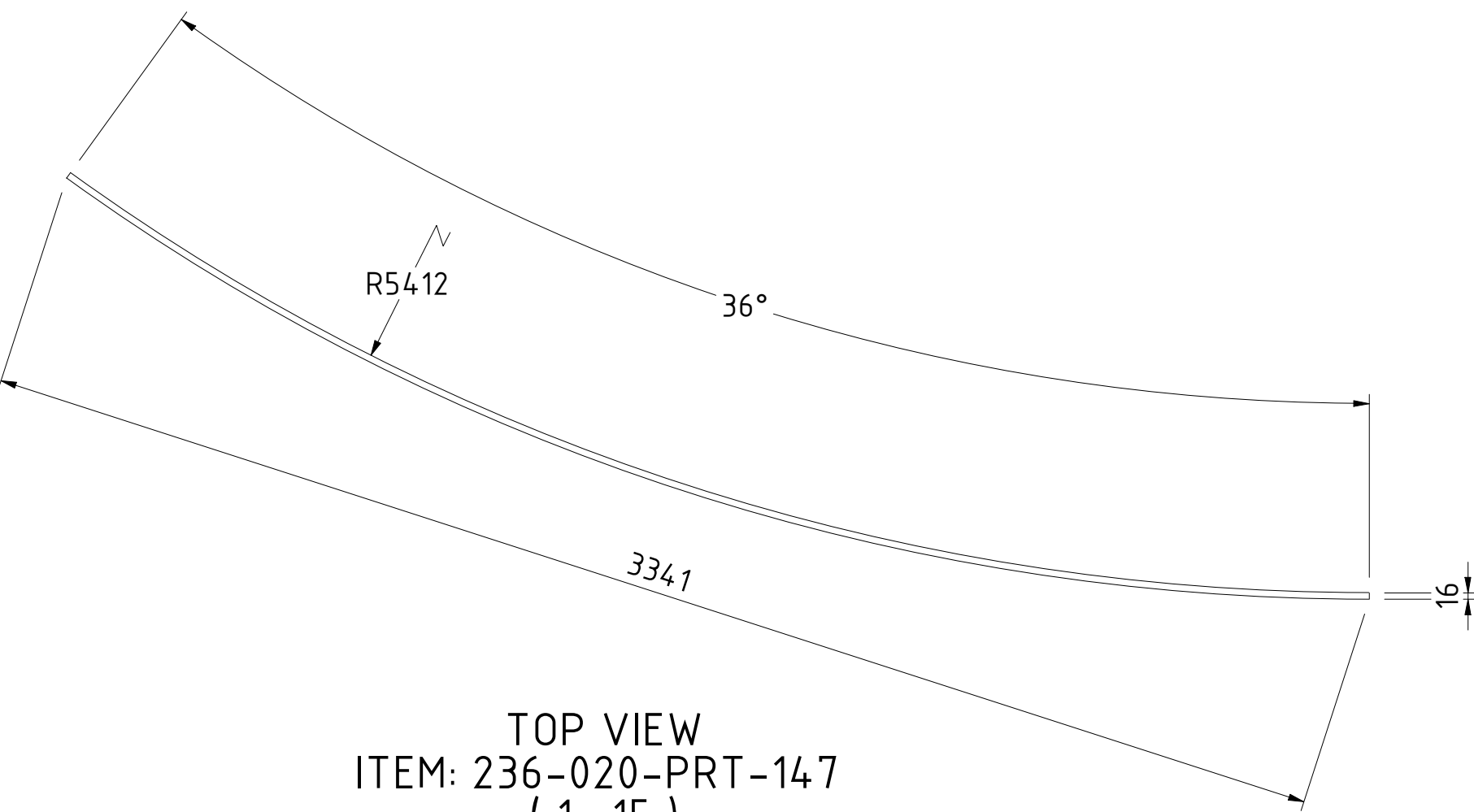
VIEW140
ITEM: 236-020-PRT-148
(1 : 15)



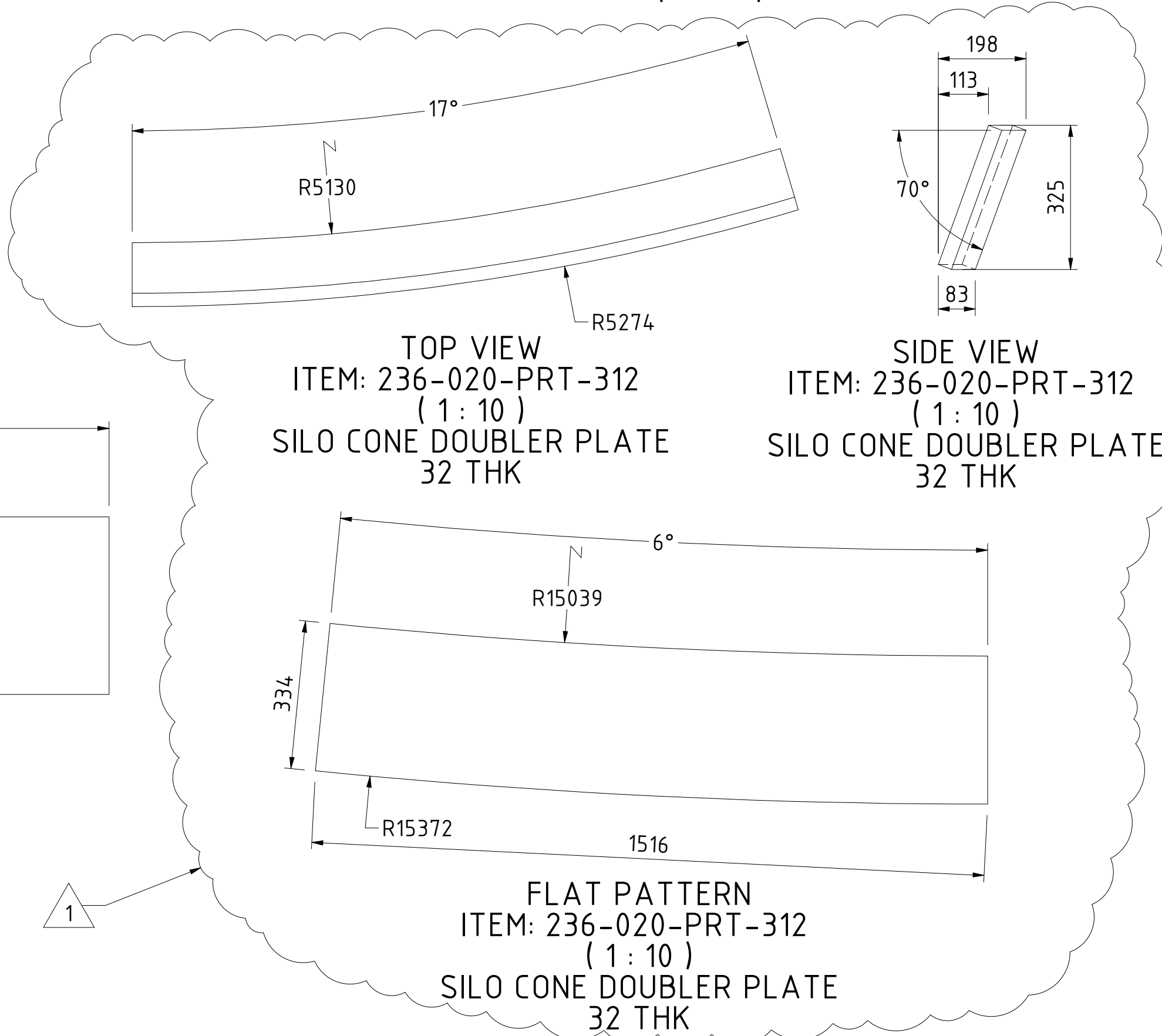
TOP VIEW
ITEM: 236-020-PRT-146
(1 : 15)
RING BEAM OUTER WEB - 16 THK



FLAT PATTERN
ITEM: 236-020-PRT-147
(1 : 15)
RING BEAM OUTER WEB - 16 THK



TOP VIEW
ITEM: 236-020-PRT-147
(1 : 15)
RING BEAM OUTER WEB - 16 THK



TOP VIEW
ITEM: 236-020-PRT-312
(1 : 10)
SILO CONE DOUBLER PLATE
32 THK

SIDE VIEW
ITEM: 236-020-PRT-312
(1 : 10)
SILO CONE DOUBLER PLATE
32 THK

FLAT PATTERN
ITEM: 236-020-PRT-312
(1 : 10)
SILO CONE DOUBLER PLATE
32 THK

NOTES :

1. REFER TO 236-020-SAS-001 FOR ASSEMBLY DETAILS, 236-020-GEN-001 FOR GENERAL NOTES & 236-020-RPT-001
2. WELD LINES TO BE OFFSET AS PER STANDARDS
3. SURFACE TREATMENT AS PER GENERAL NOTES DWG 236-020-GEN-001
4. IF IN DOUBT, ASK

REV	DATE	REVISION HISTORY	DRN	CHK	ENG	PM
1	28/06/2023	LOAD CELL MOUNTS CHANGED	AZ	DH	DP	HV
0	20/04/2023	ISSUED FOR CONSTRUCTION	AZ	MS	DH	HV

McMAHON SERVICES

Customer : MCMAHON SERVICES/ABC
Reference : 236-020

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Genius Consulting Pty Ltd, ABN 91 615 110 033
101 Henley Beach Rd, Ph: +61 8 7221 9970
Mile End, SA, 5031, www.ingenia.com.au

Status :	ISSUED FOR CONSTRUCTION				
Drawn : AZ	Date : 25/07/2022	A3 Scale = 1.5 x	A1 Sheet Scale =	1:50	
Description :	1000T RMS SILO SILO RING BEAM WELDMENT PART DETAILS 4				
Client Code	Job Number	Type	Drawing	Sheet	Revision
236	020	WAS	120	08	1