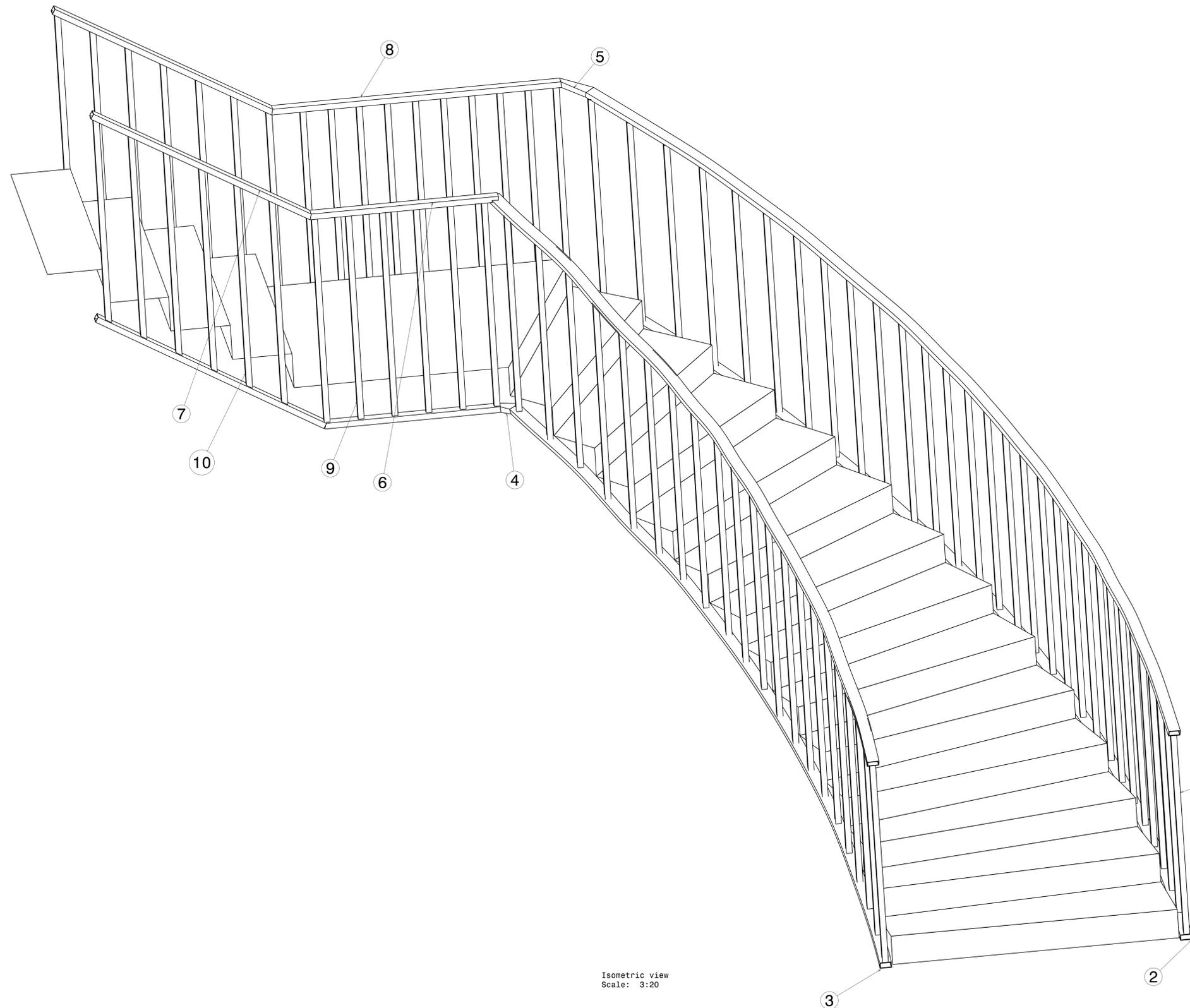


REV	DATE	DESCRIPTION
00	24MAY2020	INITIAL REVISION

NOTES:

- (⊥) ALL VERTICAL SUPPORTS ARE PERPENDICULAR.
- FLATNESS OF .5MM IS APPLIED BY DEFAULT.
- ⊲ WELD BEAD OF 2MM RADIUS IS FOLLOWED.
- ▽ SURFACE FINISH MEDIUM TO SMOOTH IS USED.
- ALL TUBES ARE AS PER APL APOLLO STANDARD. CHANGES MAY EFFECT THE LOAD CAPACITY.
- ALL HORIZONTAL AND VERTICAL TUBES ARE PERPENDICULAR TO EACH OTHER WITH ±1 DEG.
- FINE WELDING IS REQUIRED AS PER MENTIONED DETAILS AND FINISHING.
- HIGHER CURRENT WELDING MAY AFFECT THE BRITTLENESS OF MATERIAL WHICH LATER MAY RAISE TO WEAKENING OF STRUCTURE.
- FABRICATORS ARE ALLOWED TO USE FITTINGS/FRAMES/SUPPORTS AS NEEDED AND THE SAME MUST BE COMMUNICATED BACK TO ENGINEERING TEAM.
- LENGTH OF ALL LONGITUDINAL FRAMES ARE FOR REFERENCE ONLY AND SUBJECTED TO CHANGE PER REQUIREMENT.

SPECIAL NOTES: ITEM 4 & 5 ARE TO BE DECIDED BY FABRICATORS BASED ON CONSTRUCTIONAL DIMENSION DATA.



Isometric view  
Scale: 3:20

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	Wt (Kg)/Each
10	SQ 133 Frame 3	25 X 25 X 1.6 X 920	12	1.2
9	SQ 133 Frame 2	25 X 25 X 1.6 X 914.4	16	1.1
8	Rect Tube 133-4	25 X 50 X 2.6 X 1226	1	4
7	Rect Tube 133-3	25 X 50 X 2.6 X 1055	2	3
6	Rect Tube 133-2	25 X 50 X 2.6 X 751	2	3
5	RECT JOINING SECTION 2	25 X 50 X 2.6 X AS REQUIRED	2	0.7
4	RECT JOINING SECTION 1	25 X 50 X 2.6 X AS REQUIRED	2	0.5
3	Rect Tube 133-CURVED 2	25 X 50 X 2.6 X AS REQUIRED	2	8
2	Rect Tube 133-CURVED 1	25 X 50 X 2.6 X AS REQUIRED	2	14.5
1	SQ Tube 131 Frame 1	25 X 25 X 1.6 X 914.4	50	1.1

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**APL APOLLO TUBES LTD.** 

DRAWING TITLE: **HANDRAIL 133**

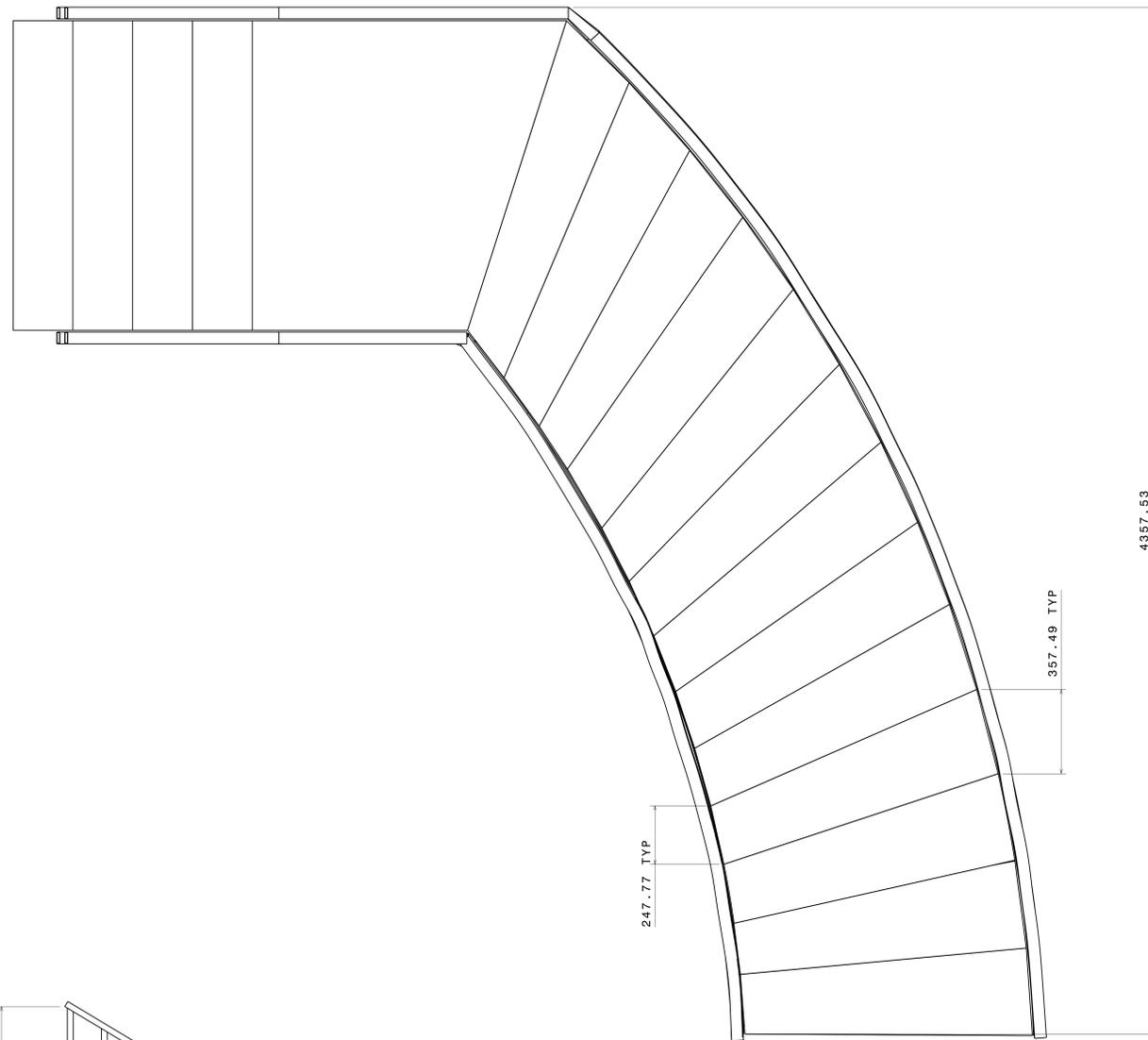
DESIGNED BY	P2P Analysis & Solutions	DATE	24MAY2020
CHECKED BY	P2P Analysis & Solutions	DATE	24MAY2020
DRAWN BY	SB	DATE	24MAY2020

SIZE	A0	DRAWING NUMBER	P2P HANDRAIL 133	REV	00
SCALE	As Indicated	WEIGHT (kg)	0kg	SHEET 1 OF 5	

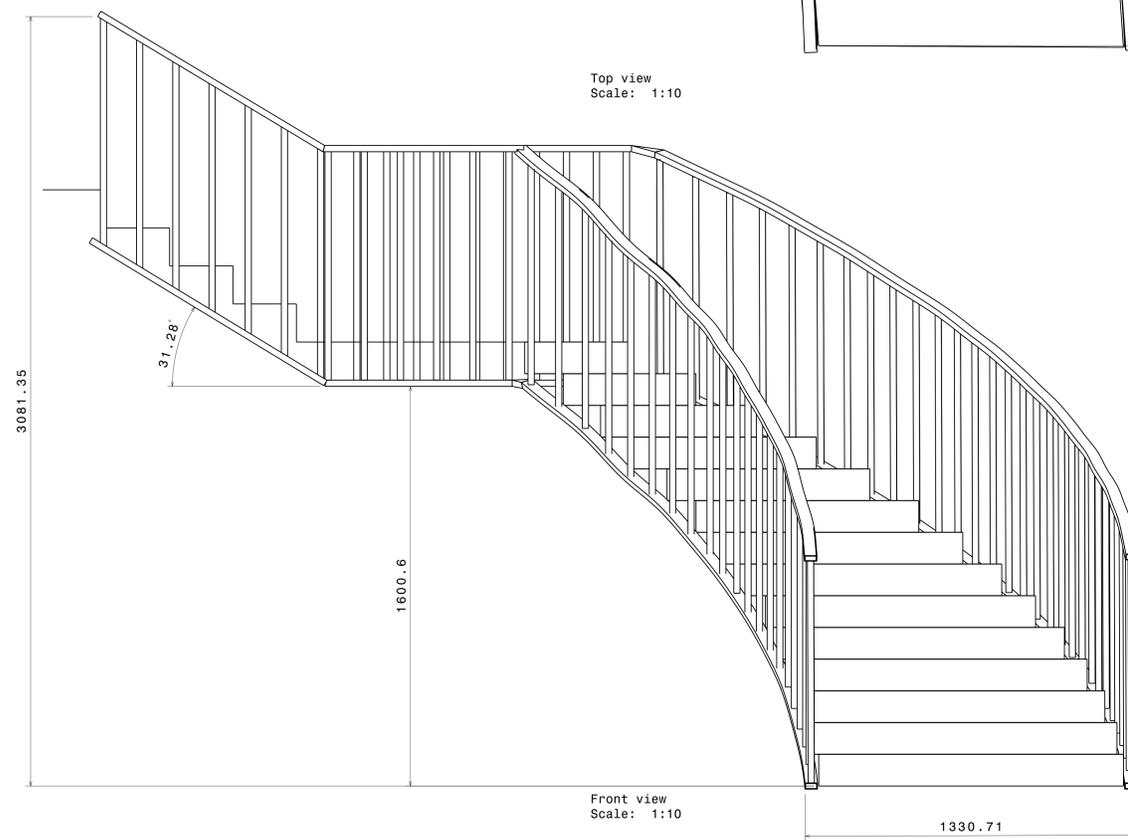
UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN MM  
VIEWS: THIRD ANGLE PROJECTION



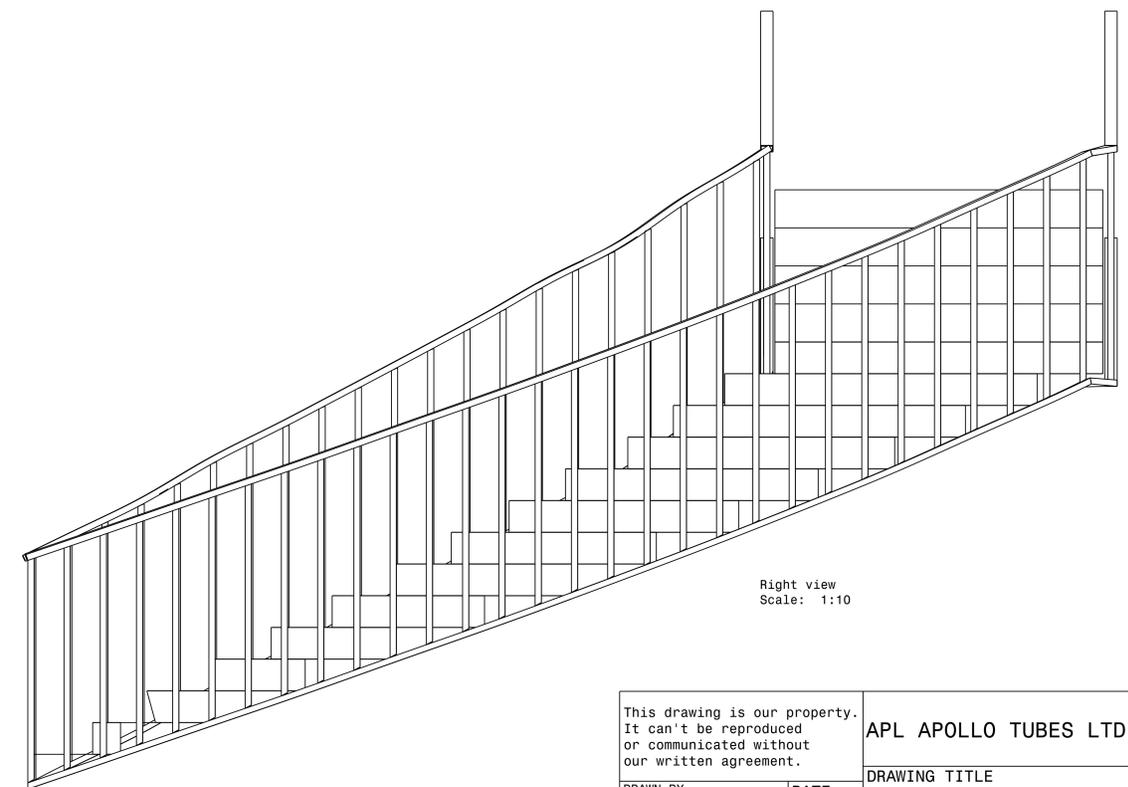
REV	DATE	DESCRIPTION
00	24MAY2020	INITIAL REVISION



Top view  
Scale: 1:10



Front view  
Scale: 1:10



Right view  
Scale: 1:10

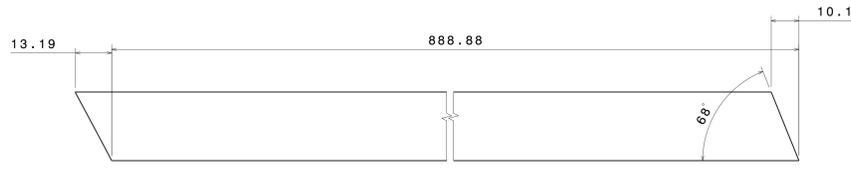
UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN MM  
VIEWS: THIRD ANGLE PROJECTION

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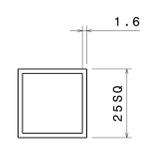
DRAWN BY	DATE
SB	24MAY2020
CHECKED BY	DATE
P2P Analysis & Solutions	24MAY2020
DESIGNED BY	DATE
P2P Analysis & Solutions	24MAY2020

APL APOLLO TUBES LTD.		DRAWING TITLE	
		HANDRAIL 133	
SIZE	DRAWING NUMBER	REV	
A0	P2P HANDRAIL 133	00	
SCALE	NONE	WEIGHT (kg)	XXX
			SHEET 2 OF 5

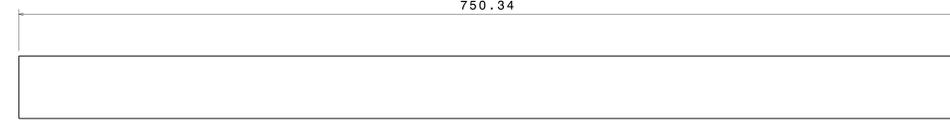
REV	DATE	DESCRIPTION
00	24MAY2020	INITIAL REVISION



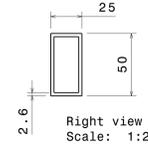
ITEM 1



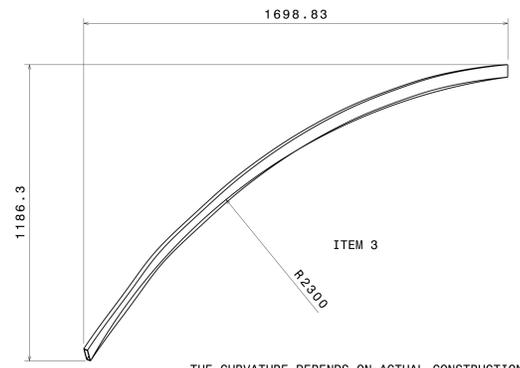
Right view  
Scale: 11:10



ITEM 6

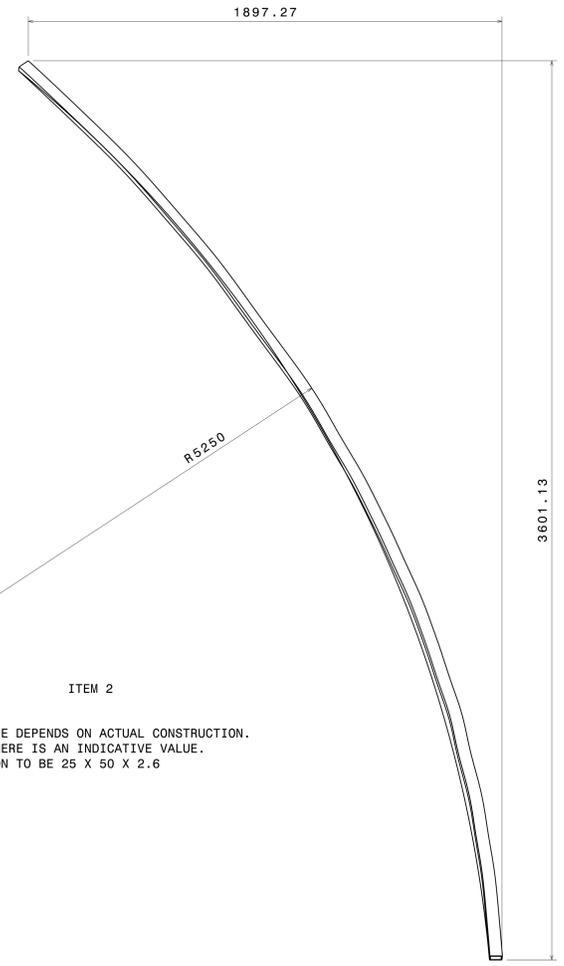


Right view  
Scale: 1:2



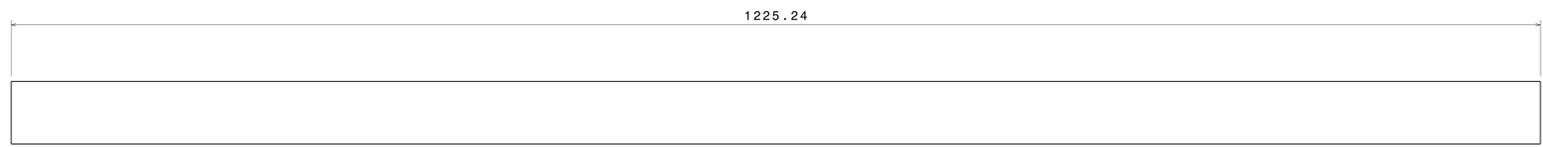
ITEM 3

THE CURVATURE DEPENDS ON ACTUAL CONSTRUCTION.  
THE RADIUS HERE IS AN INDICATIVE VALUE.  
CROSS SECTION TO BE 25 X 50 X 2.6

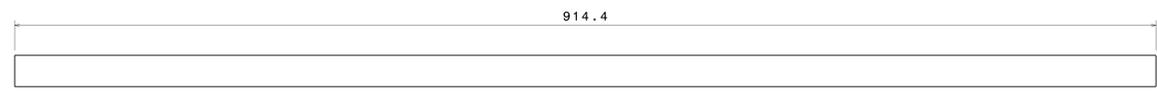


ITEM 2

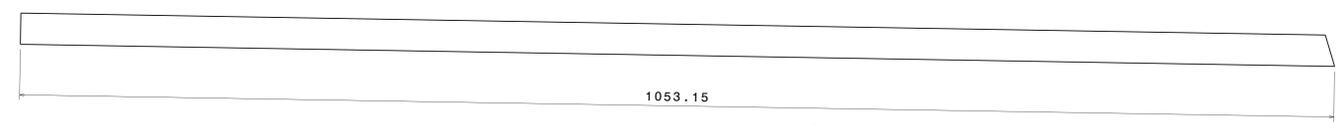
THE CURVATURE DEPENDS ON ACTUAL CONSTRUCTION.  
THE RADIUS HERE IS AN INDICATIVE VALUE.  
CROSS SECTION TO BE 25 X 50 X 2.6



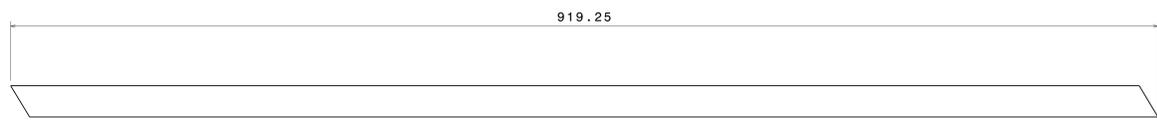
ITEM 8



ITEM 9, CROSS SECTION 25 SQ X 1.6

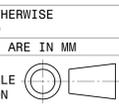


ITEM 7  
RECR CROSS SECTION: 25 X 50 X 2.6



ITEM 10, 25SQX1.6 THK

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN MM  
VIEWS: THIRD ANGLE PROJECTION



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DRAWN BY SB		DATE 24MAY2020	
CHECKED BY P2P Analysis & Solutions		DATE 24MAY2020	
DESIGNED BY P2P Analysis & Solutions		DATE 24MAY2020	
DRAWING TITLE HANDRAIL 133		SIZE A0	DRAWING NUMBER P2P HANDRAIL 133
SCALE NONE		WEIGHT (kg) XXX	REV 00
		SHEET 3 OF 5	