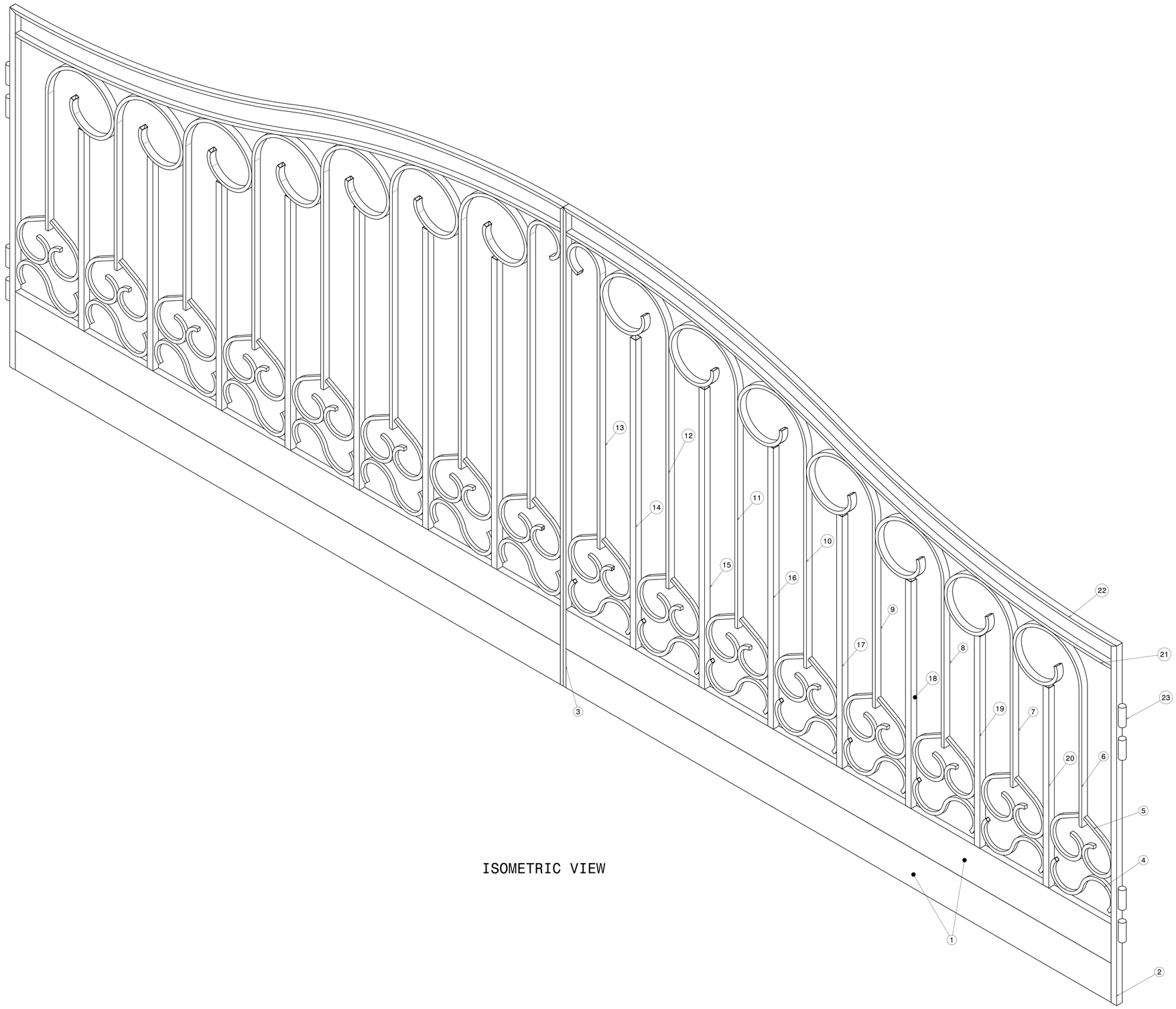
REV	DATE	DESCRIPTION
00	21MAR2020	INITIAL REVISION

NOTES:

1. (⊥) ALL VERTICAL SUPPORTS ARE PERPENDICULAR.
2. ▱ FLATNESS OF .5MM IS APPLIED BY DEFAULT.
3. ◺ WELD BEAD OF 2MM RADIUS IS FOLLOWED.
4. ▽▽ SURFACE FINISH MEDIUM TO SMOOTH IS USED.
5. ALL TUBES ARE AS PER APL APOLLO STANDARD. CHANGES MAY EFFECT THE LOAD CAPACITY.
6. ALL HORIZONTAL AND VERTICAL TUBES ARE PERPENDICULAR TO EACH OTHER WITH ±1 DEG.
7. FINE WELDNG IS REQUIRED AS PER MENTIONED DETAILS AND FINISHING.
8. HIGHER CURRENT WELDING MAY AFFECT THE BRITTLENESS OF MATERIAL WHICH LATER MAY RAISE TO WEAKENING OF STRUCTURE.
9. ITEM 1, RECTANGUALR TUBE TO BE SPLIT AT 70MM SIDE AND USED BOTH THE PIECES ON EACH SIDE OF GATE. MORE DETAILS ARE GIVEN ON PAGE 3, ITEM DETAILS.



ISOMETRIC VIEW

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
23	HINGE		8
22	RectangleTube 28 Frame Curved 12	SEE DETAILS	2
21	RectangleTube 28 Frame Curved 11	SEE DETAILS	2
20	Square Tube 28 Frame 8	49.5 X 49.5 X 2.6 X 1531.5	2
19	Square Tube 28 Frame 7	49.5 X 49.5 X 2.6 X 1622.5	2
18	Square Tube 28 Frame 6	49.5 X 49.5 X 2.6 X 1737.5	2
17	Square Tube 28 Frame 5	49.5 X 49.5 X 2.6 X 1932.5	2
16	Square Tube 28 Frame 4	49.5 X 49.5 X 2.6 X 2152.5	2
15	Square Tube 28 Frame 3	49.5 X 49.5 X 2.6 X 2217.5	2
14	Square Tube 28 Frame 2	49.5 X 49.5 X 2.6 X 2372.5	2
13	Square Tube 28 Frame Curved 10	25 X 25 X 1.6 X SEE DETAILS	2
12	Square Tube 28 Frame Curved 9	25 X 25 X 1.6 X SEE DETAILS	2
11	Square Tube 28 Frame Curved 8	25 X 25 X 1.6 X SEE DETAILS	2
10	Square Tube 28 Frame Curved 7	25 X 25 X 1.6 X SEE DETAILS	2
9	Square Tube 28 Frame Curved 6	25 X 25 X 1.6 X SEE DETAILS	2
8	Square Tube 28 Frame Curved 5	25 X 25 X 1.6 X SEE DETAILS	2
7	Square Tube 28 Frame Curved 4	25 X 25 X 1.6 X SEE DETAILS	2
6	Square Tube 28 Frame Curved 3	25 X 25 X 1.6 X SEE DETAILS	2
5	Square Tube 28 Frame Curved 2	25 X 25 X 1.6 X SEE DETAILS	32
4	Square Tube 28 Frame Curved 1	25 X 25 X 1.6 X SEE DETAILS	16
3	Rectangle Tube 28 Frame 1	25 X 50 X 2 X 3673.4	2
2	Square Tube 28 Frame 1	49.5 X 49.5 X 2.6 X 2759	2
1	Rectangle Tube 28 Frame 1	200 X 300 X 4 X 4827	2 (REF NOTE 9)

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APL APOLLO TUBES LTD.

DRAWING TITLE: GATE 28

DRAWN BY: SB	DATE: 21MAR2020		
CHECKED BY: P2P Analysis & Solutions	DATE: 21MAR2020	SIZE: A0	DRAWING NUMBER: P2P_GATE-00028
DESIGNED BY: P2P Analysis & Solutions	DATE: 21MAR2020	SCALE: As Indicated	WEIGHT(kg) 600kg

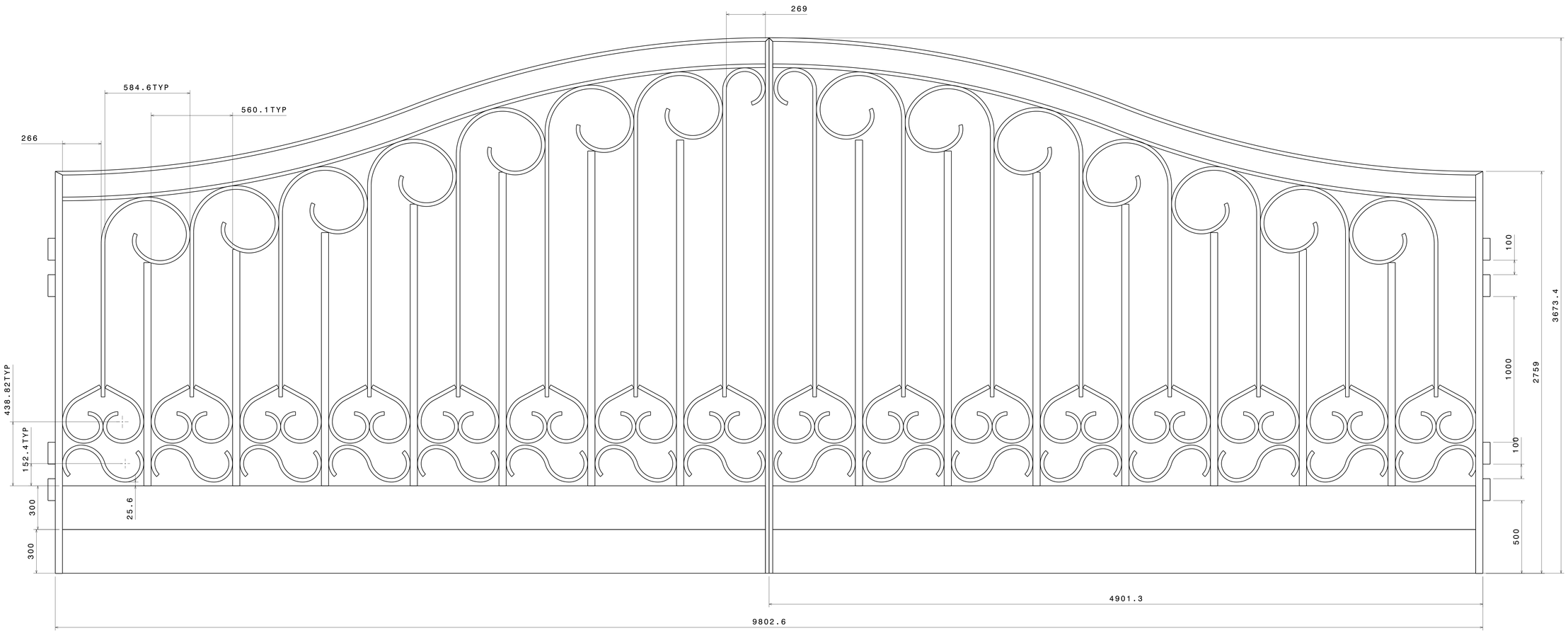
REV: 00

SHEET 1 OF 5

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

REV	DATE	DESCRIPTION
00	21MAR2020	INITIAL REVISION

Top view
Scale: 19:200



Front view
Scale: 19:200

Right view
Scale: 19:200

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

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DRAWN BY	SB	DATE 21MAR2020
CHECKED BY	P2P Analysis & Solutions	DATE 21MAR2020
DESIGNED BY	P2P Analysis & Solutions	DATE 21MAR2020

APL APOLLO TUBES LTD.

DRAWING TITLE: GATE 28

SIZE	DRAWING NUMBER	REV
A0	P2P_GATE-00028	00

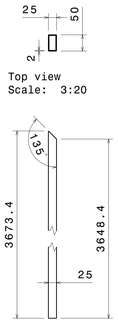
SCALE NONE | WEIGHT(kg) XXX | SHEET 2 OF 5

REV	DATE	DESCRIPTION
00	21MAR2020	INITIAL REVISION

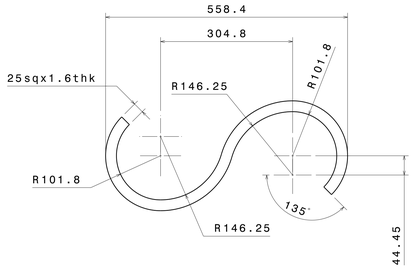
ITEM 1

ITEM 1

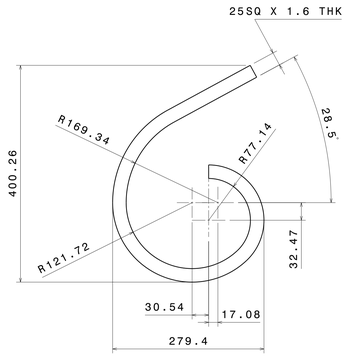
ITEM 1, TAKE A RECTANGUALR HOLLOW SECTION OF 200 X 300 X 4 X 4827 AND SPLIT AT 50MM ON THE 200 MM SIDE AND USED BOTH THE PIECES ON EACH SIDE OF GATE. THERE ARE 2 PIECES LIKE SHOWN HERE WHICH TO BE USED FOR GATE AND REMAIN TWO STRIPS OF 100MMX4MM THK CAN BE PER FABRICATORS DECISSION.



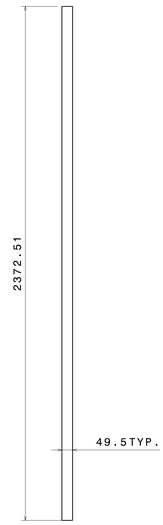
ITEM 3



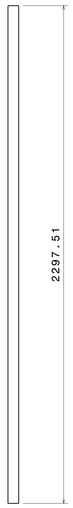
ITEM 4



ITEM 5

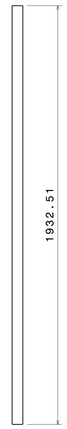


ITEM 14



ITEM 15

ITEM 16



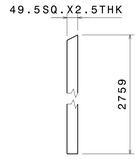
ITEM 17

ITEM 18

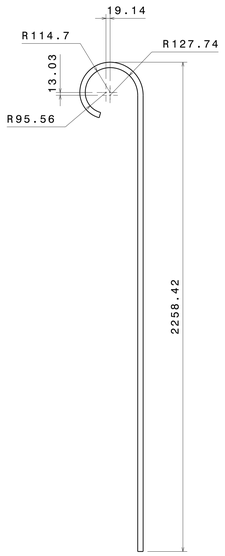
ITEM 19

ITEM 20

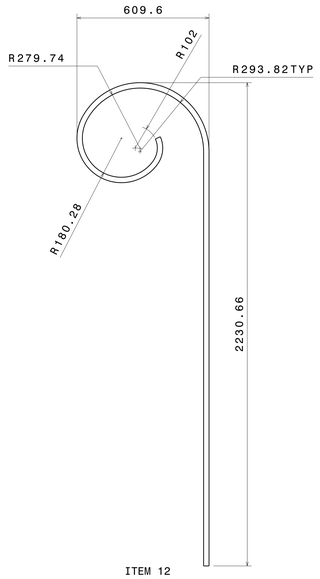
ITEM 14 TO 20 ARE OF 49.5SQX2.6 THK.



ITEM 2



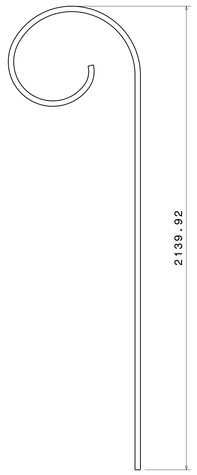
ITEM 13



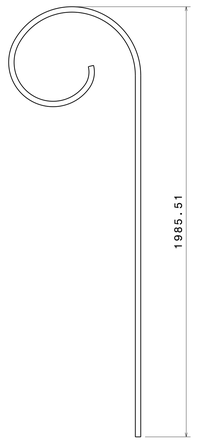
ITEM 12

ITEM 6 TO 13 ARE OF 25SQX1.6 THK.

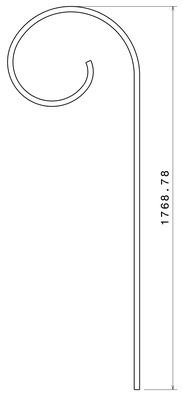
CURVED DESIGN FOR ITEM 6 TO ITEM 12 ARE TYPICAL



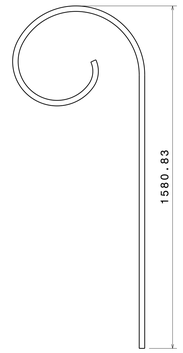
ITEM 11



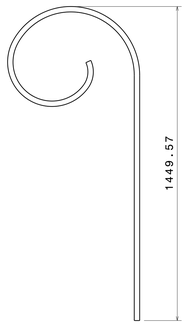
ITEM 10



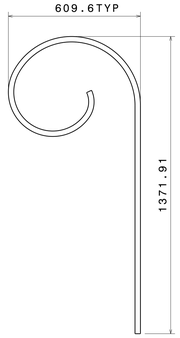
ITEM 9



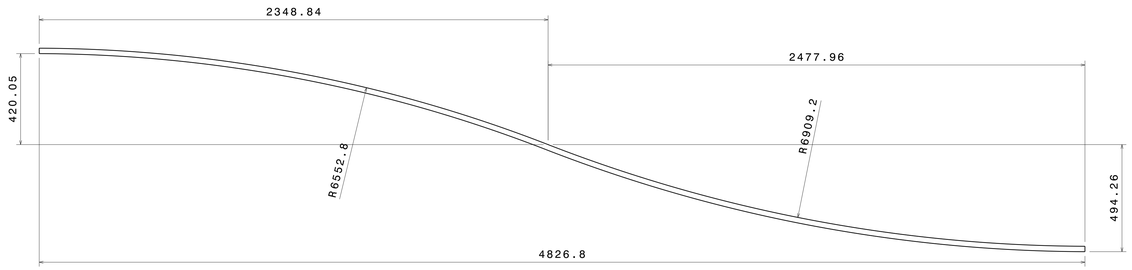
ITEM 8



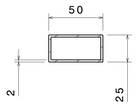
ITEM 7



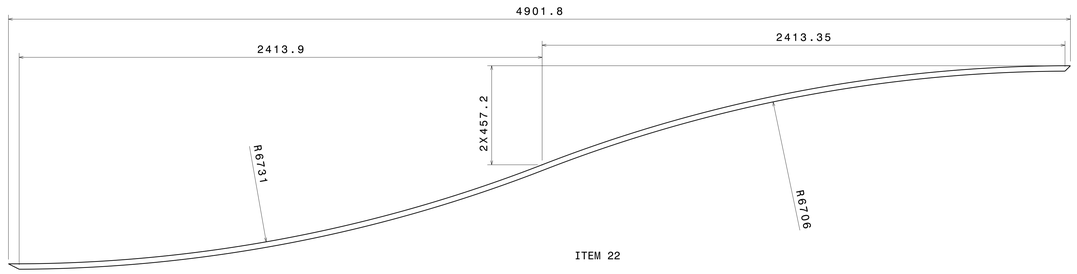
ITEM 6



ITEM 21



TYPICAL CROSS SECTION FOR ITEM 21 & ITEM 22



ITEM 22

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

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DRAWN BY SB	DATE 21MAR2020	APL APOLLO TUBES LTD.
CHECKED BY P2P Analysis & Solutions	DATE 21MAR2020	DRAWING TITLE GATE 28
DESIGNED BY P2P Analysis & Solutions	DATE 21MAR2020	SIZE A0 / DRAWING NUMBER P2P_GATE-00028 / REV 00
		SCALE NONE / WEIGHT(kg) XXX / SHEET 3 OF 5