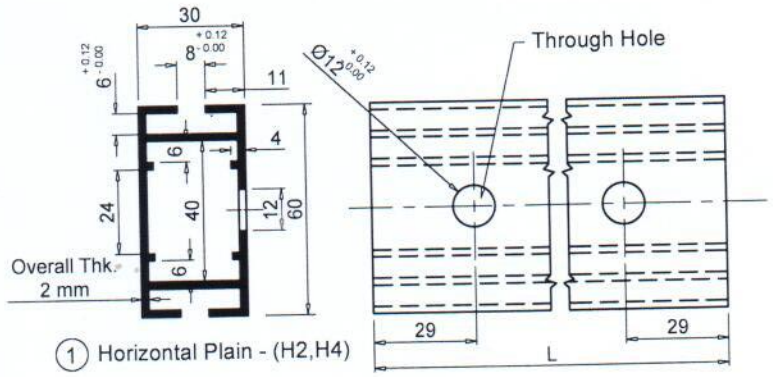
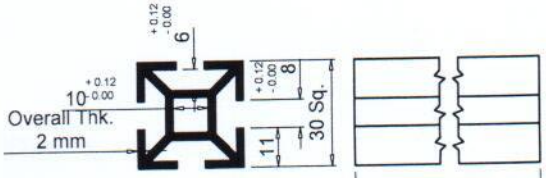
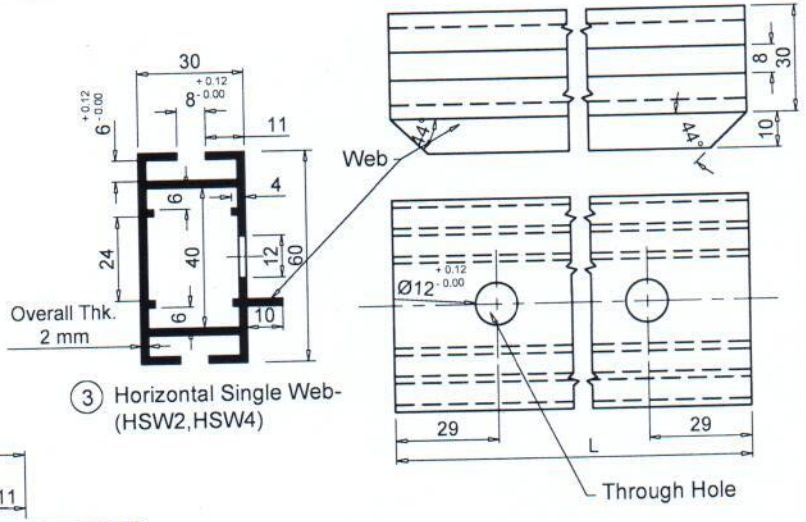


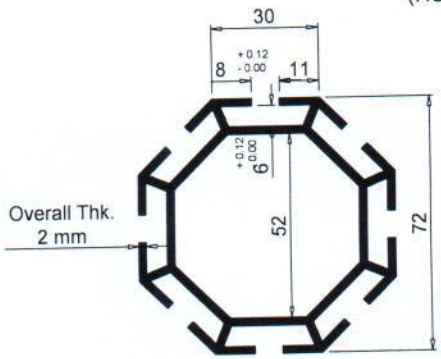
(1) Horizontal Plain - (H2,H4)



(2) Square Vertical-(SV)



(3) Horizontal Single Web-(HSW2,HSW4)



(6) Octagonal Vertical-(OV)

Note :

1. All Dimensions are in mm
2. Finish : Powder Coated- Black Color (RAL-9005)-(out side of the section) thickness of Powder Coat 70-100 Micron
3. Both end of the section should be free from burr.

ALUMINIUM EXTRUDED SECTION				
SL.NO.	ITEM NO.	CODE	SECTION	LENGTH (L)
1	1	H2	HORIZONTAL PLAIN	588 mm
2	3	HSW2	HORIZONTAL Single Web	588 mm
3	1	H4	HORIZONTAL Plain	1206 mm
4	3	HSW4	HORIZONTAL Single Web	1206 mm
5	6	OV8	OCTAGONAL Vertical	2440 mm
6	2	SV8	SQUARE Vertical	2440 mm
7	2	SV2.5	SQUARE Vertical	762 mm

NATIONAL COUNCIL OF SCIENCE MUSEUMS

UNIT: C.R.T.L.		PROJ.- CRTL	
DRG. NO. MISC-07/46/12	DATE 06/07/12	SCALE N.T.S.	TOLERANCE ±0.25mm
TITLE:- Aluminium Extruded Section(SIMA)			NO OFF.
DRN. BY	CKD. BY	APPRD. BY	

Specification: Aluminium Extruded Display Sections (SIMA) – 'Powder Coated'

Sl. No.	Particulars	Quantity (Nos.)	Specification
1.	Square Vertical SV 8	200	• Dimension: Strictly as per drawing. • Finish: Power coated (70 to 100 micron) • Colour: Black (RAL 9005). • Surface should be free from any waviness / dents / patch marks. • Surface should be free from any embossed / etched / watermark / stickers of manufacture's logo or name. • All sections should be supplied with individual transparent reusable protective wrapper.
2.	Octagonal Vertical OV 8	150	
3.	Square Vertical SV 2.5	100	
4.	Horizontal plain H 2	150	
5.	Horizontal plain H 4	200	
6.	Horizontal single web HSW 2	100	
7.	Horizontal single web HSW 4	150	

EXTRUDABLE ALUMINUM ALLOYS

Aluminum Extruded Display Sections:

Technical Parameters of Extruded Aluminum Alloy:

ALUMINUM ALLOY: 6063-T5

Properties	Metric
Density	2.70 g/cc
Hardness, Brinell	60
Ultimate Tensile Strength	186 MPa
Tensile Yield Strength	145 MPa
Elongation at Break (Typical; 1/16 in. (1.6 mm) Thickness)	12.00%
Modulus of Elasticity	68.9 GPa
Poissons Ratio	0.33
Fatigue Strength	68.9 MPa
Electrical Resistivity	0.00000316 ohm-cm
	@Temperature 20.0°C
Average CTE	23.4 µm/m-°C
	@Temperature 20.0 - 100°C
Specific Heat Capacity	0.900 J/g-°C
Thermal Conductivity	209 W/m-K
Melting Point	616 - 654 °C