



DELTA SHELVING DESIGN MANUAL

Revision: 1

SPERRIN METAL STORAGE SOLUTIONS





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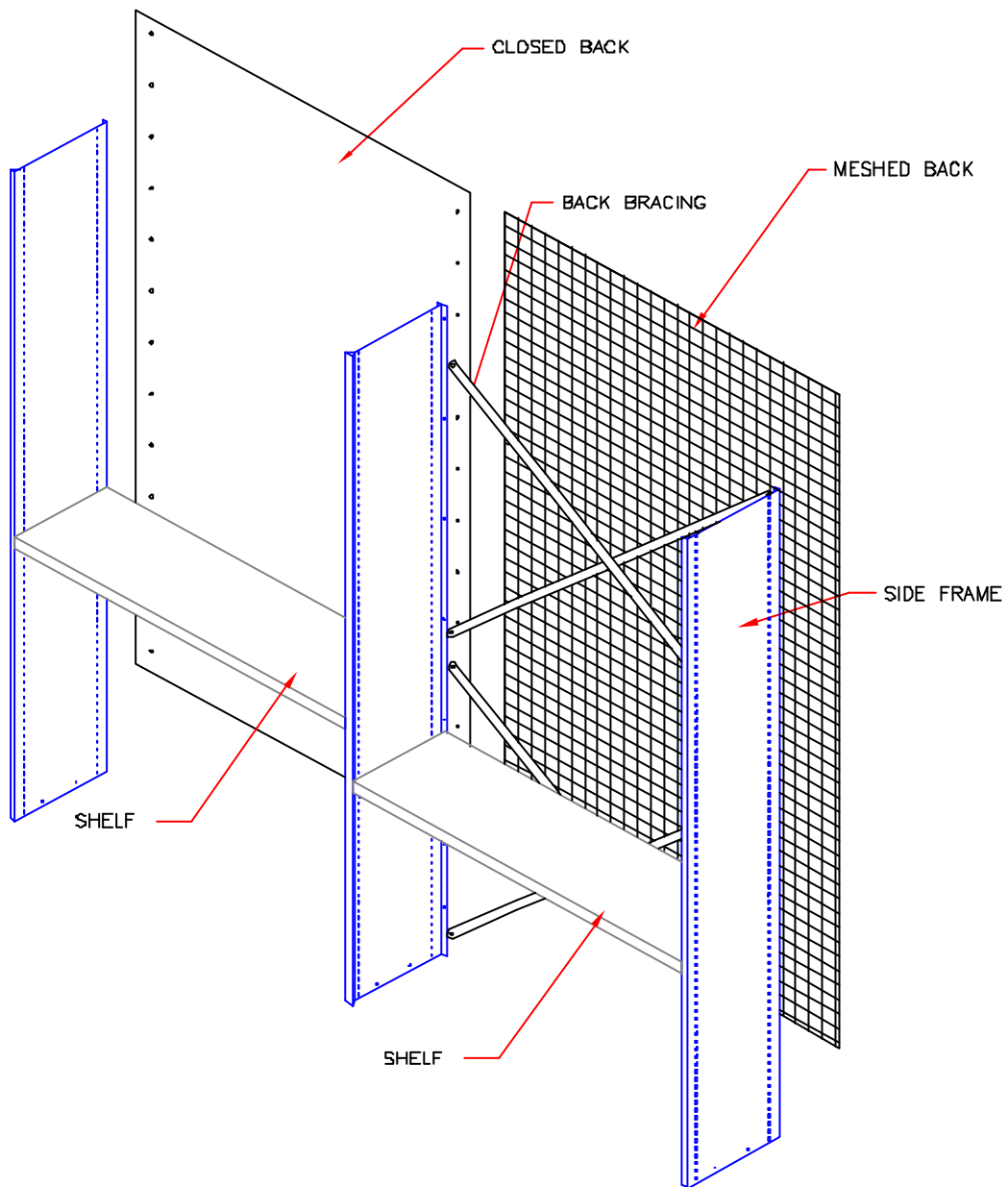
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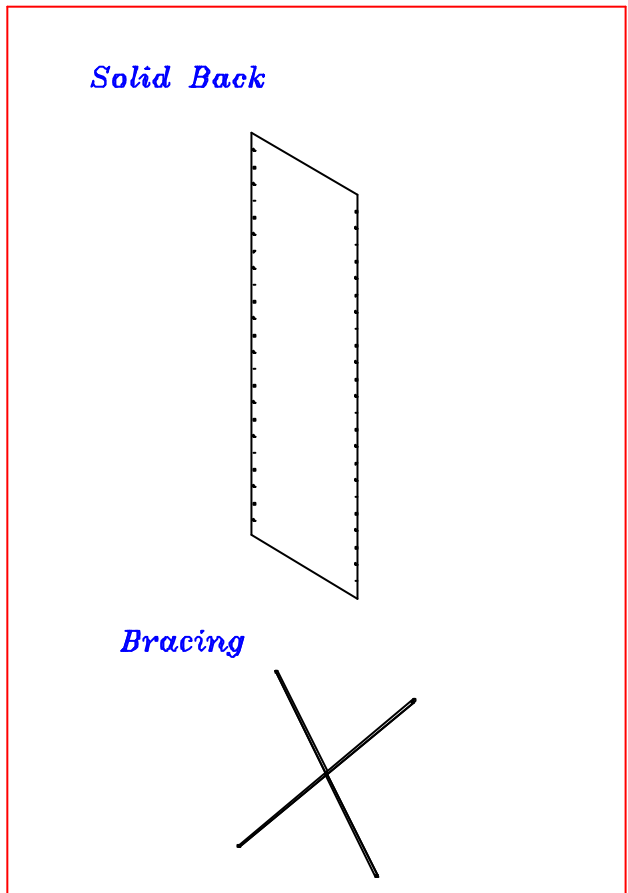
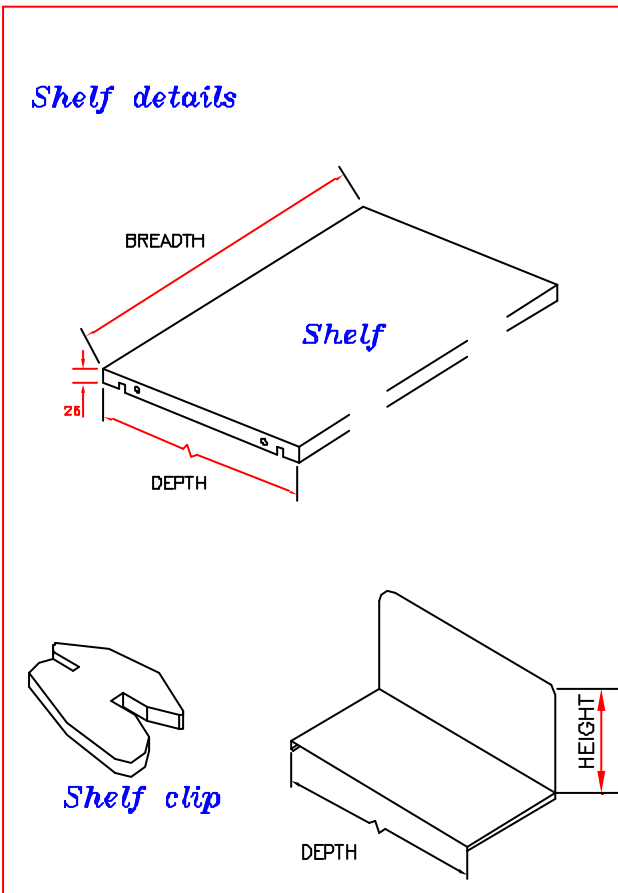
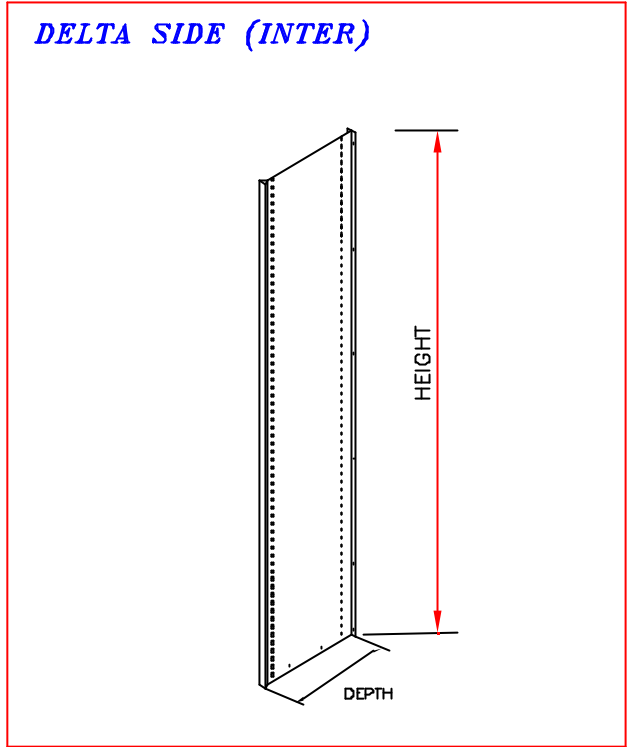
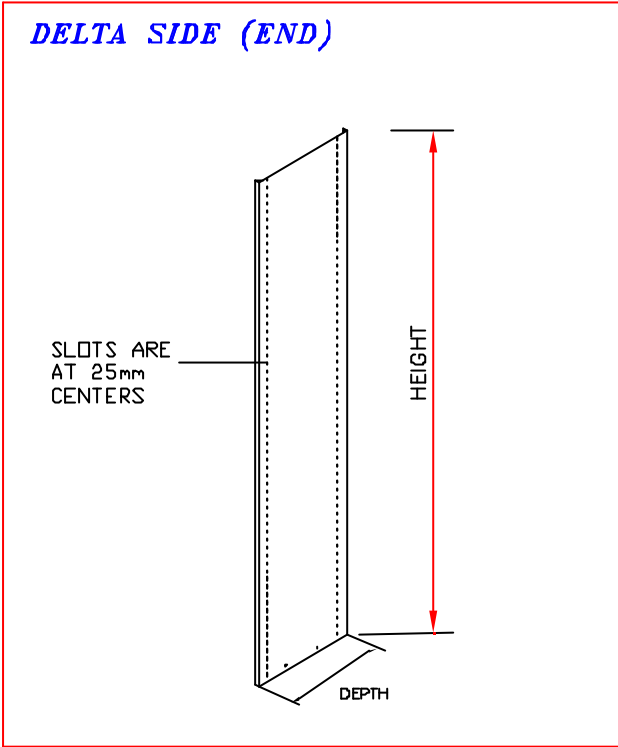
DELTA SHELVING

EXPLODED DRAWING



DELTA SHELVING COMPONENT PARTS

DEL-2



DELTA SHELVING



Frame Sizes

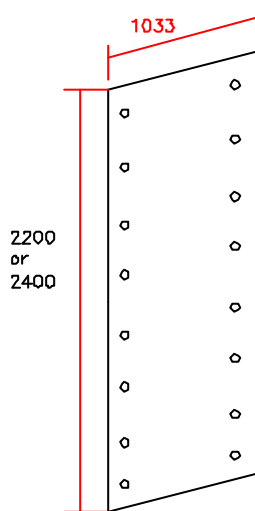
Height mm	Depth mm	Gauge mm
1880	200	0.9
2230	300	
2480	400	
	500	
	600	

Shelf sizes & load capacities

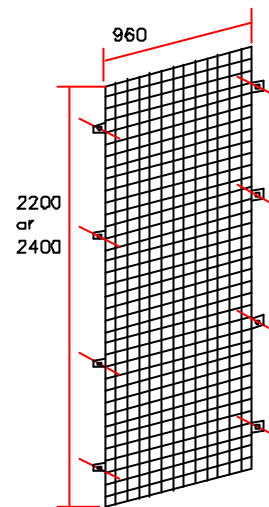
Width mm	Depth mm	Gauge mm	Standard Shelf kg
900/1000	200	0.80	70
900/1000	300	0.80	70
900/1000	400	0.80	70
900/1000	500	0.80	70
900/1000	600	0.80	70
900/1000	200	0.9	90
900/1000	300	0.9	90
900/1000	400	0.9	90
900/1000	500	0.9	90
900/1000	600	0.9	90

Each shelf is fitted with 4 No.Clips

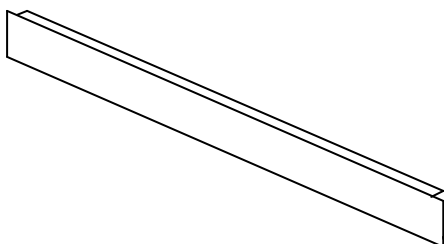
Solid back



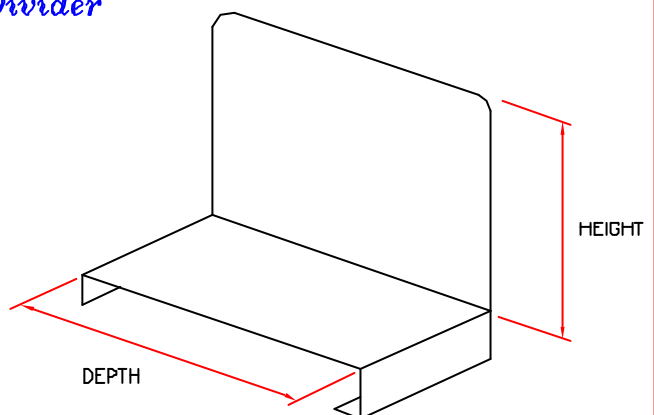
Mesh back



Plinth



Divider

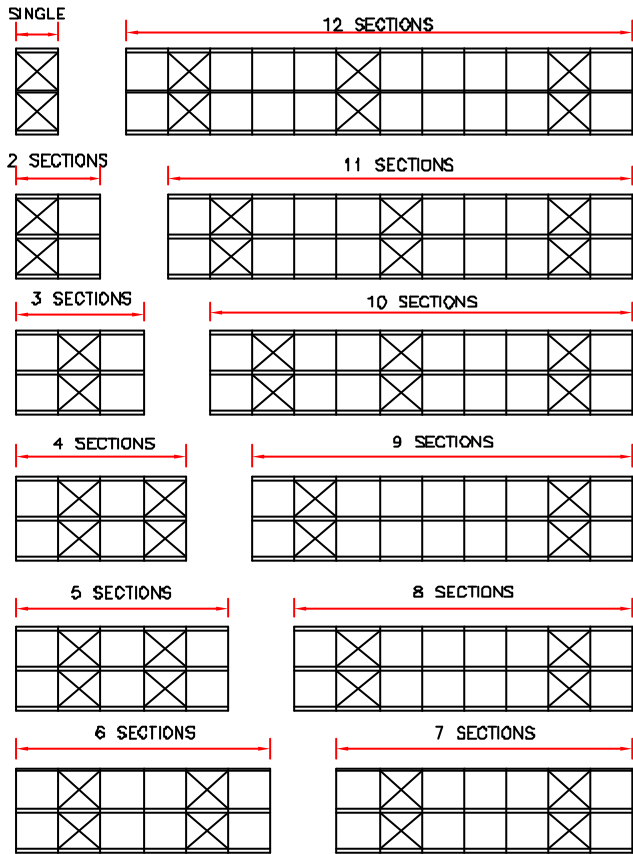


DELTA SHELVING BRACING DETAILS

DEL-4

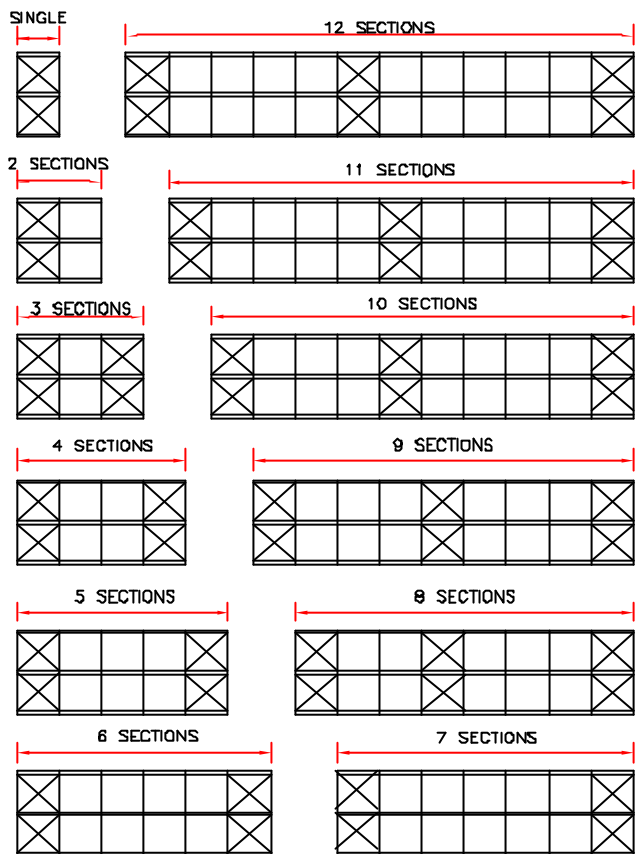
BRACING SCHEME 1

STATIC SHELVING

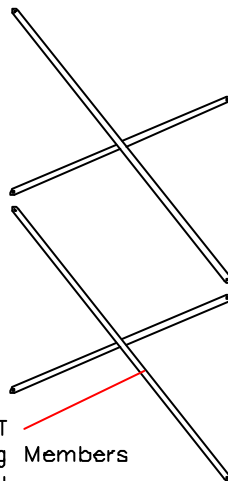


BRACING SCHEME 2

MOBILE SHELVING



FIXING OF BRACING



- BRACING SET
- 4 No. Bracing Members
- 8 No. M8 Nuts
- 8 No. M8x16mm Bolts



INSTALLATION OF DELTA SHELVING

The following is a guide to the installation of Delta shelving.

The Method of assembly for delta edge shelving is to first stand a pair of uprights vertically, with the back (single) flanges facing inwards. Bolt back sheet in position, with a bolt through the fourth hole up from the bottom, secure with a square nut. Cladding sheets may vary in length, so the shortest should always be used at the top. Insert the top sheet between the flanges, and secure with a bolt four holes down from the top. Where the Back sheets overlap, they should be secured with one bolt through both sheets. Whilst the bay is in this state it will have to be held continuously to ensure it does not tip.

Stand a pair of uprights (double flange if there will be more than one bay in the run), and fix through one upright, back sheet and then the other upright, with a bolt, four holes down from the top/bottom and the middle where sheets overlap. This should now be rigid enough to stand on its own.

To add an extension bay, bolt a back sheet between the double flange uprights or between the butt-strips if double flange uprights are not being used. Secure at the top, bottom and middle, as previous. Add another pair of uprights to the end with either double flange, or butt-strips, if run is being continued, else use single flange.

To bolt in shelves, first insert a bolt through the top front holes, put the shelf into position with the underside of the shelf facing outwards, secure with a nut. Insert a nut through the front hole in the shelf, and the front hole in the second upright, keep all bolts pointing right, unless the upright is on the end, when they should face inward to the cabinet. Swing the shelf upwards so the rear holes line up with the rear holes of the uprights, and bolt through as before. For the intermediate shelves, calculate the pitch, and insert as per the top shelf. On mobiles, bottom shelf should be just placed in.

The nuts and bolts in the unit should all be tightened, and the run fixed down in all corners, with self drilling and tapping screws.