

Excalibur

Panel sections - in full steel, steel/glass, steel/glass/steel and fully glazed.

Sliding doors - using low friction bearings for maintenance free operation. Bottom guide rails do not intrude into door opening and make for free access for all types of traffic. Normally supplied with claw lock and pull handles. Locks can be provided with Europrofile cylinders. Steel leaves may be solid or partially glazed.

Hinged doors - single or double leaf usually supplied with lever handles and mortice lock. Locks can be provided with Europrofile cylinders. Leaves can be timber or steel, solid or partially glazed. Both sliding and hinged doors can be supplied with automatic operation.

Hatches - sliding glass hatch for intercommunication between areas.

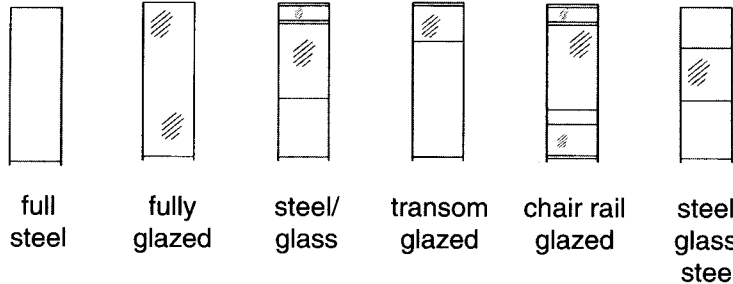
CONSTRUCTION Excalibur partitioning is of monobloc construction with 2 steel skins separated by an inert mineral wool insulating infill. Removable skirting and vertical junction channels give access for wiring. Adjustable wall fillers allow for small size variations in run lengths. In partially glazed panels 'clip-on' glazing beads can accommodate glass from 4 mm to 12 mm thick. Double glazing can be provided with an integral blind system.

Excalibur Double Skin Fire-Rated satisfies the integrity criteria specified in BS 476: Part 22: 1987 for a period of 60 minutes for all steel panels and for a period of 30 minutes for panels containing apertures fitted with Georgian Wired glass.

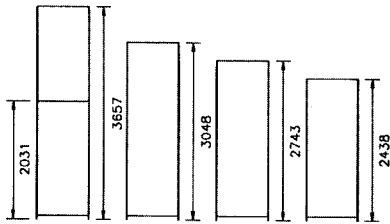
Sound reduction Certification for sound reduction has also been obtained to BS 5821: Part 1: 1984 over speech range 400 - 2500 Hz giving reductions of:
 36 dB - all steel panel
 36 dB - part glazed with 6 mm glass panel
 38 dB - part double glazed

Excalibur partitions are epoxy powder coated or stove enamelled to an average coating thickness of 70 microns. Partitioning is available in the standard colours as shown on page 12. Non-standard and corporate colours are available on request.

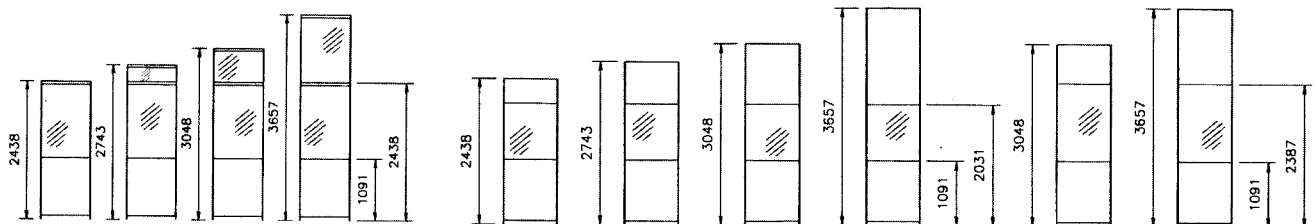
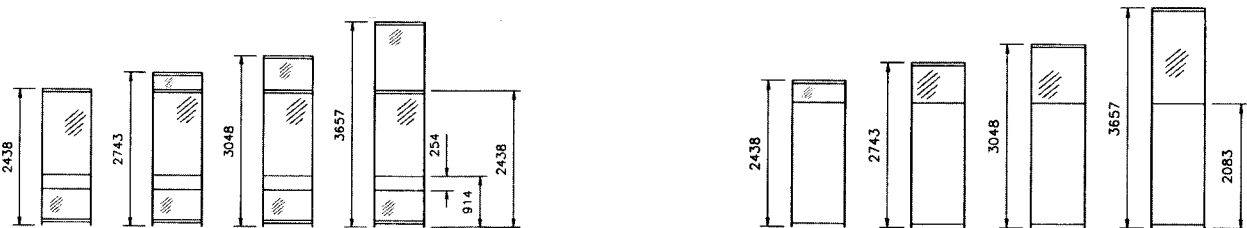
Partition types



Dimensions

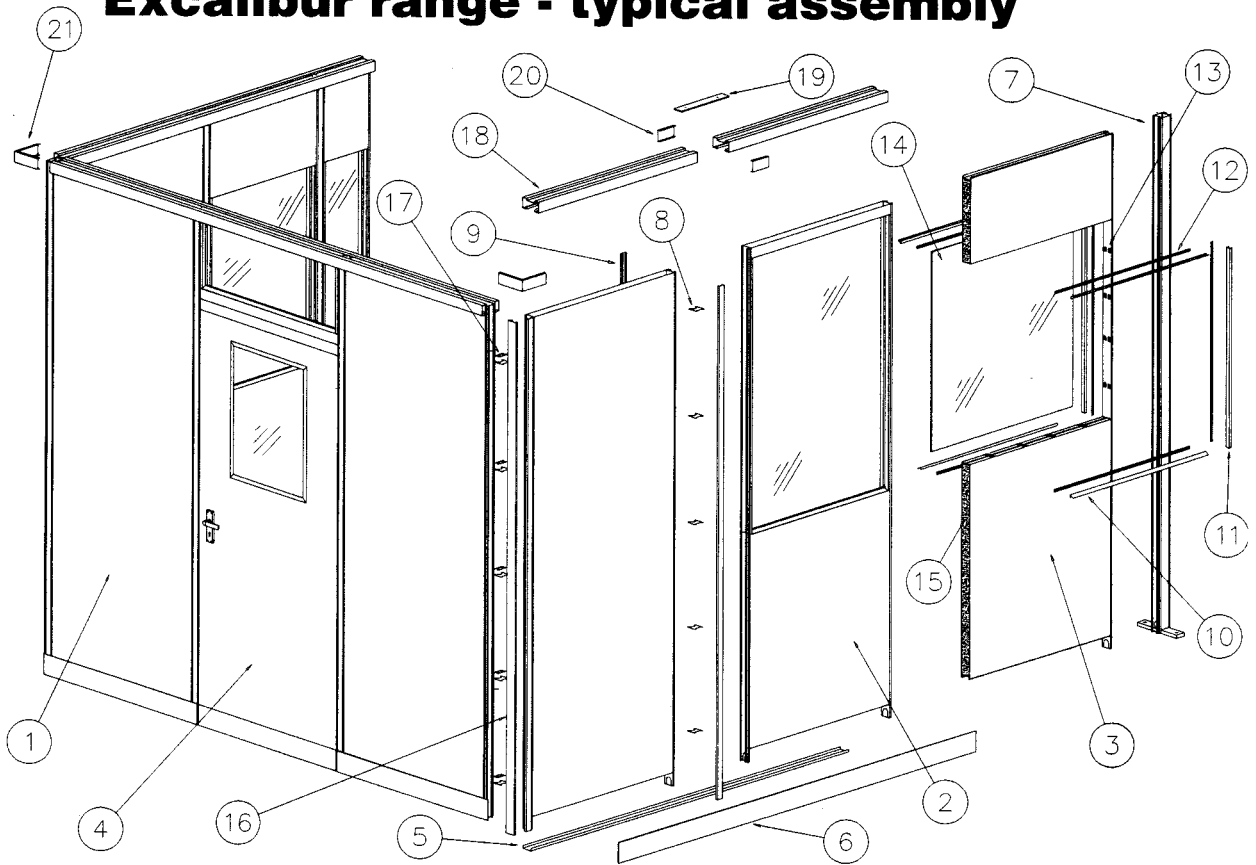


full steel •
 fully glazed •
 full steel (fire rated) •



These elevations are of panels only and do not include for top capping and /or floor track

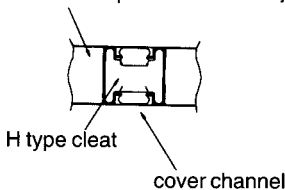
Excalibur range - typical assembly



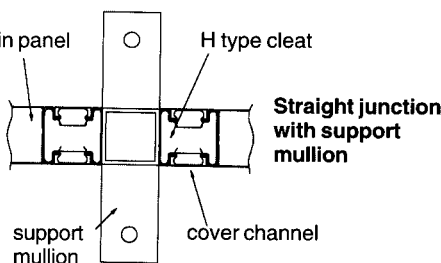
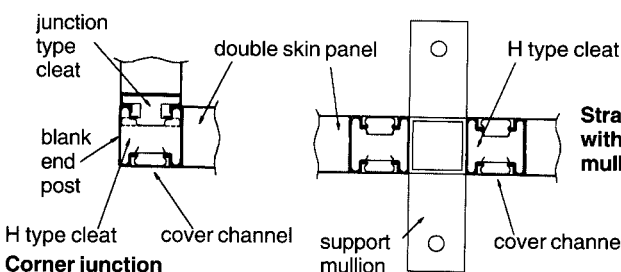
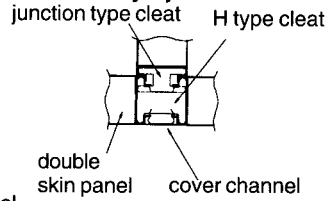
| Item | Component | Finish/material | Notes |
|------|-----------------------------|---|---|
| 1 | full steel panel | painted finish | width range 300 mm - 1000 mm |
| 2 | steel/glass panel | painted finish | width range 300 mm - 1000 mm |
| 3 | steel/glass/steel panel | painted finish | width range 300 mm - 1000 mm |
| 4 | steel glazed side hung door | painted finish | 900 mm module - also available in timber |
| 5 | floor channel | galvanised/mild steel | supplied in 3000 mm lengths |
| 6 | skirting | plastic | supplied in 3000 mm lengths; steel also available |
| 7 | support mullion | painted finish - contrasting colour to panels | 50 mm x 50 mm mullion; locate on 3000/3600 mm centres |
| 8 | H type cleat | self colour/mild steel | used at all junctions; see detail |
| 9 | cover channel | painted finish - contrasting colour to panels | cover strip for joins; fitted with spring clips |
| 10 | horizontal glazing bead | painted finish - matching panels | triangular section; clips in position |
| 11 | vertical glazing bead | painted finish - matching panels | rectangular section; clips in position |
| 12 | foam glazing strip | adhesive backed foam strip | supplied in rolls; fit to both sides of glazing |
| 13 | glazing clips | self colour - mild steel | clip to panels; locating beading |
| 14 | glazing | glass or plastic | various options available to suit application |
| 15 | mineral wool insulation | mineral wool insulation | pre-fitted to panels in factory |
| 16 | blank end post | painted finish - matching panels | used at corners and for support mullions |
| 17 | junction type cleat | self colour - mild steel | used at junctions; see detail |
| 18 | top capping | painted finish - contrasting colour to panels | supplied in 3000 mm lengths |
| 19 | top capping splice | painted finish - contrasting colour to panels | used to strengthen top capping joins |
| 20 | top capping join cover | painted finish - contrasting colour to panels | used to cover top capping joins |
| 21 | top capping corner cover | painted finish - contrasting colour to panels | used at top capping corners |

Assembly of junctions

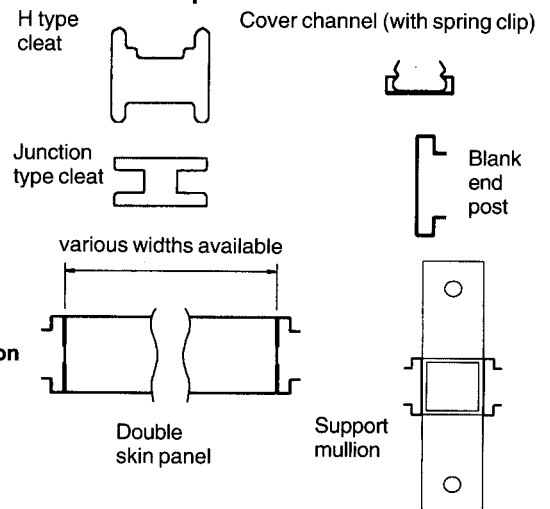
Straight junction double skin panel



3 way T junction



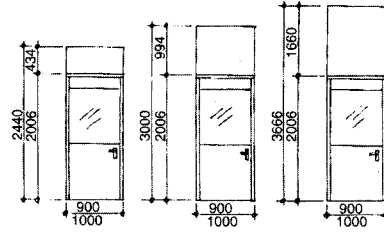
Junction components



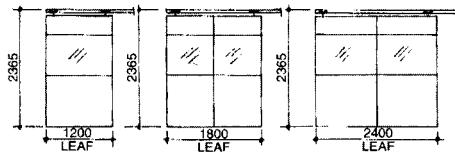
Door elevations

Broadsword typical assemblies

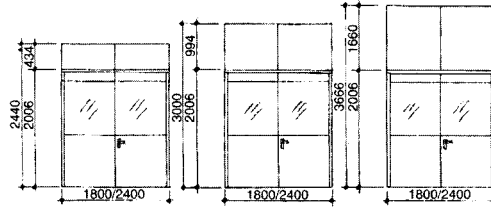
Hinged single doors



Sliding doors

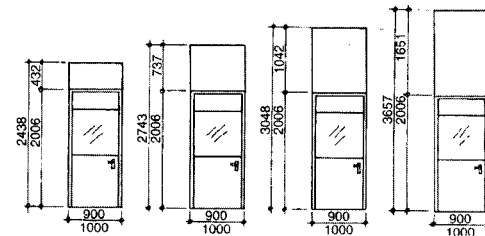


Hinged double doors

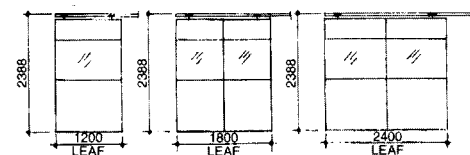


Sabre typical assemblies

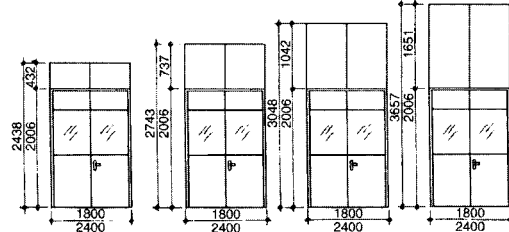
Hinged single doors



Sliding doors

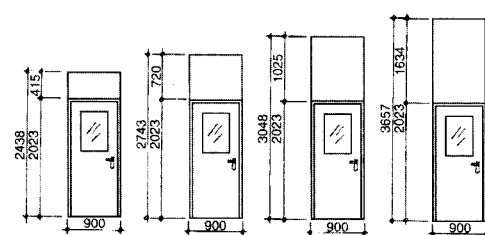


Hinged double doors

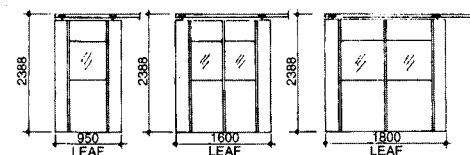


Excalibur typical assemblies

Hinged single doors



Sliding doors



Hinged double doors

