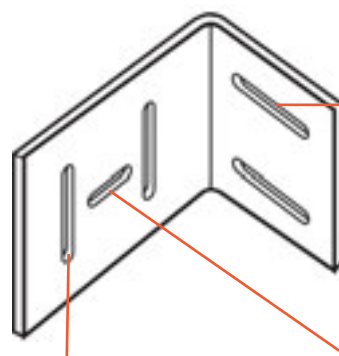


FC SERIES CLEAT, PRE-GALVANISED 3mm STEEL.



Typically Self Tapping 6.3 x 32 Hex Head Fastener to concrete/structural concrete blocks. To be determined by structural calculations.

Typically self drilling/self tapping 5.5 x 25 mm Hex Head to suit material thickness.

NB: Horizontal slot is an aid to facilitate the initial line-up of vertical rail section. When fixings in vertical slots have been installed - **fixing in horizontal slot must be removed** to allow for vertical deflection.

STRUCTURAL SECTIONS FRAMING CONTINUOUS EXTERNAL WALLING SYSTEMS.

Structural Sections Framing-Continuous System is eminently suitable for buildings where the floor area needs to be maximised. Cleats are attached to the outer faces of the floor slabs using fixings determined by structural calculations.

The continuous vertical sections are in turn attached to the FC Series cleats using appropriate screw fixings located through slotted holes to facilitate deflection within the floor slabs.

Continuous infill system vertical sections are supplied in full height lengths up to a maximum of 16 metres. Consideration should be given to site access, handling and erection of long lengths of vertical sections. Where splicing of section is necessary, please consult our Technical Department for assistance.

A number of Cill, Lintel and Jamb configurations are available to suit various design criteria (see page 12).

Structural Sections Framing-Continuous System is designed to carry lateral wind loads only. These loads are transferred from the outer cladding to the primary structure via the cleat connections.

Vertical movement due to deflection within the floor slabs is catered for by slotted holes in the cleats, **therefore external cladding weight must be supported from a suitable structural member designed to carry these vertical loads.** Where buildings exceed 3 storeys in height additional vertical load supports may be necessary in accordance with structural calculations.

The lower end of the vertical stud sections should be connected to a suitable support member to carry the vertical weight of the stud section together with attached insulation material, internal finishes, windows, exterior cladding (not masonry) etc. in accordance with structural calculations.