ARCHITECTURAL SPECIFICATION

High Rise Apartments, Student Accommodation, Hotels and Commercial: Corridor, Intertenancy, Shaft & Services walls

This specification should be adopted as a guide only, and shall be superseded by the contract specifications of the project. * Insert or select appropriate specifications.

SCOPE

The contractor shall furnish all material and equipment required to satisfactorily complete the installation and jointing of the CSR Hebel non-load bearing, high rise internal wall system(s) where indicated in the contract specification and/or on the layout drawings.

MATERIALS

All AAC material shall be Hebel PowerPanel panels as manufactured by Hebel.

All accompanying fixings shall be as per the current Hebel High Rise Apartments, Student Accommodation, Hotels and Commercial - Corridor, Intertenancy, Shaft & Service Walls - Design and Installation Guide (HELIT117 August 2016) and/or the appropriate project consultant's specifications.

All lining materials shall be Gyprock® plasterboard as manufactured and supplied by Gyprock® (or products of equivalent or better performance). Gyprock® Plasterboard shall be manufactured to meet the dimensional requirements of AS/NZS2588 'Gypsum Plasterboard'.

Steel frame components shall be those manufactured by Rondo Building Services Pty Ltd (or products of equivalent or better performance).

All infill material shall be Bradford™ or Martini infill as manufactured and supplied by Bradford™ or Martini (or products of equivalent or better performance).

LEVELS OF FINISH

All framing, plasterboard lining, jointing and finishing shall be carried out to *Level .....Level of Finish, in accordance with CSR Gyprock® GYP548 Commercial Installation Guide Steel Framed Wall & Ceiling Systems.

WALL SYSTEM

The contractor shall supply and install the Hebel PowerPanel Wall System non-loadbearing wall in accordance with the current Hebel High Rise Apartments, Student Accommodation, Hotels and Commercial - Corridor, Intertenancy, Shaft & Service Walls Design and Installation Guide (HELIT117 August 2016), and shall satisfy the following performance criteria.

The wall shall have a Fire Resistance Level *...../...../..... in accordance with the requirements of AS1530.4.

Installation shall be carried out to the level specified for a field acoustic performance of *Dntw / R'w.....using cavity infill of *Bradford.....(or Martini.....)(or products of equivalent or better performance).

FRAMING/FURRING CHANNEL

Wall framing shall consist of lipped steel studs *.....x.....x.....mm BMT installed at *.....mm maximum centres into steel floor and ceiling track *.....x.....x.....mm BMT.

The gap between the Hebel PowerPanel and the framing shall be *.....mm (12mm minimum or 20mm minimum for discontinuous construction and a minimum function of steel height). NOTE: It is important that the project engineer approve the type, size and maximum spacing of the fasteners to meet the design load requirements.

Metal furring system shall consist of *RONDO Steel Furring Channel Nº129 (at 600mm maximum horizontal centres) and *Nº..... Resilient Mounts/Anchor Clips installed at 1200mm maximum centres along the furring channel.

The framing/furring channel system is to be installed as detailed in the current Hebel High Rise Apartments, Student Accommodation, Hotels and Commercial - Corridor, Intertenancy, Shaft & Service Walls Design and Installation Guide (HELIT117 August 2016), and other relevant Hebel Technical Literature.

PLASTERBOARD

Caution:

- Fire rated installations must be fastener fixed. Adhesive is not permitted.
- Adhesive does not constitute a fixing system by itself.
- Adhesive daubs must never coincide with fastening points.
- Stud adhesive MUST NOT be used on FIRE RATED or TILED WET AREA systems.

The *Hebel PowerPanel wall/steel framing /steel furring channel / resiliently mounted steel furring channel shall be lined on the first side with one layer of *.....mm Gyprock® *...

PLASTERBOARD FIXING

All layers shall be fixed to the Hebel PowerPanel as specified for the relevant system in this guide and CSR Gyprock® GYP548 Commercial Installation Guide Steel Framed Wall & Ceiling Systems. All layers shall be fixed to the steel framing (ie. studs and/ or steel furring channels) as specified for the relevant system in the CSR Gyprock® Plasterboard Installation Manual, GYP548 Commercial Installation Guide Steel Framed Wall & Ceiling Systems, and Rondo Building Services Pty Ltd literature or steel frame manufacturer's literature.

CAULKING

*.....fire rated sealant + * .....acoustic rated sealant must be used in fire rated systems where caulking is indicated, and installed in accordance with the manufacturer's recommendations. *..... sealant must be used when caulking * non-fire rated/fire rated wet areas, as indicated, and installed in accordance with the manufacturer's recommendations.

IMPORTANT

Any variation or substitution of materials or assembly requirements, or compromise in assembly may result in failure under critical conditions.

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