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This specification should be adopted as a guide only, and shall be superseded by the contract specifications of the project.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 BMT installed at *………….mm maximum centres into steel floor and ceiling track *………………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 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.