

Appendix B: Architectural Specification

This specification should be adopted as a guide only, and shall be superseded by the contract specifications of the project.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 non-load bearing Hebel® CIWS walls where indicated in the contract specification and/or on the layout drawings.

Materials

All AAC material shall be Hebel® wall panels, as manufactured by Hebel®.

All accompanying fixings shall be those supplied by Hebel® or approved by the project engineer.

All internal lining materials if required including fixings and finishing products shall be those manufactured or supplied by CSR Gyprock® (or products of equivalent or better performance). Plasterboard shall be manufactured to meet the dimensional requirements of AS/NZS2588 'Gypsum Plasterboard'.

CIWS Type

The contractor shall supply and install non-load bearing Hebel® *CIWS-..... wall, in accordance with CSR Hebel Commercial & Industrial Wall Systems Design and Installation Guides, HE324DG and HE312IG.

CIWS Wall Panel Type

The contractor shall install *.....mm thick Hebel® standard wall panel, as shown on the 'Layout' drawings and in accordance with Hebel® Commercial & Industrial Wall Systems Design and Installation Guides, HE324DG and HE312IG.

Internal Lightweight Steel Framing

Internal Lightweight steel framing *is/is not required. The lightweight steel framing should consist of the following:

*.....mm offset from the face of Hebel® wall panels.

*.....mm steel stud/furring channel of *.....mm BMT.

Internal Linings

Internal lining *is/is not required. All internal lining material to be installed in accordance with the manufacturer's literature.

Hebel® wall panel/lightweight steel frame shall be lined with *..... layer/s of *.....mm Gyprock® plasterboard (or products of equivalent or better performance).

All internal lining, jointing and finishing shall be carried out to *.....Level of Finish, in accordance with Gyprock® Steel Frame Wall System Installation Guide, NoGYPS44 and other relevant CSR Gyprock Technical Literature.

CIWS Walls Acoustic Field Performance Requirements

Installation of the CIWS walls including: wall panel installation, internal lightweight steel framing, external finishes, internal finishes linings and all other components should be carried out to the level specified for a field acoustic performance of:

R_w of.....dB and/or $R_w + C_w$ of.....dB.

CIWS Walls Fire Performance Requirements

Hebel® CIWS walls *are/are not required to have a Fire Resistance Level (FRL) rating.

The wall shall have a Fire Resistance Level rating of *FRL for an external fire source, and/or *FRL for an internal fire source, in accordance with the requirements of AS1530.4.

External Coatings and Finishes

Prior to application of external coatings, the contractor shall ensure that:

- i) The panels are installed within the tolerances of the project specifications.
- ii) All panel-to-panel joints are completely filled with Hebel® Adhesive.
- iii) Minor chipping of panels is patched with Hebel® Patch, in accordance with Hebel® Panel Patching Procedure, Technical Bulletin No. HTB794.
- iv) All sealants are installed as per manufacturer's specifications.

Hebel® CIWS walls shall be externally coated with *..... coating system, which shall be installed to the manufacturer's specifications.

Internal Coatings and Finishes

Internal coatings and finishes shall be applied on the *Hebel® wall panels/ linings.

Hebel® CIWS walls shall be internally coated with *..... coating system, which shall be installed to the manufacturer's specifications.

Sealing and Caulking

All control, control and abutment joints shall be caulked with *..... backing rod and *..... sealant installed in accordance with the sealant manufacturer's recommendations.