



15 January 2016

**ARCHITECTURAL
USG STEEL STUD PARTITION WALL
SPECIFICATION**

PART 1 : GENERAL

1.1 SCOPE

Specify areas to receive the partition walls.

1.2 QUALIFICATIONS

Construction, installation and performance conditions shall comply with:

- USG Boral Steel Stud and Track System Height Tables
- USG Boral Steel Stud and Track System Installation Details
- AS/NZS 1170 : Structural Design Actions
- NZS 4600 : 1996 Cold Form Steel Structures Code
- AS/NZS 1397-93 Steel Sheet and Strip

1.3 DELIVERY AND STORAGE OF MATERIALS

All materials shall be delivered and stored in an enclosed shelter providing protection from damage and exposure to the elements. Damaged or deteriorated materials shall be removed from the premises as these could affect their structural properties. Materials shall be protected from damage by / to other trades.

1.4 ENVIRONMENTAL CONDITIONS

Installation of the USG Steel Stud and Track System shall not begin until the building is closed in, fully glazed, roof watertight, and areas dry and free of condensation moisture. Installation environment must be above dew point and if attached to timber, the moisture content must be below 18%. The system must not be used where exposed to excessive moisture, in contact with tanalised timber, chemically treated insulation, or copper piping.

PART 2 : PRODUCTS

2.1 STUD AND TRACK SYSTEM

Supply and install a **USG Boral Steel Stud and Track System** as manufactured by USG Interiors Pacific Ltd, ISO 9001:2000 Quality Endorsed Licence 5044.

- Stud system depth shall be _____ mm.
- The stud shall be 0.50 BMT minimum.
- The track shall be 0.55 BMT minimum and the same or greater than the stud BMT.
- The track sections shall be fixed at 600mm centres maximum, no more than 100mm from either end.
- Stud centres shall be a maximum of 600mm, or less to meet loading requirements or the lining manufacturer’s installation requirements.
- Studs shall have 25mm dia. coined service holes pre-punched in the web length
- Stud faces shall be knurled and 32 & 35mm wide to allow boxing and splicing
- Alternatives will not be accepted.

2.2 SYSTEM PERFORMANCE

- Wind Region _____
 - Site Wind Speed _____ mps
 - Terrain Category _____
 - Building Importance Level Type _____
 - Wall height _____ metres
- NOTE: Height will govern stud depth, spacing, and BMT based on system compliance with the above criteria
- Acoustical rating: STC _____ to system design _____
 - Fire Resistance Rating: FRR ___/___/___ to system design _____
 - NZBC Clause B2 Durability - A minimum serviceable life of 15 years when installed and used in enclosed, dry, non-corrosive interior conditions

PART 3 : EXECUTION

3.1 WALL SYSTEM

Specified USG Boral systems, including all necessary fasteners, shall be furnished and installed in accordance with USG Boral’s Steel Stud and Track System Installation brochure (SSI/6-14), plasterboard suppliers’ requirements and sound industry practice.

3.2 FIXTURES AND FITTINGS

Additional equipment shall not be attached to the system unless specific engineering design allows for the additional loads.

3.3 PRODUCER STATEMENT

At completion of works a Producer Statement must be submitted to Architect.