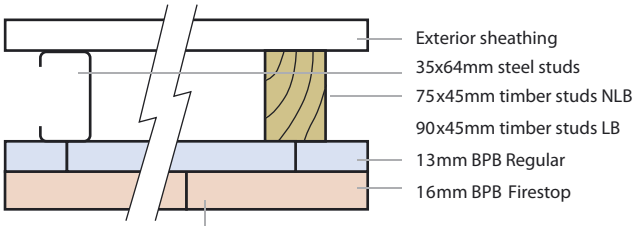
Timber or steel universal wall fire rated systems

Product	BPB Plasterboard
System	Universal wall system
System Number	TGUW60
Fire Resistance Rating	60/60/60
Plasterboard System	1 Inner Layer 13mm BPB Regular and 1 Outer Layer 16mm BPB Firestop

Framing and Wall Height

Timber - Timber frame is constructed using framing dimensions and height as determined by NZS 3604 stud tables. The minimum stud size is 75 x 45mm for non-loadbearing and 90 x 45mm for loadbearing walls.
Steel - Steel frame is separately designed for serviceability and ultimate loading at ambient temperatures to NZS 3604. Minimum stud size is 35 x 64 x 0.55mm for loadbearing systems. Maximum wall height is 3 metres.



Fasteners	Drywall Screws 12mm from sheet edge
Inner 13mm	40mm x 6g Bugle head
Outer 16mm	50mm x 7g Bugle head

Lining

One inner layer of 13.0mm BPB Regular and one outer layer of 16mm BPB Firestop lined on the fire exposed face. Use full-length sheets where possible. Wall sheathing to the fire unexposed face made from materials which do not ignite or melt at temperatures of 250 degrees C or more.

Fixing

Fix sheets at 200mm centres to perimeter of sheets and 300mm to intermediate studs. Fixings should start at 50mm from top or bottom of the wall. Sheet joints staggered between layers. Horizontal and vertical fixing permitted. Nogs are at 800mm centres for vertical lining and 1200mm centres for horizontal lining. All sheet edges must be made over solid framing.

Insulation

Wall cavities are optionally filled with R 1.8 nominal 75mm fibreglass insulation or equivalent.

Jointing

All fastener heads stopped and all sheet joints reinforced with paper jointing tape to outside layer only and stopped in accordance with AS/NZS 2589.1.