E2UW30

Universal Timber or Steel Frame **W**all

Load Bearing

One Way FRR

2 Layers: 2 Layers of Plasterboard to one side of frame (Fire side)

	System Number	Lining Suffix	Fire Rating	Load Bearing Ability	Noise Control		Lining Requirement	Cladding
					STC	Rw	Lining Requirement	(Required)
	E2UW30	-F20	30/30/30	LB	N/A	N/A	2 x 10mm Elephant FireSmart on One side	Any Cladding

Framing

Timber or Steel Frame designed to meet durability and structural criteria for strength and serviceability under dead and live loads.

Studs at 600mm centres maximum.

Stud width to be a minimum of 35mm.

Cavity depth to be a minimum of 90mm.

Wall Height, Load and Framing Dimensions

Timber frame: Refer to NZS3604 stud tables for height and framing dimensions of load bearing and non-load bearing partitions. Steel frame: Refer to specific designs.

Exterior Cladding

The Exterior wall must be clad with a suitable weathertight material. E.g. Brick Veneer, fibre cement sheeting, timber weatherboards etc.

Plasterboard Lining (Fire side)

Two layers of Elephant Plasterboard lining as per specified system above on one side of the framing.

Vertical or Horizontal fixing permitted. Use full height or full length sheets where possible. All outer layer joints must be staggered from inner layer joints.

Inner layer: All vertical or horizontal sheet joints of the inner layer must be formed over framing.

Outer layer(vertical fixing): All sheet joints must be fixed over framing. All vertical sheet joints must be fixed over framing. Sheet end butt joints do not need to be formed over framing but must be offset from inner layer

Outer layer(horizontal fixing): All sheet joints must be fixed over framing except longitudinal sheet joints of the outer layer, which do not need to be formed over framing. Sheet end butt joints must be formed over framing.

Fixing of Linings

Fasteners

	Timbei	r Frame	Steel Frame	
System Number	1st Layer	2 nd Layer	1st Layer	2 nd Layer
System Number		Thread Screws	Self-Tapping Drywall Screws	
E2UW30-F20	10mm	10mm	10mm	10mm
E20W3U-F2U	41 x 6g	51 x 7g	25 x 6g	32 x 6g

Fastener Centres

Inner Layer: Fix at 300mm centres up each stud.

Outer Layer: Fix at 300mm centres up each stud.

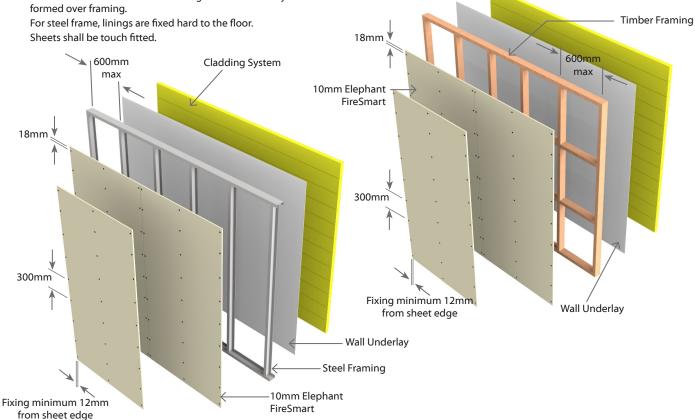
Place fasteners at 200mm centres where sheet end butt joints occur. Avoid outer layer screws from hitting inner layer screws.

Jointing

Inner Layer: Unstopped.

Outer Layer: All fastener heads stopped and all sheet joints reinforced and stopped. All in accordance with Elephant Plasterboard Installation Guide

Cladding System





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