

System Number	Lining Requirement	Min. Element Length (m)	BU/m		Minimum Panel Hold downs	Fixing Type	Fixing Pattern
			Wind	Earth-quake			
ECS-H	10mm Elephant Standard-Plus Plasterboard on one side	0.4	65	60	8kN	32mm x 6g Drywall Screws	Typical
		0.8	75	60			
		1.2	80	60			
ECSSH	10mm Elephant Standard-Plus Plasterboard on both side	0.4	85	90	10kN		
		0.8	95	90			
		1.2	100	90			
ECM-H	10mm Elephant MultiSmart on one side	0.4	80	80	10kN		
		0.8	90	80			
		1.2	100	80			

**FRAMING**

NZBC B1: Structure  
 NZBC B2: Durability

Steel framing dimensions and height as determined by Specific Engineering Design. C Section studs shall have a minimum thickness of 0.75mm and minimum nominal depth of 90mm and 35mm wide flanges.

**BOTTOM PLATE FIXING**

**Timber Floor** – 5mm washer as shown below, fixed to timber floor using a 12mm x 100mm galvanised coach screw.

**Concrete Floor** – 5mm washer as shown below, fixed to concrete slab using a proprietary concrete anchor with a minimum uplift capacity (as listed in table above) take into consideration concrete slab thickness (internal walls) and edge distance (external walls).

**WALL LININGS**

Refer Table at top of page

Vertical or horizontal fixing permitted. Use full height sheets where possible. Sheets shall be touch fitted

**FASTENERS**

32mm x 6g Drywall Screws

**FASTENING CENTRES**

**Perimeter of bracing element:** as per Pattern 2 diagram

**Centre of sheets:**

Vertical Fixing – Fasteners at 300mm centres at sheet joints in tapered sheet edges in the field of the bracing elements

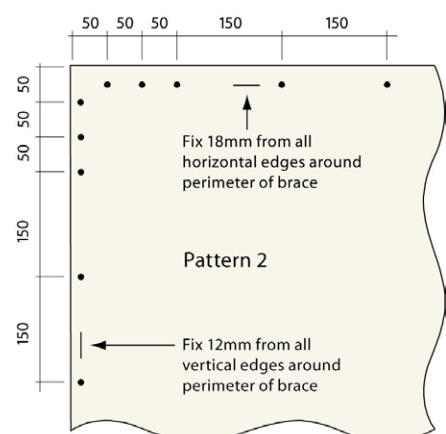
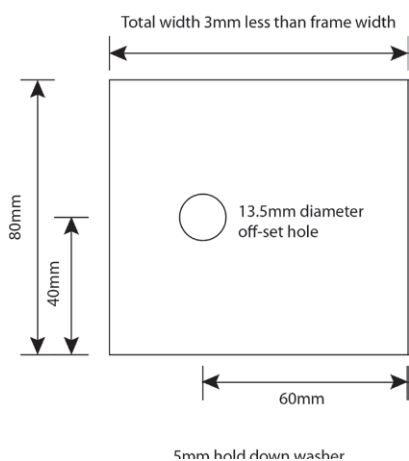
Horizontal Fixing – Place single fasteners in the tapered edge where sheets cross studs.

Use daubs of adhesive at 300mm centres to intermediate studs in the body of the sheets.

Place fasteners 12mm from paper bound edges and 18mm from Cut edges.

**JOINTING**

All fastener heads stopped and all sheet joints paper-tape reinforced and stopped in accordance to Elephant Plasterboard Installation Guide



System Number	Lining Requirement	Min. Element Length (m)	BU/m		Minimum Panel Hold downs	Fixing Type	Fixing Pattern
			Wind	Earth-quake			
ECMPH	10mm Elephant MultiSmart on one side & 7mm D-D Plywood on the other	0.4	100	95	12kN	32mm x 6g Drywall Screws	Typical
		0.8	115	110			
		1.2	130	120			

**FRAMING**

NZBC B1: Structure

NZBC B2: Durability

Steel framing dimensions and height as determined by Specific Engineering Design. C Section studs shall have a minimum thickness of 0.75mm and minimum nominal depth of 90mm and 35mm wide flanges.

**BOTTOM PLATE FIXING**

**Timber Floor** – 0.95BMT bracket and 5mm washer as shown below, fixed to timber floor using a 12mm x 100mm galvanised coach screw.

**Concrete Floor** – 0.95BMT bracket and 5mm washer as shown below, fixed to concrete slab using a proprietary concrete anchor with a minimum uplift capacity (as listed in table above) take into consideration concrete slab thickness (internal walls) and edge distance (external walls).

**PLASTERBOARD WALL LINING**

Refer Table at top of page

Vertical or horizontal fixing permitted. Use full height sheets where possible. Sheets shall be touch fitted

**FASTENERS (BOTH PLASTERBOARD & PLYWOOD)**

32mm x 6g Drywall Screws

**FASTENING CENTRES**

**Perimeter of bracing element:** as per Pattern 2 diagram

**Centre of sheets:**

Vertical Fixing – Fasteners at 300mm centres at sheet joints in tapered sheet edges in the field of the bracing elements

Horizontal Fixing – Place single fasteners in the tapered edge where sheets cross studs.

Use daubs of adhesive at 300mm centres to intermediate studs in the body of the sheets.

Place fasteners 12mm from paper bound edges and 18mm from Cut edges.

**FIXING OF PLYWOOD LINING**

Vertical sheet fixing only. Within the bracing element place fasteners at 150mm centres along all sheet joints and at 300mm centres to intermediate framing. Plywood to comply with AS/NZS 2269.0:2012

**JOINTING**

All fastener heads stopped and all sheet joints paper-tape reinforced and stopped in accordance to Elephant Plasterboard Installation Guide

