

<b>E4T120</b>	<b>Single Timber Frame</b>	<b>Non Load Bearing</b>	<b>Two Way FRR</b>
---------------	----------------------------	-------------------------	--------------------

**4 Layers: 2 Layers of Plasterboard to each side of frame**

System Number	Lining Suffix	Fire Rating	Load Bearing Ability	Noise Control		Lining Requirement
				STC	Rw	
<b>E4T120</b>	<b>-FM58</b>	---/120/120	NLB	46	45	1 x 16mm FireSmart and 1 x 13mm Elephant MultiSmart on One side 1 x 16mm FireSmart and 1 x 13mm Elephant MultiSmart to Other side

**Framing**

Framing to comply with relevant sections and clauses of NZBC B1: Structure and NZBC B2: Durability.  
Studs at 600mm centres maximum.  
Nogs at 800mm centre maximum.

**Wall Height, Load and Framing Dimensions**

These are determined by NZS3604 stud tables for non-load bearing partitions.

**Plasterboard Lining**

One layer of 16mm Elephant FireSmart & One layer of 13mm Elephant MultiSmart lining on each side of the timber framing.  
Vertical fixing only permitted. Use full height sheets where possible.

**Vertical Fixing**- the vertical sheet joints must be offset on the opposite side of the frame and staggered between layers.

**Sheet end butt joints**- must be formed over framing, offset from opposite side of the frame and staggered between layers.

All sheet joints must be fixed over solid timber framing.  
Sheets shall be touch fitted.

**Fixing of Linings**

**Fasteners**

System Number	Side One		Side Two	
	1 <sup>st</sup> Layer	2 <sup>nd</sup> Layer	1 <sup>st</sup> Layer	2 <sup>nd</sup> Layer
<b>E4T120-FM58</b>	High Thread Drywall Screws			
	16mm	13mm	16mm	13mm
	41 x 6g	51 x 7g	41 x 6g	51 x 7g

**Fastener Centres**

**Inner Layer:** Fix 600mm centres vertically up each stud and 600mm horizontally along top and bottom plate.

**Outer Layer:** Fix at 300mm centres at sheet perimeter and 300mm centres on all other studs.

Place fasteners 50mm from sheet corners along the top and bottom plates. On end studs place additional fasteners 50-60mm vertically and no close than 10mm from plate to stud connections.

Place fasteners no closer than 12mm from the sheet edges and 18mm from sheet ends.

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 with paper jointing tape and stopped.. All in accordance with Elephant Plasterboard Installation Guide.

