

**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>E4SL90</b>	<b>-F64</b>	90/90/90	LB	47	46	2 x 16mm Elephant FireSmart on One side 2 x 16mm Elephant FireSmart to Other side

**Framing**

Any steel frame designed to meet structural criteria for strength and serviceability under dead and live loads. Stud width shall be 35mm minimum. Stud spacing at 600 centres maximum. Frame heights as determined by specific design.

**Plasterboard Lining**

Two layers of 16mm Elephant FireSmart lining on each side of the steel framing. Vertical or Horizontal fixing permitted. Use full height or full length sheets where possible.

**For Vertical Fixing-** the vertical sheet joints must be offset on the opposite side of the frame.

**For Horizontal Fixing-** the horizontal sheet joints must be formed over nogs and must be offset on the other side of the frame.

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

All outer layer joints must be staggered from inner layer joints.  
All sheet joints must be formed over framing.  
The layers are fixed hard to the floor.  
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>E4SL90-F64</b>	Self-Tapping Drywall Screws			
	16mm	16mm	16mm	16mm
	32 x 6g	51 x 7g	32 x 6g	51 x 7g

**Fastener Centres**

Inner Layer: Fix at 600mm centres up each stud with no fixing to top and bottom track sections.

Outer Layer: Fix at 300mm centres up each stud with no fixing to top and bottom track sections.

Place fasteners no closer than 12mm to the sheet edge and 50mm 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.

