TECBEAINI FLOOR/ROOF DETAILS		E BEAM
TecBeam Section Details	Tapered End Details	
TB25 TB30 TB36 TB40 & TB26	TB25 & TB26 TB30 TB36	TB40
Strongback Fixing Details	Load Bearing Strongback Details	Cantilevered TecBeam Details
T3A T3B Timber Steel	T3C T3D Non-Cantilevered Cantilevered	T4A T4B T4C Cantilevered With Extension Reinforced
Elat Deef Framing 9 Dev Cutter	Strongback Strongback	TecBeam LVL/Pine Joist
T5A T5B	T6A T6B T6C T6D	T7A T7B T7C
Flat Roof Box-Gutter	Solid SmartJoist Solid SmartRim	Hanger EA Full Bear
TecBeam To Timber Beam Details	TB To UB/UC Steel With Bracket	TB To PFC Steel With Bracket
T8A T8B T8C T8D T8E T8F	T9A T9B T9C T9D T9E T9F	T9G T9H T9I
FM Stiffener Strap 300	UB UB UC TM Strap	Front Back
TecBeam Check Into Steel Details	Timber Beam To TecBeam Details	Web-Stiffener Details
TIDA	Single Double	Over Under PL
	TecBeam TecBeams	Support or Wall
	etalis	
UDL PL Int. Wall Ext. Wall		







A

Α

and nailed or sc

Techeam Steel Strongback Connection

T3B

Timber wedges glued

and nailed or screw fixe

Steel Strongback - standard size

SECTION A-A



Strongback Fixing Details



Load Bearing Strongback





14 mn

at 600

Ø hold

TecBeam Box-Gutter



Cantilevered TecBeam

T4A

Install I VI web-stiffener or

requireed through the steel web.

Blocking between ever joist over line of suppo

Rimboard end

both sides of the web





TecBeam Flat Roof



SmartStruct

148mm Upstand With Hole Located 293mm From End.

T2I



188mm Upstand With Hole Located 400mm From End.

T2K

260mm Upstand With Hole Located 190mm From End.

T2J

TecBeam TB40 Tapered End Detail 188mm Upstand With Hole Located 293mm From End. T2L







TecBeam Block Wall Support Details



TecBeam To Timber Beam Using Face-Mount Hanger





TecBeam Fixing Details - Page 5/6

Last update: 4th March 2022

TecBeam To Timber Beam With LVSIA/LVSIA300 TecBeam to UB/UC Steel Face/Top Mount Hanger



TecBeam to PFC Steel Face/Top Mount Hanger Top mount hanger fixed to the timbe AN



Solid Timber Beam To TecBeam



Fixing plates: (continuous) size dependent upon SmartJoist size. Min. 35mm thick & securely fixed to the steel as per eng. specification Timber packer fixed to the top of PFC as per eng. sp 41 30x6g bugle-head screw through hottom hole OP 1 skew nail int each side of the bottom flange both sides Skew nail top flange to fixing plate with 2 off_3.15 x 65 nai 30x6g bugle-head screw throug bottom hole OR 1 skew nail into each side of the bottom flange. Fixing plates: (continuous) 61 ident upon SmartJoist size Min. 35mm thick & securely fixed to the steel as per eng. specification 30x6g bugle-head screw through ottom hole OB 1 skew nail int each side of the bottom flange. TecBeam To PFC Steel Beam Using Face-Mount Hanger

T9I

TecBeam Into Steel







Multiple TecBeams Lamination

