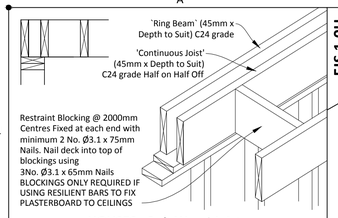
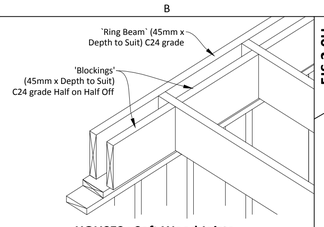
A B C D E F G

1



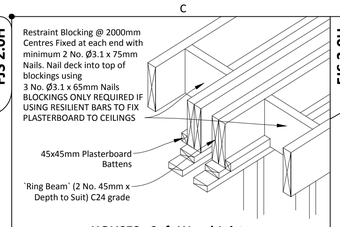
FJS 1.0H

HOUSES : Soft Wood Joists
Parallel to 140mm EXT Wall



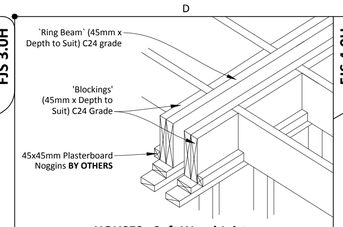
FJS 2.0H

HOUSES : Soft Wood Joists
Perpendicular to 140mm EXT Wall



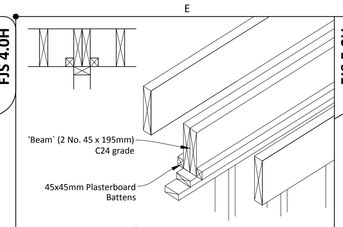
FJS 3.0H

HOUSES : Soft Wood Joists
Parallel to 90mm Party Wall



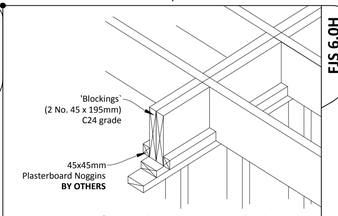
FJS 4.0H

HOUSES : Soft Wood Joists
Perpendicular to 90mm Party Wall



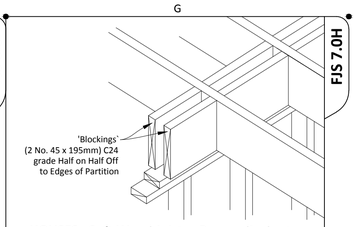
FJS 5.0H

HOUSES : Soft Wood Joists - Parallel to
90mm Internal LB Wall Above



FJS 6.0H

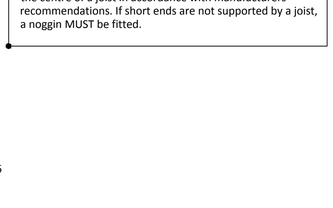
HOUSES : Soft Wood Joists - Perpendicular to
90mm Internal LB Wall Above



FJS 7.0H

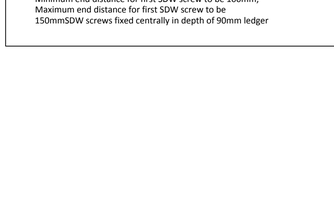
HOUSES : Soft Wood Joists - Perpendicular to
90mm Internal LB Wall Below ONLY

2



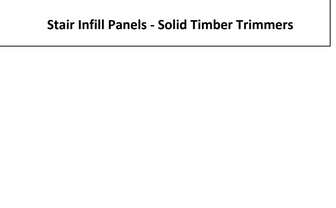
FJS 8.0H

HOUSES : Soft Wood Joists
Parallel to 90mm Non-LB Wall Above



FJS 9.0H

HOUSES : Soft Wood Joists
Perpendicular to 90mm Non-LB Wall Above



FJS 10.0H

HOUSES : Soft Wood Joists
Typical Cassetted Floor Build Up

3

FJS 1.0F

FLATS : Soft Wood Joists
Parallel to 140mm EXT Wall

FJS 2.0F

FLATS : Soft Wood Joists
Perpendicular to 140mm EXT Wall

FJS 3.0F

FLATS : Soft Wood Joists
Parallel to 90mm Party Wall

FJS 4.0F

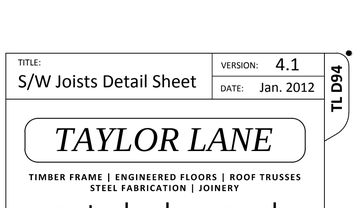
FLATS : Soft Wood Joists
Perpendicular to 90mm Party Wall

FJS 5.0F

FLATS : Soft Wood Joists - Parallel to
90mm Internal LB Wall Above

FJS 6.0F

FLATS : Soft Wood Joists - Perpendicular to
90mm Internal LB Wall Above



FJS 7.0F

FLATS : Soft Wood Joists - Perpendicular to
90mm Internal LB Wall Below ONLY

4

FJS 8.0F

FLATS : Soft Wood Joists
Parallel to 90mm Non-LB Wall Above

FJS 9.0F

FLATS : Soft Wood Joists
Perpendicular to 90mm Non-LB Wall Above

FJS 10.0F

FLATS : Soft Wood Joists
Typical Party Floor & Ceiling Build Up

FJS 12.0F

FLATS : Soft Wood Joists
Parallel to 90mm NO Party Wall Above

FJS 13.0F

FLATS : Soft Wood Joists
Parallel to 90mm NO Party Wall Below

5

Fully Deck with 18mm OSB T&G / 22mm Chipboard:

Nail Perimeter @ 150mm Centres
Nail Intermediate @ 300mm Centres

Nail Specification:
Galvanised Annular Ring Shank Nails: Ø3.1 x 65mm
'Gun Nails' Galvanised Annular Ring Shank: Ø3.1 x 63mm

Fully Glue Floor Deck to Joists and all Joints using PVA moisture resistant timber adhesive to manufacturers recommendations.

Tongue & Groove boards must be laid in a staggered pattern with long egdes across the joists, and short edges falling on the centre of a joist in accordance with manufacturers recommendations. If short ends are not supported by a joist, a noggin MUST be fitted.

FJS 14.0

9mm external grade OSB3 sheathing nailed to CLS at 150mm centres Perimeter, 300mm centres within sheet of OSB
Note: 7.5mm built in tolerance at both ends of floor infill panel (total 15mm in length)

Stair Infill Panels - Solid Timber Trimmers

FJS 16.0

Mark on OSB Deck clearly the following: **Temporary Deck: No working loads (Imposed Loading Allowed 0.75kN/m² No point loads have been allowed)**

Strong-Drive Screw Applications - Connection of Multi-Ply Engineered Wood Products - Installation:

- Screws with self-drilling tips require a high torque to install especially when installed into dense wood materials such as Structural Composite lumber ie LVL and PSL.
- To prevent overstressing of the screws the following guidance should be considered.
- The screw guns used to install the screws should have the following (minimum) specification: 100Nm torque, 14.4V or 18V Battery and have impact driving functionality
- The number of screws being installed needs to be considered against the constant high loads, at high torque, applied to the screw gun motor. Refer to manufacturer for motor loading conditions.
- For best installation use a low speed drill with 9.5mm (⅜) hex head driver.
- The bottom of the screw head shall be installed flush to the surface of the member being connected.
- Do not over drive the Strong Drive screws.
- Predrilling may be necessary depending upon the timber type and density.

FJS 18.0

Detail Applicable to Floor Cassettes & Loose Joist Layouts
Note: STANDARD FIXING CENTRES SHOWN
THESE MAY BE SUPERSEDED BY SPECIFIC SITE PLANS

IF FIXING TWO OPPOSING CASSETTES WITH JOISTS PERPENDICULAR TO PARTY WALL: Sequence of laying is irrelevant.

Lay first cassette and nail rim board using Ø3.1mm galv. ring shank nails at 300mm c/c

Lay cassette on opposite side of party wall & fix into centre of 45mm wide C24 timber ring beam using Ø4.8mm x 114mm Cullen Fasten Master Timberlok screws.

IF FIXING ONE CASSETTE WITH JOISTS PERPENDICULAR TO PARTY WALL AND ONE OPPOSING CASSETTE WITH JOISTS PARALLEL TO PARTY WALL:

Fit cassette with joists perpendicular to wall **FIRST** and nail as above.
Then fit cassette with joists parallel and timberlok as above into centre of 45mm wide C24 timber ring beam.

Party Wall - Soft Wood Floor Fixing Details

6

7

TITLE: S/W Joists Detail Sheet
VERSION: 4.1
DATE: Jan. 2012
TL D94

TAYLOR LANE
TIMBER FRAME | ENGINEERED FLOORS | ROOF TRUSSES
STEEL FABRICATION | JOINERY
www.taylor-lane.co.uk
design@taylor-lane.co.uk
t. 01432 271912 f. 01432 351064
Chapel Road | Rotherwas Industrial Estate | Hereford | HR2 6LD