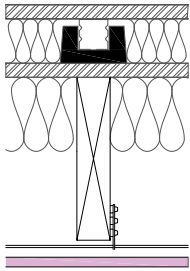




JHFTGS _d 60	Fire Resistance Rating	STC / IIC	Floor/Lining option
	60	62/58	Secura™ Interior Flooring with 2 x 13mm GIB Fyreline® Additional layer of Secura™ Interior Flooring to James Hardie Acoustic Floor Channel and James Hardie Acoustic Cradle

TWO WAY 60 MINUTE – TIMBER FRAMED FLOOR

FRAMING

Floor joists to be in accordance with NZS 3604 or alternatively, solid timber joist, Hyspan® and Hyjoist® series joists can also be used in accordance with a specific engineering design meeting the requirements of AS/NZS 1170.

Floor joist depth to be 200mm minimum provide at 450mm c/c maximum spacing.

Solid blocking for floor/ceiling to wall junctions to be in accordance with NZS 3604 or as per floor joist manufacturer.

Nogs/framing is required at the perimeter of fire rated ceiling to facilitate GIB Fyreline® fixing.

Timber framing treatment to be in accordance with the NZBC Acceptable Solution B2/AS1.

Note: Posi-Strut® floor joists are not suitable for this system.

FLOOR

Secura Interior Flooring
2700 x 600 x 19mm.

FIXING/Jointing

Secura Interior Flooring fixed as per its installation manual. Flooring edges other than tongue and groove must be supported over floor joists.

INSULATION

Acoustic insulation between timber joists. Minimum 9.6kg/m³.

FLOATING FLOOR

Secura Interior Flooring 2700 x 600 x 19mm fixed to James Hardie Acoustic Floor Channel spacing at 450mm maximum centres. Flooring edges other than tongue and groove must be supported over floor channel. Floating Secura Flooring to butt into external/internal walls allowing a gap of 5-8mm. Fill the gap with flexible acoustic sealant.

RUBBER CRADLE

James Hardie Acoustic Rubber Cradle spaced at 450mm maximum centres along the batten.

INSULATION

Acoustic insulation between acoustic floor channel. Minimum 9.6kg/m³.

CEILING LINING

2 x 13mm GIB Fyreline® installed at right angles as specified below to the underside of GIB Quiet Clip® and GIB® Rondo® Metal Ceiling Battens.

FIXING

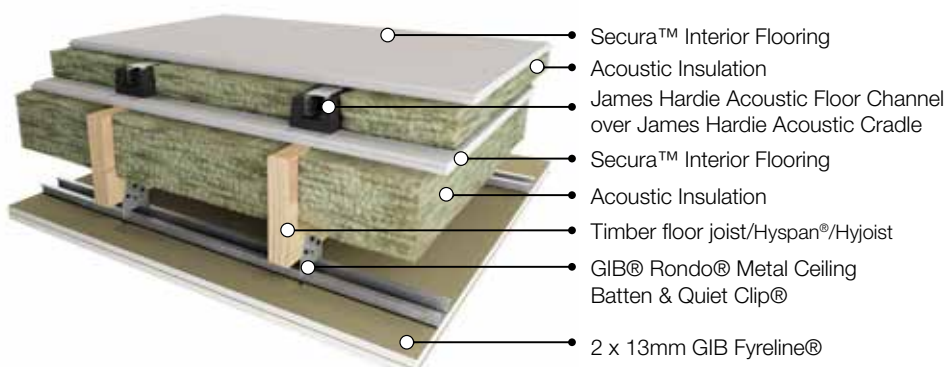
- Secura Interior Flooring to be fixed with self tapping steel screws at 200mm centre around the sheet perimeter and intermediate joists/battens.
- Flooring Fixings to be 12mm from sheet ends and 25mm from t&g sheet joints.

INNER LAYER

- 13mm GIB Fyreline® fixed with 25mm x 6g GIB® Grabber® Drywall Self Tapping Screws.

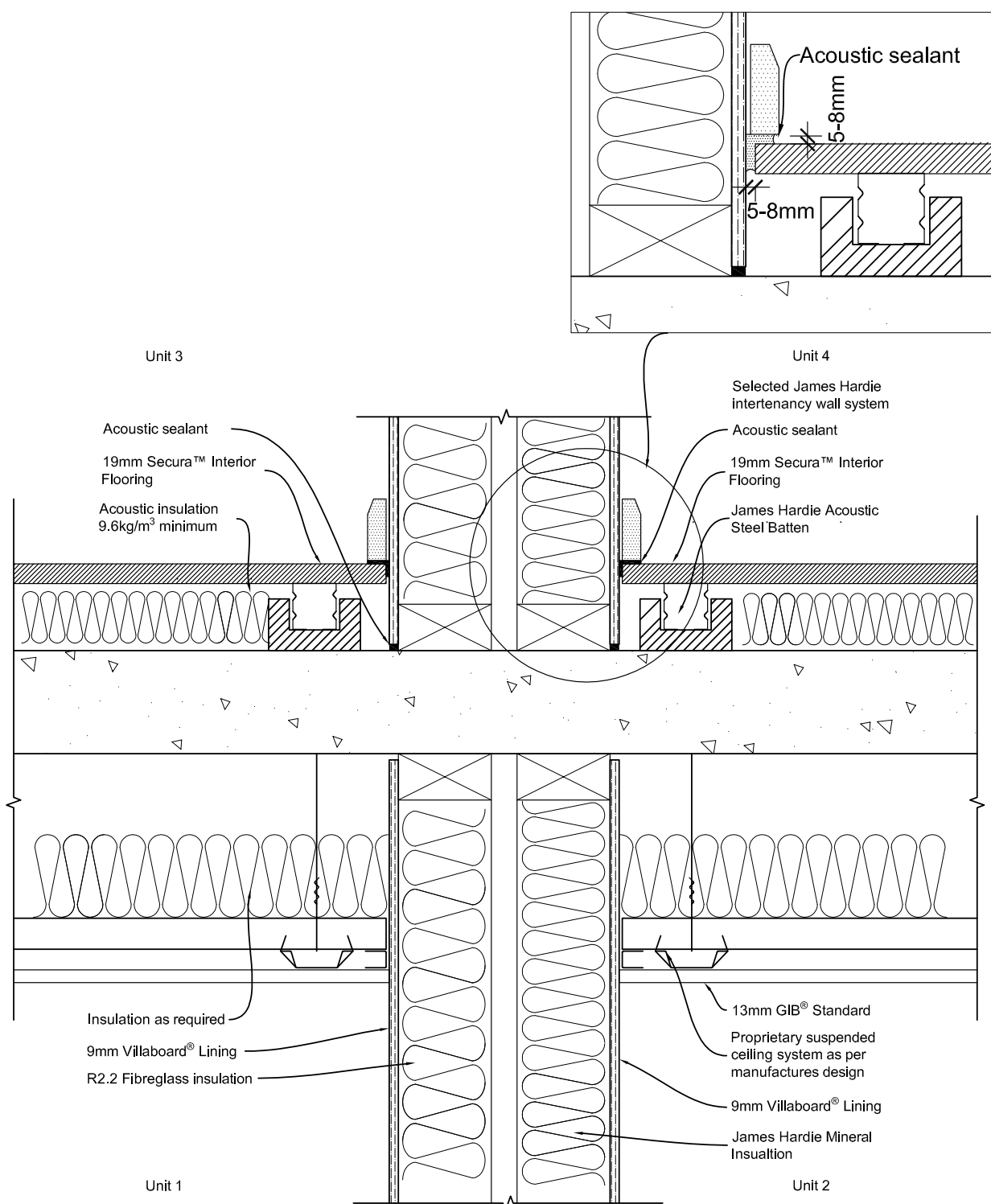
OUTER LAYER

- Fixed with 41mm x 6g screws
- Fyreline® Fixings to be 12mm from board sheet edges and 18mm from sheet end.
- Refer to GIB Fire & Noise system manual for further information.



For further information refer to the clauses in the Fire and Acoustic Design Manual.

Figure 10: Concrete Slab to Timber Intertenant Wall Junction



Notes:

1. Intertenant walls must be full height to the underside of the slab.
2. Fire rating as per SED.
3. Concrete slab as per SED.
4. GIB®Quiet Tie® must be installed every 3rd stud (1.8m) along the length of wall to top plate.
5. Bottom plate to floor joist fixed as per NZS 3604 or SED

STC/IIC

1. STC=65
2. IIC=60

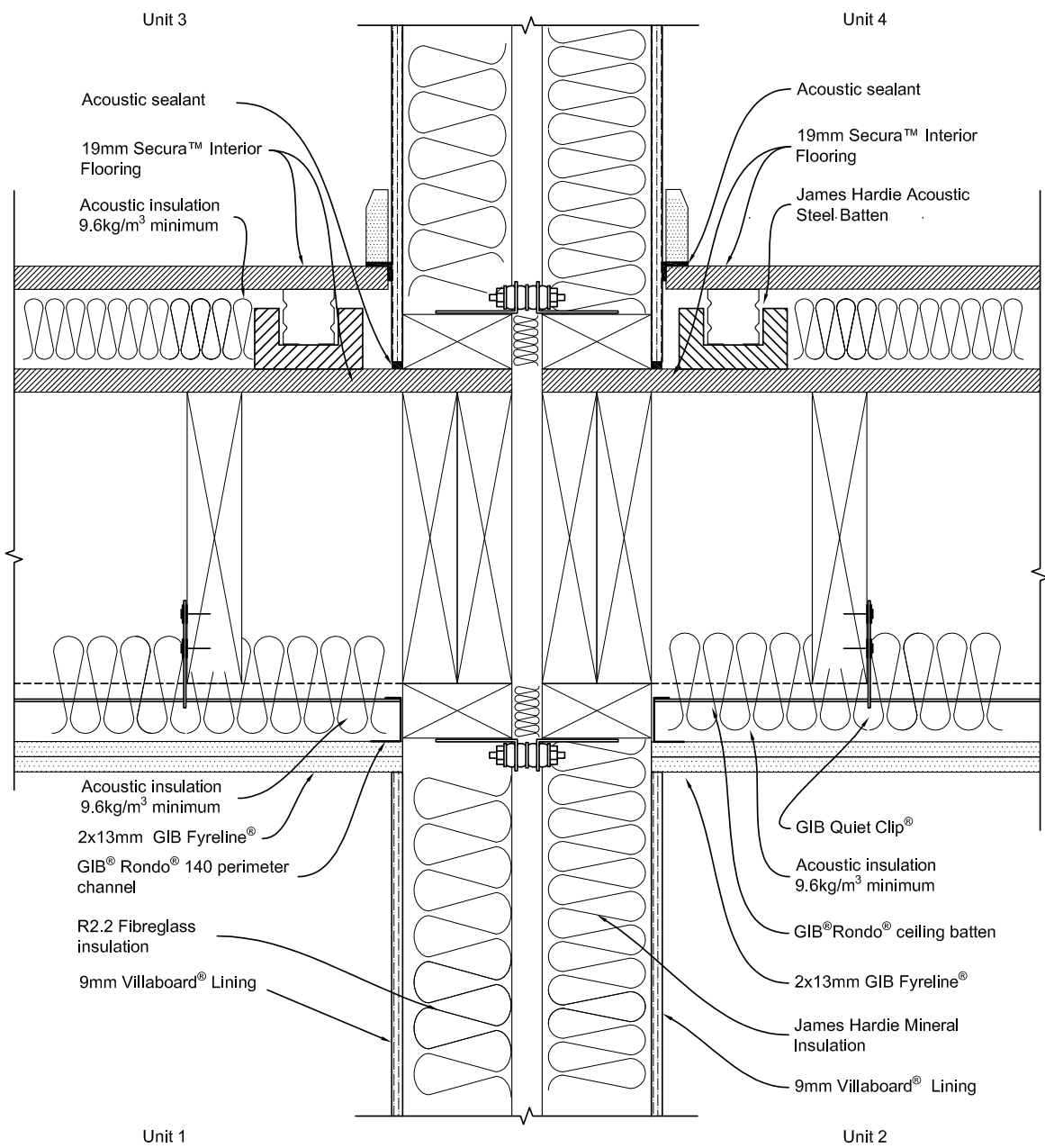
Note:

STC/IIC values are based on 100mm thick concrete.

Key Elevation

Unit 3	Unit 4
Unit 1	Unit 2

Figure 11: Timber Floor to Floor Intertency Wall Junction



Notes:
For joist framing at 90° to intertenancy wall, solid blocking must use used between joists under.

GIB®Quiet Tie® must be installed every 3rd stud (1.8m) along the length of wall to bottom plate and top plate.

Bottom plate to floor joist fixed as per NZS 3604 or SED

Key Elevation	
Unit 3	Unit 4
Unit 1	Unit 2

Figure 12: Split Level Floor to Intertency Wall Junction

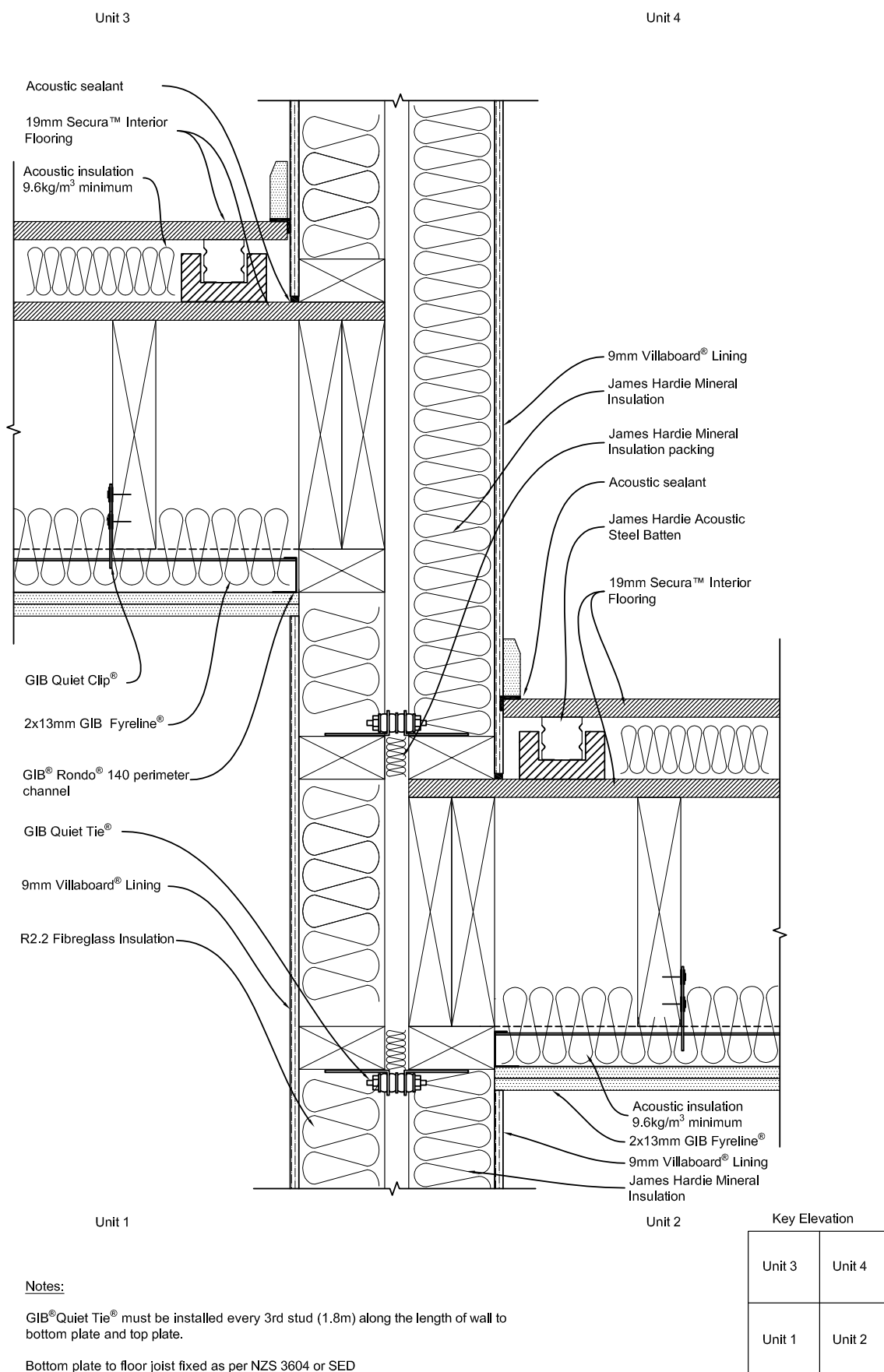
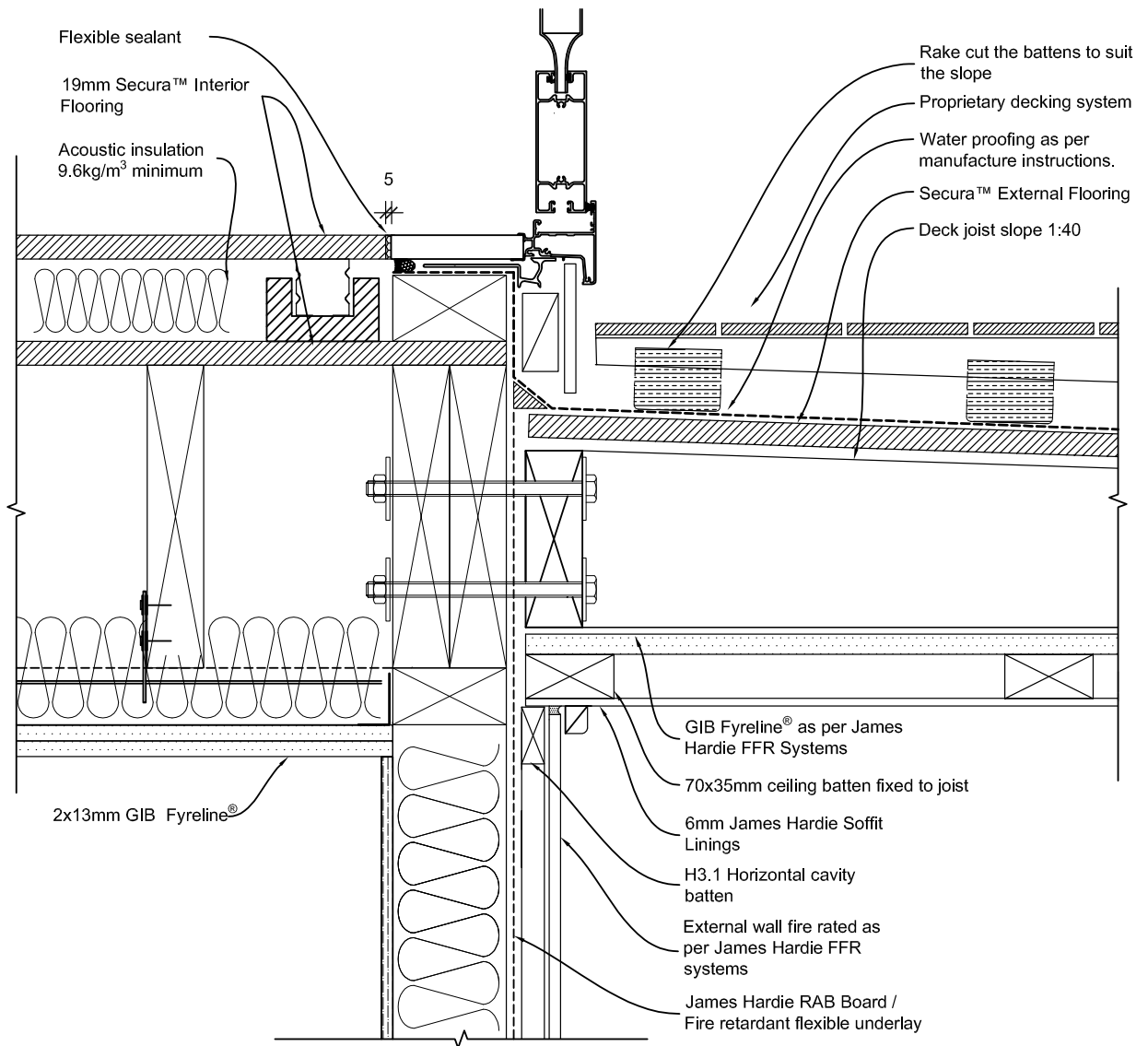


Figure 13: Floor to Deck Junction



Note:

- 1) Deck structure as per NZS3604 or SED.

14 Product information and accessories

Table 2

Accessories/tools supplied by James Hardie		
Accessories	Description	Quantity/size (approx)
	James Hardie Mineral Insulation	600 x 800 x 90 mm – 2.4m ² per bale Code: 304904
	James Hardie Acoustic Floor Channel	40 x 42 x 1800mm Code: 305922
	James Hardie Acoustic Cradle	Code: 305920
	James Hardie Flooring Shims	Code: 305925

Claddings or linings as per the relevant James Hardie product literature