Steel beam

Shear Connector

Dimond HiBond 55 Sheet

Ductile reinforcing mesh or bars

Negative reinforcement or saddle bars to specific design

1xH12 Rebar shall be placed central to the void with 25mm bottom cover to replace the missing HiBond sheet

Where the steel beam set out does not suit the HiBond module, a gap of up to 200mm can be formed using the following methods:

- Use timber formwork
- Use a sheet metal flashing EX 1.15mm Z275 G250. Fix to the HiBond sheet with 10g-16x16mm Tek screws at 350mm centres. Fix to the steel beam with either series 500 12g Tek screws or low velocity powder actuated piston driven pins at 350mm centres. Full length support will be required if the above fixing is not achieved or if a flat soffit is required.

50mm Minimum seating recommended. Fastened at 1m centres

Longitudinal reinforcement to specific design if required for composite beam action to min. cover requirements

Steel beam

Hibond 55 Structure

Side Lap Bearing On Steel Beam Option 1