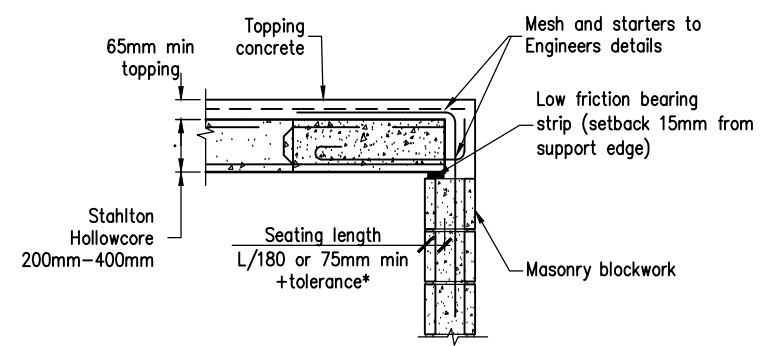
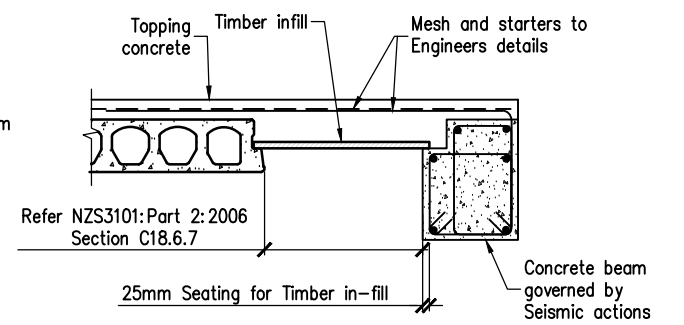


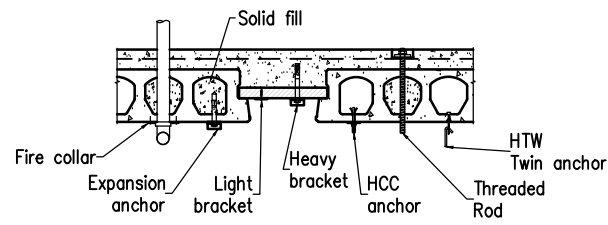
CAMBER (HOG) ALLOWANCE



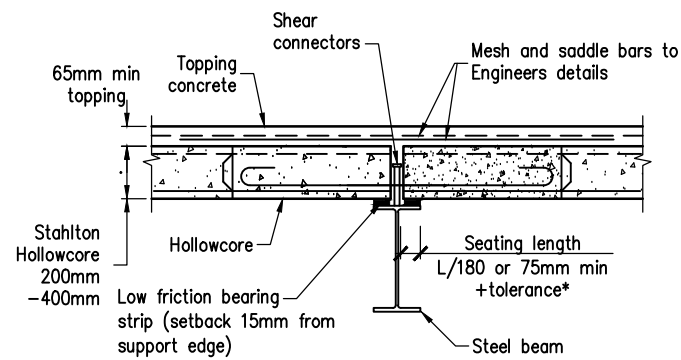
SECTION 1
HOLLOWCORE SEATING ON BLOCKWALL



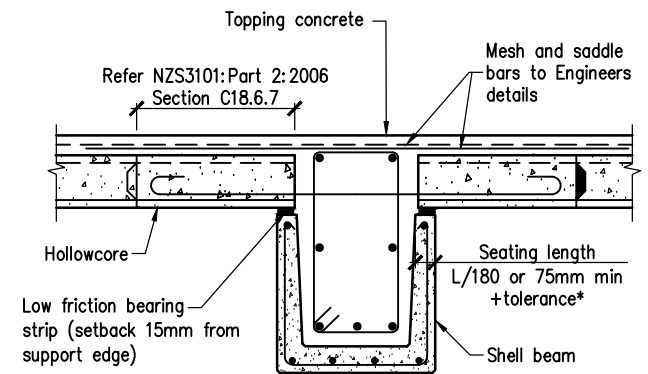
SECTION 2
HOLLOWCORE SEATING ON CONCRETE BEAM



FIXING TO HOLLOWCORE



SECTION 3
HOLLOWCORE SEATING ON STEEL BEAM



SECTION 4
HOLLOWCORE SEATING ON SHELL BEAM

Hollowcore Notes

- 1: Concrete Strength
 - (A) Concrete strength is to be a minimum of 45MPa at 28 days, Release Strength to be 28MPa min.
- 2: Topping
 - (A) Topping concrete is to be a minimum of 25MPa at 28 days, or as specified by the engineer and a minimum of 65mm thick.
 - (B) Topping reinforcing as per engineers' drawings.
- 3: Seating
 - (A) It is recommended units shall be seated on McDowell bearing strip.
 - (B) End Seating
 - Greater of 85mm or span/180 + 15mm typical on concrete, 75mm typical on steel.
 - If under the greater of 75mm or span/180 on concrete or less 15mm on steel please consult Stahlton.
- 4: Tolerances
 - (A) Length

Units up to 6m long	+/- 8mm
Units 6 to 12 metres long	+/-15mm
Units over metres long	+/-20mm
 - (B) Width

Standard Hollowcore units	+/- 5mm
---------------------------	---------
 - (C) Height and other sectional dimensions

Refer to NZS 3109:1997 for the above tolerances.	+/- 5mm
--	---------
 - (D) Position of cut outs

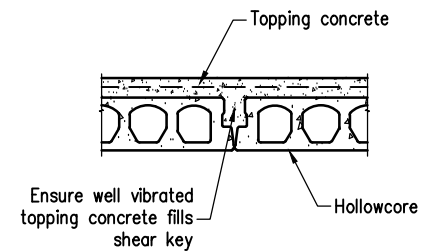
Size of cut outs	+/-50mm
------------------	---------
- 5: Handling
 - (A) Units shall be stacked for storage or transport on timber dunnage positioned 300mm from the ends.
 - (B) Hollowcore is designed to be handled at 300mm from the ends of the units and placed using fabric or metal straps slung in a vertical orientation by way of a spreader or lifting beam.

- 6: Temporary Propping
 - (A) Temporary propping is shown on the layout plan thus (required pre camber in millimetres). Props (0mm) Props should be in place before landing of units.
 - (B) The contractor is to design a suitable temporary propping system capable of supporting the precast units plus all construction loads.
 - (C) Props are to remain in place until topping concrete has reached 14MPa
- 7: Dimensions
 - The contractor is to check and confirm dimensions of all precast units and sign approval for manufacture.
- 8: Design
 - (A) For further sectional and reinforcing details see engineers drawings.
 - (B) Design loads as shown on drawings.
- 9: Fire Ratings

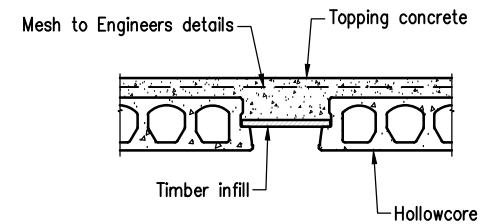
FRR equals 1.5 hours

- 10: Weatherproofing
 - The contractor shall ensure that all weatherproofing details, including chases, drip grooves, steps, falls, water stops, watertight membranes, etc. are adequate for their purpose.
- 11: Drainage
 - All units to have drainage holes at end of units to every core.
- 12: Surface Finish

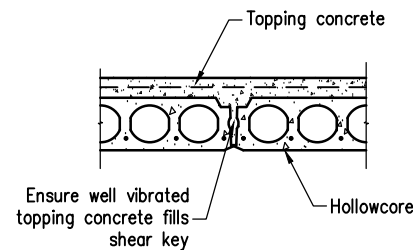
Top	Light Broom Finish
Bottom (Mold Face)	F4
- 13: Penetrations
 - Floor penetrations for drainage fittings, service ducts, pipes, conduits etc shall be positioned to miss prestressed strands. Contact Stahlton for guidance if in doubt.
- 14: Spaced Hollowcore with Timber Infill's
 - Each piece of timber must be inspected by the person installing the timber infill's. If there are any knots or cracks or other weaknesses across more than 1/4 of the width of any board, then that board must not be used as a timber infill.



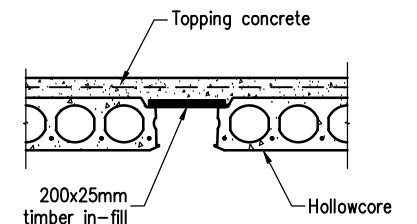
SECTION 5
HOLLOWCORE ZERO SPACING (ECHO AKL)



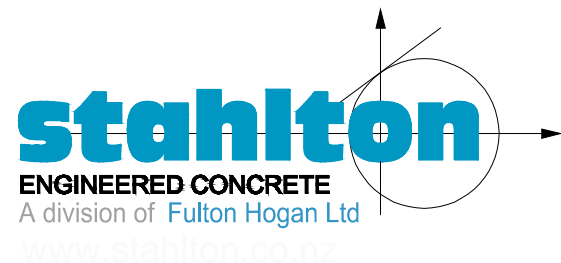
SECTION 6
HOLLOWCORE SPACED (ECHO AKL)



HOLLOWCORE ZERO SPACING (ELEMATIC CHC)



HOLLOWCORE SPACED (ELEMATIC CHC)



Drawn by : PvdM	Rev : A	Date : 16-02-2016	Dwg: STANDARD HOLLOWCORE DETAILS
Check by :	Scale : 1:40	Hollowcore standards	