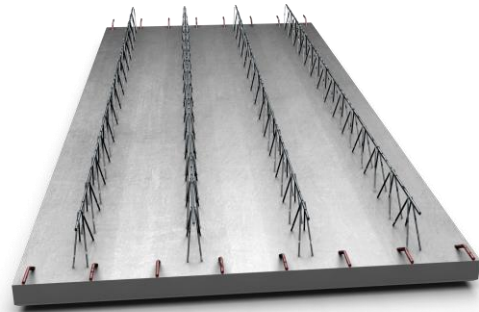


- **Product Name**

Omnia Slab [70mm thick]

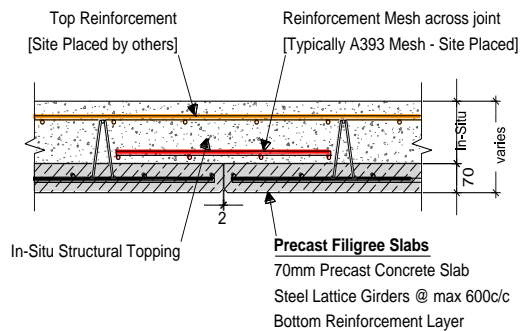
- **Product Description**

The Keegan Precast Ltd. pre-cast concrete floor system is designed in reinforced concrete and cast as a 70mm thick concrete Omnia slab. Our Omnia/Filigree method of concrete deck construction can be applied anywhere conventionally poured-in-place concrete is specified. Any strength requirements needed for poured-in-place construction can be readily met.

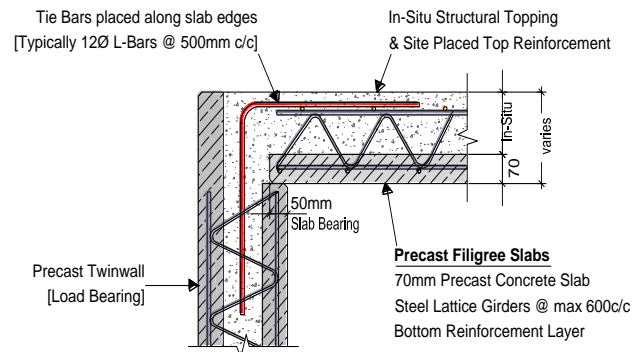


- **Manufacturing**

Single panel sizes are to be up to a maximum width of 3.0m, a standard width would be kept to 2.0m as this suits the width of the lorry beds during transport. The length is restricted either by, constraints placed on Keegan Precast Ltd by the main contractor design team for the depth of the units, or that the maximum diameter of bar able to be placed automatically as part of the factory process is 14mmØ.



Typical Section thru Slab



Section at Slab Edge

Generally we have assumed any reinforcement cast into the floors does not exceed 13kg/m<sup>2</sup> in total for the bottom and top layers of steel. The underside of the units as installed will be the soffit of the final ceiling and will be in a steel mold finish, Class C (Paint Ready) with 10x10mm chamfer to all exposed edges. The top of the pre cast units will be roughened to accept the structural topping.

- **Site Erection**

Slab units arrive on site with a longitudinally placed mesh girder set in the concrete to allow the direct placement of the top mat of fabric/bars to complete the slab reinforcement. In the temporary case before the Insitu topping has been placed the units require propping from below at maximum 1.5m centers. Pre-formed openings in the slab can be incorporated at the design stage. No openings are to be retro cut without the prior written approval of Keegan Precast Ltd. Any cutting not approved in advance and in writing by Keegan Precast Ltd. may result in the required design loadings being reduced.