TYPICAL SPLICE DETAILS (PANEL TO PANEL JOINTS)

Splice bars
T10@300 600mm length
or BRC B5 600mm width

SECTION
- Half Slab
- Seal joints properly

ISOMETRIC
- 600
- Seal joints properly

NOTE:
- Using BRC, the main bars of mesh to be perpendicular to the span direction
- These splice bars details are for maximum total slab thickness of 200mm (Thicker slabs require more splice bars)

Z-SERIES PCF HALF SLAB

TYPICAL PROP ARRANGEMENT PLAN VIEW

FOR FURTHER INFORMATION, PLEASE CONTACT US ... YOUR COMPLETE PARTNER

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PARTNERSHIP, INNOVATION, QUALITY, EXCELLENCE
PERMANENT CONCRETE FORMWORK
World Class Infrastructure, Worldwide Impact
PCF Half Slab panels are typically 50mm to 65mm in thickness and 2400mm in width. Prepared to the required span, the panels are laid between supports and used as PCF for an in-situ concrete topping. Steel bars placed in the PCF Half Slab panels act as the reinforcement to resist flexural sagging.

Beside the loose steel bars, lattice girders are also commonly provided inside the pre-cast panels in order to increase bond between pre-cast and in-situ concrete, provide the pre-cast plank with vertical stiffness in the temporary condition, contribute to the flexural reinforcement and ease of lifting of the pre-cast panels.

The triangulated lattice girders are manufactured using automatic production system. The steel sizes and spacing of lattice girders may vary; depending on the requirement.

The PCF Half Slabs provide attractive economical solutions for any size of construction projects. Taking into account of the benefits which include, among many others:

- High quality smooth surface from steel moulds
- In-situ structural concrete topping and in-fill forming monolithic structures
- Eliminates or greatly reduces props
- Eliminates conventional formworks
- Cleaner site with less construction debris
- Reduces requirement of site workers and materials - about 50% of structural concrete and 100% of bottom steel reinforcement are provided in Half Slab panels
- Pre-cast panels provide sturdy and safe work platform
- Incorporated M&E block-outs enable efficient installation of services
- Non pre-stressed construction permits design alterations to be accommodated; the costs of PCF Half Slab solutions are comparable with conventional method. Furthermore, by utilizing our pre-cast solutions, you will complete your projects ahead of schedule and the owners receive return on investment sooner.