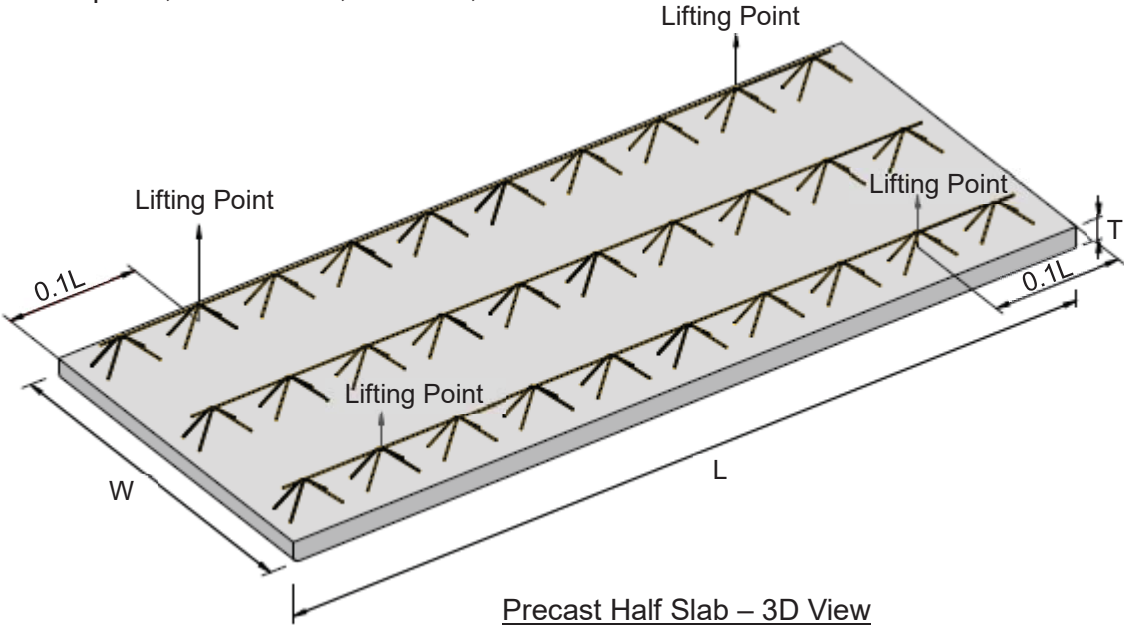


PRECAST HALF SLAB - (CONTINUOUS SUPPORTED)

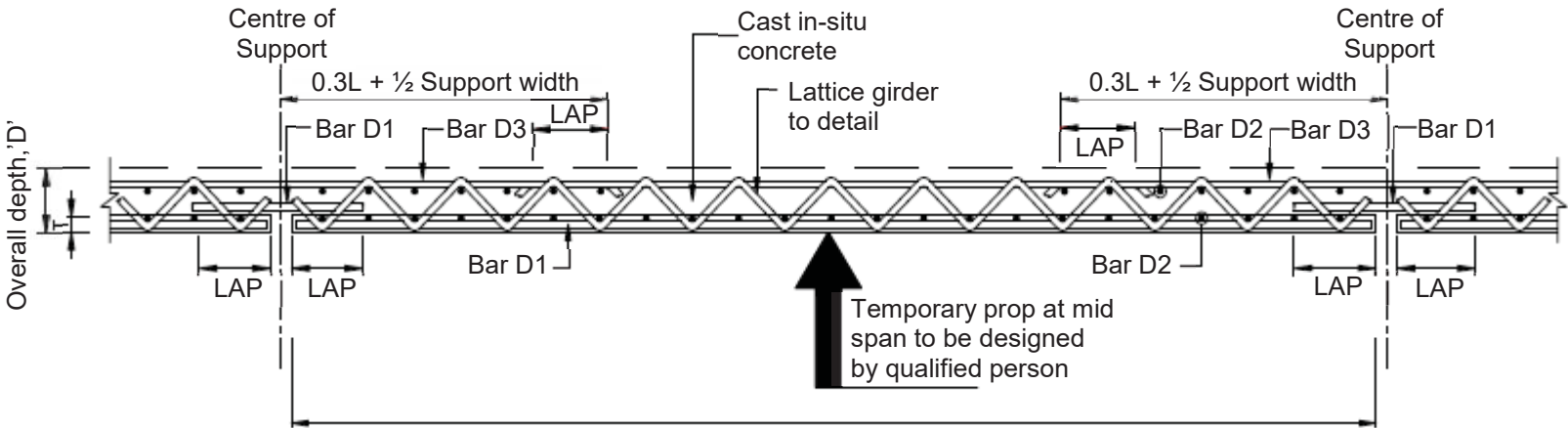
Precast half slab thickness, T = 65mm AND 75mm
Width of panel, W = 600mm, 1200mm, AND 2400mm



Precast Half Slab – 3D View

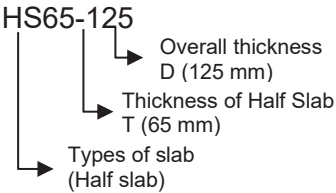
Lap Schedule

Reinforcement Bar D1	Length (mm)
10	400
12	500



Slab Section
Reinforcement Arrangement

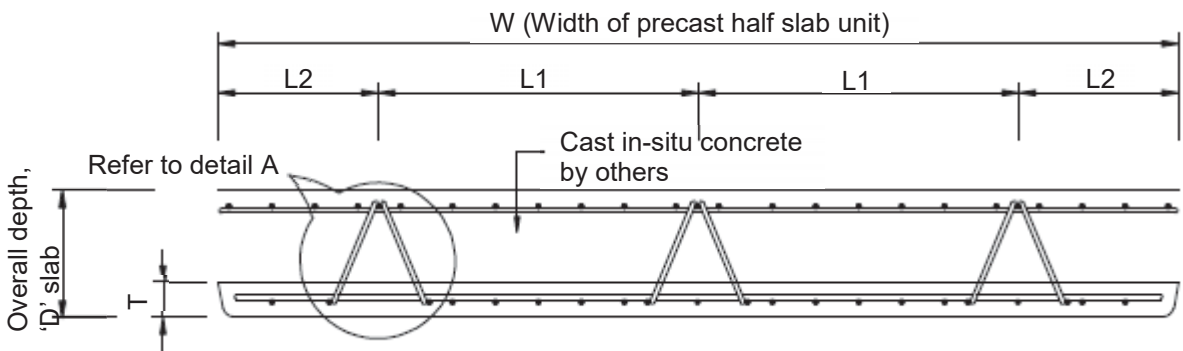
CODE OF COMPONENTS



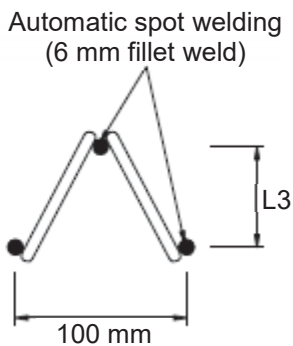
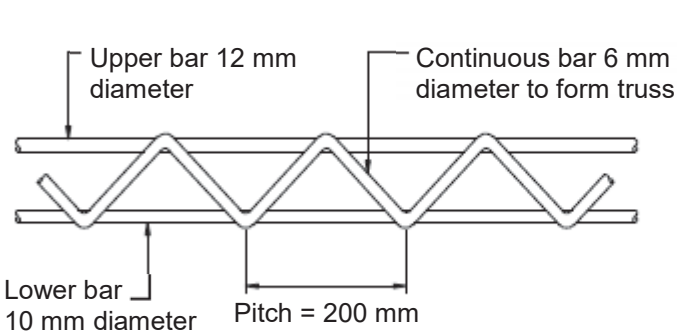
Specification

- a. Minimum concrete grade C35 (precast and cast in-situ concrete).
- b. Concrete cover = 25mm
- c. Fire resistance = 2 hours.
- d. Characteristic of steel reinforcement
High tensile (T) $f_y = 460 \text{ N/mm}^2$
Mild steel (R) $f_{yv} = 250 \text{ N/mm}^2$
- e. Load should be uniformly distributed.
- f. The application of concentrated load area on precast element shall be referred to competent person.
- g. The above analysis is based on one way spanning slab, continuous and intermediate span design.
- h. The connection system between precast component and cast in-situ structure shall be referred to competent person.
- i. The design has been prepared in accordance with BS 8110 (1997).

PRECAST HALF SLAB - (CONTINUOUS SUPPORTED) DETAILS



Section



Typical lattice girder detail

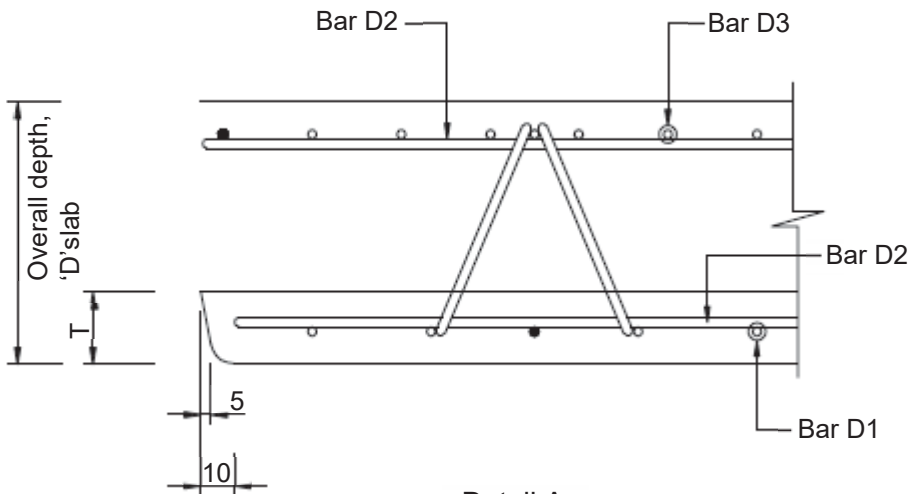
Note:
1) The lattice girder and chamfer detail shall be fabricated to manufacturer's details.

Schedule 1: Lattice girder L1 and L2

W (mm)	L1 (mm)	L2 (mm)	Lattice Girder Provided
600	300	150	2
1200	450	150	3
2400	600	300	4

Schedule 2: Lattice Girder 3

Overall Depth 'D' (mm)	L3 (mm)
125	65
150	90
175	115
200	140



Detail A

Table 27

For span **L=3m** (the data shall applies for span length, L equal or less than 3m subjected to moment and shear capacity required)

Code of Component	Dimension			Approx Selfweight (Precast) kN/m ²	Uniformly Distributed Load (w) kN/m	Max Moment M _u	Max Shear V kN/m width	Reinforcement		
	Width W mm	Precast Half Slab Thickness T (mm)	Overall Depth D mm			Mid Span & Support		Bar D1	Bar D2	Bar D3
						kN/m width				
HS65-125	W	65	125	1.56	21.0	16	33	T10-150 c/c	T10-250 c/c	T10-150 c/c

For reinforcement arrangement refer to page 125 – page 126

Table 28

For span **L=4m** (the data shall applies for span length, L equal or less than 4m subjected to moment and shear capacity required)

Code of Component	Dimension			Approx Selfweight (Precast) kN/m ²	Uniformly Distributed Load (w) kN/m	Max Moment M _u	Max Shear V kN/m width	Reinforcement		
	Width W mm	Precast Half Slab Thickness T (mm)	Overall Depth D mm			Mid Span & Support		Bar D1	Bar D2	Bar D3
						kN/m width				
HS65-150	W	65	150	1.56	21.0	30	47	T10-100 c/c	T10-250 c/c	T10-100 c/c
HS65-175	W	65	175	1.56	21.0	30	47	T10-150 c/c	T10-250 c/c	T10-150 c/c

For reinforcement arrangement refer to page 125 – page 126

Table 29

For span **L=5m** (the data shall applies for span length, L equal or less than 5m subjected to moment and shear capacity required)

Code of Component	Dimension			Approx Selfweight (Precast) kN/m ²	Uniformly Distributed Load (w) kN/m	Max Moment M _u	Max Shear V kN/m width	Reinforcement		
	Width W mm	Precast Half Slab Thickness T (mm)	Overall Depth D mm			Mid Span & Support		Bar D1	Bar D2	Bar D3
						kN/m width				
HS75-200	W	75	200	1.8	21.0	49	63	T10-100 c/c	T10-250 c/c	T10-100 c/c

For reinforcement arrangement refer to page 125 – page 126