

EASY SLAB

SBS SLAB

Load-Span Guidance Table

Imposed Load (KN/M ²) Span(m)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
3m	✓	✓	✓	✓	✓	✓	✓	✓
3.5	✓	✓	✓	✓	✓	✓	✓	✓
4.0	✓	✓	✓	✓	✓	✓	✓	
4.5	✓							

Load-Span Guidance Table

Imposed Load (KN/M ²) Span(m)	1.5	2	3.0	4	5	6
3m	I	I	I	I	I	I
3.5	I	I	I	I	I	II
4.0	I	I	I	II	II	II
4.5	I	II	II			
5.0	II	II				

Note:-

Above Chart to be used as a general guidance only. Always consult ICC Technical staff for your Requirements.



INTERNATIONAL CONSTRUCTION CONSORTIUM PVT LTD

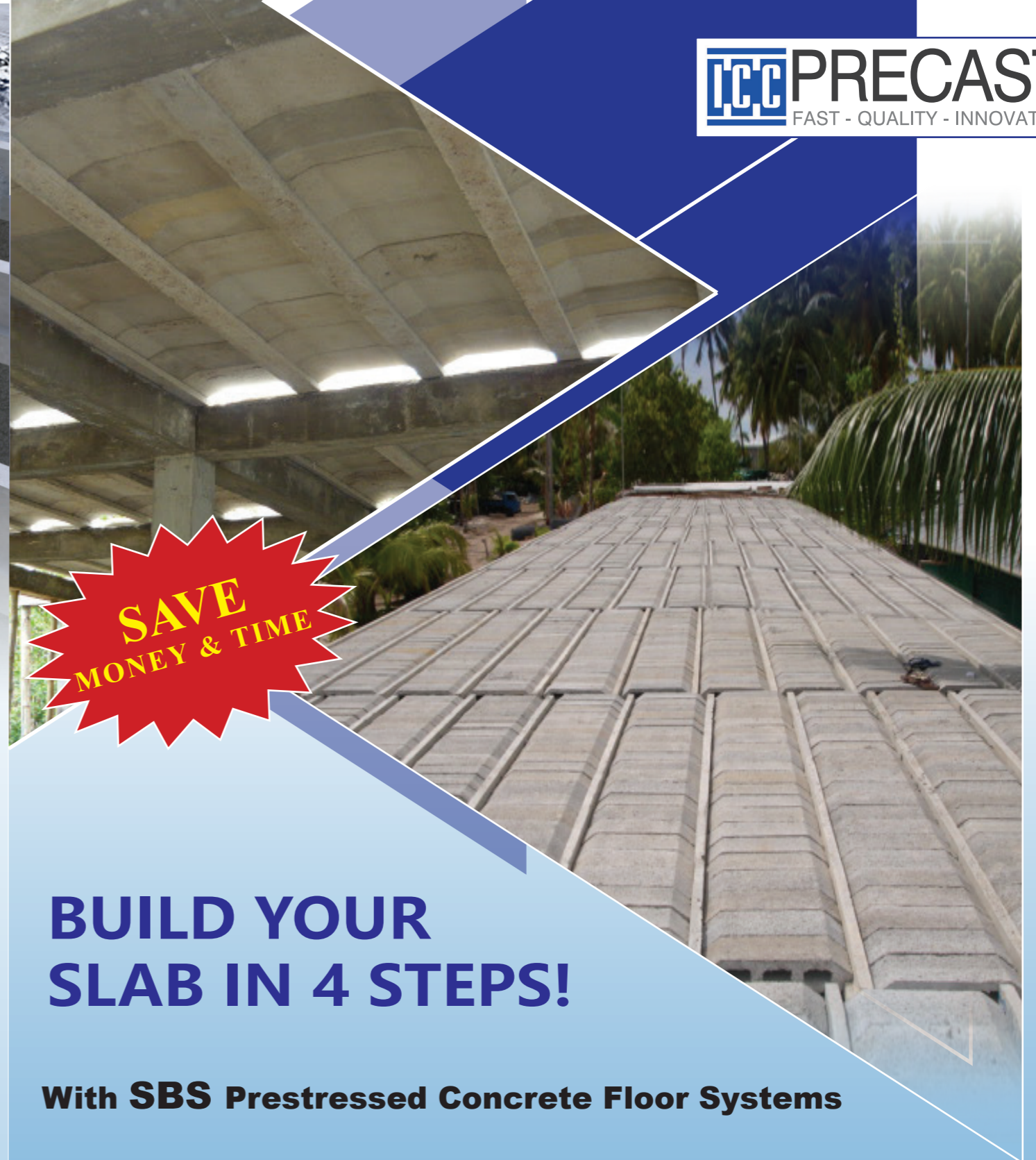
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SAVE MONEY & TIME

BUILD YOUR SLAB IN 4 STEPS!

With SBS Prestressed Concrete Floor Systems

By Simply
 PLACING
 IN FILLING
 LAYING
 TOPPING

Beams on Walls
 With masonry Blocks
 Mesh Reinforcement
 off with Concrete Screed

- High Quality
- Less Labour
- Cost Effective
- No Formwork
- Fast Construction

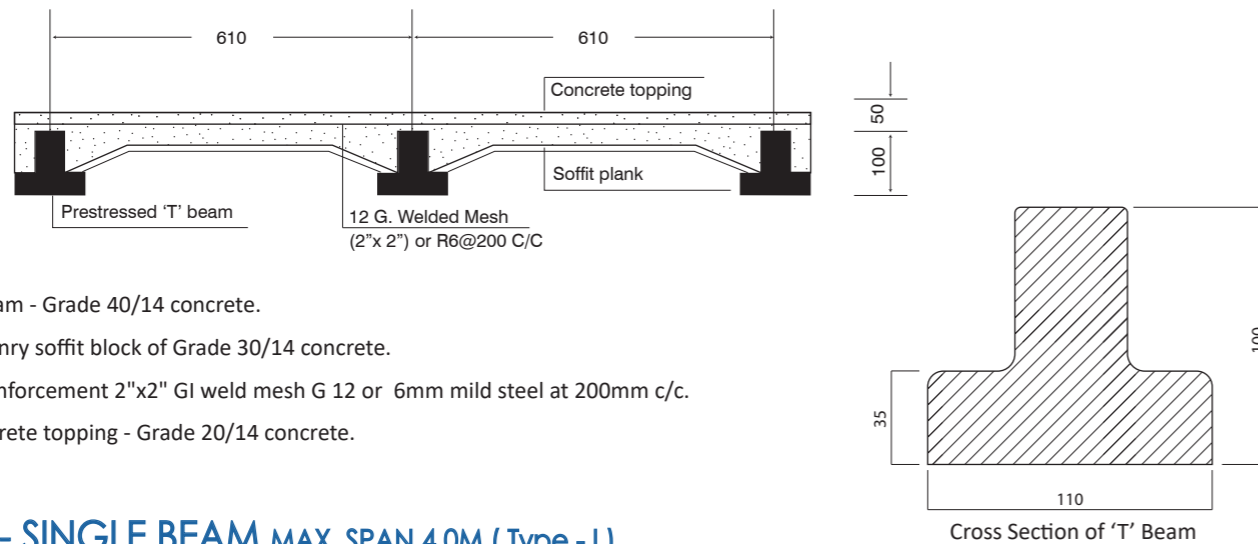
SBS - SUSPENDED BEAM SLAB

ADVANTAGES:

- Considerable cost saving on the slab compared to the conventional cast in situ method.
- The system is easy and does not require skilled labourers for installation.
- No formwork is necessary for the slab and the soffit blocks once in place offers an immediate working platform for further construction.
- Rapid method of construction due to the use of precast elements and the non-use of formwork.
- The ducts in the soffit blocks could be used for services.
- Provision of double beams or continuous beams, when heavy partitions or loadings are to be carried.
- The system does not depend on prior knowledge of site conditions.
- For two storied buildings, only a 225mm wide brickwork to support the beams is necessary.

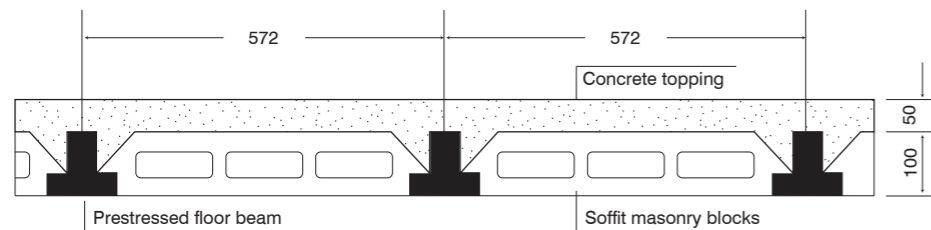
The prestressed slab system is made up of four components, consisting of:

EASY SLAB - SINGLE BEAM MAX. SPAN 4.5M

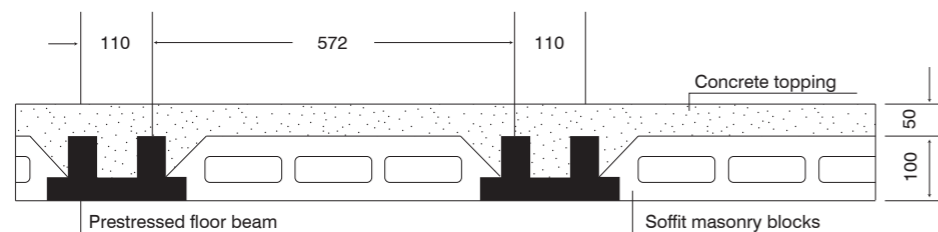


- Prestressed beam - Grade 40/14 concrete.
- Concrete masonry soffit block of Grade 30/14 concrete.
- Distribution reinforcement 2"x2" GI weld mesh G 12 or 6mm mild steel at 200mm c/c.
- Structural concrete topping - Grade 20/14 concrete.

SBS SLAB - SINGLE BEAM MAX. SPAN 4.0M (Type - I)

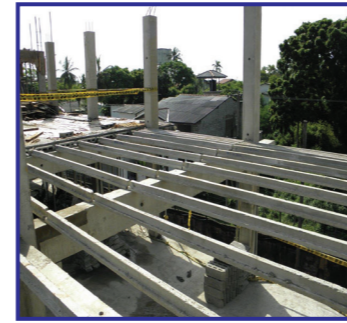


SBS SLAB - DOUBLE BEAM MAX. SPAN 5.0 M (Type - II)



- Prestressed beam - Grade 40/14 concrete.
- Concrete masonry soffit block of Grade 10/10 concrete.
- Distribution reinforcement 2"x2" GI weld mesh G 10 or 6mm mild steel at 100mm c/c.
- Structural concrete topping - Grade 20/14 concrete.

Line propping at mid span prior to placing soffit blocks, and removing after 7 days.



- If the slab is laid on a load bearing wall (Brick/Block), a concrete (Grade 25) stiffener has to be done with 100mm height to ensure a proper distribution of load.
- If the slab is laid on reinforced concrete beams or steel guarders T beam can be placed directly on top.



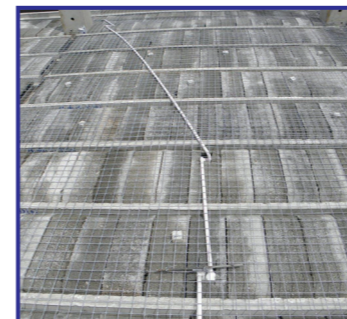
- Lay T Beams at specified intervals.
- Each T beam should have 100mm end bearing.
- All T beams should be properly propped at the center before the placement of soffit planks / Blocks.



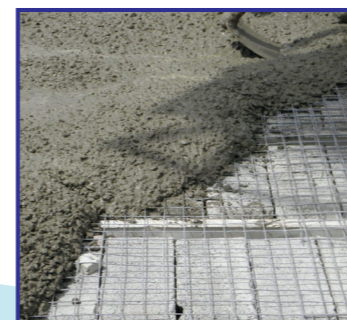
- Place the soffit planks / Blocks between the laid T beams.
- Do not allow more than two workers on top of the T beams.
- Make sure to avoid walking on the soffit planks / Blocks



- There are special beams designed to use for cantilevered portion up to 1000mm.



- Use a clear cover to reinforcement of 20mm on top of the soffit block /soffit plank & side form work.
- Place the specified 2"x2" GI welded mesh or 6mm mild steel net.



- Pour the concrete (Grade 25) at 50mm thickness and compact well.
- Cure the in-situ concrete continuously with water for seven days.