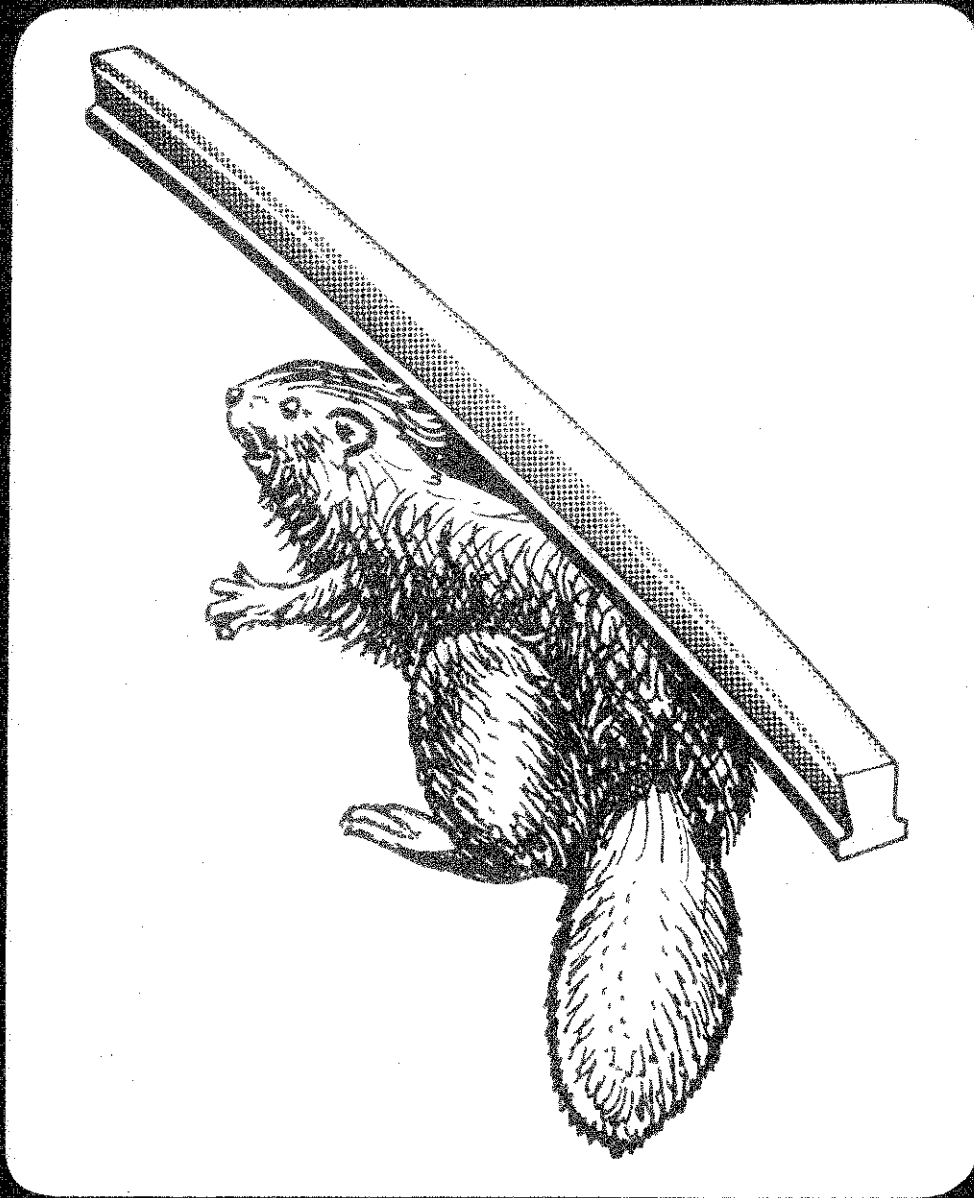


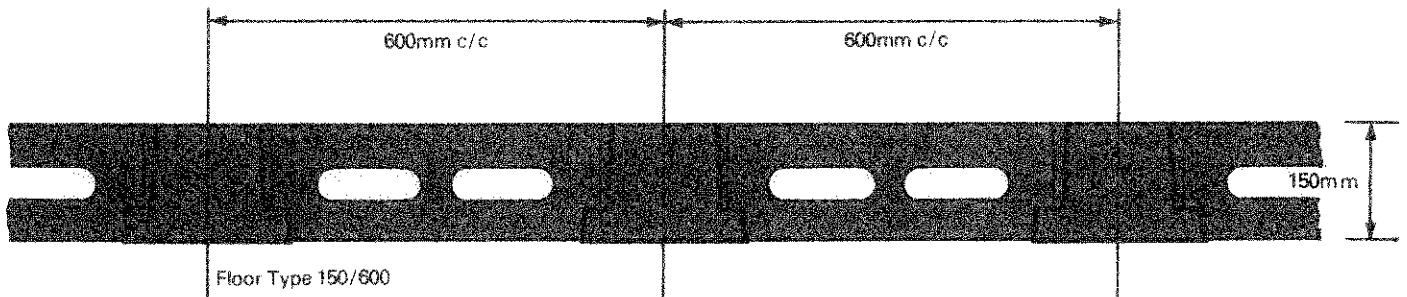
BEEVER CONCRETE



Beever Concrete Limited

Design Features

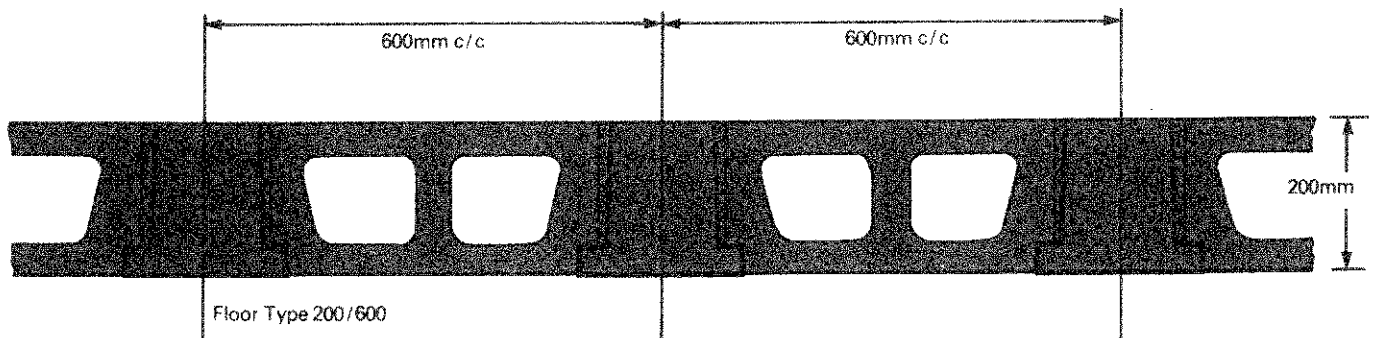
- Planning Flexibility** - Designed by our Engineers to suit your requirements
- Services** - Complete freedom for position of holes through the floor.
- Depths** - 150mm or 200mm
- Self Weight** - 2.16KN/m² minimum, to comply with sound insulation regulations.
- Top Surface** - Suitable for Floated Screed or Timber.
- Soffit** - Suitable for Plaster or Timber Inserts, can be cast in to accept Battens and Plasterboard
- No Propping** - For minimum construction time.
- Rapid Fixing** - By a Beever Team or by General Contractors.
- Delivery** - Throughout Great Britain.
- Design Services** - By our Chartered Engineers.



Effective spans for various superimposed loads

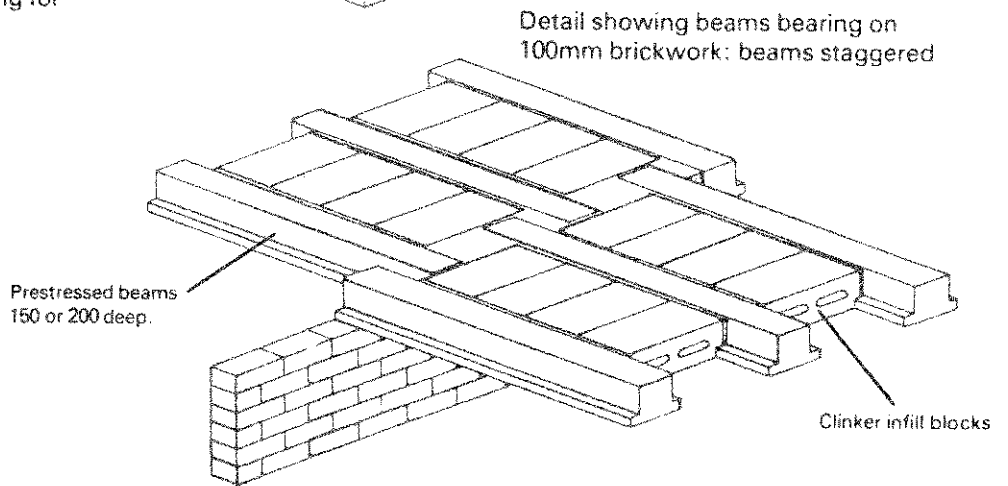
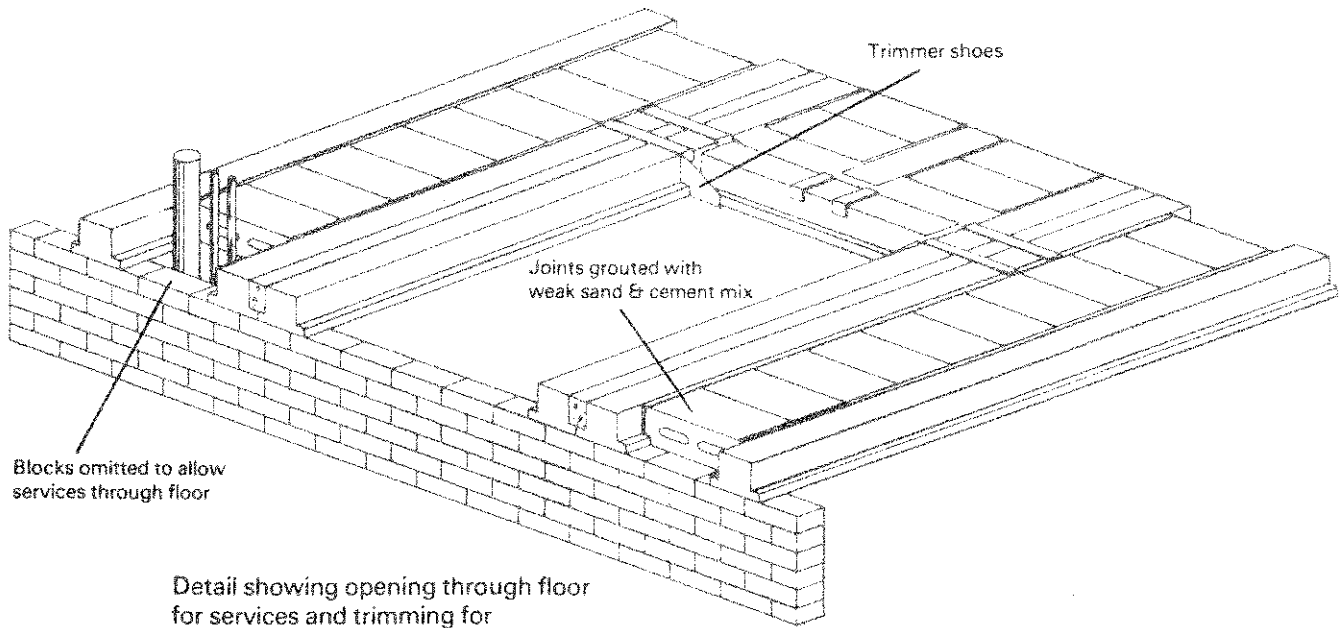
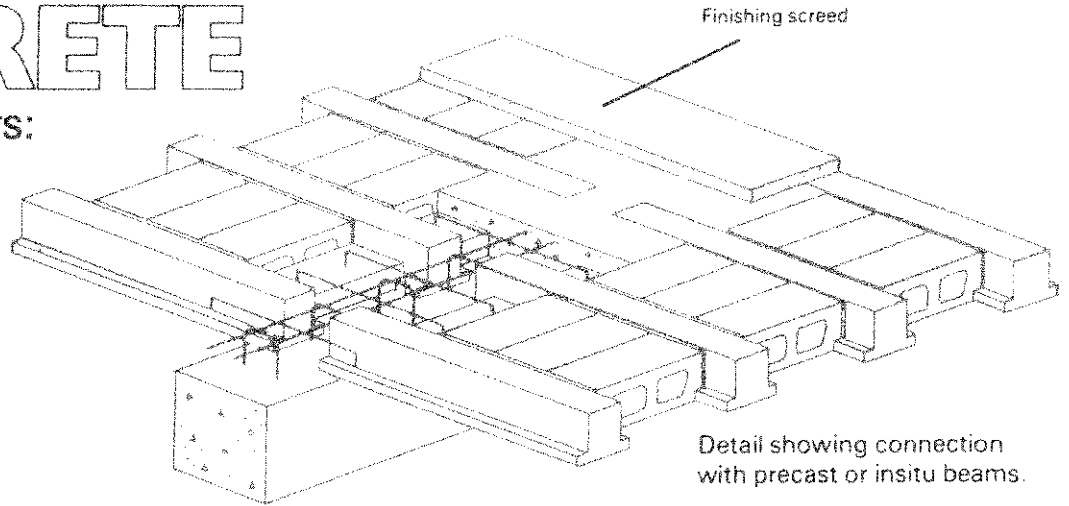
Floor Type	Self Weight KN/m ²	Effective Roof Spans (m)		Effective Floor Spans (m) for Various Superimposed Loadings (KN/m ²)								
		0.75	1.50	1.50	2.00	2.50	3.00	3.50	4.00	5.00	7.50	10.00
150/600	2.16	6.05	5.58	5.37	5.12	4.90	4.70	4.53	4.37	4.11	3.61	3.26
150/D/820	2.54	7.00	6.58	6.26	5.98	5.74	5.53	5.34	5.16	4.86	4.29	3.88
200/600	2.24	7.70	7.10	6.82	6.50	6.23	5.99	5.77	5.57	5.24	4.61	4.16
200/D/820	2.90	8.67	8.08	7.76	7.44	7.15	6.90	6.67	6.47	6.10	5.41	4.91

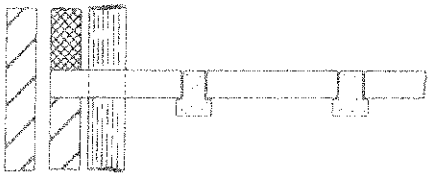
ALLOWANCE FOR FINISHES 1.3 KN/m²



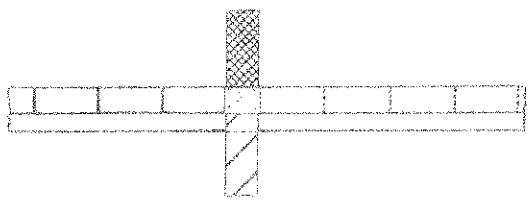
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Pre-stressed Floors:
typical details

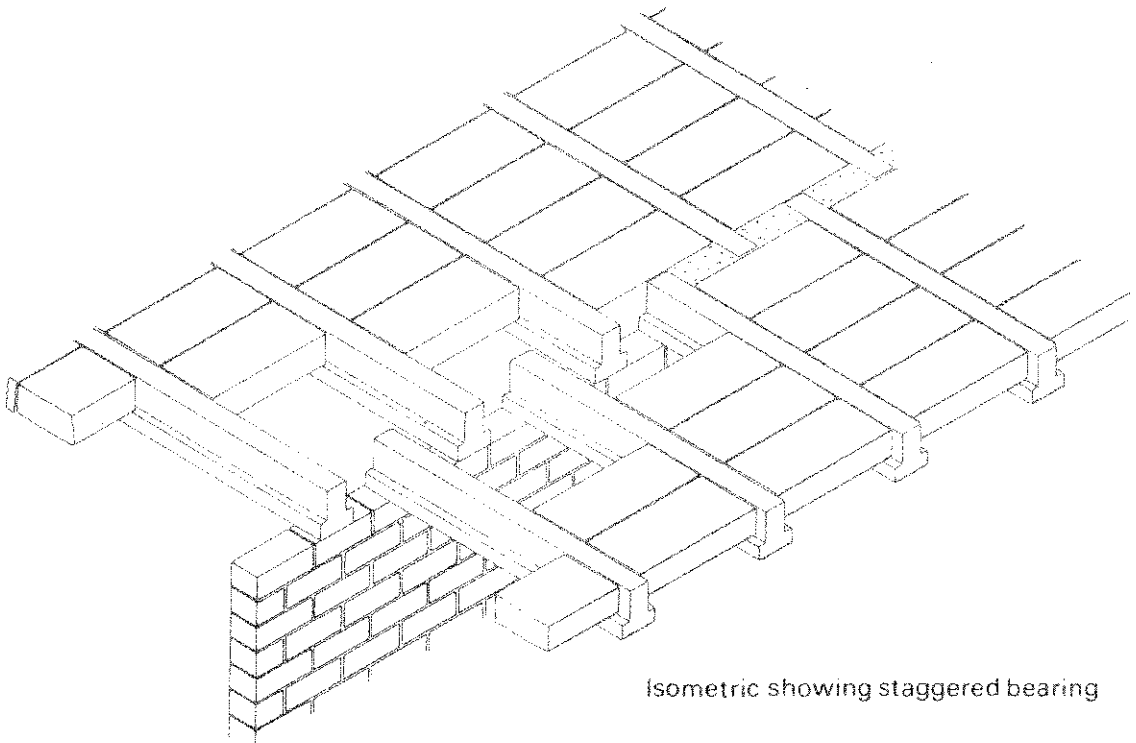




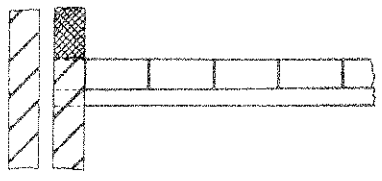
Section showing services through floor.



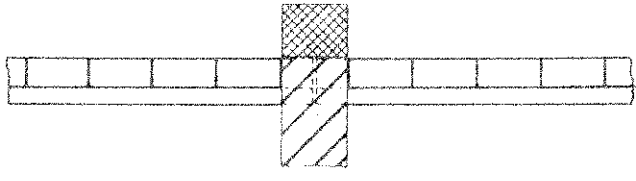
Section showing staggered bearing



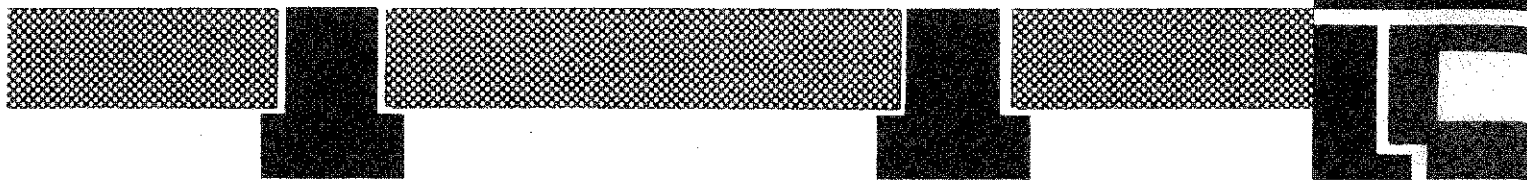
Isometric showing staggered bearing



Section showing end bearing



Section through 215 int. wall



ARENALITE

House floor

A new concept in prestressed concrete especially for suspended ground floors. Using a suspended ground floor eliminates hardcore or backfill and is now mandatory for an infill depth greater than 600mm. It is a fast, economical easily fixed system enabling the building industry to meet exact standards at no extra costs. The N.H.B.C. state that over 50% of annual claims are related to floor failures, resulting in many millions of pounds wasted.

This floor is manufactured in conjunction with Plasmor Ltd and their 440 x 215 x 100 Stranlite 4.2 N/mm² blocks are approved infill blocks for Arenalite house floor system.

Beams 520%

Maximum clear spans for loading as follows self weight + superimposed load (1.50 Kn/m²) + an allowance as indicated for finishes + partition to suit specific requirements.

Allow for finishes + Partition



Kn/m ²	1.00	1.50	2.00	2.50	3.00	3.50	4.00
Clear Span	4.100	3.900	3.700	3.500	3.350	3.200	3.100

Beams 295%

Maximum clear spans for loading as follows self weight + superimposed load (2.01 Kn/m²) + an allowance as indicated for finishes + partition to suit specific requirements.



Kn/m ²	1.00	1.50	2.00	2.50	3.00	3.50	4.00
Clear Span	5.350	5.050	4.800	4.600	4.400	4.250	4.100

TYPICAL CONSTRUCTION DETAILS AS OVER

BEEVER CONCRETE

Beever Concrete Limited

Ingbirchworth, Penistone, South Yorkshire S30 6GJ

Telephone: Barnsley (0226) 763169 763198

We are manufacturers of specialist "one off" concrete units.
Design skills also available.

