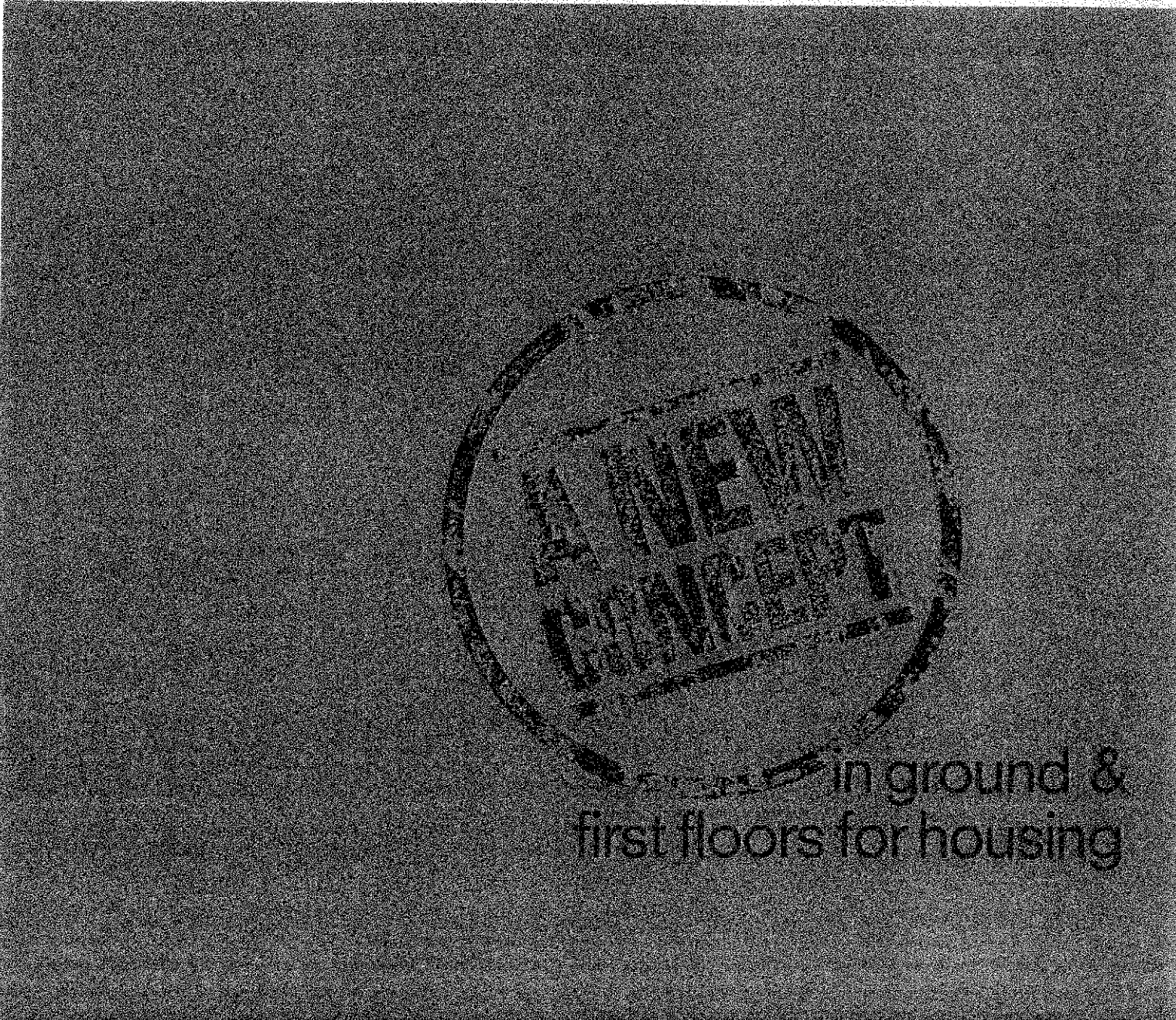




FRANCIS Precast Concrete Floors



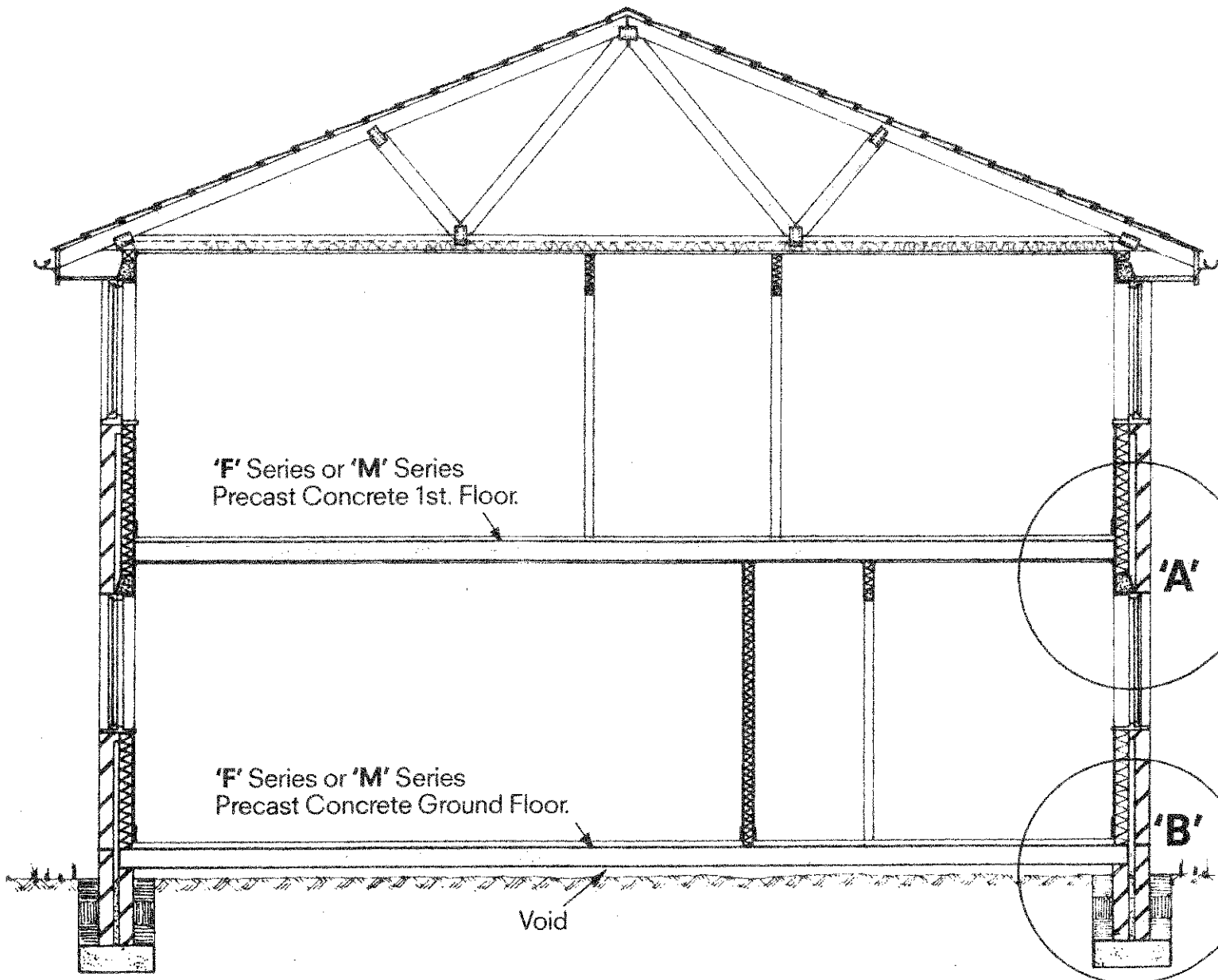
in ground &
first floors for housing

Precast Concrete Ground & 1st Floors in Houses

1. Precast concrete ground floors overcome the problems of settlement.
2. Precast concrete ground floors eliminate the problems of ground heave.
3. Precast concrete ground and first floors provide an immediate working platform.
4. Precast concrete ground and first floors can save money in foundation costs.
5. Precast concrete ground and first floors can save money in brickwork.
6. Precast concrete ground and first floors can save money by saving time.

1. An insitu slab, even if it is reinforced, will deflect due to its own weight plus the weight of finishes and supported internal partitions following the consolidation of fill material – Result – Damage to finishes, mis-alignment of door frames, partitions crack.
2. If ground slabs are cast on unsaturated clay or fill material, a normal winter's rainfall will cause either clay and/or fill to expand with possible dire results and heavy repair bills.
3. The bricklayers can start work the day after the precast floors have been laid. An insitu slab could cause a minimum delay of seven days whilst it cured.
4. Precast concrete floors of 150 mm depth can span 6 metres and can cut down the number of internal load bearing walls required. Cutting out an internal load bearing wall with independent foundations saves concrete, bricks and time.
5. Replacing a suspended timber floor saves a course of blocks and expensive labour filling in between the joists.
6. No delays whilst acceptable hardcore is found, placed and compacted. Your programme can be accurately scheduled without too much worry of the climatic conditions. What about winter damage to sites by dumpers full of hardcore?

Typical Section through 2 Storey House indicating Ground & 1st. Floor in Precast Concrete.



Maximum Safe Loads for Domestic Housing

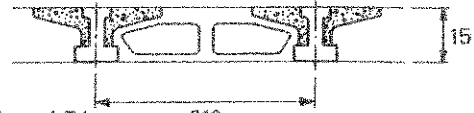
The spans given below are based on a superimposed load of 1.5 kN/m^2 + finishes and partition allowance of 2.0 kN/m^2 + the self weight of the units.

Francis 'F' Beam & Pot Floor (1)

Soffit treatment

Plaster can be applied to the soffit. Tab hangers can be supplied for deep dropped ceilings.

F150/121	Span 4.74	610
F150/146	Span 5.04	635

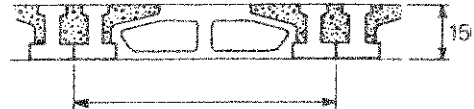


Francis 'F' Beam & Pot Floor (2)

Soffit treatment

Plaster can be applied to the soffit. Tab hangers can be supplied for deep dropped ceilings.

FF150/121	Span 5.80	730
FF150/146	Span 6.06	781

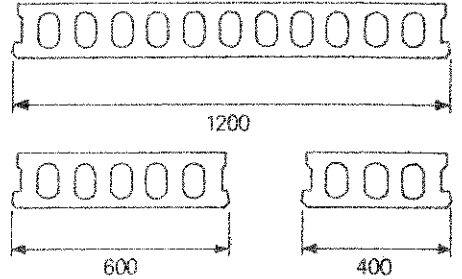


Francis 'M' Hollow Cored Slab

Depth	100mm	150mm	200mm	250mm
Span	5.41m	7.52m	8.98m	10.45m

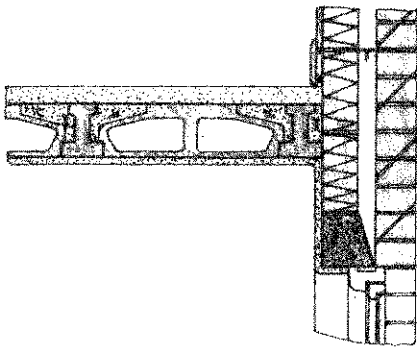
Soffit treatment

Plaster can be applied to the soffit (in conjunction with a bonding agent). Tab hangers can be supplied for deep dropped ceilings. The soffits are suitable for decoration with textured compound (Artex or similar).



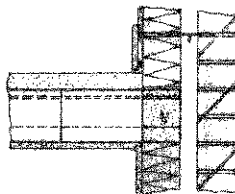
Detail 'A'

'F' Series Floor parallel to External Wall.



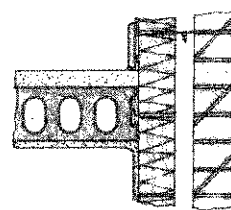
'F' Series

Bearing Detail.



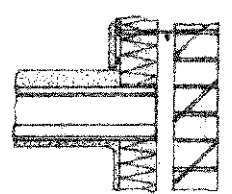
Detail 'A'

'M' Series Floor parallel to External Wall.



'M' Series

Bearing Detail.

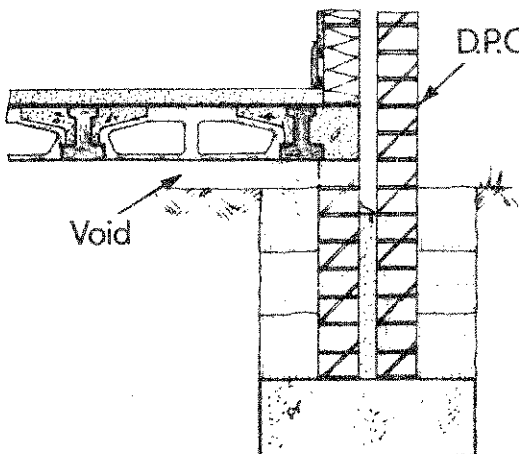


Ceiling Finishes:

Render & Set, Batten & Board, or with 'M' Series Floor Direct Applicator of Textured Coating.

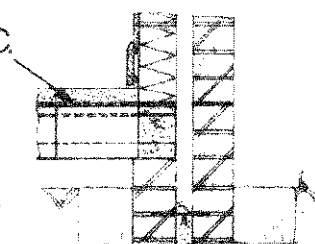
Detail 'B'

'F' Series Ground Floor parallel to External Wall.



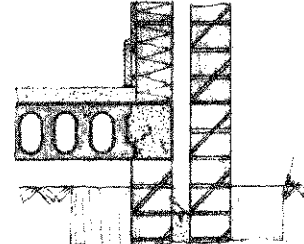
'F' Series

Bearing Detail.



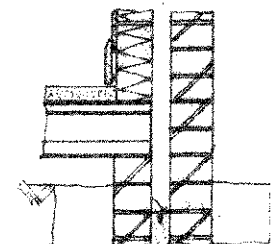
Detail 'B'

'M' Series Ground Floor parallel to External Wall.



'M' Series

Bearing Detail.



Floor Finishes:

Sand Cement & Screed, Batten & Board, or Polystyrene & Chipboard.

FRANCIS

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Sussex PO20 6AD.
Telephone: 0243 85131

Francis complete range of flooring systems for domestic and commercial industrial use include:

'F' Series Pre-stressed



'M' Series Pre-stressed



'M65' Series Pre-cast

