



GENERAL NOTES

Safety: Building Contractor/Cient responsibility

The Building Contractor/Cient is responsible for maintaining the exclusion zone under the PC floor area until the floor slab joints have been grouted and the PC floor area screeded and cured. The propping to underside of PC floors must be in place before are erected.

Note:

- 1) All precast units to be propped at mid-span before grouting and screeding commence.
- 2) For safety reasons and for temporary stability of all unscreeded PC floor & roof slabs propping should be provided by the main Contractor to comply with good safe practice.
- 3) All joints are to be grouted with 35N10 concrete before screeding
- 4) All precast units are to remain propped until the screed has reached a minimum strength of 35N/mm2 or for 15 days whichever is the longer.
- 5) The screed should be well vibrated onto the precast surface which should be dampened but is without standing water.
- 6) For sections and details refer to engineer's drawings.
- 7) For setting out refer to architect's drawings.
- 8) This drawing to be read in conjunction with all other architectural and engineering drawings and all other relevant drawings and specifications.
- 9) Do not scale this drawing. Use figure dimensions only.
- 10) Access for crane and 40ft trucks to be provided by main contractor or client.
- 11) No wall other than that marked on drawing can be built off the slabs without obtaining permission in writing from Drumderry personnel.
- 12) The temporary loading on the unit, in the propped condition should not exceed 2.5kN/m2.
- 13) Concrete should never be placed in large heaps or allowed to be dropped from a height.
- 14) Precast slabs are designed to carry the following loads:
 - live load = ... kN/m2 As per calcs
 - dead load = ... kN/m2 As per calcs - in addition to self weight

Design notes:

Drumderry have no responsibility for any structural elements other than their precast members. All other elements such as walls (loadbearing or non loadbearing) and foundations are the responsibility of others.

Overall stability and robustness as per BS8110 is the responsibility of others. Drumderry have no responsibility for holes, chases etc. cut in units unless preformed in their works or written permission for same has been obtained.

Temporary propping to precast floors

- A) The main contractor is solely responsible for the design of all temporary propping of adequate strength and stability to resist all construction loads. The main contractors attention is drawn to the importance of the design and erection of temporary propping by a competent specialist.
- B) Temporary propping shall be provided at the positions shown on the layout drawing. Precast units shall typically be propped at midspan.
- C) Where more than one floor level is to be constructed, adequate back-propping shall always be provided at coincident locations and shall not be removed before the uppermost propping.
- D) All propping shall remain in place for a period of 15 days (in accordance with the provisions of BS 8110 Part 1, Clause 6, Table 6.6)
- E) The main contractor is cautioned to take particular care with propping heights in excess of 3.0 metres.
- F) Props for wideslab should be level with supports and should be placed before installation of the slabs. Props should be tightened up to slab soffit after installation.
- G) Props for hollowcore slab should be level with supports and should be tightened to underside of slab after installation.

— Prop Line

Installing PC Units onto a Steel Frame

Precast units can only be installed, after stability of the steel frame has been certified. This is a health & safety requirement. It is essential to ensure that sufficient access is available to allow the precast units to be installed onto the steel frame.

Bracing, purins or secondary steel members must not be removed without certification from the structural steel engineer. This and any temporary bracing required to stabilise the steel structure, must be certified by the steel frame engineer, prior to installation of PC units.

A competent contractor must carry out any variations/ certification to the steel frame and Drumderry accept no liability or costs relating to any works/adjustments the steel frame.

Revision	Description	By	Date

Drumderry Aggregate Ltd. 1/4

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Box Culverts

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Box Culverts

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