

3.6.2.7 General considerations

- 1. Structural shall be designed for vibration as PCI S: 9.7.
- 2. Minimum total bearing width shall be 100 mm; the design of bearing shall be as per Section: 5.2.3 in BS8110.
- 3. The pre cast design shall be complied with section 5 in BS 8110.
- 4. The pre cast system for slabs shall be with topping concrete inclusive minimum reinforcement mesh of T8-200mm.

3.6.3 DOCUMENTS REQUIRED FOR OBTAINING PRECAST STRUCTURE PERMIT

- 1. Consultant cover letter indicating the submission subject and description of submission purpose , project ID, specialist and system IDs, details of attached documents, etc
- 2. Specialist document: prequalification-trading license- system approval, designer approval, site engineer, etc...
- 3. Undertaking letter from specialist for pre stressing work (design and execution) approved by the consultant.
- 4. Design criteria explaining all design data.
- 5. Software license copy.
- 6. PDF detailed drawings signed and stamped by specialist and consultant. DWG drawings are required for review purposes.
- 7. List of submitted drawings.
- 8. PDF calculation signed and stamped by specialist and consultant, including gravity, lateral force and thermal calculations (If any).
- 9. 3D models of the full structure to check the lateral force effects on P.T slabs design.
- 10. P.T software models.
- 11. Latest approved structural drawings.
- 12. Third party report (If applicable).