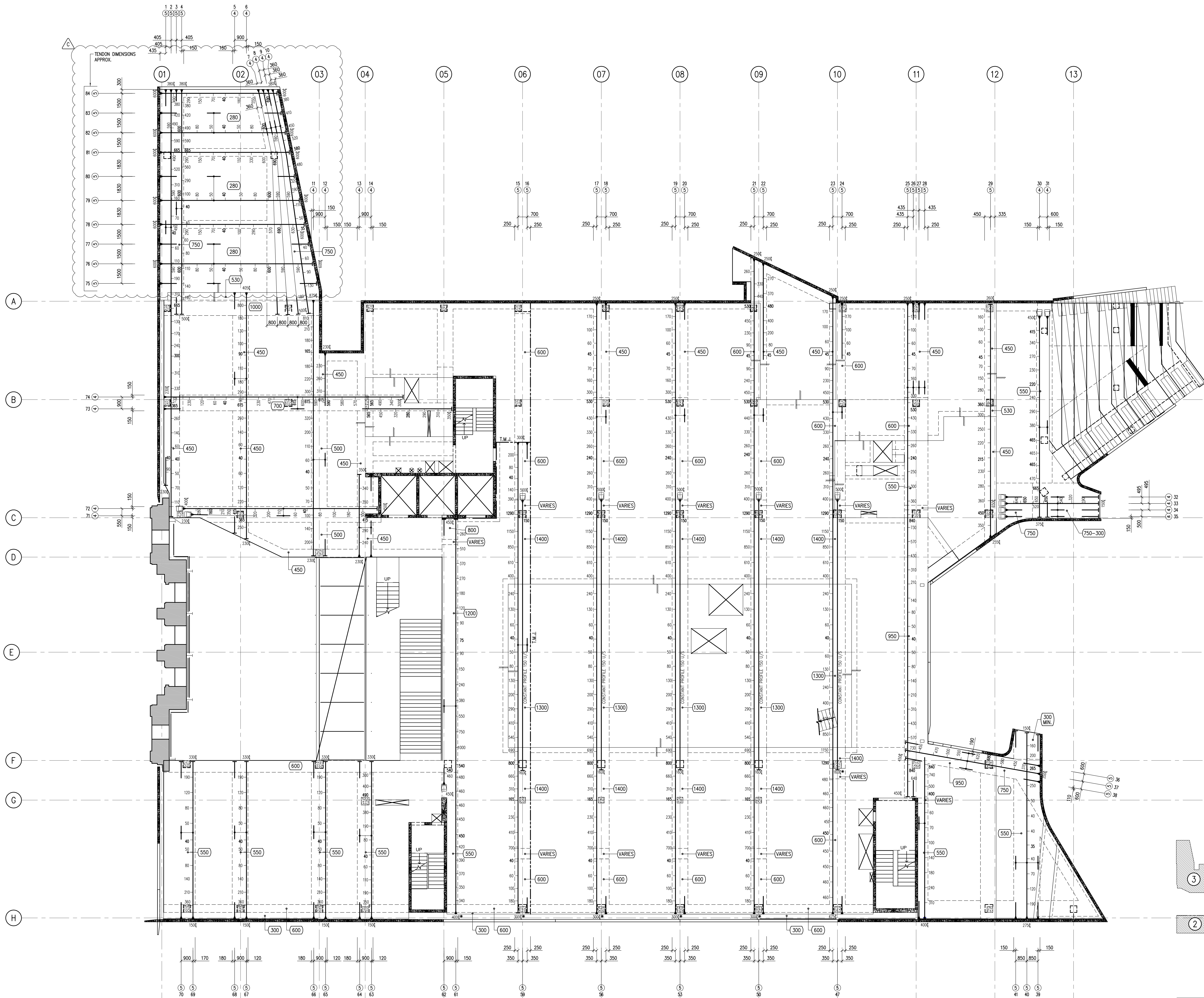


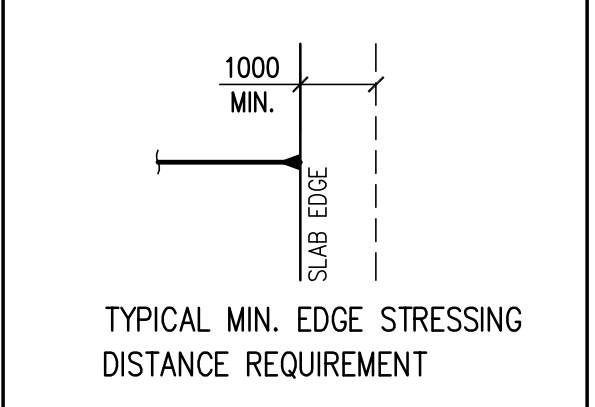
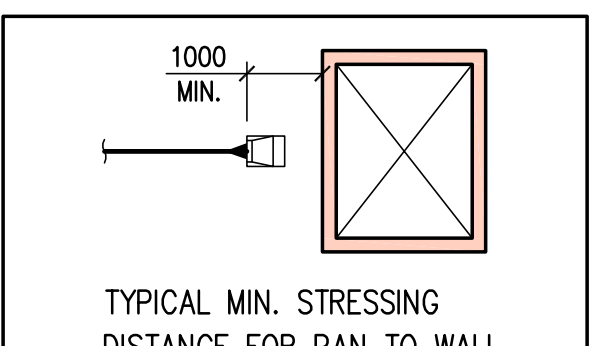
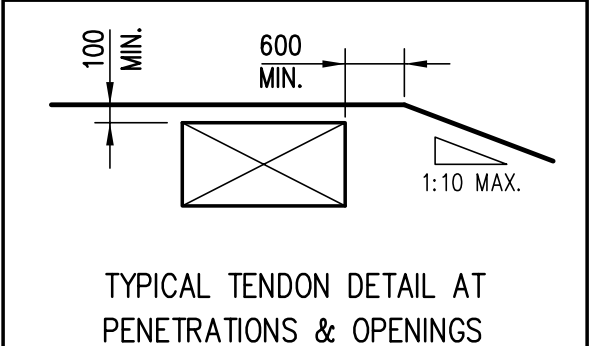


- POST-TENSIONING NOTES**
1. All stressing workmanship and materials shall comply with S.A.A. Concrete Structures Code A.S. 3600-2001.
 2. Following completed installation of anchorages and tendons, care must be taken to prevent damage or movement of any of the components. Particular care shall be taken during placing and compacting of concrete around anchorages to ensure that full compaction is achieved and that no part of the anchorage or tendon or their ancillaries is moved from its correct position.
 3. Anchorage designation:
top stressing pan.
live end anchorage.
dead end anchorage.
couplers.
terminated strand.
 4. Dimensions indicated are to the underside of the duct from the soffit of the slab except at the anchorages, where dimensions are to the centreline of the tendon. Tendons shall be located to a vertical tolerance of ± 5 mm.
 5. Wherever there is conflict between a tendon and any kind of conduit or reinforcement, the tendon profile shall govern.
 6. The stated tendon spacing is indicative only. In the event of any constraint to the post-tensioning works, the spacing shall be adjusted accordingly to suit the site condition.

- GENERAL NOTES:**
7. These drawings shall be read in conjunction with the applicable Architects, Consultants and Builder's drawings.
 8. All dimensions relevant to setting out shall be verified by the Builder before construction is commenced.
 9. Formwork and scaffolding shall be extended beyond tendon anchorage point to provide space for stressing operations. Safety hoarding for stressing shall be provided.
 10. Concrete mix design and curing shall be to Structural Engineer's specification.
 11. Stripping of formwork and backpropping details to Structural Engineer's specification.

- 15.2mm STRANDS**
12. 15.2 mm nominal diameter strands shall be seven wire super grade, stress relieved, low relaxation to A.S. 4672.1
Minimum breaking load = 250kN
 13. Jacking force per strand shall be 212.5kN (85% minimum breaking load) UNO.
 14. Stressing sequence UNO.
- | Initial stress | Final stress |
|---|---|
| At minimum 24 hours and concrete strength = 70% jacking each strand to 50kN | After 5 days minimum and at concrete strength = 75MPa jacking each strand to 212.5kN UNO. |

- 12.7mm STRANDS**
15. 12.7 mm nominal diameter strands shall be seven wire super grade, stress relieved, low relaxation to A.S. 4672.1
Minimum breaking load = 154kN
 16. Jacking force per strand shall be 155kN (85% minimum breaking load) UNO.
 17. Stressing sequence UNO.
- | Initial stress | Final stress |
|---|---|
| At minimum 24 hours and concrete strength = 70% jacking each strand to 40kN | After 5 days minimum and at concrete strength = 75MPa jacking each strand to 155kN UNO. |



THE INFORMATION USED TO PRODUCE THIS SHOP DRAWING WAS TAKEN FROM IRWIN CONSULTING ENGINEERS DWG'S: S101 (REV H) & S104 (REV D)

Rev	Date	Drawn	Checked	Description
C	26.08.13	B.T.	-	TENDONS ADDED
B	12.08.13	B.T.	-	C.J. DELETED TENDONS AND PROFILE REVISED AS CLOUDED
A	16.08.13	B.T.	-	ISSUED FOR CONSTRUCTION.
0	08.08.13	B.T.	-	ISSUED FOR APPROVAL.

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Project: **UNIVERSITY OF MELBOURNE PARKVILLE CAMPUS**

Title: **LEVEL 1 POST TENSIONING LAYOUT PLAN**

Scale: **1:100**

Date: **AUG '13**

Drawn: **B.T.**

Project No: **3020525**

Plot Date: **PT002**

KEY PLAN

15.2mm STRANDS U.N.O.

ISSUED FOR CONSTRUCTION