

## GENERAL NOTES

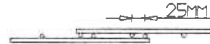
- G1 ALL CONSTRUCTION TO THE BUILDING CODE OF AUSTRAL VOLUME 1 FOR GENERAL CONDITIONS & VOLUME 1 & 2 FOR WORKMANSHIP & MATERIALS
- G2 ALL STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTS OR DESIGNERS DRAWINGS. ANY DISCREPANCIES SHALL BE REFERRED TO THE OWNER OR CERTIFIER.
- G3 ALL DIMENSIONS SHALL BE OBTAINED FROM SITE OR THE ORIGINAL ARCHITECTS DRAWINGS. MEMBER SIZING AND STRUCTURAL DETAILING SHALL BE OBTAINED FROM THESE STRUCTURAL DRAWINGS.
- G4 ALL DIMENSIONS ARE IN MILLIMETERS, UNO.
- G5 THE STRUCTURAL WORK SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LOADS IN ACCORDANCE WITH 'AS 1170 - 2002'
- FLOORS 5.0kPa AND 5kN over 100x100mm.
- G7 GENERAL ABBREVIATIONS SHOWN SHALL BE READ AS FOLLOWS:  
 UNO DENOTES "UNLESS NOTED OTHERWISE"  
 NTS DENOTES "NOT TO SCALE"  
 TBC DENOTES "TO BE CONFIRMED"  
 TME DENOTES "TO MATCH EXISTING"
- G8 THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL IN SLAB OR UNDER GROUND SERVICES PRIOR TO EXCAVATION.
- G9 DURING CONSTRUCTION, THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
- G10 MANY COMMERCIAL AND DOMESTIC PROPERTIES CONTAIN ASBESTOS. IDENTIFICATION, REMOVAL ETC IS THE RESPONSIBILITY OF THE BUILDER AND SHALL BE CARRIED OUT BY QUALIFIED PERSONS IN ACCORDANCE WITH WORK HEALTH AND SAFETY REQUIREMENTS.

## CONCRETE NOTES

- C1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH 'AS 3600'.
- C2 CONCRETE SHALL BE N32 FOR SLABS AND N20 FOR FOOTINGS TO 'AS 3600':  
 MAXIMUM AGG. SIZE 20mm WITH MINIMUM CEMENT CONTENT 300 kg/m<sup>3</sup>.  
 MAXIMUM WATER/CEMENT RATIO = 0.5
- C5 NO HOLES FOR SERVICES LARGER THAN 100mm DIAMETER AT 1m c/c SHALL BE FORMED VERTICALLY IN THE SLAB WITHOUT PERMISSION FROM THE STRUCTURAL ENGINEER. ANY CUT BAR SHALL HAVE SAME DIAMETER BAR INSTALLED BOTH SIDES WITH MIN LAPS AS SPECIFIED ELSEWHERE ON THESE DRAWINGS.
- C6 VIBRATORS SHALL BE USED WHEN PLACING FOOTING & SLAB BEAM THICKENINGS CONCRETE.
- C9 SURFACE FINISH TO SLABS ARE TO BE MACHINE FLOAT FINISH WITH TOLERANCE OF 5mm IN 3000mm. A BUILDER'S LEVEL OR LASER SHALL BE USED WHEN PLACING SLAB CONCRETE.
- C10 SLABS SHALL BE COVERED FOR MIN 5 DAYS WITH 0.2mm POLYTHENE AFTER POURING.
- C11 ALL FORMWORK SHALL BE TO 'AS 3610'.
- C13 PERMANENT FORMWORK BONDEK, CONDEK, KING FLOOR etc. SHALL BE LAID WITH THE RIBS IN THE DIRECTION OF THE WAIST OF THE ARROW ↔ ie. LEFT TO RIGHT IN THIS PRESENTATION.
- C14 SUSPENDED SLABS ON BONDEK OR CONDEK SHALL BE CONTINUOUSLY PROPPED GENERALLY AT MAX 1.2m c/c WHILE SLAB CURES FOR MIN 25 DAYS UNO.

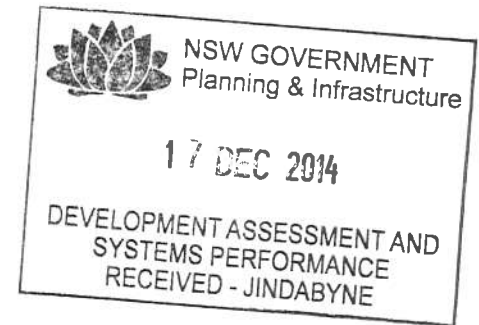
## REINFORCEMENT NOTES

- R1 REINFORCEMENT SHALL BE SUPPLIED, FABRICATED AND PLACED TO 'AS 3600' AND IS GENERALLY DESIGNATED TO 'AS 1100.501'.
- R2 REINFORCEMENT BARS SHALL BE DESIGNATION GRADE D500N AND REINFORCEMENT MESH SHALL BE DESIGNATION GRADE D500L TO 'AS 4671' UNO.
- R3 REINFORCING LAPS SHALL BE 40 BAR DIAMETERS, OR 500mm FOR TRENCH MESH, AND FOR SLAB MESH SHALL BE TWO CROSS BARS PLUS 25mm.
- R4 CLEAR COVER TO REINFORCEMENT SHALL BE MIN 20mm MAX 30mm FOR INTERNAL SLABS, MIN 30mm MAX 45mm FOR EXTERNAL SLABS AND MIN 50mm MAX 75mm FOR FOOTINGS.
- R5 BAR CHAIRS SHALL BE AT 60 BAR DIAMETERS EACH DIRECTION EXCEPT FOR MESH WHERE BAR CHAIRS SHALL BE AT 800c/c EACH DIRECTION. CHAIRS SHALL NOT PUNCTURE POLYTHENE MEMBRANE. TAPE POLYTHENE WITH TESA TAPE AT JOINS.



## STEELWORK NOTES

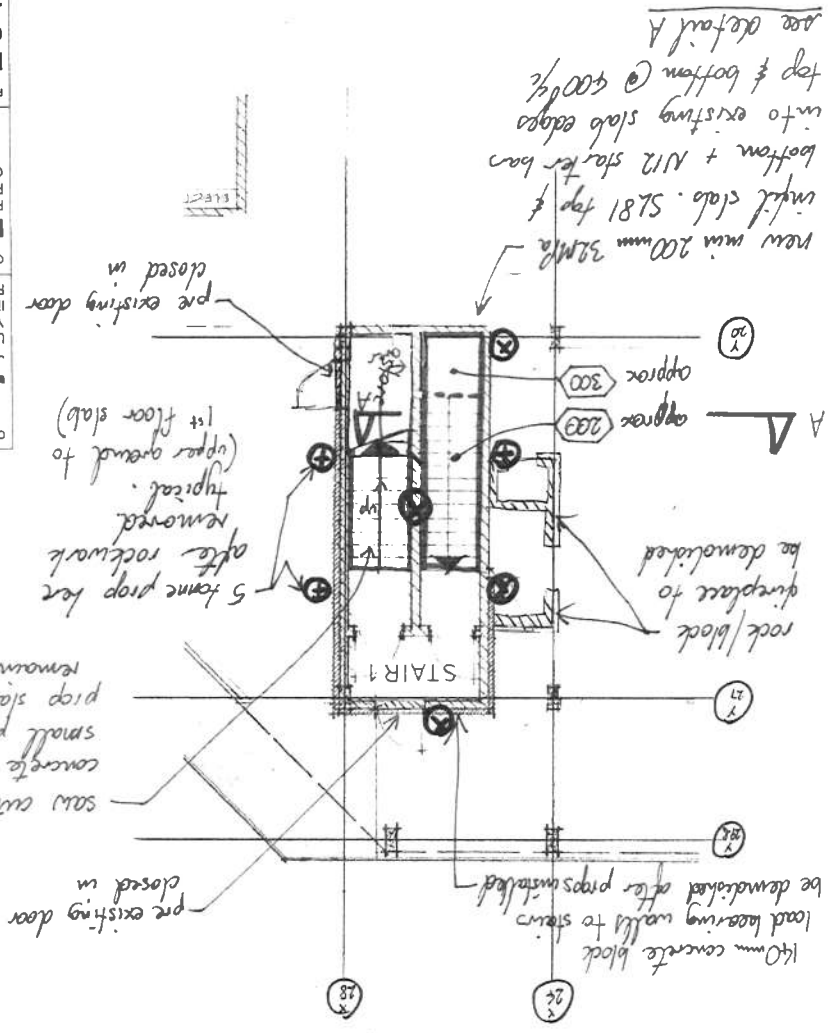
- S1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH 'AS 4100' AND 'AS 1554' EXCEPT WHEN VARIED BY THE SPECIFICATION AND DRAWINGS.
- S2 ALL STEEL SHALL BE IN ACCORDANCE WITH 'AS 3679' GRADE 300 OR 'AS 1163' GRADE C350LO FOR RECTANGULAR AND SQUARE HOLLOW SECTIONS OR GRADE C250LO FOR CIRCULAR HOLLOW SECTIONS TO 165 O.D. AND GRADE C350LO ABOVE 165 O.D. COLD FORMED LIGHT GAUGE PURLINE AND GIRT SECTIONS SHALL BE GRADE 450 ZINC COATED Z200 TO 'AS 1397'.
- S3 WELD TYPE ABBREVIATIONS:-  
 CFW = COMPLETE FILLET WELD  
 FPBW = FULL PENETRATION BUTT WELD
- S4 WELDING SHALL BE 4mm CFW UNO AND SHALL COMPLY WITH 'AS 1554'.
- S5 ELECTRODES SHALL BE E41XX OR E48XX.
- S6 BUTT WELDS ARE TO BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN 'AS 1554'. E48XX ELECTRODES SHALL BE USED.
- S7 BOLTS SHALL BE M16 GRADE 9.8TB TO 'AS 1252' UNO.
- S8 BOLT HOLES SHALL BE BOLT DIAMETER +2mm FOR STEEL TO STEEL CONNECTIONS, +4mm FOR STEEL TO CONCRETE CONNECTIONS. HOLES BEING +3mm SHALL HAVE MIN 4mm THICK LARGE WASHER UNDER NUTS.
- S9 ALL PLATES AND STIFFENERS SHALL BE 12mm THICK UNO.
- S10 CORROSION PROTECTION FOR STEELWORK SHALL BE TWO COATS ROZP GENERALLY, WITH EXTRA TWO COATS OF ENAMEL FOR EXPOSED STEELWORK TO 'AS 2312'.
- S11 ALL EPOXY SHALL BE HILTI RE500 INSTALLED TO MANUFACTURERS SPECIFICATIONS.



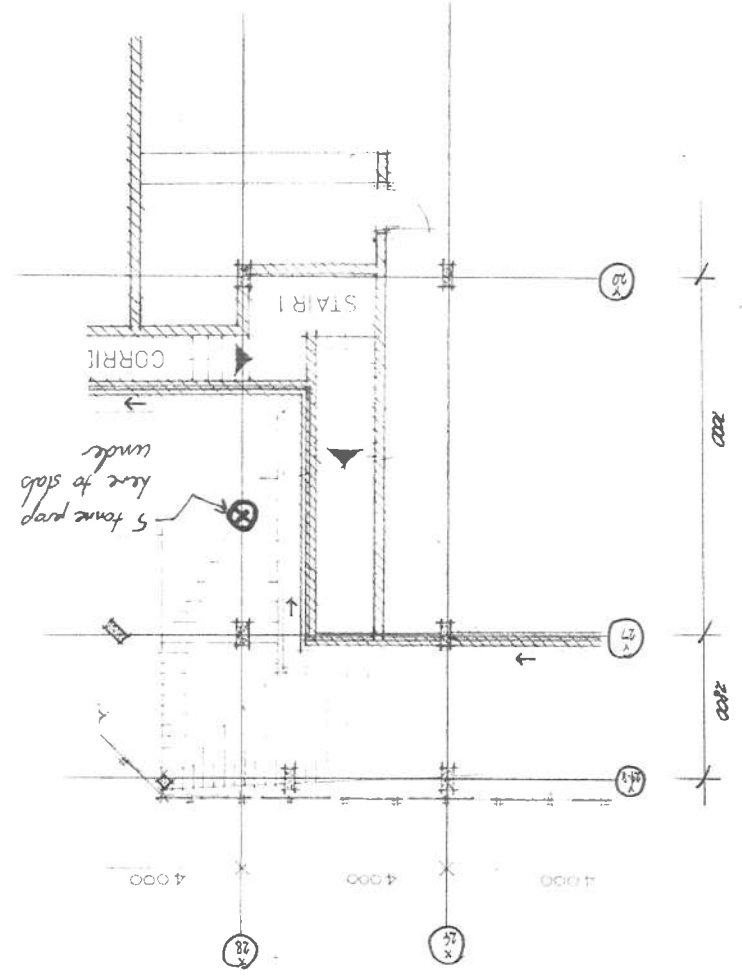
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PROJECT			
<b>PROPOSED REMOVAL          OF JAX BAR STAIR          - PERISHER SKI CENTRE          PERISHER VALLEY NSW</b>			
TITLE			
<b>LOWER GND &amp; UPPER          GND FLOOR PLAN</b>			
DESIGNED	DRAWN	DATE	DRAWING No.
LC	LC	21/11/2014	<b>S01</b>

LC	LC
21/11/2014	S02
DESIGNED	DRAWN
DATE	DRAWING No.
<b>LOWER GND &amp; UPPER GND FLOOR PLAN</b>	
TITLE	
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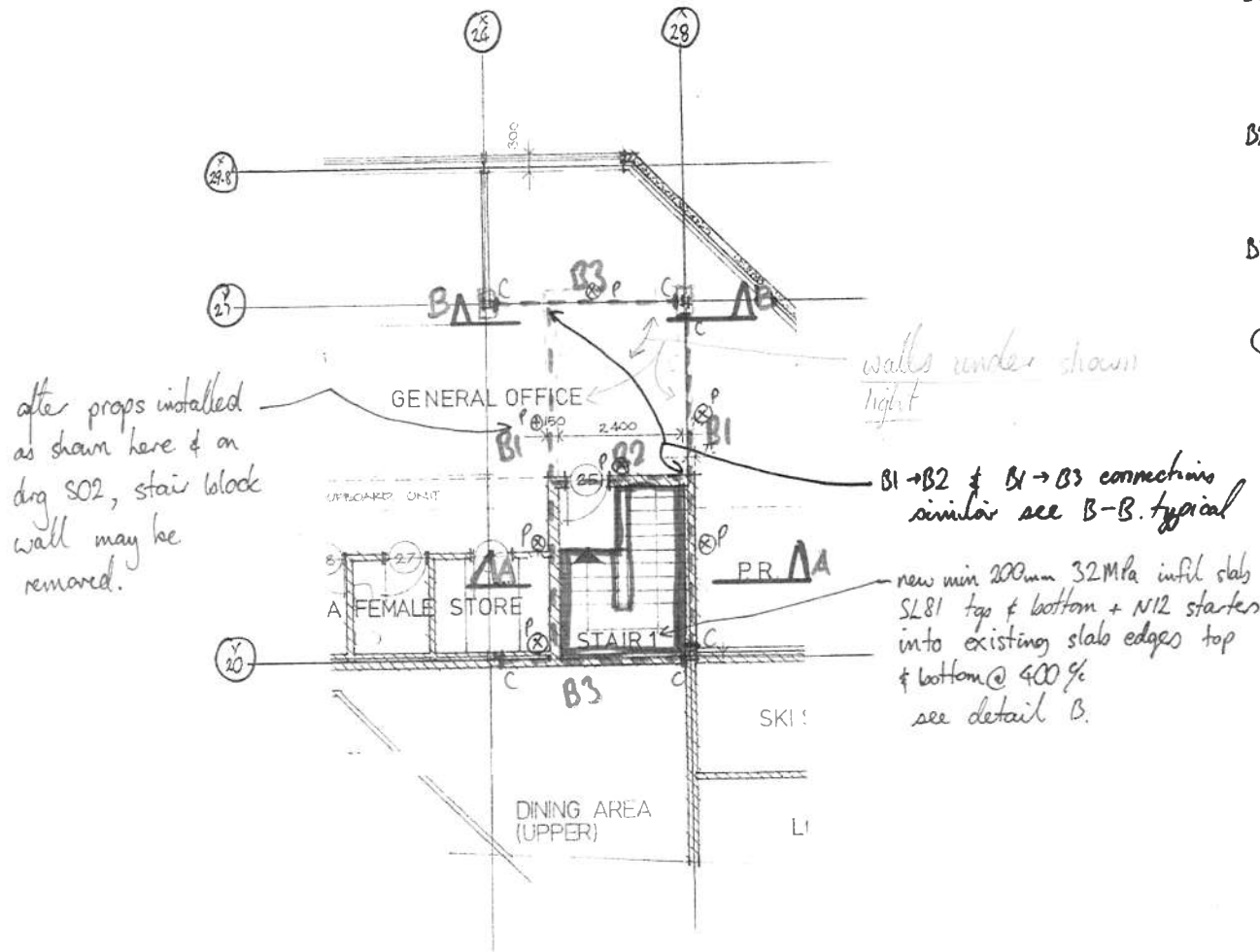
**UPPER GROUND FLOOR PLAN**  
1:100 @ A3



**LOWER GROUND FLOOR PLAN**  
1:100 @ A3



- KEY:
- P: 5 tonne prop ie Acrow "Slim Lite Soldier" with "HD" bottom jack.
  - B1: 310 UC 96 + 2/100x150x9.0 RHS over pairs of M20 anchors to slab over @ 400% see details
  - B2: 200 UC 46 pairs of M20 anchors at ends & central.
  - B3: 310 UC 96 w pairs of M20 anchors @ 400%
  - C: 200 PFC column stiffener 250x150x20 plates top & bottom. 2/M20 8.8 bolts to B1 or B3 over. M20 HILTI HSL-3 anchors @ 400% typical.



after props installed as shown here & on drg S02, stair block wall may be removed.

walls under shown light

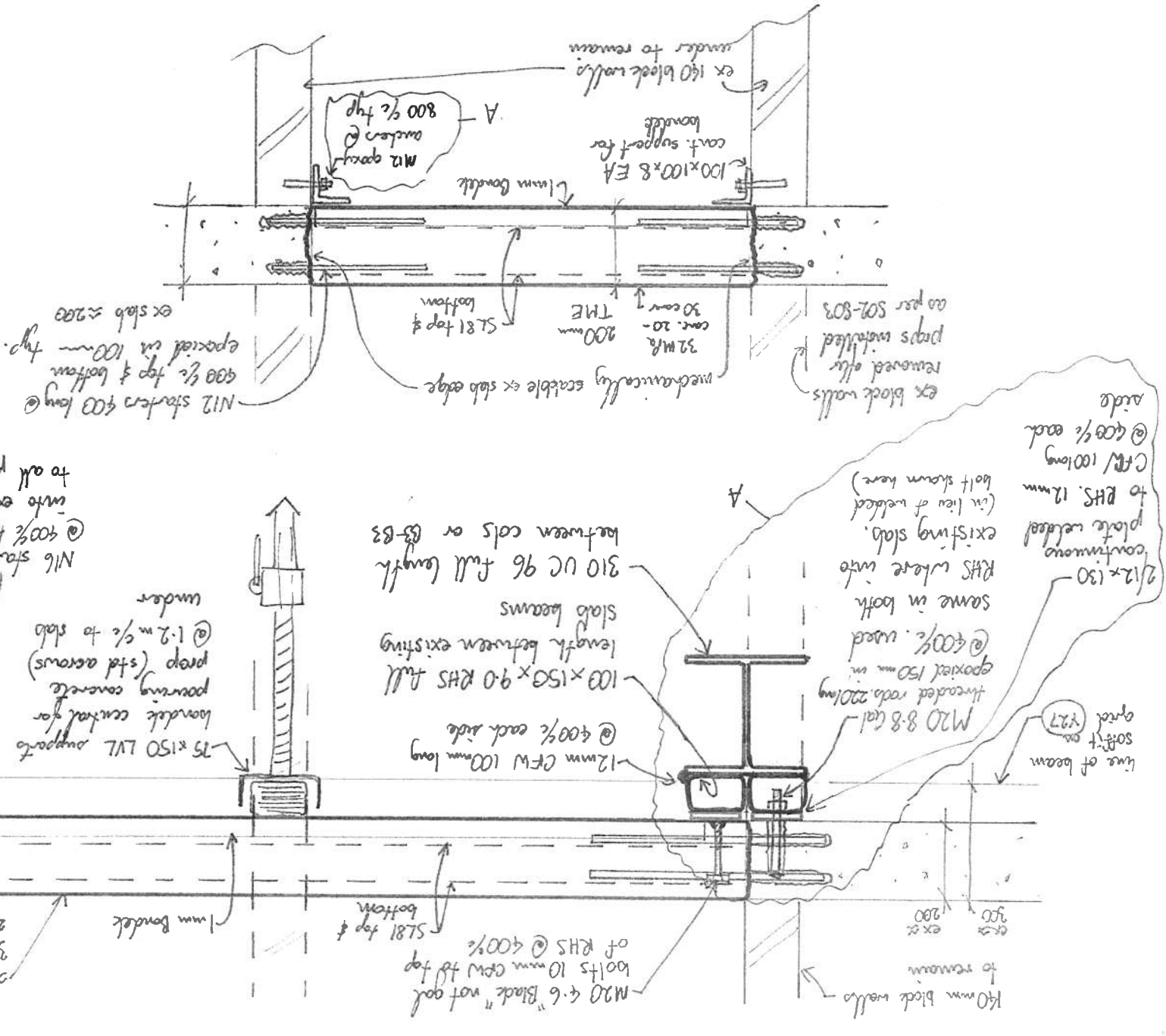
B1-B2 & B1-B3 connections similar see B-B. typical

new min 200mm 32MPa infill slab SL81 top & bottom + N12 starters into existing slab edges top & bottom @ 400% see detail B.

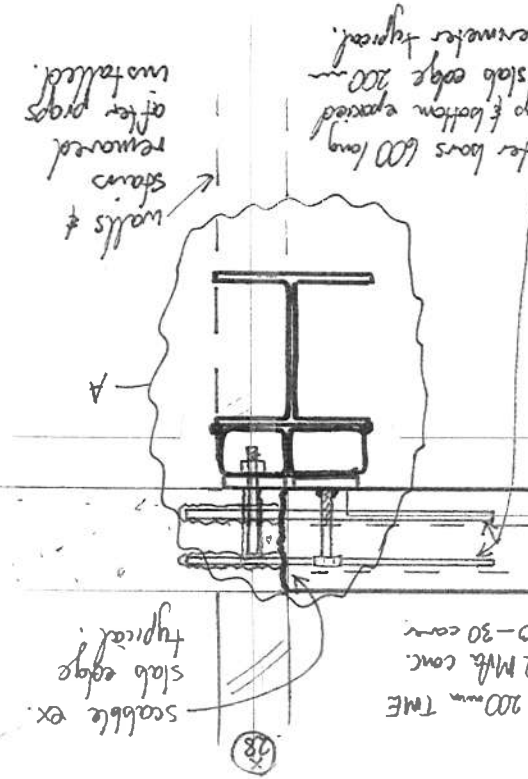
**FIRST FLOOR PLAN**  
SHOWING SUPPORT BEAMS UNDER  
1 : 100 @ A3

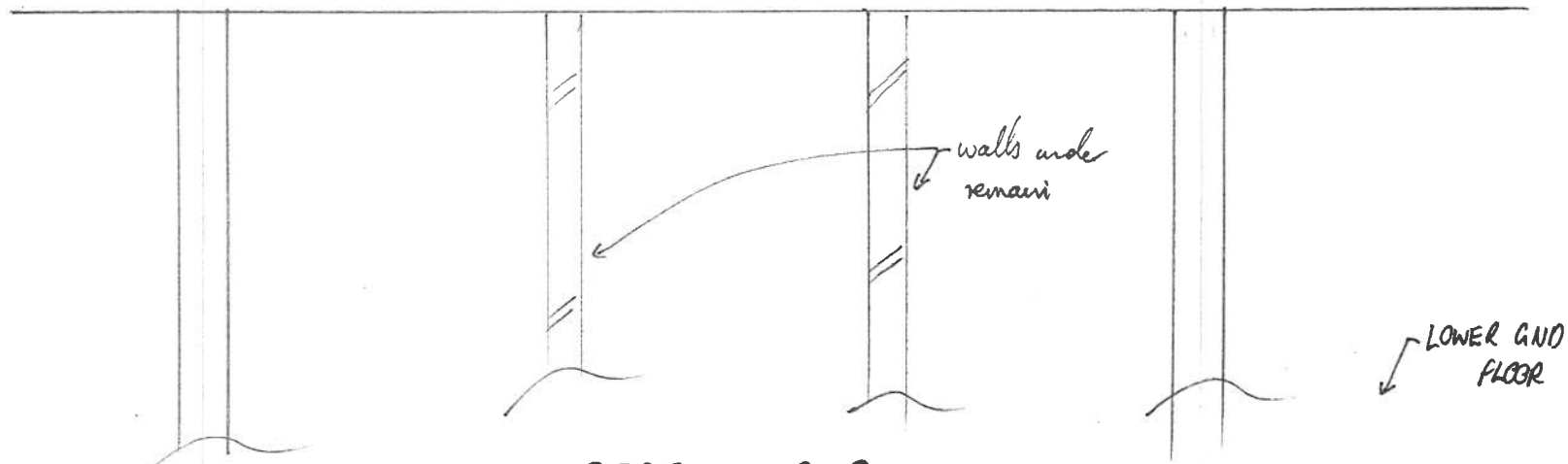
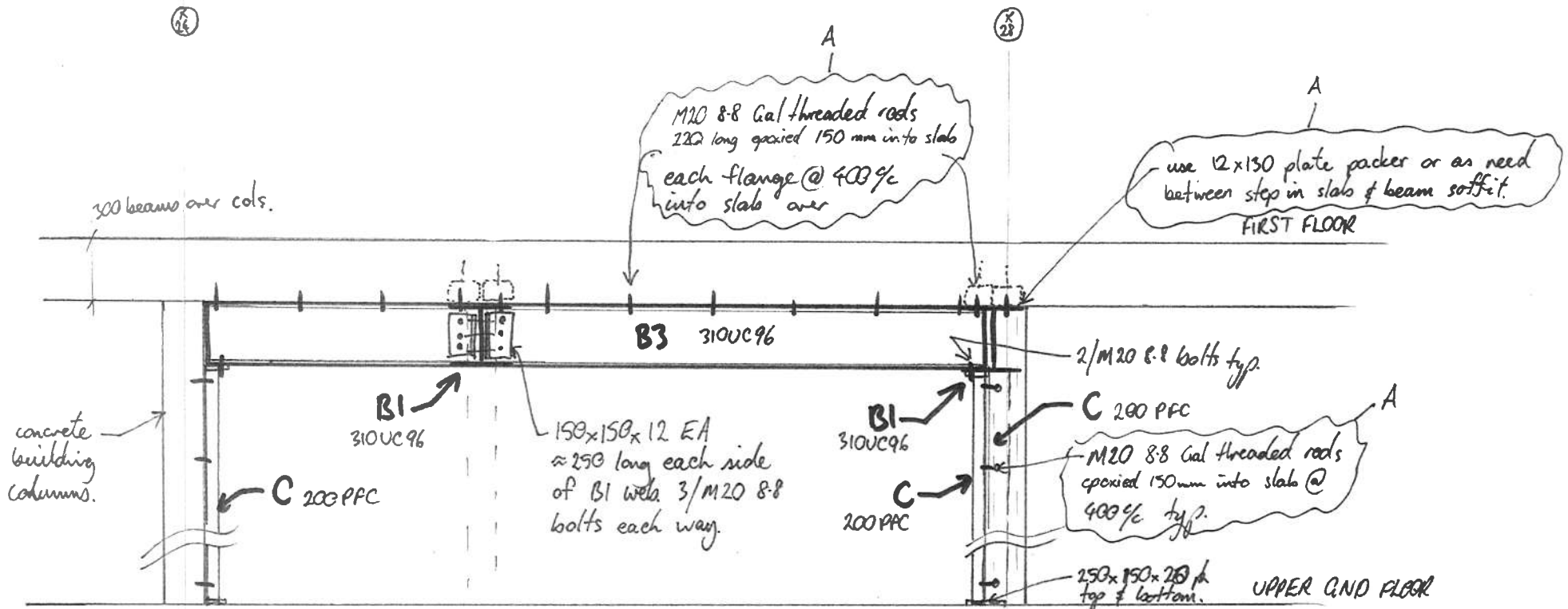
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<b>PROPOSED REMOVAL OF JAX BAR STAIR - PERISHER SKI CENTRE</b> PERISHER VALLEY NSW			
TITLE			
<b>FIRST FLOOR PLAN</b>			
DESIGNED	DRAWN	DATE	DRAWING No.
LC	LC	21/11/2014	<b>S03</b>

**SECTION A-A**  
1:10 @ A3



DESIGNED	DATE	DRAWING NO.
PERISHER BLUE	25/11/2014	S04 A
PROJECT		
PROPOSED REMOVAL OF JAX BAR STAIR - PERISHER SKI CENTRE		
PERISHER VALLEY NSW		
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PERISHER VALLEY NSW		
TITLE		
STRUCTURAL DETAILS		
DESIGNED	DATE	DRAWING NO.
LC	25/11/2014	S04 A
LC		





**SECTION B-B**

1:20 @ A3

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PROJECT

**PROPOSED REMOVAL OF JAX BAR STAIR - PERISHER SKI CENTRE**  
PERISHER VALLEY NSW

TITLE

**STRUCTURAL DETAILS**

DESIGNED	DRAWN	DATE	DRAWING No.
LC	LC	11/2014	S05 A