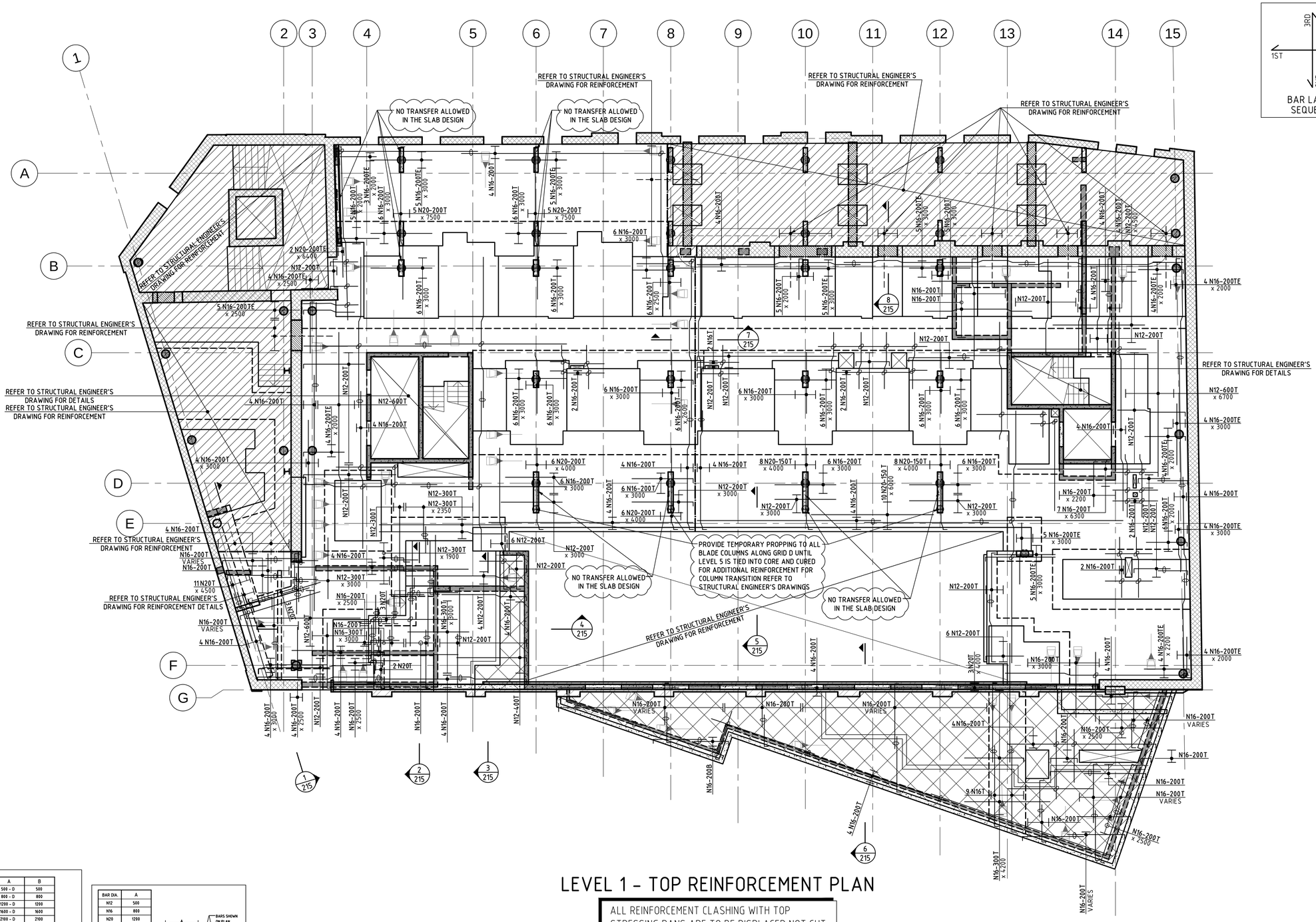


LEVEL 1 - TOP REINFORCEMENT PLAN

ALL REINFORCEMENT CLASHING WITH TOP STRESSING PANS ARE TO BE DISPLACED NOT CUT

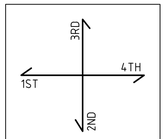
TOTAL WEIGHT OF REINFORCEMENT ON THIS DRAWING = 9.11 TONNES
INCLUDES:
- 9.11 TONNES TO PTWORKS ALLOWANCE
- 132m² MESH

THE BUILDER TO ENSURE THAT THE SCHEDULED REINFORCEMENT TONNAGE DOES NOT EXCEED THE TONNAGES SHOWN IN THIS TABLE

HATCH DENOTES:
REFER TO STRUCTURAL ENGINEER'S DRAWINGS FOR REINFORCEMENT DETAILS

HATCH DENOTES:
SL82 TOP MESH LAY LAST WITH (30mm) TOP COVER

BAR LAYING SEQUENCE



REINFORCEMENT NOTES

1. CONCRETE STRENGTH F'c SHALL BE:
   40MPa INTERNAL AND 40MPa EXTERNAL U.N.O.
2. REINFORCEMENT 'CALL UP' NOTATION:

   4 N 16-300 T , EXT, (x) (xx)
   - (xx) — in lieu of mesh (excluded).
   - not part of Reinf. allowance
   - extra additional bars
   - bar layer - (refer below)
   - bar spacing centers - (if shown)
   - bar diameter
   - bar type - (refer below)
   - number of bars

   - BAR TYPES: (TO AUSTRALIAN STANDARD AS 1302)
   N = DENOTES HOT ROLLED DEFORMED BAR (500 MPa)
   R = DENOTES STRUCTURAL GRADE PLAIN BAR (250 MPa)

   - BAR LAYERS- (SEQUENCE AS SHOWN)
   T = DENOTES TOP REINFORCEMENT
   B = DENOTES BOTTOM REINFORCEMENT
   T&B = DENOTES BARS IN BOTH LAYERS

3. LAPS IN REINFORCEMENT SHALL BE:

	BAR TYPE & DIAMETER						
	N12	N16	N20	N24	N28	N32	N36
LAP	500	700	1100	1450	1900	2300	2600

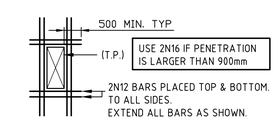
NB WHERE BARS OF DIFFERENT DIAMETERS LAP THE LESSER OF THE TWO SHALL BE USED. THE MINIMUM LAP FOR ALL FABRIC (MESH) REINFORCEMENT SHALL BE: TWO TRANSVERSE BARS PLUS 25 mm.

4. COVER TO REINFORCEMENT U.N.O.

	SLAB		BEAMS	
F'c 40MPa	INTERNAL	EXTERNAL EXPOSURE B1	INTERNAL	EXTERNAL EXPOSURE B1
TOP	20	30	20	30
BOTTOM	30	30	30	30
SIDES	30	30	30	30

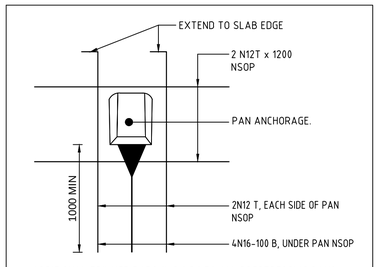
× MIN. APPLY INTERNAL COVER WHERE GREATER
× TOP, BOTTOM AND SIDE COVER TO BE 35mm IN SUBSTATION SLAB

5. FOR ALL DESIGNATED REINFORCEMENT & PLACEMENT OF LAPS PERTAINING TO THIS DRAWING, REFER TO RELEVANT PLANS, ELEVATIONS, SECTIONS, DETAILS & ASSOCIATED NOTES.
   NOT SHOWN ON THIS DRAWING ARE THE FOLLOWING ITEMS 6(a) THROUGH 6(f) BUT, THESE SHALL BE PROVIDED IN ALL CIRCUMSTANCES AS REQUIRED U.N.O
6(a) FOR ALL EXTRA REINFORCEMENT NOT SHOWN ON PLAN REFER TO SLAB SECTIONS & TYPICAL DETAILS. REINFORCEMENT TAGGED ON SECTION MAY NOT BE SHOWN ON PLAN.
6(b) REFER DRAWING PT001 FOR TYPICAL ANTI-BURST REINFORCEMENT REQUIREMENTS FOR POST TENSIONING ELEMENTS.
6(c) PROVIDE N12-600 UNO. DISTRIBUTION BARS ONLY AS OTHERWISE NECESSARY TO SUPPORT MAIN REINFORCEMENT. ALL ADDITIONAL DISTRIBUTION REINFORCEMENT IS TO BE EXCLUDED FROM PT CONTRACTOR REINF ALLOWANCE.
6(d) TRIMMER BARS.
   PROVIDE REINFORCEMENT ONLY WHERE A PENETRATION IS GREATER THAN 300mm x 300mm & UP TO & INCLUDING 900mm x 900mm. SUCH PENETRATIONS DENOTED ON PLAN AS (T.P.) SHALL HAVE THE FOLLOWING MINIMUM REINFORCEMENT:



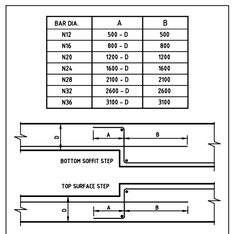
7. THE TOP REINFORCEMENT SHALL NOT BE INSTALLED UNTIL TENDONS ARE PLACED IN ACCORDANCE WITH POST TENSIONING DOCUMENTATION.

FOR CONSTRUCTION



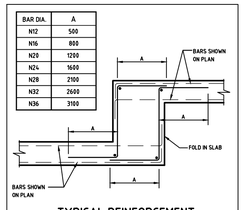
ADDITIONAL TRIMMER BARS (N.S.O.P.) TO ALL PRESTRESSING PANS.

REINFORCEMENT ARRANGEMENT AT PAN ANCHORAGE
(REFER TO PLANS, SCHEDULES & SECTIONS)



BAR DIA.	A	B
N12	500 - D	500
N16	800 - D	800
N20	1200 - D	1200
N24	1600 - D	1600
N28	2100 - D	2100
N32	2600 - D	2600
N36	3100 - D	3100

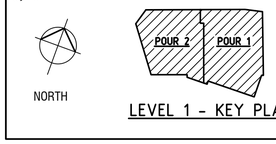
TYPICAL REINFORCEMENT
BAR LAP AT STEPS U.N.O.



BAR DIA.	A
N12	500
N16	800
N20	1200
N24	1600
N28	2100
N32	2600
N36	3100

TYPICAL REINFORCEMENT
LEG LENGTH AT FOLDS U.N.O.

Key Plan:



LEVEL 1 - KEY PLAN

PTWORKS
Post Tensioning Contractor & Engineering Consultant

REVISIONS				
No.	BY	DATE	DESCRIPTION	
B	H.D	04.04.2024	ISSUED FOR CONSTRUCTION	
A	H.D	12.03.2024	ISSUED FOR CONSTRUCTION	
1	H.D	01.03.2024	ISSUED FOR APPROVAL	

Print reduction bar: 0 10 20 30 40 50 FULL SIZE SHEET SIZE A1

POST TENSION CONTRACTOR DRAWINGS

DESIGNED	JS
DRAWN	HHD
CHECKED	BC
DATE ISSUED	MAR-2024

Project: OXFORD STREET HOTEL
1-11 OXFORD STREET, PADDINGTON NSW 2021

Title: LEVEL 1 - TOP REINFORCEMENT PLAN

Status	Project No.	Drawing No.	Rev.
CONSTRUCTION	211722	PT214	B