



SAMPLE STRUCTURAL
ENGINEERING

Site Inspection Report

Project: Example Apartments – Stage 2

Project number: 7214

Inspection date: 26/08/2026

Attention: Site Manager, Example Builders Pty Ltd

Inspected by: Alex Taylor, Structural Engineer

Subject: Slab PT+Reo, stair reo

Location: L8 slab, L4-5 stairs

Sample Structural Engineering attended site to inspect the works associated with the items described above. During the inspection, a number of items were identified that require rectification prior to the issue of a final satisfactory inspection report.

Inspection outcome: *Non-conforming – Rectification Required*

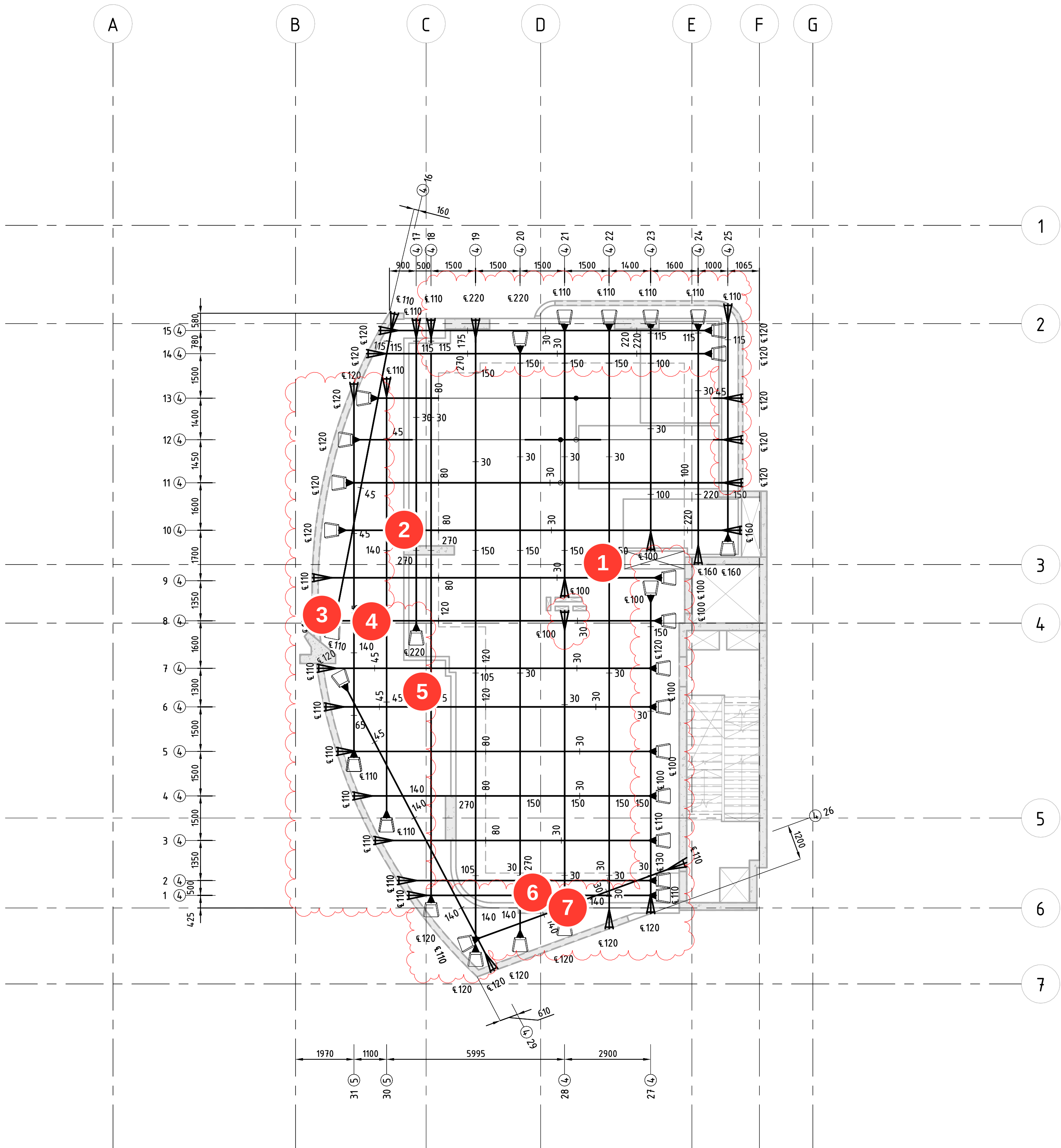
Rectify the items identified below and provide photographic evidence to Sample Structural Engineering for review and acceptance prior to proceeding with subsequent works.

Email: inspections@example.com

This inspection report relates only to the conditions observed at the time of inspection. It does not constitute a certification of the works or relieve the contractor of their obligations under the contract documents, relevant standards, or statutory requirements.

SAMPLE STRUCTURAL

ENGINEERING



LEVEL 8 POST TENSION PLAN

SCALE 1 : 100 @ A1

POST TENSION NOTES

- ENSURE MINIMUM 100mm CLEAR BETWEEN CABLES AND PENETRATIONS
- ENSURE HORIZONTAL BENDS IN CABLES OCCUR NO CLOSER THAN 600mm TO THE CORNER OF ANY PENETRATION THAN 600mm TO THE CORNER OF ANY PENETRATION
- LOCALLY DISPLACE REINFORCEMENT TO ALLOW CORRECT DRAPE OF POST TENSIONING CABLES
- ALL HEIGHTS MEASURED TO UNDERSIDE OF DUCTS. HEIGHTS MEASURED TO CENTRELINE OF ANCHORS, NOTED ON PLAN
- ALL STRAND TO BE 12.7mm DIA.
7 WIRE SUPER GRADE LOW RELAXATION STRAIN TO AS4672.1

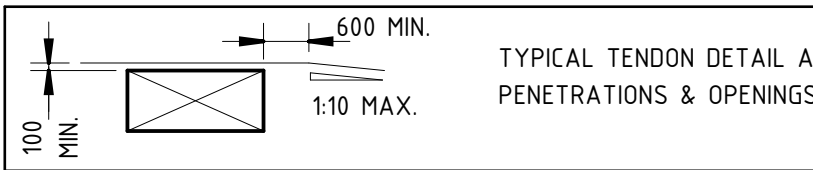
REFER STR. DWG. S004 FOR TYPICAL POST TENSION DETAILS

NOTE: POST TENSION DUCTS HAVE NOT BEEN COORDINATED WITH HYDRAULIC SERVICES. ALL HYDRAULIC SERVICE LOCATIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION.

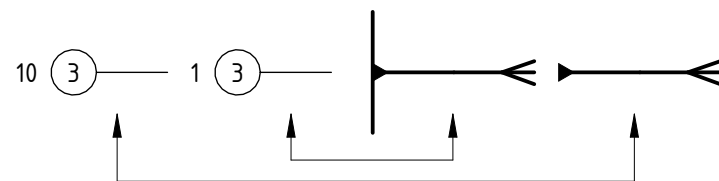
THIS DRAWING IS TO NOT BE USED AS A SHOP DRAWING. IT IS THE RESPONSIBILITY OF THE PRESTRESS CONTRACTOR TO PROVIDE POST TENSION SHOP DRAWINGS FOR CONSTRUCTION.

PT LEGEND

- DENOTES 1 STRAND TO DROP WHERE SHOWN POSITIONED
- DENOTES COUPLER
- LIVE END ANCHORAGE
- DEAD END ANCHORAGE (ONION TYPE)
- LIVE END ANCHORAGE WITH INTERNAL POCKET
- PROFILE MEASURED FROM BTM. OF SLAB TO UNDERSIDE OF DUCT OR CENTRE LINE OF ANCHORAGE POINT (LIVE OR DEAD END)
- DENOTES COMMON PROFILE WITH NEIGHBOURING TENDON PROFILE
- TENDON No.
- NUMBER OF STRANDS REQUIRED IN A TENDON



TENDONS ARE TAGGED FROM THE OUTER MOST TENDON INWARD



NOTE: ALL PT TENDON STRANDS FOR THIS LEVEL TO BE 12.7mm

PT QUANTITIES

TOTAL: 1260 Kg RATE: 4.6 Kg/m²

TOTAL NUMBER OF TENDONS: 31

THESE QUANTITIES DO NOT ALLOW FOR OFFCUTS OR WASTAGE

No.	AMENDMENT	APPROVED	DATE	AMENDED BY
B	AMENDMENT TO POST TENSION PAN STRESSING	J.R	12.05.2026	S.C
A	ISSUE FOR CONSTRUCTION	J.R	17.10.2025	J.R T.W
01	ISSUED FOR REVIEW	J.R	10.10.2025	T.W K.P

ARCHITECT / BUILDING DESIGNER
EXAMPLE ARCHITECTS

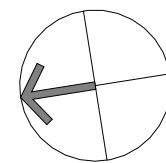
CLIENT
EXAMPLE BUILDERS PTY LTD
LAND OWNER
EXAMPLE DEVELOPMENTS PTY LTD

SAMPLE STRUCTURAL ENGINEERING
CONSULTING STRUCTURAL ENGINEERS

APPROVED	KP
CHECKED	TW
DESIGNED BY	TW
DRAWN BY	JR
CAD FILE	
SCALE	1 : 100
SHEET No.	

PROJECT
EXAMPLE APARTMENTS
STAGE 2

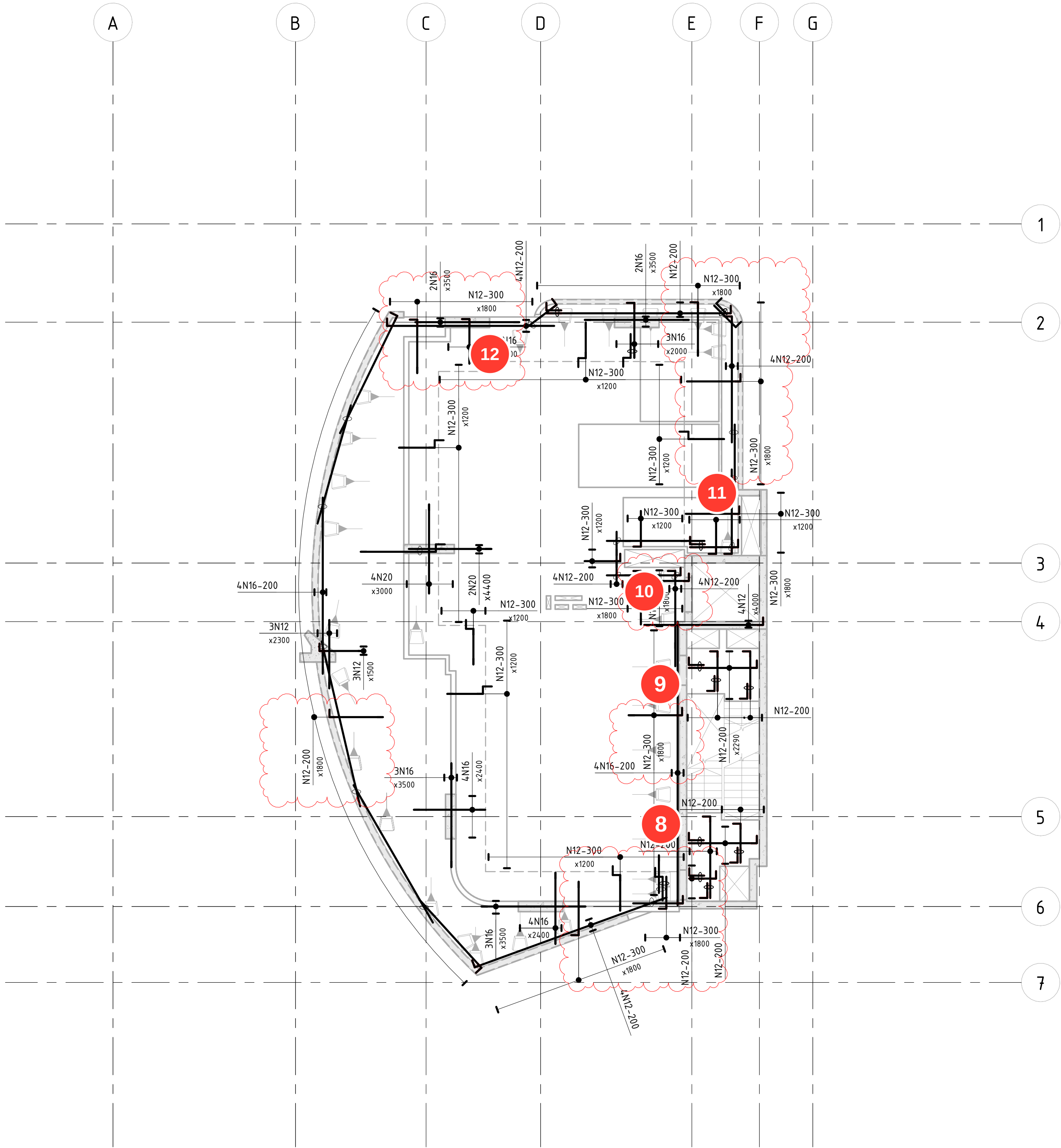
DRAWING TITLE	LEVEL 8 POST TENSION PLAN
PROJECT No.	7214
DRAWING No.	S310
AMDT	B



NORTH POINT

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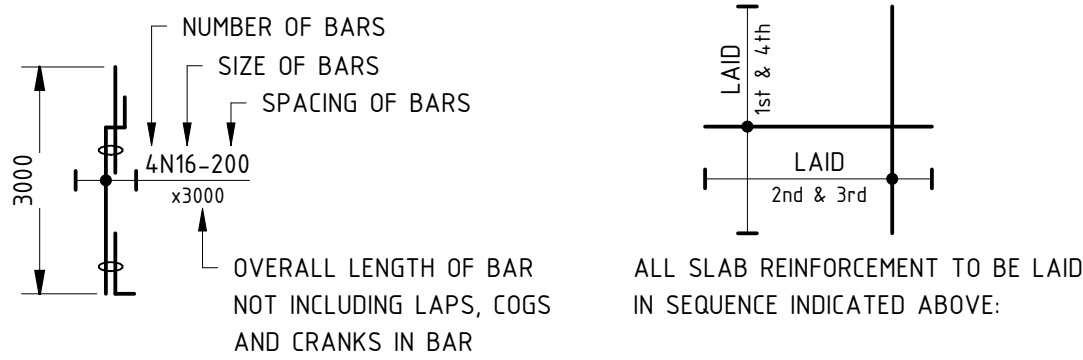
LEVEL 08 - BOTTOM REINFORCEMENT PLAN

SCALE 1 : 100 @ A1

NOTE: ENSURE ALL STEEL FIXERS ARE FAMILIAR WITH THE BAR LAYING SEQUENCE BEFORE COMMENCING ANY WORK ON SITE.

REINFORCEMENT NOTES

- ALL BARS DENOTED AS 'N' (eg. N12) SHALL BE DEFORMED RIBBED BARS. GRADE 500N
- ALL BARS DENOTED AS 'R' (eg. R10) SHALL BE ROUND BARS. GRADE 250N
- ALL SQUARE AND RECTANGULAR MESHES DENOTED AS 'SL' & 'RL' (eg. SL82) SHALL COMPRISE OF DEFORMED RIBBED BARS. GRADE 500N
- ALL REINFORCEMENT SHALL COMPLY WITH AS/NZS 4671-2001
- BAR TAG NOTATION:

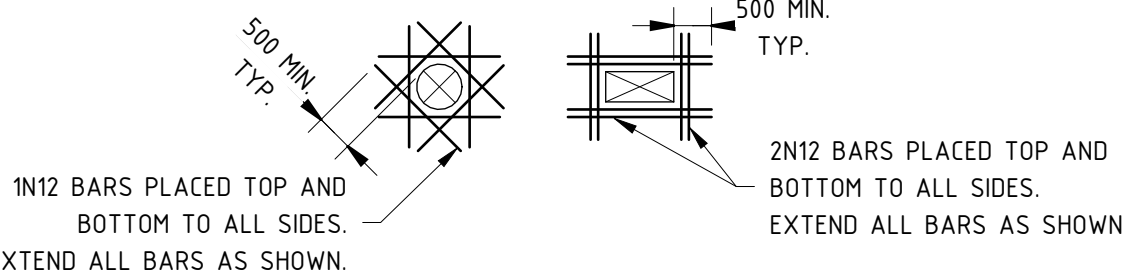


- DENOTES PAN REINFORCEMENT REQUIRED. REFER TO S002 FOR SIZE AND LAYOUT OMITTED FROM PLAN FOR CLARITY PURPOSES.
- ENSURE ALL CROSS RODS LAPPED 600mm MIN. AT ALL RE-ENTRANT CORNERS REINFORCEMENT BARS TO OVERLAP.
- REFER TO TYPICAL STEP DOWN DETAILS FOR ADDITIONAL REINFORCEMENT N.S.O.P.
- CONSTRUCTION MESH REQUIRED IN BEAM OR SLAB DEPTHS GREATER THAN 300mm IS NOT TO BE ACCOUNTED FOR AS PART OF THE PT DESIGN

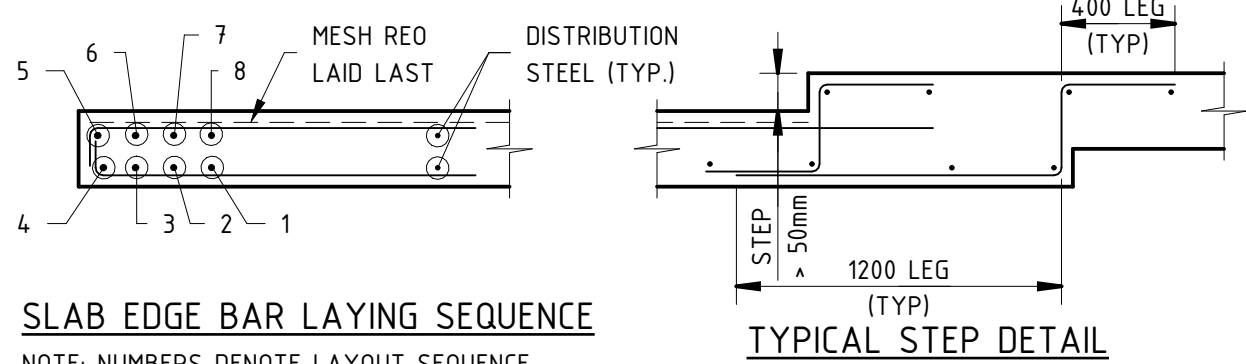
- DENOTES SL82 MESH TOP ADDITIONAL TO ALL EXTERNAL AREAS U.N.O.

- DENOTES BAR COUPLERS TO BE USED AT TEMPORARY HOIST AND CRANE PENETRATION LOCATIONS.

- PROVIDE TRIMMER BAR REINFORCEMENT ONLY WHERE A PENETRATION IS GREATER THAN 300mm x 300mm AND UP TO AND INCLUDING 900mm x 900mm. SUCH PENETRATIONS SHALL HAVE THE FOLLOWING MINIMUM REINFORCEMENT SHOWN BELOW



- PROVIDE N12-900 DISTRIBUTION BARS WHERE NECESSARY TO SUPPORT MAIN REINFORCEMENT. REFER TO BELOW BAR LAYING SEQUENCE.



SLAB EDGE BAR LAYING SEQUENCE
NOTE: NUMBERS DENOTE LAYOUT SEQUENCE

BAR LAP & ANCHORAGE

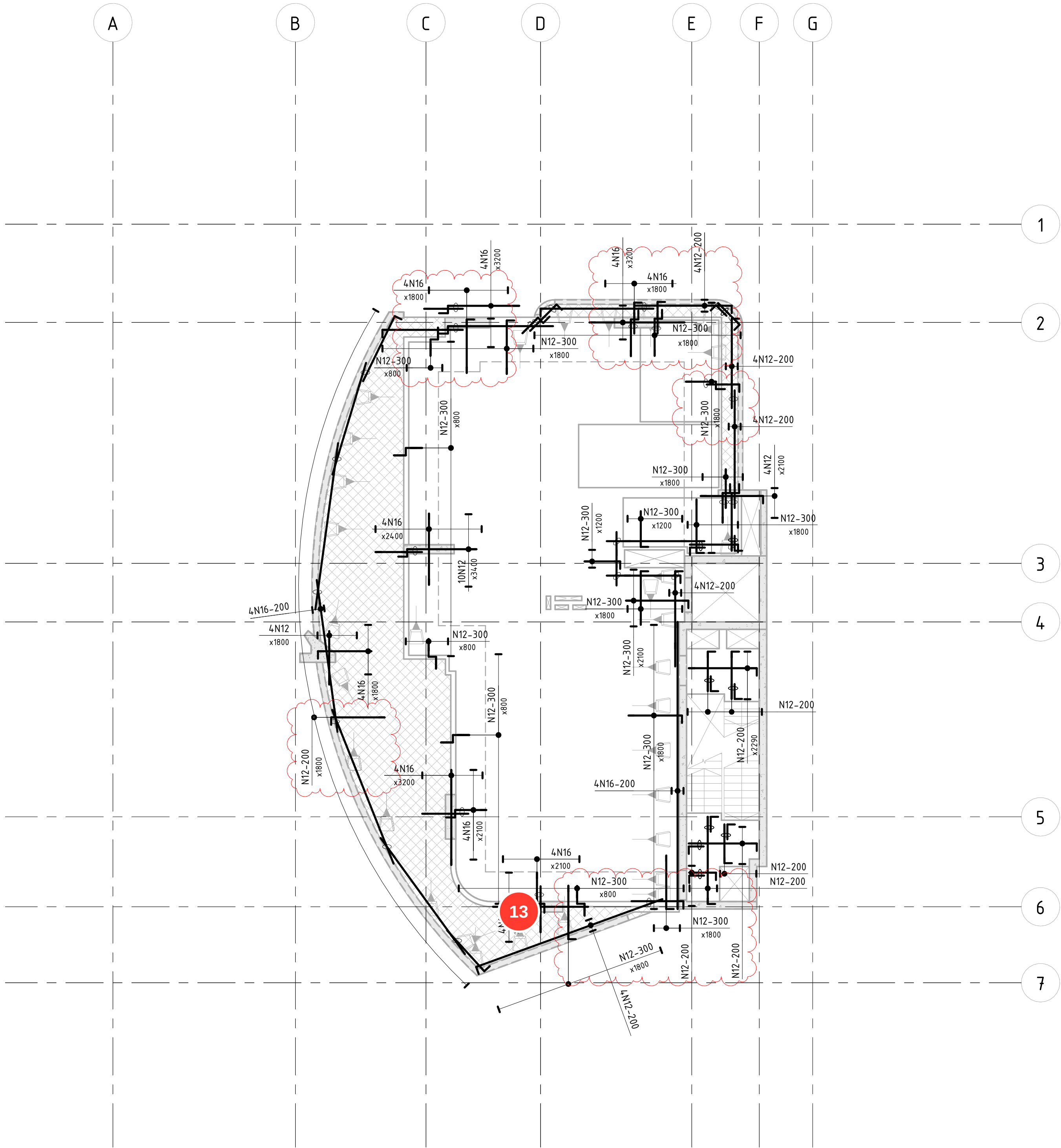
BAR	LAP LENGTH	
	WHERE CONC. BELOW BAR IS LESS THAN OR EQUAL TO 300	WHERE CONC. BELOW BAR IS GREATER THAN 300
N12	500	700
N16	700	900
N20	900	1200
N24	1100	1500
N28	1400	1800
N32	1600	2100
N36	1800	2300

NOTE:
ALL LAPS TO BE CONTACT SPLICES

No.	AMENDMENT	APPROVED	DATE	AMEND BY	ARCHITECT / BUILDING DESIGNER	CLIENT	PROJECT	DRAWING TITLE	PROJECT No.	DRAWING No.	AMDT
					EXAMPLE ARCHITECTS	EXAMPLE BUILDERS PTY LTD	EXAMPLE APARTMENTS	LEVEL 8 BOTTOM REINFORCEMENT PLAN	7214	S418	B
B	AMENDMENT TO POST TENSION PAN STRESSING	J.R	12.05.2026	S.C.		EXAMPLE DEVELOPMENTS PTY LTD	STAGE 2				
A	ISSUE FOR CONSTRUCTION	J.R	17.10.2025	J.R T.W							
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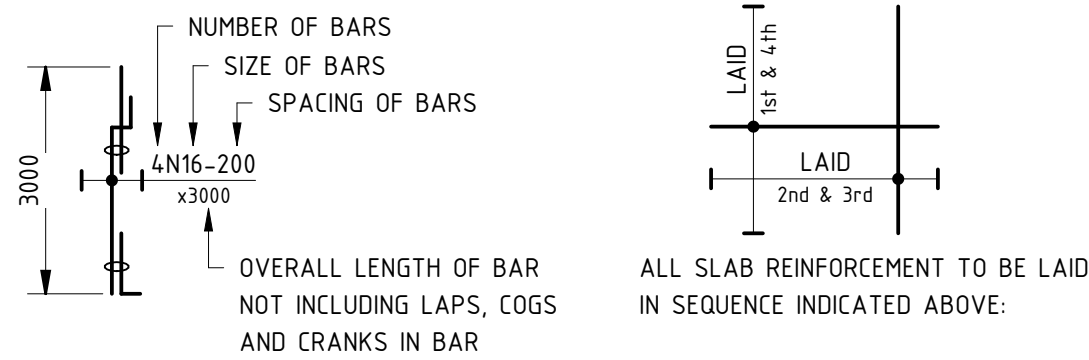
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SCALE 1 : 100 @ A1

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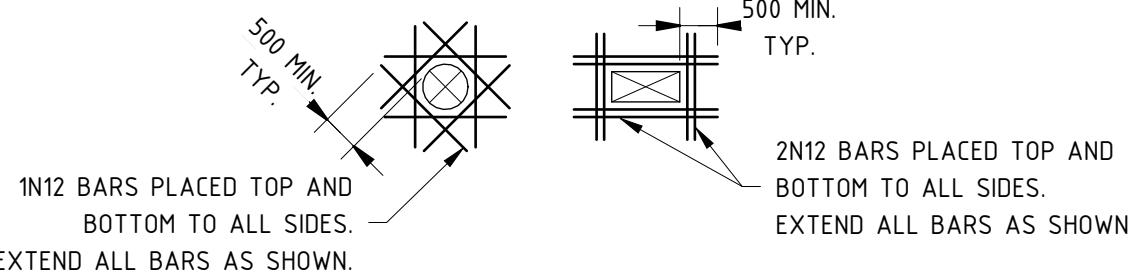


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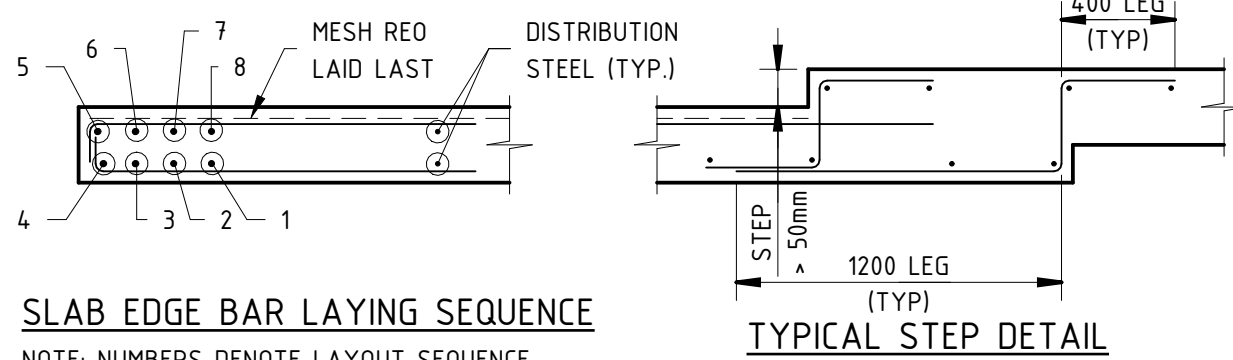
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					EXAMPLE ARCHITECTS	EXAMPLE BUILDERS PTY LTD	EXAMPLE APARTMENTS	LEVEL 8 TOP REINFORCEMENT PLAN	7214	S419	B
B	AMENDMENT TO POST TENSION PAN STRESSING	J.R	12.05.2026	S.C.		EXAMPLE DEVELOPMENTS PTY LTD	STAGE 2				
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KP
CHECKED
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DESIGNED BY
TW
DRAWN BY
JR
CAD FILE
SCALE
1 : 100
SHEET No.

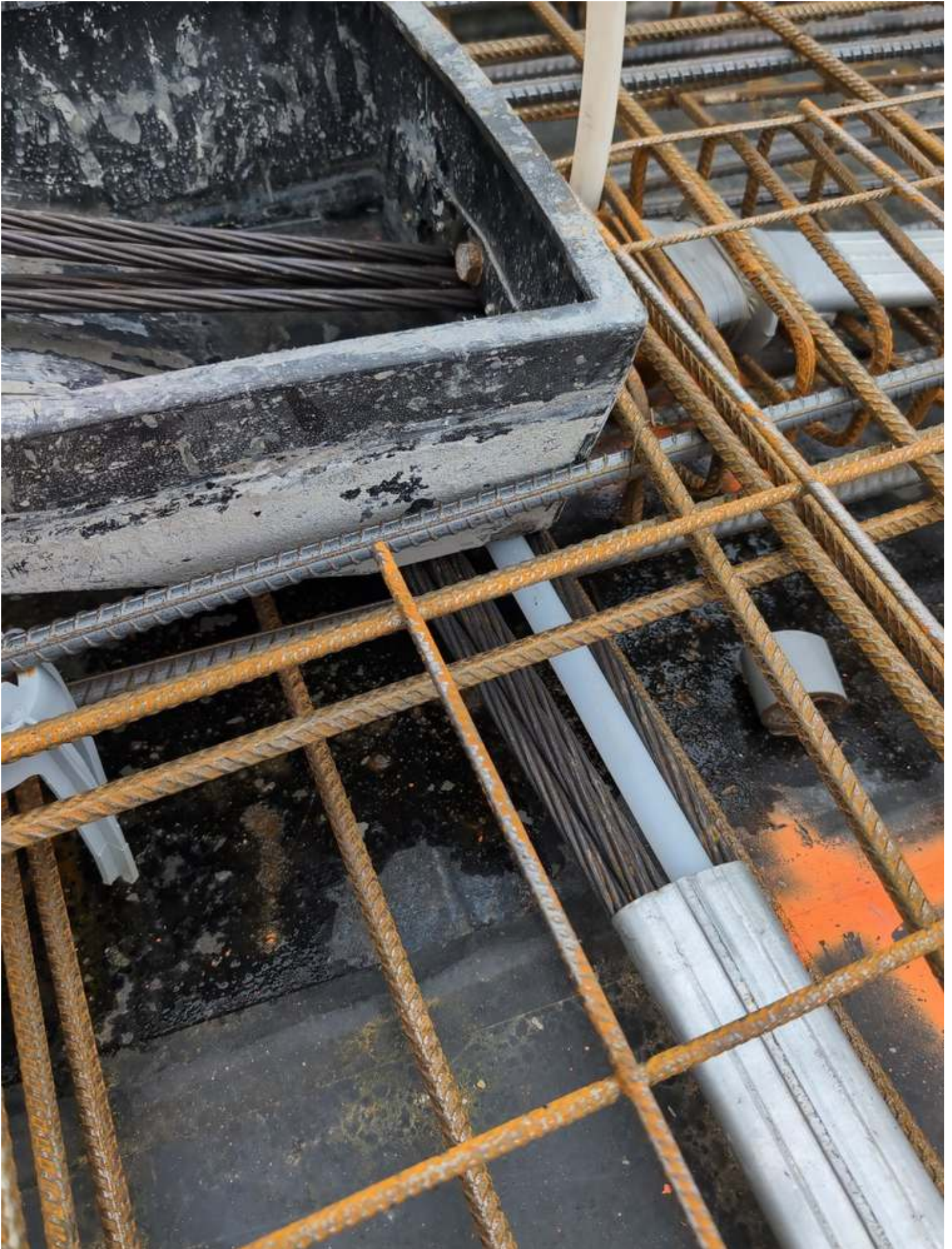
CONSULTING STRUCTURAL ENGINEERS



Check 150 high point provided



Cover between DP and PT



Cover between pan and tendon



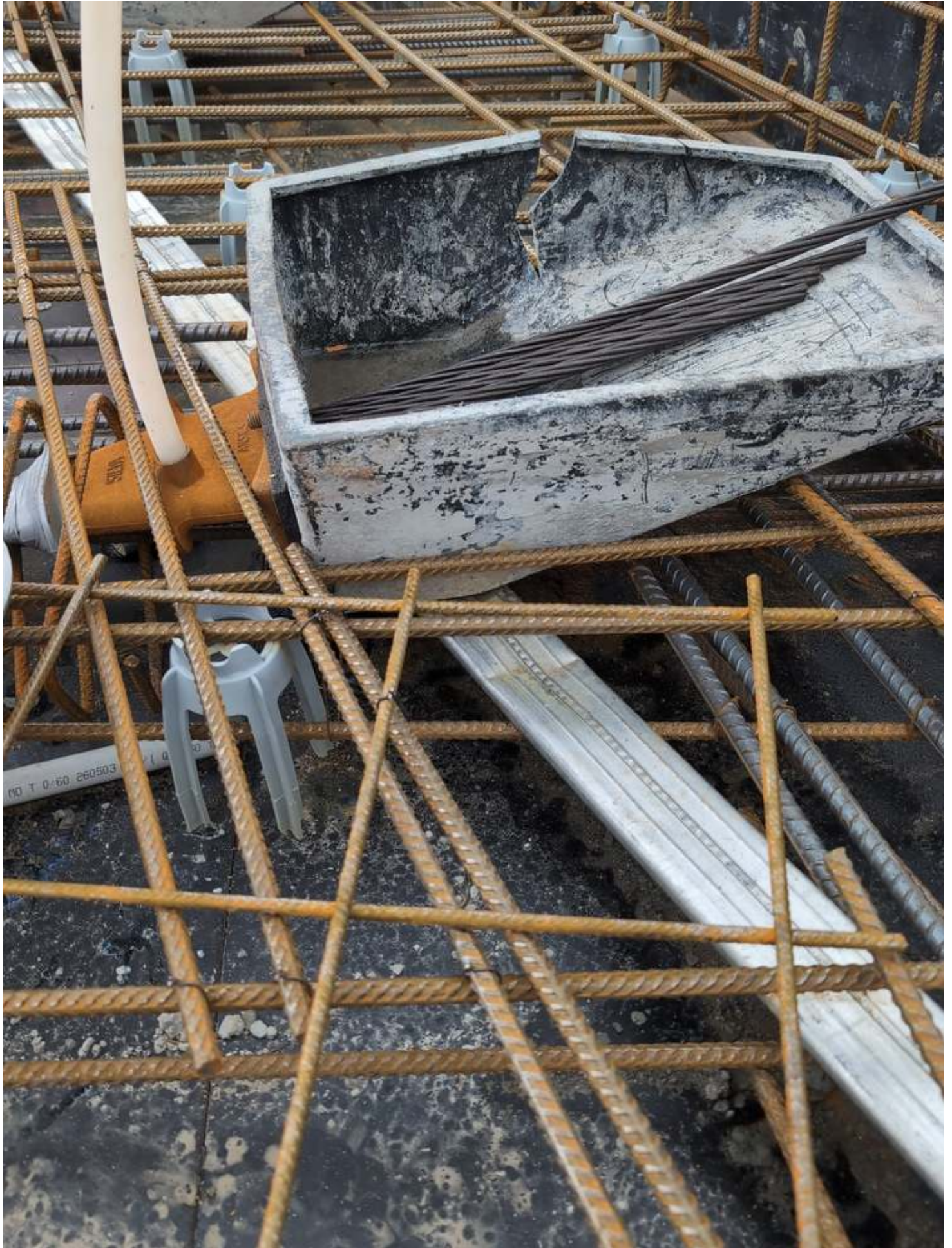
Cover from PT to DP



Cover between PT and services



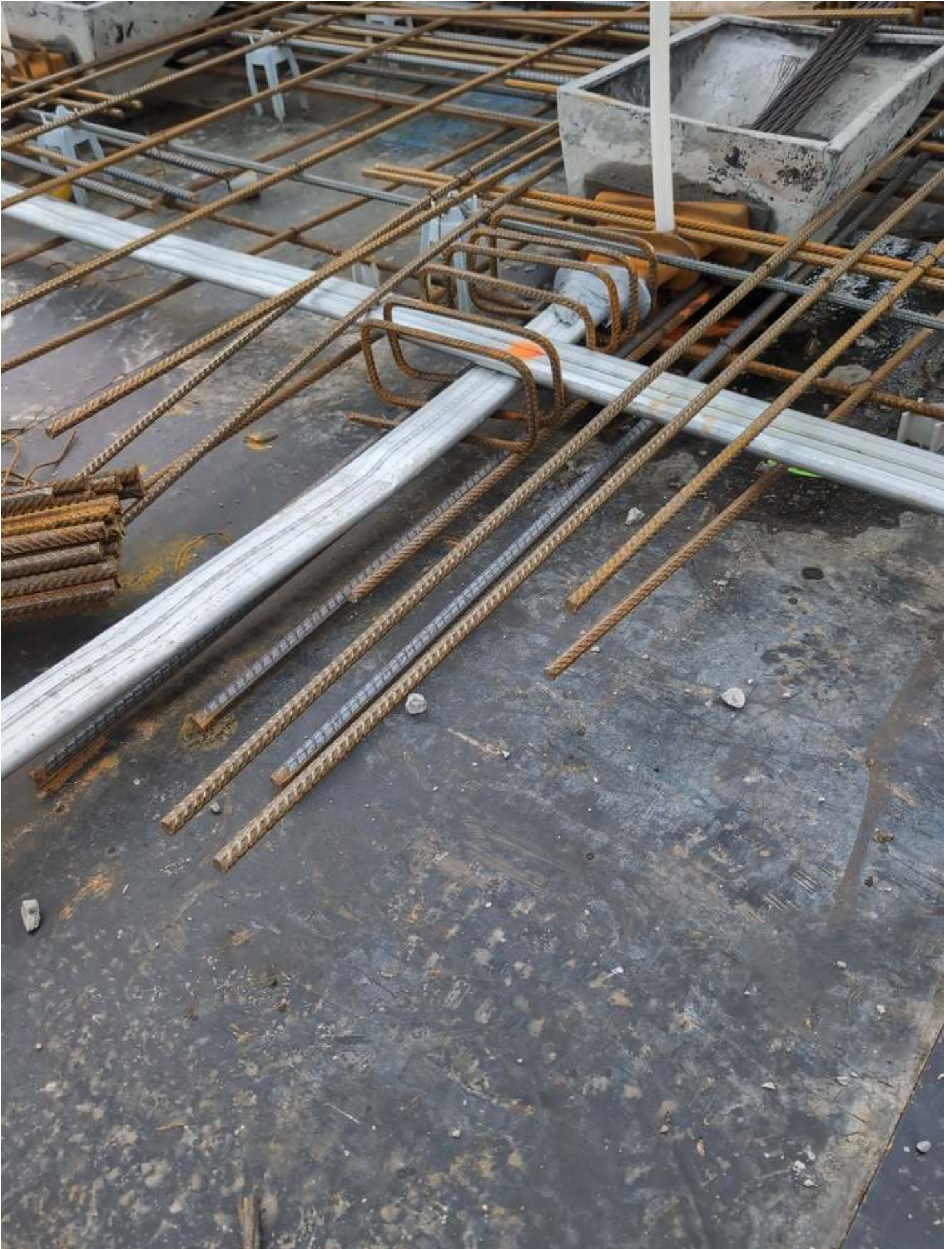
Fix high point chairs



Cover between pan and tendon



Chair btm reo



Chair btm reo



Chair/tie up antiburst





Add horizontal bars to wall into slab



Btm 3N16 missing



Top N16s to be chaired to top layer (above DP)