

DESIGN NOTES:

PRELIMINARY STRUCTURAL LAYOUT SHOWN FOR INFORMATION ONLY AND IS SUBJECT TO CHANGE THROUGHOUT DESIGN DEVELOPMENT.

PLANS TO BE READ IN CONJUNCTION WITH RBG STRUCTURAL CONCEPT DESIGN REPORT 23491-RBG-ZZ-XX-RP-ST-00002

ALL RC WALLS TO BE 300 WIDE MIN.

ALL RC COLUMNS TO BE EITHER:
650 ROUND
1000 x 400 RECTANGULAR

ALL SLABS AND BEAMS TO BE POST TENSIONED CONCRETE WITH THICKNESSES AS NOTED.

ALL CONCRETE BEAMS TO BE 2400 WIDE UNLESS NOTED OTHERWISE

LEGEND

- CONCRETE BEAM
- CONCRETE WALL OVER
- CONCRETE COLUMN OVER
- CONCRETE STRUCTURE UNDER ONLY

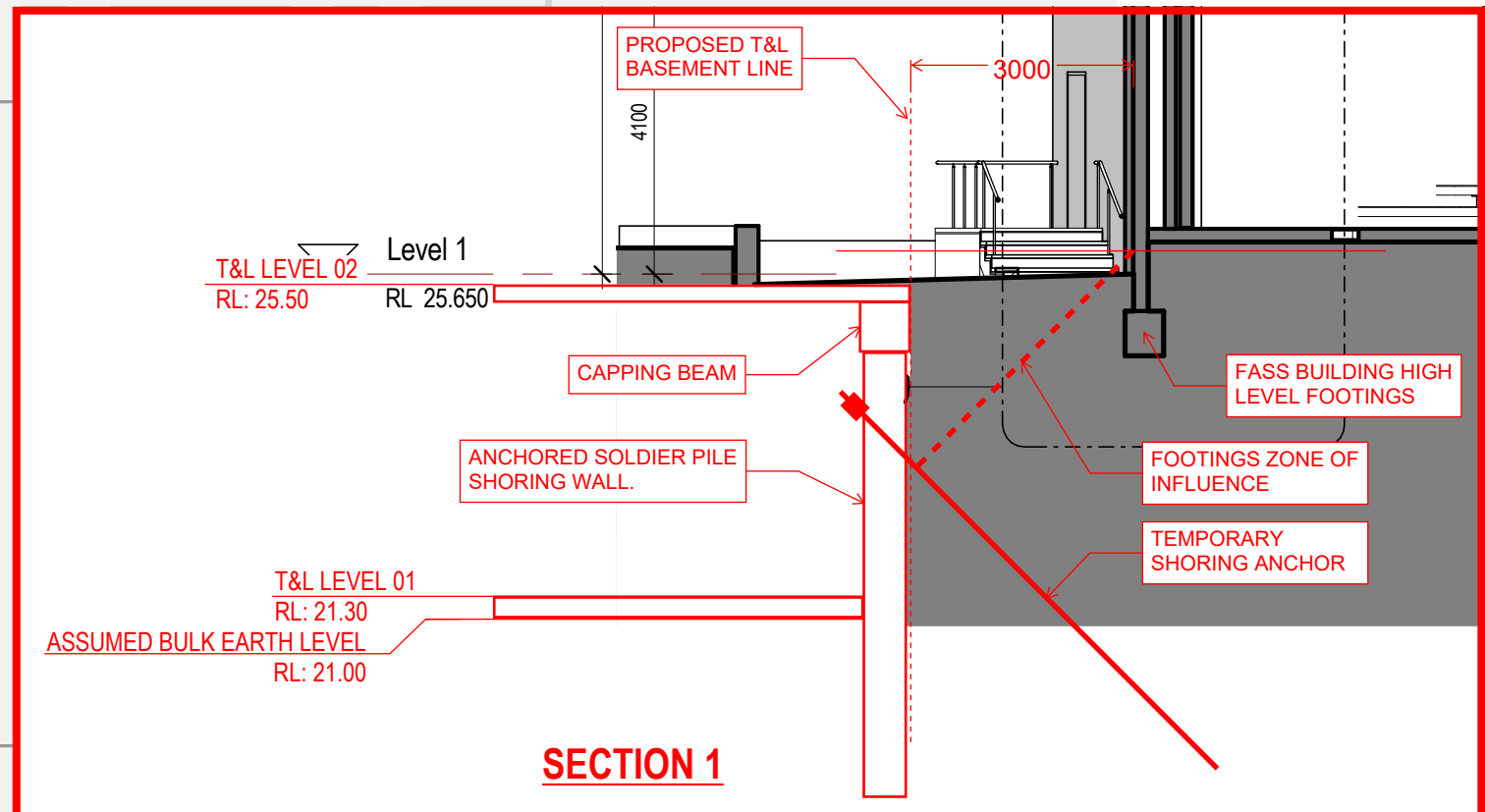
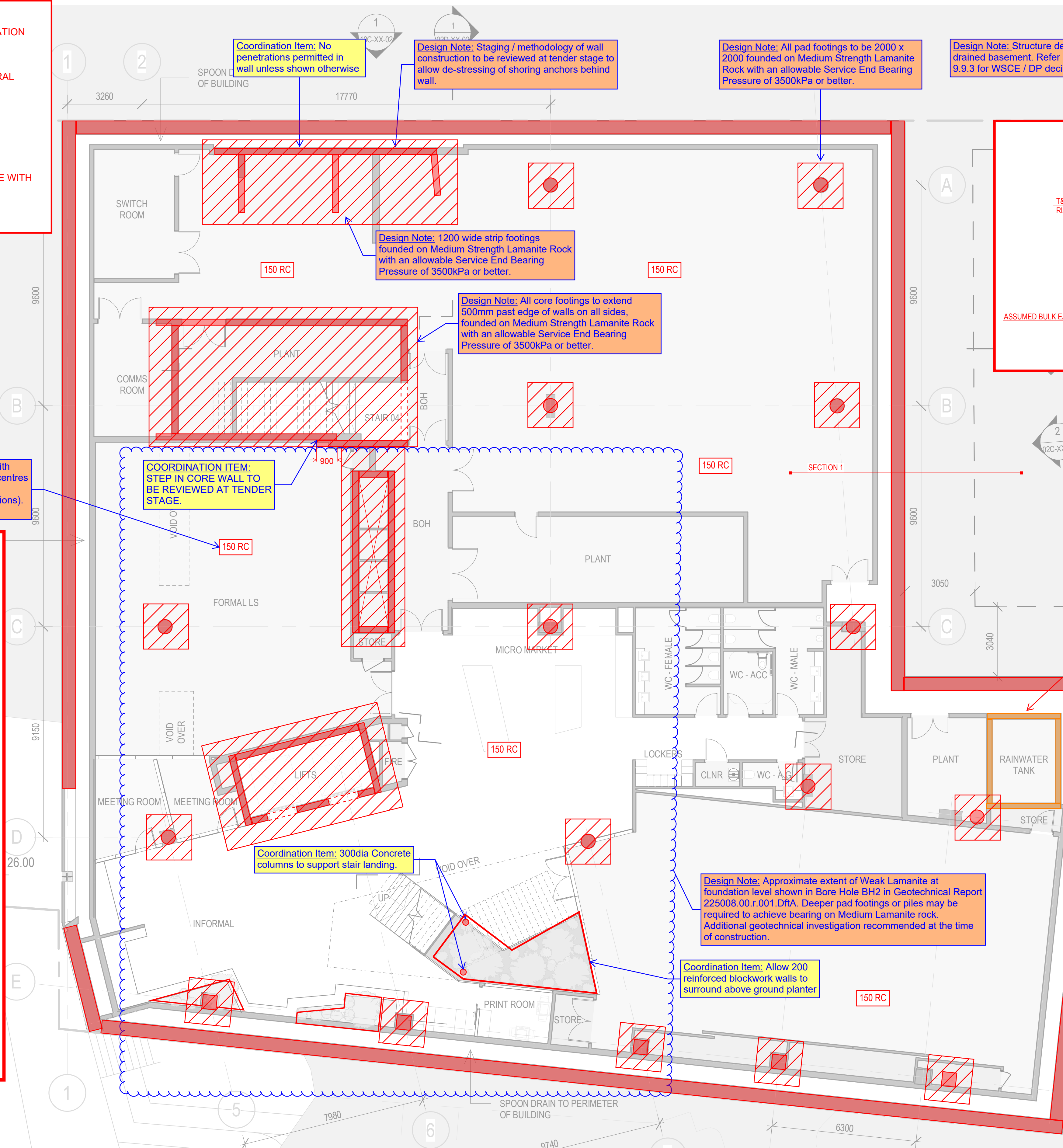
SAWN JOINT (S.J.)

25 DEEP SAW CUT WITHIN 12 HOURS OF POURING

REMOVE (CUT) EVERY SECOND WIRE OF REINFORCEMENT MESH FOR A LENGTH OF 100 (50 EACH SIDE OF JOINT)

CONSTRUCTION JOINT (C.J.)
(AT LOCATIONS AS REQ'D BY BUILDER)

TYPICAL EDGE THICKENING



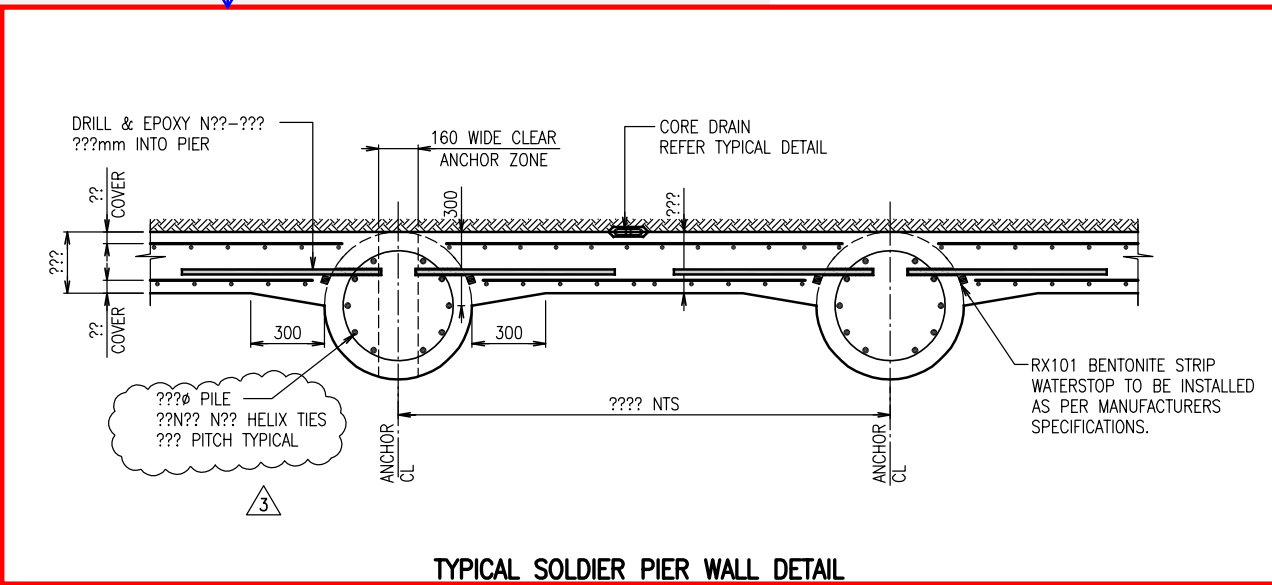
APPROVED

I hereby confirm that I have viewed all drawings in this set and they are approved for issue.
I also confirm that any design check and review processes required for this issue by the Design Check and Review Work Practice have been completed.

Approved by: ross.whiteside
Date/Time: 20/08/2024 09:12:19 GMT+1000

250 RC Non load bearing walls to perimeter of rainwater tank

Design Note: 600dia soldier pile wall with 200mm thick shotcrete wall. Pile centres and shoring anchor set out to be determined at tender stage in coordination with Geotechnical Engineer



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Robert Bird Group Pty Ltd
PO Box A2309 Sydney South, NSW 1235
Level 11 151 Castlereagh St Sydney NSW 2000
Ph. (02) 8246 3200
ACN 010 580 248
Web Site: www.robertbird.com



P14	40% SSDA ISSUE	19.08.24
P13	40% SSDA ISSUE	20.06.24
P12	PRELIMINARY INFORMATION	16.05.24
P11	PRELIMINARY INFORMATION	06.05.24
P10	PRELIMINARY INFORMATION	19.04.24
Rev.	Revision Description	Date

Client: UNIVERSITY OF SYDNEY

Project/Job: USYD ROSS STREET

Subject: FLOOR PLAN LEVEL 01

Designer: RK

Checker:

Approved: RW

Job No: 23491

Sheet No: SK-ST-08001

Rev: P14

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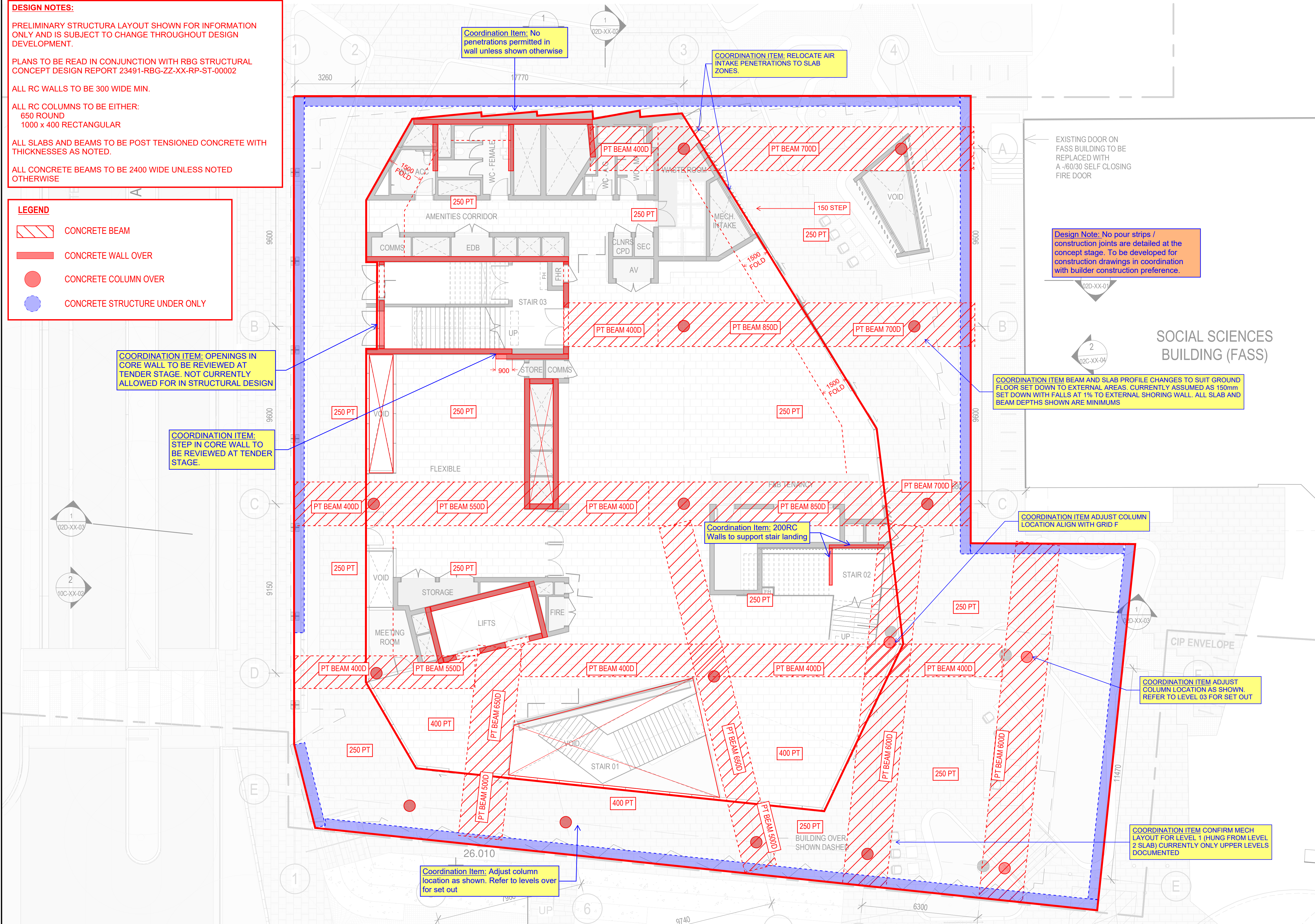
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Rev.	Revision Description	Date

Client:	UNIVERSITY OF SYDNEY
Project/Job:	USYD ROSS STREET
Subject:	FLOOR PLAN LEVEL 02

Designer:	RK	Job No:	23491
Checker:		Sheet No:	SK-ST-08002
Approved:	RW	Rev:	P14

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 CONCRETE STRUCTURE UNDER ONLY



CONCRETE WALL OVER

CONCRETE COLUMN OVER

CONCRETE STRUCTURE UNDER ONLY

COORDINATION ITEM:
STEP IN CORE WALL TO
BE REVIEWED AT TENDER
STAGE.

COORDINATION ITEM ADJUST COLUMN
LOCATION ALIGN WITH GRID F

Design Note: No pour strips / construction joints are detailed at the concept stage. To be developed for construction drawings in coordination with builder construction preference.

Design Note: Facade loading assumed as 10kN/m to full perimeter. Opportunity for design refinement based on loads provided by Facade Engineer in Aconex correspondence Mott Mac-GCOR-000023

Design Note: Opportunity for design refinement of slabs following confirmation of floor finishes and concrete set down requirements.

Coordination Item: All slabs and beams to be edge stressed. Coordination required between facade fixing points and PT anchor blocks.

COORDINATION ITEM ADJUST COLUMN
LOCATION TO LIMIT SLAB CANTILEVER TO
MAX 2600mm

LIGHT WEIGHT METAL CLADDING
FACADE PER ADJACENT SNIP.
ASSUMED FACADE LOAD 5kN/m.

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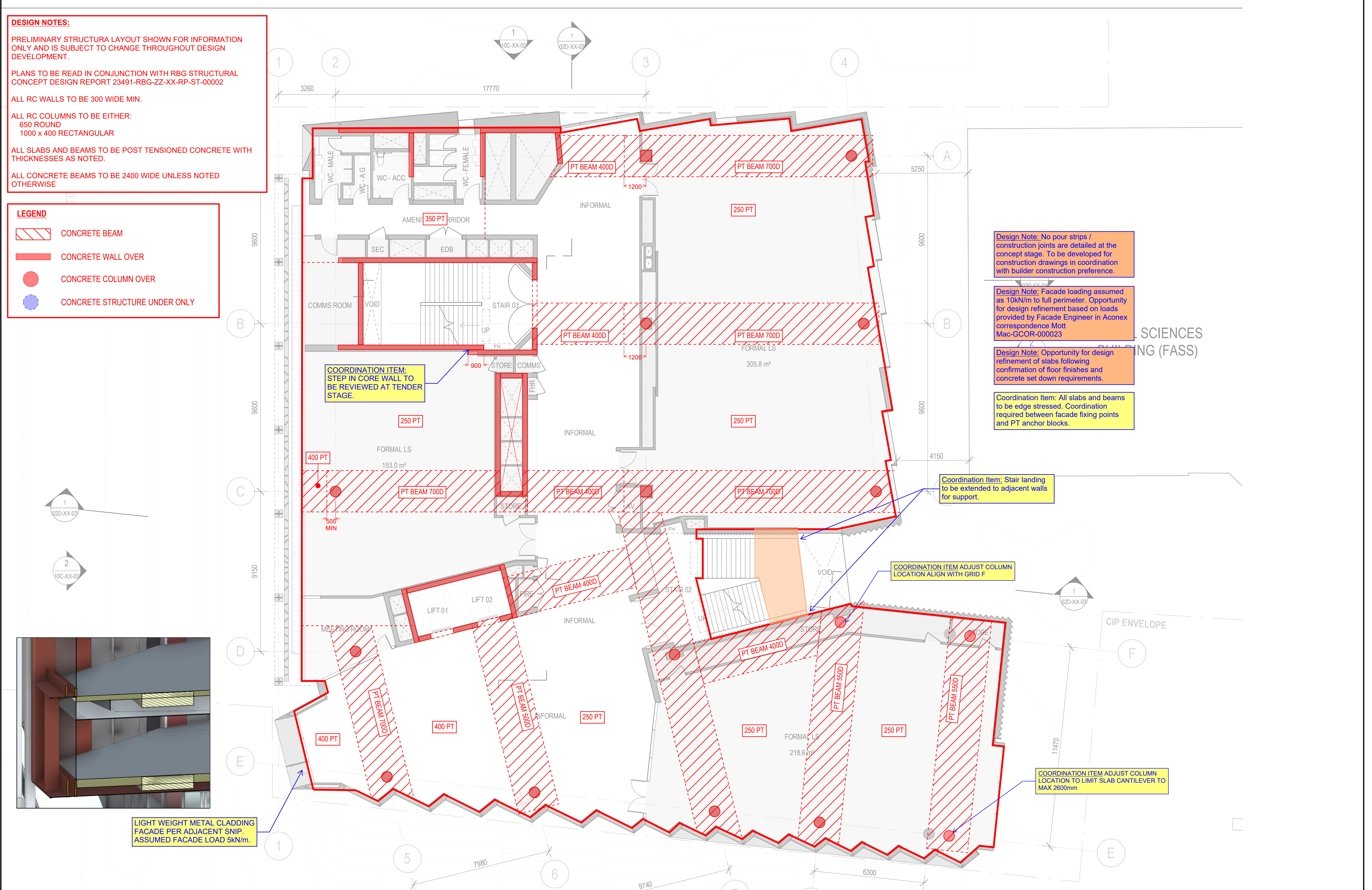


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Client:	UNIVERSITY OF SYDNEY
Project/Job:	USYD ROSS STREET
Subject:	FLOOR PLAN LEVEL 04

Designer:	RK
Checker:	
Approved:	RW

Job No: 23491
Sheet No: SK-ST-08003
Rev: P14



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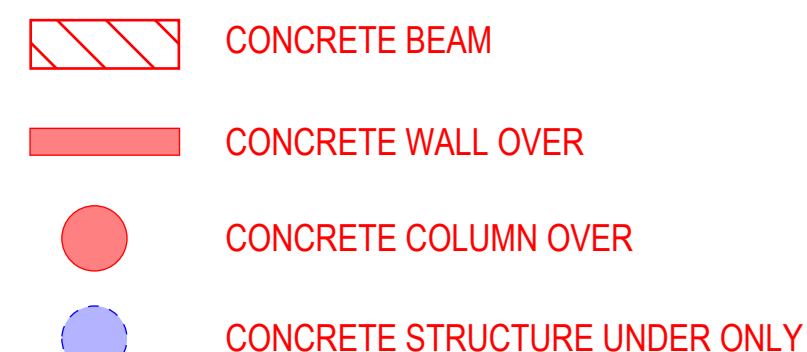
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Design Note: No pour strips / construction joints are detailed at the concept stage. To be developed for construction drawings in coordination with builder construction preference.

Design Note: Facade loading assumed as 10kN/m to full perimeter. Opportunity for design refinement based on loads provided by Facade Engineer in Aconex correspondence Mott
Mac-GCOR-000023

Design Note: Opportunity for design refinement of slabs following confirmation of floor finishes and concrete set down requirements.

Coordination Item: All slabs and beams to be edge stressed. Coordination required between facade fixing points and PT anchor blocks.

Coordination Item: Stair landing to be extended to adjacent walls for support.

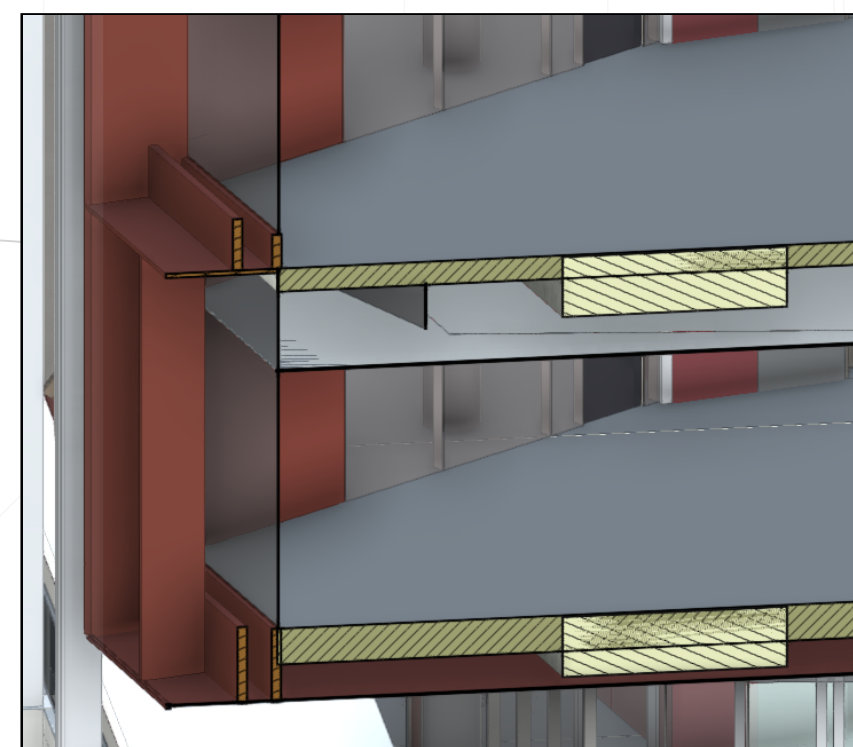
COORDINATION ITEM ADJUST COLUMN
LOCATION ALIGN WITH GRID F

COORDINATION ITEM ADJUST COLUMN LOCATION TO LIMIT SLAB CANTILEVER TO MAX 2600mm

Coordination Item: Set down to Winter Garden to be coordinated at next stage.

Coordination Item: Limited planting at edge of cantilever permitted. Final layout coordinated at next stage

LIGHT WEIGHT METAL CLADDING
FACADE PER ADJACENT SNIP.
ASSUMED FACADE LOAD 5kN/m.



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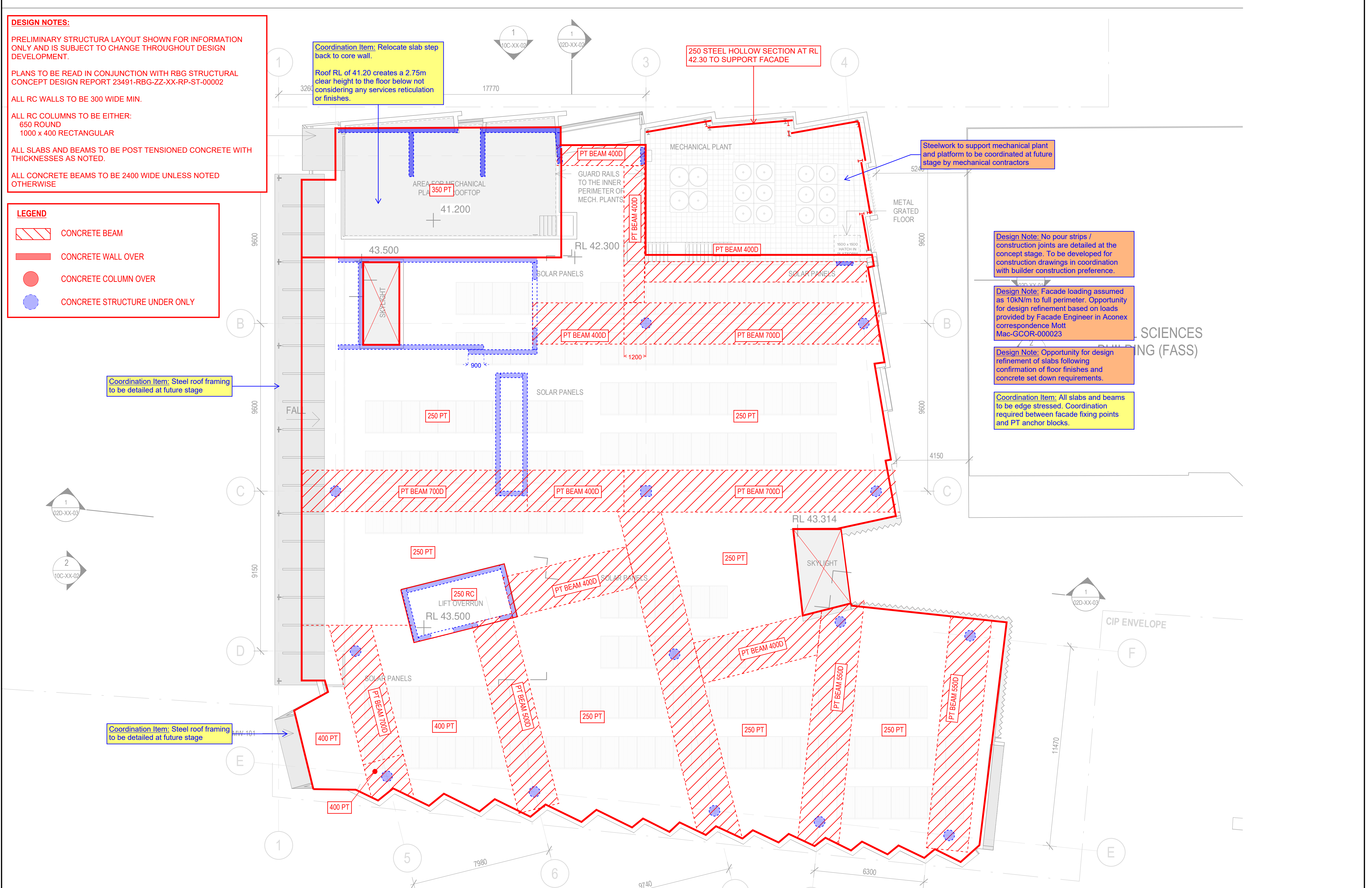


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Rev.	Revision Description	Date

Client:	UNIVERSITY OF SYDNEY
Project/Job:	USYD ROSS STREET
Subject:	FLOOR PLAN LEVEL 04

Designer:	RK
Checker:	
Approved:	RW

Job No: 23491
Sheet No: SK-ST-08005
Rev: P14



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Client:	UNIVERSITY OF SYDNEY
Project/Job:	USYD ROSS STREET
Subject:	FLOOR PLAN LEVEL 06

Designer:	RK	Job No:	23491
Checker:		Sheet No:	SK-ST-08006
Approved:	RW	Rev:	P14

SYDNEY OFFICE

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Reference: 23491-RBG-XX-XX-CS-ST-00001

25/09/2024

22 Codrington Street,
the University of Sydney,
Sydney
NSW 2006 Australia

Attention: Nora Babik

Dear Nora

RE: ROSS STREET TEACHING AND LEARNING HUB

This is to certify that we have been commissioned by the University of Sydney to carry out structural design on the above project.

We further certify that the structural design will be verified by a competent engineer who will not be involved in the original design. This check will ensure conformance of the design with Australian Standards and Codes relevant to the structural component, as referenced in the National Construction Code, and accepted engineering principles.

It is considered that the following wind category and loads will be applicable to the structure:

Terrain Category	TC3
Regional Wind Speed	46m/sec
Region	A2
Importance	2

We undertake to notify the relevant Authority in writing should our commission be terminated in any way.

Yours faithfully



BONAR BUCALINA
CPEng No. 5353980
Signing for and on behalf of
ROBERT BIRD GROUP PTY LTD