



Ultimate Steel Framing  
6 Hilldon Court,  
Nerang Qld 4211

Job No. 22-1072

### **Structural Compliance Certificate (Construction)**

**Description of Inspection:** Steel Frame, Steel Trusses and Structural Steel Inspection for Proposed Building 3  
Kingscliff Primary School.  
Inspection 10<sup>th</sup> March 2023 & 16<sup>th</sup> March 2023

**Location Address:** 12 Orient Street, Kingscliff NSW 2487  
Lot 1 DP384195

#### **COMPONENTS CERTIFIED:**

The Steel Frames, Steel Trusses and Structural Steel of the proposed building at the above address, have been inspected, and found to be constructed in accordance with the Building Code of Australia & nominated designs.

At time of inspection, all aspects appeared to be carried out in accordance with Current Building Codes of Australia & National Construction Codes & Standards

#### **Australian Standards/Reference Documents in accordance with the NCC 2019 Building Code of Australia and Amendments as follows:**

- AS/NZS: 1170.0: 2002 (R2016) (Structural Design Actions) (General Purpose),
- AS/NZS: 1170.1: 2002 (R2016) (Structural Design Actions) (Permanent Imposed & Other Actions),
- AS/NZS: 1170.4: 2007 Amdts 2 (R2018) (Structural Design Actions - Earthquake Actions in Aus)
- AS/NZS: 1252: 1996 (High Strength Steel Bolts with Assoc. Nuts & Washers for Structural Engineering)
- AS/NZS: 1554.1: 2014 (Structural Steel Welding),
- AS/NZS: 2312.1: 2014 (Or Similar being a Corrosion Protection)  
(Protection of Structural Steel against Corrosion, by use of Protective Coating–Paint Coating)
- AS/NZS: 3660.SET: 2014 (Termite Management),
- AS/NZS: 4600: 2018 (Cold Formed Steel Structures),
- AS/NZS 3679.1:2016 (Structural Steel Hot Rolled bars and sections)
- AS/NZS: 1170.2: 2021 Structural Design Actions - Wind Actions
- AS: 4100: 2020 (Steel Structures)

Building Class (9B), Importance Level (3), Terrain Category (T1.51) Wind Class (B) = 61.97 m/sec

#### **Reference Documentation:**

Architectural Drawings by: Bickerton Masters Project No. BR200435 Pages: 1-12

#### **Reference Drawings:**

By Ultimate Steel Framing, 6 Hilldon Crt, Nerang Qld 4211

Reference – Pages 1-6

Truss Details – Pages 7-50

Hipset Details – Pages 51-58

Jack-trusses Details – Pages 59-74

Wall Details – Pages 75-179



**Drawings to be Certified:**

By Ultimate Steel Framing, 6 Hilldon Crt, Nerang Qld 4211

**Project No. / Name:** Kingscliff Primary School/12 Orient Street, Kingscliff

- Steel Beam Requirements-Building 3 – **Pages:** 1-2 **Date:** 18/09/2022

**Certified by, Graeme Moulston & Associates Engineering Pty Ltd**

**Job No:** (22-1072) **Drawings:** 1-2 **Dated:** 19/09/2022

Yours Faithfully,

Graeme Moulston

FIEAUST CPEng 5590 + RPEQ 4431

Dated: 17<sup>th</sup> March 2023

RE: Frame Inspection: 22-1072-B Kingsciff Primary School

Emmi  
on behalf of  
info@gcma.com.au

Mon 3/6/2023 6:25 PM

To: Mitchell Crisp <Mitchell@ultimatesf.com.au>

Hi Mitchell,

All booked in for 10am QLD Time on Friday.

Any issues or concerns please don't hesitate in contacting us directly.

*Kind Regards,*

*Emmi Tummon*

**Graeme Moulston & Associates Engineering Pty Ltd**

**PO Box 213**

**Mudgeeraba Qld 4213**

**PH 07 55 306214**

[info@gcma.com.au](mailto:info@gcma.com.au)

<https://www.youtube.com/watch?v=gPFbAZtYZas>

---

**From:** Mitchell Crisp <[Mitchell@ultimatesf.com.au](mailto:Mitchell@ultimatesf.com.au)>

**Sent:** Monday, March 6, 2023 1:19 PM

**To:** [info@gcma.com.au](mailto:info@gcma.com.au)

**Subject:** RE: Frame Inspection: 22-1072-B Kingsciff Primary School

Hi Emmi,

That is fine, I will take Friday 10am.

Regards,  
Mitchell Crisp



Ultimate Steel Framing Pty Ltd

QBCC Lic # 1316446 A.B.N 35 604 906 756

6 Hilldon Crt, NERANG. 4211. Qld.

Email: [Mitchell@ultimatesf.com.au](mailto:Mitchell@ultimatesf.com.au)

Phone: 1300 804 611 (61 7) 5596-5252

<http://www.ultimatesf.com.au>

---

**From:** Emmi <[emmi@gcma.com.au](mailto:emmi@gcma.com.au)> **On Behalf Of** [info@gcma.com.au](mailto:info@gcma.com.au)  
**Sent:** Monday, 6 March 2023 12:37 PM  
**To:** Mitchell Crisp <[Mitchell@ultimatesf.com.au](mailto:Mitchell@ultimatesf.com.au)>  
**Subject:** RE: Frame Inspection: 22-1072-B Kingsciff Primary School

Hi Mitchell,

Unfortunately Graeme is booked out this week until Thursday, we could book him in on Friday morning at 10am QLD time, Friday the 10th?

Please let me know if you have any questions or concerns.

*Kind Regards,*

*Emmi Tummon*

**Graeme Moulston & Associates Engineering Pty Ltd**  
**PO Box 213**  
**Mudgeeraba Qld 4213**  
**PH 07 55 306214**  
[info@gcma.com.au](mailto:info@gcma.com.au)  
<https://www.youtube.com/watch?v=gPFbAZtYZas>

---

**From:** Mitchell Crisp <[Mitchell@ultimatesf.com.au](mailto:Mitchell@ultimatesf.com.au)>  
**Sent:** Monday, March 6, 2023 10:50 AM  
**To:** Graeme Moulston & Associates Engineering <[info@gcma.com.au](mailto:info@gcma.com.au)>  
**Subject:** Frame Inspection: 22-1072-B Kingsciff Primary School

Good Morning,

May I please get a frame inspection completed for 22-1072-B Kingscliff Primary school Building 4 Ground floor. Building 3 may also be ready for inspection 22-1072

Can I book it for Wednesday 8<sup>th</sup>?  
Contact on site is Trent 0481 268 757

Regards,  
Mitchell Crisp



Ultimate Steel Framing Pty Ltd

QBCC Lic # 1316446 A.B.N 35 604 906 756

6 Hildon Crt, NERANG. 4211. Qld.

Email: [Mitchell@ultimatesf.com.au](mailto:Mitchell@ultimatesf.com.au)  
Phone: 1300 804 611 (61 7) 5596-5252  
<http://www.ultimatesf.com.au>



Ultimate Steel Framing  
6 Hilldon Court,  
Nerang Qld 4211

Job No. 22-1072

## Structural Compliance Certificate (Construction)

**Description of Inspection:** Steel Frame, Steel Trusses and Structural Steel Inspection for Building 4 Level 1 - Kingscliff Primary School.  
Inspection 29<sup>th</sup> May 2023

**Location Address:** 12 Orient Street, Kingscliff NSW 2487  
Lot 1 DP384195

### **COMPONENTS CERTIFIED:**

The Steel Frames, Steel Trusses and Structural Steel of the proposed building at the above address, have been inspected, and found to be constructed in accordance with the Building Code of Australia & nominated designs.

At time of inspection, all aspects appeared to be carried out in accordance with Current Building Codes of Australia & National Construction Codes & Standards

### **Australian Standards/Reference Documents in accordance with the NCC 2019 Building Code of Australia and Amendments as follows:**

- AS/NZS: 1170.0: 2002 (R2016) (Structural Design Actions) (General Purpose),
- AS/NZS: 1170.1: 2002 (R2016) (Structural Design Actions) (Permanent Imposed & Other Actions),
- AS/NZS: 1170.4: 2007 Amdts 2 (R2018) (Structural Design Actions - Earthquake Actions in Aus)
- AS/NZS: 1252: 1996 (High Strength Steel Bolts with Assoc. Nuts & Washers for Structural Engineering)
- AS/NZS: 1554.1: 2014 (Structural Steel Welding),
- AS/NZS: 2312.1: 2014 (Or Similar being a Corrosion Protection)  
(Protection of Structural Steel against Corrosion, by use of Protective Coating–Paint Coating)
- AS/NZS: 3660.SET: 2014 (Termite Management),
- AS/NZS: 4600: 2018 (Cold Formed Steel Structures),
- AS/NZS 3679.1:2016 (Structural Steel Hot Rolled bars and sections)
- AS/NZS: 1170.2: 2021 Structural Design Actions - Wind Actions
- AS: 4100: 2020 (Steel Structures)

Building Class (9B), Importance Level (3), Terrain Category (T1.51) Wind Class (B) = 61.97 m/sec

### **Reference Documentation:**

Architectural Drawings by: Bickerton Masters Project No. BR200435 Pages: 1-12

### **Reference Drawings:**

By Ultimate Steel Framing, 6 Hilldon Crt, Nerang Qld 4211

Reference – Pages 1-7

Wind-bracing Forces – Page 21

Truss Details – Pages 22-107

Hipset Details – Pages 108-115

Jack-trusses Details – Pages 116-130

Wall Details – Pages 131-357



**Drawings to be Certified:**

By Ultimate Steel Framing, 6 Hilldon Crt, Nerang Qld 4211  
Project No. / Name: Kingscliff Primary School/12 Orient Street, Kingscliff  
-kc-v4-b4-Endurocadd-sheets-22-09-2022 – Pages: 8-20 Date: 18/09/2022

**Certified by, Graeme Moulston & Associates Engineering Pty Ltd**  
Job No: (22-1072-B) Drawings: 1-13 Dated: 27/09/2022

Yours Faithfully,

Graeme Moulston  
FIEAUST CPEng 5590 + RPEQ 4431  
Dated: 29<sup>th</sup> May 2023

(Possible Spam) RE: Inspection: Kingscliff Public School 22-1072B

Graeme Moulston & Associates Engineering

Tue 5/23/2023 2:47 PM

To: Mitchell Crisp <Mitchell@ultimatesf.com.au>

Great – Lets book it in for 10.30am

Thank you

*Kind regards*

*Deb Sampson*

Administration Manager

Graeme Moulston & Associates Engineering Pty Ltd

PO Box 213

Mudgeeraba Qld 4213

PH 07 55 306214

[info@gcma.com.au](mailto:info@gcma.com.au)

*Please note that the information in this email is intended only for the addressee and may contain confidential, proprietary, and/or privileged material. Any unauthorised review, distribution, or third-party viewing is prohibited. Any documents attached in this email are not to be amended or changed in any way without written permission from the signatory. Any unauthorised changes will be reported to the relevant agency. If you receive this in error, please contact the sender and delete or destroy this message and any copies.*

 Please consider the environment before printing this email

---

**From:** Mitchell Crisp <Mitchell@ultimatesf.com.au>

**Sent:** Tuesday, May 23, 2023 1:21 PM

**To:** Graeme Moulston & Associates Engineering <info@gcma.com.au>

**Subject:** RE: Inspection: Kingscliff Public School 22-1072B

Yes, Monday will be fine. Roofer will be battening and installing wire mesh that day.

Regards,  
Mitchell Crisp



Ultimate Steel Framing Pty Ltd

QBCC Lic # 1316446 A.B.N 35 604 906 756

6 Hilldon Crt, NERANG. 4211. Qld.



Email: [Mitchell@ultimatesf.com.au](mailto:Mitchell@ultimatesf.com.au)  
Phone: 1300 804 611 (61 7) 5596-5252  
<http://www.ultimatesf.com.au>

---

**From:** Graeme Moulston & Associates Engineering <[info@gcma.com.au](mailto:info@gcma.com.au)>  
**Sent:** Tuesday, May 23, 2023 11:24 AM  
**To:** Mitchell Crisp <[Mitchell@ultimatesf.com.au](mailto:Mitchell@ultimatesf.com.au)>  
**Subject:** (Possible Spam) RE: Inspection: Kingscliff Public School 22-1072B

Hey Mitchell

Can we please pop this in for first thing Monday?

*Kind regards*

*Deb Sampson*

Administration Manager  
Graeme Moulston & Associates Engineering Pty Ltd  
PO Box 213  
Mudgeeraba Qld 4213  
PH 07 55 306214  
[info@gcma.com.au](mailto:info@gcma.com.au)

*Please note that the information in this email is intended only for the addressee and may contain confidential, proprietary, and/or privileged material. Any unauthorised review, distribution, or third-party viewing is prohibited. Any documents attached in this email are not to be amended or changed in any way without written permission from the signatory. Any unauthorized changes will be reported to the relevant agency. If you receive this in error, please contact the sender and delete or destroy this message and any copies.*

 Please consider the environment before printing this email

---

**From:** Mitchell Crisp <[Mitchell@ultimatesf.com.au](mailto:Mitchell@ultimatesf.com.au)>  
**Sent:** Tuesday, May 23, 2023 10:09 AM  
**To:** Graeme Moulston & Associates Engineering <[info@gcma.com.au](mailto:info@gcma.com.au)>  
**Subject:** Inspection: Kingscliff Public School 22-1072B

Good Morning,

Could I please book in a frame inspection for Building 4 Level 1 at Kingscliff Public School 22-1072B  
Frame is ready on Friday 26<sup>th</sup> May.

Regards,  
Mitchell Crisp



Ultimate Steel Framing Pty Ltd

QBCC Lic # 1316446 A.B.N 35 604 906 756

6 Hildon Crt, NERANG. 4211. Qld.

Email: [Mitchell@ultimatesf.com.au](mailto:Mitchell@ultimatesf.com.au)

Phone: 1300 804 611 (61 7) 5596-5252

<http://www.ultimatesf.com.au>



Our Reference: BR200435-SC-Building3-rev02  
Your Reference:

Level 7  
22 Cordelia St  
South Brisbane QLD 4101

19/09/2023

T 07 3844 5900

[www.acor.com.au](http://www.acor.com.au)

Richard Crookes Construction P/L  
Level 3, 4 Broadcast Way  
Artarmon, NSW 2064

ENGINEERS  
MANAGERS  
INFRASTRUCTURE  
PLANNERS  
DEVELOPMENT  
CONSULTANTS

Attention: Ms Angela Wang

Dear Angela,

**Re: Kingscliff Public School, Kingscliff NSW  
OC Structural Certification – Building 3**

## STRUCTURAL

---

### Site Details:

Project Name:	Kingscliff Public School				
Street no. / Street name:	12 Orient Street				
Suburb:	Kingscliff	State:	NSW	Postcode:	2487

---

**Description of Work:** New double storey classrooms (Building 3)

---

### Consent:

SSD No.	SSD-8378620-MOD-1	Consent authority:	N/A
		Dated:	15 June 2023

---

Pursuant to the provisions of the Environment Planning and Assessment (Development Certification and Fire Safety) Regulation 2021 and Clause A5.2 of the Building Code of Australia 2019:

I, Jarrold Novosel of ACOR CONSULTANTS  
(name) (company)

hereby certify that the structural works have been installed / implemented / constructed in the above building/development and they have been inspected, assessed, and tested (where appropriate) in accordance with:

- 
- a) The following conditions of Development Consent:  
SSD Condition D11 and OC Conditions 7 and 10
- 



b)	The relevant clauses of the Building Code of Australia, as follows:	BCA clauses B1.2 & B1.4 and Specification C1.1
c)	The following Australian Standards:	AS 1170.0:2002, AS1170.1-2002, AS1170.2-2011, AS1170.4-2007, AS2870:2011, AS3600-2018, AS3700-2011 & AS4100:2020

This is to certify that structural inspections were carried out during construction of this project by a practising Structural Engineer in accordance with the following schedule and accepted engineering practice and principles.

List of inspections undertaken during construction by a suitably qualified structural engineer:

Inspection No.	Date of Inspection	Item/s Inspected	Relevant Drawings (beginning with KPS-S-3-*)	Approved/ Rejected
005	26/08/2022	Lift Base to Building 3	3.01	Approved
006	31/08/2022	Lift Pit Walls to Building 3	3.01	Approved
007	06/09/2022	Footings in part to Building 3	3.01	Approved
008	13/09/2022	Footings to Building 3	3.01	Approved
011	26/09/2022	Building 3 Column Reinforcement	01.00, KPS-X-00.25	Approved
012	28/09/2022	Bldg 3 columns/Blockwalls 1.8m/Footings	01.00	Approved
013	30/09/2022	Building 3 footings	3.01	Approved
014	06/10/2022	Building 3 Slab	01.00	Approved
015	17/10/2022	Building 3 Blockwalls/Columns	01.00	Approved
016	24/10/2022	Building 3 Lift wall reinforcement	01.00	Approved
017	25/10/2022	Block wall reinforcement (2 <sup>nd</sup> lift)	02.00	Approved
020	15/11/2022	Suspended Slab Reinforcement	02.00, 02.01, 02.02	Approved
022	25/11/2022	Building 3 Columns	02.00	Approved
024	30/11/2022	Suspended Slab (In part)	02.00	Approved
025	09/12/2022	Building 3 Stairs/Slab	00.22	Approved after reinspection
026	13/12/2022	Building 3 Upper floor lift walls	00.22	Approved
029	16/01/2023	Building 3 Stairs reinspection	00.22	Approved
030	19/01/2023	Building 3 rear stair/ramp footings	02.00	Approved
035	10/02/2023	Building 3 Blockwork inspection	02.00	Approved
037	21/02/2023	Lift lid building 3/concrete wall	03.00	Approved
041	20/03/2023	Building 3 ramp/steps	02.00	Approved
048	03/05/2023	Masonry ties	KPS-S-X-00.11	Approved
050	19/06/2023	Building 3 Bin enclosure	01.00	Approved
051	07/07/2023	Building 3 external slab grid, 3B, BD-3.1, 3.2	01.00	Approved

Inspection No.	Date of Inspection	Item/s Inspected	Relevant Drawings (beginning with KPS-S-3-*)	Approved/ Rejected
052	25/07/2023	Tiered seating	01.10 and site advice	Approved
053	26/07/2023	Tiered seating pour 1 (part 2)	01.00	Approved
054	09/08/2023	Tiered seating pour 2 of 3	01.00	Approved

At the time of each inspection, the work inspected generally conformed, in our opinion with the structural engineering drawings. Where minor corrections were required, instructions were issued to the Builder for their correction.

This certificate does not relieve the Builder or any other party of their responsibilities for the project. This certificate is based upon the discrete number of inspections conducted and relies on the Builder to rectify the items noted on the inspection report.


The plans that the inspections were inspected off were the 'For Construction' set of drawings which will be rebadged and reissued at the end of the project as 'As-Built'.

Exclusions: Yes

Details of any exclusions: Screw piles, balustrade and handrails, all wall framing, roof trusses/girders, roof bracings, roof battens, ceiling battens, eaves, fascias and roof framing connections, including tie down to structure are to be certified by others.

Where there are no exclusions, I certify that this certificate covers all structural works, including footings, reinforced concrete columns, suspended slabs, ramps/stairs, and blockwalls for the areas inspected as outlined in the above list. Masonry ties have only been assessed at discrete points on the dates of the inspection noted. From these discrete point in time inspections the masonry ties in the masonry were installed generally in compliance with the design documents.

I also certify that I am an appropriately qualified and competent person practicing in the relevant area of work. I have recognised relevant experience in the area of work being certified. I / my employer hold/s appropriate current professional indemnity insurance to the satisfaction of the building owner or the principal authorising the design work being certified.

<i>Name:</i>	Jarrod Novosel	<i>Licence No.:</i>	RPEQ 8193
<i>Company Name:</i>	ACOR CONSULTANTS	<i>ABN No:</i>	40079306246
<i>Company Address:</i>	Level 7, 22 Cordelia St, South Brisbane, QLD 4101	<i>Tel:</i>	07 3844 5900
<i>Signature:</i>		<i>Position Title:</i>	Structural Team Leader
		<i>Date:</i>	19/09/2023



CONSULTANTS

ACOR Consultants (Qld) Pty Ltd  
ABN 16 126 011 067  
BRISBANE OFFICE  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
Telephone: T +61 7 3844 5900  
www.acor.com.au

SITE INSPECTION REPORT

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 26.08.2022		Start Time: 11 am
Inspection by: Richard Smith		Finish Time: 11:20am
ACOR Project No: BR200435		Weather: Fine
Inspection Report No: KPS-005	No. Pages: 1	Site Manager Name: Brad Perske
Works Inspected: Lift Base to Building 3		
Drawing Reference: KPS-S-3-01.		

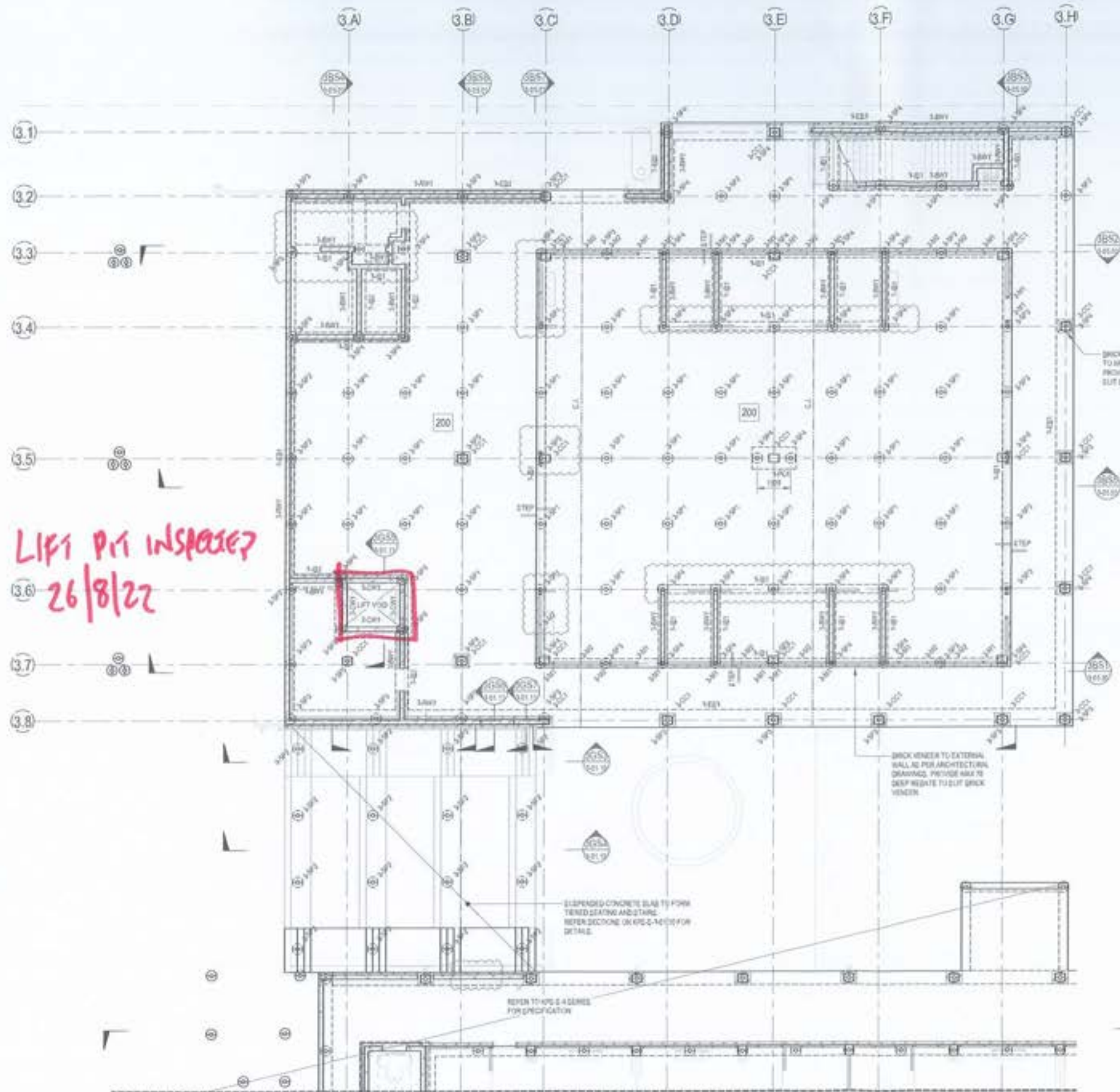
Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the Lift Baser to Building 3, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

1. ENSURE PIT-WALLS - TO SLAB Z BARS
2. ARE SET AT THE CORRECT HT.
3.
4. REMOVE ALL DEBRIS FROM BASE.
5.
6. ADD REMAINING Z' BARS
7.
8. THEN OK TO POUR.
9.
10.
11.

Inspecting Engineer Signature:

Site Manager Signature:





LIFT PIT INSPECTION?  
26/8/22

**BUILDING 3 - GROUND FLOOR PLAN**

SCALE: 1:100

**BUILDING 3 - GROUND FLOOR NOTES**

**200 THICK SUSPENDED GROUND LEVEL SLAB**  
 CONSTRUCT SUSPENDED GROUND LEVEL SLAB ON 2mm POLYTHENE DAMP PROOF MEMBRANE OVER BRICK MASONRY. SAND DRAINING OVER UNPREPARED SUBGRADE. SLABS AND BEAMS ARE DESIGNED AS SUSPENDED. FILL MATERIAL IS TO BE FREE OF CONTAMINANTS AND ORGANIC MATTER AND IS TO BE APPROVED BY THE SUPERINTENDENT. NO CARBON FIBRE IS REQUIRED OR PERMITTED ON SUSPENDED SLAB SUPPORTED ON SCREW PILES.

**SUSPENDED GROUND LEVEL SLAB - INDICATIVE CONSTRUCTION SEQUENCE**  
 1. EXPOSE SITE TO GRADE EXCAVATION LEVEL AS PER CIVIL DRAWINGS.  
 2. EXCAVATE GROUND BEAMS TO REQUIRED DEPTHS.  
 3. INSTALL SCREW PILES TO RATED CAPACITIES AS SCHEDULED.  
 4. CONSTRUCT SUSPENDED FOOTINGS AND SUSPENDED SLAB.

**UNCONTROLLED FILL MATERIAL** ACTING AS FILL FOR WORKING IS REQUIRED TO SUPPORT NET WEIGHT OF CONCRETE. INSTALLATION OF UNDERGROUND SERVICES TO ACCOMMODATE LEVEL OF CONTRACTION OF UNCONTROLLED FILL MATERIAL. ALTERNATIVELY, SUSPENDED BELOW GROUND PIPE WORK FROM UNDERSIDE OF STRUCTURAL SLAB AS REQUIRED.

**SCREW PILE SPACING**  
 SCREW PILES TO BE DESIGNED, CERTIFIED AND INSTALLED BY A SPECIALIST SUBCONTRACTOR, IN ACCORDANCE WITH AUSTRALIAN STANDARDS. FILING DEPTH OF SCREW PILES NOT NATURALLY OCCURRING STIFF CLAY MATERIAL, AS PER THE GEOTECHNICAL REPORT SHALL BE CONFIRMED ON SITE IN ACCORDANCE WITH PILE TESTING. PILES ARE NOT TO BE FORCED IN FILL MATERIAL. THE ULTIMATE CAPACITY OF PILES SHALL BE CONFIRMED WITH IN-SITU PILE TESTING. SUCCEEDING WITH AT 20% 20% TEST PILES SHALL BE IDENTIFIED DURING PILING TO CONFIRM LOAD CAPACITY. PILE COMPUTATION AND SITE LOGS SPECIFYING PILE SIZE, INSTALLATION TORQUE AND INSTALLATION DEPTH SHALL BE PROVIDED TO THE SUPERINTENDENT. A COPY OF THE PILE TEST RESULTS SHALL ALSO BE PROVIDED TO THE SUPERINTENDENT FOR APPROVAL. PRIOR TO PLACING CONCRETE, SCREW PILES TO BE CENTRAL IN FOOTING BEAM WHERE NOT DIMENSIONED OR IN GRID CONTRACTOR TO PROVIDE WARRANTY FOR 75 YEAR UNIFORM DESIGN LIFE. ALLOW FOR REINFORCED WALL THICKNESS AS NECESSARY. CONTRACTOR TO INCLUDE COST OF PILING IN TENDER.

**BRICK VENEER CLADDING TO SLOTT TO ARCHITECTURE DETAIL. PROVIDE MAX 75 DEEP NEGATE TO SLIT BRICK VENEER, TYP.**

**BRICK VENEER TO EXTERNAL WALL AS PER ARCHITECTURAL DRAWINGS. PROVIDE MAX 75 DEEP NEGATE TO SLIT BRICK VENEER.**

Copyright of this drawing is the property of ACOR Consultants (OLD) Pty Ltd. All rights reserved. It is not to be used, copied, reproduced or distributed without the written consent of ACOR Consultants (OLD) Pty Ltd. ACOR Consultants is a registered provider of RTO Education under the RTO Act 2011. ACOR Consultants Pty Ltd.

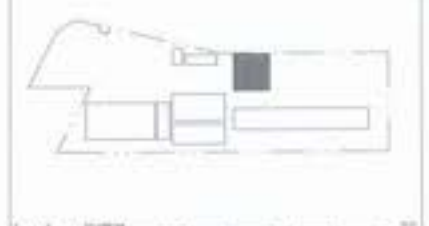
This drawing is a computer-generated drawing and shall not be used for construction without the approval of the designer.

No.	Description	Date	Drawn	Approved
1	ISSUE FOR PERMITS	28/08/22	MP	MP
2	ISSUE FOR PERMITS	28/08/22	MP	MP
3	ISSUE FOR PERMITS	28/08/22	MP	MP
4	ISSUE FOR PERMITS	28/08/22	MP	MP
5	ISSUE FOR PERMITS	28/08/22	MP	MP
6	ISSUE FOR PERMITS	28/08/22	MP	MP
7	ISSUE FOR PERMITS	28/08/22	MP	MP
8	ISSUE FOR PERMITS	28/08/22	MP	MP
9	ISSUE FOR PERMITS	28/08/22	MP	MP
10	ISSUE FOR PERMITS	28/08/22	MP	MP

**LEGEND**

- 200 DENOTES 200 THICK SUSPENDED SLAB. 2 LAYERS SLAB WITH BOTTOM EXTERNAL REINFORCEMENT WITH EDGE BEAM. SLAB MESH TOP. DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL 150-150 x 150-150mm EACH WAY TOP OVER INTERNAL SCREW PILE.
- CS DENOTES CONSTRUCTION JUMP. REFER TO KPS-S-4-01.01 FOR DETAILS.
- Denotes slab step. REFER TO ARCHITECTS DRAWING FOR SL.
- Denotes 150-150mm square tied to underside of mesh.

- NOTES**
- REFER TO DRAWINGS KPS-S-3-01.01, KPS-S-3-01.02 AND KPS-S-3-01.03 FOR ALL STRUCTURAL ELEVATION DETAILS.
  - BETWEEN DRAWING KPS-S-3-01.01 AND 27.01A TYPICAL CORNER WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR DETAIL SECONDARY STEEL. NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO DRAWING KPS-S-3-01.01 FOR ELEVATIONS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE DETAIL INFORMATION.
  - ALL STEPS FALLS, SETDOINGS & WATERPROOFING ARE TO ARCHITECTS DETAILS 1-N-D.
  - USE 300mm NOTED OTHERWISE ALL SET AREA SETDOINGS ARE TO BE 300mm SQUARE.
  - WITH STRUCTURAL MARKS AND HOLES ARE NOT SHOWN REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATION.
  - ALL SLABS ON GROUND TO BE LAG OVER 100% POLYTHENE MEMBRANE OVER 100mm BRICK DRAIN.



**RICHARD CROOKES CONSTRUCTIONS**  
 Education School Infrastructure

**BIM**

**KINGSCLIFF PUBLIC SCHOOL**  
 12 ORIENT STREET, KINGSCLIFF, NSW 2487

**ACOR Consultants (OLD) Pty Ltd**  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 T +61 7 3844 9300

STRUCTURAL DRAWINGS HAVE BEEN DESIGNED USING THE ARCHITECTURAL DRAWINGS ISSUED ON THE 15/06/2021

**FOR CONSTRUCTION**

Issue No: **1**

Date	By	Check	Appr	Date
28/08/2021	MP	CR	MP	28/08/2021

Project No: **BR200435** | Drawing No: **KPS-S-3-01.00** | Sheet No: **1**





CONSULTANTS

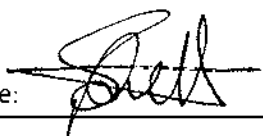
ACOR Consultants (Qld) Pty Ltd  
ABN 18 126 011 087  
BRISBANE OFFICE  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
Telephone: T +61 7 3844 5900  
www.acor.com.au

SITE INSPECTION REPORT

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 31.08.2022		Start Time: 7.30 am
Inspection by: Richard Smith		Finish Time: 7.50am
ACOR Project No: BR200435		Weather: Fine
Inspection Report No: KPS-006	No. Pages: 1	Site Manager Name: Brad Perske
Works Inspected: Lift Pit Walls to Building 3		
Drawing Reference: KPS-S-3-01.		

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the Lift Pit Walls to Building 3, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

1. Ensure correct cover to reinforcement, then ok to pour
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.

Inspecting Engineer Signature: 

Site Manager Signature: \_\_\_\_\_

### SITE INSPECTION REPORT

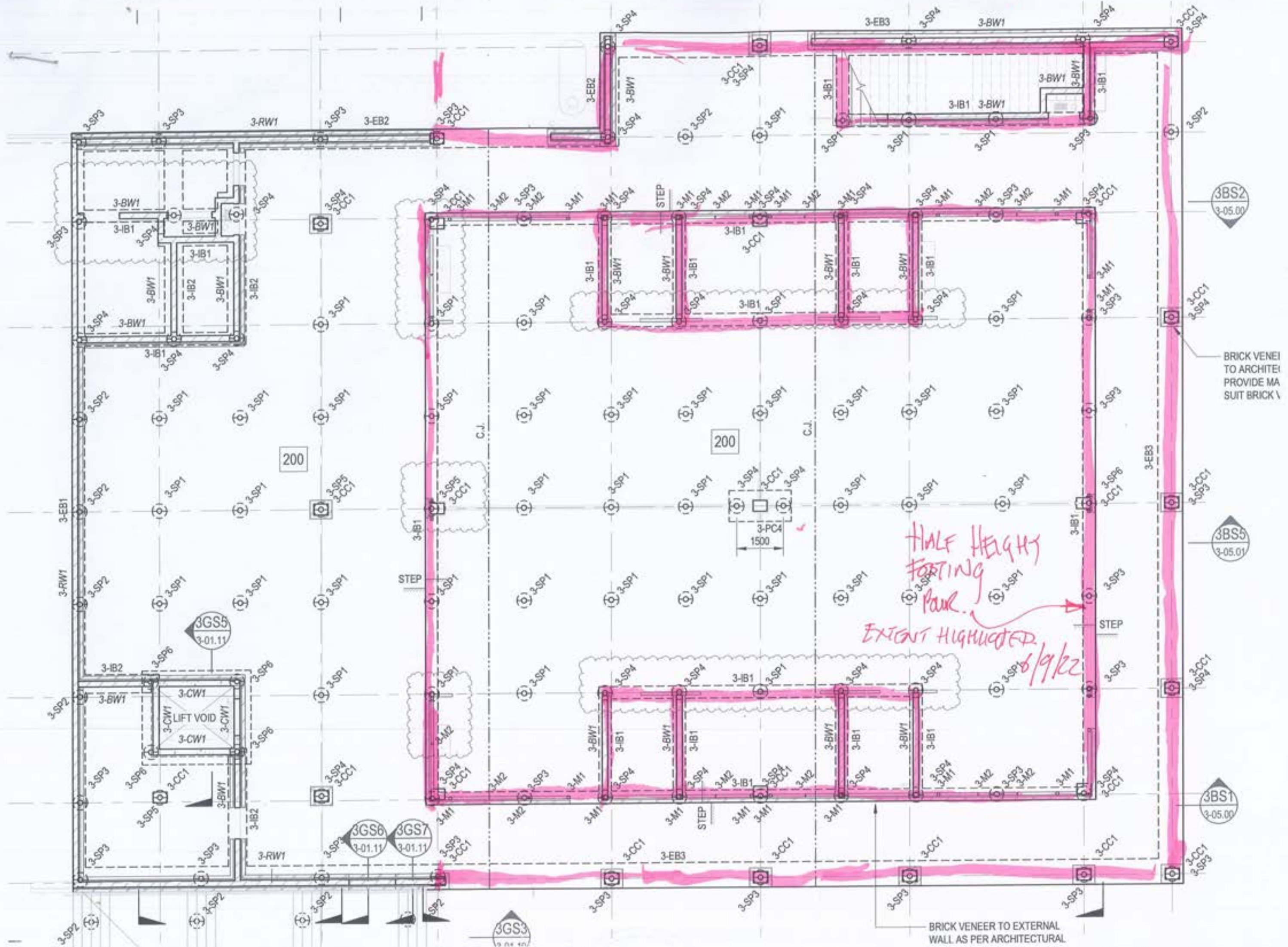
Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 06.09.2022		Start Time: 9:15
Inspection by: Richard Smith		Finish Time: 9:45
ACOR Project No: BR200435		Weather: Fine
Inspection Report No: KPS-007	No. Pages: 1	Site Manager Name: Brad Perske
Works Inspected: Footings in part to Building 3		
Drawing Reference: KPS-S-3-01.		

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the footing reinforcement to Building 3, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

1. Reinforcement to footings all satisfactory and ready for partial pour height. Refer attached mark up for extent
2. Ensure all remaining pile shear bars are in position.
3. Remove all debris from bottom of footing
4.
5. When above complete ok to pour
6.
7.
8.
9.
10.
11.

Inspecting Engineer Signature: 

Site Manager Signature: \_\_\_\_\_



3BS2  
3-05.00

3BS3  
3-05.01

3BS1  
3-05.00

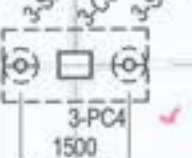
BRICK VENEER  
TO ARCHITECT  
PROVIDE MA  
SUIT BRICK V

*HALF HEIGHT  
POSTING  
PARK.*  
*EXTENT HIGHLIGHTED*  
*8/9/22*

BRICK VENEER TO EXTERNAL  
WALL AS PER ARCHITECTURAL

200

200



3GS3  
3-01.12

3GS5  
3-01.11

3GS6  
3-01.11

3GS7  
3-01.11

3-CW1  
LIFT VOID  
3-CW1  
3-CW1

STEP

STEP

STEP

STEP

C.J.

C.J.

3GS3  
3-01.12





### SITE INSPECTION REPORT

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 13.09.2022		Start Time: 1pm
Inspection by: Richard Smith		Finish Time: 1:30pm
ACOR Project No: BR200435		Weather: FINE
Inspection Report No: KPS-008	No. Pages: 1	Site Manager Name: Brad Perske
Works Inspected: Footings to Building 3		
Drawing Reference: KPS-S-3-01.		

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the footing reinforcement to Building 3, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

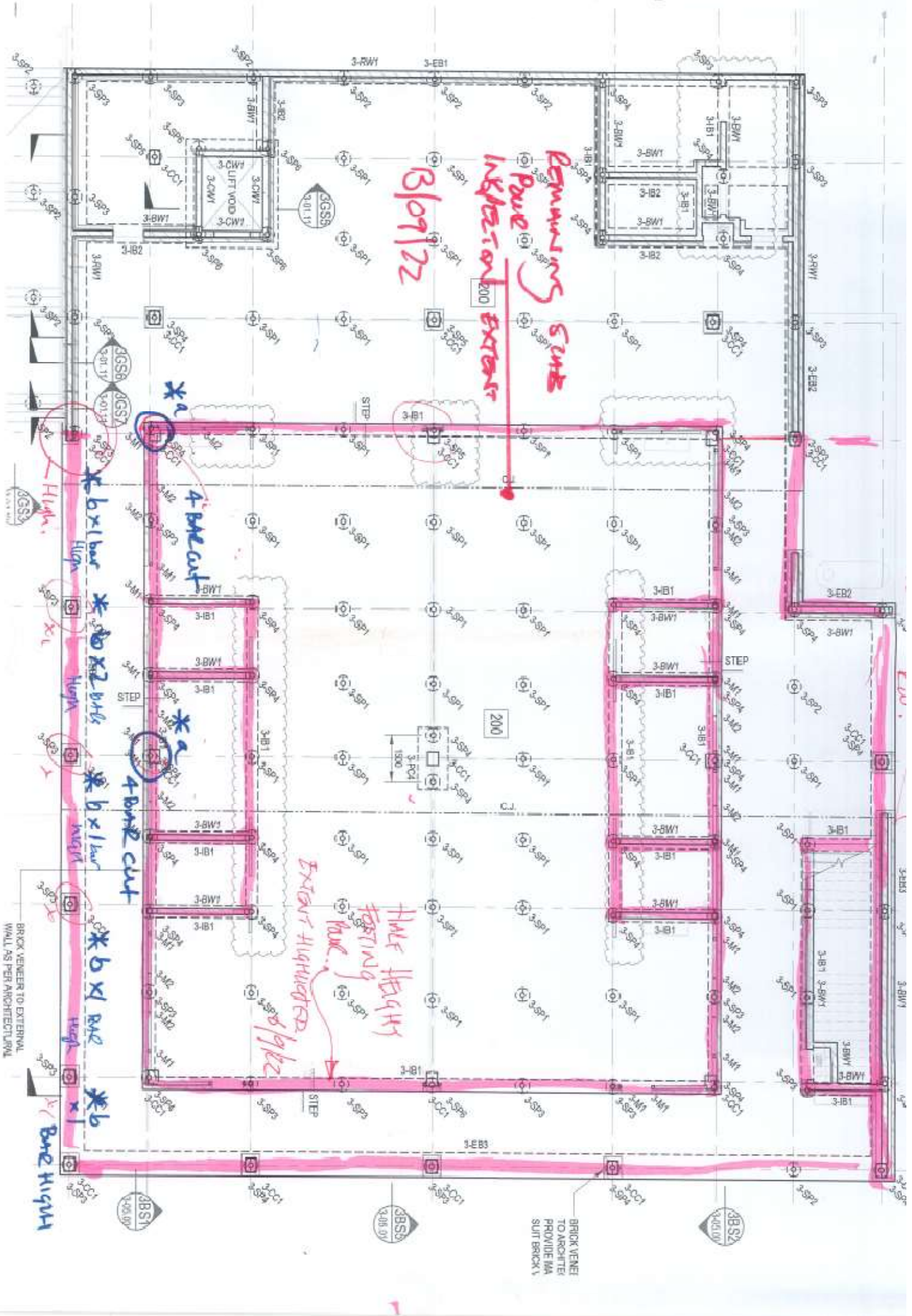
1.	* a) Columns HAVE HAD A STARTER
2.	BARs CUT OFF. (REFER PIC + MARKUP)
3.	* b) Column STARTER BARs TIED TO
4.	TIP OF FOOTING REO.
5.	(REFER PIC + MARKUP FOR LOCATION
6.	& NUMBER OF BARs)
7.	
8.	ENSURE GREAT COVER OF MESH TO
9.	SIDE FORM WORK.
10.	CENTRANT BARs WHERE NEEDED
11.	-

ACOR TO PROVIDE COMMENTS BEFORE POUR.

Inspecting Engineer Signature:



Site Manager Signature:





Odd starter bars too high





Cut bars





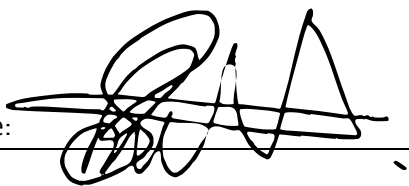
ACOR Consultants (Qld) Pty Ltd  
 ABN 18 126 011 087  
 BRISBANE OFFICE  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 Telephone: T +61 7 3844 5900  
 www.acor.com.au

**SITE INSPECTION REPORT**

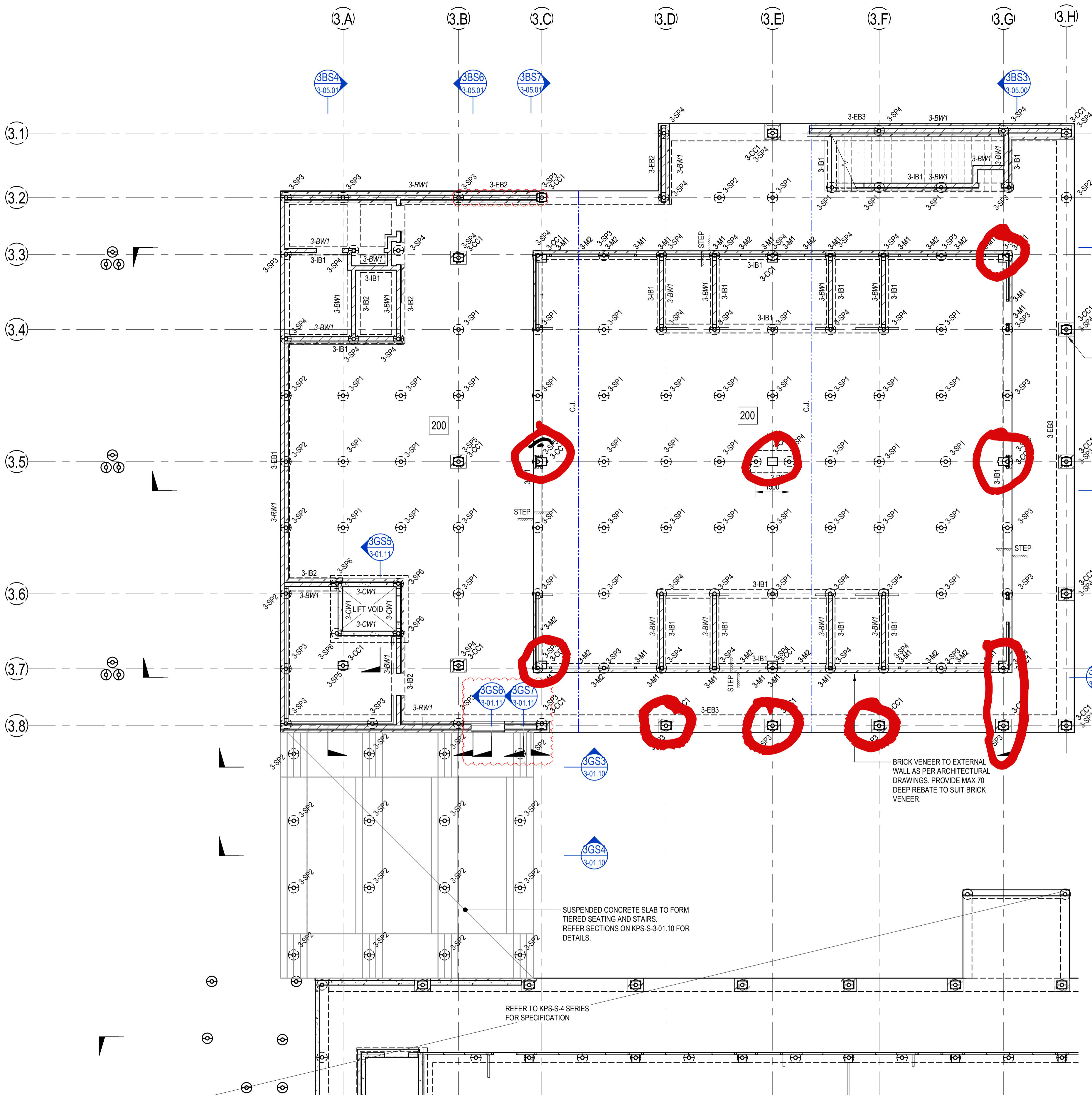
Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 26-9-22		Start Time: 730 am
Inspection by: Richard Smith		Finish Time: 750 am
ACOR Project No: BR200435		Weather: FINE
Inspection Report No: KPS-011	No. Pages: 2	Site Manager Name: Brad Perske
Works Inspected: BUILDING 3 - COLUMN REINFORCEMENT		
Drawing Reference: KPS-S-3-01.00 / S-X-00.25		

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

1.	* EXTENT REFER ATTACHED MARK-UP
2.	
3.	* ALL SATISFACTORY.
4.	
5.	* ENSURE COLLECT COVER
6.	FROM FORMWORK.
7.	
8.	
9.	
10.	
11.	

Inspecting Engineer Signature: 

Site Manager Signature: \_\_\_\_\_



**BUILDING 3 - GROUND FLOOR NOTES:**

200 THICK SUSPENDED GROUND LEVEL SLAB CONSTRUCT SUSPENDED GROUND LEVEL SLAB ON 0.2mm POLYTHENE DAMP PROOF MEMBRANE OVER 50mm NOMINAL SAND BLINDING OVER UNPREPARED SUBGRADE. SLAB AND BEAMS ARE DESIGNED AS SUSPENDED. FILL MATERIAL IS TO BE FREE OF CONTAMINANTS AND ORGANIC MATTER AND IS TO BE APPROVED BY THE SUPERINTENDENT. NO SAWCUT JOINTS ARE REQUIRED OR PERMITTED IN SUSPENDED SLAB SUPPORTED ON SCREW PILES.

**SUSPENDED GROUND LEVEL SLAB - INDICATIVE CONSTRUCTION SEQUENCE:**

1. STRIP SITE TO BULK EXCAVATION LEVEL AS PER CIVIL DRAWINGS.
2. EXCAVATE GROUND BEAMS TO REQUIRED DEPTHS.
3. INSTALL SCREW PILES TO RATED CAPACITIES AS SCHEDULED.
4. CONSTRUCT SUSPENDED FOOTINGS AND SUSPENDED SLAB.

**UNCONTROLLED FILL:**  
UNCONTROLLED FILL MATERIAL ACTING AS LOST FORMWORK IS REQUIRED TO SUPPORT WET WEIGHT OF CONCRETE. INSTALLATION OF UNDERGROUND SERVICES TO ACCOUNT FOR LEVEL OF COMPACTION OF UNCONTROLLED FILL MATERIAL. ALTERNATIVELY, SUSPENDED BELOW GROUND PIPE WORK FROM UNDERSIDE OF STRUCTURAL SLAB AS REQUIRED.

**FOOTINGS:**  
STRIP FOOTINGS, EDGE AND INTERNAL BEAMS HAVE BEEN DESIGNED AS SUSPENDED OVER UNPREPARED SUBGRADE SUPPORTED ON SCREW PILES INSTALLED TO RATED CAPACITIES AS SCHEDULED. CONTRACTOR TO MAKE AN APPROPRIATE ALLOWANCE FOR OVER-EXCAVATION TO SUIT DEPTH OF EXCAVATION.

**SCREW PILE 'SP' NOTES:**  
SCREW PILES TO BE DESIGNED, CERTIFIED AND INSTALLED BY A SPECIALIST SUBCONTRACTOR. IN ACCORDANCE WITH AUSTRALIAN STANDARDS. FOUNDING DEPTH OF SCREW PILES INTO NATURALLY OCCURRING STIFF CLAY MATERIAL AS PER THE GEOTECHNICAL REPORT SHALL BE CONFIRMED ON SITE IN ACCORDANCE WITH PILE TESTING. PILES ARE NOT TO BE FOUND IN FILL MATERIAL. THE ULTIMATE CAPACITY OF PILES SHALL BE CONFIRMED WITH IN-SITU PILE TESTING IN ACCORDANCE WITH AS 2159-2009. TEST PILES SHALL BE IDENTIFIED DURING PILING TO CONFIRM LOAD CAPACITY. PILE COMPUTATIONS AND SITE LOGS SPECIFYING PILE SIZE, INSTALLATION TORQUE AND INSTALLATION DEPTH SHALL BE PROVIDED TO THE SUPERINTENDENT. A COPY OF THE PILE TEST RESULTS SHALL ALSO BE PROVIDED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO PLACING CONCRETE. SCREW PILES TO BE CENTRAL IN FOOTING/BEAM WHERE NOT DIMENSIONED OR ON GRID. CONTRACTOR TO PROVIDE WARRANTY FOR 75 YEAR MINIMUM DESIGN LIFE. ALLOW FOR INCREASED WALL THICKNESS AS NECESSARY. CONTRACTOR TO INCLUDE COST OF PILING IN TENDER.

*26/9/22  
EXTENT OF  
COLUMN REINFORCEMENT  
INSPECTED*

© COPYRIGHT of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd, ACN 126 011 087 ABN 18 126 011 087, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark licensed to ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by: -

Issue	Description	Date	Drawn	Approved
A	50% DD ISSUE	02/03/2021	RT	JN
B	70% DD ISSUE	23/04/2021	RT	MP
C	100% DD ISSUE	04/06/2021	RT	MP
1	CONSTRUCTION ISSUE	02/07/2021	RT	RS
2	REVISED CONSTRUCTION	29/07/2021	RT	MP
3	REVISED CONSTRUCTION	06/08/2021	RT	MP
4	REVISED CONSTRUCTION	24/08/2021	RT	MP

**LEGEND**

**200** DENOTES 200 THICK SUSPENDED SLAB. 2 LAYERS SL92 MESH BOTTOM. EXTEND MESH MIN 150mm INTO EDGE BEAM. SL102 MESH TOP. DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL N12-300 x 1500 LONG EACH WAY TOP OVER INTERNAL SCREW PILE.

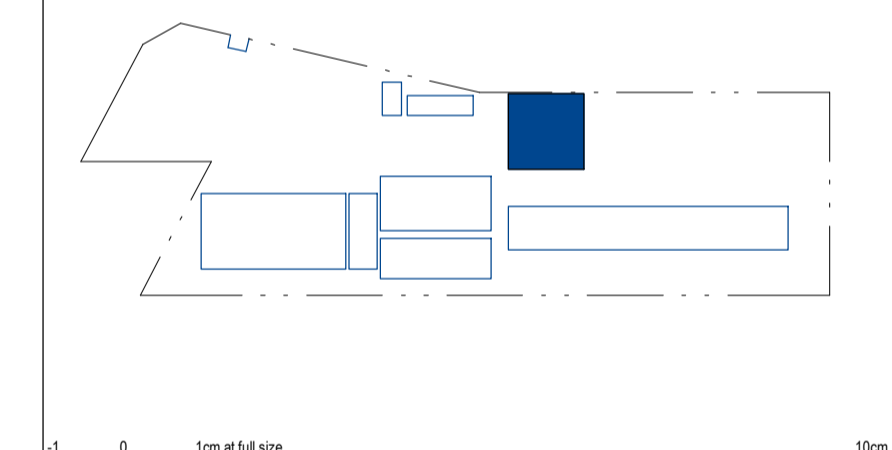
**CJ** DENOTES CONSTRUCTION JOINT. REFER TO KPS-S-X-00.21 FOR DETAIL.

**STEP** DENOTES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR RL'S.

**3N12** DENOTES 3N12 TRIMMER BARS TIED TO UNDERSIDE OF MESH.

**NOTES:**

- REFER TO DRAWINGS KPS-S-X-0010, KPS-S-X-0011 AND KPS-S-X-0012 FOR ALL STRUCTURAL GENERAL NOTES.
- REFER DRAWING KPS-S-X-00.27 FOR TYPICAL OPERABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT. SECONDARY STEEL NOT SHOWN ON STRUCTURAL PLANS.
- REFER TO DRAWINGS KPS-S-3-04.00 FOR ELEVATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
- ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.O.
- UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 50mm MAXIMUM.
- NON STRUCTURAL RAMPS AND HOBBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
- ALL SLABS ON GROUND TO BE LAID OVER 200µm POLYTHENE MEMBRANE OVER 50mm BEDDING SAND.



Client: **RICHARD CROOKES CONSTRUCTIONS**

NSW Education School Infrastructure

Architect: **BIM**

BRISBANE (07) 3257 3622  
99 BROOKES STREET  
FORTITUDE VALLEY  
4006, QLD  
www.bickertonmasters.com.au

Project: **KINGSLIFF PUBLIC SCHOOL**

12 ORIENT STREET, KINGSLIFF, NSW 2487

**ACOR Consultants (QLD) Pty Ltd**

Level 4, 43 Peel Street  
South Brisbane QLD 4101  
T +61 7 3844 5900

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

STRUCTURAL DRAWINGS HAVE BEEN DESIGNED USING THE ARCHITECTURAL DRAWINGS ISSUED ON THE 17/06/2021

**FOR CONSTRUCTION**

**BUILDING 3 - GROUND FLOOR PLAN**  
SCALE: 1:100

FOR CONTINUATION REFER TO DRAWING KPS-S-4-01.00

Drawn	Date	Scale	A1	O.A. Check	Date
RT	AUG 2021	1:100		CR	29.06.2021
Designed	Project No.	Draw No.	Issue		
MP	BR200435	KPS-S-3-01.00	4		

SITE INSPECTION REPORT

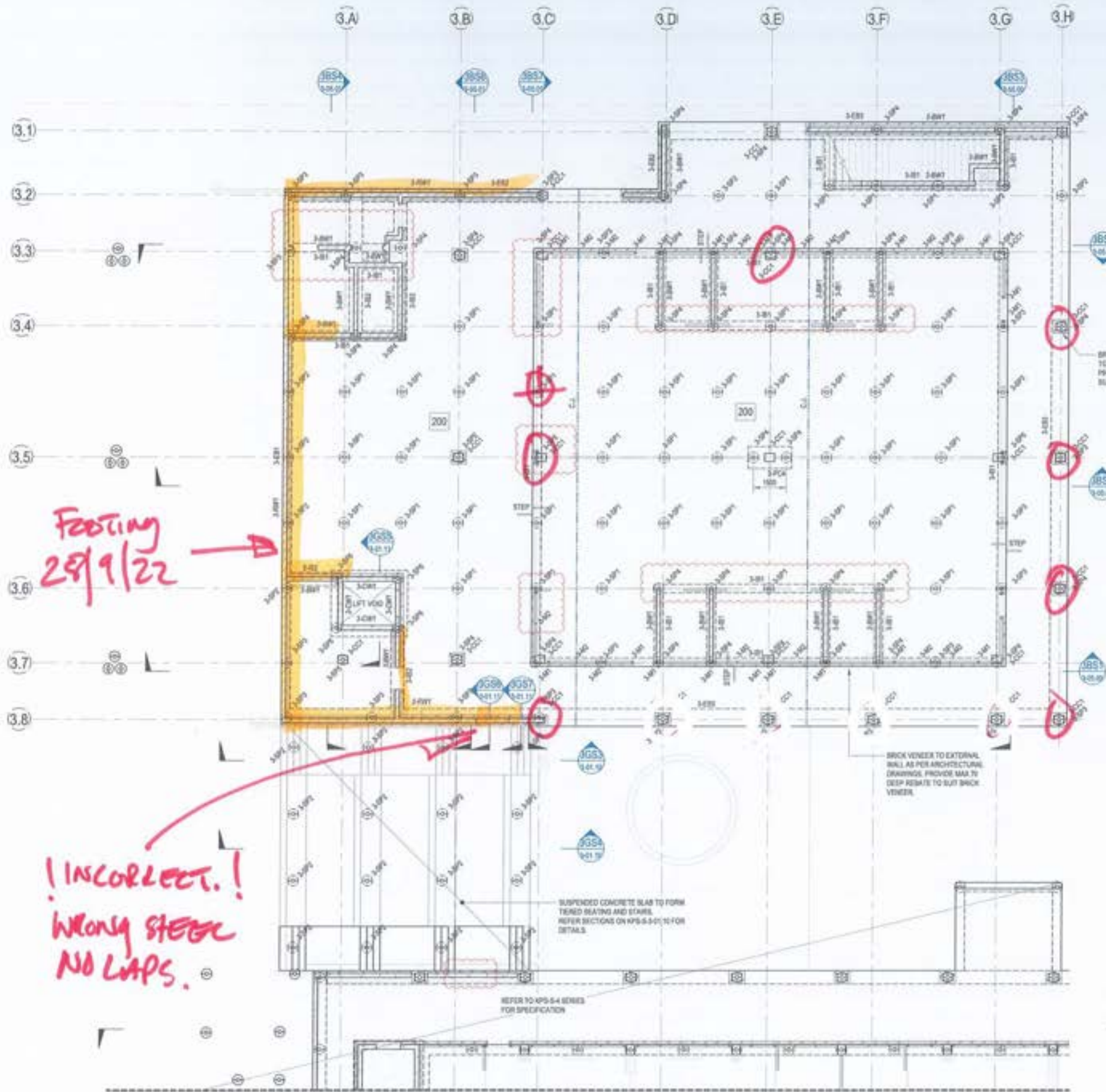
Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 28/9/22		Start Time: 830
Inspection by: Richard Smith		Finish Time: 930
ACOR Project No: BR200435		Weather: FINE
Inspection Report No: KPS-012	No. Pages:	Site Manager Name: Brad Perske
Works Inspected: Building 3 columns / Block walls - 1.8m / Building 4 Block walls		
Drawing Reference: KPS-S-3-01.00, KPS-S-4-01.00		Building 3 Footings

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

- |                                                      |
|------------------------------------------------------|
| 1. * Building 4 - PLACE ALL RETAINING WALL VERTICALS |
| 2. ON CORRECT FACE                                   |
| 3. - THEN OK TO POUR                                 |
| 4. * Building 3 - Block walls 1.8 HT -               |
| 5. - OK TO POUR.                                     |
| 6. * Building 3 Columns                              |
| 7. - ENSURE CORRECT COVER WHEN BOXED                 |
| 8. - THEN OK TO POUR.                                |
| 9. * Footings - INCORRECT - Pour STOPPED             |
| 10. REFER CORRESPONDANCE WITH ACOR.                  |
| 11.                                                  |

Inspecting Engineer Signature: 

Site Manager Signature: \_\_\_\_\_



**BUILDING 3 - GROUND FLOOR NOTES**

200 THICK SUSPENDED GROUND LEVEL SLAB  
 CONSTRUCT SUSPENDED GROUND LEVEL SLAB ON 2mm POLYTHENE DIMP PROOF MEMBRANE OVER 100mm NOMINAL SAND BLINDING OVER UNPREPARED SUBGRADE. SLAB AND BEAMS ARE DESIGNED AS SUSPENDED. FILL MATERIAL IS TO BE FREE OF CONTAMINANTS AND ORGANIC MATTER AND IS TO BE APPROVED BY THE SUPERINTENDENT. NO SLOTTED JOINTS ARE REQUIRED OR PERMITTED IN SUSPENDED SLAB SUPPORTED ON SCREW PILES.

SUSPENDED GROUND LEVEL SLAB - NEGATIVE CONSTRUCTION SEQUENCE  
 1 STRIP SITE TO BULK EXCAVATION LEVEL AS PER CIVIL DRAWINGS.  
 2 EXCAVATE GROUND BEARS TO REQUIRED DEPTHS.  
 3 INSTALL SCREW PILES TO RATED CAPACITIES AS SCHEDULED.  
 4 CONSTRUCT SUSPENDED FOOTINGS AND SUSPENDED SLAB.

UNCONTROLLED FILL  
 UNCONTROLLED FILL MATERIAL ACTING AS LOFT FORMWORK IS REQUIRED TO SUPPORT WET WEIGHT OF CONCRETE. INSTALLATION OF UNDERGROUND SERVICES TO ACCOUNT FOR LEVELS OF COMPACTION OF UNCONTROLLED FILL MATERIAL. ALTERNATIVELY, SUSPENDED BELOW GROUND PIPE WORK FROM UNDERSIDE OF STRUCTURAL SLAB AS REQUIRED.

SCREW PILE TP NOTES  
 SCREW PILES TO BE DESIGNED, CENTRED AND INSTALLED BY A SPECIALIST SUBCONTRACTOR, IN ACCORDANCE WITH AUSTRALIAN STANDARDS. FOLDSING DEPTH OF SCREW PILES INTO NATURALLY OCCURRING STIFF CLAY MATERIAL AS PER THE GEOTECHNICAL REPORT SHALL BE CONFIRMED ON SITE IN ACCORDANCE WITH PILE TESTING. PILES ARE NOT TO BE FOLDED IN FILL MATERIAL. THE ULTIMATE CAPACITY OF PILES SHALL BE CONFIRMED WITH IN-SITU PILE TESTING IN ACCORDANCE WITH AS 2156-2006. TEST PILES SHALL BE IDENTIFIED DURING PILING TO CONFIRM LOAD CAPACITY. PILE COMPUTATIONS AND SITE LOGS SPECIFYING PILE SIZE, INSTALLATION TORQUE AND INSTALLATION DEPTH SHALL BE PROVIDED TO THE SUPERINTENDENT. A COPY OF THE PILE TEST RESULTS SHALL ALSO BE PROVIDED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO PLACING CONCRETE. SCREW PILES TO BE CENTRAL IN FOOTINGS WHERE NOT DIMENSIONED OR ON GRID. CONTRACTOR TO PROVIDE WARRANTY FOR 75 YEAR MINIMUM DESIGN LIFE. ALLOW FOR INCREASED WIND THICKNESS AS NECESSARY. CONTRACTOR TO INCLUDE COST OF PILING IN TENDER.

Copyright of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd, ACN 124 021 887 ABN 88 124 021 887. All rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark registered to ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

The drawing has been assigned an electronic code that applies to the drawing but has been limited and omitted by:

Rev	Description	Date	Drawn	Approved
A	10% OF ISSUE	24/08/21	RT	MP
B	10% OF ISSUE	24/08/21	RT	MP
C	10% OF ISSUE	24/08/21	RT	MP
D	10% OF ISSUE	24/08/21	RT	MP
E	10% OF ISSUE	24/08/21	RT	MP
F	10% OF ISSUE	24/08/21	RT	MP
G	10% OF ISSUE	24/08/21	RT	MP
H	10% OF ISSUE	24/08/21	RT	MP
I	10% OF ISSUE	24/08/21	RT	MP
J	10% OF ISSUE	24/08/21	RT	MP

**LEGEND**

200 DENOTES 200 THICK SUSPENDED SLAB  
 2 LAYERS 50mm MESH BOTTOM EXTEND MESH MIN 100mm INTO EDGE BEAM.  
 50mm MESH TOP. DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL MESH TO BE 1500 LONG EACH WAY TOP OVER INTERNAL SCREW PILE.

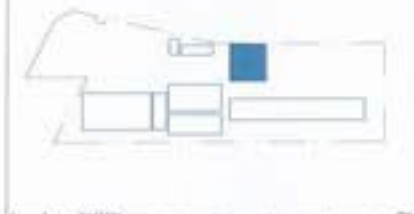
STEP DENOTES CONSTRUCTION JOINT. REFER TO KPS-S-3-01.11 FOR DETAIL.

SLAB DENOTES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR RLs.

TRIMMER DENOTES 300 TRIMMER BARRED TO UNDERSIDE OF MESH.

**NOTES**

- REFER TO DRAWINGS KPS-S-3-01.01, KPS-S-3-01.01 AND KPS-S-3-01.02 FOR ALL STRUCTURAL GENERAL NOTES.
- REFER DRAWING KPS-S-3-01.07 FOR TYPICAL OPENABLE WALL HEADR DETAIL. REFER ARCHITECTURAL DRAWINGS FOR SETOUT SECONDARY STEEL. NOT SHOWN ON STRUCTURAL PLANS.
- REFER TO DRAWINGS KPS-S-3-01.08 FOR ELEVATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
- ALL STEPS FALLS, SETTINGS & WATERPROOFING ARE TO ARCHITECTS DETAILS V.A.D.
- UNLESS NOTED OTHERWISE ALL WET AREA SETTINGS ARE TO BE 90mm MAXIMUM.
- 300 STRUCTURAL RAMP AND JOBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
- ALL SLABS ON GROUND TO BE LAID OVER 200 POLYTHENE MEMBRANE OVER 100mm SECOND SAND.



Footings  
28/9/22

Columns inspected  
28/9/22

! INCORRECT!  
Wrong STEEL  
NO LAPS.

**BUILDING 3 - GROUND FLOOR PLAN**  
 SCALE: 1:100  
 FOR CONTINUATION REFER TO DRAWING KPS-S-4-01.00

STRUCTURAL DRAWINGS HAVE BEEN DESIGNED USING THE ARCHITECTURAL DRAWINGS ISSUED ON THE 03/08/2021

FOR CONSTRUCTION

**RICHARD CROOKES CONSTRUCTIONS**  
 Education School Infrastructure

**BIM**  
 BRIDGE STREET  
 FORTITUDE VALLEY  
 QLD 4101

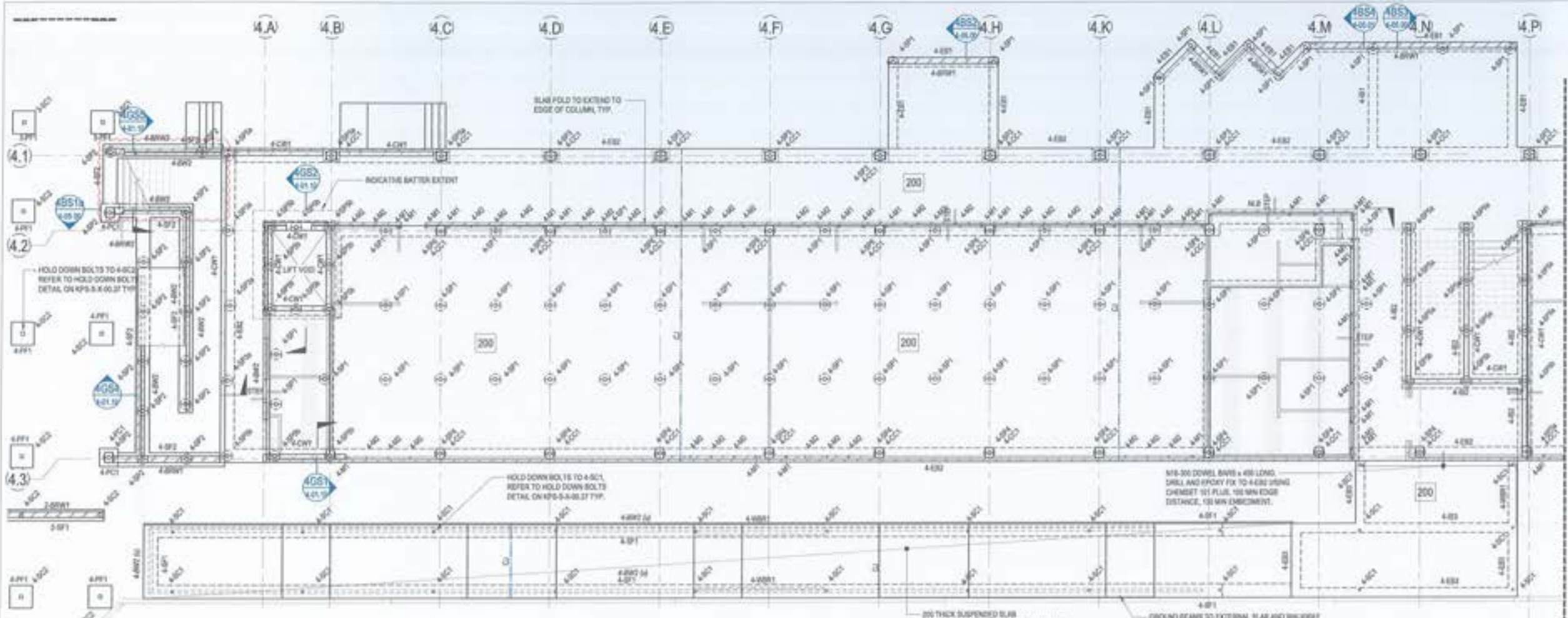
**KINGSLIFF PUBLIC SCHOOL**  
 12 ORENT STREET, KINGSLIFF, NSW 2487

**ACOR CONSULTANTS**  
 ACOR Consultants (QLD) Pty Ltd  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 T +61 7 3844 5500

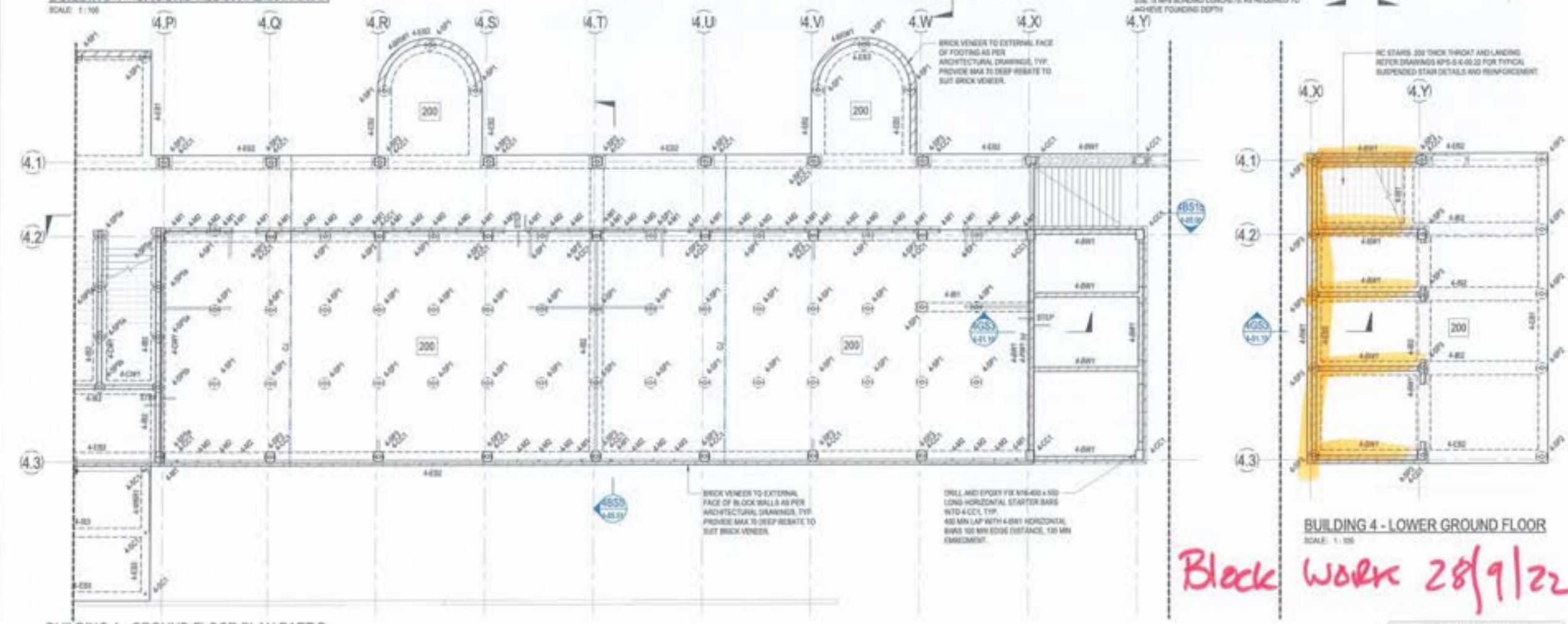
Issued To: STRUCTURAL BUILDING 3 - GROUND FLOOR PLAN

Drawn	Date	Scale	Proj	QA/Check	Date
RT	AUG 2021	1:100	CR	CR	29.08.2021

Project	Project No.	Sheet No.	Total
MP	BR200435	KPS-S-3-01.00	1



**BUILDING 4 - GROUND FLOOR PLAN PART A**  
SCALE: 1:100



**BUILDING 4 - GROUND FLOOR PLAN PART B**  
SCALE: 1:100

**BUILDING 4 - LOWER GROUND FLOOR**  
SCALE: 1:100

*Block work 28/9/22*

FOR CONSTRUCTION

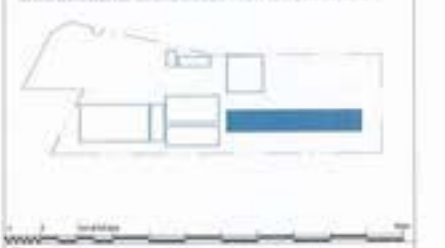
© COPYRIGHT of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd. All rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark owned by ACOR Consultants (2020) Pty Ltd by ACOR Consultants Pty Ltd.

This drawing has been designed as a guide only and should not be used for construction without approval by the client.

Rev	Description	Date	Drawn	Checked
1	ISSUE FOR PERMIT	28/09/22	MP	MP
2	ISSUE FOR CONSTRUCTION	28/09/22	MP	MP
3	ISSUE FOR CONSTRUCTION	28/09/22	MP	MP
4	ISSUE FOR CONSTRUCTION	28/09/22	MP	MP
5	ISSUE FOR CONSTRUCTION	28/09/22	MP	MP
6	ISSUE FOR CONSTRUCTION	28/09/22	MP	MP
7	ISSUE FOR CONSTRUCTION	28/09/22	MP	MP

- LEGEND**
- 200 DENOTES 200 THICK SUSPENDED SLAB 2 LAYERS 300 THICK SUSPENDED SLAB EXTENDING BESH MIN 150mm INTO EDGE BEAM. SLAB MESH TOP. DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL 150-300 x 150-150 LONG EACH WAY TOP OVER INTERNAL SCREW PILE.
  - Denotes SLAB STEP REFER TO ARCHITECTS DRAWING FOR RL.
  - Denotes CONSTRUCTION JOINT REFER DETAIL ON KPS-S-4-01-21.
  - Denotes NET AREA SETDOWS REFER TO ARCHITECTS DRAWING FOR RL.

- NOTES**
- REFER TO DRAWINGS KPS-S-X-01E, KPS-S-4-01E AND KPS-S-4-01F FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWING KPS-S-4-01-21 FOR TYPICAL OPERABLE RAIL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT. SECONDARY STEEL NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOWS & WATERPROOFING ARE TO ARCHITECTS DETAILS UNLESS OTHERWISE NOTED.
  - UNLESS NOTED OTHERWISE ALL NET AREA SETDOWS ARE TO BE 50mm MAX.
  - NON STRUCTURAL RAMPS AND HOBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE Laid OVER 200 POLYTHENE MEMBRANE OVER 50mm BEDDING SAND.
  - REFER TO KPS-S-4-01-01 FOR ADDITIONAL GROUND FLOOR NOTES.



**RICHARD CROOKES CONSTRUCTIONS**  
NSW Education School Infrastructure

**BIM**  
BIM 360  
BRISBANE 301 301 002  
WINDRIVER STREET  
FORTITUDE VALLEY  
QLD 4011  
www.richardcrookes.com.au

**KINGSLIFF PUBLIC SCHOOL**  
12 ORENT STREET, KINGSLIFF, NSW 2487

**ACOR CONSULTANTS**  
ACOR Consultants (QLD) Pty Ltd  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
T +61 7 3844 5900

ENGINEER'S MANUSCRIPT INFRASTRUCTURE PLANNING & DEVELOPMENT CONSULTANTS

Project No: **BR200435** Title: **KPS-S-4-01.00** Sheet: **7**

Drawn	Date	Scale	By	SA Check	Date
RT	AUG 2021	1:100	MP	CR	28.06.2021









### SITE INSPECTION REPORT

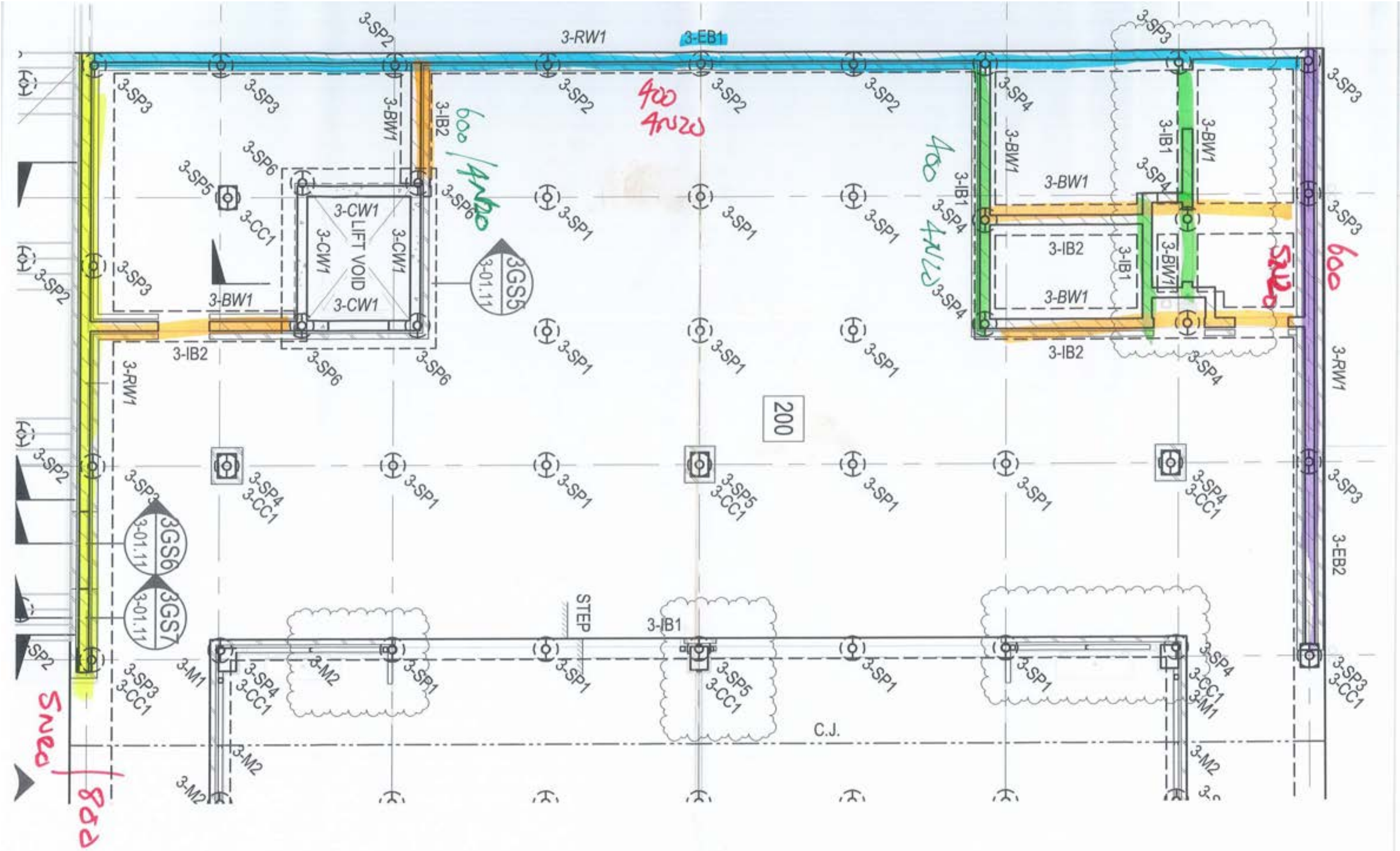
Project: Kingscliff Public School		Contractor: RCC	
Date of Inspection: 30-09-22		Start Time: 1pm	
Inspection by: Richard Smith		Finish Time: 1:20pm	
ACOR Project No: BR200435		Weather: FINE	
Inspection Report No: KPS-0013	No. Pages: 1	Site Manager Name: Brad Perske	
Works Inspected: BLD.4 LIFT PIT WALL / BLD.3 FOOTINGS			
Drawing Reference: KPS-S-3-01.			

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the Lift Baser to Building 3, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

- |     |                                       |
|-----|---------------------------------------|
| 1.  | * REINSPECTION OF BUILDING 3 FOOTINGS |
| 2.  | EXTENT REFER MARK-UP.                 |
| 3.  |                                       |
| 4.  | * CLEAN & REMOVE DEBRIS FROM          |
| 5.  | FOOTINGS                              |
| 6.  |                                       |
| 7.  | * CREATE COLLECT COVER FOR LIFT WALL. |
| 8.  |                                       |
| 9.  | WHEN ABOVE COMPLETE OK TO POUR.       |
| 10. |                                       |
| 11. |                                       |

Inspecting Engineer Signature: 

Site Manager Signature: \_\_\_\_\_



400  
4x20

600  
4x20

400  
4x20

850

600

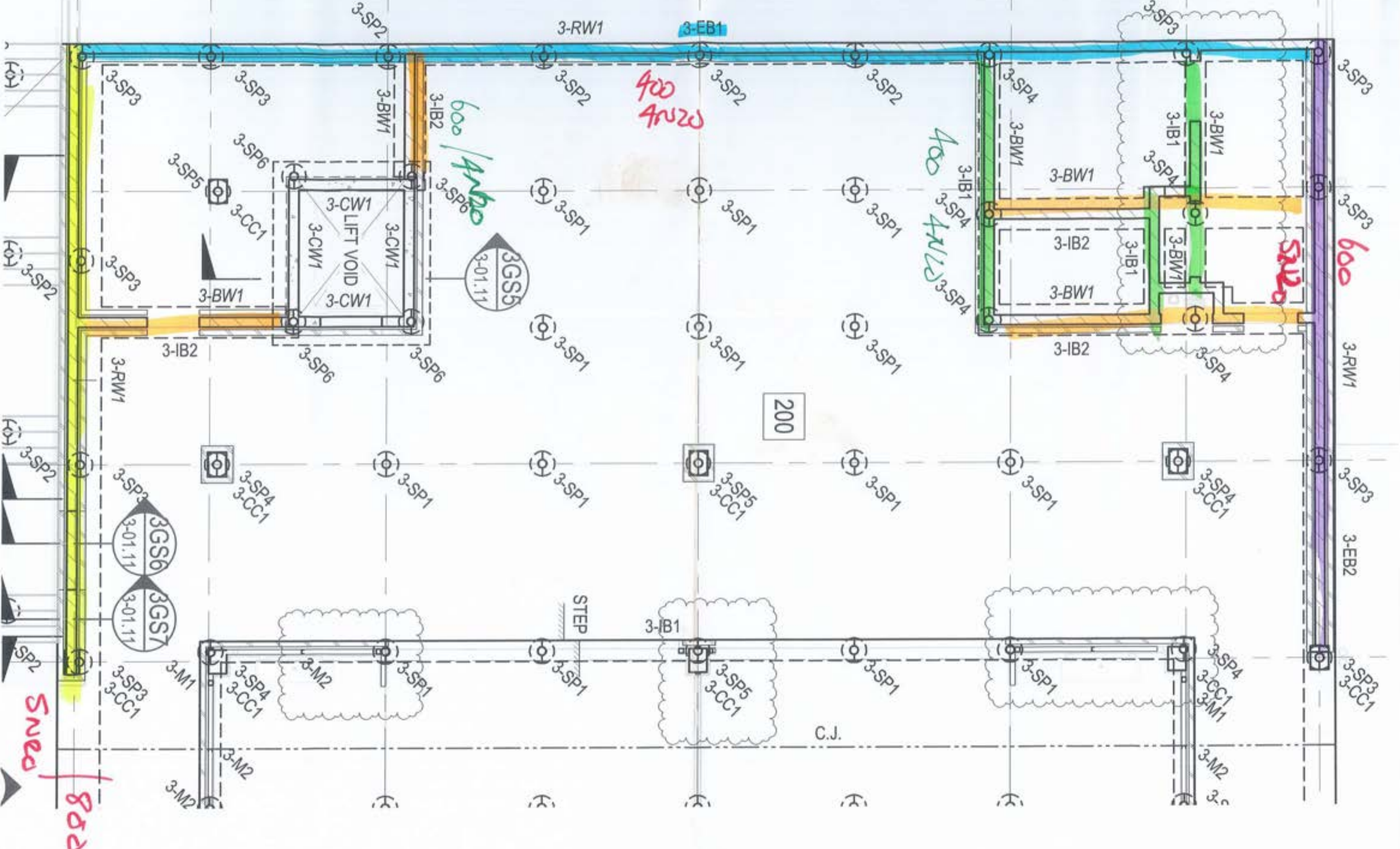
200

850  
Sued

3-CW1  
LIFT VOID  
3-CW1  
3-CW1

STEP

C.J.




SITE INSPECTION REPORT

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 6.10.22		Start Time: 1.15 pm
Inspection by: Richard Smith		Finish Time: 1.45 pm
ACOR Project No: BR200435		Weather: CLOUDY.
Inspection Report No: KPS-014	No. Pages: 1	Site Manager Name: Brad Perske
Works Inspected: Building 3 - SLAB / Building 2 STAIR FOOTING		
Drawing Reference: KPS-5-3-01.00		(KPS-5-2-01.00

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

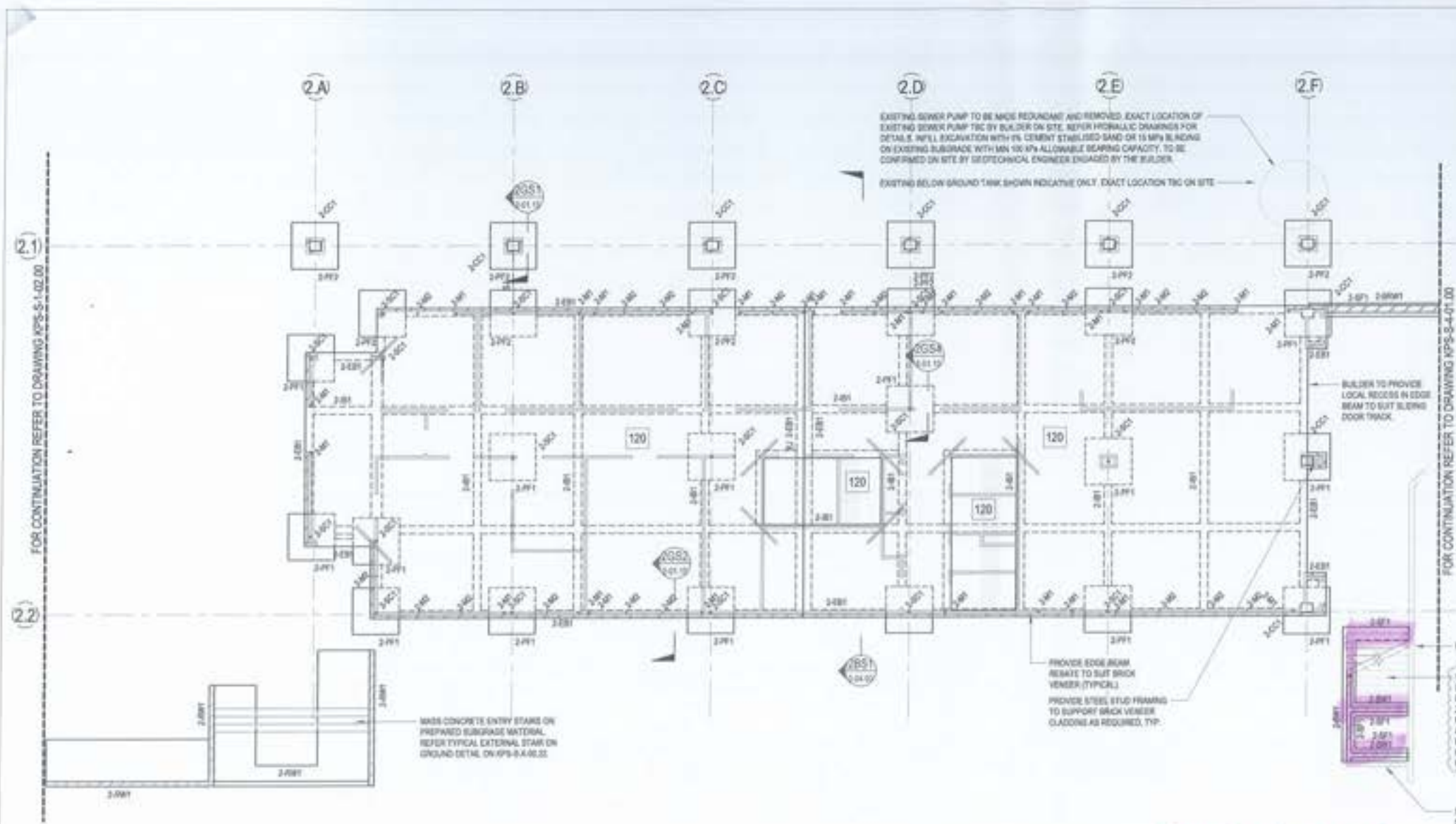
1.	EXTENT OF INSPECTION - REFER
2.	ATTACHED MARK-UP.
3.	Building 3
4.	* ENSURE 2xN12 CRANKED 'U' BARS OVER
5.	SCREW PILES - AS PER DRAWING
6.	WHEN ABOVE COMPLETE OK TO POUR.
7.	Building 2
8.	"ADD EXTRA 2N12 TOP/BOT OF
9.	FOOTINGS + "Z" STEP BARS.
10.	ADD CORNER BARS AS PER
11.	SCHEDULE.

REFER ACOR FOR NEW TO EXISTING FOOTING CONNECTION

Inspecting Engineer Signature: 



Site Manager Signature:



**BUILDING 2 - GROUND FLOOR NOTES**

**120 THICK SLAB ON GROUND**  
 INDICATES 120 THICK SLAB, SLAB MESH TOP AS COVER OVER 2.0mm POLYETHYLENE DAMP PROOF MEMBRANE OVER 30mm NOMINAL SAND BLINDING OVER PROOF ROLLED SUBGRADE.  
 ANY SOFTENED OR LOOSE AREAS THAT DO NOT RESPOND TO PROFILES/LOG SHOULD BE REMOVED AND REPLACED WITH A SUITABLY COMPACTED GRANULAR MATERIAL. REFER TO GEOTECHNICAL REPORT NUMBER 9818-00 BY DOUGLAS PARTNERS DATED APRIL 2020 AND 20862-00 BY DOUGLAS PARTNERS DATED APRIL 2021. FOOTINGS HAVE BEEN PROPORTIONED IN ACCORDANCE WITH AS/NZS 4576 FOR AN ARTICULATED MASONRY VENEER CONSTRUCTION ON A CLASS F SITE WITH CLASS B REACTIVITY WHERE UNCONTROLLED FILL DEPTH DOES NOT EXCEED LIMITS OUTLINED IN AS/NZS. REFER TO ARCHITECTURAL DOCUMENTATION FOR LOCATION OF ARTICULATION JOINTS IN WALLS.

**SLAB ON GROUND - INDICATIVE CONSTRUCTION SEQUENCE**  
 1. STRIP SITE TO BSLA EXCAVATION LEVEL AS PER CIVIL DRAWINGS OR MINIMUM 150mm BELOW NGL (DEPTH OF UNCONTROLLED FILL) WHICHEVER IS GREATER.  
 2. TEST FILL AND ASSESS SUBGRADE IN ACCORDANCE WITH GEOTECHNICAL REPORT.  
 3. PLACE APPROVED FILL MATERIAL IN LAYERS AND COMPACT IN ACCORDANCE WITH GEOTECHNICAL REPORT.  
 4. CONTRACTOR AND MOISTURE CONTENT TO BE REVIEWED AND APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO EXCAVATION OF FOOTINGS.  
 5. PLACE NOMINAL 30mm SAND BLINDING LAYER.  
 6. EXCAVATE FOOTINGS AND GROUND BEAMS TO REQUIRED DEPTHS.  
 7. CONSTRUCT FOOTINGS AND SLAB.

**FOOTINGS**  
 PAD FOOTINGS, STRIP FOOTINGS, EDGE AND INTERNAL BEAMS HAVE BEEN PROPORTIONED TO SIT ON NATIVE LOOSE SILTY SAND WITH AN ALLOWABLE BEARING PRESSURE OF 50 kPa FOR STRIP FOOTINGS AND 100 kPa FOR PAD FOOTINGS. TO BE CONFIRMED ON SITE BY A GEOTECHNICAL ENGINEER ENGAGED BY THE CONTRACTOR PRIOR TO CONCRETE POUR. ALL PAD FOOTINGS, STRIP FOOTINGS, EDGE AND INTERNAL BEAMS ARE TO BE FOUNDED MINIMUM 150mm INTO NATIVE LOOSE SILTY SAND, MINIMUM 50mm BELOW NATURAL GROUND LEVEL. CONTRACTOR TO MAKE AN APPROPRIATE ALLOWANCE FOR OVER EXCAVATION TO SUIT DEPTH OF EXCAVATION. CONTRACTOR TO MAKE ALLOWANCE FOR MINIMUM 60mm DEPTH OF BLINDING CONCRETE BENEATH ALL FOOTINGS AND GROUND BEAMS TO ACHIEVE MINIMUM FOUNDING DEPTH INTO LOOSE SILTY SAND. CONTRACTOR TO PROVIDE A RATE TO VARY THE ACTUAL QUANTITY OF BLINDING CONCRETE USED.

**SOFT SPOT ALLOWANCE**  
 ALLOWANCE IS TO BE MADE FOR SOFT SPOTS. CONTRACTOR TO MAKE ALLOWANCE TO REPLACE 10% OF THE SURFACE AREA BELOW ALL CONCRETE AND ASPHALT PAVEMENTS WHERE A DESIGN SURFACE COR HAS BEEN SPECIFIED. TO A DEPTH OF 60mm AND REPLACEMENT OF THIS VOLUME WITH APPROVED COMPACTED FILL. CONTRACTOR IS TO PROVIDE A RATE TO VARY THE ACTUAL QUANTITY.

**GEOTECHNICAL**  
 DESIGN ASSUMES BUILDING PAD IS ABLE TO BE COMPLETELY CERTIFIED AS LEVEL 1 CONTROLLED FILL. REFER GEOTECH FOR PROPOSED FILL AND RE-USED FILL SPECIFICATIONS.

**EXTENT OF EXISTING RETAINING WALL**

**SUSPENDED RC STAIRS ON UNCONTROLLED FILL MATERIAL AS FORWALK**  
 200 MM THICK TACKERS 100/200 EACH WAY TOP AND BOTTOM. ADDITIONAL 100/200 x 1000 LONG OVER BLOCK WALL AT LANDING. REFER TO DRAWING KPS-S-2-01-03 FOR REINFORCEMENT CONFIGURATION.

**SUITABILITY TO SUPPORT SUSPENDED STAIRS OFF EXISTING RETAINING WALL TO BE CONFIRMED ON SITE.**

Copyright of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd. All rights reserved. A mark not to be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark owned by ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

The drawing has been assigned an electronic code that applies to the drawing has been checked and approved by:

Mark	Description	Date	By	Approved
2	DESIGNER	20/05/21	WJL	WJL
1	REVISED DRAWING	16/05/21	WJL	WJL
1	CONSTRUCTION ISSUE	20/05/21	WJL	WJL
1	REVISED CONSTRUCTION	01/07/21	WJL	WJL
1	REVISED CONSTRUCTION	04/07/21	WJL	WJL

- LEGEND**
- 120 INDICATES 120 THICK SLAB REINFORCED WITH 1 LAYER OF SLAB MESH TOP.
  - INDICATES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR R.A.
  - EA INDICATES EXPANSION JOINT. REFER TO KPS-S-2-01-02 FOR DETAIL.
  - INDICATES WET AREA SETDOWN. REFER TO ARCHITECTS DRAWINGS FOR R.A.
  - INDICATES 100 TRAMMER BARS TIED TO UNDERSIDE OF MESH.
- NOTES**
- REFER TO DRAWINGS KPS-S-2-01-01, KPS-S-2-01-02 AND KPS-S-2-01-03 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS UNLESS NOTED OTHERWISE.
  - UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 30mm BELOW FIN.
  - NON STRUCTURAL DAMPS AND JOBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLAB ON GROUND TO BE LAD OVER 200 POLYETHYLENE MEMBRANE OVER 30mm BEDDING SAND.
  - EXTERNAL PAVEMENT EXTENT TO BE COORDINATED WITH CIVIL AND LANDSCAPE ARCHITECT.



**BUILDING 2 - GROUND FLOOR**  
 SCALE: 1:100

*STAIR FOOTINGS INSPECTED 6/10/22*

**BUILDING 2 - WALL SCHEDULE**

MARK	SIZE & TYPE	WALL REINFORCEMENT		COMMENTS
		HORIZONTAL	VERTICAL	
3-BW1	100 BLOCKWORK WALL	N16-400 CENTRAL	N16-400 CENTRAL	
3-BW2	100 BRICKWORK WALL			
3-BW3	175 BRICKWORK			UNREINFORCED DOUBLE BRICK SEATING WALL CONSTRUCTED WITH BRICK TIES. 1000 MM HEIGHT.
3-RW1	100 BLOCKWORK WALL			REFER TO TYPICAL DETAIL ON KPS-S-2-01-03

**BUILDING 2 - FOOTING SCHEDULE**

MARK	DEPTH (A) x WIDTH (B)		REINFORCEMENT		COMMENTS
	A	B	BOTTOM	TOP	
3-EB1	400	300	3L111TM	2N12	FOOTING INTO LOOSE SILTY SAND
3-IB1	400	300	3L111TM	2N12	FOOTING INTO LOOSE SILTY SAND
3-SP1	400	300	5L111TM	5L111TM	R16-800 FOOTING INTO LOOSE SILTY SAND

**BUILDING 2 - PAD FOOTING SCHEDULE**

MARK	LENGTH (A) x WIDTH (B) x DEPTH (C)			REINFORCEMENT			COMMENTS
	A	B	C	LAY 1ST	LAY 2ND	LAY 4TH	
3-PF1	300	300	800	N16-200	N16-200	3L30 MESH	FOOTING INTO LOOSE SILTY SAND
3-PF2	300	300	800	N16-200	N16-200	3L30 MESH	FOOTING INTO LOOSE SILTY SAND

**BUILDING 2 - STEEL COLUMN SCHEDULE**

MARK	SIZE	COMMENTS
3-M1	1000x1000	REFER TYPICAL NON-LOAD BEARING MULLION CONNECTION DETAIL ON KPS-S-2-01-02

**BUILDING 2 - CONCRETE COLUMN SCHEDULE**

MARK	SIZE	VERTICAL REINFORCEMENT	SLAB	CONCRETE STRENGTH (MPa)	COMMENTS
3-CC1	300x300	N16	N12-200	40	

**RICHARD CROOKES CONSTRUCTIONS**  
 Education School Infrastructure

**BIM**

**KINGSLIFF PUBLIC SCHOOL**  
 12 ORIENT STREET, KINGSLIFF, NSW 2487

**ACOR Consultants (QLD) Pty Ltd**  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 T +61 7 3844 0900

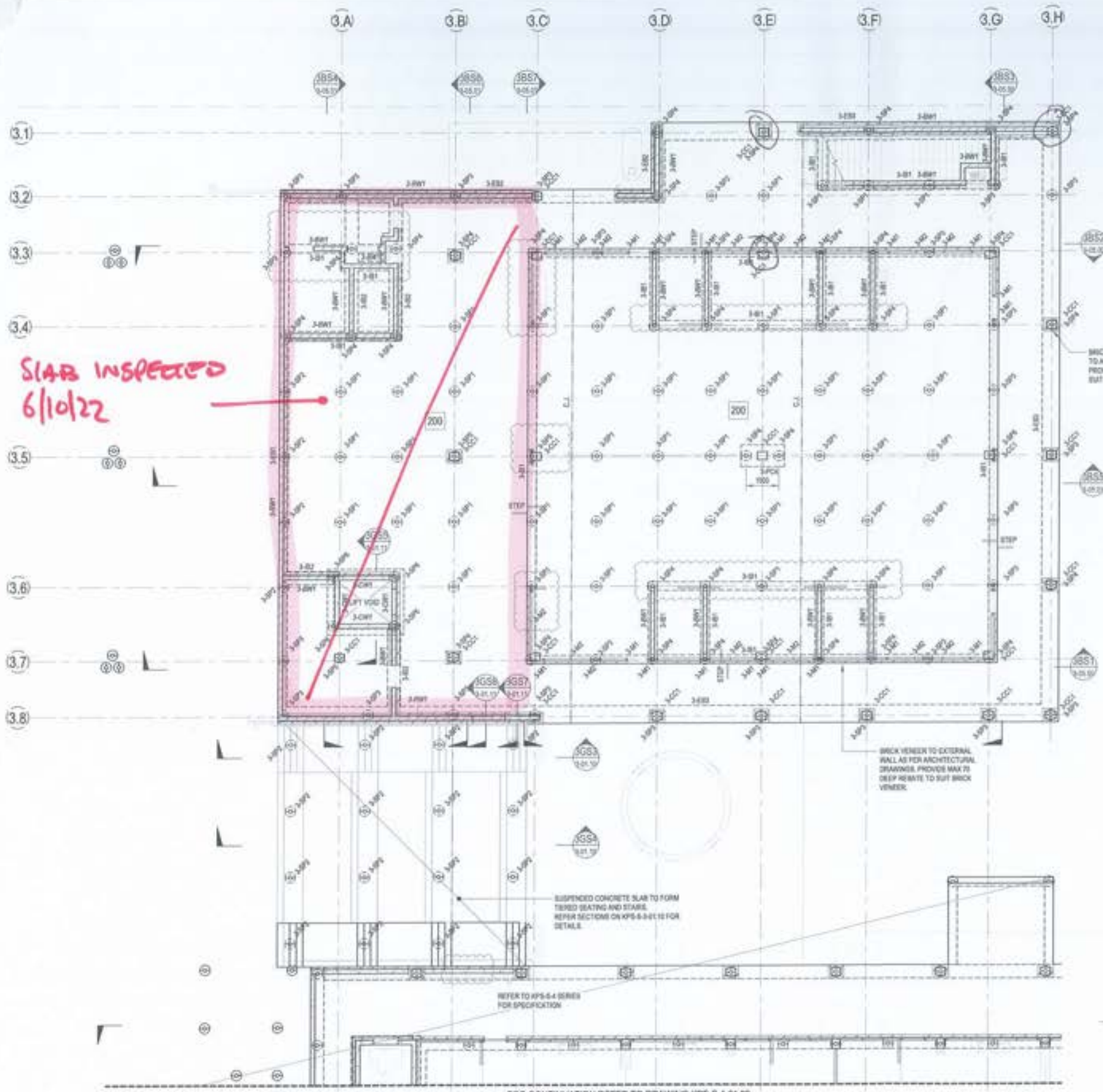
CONSULTANTS

ENGINEERS/MANAGERS/INFRASTRUCTURE PLANNING/DEVELOPMENT CONSULTANTS

Issued By: **STRUCTURAL BUILDING 2 - GROUND FLOOR PLAN**

Drawn: RT	Site: JUNE 2021	Scale: 1:100	Sheet: 41	SA Check: DL / DS	Date: 26.05.2021
Design: MP	Project: BR200435	Drawn: KPS-S-2-01.00	Sheet: 1		

**FOR CONSTRUCTION**



SLAB INSPECTED  
6/10/22

**BUILDING 3 - GROUND FLOOR PLAN**  
SCALE: 1:100

FOR CONTINUATION REFER TO DRAWING KPS-S-4-01.00

**BUILDING 2 - GROUND FLOOR NOTES:**

**200 THICK SUSPENDED GROUND LEVEL SLAB**  
CONSTRUCT 200 THICK SUSPENDED GROUND LEVEL SLAB ON 2mm POLYTHENE GIMP PROOF MEMBRANE OVER 50mm NOMINAL SAND BLINDING OVER UNPREPARED SUBGRADE. SLAB AND BEAMS ARE DESIGNED AS SUSPENDED. FILL MATERIAL IS TO BE FREE OF CONTAMINANTS AND ORGANIC MATTER AND IS TO BE APPROVED BY THE SUPERINTENDENT. NO SAWCUT JOINTS ARE REQUIRED OR PERMITTED IN SUSPENDED SLAB SUPPORTED ON SCREW PILES.

**SUSPENDED GROUND LEVEL SLAB - INDICATIVE CONSTRUCTION SEQUENCE**  
1. STRIP SITE TO BLK EXCAVATION LEVEL AS PER CIVIL DRAWINGS.  
2. EXCAVATE GROUND BEAMS TO REQUIRED DEPTHS.  
3. INSTALL SCREW PILES TO RATED CAPACITIES AS SCHEDULED.  
4. CONSTRUCT SUSPENDED FOOTINGS AND SUSPENDED SLAB.

**UNCONTROLLED FILL**  
UNCONTROLLED FILL MATERIAL ACTING AS LIFT FORMWORK IS REQUIRED TO SUPPORT NET WEIGHT OF CONCRETE. INSTALLATION OF UNDERGROUND SERVICES TO ACCOMMODATE LEVEL OF COMPACTION OF UNCONTROLLED FILL MATERIAL. ALTERNATIVELY, SUSPENDED BELOW GROUND PIPE WORK FROM UNDERSIDE OF STRUCTURAL SLAB AS REQUIRED.

**FOOTINGS**  
STRIP FOOTINGS, EDGE AND INTERNAL BEAMS HAVE BEEN DESIGNED AS SUSPENDED OVER UNPREPARED SUBGRADE SUPPORTED ON SCREW PILES INSTALLED TO RATED CAPACITIES AS SCHEDULED. CONTRACTOR TO MAKE AN APPROPRIATE ALLOWANCE FOR OVER EXCAVATION TO SUIT DEPTH OF EXCAVATION.

**SCREW PILE SET NOTES**  
SCREW PILES TO BE DESIGNED, CERTIFIED AND INSTALLED BY A SPECIALIST SUBCONTRACTOR, IN ACCORDANCE WITH AUSTRALIAN STANDARDS. FOUNDATION DEPTH OF SCREW PILES INTO NATURALLY OCCURRING STIFF CLAY MATERIAL AS PER THE GEOTECHNICAL REPORT SHALL BE CONFIRMED ON SITE IN ACCORDANCE WITH PILE TESTING. PILES ARE NOT TO BE FOUNDED IN FILL MATERIAL. THE ULTIMATE CAPACITY OF PILES SHALL BE CONFIRMED WITH IN-SITU PILE TESTING IN ACCORDANCE WITH AS 2159-2009. TEST PILES SHALL BE IDENTIFIED DURING PILING TO CONFIRM LOAD CAPACITY. PILE COMPUTATIONS AND SITE LOGS SPECIFYING PILE SIZE, INSTALLATION TORQUE AND INSTALLATION DEPTH SHALL BE PROVIDED TO THE SUPERINTENDENT. A COPY OF THE PILE TEST RESULTS SHALL ALSO BE PROVIDED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO PLACING CONCRETE. SCREW PILES TO BE CENTRAL IN FOOTING/BEAM WHERE NOT DIMENSIONED OR ON GRID. CONTRACTOR TO PROVIDE WARRANTY FOR 75 YEAR MINIMUM DESIGN LIFE. ALLOW FOR INCREASED WALL THICKNESS AS NECESSARY. CONTRACTOR TO INCLUDE COST OF PILING IN TENDER.

Copyright of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd. All rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark owned by ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

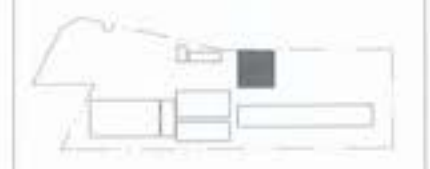
This drawing has been prepared or modified using the software by the following team member checked and approved by:

Name	Description	Date	Status	Approved
RT	REVISED	29/06/2021	RT	MP
MP	ISSUED	29/06/2021	MP	MP
MP	CONSTRUCTION	29/06/2021	MP	MP
MP	REVISED	29/06/2021	MP	MP
MP	REVISED	29/06/2021	MP	MP
MP	REVISED	29/06/2021	MP	MP

**LEGEND**

- 200 DENOTES 200 THICK SUSPENDED SLAB
- 2 LAYERS 600 MESH BOTTOM. EXTEND MESH MIN 150mm INTO EDGE BEAM
- 2 LAYERS 600 MESH TOP. DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL 100x200 x 150 LONG EACH WAY TOP OVER INTERNAL SCREW PILE.
- CS DENOTES CONSTRUCTION JOINT. REFER TO AFS-S-4-02.01 FOR DETAIL.
- CS DENOTES SLAB STOP. REFER TO ARCHITECT'S DRAWINGS FOR PLS.
- CS DENOTES 36x12 TRIMMER BARS TIED TO UNDERSIDE OF MESH.

- NOTES:**
- REFER TO DRAWINGS AFS-S-4-01.01, AFS-S-4-02.01 AND AFS-S-4-03.01 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWING AFS-S-4-04.01 FOR TYPICAL OPERABLE WALL HEADER DETAIL. REFER ARCHITECTURAL DRAWINGS FOR SETOUT, SECONDARY STEEL, NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO DRAWING AFS-S-4-05.01 FOR ELEVATIONS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECT'S DETAILS UNO.
  - UNLESS NOTED OTHERWISE ALL NET AREA SETDOWNS ARE TO BE 50mm MAXIMUM.
  - NON STRUCTURAL IRMS AND HORS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE LAG OVER 200µ POLYTHENE MEMBRANE OVER 50mm BEDDING SAND.



**RICHARD CROOKES CONSTRUCTIONS**  
Education School Infrastructure

**BIM**

**KINGSCLIFF PUBLIC SCHOOL**  
12 ORIENT STREET, KINGSCLIFF, NSW 2487

**ACOR CONSULTANTS (QLD) Pty Ltd**  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
T +61 7 3544 5900

STRUCTURAL DRAWINGS HAVE BEEN DESIGNED USING THE ARCHITECTURAL DRAWINGS ISSUED ON THE 15/06/2021

**FOR CONSTRUCTION**

Drawn	Date	Scale	By	C.A. Check	Date
RT	AUG 2021	1:100	RT	CR	29/06/2021

Project	Drawn	Sheet
BR200435	KPS-S-3-01.00	5



ACOR Consultants (Qld) Pty Ltd  
ABN 18 126 011 087  
BRISBANE OFFICE  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
Telephone: T +61 7 3844 5900  
www.acor.com.au

### SITE INSPECTION REPORT

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 17/10/22	Start Time: 3:30 pm	
Inspection by: Richard Smith	Finish Time: 4:00 pm	
ACOR Project No: BR200435	Weather: CLOUDY.	
Inspection Report No: KPS-o	No. Pages:	Site Manager Name: Brad Perske
Works Inspected: BLD 4 - Columns BLD 3, Block Wall, Columns.		
Drawing Reference: KPS-S-3-01.00 KPS-S-4-01.00		

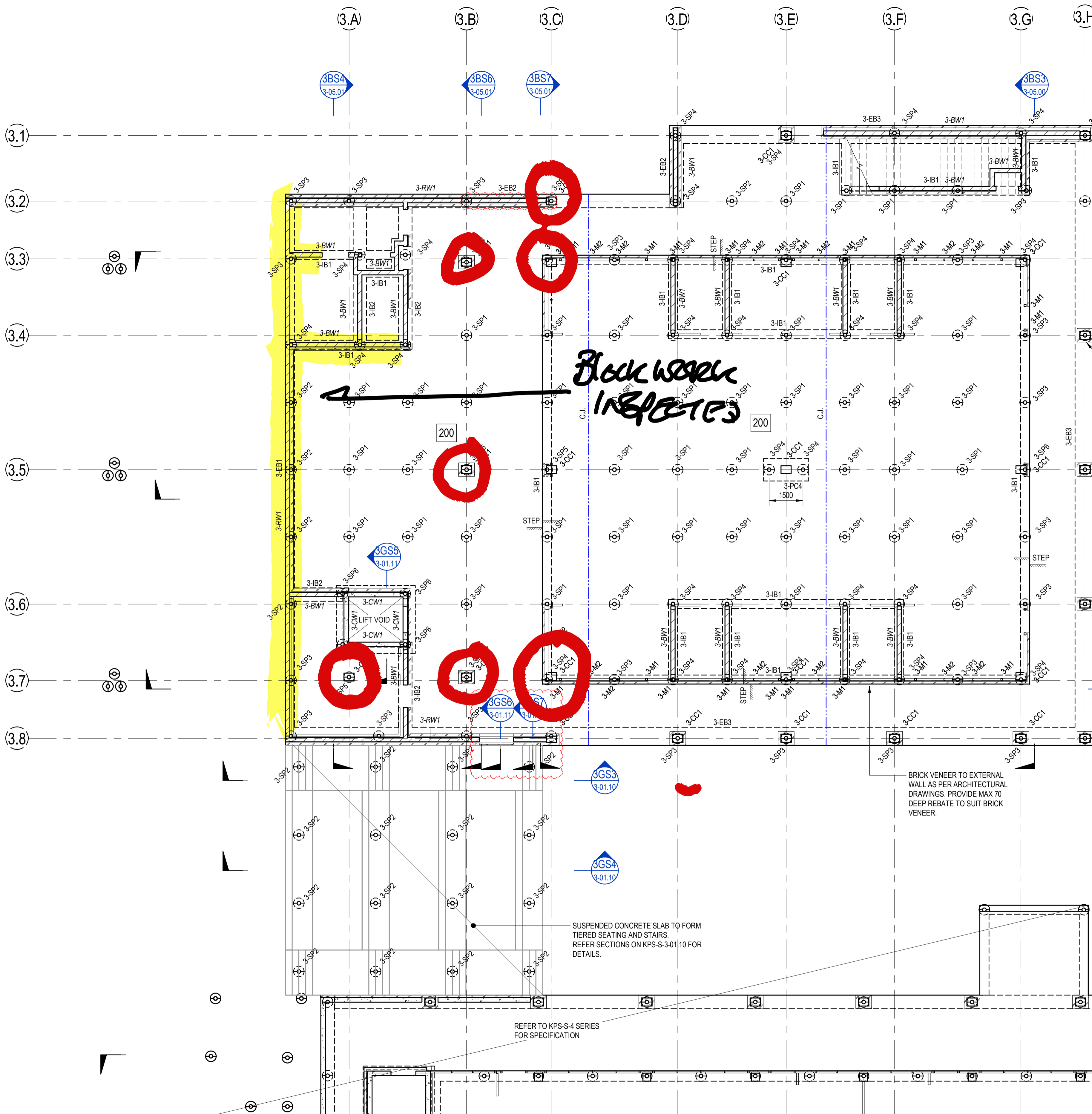
Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

1.	TIE OFF REMAINING CENTRAL FITMENTS
2.	PLACE CORRECT 'L' BARS TO
3.	INTERSECTING BLOCK WALLS.
4.	- EXTENT? REFER MARK UP.
5.	
6.	
7.	WHEN ABOVE COMPLETE - OK TO POUR.
8.	
9.	
10.	
11.	

Inspecting Engineer Signature:

Site Manager Signature:





**BUILDING 3 - GROUND FLOOR NOTES:**

200 THICK SUSPENDED GROUND LEVEL SLAB  
 CONSTRUCT SUSPENDED GROUND LEVEL SLAB ON 0.2mm POLYTHENE DAMP PROOF  
 MEMBRANE OVER 50mm NOMINAL SAND BLINDING OVER UNPREPARED SUBGRADE.  
 SLAB AND BEAMS ARE DESIGNED AS SUSPENDED. FILL MATERIAL IS TO BE FREE OF  
 CONTAMINANTS AND ORGANIC MATTER AND IS TO BE APPROVED BY THE  
 SUPERINTENDENT. NO SAWCUT JOINTS ARE REQUIRED OR PERMITTED IN SUSPENDED  
 SLAB SUPPORTED ON SCREW PILES.

**SUSPENDED GROUND LEVEL SLAB - INDICATIVE CONSTRUCTION SEQUENCE:**

1. STRIP SITE TO BULK EXCAVATION LEVEL AS PER CIVIL DRAWINGS.
2. EXCAVATE GROUND BEAMS TO REQUIRED DEPTHS.
3. INSTALL SCREW PILES TO RATED CAPACITIES AS SCHEDULED.
4. CONSTRUCT SUSPENDED FOOTINGS AND SUSPENDED SLAB.

**UNCONTROLLED FILL:**  
 UNCONTROLLED FILL MATERIAL ACTING AS LOST FORMWORK IS REQUIRED TO  
 SUPPORT WET WEIGHT OF CONCRETE. INSTALLATION OF UNDERGROUND SERVICES  
 TO ACCOUNT FOR LEVEL OF COMPACTION OF UNCONTROLLED FILL MATERIAL.  
 ALTERNATIVELY, SUSPENDED BELOW GROUND PIPE WORK FROM UNDERSIDE OF  
 STRUCTURAL SLAB AS REQUIRED.

**FOOTINGS:**  
 STRIP FOOTINGS, EDGE AND INTERNAL BEAMS HAVE BEEN DESIGNED AS SUSPENDED  
 OVER UNPREPARED SUBGRADE SUPPORTED ON SCREW PILES INSTALLED TO RATED  
 CAPACITIES AS SCHEDULED. CONTRACTOR TO MAKE AN APPROPRIATE ALLOWANCE  
 FOR OVER-EXCAVATION TO SUIT DEPTH OF EXCAVATION.

**SCREW PILE 'SP' NOTES:**  
 SCREW PILES TO BE DESIGNED, CERTIFIED AND INSTALLED BY A SPECIALIST  
 SUBCONTRACTOR, IN ACCORDANCE WITH AUSTRALIAN STANDARDS. FOUNDING DEPTH  
 OF SCREW PILES INTO NATURALLY OCCURRING STIFF CLAY MATERIAL AS PER THE  
 GEOTECHNICAL REPORT SHALL BE CONFIRMED ON SITE IN ACCORDANCE WITH PILE  
 TESTING. PILES ARE NOT TO BE FOUND IN FILL MATERIAL. THE ULTIMATE CAPACITY  
 OF PILES SHALL BE CONFIRMED WITH IN-SITU PILE TESTING IN ACCORDANCE WITH AS  
 2159-2009. TEST PILES SHALL BE IDENTIFIED DURING PILING TO CONFIRM LOAD  
 CAPACITY. PILE COMPUTATIONS AND SITE LOGS SPECIFYING PILE SIZE, INSTALLATION  
 TORQUE AND INSTALLATION DEPTH SHALL BE PROVIDED TO THE SUPERINTENDENT. A  
 COPY OF THE PILE TEST RESULTS SHALL ALSO BE PROVIDED TO THE  
 SUPERINTENDENT FOR APPROVAL PRIOR TO PLACING CONCRETE. SCREW PILES TO BE  
 CENTRAL IN FOOTING/BEAM WHERE NOT DIMENSIONED OR ON GRID. CONTRACTOR TO  
 PROVIDE WARRANTY FOR 75 YEAR MINIMUM DESIGN LIFE. ALLOW FOR INCREASED  
 WALL THICKNESS AS NECESSARY. CONTRACTOR TO INCLUDE COST OF PILING IN  
 TENDER.

*Block work inspected*

*EXTENT OF COLUMN REINFORCEMENT INSPECTED*

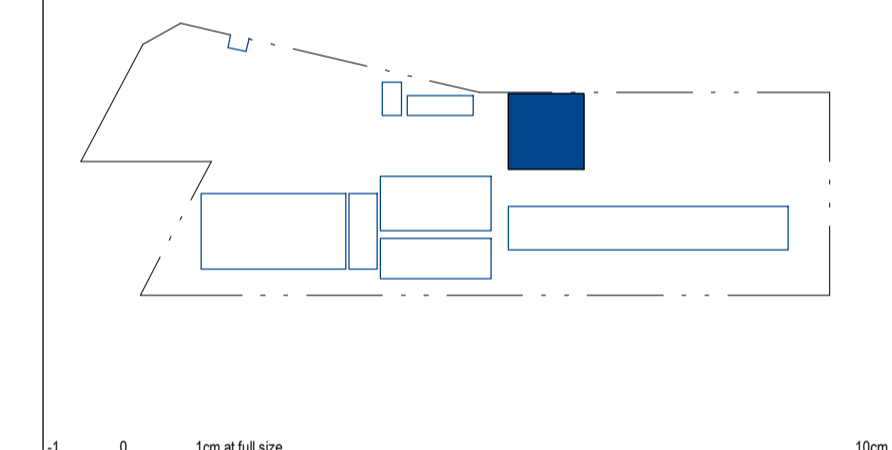
© COPYRIGHT of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd, ACN 126 011 087 ABN 18 126 011 087, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark licensed to ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by: -

Issue	Description	Date	Drawn	Approved
A	50% DD ISSUE	02/03/2021	RT	JN
B	70% DD ISSUE	23/04/2021	RT	MP
C	100% DD ISSUE	04/06/2021	RT	MP
1	CONSTRUCTION ISSUE	02/07/2021	RT	RS
2	REVISED CONSTRUCTION	29/07/2021	RT	MP
3	REVISED CONSTRUCTION	06/08/2021	RT	MP
4	REVISED CONSTRUCTION	24/08/2021	RT	MP

- LEGEND**
- 200** DENOTES 200 THICK SUSPENDED SLAB. 2 LAYERS SL92 MESH BOTTOM. EXTEND MESH MIN 150mm INTO EDGE BEAM. SL102 MESH TOP. DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL N12-300 x 1500 LONG EACH WAY TOP OVER INTERNAL SCREW PILE.
  - CJ** DENOTES CONSTRUCTION JOINT. REFER TO KPS-S-X-00.21 FOR DETAIL.
  - DENOTES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR RL'S.
  - DENOTES 3N12 TRIMMER BARS TIED TO UNDERSIDE OF MESH.

- NOTES:**
- REFER TO DRAWINGS KPS-S-X-0010, KPS-S-X-0011 AND KPS-S-X-0012 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWING KPS-S-X-00.27 FOR TYPICAL OPERABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT. SECONDARY STEEL NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO DRAWINGS KPS-S-3-04.00 FOR ELEVATIONS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.O.
  - UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 50mm MAXIMUM.
  - NON STRUCTURAL RAMPS AND HOBBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE LAID OVER 200µm POLYTHENE MEMBRANE OVER 50mm BEDDING SAND.



Client

**RICHARD CROOKES CONSTRUCTIONS**

NSW Education School Infrastructure

Architect

**BIM**

BRISBANE  
 (07) 3257 3622  
 99 BROOKES STREET  
 FORTITUDE VALLEY  
 4006, QLD  
 www.bickertonmasters.com.au

Project

**KINGSLIFF PUBLIC SCHOOL**

12 ORIENT STREET, KINGSLIFF, NSW 2487

**ACOR Consultants (QLD) Pty Ltd**

Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 T +61 7 3844 5900

ENGINEERS|MANAGERS|INFRASTRUCTURE PLANNERS|DEVELOPMENT CONSULTANTS

Drawing Title  
**STRUCTURAL BUILDING 3 - GROUND FLOOR PLAN**

Drawn	Date	Scale	A1	O.A. Check	Date
RT	AUG 2021	1:100		CR	29.06.2021

Designed	Project No.	Dwg No.	Issue
MP	BR200435	KPS-S-3-01.00	4

**BUILDING 3 - GROUND FLOOR PLAN**  
 SCALE: 1:100

STRUCTURAL DRAWINGS HAVE BEEN DESIGNED USING THE ARCHITECTURAL DRAWINGS ISSUED ON THE 17/06/2021

**FOR CONSTRUCTION**

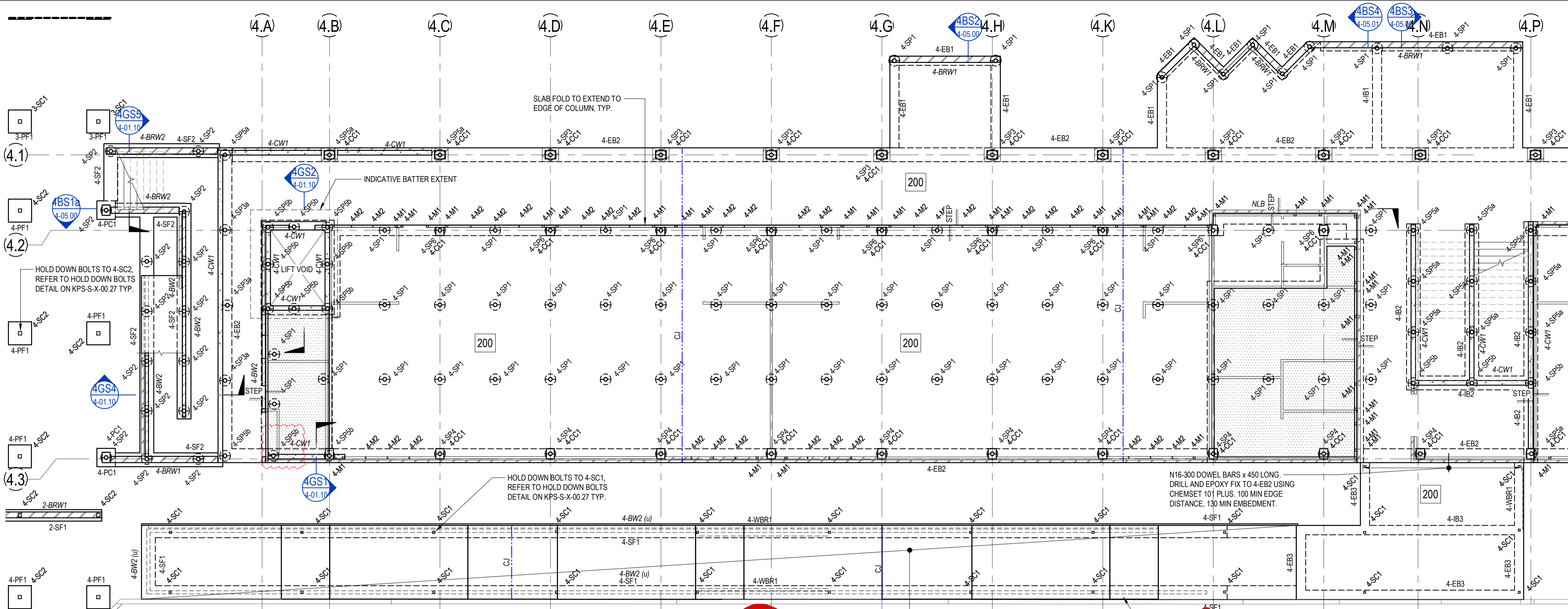
FOR CONTINUATION REFER TO DRAWING KPS-S-4-01.00

SUSPENDED CONCRETE SLAB TO FORM TIERED SEATING AND STAIRS. REFER SECTIONS ON KPS-S-3-01.10 FOR DETAILS.

REFER TO KPS-S-4 SERIES FOR SPECIFICATION

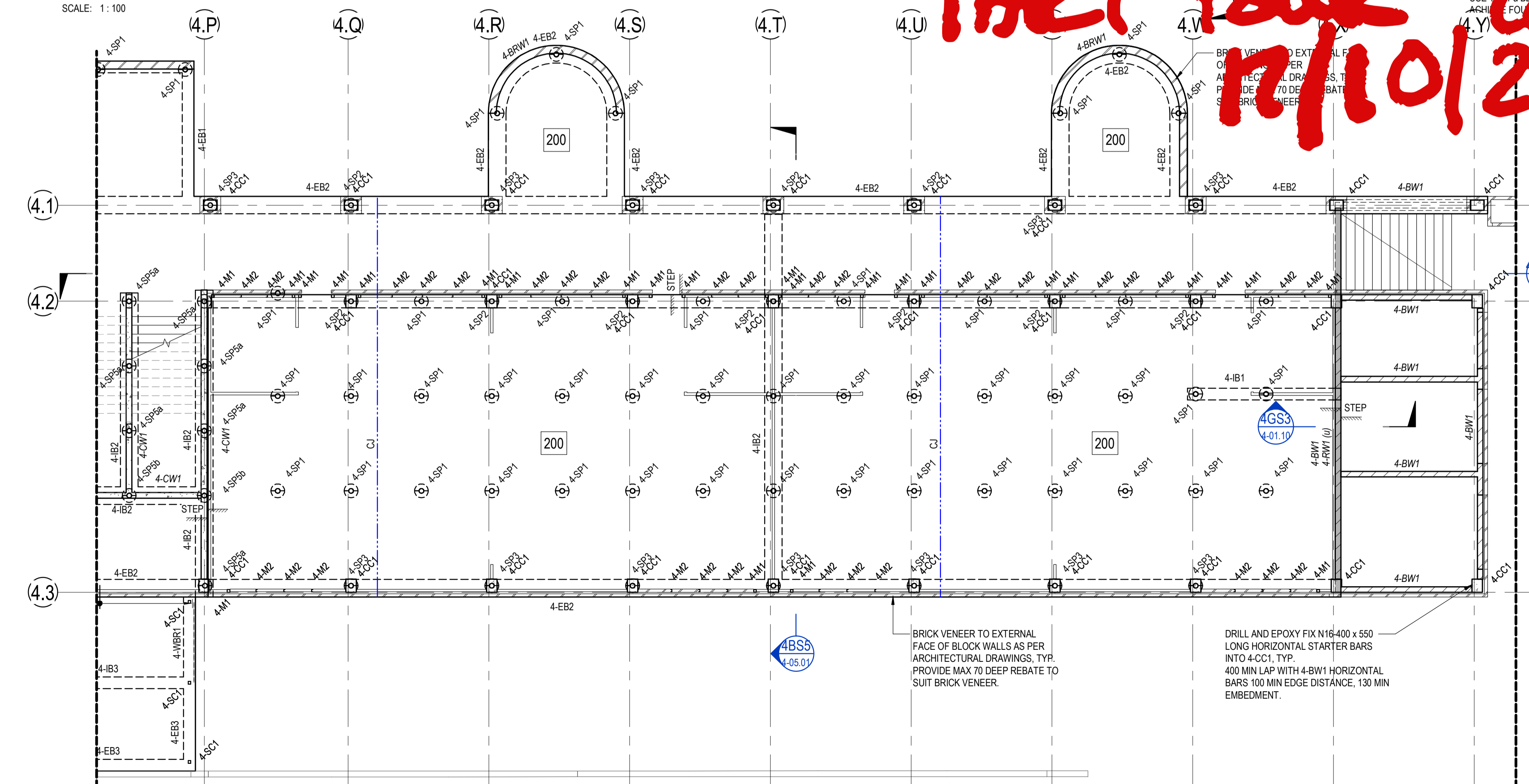
BRICK VENEER TO EXTERNAL WALL AS PER ARCHITECTURAL DRAWINGS. PROVIDE MAX 70 DEEP REBATE TO SUIT BRICK VENEER.

BRICK VENEER CLADDING TO 3-CC1 TO ARCHITECT'S DETAIL. PROVIDE MAX 70 DEEP REBATE TO SUIT BRICK VENEER, TYP.

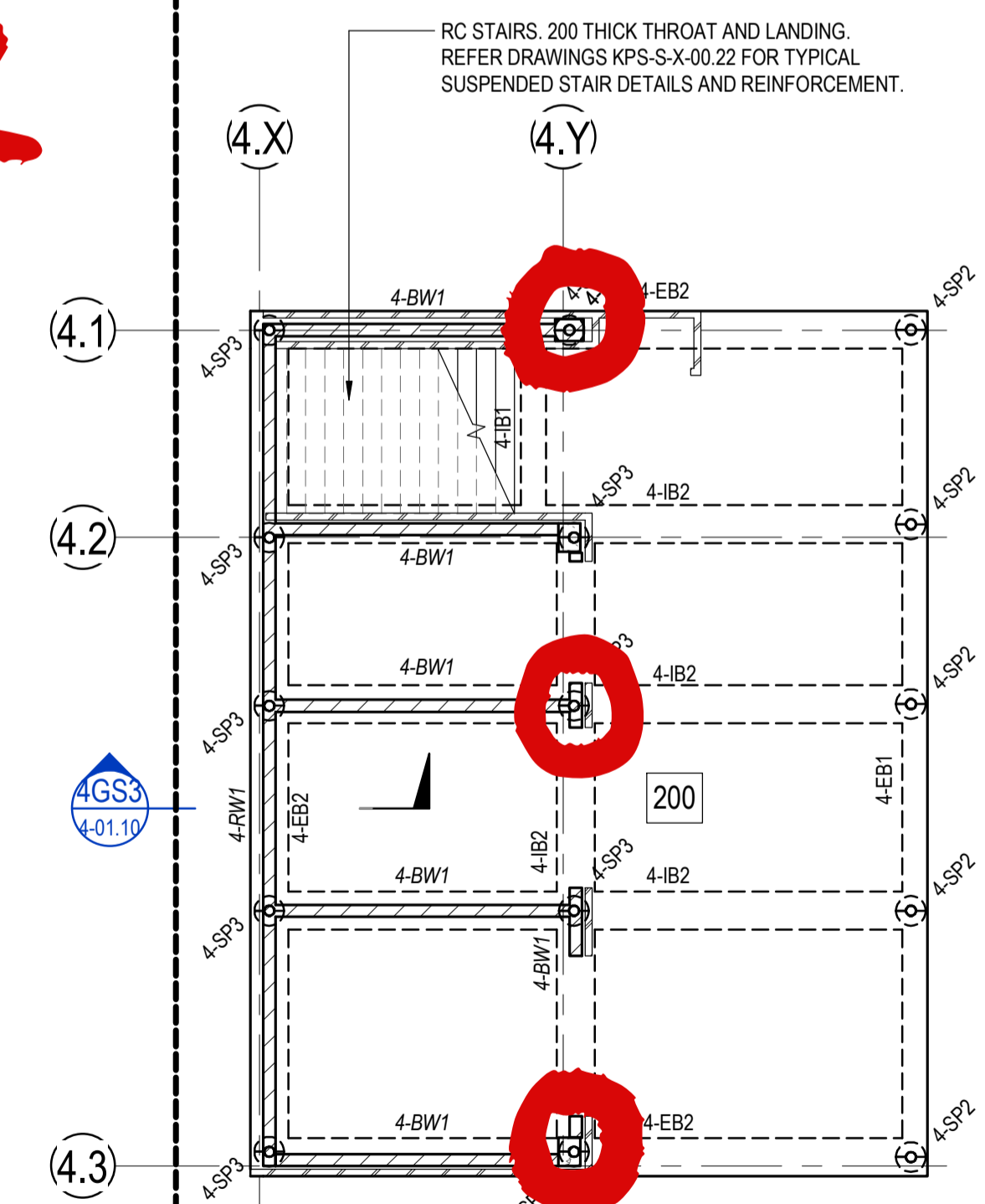


**BUILDING 4 - GROUND FLOOR PLAN PART A**  
SCALE: 1:100

**PART FOUR**  
**Columns**  
**R/10/22**



**BUILDING 4 - GROUND FLOOR PLAN PART B**  
SCALE: 1:100



**BUILDING 4 - LOWER GROUND FLOOR**  
SCALE: 1:100

STRUCTURAL DRAWINGS HAVE BEEN DESIGNED USING THE ARCHITECTURAL DRAWINGS ISSUED ON THE 17/06/2021

**FOR CONSTRUCTION**

© COPYRIGHT of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd, ACN 126 011 087 ABN 18 126 011 087, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark licensed to ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

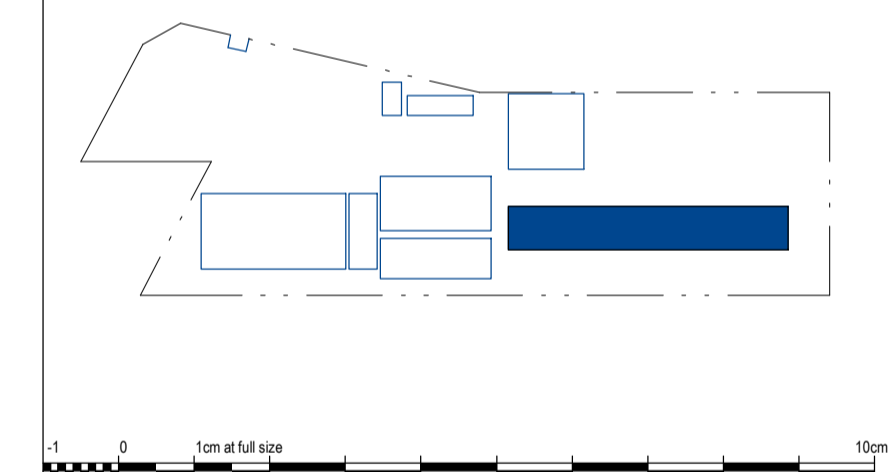
This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by: CR

Issue	Description	Date	Drawn	Approved
A	50% DD ISSUE	02/03/2021	RT	JN
B	70% DD ISSUE	23/04/2021	RT	MP
C	100% DD ISSUE	11/06/2021	RT	MP
1	CONSTRUCTION ISSUE	02/07/2021	RT	RS
2	REVISED CONSTRUCTION	29/07/2021	RT	MP
3	REVISED CONSTRUCTION	06/08/2021	RT	MP
4	REVISED CONSTRUCTION	24/08/2021	RT	MP

- LEGEND**
- 200** DENOTES 200 THICK SUSPENDED SLAB. 2 LAYERS SL92 MESH BOTOM. EXTEND MESH MIN 150mm INTO EDGE BEAM. SL102 MESH TOP. DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL N12-300 x 1500 LONG EACH WAY TOP OVER INTERNAL SCREW PILE.
  - STEP** DENOTES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR RL'S.
  - CJ** DENOTES CONSTRUCTION JOINT. REFER DETAIL ON KPS-S-X-00.29
  - WET AREA** DENOTES WET AREA SETDOWN. REFER TO ARCHITECTS DRAWINGS FOR RL'S.

- NOTES:**
- REFER TO DRAWINGS KPS-S-X-0010, KPS-S-X-0011 AND KPS-S-X-0012 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWING KPS-S-X-00.27 FOR TYPICAL OPERABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT. SECONDARY STEEL NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.M.Q.
  - UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 50mm MAX.
  - NON STRUCTURAL RAMPS AND HOBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE LAID OVER 200µ POLYTHENE MEMBRANE OVER 50mm BEDDING SAND.
  - REFER TO KPS-S-4-01.01 FOR ADDITIONAL GROUND FLOOR NOTES.

NOTE: REFER TO KPS-S-4-01.01 FOR GROUND FLOOR SCHEDULES.



Client  
**RICHARD CROOKES CONSTRUCTIONS**

Architect  
**NSW Education Infrastructure**

Architect  
**BIM CONSULTANTS**  
BRISBANE (07) 3257 3822  
99 BROOKES STREET  
FORTITUDE VALLEY  
4006 QLD  
www.bickertonmasters.com.au

Project  
**KINGSCLIFF PUBLIC SCHOOL**

12 ORIENT STREET, KINGSCLIFF, NSW 2487

**ACOR Consultants (QLD) Pty Ltd**  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
T +61 7 3844 5900

ENGINEERS/MANAGERS/INFRASTRUCTURE PLANNERS/DEVELOPMENT CONSULTANTS

Drawn	Date	Scale	A1	O.A. Check	Date
RT	AUG 2021	1:100		CR	29.06.2021
Designed	Project No.	Draw No.	Issue		
MP	BR200435	KPS-S-4-01.00	4		



ACOR Consultants (Qld) Pty Ltd  
 ABN 18 126 011 087  
 BRISBANE OFFICE  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 Telephone: T +61 7 3844 5900  
 www.acor.com.au

**SITE INSPECTION REPORT**

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 24/10/22		Start Time: 3:30 pm
Inspection by: Richard Smith		Finish Time: 4:00 pm
ACOR Project No: BR200435		Weather: FINE
Inspection Report No: KPS-o 16	No. Pages:	Site Manager Name: Brad Perske
Works Inspected: BUILDING 3 - LIFT WALL REINFORCEMENT		
Drawing Reference: KPS-S-3.01.00		

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

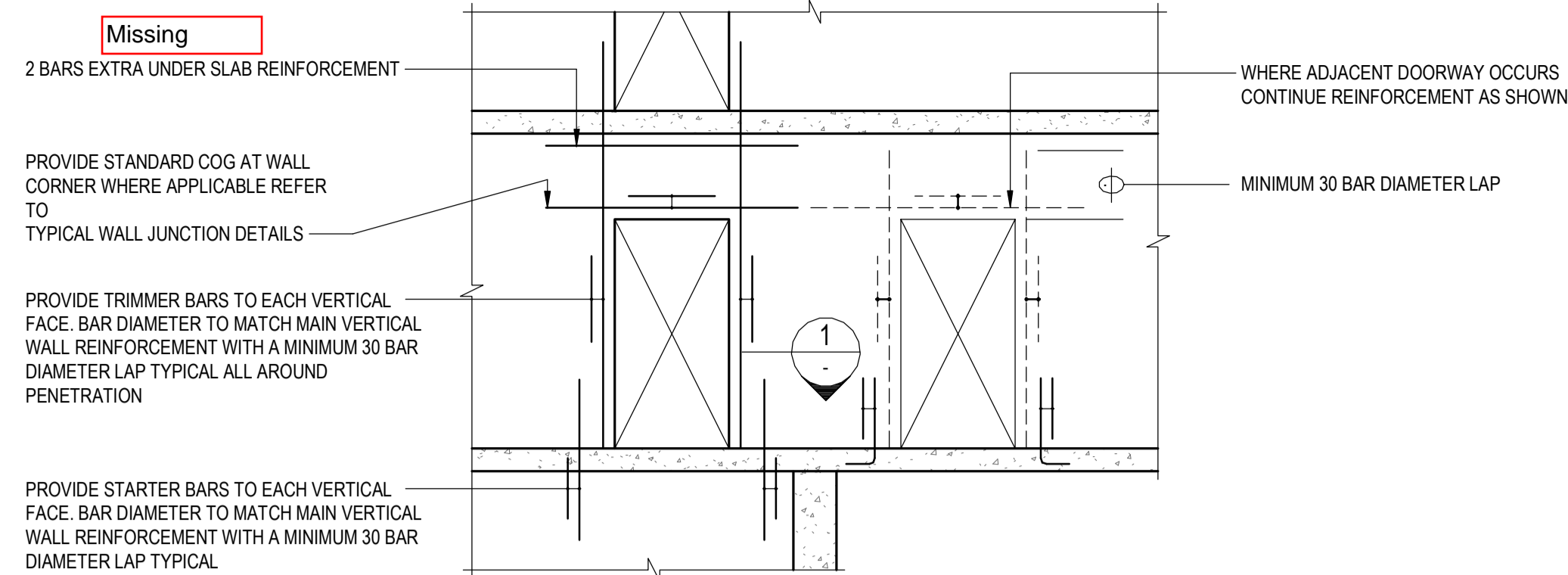
- |     |                                   |
|-----|-----------------------------------|
| 1.  | ADD VERTICAL TRIMMER BARS         |
| 2.  | AT DOOR OPENING AS PER            |
| 3.  | DRAWING - SEE ATTACHED.           |
| 4.  |                                   |
| 5.  | PLACE WALL CORNER BARS CORRECTLY  |
| 6.  | FOR DEVELOPMENT. - REFER ATTACHED |
| 7.  |                                   |
| 8.  | PROVIDE 2 EXTRA BARS UNDER        |
| 9.  | SLAB ABOVE DOOR - REFER           |
| 10. | ATTACHED.                         |
| 11. |                                   |

ENSURE CORRECT COVER

Inspecting Engineer Signature:

WHEN ABOVE COMPLETE  
 ok to pour

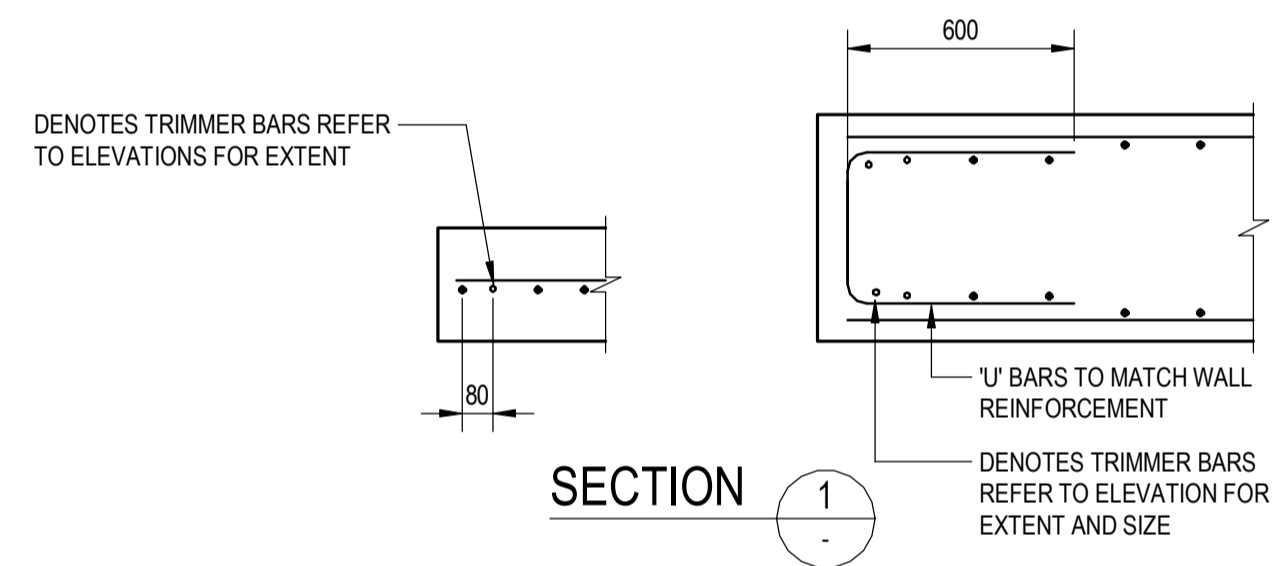
Site Manager Signature:



SECTION 1

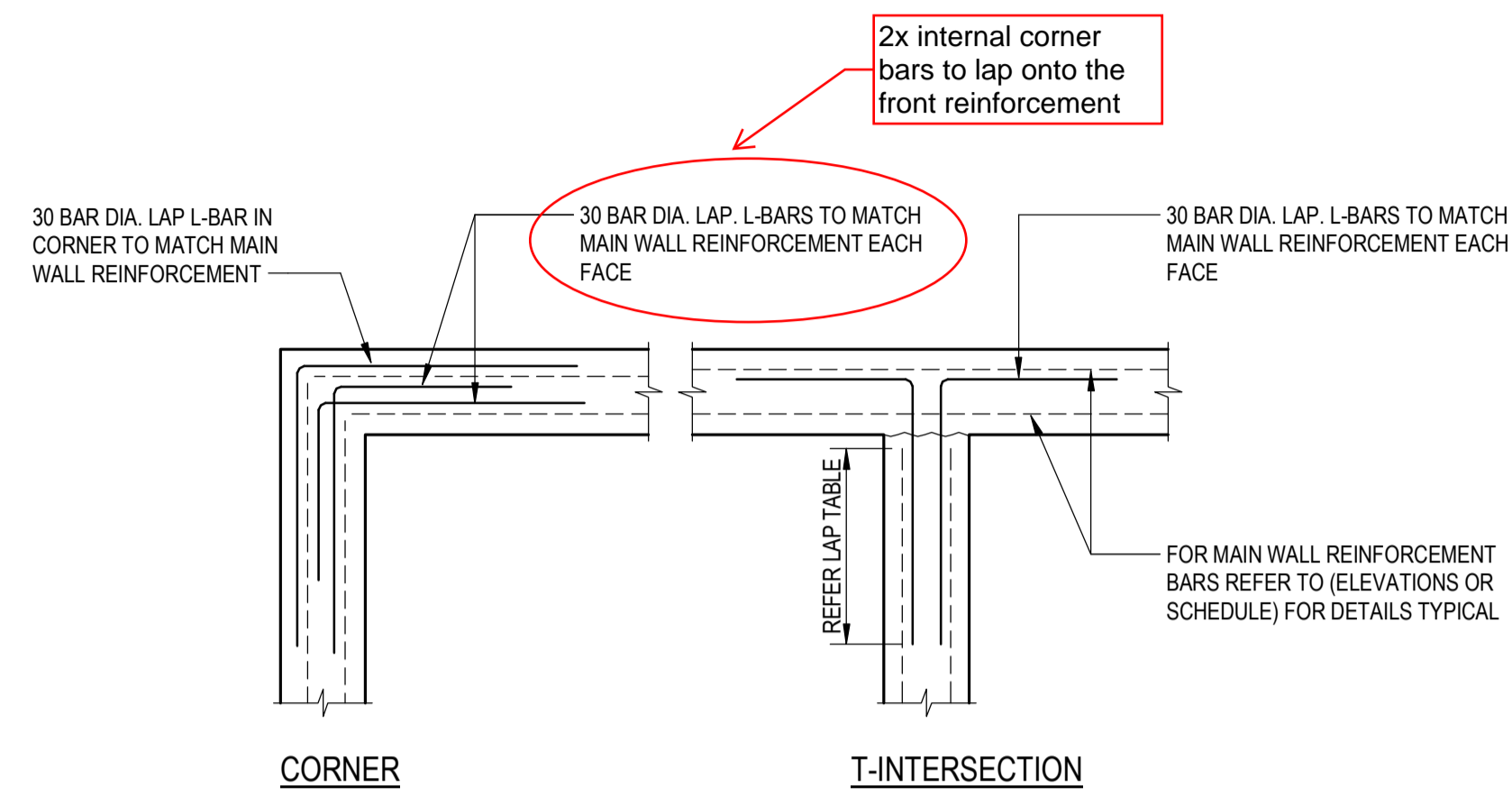
**TYPICAL DOOR OPENING REINFORCEMENT**  
SCALE 1:20

OR CHOOSE ONE AND DELETE OTHER

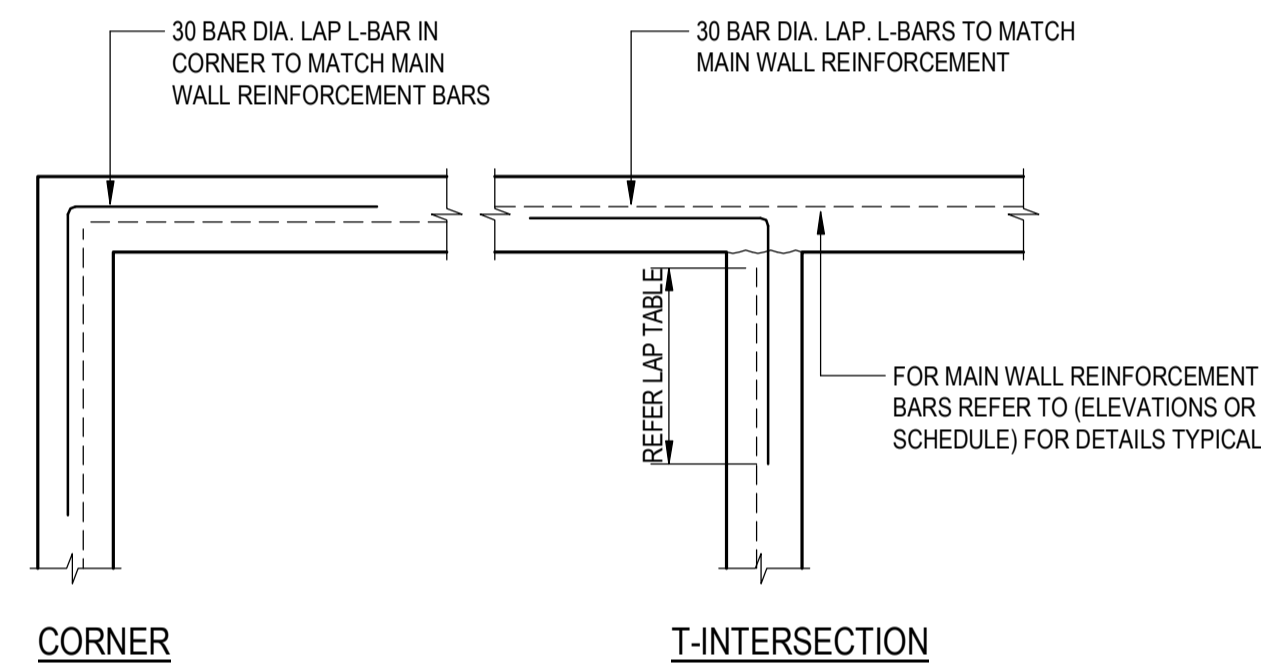


SECTION 1

**TYPICAL DOOR OPENING REINFORCEMENT**  
SCALE 1:20



**PLAN-DOUBLE REINFORCEMENT**  
SCALE 1:20



**PLAN-SINGLE REINFORCEMENT**  
SCALE 1:20

© COPYRIGHT of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd, ACN 126 011 087 ABN 18 126 011 087, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark licensed to ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

North

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by: -

Issue	Description	Date	Drawn	Approved
A	50% DD ISSUE	02/03/2021	RT	JN
B	100% DD ISSUE	23/04/2021	RT	MP
1	CONSTRUCTION ISSUE	15/06/2021	RT	MP



Client

**RICHARD CROOKES CONSTRUCTIONS**



Architect



Project  
**KINGSCLIFF PUBLIC SCHOOL**

12 ORIENT STREET, KINGSCLIFF, NSW 2487

**ACOR Consultants (QLD) Pty Ltd**  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
T +61 7 3844 5900

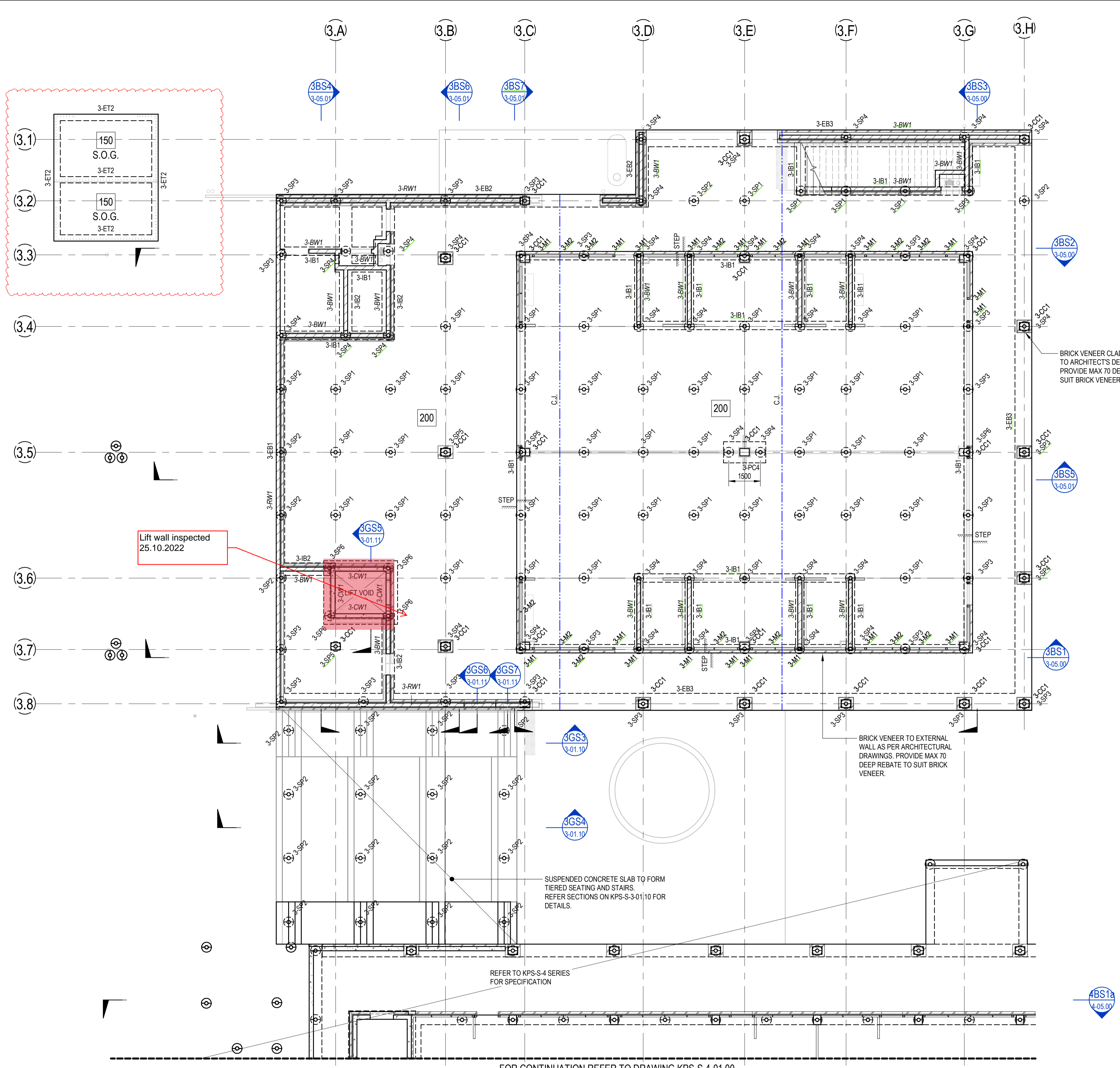
ENGINEERS|MANAGERS|INFRASTRUCTURE PLANNERS|DEVELOPMENT CONSULTANTS

Drawing Title  
**STRUCTURAL TYPICAL DETAILS - CONCRETE WALLS**

Drawn RT	Date JUNE 2021	Scale 1:20	A1	O.A. Check 11/06/2021	Date JH
Designed MP	Project No. BR200435	Dwg No. KPS-S-X-00.24	Issue 1		

FOR CONSTRUCTION

BIM: 20210615 10:03:03 - KpsS-X-00.24 - KPS\_STR.dwg



**BUILDING 3 - GROUND FLOOR NOTES:**

200 THICK SUSPENDED GROUND LEVEL SLAB  
 CONSTRUCT SUSPENDED GROUND LEVEL SLAB ON 0.2mm POLYTHENE DAMP PROOF  
 MEMBRANE OVER 50mm NOMINAL SAND BLINDING OVER UNPREPARED SUBGRADE.  
 SLAB AND BEAMS ARE DESIGNED AS SUSPENDED. FILL MATERIAL IS TO BE FREE OF  
 CONTAMINANTS AND ORGANIC MATTER AND IS TO BE APPROVED BY THE  
 SUPERINTENDENT. NO SAWCUT JOINTS ARE REQUIRED OR PERMITTED IN SUSPENDED  
 SLAB SUPPORTED ON SCREW PILES.

**SUSPENDED GROUND LEVEL SLAB - INDICATIVE CONSTRUCTION SEQUENCE:**  
 1. STRIP SITE TO BULK EXCAVATION LEVEL AS PER CIVIL DRAWINGS.  
 2. EXCAVATE GROUND BEAMS TO REQUIRED DEPTHS.  
 3. INSTALL SCREW PILES TO RATED CAPACITIES AS SCHEDULED.  
 4. CONSTRUCT SUSPENDED FOOTINGS AND SUSPENDED SLAB.

**UNCONTROLLED FILL:**  
 UNCONTROLLED FILL MATERIAL ACTING AS LOST FORMWORK IS REQUIRED TO  
 SUPPORT WET WEIGHT OF CONCRETE. INSTALLATION OF UNDERGROUND SERVICES  
 TO ACCOUNT FOR LEVEL OF COMPACTION OF UNCONTROLLED FILL MATERIAL.  
 ALTERNATIVELY, SUSPENDED BELOW GROUND PIPE WORK FROM UNDERSIDE OF  
 STRUCTURAL SLAB AS REQUIRED.

**FOOTINGS:**  
 STRIP FOOTINGS, EDGE AND INTERNAL BEAMS HAVE BEEN DESIGNED AS SUSPENDED  
 OVER UNPREPARED SUBGRADE SUPPORTED ON SCREW PILES INSTALLED TO RATED  
 CAPACITIES AS SCHEDULED. CONTRACTOR TO MAKE AN APPROPRIATE ALLOWANCE  
 FOR OVER-EXCAVATION TO SUIT DEPTH OF EXCAVATION.

**SCREW PILE 'SP' NOTES:**  
 SCREW PILES TO BE DESIGNED, CERTIFIED AND INSTALLED BY A SPECIALIST  
 SUBCONTRACTOR, IN ACCORDANCE WITH AUSTRALIAN STANDARDS. FOUNDING DEPTH  
 OF SCREW PILES INTO NATURALLY OCCURRING STIFF CLAY MATERIAL AS PER THE  
 GEOTECHNICAL REPORT SHALL BE CONFIRMED ON SITE IN ACCORDANCE WITH PILE  
 TESTING. PILES ARE NOT TO BE FOUND IN FILL MATERIAL. THE ULTIMATE CAPACITY  
 OF PILES SHALL BE CONFIRMED WITH IN-SITU PILE TESTING IN ACCORDANCE WITH AS  
 2159-2009. TEST PILES SHALL BE IDENTIFIED DURING PILING TO CONFIRM LOAD  
 CAPACITY. PILE COMPUTATIONS AND SITE LOGS SPECIFYING PILE SIZE, INSTALLATION  
 TORQUE AND INSTALLATION DEPTH SHALL BE PROVIDED TO THE SUPERINTENDENT. A  
 COPY OF THE PILE TEST RESULTS SHALL ALSO BE PROVIDED TO THE  
 SUPERINTENDENT FOR APPROVAL PRIOR TO PLACING CONCRETE. SCREW PILES TO BE  
 CENTRAL IN FOOTING/BEAM WHERE NOT DIMENSIONED OR ON GRID. CONTRACTOR TO  
 PROVIDE WARRANTY FOR 75 YEAR MINIMUM DESIGN LIFE. ALLOW FOR INCREASED  
 WALL THICKNESS AS NECESSARY. CONTRACTOR TO INCLUDE COST OF PILING IN  
 TENDER.

**BUILDING 3 - EDGE THICKENING SCHEDULE**

MARK	SIZE	COMMENTS
3-ET2	300Dx300W	EDGE THICKENING

REFER TO DRG KPS-S-X-00.21 FOR DETAILS

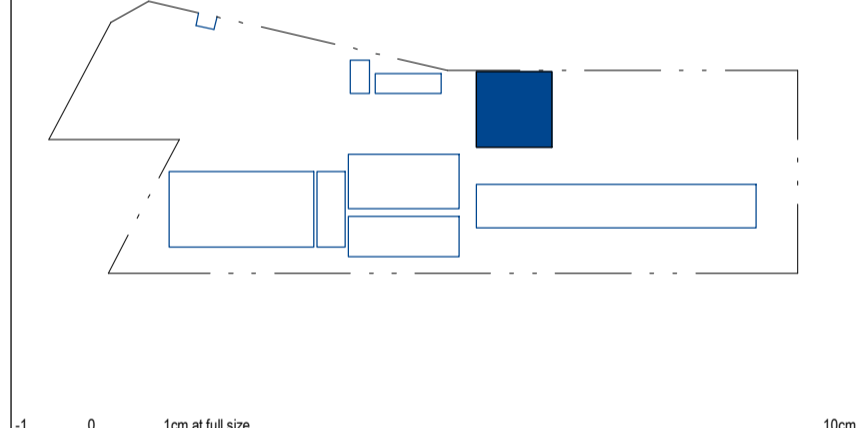
© COPYRIGHT of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd, ACN 126 011 087 ABN 18 126 011 087, all rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark licensed to ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	50% DD ISSUE	02/03/2021	RT	JN
B	70% DD ISSUE	23/04/2021	RT	MP
C	100% DD ISSUE	04/06/2021	RT	MP
1	CONSTRUCTION ISSUE	02/07/2021	RT	RS
2	REVISED CONSTRUCTION	29/07/2021	RT	MP
3	REVISED CONSTRUCTION	06/08/2021	RT	MP
4	REVISED CONSTRUCTION	24/08/2021	RT	MP
5	REVISED CONSTRUCTION	23/11/2021	NF	BR
6	WASTE COLLECTION STRUCTURE ADDED	27/06/2022	PRS	BR

- LEGEND**
- 200** DENOTES 200 THICK SUSPENDED SLAB.  
2 LAYERS SL92 MESH BOTTOM. EXTEND MESH MIN 150mm INTO EDGE BEAM.  
SL102 MESH TOP. DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL N12-300 x 1500 LONG EACH WAY TOP OVER INTERNAL SCREW PILE.
  - 150** DENOTES 150 THK CONCRETE SLAB ON GROUND ON 0.2mm POLYTHENE SHEETING AND 50mm BEDDING SAND. SL92 MESH LAID TOP.  
100KPa ALLOWABLE BEARING CAPACITY TO BE CONFIRMED BY A GEOTECH ENGINEER.
  - S.O.G.**
  - CJ** DENOTES CONSTRUCTION JOINT. REFER TO KPS-S-X-00.21 FOR DETAIL.
  - DENOTES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR RLs.
  - DENOTES 3N12 TRIMMER BARS TIED TO UNDERSIDE OF MESH.

- NOTES:**
- REFER TO DRAWINGS KPS-S-X-0010, KPS-S-X-0011 AND KPS-S-X-0012 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWING KPS-S-X-00.27 FOR TYPICAL OPERABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT. SECONDARY STEEL NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO DRAWINGS KPS-S-3-04.00 FOR ELEVATIONS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.O.
  - UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 50mm MAXIMUM.
  - NON STRUCTURAL RAMPS AND HOBBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE LAID OVER 200µ polyTHENE MEMBRANE OVER 50mm BEDDING SAND.



Client

**RICHARD CROOKES CONSTRUCTIONS**

NSW Education School Infrastructure

Architect

**BIM**

BRISBANE (07) 3257 3622  
 99 BROOKES STREET  
 FORTITUDE VALLEY  
 4006, QLD  
 www.bickertonmasters.com.au

Project

**KINGSCLIFF PUBLIC SCHOOL**

12 ORIENT STREET, KINGSCLIFF, NSW 2487

**ACOR Consultants (QLD) Pty Ltd**

Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 T +61 7 3844 5900

ENGINEERS | MANAGERS | INFRASTRUCTURE PLANNERS | DEVELOPMENT CONSULTANTS

Drawing Title: **STRUCTURAL BUILDING 3 - GROUND FLOOR PLAN**

Drawn	Date	Scale	A1	O.A. Check	Date
RT	AUG 2021	1:100		CR	29.06.2021
Designed	Project No.	Dwg No.	Issue		
MP	BR200435	KPS-S-3-01.00	6		

FOR CONSTRUCTION

**BUILDING 3 - GROUND FLOOR PLAN**  
 SCALE: 1:100

FOR CONTINUATION REFER TO DRAWING KPS-S-4-01.00



ACOR Consultants (Qld) Pty Ltd  
ABN 18 126 011 087  
BRISBANE OFFICE  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
Telephone: T +61 7 3844 5900  
www.acor.com.au

### SITE INSPECTION REPORT

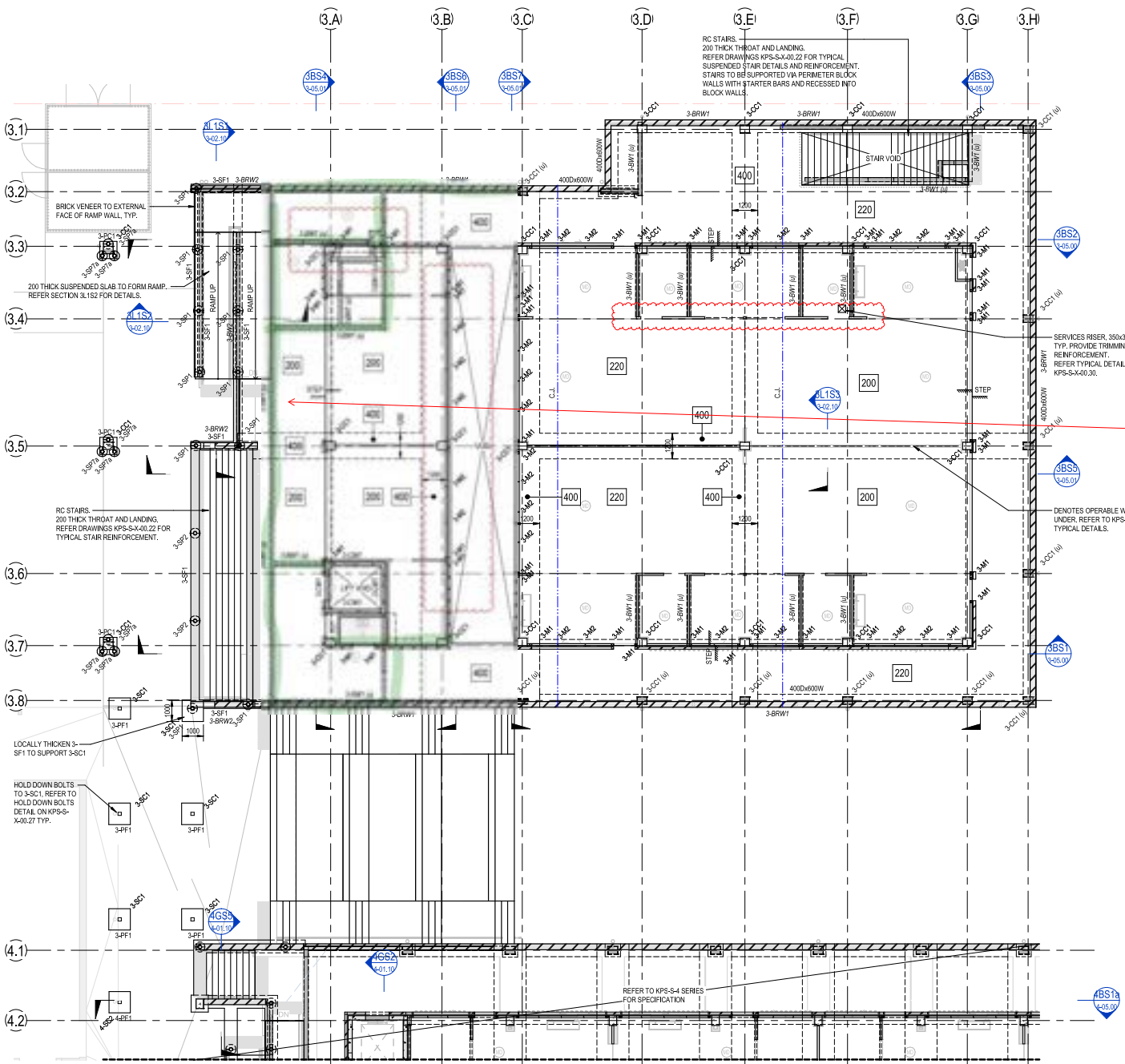
Project: Kingscliff Public School		Contractor: RCC	
Date of Inspection: 25/10/22		Start Time: 12:00 PM	
Inspection by: Richard Smith		Finish Time: 12:30 PM	
ACOR Project No: BR200435		Weather: FINE	
Inspection Report No: KPS-017	No. Pages:	Site Manager Name: Brad Perske	
Works Inspected: BLOCK WALL REINFORCEMENT (2ND LIFT)			
Drawing Reference: KPS-S-3-02-00			

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

1.	* ADD REMAINING VERTICAL BARS
2.	
3.	
4.	OK to Pour
5.	
6.	
7.	
8.	
9.	
10.	
11.	

Inspecting Engineer Signature: 

Site Manager Signature: \_\_\_\_\_



BUILDING 3 - STEEL COLUMN SCHEDULE		
MARK	SIZE	COMMENTS
MILLION		
3-M1	88x88x6.0SHS	
3-M2	75PFC	
STEEL COLUMN		
3-SC1	190x150x6.0SHS	

BUILDING 3 - LEVEL 1 FRAMING SCHEDULE		
MARK	SIZE	COMMENTS
CANOPY BRACING		
3-CBR1	Ø16mm BAR	
CANOPY PURLIN		
3-CP1	C15019 AT 900 CTS	SIMPLY SUPPORTED, 1 ROW OF BRIDGING, PROVIDE PURLINS AT 800 CTS FOR FIRST 3 ROWS FROM EDGE.
CANOPY RAFTER		
3-CR1	200PFC	
CANOPY STRUT		
3-CS1	200PFC	

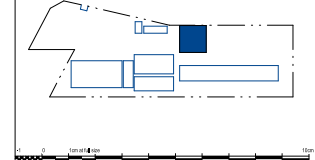
© COPYRIGHT of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd. ACN 126 011 087 ABN 19 126 011 087. All rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark licensed to ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	SP4 DIB ISSUE	02/03/2021	RT	JN
B	2020 ISSUE	23/06/2021	RT	MP
C	10/2020 ISSUE	04/06/2021	RT	MP
1	CONSTRUCTION ISSUE	02/07/2021	RT	RS
2	REVISED CONSTRUCTION	24/08/2021	RT	MP
3	REVISED CONSTRUCTION	06/08/2021	RT	MP
4	REVISED CONSTRUCTION	24/08/2021	RT	MP
5	REVISED CONSTRUCTION	23/11/2021	MP	BP

- LEGEND**
- 200 200 THICK SUSPENDED SLAB. REFER REINFORCEMENT PLANS.
  - 220 220 THICK SUSPENDED SLAB. REFER REINFORCEMENT PLANS.
  - 400 400 THICK SUSPENDED BEAM. REFER REINFORCEMENT PLANS.
  - STEP DENOTES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR RL's.
  - CJ DENOTES CONSTRUCTION JOINT. REFER TO KPS-S-X-0029 FOR DETAIL.

- NOTES:**
- REFER TO DRAWINGS KPS-S-X-0010, KPS-S-X-0011 AND KPS-S-X-0012 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWINGS KPS-S-X-00.27 FOR TYPICAL OPERABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT. SECONDARY STEEL NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.O.
  - UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 50mm MAXIMUM.
  - NON STRUCTURAL RAMPS AND HOBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE LAID OVER 200µ POLYTHENE MEMBRANE OVER 50mm BEDDING SAND.
  - REFER TO KPS-S-3-01.01 FOR SCREW PILE SCHEDULE AND PILE CAP SCHEDULE.
- NOTE:** REFER TO KPS-S-3-01.01 FOR WALL AND CONCRETE COLUMN SCHEDULES.



Client

Richard Crookes CONSTRUCTIONS

Education Specialist Infrastructure

Architect

B M

Project  
**KINGSCLIFF PUBLIC SCHOOL**  
 12 ORIENT STREET, KINGSCLIFF, NSW 2487

ACOR Consultants (QLD) Pty Ltd  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 T +61 7 3844 5900

ENGINEERS|MANAGERS|INFRASTRUCTURE PLANNERS|DEVELOPMENT CONSULTANTS

STRUCTURAL DRAWINGS HAVE BEEN DESIGNED USING THE ARCHITECTURAL DRAWINGS ISSUED ON THE 17/06/2021

FOR CONSTRUCTION

Drawn	Date	Scale	A1	QA Check	Date
RT	AUG 2021	1:100	CR	CR	29.06.2021
Design	Project No.	Draw No.	Issue		
MP	BR200435	KPS-S-3-02.00	5		

**BUILDING 3 - LEVEL 1 PLAN**  
 SCALE: 1:100

FOR CONTINUATION REFER TO DRAWING KPS-S-4-02.00



ACOR Consultants (Qld) Pty Ltd  
 ABN 18 126 011 087  
 BRISBANE OFFICE  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 Telephone: T +61 7 3844 5900  
 www.acor.com.au

**SITE INSPECTION REPORT**

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 15/11/22		Start Time: 10:30 am
Inspection by: Richard Smith		Finish Time: 12:00 PM
ACOR Project No: BR200435		Weather: FINE
Inspection Report No: KPS-020	No. Pages:	Site Manager Name: Brad Perske
Works Inspected: BLD 3, SUSPENDED SLAB REINFORCEMENT		
Drawing Reference: KPS-S-3-02.001.01/02		

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

EXTENT REFER MARK-UP

1.	
2.	* ADJUST EXTERNAL BEAM
3.	COVER TO 45mm ALL ROUND
4.	
5.	PHOTOS SENT - AND BUILDER
6.	CONFIRMS ENTIRE EXTERNAL
7.	SLAB & BEAM HAVE 45mm
8.	COVER.
9.	
10.	OK TO POUR
11.	

Inspecting Engineer Signature:

Site Manager Signature:



REFER DRAWINGS TO 3-05.01 FOR TYPICAL  
SUSPENDED SLAB DETAILS AND REINFORCEMENT.  
STAIRS TO BE SUPPORTED VIA PERIMETER BLOCK  
WALLS WITH STARTER BARS AND RECESSED INTO  
BLOCK WALLS.

3BS4  
3-05.01

3BS6  
3-05.01

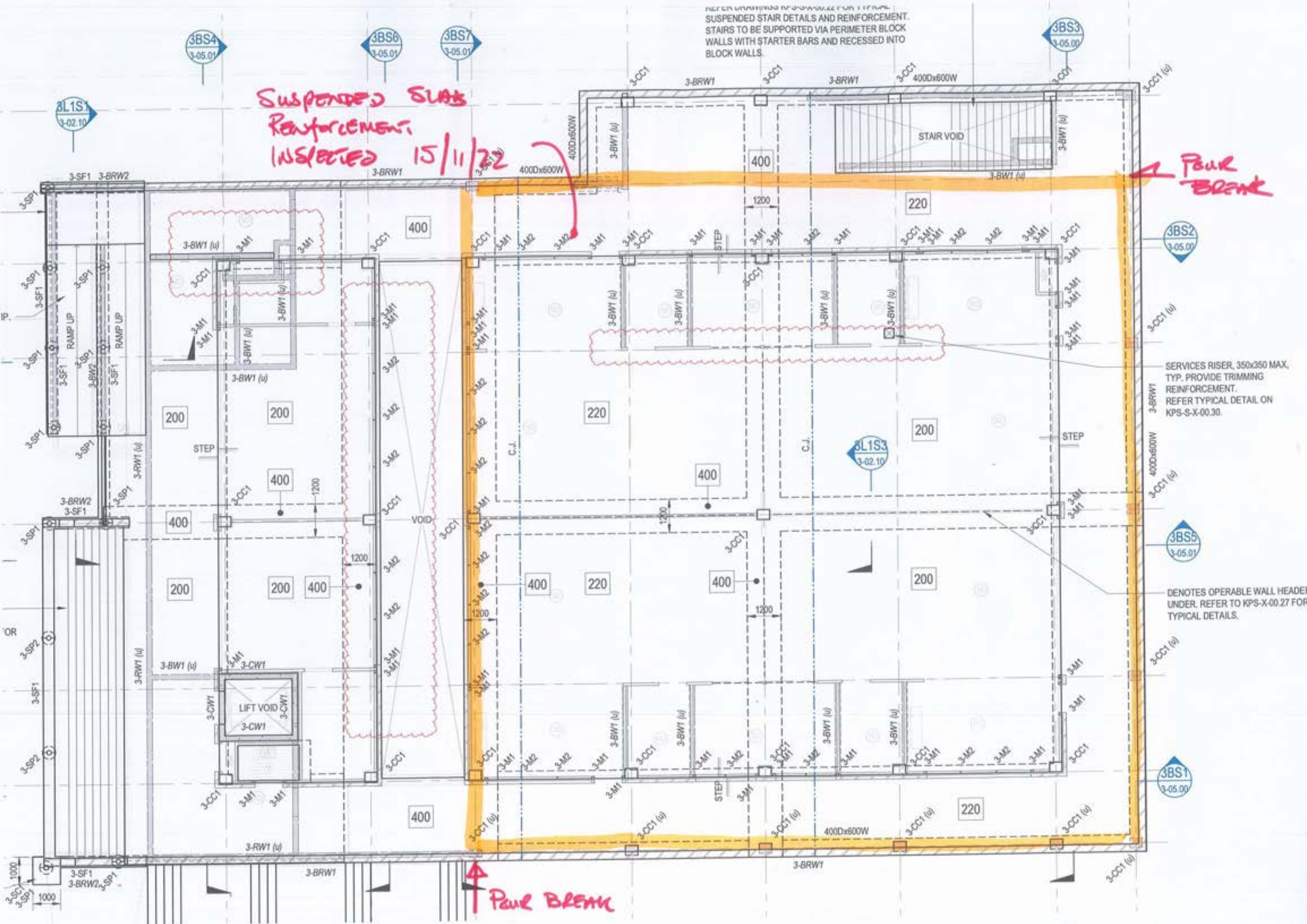
3BS7  
3-05.01

3BS3  
3-05.01

3L1S  
3-02.10

SUSPENDED SLABS  
REINFORCEMENT  
INSPECTED 15/11/22

2 FOUR  
BRANK



SERVICES RISER, 350x350 MAX,  
TYP. PROVIDE TRIMMING  
REINFORCEMENT.  
REFER TYPICAL DETAIL ON  
KPS-S-X-00.30.

DENOTES OPERABLE WALL HEADER  
UNDER. REFER TO KPS-X-00.27 FOR  
TYPICAL DETAILS.

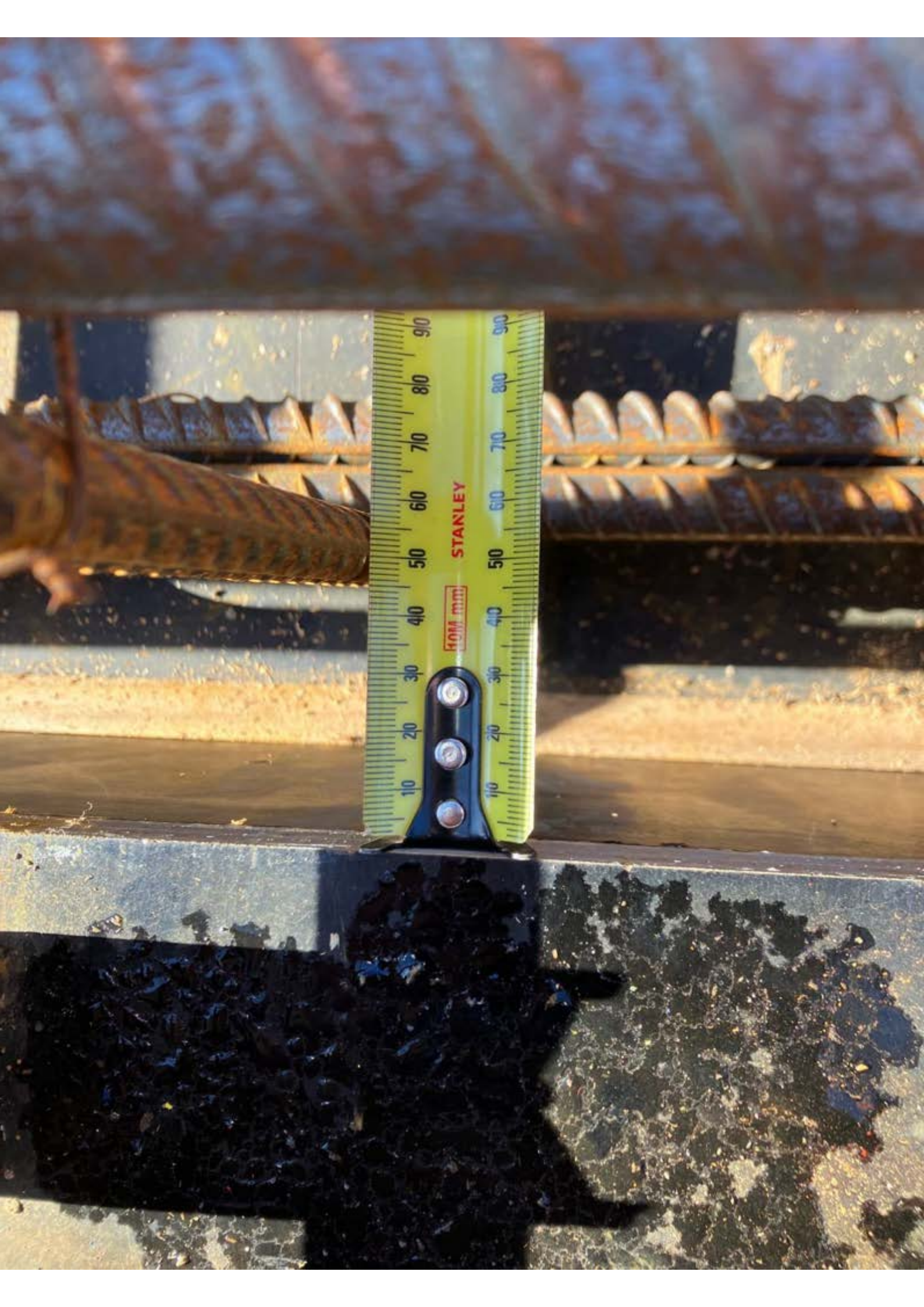
POUR BREAK













ACOR Consultants (Qld) Pty Ltd  
 ABN 18 126 011 087  
 BRISBANE OFFICE  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 Telephone: T +61 7 3844 5900  
 www.acor.com.au

SITE INSPECTION REPORT

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 25/11/2022		Start Time: 8:30 am
Inspection by: Richard Smith		Finish Time: 9:15 am
ACOR Project No: BR200435		Weather: FINE
Inspection Report No: KPS-022	No. Pages:	Site Manager Name: Brad Perske
Works Inspected: BID 4 PART FOOTINGS/BID 3/4 COLUMNS		
Drawing Reference: KPS-S-302-00 / KPS-S-4-01-00		

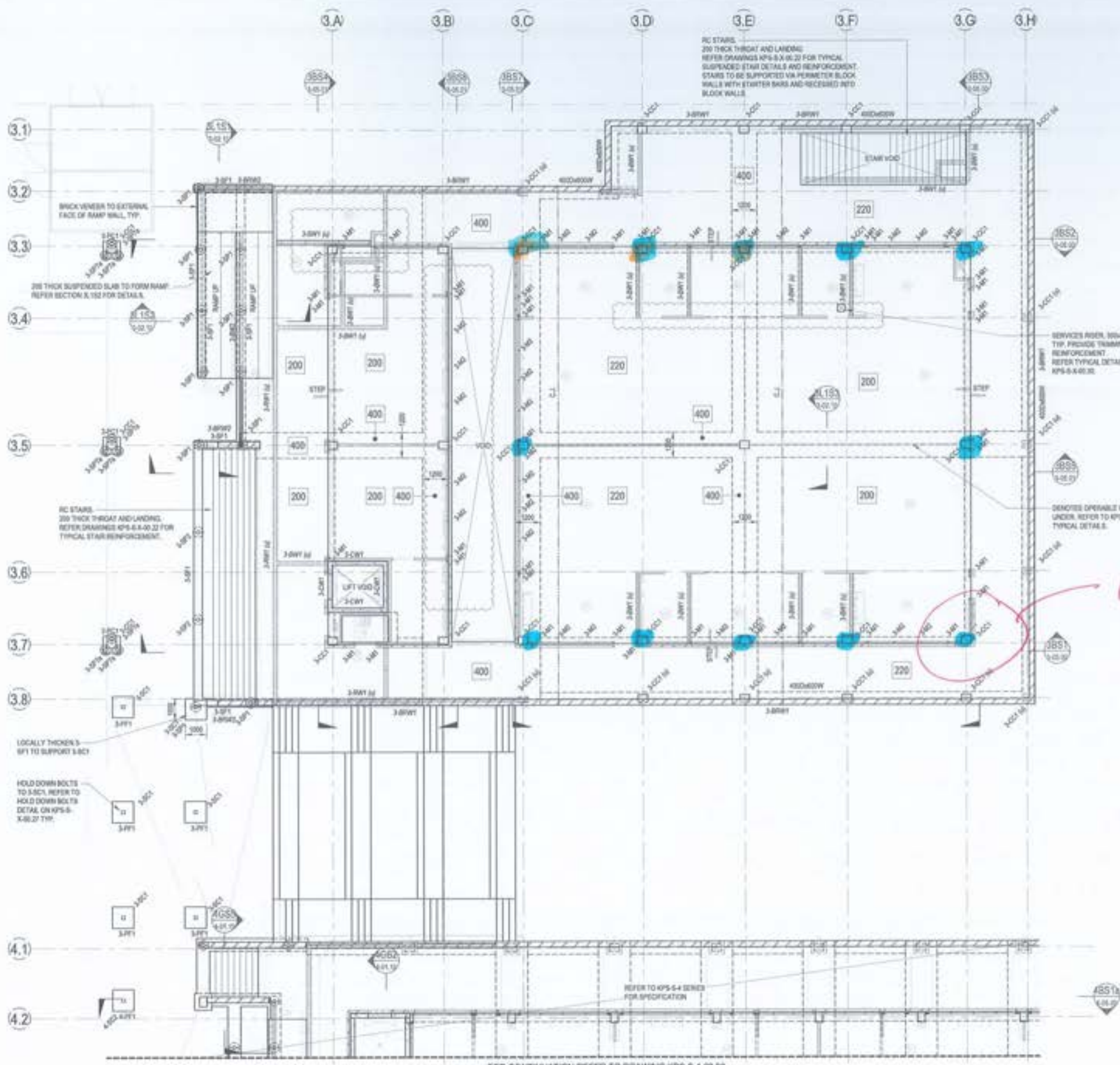
Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

EXTENSIVE REFER ATTACHED MARK-UP

1.	
2.	* ENSURE CORRECT CORNER BARS
3.	AS PER SCHEDULE
4.	* ENSURE CORRECT LAPPED BARS
5.	IN NUMBER AND LENGTH AT
6.	POUR BREAK
7.	* ENSURE CORRECT COVER -
8.	SOME TRENCHES HAVE COLLAPSED.
9.	* ENSURE CORRECT COLUMN COVER
10.	
11.	WHEN ABOVE COMPLETE OK TO POUR

Inspecting Engineer Signature:

Site Manager Signature:



RC STAIRS  
200 THICK THROAT AND LANDINGS  
REFER DRAWINGS KPS-S-3-02.22 FOR TYPICAL  
SUSPENDED STAIR DETAILS AND REINFORCEMENT.  
STAIRS TO BE SUPPORTED VIA PERIMETER BLOCK  
WALLS WITH STARTER SKINS AND RECESSED RFD  
BLOCK WALLS

### BUILDING 3 - STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENTS
3-SC1	150X150X20	

### BUILDING 3 - LEVEL 1 FRAMING SCHEDULE

MARK	SIZE	COMMENTS
CONCRETE BRACING	300mm S&B	
CONCRETE PURLIN	200X200	
CONCRETE STRUT	200X200	

ACOR CONSULTANTS (QLD) PTY LTD  
1201 ST. LOUIS ST. SOUTH BRISBANE QLD 4101  
TEL: 07 3844 5900  
WWW.ACORCONSULTANTS.COM.AU

This drawing has been subject of a review and is approved by the following:

No.	Description	Date	By	Appr.
1	ISSUED FOR PERMITS	20/08/2021	SA	SA
2	ISSUED FOR CONSTRUCTION	20/08/2021	SA	SA
3	ISSUED FOR CONSTRUCTION	20/08/2021	SA	SA
4	ISSUED FOR CONSTRUCTION	20/08/2021	SA	SA

- #### LEGEND
- 200 200 THICK SUSPENDED SLAB. REFER REINFORCEMENT PLANS.
  - 220 220 THICK SUSPENDED SLAB. REFER REINFORCEMENT PLANS.
  - 400 400 THICK SUSPENDED BEAM. REFER REINFORCEMENT PLANS.
  - DENSES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR R.L.S.
  - CJ DENSES CONSTRUCTION JOINT. REFER TO KPS-S-3-02.10 FOR DETAIL.

- #### NOTES:
- REFER TO DRAWINGS KPS-S-3-01.01, KPS-S-3-02.01 AND KPS-S-3-02.02 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWING KPS-S-3-02.07 FOR TYPICAL OPERABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT, SECONDARY STEEL, NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOINGS & WATERPROOFING ARE TO ARCHITECTS DETAILS UNLESS NOTED OTHERWISE.
  - UNLESS NOTED OTHERWISE ALL WET AREA SETDOINGS ARE TO BE 50mm BOUND.
  - NON STRUCTURAL SWAPS AND HOLES ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE LAD OVER 200g POLYETHYLENE MEMBRANE OVER 50mm BEDDING SAND.
  - REFER TO KPS-S-3-01.01 FOR SCHEDULES AND PER CAP SCHEDULES.
  - NOTE: REFER TO KPS-S-3-01.01 FOR WALL AND CONCRETE COLUMN SCHEDULES.



**RICHARD CROOKES CONSTRUCTIONS**  
NSW Education School Infrastructure

**BIM**  
BRISBANE  
1201 ST. LOUIS ST.  
SOUTH BRISBANE QLD 4101  
TEL: 07 3844 5900

**KINGSCLIFF PUBLIC SCHOOL**  
12 ORIENT STREET, KINGSCLIFF, NSW 2487

**ACOR CONSULTANTS (QLD) PTY LTD**  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
T +61 7 3844 5900

CONSULTANTS

ENGINEERS ARCHITECTS INFRASTRUCTURE PLANNERS DEVELOPMENT CONSULTANTS

Drawing No: **STRUCTURAL BUILDING 3 - LEVEL 1 PLAN**

Drawn	Date	Scale	#1	S.A. Check	Date
RT	AUG 2021	1:100		CR	20.08.2021
Engineer	Project No.	Drawing No.	Sheet		
MP	BR200435	KPS-S-3-02.00	5		

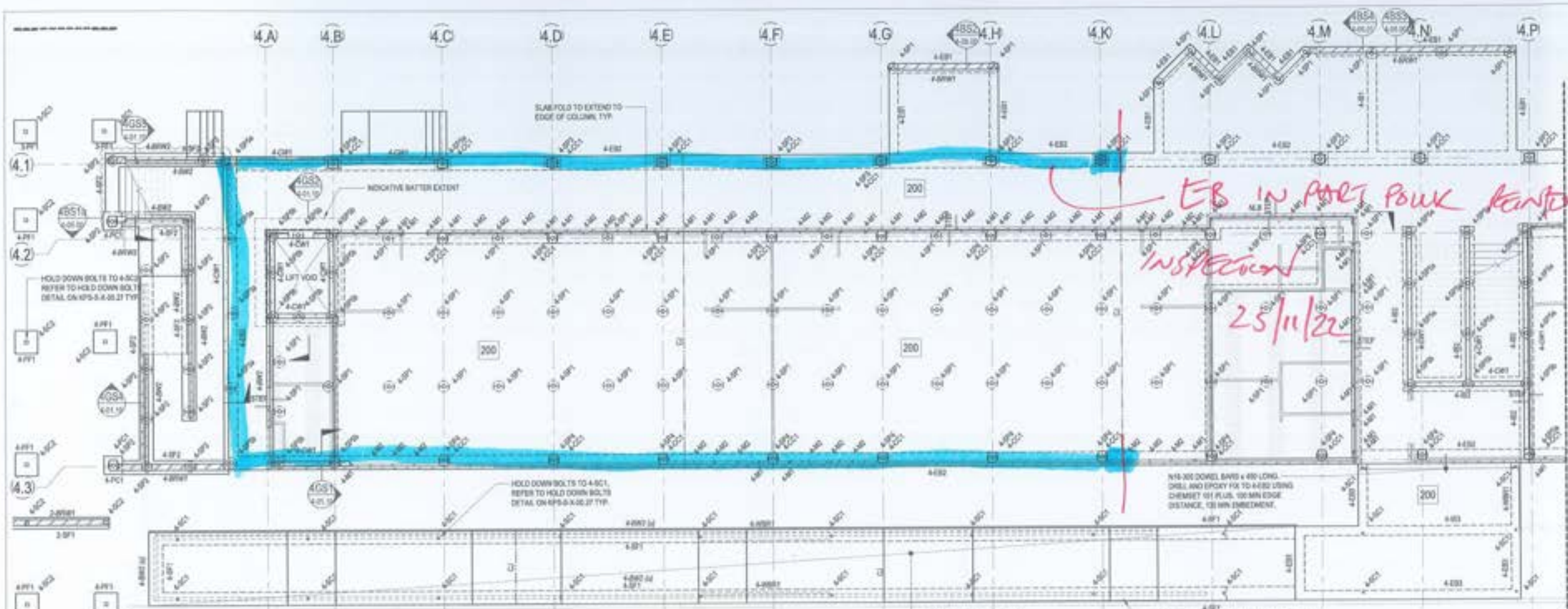
**BUILDING 3 - LEVEL 1 PLAN**  
SCALE: 1:100

FOR CONTINUATION REFER TO DRAWING KPS-S-4-02.00

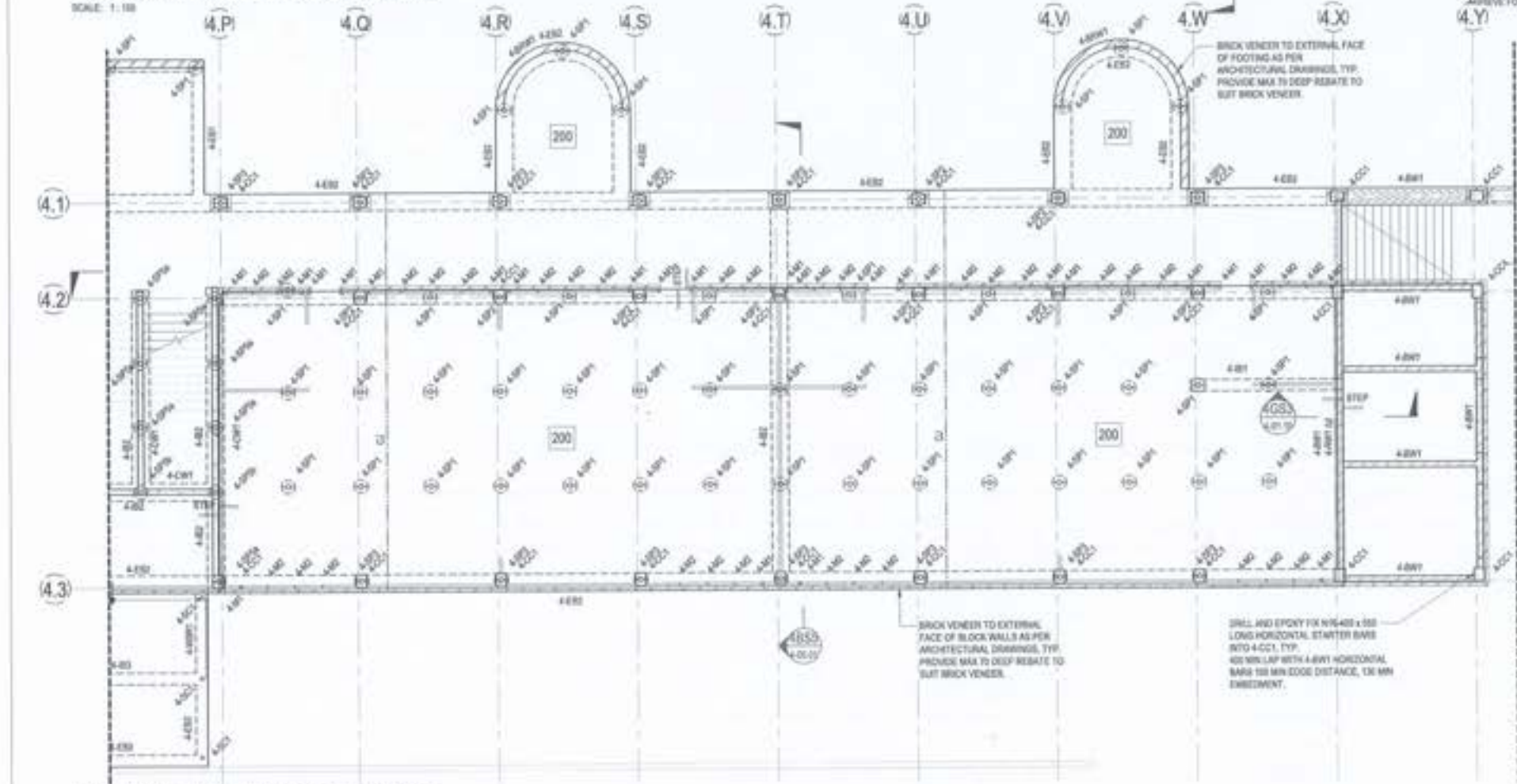
STRUCTURAL DRAWINGS HAVE BEEN DESIGNED USING THE ARCHITECTURAL DRAWINGS ISSUED ON THE 11/08/2021

**FOR CONSTRUCTION**

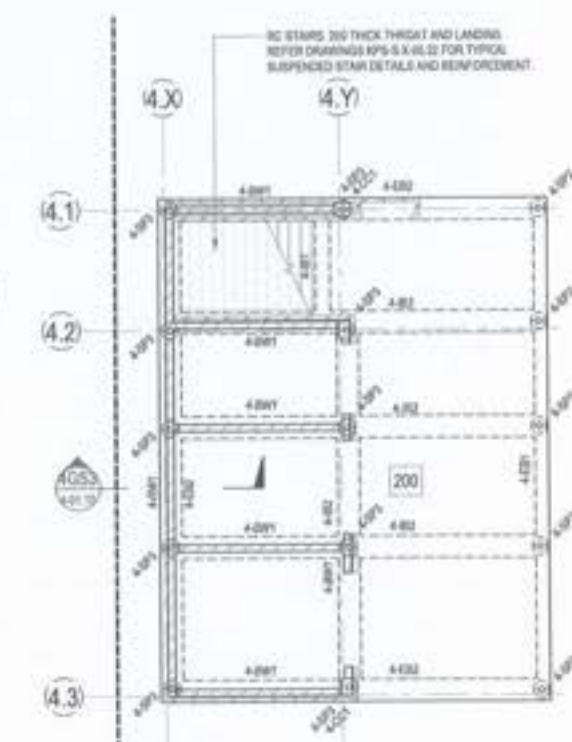




**BUILDING 4 - GROUND FLOOR PLAN PART A**  
SCALE: 1:100



**BUILDING 4 - GROUND FLOOR PLAN PART B**  
SCALE: 1:100



**BUILDING 4 - LOWER GROUND FLOOR**  
SCALE: 1:100

© COPYRIGHT of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd. All rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trading name of ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

This drawing has been checked and approved by:

No.	Description	Date	Checked	Approved
1	ISSUE FOR PERMIT	20/08/2021	CR	CR
2	REVISED CONSTRUCTION	20/08/2021	CR	CR
3	REVISED CONSTRUCTION	20/08/2021	CR	CR
4	REVISED CONSTRUCTION	20/08/2021	CR	CR
5	REVISED CONSTRUCTION	20/08/2021	CR	CR
6	REVISED CONSTRUCTION	20/08/2021	CR	CR
7	REVISED CONSTRUCTION	20/08/2021	CR	CR
8	REVISED CONSTRUCTION	20/08/2021	CR	CR
9	REVISED CONSTRUCTION	20/08/2021	CR	CR
10	REVISED CONSTRUCTION	20/08/2021	CR	CR
11	REVISED CONSTRUCTION	20/08/2021	CR	CR
12	REVISED CONSTRUCTION	20/08/2021	CR	CR
13	REVISED CONSTRUCTION	20/08/2021	CR	CR
14	REVISED CONSTRUCTION	20/08/2021	CR	CR
15	REVISED CONSTRUCTION	20/08/2021	CR	CR
16	REVISED CONSTRUCTION	20/08/2021	CR	CR
17	REVISED CONSTRUCTION	20/08/2021	CR	CR
18	REVISED CONSTRUCTION	20/08/2021	CR	CR
19	REVISED CONSTRUCTION	20/08/2021	CR	CR
20	REVISED CONSTRUCTION	20/08/2021	CR	CR
21	REVISED CONSTRUCTION	20/08/2021	CR	CR
22	REVISED CONSTRUCTION	20/08/2021	CR	CR
23	REVISED CONSTRUCTION	20/08/2021	CR	CR
24	REVISED CONSTRUCTION	20/08/2021	CR	CR
25	REVISED CONSTRUCTION	20/08/2021	CR	CR
26	REVISED CONSTRUCTION	20/08/2021	CR	CR
27	REVISED CONSTRUCTION	20/08/2021	CR	CR
28	REVISED CONSTRUCTION	20/08/2021	CR	CR
29	REVISED CONSTRUCTION	20/08/2021	CR	CR
30	REVISED CONSTRUCTION	20/08/2021	CR	CR
31	REVISED CONSTRUCTION	20/08/2021	CR	CR
32	REVISED CONSTRUCTION	20/08/2021	CR	CR
33	REVISED CONSTRUCTION	20/08/2021	CR	CR
34	REVISED CONSTRUCTION	20/08/2021	CR	CR
35	REVISED CONSTRUCTION	20/08/2021	CR	CR
36	REVISED CONSTRUCTION	20/08/2021	CR	CR
37	REVISED CONSTRUCTION	20/08/2021	CR	CR
38	REVISED CONSTRUCTION	20/08/2021	CR	CR
39	REVISED CONSTRUCTION	20/08/2021	CR	CR
40	REVISED CONSTRUCTION	20/08/2021	CR	CR
41	REVISED CONSTRUCTION	20/08/2021	CR	CR
42	REVISED CONSTRUCTION	20/08/2021	CR	CR
43	REVISED CONSTRUCTION	20/08/2021	CR	CR
44	REVISED CONSTRUCTION	20/08/2021	CR	CR
45	REVISED CONSTRUCTION	20/08/2021	CR	CR
46	REVISED CONSTRUCTION	20/08/2021	CR	CR
47	REVISED CONSTRUCTION	20/08/2021	CR	CR
48	REVISED CONSTRUCTION	20/08/2021	CR	CR
49	REVISED CONSTRUCTION	20/08/2021	CR	CR
50	REVISED CONSTRUCTION	20/08/2021	CR	CR
51	REVISED CONSTRUCTION	20/08/2021	CR	CR
52	REVISED CONSTRUCTION	20/08/2021	CR	CR
53	REVISED CONSTRUCTION	20/08/2021	CR	CR
54	REVISED CONSTRUCTION	20/08/2021	CR	CR
55	REVISED CONSTRUCTION	20/08/2021	CR	CR
56	REVISED CONSTRUCTION	20/08/2021	CR	CR
57	REVISED CONSTRUCTION	20/08/2021	CR	CR
58	REVISED CONSTRUCTION	20/08/2021	CR	CR
59	REVISED CONSTRUCTION	20/08/2021	CR	CR
60	REVISED CONSTRUCTION	20/08/2021	CR	CR
61	REVISED CONSTRUCTION	20/08/2021	CR	CR
62	REVISED CONSTRUCTION	20/08/2021	CR	CR
63	REVISED CONSTRUCTION	20/08/2021	CR	CR
64	REVISED CONSTRUCTION	20/08/2021	CR	CR
65	REVISED CONSTRUCTION	20/08/2021	CR	CR
66	REVISED CONSTRUCTION	20/08/2021	CR	CR
67	REVISED CONSTRUCTION	20/08/2021	CR	CR
68	REVISED CONSTRUCTION	20/08/2021	CR	CR
69	REVISED CONSTRUCTION	20/08/2021	CR	CR
70	REVISED CONSTRUCTION	20/08/2021	CR	CR
71	REVISED CONSTRUCTION	20/08/2021	CR	CR
72	REVISED CONSTRUCTION	20/08/2021	CR	CR
73	REVISED CONSTRUCTION	20/08/2021	CR	CR
74	REVISED CONSTRUCTION	20/08/2021	CR	CR
75	REVISED CONSTRUCTION	20/08/2021	CR	CR
76	REVISED CONSTRUCTION	20/08/2021	CR	CR
77	REVISED CONSTRUCTION	20/08/2021	CR	CR
78	REVISED CONSTRUCTION	20/08/2021	CR	CR
79	REVISED CONSTRUCTION	20/08/2021	CR	CR
80	REVISED CONSTRUCTION	20/08/2021	CR	CR
81	REVISED CONSTRUCTION	20/08/2021	CR	CR
82	REVISED CONSTRUCTION	20/08/2021	CR	CR
83	REVISED CONSTRUCTION	20/08/2021	CR	CR
84	REVISED CONSTRUCTION	20/08/2021	CR	CR
85	REVISED CONSTRUCTION	20/08/2021	CR	CR
86	REVISED CONSTRUCTION	20/08/2021	CR	CR
87	REVISED CONSTRUCTION	20/08/2021	CR	CR
88	REVISED CONSTRUCTION	20/08/2021	CR	CR
89	REVISED CONSTRUCTION	20/08/2021	CR	CR
90	REVISED CONSTRUCTION	20/08/2021	CR	CR
91	REVISED CONSTRUCTION	20/08/2021	CR	CR
92	REVISED CONSTRUCTION	20/08/2021	CR	CR
93	REVISED CONSTRUCTION	20/08/2021	CR	CR
94	REVISED CONSTRUCTION	20/08/2021	CR	CR
95	REVISED CONSTRUCTION	20/08/2021	CR	CR
96	REVISED CONSTRUCTION	20/08/2021	CR	CR
97	REVISED CONSTRUCTION	20/08/2021	CR	CR
98	REVISED CONSTRUCTION	20/08/2021	CR	CR
99	REVISED CONSTRUCTION	20/08/2021	CR	CR
100	REVISED CONSTRUCTION	20/08/2021	CR	CR

**LEGEND**

- 200 DENOTES 200 THICK SUSPENDED SLAB. 2 LAYERS SLAB WESH BOTTOM EXTEND WESH INTO EDGE BEAM. SLAB WESH TOP. DO NOT LAP TOP WESH OVER SREW FILE. ADDITIONAL 150-200 x 150 LONG EACH WAY TOP OVER INTERNAL SREW FILE.
- 200 DENOTES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR RL'S.
- CJ DENOTES CONSTRUCTION JOINT. REFER DETAIL ON KPS-S-4-01.20.
- WET AREA DENOTES WET AREA SETDOWN. REFER TO ARCHITECTS DRAWINGS FOR RL'S.

**NOTES**

- REFER TO DRAWINGS KPS-S-4-001, KPS-S-4-001.1 AND KPS-S-4-001.2 FOR ALL STRUCTURAL GENERAL NOTES.
- REFER DRAWING KPS-S-4-001.27 FOR TYPICAL OPENABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT. SECONDARY STEEL NOT SHOWN ON STRUCTURAL PLANS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
- ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECT'S DETAILS UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 50mm MIN.
- NON STRUCTURAL RAMPS AND HOLS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
- ALL SLABS ON GROUND TO BE LAID OVER 200mm POLYETHYLENE MEMBRANE OVER 50mm BEDDING SAND.
- REFER TO KPS-S-4-01.01 FOR ADDITIONAL GROUND FLOOR NOTES.

NOTE: REFER TO KPS-S-4-01.01 FOR GROUND FLOOR SCHEDULES



**RICHARD CROOKES CONSTRUCTIONS**

NSW Education School Infrastructure

**BIM**

**KINGSCLIFF PUBLIC SCHOOL**

12 ORIENT STREET, KINGSCLIFF, NSW 2487

ACOR Consultants (QLD) Pty Ltd

Level 4, 43 Peel Street, South Brisbane QLD 4101, T +61 7 3844 0900

CONSULTANTS

Structural Building 4 - Ground Floor Plan

Date	By	Scale	Sheet	Total
AUG 2021	CR	1:100	CR	28.08.2021

Project No: BR200435, Drawing No: KPS-S-4-01.00, Sheet 7

FOR CONSTRUCTION



ACOR Consultants (Qld) Pty Ltd  
 ABN 18 126 011 087  
 BRISBANE OFFICE  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 Telephone: T +61 7 3844 5900  
 www.acor.com.au

**SITE INSPECTION REPORT**

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 30.11.2022		Start Time: 3:pm
Inspection by: Richard Smith		Finish Time: 4:pm
ACOR Project No: BR200435		Weather: FINE
Inspection Report No: KPS-024	No. Pages:	Site Manager Name: Brad Perske
Works Inspected: BUILDING 3 - SUSPENDED SLAB - IMPACT		
Drawing Reference:		

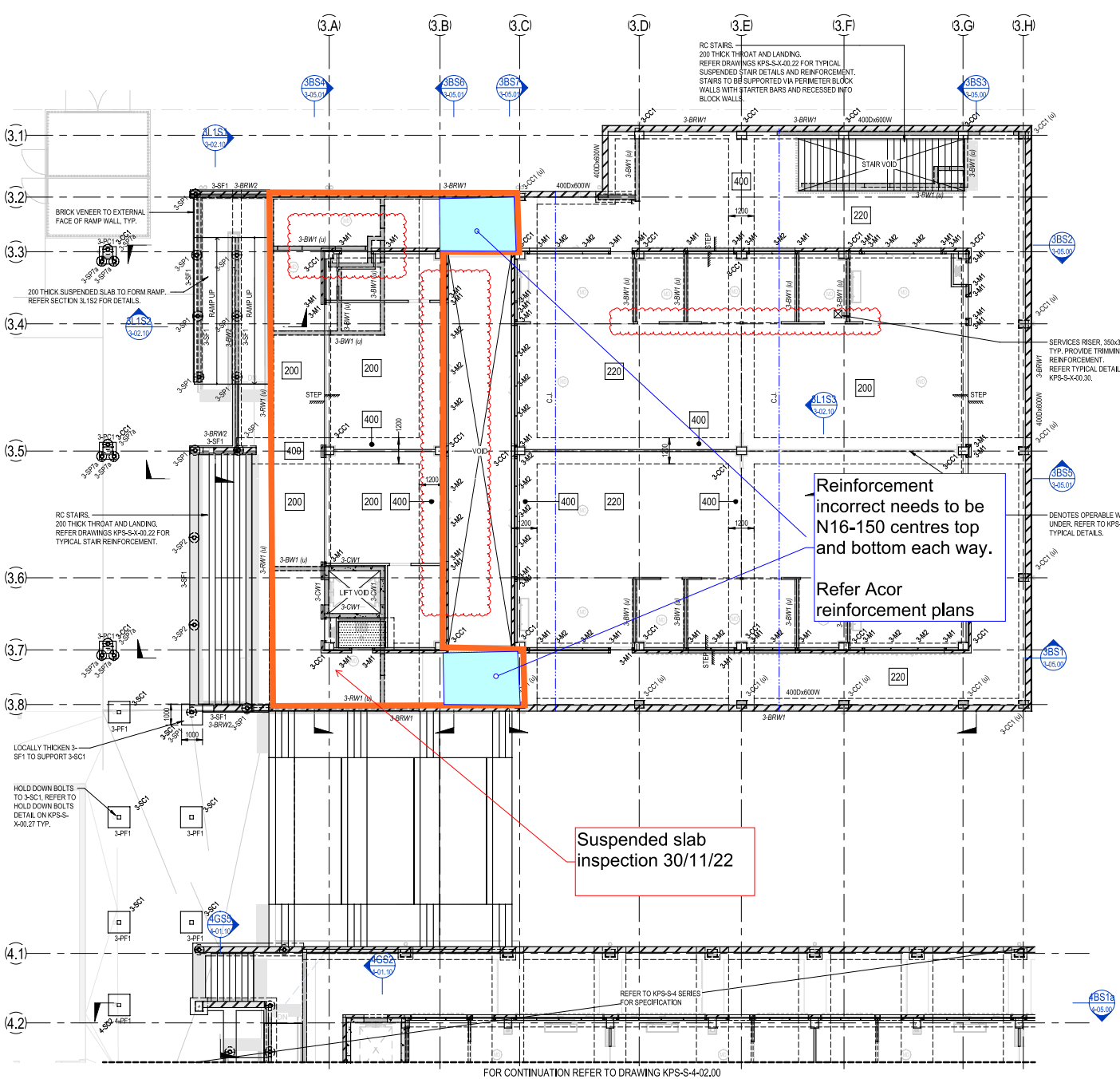
Ingenieered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

EXTENSIVE REFER ATTACHED MARK-UP

1.	
2.	* LAYERS B(1) - B(4) TO HAVE
3.	N16 - 150 TOP / BOT EACH WAY
4.	SOME LAYERS ARE INCORRECT.
5.	
6.	
7.	SEND PHOTOS PRIOR TO POUR
8.	WHEN COMPLETE -
9.	
10.	TO CHAD@INGENIEERED.COM.AU.
11.	

Inspecting Engineer Signature:

Site Manager Signature:



BUILDING 3 - STEEL COLUMN SCHEDULE		
MARK	SIZE	COMMENTS
MULLION		
3-M1	88x69x6.OSHS	
3-M2	75PFC	
STEEL COLUMN		
3-SC1	150x150x6.OSHS	

BUILDING 3 - LEVEL 1 FRAMING SCHEDULE		
MARK	SIZE	COMMENTS
CANOPY BRACING		
3-CB1	Ø16mm BAR	
CANOPY PURLIN		
3-CP1	C15019 AT 900 CTS	SIMPLY SUPPORTED, 1 ROW OF BRIDGING, PROVIDE PURLINS AT 800 CTS FOR FIRST 3 ROWS FROM EDGE.
CANOPY RAFTER		
3-CR1	200PFC	
CANOPY STRUT		
3-CS1	200PFC	

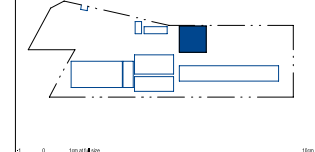
© COPYRIGHT of this design and plan is the property of ACOR Consultants (QLD) Pty Ltd. ACN 126 011 087 ABN 19 126 011 087. All rights reserved. It must not be used, modified, reproduced or copied wholly or in part without written permission from ACOR Consultants (QLD) Pty Ltd. ACOR Consultants is a trademark licensed to ACOR Consultants (QLD) Pty Ltd by ACOR Consultants Pty Ltd.

This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by:

Issue	Description	Date	Drawn	Approved
A	SPN JD ISSUE	02/03/2021	RT	JM
B	200 ISSUE	23/06/2021	RT	MF
C	100% ISSUE	04/06/2021	RT	MF
1	CONSTRUCTION ISSUE	02/07/2021	RT	RS
2	REBID CONSTRUCTION	24/02/2021	RT	MF
3	REBID CONSTRUCTION	06/04/2021	RT	MF
4	REBID CONSTRUCTION	24/04/2021	RT	MF
5	REBID CONSTRUCTION	23/11/2021	MF	BP

- LEGEND**
- 200 200 THICK SUSPENDED SLAB. REFER REINFORCEMENT PLANS.
  - 220 220 THICK SUSPENDED SLAB. REFER REINFORCEMENT PLANS.
  - 400 400 THICK SUSPENDED BEAM. REFER REINFORCEMENT PLANS.
  - STEP DENOTES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR RL'S.
  - CJ DENOTES CONSTRUCTION JOINT. REFER TO KPS-S-X-0029 FOR DETAIL.

- NOTES:**
- REFER TO DRAWINGS KPS-S-X-0010, KPS-S-X-0011 AND KPS-S-X-0012 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWINGS KPS-S-X-0027 FOR TYPICAL OPERABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT, SECONDARY STEEL, NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.C.
  - UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 30mm MAXIMUM.
  - NON STRUCTURAL RAMPS AND HOBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE LAID OVER 200µ POLYETHYLENE MEMBRANE OVER 30mm BEDDING SAND.
  - REFER TO KPS-S-3-01.01 FOR SCREW PILE SCHEDULE AND PILE CAP SCHEDULE.



Richard Crookes CONSTRUCTIONS

NSW Education Technical Infrastructure

B M

Project  
**KINGSCLIFF PUBLIC SCHOOL**

12 ORIENT STREET, KINGSCLIFF, NSW 2487

**ACOR Consultants (QLD) Pty Ltd**  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
T +61 7 3844 5900

ENGINEERS|MANAGERS|INFRASTRUCTURE PLANNERS|DEVELOPMENT CONSULTANTS

Drawn	Date	Scale	A1	QA Check	Date
RT	AUG 2021	1:100	CR		29.06.2021

Structural Drawings have been designed using the Architectural Drawings issued on the 17/06/2021

FOR CONSTRUCTION

Design No.	Project No.	Draw No.	Issue
MP	BR200435	KPS-S-3-02.00	5

**BUILDING 3 - LEVEL 1 PLAN**  
SCALE: 1:100



FOR CONTINUATION REFER TO DRAWING KPS-S-4-02.00



SITE INSPECTION REPORT

Project: Kingscliff Public School		Contractor: RCC
Date of Inspection:		Start Time: 10: AM
Inspection by: Richard Smith		Finish Time: 10:30 AM
ACOR Project No: BR200435		Weather: FINE
Inspection Report No: KPS-025	No. Pages:	Site Manager Name: Brad Perske
Works Inspected: BUILDING 3 - STAIRS / SLAB • BUILDING 4 COLUMNS		
Drawing Reference: KPS-S-3-00-22 / KPS-S-4-01-00		

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

EXTENT REFER MARK UP.

1.	* INCORRECT STAIR THROAT DEPTH
2.	DOO NEEDED.
3.	* INCORRECT COVER OF TOP REINFORCEMENT
4.	TO STAIR TREAD - RISER INTERSECTIONS
5.	* TOP LANDING SLAB REINFORCEMENT
6.	- SOME NOT DEVELOPED INTO SLAB -
7.	REFER MARK UP.
8.	
9.	* ENSURE BUILDING 4 COLUMNS MAINTAIN
10.	CORRECT COVER -> OK TO POUR
11.	

\* REDUCE HEIGHT OF SOME SECTIONS OF STAIR BLOCK WORK AS IT GO HIGH INTO STAIR

Inspecting Engineer Signature:

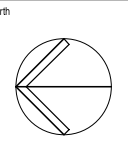
SLAB.

\* ADD LOWES - AS PER ACOR'S REQUEST

Site Manager Signature:

REINFORCEMENT REQUIRED PRIOR TO POUR





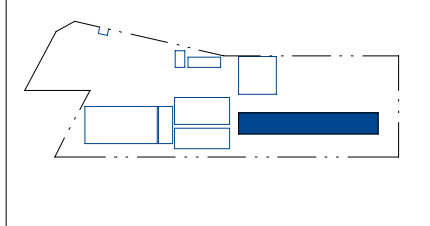
This drawing has been assigned an electronic code that signifies the drawing has been checked and approved by: CR

Issue	Description	Date	Drawn	Approved
A	50% DD ISSUE	02/03/2021	RT	JN
B	70% DD ISSUE	23/04/2021	RT	MP
C	100% DD ISSUE	11/06/2021	RT	MP
1	CONSTRUCTION ISSUE	03/07/2021	RT	RS
2	REVISED CONSTRUCTION	29/07/2021	RT	MP
3	REVISED CONSTRUCTION	06/08/2021	RT	MP
4	REVISED CONSTRUCTION	24/08/2021	RT	MP
5	REVISED CONSTRUCTION	23/11/2021	NF	BR
6	REVISED CONSTRUCTION	10/03/2022	BR	BR
7	CHANGES AS CLOUDED	09/09/2022	BR	BR

- ### LEGEND
- 200** DENOTES 200 THICK SUSPENDED SLAB. 2 LAYERS SL92 MESH BOTTOM, EXTEND MESH MIN 150mm INTO EDGE BEAM. SL102 MESH TOP. DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL N12-300 x 1500 LONG EACH WAY TOP OVER INTERNAL SCREW PILE.
  - DENOTES SLAB STEP. REFER TO ARCHITECTS DRAWINGS FOR RL'S.
  - CJ** DENOTES CONSTRUCTION JOINT. REFER DETAIL ON KPS-S-X-00.29
  - DENOTES WET AREA SETDOWN. REFER TO ARCHITECTS DRAWINGS FOR RL'S.

- ### NOTES:
- REFER TO DRAWINGS KPS-S-X-0010, KPS-S-X-0011 AND KPS-S-X-0012 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWING KPS-S-X-00.27 FOR TYPICAL OPERABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT. SECONDARY STEEL NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.O.
  - UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 50mm MAX.
  - NON STRUCTURAL RAMPS AND HOBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE LAID OVER 200µ POLYTHENE MEMBRANE OVER 50mm BEDDING SAND.
  - REFER TO KPS-S-4-01.01 FOR ADDITIONAL GROUND FLOOR NOTES.

NOTE: REFER TO KPS-S-4-01.01 FOR GROUND FLOOR SCHEDULES.

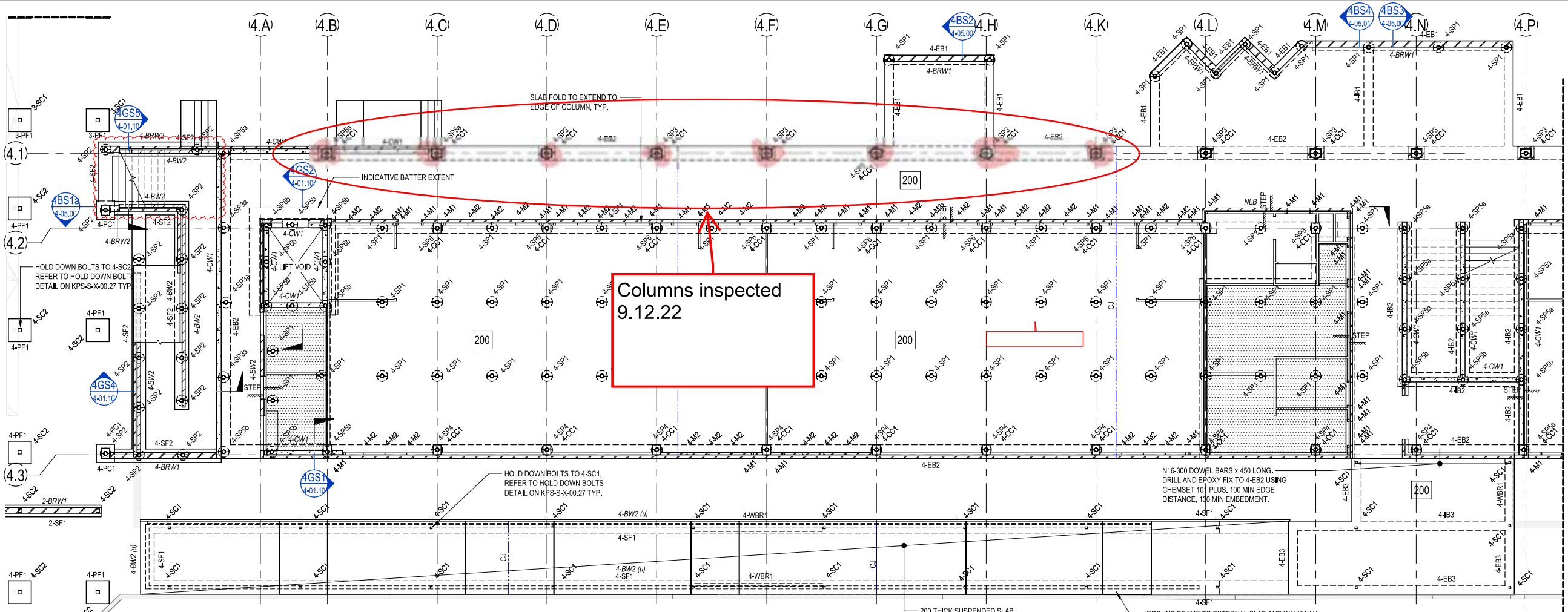


Client

**RICHARD CROOKES CONSTRUCTIONS**

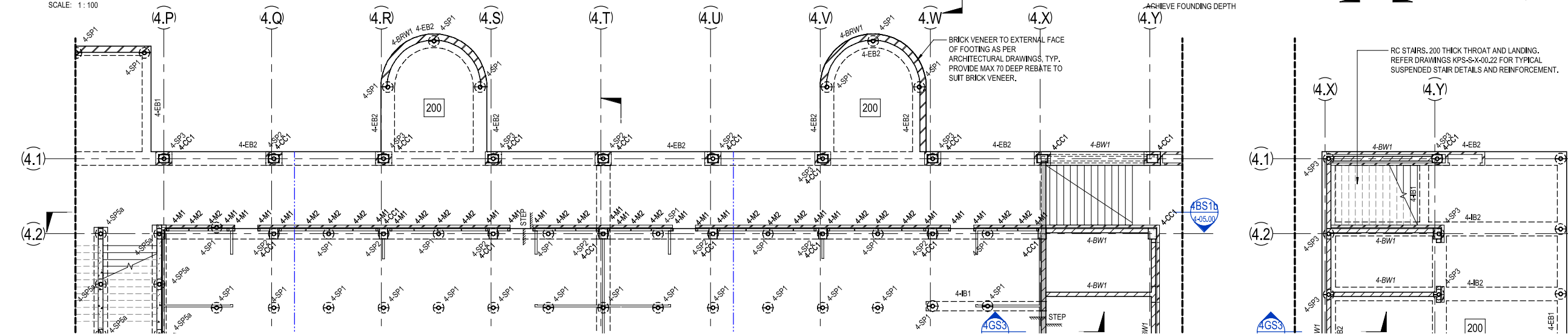
Education School Infrastructure

Architect



Columns inspected  
9.12.22

**BUILDING 4 - GROUND FLOOR PLAN PART A**  
SCALE: 1:100



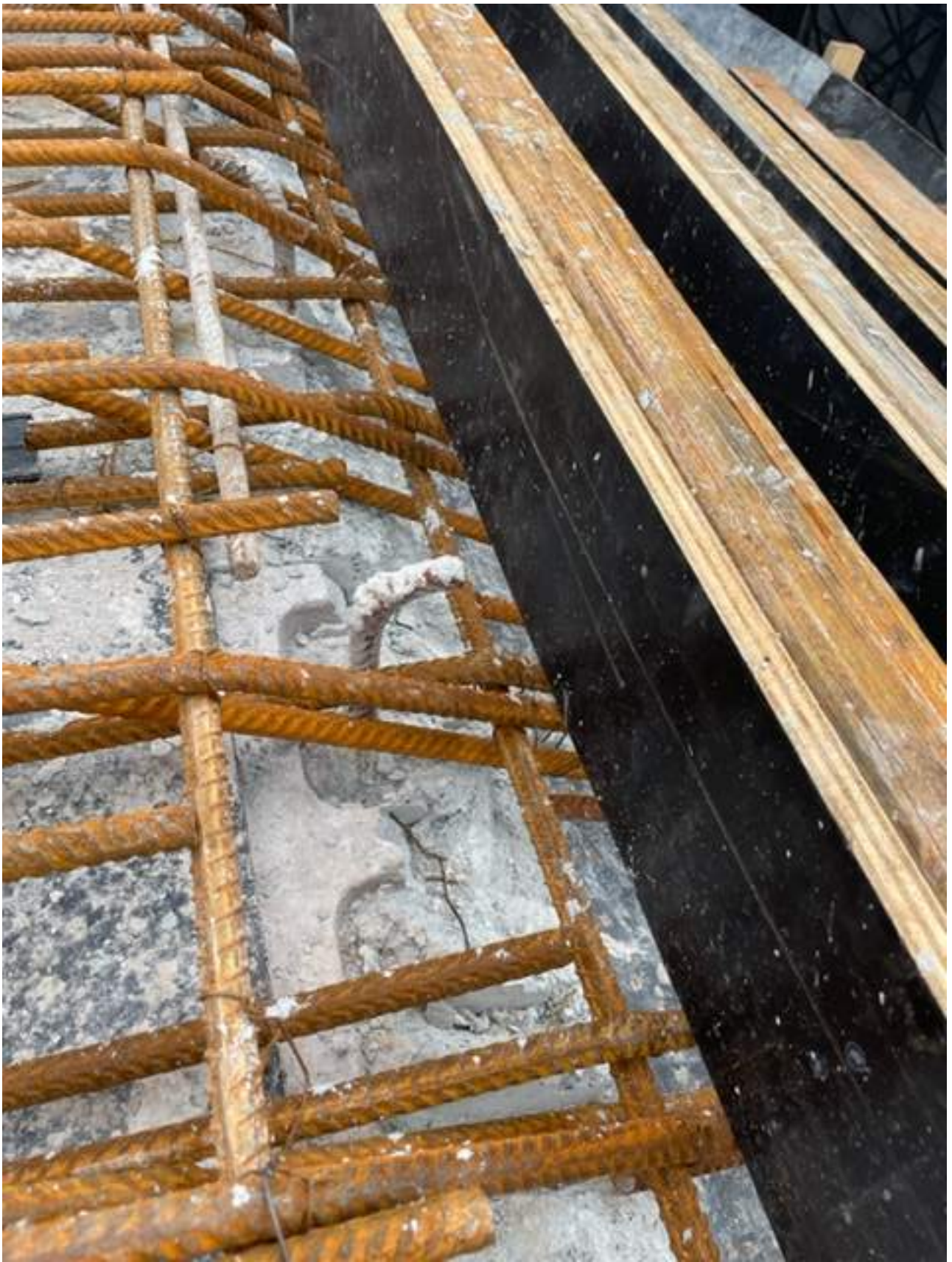
Client

**RICHARD CROOKES CONSTRUCTIONS**

Education School Infrastructure

Architect











ACOR Consultants (Qld) Pty Ltd  
 ABN 18 126 011 087  
 BRISBANE OFFICE  
 Level 4, 43 Peel Street  
 South Brisbane QLD 4101  
 Telephone: T +61 7 3844 5900  
 www.acor.com.au

**SITE INSPECTION REPORT**

Project: Kingscliff Public School		Contractor: RCC	
Date of Inspection: 13/12/2022		Start Time: 11:30 AM	
Inspection by: Richard Smith		Finish Time: 12:00 PM.	
ACOR Project No: BR200435		Weather: FINE	
Inspection Report No: KPS-026	No. Pages:	Site Manager Name: Brad Perske	
Works Inspected: BUILDING 3 - UPPER FLOOR LIFT WALLS.			
Drawing Reference: KPS-3-00-22			

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments:

EXTENT REFER DRAWINGS

1.	
	* ENSURE CORRECT COVER.
3.	
	* ADD EXTRA TOP HORIZONTAL BARS - AS PER PLAN.
5.	
6.	
7.	
8.	
9.	
10.	
11.	

Inspecting Engineer Signature:

Site Manager Signature:



SITE INSPECTION REPORT

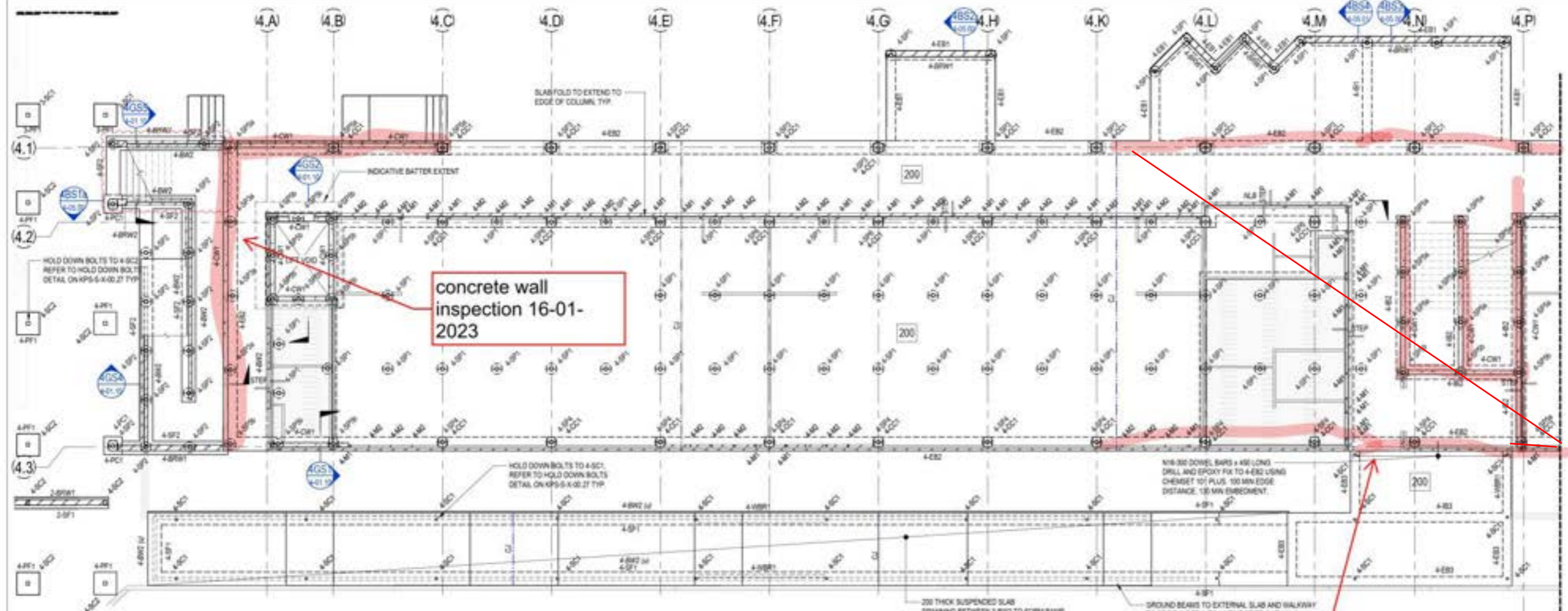
Project: Kingscliff Public School		Contractor: RCC
Date of Inspection: 16.01.2023		Start Time: 8 AM
Inspection by: Richard Smith		Finish Time: 8:45 AM
ACOR Project No: BR200435		Weather: FINE
Inspection Report No: KPS-o29	No. Pages:	Site Manager Name: Brad Perske
Works Inspected: BUILDING 4 - SLAB / CONCRETE WALL / BUILDING 3 STEPS		
Drawing Reference: BUILDING 2 STAFF STEPS,		

Engineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine the lift pit reinforcement to Building 4, to check for congruence with the latest issued For Construction documentation and any issued site advices. Please refer to the accompanying Comment Plan for the scope of the areas inspected. The works were found to be generally in accordance with the structural documentation, with the exception of the following outstanding items and comments: **EXTENT REFER MARK-UP.**

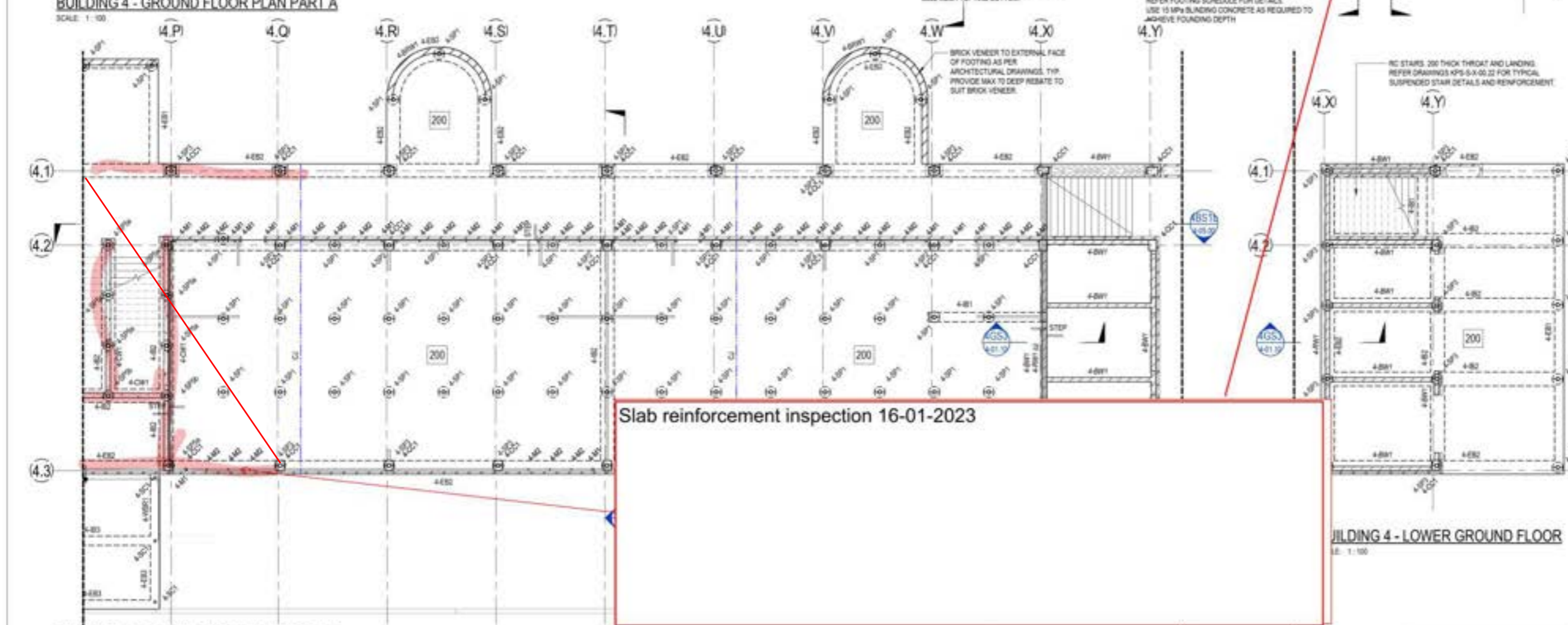
- 1. BUILDING 4 SLAB REINFORCEMENT.
- 2.
- 3. \* ADD AND ALIGN ALL PILE TOP HAT U BARS
- 4. ENSURE CORRECT COVER AND DEPTH
- 5. OF PILE THICKENING.
- 6. \* CLEAR ALL LOOSE DEBRIS.
- 7.
- 8. BUILDING 4 WALL - GOOD TO CAST & POUR
- 9. ENSURE CORRECT COVER.
- 10.
- 11. BUILDING 3 STEPS - REINSPECT
- GET COVER CORRECT.
- BUILDING 4 STAFF STAIR OK TO POUR.

Inspecting Engineer Signature:

Inspecting Engineer



**BUILDING 4 - GROUND FLOOR PLAN PART A**  
SCALE: 1:100



**BUILDING 4 - LOWER GROUND FLOOR**  
SCALE: 1:100

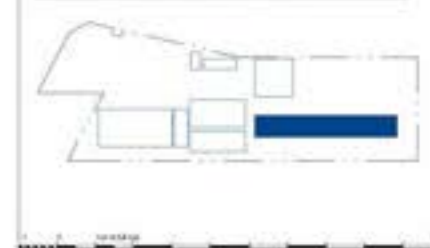
**BUILDING 4 - GROUND FLOOR PLAN PART B**  
SCALE: 1:100

This drawing has been prepared in electronic form and signifies the drawing has been checked and approved by CR

Rev	Description	Date	Drawn	Checked	Approved
1	ISSUE	20/06/2021	MP	CR	MP
2	REVISION	20/06/2021	MP	CR	MP
3	REVISION	20/06/2021	MP	CR	MP
4	REVISION	20/06/2021	MP	CR	MP
5	REVISION	20/06/2021	MP	CR	MP
6	REVISION	20/06/2021	MP	CR	MP
7	REVISION	20/06/2021	MP	CR	MP
8	REVISION	20/06/2021	MP	CR	MP
9	REVISION	20/06/2021	MP	CR	MP
10	REVISION	20/06/2021	MP	CR	MP
11	REVISION	20/06/2021	MP	CR	MP
12	REVISION	20/06/2021	MP	CR	MP
13	REVISION	20/06/2021	MP	CR	MP
14	REVISION	20/06/2021	MP	CR	MP
15	REVISION	20/06/2021	MP	CR	MP
16	REVISION	20/06/2021	MP	CR	MP
17	REVISION	20/06/2021	MP	CR	MP
18	REVISION	20/06/2021	MP	CR	MP
19	REVISION	20/06/2021	MP	CR	MP
20	REVISION	20/06/2021	MP	CR	MP

- LEGEND**
- 200 DENOTES 200 THICK SUSPENDED SLAB 2 LAYERS 150MM MESH BOTTOM, EXTEND MESH MIN 150MM INTO EDGE BEAM. USE MESH TOP DO NOT LAP TOP MESH OVER SCREW PILE. ADDITIONAL 150-200 x 150 LONG EACH WAY TOP OVER INTERNAL SCREW PILE.
  - Denotes slab step. REFER TO ARCHITECTS DRAWINGS FOR RL.
  - Denotes construction joint. REFER DETAIL ON KPS-S-4-01-29
  - Denotes wet area setdown. REFER TO ARCHITECTS DRAWINGS FOR RL.

- NOTES:**
- REFER TO DRAWINGS KPS-S-4-01-01, KPS-S-4-01-011 AND KPS-S-4-01-012 FOR ALL STRUCTURAL GENERAL NOTES.
  - REFER DRAWING KPS-S-4-01-21 FOR TYPICAL OPERABLE WALL HEADER DETAILS. REFER ARCHITECTURAL DRAWINGS FOR SETOUT. SECONDARY STEEL NOT SHOWN ON STRUCTURAL PLANS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR ALL CONCRETE SETOUT INFORMATION.
  - ALL STEPS, FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.D.
  - UNLESS NOTED OTHERWISE ALL WET AREA SETDOWNS ARE TO BE 30mm MAX.
  - NON STRUCTURAL RAMPS AND HOBS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND LOCATIONS.
  - ALL SLABS ON GROUND TO BE LAID OVER 200µ POLYTHENE MEMBRANE OVER 300mm BEDDING SAND.
  - REFER TO KPS-S-4-01-01 FOR ADDITIONAL GROUND FLOOR NOTES.



**RICHARD CROOKES CONSTRUCTIONS**  
NSW Education School Infrastructure

**BIM**  
BRISBANE (01) 937 4622  
16 BROOKS STREET KINGSCLIFF VALLEY NSW QLD  
www.richardcrookes.com.au

**KINGSCLIFF PUBLIC SCHOOL**  
12 ORIENT STREET, KINGSCLIFF, NSW 2487

**ACOR CONSULTANTS**  
ACOR Consultants (QLD) Pty Ltd  
Level 4, 43 Peel Street  
South Brisbane QLD 4101  
T +61 7 3644 5900

ENGINEERS/MANAGERS/INFRASTRUCTURE PLANNERS/DEVELOPMENT CONSULTANTS

Drawing Title: **STRUCTURAL BUILDING 4 - GROUND FLOOR PLAN**

Drawn: RT	Date: AUG 2021	Scale: 1:100	Rev: CR	Date: 29.06.2021
Design: MP	Project No: BR200435	Disc No: KPS-S-4-01.00	Sheet: 7	Total: 7

FOR CONSTRUCTION