

Our Reference: B

BR210028-buildingA\_rev02

Your Reference:

Level 2 6 Palmer Pde CREMORNE VIC 3121

15.09.23

**T** 03 9885 4335

www.acor.com.au

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

Artarmon, NSW 2064

Attention: Mr Lachlan Box

**ENGINEERS** 

MANAGERS

INFRASTRUCTURE

**PLANNERS** 

DEVELOPMENT CONSULTANTS

Dear Lachlan,

Re: Kingscliff High School, Kingscliff NSW

Structural Certification - Building A Admin

#### STRUCTURAL

Site Details:					
Project Name.	Kingscliff High School				
Street no. / Street name	: 33 Oxford Street				
Suburb:	Kingscliff	State:	NSW	Postcode:	2487
Description of Work	C.	Alterations and Building)	Additions to the Ex	isting Building A (Adı	ministration
Consent:					
CCD No CCD 0	744205		Consent au	thority: N/A	
SSD No. SSD-8744305			Dated:		
•	ons of the Environment P ause A5.2 of the Building C	•	•	opment Certification	on and Fire Safe
		of AC	OR CONSULTAN	TS	
Rudy Susanto					
Rudy Susanto (name)			(com	pany)	

SSD Condition D11



The following conditions of Development Consent:

a)



b) The relevant clauses of the Building Code of Australia, as BCA clauses B1.2 & B1.4

AS 1170.0:2002, AS1170.1-2002, AS1170.2-2011, AS1170.4-2007, AS2159:2009, 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 KHS-S-A-*)	Approved/ Rejected
031	22/03/2023	Existing Retaining Wall Footing Extension	01.80, 04.01	Approved
032	03/04/2023	Footings as per extent shown	04.03, 00.24	Approved
036	05/05/2023	Ground Slab Reinforcement	02.00	Approved
039	05/06/2023	Structural Steel Framing	02.00, 03.00, 03.01, X-00.26, X- 00.27	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.

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: All light gauge steel members, to be certified by others

Where there are no exclusions, I certify that this certificate covers all structural works, including footings, reinforced concrete and structural steel for the areas inspected as outlined in the above list.

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.

Name:	Rudy Susanto	Licence No.:	PE0003143
Company Name:	ACOR CONSULTANTS	ABN No:	40079306246
Company Address:	Level 2, Palmer Pde, Cremorne VIC 3121	Tel:	03 9885 4335
Signature:	Culy	Position Title:	Associate – Senior Structural Engineer
		Date:	15.09.23



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 High School		Contractor: RCC	
Date of Inspection: 22 3 73		Start Time: (130 PM	
Inspection by: Richard Smith		Finish Time: 1:45 Pm	
ACOR Project No: BR210028		Weather: RAWING.	
Inspection Report No: KHS-o	No. Pages: 2	Site Manager Name:	
Works Inspected: Building A.	- FOUTING	EXTENSION	
Works Inspected: Bulding A.  Drawing Reference: KHS-S-AO	1.80 / KH:	5-54.0401	

Ingineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine and 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 TION MARK-US
1.* RENTORIEMENT PLACED CORPETLY
2.
3. * NEED EXECULA CHOPING B ACHIEVE GOVER
4. * REMOVE BRICK & SOIL DOBLES FROM BASE
5. AT EXISTEND FOOTEN JUNKTION
6.
7. WHEN HERVE COMPLETE OF TO Paul
8.
9.
10.
11.

Inspecting Engineer Signature:

### LEGEND

DENOTES SLAB THICKNESS. REFER PLAN FOR THICKNESS XXX

LOADBEARING ELEMENTS UNDER ARE SHOWN SHADED TYPICALLY

DENOTES SAWN JOINT REFER TO DRG KHS-S-X-00.21 FOR DETAILS. D.J. DENOTES DOWEL JOINT REFER TO DRG KHS-S-X-00,21 FOR DETAILS.

□ DENOTES STEEL COLUMN REFER SCHEDULE

A-RW1 DENOTES 190 THICK REINFORGED BLOCKWORK RETAINING WALL

REFER TO DRG KHS-S-A-04.01 FOR DETAILS PROVIDE 3-N12 TRIMMERS x 2000 LONG. TIED TO THE UNDERSIDE OF MESH AT SLAB RE-ENTRANT CORNERS, AND AT ALL PENETRATION CORNERS U.N.O.

#### **SLAB AND REINFORCEMENT NOTES:**

RAFT SLAB NOTES:

1. 100 THICK CONCRETE SLAB U.N.O.
2. SL\$2 MESH LAID TOP. REFER BELOW FOR REINFORCEMENT TO 200 THICK SLAI
3. CONCRETE BEAMS AS PER SCHEDULE.

4. PROVIDE SOMM BEDDING SAND WITH 0.2mm POLYTHENE SHEETING. REFER TO CIVIL ENGINEERING DRAWINGS FOR GROUND PREPARATION REQUIREMENTS.

120 DENOTES 120 THK CONCRETE SLAB ON GROUND ON 0.2mm POLYTHENE SHEETING AND 50mm BEDDING SAND.

S.O.S. SL82 MESH LAID TOP.

BY A SUITABLY QUALIFIED GEOTECH ENGINEER.

DENOTES 200 THICK CONCRETE SLAB WITH SL92 MESH LAID TOP AND BTM

#### FOOTING NOTES:

REFER TO DRAWINGS X-0010 - X-0011 FOR ALL STRUCTURAL GENERAL NOTES. REFER TO X-0020 FOR FOOTING TYPICAL DETAILS ALL FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.O. STRIP FOOTINGS TO BE FOUNDED ON NATURAL SAND WITH MIN 100KPa

ALLOWABLE BEARING CAPACITY.
PAD FOOTINGS TO BE FOUNDED 1000mm BELOW NATURAL SAND WITH MIN 100kPa

ALLOWABLE BEARING CAPACITY.
RAFT SLAB TO BE CAST ON LEVEL 1 SUPERVISION AS PER CIVIL DRAWINGS.

GEOTECH CONDITIONS TO BE CONFIRMED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION

# **EXCAVATION NOTE**

INTEGRITY OF TRENCH WALLS TO BE MAINTAINED DURING EXCAVATION/CONSTRUCTION. PROVIDE SHORING IF REQUIRED.

#### BUILDING A - CONCRETE BEAM SCHEDULE DEPTH (A) x WIDTH (B) REINFORCEMENT BOTTOM TOP 3L11TM 2N12 R 5L11TM 2N12 R 3-N12 3-N12 R B 300 500 500 R6-900 R10-600 A-ET2 200 300 3-L11TM A-IB1 400 300 3L11TM

## BUILDING A - STEEL COLUMN SCHEDULE

MARK	SIZE	COMMENTS
A-SC1	89x89x5.0SHS	STEEL COLUMN

## BUILDING A - REINFORCED BLOCKWORK WALL

		WALL REINFORCEMENT			
MARK	SIZE & TYPE	HORIZONTAL	VERTICAL	COMMENTS	
A-BW1	190 BLOCKWORK WALL	N12-400	N12-400	BARS LAID CENTRAL	

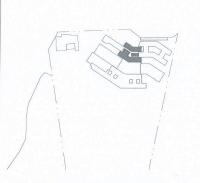
## BUILDING A - CONCRETE FOOTING SCHEDULE

	DEPTH (A) x WIDTH (B)			
MARK	A	В	REINFORCEMENT	COMMENTS
A-SF1	500	600	3-N12 TOP AND BTM	R10-600 TIES

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50% DD ISSUE		Drawn	Appro
DU76 DU 100 UE	02/03/2021	DC	Jŀ
100% DD ISSUE	23/04/2021	PRS	Jh
CONSTRUCTION ISSUE	11/06/2021	PRS	BF
CONSTRUCTION ISSUE REVISED	04/08/2021	DJN	JH
	CONSTRUCTION ISSUE	CONSTRUCTION ISSUE 11/06/2021	CONSTRUCTION ISSUE 11/06/2021 PRS



RICHARD CROOKES

CONSTRUCTIONS Education School Infrastructure

KINGSCLIFF HIGH SCHOOL -STAGE 2 MAIN WORKS

33 OXFORD ST. KINGSCLIFF, NSW

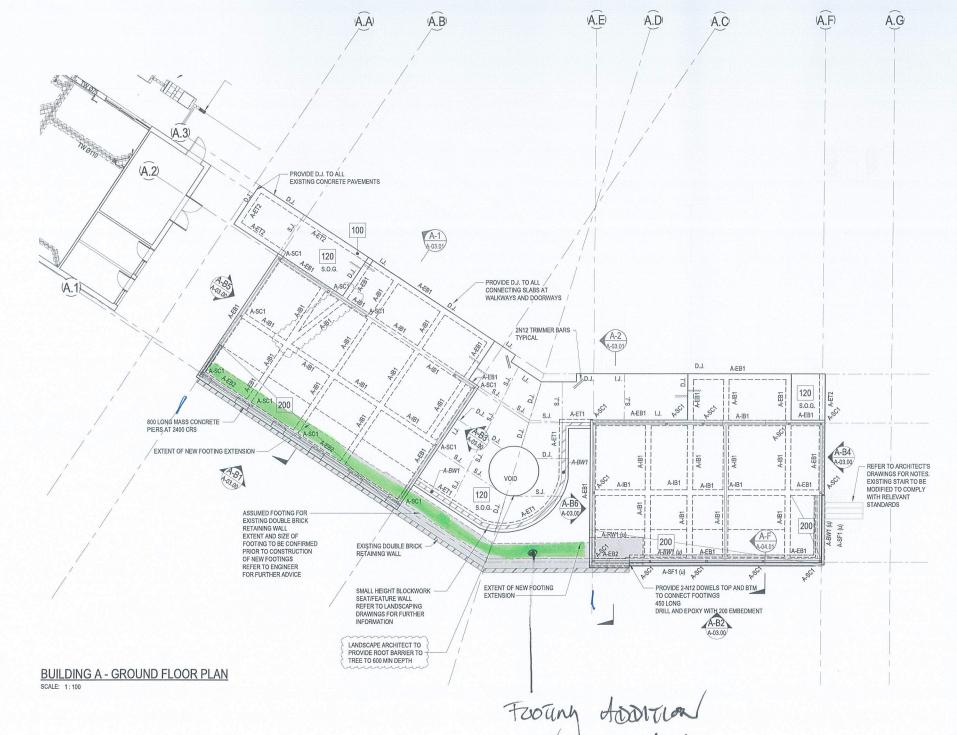


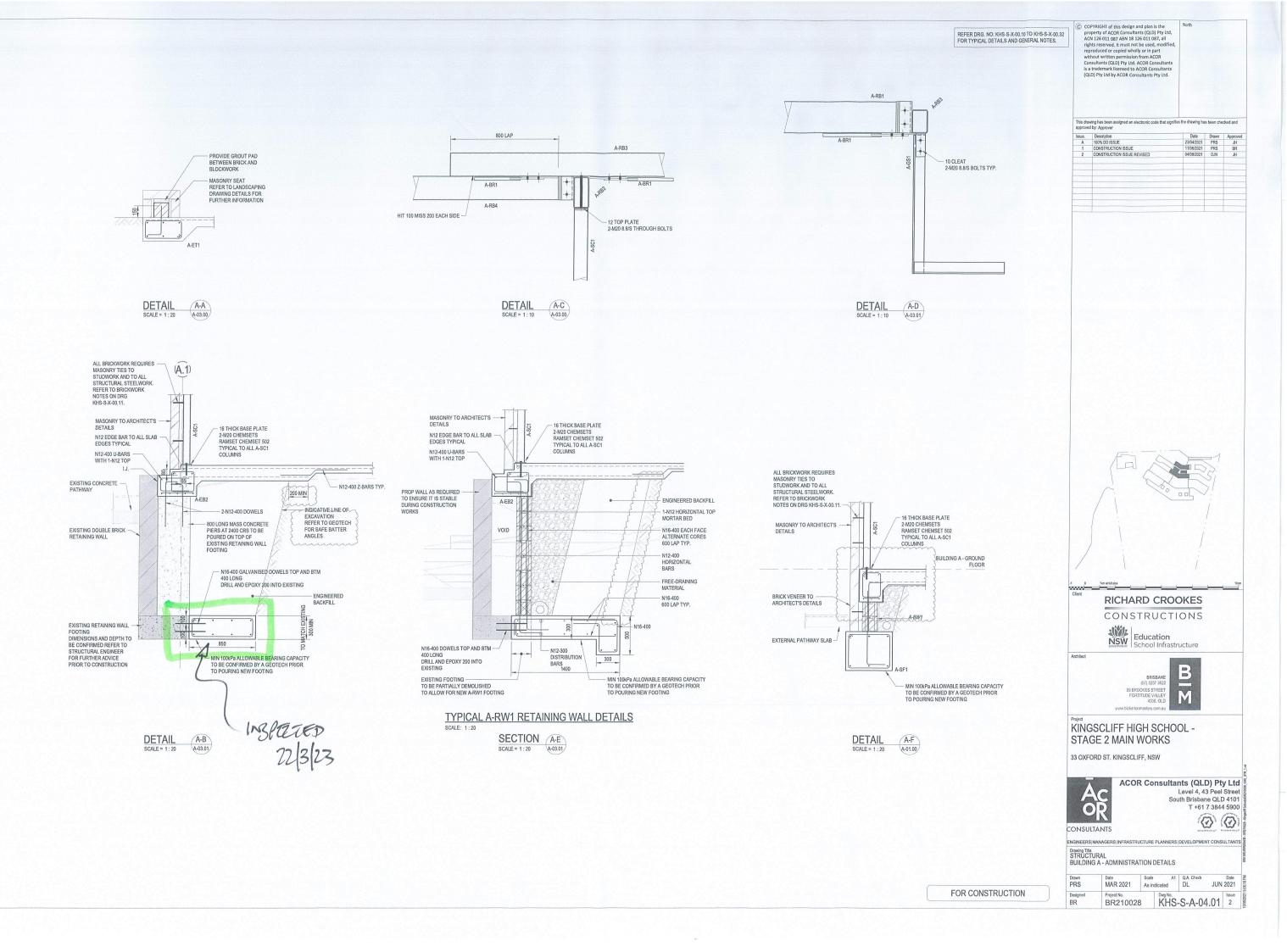
ACOR Consultants (QLD) Pty Ltd Level 4, 43 Peel Street South Brisbane QLD 4101 T +61 7 3844 5900

@ @

BUILDING A - ADMINSTRATION SLAB PLAN

Drawn PRS | Date | Scale | A1 | Q.A. Check | Date | MAR 2021 | 1:100 | DL | JUN 2021 Project No. BR210028 KHS-S-A-01.00 2







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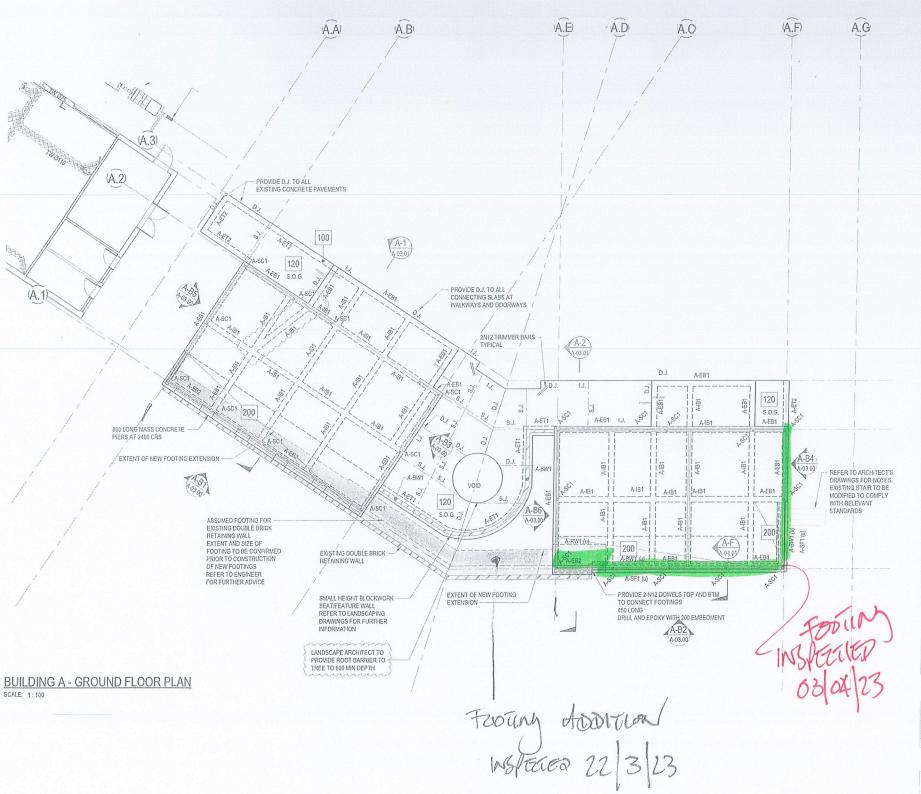
#### SITE INSPECTION REPORT

Project: Kingscliff High School		Contractor: RCC
Date of Inspection: 03.04.2023		Start Time: 8 AM
Inspection by: Richard Smith		Finish Time: 8:20 AM
ACOR Project No: BR210028		Weather: RAN
Inspection Report No: KHS-032	No. Pages:	Site Manager Name: TODD
Works Inspected: Building A Footing	EXTENT	PEFER MALK-UP
Drawing Reference:		00 KHS-5-A 04.01

Ingineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine and 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.	
2. ENSURE COVER, AND FROM 3. IS FREE OF DEBRIS	TING BUSE
3. IS FREG OF OFBRIS	
4.	
5.	
6.	
7. OH TO POUR	
8.	
9.	
10.	
11.	

Inspecting Engineer Signature:



REFER DRG. NO: KHS-S-X-00.10 TO KHS-S-X-00.32 FOR TYPICAL DETAILS AND GENERAL NOTES.

### LEGEND

[ ] LOADBEARING ELEMENTS UNDER ARE SHOWN SHADED TYPICALLY

DENOTES DOWEL JOINT REFER TO DRG KHS-S-X-00.21 FOR DETAILS.

DENOTES STEEL COLUMN REFER SCHEDULE

A-RW1 DENOTES 190 THICK REINFORCED BLOCKWORK RETAINING WALL REFER TO DRG KHS-S-A-04.01 FOR DETAILS

PROVIDE 3-N12 TRIMMERS x 2000 LONG. TIED TO THE UNDERSIDE OF MESH AT SLAB RE-ENTRANT CORNERS, AND AT ALL PENETRATION CORNERS U.N.O.

### SLAB AND REINFORCEMENT NOTES:

RAFT SLAB NOTES: 1. 100 THICK CONCRETE SLAB U.N.O.

1. 100 I HIGK CONCREL IS SLAS UN.O. 25.
2. SL92 MESH LUID TOP, REFER BELOW FOR REINFORCEMENT TO 200 THICK SLAB
3. CONCRETE BEAMS AS PER SCHEDULE.
4. PROVIDE 50mm BEDDING SAND WITH 0.2mm POLYTHENE SHEETING, REFER TO CIVIL ENGINEERING DRAWINGS FOR GROUND PREPARATION REQUIREMENTS.

DENOTES 120 THK CONCRETE SLAB ON GROUND ON 0.2mm POLYTHENE SHEETING AND 50mm BEDDING SAND.

S.O.E. SL82 MESH LAID TOP.

BY A SUITABLY QUALIFIED GEOTECH ENGINEER.

DENOTES 200 THICK CONCRETE SLAB WITH SL92 MESH LAID TOP AND BTM

#### FOOTING NOTES:

REFER TO DRAWINGS X-0010 - X-0011 FOR ALL STRUCTURAL GENERAL NOTES.
REFER TO X-0020 FOR FOOTING TYPICAL DETAILS
ALL FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.O.
STRIP FOOTINGS TO BE FOUNDED ON NATURAL SAND WITH MIN 100kPa
ALLOWABLE BEARING CAPACITY.
PAD FOOTINGS TO BE FOUNDED 1000mm BELOW NATURAL SAND WITH MIN 100kPa
ALLOWABLE BEARING CAPACITY.
RAFT SLAS TO BE CAST ON LEVEL I SUPERVISION AS PER CIVIL DRAWINGS.
GEOTECH CONDITIONS TO BE CONFIRMED BY A SUITABLY QUALIFIED
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GEOTECH CONDITIONS TO BE CONFIRMED BY A SUITABLY QUALIFIED

### **EXCAVATION NOTE**

INTEGRITY OF TRENCH WALLS TO BE MAINTAINED DURING EXCAVATION/CONSTRUCTION. PROVIDE SHORING IF REQUIRED.

### BUILDING A - CONCRETE BEAM SCHEDULE

	DEPTH (A	) x WIDTH (B)		REINFORCEMENT		
MARK	A	В	BOTTOM-	~~~TOP~~~	TIES	COMMENTS
A-EB1	400	300	3L11TM	2N12	R6-900	
A-EB2	400	500	5L11TM	* 2N12	R6-900	
A-ET1	300	500	3-N12	3-N12	R10-600	CURVE TOP AND BTM BARS WHERE NECESSARY
A-ET2	200	300	3-L11TM	NA	R6-900	
A-IB1	400	300	3L11TM	NA	R6-900	

#### BUILDING A - STEEL COLUMN SCHEDULE

		LLL COLONIN COLLEC
MARK	SIZE	COMMENTS
A-SC1	89x89x5.0SHS	STEEL COLUMN

## BUILDING A - REINFORCED BLOCKWORK WALL

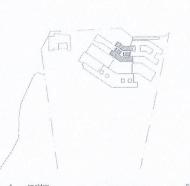
	SIZE & TYPE	WALL REIN	FORCEMENT		
MARK		HORIZONTAL	VERTICAL	COMMENTS	
A-BW1	190 BLOCKWORK WALL	N12-400	N12-400	BARS LAID CENTRAL	

#### BUILDING A - CONCRETE FOOTING SCHEDULE

	DEPTH (A)	x WIDTH (B)			
MARK	A	В	REINFORCEMENT	COMMENTS	
A-SF1	500	600	3-N12 TOP AND BTM	R10-600 TIES	

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Issue.	Description	Date	Drawn	Appro
A	50% DD ISSUE	02/03/2021	DC	A
В	100% DO ISSUE	23/04/2021	PRS	JH
1	CONSTRUCTION ISSUE	11/05/2021	PRS	BR
2	CONSTRUCTION ISSUE REVISED	04/08/2021	DJN	JH



RICHARD CROOKES

CONSTRUCTIONS





KINGSCLIFF HIGH SCHOOL -STAGE 2 MAIN WORKS

33 OXFORD ST. KINGSCLIFF, NSW

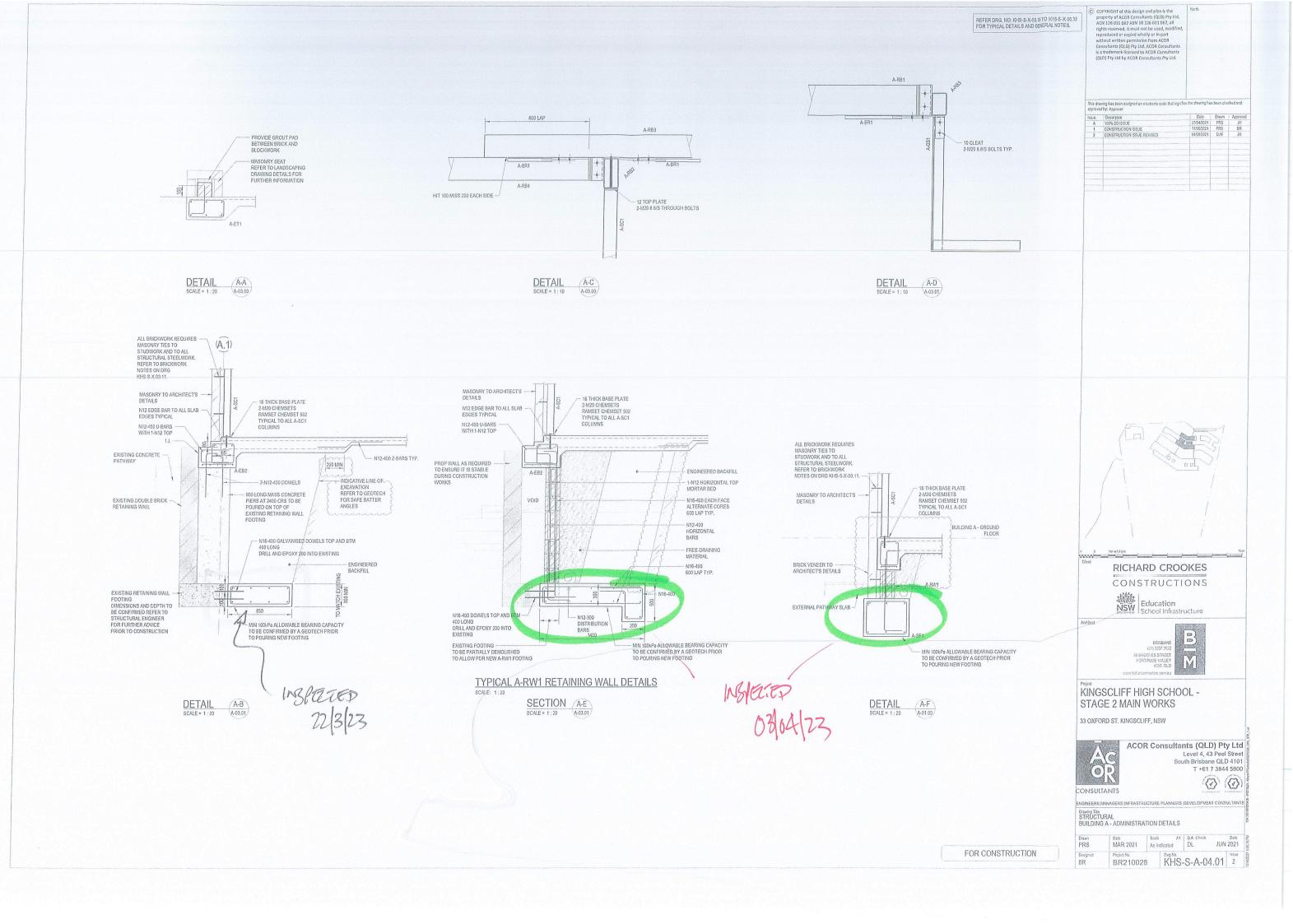


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0 0

Drawing Title STRUCTURAL BUILDING A - ADMINSTRATION SLAB PLAN

PRS JUN 2021 MAR 2021 1:100 Owg No. KHS-S-A-01.00 2 BR210028





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#### SITE INSPECTION REPORT

Project: Kingscliff High School		Contractor: RCC			
Date of Inspection: 5/5/23		Start Time: 9 aux			
Inspection by: Richard Smith		Finish Time: 430 en			
ACOR Project No: BR210028		Weather: RAW (light)			
Inspection Report No: KHS-o 36	No. Pages: 2	Site Manager Name:			
Works Inspected: SROWN SLAB RENFORCEMENT BUILDING A.					
Drawing Reference:	5-A-200				

Ingineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine and 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.
2. * ADD REMAINS CHAMES  3. ** NIZ TRIMMER BARS WHERE NEEDED
3. * NIZ TIRIMMER BARS WHERE NEEDED
4.
5. * ENBURE COLLET COVER
6.
7.
8. Or to Pour
9.
10.
11.

Inspecting Engineer Signature:



ACOR Consultants (QId) 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

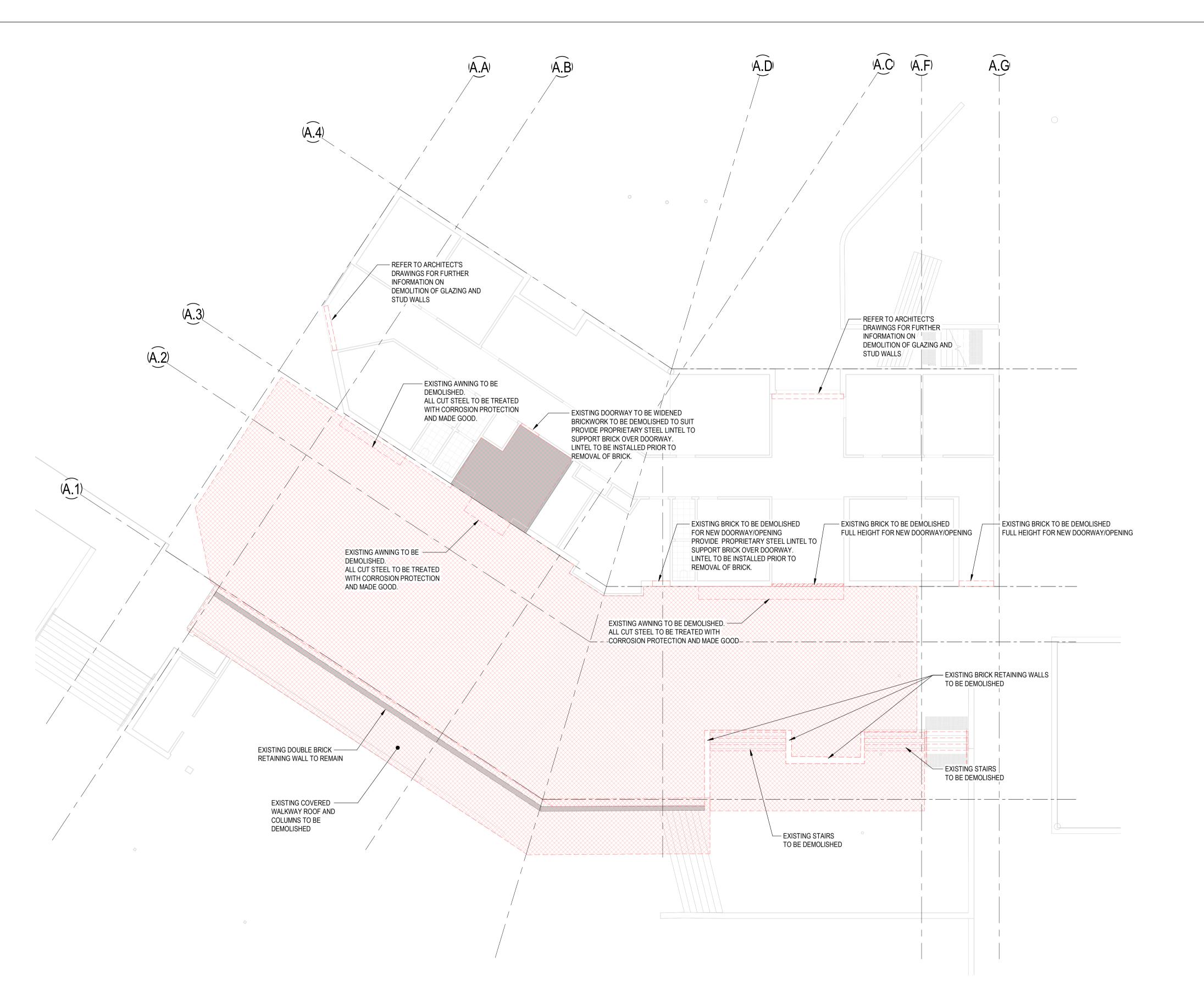
Project: Kingscliff High School	Contractor: RCC		
Date of Inspection: 5 6 23	Start Time: 1:17 Pm		
Inspection by: Richard Smith	Finish Time: 1 45 pm		
ACOR Project No: BR210028	Weather: FXC		
Inspection Report No: KHS-o 39 No. Pages:	Site Manager Name: ETHAN.		
Works Inspected: BUIDING A STRUC	TURAC, STEEL FRAMING		
Drawing Reference: KHS - S - A . 2 . 08	3-00 3-01 AND X DO, 26/27		

Ingineered (engaged by ACOR Consultants) were invited to site to undertake an inspection to examine and 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 REFOR PLANS.
2.
* 3. ADD STRUCTURAX GROUT TO COLUMN
* BASES * 5. ADD BRACING +2 ROSI (A-BR2) GRID A. 1 - AE-AF 6.
6.
X 7. SITE WELD BOX GUHER MEMBERS A-981
8.
9. WHEN ABOVE COMPLETE - All SATISFACTORY
10.
11.

Inspecting Engineer Signature:





BUILDING A - DEMOLISHED GROUND FLOOR PLAN
SCALE: 1:100

REFER DRG. NO: KHS-S-X-00.10 TO KHS-S-X-00.32 FOR TYPICAL DETAILS AND GENERAL NOTES.

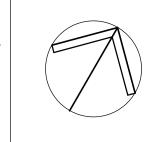
**LEGEND** 



DENOTES DEMOLISHED

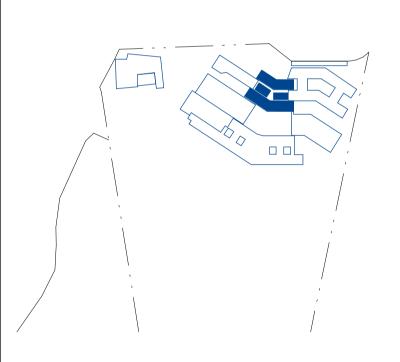
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(QLD) Pty Ltd by ACOR Consultants Pty Ltd.



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

Issue.	Description	Date	Drawn	Approve	
Α	50% DD ISSUE	02/03/2021	DC	JH	
В	100% DD ISSUE	23/04/2021	PRS	JH	
1	CONSTRUCTION ISSUE	11/06/2021	PRS	BR	



RICHARD CROOKES
CONSTRUCTIONS



Architect



KINGSCLIFF HIGH SCHOOL -STAGE 2 MAIN WORKS

33 OXFORD ST. KINGSCLIFF, NSW



ACOR Consultants (QLD) Pty Ltd

Level 4, 43 Peel Street

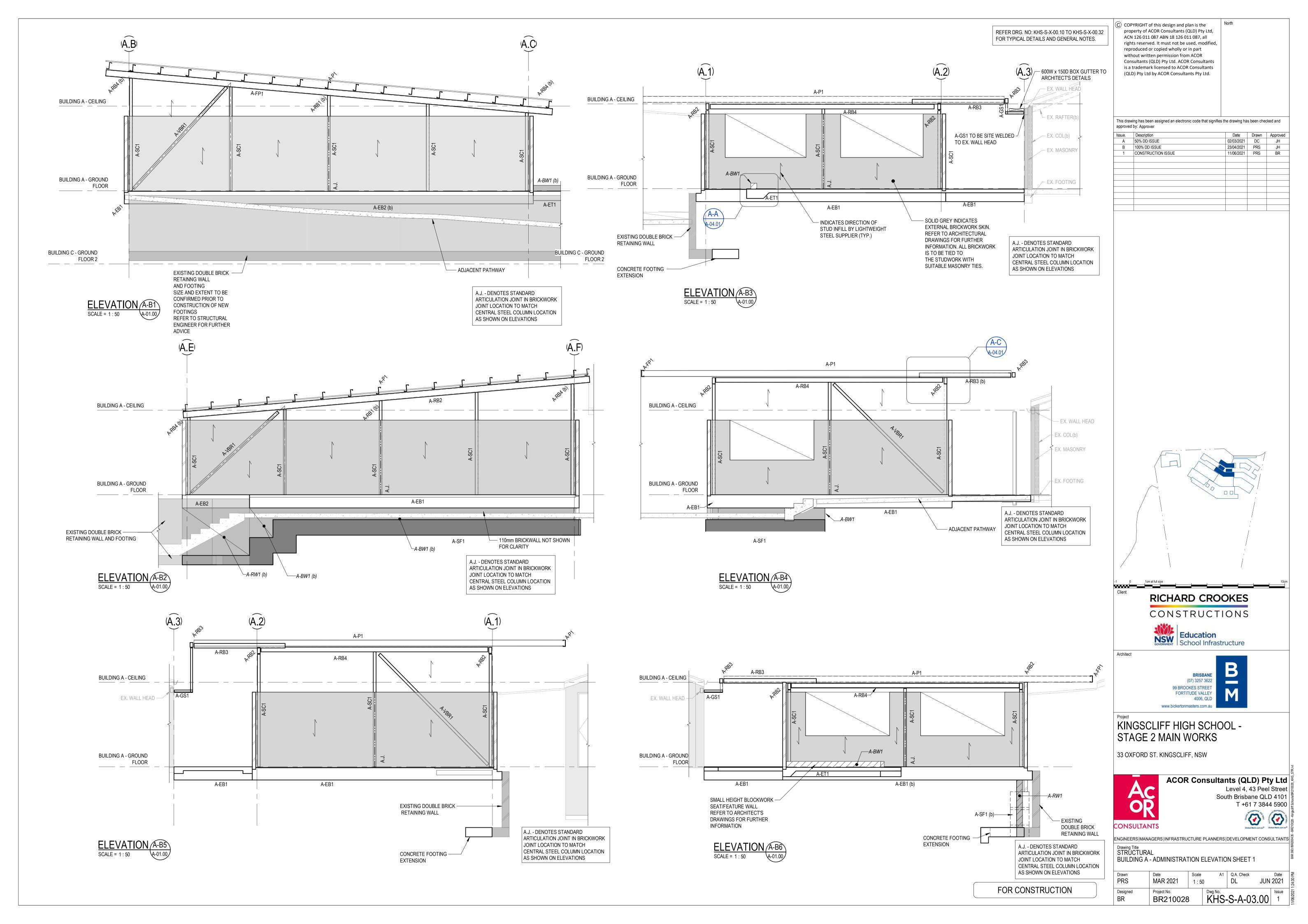
South Brisbane QLD 4101

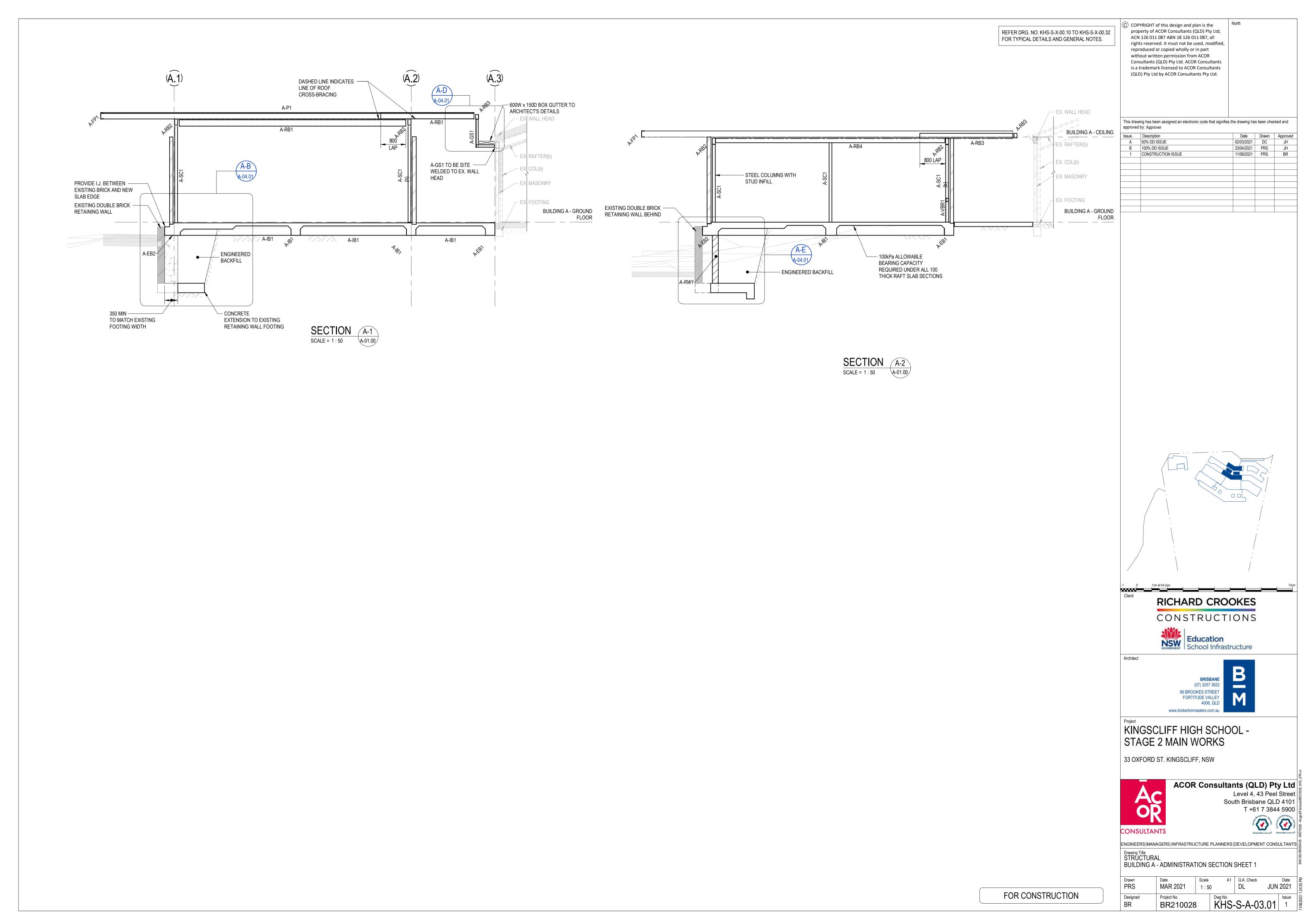


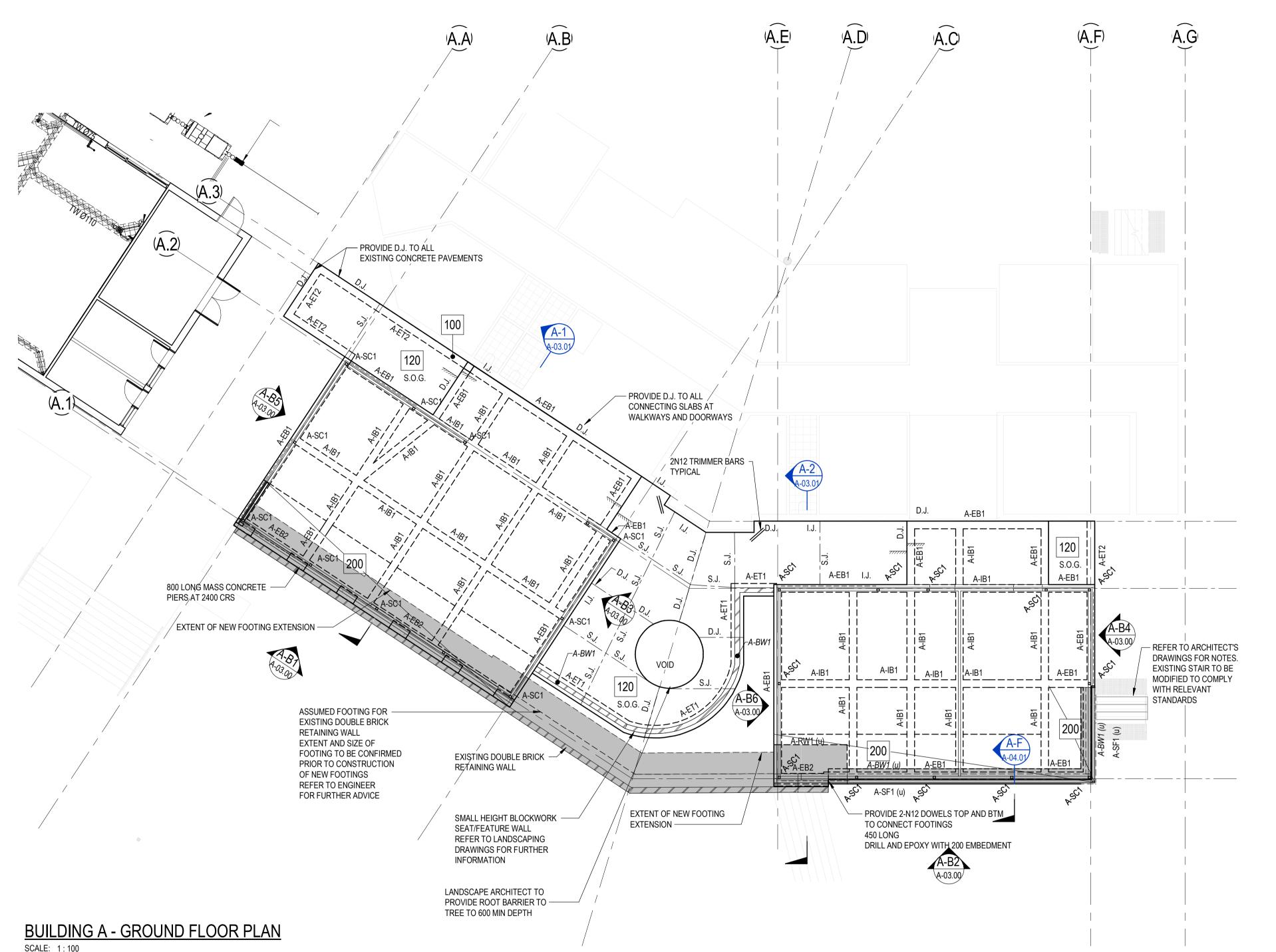
Drawing Title
STRUCTURAL
BUILDING A - ADMINISTRATION DEMOLISHED PLAN

 Drawn PRS
 Date MAR 2021
 Scale 1:100
 A1 DL JUN 2021

 Designed BR
 Project No. BR210028
 Dwg No. KHS-S-A-00.50
 Issue 1







REFER DRG. NO: KHS-S-X-00.10 TO KHS-S-X-00.32 FOR TYPICAL DETAILS AND GENERAL NOTES.

# **LEGEND**

DENOTES SLAB THICKNESS. REFER PLAN FOR THICKNESS.

LOADBEARING ELEMENTS UNDER ARE SHOWN SHADED TYPICALLY

\_\_\_\_\_\_ D.J. \_\_\_\_ DENOTES DOWEL JOINT

DENOTES SAWN JOINT

REFER TO DRG KHS-S-X-00.21 FOR DETAILS.

REFER TO DRG KHS-S-X-00.21 FOR DETAILS.

DENOTES STEEL COLUMN REFER SCHEDULE

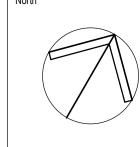
REFER TO DRG KHS-S-A-04.01 FOR DETAILS

PROVIDE 3-N12 TRIMMERS x 2000 LONG. TIED TO THE UNDERSIDE OF MESH AT SLAB

RE-ENTRANT CORNERS, AND AT ALL PENETRATION CORNERS U.N.O.

DENOTES 190 THICK REINFORCED BLOCKWORK RETAINING WALL

ALL STRUCTURAL STEEL FRAMING MEMBERS THAT ARE FULLY OR PARTIALLY LOCATED IN THE ZONE BELOW 500mm ABOVE FFL ARE TO BE FULLY HOT DIP GALVANISED



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

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approved				
ssue.	Description	Date	Drawn	Approved
Α	50% DD ISSUE	02/03/2021	DC	JH
В	100% DD ISSUE	23/04/2021	PRS	JH
1	CONSTRUCTION ISSUE	11/06/2021	PRS	BR
2	CONSTRUCTION ISSUE REVISED	04/08/2021	DJN	JH
3	HDG NOTE ADDED TO BUILDING A	17.11.2021	BR	RS

**SLAB AND REINFORCEMENT NOTES:** 

RAFT SLAB NOTES:

1. 100 THICK CONCRETE SLAB U.N.O.

2. SL92 MESH LAID TOP. REFER BELOW FOR REINFORCEMENT TO 200 THICK SLA 3. CONCRETE BEAMS AS PER SCHEDULE.

4. PROVIDE 50mm BEDDING SAND WITH 0.2mm POLYTHENE SHEETING. REFER T CIVIL ENGINEERING DRAWINGS FOR GROUND PREPARATION REQUIREMENTS

DENOTES 120 THK CONCRETE SLAB ON GROUND ON 0.2mm POLYTHENE SHEETING AND 50mm BEDDING SAND. S.O.G. SL82 MESH LAID TOP. 100kPa ALLOWABLE BEARING CAPACITY TO BE CONFIRMED

DENOTES 200 THICK CONCRETE SLAB WITH SL92 MESH LAID TOP AND BTM

BY A SUITABLY QUALIFIED GEOTECH ENGINEER.

## **FOOTING NOTES:**

REFER TO DRAWINGS X-0010 - X-0011 FOR ALL STRUCTURAL GENERAL NOTES. REFER TO X-0020 FOR FOOTING TYPICAL DETAILS

ALL FALLS, SETDOWNS & WATERPROOFING ARE TO ARCHITECTS DETAILS U.N.O. STRIP FOOTINGS TO BE FOUNDED ON NATURAL SAND WITH MIN 100kPa

ALLOWABLE BEARING CAPACITY. PAD FOOTINGS TO BE FOUNDED 1000mm BELOW NATURAL SAND WITH MIN 100kPa

ALLOWABLE BEARING CAPACITY. RAFT SLAB TO BE CAST ON LEVEL 1 SUPERVISION AS PER CIVIL DRAWINGS. GEOTECH CONDITIONS TO BE CONFIRMED BY A SUITABLY QUALIFIED

GEOTECHNICAL ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.

# **EXCAVATION NOTE**

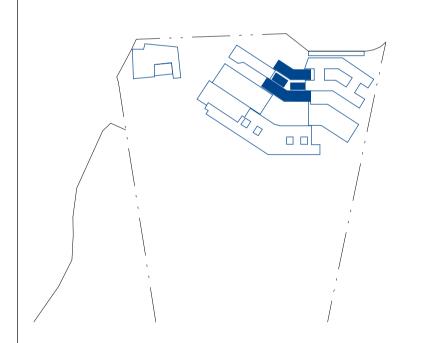
INTEGRITY OF TRENCH WALLS TO BE MAINTAINED DURING EXCAVATION/CONSTRUCTION. PROVIDE SHORING IF REQUIRED.

	BUILDING A - CONCRETE BEAM SCHEDULE						
DEPTH (A) x WIDTH (B)			A) x WIDTH (B)	REINFORCEMENT			
	MARK	Α	В	BOTTOM	TOP	TIES	COMMENTS
	A-EB1	400	300	3L11TM	2N12	R6-900	
	A-EB2	400	500	5L11TM	2N12	R6-900	
	A-ET1	300	500	3-N12	3-N12	R10-600	CURVE TOP AND BTM BARS WHERE NECESSARY
	A-ET2	200	300	3-L11TM	NA	R6-900	
	A-IB1	400	300	3L11TM	NA	R6-900	

BUIL	DING A - STE	EL COLUMN SCHEDULE
MARK	SIZE	COMMENTS
A-SC1	89x89x5.0SHS	STEEL COLUMN

BUILDING A - REINFORCED BLOCKWORK WALL						
		WALL RE	INFORCEMENT			
MARK	SIZE & TYPE	HORIZONTAL	VERTICAL	COMMENTS		
A-BW1	190 BLOCKWORK WALL	N12-400	N12-400	BARS LAID CENTRAL		

BUILDING A - CONCRETE FOOTING SCHEDULE							
	DEPTH (A) x WIDTH (B)						
MARK	Α	В	REINFORCEMENT	COMMENTS			
A-SF1	500	600	3-N12 TOP AND BTM	R10-600 TIES			



**RICHARD CROOKES** CONSTRUCTIONS



Architect



KINGSCLIFF HIGH SCHOOL -STAGE 2 MAIN WORKS

33 OXFORD ST. KINGSCLIFF, NSW



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 A - ADMINSTRATION SLAB PLAN

Drawn	Date	Scale		A1	Q.A. Check		Date
PRS	MAR 2021	As in	dicated		DL	JUN	2021
Designed	Project No.		Dwg N	0.			Issue
BR	BR210028	3	KF	IS-	·S-A-01	1.00	3

REFER DRG. NO: KHS-S-X-00.10 TO KHS-S-X-00.32 FOR TYPICAL DETAILS AND GENERAL NOTES.

# **LEGEND**

Z ZZ ☐ DENOTES NON-LOAD BEARING ELEMENTS UNDER ARE SHOWN TYPICALLY.

DENOTES STEEL COLUMN UNDER



REFER SCHEDULE ON DRG.

REFER TO ARCHITECT'S DRAWINGS FOR ROOF

FALL

SEOT ES

ALL EXPOSED STEEL TO BE HOT DIP GALVANISED

ALL STRUCTURAL STEEL
FRAMING MEMBERS THAT ARE
FULLY OR PARTIALLY LOCATED
IN THE ZONE BELOW 500mm
ABOVE FFL ARE TO BE FULLY
HOT DIP GALVANISED

BUILDING A - STEEL COLUMN SCHEDULE				
MARK	SIZE	COMMENTS		

MARK	SIZE	COMMENTS
A-SC1	89x89x5.0SHS	STEEL COLUMN

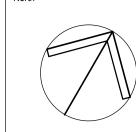
BUILDING A - FRAMING SCHEDULE				
MARK	SIZE AND TYPE	COMMENTS		
A-BR1	Ø20mm BAR	20 DIA ROD WITH TURNBUCKLE		
A-BR2	1mmx30.0	STRAP BRACING SCREW FIXED TO BOTTOM FLANGE OF PURLINS		
A-FP1	C20019	FASCIA PURLIN		
A-GS1	75x75x10EA	L-SHAPED GUTTER SUPPORT AT 1200 MAX CRS		
A-P1	Z20019	900 CRS WITH 2x ROWS OF BRIDGING 1x ROW OF BRIDGING REQUIRED FOR SPAN < 3000 AND CANTILEVER SPANS		
A-RB1	200x100x5.0RHS	ROOF BEAM		
A-RB2	200x100x6.0RHS	ROOF BEAM		
A-RB3	150x100x5.0RHS	ROOF BEAM		
A-RB4	150x150x5.0SHS	ROOF BEAM		
A-VBR1	89x89x5.0SHS	VERTICAL BRACING		

# **FIRE RATING:**

ALL STRUCTURAL STEELWORK MUST MEET FIRE RATING REQUIREMENTS PER BUILDING CERTIFIER. REFER ARCH. FOR SPECIFICATION

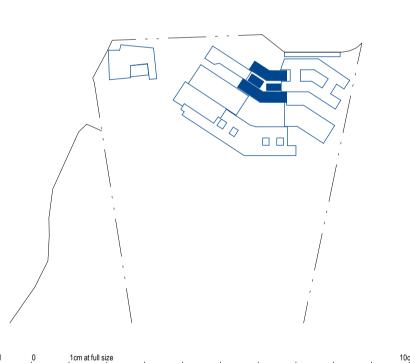
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ssue.	Description	Date	Drawn	Approve
Α	50% DD ISSUE	02/03/2021	DC	JH
В	100% DD ISSUE	23/04/2021	PRS	JH
1	CONSTRUCTION ISSUE	11/06/2021	PRS	BR
2	HDG NOTE ADDED TO BUILDING A	17.11.2021	BR	RS



RICHARD CROOKES



GOVERNMENT



KINGSCLIFF HIGH SCHOOL -STAGE 2 MAIN WORKS

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Drawing Title
STRUCTURAL
BUILDING A - ADMINISTRATION STRUCTURAL FRAMING PLAN

 Drawn PRS
 Date MAR 2021
 Scale As indicated
 A1 DL JUN 2021
 Q.A. Check DL JUN 2021
 Date DL JUN 2021

 Designed BR
 Project No. BR210028
 Dwg No. KHS-S-A-02.00
 Issue 2

