

JORDAN SPRINGS PUBLIC SCHOOL

JORDAN SPRINGS, NSW



DRAWING LIST - DETAILED DESIGN					
Sheet Number	Sheet Name	Scale	Current Revision	Current Revision Date	Discipline
0000 - 0999 - TITLE PAGE/GENERAL INFORMATION					
0000	COVER SHEET / DRAWINGS INDEX	1:100	E	31.05.2019	ARCHITECTURE
1100 - 1199 - SITE PLAN					
1100	PROPOSED SITE AND ROOF PLAN	1:500	G	31.05.2019	ARCHITECTURE
1101	EXISTING SITE PLAN	1:500	A	31.05.2019	ARCHITECTURE
1110	BUILDING COMPLEX GROUND FLOOR PLAN	1:300	B	31.05.2019	ARCHITECTURE
1111	BUILDING COMPLEX FIRST FLOOR PLAN	1:300	B	31.05.2019	ARCHITECTURE
1112	BUILDING COMPLEX ROOF PLAN	1:300	B	31.05.2019	ARCHITECTURE
1120	SITE PLAN - SHADOW - DEC	1:1000	A	31.05.2019	ARCHITECTURE
1121	SITE PLAN - SHADOW - JUNE	1:1000	A	31.05.2019	ARCHITECTURE
2000 - 2099 - GENERAL ARRANGEMENT PLANS					
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2001	FLOOR PLAN - GF - BLOCK A - PART 2	1:100	H	31.05.2019	ARCHITECTURE
2002	FLOOR PLAN - GF - BLOCK B1 - PART 3	1:100	E	31.05.2019	ARCHITECTURE
2003	FLOOR PLAN - GF - BLOCK B2 - PART 4	1:100	E	31.05.2019	ARCHITECTURE
2004	FLOOR PLAN - GF - BLOCK B3 - PART 5	1:100	E	31.05.2019	ARCHITECTURE
2011	FLOOR PLAN - L1 - BLOCK A - PART 2	1:100	H	31.05.2019	ARCHITECTURE
2012	FLOOR PLAN - L1 - BLOCK B1 - PART 3	1:100	E	31.05.2019	ARCHITECTURE
2013	FLOOR PLAN - L1 - BLOCK B2 - PART 4	1:100	E	31.05.2019	ARCHITECTURE
2014	FLOOR PLAN - L1 - BLOCK B3 - PART 5	1:100	E	31.05.2019	ARCHITECTURE
2020	ROOF PLAN - BLOCK C - PART 1	1:100	E	31.05.2019	ARCHITECTURE
2021	ROOF PLAN - BLOCK A - PART 2	1:100	D	31.05.2019	ARCHITECTURE
2022	ROOF PLAN - BLOCK B1 - PART 3	1:100	C	31.05.2019	ARCHITECTURE
2023	ROOF PLAN - BLOCK B2 - PART 4	1:100	C	31.05.2019	ARCHITECTURE
2024	ROOF PLAN - BLOCK B3 - PART 5	1:100	C	31.05.2019	ARCHITECTURE
2030	ROOF PLAN - SCHOOL ENTRY	1:100	C	31.05.2019	ARCHITECTURE
2031	ROOF PLAN - COLA A	1:100	C	31.05.2019	ARCHITECTURE
2032	ROOF PLAN - COLA B	1:100	C	31.05.2019	ARCHITECTURE
2033	ROOF PLAN - COLA C	1:100	C	31.05.2019	ARCHITECTURE
2034	ROOF PLAN - COLA D	1:100	C	31.05.2019	ARCHITECTURE
3000 - 3099 - ELEVATIONS					
3000	BUILDING 'C' ELEVATIONS	1:100	E	31.05.2019	ARCHITECTURE
3001	BUILDING 'A' ELEVATIONS	1:100	E	31.05.2019	ARCHITECTURE
3002	BUILDING 'B1' ELEVATIONS	1:100	D	31.05.2019	ARCHITECTURE
3003	BUILDING 'B2' ELEVATIONS	1:100	D	31.05.2019	ARCHITECTURE
3004	BUILDING 'B3' ELEVATIONS	1:100	D	31.05.2019	ARCHITECTURE
3050	BUILDING 'X' SECTION-ELEVATIONS	1:100	A	31.05.2019	ARCHITECTURE
3051	BUILDING 'B1' SECTION-ELEVATIONS	1:100	A	31.05.2019	ARCHITECTURE
3052	BUILDING 'B2' SECTION-ELEVATIONS	1:100	A	31.05.2019	ARCHITECTURE
3053	BUILDING 'B3' SECTION-ELEVATIONS	1:100	A	31.05.2019	ARCHITECTURE
3100 - 3199 - SECTIONS					
3100	SECTIONS - BLOCK C	1:100	B	31.05.2019	ARCHITECTURE
3101	SECTIONS - BLOCK A	1:100	B	31.05.2019	ARCHITECTURE
3102	SECTIONS - BLOCK B1	1:100	B	31.05.2019	ARCHITECTURE
3103	SECTIONS - BLOCK B2	1:100	B	31.05.2019	ARCHITECTURE
3104	SECTIONS - BLOCK B3	1:100	B	31.05.2019	ARCHITECTURE
3150	STREETSCAPE ELEVATION & SITE SECTIONS	1:300	A	31.05.2019	ARCHITECTURE
Grand total: 42					

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Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	10.04.2019
C	DRAFT DETAILED DESIGN	17.04.2019
D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019

Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title

**JORDAN SPRINGS  
PUBLIC SCHOOL**

Drawing Title

**COVER SHEET /  
DRAWINGS INDEX**

Scale @ A1

Drawing Created (date) 10/05/19

Drawing Created (by) NS

Plotted and checked by FC

Verified MP

Approved MB

Project No Drawing No Issue

180646 JS-AR-0000 E

5/3/2019 3:47:49 PM





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Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	PROGRESS ISSUE	10.05.2019
C	VEHICULAR CROSSINGS INDICATED	13.05.2019
D	PEDESTRIAN CROSSING ADDED	16.05.2019
E	TRAFFIC ISLAND ADDED	17.05.2019
F	GENERALLY AMENDED	22.05.2019
G	SSD SUBMISSION	31.05.2019

#### LEGEND

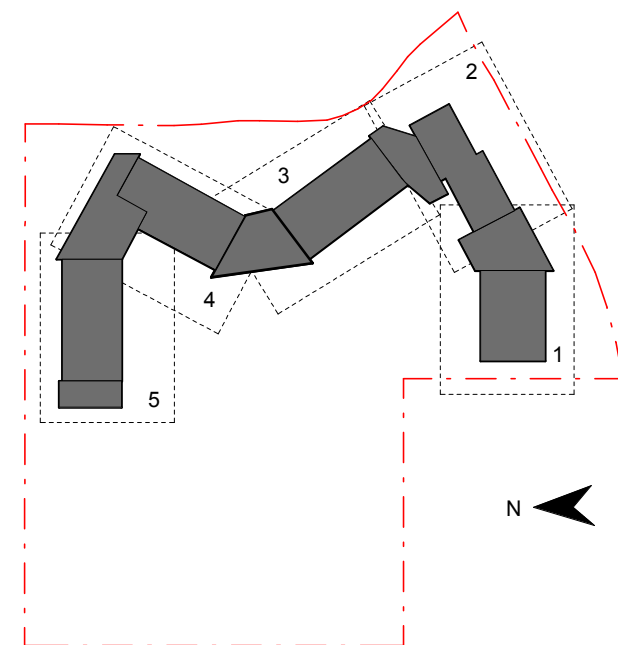
- Site boundary
- Line of bushfire defensible space
- Existing neighbouring buildings
- Main pedestrian entry
- Vehicular entry
- Administration Building entry

#### ZONES

- ADMIN / LIBRARY / CANTEEN
- HALL / OSHC
- HOME BASES

#### NOTES

- Refer to Landscape Architect's plans for planting and fencing locations.
- Refer to Civil Engineer's drawings for pavement and retaining wall details.
- Refer to Bushfire Report for details on defensible space requirements.



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Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**PROPOSED SITE AND**  
**ROOF PLAN**

Scale @ A1

1 : 500

Drawing Created (date)

30/05/2019

Drawing Created (by)

DN

Plotted and checked by

DN

Verified

JS

Approved

MB

Project No

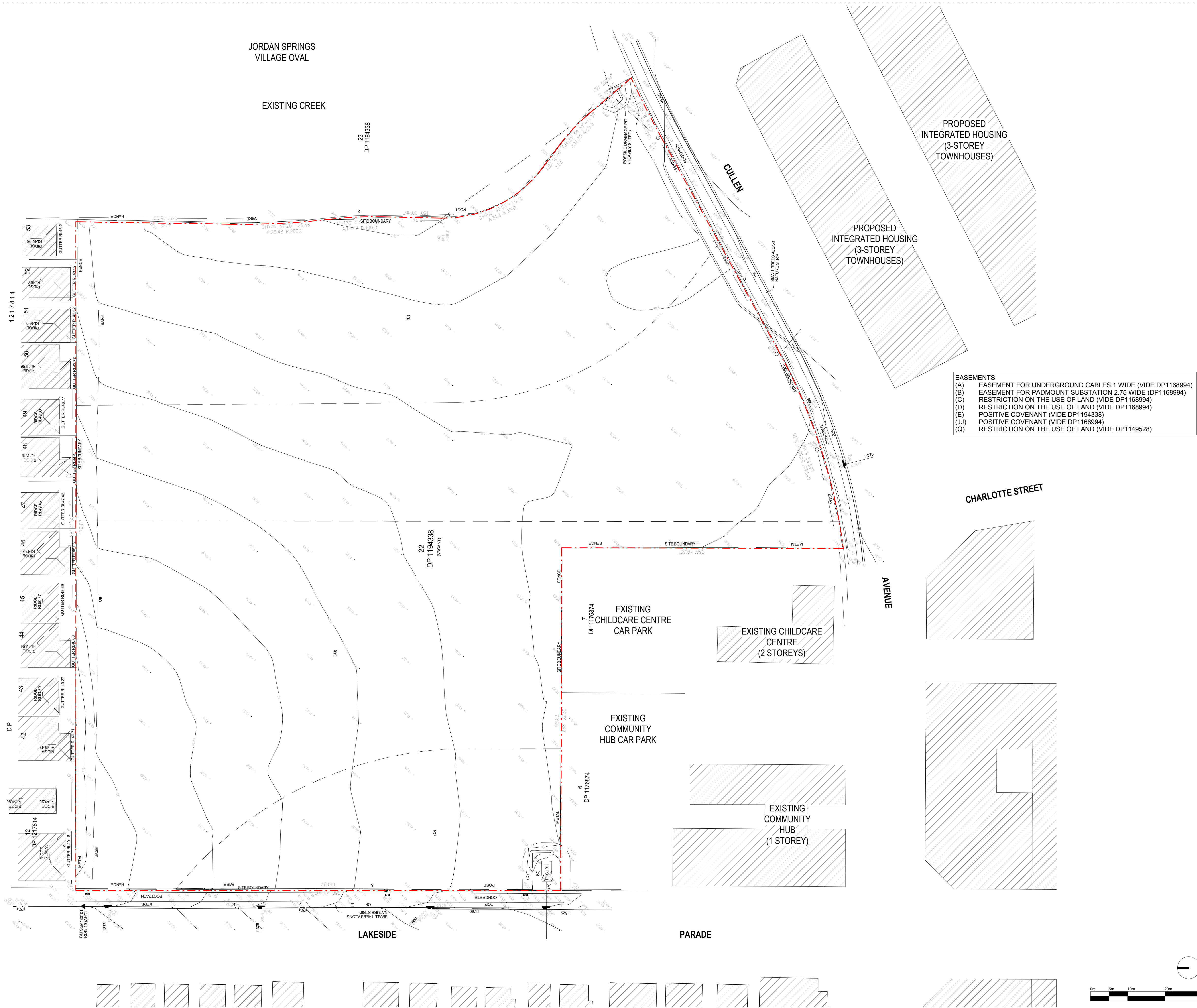
Drawing No

Issue

180646 JS-AR-1100 G

1 SITE AND ROOF PLAN  
1 : 500



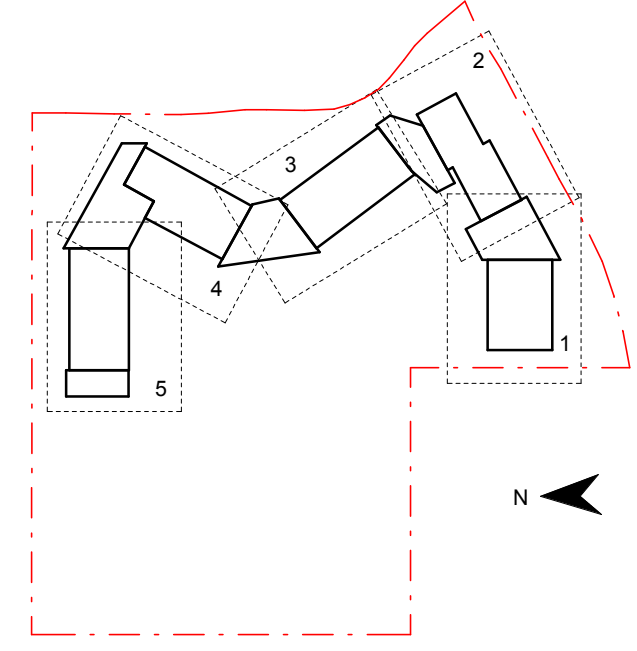


1 EXISTING SITE PLAN  
1:500

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Amendments		Date
Issue	Description	
A	SSD SUBMISSION	31.05.2019

- EASEMENTS
- (A) EASEMENT FOR UNDERGROUND CABLES 1 WIDE (VIDE DP1168994)
  - (B) EASEMENT FOR PADMOUNT SUBSTATION 2.75 WIDE (DP1168994)
  - (C) RESTRICTION ON THE USE OF LAND (VIDE DP1168994)
  - (D) RESTRICTION ON THE USE OF LAND (VIDE DP1168994)
  - (E) POSITIVE COVENANT (VIDE DP1194338)
  - (JJ) POSITIVE COVENANT (VIDE DP1168994)
  - (Q) RESTRICTION ON THE USE OF LAND (VIDE DP1149528)



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Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

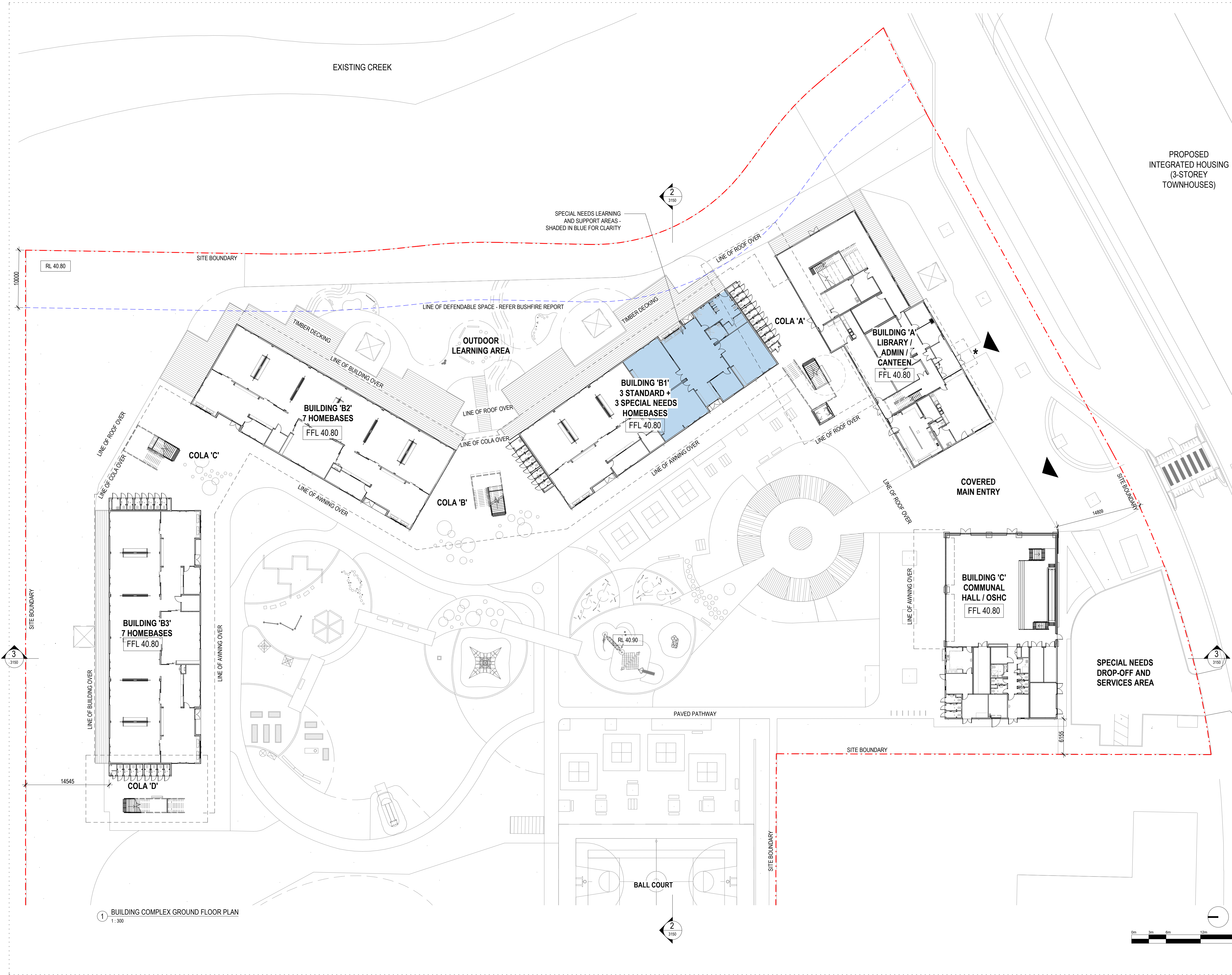
Drawing Title

## EXISTING SITE PLAN

Scale @ A1	1 : 500	
Drawing Created (date)	05/31/19	
Drawing Created (by)	DN	
Plotted and checked by	DN	
Verified	JS	
Approved	MB	
Project No	Drawing No	Issue
180646	JS-AR-1101	A

5/3/2019 3:35:51 PM



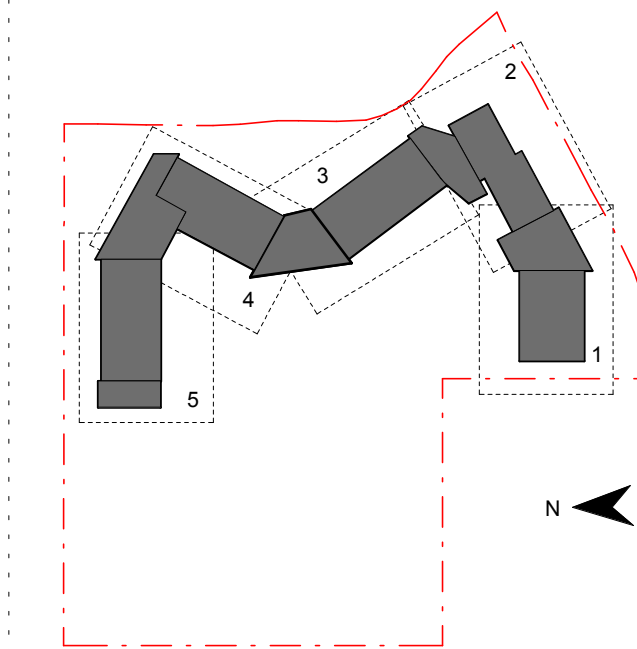


1 BUILDING COMPLEX GROUND FLOOR PLAN  
1:300

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Amendments		
Issue	Description	Date
A	REVISED SUBMISSION	22.05.2019
B	SSD SUBMISSION	31.05.2019

- NOTES
- Refer to Landscape Architect's plans for planting and fencing details.
  - Refer to Civil Engineer's drawings for pavement and retaining wall details.
  - Refer to Bushfire Report for details on defendable space requirements.



Contractor  
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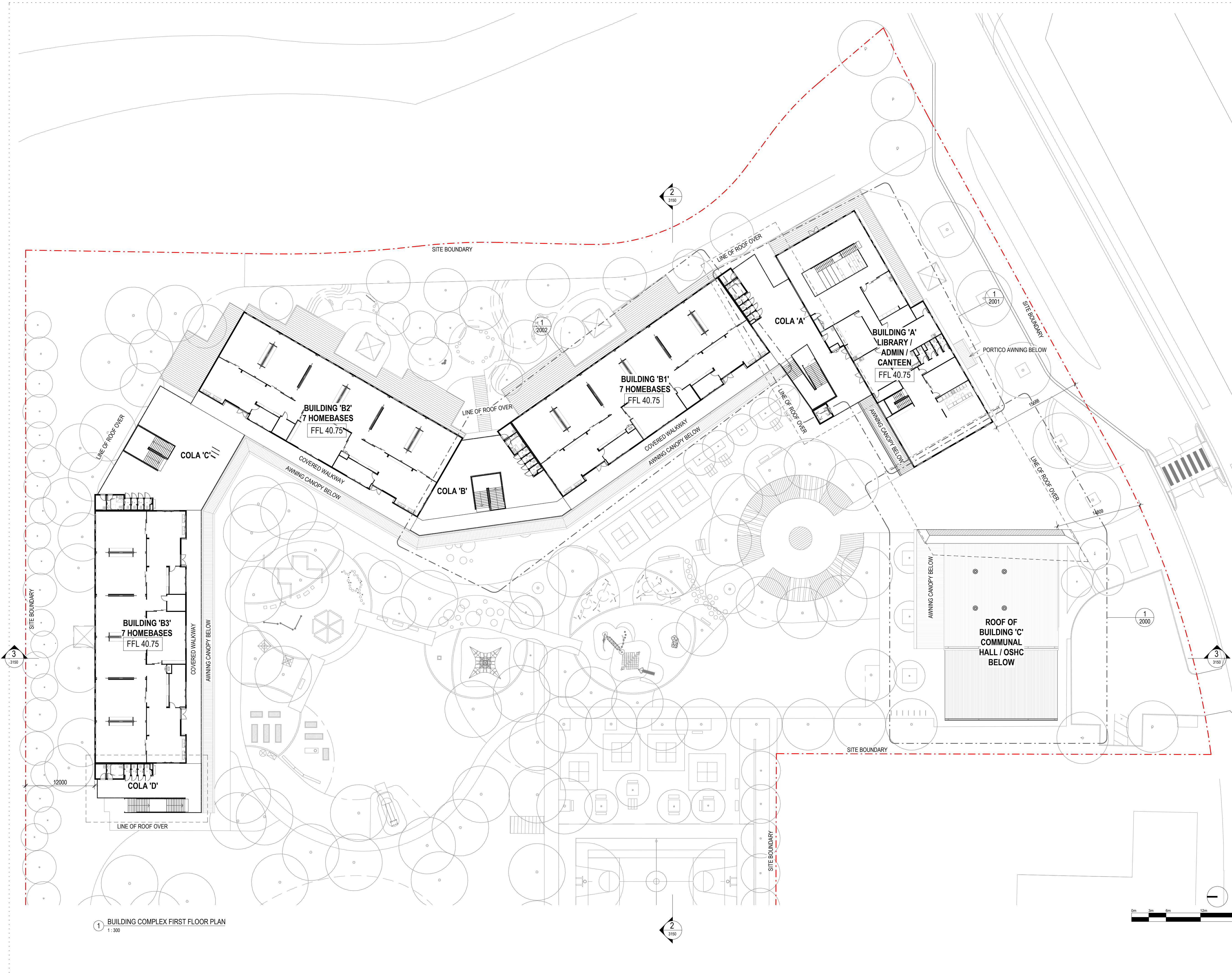
Drawing Title  
**BUILDING COMPLEX  
GROUND FLOOR  
PLAN**

Scale @ A1		1 : 300
Drawing Created (date)		30/05/2019
Drawing Created (by)		DN
Plotted and checked by		DN
Verified		JS
Approved		MB
Project No	Drawing No	Issue

180646 JS-AR-1110 B

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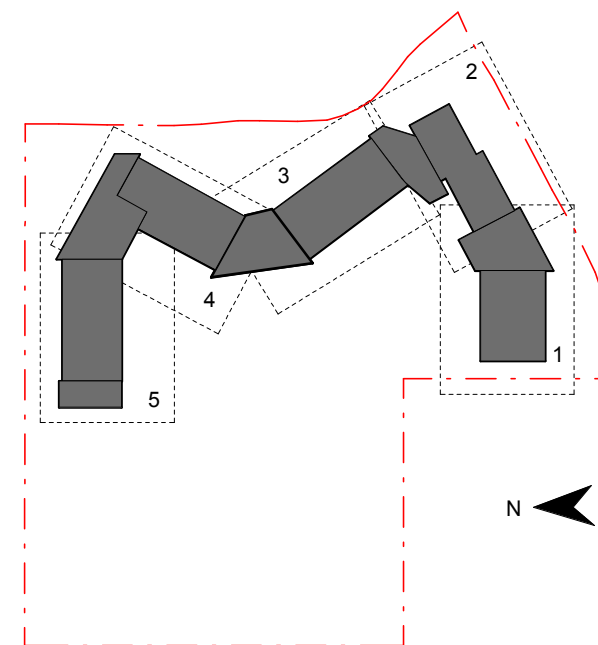




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Issue	Description	Date
A	REVISED SUBMISSION	22.05.2019
B	SSD SUBMISSION	31.05.2019



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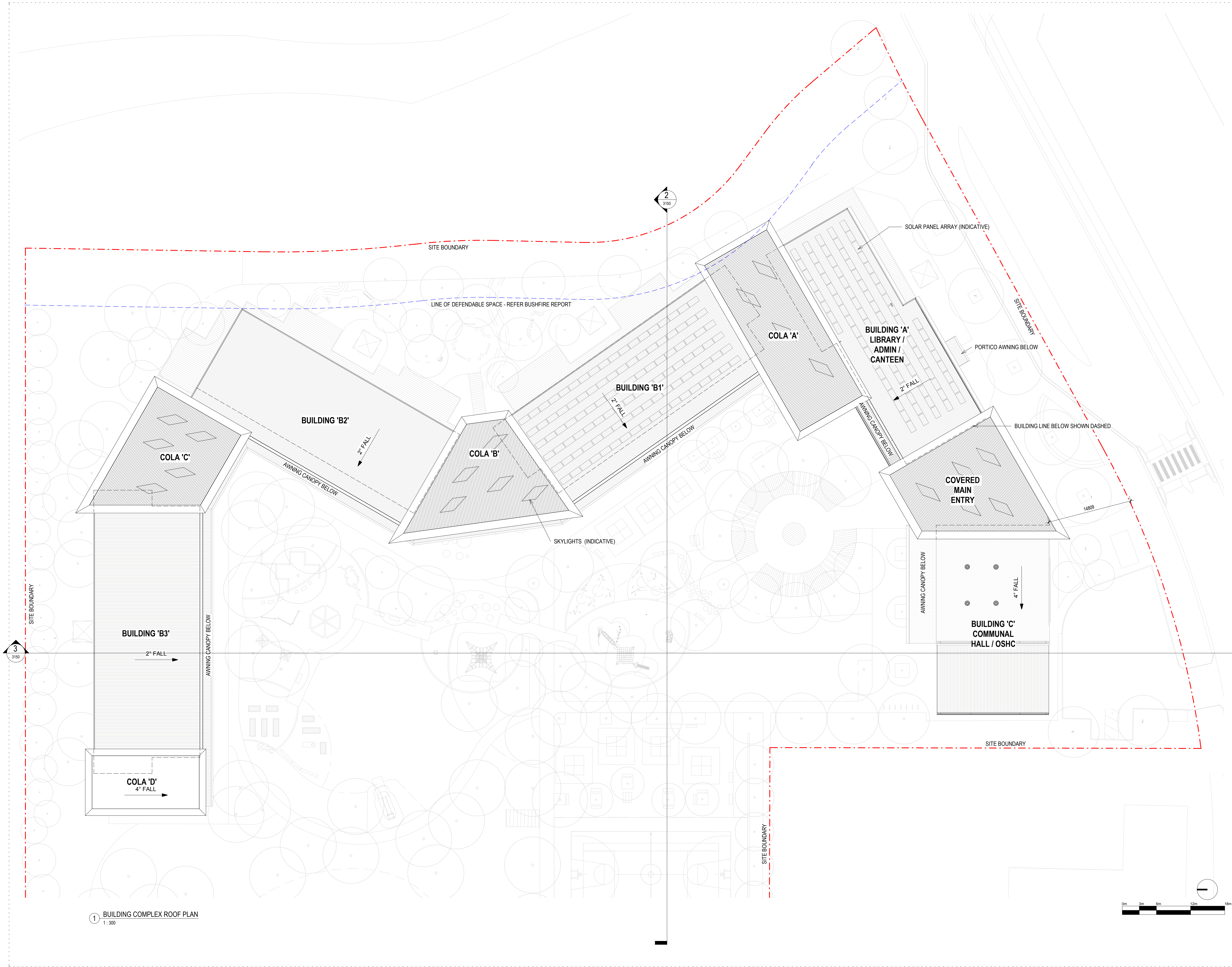
Drawing Title

**BUILDING COMPLEX  
FIRST FLOOR PLAN**

Scale @ A1		1 : 300
Drawing Created (date)		30/05/2019
Drawing Created (by)		DN
Plotted and checked by		DN
Verified		JS
Approved		MB
Project No	Drawing No	Issue

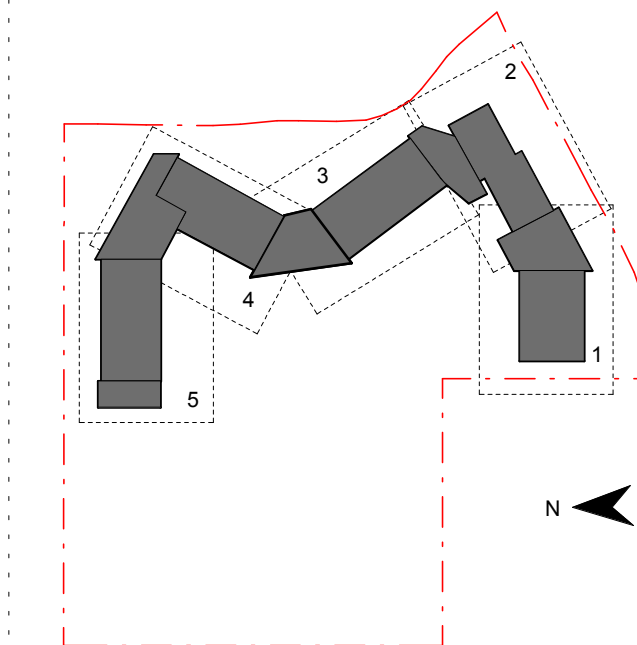
180646 JS-AR-1111 B





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Issue	Description	Date
A	REVISED SUBMISSION	22.05.2019
B	SSD SUBMISSION	31.05.2019



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Project Title  
**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

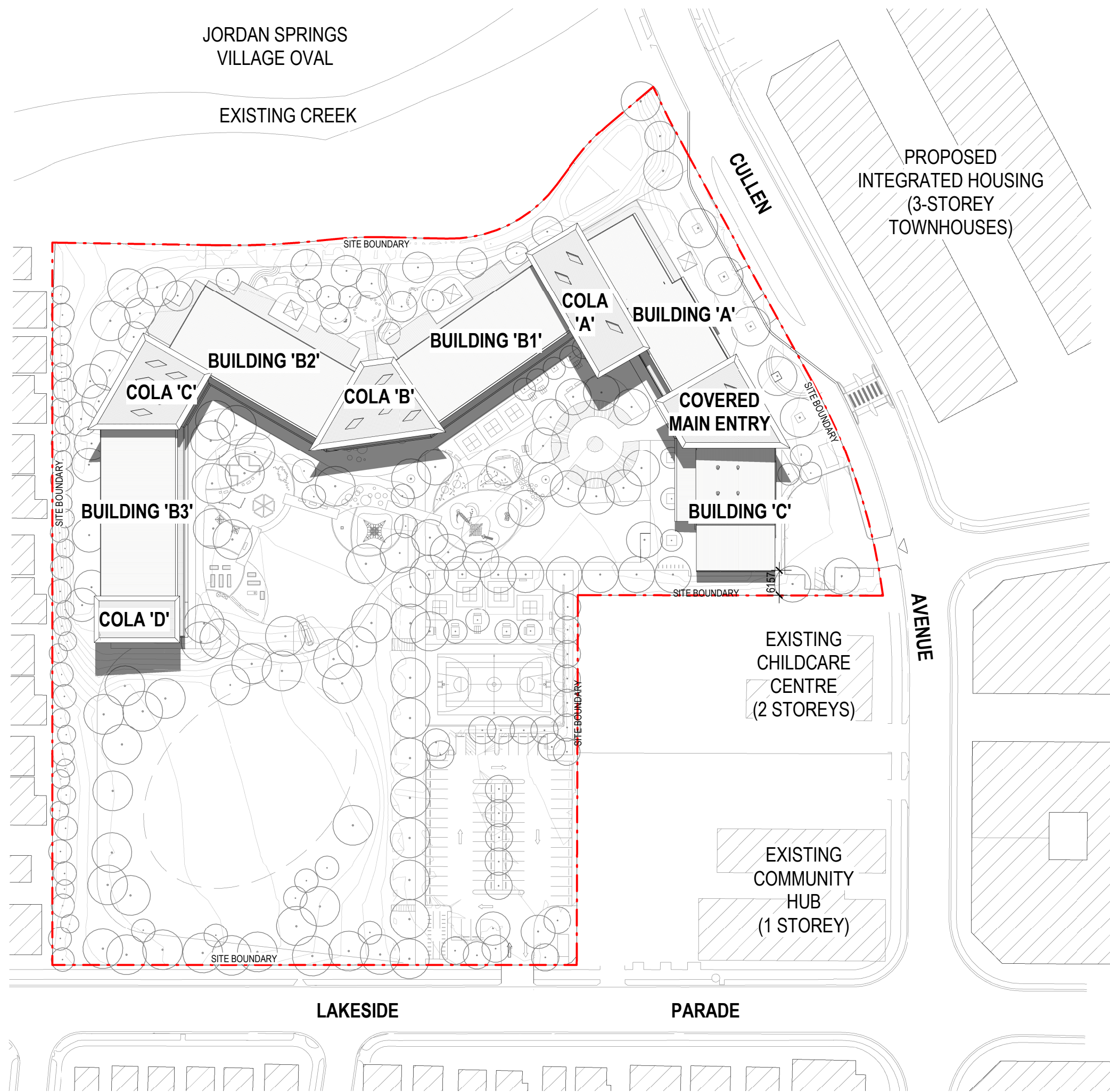
**BUILDING COMPLEX**  
**ROOF PLAN**

Scale @ A1		1 : 300
Drawing Created (date)		30/05/2019
Drawing Created (by)		DN
Plotted and checked by		DN
Verified		JS
Approved		MB
Project No	Drawing No	Issue

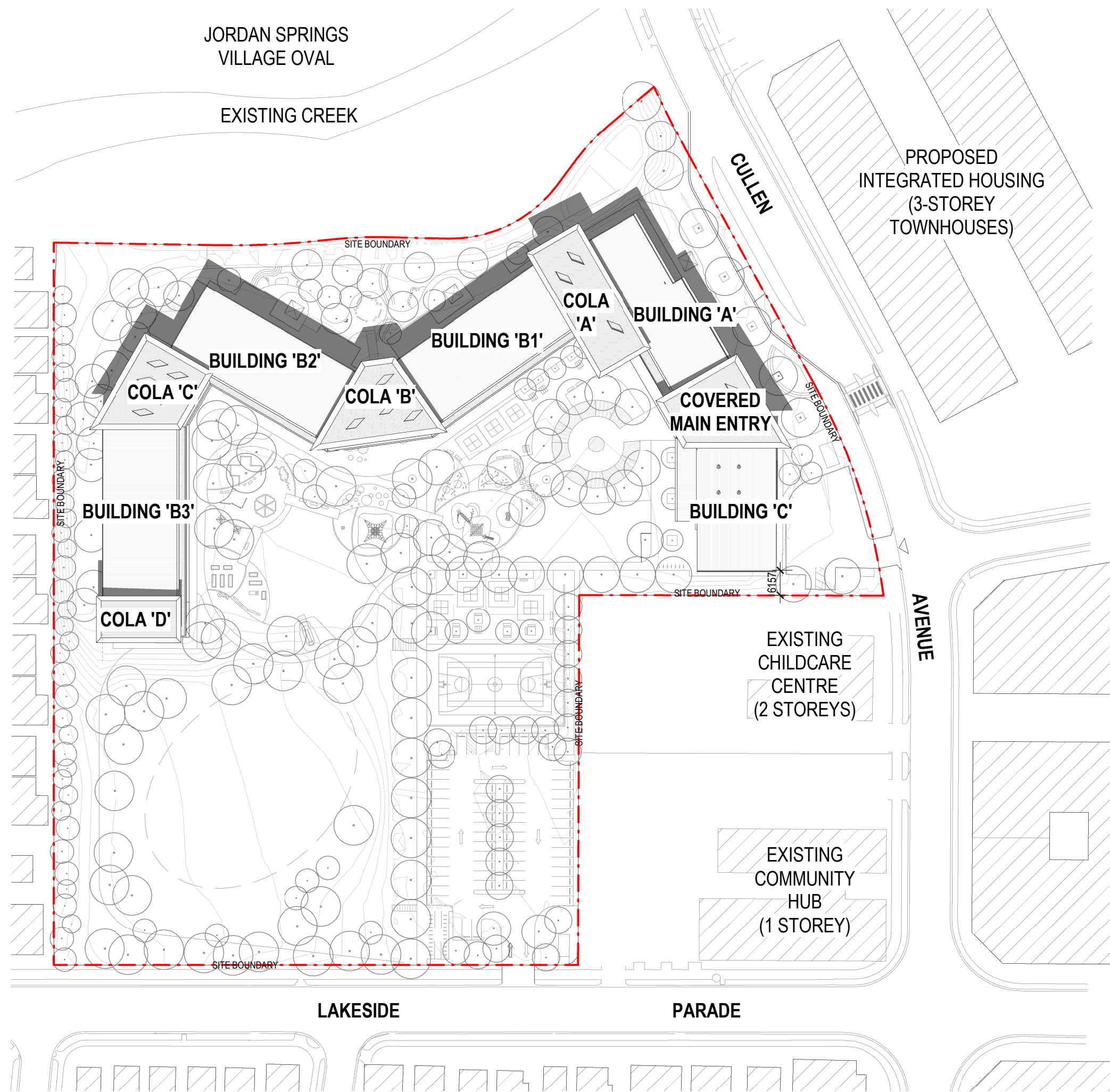
180646 JS-AR-1112 B

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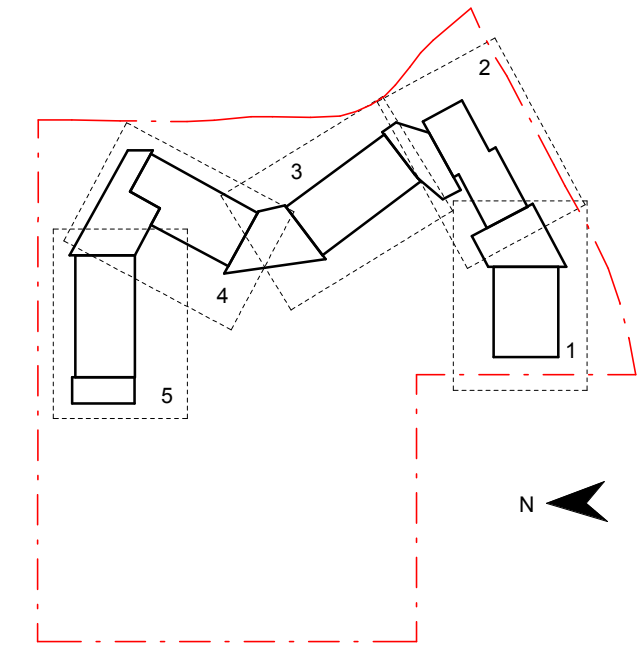
1 SHADOW DIAGRAM - 9AM, 22 DECEMBER  
1: 1000



2 SHADOW DIAGRAM - 3PM, 22 DECEMBER  
1: 1000

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Amendments		
Issue	Description	Date
A	SSD SUBMISSION	31.05.2019



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Project Title  
**JORDAN SPRINGS  
PUBLIC SCHOOL**

Drawing Title

**SITE PLAN - SHADOW  
- DEC**

Scale @ A1 1: 1000

Drawing Created (date) 05/31/19

Drawing Created (by) LO

Plotted and checked by FT

Verified JS

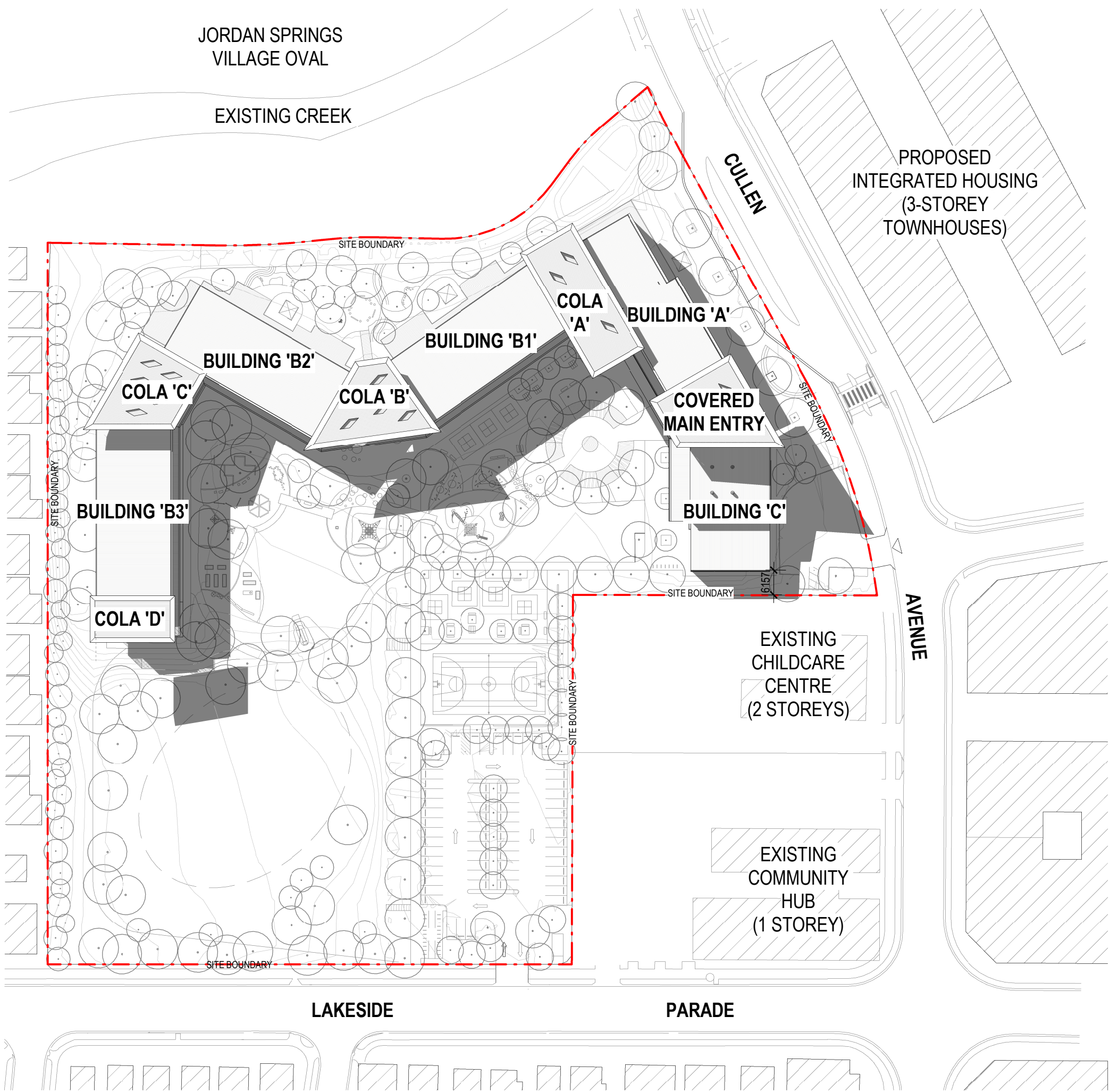
Approved MB

Project No Drawing No Issue

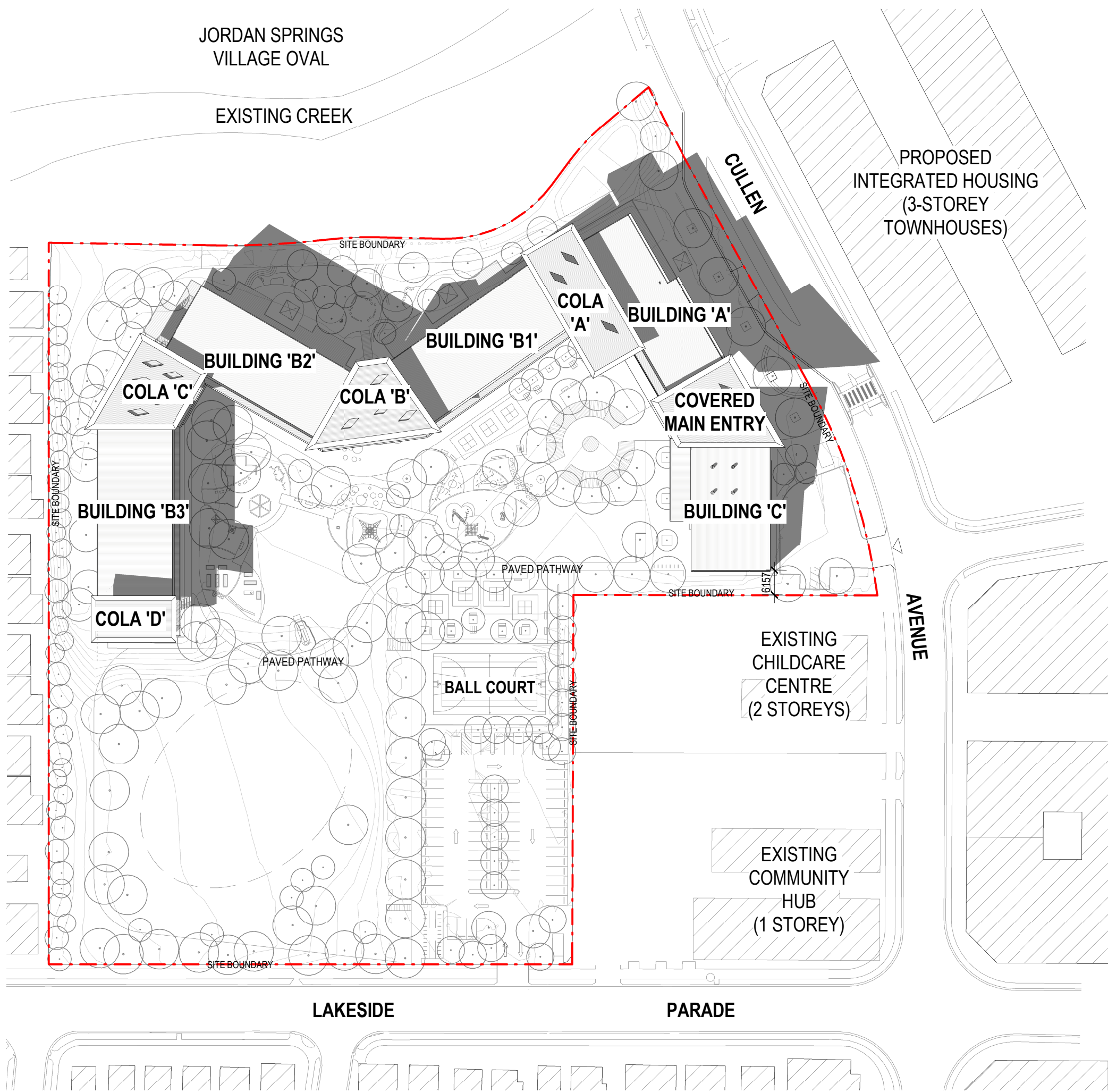
180646 JS-AR-1120 A

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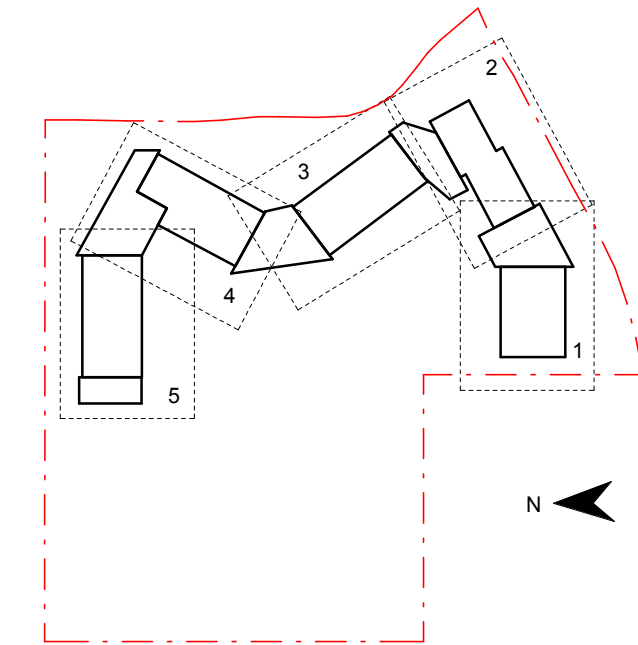
2 SHADOW DIAGRAM - 9AM, 21 JUNE  
1 : 1000



1 SHADOW DIAGRAM - 3PM, 21 JUNE  
1 : 1000

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Issue	Description	
A	SSD SUBMISSION	31.05.2019



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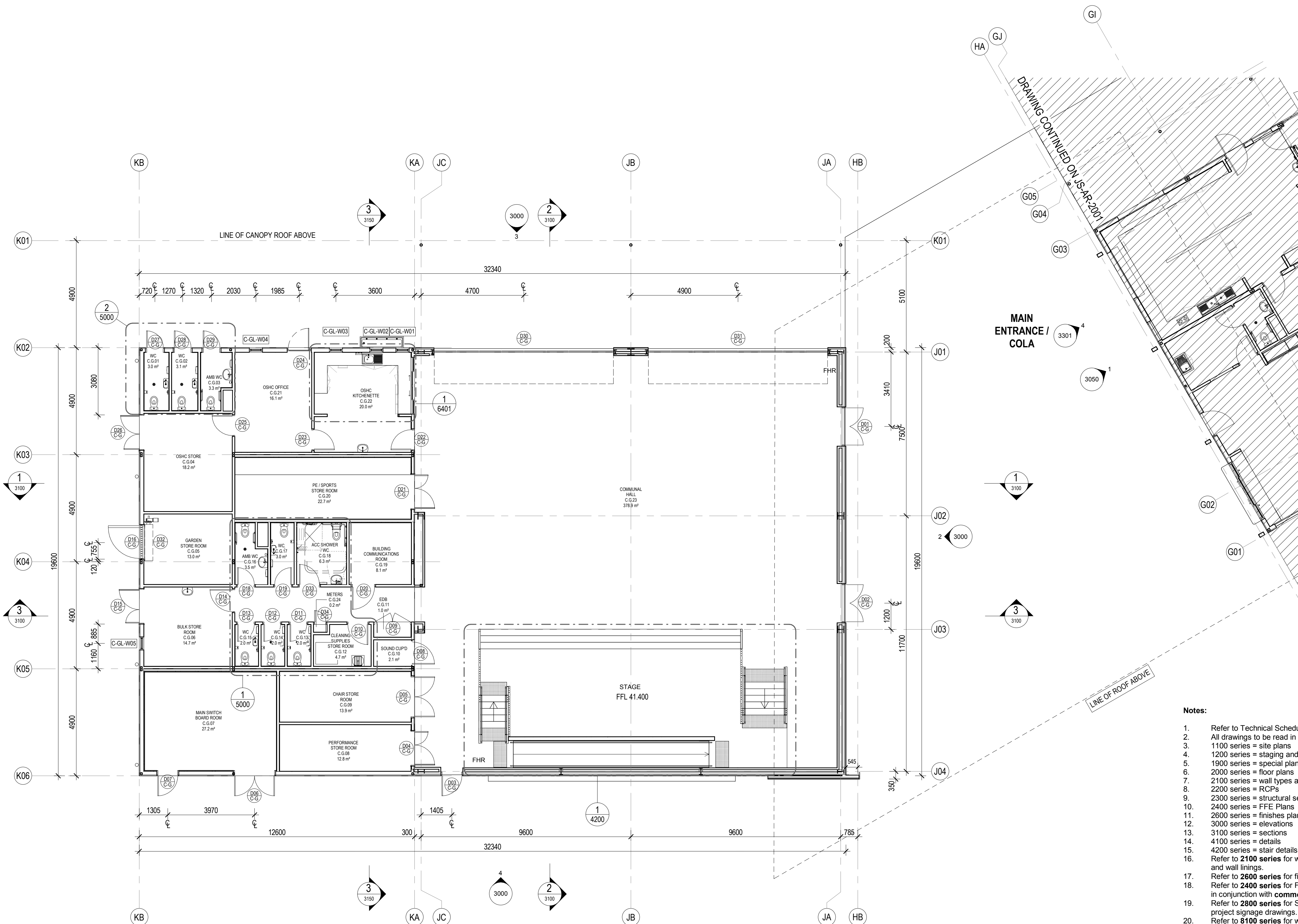
**SITE PLAN - SHADOW  
- JUNE**

Scale @ A1		1 : 1000
Drawing Created (date)		05/31/19
Drawing Created (by)		LO
Plotted and checked by		FT
Verified		JS
Approved		MB
Project No	Drawing No	Issue

180646 JS-AR-1121 A

5/31/2019 3:27 PM





- Notes:
1. Refer to Technical Schedule **COM-AR-9700** for finishes and materials codes
  2. All drawings to be read in conjunction with **common** project set of documentation
  3. 1100 series = site plans
  4. 1200 series = staging and site setout plans
  5. 1900 series = special plans (fire etc)
  6. 2000 series = floor plans
  7. 2100 series = wall types and setout
  8. 2200 series = RCPs
  9. 2300 series = structural setout plans
  10. 2400 series = FFE Plans
  11. 2600 series = finishes plans
  12. 3000 series = elevations
  13. 3100 series = sections
  14. 4100 series = details
  15. 4200 series = stair details
  16. Refer to **2100 series** for wall setouts and common project **9100 series** for wall types and wall linings.
  17. Refer to **2600 series** for finishes plans.
  18. Refer to **2400 series** for FFE details and layouts and for Joinery locations. To be read in conjunction with **common project 9500 series** joinery drawings.
  19. Refer to **2800 series** for Signage locations to be read in conjunction with common project signage drawings.
  20. Refer to **8100 series** for window schedule and **3300 series** for facade set outs. Refer to common project 9200 series for window types, sizes and sill heights.
  21. Refer to **5100 series** for special area drawings showing detailed room setouts.
  22. Refer to door schedule **AR-8000** for door types and sizes and common project **9200 series** for door types and door hardware schedule **AR-8100**.
  23. Refer to services engineers details for services layout and details.
  24. Refer also to Civil engineers drawings and Landscape drawings for External works
  25. Refer to Modscape documentation for all details to modular buildings

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A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	10.04.2019
C	DRAFT DETAILED DESIGN	17.04.2019
D	DRAFT DETAILED DESIGN	24.04.2019
E	DRAFT DETAIL DESIGN	01.05.2019
F	DOORS GENERALLY AMENDED	Date 11
G	PROGRESS ISSUE	10.05.2019
H	SSD SUBMISSION	31.05.2019

Legend

- D01 Door number
- C-G Window number
- 1 0300 Detail callout
- GF-001 Room number
- L01 Louvre number
- 0240 Internal elevation
- 3000 External elevation
- 1 3000 External elevation

N

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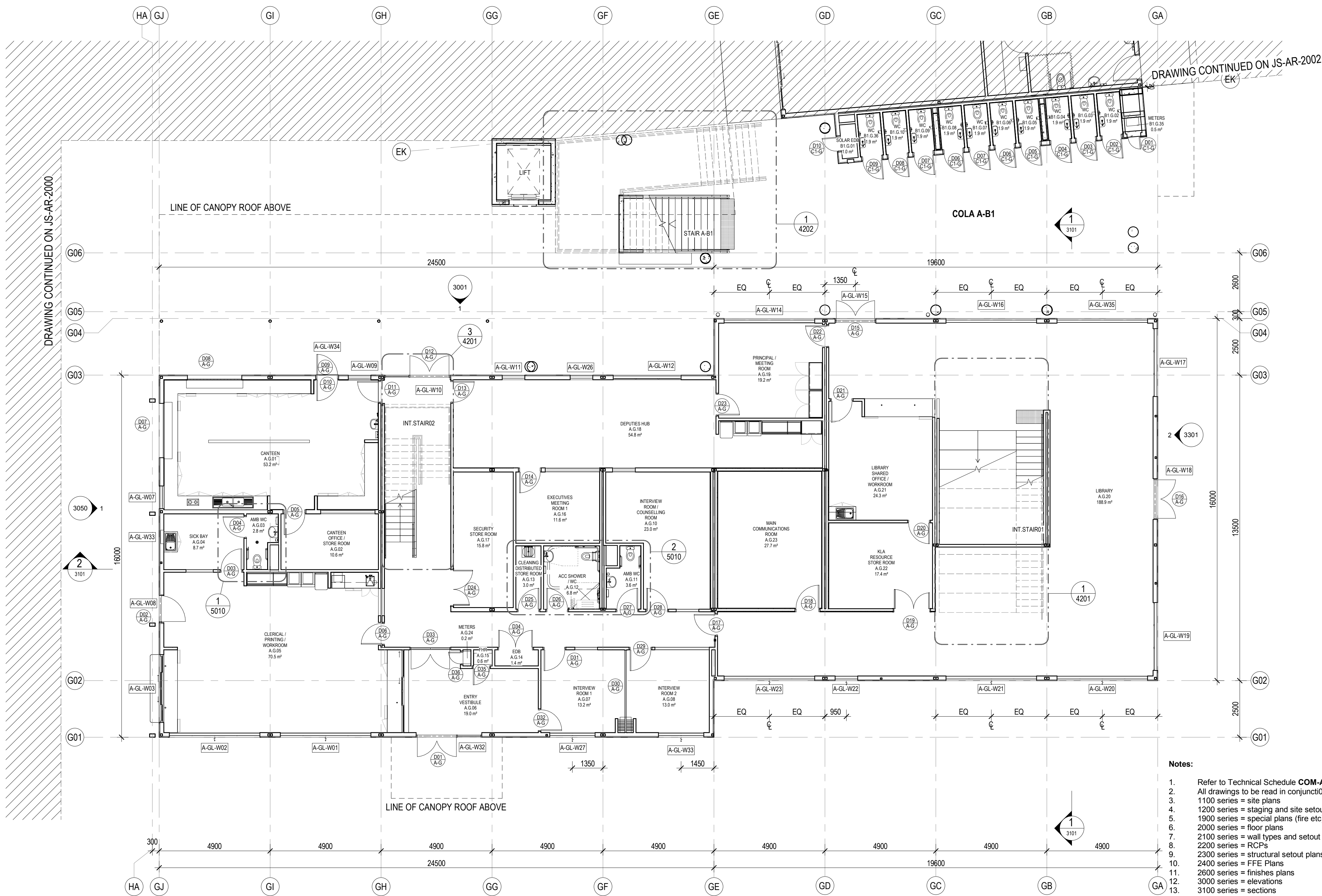
Drawing Title

**FLOOR PLAN - GF - BLOCK C - PART 1**

Scale @ A1		As indicated
Drawing Created (date)		31.05.2019
Drawing Created (by)		NS
Plotted and checked by		FT
Verified		MP
Approved		MB
Project No	Drawing No	Issue
180646	JS-AR-2000	H

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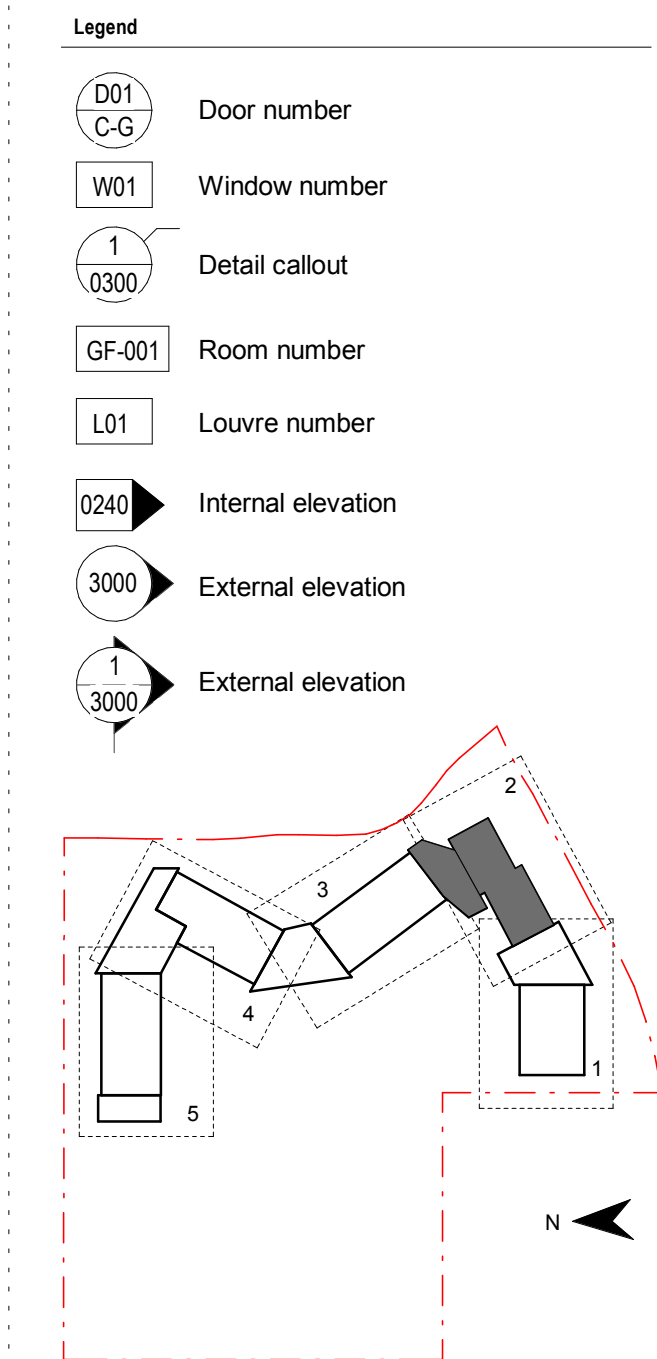




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B	DRAFT DETAILED DESIGN	17.04.2019
C	DRAFT DETAILED DESIGN	24.04.2019
D	DRAFT DETAILED DESIGN	01.05.2019
E	AMENDED AS INDICATED	06.05.2019
F	PROGRESS ISSUE	10.05.2019
G	DOOR REINSTATED	14.05.2019
H	SSD SUBMISSION	31.05.2019



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

Client  
**NSW Education**

**GROUP GSA**  
Group GSA Pty Ltd ABN 76 002 113 779  
Level 7, 80 William St East Sydney NSW  
Australia 2011  
www.groupgsa.com

T +612 9361 4144 F +612 9332 3458  
architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

Drawing Title

**FLOOR PLAN - GF - BLOCK A - PART 2**

Scale @ A1		As indicated
Drawing Created (date)		31.05.2019
Drawing Created (by)		NS
Plotted and checked by		FT
Verified		MP
Approved		MB
Project No	Drawing No	Issue

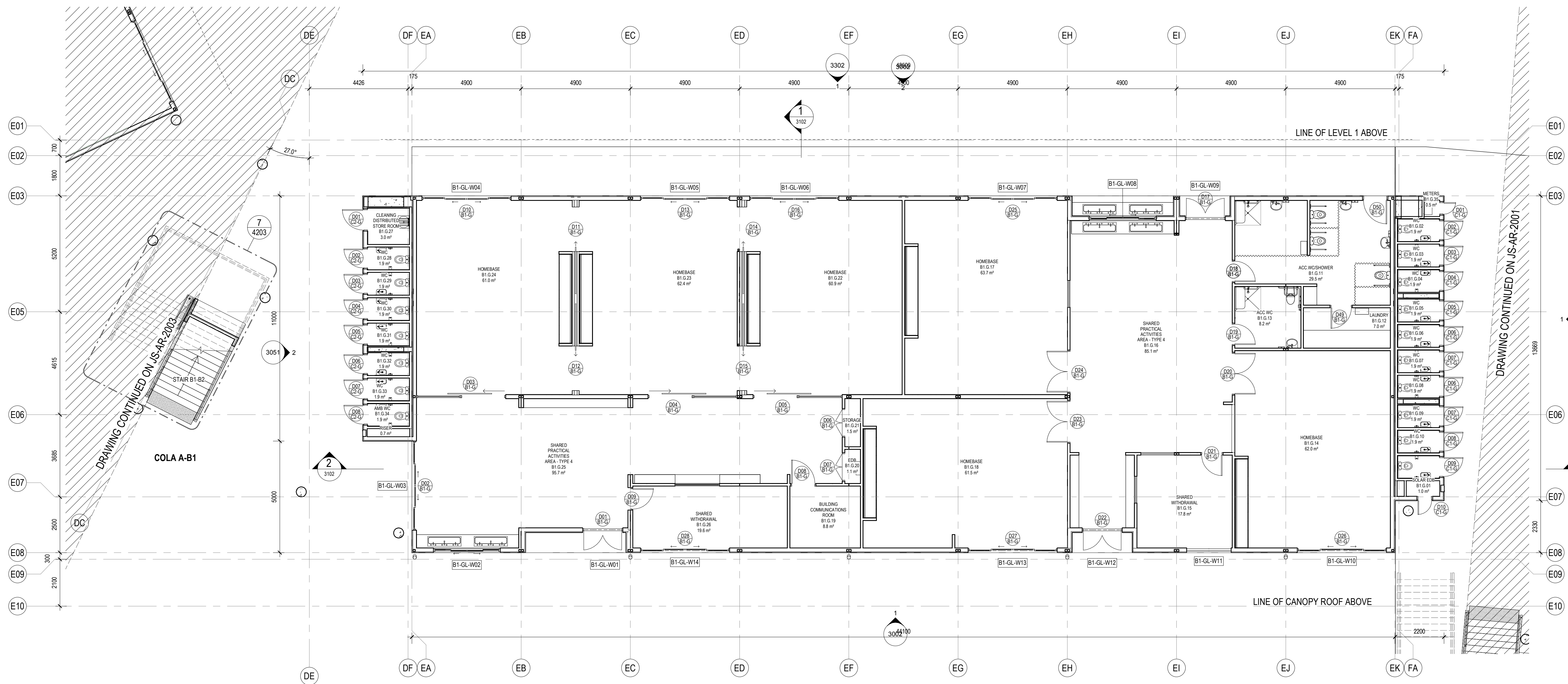
180646 JS-AR-2001 H

- Notes:
1. Refer to Technical Schedule **COM-AR-9700** for finishes and materials codes
  2. All drawings to be read in conjunction with **common** project set of documentation
  3. 1100 series = site plans
  4. 1200 series = staging and site setout plans
  5. 1900 series = special plans (fire etc)
  6. 2000 series = floor plans
  7. 2100 series = wall types and setout
  8. 2200 series = RCPs
  9. 2300 series = structural setout plans
  10. 2400 series = FFE Plans
  11. 2600 series = finishes plans
  12. 3000 series = elevations
  13. 3100 series = sections
  14. 4100 series = details
  15. 4200 series = stair details
  16. Refer to **2100 series** for wall setouts and common project **9100 series** for wall types and wall linings.
  17. Refer to **2600 series** for finishes plans.
  18. Refer to **2400 series** for FFE details and layouts and for Joinery locations. To be read in conjunction with **common project 9500 series** joinery drawings.
  19. Refer to **2800 series** for Signage locations to be read in conjunction with common project signage drawings.
  20. Refer to **8100 series** for window schedule and **3300 series** for facade set outs. Refer to common project 9200 series for window types, sizes and sill heights.
  21. Refer to **5100 series** for special area drawings showing detailed room setouts.
  22. Refer to door schedule **AR-8000** for door types and sizes and common project **9200 series** for door types and door hardware schedule **AR-8100**.
  23. Refer to services engineers details for services layout and details.
  24. Refer also to Civil engineers drawings and Landscape drawings for External works
  25. Refer to Modscape documentation for all details to modular buildings

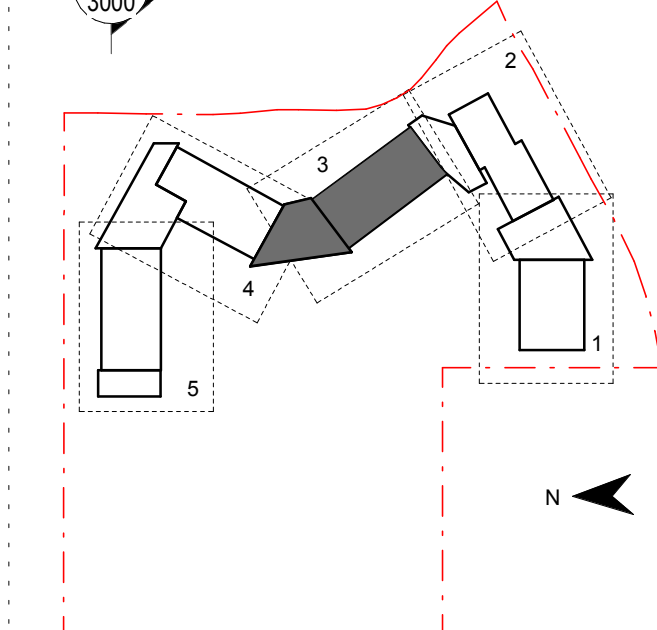


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5. All dimensions shall be verified on site before proceeding.  
6. Any areas indicated on this sheet are approximate and indicative only.

Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	24.04.2019
C	DRAFT DETAIL DESIGN	01.05.2019
D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019



Legend	
	Door number
	Window number
	Detail callout
	Room number
	Louvre number
	Internal elevation
	External elevation



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

Client  
**NSW GOVERNMENT Education**

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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

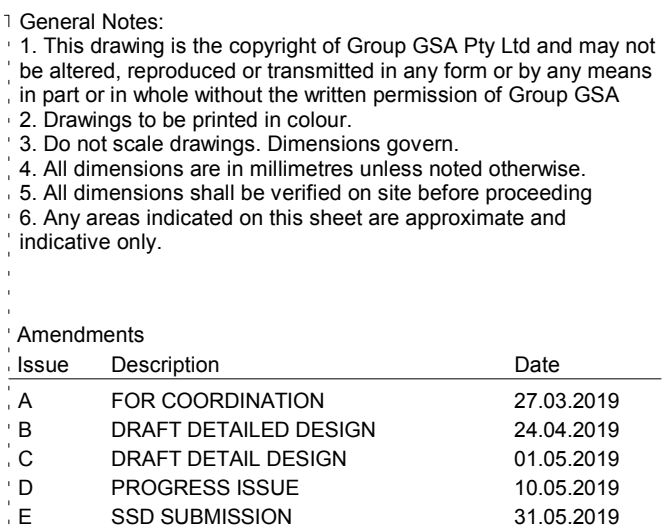
Drawing Title

**FLOOR PLAN - GF - BLOCK B1 - PART 3**

Scale @ A1		As indicated
Drawing Created (date)		10/05/19
Drawing Created (by)		NS
Plotted and checked by		FT
Verified		MP
Approved		MB
Project No	Drawing No	Issue
180646	JS-AR-2002	E









- Notes:
- Refer to Technical Schedule **COM-AR-9700** for finishes and materials codes
  - All drawings to be read in conjunction with common project set of documentation
  - 1100 series = site plans
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  - Refer to services engineers details for services layout and details.
  - Refer also to Civil engineers drawings and Landscape drawings for External works
  - Refer to Modscape documentation for all details to modular buildings

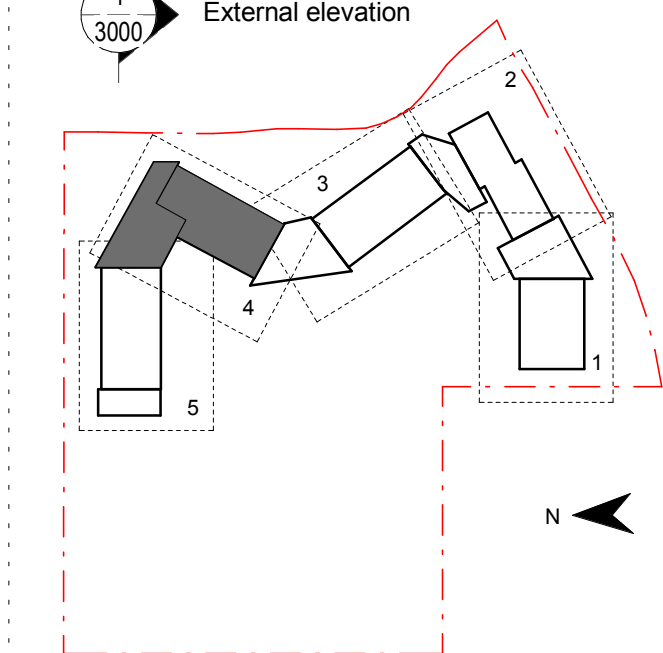




Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	24.04.2019
C	DRAFT DETAIL DESIGN	01.05.2019
D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019

Legend

- |   |                    |
|---|--------------------|
|  | Door number        |
|  | Window number      |
|  | Detail callout     |
|  | Room number        |
|  | Louvre number      |
|  | Internal elevation |
|  | External elevation |
|  | External elevation |



Contractor

**RICHARD CROOKES**  
CONSTRUCTIONS

- Client



## Education

**GROUP GSA**

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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title

JORDAN SPRINGS  
PUBLIC SCHOOL

Drawing Title

FLOOR PLAN - GF -  
BLOCK B2 - PART 4

Scale @ A1 As indicated

Drawing Created (date) 10/05/15

Drawing Created (by) FO

Plotted and checked by \_\_\_\_\_ F

Verified

Approved	ME
----------	----

Applicant	Age	Gender	Marital Status	Education	Occupation	Income	Assets	Liabilities	Net Worth
John Doe	35	Male	Married	High School	Construction Worker	\$25,000	\$10,000	\$15,000	\$10,000
Jane Smith	42	Female	Single	College	Teacher	\$30,000	\$5,000	\$25,000	\$25,000
Robert Johnson	55	Male	Married	University	Software Engineer	\$75,000	\$20,000	\$55,000	\$55,000
Emily White	28	Female	Single	College	Marketing Executive	\$45,000	\$15,000	\$30,000	\$30,000
Michael Brown	60	Male	Married	High School	Retired	\$15,000	\$5,000	\$10,000	\$10,000
Sarah Davis	38	Female	Married	College	Healthcare Worker	\$35,000	\$10,000	\$25,000	\$25,000
David Miller	48	Male	Married	University	Business Owner	\$60,000	\$15,000	\$45,000	\$45,000
Olivia Wilson	25	Female	Single	College	Graduate Student	\$10,000	\$2,000	\$8,000	\$8,000
James Taylor	50	Male	Married	High School	Truck Driver	\$20,000	\$5,000	\$15,000	\$15,000
Ava Martinez	32	Female	Single	College	Software Developer	\$50,000	\$10,000	\$40,000	\$40,000
Benjamin Lee	65	Male	Married	University	Retired	\$10,000	\$5,000	\$5,000	\$5,000
Isabella Garcia	22	Female	Single	High School	Student	\$5,000	\$1,000	\$4,000	\$4,000
Ethan Hall	40	Male	Married	College	Manager	\$40,000	\$10,000	\$30,000	\$30,000
Sophia King	30	Female	Single	College	Analyst	\$35,000	\$5,000	\$30,000	\$30,000
Lucas Scott	58	Male	Married	High School	Truck Driver	\$20,000	\$5,000	\$15,000	\$15,000
Mia Adams	27	Female	Single	College	Marketing Executive	\$40,000	\$10,000	\$30,000	\$30,000
Noah Baker	62	Male	Married	University	Retired	\$10,000	\$5,000	\$5,000	\$5,000
Charlotte Nelson	33	Female	Married	College	Healthcare Worker	\$35,000	\$10,000	\$25,000	\$25,000
Liam Hill	45	Male	Married	High School	Truck Driver	\$20,000	\$5,000	\$15,000	\$15,000
Aria Young	29	Female	Single	College	Software Developer	\$45,000	\$10,000	\$35,000	\$35,000
Caleb Allen	52	Male	Married	University	Business Owner	\$55,000	\$15,000	\$40,000	\$40,000
Harper Wright	37	Female	Married	College	Healthcare Worker	\$35,000	\$10,000	\$25,000	\$25,000
Wyatt Lopez	67	Male	Married	High School	Retired	\$10,000	\$5,000	\$5,000	\$5,000
Evelyn Green	24	Female	Single	College	Graduate Student	\$10,000	\$2,000	\$8,000	\$8,000
Grayson King	41	Male	Married	College	Manager	\$40,000	\$10,000	\$30,000	\$30,000
Skylar Hall	31	Female	Single	College	Analyst	\$35,000	\$5,000	\$30,000	\$30,000
Julian Adams	59	Male	Married	High School	Truck Driver	\$20,000	\$5,000	\$15,000	\$15,000
Kennedy Baker	26	Female	Single	College	Marketing Executive	\$40,000	\$10,000	\$30,000	\$30,000
Isaac Nelson	63	Male	Married	University	Retired	\$10,000	\$5,000	\$5,000	\$5,000
Madelyn Hill	34	Female	Married	College	Healthcare Worker	\$35,000	\$10,000	\$25,000	\$25,000
Leo Young	46	Male	Married	High School	Truck Driver	\$20,000	\$5,000	\$15,000	\$15,000
Stella Allen	36	Female	Single	College	Software Developer	\$45,000	\$10,000	\$35,000	\$35,000
Maxwell Wright	53	Male	Married	University	Business Owner	\$55,000	\$15,000	\$40,000	\$40,000
Valentina Lopez	38	Female	Married	College	Healthcare Worker	\$35,000	\$10,000	\$25,000	\$25,000
Julius Green	68	Male	Married	High School	Retired	\$10,000	\$5,000	\$5,000	\$5,000
Isabella King	23	Female	Single	High School	Student	\$5,000	\$1,000	\$4,000	\$4,000
Grayson Hall	42	Male	Married	College	Manager	\$40,000	\$10,000	\$30,000	\$30,000
Aria Adams	32	Female	Single	College	Analyst	\$35,000	\$5,000	\$30,000	\$30,000
Caleb Baker	57	Male	Married	High School	Truck Driver	\$20,000	\$5,000	\$15,000	\$15,000
Harper Nelson	28	Female	Single	College	Marketing Executive	\$40,000	\$10,000		

Project No	Drawing No	Issue

180646 JS-AR-2003 E

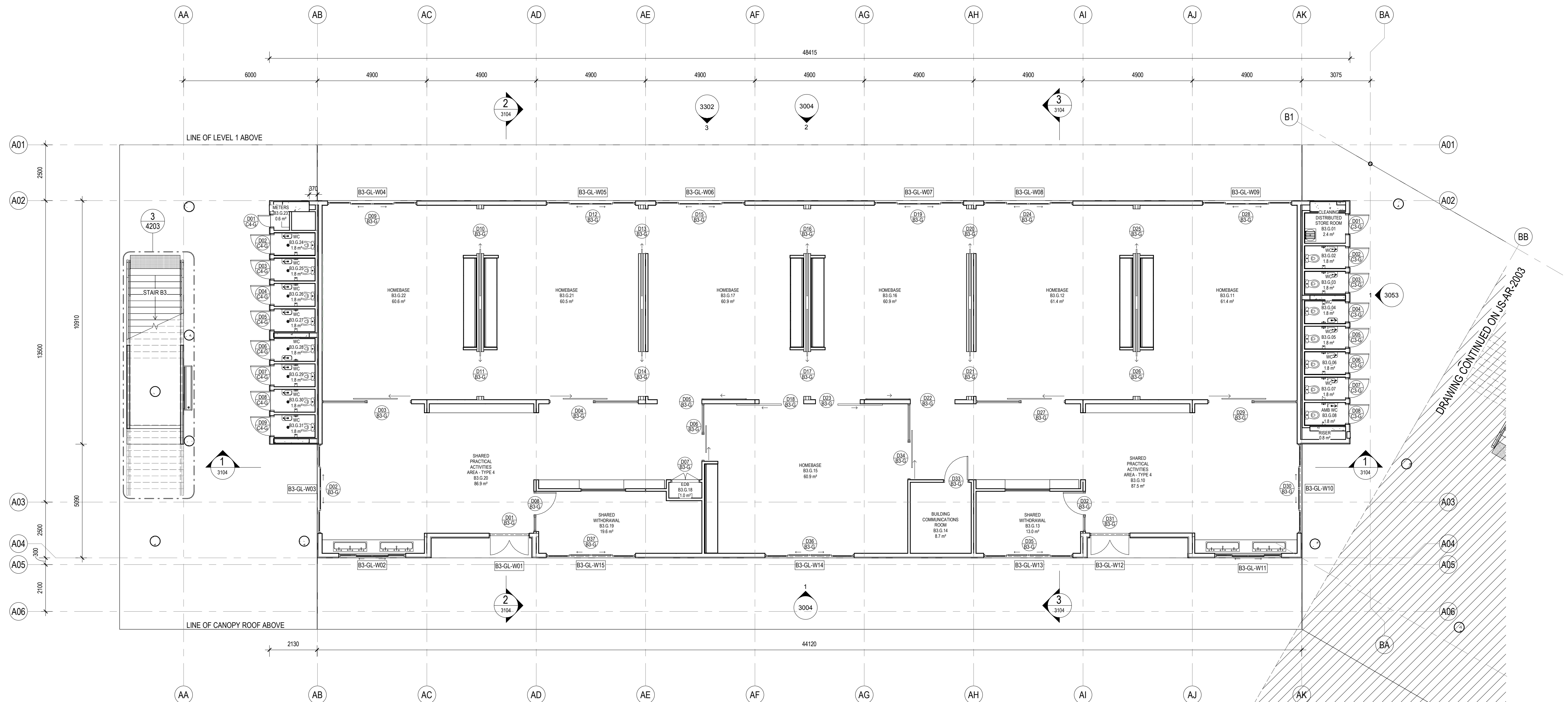
## Notes:

1. Refer to Technical Schedule **COM-AR-9700** for finishes and materials codes
2. All drawings to be read in conjunction with **common** project set of documentation
3. 1100 series = site plans
4. 1200 series = staging and site setout plans
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24. Refer also to Civil engineers drawings and Landscape drawings for External works
25. Refer to Moodscape documentation for all details to modular buildings



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Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	24.04.2019
C	DRAFT DETAIL DESIGN	01.05.2019
D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019

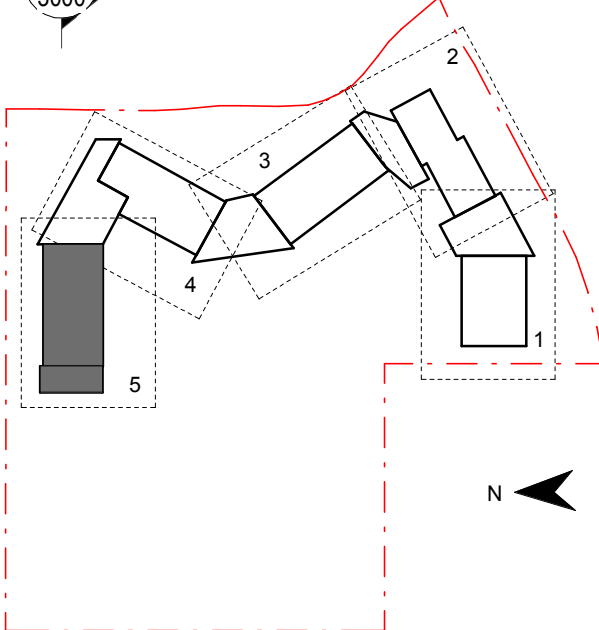


#### Notes:

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- All drawings to be read in conjunction with **common** project set of documentation
- 1100 series = site plans
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#### Legend

- Door number
- Window number
- Detail callout
- Room number
- Louvre number
- Internal elevation
- External elevation
- External elevation



Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**FLOOR PLAN - GF -**  
**BLOCK B3 - PART 5**

Scale @ A1 As Indicated

Drawing Created (date) 10/05/19

Drawing Created (by) FC

Plotted and checked by FT

Verified MP

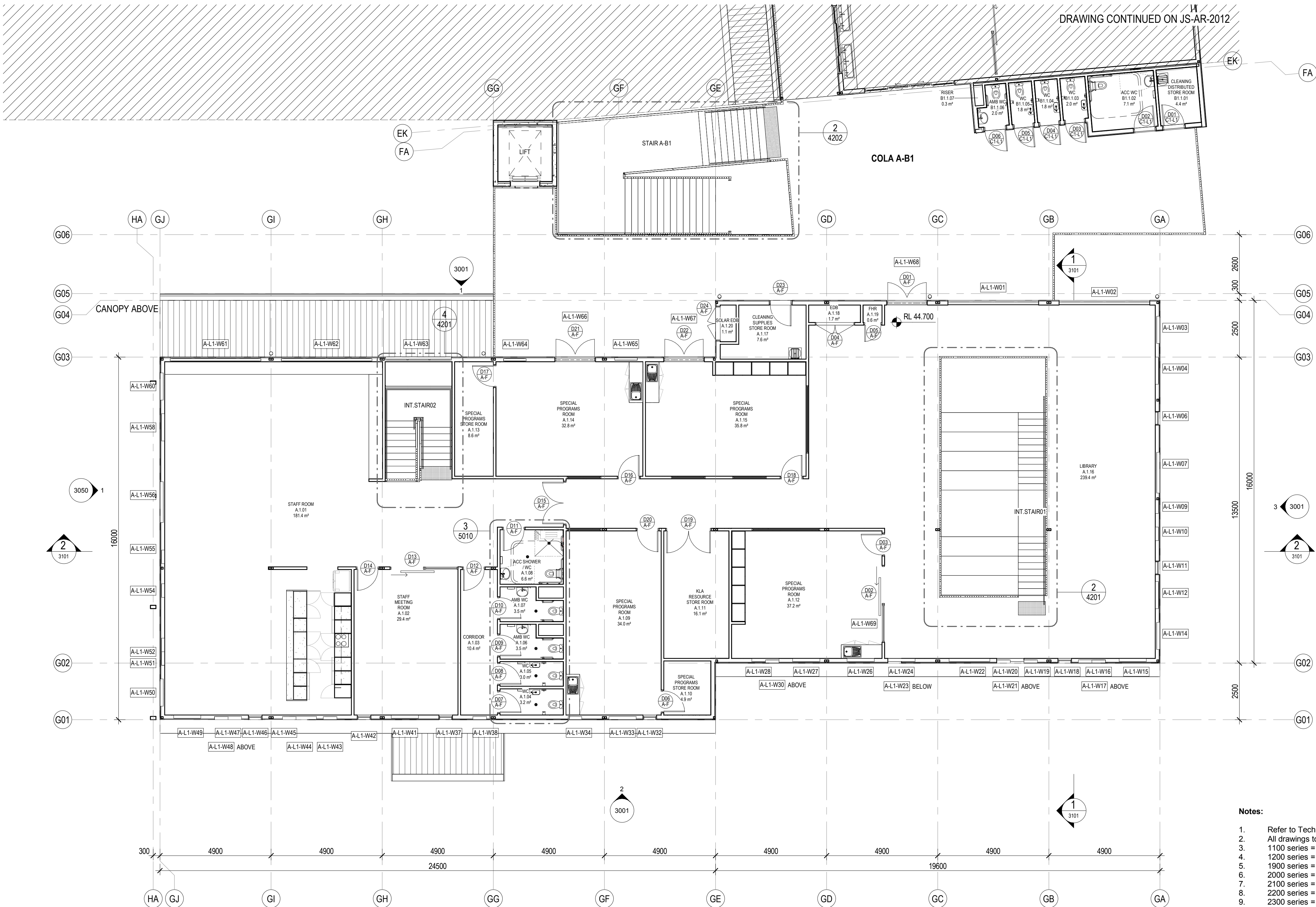
Approved MB

Project No Drawing No Issue

180646 JS-AR-2004 E

5/3/2019 3:38:16 PM





Notes:

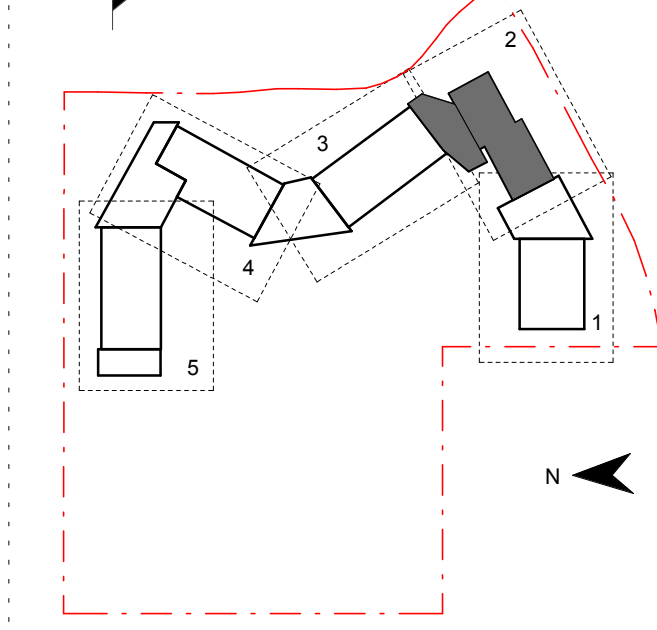
- Refer to Technical Schedule **COM-AR-9700** for finishes and materials codes
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- 1200 series = staging and site setup plans
- 1900 series = special plans (fire etc)
- 2000 series = floor plans
- 2100 series = wall types and setup
- 2200 series = RCPs
- 2300 series = structural setup plans
- 2400 series = FFE Plans
- 2600 series = finishes plans
- 3000 series = elevations
- 3100 series = sections
- 4100 series = details
- 4200 series = stair details
- Refer to **2100 series** for wall setups and common project **9100 series** for wall types and wall linings.
- Refer to **2600 series** for finishes plans.
- Refer to **2400 series** for FFE details and layouts and for Joinery locations. To be read in conjunction with **common project 9500 series** joinery drawings.
- Refer to **2800 series** for Signage locations to be read in conjunction with common project signage drawings.
- Refer to **8100 series** for window schedule and **3300 series** for facade set outs. Refer to common project 9200 series for window types, sizes and sill heights.
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- Refer to door schedule **AR-8000** for door types and sizes and common project **9200 series** for door types and door hardware schedule **AR-8100**.
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Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	17.04.2019
C	DRAFT DETAILED DESIGN	24.04.2019
D	DRAFT DETAILED DESIGN	01.05.2019
E	PROGRESS ISSUE	10.05.2019
F	DOOR REINSTATED	14.05.2019
G	DOOR HEIGHTS AMENDED	28.05.2019
H	SSD SUBMISSION	31.05.2019

Legend

- Door number
- Window number
- Detail callout
- Room number
- Louvre number
- Internal elevation
- External elevation
- External elevation



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

Client  
**NSW Education**

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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

FLOOR PLAN - L1 -  
BLOCK A - PART 2

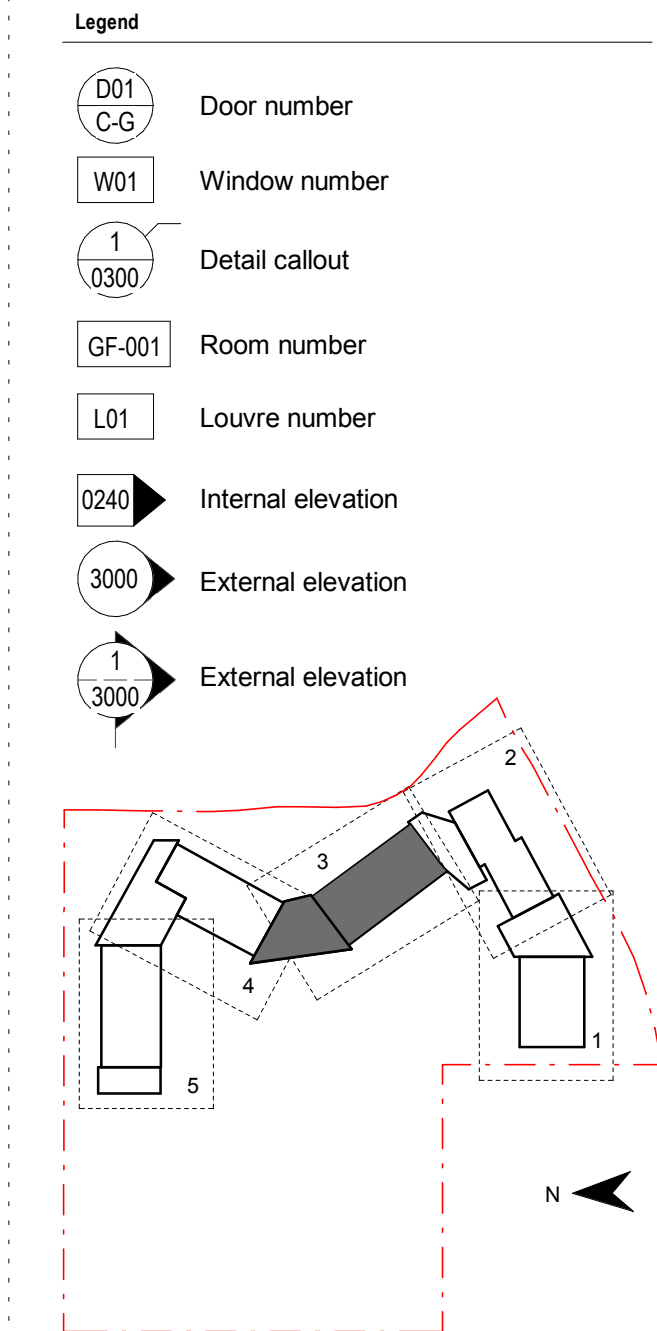
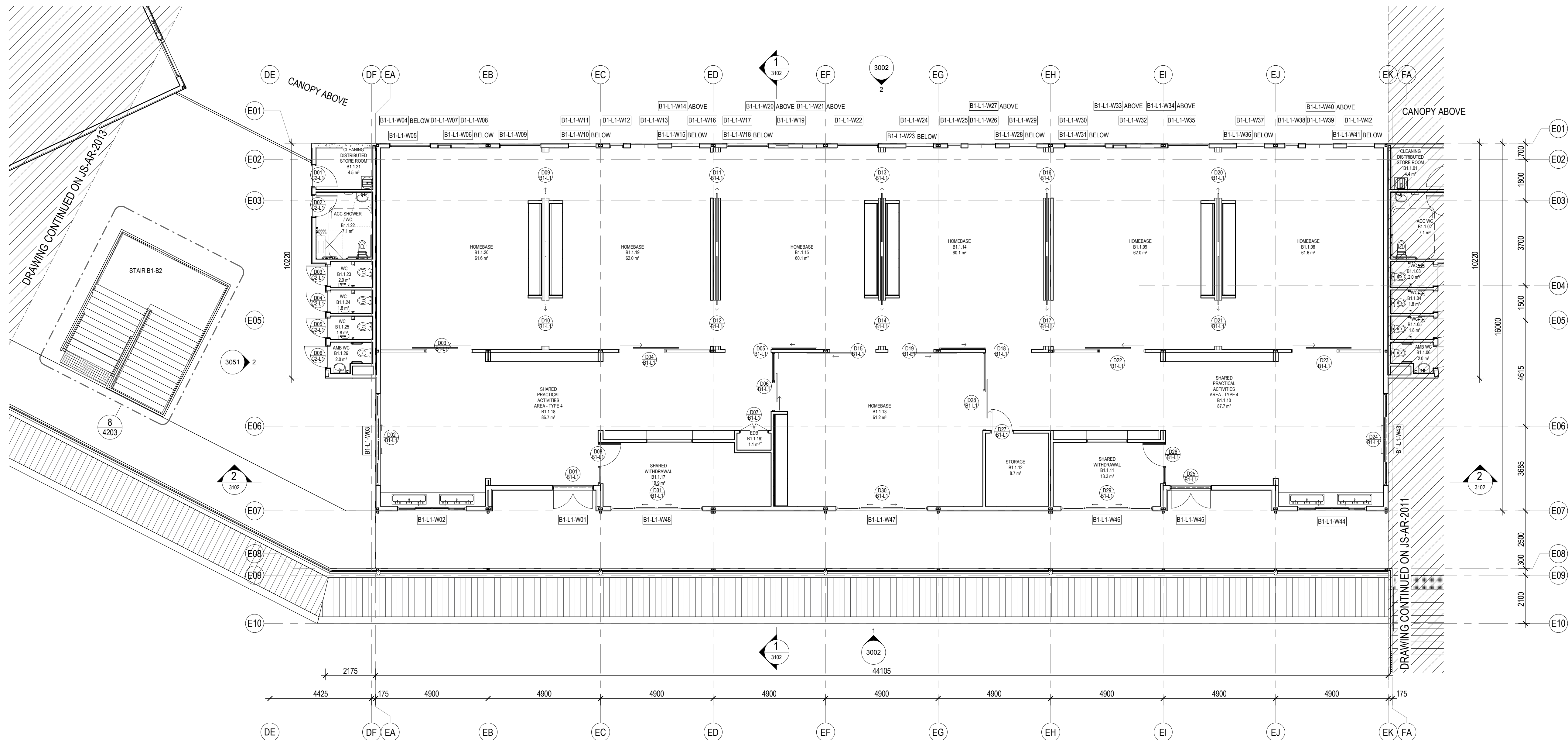
Scale @ A1		As Indicated
Drawing Created (date)		10/05/19
Drawing Created (by)		NS
Plotted and checked by		FT
Verified		MP
Approved		MB
Project No	Drawing No	Issue

180646 JS-AR-2011 H



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Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	24.04.2019
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D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

Client  
**NSW GOVERNMENT Education**

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architecture interior design urban design landscape  
nom architect M. Sheldon 9990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

Drawing Title

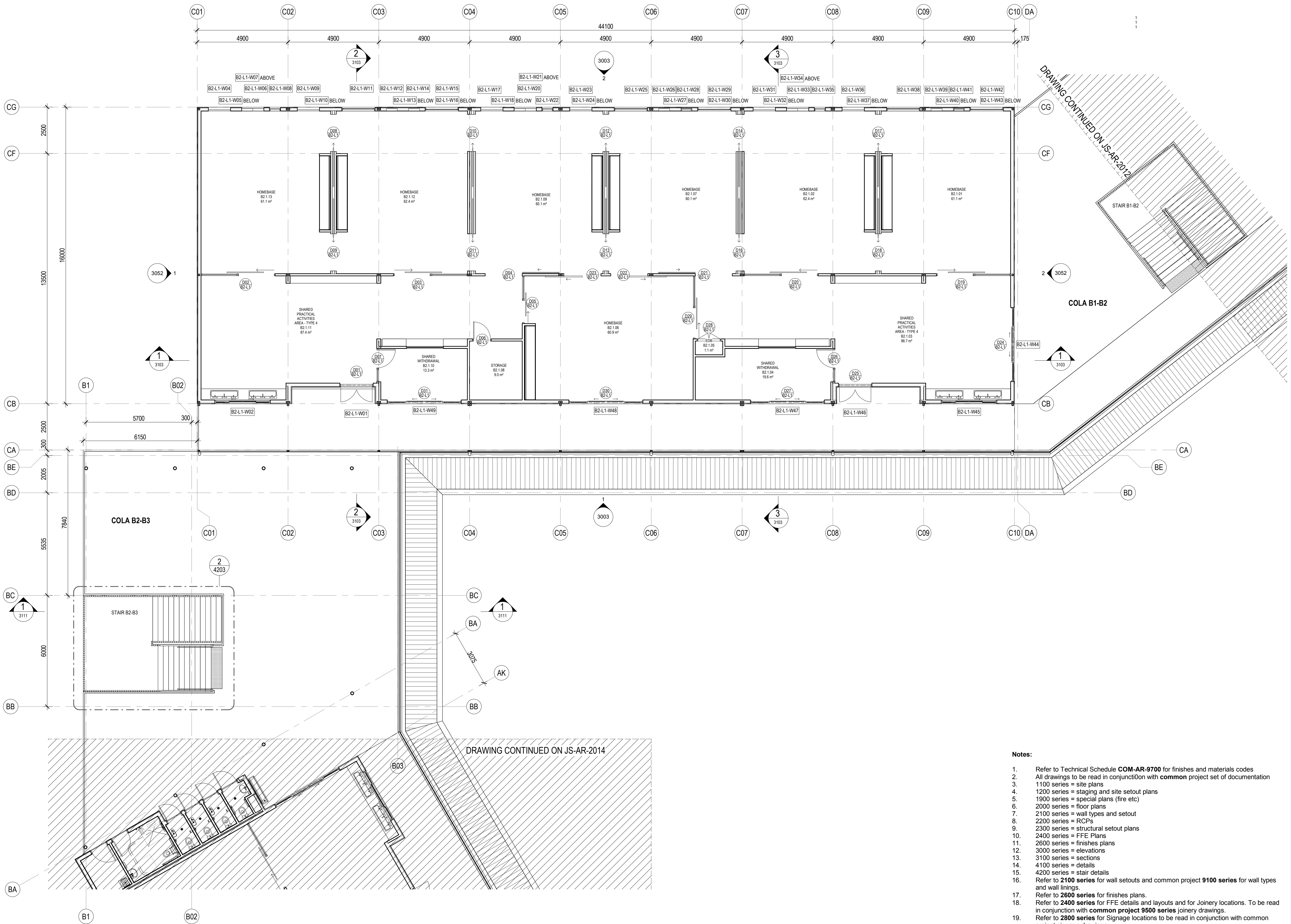
**FLOOR PLAN - L1 - BLOCK B1 - PART 3**

Scale @ A1		As Indicated
Drawing Created (date)	10/05/19	
Drawing Created (by)	NS	
Plotted and checked by	FT	
Verified	MP	
Approved	MB	
Project No	Drawing No	Issue
180646	JS-AR-2012	E

#### Notes:

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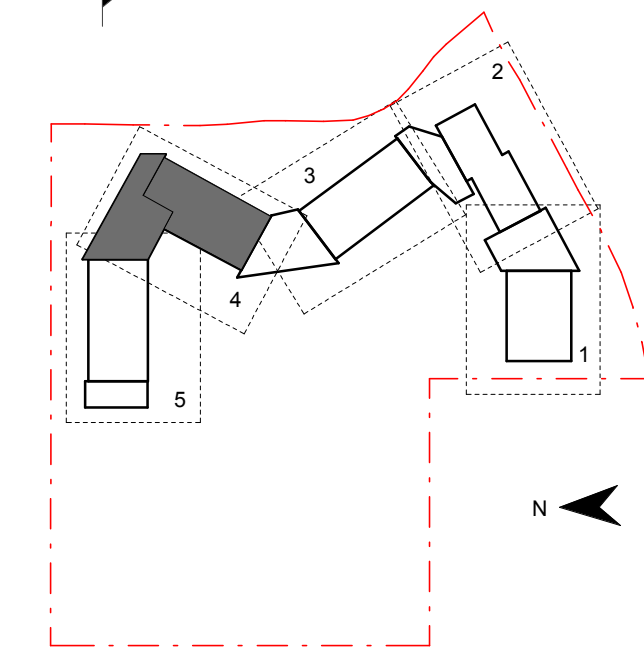




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Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	24.04.2019
C	DRAFT DETAILED DESIGN	01.05.2019
D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019

Legend	
	Door number
	Window number
	Detail callout
	Room number
	Louvre number
	Internal elevation
	External elevation
	External elevation



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

Client  
 Education

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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

Drawing Title

**FLOOR PLAN - L1 - BLOCK B2 - PART 4**

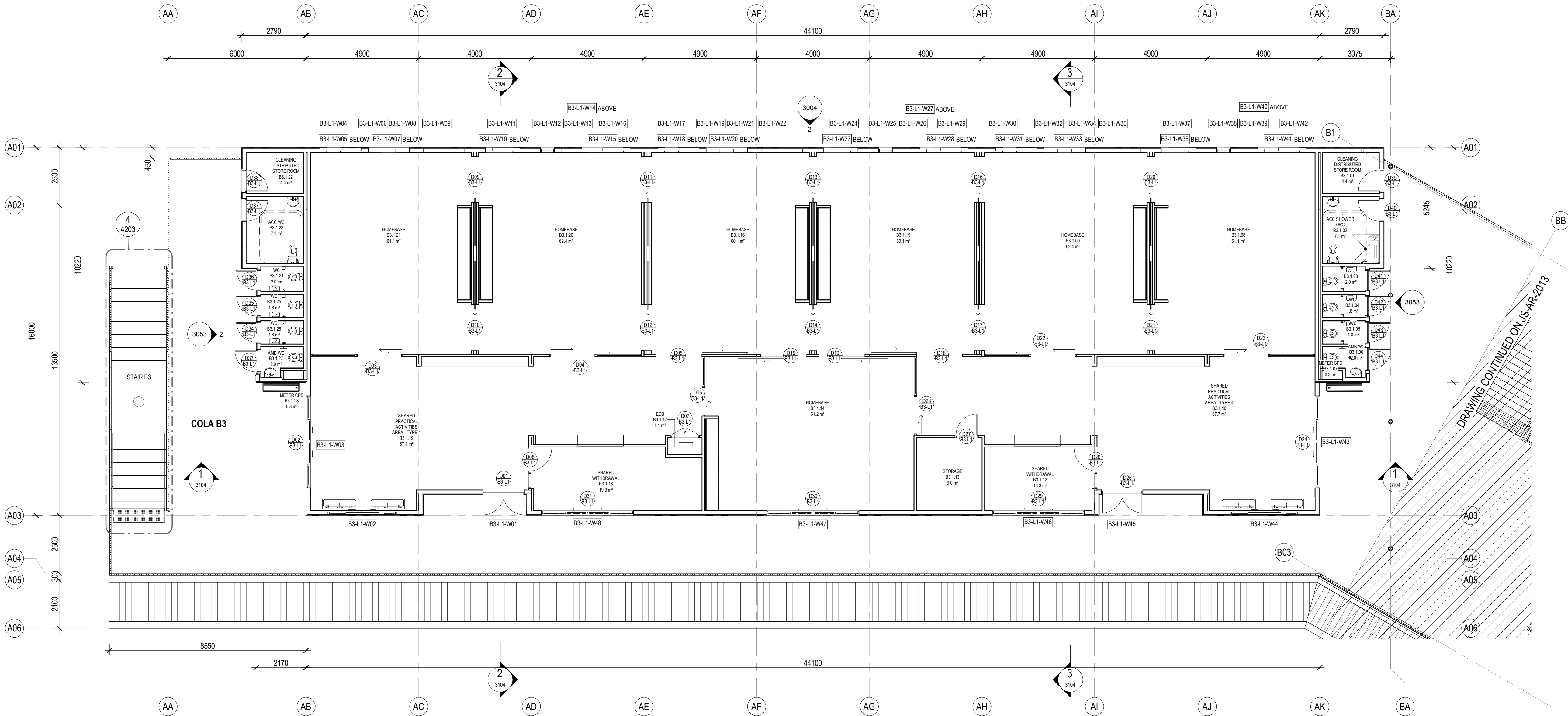
Scale @ A1		As indicated
Drawing Created (date)		10/05/19
Drawing Created (by)		FC
Plotted and checked by		FT
Verified		MP
Approved		MB
Project No	Drawing No	Issue

180646 JS-AR-2013 E

- Notes:**
- Refer to Technical Schedule **COM-AR-9700** for finishes and materials codes
  - All drawings to be read in conjunction with **common** project set of documentation
  - 1100 series = site plans
  - 1200 series = staging and site setout plans
  - 1900 series = special plans (fire etc)
  - 2000 series = floor plans
  - 2100 series = wall types and setout
  - 2200 series = RCPs
  - 2300 series = structural setout plans
  - 2400 series = FFE Plans
  - 2600 series = finishes plans
  - 3000 series = elevations
  - 3100 series = sections
  - 4100 series = details
  - 4200 series = stair details
  - Refer to **2100 series** for wall setouts and common project **9100 series** for wall types and wall linings.
  - Refer to **2600 series** for finishes plans.
  - Refer to **2400 series** for FFE details and layouts and for Joinery locations. To be read in conjunction with **common project 9500 series** joinery drawings.
  - Refer to **2800 series** for Signage locations to be read in conjunction with common project Signage drawings.
  - Refer to **8100 series** for window schedule and **3300 series** for facade set outs. Refer to common project 9200 series for window types, sizes and sill heights.
  - Refer to **5100 series** for special area drawings showing detailed room setouts.
  - Refer to door schedule **AR-8000** for door types and sizes and common project **9200 series** for door types and door hardware schedule **AR-8100**.
  - Refer to services engineers details for services layout and details.
  - Refer also to Civil engineers drawings and Landscape drawings for External works
  - Refer to Modscape documentation for all details to modular buildings

5/3/2019 3:38:39 PM

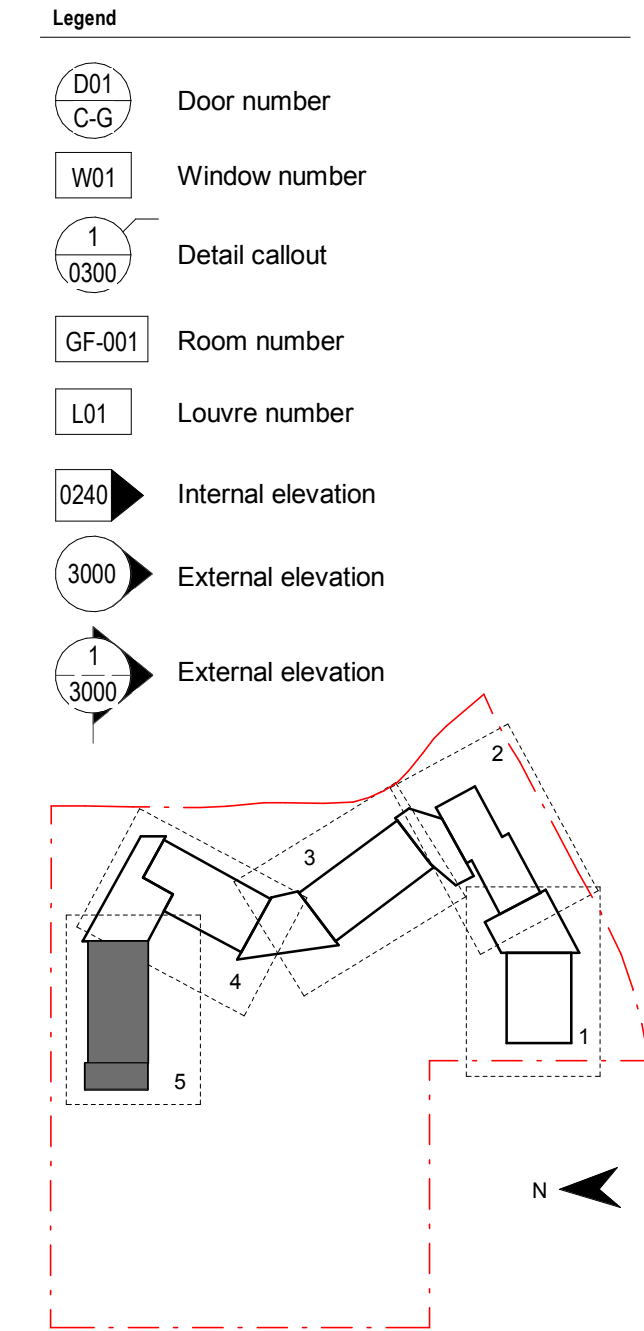




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Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	24.04.2019
C	DRAFT DETAIL DESIGN	01.05.2019
D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019



Contractor

**RICHARD CROOKES CONSTRUCTIONS**

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Project Title

**JORDAN SPRINGS PUBLIC SCHOOL**

Drawing Title

- Notes:
1. Refer to Technical Schedule **COM-AR-9700** for finishes and materials codes
  2. All drawings to be read in conjunction with **common** project set of documentation
  3. 1100 series = site plans
  4. 1200 series = staging and site setout plans
  5. 1900 series = special plans (fire etc)
  6. 2000 series = floor plans
  7. 2100 series = wall types and setout
  8. 2200 series = RCPs
  9. 2300 series = structural setout plans
  10. 2400 series = FFE Plans
  11. 2600 series = finishes plans
  12. 3000 series = elevations
  13. 3100 series = sections
  14. 4100 series = details
  15. 4200 series = stair details
  16. Refer to **2100 series** for wall setouts and common project **9100 series** for wall types and wall linings.
  17. Refer to **2600 series** for finishes plans.
  18. Refer to **2400 series** for FFE details and layouts and for Joinery locations. To be read in conjunction with **common project 9500 series** joinery drawings.
  19. Refer to **2800 series** for Signage locations to be read in conjunction with common project signage drawings.
  20. Refer to **8100 series** for window schedule and **3300 series** for facade set outs. Refer to common project 9200 series for window types, sizes and sill heights.
  21. Refer to **5100 series** for special area drawings showing detailed room setouts.
  22. Refer to door schedule **AR-8000** for door types and sizes and common project **9200 series** for door types and door hardware schedule **AR-8100**.
  23. Refer to services engineers details for services layout and details.
  24. Refer also to Civil engineers drawings and Landscape drawings for External works
  25. Refer to Modscape documentation for all details to modular buildings

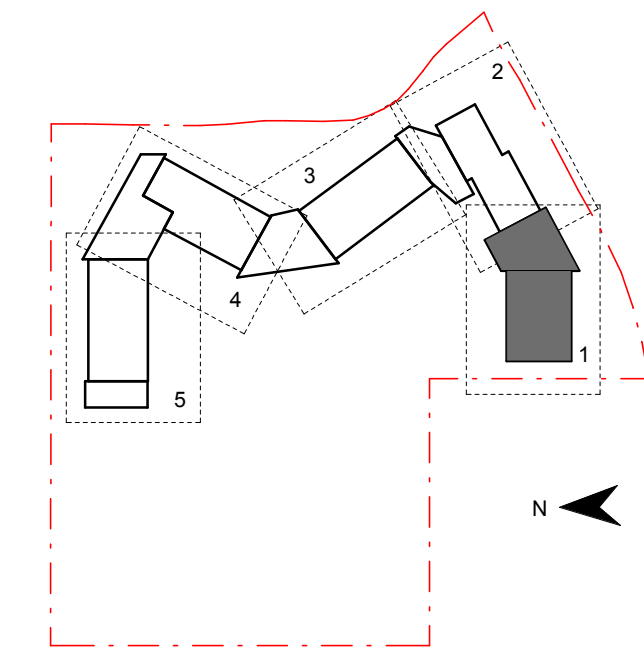
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Drawing Created (date)		10/05/19
Drawing Created (by)		FC
Plotted and checked by		FT
Verified		MP
Approved		MB
Project No	Drawing No	Issue
180646	JS-AR-2014	E

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Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	10.04.2019
C	DRAFT DETAILED DESIGN	17.04.2019
D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019



Contractor

**RICHARD CROOKES**  
CONSTRUCTIONS

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nom architect M. Sheldon 3990

Project Title

**JORDAN SPRINGS  
PUBLIC SCHOOL**

Drawing Title

**ROOF PLAN - BLOCK  
C - PART 1**

Scale @ A1 1 : 100

Drawing Created (date) 10/05/19

Drawing Created (by) NS

Plotted and checked by FT

Verified MP

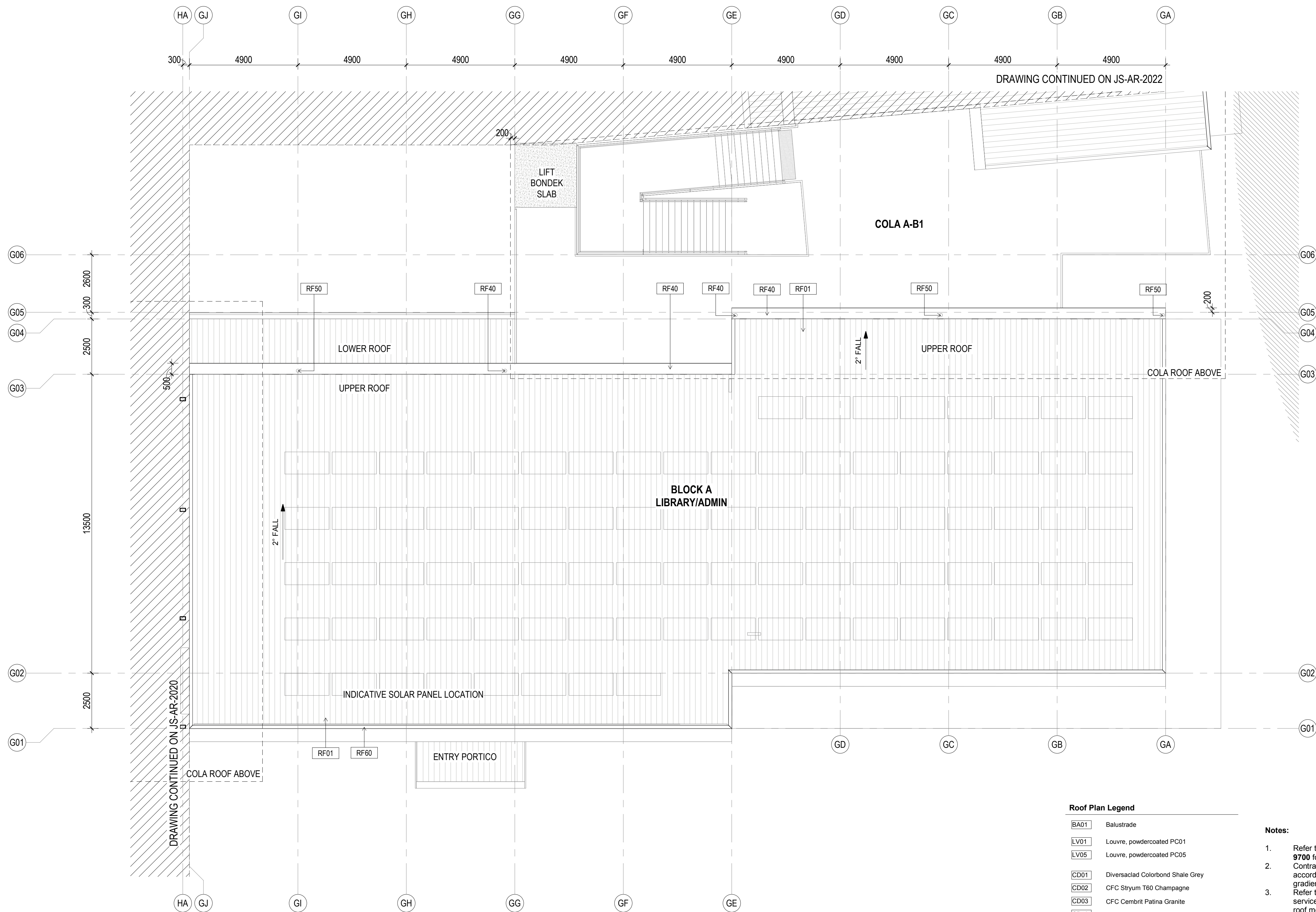
Approved MB

Project No Drawing No Issue

**180646 JS-AR-2020 E**

5/3/2019 3:36:53 PM





Roof Plan Legend

BA01	Balustrade
LV01	Louvre, powdercoated PC01
LV05	Louvre, powdercoated PC05
CD01	Diversiadac Colorbond Shale Grey
CD02	CFC Styrum T60 Champagne
CD03	CFC Cembrit Patina Granite
CD40	Aluminium timber panel
CN01	Exposed concrete slab
CN02	Exposed concrete wall / column
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Capping, Colorbond to match adjacent roof
ST10	Structure, steel painted

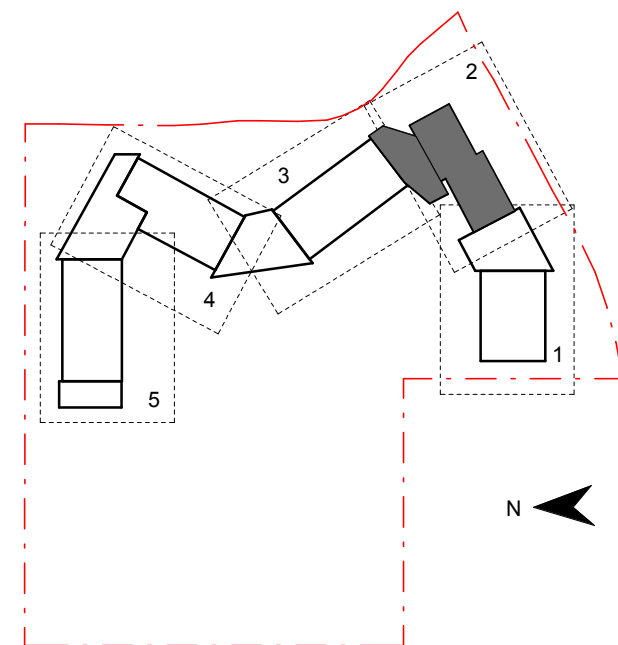
Notes:

- Refer to Technical Schedule **COM-AR-9700** for code details.
- Contractor to ensure gutter falls in accordance with AS3500.3 minimum gradient of 1:500
- Refer to services engineer's details for services layout and details. Ensure all roof mounted items colour match adjacent roof surface
- Allow for compliant roof restraint safety access requirements to all roofs.
- Roof to include exhausts, flues, vent pipes and the like with flashing trays
- Fall arrest system on all roofs to be provided by a registered installer in accordance with AN/NZS 1891: 'Industrial fall arrest systems and devices and the hierarchy of risk management.' Provide shop drawings for review.
- Provide metal leaf guards to all gutters
- All soaker trays to be max. 1.1m wide, overlap lengths to manufacturers details.
- Align all exposed flashing lapjoints to grid.
- Refer to Modscape documentation for all details to modular buildings

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Amendments

Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	17.04.2019
C	PROGRESS ISSUE	10.05.2019
D	SSD SUBMISSION	31.05.2019



Contractor

**RICHARD CROOKES**  
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Project Title

**JORDAN SPRINGS  
PUBLIC SCHOOL**

Drawing Title

**ROOF PLAN - BLOCK  
A - PART 2**

Scale @ A1

1 : 100

Drawing Created (date)

10/05/19

Drawing Created (by)

NS

Plotted and checked by

FT

Verified

MP

Approved

MB

Project No

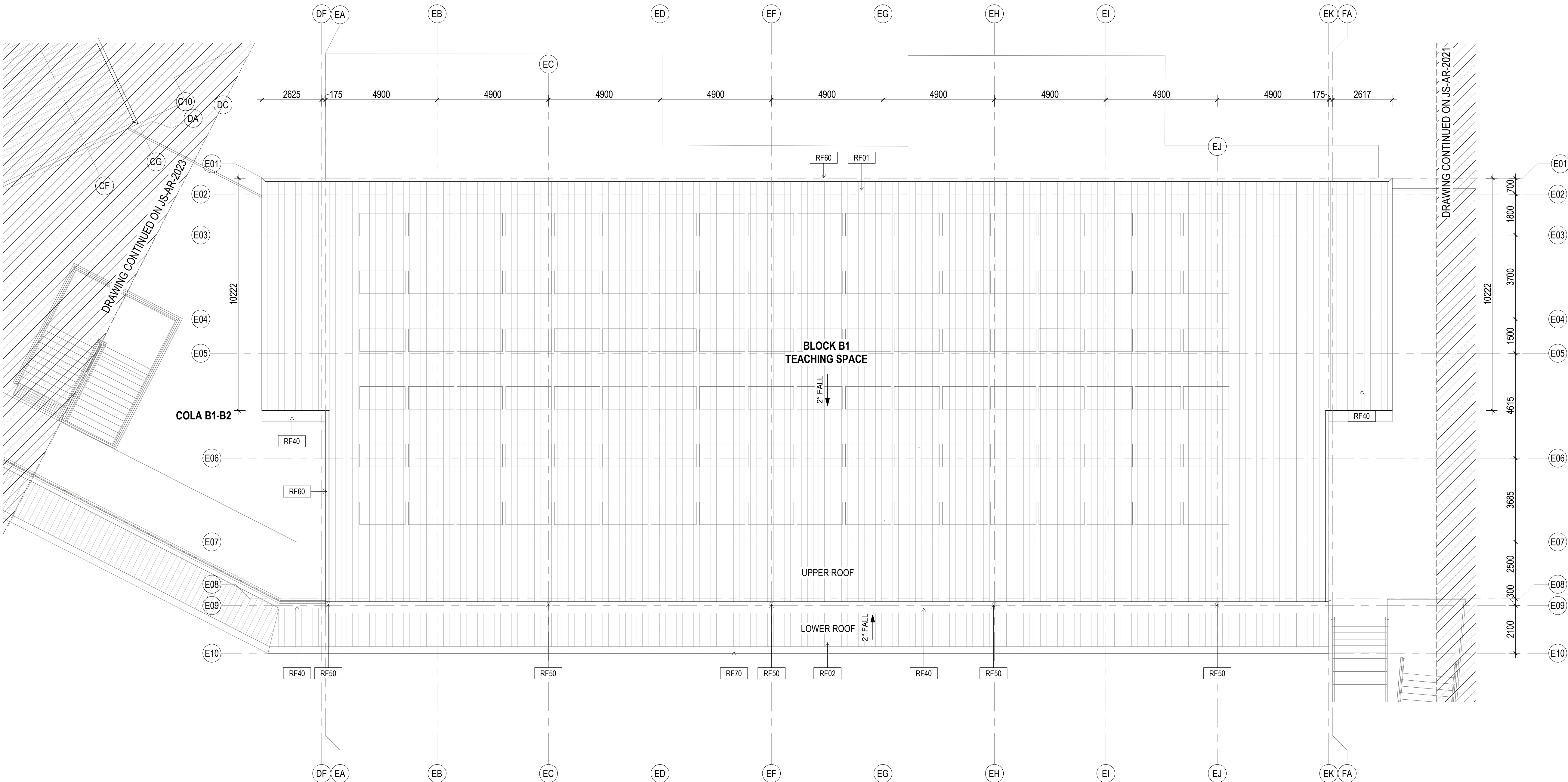
Drawing No

Issue

**180646 JS-AR-2021 D**

5/3/2019 3:30:01 PM





Roof Plan Legend

BA01	Balustrade
LV01	Louvre, powdercoated PC01
LV05	Louvre, powdercoated PC05
CD01	Diversaclad Colorbond Shale Grey
CD02	CFC Stryum T60 Champagne
CD03	CFC Cembrit Patina Granite
CD40	Aluminium timber panel
CN01	Exposed concrete slab
CN02	Exposed concrete wall / column
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Capping, Colorbond to match adjacent roof
ST10	Structure, steel painted

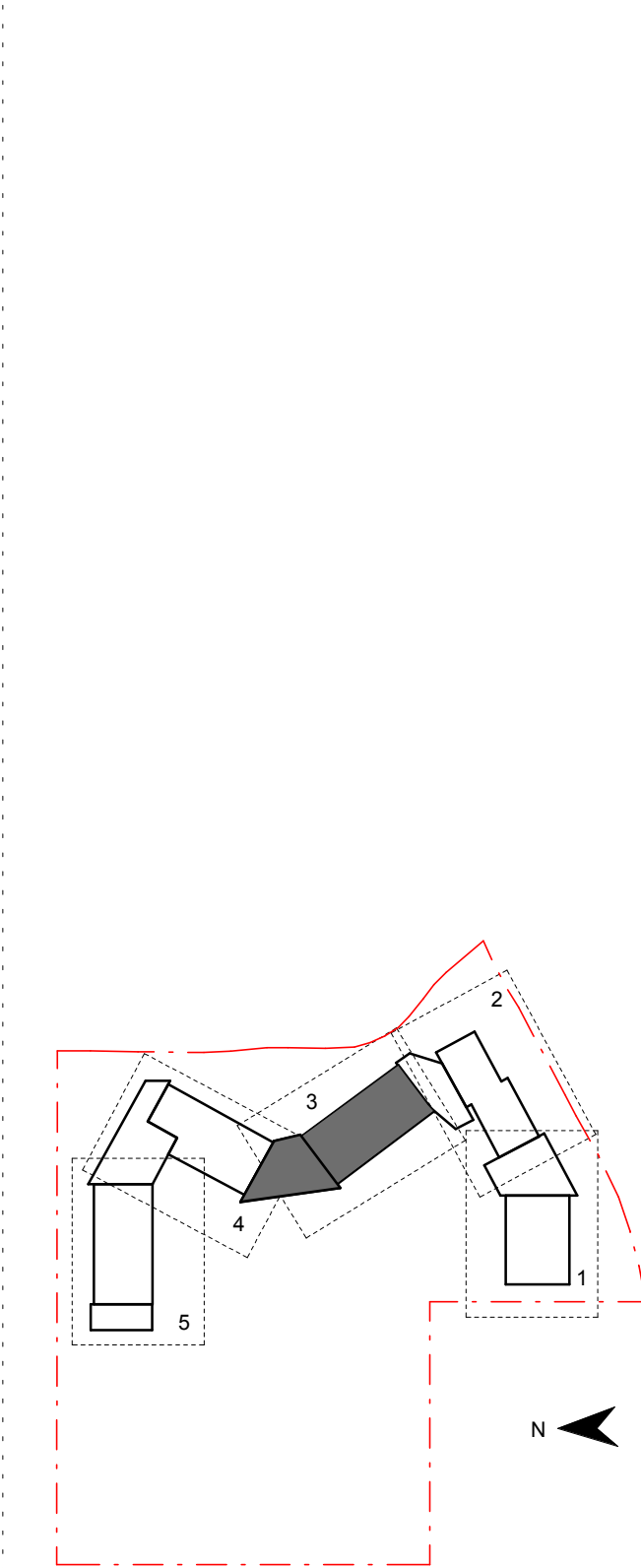
Notes:

- Refer to Technical Schedule **COM-AR-9700** for code details.
- Contractor to ensure gutter falls in accordance with AS3500.3 minimum gradient of 1:500
- Refer to services engineer's details for services layout and details. Ensure all roof mounted items colour match adjacent roof surface
- Allow for compliant roof restraint safety access requirements to all roofs.
- Roof to include exhausts, flues, vent pipes and the like with flashing trays
- Fall arrest system on all roofs to be provided by a registered installer in accordance with AN/NZS 1891: 'Industrial fall arrest systems and devices and the hierarchy of risk management.' Provide shop drawings for review.
- Provide metal leaf guards to all gutters
- All soaker trays to be max. 1.1m wide, overlap lengths to manufacturers details.
- Align all exposed flashing lapjoints to grid.
- Refer to Modscape documentation for all details to modular buildings

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Amendments

Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	PROGRESS ISSUE	10.05.2019
C	SSD SUBMISSION	31.05.2019



Contractor

**RICHARD CROOKES**  
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Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**ROOF PLAN - BLOCK**  
**B1 - PART 3**

Scale @ A1

1 : 100

Drawing Created (date)

10/05/19

Drawing Created (by)

RS

Plotted and checked by

FT

Verified

MP

Approved

MB

Project No

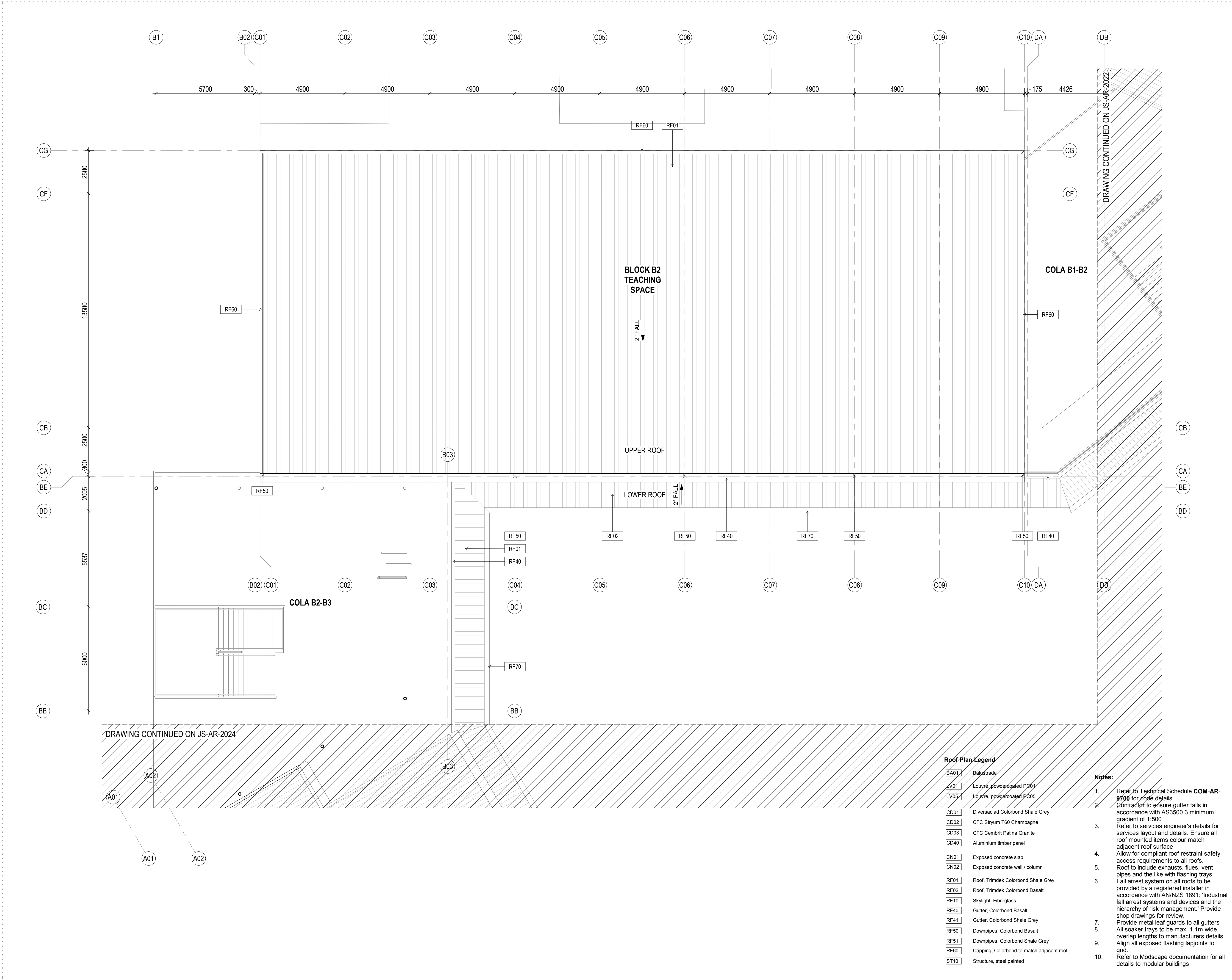
Drawing No

Issue

**180646 JS-AR-2022 C**

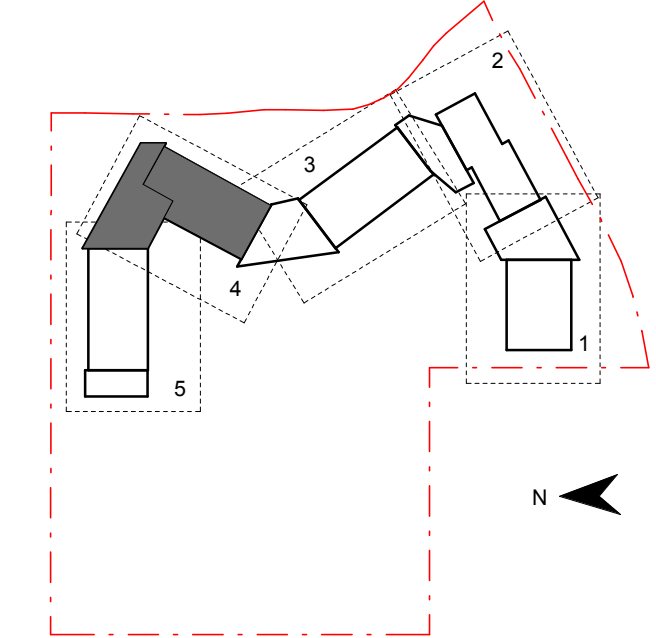
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4. All dimensions are in millimetres unless noted otherwise.  
5. All dimensions shall be verified on site before proceeding.  
6. Any areas indicated on this sheet are approximate and indicative only.

Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	PROGRESS ISSUE	10.05.2019
C	SSD SUBMISSION	31.05.2019



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

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Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

Drawing Title

## ROOF PLAN - BLOCK B2 - PART 4

Scale @ A1	1 : 100	
Drawing Created (date)	10/05/19	
Drawing Created (by)	RS	
Plotted and checked by	FT	
Verified	MP	
Approved	MB	
Project No	Drawing No	Issue
180646	JS-AR-2023	C

5/1/2019 3:39:22 PM

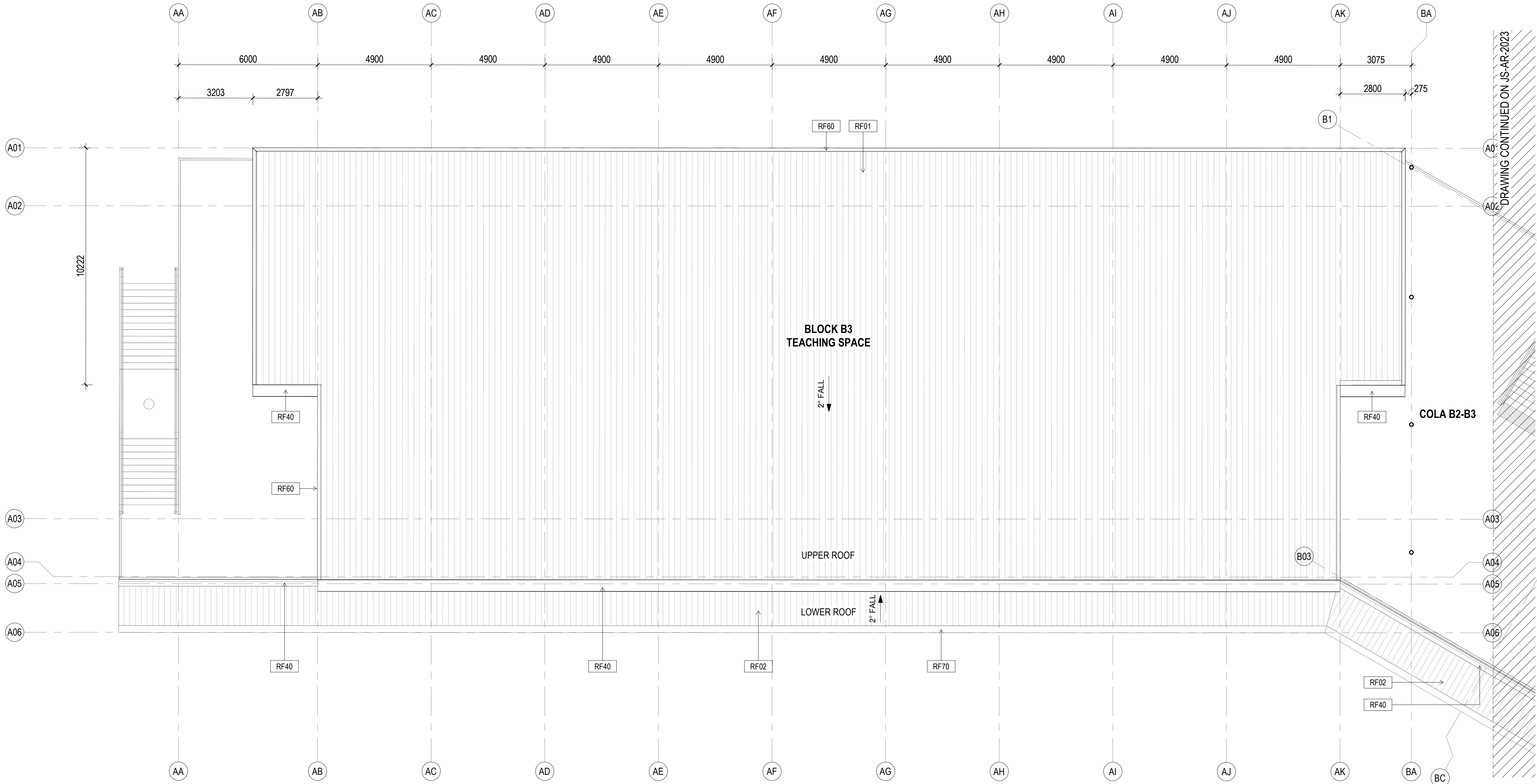
### Roof Plan Legend

BA01	Balustrade
LV01	Louvre, powdercoated PC01
LV05	Louvre, powdercoated PC05
CD01	Diversaclad Colorbond Shale Grey
CD02	CFC Stryum T60 Champagne
CD03	CFC Cembrit Patina Granite
CD40	Aluminium timber panel
CN01	Exposed concrete slab
CN02	Exposed concrete wall / column
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Capping, Colorbond to match adjacent roof
ST10	Structure, steel painted

### Notes:

- Refer to Technical Schedule **COM-AR-9700** for code details.
- Contractor to ensure gutter falls in accordance with AS3500.3 minimum gradient of 1:500
- Refer to services engineer's details for services layout and details. Ensure all roof mounted items colour match adjacent roof surface
- Allow for compliant roof restraint safety access requirements to all roofs.
- Roof to include exhausts, flues, vent pipes and the like with flashing trays
- Fall arrest system on all roofs to be provided by a registered installer in accordance with AN/NZS 1891: 'Industrial fall arrest systems and devices and the hierarchy of risk management.' Provide shop drawings for review.
- Provide metal leaf guards to all gutters
- All soaker trays to be max. 1.1m wide, overlap lengths to manufacturers details.
- Align all exposed flashing lapjoints to grid.
- Refer to Moodscape documentation for all details to modular buildings





BLOCK B3  
TEACHING SPACE

UPPER ROOF

LOWER ROOF

COLA B2-B3

Roof Plan Legend

BA01	Balustrade
LV01	Louvre, powdercoated PC01
LV05	Louvre, powdercoated PC05
CD01	Diversaclad Colorbond Shale Grey
CD02	CFC Styrum T60 Champagne
CD03	CFC Cembrit Patina Granite
CD40	Aluminium timber panel
CN01	Exposed concrete slab
CN02	Exposed concrete wall / column
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Capping, Colorbond to match adjacent roof
ST10	Structure, steel painted

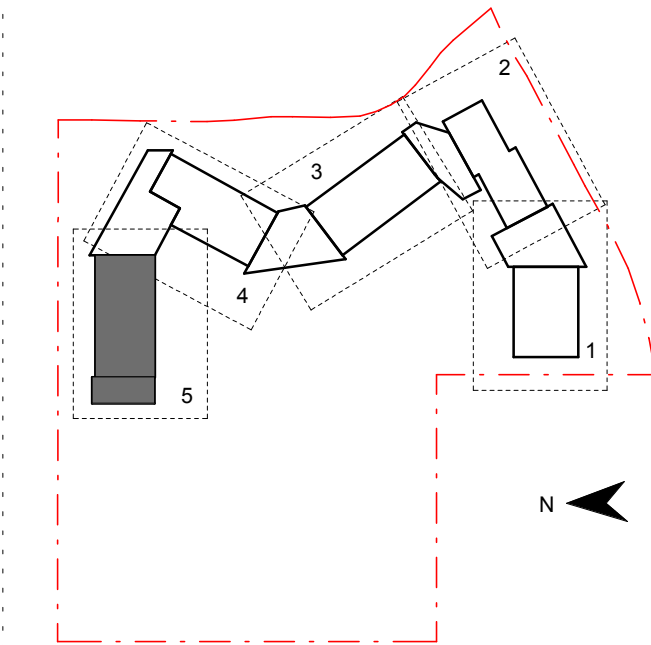
Notes:

- Refer to Technical Schedule **COM-AR-9700** for code details.
- Contractor to ensure gutter falls in accordance with AS3500.3 minimum gradient of 1:500
- Refer to services engineer's details for services layout and details. Ensure all roof mounted items colour match adjacent roof surface
- Allow for compliant roof restraint safety access requirements to all roofs.
- Roof to include exhausts, flues, vent pipes and the like with flashing trays
- Fall arrest system on all roofs to be provided by a registered installer in accordance with AN/NZS 1891: 'Industrial fall arrest systems and devices and the hierarchy of risk management.' Provide shop drawings for review.
- Provide metal leaf guards to all gutters
- All soaker trays to be max. 1.1m wide, overlap lengths to manufacturers details.
- Align all exposed flashing lapjoints to grid.
- Refer to Modscape documentation for all details to modular buildings

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Amendments

Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	PROGRESS ISSUE	10.05.2019
C	SSD SUBMISSION	31.05.2019



Contractor

**RICHARD CROOKES**  
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Project Title

**JORDAN SPRINGS  
PUBLIC SCHOOL**

Drawing Title

**ROOF PLAN - BLOCK  
B3 - PART 5**

Scale @ A1 1 : 100

Drawing Created (date) 10/05/19

Drawing Created (by) RS

Plotted and checked by FT

Verified MP

Approved MB

Project No Drawing No Issue

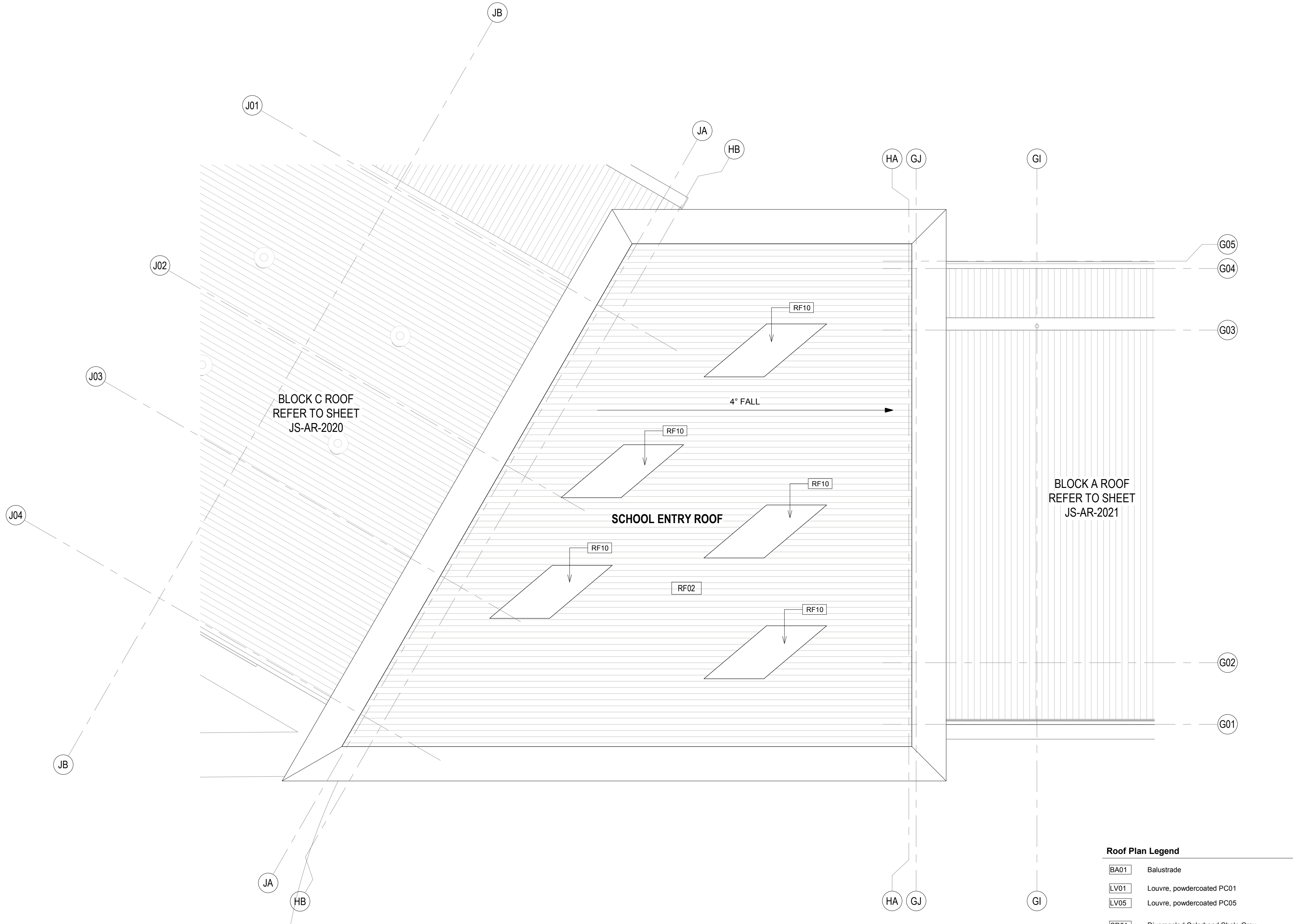
180646 JS-AR-2024 C

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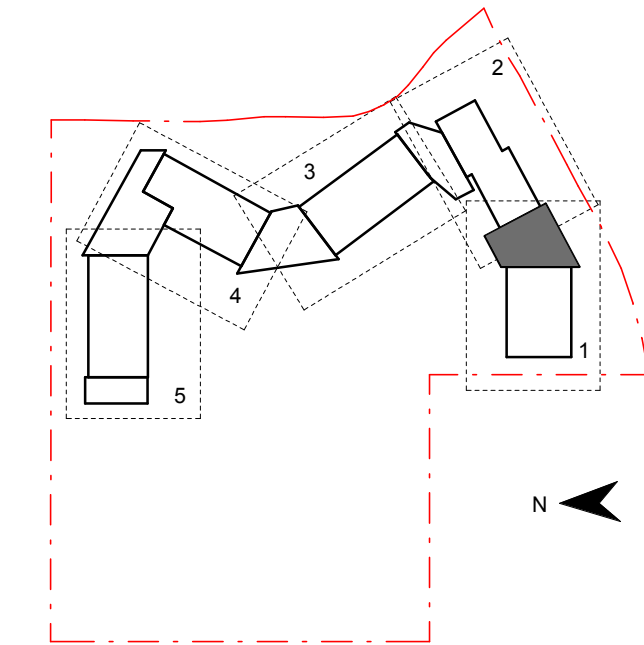
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4. All dimensions are in millimetres unless noted otherwise.  
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Amendments		
Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	COLA Roof Progress Issue	24.05.2019
C	SSD SUBMISSION	31.05.2019



Roof Plan Legend	
BA01	Balustrade
LV01	Louvre, powdercoated PC01
LV05	Louvre, powdercoated PC05
CD01	Diversaclad Colorbond Shale Grey
CD02	CFC Stryum T60 Champagne
CD03	CFC Cembit Patina Granite
CD40	Aluminium timber panel
CN01	Exposed concrete slab
CN02	Exposed concrete wall / column
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Capping, Colorbond to match adjacent roof
ST10	Structure, steel painted

- Notes:
- Refer to Technical Schedule **COM-AR-9700** for code details.  
Contractor to ensure gutter falls in accordance with AS3500.3 minimum gradient of 1:500
  - Refer to services engineer's details for services layout and details. Ensure all roof mounted items colour match adjacent roof surface
  - Allow for compliant roof restraint safety access requirements to all roofs.  
Roof to include exhausts, flues, vent pipes and the like with flashing trays  
Fall arrest system on all roofs to be provided by a registered installer in accordance with AN/NZS 1891: 'Industrial fall arrest systems and devices and the hierarchy of risk management.' Provide shop drawings for review.
  - Provide metal leaf guards to all gutters  
All soaker trays to be max. 1.1m wide, overlap lengths to manufacturers details.
  - Align all exposed flashing lapjoints to grid.
  - Refer to Modscape documentation for all details to modular buildings



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

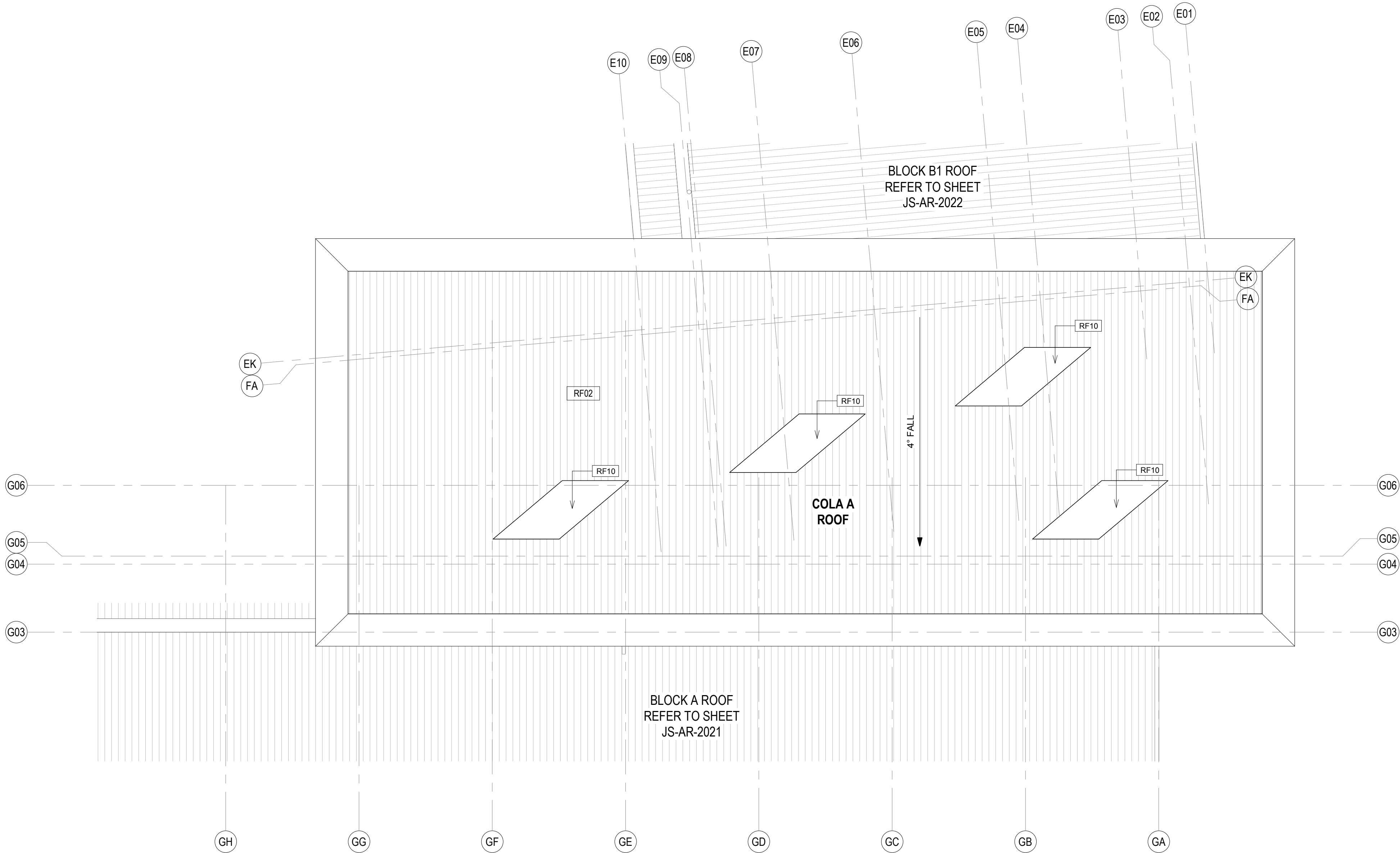
Drawing Title

## ROOF PLAN - SCHOOL ENTRY

Scale @ A1		1 : 100
Drawing Created (date)		10/05/19
Drawing Created (by)		RS
Plotted and checked by		MB
Verified		RF
Approved		MB
Project No	Drawing No	Issue
180646	JS-AR-2030	C

5/3/2019 3:36 PM





**Roof Plan Legend**

BA01	Balustrade
LV01	Louvre, powdercoated PC01
LV05	Louvre, powdercoated PC05
CD01	Diversaciad Colorbond Shale Grey
CD02	CFC Stryum T60 Champagne
CD03	CFC Cembrit Patina Granite
CD40	Aluminium timber panel
CN01	Exposed concrete slab
CN02	Exposed concrete wall / column
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Capping, Colorbond to match adjacent roof
ST10	Structure, steel painted

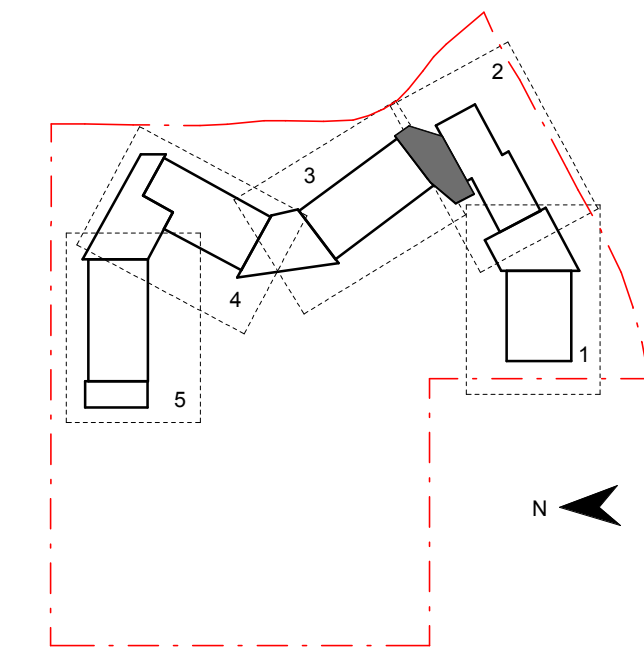
**Notes:**

- Refer to Technical Schedule **COM-AR-9700** for code details.
- Contractor to ensure gutter falls in accordance with AS3500.3 minimum gradient of 1:500
- Refer to services engineer's details for services layout and details. Ensure all roof mounted items colour match adjacent roof surface
- Allow for compliant roof restraint safety access requirements to all roofs.
- Roof to include exhausts, flues, vent pipes and the like with flashing trays
- Fall arrest system on all roofs to be provided by a registered installer in accordance with AN/NZS 1891: 'Industrial fall arrest systems and devices and the hierarchy of risk management.' Provide shop drawings for review.
- Provide metal leaf guards to all gutters
- All soaker trays to be max. 1.1m wide, overlap lengths to manufacturers details.
- Align all exposed flashing lapjoints to grid.
- Refer to Modscape documentation for all details to modular buildings

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**Amendments**

Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	COLA Roof Progress Issue	24.05.2019
C	SSD SUBMISSION	31.05.2019



Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



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nom architect M. Sheldon 3990

Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**ROOF PLAN - COLA A**

Scale @ A1 1 : 100

Drawing Created (date) 10/05/19

Drawing Created (by) RS

Plotted and checked by MB

Verified RF

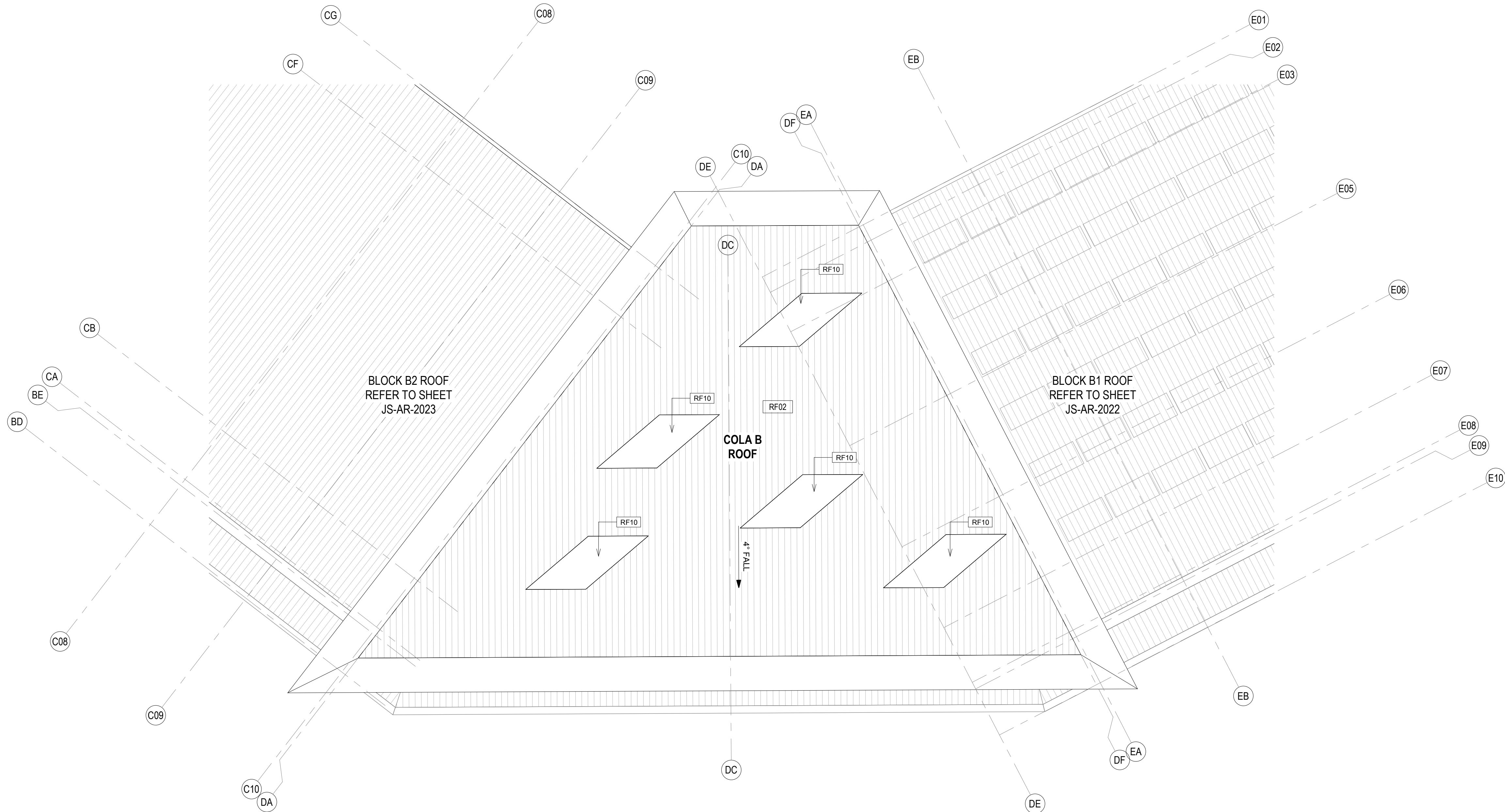
Approved MB

Project No Drawing No Issue

**180646 JS-AR-2031 C**

5/3/2019 3:39:41 PM



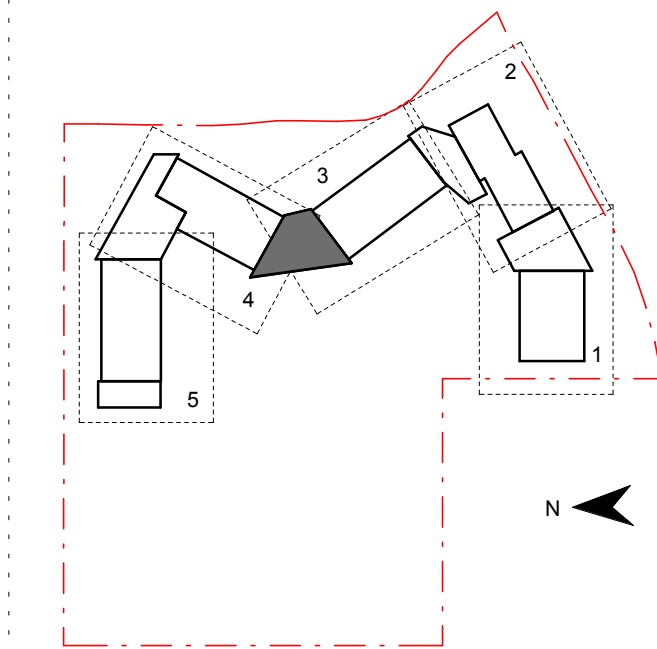


- Notes:**
- Refer to Technical Schedule **COM-AR-9700** for code details.
  - Contractor to ensure gutter falls in accordance with AS3500.3 minimum gradient of 1:500
  - Refer to services engineer's details for services layout and details. Ensure all roof mounted items colour match adjacent roof surface
  - Allow for compliant roof restraint safety access requirements to all roofs.
  - Roof to include exhausts, flues, vent pipes and the like with flashing trays
  - Fall arrest system on all roofs to be provided by a registered installer in accordance with AN/NZS 1891: 'Industrial fall arrest systems and devices and the hierarchy of risk management.' Provide shop drawings for review.
  - Provide metal leaf guards to all gutters
  - All soaker trays to be max. 1.1m wide, overlap lengths to manufacturers details.
  - Align all exposed flashing lapjoints to grid.
  - Refer to Modscape documentation for all details to modular buildings

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6. Any areas indicated on this sheet are approximate and indicative only.

Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	COLA Roof Progress Issue	24.05.2019
C	SSD SUBMISSION	31.05.2019

Roof Plan Legend	
BA01	Balustrade
LV01	Louvre, powdercoated PC01
LV05	Louvre, powdercoated PC05
CD01	Diversaclad Colorbond Shale Grey
CD02	CFC Stryum T60 Champagne
CD03	CFC Cembrit Patina Granite
CD40	Aluminium timber panel
CN01	Exposed concrete slab
CN02	Exposed concrete wall / column
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Capping, Colorbond to match adjacent roof
ST10	Structure, steel painted



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

Client  
**NSW GOVERNMENT Education**

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nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

Drawing Title

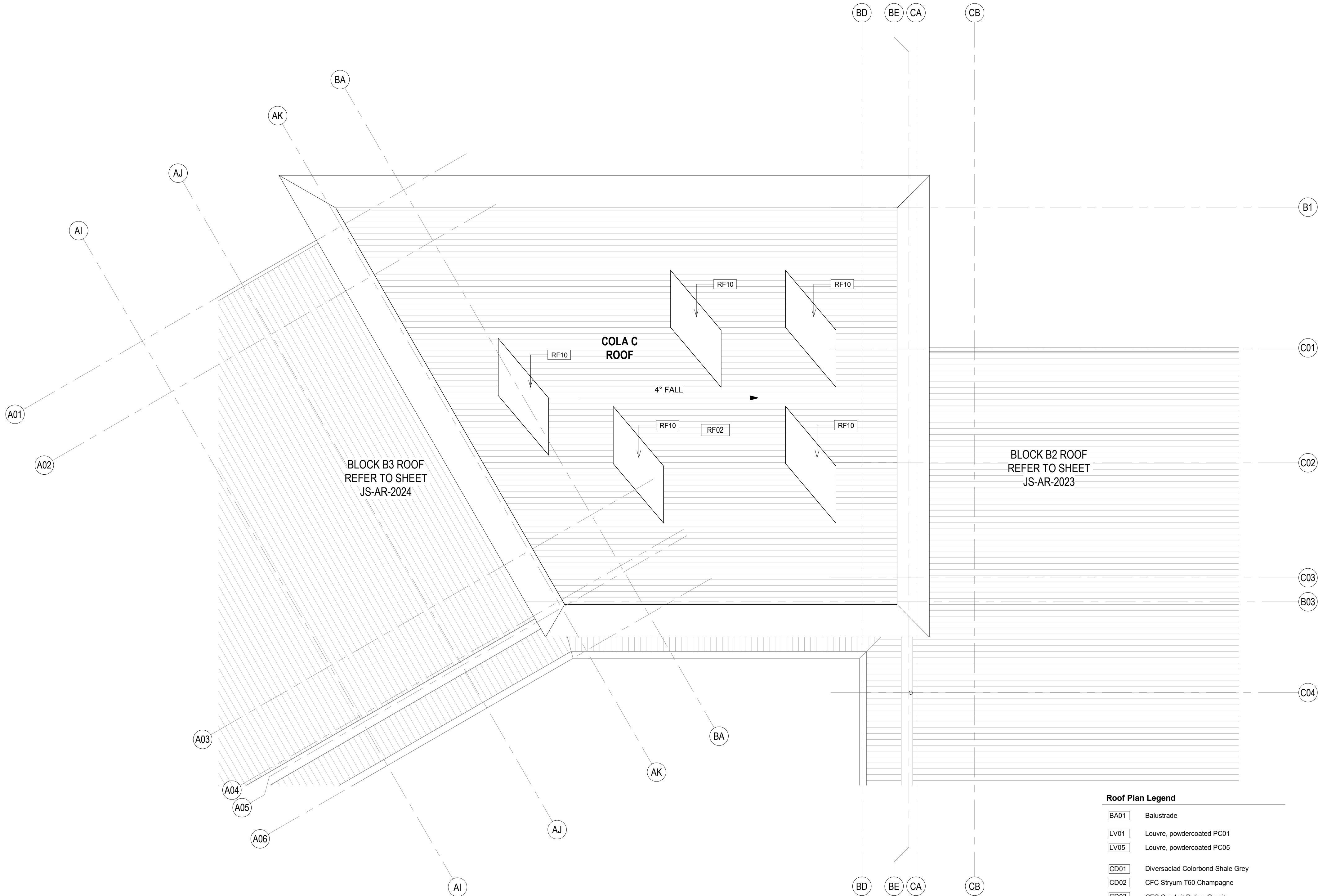
## ROOF PLAN - COLA B

Scale @ A1		1 : 100
Drawing Created (date)		10/05/19
Drawing Created (by)		RS
Plotted and checked by		MB
Verified		RF
Approved		MB
Project No	Drawing No	Issue

180646 JS-AR-2032 C

5/3/2019 3:30:47 PM



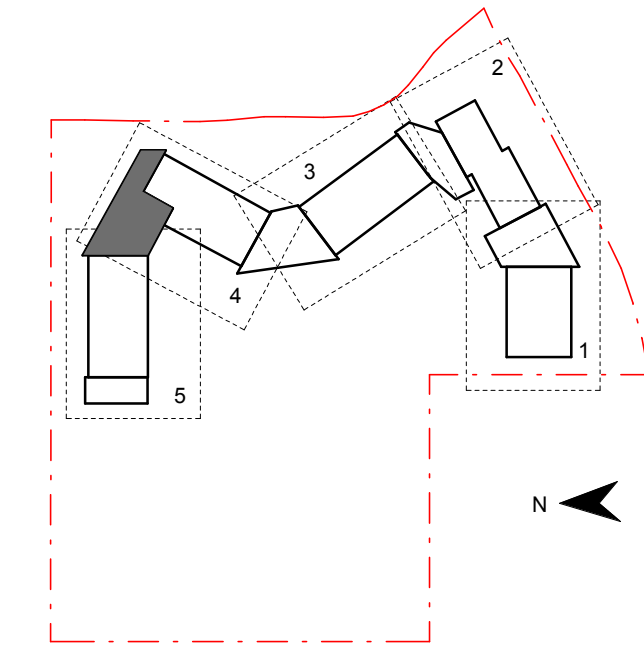


Roof Plan Legend	
BA01	Balustrade
LV01	Louvre, powdercoated PC01
LV05	Louvre, powdercoated PC05
CD01	Diversadad Colorbond Shale Grey
CD02	CFC Stryum T60 Champagne
CD03	CFC Cembrit Patina Granite
CD40	Aluminium timber panel
CN01	Exposed concrete slab
CN02	Exposed concrete wall / column
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Capping, Colorbond to match adjacent roof
ST10	Structure, steel painted

- Notes:**
- Refer to Technical Schedule **COM-AR-9700** for code details.
  - Contractor to ensure gutter falls in accordance with AS3500.3 minimum gradient of 1:500
  - Refer to services engineer's details for services layout and details. Ensure all roof mounted items colour match adjacent roof surface
  - Allow for compliant roof restraint safety access requirements to all roofs.
  - Roof to include exhausts, flues, vent pipes and the like with flashing trays
  - Fall arrest system on all roofs to be provided by a registered installer in accordance with AN/NZS 1891: 'Industrial fall arrest systems and devices and the hierarchy of risk management.' Provide shop drawings for review.
  - Provide metal leaf guards to all gutters
  - All soaker trays to be max. 1.1m wide, overlap lengths to manufacturers details.
  - Align all exposed flashing lapjoints to grid.
  - Refer to Modscape documentation for all details to modular buildings

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4. All dimensions are in millimetres unless noted otherwise.  
5. All dimensions shall be verified on site before proceeding  
6. Any areas indicated on this sheet are approximate and indicative only.

Amendments		
Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	COLA Roof Progress Issue	24.05.2019
C	SSD SUBMISSION	31.05.2019



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

Client  
**NSW GOVERNMENT Education**

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nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

Drawing Title

## ROOF PLAN - COLA C

Scale @ A1		1 : 100
Drawing Created (date)		10/05/19
Drawing Created (by)		RS
Plotted and checked by		MB
Verified		RF
Approved		MB
Project No	Drawing No	Issue

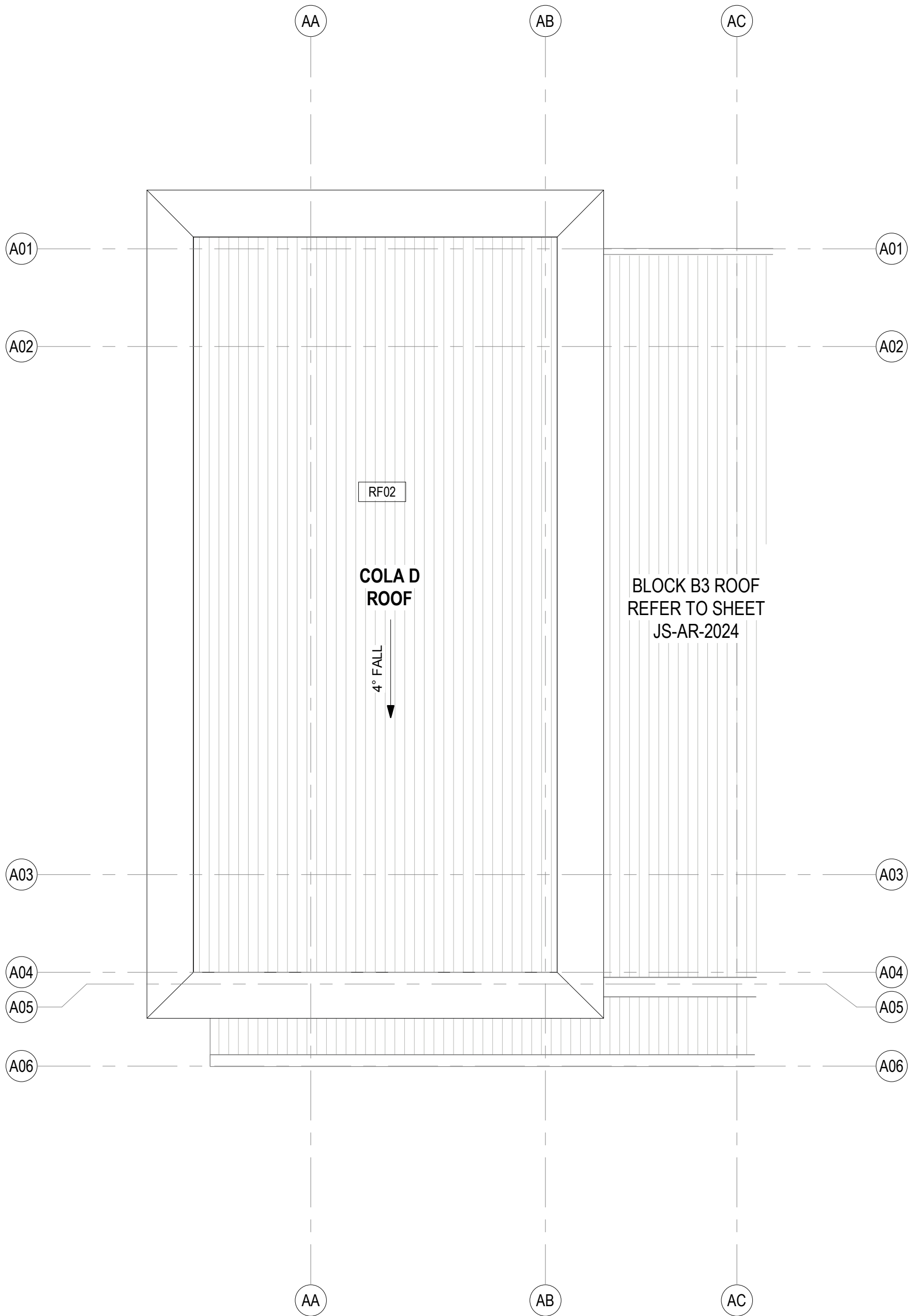
180646 JS-AR-2033 C

5/3/2019 3:35 PM



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6. Any areas indicated on this sheet are approximate and indicative only.

Amendments		
Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	COLA Roof Progress Issue	24.05.2019
C	SSD SUBMISSION	31.05.2019

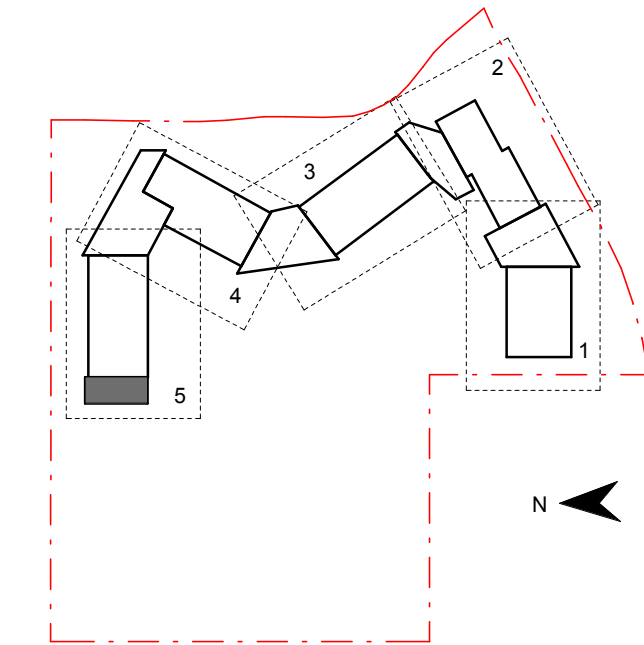


#### Roof Plan Legend

BA01	Balustrade
LV01	Louvre, powdercoated PC01
LV05	Louvre, powdercoated PC05
CD01	Diversaclad Colorbond Shale Grey
CD02	CFC Stryum T60 Champagne
CD03	CFC Cembrit Patina Granite
CD40	Aluminium timber panel
CN01	Exposed concrete slab
CN02	Exposed concrete wall / column
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Capping, Colorbond to match adjacent roof
ST10	Structure, steel painted

#### Notes:

- Refer to Technical Schedule **COM-AR-9700** for code details.
- Contractor to ensure gutter falls in accordance with AS3500.3 minimum gradient of 1:500
- Refer to services engineer's details for services layout and details. Ensure all roof mounted items colour match adjacent roof surface
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- Align all exposed flashing lapjoints to grid.
- Refer to Modscape documentation for all details to modular buildings



Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



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Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**ROOF PLAN - COLA D**

Scale @ A1 1 : 100

Drawing Created (date) 10/05/19

Drawing Created (by) RS

Plotted and checked by MB

Verified RF

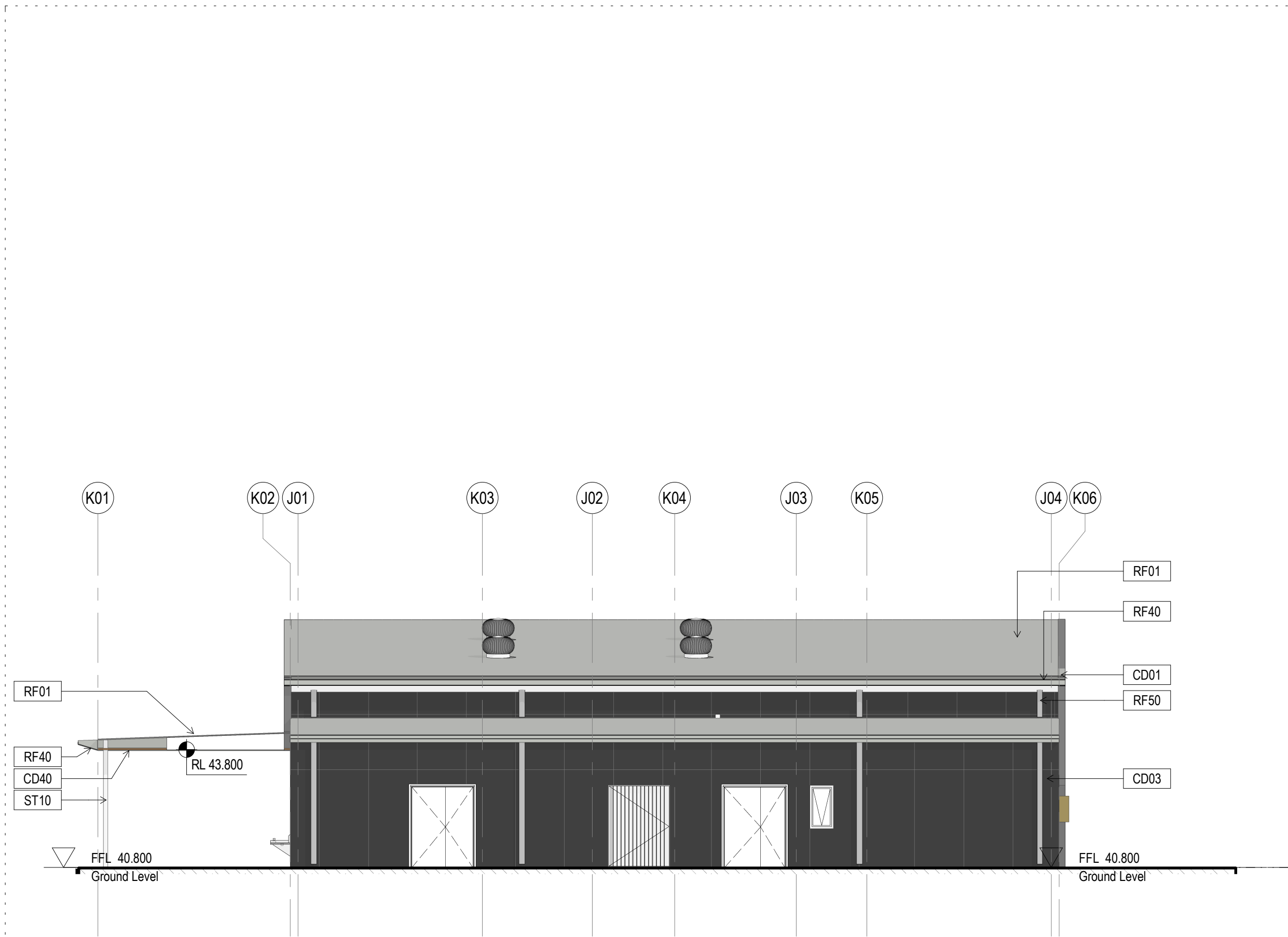
Approved MB

Project No Drawing No Issue

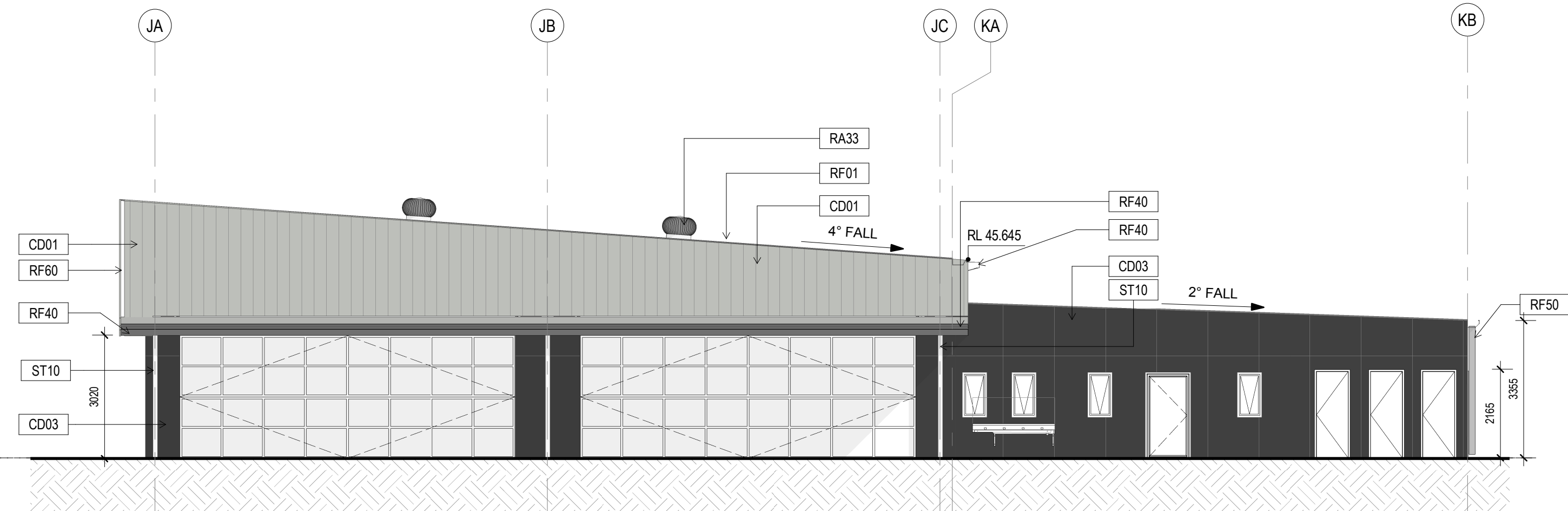
**180646 JS-AR-2034 C**

5/3/2019 3:30:57 PM

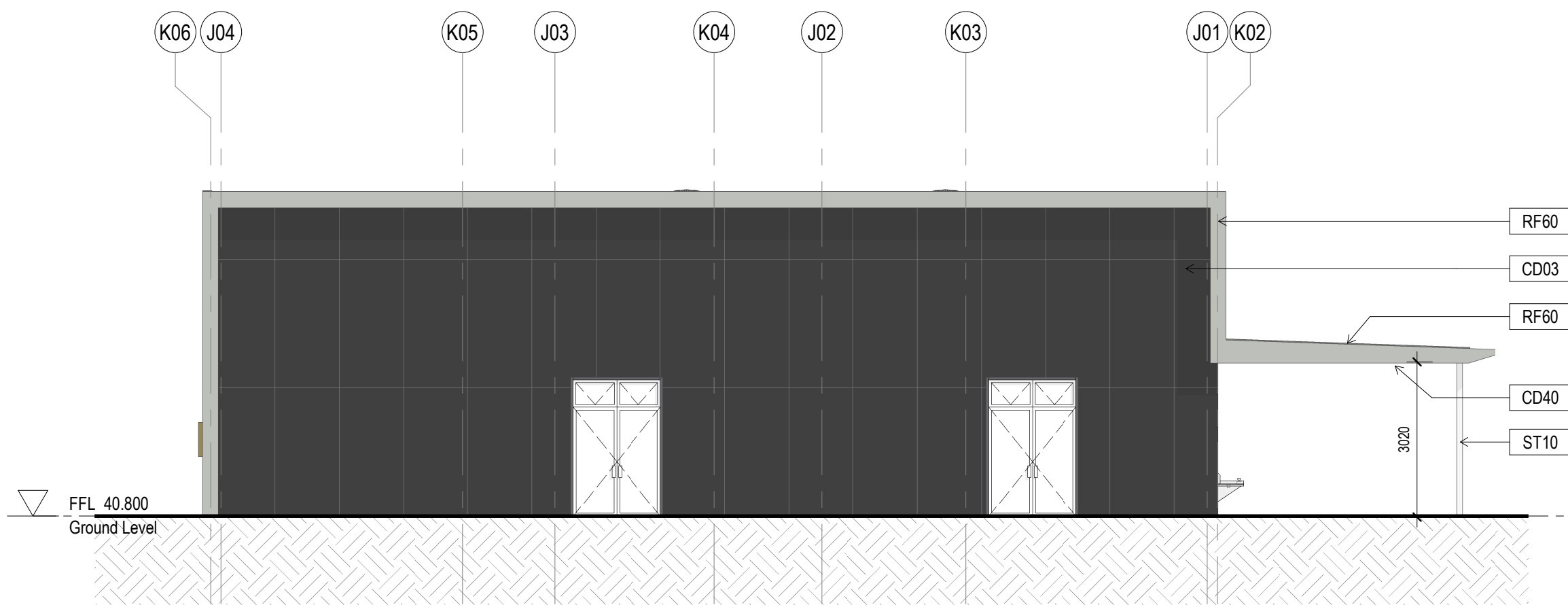




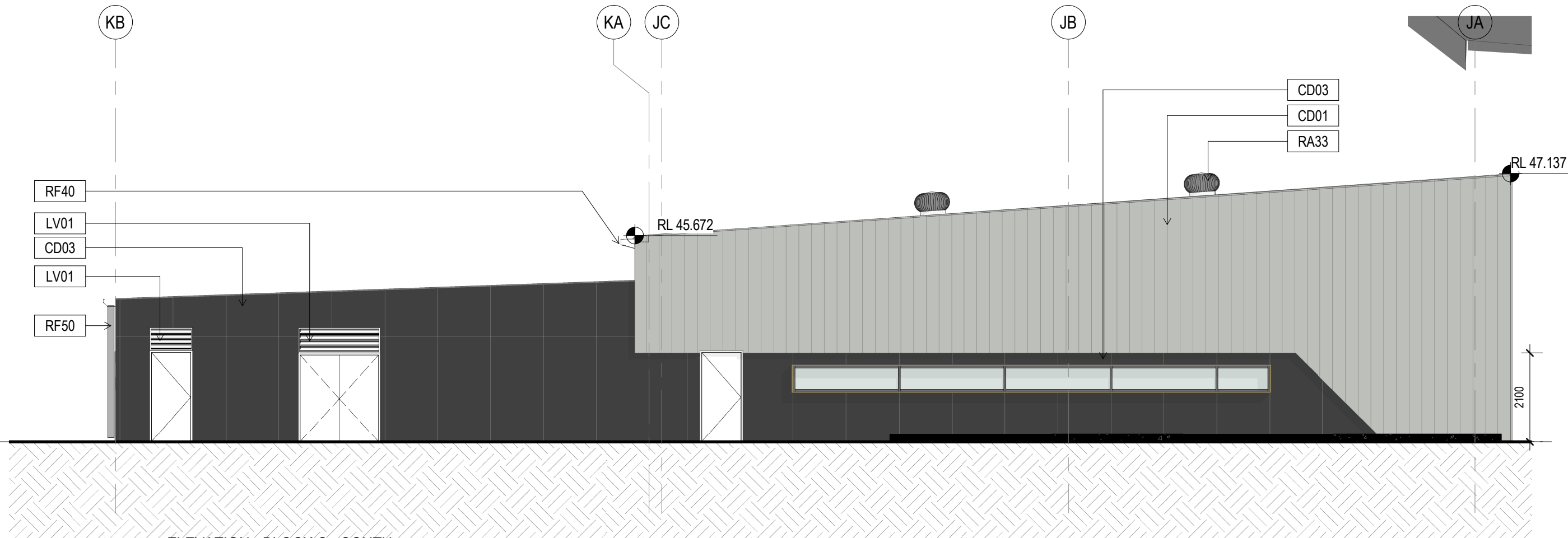
1 ELEVATION - BLOCK C - WEST  
1:100



3 ELEVATION - BLOCK C - NORTH  
1:100



2 ELEVATION - BLOCK C - EAST  
1:100



4 ELEVATION - BLOCK C - SOUTH  
1:100

#### Elevation Notes:

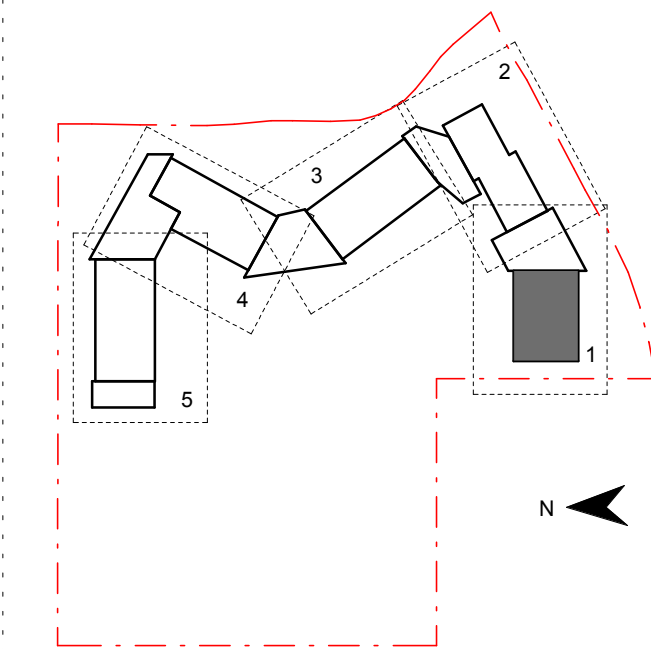
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
- COLA roof structures removed from elevations for clarity. Refer to sections for details
- Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
- Refer to **3300 Series** for Facade Setouts
- Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
- Refer also to Landscape & Civil drawings for External Works drawings
- Refer to Modscape documentation for structural and cladding details to modular buildings

#### Amendments

Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	10.04.2019
C	DRAFT DETAILED DESIGN	17.04.2019
D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019

#### Elevations Legend

BA01	Balustrade (Hot Dip Gal)
LV01	Louvre, powdercoated PC01 (Basalt)
LV02	Louvre, powdercoated PC02 (Shale Grey)
LV05	Louvre, powdercoated PC05 (Fresh Gold)
CD01	Aluminium interlocking panel Colorbond Shale Grey
CD03	Compressed Fibre Cement - Colour Granite
CD10	Aluminium interlocking panel Stryum Champagne
CD40	Aluminium sheet with timber appearance finish
CD70	Prefinished aluminium wall cladding trim
CN01	Exposed sealed concrete slab
CN02	Exposed sealed concrete wall / column
RA33	Roof mounted ventilator
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Roof Capping
ST10	Structural steel (Hot Dip Gal)



#### Contractor

**RICHARD CROOKES**  
CONSTRUCTIONS

#### Client



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#### Project Title

**JORDAN SPRINGS  
PUBLIC SCHOOL**

#### Drawing Title

**BUILDING 'C'  
ELEVATIONS**

Scale @ A1 As Indicated

Drawing Created (date) 10/05/19

Drawing Created (by) FC

Plotted and checked by FT

Verified MP

Approved MB

Project No Drawing No Issue

180646 JS-AR-3000 E

5/3/2019 3:40:16 PM

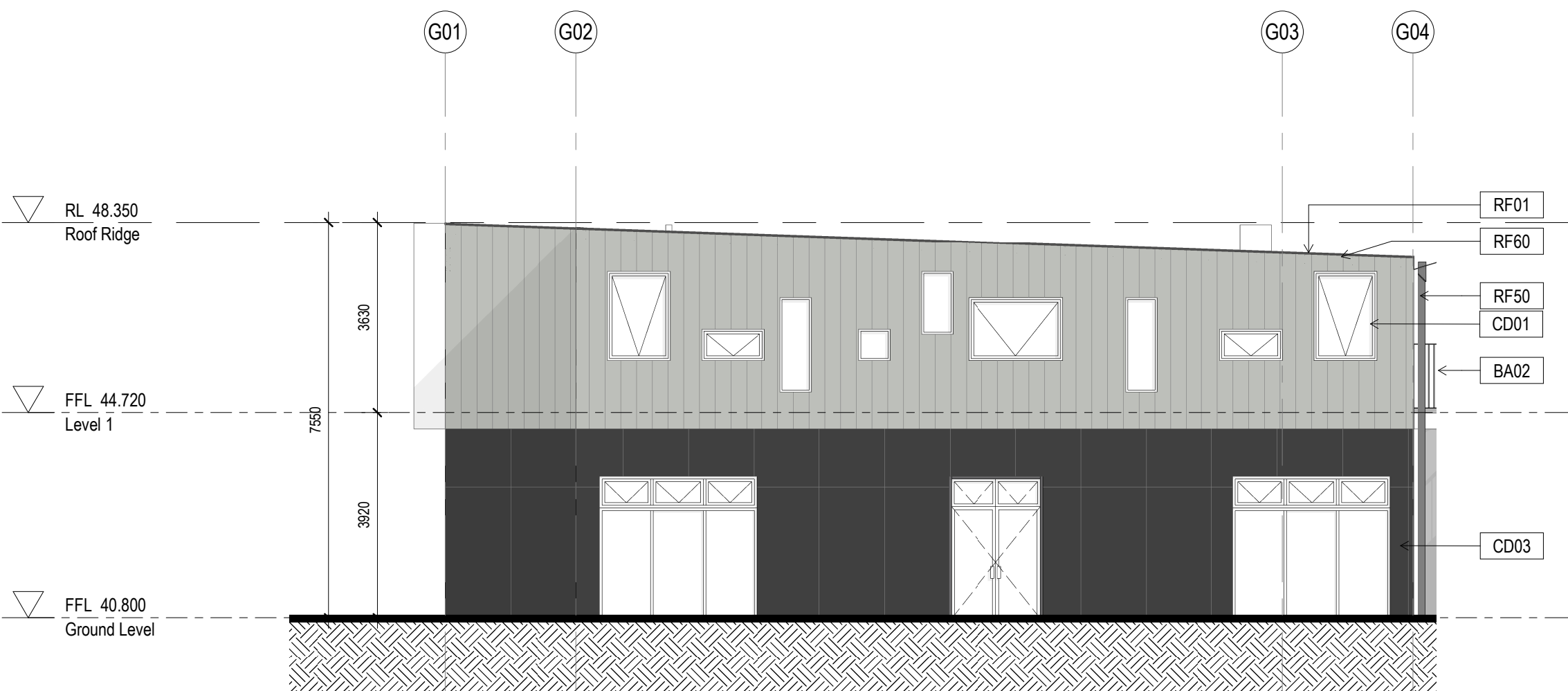




1 ELEVATION - BLOCK A - NORTH  
1: 100



2 ELEVATION - BLOCK A - SOUTH  
1: 100



3 BUILDING A - EAST ELEVATION  
1: 100

#### Elevation Notes:

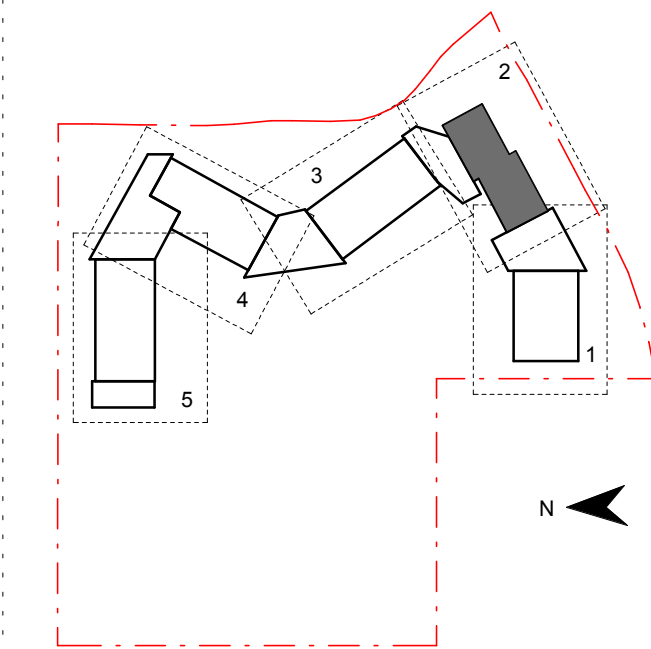
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
- COLA roof structures removed from elevations for clarity. Refer to sections for details.
- Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
- Refer to **3300 Series** for Facade Setouts
- Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
- Refer also to Landscape & Civil drawings for External Works drawings
- Refer to Modscape documentation for structural and cladding details to modular buildings

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Amendments		
Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	17.04.2019
C	DRAFT DETAIL DESIGN	01.05.2019
D	PROGRESS ISSUE	10.05.2019
E	SSD SUBMISSION	31.05.2019

#### Elevations Legend

BA01	Balustrade (Hot Dip Gal)
LV01	Louvre, powdercoated PC01 (Basalt)
LV02	Louvre, powdercoated PC02 (Shale Grey)
LV05	Louvre, powdercoated PC05 (Fresh Gold)
CD01	Aluminium interlocking panel Colorbond Shale Grey
CD03	Compressed Fibre Cement - Colour Granite
CD10	Aluminium interlocking panel Stryum Champagne
CD40	Aluminium sheet with timber appearance finish
CD70	Prefinished aluminium wall cladding trim
CN01	Exposed sealed concrete slab
CN02	Exposed sealed concrete wall / column
RA33	Roof mounted ventilator
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Roof Capping
ST10	Structural steel (Hot Dip Gal)



Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client

**NSW**  
GOVERNMENT  
**Education**

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Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**BUILDING 'A'**  
**ELEVATIONS**

Scale @ A1 As Indicated

Drawing Created (date) 10/05/19

Drawing Created (by) RS

Plotted and checked by FT

Verified MP

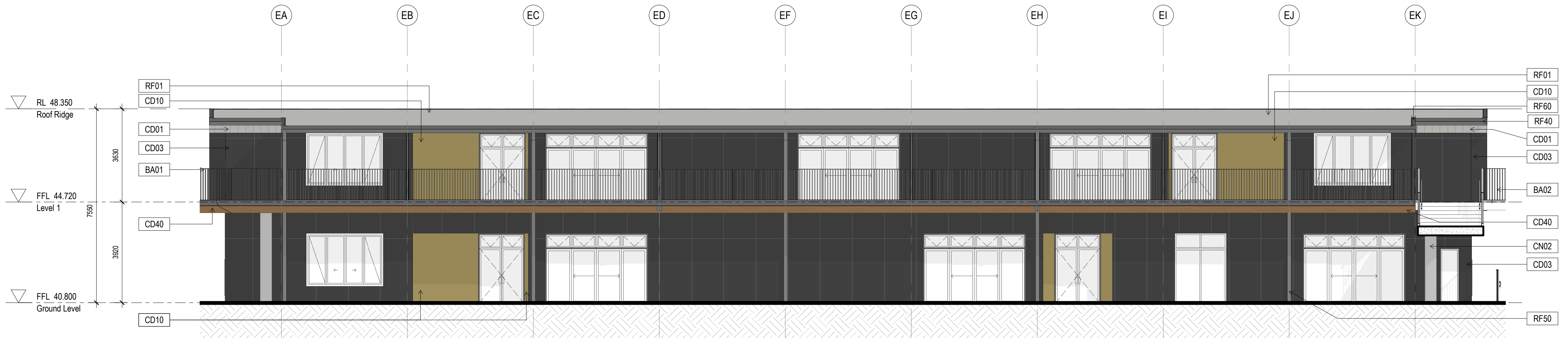
Approved MB

Project No Drawing No Issue

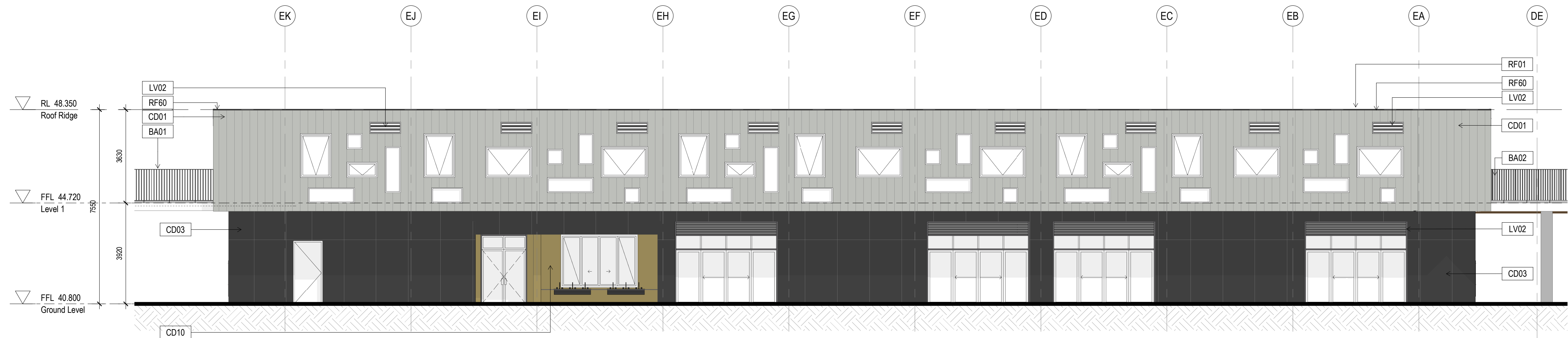
180646 JS-AR-3001 E

5/3/2019 3:40:50 PM





1 ELEVATION - BLOCK B1 - WEST  
1:100



2 ELEVATION - BLOCK B1 - EAST  
1:100

Elevation Notes:

- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
- COLA roof structures removed from elevations for clarity. Refer to sections for details.
- Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
- Refer to **3300 Series** for Facade Setouts
- Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
- Refer also to Landscape & Civil drawings for External Works drawings
- Refer to Madscape documentation for structural and cladding details to modular buildings

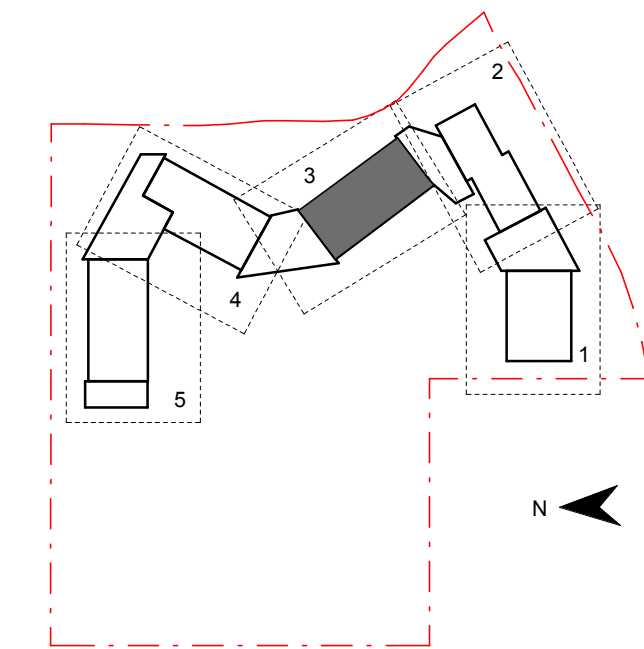
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Amendments

Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	24.04.2019
C	PROGRESS ISSUE	10.05.2019
D	SSD SUBMISSION	31.05.2019

Elevations Legend

BA01	Balustrade (Hot Dip Gal)
LV01	Louvre, powdercoated PC01 (Basalt)
LV02	Louvre, powdercoated PC02 (Shale Grey)
LV05	Louvre, powdercoated PC05 (Fresh Gold)
CD01	Aluminium interlocking panel Colorbond Shale Grey
CD03	Compressed Fibre Cement - Colour Granite
CD10	Aluminium interlocking panel Stryum Champagne
CD40	Aluminium sheet with timber appearance finish
CD70	Prefinished aluminium wall cladding trim
CN01	Exposed sealed concrete slab
CN02	Exposed sealed concrete wall / column
RA33	Roof mounted ventilator
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Roof Capping
ST10	Structural steel (Hot Dip Gal)



Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



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Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**BUILDING 'B1'**  
**ELEVATIONS**

Scale @ A1 As Indicated

Drawing Created (date) 10/05/19

Drawing Created (by) RS

Plotted and checked by FT

Verified MP

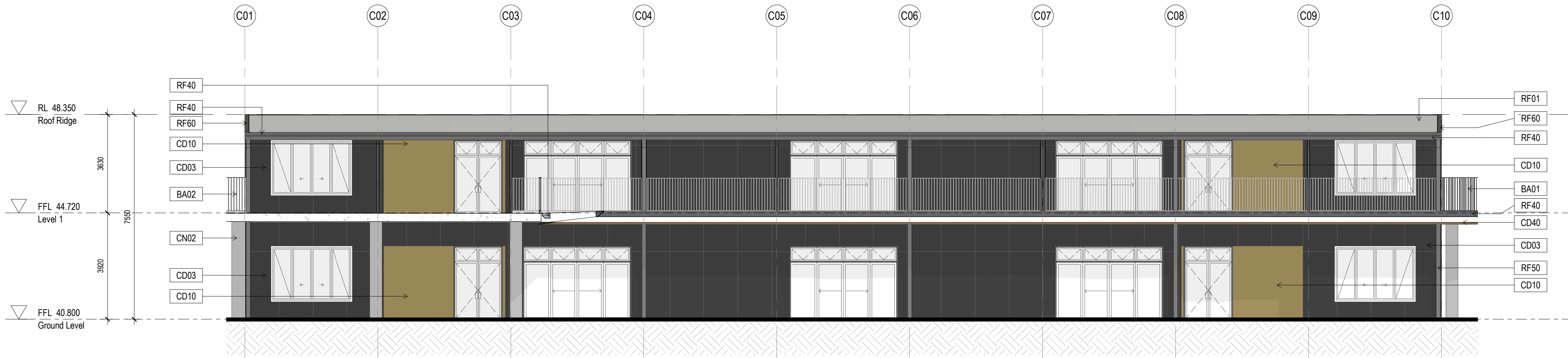
Approved MB

Project No Drawing No Issue

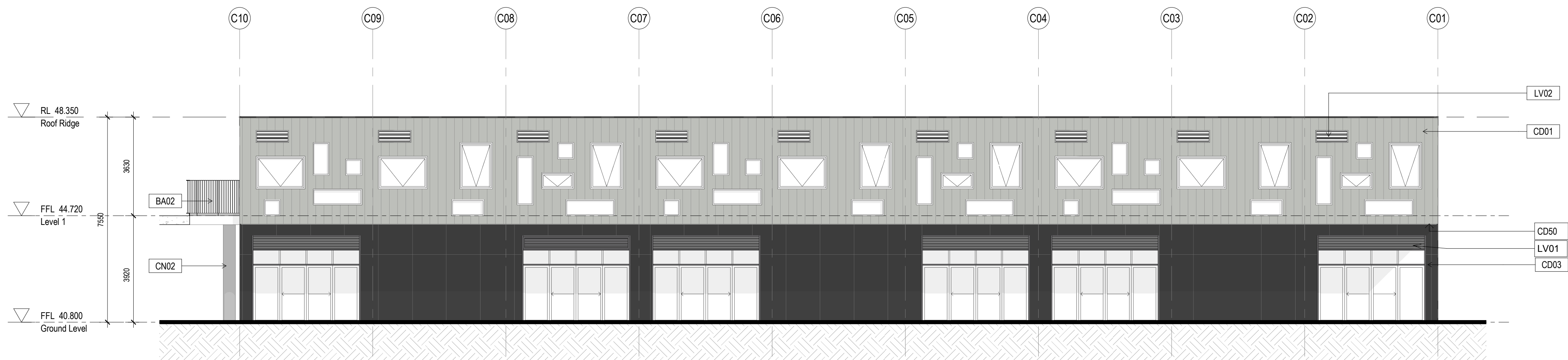
180646 JS-AR-3002 D

5/3/2019 4:02:39 PM





1 ELEVATION - BLOCK B2 - WEST  
1:100



2 ELEVATION - BLOCK B2 - EAST  
1:100

#### Elevation Notes:

1. Refer to technical schedule **COM-AR-9700** for boxed code descriptions
2. COLA roof structures removed from elevations for clarity. Refer to sections for details.
3. Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
4. Refer to **3300 Series** for Facade Setouts
5. Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
6. Refer also to Landscape & Civil drawings for External Works drawings
7. Refer to Modscape documentation for structural and cladding details to modular buildings

#### General Notes:

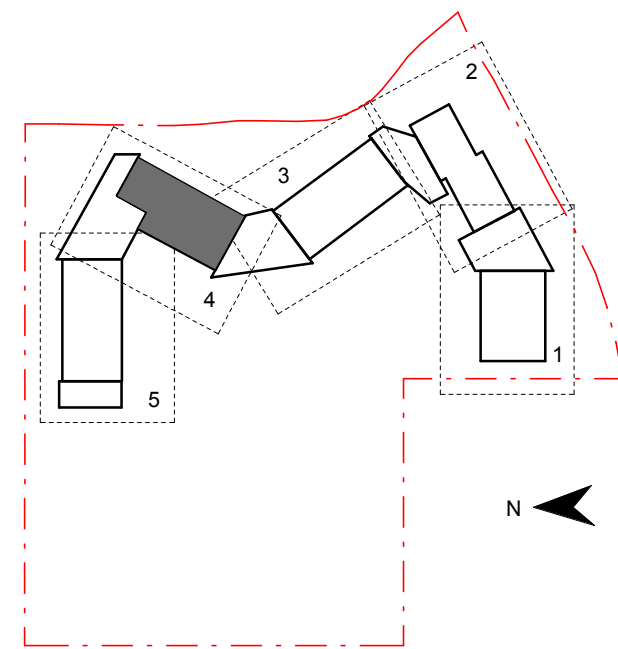
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4. All dimensions are in millimetres unless noted otherwise.
5. All dimensions shall be verified on site before proceeding
6. Any areas indicated on this sheet are approximate and indicative only.

#### Amendments

Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	24.04.2019
C	PROGRESS ISSUE	10.05.2019
D	SSD SUBMISSION	31.05.2019

#### Elevations Legend

BA01	Balustrade (Hot Dip Gal)
LV01	Louvre, powdercoated PC01 (Basalt)
LV02	Louvre, powdercoated PC02 (Shale Grey)
LV05	Louvre, powdercoated PC05 (Fresh Gold)
CD01	Aluminium interlocking panel Colorbond Shale Grey
CD03	Compressed Fibre Cement - Colour Granite
CD10	Aluminium interlocking panel Stryum Champagne
CD40	Aluminium sheet with timber appearance finish
CD70	Prefinished aluminium wall cladding trim
CN01	Exposed sealed concrete slab
CN02	Exposed sealed concrete wall / column
RA33	Roof mounted ventilator
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Roof Capping
ST10	Structural steel (Hot Dip Gal)



Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



**GROUP GSA**

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nom architect M. Sheldon 3990

Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**BUILDING 'B2'**  
**ELEVATIONS**

Scale @ A1 As Indicated

Drawing Created (date) 10/05/19

Drawing Created (by) RS

Plotted and checked by FT

Verified MP

Approved MB

Project No Drawing No Issue

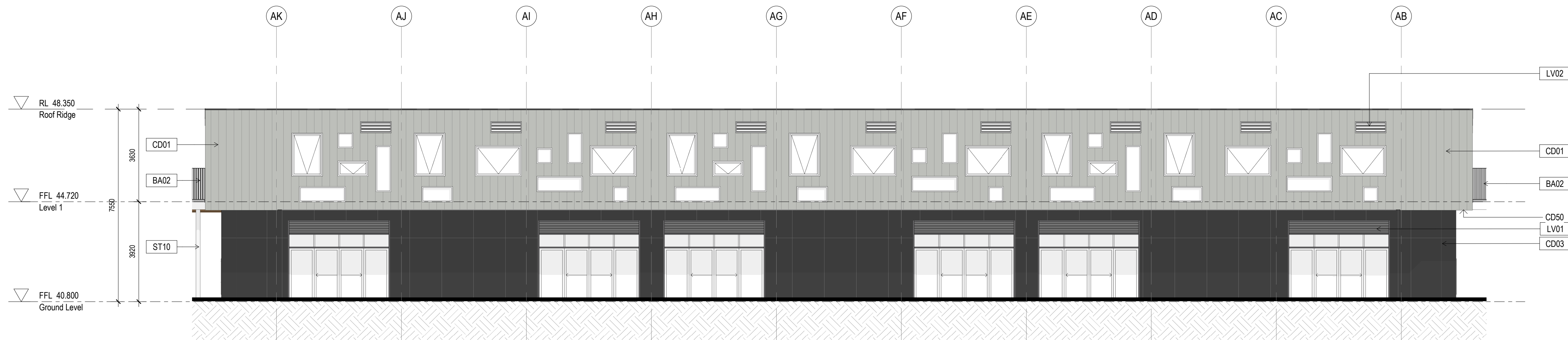
180646 JS-AR-3003 D

5/3/2019 4:03:14 PM





1 ELEVATION - BLOCK B3 - SOUTH  
1: 100



2 ELEVATION - BLOCK B3 - NORTH  
1: 100

Elevation Notes:

1. Refer to technical schedule **COM-AR-9700** for boxed code descriptions
2. COLA roof structures removed from elevations for clarity. Refer to sections for details.
3. Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
4. Refer to **3300 Series** for Facade Setouts
5. Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
6. Refer also to Landscape & Civil drawings for External Works drawings
7. Refer to Modscape documentation for structural and cladding details to modular buildings

General Notes:

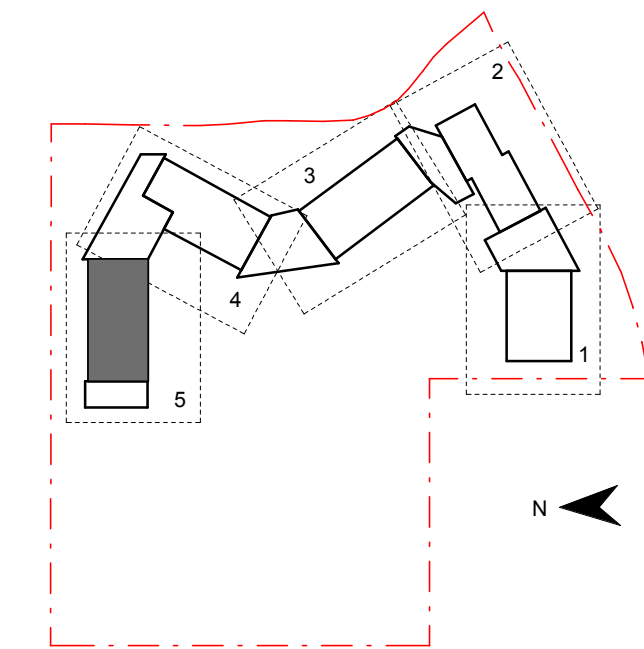
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Amendments

Issue	Description	Date
A	FOR COORDINATION	27.03.2019
B	DRAFT DETAILED DESIGN	24.04.2019
C	PROGRESS ISSUE	10.05.2019
D	SSD SUBMISSION	31.05.2019

Elevations Legend

BA01	Balustrade (Hot Dip Gal)
LV01	Louvre, powdercoated PC01 (Basalt)
LV02	Louvre, powdercoated PC02 (Shale Grey)
LV05	Louvre, powdercoated PC05 (Fresh Gold)
CD01	Aluminium interlocking panel Colorbond Shale Grey
CD03	Compressed Fibre Cement - Colour Granite
CD10	Aluminium interlocking panel Stryum Champagne
CD40	Aluminium sheet with timber appearance finish
CD70	Prefinished aluminium wall cladding trim
CN01	Exposed sealed concrete slab
CN02	Exposed sealed concrete wall / column
RA33	Roof mounted ventilator
RF01	Roof, Trimdek Colorbond Shale Grey
CD10	Skylight, Fibreglass
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF60	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Roof Capping
ST10	Structural steel (Hot Dip Gal)



Contractor

**RICHARD CROOKES**  
CONSTRUCTIONS

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Project Title

**JORDAN SPRINGS  
PUBLIC SCHOOL**

Drawing Title

**BUILDING 'B3'  
ELEVATIONS**

Scale @ A1 As indicated

Drawing Created (date) 10/05/19

Drawing Created (by) RS

Plotted and checked by FT

Verified MP

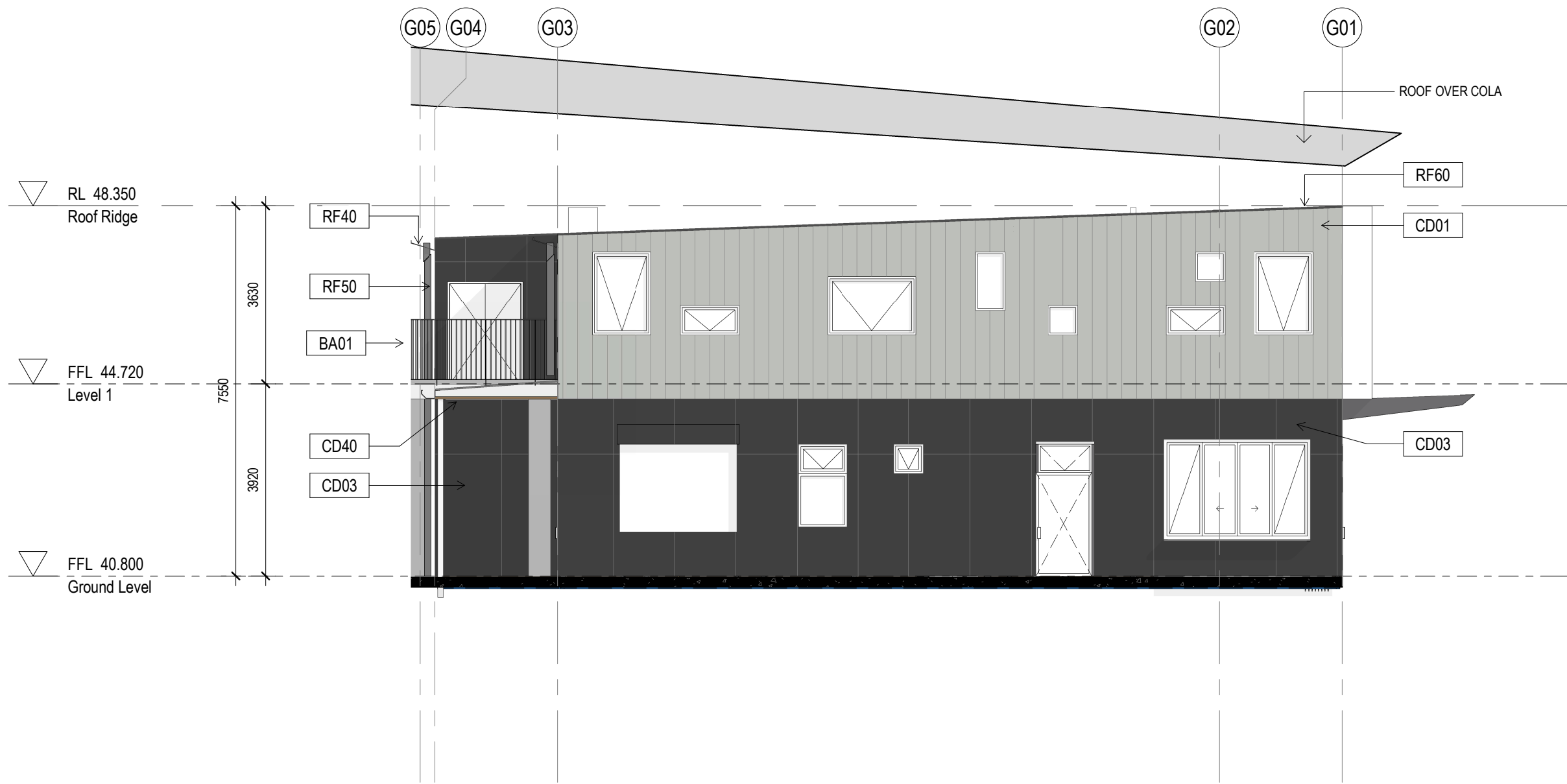
Approved MB

Project No Drawing No Issue

180646 JS-AR-3004 D

5/3/2019 4:30:40 PM





1 BUILDING A - WEST SECTION ELEVATION  
1: 100

Elevation Notes:

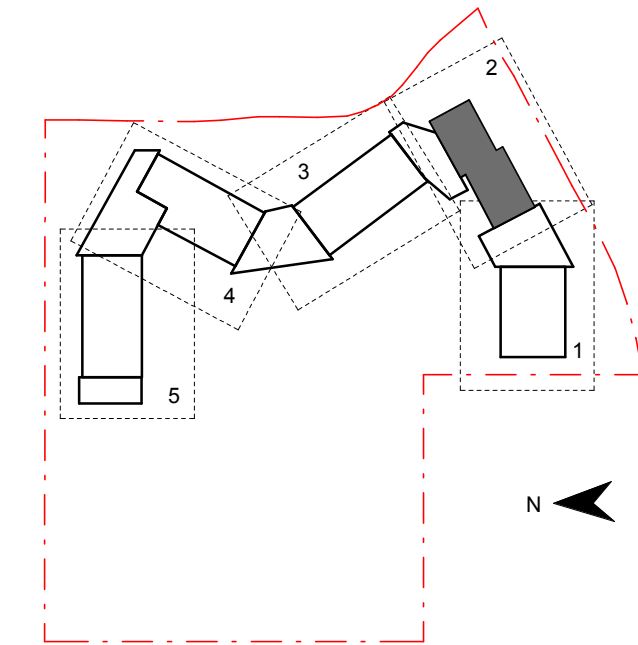
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
- COLA roof structures removed from elevations for clarity. Refer to sections for details.
- Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
- Refer to **3300 Series** for Facade Setouts
- Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
- Refer also to Landscape & Civil drawings for External Works drawings
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Amendments		
Issue	Description	Date
A	SSD SUBMISSION	31.05.2019

Elevations Legend

BA01	Balustrade (Hot Dip Gal)
LV01	Louvre, powdercoated PC01 (Basalt)
LV02	Louvre, powdercoated PC02 (Shale Grey)
LV05	Louvre, powdercoated PC05 (Fresh Gold)
CD01	Aluminium interlocking panel Colorbond Shale Grey
CD03	Compressed Fibre Cement - Colour Granite
CD10	Aluminium interlocking panel Stryum Champagne
CD40	Aluminium sheet with timber appearance finish
CD70	Prefinished aluminium wall cladding trim
CN01	Exposed sealed concrete slab
CN02	Exposed sealed concrete wall / column
RA33	Roof mounted ventilator
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Roof Capping
ST10	Structural steel (Hot Dip Gal)



Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



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Project Title

**JORDAN SPRINGS  
PUBLIC SCHOOL**

Drawing Title

**BUILDING 'A'  
SECTION-ELEVATIONS**

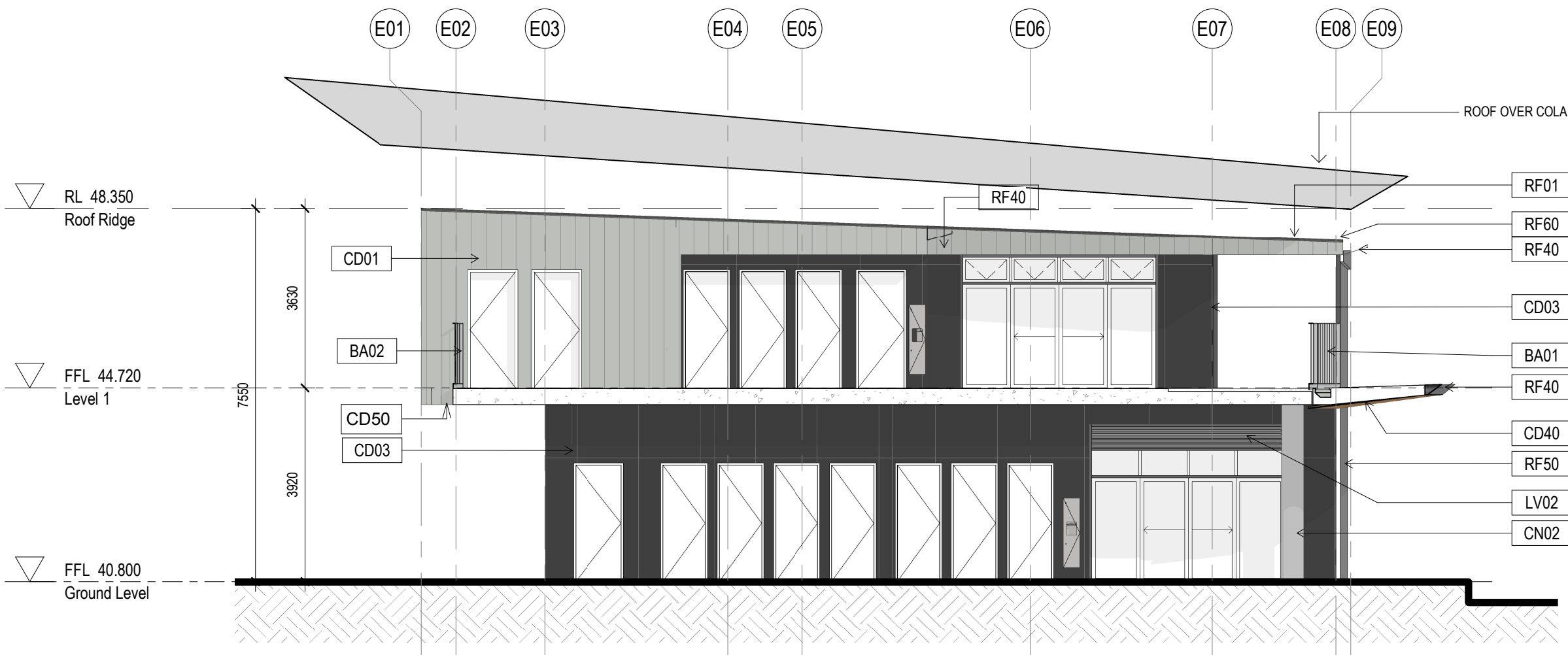
Scale @ A1		As indicated
Drawing Created (date)		05/30/19
Drawing Created (by)		Author
Plotted and checked by		Designer
Verified		Checker
Approved		Approver
Project No	Drawing No	Issue

180646 JS-AR-3050 A





1 HOMEBASE B1 - SOUTH SECTION ELEVATION  
1:100



2 HOMEBASE B1 -NORTH SECTION ELEVATION  
1:100

Elevation Notes:

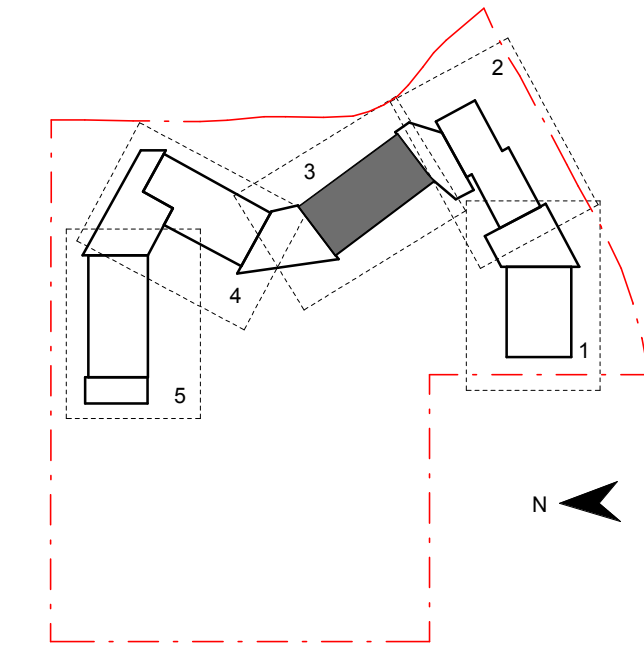
1. Refer to technical schedule **COM-AR-9700** for boxed code descriptions
2. COLA roof structures removed from elevations for clarity. Refer to sections for details.
3. Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
4. Refer to **3300 Series** for Facade Setouts
5. Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
6. Refer also to Landscape & Civil drawings for External Works drawings
7. Refer to Modscape documentation for structural and cladding details to modular buildings

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6. Any areas indicated on this sheet are approximate and indicative only.

Amendments		
Issue	Description	Date
A	SSD SUBMISSION	31.05.2019

Elevations Legend

BA01	Balustrade (Hot Dip Gal)
LV01	Louvre, powdercoated PC01 (Basalt)
LV02	Louvre, powdercoated PC02 (Shale Grey)
LV05	Louvre, powdercoated PC05 (Fresh Gold)
CD01	Aluminium interlocking panel Colorbond Shale Grey
CD03	Compressed Fibre Cement - Colour Granite
CD10	Aluminium interlocking panel Stryum Champagne
CD40	Aluminium sheet with timber appearance finish
CD70	Prefinished aluminium wall cladding trim
CN01	Exposed sealed concrete slab
CN02	Exposed sealed concrete wall / column
RA33	Roof mounted ventilator
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Roof Capping
ST10	Structural steel (Hot Dip Gal)



Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



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Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**BUILDING 'B1'**  
**SECTION-ELEVATIONS**

Scale @ A1 As Indicated

Drawing Created (date) 05/30/19

Drawing Created (by) Author

Plotted and checked by Designer

Verified Checker

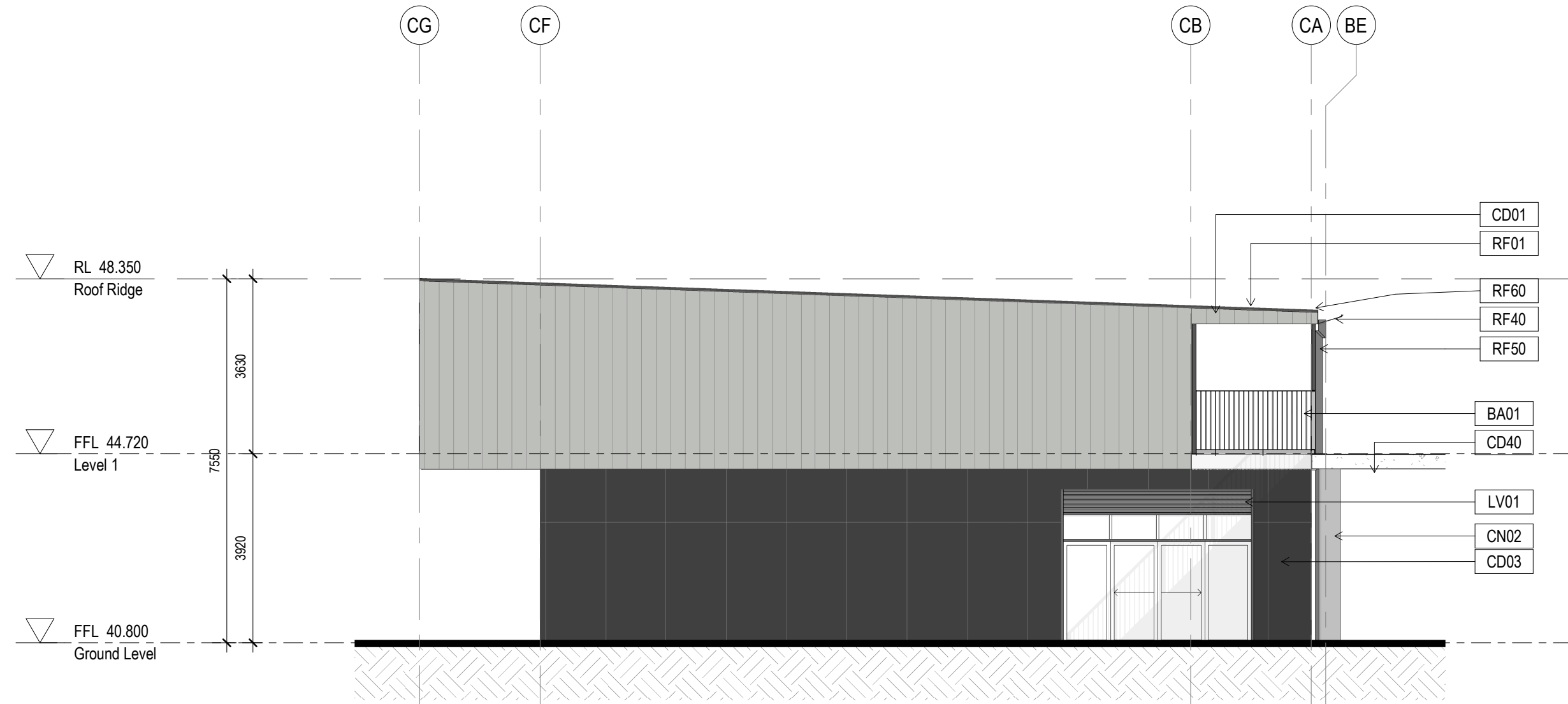
Approved Approver

Project No Drawing No Issue

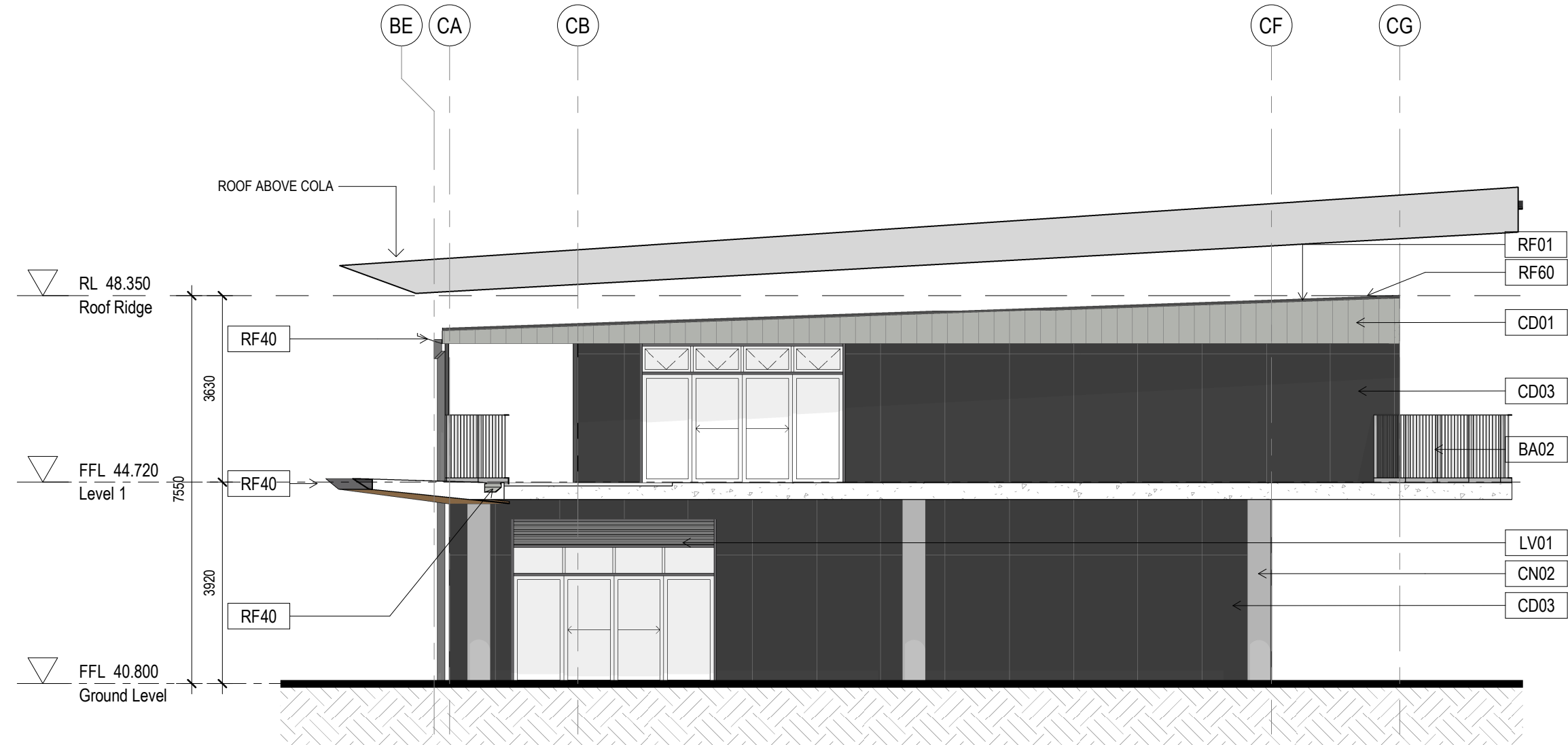
180646 JS-AR-3051 A

5/3/2019 3:43:06 PM





1 HOMEBASE B2 - NORTH SECTION ELEVATION  
1 : 100



2 HOMEBASE B2 - SOUTH SECTION ELEVATION  
1 : 100

Elevation Notes:

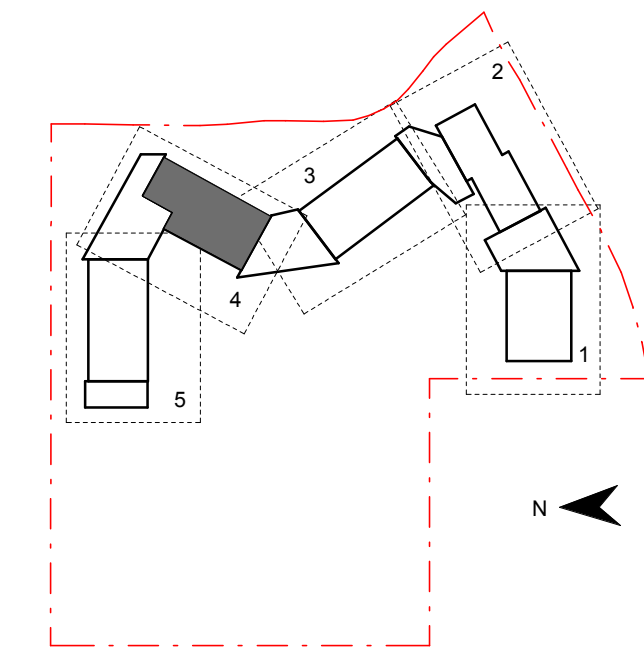
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
- COLA roof structures removed from elevations for clarity. Refer to sections for details.
- Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
- Refer to **3300 Series** for Facade Setouts
- Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
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Amendments		
Issue	Description	Date
A	SSD SUBMISSION	31.05.2019

Elevations Legend

BA01	Balustrade (Hot Dip Gal)
LV01	Louvre, powdercoated PC01 (Basalt)
LV02	Louvre, powdercoated PC02 (Shale Grey)
LV05	Louvre, powdercoated PC05 (Fresh Gold)
CD01	Aluminium interlocking panel Colorbond Shale Grey
CD03	Compressed Fibre Cement - Colour Granite
CD10	Aluminium interlocking panel Stryum Champagne
CD40	Aluminium sheet with timber appearance finish
CD70	Prefinished aluminium wall cladding trim
CN01	Exposed sealed concrete slab
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RA33	Roof mounted ventilator
RF01	Roof, Trimdek Colorbond Shale Grey
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Roof Capping
ST10	Structural steel (Hot Dip Gal)



Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



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Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**BUILDING 'B2'**  
**SECTION-ELEVATIONS**

Scale @ A1		As indicated
Drawing Created (date)		05/30/19
Drawing Created (by)		Author
Plotted and checked by		Designer
Verified		Checker
Approved		Approver
Project No	Drawing No	Issue

180646 JS-AR-3052 A

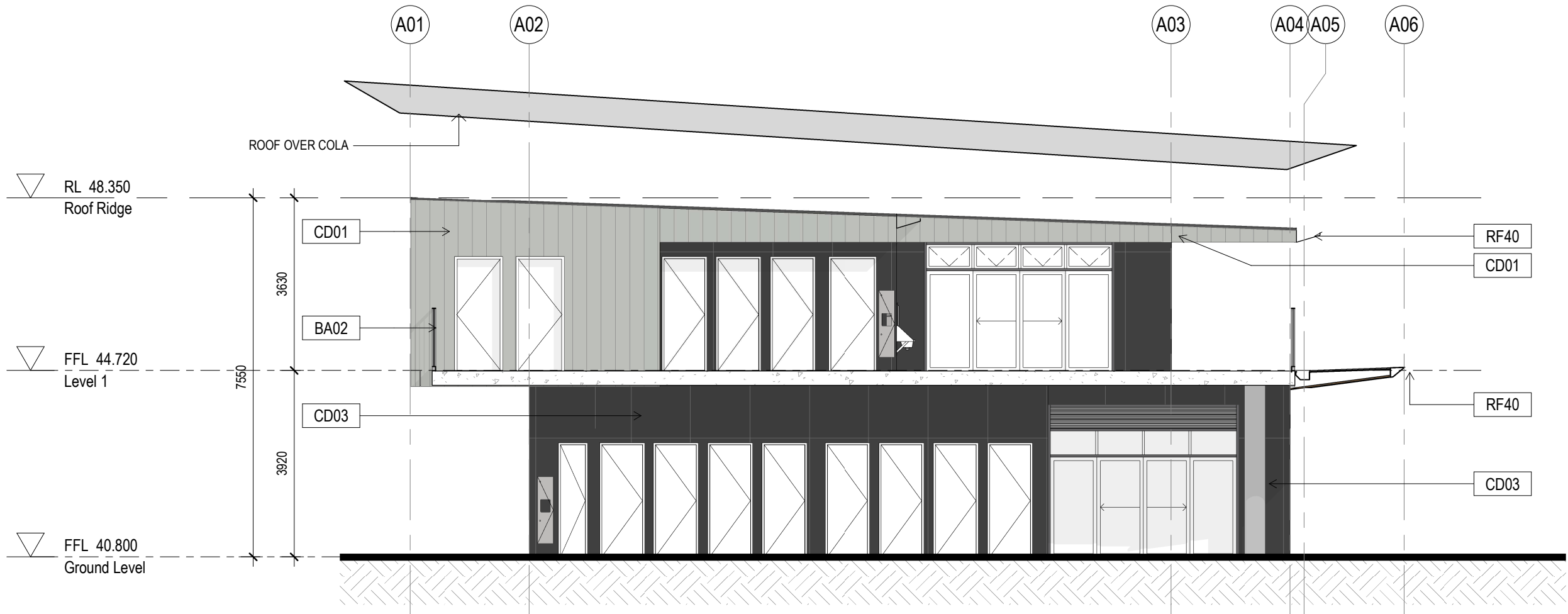
5/3/2019 3:43:27 PM





1 HOMEBASE B3 - EAST SECTION ELEVATION

1 : 100



2 HOMEBASE B3 - WEST SECTION ELEVATION

1 : 100

Elevation Notes:

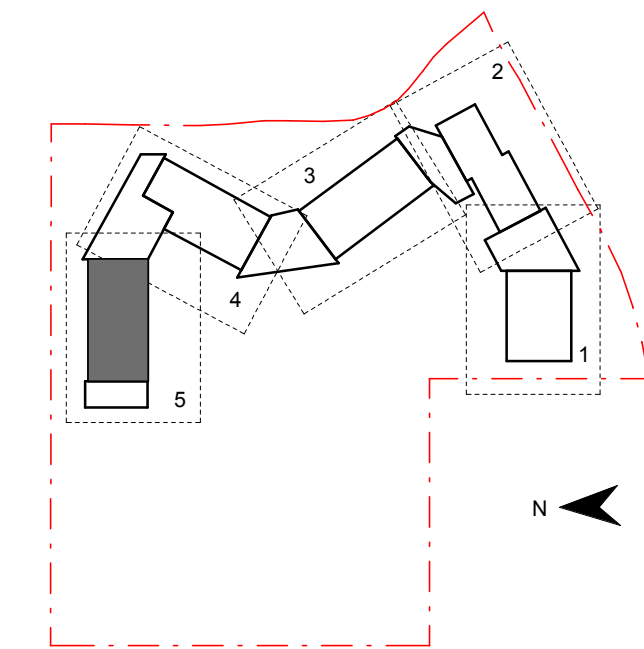
1. Refer to technical schedule **COM-AR-9700** for boxed code descriptions
2. COLA roof structures removed from elevations for clarity. Refer to sections for details.
3. Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
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5. Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
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Amendments		
Issue	Description	Date
A	SSD SUBMISSION	31.05.2019

Elevations Legend

BA01	Balustrade (Hot Dip Gal)
LV01	Louvre, powdercoated PC01 (Basalt)
LV02	Louvre, powdercoated PC02 (Shale Grey)
LV05	Louvre, powdercoated PC05 (Fresh Gold)
CD01	Aluminium interlocking panel Colorbond Shale Grey
CD03	Compressed Fibre Cement - Colour Granite
CD10	Aluminium interlocking panel Stryum Champagne
CD40	Aluminium sheet with timber appearance finish
CD70	Prefinished aluminium wall cladding trim
CN01	Exposed sealed concrete slab
CN02	Exposed sealed concrete wall / column
RA33	Roof mounted ventilator
RF01	Roof, Trimdek Colorbond Basalt
RF02	Roof, Trimdek Colorbond Basalt
RF10	Skylight, Fibreglass
RF40	Gutter, Colorbond Basalt
RF41	Gutter, Colorbond Shale Grey
RF50	Downpipes, Colorbond Basalt
RF51	Downpipes, Colorbond Shale Grey
RF60	Roof Capping
ST10	Structural steel (Hot Dip Gal)



Contractor

**RICHARD CROOKES**  
CONSTRUCTIONS

Client



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Project Title

**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

**BUILDING 'B3'**  
**SECTION-ELEVATIONS**

Scale @ A1 As Indicated

Drawing Created (date) 05/29/19

Drawing Created (by) Author

Plotted and checked by Designer

Verified Checker

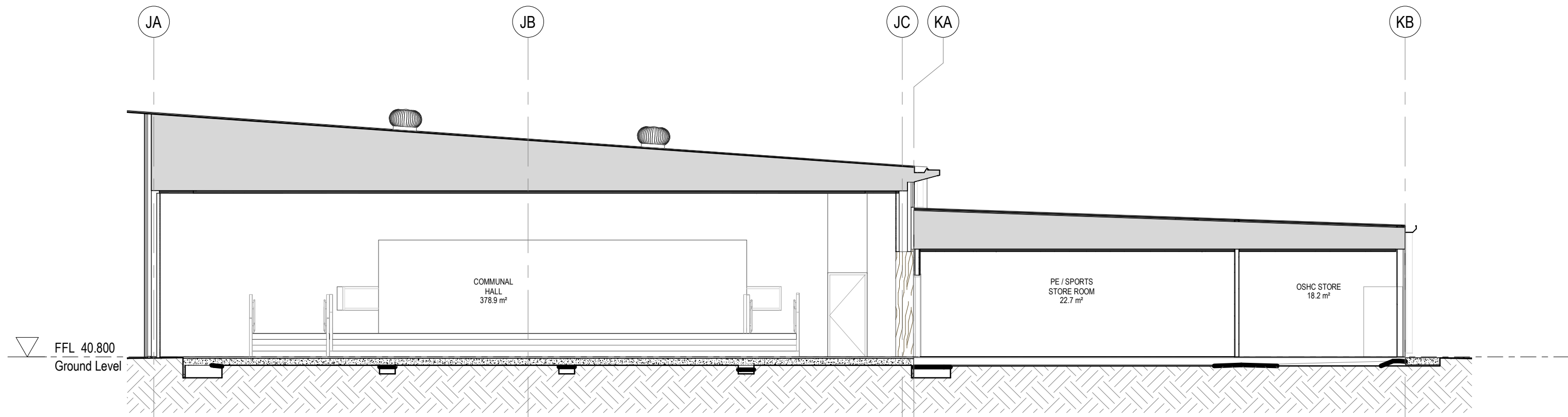
Approved Approver

Project No Drawing No Issue

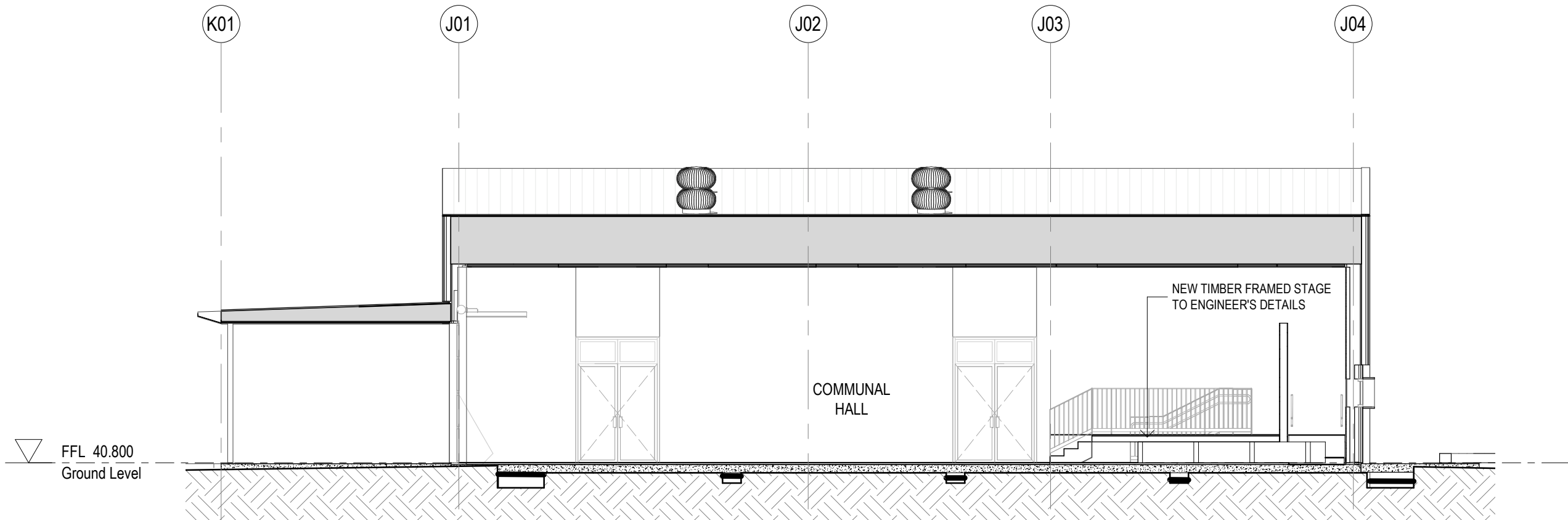
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5/3/2019 3:43:38 PM

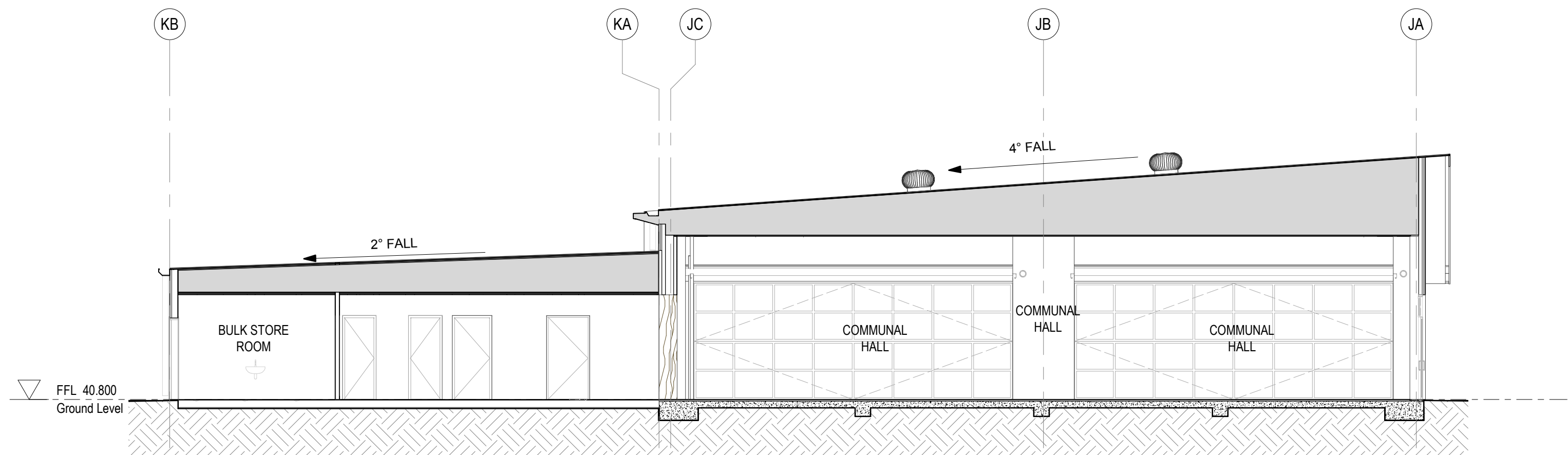




1 SECTION 03 - BLOCK C HALL  
1:100



2 SECTION 02 - BLOCK C HALL  
1:100

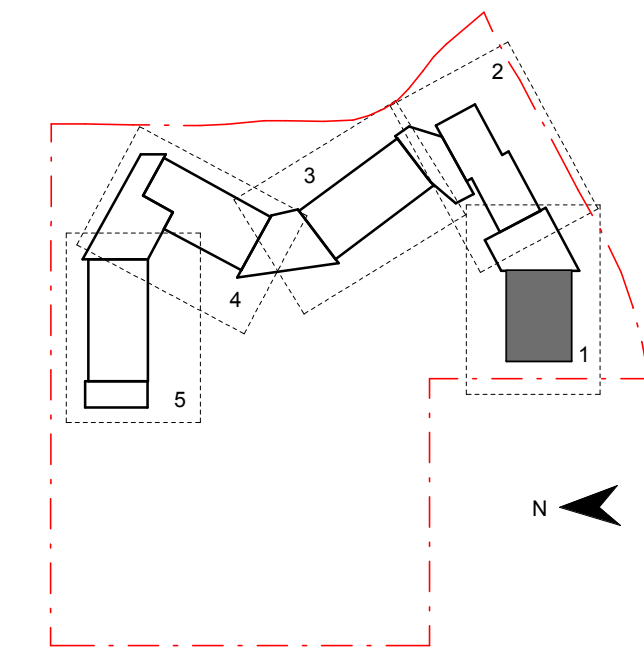


3 SECTION 01 - BLOCK C HALL  
1:100

- Section Notes:**
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
  - All light switches to be at 1000mm above FFL and no less than 500 from internal corner
  - All inground stormwater connections to terminate at concrete level
  - Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
  - Refer to **2300 Series** for structural setout of insitu concrete and steel columns. To be read in conjunction with structural engineers details.
  - Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
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Amendments		
Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	SSD SUBMISSION	31.05.2019



Contractor  
**RICHARD CROOKES**  
CONSTRUCTIONS

Client  
**NSW GOVERNMENT** Education

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nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

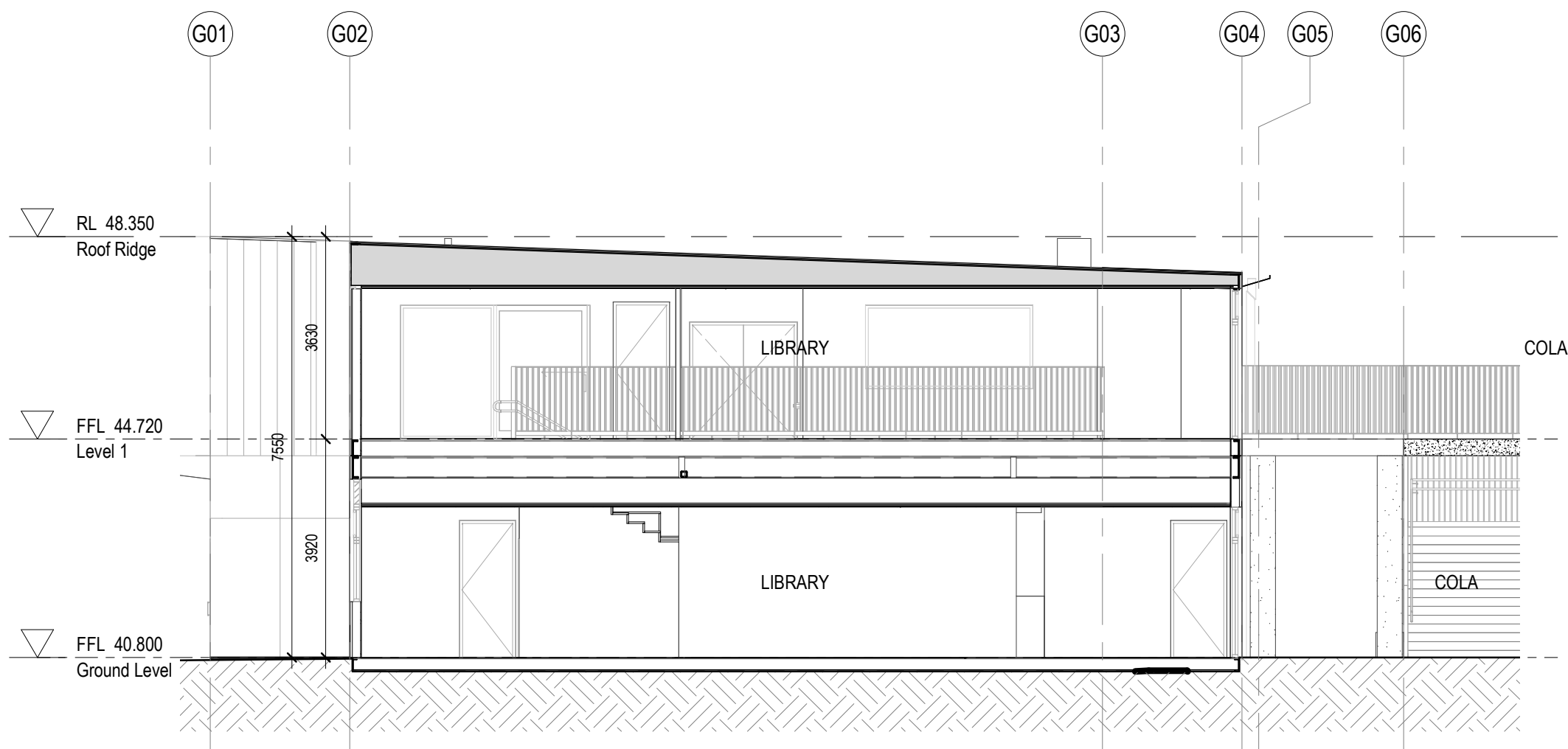
**SECTIONS - BLOCK C**

Scale @ A1		As indicated
Drawing Created (date)		10/05/19
Drawing Created (by)		FC
Plotted and checked by		HK
Verified		FC
Approved		MP
Project No	Drawing No	Issue

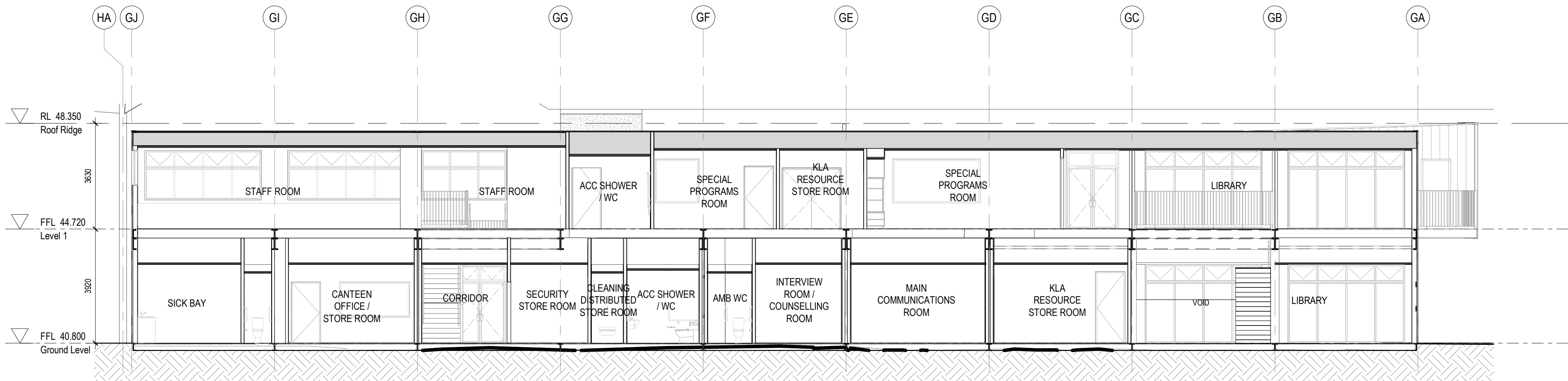
180646 JS-AR-3100 B

5/3/2019 3:43 PM





1 SECTION 01 - BLOCK A ADMIN  
1 : 100

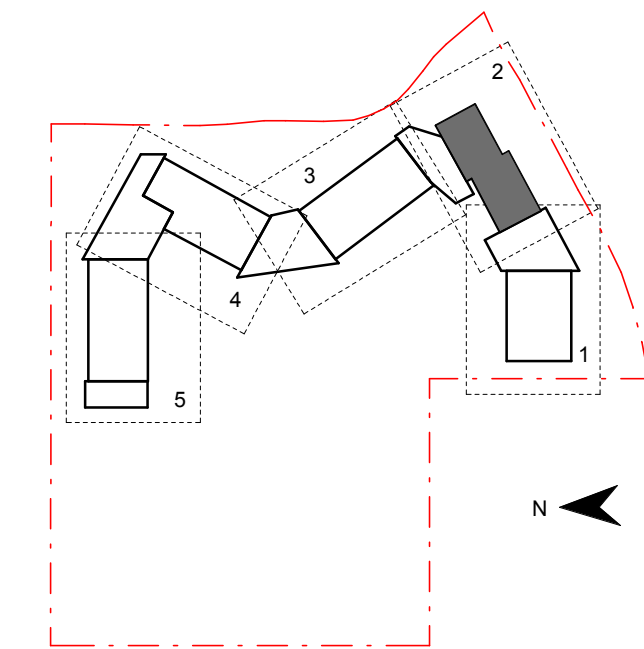


2 SECTION 02 - BLOCK A ADMIN  
1 : 100

- Section Notes:**
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
  - All light switches to be at 1000mm above FFL and no less than 500 from internal corner
  - All inground stormwater connections to terminate at concrete level
  - Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
  - Refer to **2300 Series** for structural setout of insitu concrete and steel columns. To be read in conjunction with structural engineers details.
  - Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
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Amendments		
Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	SSD SUBMISSION	31.05.2019



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nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

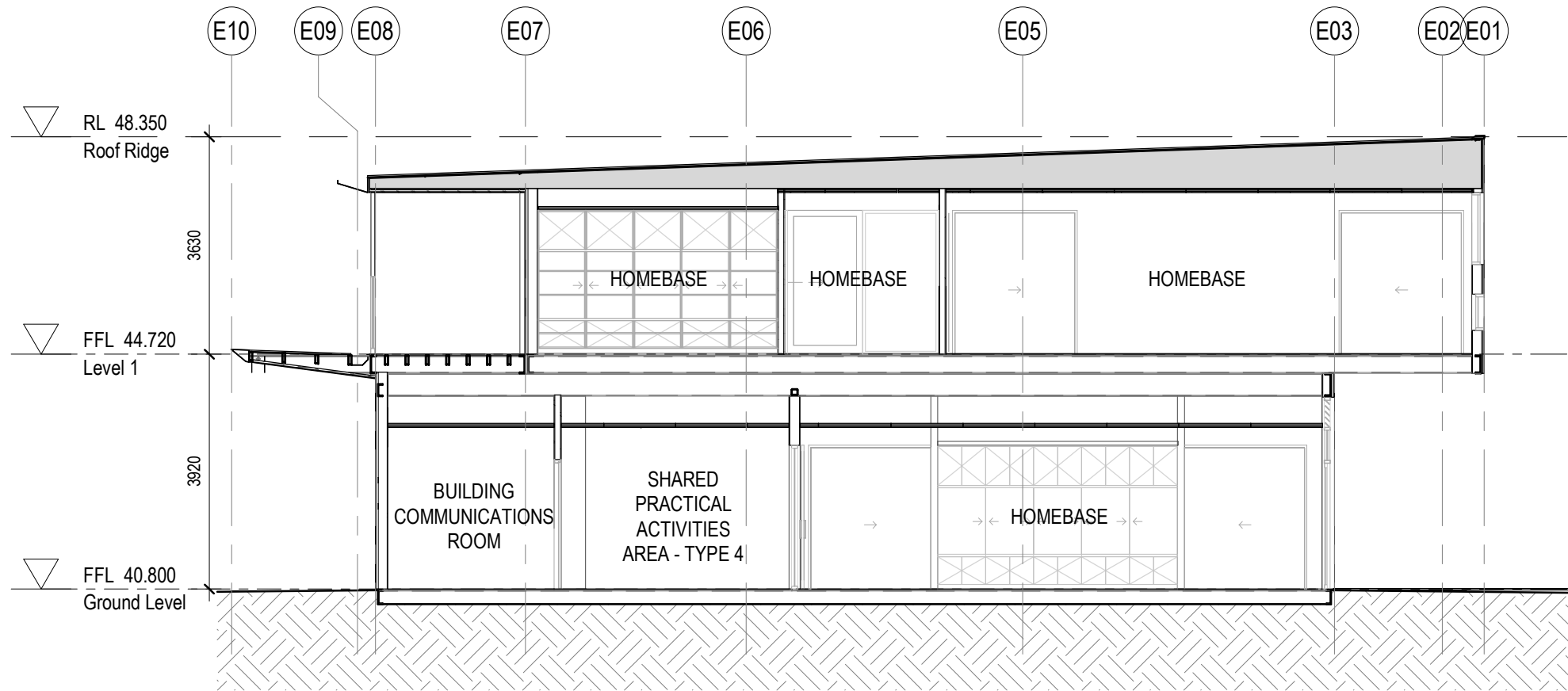
**SECTIONS - BLOCK A**

Scale @ A1		As indicated
Drawing Created (date)		10/05/19
Drawing Created (by)		FC
Plotted and checked by		HK
Verified		FC
Approved		MP
Project No	Drawing No	Issue

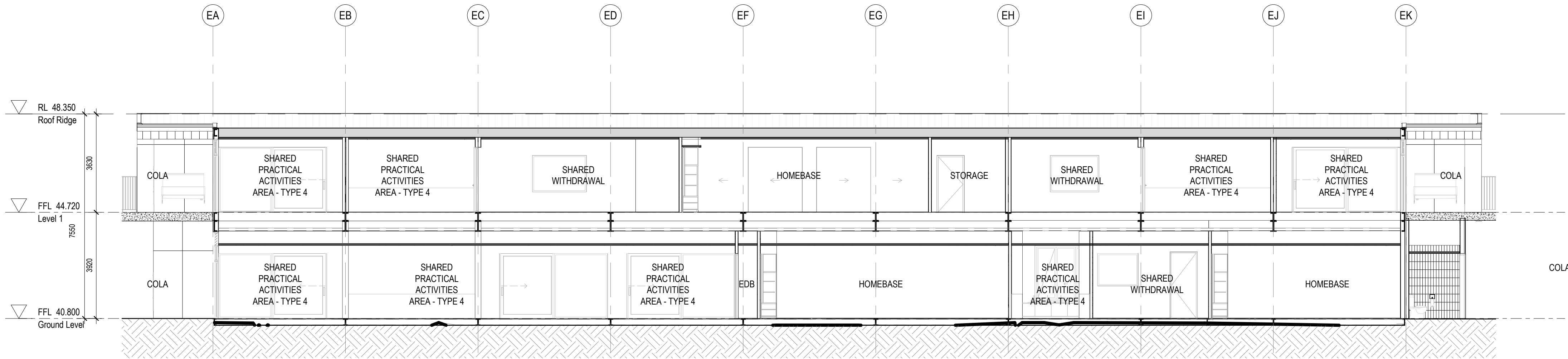
180646 JS-AR-3101 B

5/3/2019 3:43:53 PM





1 SECTION 01 - BLOCK B1  
1 : 100

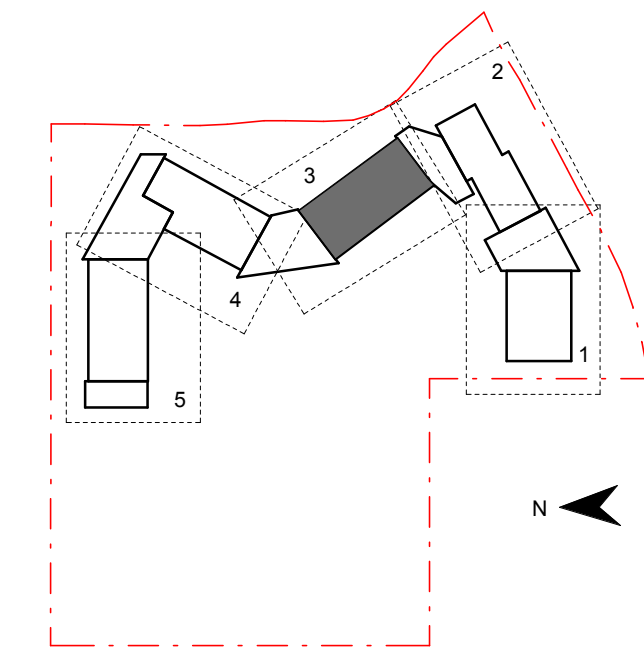


2 SECTION 02 - BLOCK B1  
1 : 100

- Section Notes:**
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
  - All light switches to be at 1000mm above FFL and no less than 500 from internal corner
  - All inground stormwater connections to terminate at concrete level
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  - Refer to **2300 Series** for structural setout of insitu concrete and steel columns. To be read in conjunction with structural engineers details.
  - Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
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6. Any areas indicated on this sheet are approximate and indicative only.

Amendments		Date
Issue	Description	
A	PROGRESS ISSUE	10.05.2019
B	SSD SUBMISSION	31.05.2019



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

Client  
**NSW GOVERNMENT Education**

**GROUP GSA**

Group GSA Pty Ltd ABN 76 002 113 779  
Level 7, 80 William St East Sydney NSW  
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www.groupgsa.com

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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

Drawing Title

## SECTIONS - BLOCK B1

Scale @ A1		As indicated
Drawing Created (date)		10/05/19
Drawing Created (by)		FC
Plotted and checked by		HK
Verified		FC
Approved		MP
Project No	Drawing No	Issue
180646	JS-AR-3102	B

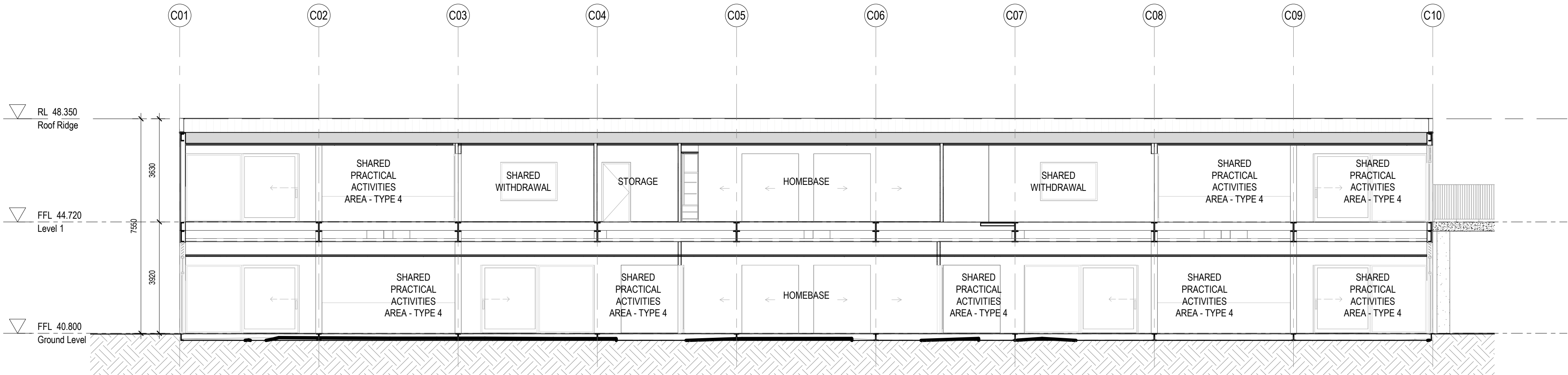
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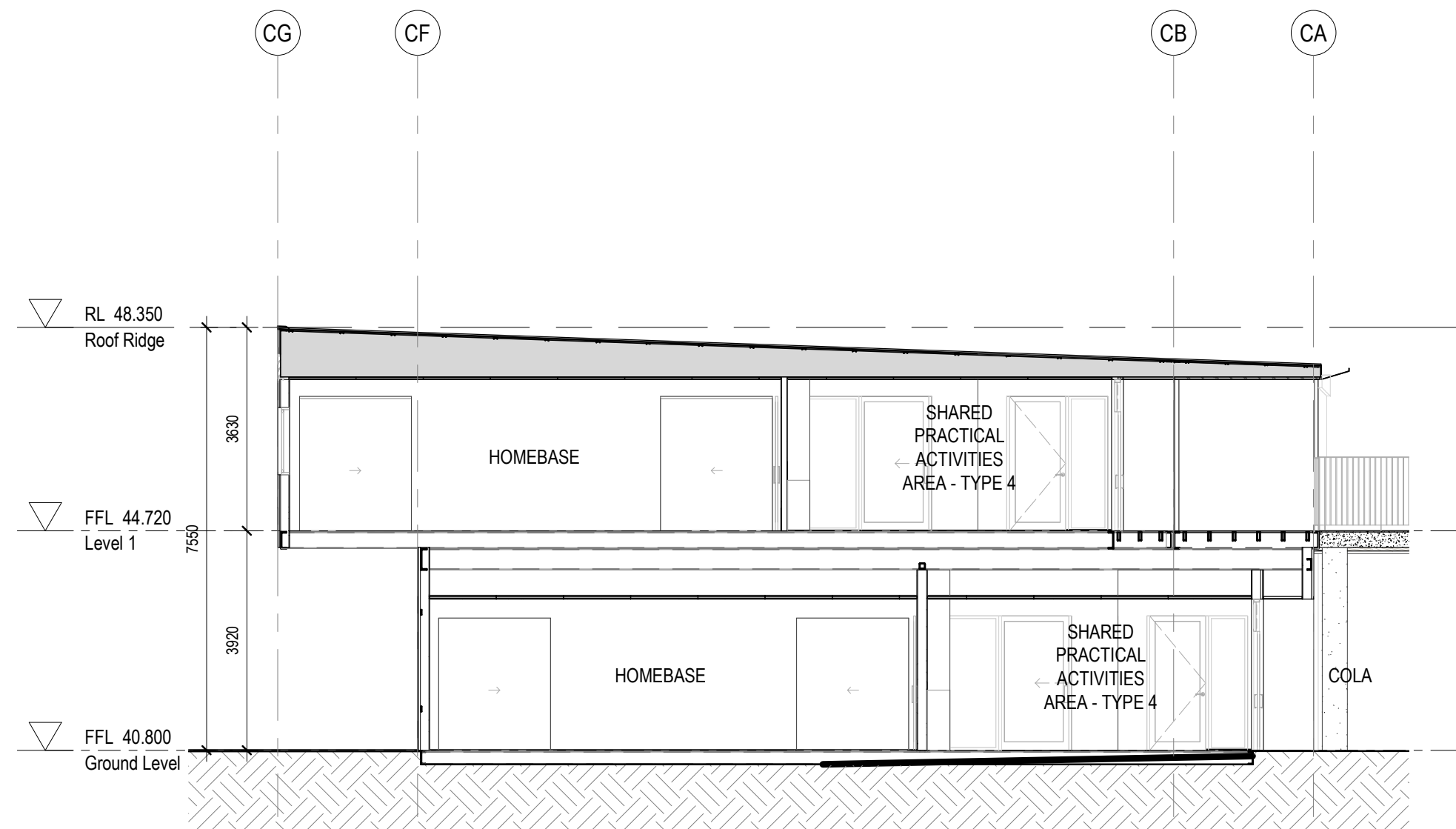
- Section Notes:**
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
  - All light switches to be at 1000mm above FFL and no less than 500 from internal corner
  - All inground stormwater connections to terminate at concrete level
  - Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
  - Refer to **2300 Series** for structural setout of insitu concrete and steel columns. To be read in conjunction with structural engineers details.
  - Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
  - Refer also to Landscape & Civil drawings for External Works drawings
  - Refer to Modscape documentation for all details to modular buildings

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4. All dimensions are in millimetres unless noted otherwise.  
5. All dimensions shall be verified on site before proceeding  
6. Any areas indicated on this sheet are approximate and indicative only.

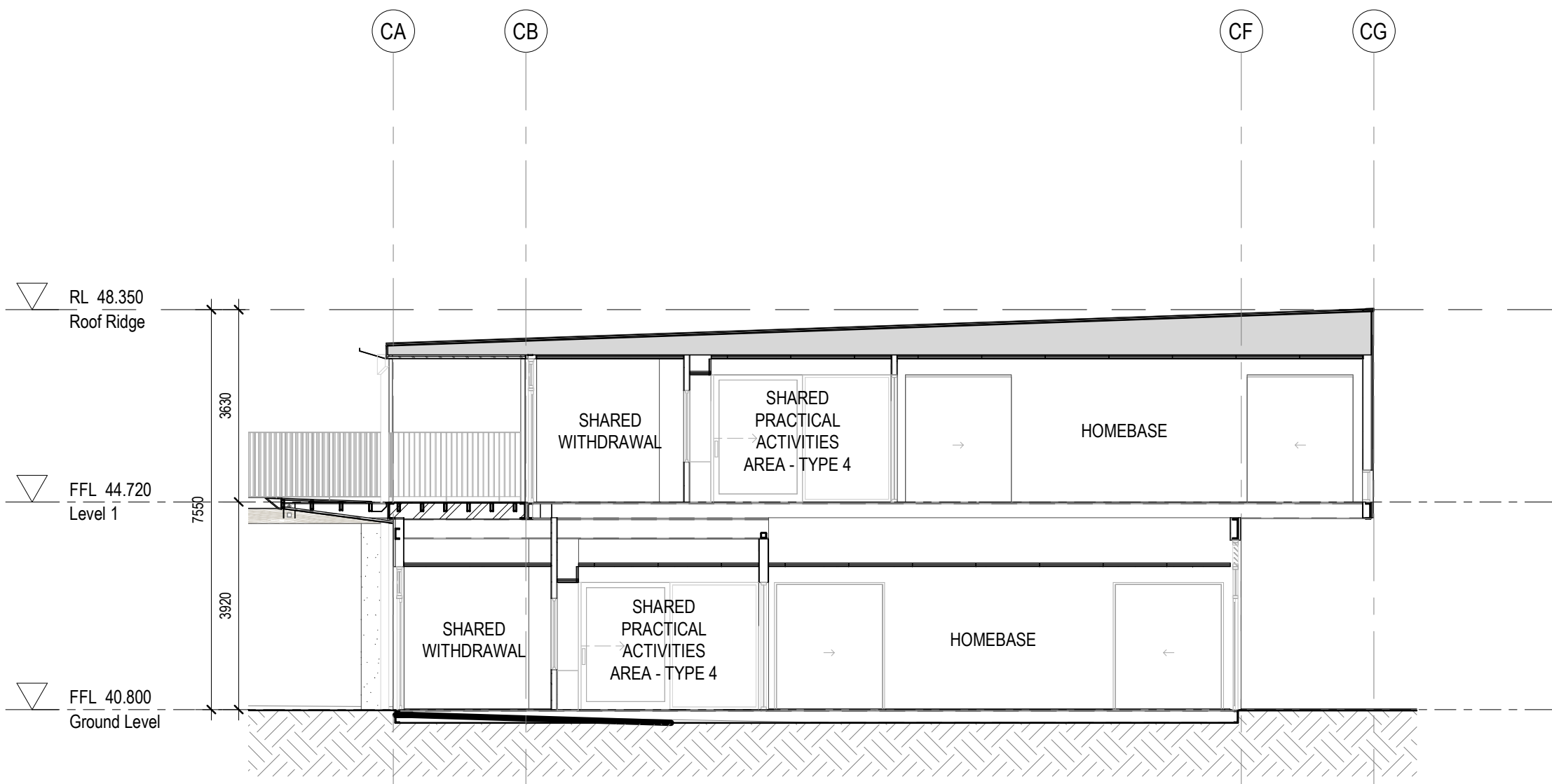
Amendments		
Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	SSD SUBMISSION	31.05.2019



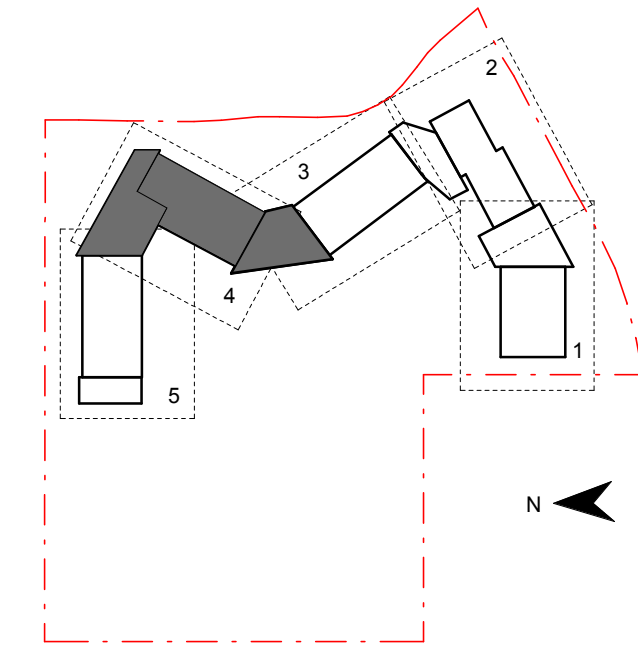
1 SECTION 01 - BLOCK B2  
1:100



2 SECTION 02 - BLOCK B2  
1:100



3 SECTION 03 - BLOCK B2  
1:100



Contractor  
**RICHARD CROOKES**  
CONSTRUCTIONS

Client  
**NSW GOVERNMENT** Education

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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title  
**JORDAN SPRINGS**  
**PUBLIC SCHOOL**

Drawing Title

SECTIONS - BLOCK B2

Scale @ A1		As indicated
Drawing Created (date)		10/05/19
Drawing Created (by)		OM
Plotted and checked by		OM
Verified		OM
Approved		MB
Project No	Drawing No	Issue

180646 JS-AR-3103 B

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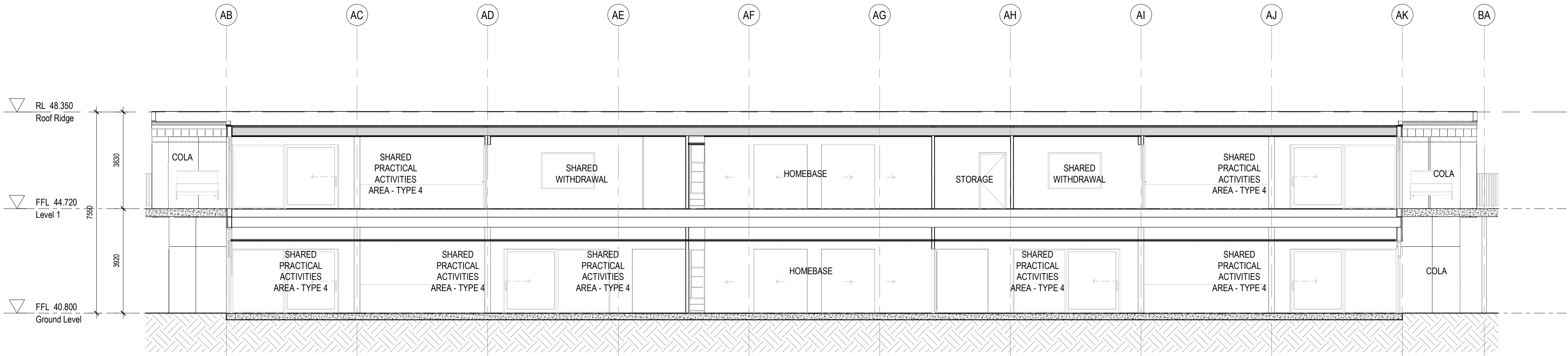


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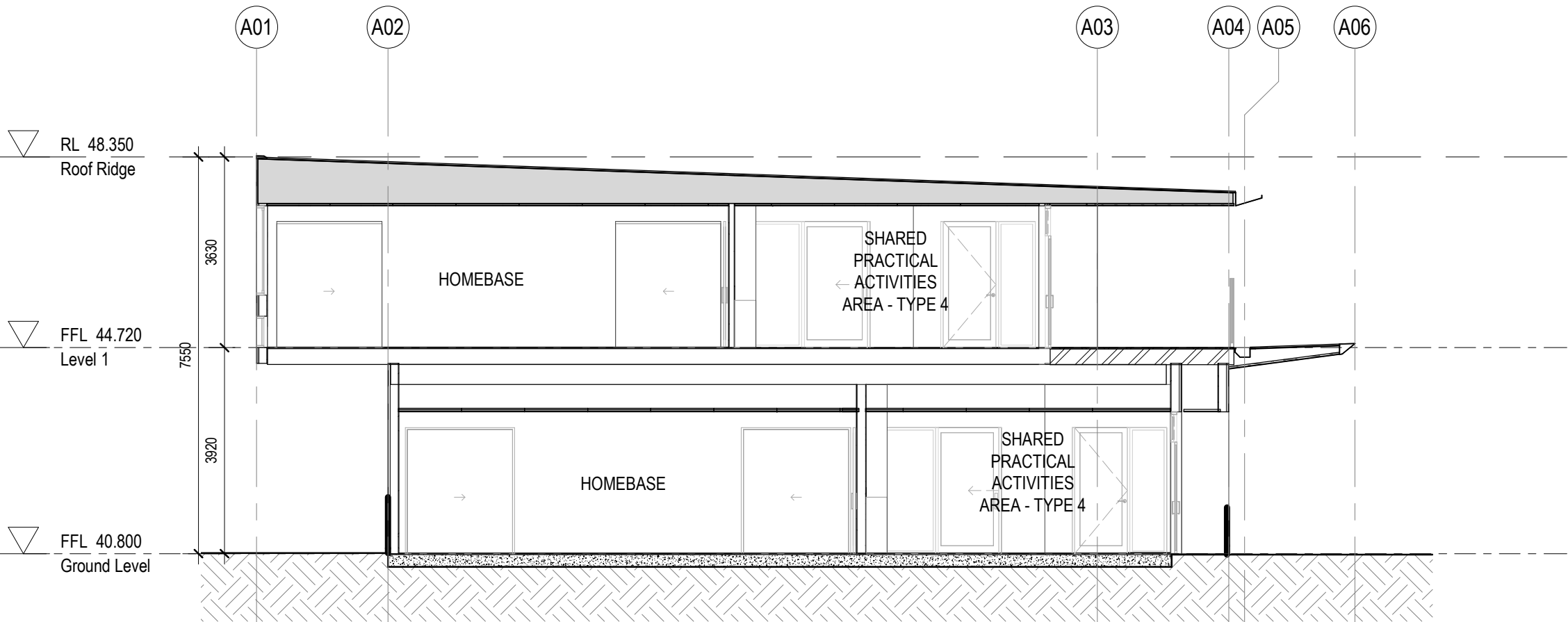
1. Refer to technical schedule **COM-AR-9700** for boxed code descriptions
2. All light switches to be at 1000mm above FFL and no less than 500 from internal corner
3. All inground stormwater connections to terminate at concrete level
4. Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
5. Refer to **2300 Series** for structural setout of insitu concrete and steel columns. To be read in conjunction with structural engineers details.
6. Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
7. Refer also to Landscape & Civil drawings for External Works drawings
8. Refer to Modscape documentation for all details to modular buildings

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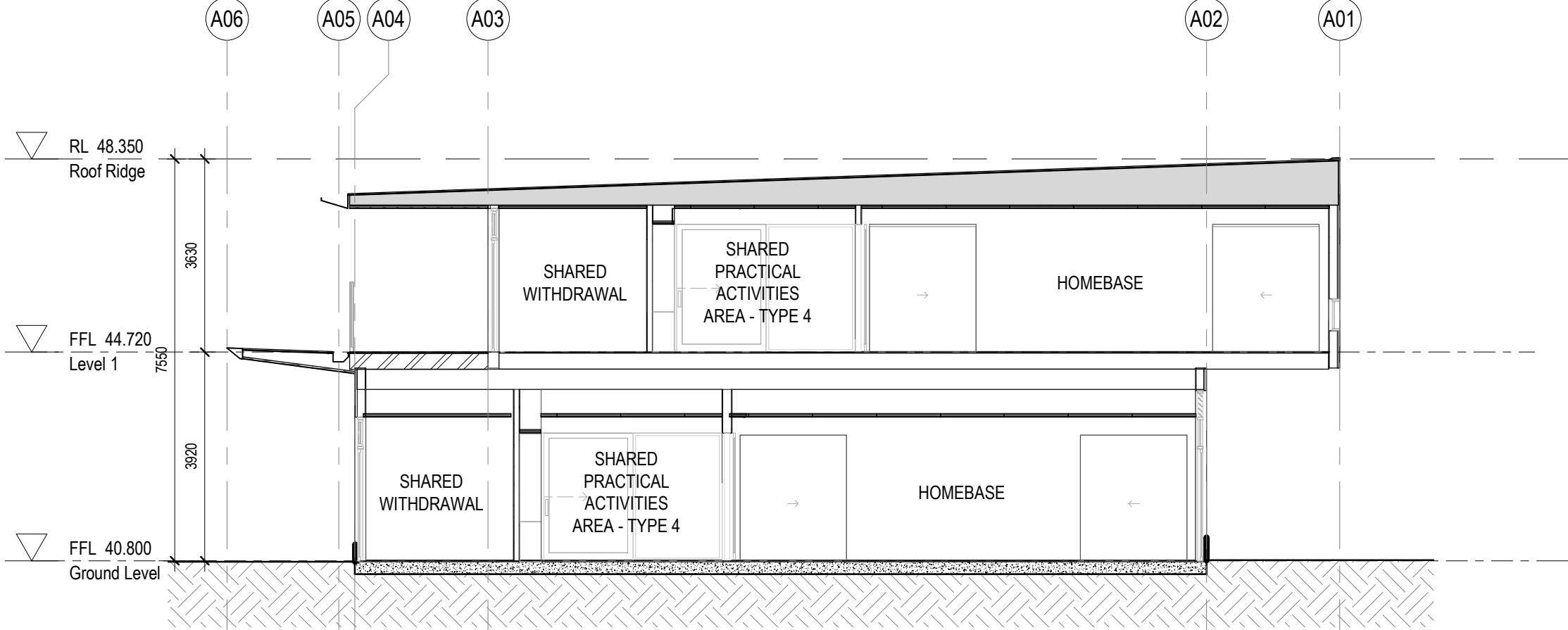
Amendments		
Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	SSD SUBMISSION	31.05.2019



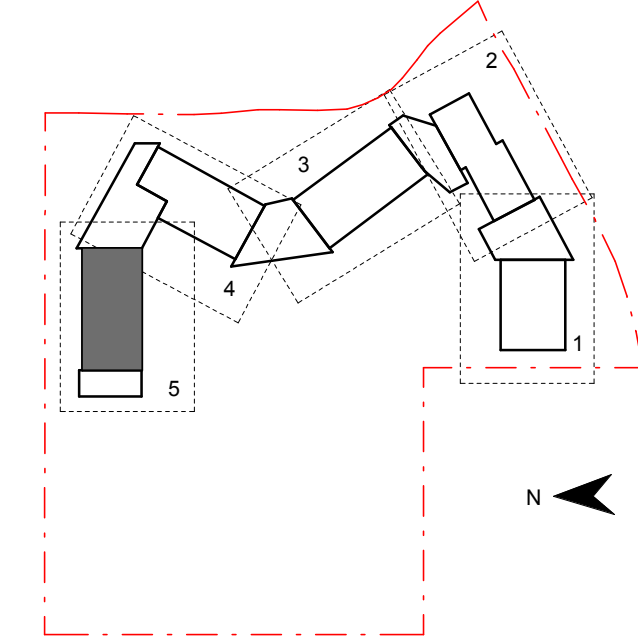
1 SECTION 01 - BLOCK B3  
1: 100



2 SECTION 02 - BLOCK B3  
1: 100



3 SECTION 03 - BLOCK B3  
1: 100



Contractor  
**RICHARD CROOKES CONSTRUCTIONS**

Client  
**NSW GOVERNMENT Education**

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architecture interior design urban design landscape  
nom architect M. Sheldon 5990

Project Title  
**JORDAN SPRINGS PUBLIC SCHOOL**

Drawing Title

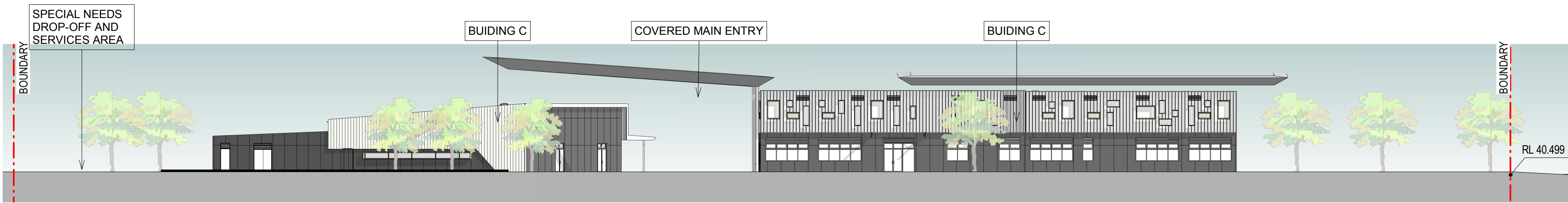
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Drawing Created (by)		OM
Plotted and checked by		OM
Verified		OM
Approved		MB
Project No	Drawing No	Issue

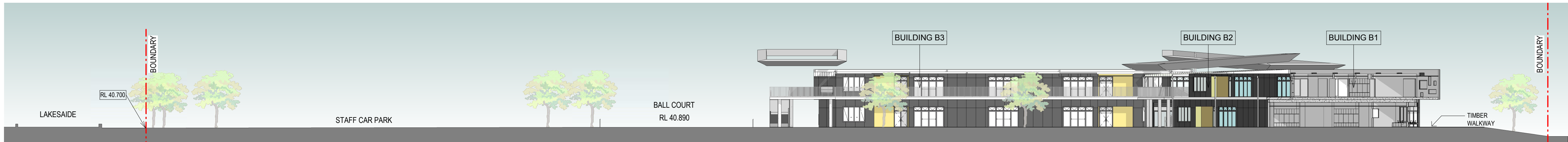
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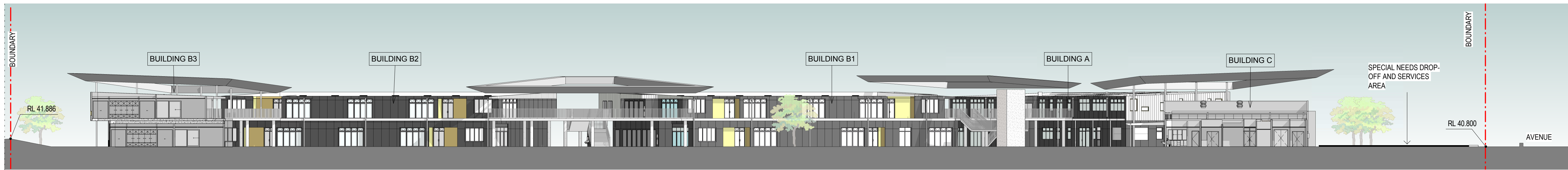




1 AVENUE STREET SCAPE ELEVATION  
1:300



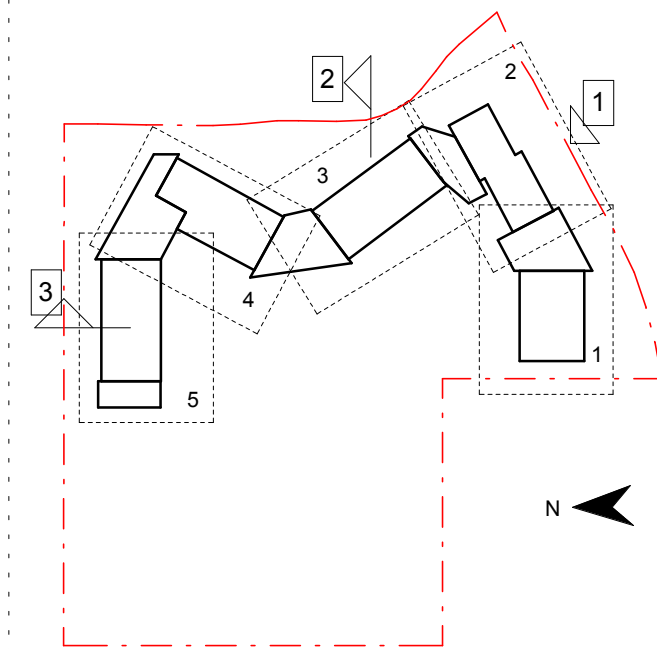
2 SITE SECTION EAST -WEST  
1:300



3 SITE SECTION NORTH -SOUTH  
1:300

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Amendments		Date
Issue	Description	
A	SSD SUBMISSION	31.05.2019



PRELIMINARY

Contractor

**RICHARD CROOKES**  
**CONSTRUCTIONS**

Client



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architecture interior design urban design landscape  
nom architect M. Sheldon 3990

Project Title

**JORDAN SPRINGS  
PUBLIC SCHOOL**

Drawing Title

**STREETSCAPE  
ELEVATION & SITE  
SECTIONS**

Scale @ A1 1:300

Drawing Created (date) 05/29/19

Drawing Created (by) Author

Plotted and checked by Designer

Verified Checker

Approved Approver

Project No Drawing No Issue

180646 JS-AR-3150 A

5/3/2019 3:46:27 PM



# JORDAN SPRINGS PUBLIC SCHOOL - 14-28 CULLEN AVE, JORDAN SPRINGS CIVIL ENGINEERING WORKS PACKAGE



SOURCE : NEARMAP.COM.AU (©2015)

## CIVIL DRAWING SCHEDULE





DWG No.	DRAWING TITLE
DAC01.01	COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN
DAC01.11	SPECIFICATION NOTES
DAC01.21	GENERAL ARRANGEMENT PLAN
DAC02.01	SEDIMENT AND SOIL EROSION CONTROL PLAN
DAC02.11	SEDIMENT AND SOIL EROSION CONTROL DETAILS
DAC03.01	BULK EARTHWORKS CUT AND FILL PLAN
DAC04.01	SITWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 01
DAC04.02	SITWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 02
DAC04.03	SITWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 03
DAC04.21	STORMWATER LONGITUDINAL SECTIONS - SHEET 01
DAC04.22	STORMWATER LONGITUDINAL SECTIONS - SHEET 02
DAC04.23	STORMWATER LONGITUDINAL SECTIONS - SHEET 03
DAC04.31	BIORETENTION BASIN DETAILS - SHEET 01
DAC09.01	DETAILS - SHEET 01

**VERIFIER:**

**JOB MANAGER:** J. GILLIGAN

DESIGNED: J. GRINSELL

DRAWN: C. PASKE

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	PROJECT	DRAWING TITLE	JOB NUMBER
1	ISSUED FOR SSDA	VC		JG	25.01.19				JORDAN SPRINGS PRIMARY SCHOOL	182535
2	ISSUED FOR REF APPROVAL	JRG		JG	06.02.19					
3	ISSUED FOR DEVELOPMENT APPLICATION	JRG		JG	13.02.19					
4	ISSUED FOR SSDA	VC		JG	31.05.19					
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS REVISION SIGNATURE HAS BEEN ADDED.	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD	SCALE 1:2000 @ A1 	14-28 CULLEN AVENUE, JORDAN SPRINGS	COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN
DRAWING SHEET SIZE = A1										



NOTE: ALL CIVIL ENGINEERING CONSTRUCTION WORKS TO BE CARRIED OUT IN ACCORDANCE WITH PENRITH CITY COUNCIL DEVELOPMENT GUIDELINES.THE AFOREMENTIONED GUIDELINES INCLUSIVE OF ALL SPECIFICATIONS TAKE PRECEDENCE OVER NOTES PROVIDED BELOW.

STORMWATER DRAINAGE
<div><div><div>1.</div><div>ALL DRAINAGE LINES SHALL BE UPVC (CLASS SN4) SEWER GRADE DRAINAGE PIPE, U.N.O.</div></div><div><div>2.</div><div>ALL DRAINAGE LINES SHALL BE LAID AT 1% MIN. FALL, UNO.</div></div><div><div>3.</div><div>ALL LEVELS ARE AUSTRALIAN HEIGHT DATUM (AHD).</div></div><div><div>4.</div><div>ALL DOWNPIPES GUTTERS TO BE DESIGNED IN ACCORDANCE WITH AS/NZS 3500.3.2 – 2003 'STORMWATER' DRAINAGE.</div></div><div><div>5.</div><div>THE STORMWATER DRAINAGE DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH AS/NZS 3500.3.2-2003 'STORMWATER' DRAINAGE.</div></div><div><div>6.</div><div>ANY VARIATIONS TO THE NOMINATED LEVELS SHALL BE REFERRED TO ENGINEER IMMEDIATELY.</div></div><div><div>7.</div><div>SUBSOIL DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS &amp; EMBANKMENTS, WITH THE LINES FEEDING INTO THE STORMWATER DRAINAGE SYSTEM.</div></div><div><div>8.</div><div>ALL GRATES TO BE GALVANISED STEEL WITH HINGES AND CHILD PROOF LOCK.</div></div><div><div>9.</div><div>ALL GRATES TO BE HEEL SAFE WITHIN AGED CARE DEVELOPMENTS.</div></div><div><div>10.</div><div>THE STORMWATER DRAINAGE IS DESIGNED IN ACCORDANCE WITH COUNCIL'S STORMWATER CODE.</div></div></div>

RAINWATER RE-USE
<div><div><div>1.</div><div>PROVIDE RAINWATER RE-USE SYSTEM TO SUPPLY WATER FOR TOILET FLUSHING.</div></div><div><div>2.</div><div>GUTTER GUARD TO BE INSTALLED ON ALL EAVES GUTTERS.</div></div><div><div>3.</div><div>A PERMANENT SIGN IS TO BE LOCATED IN THE VICINITY OF THE TANK STATING THE WATER IS "NON POTABLE WATER" WITH APPROPRIATE HAZARD IDENTIFICATION.</div></div><div><div>4.</div><div>PIPEWORK USED FOR RAINWATER SERVICES SHALL BE COLOURED LILAC IN ACCORDANCE WITH AS1345.</div></div><div><div>5.</div><div>ALL VALVES AND APERTURES SHALL BE CLEARLY AND PERMANENTLY LABELLED WITH SAFETY SIGNS TO COMPLY WITH AS1319.</div></div><div><div>6.</div><div>RAINWATER TANK RETICULATION SYSTEM AND MAINS WATER BYPASS ARRANGEMENT TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3500.1.2-2003 AND THE NSW CODE OF PRACTICE : PLUMBING AND DRAINING.</div></div><div><div>7.</div><div>A FIRST FLUSH FILTRATION DEVICE IS TO BE PROVIDED AT RAINWATER TANK.</div></div></div>

GENERAL NOTES
<p>THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH OTHER SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.</p> <p>ALL DIMENSIONS ARE IN MILLIMETRES &amp; ALL LEVELS ARE IN METRES, UNO (UNLESS NOTED OTHERWISE).</p> <p>NO DIMENSION SHALL BE OBTAINED BY SCALING THE DRAWINGS.</p> <p>ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF THE WORK.</p> <p>DETAIL SURVEY DATA WAS SUPPLIED BY LTS LOCKLEY, DRAWING DATED 16/05/2018.</p> <p>EXISTING SERVICES WHERE SHOWN HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.</p> <p>ON COMPLETION OF STORMWATER INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS, UNLESS DIRECTED OTHERWISE.</p>

<p>ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS DRAWING HAVE BEEN PREPARED FOR DEVELOPMENT APPLICATION PURPOSES TO DEMONSTRATE FEASIBILITY. ALL MEASURES WILL BE SUBJECT TO DETAIL DESIGN AT THE CONSTRUCTION CERTIFICATE STAGE AND MAY BE SUBJECT TO VARIATION PROVIDED THAT THE DESIGN INTENT IS MAINTAINED.</p>
--

DESIGN SUMMARY

WATER QUALITY:

MUSIC MODEL SUMMARY:

SOURCE NODE	CATCHMENT	AREA
MIXED	LANDSCAPING	11,900m <sup>2</sup>
ROOF	ROOF	6,250m <sup>2</sup>
MIXED	HARDSTAND (TO BIO-RETENTION BASIN)	7,620m <sup>2</sup>
MIXED	HARDSTAND (BYPASS BIO-RETENTION BASIN)	4,160m <sup>2</sup>
		TOTAL 29,930m <sup>2</sup>

TREATMENT NOTES:

- RAINWATER RE-USE TANK
- ON-SITE DETENTION TANK
- HUMES 'HYDROFILTER HF1000'
- STORMWATER 360 'STORMFILTER' CARTRIDGE
- VEGETATIVE SWALE

TREATMENT STANDARDS:

POLLUTANT	REDUCTION STANDARDS	REDUCTION ACHIEVED
GROSS POLLUTANTS	-	100%
TOTAL SUSPENDED SOLIDS	85%	89.7%
TOTAL PHOSPHORUS	60%	64%
TOTAL NITROGEN	45%	51.6%

MUSIC MODEL PARAMETERS IN ACCORDANCE WITH PENRITH CITY COUNCILS MUSIC MODELLING GUIDELINES 2015.




STANDARD DETAILS		
ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO NORTHROP ENGINEERS FOR CLARIFICATION		
COUNCIL DETAILS - BLACKTOWN CITY COUNCIL		
COMPONENT	DWG REFERENCE	DRAWING TITLE
KERB AND GUTTER	A(BS) 101M	STD KERBS AND GUTTERS
LAYBACK	A(BS) 102S	STANDARD RESIDENTIAL FOOTWAY AND LAYBACK CROSSING
LAYBACK	A(BS) 103S	STD INDUSTRIAL & COMMERCIAL FOOTWAY CROSSINGS
KERB RAMP	A(BS) 104M	PATH PAVING AT INTERSECTIONS AND KERB RAMP DETAILS

VERIFIER:

JOB MANAGER: J. GILLIGAN

DESIGNED: J. GRINSELL

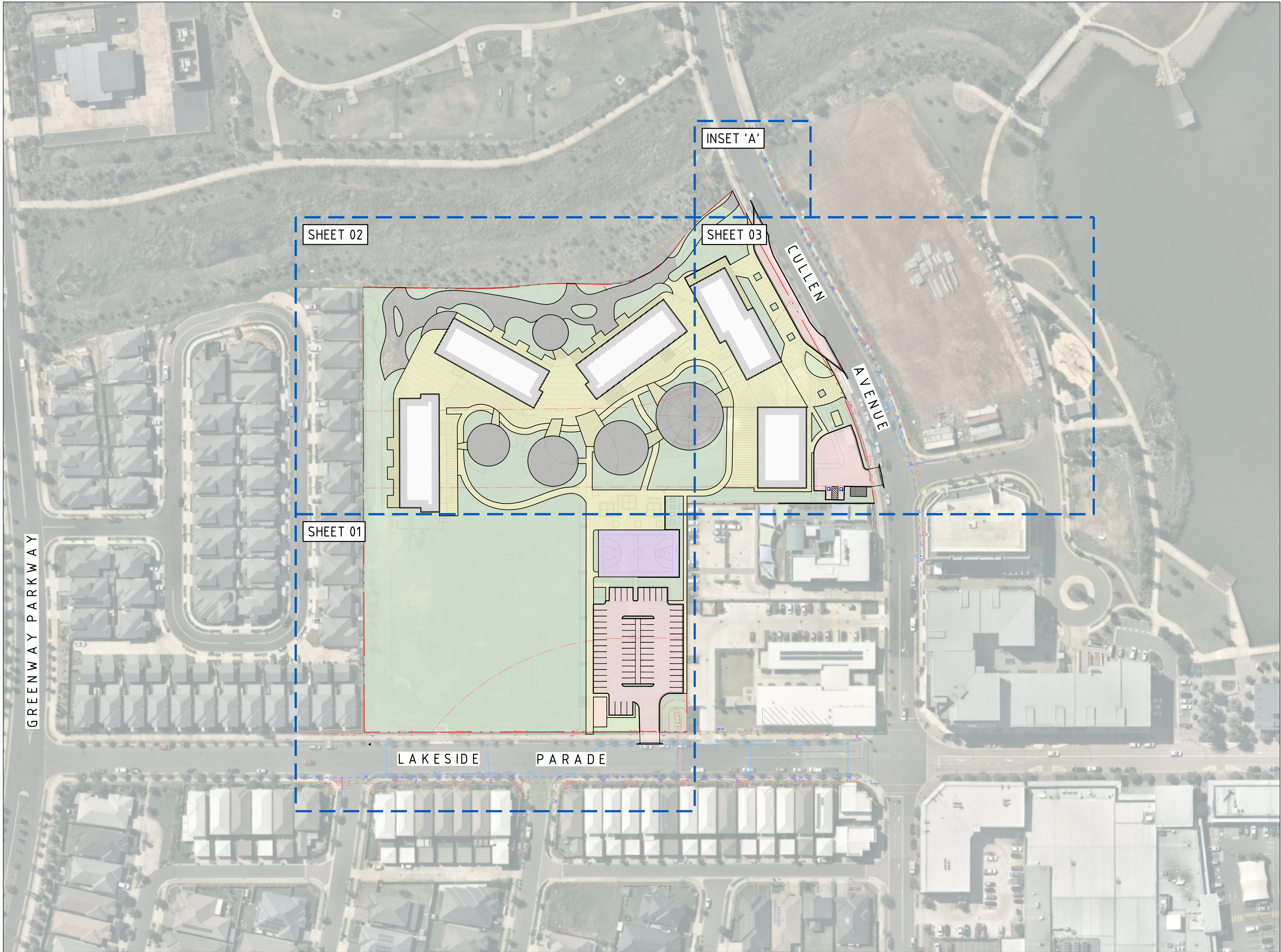
DRAWN: C. PASKE

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE	 Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100	PROJECT	DRAWING TITLE	JOB NUMBER
1	ISSUED FOR SSDA	VC		JG	25.01.19	 RICHARD CROOKES CONSTRUCTIONS	 GROUPGSA			JORDAN SPRINGS PRIMARY SCHOOL	CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION	182535	
2	ISSUED FOR REF APPROVAL	JRG		JG	06.02.19								
3	ISSUED FOR DEVELOPMENT APPLICATION	JRG		JG	13.02.19								
4	ISSUED FOR SSDA	VC		JG	31.05.19								
						DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD			14-28 CULLEN AVENUE, JORDAN SPRINGS	SPECIFICATION NOTES	DRAWING NUMBER DAC01.11	REVISION 4
													DRAWING SHEET SIZE = A1

NOT FOR CONSTRUCTION



DRAWN: C. PASKE  
DESIGNED: J. GRINSELL  
JOB MANAGER: J. GILLIGAN  
VERIFIER:



LEGEND

BOUNDARY LINE

EASEMENT LINE

EXISTING KERB

EXISTING ELECTRICITY

EXISTING ELECTRICITY (OVERHEAD)

EXISTING ELECTRICITY (UNDERGROUND)

EXISTING GAS

EXISTING WATER

EXISTING STORMWATER

EXISTING CONTOURS

SHEET EXTENTS

GENERAL NOTES:

1. SURVEY SUPPLIED BY: LTS LOCKLEY

1.1. REFERENCE NUMBER: 43776 002DT

1.2. DATE: 16/05/2018

1.3. REVISION: 1

2. ALL UTILITY SERVICES INDICATED ON THE DRAWINGS ORIGINATE FROM SUPPLIED DATA OR DIAL BEFORE YOU DIG SEARCHES, THEREFORE THEIR ACCURACY AND COMPLETENESS IS NOT GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY. NOTE SERVICE AUTHORITY REQUIREMENTS FOR LOCATING OF SERVICES PRIOR TO COMMENCEMENT OF WORKS.

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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR SSDA	VC		JG	25.01.19
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3	ISSUED FOR DEVELOPMENT APPLICATION	JRG		JG	13.02.19
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ARCHITECT

GROUP USA

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SCALE 1:800@A1

0

10

20

30

40m

NORTHROP

Sydney  
Level 11 345 George Street, Sydney NSW 2000  
Ph (02) 9241 4188 Fax (02) 9241 4324  
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT

JORDAN SPRINGS PRIMARY SCHOOL

14-28 CULLEN AVENUE,  
JORDAN SPRINGS

DRAWING TITLE

CIVIL ENGINEERING PACKAGE  
DEVELOPMENT APPLICATION

GENERAL ARRANGEMENT PLAN

JOB NUMBER

182535

DRAWING NUMBER

DAC01.21

REVISION

4

DRAWING SHEET SIZE = A1

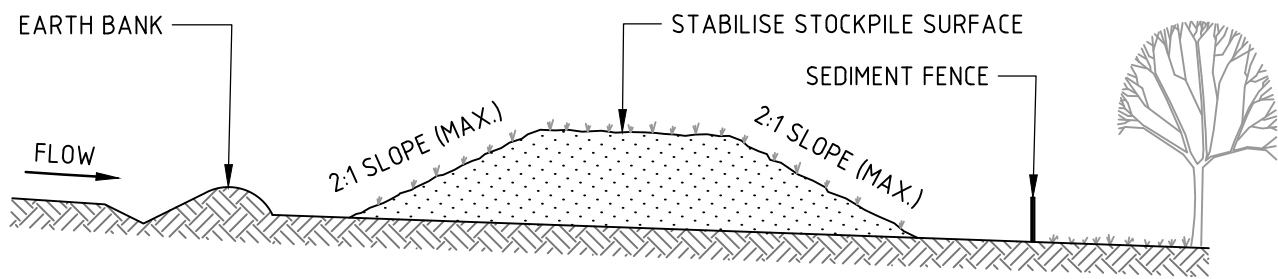
NOT FOR CONSTRUCTION







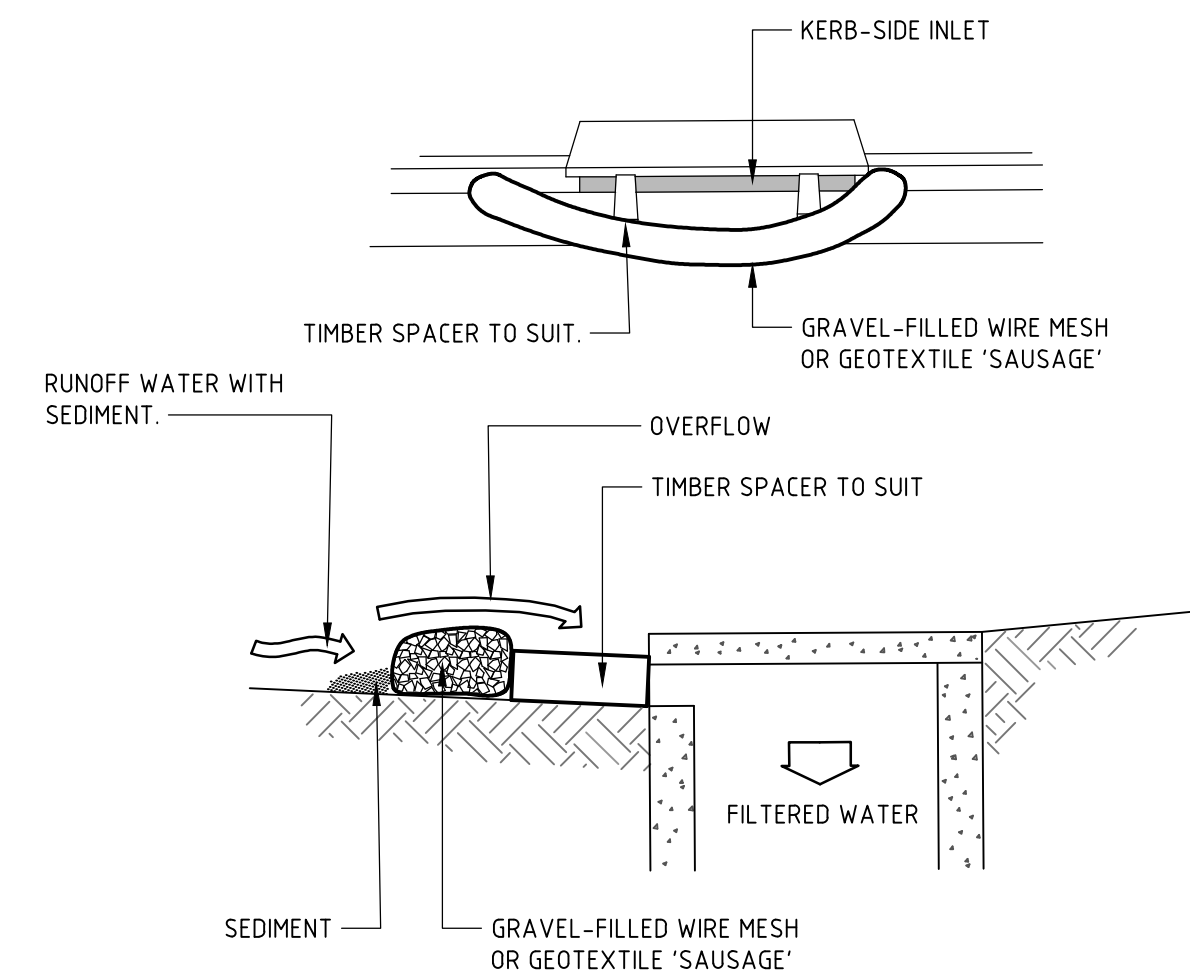
VERIFIER: J. GILLIGAN  
JOB MANAGER: J. GILLIGAN  
DESIGNED: J. GRINSELL  
DRAWN: C. PASKE



#### CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

STOCKPILES (SD 4-1)

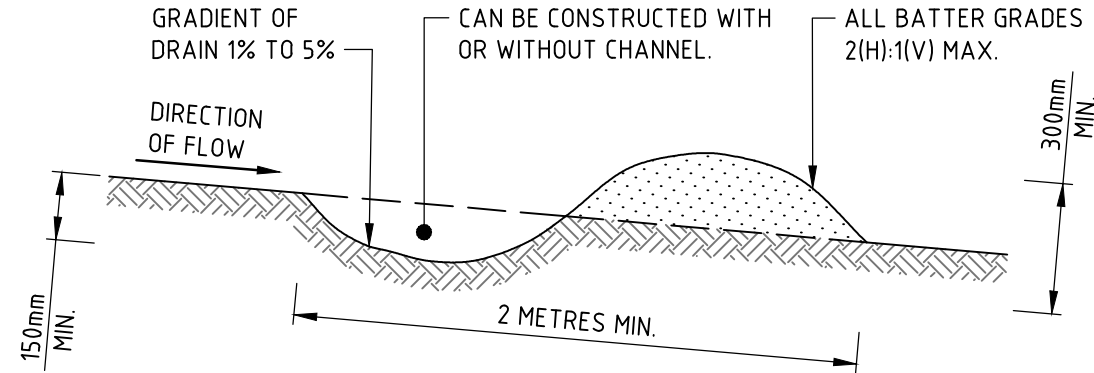


NOTE: THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN APPROVED SWMP/ESCP.

#### CONSTRUCTION NOTES

1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

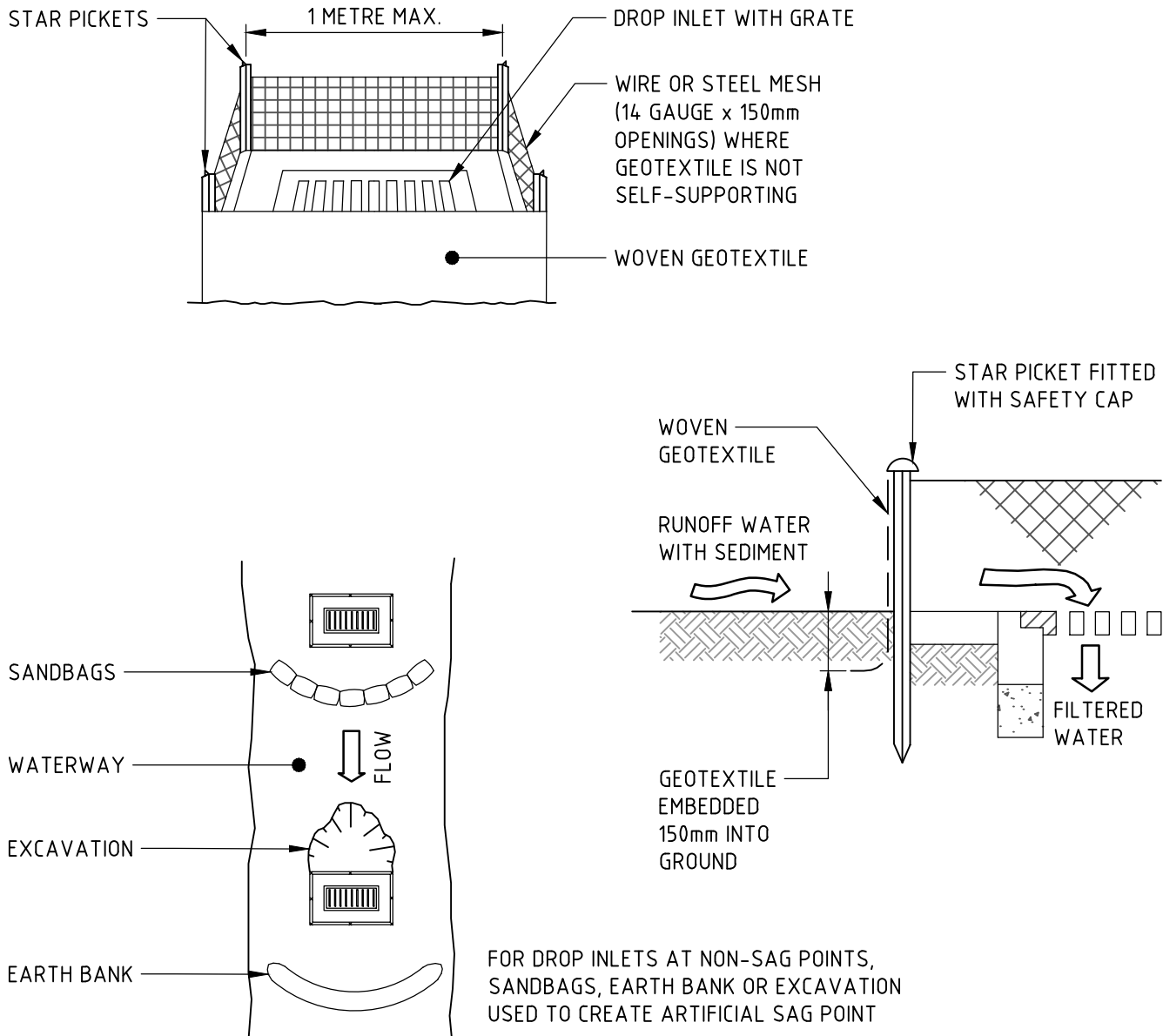
WIRE MESH AND GRAVEL SEDIMENT FILTER (SD 6-11)



#### CONSTRUCTION NOTES

1. BUILD WITH GRADIENTS BETWEEN 1 AND 5 PERCENT.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

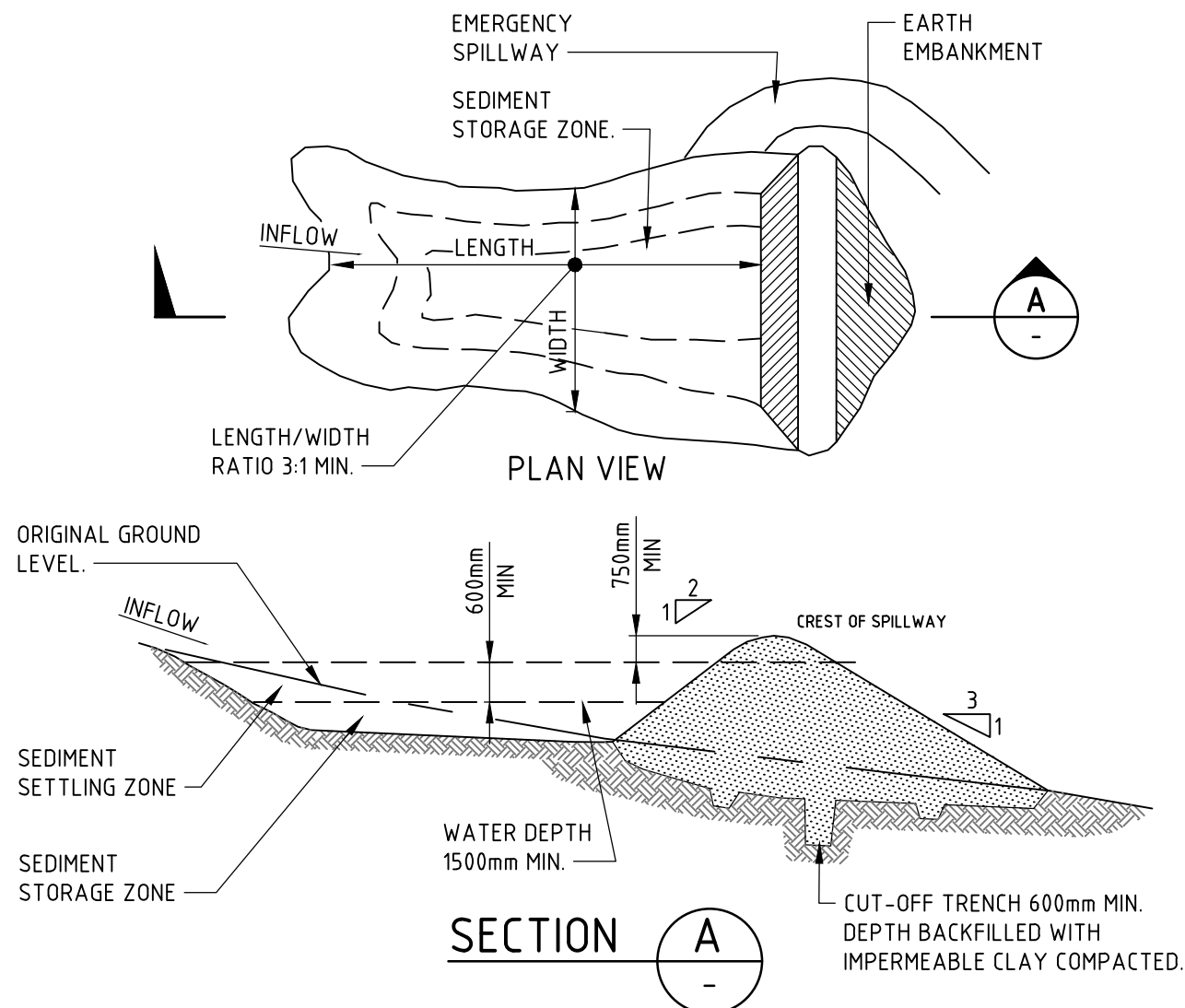
NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.  
EARTH BANK - LOW FLOW (SD 5-5)



#### CONSTRUCTION NOTES

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

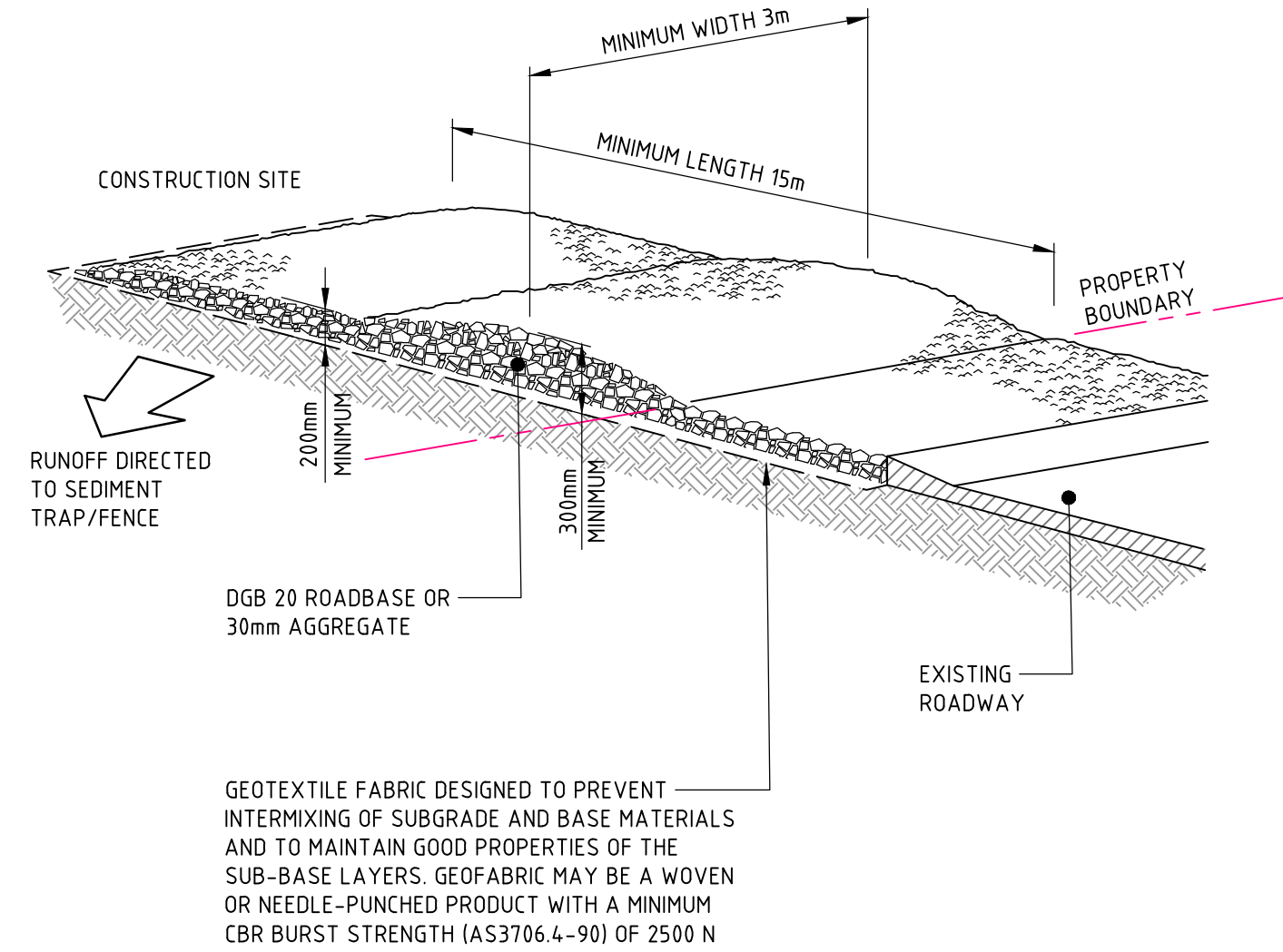
GEOTEXTILE INLET FILTER (SD 6-12)



#### CONSTRUCTION NOTES

1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95 PER CENT STANDARD PROCTOR DENSITY.
4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL.
5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100mm TO HELP BOND COMPACTED FILL TO THE EXISTING SUBSTRATE.
6. SPREAD THE FILL IN 100mm TO 150mm LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING THE SWMP.
7. CONSTRUCT THE EMERGENCY SPILLWAY.
8. REHABILITATE THE STRUCTURE FOLLOWING THE SWMP.

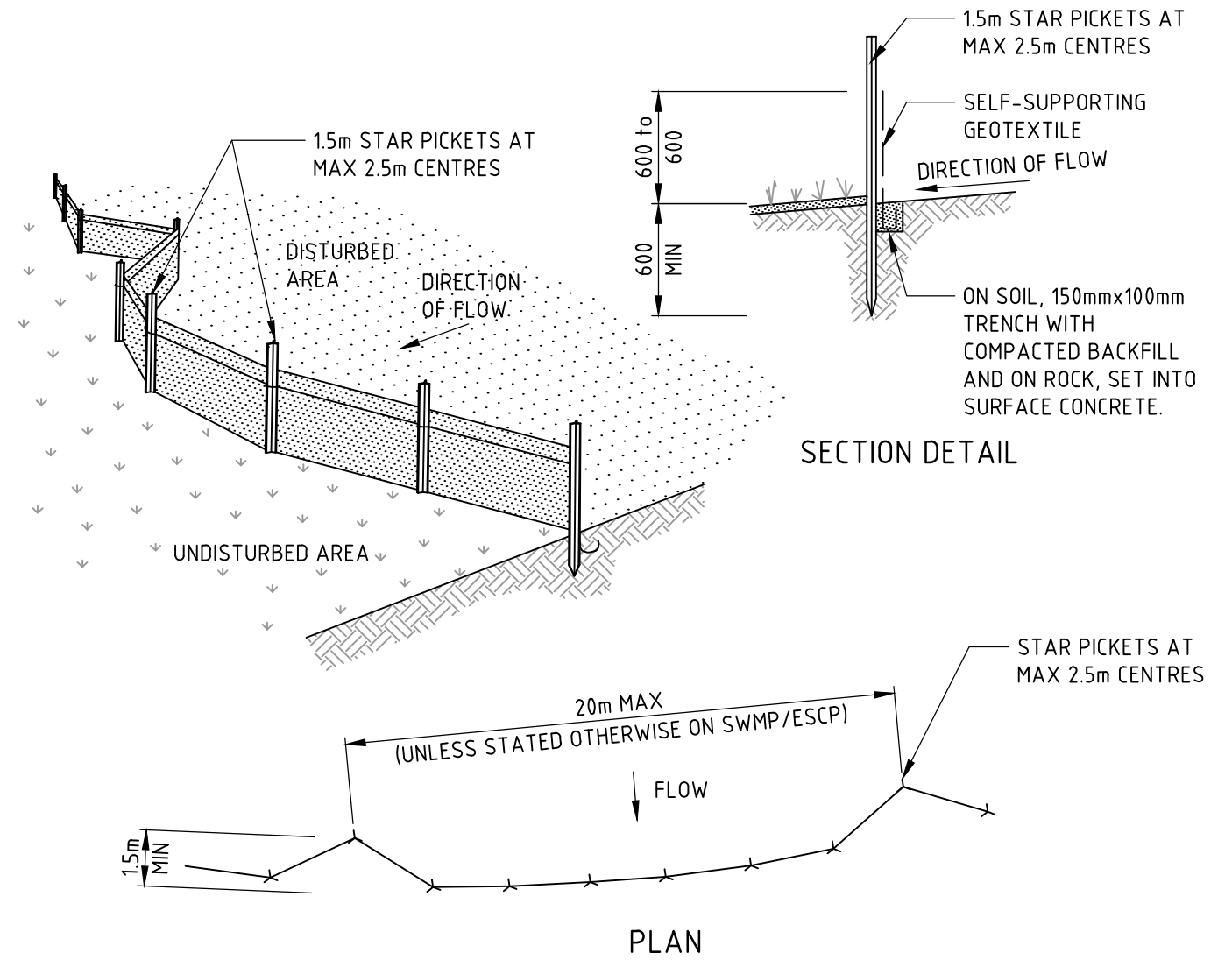
(APPLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY)  
EARTH BASIN - WET (SD 6-4)



#### CONSTRUCTION NOTES

1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

STABILISED SITE ACCESS (SD 6-14)



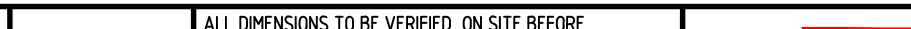


#### CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 15 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

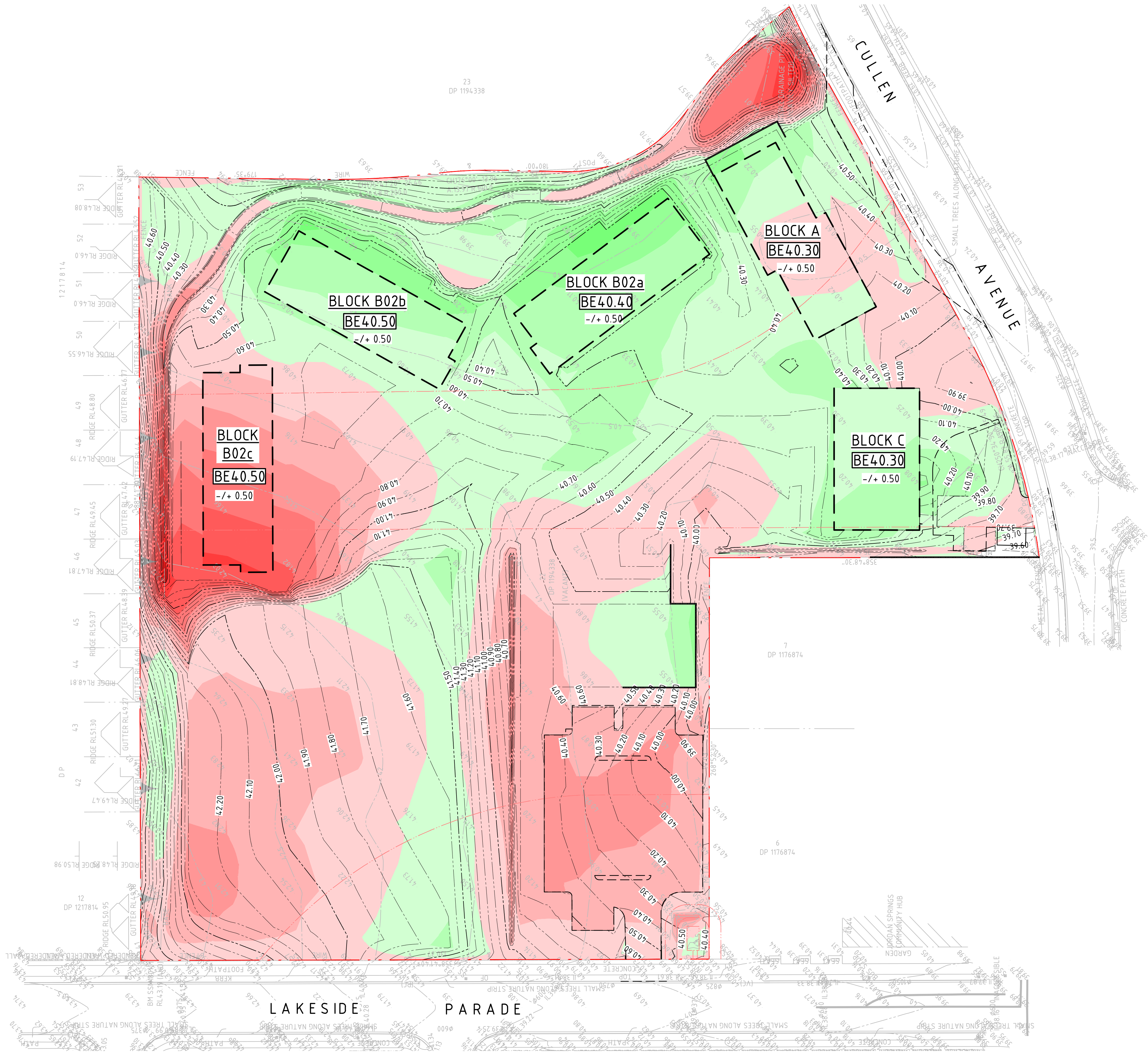
SEDIMENT FENCE (SD 6-8)

NOT FOR CONSTRUCTION

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1		ISSUED FOR SSDA	VC		JG	25.01.19			NOT TO SCALE	JORDAN SPRINGS PRIMARY SCHOOL		CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION	182535	
2		ISSUED FOR REF APPROVAL	JRG		JG	06.02.19							DRAWING NUMBER	REVISION
3		ISSUED FOR DEVELOPMENT APPLICATION	JRG		JG	13.02.19							DAC02.11	4
4		ISSUED FOR SSDA	VC		JG	31.05.19						DRAWING SHEET SIZE = A1		
							DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD						



DRAWN: C. PASKE  
DESIGNED: J. GRINSELL  
JOB MANAGER: J. GILLIGAN  
VERIFIER:



### LEGEND

--- BOUNDARY LINE  
--- EASEMENT LINE  
--- BUILDING FOOTPRINT  
--- DESIGN WORKS OUTLINE  
**BEXX.XX** BULK EARTHWORKS PAD LEVEL  
--- RW1 RETAINING WALL - TYPE 1  
--- XX.XX CONTOURS

**DEPTH OF CUT**





Red	- 999m TO - 2.0m
Dark Red	- 2.0m TO - 1.5m
Red-Orange	- 1.5m TO - 1.25m
Orange	- 1.25m TO - 1.0m
Light Orange	- 1.0m TO - 0.75m
Pink	- 0.75m TO - 0.5m
Light Pink	- 0.5m TO - 0.25m
Very Light Pink	- 0.25m TO - 0.0m

**DEPTH OF FILL**

Light Green	0.0m TO 0.25m
Green	0.25m TO 0.5m
Dark Green	0.5m TO 0.75m
Forest Green	0.75m TO 1.0m
Dark Forest Green	1.0m TO 1.25m
Very Dark Green	1.25m TO 1.5m
Black Green	1.5m TO 2.0m
Black	2.0m TO 999m

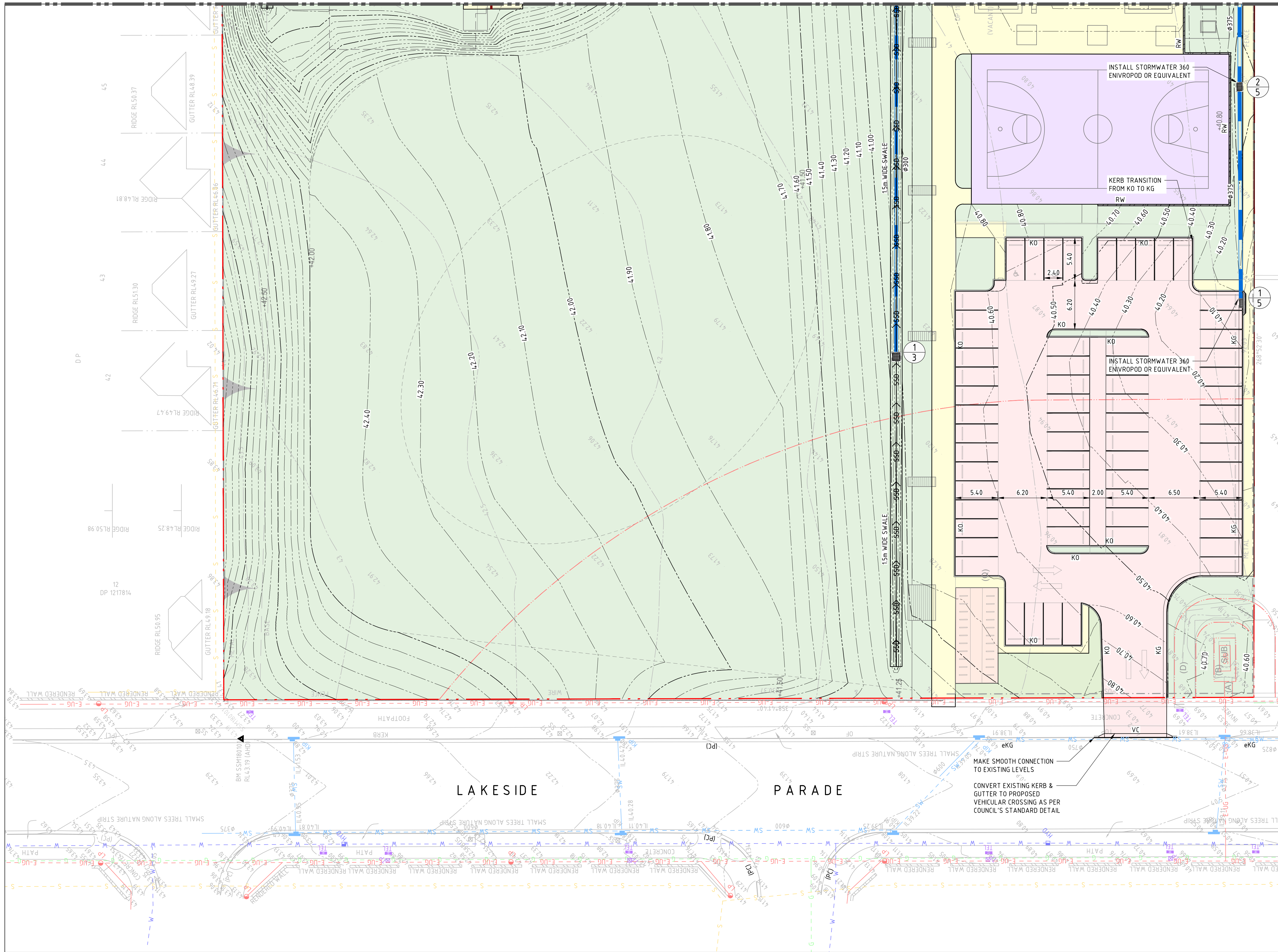
- ### GENERAL NOTES:
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
  - CAD FILES / DTM FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).
  - STRIP EXISTING TOPSOIL IN CONSULTATION WITH THE GEOTECHNICAL ENGINEER / REPORT. FOR THE PURPOSES OF EARTHWORKS CALCULATIONS A TOPSOIL STRIPPING DEPTH OF 150mm HAS BEEN ASSUMED. GROUND SLAB DEPTH OF 400mm HAS BEEN ASSUMED WHERE REQUIRED.
  - NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS. NOTE ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY AND MAY NOT REFLECT DETAILED EARTHWORKS.
  - NO ALLOWANCE HAS BEEN MADE FOR DETAILED EARTHWORKS, ie SERVICE TRENCHING, DETAILED EXCAVATION, FOOTINGS, RETAINING WALLS AND THE LIKE. THE CONTRACTOR SHALL USE FINAL SURFACE LEVELS AND TYPICAL PAVEMENT DETAILS FOR ACTUAL EARTHWORKS LEVELS.
  - BULK EARTHWORKS ARE BASED ON THE FOLLOWING DEPTHS FROM FINISHED SURFACE LEVELS:  
7.1. ASPHALT PAVEMENT 200mm  
7.2. CONCRETE PAVEMENT 200mm  
7.3. BUILDING SLAB 400mm (REFER STRUCTURAL DWGS)  
7.4. FOOTPATH PAVEMENT 200mm  
7.5. LANDSCAPE AREA 200mm
  - APPROXIMATE BULK EARTHWORK VALUES AS FOLLOWS:  
8.1. CUT 5,148 cu.m  
8.2. FILL 2,905 cu.m  
8.3. BALANCE 2,243 cu.m CUT  
8.4. NOTE: SITE STRIPPING VOLUMES HAVE NOT BEEN INCLUDED IN ABOVE CALCULATIONS.

**NOT FOR CONSTRUCTION**

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	PROJECT		DRAWING TITLE	JOB NUMBER
1	ISSUED FOR SSDA	VC		JG	25.01.19				<b>JORDAN SPRINGS PRIMARY SCHOOL</b>	<b>CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION</b>	<b>182535</b>
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4	ISSUED FOR SSDA	VC		JG	31.05.19						
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED						THE COPYRIGHT OF THIS DRAWING REMAINS WITH NORTHROP CONSULTING ENGINEERS PTY LTD		Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100		<b>14-28 CULLEN AVENUE, JORDAN SPRINGS</b>	<b>BULK EARTHWORKS CUT AND FILL PLAN</b>
						SCALE 1:500@A1				<b>DAC03.01</b>	<b>4</b>
											DRAWING SHEET SIZE = A1



FOR CONTINUATION REFER TO SHEET 02



## LEGEND

- BOUNDARY LINE
- EASEMENT LINE
- PROPOSED KERB
- EXISTING KERB
- SAWCUT AND PAVEMENT INFILL
- EXISTING KERB 'TYPE AS BELOW'
- KO ONLY
- KERB AND GUTTER
- VEHICULAR CROSSING
- KR
- KERB RAMP
- PROPOSED SPOT HEIGHT
- EXISTING SPOT HEIGHT
- PROPOSED FINISHED FLOOR LEVEL
- DIRECTION OF GRADE
- BATTERS
- CONTOURS
- EXISTING CONTOURS
- DRAINAGE SWALE
- V-SHAPED CHANNEL
- SUBSOIL DRAINAGE LINE
- GRATED TRENCH DRAIN
- EXISTING DRAINAGE STRUCTURE
- NEW DRAINAGE STRUCTURE
- STORMWATER PIPE
- RAINWATER PIPE
- EXISTING STORMWATER PIPE (ALTERNATIVE)
- STORMWATER PIT TAG
- STRUCTURE No / LINE ID
- RAINWATER HARVESTING TANK
- ROCK HEADWALL
- RIP RAP ENERGY DISSIPATER
- RETAINING WALL - TYPE 1
- PAVEMENT - TYPE 1
- FOOTPATH - TYPE 1
- RIVER BED
- LANDSCAPING - TYPE 1
- BASKETBALL COURT - REFER TO LANDSCAPE ARCHITECTS FOR DETAIL
- PLAYGROUND - REFER TO LANDSCAPE ARCHITECTS FOR DETAIL

## GENERAL NOTES:

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- REFER 'STORMWATER LONGITUDINAL SECTIONS' FOR PIPE INFORMATION.
- REFER HYDRAULIC ENGINEERS / ARCHITECTS DRAWINGS FOR DOWNPIPE LOCATIONS AND SIZING.
- ALL STORMWATER INLET PITS TO BE FITTED WITH 'ENVIROPOD' INSERT AND 200 MICRON FILTER.
- PROVIDE DRAINAGE CONNECTIONS TO KERB IN ACCORDANCE WITH COUNCIL STANDARD DETAILS AND SPECIFICATION.
- CONTRACTOR TO ALLOW TO ADJUST AND LIAISE WITH RELEVANT SERVICE AUTHORITIES IN RELATION TO EXISTING SERVICE ADJUSTMENT AND MODIFICATIONS.

**NOT FOR CONSTRUCTION**

DRAWN: C. PASKE  
DESIGNED: J. GRINSELL  
JOB MANAGER: J. GILLIGAN  
VERIFIER:

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5	ISSUED FOR SSDA	VC		JG	31.05.19

<b>RICHARD CROOKES</b> CONSTRUCTIONS	DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED
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<b>GROUP USA</b>	ARCHITECT
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<b>NORTHROP</b>	Sydney
Level 11 345 George Street, Sydney NSW 2000	
Ph (02) 9241 4188 Fax (02) 9241 4324	
Email sydney@northrop.com.au	ABN 81 094 433 100

PROJECT	JORDAN SPRINGS PRIMARY SCHOOL
14-28 CULLEN AVENUE, JORDAN SPRINGS	

DRAWING TITLE	CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION
SITWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 01	

JOB NUMBER	182535
DRAWING NUMBER	DAC04.01
REVISION	5
DRAWING SHEET SIZE = A1	



DRAWN: C. PASKE  
DESIGNED: J. GRINSELL  
JOB MANAGER: J. GILLIGAN  
VERIFIER:

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5	ISSUED FOR DEVELOPMENT APPLICATION	VC		JRG	15.05.19
6	ISSUED FOR DEVELOPMENT APPLICATION	VC		JRG	16.05.19

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SCALE 1:250@A1

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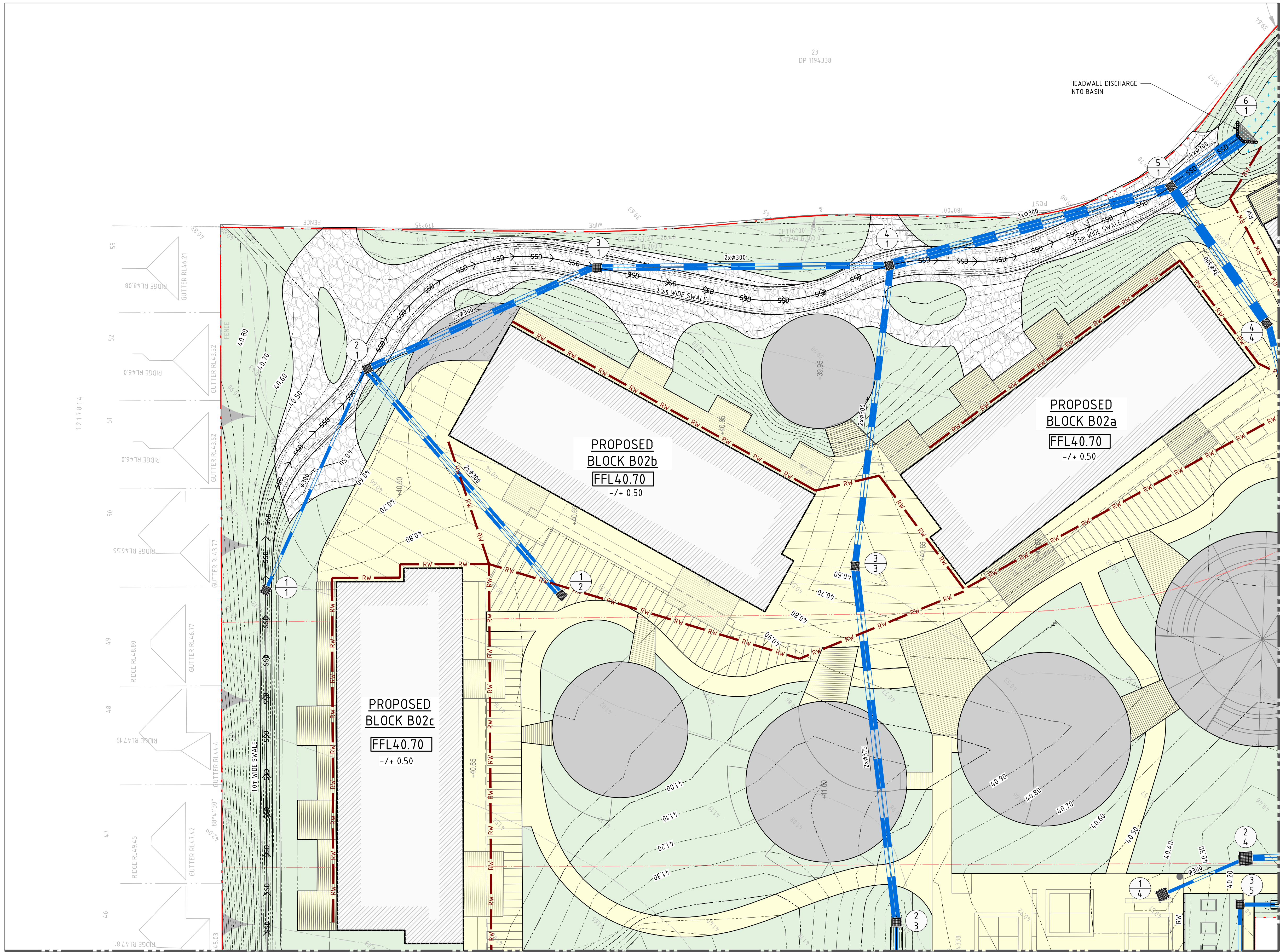
**NORTHROP**

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Ph (02) 9241 4188 Fax (02) 9241 4324  
Email sydney@northrop.com.au ABN 81 094 433 100

PROJECT  
**JORDAN SPRINGS PRIMARY SCHOOL**  
**14-28 CULLEN AVENUE, JORDAN SPRINGS**

DRAWING TITLE  
**CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION**  
**SITeworks AND STORMWATER MANAGEMENT PLAN - SHEET 02**

JOB NUMBER  
**182535**  
DRAWING NUMBER  
**DAC04.02**  
REVISION  
**6**  
DRAWING SHEET SIZE = A1



**LEGEND**

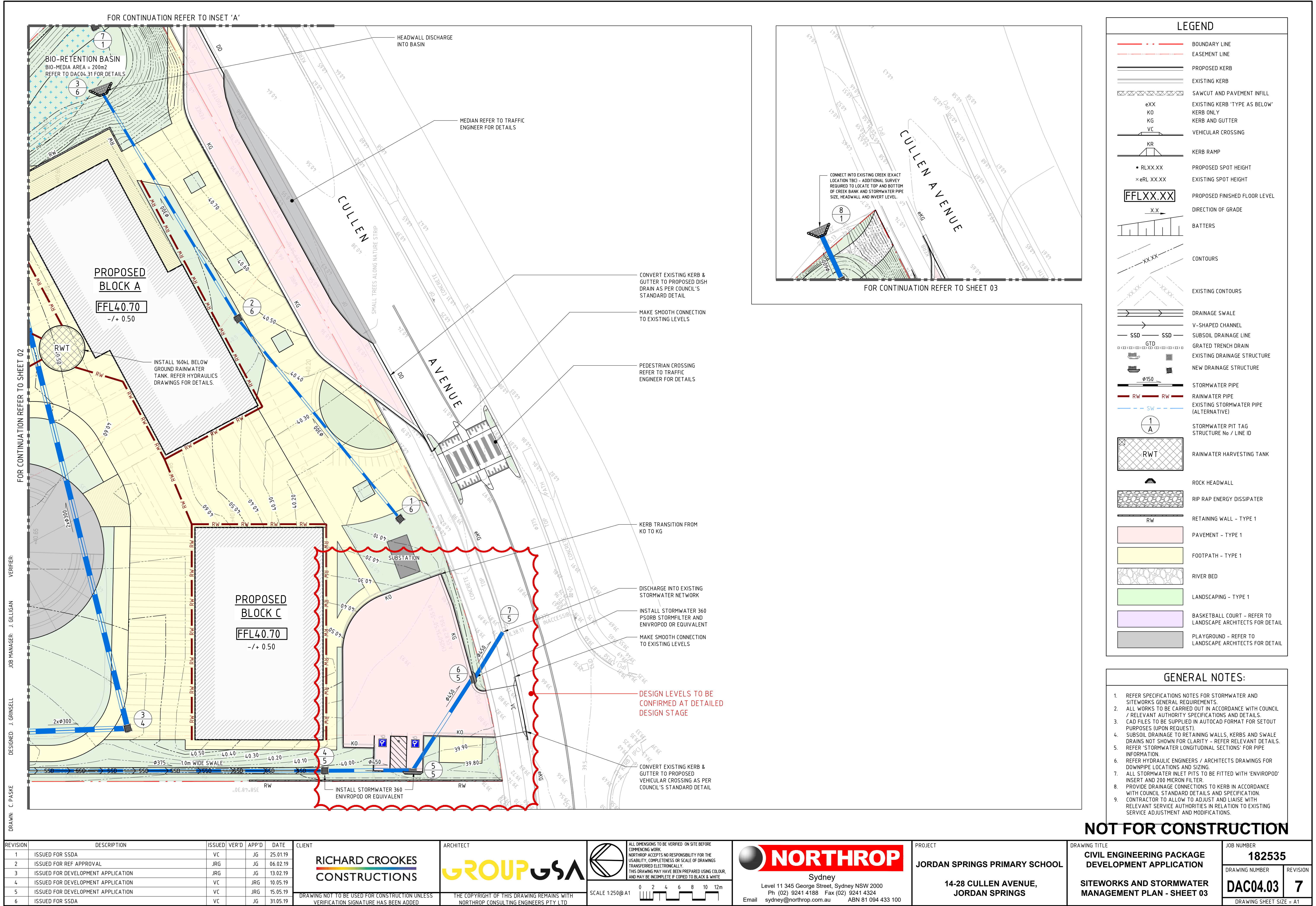
- BOUNDARY LINE
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**NOT FOR CONSTRUCTION**





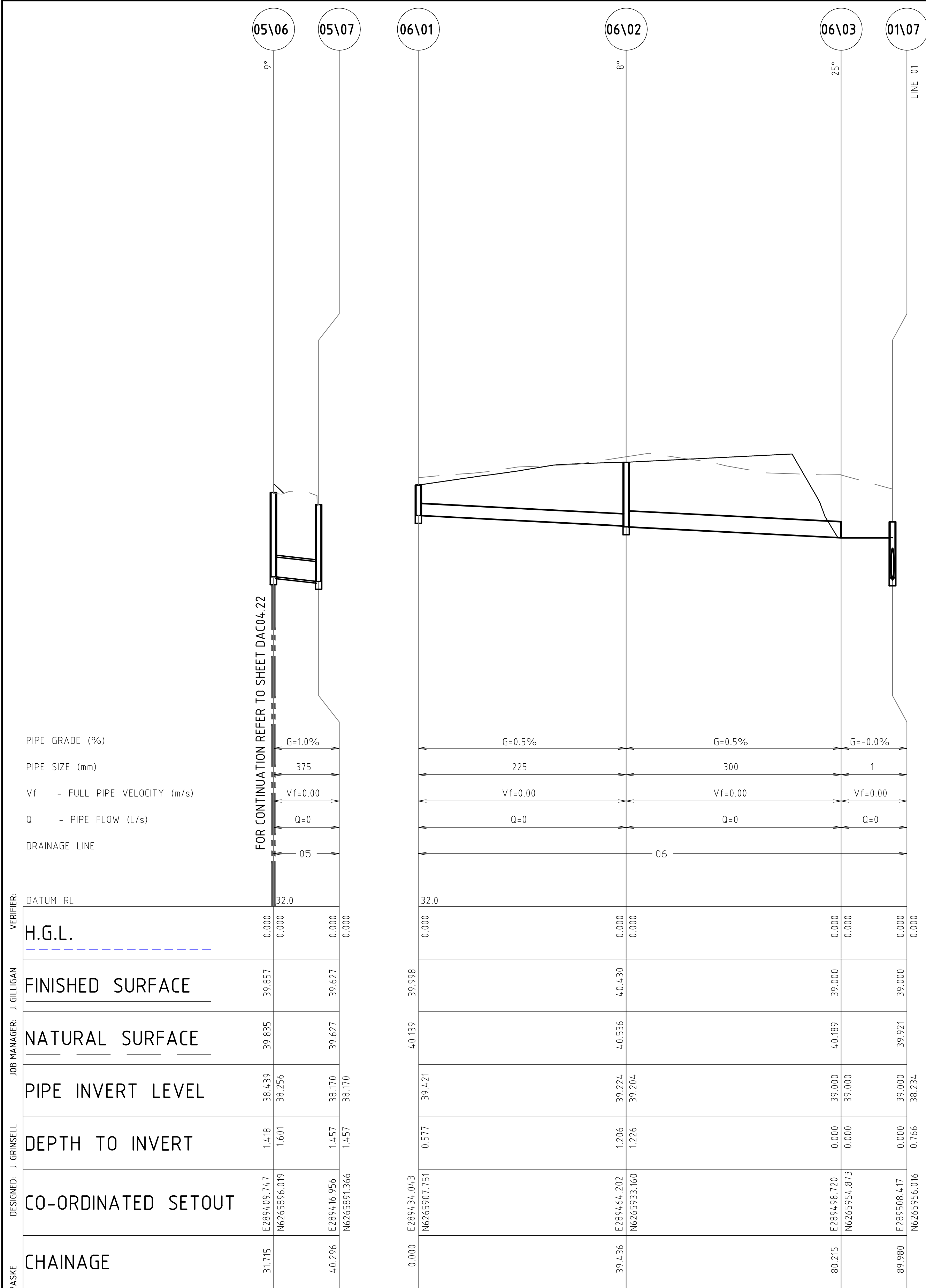




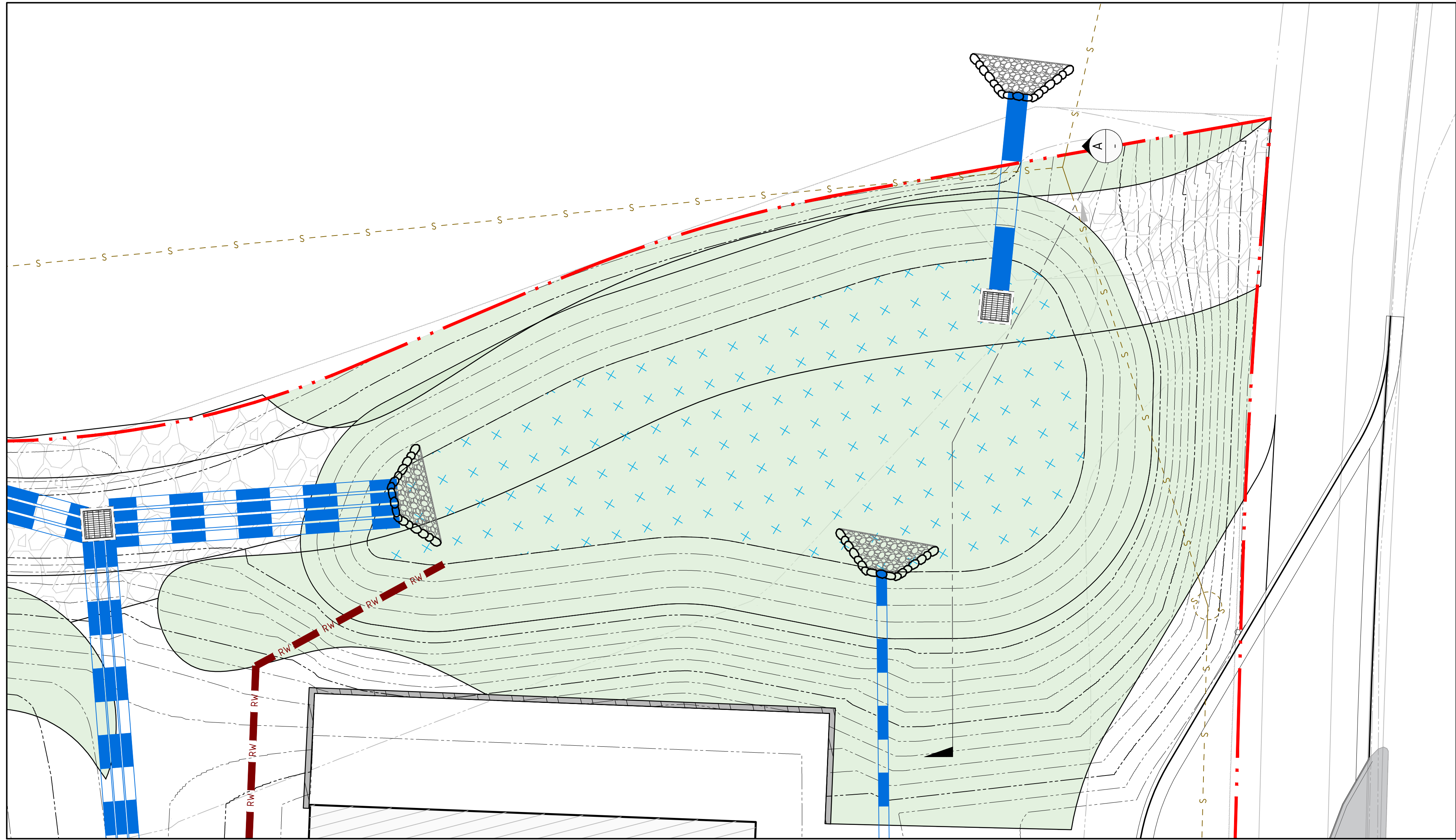




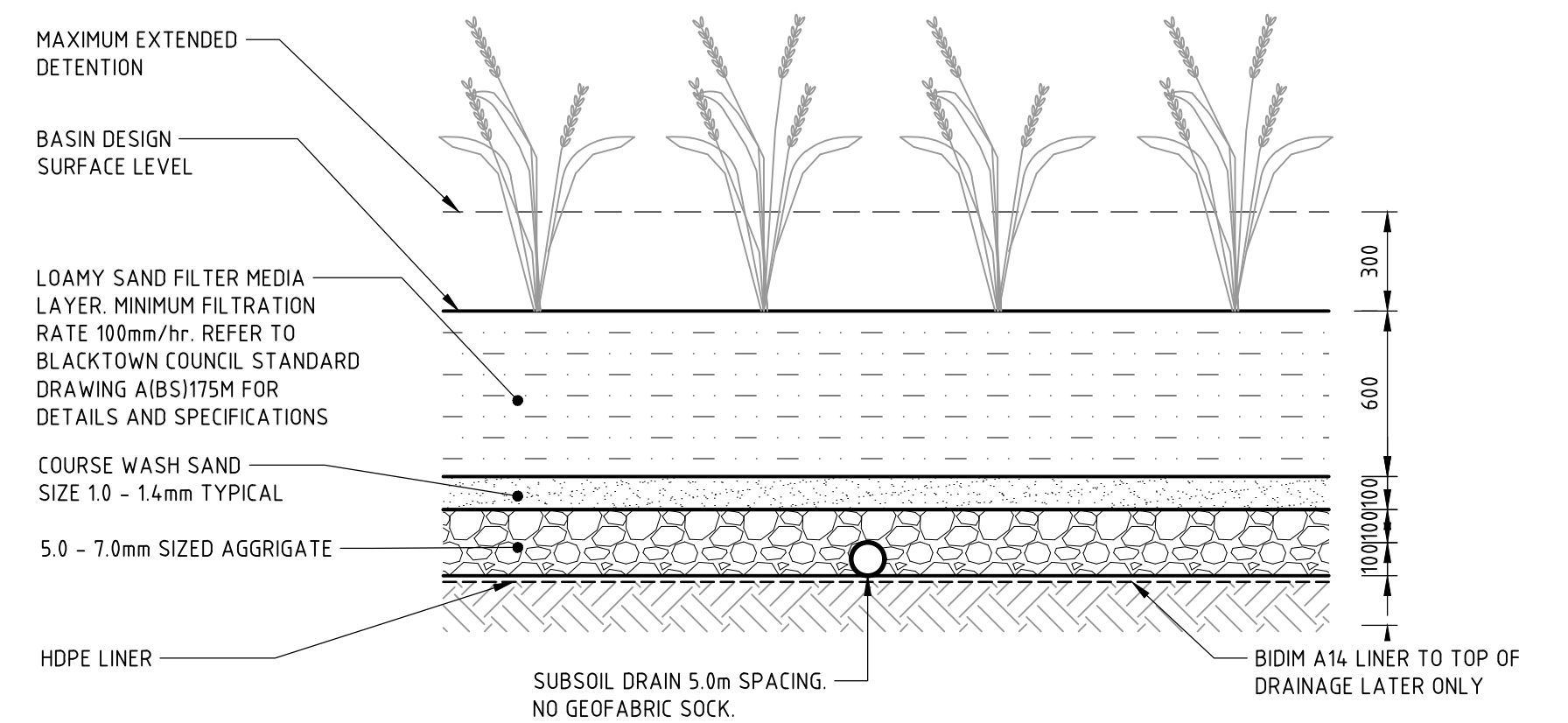




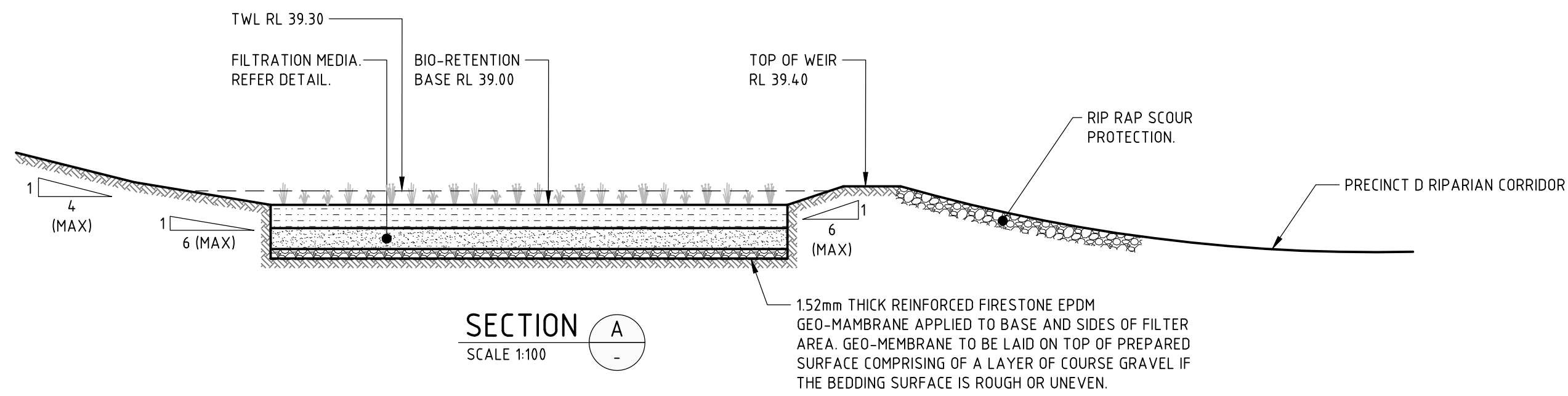




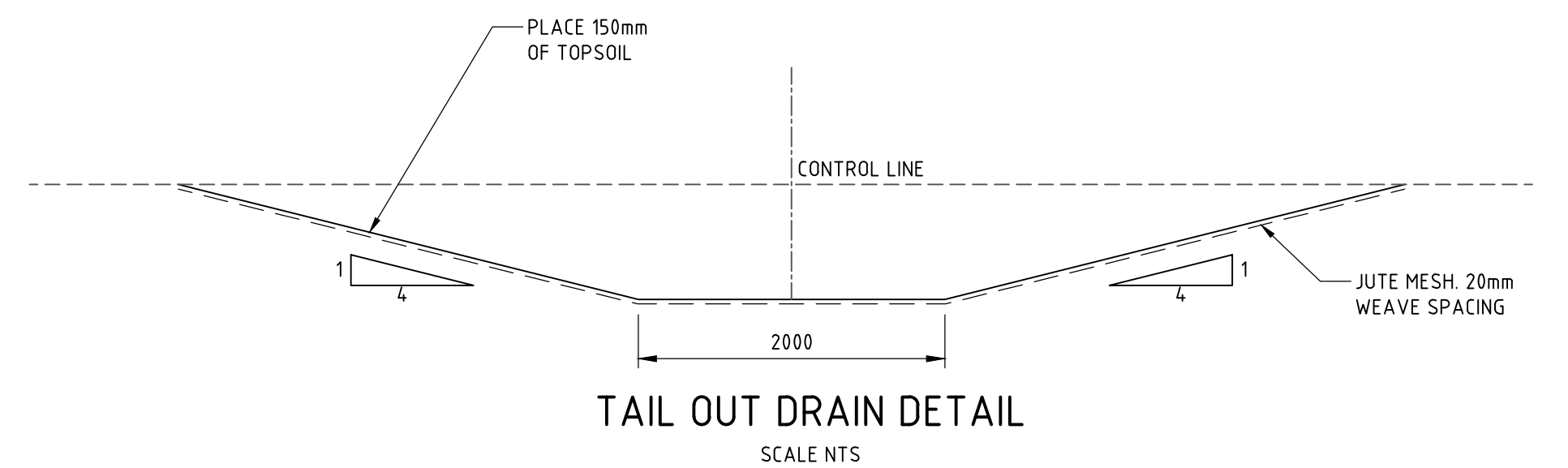
BASIN PLAN  
SCALE 1:100



BIO-FILTRATION FILTER DETAIL



SECTION A  
SCALE 1:100



TAIL OUT DRAIN DETAIL  
SCALE NTS

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DESIGNED: J. GRINSELL  
DRAWN: C. PASKE  
JOB MANAGER: J. GILLIGAN  
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR SSDA	VC		JG	25.01.19
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SCALE VARIES

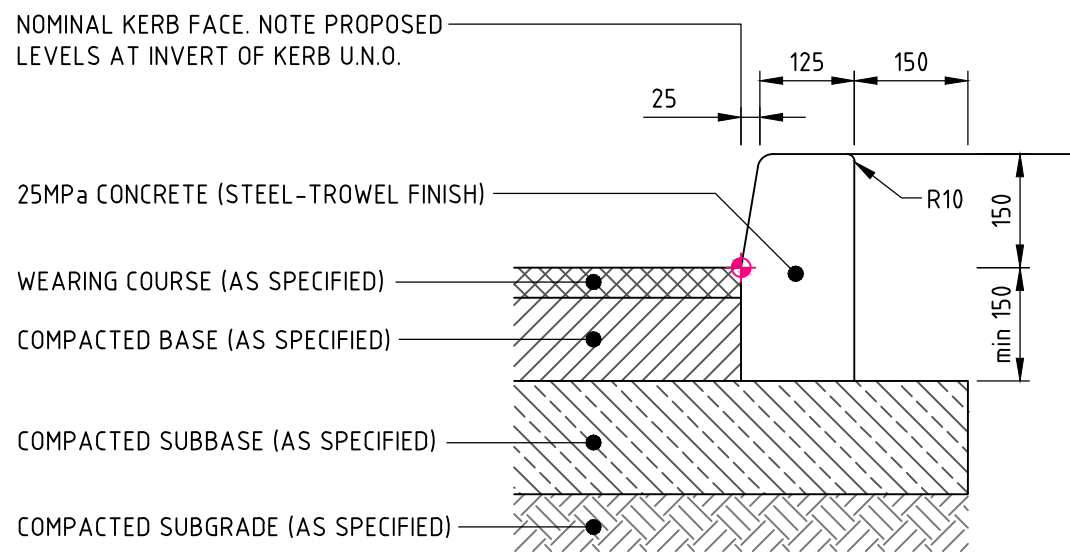
<b>NORTHROP</b> Sydney Level 11 345 George Street, Sydney NSW 2000 Ph (02) 9241 4188 Fax (02) 9241 4324 Email sydney@northrop.com.au ABN 81 094 433 100
---

PROJECT <b>JORDAN SPRINGS PRIMARY SCHOOL</b> <b>14-28 CULLEN AVENUE, JORDAN SPRINGS</b>
---

DRAWING TITLE <b>CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION</b> <b>BIORETENTION BASIN DETAILS - SHEET 01</b>
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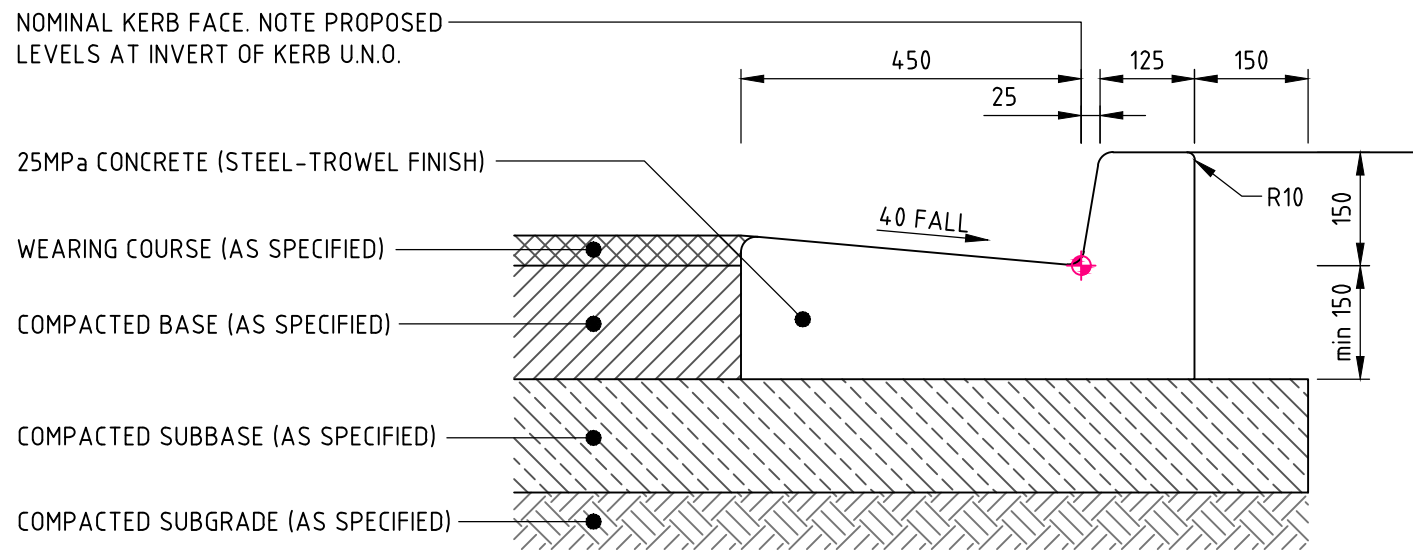
JOB NUMBER <b>182535</b>
DRAWING NUMBER <b>DAC04.31</b>
REVISION <b>4</b>
DRAWING SHEET SIZE = A1





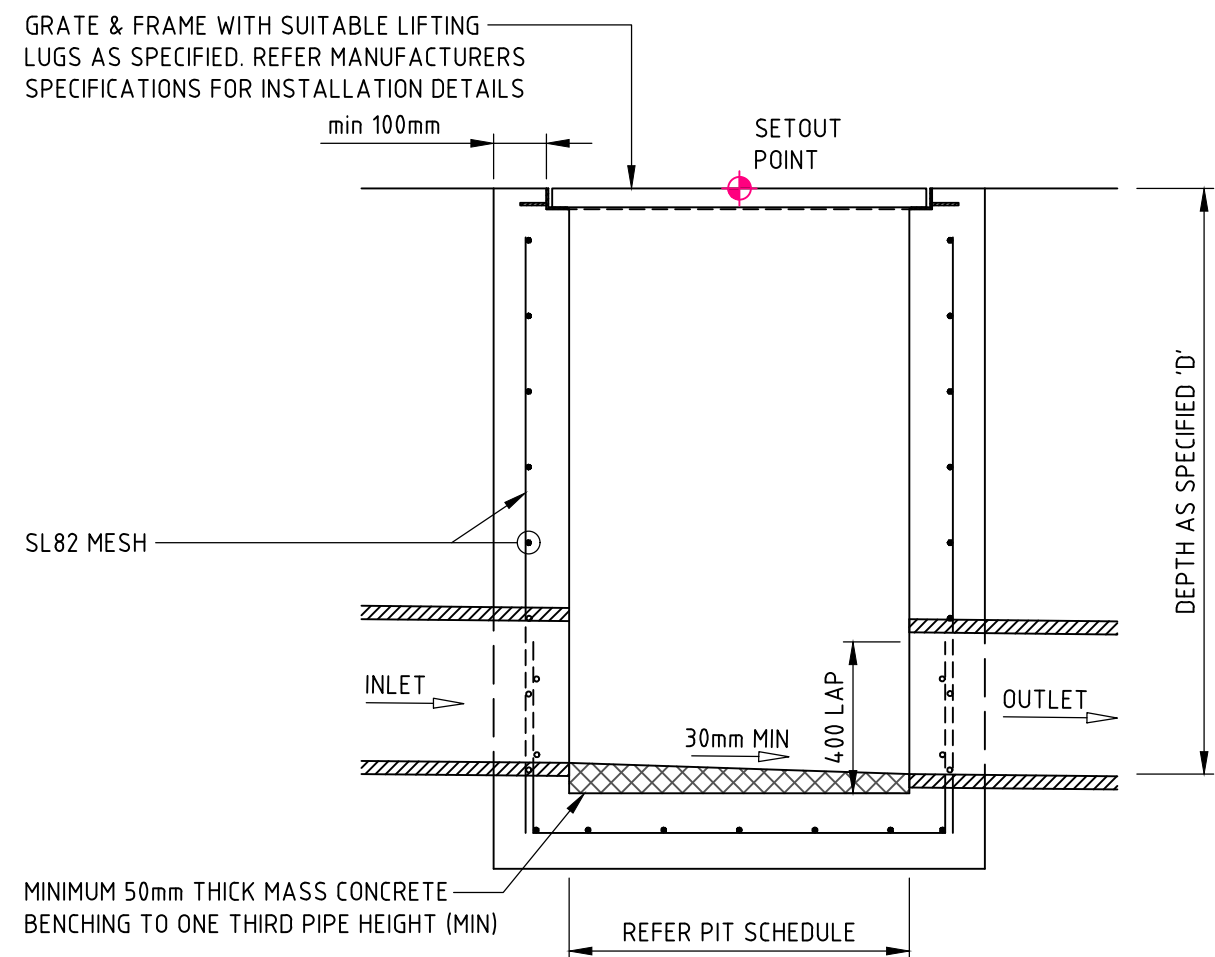
KERB ONLY 'KO'

EXPANSION JOINTS @ MAX 12m CTRS / TOOL JOINTS @ MAX 3m CTRS  
ALL RADII TO BE 20mm U.N.O.

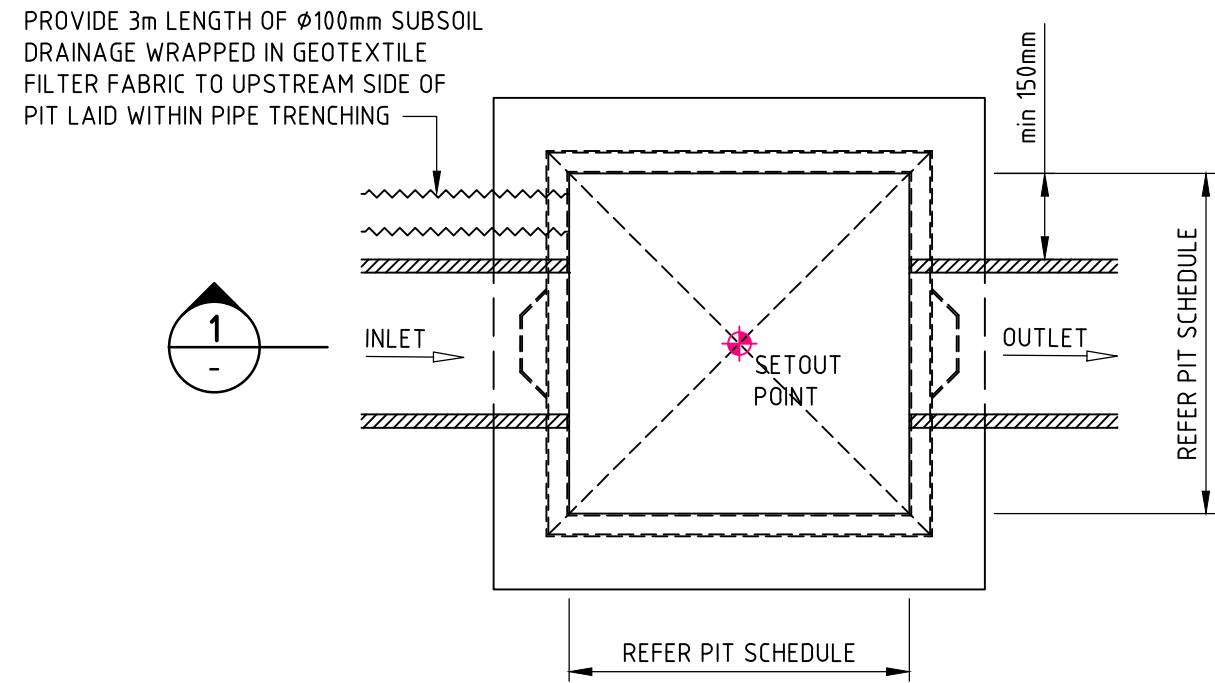


KERB & GUTTER 'KG'

EXPANSION JOINTS @ MAX 12m CTRS / TOOL JOINTS @ MAX 3m CTRS  
ALL RADII TO BE 20mm U.N.O.

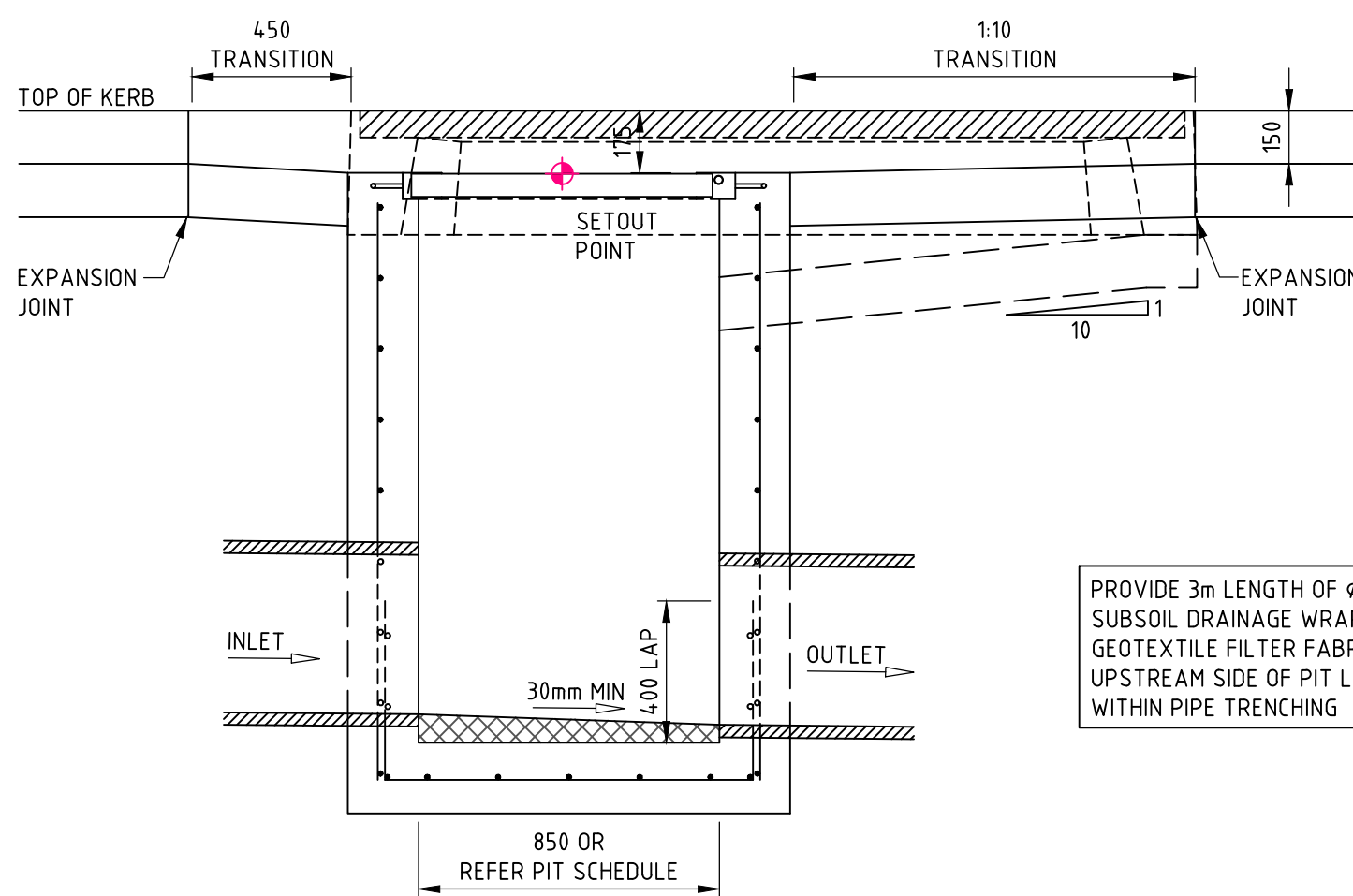


SECTION 1

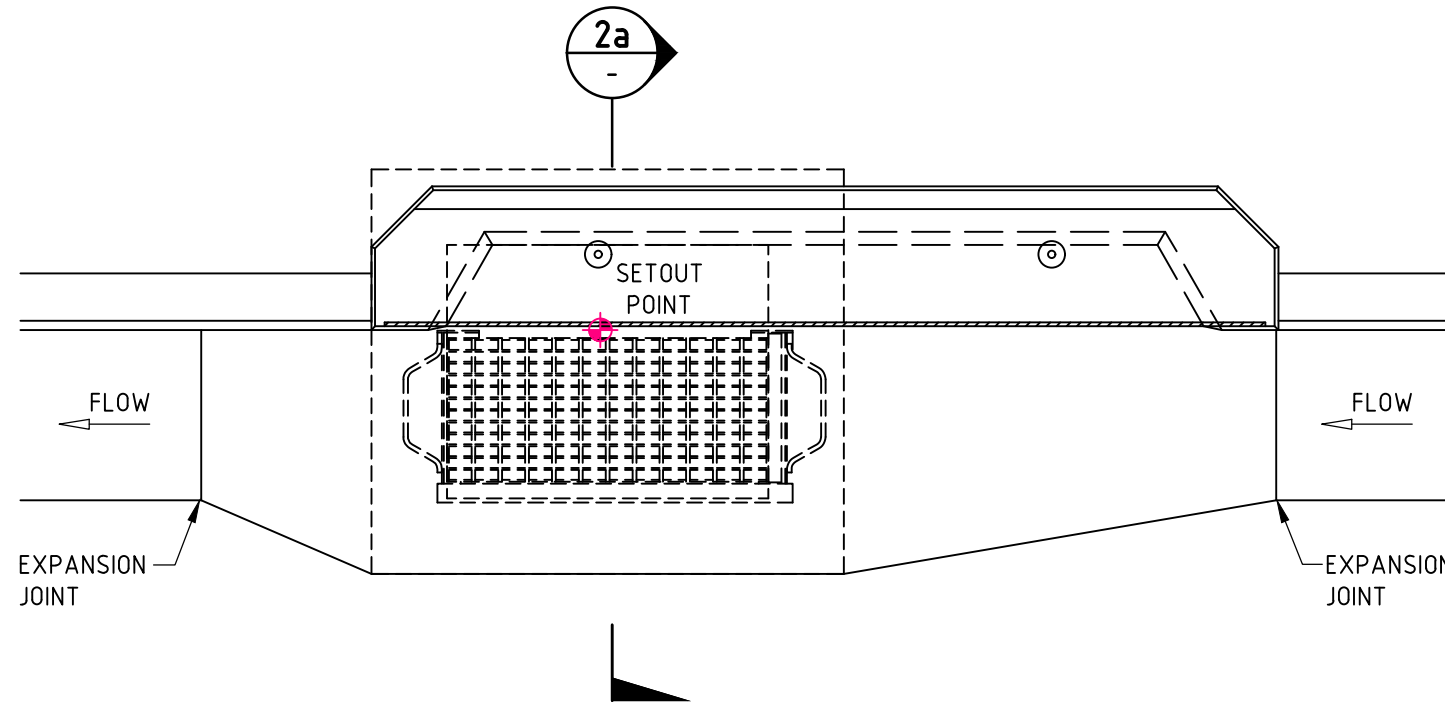


PLAN  
SURFACE INLET 'SIP' / JUNCTION PIT 'JP'

PIT STRUCTURE TO BE 200mm THICK UNLESS SHOWN OTHERWISE. DRILL AND EPOXY PLASTIC PROPRIETARY STEP IRONS IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND MANUFACTURERS SPECIFICATIONS (PITS > 1000mm DEPTH).  
REFER PIT INTERFACE DETAIL 'F' FOR CORNER REINFORCEMENT



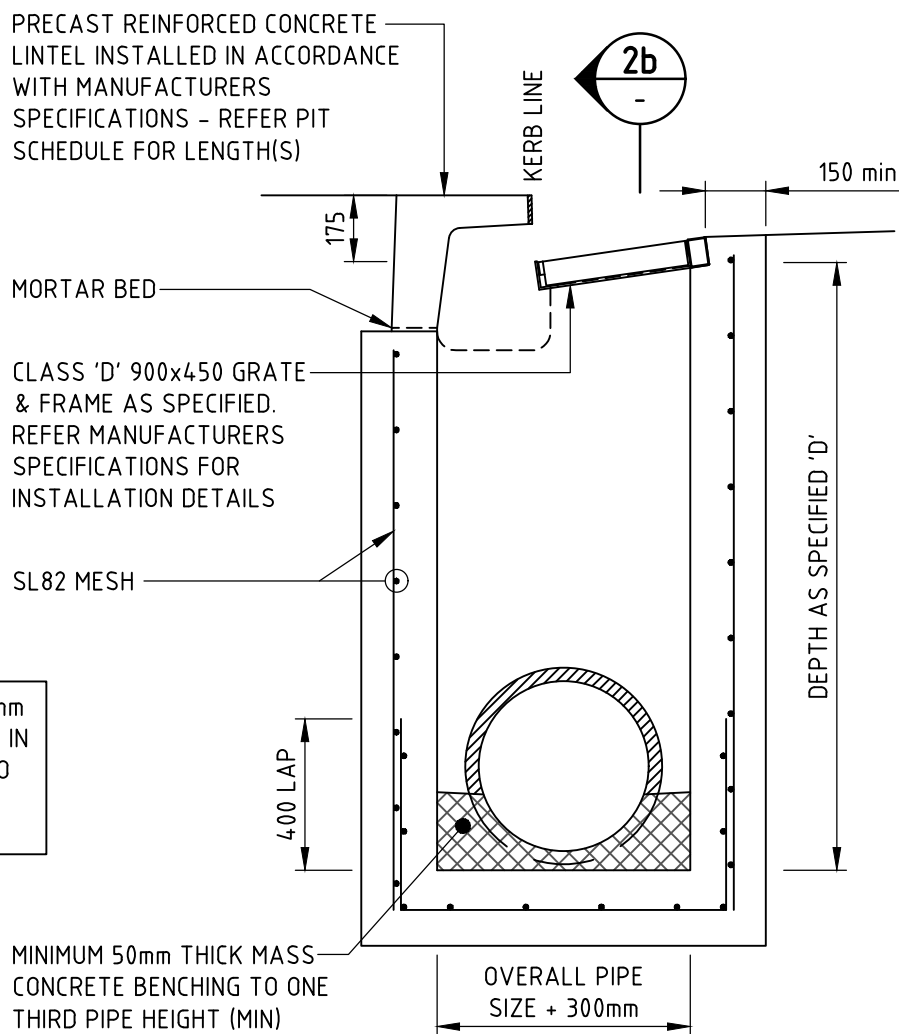
SECTION 2b



PLAN

KERB INLET PIT 'KIP'

PIT STRUCTURE TO BE 200mm THICK UNLESS SHOWN OTHERWISE. DRILL AND EPOXY PLASTIC PROPRIETARY STEP IRONS IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND MANUFACTURERS SPECIFICATIONS (PITS > 1000mm DEPTH).  
REFER PIT INTERFACE DETAIL 'F' FOR CORNER REINFORCEMENT



SECTION 2a

FOR SAG PITS, ENSURE PIT LINTEL IS LOCATED CENTRAL TO PIT GRATE AND FRAME AND 1:10 CHUTE IS CONSTRUCTED TO BOTH SIDES OF PIT

REFER EXTENDED CHAMBER PIT DETAIL FOR PIPEWORK IN EXCESS OF 450 AND WHERE REQUIRED

STANDARD DETAILS

ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO NORTHP ENGINEERS FOR CLARIFICATION		
COUNCIL DETAILS - BLACKTOWN CITY COUNCIL		
COMPONENT	DWG REFERENCE	DRAWING TITLE
KERB AND GUTTER	A(BS) 101M	STD KERBS AND GUTTERS
LAYBACK	A(BS) 102S	STANDARD RESIDENTIAL FOOTWAY AND LAYBACK CROSSING
LAYBACK	A(BS) 103S	STD INDUSTRIAL & COMMERCIAL FOOTWAY CROSSINGS
KERB RAMP	A(BS) 104M	PATH PAVING AT INTERSECTIONS AND KERB RAMP DETAILS

DRAWN: C. PASKE  
DESIGNED: J. GRINSELL  
JOB MANAGER: J. GILLIGAN  
VERIFIER:

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE
1	ISSUED FOR SSDA	VC		JG	25.01.19
2	ISSUED FOR REF APPROVAL	JRG		JG	06.02.19
3	ISSUED FOR DEVELOPMENT APPLICATION	JRG		JG	13.02.19
4	ISSUED FOR SSDA	VC		JG	31.05.19

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SCALE VARIES	

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Email sydney@northrop.com.au ABN 81 094 433 100	

PROJECT	
JORDAN SPRINGS PRIMARY SCHOOL	
14-28 CULLEN AVENUE, JORDAN SPRINGS	

DRAWING TITLE	
CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION	
DETAILS - SHEET 01	

JOB NUMBER	
182535	
DRAWING NUMBER	REVISION
DAC09.01	4
DRAWING SHEET SIZE = A1	

NOT FOR CONSTRUCTION



# JORDAN SPRINGS PRIMARY SCHOOL

## SSDA LANDSCAPE SET



DRAWING SCHEDULE

L-0000	COVER SHEET
L-0001	SITE PLAN
L-1000	CENTRAL PLAY AREA
L-1001	UPPER PLAY AREA
L-1002	BUSH GARDEN - WESTERN BOUNDARY
L-5100	TREE PLANTING STRATEGY
L-5200	TREE SCHEDULE
L-5001	PLANTING SHCEDULES
L-5002	PLANTING SCHEDULES
L-6001	GENERAL SECTIONS PART 1
L-6002	GENERAL SECTIONS PART 2
L-6003	ELEVATION CULLEN AVE





LEGEND

- 1 School entry/drop off zone
- 2 Accessible drop off & parking alongside garbage storage & service access.
- 3 Pedestrian access & entry path.
- 4 Gathering space with shade and seating.
- 5 Outdoor seating/break out space.
- 6 Handball courts.
- 7 Informal lawn.
- 8 Playground.
- 9 Nature play.
- 10 Food growing.
- 11 Ramp to double slide.
- 12 Emergency access
- 13 Break out space adjacent to school hall/gym
- 14 Covered school entry.
- 15 Outdoor learning areas.
- 16 Bush garden/outdoor learning.
- 17 Native planting to boundary.
- 18 Defensible space (fire) which accomodates swale (stormwater runoff)
- 19 Detention basin with vehicular access (maintenance).





LEGEND

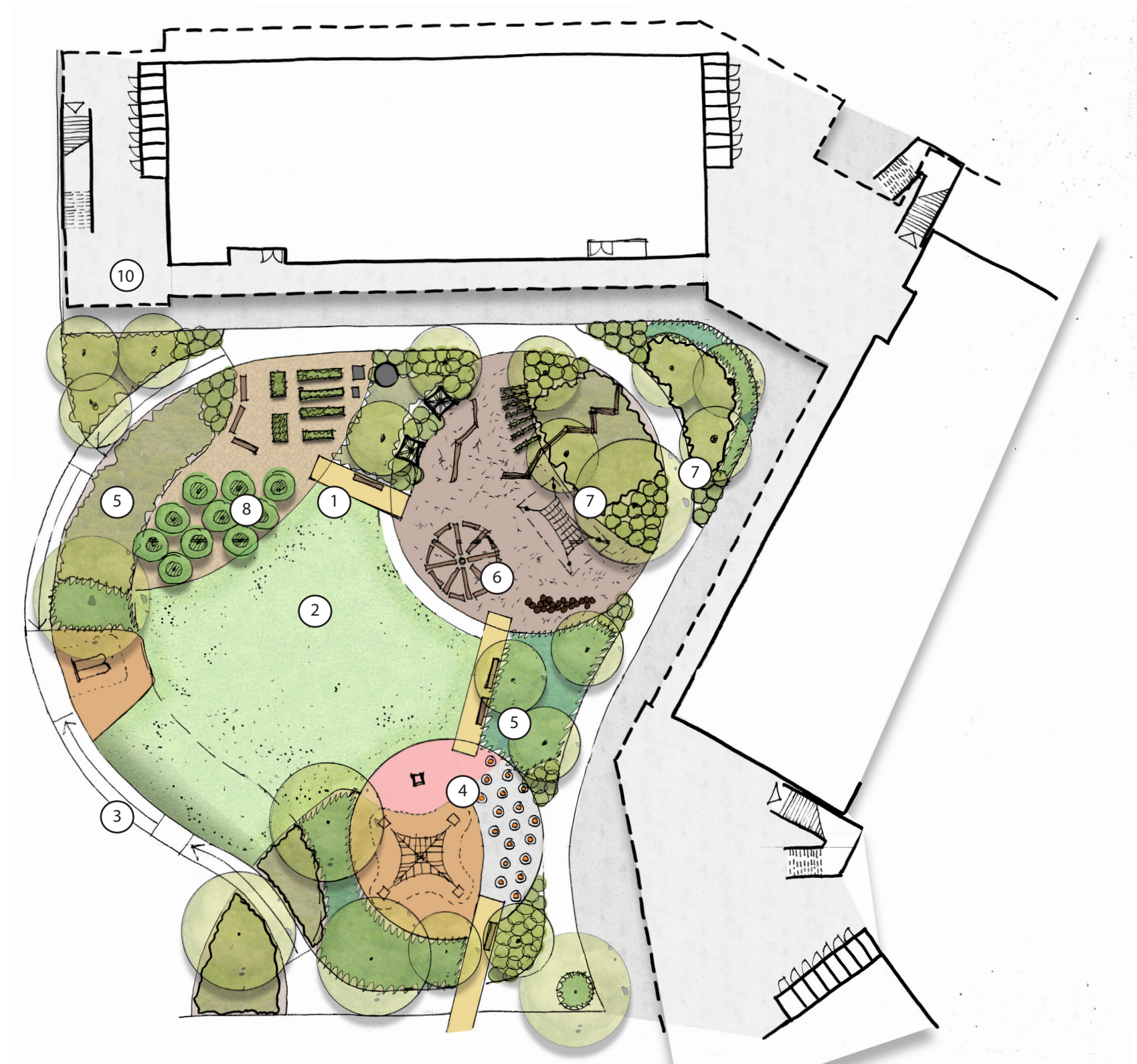
- 1 Covered entry to school.
- 2 Gathering place/plaza with shade and seating.  
Central deck at varying heights.
- 3 Pergola - slatted & vine-vine covered sections.  
Defined by trees in groundcovers.
- 4 Feature trees.
- 5 Turf area - contrast to surrounding surfaces,  
contained internal play area.
- 6 Break-out space - seating & tables with shade  
trees in close proximity to canteen.
- 7 Handball courts - ball play areas.
- 8 Play area - multi play equipment
- 9 Connection to other zones.
- 10 Pedestrian connection (from staff carpark)





LEGEND

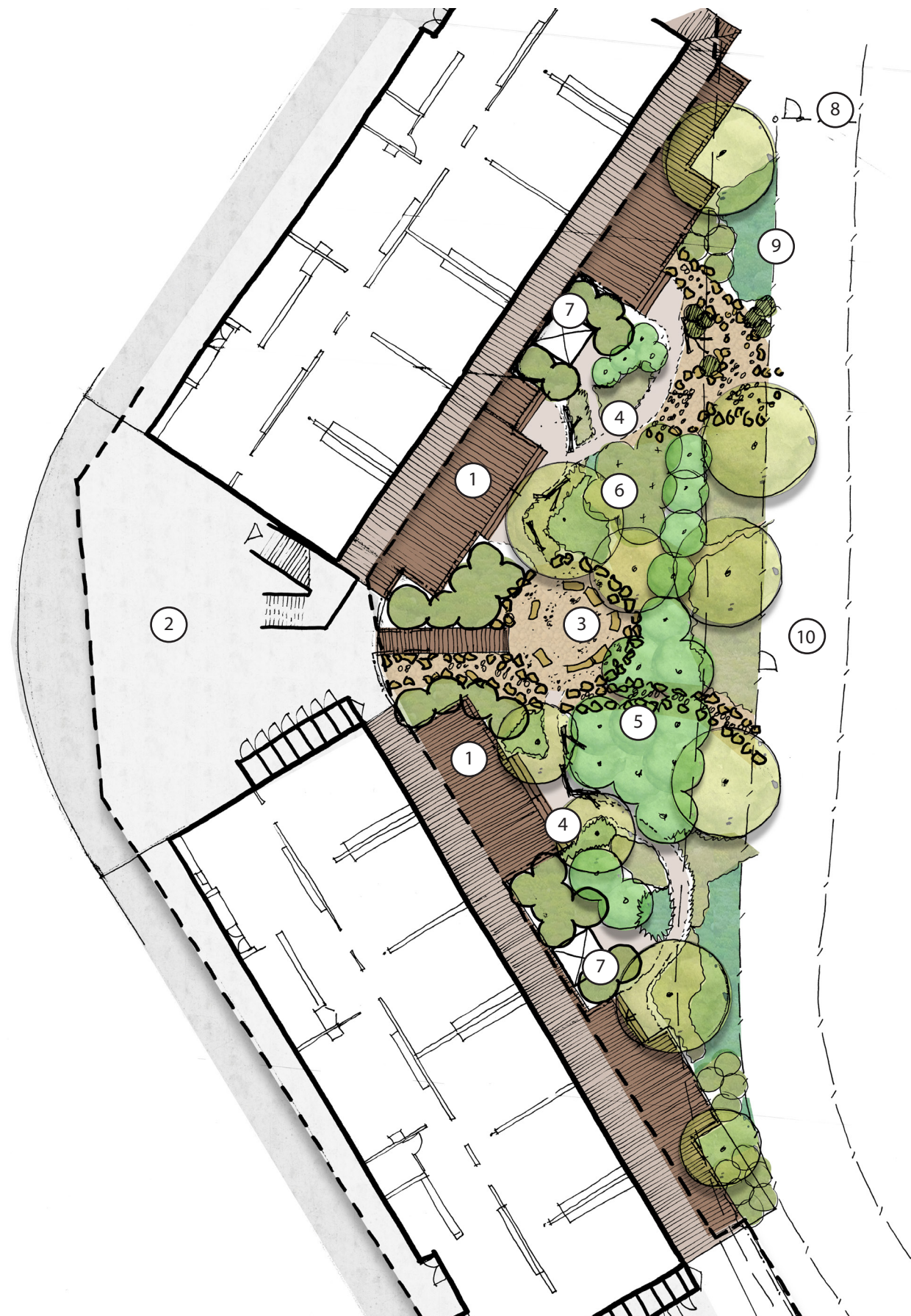
- ① Linking paths with seating and shade between activity zones.
- ② Internal turf area.
- ③ Loop path defines upper playground space. Opportunity for educational markings along path - e.g. measuring length.
- ④ Play zone - climbing and balance for gross motor skills. Ball toss or creative play - line markings.
- ⑤ Mass planting areas with trees for shade & enclosure.
- ⑥ Nature play zone - focus on natural materials & elements.
- ⑦ Sensory garden highlights textures, scent colour within garden.
- ⑧ Food growing area - Raised timber planters potting table, seating, small orchard & water tank.
- ⑨ Double slide - accessible play with rubber softfall. Play link to upper oval.
- ⑩ Potential to store garden equipment under stairwell.





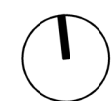
LEGEND

- 1 Outdoor learning spaces - decks.
- 2 COLA - Covered Outdoor Learning Area
- 3 "Bush" meeting place/nature classroom. Utilise rocks or logs for seating in circle arrangement.
- 4 Connect decks to pathways through space. Utilise installments in the environment: wind, solar, water gauge, temperature.
- 5 Dry creek bed.
- 6 Native vegetation - highlight native indigenous plants.
- 7 Mechanical plants - to be screened using timber slats and vegetation. Allow for service access from landscaped area.
- 8 Defensible Space (fire control - tree canopy not to exceed 15% of total area.
- 9 Additional fence to overland flow path.
- 10 Area required overland flow. No obstacles or boulders to be placed with 5 meter setback from boundary.





LEGEND





FEATURE TREES - NATIVE EVERGREEN



Corymbia exima



Corymbia ficifolia



Calistemon salignus



Corymbia exima 'nana'

FEATURE TREES - DECIDUOUS



Fraxinus 'Urbanite'



Lagerstroemia 'Natchez'



Pyrus ussuriensis

BUSH GARDEN - CANOPY



Acacia parramattensis



Bursaria spinouosa



Corymbia maculata



Jacksonia scoparia



Melaleuca armillaris



Corymbia ficifolia

BOUNDARY PLANTING			
BOTANIC NAME	COMMON NAME	MATURE SIZE (H x W) m	NATIVE (N) ENDEMIC (E)
Dodonaea viscosa	Hop Bush	4 x 3	N
Eucalyptus species	Various	Varies	N
Bursaria spinosa	Sweet Bursaria	3 x 2	E
Callistemon "Endeavour"	Bottlebrush	3 x 3	N
Melaleuca decora	White Feather Honey Myrtle	6 x 4	E
Melaleuca linariifolia	Swamp paperbark	9 x 5	N
FEATURE TREES Native, Evergreen			
BOTANIC NAME	COMMON NAME	MATURE SIZE (H x W) m	NATIVE (N) ENDEMIC (E)
Corymbia eximia	Yellow Bloodwood	15 x 7	E
Corymbia eximia "nana"	Dwarf Yellow Bloodwood	8 x 4	N
Corymbia maculata	Spotted gum	25 x 10	E
Corymbia ficifolia grafted	Dwarf grafted Eucalypt	6 x 5	N
Callistemon salignus	White Bottlebrush	7 x 4	N
Eucalyptus crebra	Narrow leaved ironbark	25m +	E
Eucalyptus molucanna	Grey Box	25m +	E
Eucalyptus parramattensis	Parramatta Red Gum	10 x 7	E
Eucalyptus punctata	Grey Gum	20 x 8	E
FEATURE TREES Deciduous			
BOTANIC NAME	COMMON NAME	MATURE SIZE (H x W) m	NATIVE (N) ENDEMIC (E)
Fraxinus "Urbanite"	Ash	15 x 8	
Lagerstroemia "Natchez"	Crepe Myrtle white flowering	6 x 6	
Pyrus ussuriensis	Manchurian Pear	14 x 12	
Ulmus parvifolia	Chinese Elm "Todd"	10 x 11	



DECIDUOUS TREES



Fraxinus urbanite



Lagerstroemia sp.



Ulmus parvifolia Todd



Pyrus sp.

NATIVE TREES



Banksia integrifolia



Callistemon viminalis



Melaleuca decora



Melaleuca ericifolia



Melaleuca linariifolia



Tristania "Luscious"

NATIVE SHRUBS



Banksia ericifolia



Callistemon Captain Cook



Caothamus quadrifidus



Grevillea species



Philotheca myoporoides



Westringia fruticosa



Melaleuca "Claret Tops"

NATIVE GRASSES & GROUNDCOVERS



Caex appressa



Carpobrotus glaucescens



Chryscephalum apiculatum



Dianella "Little Jess"



Lomandra "Tanika"



Pennisetum "Nafay"



Poa "Eskdale"

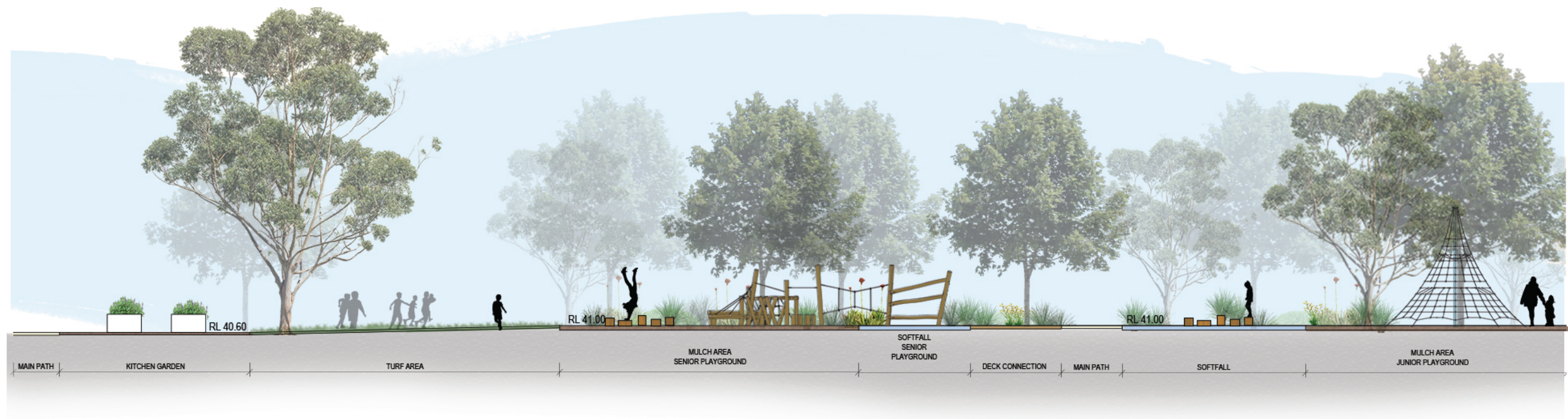


BOTANIC NAME	COMMON NAME	INSTALLATION SIZE	MATURE SIZE (H x W) m	
CENTRAL PLAY SPACES				
DECIDUOUS TREES				
Jacaranda mimosifolia	Jacaranda	400 Lt	15 x 15	
Lagerstroemia indica	Crepe Myrtle	200L	8 x 6	
Pyrus calleryana "Chanticleer"	Chanticleer Ornamental Pear	100 L	10 x 7	
Pyrus ussuriensis	Ornamental Pear	100 L	12 x 8	
NATIVE TREES				SPACING (mm)
Banksia Integrifolia	Coastal Banksia	45L	7 x 4	As shown
Callistemon viminalis	Weeping bottlebrush	45L	8 x 5	As shown
Melaleuca decora	White Feather Honey Myrtle	45L	6 x 4	As shown
Melaleuca ericifolia	Swamp paperbark	45L	9 x 5	As shown
Melaleuca linariifolia	Snow in Summer	45L	10 x 4	As shown
Tristaniopsis laurina "Luscious"	Water Gum	45L	12 x 5	As shown
NATIVE SHRUBS				SPACING (mm)
Banksia ericifolia	Heath Banksia	25 L	2 x 2	1200
Callistemon 'Captain Cook'	Dwarf Red Bottlebrush	25 L	1.5 x 1.5	800
Calothamnus quadrifidus	Net Bush	200mm	1.5 x 2.0	1000
Hibbertia diffusa	Wedge Guinea Flower	140mm	0.4 x 0.6	400
Leptospermum "Little Bun"	Dwarf Tea tree	200mm	2 x 1.5	600
Melaleuca "Claret Tops"	Honey Myrtle	200mm	1.0 x 0.8	600
Plectranthus argentatus	Silver spur	200mm	1 x 1	700
Philotheca "Profusion"	Eriostemon	200mm	1.5 x 1.5	800
Pimelea nivea	Cotton bush	140mm	0.6 x 2	1000
Prostanthera sieberi	Native Mint Bush	140mm	1 x 1.5	1000
Westringia fruticosa	Native Rosemary	200mm	1.5 x 1.5	600
NATIVE GRASSES & GROUNDCOVERS				SPACING (mm)
Carex apressa	Tall sedge	150mm	0.8 x 0.6	300
Carpobrotus glaucescens	Pigface	150mm	0.3 x 1.5	800
Chrusocephalum apiculatum	Yellow Buttons	150mm	0.3 x 0.5	400
Cissus antarctica	Kangaroo vine	150mm	0.5 x 1.5	600
Dianella 'Little Jess'	Little Jess Dianella	150mm	0.4 x 0.4	300
Lomandra longafolia 'Tanika'	Lomandra Tanika	150mm	0.5 x 0.5	400
Pennisetum Nafray	Fountain Grass	150mm	0.6 x 0.6	400
Pennisetum "Penstripe"	Fountain Grass	150mm	0.45 x 0.45	400
Pennisetum "Rubrum"	Fountain Grass	150mm	1 x 1	600
Poa labillardieri "Eskdale"	Tussock grass	150mm	1 x 0.5	500
Isolepis nodosa	Knobby Club Rush	150mm	1 x 0.5	300

BOTANIC NAME	COMMON NAME	INSTALLATION SIZE	MATURE SIZE (H x W) m	
SENSORY GARDEN				
TREES				
Allocasuarina species	She-oak	75 Lt	8 x 4	
Lagerstroemia indica	Crepe Myrtle	200L	12 x 10	
Magnolia Little Gem	Magnolia	100 Lt	4 x 2.5	
Melaleuca species	Paperbark	75 Lt	10 x 6	
Syringa vulgaris	Lilac cultivar	45 Lt	3.0 x 3.0	
SHRUBS & GROUNDCOVERS				SPACING (mm)
Ajuga reptans	Bugle weed	150mm	0.3 x 0.6	300
Chrysocephalum apiculatum	Everlasting paper daisy	150mm	0.3 x 1.0	400
Cissus antarctica	Kangaroo vine	150mm	0.5 x 1.5	500
Cosmos species	Cosmos	150mm	0.8 x 0.5	300
Dimorphanthea pluvialis	African daisy	200mm	1.0 x 1.0	600
Gardenia species	Gardenia	200mm	1.5 x 0.8	700
Helichrysum species	Liquorice plant	200mm	0.8 x 1.0	400
Lavandula species	Lavander	25 lt	1.0 x 1.0	600
Leptospermum petersonii	Lemon scented Tea tree	200mm	4 x 2.5	1000
Limonium perezii	Statice	200mm	0.8 x 0.6	400
Melaleuca incana "Velvet Cushions"	Paperbark	200mm	0.5 x 0.5	400
Melissa offinalis	Lemon Balm	200mm	0.5 x 0.75	500
Pelargonium citrosum	Lemon scented geranium	200mm	0.8 x 1.0	600
Rosmarinus officinalis	Rosemary	200L	1.5 x 1.5	400
Salvia species	Sage	150mm	0.3 x 0.3	400
Sedum spectabilis	Stonecrop	200mm	0.6 x 0.6	300
Stachys byzantina	Lambs Ears	150mm	0.3 x 0.5	300
Thymus	Thyme	150mm	0.4 x 0.4	400
Tulbaghia violaceae	Society Garlic	150mm	0.3 x 0.3	300

BOTANIC NAME	COMMON NAME	INSTALLATION SIZE	MATURE SIZE (H x W) m	
FOOD GROWING AREA				
TREES				
Aloysia triphylla	Lemon Verbena	45L	3.0 x 3.0	
Citrus hystrix	Kaffir Lime	45L	3.0 x 3.0	
Dwarf citrus	Dwarf Lemon	45L	1.5 x 1.0	
Olea species	Fruiting Olive	45L	8.0 x 3.0	
Syzygium species	Lilly Pilly	45L	2.0 x 1.0	
SHRUBS & GROUNDCOVERS				SPACING (mm)
Brassica species	Kale	150mm	0.45 x 0.45	300
Helichrysum italicum	Curry Plant	200mm	0.8 x 0.5	400
Melissa offinalis	Lemon Balm	200mm	0.5 x 0.75	500
Ocimum basilicum	Basil	150mm	0.4 x 0.4	300
Origanum vulgare	Oregano	150mm	0.3 x 0.3	300
Rosmarinus officinalis	Rosemary	200L	1.5 x 1.5	400
Salvia elegans	Pineapple Sage	200mm	1.2 x 0.9	600
Salvia officinalis	Sage	150mm	0.3 x 0.3	400
Thymus	Thyme	150mm	0.4 x 0.4	400
Tropaeolum species	Nasturtium	150mm	0.3 x 0.8	400
Tulbaghia violaceae	Society Garlic	150mm	0.3 x 0.3	300





01 SECTION 1 - A  
1:1000



01 SECTION 1 - B  
1:1000







02 SECTION 2 - A  
1:1000



02 SECTION 2 - B  
1:1000





