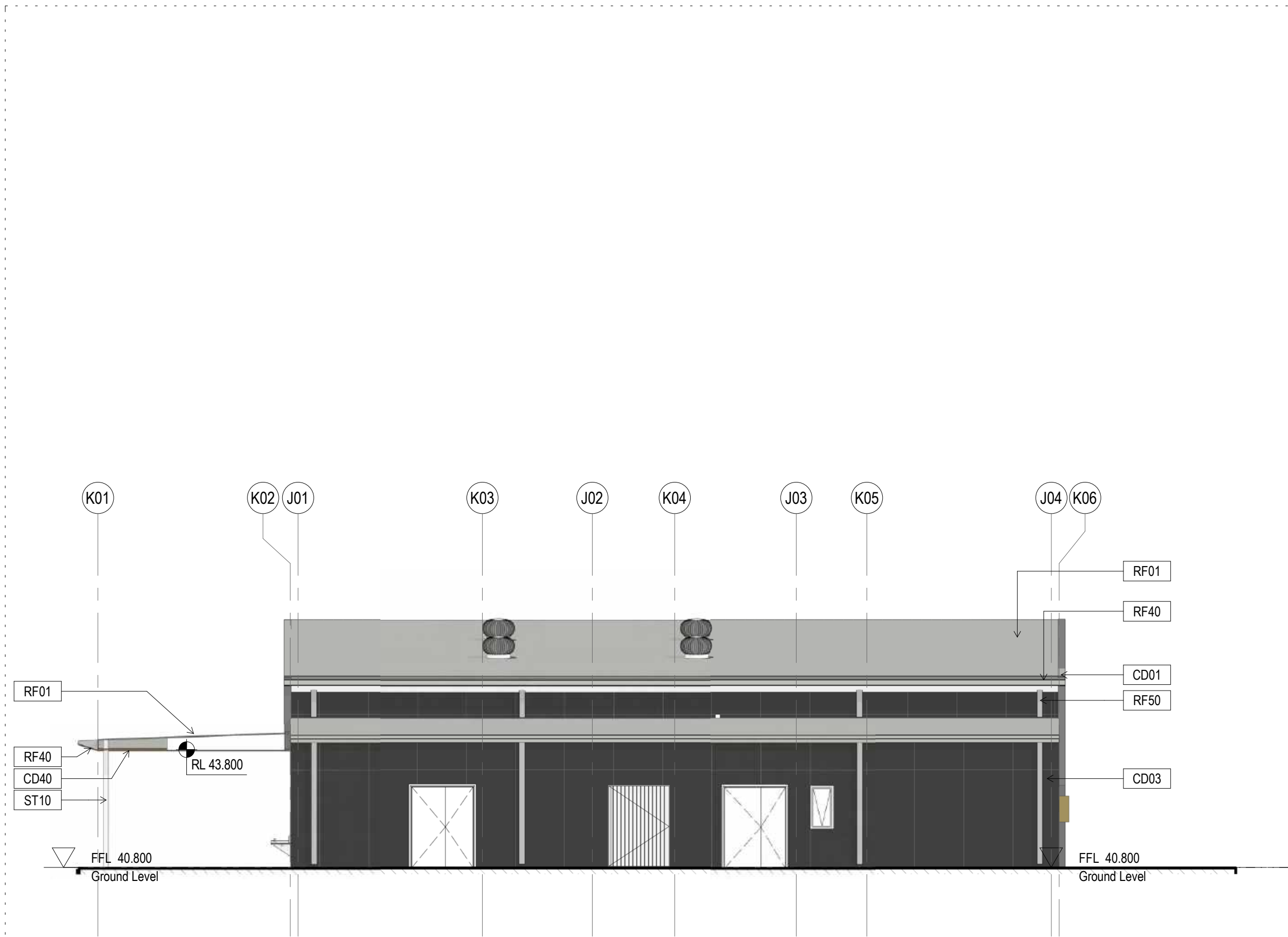
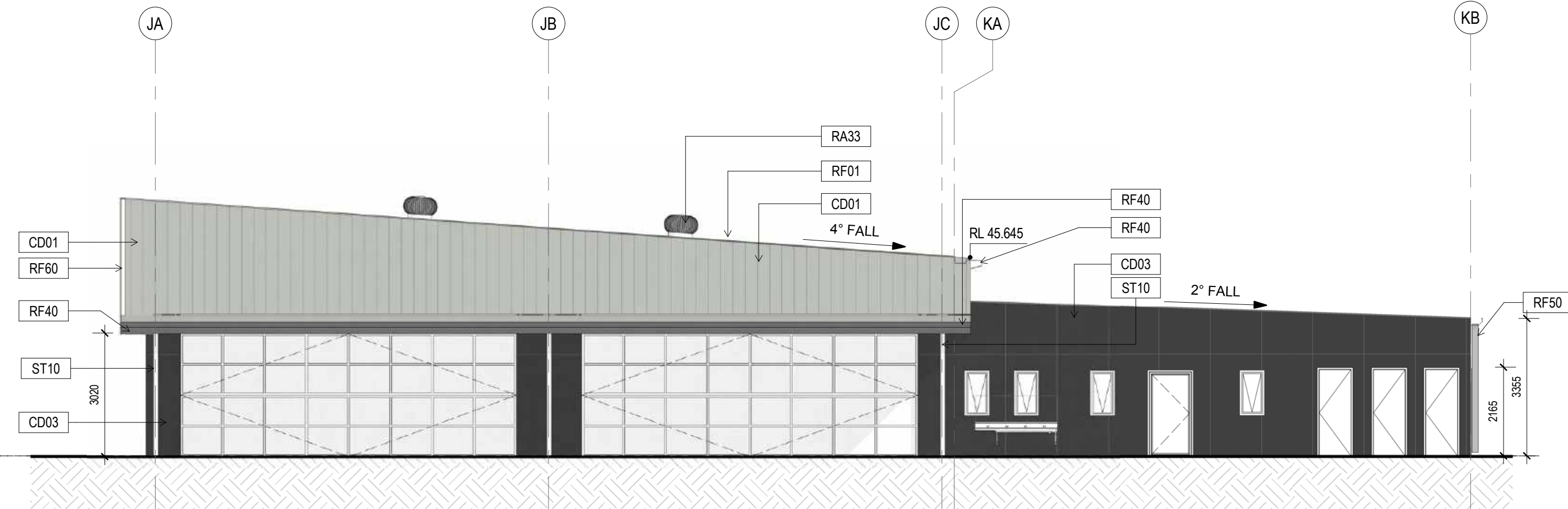
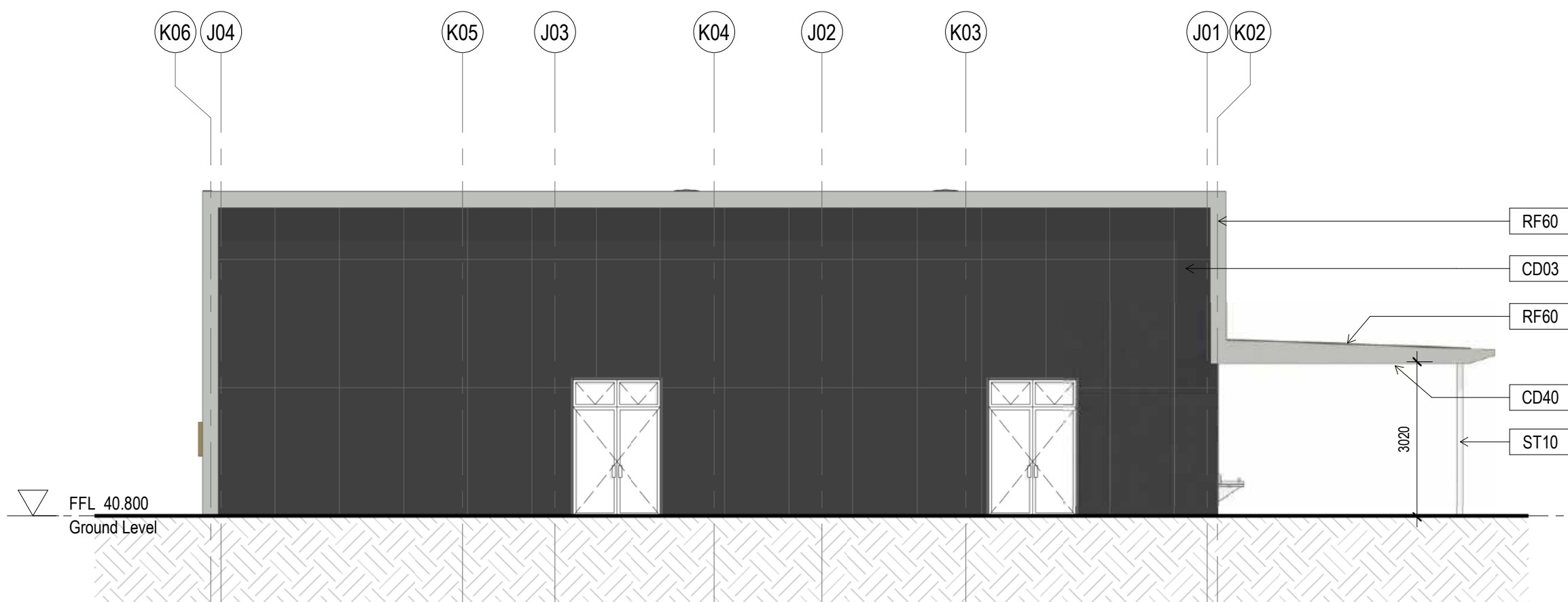




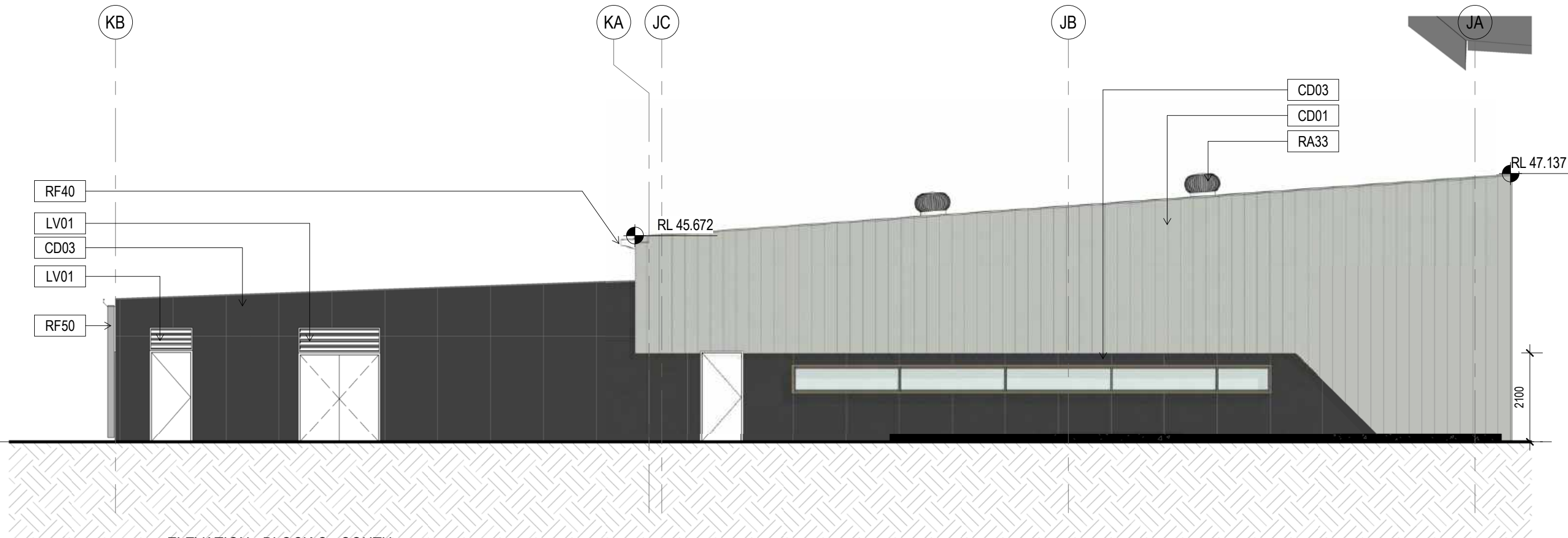
1 ELEVATION - BLOCK C - WEST
1:100



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

General Notes:

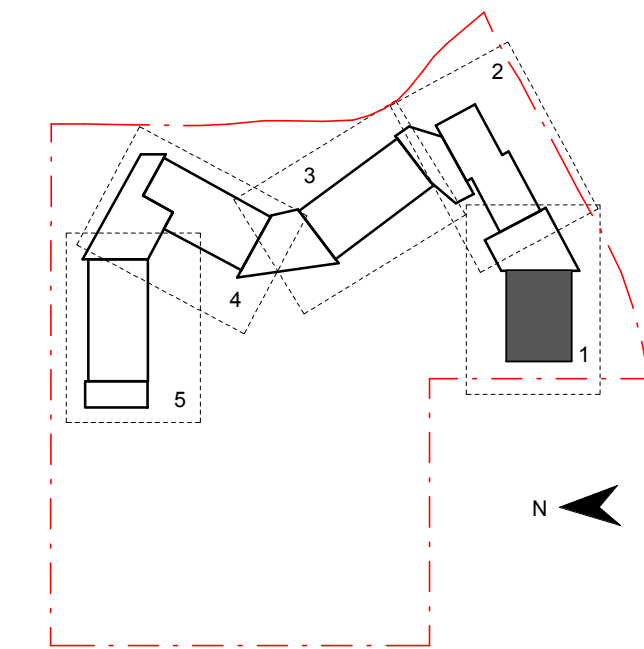
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Amendments

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

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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nom architect M. Sheldon 3990

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

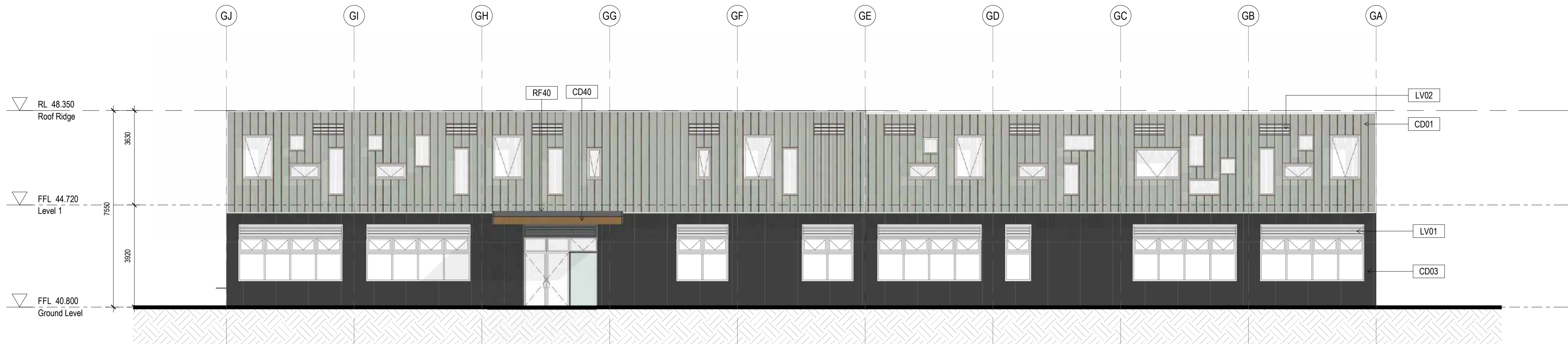
Project No Drawing No Issue

180646 JS-AR-3000 E

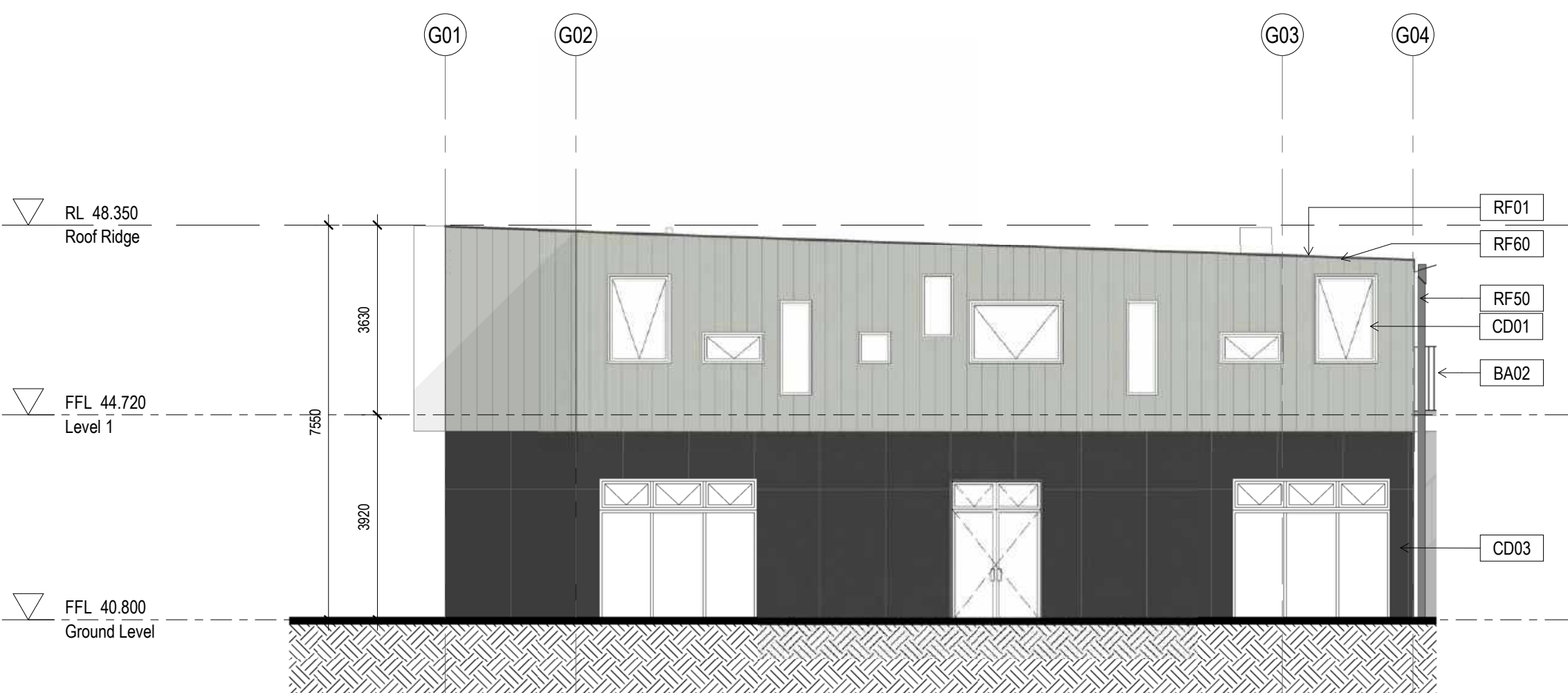
5/3/2019 3:40:16 PM



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

General Notes:

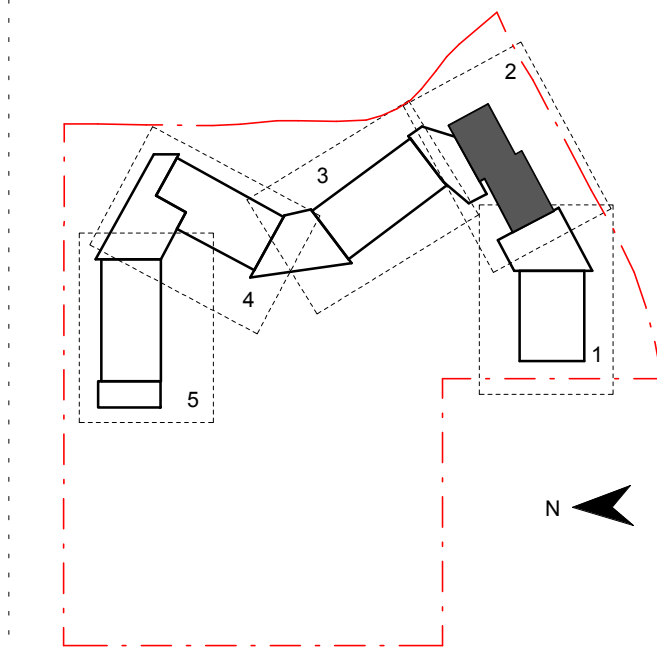
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Amendments

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



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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

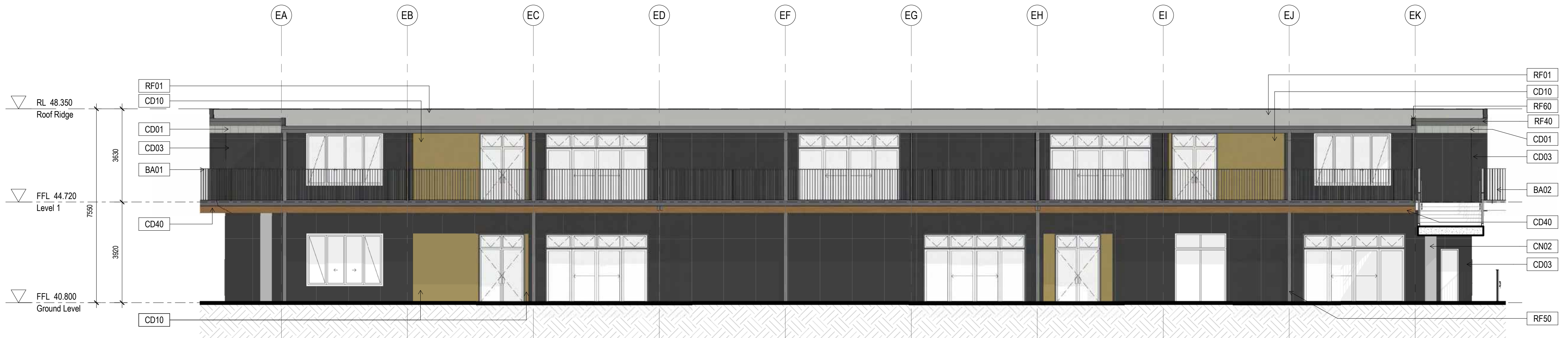
Verified MP

Approved MB

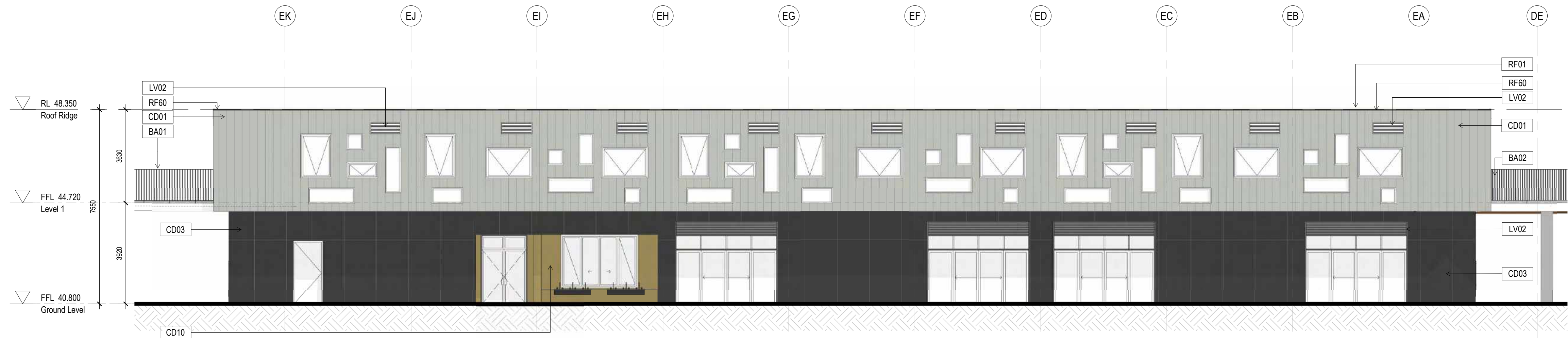
Project No Drawing No Issue

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

General Notes:

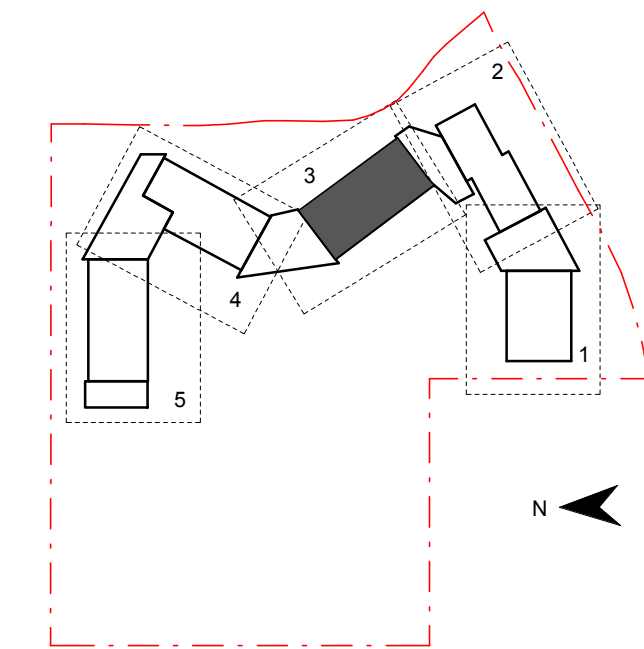
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Amendments

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
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

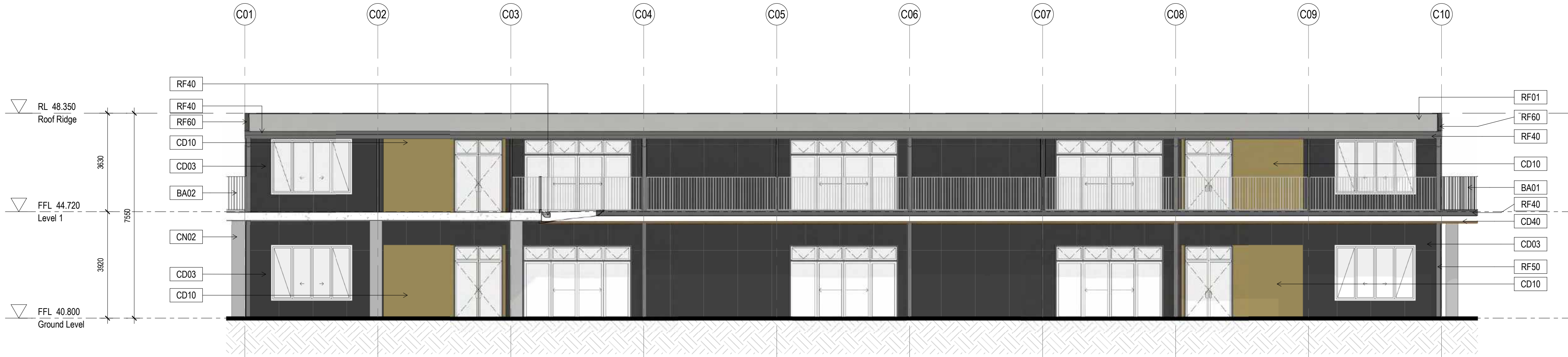
Verified MP

Approved MB

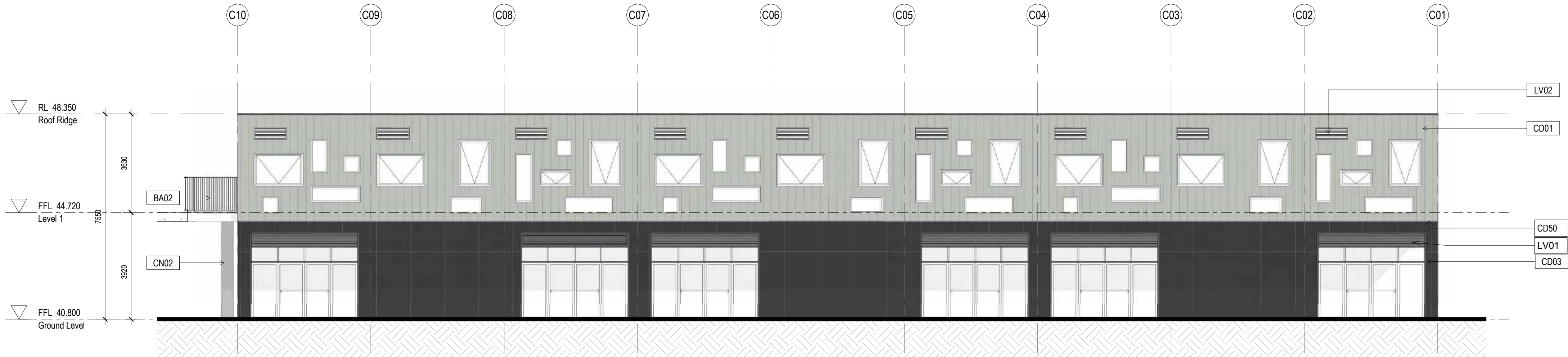
Project No Drawing No Issue

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:

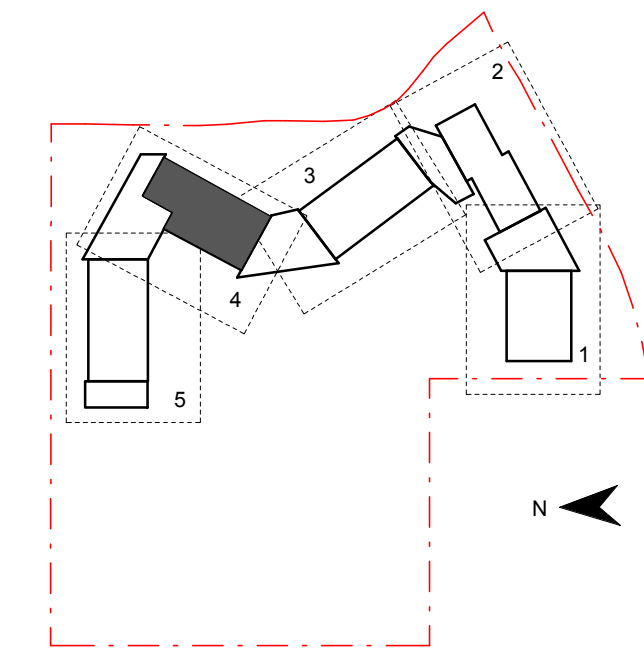
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Amendments

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 'B2'
ELEVATIONS

Scale @ A1 As Indicated

Drawing Created (date) 10/05/19

Drawing Created (by) RS

Plotted and checked by FT

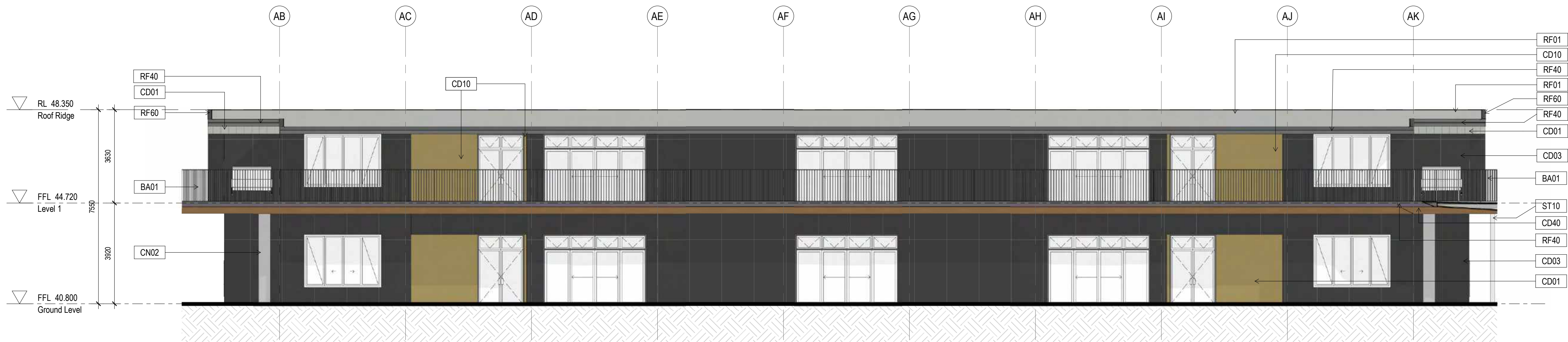
Verified MP

Approved MB

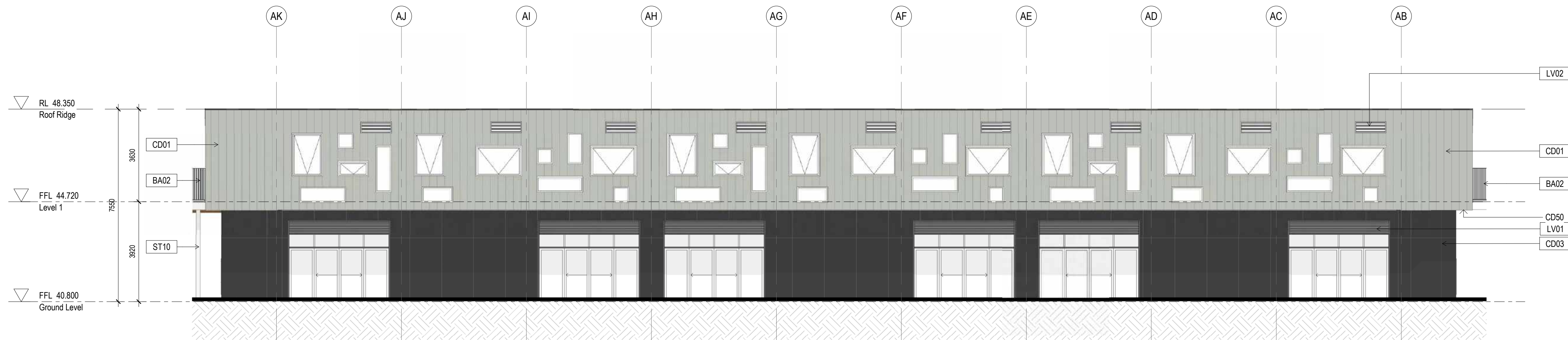
Project No Drawing No Issue

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:

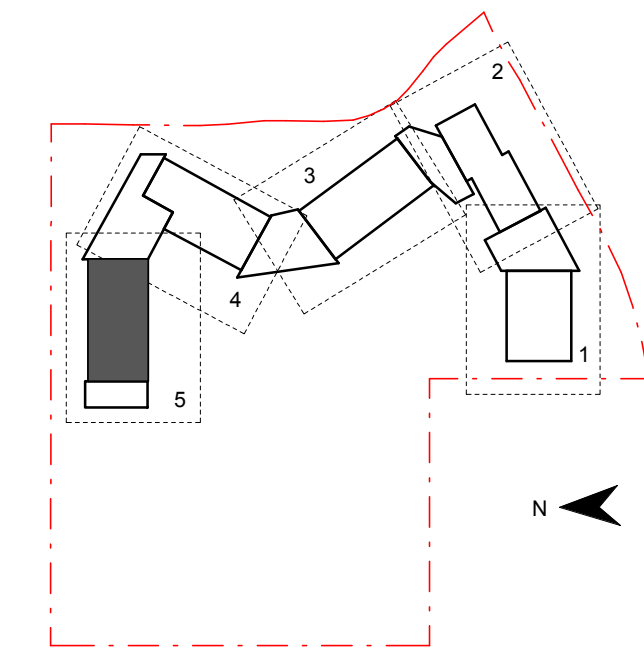
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Amendments

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
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

Client



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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

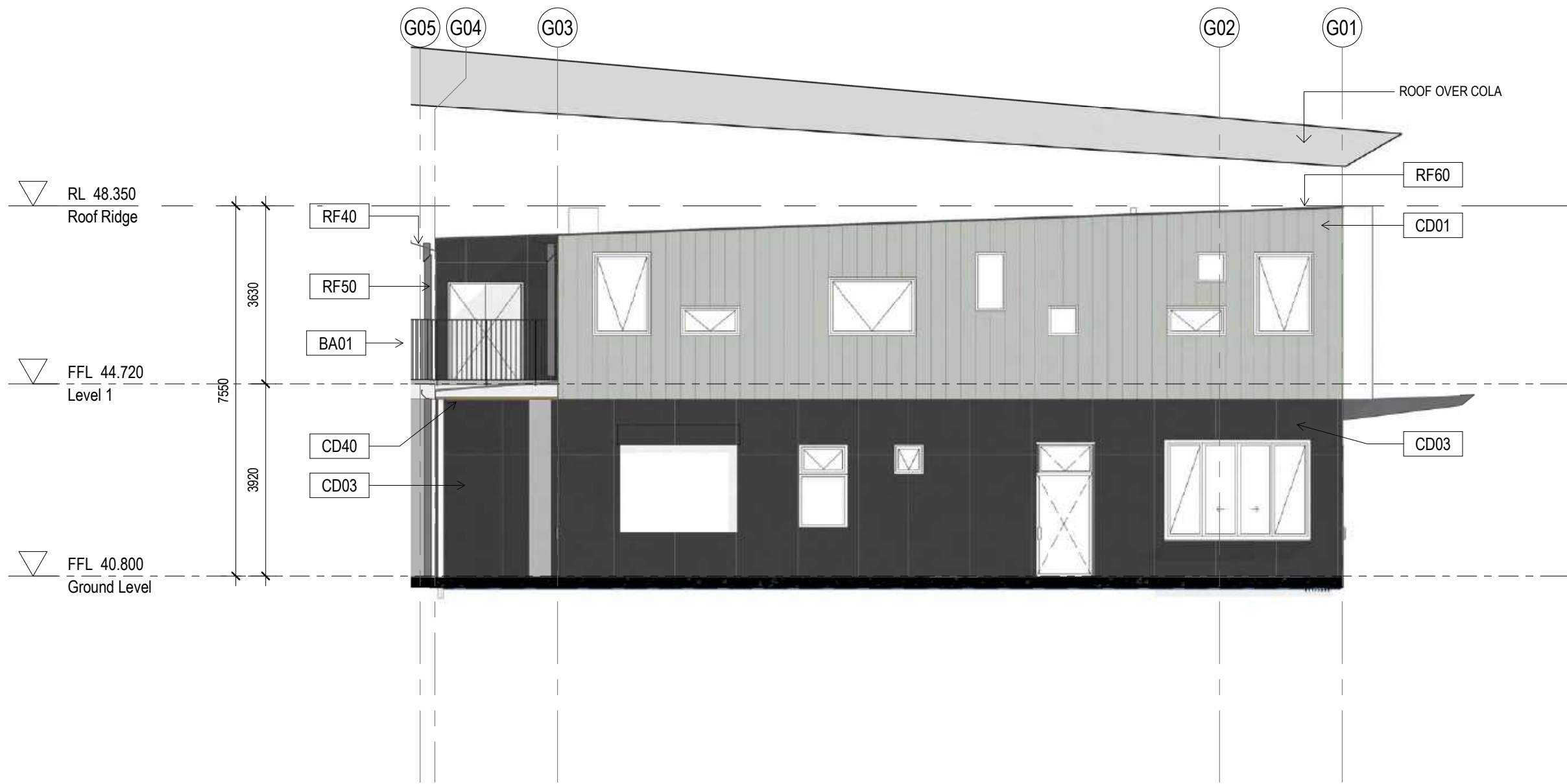
Verified MP

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
- Refer to Modscape documentation for structural and cladding details to modular buildings

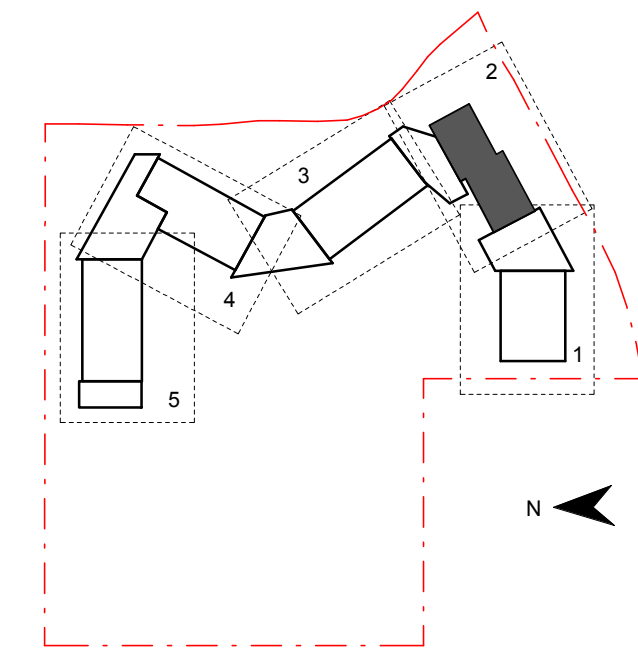
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Amendments

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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nom architect M. Sheldon 3990

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

5/3/2019 3:42:49 PM



1 HOMEBASE B1 - SOUTH SECTION ELEVATION
1:100



2 HOMEBASE B1 -NORTH SECTION ELEVATION
1:100

Elevation Notes:

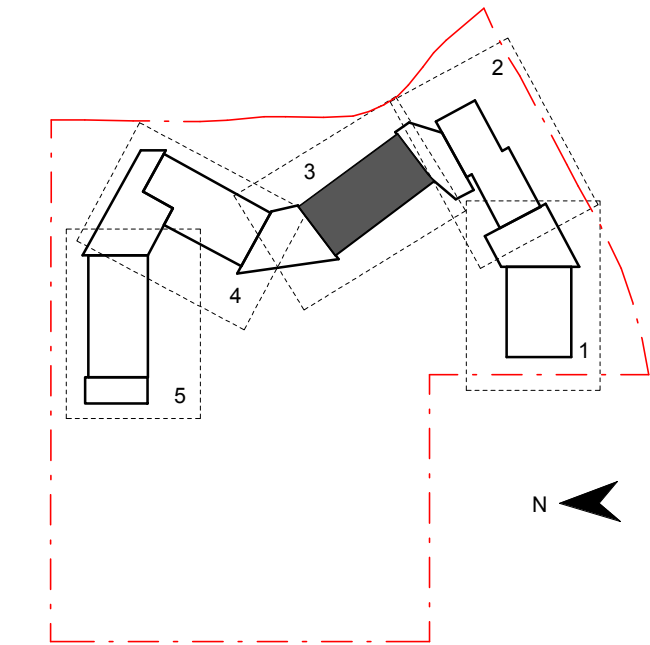
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
- COLA roof structures removed from elevations for clarity. Refer to sections for details.
- Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
- Refer 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		Date
Issue	Description	
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

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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

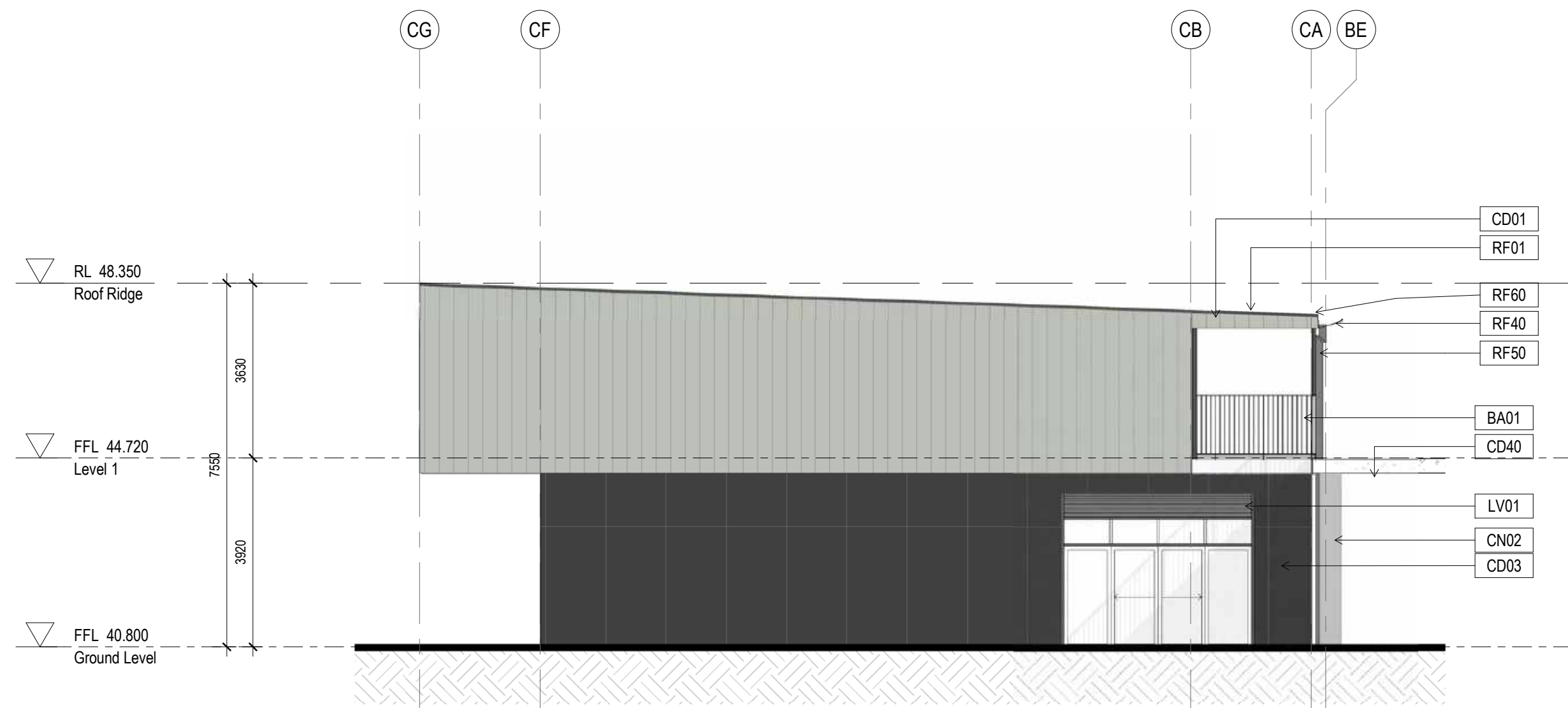
Verified Checker

Approved Approver

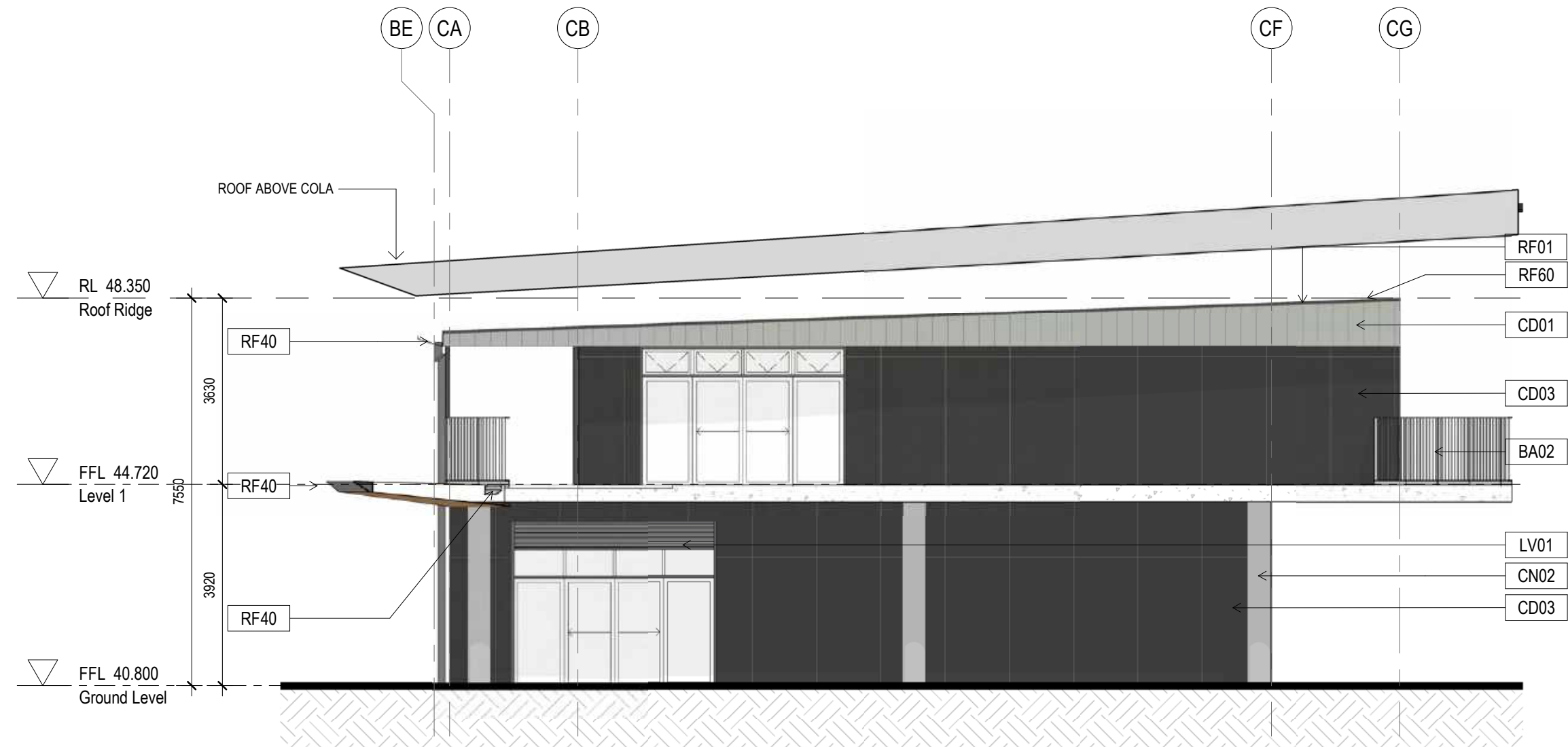
Project No Drawing No Issue

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:

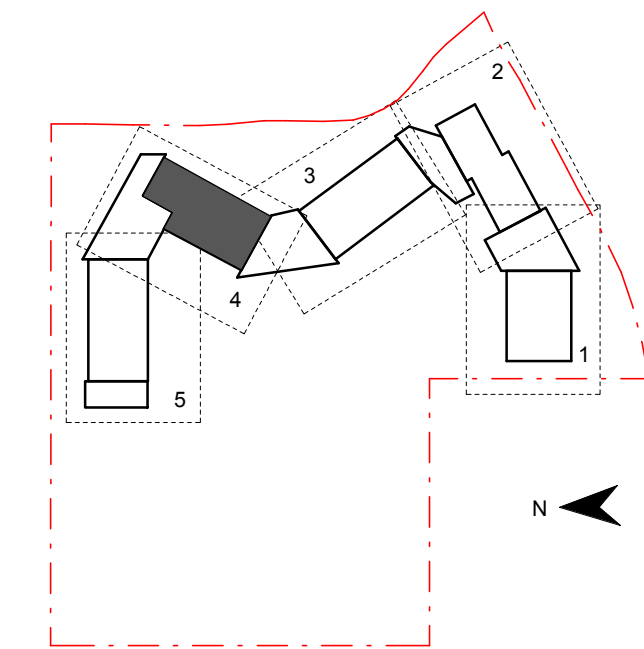
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
- COLA roof structures removed from elevations for clarity. Refer to sections for details.
- Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
- Refer to **3300 Series** for Facade Setouts
- Refer to door schedule **AR-8000** and Common Project **COM-AR-9200 Series** for door types and sizes
- 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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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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architecture interior design urban design landscape
nom architect M. Sheldon 3990

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



1 HOMEBASE B3 - EAST SECTION ELEVATION
1 : 100



2 HOMEBASE B3 - WEST SECTION ELEVATION
1 : 100

Elevation Notes:

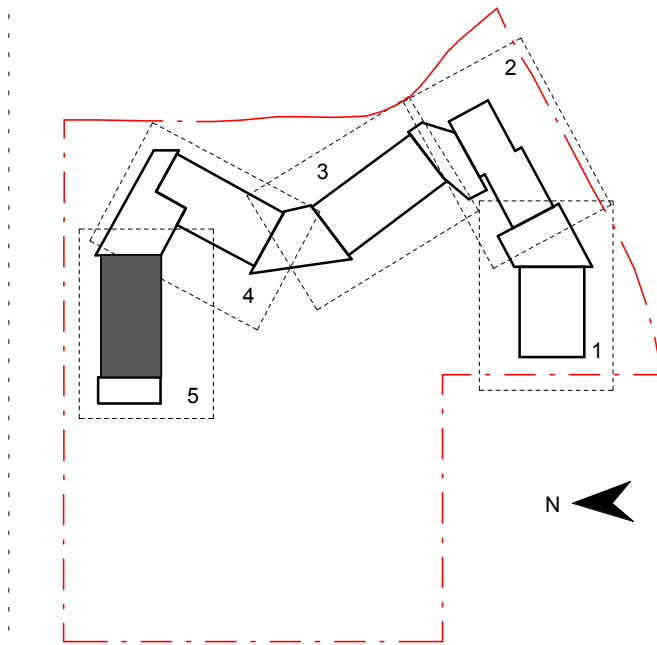
- Refer to technical schedule **COM-AR-9700** for boxed code descriptions
- COLA roof structures removed from elevations for clarity. Refer to sections for details.
- Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
- Refer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

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nom architect M. Sheldon 3990

Project Title

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PUBLIC SCHOOL

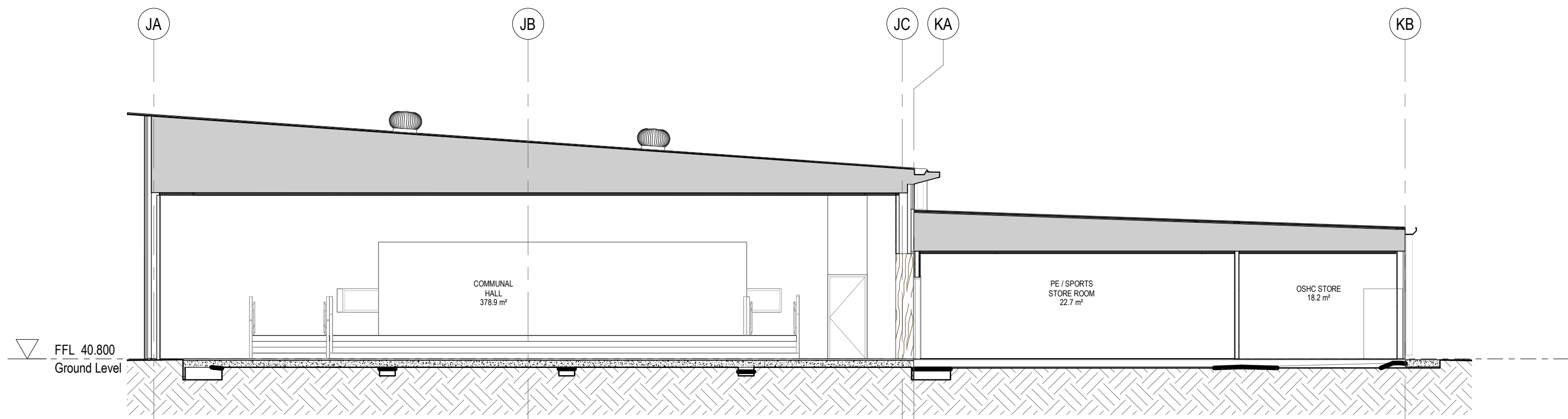
Drawing Title

BUILDING 'B3'
SECTION-ELEVATIONS

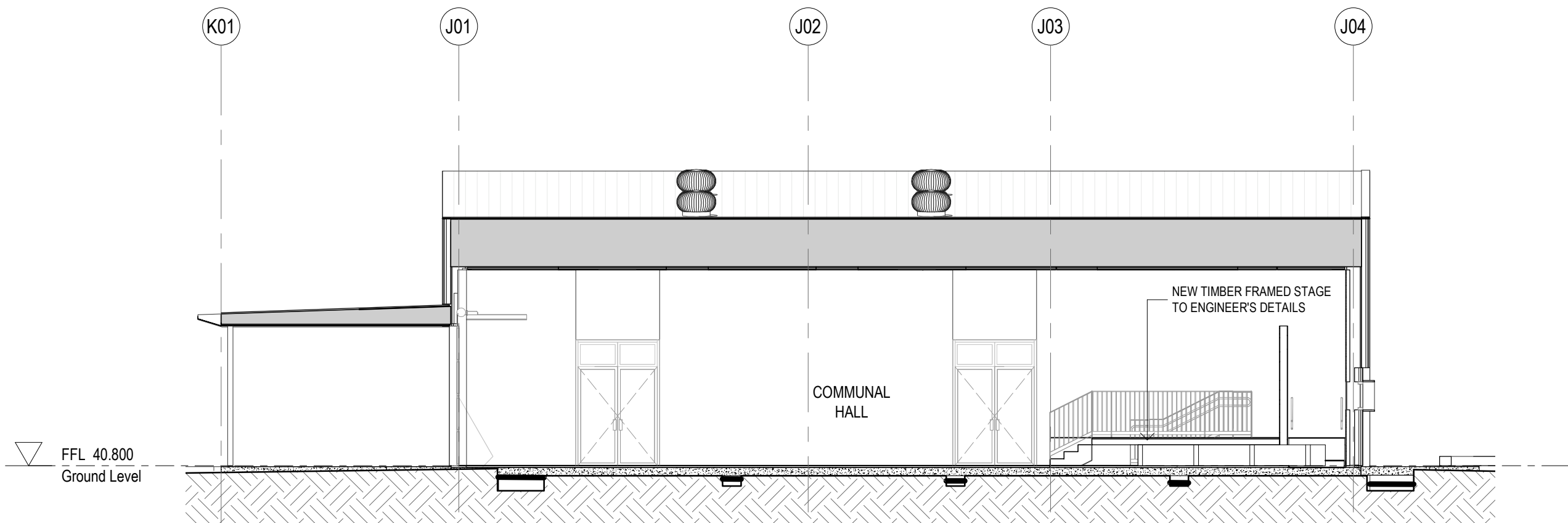
Scale @ A1		As indicated
Drawing Created (date)		05/29/19
Drawing Created (by)		Author
Plotted and checked by		Designer
Verified		Checker
Approved		Approver
Project No	Drawing No	Issue

180646 JS-AR-3053 A

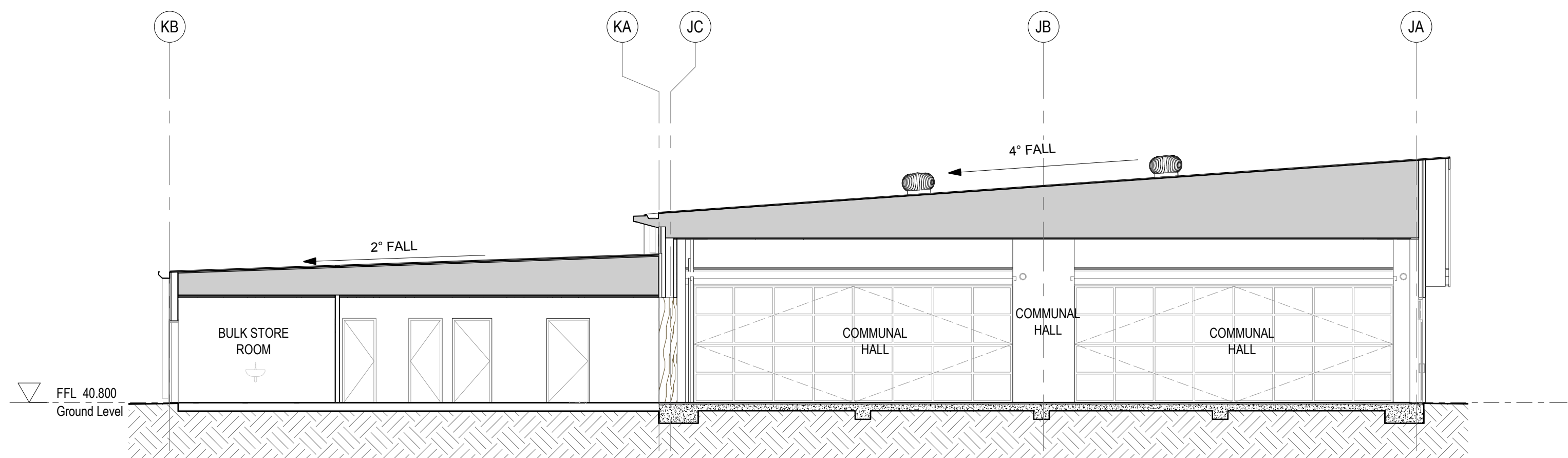
5/3/2019 3:43:38 PM



1 SECTION 03 - BLOCK C HALL
1:100



2 SECTION 02 - BLOCK C HALL
1:100



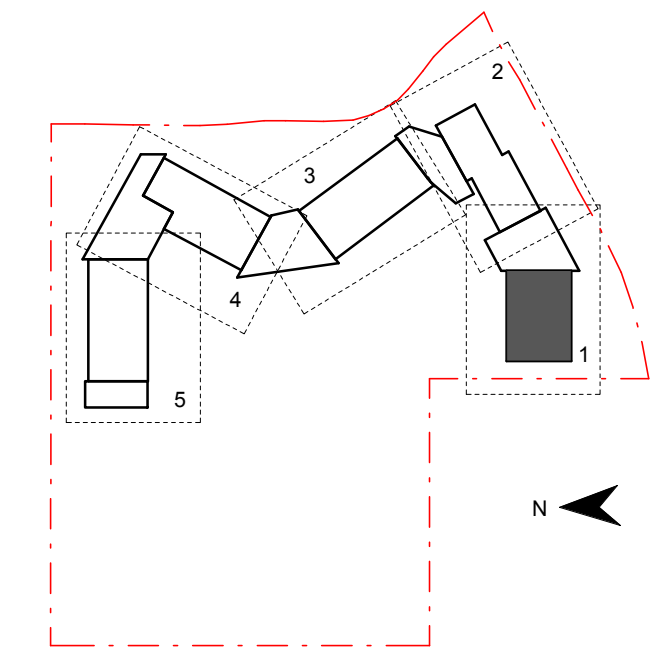
3 SECTION 01 - BLOCK C HALL
1:100

- 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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 - 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



Contractor
RICHARD CROOKES
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nom architect M. Sheldon 3990

Project Title
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PUBLIC SCHOOL

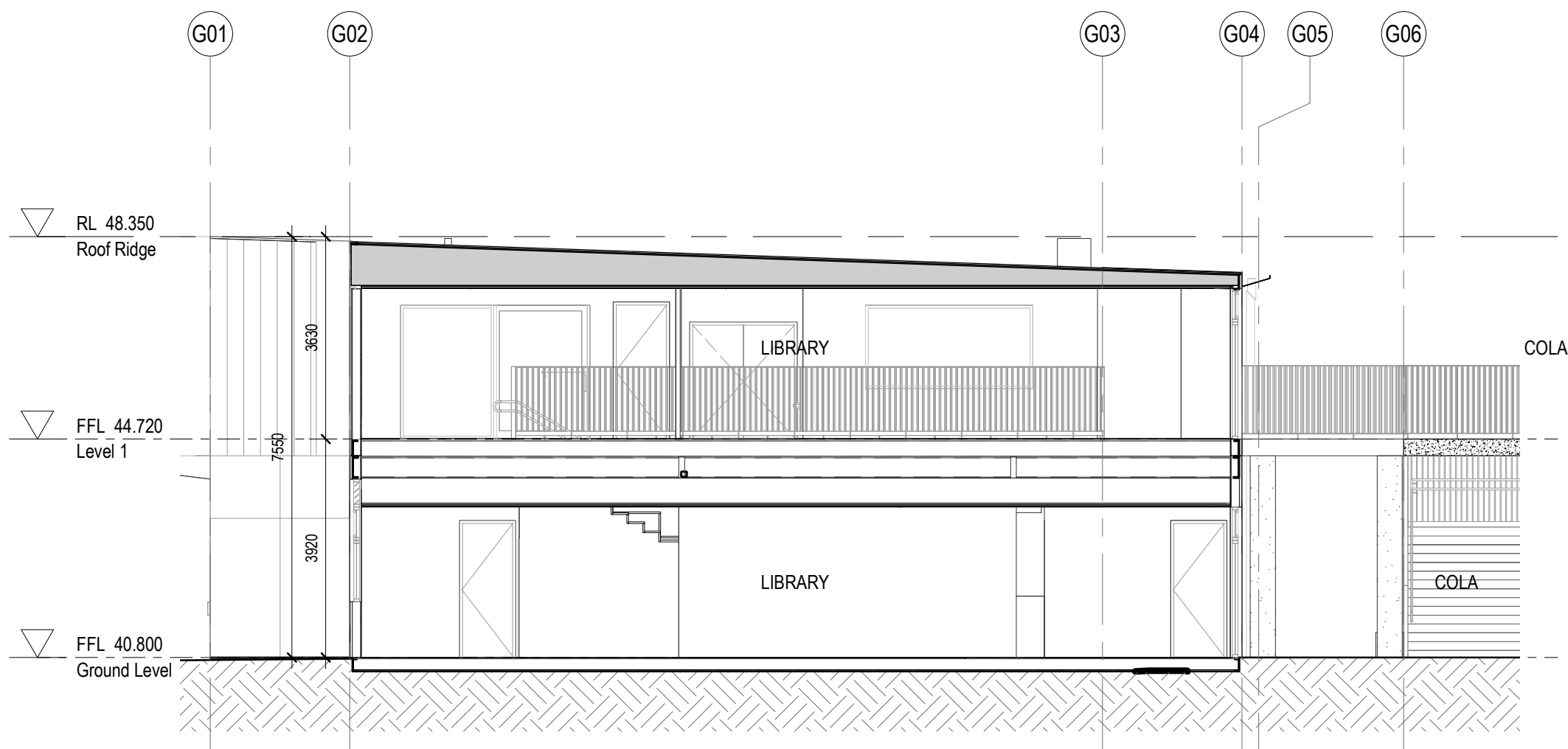
Drawing Title

SECTIONS - BLOCK C

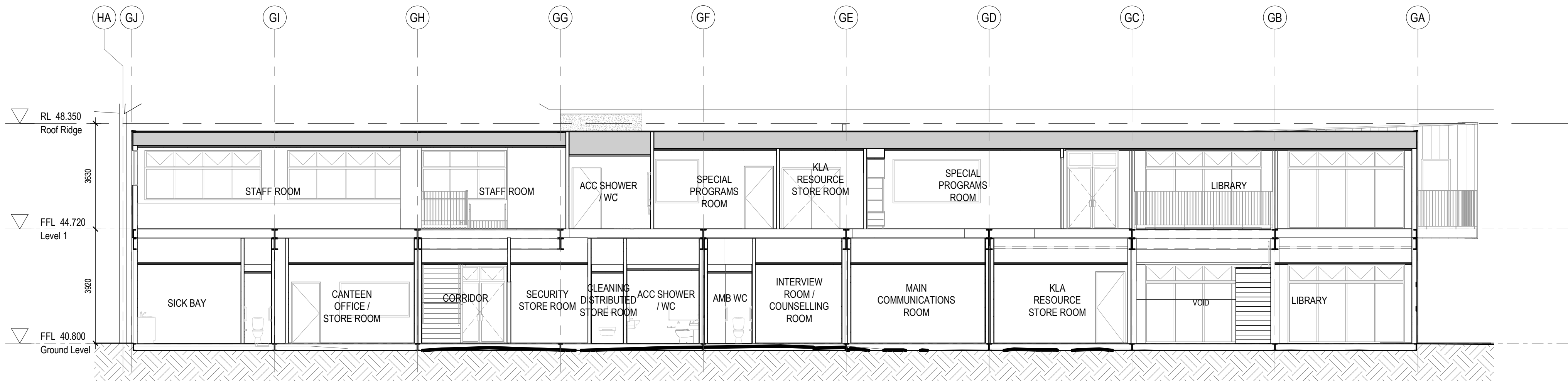
Scale @ A1		As indicated
Drawing Created (date)		10/05/19
Drawing Created (by)		FC
Plotted and checked by		HK
Verified		FC
Approved		MP
Project No	Drawing No	Issue

180646 JS-AR-3100 B

5/3/2019 3:43 PM



1 SECTION 01 - BLOCK A ADMIN
1 : 100

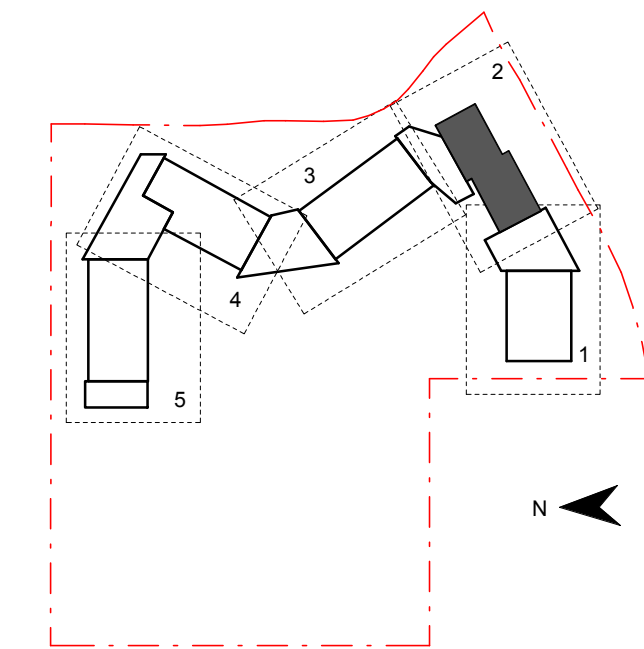


2 SECTION 02 - BLOCK A ADMIN
1 : 100

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



Contractor
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Project Title
**JORDAN SPRINGS
PUBLIC SCHOOL**

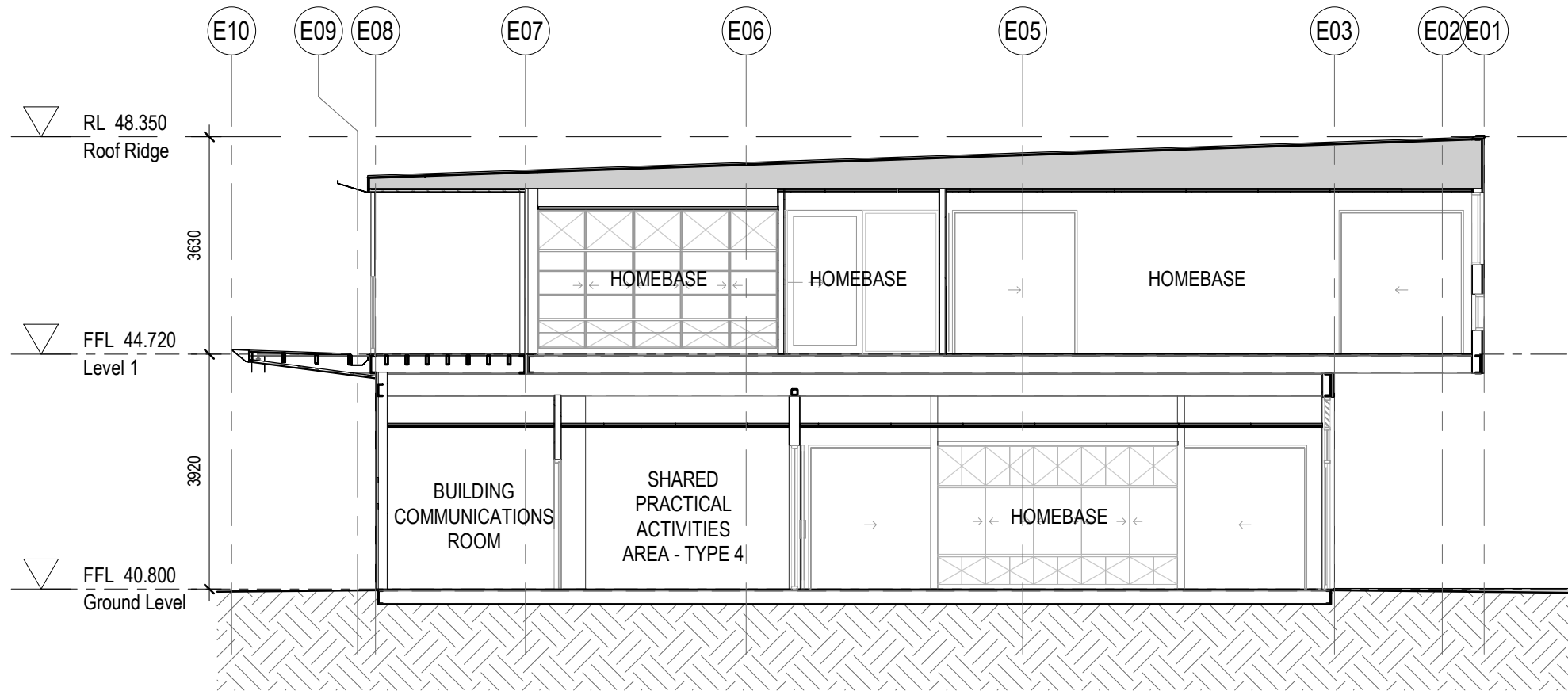
Drawing Title

SECTIONS - BLOCK A

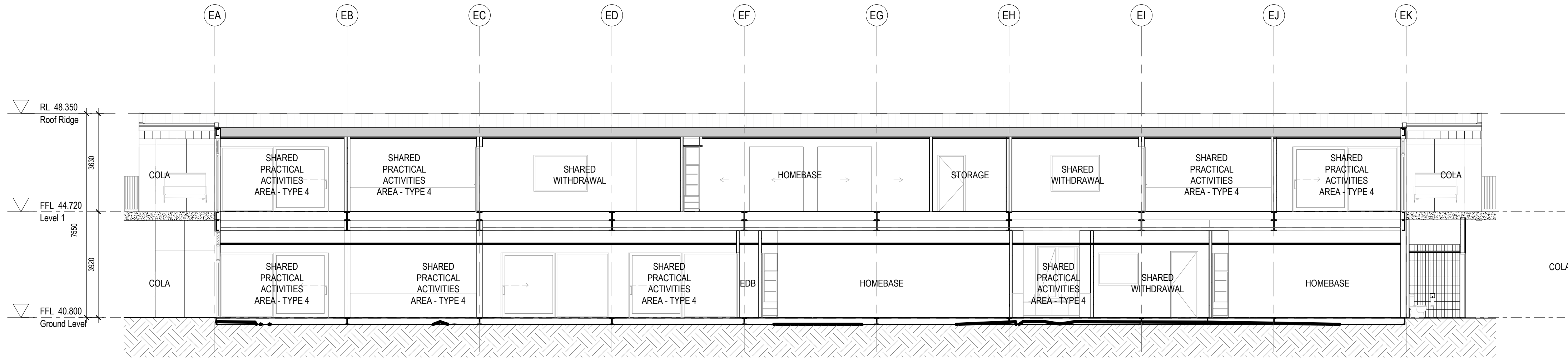
Scale @ A1		As indicated
Drawing Created (date)		10/05/19
Drawing Created (by)		FC
Plotted and checked by		HK
Verified		FC
Approved		MP
Project No	Drawing No	Issue

180646 JS-AR-3101 B

5/3/2019 3:43:53 PM



1 SECTION 01 - BLOCK B1
1:100

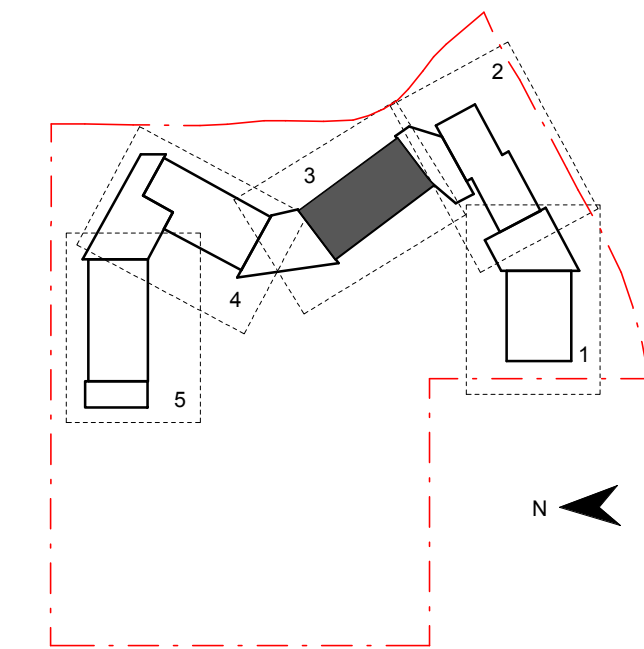


2 SECTION 02 - BLOCK B1
1:100

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



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Project Title
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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

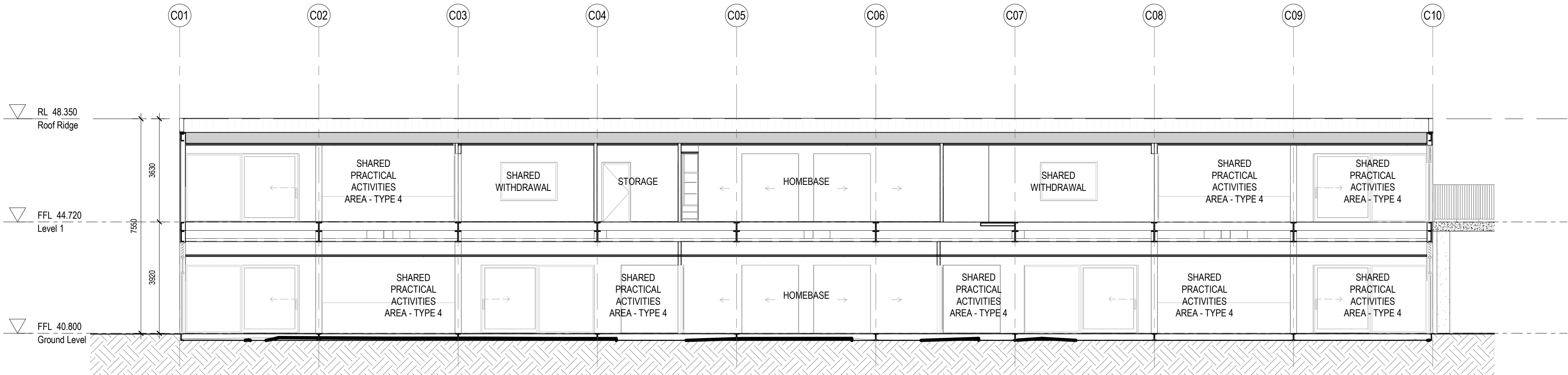
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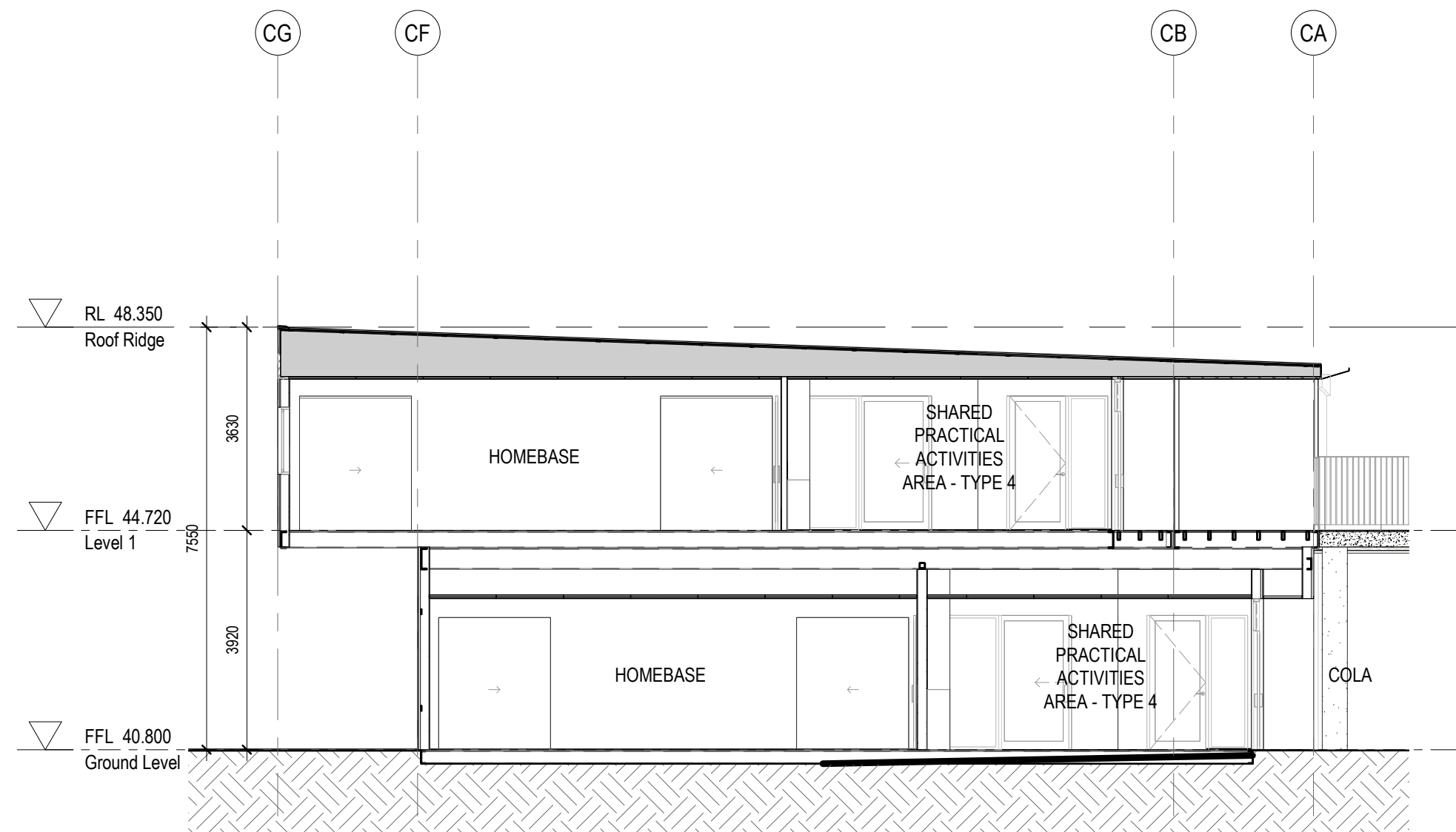
- Section Notes:**
1. Refer to technical schedule **COM-AR-9700** for boxed code descriptions
 2. All light switches to be at 1000mm above FFL and no less than 500 from internal corner
 3. All inground stormwater connections to terminate at concrete level
 4. Refer to **8100 Series** for window schedule and Common Project **COM-AR-9200 Series** for window types, sizes and sill heights
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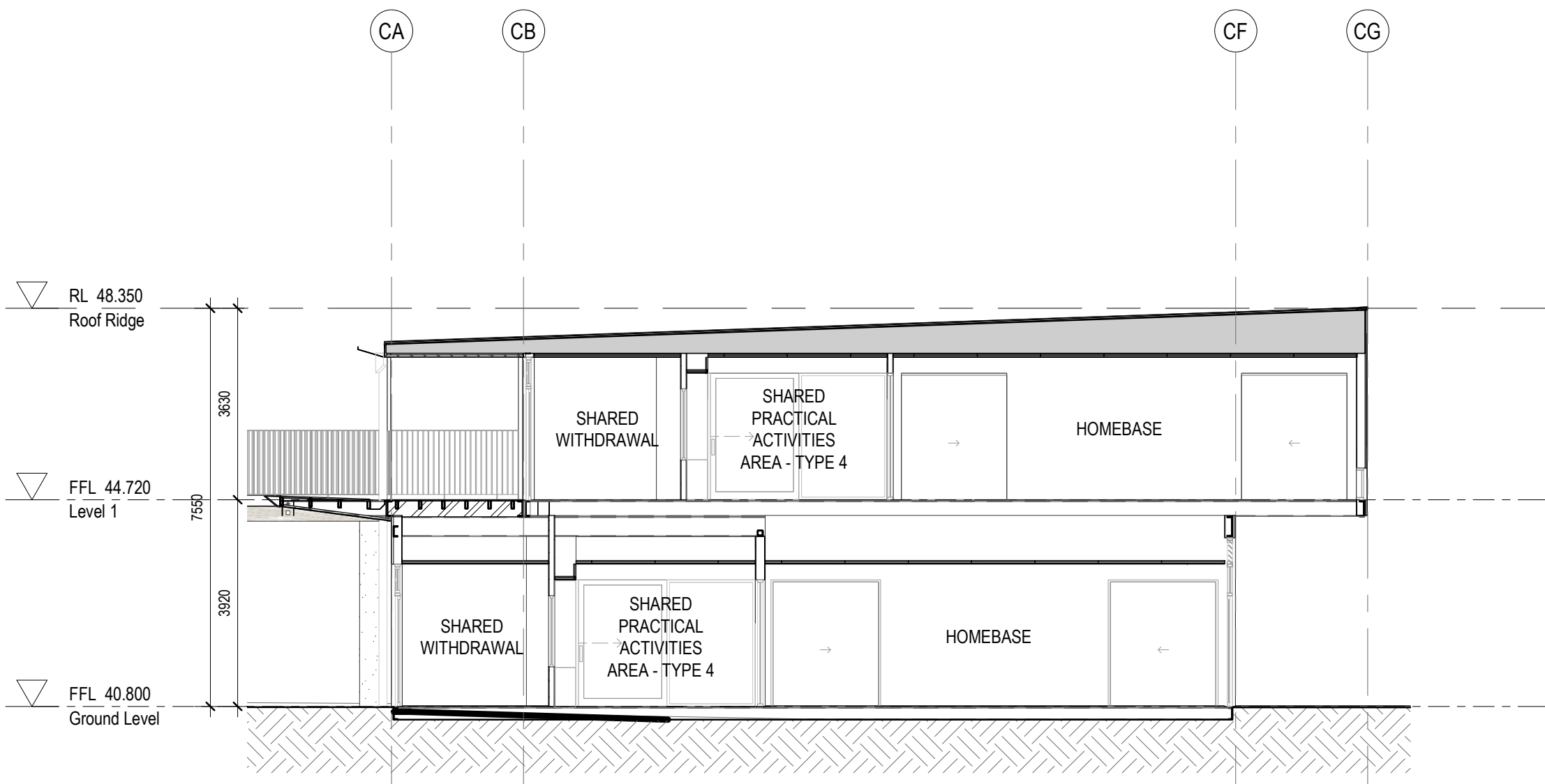
Amendments		
Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	SSD SUBMISSION	31.05.2019



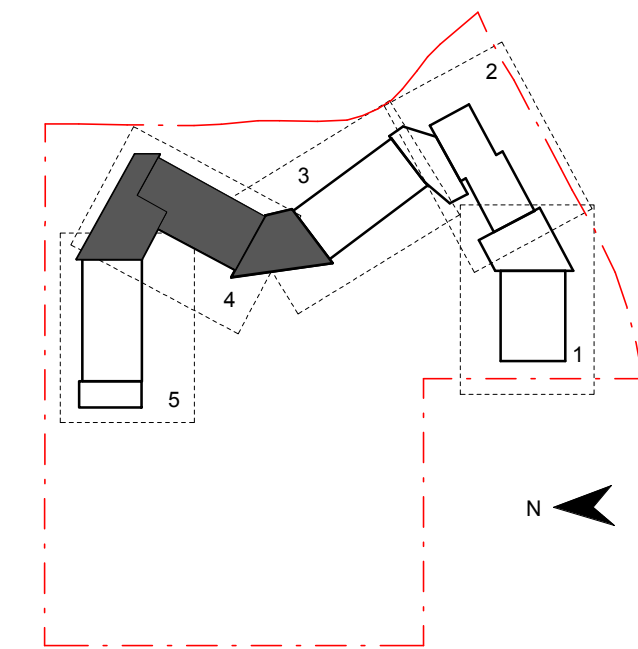
1 SECTION 01 - BLOCK B2
1:100



2 SECTION 02 - BLOCK B2
1:100



3 SECTION 03 - BLOCK B2
1:100



Contractor
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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

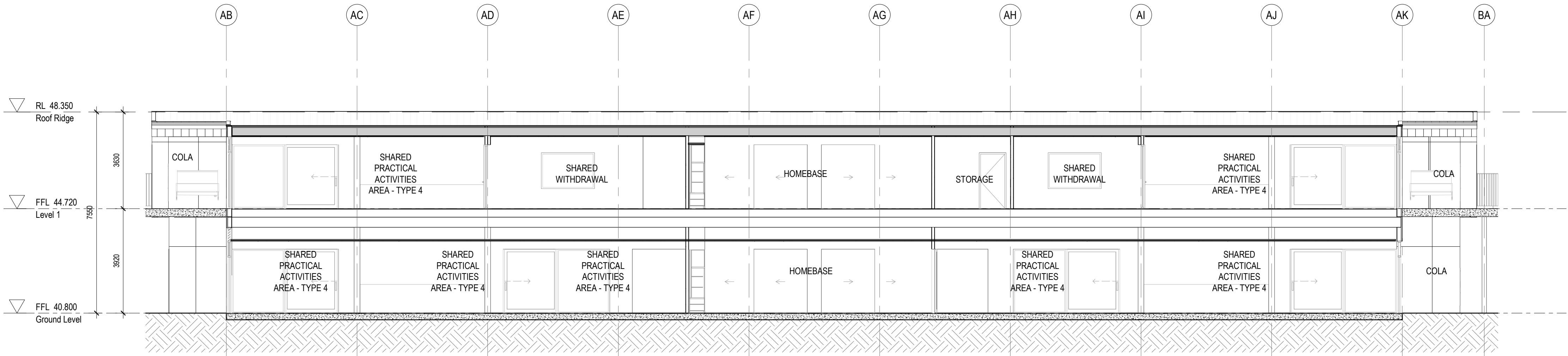
180646 JS-AR-3103 B

5/3/2019 3:44:07 PM

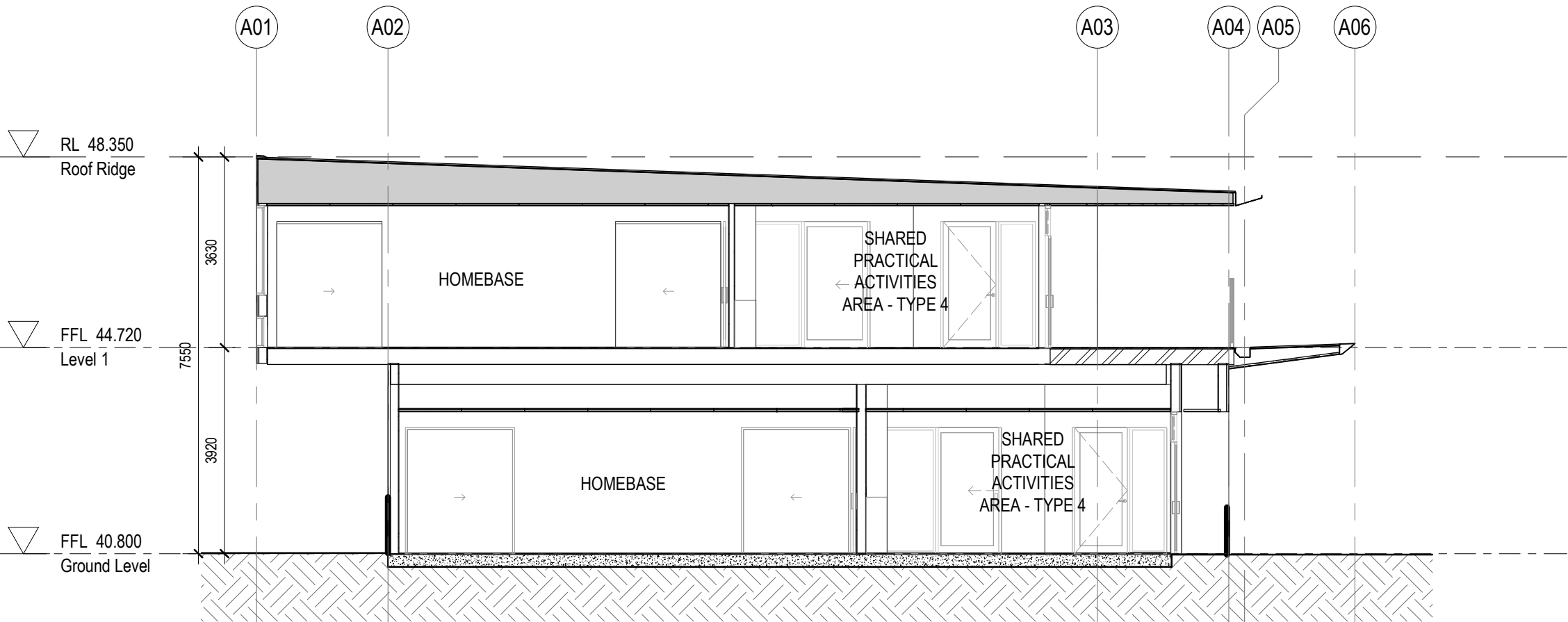
- Section Notes:**
1. Refer to technical schedule **COM-AR-9700** for boxed code descriptions
 2. All light switches to be at 1000mm above FFL and no less than 500 from internal corner
 3. All inground stormwater connections to terminate at concrete level
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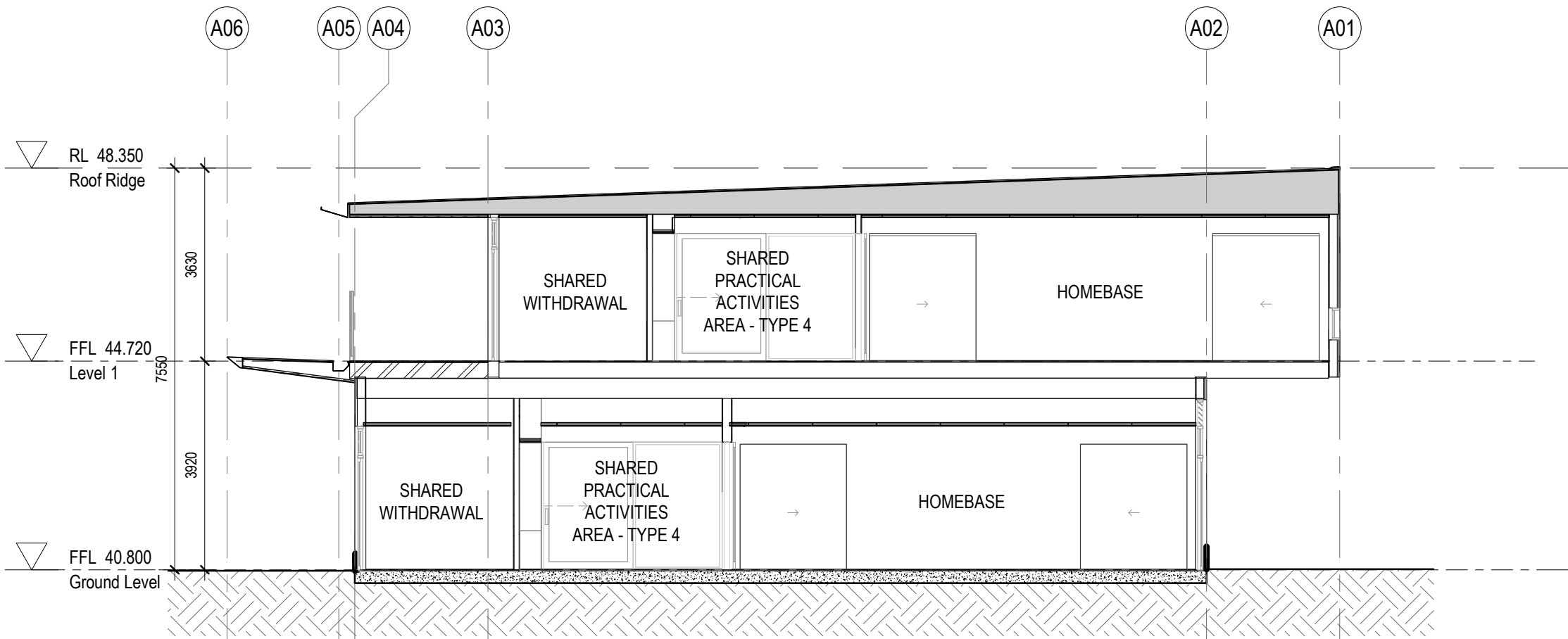
Amendments		
Issue	Description	Date
A	PROGRESS ISSUE	10.05.2019
B	SSD SUBMISSION	31.05.2019



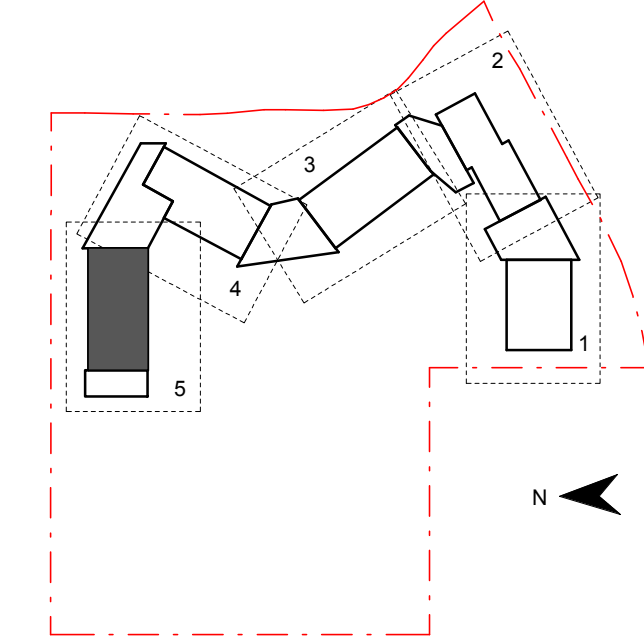
1 SECTION 01 - BLOCK B3
1: 100



2 SECTION 02 - BLOCK B3
1: 100



3 SECTION 03 - BLOCK B3
1: 100



Contractor
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nom architect M. Sheldon 5990

Project Title
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PUBLIC SCHOOL

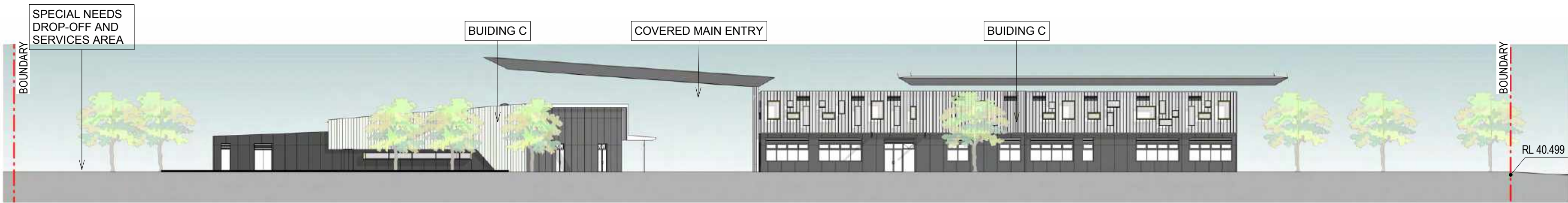
Drawing Title

SECTIONS - BLOCK B3

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-3104 B

5/3/2019 3:44:15 PM



1 AVENUE STREET SCAPE ELEVATION
1:300



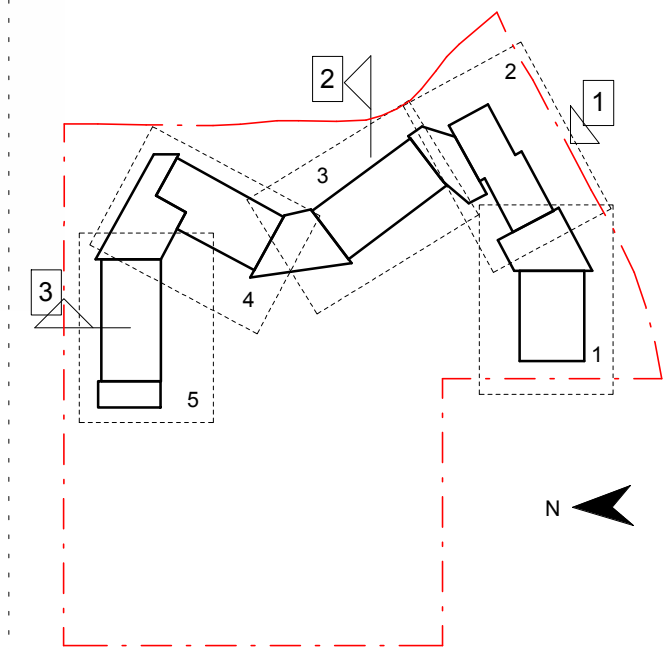
2 SITE SECTION EAST -WEST
1:300



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
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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

WESTERN SYDNEY AND WOLLONGONG SCHOOLS

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	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 01
DAC04.02	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 02
DAC04.03	SITEWORKS AND STORMWATER MANAGEMENT PLAN - SHEET 03
DAC04.21	STOMRWATER LONGITUDINAL SECTIONS - SHEET 01
DAC04.22	STOMRWATER LONGITUDINAL SECTIONS - SHEET 02
DAC04.23	STOMRWATER LONGITUDINAL SECTIONS - SHEET 03
DAC04.31	BIORETENTION BASIN DETAILS - SHEET 01
DAC09.01	DETAILS - SHEET 01

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

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT	NORTHROP		PROJECT	DRAWING TITLE	JOB NUMBER	
1	ISSUED FOR SSDA	VC		JG	25.01.19	RICHARD CROOKES CONSTRUCTIONS	GROUP USA		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	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	JORDAN SPRINGS PRIMARY SCHOOL 14-28 CULLEN AVENUE, JORDAN SPRINGS	CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION COVER SHEET, DRAWING SCHEDULE AND LOCALITY PLAN	182535 DRAWING NUMBER DAC01.01 REVISION 4 DRAWING SHEET SIZE = A1
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	SCALE 1:2000@A1 					

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STORMWATER DRAINAGE

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

RAINWATER RE-USE

1. PROVIDE RAINWATER RE-USE SYSTEM TO SUPPLY WATER FOR TOILET FLUSHING.
2. GUTTER GUARD IS TO BE INSTALLED ON ALL LEAVES GUTTERS.
3. A PERMANENT SIGN IS TO BE LOCATED IN THE VICINITY OF THE TANK STATING THE WATER IS "NON POTABLE WATER" WITH APPROPRIATE HAZARD IDENTIFICATION.
4. PIPEWORK USED FOR RAINWATER SERVICES SHALL BE COLOURED LILAC IN ACCORDANCE WITH AS1345.
5. ALL VALVES AND APERTURES SHALL BE CLEARLY AND PERMANENTLY LABELLED WITH SAFETY SIGNS TO COMPLY WITH AS1319.
6. RAINWATER TANK RETICULATION SYSTEM AND MAINS WATER BYPASS ARRANGEMENT TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 3500.12-2003 AND THE NSW CODE OF PRACTICE - PLUMBING AND DRAINING.
7. A FIRST FLUSH FILTRATION DEVICE IS TO BE PROVIDED AT RAINWATER TANK.

GENERAL NOTES

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.

ALL DIMENSIONS ARE IN MILLIMETRES & ALL LEVELS ARE IN METRES, UNO (UNLESS NOTED OTHERWISE).

NO DIMENSION SHALL BE OBTAINED BY SCALING THE DRAWINGS

ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF THE WORK.

DETAIL SURVEY DATA WAS SUPPLIED BY LTS LOCKLEY,
DRAWING DATED 16/05/2018.

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.

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.

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.

DESIGN SUMMARY

WATER QUALITY:

MUSIC MODEL SUMMARY:

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

TREATMENT NODES:

- 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%	516%

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

STANDARD DETAILS

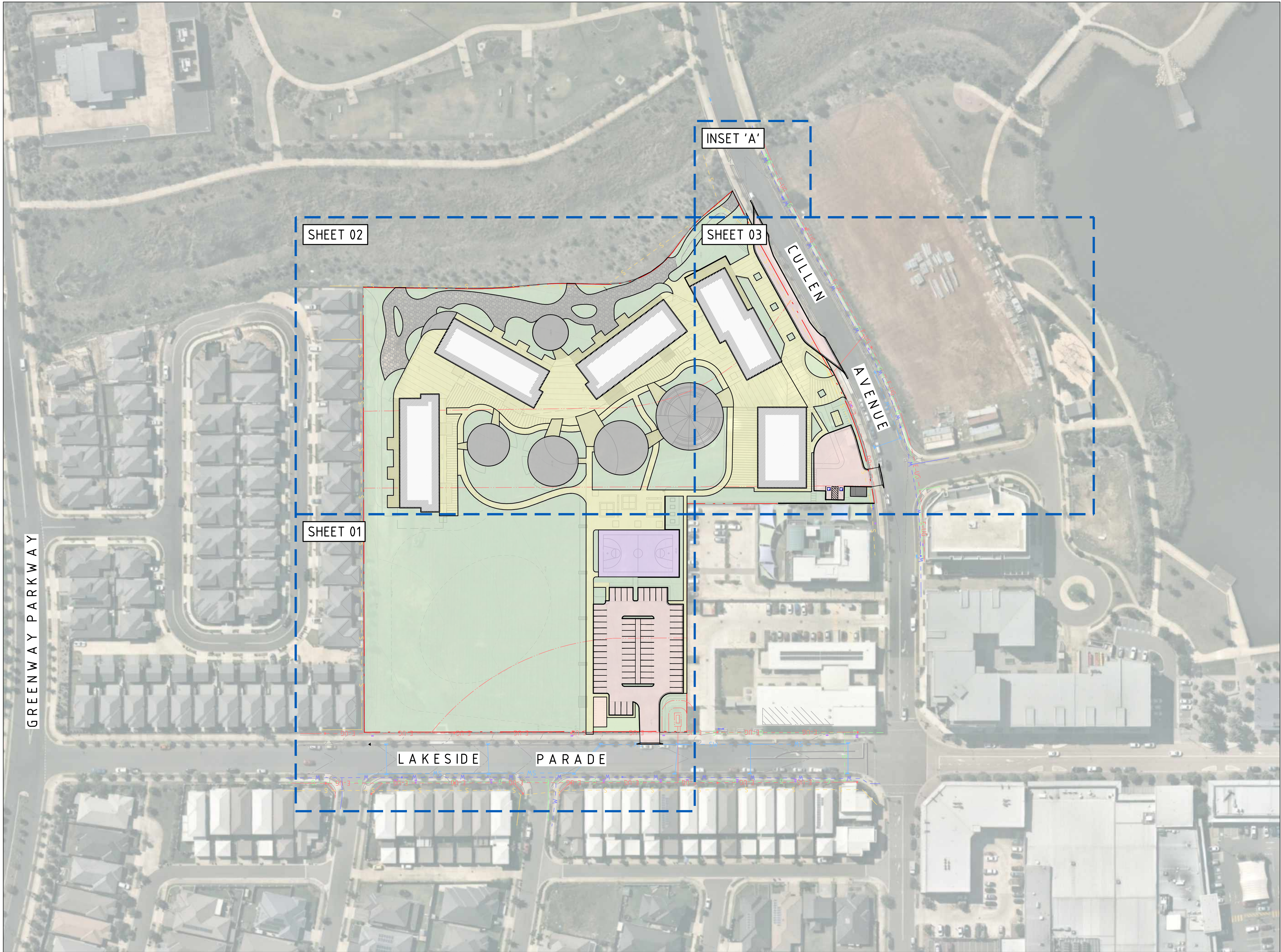
ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO NORTHPROP
ENGINEERS FOR CLARIFICATION

COUNCIL DETAILS - BLACKTOWN CITY COUNCIL

<u>COMPONENT</u>	<u>DWG REFERENCE</u>	<u>DRAWING TITLE</u>
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

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		PROJECT	DRAWING TITLE	JOB NUMBER	
1	ISSUED FOR SSDA	VC		JG	25.01.19			ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE COMMENCING WORK. NORTHTRUP 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	JORDAN SPRINGS PRIMARY SCHOOL 14-28 CULLEN AVENUE, JORDAN SPRINGS	CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION SPECIFICATION NOTES	182535 DRAWING NUMBER DAC01.11 REVISION 4 DRAWING SHEET SIZE = A1
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						

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.

3. NORTHROP TAKE NO RESPONSIBILITY FOR THE ACCURACY AND/OR USE OF THIS SURVEY AND ITS CONTENTS

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

RICHARD CROOKES
CONSTRUCTIONS

DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS
VERIFICATION SIGNATURE HAS BEEN ADDED

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

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

PROVIDE SEDIMENT FENCE TO
DOWNSTREAM BOUNDARY OF SITE.
REFER TO DETAIL.

INSTALL TEMPORARY SITE PERIMETER
SECURITY FENCE AND MAINTAIN.

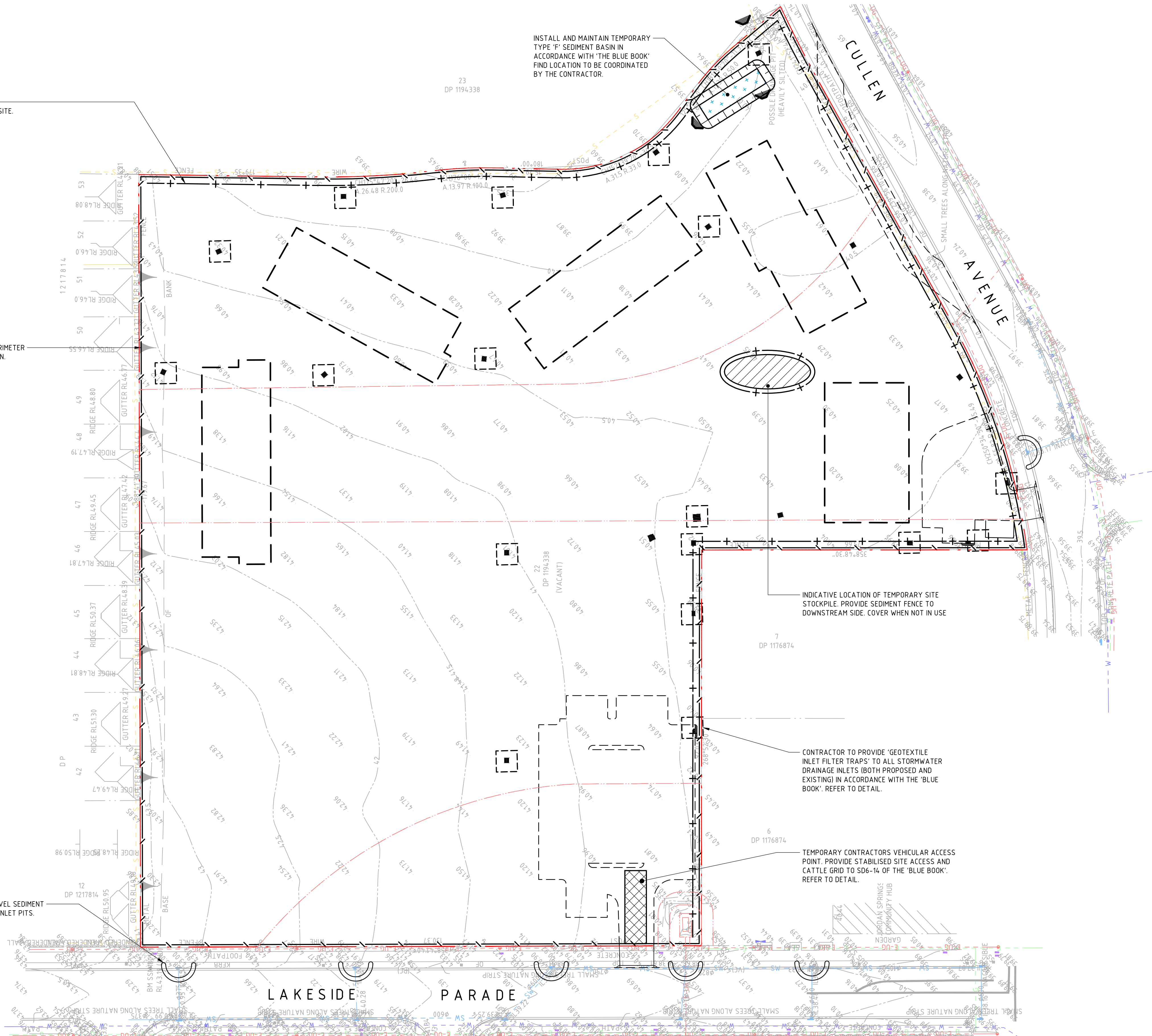
PROVIDE WIRE MESH AND GRAVEL SEDIMENT
FILTER TRAPS FOR ALL KERB INLET PITS.
REFER TO DETAIL.

INSTALL AND MAINTAIN TEMPORARY
TYPE 'F' SEDIMENT BASIN IN
ACCORDANCE WITH 'THE BLUE BOOK'
FIND LOCATION TO BE COORDINATED
BY THE CONTRACTOR.

INDICATIVE LOCATION OF TEMPORARY SITE
STOCKPILE. PROVIDE SEDIMENT FENCE TO
DOWNSTREAM SIDE. COVER WHEN NOT IN USE

CONTRACTOR TO PROVIDE 'GEOTEXTILE
INLET FILTER TRAPS' TO ALL STORMWATER
DRAINAGE INLETS (BOTH PROPOSED AND
EXISTING) IN ACCORDANCE WITH THE 'BLUE
BOOK'. REFER TO DETAIL.

TEMPORARY CONTRACTORS VEHICULAR ACCESS
POINT. PROVIDE STABILISED SITE ACCESS AND
CATTLE GRID TO SD6-14 OF THE 'BLUE BOOK'.
REFER TO DETAIL.



LEGEND

	BOUNDARY LINE
	EASEMENT LINE
	BUILDING FOOTPRINT
	DESIGN WORKS OUTLINE
	EXISTING CONTOURS
	SEDIMENT FENCE
	SECURITY FENCE
	WIRE MESH AND GRAVEL SEDIMENT FILTER
	SANDBAG SEDIMENT FILTER
	DROP INLET SEDIMENT TRAP
	STABILISED SITE ACCESS
	STOCKPILE
	SEDIMENT BASIN

GENERAL NOTES:

1. REFER SPECIFICATIONS NOTES FOR SEDIMENT AND SOIL EROSION CONTROL GENERAL REQUIREMENTS.
2. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
3. ALL SEDIMENT AND SOIL EROSION CONTROL MEASURES TO BE INSTALLED IN ACCORDANCE WITH THE 'BLUE BOOK'. CONTRACTOR TO ENSURE THESE MEASURES ARE IN PLACE AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION WORKS.
4. CONTRACTOR TO PROVIDE 'WIRE MESH AND GRAVEL SEDIMENT FILTER' TO ALL PAVED / ROAD AREAS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
5. CONTRACTOR TO PROVIDE 'GEOTEXTILE INLET FILTER TRAPS' TO ALL STORMWATER DRAINAGE INLETS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.

NOT FOR CONSTRUCTION

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
4	ISSUED FOR SSDA	VC		JG	31.05.19

RICHARD CROOKES CONSTRUCTIONS
DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

GROUP USA
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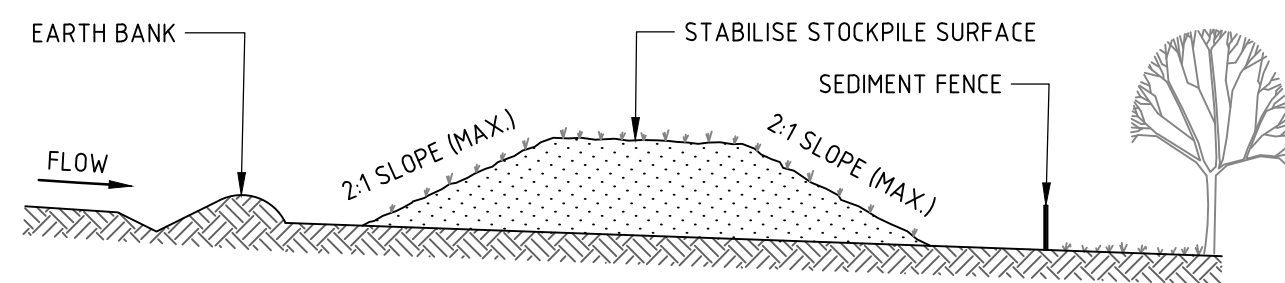
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SCALE 1:500@A1

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

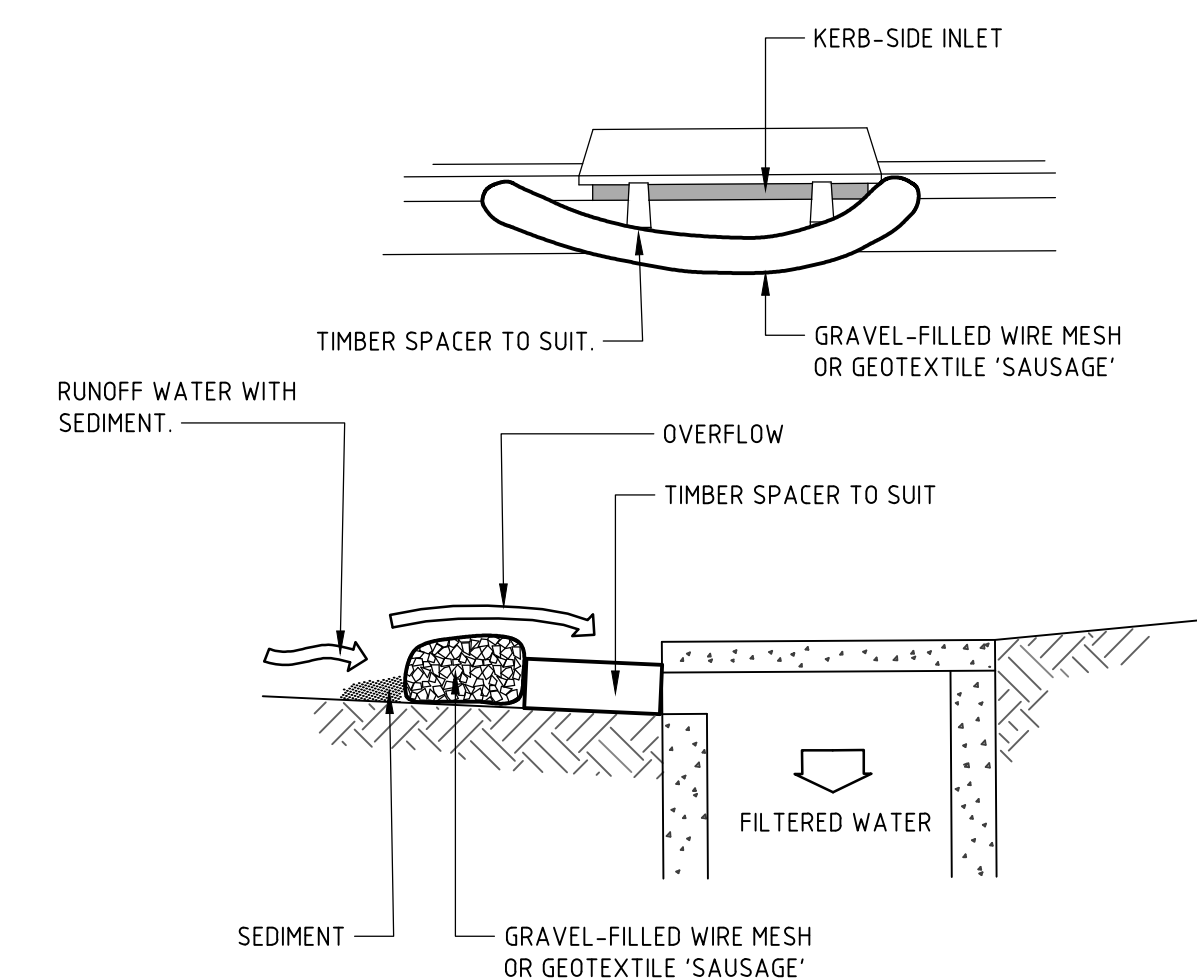
DRAWING TITLE
CIVIL ENGINEERING PACKAGE DEVELOPMENT APPLICATION
SEDIMENT AND SOIL EROSION CONTROL PLAN

JOB NUMBER
182535
DRAWING NUMBER
DAC02.01
REVISION
4
DRAWING SHEET SIZE = A1



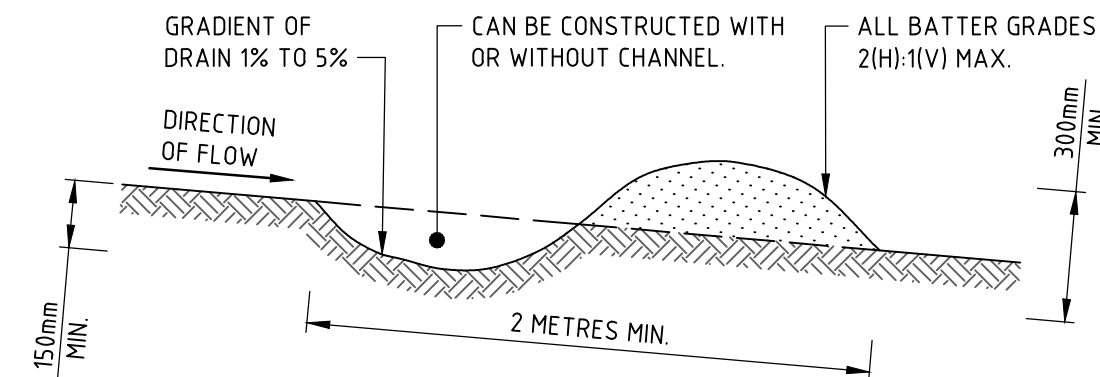
- ### CONSTRUCTION NOTES

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 5-9) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.



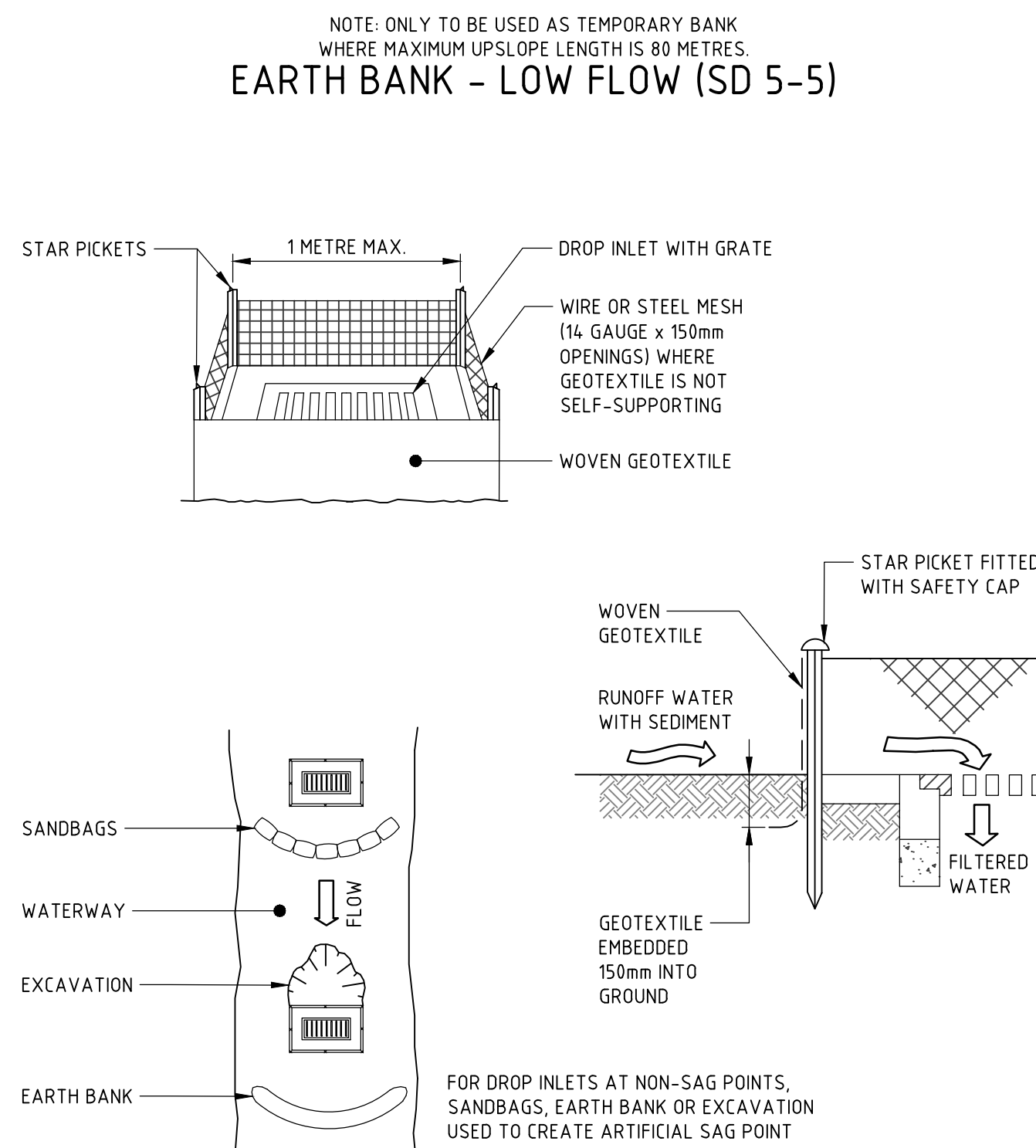
- ### CONSTRUCTION NOTES

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.
5. MAINTAIN THE OPENING WITH SPACER BLOCKS.
6. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
7. 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.



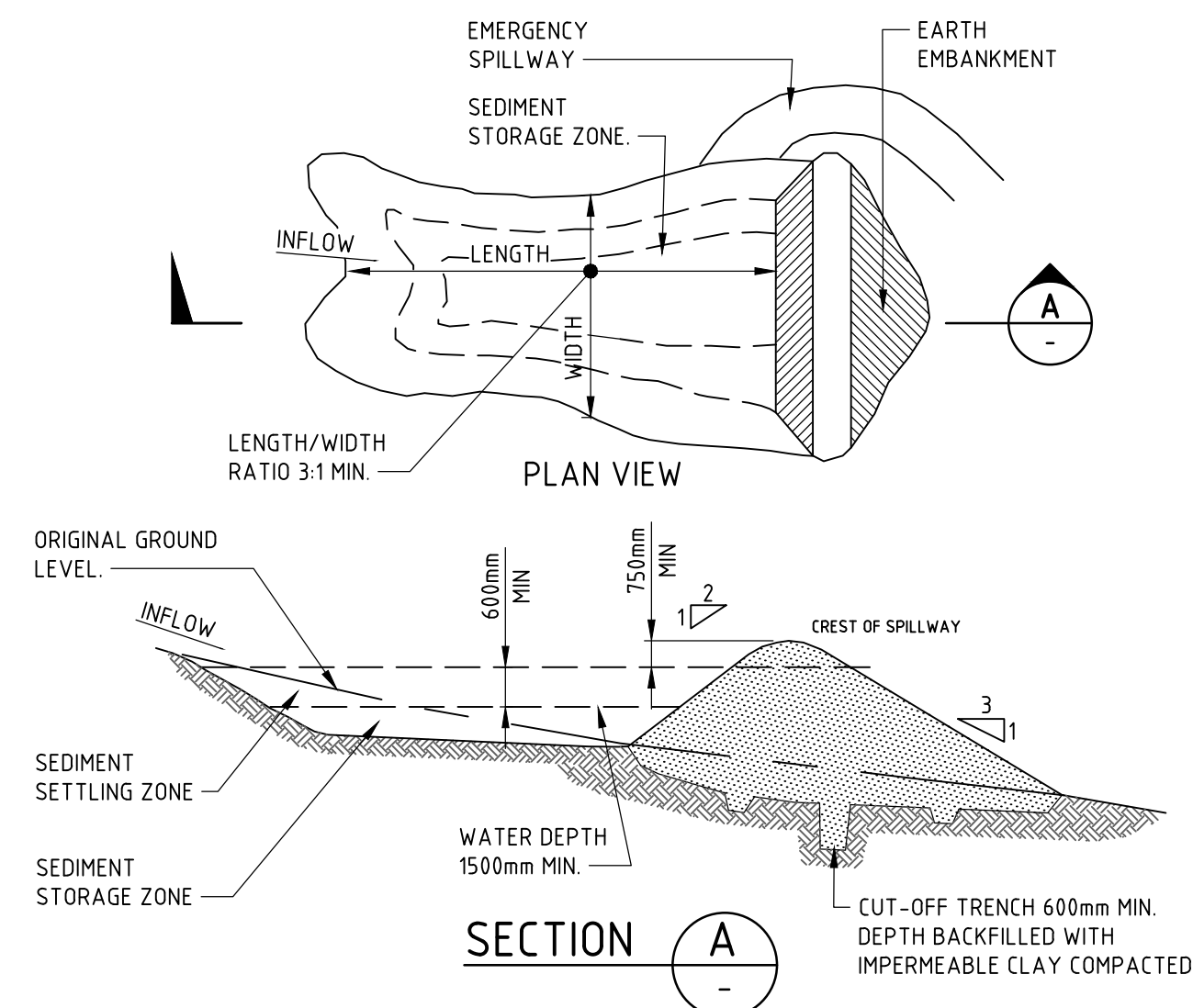
- ### CONSTRUCTION NOTES

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.



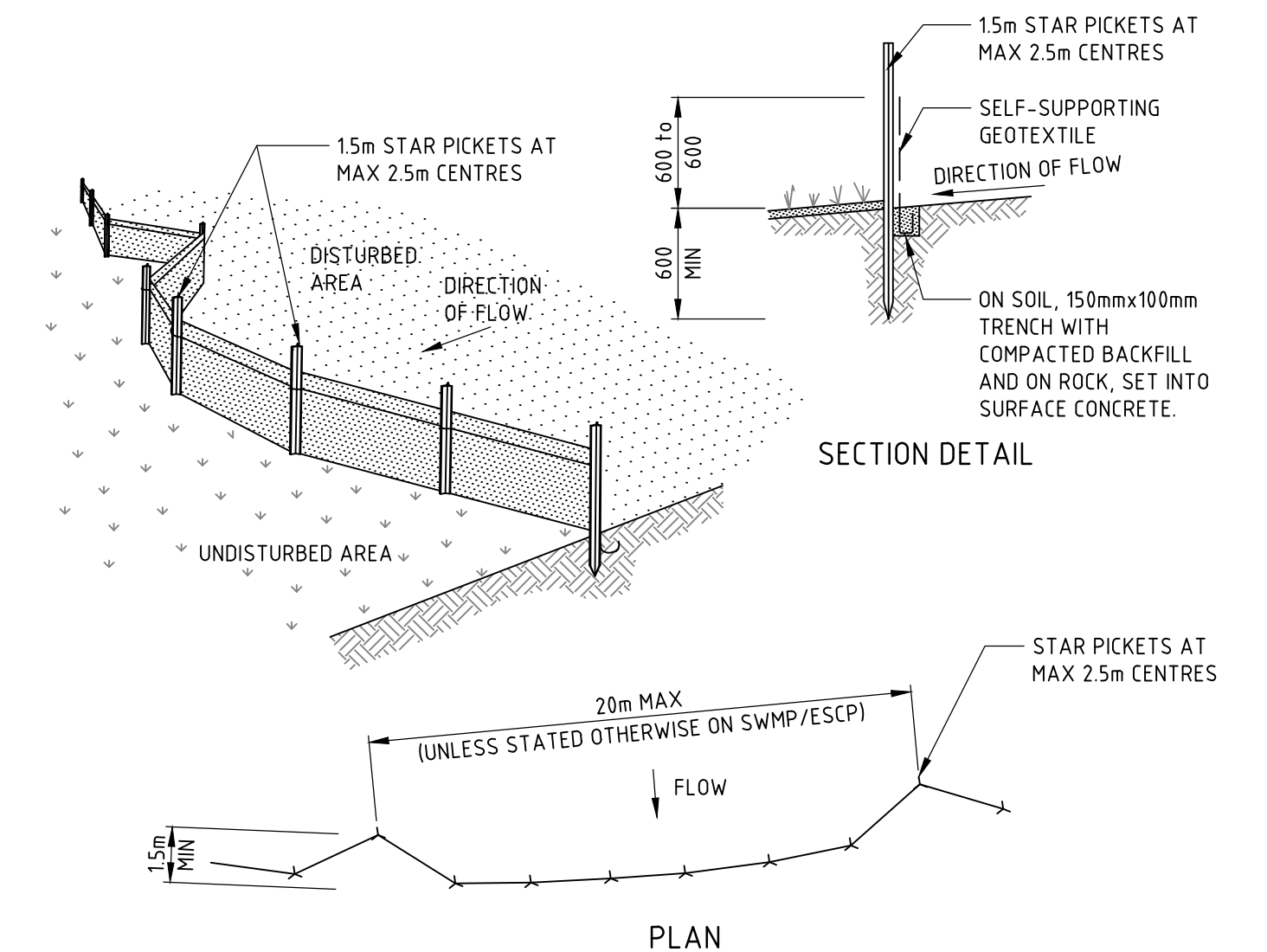
- ### CONSTRUCTION NOTES

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.



- ### CONSTRUCTION NOTES

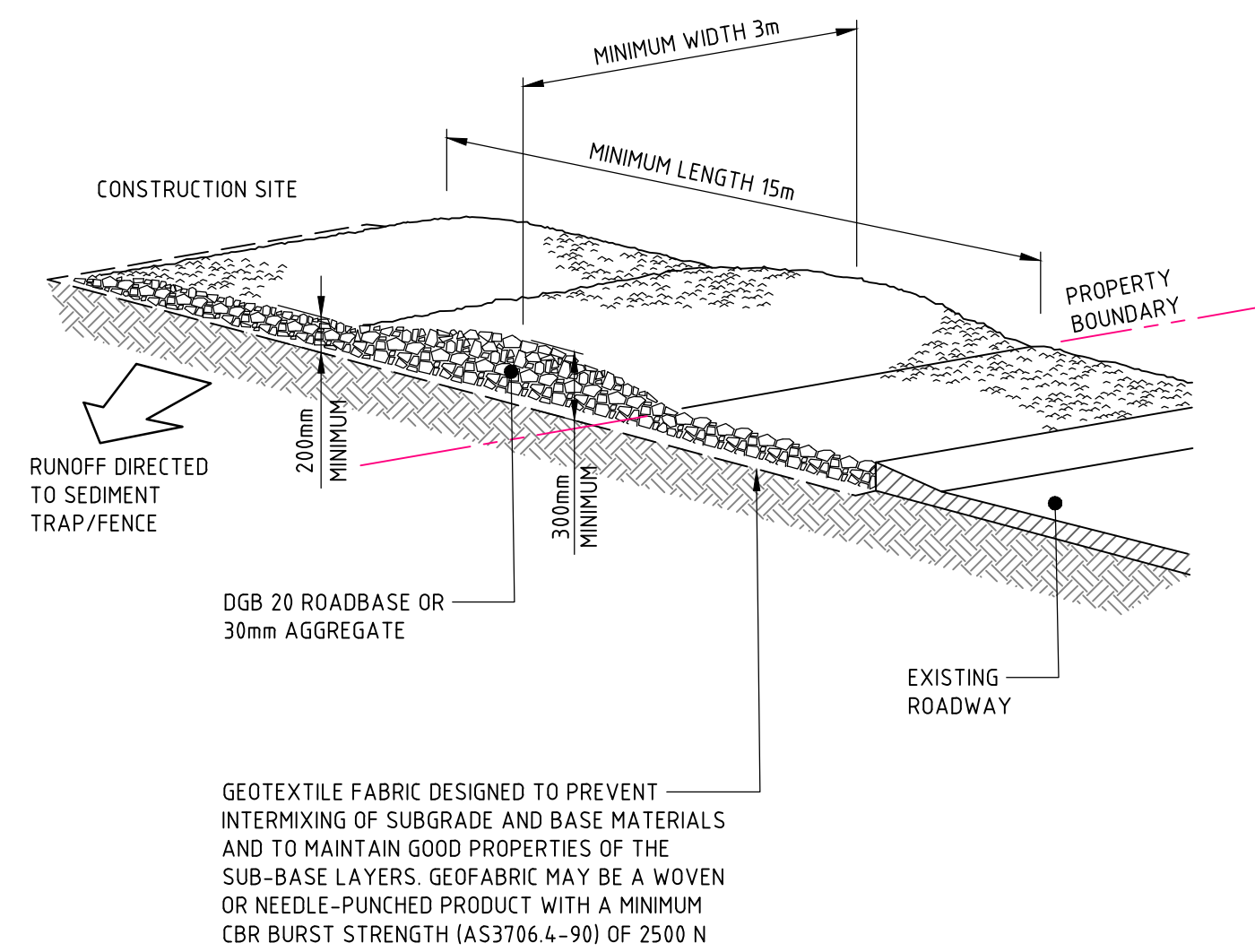
1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
2. CONSTRUCT A CUT-OF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT 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.



- ### 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.

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



- ### CONSTRUCTION NOTES

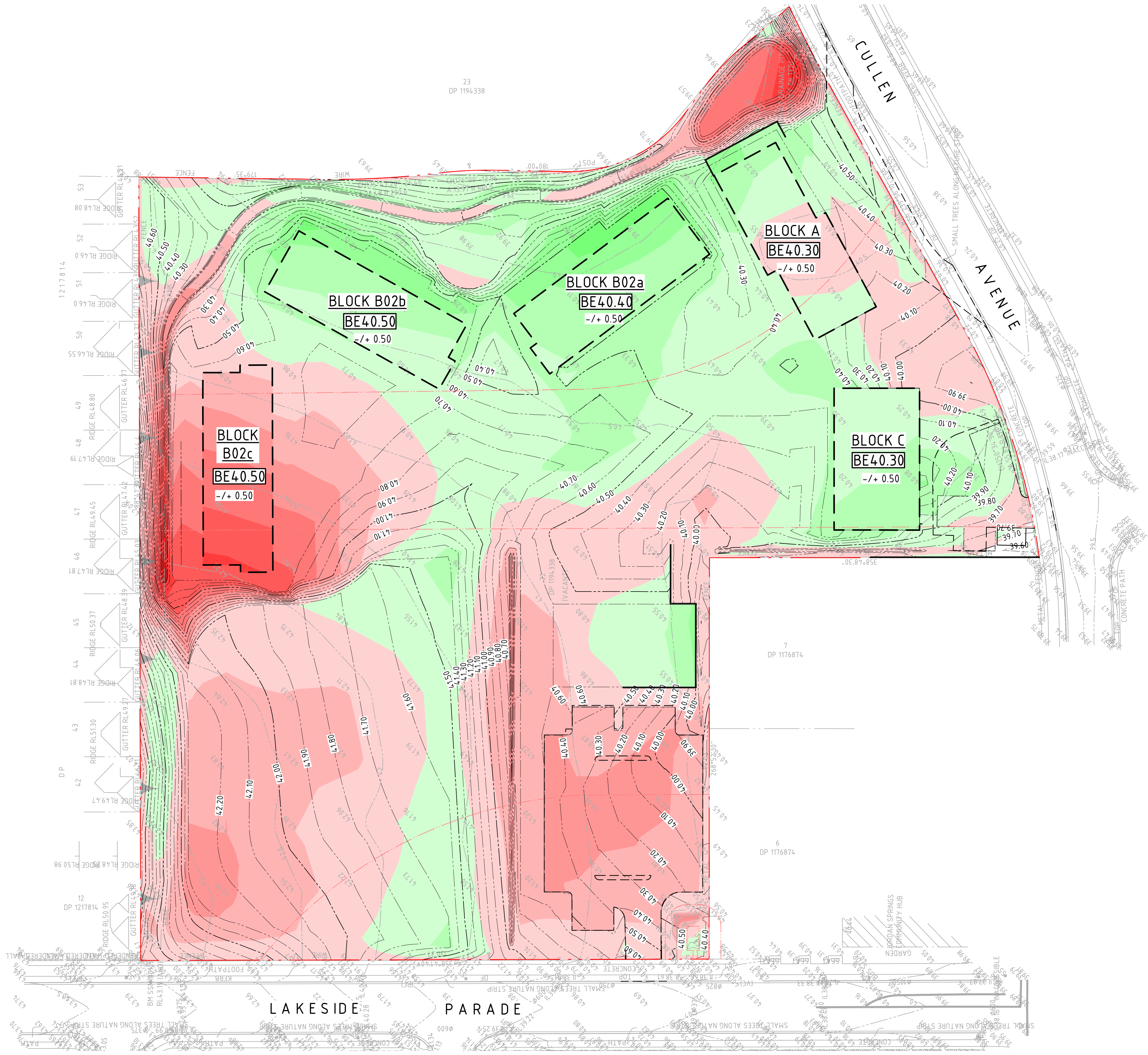
1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
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)

NOT FOR CONSTRUCTION

REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT	ARCHITECT		PROJECT	DRAWING TITLE	JOB NUMBER
1	ISSUED FOR SSDA	JRG		JG	25.01.19			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 & 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	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.	NOT TO SCALE	14-28 CULLEN AVENUE, JORDAN SPRINGS	SEDIMENT AND SOIL EROSION CONTROL DETAILS	DRAWING NUMBER DAC02.11 REVISION 4 DRAWING SHEET SIZE = A1

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

- 999m TO - 2.0m

- 2.0m TO - 1.5m

- 1.5m TO - 1.25m

- 1.25m TO - 1.0m

- 1.0m TO - 0.75m

- 0.75m TO - 0.5m

- 0.5m TO - 0.25m

- 0.25m TO - 0.0m

DEPTH OF FILL

0.0m TO 0.25m

0.25m TO 0.5m

0.5m TO 0.75m

0.75m TO 1.0m

1.0m TO 1.25m

1.25m TO 1.5m

1.5m TO 2.0m

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:
 - ASPHALT PAVEMENT 200mm
 - CONCRETE PAVEMENT 200mm
 - BUILDING SLAB 400mm (REFER STRUCTURAL DWGS)
 - FOOTPATH PAVEMENT 200mm
 - LANDSCAPE AREA 200mm
 - APPROXIMATE BULK EARTHWORK VALUES AS FOLLOWS;
 - CUT 5,148 cu.m
 - FILL 2,905 cu.m
 - BALANCE 2,243 cu.m CUT
 - NOTE: SITE STRIPPING VOLUMES HAVE NOT BEEN INCLUDED IN ABOVE CALCULATIONS.

NOT FOR CONSTRUCTION

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

RICHARD CROOKES

CONSTRUCTIONS

DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS
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SCALE 1:500@A1

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5

10

15

20

25m

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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

BULK EARTHWORKS CUT
AND FILL PLAN

JOB NUMBER

182535

DRAWING NUMBER

DAC03.01

REVISION

4

DRAWING SHEET SIZE = A1