



SSD Application

NEWCASTLE GRAMMAR SCHOOL STAGE 01

REVISION F

SITE

Parkway Avenue, Cooks Hill NSW

CLIENT

Newcastle Grammar School

DATE

15.10.21

PROJECT NO.

4293



SHAC

Executive Summary

Newcastle Grammar School - Park Campus Stage 1 is the next planned stage in the overall 2018 Masterplan. The Newcastle Grammar School Masterplan is a comprehensive guide to the future development of the current Newcastle Grammar School Park Campus. The masterplan includes the school subject sites as well as a precinct study of the surrounding context such as National Park and Cooks Hill.

The concept design has been developed to ascertain the proposed extent of works for Stage 1 of the Park Campus development, intending to cater to modern teaching spaces & new administration & staff facilities.

Summary of Works - Stage 01

- Site Preparation, Demolition & Excavation:**
- Demolition of 3 existing buildings
 - Tree removal
 - Excavation works to facilitate new works
 - Installation of civil, hydraulic & electrical services

- Existing Buildings:**
- Refurbishment of existing Block B to provide administration and staff spaces
 - Retention of Block A

- New Buildings:**
- Stage 01: Learning spaces

- Landscaping:**
- Construction of new playspace
 - Screening vegetation where appropriate

Project Acknowledgements

Client Team:		
Erica Thomas	Head of School	Newcastle Grammar School
Alan Parsons	Deputy Head of School	Newcastle Grammar School
David Frazer	Business Manager	Newcastle Grammar School
Alicha Dyer	Head of Primary	Newcastle Grammar School
Amy Falconer	Head of Teaching & Learning	Newcastle Grammar School
SHAC Architectural Team:		
Justin Hamilton	Managing Director	
Elizabeth Brown	Director	
Janai Lemar	Graduate of Architecture	
Jenny Whittal	Graduate of Architecture	
Consultant Team:		
Project Management	APP Corporation	Brendan Fisher,Simone O'Connor
Landscape Architect	Gallagher Studio	Libby Gallagher, Scott Van Den Boogaard
BCA	NewCert	Antony Ridgway
Town Planners	SLR	Peter Chrystal, Melissa Thomas
Acoustic Engineer	SLR	Shannon Harvey, Martin Davenport
Cultural/Heritage	Heritage Now	Tessa Boer-Mah
Community Consultation	Mara Consulting	Kelly Lofberg
Access	Lindsay Perry	Lindsay Perry
Surveyor	Delf Lascelles	
Traffic Engineer	Intersect Traffic	Jeff Garry
Fire Engineer	Affinity Fire	Shane Edmonds
Quantity Surveyor	Muller	Grant Muller, Lachlan Hanlon
Hazard Materials Consultant	Practical Enviornmental Solutions	Anthony Milligan
Arborist	Abacus	Bradley Magus
Geotechnical/Environmental	Tetra Tech Coffey	Simon Baker, Paul Wright, Sean Blackford
Structural & Civil Engineer	Lindsay & Dynan	Peter Forder, Nick Lane
Services Engineer	Marline	Daniel White, Brendan Maher, Lee Reid, Jim Allen, Mehran Haratian



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"This piece is part of my Formation series. A series inspired by the formation of the land. It depicts layers of sand, stone, rock and coal. Each layer of the earth telling its own story, witnessing its own past present and future. The dotted lines pay tribute to my great, great grandfather, a proud Wiradjuri man who worked as a tracker. The lines represent his tracks and those of the generations before us on the same land. This style of painting is featured throughout most of my work connecting my art to my family and people."

Lauren Freestone; a contemporary Indigenous artist based in Newcastle.

Acknowledgement of Country

SHAC acknowledges the Traditional Custodians of the land, the Awabakal & Worimi people, upon which this document was created, as well as the land where this document now rests in your hands. We pay respect to Elders past, present and emerging, and we honour Australian Aboriginal and Torres Strait Islander peoples' unique cultural and spiritual relationships to place, and their rich contribution to our society. **To that end, all our work seeks to uphold the idea that if we care for Country, it will care for us.**



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No.	Drawing	Rev
2.01	Site Plan - Demolition	D
2.02	Site Plan - Proposed	N
2.11	Block B Ground Floor Plan	N
2.12	Block B First Floor Plan	M
2.13	Block B Elevations - South & East	G
2.14	Block B Elevations - North & West	G
2.15	Block B Sections 01	F
2.16	Block B Sections 02	E
2.21	Ground Floor Plan	P
2.22	First Floor Plan	P
2.23	Second Floor Plan	P
2.24	Rooftop Play	O
2.25	Roof Plan	E
2.26	Elevations -Site	D
2.27	Elevations - West	J
2.28	Elevations - North & South	H
2.29	Elevations - East	K
2.30	Sections 01	H
2.31	Sections 02	H
2.32	Signage	D
2.33	Perspective - Streetview	H
2.34	Perspective - Playground	H
2.35	Perspective - Campfire	G
2.36	Perspective - Campfire	G
2.37	Perspective - Makerspace	G
2.38	Perspective - Makerspace	G
2.39	Perspective - First Floor Campfire	G

Quality Assurance

Summary of Revisions

No	Drn	Chk	Date	Content
B	JL	JH / EB	27.09.21	SDRP Draft
C	JL	JH / EB	07.10.21	SSD Coordination
D	JL	JH / EB	12.10.21	SSD
E	JL	JH / EB	14.10.21	SSD
F	JL	JH / EB	15.10.21	SSD

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Checked By: JH / EB
Author: JL

"SHAC"
Nominated Architect Justin Hamilton (6160)

Ref: 4293.520.08 NGS Park Campus Stage 1

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Stage 01 Site



SSD APPLICATION

1. Dimensions are in millimeters unless otherwise shown.
2. Work to given dimensions. Do not scale from drawing.
3. Check all dimensions on site prior to construction and fabrication.
4. Bring any discrepancies to the attention of the proprietor & architect.

LEGEND

- EXISTING PERMANENT BUILDINGS
- EXISTING BUILDINGS TO BE DEMOLISHED
- PALISADE FENCE
- SANDSTONE WALL 1800mm HIGH - HONED FINISH LIGHTING & MAIN SIGNAGE
- SANDSTONE WALL 2400mm HIGH - HONED FINISH
- REFURBISHMENT OF EXISTING BUILDING
- ROAD
- NO STANDING DURING PICK UP/DROP OFF, VISITOR PARKING DURING SCHOOL HOURS
- BUS ZONE
- EXISTING SITE TREES
- EXISTING SITE TREES TO BE REMOVED
- PROPOSED SITE TREES
- ADMINISTRATION / VISITOR ENTRY POINT
- SCHOOL ENTRY POINTS



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2.01

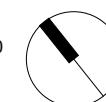
RevD 15.10.21

Site Plan - Demolition

Newcastle Grammar School - Park Campus Stage 1

Parkway Avenue, Cooks Hill NSW

0m 5 10 15 20 25 1:500 @A3



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Nominated Architect Justin Hamilton (6160) | ABN 32 131 584 846

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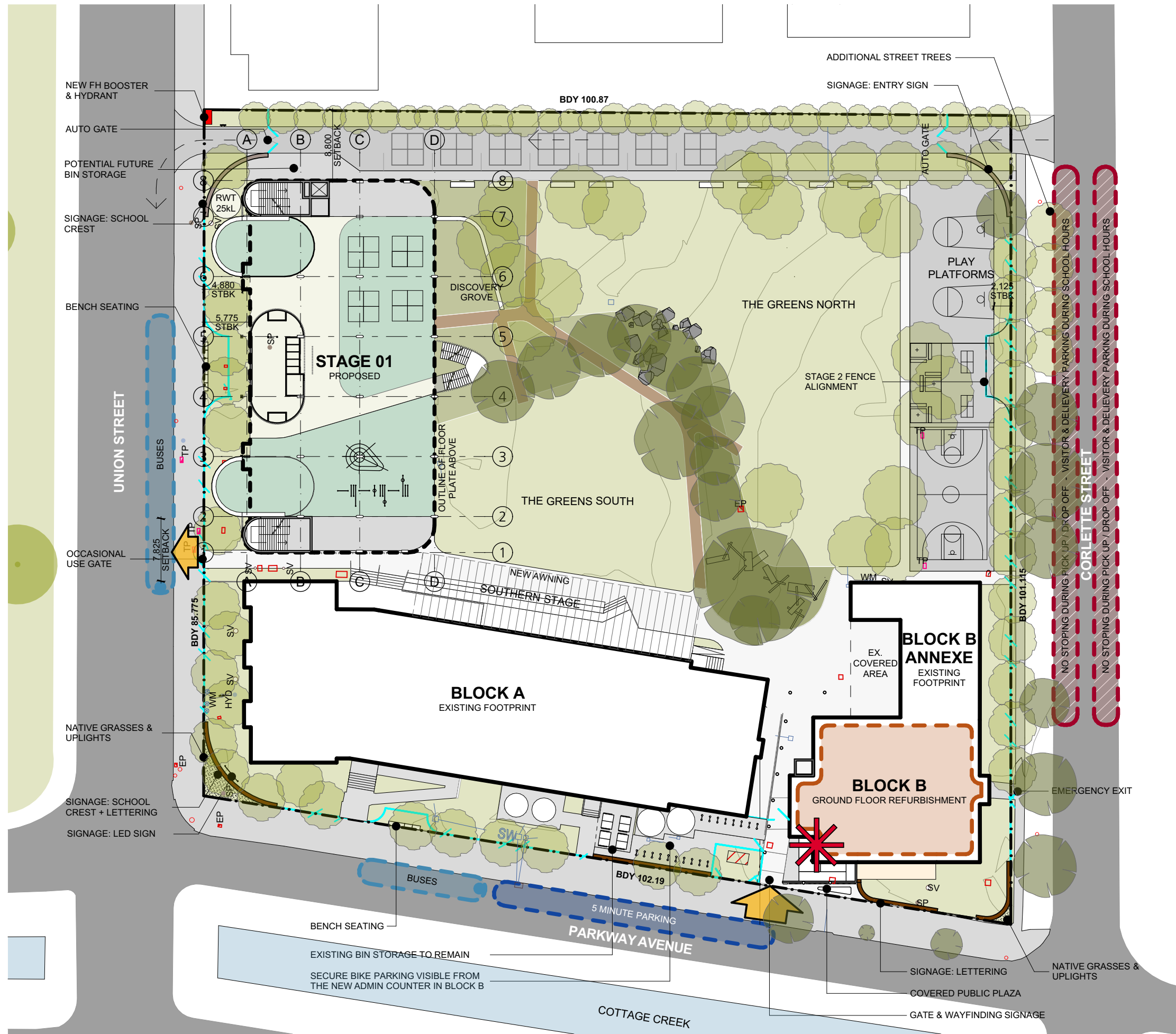
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GROSS FLOOR AREA

FUNCTION	AREA
COVERED DECK	496
COVERED PLAY	1,812
INTERNAL	1,978
	4,286 m²

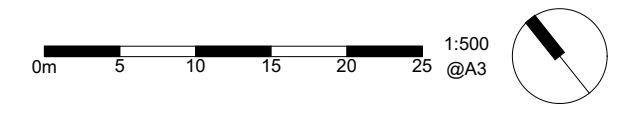


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2.02

RevN 15.10.21

Site Plan - Proposed

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW



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Stage 01
Block B
Refurbishment



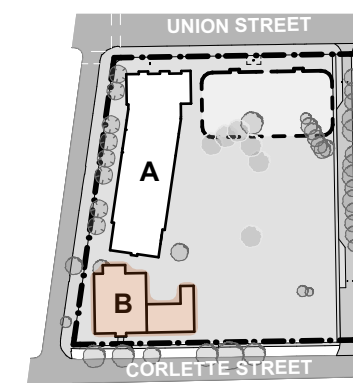
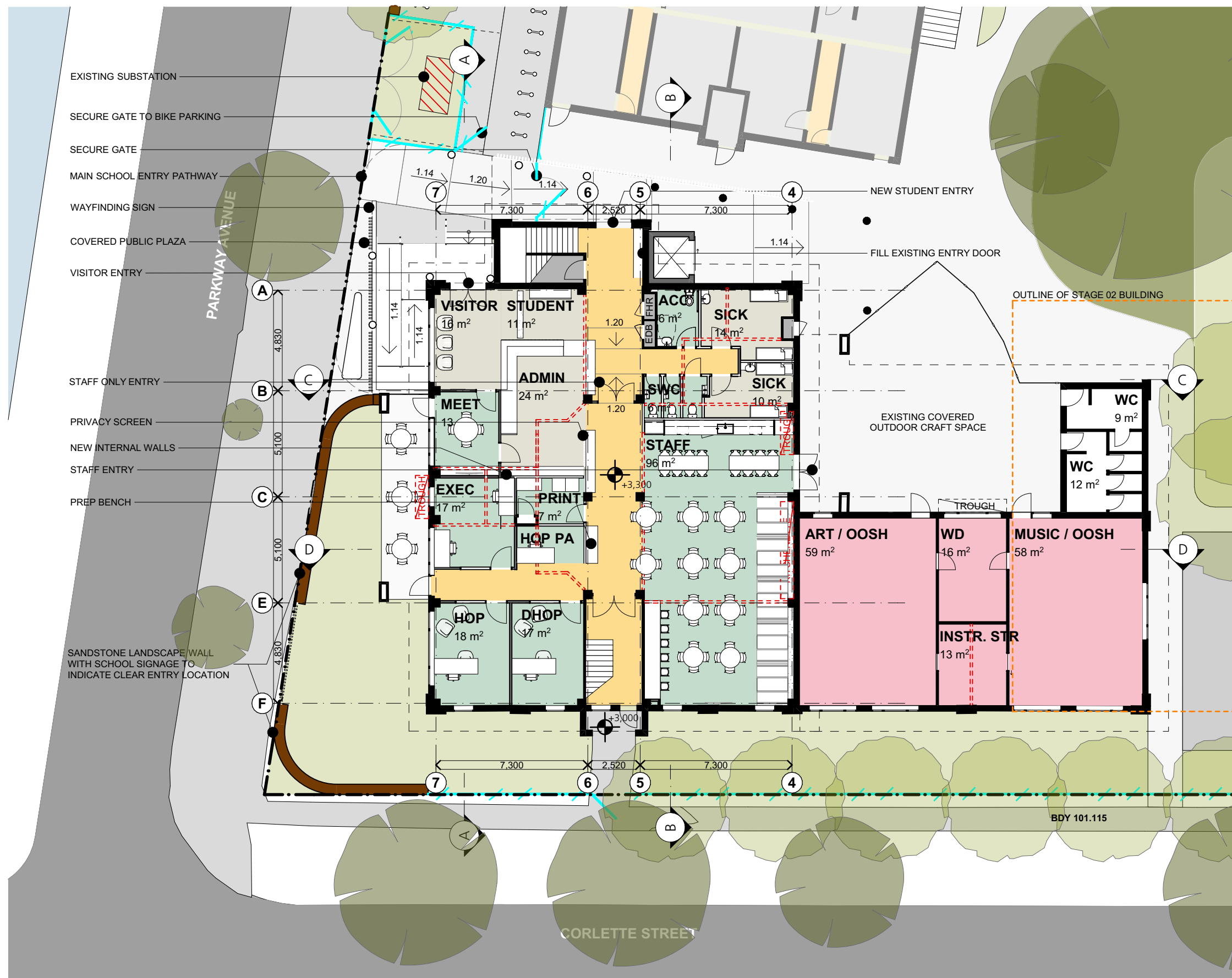
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Block B Ground Floor Plan

Newcastle Grammar School - Park Campus Stage 1

Parkway Avenue, Cooks Hill NSW

0m 2 4 6 8 10

1:200
@A3



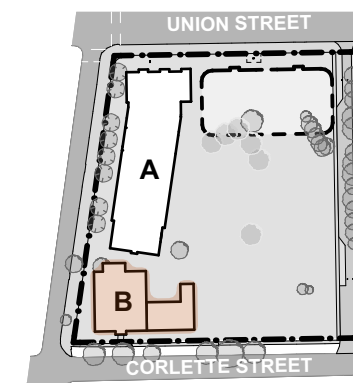
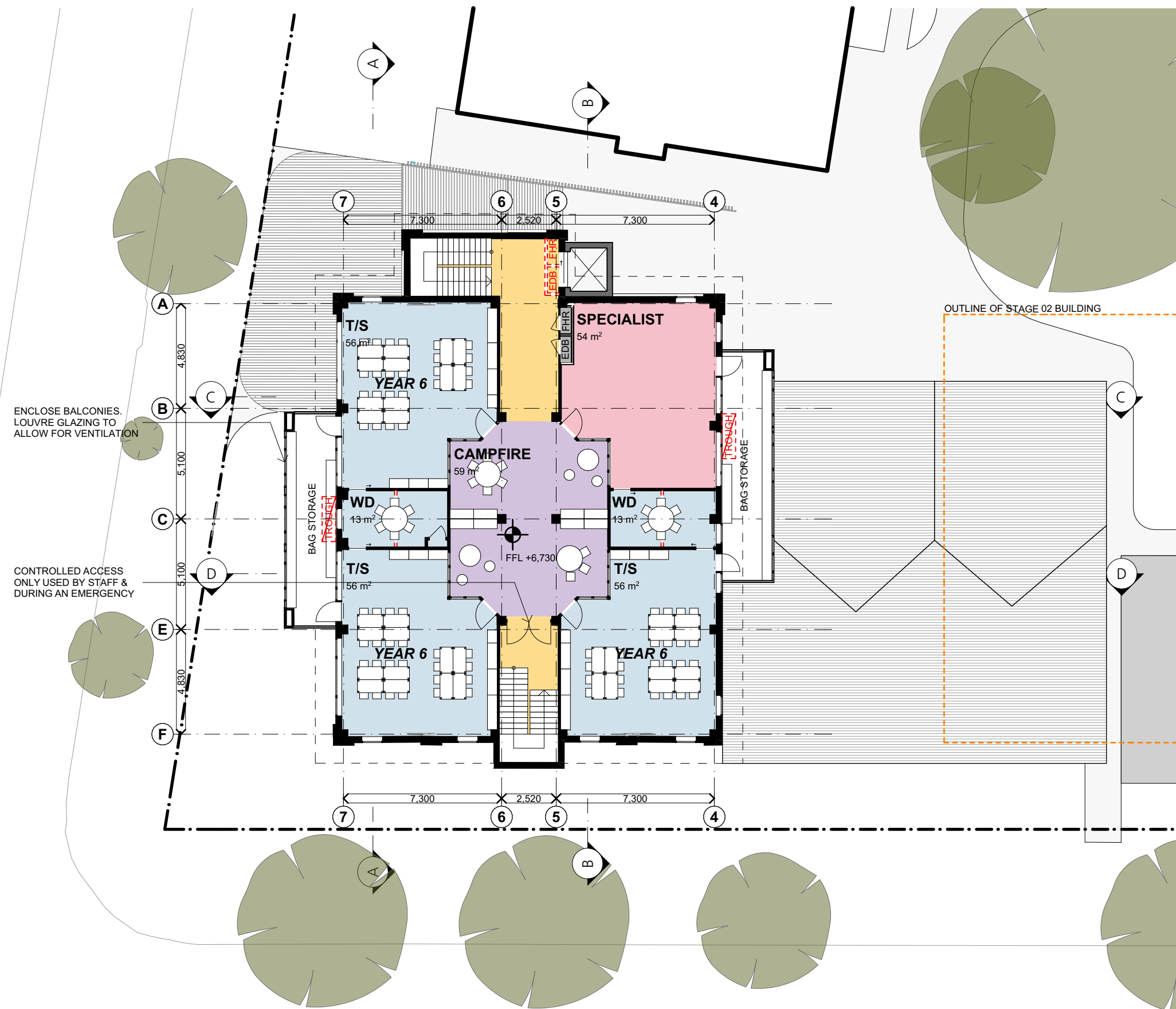
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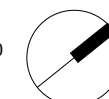
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2.12

RevM 15.10.21

Block B First Floor Plan

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

0m 2 4 6 8 10 1:200 @A3



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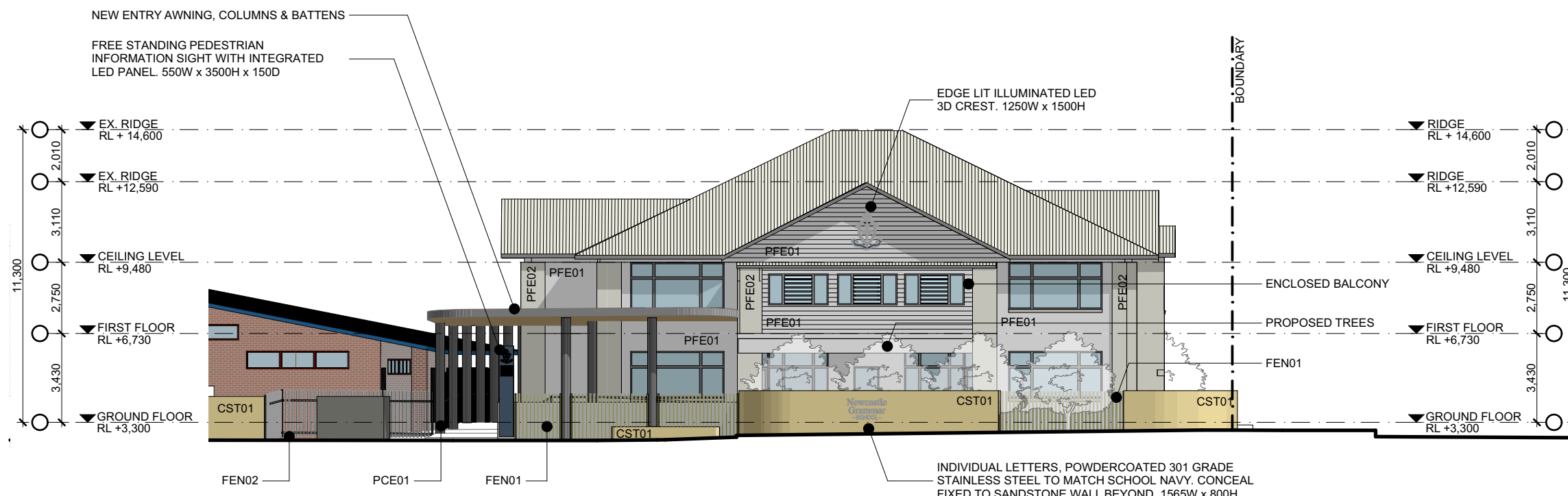


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EXTERIOR FINISHES LEGEND

CODE	FINISH
CST01	Cladding Stone Wall - Diamon Sawn Light to Medium
FEN01	Fence - Excel Harvest
FEN02	Fence - Zeus Timberland
PCE01	Powder Coat - Zeus Timberland
PFE01	Paint Finish - Natural White
PFE02	Paint Finish - Stone Bread
PFE03	Paint Finish - Zeus Timberland



South - Parkway Avenue



East - Corlette Street

4293
2.13

RevG 15.10.21

Block B Elevations - South & East

Newcastle Grammar School - Park Campus Stage 1

Parkway Avenue, Cooks Hill NSW

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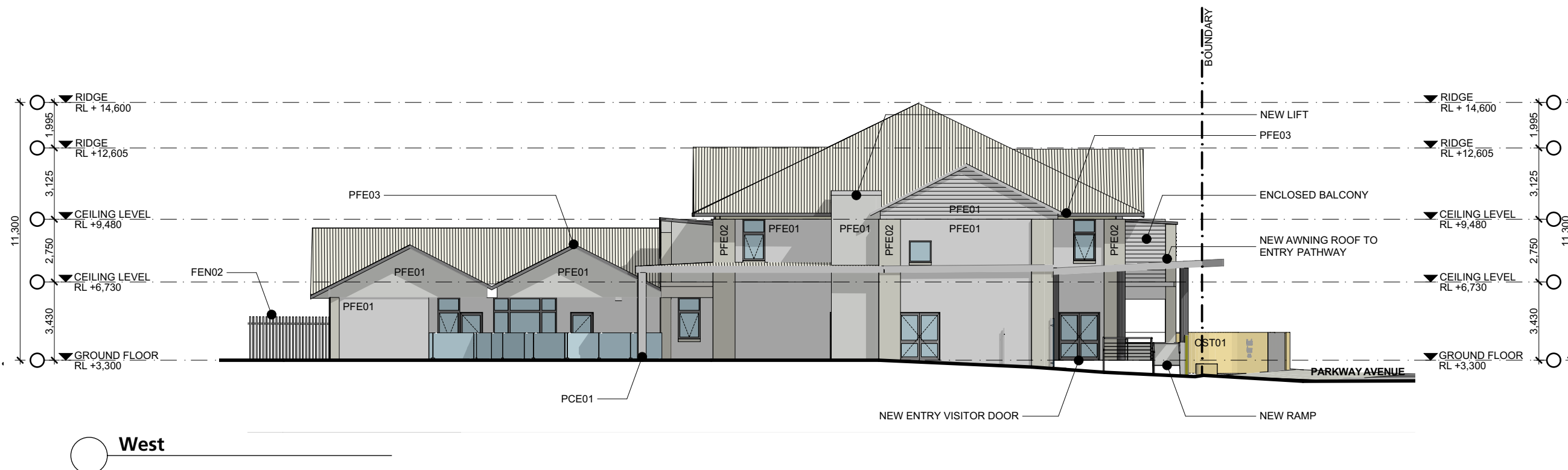
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PFE02	Paint Finish - Stone Bread
PFE03	Paint Finish - Zeus Timberland



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2.14

RevG 15.10.21

Block B Elevations - North & West

Newcastle Grammar School - Park Campus Stage 1

Parkway Avenue, Cooks Hill NSW

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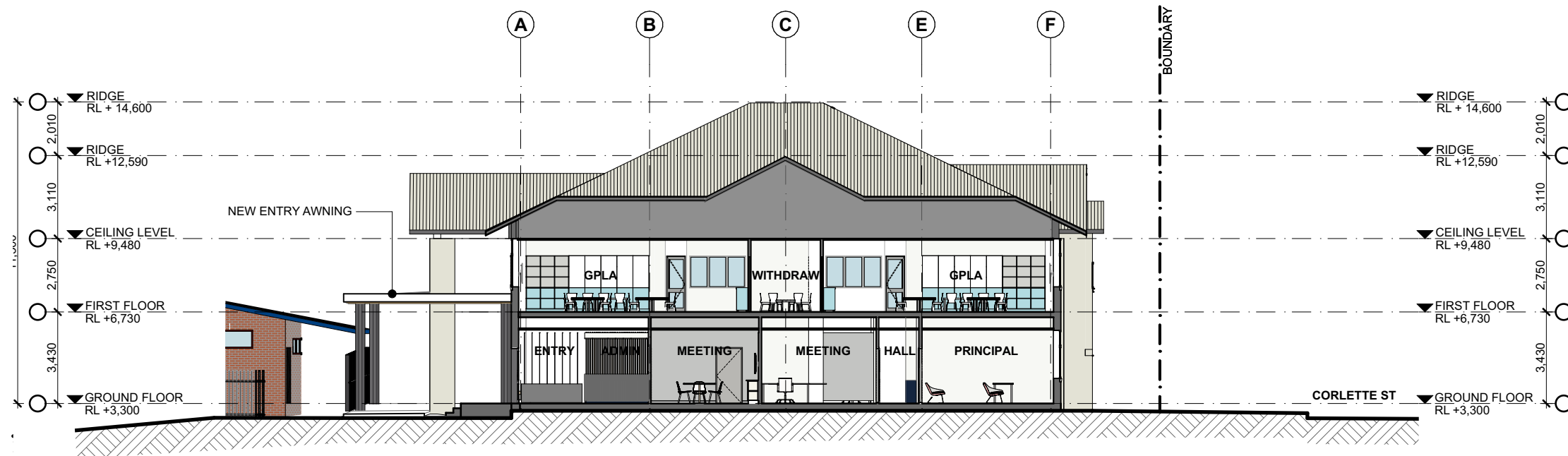
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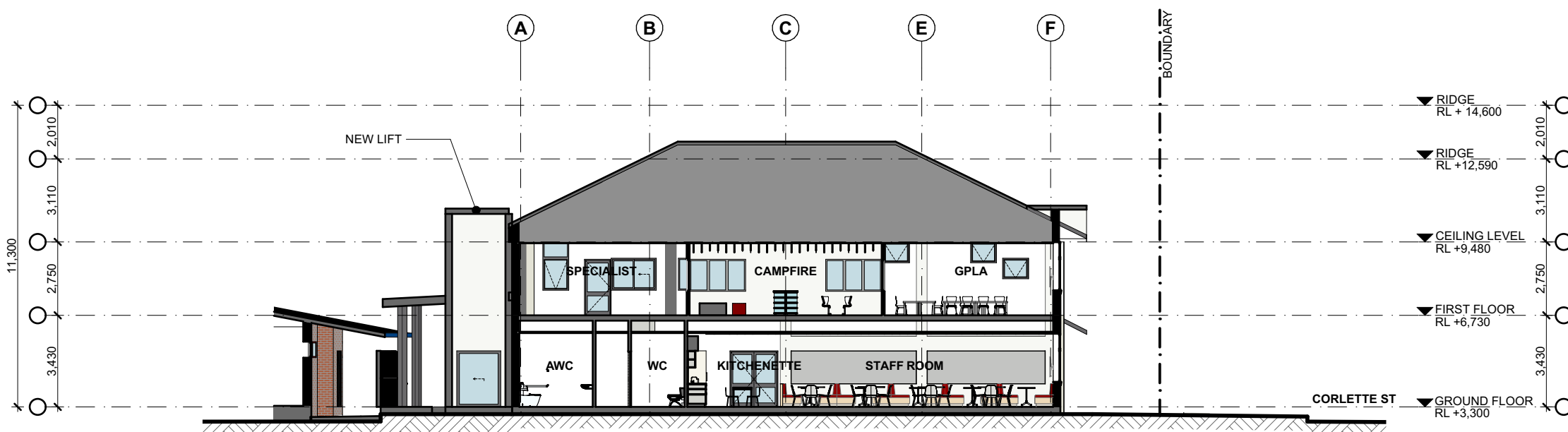


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A-A



B-B

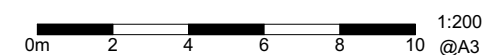
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Block B Sections 01

Newcastle Grammar School - Park Campus Stage 1

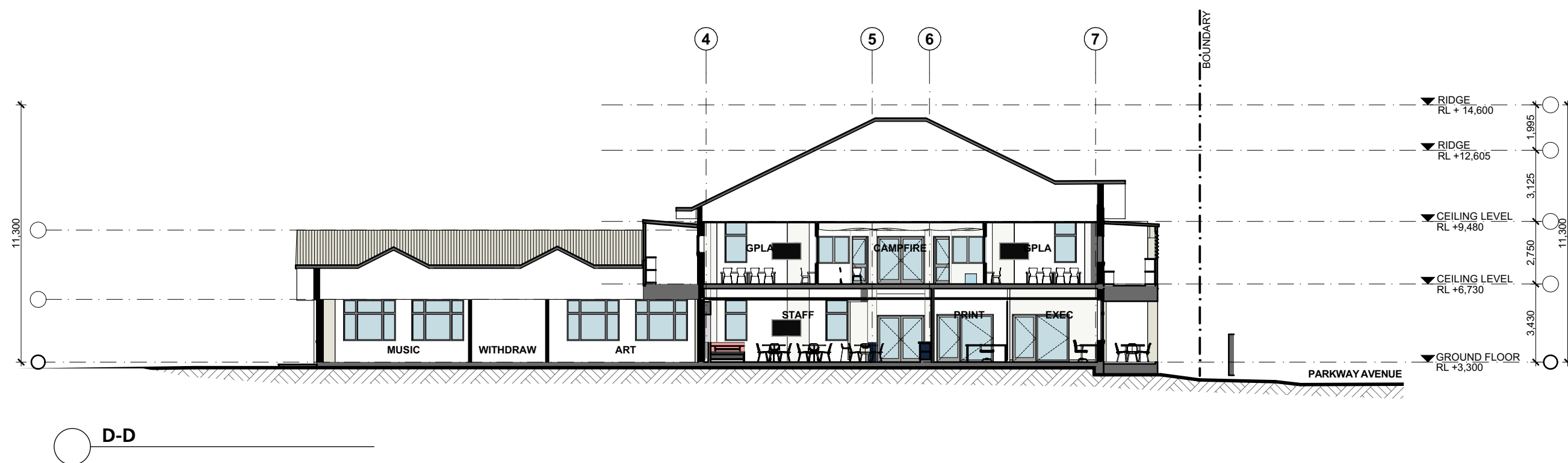
Parkway Avenue, Cooks Hill NSW



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Stage 01
Union Street



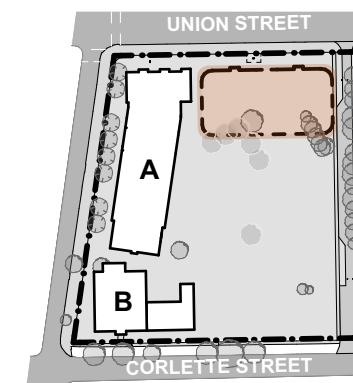
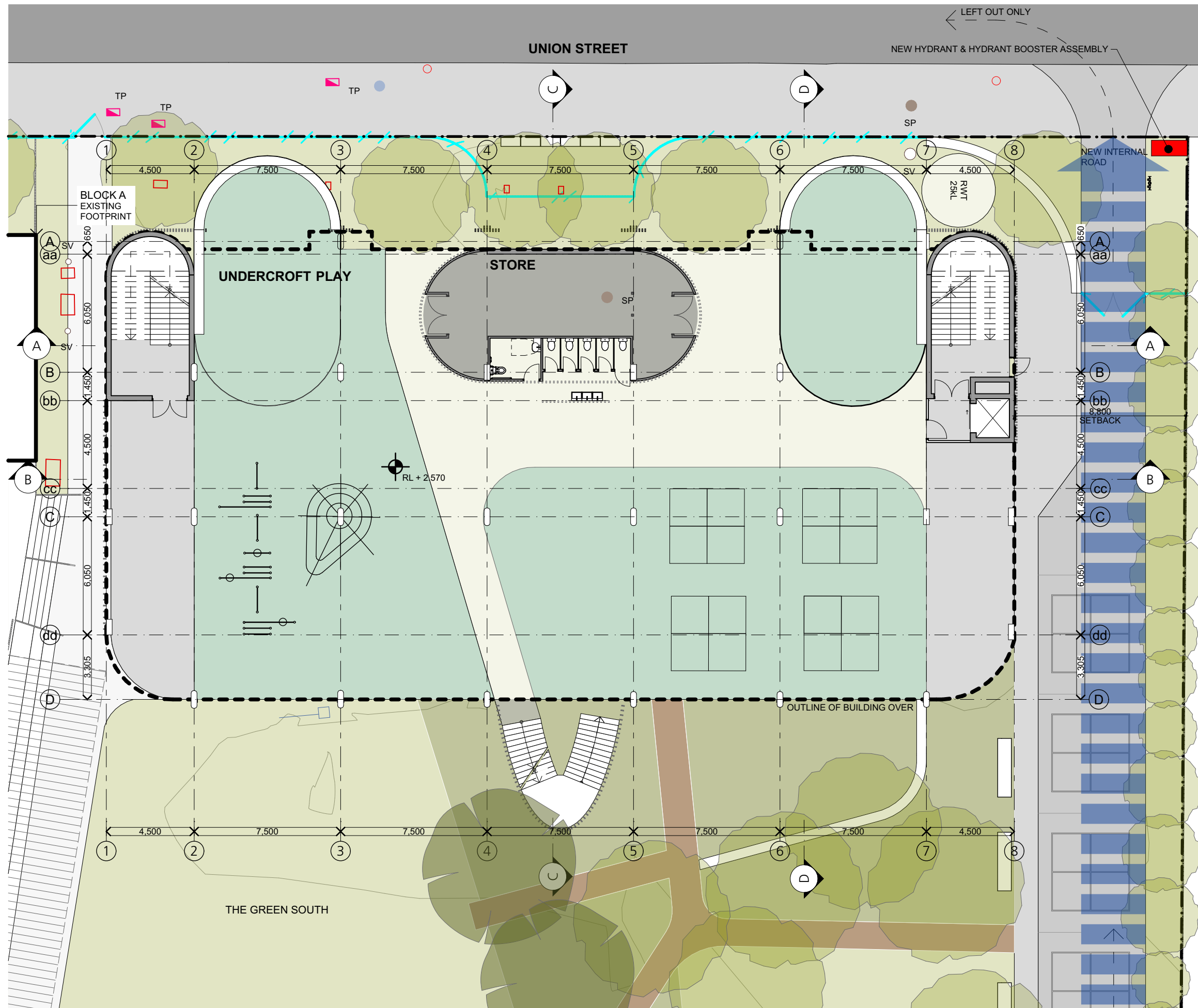
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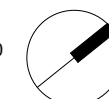
4293
2.21

RevP 15.10.21

Ground Floor Plan

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

0m 2 4 6 8 10 1:200
@A3



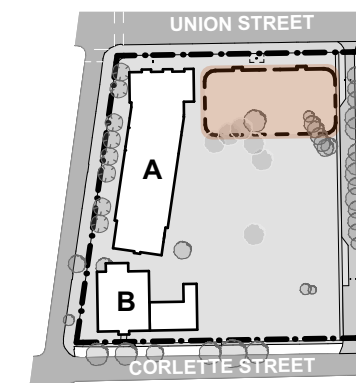
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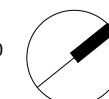
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RevP 15.10.21

First Floor Plan

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

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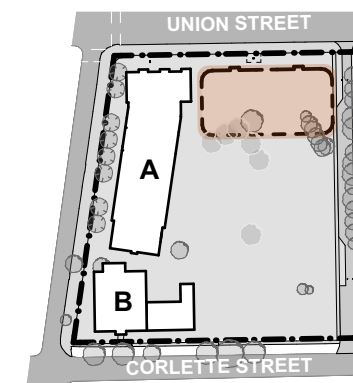
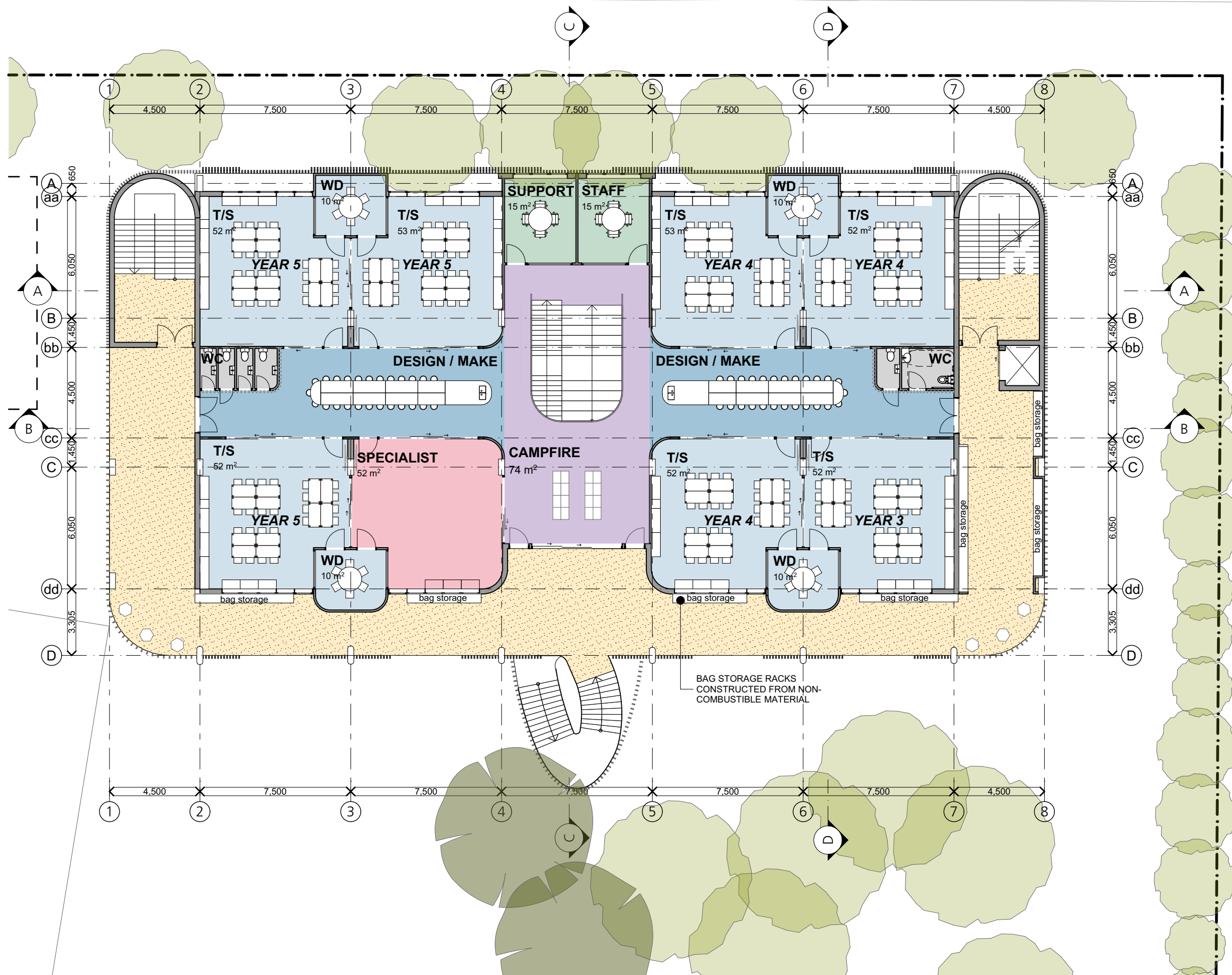
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2.23

RevP 15.10.21

Second Floor Plan

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

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@A3



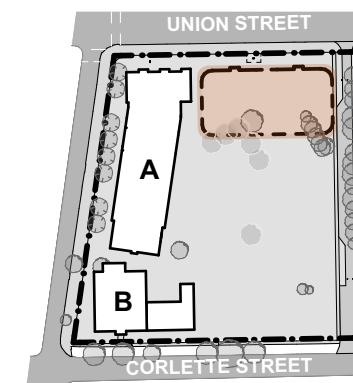
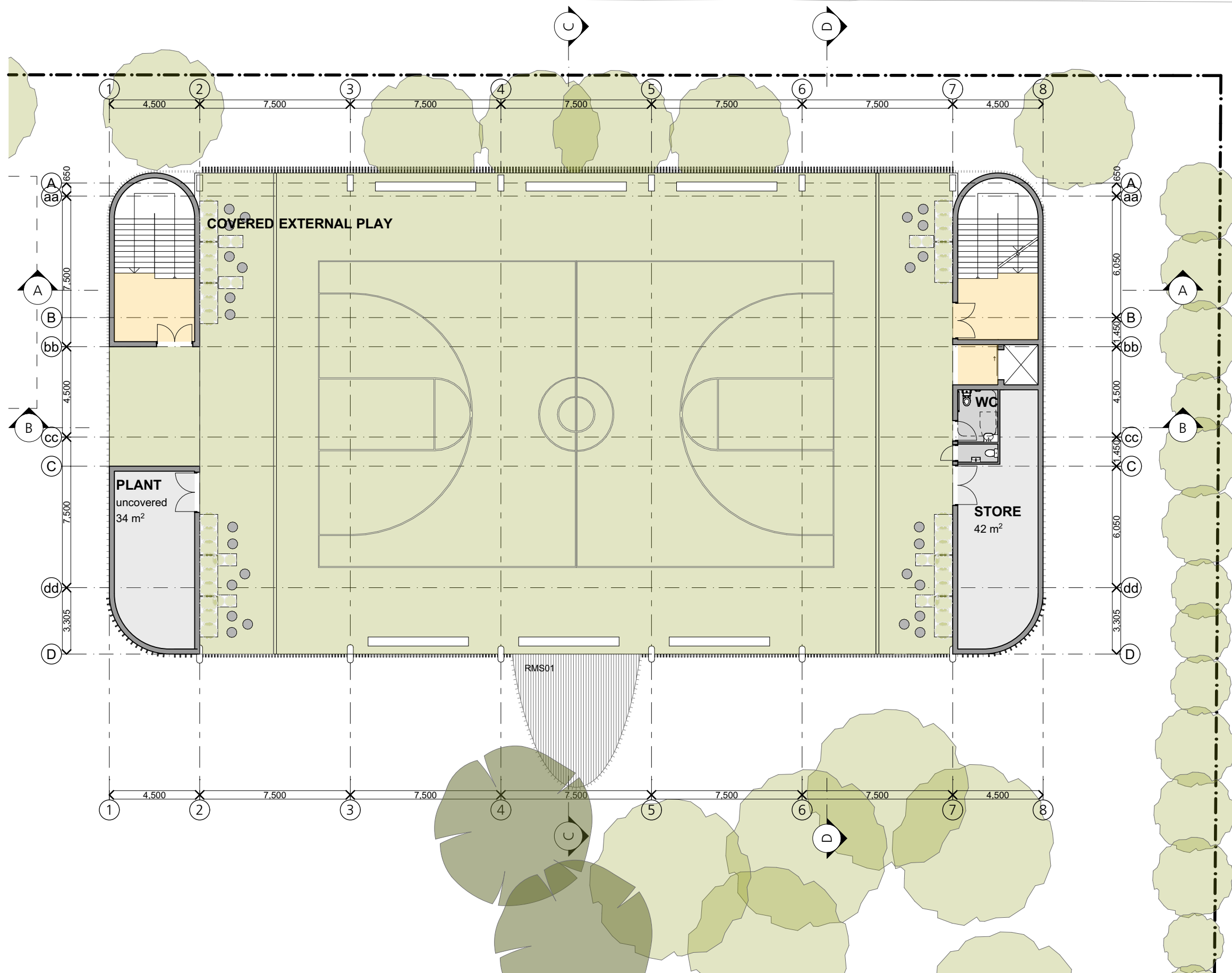
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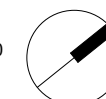
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RevO 15.10.21

Rooftop Play

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

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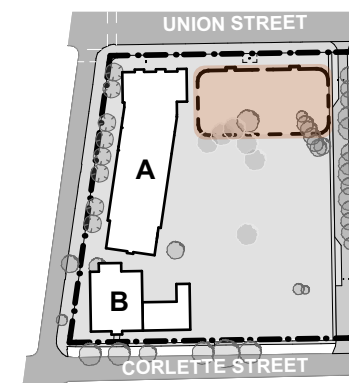
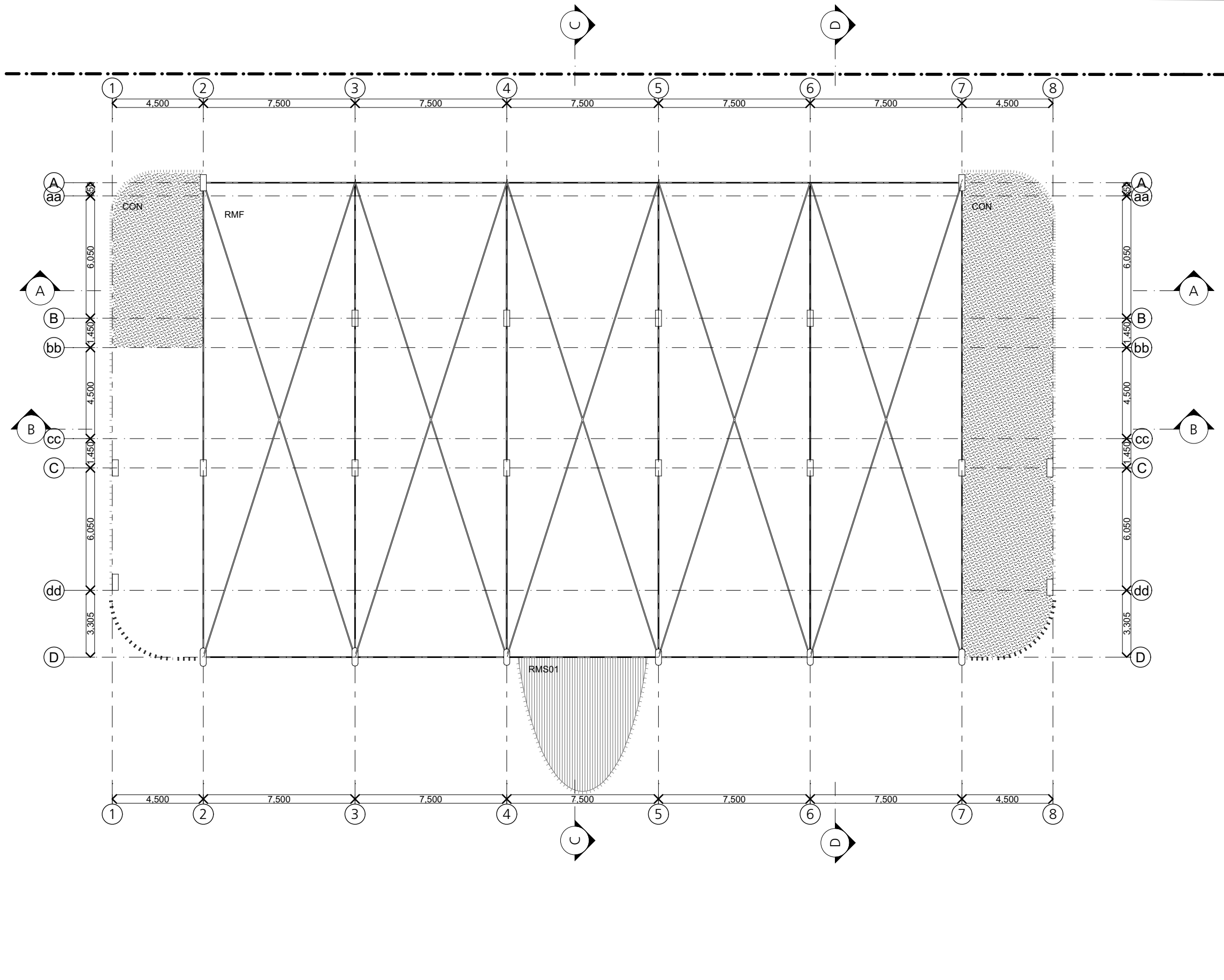
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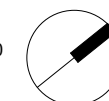
4293
2.25

RevE 15.10.21

Roof Plan

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

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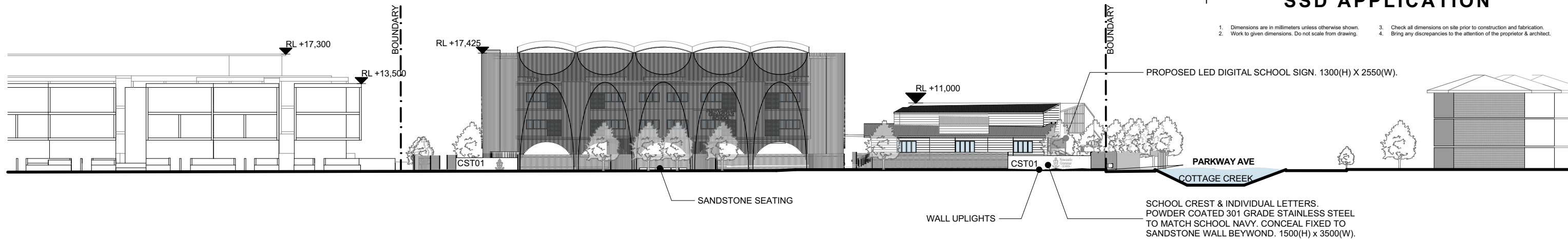


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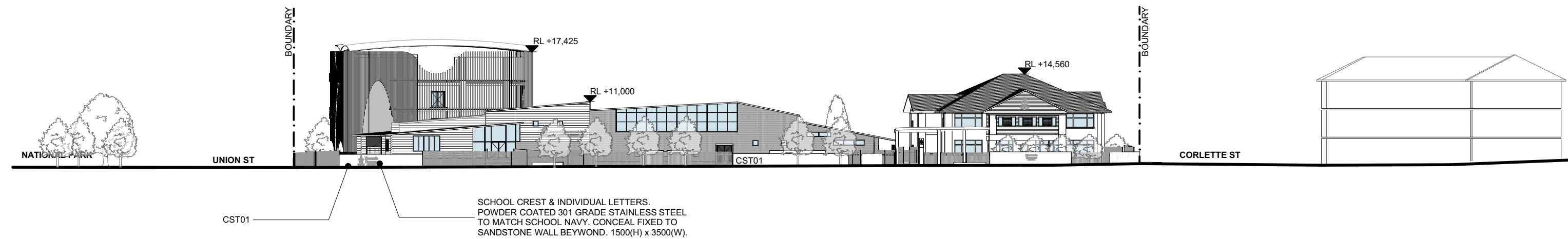
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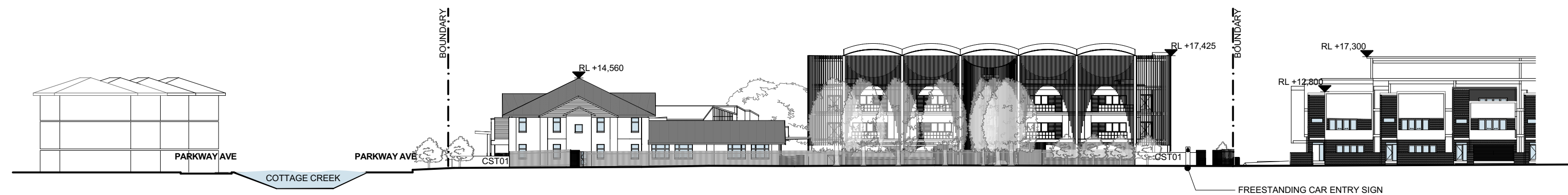
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UNION STREET WEST ELEVATION



PARKWAY AVENUE SOUTH ELEVATION



CORLETTE STREET EAST ELEVATION

4293
2.26

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Elevations -Site

Newcastle Grammar School - Park Campus Stage 1

Parkway Avenue, Cooks Hill NSW

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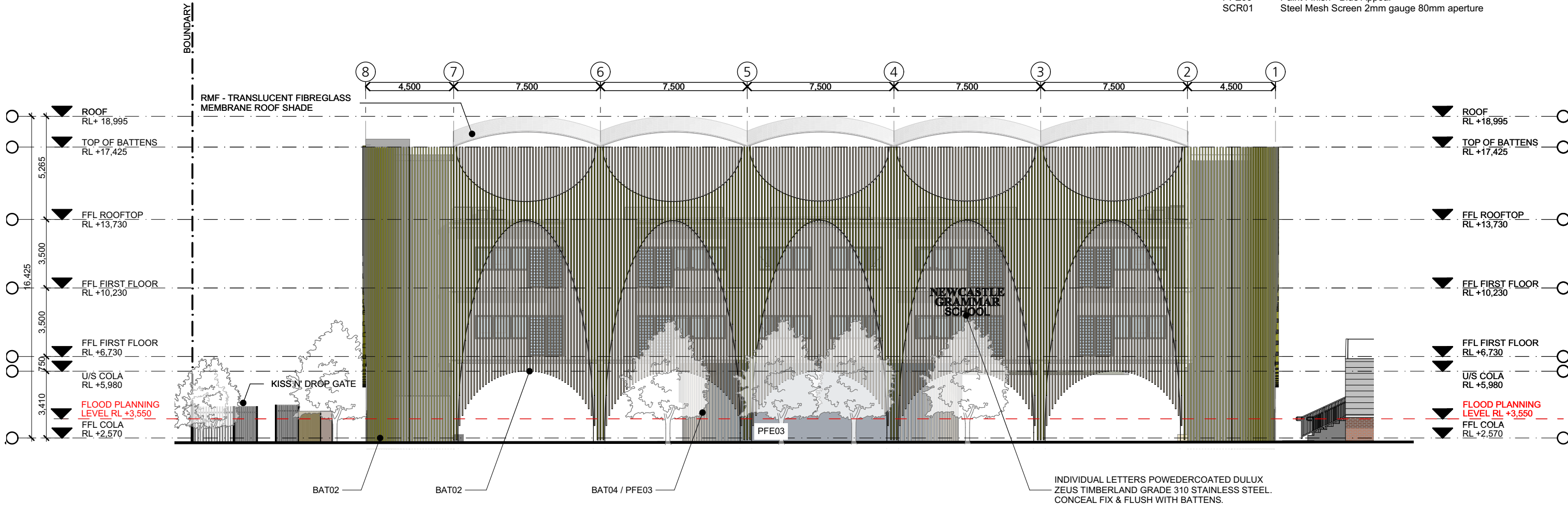
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EXTERIOR FINISHES LEGEND

CODE	FINISH
BAT02	Batten Aluminium - Excel Domain
BAT03	BattenAluminium - Excel Harvest
BAT04	Batten Aluminium - Zeus Timberland
CST01	Cladding Stone Wall - Diamon Sawn Light to Medium
PFE01	Paint Finish - Natural White
PFE02	Paint Finish - Zeus Timberland
PFE03	Paint Finish - Blue Appeal
SCR01	Steel Mesh Screen 2mm gauge 80mm aperture



West / Union Street Elevation

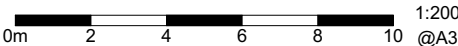
NOTE: BOUNDARY FENCE IS NOT SHOWN FOR CLARITY

4293
2.27

RevJ 15.10.21

Elevations - West

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW



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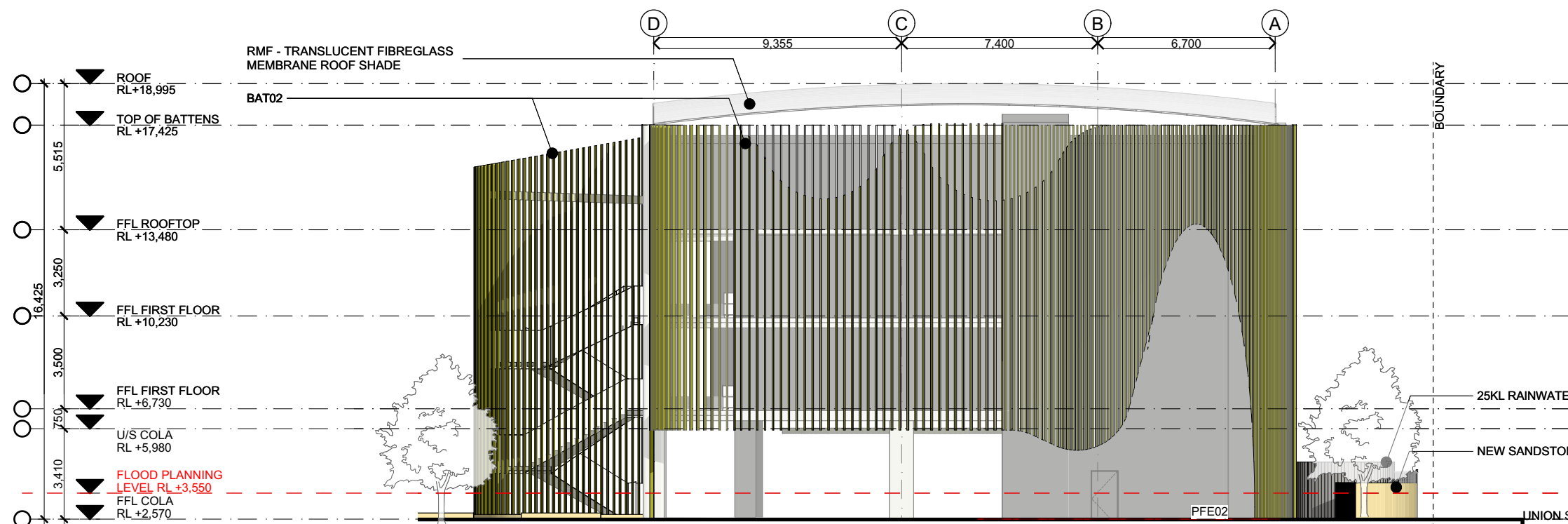


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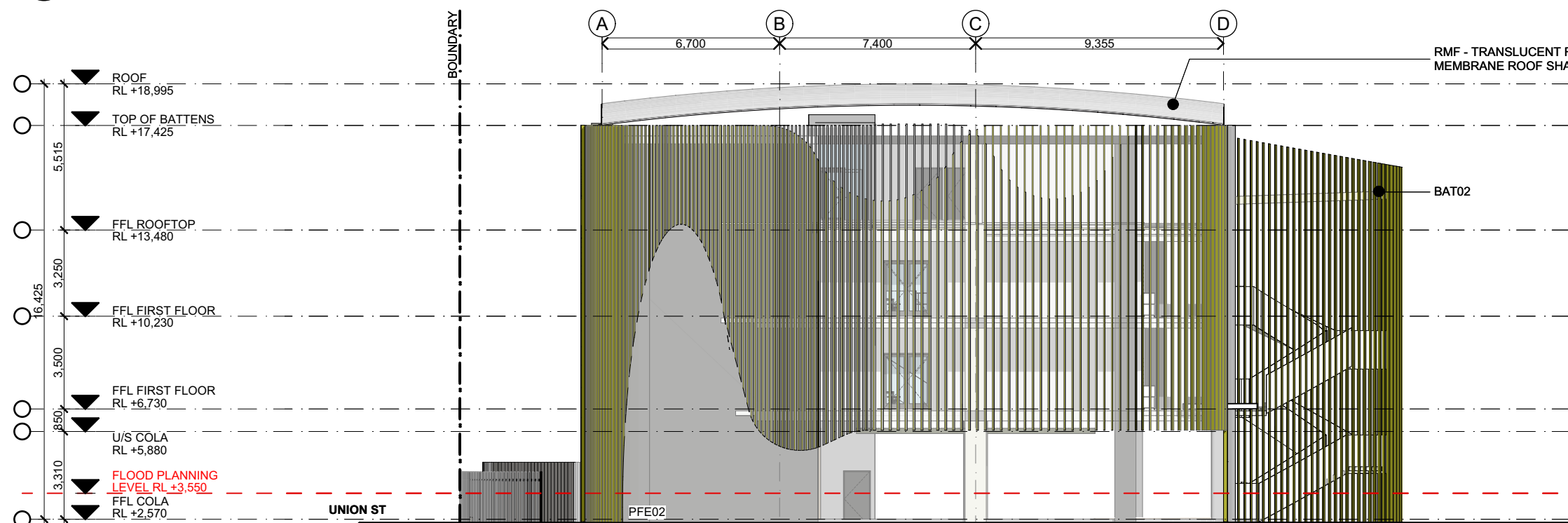
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PFE03	Paint Finish - Blue Appeal
SCR01	Steel Mesh Screen 2mm gauge 80mm aperture



North Elevation



South Elevation

4293
2.28

RevH 15.10.21

Elevations - North & South

Newcastle Grammar School - Park Campus Stage 1

Parkway Avenue, Cooks Hill NSW

0m 2 4 6 8 10 1:200
@A3

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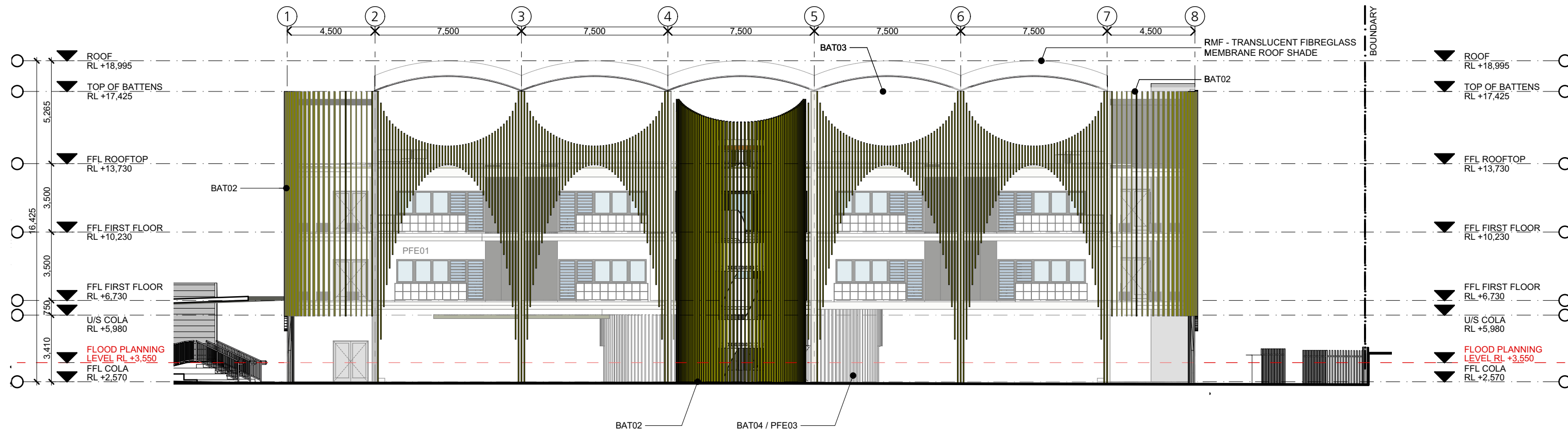


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4. Bring any discrepancies to the attention of the proprietor & architect.

EXTERIOR FINISHES LEGEND

CODE	FINISH
BAT02	Batten Aluminium - Excel Domain
BAT03	Batten Aluminium - Excel Harvest
BAT04	Batten Aluminium - Zeus Timberland
CST01	Cladding Stone Wall - Diamon Sawn Light to Medium
PFE01	Paint Finish - Natural White
PFE02	Paint Finish - Zeus Timberland
PFE03	Paint Finish - Blue Appeal
SCR01	Steel Mesh Screen 2mm gauge 80mm aperture



East Elevation

4293
2.29

RevK 15.10.21

Elevations - East

Newcastle Grammar School - Park Campus Stage 1

Parkway Avenue, Cooks Hill NSW

0m 2 4 6 8 10 1:200
@A3

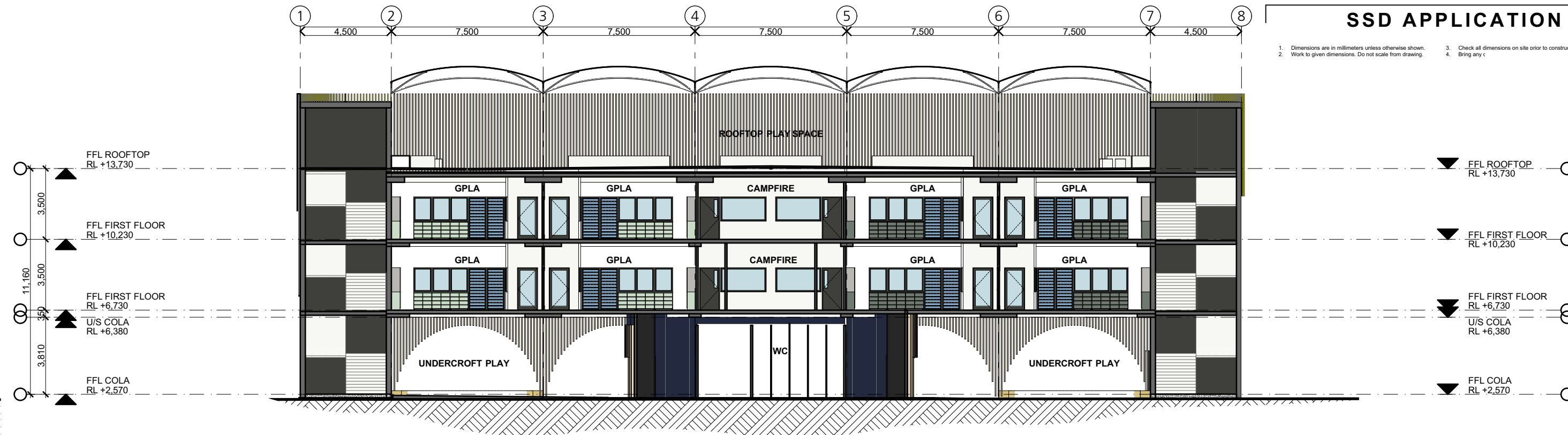
SHAC

Nominated Architect Justin Hamilton (6160) | ABN 32 131 584 846



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4. Bring any c



4293
2.30

RevH 15.10.21

Sections 01

Newcastle Grammar School - Park Campus Stage 1

Parkway Avenue, Cooks Hill NSW

0m 2 4 6 8 10 1:200
@A3

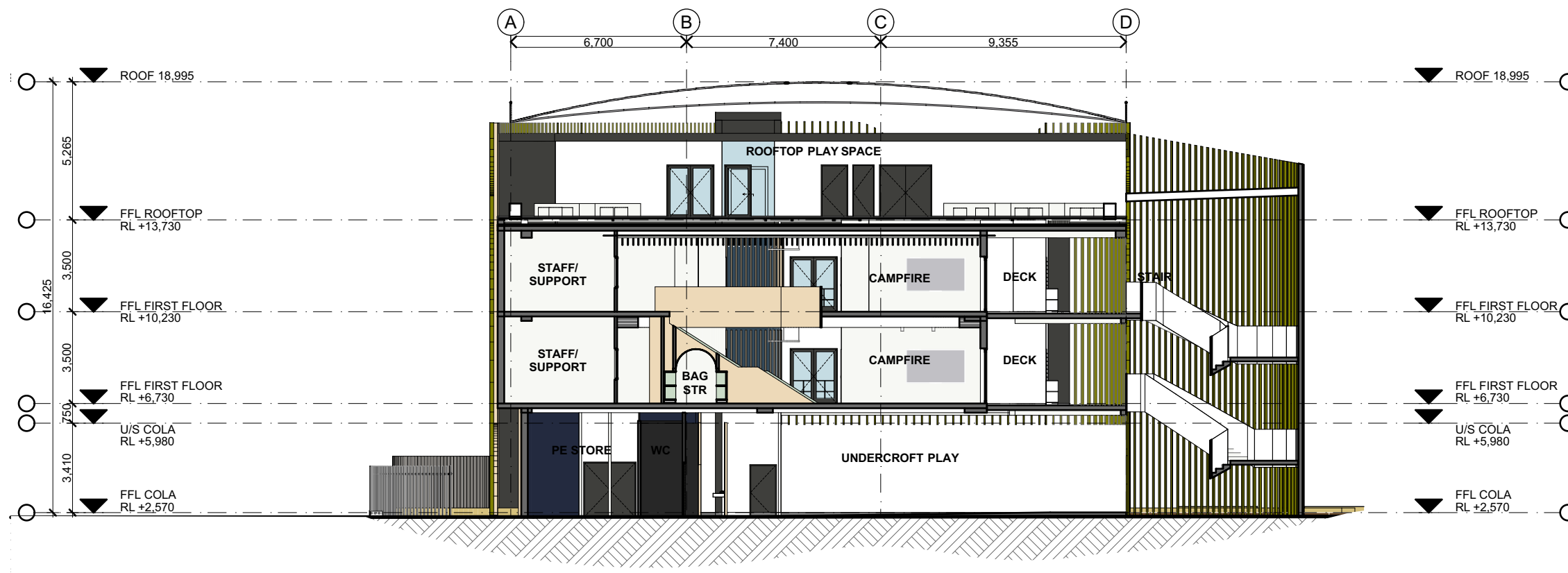
SHAC

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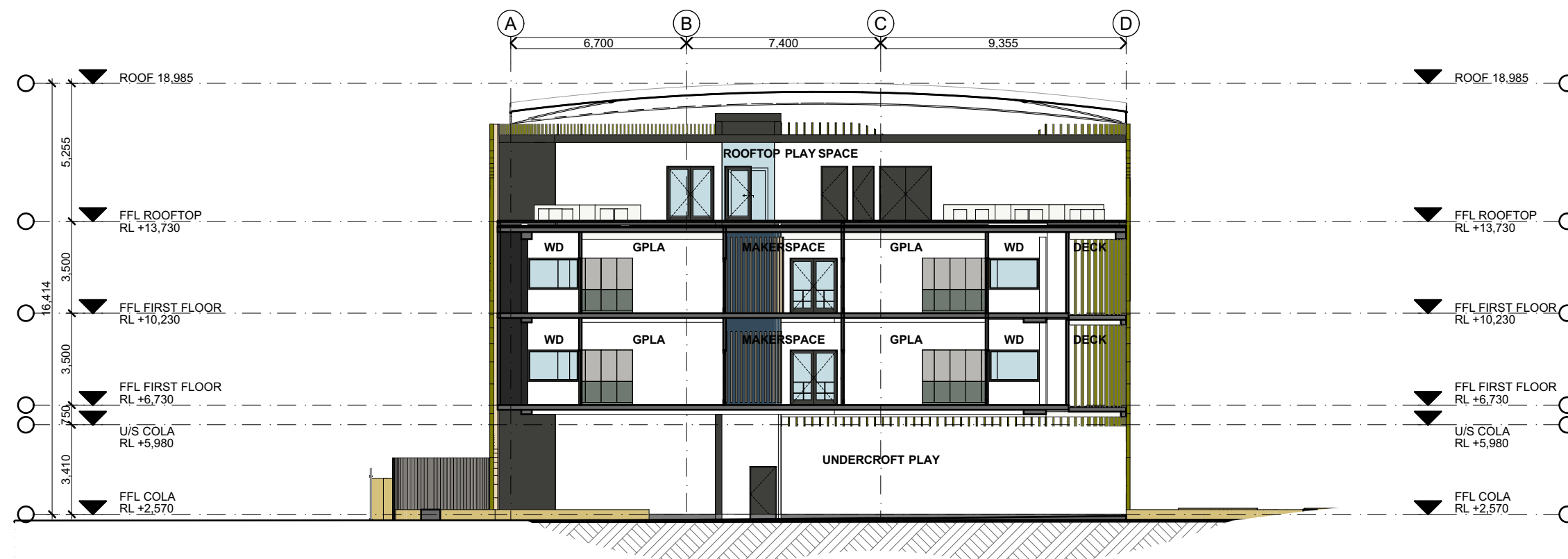


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Section C-C



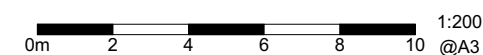
Section D-D

4293
2.31

RevH 15.10.21

Sections 02

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW



SHAC

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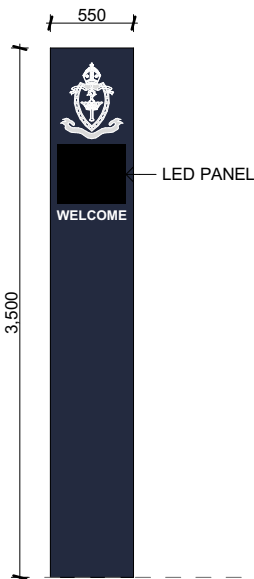


SSD APPLICATION

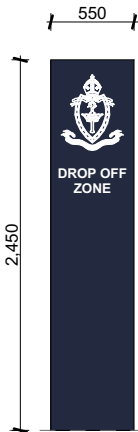
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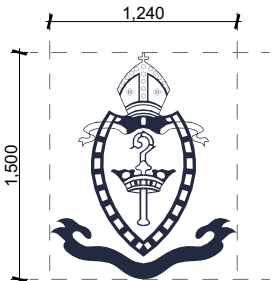
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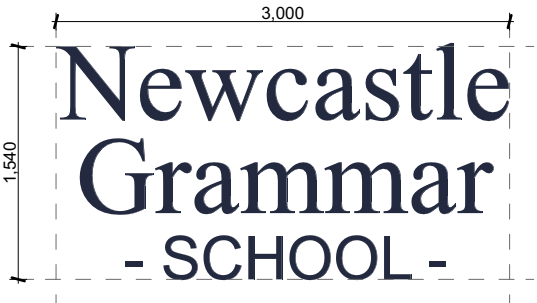
FREESTANDING PEDESTRIAN SIGN
FREE STANDING PEDESTRIAN INFORMATION
SIGN WITH INTEGRATED LED PANEL



FREESTANDING CAR ENTRY SIGN
FREE STANDING CAR ENTRY SIGN



SCHOOL CREST
EDGE LIT ILLUMINATED LED 3D CREST



INDIVIDUAL LETTERING
INDIVIDUAL LETTERS POWDER COATED, 301 GRADE
STAINLESS STEEL TO MATCH SCHOOL NAVY.
CONCEAL FIXED TO SANDSTONE WALL BEHIND

SSD APPLICATION

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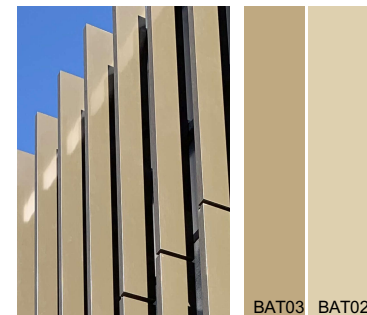
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Tensile Membrane Roof - RMF

The tensile membrane roof was chosen as it provides shade & weather protection, while admitting light, & being lightweight & able to be shaped into dramatic forms which compliment the arches of the facade battens.



Facade Battens

The choice of light colours reflects the colour of the sand of the nearby beaches & emphasises the light & airy quality of the battens while also reducing heat stress on the building.

Specified Colour: Interpon Harvest, Interpon Domain



Behind the Battens

Lighter hues were selected to emphasise the play of shadow & light of the battens & recessed/solid components of the facades.

4293
2.33

RevH 15.10.21

Perspective - Streetview

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

NTS
@A3

SHAC

Nominated Architect Justin Hamilton (6160) | ABN 32 131 584 846



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4293
2.34

RevH 15.10.21

Perspective - Playground

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

NTS
@A3

SHAC

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4293
2.35

RevG 15.10.21

Perspective - Campfire

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

NTS
@A3

SHAC

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4293
2.36

RevG 15.10.21

Perspective - Campfire

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

NTS
@A3

SHAC

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4293
2.37

RevG 15.10.21

Perspective - Makerspace

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

NTS
@A3

SHAC

Nominated Architect Justin Hamilton (6160) | ABN 32 131 584 846

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4293
2.38

RevG 15.10.21

Perspective - Makerspace

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

NTS
@A3

SHAC

Nominated Architect Justin Hamilton (6160) | ABN 32 131 584 846



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4293
2.39

RevG 15.10.21

Perspective - First Floor Campfire

Newcastle Grammar School - Park Campus Stage 1
Parkway Avenue, Cooks Hill NSW

NTS
@A3

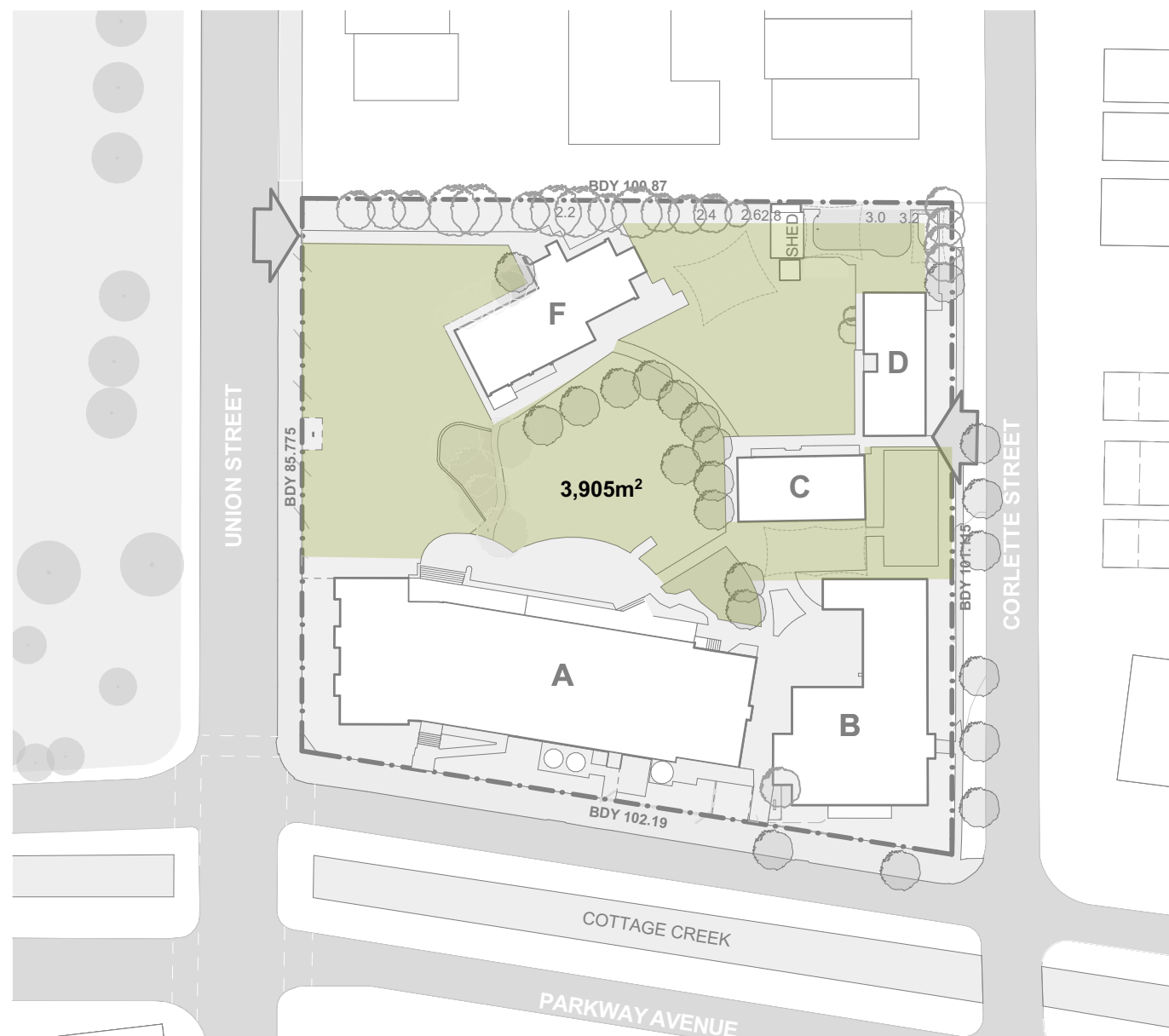
SHAC

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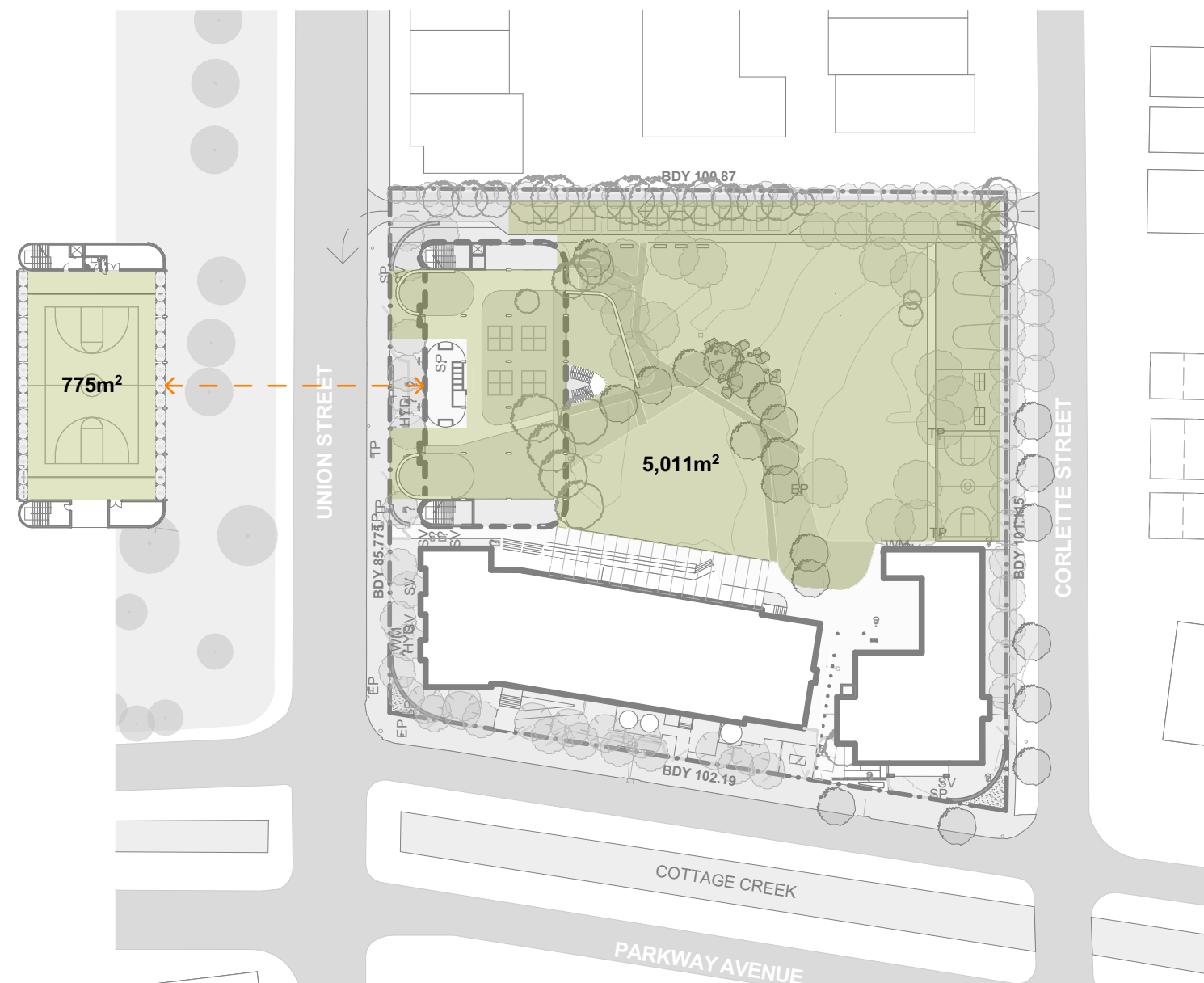


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EXISTING OUTDOOR PLAY SPACE - 3,905 m²



PROPOSED STAGE 01 OUTDOOR PLAY SPACE - 5,011 m² + 775 m² = 5,786 m²

