

SOUTHERN SUBURBS CLUSTER PHASE 03 SCHEMATIC DESIGN

### NEW LIVERPOOL PRIMARY SCHOOL

FORBES STREET, LIVERPOOL NSW 2170 AUSTRALIA

SSDA SUBMISSION (DRAWING SET) REVISION: B DATE: 29 APRIL 2021

Paul Reidy Rod Pindar

**Principals** Brian Cunningham Sergio Melo e Azevedo

Senior Associates Emma Bond

Jze Gan Kiran Jagdev Joanna Murchisor Liz Need

Associates Pei-Lin Cheah Liz Clark Linda Lam Jessica Rodhar Dina Sunna Felipe Torres Quincy Ye

**Studio Manager** Melissa Edwards

Nominated Architects in NSW James Fitzpatrick 9303 Rod Pindar 9019

A Level 6, 9 Castlereagh Street Sydney NSW 2000

**P** +61 2 8274 8200

E enquiries@fitzpatrickpartners.com

W fitzpatrickpartners.co

ABN 19 081 636 900



#### DRAWING LIST

0001

0002

0003

0004

0005

0006

0007

0008

0009

0010

0011

0012

0013

0014

0015

0016

0017

0018

0019 0020

0021

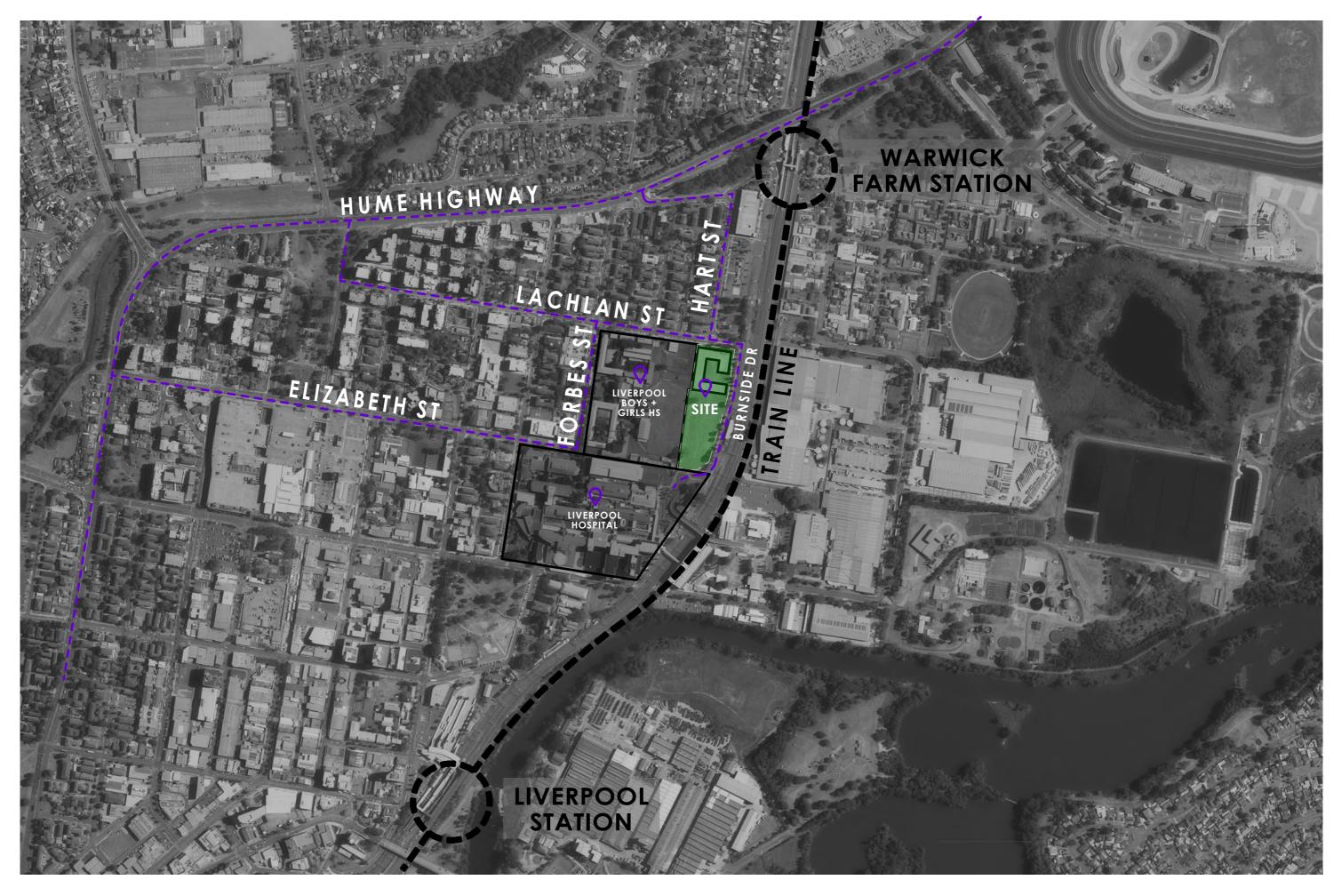
0022

0023

0024

COVER SHEET

- DRAWING LIST
- SITE LOCATION PLAN
- SITE SURVEY
- SITE PLAN
- GROUND PLANE PLAN
- GROUND PLAN
- LEVEL 01 PLAN
- LEVEL 02 PLAN
- ROOF PLAN
- GROUND PLAN: ACCESS AND CIRCULATION
- SECTION SHEET 01
- SECTION SHEET 02
- STREETSCAPE LACHLAN STREET & BURNSIDE DRIVE
- ELEVATION SHEET 01
- ELEVATION SHEET 02
- FACADE DETAIL
- WAYFINDING & SIGNAGE STRATEGY
- ARTIST IMPRESSION LACHLAN STREET LOOKING EAST
- ARTIST IMPRESSION BURNSIDE DRIVE
- ARTIST IMPRESSION
- SUN SHADOW DIAGRAMS SHEET 01
- SUN SHADOW DIAGRAMS SHEET 02
- MATERIALS AND FINISHES SELECTION



# fitzpatrick -+partners

THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RELAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS. CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY. SHOP DRAWINGS ARE TO BE FROVIDED FOR APPROVAL PROR TO CONSTRUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners. REV. DATE

 DATE
 DESCRIPTION

 29/04/2021
 SSD SUBMISSION

 12/03/2021
 NEW DRAWING

PROJECT CHK

KJ KJ

NEW LIVERPOOL PRIMARY SCHOOL

SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170

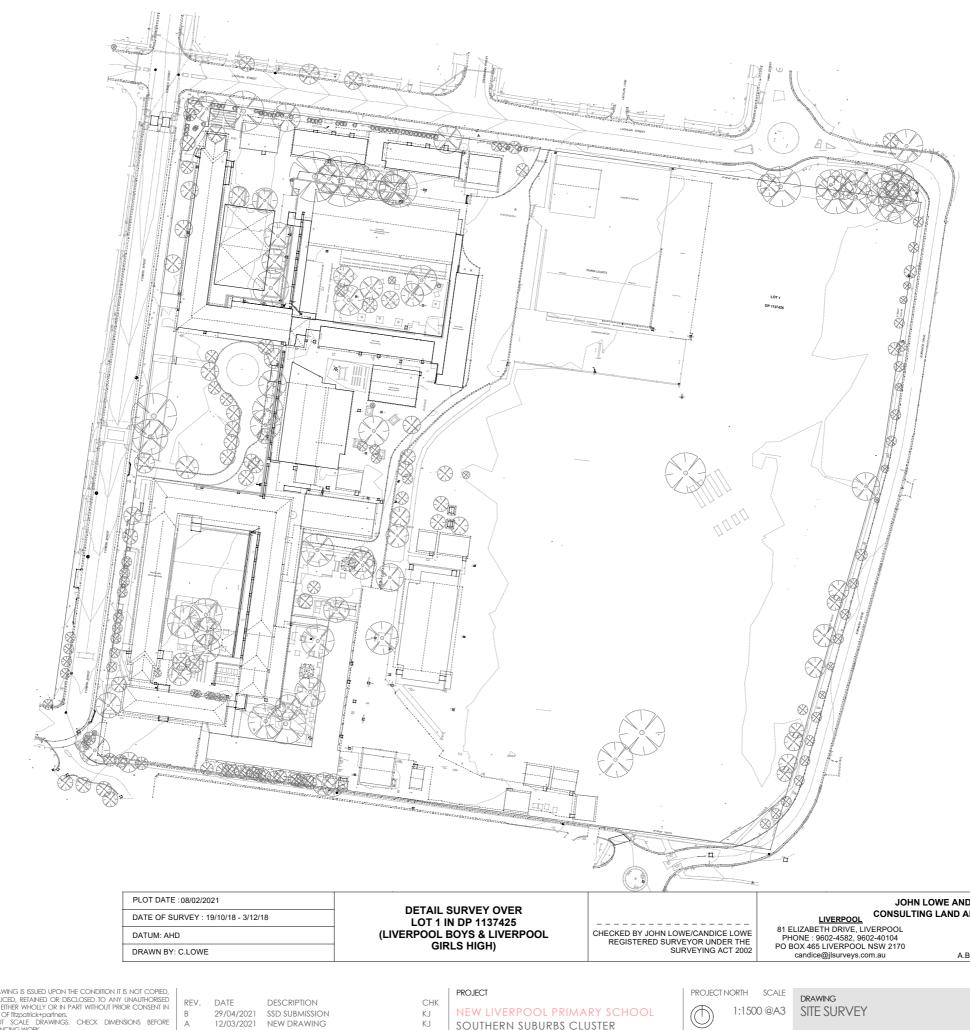


SITE LOCATION PLAN PRINT DATE 29/04/2021 ISSUE

DRAWING

PROJECT NO. 22102 PHASE

DRAWING NO. NLPS-AR-DRG-SSDA-0003





THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners.

SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170

JOHN LOWE AND ASSOCIATES PTY LTD ONSULTING LAND AND ENGINEERING SURVEYORS TAHMOOR		
RPOOL 40104 W 2170		146 LYREBIRD RD, PHEASANTS NEST PHONE : 4684-3227 john@jlsurveys.com.au
au	A.B.N. 76 071 037 959	, , ,

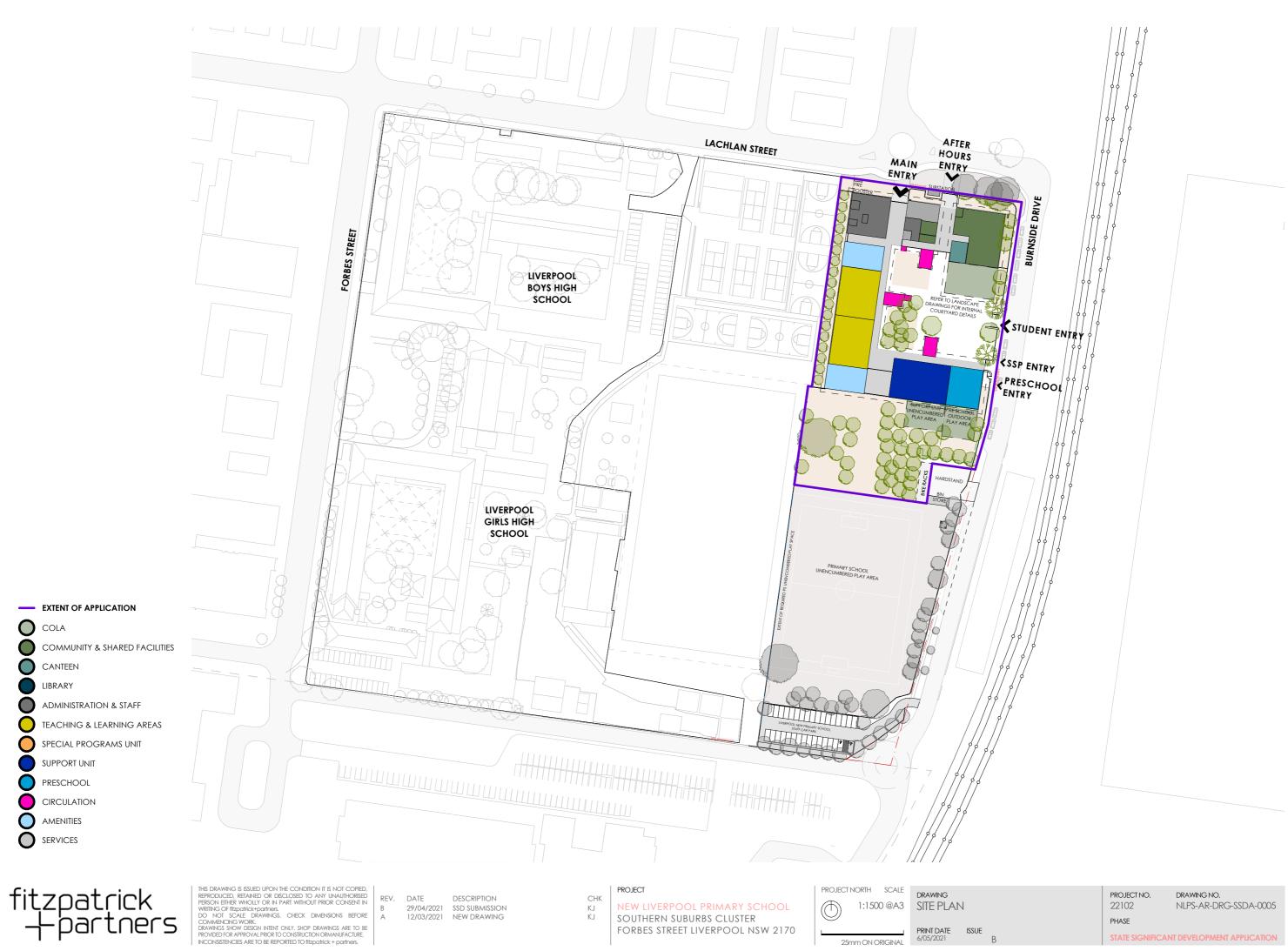
PROJECT NO. 22102 PHASE

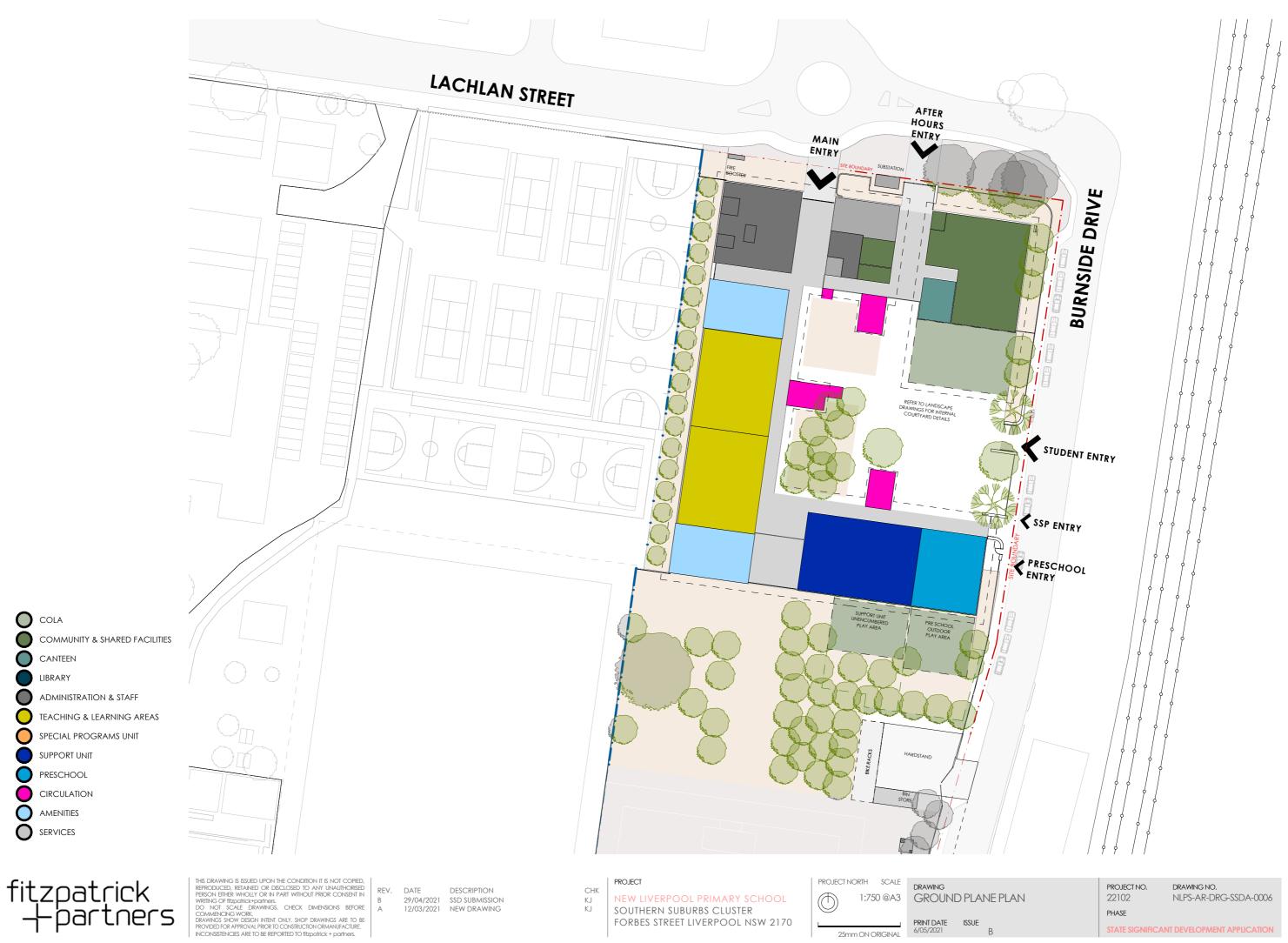
DRAWING NO. NLPS-AR-DRG-SSDA-0004

ISSUE

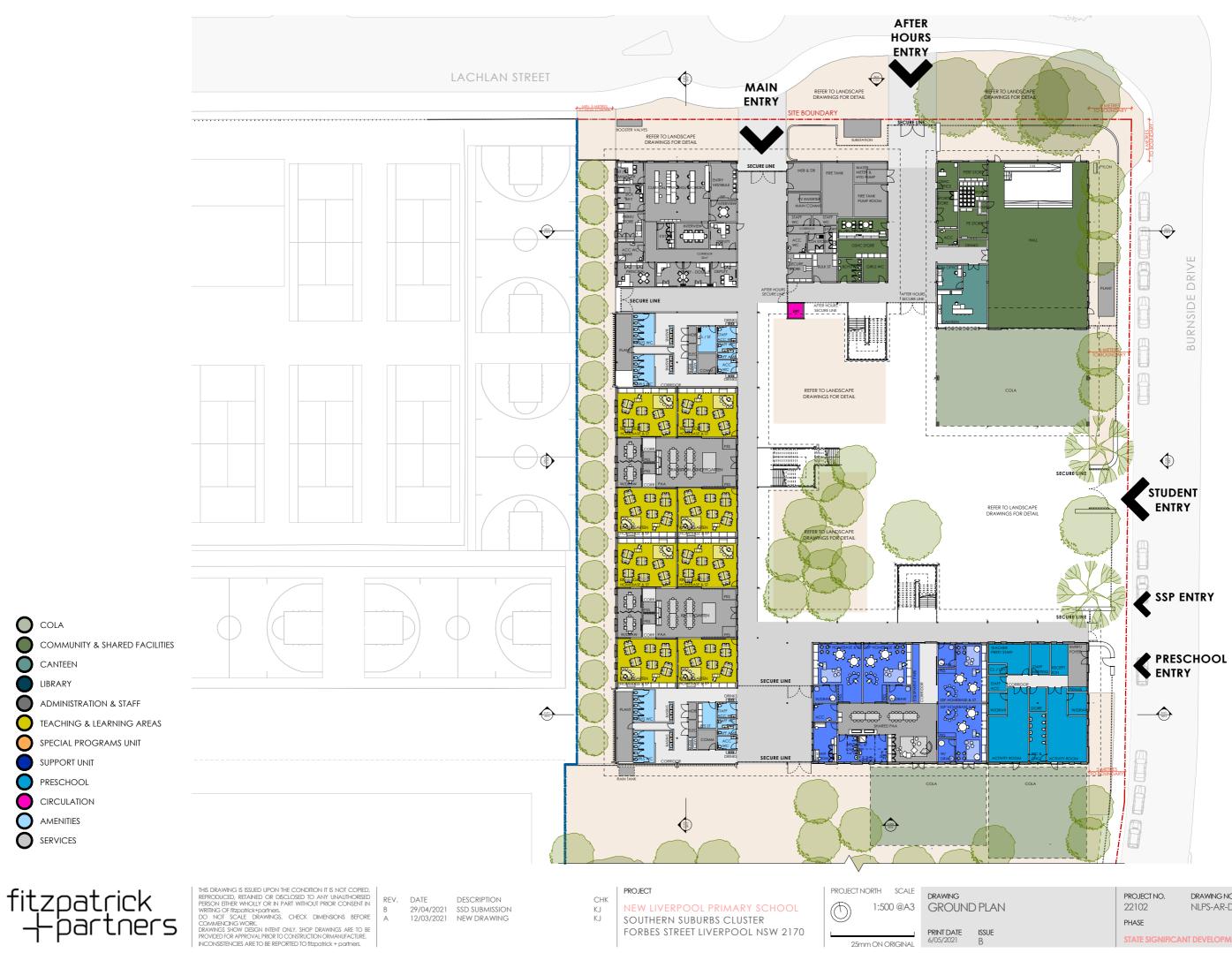
PRINT DATE 29/04/2021

25mm ON ORIGINAL





25mm ON ORIGINAL



25mm ON ORIGINAL

PRINT DATE 6/05/2021 B

DRAWING NO. NLPS-AR-DRG-0007

# fitzpatrick -+partners

THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTHORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners.

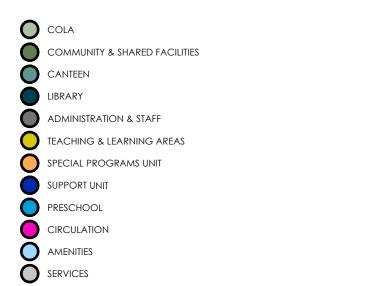
REV. DATE DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

## KJ KJ

SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170

PRINT DATE 29/04/2021 25mm ON ORIGINAL









COMMUNITY & SHARED FACILITIES

ADMINISTRATION & STAFF

SUPPORT UNIT PRESCHOOL 

TEACHING & LEARNING AREAS

CANTEEN

 $\bigcirc$ 

 $\bigcirc$ 

LIBRARY

THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTHORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners.

REV. DATE DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

PROJECT CHK KJ KJ

NEW LIVERPOOL PRIMARY SCHOOL

SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170 PROJECT NORTH SCALE DRAWING  $\bigcirc$ 1:500 @A3 LEVEL 02 PLAN PRINT DATE 29/04/2021 25mm ON ORIGINAL

VOID TO LIBRARY BELOW

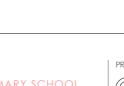
<u>ال</u>د

28.

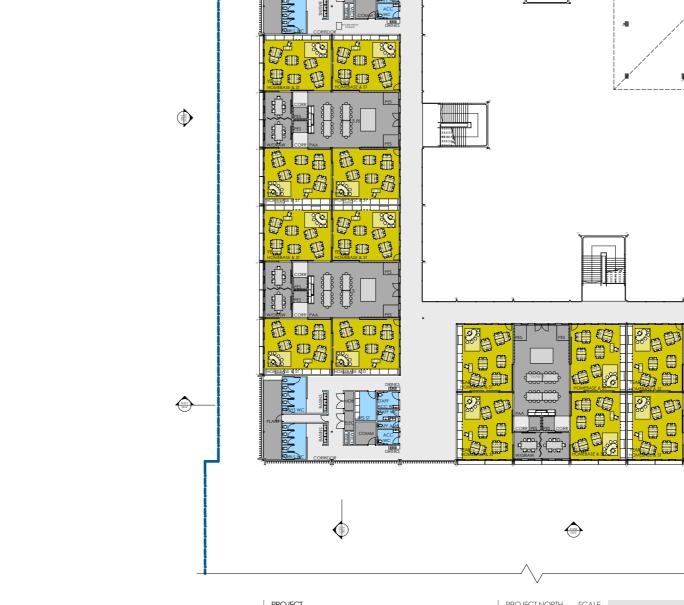
Ē

° 🗒

Ψ







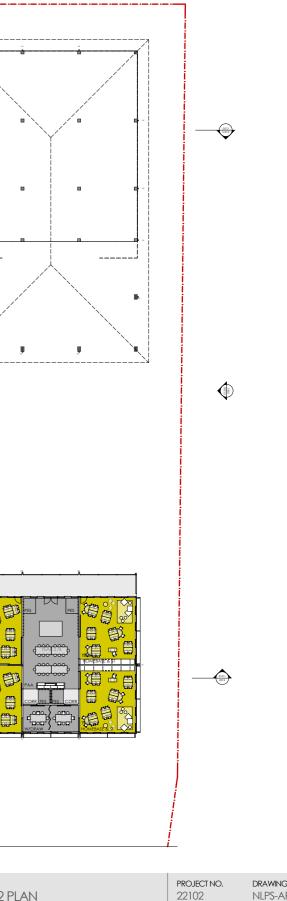
e 9 - 9 e 0

2

SITE BOUNDARY

雨 EB

**HARP** 



DRAWING NO. NLPS-AR-DRG-0009

PHASE

issue B



 $\bigcirc$  COLA

CANTEEN LIBRARY

 $\bigcirc$ 

 $\bigcirc$ 

COMMUNITY & SHARED FACILITIES

ADMINISTRATION & STAFF

SPECIAL PROGRAMS UNIT

SUPPORT UNIT

PRESCHOOL 

O SERVICES

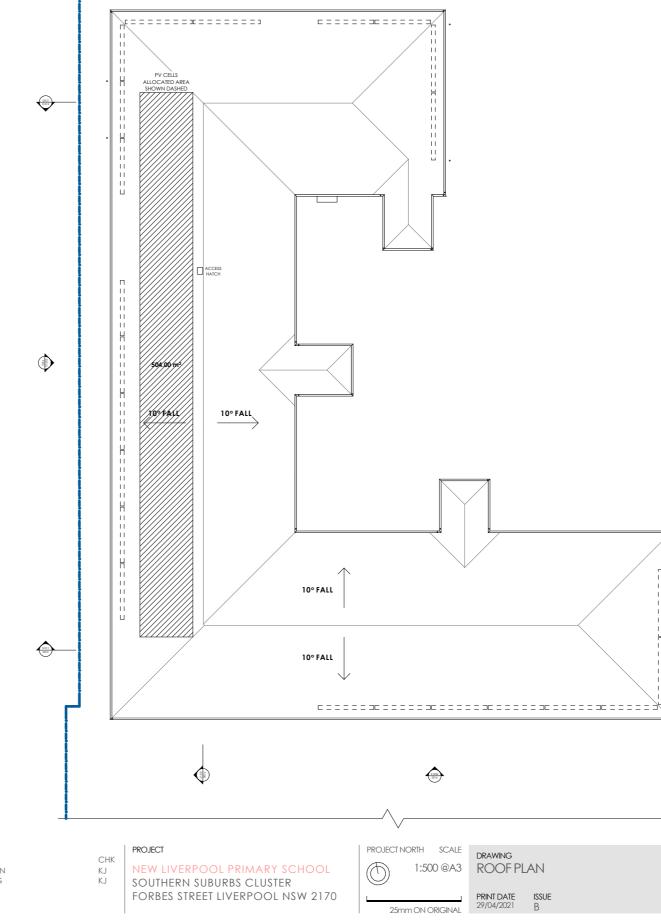
TEACHING & LEARNING AREAS

THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTHORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners.

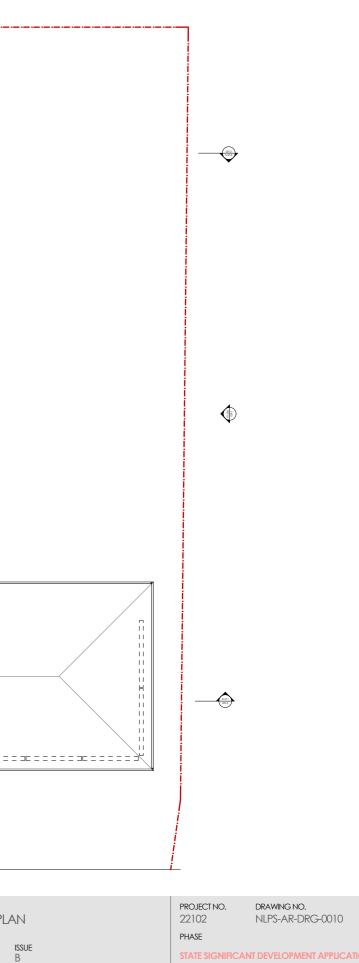
REV. DATE DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

В

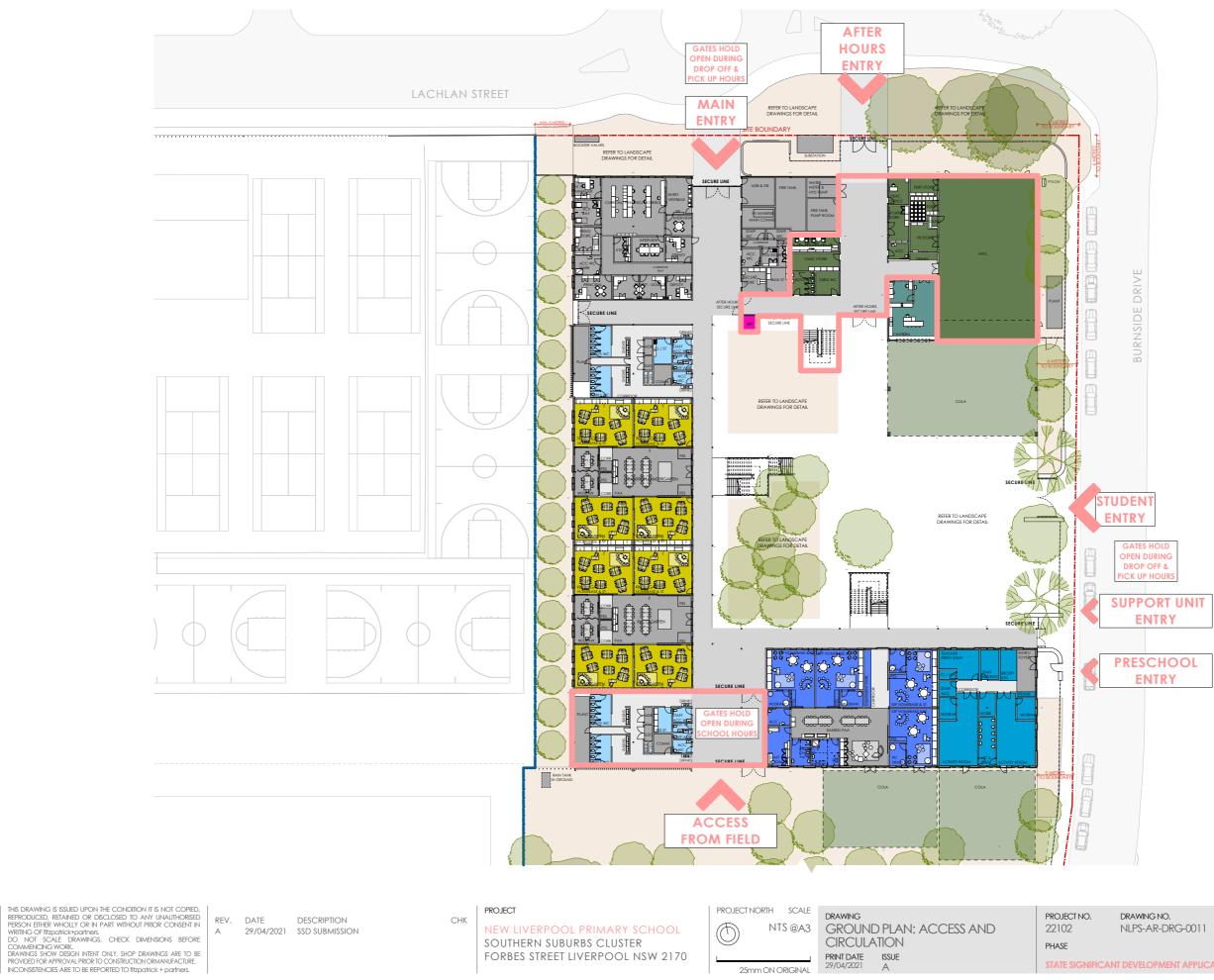
Α



SITE BOUNDARY



STATE SIGNIFICANT DEVELOPMENT APPLICATION





fitzpatrick -+partners

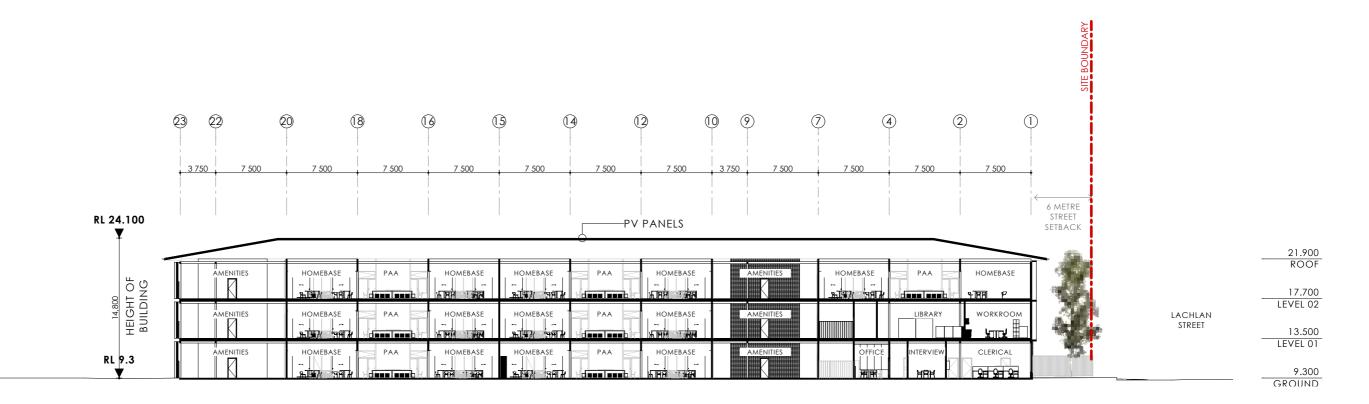
PRESCHOOL 

COMMUNITY & SHARED FACILITIES

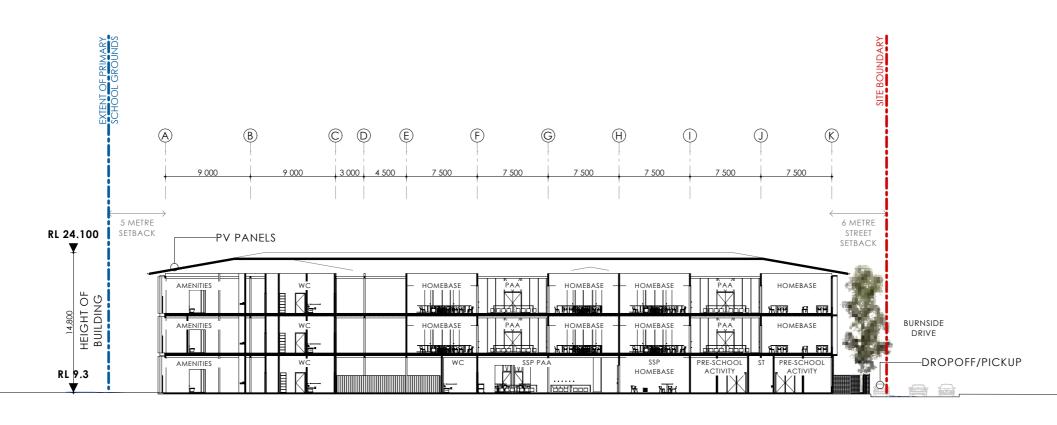
FORBES STREET LIVERPOOL NSW 2170

25mm ON ORIGINAL

PRINT DATE 29/04/2021 ISSUE A



SECTION A



#### SECTION B

THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RELAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS. CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY. SHOP DRAWINGS ARE TO BE FROVIDED FOR APPROVAL PROR TO CONSTRUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners. REV. В

DATE DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

PROJECT CHK KJ KJ

NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170

SCALE DRAWING 1:400 @A3 SECTION SHEET 01 PRINT DATE 6/05/2021 ISSUE 25mm ON ORIGINAL

21.900 ROOF

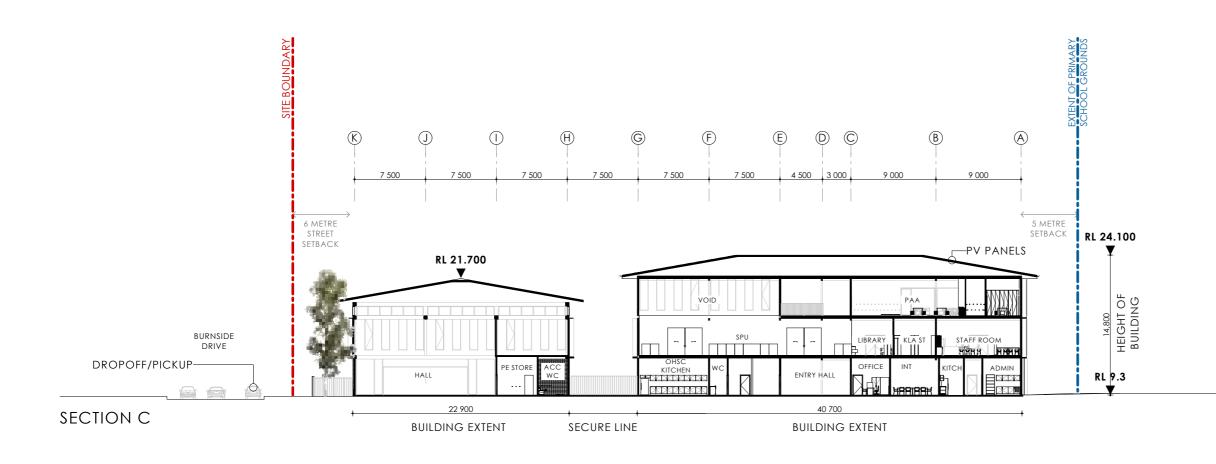
17.700 LEVEL 02

13.500 LEVEL 01

9.300 GROUND

PROJECT NO. 22102 PHASE

DRAWING NO. NLPS-AR-DRG-SSDA-0012



fitzpatrick +partners

THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners. REV. DATE В Α

DATE DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

CHK KJ KJ

PROJECT NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170

SCALE DRAWING 1:400 @A3 SECTION SHEET 02 PRINT DATE 6/05/2021 ISSUE 25mm ON ORIGINAL

PROJECT NO.

DRAWING NO. NLPS-AR-DRG-SSDA-0013

STATE SIGNIFICANT DEVELOPMENT APPLICATION

22102 PHASE

13.500 LEVEL 01

LEVEL 02

21.900 ROOF

17.700

9.300 GROUND



THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners.

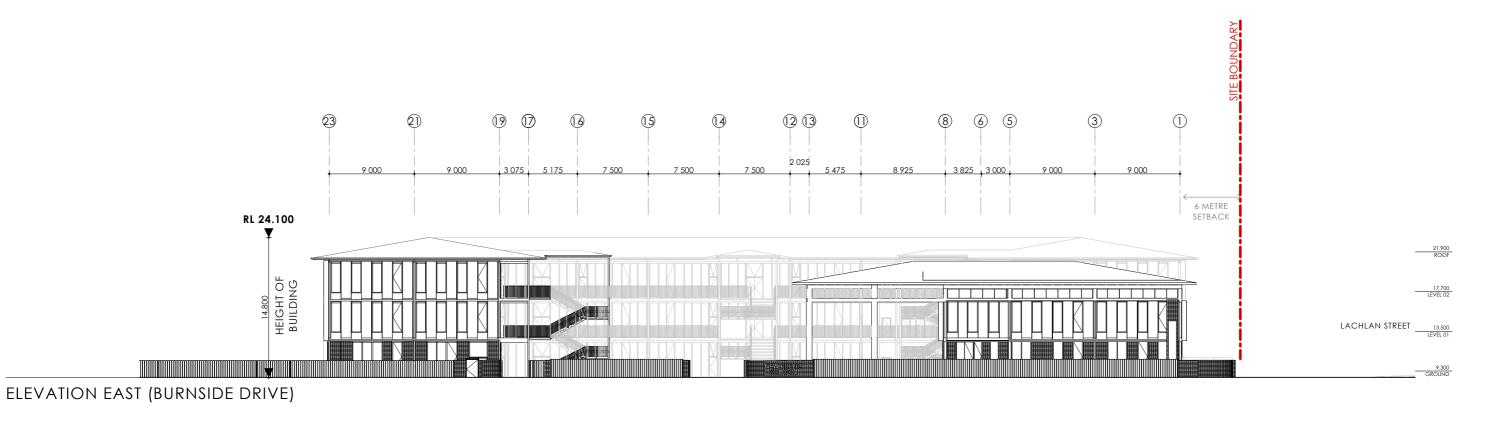
REV. DATE В Α

DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

#### CHK KJ KJ

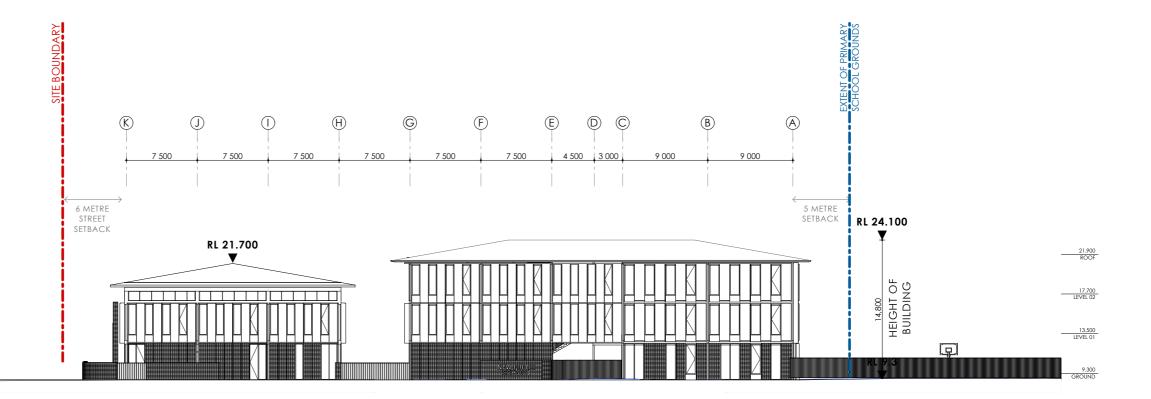
PROJECT NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170

SCALE DRAWING 1:400 @A3 ELEVATION SHEET 01 SCALE PRINT DATE 29/04/2021 25mm ON ORIGINAL



### ELEVATION NORTH (LACHLAN STREET)

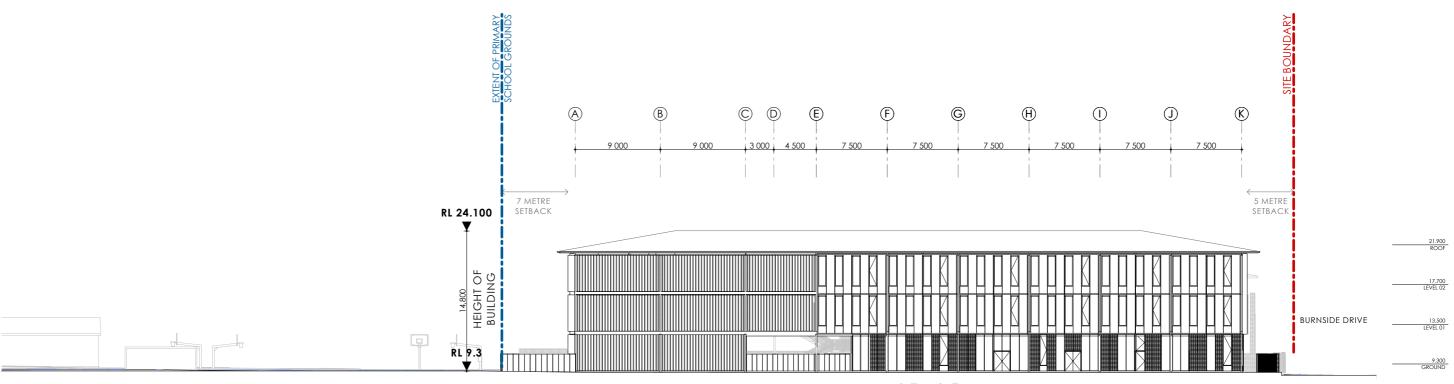
BURNSIDE DRIVE



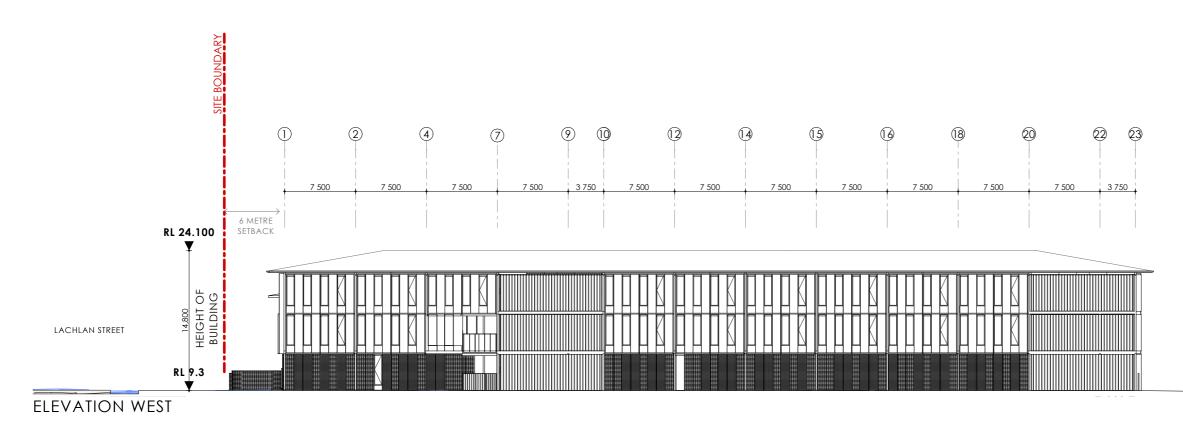
PROJECT NO. 22102 PHASE

DRAWING NO. NLPS-AR-DRG-SSDA-0015

ISSUE



**ELEVATION SOUTH** 



THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners. REV. DATE В Α

DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

PROJECT CHK KJ KJ

NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170



21.900 ROOF

17.700 EVEL 02

13.500 EVEL 01

9.300 GROUND

PROJECT NO. 22102 PHASE

DRAWING NO. NLPS-AR-DRG-SSDA-0016





THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners. REV. В

DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

DATE

А

CHK

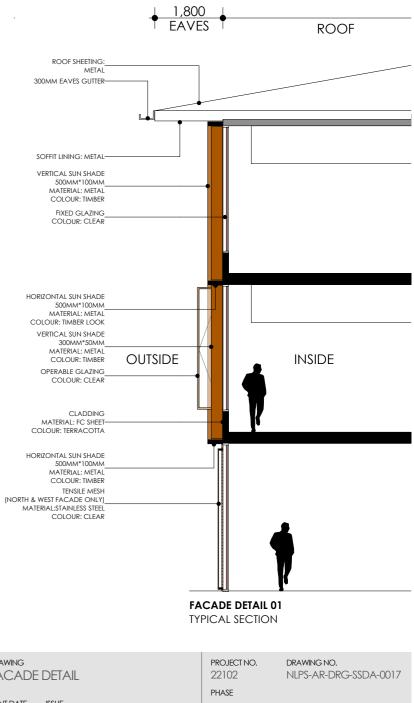
KJ KJ

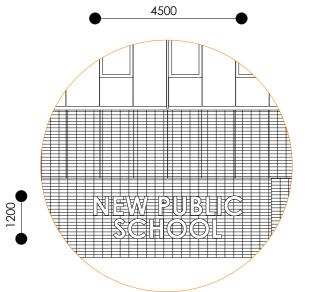
PROJECT NEW LIVERPOOL PRIMARY SCHOOL

SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170

SCALE DRAWING 1:100 @A3 FACADE DETAIL PRINT DATE 29/04/2021 ISSUE 25mm ON ORIGINAL

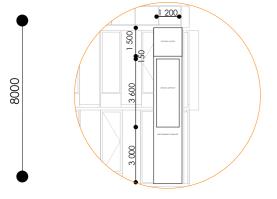






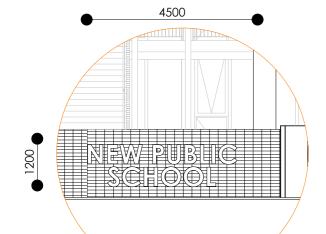
FRONT ENTRY SIGNAGE SCHOOL NAME + LOGO BRUSHED CHARCOAL METAL FINISH APPROX 1200 x 4500

1500 



### 2

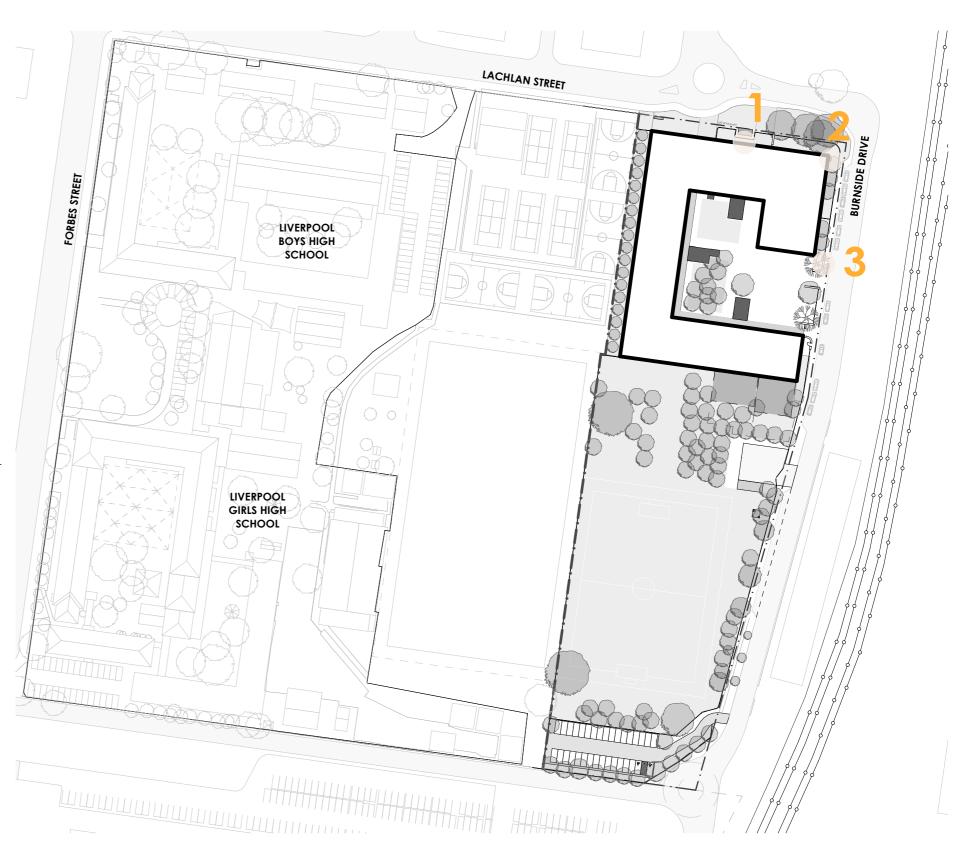
SIDE ENTRY INFORMATION SIGNAGE PYLON CHARCOAL POWERCOATED METAL CLADDING APPROX 8000 x 1500 1500 x 1200 ZONE FOR PIN FIXED SCHOOL LOGO WITH LED BACK LIGHTING 3600 x 1200 DIGITAL DISPLAY PANEL WHITE POWDERCOATED METAL WAYFINDING LETTERING



SIDE ENTRY DROP OFF ZONE SIGNAGE SCHOOL NAME + LOGO BRUSHED CHARCOAL METAL FINISH APPROX 4500 x 1200

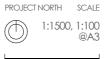


3



#### PROJECT

NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170



DRAWING WAYFINDING & SIGNAGE STRATEGY PRINT DATE ISSUE 4/05/2021 25mm ON ORIGINAL

PROJECT NO. 22102

DRAWING NO.

PHASE



# fitzpatrick +partners

THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTHORISED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY. SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PRIOR TO CONSTRUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners. REV.

DATE DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

CHK KJ KJ

PROJECT

NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170

PROJECT NORTH SCALE NOTTO SCALE

25mm ON ORIGINAL



ARTIST IMPRESSION BURNSIDE DRIVE

PROJECT NO. 22102 PHASE

drawing no. NLPS-AR-DRG-SSDA-0020





THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners.

 REV.
 DATE
 DESCRIPTION

 B
 29/04/2021
 SSD SUBMISSION

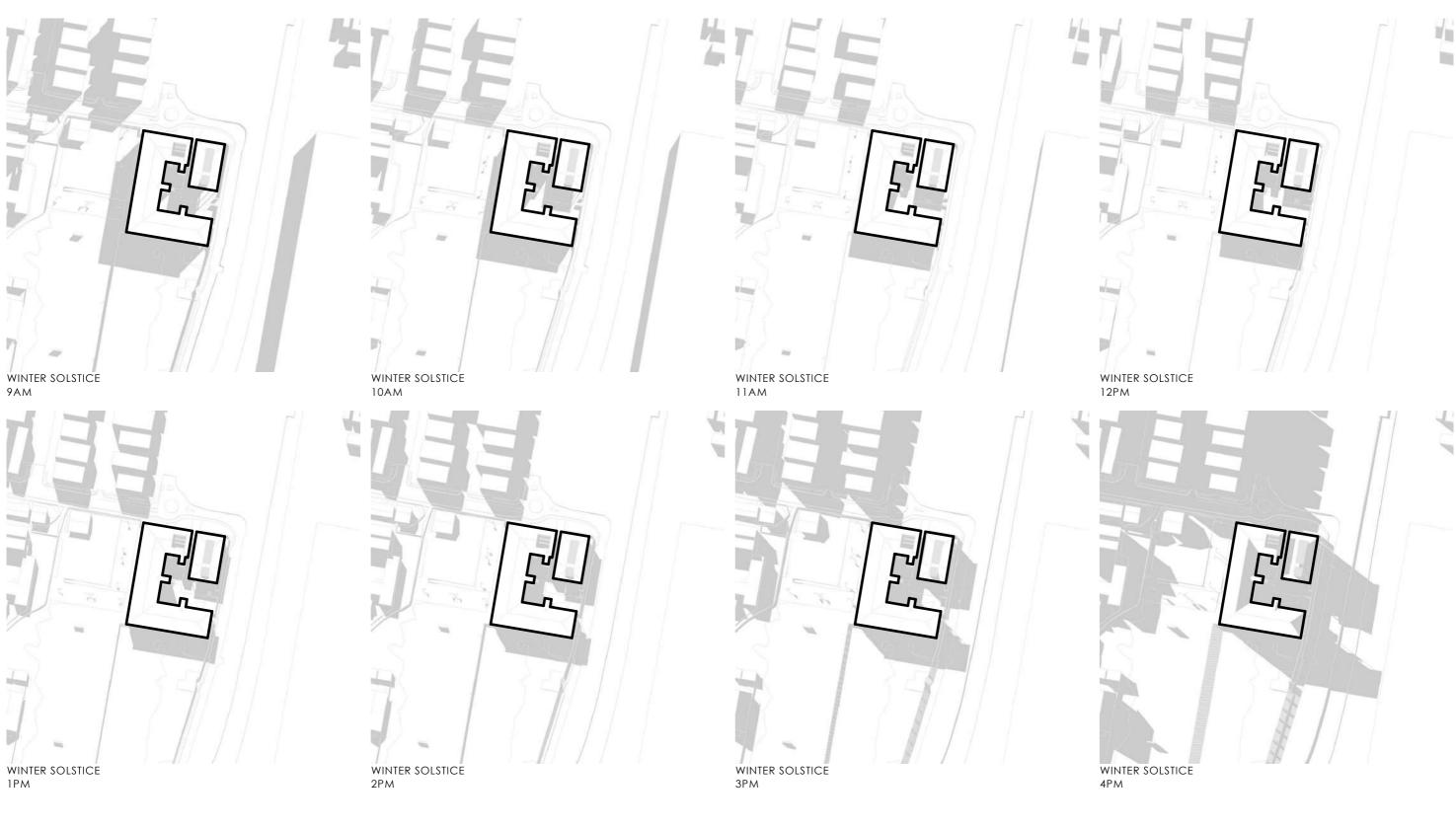
 A
 12/03/2021
 NEW DRAWING

CHK KJ KJ

PROJECT NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170 PROJECT NORTH SCALE DRAWING ARTIST IMPRESSION NOTTO SCALE PRINT DATE 29/04/2021 ISSUE 25mm ON ORIGINAL

PROJECT NO. 22102 PHASE

drawing no. NLPS-AR-DRG-SSDA-0021



THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners. REV. DATE

DATE DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

PROJECT CHK KJ KJ

NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170

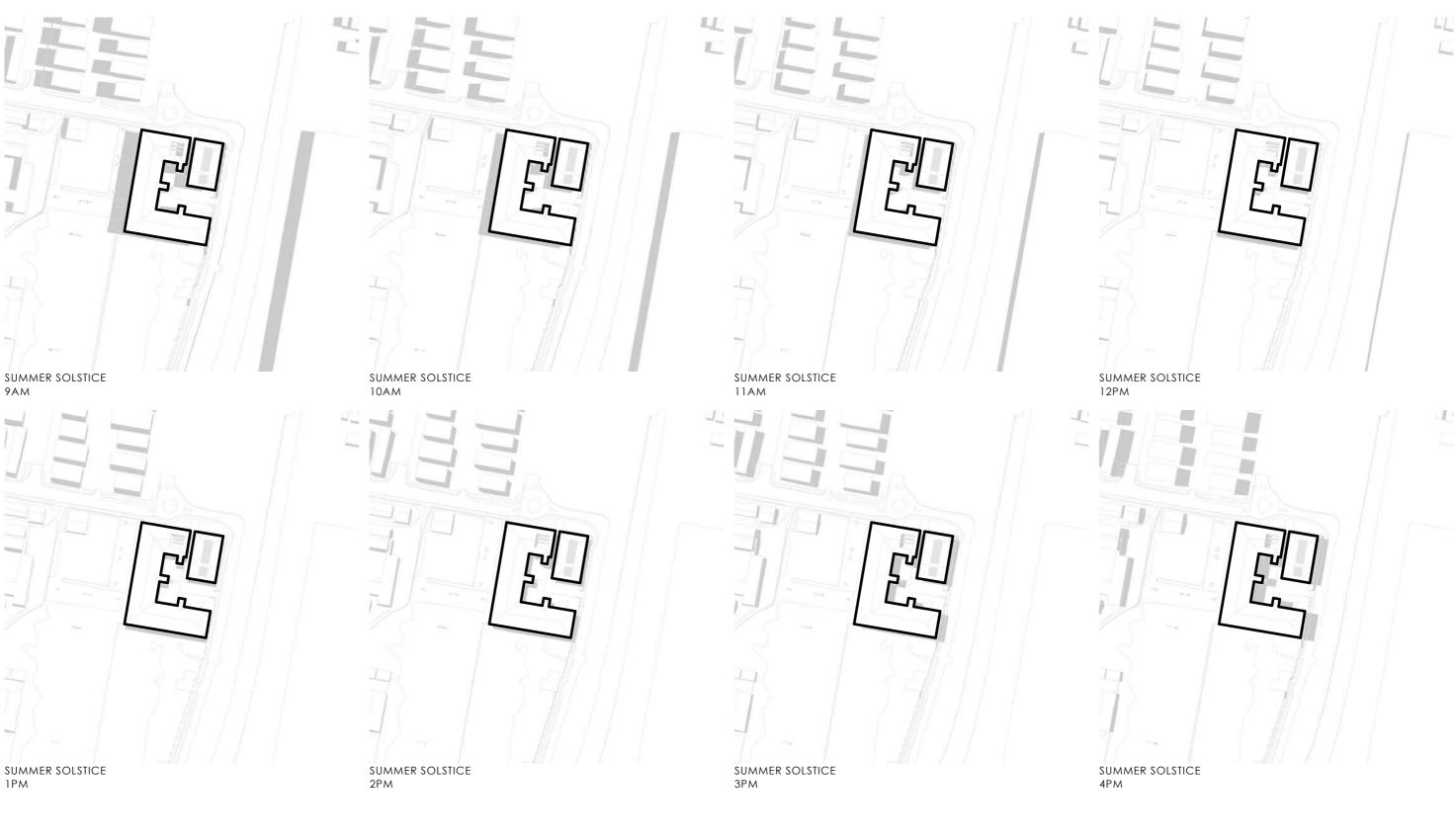


SUN SHADOW DIAGRAMS SHEET 01

PROJECT NO. 22102 PHASE

DRAWING NO. NLPS-AR-DRG-SSDA-0022

ISSUE



THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPIED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTH-ORRED PERSON EITHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE RROVIDED FOR APPROVAL PROR TO CONSTUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners. REV. DATE

DATE DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING

CHK KJ KJ

PROJECT NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER FORBES STREET LIVERPOOL NSW 2170 PROJECT NORTH SCALE DRAWING NOT TO SCALE PRINT DATE 29/04/2021 25mm ON ORIGINAL

SUN SHADOW DIAGRAMS SHEET 02

PROJECT NO. 22102 PHASE

DRAWING NO. NLPS-AR-DRG-SSDA-0023

ISSUE



-MATERIAL: BRICK COLOUR: BEIGE



& SECURE GATE

BRICK: BEIGE



COLOUR: BLACK

FC SHEET

THIS DRAWING IS ISSUED UPON THE CONDITION IT IS NOT COPED, REPRODUCED, RETAINED OR DISCLOSED TO ANY UNAUTHORRED PERSON ETHER WHOLLY OR IN PART WITHOUT PRIOR CONSENT IN WRITING OF fitzpatrick+partners. DO NOT SCALE DRAWINGS, CHECK DIMENSIONS BEFORE COMMENCING WORK. DRAWINGS SHOW DESIGN INTENT ONLY, SHOP DRAWINGS ARE TO BE PROVIDED FOR APPROVAL PROR TO CONSTRUCTION ORMANUFACTURE. INCONSISTENCIES ARE TO BE REPORTED TO fitzpatrick + partners. DATE DESCRIPTION 29/04/2021 SSD SUBMISSION 12/03/2021 NEW DRAWING REV. DATE B A

METAL SUNSHADE: TIMBER PATTERN





METAL SOFFIT: GREY

PROJECT NEW LIVERPOOL PRIMARY SCHOOL SOUTHERN SUBURBS CLUSTER

COLOUR: GREY

PROJECT NORTH SCALE NOT TO SCALE @A3 25mm ON ORIGINAL



CHK KJ KJ

FORBES STREET LIVERPOOL NSW 2170

COLOUR: TERRACOTTA

(NORTH & WEST FACADE ONLY) MATERIAL:STAINLESS STEEL

PROJECT NO. 22102 PHASE

DRAWING NO. NLPS-AR-DRG-SSDA-0024