Attachment A

Selected Drawings

MISSENDEN + MARSDEN HOUSING

Title:	**SHOP TOP HOUSING**
Address:	**21 MISSENDEN RD, CAMPERDOWN**
Client:	**STC & Co PTY LTD**
Project:	**1022**
Stage:	**DEVELOPMENT APPLICATION (DA/2020/917)**
Title:	**4-Mar-21**

224 riley street, surry hills nsw australia 2010
t: +61 2 9211 0000 environastudio.com.au

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MISSENDEN + MARSDEN HOUSING

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Address: **21 MISSENDEN RD, CAMPERDOWN**
Client: **STC & Co PTY LTD**
Project: **1022**
Stage: **DEVELOPMENT APPLICATION (DA/2020/917)**
Title: **4-Mar-21**

GENERAL NOTES

All work as shown in the drawings and schedule, including all necessary work even if not drawn or scheduled.
Refer all queries and discrepancies to the architects.
All measurements in mm unless noted otherwise.

Standard of Work and Regulations
All work to be carried out in accordance with:
- Building Code of Australia 2019 **volume 1**
- AS Codes
- Conditions of Council
- Conditions of service supply authorities
- All relevant Australian Standards including, but not limited to the standards listed below.

Site Survey
Provide registered surveyor report at bearer + joist stage.

Demolition and Recycled Material
Demolition will be carried out in accordance with AS2601-2001 *The Demolition of Structures'* . Any Asbestos material shall be removed in accordance with NSW Work Cover Authority requirements and accredited individuals.

Site management
No building activities on Council land.
Establish sediment controls as required by all aurthorities

Earthworks and excavation
All work to be carried out in accordance with the following:
Australian Standard AS2870

Stormwater Disposal
All work to be carried out in accordance with the following:
Australian Standard AS/NZ3500.3.2

Termite Protection
All work to be carried out in accordance with the following:
BCA Part B1
Termite protection in accordance AS3660.1

Footings, Slab Design and Retaining Walls
All work to be carried out in accordance with the engineer's drawings and specifications and the following,
BCA Part B1 and Australian Standard AS2870

Masonry Construction
All work to be carried out in accordance with the following:
BCA Part B1.4 and Australian Standard AS3700

Structural Steel Framing
All work to be carried out in accordance with the engineer's drawings and specifications and the following:
BCA Part B1.4, Australian Standard AS1250 and AS3623

Timber Framing
All work to be carried out in accordance with the following:
BCA Part B1.4 and Australian Standard AS1684
All timber to be from sustainable sources as follows: plantation and/or recycled timbers, the framing shall be in plantation Radiata Pine or NZ Douglas Fir, all structural timer shall be plantation grown glue laminated timber and all flooring shall be from recycled timber or bamboo T+G flooring.

Roof Cladding
All work to be carried out in accordance with the following:
BCA Part B1.4, specification B1.2, BCA Part F1.5 and Australian Standard AS1562.1

Roof Access
Roof anchorage to be installed in accordance with Australian Standard AS 1657 - 1992

Gutters and downpipes
All work to be carried out in accordance with the following:
BCA Part F1.1 and Australian Standard AS3500.3.2.

GENERAL NOTES CONT.

Wall Cladding
All work to be carried out in accordance with the following:
BCA 2016 Part C1.9

Construction of Roof, Walls and Floor
All work to be carried out in accordance with the following:
BCA Part B1.4

Ancillary Elements
All ancillary elements to wall construction to be non-combustible in accordance with BCA 2016 C1.14

Floor and Wall Linings
All floor and wall linings to comply with BCA 2016 C1.10. (note: an as iso 9239 (flooring) / as iso 9705 or as/nzs 3837 (wall linings) certificate of test compliance will be required at occupation certificate stage)

Use non-combustible elements including wall insulation tested to Australian Standard AS1530.1-1994 in accordance with BCA 2019 C1.9

Windows and Doors and Installation of Glazing
All work to be carried out in accordance with the following:
Australian Standard AS1288 or AS2047.

External Windows and Doors
All work to be carried out in accordance with the following:
BCA 2019 D2.24 BCA Part J2
Australian Standard AS 2047,

Door Latches
All door latches to be installed and operated in compliance with BCA 2019
D2.21 and Australian Standard AS 1428.1 – 2009

Window openings
Restrict window openings in accordance with with BCA 2019 D2.24 where required.

Balustrades
All balustrades and handrails in compliance with BCA 2019 D2.16 and D2.17
Sill height of windows to be a minimum 865 mm above ffl or provided with a 1000mm high bcc compliant balustrade or openings restricted in accordance with BCA 2019 D2.24.

Ventilation and Exhaust Fans
All work to be carried out in accordance with:
BCA Part F4
Australian Standard AS1668.2

Hot Water Supply System
All work to be carried out in accordance with the following:
BCA Part F2.1, Australian Standard AS/NZS 3500.4 (section 8) or cl. 3.38 of AS/NZ 3500.5.

Fire Separation
All work to be carried out in accordance with the following: BCA Part C2
Proposed openings through fire-rated elements protected in accordance with BCA 2016 specification C3.15, Australian Standard AS1530.4-2005 and Australian Standard AS4072.1-2005
Enclosure of the top and botom of the shafts required to have an FR in accordance with BCA 2019 C1.1 2.7

Fire-isolated doors
Fire isolated exit doors in accordance with BCA 2019 C3.8 automatic or selfclosing fire doors – detail provision of **- / 60 / 30** fire doors to BCA 2019 C3.8 & Australian Standard AS 1905.1 - 2005.
Signage on fire isolated stairway doors in accordance with BCA 2019 D2.23
Lift landing doors to the fire isolated lift shaft to have FRL of **- /60/-** in accordance with BCA 2016 C3.10 to operate as required by as 1735.11 and remain closed.
Lift indicator panel to have FRL of -60/60 if greater than 35,000mm2 in area
Ensure FRL of - / 60 / 30 fire doors to SOU entries and doors of rooms opening into common areas / separating carparks to BCA 2019 C3.11 & Australian Standard AS 1905.1 -2005

GENERAL NOTES CONT.

Smoke Alarms
All work to be carried out in accordance with the following:
BCA Part EP2.1, and Australian Standard AS 3786

Portable Fire Extinguishers
Portable fire extinguisher installation to be carried out in accordance with BCA 2019 E1.6 and Australain Standard AS 2444 – 2001

Lift
Lift installation to comply with BCA 2019 C3.10, BCA 2019 E3, specification E3.1 & Australian Standard AS 1735
Lift warning sign " do not use lifts if there is a fire" in accordance with BCA 2019 E3.4
Lift features in accordance with BCA 2019 E3.4(b), BCA 2019 E3.6 and Australian Standard AS 1735.12

Signage
Signage where required. All work to be carried out in accordance with Australian Standard AS 1428.1 – 2009..

Tactile indicators
Tactile indicators where required. All work to be carried out in accordance with AS 1428.1 -2009

Building Fabric Thermal Insulation
All work to be carried out in accordance with the following:
BCA Part J1.2
Australian Standard AS/NZS4859.1
BASIX compliance
Specifically the insulation values shall be a minimum total of R3.0 for all roofs and ceilings, and R1.5 for walls.

Sound Insulation
All work to be carried out in accordance with the following:
BCA Part F5

Waterproofing of Wet Areas
External waterproofing system in compliance with BCA 2019 FP1.4 & Australian Standard AS 4654 .1 & 2 – 2012
Window installation to comply with BCA 2019 FP1.4 – provide verification that window installation, head or sill flashings, waterproof fillet jointing, storm mould and window head or reveal junction sealing complies with wall and window system manufacturers specification.
Barriers and flashing installed to prevent ingress of water to the building in accordance with BCA 2019 F1.9
All work to be carried out in accordance with the following:
BCA Part F1.7, and Australian Standard AS3740-2010
Waterproof vapour barrier to slabs in accordance with BCA 2019 F1.10 and Australian Standard AS2870-2011

Facilities (Health and Amenity)
All work to be carried out in accordance with the following:
BCA Part F2.1 and Australian Standard AS 1668.2
Outward swinging or removable sanitary compartment doors in accordance with BCA 2016 F2.5 where the doorway is located less than 1200mm from the pan.
Sanitary facility numbers in accordance with BCA 2019 F2.1 and F2.3

Hydraulics
All tapware and plumbing fixtures shall be rated in accordance with BASIX.
Hot water service pipes shall be provided with insulation in accordance with Australian Standard AS 3500
Floor wastes to each bathroom / laundry in accordance with BCA 2019 F1.11

Stairs
Dimension of treads and risers compliant with BCA 2019 D2.13
Treads to have a surface slip resistance rating specified under table D2.14
A contrasting coloured non-slip nosing strip in accordance with table D2.24 slip resitance and Australian Standard AS1428.1-2009

Tiles
All new tiles to floor surfaces be selected and installed in accordance with SA HB
198 – 2014 and certified by test report to comply with BCA table D2.14 and or Australian Standard AS 4586 - 2016

DRAWING LIST

DWG	TITLE	ISSUE
000	**PRE-CONSTRUCTION INFORMATION**	
000	PHOTOMONTAGE	M
100	**PLANS, SECTIONS + ELEVATIONS**	
101	LEVEL 1 FLOOR PLAN 1:100	M
102	LEVEL 1A FLOOR PLAN 1:100	M
103	LEVEL 2 FLOOR PLAN 1:100	M
104	LEVEL 3 FLOOR PLAN 1:100	M
105	LEVEL 4 FLOOR PLAN 1:100	M
106	LEVEL 5 FLOOR PLAN 1:100	M
107	LEVEL 6 FLOOR PLAN 1:100	M
110	ROOF PLAN 1:100	M
120	SECTION AA 1:100	M
121	SECTION BB 1:100	M
122	SECTION CC 1:100	M
130	NORTH ELEVATION 1:100	M
131	SOUTH ELEVATION 1:100	M
132	EAST ELEVATION 1:100	M
133	WEST ELEVATION 1:100	M
134	WINDOW AND LOUVRE DETAILS 1:50	M
200	**SCHEDULES**	
210	MATERIALS + FINISHES SCHEDULE	M
220	WASTE MANAGEMENT PLAN	M
900	**NON-CONSTRUCTION INFORMATION**	
901	SITE ANALYSIS PLAN	M
902	EXISTING / DEMOLITION PLAN	M
910	PERSPECTIVES SHEET 1	M
911	PERSPECTIVES SHEET 2	M
912	PERSPECTIVES SHEET 3	M
920	SHADOW DIAGRAMS - JUNE 21	M
921	SHADOW DIAGRAMS - SEPT 23	M
922	SHADOW DIAGRAMS - DEC 21	M
923	SHADOW DIAGRAMS - NO.23-33 - JUNE 21	M
924	SHADOW DIAGRAMS - NO.23-33 - JUNE 21	M
925	SHADOW DIAGRAMS - NO.23-33 - APR/AUG 22	M
926	SHADOW DIAGRAMS - NO.23-33 - APR/AUG 22	M
927	SOLAR ACCESS STUDY - LIVING	M
928	SOLAR ACCESS STUDY - POS	M
940	BASIX COMMITMENTS	M
950	PRE+POST ADAPTATION PLAN	M
980	AREA CALCULATION SHEET 1	M
981	AREA CALCULATION SHEET 2	M
982	AREA CALCULATION SHEET 3	M

01 PHOTOMONTAGE
NTS

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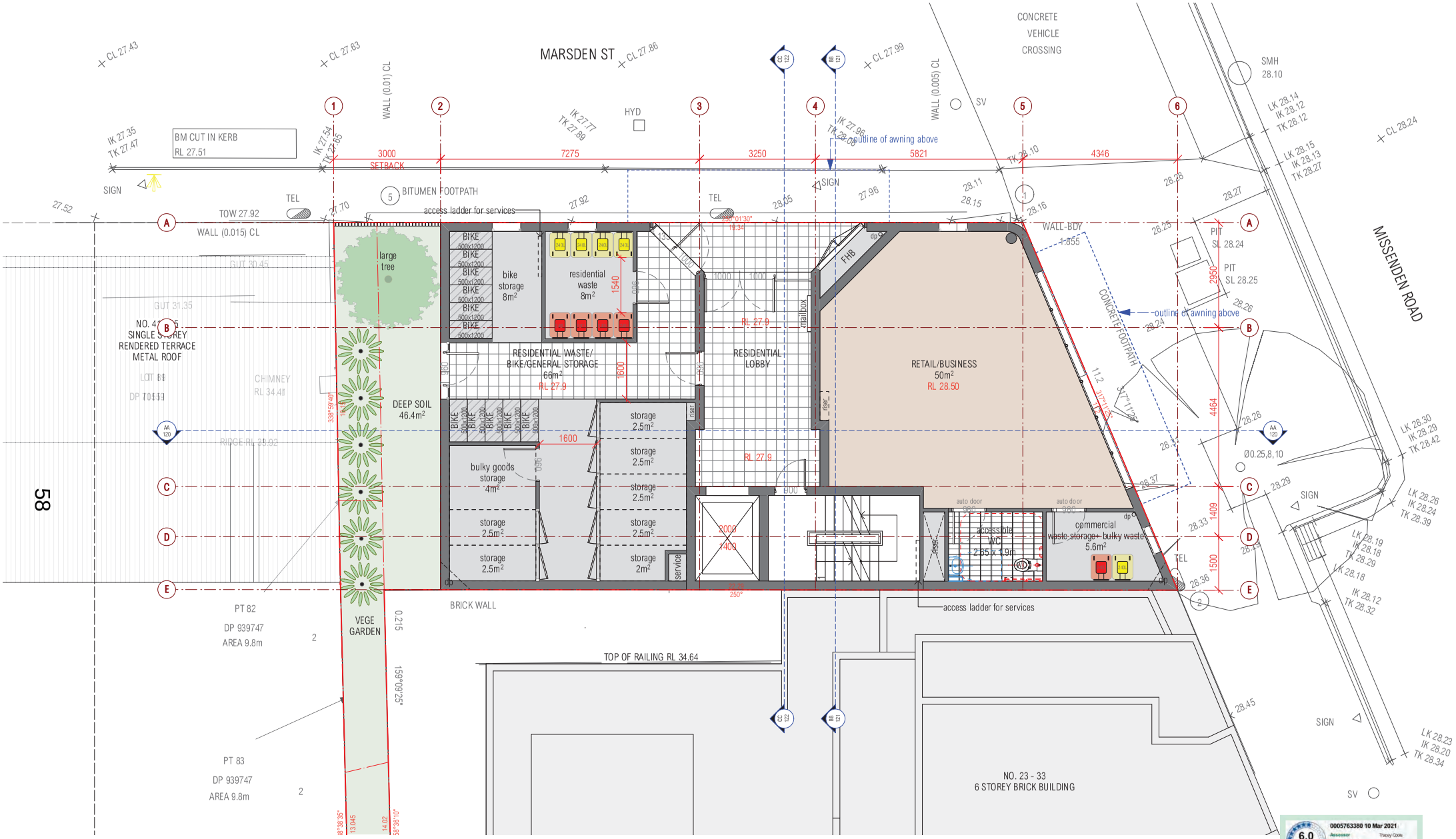
environa studio
224 riley st surry hills 2010
t: 02 9211 0000
w: www.environastudio.com.au
architects registration number 6239

project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	PHOTOMONTAGE	DA	1022	001
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	FLOOR PLAN	TW / LT	4/3/21	M



01 LEVEL 1 - COMMERCIAL
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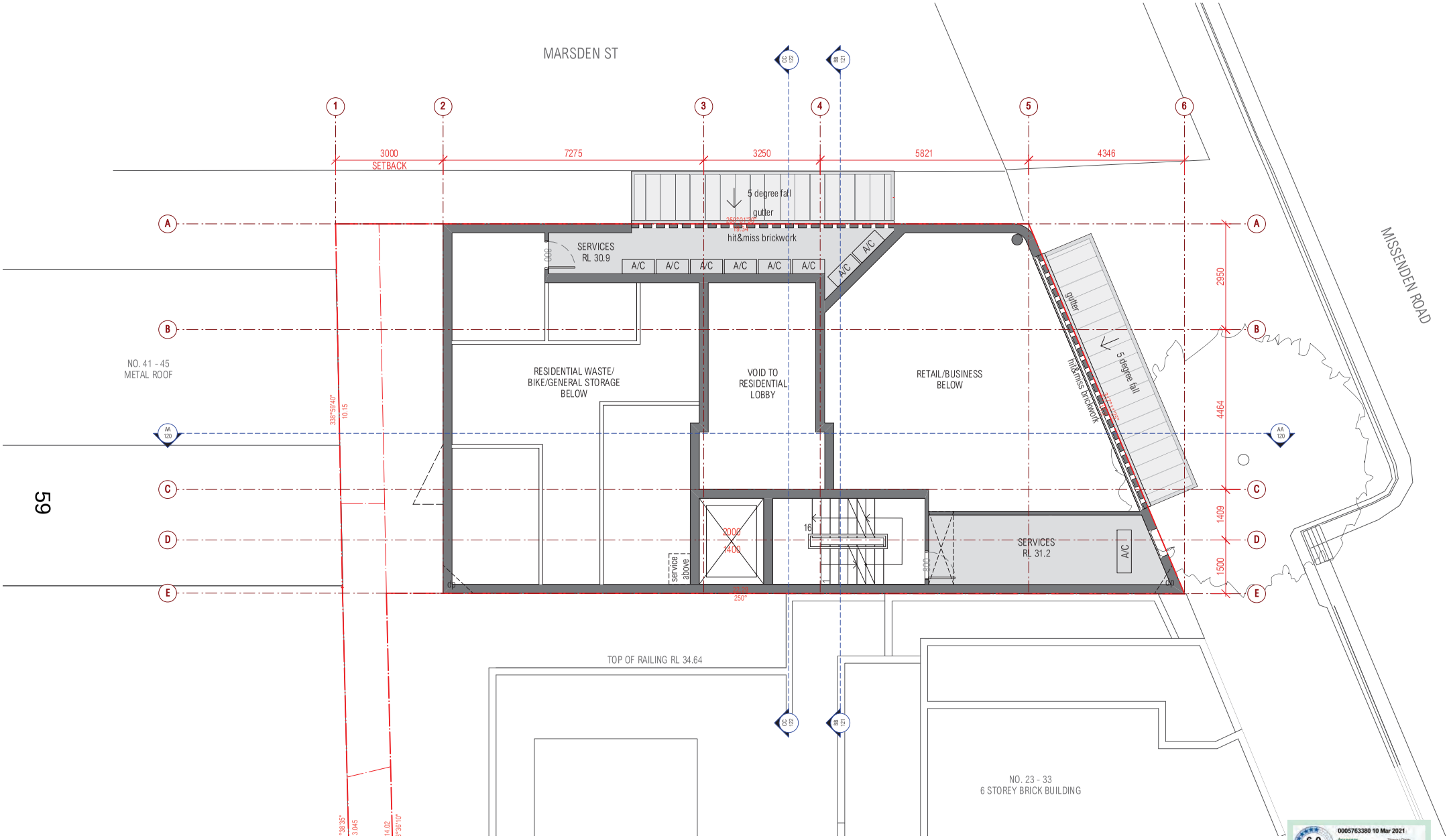
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	LEVEL 1	DA	1022	101
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	FLOOR PLAN	TW / LT	4/3/21	M



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01 LEVEL 1A
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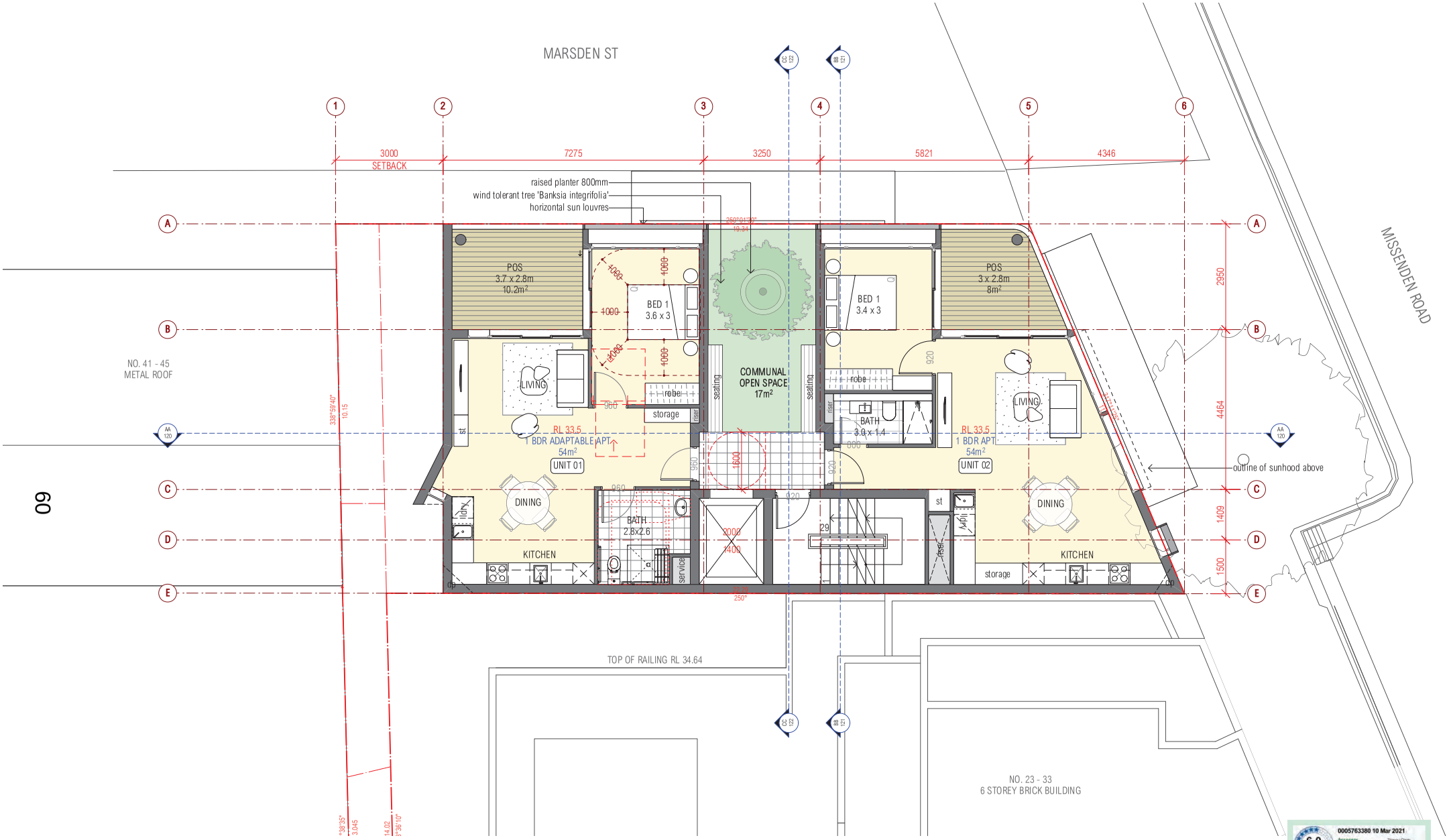
SHOP TOP HOUSING	21 MISSENDEN RD	LEVEL 1A	DA	1022	102
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	FLOOR PLAN	TW / LT	4/3/21	M



01 LEVEL 2
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SHOP TOP HOUSING	21 MISSENDEN RD	LEVEL 2	DA	1022	103
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
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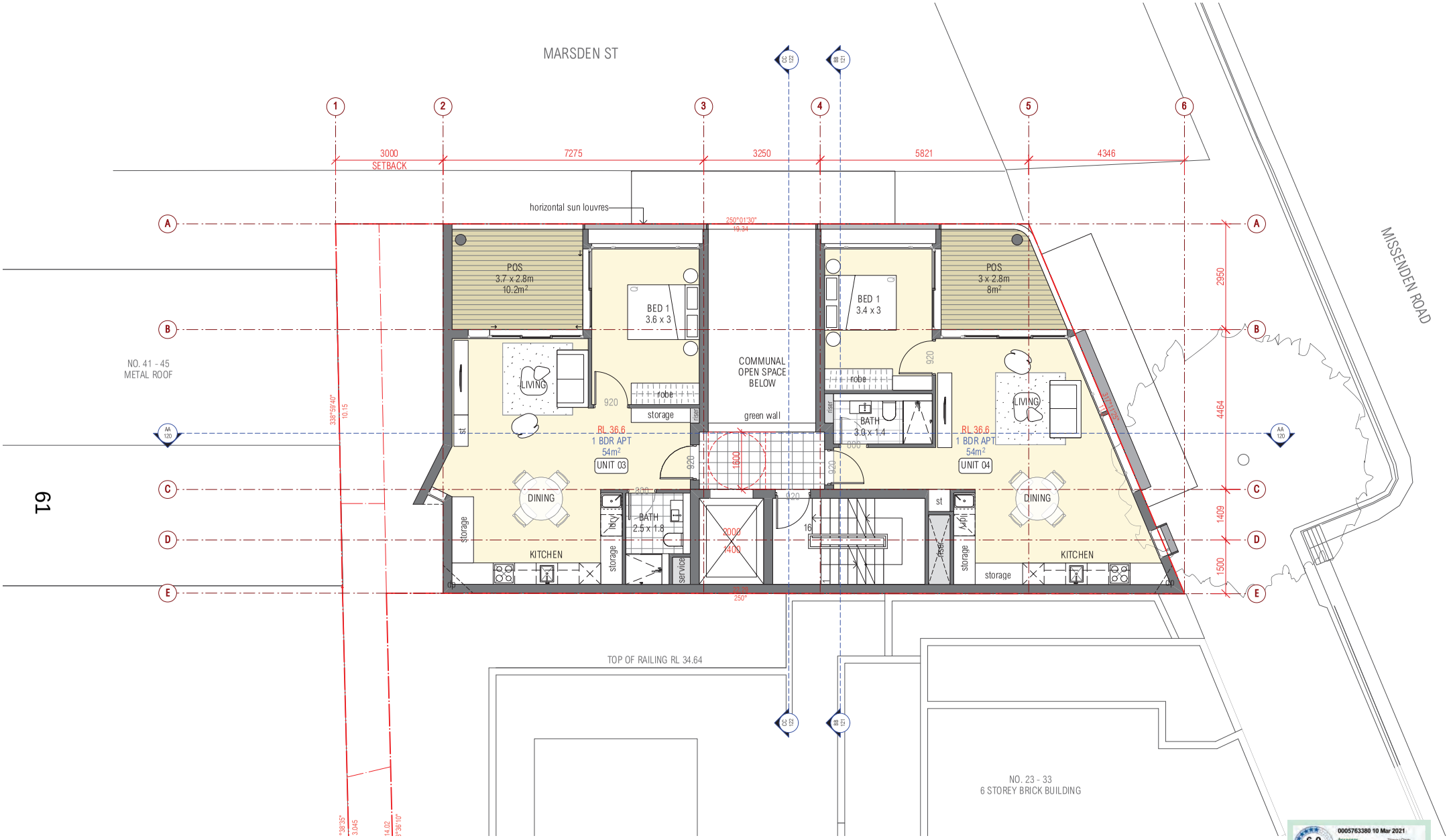

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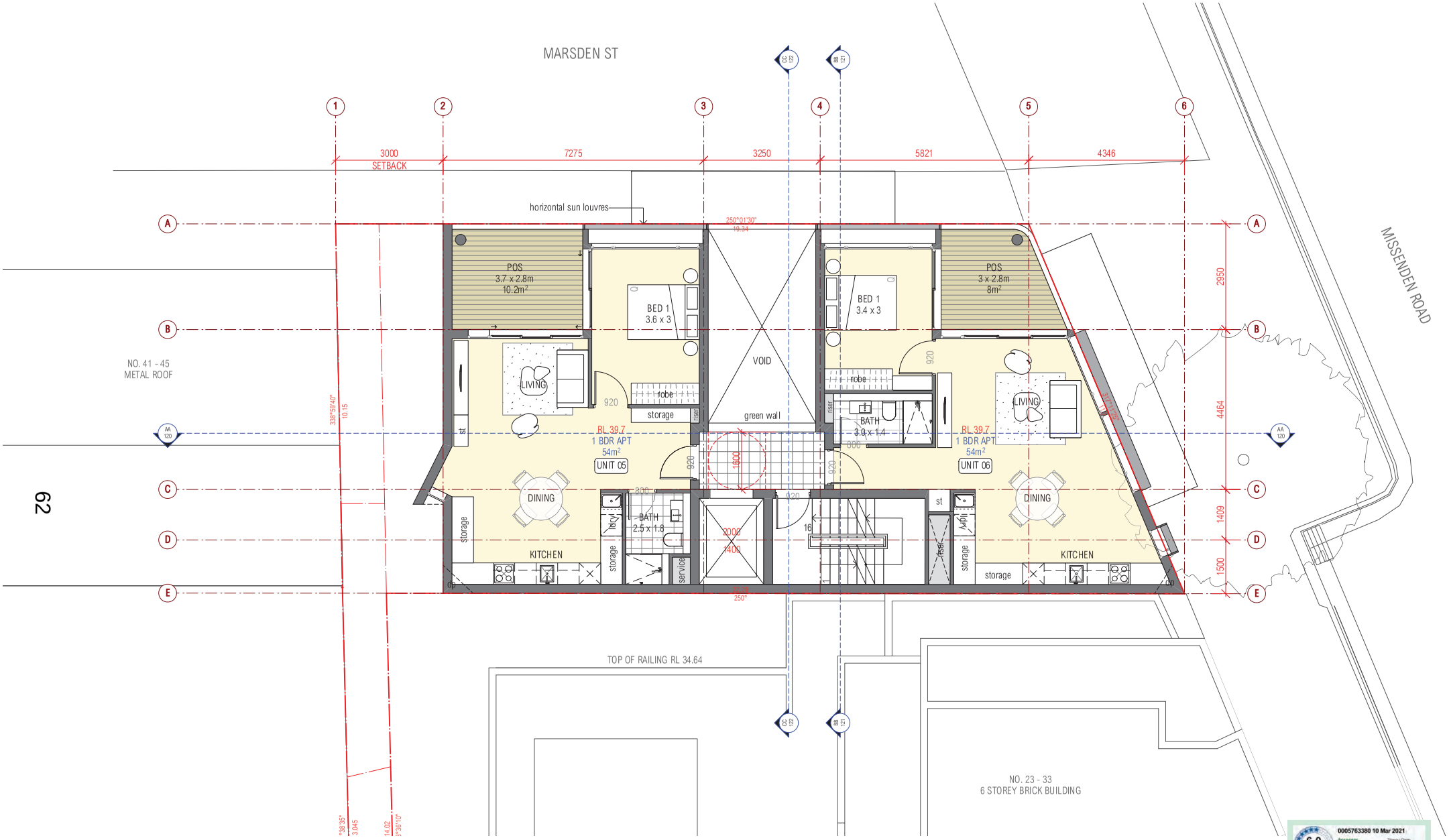
SHOP TOP HOUSING	21 MISSENDEN RD	LEVEL 3	DA	1022	104
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	FLOOR PLAN	TW / LT	4/3/21	M



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project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	LEVEL 4	DA	1022	105
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
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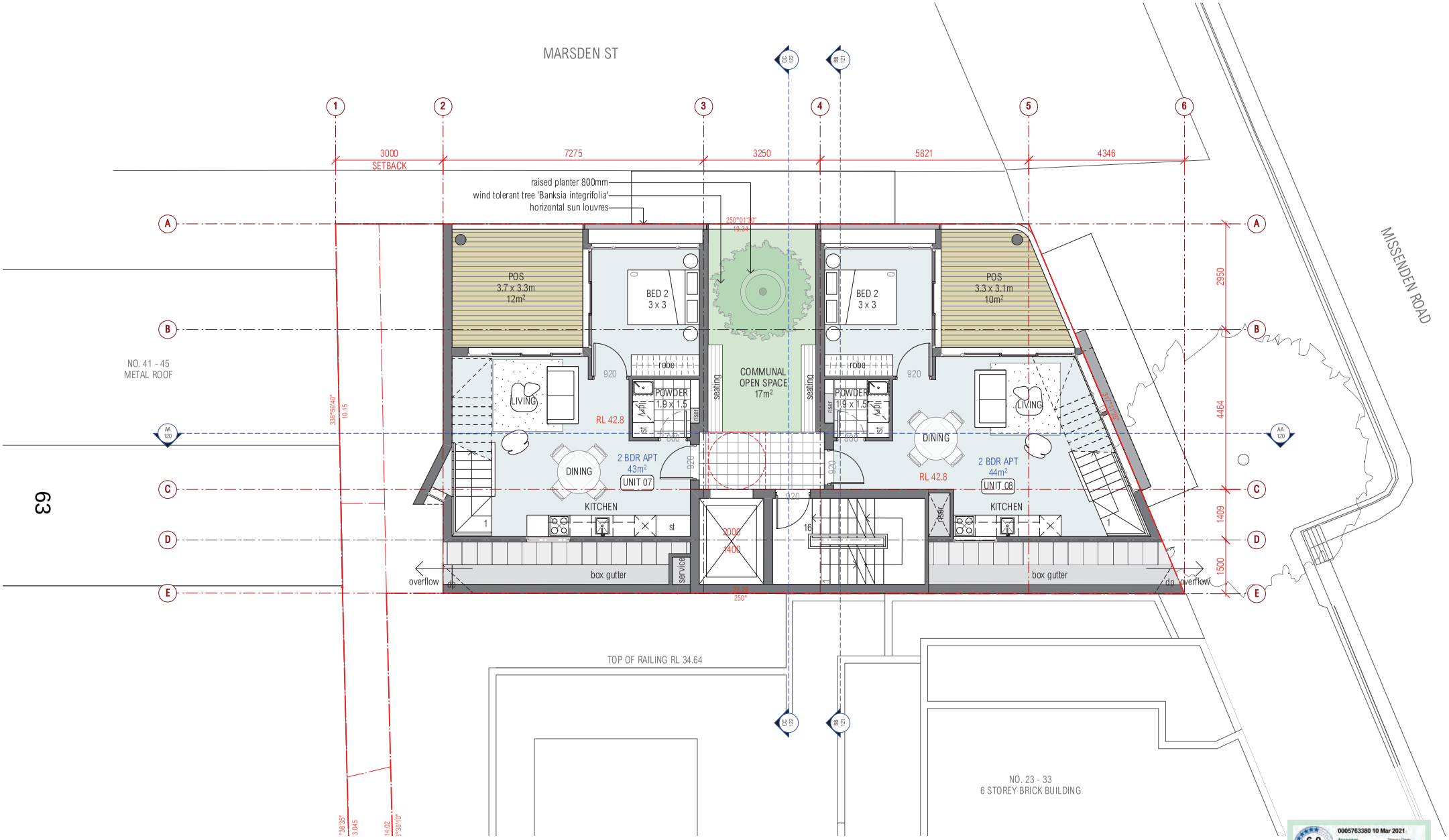

01 LEVEL 5
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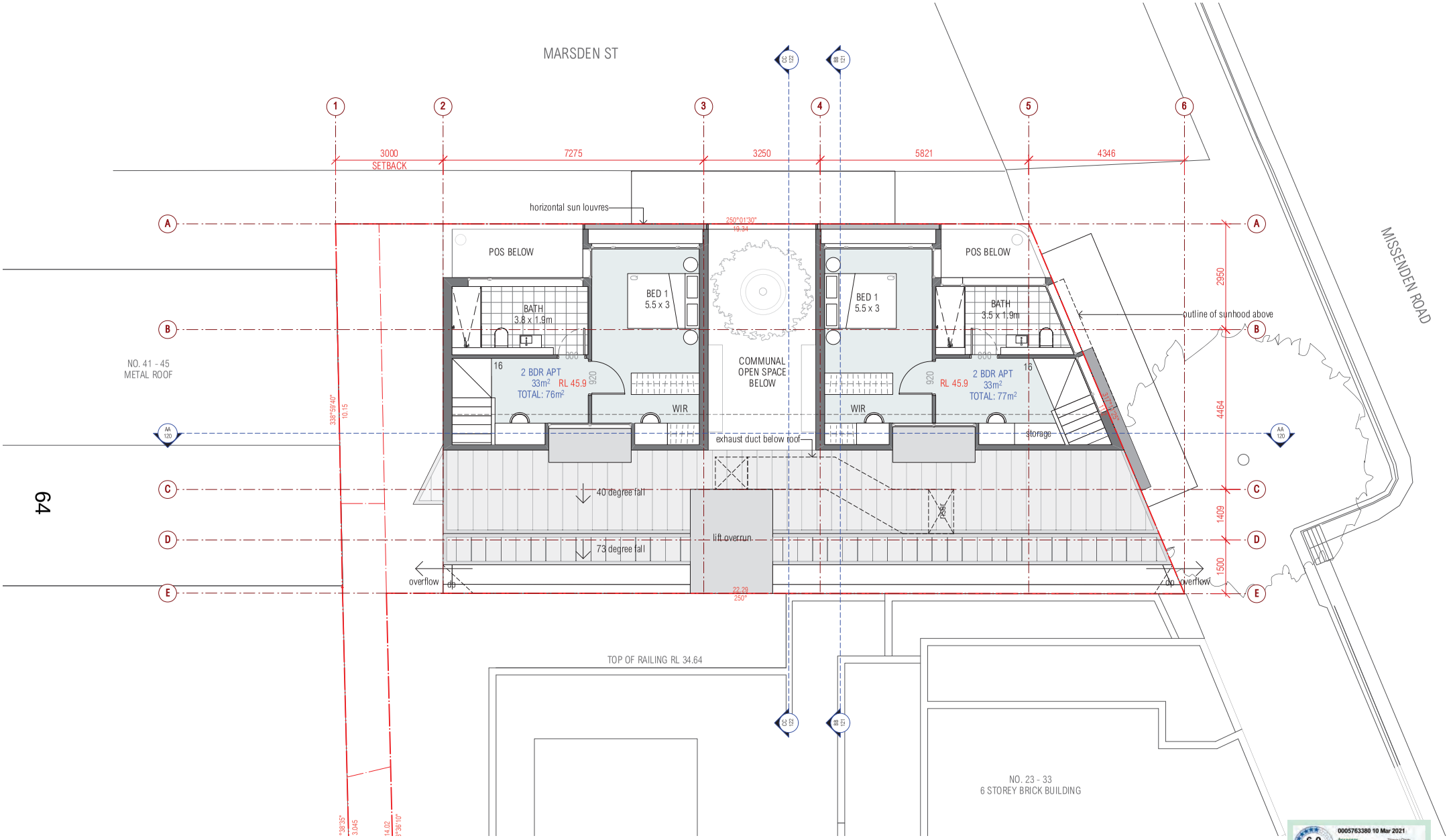
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	LEVEL 5	DA	1022	106
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	FLOOR PLAN	TW / LT	4/3/21	M



01 LEVEL 6
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notes	rev	date	amendment	rev	date	amendment
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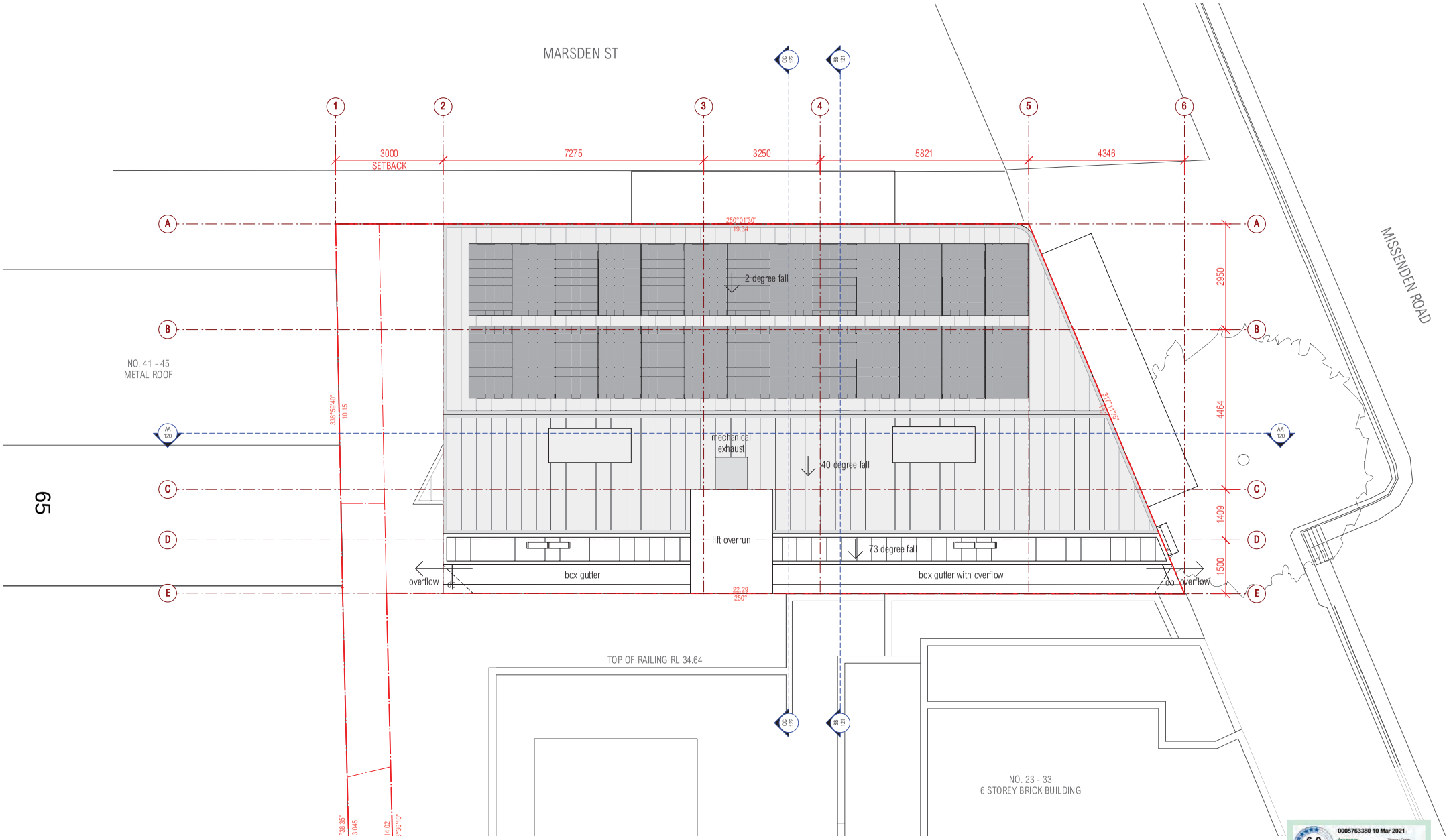
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	LEVEL 6	DA	1022	107
for/client	at	drawing	chkd / drwn	date	revision
STC & Co PTY LTD	CAMPERDOWN	FLOOR PLAN	TW / LT	4/3/21	M



01 ROOF PLAN
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	G	02/09/20	issue to consultants for comment	K	16/02/21	issue to council
	G	04/09/20	issue to consultants for comment	L	03/03/21	issue to council
	H	07/09/20	issue to council - d.a submission	M	04/03/21	issue to council

environa studio
224 riley st surry hills 2010
t: 02 9211 0000
w: www.environastudio.com.au
architects registration number 6239

project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	ROOF	DA	1022	110
for/client	at	drawing	chkd / drwn	date	revision
STC & Co PTY LTD	CAMPERDOWN	FLOOR PLAN	TW / LT	4/3/21	M

01 SECTION AA
1:100 @ A3

notes	rev	date	amendment	rev	date	amendment
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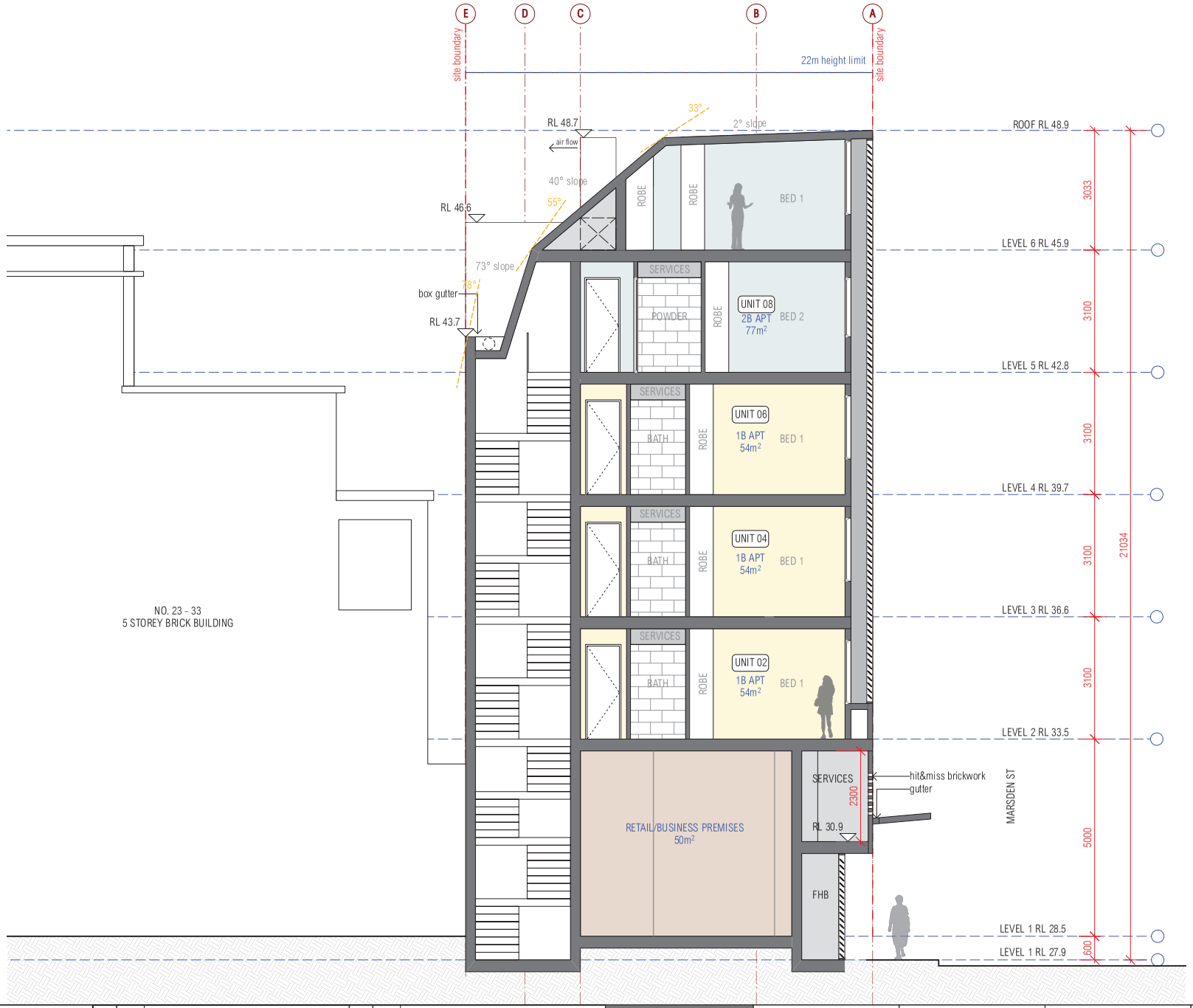
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SECTION AA	DA	1022	120
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	SECTION	TW / LT	4/3/21	M



01 SECTION BB
1:100 @ A3

notes	rev	date	amendment	rev	date	amendment
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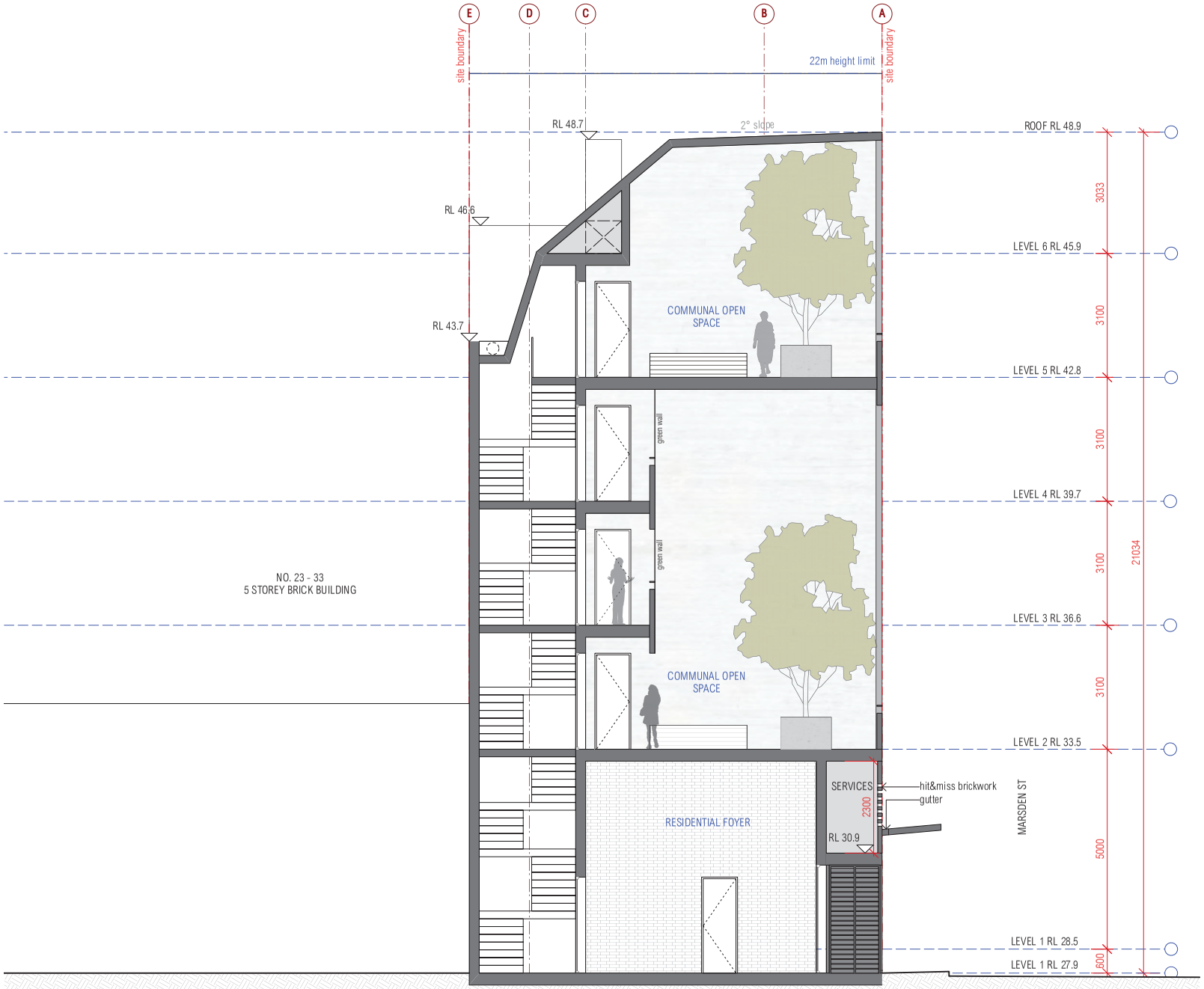
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SECTION BB	DA	1022	121
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	SECTION	TW / LT	4/3/21	M



01 SECTION CC
1:100 @ A3

notes	rev	date	amendment	rev	date	amendment
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project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SECTION CC	DA	1022	122
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	SECTION	TW / LT	4/3/21	M

01 NORTH ELEVATION
1:100 @ A3

0005763380 10 Mar 2021
6.0 Average star rating
NATHERS HOUSE
www.nathers.gov.au
Assessor: Tracey Cooke
Accreditation No.: HERA10003
Address: 21 Missenden Road, Camperdown, NSW, 2050
hstar.com.au

notes	rev	date	amendment	rev	date	amendment
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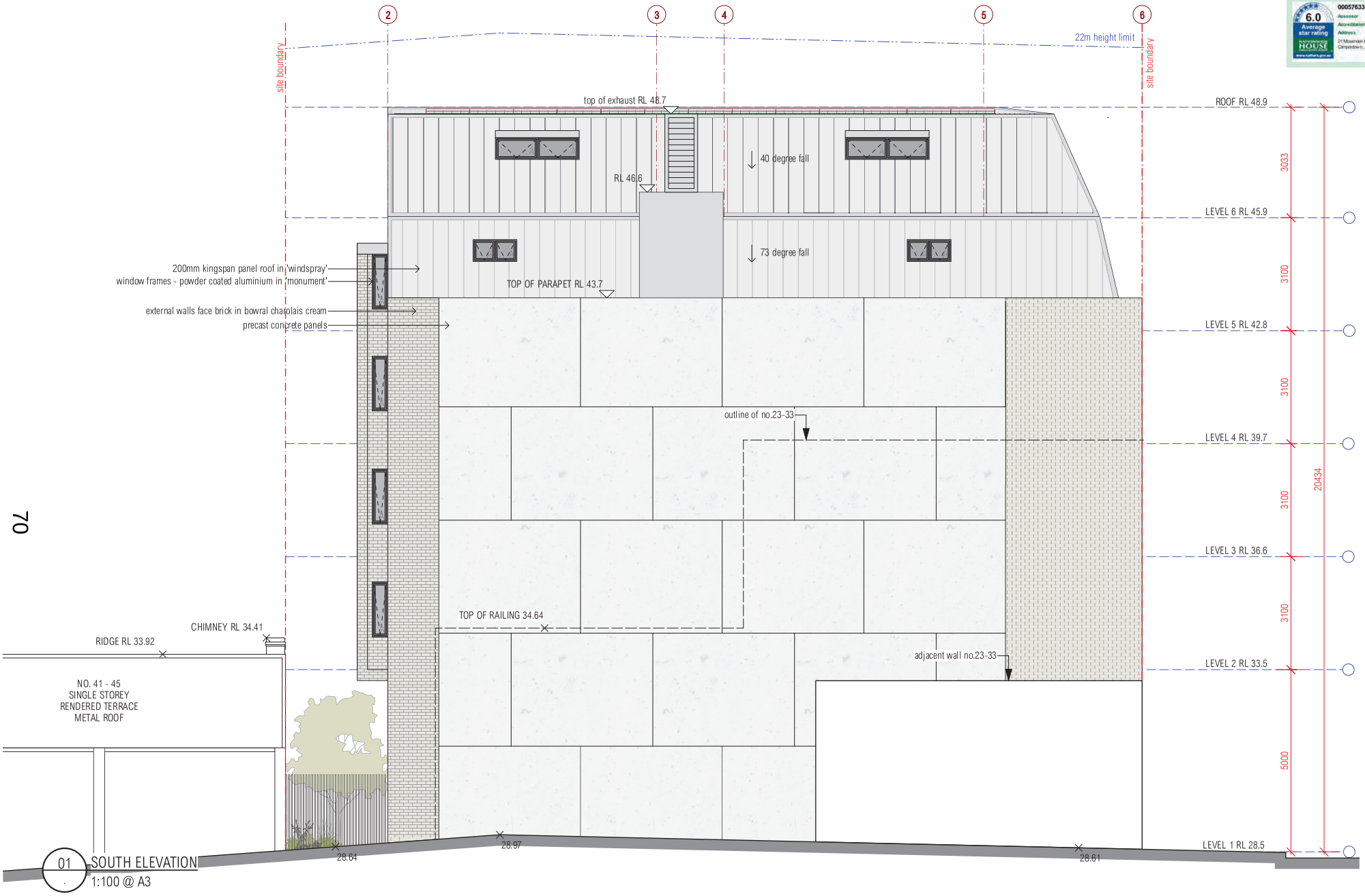
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	NORTH ELEVATION	DA	1022	130
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	ELEVATION	TW / LT	4/3/21	M



01 SOUTH ELEVATION
1:100 @ A3

notes	rev	date	amendment	rev	date	amendment
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project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SOUTH ELEVATION	DA	1022	131
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	ELEVATION	TW / LT	4/3/21	M

01 EAST ELEVATION
1:100 @ A3

notes	rev	date	amendment	rev	date	amendment
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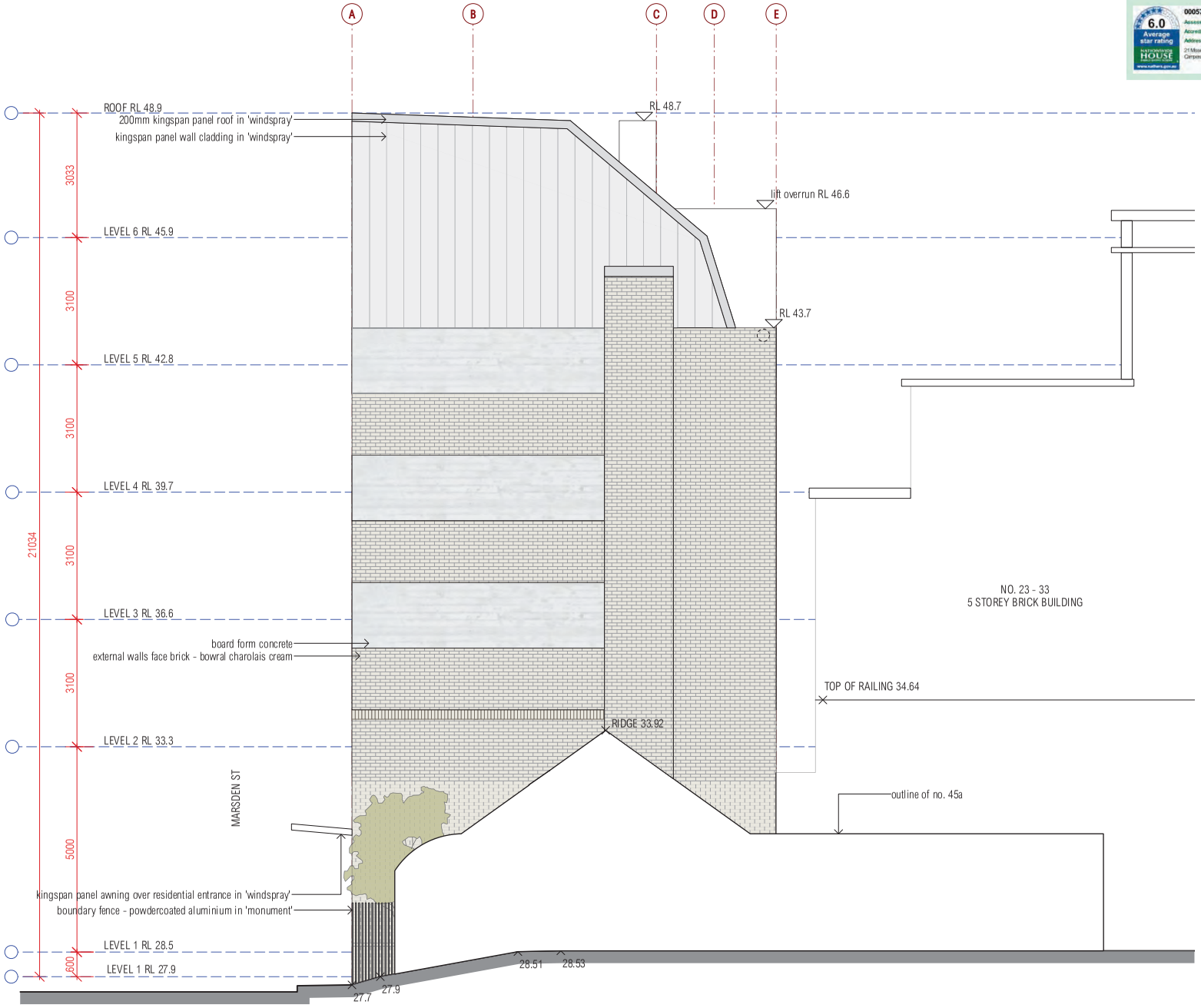
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	EAST ELEVATION	DA	1022	132
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	ELEVATION	TW / LT	4/3/21	M



01 WEST ELEVATION
1:100 @ A3

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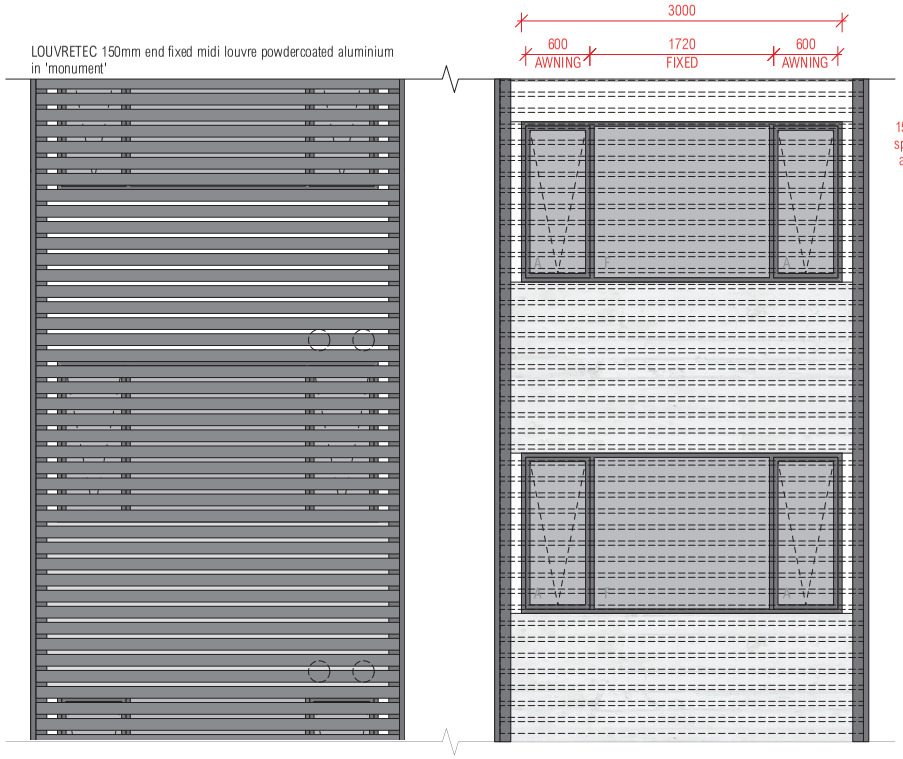
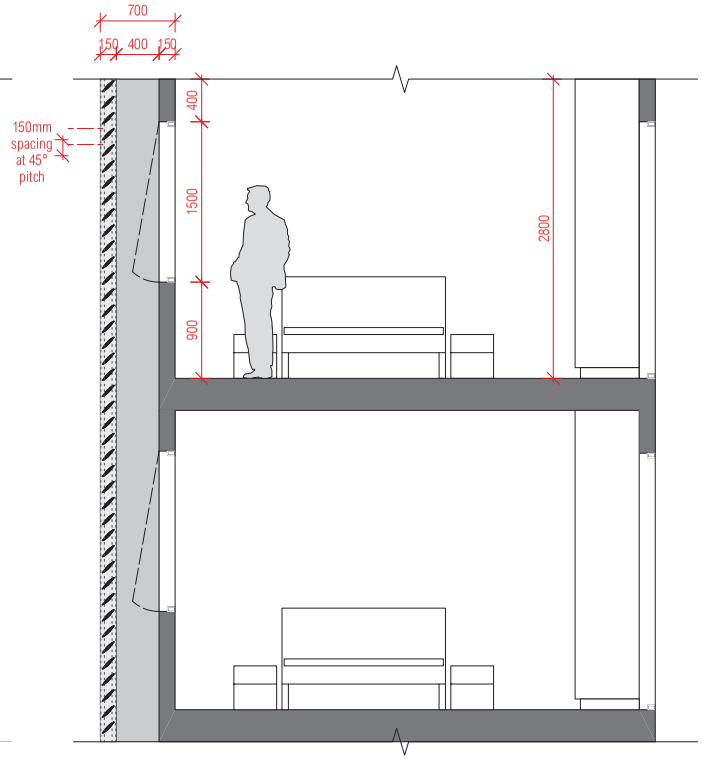
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	WEST ELEVATION	DA	1022	133
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	ELEVATION	TW / LT	4/3/21	M



01 BEDROOM LOUVRE ELEVATION
1:50 @ A3



02 BEDROOM LOUVRE SECTION
1:50 @ A3

notes	rev	date	amendment	rev	date	amendment
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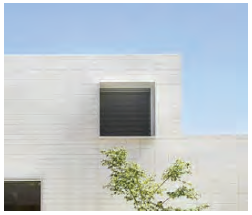
architects registration number 6239

project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	WINDOW AND LOUVRE DETAIL	DA	1022	134
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M

		EXTERNAL ITEMS	MATERIAL	COLOUR CODE (NAME)
		EXTERNAL WALLS	FACE BRICK	bowral - charalois cream
		EXTERNAL WALLS	BOARD FORM CONCRETE	concrete colour
		ROOF, GUTTERS, DOWNPIPES	COLORBOND steel	"windspray"
		EXTERNAL WALLS	MOROKA render finish	DULUX "monument"

		EXTERNAL ITEMS	MATERIAL	COLOUR CODE (NAME)
		BALUSTRADE	COLORBOND steel	"monument"
		DOOR FRAMES WINDOW FRAMES, LOUVRES, SUNHOOD	POWDER COATED ALUMINIUM	"monument"
		DECKING	MODWOOD	"natural grey collection" silver gum

74

notes	rev	date	amendment	rev	date	amendment
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project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	MATERIALS AND FINISHES SCHEDULE	DA	1022	210
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M

WASTE MANAGEMENT PLAN

PROJECT: SHOP TOP HOUSING
ADDRESS: 21 MISSENDEN RD, CAMPERDOWN
COUNCIL: CITY OF SYDNEY
DATE: 4-Mar-21

MATERIALS	SOURCE	EST. QUANTITY Volume cum	Area sqm	weight tonne	ONSITE RECYCLING	OFF SITE RECYCLING	OFF SITE DISPOSAL
DEMOLITION STAGE							
Green waste	Trees shrubs removed				All small branches and leaves chipped for mulch.	Mulch to garden recyclers. Large trunks recycled for timber salvage.	
Bricks	existing building		30.00		Full bricks retained and set aside for reuse.	Broken bricks stored for collection to crushing.	
Concrete blocks	existing building		20.00		Full blocks set aside for reuse.	Broken bricks sent to collection for crushing to road base at Waste Transfer Station.	
Concrete	existing building		140.00		Nil	Slabs/footings broken up on site, stored for collection for crushing as road base.	To Waste Transfer Station that recycles building waste.
Timber framing	existing building		100.00		Denail useful pieces and set aside for reuse.	Unused large pieces recycled for timber salvage.	To Waste Transfer Station as land fill.
Timber cladding	existing building		Nil		Denail useful pieces and set aside for reuse.	Nil	To Waste Transfer Station as land fill.
FC cladding	existing building		Nil		Nil	Material broken up on site, stored separately for collection to crushing.	To Waste Transfer Station that recycles FC building waste.
Asbestos sheet	existing building		Nil		Nil	Nil	Removal in accordance with Workcover requirements to Land Fill site.
Plasterboard	existing building		40.00		Nil	Binned separately for recycling by Boral Plasterboard	Nil
Roofing: tiles	existing building		140.00		Full tiles set aside for reuse.	Broken tiles stored for collection to crushing to road base at Waste Transfer Station.	Nil
Roofing: Steel	existing building		Nil		Nil	Unusable sheets stored for recycling at Mini Mill steel plant by BHP/equiv.	Nil
Insulation	existing building		40.00		Set aside for reuse.		Nil
Metal piping etc	existing building		10.00		Nil	Non ferrous metals binned separately for recycling.	
PVC piping	existing building		Nil		Nil		Removal to Land Fill site.
Tiles + pavers	existing building		100.00		Full tiles set aside for reuse.	Broken tiles stored for collection to crushing to road base at Waste Transfer Station.	Nil
Stone	existing building		Nil		set aside useful stone for reuse in landscaping.		
EXCAVATION STAGE							
Top soil		240.00			Top soil stored on site for use in landscaped gardens.		
Sand/clay/shale		50.00			Sand/clay stored on site for use as backfill where volumes allow.		Balance sent to authorised land fill site.
Rock		nil			Stored on site for use as backfill where volumes allow.		Balance sent to authorised land fill site.
CONSTRUCTION STAGE							
Bricks		0.10			Offcut bricks retained, crushed and used for darinage fill.	Excess broken blocks stored for collection to crushing.	
Concrete blocks		0.50			Offcut bricks retained, crushed and used for darinage fill.	Broken blocks sent to collection for crushing to road base at Waste Transfer Station.	
Concrete		2.00			Excess concrete poured into moulds on site for garden pavers.	Nil	Nil
Timber framing		1.00			Useful piec esset aside for reuse.	Unused large pieces recycled into store by builder.	Nil
Timber cladding		nil			Useful piec esset aside for reuse.	Unused large pieces recycled into store by builder.	Nil
FC cladding		nil			Nil	Material broken up on site, stored separately for collection to crushing.	To Waste Transfer Station that recycles FC building waste.
Plasterboard		1.00			Nil	Binned separately for recycling by Boral Plasterboard	Nil
Roofing: tiles			Nil		Full tiles stored on site as spares	Broken tiles stored for collection to crushing to road base at Waste Transfer Station.	Nil
Roofing: Steel			Nil		Sheets ordered cut to size to minimise waste	Offcut sheets stored for recycling at Mini Mill steel plant by BHP/equiv.	Nil
Insulation			Nil		Nil	Unused returned to manufacturer/store by builder.	Nil
Metal piping etc				0.001	Nil	Non ferrous metals binned separately for recycling.	
PVC piping		0.30			Nil		Removal to Land Fill site.
Tiles + pavers		0.50			Full tiles set aside as spares.	Cut tiles stored for collection to crushing to road base at Waste Transfer Station.	Nil
Misc packaging, fixings glues etc		0.50			Timber packaging sorted for reuse as above.		Removal to Land Fill site.
Other							

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project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	WASTE MANAGEMENT PLAN	DA	1022	220
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M

01 SITE ANALYSIS PLAN
1:200 @ A3

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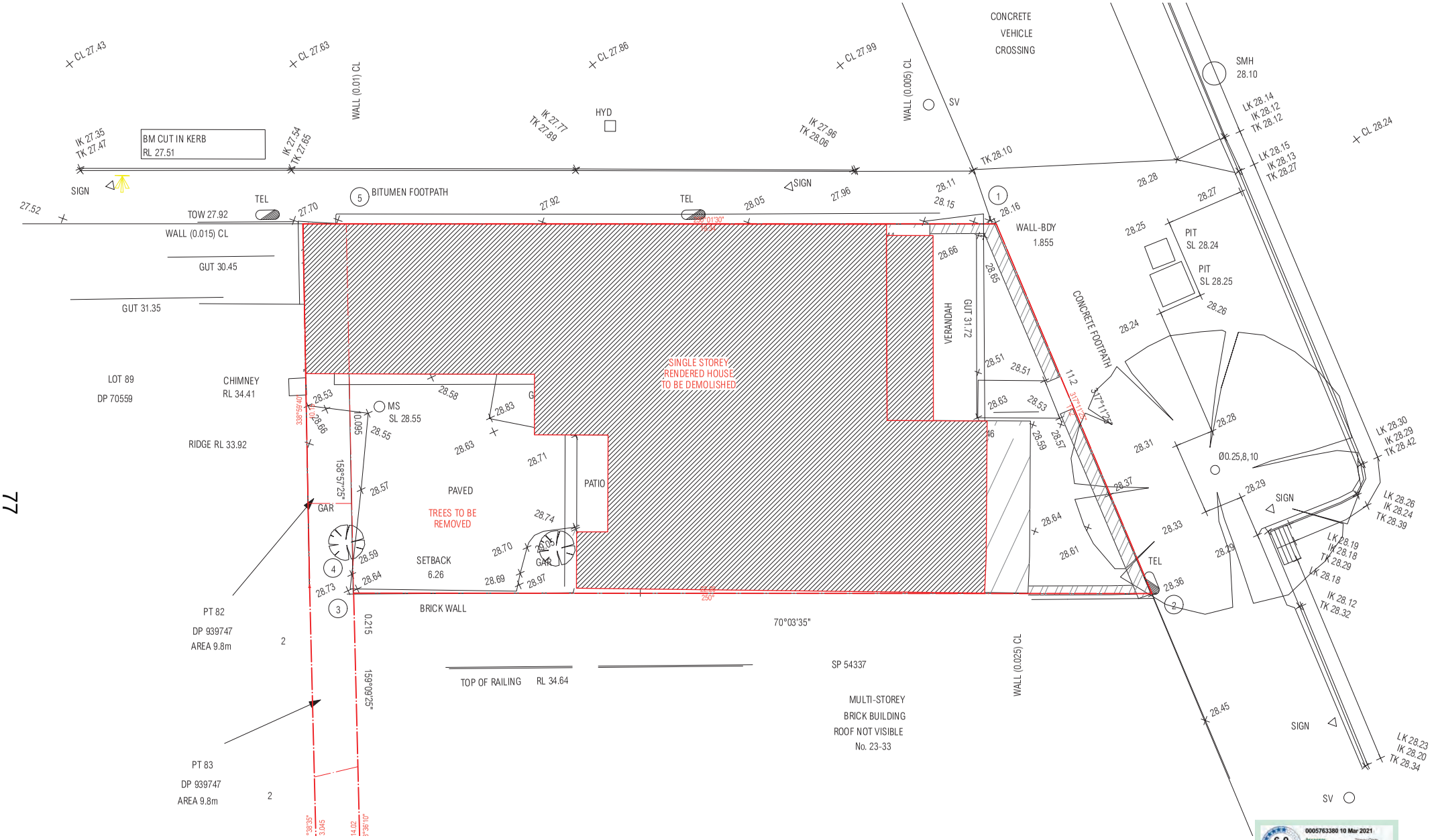
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SITE ANALYSIS PLAN	DA	1022	901
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	FLOOR PLAN	TW / LT	4/3/21	M



77

01 DEMOLITION PLAN
1:100 @ A3

notes	rev	date	amendment	rev	date	amendment
all work to be carried out in accordance with bca, saa codes and conditions of council. measurements in mm's unless noted. use figured dimensions. do not scale drawings. site measure before starting work. refer all discrepancies to the architect.	E	19/08/20	issue to consultants for comment	J	22/01/21	issue for information
	F	24/08/20	issue to consultants for comment	J	29/01/21	issue for information
	F	25/08/20	issue to consultants for comment	J	02/02/21	issue to council
	G	28/08/20	issue to consultants for comment	J	04/02/21	issue to council
	G	01/09/20	issue to consultants for comment	K	12/02/21	issue to council
	G	02/09/20	issue to consultants for comment	K	16/02/21	issue to council
	G	04/09/20	issue to consultants for comment	L	03/03/21	issue to council
	H	07/09/20	issue to council - d.a submission	M	04/03/21	issue to council

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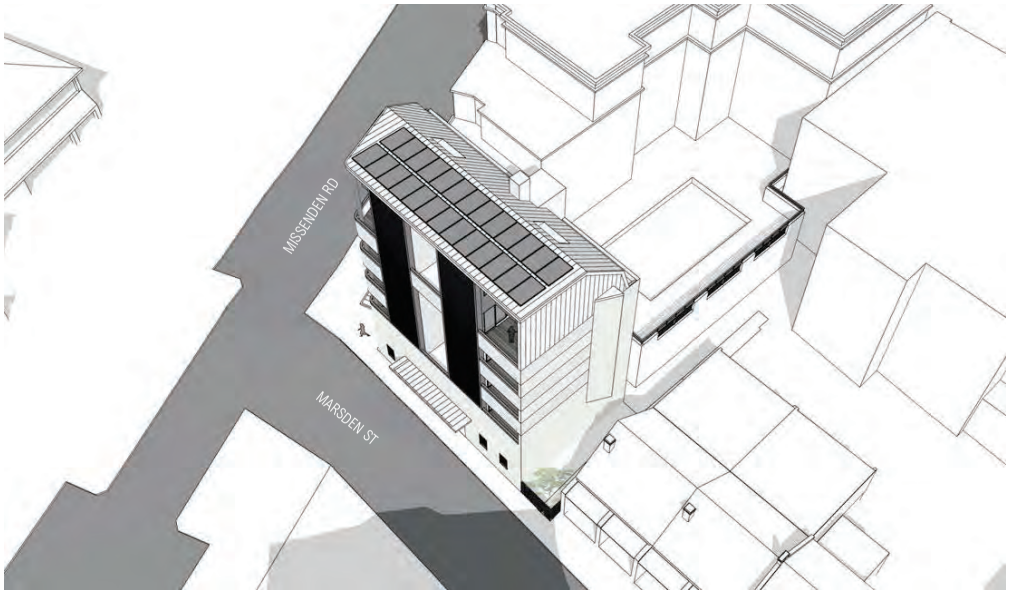
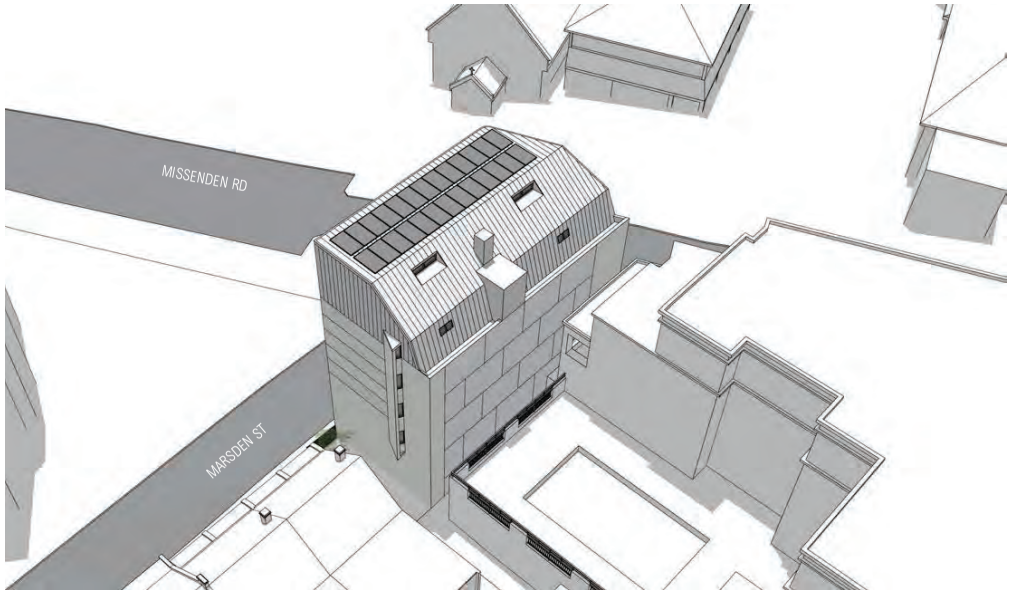
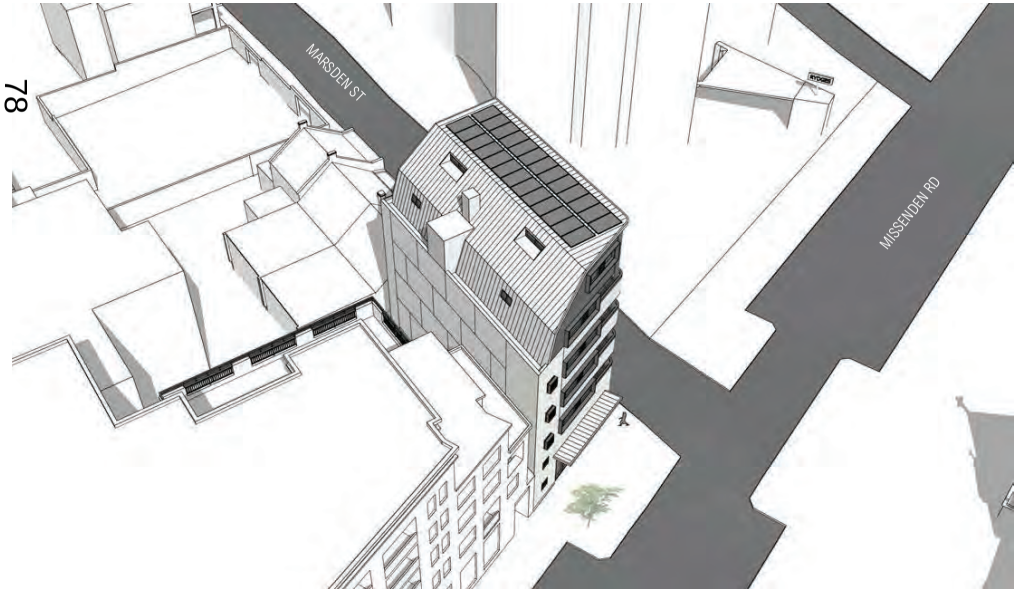
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	EXISTING/DEMOLITION PLAN	DA	1022	902
for/client	at	drawing	chkd / drwn	date	revision
STC & Co PTY LTD	CAMPERDOWN	FLOOR PLAN	TW / LT	4/3/21	M







01 BIRD'S EYE VIEW
NTS

notes	rev	date	amendment	rev	date	amendment
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project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	PERSPECTIVES (SHEET 1)	DA	1022	910
for/client	at	drawing	chkd / drwn	date	revision
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M

01 STREET VIEW
NTS

notes	rev	date	amendment	rev	date	amendment
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project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	PERSPECTIVES (SHEET 2)	DA	1022	911
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M

01 STREET VIEW
NTS

notes	rev	date	amendment	rev	date	amendment
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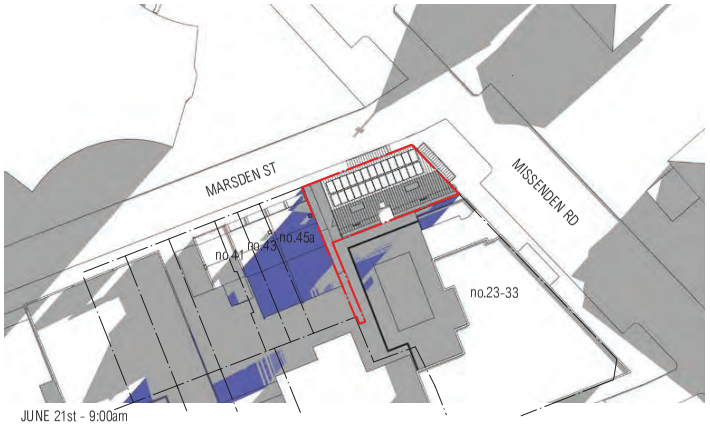
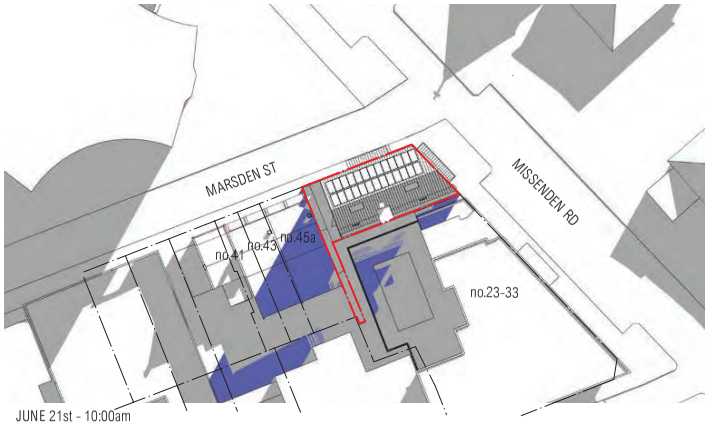
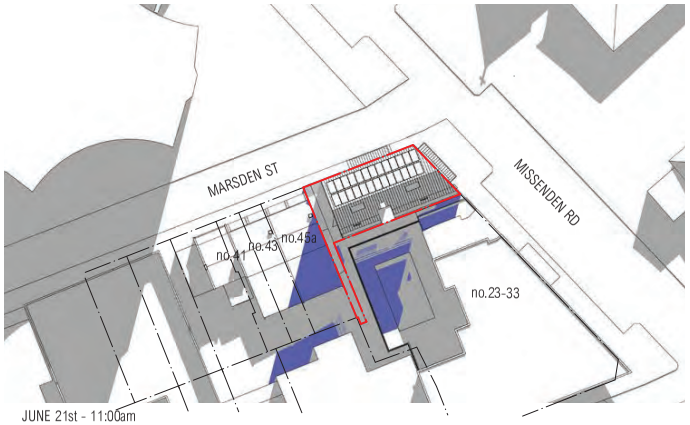
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	PERSPECTIVES (SHEET 3)	DA	1022	912
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M



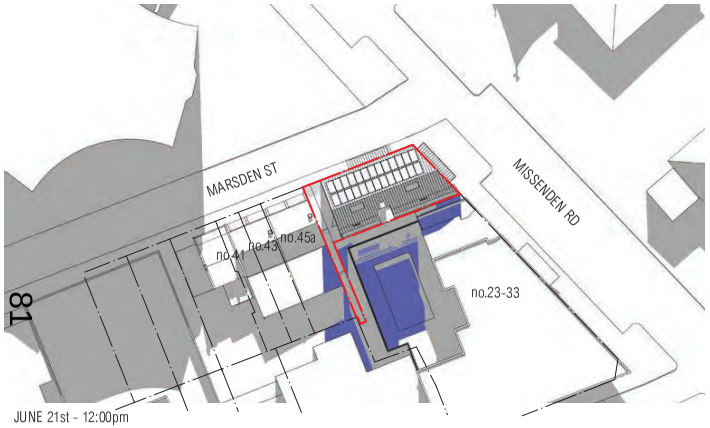
JUNE 21st - 9:00am



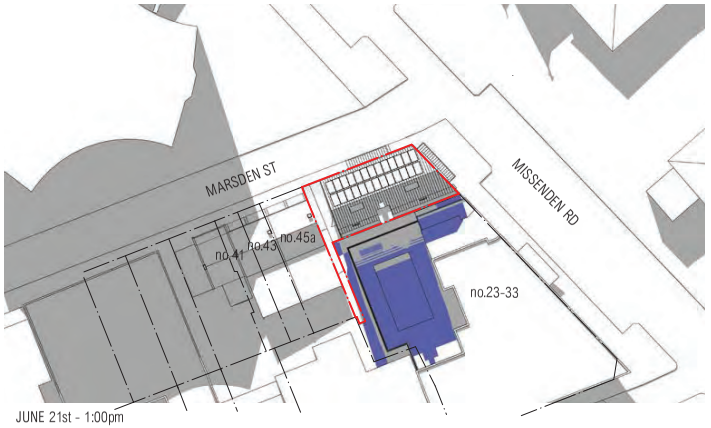
JUNE 21st - 10:00am



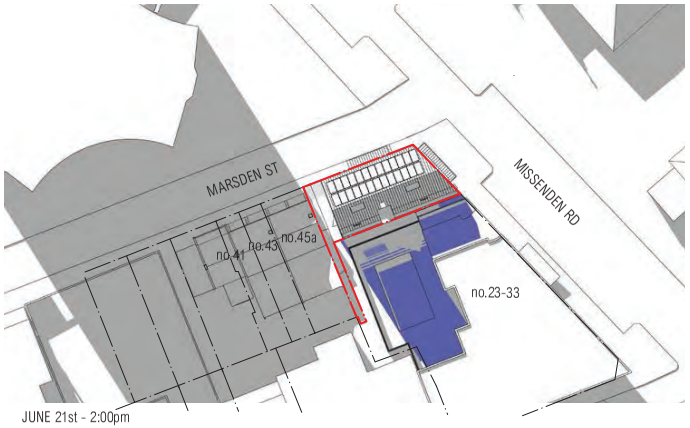
JUNE 21st - 11:00am



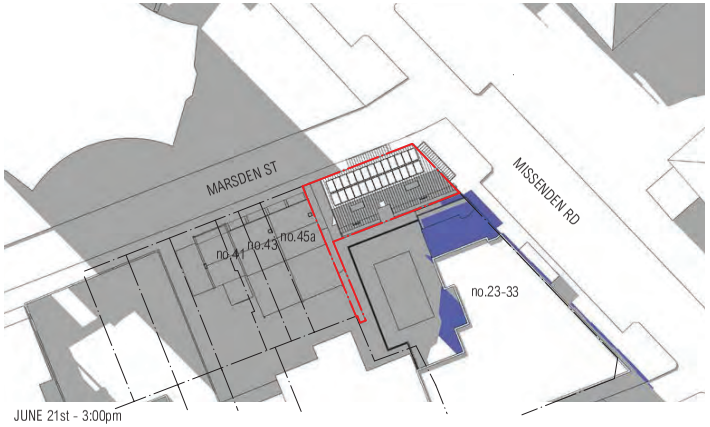
JUNE 21st - 12:00pm



JUNE 21st - 1:00pm



JUNE 21st - 2:00pm



JUNE 21st - 3:00pm

notes	rev	date	amendment	rev	date	amendment
all work to be carried out in accordance with bca, saa codes and conditions of council. measurements in mm's unless noted. use figured dimensions. do not scale drawings. site measure before starting work. refer all discrepancies to the architect.	E	19/08/20	issue to consultants for comment	J	22/01/21	issue for information
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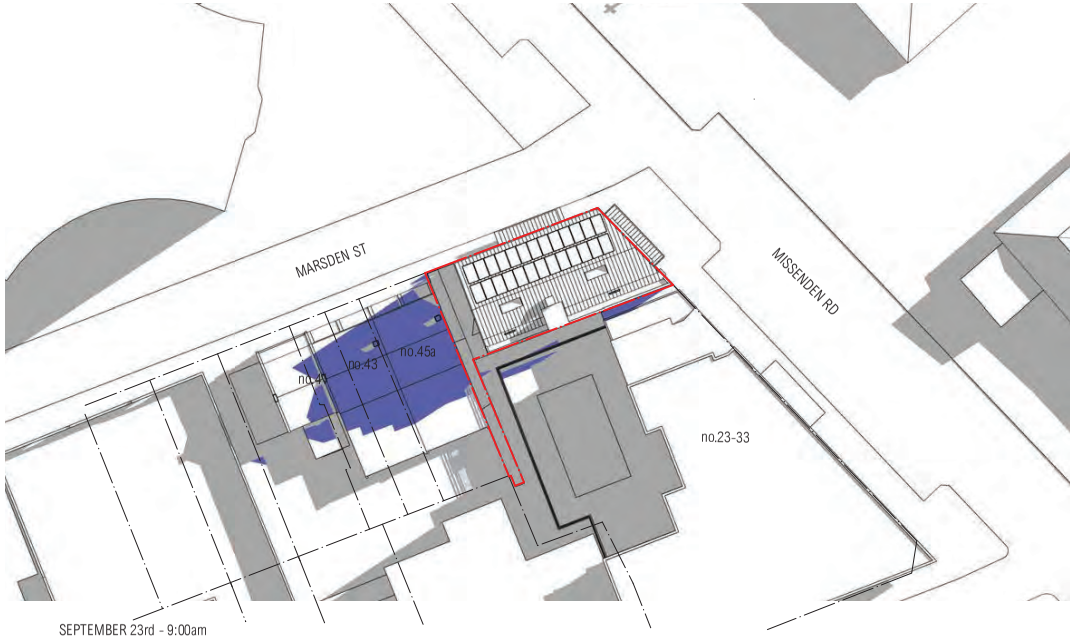
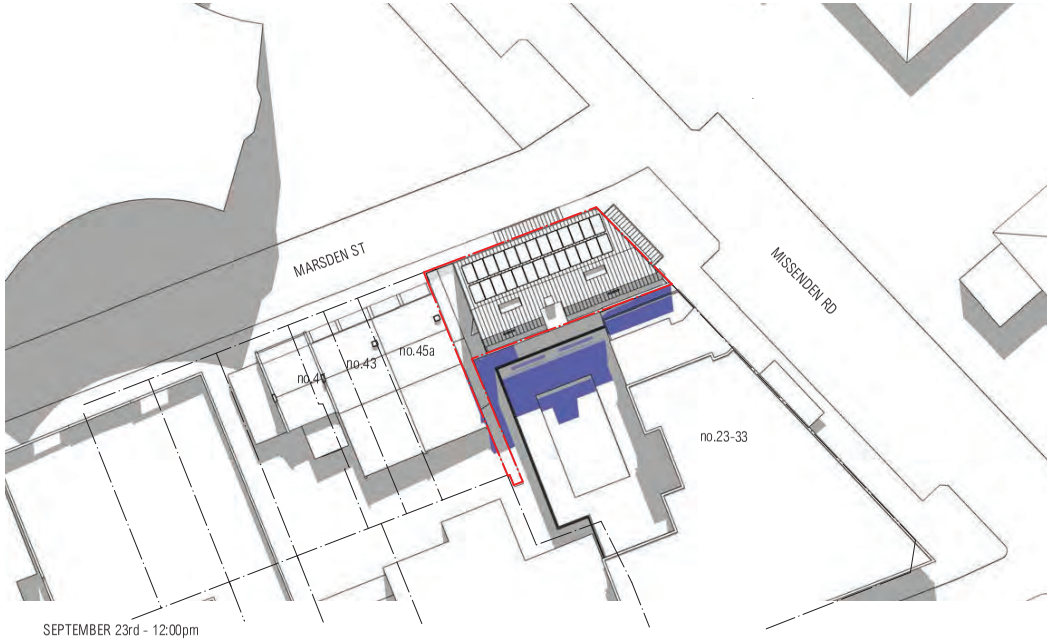
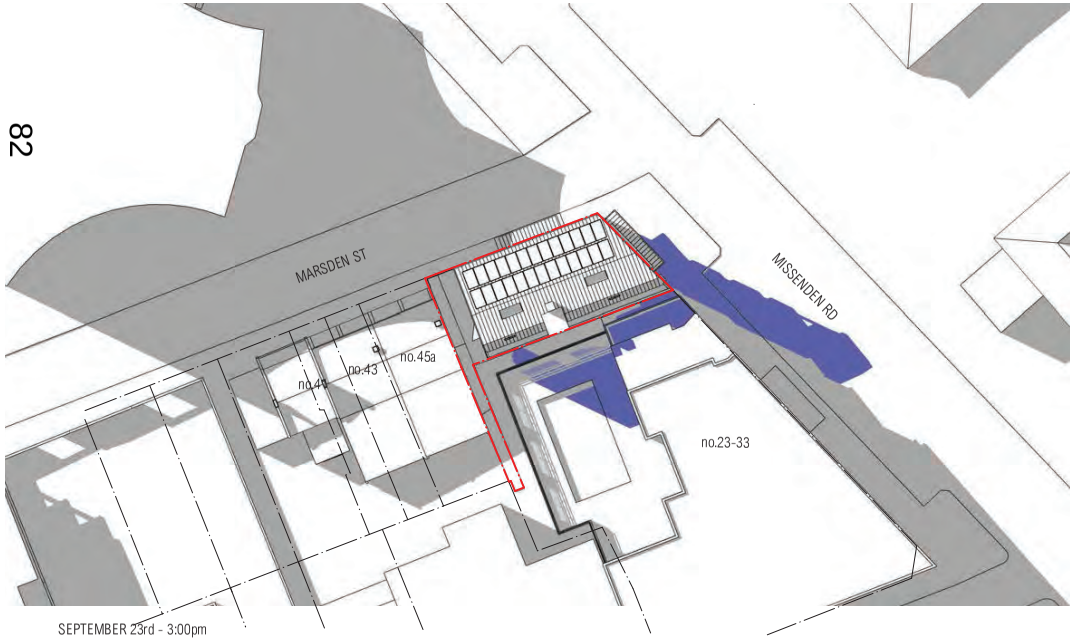
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SHADOW DIAGRAMS - JUNE 21st	DA	1022	920
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M



SEPTEMBER 23rd - 9:00am



SEPTEMBER 23rd - 12:00pm



SEPTEMBER 23rd - 3:00pm

notes	rev	date	amendment	rev	date	amendment
all work to be carried out in accordance with bca, saa codes and conditions of council. measurements in mm's unless noted. use figured dimensions. do not scale drawings. site measure before starting work. refer all discrepancies to the architect.	E	19/08/20	issue to consultants for comment	J	22/01/21	issue for information
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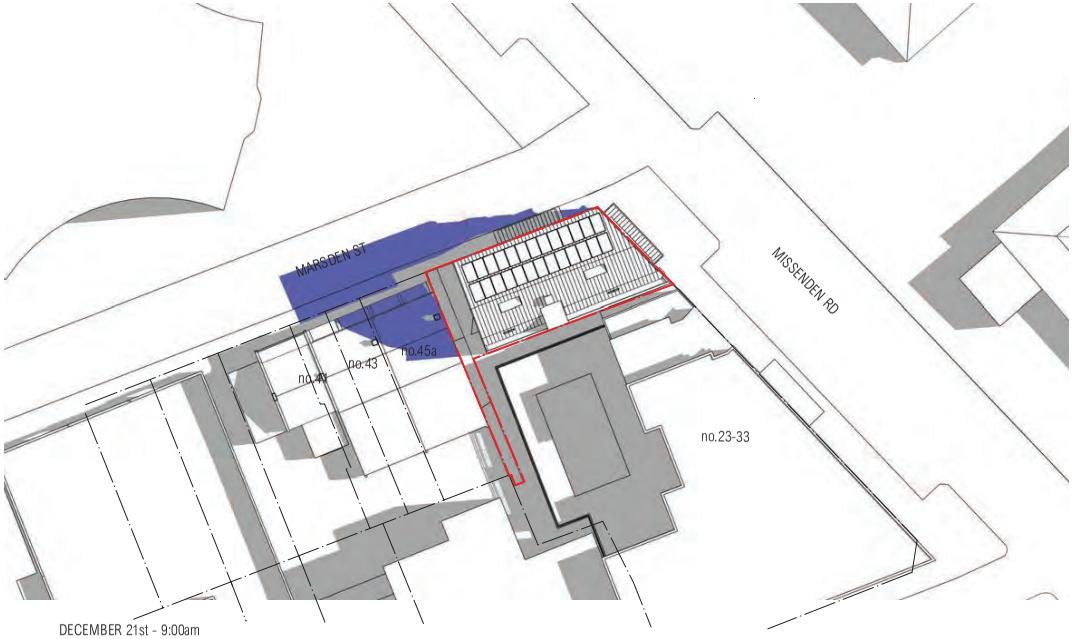
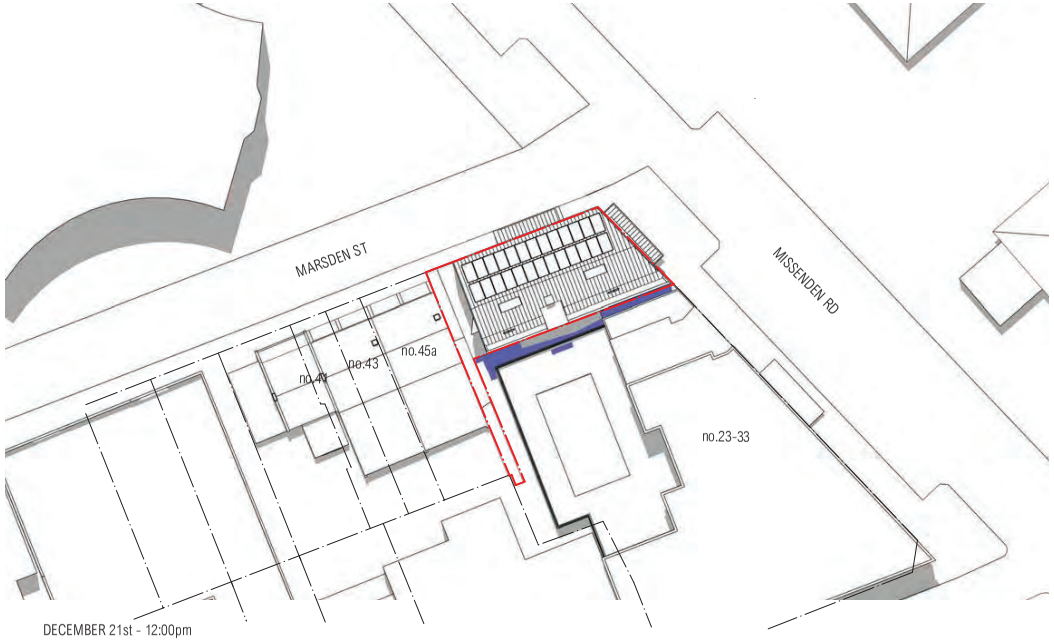
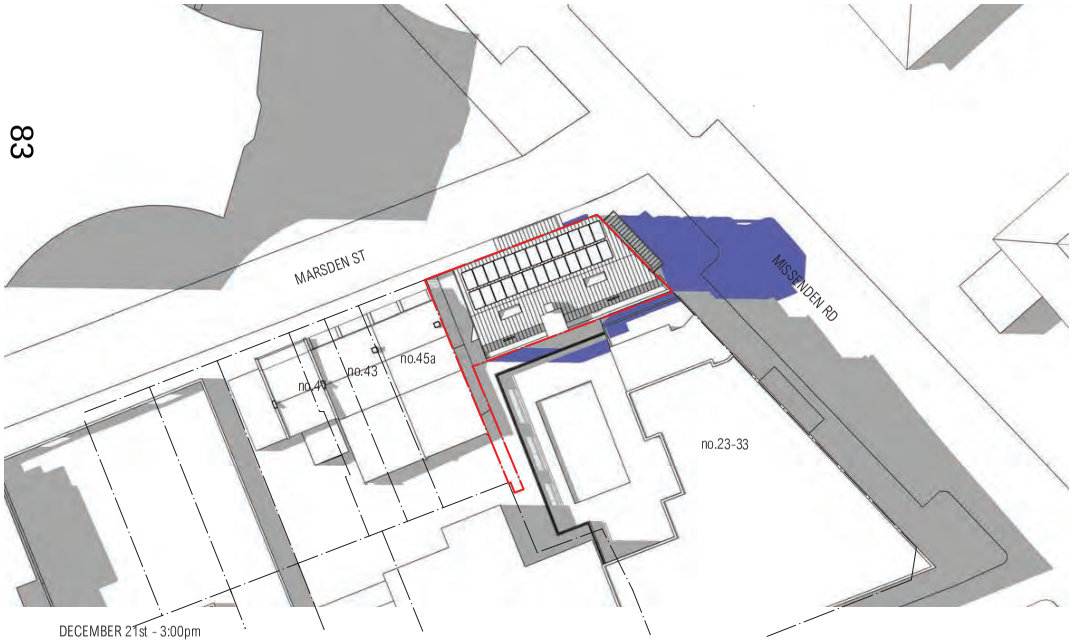
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SHADOW DIAGRAMS - SEPTEMBER 23rd	DA	1022	921
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M



DECEMBER 21st - 9:00am



DECEMBER 21st - 12:00pm



DECEMBER 21st - 3:00pm

notes	rev	date	amendment	rev	date	amendment
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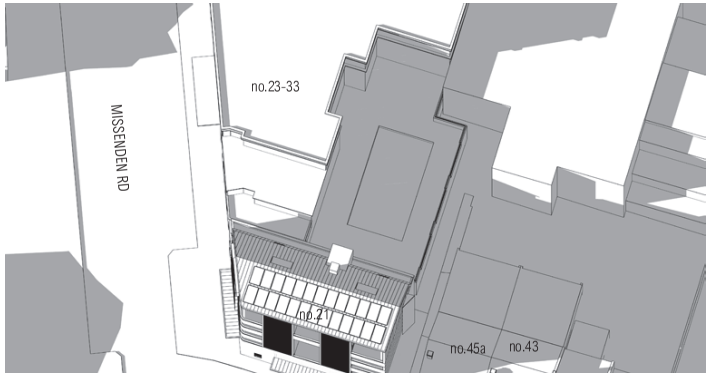
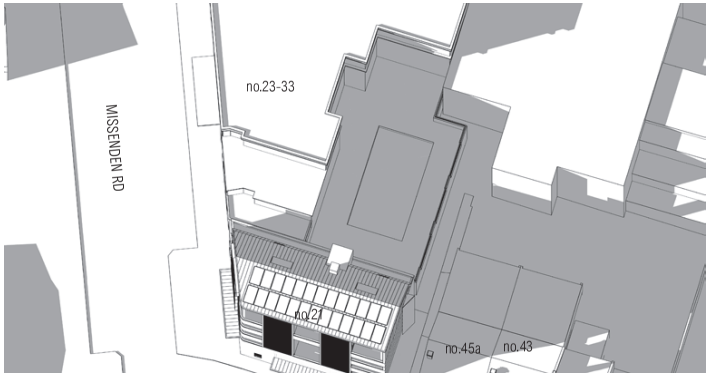
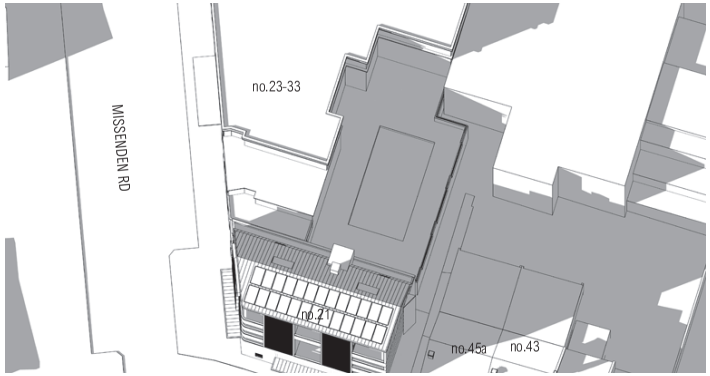
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SHADOW DIAGRAMS - DECEMBER 21st	DA	1022	922
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M



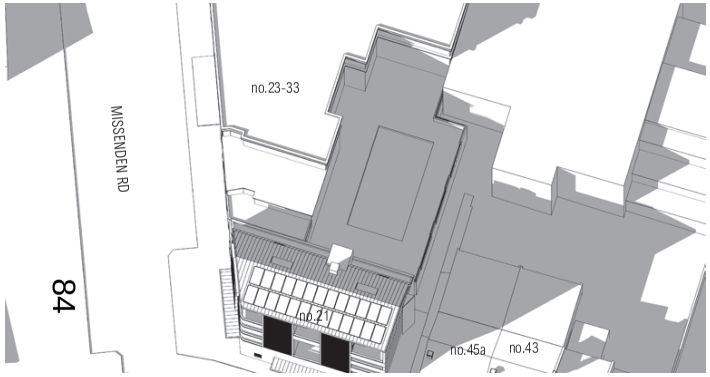
JUNE 21st - 9:00am



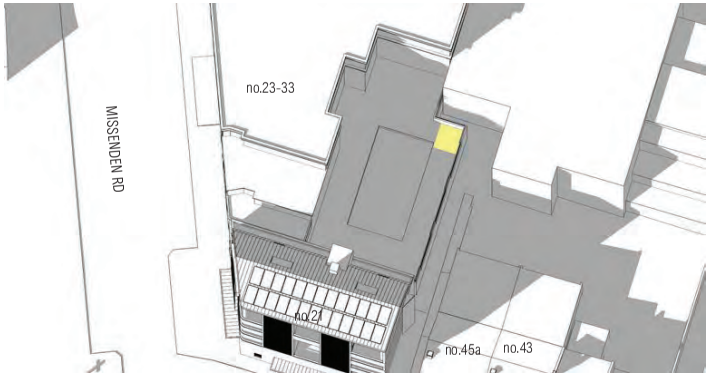
JUNE 21st - 9:30am



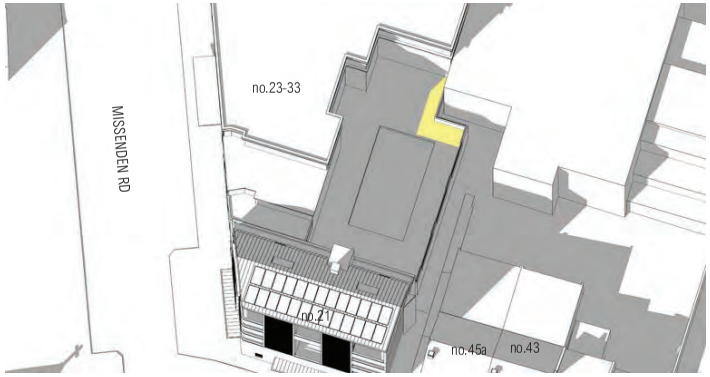
JUNE 21st - 10:00am



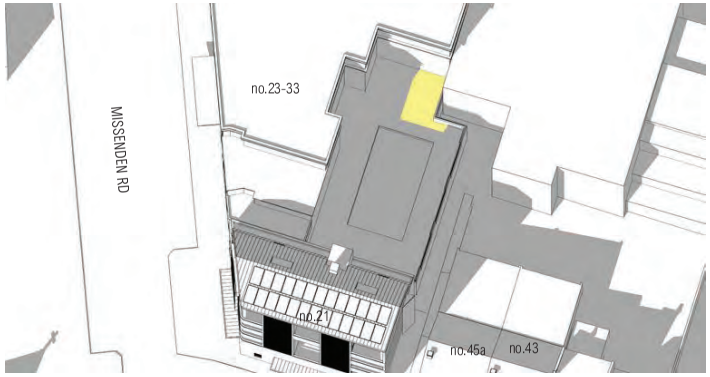
JUNE 21st - 10:30am



JUNE 21st - 11:00am



JUNE 21st - 11:30am



JUNE 21st - 12:00pm

notes	rev	date	amendment	rev	date	amendment
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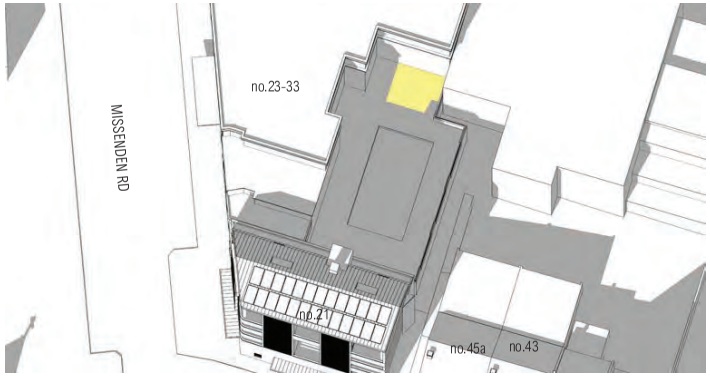
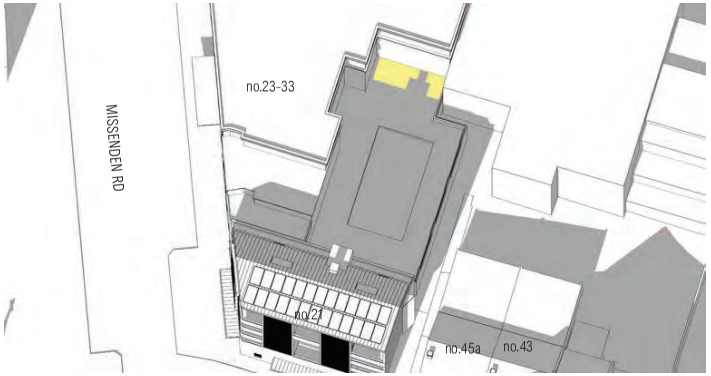
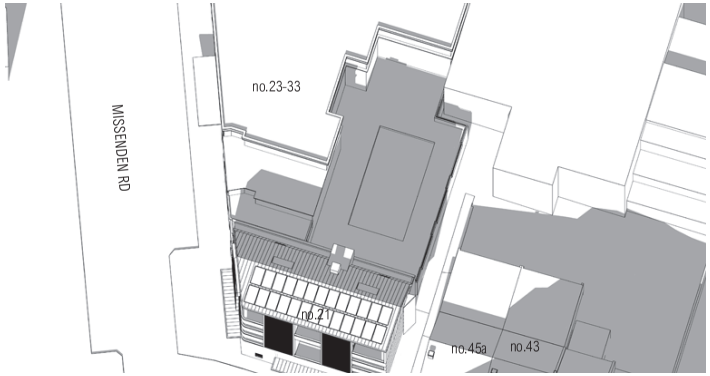
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SHADOW DIAGRAMS - NO.23-33 POS	DA	1022	923
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	JUNE 21st	TW / LT	4/3/21	M



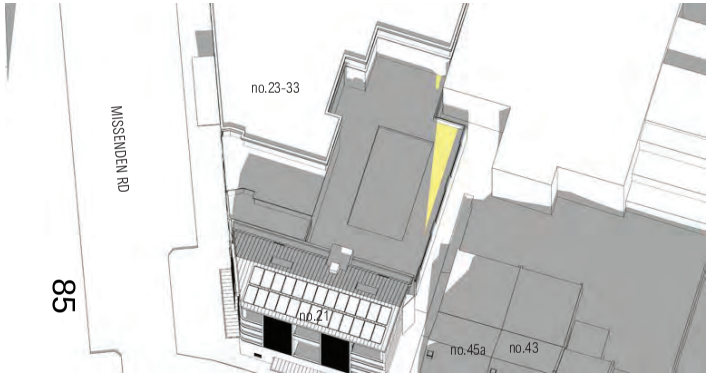
JUNE 21st - 12:30pm



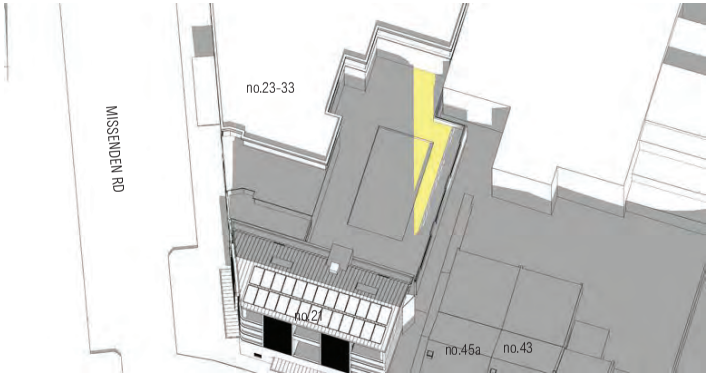
JUNE 21st - 1:00pm



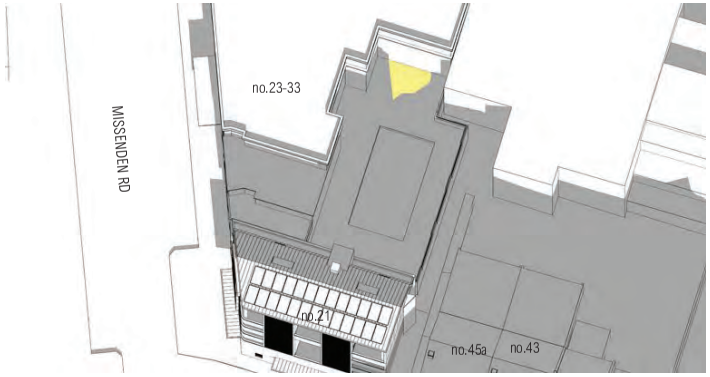
JUNE 21st - 1:30pm



JUNE 21st - 2:00pm



JUNE 21st - 2:30pm



JUNE 21st - 3:00pm

	notes	rev	date	amendment	rev	date	amendment
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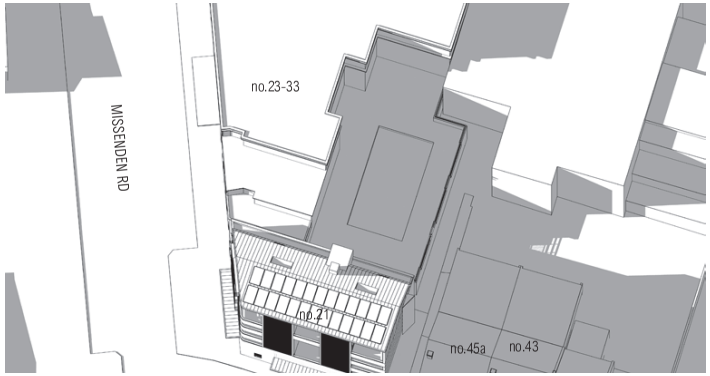
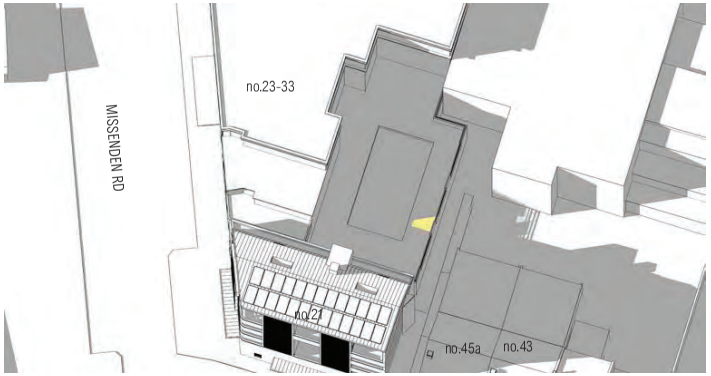
t: 02 9211 0000
w: www.environastudio.com.au
architects registration number 6239

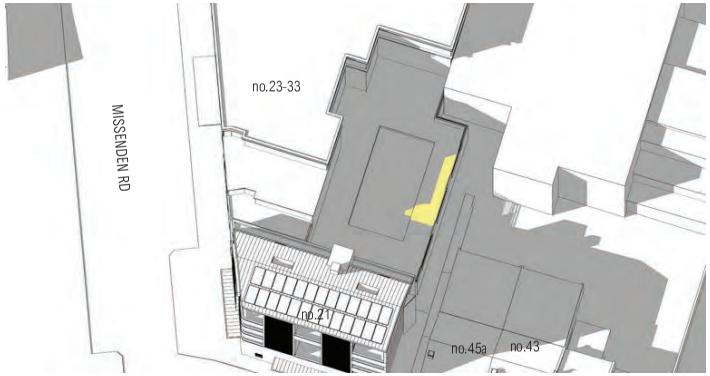
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SHADOW DIAGRAMS - NO.23-33 POS	DA	1022	924
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	JUNE 21st	TW / LT	4/3/21	M



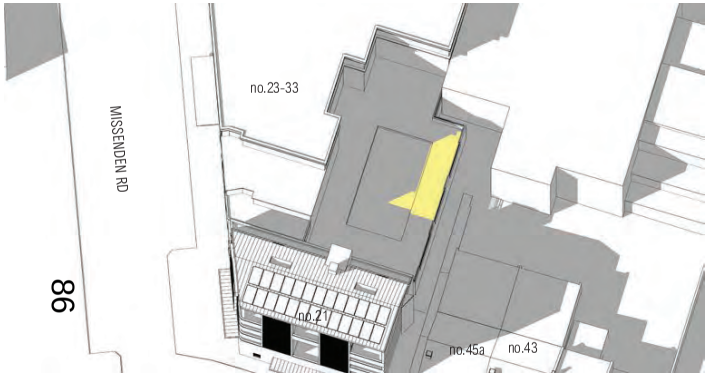
APRIL/AUGUST 22nd - 9:00am



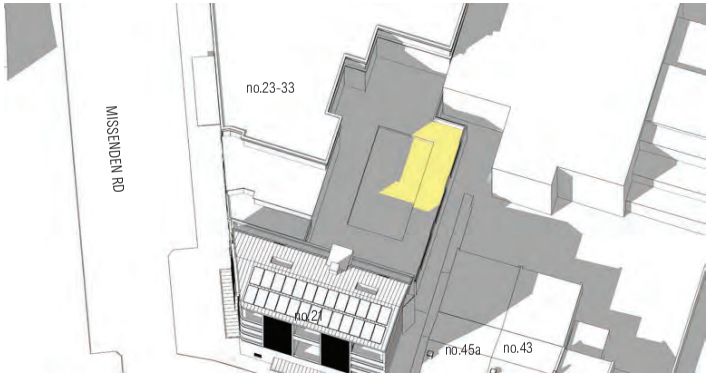
APRIL/AUGUST 22nd - 9:30am



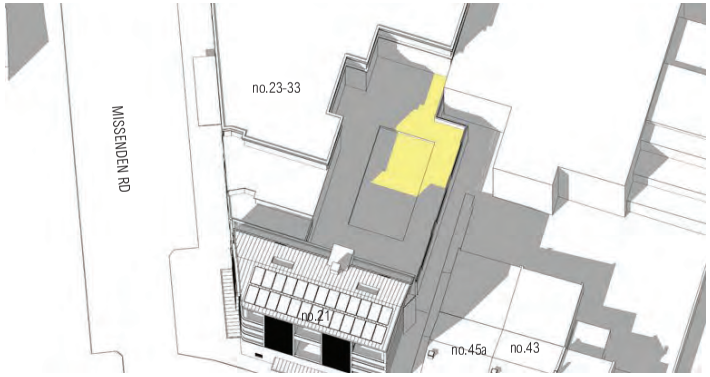
APRIL/AUGUST 22nd - 10:00am



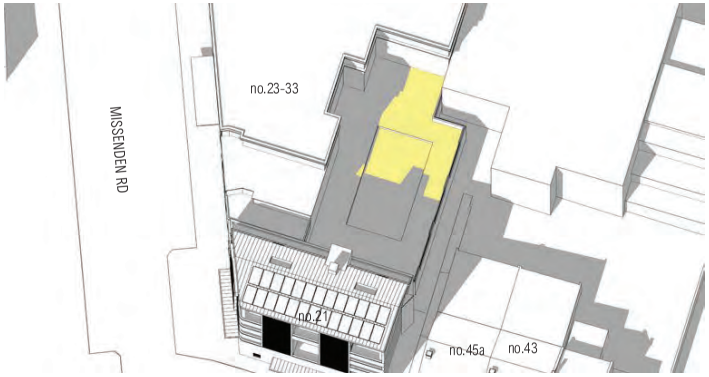
APRIL/AUGUST 22nd - 10:30am



APRIL/AUGUST 22nd - 11:00am



APRIL/AUGUST 22nd - 11:30am



APRIL/AUGUST 22nd - 12:00pm

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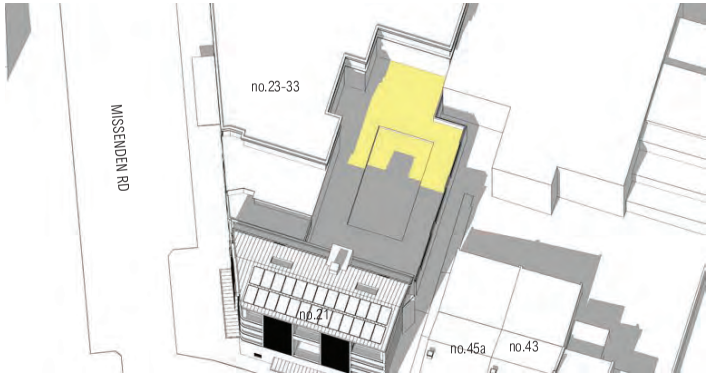
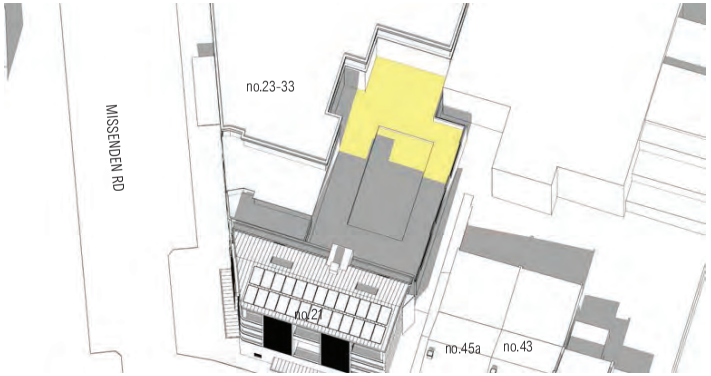
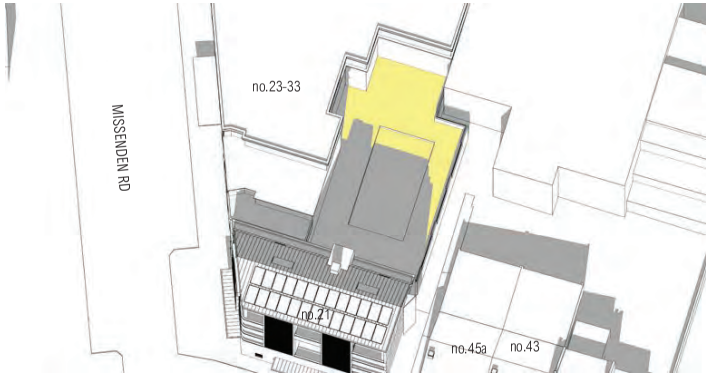
SHOP TOP HOUSING	21 MISSENDEN RD	SHADOW DIAGRAMS - NO.23-33 POS	DA	1022	925
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	APRIL/AUGUST 22nd	TW / LT	4/3/21	M



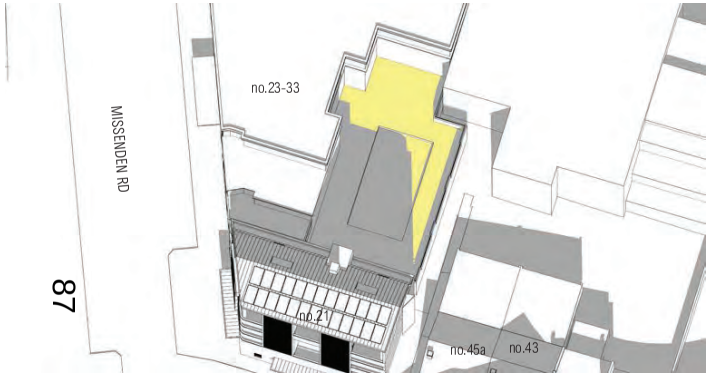
APRIL/AUGUST 22nd - 12:30pm



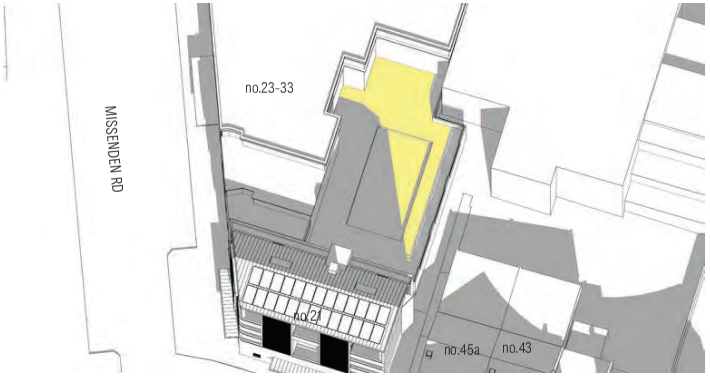
APRIL/AUGUST 22nd - 1:00pm



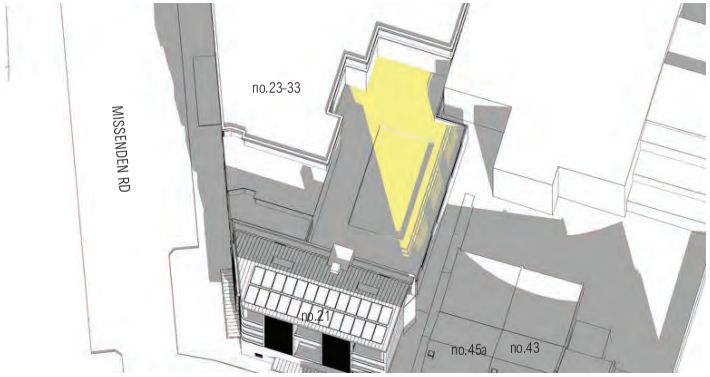
APRIL/AUGUST 22nd - 1:30pm



APRIL/AUGUST 22nd - 2:00pm



APRIL/AUGUST 22nd - 2:30pm



APRIL/AUGUST 22nd - 3:00pm

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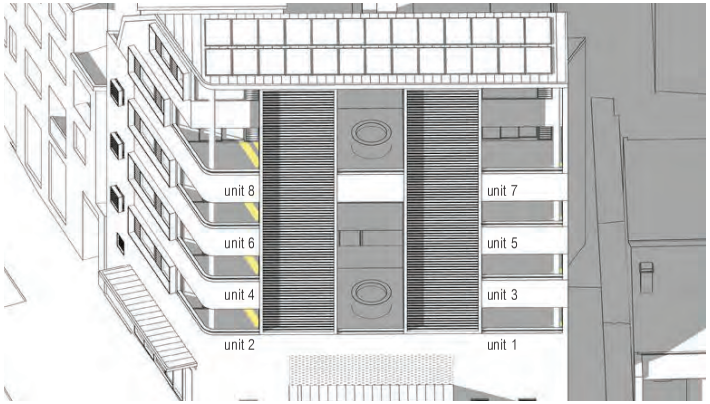
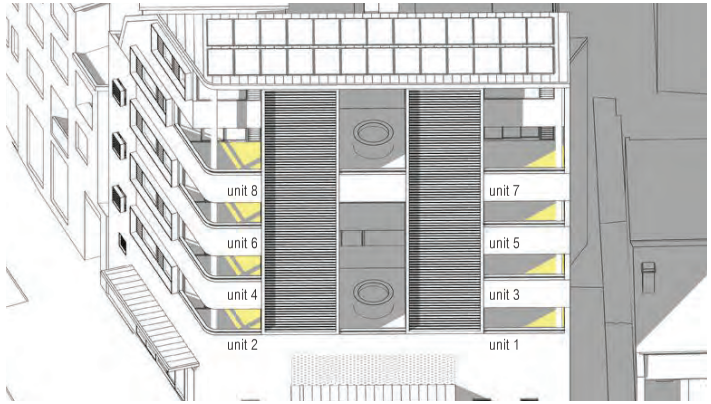
architects registration number 6239

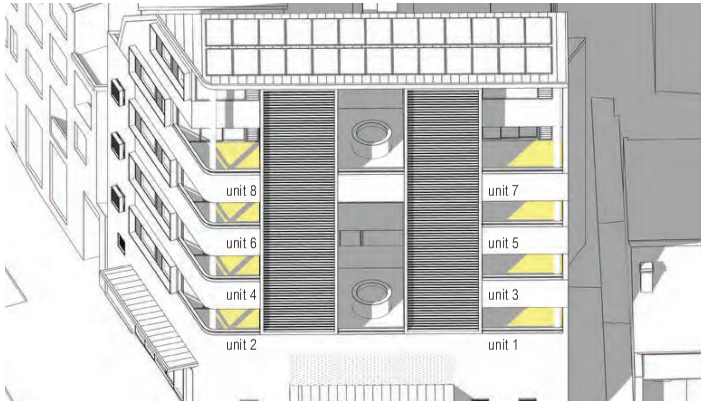
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SHADOW DIAGRAMS - NO.23-33 POS	DA	1022	926
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN	APRIL/AUGUST 22nd	TW / LT	4/3/21	M



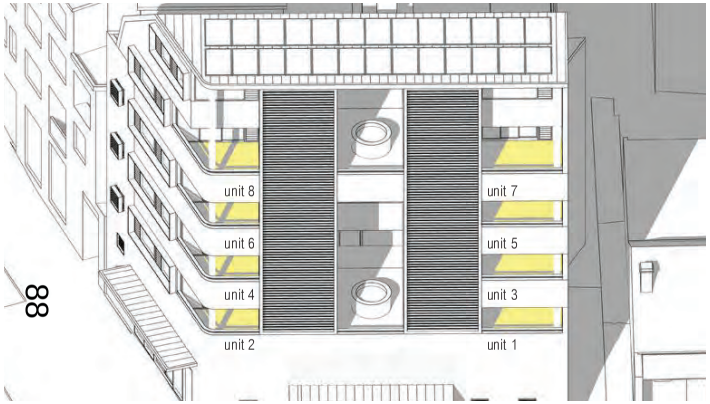
JUNE 21st - 9:00am



JUNE 21st - 10:00am



JUNE 21st - 11:00am



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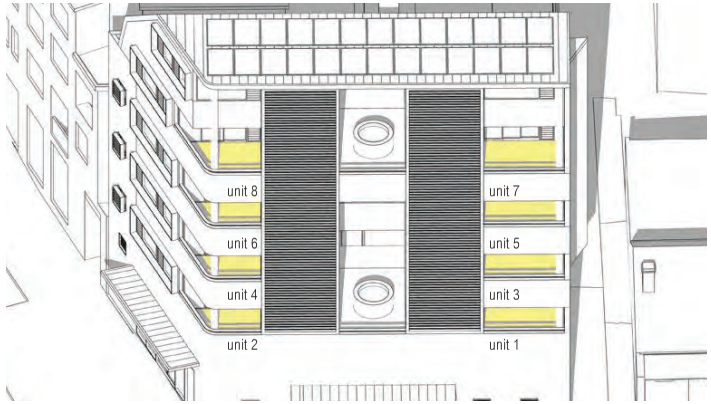
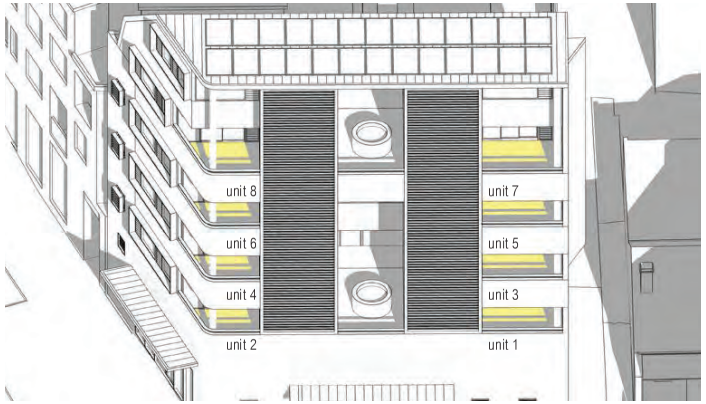
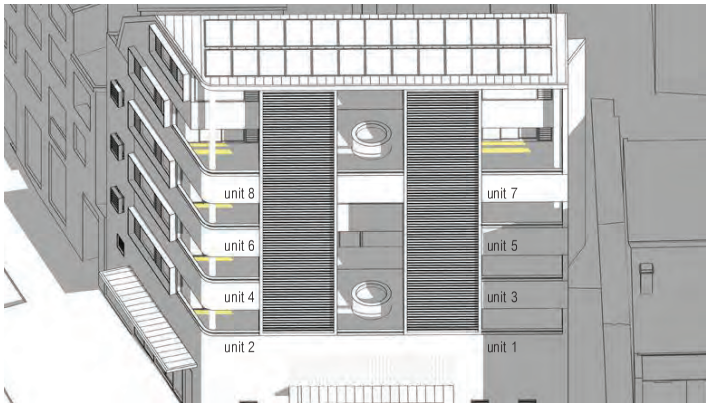


JUNE 21st - 1:00pm



JUNE 21st - 2:00pm



JUNE 21st - 3:00pm

private open space	Jun-21 9:00 am	10:00 am	11:00 am	12:00 pm	1:00 pm	2:00 pm	3:00 pm		minimum 2 hours
unit 1	no	yes	yes	yes	yes	yes	no	4 hours	yes
unit 2	yes	yes	yes	yes	yes	yes	yes	6 hours	yes
unit 3	no	yes	yes	yes	yes	yes	no	4 hours	yes
unit 4	yes	yes	yes	yes	yes	yes	yes	5 hours	yes
unit 5	no	yes	yes	yes	yes	yes	no	4 hours	yes
unit 6	yes	yes	yes	yes	yes	yes	no	5 hours	yes
unit 7	no	yes	yes	yes	yes	yes	yes	5 hours	yes
unit 8	yes	yes	yes	yes	yes	yes	yes	6 hours	yes
									8/8 (100%)

rev	date	amendment	rev	date	amendment
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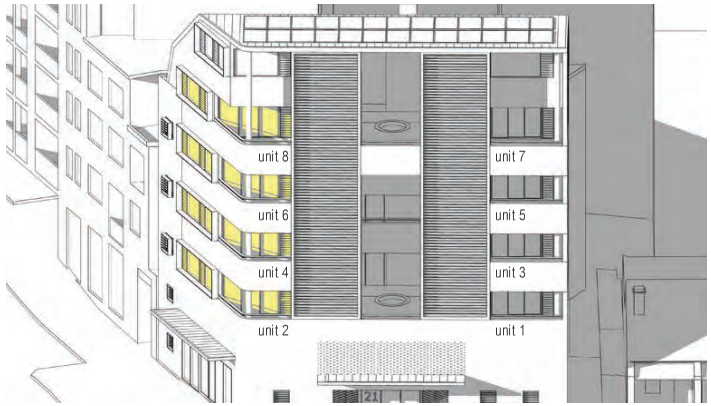
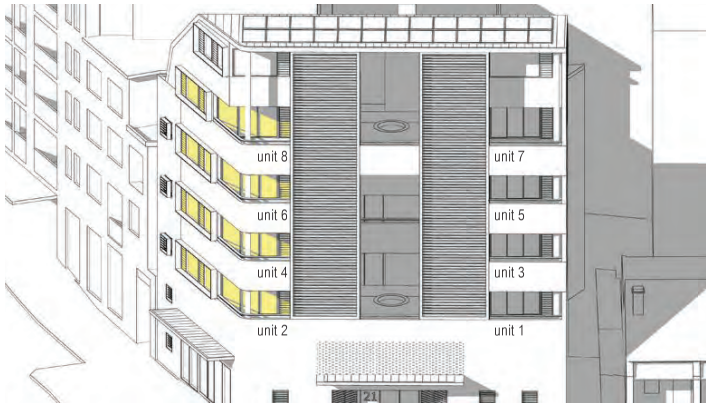
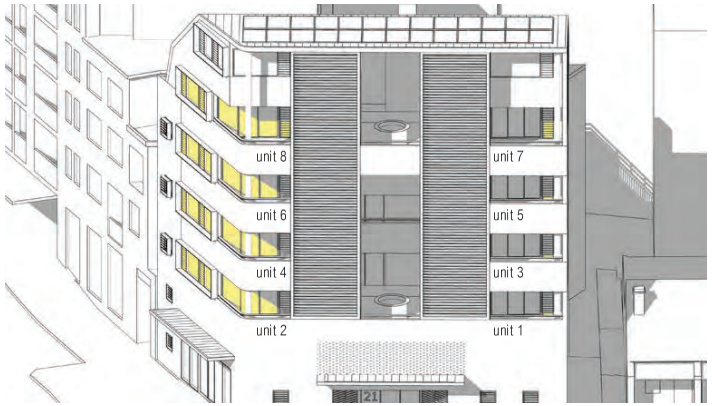
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SOLAR ACCESS - PRIVATE OPEN SPACE	DA	1022	927
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M



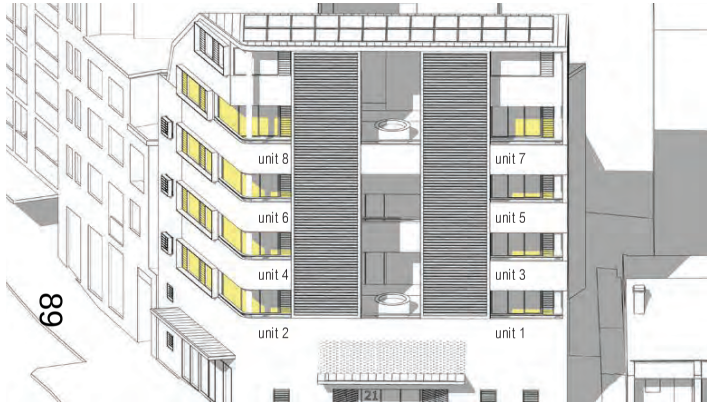
JUNE 21st - 9:00am



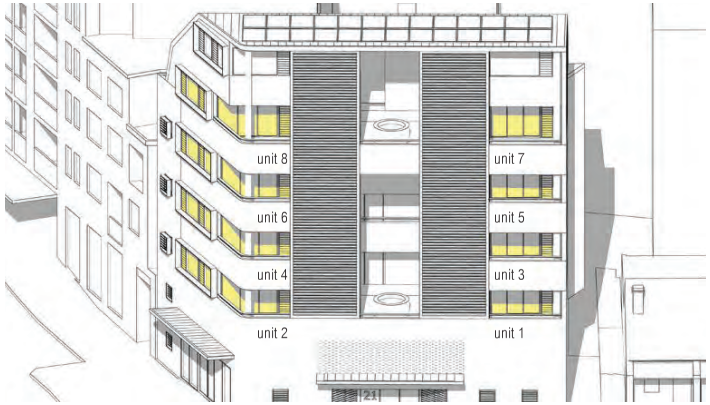
JUNE 21st - 10:00am



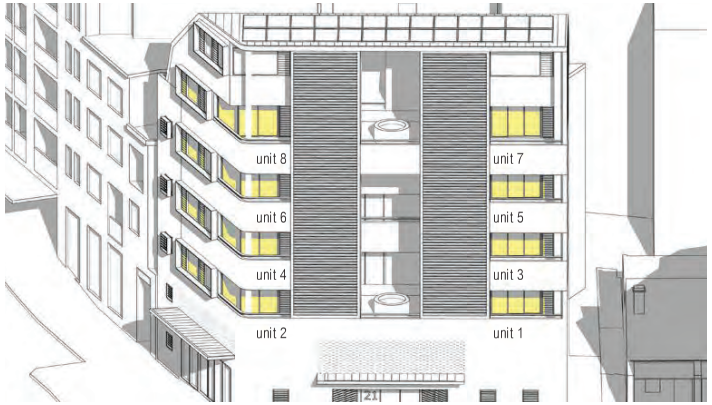
JUNE 21st - 11:00am



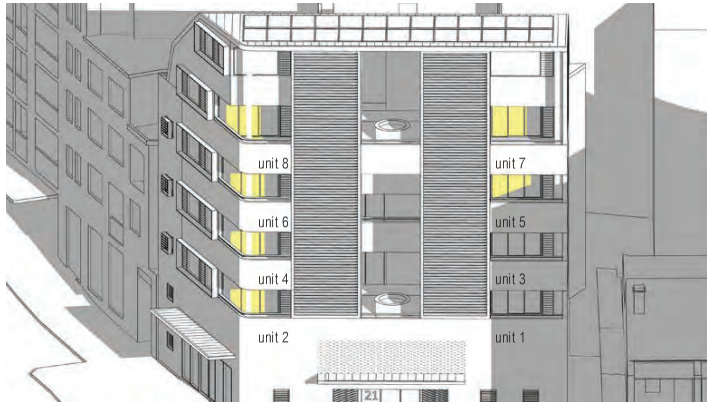
JUNE 21st - 12:00pm



JUNE 21st - 1:00pm



JUNE 21st - 2:00pm



JUNE 21st - 3:00pm

living room glazing	Jun-21 9:00 am	10:00 am	11:00 am	12:00 pm	1:00 pm	2:00 pm	3:00 pm		minimum 2 hours
unit 1	no	no	no	yes	yes	yes	no	2 hours	yes
unit 2	yes	yes	yes	yes	yes	yes	yes	6 hours	yes
unit 3	no	no	no	yes	yes	yes	no	2 hours	yes
unit 4	yes	yes	yes	yes	yes	yes	yes	6 hours	yes
unit 5	no	no	no	yes	yes	yes	yes	3 hours	yes
unit 6	yes	yes	yes	yes	yes	yes	yes	6 hours	yes
unit 7	no	no	yes	yes	yes	yes	yes	4 hours	yes
unit 8	yes	yes	yes	yes	yes	yes	yes	6 hours	yes
									8/8 (100%)

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project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	SOLAR ACCESS - LIVING ROOM GLAZING	DA	1022	928
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M

BASIX and Thermal Comfort Inclusions – 21 Missenden Road, Camperdown

Glazing Doors/Windows
Glazed windows and doors:
Type 1
Group A – awning + bifold + casement windows + hinged glazed doors
U-value: 6.70 (equal to or lower than) SHGC: 0.57 (±5%)
Group B – sliding doors/windows + fixed glazing + louvered windows
U-value: 6.70 (equal to or lower than) SHGC: 0.70 (±5%)
Upgrade applied as per thermal comfort upgrades table:
Type 2 – as per assessor sheet
Group A – awning + bifold + casement windows + hinged glazed doors
U-value: 4.30 (equal to or lower than) SHGC: 0.47 (±5%)
Group B – sliding doors/windows + fixed glazing + louvered windows
U-value: 4.30 (equal to or lower than) SHGC: 0.53 (±5%)
Given values are AFRC total window system values (glass and frame)

Roof and ceiling
Metal roof with foil backed blanket (R_u1.3 and R_d1.3)
Plasterboard ceiling with R3.0 insulation (insulation only value) to where roof is above
Plasterboard ceiling, no insulation where neighbouring units are above
External Colour
Medium (0.475 < SA < 0.7)

Ceiling Penetrations
Sealed LED downlights at a maximum of one every 2.5m^2. Once lighting plan has been developed NatHERS certificate can be updated to improve specification.

External Wall
150mm Hebel Power Panel to walls modelled as proxy to AFS Concrete wall with R2.0 insulation (insulation only value)
External Colour
Light (SA < 0.475)

Inter-tenancy walls
150mm Hebel Power Panel to walls adjacent to neighbours and services modelled as proxy to AFS Concrete wall, no insulation required
Minimum 150mm concrete with furring channel and plasterboard lining to all walls adjacent to lift shafts and fire stairs. No insulation required

Walls within dwellings
Plasterboard on studs – no insulation

Floors
Concrete slab 300mm thickness with a minimum R0.9 insulation (insulation only value) required to units with unconditioned zones below (Residential waste, bike, general storage and services)
Suspended Concrete slab 300mm thickness, no insulation required where part open subfloor is below
Concrete between levels, no insulation required

Floor coverings
Carpet to bedrooms, tiles to bathrooms and laundry, timber elsewhere

External Shading
Shading as per stamped documentation

Fixtures within units
Showerheads: 4.0 star mid flow (>6L but <=7.5L/min)
Toilets: 4.0 star
Kitchen taps: 4.0 star
Bathroom vanity taps: 4.0 star

Appliances within units
Dishwashers: 3.0 stars

Hot water system
Individual 6 star gas instantaneous hot water systems to each unit

Lift motors
All lifts to have gearless traction with VVVF motor

Appliances and other efficiency measures within units
Gas cooktop & electric oven

Heating and cooling within units
All units to have ceiling fans + individual, single phase, reverse cycle air conditioning to living areas, and at least 1 bedroom
A minimum efficiency of 3.0 stars is required for cooling: and
A minimum efficiency of 3.0 stars is required for heating

Artificial lighting within units
All light fittings within each room are to have sealed LED fixtures installed

Ventilation within units
Bathroom: individual fan, ducted to roof or façade – manual on/off switch
Laundry: individual fan, ducted to roof or façade – manual on/off switch
Kitchen range hood: Individual fan, ducted to roof or façade – manual on/off switch

Ventilation to common areas
Communal open space – Naturally ventilated
Garbage rooms – Exhaust air, running continuously
Bulky waste/Bike and General Storage – Supply only, interlocked to light
Ground floor Lobby – Naturally ventilated
Hallways – Naturally ventilated

Artificial lighting to common areas
Communal open space – Light emitting diodes (LEDs) with daylight sensors
Lifts – Light emitting diodes (LEDs) connected to lift call button
Garbage rooms – Light emitting diodes (LEDs) with motion sensor
Bulky waste/Bike and General Storage – Light emitting diodes (LEDs) with manual on / manual off switch
Ground floor lobby – Light emitting diodes (LEDs) with motion sensors
Hallways – Light emitting diodes (LEDs) with daylight sensors

Alternative Energy
No BASIX requirements

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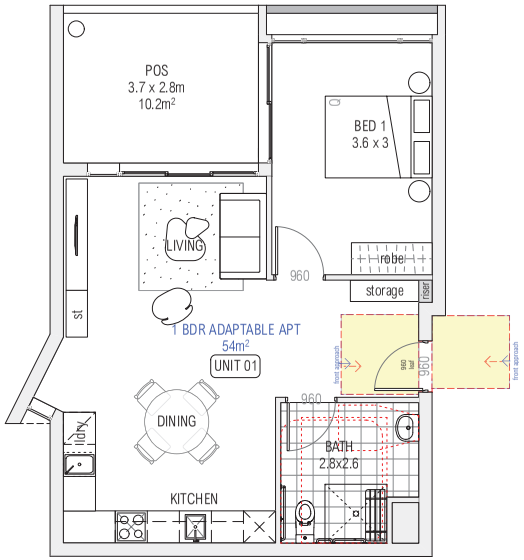
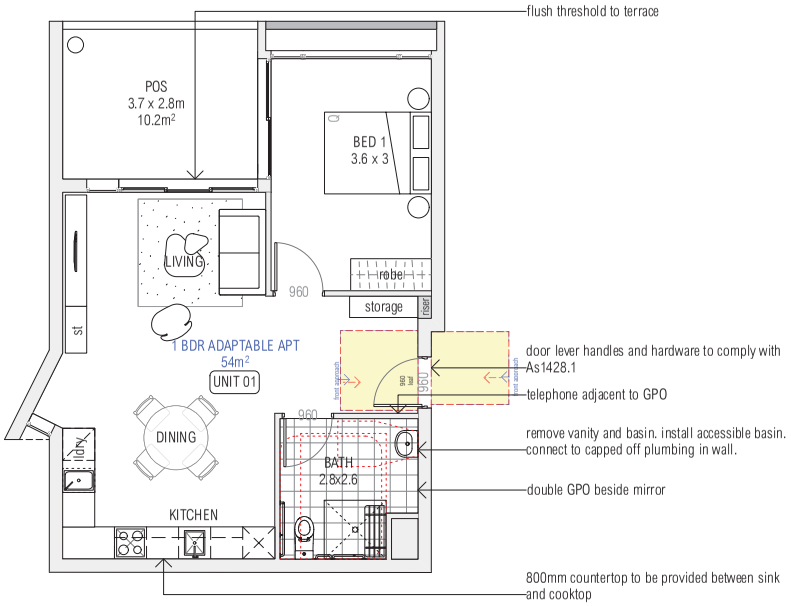
project	location	drawing	stage	project no.	dwg no.
SHOP TOP HOUSING	21 MISSENDEN RD	BASIX COMMITMENTS	DA	1022	940
for/client	at	drawing	chkd / drwn	date	revision
STC & Co PTY LTD	CAMPERDOWN		TW / LT	11/3/21	M

GENERAL NOTES:
1. ADAPTABLE UNIT IS **01**
2. THIS PLAN MUST BE READ IN CONJUCTION WITH THE ACCESS REPORT BY THE ACCESSIBILITY CONSULTANT
3. PLUMBING FOR POST-ADAPTABLE FIXTURES TO BE COMPLETED PRE-ADAPTATION
4. LIVING AND DINING ROOM: potential illumination level min. 300lux
5. KITCHEN:
   - tap set to be capstan or lever handles or lever mixer
   - cooktop to include isolation switch
   - GPOs to comply with AS1428.1
   - GPO for refrigerator to be easily accessible when the refrigerator is in it's operation position
   - 800mm countertop to be provided between sink and cooktop
6. BATHROOM: except for walls constructed of solid masonry or concrete, the walls around the shower and toilet should be reinforced to provide a fixing surface for the safe installation of grabrails to support 1100N of force applied in any position and any direction
   - tap sets to be capstan or level handles with single outlet

NOTES TO POST ADAPTABLE PLAN:
- ENTRY DOOR WAY: door handles and hardware to comply with AS1428.1
- LIVING AND DINING ROOM: telephone adjacent to GPO
- BATHROOM: double GPO beside mirror
- LAUNDRY: double GPO



01 UNIT 1 PRE-ADAPTATION
1:100 @ A3



02 UNIT 1 POST-ADAPTATION
1:100 @ A3

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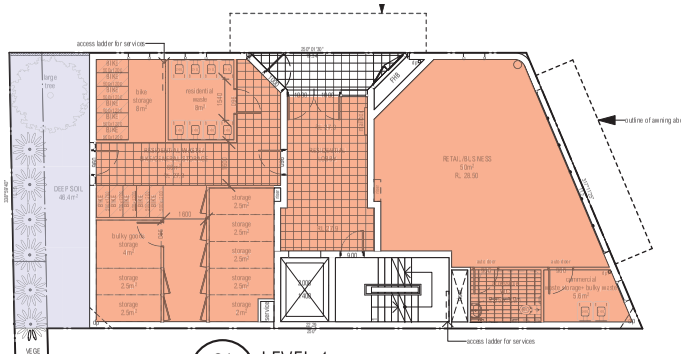
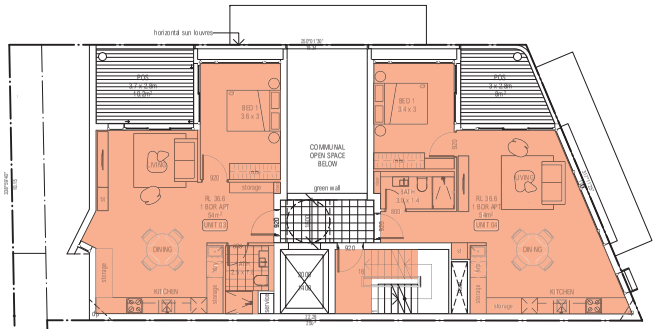
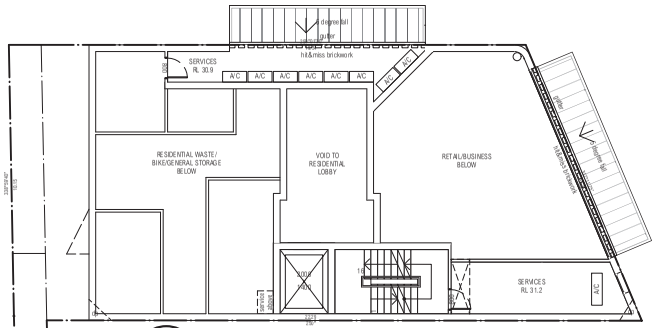
SHOP TOP HOUSING	21 MISSENDEN RD	PRE+POST ADAPTATION PLAN	DA	1022	950
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M



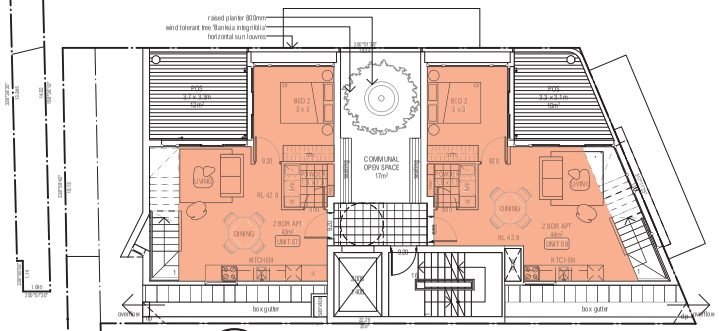
01 LEVEL 1
1:200 @ A3



04 LEVEL 3-4
1:200 @ A3



02 LEVEL 1A
1:200 @ A3



05 LEVEL 5
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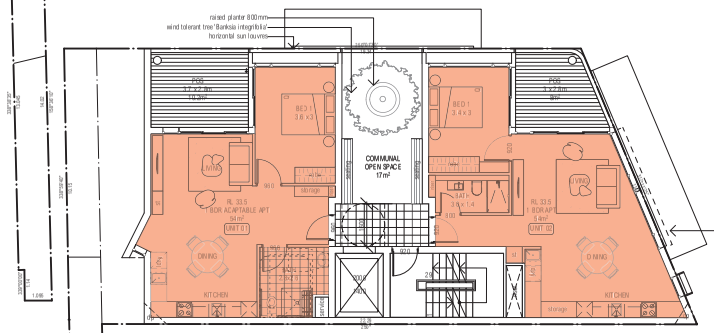
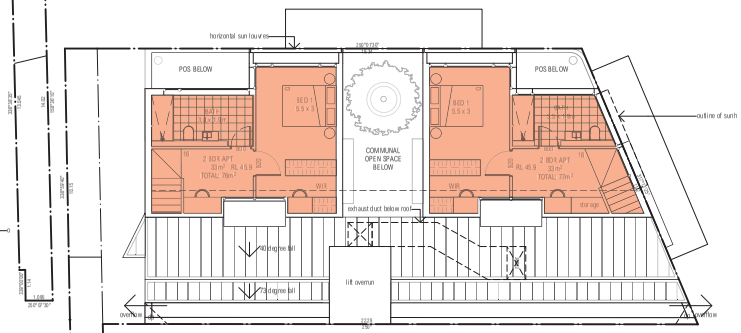


03 LEVEL 2
1:200 @ A3



06 LEVEL 6
1:200 @ A3

SITE:	21 MISSENDEN RD, CAMPERDOWN		
SITE AREA (Lot 1)	208.5		
FSR control	3:1		
FSR area	**625.5**		
ADDITIONAL AREA			
Lots 82,83,84	29.2		
FSR control	1.5:1		
FSR area	**43.8**		
TOTAL FSR AREA	**669.30**		
FSR CALCS	**AREA**	**1B**	**2B**
Basement			
L1 commercial	146		
L2 residential	108	2	
L3 residential	108	2	
L4 residential	113	2	
L5 residential	76		2
L6 residential	65		
TOTAL	616		
TOTALS (Lot 1)	616.0		
TOTALS (Lots 82-84)	0		
TOTAL AREA	**616**		
AREA			
deep soil	30.0		
TOTAL %	14.4%		

GFA

deep soil

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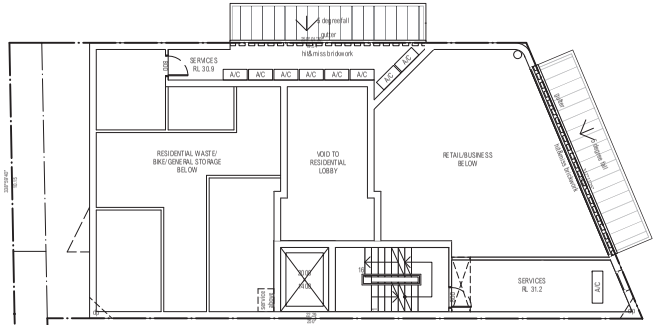
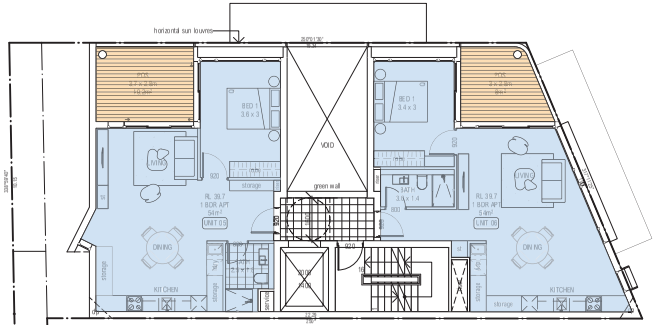
SHOP TOP HOUSING	21 MISSENDEN RD	AREA CALCULATION SUMMARY	DA	1022	980
for/client	**at**	**drawing**	**chkd / drwn**	**date**	**revision**
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M



01 LEVEL 1A
1:200 @ A3



04 LEVEL 4
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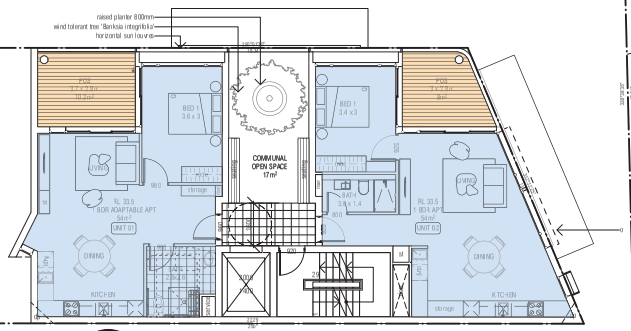
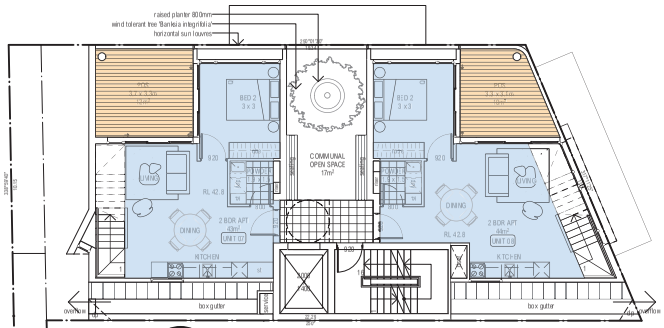


02 LEVEL 2
1:200 @ A3

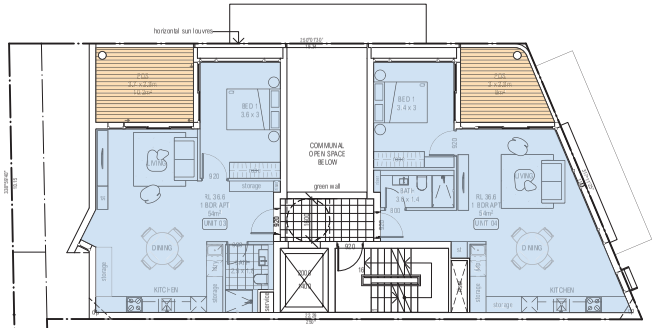


05 LEVEL 5
1:200 @ A3

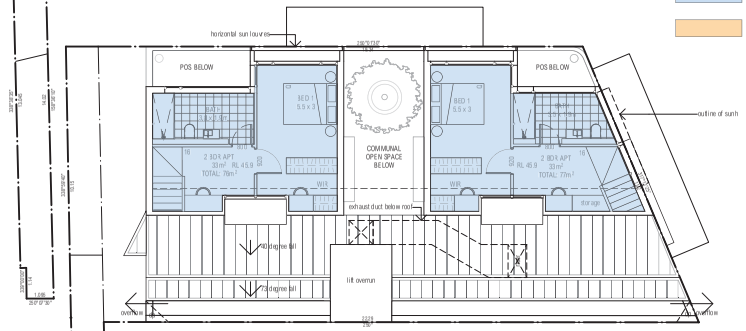
APARTMENT SIZE CALCULATION SUMMARY				
SITE: 21 MISSENDEN RD CAMPERDOWN				
UNIT NO	UNIT TYPE	BALCONY sqm	INTERNAL sqm	TOTAL
UNIT 01	1 BED (A)	10.2	54	64.2
UNIT 02	1 BED	8	54	62
UNIT 03	1 BED	10.2	54	64.2
UNIT 04	1 BED	8	54	62
UNIT 05	1 BED	10.2	54	64.2
UNIT 06	1 BED	8	54	62
UNIT 07	2 BED	12	76	88
UNIT 08	2 BED	10	77	87

INTERNAL FLOOR AREA

BALCONY AREA



03 LEVEL 3
1:200 @ A3



06 LEVEL 6
1:200 @ A3

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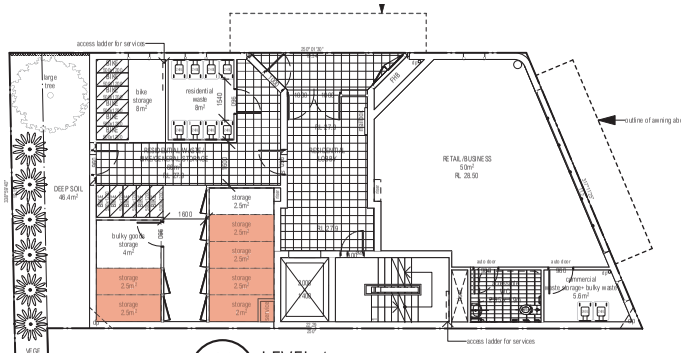
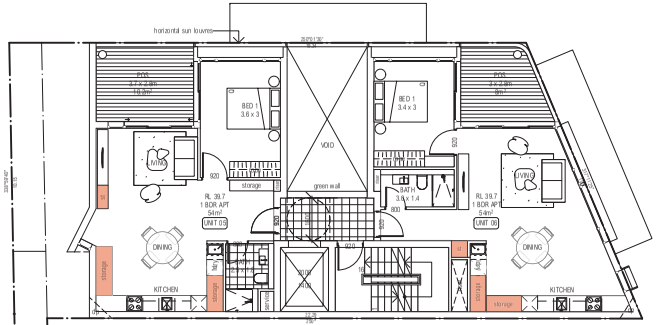
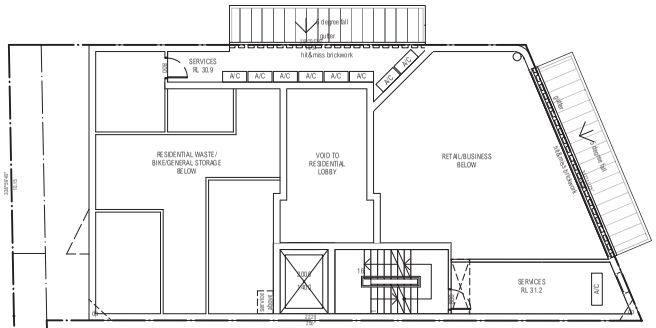
SHOP TOP HOUSING	21 MISSENDEN RD	AREA CALCULATION SUMMARY - APARTMENT SIZE	DA	1022	981
for/client	at	drawing	chkd / drwn	date	revision
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M



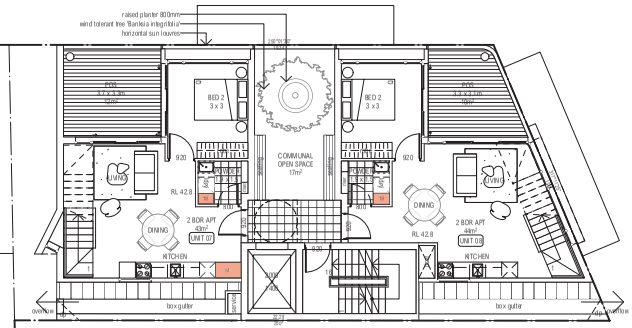
01 LEVEL 1
1:200 @ A3



04 LEVEL 3-4
1:200 @ A3

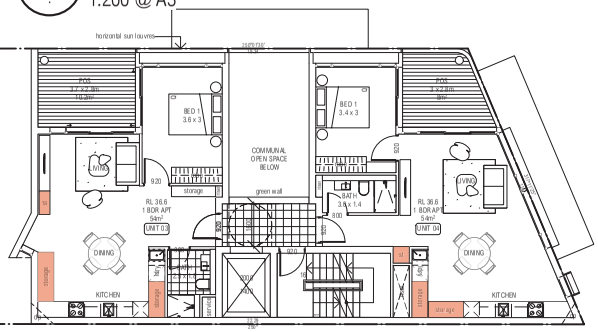


02 LEVEL 1A
1:200 @ A3

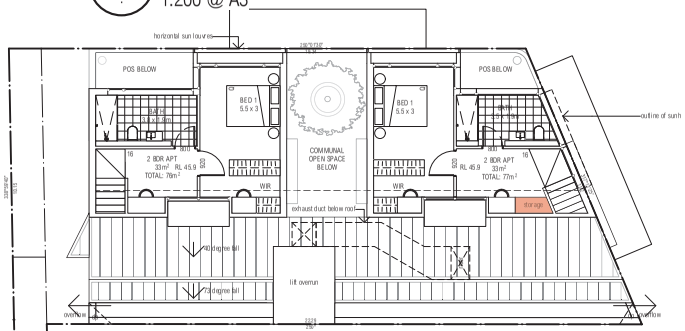


05 LEVEL 5
1:200 @ A3

STORAGE CALCULATION SUMMARY					
SITE:	21 MISSENDEN RD, CAMPERDOWN				
UNIT NO	UNIT TYPE	IN APT cqm	IN LEVEL 1	REQ. cqm	TOTAL cqm
UNIT 01	1 BED (A)	3	5	6	8
UNIT 02	1 BED	4	5	6	9
UNIT 03	1 BED	6	0	6	6
UNIT 04	1 BED	4	5	6	9
UNIT 05	1 BED	6	0	6	6
UNIT 06	1 BED	4	5	6	9
UNIT 07	2 BED	3	5	8	8
UNIT 08	2 BED	3	5	8	8



03 LEVEL 2
1:200 @ A3



06 LEVEL 6
1:200 @ A3

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SHOP TOP HOUSING	21 MISSENDEN RD	AREA CALCULATION SUMMARY - STORAGE	DA	1022	982
for/client	at	drawing	chkd / drwn	date	revision
STC & Co PTY LTD	CAMPERDOWN		TW / LT	4/3/21	M