23-25 CHARLES STREET,LIVERPOOL PROPOSED RESIDENTIAL FLAT BULIDING



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CALCULATIONS

SITE DETAILS 23-25 Charles Street, Liverpool Lot 1 & 2 - DP 500066

Site Area

802m²

COMPLIANCE

CATEGORY	REQUIREMENT	PROPOSAL	CONTENTS	5
Zoning	R4 Residential High Density		PAGE NO.	DRAWING DESCRI
FSR - INCL. AHSEPP	1.5:1+0.5:1 = 2:1 GFA 1604m ²	1,596m2	0000	Perspective
			0001	Perspective
Max Height	24m	8 Storeys	0002	Calculations
Communal Open Space	25% min, 200m ²	218m2, (27%) (Incl. Community Room)	0003	Basix Commitments
Landscaping	30% min, 240m ²	355m2, (44%)	0004	Building Separation Cor
Deep Soil	15% min, 120.3m ²	310m2, (39%)	0005	Building Separation Cor
Parking			0006	Site Analysis
	1 / 1BR Unit (0.4 per unit)		0007	Demolition Plan
	2 / 2BR Unit (0.5 per unit)		0008	Sedimentation Control F
	Visitor n/a under AHSEPP		0009	Site Zones
	= 11 Spaces REQ	11 Resident Spaces provided	0010	Site Plan
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Bicycles Spaces REQ 14	15 Bicycles Spaces provided	1001	Subfloor Plan
Solar Access	70% of units, 16.8 Units	100%, 24 Units	1002	Ground Floor Plan
Natural Ventilation	60% of units, 14.4 Units	100%, 24 Units	1003	Level 1 Plan
		· · · ·	1004	Level 2 Plan
GROSS FLOOR AREA			1005	Level 3 Plan
LEVEL AF	REA (m2)		1006	Level 4 Plan

AREA (m2)
30
289
289
289
176
176
176
170

TOTAL GFA	
	AREA (m2)
	1,596

UNIT BREAKDOWN	
UNIT TYPE	QUANTITY
1 Bed	12
2 Bed	11
TOTAL UNITS	

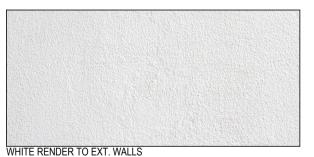
	QUANTITY
	23
UNIT RATING	
RATING	QUANTITY
PLATINUM	11
SILVER	12

ADG - COS		
NAME	AREA (m2)	
Communal Open Space	199	
Communal Room	19	
ADG - LANDSCAPE		
NAME	AREA (m2)	
Landscaping	352	
ADG - DEEP SOIL		
NAME	AREA (m2)	
Deep Soil	307	

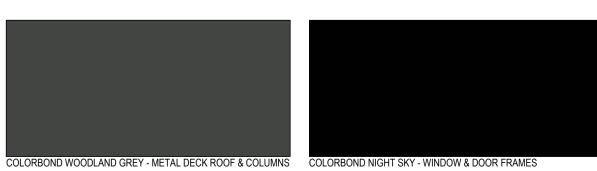
MATERIALS & FINISHES SCHEDULE







CEMINTEL CLADDING TO EXT. WALL. & FEATURE BLADE WALL



DRAWING DESCRIPTIONPerspectiveCalculationsBasix CommitmentsBuilding Separation Context - Up to 4 StoreysBuilding Separation Context - Up to 8 StoreysSite AnalysisDemolition PlanSedimentation Control PlanSite ZonesSite PlanSubfloor PlanGround Floor PlanLevel 1 PlanLevel 2 PlanLevel 3 PlanLevel 4 PlanLevel 5 PlanLevel 6 PlanLevel 7 PlanLevel 8 PlanSouth ElevationSouth ElevationSouth ElevationWest ElevationMill Rd. StreetscapeSection B & Driveway SectionWindow & Door ScheduleAdaptation Details Typical L1 - L3Adaptation Details Typical L7Solar DiargramsCross Ventilation DiagramsShadow DiagramConsolidated Plans - Mill RoadDetailsDimensioned Typical Floor Plan	;							
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Dimensioned Typical Floor Plan								
Strata Subdivision Plan								
		Strata Subdivision Plan						

1007

1008

1009

1010

1011

2001

2002

2003

2004

2005

3001

3002

4001

4002

4003

4004

4005

4006

4007

4008

4009

4010

4011

UNIT SCH	IEDULE				POS SCH	EDULE
UNIT	UNIT TYPE	AREA (m2)	LEVEL	RATING	UNIT	AREA (m2)
Unit 01	2 Bed	71	L1	PLATINUM	Unit 01	14
Unit 02	1 Bed	50	L1	SILVER	Unit 02	8
Unit 03	2 Bed	71	L1	PLATINUM	Unit 03	17
Unit 04	2 Bed	71	L1	PLATINUM	Unit 04	15
Unit 05	2 Bed	71	L2	PLATINUM	Unit 05	14
Unit 06	1 Bed	50	L2	SILVER	Unit 06	8
Unit 07	2 Bed	71	L2	PLATINUM	Unit 07	17
Unit 08	2 Bed	71	L2	PLATINUM	Unit 08	15
Unit 09	2 Bed	71	L3	PLATINUM	Unit 09	14
Unit 10	1 Bed	50	L3	SILVER	Unit 10	8
Unit 11	2 Bed	71	L3	PLATINUM	Unit 11	17
Unit 12	2 Bed	71	L3	PLATINUM	Unit 12	15
Unit 13	1 Bed	54	L4	SILVER	Unit 13	8
Unit 14	1 Bed	51	L4	SILVER	Unit 14	8
Unit 15	1 Bed	50	L4	SILVER	Unit 15	10
Unit 16	1 Bed	54	L5	SILVER	Unit 16	8
Unit 17	1 Bed	51	L5	SILVER	Unit 17	9
Unit 18	1 Bed	50	L5	SILVER	Unit 18	11
Unit 19	1 Bed	54	L6	SILVER	Unit 19	8
Unit 20	1 Bed	51	L6	SILVER	Unit 20	9
Unit 21	1 Bed	50	L6	SILVER	Unit 21	11
Unit 22	2 Bed	76	L7	PLATINUM	Unit 22	10
Unit 23	2 Bed	78	L7	PLATINUM	Unit 23	22

AFFORDABLE HOUSING UNITS

	& CoL Copyr these Ltd. I perming archite conjur on air air accom be d do n are s allowe positic accorr meter: Energ device davelc AAA where	Incil cc ight:Th draw Use of ssion ement ectural actural actural cotion poplianc nside nmoda letermi ot so subjec subjec subjec subjec nnce on of dance y Sr es in flow iant actural soppmen rated	ndition re c ings s or du of of c drav with hots, F hob of te dr ined t to has elect to has elect to has elect to t c hot regula ble.	ns. concep are plicative ldraft f c. wings. color PC ite dime hob rainage on s Finish site beer rical the f Desigg raim ators, water f	ots the on in Gro copyrig The ours & ansions bulk e line ite. I led g condit meas a ma meter turret furret furret sys star copania	& ii copyri part pup ht. select select cost ions, select so h positi cound ions, iure positi AAA tank flus stems rs ar ts a	nforma ght o or ii Pty Do notes sion f wer s steel figured leve all o during for s be de on fr rated h to witt ve to wr e to	ation of ldr n full Ltd not musi screen y be screen y be bea con shrinka etermir y ont t wate ower ilets n mi be	contraft (without constructions) to be ddition shown is to be re- ension own is to be re- ension own is to be re- struction own is to be re- own is to be re- ension own is t	cale reac reac al de n on be quired positior on so dimens on & on r tap on situ n tap onserv ds, v sistems m gd in	in Pty ritten an off l in etails plan fitted to n to VLY, values e in vater e reen this use
										REV 2	ISSUE
										REVISED CONCEPT BASED ON DRP AND PRE DA COMMENTS	DRAWING DESCRIPTION
										21/07/20	DATE
23-25 Charles Street, Liverpool		sign sign	ti no strole in	Ititi ure production in the second se	on coma coma coma coma coma coma coma coma			a de on	ei enta	gh ial ini	5347 v2160 ng



Accreditation No.

Address

Raymond Sleiman

DMN/12/1472

Schedule of BASIX commitments				(iii) Thermal Comfort		
The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development certificate issued, for the proposed development, that BASIX commitments be complied with.	oment consen	t granted, or complyir	ng	(d) The applicant must sho which the Thermal Cor the Accredited Assesso	mfort Prot	
1. Commitments for Residential flat buildings - 23-25 Charles				(e) The applicant must sho certificate, if applicable	ow on the e), all ther	
(a) Dwellings				development which we (f) The applicant must con-	struct the	
(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check			
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.(b) The applicant must plant indigenous or low water use species of vegetation throughout the area of land specified for the dwelling				(aa) Install insulatio		
 in the "Indigenous species" column of the table below, as private landscaping for that dwelling. (This area of indigenous vegetation is to be contained within the "Area of garden and lawn" for the dwelling specified in the "Description of Project" table). (c) If a rating is specified in the table below for a fixture or appliance to be installed in the dwelling, the applicant must ensure that 	~	`		(bb) On a suspende edges of the p		
 (c) If a rating is specified in the table below for a fixture of appliance to be installed in the dwelling, the applicant must ensure that each such fixture and appliance meets the rating specified for it. (d) The applicant must install an on demand hot water recirculation system which regulates all hot water use throughout the dwelling, 		~	~	(h) The applicant must cor below.		
 (a) The applicant must install all of domain intervation of domain of solution of the table below. (e) The applicant must install: 		~	~	(i) The applicant must show ceiling fans set out in th	he Asses	
(aa) a hot water diversion system to all showers, kitchen sinks and all basins in the dwelling, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below; and		~	~	(j) The applicant must show certificate, if applicable	e), the loca	
(bb) a separate diversion tank (or tanks) connected to the hot water diversion systems of at least 100 litres. The applicant must connect the hot water diversion tank to all toilets in the dwelling.		~	~			
(e) The applicant must not install a private swimming pool or spa for the dwelling, with a volume exceeding that specified for it in the table below.	~	~		Dwelling no.		
(f) If specified in the table, that pool or spa (or both) must have a pool cover or shading (or both).(g) The pool or spa must be located as specified in the table.		~		2		
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in		`		3 4		
the table below. Each system must be configured to collect run-off from the areas specified (excluding any area which supplies any other alternative water supply system), and to divert overflow as specified. Each system must be connected as specified. Fixtures Appliances Individual pool		Individual	sna	5		
Dwelling All shower- All toilet All kitchen All bathroom HW recirculation All clothes Volume washers Volume (max Pool cover	Pool	Volume Spa	Spa shaded	7		
All 4 star (> 4 star 5 star 5 star no - 4 star - - -	-	volume)	-	Dwelling no.		
dwellings 6 but <= 7.5 L/min)				8 9		
				10 11		
Alternative water source	1.000	Deal	Cha tan un	12 13		
Dwelling no. Alternative water supply systems Size Configuration Landscape connection Toilet connection	ction conne		Spa top-up	14		
None	-	-	-	15 - 16		
(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check	- 17 18		
(a) The applicant must comply with the commitments listed below in carrying out the development of a dwelling listed in a table below.(b) The applicant must install each hot water system specified for the dwelling in the table below, so that the dwelling's hot water is	-			19 20		
supplied by that system. If the table specifies a central hot water system for the dwelling, then the applicant must connect that central system to the dwelling, so that the dwelling's hot water is supplied by that central system.	~	~	~	21		
(c) The applicant must install, in each bathroom, kitchen and laundry of the dwelling, the ventilation system specified for that room in the table below. Each such ventilation system must have the operation control specified for it in the table.		~	~	All other dwellings (b) Common areas and c	ontral e	
(d) The applicant must install the cooling and heating system/s specified for the dwelling under the "Living areas" and "Bedroom areas" headings of the "Cooling" and "Heating" columns in the table below, in/for at least 1 living/bedroom area of the dwelling. If no cooling or heating system is specified in the table for "Living areas" or "Bedroom areas", then no systems may be installed in		 	~			
any such areas. If the term "zoned" is specified beside an air conditioning system, then the system must provide for day/night zoning between living areas and bedrooms.				(i) Water (a) If, in carrying out the de	evelopme	
(e) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Artificial lighting" column of the table below (but only to the extent specified for that room or area). The applicant must ensure that the "primary type of artificial lighting" for each such room in the dwelling is fluorescent lighting or light emitting diode (LED) lighting. If the term "dedicated" is		~	~	(a) if, in carlying out the de item must meet the spe (b) The applicant must inst	ecification	
specified for a particular room or area, then the light fittings in that room or area must only be capable of being used for fluorescent lighting or light emitting diode (LED) lighting.			0.00	"Central systems" colu specified in the table.		
(ii) Energy (f) This commitment applies to each room or area of the dwelling which is referred to in a heading to the "Natural lighting" column of	Show on DA plans	Show on CC/CDC plans & specs	Certifier check	(c) A swimming pool or spattable.(d) A pool or spatisted in t		
the table below (but only to the extent specified for that room or area). The applicant must ensure that each such room or area is fitted with a window and/or skylight.	 	~	~	(a) A pool of spansted in t		
 (g) This commitment applies if the applicant installs a water heating system for the dwelling's pool or spa. The applicant must: (aa) install the system specified for the pool in the "Individual Pool" column of the table below (or alternatively must not install 				(f) The applicant must ens		
 any system for the pool). If specified, the applicant must install a timer, to control the pool's pump; and (bb) install the system specified for the spa in the "Individual Spa" column of the table below (or alternatively must not install any system for the spa). If specified, the applicant must install a timer to control the spa's pump. 						
(h) The applicant must install in the dwelling:					heads rat	
 (aa) the kitchen cook-top and oven specified for that dwelling in the "Appliances & other efficiency measures" column of the table below; (bb) each appliance for which a rating is specified for that dwelling in the "Appliances & other efficiency measures" column of 		~		All common no comm areas	non facility	
the table, and ensure that the appliance has that minimum rating; and (cc) any clothes drying line specified for the dwelling in the "Appliances & other efficiency measures" column of the table.		`	~	(ii) Energy		
 (i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated". 		, j		(a) If, in carrying out the de below, then that ventila		
		•		specified.(b) In carrying out the development	elopment,	
Hot water Bathroom ventilation system Kitchen ventilation system		aundry ventilation sys		specified in the table be The applicant must als where specified.		
Dwelling no.Hot water systemEach bathroomOperation controlEach kitchenOperation controlAllgas instantaneous 5.5individual fan, ductedinterlocked to lightindividual fan, ductedmanual switch on/off	Each laun		n control witch on/off	(c) The applicant must inst case, the system or fixt		
All gas instantaneous 5.5 Individual ran, ducted Interfocked to light Individual ran, ducted Individual ran, ducted dwellings star to façade or roof to façade or roof Artificial lighting	to façade o	or roof	ral lighting	Common area	Venti	
Dwellingliving areasbedroomNo. ofNo. ofEachAllno.areasareasbedroomsbedroomsliving &/orkitchenbathrooms	Each 5/ laundry	All No. o hallways bathr	Main boms kitcher	r Car park area	no m	
4.0.1 4.2.4		&/or toilets		Lift car (No.1)	-	
1, 3, 4,1-phase-1-phase-21yesyes5, 7, 8,airconditioningairconditioning1airconditioning-21yesyes9, 11,1 star1 star1 star1yesyesyesyesyes	yes	yes 0	no	Service room Pump Room	no mo ventil	
12, 22, 23(average zone)(average zone)(average zone)(average zone)All1-phase-11yesyes	yes	yes 0	no	WC (G/F)	exhai ventil	
other airconditioning dwellings 1 star	yes	yes 0	no	WC (Roof) Ground floor lobby	ventil no m	
(average zone) (average zone)				Hallway/Lobby (L1-L7)	no m	
Individual pool Individual spa Appliances & other efficien	ncy measures			Stairs	no m	
Dwelling Pool heating Timer Spa heating Timer Kitchen Refrigerator Well Dishwasher C	-	othes Indoor or	Private outdoor or		_	
fridge space		clothes drying line	unsheltered clothes drying line	Central energy systems Lift (No. 1)	-	
All dwellings - - - electric cooktop & - no 2.5 star -	- 1.5		no			
electric oven						
(iii) Thermal Comfort	Show on	Show on CC/CDC	Certifier]		
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the	DA plans	plans & specs	check	-		
"Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for a final occupation certificate for the proposed development.						
 (b) The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol. (c) The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX 				-		
Certificate, including the details shown in the "Thermal Loads" table below.						

		Show on DA plans	Show on CC/CDC plans & specs	Certifier check	4. Commitme	ents for common are	as and central systems	/facilities for the development (non-bu	ilding spec	ific)	
the plans accompanying the development application Protocol requires to be shown on those plans. Those p certify that this is the case.	for the proposed development, all matters plans must bear a stamp of endorsement from	~				eas and central systems	facilities				
the plans accompanying the application for a construct thermal performance specifications set out in the Asse	ction certificate (or complying development		~		(i) Water				Show on DA plans	Show on CC/CDC plans & specs	Certifie check
sed to calculate those specifications.	ssor Germaale, and an aspects of the proposed		•			g out the development, the a neet the specifications listed f		let, tap or clothes washer into a common area, then th	at		
t the development in accordance with all thermal perfor ce with those aspects of the development application o to calculate those specifications.	rmance specifications set out in the Assessor or application for a complying development		~	~	(b) The applica	nt must install (or ensure that stems" column of the table be	the development is serviced by)	the alternative water supply system(s) specified in the ist be sized, be configured, and be connected, as	~	~	-
eating or cooling system, the applicant must:	~	 	~			must not have a volume (in kLs)	greater than that specified for the pool or spa in the		~		
th an R-value of not less than 1.0 around the vertical edges of the perimeter of the slab; or bor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical eter of the slab. Ct the floors and walls of the development in accordance with the specifications listed in the table the plans accompanying the development application for the proposed development, the locations of ssessor Certificate.			not less than 1.0 around the vertical edges of the perimeter of the slab; or (d) A pool or spa listed in the		a listed in the table must have a cover or shading if specified for the pool or spa in the table.				· ·		
					(e) The applicant must install each fire sprinkler system listed in the table so that the system is configured as specified in the table.					~	~
					(f) The applicar	nt must ensure that the centra	l cooling system for a cooling tow	rer is configured as specified in the table.		v	~
the plans accompanying the application for a construct e locations of ceiling fans set out in the Assessor Certifi	tion certificate (or complying development		~								
			•		Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washe	's rating	
	Thermal loads				All common areas	no common facility	4 star	5 star	4 star		
Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooli	ng load (in m.)	l/m²/vr)					I			
61.4	35.8				(ii) Energy				Show on DA plans	Show on CC/CDC plans & specs	Certifie check
62.3	16.4				(a) If, in carryin	g out the development, the a	plicant installs a ventilation syste	m to service a common area specified in the table			
42.7	16.7 28.1				specified.	that ventilation system must	be of the type specified for that c	ommon area, and must meet the efficiency measure		•	•
50.4	27.2							type of artificial lighting" for each common area			
53.4	21.5							his lighting must meet the efficiency measure specified ding Management System (BMS) for the common area		×	· ·
29.0	17.4				where spec				~,		
	Thermal loads						d fixtures specified in the "Centra type, and meet the specification	I energy systems" column of the table below. In each	~		
							rype, and meet the specification		•	•	1 *
Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooli	ng load (in mJ	/m²/yr)		Central energy	systems	Туре	Specification			

Legend

Area adjusted heating load (in mJ/m²/yr)	Area adjusted cooling load (in mJ/m²/yr)					
		Central energy systems	Туре	Spec		
27.2	28.1	Alternative energy supply	Photovoltaic system	Rate		
58.7	33.9			rtato		
59.5	24.1	Notes				
45.2	18.6					
30.1	25.0	1. In these commitments, "applican	t" means the person carrying out the	developme		
34.0	21.0					
22.5	27.0	 2. The applicant must identify each dwelling, building and common area I specifications accompanying the application for a construction certificareference as is given to that dwelling, building or common area in this 3. This note applies if the proposed development involves the erection of the proposed development involves the erection development involves the proposed development involves development involves the er				
22.0	38.9					
31.5	21.6	residential and non-residential p	ourposes). Commitments in this certif			
21.5	27.9		be used for residential purposes.			
22.2	39.1		stem as a commitment for a dwelling nce (even if it is separately listed as			
30.4	21.7	5. If a star or other rating is specifie	d in a commitment, this is a minimun	n rating.		
20.7	28.6		e installed under these commitments			
23.3	39.0	NSW Health does not recomme human consumption in areas wi	nd that stormwater, recycled water o	or private da		
61.9	27.0					

37.3 systems/facilities

	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
oment, the applicant installs a showerhead, toilet, tap or clothes washer into a common area, then that tions listed for it in the table.		~	v
r ensure that the development is serviced by) the alternative water supply system(s) specified in the the table below. In each case, the system must be sized, be configured, and be connected, as	~	~	~
d in the table must not have a volume (in kLs) greater than that specified for the pool or spa in the	~	~	
ble must have a cover or shading if specified for the pool or spa in the table.		~	
ch fire sprinkler system listed in the table so that the system is configured as specified in the table.		~	v
at the central cooling system for a cooling tower is configured as specified in the table.		~	v

34.6

						_						
-	oilets rating	Taps rating	Clo	othes washers rating								
ility 4	star	5 star	4 s	tar								
				Show on DA plans	Show on CC/CDC plans & specs	Certifier check						
	Ills a ventilation system to service a e specified for that common area, a				~	~						
he lighting specified for	nstall, as the "primary type of artifici that common area. This lighting mu control system or Building Manager	st meet the efficiency measure	specified.		~	~						
	ecified in the "Central energy syste neet the specifications, listed for it in		In each	~	~	~						
Common are	a ventilation system		Comm	on area lighti	ing							
ntilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting measure	efficiency	Lighting con system/BMS	trol						
mechanical ventilation	-	compact fluorescent	daylight s sensor	ensor and mo	tion No							
	-	light-emitting diode	connecte	d to lift call but	tton No							
mechanical ventilation	-	compact fluorescent	manual o	n / manual off	No							
ntilation (supply + haust)	thermostatically controlled	compact fluorescent	manual o	n / manual off	No							
ntilation exhaust only	time clock or BMS controlled	light-emitting diode	motion se	ensors	No							
ntilation exhaust only	time clock or BMS controlled	light-emitting diode	motion se	ensors	No							
mechanical ventilation	-	light-emitting diode	daylight s sensor	ensor and mo	tion No							
mechanical ventilation	-	light-emitting diode	daylight s sensor	ensor and mo	tion No							
mechanical ventilation	-	compact fluorescent	motion se	ensors	No							

1. Commitments identified with a " 🥑 " in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development). 2. Commitments identified with a " y " in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction

- certificate / complying development certificate for the proposed development.
- it is required to monitor in relation to the building or part, has been fulfilled).

	Multiple Dw	ertificat	e		tay smi
	Non-Regulatory I	Document		ENERGY RATING SCHEME	consulti
Assessor					
	Raymond Sleiman	Company: Ta	aylor Smith Consul	ting D	MN #: 12/1472
	PO Box 5044 Kingsden				
	02 9890 8002		Email: rsleima	n@taylorsmith.co	m.au
Client				0,	
	Michael Trinh		Company	: iDraft Group Pty	v Ltd
Address:	Unit 43, 2 Slough Aven	ue, Silverwater NSV			,
	02 9648 8848			l@idraft.com.au	
Project				-	
	23-25 Charles St, Liver	Dool NSW 2170			
	Hume Community Hous		LGA: Liverpo	ool	
Assessment	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>			
	2/2020 File ref: 2020	0410 Software:	AccuRate Ve	rsion: 2.4.3.21	Climate Zone:
Documentatio					
Assessor Ce		essor # 12/1472		005484000 l	ssued: 09/12/20
_		rformance specifi	cations		Page 1 of 2
		(2.10)			
Unit numbe		area (M ²)	Predict. Ic	ads (MJ/M ² /y)	Star Rating
Unit numbe		area (M²) Uncond.	Predict. Id Heat	ads (MJ/M²/y) Cool (Sens & Lat)	Star Rating
Unit numbe	r(s)	1		Cool	Star Rating
	r(s) Cond.	Uncond.	Heat	Cool (Sens & Lat)	
1	r(s) Cond. 69.2	Uncond. 0.0	Heat 61.4	Cool (Sens & Lat) 35.8	5.6
1 2	r(s) Cond. 69.2 48.6	Uncond. 0.0 0.0	Heat 61.4 62.3	Cool (Sens & Lat) 35.8 16.4	5.6
1 2 3 4	r(s) Cond. 69.2 48.6 68.9 68.3	Uncond. 0.0 0.0 0.0 0.0 0.0	Heat 61.4 62.3 42.7 36.7	Cool (Sens & Lat) 35.8 16.4 16.7 28.1	5.6 6.4 7.3 7.1
1 2 3	r(s) Cond. 69.2 48.6 68.9 68.3 69.2	Uncond. 0.0 0.0 0.0 0.0 0.0	Heat 61.4 62.3 42.7 36.7 50.4	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2	5.6 6.4 7.3 7.1 5.9
1 2 3 4 5 6	r(s) Cond. 69.2 48.6 68.9 68.3 69.2 48.6	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Heat 61.4 62.3 42.7 36.7 50.4 53.4	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5	5.6 6.4 7.3 7.1 5.9 6.6
1 2 3 4 5	r(s) Cond. 69.2 48.6 68.9 68.3 69.2 48.6 68.9	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4	5.6 6.4 7.3 7.1 5.9 6.6 7.9
1 2 3 4 5 6 7 8	r(s) Cond. 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4
1 2 3 4 5 6 7 8 9	r(s) Cond. 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.9 68.3 68.3 69.2	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2
1 2 3 4 5 6 7 8 9 10	r(s) Cond. 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 68.3 68.3 69.2 48.6	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2
1 2 3 4 5 6 7 8 9 9 10 11	r(s) Cond. 69.2 48.6 68.3 69.2 48.6 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1
1 2 3 4 5 6 7 8 9 10 11 11 12	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4
1 2 3 4 5 6 7 8 9 10 11 11 12 13	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 68.9 68.3 52.4	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1 34.0	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4 7.5
1 2 3 4 5 6 7 8 9 10 11 12 13 14	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.3 68.2 68.3 68.2 48.6 68.9 68.3 52.4 51.6	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1 34.0 22.5	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0 27.0	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4 7.5 7.7
1 2 3 4 5 6 7 8 9 9 10 11 11 12 13 14 15	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 52.4 51.6 48.2	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1 34.0 22.5 22.0	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0 27.0 38.9	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.5 7.7 7.2
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 52.4 51.6 48.2	Uncond. 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1 34.0 22.5 22.0 31.5	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0 27.0 38.9 21.6	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4 7.5 7.7 7.2 7.6
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 69.2 48.6 52.4 51.6 48.2 52.4 51.6	Uncond. 0.0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 34.0 22.5 22.0 31.5 21.5	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0 27.0 38.9 21.6 27.9	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4 7.5 7.7 7.2 7.6 7.8
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 52.4 51.6 48.2 52.4 51.6	Uncond. 0.0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1 34.0 22.5 22.0 31.5 21.5	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0 27.0 38.9 21.6 27.9 39.1	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4 7.5 7.7 7.2 7.6 7.2 7.2
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 52.4 51.6 48.2 52.4 51.6	Uncond. 0.0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1 34.0 22.5 22.0 31.5 21.5 22.2 30.4	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0 27.0 38.9 21.6 27.9 39.1 21.7	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4 7.5 7.7 7.2 7.6 7.2 7.6 7.6
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 52.4 51.6 48.2 52.4 51.6	Uncond. 0.0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1 34.0 22.5 22.0 31.5 21.5 22.2 30.4 20.7	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0 27.0 38.9 21.6 27.9 39.1	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4 7.5 7.7 7.2 7.6 7.8 7.2 7.6 7.8 7.8 7.8 7.8
1 2 3 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 52.4 51.6 48.2 52.4 51.6	Uncond. 0.0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1 34.0 22.5 22.0 31.5 21.5 22.2 30.4	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0 27.0 38.9 21.6 27.9 39.1 21.7	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4 7.5 7.7 7.2 7.6 7.2 7.6 7.6
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20	r(s) 69.2 48.6 68.9 68.3 69.2 48.6 68.3 69.2 48.6 68.9 68.3 69.2 48.6 68.9 68.3 52.4 51.6 48.2 52.4 51.6	Uncond. 0.0	Heat 61.4 62.3 42.7 36.7 50.4 53.4 29.0 27.2 63.2 59.5 45.1 30.1 34.0 22.5 22.0 31.5 21.5 22.2 30.4 20.7	Cool (Sens & Lat) 35.8 16.4 16.7 28.1 37.2 21.5 17.4 28.1 43.8 24.1 18.6 25.0 21.0 27.0 38.9 21.6 27.9 39.1 21.7 28.6	5.6 6.4 7.3 7.1 5.9 6.6 7.9 7.4 5.2 6.2 7.1 7.4 7.5 7.7 7.2 7.6 7.8 7.2 7.6 7.8 7.8 7.8 7.8

Specification Туре geared traction with V V A C Number of levels (including basement): 9 motor

	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
et, tap or clothes washer into a common area, then that		~	~
e alternative water supply system(s) specified in the t be sized, be configured, and be connected, as	~	~	~
reater than that specified for the pool or spa in the	~	~	
the pool or spa in the table.		~	
at the system is configured as specified in the table.		~	~
r is configured as specified in the table.		~	~

Rated electrical output (min): 20.0 peak kW

velopment. ted in this certificate, on the plans accompanying any development application, and on the plans and te / complying development certificate, for the proposed development, using the same identifying letter or certificate. building for both residential and non-residential purposes (or the change of use of a building for both te which are specified to apply to a "common area" of a building or the development, apply only to that part of building, and that system will also service any other dwelling or building within the development, then that commitment for that other dwelling or building).

f any), must be installed in accordance with the requirements of all applicable regulatory authorities. NOTE: rivate dam water be used to irrigate edible plants which are consumed raw, or that rainwater be used for

3. Commitments identified with a "💕" in the "Certifier check" column must be certified by a certifying authority as having been fulfilled. (Note: a certifying authority must not issue an occupation certificate (either interim or final) for a building listed in this certificate, or for any part of such a building, unless it is satisfied that each of the commitments whose fulfilment

2	essor # 1		Certificate # 00			Issued: 09/12/20
		Therm	al Performanc	e Specifica	tions	
drawings or writ element, that sp	ten specificati ecification mu	ons, these Specifications ist apply to all instances of	shall take precede of that element for i	nce. If only one he project. If al	e specification op ternate specificat	pecifications vary from othe tion is detailed for a building tions are detailed for a build ted on referenced document
Windows P	Product ID	Glass	Frame	U vai	lue SHGC Ar	rea M² Detail
Unit 02		Double Low-E	Aluminium	3.1	0.39	Awning
		Double Low-E	Aluminium	3.1	0.49	Sliding, Fixed
Units 06, 10		Double Low-E	Aluminium	4.3	0.47	Awning
		Double Low-E	Aluminium	4.3	0.53	Sliding, Fixed
All Other Units		Single Low-E	Aluminium	5.4	0.49	Awning
		Single Low-E	Aluminium	5.4	0.58	Sliding, Fixed
Skylights	Product ID	Glass	Frame	U value	SHGC Area I	M ² Detail
		HGC values, if specified, value is less than 10% h				ifications may be used if the product specified above.
External walls	Construction	Insulation	Colour – sol	ar abs.	Detail	
Cavity Brick		None	Medium – S	A 0.475–0.7	Ground Floor Ca	arpark
Cavity Brick		10mm Foilboard	d Medium – S	A 0.475–0.7	Level 1 - 3	
FC / Cavity Bric	< .	10mm Foilboard	d Medium – S	A 0.475–0.7	Level 4 - 7	
Internal walls	Construction	Insulation	Detail			
Plasterboard on	Studs	None	As per plans			
Cavity Brick		10mm Foilboard	d Lobby Walls			
Cavity Brick		None	Party Walls			
Concrete Block	(FCF)	None	Lift / Stair W	alls		
Floors	Construction	Insulation	Covering		Detail	
Concrete		R3.0 EPS	Carpet / Ce	ramic Tiles	Unit 01 & 02 - C	arpark & Open Air Below
Concrete		R2.0 EPS	Carpet / Ce	ramic Tiles	Carpark & Open	Air Below
Concrete		None	Carpet / Ce	ramic Tiles	As per plans	
Ceilings	Construction	Insulation	Detail			
Concrete		None	As per plans			
Roof	Construction	Insulation	Colour – sol	ar abs.	Detail	
Concrete		R3.0 Bulk	Light – SA <	0.475	Roof / Balco	ny - Insulation in Ceiling Be
						,
Overshadowing	Oversl	nadowing structures		Overshadowing	trees	
Future West Ne	ghbour					
Orientation, Ex		ilation and Infiltration 275				
Terrain categor		Suburban				
Seals to windo		Yes		XXX	00054	84000 09 Dec 2020
Lighting plan p		No		+ 7	Assesso	
Recessed dow		No		★ 1.	27	VV 217 R
Ceiling Fans:		YES		Avera		0000 <u>579</u> 000
				star ra		
				NATION		arles Street
				DATEGY BATOR	Liverpool	, NSW, 2170
				www.nather	and the second se	

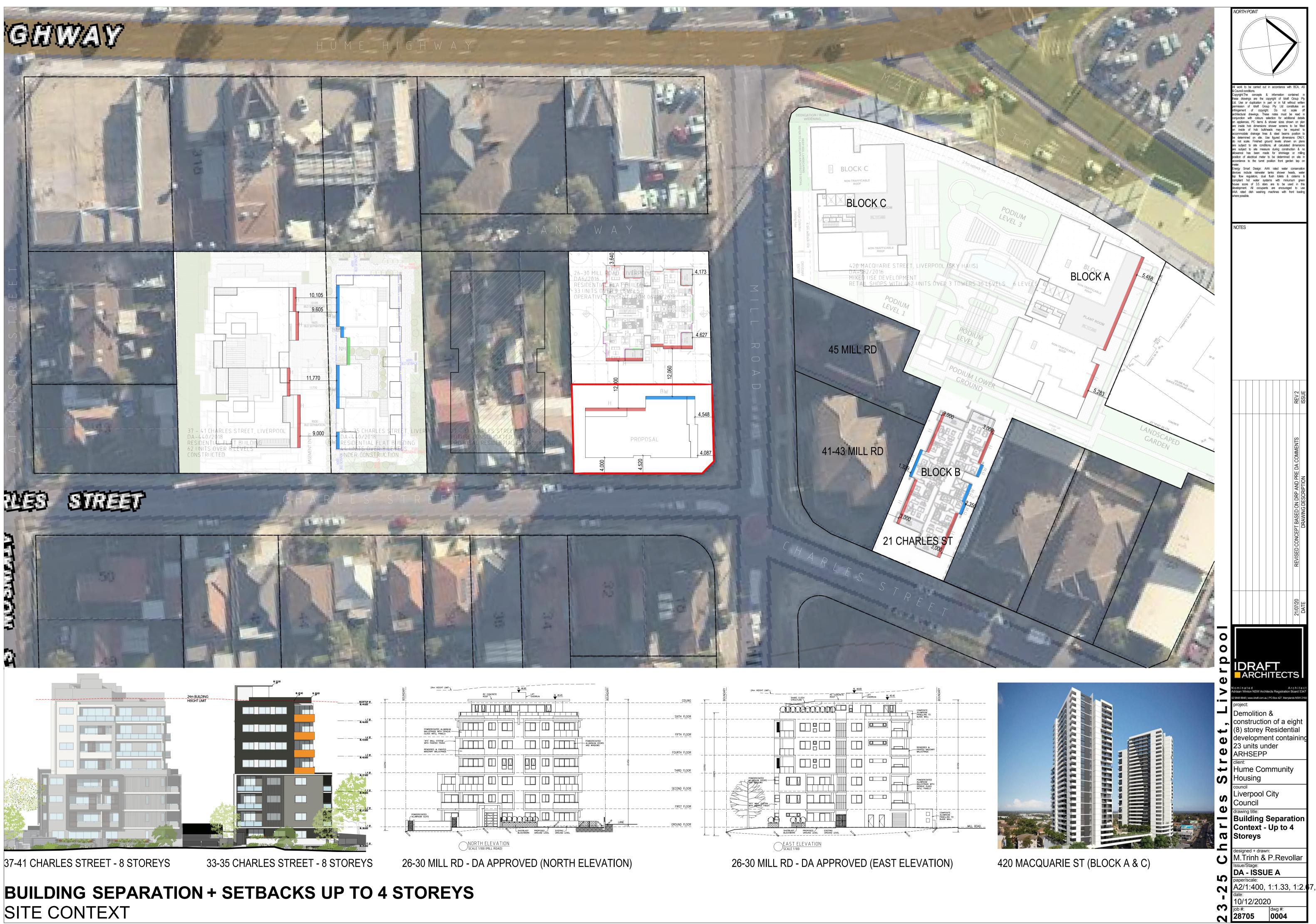
								REV 2	ISSUE
t								REVISED CONCEPT BASED ON DRP AND PRE DA COMMENTS	DRAWING DESCRIPTION
								21/07/20	DATE
	driaa proj De CO (8) de 23 AF Clier Hu CO drav B des M. Issu D pap A2 date 10 job	igned igned	blitti rucoppi its El e C interiore oppi its El $e Cinteriore oppi its Ele Cinteriore oppi its Ele Cinteriore oppi its Ele Cinteriore oppi itteriore oppiinteriore oppi interiore oppiinteriore oppiinteriore oppi interiore oppiinteriore oppiinteriore oppi interiore oppiinteriore oppiinteriore oppiinteriore oppiint$	on tic y I me ur P Col Col Col Traww S C	$\frac{1}{1} \frac{1}{2} \frac{1}$	i of esigned to the second sec	ei enta ity	gh ial ini	t ng ts

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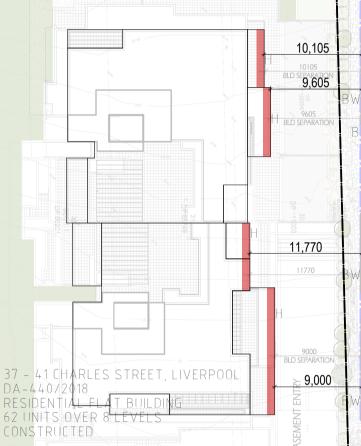
NOTES

BUILDING SEPARATION + SETBACKS UP TO 4 STOREYS SITE CONTEXT







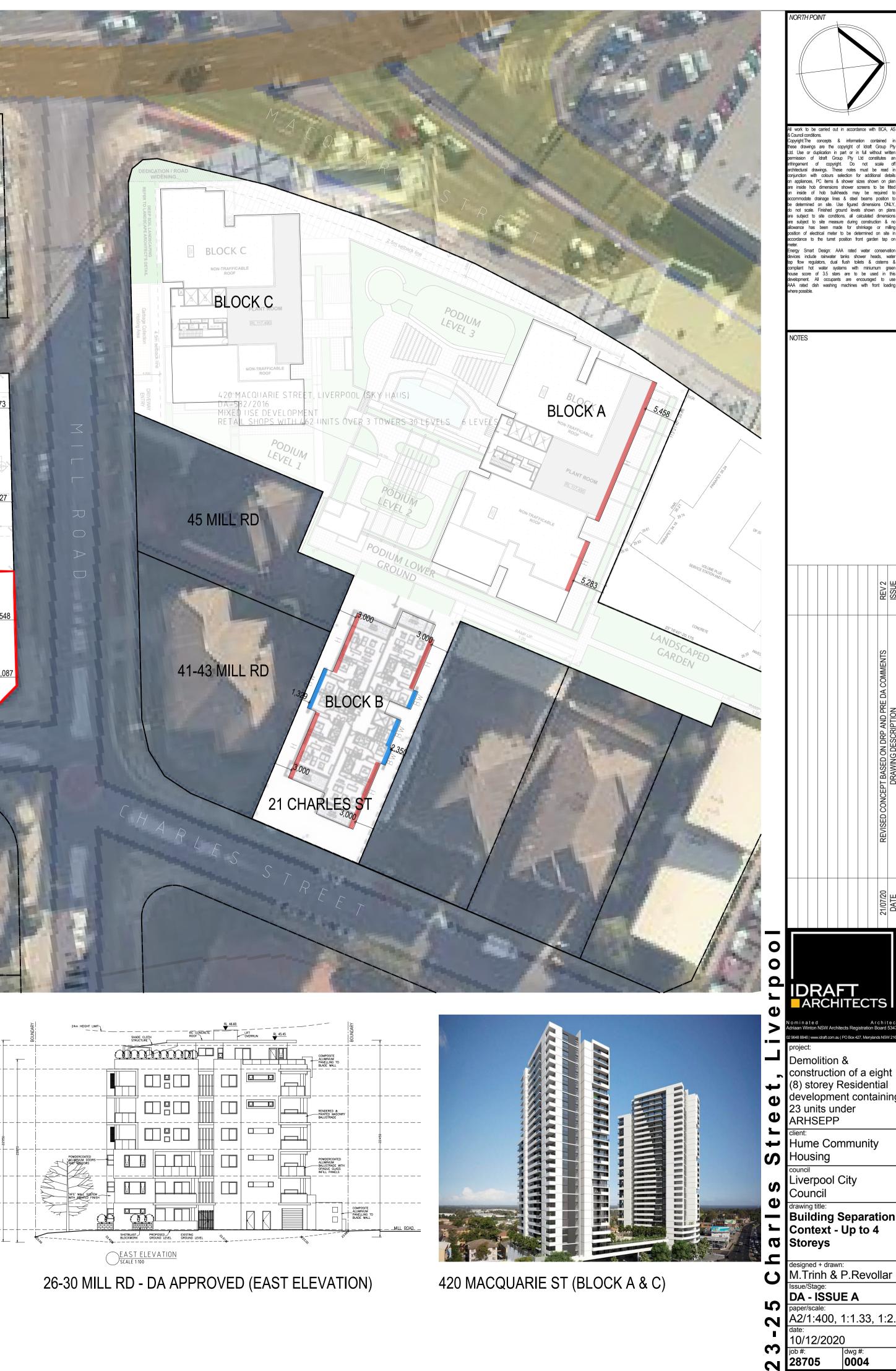








		CEILING
	POWDERCOATED ALUMINUM DOORS AND WINDOWS	FIFTHFLOOR
		SECOND_FLOOR
╧╝╧┫╍┙┥╴╌╟ ╕╗╢┏┱┑╴╶╟		FIRST_FLOOR
		GROUND_FLOOR
	IST PROPOSED JEVISTING JORK GROUND LEVEL	



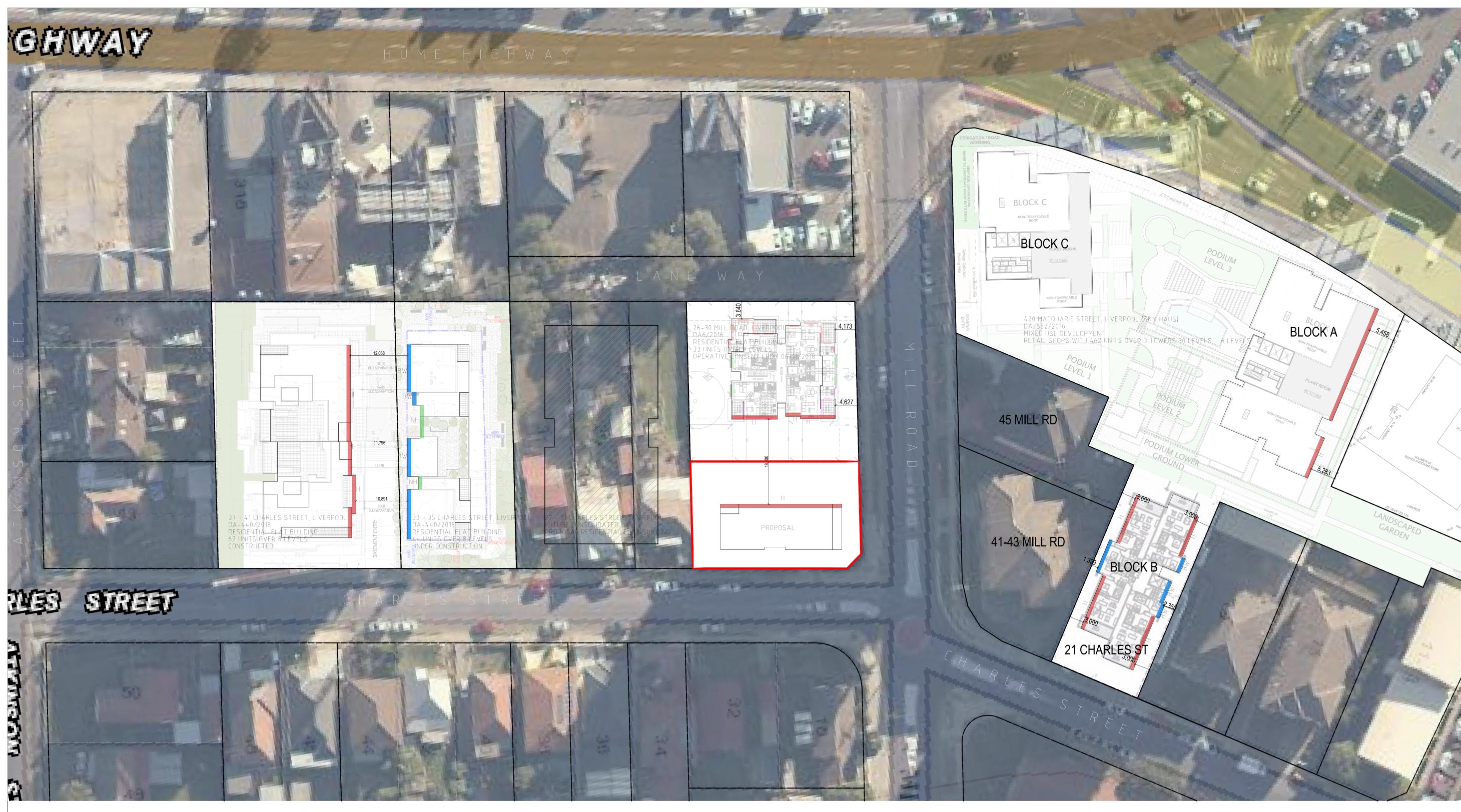
BUILDING SEPARATION + SETBACKS UP TO 8 STOREYS + PARKING AT GRADE EXAMPLES SITE CONTEXT

45 MILL RD (PARKING AT GRADE)

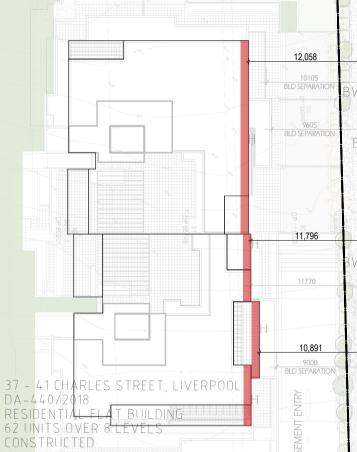
41-43 MILL RD (PARKING AT GRADE)

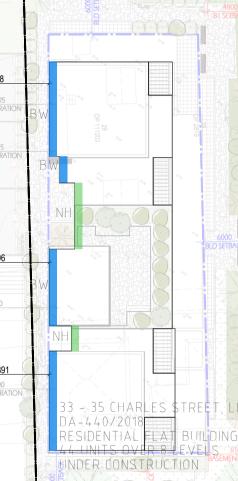








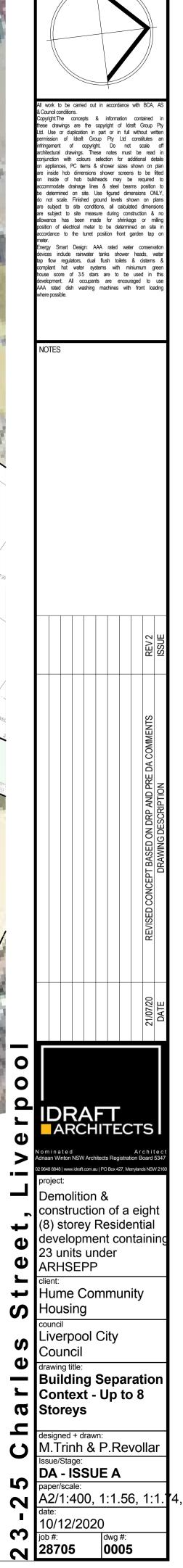














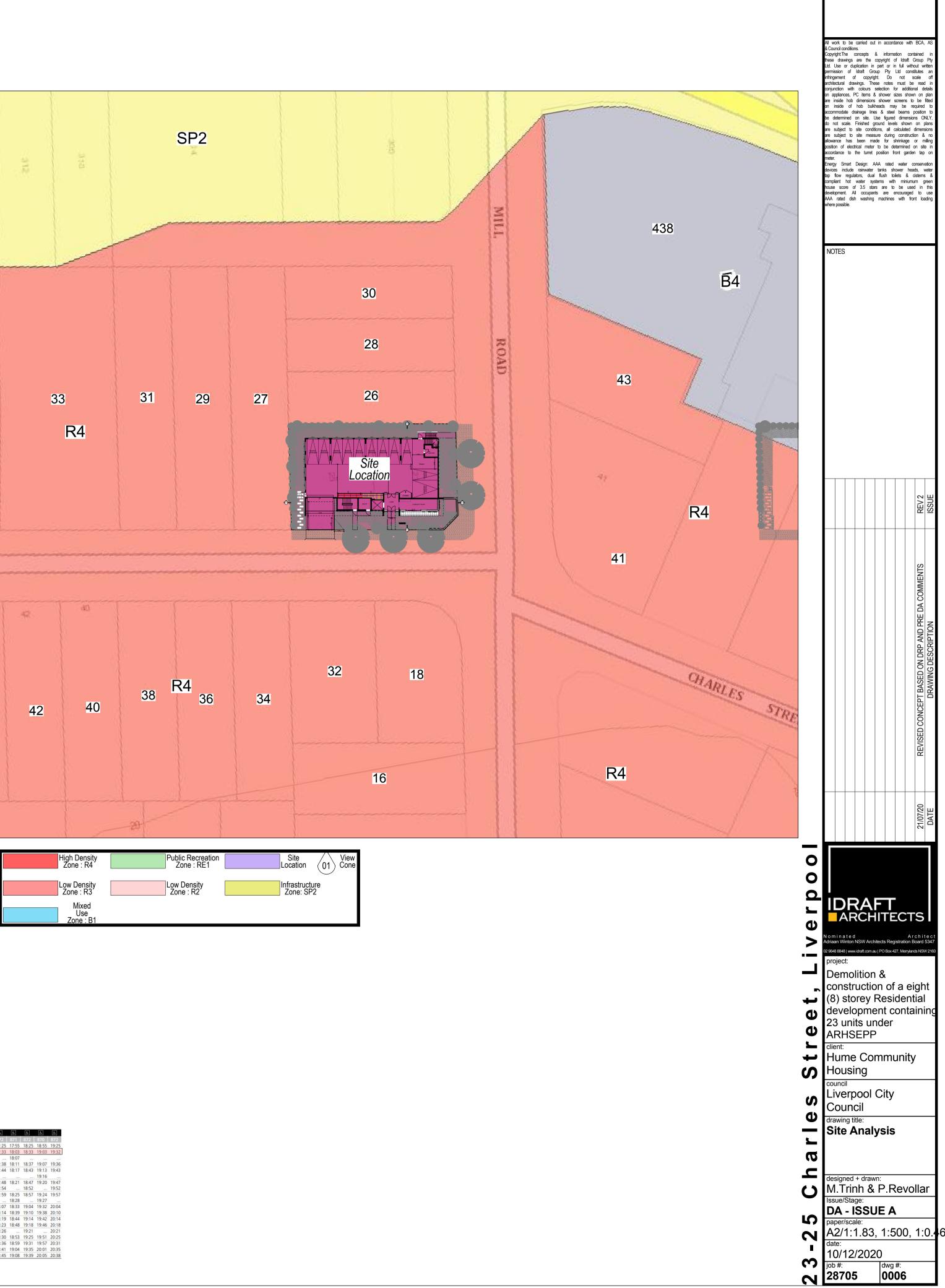
CAMPBELLTOWN TO LIVERPPOL - SUNDAY & PUBLIC HOLIDAYS

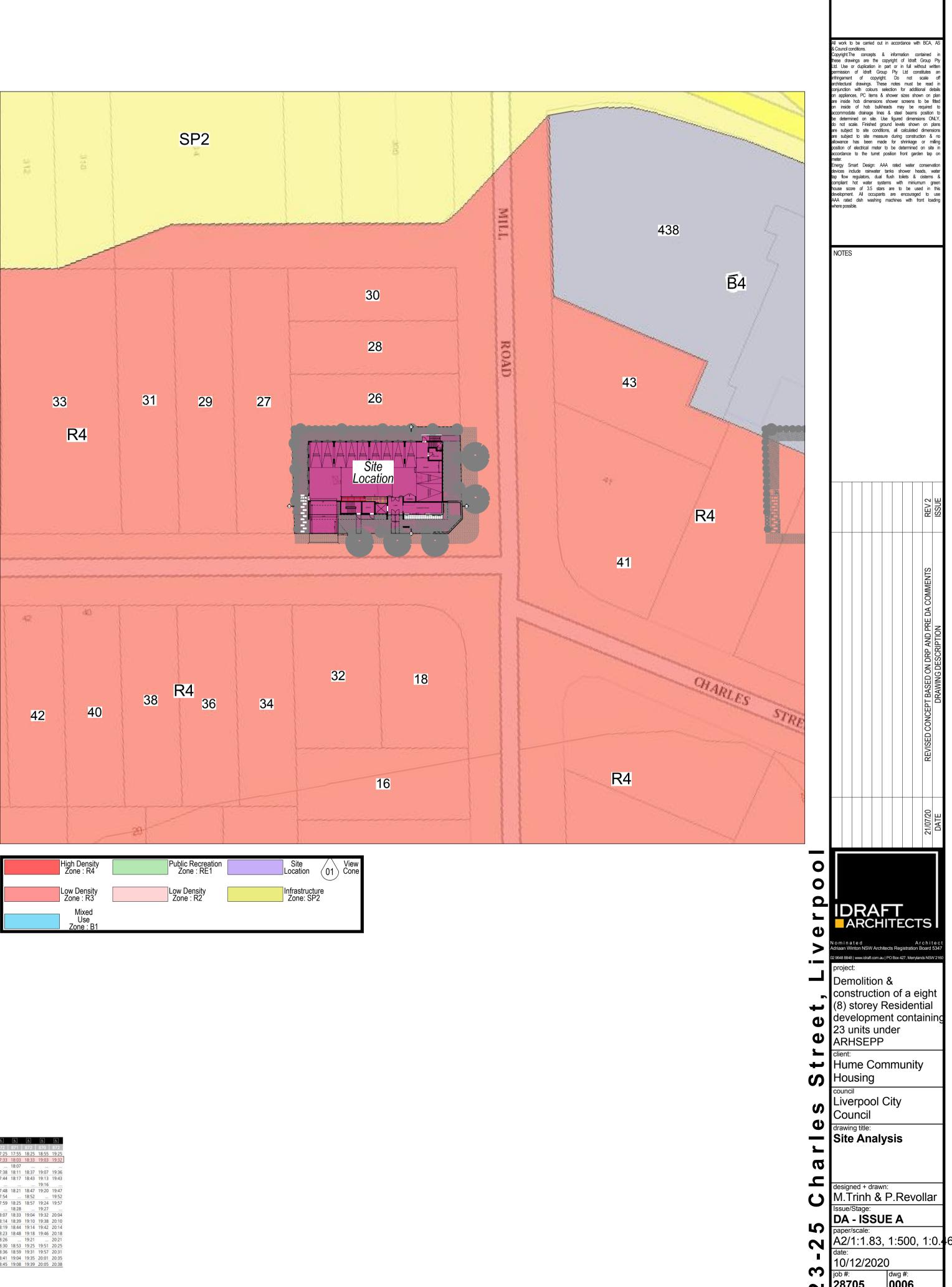
Sun & Public Hols	6	6	ě.	ð.	5	6	6	é.	6	6	6.	ě.	ė.	6
Campbelltown Hospital							07:23	07:55	08:20	08:55	09:20	09:55	10:20	10:5
Macarthur Square						***	07:27	07:59	08:24	08:59	09:24	09:59	10:24	10:5
Campbelltown Mall							07:31	08:04	08:29	09:04	09:29	10:04	10:29	11:0
Leumeah Station							07:37	08:11	08:36	09:11	09:36	10:11	10:36	11:
Parkhill Ave & Leumeah Rd							07:41		08:40		09:40		10:40	
Townson Ave & Westmoreland Rd					06:45		07:44	08:16	08:43	09:16	09:43	10:16	10:43	11:
Minto Marketplace					06:49		07:48	08:20	08:47	09:20	09:47	10:20	10:47	11:
Minto Rd & Ohlfsen Rd					06:53		07:52	08:25	08:52	09:25	09:52	10:25	10:52	11:
Ingleburn Station					07:00		07:59	08:32	08:59	09:32	09:59	10:32	10:59	11:
Harold St & Henderson Rd								08:36		09:36		10:36		11:
Macquarie Fields Shops					07:05		08:04	08:39	09:04	09:39	10:04	10:39	11:04	11:
Evelyn St & Eucalyptus Dr					07:11		08:10		09:10		10:10		11:10	
Glenquarie Shops	17.1	1.1.1		06:51	07:16	07:48	08:15	08:42	09:15	09:42	10:15	10:42	11:15	11:
Belmont Rd & Harrow Rd						07:51				09:46				11:
Glenfield Station	05:38	06:08	06:31	06:55	07:21	07:55	08:20	08:47	09:20	09:50	10:20	10:47	11:20	11:
Crossroads	05:43	06:13	06:38	07:00	07:27	08:01	08:26	08:53	09:26	09:56	10:26	10:53	11:26	11:
Leacocks Lane & Tennant St				07:03	100			08:56			1.1	10:56	1.2	
Graham Ave & Hume Hwy	05:47	06:17	06:42	07:07	07:32	08:06	08:31	09:01	09:31	10:01	10:31	11:01	11:31	12:
Liverpool Interchange	05:55	06:25	06:50	07:15	07:40	08:15	08:40	09:10	09:40	10:10	10:40	11:10	11:40	12:

Sun & Public Hols (cont)	6.	6	ě.	Ġ.	9.	6	6	ð.	ě.	6	6	6	ę.	6
Route Number	872	871	872	870	872	871	872	870	872	871	872	870	872	870
Campbelltown Hospital	11:20	11:55	12:20	12:55	13:20	13:55	14:20	14:55	15:20	15:55	16:20	16:55	17:20	17:55
Macarthur Square	11:24	11:59	12:24	12:59	13:24	13:59	14:24	14:59	15:24	15:59	16:24	16:59	17:24	17:59
Campbelltown Mall	11:29	12:04	12:29	13:04	13:29	14:04	14:29	15:04	15:29	16:04	16:29	17:04	17:29	18:04
Leumeah Station	11:36	12:11	12:36	13:11	13:36	14:11	14:36	15:11	15:36	16:11	16:36	17:11	17:36	18:11
Parkhill Ave & Leumeah Rd	11:40		12:40		13:40		14:40		15:40		16:40		17:40	
Townson Ave & Westmoreland Rd	11:43	12:16	12:43	13:16	13:43	14:16	14:43	15:16	15:43	16:16	16:43	17:16	17:43	18:16
Minto Marketplace	11:47	12:20	12:47	13:20	13:47	14:20	14:47	15:20	15:47	16:20	16:47	17:20	17:47	18:20
Minto Rd & Ohlfsen Rd	11:52	12:25	12:52	13:25	13:52	14:25	14:52	15:25	15:52	16:25	16:52	17:25	17:52	18:24
Ingleburn Station	11:59	12:32	12:59	13:32	13:59	14:32	14:59	15:32	15:59	16:32	16:59	17:32	17:59	18:31
Harold St & Henderson Rd		12:36		13:36		14:36		15:36		16:36		17:36		18:35
Macquarie Fields Shops	12:04	12:39	13:04	13:39	14:04	14:39	15:04	15:39	16:04	16:39	17:04	17:39	18:04	18:38
Evelyn St & Eucalyptus Dr	12:10		13:10		14:10		15:10		16:10		17:10		18:10	
Glenquarie Shops	12:15	12:42	13:15	13:42	14:15	14:42	15:15	15:42	16:15	16:42	17:15	17:42	18:15	18:41
Belmont Rd & Harrow Rd				13:46				15:46				17:46		18:45
Glenfield Station	12:20	12:47	13:20	13:50	14:20	14:47	15:20	15:50	16:20	16:47	17:20	17:50	18:20	18:49
Crossroads	12:26	12:53	13:26	13:56	14:26	14:53	15:26	15:56	16:26	16:53	17:26	17:56	18:26	18:55
Leacocks Lane & Tennant St		12:56				14:56				16:56				
Graham Ave & Hume Hwy	12:31	13:01	13:31	14:01	14:31	15:01	15:31	16:01	16:31	17:01	17:31	18:01	18:30	18:59
Liverpool Interchange	12:40	13:10	13:40	14:10	14:40	15:10	15:40	16:10	16:40	17:10	17:40	18:10	18:38	19:07

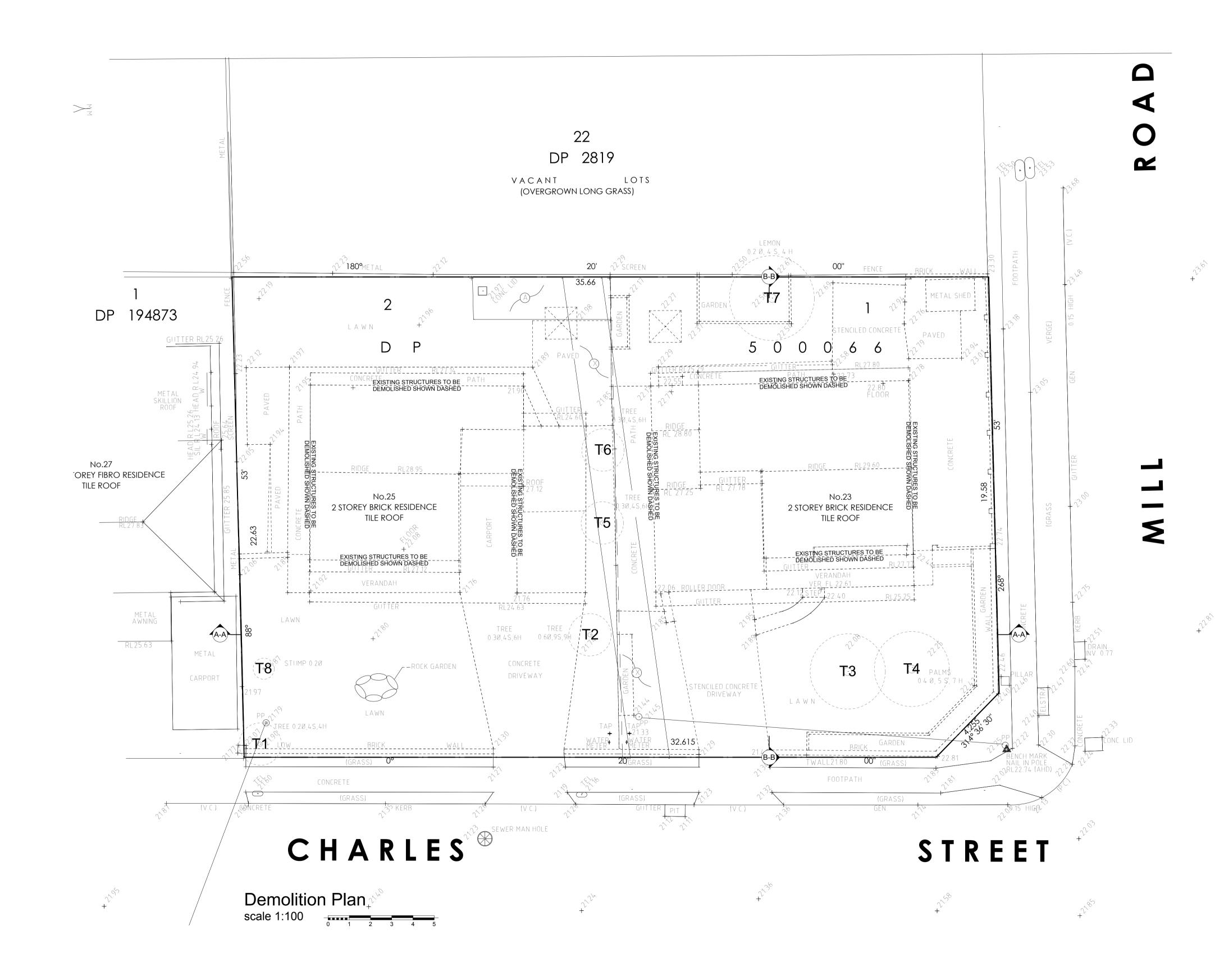
LIVERPPOL TO CAMPBELLTOWN - SUNDAY & PUBLIC HOLIDAYS

Sun & Public Hols	6	ė	ð.	ę.	6	6	é.	ę.	6.	6	6	ė.	6	6	Sun & Public Hols (cont)	6	é	ė	6.	6	6	ě.	è.	6	6	6	ė.	ě.	6
^P Route Number	870	872	870	872	871	872	870	872	871	872	870	872	871	872	ref Route Number	870	872	871	872	870	872	871	872	870	872	871	872	870	87
Liverpool Interchange Stand 2	06:00	06:30	06:58	07:28	07:55	08:25	08:55	09:25	09:55	10:25	10:55	11:25	11:55	12:25	A Liverpool Interchange Stand 2	12:55	13:25	13:55	14:25	14:55	15:25	15:55	16:25	16:55	17:25	17:55	18:25	18:55	19
Graham Ave & Hume Hwy	06:07	06:37	07:05	07:35	08:03	08:33	09:03	09:33	10:03	10:33	11:03	11:33	12:03	12:33	B Graham Ave & Hume Hwy	13:03	13:33	14:03	14:33	15:03	15:33	16:03	16:33	17:03	17:33	18:03	18:33	19:03	19
Leacocks Lane & Tennant St					08:07				10:07				12:07		C Leacocks Lane & Tennant St			14:07				16:07				18:07			
Crossroads	06:11	06:41	07:09	07:39	08:11	08:38	09:08	09:38	10:11	10:38	11:08	11:38	12:11	12:38	D Crossroads	13:08	13:38	14:11	14:38	15:08	15:38	16:11	16:38	17:08	17:38	18:11	18:37	19:07	19
Glenfield Station	06:17	06:47	07:15	07:45	08:17	08:44	09:14	09:44	10:17	10:44	11:14	11:44	12:17	12:44	E Glenfield Station	13:14	13:44	14:17	14:44	15:14	15:44	16:17	16:44	17:14	17:44	18:17	18:43	19:13	15
Belmont Rd & Harrow Rd	06:20		07:18				09:17				11:17				Belmont Rd & Harrow Rd	13:17				15:17				17:17				19:16	
Glenquarie Shops	06:24	06:51	07:22	07:49	08:21	08:48	09:21	09:48	10:21	10:48	11:21	11:48	12:21	12:48	G Glenquarie Shops	13:21	13:48	14:21	14:48	15:21	15:48	16:21	16:48	17:21	17:48	18:21	18:47	19:20	19
Evelyn St & Eucalyptus Dr		06:56		07:54		08:54		09:54		10:54		11:54		12:54	H Evelyn St & Eucalyptus Dr		13:54		14:54		15:54		16:54		17:54		18:52		19
Macquarie Fields Shops	06:28	07:01	07:26	07:59	08:25	08:59	09:25	09:59	10:25	10:59	11:25	11:59	12:25	12:59	Macquarie Fields Shops	13:25	13:59	14:25	14:59	15:25	15:59	16:25	16:59	17:25	17:59	18:25	18:57	19:24	19
Harold St & Henderson Rd	06:31		07:29		08:28		09:28		10:28		11:28		12:28		J Harold St & Henderson Rd	13:28		14:28		15:28		16:28		17:28		18:28		19:27	
Ingleburn Station	06:36	07:08	07:34	08:07	08:33	09:07	09:33	10:07	10:33	11:07	11:33	12:07	12:33	13:07	K Ingleburn Station	13:33	14:07	14:33	15:07	15:33	16:07	16:33	17:07	17:33	18:07	18:33	19:04	19:32	20
Minto Rd & Ohlfsen Rd	06:43	07:15	07:41	08:14	08:40	09:14	09:40	10:14	10:40	11:14	11:40	12:14	12:40	13:14	L Minto Rd & Ohlfsen Rd	13:40	14:14	14:40	15:14	15:40	16:14	16:40	17:14	17:40	18:14	18:39	19:10	19:38	20
Minto Marketplace	06:48	07:20	07:46	08:19	08:45	09:19	09:45	10:19	10:45	11:19	11:45	12:19	12:45	13:19	M Minto Marketplace	13:45	14:19	14:45	15:19	15:45	16:19	16:45	17:19	17:45	18:19	18:44	19:14	19:42	20
Townson Ave & Westmoreland Rd	06:52	07:24	07:50	08:23	08:49	09:23	09:49	10:23	10:49	11:23	11:49	12:23	12:49	13:23	N Townson Ave & Westmoreland Rd	13:49	14:23	14:49	15:23	15:49	16:23	16:49	17:23	17:49	18:23	18:48	19:18	19:46	20
Parkhill Ave & Leumeah Rd		07:27		08:26		09:26		10:26		11:26		12:26		13:26	O Parkhill Ave & Leumeah Rd		14:26		15:26		16:26		17:26		18:26		19:21		20
Leumeah Station	06:56	07:31	07:55	08:30	08:54	09:30	09:54	10:30	10:54	11:30	11:54	12:30	12:54	13:30	P Leumeah Station	13:54	14:30	14:54	15:30	15:54	16:30	16:54	17:30	17:54	18:30	18:53	19:25	19:51	20
Campbelltown Mall	07:02	07:37	08:01	08:37	09:01	09:37	10:01	10:37	11:01	11:37	12:01	12:37	13:01	13:37	Q Campbelltown Mall	14:01	14:37	15:01	15:37	16:01	16:37	17:01	17:37	18:01	18:36	18:59	19:31	19:57	20
Macarthur Square	07:06	07:42	08:06	08:42	09:06	09:42	10:06	10:42	11:06	11:42	12:06	12:42	13:06	13:42	R Macarthur Square	14:06	14:42	15:06	15:42	16:06	16:42	17:06	17:42	18:06	18:41	19:04	19:35	20:01	20
Campbelltown Hospital	07:10	07:46	08:10	08:46	09:10	09:46	10:10	10:46	11:10	11:46	12:10	12:46	13:10	13:46	S Campbelltown Hospital	14:10	14:46	15:10	15:46	16:10	16:46	17:10	17:46	18:10	18:45	19:08	19:39	20:05	20

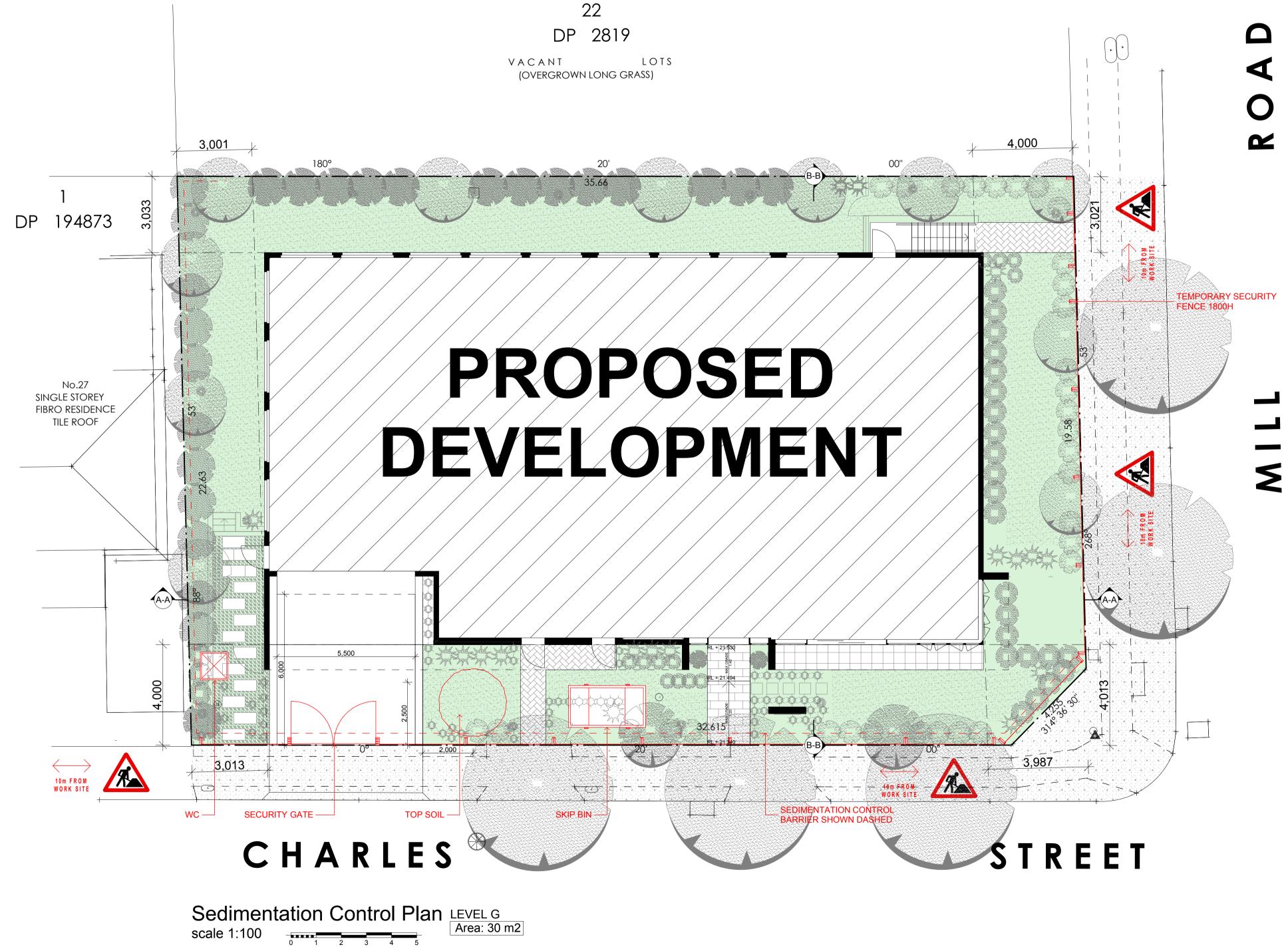




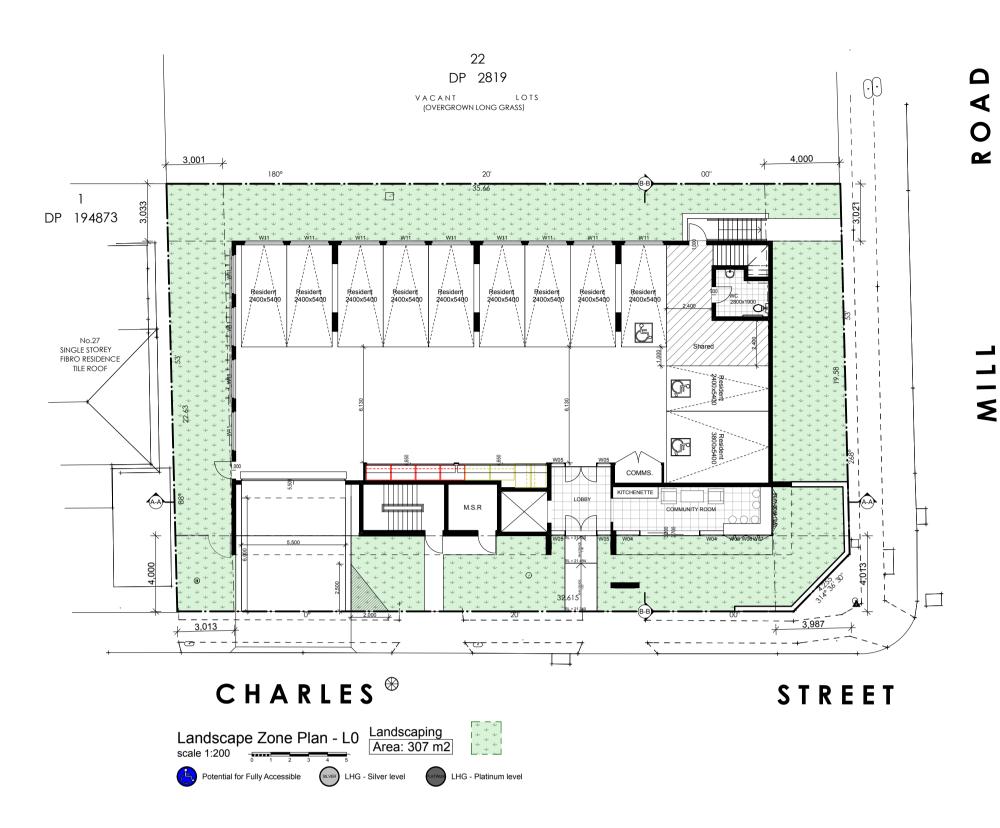
TREE	SCHEDULE	
TREE ID	STATUS	ACTION
T1	EXISTING	TO BE REMOVED
T2	EXISTING	TO BE REMOVED
Т3	EXISTING	TO BE REMOVED
T4	EXISTING	TO BE REMOVED
T5	EXISTING	TO BE REMOVED
Т6	EXISTING	TO BE REMOVED
Τ7	EXISTING	TO BE REMOVED

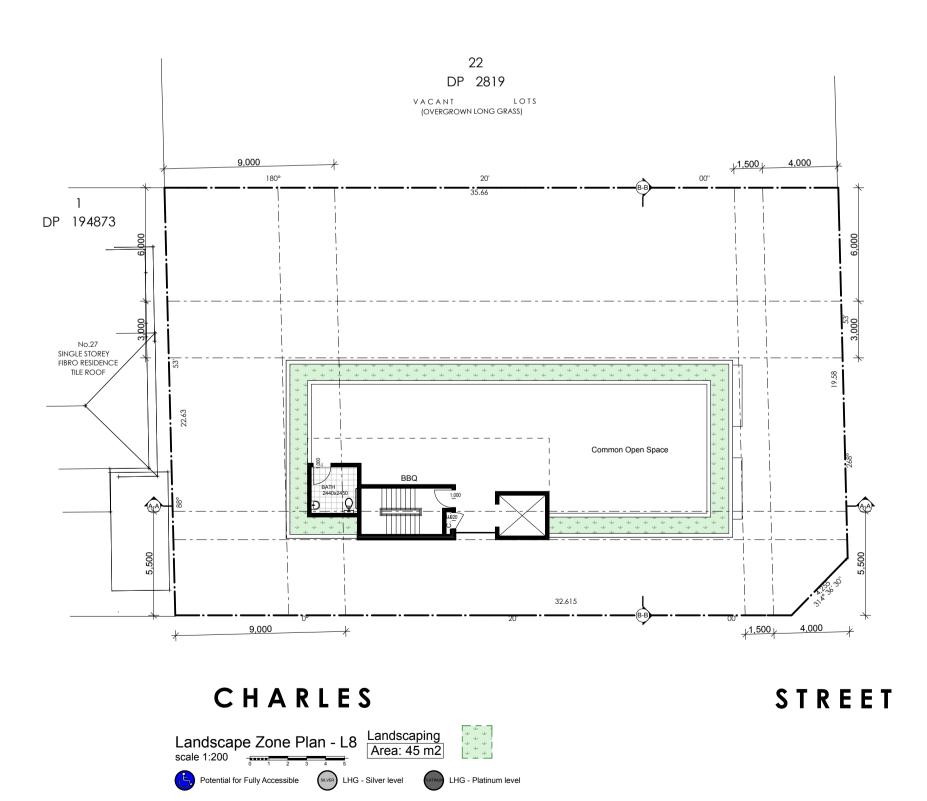


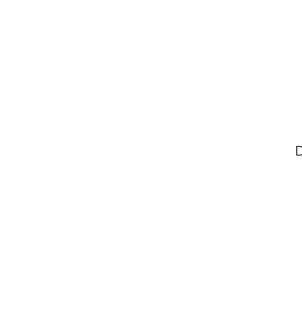
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	accommodate drainage lines & steel beams position to be determined on site. Use figured dimensions ONLY, do not scale. Finished ground levels shown on plans are subject to site conditions, all calculated dimensions														
	are s are s allowa positic accord	subjec subjec nce in of lance	t to t to has elect	site site beer trical	condit meas ma meter	ions, ure de to t	all d during for s be de	calcula con shrinka etermi	ated structi age ned c	dimens on & or m on site	sions no iilling e in				
	meter. Energ device tap compl house	y Sr is in flow iant sco	clude regula hot re o	rain ators, water f 3.5	water dual sys star	tank flus tems s ar	h to with re to	ilets n m be	heai & c iniumu usec	isterns m g I in	vater & reen this				
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	NO	TES									_				
										REV 2	ISSUE				
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erp	I		F	?/ ?C	A ïH		T F E	ĒC	T	S					
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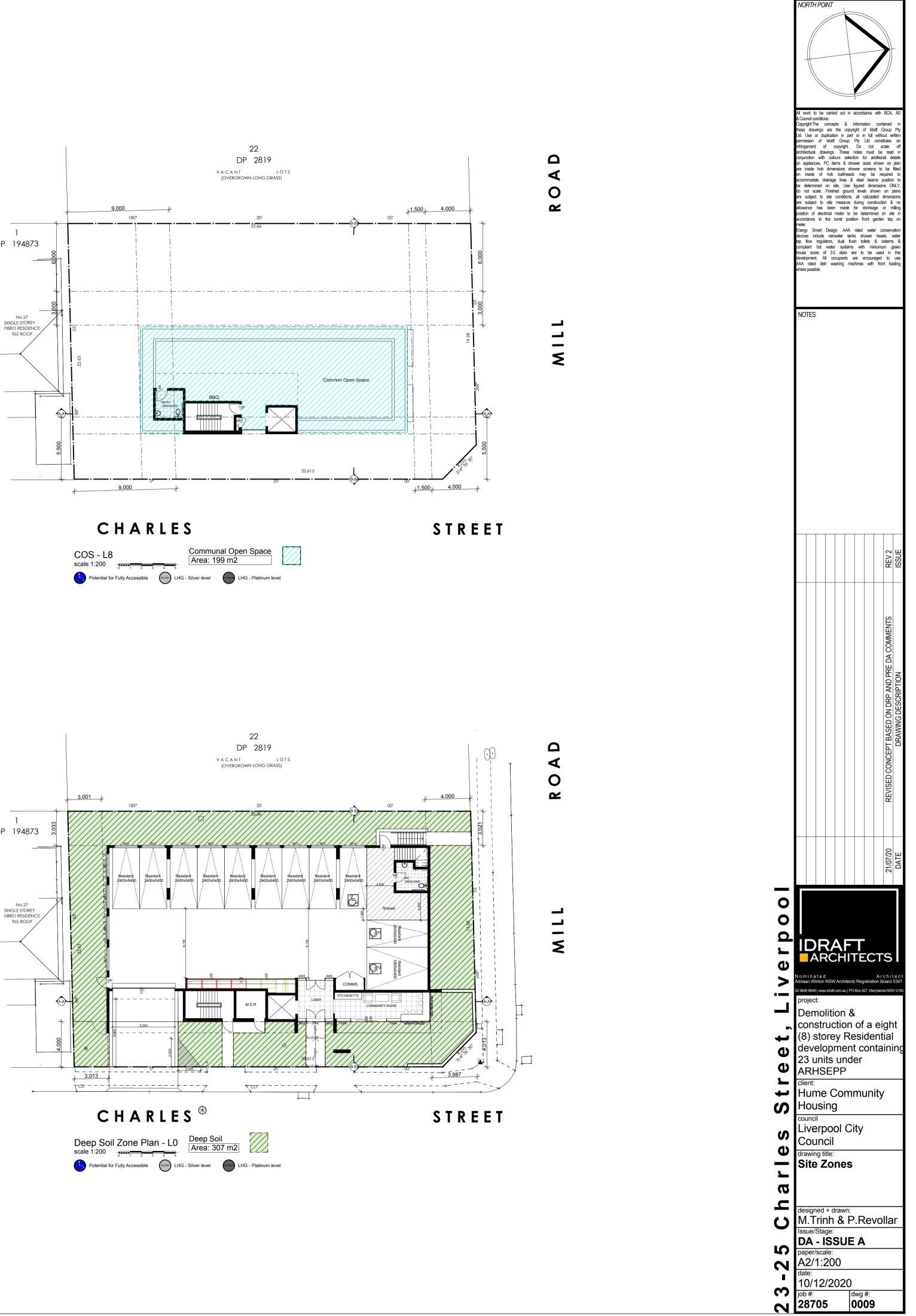


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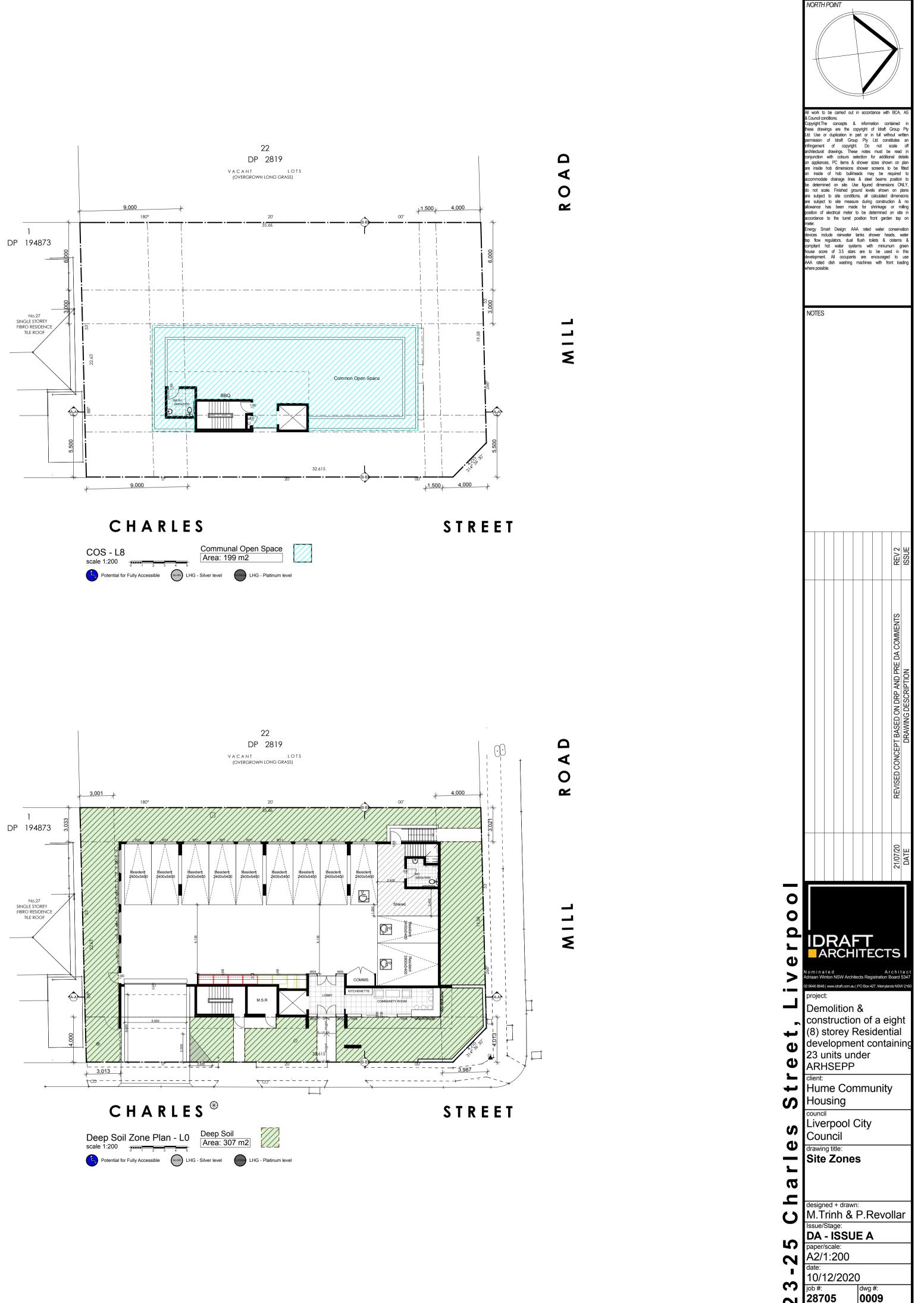




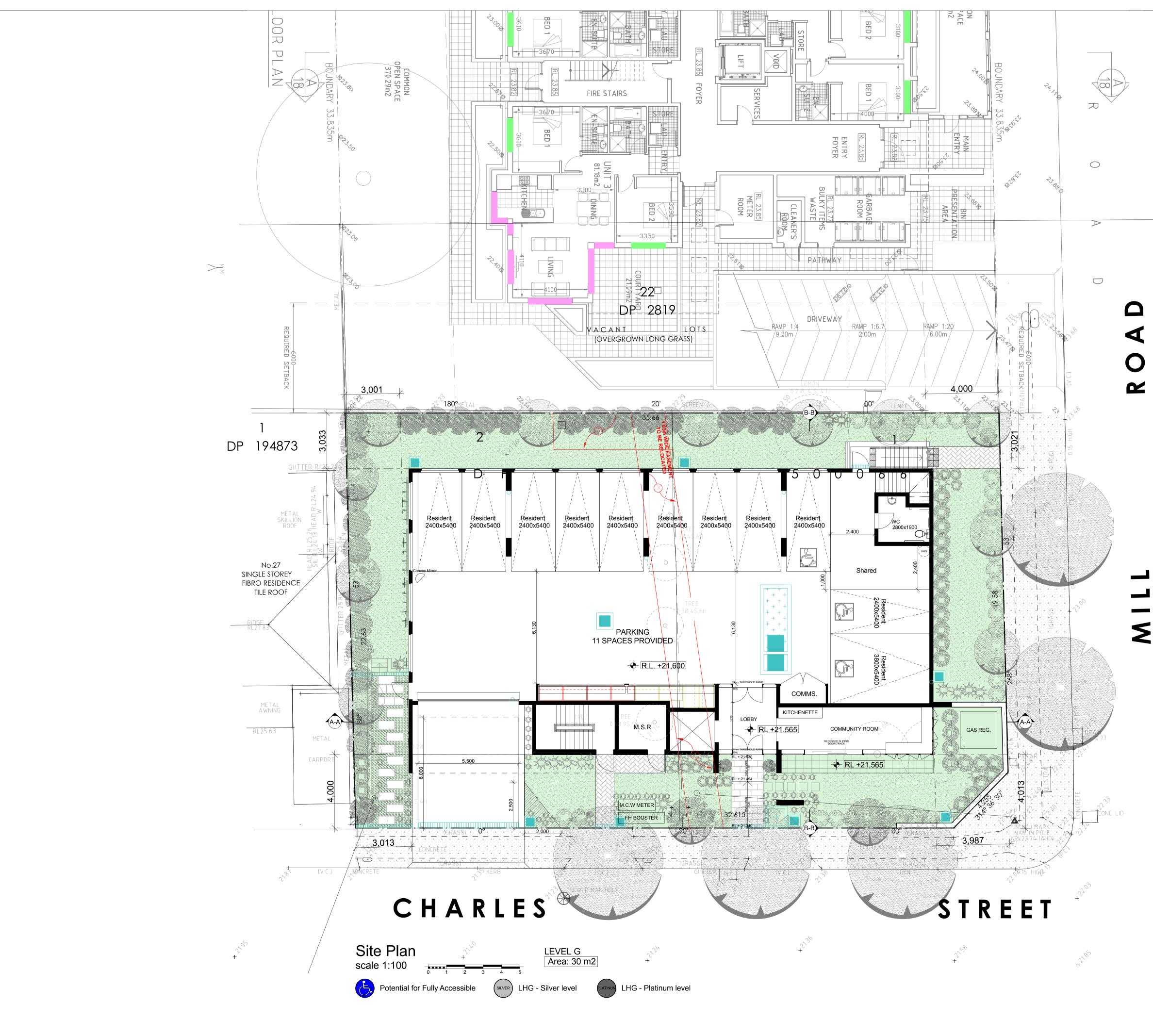








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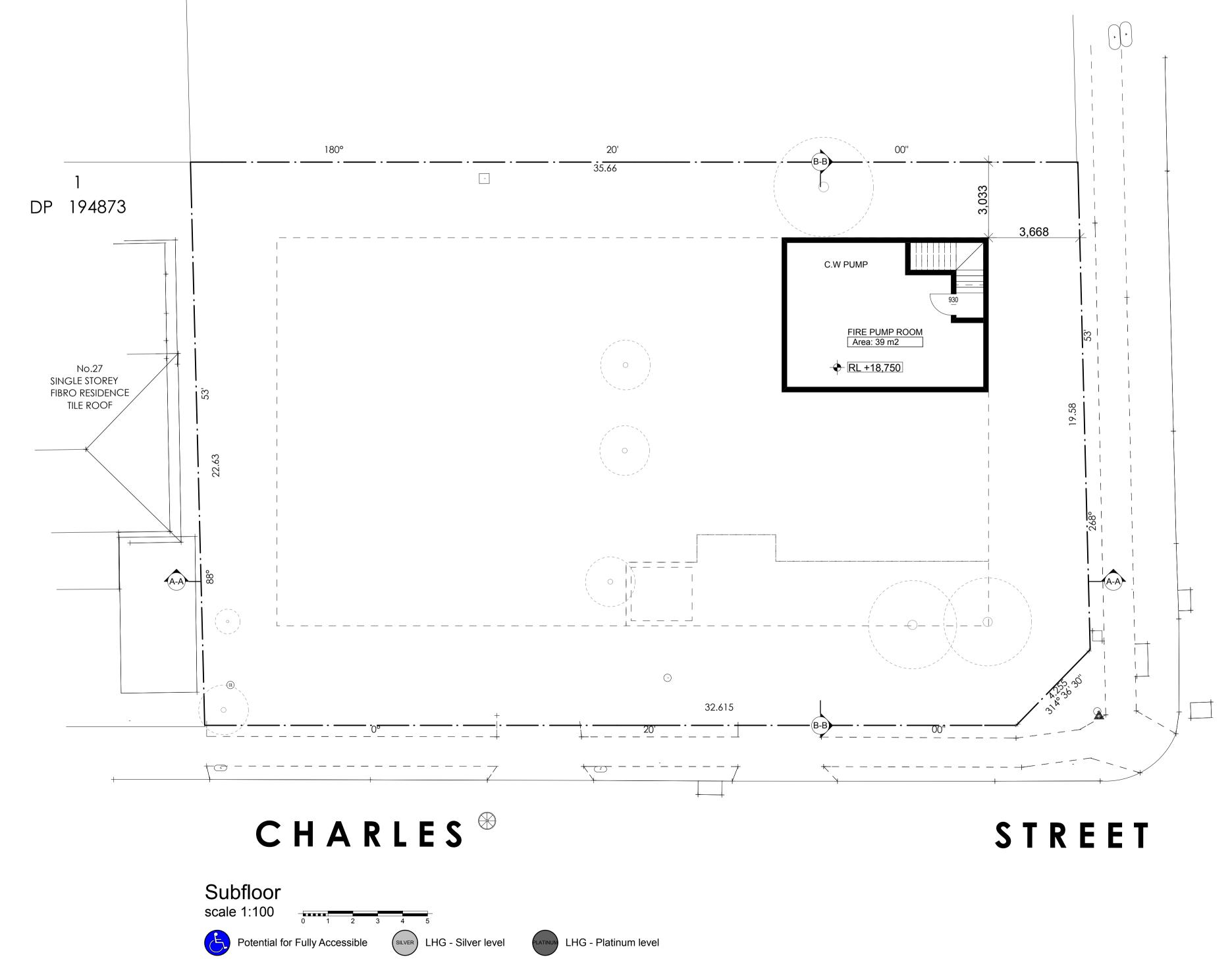
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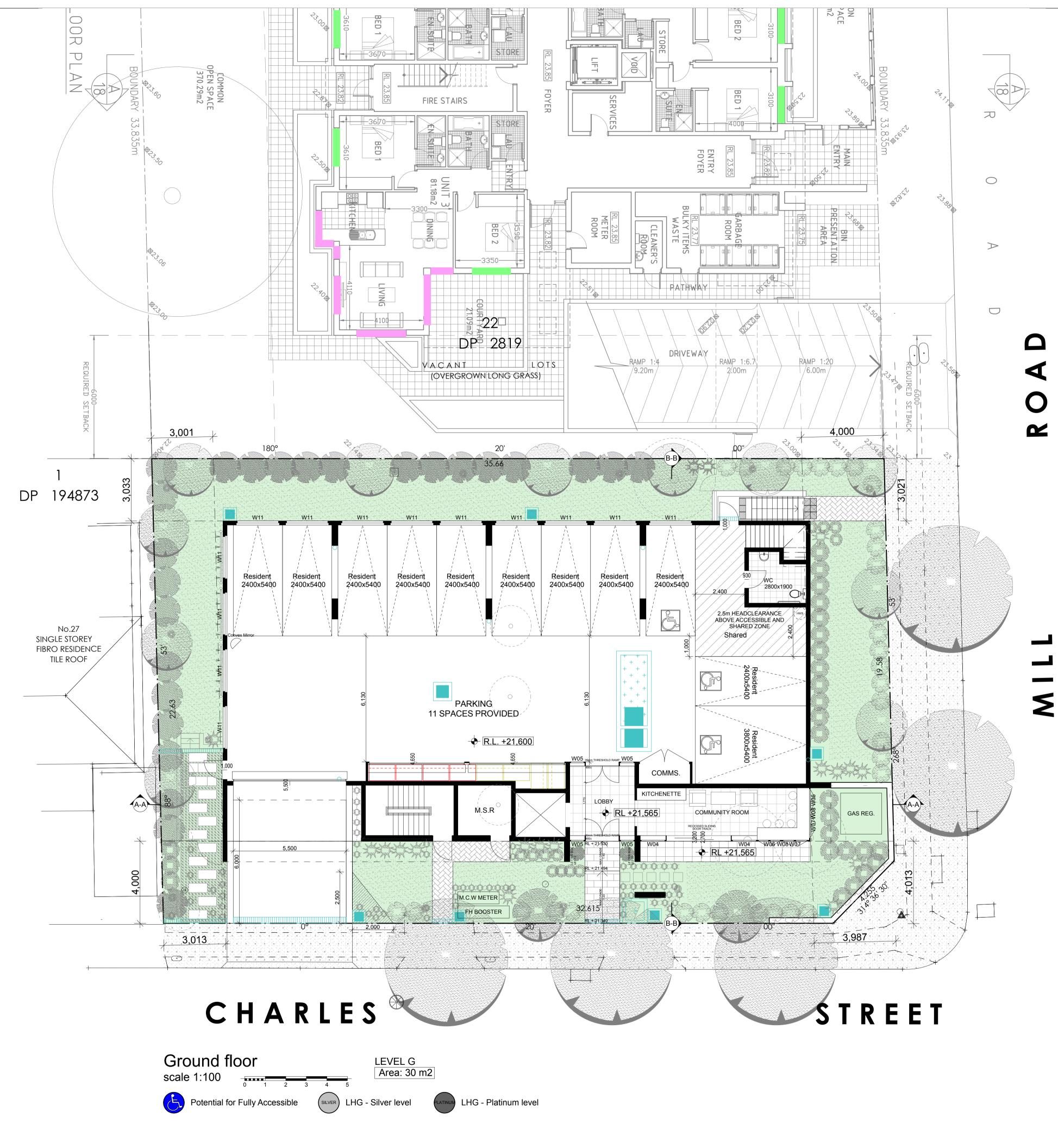
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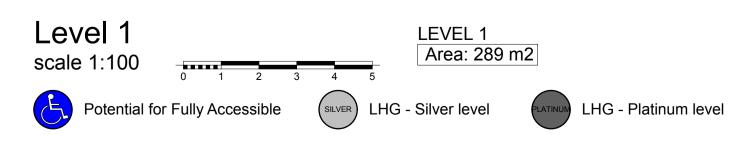
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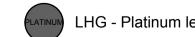






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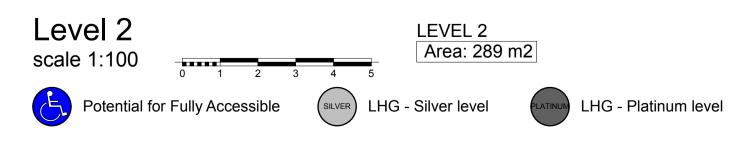


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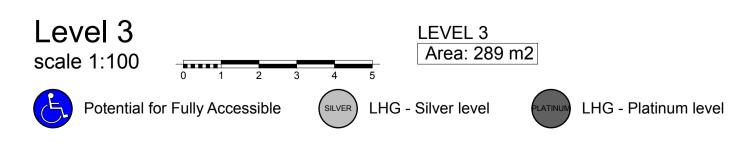
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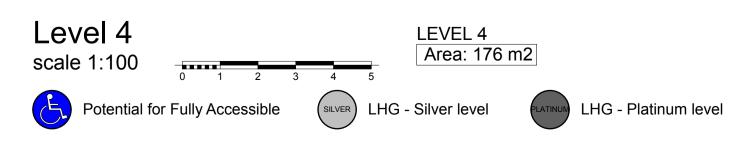


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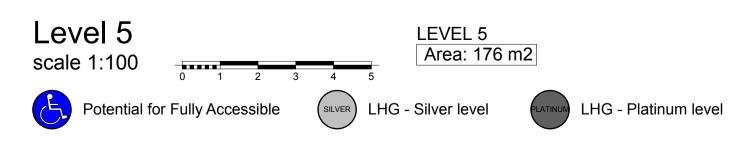
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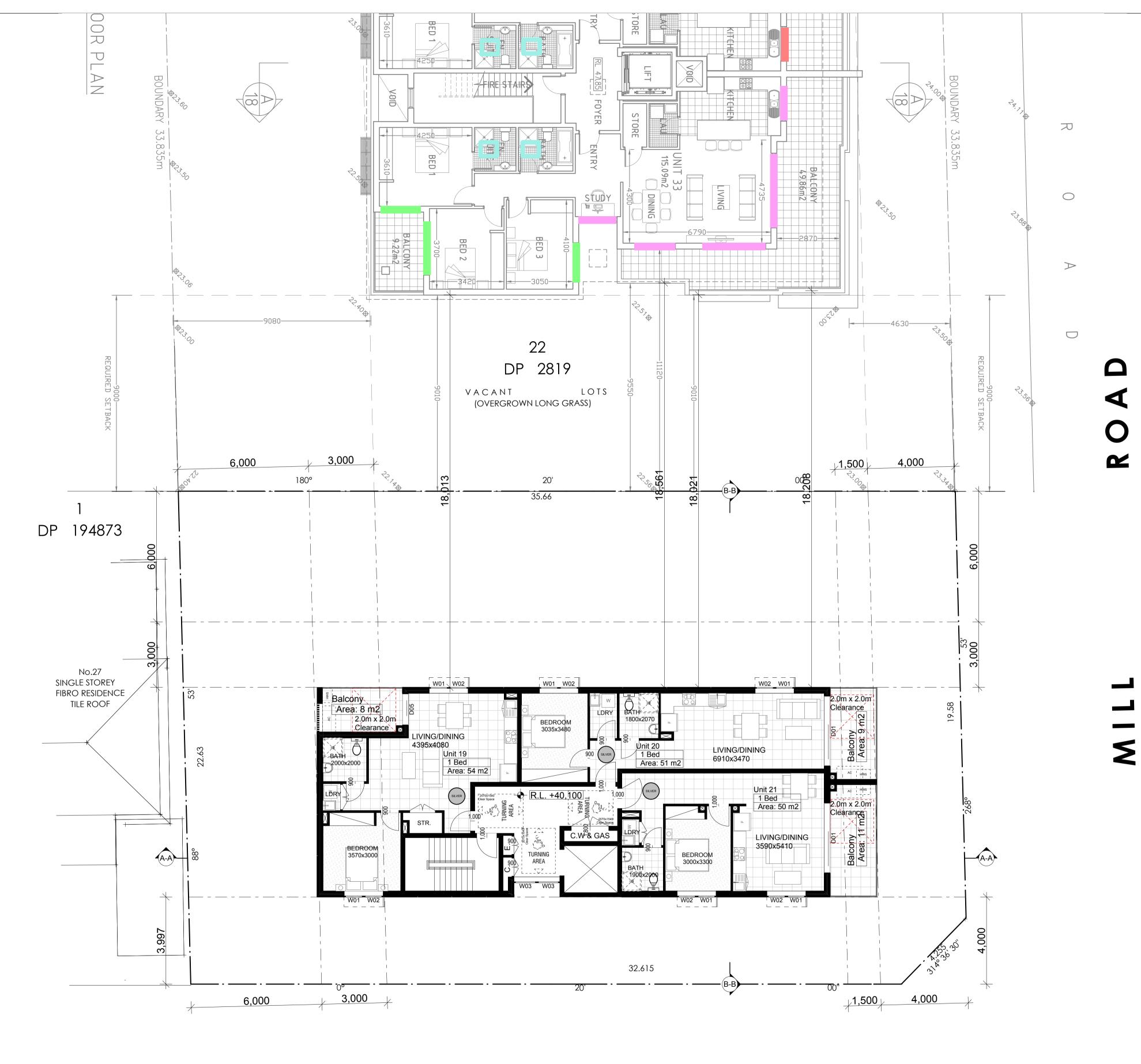
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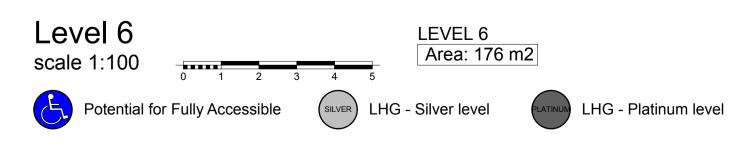
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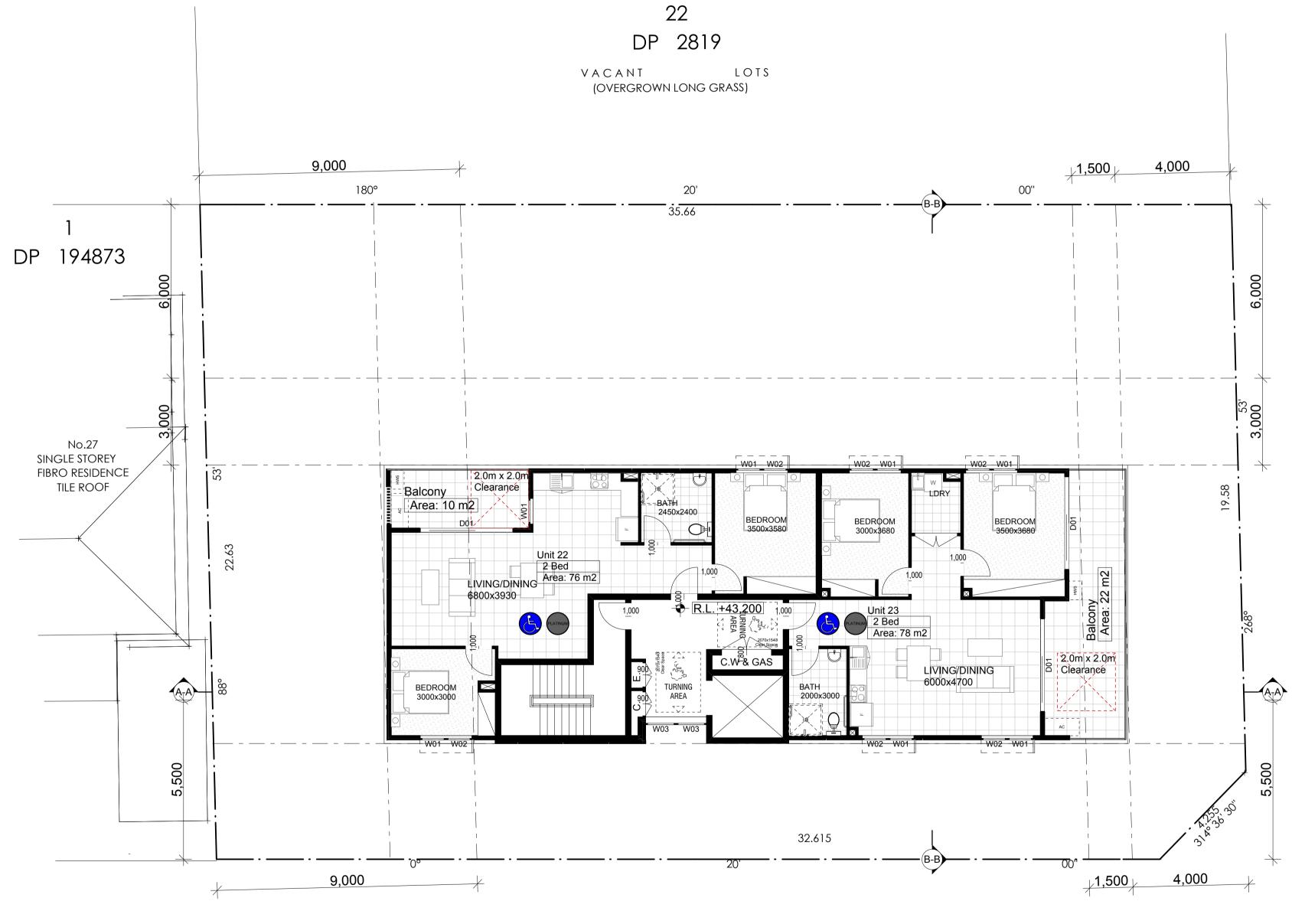


Raymond Sleiman

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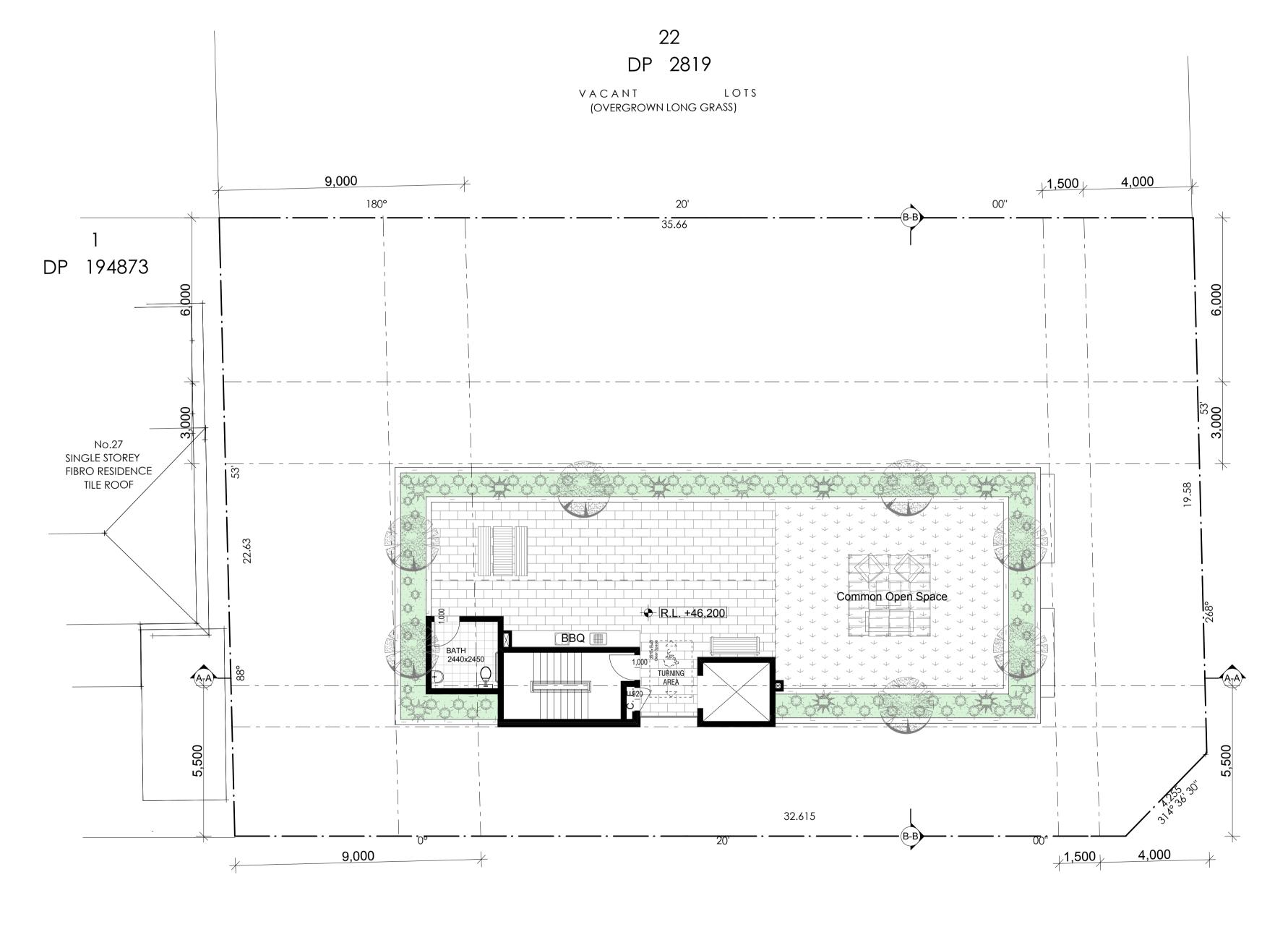


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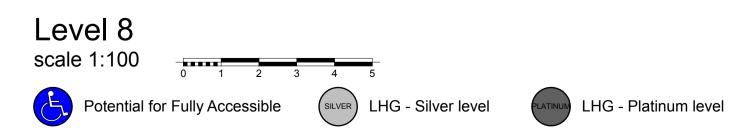
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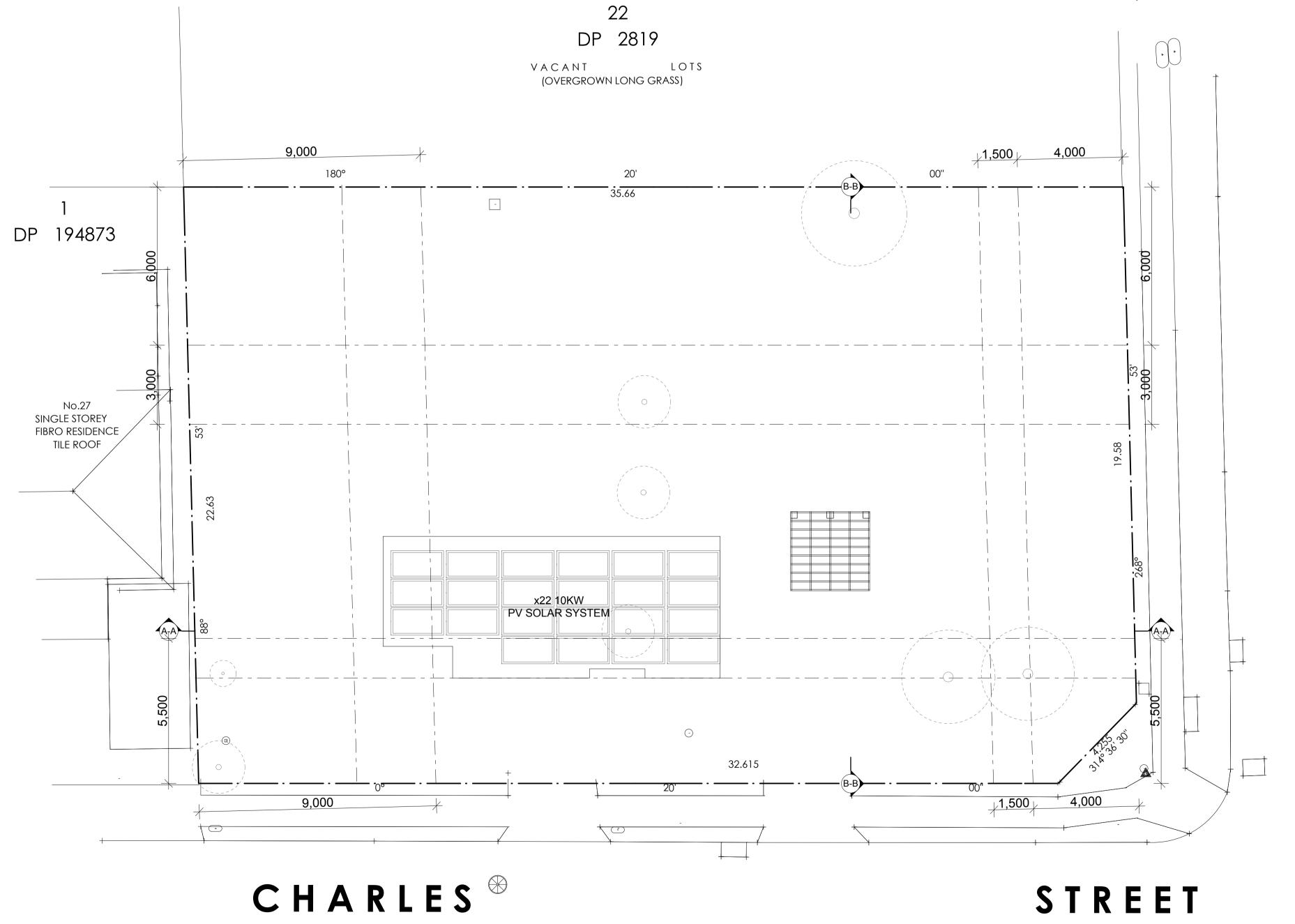


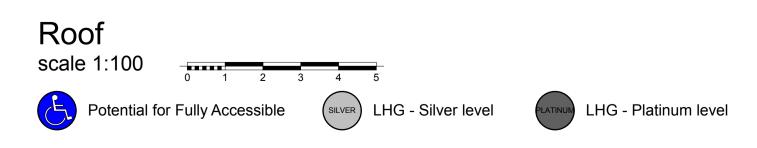


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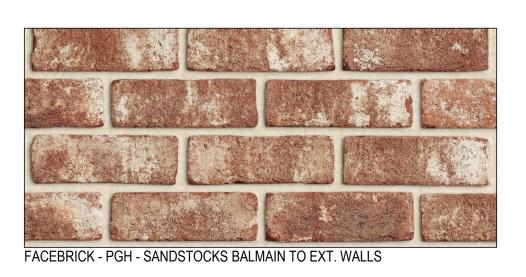
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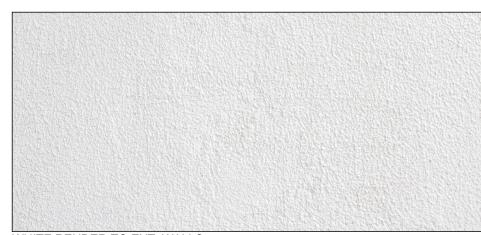
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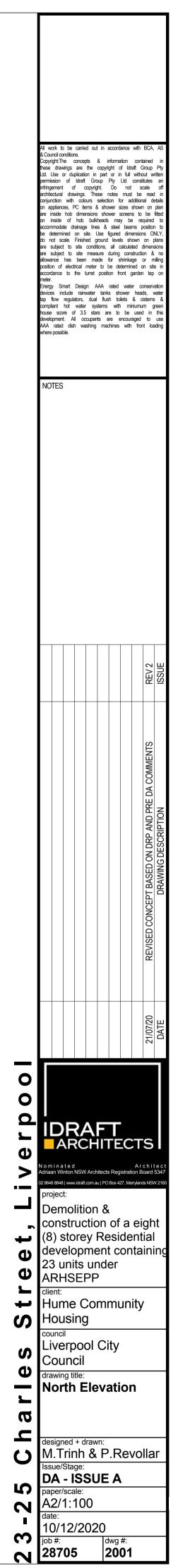








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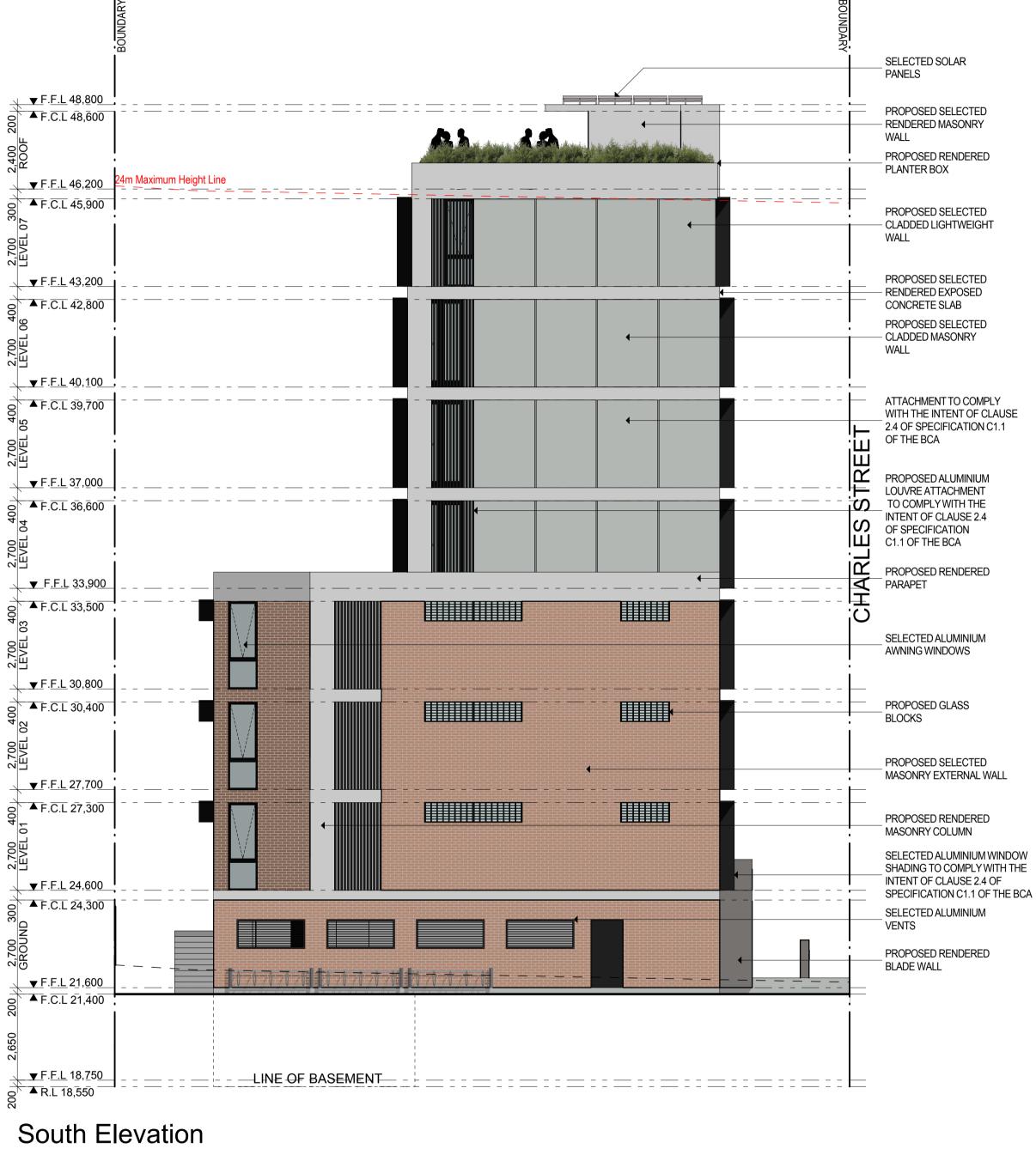




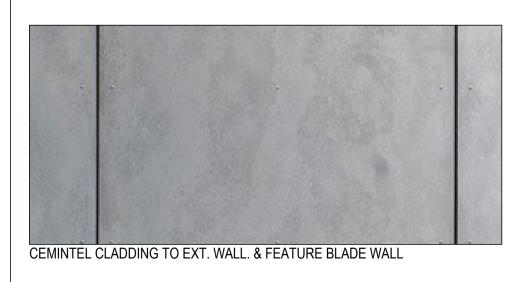
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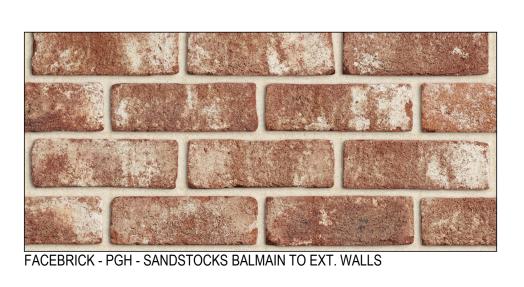


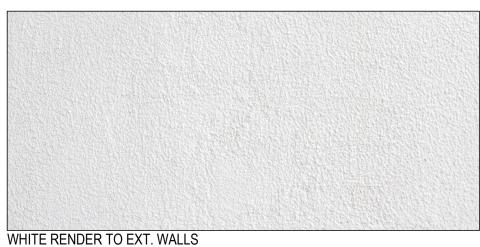
COLORBOND NIGHT SKY - WINDOW & DOOR FRAMES







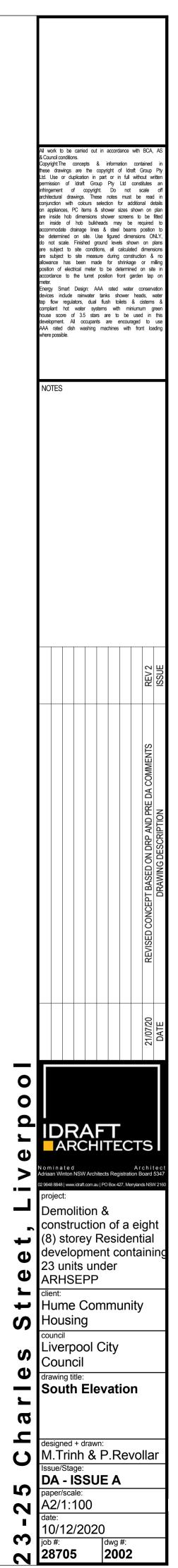






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COLORBOND WOODLAND GREY - METAL DECK ROOF & COLUMNS





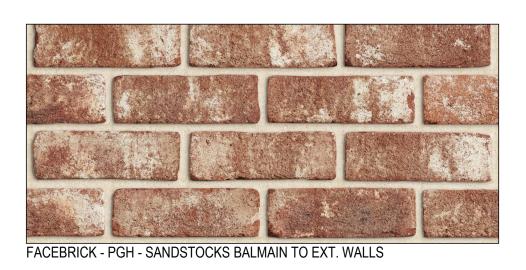
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Assessor	Raymond Sleiman
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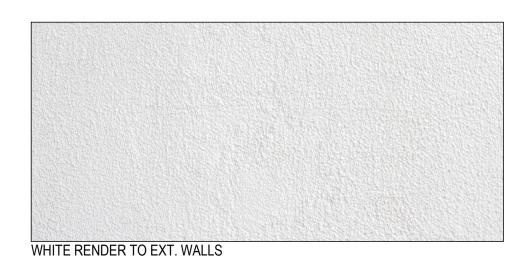


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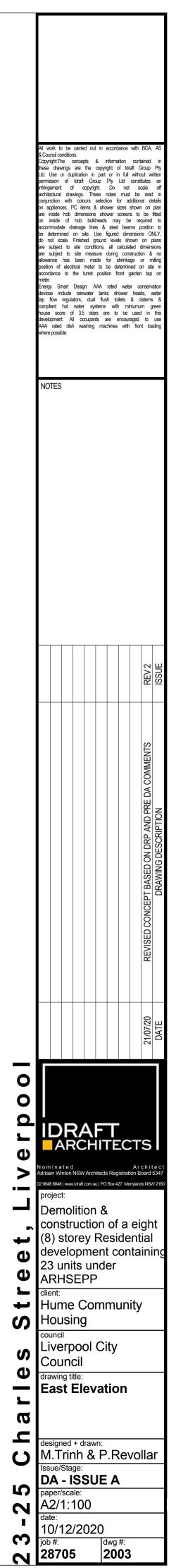








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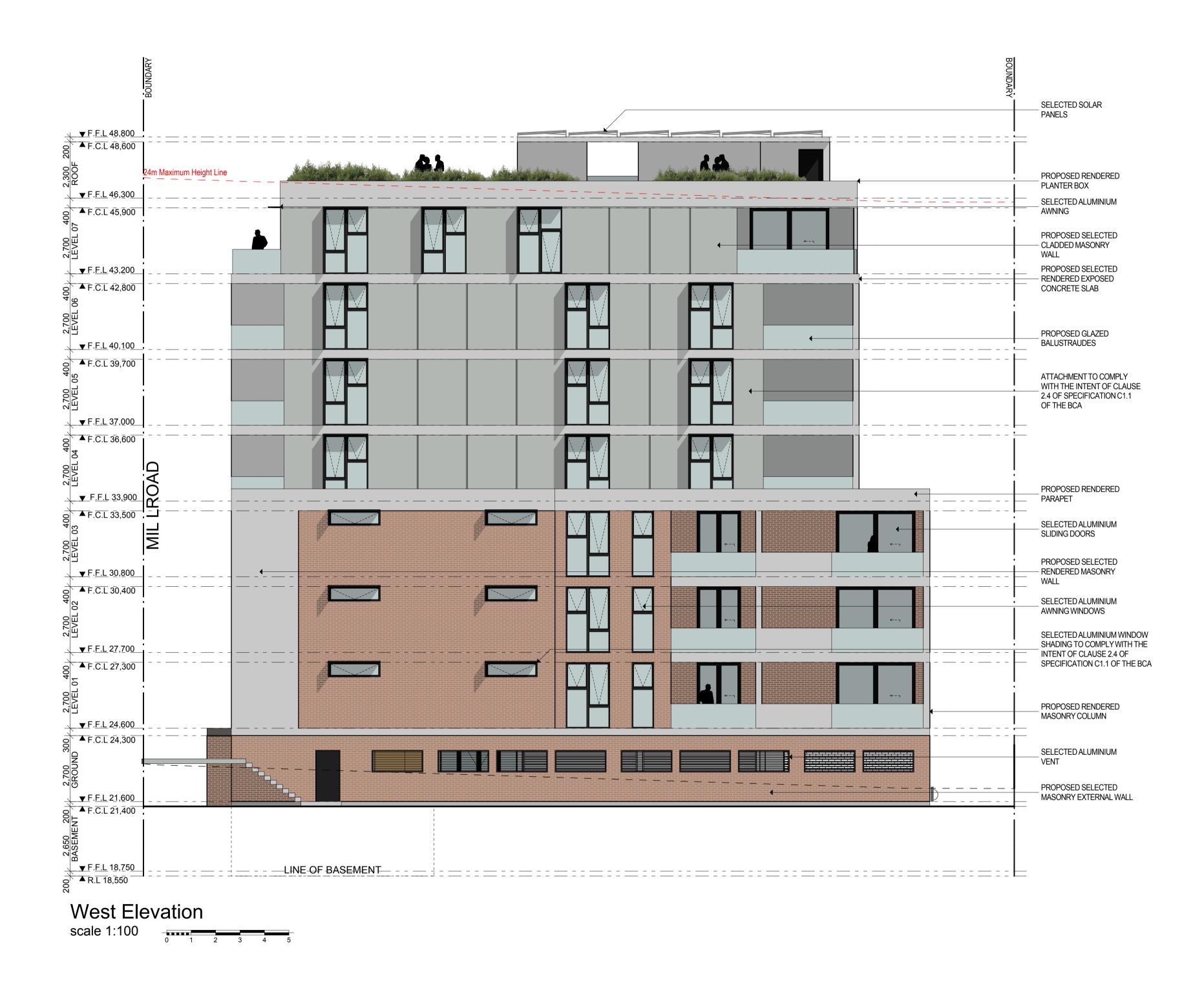




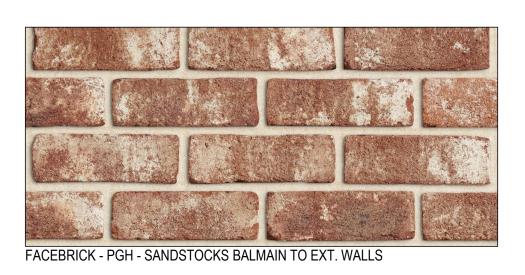
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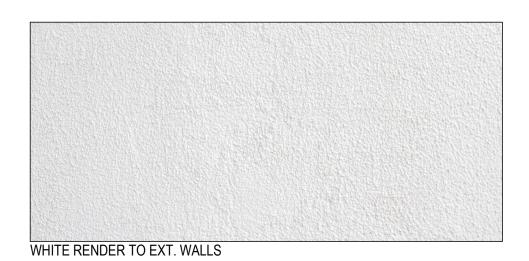


COLORBOND NIGHT SKY - WINDOW & DOOR FRAMES











COLORBOND WOODLAND GREY - METAL DECK ROOF & COLUMNS

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COLORBOND NIGHT SKY - WINDOW & DOOR FRAMES

7.0 Average star rating

NATIONWIDE HOUSE ENERGY RATING SCHEME 0005484000 09 Dec 2020

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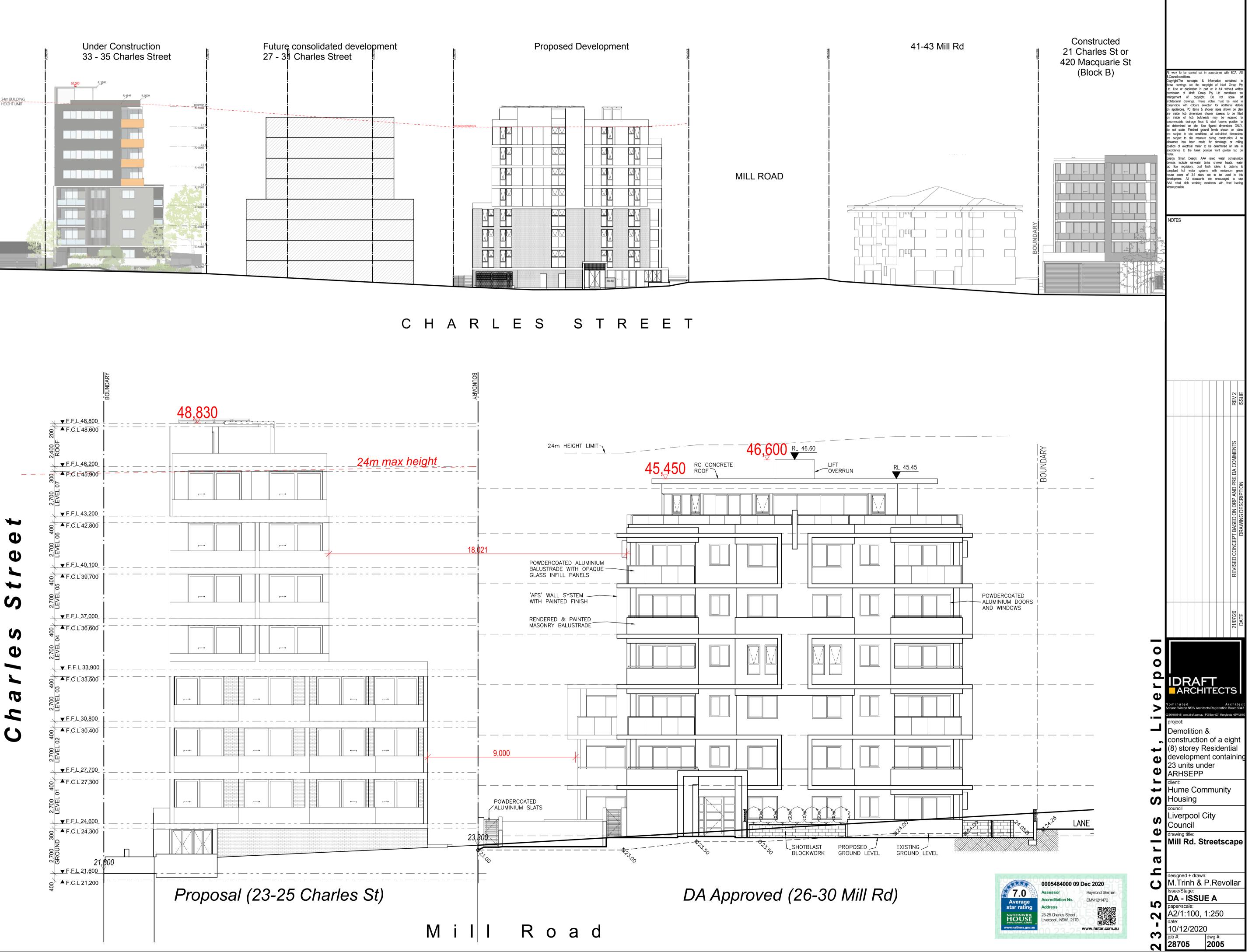
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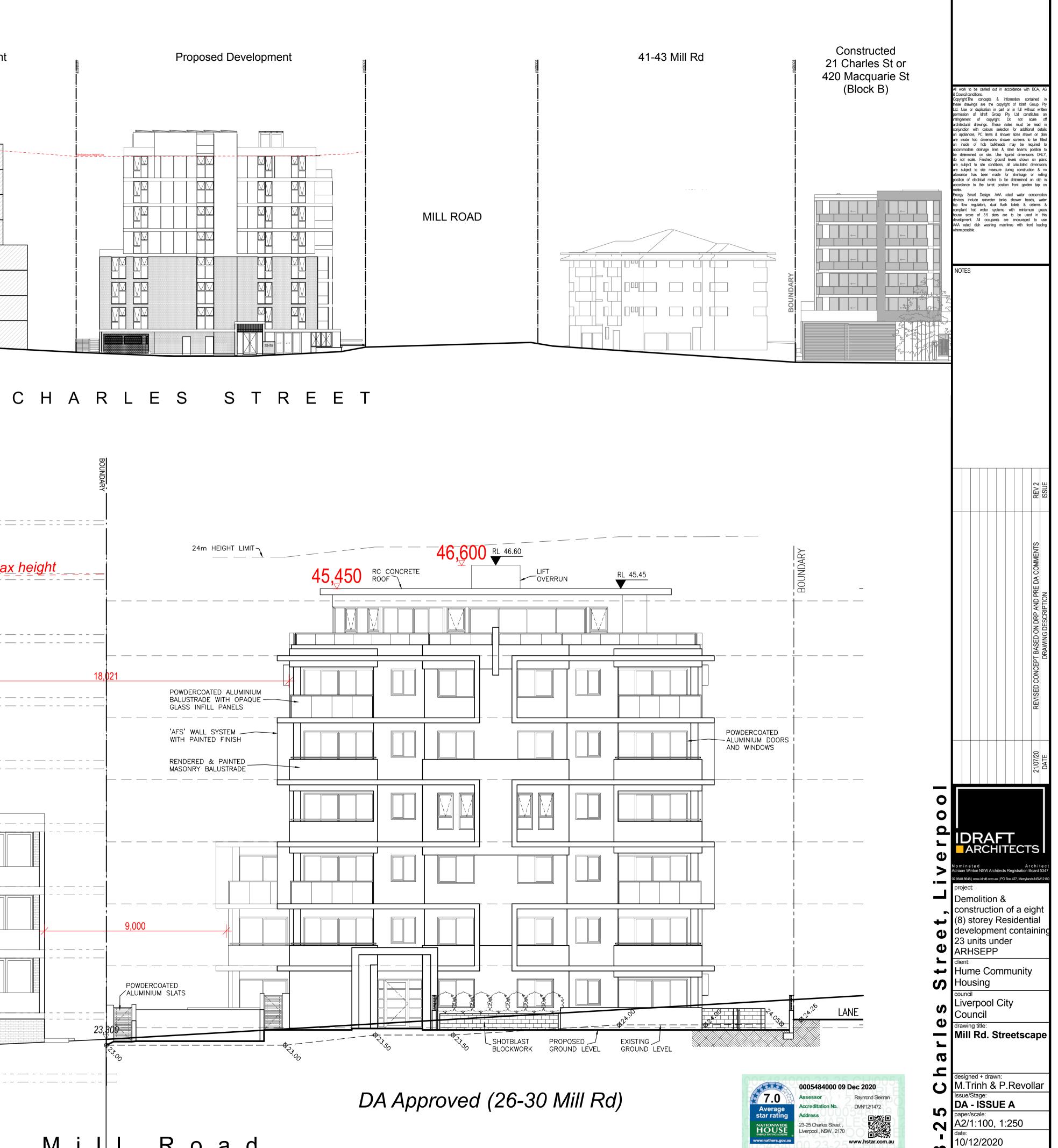
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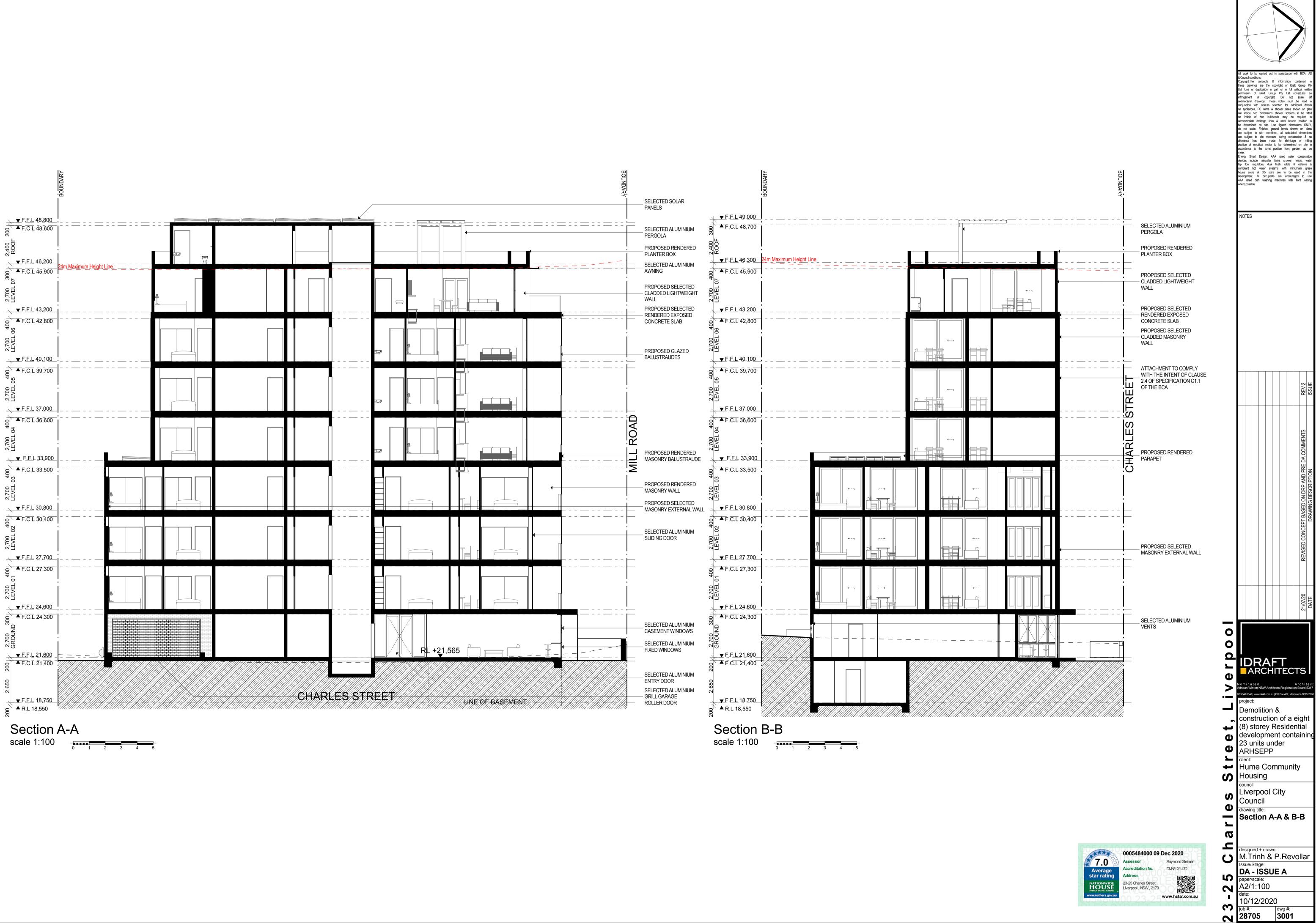
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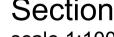
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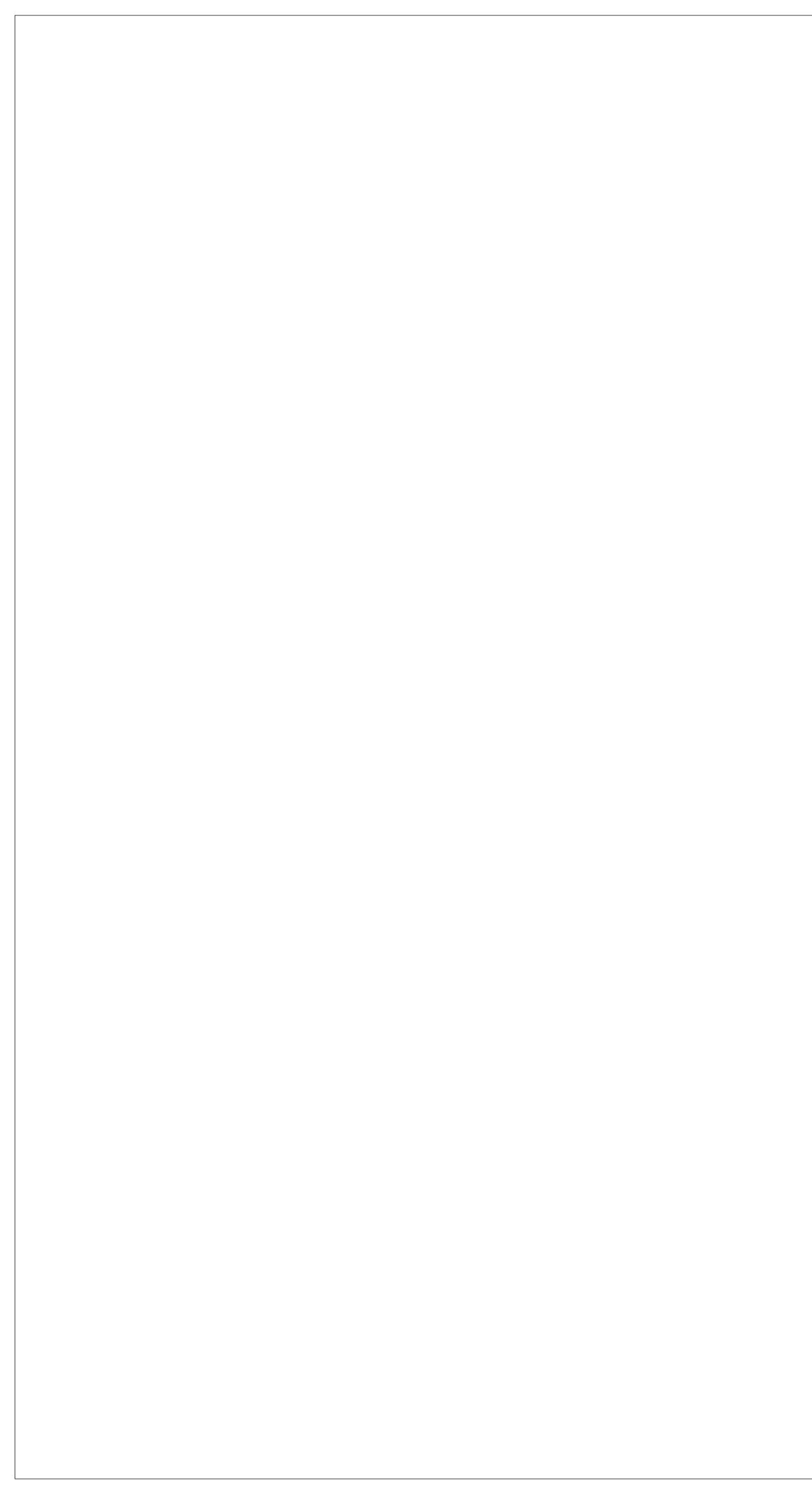
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	43	1	41	14	2	4	2	2	1	2	6	<u> </u>
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HEAD HEIGHT	2,700	2,700		2,700	2,700	2,700	2,700	2,700	900	900	2,700	2,700
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PLAN						<u> </u>						
ELEVATION												
DOOR SCHEDULE	D01	D02	D03	D04	D05							
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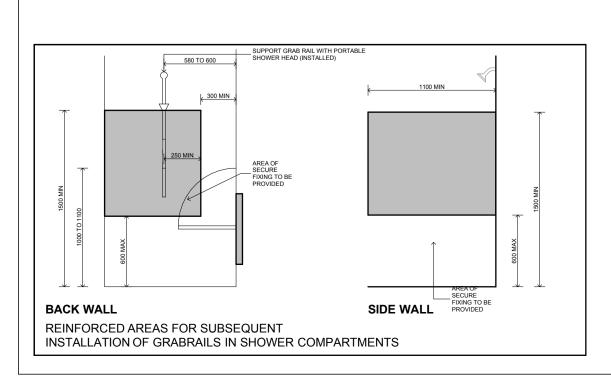


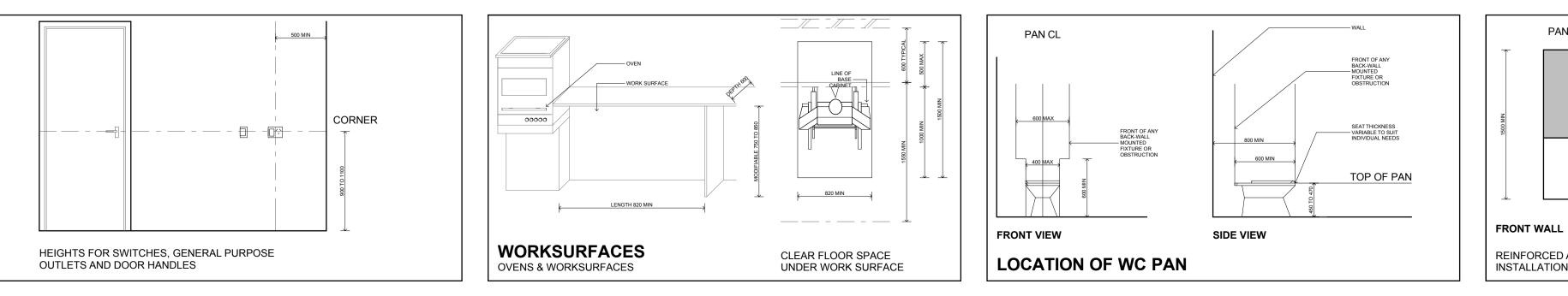
SCHEDULE OF FEATURES FOR ADAPTABLE HOUSING

ADAPTABLE HOUSE CLASS C

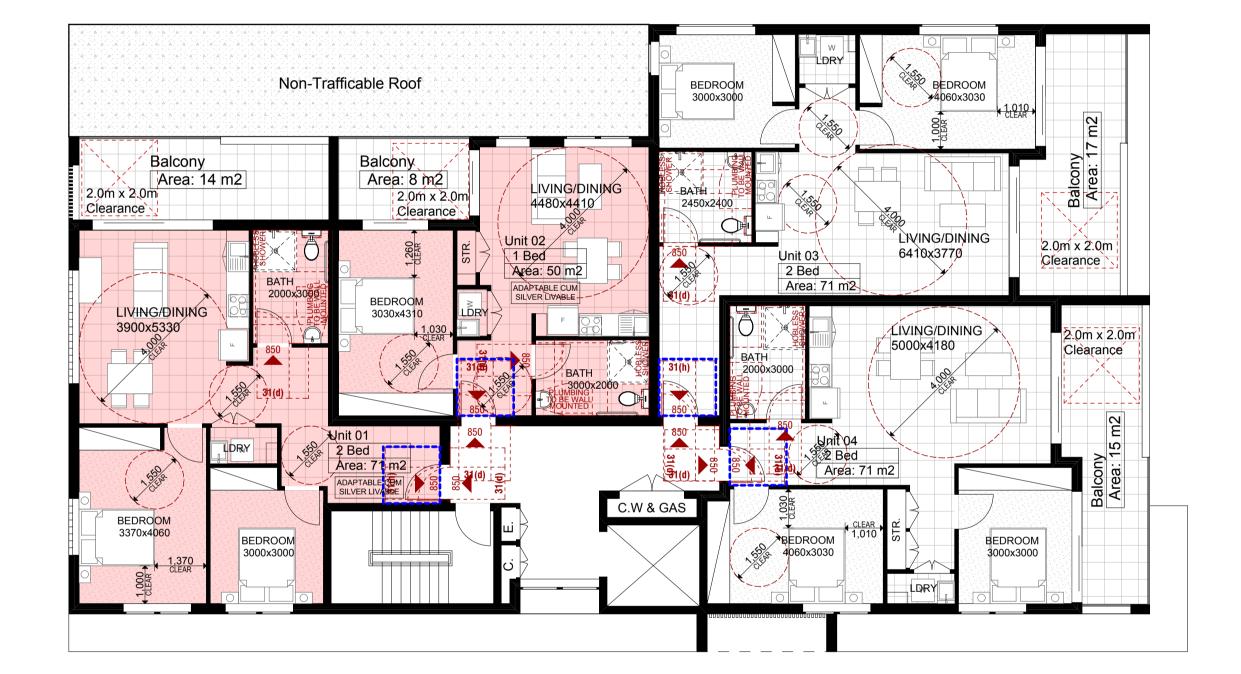
All essential features	incorporated.
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1	DRAWINGS Provision of drawings showing the housing unit in its pre-adaption and post-adaption stages	CLAUSE 2.3
	SITING	2.0
3	A continuous accessible path of travel from street frontage and vehicle parking to entry	
	complying with AS1428.1 LETTERBOXES IN ESTATE DEVELOPMENTS	3.3.2
11	Letterboxes to be on hard standing area connected to accessible pathway	3.8
	PRIVATE CAR ACCOMMODATION	
14	Carparking space or garage min. area 6.0m x 3.8m	3.7.2
20	ACCESSIBLE ENTRY Accessible entry	4.3.1
20	Accessible entry Accessible entry to be level (i.e. max. 1:40 slope)	4.3.1
23	Threshold to be low-level	4.3.2
24	Landing to enable wheelchair manoeuvrability	4.3.2
25 27	Accessible entry door to have 850mm min clearance Door lever handles and hardware to AS 1428.1	4.3.1 4.3.4
21	INTERIOR GENERAL	4.3.4
32	Internal doors to have 820 mm min clearance	4.3.3
33	Internal corridors min. width of 1000mm	4.3.7
34	Provision for compliance with AS 1428.1 for door approaces	4.3.7
36	LIVING ROOM & DINING ROOM	4.7.1
38	Provision for circulation space of min 2250mm diameter Telephone adjacent to GPO	4.7.1
41	Potential illumination level min 300 lux	4.10
	KITCHEN	
42	Minimum width 2.7m (1550mm clear between bences)	4.5.2
43 44	Provision for circulation at doors to comply with AS 1428.1	4.5.1
44	Provision for benches planned to include at least one worksurface of 800mm length, adjustable in height from 750mm to 850mm or replaceable. refer to Figure 4.8	4.5.5
45	Refrigerator adjacent to work surface	4.5.5
46	Kitchen sink adjustable to heights from 750mm to 850mm or replacable	4.5.6
47	Kitchen sink bowl max 150mm deep	4.5.6
48	Tap set capstan or lever handles or lever mixer	4.5.6 (e)
49 51	Tap set located within 300mm of front of sink Cooktops to include either front or side controls with raised cross bars	4.5.6 (e) 4.5.7
52	Cooktops to include entrement of side controls with laised closs bars	4.5.7
53	Worksurface min 800mm length adjacent to cooktop at same height	4.5.7
54	Oven located adjacent to an adjustable height or replaceable work surface	4.5.8
59 60	GPOs to comply with AS 1428.1. At least one double GPO with 300mm of front of worksurface	4.5.11
60 61	GPO for refrigerator to be easily reachable when the refrigerator is in its operating position Slip-resistant floor surface	4.5.11 4.5.4
01	MAIN BEDROOM	4.0.4
62	At least one bedroom of area sufficient to accommodate queen size bed and wardrobe and	
	circulation space requirements of AS 1428.2	4.6.1
75	BATHROOM	
75 76	Provision for bathroom area to comply with as 1428.1 Slip-resistant floor surface	4.4.1 4.4.2
77	Shower recess - no hob. Minimum size 1160 x 1100 to comply with AS 1428.1.	4.4.4 (f)
78	Shower area waterproofed to AS 3740 with floor to fall to waste	4.4.4 (f)
79	Recessed soap holder	4.4.4 (f)
80	Shower taps positioned for easy reach to access side of shower sliding track	4.4.4 (f)
82	Provision for adjustable, detachable hand held shower rose mounted on a slider grabrail or fixed hook (plumbing and wall-strengthening provision)	4.4.4 (h)
83	Provision for grabrail in shower to comply with AS 1428.1	4.4.4 (h)
86	Tap sets to be capstan or lever handles with single outlet	4.4.4 (c)
88	Provision for washbasin with clearance to comply with AS 1428.1	4.4.4 (g)
90	Double GPO beside mirror TOILET	4.4.4 (d)
92	Provision of either 'visitable toilet' or accessible toilet	4.4.3
93	Provision to comply with AS 1428.1	4.4.1
94	Location of WC pan at correct distance from fixed walls	4.4.3
95	Provision for grab rail zone.	4.4.4 (h)
96	Slip resistant floor surface (Vitreous tiles or similar). LAUNDRY	4.4.2
98	Circulation at doors to comply with AS 1428.1	4.8
99 100	Provision for adequate circulation space in front of or beside appliances (min 1550 mm depth)	4.8 4.8 (c)
100 102	Provision for automatic washing machine Where clothes line is provided an accessible path of travel to this	4.8 (e) 4.8 (a)
102	Double GPO	4.8 (a) 4.8 (g)
108	Slip-resistant floor surface	4.9.1
	DOOR LOCKS	
110	Door hardware operable with one hand, located 900-1100mm above floor.	4.3.





TYPICAL LG - L3 - ADAPTATION DETAILS ADAPTABLE UNITS REQUIRED 10% - 3 UNITS ADAPTABLE UNITS PROVIDED 10% - 3 UNITS (UNIT 01, UNIT 02,



LEVEL 1 Area: 289 m2

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NORTH POINT

UNIT 05)

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		AREA OF SECURE FIXING TO BE PROVIDED	

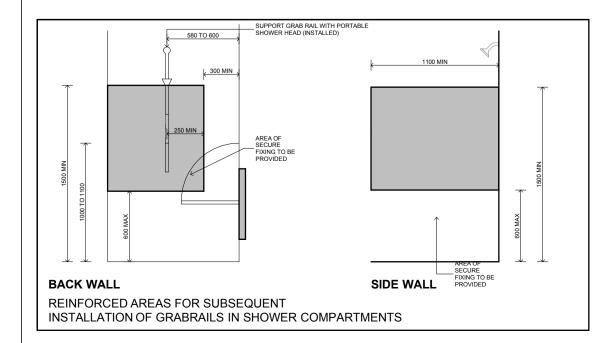
NFORCED AREAS FOR SUBSEQUENT TALLATION OF GRABRAILS IN TOILETS

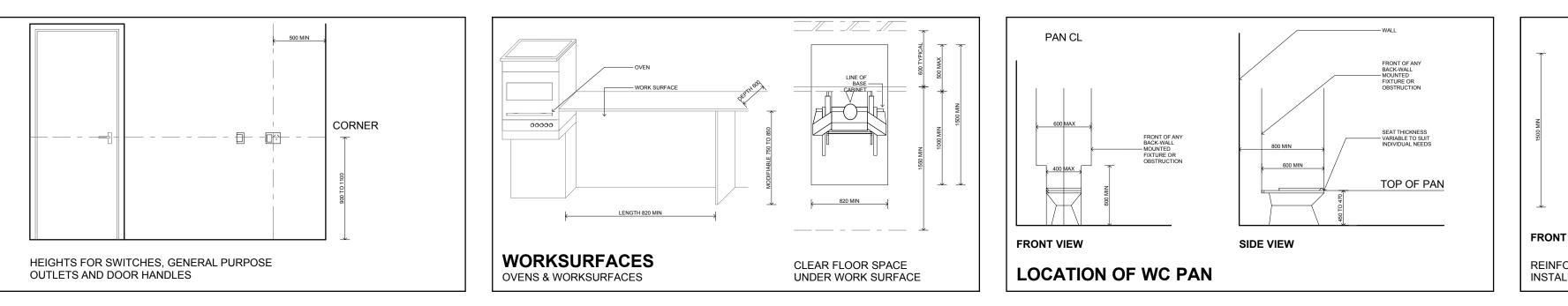
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SCHEDULE OF FEATURES FOR ADAPTABLE HOUSING ADAPTABLE HOUSE CLASS C

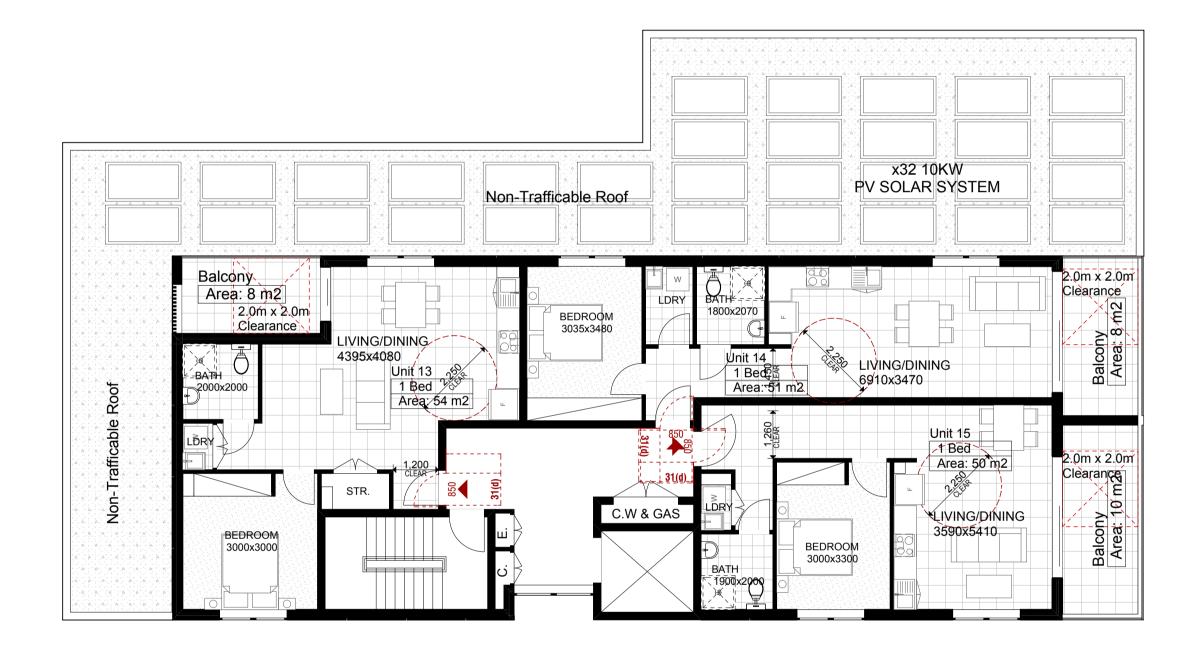
All essential features incorporated.

	DRAWINGS		AUSE	
1	Provision of drawings showing the housing unit in its pre-adaption and post-adaption stages SITING	2.3		
3	A continuous accessible path of travel from street frontage and vehicle parking to entry complying with AS1428.1			3.3.2
11	LETTERBOXES IN ESTATE DEVELOPMENTS Letterboxes to be on hard standing area connected to accessible pathway		3.8	
14	PRIVATE CAR ACCOMMODATION Carparking space or garage min. area 6.0m x 3.8m ACCESSIBLE ENTRY		3.7.2	
20	Accessible entry			4.3.1
22	Accessible entry to be level (i.e. max. 1:40 slope)		4.3.2	
23 24	Threshold to be low-level Landing to enable wheelchair manoeuvrability		4.3.2 4.3.2	
24	Accessible entry door to have 850mm min clearance		4.3.2 4.3.1	
27	Door lever handles and hardware to AS 1428.1		4.3.4	
	INTERIOR GENERAL			
32	Internal doors to have 820 mm min clearance		4.3.3	
33 34	Internal corridors min. width of 1000mm Provision for compliance with AS 1428.1 for door approaces		4.3.7 4.3.7	
	LIVING ROOM & DINING ROOM		4.0.7	
36	Provision for circulation space of min 2250mm diameter		4.7.1	
38	Telephone adjacent to GPO		4.7.4	
41	Potential illumination level min 300 lux		4.10	
42	KITCHEN Minimum width 2.7m (1550mm clear between bences)		4.5.2	
43	Provision for circulation at doors to comply with AS 1428.1	4.5.1		
44	Provision for benches planned to include at least one worksurface of 800mm length,			
45	adjustable in height from 750mm to 850mm or replaceable. refer to Figure 4.8	4.5.5		
45 46	Refrigerator adjacent to work surface Kitchen sink adjustable to heights from 750mm to 850mm or replacable		4.5.5 4.5.6	
40	Kitchen sink adjustable to heights from 750mm to 650mm of replacable		4.5.6	
48	Tap set capstan or lever handles or lever mixer		4.5.6 (e)	
49	Tap set located within 300mm of front of sink		4.5.6 (e)	
51	Cooktops to include either front or side controls with raised cross bars		4.5.7	
52 53	Cooktops to include isolationg switch Worksurface min 800mm length adjacent to cooktop at same height	4.5.7	4.5.7	
54	Oven located adjacent to an adjustable height or replaceable work surface	4.5.8		
59	GPOs to comply with AS 1428.1. At least one double GPO with 300mm of front of worksurface	4.5.11		
60	GPO for refrigerator to be easily reachable when the refrigerator is in its operating position	4.5.11		
61	Slip-resistant floor surface		4.5.4	
62	MAIN BEDROOM At least one bedroom of area sufficient to accommodate queen size bed and wardrobe and			
02	circulation space requirements of AS 1428.2		4.6.1	
	BATHROOM			
75	Provision for bathroom area to comply with as 1428.1		4.4.1	
76 77	Slip-resistant floor surface Shower recess - no hob. Minimum size 1160 x 1100 to comply with AS 1428.1.	4.4.4 (f)	4.4.2	
78	Shower area waterproofed to AS 3740 with floor to fall to waste	ч.ч.ч (I)	4.4.4 (f)	
79	Recessed soap holder		()	4.4.4 (f)
80	Shower taps positioned for easy reach to access side of shower sliding track	4.4.4 (f)		
82	Provision for adjustable, detachable hand held shower rose mounted on a slider grabrail or fixed hook (plumbing and wall-strengthening provision)		4.4.4 (h)	
83	Provision for grabrail in shower to comply with AS 1428.1		4.4.4 (h)	
86	Tap sets to be capstan or lever handles with single outlet		4.4.4 (c)	
88	Provision for washbasin with clearance to comply with AS 1428.1		4.4.4 (g)	
90	Double GPO beside mirror TOILET		4.4.4 (d)	
92	Provision of either 'visitable toilet' or accessible toilet		4.4.3	
93	Provision to comply with AS 1428.1		4.4.1	
94	Location of WC pan at correct distance from fixed walls		4.4.3	
95 06	Provision for grab rail zone.		4.4.4 (h)	
96	Slip resistant floor surface (Vitreous tiles or similar). LAUNDRY		4.4.2	
98	Circulation at doors to comply with AS 1428.1		4.8	
99	Provision for adequate circulation space in front of or beside appliances (min 1550 mm depth)	4.8		
100	Provision for automatic washing machine			4.8 (e)
102 105	Where clothes line is provided an accessible path of travel to this Double GPO		4.8 (a)	4.8 (g)
105	Slip-resistant floor surface		4.9.1	ч.0 (<u>y</u>)
	DOOR LOCKS			
110	Door hardware operable with one hand, located 900-1100mm above floor.	4.3.		





TYPICAL L4 - L6 - ADAPTATION DETAILS ADAPTABLE UNITS REQUIRED 10% - 3 UNITS ADAPTABLE UNITS PROVIDED 10% - 3 UNITS (UNIT 01, UNIT 02,



LEVEL 4 Area: 176 m2

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UNIT 05))
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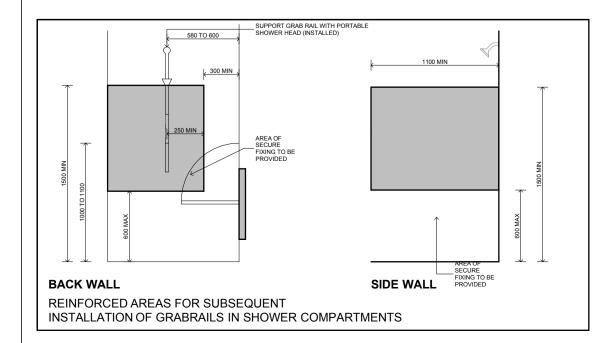
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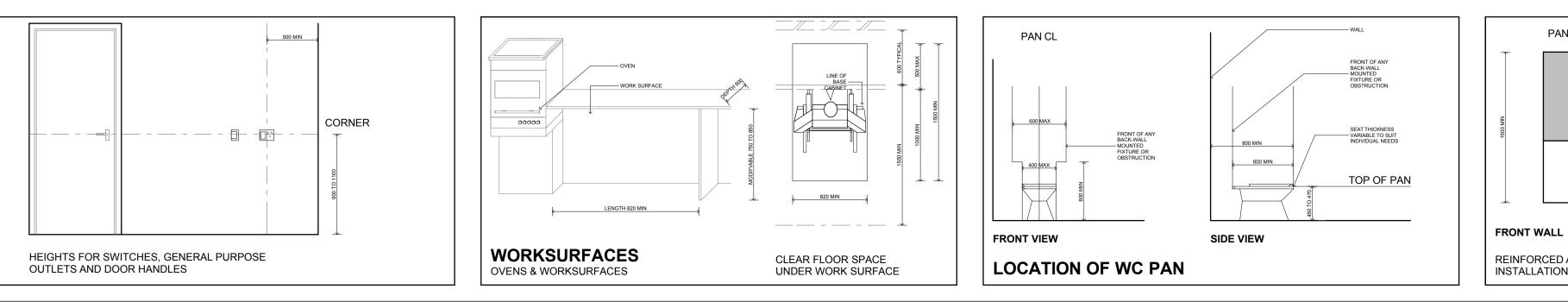
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SCHEDULE OF FEATURES FOR ADAPTABLE HOUSING ADAPTABLE HOUSE CLASS C

All essential features incorporated.

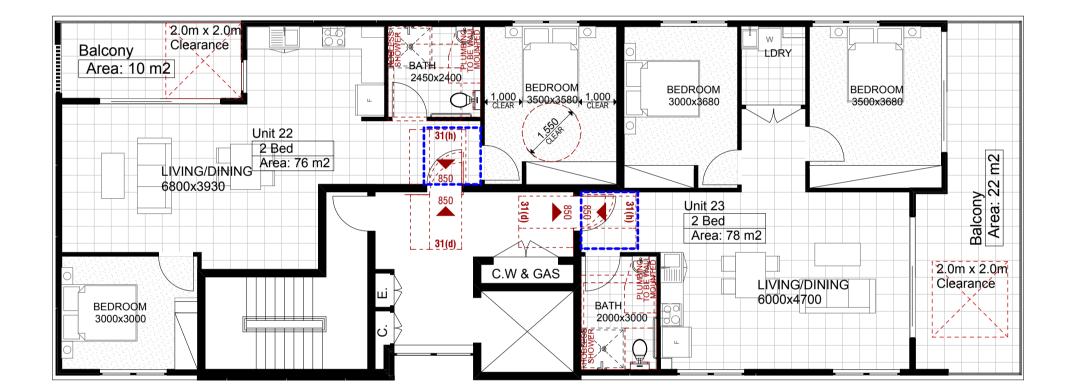
	DRAWINGS		AUSE	
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20	Accessible entry			4.3.1
22	Accessible entry to be level (i.e. max. 1:40 slope)		4.3.2	
23 24	Threshold to be low-level Landing to enable wheelchair manoeuvrability		4.3.2 4.3.2	
24	Accessible entry door to have 850mm min clearance		4.3.2 4.3.1	
27	Door lever handles and hardware to AS 1428.1		4.3.4	
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33 34	Internal corridors min. width of 1000mm Provision for compliance with AS 1428.1 for door approaces		4.3.7 4.3.7	
	LIVING ROOM & DINING ROOM		4.0.7	
36	Provision for circulation space of min 2250mm diameter		4.7.1	
38	Telephone adjacent to GPO		4.7.4	
41	Potential illumination level min 300 lux		4.10	
42	KITCHEN Minimum width 2.7m (1550mm clear between bences)		4.5.2	
43	Provision for circulation at doors to comply with AS 1428.1	4.5.1		
44	Provision for benches planned to include at least one worksurface of 800mm length,			
45	adjustable in height from 750mm to 850mm or replaceable. refer to Figure 4.8	4.5.5	455	
45 46	Refrigerator adjacent to work surface Kitchen sink adjustable to heights from 750mm to 850mm or replacable		4.5.5 4.5.6	
40	Kitchen sink adjustable to heights from 750mm to 650mm of replacable		4.5.6	
48	Tap set capstan or lever handles or lever mixer		4.5.6 (e)	
49	Tap set located within 300mm of front of sink		4.5.6 (e)	
51	Cooktops to include either front or side controls with raised cross bars		4.5.7	
52 53	Cooktops to include isolationg switch Worksurface min 800mm length adjacent to cooktop at same height	4.5.7	4.5.7	
54	Oven located adjacent to an adjustable height or replaceable work surface	4.5.8		
59	GPOs to comply with AS 1428.1. At least one double GPO with 300mm of front of worksurface	4.5.11		
60	GPO for refrigerator to be easily reachable when the refrigerator is in its operating position	4.5.11		
61	Slip-resistant floor surface		4.5.4	
62	MAIN BEDROOM At least one bedroom of area sufficient to accommodate queen size bed and wardrobe and			
02	circulation space requirements of AS 1428.2		4.6.1	
	BATHROOM			
75	Provision for bathroom area to comply with as 1428.1		4.4.1	
76 77	Slip-resistant floor surface Shower recess - no hob. Minimum size 1160 x 1100 to comply with AS 1428.1.	4.4.4 (f)	4.4.2	
78	Shower area waterproofed to AS 3740 with floor to fall to waste	ч.ч.ч (I)	4.4.4 (f)	
79	Recessed soap holder		()	4.4.4 (f)
80	Shower taps positioned for easy reach to access side of shower sliding track	4.4.4 (f)		
82	Provision for adjustable, detachable hand held shower rose mounted on a slider grabrail or fixed hook (plumbing and wall-strengthening provision)		4.4.4 (h)	
83	Provision for grabrail in shower to comply with AS 1428.1		4.4.4 (h)	
86	Tap sets to be capstan or lever handles with single outlet		4.4.4 (c)	
88	Provision for washbasin with clearance to comply with AS 1428.1		4.4.4 (g)	
90	Double GPO beside mirror TOILET		4.4.4 (d)	
92	Provision of either 'visitable toilet' or accessible toilet		4.4.3	
93	Provision to comply with AS 1428.1		4.4.1	
94	Location of WC pan at correct distance from fixed walls		4.4.3	
95 06	Provision for grab rail zone.		4.4.4 (h)	
96	Slip resistant floor surface (Vitreous tiles or similar). LAUNDRY		4.4.2	
98	Circulation at doors to comply with AS 1428.1		4.8	
99	Provision for adequate circulation space in front of or beside appliances (min 1550 mm depth)	4.8		
100	Provision for automatic washing machine			4.8 (e)
102 105	Where clothes line is provided an accessible path of travel to this Double GPO		4.8 (a)	4.8 (g)
105	Slip-resistant floor surface		4.9.1	ч.0 (<u>y</u>)
	DOOR LOCKS			
110	Door hardware operable with one hand, located 900-1100mm above floor.	4.3.		





TYPICAL L7

ADAPTABLE UNITS REQUIRED 10% - 3 UNITS ADAPTABLE UNITS PROVIDED 10% - 3 UNITS (UNIT 01, UNIT 02,



LEVEL 7 Area: 170 m2

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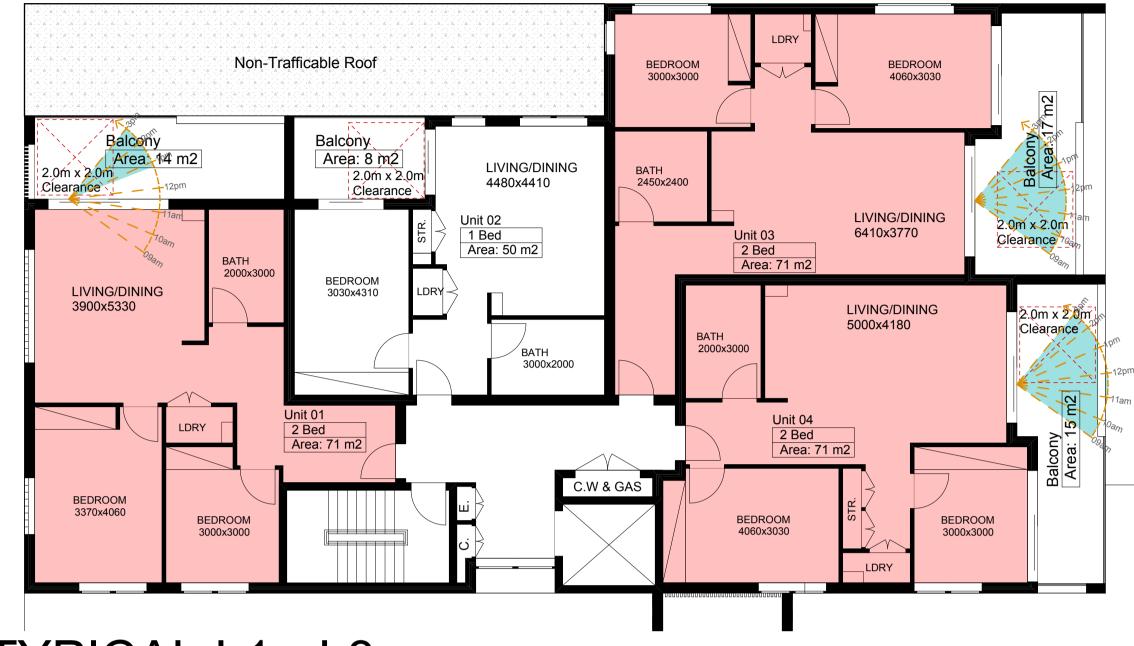
NORTH POINT

UNIT 05)

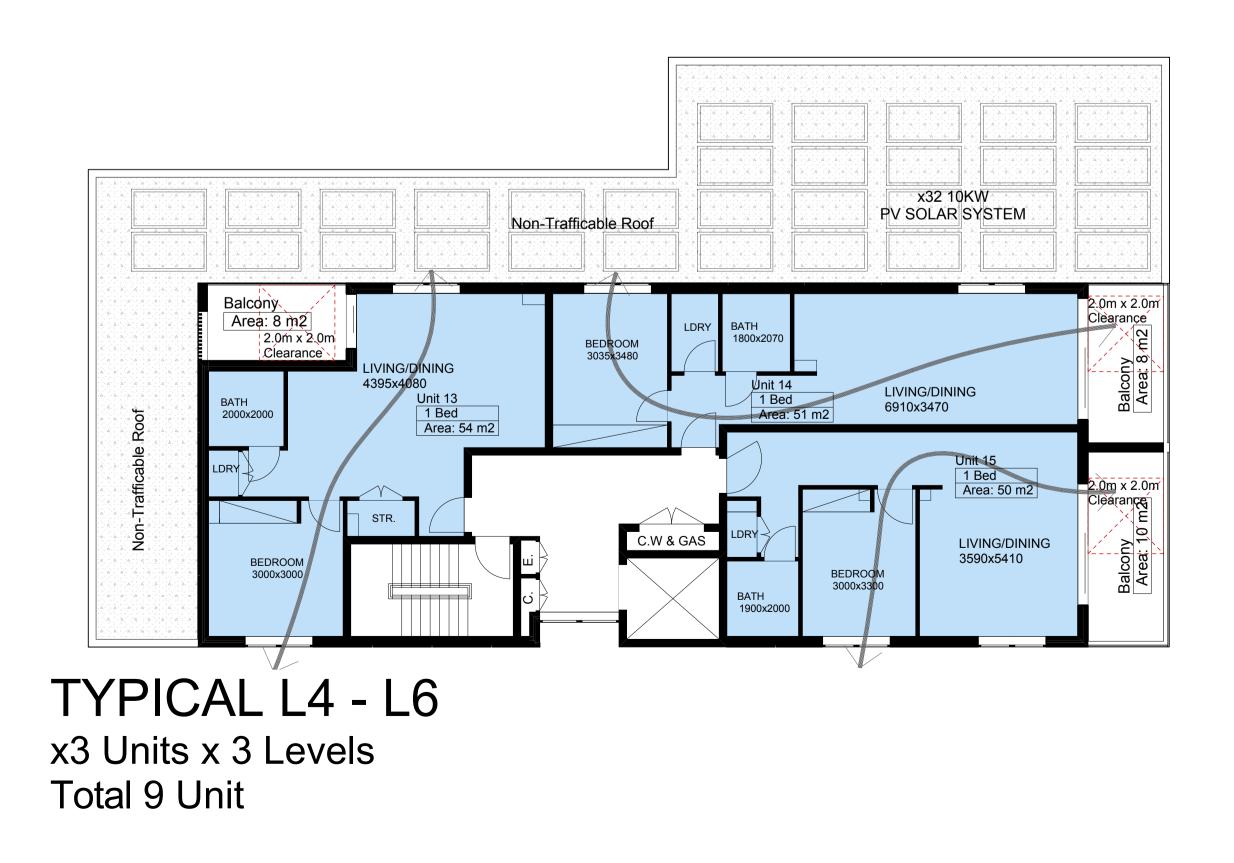
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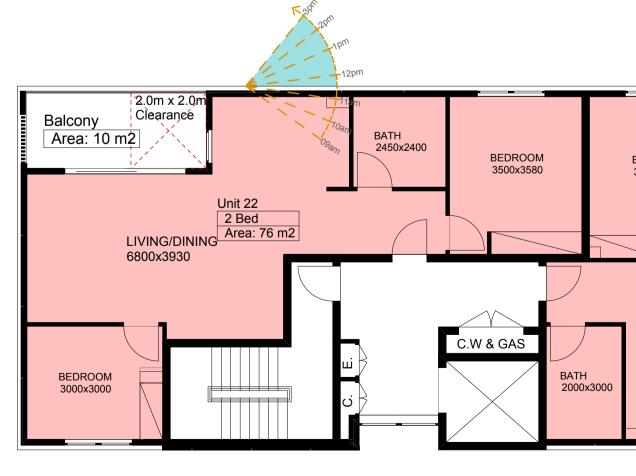
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TYPICAL L1 - L3 x3 Units x 3 Levels Total 9 Unit

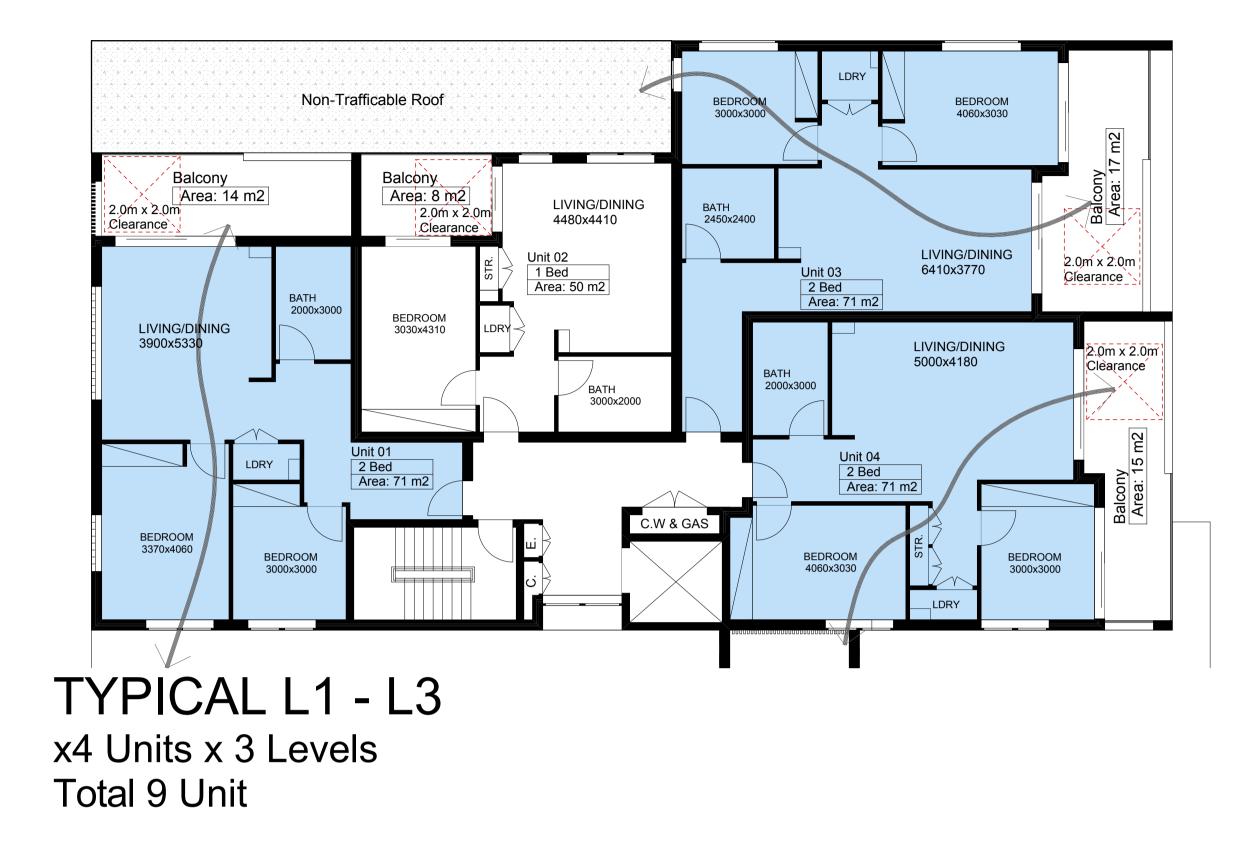


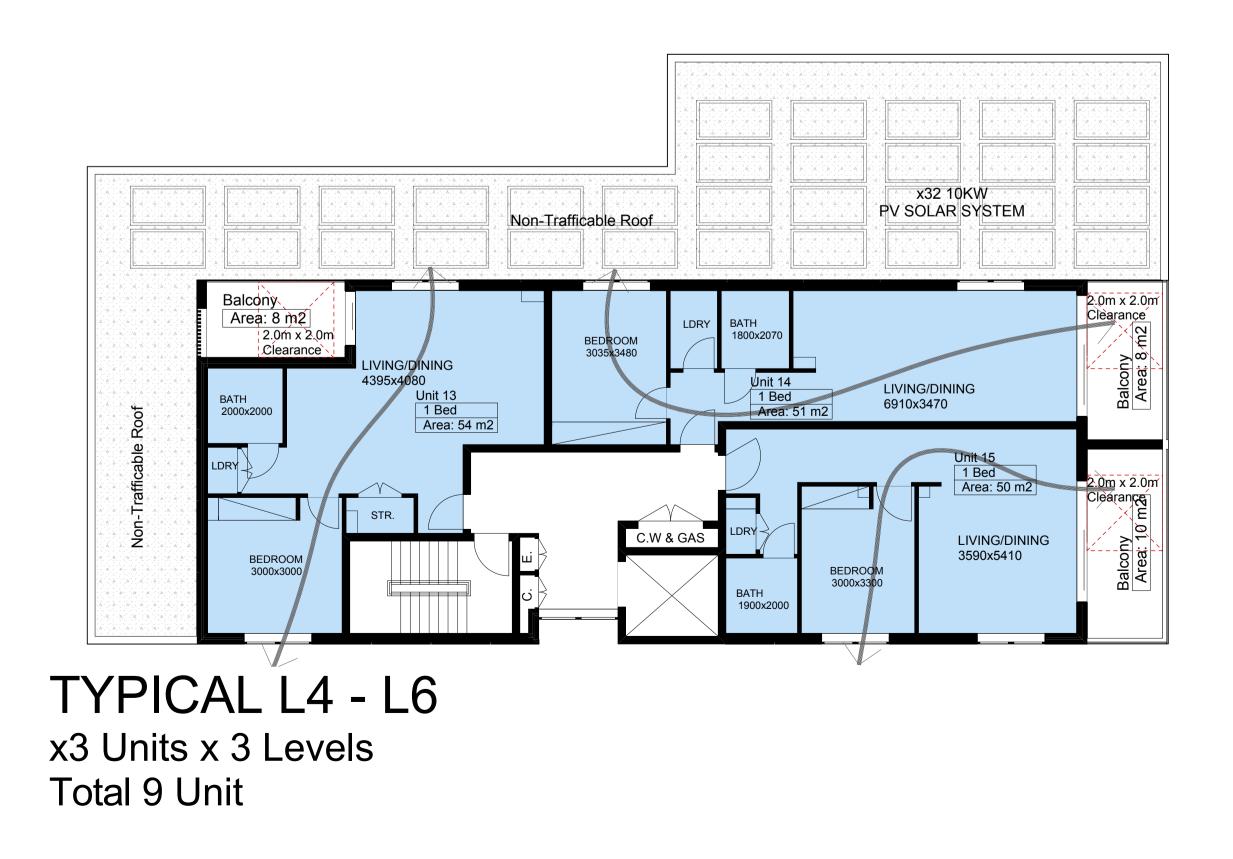


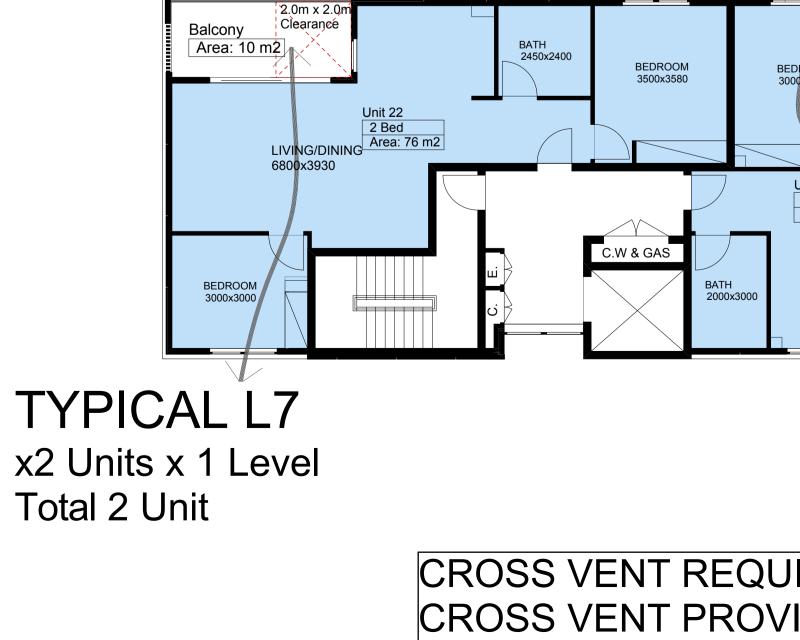
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BEDROOM 35000x3680 Unit 23 2 Bed Area: 78 m2 LIVING/DINING 6000x4700		reet, Li	Nomi l Adriaan 29949 De COI (8) de 23 AR Clier Hu COU COU COU draw SC	ect: moli nstru stor velop units HSE tt: ime pusir	tion iction iction iction rey F ome s un EPP Con g Dol (il	ects Regis PO Box 427 & n of Resic der nmu Dity	CT Ar c stration Bc 7, Menylands a eig denti bontai	ght ial
	17 ROO 20 ROO	5 C 2 2 C	M. Issu D Pape A2 date 10 job #	Trinl e/Stage A - IS er/scale 2/1:1 : : /12/2	h & s s s 00	P.R E A	¥:	lar







				All work to be carried out in accordance with BCA AS Council conditions. Copyright To Hard Group Pty Ltd. Use or duplication in part or in full without writer permission of ldraft Group Pty Ltd constitutes an infringement of copyright To Intal Group Pty Ltd. Use or duplication in part or in full without writer permission of ldraft Group Pty Ltd constitutes an infringement of copyright To Intal Group Pty Ltd. Use or duplication in part or in full without writer permission of ldraft Group Pty Ltd constitutes an infringement of copyright To Intal Group Pty Ltd. Use or duplication is shower screens to be fitted on inside of hob bulkheads may be required to accommodate drainage lines & steel bearns position to be determined on site. Use figured dimensions ONLY, do not scale. Finished ground levels shown on plans are subject to site measure during construction & no allowance has been made for shrinkage or milling position of electrical meter to be determined on site in accordance to the turret position front garden tap on meter. Energy Smart Design: AAA rated water conservation tap fow requilators, dual thish toilets & disters & formplant hot water systems with minimum green nouse score of 35 stars are to be used AAA rated dish washing machines with front loading where possible.
				21/07/20 REVISED CONCEPT BASED ON DRP AND PRE DA COMMENTS REV 2 DATE DRAWING DESCRIPTION ISUE
	Balcony above above Area: 22 m2		Street, Liv	Architect Adriaan Winton NSW Architects Registration Board 5347 229548 8449 www.idrat.com.au (PO Box 427, Menylands NSW 2160 project: Demolition & construction of a eight (8) storey Residential development containing 23 units under ARHSEPP client: Hume Community Housing council Liverpool City Council drawing title: Cross Ventilation Diagrams designed + drawn: M.Trinh & P.Revollar Issue/Stage:
JIRED - 60% /IDED - 100%		ROOMS ROOMS	23-25	DA - ISSUE A paper/scale: A2/1:100 date: 10/12/2020



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CHARLES

Level 1 scale 1:200 Potential for Fully Accessible LHG - Silver level LHG - Platinum level

STREET





CHARLES

Level 4 scale 1:200 LEVEL 4 Area: 176 m2 Potential for Fully Accessible LHG - Silver level LHG - Platinum level

STREET



ROAD

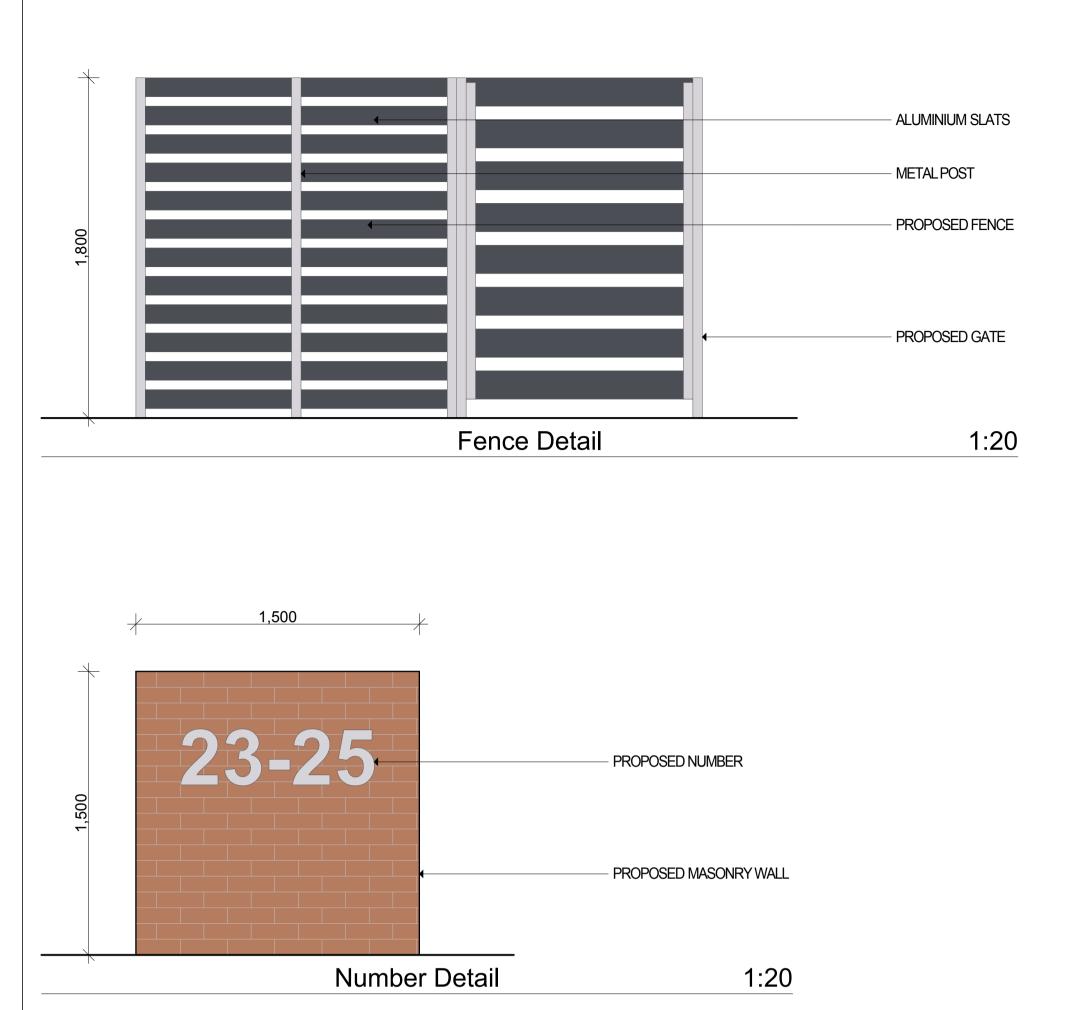
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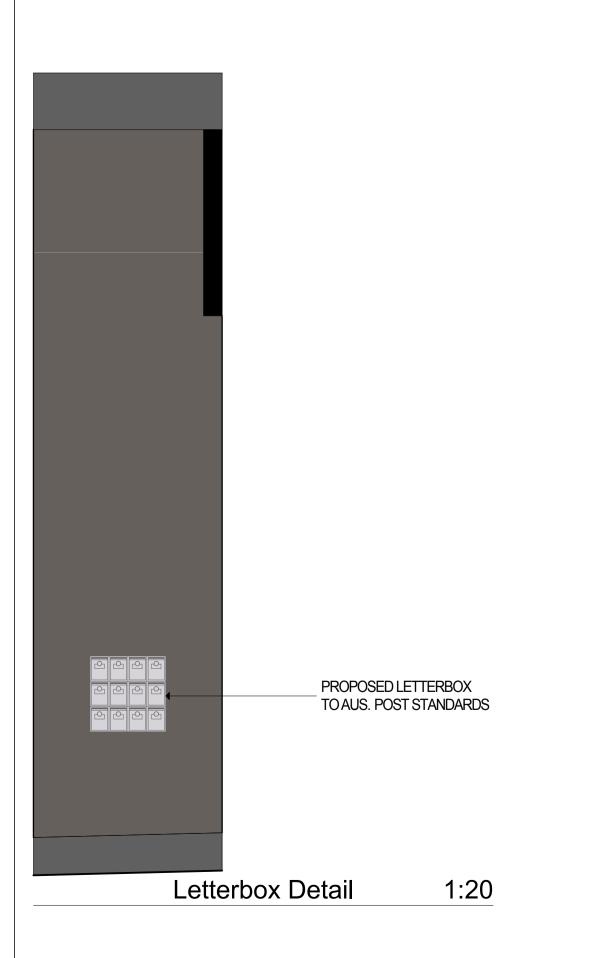
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ROAD

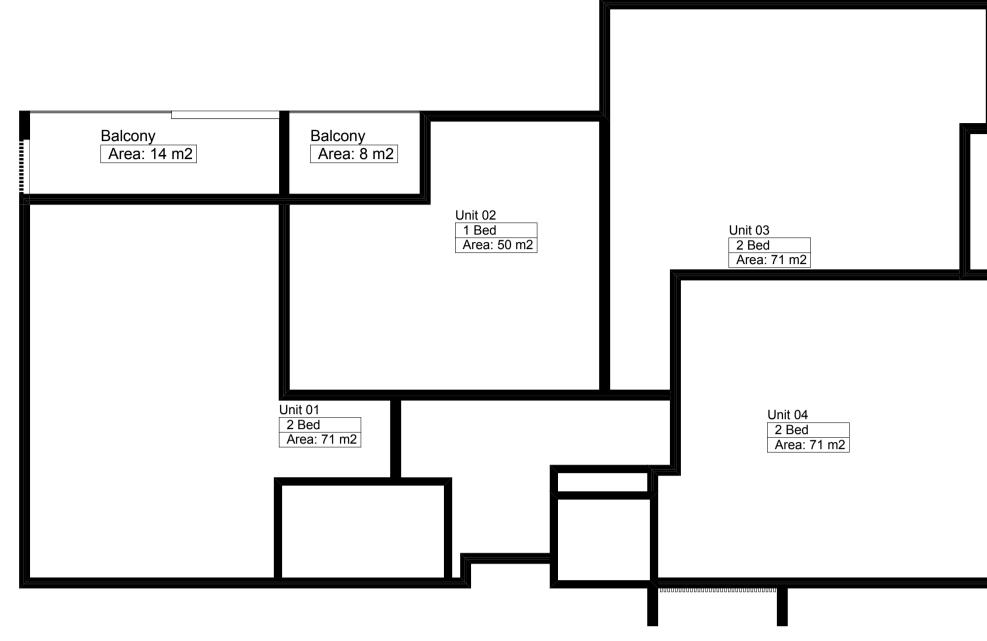
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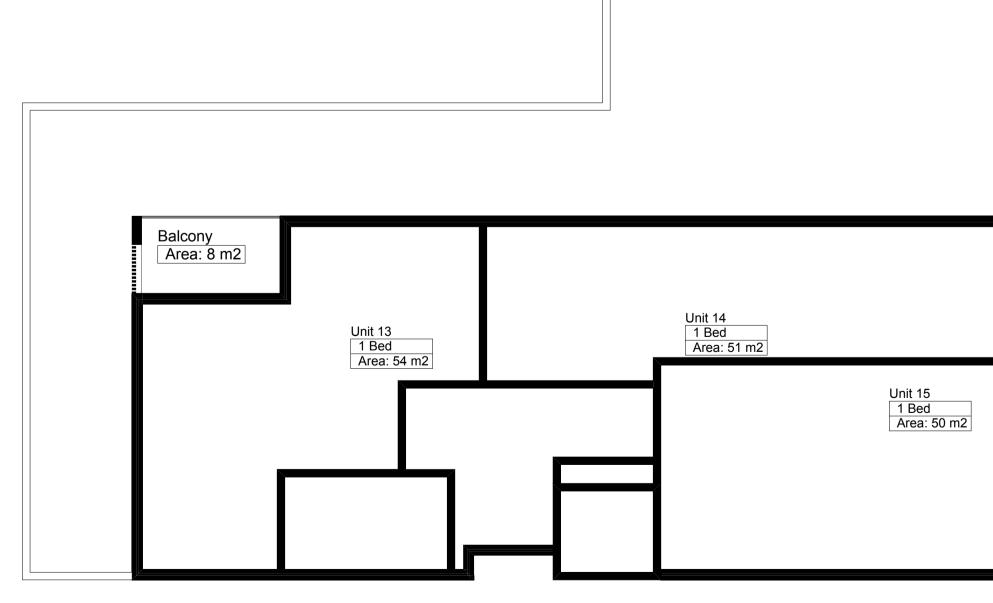


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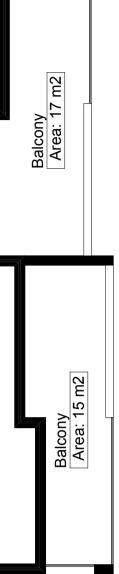


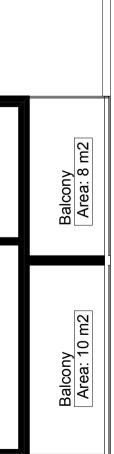


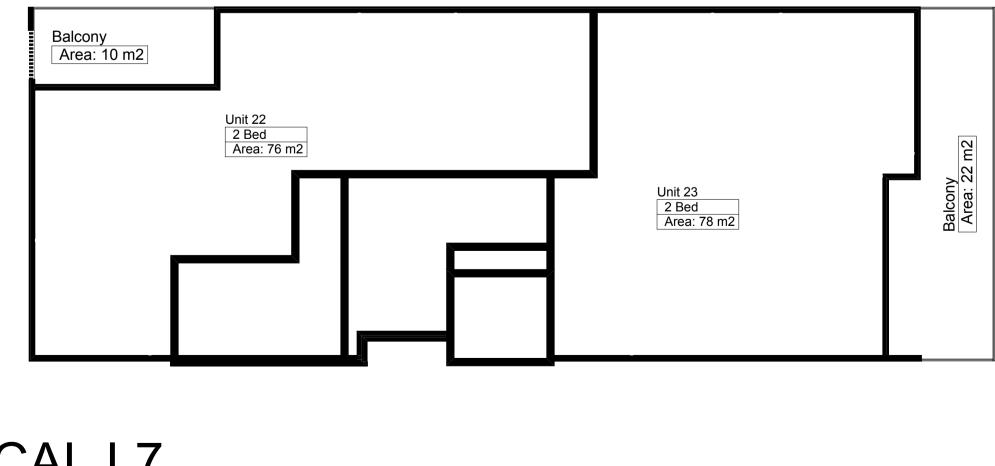
TYPICAL L1 - L3 UNIT 01 - 12



TYPICAL L4 - L6 UNIT 13 - 21







TYPICAL L7 UNIT 22 & 23

