

MERITON APARTMENTS

Proposed new residential buildings

To be built at:

330 Church Street, PARRAMATTA

BASIX Assessment

Issue No.	Description	Author	Date
No. 01	Assessment and certification	TC/DH	18/05/11
No. 02	Revised assessment and certification due to increased height of proposal	MF/TMC/DA	30/06/13



This report has been prepared by Efficient Living Pty Ltd on behalf of our client Meriton Apartments. Efficient Living prepares all reports in accordance with the BASIX thermal comfort protocols and is backed by professional indemnity insurance. This report takes into account our client's instructions and preferred building inclusions.



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BASIX CERTIFICATES



INTRODUCTION

Efficient Living has investigated the estimated thermal comfort, water and energy usage of the proposed development to be built at 330 Church St, PARRAMATTA.

Heating and cooling loads for the development have been determined using BERS thermal simulation software. The report is based on the architectural drawings provided by Meriton. For further details, refer to the individual BASIX certificates and Efficient Living Inclusions Summary respectively.

ANALYSIS

The BASIX assessment is divided into three sections, each independently measuring the efficiency of the development. These are Water, Thermal Comfort and Energy.

BASIX requires a minimum target of 40% for the Water section. A BERS pass or fail is required for the thermal comfort section and a minimum required target of 20% for the energy section.

WATER

The proposed development has achieved the BASIX Water target of 40%.

The water usage of the development is calculated based on the number and efficiency of permanent fixtures and appliances such as: taps, showerheads and toilets, the dish washer and clothes washing machine.

The size of the rain tank and number of connections has a huge impact on your water score as does the area of gardens and lawns and whether or not low-water plant species are incorporated.

THERMAL COMFORT

Thermal Comfort targets are set by the department of planning in the form of heating and cooling caps. The buildings thermal physics is measured using BERS thermal performance assessment tools. This equates an expected level of energy consumption to heat and cool each dwelling per annum expressed in MJ (mega joules) per square meter of floor area.

Each unit has individual heating and cooling caps and a weighted average heating and cooling load for the whole development. The weighted average caps are a lot harder to achieve than the individual unit caps.

ENERGY

The proposed development has achieved the energy target of 20% to pass this section.

The energy usage of the development is calculated based on the efficiency of fixed appliances that will be used. This includes the air conditioning system, hot water system, lighting, exhaust fans and the cook top, oven, and clothes drying facilities.

Inclusions Summary

Riverfront Apartments, West Tower

All units have reached the targets as set for new dwellings in NSW.

The inclusions as outlined in the table below have been incorporated in each unit to allow them to reach their environmental sustainability targets.

Construction general	
Glazing	Doors / windows: Aluminium framed single glazed Low-e, grey tint to selected units detailed in the thermal comfort results below; U-Value: 4.68 SHGC: 0.39 Grey tint only to all other units; U-Value: 6.83 SHGC: 0.54
Roof / ceiling insulation	Roof: Light colored, concrete slab roof Ceiling: Plasterboard R2.0 insulation to units with roof over.
Wall / floor insulation	External Wall: Pre-cast concrete R1.0 to units to selected units detailed in the thermal comfort results below No insulation to all other units Internal walls within units: Plasterboard on studs - no insulation Inter-tenancy walls: Hebel - no insulation Floors: Concrete R1.0 to open sub-floor of units detailed in the thermal comfort results below No insulation to all other units
BASIX Water inclusions – Score 40/40	
Fixtures (within units)	Showerheads: 3 star (>7.5 but <=9 L/min) Toilets: 4 star Kitchen taps: 4 star Bathroom taps: 4 star
Fixtures (within common areas)	Showerheads: 3 star (>7.5 but <=9 L/min) Toilets: 4 star Bathroom taps: 4 star
Appliances (within units)	Dishwashers: 3 star Clothes washers: At least 60% of all occupants are expected to provide clothes washing machines with a water efficiency of 2 stars or greater.
Central rainwater storage	Tank size: 20 000L Collect run-off from: 350m ² of roof areas and 216m ² of impervious area. Connected to: Irrigation of landscaping
Pool / Spa / Sauna	Indoor pool: Volume – 165kL

BASIX Energy inclusions – Score Pass 20/20	
Central hot water system	Central gas-fired boiler with R1.0 (~38mm) insulation to the ring main and supply risers
Lift motors	All lifts to have gearless traction with VVVF motor.
Appliances & other efficiency measures (within units)	Gas cooktop & electric oven Dishwashers: 3 star Clothes dryers: 2 star Fridges: 2 star Well vented fridge spaces
Heating & cooling (within units)	All units to have individual single phase reverse cycle air conditioning: All 1 bedroom units: 2.0 star – Cooling and 2.5 star - Heating (zoned) [new rating] All 2 bedroom units: 2.0 star – Cooling and 2.5 star - Heating (zoned) [new rating] All 3 bedroom units: 2.0 star – Cooling and 3.0 star - Heating (zoned) [new rating]
Artificial lighting (within units)	Fluorescent lighting to be provided to all bedrooms, bathrooms and laundries. Dedicated fittings to be provided to bedrooms only
Ventilation systems (within units)	Bathroom ventilation: Individual fan, ducted to roof or façade – manual on/manual off Laundry ventilation: Individual fan, ducted to roof or façade – manual on/manual off Kitchen ventilation: Individual fan, not ducted roof– manual switch on/off
Artificial lighting (within common areas)	Car park area: fluorescent – zoned switching with motion sensor Lifts: light emitting diode – connected to lift call button Garbage rooms: fluorescent – manual on / manual off Plant areas: fluorescent – manual on / manual off Rooftop plant areas: fluorescent – manual on / manual off Services: fluorescent – manual on / manual off Pool toilets: compact fluorescent – manual on / manual off Mail: compact fluorescent – manual on / manual off Lobbies: compact fluorescent – zoned switching with motion sensor Hallways: compact fluorescent – zoned switching with motion sensor Indoor pool & sauna: compact fluorescent – manual on / off Gym: compact fluorescent – manual on / off
Ventilation systems (within common areas)	Car park area: ventilation (supply + exhaust) - carbon monoxide monitor + VSD fan Garbage rooms: ventilation exhaust only – No efficiency measure required Plant areas: ventilation supply only – interlocked to light Rooftop plant areas: no mechanical ventilation Services: ventilation supply only – interlocked to light Pool toilets: ventilation exhaust only – interlocked to light Mail: ventilation supply only – timed clock or BMS controlled Lobbies: ventilation supply only – none i.e. continuous Podium lobbies and Hallways: ventilation supply only – timed clock or BMS controlled Indoor pool & sauna: ventilation exhaust only – time clock or BMS controlled Gym: air conditioned – time clock or BMS controlled
Pool / Spa / Sauna heating systems	Pool – electric heat pump heating - pump controlled by a timer Sauna – Gas – manual on/timer off
Alternative Energy	Photovoltaic system - 275 peak kW

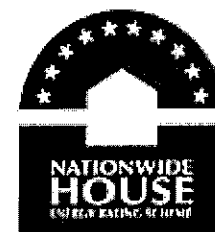


Thermal Comfort Results

Riverfront Apartments

330 Church Street Parratmatta, NSW

Issued in accordance with BASIX Thermal Comfort Simulation Method



Certificate # 14730311			Issued: 30/06/13			Accreditation #		VIC/BDAV/12/1473	
Thermal performance specifications									Page 1 of 12
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
P1-01	2	91	0	62	26	4.0	1	No	R1.0 to external walls + Low-e throughout + R1.0 subfloor
P1-02	1	46	4	66	24	3.5	1	Yes	R1.0 to external walls & Low-E throughout
P1-03	1	46	4	66	42	3.0	1	Yes	R1.0 to external walls & Low-E throughout
P1-04	2	70	5	65	16	4.0	1	Yes	R1.0 to external walls & Low-E throughout
P1-05	1	47	4	53	31	4.0	1	Yes	R1.0 to external walls & Low-E throughout & R1.0 to subfloor
P1-06	2	88	0	55	30	4.0	0	No	R1.0 to external walls + R1.0 to subfloor
P1-07	2	78	5	65	39	3.0	1	Yes	R1.0 to external walls + Low-e throughout + R1.0 subfloor
P1-08	2	78	5	66	38	3.0	1	Yes	R1.0 to external walls + Low-e throughout + R1.0 subfloor
P2-01	2	91	0	56	27	4.0	1	No	R1.0 to external walls
P2-02	1	46	4	51	27	4.0	1	Yes	R1.0 to external walls & Low-E throughout
P2-03	1	46	4	61	46	3.0	1	Yes	Low-E to liv/kit and living
P2-04	2	70	5	62	23	4.0	1	Yes	R1.0 to external walls
P2-05	1	47	4	55	26	4.0	1	Yes	R1.0 to external walls & Low-E throughout
P2-06	2	88	0	57	31	3.5	0	No	
P2-07	2	78	5	64	31	3.5	1	Yes	R1.0 to external walls & Low-E throughout
P3-08	2	78	5	66	32	3.5	1	Yes	R1.0 to external walls & Low-E throughout
P3-01	2	91	0	56	25	4.0	1	No	R1.0 to external walls
P3-02	1	46	4	56	27	4.0	1	Yes	R1.0 to external walls & Low-E throughout
P3-03	1	46	4	64	49	3.0	1	Yes	R1.0 to external walls & Low-E to living room
P3-04	2	70	5	66	22	3.5	1	Yes	R1.0 to external walls
P3-05	1	47	4	59	24	4.0	1	Yes	R1.0 to external walls & Low-E throughout



Thermal Comfort Results

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Certificate # 14730311			Issued: 30/06/13			Accreditation #		VIC/BDAV/12/1473	
Thermal performance specifications									Page 2 of 14
Unit number	Number of Bedrooms	Floor area (M²)		Predict. loads (MJ/M²/y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
P3-06	2	88	0	62	31	3.5	0	No	R1.0 to external walls & Low-E throughout
P3-07	2	78	5	66	44	3.0	1	Yes	R1.0 to external walls & Low-E throughout
P3-08	2	78	5	66	42	2.5	1	Yes	R1.0 to external walls & Low-E throughout
4-01	2	87	0	59	51	3.0	1	No	R1.0 to external walls
4-04	2	86	0	66	52	3.0	0	Yes	R1.0 to external walls
4-05	2	83	0	64	10	4.5	0	No	R1.0 to external walls & Low-E throughout
4-07	2	80	5	55	31	4.0	1	No	
4-08	2	90	0	55	51	3.0	1	No	R1.0 to external walls
4-09	2	90	0	66	29	3.5	1	No	R1.0 to external walls & Low-E to all windows on western façade and door.
4-12	1	52	0	46	33	4.0	0	No	
4-13	1	53	0	60	41	3.5	0	No	R1.0 to external walls
5-01	2	87	0	59	51	3.0	1	No	R1.0 to external walls
5-04	2	86	0	52	54	3.0	0	Yes	R1.0 to external walls
5-05	2	83	0	41	14	5.5	0	No	R1.0 to external walls
5-07	2	84	0	34	37	4.5	0	No	
5-08	2	80	5	46	56	3.5	1	No	R1.0 to external walls
5-09	2	90	0	55	43	3.5	1	No	R1.0 to external walls
5-12	1	52	0	30	36	5.0	0	No	
5-13	1	53	0	41	47	4.0	0	No	
6-01	2	87	0	59	50	3.0	1	No	R1.0 to external walls
6-04	2	86	0	53	55	3.0	0	Yes	R1.0 to external walls
6-05	2	83	0	42	14	5.5	0	No	R1.0 to external walls
6-07	2	84	0	34	37	4.5	0	No	
6-08	2	80	5	46	55	3.5	1	No	R1.0 to external walls
6-09	2	90	0	47	32	4.0	1	No	R1.0 to external walls
6-12	1	52	0	36	28	5.0	0	No	
6-13	1	53	0	49	34	4.0	0	No	
7-01	2	87	0	62	58	3.0	1	No	R1.0 to external walls
7-04	2	86	0	53	53	3.0	0	Yes	R1.0 to external walls



Thermal Comfort Results

Riverfront Apartments

330 Church Street Parratmatta, NSW

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Certificate # 114730311				Issued: 30/06/13		Accreditation #		VIC/BDAV/12/1473	
Thermal performance specifications									Page 3 of 14
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
7-05	2	83	0	42	13	5.5	0	No	R1.0 to external walls
7-07	2	84	0	35	36	4.5	0	No	
7-08	2	80	5	46	54	3.5	1	No	R1.0 to external walls
7-09	2	90	0	47	32	4.0	1	No	R1.0 to external walls
7-12	1	52	0	30	58	3.5	0	No	
7-13	1	53	0	46	52	3.5	0	No	Low-E to Living/Kitchen façade
8-01	2	87	0	63	56	3.0	1	No	R1.0 to external walls
8-04	2	86	0	52	54	3.0	0	Yes	R1.0 to external walls
8-05	2	83	0	42	13	5.5	0	No	R1.0 to external walls
8-07	2	84	0	35	36	4.5	0	No	R1.0 to external walls & Low-E throughout
8-08	2	80	5	47	54	3.5	1	No	R1.0 to external walls
8-09	2	90	0	56	41	3.5	1	No	R1.0 to external walls
8-12	1	52	0	31	58	3.5	0	No	
8-13	1	53	0	47	52	3.5	0	No	Low-E to Living/Kitchen façade
9-01	2	87	0	61	47	3.0	1	No	
9-04	2	86	0	54	52	3.0	0	Yes	R1.0 to external walls
9-05	2	83	0	43	13	5.5	0	No	R1.0 to external walls
9-07	2	84	0	34	40	4.5	0	No	
9-08	2	80	5	47	53	3.5	1	No	R1.0 to external walls
9-09	2	90	0	61	42	3.5	1	No	R1.0 to external walls
9-12	1	52	0	37	27	5.0	0	No	
9-13	1	53	0	50	32	4.0	0	No	
10-01	2	87	0	64	56	3.0	1	No	R1.0 to external walls
10-04	2	86	0	66	51	3.0	0	Yes	
10-05	2	83	0	43	13	5.5	0	No	R1.0 to external walls
10-07	2	84	0	35	35	4.5	0	No	
10-08	2	80	5	48	52	3.5	1	No	R1.0 to external walls
10-09	2	90	0	48	31	4.0	1	No	R1.0 to external walls
10-12	1	52	0	31	55	4.0	0	No	
10-13	1	53	0	47	50	3.5	0	No	Low-E to Living/Kitchen façade
11-01	2	87	0	60	48	3.0	1	No	R1.0 to external walls
11-04	2	86	0	54	49	3.5	0	Yes	R1.0 to external walls



Thermal Comfort Results

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Thermal performance specifications									Page 4 of 14
Unit number	Number of Bedrooms	Floor area (M²)		Predict. loads (MJ/M²/y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
11-05	2	83	0	43	13	5.5	0	No	R1.0 to external walls
11-07	2	84	0	36	35	4.5	0	No	
11-08	2	80	5	48	52	3.5	1	No	R1.0 to external walls
11-09	2	90	0	57	39	3.5	1	No	R1.0 to external walls
11-12	1	52	0	31	34	5.0	0	No	
11-13	1	53	0	43	43	4.0	0	No	
12-01	2	87	0	65	51	3.0	1	No	R1.0 to external walls
12-04	2	86	0	54	49	3.5	0	Yes	R1.0 to external walls
12-05	2	83	0	43	13	5.5	0	No	R1.0 to external walls
12-07	2	84	0	36	34	4.5	0	No	
12-08	2	80	5	48	51	3.5	1	No	R1.0 to external walls
12-09	2	90	0	49	30	4.0	1	No	R1.0 to external walls
12-12	1	52	0	38	39	4.0	0	No	
12-13	1	53	0	55	48	3.5	0	No	
13-01	2	87	0	64	54	3.0	1	No	R1.0 to external walls
13-04	2	86	0	55	49	3.5	0	Yes	R1.0 to external walls
13-05	2	83	0	43	13	5.5	0	No	R1.0 to external walls
13-07	2	84	0	36	34	4.5	0	No	
13-08	2	80	5	48	51	3.5	1	No	R1.0 to external walls
13-09	2	90	0	61	42	3.5	1	No	R1.0 to external walls
13-12	1	52	0	32	54	4.0	0	No	
13-13	1	53	0	48	49	3.5	0	No	Low-E to Living/Kitchen façade
14-01	2	87	0	62	46	3.0	1	No	R1.0 to external walls
14-04	2	86	0	55	49	3.5	0	Yes	R1.0 to external walls
14-05	2	83	0	44	13	5.5	0	No	R1.0 to external walls
14-07	2	84	0	36	34	4.5	0	No	
14-08	2	80	5	49	50	3.5	1	No	R1.0 to external walls
14-09	2	90	0	61	41	3.5	1	No	R1.0 to external walls
14-12	1	52	0	32	34	5.0	0	No	
14-13	1	53	0	44	42	4.0	0	No	
15-01	2	87	0	65	54	3.0	1	No	R1.0 to external walls
15-04	2	86	0	55	48	3.5	0	Yes	R1.0 to external walls



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Thermal performance specifications									Page 5 of 14
Unit number	Number of Bedrooms	Floor area (M²)		Predict. loads (MJ/M²/y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
15-05	2	83	0	44	13	5.5	0	No	R1.0 to external walls
15-07	2	84	0	36	34	4.5	0	No	
15-08	2	80	5	49	50	3.5	1	No	R1.0 to external walls
15-09	2	90	0	58	36	3.5	1	No	R1.0 to external walls
15-12	1	52	0	32	54	4.0	0	No	
15-13	1	53	0	49	48	3.5	0	No	Low-E to Living/Kitchen façade
16-01	2	87	0	63	45	3.0	1	No	R1.0 to external walls
16-04	2	86	0	60	48	3.0	0	Yes	R1.0 to external walls
16-05	2	83	0	44	13	5.5	0	No	R1.0 to external walls
16-07	2	84	0	35	37	4.5	0	No	
16-08	2	80	5	49	50	3.5	1	No	R1.0 to external walls
16-09	2	90	0	63	37	3.5	1	No	R1.0 to external walls
16-12	1	52	0	33	32	5.0	0	No	
16-13	1	53	0	45	40	4.0	0	No	
17-01	2	87	0	66	51	3.0	1	No	R1.0 to external walls
17-04	2	86	0	56	48	3.0	0	Yes	R1.0 to external walls
17-05	2	83	0	44	13	5.5	0	No	R1.0 to external walls
17-07	2	84	0	37	33	4.5	0	No	
17-08	2	80	5	49	49	3.5	1	No	R1.0 to external walls
17-09	2	90	0	50	29	4.0	1	No	R1.0 to external walls
17-12	1	52	0	39	38	4.0	0	No	
17-13	1	53	0	52	51	3.5	0	No	
18-01	2	87	0	65	53	3.0	1	No	R1.0 to external walls
18-04	2	86	0	56	47	3.5	0	Yes	R1.0 to external walls
18-05	2	83	0	45	13	5.5	0	No	R1.0 to external walls
18-07	2	84	0	37	33	4.5	0	No	
18-08	2	80	5	49	49	3.5	1	No	R1.0 to external walls
18-09	2	90	0	62	38	3.5	1	No	R1.0 to external walls
18-12	1	52	0	32	54	4.0	0	No	
18-13	1	53	0	52	50	3.5	0	No	
19-01	2	87	0	66	52	3.0	1	No	R1.0 to external walls
19-04	2	86	0	56	48	3.0	0	Yes	R1.0 to external walls



Thermal Comfort Results

Riverfront Apartments

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Certificate # 14730311		Issued: 30/06/13				Accreditation #		VIC/BDAV/12/1473	
Thermal performance specifications									Page 6 of 14
Unit number	Number of Bedrooms	Floor area (M²)		Predict. loads (MJ/M²/y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
19-05	2	83	0	45	13	5.5	0	No	R1.0 to external walls
19-07	2	84	0	37	33	4.5	0	No	
19-08	2	80	5	49	49	3.5	1	No	R1.0 to external walls
19-09	2	90	0	62	37	3.5	1	No	R1.0 to external walls
19-12	1	52	0	32	53	4.0	0	No	
19-13	1	53	0	45	40	4.0	0	No	
20-01	2	87	0	66	53	3.0	1	No	R1.0 to external walls
20-04	2	86	0	56	46	3.5	0	Yes	R1.0 to external walls
20-05	2	83	0	45	13	5.5	0	No	R1.0 to external walls
20-07	2	84	0	37	33	4.5	0	No	
20-08	2	80	5	50	48	3.5	1	No	R1.0 to external walls
20-09	2	90	0	60	33	3.5	1	No	R1.0 to external walls
20-12	1	52	0	33	52	4.0	0	No	
20-13	1	53	0	53	50	3.5	0	No	
21-01	2	87	0	58	41	3.5	1	No	R1.0 to external walls & Low-E to eastern facade
21-04	2	86	0	56	46	3.5	0	Yes	R1.0 to external walls
21-05	2	83	0	45	13	5.5	0	No	R1.0 to external walls
21-07	2	84	0	38	33	4.5	0	No	
21-08	2	80	5	50	47	3.5	1	No	R1.0 to external walls
21-09	2	90	0	51	28	4.0	1	No	R1.0 to external walls
21-12	1	52	0	34	52	4.0	0	No	
21-13	1	53	0	53	50	3.5	0	No	
22-01	2	87	0	58	42	3.5	1	No	R1.0 to external walls & Low-E to eastern facade
22-04	2	86	0	57	46	3.5	0	Yes	R1.0 to external walls
22-05	2	83	0	45	13	5.5	0	No	R1.0 to external walls
22-07	2	84	0	35	36	4.5	0	No	
22-08	2	80	5	50	47	3.5	1	No	R1.0 to external walls
22-09	2	90	0	65	33	3.5	1	No	R1.0 to external walls
22-12	1	52	0	34	51	4.0	0	No	
22-13	1	53	0	46	39	4.0	0	No	



Thermal Comfort Results

Riverfront Apartments

330 Church Street Parratmatta, NSW

Issued in accordance with BASIX Thermal Comfort Simulation Method



Certificate # 14730311			Issued: 30/06/13			Accreditation #		VIC/BDAV/12/1473		
Thermal performance specifications										Page 7 of 14
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades	
		Con.	Uncon.	Heat	Cool (Sens & Lat)					
23-01	2	87	0	59	41	3.5	1	No	R1.0 to external walls & Low-E to eastern facade	
23-04	2	86	0	57	46	3.5	0	Yes	R1.0 to external walls	
23-05	2	83	0	45	13	5.5	0	No	R1.0 to external walls	
23-07	2	84	0	38	32	4.5	0	No		
23-08	2	80	5	50	46	3.5	1	No	R1.0 to external walls	
23-09	2	90	0	65	34	3.5	1	No	R1.0 to external walls	
23-12	1	52	0	34	51	4.0	0	No		
23-13	1	53	0	54	49	3.5	0	No		
24-01	2	87	0	59	40	3.5	1	No	R1.0 to external walls & Low-E to eastern facade	
24-04	2	86	0	57	45	3.5	0	Yes	R1.0 to external walls	
24-05	2	83	0	46	13	5.0	0	No	R1.0 to external walls	
24-07	2	84	0	38	32	4.5	0	No		
24-08	2	80	5	50	46	3.5	1	No	R1.0 to external walls	
24-09	2	90	0	61	32	3.5	1	No	R1.0 to external walls	
24-12	1	52	0	34	51	4.0	0	No		
24-13	1	53	0	54	49	3.5	0	No		
25-01	2	87	0	58	40	3.5	1	No	R1.0 to external walls & Low-E to eastern facade	
25-04	2	86	0	58	45	3.5	0	Yes	R1.0 to external walls	
25-05	2	83	0	46	13	5.0	0	No	R1.0 to external walls	
25-07	2	84	0	38	32	4.5	0	No		
25-08	2	80	5	51	46	3.5	1	No	R1.0 to external walls	
25-09	2	90	0	64	35	3.5	1	No	R1.0 to external walls	
25-12	1	52	0	34	51	4.0	0	No		
25-13	1	53	0	54	49	3.5	0	No		
26-01	2	87	0	58	40	3.5	1	No	R1.0 to external walls & Low-E to eastern facade	
26-04	2	86	0	57	44	3.5	0	Yes	R1.0 to external walls	
26-05	2	83	0	46	13	5.0	0	No	R1.0 to external walls	
26-07	2	84	0	38	31	4.5	0	No		
26-08	2	80	5	51	45	3.5	1	No	R1.0 to external walls	
26-09	2	90	0	52	27	4.0	1	No	R1.0 to external walls	



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Certificate # 14730311		I Issued: 30/06/13				Accreditation #		VIC/BDAV/12/1473			
Thermal performance specifications										Page 8 of 14	
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades		
		Con.	Uncon.	Heat	Cool (Sens & Lat)						
26-12	1	52	0	34	50	4.0	0	No			
26-13	1	53	0	46	38	4.0	0	No			
27-01	2	87	0	59	39	3.5	1	No	R1.0 to external walls & Low-E to eastern facade		
27-04	2	86	0	58	45	3.5	0	Yes	R1.0 to external walls		
27-05	2	83	0	46	13	5.0	0	No	R1.0 to external walls		
27-07	2	84	0	35	37	4.5	0	No			
27-08	2	80	5	51	45	3.5	1	No	R1.0 to external walls		
27-09	2	90	0	63	32	3.5	1	No	R1.0 to external walls, R2.0 to ceiling & Low-E to western façade only.		
27-12	1	52	0	35	50	4.0	0	No			
27-13	1	53	0	54	49	3.5	0	No			
28-01	2	87	0	59	39	3.5	1	No	R1.0 to external walls & Low-E to eastern facade		
28-04	2	86	0	58	45	3.5	0	Yes	R1.0 to external walls		
28-08	2	80	5	51	45	3.5	1	No	R1.0 to external walls		
28-10	2	82	0	56	20	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows		
28-11	2	90	0	45	45	3.5	0	Yes			
28-12	1	52	0	35	50	4.0	0	No			
28-13	1	53	0	55	49	3.5	0	No			
29-01	2	87	0	59	39	3.5	1	No	R1.0 to external walls & Low-E to eastern facade		
29-04	2	86	0	58	43	3.5	0	Yes	R1.0 to external walls		
29-08	2	80	5	51	44	3.5	1	No	R1.0 to external walls		
29-10	2	82	0	57	20	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows		
29-11	2	90	0	45	45	3.5	0	Yes			
29-12	1	52	0	35	50	4.0	0	No			
29-13	1	53	0	47	38	4.0	0	No			
30-01	2	87	0	59	39	3.5	1	No	R1.0 to external walls & Low-E to eastern facade		
30-04	2	86	0	58	43	3.5	0	Yes	R1.0 to external walls		



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Certificate # 14730311			Issued: 30/06/13			Accreditation #		VIC/BDAV/12/1473	
Thermal performance specifications									Page 9 of 14
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
30-08	2	80	5	51	45	3.5	1	No	R1.0 to external walls
30-10	2	82	0	57	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
30-11	2	90	0	45	44	3.5	0	Yes	
30-12	1	52	0	35	50	4.0	0	No	
30-13	1	53	0	55	48	3.5	0	No	
31-01	2	87	0	59	39	3.5	1	No	R1.0 to external walls & Low-E to eastern facade
31-04	2	86	0	58	43	3.5	0	Yes	R1.0 to external walls
31-08	2	80	5	52	44	3.5	1	No	R1.0 to external walls
31-10	2	82	0	57	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
31-11	2	90	0	45	44	3.5	0	Yes	
31-12	1	52	0	35	50	4.0	0	No	
31-13	1	53	0	55	48	3.5	0	No	
32-01	2	87	0	59	39	3.5	1	No	R1.0 to external walls & Low-E to eastern facade
32-04	2	86	0	58	43	3.5	0	Yes	R1.0 to external walls
32-08	2	80	5	52	44	3.5	1	No	R1.0 to external walls
32-10	2	82	0	57	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
32-11	2	90	0	45	44	3.5	0	Yes	
32-12	1	52	0	35	50	4.0	0	No	
32-13	1	53	0	55	48	3.5	0	No	
33-01	2	87	0	60	38	3.5	1	No	R1.0 to external walls & Low-E to eastern facade
33-04	2	86	0	58	43	3.5	0	Yes	R1.0 to external walls
33-08	2	80	5	52	44	3.5	1	No	R1.0 to external walls
33-10	2	82	0	57	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
33-11	2	90	0	45	44	3.5	0	Yes	
33-12	1	52	0	35	50	4.0	0	No	
33-13	1	53	0	59	37	3.5	0	No	



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Thermal performance specifications								Page 10 of 14	
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
34-04	2	86	0	58	43	3.5	0	Yes	R1.0 to external walls
34-08	2	80	5	52	44	3.5	1	No	R1.0 to external walls
34-10	2	82	0	57	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
34-11	2	90	0	46	44	3.5	0	Yes	
34-14	3	103	0	59	46	3.0	1	No	R1.0 to external walls
34-15	2	90	0	44	50	3.5	0	Yes	R1.0 to external walls
35-04	2	86	0	59	43	3.5	0	Yes	R1.0 to external walls
35-08	2	80	5	52	44	3.5	1	No	R1.0 to external walls
35-10	2	82	0	57	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
35-11	2	90	0	46	44	3.5	0	Yes	
35-14	3	103	0	51	45	3.5	1	No	R1.0 to external walls
35-15	2	90	0	36	49	4.0	0	Yes	R1.0 to external walls
36-04	2	86	0	59	42	3.5	0	Yes	R1.0 to external walls
36-08	2	80	5	52	43	3.5	1	No	R1.0 to external walls
36-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
36-11	2	90	0	46	43	3.5	0	Yes	
36-14	3	103	0	51	45	3.5	1	No	R1.0 to external walls
36-15	2	90	0	33	37	4.5	0	Yes	R1.0 to external walls
37-04	2	86	0	59	42	3.5	0	Yes	R1.0 to external walls
37-08	2	80	5	52	43	3.5	1	No	R1.0 to external walls
37-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
37-11	2	90	0	46	43	3.5	0	Yes	
37-14	3	103	0	51	45	3.5	1	No	R1.0 to external walls
37-15	2	90	0	35	57	3.5	0	Yes	R1.0 to external walls
38-04	2	86	0	59	42	3.5	0	Yes	R1.0 to external walls
38-08	2	80	5	52	43	3.5	1	No	R1.0 to external walls
38-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
38-11	2	90	0	46	43	3.5	0	Yes	



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Thermal performance specifications									Page 11 of 14
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
38-14	3	103	0	52	43	3.5	1	No	R1.0 to external walls
38-15	2	90	0	37	46	4.0	0	Yes	R1.0 to external walls
39-04	2	86	0	59	42	3.5	0	Yes	R1.0 to external walls
39-08	2	80	5	53	42	3.5	1	No	R1.0 to external walls
39-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
39-11	2	90	0	46	43	3.5	0	Yes	
39-14	3	103	0	51	44	3.5	1	No	R1.0 to external walls
39-15	2	90	0	36	49	4.0	0	Yes	R1.0 to external walls
40-04	2	86	0	59	42	3.5	0	Yes	R1.0 to external walls
40-08	2	80	5	53	43	3.5	1	No	R1.0 to external walls
40-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
40-11	2	90	0	46	42	3.5	0	Yes	
40-14	3	103	0	52	44	3.5	1	No	R1.0 to external walls
40-15	2	90	0	30	47	4.0	0	Yes	R1.0 to external walls
41-04	2	86	0	60	42	3.5	0	Yes	R1.0 to external walls
41-08	2	80	5	53	43	3.5	1	No	
41-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
41-11	2	90	0	46	42	3.5	0	Yes	
41-14	3	103	0	52	44	3.5	1	No	R1.0 to external walls
41-15	2	90	0	35	56	3.5	0	Yes	R1.0 to external walls
42-04	2	86	0	59	42	3.5	0	Yes	R1.0 to external walls
42-08	2	80	5	53	42	3.5	1	No	R1.0 to external walls
42-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
42-11	2	90	0	47	42	3.5	0	Yes	
42-14	3	103	0	52	43	3.5	1	No	R1.0 to external walls
42-15	2	90	0	36	49	4.0	0	Yes	R1.0 to external walls
43-04	2	86	0	60	42	3.5	0	Yes	R1.0 to external walls
43-08	2	80	5	53	42	3.5	1	No	R1.0 to external walls
43-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows



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Thermal performance specifications								Page 12 of 14	
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
43-11	2	90	0	47	41	4.0	0	Yes	
43-14	3	103	0	52	43	3.5	1	No	R1.0 to external walls
43-15	2	90	0	30	45	4.0	0	Yes	R1.0 to external walls
44-04	2	86	0	60	42	3.5	0	Yes	R1.0 to external walls
44-08	2	80	5	53	41	3.5	1	No	R1.0 to external walls
44-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
44-11	2	90	0	47	41	4.0	0	Yes	
44-14	3	103	0	52	43	3.5	1	No	R1.0 to external walls
44-15	2	90	0	35	55	3.5	0	Yes	R1.0 to external walls
45-04	2	86	0	60	42	3.5	0	Yes	R1.0 to external walls
45-08	2	80	5	53	41	3.5	1	No	R1.0 to external walls
45-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
45-11	2	90	0	47	41	4.0	0	Yes	
45-14	3	103	0	53	42	3.5	1	No	R1.0 to external walls
45-15	2	90	0	35	56	3.5	0	Yes	R1.0 to external walls
46-04	2	86	0	60	41	3.5	0	Yes	R1.0 to external walls
46-08	2	80	5	53	41	3.5	1	No	R1.0 to external walls
46-10	2	82	0	58	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
46-11	2	90	0	47	41	4.0	0	Yes	
46-14	3	103	0	52	43	3.5	1	No	R1.0 to external walls
46-15	2	90	0	36	56	3.5	0	Yes	R1.0 to external walls
47-04	2	86	0	60	41	3.5	0	Yes	R1.0 to external walls
47-08	2	80	5	53	41	3.5	1	No	R1.0 to external walls
47-10	2	82	0	59	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
47-11	2	90	0	47	40	4.0	0	Yes	
47-14	3	103	0	52	43	3.5	1	No	R1.0 to external walls
47-15	2	90	0	36	56	3.5	0	Yes	R1.0 to external walls
48-04	2	86	0	60	41	3.5	0	Yes	R1.0 to external walls
48-08	2	80	5	53	41	3.5	1	No	R1.0 to external walls
48-10	2	82	0	59	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows

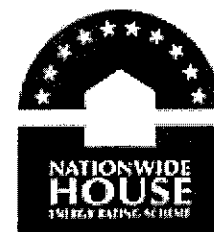


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Thermal performance specifications									Page 13 of 14
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
48-11	2	90	0	47	40	4.0	0	Yes	
48-14	3	103	0	52	43	3.5	1	No	R1.0 to external walls
48-15	2	90	0	36	56	3.5	0	Yes	R1.0 to external walls
49-04	2	86	0	60	41	3.5	0	Yes	R1.0 to external walls
49-08	2	80	5	54	41	3.5	1	No	R1.0 to external walls
49-10	2	82	0	59	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
49-11	2	90	0	47	40	4.0	0	Yes	
49-14	3	103	0	53	42	3.5	1	No	R1.0 to external walls
49-15	2	90	0	36	56	3.5	0	Yes	R1.0 to external walls
50-04	2	86	0	60	41	3.5	0	Yes	R1.0 to external walls
50-08	2	80	5	54	40	3.5	1	No	R1.0 to external walls
50-10	2	82	0	59	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
50-11	2	90	0	47	39	4.0	0	Yes	
50-14	3	103	0	53	42	3.5	1	No	R1.0 to external walls
50-15	2	90	0	36	55	3.5	0	Yes	R1.0 to external walls
51-04	2	86	0	60	41	3.5	0	Yes	R1.0 to external walls
51-08	2	80	5	54	40	3.5	1	No	R1.0 to external walls
51-10	2	82	0	59	19	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
51-11	2	90	0	47	39	4.0	0	Yes	
51-14	3	103	0	53	42	3.5	1	No	R1.0 to external walls
51-15	2	90	0	36	55	3.5	0	Yes	R1.0 to external walls
52-04	2	86	0	59	44	3.5	0	Yes	R1.0 to external walls
52-08	2	80	5	54	39	3.5	1	No	R1.0 to external walls
52-10	2	82	0	59	18	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
52-11	2	90	0	48	39	4.0	0	Yes	
52-14	3	103	0	53	41	3.5	1	No	R1.0 to external walls
52-15	2	90	0	36	55	3.5	0	Yes	R1.0 to external walls
53-04	2	86	0	66	42	3.0	0	Yes	R1.0 to external walls & R2.0 to ceiling
53-08	2	80	5	63	39	3.5	1	No	R1.0 to external walls & R2.0 to ceiling



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Thermal performance specifications									Page 14 of 14
Unit number	Number of Bedrooms	Floor area (M ²)		Predict. loads (MJ/M ² /y)		Star Rating	Window in Bathroom	Window in Kitchen	Thermal Comfort Upgrades
		Con.	Uncon.	Heat	Cool (Sens & Lat)				
53-10	2	82	0	66	17	4.0	1	Yes	R1.0 + Low-E throughout + 3 stud walls replacing windows
53-11	2	90	0	58	44	3.5	0	Yes	
53-14	3	103	0	59	41	3.5	1	No	R1.0 to external walls & R2.0 to ceiling
53-15	2	90	0	46	54	3.5	0	Yes	R1.0 to external walls & R2.0 to ceiling



NatHERS Certificate

New Dwelling

Project **A-100 W-01 Level 5**
Location **PARRAMATTA**
Climate **climat56.TXT**

Run **1**
PC **2150**
30/06/2013



BERS Pro 4.2

Release/Version 110811

CHENATH V2.13

Area Adjusted
3.0 Stars



Conditioned Area	87.23 m ²
Unconditioned Area	0.00 m ²
Adjusted Cooling	50.5 MJ/m ²
Adjusted Heating	59.2 MJ/m ²
Adjusted Total	109.7 MJ/m ²

BERS Pro

house energy rating software

☐ single-dwelling rating **3.5** stars **90** MJ/m²

☒ multi-unit development (attach listing of ratings)

Accreditation Number **VIC/BDAV/12/1473**

Signature *[Signature]* Date **30/06/13**

Dwelling Details

D P Number **788637**

Unit Number
or Name

Lot Number **2 & 3** OR House Number

Street Name **Church Street**

OR
Development Name **Rivefront Apartments**

Suburb or Town **Parramatta**

State **NSW** Post Code **2150**

Client Details

Name **Meriton Group**

Phone **02 9287 2590**

Fax **02 9287 2790**

Email

Postal Address

Street Address **Level 11, Meriton Tower, 528 Kent Street, Sydney NSW 2000**

Assessor Details

Name **Tracey Cools**

Assessor Number **BDAV/12/1473**

Phone **02 9970 6181**

Fax **02 9944 0293**

Email **admin@efficientliving.com.au**

Postal Address

Street Address **13/13 Lagoon Street, Narrabeen NSW 2101**

Signed by the assessor

[Signature]

Date **30 / 06 / 13**

*Tilted roof windows with blinds cannot be modelled using this version of BERS Pro
All windows are modelled with Holland Blinds for Regulatory Purposes*

Building Element Details

Project A-100 W-01 Level 5 Run 1
PARRAMATTA PC 2150 Lat -33.80 Long 151.00 Climate File climat56.TXT

Summary

Conditioned Area	87.2 m ²
Unconditioned Area	0.0 m ²
Total Floor Area	87.2 m ²
Total Glazed Area	48.7 m ²
Total External Solid door Area	1.5 m ²
Glass to Floor Area	55.8 %
Gross External Wall Area	115.1 m ²
Net External Wall Area	64.9 m ²

Window

48.7 m² BGC-05-013a Affinity Windows Uval 6.83 SHGC 0.54
Glass 5mm Grey
Frame Aluminium 4-Lite Sliding Window - Single Glazed

External Wall

30.3 m² Tilt up concrete, lined Bulk Insulation R 1.0
34.6 m² PowerPanel to neighbour No Insulation

Internal Wall

60.3 m² Cavity Panel 70mm gap No Insulation

External Floor

25.4 m² Concrete Slab, Unit Below Carpet 10mm No Insulation
13.5 m² Concrete Slab, Unit Below Ceramic Tiles 8mm No Insulation
48.3 m² Concrete Slab, Unit Below 80/20 Carpet 10mm/Ceramic No Insulation

External Ceiling

87.2 m² Plasterboard No Insulation Apartment above

Roof (Horizontal area)

87.2 m² Concrete No Insulation, Only an Air Gap 0° slope Skillion roof

BERS Pro	
house energy rating software	
☐ single-dwelling rating	3.5 stars 90 MJ/m ²
☒ multi-unit development (attach listing of ratings)	
Accreditation Number VIC/BDAV/12/1473	
Signature 	Date 30/06/13

BASIX®Certificate

Building Sustainability Index www.basix.nsw.gov.au

Multi Dwelling

Certificate number: 374161M_02

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 29/06/2009 published by the Department of Planning. This document is available at www.basix.nsw.gov.au

This certificate is a revision of certificate number 374161M lodged with the consent authority or certifier on 30 June 2011 with application MP10_0171.

It is the responsibility of the applicant to verify with the consent authority that the original, or any revised certificate, complies with the requirements of Schedule 1 Clause 2A, 4A or 6A of the Environmental Planning and Assessment Regulation 2000

Director-General

Date of issue: Sunday, 30 June 2013

To be valid, this certificate must be lodged within 3 months of the date of issue.



Project summary	
Project name	Riverfront Apartments - West Tower_02
Street address	330 Church Street Parramatta 2150
Local Government Area	Parramatta City Council
Plan type and plan number	deposited 788637
Lot no.	2 & 3
Section no.	-
No. of residential flat buildings	1
No. of units in residential flat buildings	378
No. of multi-dwelling houses	0
No. of single dwelling houses	0
Project score	
Water	✓ 40 Target 40
Thermal Comfort	✓ Pass Target Pass
Energy	✓ 20 Target 20

Certificate Prepared by	
Name / Company Name:	Efficient Living Pty Ltd
ABN (if applicable):	82 116 346 082

Description of project

Project address	
Project name	Riverfront Apartments - West Tower_02
Street address	330 Church Street Parramatta 2150
Local Government Area	Parramatta City Council
Plan type and plan number	deposited 788637
Lot no.	2 & 3
Section no.	-
Project type	
No. of residential flat buildings	1
No. of units in residential flat buildings	378
No. of multi-dwelling houses	0
No. of single dwelling houses	0
Site details	
Site area (m²)	6763
Roof area (m²)	1193
Non-residential floor area (m²)	26661
Residential car spaces	301
Non-residential car spaces	408

Common area landscape	
Common area lawn (m²)	100
Common area garden (m²)	709
Area of indigenous or low water use species (m²)	0
Assessor details	
Assessor number	BDAV/12/1473
Certificate number	14730311
Climate zone	56
Project score	
Water	✓ 40 Target 40
Thermal Comfort	✓ Pass Target Pass
Energy	✓ 20 Target 20

The tables below describe the dwellings and common areas within the project

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
1.01	2	91.0	0.0	0	0
1.05	1	47.0	4.0	0	0
2.01	2	91.0	0.0	0	0
2.05	1	47.0	4.0	0	0
3.01	2	91.0	0.0	0	0
3.05	1	47.0	4.0	0	0
4.01	2	87.0	0.0	0	0
4.08	2	90.0	0.0	0	0
5.01	2	87.0	0.0	0	0
5.08	2	80.0	5.0	0	0
6.01	2	87.0	0.0	0	0
6.08	2	80.0	5.0	0	0
7.01	2	87.0	0.0	0	0
7.08	2	80.0	5.0	0	0
8.01	2	87.0	0.0	0	0
8.08	2	80.0	5.0	0	0
9.01	2	87.0	0.0	0	0
9.08	2	80.0	5.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
1.02	1	46.0	4.0	0	0
1.06	2	88.0	0.0	0	0
2.02	1	46.0	4.0	0	0
2.06	2	88.0	0.0	0	0
3.02	1	46.0	4.0	0	0
3.06	2	88.0	0.0	0	0
4.04	2	86.0	0.0	0	0
4.09	2	90.0	0.0	0	0
5.04	2	86.0	0.0	0	0
5.09	2	90.0	0.0	0	0
6.04	2	86.0	0.0	0	0
6.09	2	90.0	0.0	0	0
7.04	2	86.0	0.0	0	0
7.09	2	90.0	0.0	0	0
8.04	2	86.0	0.0	0	0
8.09	2	90.0	0.0	0	0
9.04	2	86.0	0.0	0	0
9.09	2	90.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
1.03	1	46.0	4.0	0	0
1.07	2	78.0	5.0	0	0
2.03	1	46.0	4.0	0	0
2.07	2	78.0	5.0	0	0
3.03	1	46.0	4.0	0	0
3.07	2	78.0	5.0	0	0
4.05	2	83.0	0.0	0	0
4.12	1	52.0	0.0	0	0
5.05	2	83.0	0.0	0	0
5.12	1	52.0	0.0	0	0
6.05	2	83.0	0.0	0	0
6.12	1	52.0	0.0	0	0
7.05	2	83.0	0.0	0	0
7.12	1	52.0	0.0	0	0
8.05	2	83.0	0.0	0	0
8.12	1	52.0	0.0	0	0
9.05	2	83.0	0.0	0	0
9.12	1	52.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
1.04	2	70.0	5.0	0	0
1.08	2	78.0	5.0	0	0
2.04	2	70.0	5.0	0	0
2.08	2	78.0	5.0	0	0
3.04	2	70.0	5.0	0	0
3.08	2	78.0	5.0	0	0
4.07	2	80.0	5.0	0	0
4.13	1	53.0	0.0	0	0
5.07	2	84.0	0.0	0	0
5.13	1	53.0	0.0	0	0
6.07	2	84.0	0.0	0	0
6.13	1	53.0	0.0	0	0
7.07	2	84.0	0.0	0	0
7.13	1	53.0	0.0	0	0
8.07	2	84.0	0.0	0	0
8.13	2	53.0	0.0	0	0
9.07	2	84.0	0.0	0	0
9.13	1	53.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (m ² area m ²)
10.01	2	87.0	0.0	0	0
10.08	2	80.0	5.0	0	0
11.01	2	87.0	0.0	0	0
11.08	2	80.0	5.0	0	0
12.01	2	87.0	0.0	0	0
12.08	2	80.0	5.0	0	0
13.01	2	87.0	0.0	0	0
13.08	2	80.0	5.0	0	0
14.01	2	87.0	0.0	0	0
14.08	2	80.0	5.0	0	0
15.01	2	87.0	0.0	0	0
15.08	2	80.0	5.0	0	0
16.01	2	87.0	0.0	0	0
16.08	2	80.0	5.0	0	0
17.01	2	87.0	0.0	0	0
17.08	2	80.0	5.0	0	0
18.01	2	87.0	0.0	0	0
18.08	2	80.0	5.0	0	0
19.01	2	87.0	0.0	0	0
19.08	2	80.0	5.0	0	0
20.01	2	87.0	0.0	0	0
20.08	2	80.0	5.0	0	0
21.01	2	87.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (m ² area m ²)
10.04	2	86.0	0.0	0	0
10.09	2	90.0	0.0	0	0
11.04	2	86.0	0.0	0	0
11.09	2	90.0	0.0	0	0
12.04	2	86.0	0.0	0	0
12.09	2	90.0	0.0	0	0
13.04	2	86.0	0.0	0	0
13.09	2	90.0	0.0	0	0
14.04	2	86.0	0.0	0	0
14.09	2	90.0	0.0	0	0
15.04	2	86.0	0.0	0	0
15.09	2	90.0	0.0	0	0
16.04	2	86.0	0.0	0	0
16.09	2	90.0	0.0	0	0
17.04	2	86.0	0.0	0	0
17.09	2	90.0	0.0	0	0
18.04	2	86.0	0.0	0	0
18.09	2	90.0	0.0	0	0
19.04	2	86.0	0.0	0	0
19.09	2	90.0	0.0	0	0
20.04	2	86.0	0.0	0	0
20.09	2	90.0	0.0	0	0
21.04	2	86.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (m ² area m ²)
10.05	2	83.0	0.0	0	0
10.12	1	52.0	0.0	0	0
11.05	2	83.0	0.0	0	0
11.12	1	52.0	0.0	0	0
12.05	2	83.0	0.0	0	0
12.12	1	52.0	0.0	0	0
13.05	2	83.0	0.0	0	0
13.12	1	52.0	0.0	0	0
14.05	2	83.0	0.0	0	0
14.12	1	52.0	0.0	0	0
15.05	2	83.0	0.0	0	0
15.12	1	52.0	0.0	0	0
16.05	2	83.0	0.0	0	0
16.12	1	52.0	0.0	0	0
17.05	2	83.0	0.0	0	0
17.12	1	52.0	0.0	0	0
18.05	2	83.0	0.0	0	0
18.12	1	52.0	0.0	0	0
19.05	2	83.0	0.0	0	0
19.12	1	52.0	0.0	0	0
20.05	2	83.0	0.0	0	0
20.12	1	52.0	0.0	0	0
21.05	2	83.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (m ² area m ²)
10.07	2	84.0	0.0	0	0
10.13	1	53.0	0.0	0	0
11.07	2	84.0	0.0	0	0
11.13	1	53.0	0.0	0	0
12.07	2	84.0	0.0	0	0
12.13	1	53.0	0.0	0	0
13.07	2	84.0	0.0	0	0
13.13	1	53.0	0.0	0	0
14.07	2	84.0	0.0	0	0
14.13	1	53.0	0.0	0	0
15.07	2	84.0	0.0	0	0
15.13	1	53.0	0.0	0	0
16.07	2	84.0	0.0	0	0
16.13	1	53.0	0.0	0	0
17.07	2	84.0	0.0	0	0
17.13	1	53.0	0.0	0	0
18.07	2	84.0	0.0	0	0
18.13	1	53.0	0.0	0	0
19.07	2	84.0	0.0	0	0
19.13	1	53.0	0.0	0	0
20.07	2	84.0	0.0	0	0
20.13	1	53.0	0.0	0	0
21.07	2	84.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (mln area m ²)
21.08	2	80.0	5.0	0	0
22.01	2	87.0	0.0	0	0
22.08	2	80.0	5.0	0	0
23.01	2	87.0	0.0	0	0
23.08	2	80.0	5.0	0	0
24.01	2	87.0	0.0	0	0
24.08	2	80.0	5.0	0	0
25.01	2	87.0	0.0	0	0
25.08	2	80.0	5.0	0	0
26.01	2	87.0	0.0	0	0
26.08	2	80.0	5.0	0	0
27.01	2	87.0	0.0	0	0
27.08	2	80.0	5.0	0	0
28-01	2	87.0	0.0	0	0
28.11	2	90.0	0.0	0	0
29.04	2	86.0	0.0	0	0
29.12	1	52.0	0.0	0	0
30.08	2	80.0	5.0	0	0
30.13	1	53.0	0.0	0	0
31.10	2	82.0	0.0	0	0
32.01	2	87.0	0.0	0	0
32.11	2	90.0	0.0	0	0
33.04	2	86.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (mln area m ²)
21.09	2	90.0	0.0	0	0
22.04	2	86.0	0.0	0	0
22.09	2	90.0	0.0	0	0
23.04	2	86.0	0.0	0	0
23.09	2	90.0	0.0	0	0
24.04	2	86.0	0.0	0	0
24.09	2	90.0	0.0	0	0
25.04	2	86.0	0.0	0	0
25.09	2	90.0	0.0	0	0
26.04	2	86.0	0.0	0	0
26.09	2	90.0	0.0	0	0
27.04	2	86.0	0.0	0	0
27.09	2	90.0	0.0	0	0
28.04	2	86.0	0.0	0	0
28.12	1	52.0	0.0	0	0
29.08	2	80.0	5.0	0	0
29.13	1	53.0	0.0	0	0
30.10	2	82.0	0.0	0	0
31.01	2	87.0	0.0	0	0
31.11	2	90.0	0.0	0	0
32.04	2	86.0	0.0	0	0
32.12	1	52.0	0.0	0	0
33.08	2	80.0	5.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (mln area m ²)
21.12	1	52.0	0.0	0	0
22.05	2	83.0	0.0	0	0
22.12	1	52.0	0.0	0	0
23.05	2	83.0	0.0	0	0
23.12	1	52.0	0.0	0	0
24.05	2	83.0	0.0	0	0
24.12	1	52.0	0.0	0	0
25.05	2	83.0	0.0	0	0
25.12	1	52.0	0.0	0	0
26.05	2	83.0	0.0	0	0
26.12	1	52.0	0.0	0	0
27.05	2	83.0	0.0	0	0
27.12	1	52.0	0.0	0	0
28.08	2	80.0	5.0	0	0
28.13	1	53.0	0.0	0	0
29.10	2	82.0	0.0	0	0
30.01	2	87.0	0.0	0	0
30.11	2	90.0	0.0	0	0
31.04	2	86.0	0.0	0	0
31.12	1	52.0	0.0	0	0
32.08	2	80.0	5.0	0	0
32.13	1	53.0	0.0	0	0
33.10	2	82.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (mln area m ²)
21.13	1	53.0	0.0	0	0
22.07	2	84.0	0.0	0	0
22.13	1	53.0	0.0	0	0
23.07	2	84.0	0.0	0	0
23.13	1	53.0	0.0	0	0
24.07	2	84.0	0.0	0	0
24.13	1	53.0	0.0	0	0
25.07	2	84.0	0.0	0	0
25.13	1	53.0	0.0	0	0
26.07	2	84.0	0.0	0	0
26.13	1	53.0	0.0	0	0
27.07	2	84.0	0.0	0	0
27.13	1	53.0	0.0	0	0
28.10	2	82.0	0.0	0	0
29.01	2	87.0	0.0	0	0
29.11	2	90.0	0.0	0	0
30.04	2	86.0	0.0	0	0
30.12	1	52.0	0.0	0	0
31.08	2	80.0	5.0	0	0
31.13	1	53.0	0.0	0	0
32.10	2	82.0	0.0	0	0
33.01	2	87.0	0.0	0	0
33.11	2	90.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (m ²)
33.12	1	52.0	0.0	0	0
34.10	2	82.0	0.0	0	0
35.04	2	86.0	0.0	0	0
35.14	3	103.0	0.0	0	0
36.10	2	82.0	0.0	0	0
37.04	2	86.0	0.0	0	0
37.14	3	103.0	0.0	0	0
38.10	2	82.0	0.0	0	0
39.04	2	86.0	0.0	0	0
39.14	3	103.0	0.0	0	0
40.10	2	82.0	0.0	0	0
41.04	2	86.0	0.0	0	0
41.14	3	103.0	0.0	0	0
42.10	2	82.0	0.0	0	0
43.04	2	86.0	0.0	0	0
43.14	3	103.0	0.0	0	0
44.10	2	82.0	0.0	0	0
45.04	2	86.0	0.0	0	0
45.14	3	103.0	0.0	0	0
46.10	2	82.0	0.0	0	0
47.04	2	86.0	0.0	0	0
47.14	3	103.0	0.0	0	0
48.10	2	82.0	0.0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (m ²)
33.13	1	53.0	0.0	0	0
34.11	2	90.0	0.0	0	0
35.08	2	80.0	5.0	0	0
35.15	2	90.0	0.0	0	0
36.11	2	90.0	0.0	0	0
37.08	2	80.0	5.0	0	0
37.15	2	90.0	0.0	0	0
38.11	2	90.0	0.0	0	0
39.08	2	80.0	5.0	0	0
39.15	2	90.0	0.0	0	0
40.11	2	90.0	0.0	0	0
41.08	2	80.0	5.0	0	0
41.15	2	90.0	0.0	0	0
42.11	2	90.0	0.0	0	0
43.08	2	80.0	5.0	0	0
43.15	2	90.0	0.0	0	0
44.11	2	90.0	0.0	0	0
45.08	2	80.0	5.0	0	0
45.15	2	90.0	0.0	0	0
46.11	2	90.0	0.0	0	0
47.08	2	80.0	5.0	0	0
47.15	2	90.0	0.0	0	0
48.11	2	90.0	0.0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (m ²)
34.04	2	86.0	0.0	0	0
34.14	3	103.0	0.0	0	0
35.10	2	82.0	0.0	0	0
36.04	2	86.0	0.0	0	0
36.14	3	103.0	0.0	0	0
37.10	2	82.0	0.0	0	0
38.04	2	86.0	0.0	0	0
38.14	3	103.0	0.0	0	0
39.10	2	82.0	0.0	0	0
40.04	2	86.0	0.0	0	0
40.14	3	103.0	0.0	0	0
41.10	2	82.0	0.0	0	0
42.04	2	86.0	0.0	0	0
42.14	3	103.0	0.0	0	0
43.10	2	82.0	0.0	0	0
44.04	2	86.0	0.0	0	0
44.14	3	103.0	0.0	0	0
45.10	2	82.0	0.0	0	0
46.04	2	86.0	0.0	0	0
46.14	3	103.0	0.0	0	0
47.10	2	82.0	0.0	0	0
48.04	2	86.0	0.0	0	0
48.14	3	103.0	0.0	0	0
Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (m ²)
34.08	2	80.0	5.0	0	0
34.15	2	90.0	0.0	0	0
35.11	2	90.0	0.0	0	0
36.08	2	80.0	5.0	0	0
36.15	2	90.0	0.0	0	0
37.11	2	90.0	0.0	0	0
38.08	2	80.0	5.0	0	0
38.15	2	90.0	0.0	0	0
39.11	2	90.0	0.0	0	0
40.08	2	80.0	5.0	0	0
40.15	2	90.0	0.0	0	0
41.11	2	90.0	0.0	0	0
42.08	2	80.0	5.0	0	0
42.15	2	90.0	0.0	0	0
43.11	2	90.0	0.0	0	0
44.08	2	80.0	5.0	0	0
44.15	2	90.0	0.0	0	0
45.11	2	90.0	0.0	0	0
46.08	2	80.0	5.0	0	0
46.15	2	90.0	0.0	0	0
47.11	2	90.0	0.0	0	0
48.08	2	80.0	5.0	0	0
48.15	2	90.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
49.04	2	86.0	0.0	0	0
49.14	3	103.0	0.0	0	0
50.10	2	82.0	0.0	0	0
51.04	2	86.0	0.0	0	0
51.14	3	103.0	0.0	0	0
52.10	2	82.0	0.0	0	0
53.04	2	86.0	0.0	0	0
53.14	3	103.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
49.08	2	80.0	5.0	0	0
49.15	2	90.0	0.0	0	0
50.11	2	90.0	0.0	0	0
51.08	2	80.0	5.0	0	0
51.15	2	90.0	0.0	0	0
52.11	2	90.0	0.0	0	0
53.08	2	80.0	5.0	0	0
53.15	2	90.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
49.10	2	82.0	0.0	0	0
50.04	2	86.0	0.0	0	0
50.14	3	103.0	0.0	0	0
51.10	2	82.0	0.0	0	0
52.04	2	86.0	0.0	0	0
52.14	3	103.0	0.0	0	0
53.10	2	82.0	0.0	0	0

Dwelling no.	No. of bedrooms	Conditioned floor area (m ²)	Unconditioned floor area (m ²)	Area of garden & lawn (m ²)	Indigenous species (min area m ²)
49.11	2	90.0	0.0	0	0
50.08	2	80.0	5.0	0	0
50.15	2	90.0	0.0	0	0
51.11	2	90.0	0.0	0	0
52.08	2	80.0	5.0	0	0
52.15	2	90.0	0.0	0	0
53.11	2	90.0	0.0	0	0

Description of project

The tables below describe the dwellings and common areas within the project

Common areas of unit building - West Tower

Common area	Floor area (m ²)
Lift car (No. 1)	-
Lift car (No. 4)	-
Roof top plant	287
Hallways	2058

Common area	Floor area (m ²)
Lift car (No. 2)	-
Lift car (No. 5)	-
Mail	12

Common area	Floor area (m ²)
Lift car (No. 3)	-
Services	218
Ground Floor Lobbies	148

Common areas of the development (non-building specific)

Common area	Floor area (m ²)
Pool	192
Car park area	18744
Plant	215
Carpark - Lift Lobbies	177

Common area	Floor area (m ²)
Gym	37
Lift car (No. 6)	-
Pool toilets	13

Common area	Floor area (m ²)
Sauna	16
Garbage rooms	319
Podium Lobbies	600

Schedule of BASIX commitments

1. Commitments for Residential flat buildings - West Tower

(a) Dwellings

(i) Water

(ii) Energy

(iii) Thermal Comfort

(b) Common areas and central systems/facilities

(i) Water

(ii) Energy

2. Commitments for multi-dwelling houses

3. Commitments for single dwelling houses

4. Commitments for common areas and central systems/facilities for the development (non-building specific)

(i) Water

(ii) Energy

Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

1. Commitments for Residential flat buildings - West Tower

(a) Dwellings

(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 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 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, where indicated for a dwelling in the "HW recirculation or diversion" column of the table below.		✓	✓
(e) The applicant must install: (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 (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.	✓	✓	
(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.	✓	✓	
(h) The applicant must install, for the dwelling, each alternative water supply system, with the specified size, listed for that dwelling in 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.	✓	✓	✓

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
44.04, 44.08, 44.10, 44.11, 44.14, 44.15, 45.04, 45.08, 45.10, 45.11, 45.14, 45.15, 46.04, 46.08, 46.10, 46.11, 46.14, 46.15, 47.04, 47.08, 47.10, 47.11, 47.14, 47.15, 48.04, 48.08, 48.10, 48.11, 48.14, 48.15, 49.04, 49.08, 49.10	3 star (> 7.5 but <= 9 L/min)	4 star	4 star	4 star	no	-	3 star	-	-	-	-	-	-	-

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
2.01,	3 star (> 7.5 but <= 9 L/min)	4 star	4 star	4 star	no	2 star	3 star	-	-	-	-	-	-	-
2.03,														
2.04,														
2.05,														
3.01,														
3.02,														
3.03,														
3.04,														
3.05,														
3.06,														
3.07,														
3.08,														
4.01,														
4.04,														
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8.01,														
8.04,														
8.05,														
8.07,														
8.08,														
9.01,														
9.04,														
9.05,														

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
9.07,														
9.08,														
10.01,														
10.04,														
10.05,														
10.07,														
10.08,														
11.01,														
11.04,														
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11.07,														
11.08,														
12.01,														
12.04,														
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13.04,														
13.05,														
13.07,														
13.08,														
14.01,														
14.04,														
14.05,														
14.07														

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
29.11, 29.12, 29.13, 30.01, 30.04, 30.08, 30.10, 30.11, 30.12, 30.13, 31.01, 31.04, 31.08, 31.10, 31.11, 31.12, 31.13, 32.01, 32.04, 32.08, 32.10, 32.11, 32.12, 32.13, 33.01, 33.04, 33.08, 33.10, 33.11, 33.12, 33.13, 34.04, 34.08, 34.10, 34.11, 34.14, 34.15, 35.04, 35.08, 35.10,	3 star (> 7.5 but <= 9 L/min)	4 star	4 star	4 star	no	-	3 star	-	-	-	-	-	-	-

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
35.11,														
35.14,														
35.15,														
36.04,														
36.08,														
36.10,														
36.11,														
36.14,														
36.15,														
37.04,														
37.08,														
37.10,														
37.11,														
37.14,														
37.15,														
38.04,														
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39.14,														
39.15,														
40.04,														
40.08,														
40.10,														
40.11,														
40.14,														
40.15,														
41.04,														
41.08,														
41.10,														
41.11,														
41.14,														
41.15,														
42.04,														

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
42.08,														
42.10,														
42.11,														
42.14,														
42.15,														
43.04,														
43.08,														
43.10,														
43.11,														
43.14,														
43.15,														
49.11,														
49.14,														
49.15,														
50.04,														
50.08,														
50.10,														
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50.15,														
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52.15,														
53.04,														
53.08,														
53.10,														
53.11,														
53.14,														
53.15														

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
1.01, 1.02, 1.03, 1.04, 1.05, 1.06, 1.07, 1.08, 2.02, 2.06, 2.07, 2.08, 4.09, 4.12, 4.13, 5.09, 5.12, 5.13, 6.09, 6.12, 6.13, 7.09, 7.12, 7.13, 8.09, 8.12, 8.13, 9.09, 9.12, 9.13, 10.09, 10.12, 10.13, 11.09, 11.12, 11.13, 12.09, 12.12, 12.13, 13.09,	3 star (> 7.5 but <= 9 L/min)	4 star	4 star	4 star	no	2 star	3 star	-	-	-	-	-	-	-

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dishwashers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
13.12,														
13.13,														
14.08,														
14.09,														
14.12,														
14.13,														
15.01,														
15.04,														
15.05,														
15.07,														
15.08,														
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15.12,														
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16.01,														
16.04,														
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17.13,														
18.01,														
18.04,														
18.05,														
18.07,														
18.08,														
18.09,														
18.12,														
18.13,														
19.01,														
19.04,														

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
19.05,														
19.07,														
19.08,														
19.09,														
19.12,														
19.13,														
20.01,														
20.04,														
20.05,														
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21.01,														
21.04,														
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23.01,														
23.04,														
23.05,														
23.07,														
23.08,														
23.09,														
23.12,														
23.13,														
24.01,														
24.04,														

Dwelling no.	Fixtures					Appliances		Individual pool				Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded
24.05,														
24.07,														
24.08,														
24.09,														
24.12,														
24.13,														
25.01,														
25.04,														
25.05,														
25.07,														
25.08,														
25.09,														
25.12,														
25.13,														
26.01,														
26.04,														
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26.12,														
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27.01,														
27.04,														
27.05,														
27.07,														
27.08,														
27.09,														
27.12,														
27.13,														
28-01,														
28.04,														
28.08,														
28.10,														
28.11,														
28.12,														
28.13,														
29.01,														
29.04,														
29.08,														

Dwelling no.	Fixtures					Appliances			Individual pool					Individual spa		
	All shower-heads	All toilet flushing systems	All kitchen taps	All bathroom taps	HW recirculation or diversion	All clothes washers	All dish-washers	Volume (max volume)	Pool cover	Pool location	Pool shaded	Volume (max volume)	Spa cover	Spa shaded		
29.10																

Alternative water source									
Dwelling no.	Alternative water supply systems	Size	Configuration	Landscape connection	Toilet connection (s)	Laundry connection	Pool top-up	Spa top-up	

(ii) Energy	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 install each hot water system specified for the dwelling in the table below, so that the dwelling's hot water is 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.	✓	✓	✓
(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.		✓	✓
(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.		✓	✓
(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 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.		✓	✓
(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 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.	✓	✓	✓
(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 any system for the pool). If specified, the applicant must install a timer, to control the pool's pump; and		✓	

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(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:			
(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 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.	✓		
(i) If specified in the table, the applicant must carry out the development so that each refrigerator space in the dwelling is "well ventilated".	✓		

	Hot water	Bathroom ventilation system		Kitchen ventilation system		Laundry ventilation system	
Dwelling no.	Hot water system	Each bathroom	Operation control	Each kitchen	Operation control	Each laundry	Operation control
All dwellings	central hot water system 1	individual fan, ducted to façade or roof	manual on / timer off	individual fan, not ducted	manual switch on/off	individual fan, ducted to façade or roof	manual on / timer off

	Cooling		Heating		Artificial lighting						Natural lighting	
Dwelling no.	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
34.14	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 3 Star (new rating) (zoned)	1-phase airconditioning 3 Star (new rating) (zoned)	3 (dedicated)	0	no	yes	yes	no	0	no

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
1.02, 1.03, 1.05, 2.02, 2.03, 2.05, 3.02, 3.03, 3.05	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	1 (dedicated)	0	no	yes	yes	no	1	yes
35.14, 36.14, 37.14, 38.14, 39.14, 40.14, 41.14, 42.14, 43.14, 44.14, 45.14, 46.14, 47.14, 48.14, 49.14, 50.14, 51.14, 52.14, 53.14	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 3 Star (new rating) (zoned)	1-phase airconditioning 3 Star (new rating) (zoned)	3 (dedicated)	0	no	yes	yes	no	1	no

Dwelling no.	Cooling			Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
1.04, 1.07, 1.08, 2.04, 2.07, 2.08, 3.04, 3.07, 3.08, 28.10, 29.10, 30.10, 31.10, 32.10, 33.10, 34.10, 35.10, 36.10, 37.10, 38.10, 39.10, 40.10, 41.10, 42.10, 43.10, 44.10, 45.10, 46.10, 47.10, 48.10, 49.10, 50.10, 51.10, 52.10, 53.10	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	2 (dedicated)	0	no	yes	yes	no	1	yes

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
1.06, 2.06, 3.06, 4.05, 5.05, 5.07, 6.05, 6.07, 7.05, 7.07, 8.05, 8.07, 8.13, 9.05, 9.07, 10.05, 10.07, 11.05, 11.07, 12.05, 12.07, 13.05, 13.07, 14.05, 14.07, 15.05, 15.07, 16.05, 16.07, 17.05, 17.07, 18.05, 18.07, 19.05, 19.07, 20.05, 20.07, 21.05, 21.07,	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	2 (dedicated)	0	no	yes	yes	no	0	no

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/ toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
22.05,												
22.07,												
23.05,												
23.07,												
24.05,												
24.07,												
25.05,												
25.07,												
26.05,												
26.07,												
27.05,												
27.07,												
28.11,												
29.08												

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
4.12,	1-phase airconditioning	1-phase airconditioning	1-phase airconditioning	1-phase airconditioning	1	0	no	yes	yes	no	0	no
4.13,					(dedicated)							
5.12,	2 Star (new rating) (zoned)	2 Star (new rating) (zoned)	2.5 Star (new rating) (zoned)	2.5 Star (new rating) (zoned)								
5.13,												
6.12,												
6.13,												
7.12,												
7.13,												
8.12,												
9.12,												
9.13,												
10.12,												
10.13,												
11.12,												
11.13,												
12.12,												
12.13,												
13.12,												
13.13,												
14.12,												
14.13,												
15.12,												
15.13,												
16.12,												
16.13,												
17.12,												
17.13,												
18.12,												
18.13,												
19.12,												
19.13,												
20.12,												
20.13,												
21.12,												
21.13,												
22.12,												
22.13,												
23.12,												
23.13,												

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
24.12,												
24.13,												
25.12,												
25.13,												
26.12,												
26.13,												
27.12,												
27.13,												
28.12,												
28.13,												
29.12,												
29.13,												
30.12,												
30.13,												
31.12,												
31.13,												
32.12,												
32.13,												
33.12,												
33.13												

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
4.04, 5.04, 6.04, 7.04, 8.04, 9.04, 10.04, 11.04, 12.04, 13.04, 14.04, 15.04, 16.04, 17.04, 18.04, 19.04, 20.04, 21.04, 22.04, 23.04, 24.04, 25.04, 26.04, 27.04, 28.04, 29.04, 29.11, 30.04, 30.11, 31.04, 31.11, 32.04, 32.11, 33.04, 33.11, 34.04, 34.11, 34.15, 35.04,	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	2 (dedicated)	0	no	yes	yes	no	0	yes

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
35.11,												
35.15,												
36.04,												
36.11,												
36.15,												
37.04,												
37.11,												
37.15,												
38.04,												
38.11,												
38.15,												
39.04,												
39.11,												
39.15,												
40.04,												
40.11,												
40.15,												
41.04,												
41.11,												
41.15,												
42.04,												
42.11,												
42.15,												
43.04,												
43.11,												
43.15,												
44.04,												
44.11,												
44.15,												
45.04,												
45.11,												
45.15,												
46.04,												
46.11,												
46.15,												
47.04,												
47.11,												
47.15,												
48.04,												

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
48.11,												
48.15,												
49.04,												
49.11,												
49.15,												
50.04,												
50.11,												
50.15,												
51.04,												
51.11,												
51.15,												
52.04,												
52.11,												
52.15,												
53.04,												
53.11,												
53.15												

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
1.01, 2.01, 3.01, 4.01, 4.07, 4.08, 4.09, 5.01, 5.08, 5.09, 6.01, 6.08, 6.09, 7.01, 7.08, 7.09, 8.01, 8.08, 8.09, 9.01, 9.08, 9.09, 10.01, 10.08, 10.09, 10.09, 11.01, 11.08, 11.09, 12.01, 12.08, 12.09, 13.01, 13.08, 13.09, 14.01, 14.08, 14.09, 15.01, 15.08,	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	1-phase airconditioning 2.5 Star (new rating) (zoned)	2 (dedicated)	0	no	yes	yes	no	1	no

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
15.09,												
16.01,												
16.08,												
16.09,												
17.01,												
17.08,												
17.09,												
18.01,												
18.08,												
18.09,												
19.01,												
19.08,												
19.09,												
20.01,												
20.08,												
20.09,												
21.01,												
21.08,												
21.09,												
22.01,												
22.08,												
22.09,												
23.01,												
23.08,												
23.09,												
24.01,												
24.08,												
24.09,												
25.01,												
25.08,												
25.09,												
26.01,												
26.08,												
26.09,												
27.01,												
27.08,												
27.09,												
28-01,												
28.08,												

Dwelling no.	Cooling		Heating		Artificial lighting						Natural lighting	
	living areas	bedroom areas	living areas	bedroom areas	No. of bedrooms &/or study	No. of living &/or dining rooms	Each kitchen	All bathrooms/toilets	Each laundry	All hallways	No. of bathrooms &/or toilets	Main kitchen
29.01,												
30.01,												
30.08,												
31.01,												
31.08,												
32.01,												
32.08,												
33.01,												
33.08,												
34.08,												
35.08,												
36.08,												
37.08,												
38.08,												
39.08,												
40.08,												
41.08,												
42.08,												
43.08,												
44.08,												
45.08,												
46.08,												
47.08,												
48.08,												
49.08,												
50.08,												
51.08,												
52.08,												
53.08												

	Individual pool		Individual spa		Appliances & other efficiency measures							
Dwelling no.	Pool heating system	Timer	Spa heating system	Timer	Kitchen cooktop/oven	Refrigerator	Well ventilated fridge space	Dishwasher	Clothes washer	Clothes dryer	Indoor or sheltered clothes drying line	Private outdoor or unsheltered clothes drying line
All dwellings	-	-	-	-	gas cooktop & electric oven	2 star (new rating)	yes	3 star	-	2 star	no	no

(iii) Thermal Comfort	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) The applicant must attach the certificate referred to under "Assessor details" on the front page of this BASIX certificate (the "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.			
(d) The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Thermal Comfort Protocol requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor, to certify that this is the case.			
(e) The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.			
(f) The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.	✓	✓	✓
(g) Where there is an in-slab heating or cooling system, the applicant must: (aa) Install insulation with an R-value of not less than 1.0 around the vertical edges of the perimeter of the slab; or (bb) On a suspended floor, install insulation with an R-value of not less than 1.0 underneath the slab and around the vertical edges of the perimeter of the slab.	✓	✓	✓
(h) The applicant must construct the floors and walls of the development in accordance with the specifications listed in the table below.	✓	✓	✓

Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)
1.01	62
1.02	66
1.04	65
1.05	53
1.06	55
1.07	65
1.08	66
2.02	51
2.03	61
2.04	62
2.05	55
2.06	57
2.07	64
2.08	66
3.01	56
3.03	64
3.04	66
3.05	59
3.06	62
3.07	66
4.05	64
4.07	55
4.08	55
4.09	66
4.12	46
5.05	41
5.08	46
Area adjusted cooling load (in mJ/m ² /yr)	
	26
	24
	16
	31
	30
	39
	38
	27
	46
	23
	26
	31
	31
	32
	25
	49
	22
	24
	31
	44
	10
	31
	51
	29
	33
	14
	56

Thermal loads	
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)
5.09	55
5.12	30
5.13	41
6.01	59
6.04	53
6.05	42
6.08	46
6.12	36
6.13	49
7.01	62
7.04	53
7.12	30
7.13	46
8.01	63
8.08	47
8.09	56
8.12	31
8.13	47
9.01	61
9.04	54
9.07	34
9.08	47
9.12	37
9.13	50
10.01	64
10.07	35
10.09	48
Area adjusted cooling load (in MJ/m ² /yr)	
	43
	36
	47
	50
	55
	14
	55
	28
	34
	58
	53
	58
	52
	56
	54
	41
	58
	52
	47
	52
	40
	53
	27
	32
	56
	35
	31

Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)
10.12	31
10.13	47
11.07	36
11.09	57
11.12	31
11.13	43
12.01	65
12.09	49
12.12	38
13.01	64
13.13	48
14.01	62
14.09	61
14.12	32
14.13	44
15.01	65
15.04	54
15.09	58
15.13	49
16.01	63
16.09	63
16.12	33
17.09	50
17.12	39
17.13	52
18.01	65
18.04	56
Area adjusted cooling load (in mJ/m ² /yr)	
	55
	50
	35
	39
	34
	43
	51
	30
	39
	54
	49
	46
	41
	34
	42
	54
	48
	36
	48
	45
	37
	32
	29
	38
	51
	53
	47

Thermal loads	
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)
18.09	62
18.13	52
19.09	62
19.12	32
20.01	66
20.09	60
20.12	33
21.01	58
21.07	38
21.09	51
21.12	34
22.01	58
22.08	50
22.09	65
22.13	46
23.01	59
23.09	65
24.01	59
24.04	57
24.09	61
25.08	51
25.09	64
26.04	57
26.07	38
26.09	52
26.12	34
26.13	46
Area adjusted cooling load (in mJ/m ² /yr)	
38	
50	
37	
53	
53	
33	
52	
41	
33	
28	
52	
42	
47	
33	
39	
41	
34	
40	
45	
32	
46	
35	
44	
31	
27	
50	
38	

Thermal loads		
Dwelling no.	Area adjusted heating load (in mJ/m ² /yr)	Area adjusted cooling load (in mJ/m ² /yr)
27.09	63	32
28.10	56	20
29.10	57	20
29.13	47	38
33.01	60	38
33.13	59	37
34.14	59	46
34.15	44	50
35.04	59	43
36.15	33	37
37.15	35	57
38.15	37	46
40.15	30	47
42.11	47	42
43.15	30	45
44.10	53	19
44.14	52	49
44.15	35	55
49.08	54	41
52.04	59	44
52.08	54	39
52.10	59	18
52.11	48	39
53.08	63	39
53.10	66	17
53.11	58	44
53.14	49	41

Thermal loads	
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)
2.01, 3.02	56
4.01, 5.01	59
5.04, 8.04	52
5.07, 6.07	34
6.09, 7.09	47
7.05, 8.05	42
4.04, 19.01	66
7.08, 53.15	46
9.09, 13.09	61
10.04, 17.01	66
10.08, 11.08	48
11.01, 16.04	60
12.08, 13.08	48
16.07, 27.07	35
16.13, 19.13	45
17.04, 19.04	56
20.04, 21.04	56
20.08, 21.08	50
20.13, 21.13	53
22.04, 23.04	57
23.08, 24.08	50
25.01, 26.01	58
28.11, 29.11	45
29.08, 39.14	51
34.11, 35.11	46
40.08, 41.08	53
40.11, 41.11	46
Area adjusted cooling load (in MJ/m ² /yr)	
	27
	51
	54
	37
	32
	13
	52
	54
	42
	51
	52
	48
	51
	37
	40
	48
	46
	48
	50
	46
	46
	40
	45
	44
	44
	43
	42

Thermal loads	
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)
41.15, 45.15	35
50.08, 51.08	54
50.11, 51.11	47
1.03, 3.08, 53.04	66
7.07, 8.07, 22.07	35
13.04, 14.04, 28.13	55
13.12, 15.12, 18.12	32
14.08, 15.08, 16.08	49
17.08, 18.08, 19.08	49
23.07, 24.07, 25.07	38
25.04, 27.04, 28.04	58
35.15, 39.15, 42.15	36
47.11, 48.11, 49.11	47
50.15, 51.15, 52.15	36
12.07, 13.07, 14.07, 15.07	36
12.13, 30.13, 31.13, 32.13	55
14.05, 15.05, 16.05, 17.05	44
17.07, 18.07, 19.07, 20.07	37
22.12, 23.12, 24.12, 25.12	34
24.05, 25.05, 26.05, 27.05	46
30.11, 31.11, 32.11, 33.11	45
36.11, 37.11, 38.11, 39.11	46
41.04, 43.04, 44.04, 45.04	60
43.11, 44.11, 45.11, 46.11	47
46.15, 47.15, 48.15, 49.15	36
9.05, 10.05, 11.05, 12.05, 13.05	43
47.10, 48.10, 49.10, 50.10, 51.10	59
Area adjusted cooling load (in MJ/m ² /yr)	
56	
40	
39	
42	
36	
49	
54	
50	
49	
32	
45	
49	
40	
55	
34	
48	
13	
33	
51	
13	
44	
43	
42	
41	
56	
13	
19	

Thermal loads		
Dwelling no.	Area adjusted heating load (in MJ/m ² /yr)	Area adjusted cooling load (in MJ/m ² /yr)
11.04, 12.04, 23.13, 24.13, 25.13, 27.13	54	49
18.05, 19.05, 20.05, 21.05, 22.05, 23.05	45	13
27.01, 28.01, 29.01, 30.01, 31.01, 32.01	59	39
29.04, 30.04, 31.04, 32.04, 33.04, 34.04	58	43
30.10, 31.10, 32.10, 33.10, 34.10, 35.10	57	19
36.04, 37.04, 38.04, 39.04, 40.04, 42.04	59	42
44.08, 45.08, 46.08, 47.08, 48.08, 52.14	53	41
4.13, 46.04, 47.04, 48.04, 49.04, 50.04, 51.04	60	41
26.08, 27.08, 28.08, 30.08, 35.14, 36.14, 37.14	51	45
27.12, 28.12, 29.12, 30.12, 31.12, 32.12, 33.12	35	50
31.08, 32.08, 33.08, 34.08, 35.08, 40.14, 41.14	52	44
39.08, 42.08, 43.08, 45.14, 49.14, 50.14, 51.14	53	42
36.08, 37.08, 38.08, 38.14, 42.14, 43.14, 46.14, 47.14, 48.14	52	43
All other dwellings	58	19

(b) Common areas and central systems/facilities

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a showerhead, toilet, tap or clothes washer into a common area, then that item must meet the specifications listed for it in the table.		✓	✓
(b) The applicant must install (or ensure that the development is serviced by) the alternative water supply system(s) specified in the "Central systems" column of the table below. In each case, the system must be sized, be configured, and be connected, as specified in the table.	✓	✓	✓
(c) A swimming pool or spa listed in the table must not have a volume (in kLs) greater than that specified for the pool or spa in the table.	✓	✓	
(d) A pool or spa 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 applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		✓	✓

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	3 star (> 7.5 but ≤ 9 L/min)	4 star	4 star	no common laundry facility

(ii) Energy	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a ventilation system to service a common area specified in the table below, then that ventilation system must be of the type specified for that common area, and must meet the efficiency measure specified.		✓	✓
(b) In carrying out the development, the applicant must install, as the "primary type of artificial lighting" for each common area specified in the table below, the lighting specified for that common area. This lighting must meet the efficiency measure specified. The applicant must also install a centralised lighting control system or Building Management System (BMS) for the common area, where specified.		✓	✓
(c) The applicant must install the systems and fixtures specified in the "Central energy systems" column of the table below. In each case, the system or fixture must be of the type, and meet the specifications, listed for it in the table.	✓	✓	✓

Common area	Common area ventilation system		Common area lighting		
	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure	Lighting control system/BMS
Lift car (No. 1)		-	light-emitting diode	connected to lift call button	No
Lift car (No. 2)		-	light-emitting diode	connected to lift call button	No
Lift car (No. 3)		-	light-emitting diode	connected to lift call button	No
Lift car (No. 4)		-	light-emitting diode	connected to lift call button	No
Lift car (No. 5)		-	light-emitting diode	connected to lift call button	No
Services	ventilation supply only	interlocked to light	fluorescent	manual on / manual off	No
Roof top plant	no mechanical ventilation	-	fluorescent	manual on / manual off	No
Mail	ventilation supply only	time clock or BMS controlled	compact fluorescent	manual on / manual off	No
Ground Floor Lobbies	ventilation supply only	none ie. continuous	compact fluorescent	none	No
Hallways	ventilation supply only	time clock or BMS controlled	compact fluorescent	zoned switching with motion sensor	No

Central energy systems		Specification
Lift (No. 1)	gearless traction with V V V F motor	Number of levels (including basement): 59
Lift (No. 2)	gearless traction with V V V F motor	Number of levels (including basement): 59
Lift (No. 3)	gearless traction with V V V F motor	Number of levels (including basement): 59
Lift (No. 4)	gearless traction with V V V F motor	Number of levels (including basement): 59
Lift (No. 5)	gearless traction with V V V F motor	Number of levels (including basement): 59

4. Commitments for common areas and central systems/facilities for the development (non-building specific)

(b) Common areas and central systems/facilities

(i) Water	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a showerhead, toilet, tap or clothes washer into a common area, then that item must meet the specifications listed for it in the table.		✓	✓
(b) The applicant must install (or ensure that the development is serviced by) the alternative water supply system(s) specified in the "Central systems" column of the table below. In each case, the system must be sized, be configured, and be connected, as specified in the table.	✓	✓	✓
(c) A swimming pool or spa listed in the table must not have a volume (in kLs) greater than that specified for the pool or spa in the table.	✓	✓	
(d) A pool or spa 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 applicant must ensure that the central cooling system for a cooling tower is configured as specified in the table.		✓	✓

Common area	Showerheads rating	Toilets rating	Taps rating	Clothes washers rating
All common areas	3 star (> 7.5 but ≤ 9 L/min)	4 star	4 star	no common laundry facility

Central systems	Size	Configuration	Connection (to allow for...)
Central water tank - rainwater or stormwater (No. 1)	20000	To collect run-off from at least: - 350 square metres of roof area of buildings in the development - 216 square metres of impervious area in the development - 0 square metres of garden/lawn area in the development - 0 square metres of planter box area in the development (excluding, in each case, any area which drains to, or supplies, any other alternative water supply system).	- irrigation of 809 square metres of common landscaped area on the site - car washing in 0 car washing bays on the site
Pool (No. 1)	Volume: 165 kLs	Location: Pool Pool shaded: no	-

(ii) Energy		Show on DA plans	Show on CC/CDC plans & specs	Certifier check
(a) If, in carrying out the development, the applicant installs a ventilation system to service a common area specified in the table below, then that ventilation system must be of the type specified for that common area, and must meet the efficiency measure specified.			✓	✓
(b) In carrying out the development, the applicant must install, as the "primary type of artificial lighting" for each common area specified in the table below, the lighting specified for that common area. This lighting must meet the efficiency measure specified. The applicant must also install a centralised lighting control system or Building Management System (BMS) for the common area, where specified.			✓	✓
(c) The applicant must install the systems and fixtures specified in the "Central energy systems" column of the table below. In each case, the system or fixture must be of the type, and meet the specifications, listed for it in the table.		✓	✓	✓

Common area	Common area ventilation system		Common area lighting	
	Ventilation system type	Ventilation efficiency measure	Primary type of artificial lighting	Lighting efficiency measure
Pool	ventilation exhaust only	time clock or BMS controlled	compact fluorescent	manual on / manual off
Gym	air conditioning system	time clock or BMS controlled	compact fluorescent	manual on / manual off
Sauna	ventilation exhaust only	time clock or BMS controlled	compact fluorescent	manual on / manual off
Car park area	ventilation (supply + exhaust)	carbon monoxide monitor + VSD fan	fluorescent	zoned switching with motion sensor
Lift car (No. 6)		-	light-emitting diode	connected to lift call button
Garbage rooms	ventilation exhaust only	-	fluorescent	manual on / manual off
Plant	ventilation supply only	interlocked to light	fluorescent	manual on / manual off
Pool toilets	ventilation exhaust only	interlocked to light	compact fluorescent	manual on / manual off
Podium Lobbies	ventilation supply only	time clock or BMS controlled	compact fluorescent	zoned switching with motion sensor
Carpark - Lift Lobbies	ventilation supply only	none ie. continuous	compact fluorescent	zoned switching with motion sensor

Central energy systems	Type	Specification
Central hot water system (No. 1)	gas-fired boiler	Piping insulation (ringmain & supply risers): (b) Piping internal to building: R1.0 (~38 mm)
Alternative energy supply	Photovoltaic system	Rated electrical output (min): 275 peak kW
Lift (No. 6)	gearless traction with V V V F motor	Number of levels (including basement): 5
Pool (No. 1)	Heating source: electric heat pump	Solar collector area (minimum, in square metres): Pump controlled by timer: yes
Sauna (No. 1)	Heating source: gas	Efficiency measure: manual on / timer off
Sauna (No. 2)	Heating source: gas	Efficiency measure: manual on / timer off

Notes

1. In these commitments, "applicant" means the person carrying out the development.
2. The applicant must identify each dwelling, building and common area listed in this certificate, on the plans accompanying any development application, and on the plans and specifications accompanying the application for a construction certificate / complying development certificate, for the proposed development, using the same identifying letter or reference as is given to that dwelling, building or common area in this certificate.
3. This note applies if the proposed development involves the erection of a building for both residential and non-residential purposes (or the change of use of a building for both residential and non-residential purposes). Commitments in this certificate which are specified to apply to a "common area" of a building or the development, apply only to that part of the building or development to be used for residential purposes.
4. If this certificate lists a central system as a commitment for a dwelling or building, and that system will also service any other dwelling or building within the development, then that system need only be installed once (even if it is separately listed as a commitment for that other dwelling or building).
5. If a star or other rating is specified in a commitment, this is a minimum rating.
6. All alternative water systems to be installed under these commitments (if any), must be installed in accordance with the requirements of all applicable regulatory authorities. NOTE: NSW Health does not recommend that stormwater, recycled water or private dam water be used to irrigate edible plants which are consumed raw, or that rainwater be used for human consumption in areas with potable water supply.

Legend

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 "✓" 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.
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 it is required to monitor in relation to the building or part, has been fulfilled).

RIVERFRONT APARTMENTS

330 CHURCH STREET, PARRAMATTA

FOR MERITON APARTMENTS



01 PLAN - LOCATION PLAN
APPROX. 1:5000

PROJECT DATA

SITE AREA:
+ Land area bonus

670.50M²
720.00M²

APARTMENT MIX

TYPE	PODIUM	E TOWER	W TOWER	TOTAL
STUDIO	3	5%	0	3
1 BED	18	36%	50	69
2 BED	27	54%	37	64
3 BED	0	0%	27	27
TOTAL	48	91%	114	162

PARKING SCHEDULE

LEVEL	PODIUM	PODIUM	PODIUM	PODIUM	TOTAL
PODIUM LEVEL 1	1	1	1	1	4
PODIUM LEVEL 2	1	1	1	1	4
PODIUM LEVEL 3	1	1	1	1	4
PODIUM LEVEL 4	1	1	1	1	4
TOTAL	4	4	4	4	16

STORAGE SCHEDULE

LEVEL	PODIUM	PODIUM	PODIUM	PODIUM	TOTAL
PODIUM LEVEL 1	1	1	1	1	4
PODIUM LEVEL 2	1	1	1	1	4
PODIUM LEVEL 3	1	1	1	1	4
PODIUM LEVEL 4	1	1	1	1	4
TOTAL	4	4	4	4	16

GFA TABLE - MERITON APARTMENTS

LEVEL	WEST TOWER	EAST TOWER	PODIUM	TOTAL
1-4	1,028.0	1,028.0	20	2,056.0
5-10	1,028.0	1,028.0	20	2,056.0
11-16	1,028.0	1,028.0	20	2,056.0
17-22	1,028.0	1,028.0	20	2,056.0
23-28	1,028.0	1,028.0	20	2,056.0
29-34	1,028.0	1,028.0	20	2,056.0
35-40	1,028.0	1,028.0	20	2,056.0
41-46	1,028.0	1,028.0	20	2,056.0
47-52	1,028.0	1,028.0	20	2,056.0
53-58	1,028.0	1,028.0	20	2,056.0
59-64	1,028.0	1,028.0	20	2,056.0
65-70	1,028.0	1,028.0	20	2,056.0
71-76	1,028.0	1,028.0	20	2,056.0
77-82	1,028.0	1,028.0	20	2,056.0
83-88	1,028.0	1,028.0	20	2,056.0
89-94	1,028.0	1,028.0	20	2,056.0
95-100	1,028.0	1,028.0	20	2,056.0
TOTAL GFA	102,800.0	102,800.0	2,000.0	205,600.0

DRAWING SCHEDULE

NUMBER	TITLE	SCALE
A_000	COVER SHEET/LOCATION PLAN	NTS
A_001	SITE ANALYSIS - CONTEXT PLAN	1:1000
A_006	GA PLAN - PARKING LEVEL 4	1:200
A_007	GA PLAN - PARKING LEVEL 3	1:200
A_008	GA PLAN - PARKING LEVEL 2	1:200
A_009	GA PLAN - PARKING LEVEL 1	1:200
A_010	GA PLAN - LEVEL 00 RETAIL	1:200
A_011	GA PLAN - LEVEL 01 PODIUM	1:200
A_012	GA PLAN - LEVEL 02 PODIUM	1:200
A_013	GA PLAN - LEVEL 03 PODIUM	1:200
A_014	GA PLAN - LEVEL 04 PODIUM ROOF	1:200
A_015	GA PLAN - LEVEL 05 PODIUM	1:200
A_016	GA PLAN - TYPICAL TOWER MIDDLE	1:200
A_017	GA PLAN - TYPICAL TOWER UPPER	1:200
A_018	APARTMENT PLAN - LEVEL 4	1:100
A_019	APARTMENT PLAN - LEVELS 5-27	1:100
A_020	APARTMENT PLAN - LEVELS 28-30	1:100
A_021	APARTMENT PLAN - LEVELS 31-33	1:100
A_022	APARTMENT PLAN - LEVEL 34-35	1:100
A_023	APARTMENT PLAN - LEVEL 36	1:100
A_024	APARTMENT PLAN - LEVELS 37 (POD)	1:100
A_025	APARTMENT PLAN - PODIUM LEVELS 1-3	1:100
A_026	APARTMENT PLAN - LEVEL 24-34	1:100
A_027	APARTMENT PLAN - LEVEL 35	1:100
A_028	APARTMENT PLAN - LEVEL 36	1:100
A_029	APARTMENT PLAN - PODIUM TERRACES	1:100
A_030	SITE SECTIONS	1:200
A_031	SITE ELEVATIONS - COMPILED	1:500
A_032	PODIUM - ELEVATIONS NORTH + WEST	1:200
A_033	PODIUM - ELEVATIONS SOUTH + EAST	1:200
A_034	EAST TOWER - ELEVATIONS NORTH + WEST	1:200
A_035	WEST TOWER - ELEVATIONS NORTH + EAST	1:200
A_036	DETAILED ELEVATIONS - PODIUM	1:200
A_037	DETAILED ELEVATIONS - PODIUM	1:200
A_038	DETAILED ELEVATIONS - PODIUM	1:200
A_039	DETAILED ELEVATIONS - EAST TOWER	1:200
A_040	DETAILED ELEVATIONS - WEST TOWER	1:200
A_041	DETAILED ELEVATIONS - WEST TOWER	1:200
A_042	SHADOW DIAGRAMS	1:200
A_043	SHADOW DIAGRAMS	1:200
A_044	SHADOW DIAGRAMS	1:200
A_045	ADAPTABLE PLAN SCHEDULES	1:100
A_046	COLOR AND MATERIALS BOARD	N/A

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Project: RIVERFRONT APARTMENTS
Location: 330 CHURCH STREET, PARRAMATTA
Scale: 1:500
Date: 20/07/2023

01 PLAN - LOCATION PLAN
APPROX. 1:5000

COVER

RIVERFRONT APARTMENTS
330 CHURCH STREET, PARRAMATTA
NSW 2150

Scale: 1:5000

North Arrow

Legend

- Proposed Development
- Existing Development
- Proposed Parking
- Proposed Green Space
- Proposed Pedestrian Pathway
- Proposed Bicycle Pathway
- Proposed Water Feature
- Proposed Landscaping
- Proposed Fencing
- Proposed Signage
- Proposed Lighting
- Proposed Security
- Proposed Access
- Proposed Easement
- Proposed Right of Way
- Proposed Boundary
- Proposed Survey
- Proposed Title
- Proposed Plan
- Proposed Drawing
- Proposed Document
- Proposed Project
- Proposed Program
- Proposed System
- Proposed Method
- Proposed Process
- Proposed Procedure
- Proposed Policy
- Proposed Strategy
- Proposed Plan
- Proposed Drawing
- Proposed Document
- Proposed Project
- Proposed Program
- Proposed System
- Proposed Method
- Proposed Process
- Proposed Procedure
- Proposed Policy
- Proposed Strategy

Project Information

Project Name: RIVERFRONT APARTMENTS
Location: 330 CHURCH STREET, PARRAMATTA
Scale: 1:5000
Date: 20/07/2023

Author: [Name]
Reviewer: [Name]
Checker: [Name]
Approver: [Name]

Revision History

Rev	Description	Date
1	Initial Issue	20/07/2023

Notes

1. This drawing is a location plan and should be used in conjunction with the site plan and other relevant drawings.

2. The proposed development is shown in red.

3. The existing development is shown in green.

4. The proposed parking is shown in blue.

5. The proposed green space is shown in yellow.

6. The proposed pedestrian pathway is shown in orange.

7. The proposed bicycle pathway is shown in purple.

8. The proposed water feature is shown in light blue.

9. The proposed landscaping is shown in dark green.

10. The proposed fencing is shown in brown.

11. The proposed signage is shown in black.

12. The proposed lighting is shown in white.

13. The proposed security is shown in grey.

14. The proposed access is shown in light green.

15. The proposed easement is shown in light yellow.

16. The proposed right of way is shown in light orange.

17. The proposed boundary is shown in light green.

18. The proposed survey is shown in light blue.

19. The proposed title is shown in light yellow.

20. The proposed plan is shown in light orange.

21. The proposed drawing is shown in light green.

22. The proposed document is shown in light blue.

23. The proposed project is shown in light yellow.

24. The proposed program is shown in light orange.

25. The proposed system is shown in light green.

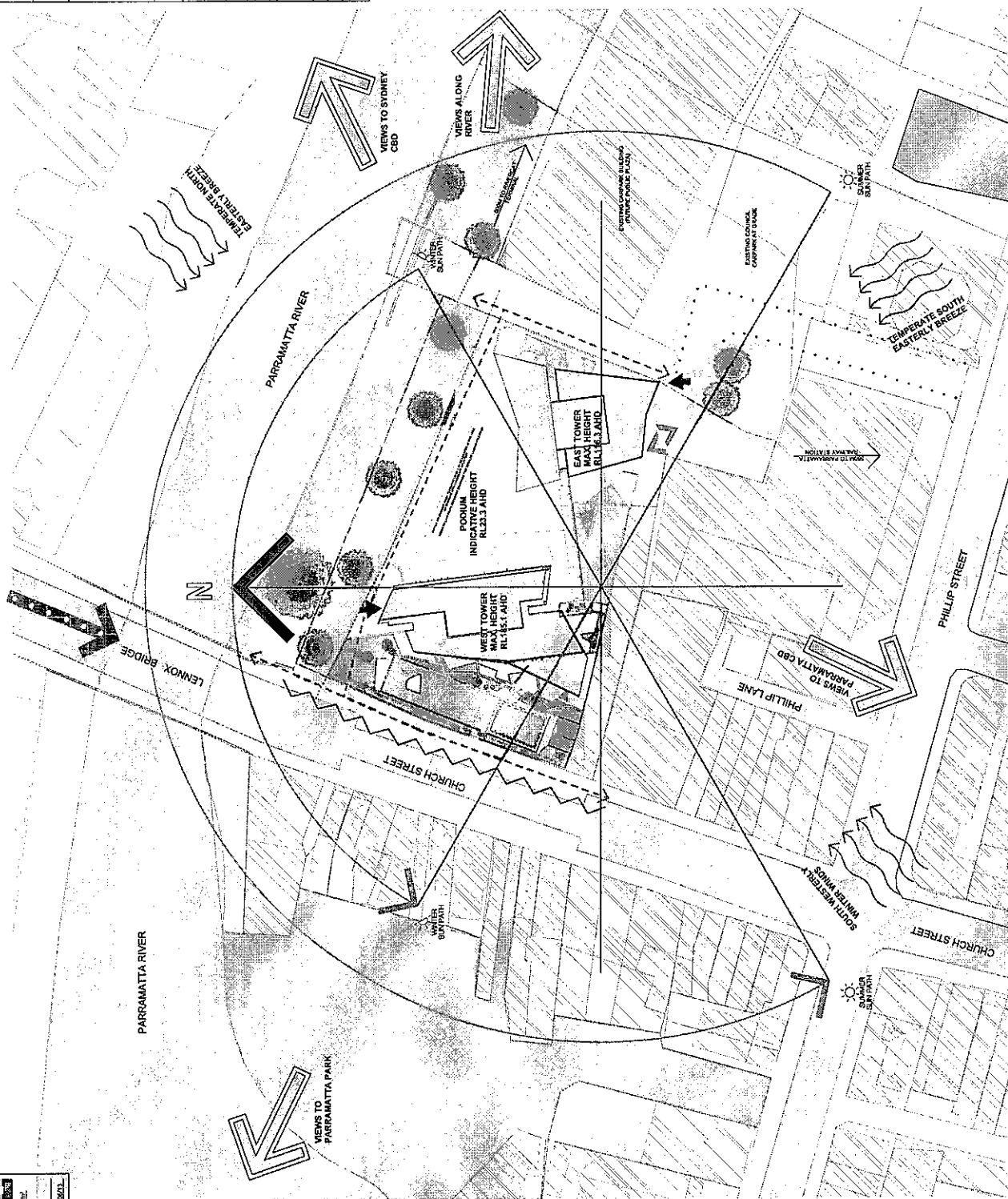
26. The proposed method is shown in light blue.

27. The proposed process is shown in light yellow.

28. The proposed procedure is shown in light orange.

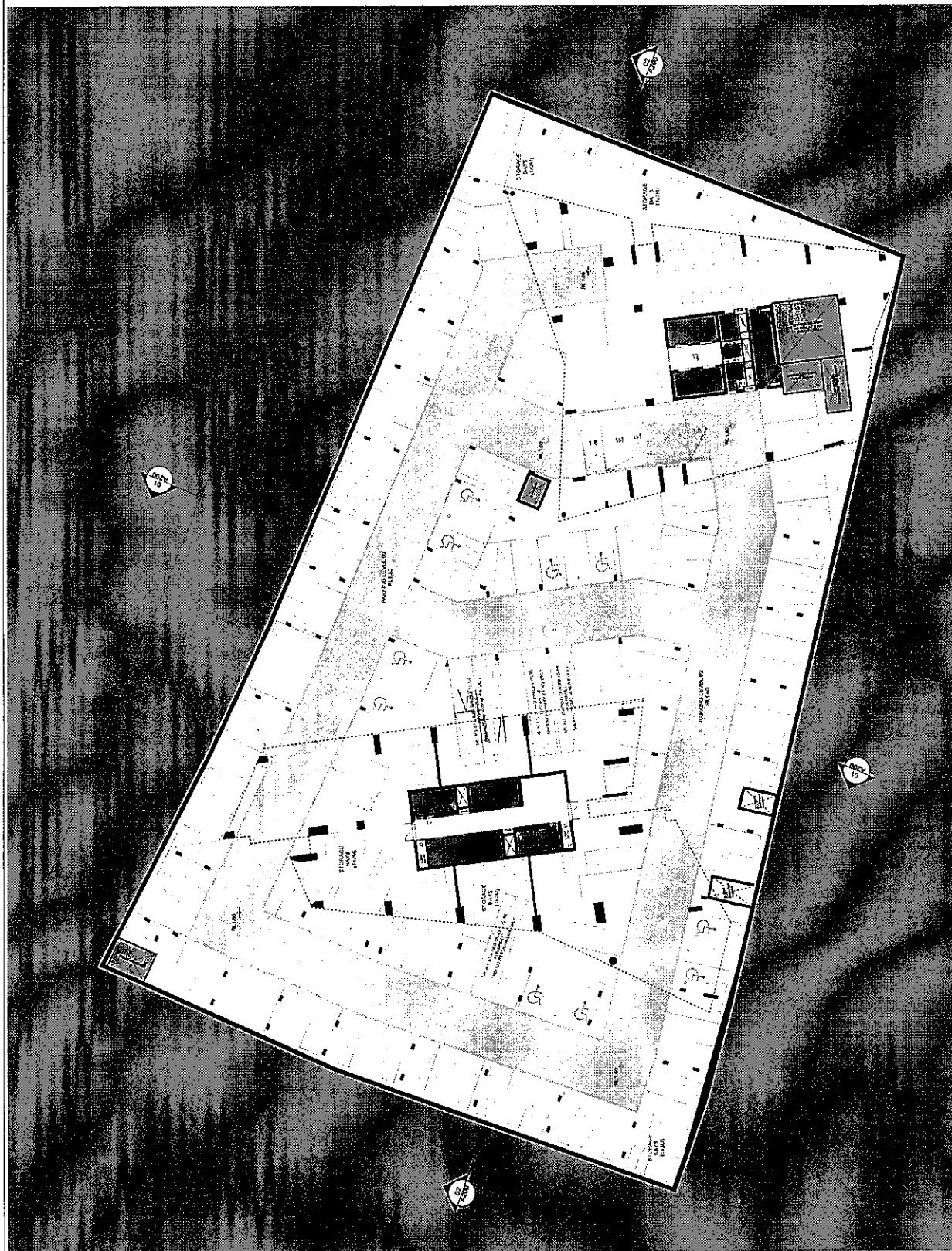
29. The proposed policy is shown in light green.

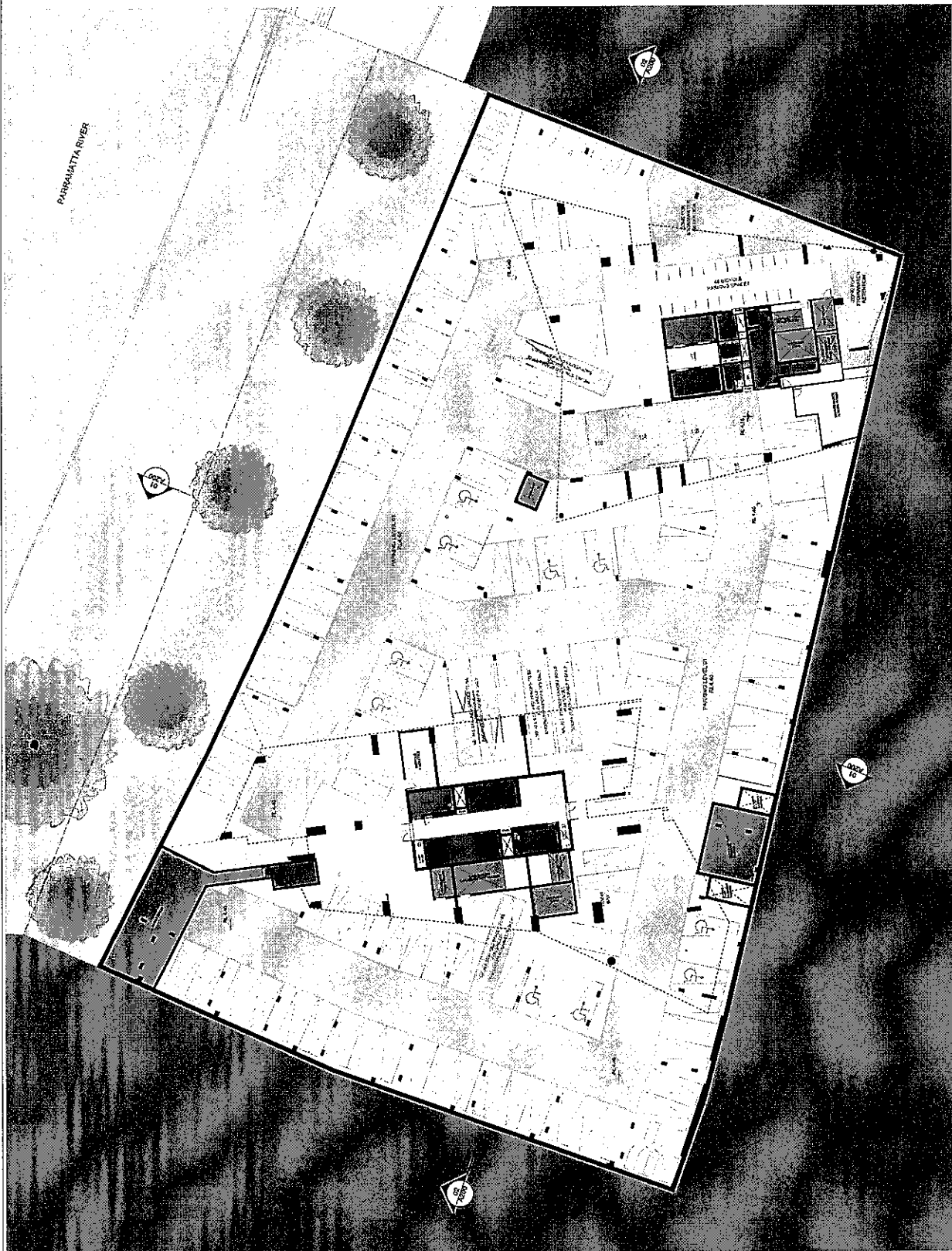
30. The proposed strategy is shown in light blue.

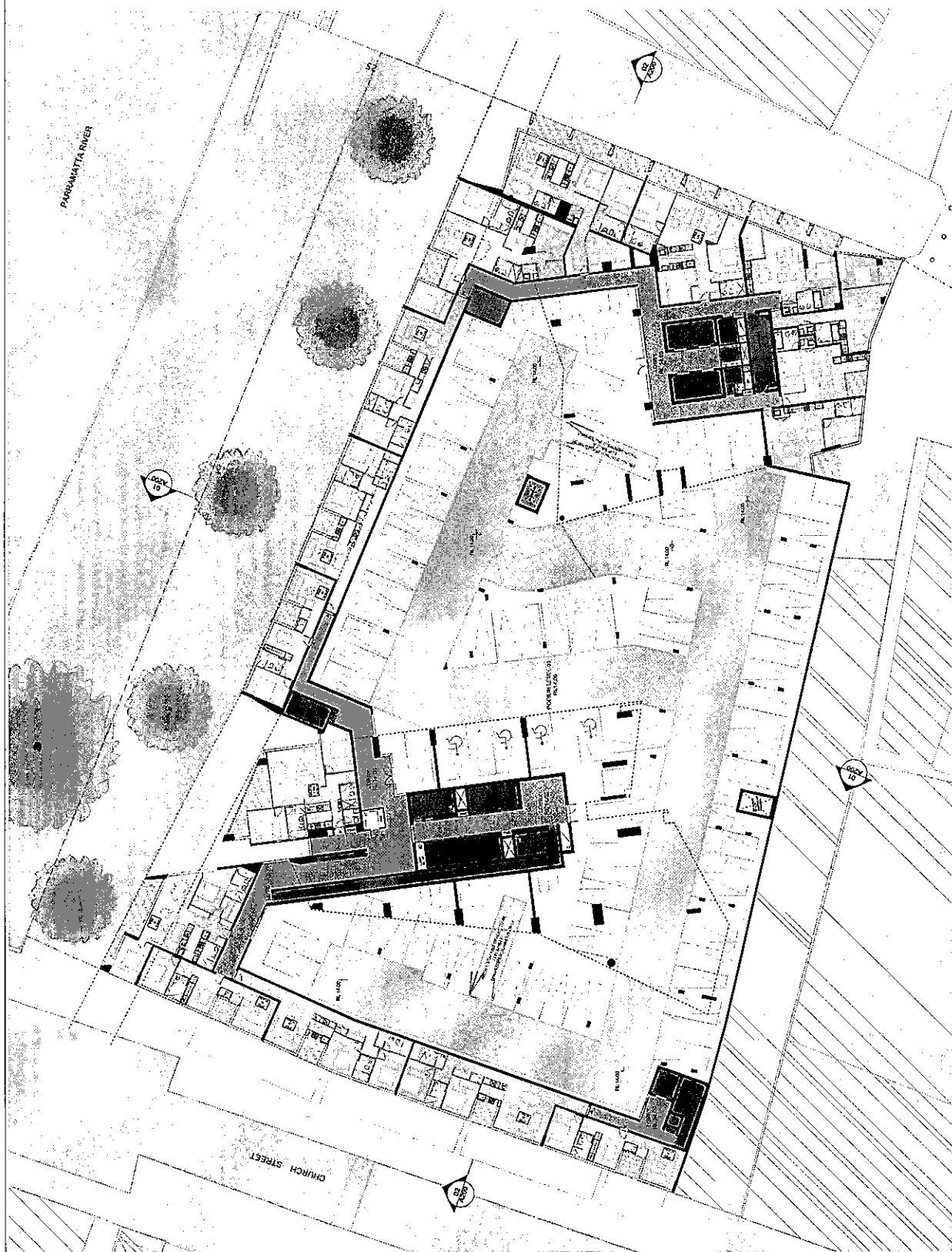


01 PLAN - SITE ANALYSIS

[illegible]

[illegible]

[illegible]

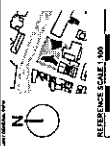


01) PLAN - LEVEL 01 PODIUM

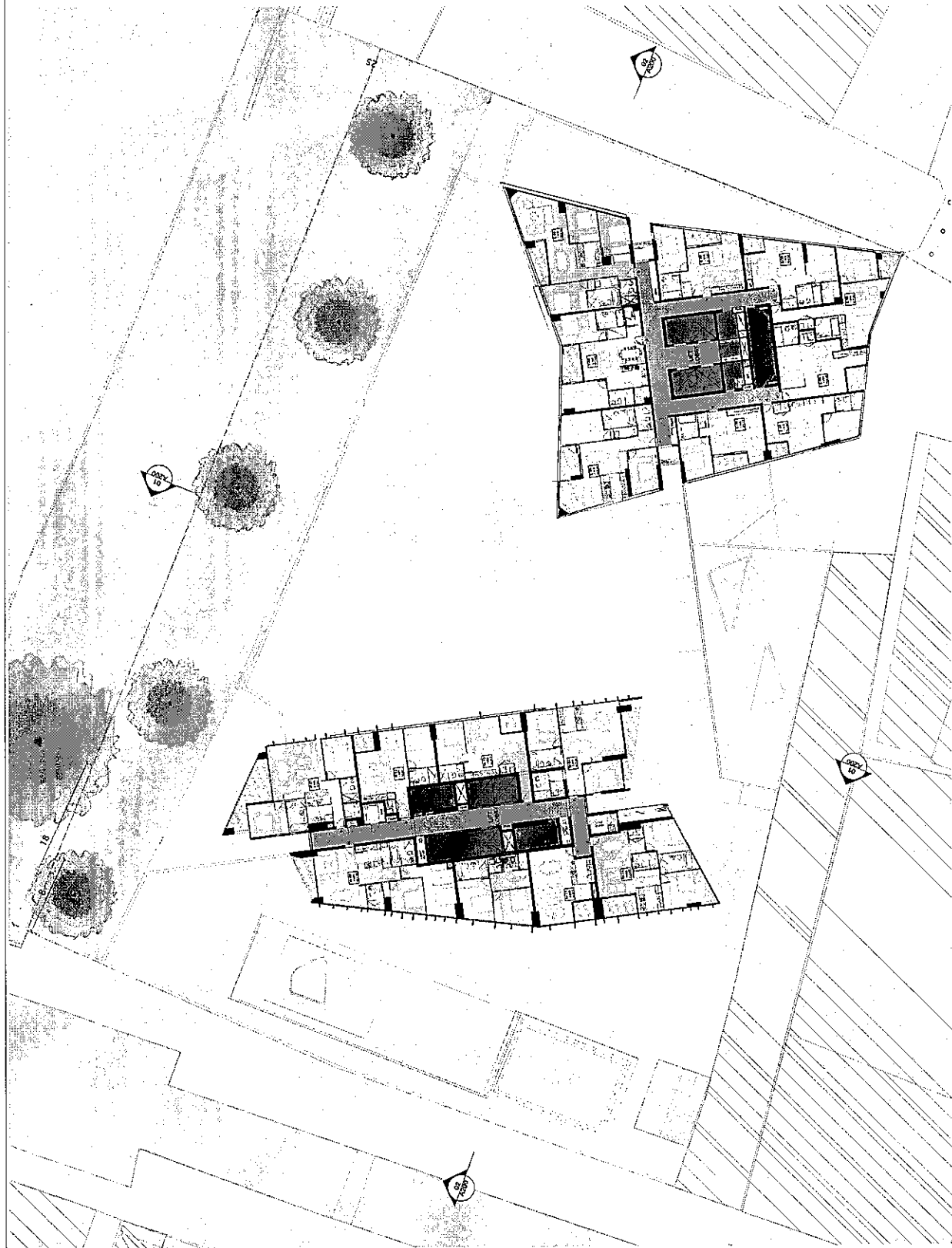
SPECIAL LEADS	LEADS (NAME, ADDRESS)	PC
1	1. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC1
2	2. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC2
3	3. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC3
4	4. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC4
5	5. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC5
6	6. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC6
7	7. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC7
8	8. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC8
9	9. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC9
10	10. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC10
11	11. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC11
12	12. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC12
13	13. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC13
14	14. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC14
15	15. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC15
16	16. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC16
17	17. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC17
18	18. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC18
19	19. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC19
20	20. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC20
21	21. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC21
22	22. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC22
23	23. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC23
24	24. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC24
25	25. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC25
26	26. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC26
27	27. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC27
28	28. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC28
29	29. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC29
30	30. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC30
31	31. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC31
32	32. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC32
33	33. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC33
34	34. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC34
35	35. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC35
36	36. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC36
37	37. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC37
38	38. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC38
39	39. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC39
40	40. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC40
41	41. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC41
42	42. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC42
43	43. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC43
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46	46. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC46
47	47. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC47
48	48. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC48
49	49. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC49
50	50. HARRIS, JAMES E. 10000 W. 10TH AVE. DENVER, CO 80231	PC50

[illegible]

NAME	DATE	TIME	LOCATION	REMARKS
1. NAME	2. DATE	3. TIME	4. LOCATION	5. REMARKS
6. NAME	7. DATE	8. TIME	9. LOCATION	10. REMARKS
11. NAME	12. DATE	13. TIME	14. LOCATION	15. REMARKS
16. NAME	17. DATE	18. TIME	19. LOCATION	20. REMARKS
21. NAME	22. DATE	23. TIME	24. LOCATION	25. REMARKS
26. NAME	27. DATE	28. TIME	29. LOCATION	30. REMARKS
31. NAME	32. DATE	33. TIME	34. LOCATION	35. REMARKS
36. NAME	37. DATE	38. TIME	39. LOCATION	40. REMARKS
41. NAME	42. DATE	43. TIME	44. LOCATION	45. REMARKS
46. NAME	47. DATE	48. TIME	49. LOCATION	50. REMARKS
51. NAME	52. DATE	53. TIME	54. LOCATION	55. REMARKS
56. NAME	57. DATE	58. TIME	59. LOCATION	60. REMARKS
61. NAME	62. DATE	63. TIME	64. LOCATION	65. REMARKS
66. NAME	67. DATE	68. TIME	69. LOCATION	70. REMARKS
71. NAME	72. DATE	73. TIME	74. LOCATION	75. REMARKS
76. NAME	77. DATE	78. TIME	79. LOCATION	80. REMARKS
81. NAME	82. DATE	83. TIME	84. LOCATION	85. REMARKS
86. NAME	87. DATE	88. TIME	89. LOCATION	90. REMARKS
91. NAME	92. DATE	93. TIME	94. LOCATION	95. REMARKS
96. NAME	97. DATE	98. TIME	99. LOCATION	100. REMARKS

[illegible]

PROJECT: RIVERFRONT APARTMENTS 300 S. JACKSON AVENUE CHICAGO, IL 60604 OWNER: A101	UNIT: 1306 DATE: 04/01/13 APR DATE: 04/01/13 APR TYPE: Y
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01 PLAN - TYPICAL TOWER MIDDLE

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 FAX: 212 691 1001
 WWW.MERTONARCH.COM

NO.	REVISION	DATE	BY	CHKD	APPD
1	ISSUED FOR PERMIT	01/10/10	MM	MM	MM
2	REVISION	01/10/10	MM	MM	MM
3	REVISION	01/10/10	MM	MM	MM
4	REVISION	01/10/10	MM	MM	MM
5	REVISION	01/10/10	MM	MM	MM

NO.	REVISION	DATE	BY	CHKD	APPD
1	ISSUED FOR PERMIT	01/10/10	MM	MM	MM
2	REVISION	01/10/10	MM	MM	MM
3	REVISION	01/10/10	MM	MM	MM
4	REVISION	01/10/10	MM	MM	MM
5	REVISION	01/10/10	MM	MM	MM

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NO.	REVISION	DATE	BY	CHKD	APPD
1	ISSUED FOR PERMIT	01/10/10	MM	MM	MM
2	REVISION	01/10/10	MM	MM	MM
3	REVISION	01/10/10	MM	MM	MM
4	REVISION	01/10/10	MM	MM	MM
5	REVISION	01/10/10	MM	MM	MM

SPECIAL ORDER	STANDARD ORDER
1. ALL ORDERS MUST BE ACCOMPANIED BY CHECKS OR MONEY ORDER TO BE IN FULL PAYMENT. 2. ALL ORDERS MUST BE PREPAID IN FULL. 3. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 4. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 5. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 6. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 7. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 8. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 9. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 10. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE.	1. ALL ORDERS MUST BE ACCOMPANIED BY CHECKS OR MONEY ORDER TO BE IN FULL PAYMENT. 2. ALL ORDERS MUST BE PREPAID IN FULL. 3. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 4. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 5. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 6. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 7. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 8. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 9. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE. 10. ALL ORDERS MUST BE SHIPPED TO THE ADDRESS ON FILE.

GENERAL LEGEND

ALL ARCHITECTURAL DIMENSIONS AND DOCUMENTS TO BE READ IN CONJUNCTION WITH OTHER COMBUSTIBLE DIMENSIONS AND REPORTS FOR ALL INTERNAL LEVELS REFER LAMINAR DIMENSIONS.

IF THERE ARE DIMENSIONS ONLY - DO NOT SCALE FROM DIMENSIONS. IF THERE ARE DIMENSIONS ONLY - DO NOT SCALE FROM DIMENSIONS. IF THERE ARE DIMENSIONS ONLY - DO NOT SCALE FROM DIMENSIONS.

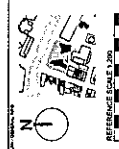
COMPONENT TOWN AND ARCHITECTURE

DIGITAL FILES ARE USED FOR BE OBSERVATION ONLY. CHANGES MUST NOT

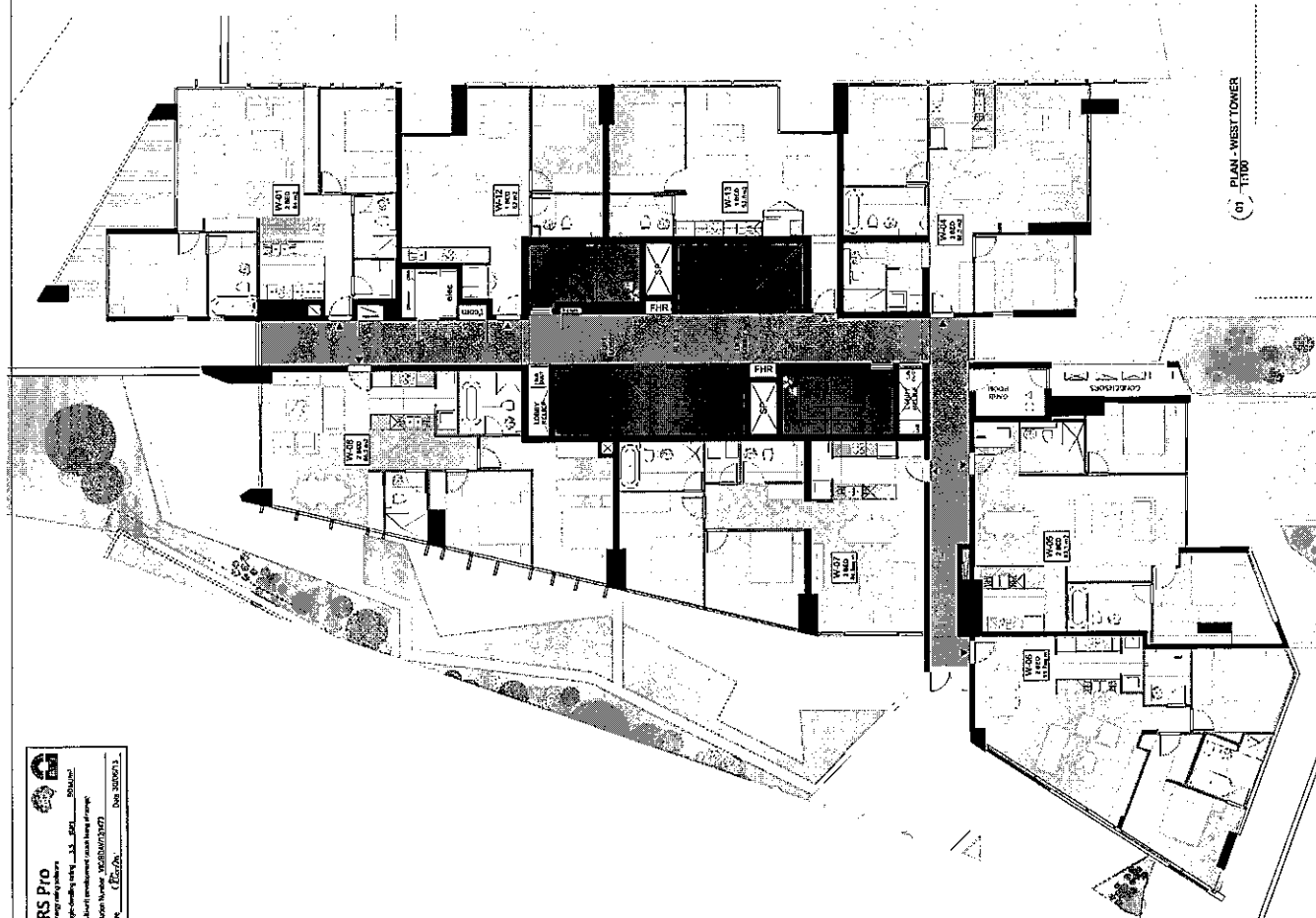
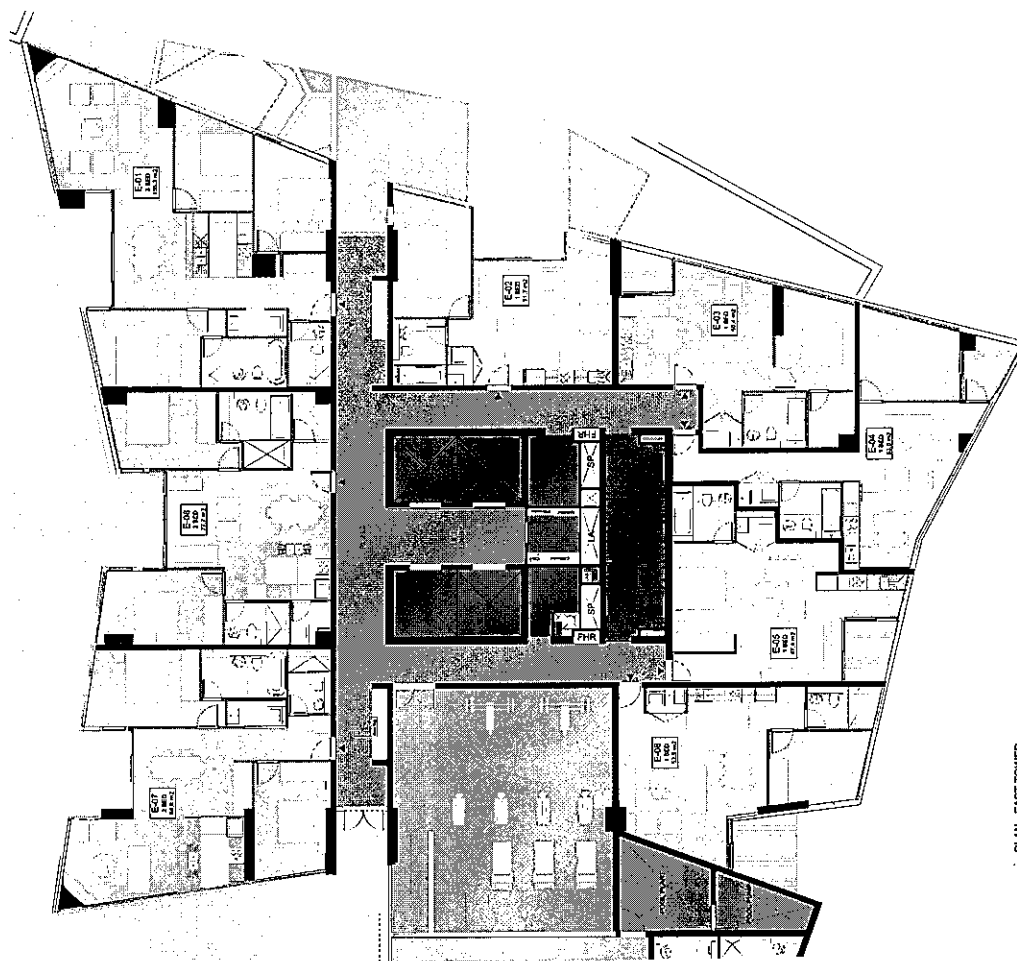
[illegible]

Field	Value	Field	Value
NAME	JOHN DOE	DATE OF BIRTH	1980-01-01
ADDRESS	123 Main St, New York, NY 10001	PHONE	(212) 555-1234
EMAIL	john.doe@example.com	WEBSITE	http://www.johndoe.com
EMPLOYER	ABC Corporation	POSITION	Software Engineer
EDUCATION	B.S. Computer Science, NYU	DEGREE	Bachelor of Science
SKILLS	Python, JavaScript, Java, C++, SQL	TOOLKIT	Git, Docker, Kubernetes
HOBBIES	Reading, Hiking, Gardening	SPORTS	Tennis, Soccer
RELIGION	Catholic	POLITICAL	Liberal
LANGUAGES	English, Spanish	FLUENCY	Fluent in English, Basic in Spanish
TRAVEL	Europe, Asia, Africa	TRAVELER	Yes
VEHICLE	2015 Toyota Camry	VEHICLE	Yes
PROPERTY	100 Main St, New York, NY 10001	PROPERTY	Yes
INCOME	\$50,000 per year	INCOME	Yes
DEBT	None	DEBT	Yes
CRIMINAL	None	CRIMINAL	Yes
RECORD	None	RECORD	Yes
STATUS	Single	STATUS	Yes
RELATIONSHIP	None	RELATIONSHIP	Yes
CHILDREN	None	CHILDREN	Yes
PARENTS	None	PARENTS	Yes
SIBLINGS	None	SIBLINGS	Yes
GRANDPARENTS	None	GRANDPARENTS	Yes
OTHER	None	OTHER	Yes

DO NOT SCALE OUT 7-45 DRAINING, USE FLIGHTED
EMERGENCY ONLY. 1. VERIFY ALL ONE-GUANT ON
SITE AND RESCUE ALL TRAPPED ANIMALS BEFORE
PROCEEDING TO THE NEXT STEP. 2. IF THE
ON THE DEBRIS IS EXPOSED, REMAIN THE PROPERTY
OF THE CITY AND ARCHITECTURAL BUILDER TO
EXAMINE, TEST, AND VERIFY BITE CONTAMINATING
PERSON TO CONTACT WITHIN 24 HOURS. 3. IF
EVIDENCE IS FOUND, CALL THE CITY OF
CHICAGO AND REPORT ALL ARCHITECTURAL
OTHER ARCHITECTURAL, FACTUAL, AND OTHER
AND SPECIFICALLY, ALL ARCHITECTURAL
DRAWINGS AND DOCUMENTS TO BE READ IN

[illegible]

RIVERFRONT APARTMENTS 535 CHAMBERS STREET MANHATTAN, NY	A107 Plan_Typical Tower Upper
--	--

01 PLAN - WEST TOWER
1:100

02' PLAN - EAST TOWER
1:100

A 2004 J.D. Power survey
 ranked Meritor's commercial
 vehicle maintenance
 programs as the industry's
 most effective.


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[illegible]

14-00000 14-00000

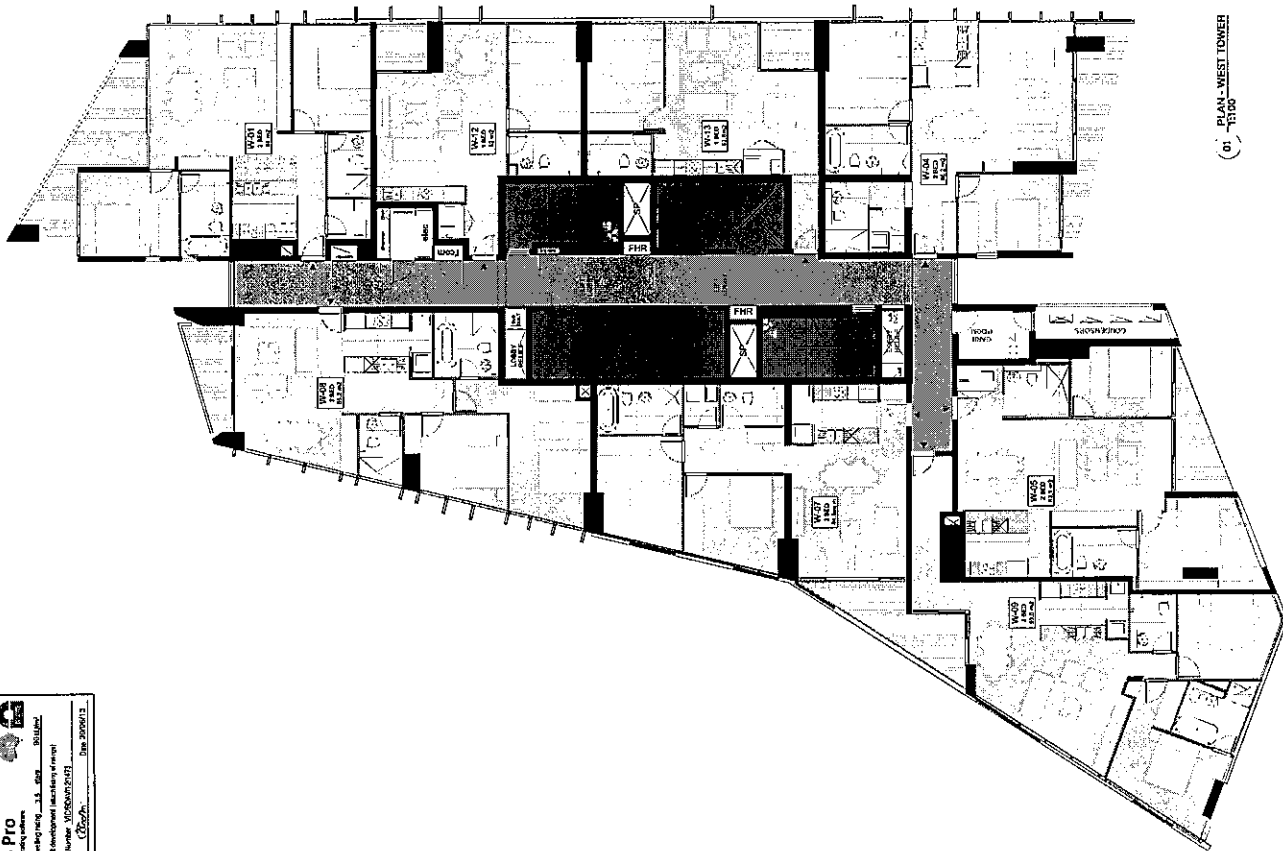
[illegible]

DO NOT SCALE OFF THIS MARKING. USE FOLLOWING INFORMATION ONLY. VERIFY ALL DIMENSIONS ON THIS AND REVERSE SIDE OF EACH SHEET BEFORE CUTTING. THIS MARKING IS NOT TO BE USED FOR THE DIMENSIONS INDICATED. RETURN THE PROPERTY TO TONY GARD AND SONS, INC. IN ORDER TO REAMAKE, SITE AND VERIFY SITE CONDITIONS PRIOR TO COMMENCING WORK. BUILDER TO CONFIRM BUILDING BEING PRIOR TO COMMENCING WORK. ALL ARCHITECTURAL CHANGES AND MODIFICATIONS TO BE MADE BY OWNER. ALL DIMENSIONS TO FACE UNLESS OTHERWISE INDICATED. ALL ARCHITECTURAL AND INTERIOR FINISHES TO BE AS NOTED IN DRAWINGS AND DOCUMENTS TO BE NOTED IN

DESIGNED AND SPECIFICATION. BLUNDER TO BE SUBMITTED TO THE ARCHITECT AS REQUIRED BY THE CONTRACT. ALL REQUESTS FOR INFORMATION ONLY, CHANGES ARE NOT TO BE MADE TO ANY DOCUMENTATION WITHOUT THE ARCHITECT'S WRITTEN APPROVAL. THE ARCHITECT'S RESPONSIBILITY FOR THE ELECTRONIC TRANSMISSION, DELIVERY OR ACCEPTANCE OF INFORMATION SHALL BE LIMITED TO THE DISTANCE FROM THE PROJECT'S LOCATION. FOR ALL EXTERNAL LEVELS REFER TO LANDSCAPE ARCHITECT'S DRAWINGS.

PLAN 1 RIVERFRONT APARTMENTS 333 CHURCH STREET PHOENIX, AZ 85004	Plan Level 4
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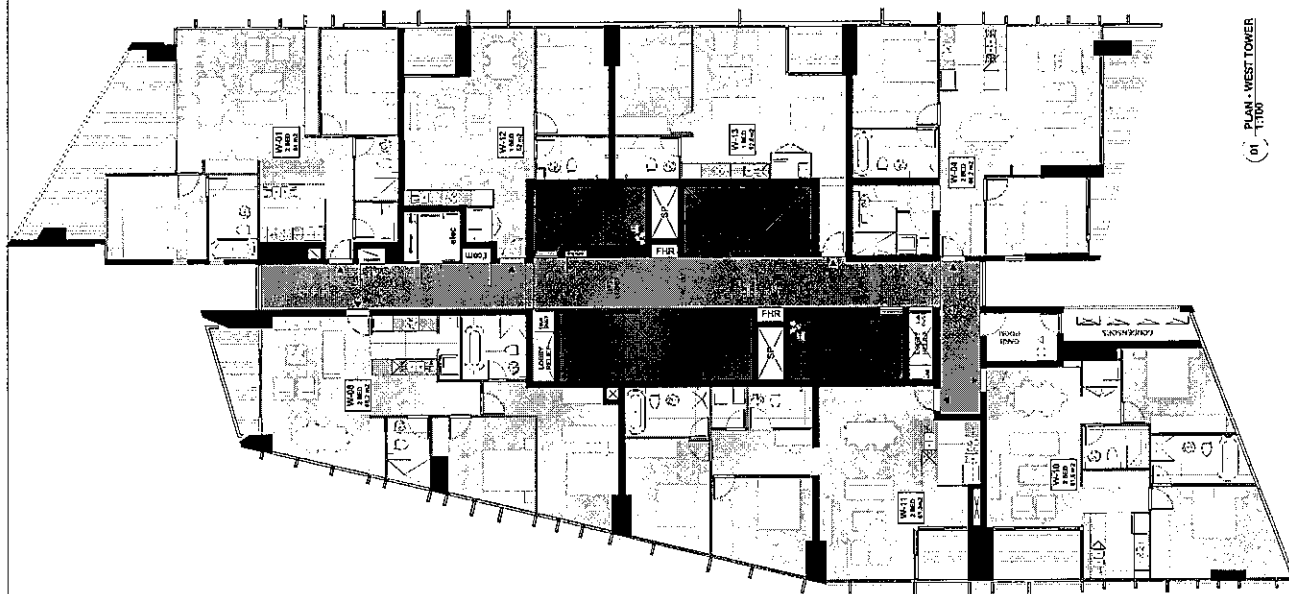
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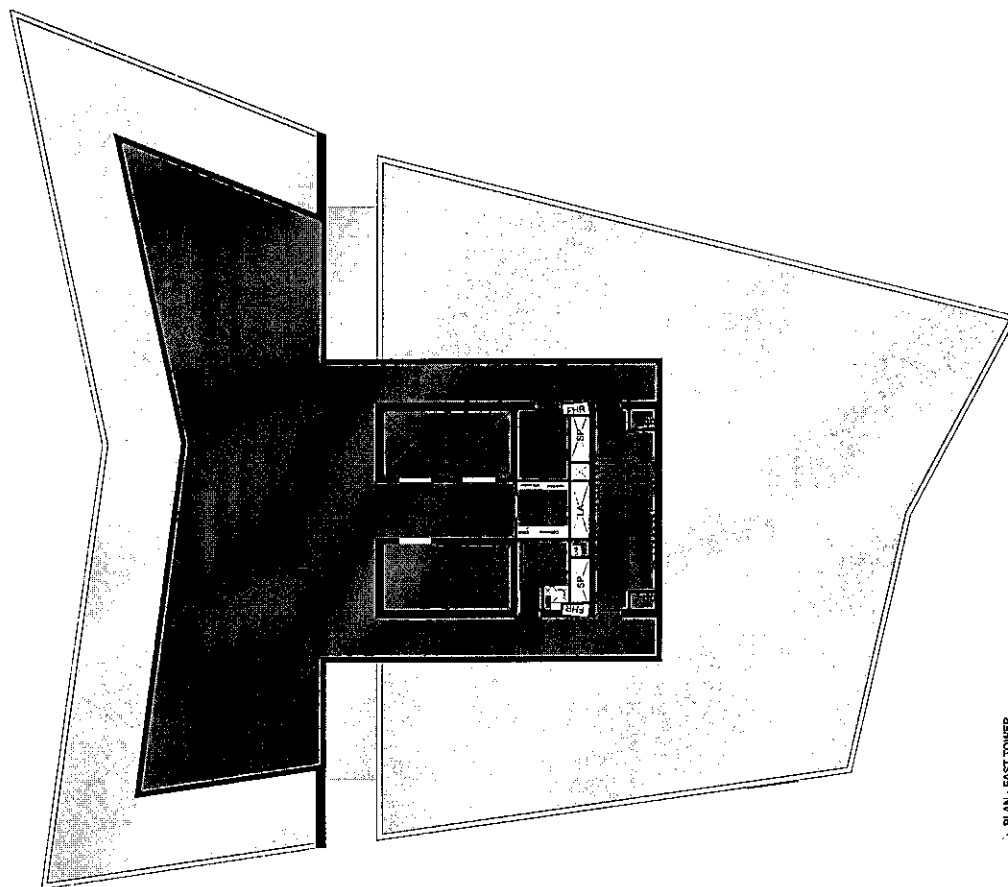
01 PLAN - WEST TOWER
 1/100



02 PLAN - EAST TOWER
 1/100



01 PLAN - WEST TOWER
T:100



02 PLAN - EAST TOWER
1:100

[illegible]

Year	Country	Population (millions)	Urban population (millions)	Urban population (%)
1970	United States	205	115	56
1970	France	54	34	63
1970	Germany	61	40	66
1970	Japan	106	75	71
1970	Italy	56	38	68
1970	Sweden	8.5	5.5	65
1970	Switzerland	3.5	2.5	71
1970	Netherlands	16	11	69
1970	Belgium	9.5	6.5	68
1970	Australia	12	7	58
1970	Canada	24	14	58
1970	South Africa	21	12	57
1970	Spain	29	15	52
1970	Portugal	10	5	50
1970	Greece	11	5	45
1970	Turkey	20	10	50
1970	India	540	150	28
1970	China	700	100	14
1970	USSR	240	100	42
1970	Latin America	350	100	29
1970	Sub-Saharan Africa	300	50	17
1970	North Africa	150	50	33
1970	Middle East	150	50	33
1970	Asia (excl. China)	150	50	33
1970	Oceania	20	10	50
1970	World	3700	1000	27

POLYMER LETTERS

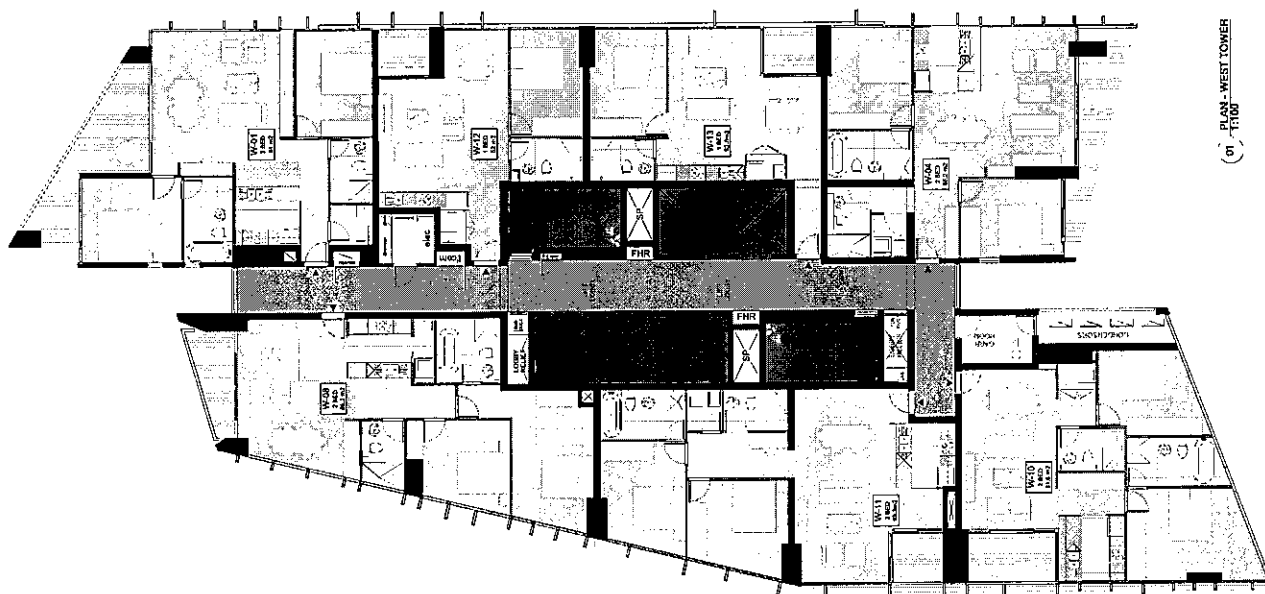
[illegible][illegible]

DO NOT SCALE OFF THIS DRAWING. USE FOOTING OR DIMENSIONAL ONLY. VERIFY ALL DIMENSIONS ON SITE AND RESOLVE ANY DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL DIMENSIONS AND FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

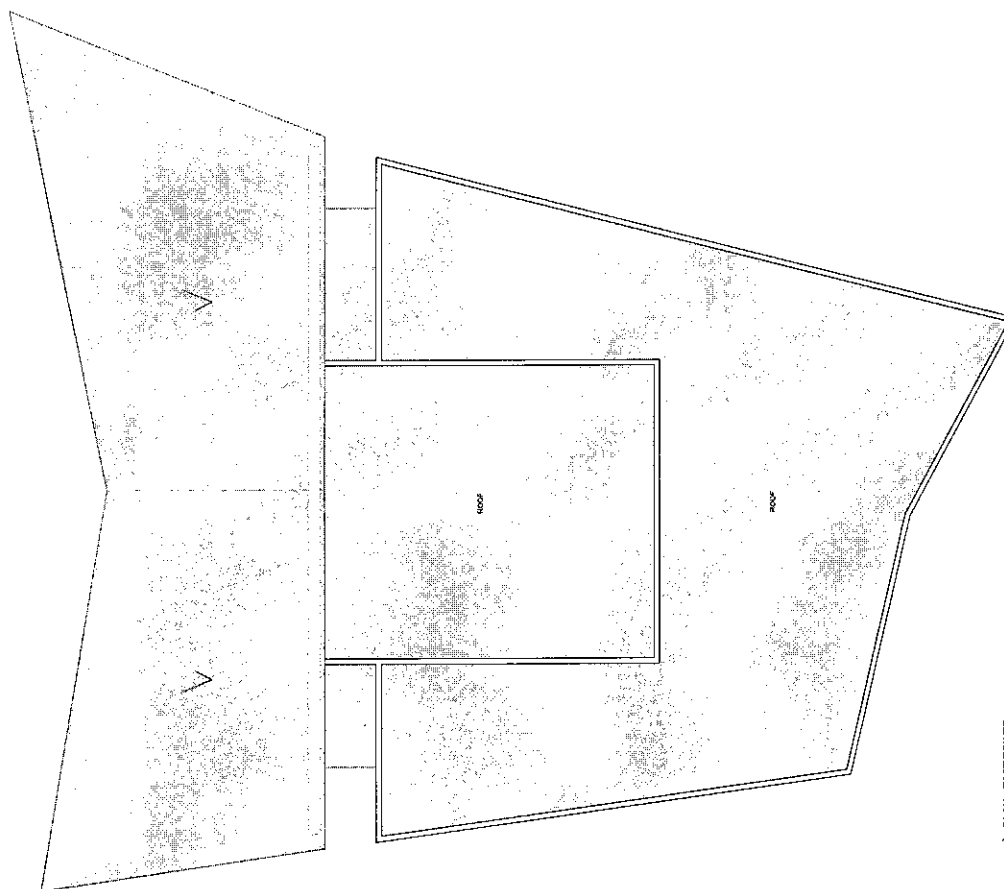
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RIVERFRONT APARTMENTS
 332 CHURCH STREET
 BOSTON, MA 02109

NAME	1:500	POST CODE	AS	STATION	DATE	REMARKS
DATE	10/01/2011	TIME	10:00	10:00	10:00	10:00
DATE	10/01/2011	TIME	10:00	10:00	10:00	10:00
DATE	10/01/2011	TIME	10:00	10:00	10:00	10:00

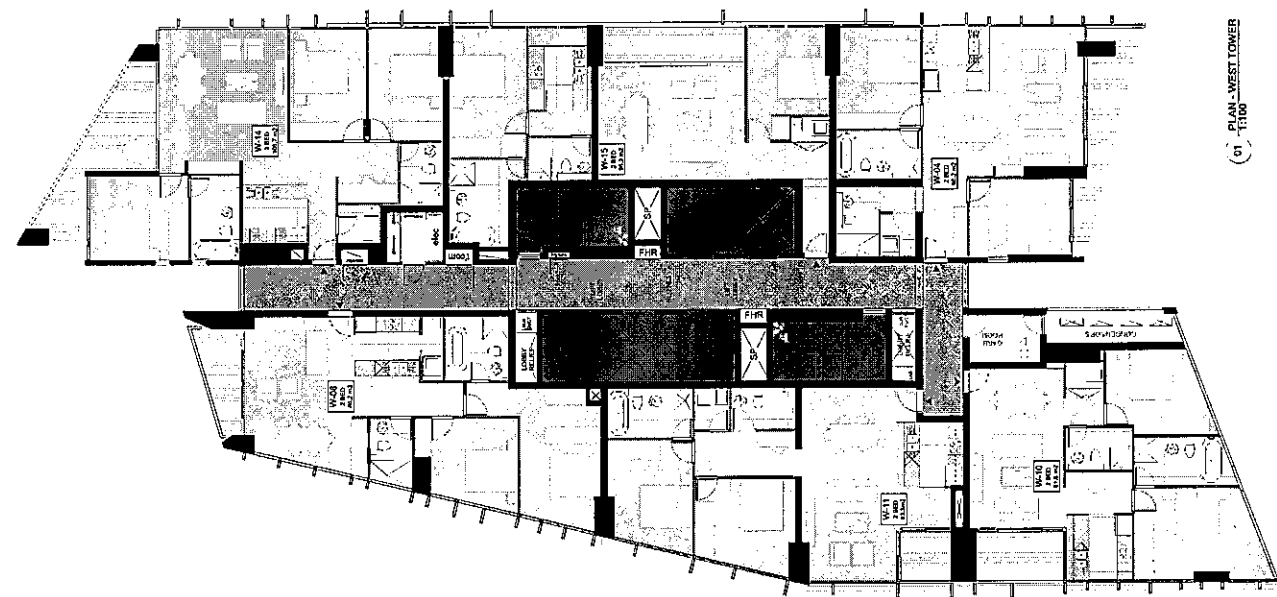


01 PLAN - WEST TOWER
T:100



02 PLAN - EAST TOWER
1:100

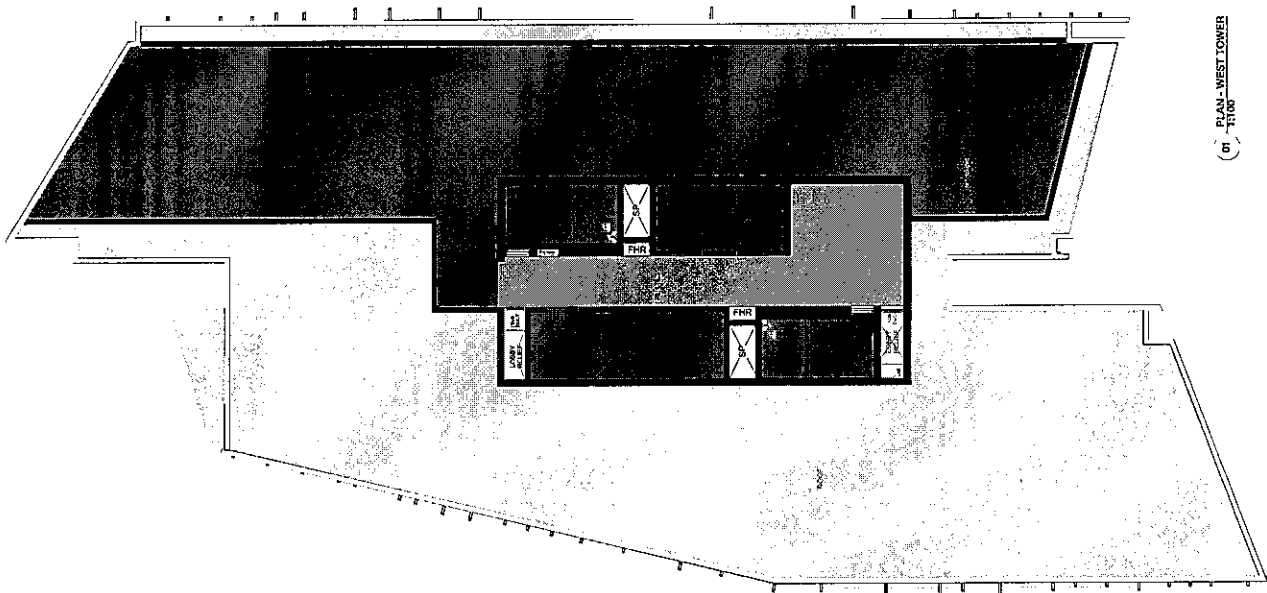
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01 PLAN - WEST TOWER
 1:100



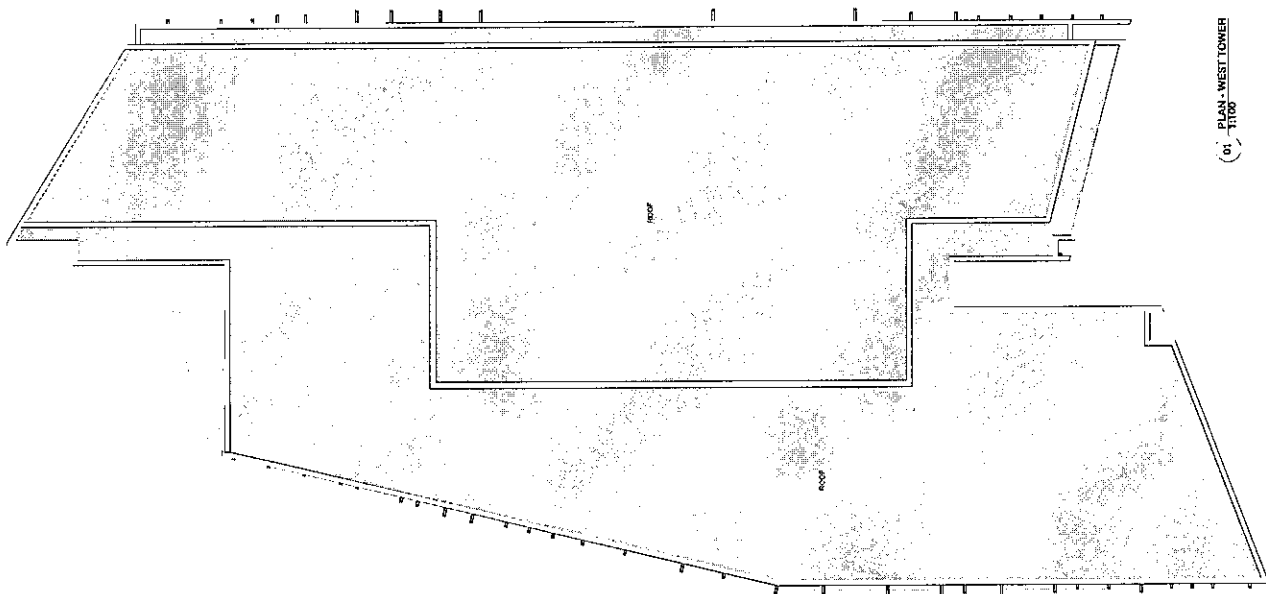
02 PLAN - EAST TOWER
 1:100



01 PLAN - WEST TOWER
 1/100



02 PLAN - EAST TOWER
 1/100



(01) PLAN - WEST TOWER
T:100

02 PLAN - EAST TOWER
1:100

MERITON
MERITON ASSURANCE
CORPORATION
500 WEST STREET, SYDNEY
NSW 2009 AUSTRALIA
www.meriton.com.au

Year	Estimated Number Per Affected Person	Estimated Number Per Affected Person
1990	100,000	100,000
1991	100,000	100,000
1992	100,000	100,000
1993	100,000	100,000
1994	100,000	100,000
1995	100,000	100,000
1996	100,000	100,000
1997	100,000	100,000
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2076	100,000	100,000
2077	100,000	100,000
2078	100,000	100,000
2079	100,000	100,000
2080	100,000	100,000
2081	100,000	100,000
2082	100,000	100,000
2083	100,000	100,000

1

Company	Product	Product Description
LANCASHIRE	GLANSTON & ASSOC. SUN EARTH 7111 Elm	polyethylene membrane composite
ST. FRANCIS	LABORLIN DEBET 7111 Elm	polyethylene membrane composite
WINDHOLM	794 794 794 794	

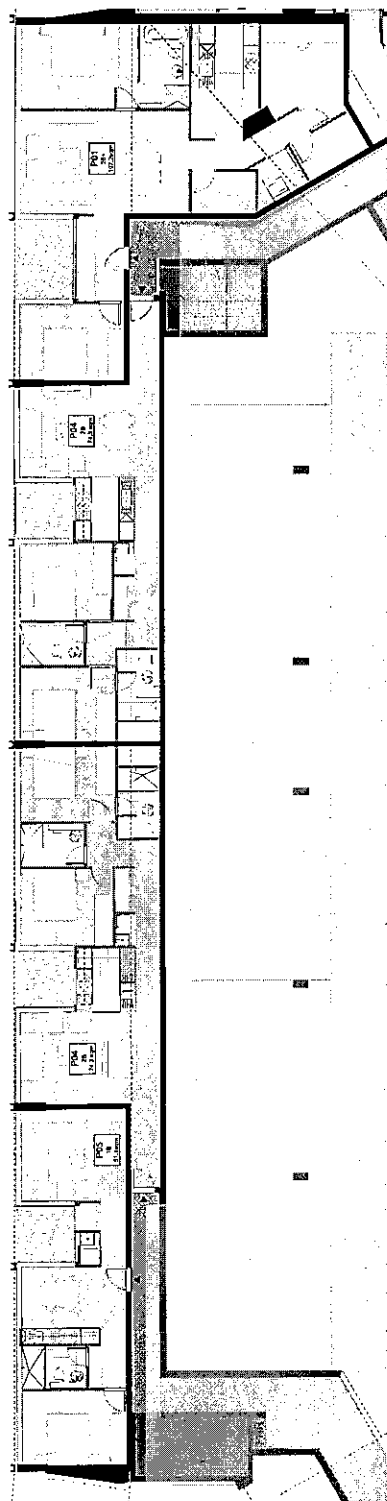
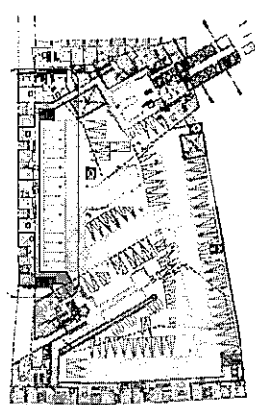
[illegible][illegible]

CHANGE AND SPECIFICATIONS, BLUNDER TO ALLOW FOR DEFLECTION TO ALL SLABS AS REQUIRED TO STRUCTURAL ENGINEERS. SPECIFICATION, CAD DOCUMENTS ARE ISSUED FOR INFORMATION ONLY. CHANGES ARE NOT TO BE MADE TO ANY DOCUMENTATION WITHOUT THE ARCHITECT'S WRITTEN APPROVAL. TCA TABLES ARE SUPPLEMENTED BY THE ELECTRICAL, MECHANICAL, DATA, MEMPHIS, ACCURACY OF THESE DOCUMENTS, AND A FIVE, AT NEARLY THE SAME LEVEL FROM FINISHED FLOOR LEVEL. FOR ALL EXTERNAL LEVELS REFER TO LANDSCAPE ARCHITECT'S DRAWING 14.

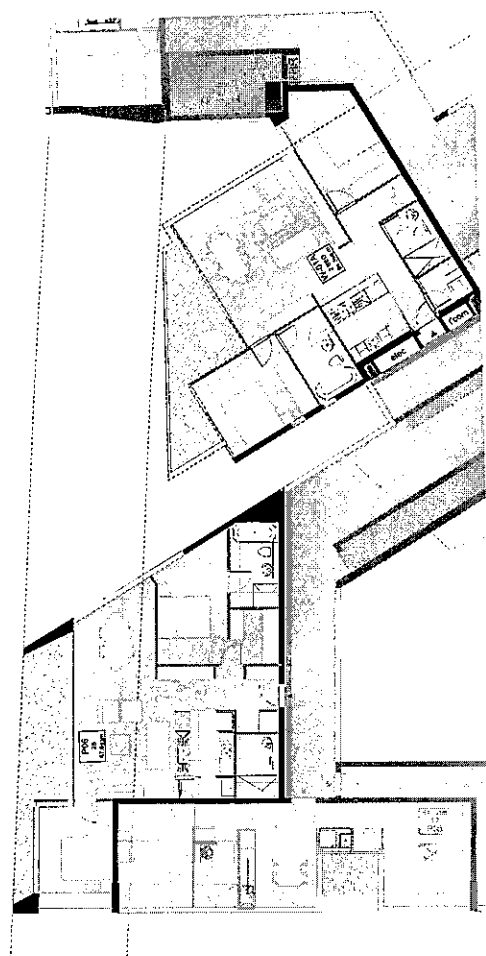
Hand-drawn map showing a residential area with various buildings and a road. A north arrow is present, pointing upwards. A scale bar indicates a distance of 150 feet.

Plan_Level 55 Roof

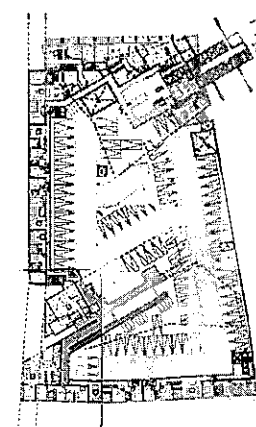
1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358</
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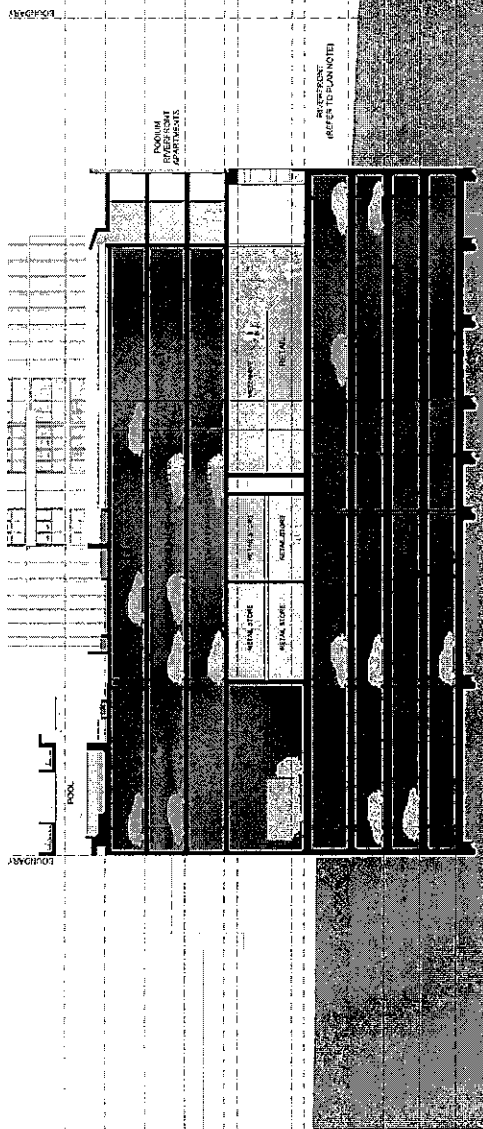


01, PLAN - PODIUM LEVELS 1-3
1:100

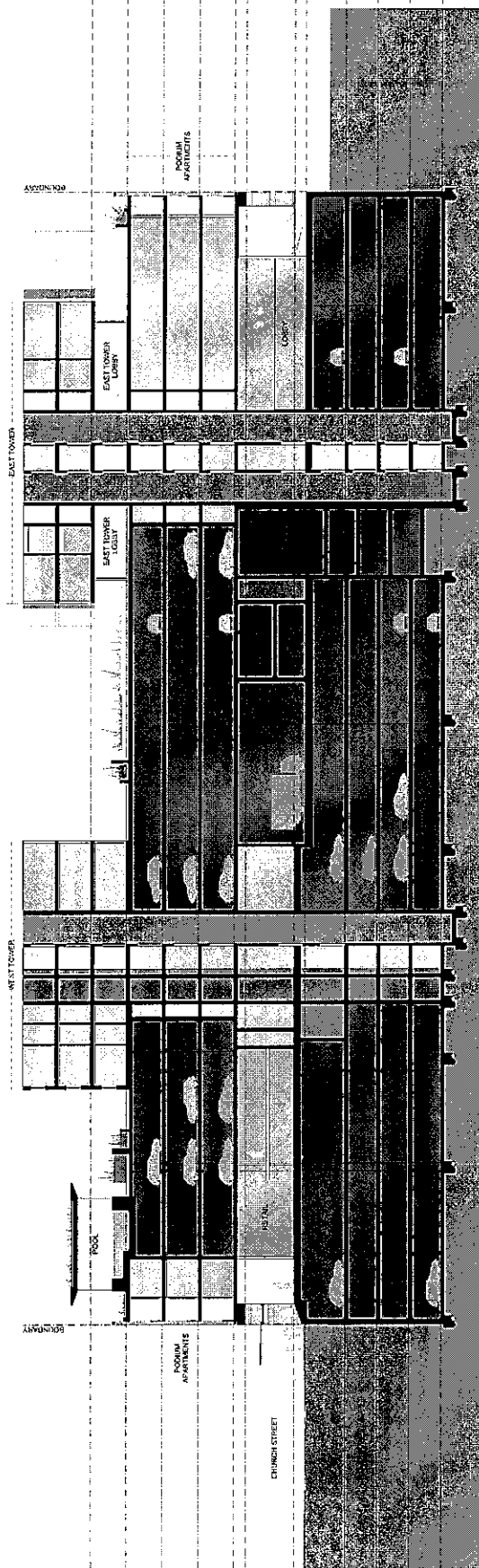


02 PLAN - PODIUM LEVELS 1-3
1:100





01 - SHORT SECTION LOOKING WEST
1:200 @ 1



02 LONG SECTION LOOKING NORTH
1:200 (BA1)

	RESIDENTIAL		COMMERCIAL/RETAIL		PARKING/GARAGE DOCK		HORIZONTAL CIRCULATION
	RESIDENTIAL LOBBY		COMMERCIAL/RETAIL STORE		SERVICES		VERTICAL CIRCULATION

Y MERITON
PROPERTY MANAGEMENT

ACQUITTION APARTMENTS
 1200 WEST 10TH AVENUE
 1200 WEST 10TH ST, SUITE 1000

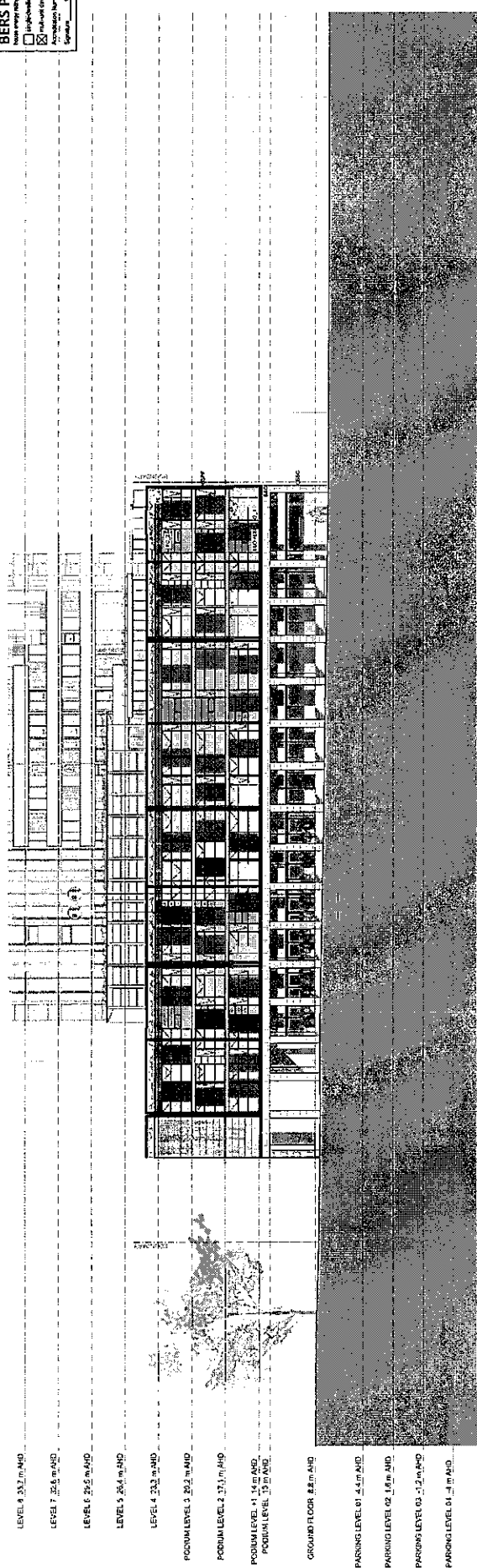
PH: 772-222-1111

TONY GARDINER/CELESTINE PYSLYD
 LEVEL 1, 13 OLIVE ST, MAJORS POINT
 13 OLIVE ST, MAJORS POINT
 13 OLIVE ST, MAJORS POINT

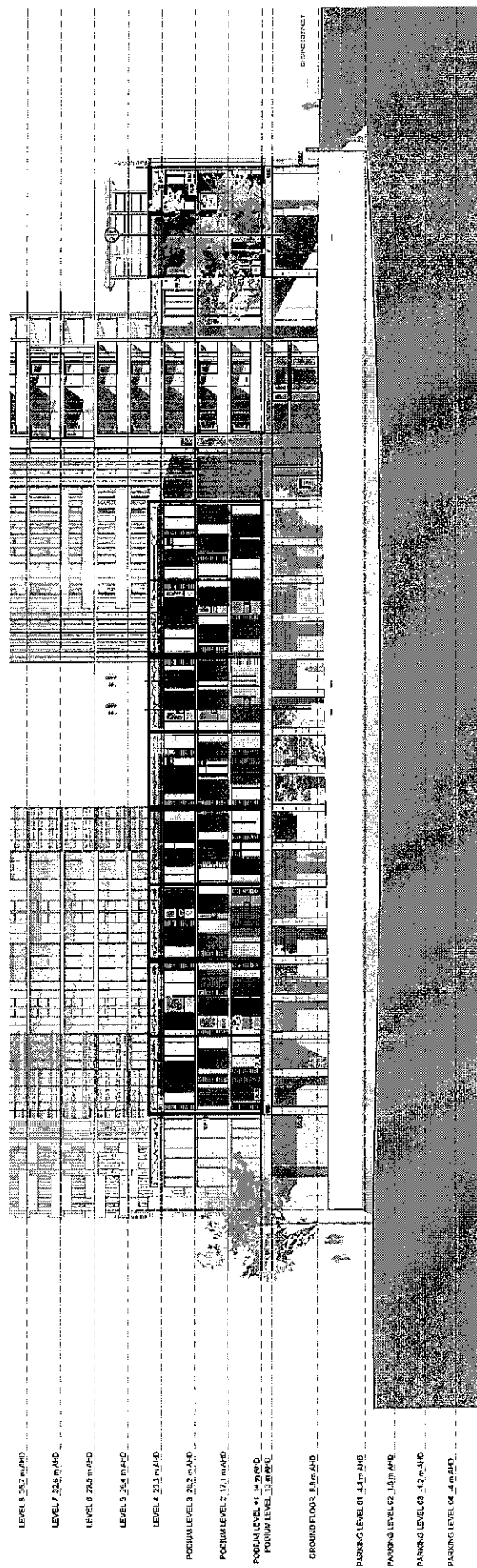
PH: 772-222-1111

[illegible][illegible]

1.200	A1	A
Case	B	B
1.661/1		I



01, ELEVATION - WEST
1:200 @ A1



02: ELEVATION - NORTH
1200 (A)

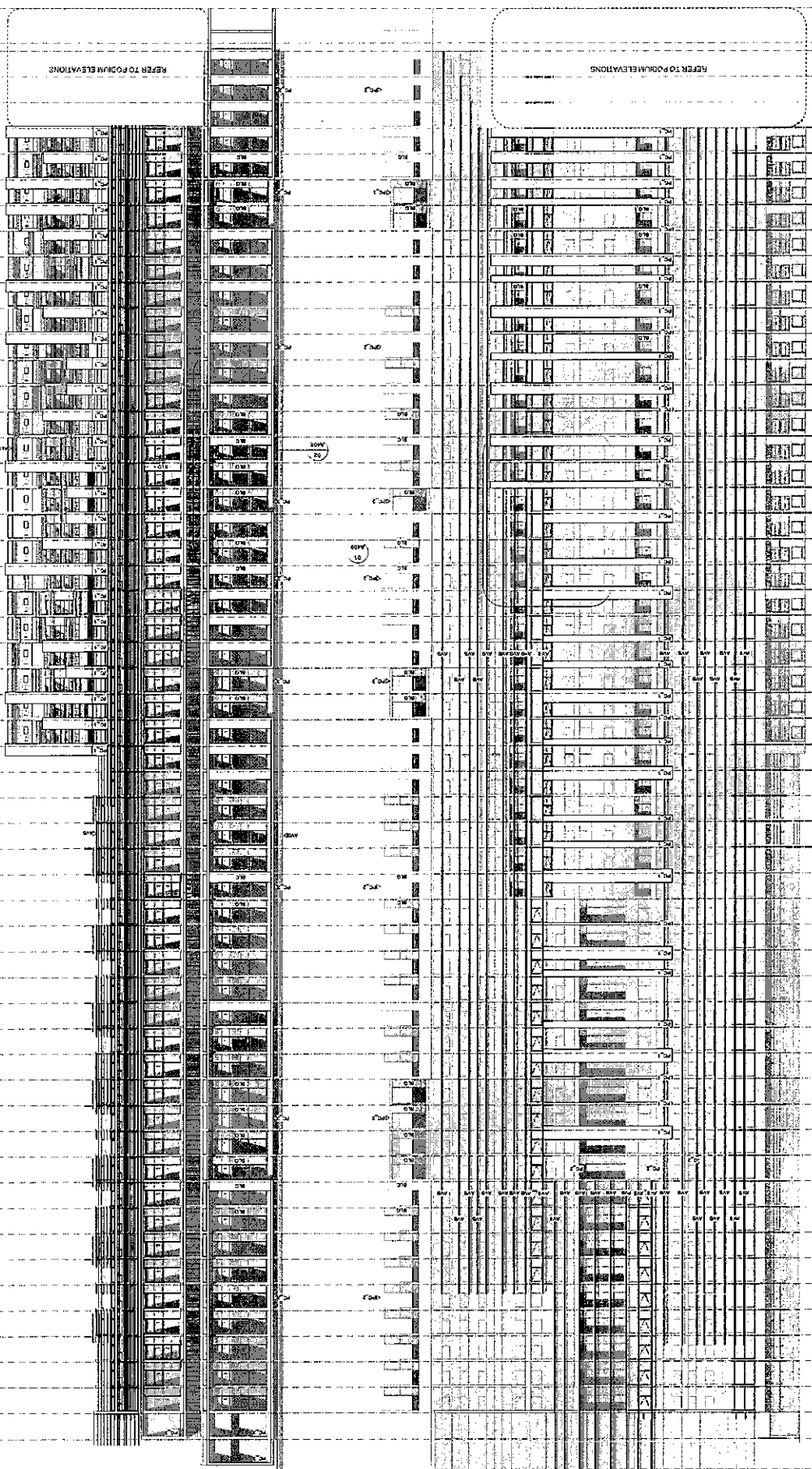
GENERAL LEADERS	LEADERS - SPECIALTY FRANCHISES	LEADERS - SPECIALTY SERVICES
1. FRANCHISES TO CONSIDER FOR ACQUISITION TO BE SEEN 2. CONTRACTS TO BE REVIEWED 3. CONTRACTS TO BE REVIEWED 4. CONTRACTS TO BE REVIEWED 5. CONTRACTS TO BE REVIEWED 6. CONTRACTS TO BE REVIEWED 7. CONTRACTS TO BE REVIEWED 8. CONTRACTS TO BE REVIEWED 9. CONTRACTS TO BE REVIEWED 10. CONTRACTS TO BE REVIEWED 11. CONTRACTS TO BE REVIEWED 12. CONTRACTS TO BE REVIEWED 13. CONTRACTS TO BE REVIEWED 14. CONTRACTS TO BE REVIEWED 15. CONTRACTS TO BE REVIEWED 16. CONTRACTS TO BE REVIEWED 17. CONTRACTS TO BE REVIEWED 18. CONTRACTS TO BE REVIEWED 19. CONTRACTS TO BE REVIEWED 20. CONTRACTS TO BE REVIEWED 21. CONTRACTS TO BE REVIEWED 22. CONTRACTS TO BE REVIEWED 23. CONTRACTS TO BE REVIEWED 24. CONTRACTS TO BE REVIEWED 25. CONTRACTS TO BE REVIEWED 26. CONTRACTS TO BE REVIEWED 27. CONTRACTS TO BE REVIEWED 28. CONTRACTS TO BE REVIEWED 29. CONTRACTS TO BE REVIEWED 30. CONTRACTS TO BE REVIEWED 31. CONTRACTS TO BE REVIEWED 32. CONTRACTS TO BE REVIEWED 33. CONTRACTS TO BE REVIEWED 34. CONTRACTS TO BE REVIEWED 35. CONTRACTS TO BE REVIEWED 36. CONTRACTS TO BE REVIEWED 37. CONTRACTS TO BE REVIEWED 38. CONTRACTS TO BE REVIEWED 39. CONTRACTS TO BE REVIEWED 40. CONTRACTS TO BE REVIEWED 41. CONTRACTS TO BE REVIEWED 42. CONTRACTS TO BE REVIEWED 43. CONTRACTS TO BE REVIEWED 44. CONTRACTS TO BE REVIEWED 45. CONTRACTS TO BE REVIEWED 46. CONTRACTS TO BE REVIEWED 47. CONTRACTS TO BE REVIEWED 48. CONTRACTS TO BE REVIEWED 49. CONTRACTS TO BE REVIEWED 50. CONTRACTS TO BE REVIEWED 51. CONTRACTS TO BE REVIEWED 52. CONTRACTS TO BE REVIEWED 53. CONTRACTS TO BE REVIEWED 54. CONTRACTS TO BE REVIEWED 55. CONTRACTS TO BE REVIEWED 56. CONTRACTS TO BE REVIEWED 57. CONTRACTS TO BE REVIEWED 58. CONTRACTS TO BE REVIEWED 59. CONTRACTS TO BE REVIEWED 60. CONTRACTS TO BE REVIEWED 61. CONTRACTS TO BE REVIEWED 62. CONTRACTS TO BE REVIEWED 63. CONTRACTS TO BE REVIEWED 64. CONTRACTS TO BE REVIEWED 65. CONTRACTS TO BE REVIEWED 66. CONTRACTS TO BE REVIEWED 67. CONTRACTS TO BE REVIEWED 68. CONTRACTS TO BE REVIEWED 69. CONTRACTS TO BE REVIEWED 70. CONTRACTS TO BE REVIEWED 71. CONTRACTS TO BE REVIEWED 72. CONTRACTS TO BE REVIEWED 73. CONTRACTS TO BE REVIEWED 74. CONTRACTS TO BE REVIEWED 75. CONTRACTS TO BE REVIEWED 76. CONTRACTS TO BE REVIEWED 77. CONTRACTS TO BE REVIEWED 78. CONTRACTS TO BE REVIEWED 79. CONTRACTS TO BE REVIEWED 80. CONTRACTS TO BE REVIEWED 81. CONTRACTS TO BE REVIEWED 82. CONTRACTS TO BE REVIEWED 83. CONTRACTS TO BE REVIEWED 84. CONTRACTS TO BE REVIEWED 85. CONTRACTS TO BE REVIEWED 86. CONTRACTS TO BE REVIEWED 87. CONTRACTS TO BE REVIEWED 88. CONTRACTS TO BE REVIEWED 89. CONTRACTS TO BE REVIEWED 90. CONTRACTS TO BE REVIEWED 91. CONTRACTS TO BE REVIEWED 92. CONTRACTS TO BE REVIEWED 93. CONTRACTS TO BE REVIEWED 94. CONTRACTS TO BE REVIEWED 95. CONTRACTS TO BE REVIEWED 96. CONTRACTS TO BE REVIEWED 97. CONTRACTS TO BE REVIEWED 98. CONTRACTS TO BE REVIEWED 99. CONTRACTS TO BE REVIEWED 100. CONTRACTS TO BE REVIEWED		

Meriton
 Meriton Apartments
 Level 11, Meriton Tower
 240 Kent Street, Sydney
 NSW 2000
 Tel: (02) 9233 3333
 Fax: (02) 9233 3333
 Email: info@meriton.com.au
 Website: www.meriton.com.au

NO	NAME	ADDRESS	TELEPHONE	DATE	INITIALS	REMARKS
1	Mr. J. H. Smith	123 Main St.	123-4567	10/1/54	JHS	Received 10/1/54
2	Mr. J. H. Smith	123 Main St.	123-4567	10/2/54	JHS	Received 10/2/54
3	Mr. J. H. Smith	123 Main St.	123-4567	10/3/54	JHS	Received 10/3/54
4	Mr. J. H. Smith	123 Main St.	123-4567	10/4/54	JHS	Received 10/4/54
5	Mr. J. H. Smith	123 Main St.	123-4567	10/5/54	JHS	Received 10/5/54
6	Mr. J. H. Smith	123 Main St.	123-4567	10/6/54	JHS	Received 10/6/54
7	Mr. J. H. Smith	123 Main St.	123-4567	10/7/54	JHS	Received 10/7/54
8	Mr. J. H. Smith	123 Main St.	123-4567	10/8/54	JHS	Received 10/8/54
9	Mr. J. H. Smith	123 Main St.	123-4567	10/9/54	JHS	Received 10/9/54
10	Mr. J. H. Smith	123 Main St.	123-4567	10/10/54	JHS	Received 10/10/54
11	Mr. J. H. Smith	123 Main St.	123-4567	10/11/54	JHS	Received 10/11/54
12	Mr. J. H. Smith	123 Main St.	123-4567	10/12/54	JHS	Received 10/12/54
13	Mr. J. H. Smith	123 Main St.	123-4567	10/13/54	JHS	Received 10/13/54
14	Mr. J. H. Smith	123 Main St.	123-4567	10/14/54	JHS	Received 10/14/54
15	Mr. J. H. Smith	123 Main St.	123-4567	10/15/54	JHS	Received 10/15/54
16	Mr. J. H. Smith	123 Main St.	123-4567	10/16/54	JHS	Received 10/16/54
17	Mr. J. H. Smith	123 Main St.	123-4567	10/17/54	JHS	Received 10/17/54
18	Mr. J. H. Smith	123 Main St.	123-4567	10/18/54	JHS	Received 10/18/54
19	Mr. J. H. Smith	123 Main St.	123-4567	10/19/54	JHS	Received 10/19/54
20	Mr. J. H. Smith	123 Main St.	123-4567	10/20/54	JHS	Received 10/20/54
21	Mr. J. H. Smith	123 Main St.	123-4567	10/21/54	JHS	Received 10/21/54
22	Mr. J. H. Smith	123 Main St.	123-4567	10/22/54	JHS	Received 10/22/54
23	Mr. J. H. Smith	123 Main St.	123-4567	10/23/54	JHS	Received 10/23/54
24	Mr. J. H. Smith	123 Main St.	123-4567	10/24/54	JHS	Received 10/24/54
25	Mr. J. H. Smith	123 Main St.	123-4567	10/25/54	JHS	Received 10/25/54
26	Mr. J. H. Smith	123 Main St.	123-4567	10/26/54	JHS	Received 10/26/54
27	Mr. J. H. Smith	123 Main St.	123-4567	10/27/54	JHS	Received 10/27/54
28	Mr. J. H. Smith	123 Main St.	123-4567	10/28/54	JHS	Received 10/28/54
29	Mr. J. H. Smith	123 Main St.	123-4567	10/29/54	JHS	Received 10/29/54
30	Mr. J. H. Smith	123 Main St.	123-4567	10/30/54	JHS	Received 10/30/54
31	Mr. J. H. Smith	123 Main St.	123-4567	10/31/54	JHS	Received 10/31/54
32	Mr. J. H. Smith	123 Main St.	123-4567	11/1/54	JHS	Received 11/1/54
33	Mr. J. H. Smith	123 Main St.	123-4567	11/2/54	JHS	Received 11/2/54
34	Mr. J. H. Smith	123 Main St.	123-4567	11/3/54	JHS	Received 11/3/54
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40	Mr. J. H. Smith	123 Main St.	123-4567	11/9/54	JHS	Received 11/9/54
41	Mr. J. H. Smith	123 Main St.	123-4567	11/10/54	JHS	Received 11/10/54
42	Mr. J. H. Smith	123 Main St.	123-4567	11/11/54	JHS	Received 11/11/54
43	Mr. J. H. Smith	123 Main St.	123-4567	11/12/54	JHS	Received 11/12/54
44	Mr. J. H. Smith	123 Main St.	123-4567	11/13/54	JHS	Received 11/13/54
45	Mr. J. H. Smith	123 Main St.	123-4567	11/14/54	JHS	Received 11/14/54
46						

[illegible][illegible]

A detailed site plan of the Riverfront Apartments project. The plan shows a rectangular building footprint with internal room divisions. To the left of the building is a large area designated for parking, with individual parking spaces outlined. The building is situated between Church Street to the north and Main Street to the south. A north arrow is located in the upper right corner of the plan, pointing towards the top of the page. The title 'RIVERFRONT APARTMENTS' is printed vertically along the right edge of the drawing. Below the title, the address '180 CHURCH STREET' and 'PORTLAND, MAINE 04101' are listed. At the bottom right, the architect's name 'ARCHITECTS L.L.P.' is written. A scale bar at the bottom center indicates a length of 100 feet.



Floor	Elevation (m)
1	1.00
2	2.00
3	3.00
4	4.00
5	5.00
6	6.00
7	7.00
8	8.00
9	9.00
10	10.00
11	11.00
12	12.00
13	13.00
14	14.00
15	15.00
16	16.00
17	17.00
18	18.00
19	19.00
20	20.00
21	21.00
22	22.00
23	23.00
24	24.00
25	25.00
26	26.00
27	27.00
28	28.00
29	29.00
30	30.00
31	31.00
32	32.00
33	33.00
34	34.00
35	35.00

REVISIONS

No.	Date	Description
1	10/10/2017	Initial Issue

PROJECT INFORMATION

Project Name: A354
 Location: [Address]
 Client: [Name]
 Architect: [Name]
 Engineer: [Name]

NOTES

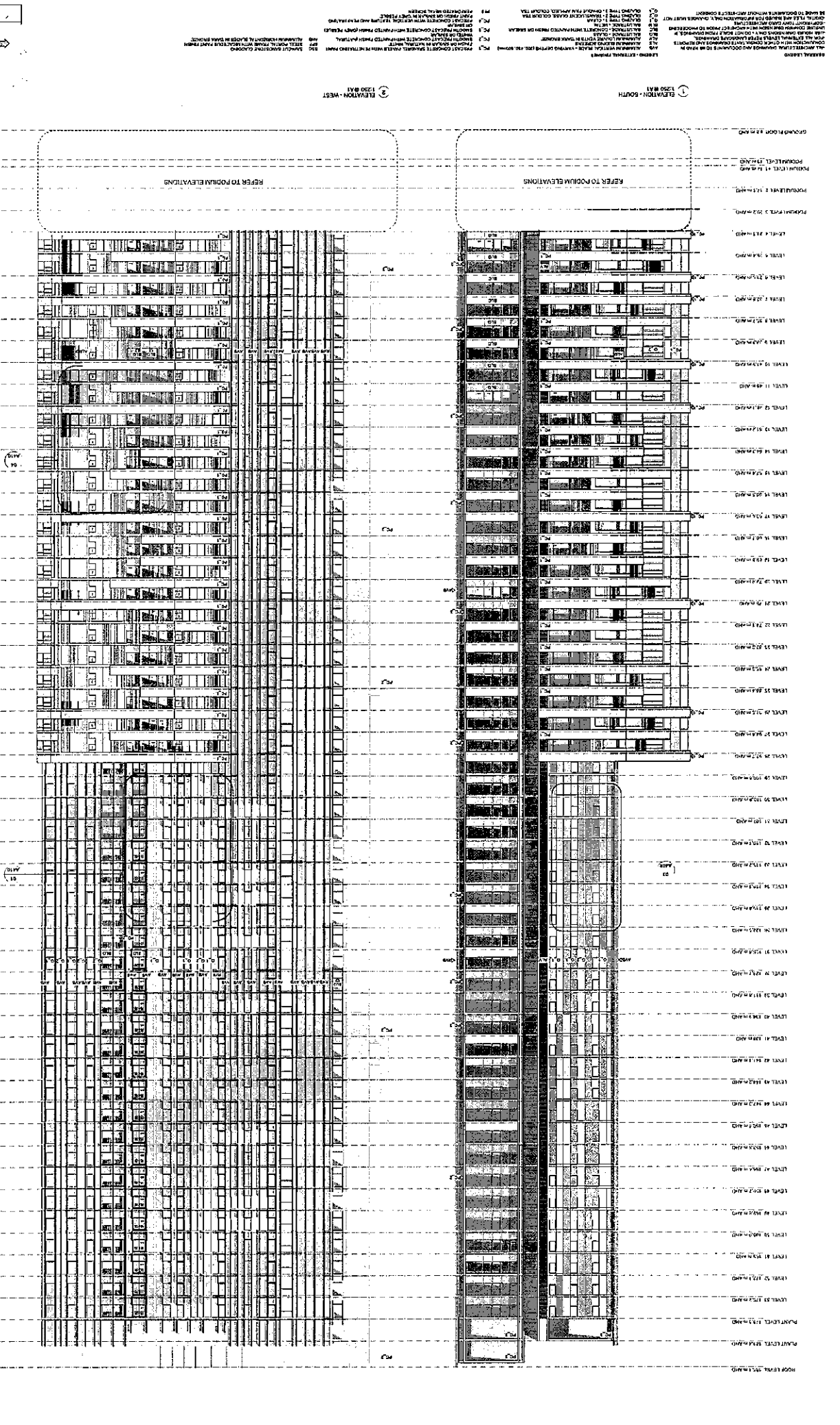
1. All dimensions are in meters unless otherwise specified.
 2. The drawing is for informational purposes only and should not be used for construction without the approval of the architect.
 3. The drawing is subject to change without notice.

LEGEND

Symbol: [Symbol]
 Description: [Text]

CONTACT INFORMATION

Project Manager: [Name]
 Phone: [Number]
 Email: [Address]



RIVERFRONT APARTMENTS
 10000 10th Street, Suite 100
 Dallas, Texas 75243
 Phone: (214) 635-1000
 Fax: (214) 635-1001
 Email: info@berspro.com
 Website: www.berspro.com

ELEVATIONS - WEST TOWER
 A355

DO NOT SCALE OFF THIS DRAWING. USE DIMENSIONS AND LOCATIONS SHOWN ON THIS DRAWING. DIMENSIONS AND LOCATIONS SHOWN ON THIS DRAWING ARE NOT TO BE USED FOR CONSTRUCTION. DIMENSIONS AND LOCATIONS SHOWN ON THIS DRAWING ARE NOT TO BE USED FOR CONSTRUCTION. DIMENSIONS AND LOCATIONS SHOWN ON THIS DRAWING ARE NOT TO BE USED FOR CONSTRUCTION.

NOTES:
 1. ALL DIMENSIONS ARE IN FEET AND INCHES.
 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

LEGEND:
 1. ALL DIMENSIONS ARE IN FEET AND INCHES.
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 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

REVISIONS:
 1. ALL DIMENSIONS ARE IN FEET AND INCHES.
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