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Sydney NSW 2000

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31 August 2023

TSA

Level 4, 25 Watt Street

Newcastle NSW 2300

Attention: N.Babik

Dear Nora,

RE: National Construction Code (NCC) 2019 Volume One Amendment 1 Section J Part J1 Statement of Compliance

JOB NO.: 210296

REV. NO.: FINAL B

SUBJECT PREMISE: Uniting Charlestown

This NCC Section J Part J1 statement has been prepared to demonstrate design compliance for the proposed Uniting Charlestown Building A development located at 27 Tiral Street, Charlestown.

The proposed development is located in climate Zone 5 as defined by the NCC.

The table below shows the areas assessed, NCC building classification and the method of compliance.

Building Area Description	NCC Classification	Method of Compliance
Building A Office (LG+UG)	5	DTS
Building A Multi-purpose rooms	9b	DTS
Building A RACF (L1-L3)	9C	DTS

The assessment is based on the architectural drawings listed below.

Architectural Drawings — Plus Architecture
Project no. 20456
Issued 18/08/2023

Building	Title	Drawing No	Revision
Building A	FLOOR PLAN - BASEMENT	00100	[05]
	FLOOR PLAN - LOWER GROUND	00101	[05]
	FLOOR PLAN - UPPER GROUND	00102	[05]
	FLOOR PLAN - LEVEL 01	00103	[05]
	FLOOR PLAN - LEVEL 02-03	00104	[05]
	FLOOR PLAN - LEVEL 04	00105	[05]
	FLOOR PLAN - LEVEL 05-06	00106	[05]
	FLOOR PLAN - LEVEL 07	00107	[05]
	FLOOR PLAN - LEVEL 08	00108	[05]
	FLOOR PLAN - LEVEL 09	00109	[05]
	FLOOR PLAN - LEVEL 10	00110	[05]
	FLOOR PLAN - LEVEL 11	00111	[05]
	FLOOR PLAN - LEVEL 12	00112	[05]
	ROOF PLAN	00113	[05]
	NORTH ELEVATION JAMES ST	00200	[05]
	SOUTH ELEVATION TIRAL ST	00201	[05]
	BUILDING A EAST & WEST ELEVATION	00202	[05]
	BUILDING B EAST & WEST ELEVATION	00203	[05]
	BUILDING C EAST & WEST ELEVATION	00204	[05]
	BUILDING D EAST & WEST ELEVATION	00205	[05]

As per the Deemed-to-Satisfy Provisions of **NCC 2019 Volume One Amendment 1**, design compliance with Part J1 can be met subject to the following specifications:

Part J1 Building Fabric

Required **total R-value** including allowance for **thermal bridging**:

Elements	Total Construction R-value	Notes
All Roof	R3.7 (Downward, SA < 0.45)	• It is a total system performance value and **NOT** the insulation. • The impact of **Thermal Bridging** must be included in the building envelope total system R-value calculations. • Building A Ground Floor Slab on ground expected to achieve R2.4 as per Specification J1.6 Sub-floor thermal performance, hence no additional insulation required.
Envelope Walls	R1.4	
Envelope Suspended External Floors	R2.0 (Downward)	

Required total system **U-value** and **SHGC**:

Location	Azimuth	Window Assembly (Glass & Frame)		Description
		U-value	SHGC	
A Office	All	6.2	0.70	Single Clear Glazing
A RAC	All	4.6	0.36	Double Low-e Tinted Glazing

Please refer to Attachment A for the facade calculator demonstrating compliance, and Attachment B for the mark-ups of the building fabrics thermal construction requirements.

Additional Section J Compliance Notes

Note project needs to adhere to the following NCC2019 Section J construction requirements as applicable:

- J1.2 (a-d) Thermal Construction – general installation requirements for insulations
- J1.2 (e) – The required total R-value and total system U-value, including thermal bridging calculation.

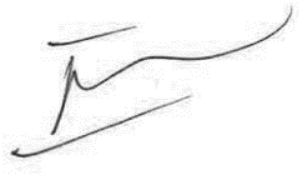
JHA recommend the following general construction requirements from Section J of the NCC 2019 be included in the architectural specification and drawings to ensure compliance.

Part J3 – Building Sealing

- J3.2 Chimneys and flues
- J3.3 Roof lights
- J3.4 Windows and doors
- J3.5 Exhaust fans
- J3.6 Construction of ceilings, walls and floors
- J3.7 Evaporative coolers

Full Name of Designer:	Ivan Miao
Qualifications:	B. Mechanical Eng (Honours)
Address of Designer:	JHA Level 23, 101 Miller Street, NORTH SYDNEY NSW 2060
Business Telephone No:	(02) 9437 1000
Name of Employer:	JHA

Yours sincerely,



Ivan Miao

Sustainability Engineer

Disclaimer

This statement is prepared for the nominated recipient only and relates to the specific scope of work and agreement between JHA and the client (the recipient). It is not to be used or relied upon by any third party for any purpose.

Revision History

REV	DATE	Amendment
Draft V1	16/08/22	
Final A	24/08/22	
Final B	31/08/23	Final Doc for CC drawings

Attachment A – Facade Calculator:

The total representative Air-Conditioning energy value of the proposed building is 142.91 (less than 171.32) and total System U-value is 2.00 (equal to 2.00). Therefore, the proposed building façade complies with Part J1 via *Method 2*.

Project 210296 - LG & UG

Climate Zone	CZ 5
Class	Other
Azimuth	18

Display glazing			
Window Exposure	U-Value	SHGC	Area [m²]
N	0.5	0.80	
E	0.5	0.80	
S	0.5	0.80	
W	0.5	0.80	

Exposure	Total Wall-Glazing Area					Walls		Windows			
	Reference Wall Type	External Envelope	Internal Envelope	Excluded Area	Sum	R-Value	A*U-Value	Exposure	U-Value	SHGC	A*U-Value
North	1	266.2	0.0	2.7	263.5	1.40	145.0	N1	6.2	0.7	375.2
	1				0.0		0.0	N2			0.0
	1				0.0		0.0	N3			0.0
	1				0.0		0.0	N4			0.0
East	1	338.8	0.0	5.2	333.5	1.40	196.1	E1	6.2	0.7	365.4
	1				0.0		0.0	E2			0.0
	1				0.0		0.0	E3			0.0
	1				0.0		0.0	E4			0.0
South	1	227.1	0.0	6.8	220.2	1.40	143.4	S1	6.2	0.7	120.8
	1				0.0		0.0	S2			0.0
	1				0.0		0.0	S3			0.0
	1				0.0		0.0	S4			0.0
West	1	416.2	0.0	6.5	409.7	1.40	186.8	W1	6.2	0.7	919.4
	1				0.0		0.0	W2			0.0
	1				0.0		0.0	W3			0.0
	1				0.0		0.0	W4			0.0

Exposure	Façade Area				Method 1 Solar Admittance		Method 2 Solar Admittance		U-value Total System		R-value Total System	
	Total [m²]	Wall [m²]	Window [m²]	Wall Glazing Ratio	Max SA	Achieved SA	Max Er	Achieved Er	Max. U-Value	Achieved U-Value	Min. R-Value	Achieved R-Value
N	263.5	203.0	60.5	77%	0.13	0.10	78.11	60.74	2.0	1.97	1.0	1.40
E	333.5	274.6	58.9	82%	0.13	0.11	0.00	0.00	2.0	1.68	1.4	1.40
S	220.2	200.8	19.5	91%	0.13	0.04	0.00	0.00	2.0	1.20	1.4	1.40
W	409.7	261.5	148.3	64%	0.13	0.11	93.21	82.17	2.0	2.70	1.0	1.40
						SUM	171.32	142.91	2.0	2.00		

Description	Level	Window Exposure	Reference Wall Type	Window Height [m]	Window Width [m]	Window Area [m²]	P [m]	H [m]	P/H	G/H	Shading Multiplier	A*S*SHGC
L1		W1	1	3.20	6.10	19.5			-	-	1.00	13.66
L2		W1	1	3.10	1.96	6.1			-	-	1.00	4.25
L2.1		W1	1	2.70	2.10	5.7			-	-	1.00	3.97
L3		W1	1	3.00	4.90	14.7						
L4		N1	1			9.9			-	-	1.00	6.93
L5		N1	1	3.00	4.70	14.1	4.92	3.10	1.59	0.03	0.35	3.45
L6		W1	1	3.00	4.60	13.8	6.80	3.20	2.13	0.06	0.35	3.38
L7		W1	1	3.20	21.50	68.8	3.26	3.20	1.02	0.00	0.35	16.86
L8		N1	1	0.70	7.50	5.3	3.05	3.15	0.97	0.78	0.83	3.05
L9		N1	1	3.20	1.70	5.4	1.16	3.20	0.36	0.00		
1		E1	1	3.20	3.20	10.2	2.88	3.20	0.90	0.00	0.38	2.72
2		N1	1	3.20	1.90	6.1	1.90	3.20	0.59	0.00	0.57	2.43
3		N1	1	2.90	3.50	10.2	2.20	3.40	0.65	0.15	0.59	4.19
4		N1	1	2.00	4.80	9.6	0.50	2.60	0.19	0.23	0.98	6.59
5		E1	1	2.00	14.95	29.9	0.20	2.60	0.08	0.23	1.00	20.93
6		E1	1	2.00	9.40	18.8	0.20	2.60	0.08	0.23	1.00	13.16
7		S1	1	2.45	1.90	4.7	0.50	2.90	0.17	0.16	0.97	3.16
7.5		S1	1	2.45	2.45	6.0	3.50	2.90	1.21	0.16	0.62	2.61
8		S1	1	2.45	3.60	8.8	3.50	2.90	1.21	0.16	0.62	3.83
9		W1	1	2.90	3.50	10.2	4.60	2.90	1.59	0.00	0.35	2.49
10		W1	1	2.90	3.30	9.6	5.35	2.90	1.84	0.00	0.35	2.34

The total representative Air-Conditioning energy value of the proposed building is 416.80(less than 425.72) and total System U-value is 1.97 (less than 2.00). Therefore, the proposed building façade complies with Part J1 via *Method 2*.

Project 210296 - RAC

Climate Zone	CZ 5
Class	9c
Azimuth	18

Exposure	Total Wall-Glazing Area				Walls		Windows			
	Reference Wall Type	External Envelope	Internal Envelope	Excluded Area	Sum	R-Value	A*U-Value	Exposure	U-Value	SHGC	A*U-Value
North	1	834.8		0.0	834.8	1.40	441.0	N1	4.6	0.36	1000.1
	1				0.0		0.0	N2			0.0
	1				0.0		0.0	N3			0.0
	1				0.0		0.0	N4			0.0
East	1	676.3		18.7	657.6	1.40	364.1	E1	4.6	0.36	680.4
	1				0.0		0.0	E2			0.0
	1				0.0		0.0	E3			0.0
	1				0.0		0.0	E4			0.0
South	1	648.0		18.7	629.3	1.40	288.2	S1	4.6	0.36	1038.9
	1				0.0		0.0	S2			0.0
	1				0.0		0.0	S3			0.0
	1				0.0		0.0	S4			0.0
West	1	714.0		0.0	714.0	1.40	278.1	W1	4.6	0.36	1493.3
	1				0.0		0.0	W2			0.0
	1				0.0		0.0	W3			0.0
	1				0.0		0.0	W4			0.0

Exposure	Façade Area				Method 1 Solar Admittance		Method 2		U-value Total System		R-value Total System	
	Total [m²]	Wall [m²]	Window [m²]	Wall Glazing Ratio	Max SA	Achieved SA	Max Er	Achieved Er	Max. U-Value	Achieved U-Value	Min. R-Value	Achieved R-Value
N	834.8	576.1	258.8	69%	0.10	0.06	156.95	92.41	2.0	1.73	1.0	1.40
E	657.6	481.2	176.4	73%	0.10	0.08	97.32	75.46	2.0	1.59	1.0	1.40
S	629.3	399.3	230.0	63%	0.10	0.13	62.93	79.41	2.0	2.11	1.0	1.40
W	714.0	319.9	394.1	45%	0.10	0.16	108.52	169.52	2.0	2.48	1.0	1.40
						SUM	425.72	416.80	2.0	1.97		

Description	Level	Window Exposure	Reference Wall Type	Window Height [m]	Window Width [m]	Window Area [m²]	P [m]	H [m]	P/H	G/H	Shading Multiplier	A*S*SHGC
11		N1	1	2.70	3.00	8.1	3.60	2.90	1.24	0.07	0.35	1.02
11a		N1	1	2.70	3.10	8.4	3.60	2.90	1.24	0.07	0.35	1.05
12		E1	1	2.70	1.50	4.1	-	-	-	-	1.00	1.46
13		N1	1	2.70	1.65	4.5	2.20	2.40	0.92	0.00	0.38	0.67
13a		N1	1	2.70	3.25	8.8	3.60	2.40	1.50	0.00	0.35	1.11
14		E1	1	2.70	1.40	3.8	-	-	-	-	1.00	1.36
15		E1	1	2.20	3.20	7.0	-	-	-	-	1.00	2.53
16		E1	1	2.20	3.75	8.3	-	-	-	-	1.00	2.97
17		S1	1	2.40	1.20	2.9	0.20	2.20	0.09	0.00	1.00	1.04
18		E1	1	2.40	1.30	2.9	-	-	-	-	1.00	1.04
19		S1	1	2.70	3.30	8.9	-	-	-	-	1.00	3.21
20		W1	1	2.70	2.90	7.8	-	-	-	-	1.00	2.82
20a		S1	1	2.70	1.65	4.5	3.05	2.70	1.13	0.00	0.58	0.93
21		S1	1	2.20	2.40	5.3	0.20	2.20	0.09	0.00	1.00	1.90
22		W1	1	2.20	7.50	16.5	-	-	-	-	1.00	5.94
23		S1	1	3.10	1.30	4.0	-	-	-	-	1.00	1.45
24		S1	1	2.20	5.60	12.3	-	-	-	-	1.00	4.44
25		S1	1	2.20	5.60	12.3	-	-	-	-	1.00	4.44
26		W1	1	2.20	0.90	2.0	0.20	2.20	0.09	0.00	1.00	0.71
27		W1	1	2.70	1.70	4.6	2.90	2.70	1.07	0.00	0.35	0.58
27a		S1	1	2.70	2.90	7.8	-	-	-	-	1.00	2.82
27b		W1	1	2.70	2.60	7.0	-	-	-	-	1.00	2.53
27c		N1	1	2.20	1.20	2.6	-	-	-	-	1.00	0.95
28		W1	1	2.20	0.60	1.3	0.20	2.20	0.09	0.00	1.00	0.48
29		N1	1	2.20	12.20	26.8	-	-	-	-	1.00	9.66
30		W1	1	0.90	1.00	0.9	Device	-	-	-	0.35	0.11
31		S1	1	2.20	3.80	8.4	-	-	-	-	1.00	3.01
32		S1	1	2.20	5.80	12.8	-	-	-	-	1.00	4.59
33		W1	1	2.20	0.90	2.0	0.20	2.20	0.09	0.00	1.00	0.71
34		E1	1	2.70	2.20	5.9	-	-	-	-	1.00	2.14
35		N1	1	2.70	0.80	2.2	-	-	-	-	1.00	0.78
36		E1	1	2.20	0.90	2.0	0.20	2.20	0.09	0.00	1.00	0.71
37		W1	1	2.20	7.50	16.5	-	-	-	-	1.00	5.94
38		W1	1	3.20	1.30	4.2	-	-	-	-	1.00	1.50
39		W1	1	2.20	11.30	24.9	-	-	-	-	1.00	8.95
40		N1	1	2.80	0.70	2.0	0.20	2.20	0.09	0.00	1.00	0.71
41		W1	1	2.80	1.70	4.8	2.90	2.80	1.04	0.00	0.35	0.60
42		W1	1	2.80	2.85	8.0	-	-	-	-	1.00	2.87
42a		N1	1	2.80	3.85	10.8	-	-	-	-	1.00	3.88
43		E1	1	2.40	1.10	2.6	device	-	-	-	0.35	0.33
43a		N1	1	2.80	2.00	5.6	-	-	-	-	-	-
44		E1	1	2.20	3.80	8.4	-	-	-	-	1.00	3.01
45		E1	1	2.20	7.30	16.1	-	-	-	-	1.00	5.78
11		N1	1	2.70	3.00	16.2	3.60	2.90	1.24	0.07	0.35	2.05
11a		N1	1	2.70	3.10	17.0	3.60	2.90	1.24	0.07	0.35	0.88
12		E1	1	2.70	1.50	13.4	-	-	-	-	1.00	4.84
13		N1	1	2.70	1.65	13.5	2.20	2.40	0.92	0.00	0.38	1.85
13a		N1	1	2.70	3.25	7.0	3.60	2.40	1.50	0.00	0.35	0.89
14		E1	1	2.70	1.40	8.3	-	-	-	-	1.00	2.97
15		E1	1	2.20	3.20	7.0	-	-	-	-	1.00	0.71
16		E1	1	2.20	3.75	2.9	-	-	-	-	1.00	1.04
17		S1	1	2.40	1.20	13.5	0.20	2.20	0.09	0.00	1.00	4.86
18		E1	1	2.40	1.20	2.7	-	-	-	-	1.00	0.97
19		S1	1	2.70	3.30	2.0	-	-	-	-	1.00	0.71
20		W1	1	2.70	2.90	15.0	-	-	-	-	1.00	5.40
20a		S1	1	2.70	1.65	4.0	3.05	2.70	1.13	0.00	0.58	0.84
21		S1	1	2.20	2.40	11.2	0.20	2.20	0.09	0.00	1.00	4.03
22		W1	1	2.20	7.50	11.2	-	-	-	-	1.00	4.03
23		S1	1	3.10	1.30	2.0	-	-	-	-	1.00	0.71
24		S1	1	2.20	5.60	14.0	-	-	-	-	1.00	5.04
25		S1	1	2.20	5.60	2.0	-	-	-	-	1.00	0.71
26		W1	1	2.20	0.90	24.4	0.20	2.20	0.09	0.00	1.00	8.78
27		W1	1	2.70	1.70	0.8	2.90	2.70	1.07	0.00	0.35	0.10
27a		S1	1	2.70	2.90	7.6	-	-	-	-	1.00	2.74
27b		W1	1	2.70	2.60	11.6	-	-	-	-	1.00	4.18
27c		N1	1	2.20	1.20	2.0	-	-	-	-	1.00	0.71
28		W1	1	2.20	0.60	12.4	0.20	2.20	0.09	0.00	1.00	4.47
29		N1	1	2.20	12.20	2.4	-	-	-	-	1.00	0.87
30		W1	1	0.90	1.00	2.0	Device	-	-	-	0.35	0.25
31		S1	1	2.20	3.80	15.0	-	-	-	-	1.00	5.40
32		S1	1	2.20	5.80	4.2	-	-	-	-	1.00	1.50
33		W1	1	2.20	0.90	22.6	0.20	2.20	0.09	0.00	1.00	8.14
34		E1	1	2.70	2.20	2.0	-	-	-	-	1.00	0.71
35		N1	1	2.70	0.80	3.4	-	-	-	-	1.00	1.21
36		E1	1	2.20	0.90	14.6	0.20	2.20	0.09	0.00	1.00	5.24
37		W1	1	2.20	7.50	2.0	-	-	-	-	1.00	0.71
38		W1	1	3.20	1.30	8.4	-	-	-	-	1.00	3.01
39		W1	1	2.20	11.30	16.1	-	-	-	-	1.00	5.78
40		N1	1	2.80	0.70	16.2	0.20	2.20	0.09	0.00	1.00	5.85
41		W1	1	2.80	1.70	7.0	2.90	2.80	1.04	0.00	0.35	0.88
42		W1	1	2.80	2.85	13.4	-	-	-	-	1.00	4.84
42a		N1	1	2.80	3.85	13.5	-	-	-	-	1.00	4.86
43		E1	1	2.40	1.10	7.0	device	-	-	-	0.35	0.89
43a		N1	1	2.80	2.00	8.3	-	-	-	-	1.00	2.97
44		E1	1	2.20	3.80	7.0	-	-	-	-	1.00	0.71
45		E1	1	2.20	7.30	2.9	-	-	-	-	1.00	1.04
11		N1	1	2.70	3.00	16.2	3.60	2.90	1.24	0.07	0.35	2.05
11a		N1	1	2.70	3.10	7.0	3.60	2.90	1.24	0.07	0.35	0.88
12		E1	1	2.70	1.50	13.4	-	-	-	-	1.00	4.84
13		N1	1	2.70	1.65	13.5	2.20	2.40	0.92	0.00	0.38	1.85
13a		N1	1	2.70	3.25	7.0	3.60	2.40	1.50	0.00	0.35	0.89
14		E1	1	2.70	1.40	8.3	-	-	-	-	1.00	2.97
15		E1	1	2.20	3.20	7.0	-	-	-	-	1.00	0.71
16		E1	1	2.20	3.75	2.9	-	-	-	-	1.00	1.04
17		S1	1	2.40	1.20	13.5	0.20	2.20	0.09	0.00	1.00	4.86
18		E1	1	2.40	1.20	2.7	-	-	-	-	1.00	0.97
19		S1	1	2.70	3.30	2.0	-	-	-	-	1.00	0.71
20		W1	1	2.70	2.90	15.0	-	-	-	-	1.00	5.40
20a		S1	1	2.70	1.65	4.0	3.05	2.70	1.13	0.00	0.58	0.84
21		S1	1	2.20	2.40	11.2	0.20	2.20	0.09	0.00	1.00	4.03
22		W1	1	2.20	7.50	11.2	-	-	-	-	1.00	4.03
23		S1	1	3.10	1.30	2.0	-	-	-	-	1.00	0.71
24		S1	1	2.20	5.60	14.0	-	-	-	-	1.00	5.04
25		S1	1	2.20	5.60	2.0	-	-	-	-	1.00	0.71
26		W1	1	2.20	0.90	24.4	0.20	2.20	0.09	0.00	1.00	8.78
27		W1	1	2.70	1.70	0.8	2.90	2.70	1.07	0.00	0.35	0.10
27a		S1	1	2.70	2.90	7.6	-	-	-	-	1.00	2.74
27b		W1	1	2.70	2.60	11.6	-	-	-	-	1.00	4.18
27c		N1	1	2.20	1.20	2.0	-	-	-	-	1.00	0.71
28		W1	1	2.20	0.60	12.4	0.20	2.20	0.09	0.00	1.00	4.47
29		N1	1	2.20	12.20	2.4	-	-	-	-	1.00	0.87
30		W1	1	0.90	1.00	2.0	Device	-	-	-	0.35	0.25
31		S1	1	2.20	3.80	15.0	-	-	-	-	1.00	5.40

Attachment B – Building Fabric Requirements

DRAWING TO BE READ IN CONJUNCTION WITH A0000 LEGEND, RELEVANT SCHEDULES AND PROJECT SPECIFICATION.

FOR APPROVAL

DATE	REVISION	BY	CHK	NO.
10/06/2021	FOR INFORMATION	AC	GD	C
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10/12/2021	FOR INFORMATION	AC	GD	F
27/05/2022	FOR INFORMATION	AC	GD	K
7/06/2022	FOR INFORMATION	AC	GD	L
17/06/2022	FOR INFORMATION	AC	GD	N
29/06/2022	FOR INFORMATION	AC	GD	P
21/07/2022	FOR INFORMATION	AC	GD	S
26/07/2022	FOR INFORMATION	AC	GD	T

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26/08/2022	FOR APPROVAL	SH	GD	03
20/07/2023	FOR COORDINATION	MA	GD	AA
31/07/2023	FOR COORDINATION	MA	GD	AB
15/08/2023	FOR COORDINATION	MA	GD	AC
18/08/2023	FOR APPROVAL	MA	GD	05

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QUANTITY SURVEYOR	WT GROUP	T (02) 9929 7422
TRAFFIC CONSULTANT	VARGA TRAFFIC PLANNING	T (02) 9904 3224

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PROJECT
27 TIRAL STREET, CHARLESTOWN

DRAWING TITLE
FLOOR PLAN - LOWER GROUND

SCALE	REVISION
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MA	GD

JOB NO.
20456

DRAWING NO.
PLA-CT-MP-DWG-AR-P4-00101

DRAWING TO BE READ IN CONJUNCTION WITH A0000 LEGEND, RELEVANT SCHEDULES AND PROJECT SPECIFICATION.

SMITH STREET

DICKINSON STREET

JAMES STREET

JAMES STREET

DUDLEY ROAD

TIRAL STREET

TIRAL STREET

BUILDING D

BUILDING C

BUILDING B

BUILDING A

BASEMENT BELOW BUILDING

COVERED UNDER NATHERS/ BASIX

NCC 2019 Section J1 DTS:
Building Fabric Required total system R-Values

	Roof & Ceiling	- Rt 3.7 (Downward)
	Envelope Floors	- Rt 2.0 (Downward)
	Envelope Walls	- Rt 1.4

Note:
1) All R-values must account for the impact of Thermal Bridging.
2) The R-value is a total system performance value and NOT insulation.
3) The above construction are only to be applied to non-glazed portions of the envelope and spandrel panels, glazing must be installed as per the architectural layouts with its thermal performances pursuant to the respective glazing specifications stated in the Section J report.

Glazing (Glass + Frame) requirements.
1) (LG and UG levels) performance glazing with U-value 6.2 SHGC 0.70
2) (L1 to L3 levels) performance glazing with U-value 4.6 SHGC 0.36

JHA WARRUP | MATCH

DOCUMENT No.	210296 Uniting Charlestown
DOCUMENT TITLE	Uniting Charlestown - Section J DTS
DOCUMENT REV:	Draft V2
DOCUMENT BY:	I.M. DATE: 31/08/2023

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17/06/2022	FOR INFORMATION	AC	GD	N
29/06/2022	FOR INFORMATION	AC	GD	P
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20/07/2023	FOR COORDINATION	MA	GD	AA
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PROJECT
27 TIRAL STREET, CHARLESTOWN

DRAWING TITLE
FLOOR PLAN - UPPER GROUND

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20/07/2023	FOR COORDINATION	MA	GD	AA
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PROJECT
27 TIRAL STREET, CHARLESTOWN

DRAWING TITLE
FLOOR PLAN - LEVEL 01

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DATE: **18/08/2023**	PLOT DATE: **18/08/2023**
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JOB NO. **20456**	DRAWING NO. **PLA-CT-MP-DWG-AR-P4-00103**

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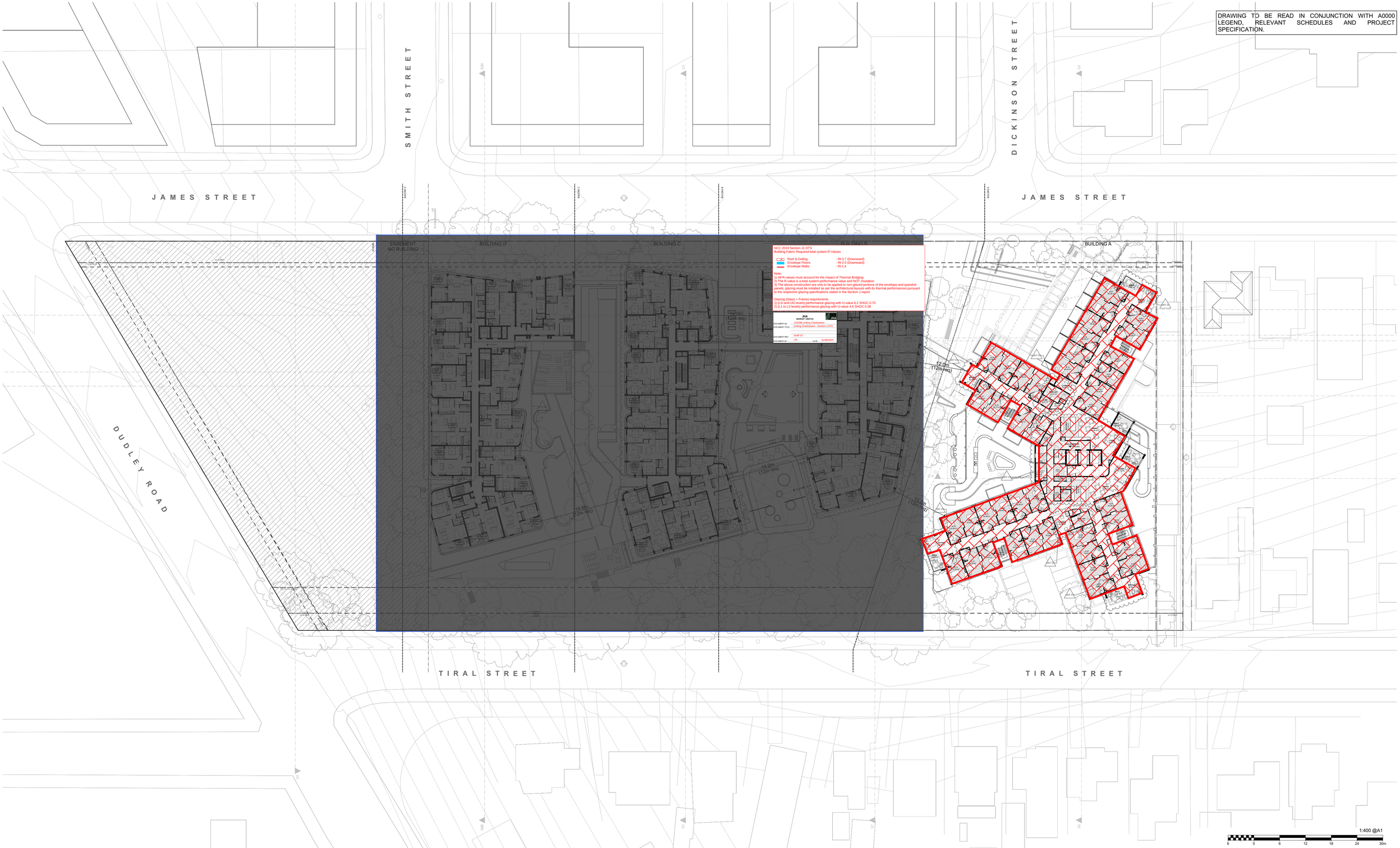

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PROJECT
27 TIRAL STREET, CHARLESTOWN

DRAWING TITLE
FLOOR PLAN - LEVEL 02-03

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