

UNIT 1
SANS 10400 XA 4.2 - ENERGY USAGE

Watts	No	Watts/hour	Hours	Daily Consumption Watts
5	8	40	8	320
TOTAL				320

NETT AREA	85,46
USAGE	H3
W/m2	5
Demand W	427,3
Daily Hours	8
Annual Hours	2920
Max Annual Kw/h	1247,716
Lamp W/hour	40
Daily Consumption W	320
Annual Consumption Kw/h	934,4

Compliant SANS 10400 4.2.2

UNIT 2
SANS 10400 XA 4.2 - ENERGY USAGE

Watts	No	Watts/hour	Hours	Daily Consumption Watts
5	8	40	8	320
TOTAL				320

NETT AREA	84,46
USAGE	H3
W/m2	5
Demand W	422,3
Daily Hours	8
Annual Hours	2920
Max Annual Kw/h	1233,116
Lamp W/hour	40
Daily Consumption W	320
Annual Consumption Kw/h	934,4

UNIT 3
SANS 10400 XA 4.2 - ENERGY USAGE

Watts	No	Watts/hour	Hours	Daily Consumption Watts
5	8	40	8	320
TOTAL				320

NETT AREA	85,46
USAGE	H3
W/m2	5
Demand W	427,3
Daily Hours	8
Annual Hours	2920
Max Annual Kw/h	1247,716
Lamp W/hour	40
Daily Consumption W	320
Annual Consumption Kw/h	934,4

Compliant SANS 10400 4.2.2

UNIT 4
SANS 10400 XA 4.2 - ENERGY USAGE

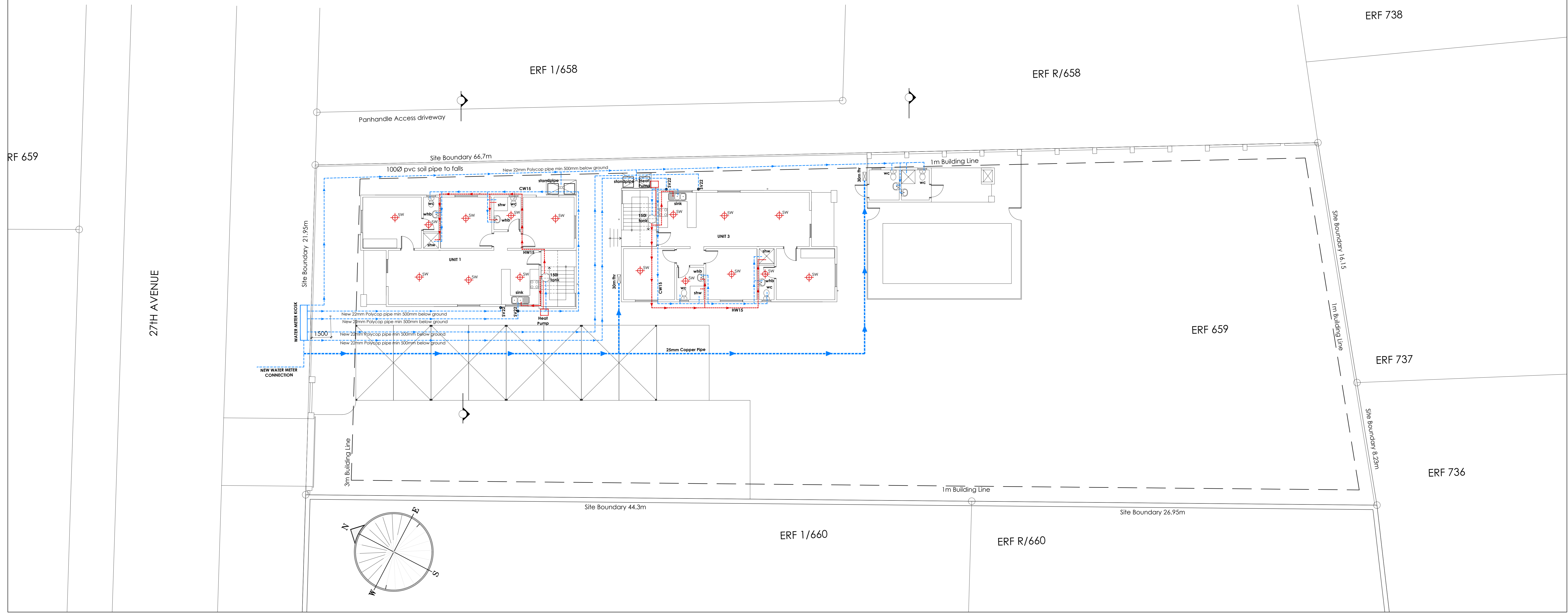
Watts	No	Watts/hour	Hours	Daily Consumption Watts
5	8	40	8	320
TOTAL				320

NETT AREA	84,46
USAGE	H3
W/m2	5
Demand W	422,3
Daily Hours	8
Annual Hours	2920
Max Annual Kw/h	1233,116
Lamp W/hour	40
Daily Consumption W	320
Annual Consumption Kw/h	934,4

GENERAL	CODE	WATER NOTES
		Plumbing installation to comply with SANS 10252-1 (2012) (English): Water supply and drainage for buildings Part 1: Water supply installations for buildings
CONSUMPTION		Water consumption in the unit will be from 05h00 to 09h00 & 16h00 to 20h00 = 8 hours per day
		NO OF USERS = 6 X 50L = 300 L (TOTAL WATER CONSUMPTION)
3 BEDROOM UNIT		50% of 300L = 1 x 150L heat pumps to be provided

KITCHEN SINK	Kitchen sink mixer with Niagara Conservation N3115 Kitchen Tap Aerator
SHOWER	Aerated Oxygenics Value Eco Showerhead
TOILET	Colbro Dual Flush Toilet
WASH HAND BASIN	Sink Mixer with Niagara Conservation N3104F Bathroom Tap Aerator Tube of 6
SV22	22mm Brass Stop Valve
CW22	22mm Copper Cold Water pipe fixed to wall / roof trusses
HW15	15mm Copper Hot Water Pipe Chased into brickwork
CW15	15mm Copper Cold Water Pipe Chased into brickwork

DURBAN REGISTERED TICKET TO PERFORM PLUMBING INSTALLATION WITH MUNICIPAL BY-LAWS



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DO NOT SCALE THIS DRAWING.

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PROJECT	27th Avenue Townhouses
DESCRIPTION	PROPOSED TOWNHOUSE DEVELOPMENT
STREET ADD.	90, 27th Avenue, Umhlotuzana
ERF	659 Umhlotuzana
PROVINCE	Kwa Zulu Natal
DRAWING	PLUMBING LAYOUT XA CALCULATION
SCALE	1:100@ A1
DATE	2020/12/17
REVISION	0
DRAWING NO.	2019.036.A401