

**UNIT 1 TO 10**  
**SANS 10400 XA 4.44 - FENESTRATION**

W1	SQM	NO	SUB
W1	1.5	1	5.88
W2	0.54	1	1.8
W3	1.44	1	0.5
W4	5.04	1	3.78
W5	1.68	1	1.44
<b>TOTAL</b>			<b>13.4</b>
<b>NET FLOOR AREA</b>			<b>62.45</b>
%			<b>21.46%</b>

greater than 20% = Assessment in terms of SANS 10400 5.3.5 table 4  
**NO SHADING. SOLAR TINT SOLUTION APPLIED TO WINDOWS**

% GLAZING 20 TO 25%	U VALUE	SHGC
REQUIRED	5.2	0.49
PROVIDED	0.75	0.4

**UNIT 1 TO 10**  
**SANS 10400 XA 4.2 - ENERGY USAGE**

Watts	No	Watts/hour	Hours	Daily Consumption Watts
3	6	18	8	144
<b>TOTAL</b>				<b>144</b>

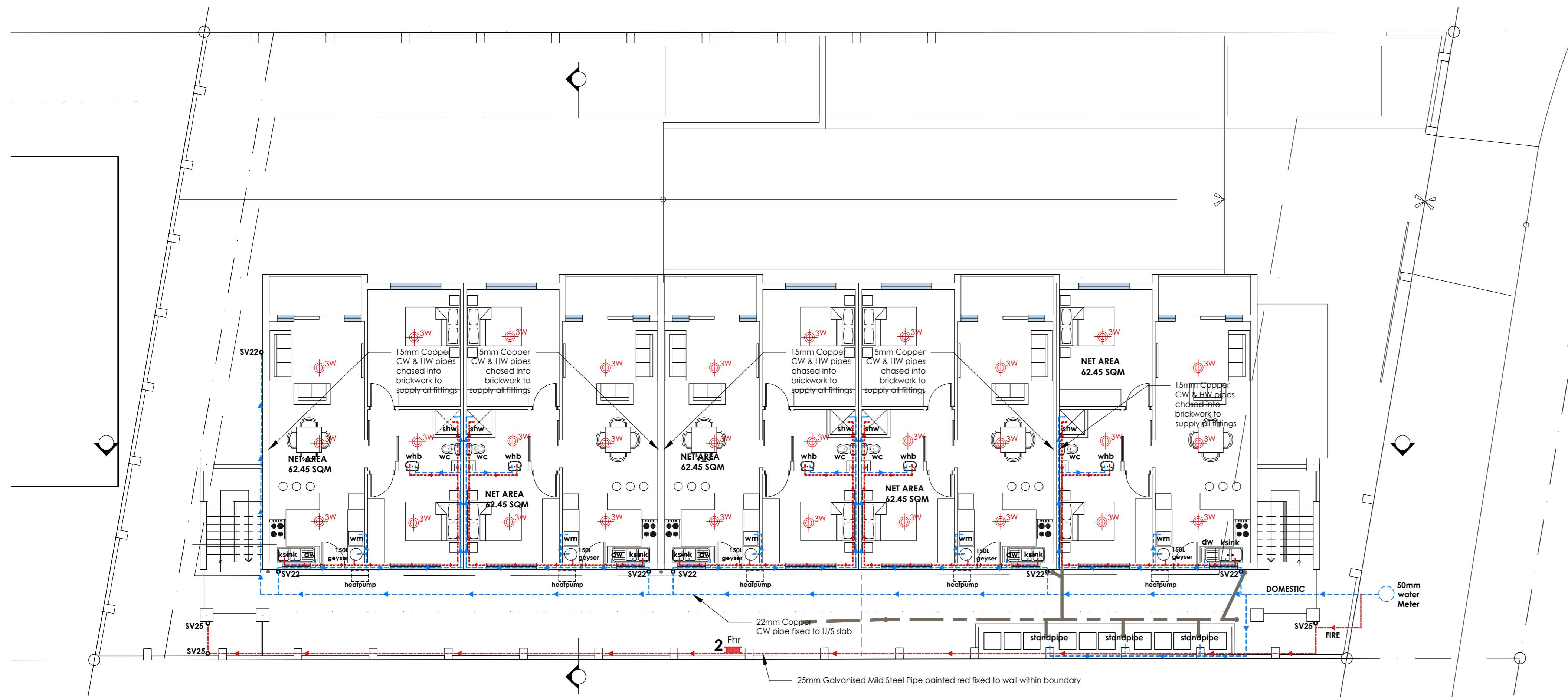
  

NET AREA	62.45
USAGE	H4
W/m2	4
Demand W	249.8
Daily Hours	8
Annual Hours	2920
Max Annual Kw/h	<b>729.416</b>
Lamp W/hour	18
Daily Consumption W	144
Annual Consumption Kw/h	<b>420.48</b>

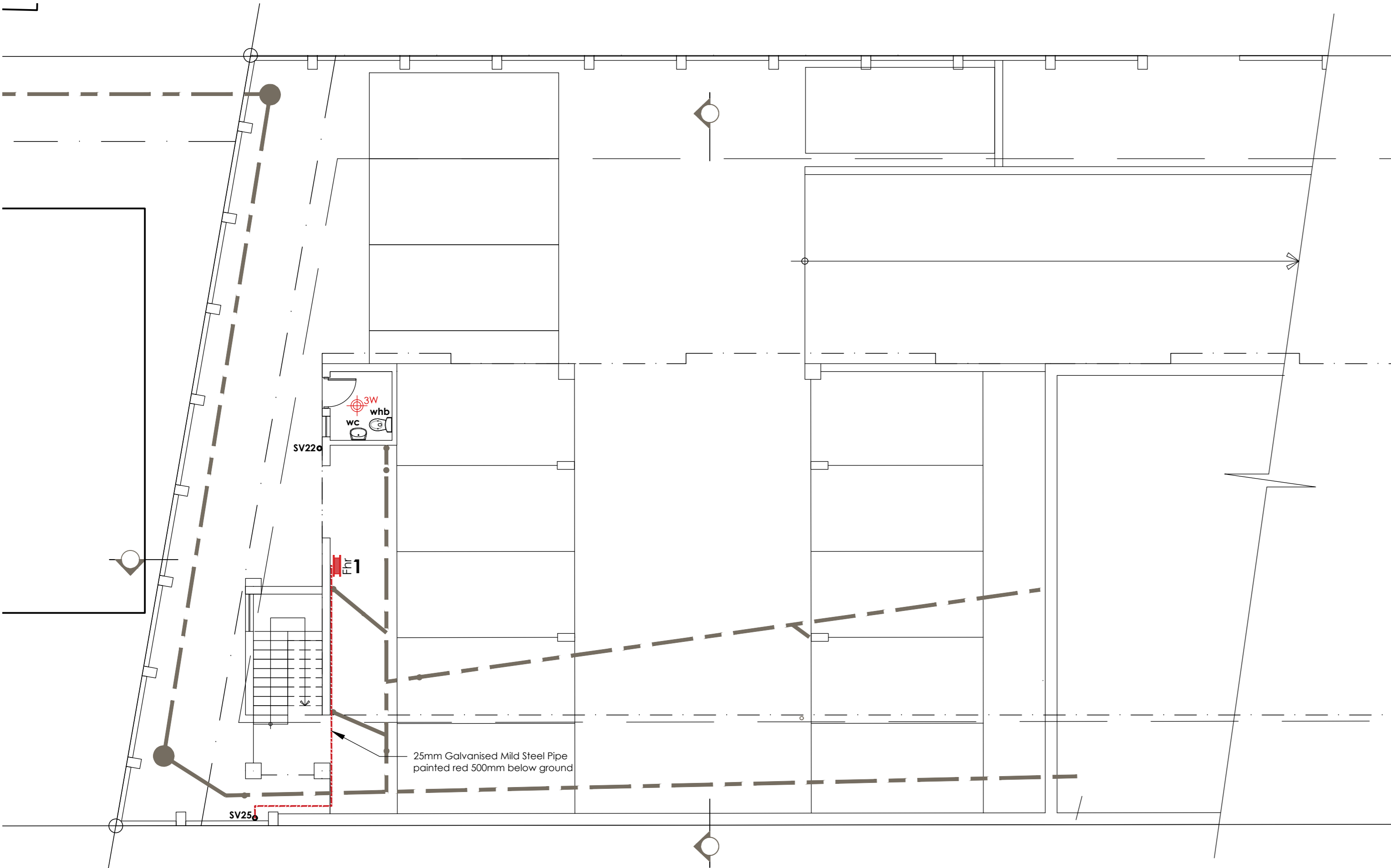
**Compliant SANS 10400 4.2.2**

**HOT WATER CALCULATION**

UNITS 1 TO 10	NO OF USERS = 4 X 75L = 300L (TOTAL WATER CONSUMPTION)
	50% of 300L = 1 x 150L heat pumps to be provided



**SITE & GROUND FLOOR LAYOUT**  
Scale - 1:100



**SEMI BASEMENT FLOOR LAYOUT**  
Scale - 1:100

	W1	W2	W3	W4	W5	W6	SHOWER DOOR
Area	5.88 sqm	1.800 sqm	0.5 sqm	3.78 sqm	1.44 sqm	0.54 sqm	
Dimensions	2800 x 2100	1800 x 1100	1000 x 500	1800 x 2100	1800 x 1300	600 x 900	900 x 2100
FRAME	Natural Anodized Aluminium	Natural Anodized Aluminium	Natural Anodized Aluminium	Natural Anodized Aluminium	Natural Anodized Aluminium	Natural Anodized Aluminium	
GLAZING	6mm toughened safety glass.	6mm toughened safety glass.	6mm toughened safety glass.	6mm toughened safety glass.	6mm toughened safety glass.	6mm toughened safety glass.	

**WINDOW SCHEDULE** Scale - 1:50

**SOLAR TINT TO ALL WINDOWS**

SOLAR FILM FOUNDATION PRODUCT	SHGC	U VALUE
SINGLE CLEAR	0.81	7.9
ADD SOLAR TINT GREY 20% (NON REFLECTIVE)	0.40	0.75

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Any discrepancies are to be brought to the attention of the architect.  
The architectural professional accepts no responsibility for errors resulting from misinterpretation of the drawings.  
All work to be carried out strictly in accordance with the national building regulations and local authority regulations.  
All dimensions are given in millimeters.  
Do not scale this drawing.

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PROJECT	<b>OCEAN DUNES</b>
DESCRIPTION	<b>PROPOSED TOWNHOUSE DEVELOPMENT</b>
STREET ADD.	22 School Road
ERF	R/1667 Wenworth, Bluff
PROVINCE	Kwa Zulu Natal
DRAWING	<b>SANS XA PLUMBING</b>
SCALE	1:100/200@ A0
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