

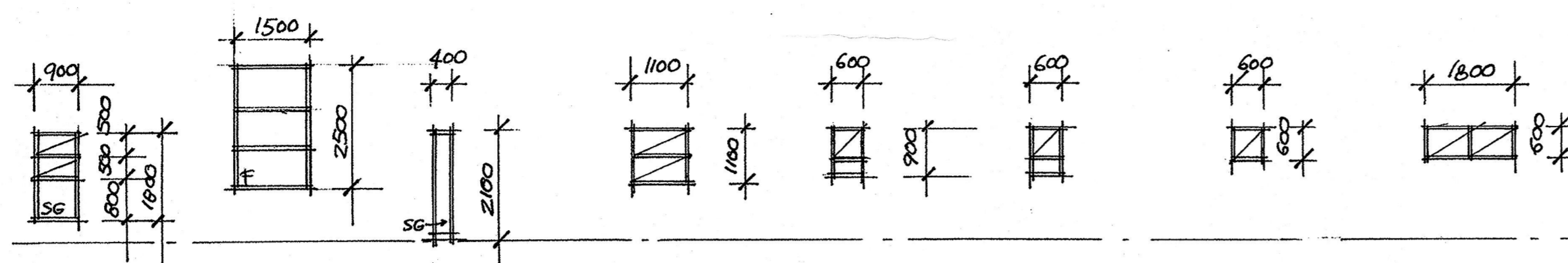
SHEET 1/2	COPY
ETHEKWINI MUNICIPALITY (CENTRAL)	
118 07 15	
APPLICATION NO.	

BUILDING APPLICATION
 APPROVED in terms Sec. 7 of The National Building Regulations and Building Standards Act No. 103 of 1977

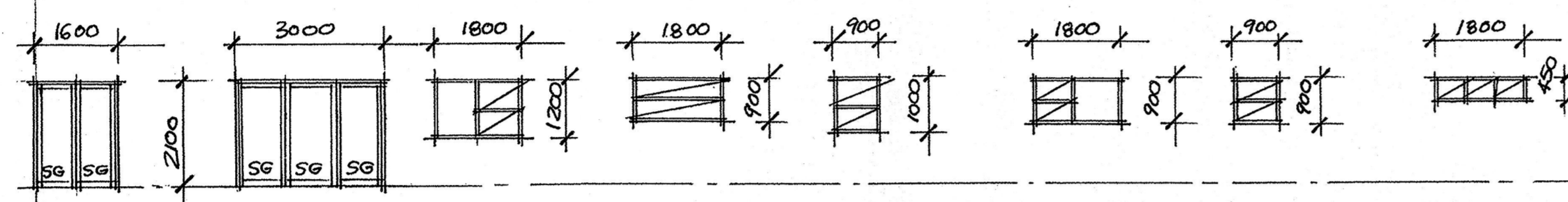
DATE: 2015-10-16

LOCAL AUTHORITY: [Signature]

Attention is drawn to the attached documentation & that this approval shall lapse ONE year after the above approval date, unless the erection of the building in terms of NBS Act 103 of 1977 is commenced.



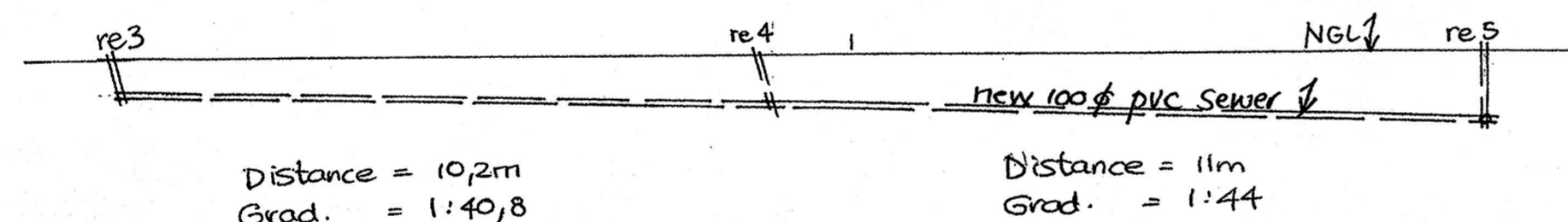
Window/Door type	W1	W2	W3	W4	W5 & W6	W6	W7	W8
Glass thickness:	4mm	4mm	4mm	3mm	3mm	4mm	4mm	3mm
Glass type:	Tough. safety gl. Clear double	Tough. safety gl. clear double	Tough. safety gl. clear double	Mon. annealed single-clear	Mon. annealed single-clear	Tough. safety gl. single-frosted	Tough. safety gl. single-frosted	Mon. annealed single-clear



Window/door type	D1	D2	W9	W10	W11 (Bedroom)	W12	W13	W14
Glass thickness:	4mm	5mm	4mm	4mm	3mm	3mm	4mm	3mm
Glass type:	Tough. safety gl. clear double	Tough. safety gl. clear double	Mon. annealed single-clear	Tough. safety gl. single-clear	Mon. annealed single-clear	Mon. annealed single-clear	Tough. safety gl. single-frosted	Mon. annealed single-clear

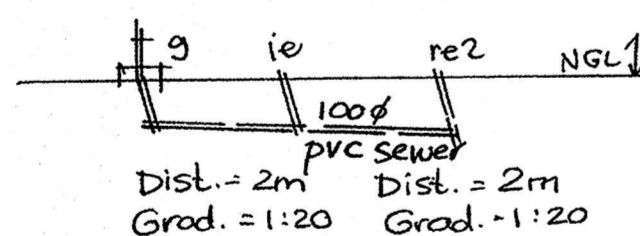
WINDOW-SCHEDULE 1: 100

W 11 (Bathroom)	
4mm	
Tough. safety gl.	MVB 24/9/15
Single-clear	



Ground level	-0.9	-0.9	-0.9
Invert level	-1.4	-1.65	-1.9
Depth	500	750	1000

SEWER SECTION 1: 100



Ground level	-0.9	-0.9	-0.9
Invert level	-1.4	-1.5	-1.6
depth	500	600	700

SEWER SECTION 1: 100

WATER RETICULATION

CLASS OF OCCUPANCY H4
 DESIGN POPULATION 8 PERSONS
 HOT WATER DEMAND 115 litres/person/day x 7 = 920 litres/day
 HOT WATER STORAGE VOLUME AT 60°C (20% HEAT LOSS)
 HOT WATER STORAGE 40 litres/capita x 8 persons = 320 litres.
 20% HEAT LOSS ALLOWANCE 64 litres
 HOT WATER STORAGE REQUIRED AT 60°C = 320L + 64L = 384 L

POWER REQUIRED TO HEAT VOLUME OF WATER REQUIRED:
 HOT WATER STORAGE REQUIRED AT 60° = 384L
 $Q = (M \times C \times \Delta T) / t$
 $Q = [0.384 \times 1.16 \text{ kJ/Wh/m}^3 \times C \times (60 - 20)] / 2.5h$
 $Q = 7.12 \text{ kW}$

Drawing no. 0108/15

PROPOSED ALTERATIONS AND ADDITIONS TO EXISTING DWELLING
 FOR Mr B. & Mrs L.M. Mason
 90 Margaret Maytom Avenue
 sub 2 of lot 3137 Durban North

OWNER'S SIGNATURE: [Signature]

OWNER'S PHONE NO. 082 7709 391

DRAWN BY: M. VAN BREEMEN

DATE:

SCALES: 1:100

ARCHITECTURAL PLANS
 15 ELDERBERRY DRIVE
 GLEN HILLS, DURBAN, 4051
 PH. 0731735815 / 0833060942
 Email: michelle-arch1@outlook.com
 REGISTRATION NO. ST1451