

GLAZING SCHEDULE

Window/door number	Dimensions	Area	Frame material	Frame type	Glazing material	No. of sides supported	Glazing pane min. thickness	Glazing pane max. area
W01, W02	2000 x 2000	2.4msq	ALUMINIUM	SIDING	MONOLITHIC ANNEALED GLASS	ALL SIDES	4mm	1.5m ²
W03	500 x 2000	0.45msq	ALUMINIUM	SIDING	MONOLITHIC ANNEALED GLASS	ALL SIDES	4mm	1.5m ²
W04, W06, W09, W10	1300 x 2000	1.56msq	ALUMINIUM	SIDING	MONOLITHIC ANNEALED GLASS	ALL SIDES	4mm	1.5m ²
W05	800 x 2000	0.46msq	ALUMINIUM	AWNING	MONOLITHIC ANNEALED GLASS	ALL SIDES	4mm	1.5m ²
D01	2670 x 2000	5.6msq	ALUMINIUM	SLIDING	TOUGHENED SAFETY GLASS	ALL SIDES	4mm	3.0m ²
W07, W08, W11	800 x 2000	0.46msq	ALUMINIUM	AWNING	TOUGHENED SAFETY GLASS	ALL SIDES	4mm	3.0m ²

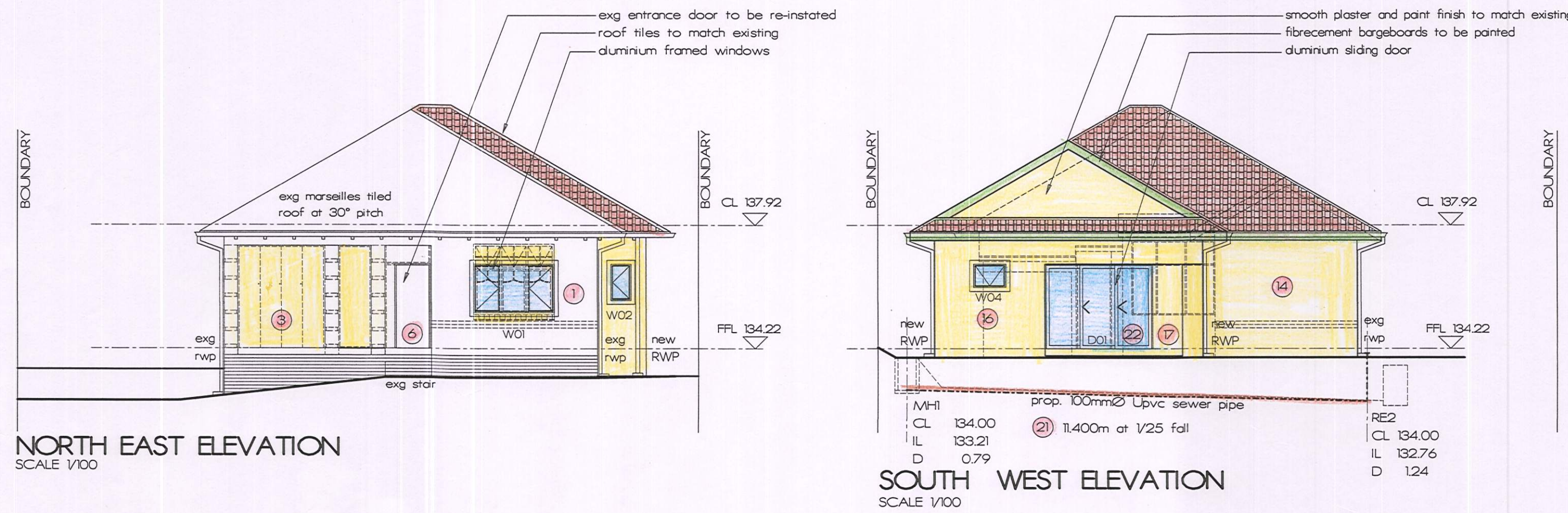
GENERAL NOTES:

- All glazing to comply with SANS 10400-N:2010.
- Floot glass to comply with SANS 50572-VEN 5721 & 5722.
- Toughened & Laminated safety glass to comply with SANS 1263-1.
- ALL individual panes of safety glazing material to be permanently marked by installer and a certificate to such effect to be issued to the owner on completion of installation.
- Installer to issue a certificate on completion of the glazing installation and that the glazing material indicated has been installed in the position indicated and such installation complies with the provisions of SANS 1037.
- No changes are to be effected to the size, thickness or type of glazing material without prior approval of the Architectural Professional, as any such changes may affect the compliance with SANS 10400-N and the National Building Regulations.
- All sizes are inclusive of frames and should not be taken as glazing sizes only.
- All frameless shower doors in main house to have minimum 10mm toughened safety glass over a maximum glazed area of 2.1msq.

FENESTRATION CALCULATIONS

ORIENTATION	WINDOW NO.	WINDOW AREA
NE	W01	2.40msq
NW	W02	2.40msq
NE	W03	0.45msq
NW	W04	1.56msq
SW	W05	0.46msq
SW	D01	5.61msq
SE	W06	1.56msq
SE	W07	0.46msq
SE	W08	0.46msq
SE	W09	1.56msq
SE	W10	1.56msq
SE	W11	0.46msq
TOTAL AREA WINDOWS		18.94msq

ZONE	NET FLOOR AREA	TOTAL GLAZED AREA	%AGE OF AREA OP GLAZING TO FLOOR AREA	CONDUCTIVITY VALUE OF FRAME - U-value	MAX SOLAR HEAT GAIN CO-EFFICIENT (SHGC value)
SH	176.26msq	18.94msq	10.75%	<20% (35.25msq) therefore, ANY SOLUTION	<20% (35.25msq) therefore, ANY SOLUTION



ROOF ASSEMBLY CALCS

ZONE	DIRECTION OF HEAT FLOW	MIN. TOTAL R' VALUE REQD
SH	DOWNWARD	2.7msqK/W

R' VALUE OF PROPOSED ROOF ASSEMBLY - CONCRETE ROOF TILES	
CONCRETE ROOF TILES	0.48msqK/W
9.0mm RHINOBOARD CEILING	0.06msqK/W
100mm THIN PINK INSULATION	2.29msqK/W
TOTAL	2.84msqK/W

PART XA - insulation

Install 50mm thick non-combustible, lightweight glasswool geyser blanket around geyser. Seal edges with duct tape.

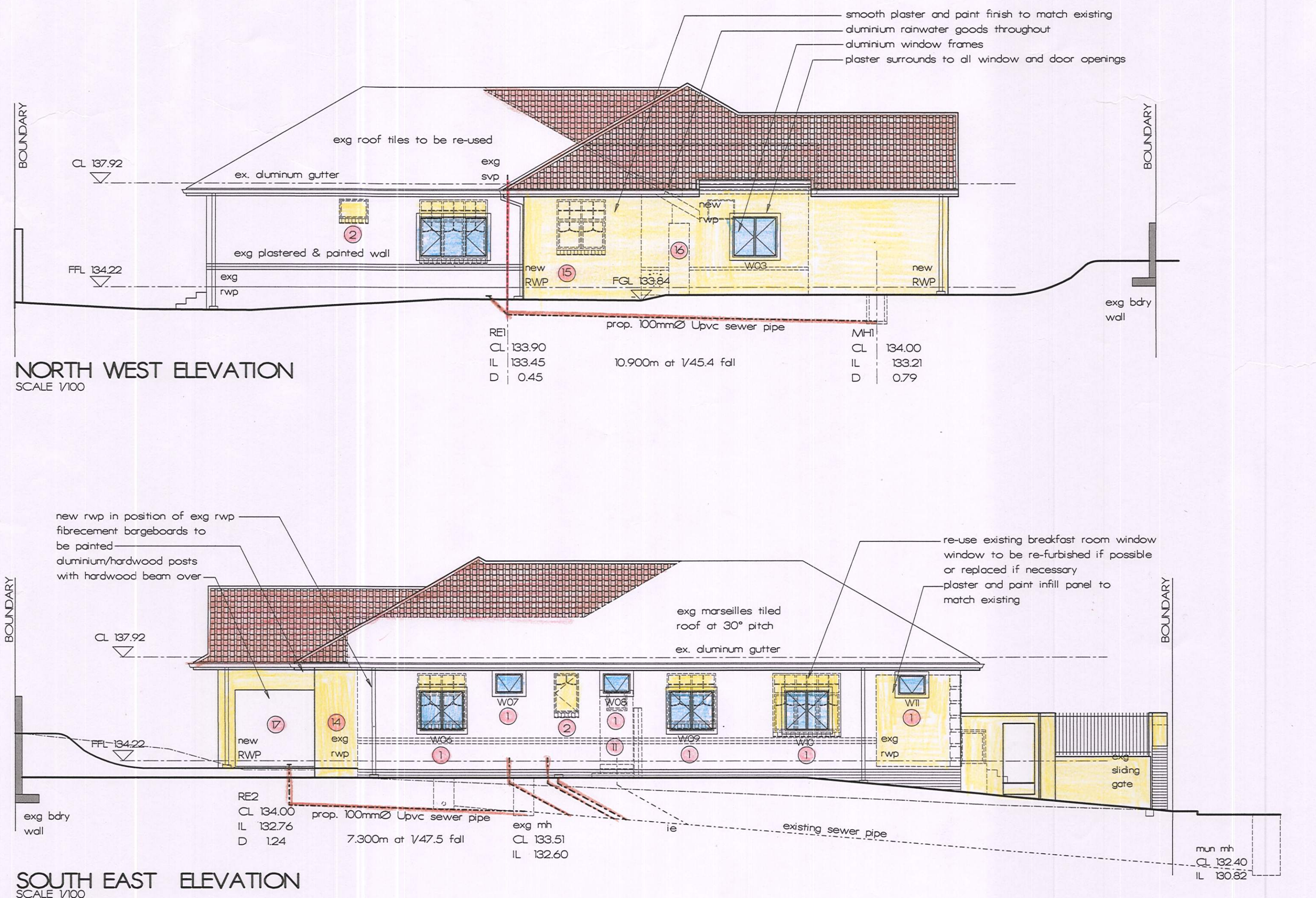
Apply 20mm 'snap-on-pipe' on incoming cold water pipes and insulate all outgoing hot water pipes to within 1.0m of plumbing fixtures.

provide 100mm thick flexible fibre glass blanket with overlaps of minimum 50mm over a wall member or to be tightly fitted against walls thickness of blanket to be maintained throughout

ANNUAL ENERGY DEMAND & CONSUMPTION

TYPE OF LIGHT	WATTAGE/FITTING	NO. OF LIGHTS	TOTAL WATTS/ITEM	HRS USED/DAY	TOTAL DEMAND/DAY	TOTAL HRS/YEAR
LED DOWNLIGHTER	5W	31	155W	hrs/day	930hrs	338520 Wh/msq
CEILING LIGHT	9W	4	36W	hrs/day	26hrs	78624 Wh/msq
TOTAL ENERGY CONSUMPTION - ADDITIONS			191W			417144 Wh/msq

STOREY	AREA	TOTAL WATTS/ ITEM	MAX ANNUAL DEMAND/msq	ACTUAL ANNUAL DEMAND/msq	TOTAL KW/ HRS/YEAR	MAX TOTAL KW/ HRS/YEAR/ALLOWED	ACTUAL TOTAL KW/ HRS/YEAR/msq
ADDITIONS	116.70msq	191W	45V/msq	16.37V/msq	417.144Wh/msq	60KW/msq/a	3575Wh/msq/a



OWNER
DGS HOLDINGS AND INVESTMENTS (PTY) LTD

signature

billing no. 83378254169

project
DEVIATIONS TO APPROVED PLAN NO. 168 TI 18

address
11 PALM GROVE

cadastral description
PTN 1 OF ERF 517 BRICKFIELD

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20.10.2022	