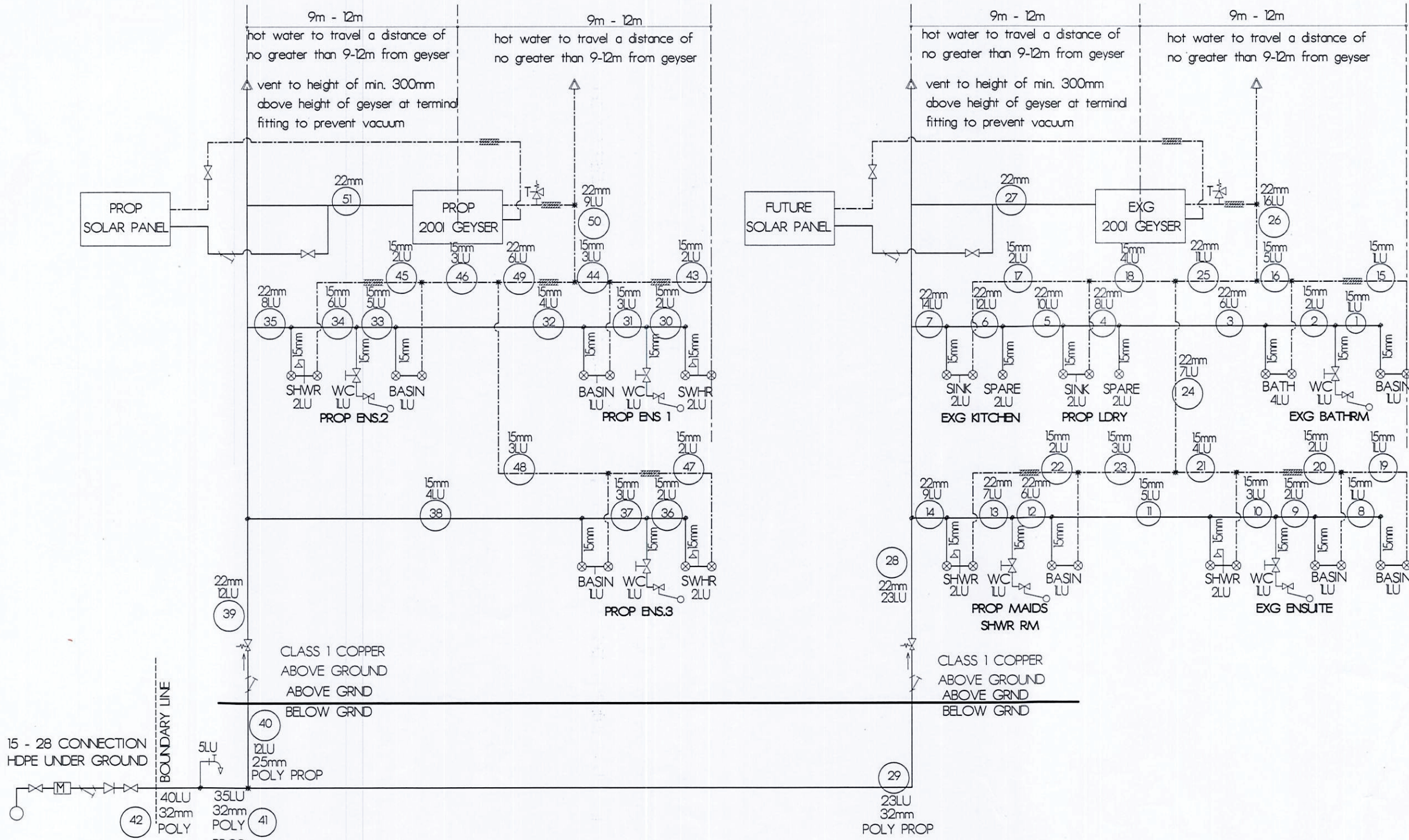
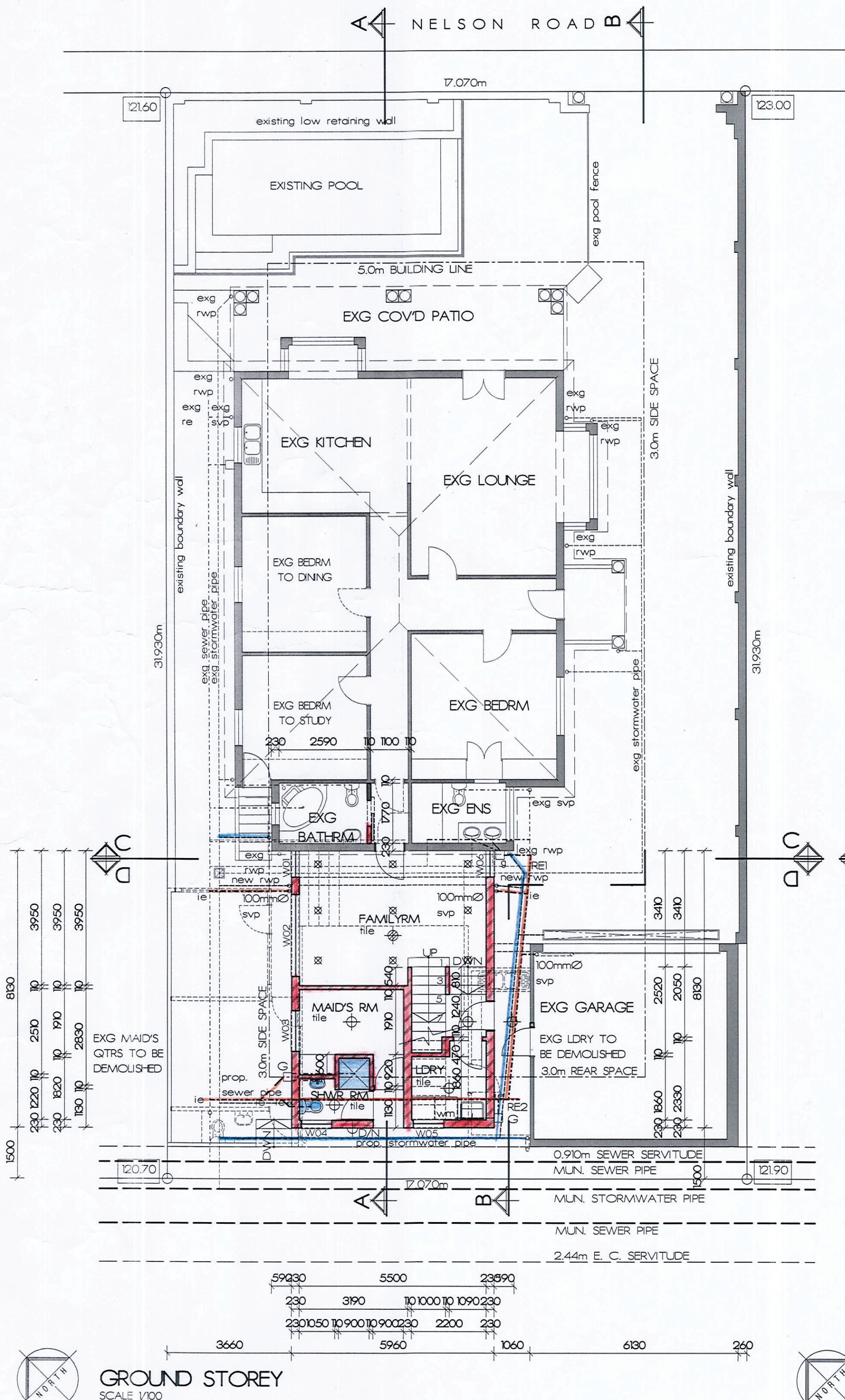


HOT WATER DEMAND - main building

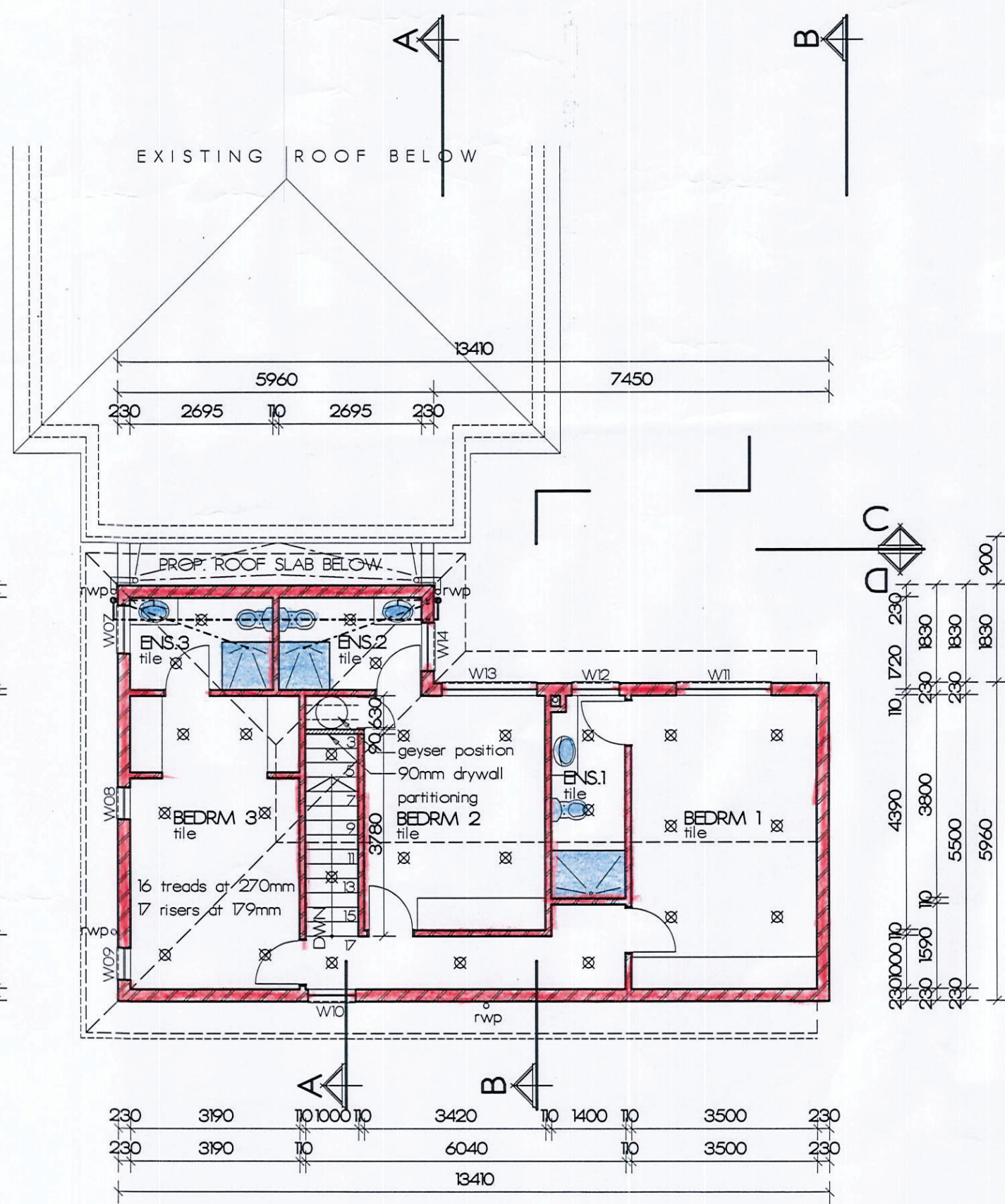
OCCUPANCY	OCCUPANCY TYPE	NO. OF BEDRMS	NO. OF PEOPLE	TOTAL HOT WATER DEMAND/CAPITA/DAY	TOTAL HOT WATER DEMAND
H4	MEDIUM TO HIGH RENTAL	3	6	15L PER CAPITA PER DAY	6 x 15L/d = 90L/DAY +20% water loss = 828L/DAY 50% x 104L/DAY = 44L/DAY
SOLAR HEAT INPUT REQD $H = (V \times C \times \Delta T) / n$ $H = (0.414 \times 4.18 \times 40) / 0.56$ $= 123.608.571 \text{ kJ/DAY}$		AREA OF SOLAR COLLECTORS REQD $A = H / S$ (winter solar radiation) $A = 123.608.571 \text{ kJ} / 11000 \text{ kJ/m}^2$ $= 11.4 \text{ msq}$		STORAGE VOLUME/ CARITA/DAY @60° 40L PER CAPITA 6 x 40L/d = 240L/DAY +20% water loss = 288L/DAY MIN. TANK SIZE = 300L	

AREAS

EXISTING HOUSE	137.95msq	OCCUPANCY CLASSIFICATION	H4
PORCH	37.5msq	ZONING	SR 400
COVERED PATIO	19.08msq	SITE AREA	545msq
GARAGE	38.08msq	COVERAGE ALLOWED(50%)	272.50msq
TOTAL EXISTING	198.87msq	COVERAGE EXISTING	198.87msq
PROP ADDS GROUND STOREY	48.46msq	COVERAGE PROPOSED	58.12msq
COVID WALKWAY	9.66msq	COVERAGE TOTAL	256.99msq
FIRST STOREY	86.33msq	COVERAGE REMAINING	15.5msq
TOTAL PROPOSED AREA	144.45msq		
TOTAL COVID AREA	343.32msq		



ALL WATER RETICULATION & DRAINAGE TO BE INSTALLED ON SITE AS PER SANS 10252:2002
SCHEMATIC WATER RETICULATION SYSTEM
NTS



FIRST STOREY
SCALE 1/100

GENERAL NOTES

All work to comply with SANS 10400.
Contractor to check all dimensions and levels (schedules and details) before the relevant work is placed in hand and report any discrepancies to the DESIGNER/OWNER.
All written dimensions to be taken in preference to scaling.
Any discrepancies and omissions are to be brought to the DESIGNER/OWNER'S attention immediately.
The contractor is to inspect the official approved copies of the drawings to ensure that all amendments have been taken into account.
The attention of the owner is drawn to the fact that changes to the plan and/or specification after official approval is likely to invalidate that approval.
All existing work to be made good if affected by new work.

SITING & EXCAVATION

If on excavation the site is found to contain expansive clay, shale, ground water or other suspect soil conditions, then all foundations are to be built to professional engineers details & under his supervision.
All foundations to be taken down below natural ground level.
Natural ground line in approximate position only and no claim can be made for any discrepancies on site.

drainage notes

minimum of 450mm of cover to be maintained over all drainage pipes at all times.
positions & levels of sewer pipes to be determined & verified on site prior to commencement of work.
ie/s are to be provided at all junctions.
re/s or m/s to be provided at all changes in direction of sewer drainage pipes.
any/all damaged fittings are to be replaced.
all gully surrounds & manhole covers to be 75mm above ground level.
all sewer drainage pipes to be bridged over beneath all walls & to be encased in concrete beneath all hardened surfaces or to be 100mm2 upvc ribbed pipe.
300x200mm ACCESS PANELS ARE TO BE PROVIDED TO ALL DUCTS AT LEVELS THAT PROVIDE ADEQUATE ACCESS TO PLUMBING JUNCTIONS & SHOULD BE LOCATED PREFERABLY ON THE OUTSIDE.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	W
⊗	LED DOWNLIGHTER	5w
⊕	WALL LIGHT WITH PHOTOCELL (D/N)	max 9w
⊕	12m FLUORESCENT	36w
⊕	B-PIN CHANDELER with energy saving bulbs	max 25w
⊕	CEILING LIGHT	max 9w

GLAZING SCHEDULE

WINDOW/DOOR number	W01, W06, W10	W02	W03	W04, W05, W07, W12, W14
frame material	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
frame type	AWNING	AWNING	AWNING	FIXED
glazing material	A - MONOLITHIC ANNEALED GLASS B - TOUGHENED SG	MONOLITHIC ANNEALED GLASS	MONOLITHIC ANNEALED GLASS	TOUGHENED SG W05 - MONOLITHIC ANNEALED GLASS
no. of sides supported	ALL SIDES	ALL SIDES	ALL SIDES	ALL SIDES
glazing pane min. thickness	4mm	4mm	4mm	4mm
glazing pane max. area	A - 1.5m2 B - 3.0m2	1.5m2	1.5m2	3.0m2 W05 - 1.5m2
WINDOW/DOOR number	W08, W09	W11, W13	<p>GENERAL NOTES:</p> <ul style="list-style-type: none">All glazing to comply with SANS 10400-N:2010.Floor glass to comply with SANS 50572-1/EN 572.1 & 572.2Toughened & Laminated safety glass to comply with SANS 1263-1All individual panes of safety glazing material to be permanently marked by installer and a certificate to such effect be issued to owner on completion of installationInstaller to issue a certificate on completion of the glazing installation & that the glazing material indicated has been installed in the position indicated and such installation complies with the provisions of SANS 10400-NNo 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 to have min. thickness of 10mm toughened SG over a max. area of 2msq	
frame material	ALUMINIUM	ALUMINIUM		
frame type	AWNING	AWNING		
glazing material	A - MONOLITHIC ANNEALED GLASS B - TOUGHENED SG	TOUGHENED SAFETY GLASS		
no. of sides supported	ALL SIDES	ALL SIDES		
glazing pane min. thickness	4mm	4mm		
glazing pane max. area	A - 1.5m2 B - 3.0m2	3.0m		

NAME	ADDRESS	TEL. NO.	SIGNATURE
Ben Amos	5 ROSEANNE PLACE, ESSENWOOD	0832980644	Ben Amos
FAISAL	15 NELSON ROAD, ESSENWOOD	0734083136	FHOSAN

client
S. RAMA & C. W. LEUNG

signature

project
PROPOSED ADDITIONS & ALTERATIONS TO EXISTING DWELLING

address
21 NELSON ROAD

cadastral description
PORTION 33 OF ERF 2125
DURBAN

metro acc. no.

scale
AS SHOWN

sheet no.
1/2

job no.
n24-22 w30

date
23.11.2021

DESIGN & drawing
TECHNOLOGY
PR. SNR ARCHITECT
NOSHAMOUN
137 RILEY ROAD
ESSENWOOD,
DURBAN, 4001
CELL: 0832980644
FAX: 0866956139
nazleen.drawing@gmail.com