

ENERGY USAGE IN BUILDING TO COMPLY WITH SANS 10400-XA:2021
 ENERGY ZONE: 5H HIGH HUMIDITY

EXTERNAL WALLS TO BE COLLAR JOINTED WALLS:
 EXTERNAL WALLS TO COMPLY WITH A MINIMUM DENSITY OF 270kg/m3

ROOF ASSEMBLY WITH CEILING AND TILES
 ROOF INSULATION TO COMPLY WITH A R VALUE OF 2.7ms/Kw.
 ADDITIONAL ROOF INSULATION: CELLULOSE LOOSE FIBRE : 90MM THICK

HOT WATER SUPPLY:
 NO OF PERSONS: 2X4 ROOMS=8
 USAGE PER DAY 115L/p/d
 TOTAL USAGE PER DAY: 115x8=920l
 PROVIDE 300L SOLAR GEYSER (KWIKOT)
 50% OF VOLUME HEATED BY SOLAR PANELS
 50% ODF VOLUME HEATED BY ELECTRIC RESISTANCE.

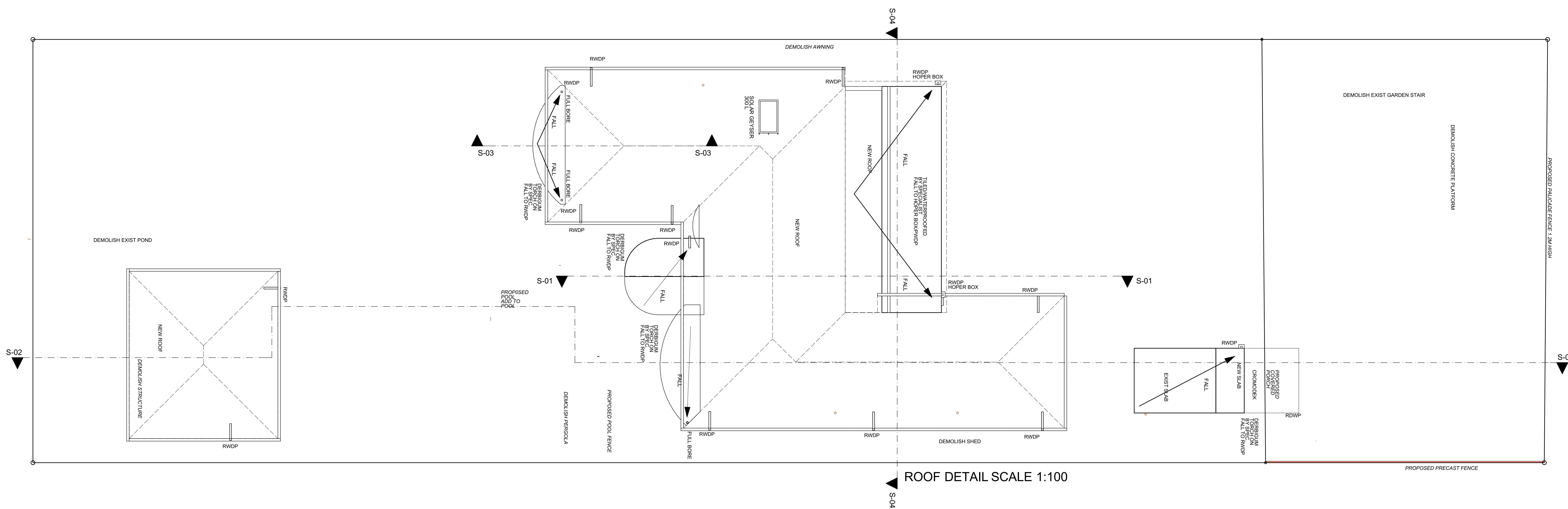
PIPE INSULATION:
 MINIMUM R VALUE =1msKw
 TO BE INSULATED 1M BEFORE SUPPLY AND 1M AFTER GEYSER.

AIR SEALING
 COMPRESSIBLE STRIPS OR FIBROUS SEALS TO ALL WINDOWS AND DOORS ON EXTERNAL WALLS. AIR LEAKAGE TO COMPLY WITH REQUIREMENTS OF SANS 613.

AIR CONDITIONING
 SPLIT UNITS TO BETWEEN 7₁₉ TO COP VALUE OF 2.9 AND COP_h VALUE OF 3.2

LIGHTING AS PER OCCUPANCY H4
 ALL LIGHTING TO LED TECHNOLOGY:DEEMED TO SATISFY SANS 10400 XA 2001 6.2

FENESTRATION: SUPPLIER/INSTALLER TO SUPPLY THE SPECIFIED THICKNESS, U VALUE AND SHGC VALUE AS SPECIFIED ON THE FENESTRATION SCHEDULES ACCOMPANIED BY A COC CERTIFICATE FOR ALL FENESTRATION



ROOF DETAIL SCALE 1:100

CATEGORY: H4
 OWNERS SIGNATURE: *Gramani*
 OWNER CONTACT: 0833868335
 AUTHORS SIGNATURE: *Gramani*

PROPOSED ADDITIONS AND ALTERATIONS
 BOUNDARY WALL ON ERF 2602
 AMANZIMTOTI AT 341 IPAPLA ROAD
 ATHLONE PARK
 FOR:
GRAMANI FAMILY TRUST
 REGISTRATION NUMBER: IT 128804N

DRAWN:
 DESIGN ZONE
 G.S.NAICKER
 38 MERMAID AVENUE
 SEA TIDES
 TONGAAT
 4399

CONTACT: CELL 0837921721
 gn.designzone@gmail.com
 SACAP T0070

GFT-23