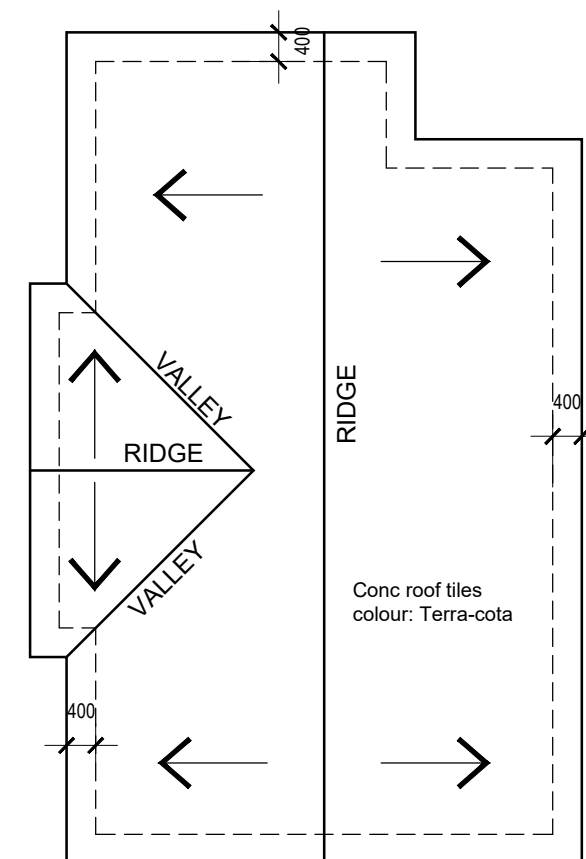


A1

DOOR SCHEDULE									
DOOR TYPE:	TYPE "A"			TYPE "B"			TYPE "C"		
WALL	150mm BRICKWALL			150mm BRICKWALL			150mm BRICKWALL		
REF. NO	REF. NO	LOCATION							
	D02	BEDROOM 2	LH	D07	KITCHEN	LH	D08	LIVING	SLIDING
	D03	MAIN BEDROOM	LH						
	D04	ENSUITE	RH						
	D05	BATHROOM	RH						
	D06	BEDROOM 1	LH						
NO. REQ	FIVE (05)			ONE (01)			ONE (01)		
FRAME	GALV. PRESSED STEEL DOOR FRAME. 15mm THICK FOR 150mm WALL.			GALV. PRESSED STEEL DOOR FRAME. 15mm THICK FOR 150mm WALL.			STANDARD ANODIZED ALUM. FRAME WITH BEADING. FRAMES FITTED AFTER BRICKWORK.		
LEAF	813 x 2032 x 44mm SEMI SOLID CORE FLUSH PANEL DOOR, WITH HARDWOOD EDGING.			813 x 2032 x 44mm SOLID CORE STABLE DOOR.			1800 x 2100 SLIDING DOOR.		
FINISH	1 CT PINK WIPRIMER & 2 CTS SUPER ENAMEL			SANDIED & 3 COATS OF CLEAR VANISH.			6mm CLEAR SAFETY GLASS (SANS 10400 PART N)		
I/MONGERY	1 DOVE LEVER HANDLES L 2 LEVER MORTICE LOCKSET.			1 DOVE LEVER HANDLES L 2 LEVER MORTICE LOCKSET.					



ROOF PLAN  
Scale 1:100

WINDOW SCHEDULE			
TYPE: PTT1515		TYPE: PT99	
QTTY: FOUR (04)		QTTY: THREE (03)	
LOCATION	ORIENTATION	LOCATION	ORIENTATION
LIVING ROOM	SOUTH EAST ELEVATION	BATHROOM	SOUTH WEST ELEVATION
MAIN BEDROOM	NORTH EAST ELEVATION	KITCHEN	SOUTH WEST ELEVATION
BEDROOM 1	SOUTH WEST ELEVATION	ENSUITE	NORTH WEST ELEVATION
BEDROOM 2	NORTH EAST ELEVATION		
FRAME DESCRIPTION		FRAME DESCRIPTION	
STANDARD ANODIZED ALUM. FRAME COMPLETE WITH BEADING. WINDOW FRAMES TO BE FITTED AFTER THE BRICKWORK ALL AS PER THE MANUF. SPECS.		STANDARD ANODIZED ALUM. FRAME COMPLETE WITH BEADING. WINDOW FRAMES TO BE FITTED AFTER THE BRICKWORK ALL AS PER THE MANUF. SPECS.	
FINISH		FINISH	
ANODIZED.		ANODIZED.	
GLAZING		GLAZING	
ALL GLASS PANE TO BE SAFETY GLASS AS PER SANS 10400 PART N. 6MM CLEAR/TOUGHENED SAFETY GLASS BEADINGS TO BE USED TO FIX GLASS INTO POSITION.		ALL GLASS PANE TO BE SAFETY GLASS AS PER SANS 10400 PART N. 6MM CLEAR/TOUGHENED SAFETY GLASS BEADINGS TO BE USED TO FIX GLASS INTO POSITION.	

OCCUPANCY CLASSIFICATION OF BUILDING:			
Occupancy	H4		
Total Nett Floor Area	53,80 m²		
Total Floor Area	65,00 m²		
Design Occupancy Time	24hrs per day / 7 days per week		
Building Orientation	NORTH		
Climatic Zone	Springs		

#### SANS 10400XA COMPLIANCE CALCULATIONS: DEEM TO SATISFY

Glazing Area:					
REF NR.	WIDTH	HEIGHT	AREA	QTY	TTL AREA
PT1515	1.500m	1.500m	2,25 m²	4	9,00 m²
PT99	0,900m	0,900m	0,81 m²	3	2,43 m²
SD1821	1,800m	2,100m	3,78 m²	1	3,78 m²
Total Glazing					15,21 m²

#### CHECK FOR COMPLIANCE WITH SANS 10400XA

##### CALCULATIONS

Nett Floor Area:	53,80 m²
Glazing Area:	15,21 m²

$$(\text{glazing area} / \text{nett floor area}) \times 100 = 28,27\% \text{ } [ > 15\% ]$$

(15,21 m² / 53,80 m²) x 100 = 28,27% [ > 15% ]

Do not comply with max 15% as per SANS 10400XA

Where the total area of the glazing elements of a storey is greater than 15% of the nett floor area of the storey, the requirements contained in SANS 204 shall be complied with.

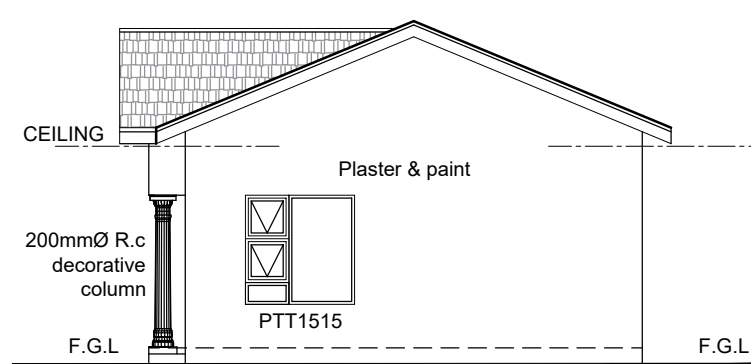
#### HOT WATER SERVICES

Daily hot water usage	Dwelling houses - Medium rental : 115-140 L/capita/day
Type of accommodation	4 per day
No. of persons	4
Assumed daily hot water consumption	560 L
Assumed annual hot water consumption	203,84 kL - based on daily design occupancy per week
50% of annual hot water consumption	101,92 kL - To be provided by means other than electrical heating

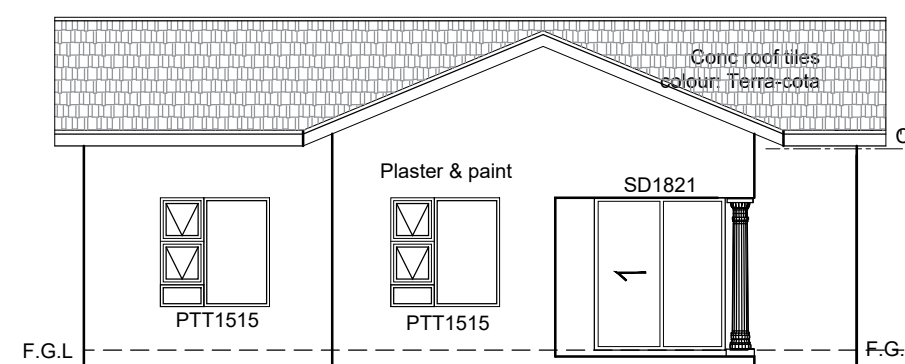
**Conclusion:**  
Dwelling to be provided with min 280L water vessel.  
Electrical and Solar heating system combination, installed by specialist and shall comply with SANS 1307, 10106, 10254 and SANS 10252-1

Insulation Requirements:	
Internal diameter of Hot water pipe	= 80
Min required R - value for Pipe insulation	1,0

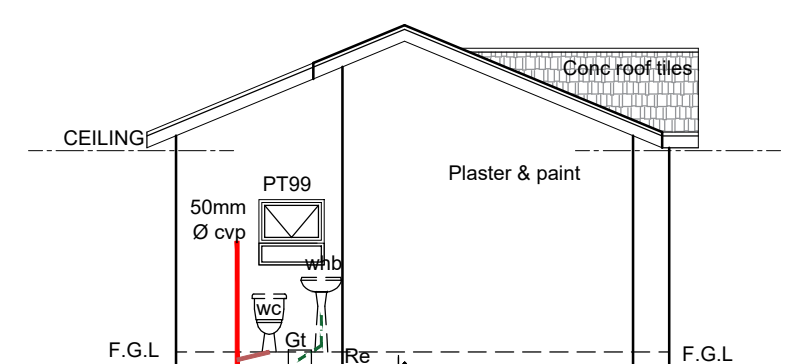
Hot water Vessel / Tanks:	
Min required R - value for Vessel/ Tank	2,0



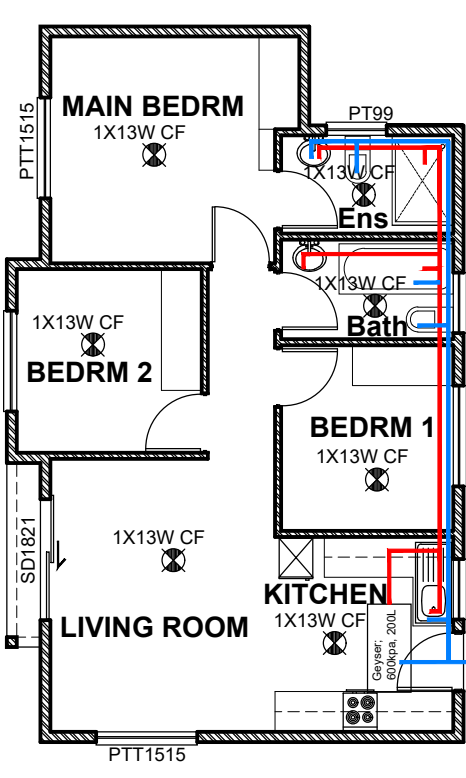
SOUTH WEST ELEVATION  
scale 1:100



NORTH WEST ELEVATION  
scale 1:100



NORTH EAST ELEVATION  
scale 1:100



FLOOR PLAN  
Scale 1:100 Area = 65,0 M²

#### WATER SYSTEM LEGEND:

- COLD WATER
- HOT WATER

#### CALCULATION SHEET:

- SANS 10400 XA
- SANS 204
- ENERGY CONSUMPTION: LIGHTING
- ENERGY DEMAND
- ENERGY CONSUMPTION
- HOT WATER SERVICES/ SUPPLY
- EXTERNAL WALL CONSTRUCTION
- 1 ALTERNATIVE WALL CONSTRUCTION
- ROOF ASSEMBLY
- UNDER FLOOR HEATING

ALL CALCULATIONS ARE BASED ON THE DRAWING DESIGNS AND WINDOWS SCHEDULES.

ANY CHANGE ON SITE WILL HAVE AN EFFECT ON THE CALCULATIONS.

BEFORE ANY CHANGES, THE PLANNED CHANGES MUST BE RECALCULATED TO ENSURE COMPLIANCE WITH SANS 10400XA AND SANS 204 AND OTHER REFERRED SANS COMPLIANCE REQUIREMENTS

**RESPONSIBILITY**  
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THE COMPLETED FORMS TO BE SUBMITTED TO THE LOCAL MUNICIPALITY .

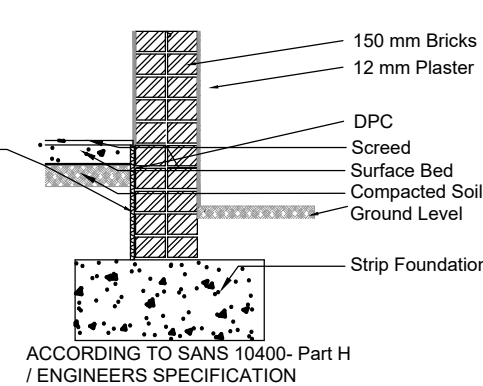
#### EXTERNAL WALL CONSTRUCTION

SANS 10400 Table 3 - Minimum CR-value, in hours, for external walling

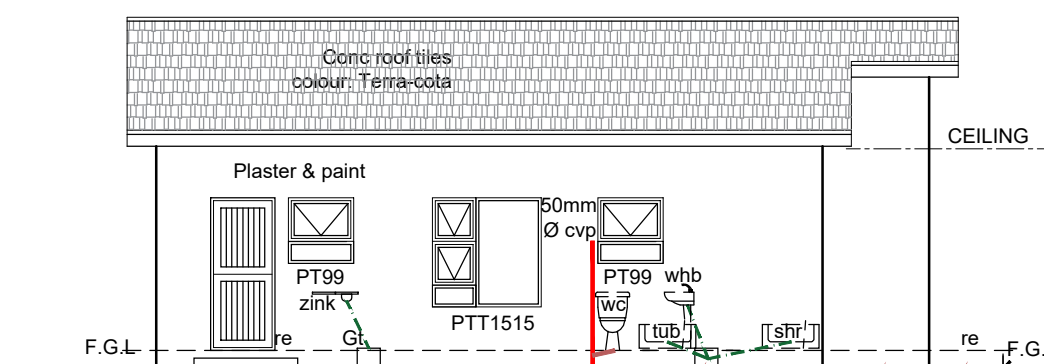
Wall type	Masonry: Single masonry wall, plastered internally and externally
Minimum CR-value	80 hrs
Minimum R-value required	0,35

CALCULATION			
	Conductivity (W/m.K)	Thickness (m)	Resistivity (m²K/W)
External Plasterwork	0,6	0,015	0,03
Brickwork	0,7	0,230	0,33
Internal Plaster	0,6	0,015	0,03
Total R-value Achieved			

**Conclusion:**  
Wall complies with minimum R-value of 0.35 for external walls

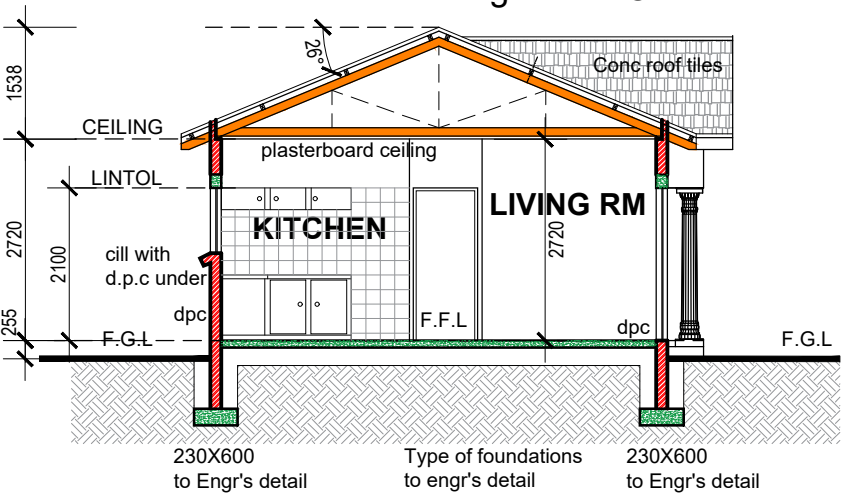


General Slab Insulation Detail  
Scale 1:25



SOUTH EAST ELEVATION  
scale 1:100

Rational Design:  
Certificate to be given to Owner.



SECTION A-A  
scale 1:100

#### GENERAL NOTES:

- Contractor Notes:**
  - No construction may proceed on site prior to the approval of drawings by the local authority. Any building work that commences prior to the building plan approval is completely at the owner's own risk.
  - The Architect may not be held responsible for any loss or damage whatsoever that may result from building works without approved building plans.
  - Contractor to verify all levels, heights and dimensions on site and to check same against the drawings before putting any work in hand. Levels are approximate and must be verified by the Contractor prior to pricing and construction. Relative floor levels will be determined after installation of master datum.
  - Any discrepancies on drawings must be pointed out by the Contractor to the Architect prior to construction.
  - Contractor is responsible for correct setting out of the buildings, all external walls with particular reference to boundaries, building lines, etc. Any errors, discrepancies or omissions to be reported to the Architect immediately.
  - Contractor responsible to engage Building Inspector on each Construction Stage, to get full satisfaction in compliance with Local Authority by-law and regulations.
  - Burnt clay bricks only shall be used unless specific approval is obtained from the Architect alternative type of bricks.
  - Conditions: The civil/structural engineer is responsible for soil test.
- Certificates required:**
  - The following certificates of compliance to SABS and NBR standards may be required from the Contractor by the Architect:
    - FOUNDATION CERTIFICATE: Engineer.
    - DPC: Council Inspector.
    - ELECTRICAL INSTALLATION: Specialist Sub-contractor.
    - PLUMBING AND DRAINAGE: Specialist Sub-contractor.
    - ROOF STRUCTURE: Specialist Sub-contractor and/or Engineer.
    - TRAFFIC AND ROAD MARKINGS: Engineer.
    - FIRE SAFETY CERTIFICATE: Specialist and/or Council.
    - CONCRETE SLABS: Specialist Sub-contractor.
    - WATERPROOFING: Specialist Sub-contractor.
    - GLAZING: Specialist Sub-contractor.

- Materials and Finishes Notes:**
  - All finishing products such as window frames, roof, tiles, cornices, etc. must be approved by the Architect before ordering and installation.
  - All product used must comply with SABS standards and Local Authority Requirements.
  - Quality of all materials and workmanship to comply with the relevant SABS and SANS specifications and shall conform to the Standards specified in the Standard Particulars in the Bill of Materials available for perusal at the Architect's office.
  - Contractor is to build in approved DPC's whether or not these are shown on drawings to all external walls at each floor, beam or parapet level and to all window, door, grill or other opening in external walls.
  - All partition work to comply with SABS 082 on NBR.
- Building Standard Notes:**
  - All works must comply to the National Building Regulations and applicable SABS and NBR standards.
  - Drawings may not be scaled for construction purposes. Figured dimensions to be used at all times.
  - All drawings must be read in conjunction with one another.
  - Notes reflected on drawings apply for the entire project and works.
  - Any discrepancies on drawings must be pointed out by the Contractor to the Architect prior to construction and submission of tenders. If it's doubtful ask the Architect.
  - Contractors are to ensure that all details shown on this drawing are compliance with local authority by-law and regulations.
  - Contractors are to locate and identify existing services on site and to protect these from damage throughout the duration of the works.

- Glazing Notes:**
  - Contractor is to build in approved DPC's whether or not these are shown on drawings to all external walls at each floor, beam or parapet level and to all window, door, grill or other opening in external walls.
  - Any glass lower than 500mm from floor finish shall be safety glass. Any window at staircases must be safety glass.
  - Flashing Notes: Provide 0.6mm flashing at all parapets and areas where the roof line changes.
  - Brickwork Expansion Joints Notes: Refer to Engineer for brickwork expansion joints.
  - Revisions: Refer to drawing list for latest revisions on drawings.
  - Any queries arising from all the above must be reported to the Architect for clarification before any work is put in hand.

THE COMPLETED FORMS TO BE SUBMITTED TO THE LOCAL MUNICIPALITY .

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THE COMPLETED FORMS TO BE SUBMITTED TO THE LOCAL MUNICIPALITY .

A 14.07.2022 ISSUED FOR COUNCIL APPROVAL

REV NO: DATE: DESCRIPTION:

SIZE ON ORIGINAL DRAWING 100 mm

client

Ntombiyona Tshabalala

Client Approval

Sign ..... Date .....



Project  
Proposed Residence On  
Portion 3 of ERF 1096 Leispreu St  
Sharon Park Lifestyle Estate  
Ext 2 T/Ship

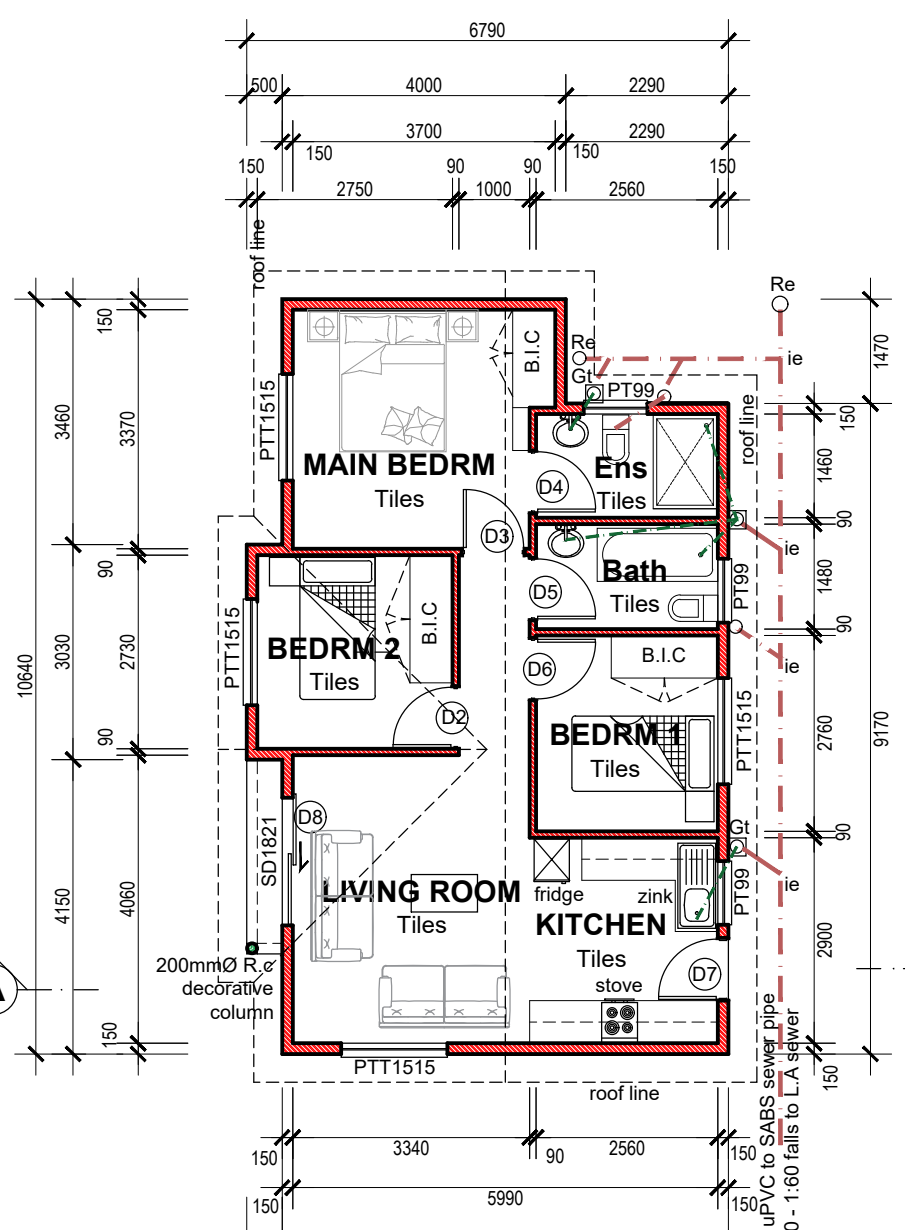
Status  
FOR APPROVAL

Drawing  
Plans, Elevations  
& Sections

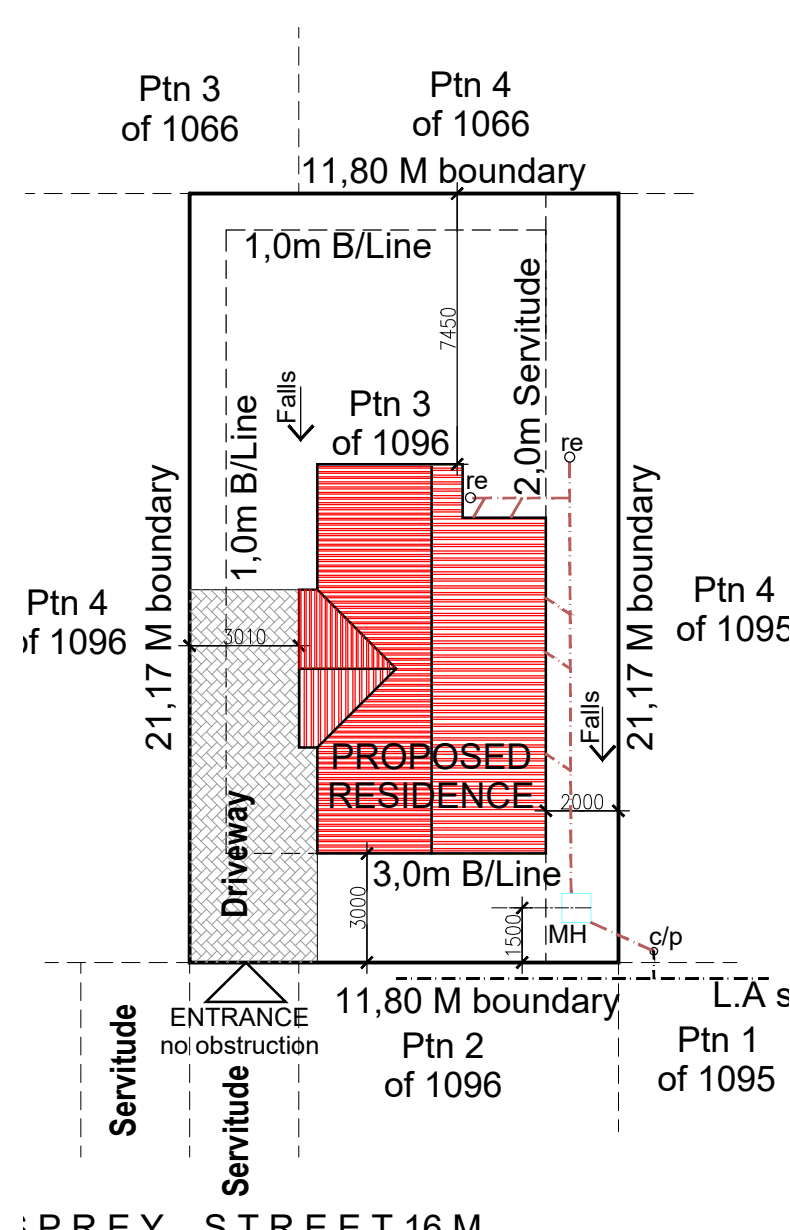
Checked  
DT (SACAP) ST2553

Scale  
as shown

Date  
Oct 2022



FLOOR PLAN  
Scale 1:100  
Area = 65,0 M²



SITE PLAN  
scale 1:200

AREA SCHEDULE	
ROOM	AREA M²
LIVING ROOM	13,4 M²
KITCHEN	7,7 M²
MAIN BEDROOM	11,5 M²
BEDROOM 1	6,8 M²
BEDROOM 2	7,3 M²
BATHROOM	3,6 M²
ENSUITE	3,5 M²
WALLS/PASSAGE	11,2 M²
TOTAL	65,0 M²

TTL FL.	= 65,0 M²
Stand Area	= 250 M²
Coverage	= 26,0 %