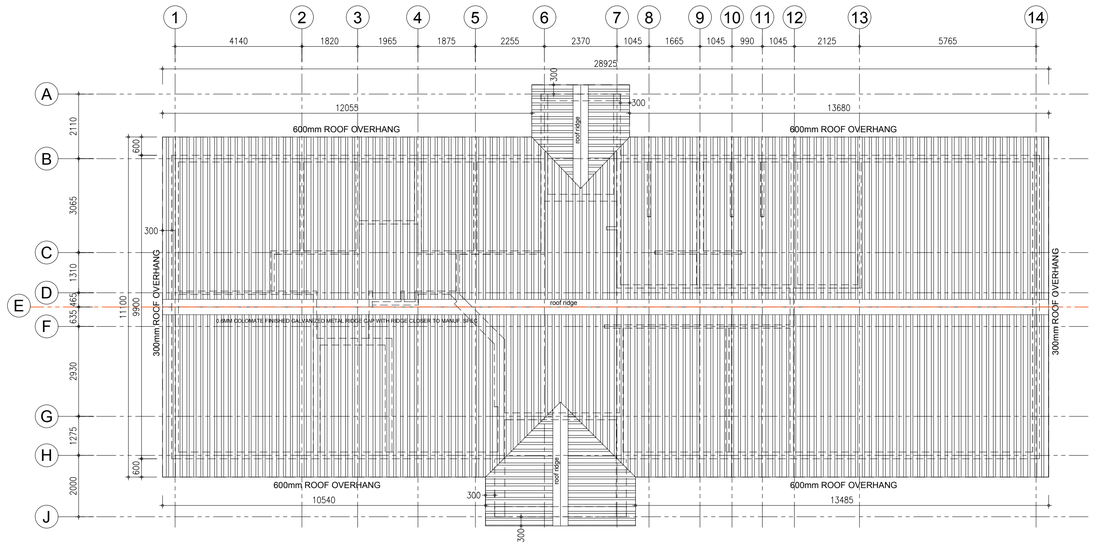


ROOF PLAN
Scale 1:100

METAL ROOF SHEETING INSULATION NOTE:

New Pitched Roof >10° pitch (non-ventilated) with horizontal ceiling below trusses, and – metal roof sheeting.

135mm Thick Isotherm non-combustible lightweight thermal insulation (fire performance classification B/B), closely fitted with ends butted firmly between purlins and laid loose on top of ceiling, all in accordance with manufacturer's recommendations. R-Value 3.14.

Outdoor air film (7 m/s) R-value 0.3. Indoor air film (still air)R-value 0.11.

Metal Roof Sheeting for outer protection (40mm thickness) R-Value 0.17.

Roof air space (non-reflective) (100-300mm thickness) R-value 0.15.

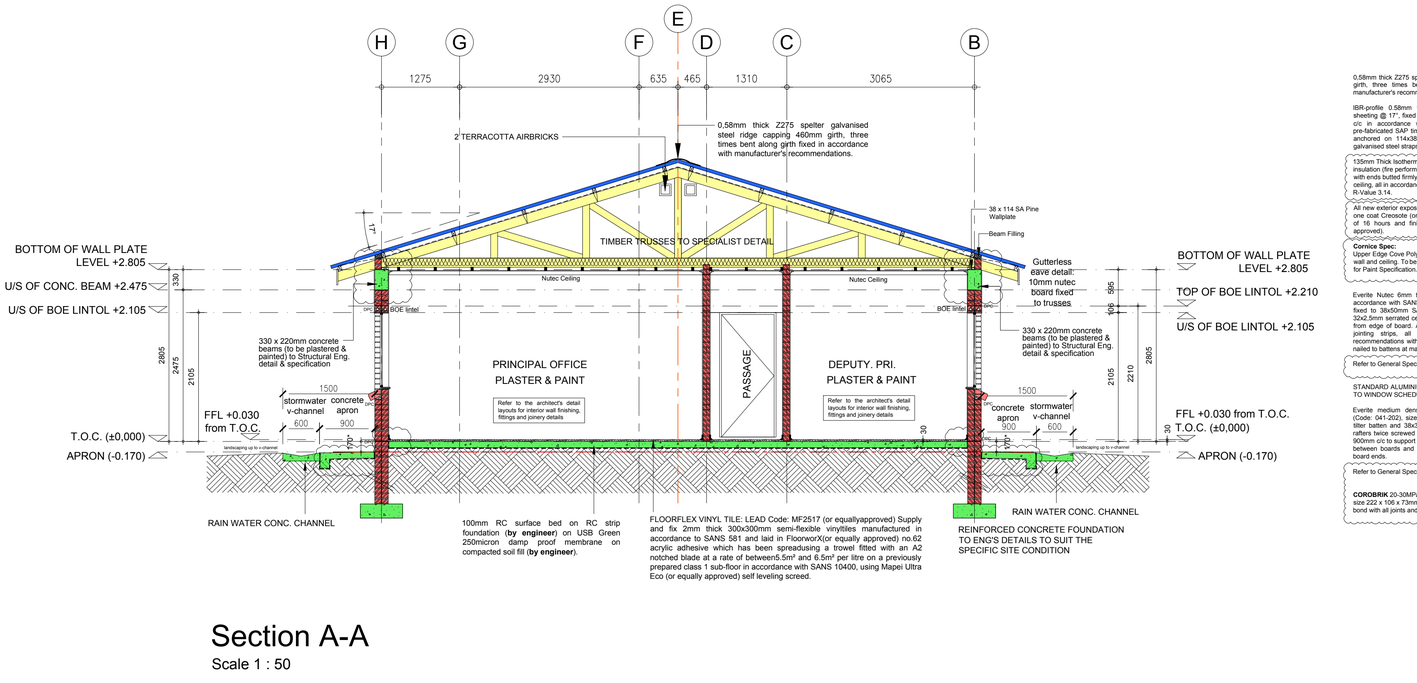
10mm Thick Gypsum plasterboard R-value 0.1.

Indoor air film (still air)R-value 0.11.

Insulate to R-value of 3.78 in upward direction.

Minimum R-value required 3.2 in upward direction.

COMPLY WITH SANS 204 IN CLIMATIC ZONE 2.



100mm RC surface bed on RC strip foundation (**by engineer**) on USB Green 250micron damp proof membrane on compacted soil fill (**by engineer**).

FLOORFLEX VINYL TILE: LEAD Code: MF2517 (or equallyapproved) Supply and fix 2mm thick 300x300mm semi-flexible vinylfiles manufactured in accordance to SANS 581 and laid in FloorworX(or equally approved) no.62 acrylic adhesive which has been spreadusing a trowel fitted with an A2 notched blade at a rate of between5.5m² and 6.5m² per litre on a previously prepared class 1 sub-floor in accordance with SANS 10400, using Mapei Ultra Eco (or equally approved) self leveling screed.

REINFORCED CONCRETE FOUNDATION TO ENG'S DETAILS TO SUIT THE SPECIFIC SITE CONDITION

Section A-A
Scale 1 : 50

0,58mm thick Z275 spelter galvanised steel ridge capping 460mm girth, three times bent along girth fixed in accordance with manufacturer's recommendations.

IBR-profile 0,58mm thick Z275 spelter galvanised steel roof sheeting @ 17°, fixed to 50x76mm SAP timber purlins @ 1200mm c/c in accordance with manufacturer's recommendations, on pre-fabricated SAP timber trusses (by specialist) @1000mm c/c, anchored on 114x38mm SAP timber wallplate with 30x1.6mm galvanised steel straps embedded 600mm into brickwork.

135mm Thick Isotherm non-combustible lightweight thermal insulation (fire performance classification B/B 1/2), closely fitted with ends butted firmly between purlins and laid loose on top of ceiling, all in accordance with manufacturer's recommendations. R-Value 3.14.

All new exterior exposed roof timbers to be planed and primed with one coat Creosote (or equally approved) with an overcoating time of 16 hours and finished with one coat Creosote (or equally approved).

Cornice Spec:
Upper Edge Cove Polystyrene Cornice (2000 x 60 x 60mm) fixed to wall and ceiling. To be painted white. Refer to General Specification for Paint Specification.

Everite Nutec 6mm thick plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, fixed to 38x50mm SAP timber brandering at 600mm c/c using 32x2.5mm serrated ceiling nails at 150mm c/c, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufacturer's recommendations with 83mm Masonite coved hardboard cornices nailed to battens at max. 300mm c/c all round.

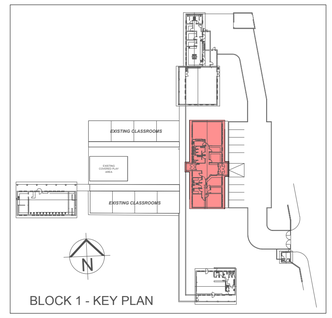
Refer to General Specification document for paint specification.

STANDARD ALUMINIUM POWDER COATED WINDOWS REFER TO WINDOW SCHEDULE

Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225x12mm, fixed to 76x50mm SAP timber tilter batten and 38x38mm SAP timber support battens between rafters twice screwed with 12x40mm countersunk brass screws at 900mm c/c to support battens with aluminium H-profile fascia joiner between boards and aluminium H-profile fascia corner joiners at board ends.

Refer to General Specification document for paint specification.

COROBRIK 20-30MPa Fynbos Geel - Satin FBS clay face brick, size 222 x 106 x 73mm, bedded and jointed in Class II in stretcher bond with all joints and perpends 6mm deep square recessed.



BLOCK 1 - KEY PLAN

GENERAL NOTES

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWING.

ALL DIMENSIONS, LEVELS, ETC. ARE TO BE CHECKED BEFORE ANY WORK IS COMMENCED AND ANY DISCREPANCIES NOTED TO BE BROUGHT TO THE ARCHITECT'S ATTENTION.

ONLY FIGURED DIMENSIONS TO BE USED, SCALING OF DRAWINGS IS NOT ADVISABLE.

ALL RIGHTS RESERVED. NO PARTS OF THIS DESIGN SHALL BE REPRODUCED, USED ELSEWHERE AND/ OR IN ANY WAY WITHOUT PRIOR PERMISSION FROM THE ARCHITECT/ ENGINEER.

GEOTECH INFORMATION

SOIL TYPE: _____

ASSUMED SOIL BEARING CAPACITY: _____ kPa

RECOMMENDED FOUNDATION TYPE: _____

RECOMMENDED FOUNDATION DEPTH: _____

REV No.	DATE	DESCRIPTION

MUNICIPAL APPROVAL

NAME: .....

SIGNATURE: .....DATE: .....

STAMPS:

CLIENT APPROVALS

North West Department of Education:

NAME: ..... SIGNATURE: ..... DATE: .....

DBSA Architect:

NAME: ..... SIGNATURE: ..... DATE: .....

DBSA OH&S:

NAME: ..... SIGNATURE: ..... DATE: .....

PRINCIPAL AGENT

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CONSULTING ENGINEERS (CESA)
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FIRM REG No: T.B.C.

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Department of Education
NORTH WEST PROVINCE

DEPARTMENT OF BASIC EDUCATION
222 STRUBEN STREET
PRETORIA

DISCIPLINE
ARCHITECTURAL

PROJECT NAME
Tshedimoso Primary School
PORTION 1 OF THE FARM MOOIPAN No. 104 - IO MEASURING - 33 479 m²

PROJECT STATUS

STAGE 1-3		STAGE 4		STAGE 5-6	
CONCEPT	X	TENDER		CONSTRUCTION	

DESCRIPTION
ADMINISTRATION (BLOCK 1) SECTION & ROOF PLAN

SCALE: AS SHOWN

DRAWN:	CHECKED:
NAME OF COMPETENT PERSON: M.L. van der Walt	NAME OF COMPETENT PERSON: A.A. Steyn
REG No: Pr.Arch. 7292	REG No: Pr.Arch. 20832
SIGNATURE	SIGNATURE

PROJECT NUMBER
S-TSH-001-30

DATE: 01-11-2021

OCCUPANCY CLASSIFICATION
A3

DWG No: 101/2

REV No: 03