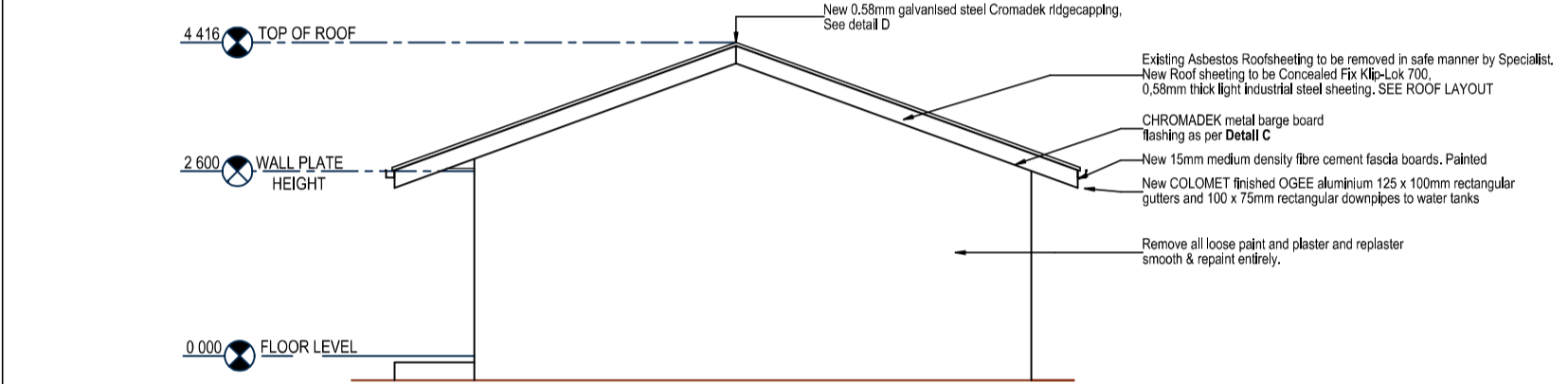


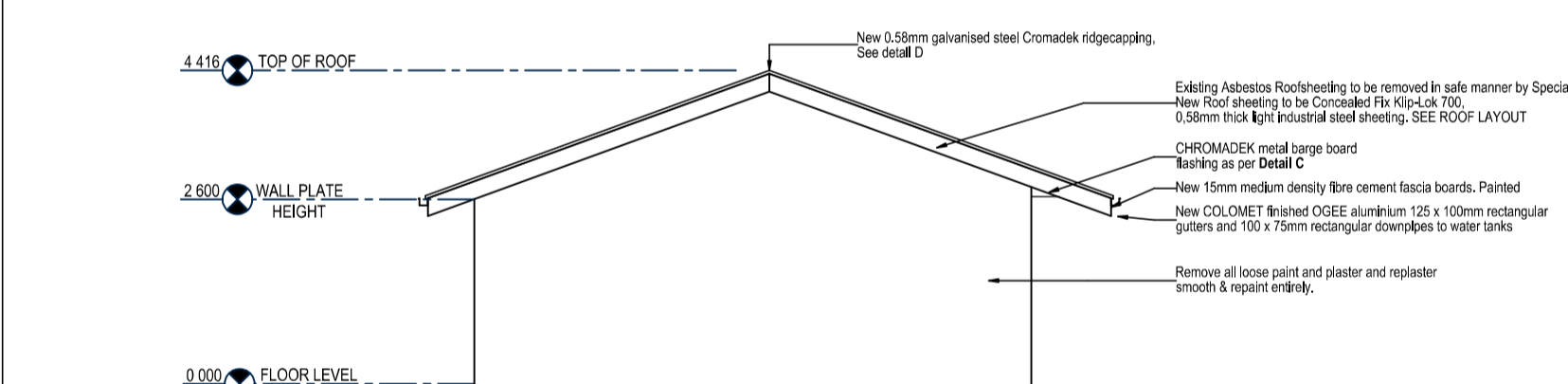
ROOF LAYOUT
Block A: Admin & 2x Classroom Block
Kwbulawayo HS
1:100



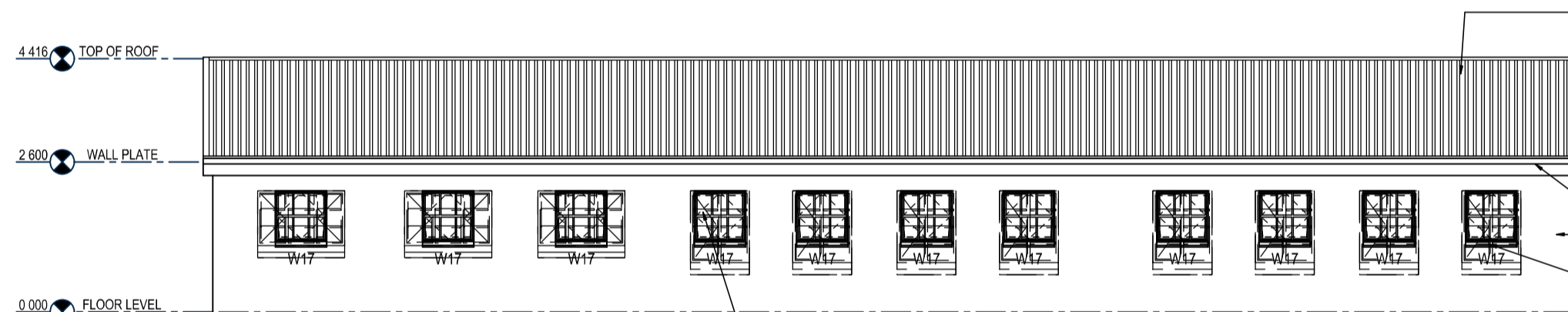
SOUTH ELEVATION
Block A: Admin & 2x Classroom Block
Kwbulawayo HS
1:100



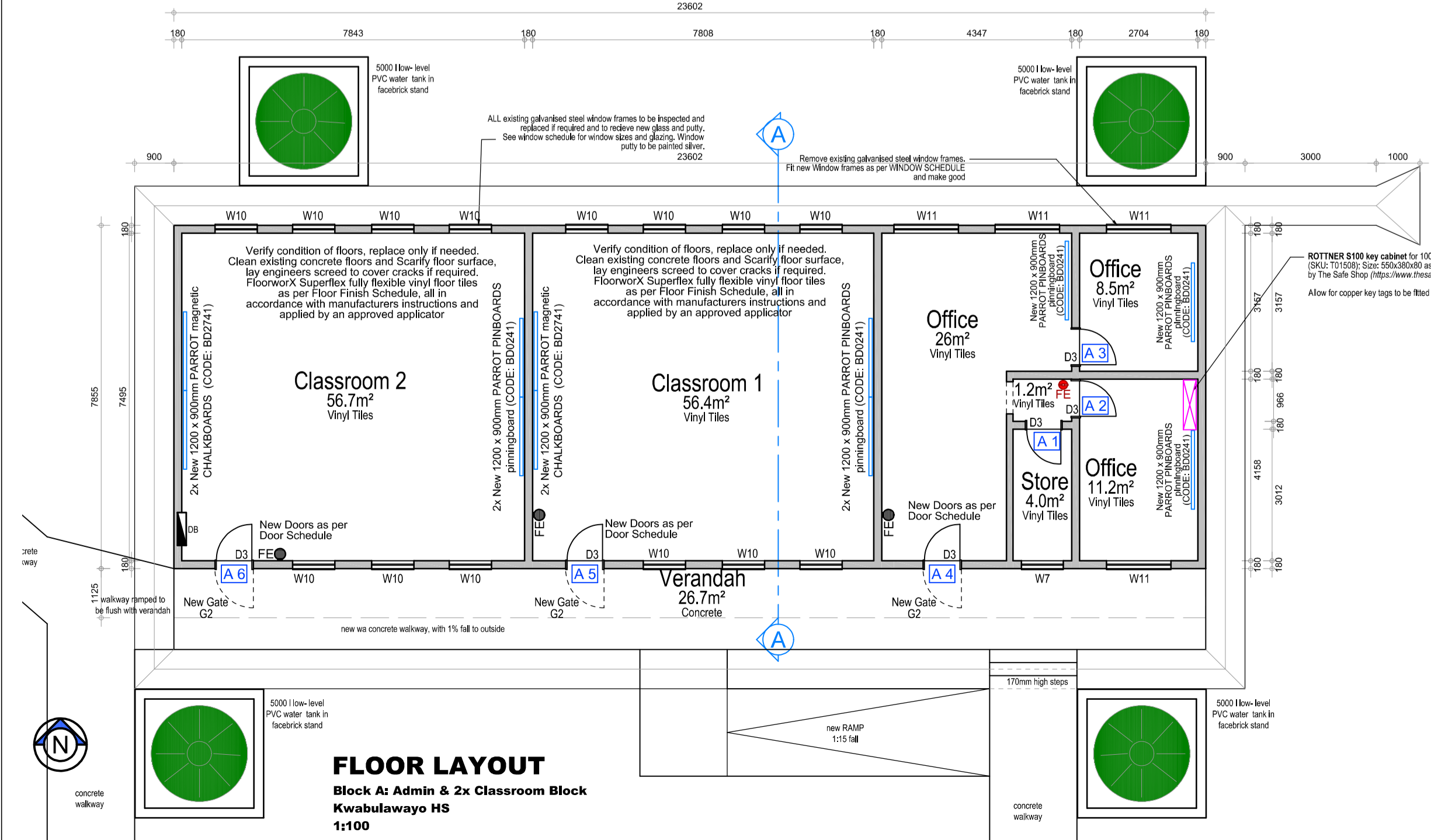
WEST ELEVATION
Block A: Admin & 2x Classroom Block
Kwbulawayo HS
1:100



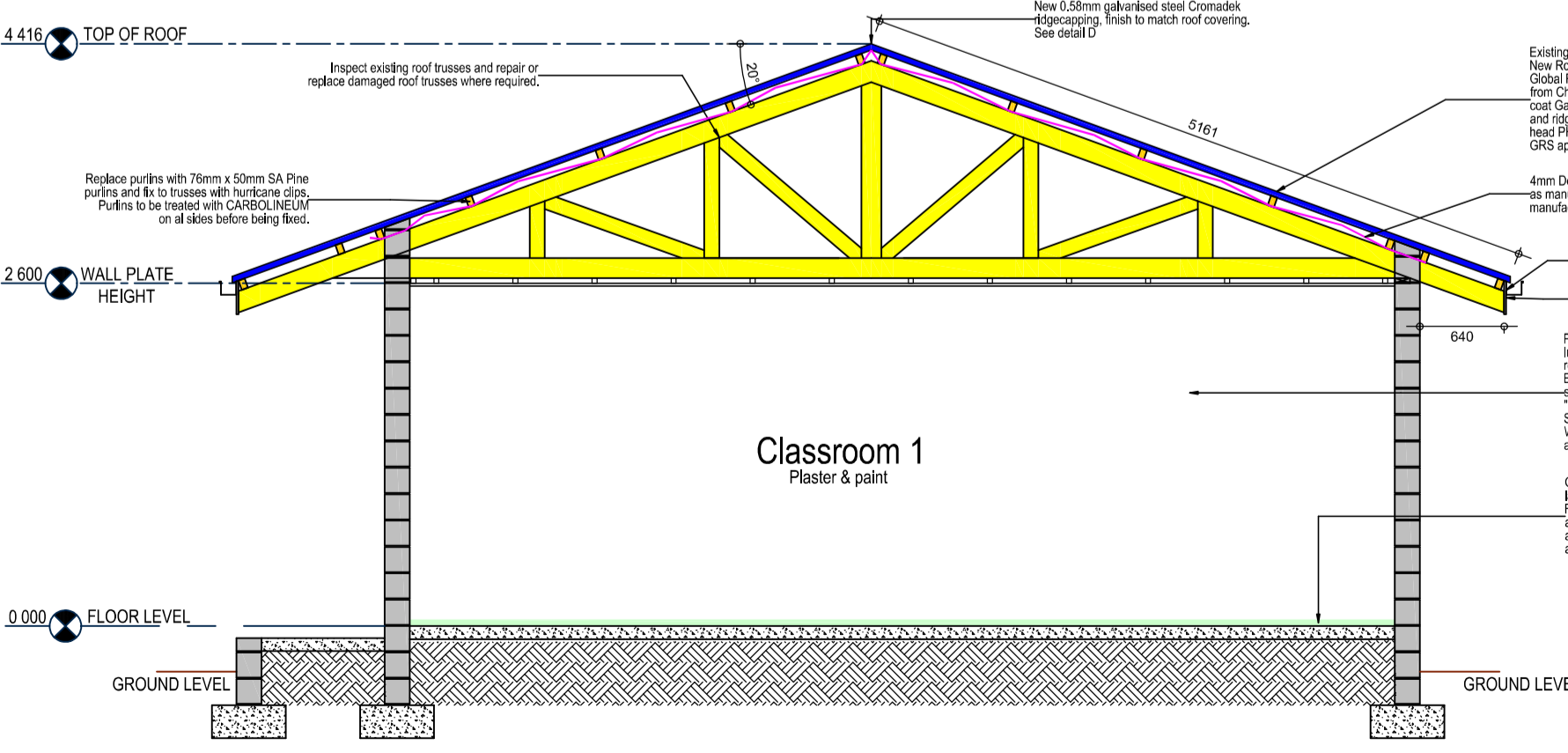
NORTH ELEVATION
Block A: Admin & 2x Classroom Block
Kwbulawayo HS
1:100



EAST ELEVATION
Block A: Admin & 2x Classroom Block
Kwbulawayo HS
1:100

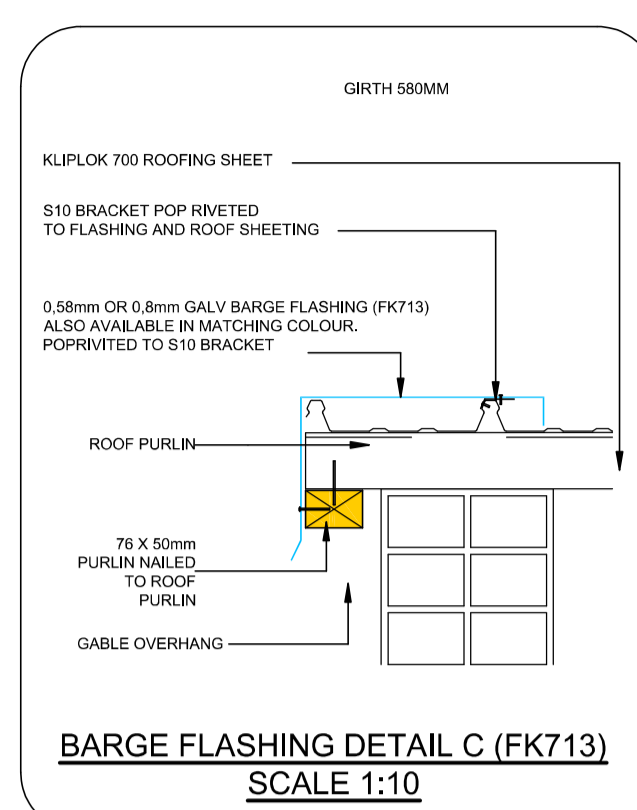


FLOOR LAYOUT
Block A: Admin & 2x Classroom Block
Kwbulawayo HS
1:100

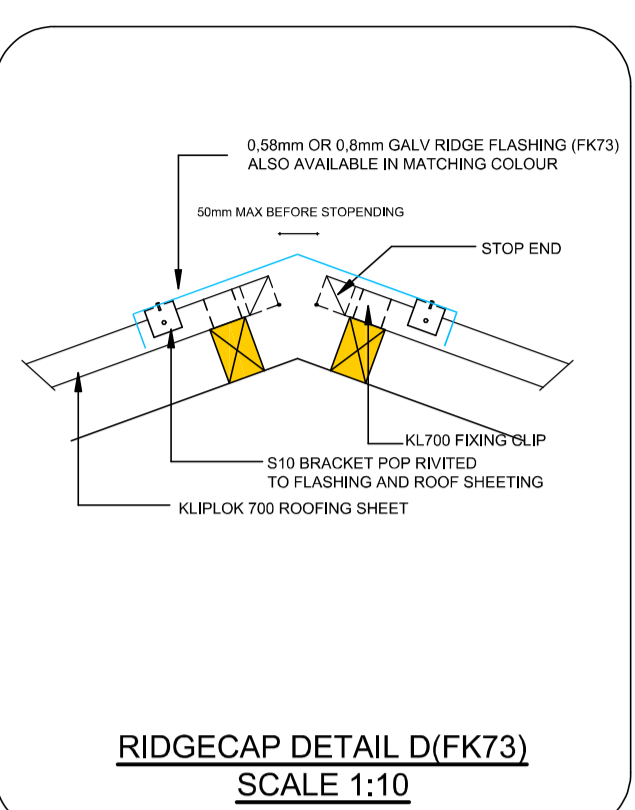


Section A-A
Block A: Admin & 2x Classroom Block
Kwbulawayo HS
1:100

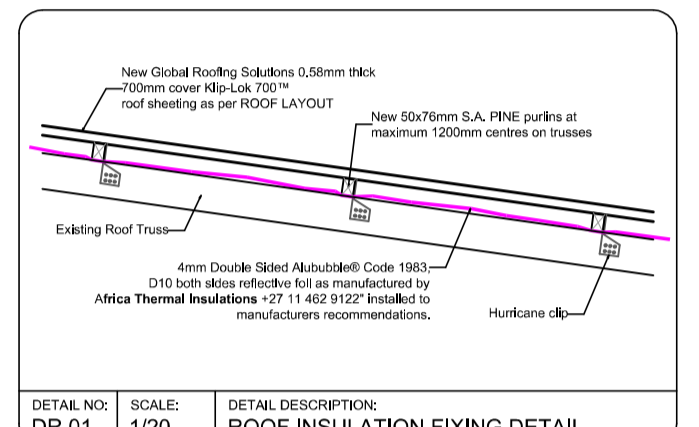
Specs applicable only when roof sheets needs to be replaced.
FIXING KLOPKLOK 700™
The Klok-Lok 700™ sheets shall be fixed to every purlin by means of patented KLOK 700 dpps having spurs which will securely hold the sheets in position and lock the sheets and both centre ribs. The KLOK 700 dpps shall be manufactured from Galvalume steel and shall be fixed with the appropriate self-drilling screws to steel purlins (selection from installation manual) OR with 250 x 100 x 10mm universal screws type 17 to timber purlins.
KLOPKLOK 700™ FLASHINGS
Roofing specifications shall be to the Global Roofing Solutions standards and fixed to the sheeting with S10 brackets or. Sliding brackets at eave where roof sheets are 30m or longer. To enable any direct gully perforation. Prior to flashing being laid. All troughs at the eave shall be extended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be fixed at the eaves and to form a drip. Transverse flashing batten shall be attached to the sheet profile where necessary. All these operations must be performed with special tools available from Global Roofing Solutions.
INSTALLATION
Every procedure shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheetling which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent sand particles from generating coated surfaces.
HANDLING AND STORAGE
The contractor shall ensure that all materials used on site for roofing/labelling, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Stock of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.
KLOK 700 JOINT
INSPECTION PRIOR TO INSTALLATION
Before commencing installation, the contractor shall verify that the following items have been checked and accepted:
a. The entire structure on the portion intended to be sheeted has been correctly aligned, leveled and grouted.
b. Purlins and girts are at the correct spacing and are within the specified tolerances.
c. The corners of the roof are square and the wall framework is perpendicular to be specified.
d. No protrusions such as bolt heads, spike plates, clots, etc. appear on the face of the framework.
e. All members to which roofing and cladding are to be fixed to aesthetically sensitive areas are true and square.
f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so sheet with that direct contact with the sheeting is avoided.
g. The correct fasteners between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.
GUARANTEE
The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klok-Lok 700™ sheeting shall be built to last accordance with the manufacturer's specifications by a GRS approved contractor. A written and approved five year guarantee of watertightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.
CLEANING OF ROOF ETC.
All debris, silt, etc. arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, effluent of radiation, nuclear fission, radon, asbestos, materials from any leaks, effluent of sheeting, various flammable, corrosive, volatile, acids, etc. shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc.



BARGE FLASHING DETAIL C (FK713)
SCALE 1:10

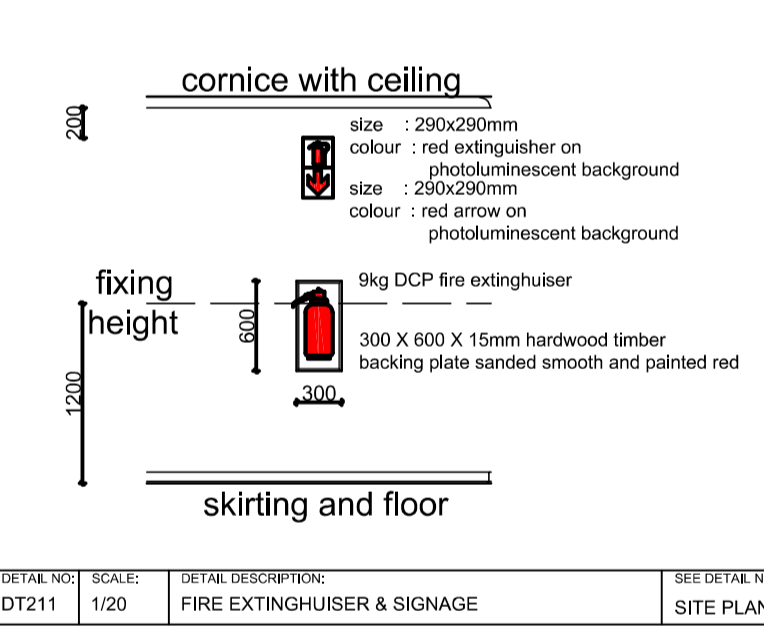


RIDGECAP DETAIL D (FK73)
SCALE 1:10



ROOF INSULATION FIXING DETAIL
SCALE: 1:20
DETAIL DESCRIPTION: ROOF INSULATION FIXING DETAIL

Existing Asbestos Roofsheeting to be removed in safe manner by Specialist.
New Roof sheeting to be Consistent For Kloplok 700.
0.50mm thick light industrial steel sheeting. SEE ROOF LAYOUT
CHROMADEK metal barge board
Roofing as per Detail C
New 15mm medium density fibre cement fascia boards. Painted
New COLOMET finished Ogee aluminium 125 x 100mm rectangular gutters and 100 x 75mm rectangular downpipes to water tanks
Remove all loose paint and plaster and replaster smooth & repaint entirely.
Remove existing galvalume steel window frames.
Fit new Window frames as per WINDOW SCHEDULE and make good
Existing doors to be removed completely and replaced as per door schedule and make good Existing galvalume steel frames to be inspected and replaced where required.
Remove existing galvalume steel window frames.
Fit new Window frames as per WINDOW SCHEDULE and make good
Existing doors to be removed completely and replaced as per door schedule and make good Existing galvalume steel frames to be inspected and replaced where required.



FIRE EXTINGUISHER & SIGNAGE
SCALE: 1:20
DETAIL DESCRIPTION: FIRE EXTINGUISHER & SIGNAGE
SITE PLAN

Revisions			
No	Date	Revision	By
00	2019-00-00	xxxxxx xxxxxx xxxxx xxx xx x	xxx

Approved

End User:

Implementing Agent:

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Architectural Consultant:

Discipline:

Construction of New Ablution Blocks & Renovations of Existing Buildings for Kwbulawayo High School

Drawing title

Block A: Admin & 2x Classroom Block

Floor Layout
Roof Layout
Barge Flashing & Ridgecap Detail
Roof Insulation Detail
Section & Elevations

Ref. no	Designed	Scale	As Shown	Drawing date	Time stamp	drawing number
RFP 116/2018	JVR / JVV	19 Aug 2022	08:17:05	11 Jun 2019	NC(DBSA)KWAB-19-04-100[02]	R 0

concrete walkway

concrete walkway

Existing Asbestos Roofsheeting to be removed in safe manner by Specialist.
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concrete walkway