

project name

drawing issue slip



Proposed Additions and Alterations to Ohlange High School
EMIS NO: 286306

project number

building ID and name

D11.018J

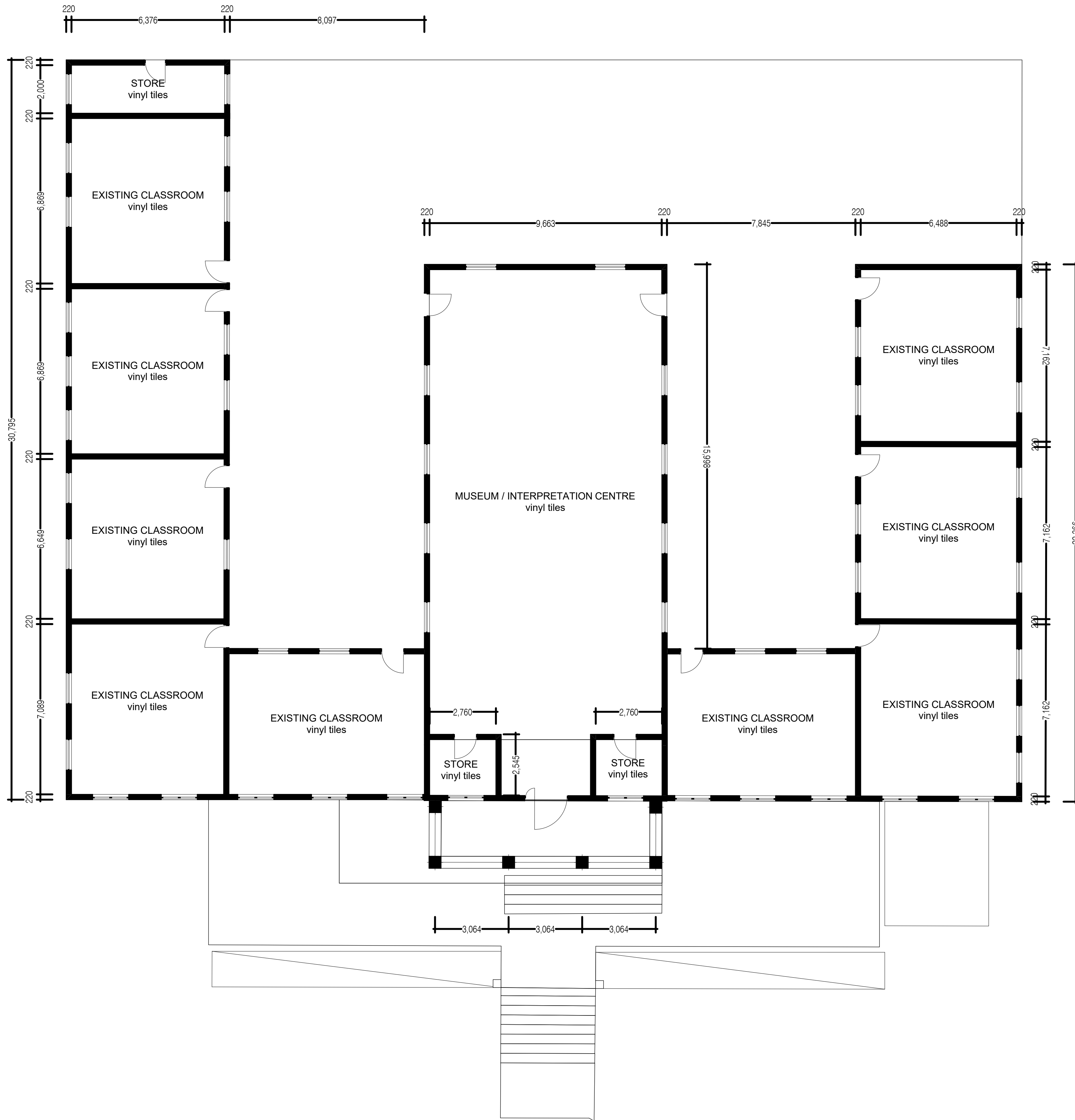
Block X - Existing Museum Building

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Drawing Number	Drawing Name	Revision	Page Size
X3.101	Block X Plan (for renovation)	01	A1
X3.102	Block X Axo (for renovation)	01	A1

issued to		received by	
PROJECT MANAGER	X	CLIENT	
CONTRACTOR		HARD COPIES	
CIVIL / STRUCTURAL ENGINEER	X	ELECTRONIC	X
ELECTRICAL ENGINEER	X		
MECHANICAL ENGINEER	X		
QUANTITY SURVEYOR	X		
		date of issue	
		Thursday, October 15, 2020	
		NAME:	_____
		COMPANY:	_____
		DATE RECEIVED:	_____
		SIGNED:	_____



PLAN 1:100

RENOVATION NOTES:

- External paintwork
- Internal paintwork
- Replace vinyl tiles
- Replace roof sheeting, gutters & downpipes
- Repair steel windows (where necessary)
- Replace burglar guards
- Replace chalkboard and pinboards in classrooms.

GENERAL NOTES

GENERAL SPECIFICATION NOTES TO BE READ IN CONJUNCTION WITH STANDARD TRADE PREAMBLES WB 20 TRADE NAMES AS SPECIFIED OR EQUAL APPROVED

DEMOLITION

DEMOLITION WALLS AND FLOORS TO BE DONE IN ACCORDANCE WITH ENGINEERS APPROVAL. DEMOLITION OF STRUCTURAL ELEMENTS TO BE CONFIRMED BY THE STRUCTURAL ENGINEER.

FOUNDATIONS

ALL FOUNDATIONS AND STRUCTURAL WORK TO ENGINEERS DETAIL.

WALLS

ALL WALLS ARE COMPLY WITH SANS 10400-K. CORROBRIK FBS FACEBRICK WALLS IN STRETCHER BOND WITH RULED JOINTS AND PERPENDS INTERNALLY & EXTERNALLY. CORROBRIK COMMONS TO BE USED WHERE TO RECEIVE PLASTER. CORROBRIK ENGINEERING BRICKS BELOW GROUND LEVEL. IN FOUNDATION WALLS. BROCKFORCE TO ALL COURSE FROM WINDOW HEAD TO UNDERSIDE WALL PLATE. GALVANISED CRIMP WIRE WALL TIES (7 PER SQUARE METRE - LAD STAGGERED). EXTERNAL FACE OF INNER SKIN TO BE PAINTED WITH BITUMEN PAINT.

INTERNAL PLASTER AND PAINT

INTERNAL PLASTER TO BE 13 to 16mm THICK. CEMENT/SAND RATIO OF 1:5. PLASTER SEALED 1 UNDERCOAT. 2 TOP COATS. COLOR TO BE APPROVED BY ARCHITECT. PREPARE & RE-PAIN EXISTING INTERNAL WALLS. REFER TO FINISHES SCHEDULE AND PAINT SPECIFICATIONS.

INTERNAL FACEBRICK

CLASSROOMS AND OTHER LEARNING SPACES TO HAVE INTERNAL SATIN FACEBRICK. FRELIGHT - UP TO 850mm WITH TOP BRICK TO BE BOE DADO PROTRUDING 15mm TO CATCH PLASTER.

AIR BRICKS

229 X 152MM TERRA-COTTA VERMIN PROOFED AIR-BRICKS AS INDICATED ON GABLE ELEVATIONS AND BUILT INTO BRICK BEAM FILLING AT APPROX. 1250MM CC.

SURFACE BED

POWER FLOATED CONCRETE SLAB (25MPA) REINFORCED WITH MESH. REF. 193. SET 20MM ABOVE 250 MICRON GUNPLAS USB GREEN DPC ON 50mm TREATED AND RAMMED RIVER SAND ON CLEAN EARTH FILL IN LAYERS NOT EXCEEDING 150mm. TO BE WELL WATERED AND COMPACTED TO 90% MOD AASHTO. SOIL TO BE POISONED IN ACCORDANCE WITH SABS 1165. CERTIFICATE MUST BE PROVIDED.

WALKWAYS

100mm THICK CONCRETE SLAB (20 MPa) REINFORCED WITH MESH. REF. 193. SET 25mm ABOVE 250 MICRON GUNPLAS USB GREEN DPC ON 50mm TREATED AND RAMMED RIVER SAND ON FILL COMPACTED TO 95% MOD AASHTO. SLAB LAD WITH 25mm FALL AWAY FROM WALL AND CAST IN ALTERNATE PANELS OF 2000mm. CONTROL JOINTS SEALED WITH 10MM POLYSULPHIDE SEALANT WITH BACKING BACKING STRIP AND SOFTBOARD CONCRETE TO ENGINEERS DETAIL.

CONCRETE APRON

75mm THICK 20 MPa CONCRETE APRONS LAID TO A FALL OF 1:200 TO RELIEF POINTS. CAST ALTERNATE PANELS WITH A CONTROL JOINTS EVERY 2000mm. ON FILL COMPACTED TO MOD AASHTO 95%. CONTROL JOINTS TO BE SEALED WITH 10mm POLYSULPHIDE.

DOORS

ALL DOORS AS PER DOOR SCHEDULE. DOORS TO BE SABS APPROVED AND OF A SUPERIOR QUALITY AND APPROVED BY ARCHITECT. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND ANY DISCREPANCIES IS TO BE REFERRED TO THE ARCHITECT PRIOR TO ANY MANUFACTURING. TO BE INSTALLED BY A COMPETENT CARPENTER. HOT DIPPED GALVANISED STEEL DOOR FRAMES. PRE-PAINTED WITH RED OXIDE PAINT ON INTERNAL OF FRAME TO SUIT WALL THICKNESS OF 200MM AND 100MM. HOT DIPPED GALVANISING TO COMPLY WITH SANS 121:2011 AND HDGASA REGULATIONS - NOT PAINTED WITH 1.5 PAIR OF STAINLESS STEEL BALL BEARING HINGES WELDED IN POSITION. REFER TO IRONMONGERY SCHEDULES.

WINDOWS

STEEL WINDOWS AS PER WINDOW SCHEDULE. MANUFACTURING TO BE OF A SUPERIOR STANDARD. QUALITY AND APPROVED BY ARCHITECT. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND ANY DISCREPANCIES IS TO BE REFERRED TO THE ARCHITECT PRIOR TO ANY MANUFACTURING. HOT DIPPED GALVANISING TO COMPLY WITH SANS 121:2011 AND HDGASA REGULATIONS. ALL GLASS TO BE TOWHERED SAFETY GLASS IN COMPLIANCE WITH SANS 10400-N. GLAZING COMPLIANCE CERTIFICATE TO BE PROVIDED.

SILLS

EXTERNAL SILLS TO BE ROLLER COURSE FBA FACE BRICK SET AT AN ANGLE OF 15 DEGREES. 375 MICRON EMBOSSED DAMP PROOF MEMBRANE BELOW ALL SILLS. INTERNAL SILLS TO BE EVERITE NUTEC FIBRE CEMENT (PRODUCT NO. 031-509) COMPLETE WITH FIBRE LOGS AND SELF TAPPING SCREWS.

CEILINGS

1x LAYER 6.4MM RHINOBOARD CEILING WITH H PROFILE METAL JOINT STRIPS CONSISTING OF SABS APPROVED SA PINE 38X300MM TREATED BRANDING FROD AT 400MM CENTRES IN ONE DIRECTION ONTO WHICH RHINOBOARD IS FIXED. PRINTED SIDE UP. AT RIGHT ANGLES TO THE BRANDERS. USING GRABBER SCREWS 32MM AT MAXIMUM 150MM CENTRES WITH TRUSSES AT MAX. 1200MM CENTRES. 12mm WIDE H-PROFILE METAL COVER STRIPS TO JOINTS. 75 x 20mm SOFTWOOD CORNICE SPIKED TO WALL. SCREWS HEADS TO BE PRIME AND FILLED WITH POLY FILLER SAND. APPLY ONE PRIMER COAT AND TWO EVEN TOP COATS PVA. INSTALL IN ACCORDANCE WITH THE MANUFACTURERS DETAIL AND SPECIFICATION.

CEILINGS - FIBRE CEMENT

6mm FIBRE CEMENT CEILINGS CLOUT NAILED TO 38 x 50mm BRANDING AT 450mm CRS. PRIME. FILL AND SAND LEVEL FOR PAINTING. 12mm WIDE H-PROFILE METAL COVER STRIPS TO JOINTS. 75 x 20mm SOFTWOOD CORNICE SPIKED TO WALL. ALL JOINTS TO BE BEVELLED, PRIME, SAND, UNDERCOAT AND TWO COATS PVA. 100mm THICK AEROLITE INSULATION ABOVE CEILING. INSTALLED IN KITCHENS AND ABUTMENTS AREAS.

INSULATION

LAY 100MM AEROLITE INSULATION NON-COMBUSTIBLE AND CLASS 1 FIRE INDEX RATING. ON THE CEILING ENSURING THAT IT FITS TIGHTLY BETWEEN THE TIE BEAMS. AEROLITE SHOULD BE CUT 50MM MORE THAN DISTANCE BETWEEN THE TIE BEAMS. CUT AEROLITE OUTAROUND DOWN LIGHTS. CUT AEROLITE OUT AROUND TRAP DOORS. THE CUT SECTION OF THE BACK OF THE TRAP DOOR USING A GOOD QUALITY CONTACT ADHESIVE. WRAP AEROLITE AROUND COLD AND HOT WATER PIPES ENSURING THAT THERE IS 10MM OVERLAP. SECURE THE AEROLITE USING A CABLE TIE AT 300MM CENTRES.

ROOF SHEET

GLOBAL ROOFING SOLUTIONS 762MM COVER CORRUGATED S-PROFILE ROLL-FORMED IN CONTINUOUS LENGTHS FROM 0.8MM THICK COLOUR TECH G4 ALUMINIUM ROOF SHEETING. COLOURED COATING FRONT AND BACK. USING HEX FLANGE HEAD 4 EPDM SEAL SELF DRILLING TYPE 17 DRILL POINT. NO. 12 X 6MM LONG FASTENERS. PURLINS NEEDED TO REST FOURTH AND EIGHTH CREST OF EACH SHEET AND AT ALL CRESTS AT SHEET ENDS. ALL IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS BY A GRS APPROVED CONTRACTOR. POLYURETHANE AT ROOF FLASHING AND MASTIC SEALANT TO ALL SIDE LAPS. DETERMINE DIRECTION OF WIND BEFORE LAYING SHEETS. SHEETS TO PROJECT A MINIMUM OF 50MM BEYOND PURLINS AT EAVES. SHEETS TO BE FIXED TO 75X50MM TIMBER INTERMEDIATE PURLINS AT MAX 1200MM CENTRES ON TRUSSES AT MAX. OF 1200MM CRS TO BE STRAPPED TO 114 X 38MM WALLPLATE WITH 30 X 1.6 X 1600MM LONG GALVANISED HOOP IRON STRAPS BUILT INTO COURSE AND ON SQUALATION FR 405 UNDERLAY OVER TRUSSES AND UNDER PURLINS ON STRAINING WIRES ON TO PRE-FABRICATED AND POST TRUSSES WITH 38X150MM PATTERS (GRADE 8) AND 38X228MM TIE BEAMS (GRADE 8). 38X152MM INTERMEDIATE MEMBERS. HURRICANE CLIPS BE USED EXTERNALLY TO SECURE PURLINS TO TRUSSES AT EAVES OVERHANGS. DOUBLE WOUND 2.5MM DIAMETER GALVANISED WIRE TO SECURE PURLINS INTERNALLY ALL EXPOSED ROOF TIMBER TO BE PAINTED WITH 2 COATS OF ABE PROVOINTE. BEFORE FIRING OF ROOF SHEETS, FASCIA AND BARGEBOARDS. ROOF DESIGN AS PER ROOF ENGINEERS DETAILS.

80mm LAMBDABOARD INSULATION

80mm THICK TONGUE & GROOVE LAMBDABOARD WITH MATTE MINERAL COATED FIBRE GLASS TISSUE FACING. MOISTURE COMPLIANCE | SABS 1381-1 | FIRE COMPLIANCE | SANS 428 - B - B1-2 - H AND V

BARGE AND FASCIA BOARDS

EVERITE NUTEC FIBRE CEMENT SOCKETLESS BARGE BOARDS (PRODUCT NO. 521-731) 200 x 80mm WITH H-PROFILE ALUMINIUM BARGE BOARD JOINTERS (PROD. NO. 685-187). DRILL FOR AND FIX WITH HOT DIPPED GALVANISED SCREWS AND WASHERS. 75 x 50mm TIMBER BATTEN FIXED TO UNDERSIDE OF PURLIN ENDS FOR BARGE BOARD FINING. EVERITE MEDIUM DENSITY FIBRE CEMENT FASCIA (PRODUCT NO. 041-202) 12 x 225mm WITH H-PROFILE ALUMINIUM FASCIA BOARD JOINTERS (PROD. NO. 685-189). DRILL FOR AND FIX WITH HOT DIPPED GALVANISED SCREWS AND WASHERS. INSTALLATION TO COMPLY WITH MANUFACTURERS STANDARDS AND DETAILS.

GUTTERS AND DOWNPIPES

SEAMLESS ALUMINIUM OEGE GUTTERS WITH BAKED ENAMEL FINISH AND FIXED TO SUPPLIERS SPECIFICATIONS. WITH 100 x 75mm FLUTTED ALUMINIUM DOWNPIPES WITH BAKED ENAMEL FINISH AND FIXED TO SUPPLIERS SPECIFICATION.

WATERTANK

500L LIQUID OR EQUAL APPROVED WATER TANK EMBEDDED IN FACE BRICK STAND INCLUDING ACCESS LID WITH INLET HOLE AND SUITABLE OVERFLOW PIPE. TIED DOWN WITH TWO CHAINS ENCASED IN HOSE PIPE FIXED TO HOOKS CAST INTO CONCRETE.

CHALKBOARD

480 X 1140MM GREEN CHALKBOARD TO COMPLY WITH CKS-38-1880 SUPPLIED COMPLETE WITH CHALK RAIL AS ONE UNIT. CHALKBOARD TO BE FIXED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

Block X

REV	DESCRIPTION	DATE
01		

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project description

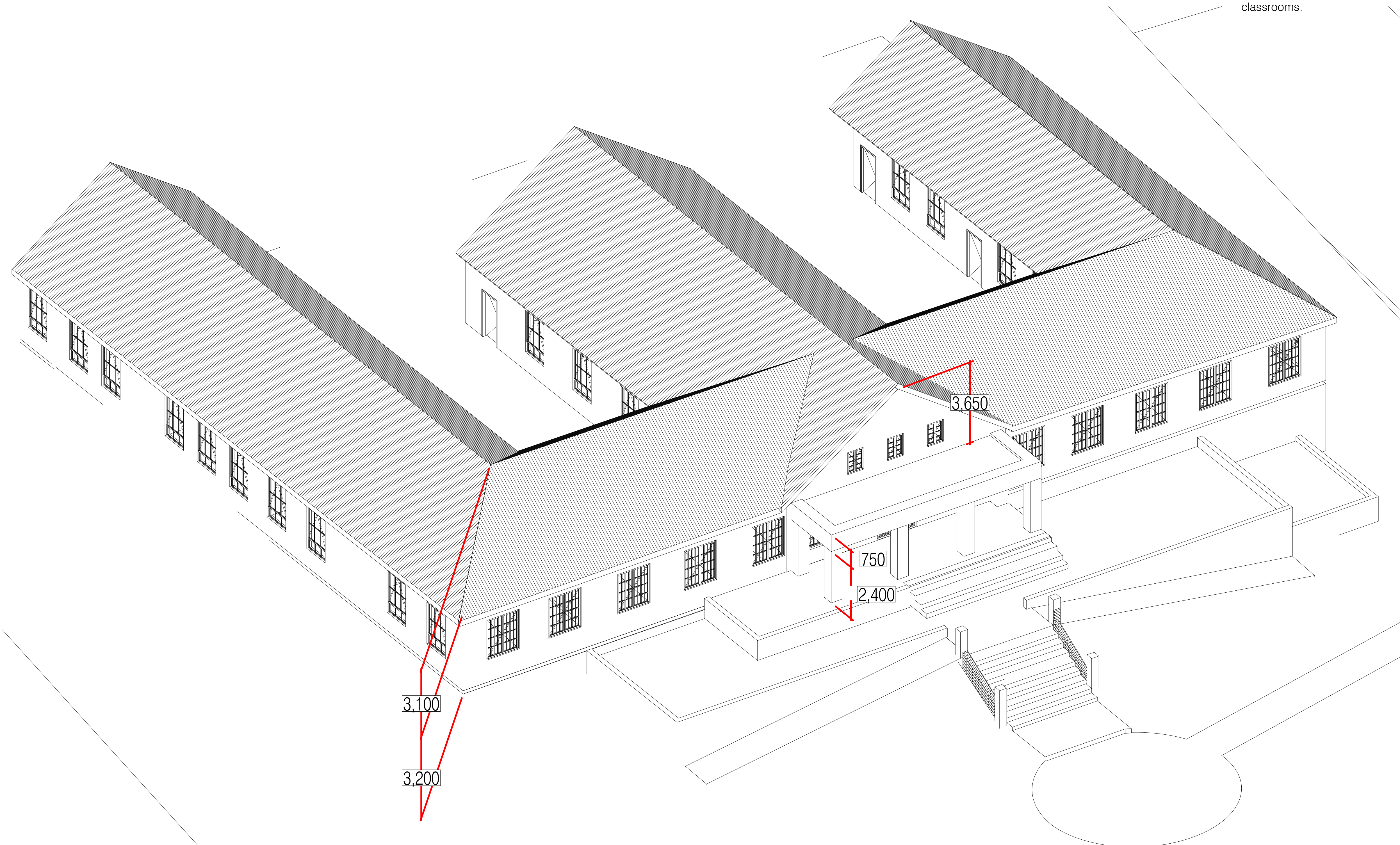
Proposed Additions and Alterations to Ohlange High School

EMIS NO: 286306

drawing description	
Block X Plan (for renovation)	
project file	
DRAWN BY: MRA	SCALE: 1:100@A1
PUBLISH DATE: 10/15/2020	STATUS: IPAC
PROJECT No: D11.018J	REVISION: 01
	DRAWING No: X3.101

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3D Axo 1:100

Block X

REV no.	DESCRIPTION	ISSUE DATE:
01		10/15/2020

Revisions
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Professional team

DESIGNSCAPE
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 DEPARTMENT OF EDUCATION KZN

project description
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DRAWN BY MRA	SCALE 1:100@A1
PUBLISH DATE: 10/15/2020	STATUS: IPAC
PROJECT No: D11.018J	REVISION: 01
DRAWING No: X3.102	



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Public Holidays & Saturdays 09H00 - 14H00
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A person wearing a grey hoodie and light-colored pants stands with their back to the camera, looking out a window on the left side of the room.

DURBAN
THE WARMEST
PLACE TO BE

DURBAN
THE WARMEST
PLACE TO BE







CELEBRATE MADIBA

On The 27th of April 1994, Nelson Mandela casted his first Vote in South Africa's first democratic elections at Ohlange High school. Next to the home of Dr. J L Dube, first president of ANC.

When He finished he walked to the gravesite of Dr J.L. Dube and Said

"I have come to report Mr. President that South Africa is now free"

100 Nelson Mandela Centenary 2018
The Legacy

"Woza eNanda"



OHLANGE INSTITUTE
Dox of the Nation

