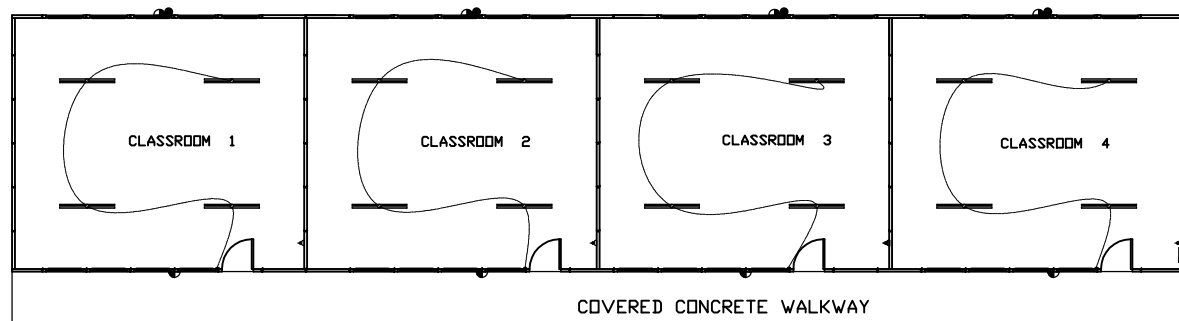


GROUND PLAN LAYOUT
SCALE 1:100



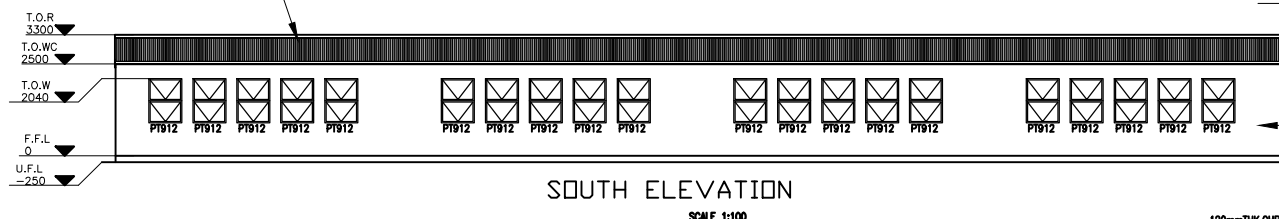
ELECTRICAL PLAN LAYOUT
SCALE 1:100

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	Qty per Classroom
—	Distribution board	1
—	Double fluorescent light	4
—	Bulkhead external light	2
—	Single Plug socket	1
—	Single Light switch	1
—	Daylight switch	1

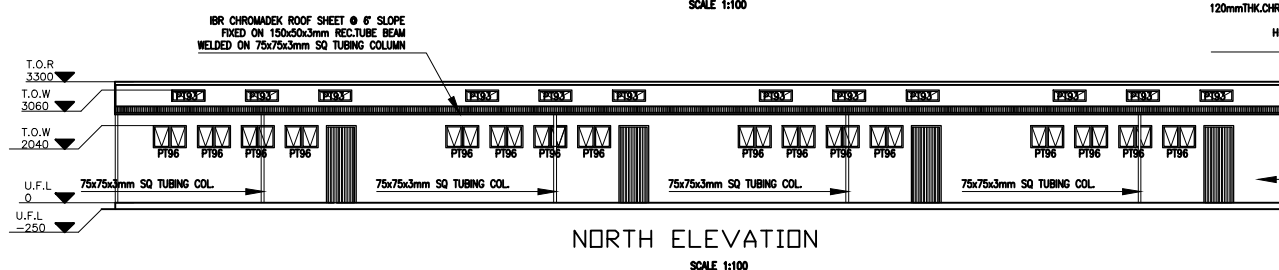
ALL ELECTRICAL RETICULATION AND INSTALLATION SHALL BE DONE BY REGISTERED ELECTRICIAN A COMPLIANCE CERTIFICATE MUST BE ISSUED UPON THE COMPLETION OF INSTALLATION EXTERNAL LIGHTS CONNECTED TO DAYLIGHT SWITCHES.

DOOR SCHEDULE		WINDOW SCHEDULE		
CHROME DOOR WITH ALUM TRIMS		CLIP-LOCK ALUMINIUM CASEMENT WINDOW		
PTB12 TOPHUNG * 5 PER CLASSROOM		PTB6 TOPHUNG * 4 PER CLASSROOM		PTB3 TOPHUNG * 3 PER CLASSROOM
1 PER CLASSROOM		1.08m²		0.54m²
		5.4m²		2.16m²
				0.27m²
				0.81m²

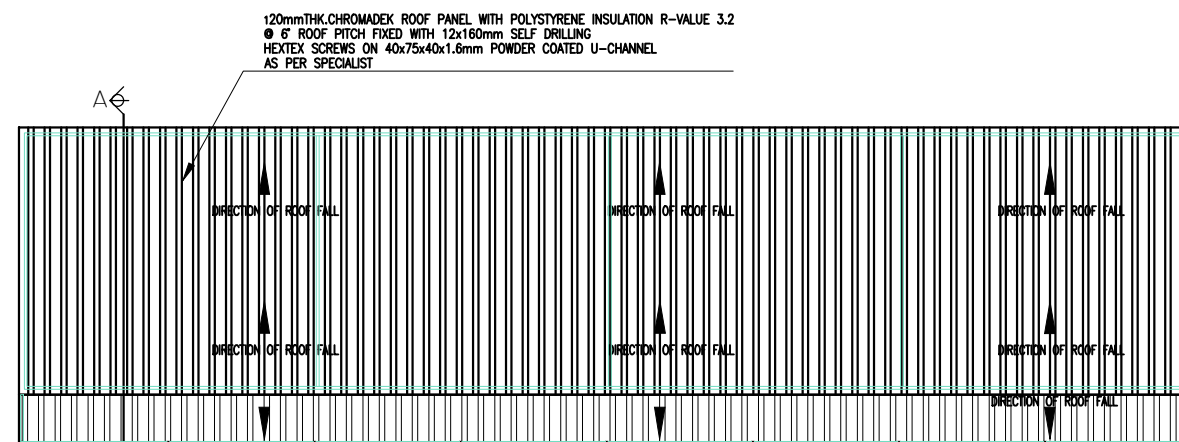
ROOF PANEL WITH POLYSTYRENE INSULATION R-VALUE 3.2
6° ROOF PITCH FIXED WITH 12x160mm SELF DRILLING
HEXTEX SCREWS ON 40x75x40x1.6mm POWDER COATED U-CHANNEL
AS PER SPECIALIST



SOUTH ELEVATION
SCALE 1:100

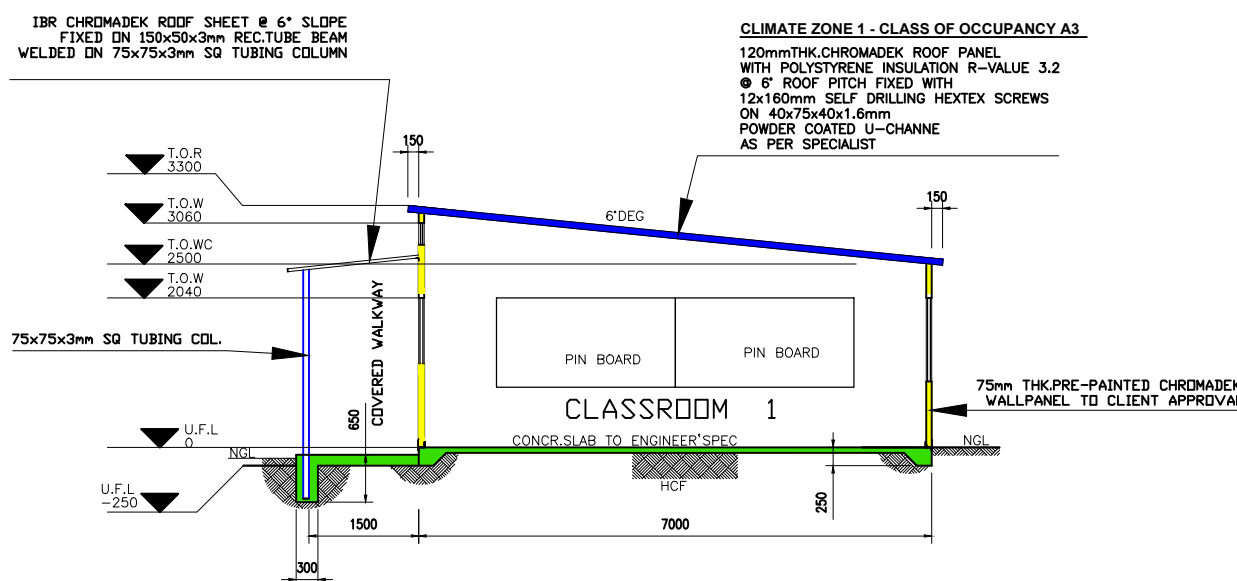


NORTH ELEVATION
SCALE 1:100



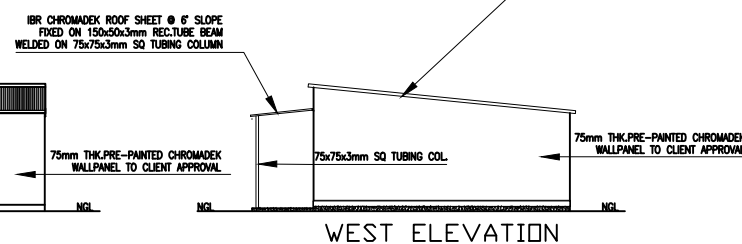
ROOF PLAN LAYOUT
SCALE 1:100

IBR CHROME DOOR WITH ALUM TRIMS
FIXED ON 150x50x3mm RECT.TUBE BEAM
WELDED ON 75x75x3mm SQ TUBING COLUMN



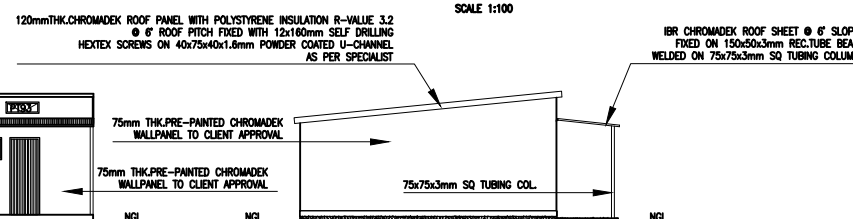
SECTION A-A
SCALE 1:50

IBR CHROME DOOR WITH ALUM TRIMS
FIXED ON 150x50x3mm RECT.TUBE BEAM
WELDED ON 75x75x3mm SQ TUBING COLUMN



WEST ELEVATION
SCALE 1:100

120mmTHK.CHROME DOOR WITH ALUM TRIMS
FIXED ON 150x50x3mm RECT.TUBE BEAM
WELDED ON 75x75x3mm SQ TUBING COLUMN



EAST ELEVATION
SCALE 1:100

120mmTHK.CHROME DOOR WITH ALUM TRIMS
FIXED ON 150x50x3mm RECT.TUBE BEAM
WELDED ON 75x75x3mm SQ TUBING COLUMN

MAIN BUILDING ENERGY EFFICIENT FENESTRATION IN ACCORDANCE SANS10400-XA				
ORIENTATION	AREA	SHGC	E	
WEST	0.0m²	0.66	1.15	
NORTH	2.97m²	0.66	0.84	1.646
EAST	0.0m²	0.66	1.01	0
SOUTH	5.4m²	0.66	0.87	3.100
TOTAL WINDOW AREA	8.37m²			4.746

A. GLAZING ELEMENTS	
4mm SINGLE CLEAR GLASS WITH ALUMINIUM/STEEL FRAMES NETT AREA VALUE = 54m² PER CLASSROOM	
B. CONDUCTANCE	
CONDUCTANCE (u) VALUE ALLOWED = 54 x 1.2 = 64.8 CONDUCTANCE VALUE ACHIEVED = 8.37 x 5.73 = 47.96 THEREFORE THE ABOVE COMPLIES	
C. SOLAR HEAT GAIN COEFFICIENT (SHGC)	
SHGC ALLOWED = 54 x 0.15 = 8.1 SOLAR HEAT ACHIEVED = 4.746 THEREFORE THE ABOVE COMPLIES TO	

[Handwritten signature]

No.	DATE	INITIAL	DESCRIPTION

PROJECT:
ETWATWA PRIMARY SCHOOL

FULL DESCRIPTION OF DRAWING:
BLOCK A CLASSROOM LAYOUT
ELEVATION & SECTION

SCALE:
1:500

TOWNSHIP:
REGION:

DRAWN:
BA Masilela

CHECKED:
DATE:
09/01/2015

RECOMMENDED:
DATE:

RECOMMENDED:
DATE:

APPROVED:
DATE:

abacus
SPACE SOLUTIONS
A DIVISION OF WACO AFRICA (PTY) LTD
1 Fonda Place,
Yaldwyn Road, Jet Park
P.O. Box 619, Isando 1600
Tel (011) 397 - 8150
Fax (011) 397 - 8155
E-mail: sales@abacusspace.co.za

DRAWING NUMBER:
A890-01-01