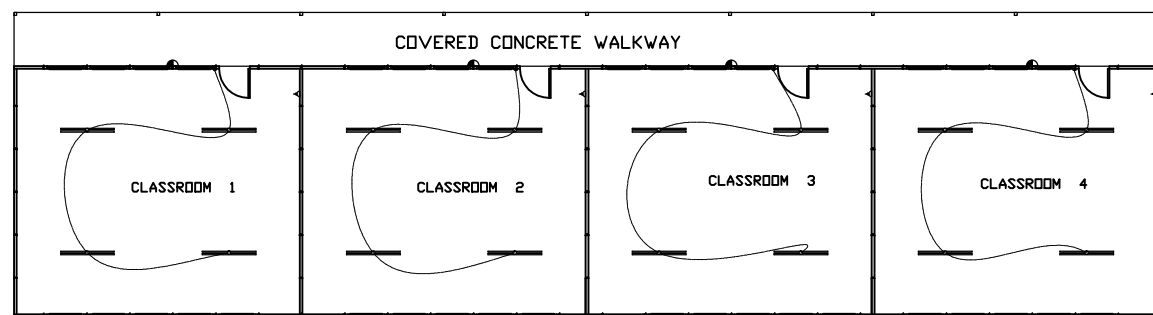


GROUND PLAN LAYOUT
SCALE 1:100



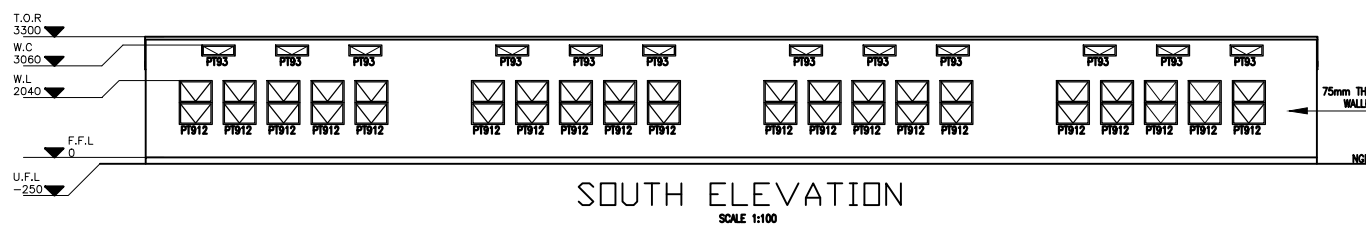
ELECTRICAL PLAN LAYOUT
SCALE 1:100

ELECTRICAL LEGEND		
Symbol	Qty per Classroom	Qty per Classroom
—	Distribution board	1
—	Double fluorescent light	4
—	Single light switch	2
—	Single Plug socket	1
—	Daynight switch	1

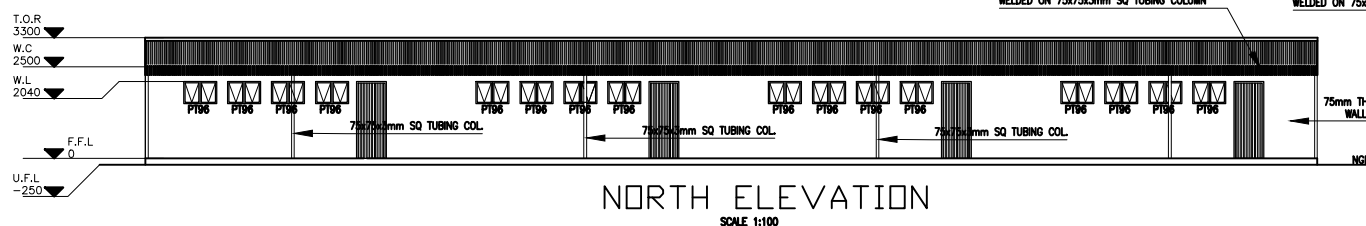
ALL ELECTRICAL RETICULATION AND INSTALLATION SHALL BE DONE BY REGISTERED ELECTRICIAN. A COMPLIANCE CERTIFICATE MUST BE ISSUED UPON THE COMPLETION OF AN INSTALLATION. EXTERNAL LIGHTS CONNECTED TO DAYNIGHT SWITCHES.

DOOR SCHEDULE		WINDOW SCHEDULE		
CHROMADEK DOOR WITH ALUM TRIMS		CLIP-LOCK ALUMINUM CASEMENT WINDOW		
PT1912 TOPHUNG * 5 PER CLASSROOM		PT1912 TOPHUNG * 4 PER CLASSROOM		PT1913 TOPHUNG * 3 PER CLASSROOM
	1 PER CLASSROOM		1 PER CLASSROOM	
	1.08m²		0.54m²	0.27m²
	5.4m²		2.16m²	0.81m²

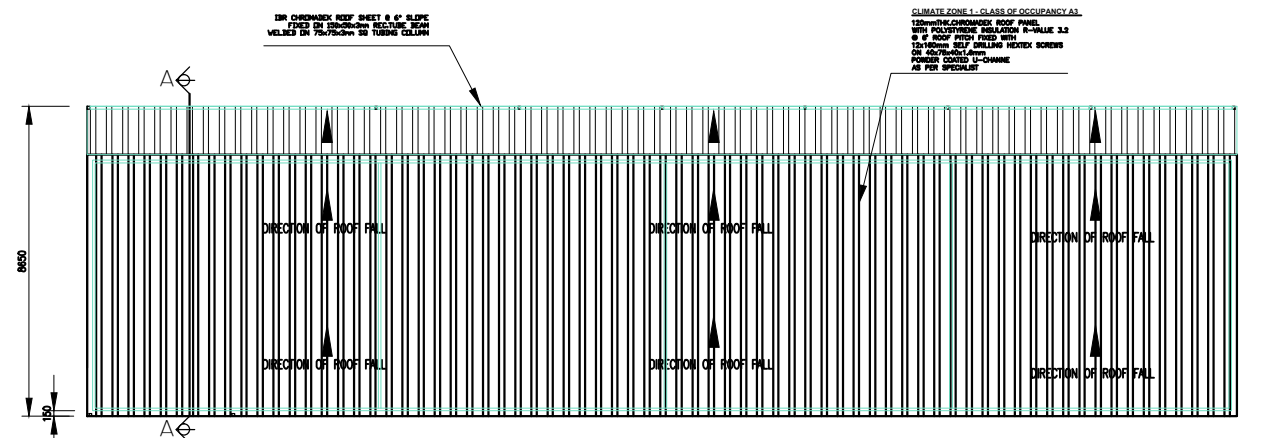
MAIN BUILDING ENERGY EFFICIENT FENESTRATION IN ACCORDANCE SANS10400-XA				
ORIENTATION	AREA	SHGC	E	
WEST	0.0m²	0.66	1.15	
NORTH	2.16m²	0.66	0.84	1.646
EAST	0.0m²	0.66	1.01	0
SOUTH	6.21m²	0.66	0.87	3.565
TOTAL WINDOW AREA	8.37m²			4.746



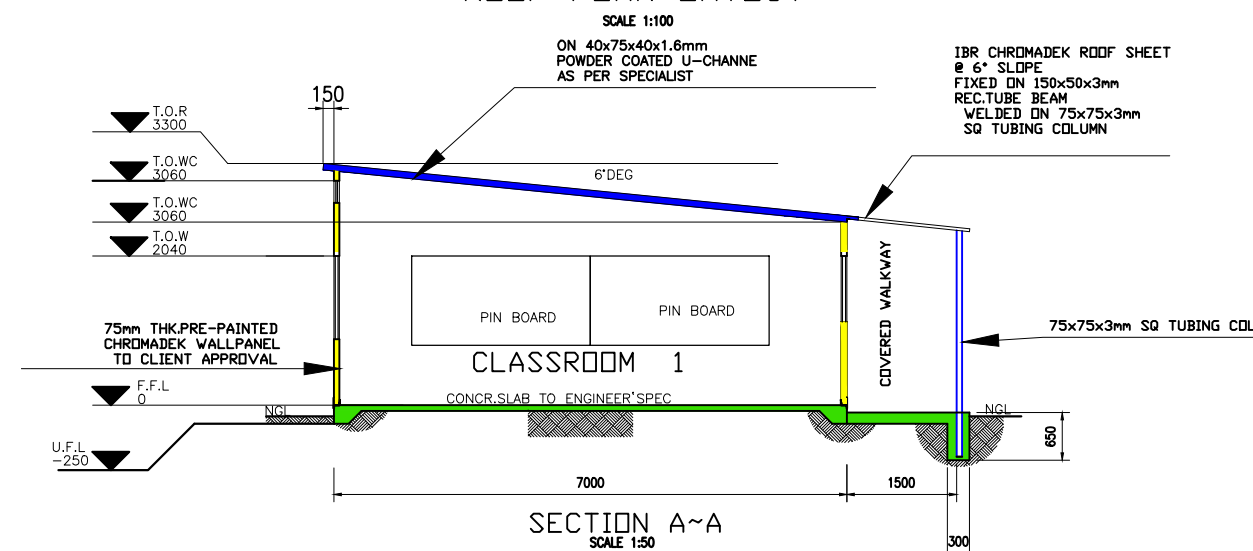
SOUTH ELEVATION
SCALE 1:100



NORTH ELEVATION
SCALE 1:100

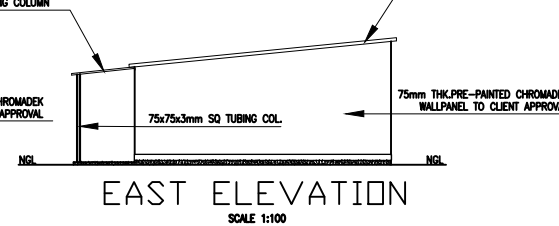


ROOF PLAN LAYOUT
SCALE 1:100



SECTION A~A
SCALE 1:50

WEST ELEVATION
SCALE 1:100



EAST ELEVATION
SCALE 1:100

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 ALLOWED = 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 B CLASSROOM LAYOUT
ELEVATION & SECTION

SCALE: 1:500	STAND NUMBER: 1613
TOWNSHIP:	REGION:

DRAWN: BA Masilela	DATE: 09/01/2015
CHECKED:	DATE: 09/01/2015
RECOMMENDED:	DATE:
RECOMMENDED:	DATE:
APPROVED:	DATE:

abacus
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DRAWING NUMBER:
A890-02-01