

**GROSS BUILDING AREA**

Name	Area
Building	735 m <sup>2</sup>

Area of total Site to be utilised  
 - 1997.58 sqm of  
 - 10353.00 sqm ( Total site - Erf 202 )  
 = 19 % of Total Site to be utilised

REFER TO STRUCTURAL ENGINEERS DRAWINGS AND SPECIFICATIONS.  
 REFER TO CIVIL ENGINEERS DRAWINGS AND LEVELS - ALL LEVELS TO BE CONFIRMED BY CIVIL ENGINEER PRIOR TO ANY WORK BEING DONE.  
 STORM WATER INLET TO CIVIL ENG.

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**REVISIONS**

No.	Description	Date	By	To
A	Mun Submission	2020-03-20	WPF	COCT

Zoning classification: Place of Education  
 Occupation classification: A3  
 Developer/Development:

**STAGE 4.1: MUNICIPAL SUBMISSION**

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 Date: \_\_\_\_\_  
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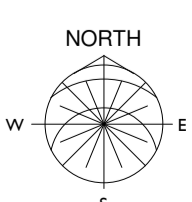
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Professional: \_\_\_\_\_  
 SACAP no.: PrArch 24693823  
 Architect signature: \_\_\_\_\_

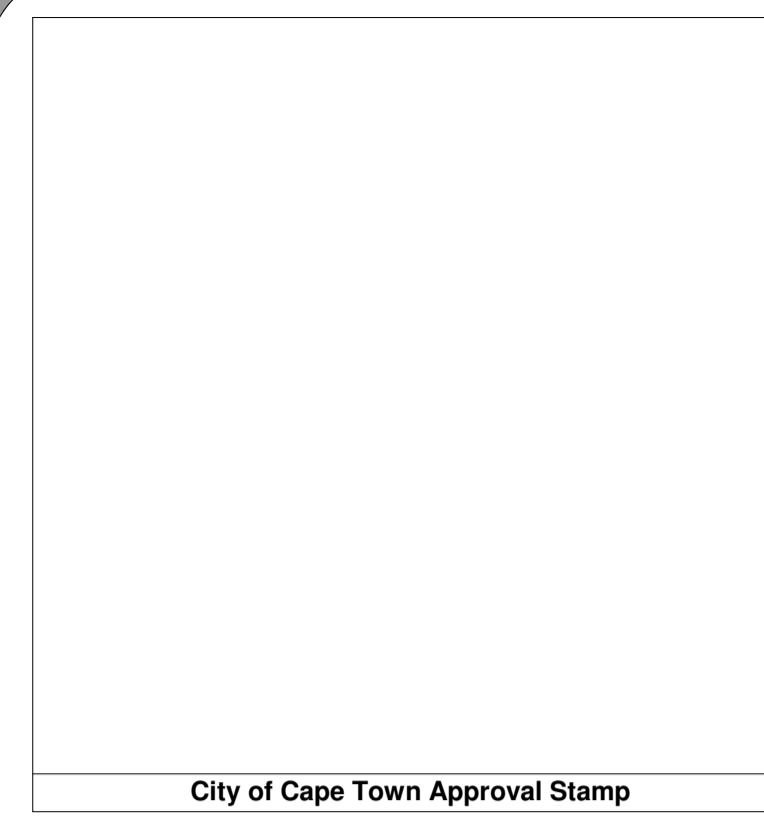
Project:  
**Erf 202 - Langa Township ,  
 Cape Town - Love 2 Langa -  
 Montessori Primary School**

CLASSROOM BLOCK  
 Drawing: SITE PLAN

DATE	2020-03-20	DRAWN	WPF	PAPER SIZE
SCALE	1 : 200	CHECKED	IC.CS	A1
PROJECT	409	DRAWING NO	100	REVISION
				A



Site Plan Layout  
 1 : 200

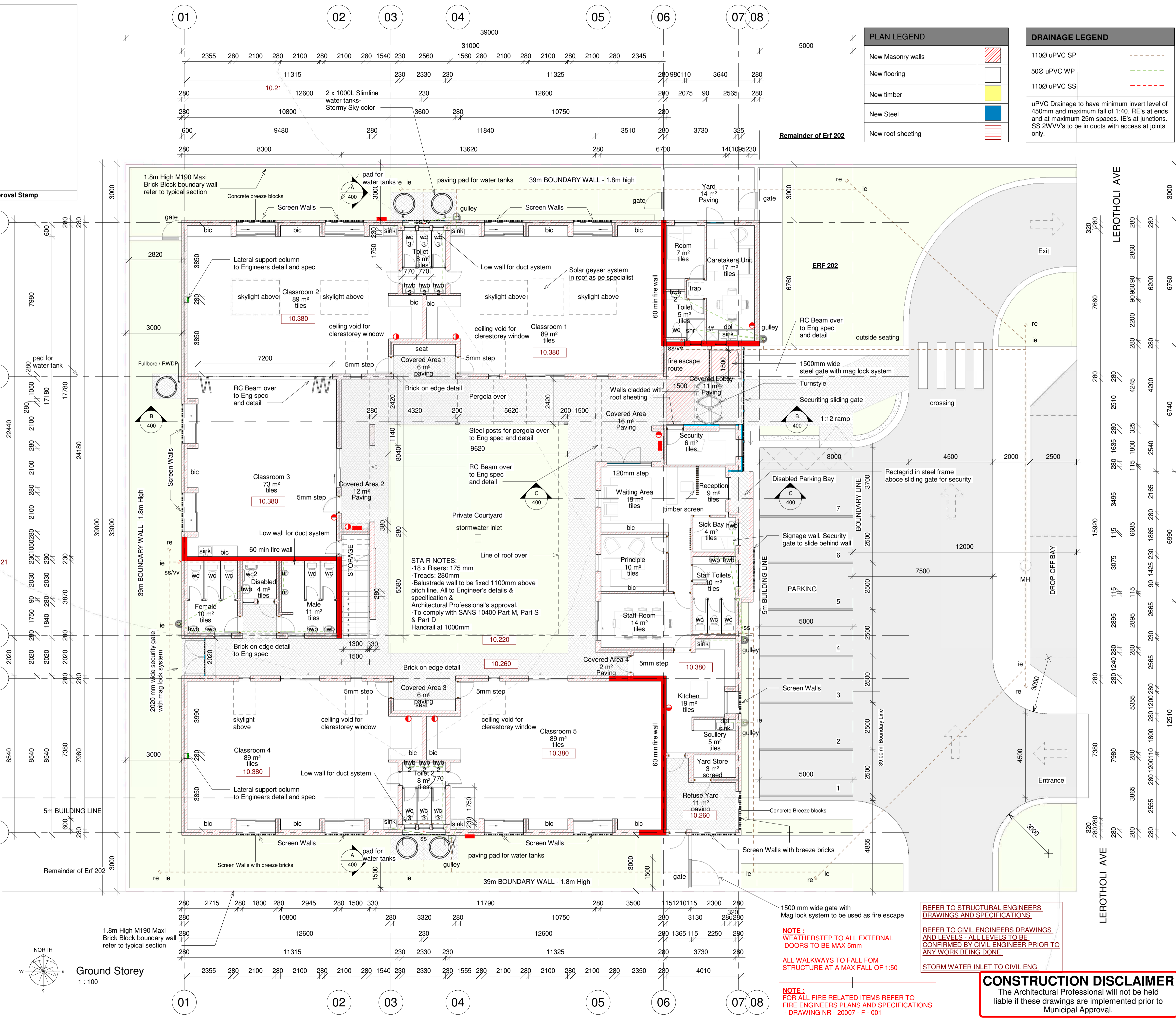


**GROSS BUILDING AREA**

Name	Area
Building	735 m <sup>2</sup>

**NETT AREA**

Name	Area
Caretakers Unit	17 m <sup>2</sup>
Classroom 1	89 m <sup>2</sup>
Classroom 2	89 m <sup>2</sup>
Classroom 3	73 m <sup>2</sup>
Classroom 4	89 m <sup>2</sup>
Classroom 5	89 m <sup>2</sup>
Covered Area	16 m <sup>2</sup>
Covered Area 1	6 m <sup>2</sup>
Covered Area 2	12 m <sup>2</sup>
Covered Area 3	6 m <sup>2</sup>
Covered Area 4	2 m <sup>2</sup>
Covered Lobby	11 m <sup>2</sup>
Disabled	4 m <sup>2</sup>
Female	10 m <sup>2</sup>
Kitchen	19 m <sup>2</sup>
Male	11 m <sup>2</sup>
Principle	10 m <sup>2</sup>
Reception	9 m <sup>2</sup>
Refuse Yard	11 m <sup>2</sup>
Room	7 m <sup>2</sup>
Scullery	5 m <sup>2</sup>
Security	6 m <sup>2</sup>
Sick Bay	4 m <sup>2</sup>
Staff Room	14 m <sup>2</sup>
Staff Toilets	10 m <sup>2</sup>
Toilet	5 m <sup>2</sup>
Toilet 1	8 m <sup>2</sup>
Toilet 2	8 m <sup>2</sup>
Waiting Area	19 m <sup>2</sup>
Yard	14 m <sup>2</sup>
Yard Store	3 m <sup>2</sup>
Total Nett:	31 m <sup>2</sup>



**PLAN LEGEND**

New Masonry walls	[Red hatched pattern]
New flooring	[White box]
New timber	[Yellow box]
New Steel	[Blue box]
New roof sheeting	[Red and white striped pattern]

**DRAINAGE LEGEND**

1100 uPVC SP	[Dashed line]
500 uPVC WP	[Dotted line]
1100 uPVC SS	[Dash-dot line]

uPVC Drainage to have minimum invert level of 450mm and maximum fall of 1:40. RE's at ends and at maximum 25m spaces. IE's at junctions. SS 2WV's to be in ducts with access at joints only.

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Architect signature: \_\_\_\_\_

Project: Erf 202 - Langa Township, Cape Town - Love 2 Langa - Montessori Primary School

CLASSROOM BLOCK  
Drawing: GROUND FLOOR LAYOUT

DATE	2020-03-20	DRAWN	WPF	PAPER SIZE
SCALE	As indicated	CHECKED	IC.CS	A1
PROJECT	409	DRAWING NO	200	REVISION
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STORM WATER INLET TO CIVIL ENG

NOTE: WEATHERSTEP TO ALL EXTERNAL DOORS TO BE MAX 5mm  
ALL WALKWAYS TO FALL FROM STRUCTURE AT A MAX FALL OF 1:50

NOTE: FOR ALL FIRE RELATED ITEMS REFER TO FIRE ENGINEERS PLANS AND SPECIFICATIONS - DRAWING NR - 20007 - F - 001

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ELEVATION LEGEND	
Smooth Plaster and Painted 1	
Smooth Plaster and Painted 2	
Facebrick - Moroccan Red (Acc. ARC)	
Klip-Lok Sheeting	
Barge board	

City of Cape Town Approval Stamp



3D VIEW 1



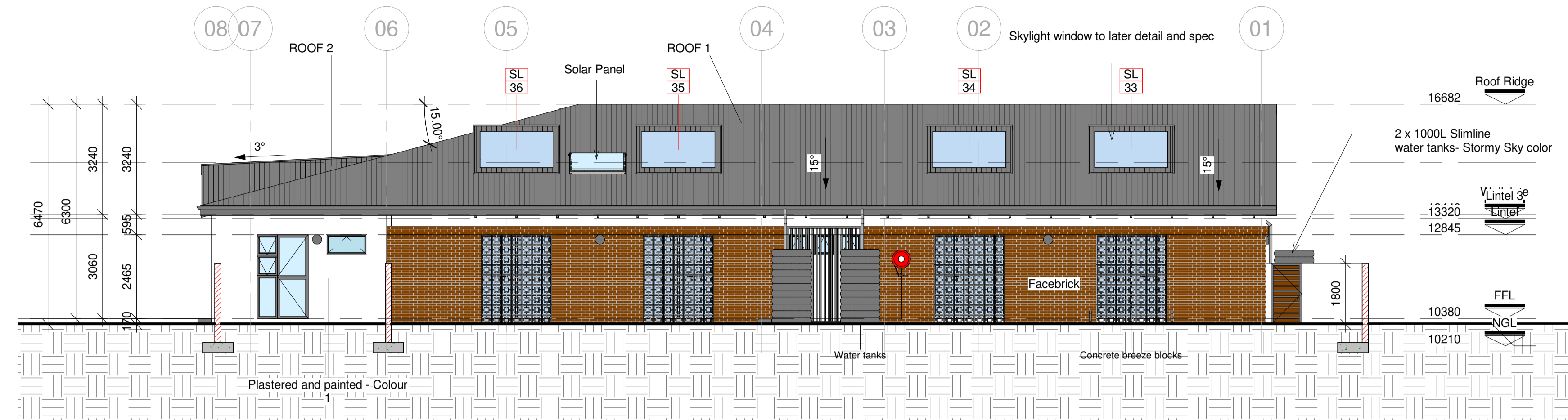
3D VIEW 2



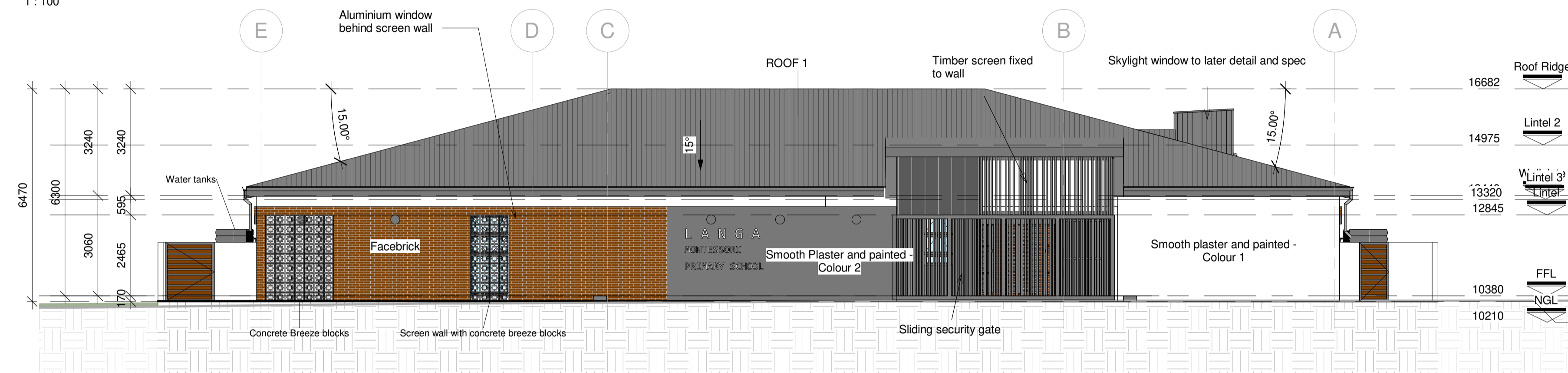
3D VIEW 3



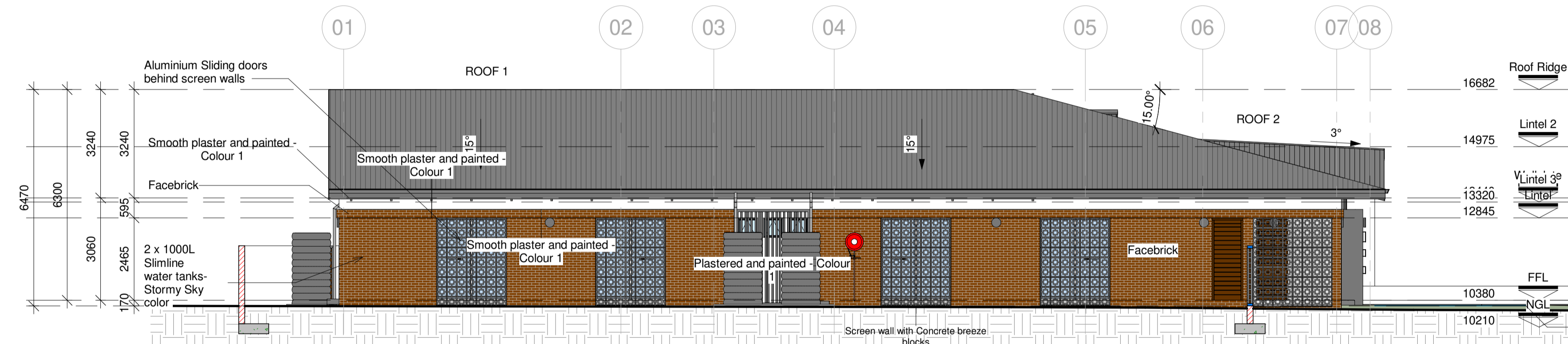
3D VIEW 4



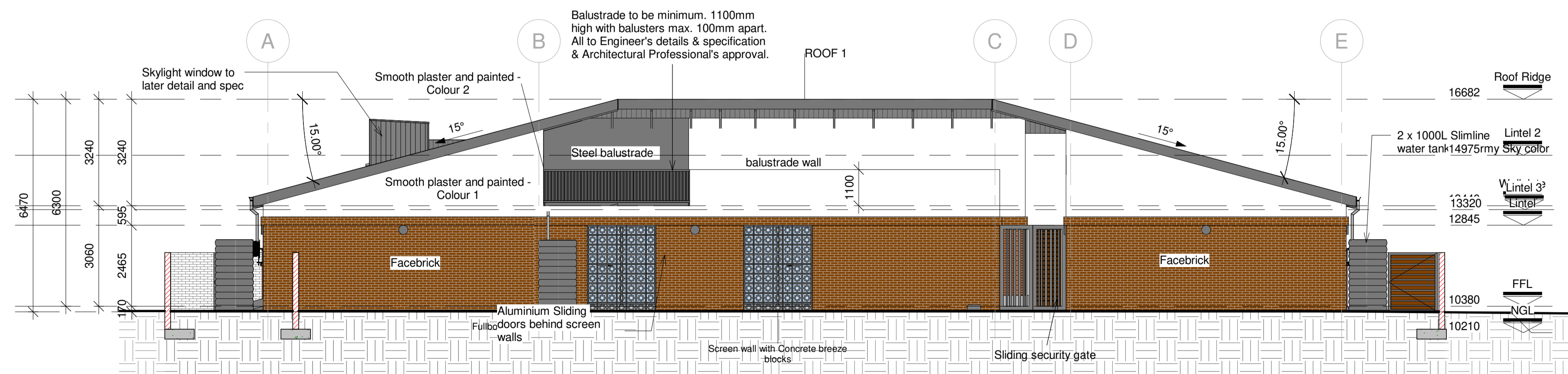
North Elevation  
1 : 100



East Elevation  
1 : 100



South Elevation  
1 : 100



West Elevation  
1 : 100

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SACAP no.:

Architect signature:

Project:  
**Erf 202 - Langa Township ,  
Cape Town - Love 2 Langa -  
Montessori Primary School**

CLASSROOM BLOCK

Drawing:  
ELEVATIONS

DATE	2020-03-20	DRAWN	WPF	PAPER SIZE
SCALE	As indicated	CHECKED	IC.CS	A1
PROJECT	409	DRAWING NO.	300	REVISION
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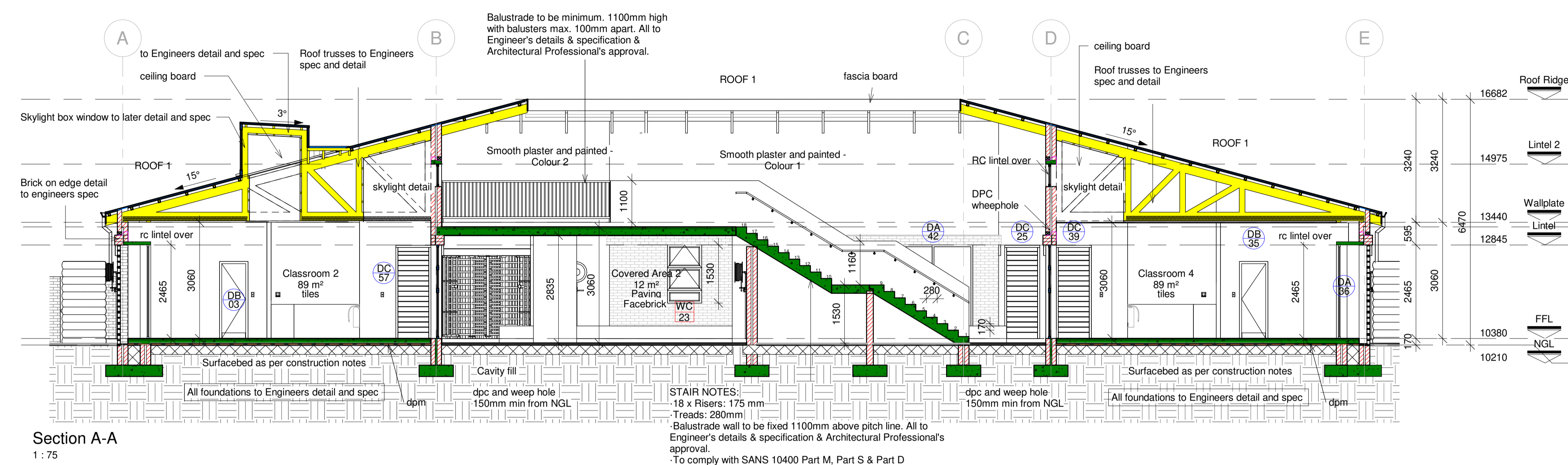
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Project: **Erf 202 - Langa Township, Cape Town - Love 2 Langa - Montessori Primary School**

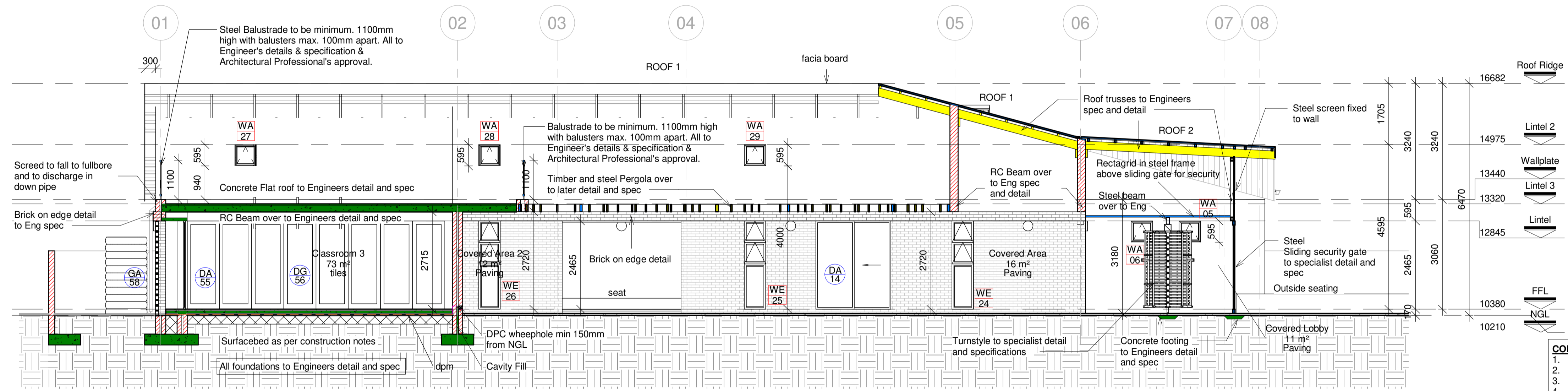
CLASSROOM BLOCK  
 Drawing: SECTIONS

DATE	2020-03-20	DRAWN	WPF	PAPER SIZE
SCALE	As indicated	CHECKED	IC.CS	A1
PROJECT	409	DRAWING NO.	400	REVISION
				A

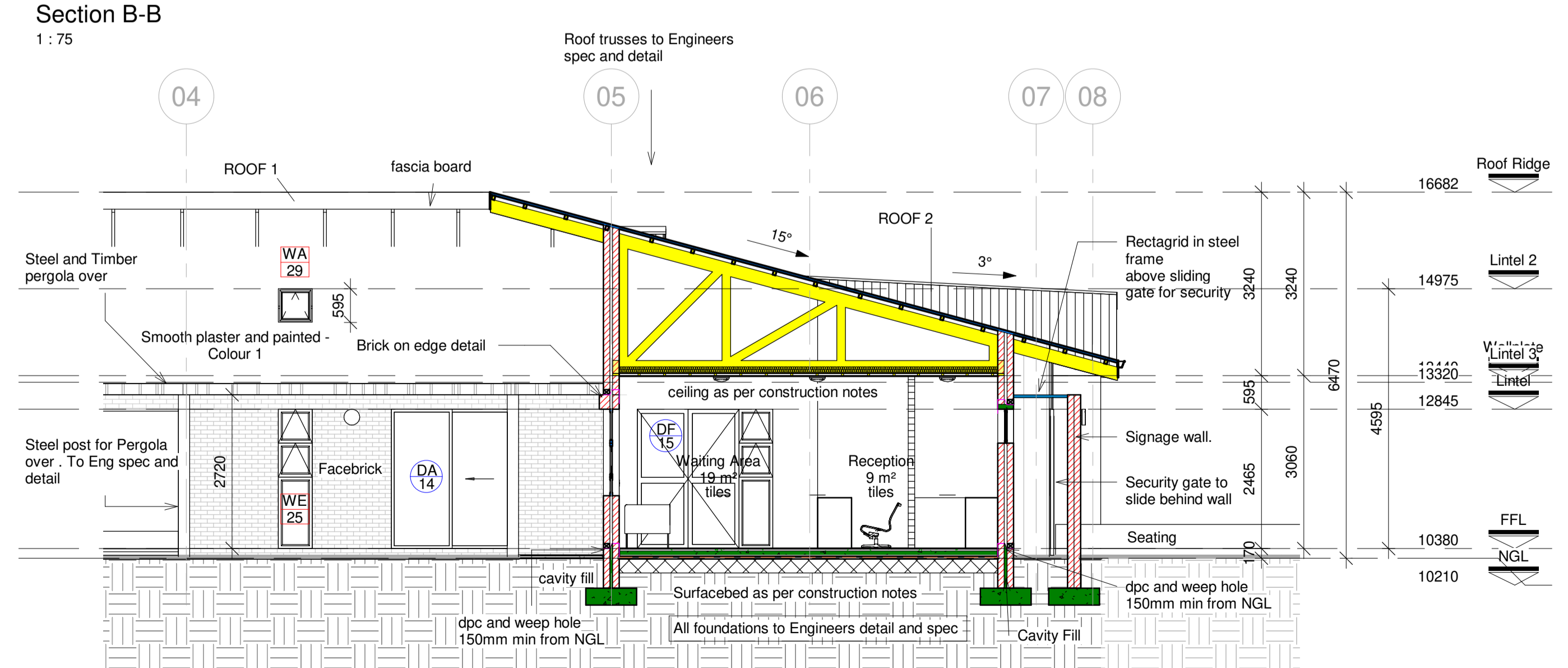


**SECTION LEGEND**

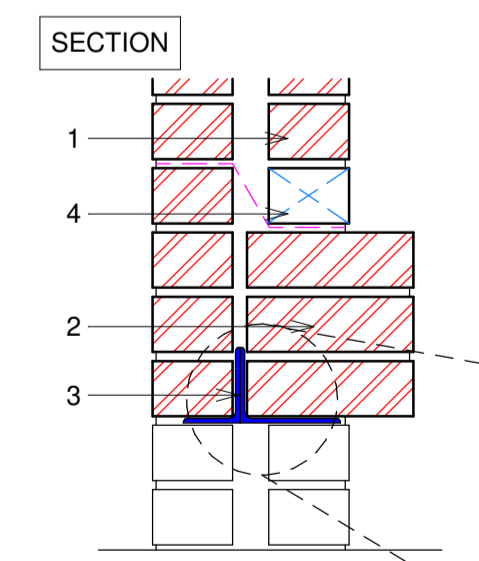
Masonry wall	
Concrete	
New Steel	
New timber	
DPM	
DPC	
Earth/soil	



- CONCRETE STRIP FOUNDATION UNDER BRICK CAVITY WALL:**
1. Selected Floor Finish
  2. Min. 30mm Bonded Cement Screed.
  3. 100mm Reinforced Concrete Surface Bed.
  4. 250micron DPM (---)
  5. Hardcore Earth Filling in layers of Minimum 150mm.
  6. Weephole
  7. Galvanised mild-steel butterfly tie.
  8. Mortar fill to underside of DPC to support membrane.
  9. 375micron DPC (---)

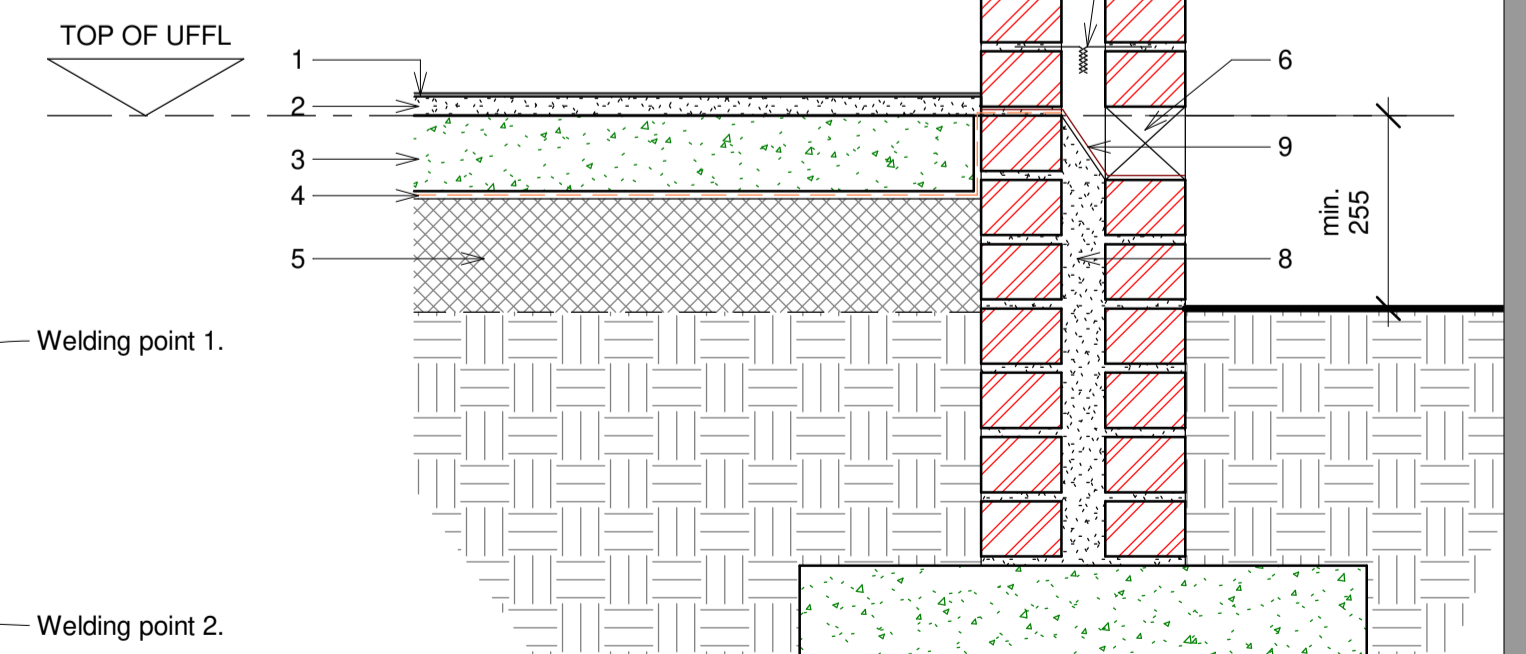


TO ENGINEERS DETAIL AND SPEC



- LINTEL - SOLDIER COURSE:**
1. External FBA.
  2. FBA Soldier Course Brick Lintel x 3
  3. Two x 6x75x100mm Unequal Angle Sections Welded back to back to make T-Section. (16.08kg/m)
  4. DPC Weephole

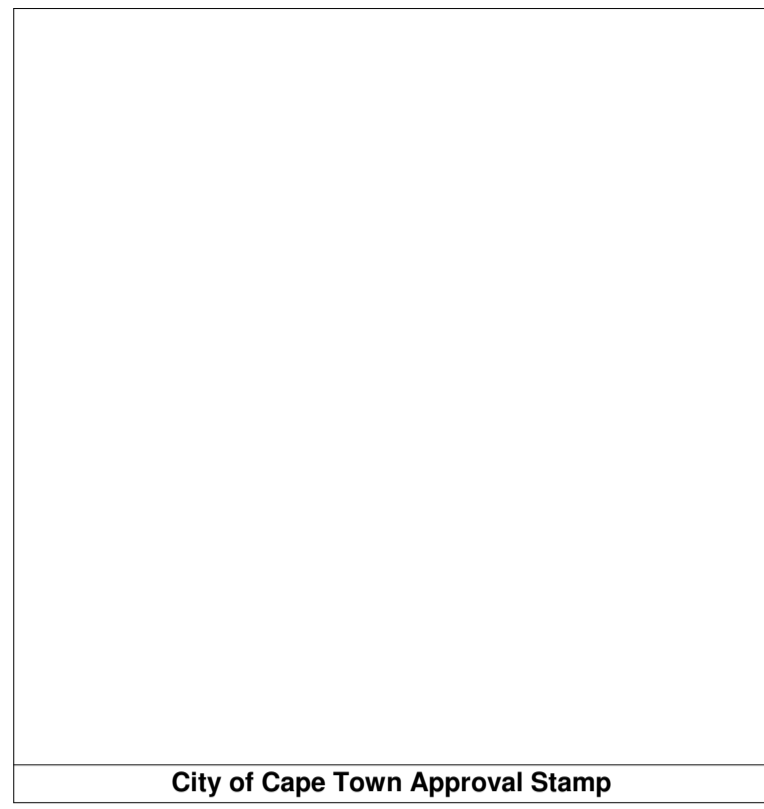
Brick on Edge Detail  
1 : 10



Foundation Detail  
1 : 10

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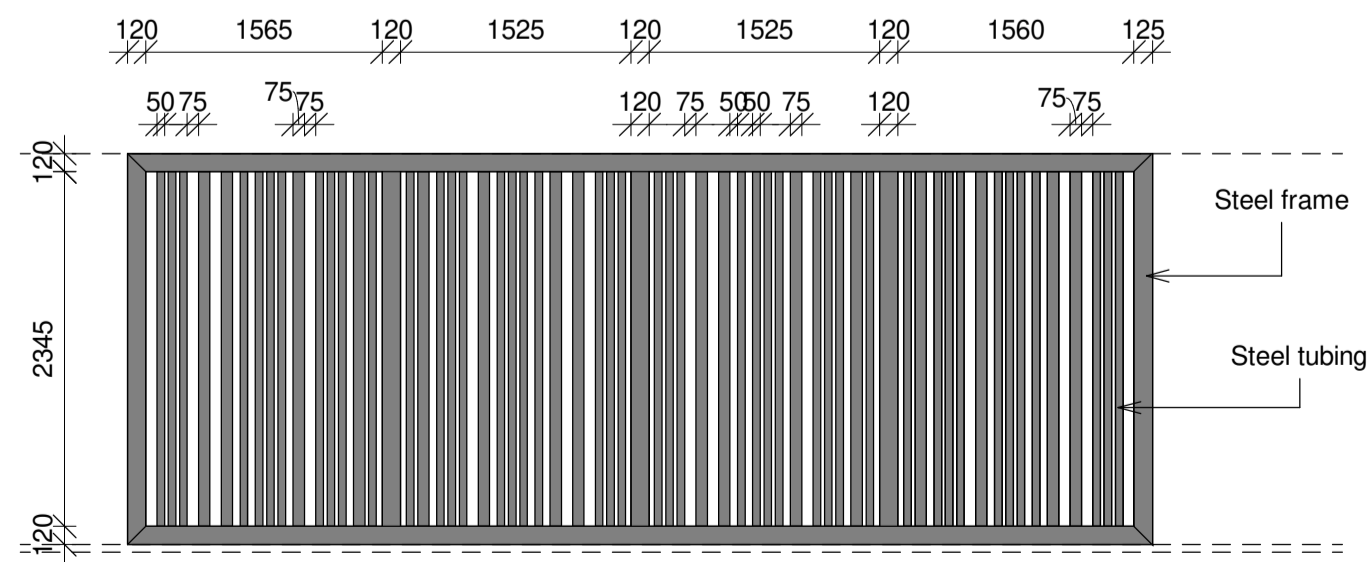
Ground Storey - Door and Window Layout  
1 : 100

**DOOR COUNT**

Description	Count
DA	15
DB	19
DC	17
DD	1
DF	4
DG	1
GA	4
GB	1
Steel Gate	1
<b>Grand total:</b>	<b>63</b>

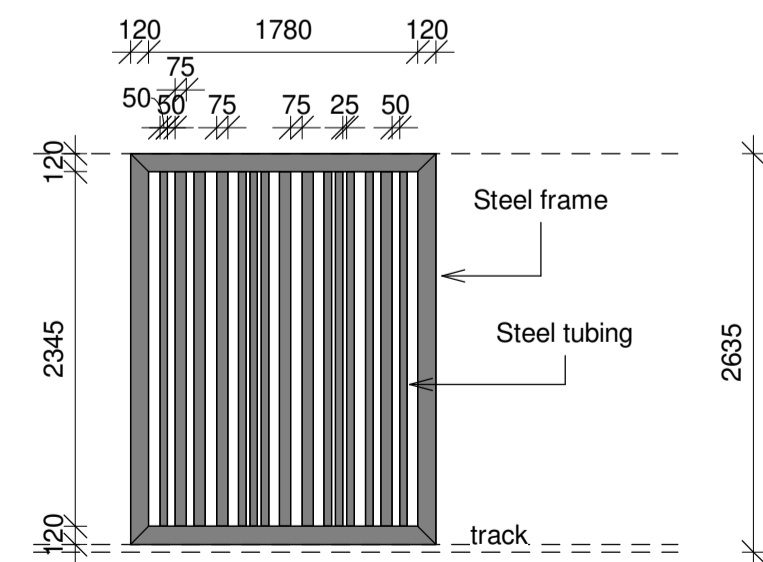
**(WINDOW COUNT)**

Description	Count
Skylight	4
WA	15
WB	4
WC	6
WD	1
WE	6
<b>Grand total:</b>	<b>36</b>

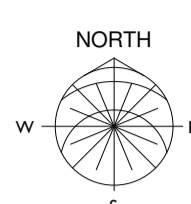


Gates to be manufactured and fitted by specialists  
Security Sliding Gate nr 1

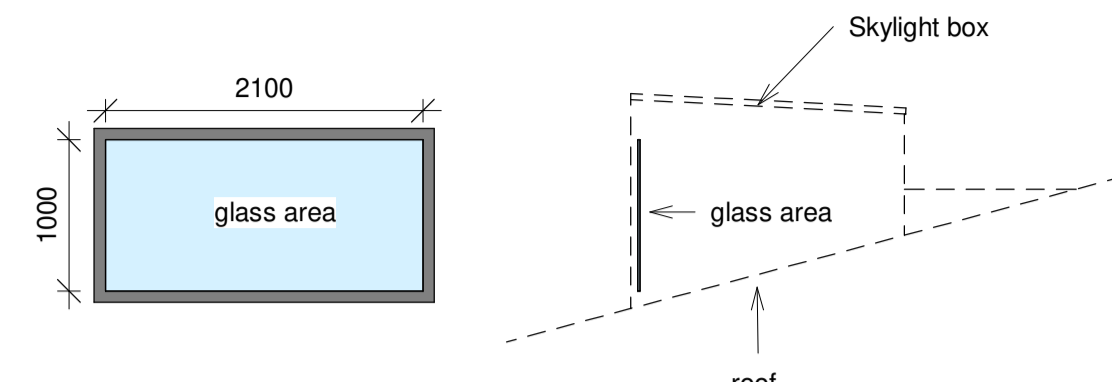
Security Gate Legend  
1 : 50



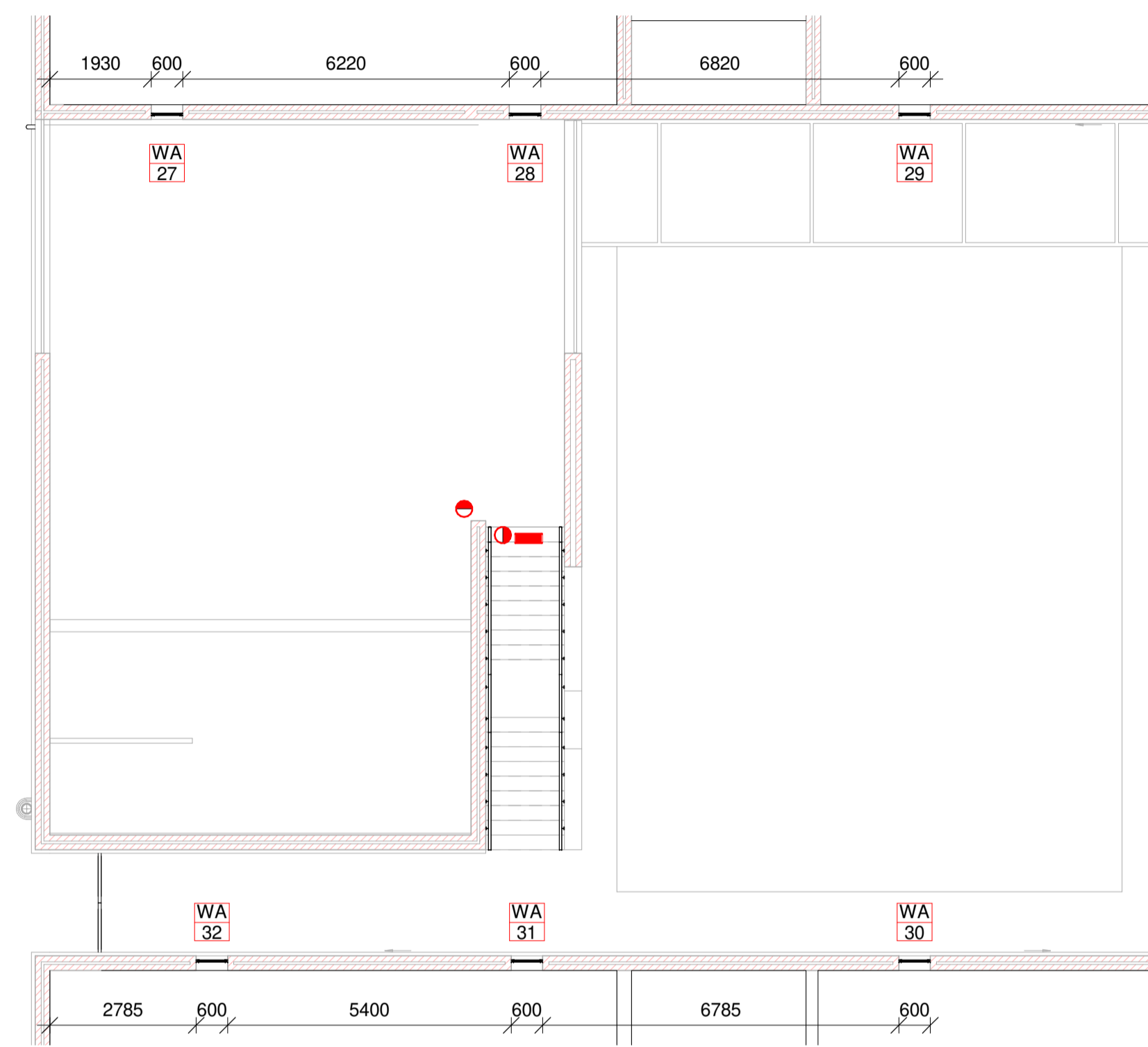
Security Sliding Gate nr 2



Skylight Window Detail  
1 : 50



Roof Space Windows  
1 : 100



Door / Gate Type: D... #

Window / Louvre Type: W... #

Number: #

**ESCAPE DOORS:**  
To be fitted with push bars mechanisms. Refer to Fire plan to see amount.

**FIRE DOORS:**  
To be fitted with self closing mechanisms. Refer to Fire plan to see amount.

**IRONMONGERY:**  
Refer to specialist details & specification - to be provided by Architectural Professional

**NOTE:**  
See attached drawings of Casement details & specifications.  
Shop drawings to be provided for all Windows & doors. Specialist to comply with AAMSA regulations.  
Windload to be provided by Structural Engineer & Specialist to design according to this factor.

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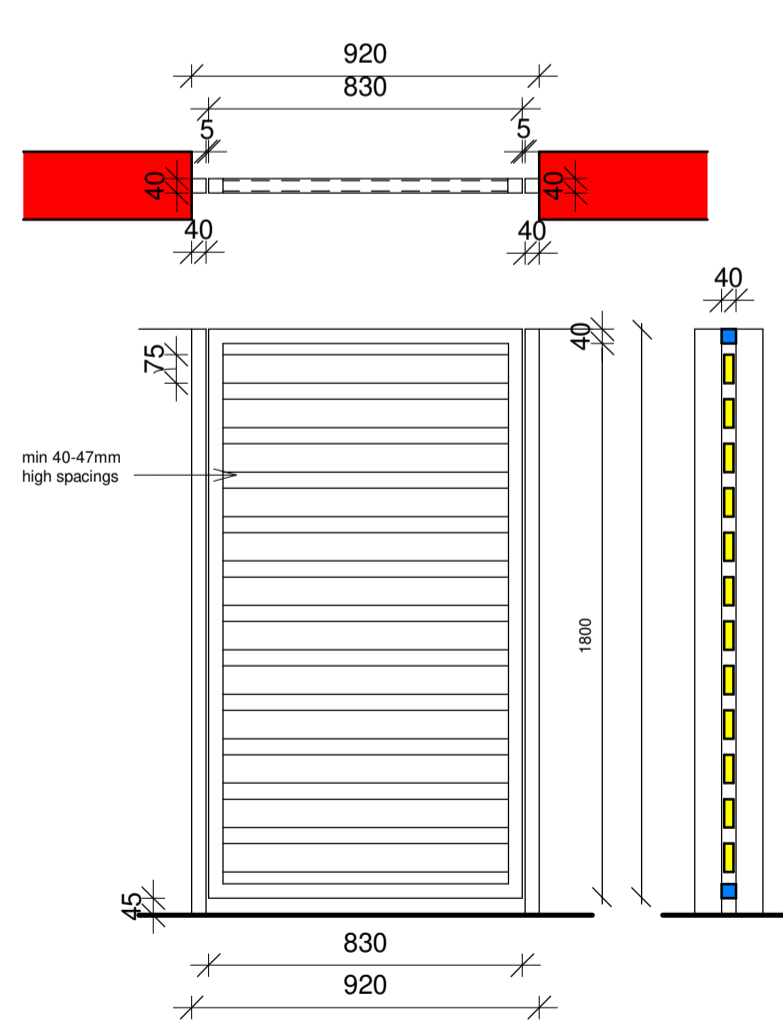
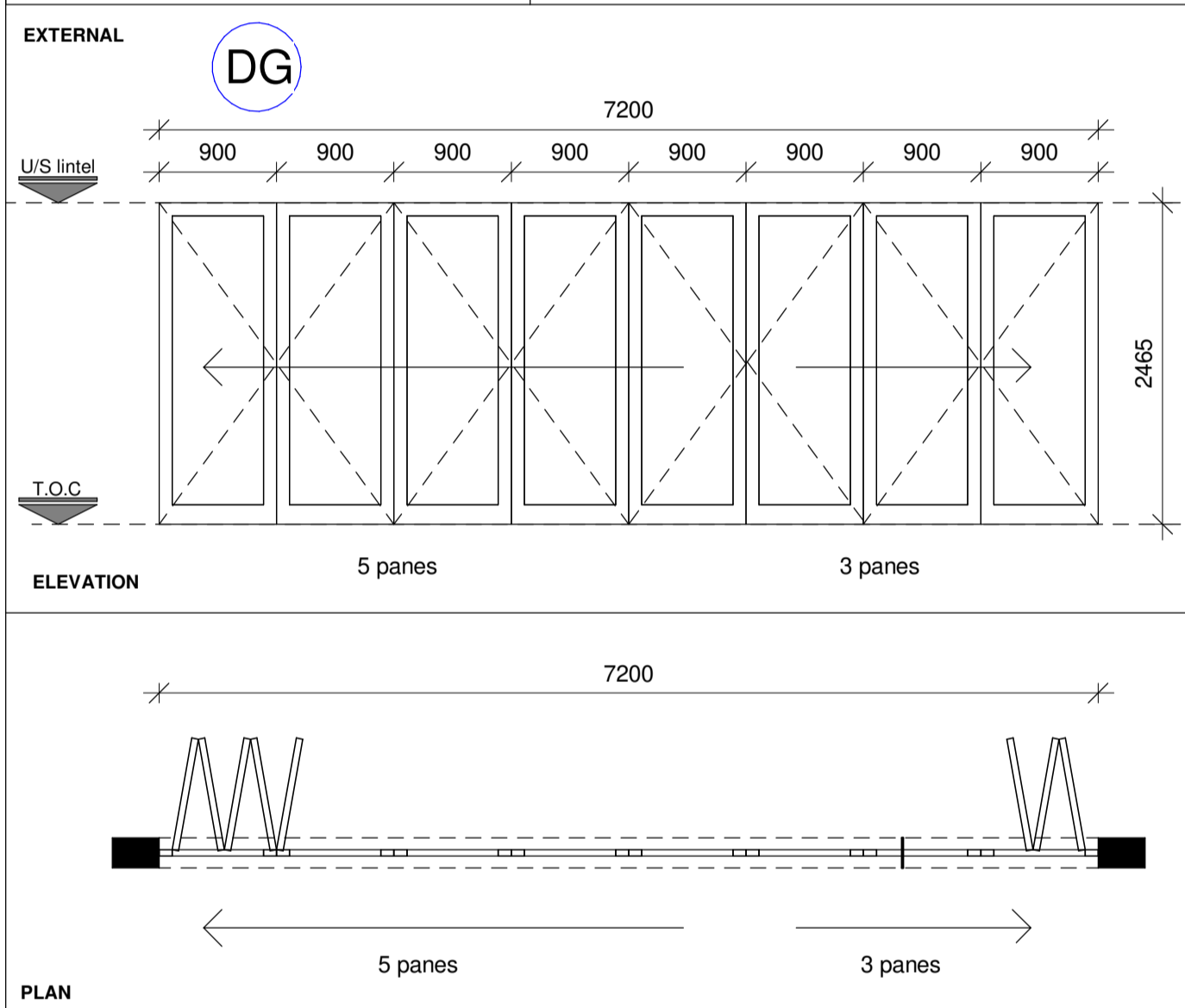
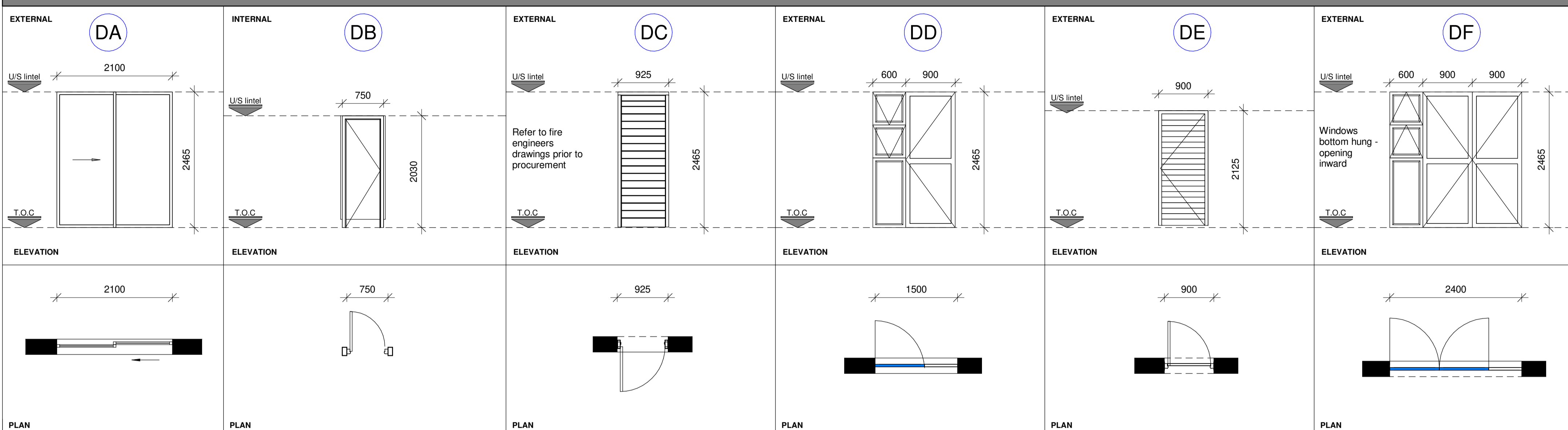
Project:  
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Cape Town - Love 2 Langa -  
Montessori Primary School**

CLASSROOM BLOCK  
Drawing:  
DOOR AND WINDOW PLAN LAYOUT

DATE	2020-03-20	DRAWN	WPF	PAPER SIZE
SCALE	As indicated	CHECKED	IC.CS	A1
PROJECT	409	DRAWING NO	600	REVISION
				A

# DOOR SCHEDULE

SCALE 1:50



Manufactured from 38 X 38 tube, 75 X 25 tube  
 - All welds to be grinded clean  
 - Unspecified radius are 3mm.  
 - All steel work to be epoxy coated

Gate Detail - GA  
1 : 20

## DOOR SCHEDULE

Mark	Level	Description	Count	Frame Type	Fire Rating
DA					
01	FFL	DA	1	Aluminium	-
02	FFL	DA	1	Aluminium	-
09	FFL	DA	1	Aluminium	-
10	FFL	DA	1	Aluminium	-
14	FFL	DA	1	Aluminium	-
29	FFL	DA	1	Aluminium	-
30	FFL	DA	1	Aluminium	-
36	FFL	DA	1	Aluminium	-
37	FFL	DA	1	Aluminium	-
38	FFL	DA	1	Aluminium	-
41	FFL	DA	1	Aluminium	-
42	FFL	DA	1	Aluminium	-
53	FFL	DA	1	Aluminium	-
54	FFL	DA	1	Aluminium	-
55	FFL	DA	1	Aluminium	-
DA: 15					
DB					
03	FFL	DB	1	Timber	-
04	FFL	DB	1	Timber	-
05	FFL	DB	1	Timber	-
06	FFL	DB	1	Timber	-
07	FFL	DB	1	Timber	-
21	FFL	DB	1	Timber	-
22	FFL	DB	1	Timber	-
23	FFL	DB	1	Timber	-
31	FFL	DB	1	Timber	-
32	FFL	DB	1	Timber	-
33	FFL	DB	1	Timber	-
34	FFL	DB	1	Timber	-
35	FFL	DB	1	Timber	-
45	FFL	DB	1	Timber	-
46	FFL	DB	1	Timber	-
48	FFL	DB	1	Timber	-
49	FFL	DB	1	Timber	-
50	FFL	DB	1	Timber	-
51	FFL	DB	1	Timber	-
DB: 19					
DC					
08	FFL	DC	1	Timber	-

## DOOR SCHEDULE

Mark	Level	Description	Count	Frame Type	Fire Rating
17	FFL	DC	1	Timber	-
18	FFL	DC	1	Timber	-
20	FFL	DC	1	Timber	-
24	FFL	DC	1	Timber	-
25	FFL	DC	1	Timber	-
26	FFL	DC	1	Timber	-
27	FFL	DC	1	Timber	-
28	FFL	DC	1	Timber	-
39	FFL	DC	1	Timber	-
40	FFL	DC	1	Timber	-
43	FFL	DC	1	Timber	-
44	FFL	DC	1	Timber	-
47	FFL	DC	1	Timber	-
52	FFL	DC	1	Timber	-
57	FFL	DC	1	Timber	-
G67	FFL	DC	1		-
DC: 17					
DD					
11	FFL	DD	1	Aluminium	-
DD: 1					
DF					
12	FFL	DF	1	Aluminium	-
13	FFL	DF	1	Aluminium	-
15	FFL	DF	1	Aluminium	-
19	FFL	DF	1	Aluminium	-
DF: 4					
DG					
56	FFL	DG	1	Aluminium	-
DG: 1					
GA					
58	FFL	GA	1	Steel	-
59	FFL	GA	1	Steel	-
60	FFL	GA	1	Steel	-
61	NGL	GA	1	Steel	-
GA: 4					
GB					
G63		GB	1	Steel	-
GB: 1					
Steel Gate					
G65	FFL	Steel Gate	1		-
Steel Gate: 1					
63					

## DOOR COUNT

Description	Count
DA	15
DB	19
DC	17
DD	1
DF	4
DG	1
GA	4
GB	1
Steel Gate	1
Grand total:	63

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**REVISIONS**

No.	Description	Date	By	To
A	Mun Submission	2020-03-20	WPF	COCT

Zoning classification: Place of Education  
 Occupation classification: A3  
 Developer/Development:

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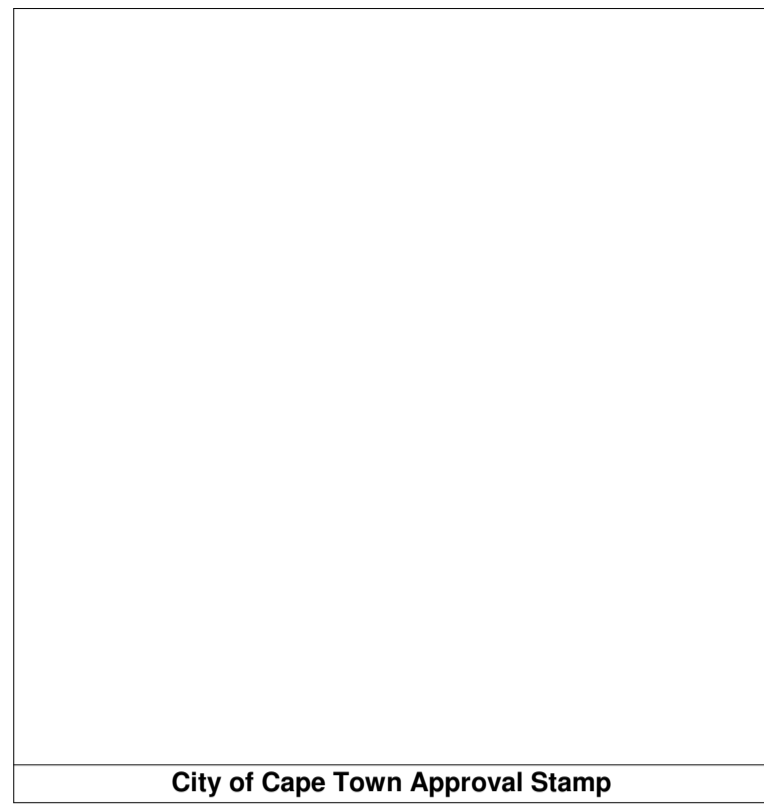
Professional:  
 SACAP no.: PrArch 24693823  
 Architect signature:

Project:  
**Erf 202 - Langa Township ,  
 Cape Town - Love 2 Langa -  
 Montessori Primary School**

CLASSROOM BLOCK  
 Drawing: DOOR SCHEDULE

DATE	2020-03-20	DRAWN	WPF	PAPER SIZE
SCALE	As indicated	CHECKED	IC.CS	A1
PROJECT	409	DRAWING NO	601	REVISION
				A

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**REVISIONS**

No.	Description	Date	By	To
A	Mun Submission	2020-03-20	WPF	COCT

Zoning classification: Place of Education  
 Occupation classification: A3  
 Developer/Development:

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Professional: \_\_\_\_\_  
 SACAP no.: PrArch 24693823

Architect signature:

Project: **Erf 202 - Langa Township ,  
 Cape Town - Love 2 Langa -  
 Montessori Primary School**

CLASSROOM BLOCK  
 Drawing: WINDOW SCHEDULE

DATE	2020-03-20	DRAWN	WPF	PAPER SIZE
SCALE	1 : 50	CHECKED	IC.CS	A1
PROJECT	409	DRAWING NO.	602	REVISION
				A

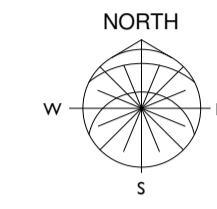
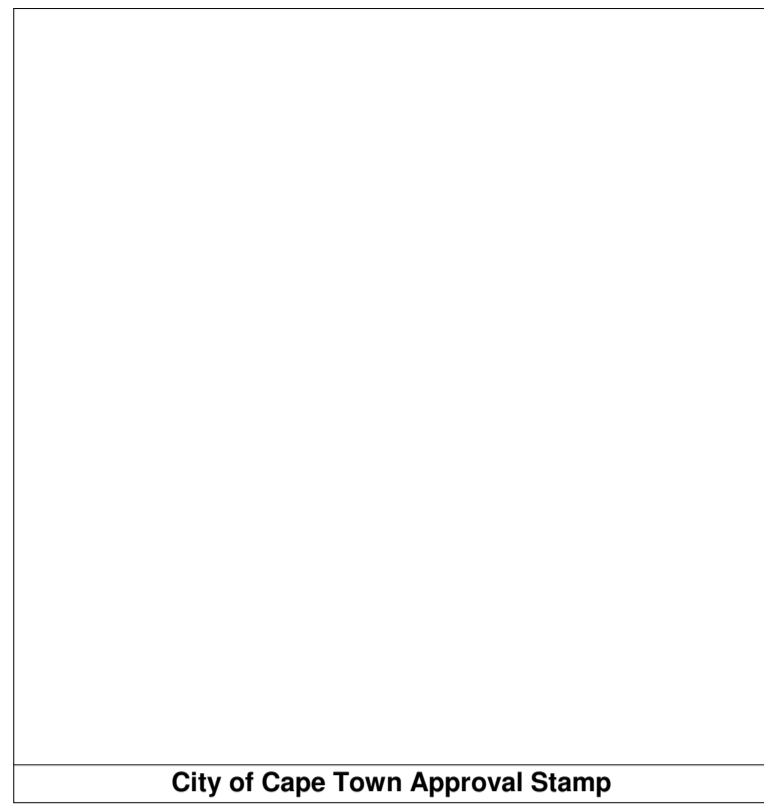
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WINDOW SCHEDULE		SCALE 1:50	
<b>EXTERNAL</b>		<b>EXTERNAL</b>	
<b>EXTERNAL</b>		<b>EXTERNAL</b>	
<b>EXTERNAL</b>			
<b>Type</b>	<b>WA</b>	<b>Type</b>	<b>WB</b>
<b>Description</b>	Bottom hung - Opening inward - aluminium windows shown able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 2000Pa with surfaces to receive.	<b>Description</b>	Bottom hung - Opening inward - aluminium windows shown able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 2000Pa with surfaces to receive.
<b>Glass</b>	Applied in accordance with SANS 1796 by an approved applicator. Laminated Safety Glass, Intruderprufe NS. Glazing shall be executed strictly in conformance with glass manufacturer's recommendations , to SANS 10137:2011.	<b>Glass</b>	Applied in accordance with SANS 1796 by an approved applicator. Laminated Safety Glass, Intruderprufe NS. Glazing shall be executed strictly in conformance with glass manufacturer's recommendations , to SANS 10137:2011.
<b>Frame</b>	All in accordance with SANS 10400 Parts B, N, XA, fitted in accordance with Wispeco Casement 30.5 system, plugged and screwed to brickwork or concrete.	<b>Frame</b>	All in accordance with SANS 10400 Parts B, N, XA, fitted in accordance with Wispeco Casement 30.5 system, plugged and screwed to brickwork or concrete.
<b>Colour</b>	Interpon,Charcoal, Matt Finish, CODE: ANP 3055, Category Classification: Recieve 60-80µm, Class1 powder coating, supplied by a manufacturer complying with SANS 1578.	<b>Colour</b>	Interpon,Charcoal, Matt Finish, CODE: ANP 3055, Category Classification: Recieve 60-80µm, Class1 powder coating, supplied by a manufacturer complying with SANS 1578.
<b>Ironmongery</b>	To specialist detail & specification, supplier to provide adequate Ironmongery. Architectural Professional to approve before installation. Contractor to supply Architectural Professional with Shopdrawings of door & Ironmongery before ordered.	<b>Ironmongery</b>	To specialist detail & specification, supplier to provide adequate Ironmongery. Architectural Professional to approve before installation. Contractor to supply Architectural Professional with Shopdrawings of door & Ironmongery before ordered.
<b>Type</b>	<b>WC</b>	<b>Type</b>	<b>WD</b>
<b>Description</b>	Bottom hung - Opening inward - aluminium window with bottom light as shown able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 2000Pa with surfaces to receive.	<b>Description</b>	Bottom hung - Opening inward - aluminium window with bottom light as shown able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 2000Pa with surfaces to receive.
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<b>Type</b>	<b>WE</b>	<b>Type</b>	<b>WE</b>
<b>Description</b>	Bottom hung - Opening inward - aluminium window with bottom light as shown able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 2000Pa with surfaces to receive.	<b>Description</b>	Bottom hung - Opening inward - aluminium window with bottom light as shown able to meet the mechanical performance requirements of SANS 613 for wind loads of up to 2000Pa with surfaces to receive.
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**(WINDOW COUNT**

Description	Count
Skylight	4
WA	15
WB	4
WC	6
WD	1
WE	6
Grand total:	36





ELECTRICAL LEGEND	
	Electrical Cable
<p>DB boards to be provided by Contractor. Sufficient provision to be provided on DB circuit for all new electrical points and cabling. DB board position to Contractor / Specialist indication.</p> <p>All external fittings to be connected to a Day / night switch.</p> <p>Switch sensor to be positioned on the North Eastern corner of building.</p> <p>All External fittings to be connected to a Day / Night switch. Switch sensor to be positioned on the North Eastern corner of building.</p> <p>All light fittings to match fittings/heights, etc of existing school.</p> <p>All Electrical related items must comply with National Building Regulations and SANS 10400.</p> <p>Refer to ceiling note to ensure correct positioning and type of ceiling board.</p> <p>Mechanical ventilation points to be checked with Mechanical engineer.</p>	

ELECTRICAL SCHEDULE		
Type Image	Description	Count
	Dual plug sockets: Old SA standard, ZA plug socket 1100mm AFFL	17
	DB Board	1
	Dual plug sockets: Old SA standard, ZA plug (SANS 146-2) socket 300mm AFFL	27
Grand total: 45		

ELECTRICAL SCHEDULE - LIGHTS		
Type Image	Description	Count
	Light switch - single	28
	Solo - ceiling mounted internal - Walkways/Store	20
	Tube light	46
	Solo - Wall - external	29
Grand total: 123		

Ground Storey - Electrical Layout  
1 : 100

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No.	Description	Date	By	To
A	Mun Submission	2020-03-20	WPF	COCT

Zoning classification: Place of Education  
Occupation classification: A3

Developer/Development:

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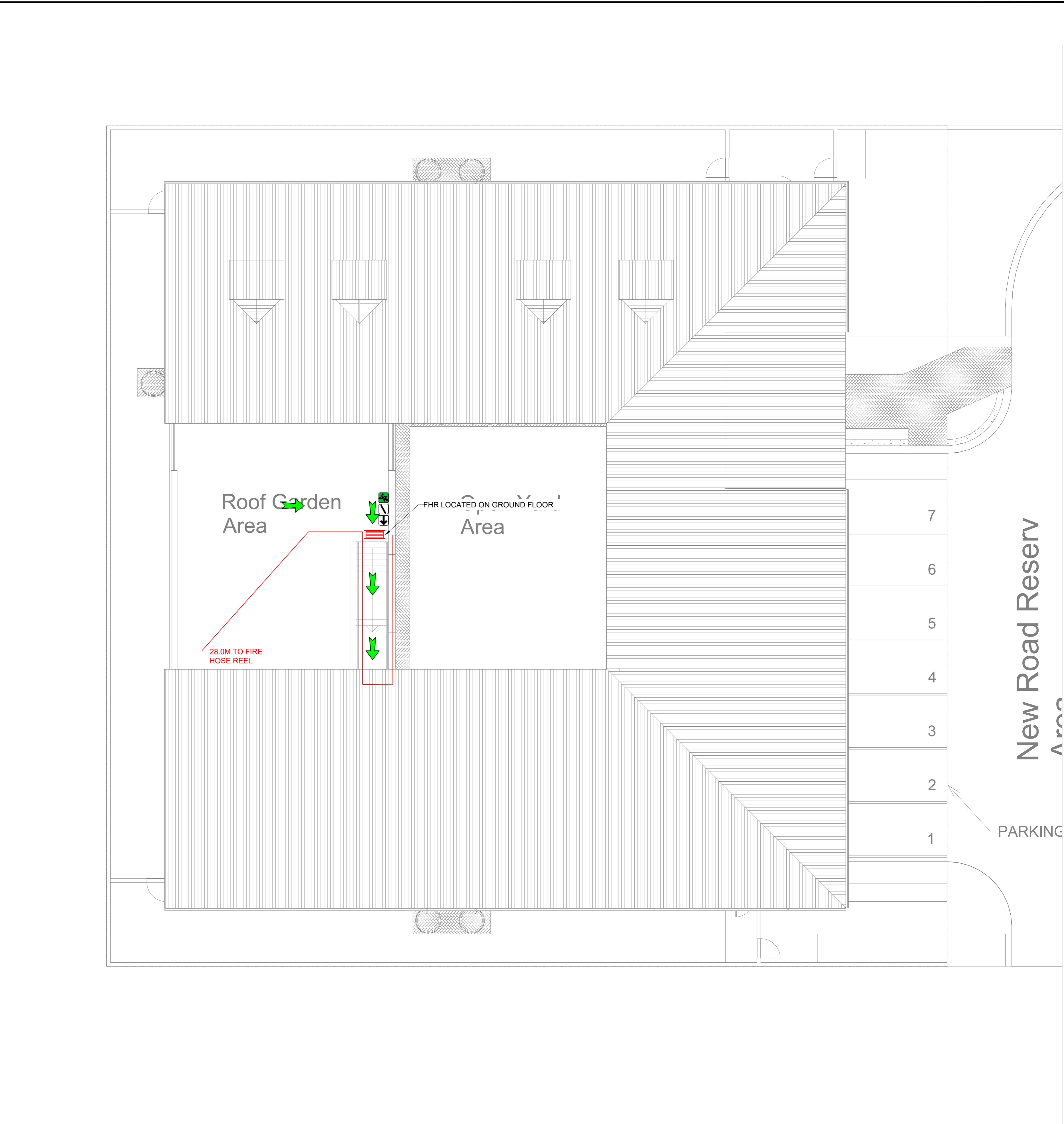
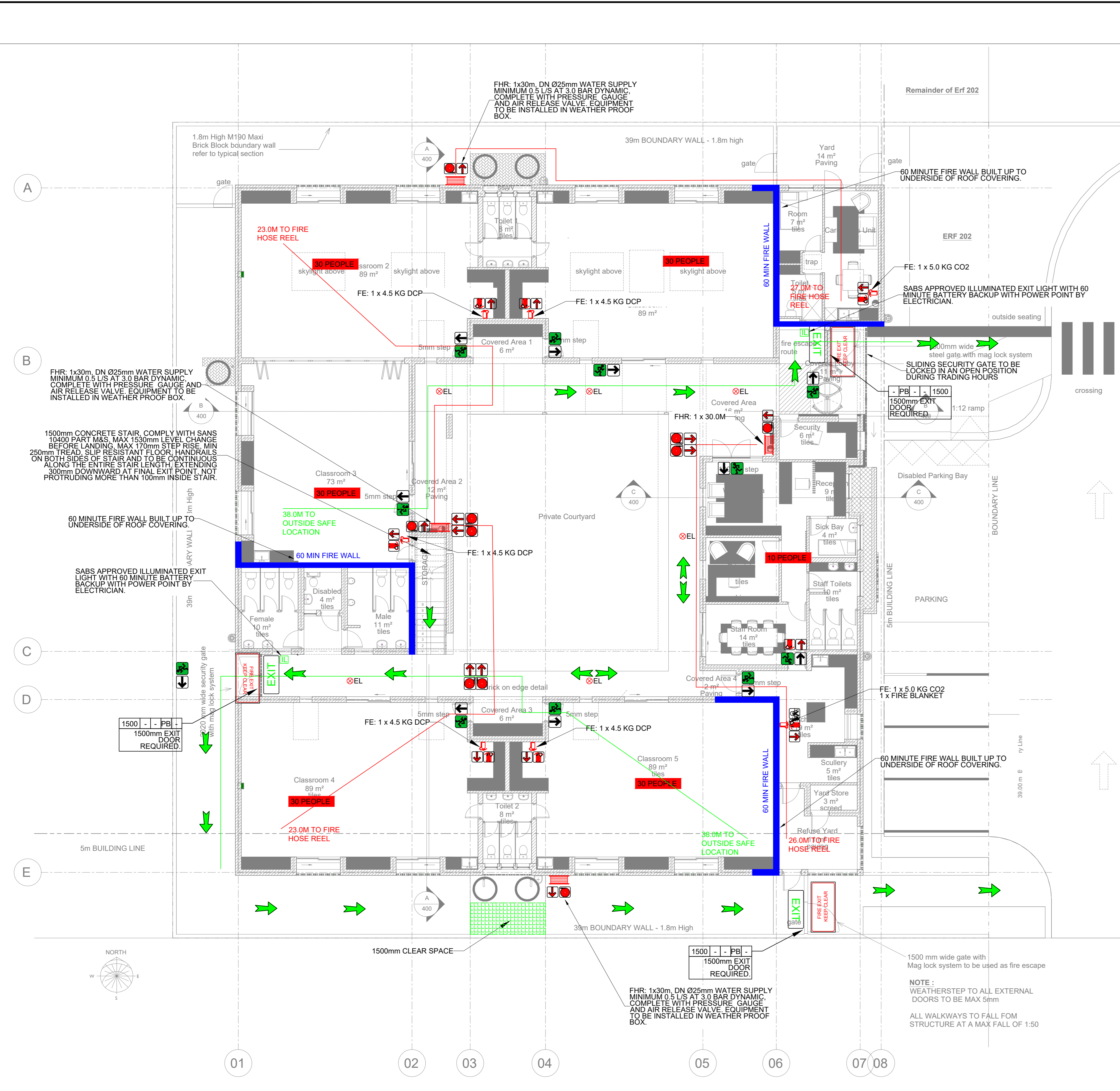
Architect signature:

Project:  
**Erf 202 - Langa Township ,  
Cape Town - Love 2 Langa -  
Montessori Primary School**

CLASSROOM BLOCK  
Drawing:  
ELECTRICAL LAYOUT

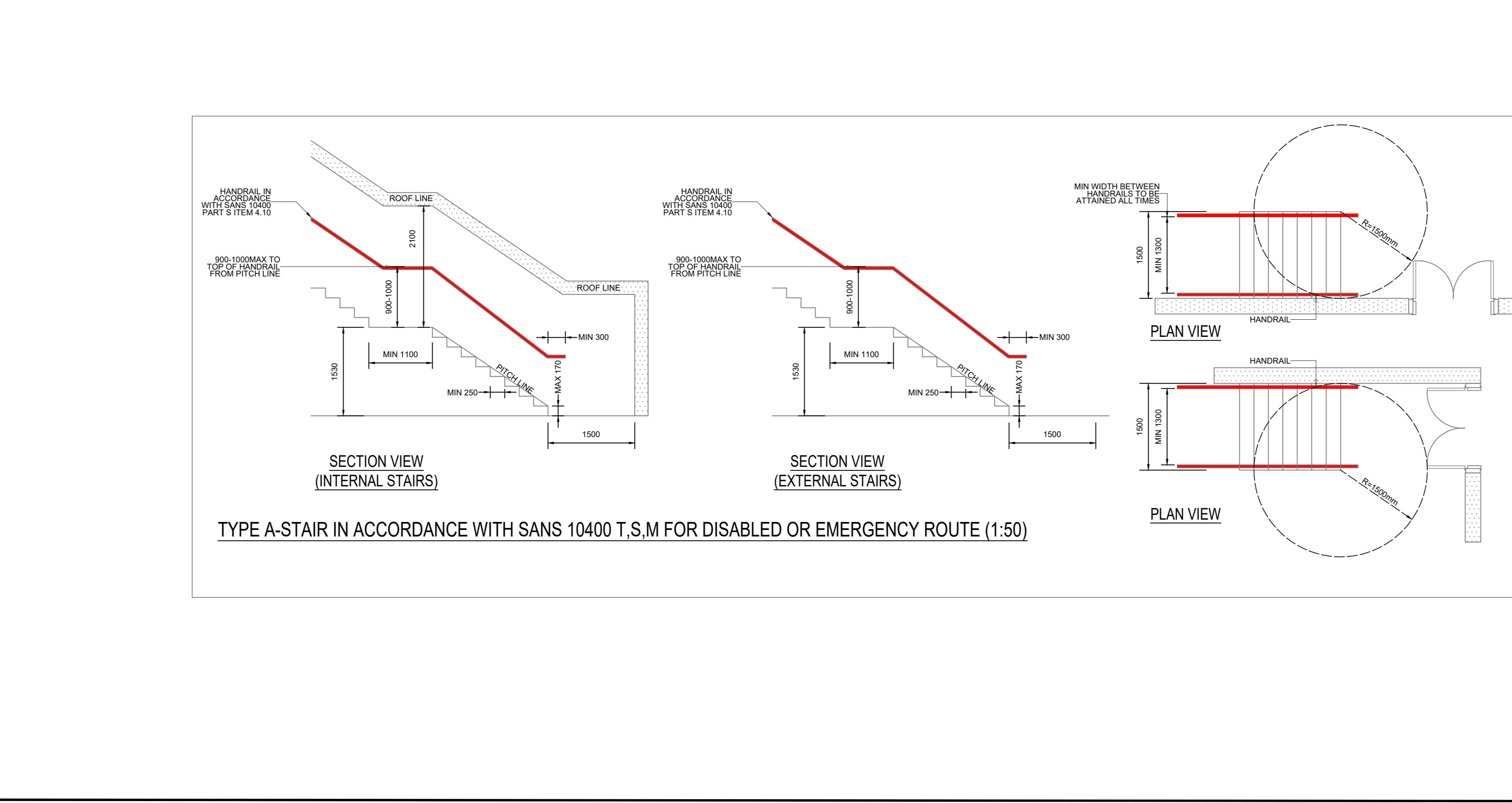
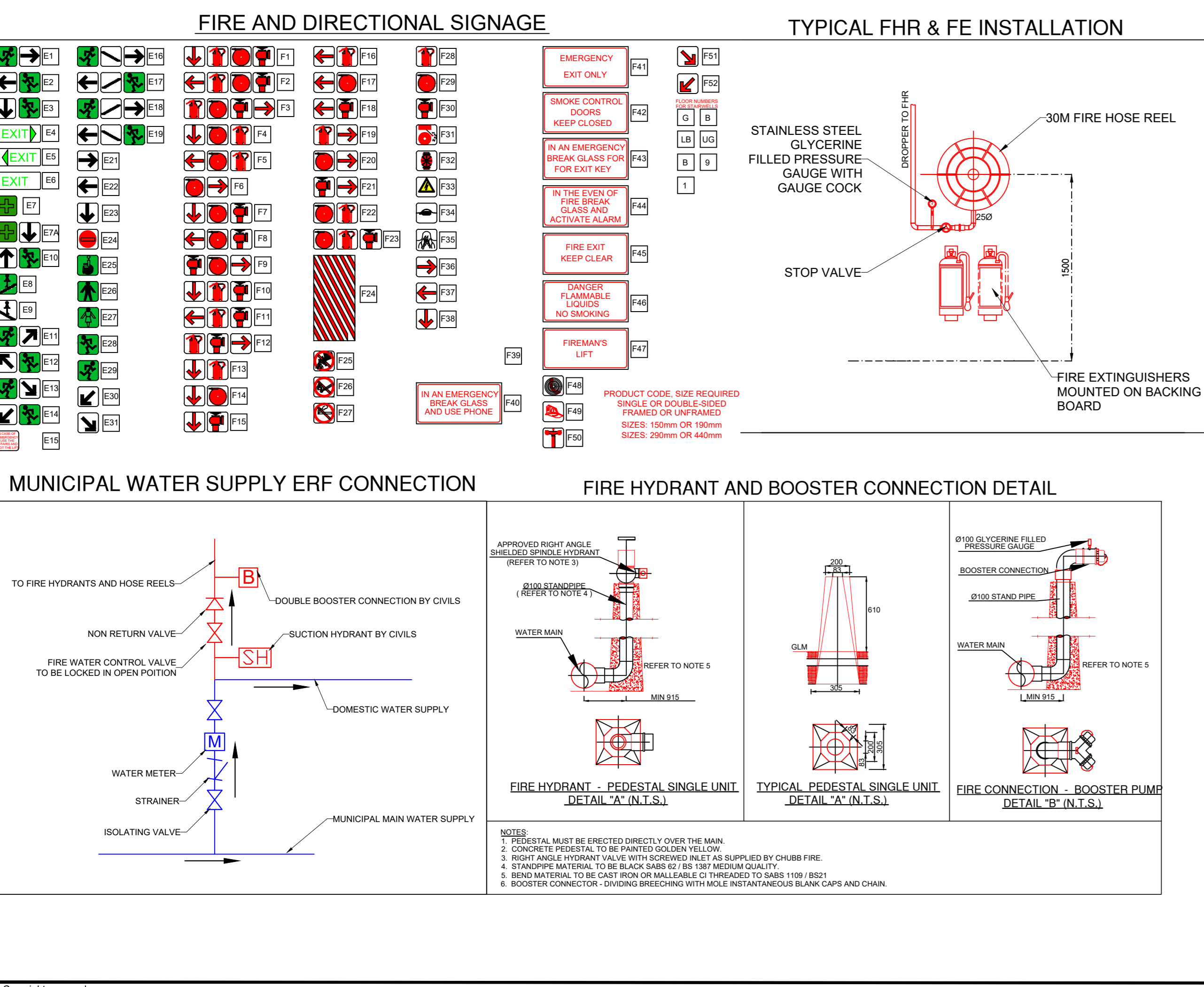
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SCALE	As indicated	CHECKED	IC.CS	A1
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GROUND FLOOR PLAN (1:100)

ROOF PLAN (1:100)



**SANS STAIRWAY REQUIREMENTS**  
 SANS REGULATION REGARDING STAIRS ACCORDING TO SANS 10400 PART M 8 & T:  
 A. EMERGENCY ROUTES AND/OR STAIRS TO BE USED BY DISABLED PEOPLE  
 WIDTH - MINIMUM WIDTH TO BE 1500mm. A HANDRAIL MAY NOT PROJECT MORE THAN 100mm INTO THE ESCAPE ROUTE IF A HANDRAIL PROJECTS MORE THAN 100mm INTO THE WIDTH OF THE ESCAPE, A CLEAR WIDTH OF 1300mm BETWEEN HANDRAILS WILL BE REQUIRED.  
 HANDRAIL - STAIRWAY TO BE FITTED WITH HANDRAILS ON BOTH SIDES OF STAIRS. HANDRAILS MUST BE CONTINUOUS AND MUST BE INSTALLED IN ACCORDANCE WITH SANS 10400 PART 8, ITEM 4.10.  
 WINDERS - THE STAIRWAY SHALL NOT INCLUDE ANY WINDERS.  
 HEADROOM - HEADROOM NOT TO BE LESS THAN 2100mm VERTICALLY UP FROM THE PITCH LINE.  
 RISE - THE RISE OF A STEP MAY NOT EXCEED 170mm AND MUST REMAIN CONSTANT.  
 WIDTH OF STEP - THE WIDTH OF A STEP MAY NOT BE LESS THAN 250mm AND MUST REMAIN CONSTANT.  
 MIN DISTANCE TO DOOR - THE DISTANCE FROM FIRST STEP TO THE DOOR TO BE AS INDICATED IN THE DETAIL. CLEAR 1000mm RADIUS TO BE MAINTAINED.  
 LANDING - THE LENGTH OF LANDING MAY NOT BE LESS THAN 1100mm. NO FLIGHT OF STAIRS SHALL HAVE A VERTICAL RISE GREATER THAN 3m BETWEEN LANDINGS.  
 B. ESCAPE ROUTES THAT DO NOT FORM PART OF EMERGENCY ROUTE AND DOES NOT GET USED BY DISABLED PEOPLE  
 WIDTH - MINIMUM WIDTH TO BE 1000mm BETWEEN HANDRAILS.  
 HANDRAIL - HANDRAIL TO BE INSTALLED AS PER SANS 10400 PART M.  
 HEADROOM - HEADROOM NOT TO BE LESS THAN 2100mm VERTICALLY UP FROM THE PITCH LINE.  
 RISE - THE RISE OF A STEP MAY NOT EXCEED 200mm. TOLERANCES TO BE IN ACCORDANCE WITH SANS 10400 PART M, ITEM 4.2.7.  
 WIDTH OF STEP - THE WIDTH OF A STEP MAY NOT BE LESS THAN 250mm TOLERANCES TO BE IN ACCORDANCE WITH SANS 10400 PART M, ITEM 4.2.7.  
 MIN DISTANCE TO DOOR - THE DISTANCE FROM CL OF THE DOOR TO THE FIRST STEP MAY NOT BE LESS THAN 1000mm.  
 LANDING - THE LENGTH OF LANDING MAY NOT BE LESS THAN 900mm. NO FLIGHT OF STAIRS SHALL HAVE A VERTICAL RISE GREATER THAN 3m BETWEEN LANDINGS.  
 C. GENERAL HANDRAIL NOTES  
 EXTENSION - HANDRAILS TO EXTEND HORIZONTALLY 300mm BEYOND TOP AND BOTTOM OF STAIRS.  
 END CAP - HANDRAIL ENDS TO BE CLOSED OFF.  
 MATERIAL - ONLY NON COMBUSTIBLE MATERIALS TO BE USED FOR CONSTRUCTION OF HANDRAIL.

**NOTES**

- FIRE PROTECTION TO SANS 10400 PART-T, DEEMED TO SATISFY SET OF RULES APPLICABLE, AS SET OUT IN T1.
- NEW SCHOOL, MAIN OCCUPANCY CLASSIFIED AS A3, PLACE OF INSTRUCTION, AREA = 735m<sup>2</sup>.
- 1 PERSON PER 5m<sup>2</sup>(A3) OR NUMBER OF FIXED SEATS, MAXIMUM POPULATION 160 PEOPLE.
- STRUCTURAL STABILITY, 30 MINUTES, AS PER SANS 10400, PART-T, TABLE 6.
- DEDICATED ESCAPE ROUTES ARE CREATED AS SHOWN, NO EMERGENCY ROUTES REQUIRED, AS THE MAX TRAVEL DISTANCE, IF LESS THAN 45m.
- ALL ESCAPE ROUTES TO COMPLY TO SANS 10400 PART MAS, WILL BE 1500mm WIDE, HANDRAILS ON BOTH SIDES OF A STAIRWAY TO PROVIDE CLEAR 1300mm BETWEEN HANDRAILS, MAX 170mm STEP RISE, MIN 250mm STEP LANDING EVERY 1500mm OF LEVEL CHANGE, RAMP 1:12 ON FINAL EXIT.
- ALL LEVEL CHANGES AT EXIT DOORS MAY NOT HAVE A STEP MORE THAN 5mm TO ENSURE NO TRIP HAZARD, ALL OTHER LEVEL CHANGES TO BE RAMPED 1:12.
- FIRE EXTINGUISHERS, FIRE HOSE REELS AND FIRE HYDRANTS TO SANS 10400 PART-T AND BE SERVICED BY A CERTIFIED INSTALLER BEFORE OCCUPATION OF THE BUILDING.
  - FIRE HOSE REELS SHALL BE 30m LONG, WITH PRESSURE GAUGES AND AIR RELEASE VALVES INSTALLED.
  - FIRE EXTINGUISHERS SHALL BE SUPPLIED 4.5kg/5kg DCP/CO2 AT A RATE OF 1 PER 200m<sup>2</sup> AND BE HUNG ONTO FIXED BACKING BOARDS, NO FIRE HYDRANTS TO BE INSTALLED.
- FIRE SIGNAGE TO SANS 1166, PHOTO LUMINESCENT TYPE, 190x190mm, INTERNALLY ILLUMINATED "EXIT" SIGNS WITH 60 MINUTE BATTERY BACKUP TO BE PROVIDED EMERGENCY LIGHTS REQUIRED IN MAIN ESCAPE PASSAGES ONLY.
- ALL AUTOMATED DOORS OR DOORS EQUIPPED WITH ACCESS CONTROL LOCKING MECHANISMS, MUST BE FAIL SAFE AND RELEASE ON RECEIPT OF THE FIRE SIGNAL OR MANUAL OVERRIDE BUTTON ON THE INSIDE OF THE DOOR.
- ALL DOUBLE FIRE RATED DOORS TO HAVE SELF-CLOSER AND SELECTOR MECHANISM INSTALLED, SINGLE FIRE DOORS TO ONLY HAVE SELF-CLOSER INSTALLED, DOORS AND FRAMES TO BE TAGGED WITH SABS CERTIFICATION.

**LEGEND**

- 30 MINUTE FIRE RATED WALL
- 60 MINUTE FIRE RATED WALL
- 90 MINUTE FIRE RATED WALL
- 120 MINUTE FIRE RATED WALL
- CIVIL WATER PIPING
- FIRE WATER PIPING
- (F)H/FIRE HOSE REEL (30m)
- (F)H/FIRE HYDRANT (Ø90mm)
- (F)E/FIRE EXTINGUISHER
- (F)D/FIRE DRENCHER
- (F)S/FIRE SPRINKLER
- (F)BCT/BN BOOSTER CONNECTION
- 30 MINUTE FIRE STOP IN CEILING VOID
- EMERGENCY LIGHT
- INTERNALLY ILLUMINATED EXIT SIGN(60MINUTES)
- ESCAPE DIRECTION
- FIRE DOOR CLASS SANS 1253:
  - A - 60 minutes
  - B, C, D - 120 minutes
  - E, F - 30 minutes
  - (L)R - 60/120 minutes
  - (S)Mokobath - 60 minutes
  - (R)oller shutter - 120 minutes
  - PB - PANIC BAR EN 1125
  - PP - PUSH PAD EN 1125
- SC - SELF CLOSING MECHANISM
- SM - SELECTOR MECHANISM
- MINIMUM DOOR WIDTH(mm)

B	12/03/20	FOR APPROVAL	NIS	DU
A	26/02/20	FOR INFORMATION	NIS	DU
NO	DATE	DESCRIPTION	DRW	CHK

**REVISION SCHEDULE**

CONSULTING ENGINEER	
ECSA 20160394	12/03/2020
DIRK UYS	PR No
	DATE

CLIENT

SIGNATURE

DATE

**FOR APPROVAL**

CONSULTANT

**FMW**  
 FIRE MECHANICAL WEY SERVICES  
 CONSULTING ENGINEERS  
 Shop 125, First Floor, Senekhe Shopping Centre, Cor of Amandel & Botolary Road, Kulsrifur, 7580.  
 www.fmw.co.za | dirk@fmw.co.za | 084 5636 434

CLIENT

**LOVE TO LANGA MONTESSORI SCHOOL**

PROJECT

ERF 202 - LANGA TOWNSHIP, CAPE TOWN - LOVE 2 LANGA - MONTESSORI PRIMARY SCHOOL

DRAWING DESCRIPTION

**FIRE PLAN & ROOF PLAN**

DATE	SCALE	ORIGINAL SIZE
25/02/2020	AS SHOWN	A0
DRAWING NUMBER	REV	
20007 - F - 001	B	