

TENDER NO. 224Q/2021/22		 CITY OF CAPE TOWN ISIXEKO SASEKAPA STAD KAAPSTAD	
SCM – 663	Approved by Branch Manager: 03/04/2020	Version: 5	

FRAMEWORK CONTRACT DOCUMENT (WINNER-TAKES-ALL TYPE)

FOR THE

TERM TENDER FOR ERECTION OF PREFABRICATED UNITS AND ASSOCIATED CIVILS WORKS: CITY WIDE

Framework Contract Period: Not exceeding 36 Months from
Commencement Date

VOLUME 4: BOOK OF DRAWINGS

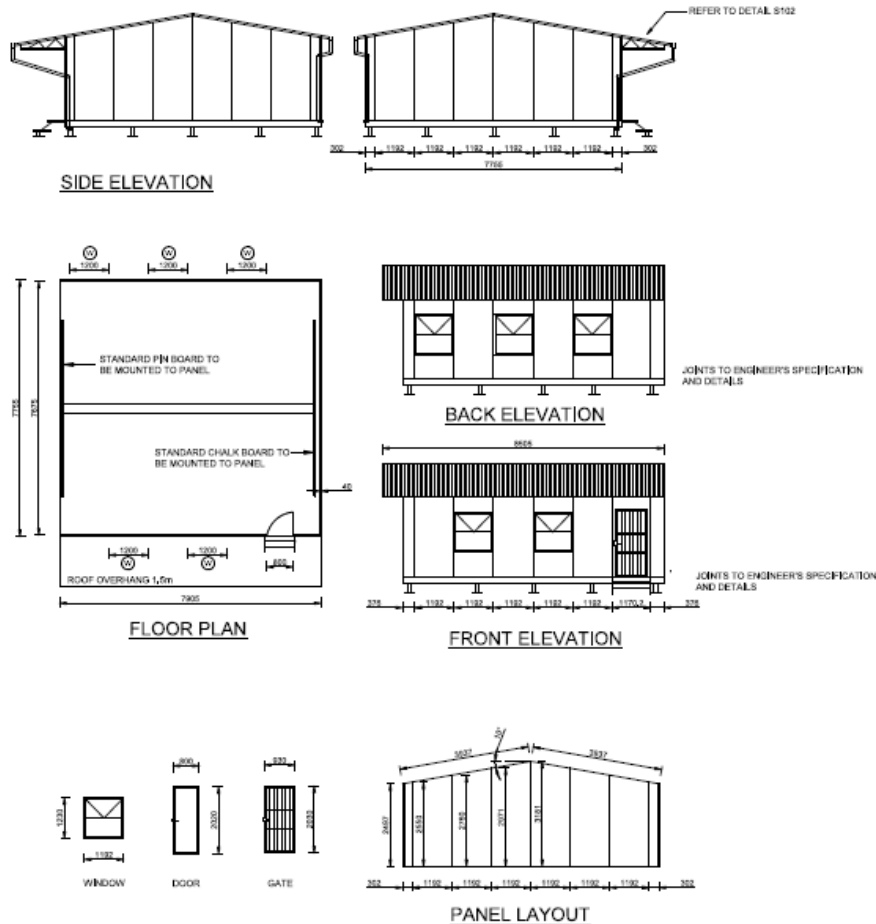
ISSUED BY:
MANAGER : PLANNING, DEVELOPMENT AND PROJECT MANAGEMENT Union Avenue Newlands CAPE TOWN 8001

COMPILED BY:
COMMUNITY SERVICES AND HEALTH: PLANNING, DEVELOPMENT AND PROJECT MANAGEMENT OFFICES Union Avenue Newlands CAPE TOWN 8001

For official use.
TENDER SERIAL No.:
SIGNATURES OF CITY OFFICIALS AT TENDER OPENING
1.
2.
3.

January 2022

NAME OF TENDERING ENTITY	
EMAIL ADDRESS OF TENDERING ENTITY	
FAX NUMBER OF TENDERING ENTITY	



NOTES

All materials used on site during construction to be SABS approved and used/installed to manufacturers specifications.

ROOF NOTES

10' IBR roof sheets screwed onto 60mm thick insulated panel manufactured according to SABS approved methods.

ROOF BEAM DETAILS

Girder Beam:

Manufactured out of 50 x 50 x 2mm square tubing and 25 x 25 x 1,6 lattice members with 150 x 50 x 150 x 2mm roof support welded together

Girder Beam Vertical Support Column:

The girder beam is secured to the inside of the walls and is further supported in the middle by means of an upright 100 x 100 x 3mm vertical support beam.

ROOF PANELS

The roof panels are 60mm thick frame retardant EPS sandwiched between 0,5mm SABS approved coated steel. The roof is further reinforced with 0,5mm IBR is held into place by means of self-drilling sheeting screw that seals by means of a NUSEAL vinyl washer and protected from the elements by means of a SAFETOP cap. All seams are sealed with SABS approved methods.

PLATFORM

Prepare platform for prefabricated unit as per quantities specification. Chassis Chassis are hot dipped galvanized. Chassis are supported on adjustable levelling jacks resting on pacast pads. The perimeter of the chassis is made up from a 2mm Hot Dipped galvanized profile whereas the intermediate member of the chassis assembly comprises of a lip channel.

FLOORS

2,5mm sealed vinyl tiles floor finish laid on marine ply boarding on GMS floor joints (unit Under-carriage) by prefabricated unit manufacture. Tiles to be sealed as per manufacturers instructions. Use 19 x 75mm wrought maranti skirting laid flat to classrooms.

RAINWATER GOODS

Gutters: 100mm half round uPVC gutters provided to both eaves overhangs. Including fixing brackets, stopped ends and outlets.

Use Marley or equally approved. Down pipes: One 75mm uPVC down pipe to both eaves overhangs. Including three fixing brackets per down pipe, eaves offsets and shoes. Down pipes to 1500mm eaves overhang to be fixed to and including one non-structural 75 x 75 x 2,2mm thick galvanised mild steel column. Top of column fixed to rafter and bottom of column cast 450mm deep into and including a 400 x 400 x 500mm 20MPa/19mm stone unreinforced concrete pad. Place 1 meter length domestic type precast concrete rainwater channeling at downpipes to discharge beyond platform edge. Alternatively provide Channeling as per civil engineers layout.

ELECTRICAL INSTALLATION

All electrical connections are made according to spec as per legislation. All light fittings as per electrical engineers specification and layout.

WALLS

Walls (internal and external): Bolted to the frame SABS approved materials only and installed to manufacturers specifications prefabricated fire retardant EPS (expanded polystyrene) 40mm panels sandwiched between 0,5mm SABS coated steel sheets. SABS approved Chromadeck color coated sheets to be used to the Roofing and Cladding of the proposed dwelling to the manufactures specification.

FOR TENDER

P	PREFAB TERM TENDER
T	PREFAB TERM TENDER
C	PREFAB TERM TENDER

TO	DATE	FOR TENDER	SL
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TO	DATE	FOR TENDER	SL
NO	DATE	FOR TENDER	SL

1813-T-001



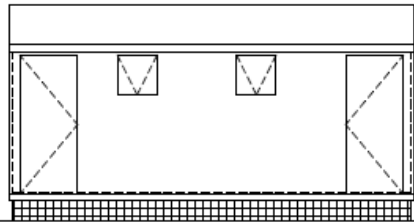
PREFAB TERM TENDER

CLASSROOM

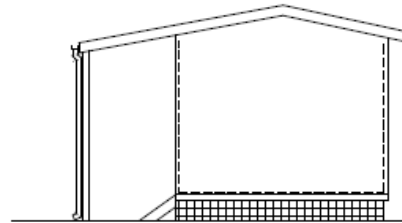
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DESIGNED BY	MR
ENGINEERED BY	MR
CHECKED BY	MR
APPROVED BY	MR

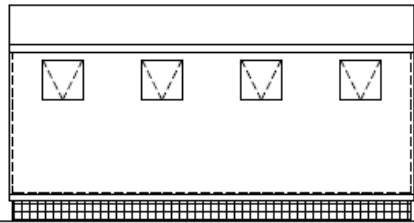
SCALE	DATE	REVISION
NTS	DATE	A2
1813-T-001	DATE	T0



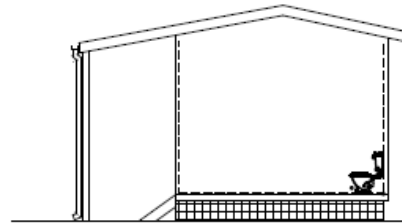
FRONT ELEVATION ABLUTION UNIT
SCALE 1:100



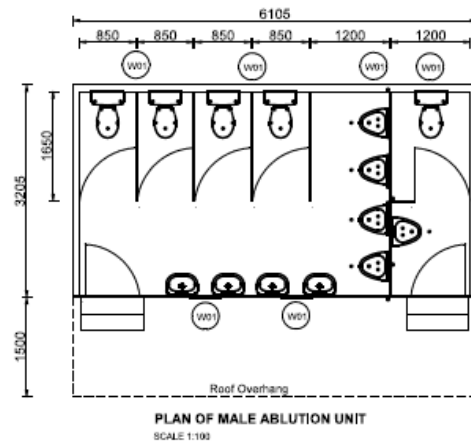
SIDE ELEVATION ABLUTION UNIT
SCALE 1:100



BACK ELEVATION OF ABLUTION UNIT
SCALE 1:100



SECTION OF ABLUTION UNIT
SCALE 1:100



NOTES

PLATFORM

Prepare platform for prefabricated unit as per Bill of Quantities specification.

WALLS

All walls constructed with client approved prefabricated panels with the appropriate guarantees.

FLOORS

2.5mm Sealed Vinyl tiles floor finish laid on marine ply boarding on GMS floor joists (Unit Under-carriage) by prefabricated unit manufacturer. Tiles to be sealed as per manufacturers instructions. Use 19 x 76mm wrought maranti skirting, laid flat, to classrooms.

ROOFS

Roof design, manufacture & supply to be done by specialist prefabricated unit manufacturer all to Client's approval. Pre-painted barge trims to be provided along gable ends. Cantilevered roof preferred but post option will be accepted.

DOORS

Fit weather excluding doors externally. Toilet divisions & doors to be 22mm V313 melamine boards with aluminium channel edgings all around.

IRONMONGERY

Use 3 - lever locksets to external doors. Use 2 x rising butt hinges to toilet doors with chromium plated barrel bolts.

WINDOWS

All windows to be epoxy coated galvanised mild steel. 4mm Pacific Pattern frosted glass to toilets. Burglar guarding to be supplied with all windows.

RAINWATER GOODS

Gutters: 100mm Half round uPVC gutters provided to both eaves overhangs. Including fixing brackets, stopped ends and outlets. Use Marley or equally approved. Down pipes: One 75mm uPVC down pipe to both eaves overhangs, including three fixing brackets per down pipe, eaves offsets and shoes. Down pipes to 1500mm eaves overhang to be fixed to and including one non-structural 75 x 75 x 2.5mm thick galvanised mild steel column. Top of column fixed to rafter and bottom of column cast 450mm deep into and including a 400 x 400 x 500mm 20mPa / 19mm - stone unreinforced concrete pad. Place 1 meter length domestic type precast concrete rainwater channelling at downpipes to discharge beyond platform edge. Alternatively, provide channelling as per civil engineers layout.

DRAINAGE AND SANITARYWARE

Allow for 110mm vent valve & rodding eye at start of sewer run. All gulleys to be built minimum 150mm above surrounding finished ground level. Use vitreous china WC with heavy duty plastic double flap toilet seat. Colour - white. Use heavy duty plastic cistern with bolt down lid. Colour - white. Use Single SS basin by Franke. Each bowl fitted with a slot pillar tap (cold water only). Provide one mirror above each wash hand basin - Size 450 high x 300mm wide

ONLY COLD WATER SUPPLY REQUIRED.

Water supply to be tapped off current supply to new ablation unit. Sewer and waste drainage to connect to existing drainage system on site.

STAIRS

Steel staircase constructed of 6mm gms checkered plate steps.

ELECTRICAL INSTALLATION

All light fittings as per electrical engineers specifications & layout. Electricity supply to be tapped off current supply to existing buildings on site

GENERAL

All work to conform to SABS standards and conform to National Building Regulations and Local Authority by-laws. All dimensions & levels to be verified on site prior to construction.

P PRELIMINARY STAGE
T TENDER STAGE
C CONSTRUCTION STAGE

TO	DATE	FOR TENDER	CL
NEW	DATE	DESIGN/POWER/STANDARD	BY
REV	DATE		



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

PROJECT/STAGE

PREFAB TERM TENDER

PROJECT

ABLUTION (MALE)

PROJECT/STAGE/REVISION

DESIGN/STAGE/REVISION

DESIGN/STAGE/REVISION

DESIGN/STAGE/REVISION

DESIGN/STAGE/REVISION

DESIGN/STAGE/REVISION

DESIGN/STAGE/REVISION

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DESIGN/STAGE/REVISION

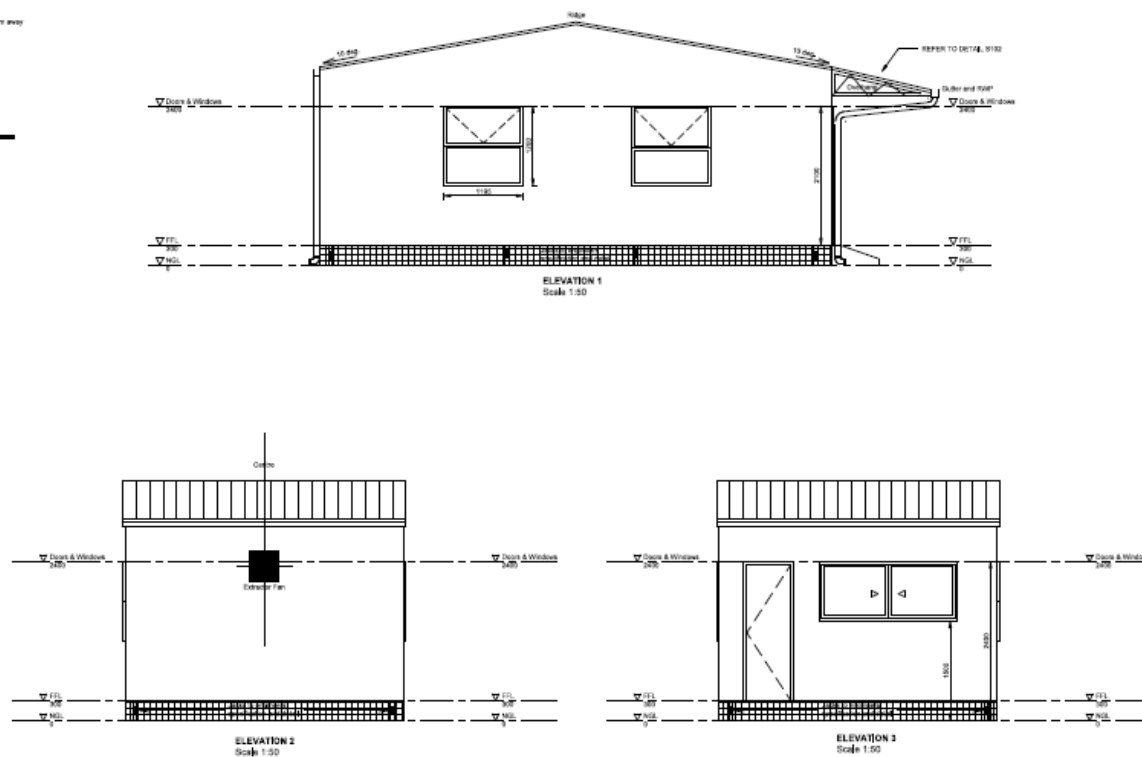
DESIGN/STAGE/REVISION

DESIGN/STAGE/REVISION

DESIGN/STAGE/REVISION

FOR TENDER

Architectural floor plan of the "Feeding Kitchen" (31m²) for the "New Embassy" in St. Petersburg. The plan shows a large central area with a grid pattern, a sink area with a double sink and stove, and a refrigerator area. Dimensions are provided for various sections and overall measurements. A note indicates the sink is to be 2400mm high and the refrigerator is to be 2400mm high. A note also indicates the sink is to be 2400mm high and the refrigerator is to be 2400mm high. A note also indicates the sink is to be 2400mm high and the refrigerator is to be 2400mm high.



1. ALL ~~THE~~ WORK TO COMPLY WITH BASE CODE.
2. ALL BUILDING WORK TO COMPLY WITH LOCAL MUNICIPAL BYLAWS.
3. ALL ~~THE~~ DRAWINGS TO BE CHECKED BEFORE ANY WORK IS PUT FORTH.
4. WORKMAN ~~THE~~ CONTRACTOR AND HIS SUB-CONTRACTOR MUST CHECK ALL RELEVANT DETAILS, LEVELS AND DIMENSIONS BEFORE COMMENCEMENT OF ANY WORK (E.G. GRADUATION OF ANY CONCRETE SURFACE).
5. ANY DISCREPANCIES MUST BE REPORTED TO ARCHITECT/ENGINEER IMMEDIATELY.
6. THE USE OF TRADE NAME ON THE DRAWINGS SHALL BE DONE TO INDICATE A STANDARD ACCORDING TO THE RELEVANT STANDARD.
7. ANY OTHER BRAND MAY BE USED WITH PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

1. 15mm WHITE MID-LAMINE BED WITH 75 SKIRTING AND 30% VIB AT 200mm (10H JAPAN)
2. 32mm WHITE FORMICA 500mm WIDE COUNTER TOP WITH BULLNOSE BEDED TO 55 LEVEL SUPPORT.
3. FRANKIE TYPE EQUALLY OR SIMILAR APPROVED STAINLESS STEEL TYPE DOUBLE SINK WITH STAINLESS STEEL RUNNER AND TRAP.
4. EXTRACTOR FAN TO ENGINEERS SPEC AND DETAIL.
5. FREESTANDING DOUBLE GAS BURNER WITH BRASS VALVES, TWO PLATE TYPE FLOOR STANDING.
6. CHIEF'S FREEZER UNIT FREESTANDING TO CUISINER SUPPLY.

P PRELIMINARY STAGE
T TENDER STAGE
C CONSTRUCTION STAGE

TO	DATE	FOR TENDER
BY	DATE	DESCRIPTION
BY	DATE	DESCRIPTION



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
ŠTAD KAAPŠTAD

PROJECTS

PREFAB TERM TENDER

TRICOTEL

FEEDING KITCHEN

PRINCIPAL AGENTS-ROOF AGENT

ORIGIN/DATE/REF	1/1	
ORIGIN/CTE/EN	NUL	
CHECKED/DATE/EN	C/1	
DIRECTOR/TEXT/EN	C/2	
SALES/NOAL	INTERDITUM	OFFICE
NTS		A2

CONFIDENTIAL

1813-T-00

	RELEVANT
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FOR TENDER



FOR TENDER

P	PROTEIN REVISION BLOCK DENOTES PRELIMINARY STAGE
T	PROTEIN REVISION BLOCK DENOTES TENDER STAGE
C	PROTEIN REVISION BLOCK DENOTES CONSTRUCTION STAGE

[illegible]

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

PROJECT APPROVAL

PREFAB TERM TENDER

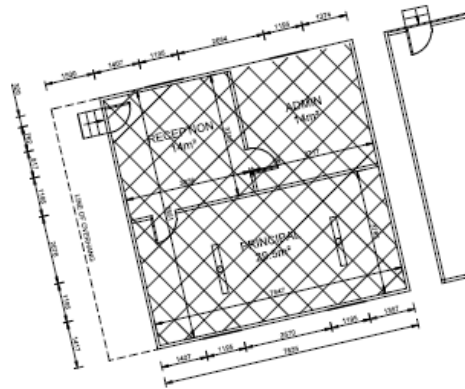
TELETYPE.

STAFF ADMIN

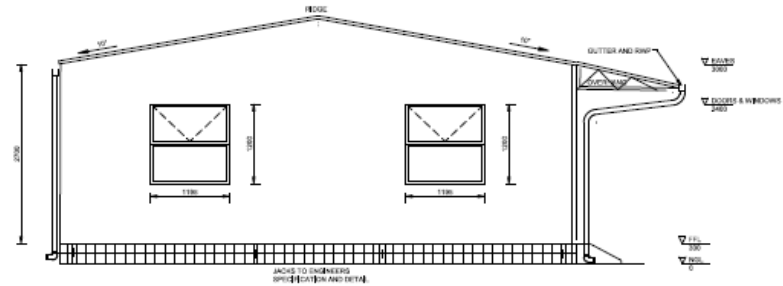
PRINCIPAL AGENT/NO OF AGENT

DESIGNATION/REF	L4
DRAWING/SET/EN	M24
DESCRIPTION/REVISION	CJ.
PROJECT/ENGINEER	CJ/CJ

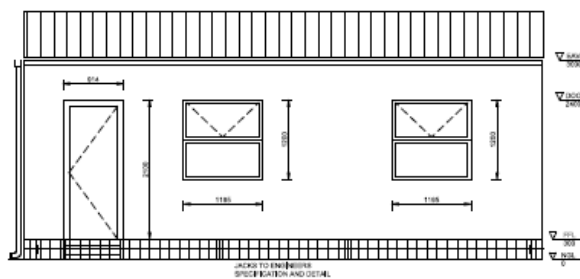
SCALE/DRAWN NTS	DATE/CHECKED	APPROVED A2
DRAWING NO./ITERATION NO. 1813-T-006		REVISED TO



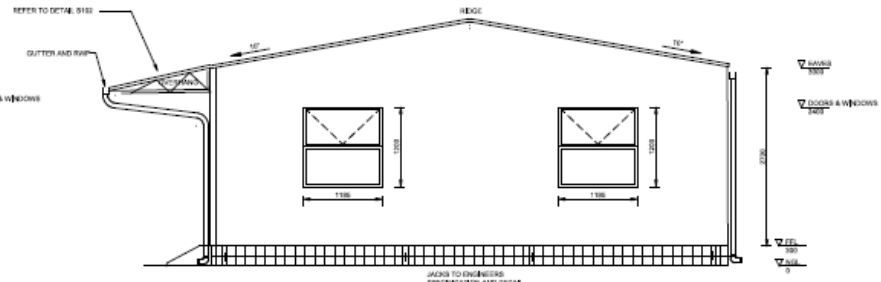
GROUND FLOOR ADMIN
SCALE 1:100



ELEVATION 1
SCALE 1:50



ELEVATION 2
SCALE 1:50



ELEVATION 3
SCALE 1:50

P PRELIMINARY STAGE
T TENDER STAGE
C CONSTRUCTION STAGE

NO.	DATE	FOR TENDER	CL.
1	18/11/2021	18/11/2021	18/11/2021
2	18/11/2021	18/11/2021	18/11/2021
3	18/11/2021	18/11/2021	18/11/2021
4	18/11/2021	18/11/2021	18/11/2021
5	18/11/2021	18/11/2021	18/11/2021
6	18/11/2021	18/11/2021	18/11/2021
7	18/11/2021	18/11/2021	18/11/2021
8	18/11/2021	18/11/2021	18/11/2021
9	18/11/2021	18/11/2021	18/11/2021
10	18/11/2021	18/11/2021	18/11/2021



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

PROJECT/TAKE
PREFAB TERM TENDER

RELEVANT
GROUND FLOOR
ADMIN

PROJECT/TAKE

DESIGNED BY	IN
CHECKED BY	SL
APPROVED BY	SL
DATE	18/11/2021

NTS	DATE	DESIGN
18/11/2021	18/11/2021	A2

1813 - T - 007

FOR TENDER

UNIT DESCRIPTION/STANDARD

UNITS TO HAVE A NOMINAL FLOOR SPACE OF 24 M² EACH, EXCLUDING THE 2,5M X1M TOILET/WASH TROUGH CUBICLE AT THE REAR OF THE STRUCTURE,

UNITS TO CONSIST OF GALVANISED COLD-ROLLED STEEL FRAME OF 0,5MM THICKNESS, CLAD WITH COLOURED SHEETING OR SIMILAR MATERIAL OF 0,5MM THICKNESS, CLADDING SHOULD HAVE A PROFILE OF AT LEAST 10MM AS OPPOSED TO FLAT SHEETING, (AS PER THE EXISTING ON SITE)

ALL INSIDE WALLS AND CEILINGS OF UNITS ARE TO BE CLAD WITH INSULATION CONSISTING OF SEALED PLASTIC BUBBLES LAMINATED TO AN ALUMINIUM FOIL. INSULATION TO COMPLY WITH SANS 428 FIRE REGULATION.

STEEL FRAME MUST BE DESIGNED USING AN APPROVED COLD-ROLLED STEEL FRAME SOFTWARE PACKAGE, DETAILS OF SOFTWARE PACKAGE AND DETAILED DESIGN MUST BE SUBMITTED,

SIDEWALLS MUST HAVE A MINIMUM HEIGHT OF 2,2 M. ROOFS MUST BE SINGLE SPAN GALVANISED CORRUGATED ROOF SHEETS OF 0,5 MM THICKNESS SUITABLY FASTENED ON A COLD-ROLLED STEEL FRAME, OVERLAPS MUST COMPLY WITH THE NORMAL GALVANISED STEEL ROOFING STANDARDS, (AS PER THE EXISTING ON SITE)

ROOF TO BE PAINTED WITH A CERAMIC RADIANT HEAT BARRIER COATING TESTED TO DECREASE HEAT GAIN BY UP TO 45% TO THE ROOF OF THE STRUCTURE. COATING MUST BE APPLIED STRICTLY AS PER SUPPLIERS PRESCRIPTIONS

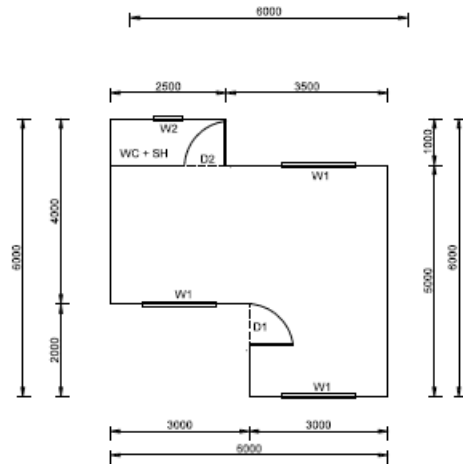
THE PITCHED ROOF MUST HAVE A MINIMUM SLOPE OF 6 % WITH MINIMUM OVERHANGS OF 150 MM AT THE BACK AND THE FRONT AND 50 MM AT THE SIDES,

EACH UNIT MUST HAVE 1 NORMAL SIZED EXTERNAL DOOR OF EITHER FABRICATED STEEL OR SOLID WOOD AND 1 NORMAL SIZED INTERNAL DOOR, WOODEN DOORS MUST BE PRE-TREATED WITH 2 COATS OF AN APPROVED EXTERIOR VARNISH. DOOR MUST BE LOCKABLE AND MUST HAVE EITHER A 3-LEVER LOCKSET (AS PER THE EXISTING ON SITE).

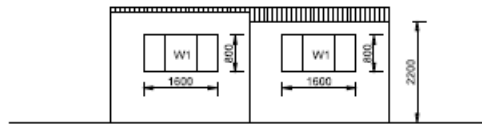
EACH UNIT MUST HAVE 3 X WINDOWS OF MINIMUM 1800 MM X 800 MM AND 1 X WINDOW OF 600MM X 800MM OF ALUMINIUM, ALL WINDOW FRAMES MUST BE GLAZED WITH 4 MM GLASS, 60% OR MORE OF THE WINDOW SHOULD BE ABLE TO OPEN, (AS PER THE EXISTING ON SITE)

FLOORS MUST BE 15 MPA CONCRETE ON 250-MICRON PLASTIC UNDERLAY ON WELL-COMPACTED SOIL. MINIMUM CONCRETE THICKNESS MUST BE 60 MM. (AS PER THE EXISTING ON SITE)

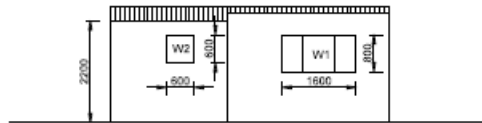
THE WORKS PROGRAMME FOR THE REPAIRS IS TO BE AGREED UPON BETWEEN THE CITY AND THE SERVICE PROVIDER



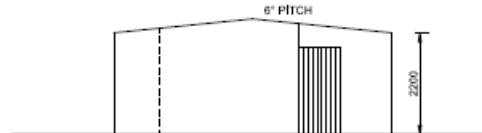
TYPICAL FLOOR LAYOUT
SCALE 1 : 100



FRONT ELEVATION
SCALE 1 : 100



BACK ELEVATION
SCALE 1 : 100



SIDE 1 ELEVATION
SCALE 1 : 100

P	PRELIMINARY STAGE
T	TENDER STAGE
C	CONSTRUCTION STAGE

REV	DATE	DESCRIPTION	BY	CHK
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PREFAB TERM TENDER

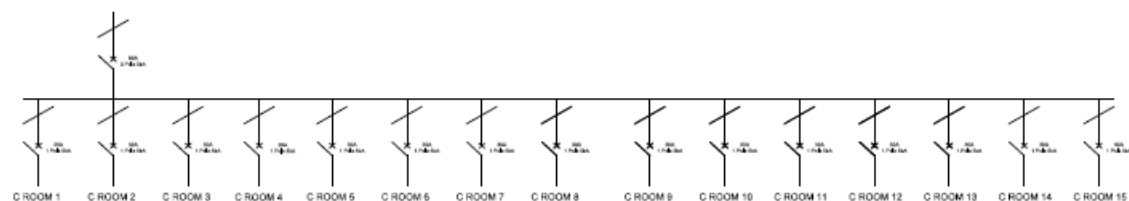
1 UNIT, GALVANISED COLD ROLLED STEEL FRAME STRUCTURE

PRINCIPAL ASSIGNED AGENT

DESIGNED BY	W
CHECKED BY	W
APPROVED BY	W
DATE	2021/11/11
SCALE	AS SHOWN

1013 • 1 • 008

FOR TENDER



ALL DIMENSIONS AND WEIGHTS ARE TO BE ROUNDED UP.
ONLY WEIGHTS IN POUNDS ARE TO BE USED. DIMENSIONS ARE NOT TO
BE SCALED FROM THE DRAWING.

 SINGLE PHASE WITH GROUND
 THREE PHASES WITH GROUND
 SINGLE PHASE WITH A SWITCH
 3 PHASE SYSTEM

P PRELIMINARY STAGE
T TENDER STAGE
C CONSTRUCTION STAGE

[illegible]

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

PROJECT/PROCESS

PREFAB TERM TENDER

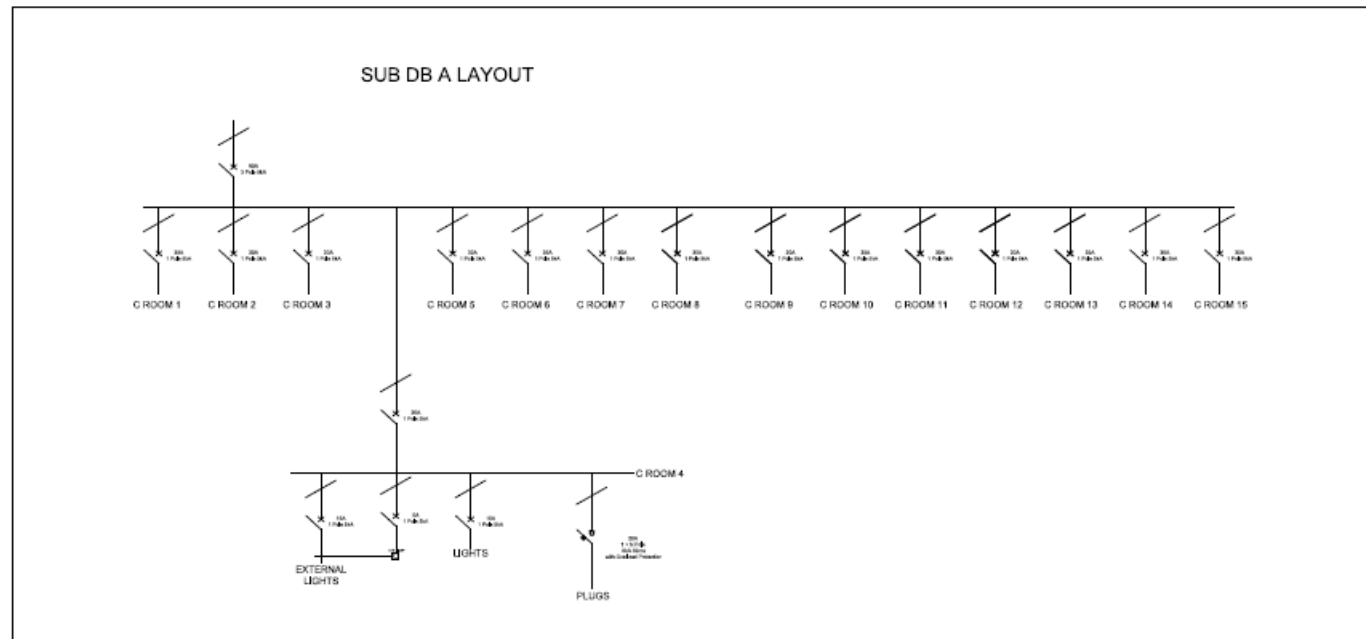
TRUSTING

TYPICAL LAYOUT KIOSK

PRINCIPAL AGENT-NO AGENT

SEKRETÄRSSTELLE	U.
DRUCKVERSTÄRKUNG	W.
DRUCKVERSTÄRKUNG	U.
DRUCKVERSTÄRKUNG	W.
SCHLÜSSEL	DATEI
NTS	A3
DRUCKVERSTÄRKUNG	TO
1813 - T - 009	

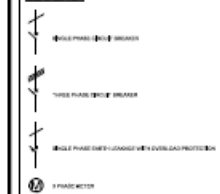
FOR TENDER



NOTES:

ALL DIMENSIONS AND CUTS ARE TO BE VERIFIED TO SIZE.
ONLY WETTED CHANNELS ARE TO BE USED. DIMENSIONS ARE NOT TO
BE SCALED FROM THE DRAWING.

LEGEND:



P	PROTEIN-N- XXXX BLOCK DENOTES PRELIMINARY STAGE
T	PROTEIN-N- XXXX BLOCK DENOTES TENDER STAGE
C	PROTEIN-N- XXXX BLOCK DENOTES CONSTRUCTION STAGE

[illegible]

PRODUCT: PFD008.

PREFAB TERM TENDER

TELEPHONE

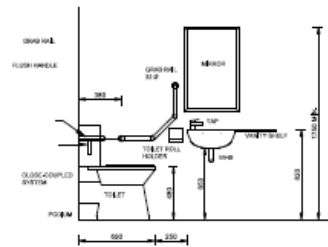
TYPICAL LAYOUT
TYPE A DB

Principal Agent	Sub Agent
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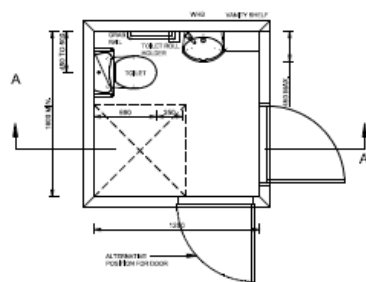
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NTS		A3
DRAWING/STALING N.		REVIEWS
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FOR TENDER

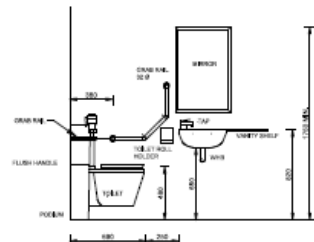


ELEVATION A-A

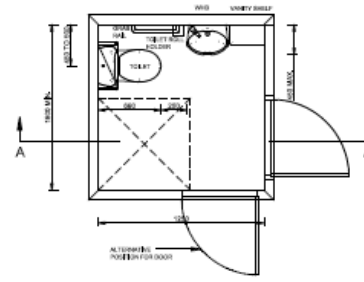


PLAN VIEW

Plan and elevation of a typical facility with a close-coupled toilet system

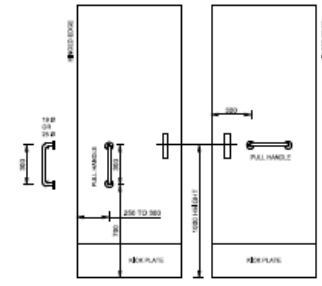


ELEVATION A-A

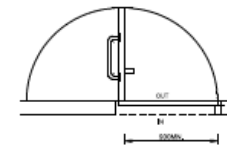


PLAN VIEW

Plan and elevation of a typical wall-hung toilet system with Flushmaster



INSIDE
OUTSIDE
ELEVATION



PLAN VIEW

Plan and elevation of door layout

P PRELIMINARY STAGE
T TENDER STAGE
C CONSTRUCTION STAGE

TO	DATE	FOR TENDER	SL
REV	DATE	DESCRIPTION	BY
1	2021/01/15	ISSUED FOR TENDER	SL



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

PROJECT/WORK
PREFAB TERM TENDER

TOILET LAYOUTS

PRINCIPAL ARCHITECT/ENGINEER

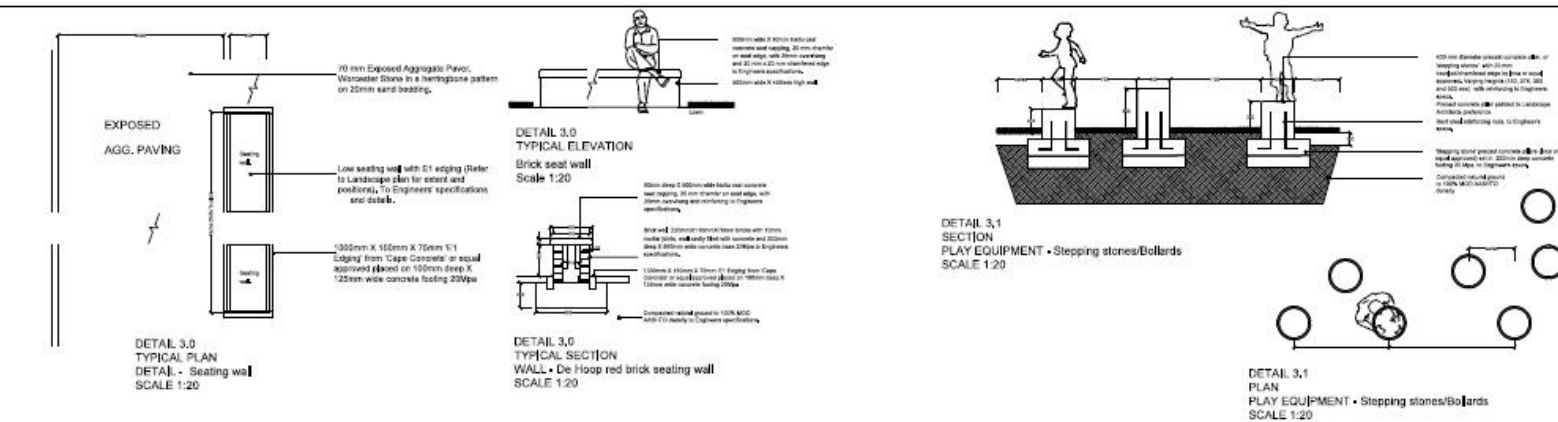
DESIGNED/DRAWN	LS
CHECKED/REVIEWED	SL
APPROVED	SL

SCALE: 1:100

DATE: 2021/01/15

1813-T-014

FOR TENDER



NOTES:

ALL BUILDING WORK TO COMPLY WITH SANS 004:2012 AND SANS 10400-1:2012. THE CONTRACTOR MUST CHECK ALL RELEVANT BUILDING REGULATIONS AND COMPLIANCE BEFORE COMMENCEMENT OF ANY WORK. IF IT IS DETERMINED THAT ANY COMPLIANCE IS REQUIRED, THE CONTRACTOR MUST REPORT TO THE ARCHITECT/ENGINEER/ARCHITECTURAL SERVICES PROVIDER TO INDICATE A STANDARD APPROPRIATE TO THE PROJECT. ANY OTHER STANDARDS MAY BE USED WITH PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

P
T
C

PRELIMINARY STAGE
TENDER STAGE
CONSTRUCTION STAGE

TO: JACOBA FOR TENDER
DATE: 18/11/2021
BY: JACOBA

FOR TENDER
DATE: 18/11/2021
BY: JACOBA



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

PROJECT/PROJ:

PREFAB TERM TENDER

REMARKS:

PLAY EQUIPMENT DETAILS

PROJECT/PROJ:

DATE/DATE: 18/11/2021

DATE/DATE: 18/11/2021

DATE/DATE: 18/11/2021

DATE/DATE: 18/11/2021

DATE/DATE: 18/11/2021

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DATE/DATE: 18/11/2021

DATE/DATE: 18/11/2021



DETAIL 3.3
PLAY EQUIPMENT
JUNGLE JIM
SCALE 1:20

FOR TENDER

A rustic wooden structure, possibly a shelter or a large birdhouse, built from logs and branches in a wooded area. The structure is made of several thick logs and branches, forming a triangular or A-frame shape. It is situated in a grassy clearing with trees in the background.



P	PREPARE REVISION BLOCK DOWNTIME
	PRELIMINARY STAGE
T	PREPARE REVISION BLOCK DOWNTIME
	TENDER STAGE
C	PREPARE REVISION BLOCK DOWNTIME
	CONSTRUCTION STAGE

[illegible]

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

PHYSICIAN OFFICE

PREFAB TERM TENDER

1101

PLAY EQUIPMENT DETAILS

PRINCIPAL AGENT/CO-AGENT:

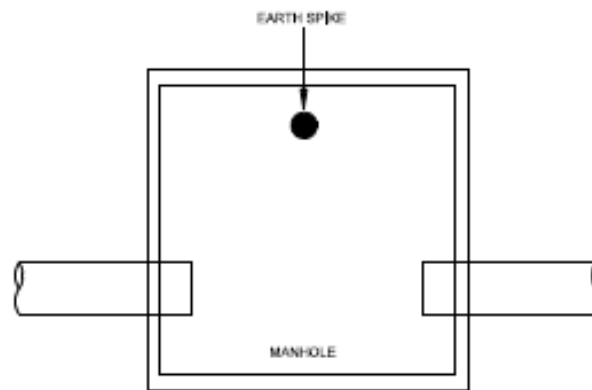
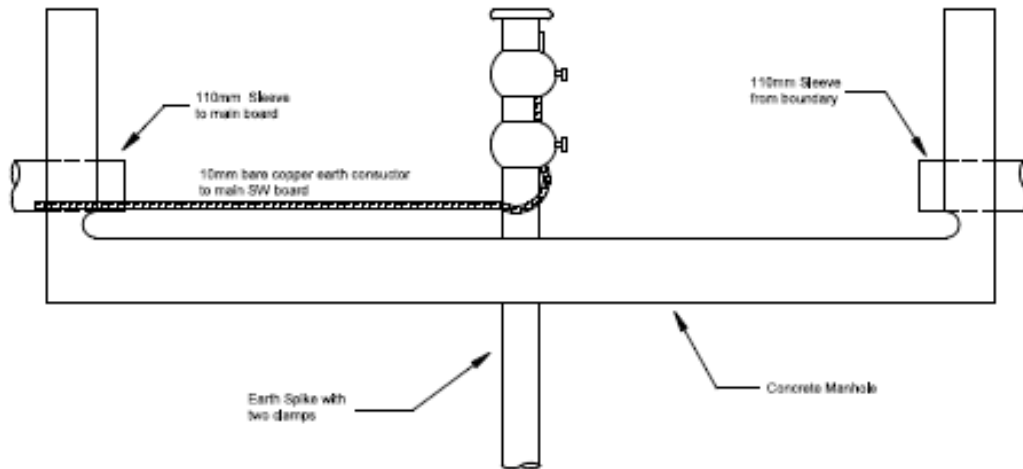
CHICKEN	10
BEEF	10
PORK	10
FISH	10
EGGS	10
Dairy	10
Grains	10
Vegetables	10
Fruits	10
Nuts	10
Seeds	10
Herbs	10
Spices	10
Oils	10
Sauces	10
Breads	10
Pastries	10
Desserts	10
Beverages	10
Alcohol	10
Tobacco	10
Drugs	10
Miscellaneous	10
Total	100

ISSUANCE NO. / TERMINO N.	REVISTA
1813 - T - 016	T0

FOR TENDER

DRAWING NO. / TECHNICAL NO.
1813 - T

	REVENUE TO
--	----------------------

PLAN VIEW**EARTH SPIKE IN TELKOM MANOLE**

STANDARD PLAN PRIMARY SCHOOL OR
SECONDARY SCHOOL -TELKOM EARTHING

Scale N.T.S.

Drawn CAD

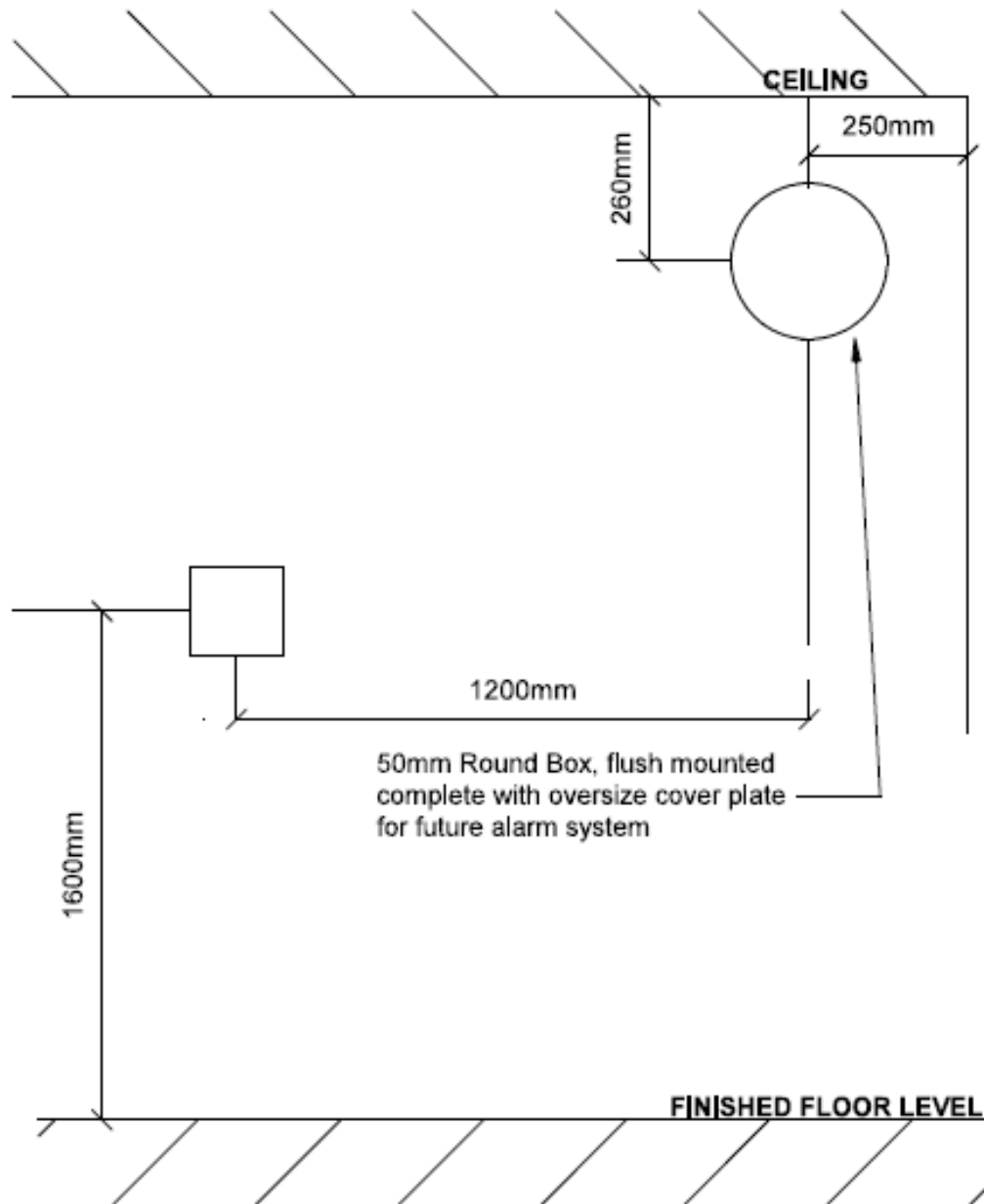
Approved

Date

Detail Number S 100

Appendix No

Detail of INTERCOM ALARM



STANDARD PLAN PRIMARY SCHOOL OR SECONDARY
SCHOOL -INTERCOM AND ALARM DETAIL

Scale N.T.S.

Drawn CAD

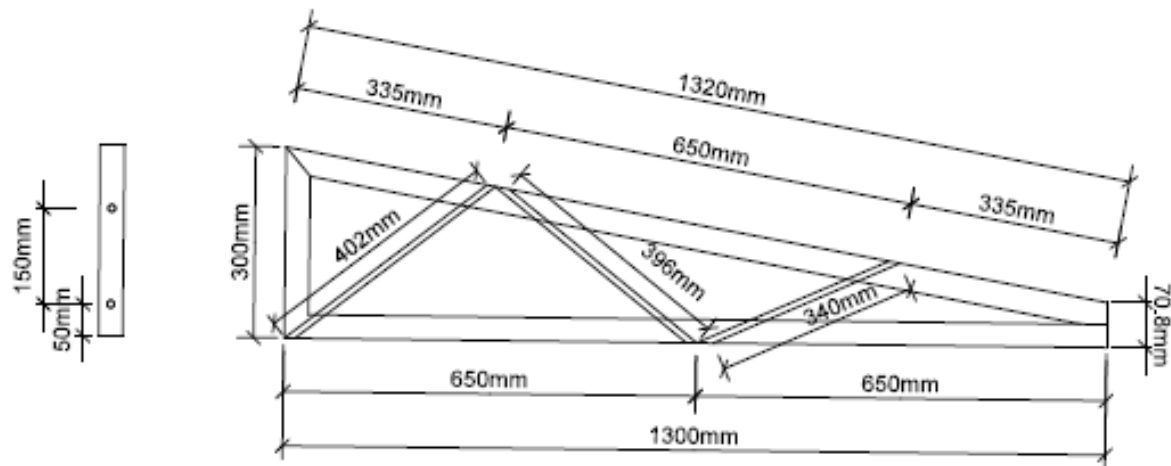
Approved

Date

Detail Number S 101

Appendix No

Detail of OVERHANG ROOF TRUSS



GALVANISED OVERHANG ROOF TRUSS

Scale N.T.S.

Drawn CAD

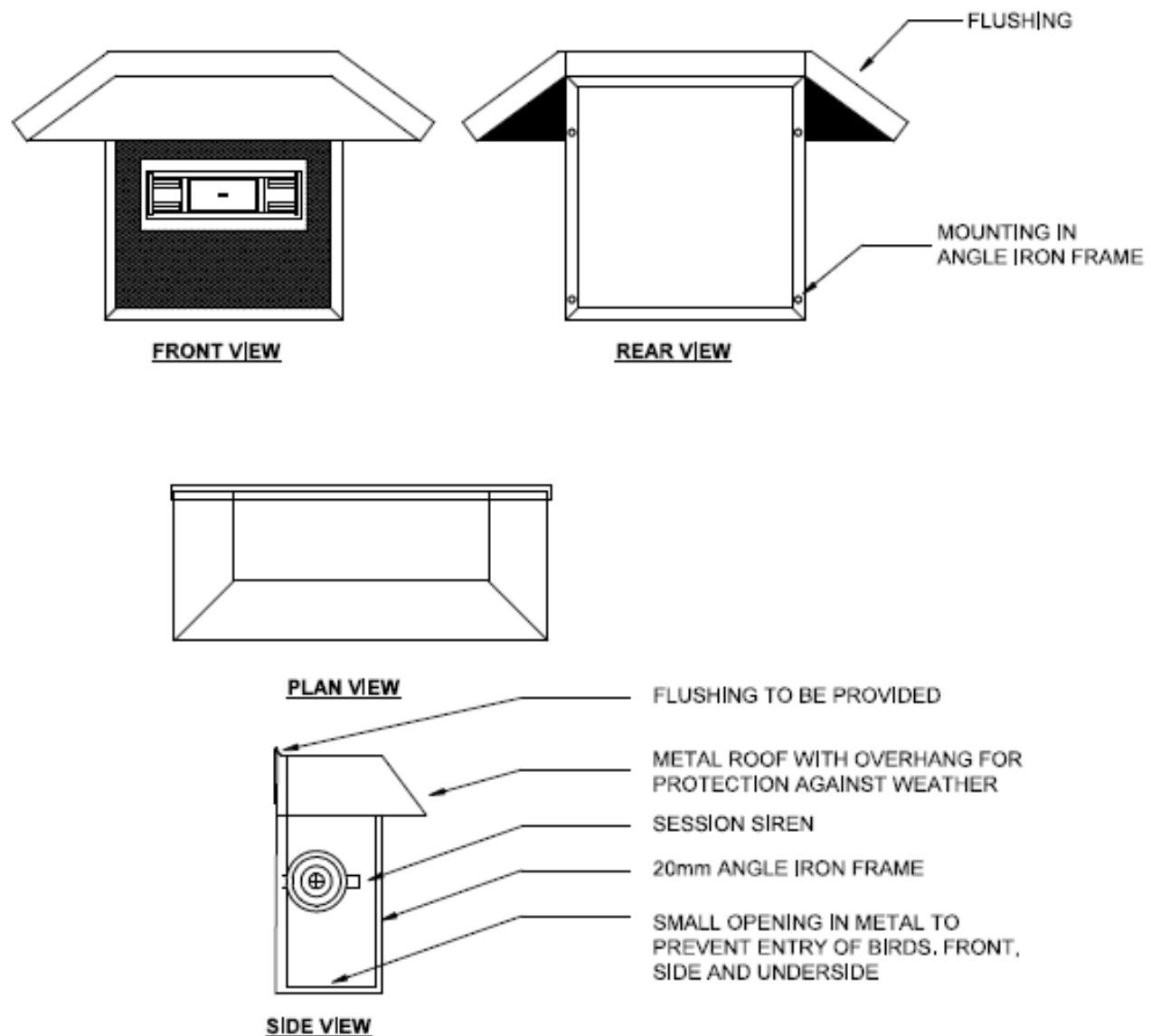
Approved

Date

Detail Number S 102

Appendix No

Detail of ENCLOSED SESSION SIREN



**DETAIL OF WALL MOUNTED TYPE VANDAL-PROOF
ENCLOSURE FOR SESSION SIREN (EXPOXY COATED)**

SESSION SIREN ENCLOSURE

Scale	N.T.S.
Drawn	CAD
Approved	
Date	

Detail Number S 103

Appendix No

Detail of DISTRIBUTION BOARD SLEEVE PIPE TEMPLATE

Ø110mm entry pipe for supply authority cable to protrude 100mm above floor.

4mm insulated copper earth conductor in 25mmØ PVC conduit for main earth to Telkom distribution board,

75mmØ entry pipe to protrude 100mm above floor

50mmØ sleeve pipe for main earth

400mmX400mmX150mm DB for Telkom @ 1200 AFFL to underside

50mmØ sleeve for Telkom DB in wall for bottom entry in Telkom DB,

TEMPLATE TO BE USED TO LOCATE SLEEVES

[IN MAIN CUPBOARD] [IN ADMIN BLOCK]
DISTRIBUTION BOARD

MAIN DISTRIBUTION BOARD SLEEVE PIPE TEMPLATE

Scale N.T.S.

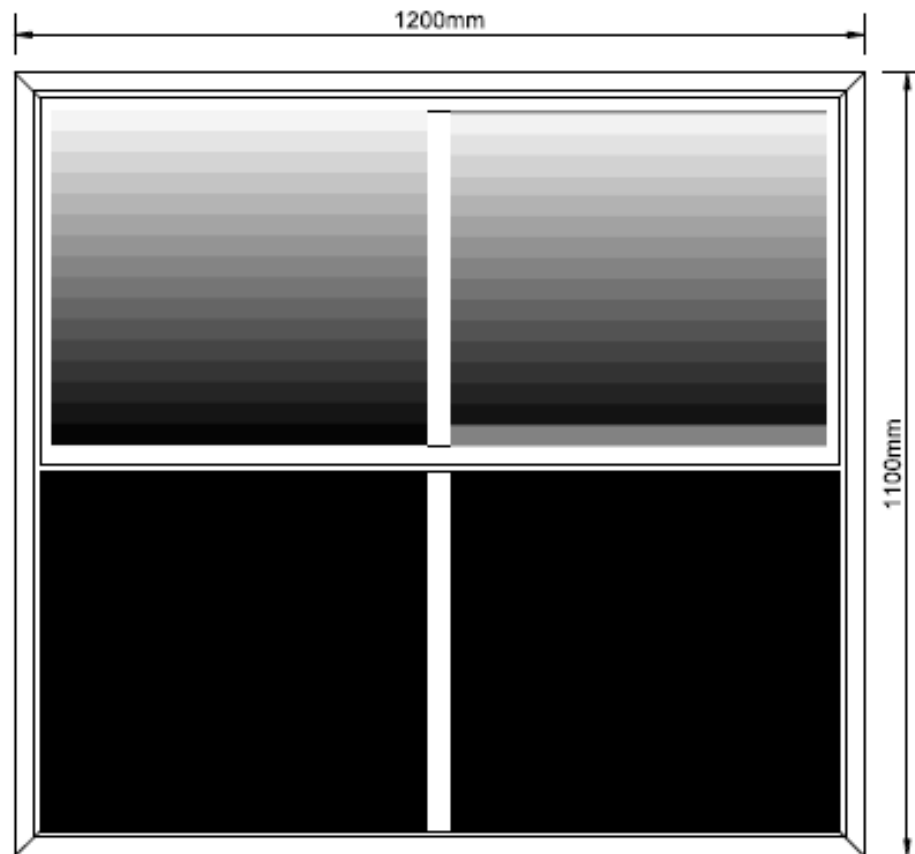
Drawn CAD

Approved

Date

Detail Number S 104

Appendix No

**NOTES:**

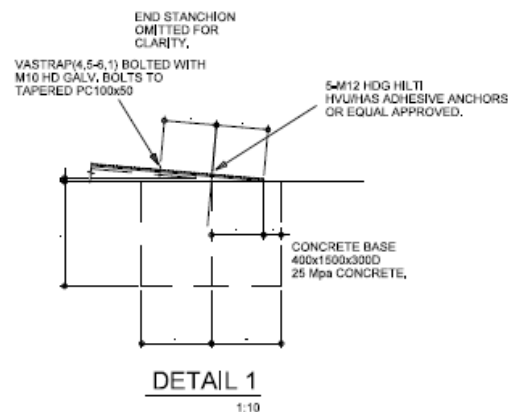
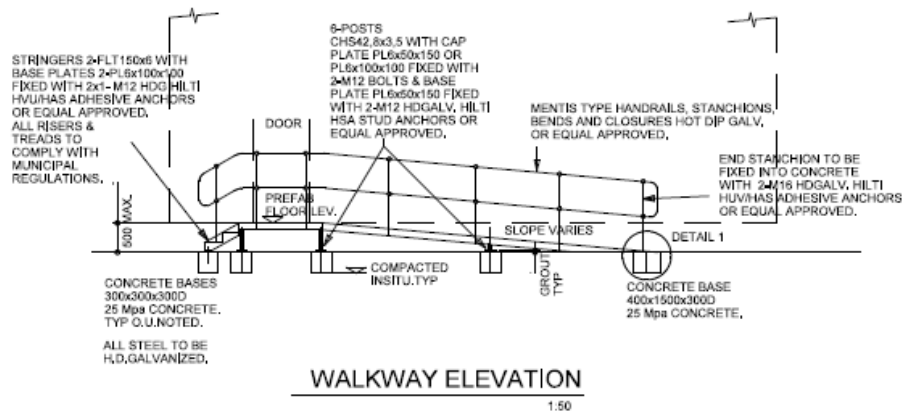
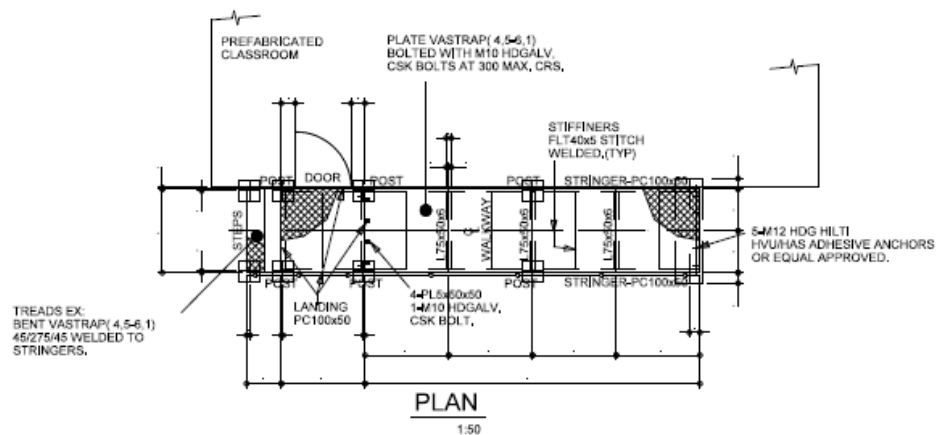
1. ALL WINDOW FRAMES TO BE 38mm ALUMINUM CASEMENT TYPE, WHITE EPOXY COATED.
2. NO MECHANICAL INSTALLATION REQUIRED.
3. WINDOW PANES SHALL HAVE SAFETY GLASS OF 6.38mm. UV TREATED GLASSING, AS PER REF: SANS 10400-N: 2010 EDITION 3, REF SECTION 4, 4.1; 4.2; 4.3; 4.4.
4. WINDOW FRAMES TO BE 1100mm HIGH AND 1200mm WIDE
5. THE WINDOWS ARE TOP HUNG WITH FOUR PANES PER WINDOW, THE TOP PANE OPENING.
6. WEATHER TRIMS TO BE PROVIDED FOR THE FULL LENGTH OF THE WINDOW.
7. POP RIVET WINDOW HANDLE FIXING. ENSURE POP RIVET IS NOT VISIBLE OR ACCESSIBLE. HANDLE INSTALLATION TO BE VANDAL-PROOF.
8. POLYURETHANE TO BE USED ONLY WHEN THEFT IS A SERIOUS CONCERN

STANDARD PLAN PRIMARY SCHOOL OR SECONDARY
SCHOOL - WINDOW FRAME

Scale	N.T.S.
Drawn	CAD
Approved	
Date	

Detail Number S 105

Appendix No



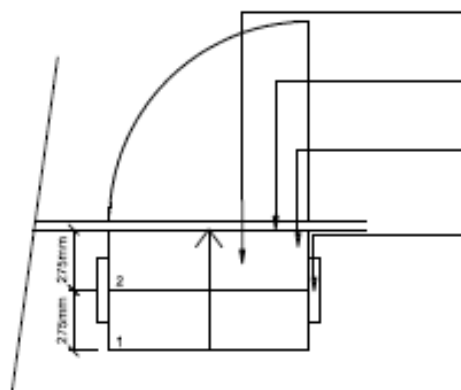
**FOR TENDER
PURPOSES ONLY**

STEELWORK NOTES

- All steelwork to be manufactured in accordance with SANS 2001-CS1: 2005
- All dimensions are to be verified on site prior to fabrication.
* Hot-rolled sections (other than angles with leg lengths of 50mm or less), plates and tubular sections - S355JR
- All plates to be 6mm thick u, a, noted.
- Site welding shall not be permitted without the written consent of the Engineer.
- All base plates to be caulked with tightly rammed 1 : 1 semi-dry sand : cement grout.
- Anti-corrosive treatment
6.1 Galvanizing
* All hot dip galvanizing to be in accordance with SANS 121 (ISO 1461).
* All steel to be hot dip galvanized.
- Shop drawings to be submitted to the Engineer for approval before manufacture.

P	PRELIMINARY STAGE		D	DESIGN STAGE		SIZE
T	TENDER STAGE		C	CONSTRUCTION STAGE		A2
REVISION	DATE	DESCRIPTION		BY	CHECKED	
T0	2019-2-22	FOR TENDER PURPOSES ONLY		PJA	ZJA	
PROJECT						
PRE-FAB TERM TENDER						
DESIGNED		ZJA/TB/M				
DRAWN		PJA/TB/M				
CHECKED		ZJA/TB/M				
PROJECT LEADER		ZJA/TB/M				
DEVELOPMENT MANAGER		CJA/RE/KIS				
DATE		OCTOBER 2018				
DRAWING TITLE				DRAWING No.		REVISION
TYPICAL STEEL ACCESS WALKWAY.				S106		T0

Detail of ACCESS TO UNIT



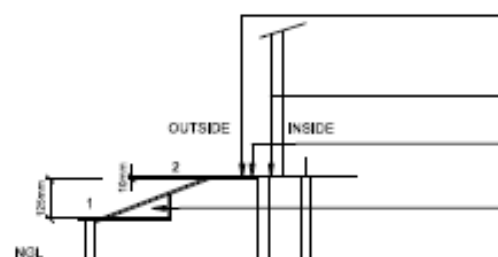
PLAN

STEEL STAIRCASE CONSTRUCTED OF 6mm GALVANIZED MILD STEEL CHECKERED PLATE LANDING AND STEPS.

10mm SPACE BETWEEN STAIRCASE AND MOBILE UNIT FOR EXCESS WATER TO FLOW

SECOND STEP TO BE FLUSH WITH INSIDE OF MOBILE UNIT.

GALVANIZED MILD STEEL STRINGERS WELDED ON BOTH SIDES OF STEPS, TREADS TO BE 275mm, RISES TO BE 125mm



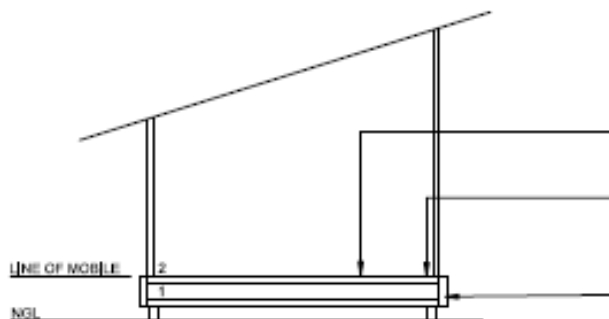
SECTION

STEEL STAIRCASE CONSTRUCTED OF 6mm GALVANIZED MILD STEEL CHECKERED PLATE LANDING AND STEPS.

10mm SPACE BETWEEN STAIRCASE AND MOBILE UNIT FOR EXCESS WATER TO FLOW

SECOND STEP TO BE FLUSH WITH INSIDE OF MOBILE UNIT.

GALVANIZED MILD STEEL STRINGERS WELDED ON BOTH SIDES OF STEPS, TREADS TO BE 275mm, RISES TO BE 125mm



ELEVATION

STEEL STAIRCASE CONSTRUCTED OF 6mm GALVANIZED MILD STEEL CHECKERED PLATE LANDING AND STEPS.

10mm SPACE BETWEEN STAIRCASE AND MOBILE UNIT FOR EXCESS WATER TO FLOW

GALVANIZED MILD STEEL STRINGERS WELDED ON BOTH SIDES OF STEPS, TREADS TO BE 275mm, RISES TO BE 125mm

ACCESS TO UNITS:

1. ACCESS STRUCTURE TO BE FIXED TO UNIT.
2. A GALVANIZED MILD STEEL STRUCTURE CONSISTING OF AT LEAST 2x STEPS WITH A TREAD WIDTH OF 350mmx1000mm SURFACE. (SEE DETAIL)
3. TOP OF LANDING TO BE 20mm LOWER THAN THE TOP OF THE INTERNAL FINISHED FLOOR OF UNIT.
4. ACCESS STRUCTURE TO BE FIXED WITH GALVANIZED BOLTS TO THE CHASSIS.

STANDARD PLAN PRIMARY SCHOOL OR SECONDARY SCHOOL - UNIT ACCESS (STEPS)

Scale N.T.S.

Drawn CAD

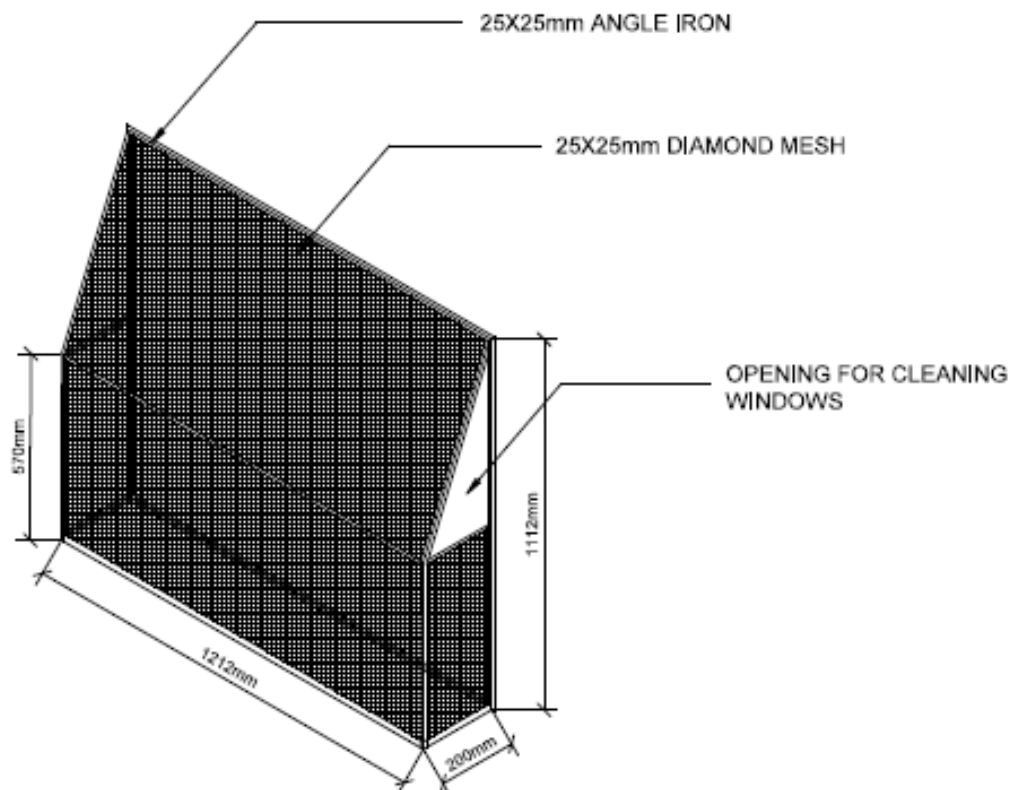
Approved

Date

Detail Number S 107

Appendix No

Detail of STONE GUARDS

**STONE GUARDS:**

1. STONE GUARDS ONLY TO BE FITTED TO ALL UNITS.
2. STONE GUARDS TO BE 25mmX25mm ANGLE IRON FOR OUTER FRAME AND 25mmX25mmX1,6mm GALVANIZED DIAMOND MESH.
3. STONE GUARDS TO BE FITTED EXTERNALLY.
4. STONE GUARDS SHALL BE FORMED FROM 40X40X3mm THICK GALVANIZED METAL.
5. FRONT SIDES AND TOP (EXCLUDING BOTTOM) SHALL BE CLOSED WITH 50X25X3mm EXPANDED METAL.
6. STONEGUARDS SHALL BE FIXED TO THE EXTERNAL WALL SURFACE WITH ANTI-THEFT BOLTS.

STANDARD PLAN PRIMARY SCHOOL OR SECONDARY
SCHOOL - STONE GUARDS

Scale	N.T.S.
Drawn	CAD
Approved	
Date	

Detail Number S 108

Appendix No