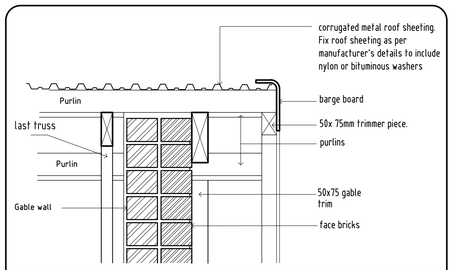
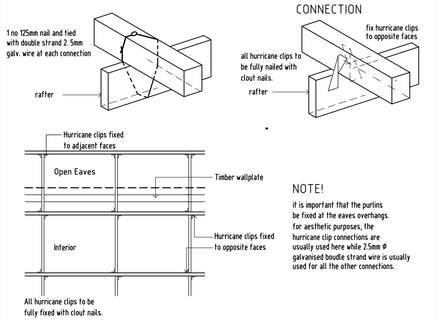
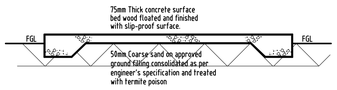


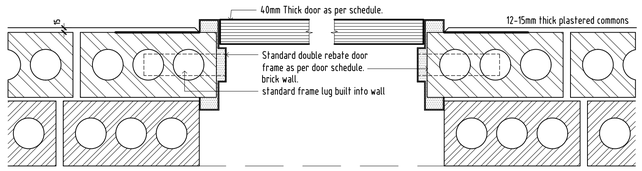
DETAIL NO:	SCALE:	DETAIL DESCRIPTION:
DRC11	1:20	BARGE BOARD DETAIL



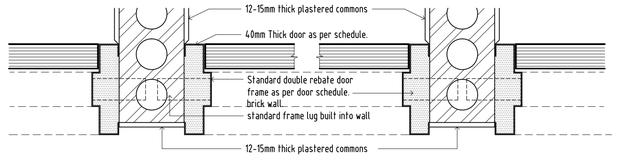
DETAIL NO:	SCALE:	DETAIL DESCRIPTION:	SEE DETAIL NO:
DRC10	1/50	PURLIN FIXING	



WALKWAY SECTION
scale- 1:10



110mm DOOR FRAME - PLAN DETAIL
scale- 1:10



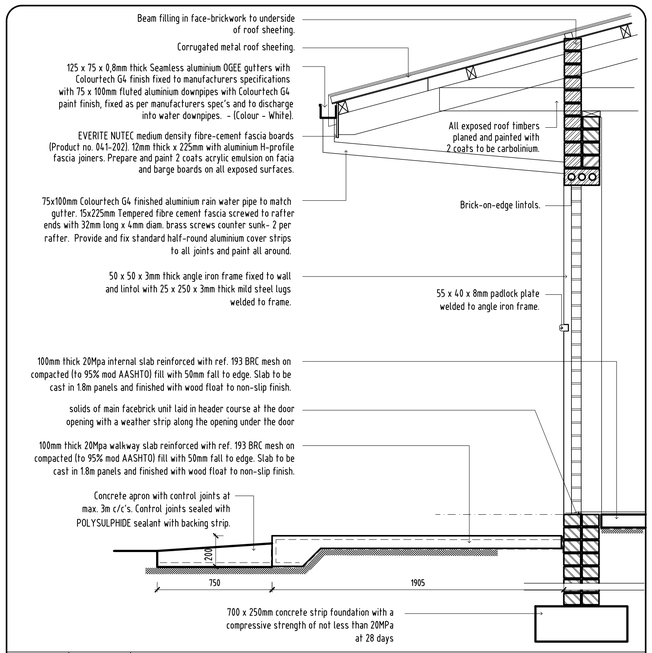
110mm DOOR FRAME - PLAN DETAIL 2
scale- 1:10

GENERAL NOTES FOR SHEETED ROOFS

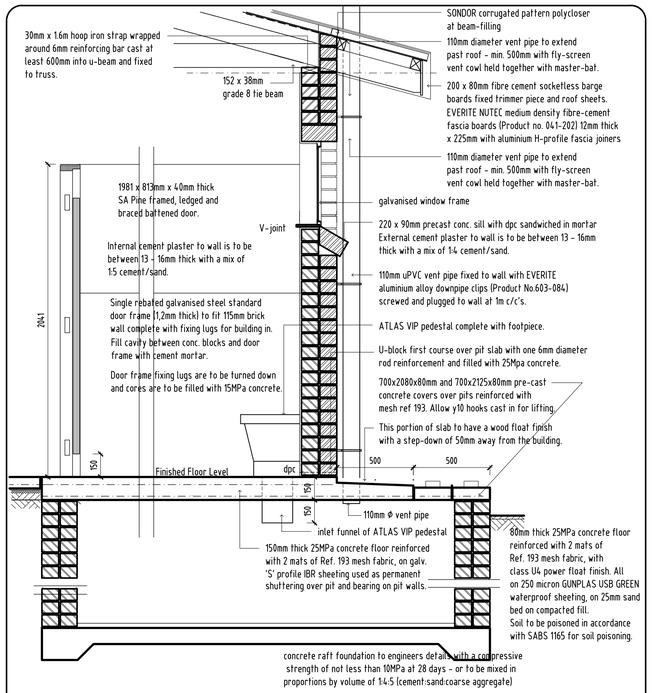
1) NAILS
nails are to be 3.5mm dia. x 75mm long unless otherwise shown
clout nails are to be 2.8mm dia. x 40mm long galv. clout nails unless otherwise shown
MIN.NAIL SPACING = 10Φ
MIN.EDGE DISTANCE = 5Φ d=NAIL DIA.
MIN.END DISTANCE = 15Φ
2) TIMBER
all bracing timber to be minimum grade (4).
all purlin timbers to be to sabs 563 or equivalent standard
3) purlin to rafter connection as per detail pc
4) trusses shall be plumb & straight before bracing & purlins are attached
5) purlin joints to be staggered. splice purlins as per detail
6) tiebeam runner joints to be staggered and spliced to detail
7) diagonal bracing members are to be nailed to rafters or tiebeams as indicated in relevant details
8) all bracing, including web bracing and runners where required to be fixed in position before roof is loaded
9) all bracing must be nailed to each truss of 2ply, 3ply & 4ply multi-member
10) trusses to be fixed to walls in accordance with detail or other trusses holding down details.
11) all details may be superseded by an appropriate method approved by a professional engineer

PLASTER BRICK COMMONS
(plaster & paint finish)

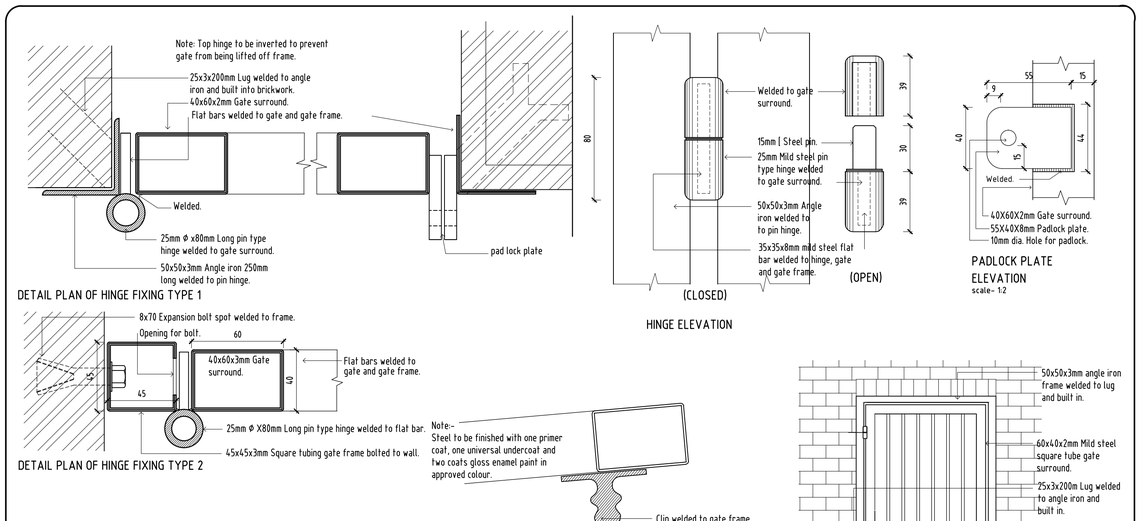
FACEBRICK TYPE 1
(main facebrick)



DETAIL NO:	SCALE:	DETAIL DESCRIPTION:
SD1	1:20	GATE OPEN, THRESHOLD,WALKWAY AND CHANNEL DETAIL.



DETAIL No:	SCALE:	DETAIL DESCRIPTION:
SD2	1:20	EXTERNAL WALL SHOWING FOUNDATIONS, CILL, HEAD, EAVES AND PIT.



DETAIL PLAN OF HINGE FIXING TYPE 1

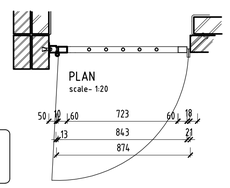
PADLOCK PLATE ELEVATION
scale- 1:2

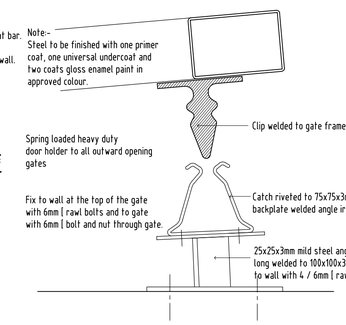
HINGE ELEVATION

DETAIL PLAN OF HINGE FIXING TYPE 2

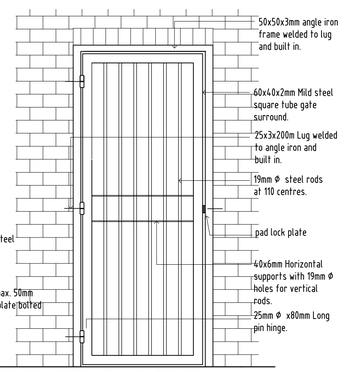
GLOSS ENAMEL PAINT:
1 Coat factory applied red oxide, 1 coat universal undercoat and 2 coats approved gloss enamel paint in approved colour.

NOTE:
All holes in the galvanised mild steel gate components to be pre-drilled prior to galvanising of components





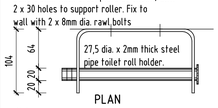
GATE HOLDER
scale- 1:2



ELEVATION - with Door Frame for 220 wall

DETAIL NO:	SCALE:	DETAIL DESCRIPTION:
DG1	1/2	GATE HINGE FIXING DETAIL

Bend a 3mm thick steel plate as shown, with 2 x 30 holes to support roller. Fix to wall with 2 x 8mm dia. rawl bolts



PLAN

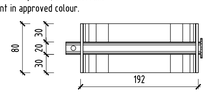
Note:-
Provide one toilet roll holder for girls toilet and one toilet roll holder for boys toilet- as shown on plan.

Steel to be finished with one coat zinc-chromate primer, one universal undercoat and two coats gloss enamel paint in approved colour.

Hole for padlock on one side of toilet roll holder and on the other side weld a 4.0mm x 3mm thick steel plate.

All edges and sharp corners of bent plate are rounded to a radius of 1mm.

Supply one padlock per holder.
N.B. All padlocks must be opened by one key
Supply one key for every 5 padlocks.



ELEVATION

DETAIL No:	SCALE:	DETAIL DESCRIPTION
TRH	1:5	DETAIL TOILET ROLL HOLDER

GENERAL SPECIFICATION NOTES:

This specified drawing to be read in conjunction with the WB20 Standard Preambles.

All TRADE NAMES to be as specified or equal and approved.

ROOF:
Corrugated metal roof sheeting with LEAK KING roofing screws.
Mastic sealant at side laps. SONDOR corrugated pattern Polyclosers under ridge capping.
Determine the direction of prevailing winds before laying sheets. Sheets must project minimum of 50mm beyond purlins at eaves. Holes in sheets to be drilled not punched.
Sheets are to be fixed to 76 x 50mm purlins spaced as indicated with max of 1140mm on timber roof trusses spaced as indicated on roof plan.

Prefabricated cleated roof trusses to be to the Engineers approval - or trusses to be manufactured on site are to be constructed to details as shown of roof plan drawing .../02.
Roof is to be tied down to walls with 30mm x 1.6mm thick and 1.6m long galvanised hoop iron straps built in.
Trusses to be spaced at +/- 1260 / 1270 c/c (as dimensioned on roof plan) resting on 114 x 38 wall plates.
HURRICANE CLIPS to be provided and secured to purlins and trusses at every intersection externally, and internally double wound 2.5mm galvanised wire is to be used.
Exterior roof timber to be painted with 2 coats ABE PROVINITE, before fixing of roofing sheets, fascias and bargeboards.

Roof pitch to be 15 degrees

BARGEBOARD:
EVERITE NUTEC fibre cement sockettless bargeboards (Product No 521-731) 200mm x 80mm.

Aluminium H-profile barge board joiners (Product No 685-187). Drill for and fix with hot-dipped galvanised screws and washers.
76 x 50mm trimmer batten fixed underside of purlin ends for barge board fixing.

WINDOWS:
Hot dipped galvanised " SS Industrial Type " metal windows.
No painting required.
4mm clear glazing with steel putty. No painting necessary.
Refer to window schedule.

DOORS:
Galvanised Stock Steel Single Rebated door frames (1.2mm thick) for 115mm brick walls - not painted with 1 pair of 100mm galvanised steel loose-pin hinges welded in position.
2032 x 813 x 40mm SA Pine framed, braced and ledged battened doors with SOLID ART 294 mortice indicator bolt.
All doors to be primed, undercoat and 2 coats - gloss enamel.

FASCIAS:
EVERITE NUTEC medium density fibre-cement fascia boards (Product no. 041-202).
12mm thick x 225mm with aluminium H-profile fascia joiners (Product no. 685-195). Drill for and fix with hot-dip galvanised drive screws and washers.

FOUNDATIONS:
700 x 250 20Mpa concrete strip footings under all walls with top of foundation to sit in natural ground with a minimum of 400mm below ground level and to Architect's/Engineer's approval.

WALLS:
All walls are to comply with "Part K" of the National Building Regulations.
COROBRIK FBA Face Brick walls in stretcher bond with ruled joints and perpends externally.
COROBRIK COMMONS to be used where to recieve plaster.
COROBRIK ENGINEERING Bricks below ground level in foundation walls.
Brickforce to all courses from window head to underside wallplate.
Galvanised crimp wire wall ties (7 per square metre - laid staggered.
External face of inner skin to be painted with bitumen paint.
External cills to be of sloping brick-on-edge roller course, cills to be 30 degrees.
Internal cills to be EVERITE NUTEC fibre-cement (Product No. 031-509) complete with fixing lugs and self-tapping screws.
375 micron embossed damp-proof membrane stepped below all window cills.
Where plaster is required internally (13 - 16mm thick), plaster is to have 1:5 cement:sand mix.
Cement plaster to be painted with 'WALL N' ALL' emulsion paint. Colour to be approved by the Department.
Beam filling to underside of roofing sheets.

FLOORS:
100mm thick power floated finished concrete slab (25Mpa) reinforced with mesh Ref 193 set 25mm below top on 250 microns GUNPLAS USB GREEN waterproofing on 25mm river sand bed on fill compacted to MOD AASHTO 95%. Soil to be poisoned in accordance with SABS 1165. (Certificate must be provided)

VERANDA WALKWAY:
100mm thick concrete slab (25Mpa) reinforced with mesh Ref 193 set 25mm below top on 250 microns GUNPLAS USB GREEN waterproofing on 25mm sand bed on fill compacted to MOD AASHTO 95%. Veranda floor to be graded to fall and cast in panels at 1850 centres. Control Joints at every 7.4m centres. Finish to be wood float non-slip. Control joints sealed with 10mm Polysulphide sealant with backing strip and softboard.

CONCRETE APRONS / CHANNELS
Concrete aprons laid to a fall of 1:200 and in panels with control joints at every 3m centres on fill compacted to MOD AASHTO 95%.
Control joints sealed with 10mm Polysulphide sealant with backing strip and softboard.

BACKFILL:
Filling to be approved clean earth, well watered and rammed in layers not exceeding 150mm in depth and thoroughly consolidated to a density of 95% MOD AASHTO.

AIR-BRICKS
229 x 152mm Terra-cotta vermin proofed air-bricks built into brick beam filling at approx. 1265mm centres.

SANITARY FITTINGS
ATLAS VIP 450 (with seat) pedestal with footpiece. Colour granite.

Thiefproof steel toilet roll holder - as detailed and fixed to the wall 900mm from finished floor level.

DETAIL DESCRIPTION.
GENERAL NOTES CONTINUED

COPYRIGHT RESERVED BY ARCHITECT.
ALL DIMENSIONS ARE INDICATED IN MILLIMETRES AND MUST BE CONTROLLED ON SITE. THIS DRAWING MUST NOT BE SCALED. ONLY FIGURED DIMENSIONS MAY BE USED.

NOTES

All bulk excavations, platforms, soil improvements, foundations and construction joints to be in accordance with the engineer's specifications, drawings and geotechnical report.

All concrete aprons and stormwater channels to be according to engineer's drawings and specifications.

Revisions			
Rev. No.	Date	Description	Rev. by

Signature by the Client department

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PROVINCE OF KWAZULU NATAL
DEPARTMENT OF EDUCATION
HEAD: EDUCATION

PROJECT
DEPARTMENT OF EDUCATION:
ILEMBE DISTRICT MUNICIPALITY
PROPOSAL - REPAIR AND REFURBISHMENTS AT DINGIZWE PRIMARY SCHOOL
D881 KWAHLONGWA AREA, MAPHUMULO

DRAWING DESCRIPTION

SITE DEVELOPMENT PLAN
CONSTRUCTION DETAILS

EMIS Number - 500121508

PROJECT No.	DRAWING No.	REVISION
000-00	SDP007	0

SCALE	DATE	DESIGNED/DRAWN	CHECKED
1:2 / 1:5 / 1:10 / 1:20 / 1:50	Sep 2022	BAS	BAS

DINGIZWE PRIMARY SCHOOL