

NOTES:

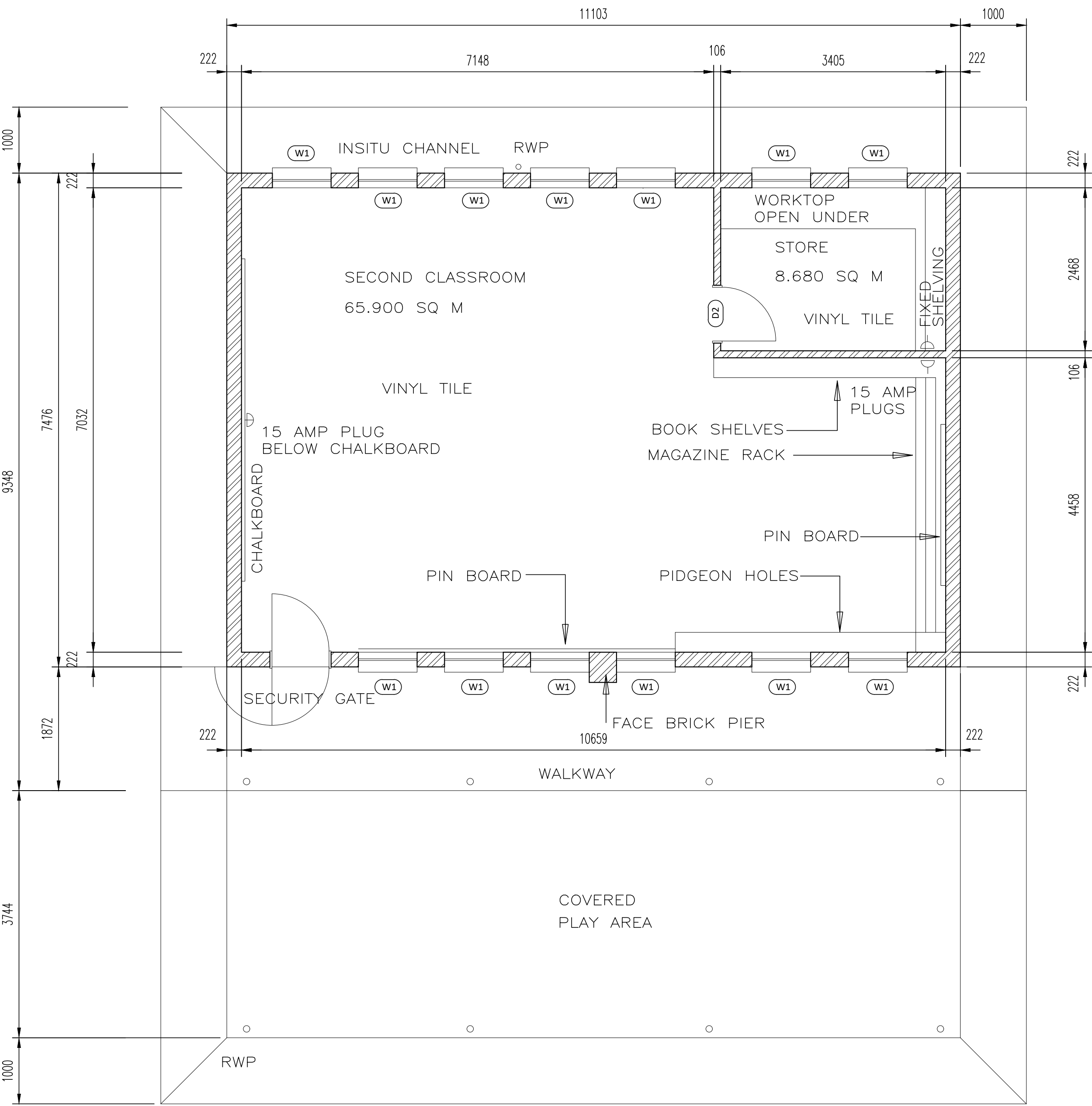
SATIN FACE BRICK DADO, HEIGHTS AS INDICATED, TOP COURSE TO PROJECT 15mm AS PLASTER STOP

ALL STRUCTURAL TIMBER TO BE CPR TREATED

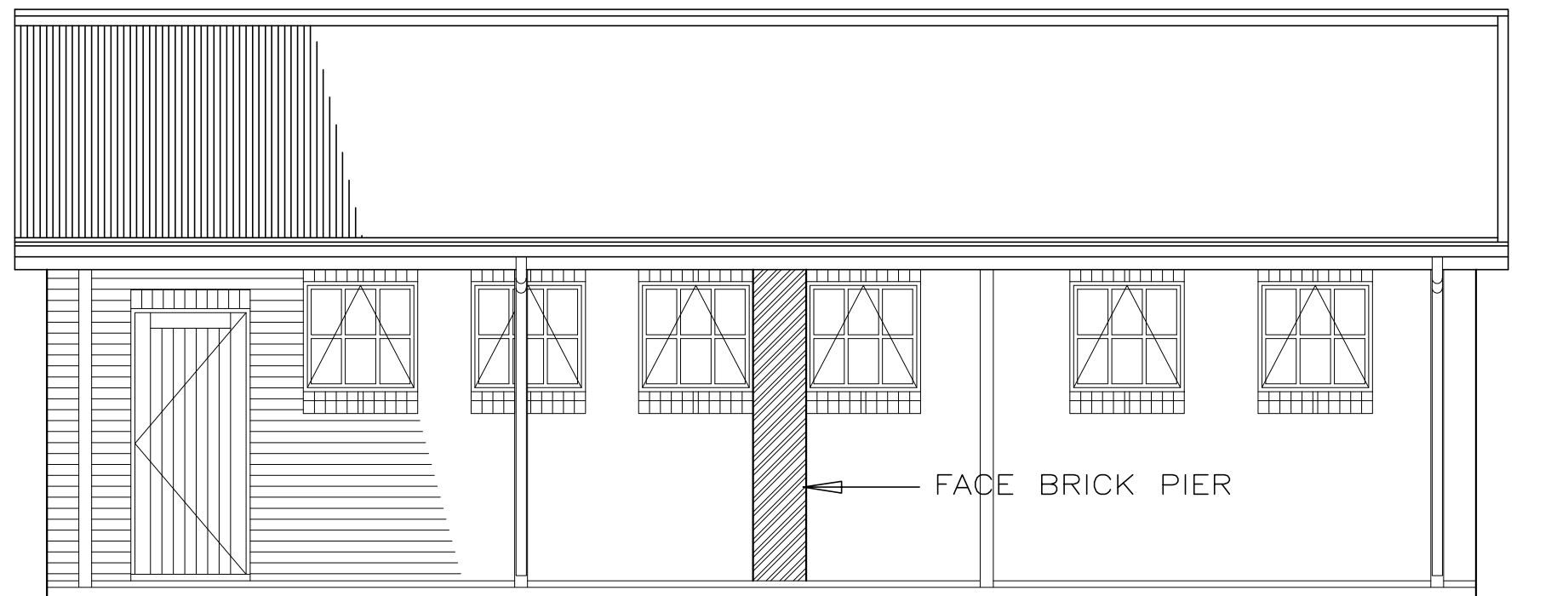
WALKWAY SCREEDED TO FORM 15mm THRESHOLD AT DOOR

DEMAND TAP TO SINK

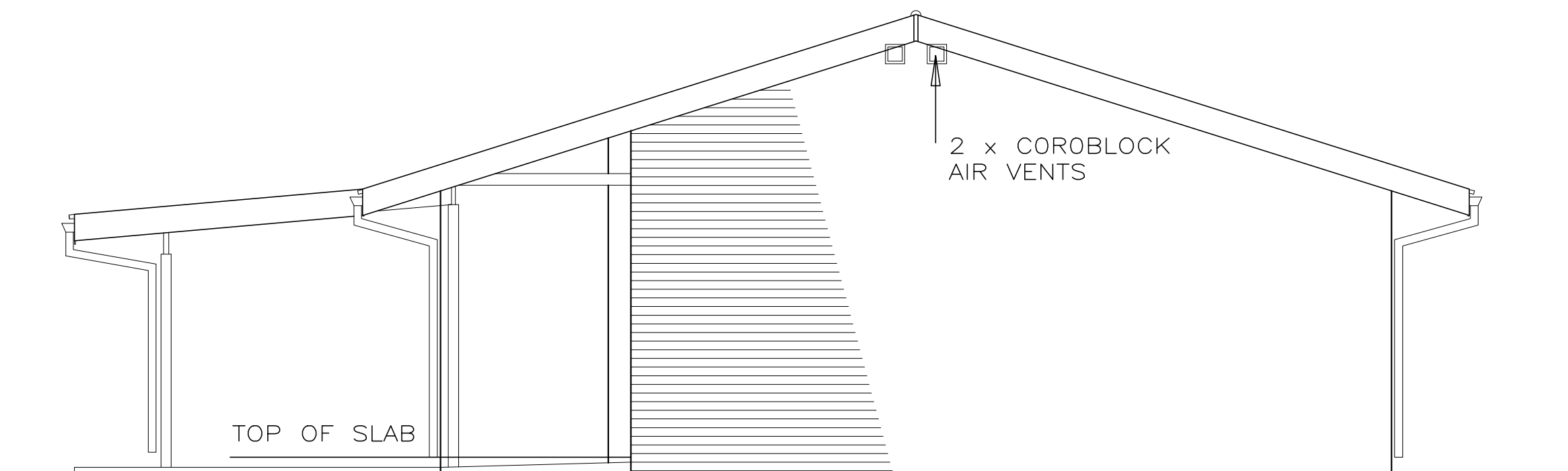
AIRBRICKS RODENT PROOFED



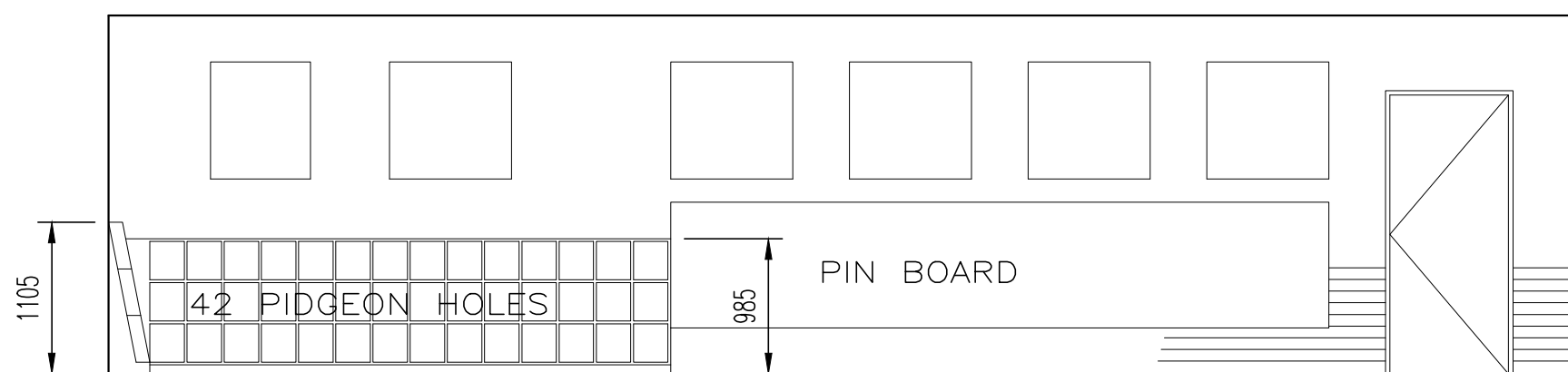
LAYOUT PLAN  
SCALE 1 : 50



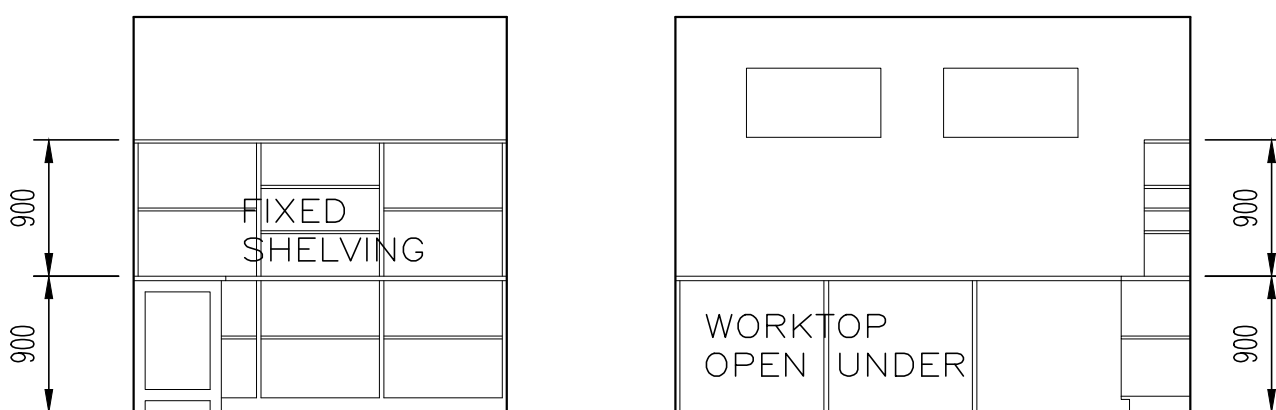
ELEVATION TO WALKWAY  
SCALE 1 : 50



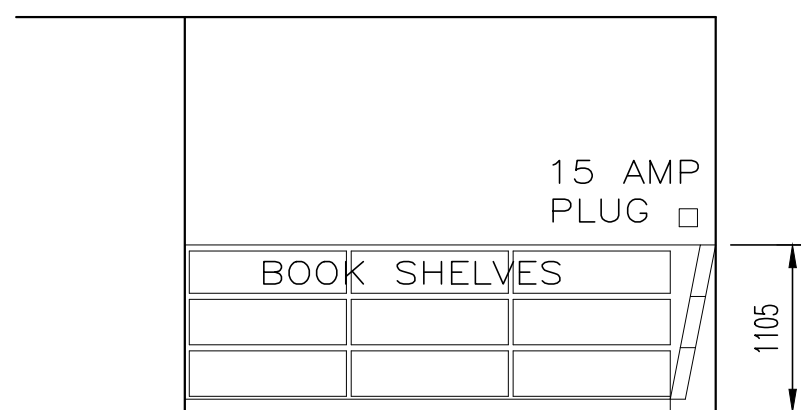
GABLE ELEVATION  
SCALE 1 : 50



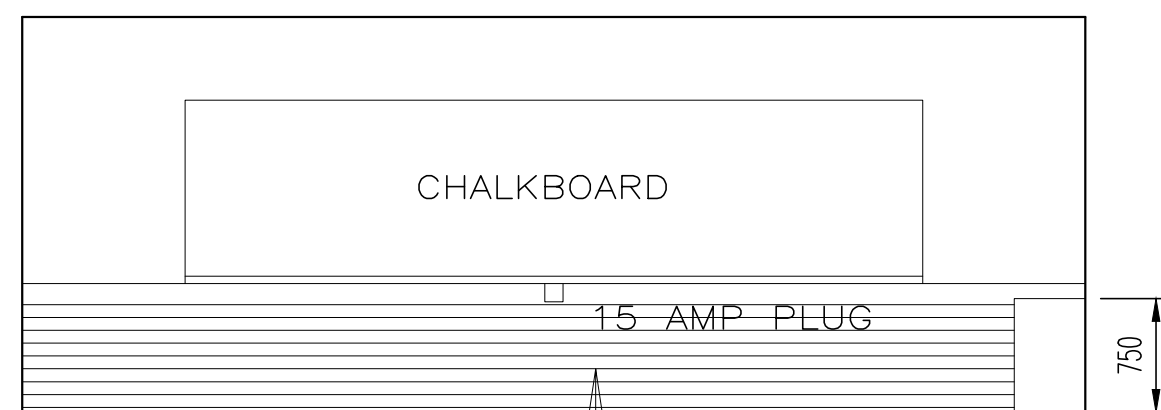
LONG ELEVATION  
SCALE 1 : 50



STORE ROOM ELEVATIONS  
SCALE 1 : 50

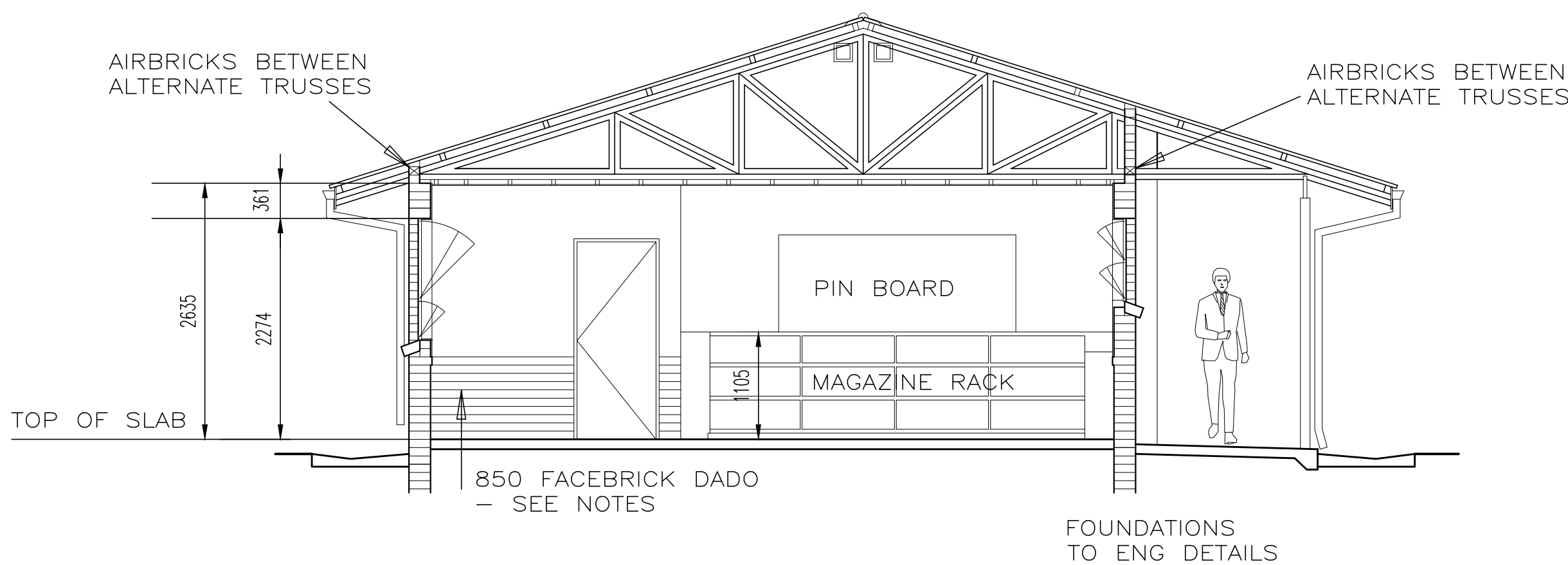


PART LONG ELEVATION  
SCALE 1 : 50



END ELEVATION  
SCALE 1 : 50

WINDOW SCHEDULE		DOOR SCHEDULE	
TYPE	4BH OVER 4BH COMPOSITE	NUMBER	D01
NUMBER	W03	NO REQD: 1 - WITH SECURITY GATE	
FRAME	NO REQD: 13	2032 x 813 x 44mm SILLIONA 'BLACK' LEDGES AND BRACED BATTENED DOOR WITH 4 x 11mm STILES AND TOP RAIL, 20 x 120mm MIDDLE LEDGES, 20 x 225mm BOTTOM LEDGE AND 20 x 110mm BRACES	
GLASS	4mm CLEAR FLOAT GLASS WITH STEEL WINDOW PUTTY	PRIMED, UNDERCOAT AND TWO COATS GLOSS ENAMEL	
FITTINGS	STANDARD BRASS FITTINGS	STANDARD 1.2mm DOUBLE REBATED GALVANISED PRESSED METAL FRAME FOR 115mm WALL COMPLETE WITH STRAPS FOR BUILDING IN, 2x100mm GALVANISED AND WELDED LOOSE PIN HINGES, ADJUST. CHROME PLATED STRIKING PLATE	
BURGLAR BARS	FACTORY FITTED	GALVANISED NO PAINTING REQUIRED	
FINISH	GALVANISED NO PAINTING REQUIRED	FINISH	
NOTES	HEAVY STEEL SECTION	NOTES	
FURNITURE	SOLID ART 390/313 4 LEVER MORTICE LOCKSET AND SATIN CHROME PLATED HANDLES, 38mm DIAMETER DOOR STOP PLUGGED AND SCREWED TO FLOOR WITH A 50mm LONG BRASS SCREW	SECURITY	D02
		NO REQD: 1	
		2032 x 813 x 44mm SOLID CORE HARDWOOD PANEL DOOR WITH COMMERCIAL VENEER	
		PRIMED, UNDERCOAT AND TWO COATS GLOSS ENAMEL	
		STANDARD 1.2mm DOUBLE REBATED GALVANISED PRESSED METAL FRAME FOR 115mm WALL COMPLETE WITH STRAPS FOR BUILDING IN, 2x100mm GALVANISED AND WELDED LOOSE PIN HINGES, ADJUST. CHROME PLATED STRIKING PLATE	
		GALVANISED NO PAINTING REQUIRED	
		FINISH	
		NOTES	



SECTION  
SCALE 1 : 50

## GENERAL NOTES

- The implementing agent will give direction whether a pit will be sealed or un-sealed depending on the outcome of the ground water protocol.
- The contractor will be responsible for excavation the pit, whatever the ground conditions, higher cost.
- All blocks to be rfx engineering blocks for the whole substructure.
- Section a-a shows the arrangement for an un-sealed pit, for sealed pits the outside wall of the substructure must be solid with no open vertical joints.
- The bottom of the pit will include a 500mm thick concrete base to ensure the pit is fully sealed.
- Central dividing walls must be constructed with fully mortared joints for the full depth.
- The outer wall of the pit must have a minimum thickness of 200mm.
- The pit must be 1 course of bricks above the natural ground level.
- The slabs will be designed and approved by the implementing agent.
- The rain water harvesting tank must be equipped with a flood valve and connected to the main water supply within the school yard, where it is available.
- Taps in all wash hand basin must be charlock pvc Pro.
- Close taps to ensure reliable water conservation, which must be able to close at minimum 15kpa pressure.
- Vent pipes to be secured to the walls outside the abutment facilities
- 3m 110mm Ø vent pipe (black - uv) fixed with 3 110mm holder bolts
- 110mm fly screen used at vent end Charlock VIP 200 toilet pedestal to be complete with seal lid, Grade R: Char Bambi (drop middle pan)
- pipes from sinks & urinal outlets to soakaway pit (50mm pvc)
- pipes from gutters to fill tank (75mm pvc)
- pipe form tank to sinks (15mm polyprop) fitting to be done internally

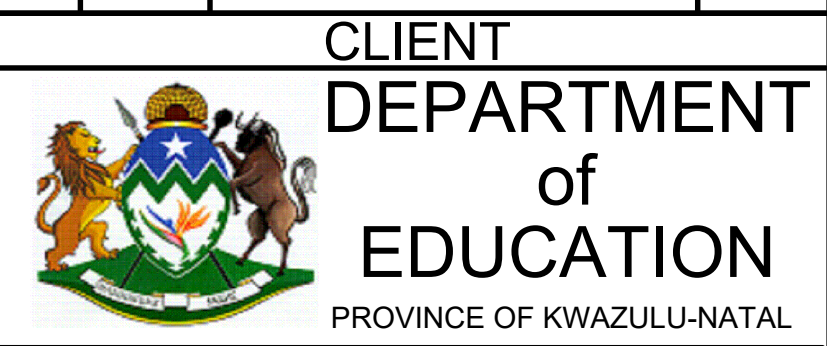
## CONSTRUCTION NOTES

- FOUNDATIONS**
  - Foundation to be 700mm wide x 250 thick, 25 mpa concrete strip footing under all walls.
  - They are to sit on firm compacted ground (excavated trenches) with a minimum of 700mm below ground level and to engineers approval upon inspection.
- BACKFILL**
  - Fill & Imported fill to be approved clean earth, well watered & rammed in layers not exceeding 150mm in depth and thoroughly consolidated to a density of 85% mod astho.
- FLOORS**
  - All to Engineers detail and specification.
- WALLS**
  - All walls are to comply with "Part K" of the National Building Regulations.
  - COROBLOCK COMMONS to be used where to receive plaster COROBLOCK ENGINEERING Bricks to be used below ground level in foundation walls.
  - Brickwork to every 3rd course up to window head height thereafter all courses from window head to underside of wallplate. Galvanised crimp wire wall ties (7 per square metre - laid staggered)
  - External face of inner skin to be painted bitumen paint. 375 micron embossed damp-proof membrane stepped below all window cills.
  - Where plaster is required internally (13 - 16mm thick) ratio must be 1:5 cement:sand mix. Beam filling to underside of roofing sheets.
  - Control joints to be provided in accordance with engineers specifications & must be sealed with 12mm deep polysulphide sealant with backing strip and impregnated softboard
  - All internal brickwork to have brickforce at every third course of brickwork.
  - All founding and / or retaining wall to Structural Engineers details.
  - P.C. lintols to be installed over all new openings whereas walls to be plastered and painted.
  - All Facebrick on edge lintols strictly to eng. detail
- ROOF**
  - Safittra 0.5mm thick AZ150ZincAl Widedek profile roof sheeting, fixed to intermediate steel purlins at 1600mm centres and to ridge and eaves purlins at 1350mm centres, 12x55mm long class3 metal self drilling screws at every second crest at intermediate purlins and every crest at eaves purlins all in accordance with the manufacturer's recommendations
  - The sheeting shall be Widedek trapezoidal type profile as manufactured by Safittra Roofing.
  - The profile shall be roll-formed with 5 trapezoidal ribs at 191mm centres with a nett cover of 760mm.
  - The rib height shall be 29mm and shall be fixed in accordance with the manufacturer's recommendations
  - Widedek sheeting the recommended minimum pitch for slopes in excess of 15m is 10° and for slopes less than 15m is 7.5°
  - Widedek sheeting can be ordered in any length, subject to transport limitations up to 13.2m. Longer lengths require special transport arrangements.
  - Purlin spacings are dependant on both downward loading and negative suction loading caused by wind. The engineer should be consulted to calculate the load (kN/m²) for particular application

## CONCRETE MIX RATIOS

STRENGTH	UNIT CEM	UNIT SAND	UNIT STONE
10MPa	2	3.5	3.5
15MPa	2	3	3
25MPa	2	2.5	2.5
30MPa	2	2	2

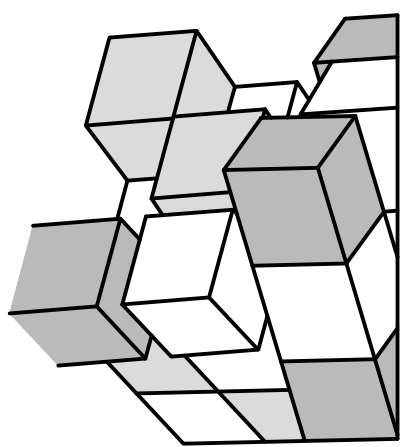
DATE	REVISION	DRAWN
10/07/13	FOR APPROVAL	S.Z
11/02/14	FOR APPROVAL	S.Z
28/02/14	FOR APPROVAL	S.Z



## TECHNICAL CONSULTANT

## GANT

PROJECT MANAGEMENT (PTY) Ltd.  
CONSULTING ENGINEERING  
BUILT ENVIRONMENT PROFESSIONALS



JHB OFFICE :  
P.O. BOX 568  
PRIVATE BAG X1  
JUKESKI PARK  
2153  
(011) 792 2359  
E-mail :  
stephan@gant.co.za

NAME	SIGNATURE	DATE	SHEET SIZE
DESIGNED	MU MILLS	20/10/13	A0
DRAWN	AM DE VILLERS	14/08/22	SCALE
VERIFIED			1:50
VALIDATED			1:50

## IMPLEMENTING AGENT



## PROJECT:

DBSA KWAZULU NATAL SCHOOLS  
SCHOOL IMPROVEMENT PROJECT

## TITLE:

HLUTHANKUNGU PRIMARY SCHOOL  
EMIS NO: 500157916

## DESCRIPTION:

GRADE 'R' CLASSROOM

19/04/01 GL 1519