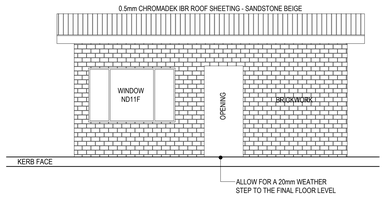


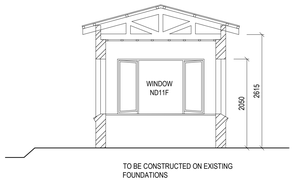
NORTH ELEVATION

SCALE 1:50



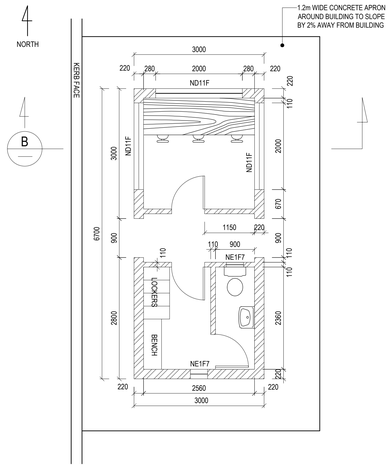
WEST ELEVATION

SCALE 1:50



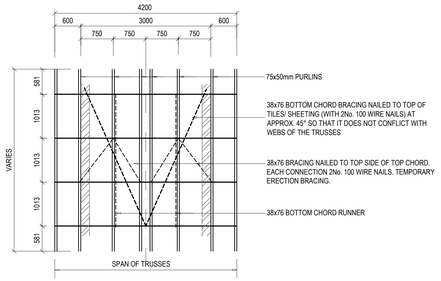
SECTION B

1:50



PLAN VIEW

SCALE 1:50



PLAN VIEW OF ROOF

SCALE 1:50

STRUCTURAL NOTES

1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWING NUMBERS WHERE APPLICABLE AND ANY DISCREPANCIES MUST BE REPORTED IMMEDIATELY.
2. MAX. DESIGN FOUNDATION BEARING PRESSURE IS 50kPa.
3. CONCRETE CLASS AND 28-DAY CONCRETE CUBE COMPRESSIVE STRENGTH: FOUNDATIONS CLASS 19/30 30MPa.
4. CLADDING AND FINISHES TO ARCHITECTURAL NOTES.
5. ALL REINFORCEMENT TO BE TYPE C HIGH TENSION STEEL. CHARACTERISTIC STRENGTH = 410MPa
6. PROVIDE A 50mm BLINDING LAYER UNDER ALL FOOTINGS. CONCRETE CLASS 15/19, 15MPa.
7. ALL FILL OVER FOOTINGS TO BE SELECTED SUB-GRADE QUALITY MATERIAL COMPACTED TO 93% MOD AASHTO DENSITY.
8. ALL CONCRETE WORK TO BE SANS 1200.
9. ALL TIMBER TO BE SA PINE-GR-M6 TIMBER.
10. NB: ALL FACE BRICKS ARE TO BE SANS 227 OR EQUIVALENT STANDARD, APPROVED FOR DESIGNATION FBS, (FACE BRICK STANDARD), COLOURS AS PER THE EXISTING GUARDHOUSE COLOURS.

PLUMBING NOTES

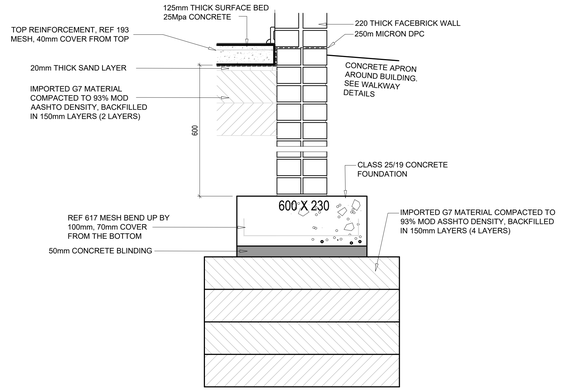
1. THIS DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SPECIFICATIONS AND INSTRUCTIONS FOR THIS PROJECT.
2. REFER TO THE ARCHITECTURAL NOTES FOR FIXTURE NOTES.
3. THE ROUTE OF THE HYDRAULIC SERVICES PIPEWORK SHOWN ON THIS DRAWING IS INDICATIVE. FINAL POSITIONING OF PIPEWORK IS TO BE DETERMINED ON SITE AND COORDINATED WITH OTHERS.
4. ALL SEWER PIPING TO BE PVC CLASS 6.
5. 90° BENDS TO BE DONE WITH SLOW BENDS.
6. SEWER PIPING TO BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
7. SIZING OF PIPING IS FOR NOMINAL DIAMETER.
8. ALL HOT AND COLD WATER SUPPLIES BRANCHING OFF FROM THE MAIN LINES TO BE FITTED WITH PRESSURE REDUCING VALVES SET TO 300KPA.
9. ALL WATER PIPING UP TO 100Ø NB TO BE GALVANIZED MILD STEEL WITH GROOVED FITTINGS AND CLAMB-ON JOINTS.

ROOF NOTES

1. 114 x 38 SA PINE WALL PLATES AT 2550 FROM FINAL FLOOR LEVEL.
2. 152 x 38 SA PINE TRUSSES AT A 26 DEGREE ANGLE PLACED 700mm c/c
3. 38 x 38 SA PINE ROOF PURLINS PLACED AT 340mm c/c.
3. 125 X 125 GALVANIZED STEEL GUTTERS AND 75mm DIAMETER RAINWATER DOWNPIPES.
4. 38 x 38 SA PINE CEILING PURLIN.
5. 6.4mm THICK GYPSUM CEILING BOARDS WITH CORNICES AND EDGING.

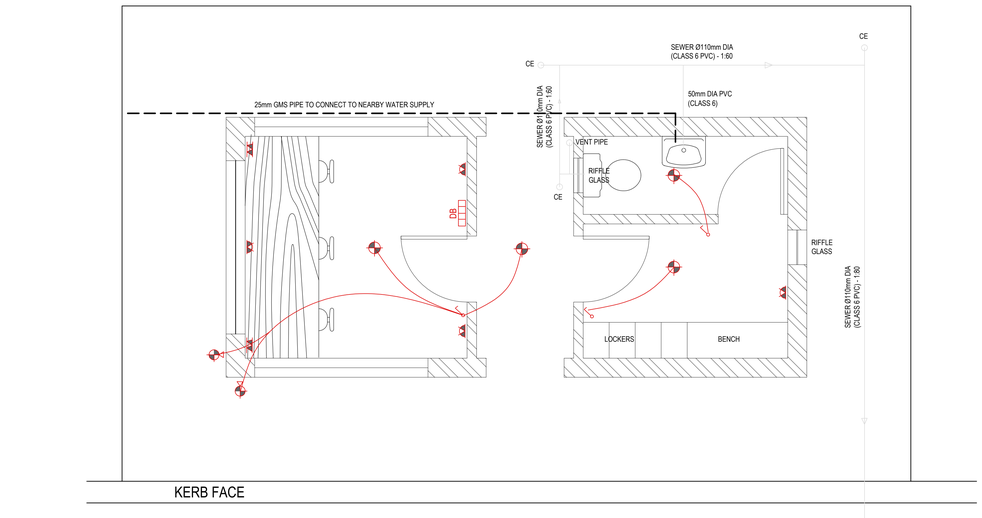
ARCHITECTURAL FINISHES

FLOOR	
VINYL TILES	300x300x2.5mm SEMI FLEXIBLE FLOOR TILES: ALLOW FOR TWO COLOUR PATTERN ON CEMENT SCREED
MERANTI SKIRTING BOARD	19x76mm MERANTI SKIRTING BOARD: WITH 19mm QUARTER ROUND NAILED TO WALL. ALL NAILS TO BE PUNCHED AND FILLED. FINISH WITH 2 COATS CLEAR EGGSHELL POLY-URETHANE VARNISH.
WALLS	
PLASTER AND PAINT (EGGSHELL)	PLASTER AND PAINT: ALL WALLS FINISHED WITH ONE COAT PLASTER AND PAINTED WITH ONE COAT ALKALINE RESISTANT PRIMER, ONE UNIVERSAL UNDERCOAT AND TWO COATS EGGSHELL ENAMEL PAINT.
WINDOW CILLS	
BRICK ON EDGE	BRICK ON EDGE WINDOW CILL: ALL JOINTS TO BE FLUSH HALF ROUND POINTED JOINTS.
CEILING	
6.4mm GYPSUM CEILING BOARD	6.4mm GYPSUM CEILING BOARD AS DESCRIBED ON ROOF PLAN. FINISH: TWO COATS "SEMI-GLOSS" PVA OF APPROVED COLOUR TO COMPLY WITH SABS 634 "CO-POLYMER" OR EQUIVALENT STANDARD. TREAT ALL NAILS & JOINTS WITH ONE PRIMER COAT. BRANDERING AS DESCRIBED ON ROOF PLAN.
CEILING INSULATION	50mm FIBREGLASS CEILING INSULATION: LAID ACCORDING TO MANUFACTURER'S SPECIFICATION.
S.A. PINE CORNICE	19x50mm S.A. PINE CORNICE: LAID FLAT AND FINISHED WITH 1 UNIVERSAL UNDERCOAT AND 2 COATS ENAMEL PAINT.
SANITARY FITTINGS	
WC	VITREOUS CHINA CISTERN WITH VALVE FITTING WC SUITE: WHITE 90° VITREOUS CHINA PAN AND P-TRAP WITH WHITE HEAVY DUTY SINGLE PLASTIC FLAP SEAT. 9 LITRE LOW LEVEL WHITE
WHITE GLAZED PORCELAIN WHB	APPROVED WHITE C.I. PORCELAIN ENAMELED WHB. ON HALF CONCEALED SUPPORTS. WHB SET WITH 31mm CHROMIUM PLATED WHB OUTLET, WITH PLUG, CHAIN, ANCHOR AND 32mm BACK NUT COMPLETE. PROVIDE ONE CHROMIUM PLATED PILLAR TAP AS APPROVED. PROVIDE BLACK SOFT RUBBER P TRAP.

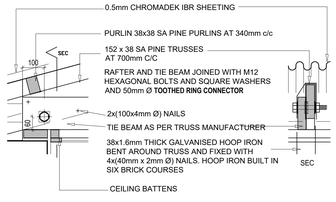


FOUNDATION DETAIL

SCALE 1:10

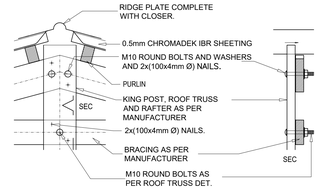


ELECTRICAL LEGEND:	
	LIGHT SWITCH
	CEILING LIGHT POINT
	WALL LIGHT POINT
	DOUBLE WALL PLUG: 1100mm HIGH
	DOUBLE WALL PLUG: 300mm HIGH
DB	DEVISION BOARD



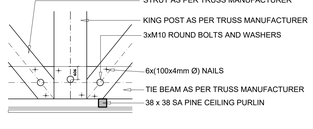
DETAIL 10
RAFTER/TIE BEAM JUNCTION

SCALE 1:5



DETAIL 11
TYPICAL RIDGE JUNCTION

SCALE 1:5



DETAIL 12

SCALE 1:5

NOTES

1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
3. ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL.
4. DRAWINGS MUST BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND GENERAL NOTES DRAWINGS.
5. IF APPLICABLE, DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.

LOCALITY



LEGEND

SYMBOL	DESCRIPTION

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
E2	FOR TENDER	RR	HVDM	HVDM	18 07 25
E1	FOR TENDER	RR	HVDM	HVDM	26 06 25

REVISIONS

This Document including all design and information therein is Confidential Intellectual Property of Transnet. Copyright and all other rights are reserved by Transnet. This Document may only be used for its intended purpose.

ZUTARI
IMPACT. ENGINEERED.

CONTRACTOR / CONSULTANT

TITLE	NAME	SIGN	DATE
DRAWN	STANDARD DRAWING		18 07 25
CHECKED	STANDARD DRAWING		18 07 25
DESIGNED	STANDARD DRAWING		18 07 25
CHECKED	STANDARD DRAWING		18 07 25

PR.ENG. / PR.TECH./PR. ARCH

NAME	H. VAN DER MERWE	DATE
SIGNATURE		18 07 25
REG. NUMBER	201270225	
TITLE	Pr. Tech/Eng	

TRANSNET NATIONAL PORTS AUTHORITY

TITLE	NAME	SIGN	DATE
DRAWN			
CHECKED			
DESIGNED			
CHECKED			

PR.ENG. / PR.TECH./PR. ARCH

NAME	DATE
SIGNATURE	
REG. NUMBER	
SCALE	AS SHOWN

TRANSNET

Transnet National Ports Authority

TRANSNET SOC Ltd : REG No. 1990/000900/30
NEWARK ROAD
RICHARDS BAY TEL: 035 788 0067
PO BOX 181, RICHARDS BAY 3900, SOUTH AFIRCA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE (REPAIRS TO PORT ROADS)
SECURITY GAURDHOUSE DETAILS

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-05-VT-CC-D001	T2