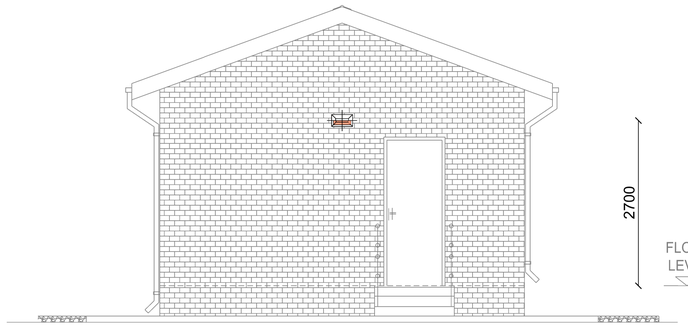
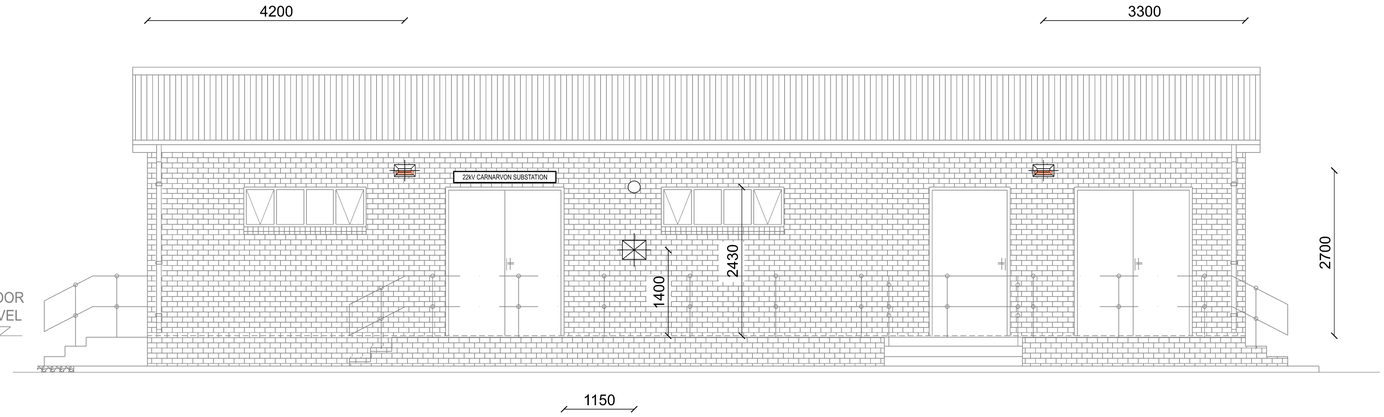
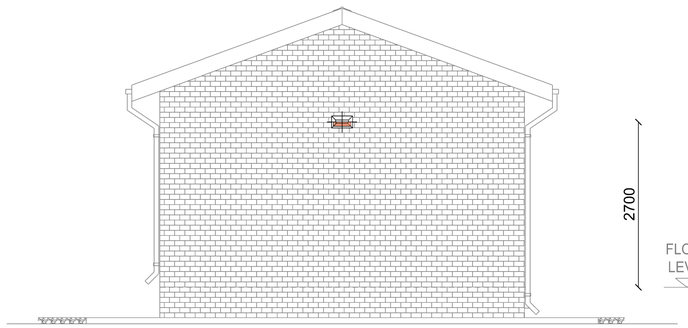


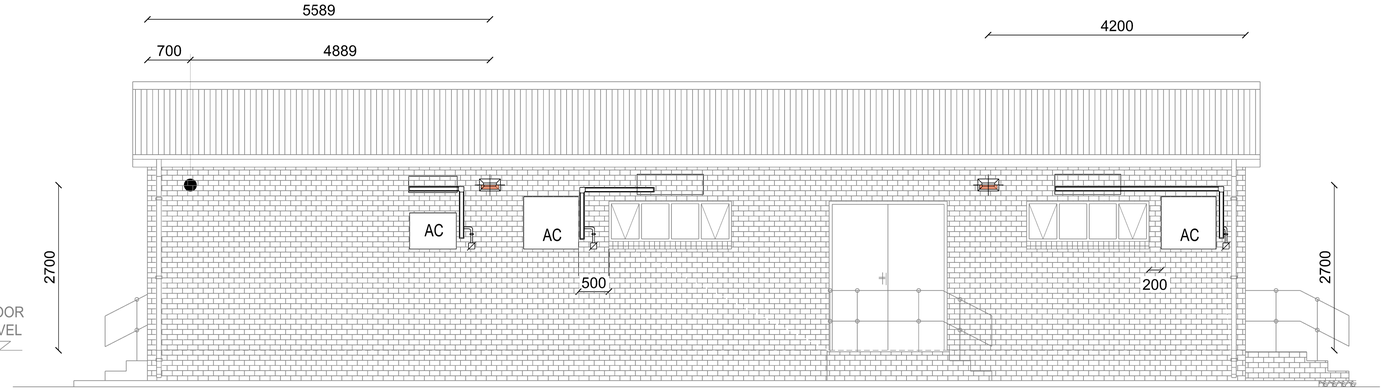
WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION

NOTE:
PAINTED (COLOUR TBC) GALVANISED TRUNKING TO HOUSE ALL HVAC PIPING AND CABLING ON THE OUTSIDE - COMPLETE WITH END CAPS AND 90 DEGREE ANGLES. GREY KOPEX BETWEEN TRUNKING AND ROTARY ISOLATORS SUPPORTED BY HOSPITAL SADDLES. WIRING FROM TRUNKING TO AIR-CONDITIONER UNIT IN KOPEX. CONDENSATE PIPING TO BE WHITE PVC ROUTED IN GALVANIZED TRUNKING. PIPE TO END AT SAME HEIGHT AS AC UNIT WITH SLIGHT BEND AND ANGLED END.

ONLY ADJUSTABLE GALVANIZED OR WHITE AIR-CONDITIONER BRACKETS TO BE ALLOWED.

ISSUED FOR TENDER

LEGEND

SYMBOL	DESCRIPTION
	BEKA SERIES 40 BULKHEAD BLACK 411261x26W CLEAR PRISMATIC
	EXTINGUISHANT RELEASE CONTROL PANEL
	SOUNDER BEACON
	PHOTO CELL IN EMPTY HERHOLDTS B10/CLR BULKHEAD FITTING
AC	AIR CONDITIONER UNIT
	20A DP ROTARY WEATHERPROOF ISOLATOR

REFERENCE NOTES

ABBREVIATIONS:

AFFL = ABOVE FINISH FLOOR LEVEL
BFFL = BELOW FINISH FLOOR LEVEL
NGL = NEW GROUND LEVEL
WP = WEATHERPROOF
CV = CEILING VOID
C = CEILING MOUNTED
EX = EXISTING
EC = ELECTRICAL CONTRACTOR
MC = MAIN CONTRACTOR
S = SURFACE MOUNTED
SC = SPECIALIST CONTRACTOR
LL = LOW LEVEL
HL = HIGH LEVEL
WMT = WIRE MESH TRAY
SDDR = POWER SKIRTING DROP DOWN RECESS (VIA RECESSED PVC CONDUIT) FINAL WALLBOX HEIGHT DEPENDENT ON @ (DADO) OR Ⓢ (SKIRTING)
SDDS = POWER SKIRTING DROP DOWN SURFACE (VIA SURFACE POWER SKIRTING ON WALL)
STC = SLOW TRIP CURVE
S = DENOTES POWER SKIRTING MOUNTED @ SKIRTING LEVEL.
D = DENOTES POWER SKIRTING(DADO) MH AS 600mm AFFL UNLESS OTHERWISE INDICATED.

1. On site coordination and installation sequence with other disciplines & trades are the responsibility of the Electrical contractor.
2. The complete installation shall comply to the latest version of SANS 10142 - 1 and be supervised by a Registered Installation Electrician on a full time basis.
3. It is the contractor's responsibility to get confirmation of all positions of equipment in time to avoid delaying other trades.
4. General mounting heights (MH) of equipment, unless specifically noted otherwise:
   - Low level power / data / telecom & multi - outlets = 450mm AFFL
   - Above worktops in kitchen & breakout areas = 1250mm AFFL
   - High level isolators / TV outlets = 300mm below ceiling level.
   - Light switches, card readers & other access control equipment = 1100 AFFL.
5. Where new plugs / light switches are to be installed into face brick walls, conduits shall be built into walls to avoid cutting of face brick or else chase work shall be done on opposite side of wall in plastered wall. Cut-out for wall box shall be precisely drilled to avoid patching in face brick. All brick behind faceplates shall be properly sealed to avoid touch finger openings.
6. All fittings to be supplied c/w lamps.
7. All lighting in a zone to be fed from same phase; where this is not possible, separate switches for separate phase to be in separate wall boxes and clearly marked with phase colour behind face plate.
8. All mechanical loads to be confirmed with appointed mechanical contractor. Thus all isolators, upstream cabling, switchgear and switch sizes subject to change based on mech information received and it is the EC's responsibility to verify each item for correctness prior to ordering and installation thereoff. Conduits to S15/F04 isolator boxes shall be flush in walls in new build walls, and the exact height to be marked out by equipment supplier prior to first fix.
9. Bonding & Earthing:
   All metallic parts that may become alive shall be bonded, incl. trays, trunking, skirting's, pipe work, fire hose reels, mechanical plant, railings etc.

SCALE 1:50 @ A1
SCALE 1:100 @ A3

REVISIONS

REVISION	DATE	DESCRIPTION
A	01 OCT 2020	ISSUED FOR COMMENT
B	13 NOV 2020	ISSUED FOR TENDER

REFERENCE DRAWINGS

DATE	DRAWING NUMBER	DESCRIPTION

tcb engineering
657 LONG STREET 8730 DOUGLAS | TEL: 082 825 6146

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	NAME	DATE
DRAWN	A. TOERIEN	NOV 2020
DESIGNED	A.J. JOOSTE	NOV 2020

PROFESSIONAL APPROVAL
PROFESSIONAL ENGINEER
NAME: A.J. JOOSTE
SIGNATURE:
REGISTRATION NUMBER: 20160581
DATE: 13 NOVEMBER 2020
MASTER COPY KEPT AT TCB ENGINEERING OFFICES BEARS THE SIGNATURE OF APPROVAL

CLIENT
KAREEBERG MUNICIPALITY
HANAU STREET
CARNARVON

CLIENT APPROVAL
CLIENT STAMP:

CARNARVON SUBSTATION

BUILDING ELEVATIONS

SHEET SIZE	PROJECT NUMBER	BUILDING NAME	LEVEL	SERVICE	DRW. NR.	SHEET	REVISION
A1	K061	-------	---	LGT	061	OF 1 -	B