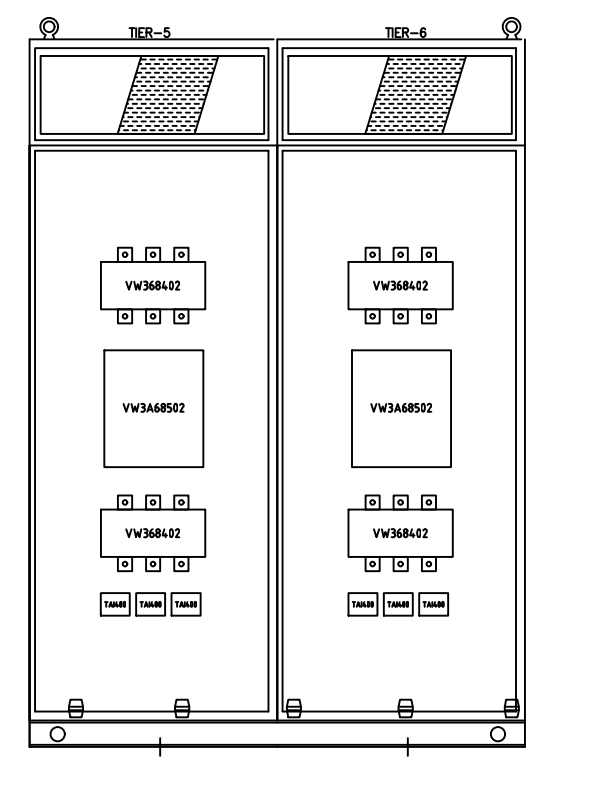
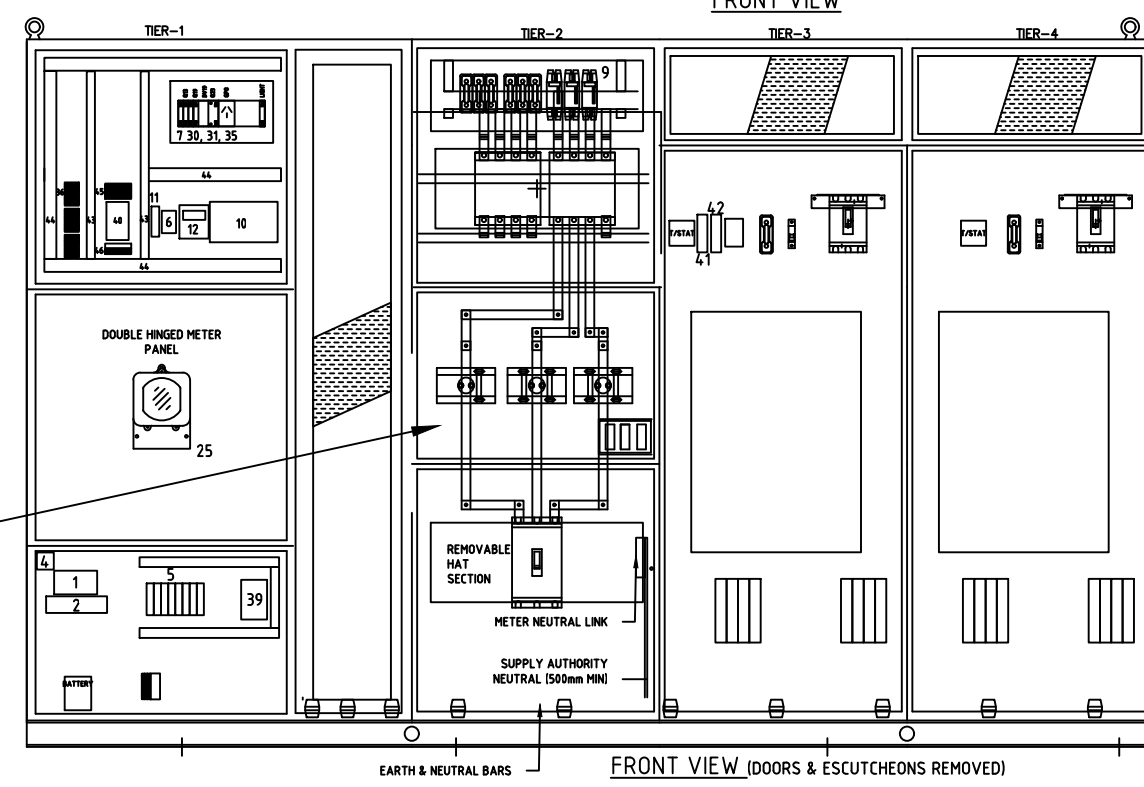
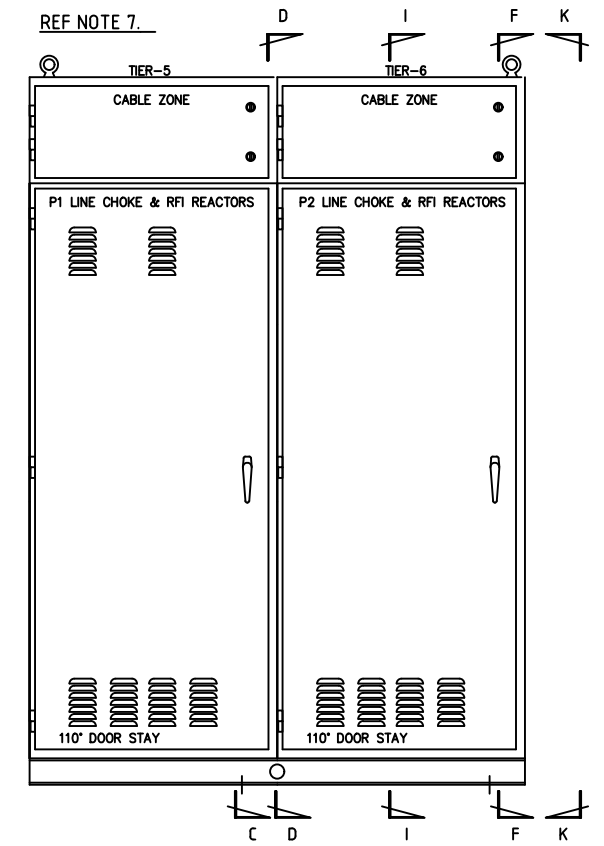
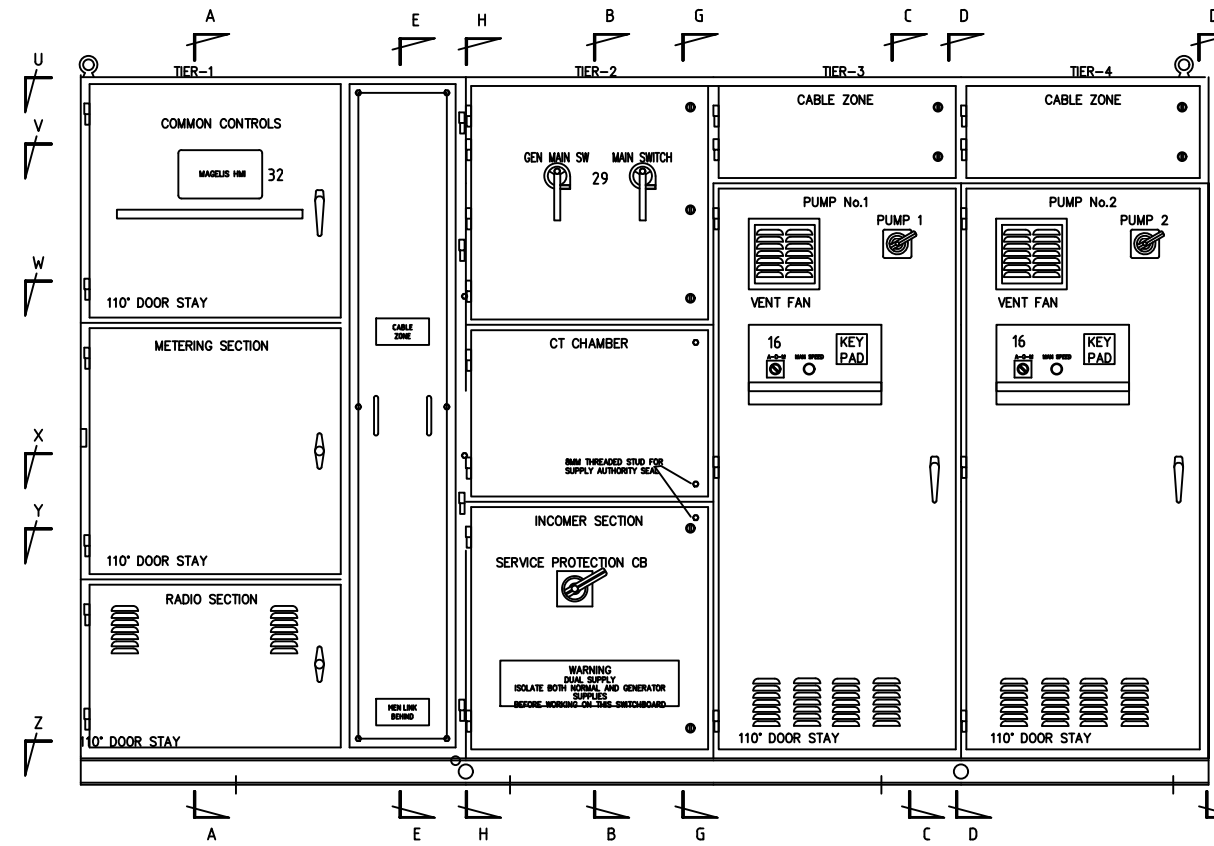


# CONSTRUCTION DETAILS

RESTRICTIONS	REFER TO SITE SPECIFIC SPECIFICATIONS FOR HEIGHT AND WIDTH RESTRICTIONS
GEN SUPPLY	GENERATOR TERMINATION ENCLOSURE TO INCLUDE BUS BAR TERMINATION LINKS FOR ANCILLIARY POWER SUPPLY CONNECTION A MINIMUM TERMINATION SPACE OF 300mm REQUIRED FOR AUX SUPPLY CABLES.
CONSTRUCTION	FRONT CONNECTED, FLOOR MOUNTED. MACHINE FORMED AND WELDED.
MATERIAL	3.0mm MARINE GRADE (5083-H321) ALUMINIUM CUBICLE AND DOORS. 3.0mm MARINE GRADE (5083-H321) ALUMINIUM GEAR TRAYS.
DOORS	FITTED WITH CHROME PLATED BRASS PINTLE HINGES. CHROME PLATED L-HANDLE WITH 3 POINT LOCKING. CHROME PLATED T-HANDLES. SUPPLY AUTHORITY LOCKS. AND L&F 92268 KEYPED LOCKS. STAINLESS STEEL DOOR STAYS MIN. 110deg OPENING. CHROME PLATED 1/4 TURN COIN LOCKS CT SECTION TO HAVE ACORN NUTS WITH COUNTRY ENERGY SEALABILITY.
STIFFENING	ALL DOORS OVER 1000mm HIGH.
DOOR SEALS	NEOPRENE RUBBER AROUND EACH DOOR.
ESCUTCHEONS	FITTED WITH CHROME PLATED BRASS PINTLE HINGES. CHROME PLATED 1/4 TURN COIN LOCKS
VENTS	FITTED WITH STAINLESS STEEL VERMIN PROOF MESH.
PLINTH	BOLT ON 75x 40x 5mm ALUMINIUM CHANNEL WITH 13mm DIA HOLES IN LOWER FRONT & REAR FLANGES FITTED WITH TUBES FOR LIFTING.
CABLE ENTRIES	BOTTOM ONLY AS SHOWN.
GLANDPLATES	3mm ALUMINIUM WITH 6mm EARTH STUD.
FASTENERS	AISI 316 GRADE STAINLESS STEEL NUTS & BOLTS.
LIFTING FACILITY	M16 EYE BOLTS SECURED TO M16 NUTS WELDED TO 50mm ANGLES.
FAULT LEVEL	35KA
SEGREGATION	FORM 3 TO AS 3439.1
PROTECTION	IP54 SPLASH PROOF TO AS 1939.
BUSBARS	ROUNDED-EDGE HDHC COPPER TO AS 3439. PHASE COLOURED HEAT SHRINK AT 300mm INTERVALS.
BUSBAR JOINTS	ALL BUSBAR JOINTS TO USE HIGH TENSILE BOLTS
FINISH	LINISHED. OR POWDER COATING
PREPARATION	CLEAN, DEGREASE AND GRIND SMOOTH
EXTERNAL COLOUR	NATURAL. (ELECTRICAL ORANGE IF POWDER COATED)
INTERNAL COLOUR	NATURAL. (GLOSS WHITE IF POWDER COATED)
EQUIPMENT PANELS	GLOSS WHITE TO AS 2700.
ESCUTCHEONS	GLOSS WHITE TO AS 2700.

# NOTES:

- GA OF SWITCHBOARDS TO BE USED AS A GUIDE TO MANUFACTURE, LAYOUT AND DESIGN
- A COMPLETE SET OF PROPOSED SWITCHBOARD DESIGN DRAWINGS TO BE SUPPLIED TO AND APPROVED BY TSC PRIOR TO CONSTRUCTION.
- WHERE THE DRIVE AND RFI FILTERS CAN BE INSTALLED IN A COMMON MODULE, TEIRS 5 AND 6 MAY BE OMITTED WITH WRITTEN APPROVAL FROM TSC.
- ALL ENCLOSURES TO BE TYPE TESTED TO A MINIMUM FAULT LEVEL OF 35KA.
- SPECIFIC SITE FAULT LEVELS TO BE ESTABLISHED PRIOR TO CONSTRUCTION.
- VSD AND / OR SOFT STARTER KEY PADS TO BE MOUNTED ON PANEL DOORS.
- HARMONIC FILTERS, CHOKES & ASSOCIATED EQUIPMENT NOT REQUIRED FOR SOFT STARTERS
- INDIVIDUAL CABINET LIGHTING MUST BE SWITCHED ON CORRESPONDING CABINET DOOR SWITCH OPENING, NOT THE LIGHT ITSELF.



ISSUE	AMENDMENT DETAILS	Drawn	Checked	Approved	Date
00	ORIGINAL ISSUE			D.F	3.8.12
01	AMENDED ISSUE RELEASED FOR PUBLICATION	E.K	P.B	D.F	13.08.13
02	UPDATED PART REF NUMBERS, ADDED NOTE 8, SHEET NAME	P.B	D.R	J.G	20.08.20

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DRAWN:	<i>[Signature]</i>
APPROVED:	<i>[Signature]</i>
SCALE	NTS
ACAD FILE No.:	

PROJECT:	SEWAGE PUMP STATIONS ELECTRICAL STANDARD DRAWINGS	DRAWING NUMBER:	SD-820B/14
PLAN TITLE:	SWITCHBOARD CABINET - BUILDING -15.5kW (ATS OR ATV) DETAILS SHEET 1 OF 3	SHEET	14 OF 19
		REV	02
		DATE	20/08/2020