

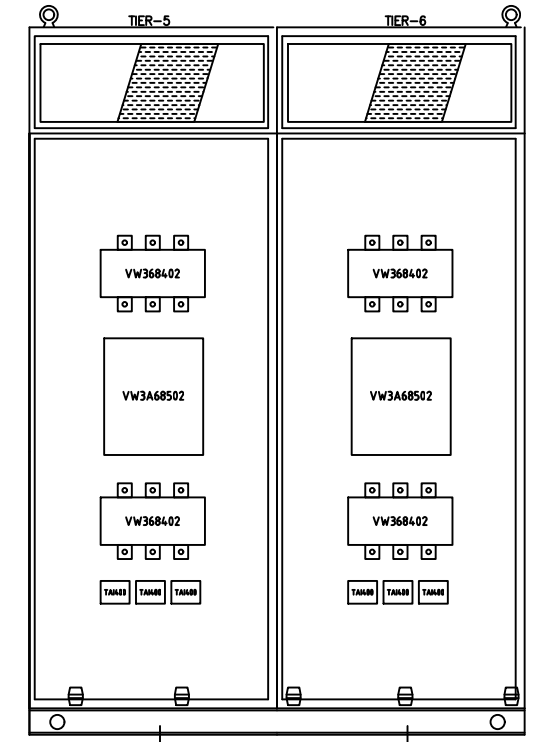
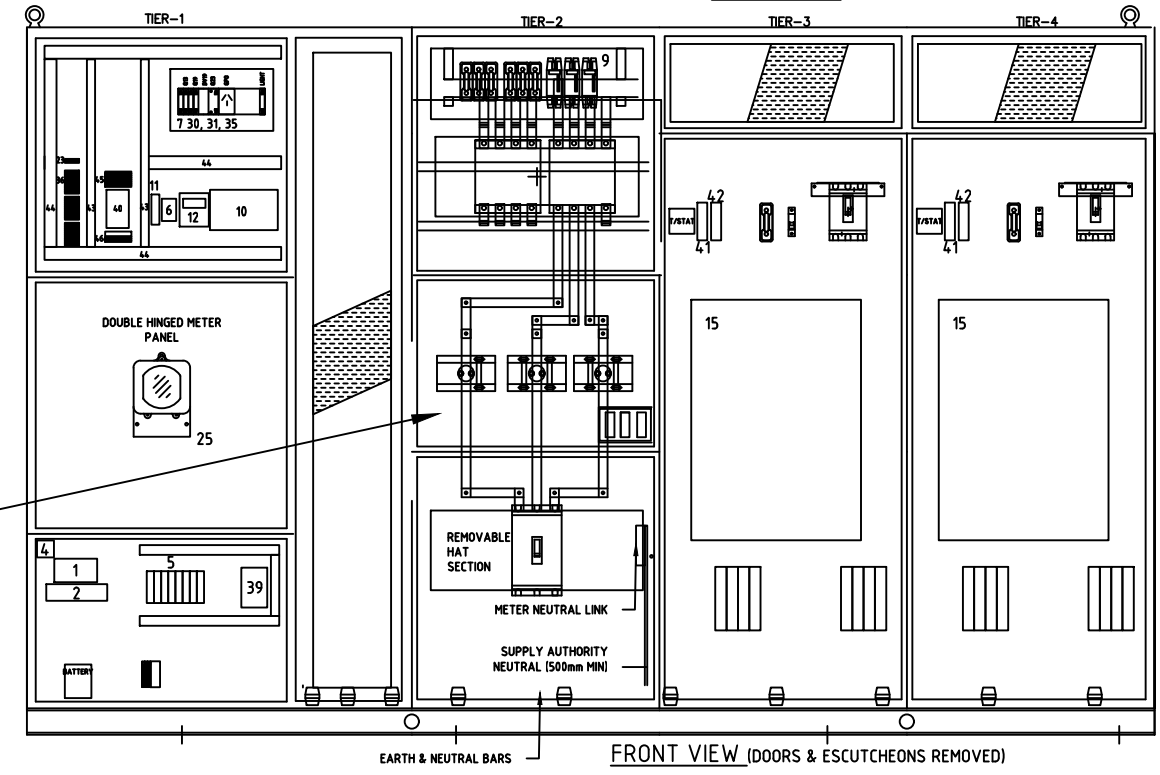
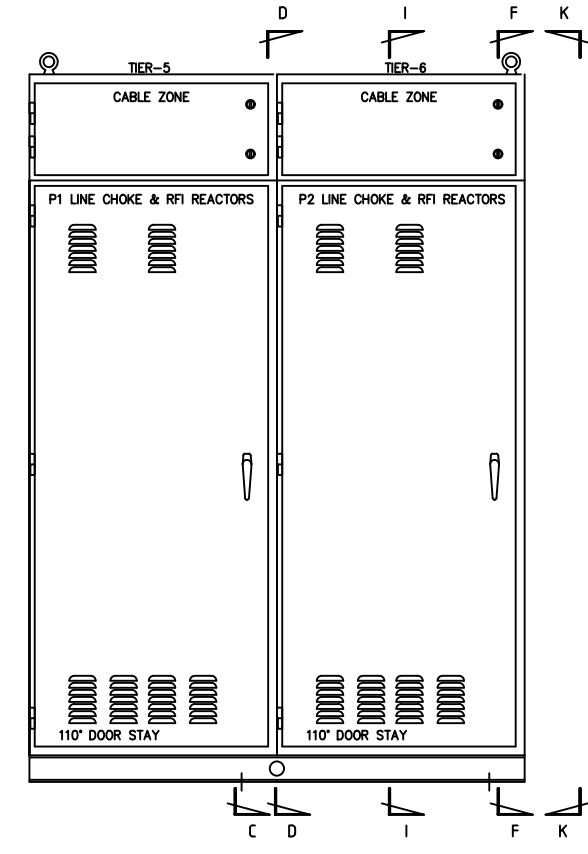
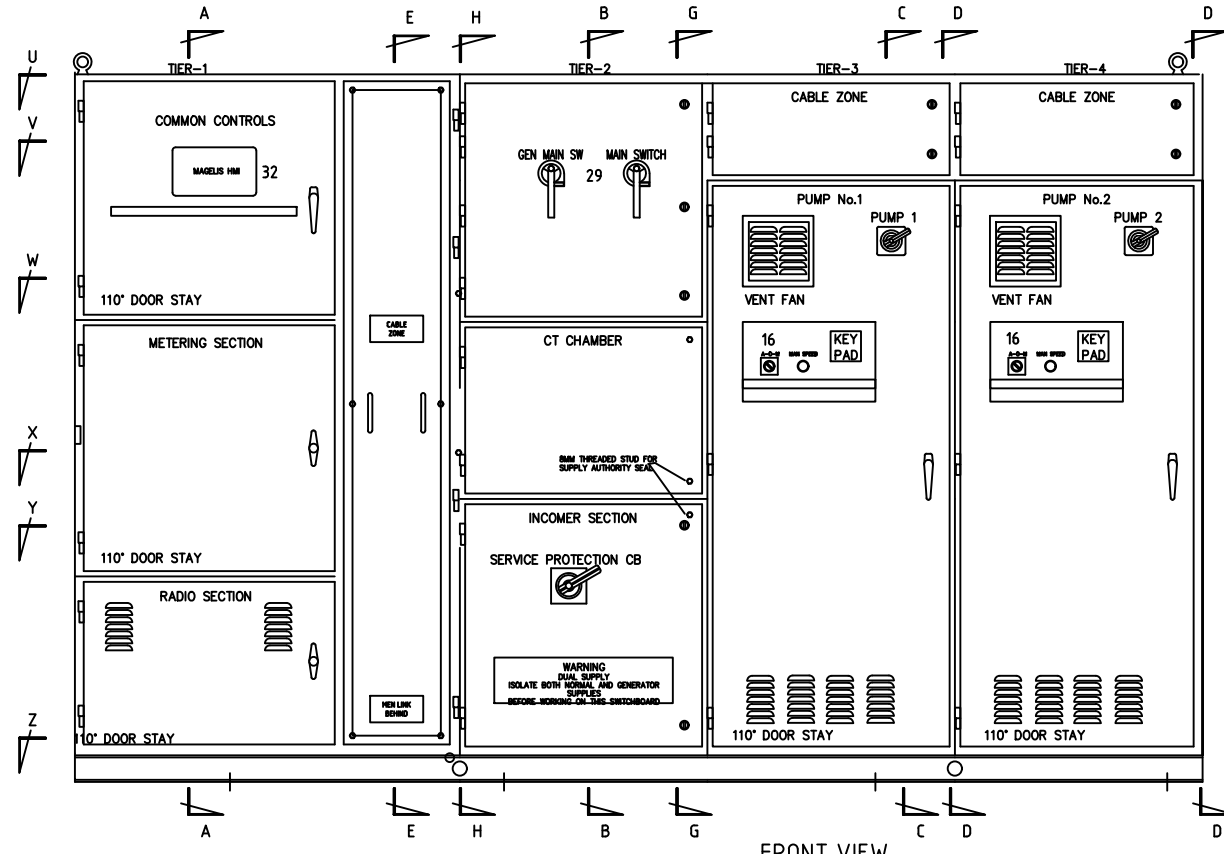
EQUIPMENT SCHEDULE

1	10A TELEMETRY POWER SUPPLY-TYPE RFI INDUSTRIES SME 240-12-10
2	TELEMETRY RADIO - TYPE SCNEIDER Q SERIES - QR450
3	TELEMETRY SURGE DIVERTER POLYPHASE TYPE IS - B50LN - C2
4	DOOR SWITCH - SCHNEIDER ZCP21, ZCY45, ZCPEP16, ZCE01 (NOTE 3)
5	8x MOELLER PLS6 RCD/CIRCUIT BREAKERS RATINGS AS PER SCHEMATIC(S) SD-820/02, SD-820/03, & SD-820/05
6	MULTITRODE MTR-6 12VDC OVERFLOW TRODE RELAY
7	1 X 2 POLE 16A RCD/MCB
8	CRITEC DINLINE SURGE FILTER - DSF-6A-275V
9	NOVARIS SDD3-100-275-A + HAGER VM04C ENCLOSURE (BEHIND PANEL)
10	SCHNEIDER SCADA Pack RTU,TBU P357-EA55-AB00
11	PANASONIC (AFP0R-C14RS) PLC BACKUP CONTROLLER
12	ULTRASONIC - PULSAR BLACKBOX 130D110000XX-XOP + DB10 (TRANSDUCER)
13	TERMINALS FOR MODBUS CONNECTIONS + PROTECTIVE EARTH (TB6)
14	PUMP ISOLATOR + OVERLOAD - KLOCKNER MOELLER PKZM4-XX OVERLOAD, SHORT CIRCUIT TRIP & ON/OFF POSITION CONTACTS ARE ON PKZ4M-XX ISOLATOR OR NZM1 TO NZM4 SERIES IF LARGER
15	SOLID STATE STARTERS AS PER KW RATING - TYPE SCHNEIDER ALTISTART 48 SS OR SCHNEIDER ALTIVAR 61 VSD
16	HAND / AUTO SWITCH (ZB4BG2) - (KEY REMOVABLE IN AUTO ONLY) COLLAR (ZB4BZ079), 3x N/O (ZBE-101), 2x N/C (ZBE-102)
17	CT's-HAGER SRA00505 \ SRA01005 \ SRA01505 (SIZE DEPENDANT)
18	TERMINALS FOR CONNECTION TO PUMP ELECTRICAL LEADS (TB1, TB2)
19	TERMINALS FOR CONNECTION TO P.M.P (TB8)
20	TELEMETRY BATTERY - TYPE PANASONIC LC - X1228AP
21	TELEMETRY AERIAL - MODEL NO: YB6-61, 450-480 MHz TO BE MOUNTED ON RISER BRACKET ABOVE CABINET
22	CABINET LIGHT- SAL - PART NO: SL9726/20TC/DP
23	TERMINALS FOR VSD PRESENT SPEED REF TB8 REF SD-820/05 NOTE 3
24	
25	SUPPLY AUTHORITY POLY PHASE METER
26	3 X SUPPLY AUTHORITY SERVICE FUSES
27	SERVICE NEUTRAL LINK
28	CONSUMERS NEUTRAL LINK (BEHIND PANEL)
29	xxxA 4 POLE MAIN SW / GENERATOR CHANGE-OVER SW / ATS
30	18 POLE DISTRIBUTION CENTRE - EATON PE18ST
31	DIN MOUNT GPO 15A - HAGER SNO15DA
32	HMI - SCHNEIDER MAGELIS XBTGT-2930
33	MCC NEUTRAL LINK (INSIDE ENCLOSURE)
34	MCC EARTH LINK (INSIDE ENCLOSURE)
35	Q13, Q19, Q29, Q35 RATINGS AS PER SCHEMATIC SD_820/01
36	ELV TERMINAL BLOCK - SCHNEIDER NYSTRV42X (x=COLOUR) (TB3,4,5,7)
37	CLIPSAL 56A1532LE-GY 5 PIN INLET SOCKET (TO 15kW) OR 56A15550LE-GY (16-22.5kW), 56E4VH-GY (MOUNTING BACK BOX), 56CB4NM-GY (4 POLE MODULE WITH PROTECTIVE MEMBRANE). Q24 RATING TO SUIT AS PER SD-820/01
38	ALARM LIGHT, TOBIN SYF 130-12A 12VDC AMBER STROBE LIGHT
39	12 - 24VDC CONVERTER GB60-1224
40	POWER MONITOR ZEPTO D6 PFA8611-18 (18-60VDC)
41	ATC SEAL FAILURE RELAY (ATC 78562 24VDC).
42	SCHNEIDER LT3-SA THERMISTOR RELAY
43	75 X 25MM SLOTTED DUCT - HAGER DNG 7502507030B
44	75 X 50MM SLOTTED DUCT - HAGER DNG 7505007030B
45	PHOENIX RELAY + BASE PH02966896 PLC-BSC, PH02961150 PLC-RSC 12VDC
46	OMRON G2R-2-SNDI 24VDC (S) RELAY + BASE
47	

NOTE1: GA AND EQUIPMENT LIST FOR GUIDE ONLY REFER TSC ELECTRICAL SPECIFICATIONS (EL-00 TO EL-21) AND CONFIRMATION FROM TSC MECH/ELEC CO-ORDINATOR BEFORE BUILDING

NOTE3: ON BUILDING ENTRY DOOR(S)  
NOTE3: IF APPLICABLE

NOTE2: HARMONIC FILTERS, CHOKES & ASSOCIATED EQUIPMENT NOT REQUIRED FOR SOFT STARTERS..



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SCALE NTS  
ACAD FILE No.:

PROJECT: SEWAGE PUMP STATIONS  
ELECTRICAL STANDARD DRAWINGS  
PLAN TITLE: SWITCHBOARD GA & EQUIPMENT LIST  
- BUILDING >15.5kW (ATS OR ATV)

DRAWING NUMBER: SD-820B/13  
SHEET 13 OF 19  
REV 03  
DATE 20/08/2020

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	AMENDED PART NUMBERS & GA LAYOUT	E.K	P.B	D.F	27.04.15
03	AMENDED PART NUMBERS, GA LAYOUT & SHEET NAME	P.B	D.R	J.G	20.08.20

