

CITY OF GOLD COAST

S-XX-SPUMP-XXX SEWAGE PUMP STATION

COURTNEY DRIVE

STAGE 2

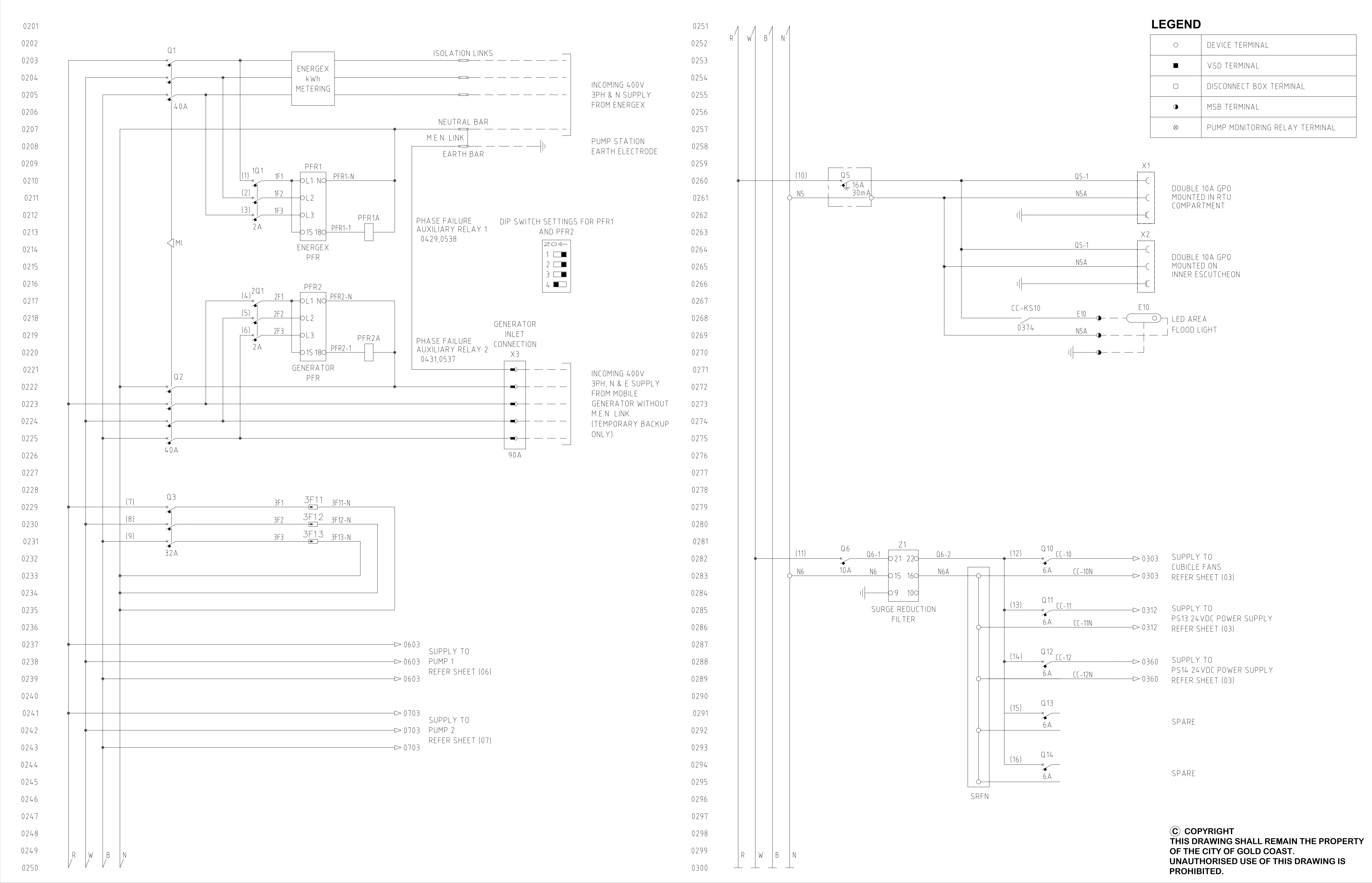
2 PUMP SPS - DOL STARTER 4.3kW

DRAWING INDEX

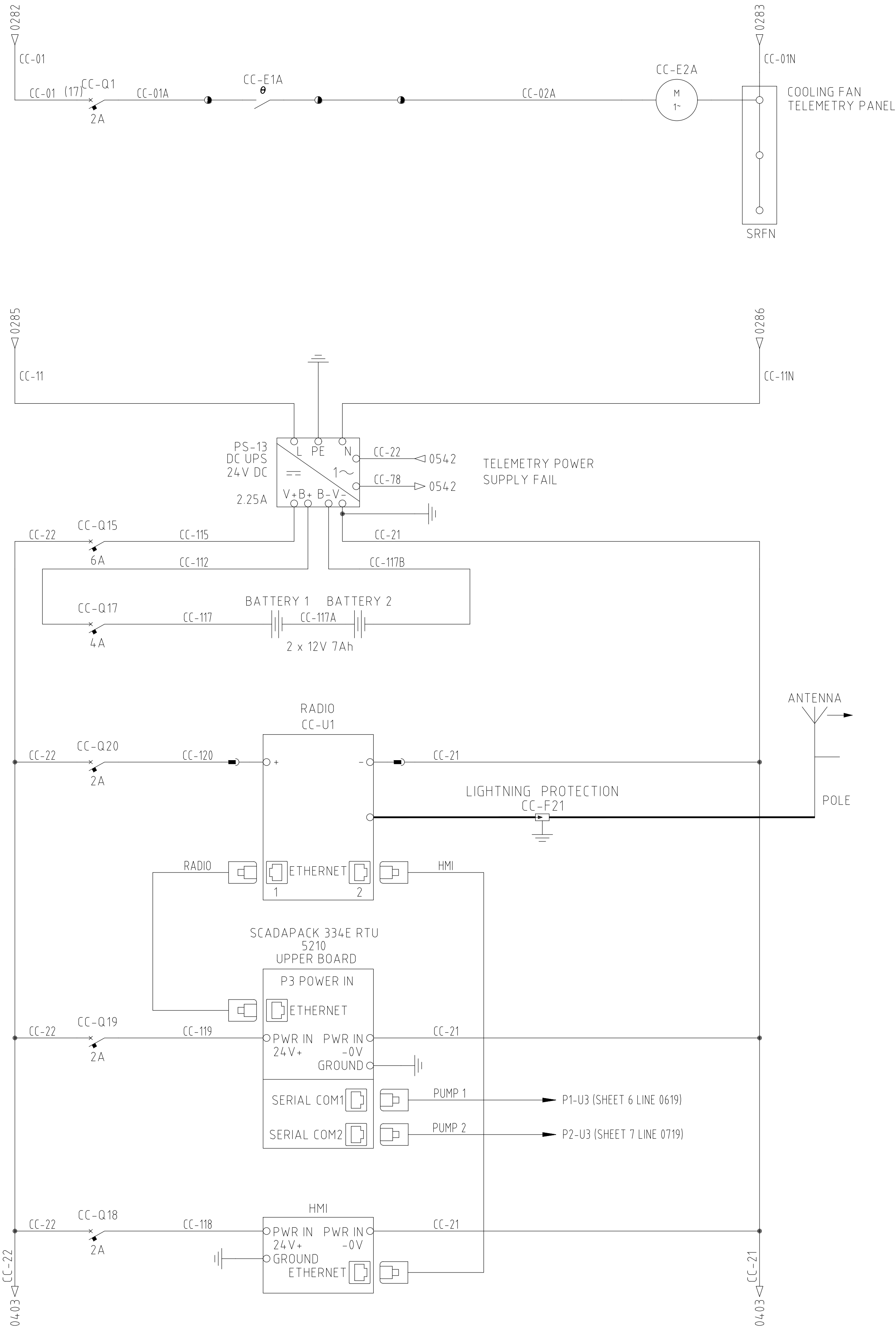
DRAWING INDEX								
DRAWING NUMBER	REVISION	CoGC PROJECT NUMBER	CoGC PROJECT RECORDS FILE	DRAWING TITLE				
				MAIN HEADING-LINE 1	MAIN HEADING-LINE 2	MAIN HEADING LINE 3	SUB-HEADING-LINE 1	SUB-HEADING-LINE 1
XXXXX.000	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	DRAWING INDEX	
XXXXX.001	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	MAIN SWITCHBOARD	SINGLE LINE DIAGRAM
XXXXX.002	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	MAIN SWITCHBOARD	POWER DISTRIBUTION SCHEMATIC WIRING DIAGRAM
XXXXX.003	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	COMMON CONTROL - RTU RADIO	SCHEMATIC WIRING DIAGRAM 1 OF 3
XXXXX.004	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	COMMON CONTROL - LEVEL CONTROL	SCHEMATIC WIRING DIAGRAM 2 OF 3
XXXXX.005	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	COMMON CONTROL - RTU	SCHEMATIC WIRING DIAGRAM 3 OF 3
XXXXX.006	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	PUMP 1 - DOL STARTER	SCHEMATIC WIRING DIAGRAM
XXXXX.007	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	PUMP 2 - DOL STARTER	SCHEMATIC WIRING DIAGRAM
XXXXX.010	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	MAIN SWITCHBOARD	NETWORK LAYOUT
XXXXX.011	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	MAIN SWITCHBOARD	GENERAL ARRANGEMENT 1 OF 2
XXXXX.012	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	MAIN SWITCHBOARD	GENERAL ARRANGEMENT 2 OF 2
XXXXX.015	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	MAIN SWITCHBOARD	CONSTRUCTION NOTES
XXXXX.016	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	MAIN SWITCHBOARD	EQUIPMENT SCHEDULE
XXXXX.017	A			S-XX-SPUMP-XXX SEWAGE PUMP STATION	COURTNEY DRIVE	STAGE 2	MAIN SWITCHBOARD	TELEMETRY POLE LOCATION

© COPYRIGHT
THIS DRAWING SHALL REMAIN THE PROPERTY
OF THE CITY OF GOLD COAST.
UNAUTHORISED USE OF THIS DRAWING IS
PROHIBITED.

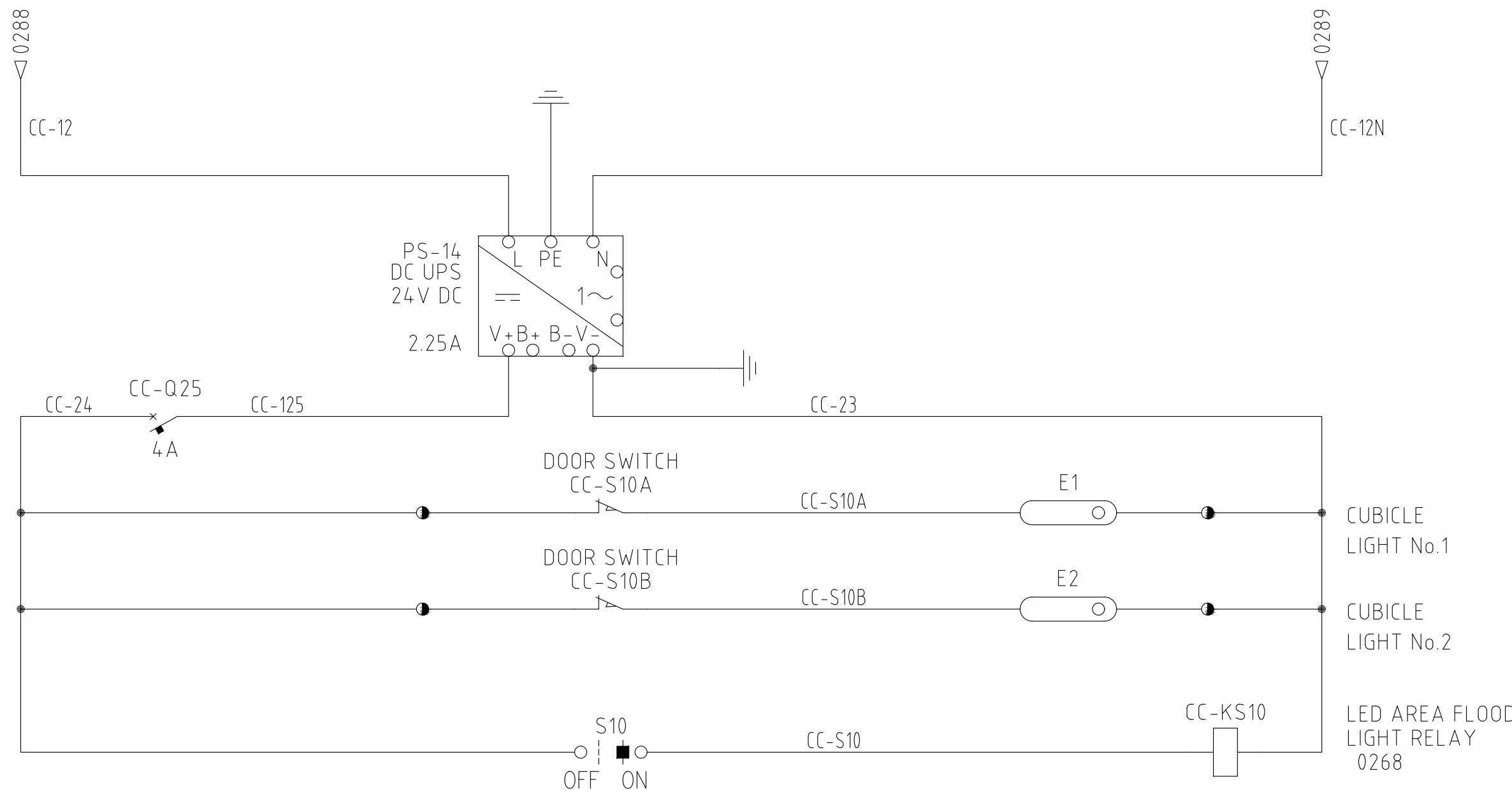
Project No.: OP20333	Design Project Officer .	Design Checked – Statutory Certifier								S-XX-SPUMP-XXX SEWAGE PUMP STATION COURTNEY DRIVE STAGE 2	Project Number	OP20333			
	Designed/Drawn BB	Signed: .										Sheet of	00 13	Issue	A
	CCCC Project Records File Number TBC	Drawing Checked Signed: .										GCCC Drawing Number			
	GCCC Project Identifier\–\CAD File Name OP20333 – COURTNEY DRIVE STAGE 2 SPS REV. A		A	ISSUED FOR REVIEW	B. BALUYOT	BB	11.04.24				XXXXXX.000				
	GCCC Contract Records File Number TBC		Issue	Description	Name	Initial	Date								
									Do not scale, use figured dimensions only	P0 Box 5042, Gold Coast MC 9729	DRAWING INDEX				



0301
0302
0303
0304
0305
0306
0307
0308
0309
0310
0311
0312
0313
0314
0315
0316
0317
0318
0319
0320
0321
0322
0323
0324
0325
0326
0327
0328
0329
0330
0331
0332
0333
0334
0335
0336
0337
0338
0339
0340
0341
0342
0343
0344
0345
0346
0347
0348
0349
0350



0351
0352
0353
0354
0355
0356
0357
0358
0359
0360
0361
0362
0363
0364
0365
0366
0367
0368
0369
0370
0371
0372
0373
0374
0375
0376
0377
0378
0379
0380
0381
0382
0383
0384
0385
0386
0387
0388
0389
0390
0391
0392
0393
0394
0395
0396
0397
0398
0399
0400



LEGEND

○	DEVICE TERMINAL
■	VSD TERMINAL
□	DISCONNECT BOX TERMINAL
●	MSB TERMINAL
⊗	PUMP MONITORING RELAY TERMINAL

RS485 COMM'S CABLE
PIN CONFIGURATION
FOR MOTOR STARTERS

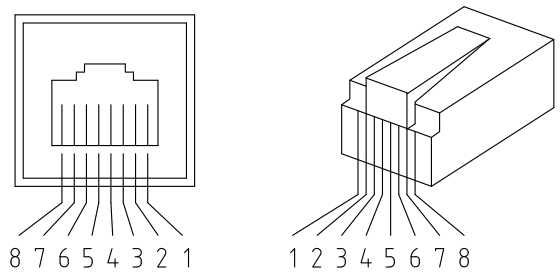
1	NOT USED	1
2	NOT USED	2
3	NOT USED	3
4	NOT USED	4
5	BLU/WHT	5
6	BLUE	6
7	NOT USED	7
8	NOT USED	8

RTU DOL / SOFT STARTER MODULE

ETHERNET COMM'S CABLE
PIN CONFIGURATION

RD+	1	GRN/WHT	1	RD+
RD-	2	GRN	2	RD-
TD+	3	ORG/WHT	3	TD+
	4	BLU	4	
	5	BLU/WHT	5	
TD-	6	ORG	6	TD-
	7	BRN/WHT	7	
	8	BRN	8	

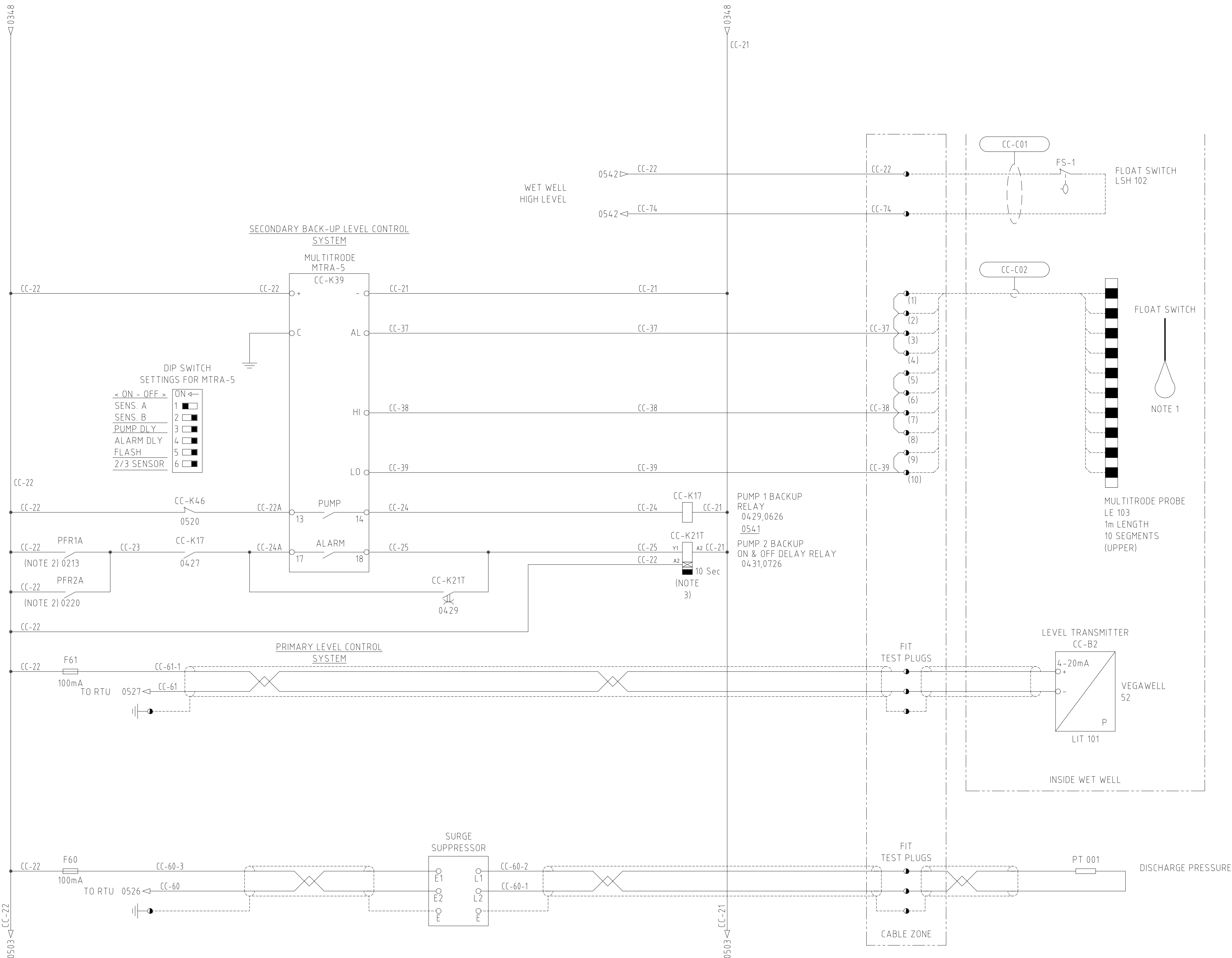
ETHERNET RJ-45 CONNECTOR
ORIENTATION LEGEND



© COPYRIGHT
THIS DRAWING SHALL REMAIN THE PROPERTY
OF THE CITY OF GOLD COAST.
UNAUTHORISED USE OF THIS DRAWING IS
PROHIBITED.

Project No.: OP20333		Design Project Officer .		Design Checked – Statutory Certifier Signed: ..																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
----------------------	--	-----------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

0401
0402
0403
0404
0405
0406
0407
0408
0409
0410
0411
0412
0413
0414
0415
0416
0417
0418
0419
0420
0421
0422
0423
0424
0425
0426
0427
0428
0429
0430
0431
0432
0433
0434
0435
0436
0437
0438
0439
0440
0441
0442
0443
0444
0445
0446
0447
0448
0449
0450



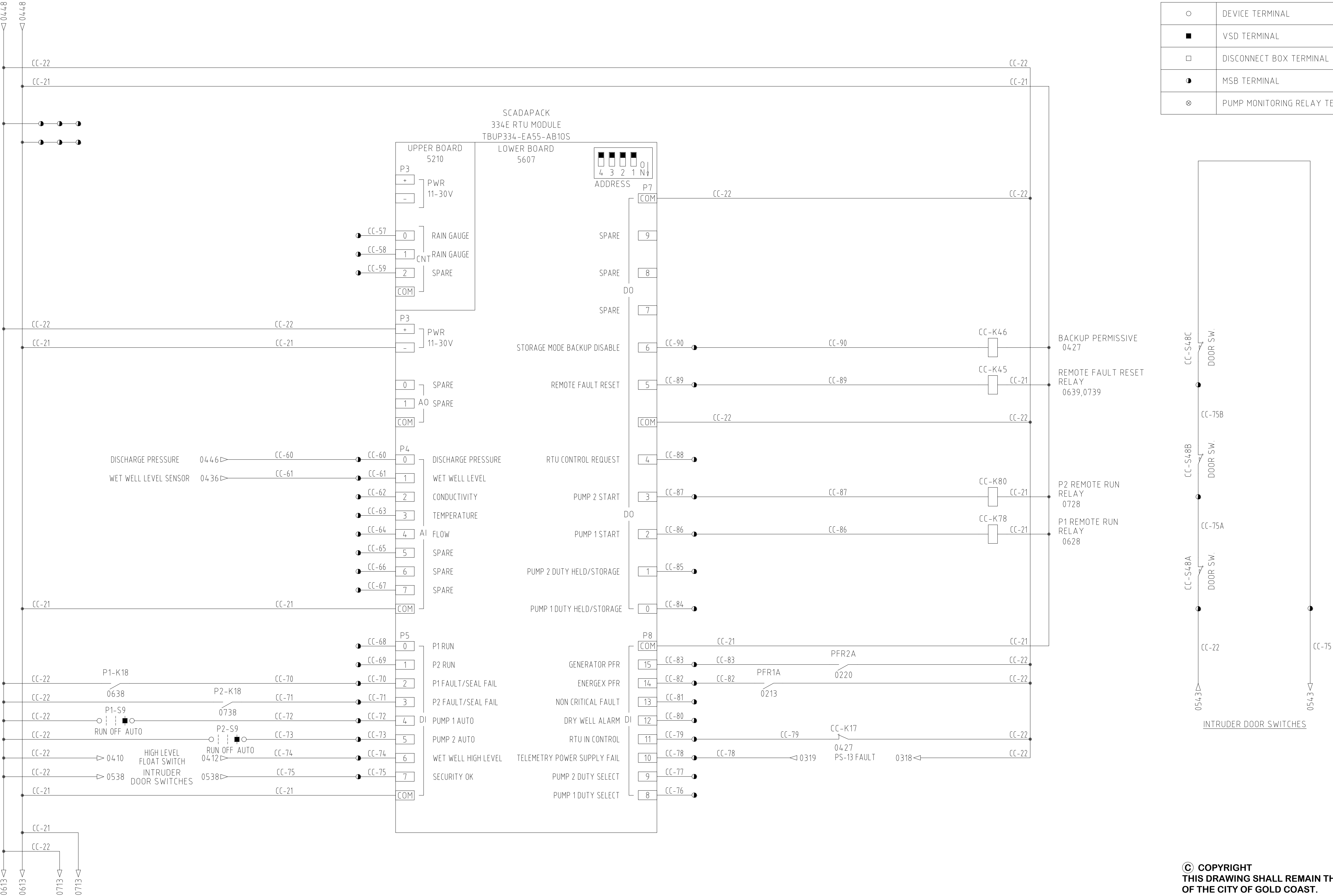
LEGEND

○	DEVICE TERMINAL
■	VSD TERMINAL
□	DISCONNECT BOX TERMINAL
●	MSB TERMINAL
⊗	PUMP MONITORING RELAY TERMINAL

- NOTES:
- FS-1 INSTALLED SO THE BOTTOM OF THE FLOAT IS LEVEL WITH SEGMENT 6.
 - ENERGEX PRF1A AND GENERATOR PFR2A CONTACTS ENSURES CC-K21T IS NOT ENERGISED DURING POWER OUTAGE.
 - TIMER CC-K21T SET ON (AC)

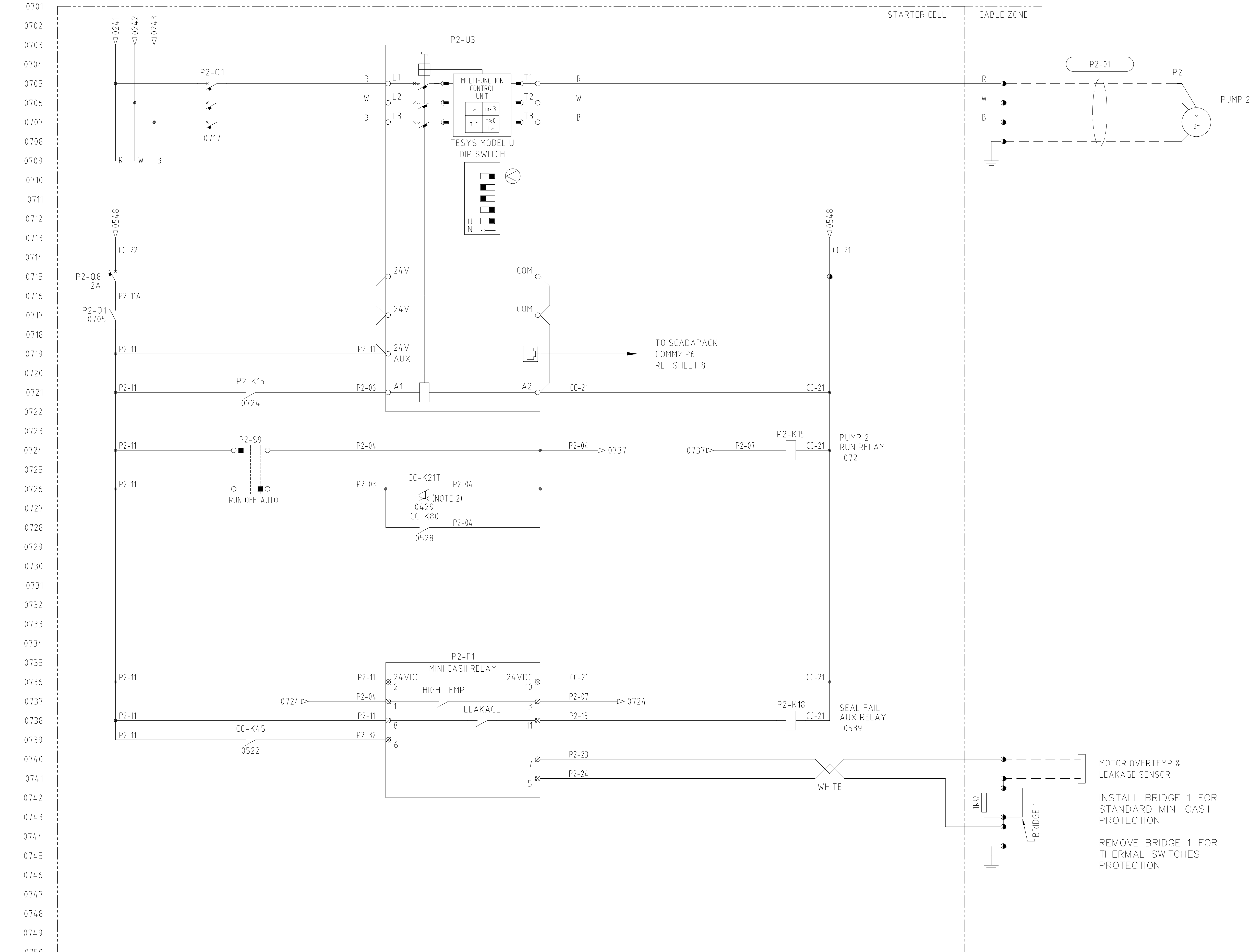
0501
0502
0503
0504
0505
0506
0507
0508
0509
0510
0511
0512
0513
0514
0515
0516
0517
0518
0519
0520
0521
0522
0523
0524
0525
0526
0527
0528
0529
0530
0531
0532
0533
0534
0535
0536
0537
0538
0539
0540
0541
0542
0543
0544
0545
0546
0547
0548
0549
0550

○	DEVICE TERMINAL
■	VSD TERMINAL
□	DISCONNECT BOX TERMINAL
●	MSB TERMINAL
⊗	PUMP MONITORING RELAY TERMINAL



© COPYRIGHT
THIS DRAWING SHALL REMAIN THE PROPERTY
OF THE CITY OF GOLD COAST.
UNAUTHORISED USE OF THIS DRAWING IS
PROHIBITED.

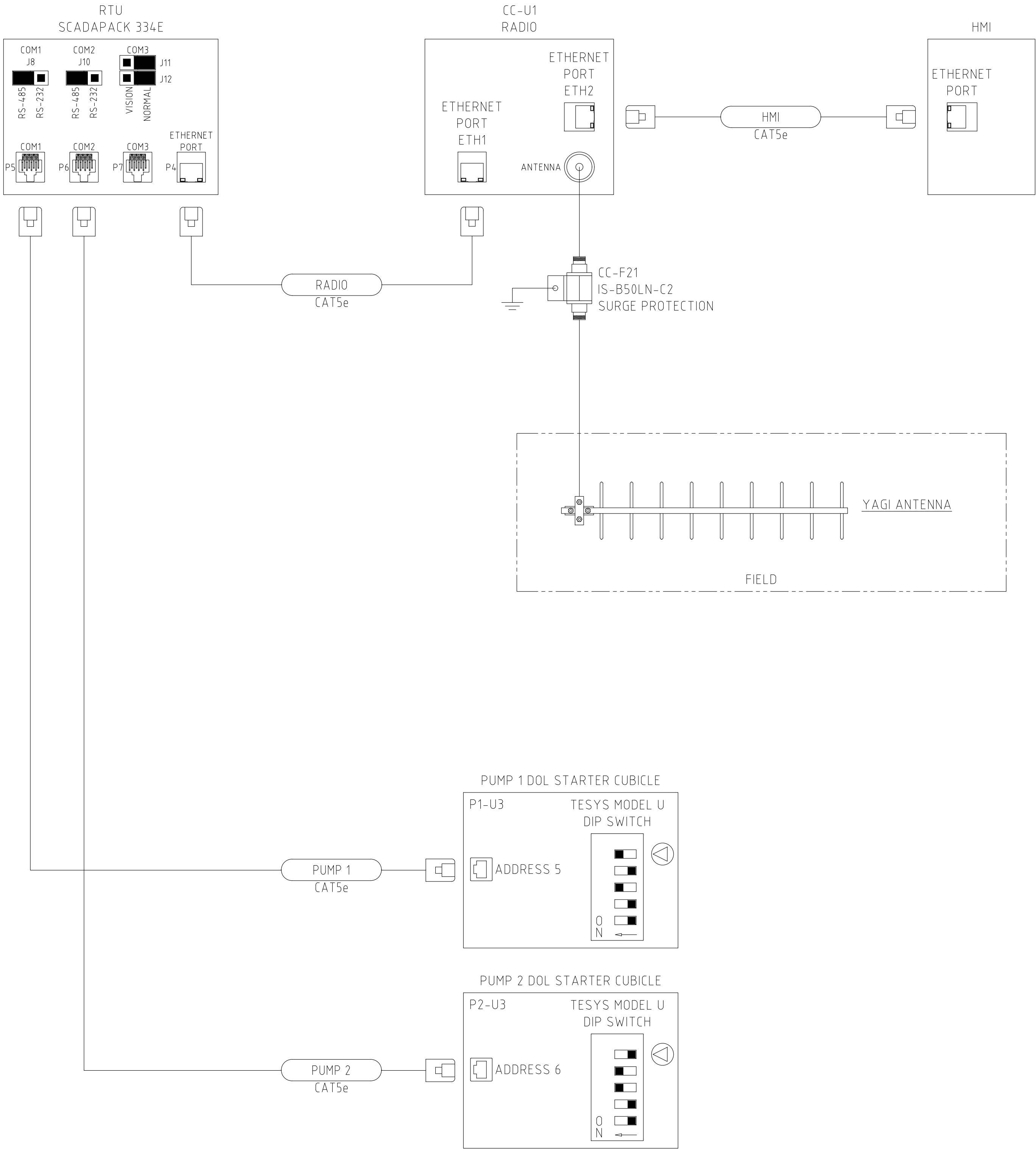
Project No.: OP20333	Design Project Officer BB	Design Checked – Statutory Certifier Signed: .. Drawing Checked Signed: ..							AQUATEC  CITY OF GOLD COAST.	S-XX-SPUMP-XXX SEWAGE PUMP STATION COURTNEY DRIVE STAGE 2 COMMON CONTROL - RTU SCHEMATIC WIRING DIAGRAM 3 OF 3	Project Number OP20333	
	GGCC Project Records File Number TBC										Sheet of 05 13	Issue A
	GGCC Project Identifier\–\CAD File Name OP20333 – COURTNEY DRIVE STAGE 2 SPS REV. A										GGCC Drawing Number XXXXXX.005	
	GGCC Contract Records File Number TBC											
		A	ISSUED FOR REVIEW		B. BALUYOT	BB	11.04.24					
Design not to be amended without authorisation by Statutory Certifier									Do not scale, use figured dimensions only	PO Box 5042, Gold Coast MC 9729		



LEGEND	
○	DEVICE TERMINAL
■	VSD TERMINAL
□	DISCONNECT BOX TERMINAL
●	MSB TERMINAL
⊗	PUMP MONITORING RELAY TERMINAL

- NOTES:
- SEAL FAIL RELAY IS ENERGISED WHEN SEAL LEAKAGE IS DETECTED.
 - TO PREVENT SIMULTANEOUS PUMP START AND STOP IN BACKUP MODE AND FULL WET WELL, CC-K21T CONTACT IS TIME DELAYED ON CLOSING AND OPENNING. ENERGEX PFR1A AND GENERATOR PFR2A ENSURES CC-K21T IS NOT ENERGISED DURING POWER OUTAGE.

0801
0802
0803
0804
0805
0806
0807
0808
0809
0810
0811
0812
0813
0814
0815
0816
0817
0818
0819
0820
0821
0822
0823
0824
0825
0826
0827
0828
0829
0830
0831
0832
0833
0834
0835
0836
0837
0838
0839
0840
0841
0842
0843
0844
0845
0846
0847
0848
0849
0850



LEGEND

○	DEVICE TERMINAL
■	VSD TERMINAL
□	DISCONNECT BOX TERMINAL
●	MSB TERMINAL
⊗	PUMP MONITORING RELAY TERMINAL

RS485 COMM'S CABLE
PIN CONFIGURATION
FOR MOTOR STARTERS

1	NOT USED	1	NOT USED
2	NOT USED	2	NOT USED
3	NOT USED	3	NOT USED
4	NOT USED	4	NOT USED
5	BLU/WHT	5	BLU/WHT
6	BLUE	6	BLUE
7	NOT USED	7	NOT USED
8	NOT USED	8	NOT USED

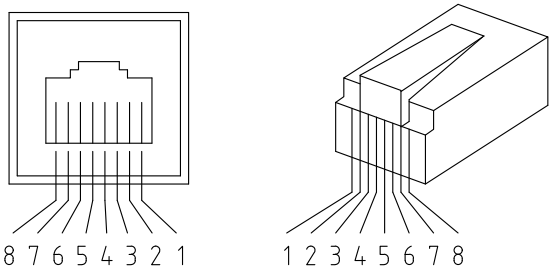
RTU

ETHERNET COMM'S CABLE
PIN CONFIGURATION

RD+	1	GRN/WHT	1	RD+
RD-	2	GRN	2	RD-
TD+	3	ORG/WHT	3	TD+
	4	BLU	4	
	5	BLU/WHT	5	
TD-	6	ORG	6	TD-
	7	BRN/WHT	7	
	8	BRN	8	

DOL / SOFT
STARTER
MODULE

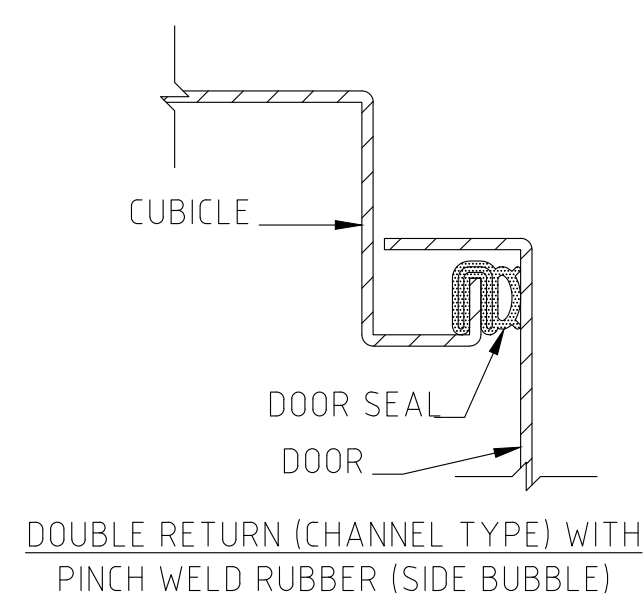
ETHERNET RJ-45 CONNECTOR
ORIENTATION LEGEND



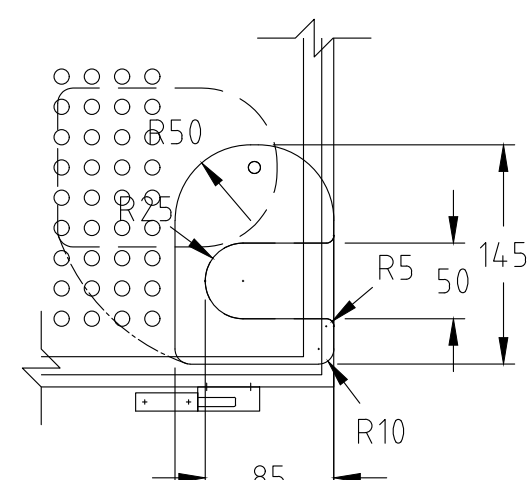
© COPYRIGHT
THIS DRAWING SHALL REMAIN THE PROPERTY
OF THE CITY OF GOLD COAST.
UNAUTHORISED USE OF THIS DRAWING IS
PROHIBITED.

Project No.: OP20333	Design Project Officer BB	Design Checked – Statutory Certifier Signed: _____						AQUATEC  CITY OF GOLD COAST™	S-XX-SPUMP-XXX SEWAGE PUMP STATION COURTNEY DRIVE STAGE 2 MAIN SWITCHBOARD NETWORK LAYOUT	Project Number OP20333	
	GGCC Project Records File Number TBC	Drawing Checked Signed: _____								Sheet of 08 13	Issue A
	GGCC Project Identifier\–\CAD File Name OP20333 – COURTNEY DRIVE STAGE 2 SPS REV. A										
	GGCC Contract Records File Number TBC										GGCC Drawing Number XXXXXX.010
		A	ISSUED FOR REVIEW		B. BALUYOT	BB	11.04.24				
Design not to be amended without authorisation by Statutory Certifier								Do not scale, use figured dimensions only	PO Box 5042, Gold Coast MC 9729		

© COPYRIGHT
THIS DRAWING SHALL REMAIN THE PROPERTY
OF THE CITY OF GOLD COAST.
UNAUTHORISED USE OF THIS DRAWING IS
PROHIBITED.



DOOR SEAL DETAIL
SCALE N.T.S.

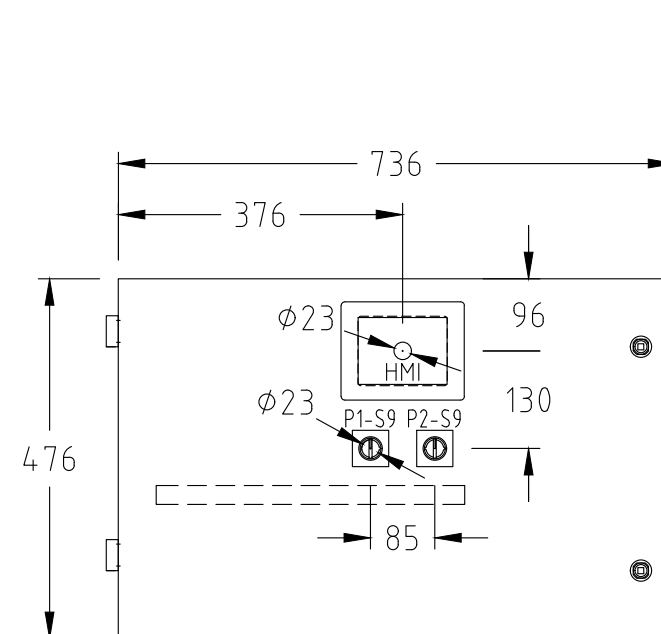


CABLE FLAP DETAIL

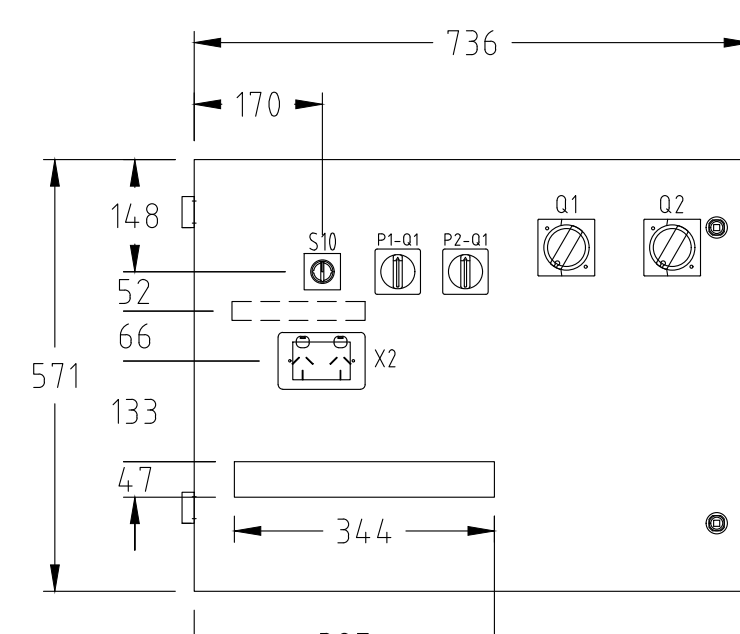
SCALE 1:5

01

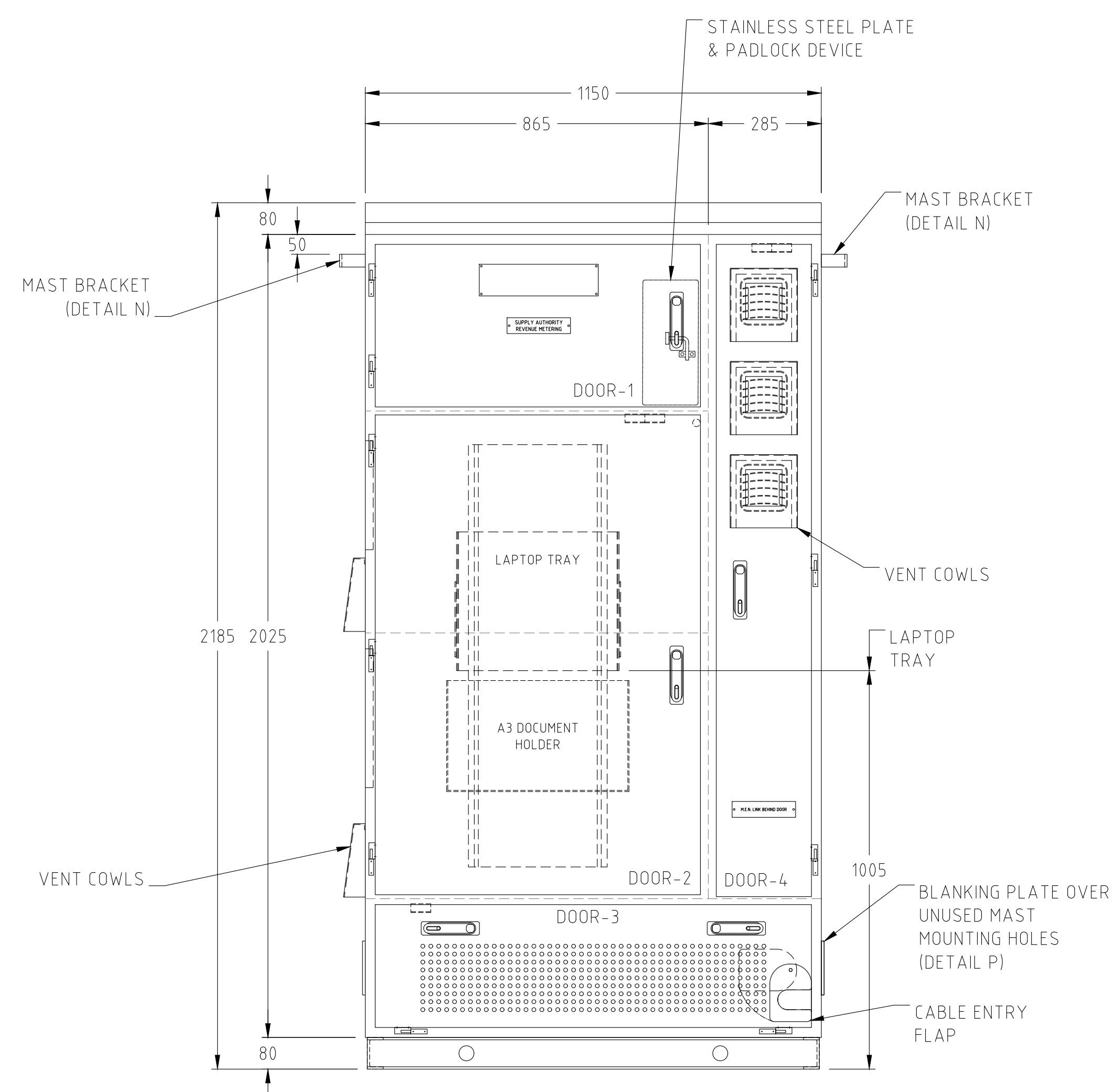
-



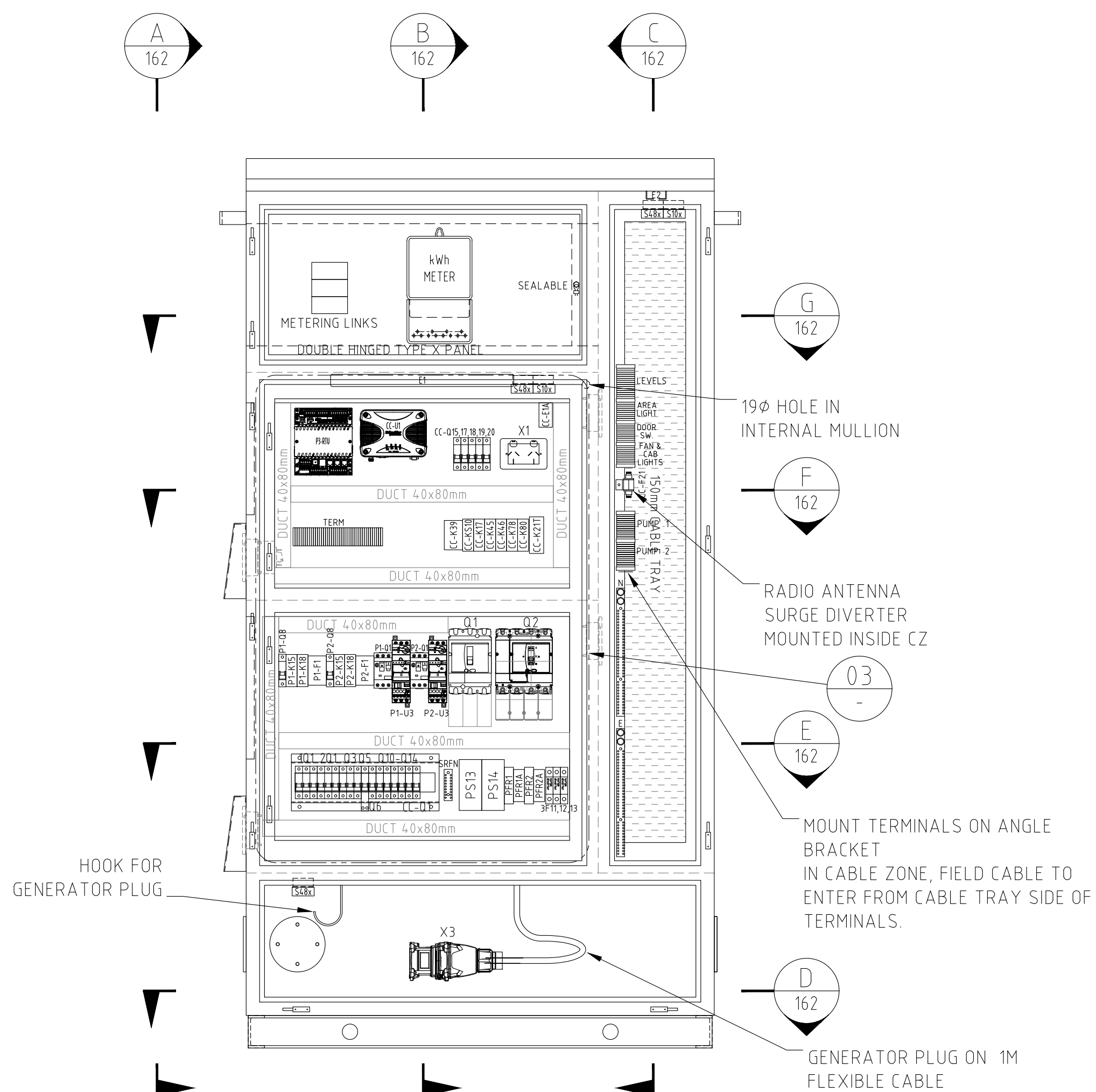
RTU ESCUTCHEONS
SCALE 1:10



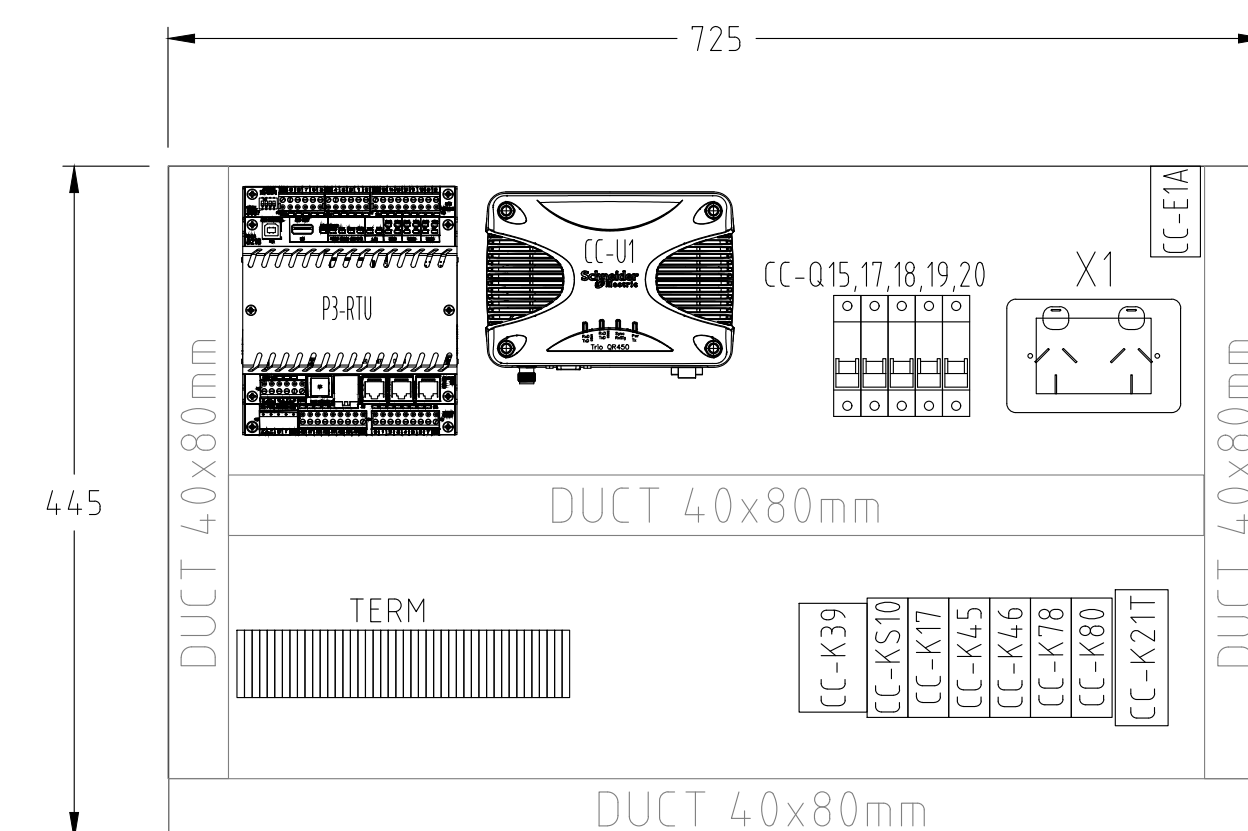
MAINS & STARTER ESCUTCHEONS
SCALE 1:10



FRONT VIEW
SCALE 1:10



FRONT VIEW WITHOUT DOORS
SCALE 1:10

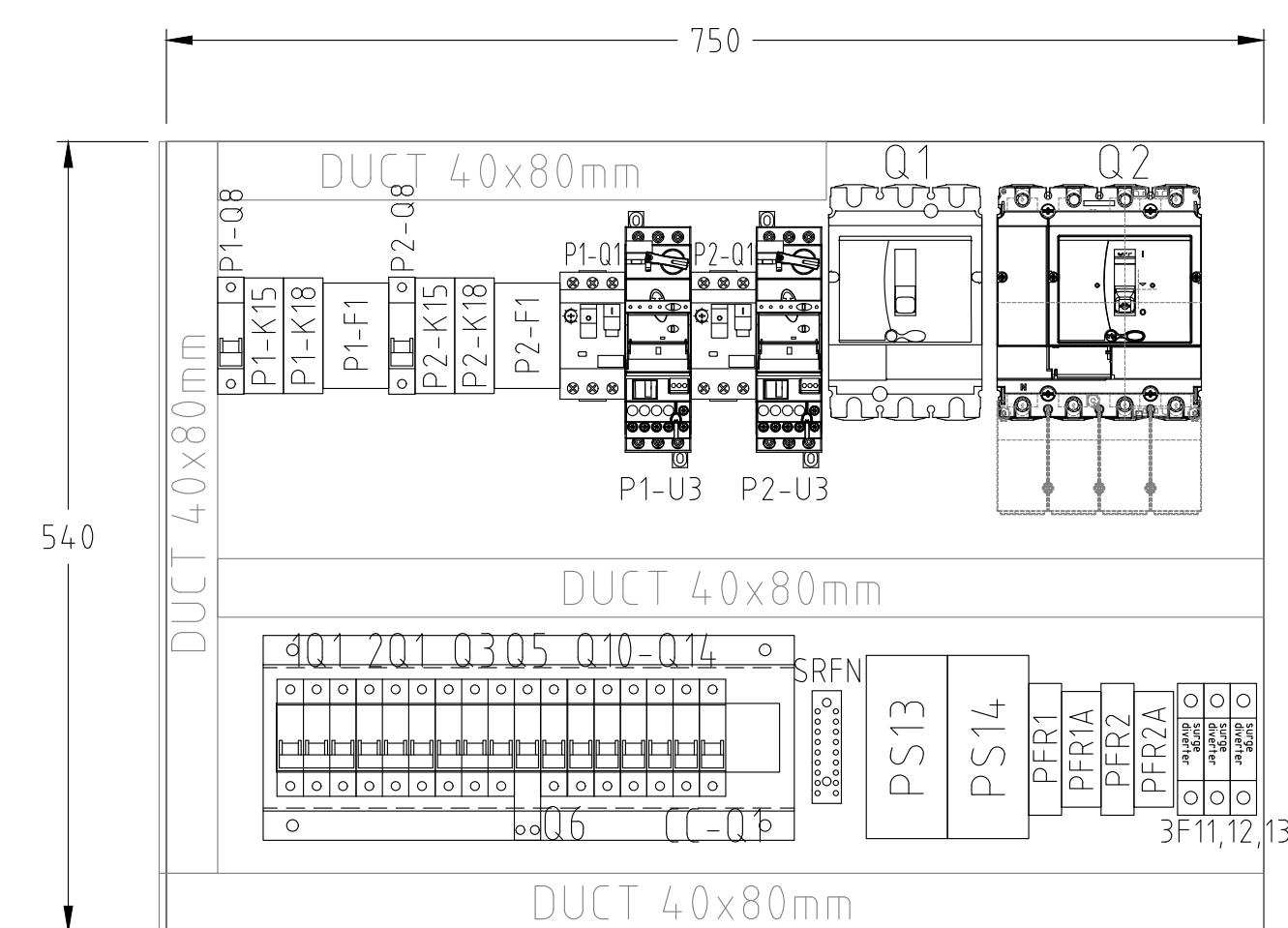


RTU PAN DETAIL

SCALE 1:5

03

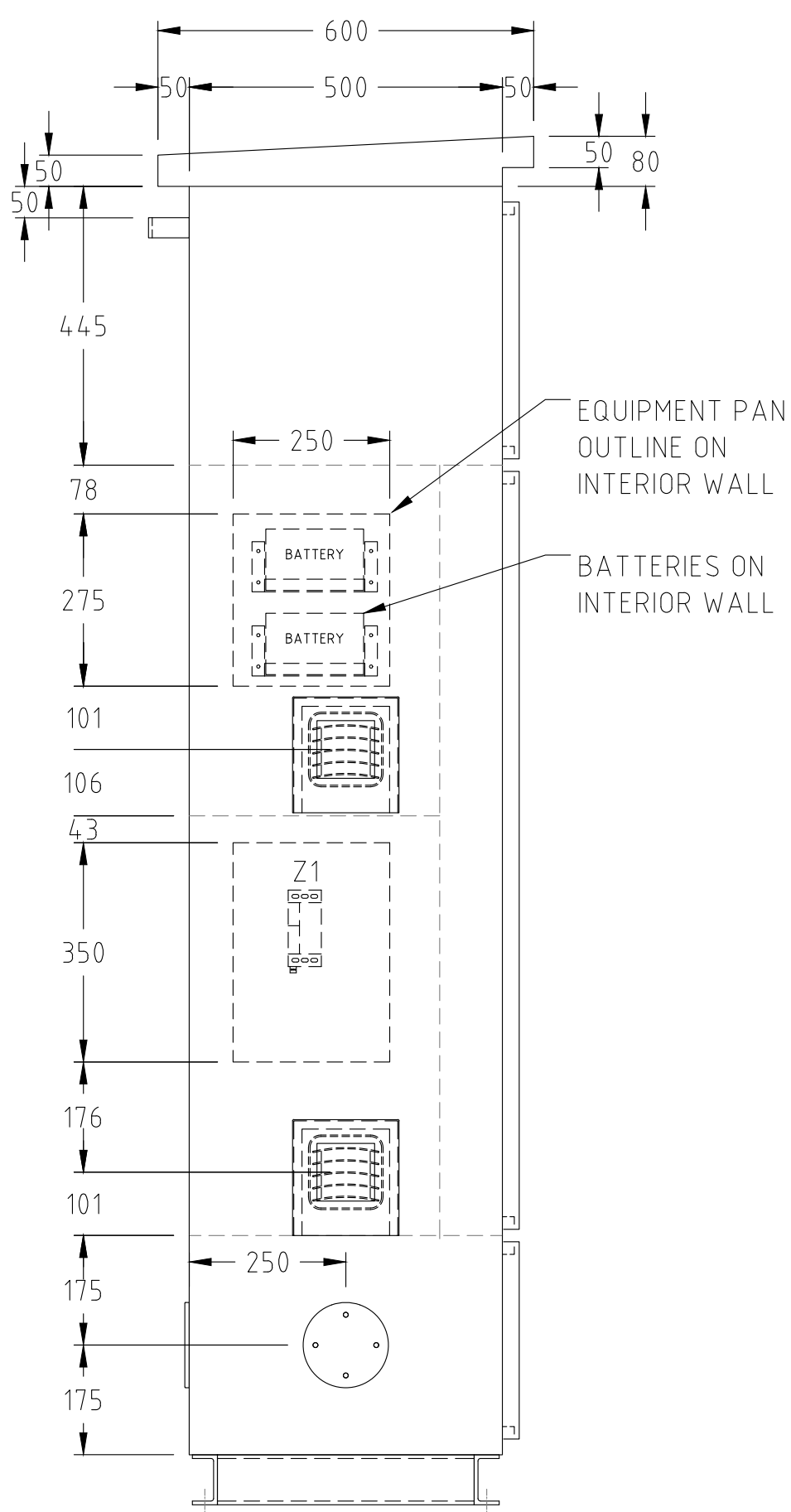
-



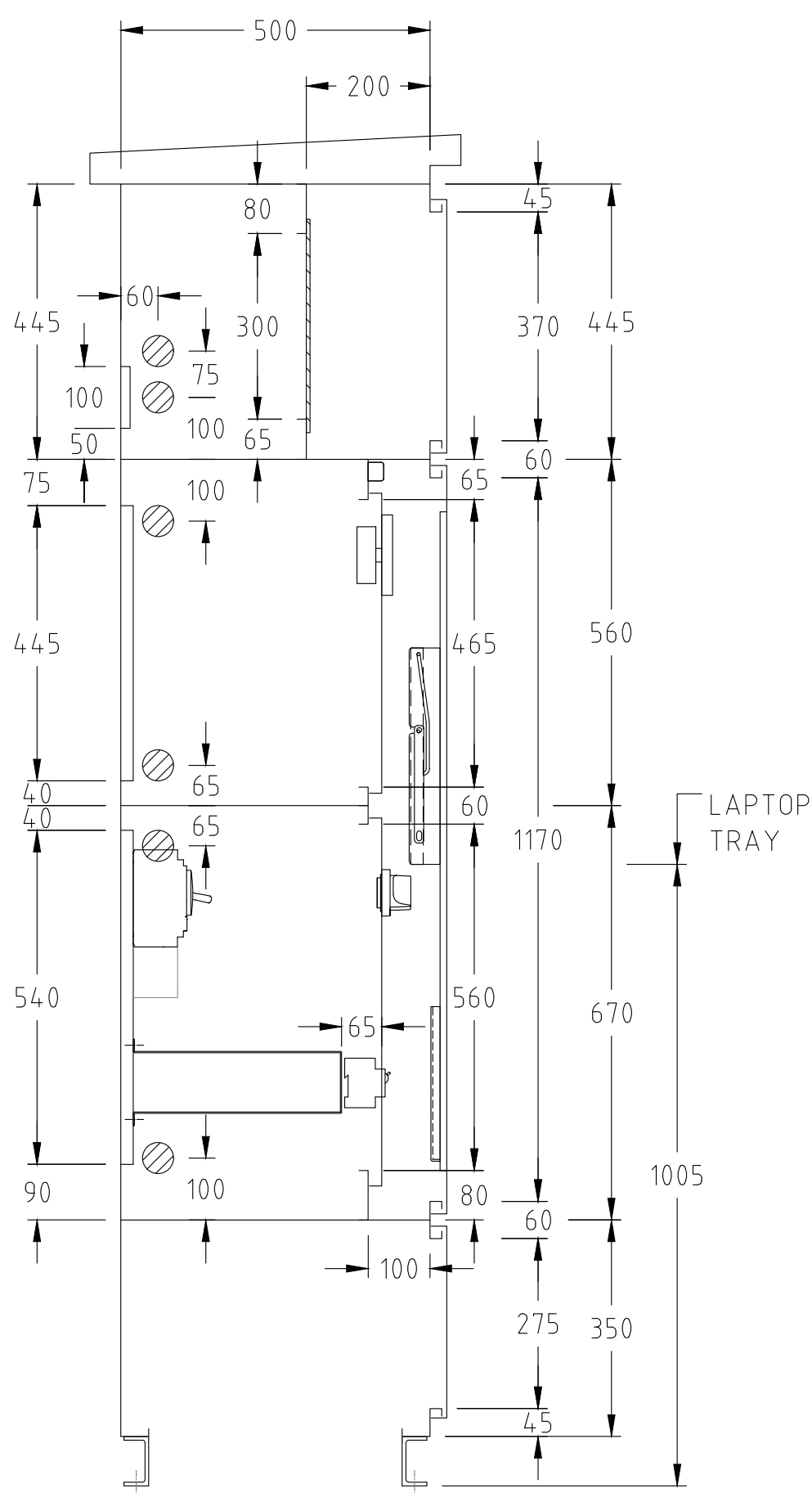
MAINS & STARTER PAN DETAIL (03)
SCALE 1:5

[illegible]

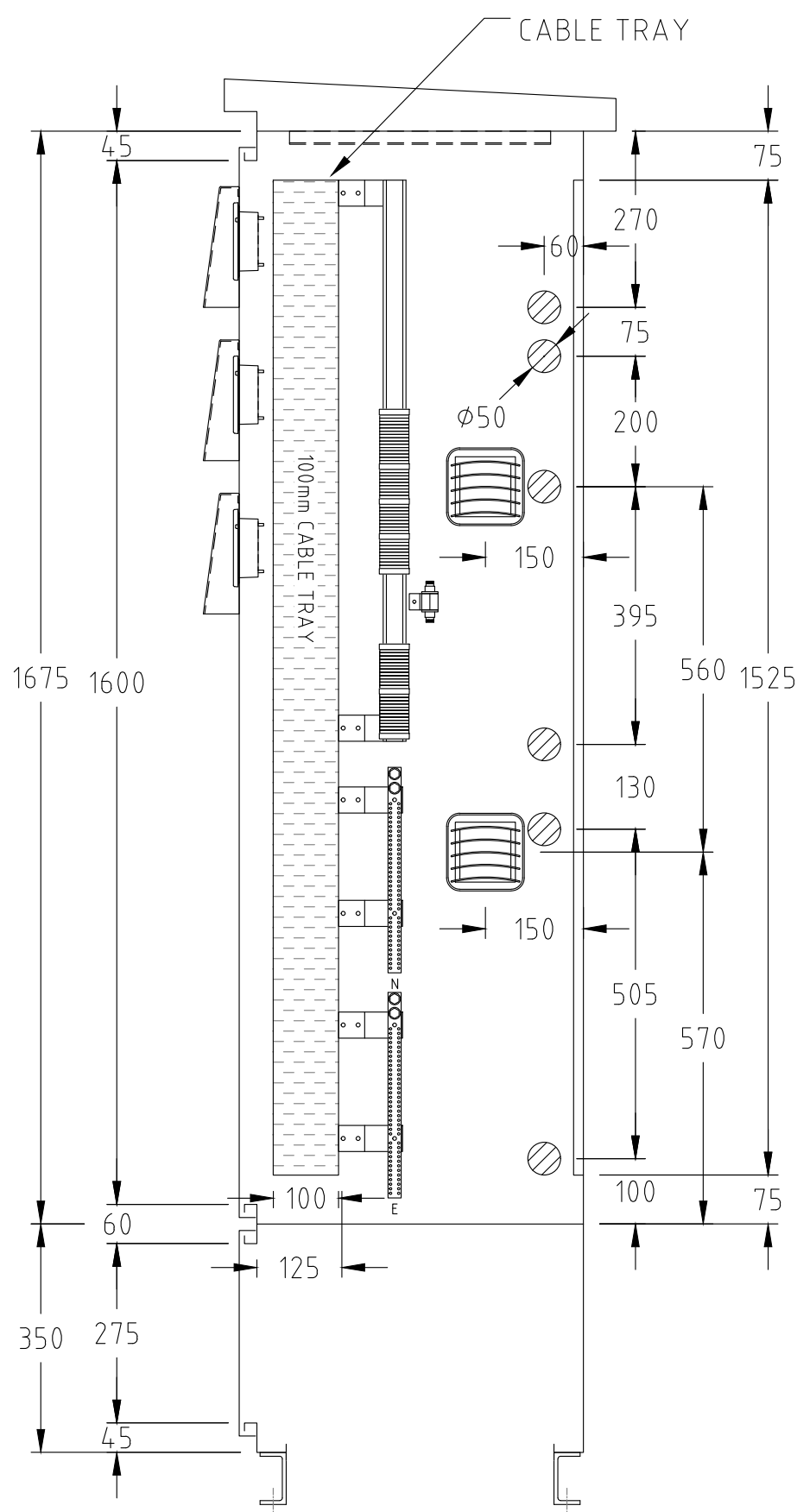
© COPYRIGHT
THIS DRAWING SHALL REMAIN THE PROPERTY
OF THE CITY OF GOLD COAST.
UNAUTHORISED USE OF THIS DRAWING IS
PROHIBITED.



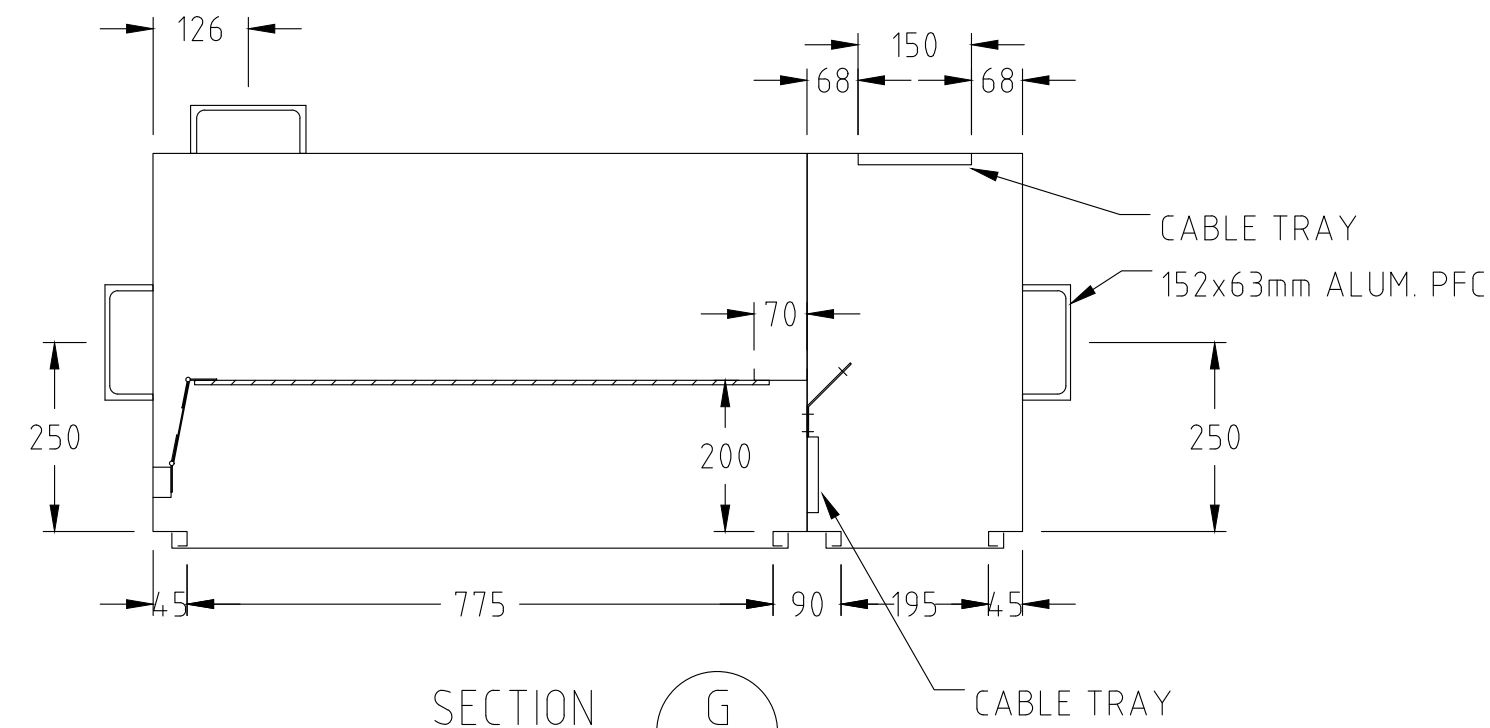
SECTION A
SCALE 1:10



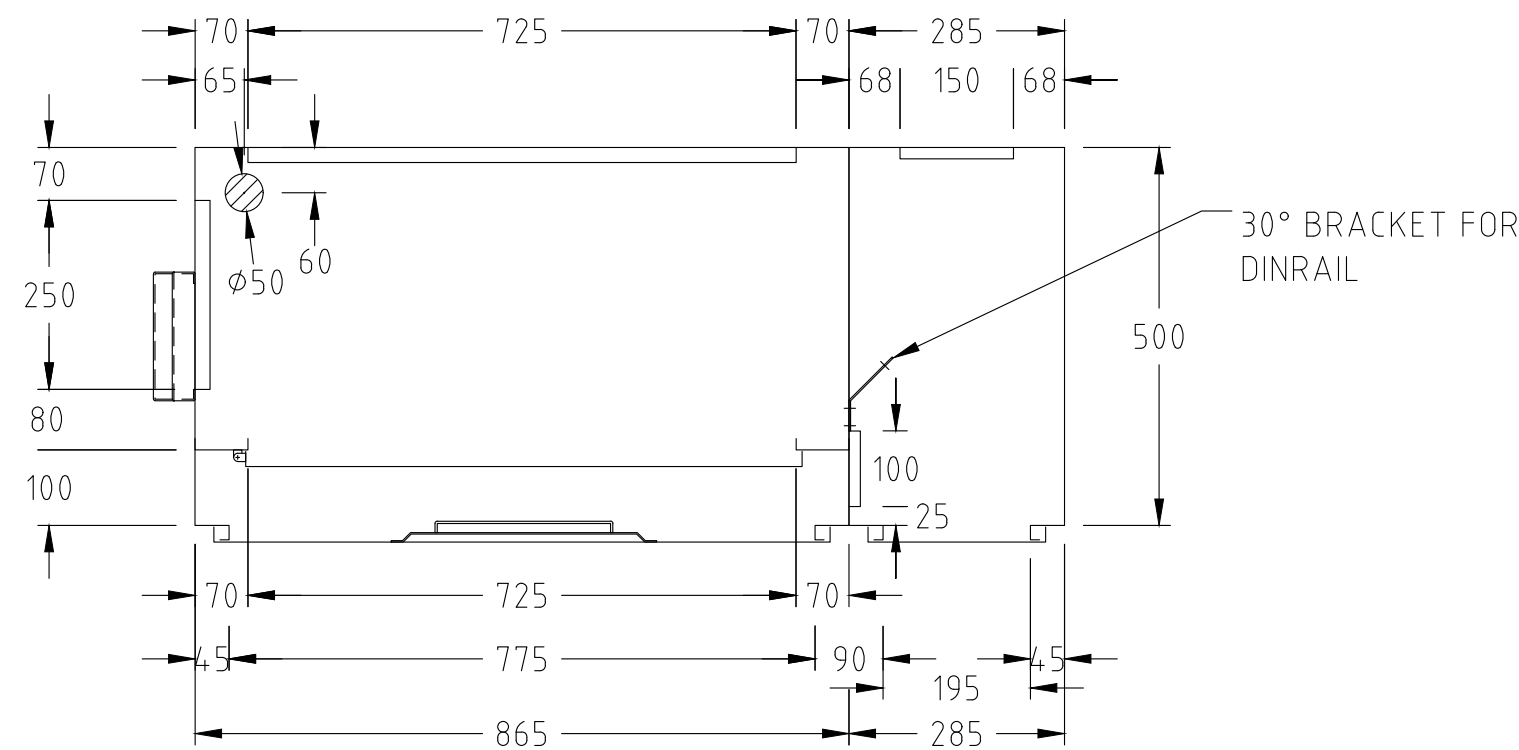
SECTION B
SCALE 1:10



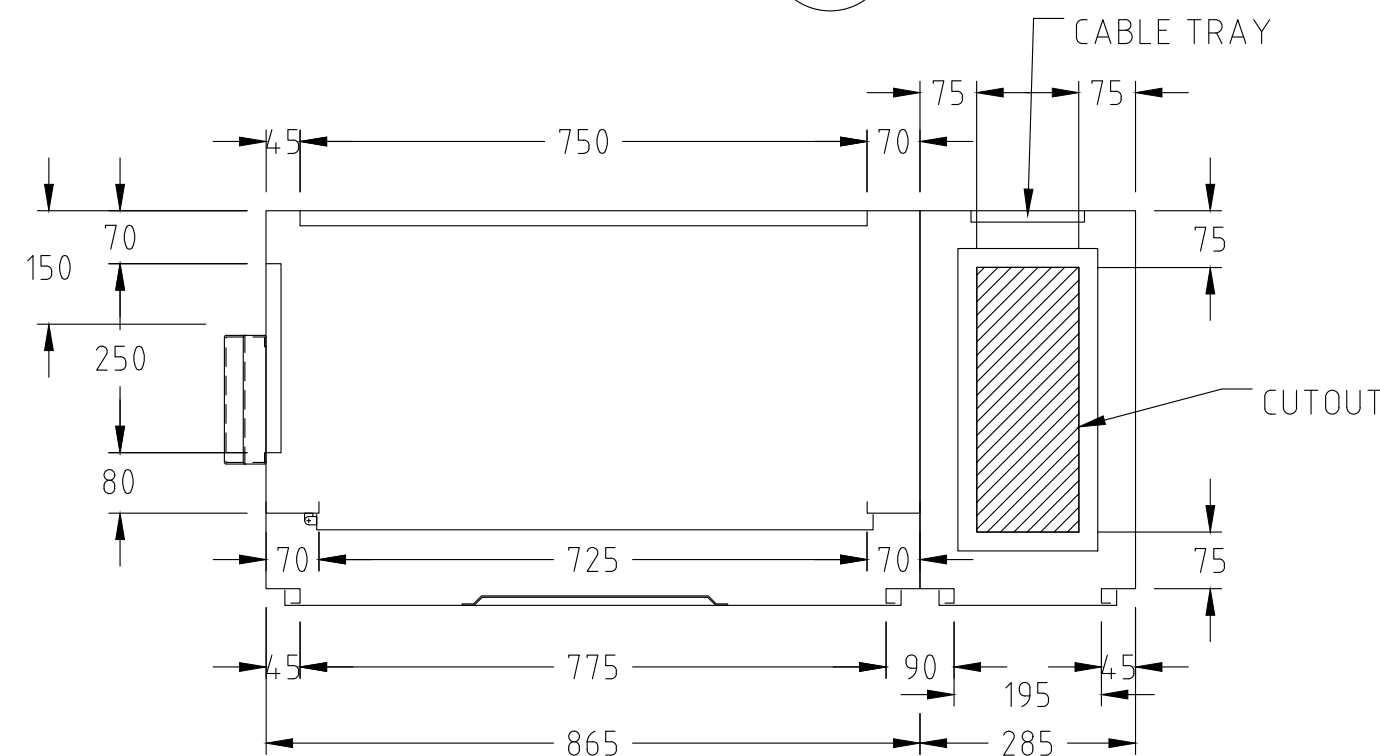
SECTION C
SCALE 1:10



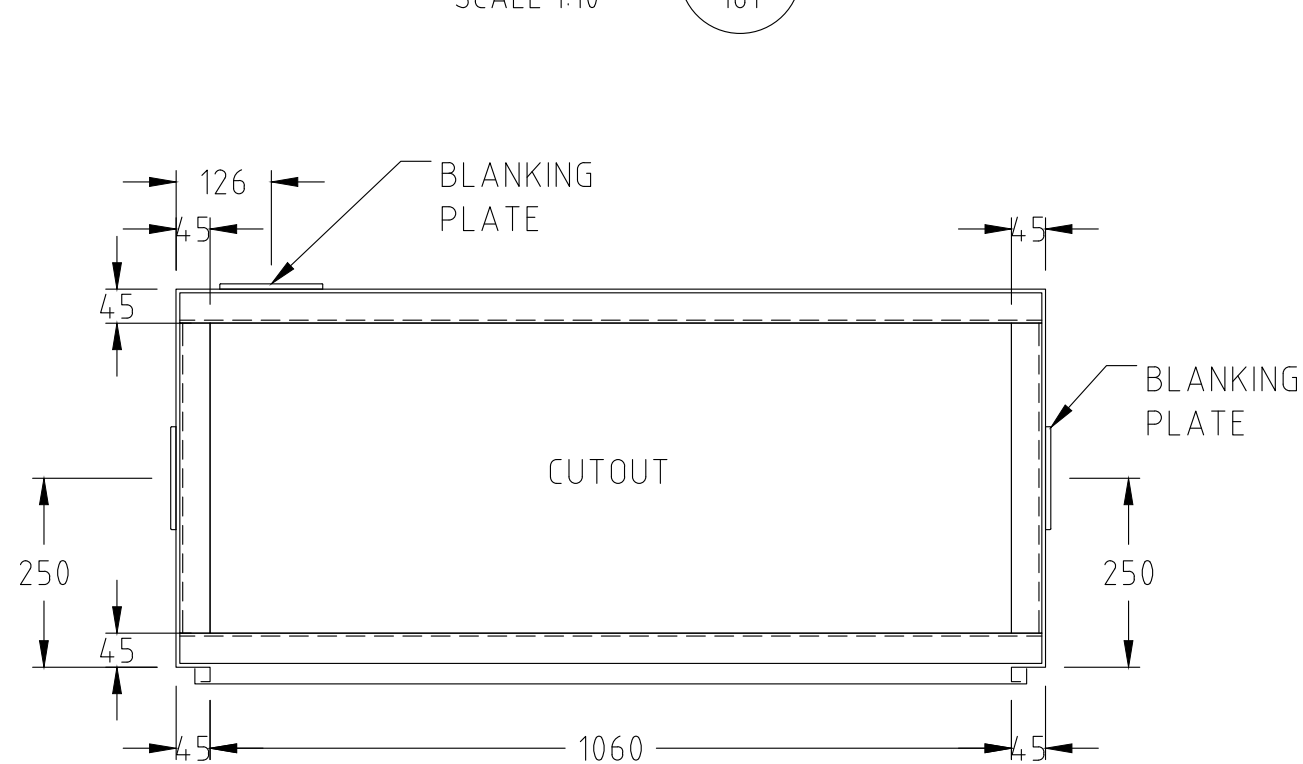
SECTION G
SCALE 1:10



SECTION F
SCALE 1:10



SECTION E
SCALE 1:10



SECTION D
SCALE 1:10

	Design Project Officer	Design Checked – Statutory Certifier							AQUATEC  CITY OF GOLDCOAST™	S-XX-SPUMP-XXX SEWAGE PUMP STATION COURTNEY DRIVE STAGE 2 MAIN SWITCHBOARD GENERAL ARRANGEMENT 2 OF 2	Project Number	
	Designed/Drawn BB	Signed: Drawing Checked Signed:									OP20333	
	GCCC Project Records File Number TBC										Sheet of	Issue
	GCCC Project Identifier\–\CAD File Name OP20333 – COURTNEY DRIVE STAGE 2 SPS REV. A		A	ISSUED FOR REVIEW	B. BALUYOT	BB	11.04.24	10			13	A
	GCCC Contract Records File Number		Issue	Description	Name	Initial	Date	XXXXXX.011				
Project No.: OP20333	TBC	Design not to be amended without authorisation by Statutory Certifier						Do not scale, use figured dimensions only		PO Box 5042, Gold Coast MC 9729		

PROJECT:	CITY OF GOLD COAST COURTNEY DRIVE STAGE 2 SEWAGE PUMP STATION				
JOB NO:	OP20333				
ITEM:	MCC CONSTRUCTION NOTES				
DOCUMENT NO:	REFER DRAWING NUMBER				
DESIGN DETAILS					
STANDARDS	SWITCHBOARD (ELECTRICAL) AS/NZS 3000, AS/NZS 3439 SERIES				
PLACE OF INSTALLATION	OUTDOOR				
TYPE OF INSTALLATION	STATIONARY				
S.C.A DESIGN	CUSTOME SINGLE SIDED				
S.C.A DETAIL	ACCESS	CONNECTION	CABLE ENTRY	CABLE EXIT	
	FRONT	FRONT	BOTTOM	BOTTOM	
CURRENT RATING	40A				
FREQUENCY	50Hz				
RATED VOLTAGE(OPERATIONAL)	400VAC 3 PHASE + NEUTRAL				
CONTROL VOLTAGE	230VAC / 24VDC				
INSULATION RATING	0.6 / 1kV				
SHORT CIRCUIT WITHSTAND CURRENT	10kA FOR 1 SECOND				
TYPE TESTED IN ACCORDANCE WITH	NOT SPECIFIED				
ARC FAULT CONTAINMENT	NOT SPECIFIED				
SEGREGATION CLASSIFICATION	GENERAL	STARTER COMPARTMENTS		DISTRIBUTION/COMMON CONTROLS	
	FORM 1 TO AS/NZS 61439.1:2016	FORM 1 TO AS/NZS 61439.1:2016		FORM 1 TO AS/NZS 61439.1:2016	
DEGREE OF PROTECTION (NOMINAL)	IP54 TO AS 60529-2004 (MIN. IP44)		OUTDOORS		
INTERNAL DEGREE OF PROTECTION	IP2X TO AS/NZS 3000:2018 APPENDIX G (SEE SHROUDING MEASURES BELOW)				
DESIGN AMBIENT TEMP. (24hr AVERAGE)	40°C				
DESIGN BUSBAR TEMP. RISE	50°C ABOVE AMBIENT				
EARTHING SYSTEM	MEN				
MEN LINK	REQUIRED				
WEIGHT(APPROX.)	TBC kg				
CONSTRUCTION DETAILS					
CUBICLE AND DOORS	MATERIAL			FINISH	
	3mm THICK ALUMINIUM SHEET MARINE GRADE (AI 5083)			PAINTED (SEE PAINTING BELOW)	
EQUIPMENT PANELS	3mm THICK ALUMINIUM SHEET MARINE GRADE (AI 5083)			PAINTED (SEE PAINTING BELOW)	
ESCUTCHEONS	3mm THICK ALUMINIUM SHEET MARINE GRADE (AI 5083)			PAINTED (SEE PAINTING BELOW)	
FIXINGS	ALL FIXINGS SHALL BE 316 GRADE STAINLESS STEEL				
WELDING	FULLY WELDED ON FACIA AND EXTERNAL JOINTS				
SEALING AGAINST SEWER GAS	SWITCHBOARD TO BE SEALED TO LIMIT INGRESS OF SEWER GASES, APPLY SILICONE SEALANT TO JOINTS AS NECESSARY				
STIFFENING	TO PREVENT WARPING AND FORM A RIGID ENCLOSURE				
	FOLDED DOOR STIFFENERS WELDED TO BACK OF DOORS WHERE SHOWN				
PLINTH	MATERIAL		TYPE	SIZE	FINISH
	ALUMINIUM MARINE GRADE		PARALLEL FLANGE CHANNEL	80 x 40mm PFC	PAINTED
LIFTING	VIA 38mm HOLES IN PLINTH, SUPPLY AND FIT BLANKING PLUGS AS NECESSARY				
GLAND PLATES	MATERIAL	THICKNESS	SEALING	FIXING	
	ALUMINIUM	6mm	SELF ADHESIVE POLYTHYLENE CLOSED CELL 6 x 24mm MF7493/624 - NOTE FIXINGS AT 150mm MAX. CENTRES	M6 HEX BOLTS, FLAT WASHERS ONLY & CLOSED END (BLIND) NUTSERTS	
GLAND PLATES FITTED INTERNALLY, EARTHED AS NECESSARY					
DOOR SEAL TYPE	DOUBLE RETURN - CHANNEL TYPE				
DOOR SEAL GASKET	PINCH WELD RUBBER (SIDE BUBBLE)				
HINGES	DOORS		STAINLESS STEEL LIFT OFF TYPE		
	ESCUTCHEONS		STAINLESS STEEL LIFT OFF TYPE		
DOOR HANDLE/LOCKS	HANDLE / LOCK TYPE		MATERIAL/FINISH		LOCKING
	VANDAL PROOF SWING HANDLE		STAINLESS STEEL		PADLOCKABLE
ESCUTCHEON LOCKS	1/4 TURN WITH SQUARE SLOTTED INSERT & LEVER TAB		STAINLESS STEEL		N/A
CABLE ZONE LOCKS/FIXINGS	VANDAL PROOF SWING HANDLE		STAINLESS STEEL		PADLOCKABLE
BREEZEWAY LOCKS/FIXINGS	VANDAL PROOF SWING HANDLE		STAINLESS STEEL		PADLOCKABLE
HOOD FIXINGS	SLOPING HOOD WELDED TO CUBICLE BODY				
THREE POINT LOCKING	ROLLER TYPE - STAINLESS STEEL				
DOOR EARTHING	FIT EARTH STUD FACILITY TO ALL DOORS & HINGED ESCUTCHEONS AND ADJACENT CUBICLE BODY				
	EARTH ALL DOORS & HINGED ESCUTCHEONS WITH 6.0mm² (84/0 30) FLEXIBLE TINNED EARTH CABLE				
DOOR OPENING	110° MINIMUM				
DOOR STAYS	SLIDING DROP STAY				
	REQUIRED ON ALL DOORS				
DRAWING HOLDER	TYPE		PLACEMENT		
	A4-235(W) X 250(H) X 15mm(D)		FIT TO REAR OF DOOR		
LEGEND CARD HOLDER	215(W) X 315mm(H)		FIT TO REAR OF DOOR		
LAPTOP TRAY	TYPE & PLACEMENT				
	SLIDING FOLD DOWN TRAY 400(W) x 250mm(D) TO REAR OF DOOR			REFER DRAWINGS FOR DETAIL	
	WORKING HEIGHT ABOVE GROUND/FLOOR LEVEL TO BE 1100mm (STANDARD)				
VENTILATION	PROPRIETARY FILTER FAN WITH GRILL & FILTER			REFER DRAWINGS FOR DETAIL	
	VENTILATION OPENINGS IN BREEZE WAY FITTED WITH STAINLESS STEEL MESH GAUZE ONLY			REFER DRAWINGS FOR DETAIL	

COWLS/BLAST SHEILDS	FIT FIXED COWLS OVER VENTILATION OPENINGS		
DOOR SWITCH BRACKETS	FIT DOOR SWITCH BRACKETS TO CUBICLE BODY		REFER DRAWINGS FOR DETAIL
EARTHING CONTINUITY	ALL EXPOSED CONDUCTIVE PARTS SHALL BE INTERCONNECTED TOGETHER AND TO THE PROTECTIVE CONDUCTOR OF THE SUPPLY OR VIA AN EARTHING CONDUCTOR TO THE EARTHING ARRANGEMENT I.E GLAND PLATES, DOORS, ESCUTCHEONS, REMOVABLE COVERS, SUN SHIELDS, COWLS, ETC.		
	THESE INTERCONNECTIONS MAY BE ACHIEVED EITHER BY METAL SCREWED CONNECTIONS, WELDING OR OTHER CONDUCTIVE CONNECTIONS OR BY A SEPARATE PROTECTIVE CONDUCTOR		
SUPPLY AUTHORITY	QLD ECM SPECIFIC REQUIREMENTS		
METERING LOCKS	HANDLE/LOCK TYPE	MATERIAL/FINISH	LOCKING/SEALING
	VANDAL PROOF SWING HANDLE	STAINLESS STEEL	PADLOCKABLE
METER PANEL	DOUBLE HINGED 6mm THICK LAMINATED PHENOLIC RESIN FIXED WITH M6 S/S STUD WITH SEALING FACILITY		
EQUIPMENT SHROUDING			
IP2X(IFINGER)	LINE SIDE OF MAIN SWITCH, LINE SIDE OF COMPARTMENT ISOLATORS AND PROTECTIVE DEVICES		
	COMPARTMENTS WHERE ACCESS IS NOT RESTRICTED BY THE USE OF DOOR INTERLOCKS E.G. ISOLATOR OR PROTECTIVE DEVICE		
BUSBAR ZONES	PROVIDE WARNING LABELS ON DOORS AND REMOVABLE COVERS WHICH PROVIDE DIRECT ACCESS TO LIVE BUSBARS		
	RESTRICT ACCESS TO LIVE BUSBARS WITH DOOR LOCKING DEVICES OR REMOVABLE COVERS THAT REQUIRE THE USE OF A TOOL TO GAIN ACCESS		
SHROUD ANY LIVE BUSBARS (TO IP1X) THAT ARE 100mm OR CLOSER TO ACCESS OPENINGS AND BELOW 1800mm FROM THE FLOOR			
PAINTING			
PAINT	POLYESTER POWDER COAT TO 50µM (MICRONS) MINIMUM THICKNESS		
PREPARATION & APPLICATION	AS PER MANUFACTURER'S PAINTING PROCEDURES MANUAL		
EXTERIOR/DOOR COLOUR	PAINT FINISH	COLOUR TO AS2700/EQUIVALENT	ADDITIONAL COATINGS
	FLAT FINISH (SMOOTH)	G54 MIST GREEN/DULUX PALE EUCALYPT	SOLAR RESISTANT/ANTI GRAFFITI
INTERIOR COLOUR	FLAT FINISH (SMOOTH)	G54 MIST GREEN/DULUX PALE EUCALYPT	N/A
EQUIPMENT PANEL COLOUR	FLAT FINISH (SMOOTH)	N14 WHITE/ DULUX BRIGHT WHITE	N/A
ESCUTCHEON COLOUR	FLAT FINISH (SMOOTH)	N14 WHITE/ DULUX BRIGHT WHITE	N/A
PLINTH COLOUR	FLAT FINISH (SMOOTH)	G54 MIST GREEN/DULUX PALE EUCALYPT	SOLAR RESISTANT/ANTI GRAFFITI
CABLE DETAILS			
POWER	V90 0.6/1kV FLEXIBLE OR MULTI-STRANDED, MIN. SIZE 2.5mm ²		
CONTROL	V90 0.6/1kV TINNED FLEXIBLE, MIN. SIZE 1.0mm ² (30/0 20)		
PROTECTION/METERING	V90 0.6/1kV TINNED FLEXIBLE, MIN. SIZE 2.5mm ² (50/0 25)		
MODULE TO MARSHALLING (PLC & RTU)	V90 0.6/1kV TINNED FLEXIBLE 1.0mm ² (32/0 20)		
WIRING DUCT	OPEN TYPE SLOTTED INSULATED WIRING DUCT WITH NARROW WEB (6mm) AND FITTED WITH SNAP-ON LID		
SEGREGATION OF DIFFERENT VOLTAGES	ALL CABLES OR EACH CONDUCTOR OF A MULTI-CORE CABLE SHALL BE INSULATED TO THE HIGHEST VOLTAGE PRESENT I.E 0.6/1kV AS NOTED ABOVE		
	PROPRIETARY CABLES (COAX, CAT5, DATA, ETC) SHALL BE SEGREGATED FROM LOW VOLATGE (230V/400V) CIRCUIT CABLES E.G. RUN EXTERNAL TO DUCT OR SEGREGATED WITH LOOM TUBE IN DUCT AS APPROPRIATE		
WIRING COLOUR	CoGC STANDARD		
	POWER WIRING TO 16mm ²	RED, WHITE, BLUE	
	POWER WIRING ABOVE 16mm ²	RED WITH PHASE IDENTIFICATION AT CABLE ENDS	
	PHASE NEUTRAL	BLACK	
	EARTH	GREEN/ YELLOW	
	CONTROL ACTIVE (240VAC)	ORANGE	
	CONTROL NEUTRAL (240VAC)	BLACK	
	CONTROL POSITIVE (24VDC)	PINK	
	CONTROL NEGATIVE (24VDC)	BROWN	
	THERMISTORS	WHITE-TWISTED PAIR	
	TELEMETRY (GENERAL) ELECTRODES, MAS SENSORS	VIOLET (ALL WIRING FROM RTU TO TERMINAL STRIP & TERMINAL STRIP TO INPUT/OUTPUT DEVICE)	
	SCREENED ANALOGUE POSITIVE	WHITE-TWISTED PAIR	
	SCREENED ANALOGUE NEGATIVE	BLACK-TWISTED PAIR	
TERMINATIONS			
CONTROL CABLE IDENTIFICATION	BRADY OR EQUIVALENT MARKING SYSTEM (CLEAR PLASTIC SLEEVES WITH INSERTABLE TABS)		
CABEL ENDS	METAL FERRULES AND CRIMP LUGS AS NECESSARY		
	TWIN BOOT LACE PINS ARE ONLY PERMITTED WHERE THERE IS NO OTHER ALTERNATIVE		
MAINS INCOMING	DIRECT ONTO EQUIPMENT		
OUTGOING	TERMINALS		
CONTROL	TERMINALS		
TERMINAL RAILS	FIT CALE ZONE TERMINAL RAILS TO 30° ANGLE MOUNTING BRACKETS		
LABELS			
MATERIAL INTERNAL	GRAVOPLY		
MATERIAL EXTERNAL	GRAVOPLY-UV RATED		
FIXINGS INTERNAL/EXTERNAL	316 GRADE STAINLESS STEEL METAL THREADS AND ADHESIVE		
MOUNTING	LABELS TO BE SECURED TO EQUIPMENT PANELS ABOVE EQUIPMENT		
GENERAL LABELS	WB-4mm LETTERS		
INFORMATION/WARNING LABELS	YB-6mm LETTERS		
DANGER LABELS	RW-6mm LETTERS		
DRIVE LABELS	WB-6mm LETTERS		
MAIN SWITCH LABELS	RW-8mm LETTERS		
	WB-20mm LETTERS		
S.C.A. MAIN LABEL	FIT LABEL WITH THE FOLLOWING WORDING IN A PROMINENT POSITION ON THE FRONT OF THE CABINET		
	S-XX-SPUMP-XXX		
ASSEMBLY DESIGNATION MARKING NAME PLATE	WB-8mm & 5mm LETTERS		
	FIT NAMEPLATE IN A PROMINENT POSITION ADJACENT TO THE MAIN SWITCH		

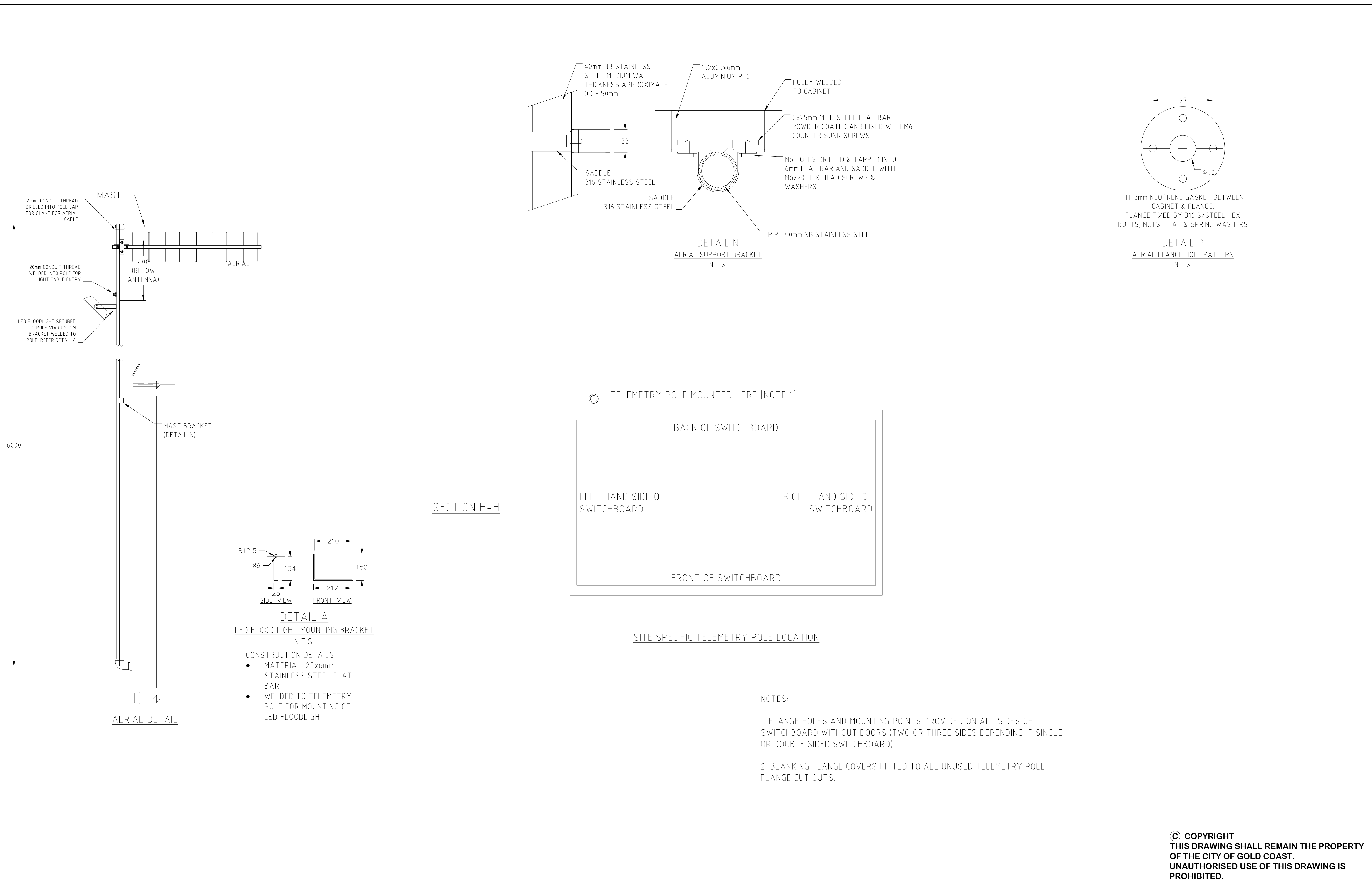
© COPYRIGHT
THIS DRAWING SHALL REMAIN THE PROPERTY
OF THE CITY OF GOLD COAST.
UNAUTHORISED USE OF THIS DRAWING IS
PROHIBITED.

Project No.: OP20333		Design Project Officer .		Design Checked – Statutory Certifier Signed: .									S-XX-SPUMP-XXX SEWAGE PUMP STATION COURTNEY DRIVE STAGE 2	Project Number OP20333			
		Designed/Drawn BB		Drawing Checked Signed: .											Sheet of 11 13	Issue A	
		GCCC Project Records File Number TBC															GCCC Drawing Number XXXXXX.015
		GCCC Project Identifier\--\CAD File Name OP20333 – COURTNEY DRIVE STAGE 2 SPS REV. A															
		GCCC Contract Records File Number TBC															
		A	ISSUED FOR REVIEW			B. BALUYOT			BB	11.04.24	Do not scale, use figured dimensions only			PO Box 5042, Gold Coast MC 9729			
		Issue	Description			Name			Initial	Date							
		Design not to be amended without authorisation by Statutory Certifier															

ITEM TAG	QTY	ITEM DESCRIPTION	ITEM MANUFACTURER	ITEM PART NUMBER
SUPPLY AUTHORITY METERING	3	IPD METER PANEL DISCONNECTOR 125A, BACK WIRE, C/W FITTED SOLID LINK S7125BWQ	IPD	S7125BWQ
	1	kWh METER POLYPHASE WHOLE CURRENT (SUPPLY AUTHORITY)		
	1	NEUTRAL LINK 135AMP BLACK 1X35MM 3X25MM (FIT TO REAR OF METER PANEL)	DORE ELECTRICS	135A4TB
X3	1	DECONTACTOR D56 SOCKET POLY BLUE SIZE.4 IP66/67 3P+N+E 90A 440V AC	MARECHAL ELECTRIC	3164017
	1	DECONTACTOR D56 INLET POLY BLUE SIZE.4 IP66/67 3P+N+E 90A 440V AC	MARECHAL ELECTRIC	3168017
	1	STRAIGHT HANDLE POLY BLUE SIZE.4 +CABLE GLAND 13-35MM	MARECHAL ELECTRIC	514P0D35
EARTH/NEUTRAL BAR	2	EARTH/NEUTRAL BAR 165AMP 36 HOLES 2 X M10 STUDS	DORE ELECTRICS	165E36
	2	MOUNTING FEET FOR EARTH BARS BLACK	DORE ELECTRICS	E/NFEETBLK
1Q1, 2Q1	2	ACTI9, MINIATURE CIRCUIT BREAKER (MCB), ACTI9 IC60H DISBO, 3P, 2A, C CURVE, 10000A	SCHNEIDER	A9F54302
PFR1, PFR2	2	CARLO GAVAZZI MONITORING RELAY 3 PHASE NEUT OVER/UNDER/VOLTAGE-PHASE-SEQ/PHASE-LOSS 380-415VAC 1CO	NHP/CARLO GAVAZZI	DPB01CM48W4
Q1	1	CIRCUIT BREAKER, COMPACT NSX100F, 36KA/415VAC, 3 POLES, TMD TRIP UNIT 40A	SCHNEIDER	C10F3TM040
	2	COMPACT, LONG TERMINAL SHIELD, COMPACT NSX100/160/250, PITCH 35MM, IP40, 3 POLES	SCHNEIDER	LV429517
Q2	1	CIRCUIT BREAKER, COMPACT NSX100N, 50KA/415VAC, 4 POLES, MICROLOGIC 2.2 TRIP UNIT 40A	SCHNEIDER	C10N42D040
	2	LONG TERMINAL SHIELD, COMPACT NSX100/160/250, PITCH 35MM, IP40, 4 POLES	SCHNEIDER	LV429518
EXTENDED ROTARY HANDLE	2	EXTENDED ROTARY HANDLE, COMPACT NSX100/160/250, BLACK HANDLE, SHAFT LENGTH 185MM TO 600MM, IP55	SCHNEIDER	LV429338T
MECHANICAL INTERLOCK	1	MECHANICAL INTERLOCKING SYSTEM, COMPACT NSX100/160/250, DEVICES WITH DIRECT ROTARY HANDLES	SCHNEIDER	LV429369T
ACTIVE/NEUTRAL LINK	3	NEUTRAL LINK 135AMP ACTIVE 1X35MM 3X25MM	DORE ELECTRICS	135A4TR
Q3	1	ACTI9, MINIATURE CIRCUIT BREAKER (MCB), ACTI9 IC60H DISBO, 3P, 32A, C CURVE, 10000A	SCHNEIDER	A9F54332
3F11, 3F12, 3F13	3	EDT2 ENHANCED DIN RAIL SURGE PROTECTION CLASS II, 1+0 MODE, 240 V UN	NVENT ERICO/CRITEC	EDT230010R
P1-Q1, P2-Q1	2	TESYS DECA, MOTOR CIRCUIT BREAKER, TESYS DECA, 3P, 14A, MAGNETIC, ROTARY HANDLE, SCREW CLAMP TERMINALS	SCHNEIDER	GV2L16
	2	TESYS; TESYS DECA, AUXILIARY CONTACT BLOCK, TESYS DECA, 2NO, FRONT MOUNTING, FOR GV2	SCHNEIDER	GVAE20
	2	TESYS; TESYS DECA, EXTENDED ROTARY HANDLE KIT, IP54, BLACK HANDLE, WITH TRIP INDICATION, FOR GV2L-GV2P	SCHNEIDER	GV2APN01
	2	TESYS, SHAFT SUPPORT BRACKET FOR DEEP ENCLOSURE, TESYS DECA, FOR DEPTH EXCEEDING 250 MM	SCHNEIDER	GVAPK11
Q5	1	ACTI9, RESIDUAL CURRENT BREAKER WITH OVERCURRENT PROTECTION (RCBO), ACTI9 IC60H RCBO, 1P + NS, 16A, 30MA, A TYPE, 10000A	SCHNEIDER	A9D1816
Q6	1	ACTI9, MINIATURE CIRCUIT BREAKER (MCB), ACTI9 IC60H DISBO, 1P, 10A, C CURVE, 10000A	SCHNEIDER	A9F54110
X1, X2	2	2000 SERIES, TWIN SWITCH SOCKET OUTLET 250V, 10A	CLIPSAL	2025-WE
	2	CLIPSAL - MOUNTING ACCESSORIES, MOUNTING BOX WITH 20 MM END ENTRIES	CLIPSAL	238-WE
E10	1	MAXI MASTER LED 50W SYMMETRICAL 4000K CRI80 1M FLYING LEAD	PIERLITE	MML50S
Z1	1	TRANSIENT SURGE FILTER, 240 V UN, 20 A	NVENT ERICO/CRITEC	TSF20A240V
SRFN	1	ENCLOSED ACTIVE/NEUTRAL LINK 9	DORE ELECTRICS	100A9C
Q10, Q11, Q12, Q13, Q14	5	ACTI9, MINIATURE CIRCUIT BREAKER (MCB), ACTI9 IC60H DISBO, 1P, 6A, C CURVE, 10000A	SCHNEIDER	A9F54106
CC-Q1	1	ACTI9, MINIATURE CIRCUIT BREAKER (MCB), ACTI9 IC60H DISBO, 1P, 2A, C CURVE, 10000A	SCHNEIDER	A9F54102
CC-E1A	1	STEGO THERMOSTAT SMALL COOLING 0 TO +60 DEGREES CELSIUS 1 NO	NHP/STEGO	KTS11101000
CC-E2A	1	COSMOTEC KRYOS FILTER FAN H119 X W119 X D58MM 230V AC 35M3 PER HOUR	NHP/COSMOTEC	GSV1000220
	6	COSMOTEC KRYOS GRILLE AND FILTER H119 X W119 X D29MM	NHP/COSMOTEC	GSF10
PS-13, PS-14	2	AC-DC DIN RAIL SINGLE OUTPUT POWER SUPPLY WITH BATTERY CHARGER (UPS FUNCTION); OUTPUT 24-30VDC AT 1.25A AND 27.6VDC AT 1.25A	MEAN WELL	DRC-100B
BATTERY 1, BATTERY 2	2	REMC0 RM12-9HR 12V 8.5AH STAND BY BATTERY	REMC0	RM12-9HR
CC-Q15 (24VDC)	1	ACTI9, MINIATURE CIRCUIT BREAKER (MCB), ACTI9 C60H-DC, 1P, 6A, C CURVE, 6KA	SCHNEIDER	A9N61506
CC-Q17, CC-Q25 (24VDC)	2	ACTI9, MINIATURE CIRCUIT BREAKER (MCB), ACTI9 C60H-DC, 1P, 4A, C CURVE, 6KA	SCHNEIDER	A9N61504
CC-Q18, CC-Q19, CC-Q20, P1-Q8, P2-Q8 (24VDC)	5	ACTI9, MINIATURE CIRCUIT BREAKER (MCB), ACTI9 C60H-DC, 1P, 2A, C CURVE, 6KA	SCHNEIDER	A9N61502
CC-U1	1	SCHNEIDER ELECTRIC TRIO QR450 DIGITAL DATA RADIO	SCHNEIDER	TBURQR4HH-E00E1L00
CC-F21	1	TYPE N F/F BULKHEAD COAXIAL RF SURGE PROTECTOR, 10MHZ - 1GHZ, DC BLOCK, 1.5KW, 120UJ, 20KA, BLOCKING CAP, HOLE MOUNT	POLYPHASER	IS-B50LN-C2
RADIO COAX TAIL	1	RG58X TAIL N PLUG TO TNC 1.2M	RFI	92-07R-1.2
ANTENNA	1	RFI 11DBI 450-480MHZ UHF YAGI ANTENNA	YAGI	YB6-61 450
RTU	1	SCADAPACK 334E REMOTE TELEMETRY UNIT	SCHNEIDER	TBUP334-EA55-AB10S
RTU & RADIO DATA CABLE	2	CABAC 0.5 METRE 4 PAIR PVC UNSHIELDED RJ45 - RJ45 CAT5E BLUE PATCH LEAD	CABAC	PL5EBL0.5
	1	HARMONY STO & STU, TOUCH PANEL SCREEN, 5"7 COLOR	SCHNEIDER	HMISTU855
HMI	1	CABAC 3 METRE 4 PAIR PVC UNSHIELDED RJ45 - RJ45 CAT5E BLUE PATCH LEAD	CABAC	PL5EBL3
CC-S10A, CC-S10B, CC-S48A, CC-S48B, CC-S48C	5	CARLO GAVAZZI LIMIT SWITCH 30MM PLASTIC BODY METAL ADJACENT ROLL LEVER NO NC SNAP M20	NHP/CARLO GAVAZZI	P521LMS11R1T00
E1	1	24 VDC FLAT LINEAR LED LIGHT 500 MM	OCEAN CONTROLS	CSL-1240
E2	1	24 VDC FLAT LINEAR LED LIGHT 300 MM	OCEAN CONTROLS	CSL-1140
S10	1	SELECTOR SWITCH CA10 2 POS 1P ON/OFF 90 DEG	KRAUS & NAIMER	CA10 A290 621 FT2
PFR1, PFR2 (240VAC)	2	MINIATURE PLUG IN RELAY, HARMONY ELECTROMECHANICAL RELAYS, 6A, 4CO, WITH LED, LOCKABLE TEST BUTTON, 230V AC	SCHNEIDER	RXM4AB2P7
CC-KS10, CC-K17, CC-K46, CC-K45, CC-K80, CC-K78, P1-K15, P1-K18, P2-K15, P2-K18 (24VDC)	10	MINIATURE PLUG IN RELAY, HARMONY ELECTROMECHANICAL RELAYS, 6A, 4CO, WITH LED, LOCKABLE TEST BUTTON, 24V DC	SCHNEIDER	RXM4AB2BD
	10	HARMONY TIMER RELAYS, SOCKET FOR RXM2 RXM4 RELAYS, SCREW CONNECTORS, SEPARATE CONTACT	SCHNEIDER	RXZE2S114M
	12	HARMONY ELECTROMECHANICAL RELAYS, MAINTAINING CLAMP, FOR RXM SOCKETS EXCEPT PUSH IN SOCKET RXZE14P, PLASTIC	SCHNEIDER	RXZR335
CC-K21T	1	MULTIFUNCTION RELAY, HARMONY TIMER RELAYS, 8A, 2CO, 0.1S...100H, 24V DC OR 24...240V AC DC	SCHNEIDER	RE22R2MMU
CC-K39	1	DISCHARGE LEVEL SENSING RELAY 2NO 24V DC SUPPLY	MULTITRODE	MTRA-5 (84-800106)
SURGE SUPPRESSOR	1	NOVARIS SIGNAL LINE PROTECTOR 1 PAIR 10kA SL420-G	IPD/NOVARIS	SL420-G
	2	NON REVERSING POWER BASE, TESYS ULTRA, 3P, 1NO + 1NC, 12A, 690V	SCHNEIDER	LUB12
	2	ADVANCED CONTROL UNIT, TESYS ULTRA, 3P, 3 TO 12A, 690VAC, PROTECTION & DIAGNOSTIC, CLASS 20, 24VDC COIL	SCHNEIDER	LUCD12BL
	2	COMMUNICATION MODULE, TESYS ULTRA, 24VDC, MODBUS RTU, FRONT SIDE	SCHNEIDER	LULC033
P1-U3, P2-U3	2	CABAC 5 METRE 4 PAIR PVC UNSHIELDED RJ45 - RJ45 CAT5E BLUE PATCH LEAD	CABAC	PL5EBL5
P1-S9, P2-S9	2	SELECTOR SWITCH CA10 3 POS 4P DOUBLE-THROW CENTRE OFF 60DEG ENGRAVED "RUN-OFF-AUTO"	KRAUS & NAIMER	CA10 A213 FT2 AUS0082
P1-F1, P2-F1	2	FLYGT MINICAS PUMP SENSOR MONITOR	FLYGT	83 58 57
F61, F60	2	UK 5-HESI - FUSE MODULAR TERMINAL BLOCK, NOM. VOLTAGE: 800 V, NOMINAL CURRENT: 6.3 A, CROSS SECTION: 0.2 MM2- 4 MM2	PHOENIX CONTACT	UK 5-HESI (3004100)
	2	LITTELFUSE 100MA F GLASS CARTRIDGE FUSE, 5 X 20MM	RS/LITTELFUSE	541-4274 (0217.100MKP)
TERMINALS	83	UK 5 N - FEED-THROUGH TERMINAL BLOCK, NOM. VOLTAGE: 800 V, NOMINAL CURRENT: 32 A, CROSS SECTION: 0.2 MM2 - 6 MM2	PHOENIX CONTACT	UK 5 N (3004362)
	13	USLKG 5 - GROUND TERMINAL, CROSS SECTION: 0.2 MM2 - 6 MM2	PHOENIX CONTACT	USLKG 5 (0441504)
	10	KLM-A - TERMINAL STRIP MARKER CARRIER, FOR USE WITH END CLAMPS E/UK, E/NS 35 N OR CLIPFIX 35, LETTERING FIELD SIZE: 44 X 7 MM	PHOENIX CONTACT	KLM-A (1004348)
	10	D-UK 4/10 - END COVER	PHOENIX CONTACT	D-UK 4/10 (3003020)
	10	CLIPFIX 35 - END BRACKET	PHOENIX CONTACT	CLIPFIX 235 (3022218)
	As Req'd	FBI 10- 6 - FIXED BRIDGE	PHOENIX CONTACT	FBI 10- 6 (0203250)
LEVEL & PRESSURE SENSING INSTRUMENT				
LSH 102	1	FLOAT SWITCH	NOLTA	FN20
LE 103	1	LEVEL PROBE 1m PROBE LENGTH 10 SENSOR POINTS 10m CABLE LENGTH	MULTITRODE	1.0/10-10M FS (837773)
LIT 101	1	SUSPENSION PRESSURE TRANSMITTER FOR HYDROSTATIC LEVEL MEASUREMENT	VEGA	VEGAWELL 52
PT 001	1	MBS 3000 SERIES, GENERAL PURPOSE PRESSURE TRANSMITTER	DANFOSS	MBS 3000

© COPYRIGHT
THIS DRAWING SHALL REMAIN THE PROPERTY
OF THE CITY OF GOLD COAST.
UNAUTHORISED USE OF THIS DRAWING IS
PROHIBITED.

[illegible]



Project No.: OP20333		Design Project Officer		Design Checked – Statutory Certifier										AQUATEC CITY OF GOLD COAST™		S-XX-SPUMP-XXX SEWAGE PUMP STATION COURTNEY DRIVE STAGE 2		Project Number		OP20333					
		Designed/Drawn BB		Signed:								Sheet of						Issue							
		GCCC Project Records File Number TBC		Drawing Checked								13 13						A							
		GCCC Project Identifier\–\CAD File Name		Signed:																					
		OP20333 – COURTNEY DRIVE STAGE 2 SPS REV. A																							
Project No.: OP20333		GCCC Contract Records File Number		TBC		A		ISSUED FOR REVIEW		B. BALUYOT		BB		11.04.24		Do not scale, use figured dimensions only		PO Box 5042, Gold Coast MC 9729		MAIN SWITCHBOARD TELEMETRY POLE LOCATION		GCCC Drawing Number		XXXXXX.017	
		Issue		Description		Name		Initial		Date															
		Design not to be amended without authorisation by Statutory Certifier																							