

22-Feb-22 Lim, Michael

C:\Michael's Backup\17r. New Boards 2020\WG Standard Drawings\WG.STD.E.000 Colour Code Cable Loom Terminal Connection.dwg


REV.	ZONE	REVISION	DATE	APP'D
0		NEW DRAWING	19.07.21	M.L.

DESIGNED	DRAWN	SERWA
	M.L.	
	19.07.21	
DESIGN CHECK	DRAFT CHECK	SE WATER
J.S.		
19.07.21		
APPROVED		

South East Water

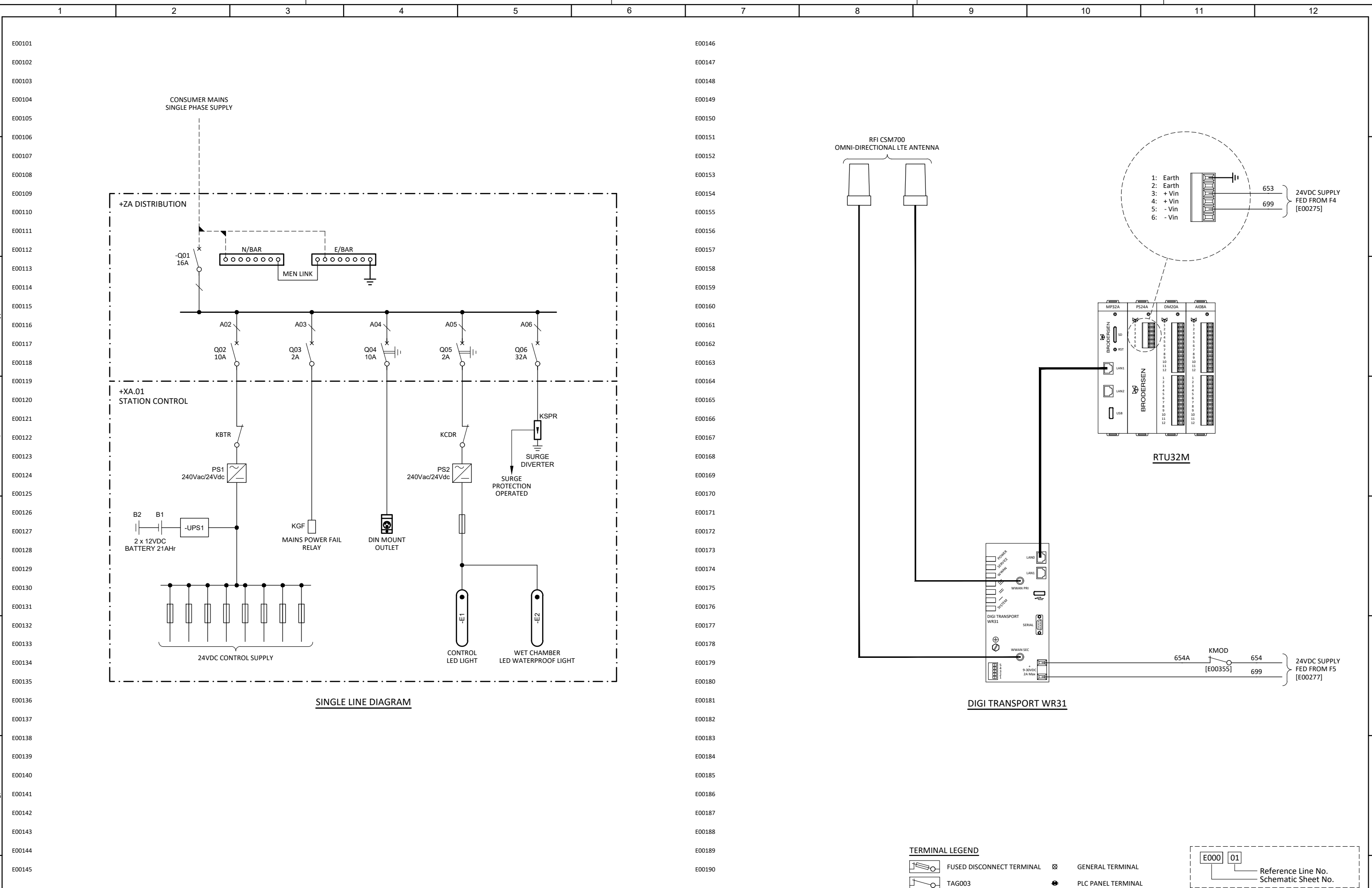
 101 Wells Street
 Frankston 3199

**PRESSURE AND FLOW MONITORING STATION
 DESIGN DRAWINGS STANDARDS
 COLOUR CODE CABLE LOOM
 TERMINAL CONNECTION**

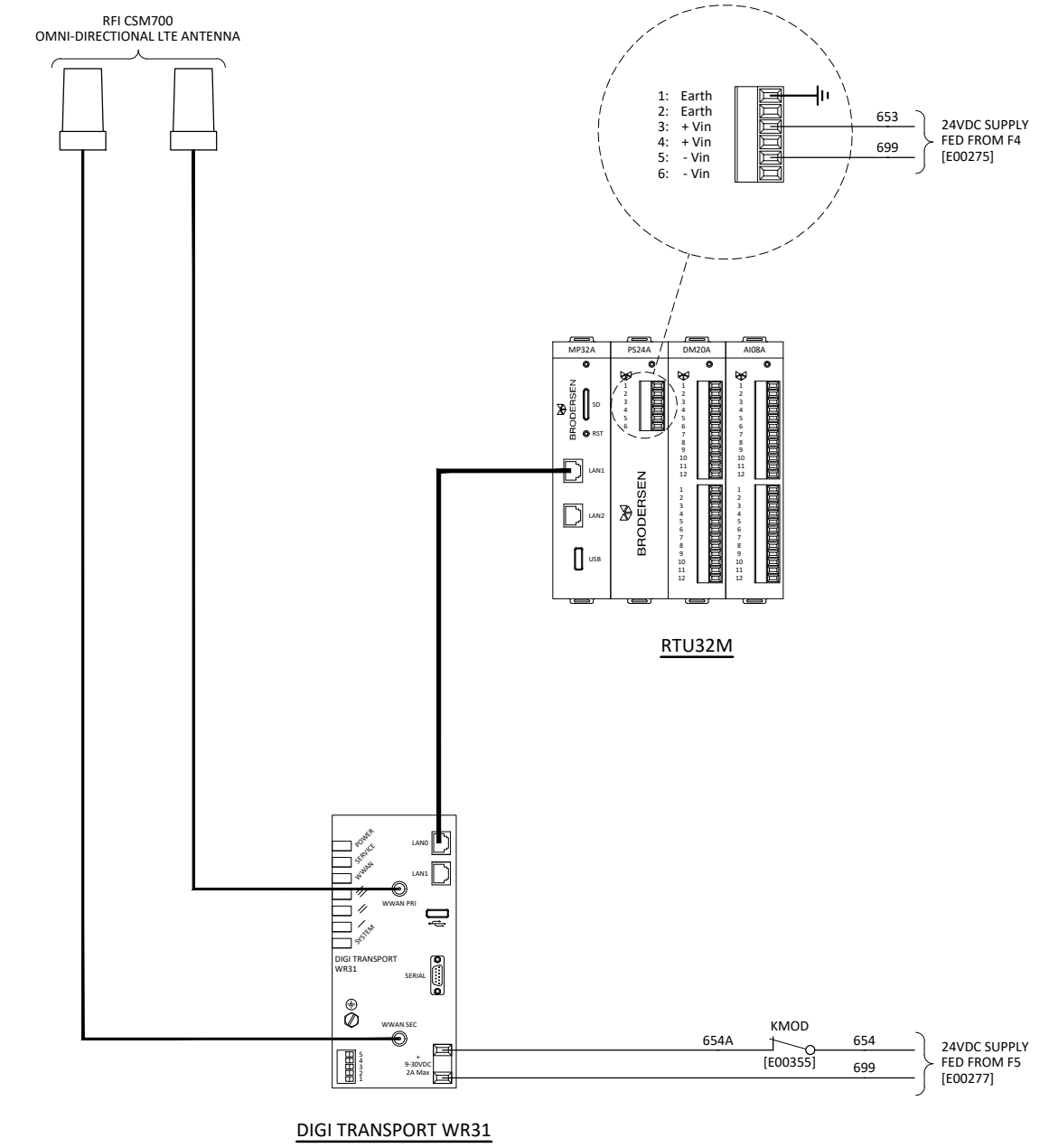
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DRAWING NUMBER		
WG.STD.E.000	0	
NUMERAL	REV	

22-Feb-22 Lim, Michael

C:\Michael's Backup\17r. New Boards 2020\WG Standard drawings\WG.STD.E.001 Single Line & RTU Connection.dwg



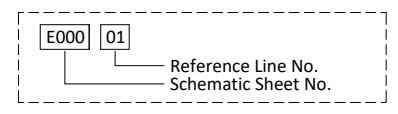
SINGLE LINE DIAGRAM



DIGI TRANSPORT WR31

TERMINAL LEGEND

- FUSED DISCONNECT TERMINAL
- TAG003
- GENERAL TERMINAL
- PLC PANEL TERMINAL



REV.	ZONE	REVISION	DATE	APP'D
3		WIRE NUMBERS REVISED	22.02.22	M.L.
2		SURGE DIVERTER ADDED	25.02.21	M.L.
1		CUBICLE LIGHTS CONTROL REVISED	22.12.20	M.L.
0		FIRST ISSUE	17.09.20	J.S.

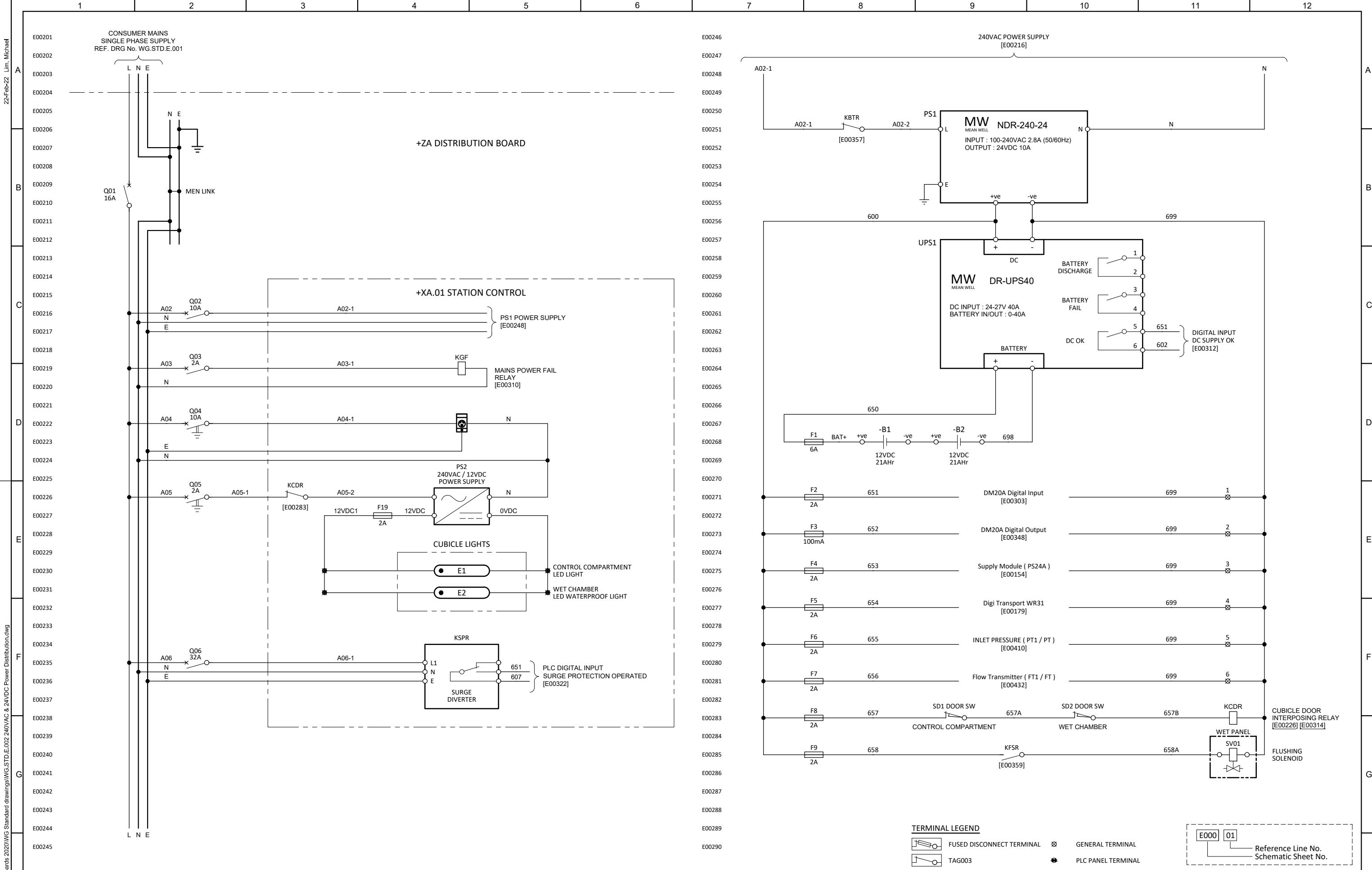
DESIGNED	DRAWN	SERWA
	M.L.	
	19.11.19	
DESIGN CHECK	DRAFT CHECK	SE WATER
J.S.		
	19.11.19	
APPROVED		

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101 Wells Street
Frankston 3199

PRESSURE AND FLOW MONITORING STATION
DESIGN DRAWINGS STANDARDS
SINGLE LINE & RTU CONNECTION
SCHEMATIC DIAGRAM

DO NOT SCALE		
SCALE:		
DRAWING NUMBER		
WG.STD.E.001		3
NUMERAL		REV



22-Feb-22 Lim, Michael
C:\Michael's Backup\17c - New Boards 2020\WG Standard Drawings\WG.STD.E.002 240VAC & 24VDC Power Distribution.dwg

4	WIRE NUMBERS REVISED	22.02.22	M.L.
3	KCDR TO PLC REVISED TO NORMALLY CLOSED	23.09.21	M.L.
2	MINOR REVISION	25.02.21	M.L.
1	CUBICLE LIGHTS NOW 24VDC. ADDED POWER SUPPLY PS2	22.12.20	M.L.
0	FIRST ISSUE	17.09.20	J.S.
REV.	ZONE	REVISION	DATE

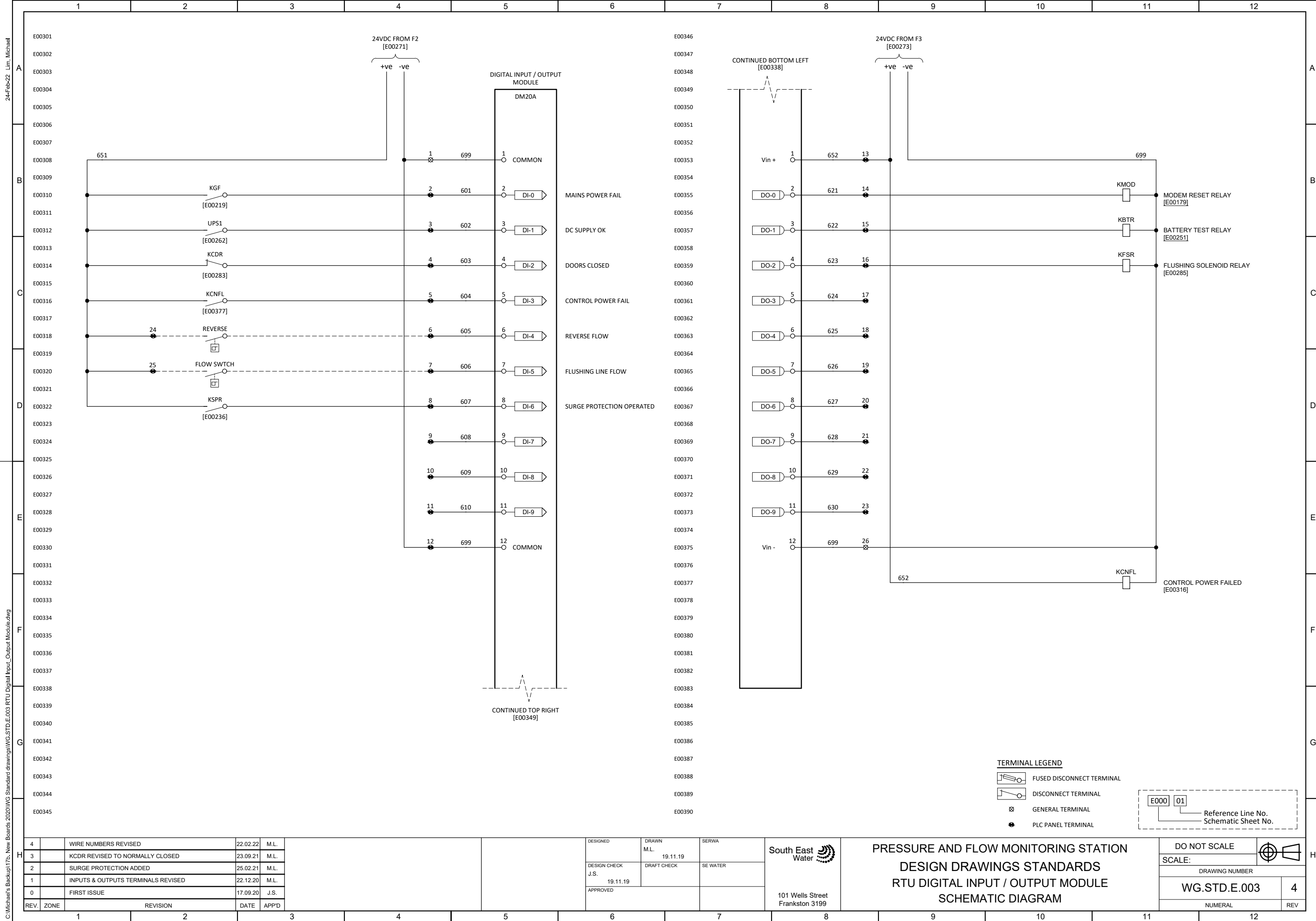
DESIGNED	DRAWN	SERVA
J.S.	M.L.	SE WATER
19.11.19	19.11.19	
APPROVED		

South East Water

101 Wells Street
Frankston 3199

PRESSURE AND FLOW MONITORING STATION
DESIGN DRAWINGS STANDARDS
240VAC & 24VDC POWER DISTRIBUTION
SCHEMATIC DIAGRAM

DO NOT SCALE	
SCALE:	
DRAWING NUMBER	
WG.STD.E.002	4
NUMERAL	REV



24-Feb-22 Lim, Michael
 C:\Michael's Backup\17r. New Boards 2020\WG Standard Drawings\WG.STD.E.003 RTU Digital Input/Output Module.dwg

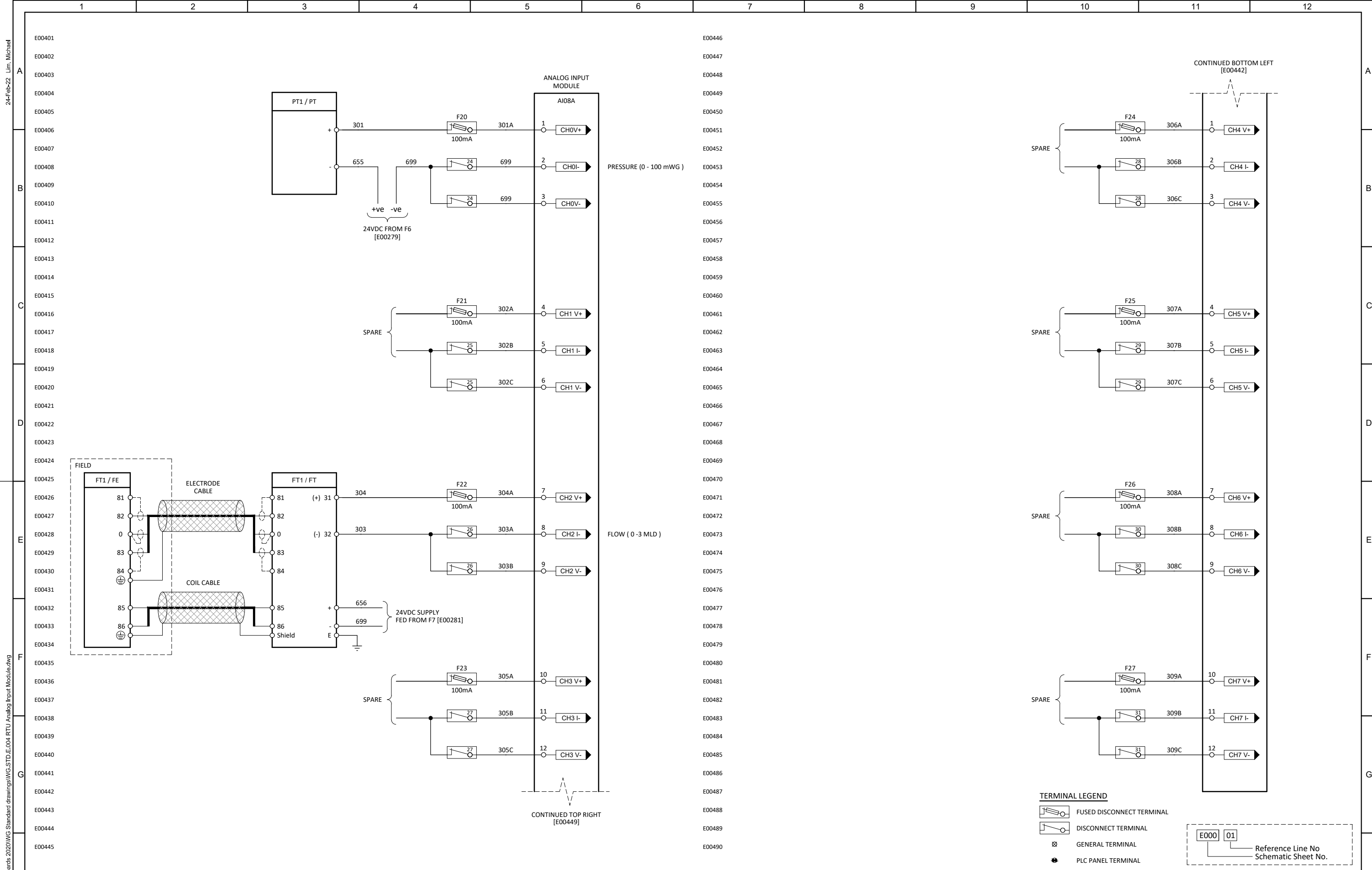
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4		WIRE NUMBERS REVISED	22.02.22	M.L.
3		KCDR REVISED TO NORMALLY CLOSED	23.09.21	M.L.
2		SURGE PROTECTION ADDED	25.02.21	M.L.
1		INPUTS & OUTPUTS TERMINALS REVISED	22.12.20	M.L.
0		FIRST ISSUE	17.09.20	J.S.

DESIGNED	DRAWN	SERWA
J.S.	M.L.	
19.11.19	19.11.19	
DRAFT CHECK	DRAFT CHECK	SE WATER
J.S.		
APPROVED		

101 Wells Street
 Frankston 3199

PRESSURE AND FLOW MONITORING STATION
DESIGN DRAWINGS STANDARDS
RTU DIGITAL INPUT / OUTPUT MODULE
SCHEMATIC DIAGRAM

DO NOT SCALE		
SCALE:		
DRAWING NUMBER		
WG.STD.E.003		4
NUMERAL	REV	



PRESSURE (0 - 100 mWG)

FLOW (0 - 3 MLD)

TERMINAL LEGEND

	FUSED DISCONNECT TERMINAL
	DISCONNECT TERMINAL
	GENERAL TERMINAL
	PLC PANEL TERMINAL

E000	01	Reference Line No Schematic Sheet No.
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REV.	ZONE	REVISION	DATE	APP'D
2		WIRE NUMBERS REVISED	22.02.22	M.L.
1		ANALOG INPUTS TERMINALS REVISED	22.12.20	M.L.
0		FIRST ISSUE	17.09.20	J.S.

DESIGNED	DRAWN	SERWA
J.S.	M.L.	
19.11.19	19.11.19	
APPROVED	DRAFT CHECK	SE WATER

South East Water

101 Wells Street
Frankston 3199

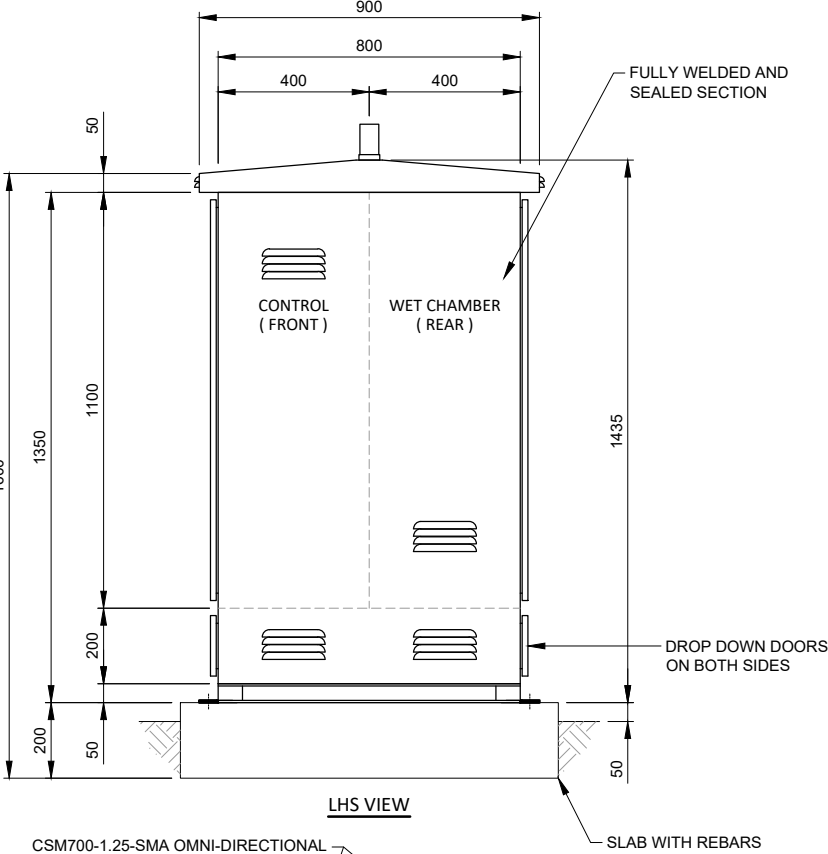
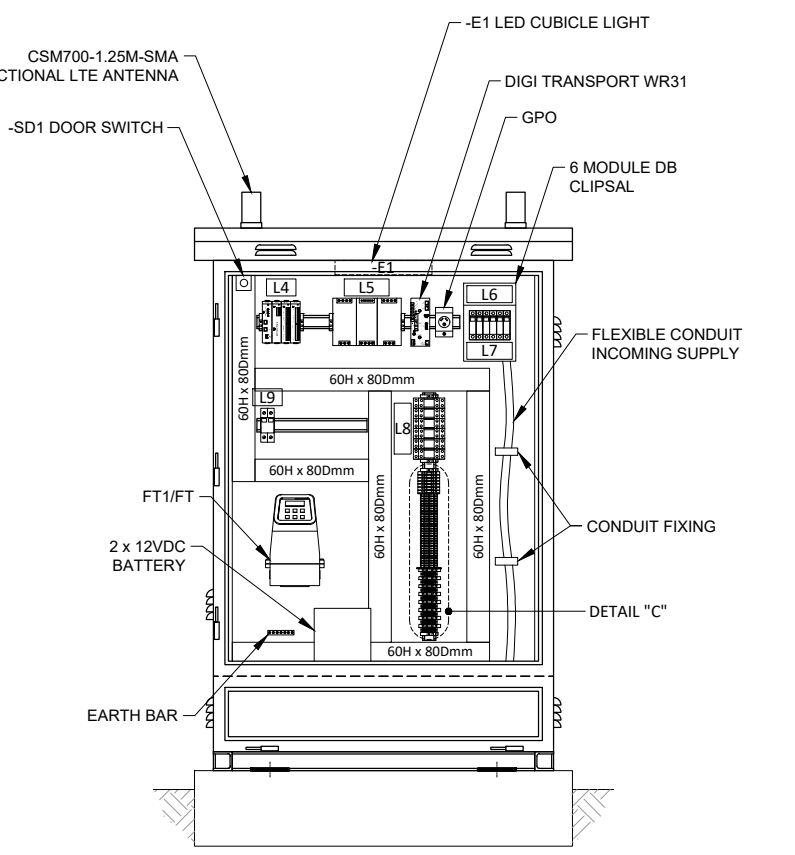
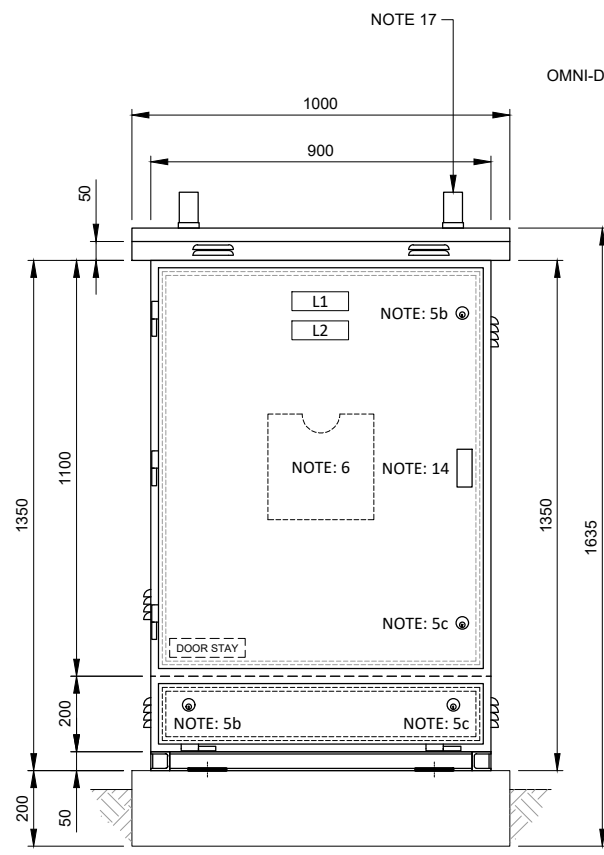
PRESSURE AND FLOW MONITORING STATION
DESIGN DRAWINGS STANDARDS
RTU ANALOG INPUT MODULE
SCHEMATIC DIAGRAM

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SCALE:	
DRAWING NUMBER	
WG.STD.E.004	2
NUMERAL	REV

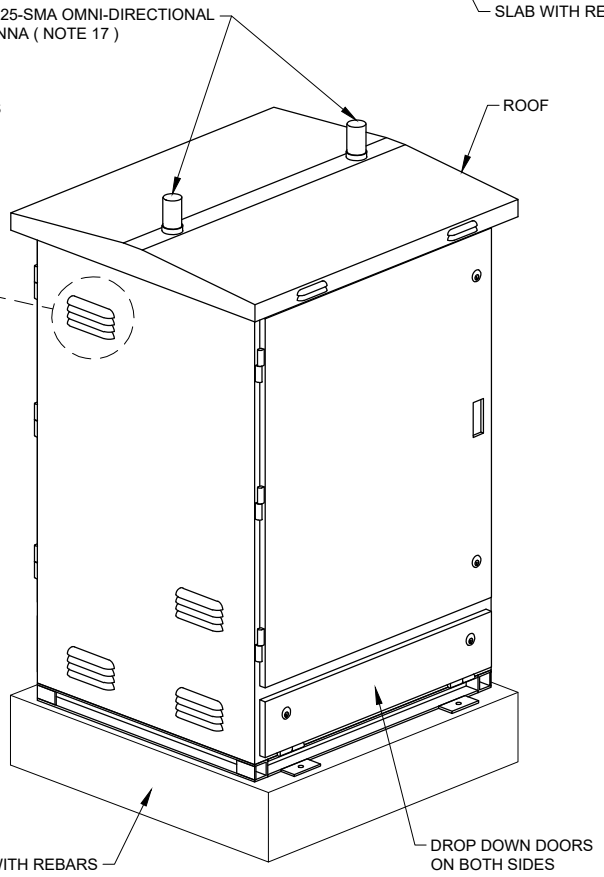
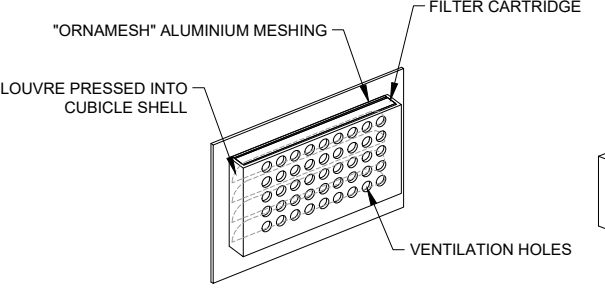
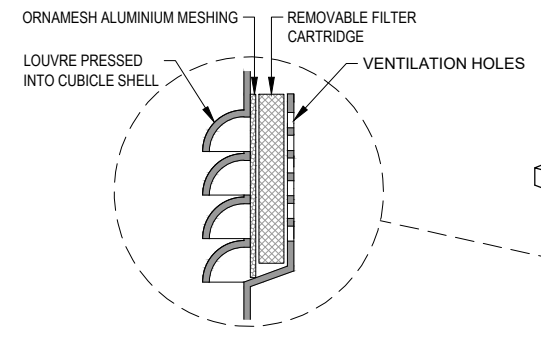
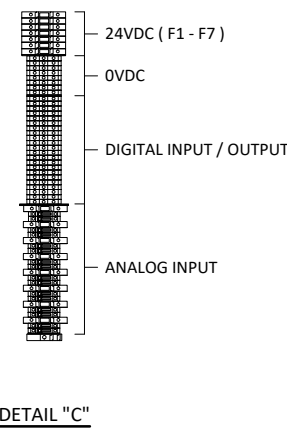
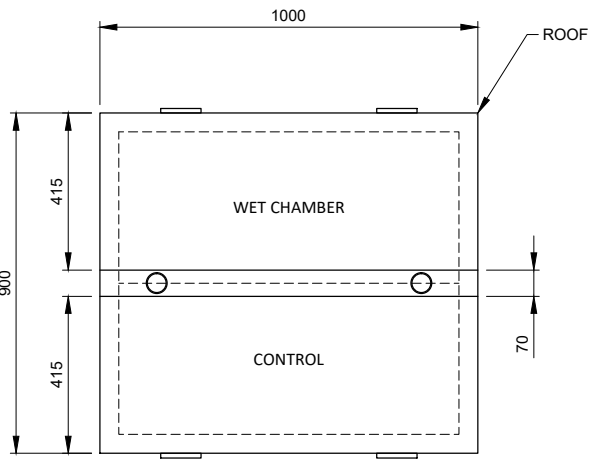
C:\Michael's Backup\17b. New Boards 2020\WG Standard Drawings\WG.STD.E.004 RTU Analog Input Module.dwg

24-Feb-22 Lim, Michael

A3



- CONSTRUCTION NOTES :**
- SWITCHBOARD TYPE FORM 1, TO AS3439.1 - 1993.
 - DEGREE OF PROTECTION IP56, TO AS1939.
 - CUBICLE MANUFACTURE FROM 3mm ALUMINIUM.
 - GEAR TRAYS FROM MILD STEEL.
 - EXTERNAL DOORS:
 - HINGES LENLOCK, CHROME PLATED, LIFT-OFF TOP HINGE 5mm LONGER THAN OTHERS.
 - TOP OR RIGHT LOCK 100 NIGHTLATCH, ABLOY 201 CYLINDERS 5AP100 KEYING SYSTEM, M3 KEYS BY API SECURITY.
 - BOTTOM OR LEFT LOCK 213 DEADBOLT, ABLOY 201 CYLINDERS 5AP100 KEYING SYSTEM, M3 KEYS BY API SECURITY.
 - OPENING 135 DEGREES.
 - SEALED WITH NEOPRENE STRIPS.
 - STIFFEN WERE REQUIRED.
 - LOG BOOK/DRAWING HOLDER 280 x 280 x 60.
 - "WET" SECTION TO BE FULLY WELDED AND SEALED.
 - GEAR TRAYS TO BE OF MAXIMUM HEIGHT POSSIBLE.
 - PROVIDE CUBICLE LIGHTING.
 - GLAND PLATES TO COVER FULL WIDTH AND DEPTH OF COMPARTMENT.
 - GLAND PLATES SEALED WITH NEOPRENE STRIPS.
 - FINISH:
 - EXTERNAL: POWDER COATED RIVERGUM GREEN G62 TO AS2700 (GLOSS).
 - INTERNAL: ALL INNER SURFACES, INNER DOORS, ESCUTCHEONS, GEAR TRAYS AND GLAND PLATES POWDER COAT - GLOSS WHITE N14.
 - FIT DOORS WITH STAINLESS STEEL DOOR STAY.
 - FIT RECESSED HANDLES (40 x 100) TO OUTER DOORS
 - PLINTH:
 - 50mm x 50mm x 5mm CHANNEL HOT DIPPED GALVANISED. TOE OUT ALL ROUND.
 - ALL EXTERNAL LOUVRES TO BE PRESSED IN THE ALUMINIUM ARE TO BE FITTED WITH 'ORNAMESH' ALUMINIUM MESHING.
 - ANTENNA CABLES TO BE WIRED THROUGH WET PANEL (ALL CABLES THROUGH WET PANEL TO BE GLANDED)



LABEL SCHEDULE		
LABEL No.	ENGRAVING	DESCRIPTION
L1	SOUTH EAST WATER LIMITED WGxxxx (site address) EMERGENCY PHONE 132812	STAINLESS STEEL LABEL 230mm x 80mm (S/S RIVETS)
L2	CONTROL	STAINLESS STEEL LABEL (S/S RIVETS)
L3	WET CHAMBER	STAINLESS STEEL LABEL (S/S RIVETS)
L4	RTU32M	WHITE LABEL / BLACK TEXT
L5	PS1 UPS1 PS2	WHITE LABEL / BLACK TEXT
L6	EARTH STAKE UNDER CUBICLE	WHITE LABEL / BLACK TEXT
L7	MAIN SWITCH CONTROL MAINS POWER FAIL RELAY PROTECTED POWER OUTLET CUBICLE LIGHT SURGE DIVERTER	WHITE LABEL / BLACK TEXT
L8	-KGF -KCNFL -KBTR -KMOD -KFSR -KCDR	WHITE LABEL / BLACK TEXT
L9	SURGE DIVERTER	WHITE LABEL / BLACK TEXT

REV	DESCRIPTION	JOB No	DRAFTER	DES REVIEW	PM APPD	DATE
3	SLAB SIZE REVISED TO 1000m x1000m		M.L			10.05.22
2	SURGE DIVERTER ADDED		M.L			25.02.21
1	ADDED NOTE 17		M.L			22.12.20
0	FIRST ISSUE		M.L			17.09.20

DESIGNER	DRAFTER	SEW PROJECT MANAGER
J.STREET	M.LIM	
	02.09.20	

South East Water

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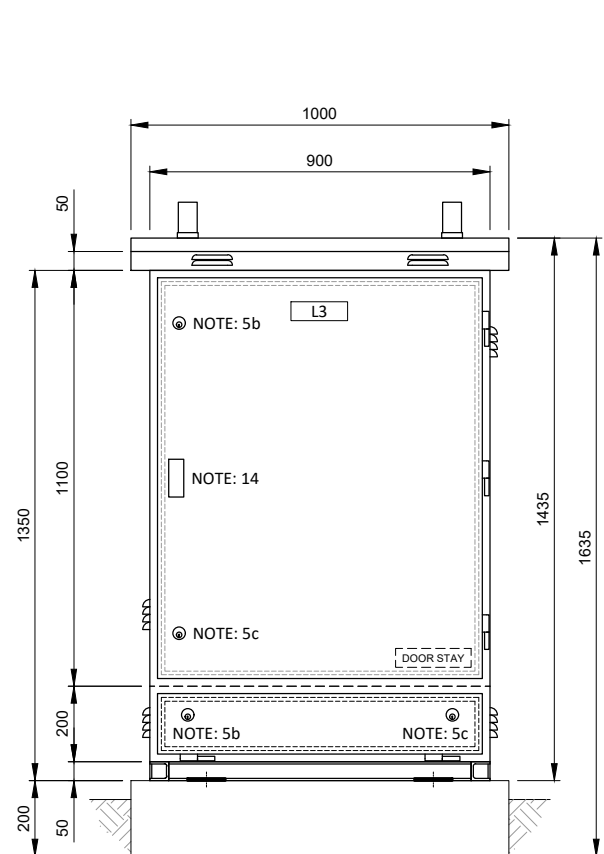
**PRESSURE AND FLOW MONITORING STATION
DESIGN DRAWINGS STANDARDS
CONTROL CUBICLE
GENERAL ARRANGEMENT (SHEET 1 OF 2)**

DATUM:
MELWAY REF:
SCALE:
SHEET SIZE: A1

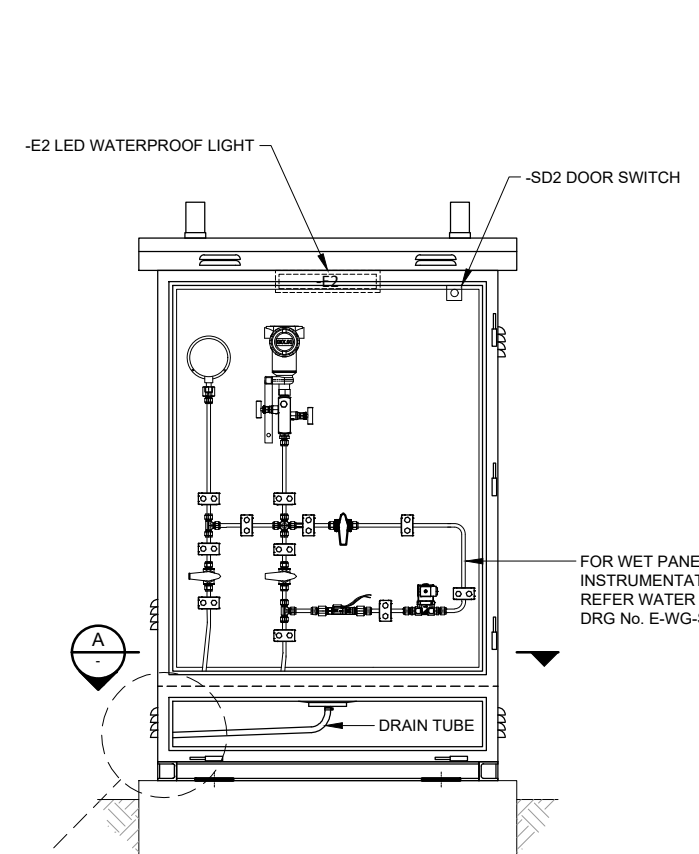
SEW DRAWING NUMBER
WG.STD.E.006

SEW JOB No:
REV **3**

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Printed @ 10/5/2022 6:49am by mlim

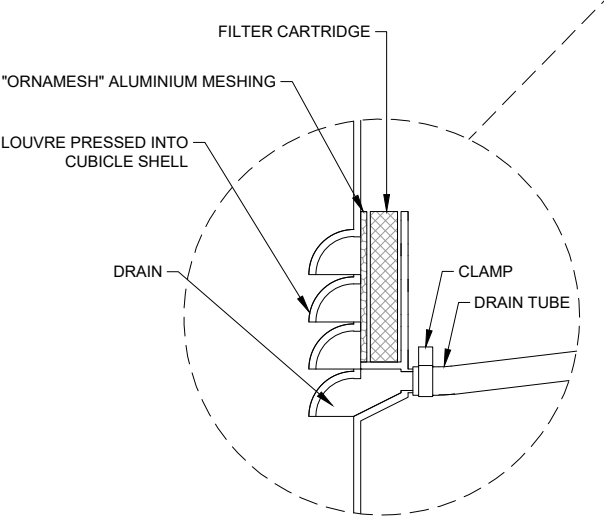


REAR ELEVATION (DOORS ON)

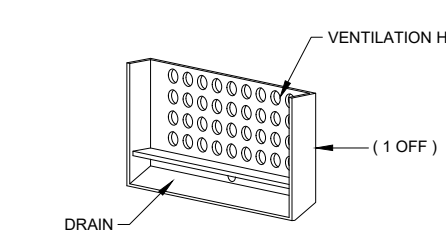


REAR ELEVATION (DOORS REMOVED)

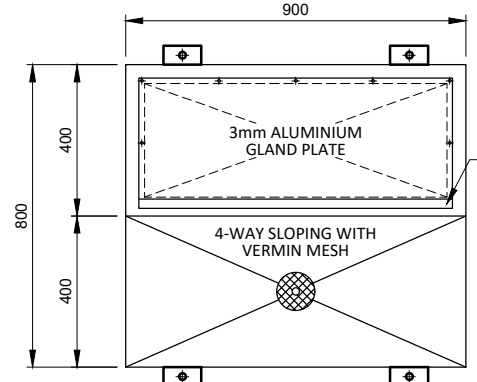
FOR WET PANEL INSTRUMENTATION DETAILS REFER WATER STANDARD DRG No. E-WG-STD-005



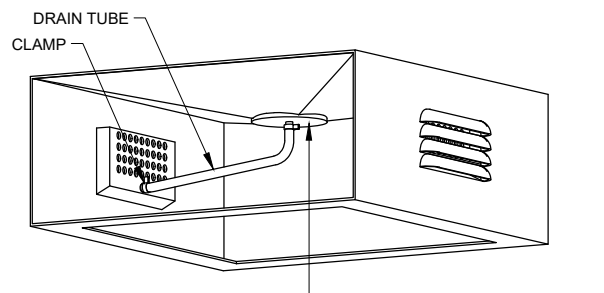
WET CHAMBER VENTILATION LOUVRE (1 OFF)



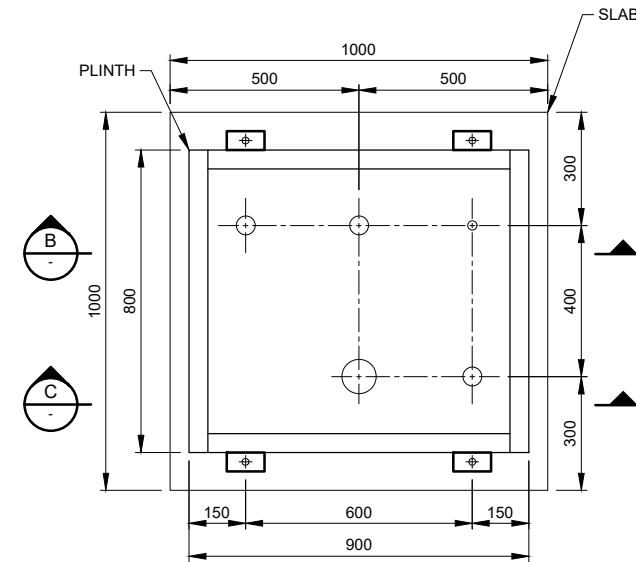
WET CHAMBER VENTILATION LOUVRE ISOMETRIC VIEW LOUVRE, FILTER CARTRIDGE & "ORNAMESH" ALUMINIUM MESHING NOT SHOWN FOR CLARITY



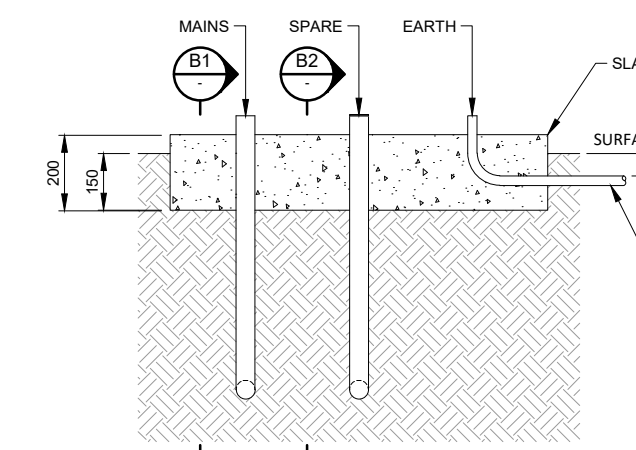
SECTION A



WET CHAMBER DRAINAGE ISOMETRIC VIEW

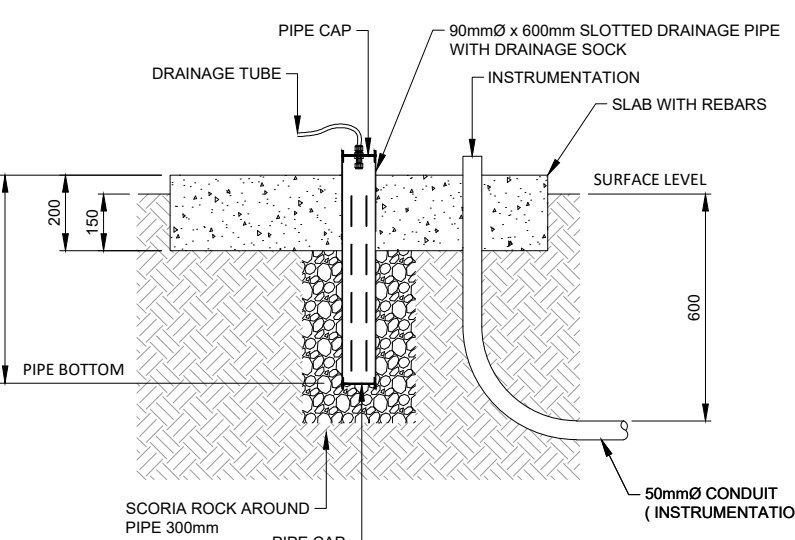


PLINTH & SLAB PLAN VIEW



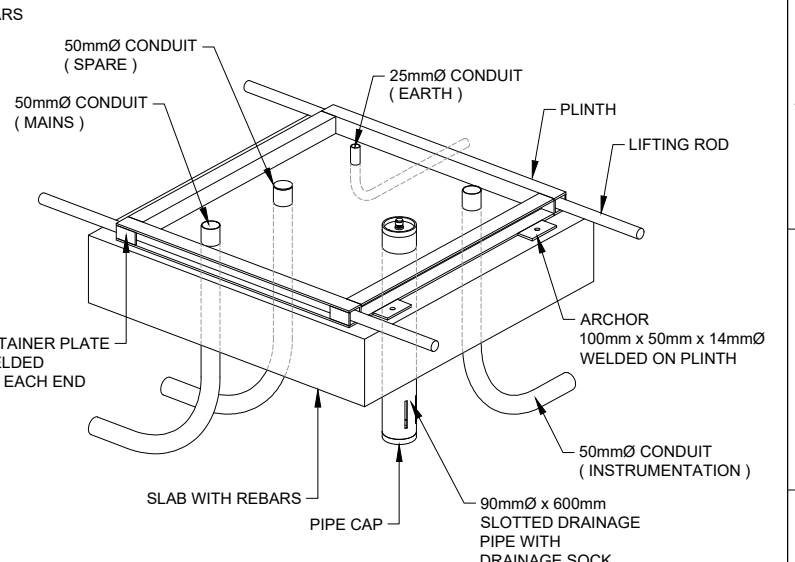
SECTION B

PLINTH NOT SHOWN FOR CLARITY

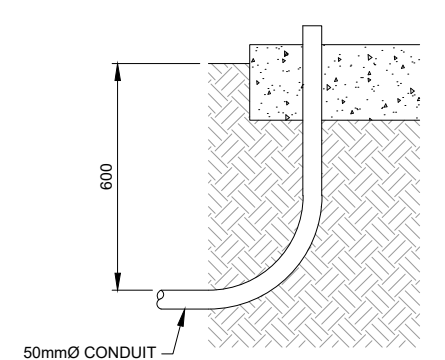


SECTION C

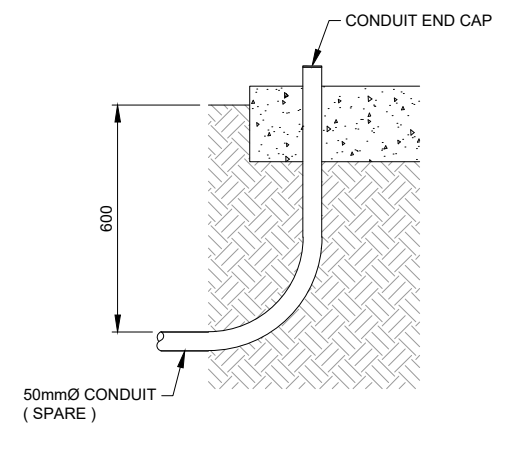
PLINTH NOT SHOWN FOR CLARITY



PLINTH & SLAB ISOMETRIC VIEW



SECTION B1



SECTION B2

CAD FILE NAME: C:\Users\mlim\Downloads\New_Archive_2022\5101054\3101_VG STD.E.007 Central Cubicle General Arrangement - sh. 2 of 2.dwg

REV	DESCRIPTION	JOB No	DRAFTER	DES REVIEW	PM APP'D	DATE
1	SLAB SIZE REVISED TO 1000m x1000m		M.L.			10.05.22
0	FIRST ISSUE		M.L.			17.09.20

DESIGNER	DRAFTER	SEW PROJECT MANAGER
J.STREET	M.LIM	
DESIGN REVIEW	DRAFT CHECK	ASSET/ENG. MANAGER
J.STREET		
APPROVED		

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PRESSURE AND FLOW MONITORING STATION
DESIGN DRAWINGS STANDARDS
CONTROL CUBICLE
GENERAL ARRANGEMENT (SHEET 2 OF 2)

DATUM:	
MELWAY REF:	
SCALE:	
SEW DRAWING NUMBER	
WG.STD.E.007	1
SEW JOB No:	
	REV