DIAGRAM LIST (1)

ITEM	DESCRIPTIONS	DWG.	Rev.
1	DIAGRAM LIST	A01	A
2	LEGEND ILLUSTRATION	B01	A
3	SINGLE LINE DIAGRAM	C01	A
4	DC POWER SUPPLY DIAGRAM	C02	A
5	GIS Q01 CT & RCP F01 PROTECTION RELAY CIRCUIT DIAGRAM	D01	A
6	GIS Q02 CT & RCP F02 PROTECTION RELAY CIRCUIT DIAGRAM	D02	A
7	GIS Q03 (MOF CT & PT) CIRCUIT DIAGRAM	D03A	A
8	GIS Q03 CT & RCP IN01 PROTECTION RELAY CIRCUIT DIAGRAM	D03B	A
9	GIS Q03 (MOF CT / PT / BUS PT) CIRCUIT DIAGRAM	D03C	A
10	GIS Q04 CT & RCP F03 PROTECTION RELAY CIRCUIT DIAGRAM	D04	A
11	GIS Q05 CT & RCP F04 PROTECTION RELAY CIRCUIT DIAGRAM	D05	A
12	87B PROTECTION RELAY CIRCUIT DIAGRAM	DBP	A
13	GIS Q01 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP F01	E01	A
14	GIS Q02 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP F02	E02	A
15	GIS Q03 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP IN01	E03	A
16	GIS Q04 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP F03	E04	A
17	GIS Q05 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP F04	E05	A
18	GIS Q01 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP F01	F01	A
19	GIS Q02 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP F02	F02	A
20	GIS Q03 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP IN01	F03	A
21	GIS Q04 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP F03	F04	A
22	GIS Q05 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP F04	F05	A
23	GIS Q01 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	G01A	A
24	GIS Q01 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	G01B	A
25	GIS Q02 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	G02A	A
26	GIS Q02 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	G02B	A
27	GIS Q03 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	G03A	A
28	GIS Q03 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	G03B	A
29	50+2-1,2 CB ON-OFF COMMAND CONTROL CIRCUIT DIAGRAM (1)	G03C	A
30	50+2-1,2 CB ON-OFF COMMAND CONTROL CIRCUIT DIAGRAM (2)	G03D	A
31	GIS Q04 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	G04A	A
32	GIS Q04 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	G04B	A
33	GIS Q05 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	G05A	A
34	GIS Q05 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	G05B	A
35	87B PROTECTION RELAY TRIP CIRCUIT DIAGRAM	GBP	A
36	ALARM SYSTEM 30RY-1 CIRCUIT DIAGRAM FOR RCP F01	H01	A
37	ALARM SYSTEM 30RY-2 CIRCUIT DIAGRAM FOR RCP F02	H02	A
38	ALARM SYSTEM 30RY-3 CIRCUIT DIAGRAM FOR RCP IN01	H03	A
39	ALARM SYSTEM 30RY-4 CIRCUIT DIAGRAM FOR RCP F03	H04	A
40	ALARM SYSTEM 30RY-5 CIRCUIT DIAGRAM FOR RCP F04	H05	A
41	ALARM SYSTEM WINDOWS DIAGRAM FOR RCP F01 & RCP F02	I01	A
42	ALARM SYSTEM WINDOWS DIAGRAM FOR RCP IN01	I02	A
43	ALARM SYSTEM WINDOWS DIAGRAM FOR RCP F03 & RCP F04	I03	A
44	GIS Q01 CB,DS,ES ON-OFF STATUS FOR SCADA (RET670)	K01A	A
45	GIS Q01 ALARM STATUS FOR RTU	K01B	A
46	RCP F01 PROTECTION RELAY & 43 STATUS FOR RTU	K01C	A
47	GIS Q02 CB,DS,ES ON-OFF STATUS FOR SCADA (RET670)	K02A	A
48	GIS Q02 ALARM STATUS FOR RTU	K02B	A
49	RCP F02 PROTECTION RELAY & 43 STATUS FOR RTU	K02C	A
50	GIS Q03 CB,DS,ES ON-OFF STATUS FOR SCADA (7SL85)	K03A	A

ITEM	DESCRIPTIONS	DWG.	Rev.
51	GIS Q03 ALARM STATUS SIGNAL FOR RTU	K03B	A
52	161KV RCP IN01 RELAY & 43 STATUS FOR RTU	K03C	A
53	GIS Q04 CB,DS,ES ON-OFF STATUS FOR SCADA (RET670)	K04A	A
54	GIS Q04 ALARM STATUS FOR RTU	K04B	A
55	RCP F03 PROTECTION RELAY & 43 STATUS FOR RTU	K04C	A
56	GIS Q05 CB,DS,ES ON-OFF STATUS FOR SCADA (RET670)	K05A	A
57	GIS Q05 ALARM STATUS FOR RTU	K05B	A
58	RCP F04 PROTECTION RELAY & 43 STATUS FOR RTU	K05C	A
59	LIGHTING CIRCUIT DIAGRAM FOR RCP	L01	A
60	MATERIAL LIST	M01	A
61	CONTROL PANEL FRONT VIEW	P01	A
62	CONTROL PANEL BASE CHANNEL VIEW	P02	A
63	CONTROL PANEL TOP CHANNEL VIEW	P03	A
64	CONTROL PANEL SIDE VIEW	P04	A
65	CONTROL PANEL REAR VIEW	P05	A
66	電驛及控制盤製裝規範(一)	Q01	A
67	電驛及控制盤製裝規範(二)	Q02	A
68	電驛及控制盤製裝規範(三)	Q03	A
69	TERMINAL BLOCK DIAGRAM FOR RCP F01 (1)	T01A	A
70	TERMINAL BLOCK DIAGRAM FOR RCP F01 (2)	T01B	A
71	TERMINAL BLOCK DIAGRAM FOR RCP F02 (1)	T02A	A
72	TERMINAL BLOCK DIAGRAM FOR RCP F02 (2)	T02B	A
73	TERMINAL BLOCK DIAGRAM FOR RCP IN01 (1)	T03A	A
74	TERMINAL BLOCK DIAGRAM FOR RCP IN01 (2)	T03B	A
75	TERMINAL BLOCK DIAGRAM FOR RCP F03 (1)	T04A	A
76	TERMINAL BLOCK DIAGRAM FOR RCP F03 (2)	T04B	A
77	TERMINAL BLOCK DIAGRAM FOR RCP F04 (1)	T05A	A
78	TERMINAL BLOCK DIAGRAM FOR RCP F04 (2)	T05B	A
79	TRIP LOGICAL DIAGRAM FOR RCP F01	X01	A
80	TRIP LOGICAL DIAGRAM FOR RCP F02	X02	A
81	TRIP LOGICAL DIAGRAM FOR RCP IN01	X03	A
82	TRIP LOGICAL DIAGRAM FOR RCP F03	X04	A
83	TRIP LOGICAL DIAGRAM FOR RCP F04	X05	A
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Issued for	Date	Rev.	Derived fm	Replaces
For Approval	2021-10-08	D		
For Approval	2021-09-08	C		
For Approval	2021-09-06	B		
For Approval	2021-08-17	A		

Project: VENA ENERGY
161KV GIS S/S PROJECT
Customer 韋能台西

Approved by	Jeff Lu	Date 2021-06-18
Checked by	Jeff Lu	Date 2021-06-18
Prepared by	Chuan Hua	Date 2021-06-18

Title: DIAGRAM LIST

台灣日立電網股份有限公司

Doc. des.	DWG. NO. VENA- A01	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～

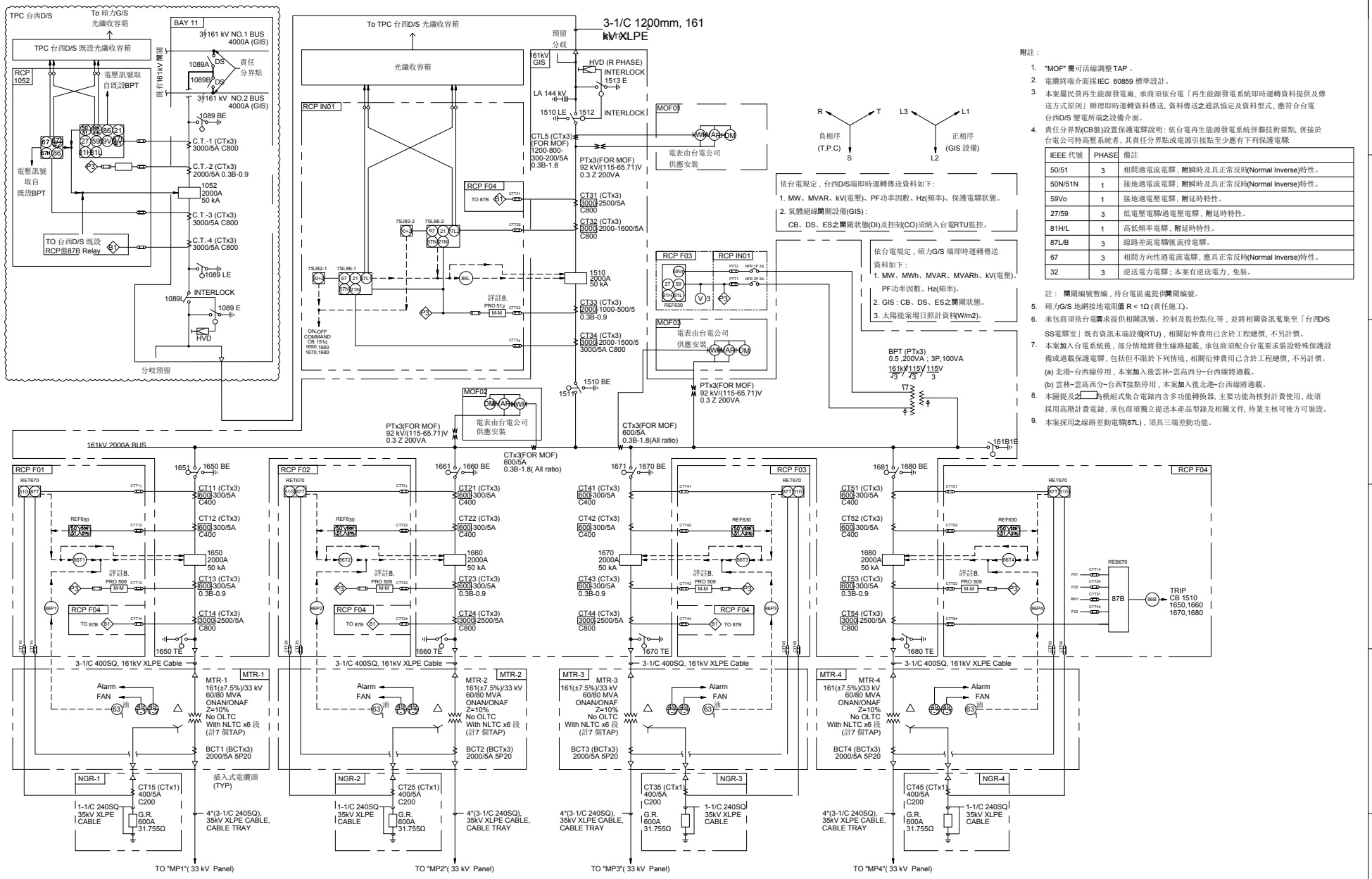
ITEM	SYMBOLS	DESCRIPTION
1	21	DISTANCE RELAY
2	67	DIRECTIVE OVER CURREN RELAY
3	50/51 50N/51N	OVER CURRENT RELAY
4	81H/L	FREQUENCY RELAY
5	50N/51N	GROUND OVER CURRENT RELAY
6	87T	TRANSFORMER DIFFERENTIAL RELAY
7	30	ANNUNCIATOR RELAY
8	87B	BUS DIFFERENTIAL RELAY
9	27/59	COMBINED OVERVOLTAGE AND UNDERVOLTAGE RELAY
10	86B	BUS LOCKOUT RELAY
11	86L	LINE LOCKOUT RELAY
12	86T	TRANSFORMER LOCKOUT RELAY
13	59Vo 59G	GROUND OVER VOLTAGE RELAY
14	V	VOLTAGE METER
15	V V/TD	VOLTAGE TRANSDUCER
16	A	AMPER METER
17	A A/TD	CURRENT TRANSDUCER

ITEM	SYMBOLS	DESCRIPTION
18	WH	WH METER
19	W	W METER
20	W	WATT TRANSDUCER
21	KVAR	VAR METER
22	PF	POWER FACTOR METER
23	PF	PF TRANSDUCER
24	M	MOTOR OPERATED EARTHING SWITCH
25		MANAUL OPERATED EARTHING SWITCH
26		CURRENT TRANSFORMER
27		BUS PT
28		POWER TRANSFORMER
29		CTT
30		EARTHING
31		NORMAL OPEN CONTACT
32		NORMAL CLOSE CONTACT
33	TB1	WIRING TERMINAL
34	1 6/C 3.5	WIRE NUMBER AND SIZE

ITEM	SYMBOLS	DESCRIPTION
35	BZ	BUZZER
36		LIMIT SWITCH
37		D FUSE
38	TC	TRIPPING COIL
39	P	WIRING COIL
40	QO	161KV GCB
41	M	MOTOR OPERATED DISCONNECTING SWITCH
42	KVAR	VAR TRANSOUCER
43		INDICATING LAMP
44		PUSH BUTTON SWITCH
45		PTT
46	WVAR	W AND VAR TRANSDUCER
47	32	POWER RELAY
48	85	PILOT WIRE RELAY
49	51G	GROUND OVER CURRENT RELAY
50	43	切換開關
51	87L	LINE DIFFERENTIAL RELAY

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title LEGEND ILLUSTRATION
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA-B01		
Resp. dept.	Scale	Lang.	
Doc. No.		Sheet 1	
		Cont. ～	



附註：

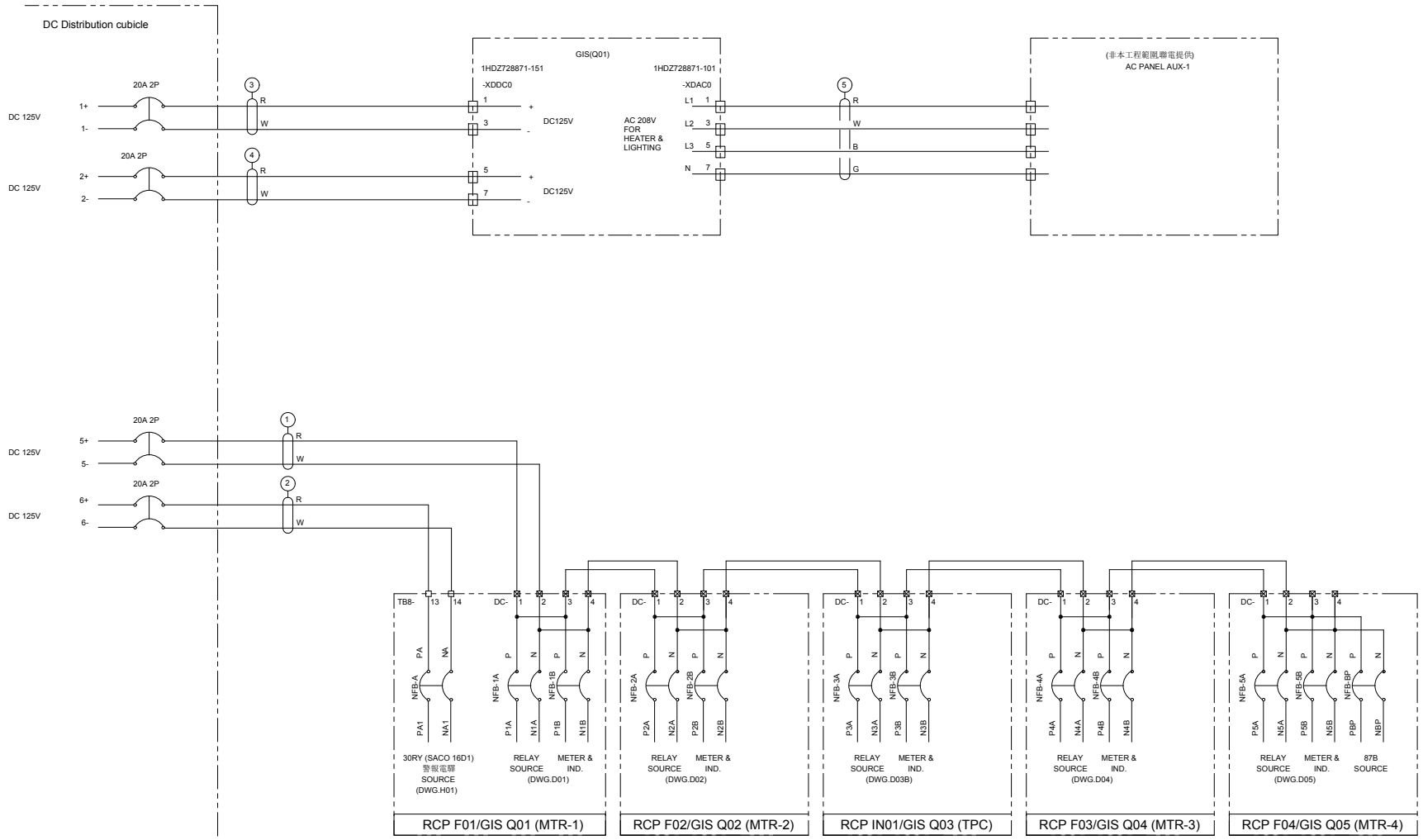
1. "MOF" 需可活線調整 TAP 。
2. 電纜終端介面採IEC 60859 標準設計。
3. 本案屬民營再生能源發電廠，承商須依台電「再生能源發電系統即時運轉資料提供及傳送方式原則」辦理即時運轉資料傳送，資料傳送之通訊協定及資料型式，應符合台電台西D/S 變電所端之設備介面。
4. 責任分界點(CB盤)設置保護電驛說明：依台電再生能源發電系統併聯技術要點, 併接於台電公司特高壓系統者，其責任分界點或電源引接點至少應有下列保護電驛

IEEE 代號	PHASE	備註
50/51	3	相間過電流電驛，附瞬時及具正常反時(Normal Inverse)特性。
50N/51N	1	接地過電流電驛，附瞬時及具正常反時(Normal Inverse)特性。
59Vo	1	接地過電壓電驛，附延時特性。
27/59	3	低電壓電驛/過電壓電驛，附延時特性。
81H/L	1	高低頻率電驛，附延時特性。
87L/B	3	線路差流電驛/匯流排電驛。
67	3	相間方向性過電流電驛，應具正常反時(Normal Inverse)特性。
32	3	逆送電力電驛；本案有逆送電力，免裝。

註： 開關編號暫編，待台電區處提供開關編號。

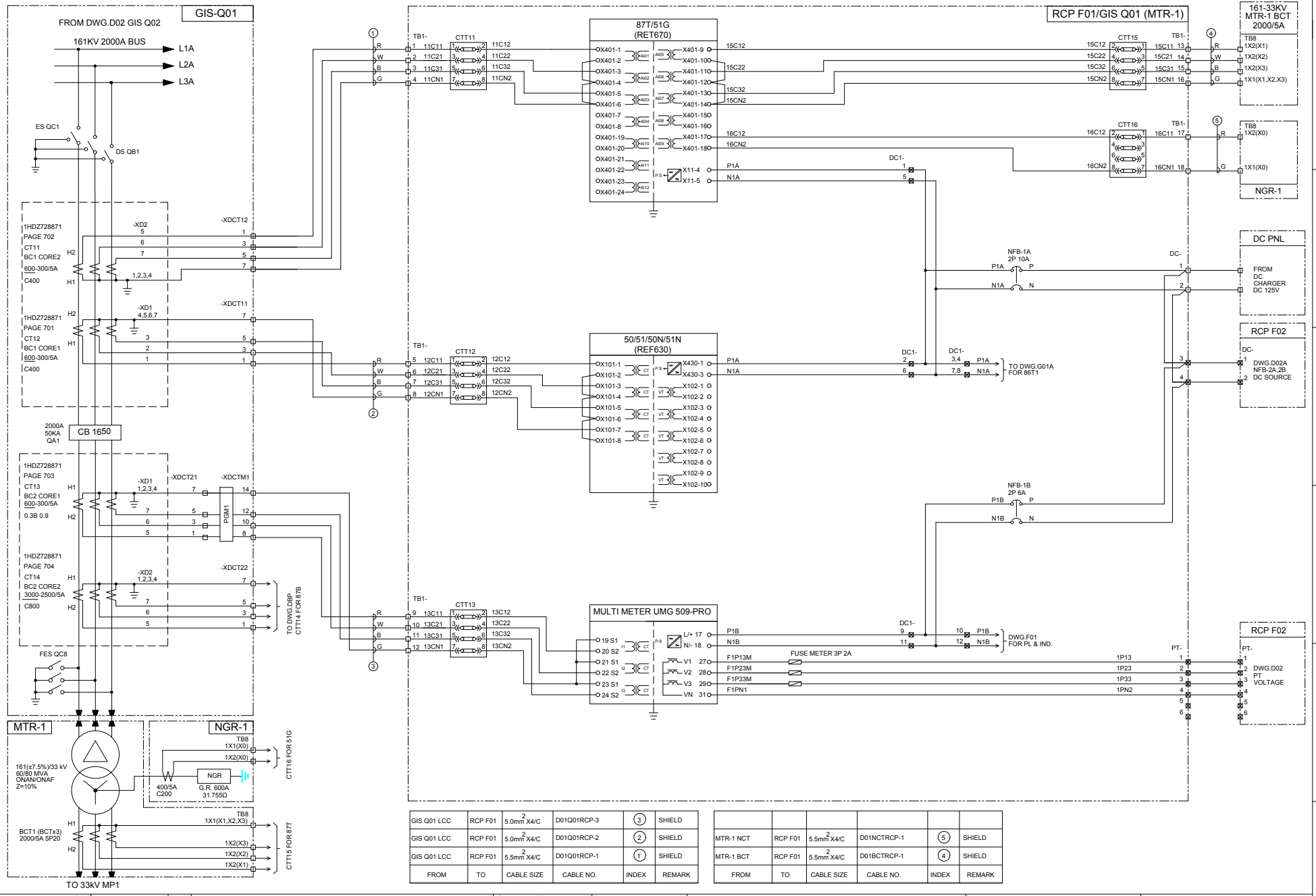
5. 頭力G/S 地網接地電阻值 R < 1Ω (責任施工)。
6. 承包商須依台電需求提供相關訊號、控制及監控點位,等，並將相關資訊蒐集至「台西D/S SS電驛室」既有資訊末端設備(RTU)，相關衍伸費用已含於工程總價, 不另計價。
7. 本案加入台電系統後，部分情境將發生線路超載, 承包商須配合台電要求裝設特殊保護設備或過載保護電驛，包括但不限於下列情境，相關衍伸費用已含於工程總價, 不另計價。
(a) 北港~台西線停用，本案加入後雲林~雲高西分~台西線將過載。
(b) 雲林~雲高西分~台西T接點停用，本案加入後北港~台西線將過載。
8. 本圖提及之 □ 為模組式集合電錶內含多功能轉換器，主要功能為核對計費使用，故須採用高階計費電錶，承包商須獨立提送本產品型錄及相關文件, 待業主核可後方可裝設。
9. 本案採用之線路差動電驛(87L)，須具三端差動功能。

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title SINGLE LINE DIAGRAM	Doc. des.	DWG. NO. VENA-C01
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					



FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK
AC PANEL	GIS Q01	5.5mm² X4/C	C02ACPGIS-1	5	
DC PANEL	GIS Q01	5.5mm² X4/C	C02DCPGIS-2	4	
DC PANEL	GIS Q01	5.5mm² X4/C	C02DCPGIS-1	3	
DC PANEL	RCP F01	5.5mm² X4/C	C02DCPRCP-2	2	
DC PANEL	RCP F01	5.5mm² X4/C	C02DCPRCP-1	1	

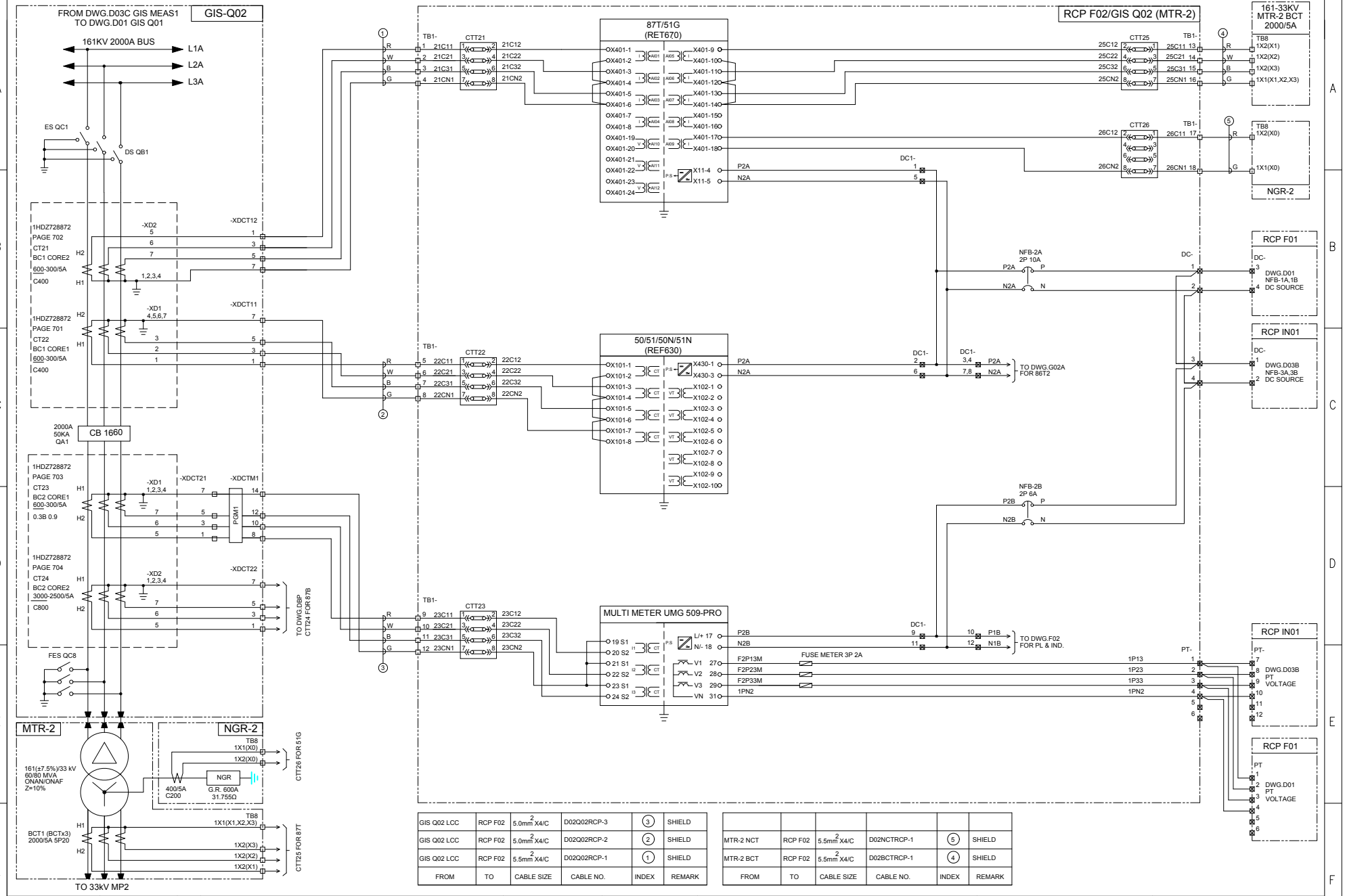
For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title DC POWER SUPPLY DIAGRAM	Doc. des.	DWG. NO. VENA-C02
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					



GIS Q01 LCC	RCP F01	5.0mm² X4/C	D01Q01RCP-3	3	SHIELD
GIS Q01 LCC	RCP F01	5.0mm² X4/C	D01Q01RCP-2	2	SHIELD
GIS Q01 LCC	RCP F01	5.5mm² X4/C	D01Q01RCP-1	1	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

MTR-1 NCT	RCP F01	5.5mm² X4/C	D01NCTRCP-1	5	SHIELD
MTR-1 BCT	RCP F01	5.5mm² X4/C	D01BCTRCP-1	4	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

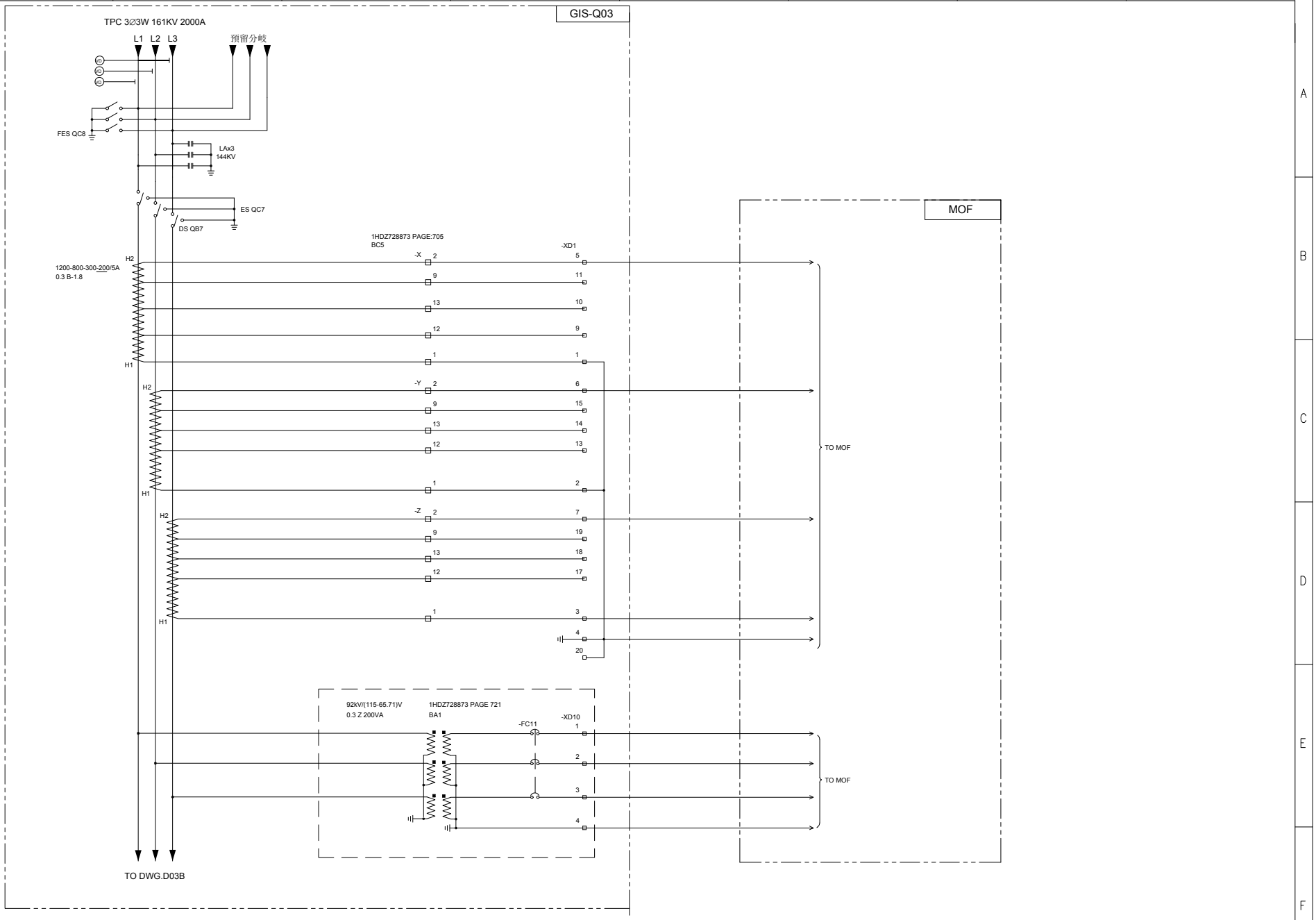
For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q01 CT & RCP F01 PROTECTION RELAY CIRCUIT DIAGRAM	Doc. des.	DWG. NO. VENA-D01
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					



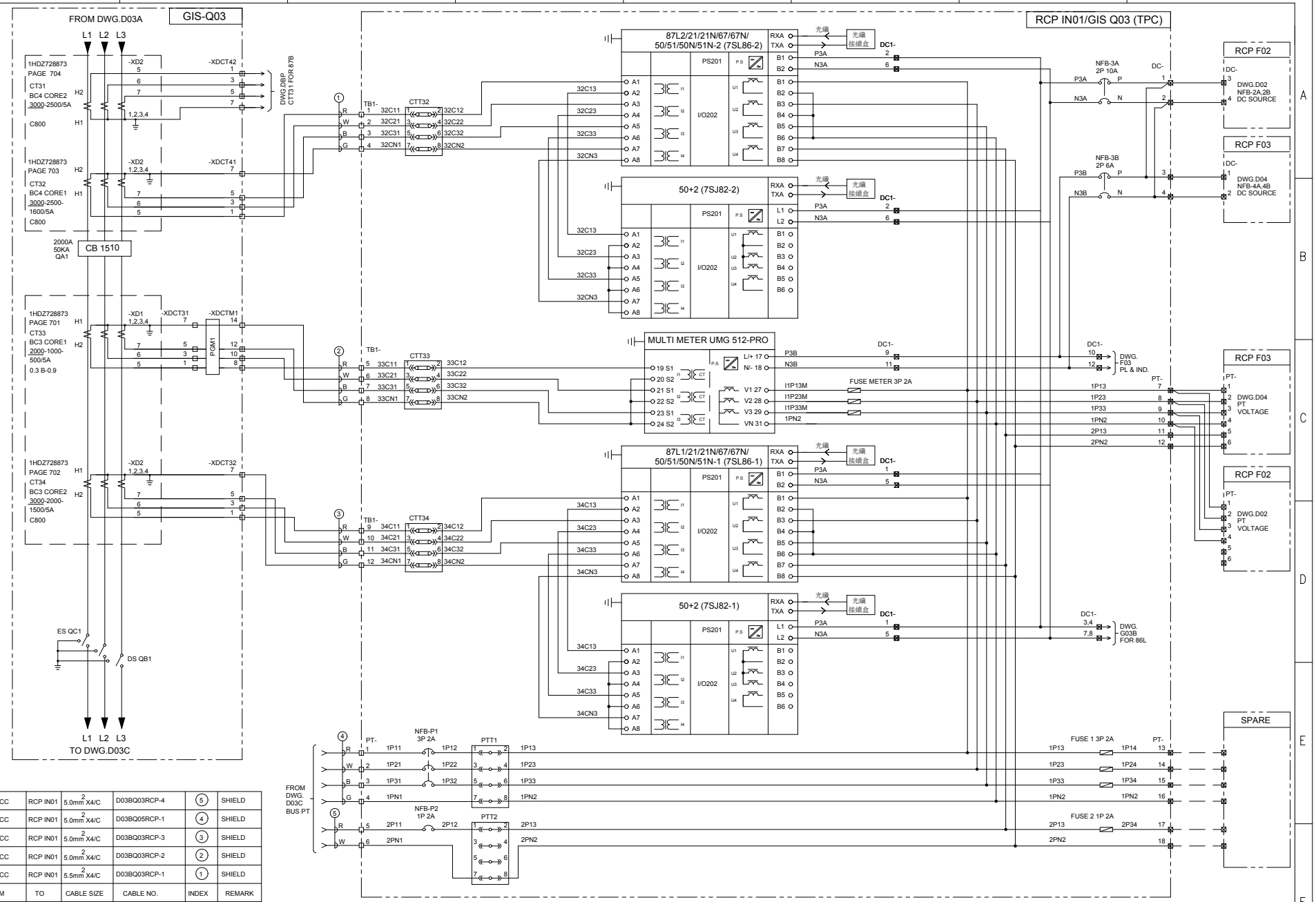
GIS Q02 LCC	RCP F02	5.0mm² X4/C	D02Q02RCP-3	3	SHIELD
GIS Q02 LCC	RCP F02	5.0mm² X4/C	D02Q02RCP-2	2	SHIELD
GIS Q02 LCC	RCP F02	5.5mm² X4/C	D02Q02RCP-1	1	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

MTR-2 NCT	RCP F02	5.5mm² X4/C	D02NCTRCP-1	5	SHIELD
MTR-2 BCT	RCP F02	5.5mm² X4/C	D02BCTRCP-1	4	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q02 CT & RCP F02 PROTECTION RELAY CIRCUIT DIAGRAM	Doc. des.	DWG. NO. VENA-D02
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Derived fm	Replaces					Cont. ～
Issued for	Date	Rev.							



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	GIS Q03 MOF CT & PT CIRCUIT DIAGRAM	Doc. des.	DWG. NO. VENA- D03A
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司		Doc. No.	Sheet 1 Cont. ～
For Approval	2021-08-17	A								
Issued for	Date	Rev.	Derived fm	Replaces						



GIS Q03 LCC	RCP IN01	5.0mm² X4/C	D03BQ03RCP-4	5	SHIELD
GIS Q05 LCC	RCP IN01	5.0mm² X4/C	D03BQ05RCP-1	4	SHIELD
GIS Q03 LCC	RCP IN01	5.0mm² X4/C	D03BQ03RCP-3	3	SHIELD
GIS Q03 LCC	RCP IN01	5.0mm² X4/C	D03BQ03RCP-2	2	SHIELD
GIS Q03 LCC	RCP IN01	5.5mm² X4/C	D03BQ03RCP-1	1	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

Issued for	Date	Rev.	Derived fm	Replaces
For Approval	2021-10-08	D		
For Approval	2021-09-08	C		
For Approval	2021-09-06	B		
For Approval	2021-08-17	A		

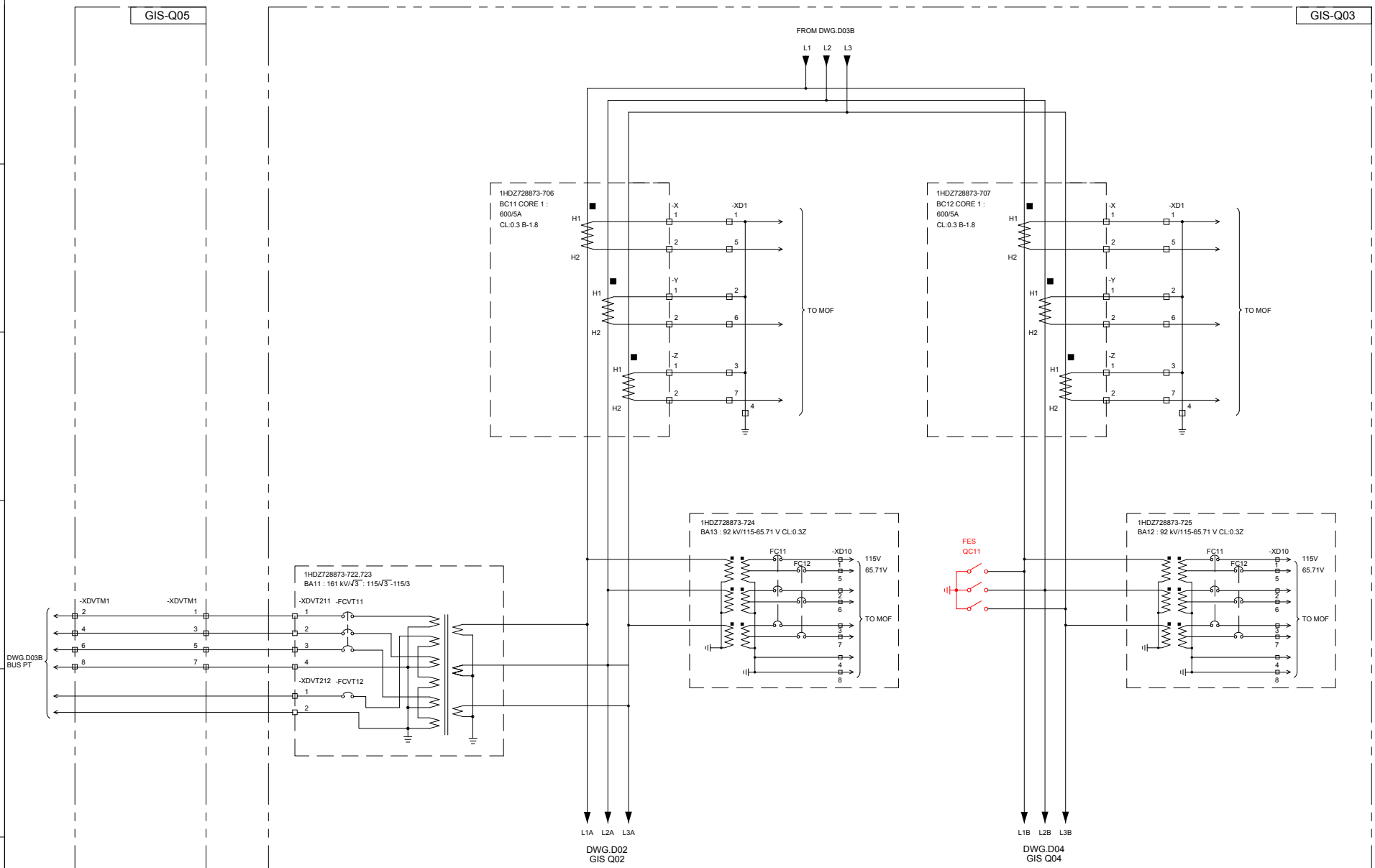
Project: VENA ENERGY
161KV GIS S/S PROJECT
Customer 韋能台西

Approved by: Jeff Lu	Date: 2021-06-18	
Checked by: Jeff Lu	Date: 2021-06-18	
Prepared by: Chuan Hua	Date: 2021-06-18	

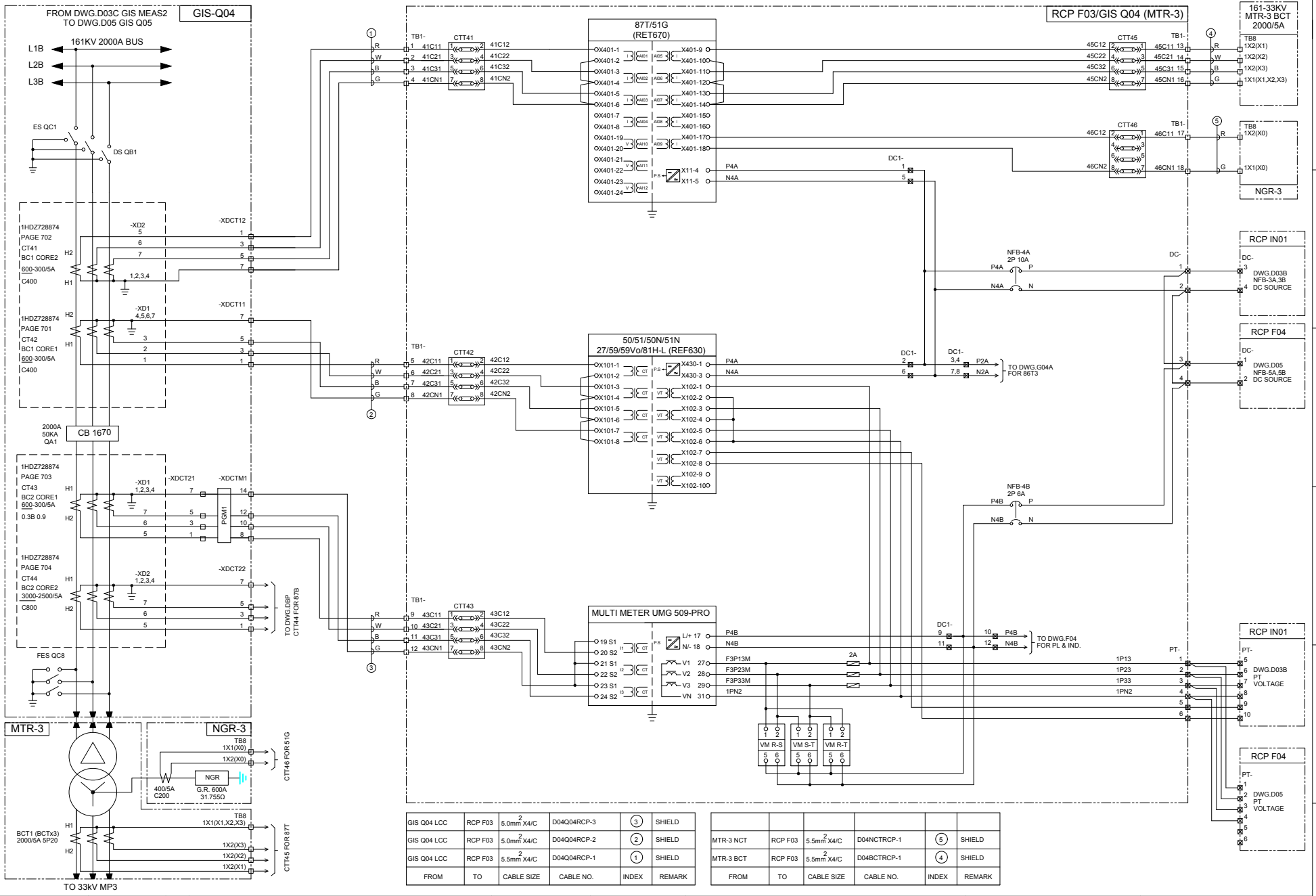
Title: GIS Q03 CT & RCP IN01 PROTECTION RELAY CIRCUIT DIAGRAM

台灣日立電網股份有限公司

Doc. des.	DWG. NO. VENA-D03B	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～



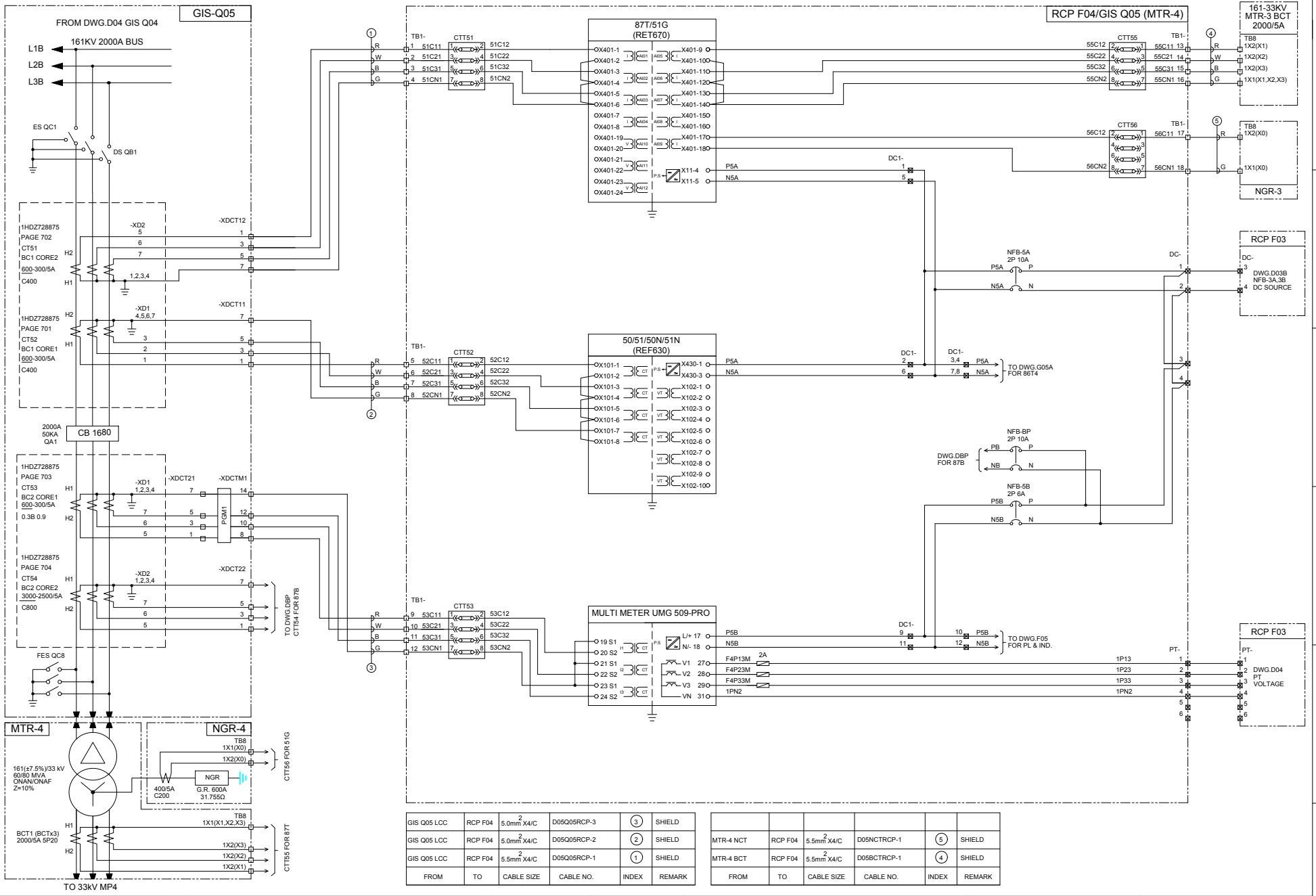
For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	Doc. des.	DWG. NO. VENA-D03C
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	GIS Q03 MOF CT / PT / BUS PT CIRCUIT DIAGRAM	Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B							
For Approval	2021-08-17	A	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1 Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					



GIS Q04 LCC	RCP F03	5.0mm² X4/C	D04Q04RCP-3	3	SHIELD
GIS Q04 LCC	RCP F03	5.0mm² X4/C	D04Q04RCP-2	2	SHIELD
GIS Q04 LCC	RCP F03	5.5mm² X4/C	D04Q04RCP-1	1	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

MTR-3 NCT	RCP F03	5.5mm² X4/C	D04NCTRCP-1	5	SHIELD
MTR-3 BCT	RCP F03	5.5mm² X4/C	D04BCTRCP-1	4	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

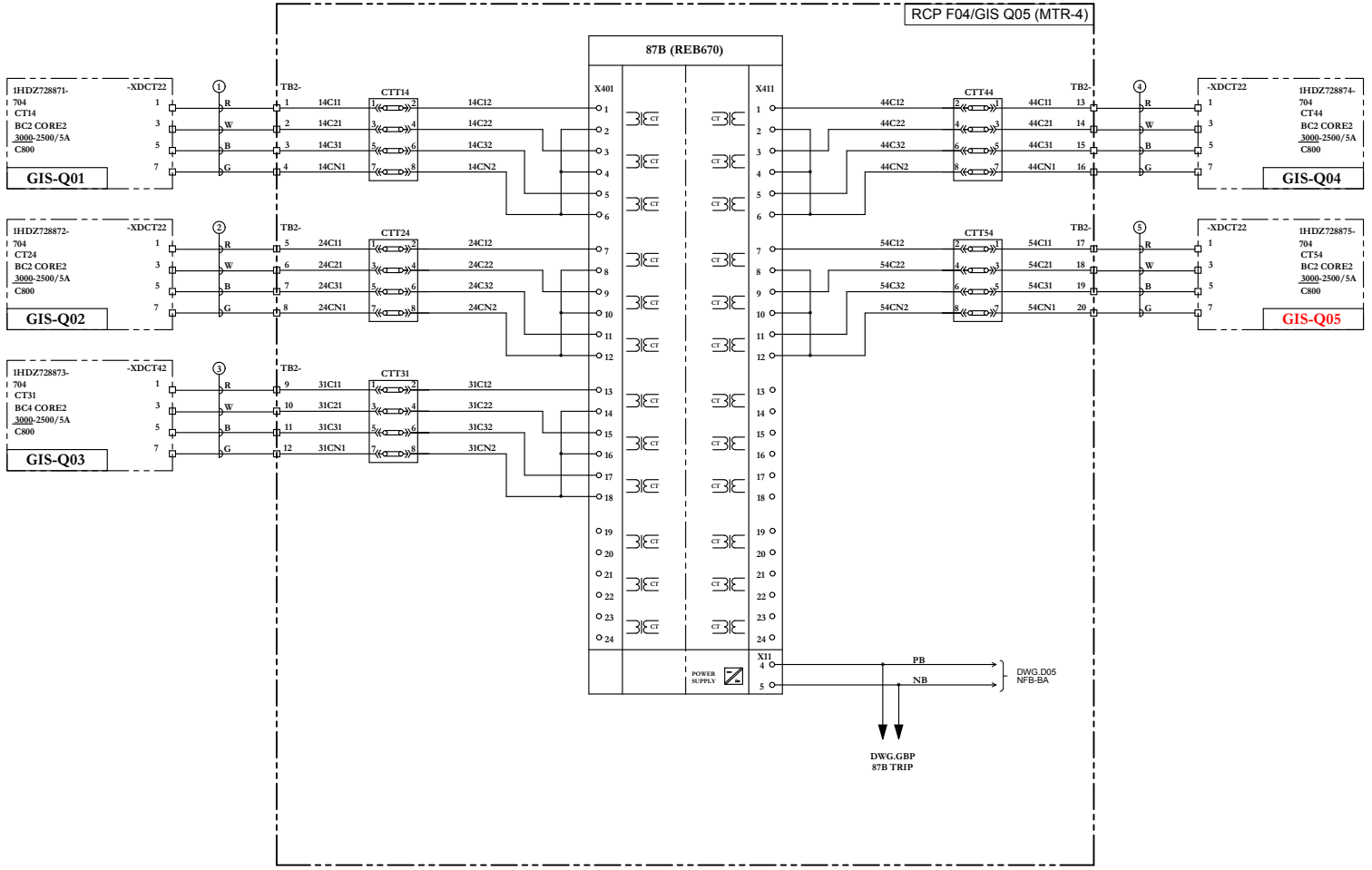
For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q05 CT & RCP F04 PROTECTION RELAY CIRCUIT DIAGRAM	Doc. des.	DWG. NO. VENA-D04
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					



GIS Q05 LCC	RCP F04	5.0mm² X4/C	D05Q05RCP-3	③	SHIELD
GIS Q05 LCC	RCP F04	5.0mm² X4/C	D05Q05RCP-2	②	SHIELD
GIS Q05 LCC	RCP F04	5.5mm² X4/C	D05Q05RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

MTR-4 NCT	RCP F04	5.5mm² X4/C	D05NCTRCP-1	⑤	SHIELD
MTR-4 BCT	RCP F04	5.5mm² X4/C	D05BCTRCP-1	④	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q05 CT & RCP F04 PROTECTION RELAY CIRCUIT DIAGRAM	Doc. des.	DWG. NO. VENA-D05
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

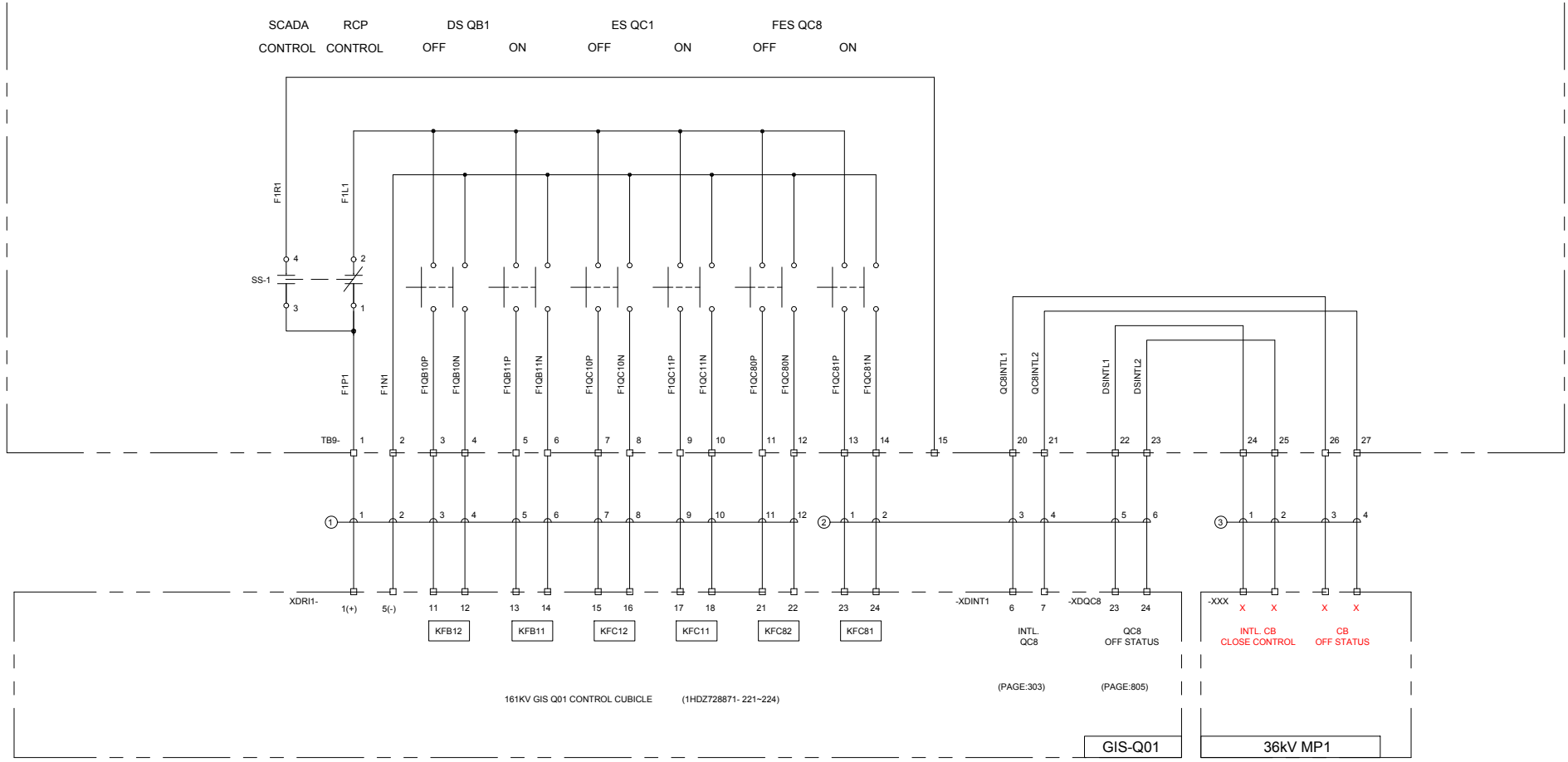


GIS Q05 LCC	RCP	5.5mm² X4/C	DBPQ05RCP-1	5	SHIELD
GIS Q04 LCC	RCP	5.5mm² X4/C	DBPQ04RCP-1	4	SHIELD
GIS Q03 LCC	RCP	5.5mm² X4/C	DBPQ03RCP-1	3	SHIELD
GIS Q02 LCC	RCP	5.0mm² X4/C	DBPQ02RCP-1	2	SHIELD
GIS Q01 LCC	RCP	5.5mm² X4/C	DBPQ01RCP-1	1	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title 87B PROTECTION RELAY CIRCUIT DIAGRAM
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA-DBP		
Resp. dept.	Scale	Lang.	
Doc. No.		Sheet 1	
		Cont. ～	

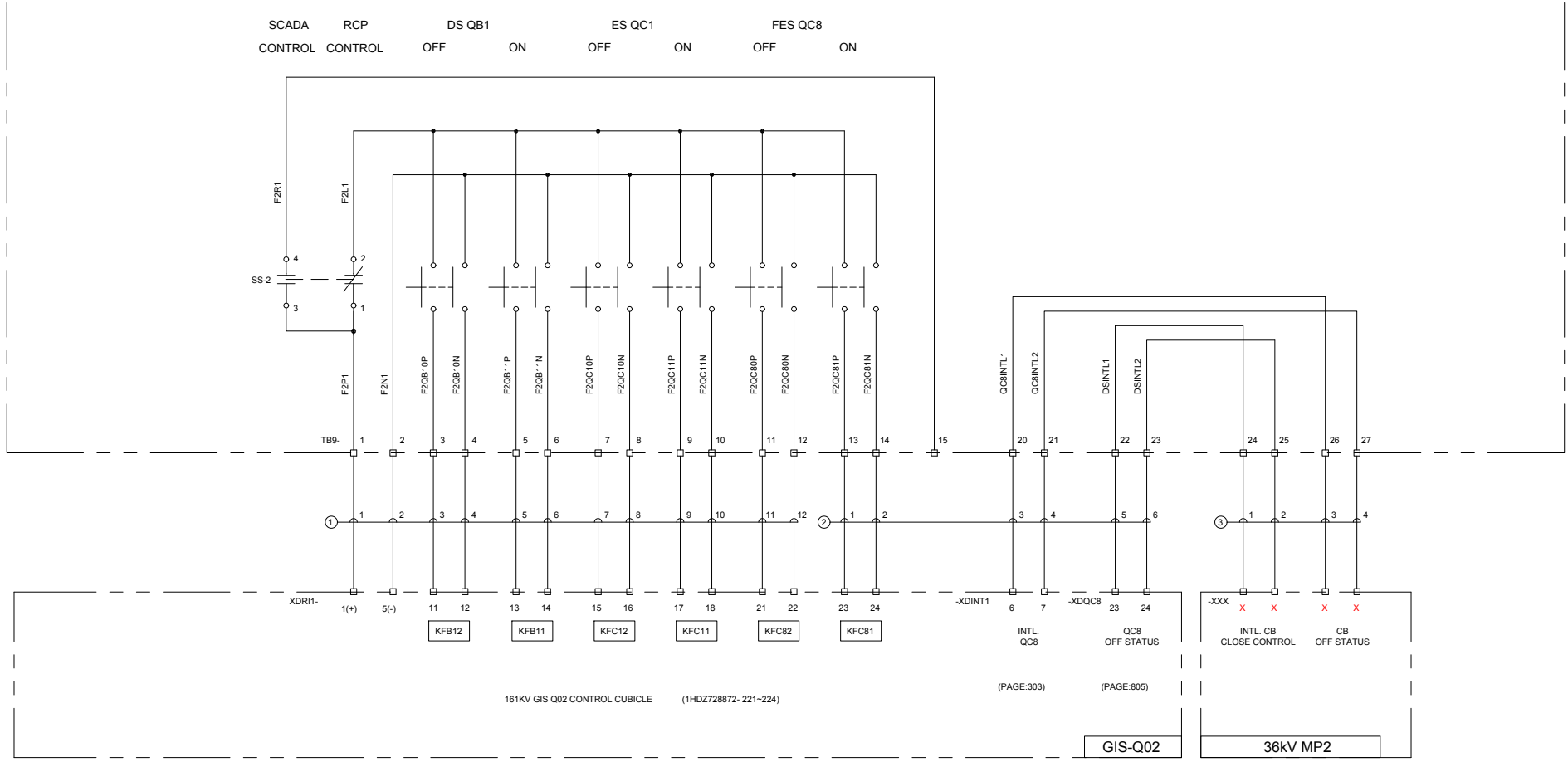
RCP F01/GIS Q01 (MTR-1)



36kV MP1	RCP	2 2.0mm² X12/C	E01MVPRCP-1	③	SHIELD
GIS Q01 LCC	RCP	2 2.0mm² X12/C	E01Q01RCP-2	②	SHIELD
GIS Q01 LCC	RCP	2 2.0mm² X12/C	E01Q01RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q01 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP F01	Doc. des.	DWG. NO. VENA-E01	
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西							Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces						

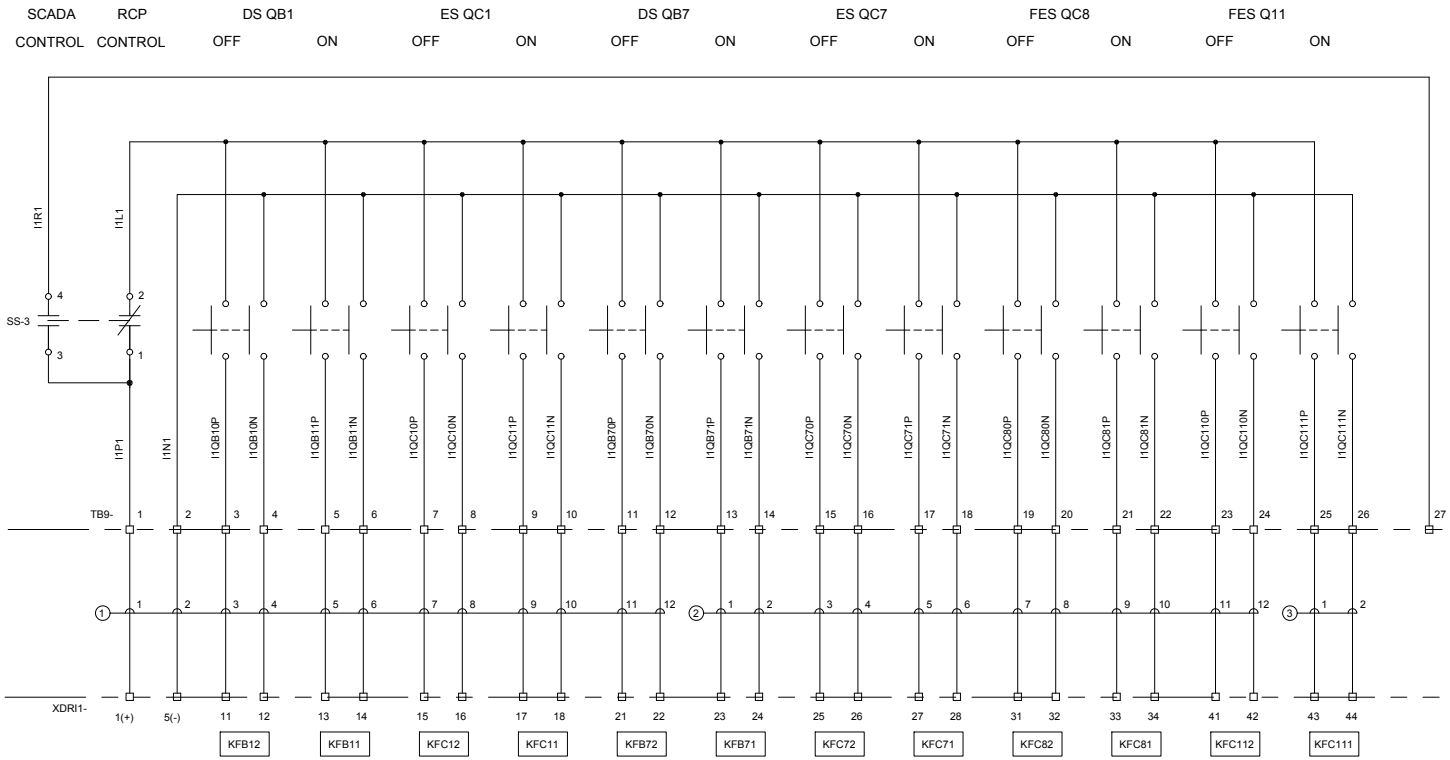
RCP F02/GIS Q02 (MTR-2)



36kV MP2	RCP	2 2.0mm X12/C	E02MVPRCP-1	③	SHIELD
GIS Q02 LCC	RCP	2 2.0mm X12/C	E02Q02RCP-2	②	SHIELD
GIS Q02 LCC	RCP	2 2.0mm X12/C	E02Q02RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q02 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP F02	Doc. des.	DWG. NO. VENA-E02	
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西							Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces						

RCP IN01/GIS Q03 (TPC)

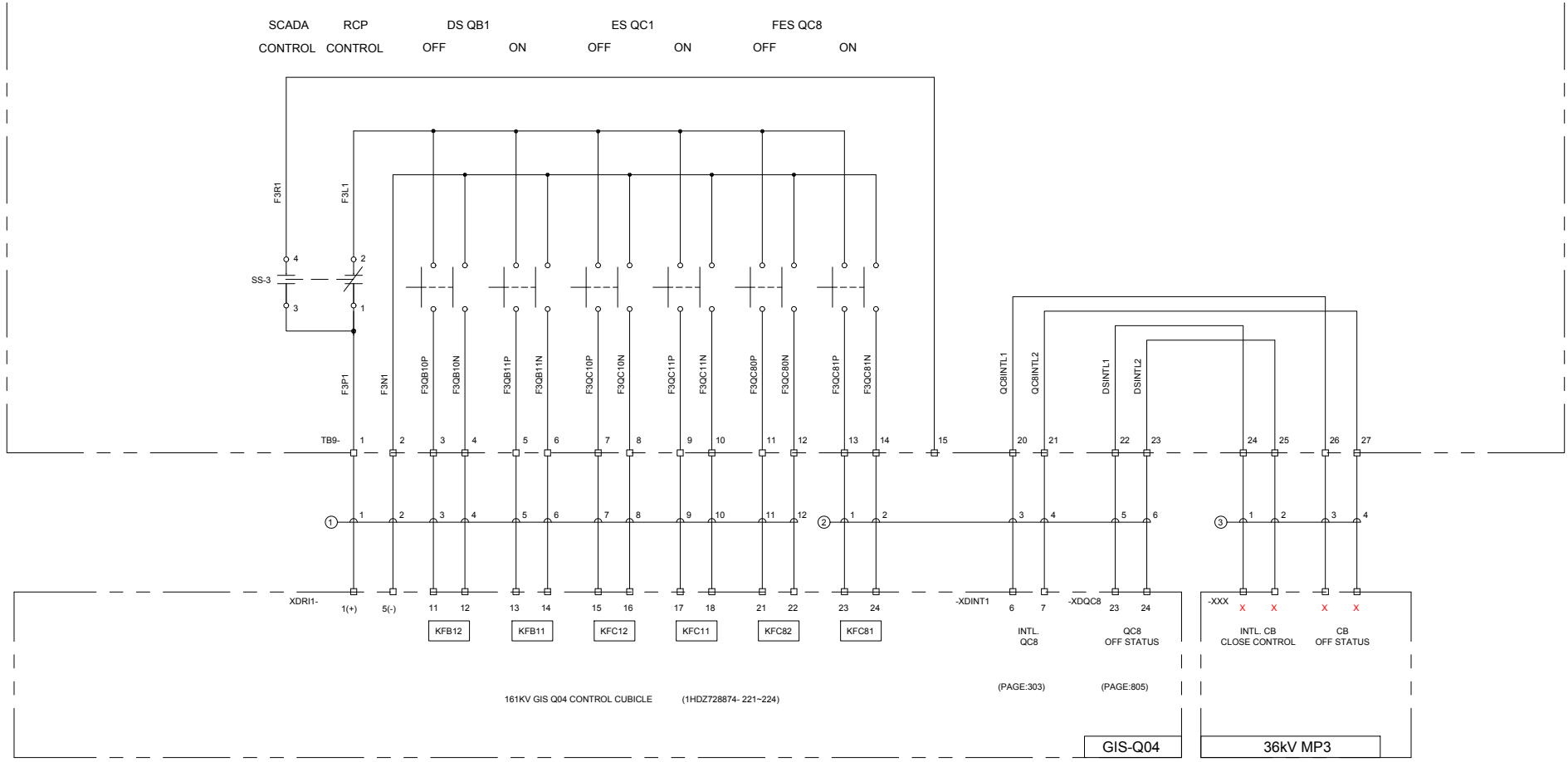


GIS-Q03

GIS Q03 LCC	RCP	$2 \times 2.0mm^2$ X12/C	E03Q03RCP-3	③	SHIELD
GIS Q03 LCC	RCP	$2 \times 2.0mm^2$ X12/C	E03Q03RCP-2	②	SHIELD
GIS Q03 LCC	RCP	$2 \times 2.0mm^2$ X12/C	E03Q03RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q03 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP IN01	Doc. des.	DWG. NO. VENA-E03
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

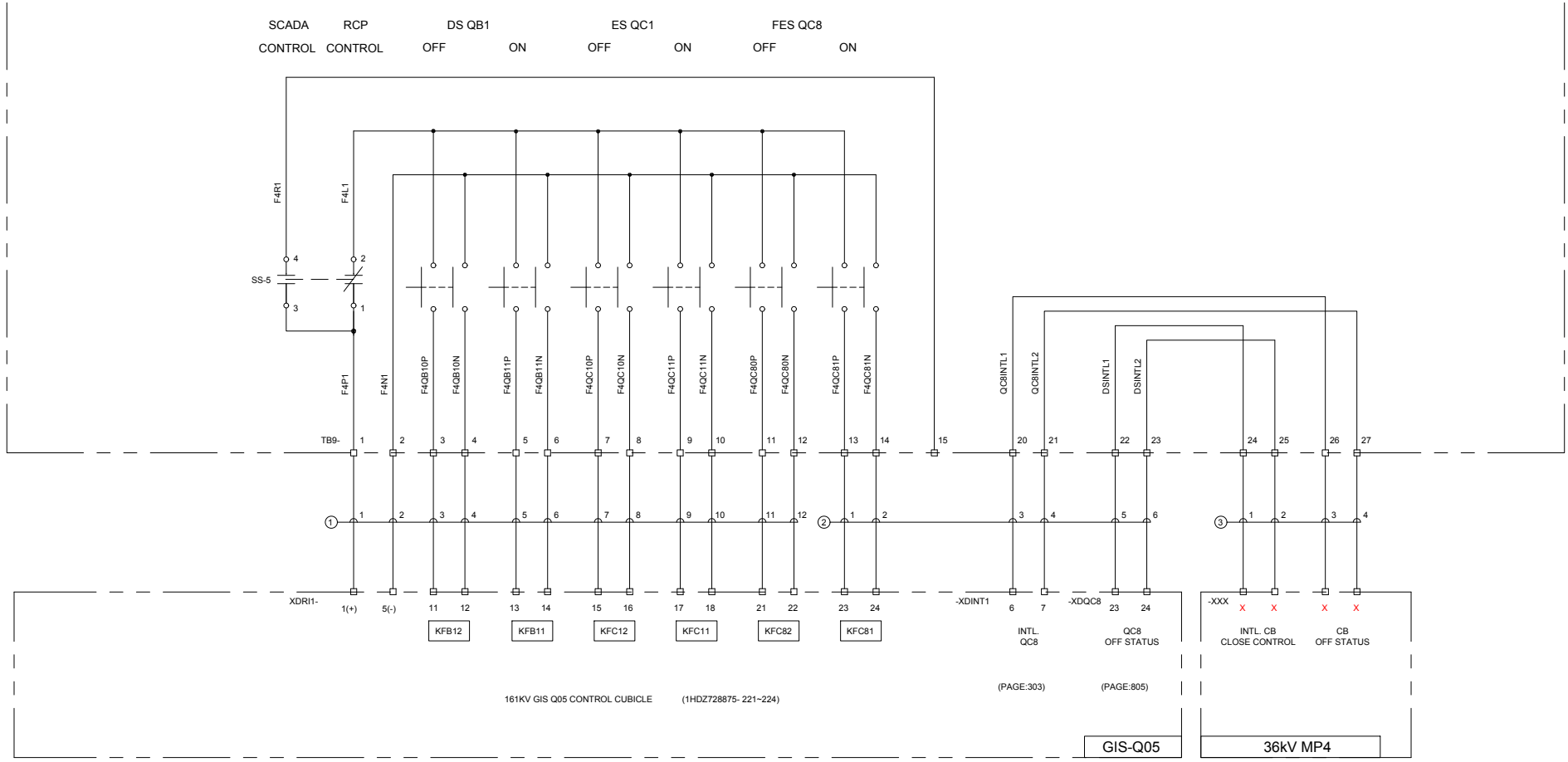
RCP F03/GIS Q04 (MTR-3)



36kV MP3	RCP	2 2.0mm X12/C	E04MVPRCP-1	③	SHIELD
GIS Q04 LCC	RCP	2 2.0mm X12/C	E04Q04RCP-2	②	SHIELD
GIS Q04 LCC	RCP	2 2.0mm X12/C	E04Q04RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q04 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP F03	Doc. des.	DWG. NO. VENA-E04
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

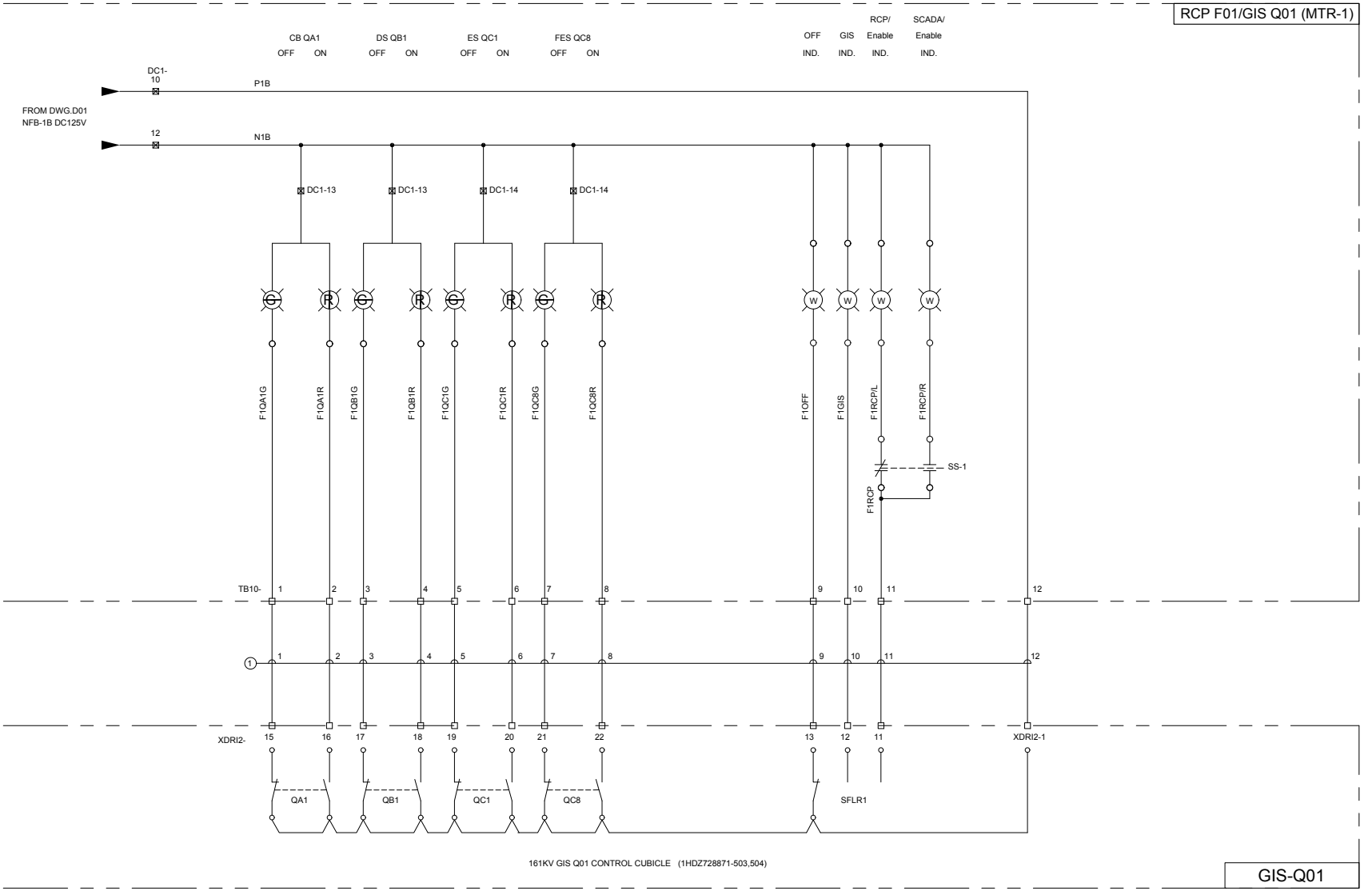
RCP F04/GIS Q05 (MTR-4)



36kV MP4	RCP	2 2.0mm² X12/C	E05MVPRCP-1	③	SHIELD
GIS Q05 LCC	RCP	2 2.0mm² X12/C	E05Q05RCP-2	②	SHIELD
GIS Q05 LCC	RCP	2 2.0mm² X12/C	E05Q05RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q05 DS & ES ON-OFF CONTROL DIAGRAM FOR RCP F04	Doc. des.	DWG. NO. VENA-E05	
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西							Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces						

RCP F01/GIS Q01 (MTR-1)



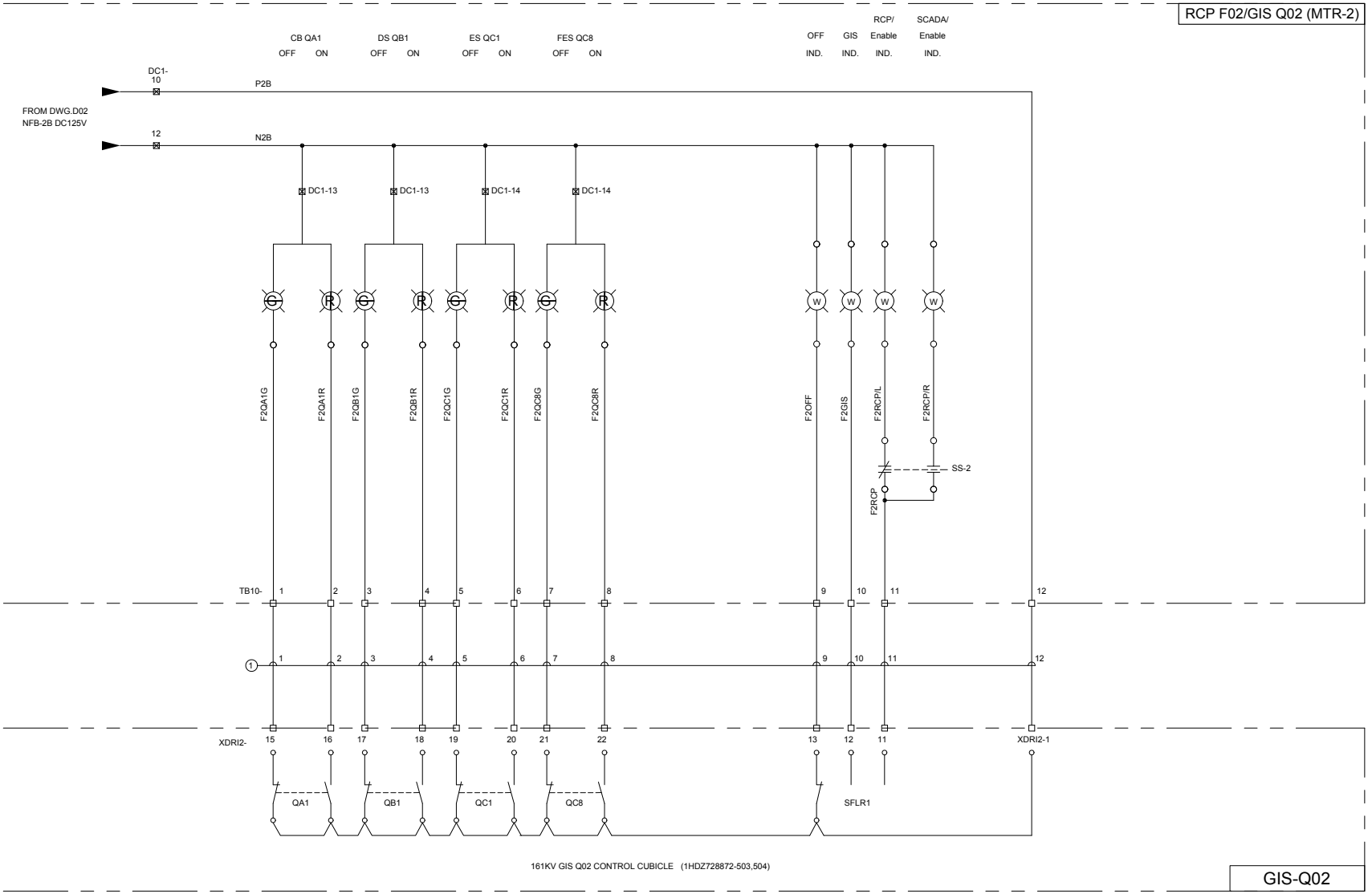
GIS-Q01

GIS Q01 LCC	RCP	2.0mm² X16/C	F01Q01RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q01 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP F01
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA- F01	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～

RCP F02/GIS Q02 (MTR-2)

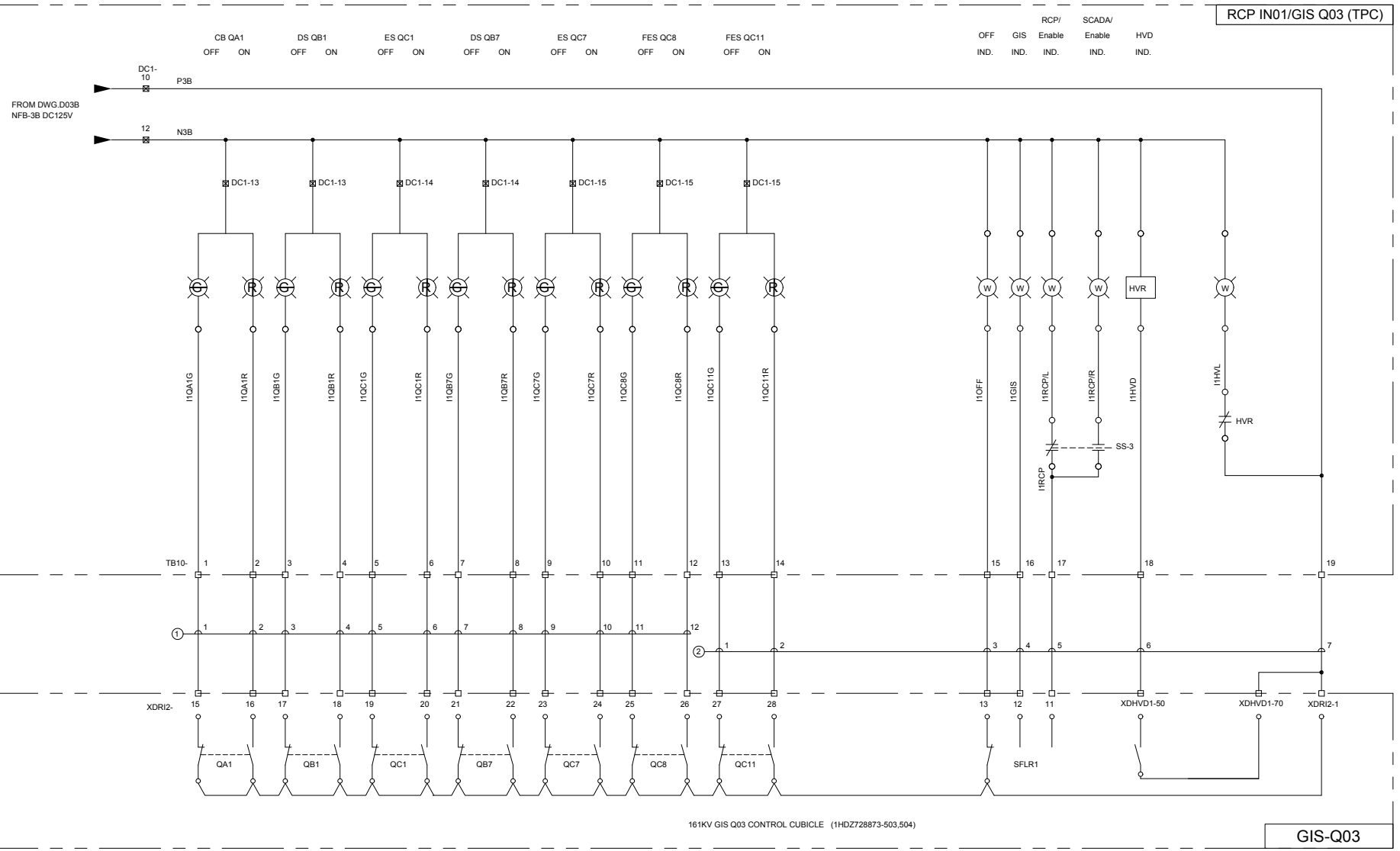


GIS-Q02

GIS Q02 LCC	RCP	2.0mm² X16/C	F02Q02RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q02 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP F02	Doc. des.	DWG. NO. VENA- F02	
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西							Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces						

RCP IN01/GIS Q03 (TPC)



161KV GIS Q03 CONTROL CUBICLE (1HDZ728873-503,504)

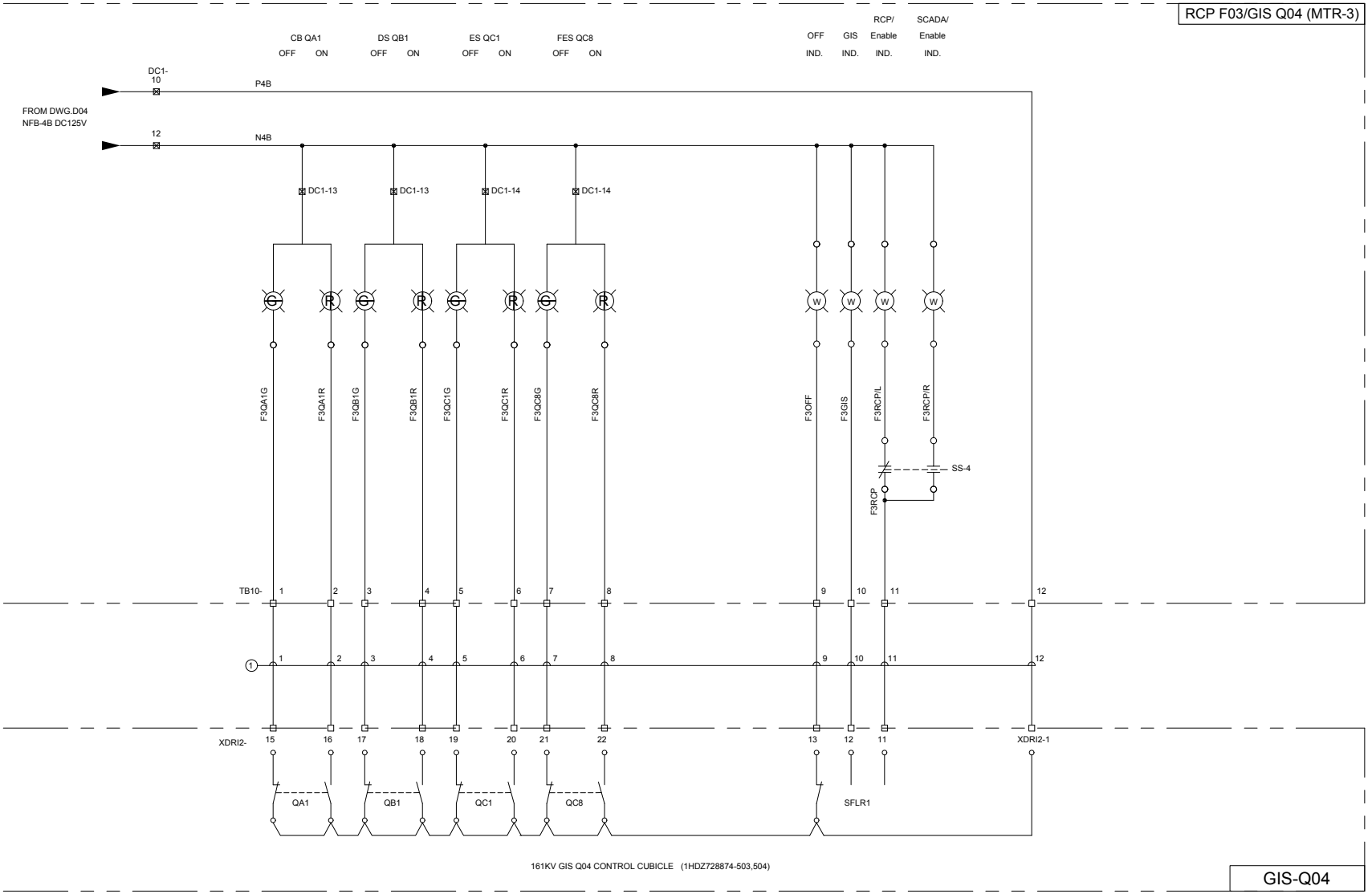
GIS-Q03

GIS Q03 LCC	RCP	2.0mm² X12/C	F03Q03RCP-2	②	SHIELD
GIS Q03 LCC	RCP	2.0mm² X12/C	F03Q03RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q03 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP IN01
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA- F03		
Resp. dept.	Scale	Lang.	
Doc. No.		Sheet 1	
		Cont. ～	

RCP F03/GIS Q04 (MTR-3)



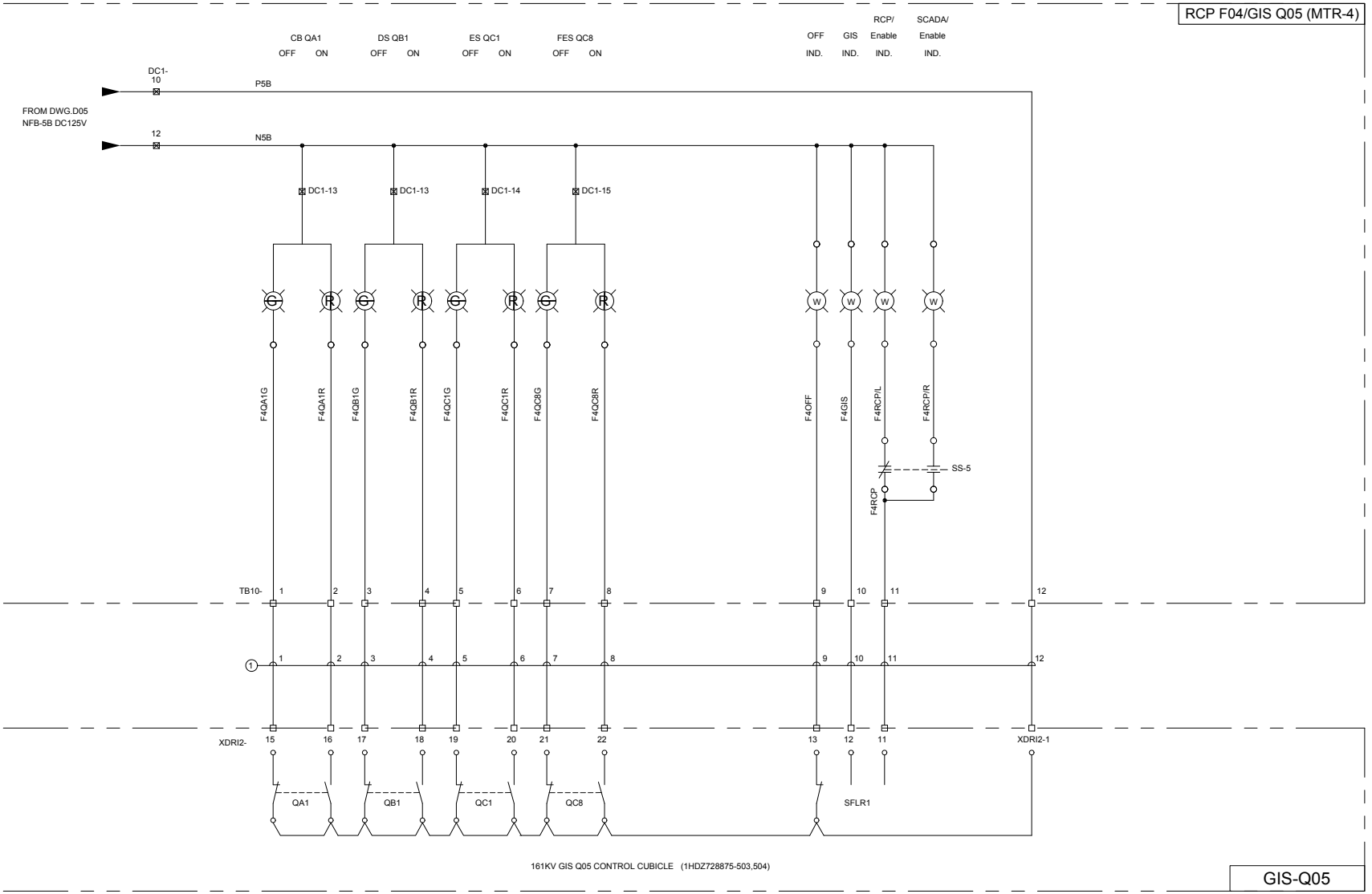
GIS-Q04

GIS Q04 LCC	RCP	2.0mm² X16/C	F04Q04RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q04 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP F03
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA- F04	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～

RCP F04/GIS Q05 (MTR-4)



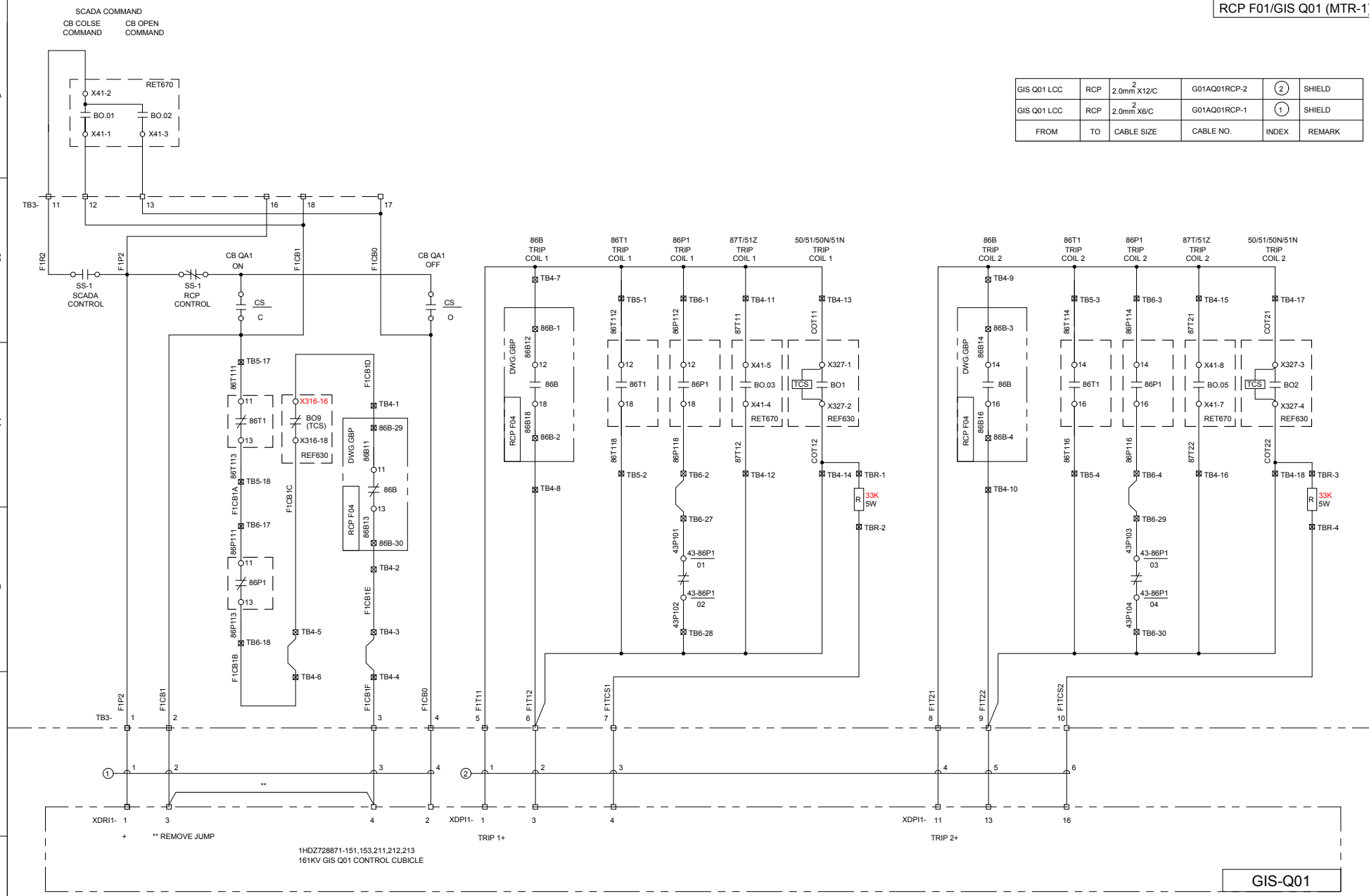
GIS-Q05

GIS Q05 LCC	RCP	2.0mm² X16/C	F05Q05RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q05 CB & DS & ES ON-OFF STATUS INDICATION FOR RCP F04	Doc. des.	DWG. NO. VENA- F05	
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西							Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces						

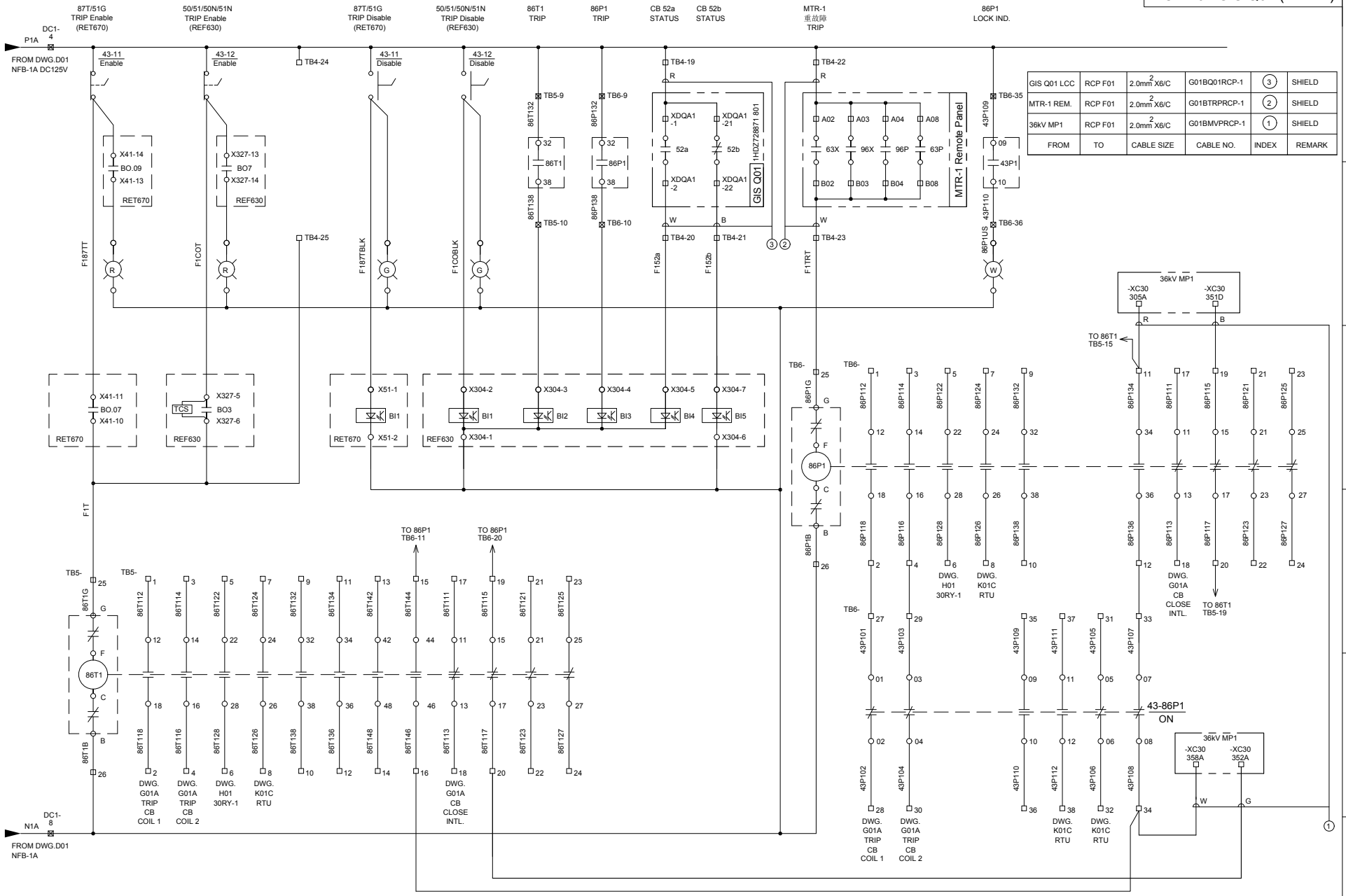
RCP F01/GIS Q01 (MTR-1)

FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK
GIS Q01 LCC	RCP	$2.0mm^2$ X12/C	G01AQ01RCP-2	(2)	SHIELD
GIS Q01 LCC	RCP	$2.0mm^2$ X6/C	G01AQ01RCP-1	(1)	SHIELD



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q01 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	Doc. des.	DWG. NO. VENA- G01A
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

RCP F01/GIS Q01 (MTR-1)

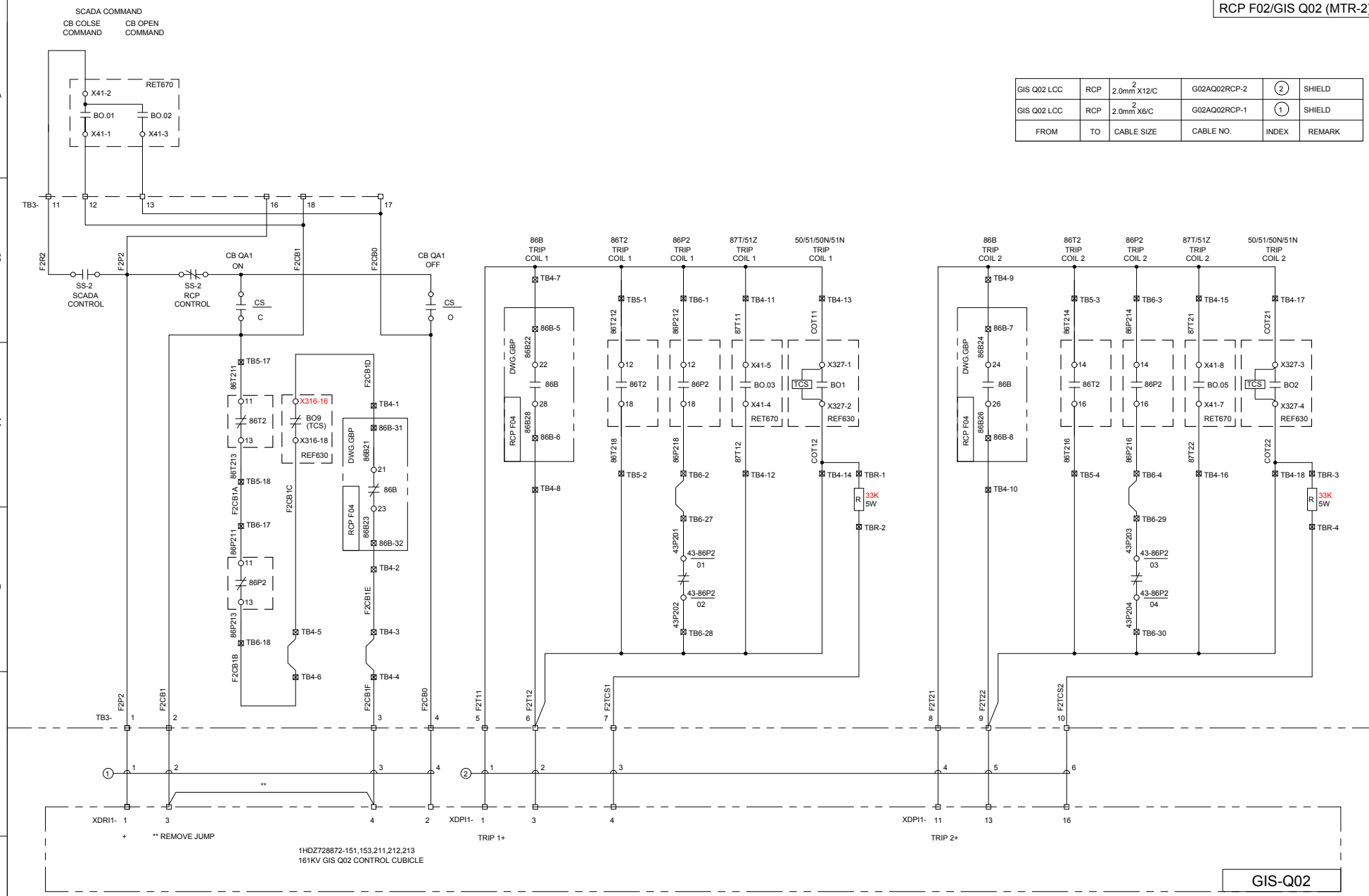


GIS Q01 LCC	RCP F01	2.0mm² X6/C	G01BQ01RCP-1	③	SHIELD
MTR-1 REM.	RCP F01	2.0mm² X6/C	G01BTRPRCP-1	②	SHIELD
36kV MP1	RCP F01	2.0mm² X6/C	G01BMVPRCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q01 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	Doc. des.	DWG. NO. VENA- G01B
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

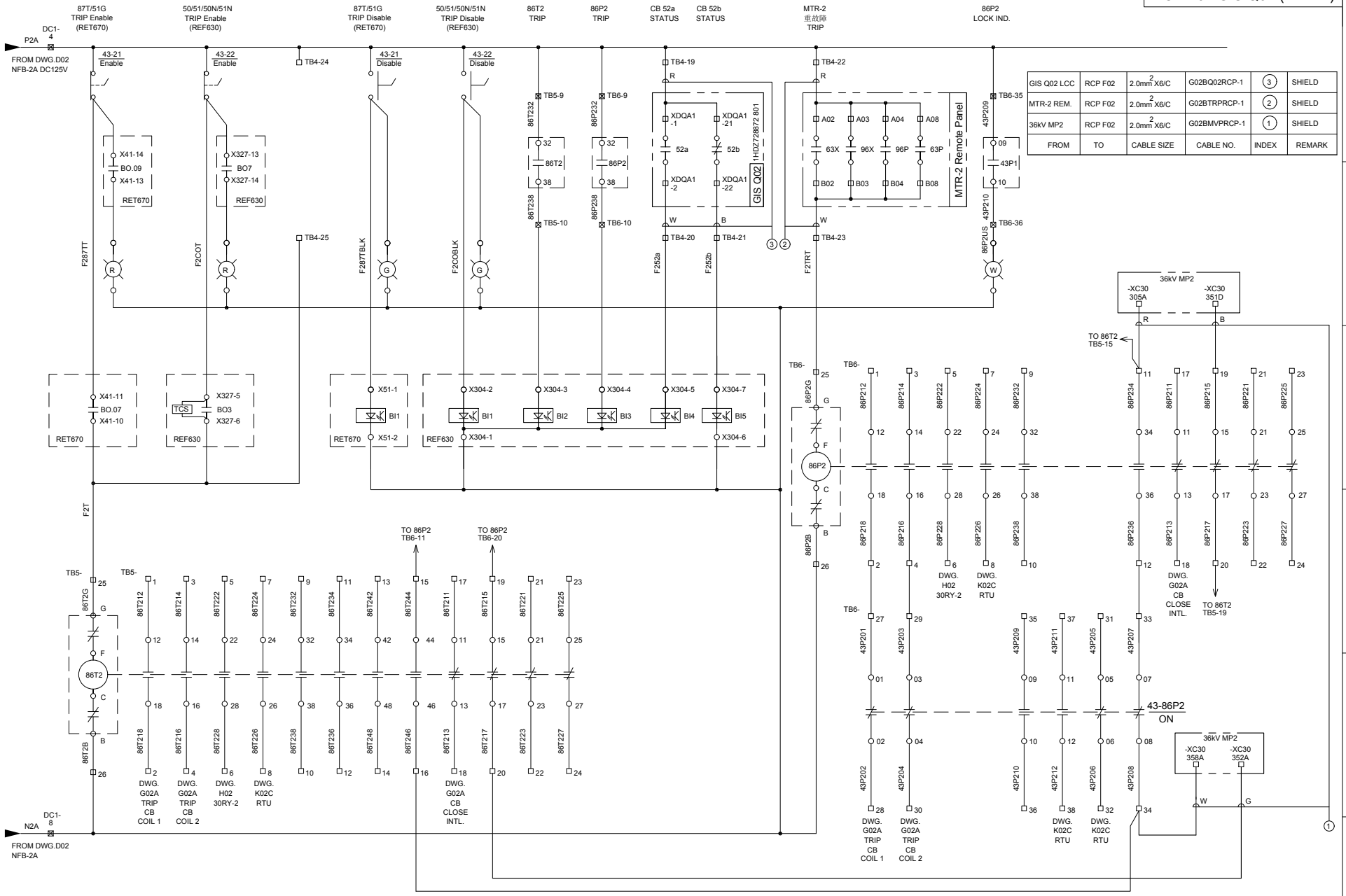
RCP F02/GIS Q02 (MTR-2)

FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK
GIS Q02 LCC	RCP	$2.0mm^2$ X12/C	G02AQ02RCP-2	(2)	SHIELD
GIS Q02 LCC	RCP	$2.0mm^2$ X6/C	G02AQ02RCP-1	(1)	SHIELD



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q02 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	Doc. des.	DWG. NO. VENA- G02A
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

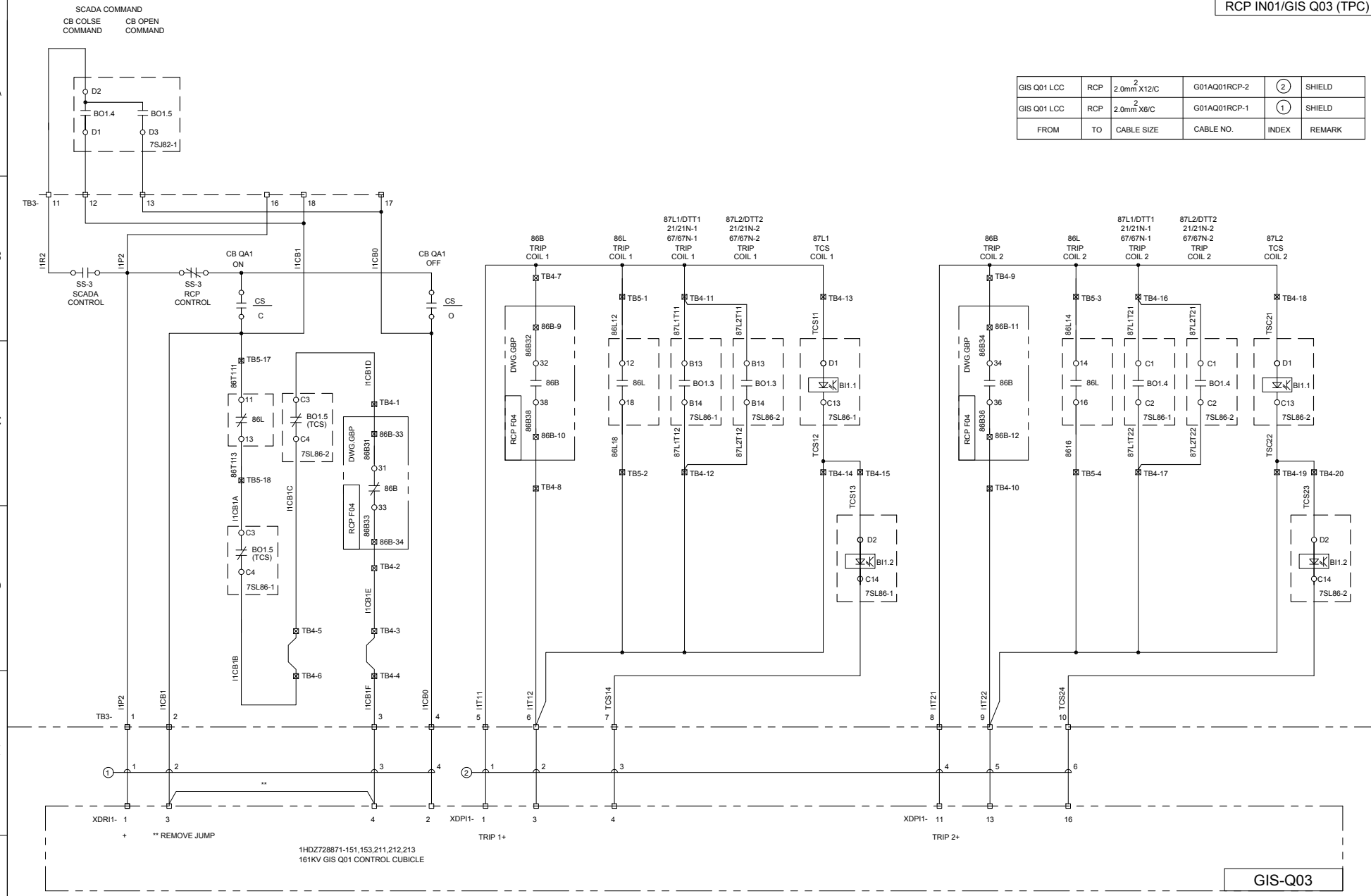
RCP F02/GIS Q02 (MTR-2)



GIS Q02 LCC	RCP F02	2.0mm² X6/C	G02BQ02RCP-1	3	SHIELD
MTR-2 REM.	RCP F02	2.0mm² X6/C	G02BTRPRCP-1	2	SHIELD
36kV MP2	RCP F02	2.0mm² X6/C	G02BMVPRCP-1	1	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q02 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	Doc. des.	DWG. NO. VENA- G02B
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

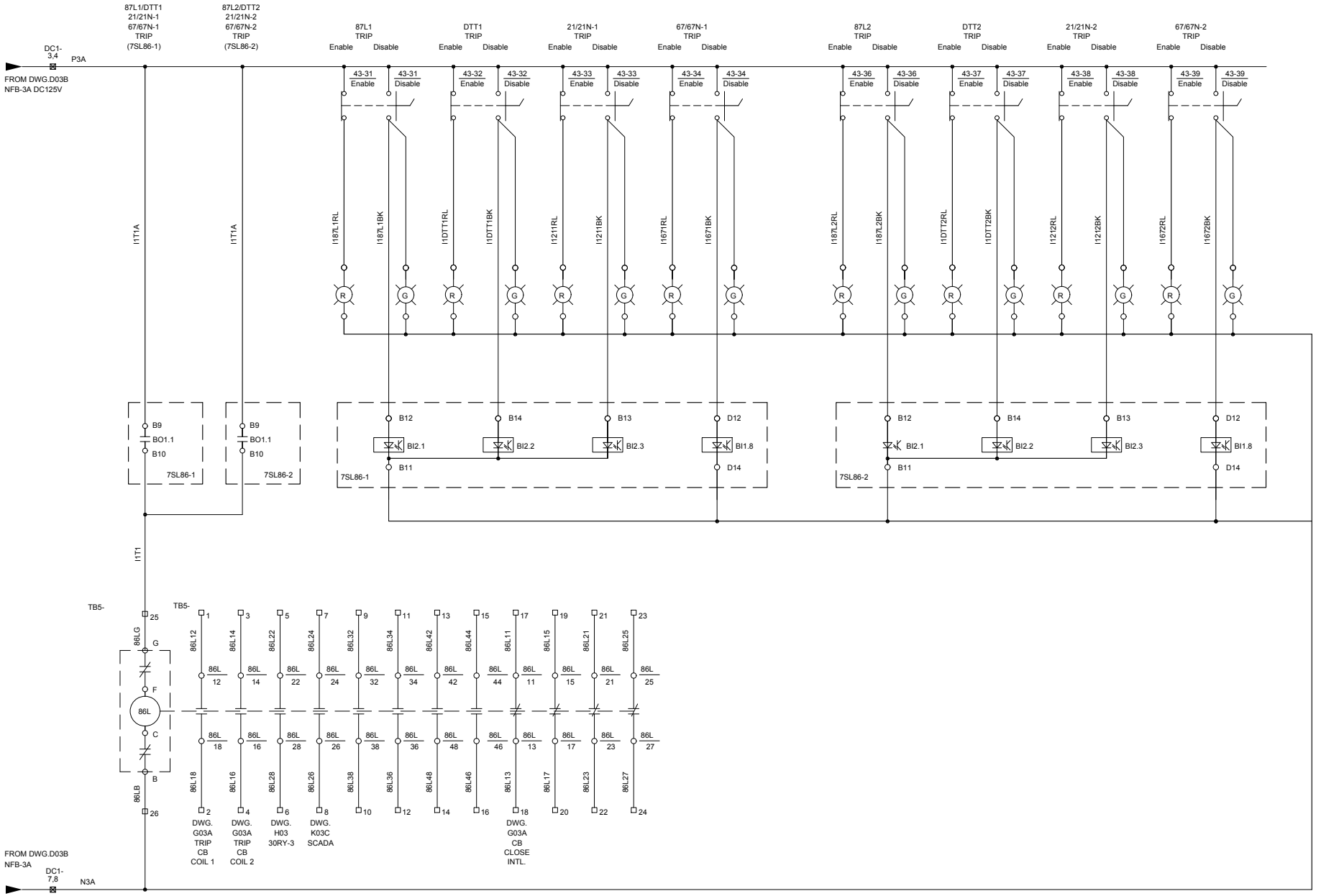
RCP IN01/GIS Q03 (TPC)



GIS Q01 LCC	RCP	$2.0mm^2$ X12/C	G01AQ01RCP-2	(2)	SHIELD
GIS Q01 LCC	RCP	$2.0mm^2$ X6/C	G01AQ01RCP-1	(1)	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

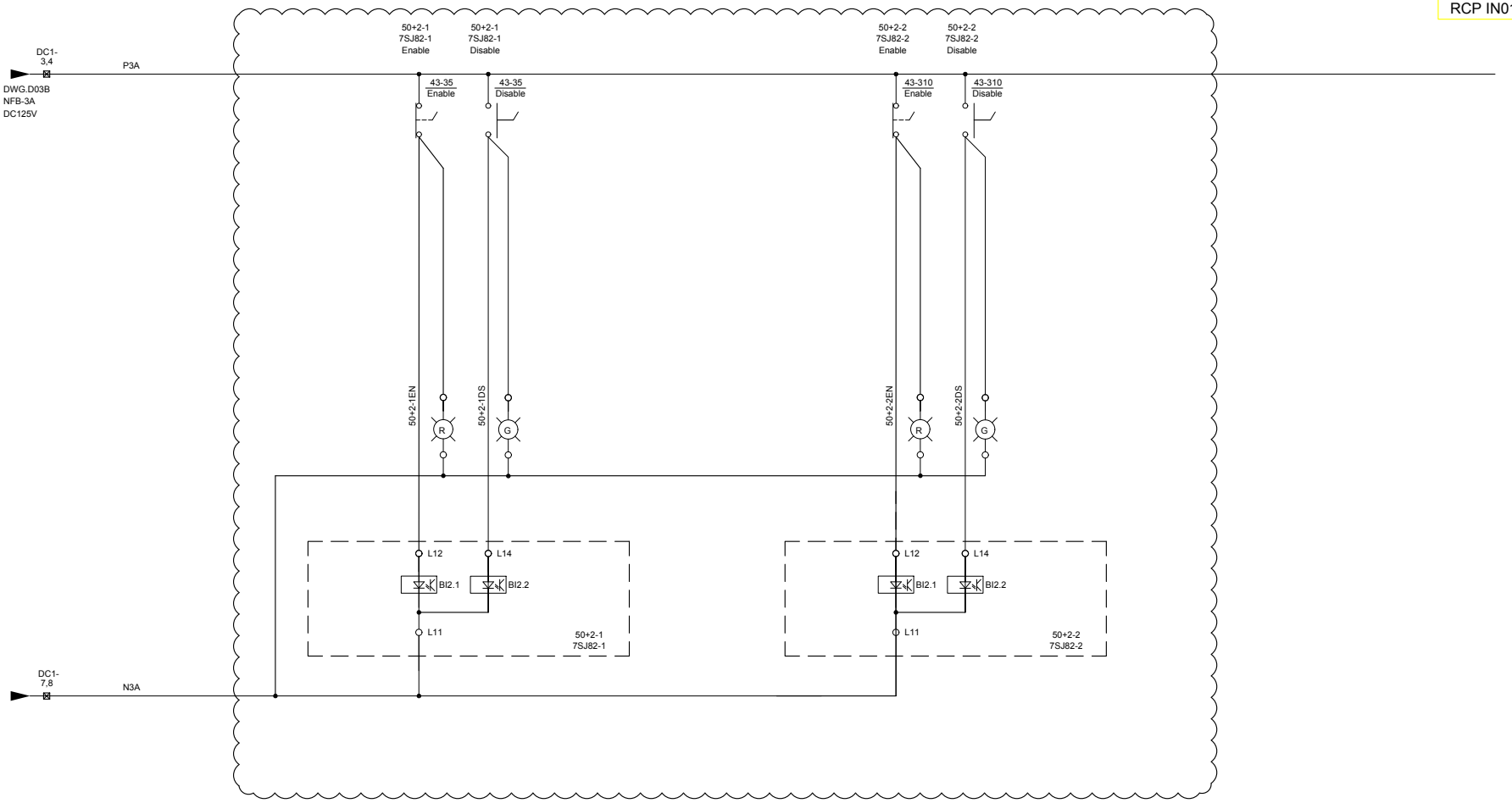
For Approval	2021-10-08	D	Project	VENA ENERGY	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q03 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	Doc. des.	DWG. NO. VENA- G03A
For Approval	2021-09-08	C		161KV GIS S/S PROJECT	Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Derived fm	Replaces					Cont. ～
Issued for	Date	Rev.							

RCP IN01/GIS Q03 (TPC)

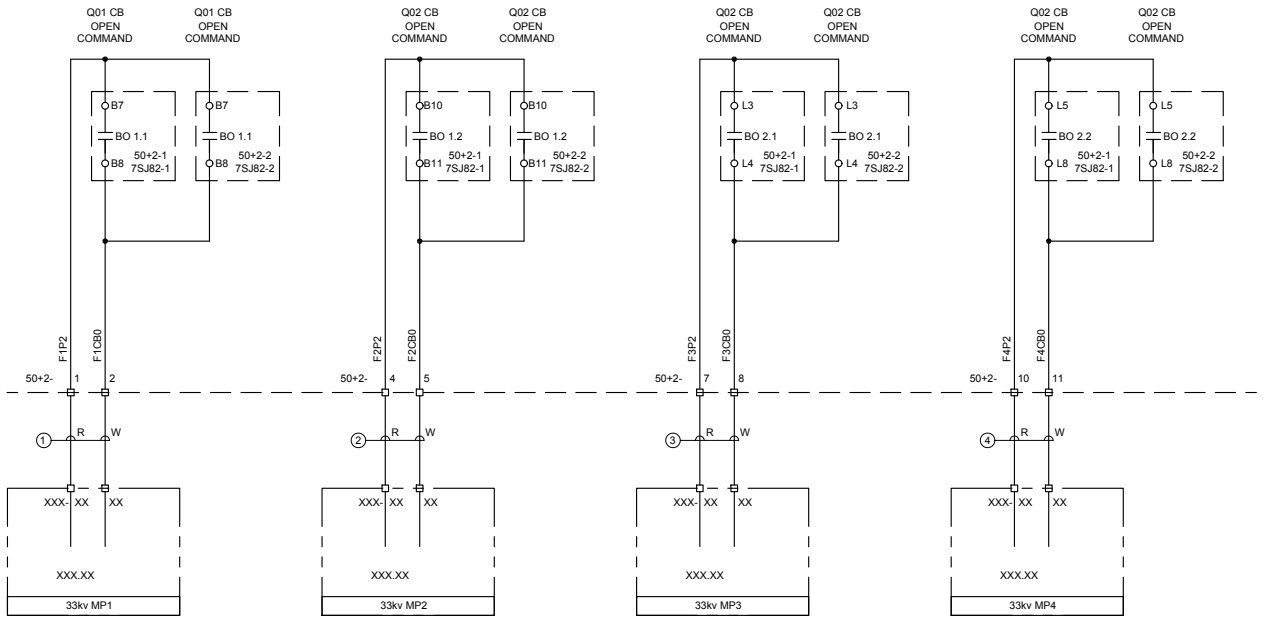


For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	GIS Q03 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	Doc. des.	DWG. NO. VENA-G03B
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司		Doc. No.	Sheet 1
For Approval	2021-08-17	A								Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces						

RCP IN01/GIS Q03 (TPC)



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	50+2-1,2 CB ON-OFF COMMAND CONTROL CIRCUIT DIAGRAM (1)	Doc. des.	DWG. NO. VENA-G03C
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司		Doc. No.	Sheet 1 Cont. ～
For Approval	2021-08-17	A								
Issued for	Date	Rev.	Derived fm	Replaces						

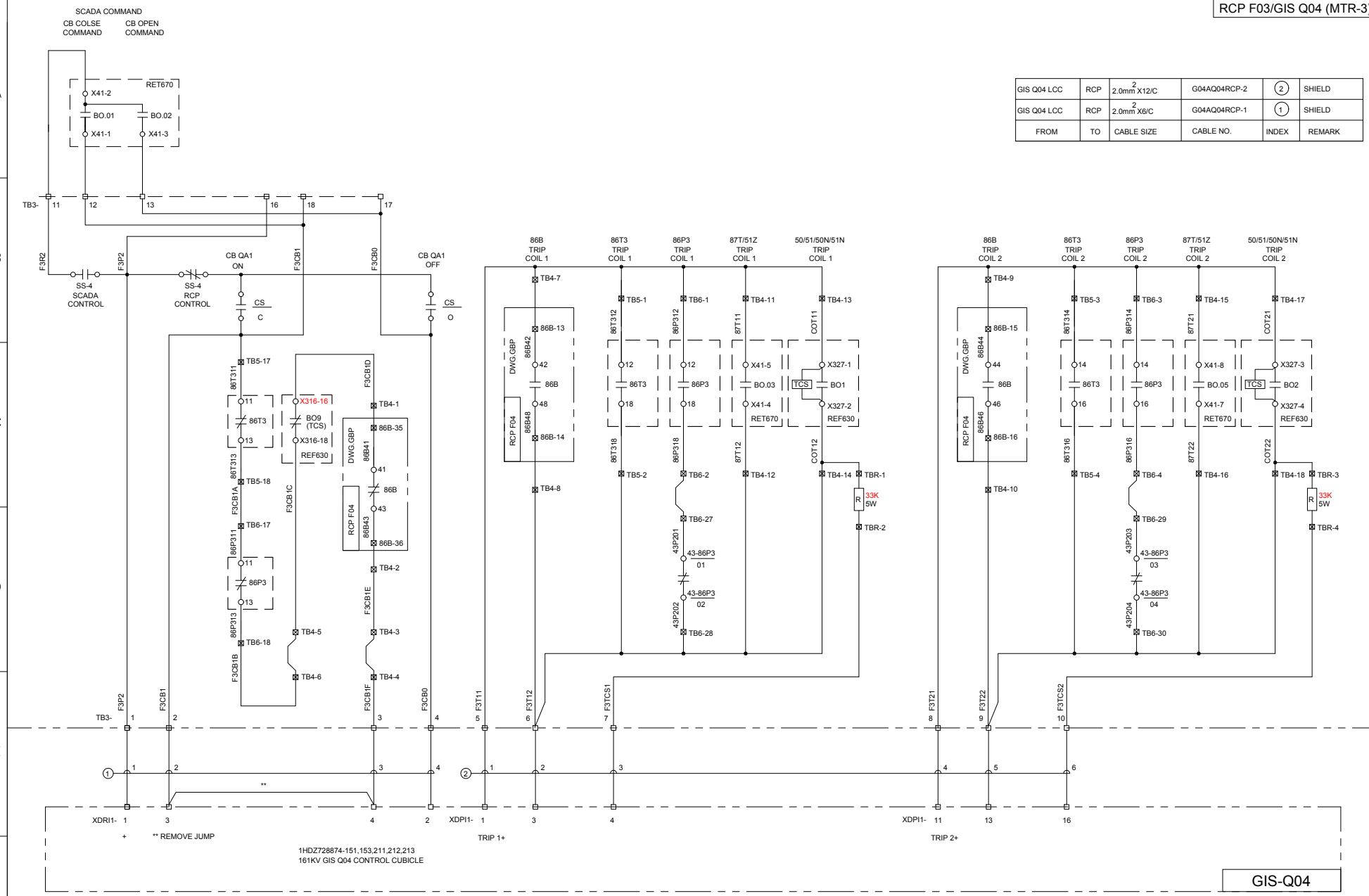


33kV MP4	RCP	2.0mm² X4/C	G03DMP4RCP-1	④	SHIELD
33kV MP3	RCP	2.0mm² X4/C	G03DMP3RCP-1	③	SHIELD
33kV MP2	RCP	2.0mm² X4/C	G03DMP2RCP-1	②	SHIELD
33kV MP1	RCP	2.0mm² X4/C	G03DMP1RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title 50+2-1,2 CB ON-OFF COMMAND CONTROL CIRCUIT DIAGRAM (2)	Doc. des.	DWG. NO. VENA-G03D
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

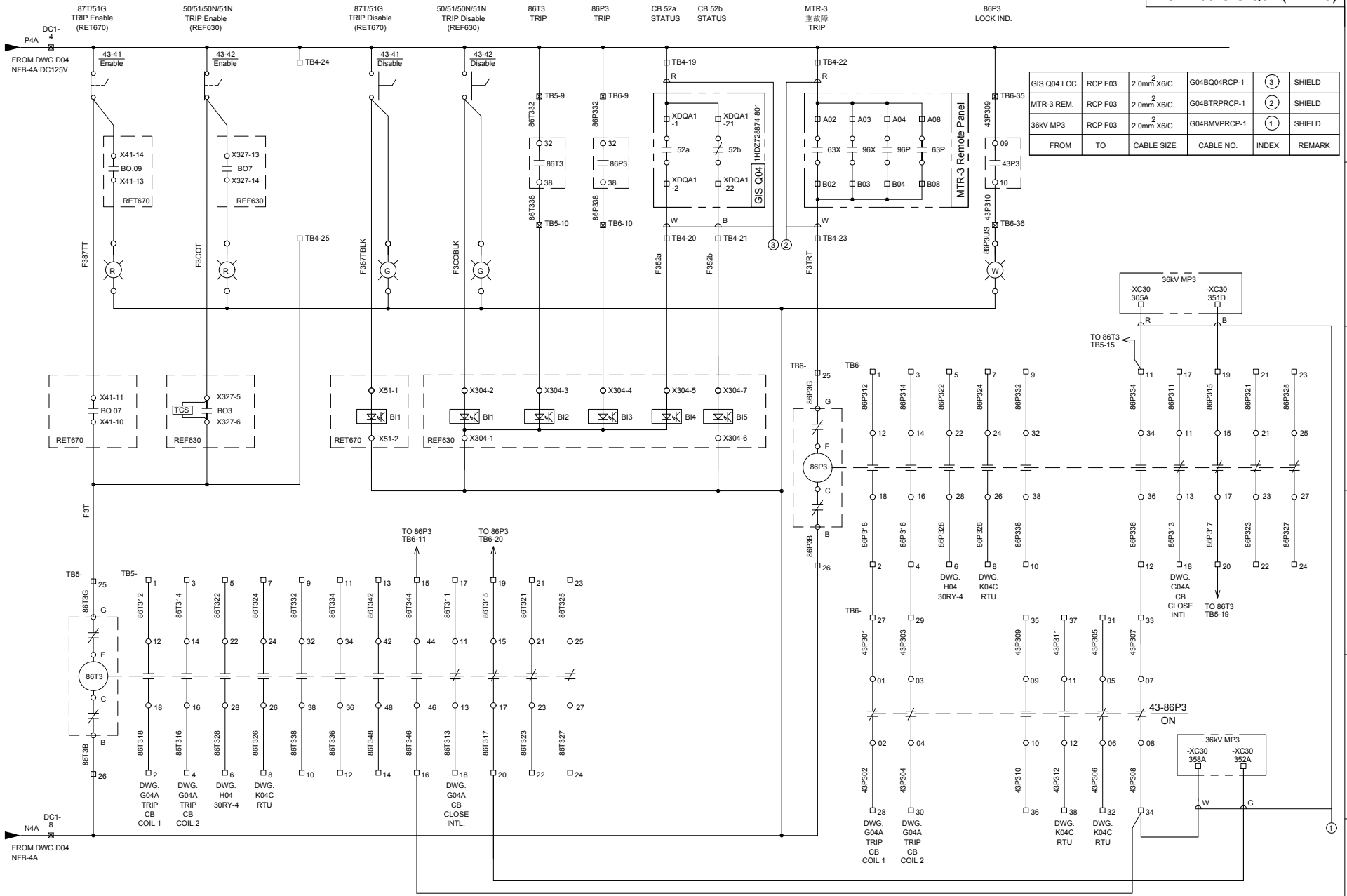
RCP F03/GIS Q04 (MTR-3)

FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK
GIS Q04 LCC	RCP	$2.0mm^2$ X12/C	G04AQ04RCP-2	(2)	SHIELD
GIS Q04 LCC	RCP	$2.0mm^2$ X6/C	G04AQ04RCP-1	(1)	SHIELD



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q04 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	Doc. des.	DWG. NO. VENA- G04A
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

RCP F03/GIS Q04 (MTR-3)

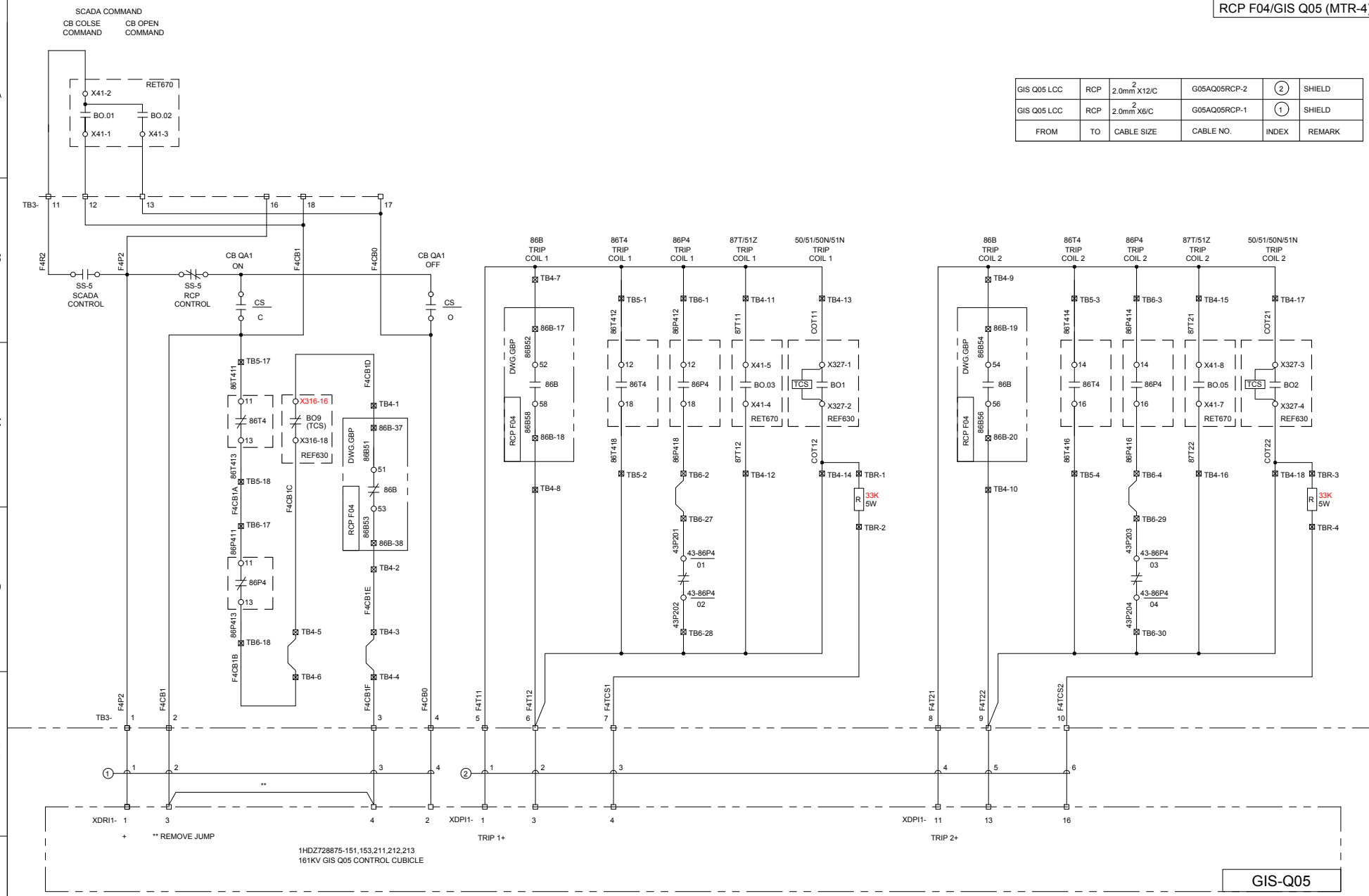


GIS Q04 LCC	RCP F03	2.0mm² X6/C	G04BQ04RCP-1	③	SHIELD
MTR-3 REM.	RCP F03	2.0mm² X6/C	G04BTRPRCP-1	②	SHIELD
36kV MP3	RCP F03	2.0mm² X6/C	G04BMVPRCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q04 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	Doc. des.	DWG. NO. VENA- G04B
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

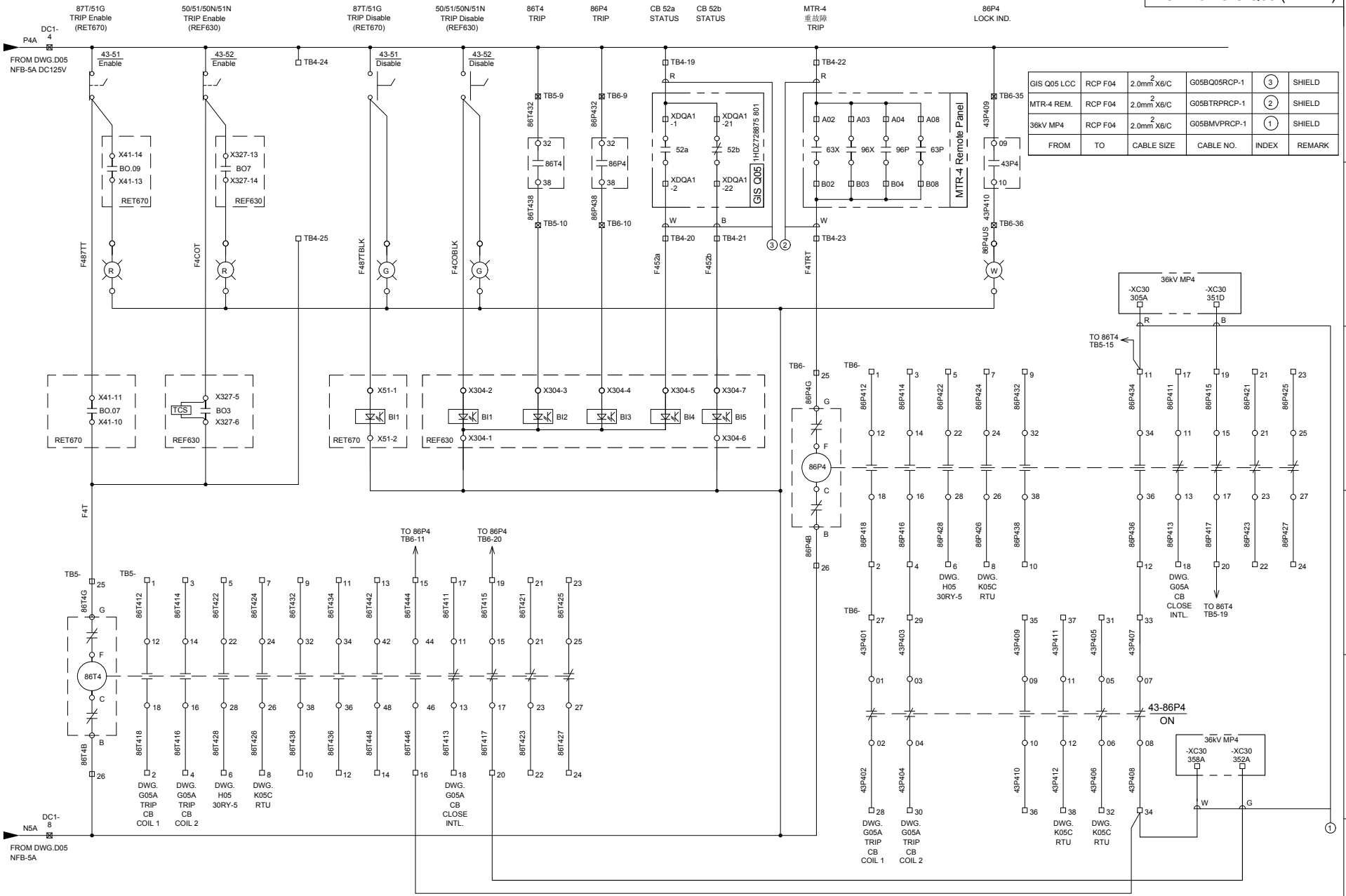
RCP F04/GIS Q05 (MTR-4)

FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK
GIS Q05 LCC	RCP	$2.0mm^2$ X12/C	G05AQ05RCP-2	(2)	SHIELD
GIS Q05 LCC	RCP	$2.0mm^2$ X6/C	G05AQ05RCP-1	(1)	SHIELD



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q05 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (1)	Doc. des.	DWG. NO. VENA- G05A
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

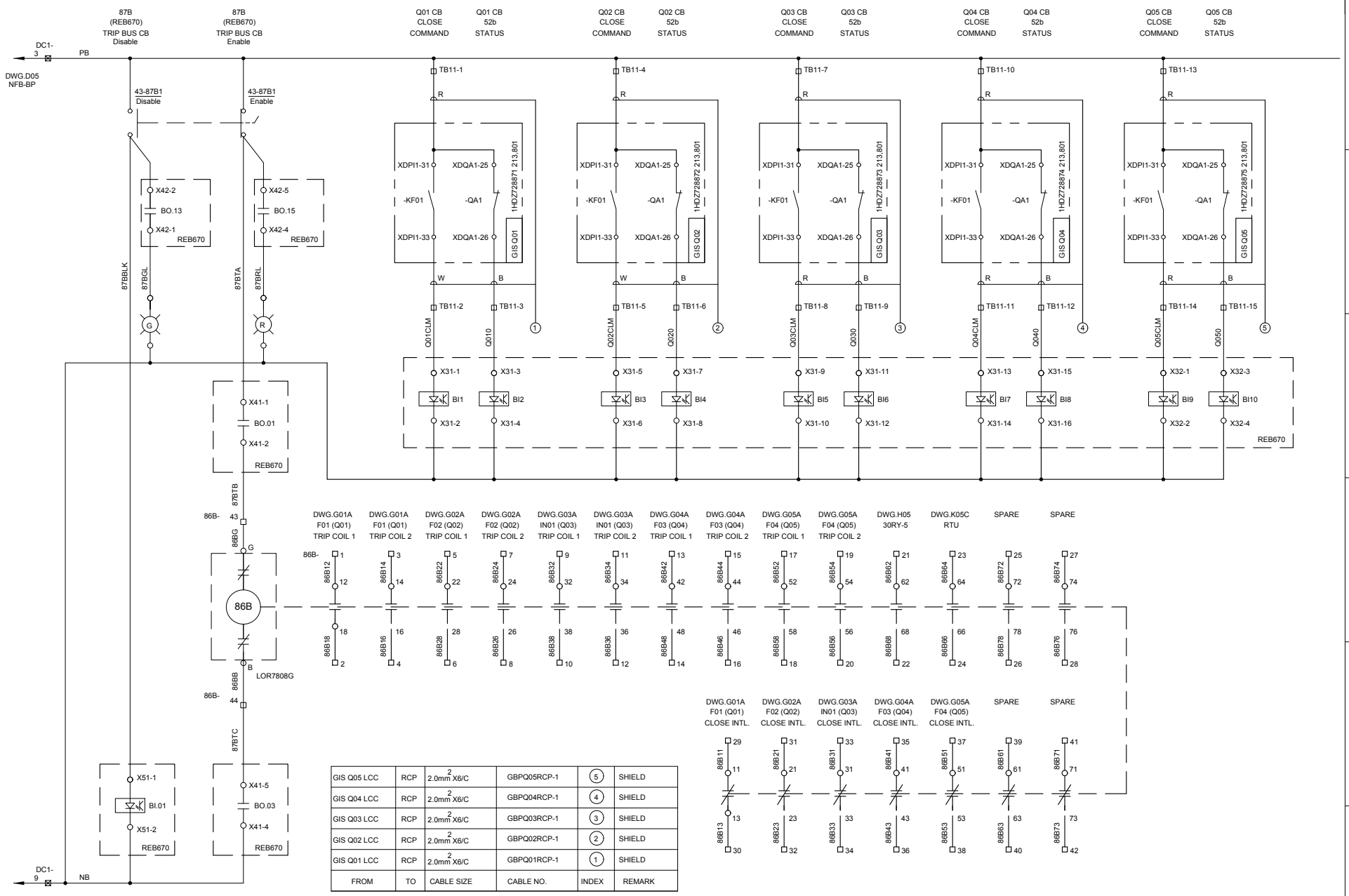
RCP F04/GIS Q05 (MTR-4)



GIS Q05 LCC	RCP F04	2 2.0mm² X6/C	G05BQ05RCP-1	③	SHIELD
MTR-4 REM.	RCP F04	2 2.0mm² X6/C	G05BTRPRCP-1	②	SHIELD
36kV MP4	RCP F04	2 2.0mm² X6/C	G05BMVPRCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q05 CB ON-OFF & TRIP CONTROL CIRCUIT DIAGRAM (2)	Doc. des.	DWG. NO. VENA- G05B
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

RCP F04/GIS Q05 (MTR-4)



FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK
GIS Q05 LCC	RCP	2.0mm² X6/C	GBPQ05RCP-1	5	SHIELD
GIS Q04 LCC	RCP	2.0mm² X6/C	GBPQ04RCP-1	4	SHIELD
GIS Q03 LCC	RCP	2.0mm² X6/C	GBPQ03RCP-1	3	SHIELD
GIS Q02 LCC	RCP	2.0mm² X6/C	GBPQ02RCP-1	2	SHIELD
GIS Q01 LCC	RCP	2.0mm² X6/C	GBPQ01RCP-1	1	SHIELD

Issued for	Date	Rev.	Derived fm	Replaces
For Approval	2021-10-08	D		
For Approval	2021-09-08	C		
For Approval	2021-09-06	B		
For Approval	2021-08-17	A		

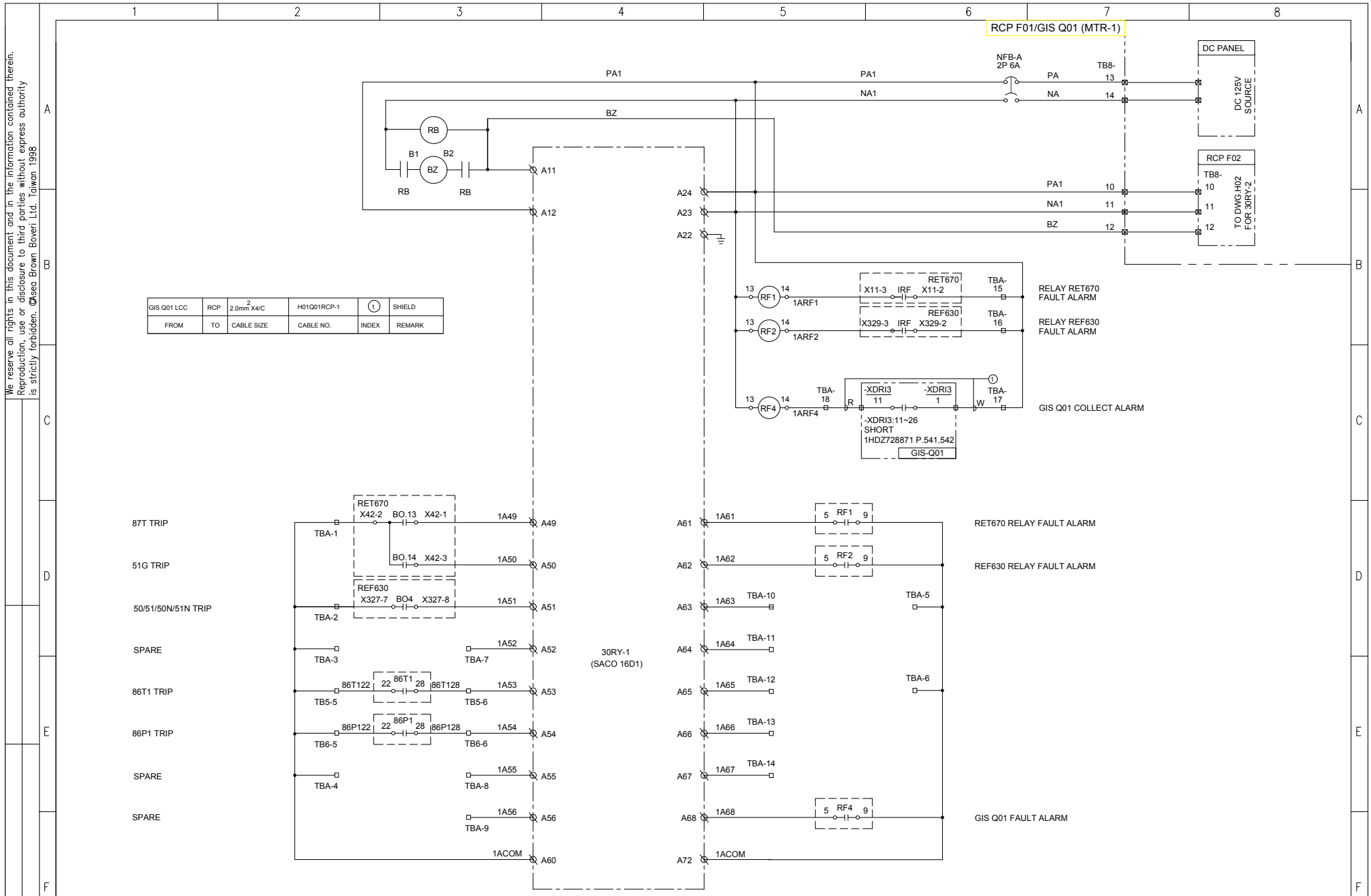
Project: VENA ENERGY
161KV GIS S/S PROJECT
Customer 韋能台西

Approved by	Jeff Lu	Date 2021-06-18
Checked by	Jeff Lu	Date 2021-06-18
Prepared by	Chuan Hua	Date 2021-06-18

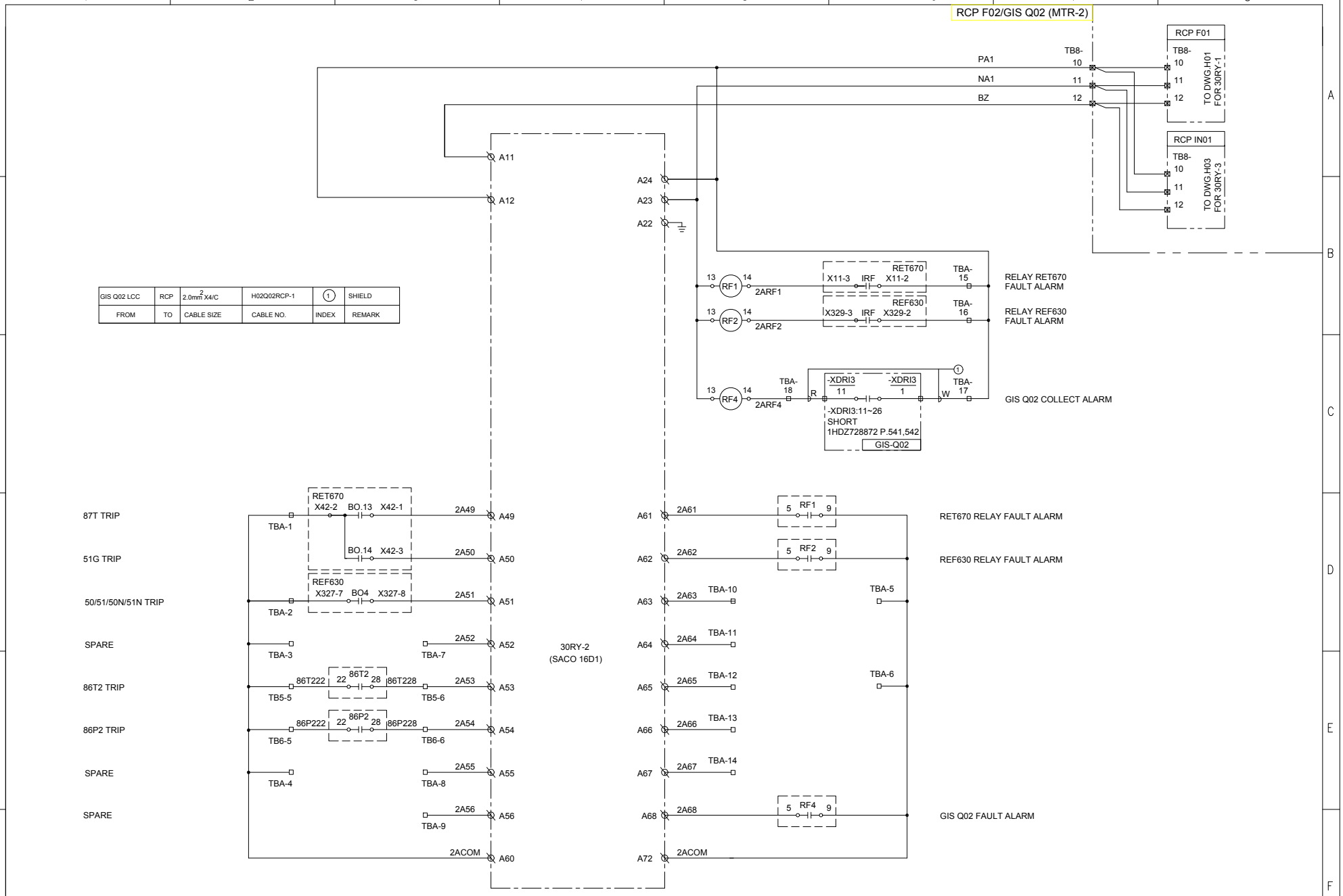
Title: 87B PROTECTION RELAY TRIP CIRCUIT DIAGRAM

台灣日立電網股份有限公司

Doc. des.	DWG. NO. VENA- GBP	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title ALARM SYSTEM 30RY-1 WIRING DIAGRAM FOR RCP F01	Doc. des.	DWG. NO. VENA-H01
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A							Cont. ~
Issued for	Date	Rev.	Derived fm	Replaces					



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	ALARM SYSTEM 30RY-2 WIRING DIAGRAM FOR RCP F02	Doc. des.	DWG. NO. VENA-H02
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司		Doc. No.	Sheet 1 / Cont. ～
For Approval	2021-08-17	A	Derived fm	Replaces						
Issued for	Date	Rev.								

RCP IN01/GIS Q03 (TPC)

GIS Q03 LCC	RCP	2 2.0mm X4/C	H03Q03RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

PA1 — BZ — A11 — A12

PA1 — NA1 — BZ — TB8-10 — TB8-11 — TB8-12

RCP F02: TB8-10, TB8-11, TB8-12 — TO DWG.H02 FOR 30RY-2

RCP F03: TB8-10, TB8-11, TB8-12 — TO DWG.H04 FOR 30RY-4

A24, A23, A22

RF1	3ARF1	7SL86-1 B7 IRF B10	TBA-14	RELAY 7SL86-1 FAULT ALARM
RF2	3ARF2	7SL86-2 B7 IRF B10	TBA-14	RELAY 7SL86-2 FAULT ALARM
RF3	3ARF3	7SJ82-1 L7 IRF L10	TBA-15	RELAY 7SJ82-1 FAULT ALARM
RF4	3ARF4	7SJ82-2 L7 IRF L10	TBA-15	RELAY 7SJ83-2 FAULT ALARM
RF5	3ARF5	TBA-18 R -XDRI3 11 — -XDRI3 1 W TBA-17 (①)		GIS Q03 COLLECT ALARM

-XDRI3:11~26 SHORT
1HDZ728873 P.541,542
GIS-Q03

A61	3A61	5 RF1 9	7SL86-1 RELAY FAULT ALARM
		5 RF2 9	7SL86-2 RELAY FAULT ALARM
A62	3A62 TBA-8	7SL86-1 C10 BO1.6 C7	87L1 COMM. FAULT ALARM
		7SL86-2 C10 BO1.6 C7	87L2 COMM. FAULT ALARM
A62	3A62	5 RF3 9	7SJ82-1 RELAY FAULT ALARM
		5 RF4 9	7SJ82-2 RELAY FAULT ALARM
A63	3A63 TBA-9	7SJ82-1 B14 BO1.3 B13	50+2-1 COMM. FAULT ALARM
		7SJ82-2 B14 BO1.3 B13	50+2-2 COMM. FAULT ALARM
A64	3A64 TBA-10	TBA-5	
A65	3A65 TBA-11		
A66	3A66 TBA-12		SPARE
A67	3A67 TBA-13	TBA-6	SPARE
A68	3A68	5 RF5 9	GIS Q03 FAULT ALARM
A72	3ACOM		

87L1 TRIP	TBA-1	7SL86-1 B11 BO1.2 B12	3A49 A49
DTT1 TRIP	TBA-1	B3 BO2.1 B4	3A50 A50
21/21N-1 TRIP	TBA-2	B5 BO2.2 B8	3A51 A51
86L TRIP	TB5-5 86L22	86L 22 28 86L28 TB5-6	3A52 A52
87L2 TRIP	TBA-2	7SL86-2 B11 BO1.2 B12	3A53 A53
DTT2 TRIP	TBA-3	B3 BO2.1 B4	3A54 A54
21/21N-2 TRIP	TBA-3	B5 BO2.2 B8	3A55 A55
SPARE	TBA-4	TBA-7	3A56 A56
			3ACOM A60

30RY-1
(SACO 16D1)

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT
For Approval	2021-09-08	C		
For Approval	2021-09-06	B		
For Approval	2021-08-17	A	Customer 韋能台西	
Issued for	Date	Rev.	Derived fm	Replaces

Approved by	Jeff Lu	Date	2021-06-18
Checked by	Jeff Lu	Date	2021-06-18
Prepared by	Chuan Hua	Date	2021-06-18

Title: ALARM SYSTEM 30RY-3 WIRING DIAGRAM FOR RCP IN01

台灣日立電網股份有限公司

Doc. des.		DWG. NO.	VENA-H03
Resp. dept.		Scale	Lang.
Doc. No.			Sheet 1
			Cont. ～

RCP F03/GIS Q04 (MTR-3)

GIS Q04 LCC	RCP	2.0mm² X4/C	H04Q04RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

RCP IN01
TB8-10 PA1
TB8-11 NA1
TB8-12 BZ
TO DWG.H03 FOR 30RY-3

RCP F04
TB8-10
TB8-11
TB8-12
TO DWG.H05 FOR 30RY-5

A11
A12
A24
A23
A22

13 RF1 14 4ARF1 — RET670 X11-3 IRF X11-2 — TBA-15 — RELAY RET670 FAULT ALARM
13 RF2 14 4ARF2 — REF630 X329-3 IRF X329-2 — TBA-16 — RELAY REF630 FAULT ALARM
13 RF4 14 4ARF4 — TBA-18 R -XDRI3 11 -XDRI3 1 W TBA-17 — GIS Q04 COLLECT ALARM

-XDRI3:11~26
SHORT
1HDZ728874 P.541,542
GIS-Q04

87T TRIP	TBA-1	RET670 X42-2 BO.13 X42-1	4A49	A49	A61 — 4A61 — 5 RF1 9 — RET670 RELAY FAULT ALARM
51G TRIP		BO.14 X42-3	4A50	A50	A62 — 4A62 — 5 RF2 9 — REF630 RELAY FAULT ALARM
50/51/50N/51N TRIP	TBA-2	REF630 X327-7 BO4 X327-8	4A51	A51	A63 — 4A63 — REF630 X327-16 BO8 X327-15 TBA-5 — 27/59 ALARM
SPARE	TBA-3		4A52	A52	A64 — 4A64 — REF630 X327-18 BO9 X327-17 TBA-6 — 59Vo ALARM
86T3 TRIP	TB5-5	86T322 22 86T3 28 86T328	4A53	A53	A65 — 4A65 — REF630 X327-12 BO1 X327-11 TBA-6 — 81H-L ALARM
86P3 TRIP	TB6-5	86P322 22 86P3 28 86P328	4A54	A54	A66 — 4A66 — TBA-13
SPARE	TBA-4		4A55	A55	A67 — 4A67 — TBA-14
SPARE			4A56	A56	A68 — 4A68 — 5 RF4 9 — GIS Q04 FAULT ALARM
			4ACOM	A60	A72 — 4ACOM

30RY-4
(SACO 16D1)

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title ALARM SYSTEM 30RY-4 WIRING DIAGRAM FOR RCP F03
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA-H04	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～

RCP F04/GIS Q05 (MTR-4)

GIS Q05 LCC	RCP	2.0mm² X4/C	H05Q05RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

RCP F03

PA1 TB8-10 → TB8-10
NA1 TB8-11 → TB8-11
BZ TB8-12 → TB8-12
TO DWG.H04 FOR 30RY-4

A11
A12
A24
A23
A22

RF1 13/14 5ARF1 — RET670 X11-3 IRF X11-2 — TBA-15 — RELAY RET670 FAULT ALARM
RF2 13/14 5ARF2 — REF630 X329-3 IRF X329-2 — TBA-15 — RELAY REF630 FAULT ALARM
RF3 13/14 5ARF3 — REB670 X11-3 IRF X11-2 — TBA-16 — RELAY REB670 FAULT ALARM
RF4 13/14 5ARF4 — TBA-18 R -XDRI3 11 / -XDRI3 1 W TBA-17 — GIS Q05 COLLECT ALARM

-XDRI3:11~26
SHORT
1HDZ728875 P.541,542
GIS-Q05

87T TRIP	RET670 X42-2 BO.13 X42-1	TBA-1	5A49	A49	A61	5A61	5 RF1 9	RET670 RELAY FAULT ALARM
51G TRIP	RET670 BO.14 X42-3		5A50	A50	A62	5A62	5 RF2 9	REF630 RELAY FAULT ALARM
50/51/50N/51N TRIP	REF630 X327-7 BO4 X327-8	TBA-2	5A51	A51	A63	5A63	5 RF3 9	REB670 RELAY FAULT ALARM
87B TRIP	REB670 X41-8 BO5 X41-7	TBA-3	5A52	A52	A64	5A64	TBA-11 / TBA-5	
86T4 TRIP	86T422 22 86T4 28 86T428	TB5-5 / TB5-6	5A53	A53	A65	5A65	TBA-12	
86P4 TRIP	86P422 22 86P4 28 86P428	TB6-5 / TB6-6	5A54	A54	A66	5A66	TBA-13 / TBA-6	
86B TRIP	86B62 62 86B 68 86B68	86B-21 / 86B-22	5A55	A55	A67	5A67	TBA-14	
SPARE		TBA-4 / TBA-9	5A56	A56	A68	5A68	5 RF4 9	GIS Q05 FAULT ALARM
			5ACOM	A60	A72	5ACOM		

30RY-5
(SACO 16D1)

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	ALARM SYSTEM 30RY-5 WIRING DIAGRAM FOR RCP F04	Doc. des.	DWG. NO. VENA-H05
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司		Doc. No.	Sheet 1 / Cont. ～
For Approval	2021-08-17	A	Derived fm	Replaces						
Issued for	Date	Rev.								

30RY-1 (F01)

87T (RET670) TRIP 1	51G (RET670) TRIP 2	50/51/50N/51N (REF630) TRIP 3	4
86T1 TRIP 5	86P1 TRIP 6	7	8
87T/51G RET670 RELAY FAULT ALARM 9	50/51/50N/51N REF630 RELAY FAULT ALARM 10	11	12
13	14	15	161KV GIS Q01 FAULT ALARM 16

30RY-2 (F02)

87T (RET670) TRIP 1	51G (RET670) TRIP 2	50/51/50N/51N (REF630) TRIP 3	4
86T2 TRIP 5	86P2 TRIP 6	7	8
87T/51G RET670 RELAY FAULT ALARM 9	50/51/50N/51N REF630 RELAY FAULT ALARM 10	11	12
13	14	15	161KV GIS Q02 FAULT ALARM 16

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	ALARM SYSTEM WINDOWS DIAGRAM FOR RCP F01 & RCP F02	Doc. des.	DWG. NO. VENA-I01	
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司		Doc. No.		Sheet 1
For Approval	2021-08-17	A									Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces							

30RY-3 (IN01)

87L1 (7SL86-1) TRIP 1	DTT-1 (7SL86-1) TRIP 2	21/21N-1 67/67N-1 (7SL86-1) TRIP 3	86L TRIP 4
87L2 (7SL86-2) TRIP 5	DTT-2 (7SL86-2) TRIP 6	21/21N-2 67/67N-2 (7SL86-2) TRIP 7	8
87L1 / 87L2 (7SL86-1) (7SL86-2) RELAY FAULT ALARM 9	87L1 / 87L2 (7SL86-1) (7SL86-2) COMM. ALARM 10	50+2-1 / 50+2-2 (7SJ82-1) (7SJ82-2) RELAY FAULT ALARM 11	50+2-1 / 50+2-2 (7SJ82-1) (7SJ82-2) COMM. ALARM 12
13	14	15	161KV GIS Q03 FAULT ALARM 16

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	ALARM SYSTEM WINDOWS DIAGRAM FOR RCP IN01	Doc. des.	DWG. NO. VENA- I02	
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18		台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西								Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces							

30RY-4 (F03)

87T (RET670) TRIP 1	51G (RET670) TRIP 2	50/51/50N/51N (REF630) TRIP 3	4
86T3 TRIP 5	86P3 TRIP 6	7	8
87T/51G RET670 RELAY FAULT ALARM 9	50/51/50N/51N REF630 RELAY FAULT ALARM 10	BUS 27/59 ALARM 11	BUS 59Vo ALARM 12
BUS 81H-L ALARM 13	14	15	161KV GIS Q04 FAULT ALARM 16

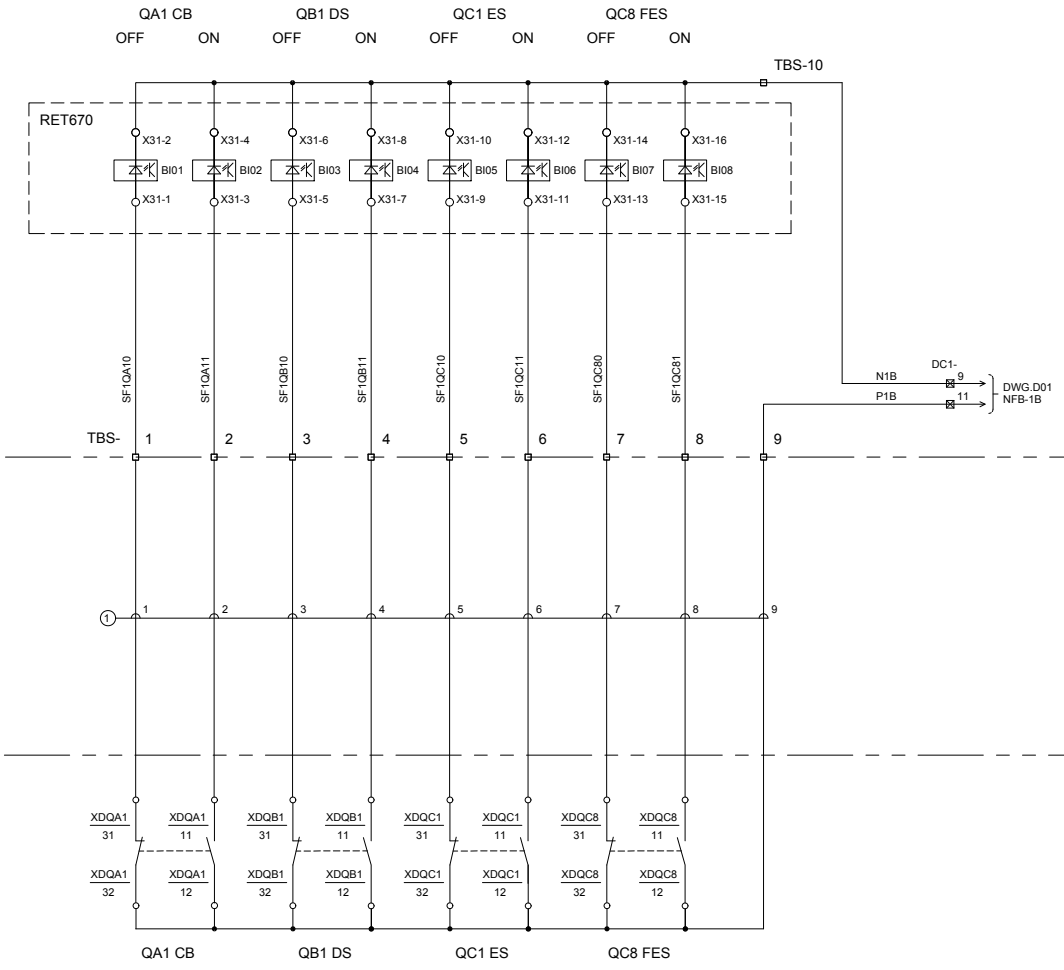
30RY-5 (F04)

87T (RET670) TRIP 1	51G (RET670) TRIP 2	50/51/50N/51N (REF630) TRIP 3	87B (REB670) TRIP 4
86T4 TRIP 5	86P4 TRIP 6	86B TRIP 7	8
87T/51G RET670 RELAY FAULT ALARM 9	50/51/50N/51N REF630 RELAY FAULT ALARM 10	87B REB670 RELAY FAULT ALARM 11	12
13	14	15	161KV GIS Q05 FAULT ALARM 16

For Approval	2021-10-08	D	Project VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title ALARM SYSTEM WINDOWS DIAGRAM FOR RCP F03 & RCP F04	Doc. des.	DWG. NO. VENA-103	
For Approval	2021-09-08	C		Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B	Customer 韋能台西	Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A							Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

RCP F01/GIS Q01 (MTR-1)

GIS Q01 CB & DS & ES ON-OFF STATUS CIRCUIT DIAGRAM FOR SCADA SYSTEM



161KV GIS Q01 CONTROL PANEL(1HDZ728871 801~804)

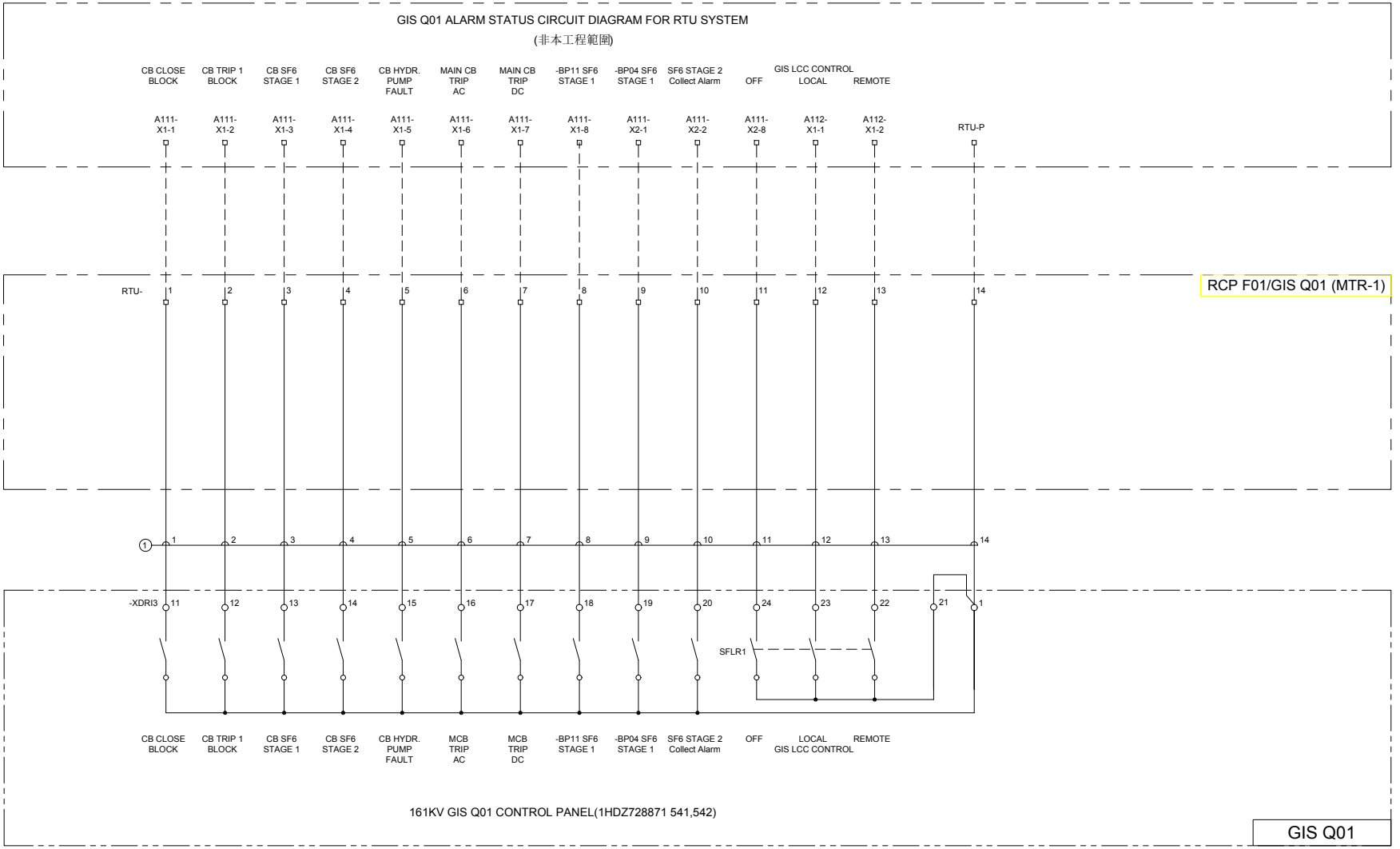
GIS-Q01

GIS Q01 LCC	RCP	2.0mm² X12/C	K01AQ01RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q01 CB & DS & ES ON-OFF STATUS FOR SCADA	Doc. des.	DWG. NO. VENA-K01A
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

GIS Q01 ALARM STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM

(非本工程範圍)

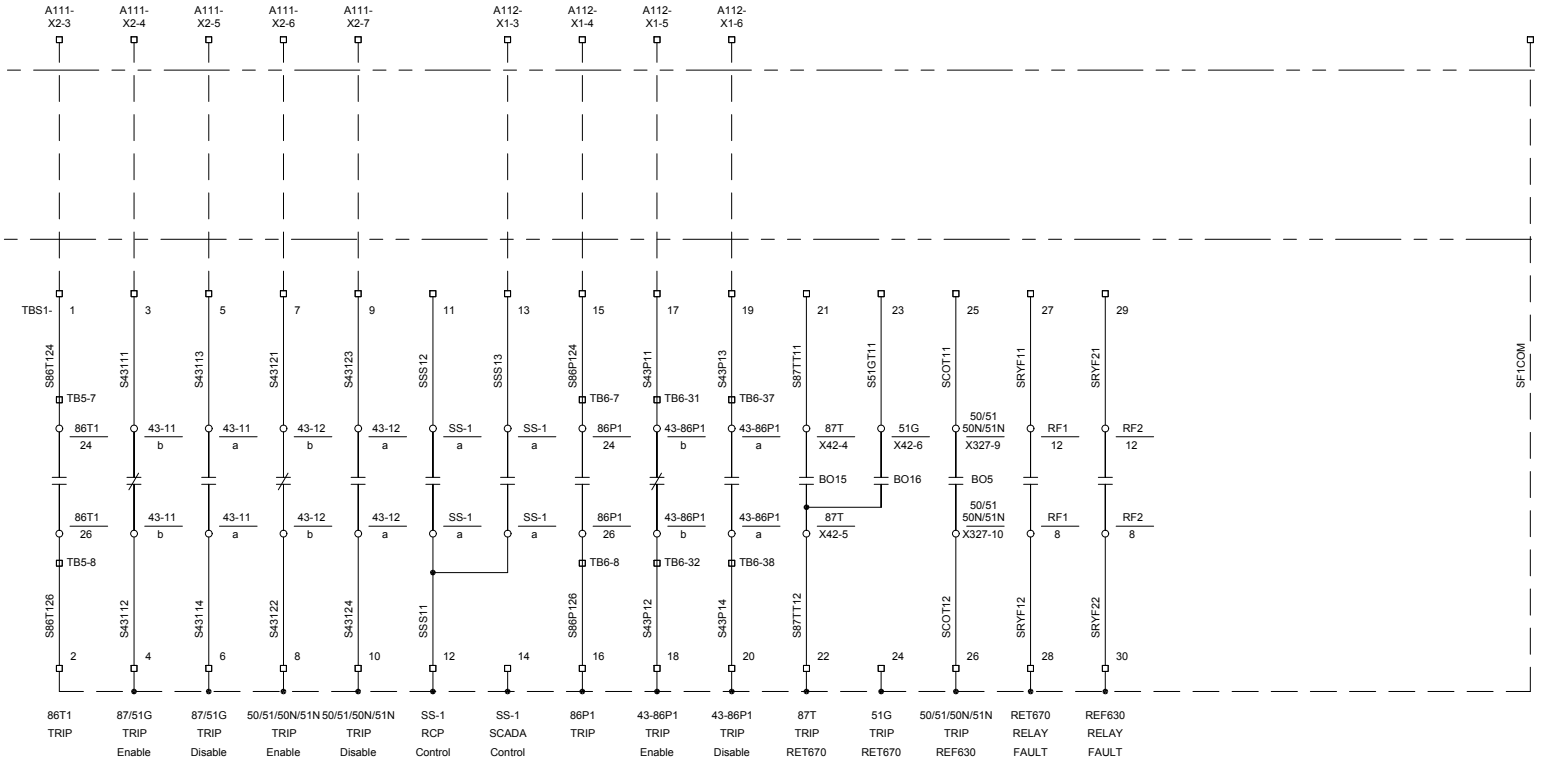


GIS Q01 LCC	RCP	2.0mm² X16/C	K01BQ01RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q01 ALARM STATUS FOR RTU
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA-K01B	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～

RCP F01 PROTECTION RELAY & 43 STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM
(非本工程範圍)

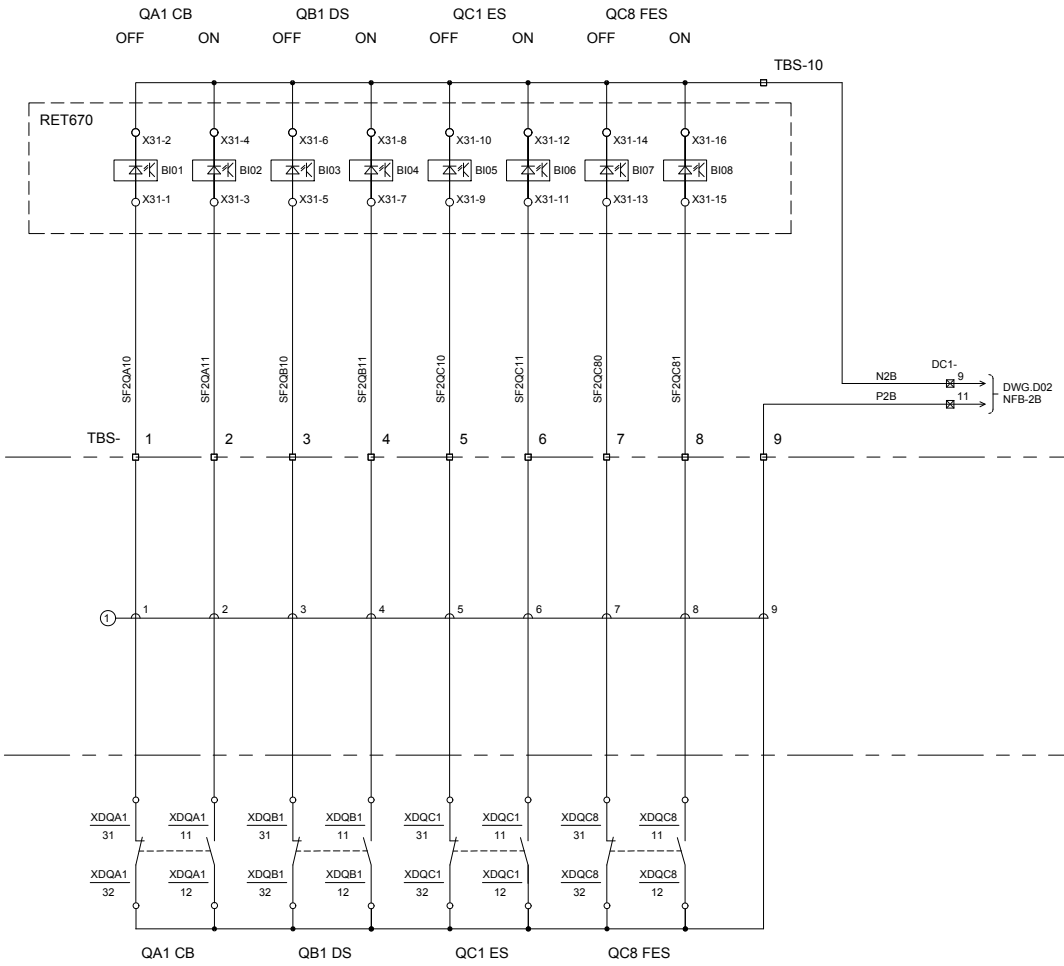


RCP F01/GIS Q01 (MTR-1)

For Approval	2021-10-08	D	Project VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title RCP F01 PROTECTION RELAY & 43 STATUS FOR RTU	Doc. des.	DWG. NO. VENA-K01C	
For Approval	2021-09-08	C		Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

RCP F02/GIS Q02 (MTR-2)

161KV GIS Q02 CB & DS & ES ON-OFF STATUS CIRCUIT DIAGRAM FOR SCADA SYSTEM



161KV GIS Q02 CONTROL PANEL(1HDZ728872 801~804)

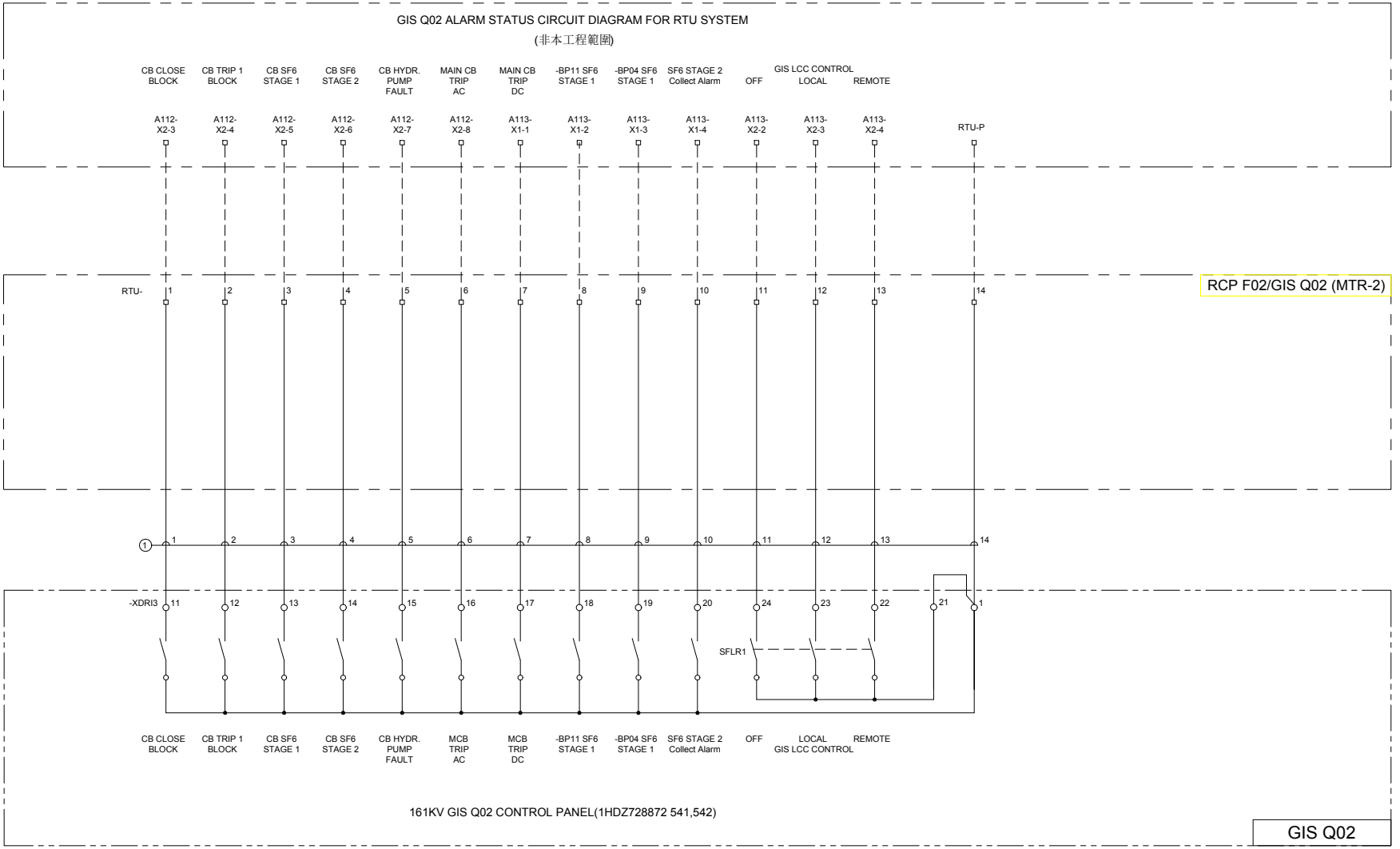
GIS-Q02

GIS Q02 LCC	RCP	2.0mm² X12/C	K02AQ02RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q02 CB & DS & ES ON-OFF STATUS FOR SCADA	Doc. des.	DWG. NO. VENA-K02A	
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西							Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces						

GIS Q02 ALARM STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM

(非本工程範圍)



161KV GIS Q02 CONTROL PANEL(1HDZ728872 541,542)

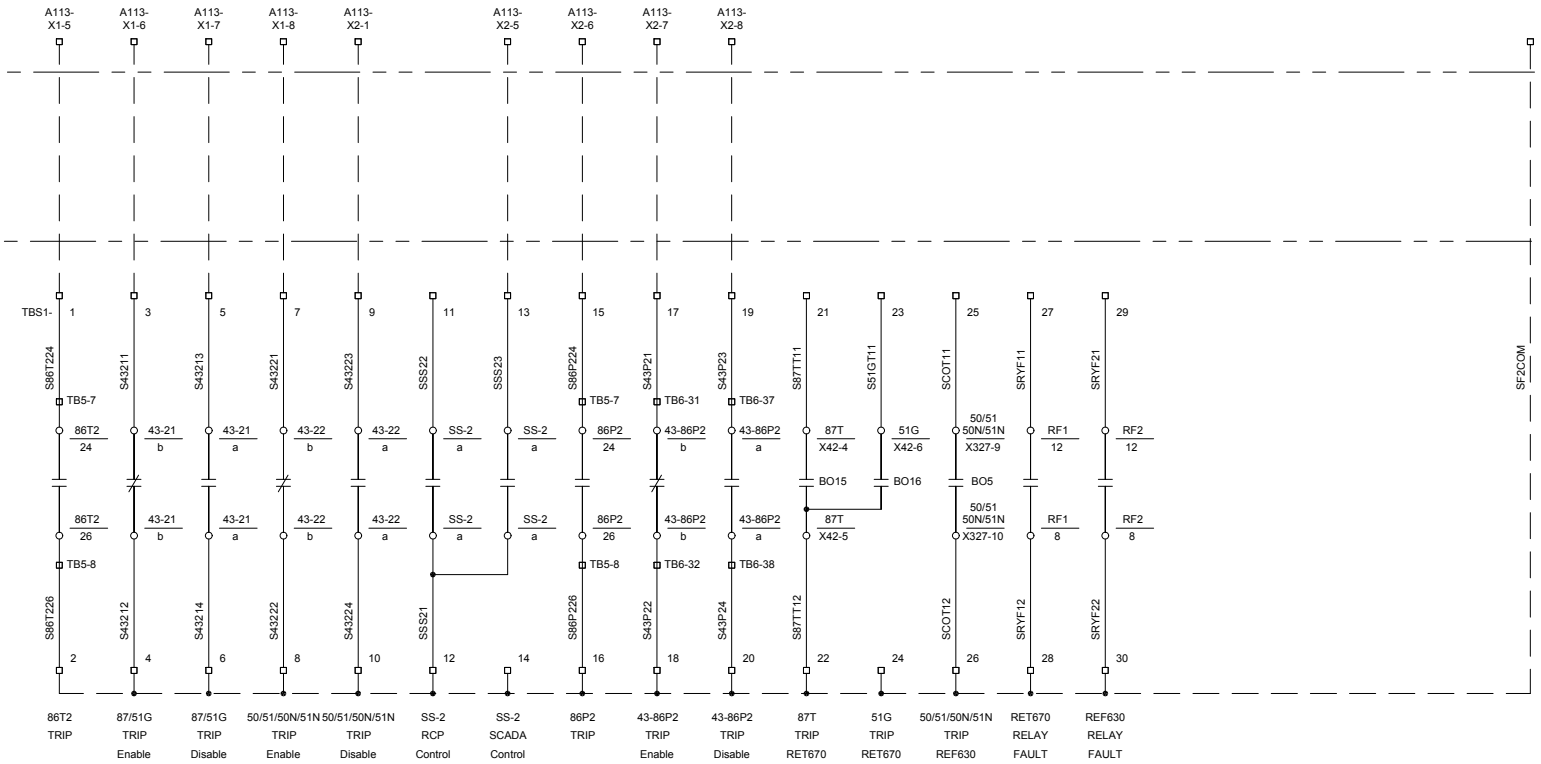
GIS Q02

GIS Q02 LCC	RCP	2.0mm² X16/C	K02BQ02RCP-1	(1)	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q02 ALARM STATUS FOR RTU
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA-K02B	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ~

RCP F02 PROTECTION RELAY & 43 STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM
(非本工程範圍)

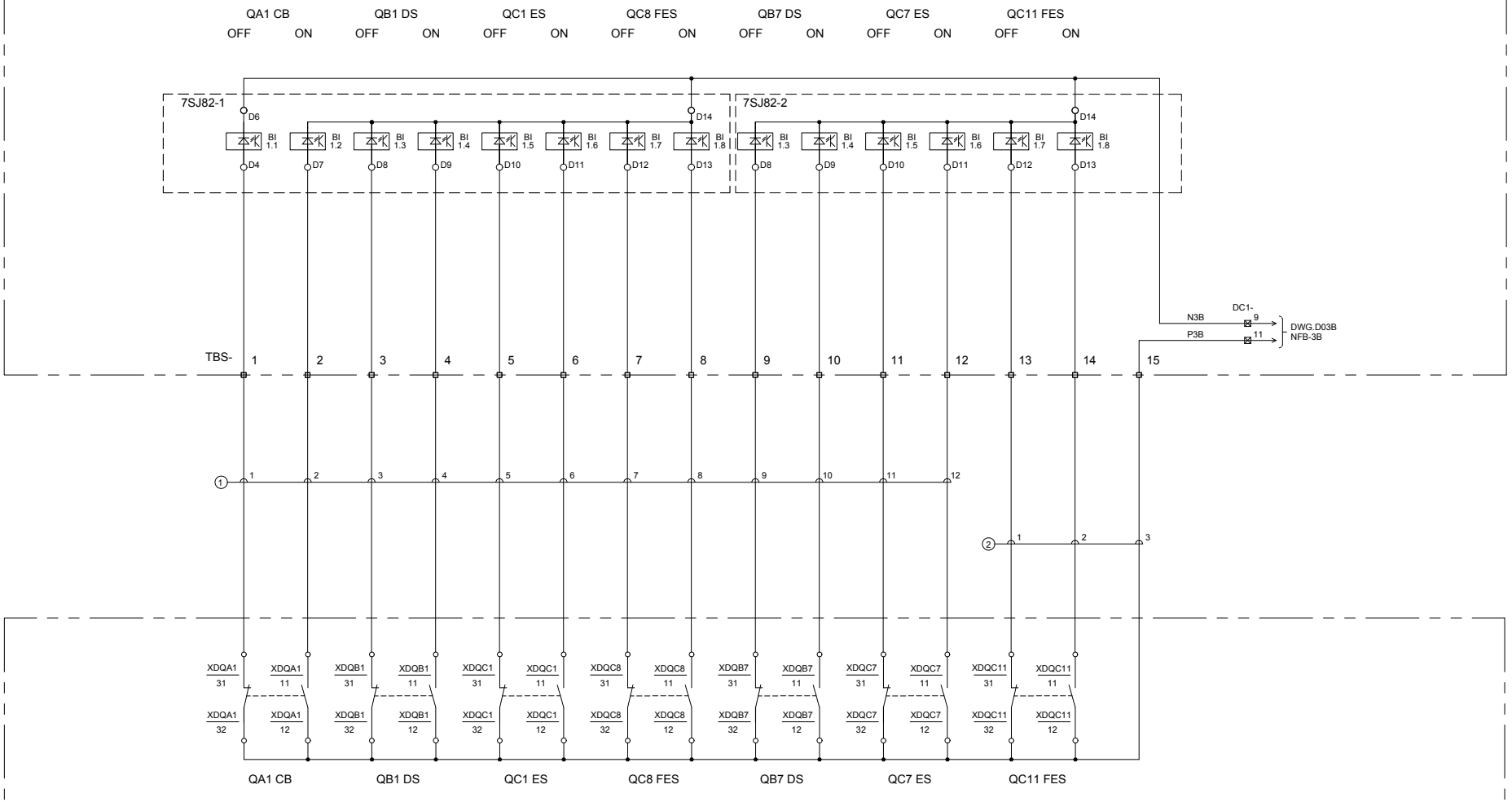


RCP F02/GIS Q02 (MTR-2)

For Approval	2021-10-08	D	Project VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title RCP F02 PROTECTION RELAY & 43 STATUS FOR RTU	Doc. des.	DWG. NO. VENA-K02C	
For Approval	2021-09-08	C		Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B	Customer 韋能台西	Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Derived fm	Replaces					Cont. ～
Issued for	Date	Rev.							

RCP IN01/GIS Q03 (TPC)

161KV GIS Q03 CB & DS & ES ON-OFF STATUS CIRCUIT DIAGRAM FOR SCADA SYSTEM



161KV GIS Q03 CONTROL PANEL(1HDZ728873 801~807)

GIS-Q03

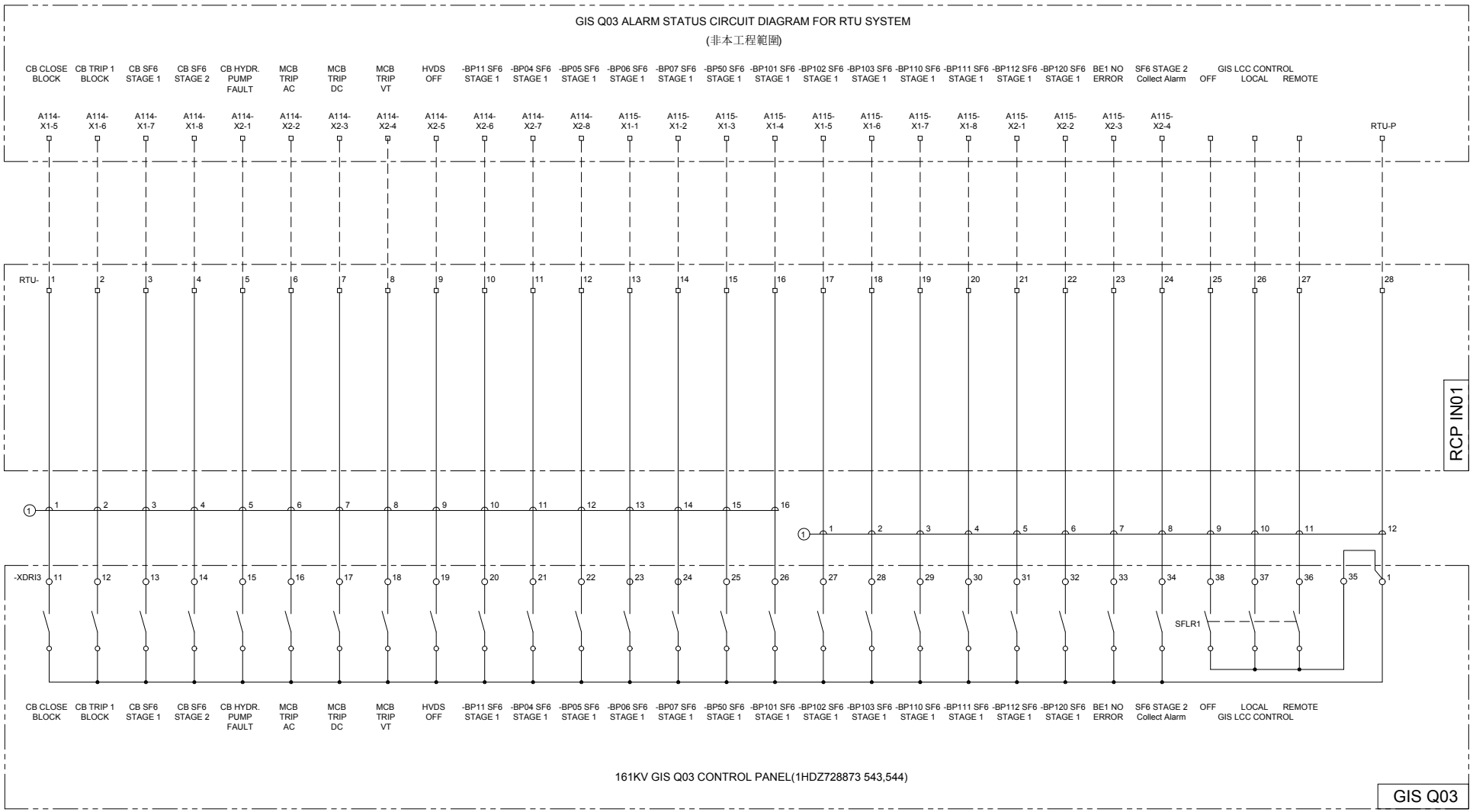
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK
GIS Q03 LCC	RCP	2.0mm² X12/C	K03AQ03RCP-2	②	SHIELD
GIS Q03 LCC	RCP	2.0mm² X12/C	K03AQ03RCP-1	①	SHIELD

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q03 CB & DS & ES ON-OFF STATUS FOR SCADA
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.		DWG. NO.	VENA-K03A
Resp. dept.		Scale	Lang.
Doc. No.			Sheet 1
			Cont. ～

GIS Q03 ALARM STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM

(非本工程範圍)

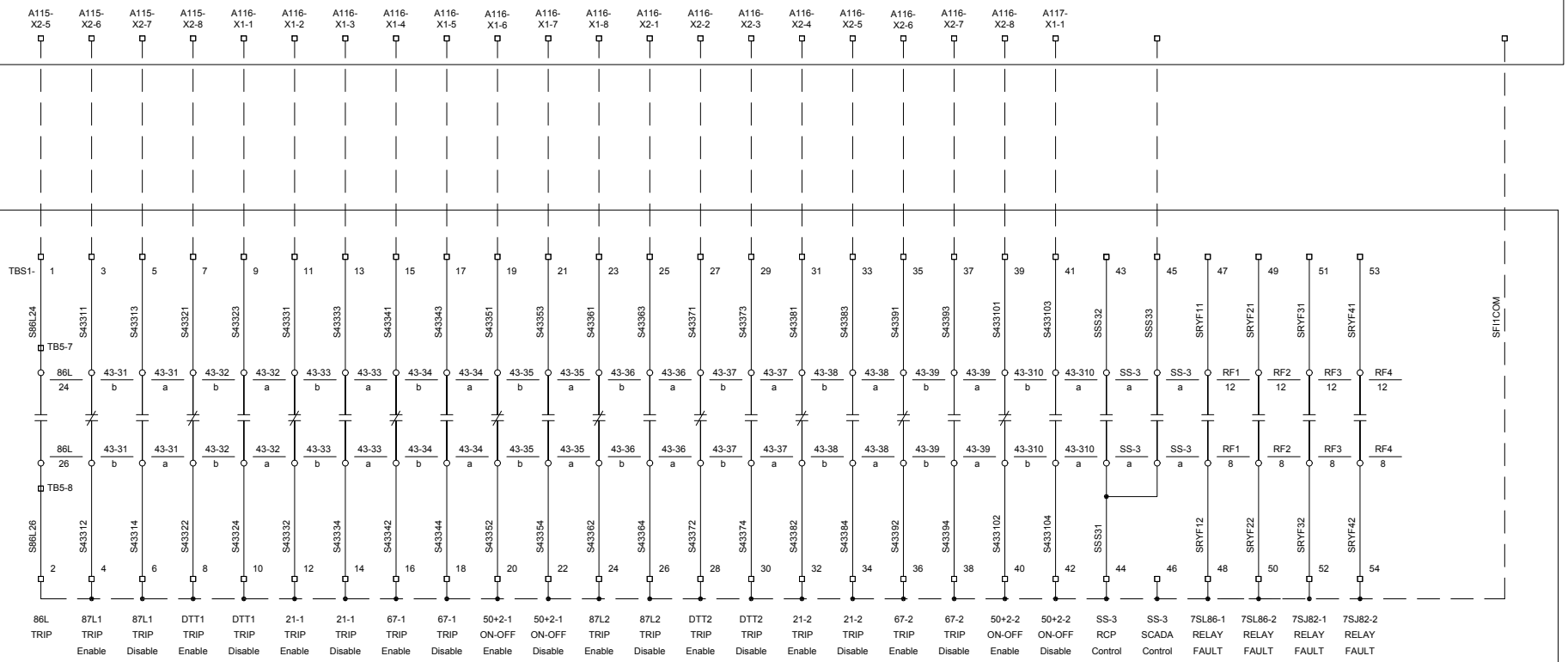


GIS Q03 LCC	RCP	2 2.0mm X16/C	K03BQ03RCP-2	①	SHIELD
GIS Q03 LCC	RCP	2 2.0mm X16/C	K03BQ03RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q03 ALARM STATUS FOR RTU
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA-K03B	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～

RCP IN01 PROTECTION RELAY & 43 STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM
(非本工程範圍)

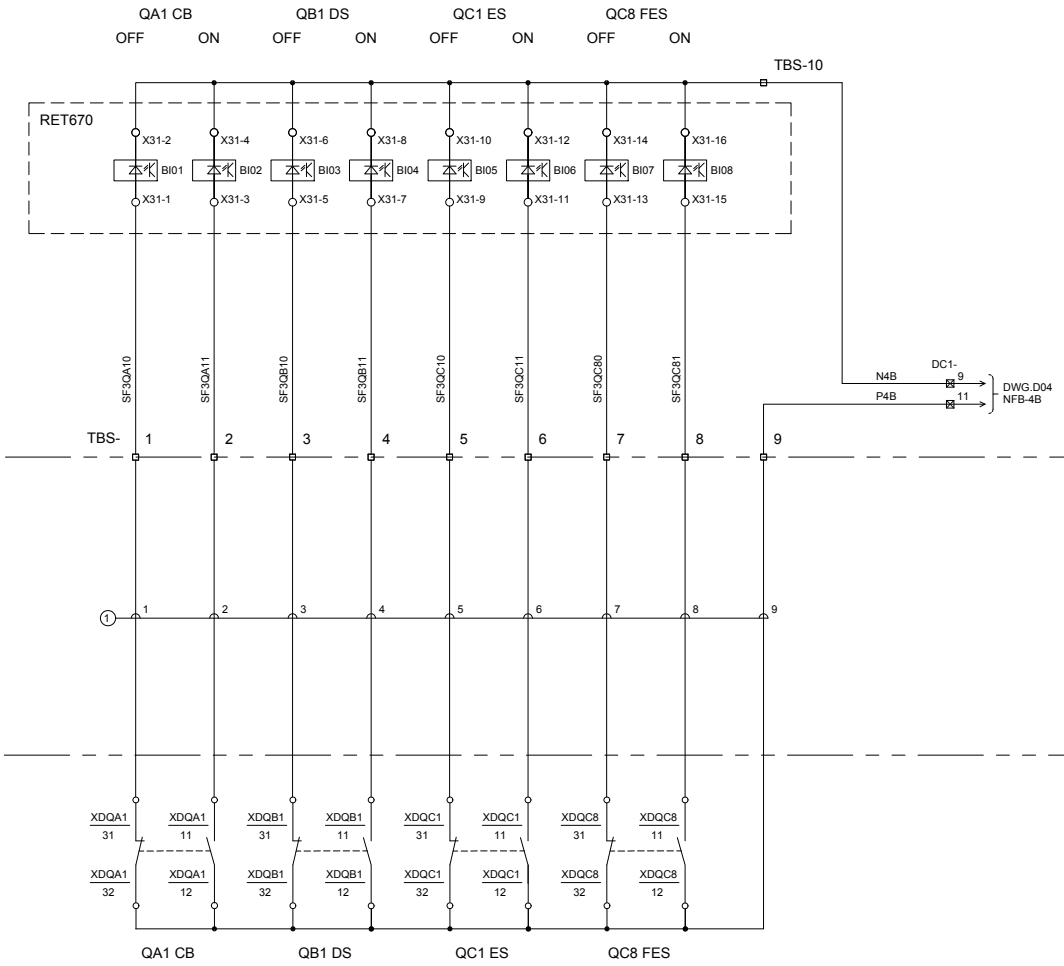


RCP IN01/GIS Q03 (TPC)

For Approval	2021-10-08	D	Project	VENA ENERGY	Approved by Jeff Lu	Date 2021-06-18	Title RCP IN01 PROTECTION RELAY & 43 STATUS FOR RTU	Doc. des.	DWG. NO. VENA-K03C
For Approval	2021-09-08	C		161KV GIS S/S PROJECT	Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A							Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

RCP F03/GIS Q04 (MTR-3)

GIS Q04 CB & DS & ES ON-OFF STATUS CIRCUIT DIAGRAM FOR SCADA SYSTEM



161KV GIS Q04 CONTROL PANEL(1HDZ728874 801~804)

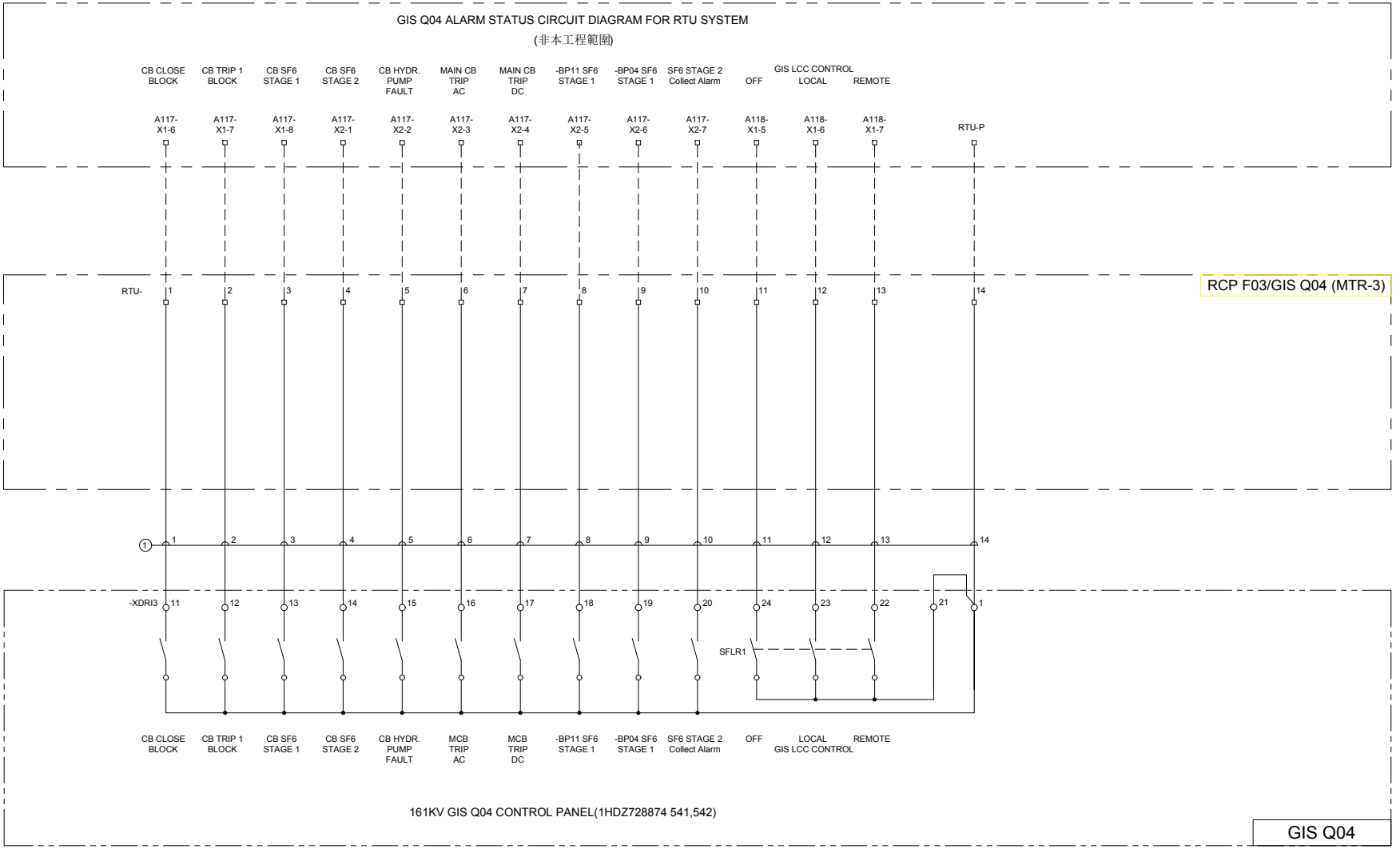
GIS-Q04

GIS Q04 LCC	RCP	2.0mm² X12/C	K04AQ04RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q04 CB & DS & ES ON-OFF STATUS FOR SCADA	Doc. des.	DWG. NO. VENA-K04A
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

GIS Q04 ALARM STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM

(非本工程範圍)



161KV GIS Q04 CONTROL PANEL(1HDZ728874 541,542)

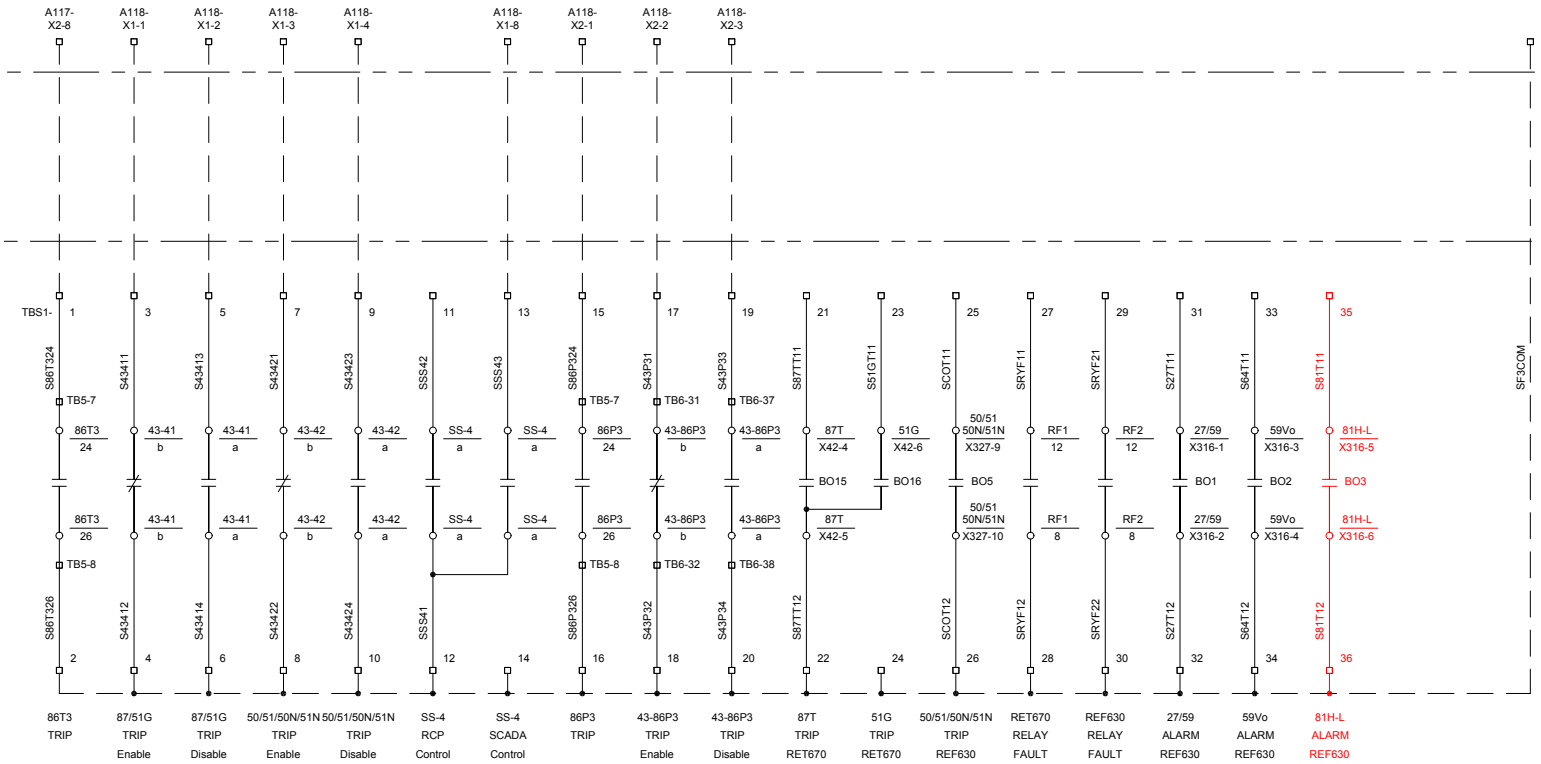
GIS Q04

GIS Q04 LCC	RCP	2.0mm² X16/C	K04BQ04RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q04 ALARM STATUS FOR RTU
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA-K04B	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～

RCP F03 PROTECTION RELAY & 43 STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM
(非本工程範圍)

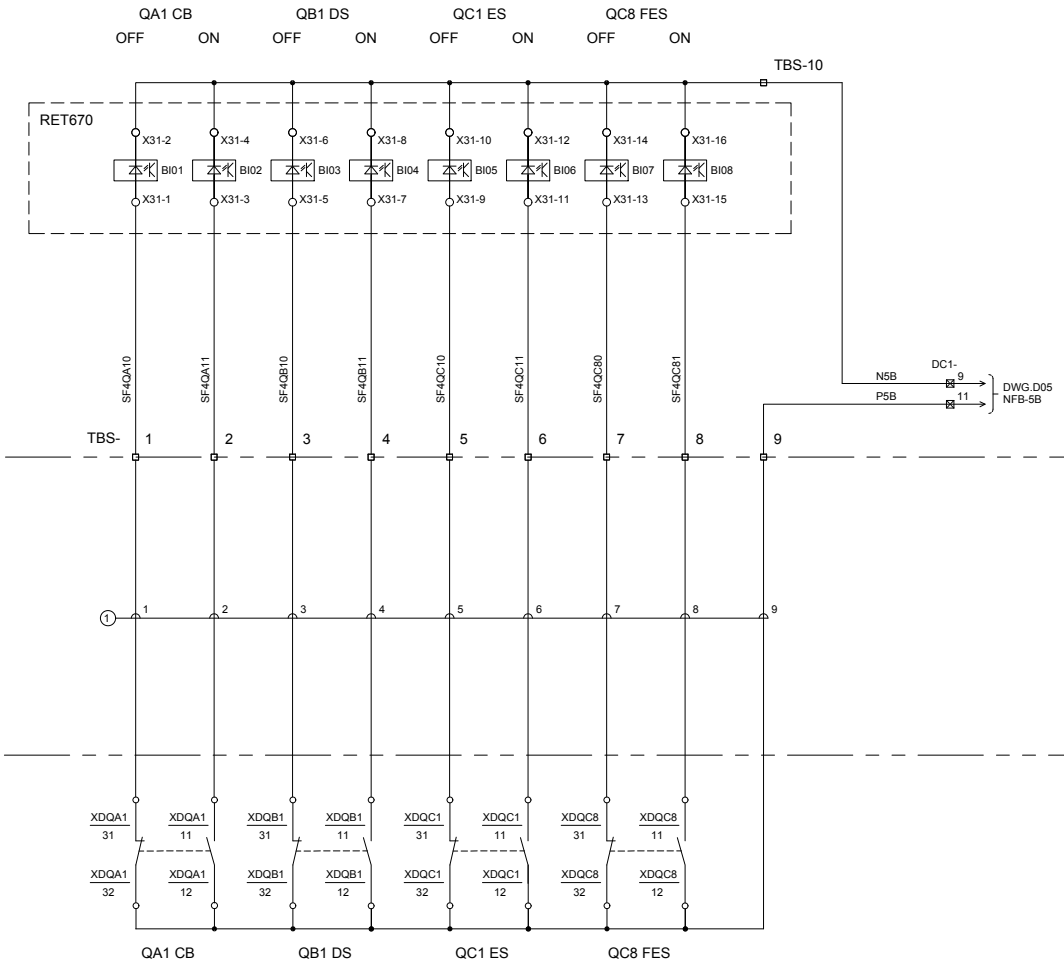


RCP F03/GIS Q04 (MTR-3)

For Approval	2021-10-08	D	Project VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title RCP F03 PROTECTION RELAY & 43 STATUS FOR RTU	Doc. des.	DWG. NO. VENA-K04C	
For Approval	2021-09-08	C		Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

RCP F04/GIS Q05 (MTR-4)

GIS Q05 CB & DS & ES ON-OFF STATUS CIRCUIT DIAGRAM FOR SCADA SYSTEM



161KV GIS Q05 CONTROL PANEL(1HDZ728875 801~804)

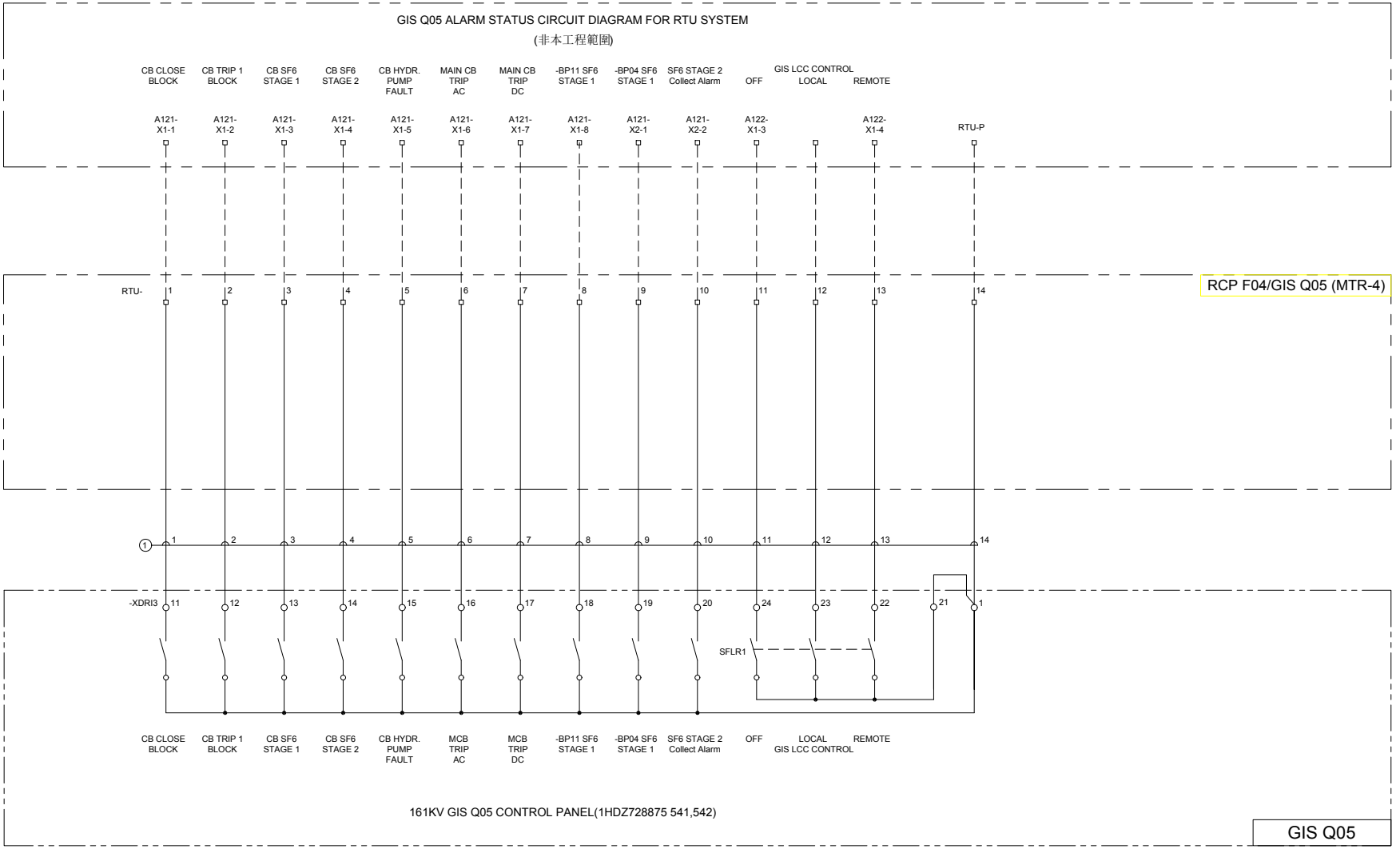
GIS-Q05

GIS Q05 LCC	RCP	2.0mm² X12/C	K05AQ05RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q05 CB & DS & ES ON-OFF STATUS FOR SCADA	Doc. des.	DWG. NO. VENA-K05A	
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西							Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces						

GIS Q05 ALARM STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM

(非本工程範圍)

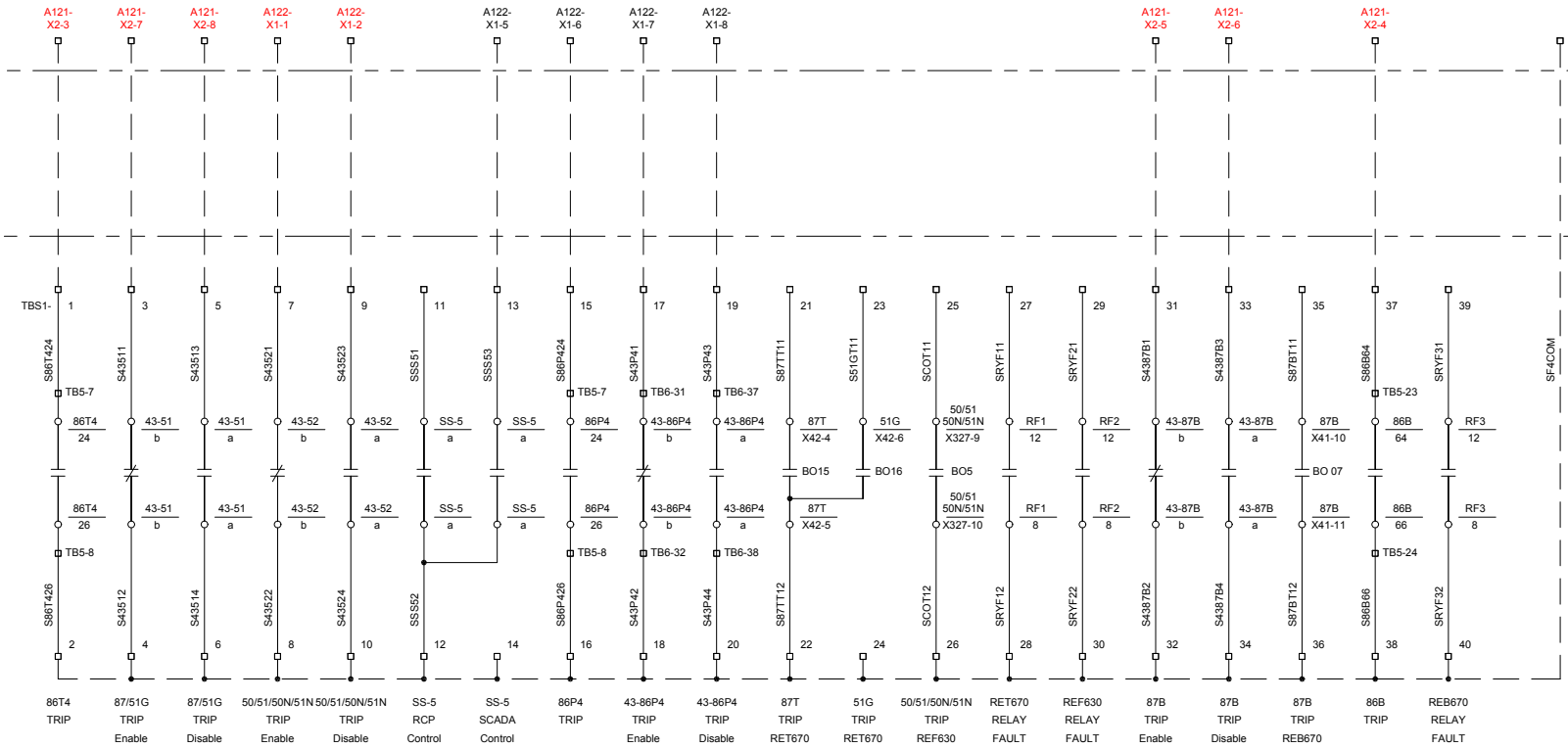


GIS Q05 LCC	RCP	2.0mm² X16/C	K05BQ05RCP-1	①	SHIELD
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title GIS Q05 ALARM STATUS FOR RTU
For Approval	2021-09-08	C					
For Approval	2021-09-06	B			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-08-17	A	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
Issued for	Date	Rev.	Derived fm	Replaces			

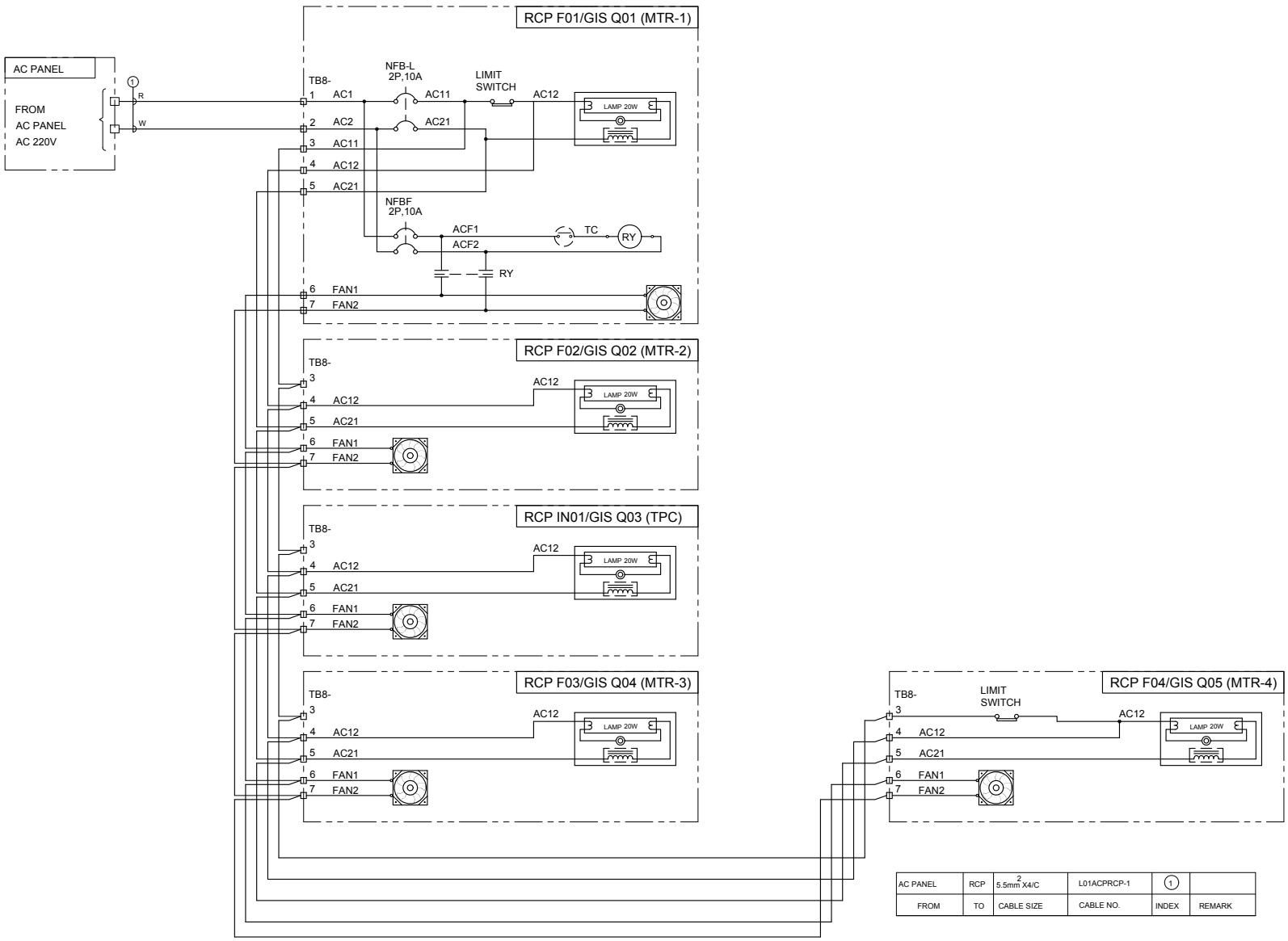
Doc. des.	DWG. NO. VENA-K05B		
Resp. dept.	Scale	Lang.	
Doc. No.		Sheet 1	
		Cont. ～	

RCP F04 PROTECTION RELAY & 43 STATUS CIRCUIT DIAGRAM FOR RTU SYSTEM
(非本工程範圍)



RCP F04/GIS Q05 (MTR-4)

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title RCP F04 PROTECTION RELAY & 43 STATUS FOR RTU	Doc. des.	DWG. NO. VENA-K05C
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Derived fm	Replaces					Cont. ～
Issued for	Date	Rev.							



AC PANEL	RCP	5.5mm² X4/C	L01ACPRCP-1	①	
FROM	TO	CABLE SIZE	CABLE NO.	INDEX	REMARK

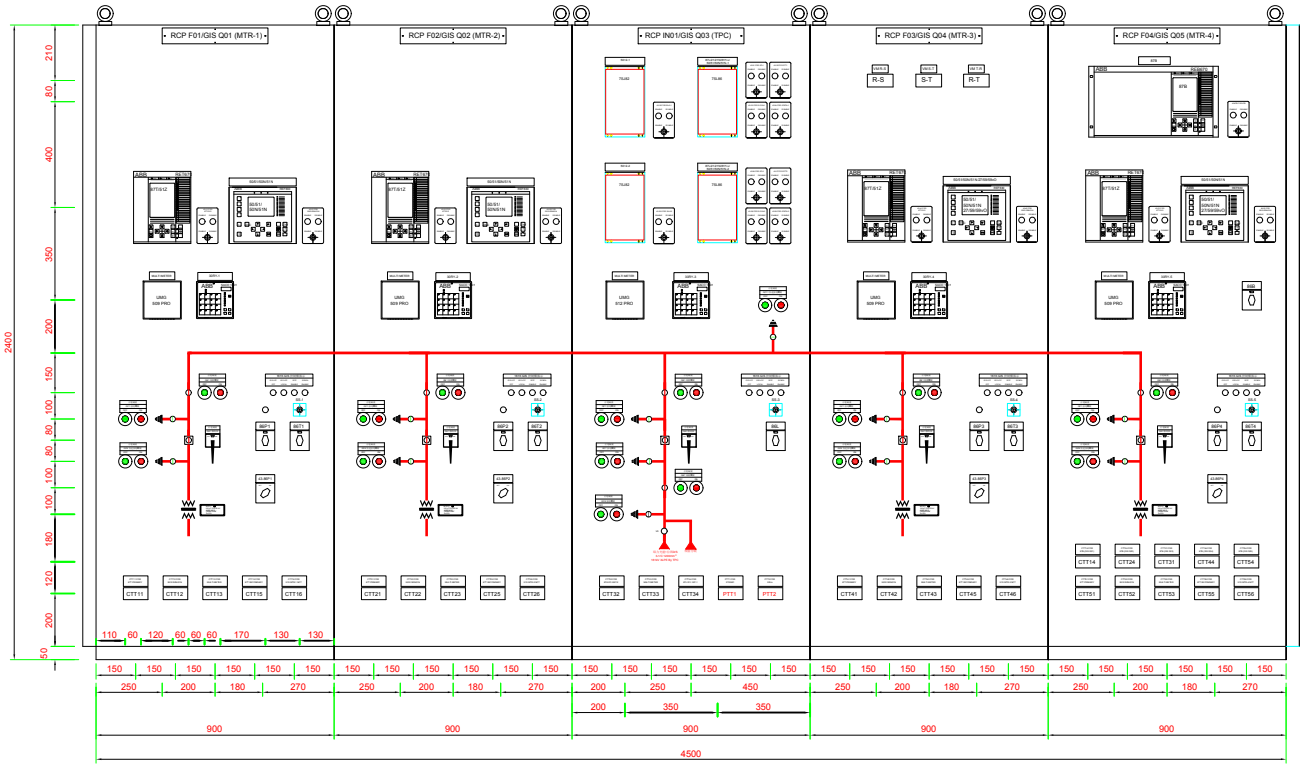
For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title LIGHTING WIRING DIAGRAM
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
Issued for	Date	Rev.	Derived fm	Replaces			

Doc. des.	DWG. NO. VENA-L01	
Resp. dept.	Scale	Lang.
Doc. No.		Sheet 1
		Cont. ～

RELAY CONTROL PANEL SPECIFICATION

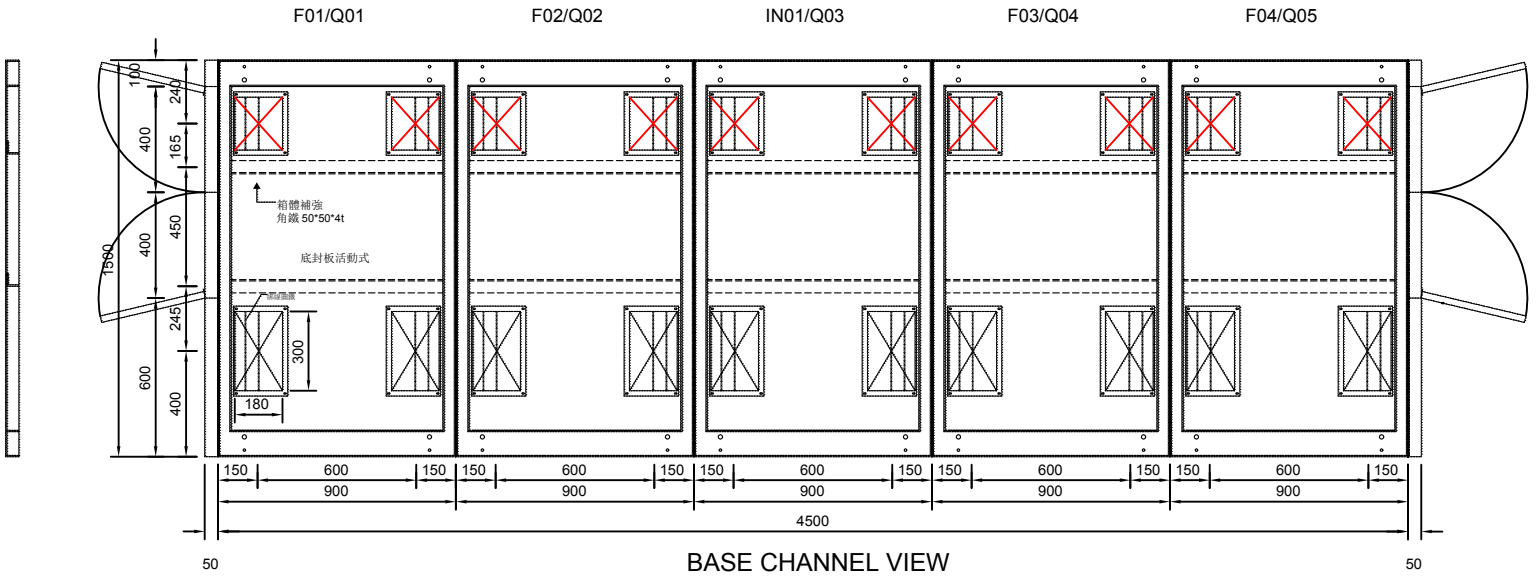
ITEM	EQUIPMENTS	DESCRIPTION	BRAND	TYPE	RCP F01	RCP F02	RCP IN01	RCP F03	RCP F04							SUB TOTAL
1	87L	LINE DIFFERENTIAL RELAY	Siemens	7SL86			2									2
2	67/67N	DIRECTIONAL OVER CURRENT RELAY														
3	50+2		Siemens	7SJ82			2									2
4	87B	BUS DIFFERENTIAL RELAY	ABB	REB670 19"*1					1							1
5	27/59/59Vo	UNDER/OVER/GROUND VOLTAGE RELAY	ABB	REF630	1	1		1	1							4
6	81H-L	FREQUENCY RELAY														
7	50/51/50N/51N	OVER CURRENT RELAY														
8	87T/51G	TR. DIFFERENTIAL RELAY	ABB	RET670	1	1		1	1							4
9	51G	TR. GROUND OVER CURRENT RELAY														
10	30RY	ANNUNCIATER 16CH	ABB	SACO 16D1-AA	1	1	1	1	1							5
11																
12	MULTI METER	V/A/KW/KVAR METER	Janitza	UMG512			1									1
13	MULTI METER	V/A/KW/KVAR METER	Janitza	UMG509	1	1		1	1							4
14	VM	VOLTAGE METER	HC	UMV				3								3
15	86T1~86T4,86P1~86P4,86L	LOCK OUT RY	E/S	LOR7805G	2	2	1	2	2							9
16	86B	LOCK OUT RY	E/S	LOR7810G					1							1
17																
18	43-86P		FUJI 不二	B-SB2001 (2B2A)	1	1		1	1							4
19	CB CONTROL SWITCH	PULL OPERATION (OFF - 0 - ON)	FUJI 不二	B-SB2001 (2B2A)	1	1	1	1	1							5
20	CURRENT TEST TERMINAL	500V DC/AC 10A	FUJI 不二	KTT-AW4B	5	5	2	7	7							38
21	VOLTAGE TEST TERMINAL	500V DC/AC 10A	FUJI 不二	KTT-VS4B			4									4
22	CUBICLE ILLUMINATION	LED AC100~240V 50/60HZ 10W	東亞	LTS21441XAA	1	1	1	1	1							6
23	R / G / W LAMP INDICATOR	22mm 110V DC LED	AB	800F-D0C	13	13	4	4	4							44
24	CB/DS/ES POSTTION INDICATOR	22mm 110V DC R/G LED	DOMO	TV22 DC130V	7	7	5	5	5							29
25	DS/ES ON-OFF PUSH BUTTON	22mm 2NO R/G	IDEC	ABW120+HW9Z-KL1	12	12	8	8	8							48
26	MCCB	1P 2A	ABB	S201-C2			1									1
27	MCCB	2P 4A,6A,10A	ABB	S202-C4,C6,C10	3	2	2	2	2							13
28	MCCB	3P 2A	ABB	S203-C2			1									1
29	KEY SELECT SWITCH	22mm 2NO+2NC	IDEC	ASW2K-22	4	4										11
30	KEY SELECT SWITCH	22mm 4NO+4NC	K&N	CA10 A723	1	1	1	1	1							5
31	TERMINNAL BLOCK	600V AC/DC 40A (CT/VT)	IDEC	BNH-30W												
32	TERMINNAL BLOCK	600V AC/DC 21A	IDEC	BNH-15LW												
33	AUX RELAY	DC125V 4a/4b	OMRON	MY4N	5	4	4	4	4							25
34																
35	Cubicle cover sheets colour (outside/inside)	RAL7035 THICKNESS: 60μ	LOCAL		1	1	1	1	1							5
36	Wire colour, Conductor cross section CT	Block, 10AWG(5.26mm²) 600V 105℃	PEWC													
37	Wire colour, Conductor cross section PT	Red, 12AWG(3.31mm²) 600V 105℃	PEWC													
38	Wire colour, Conductor cross section AC	Yellow, 14AWG(2.08mm²) 600V 105℃	PEWC													
39	Wire colour, Conductor cross section DC P	Blue, 14AWG(2.08mm²) 600V 105℃	PEWC													
40	Wire colour, Conductor cross section DC N	Blue, 14AWG(2.08mm²) 600V 105℃	PEWC													
41	Wire colour, Conductor cross section Earthing	Green, 14AWG(2.08mm²) 600V 105 C	PEWC													
42																
43																
44																
45																

For Approval	2021-10-08	D	Project VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title MATERIAL LIST	Doc. des.	DWG. NO. VENA-M01
For Approval	2021-09-08	C						
For Approval	2021-09-06	B		Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-08-17	A	Customer 韋能台西	Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1 / Cont. ～
Issued for	Date	Rev.	Derived fm / Replaces					

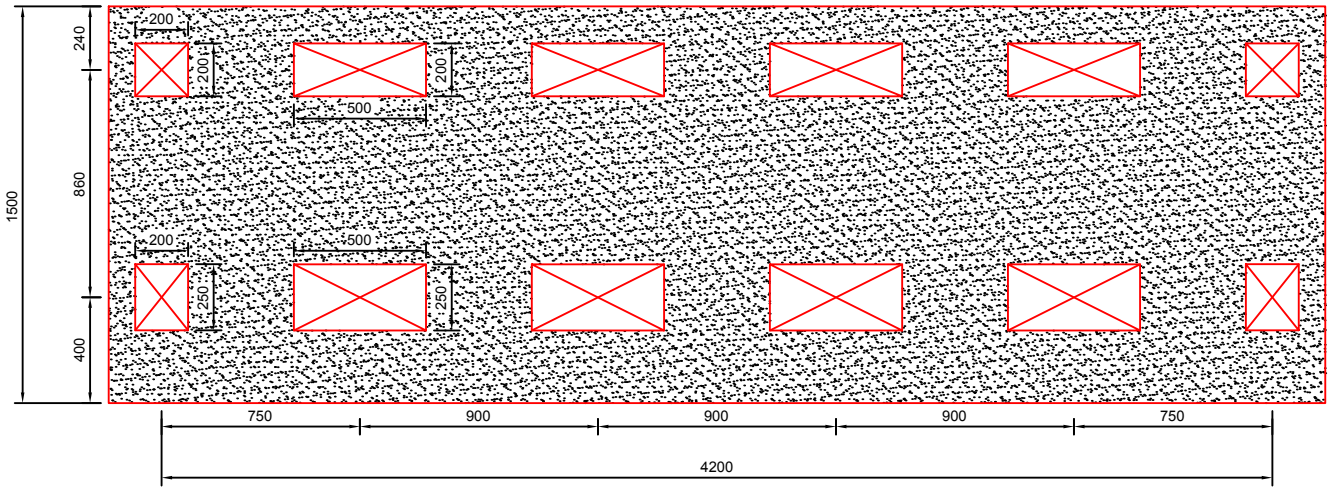


FRONT VIEW

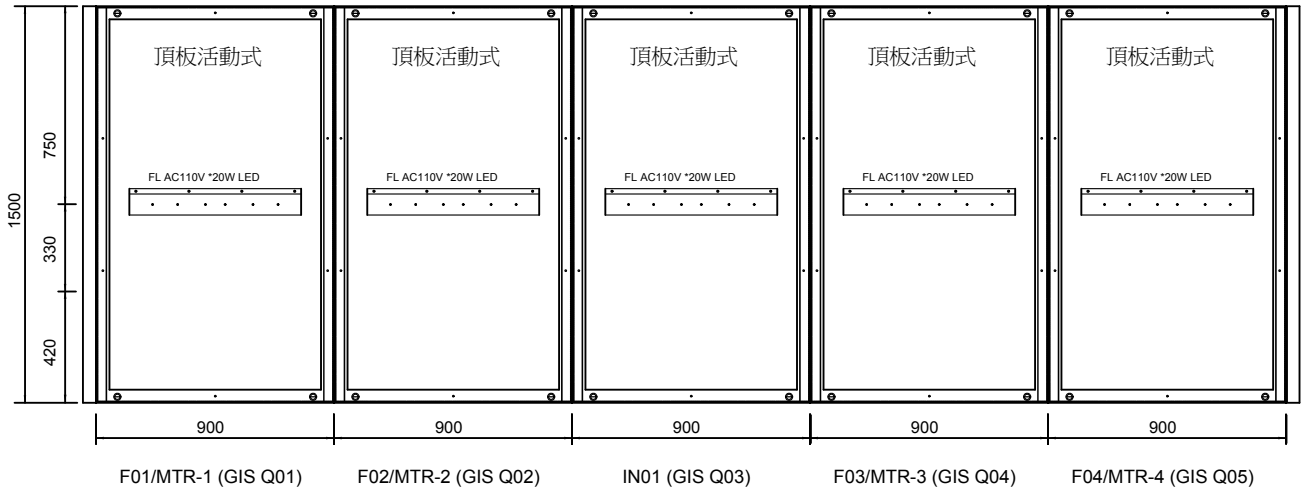
For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	161KV CONTROL PANEL FRONT VIEW	Doc. des.	DWG. NO. VENA- P01
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18		台灣日立電網股份有限公司	Doc. No.	Sheet 1 Cont. ～
For Approval	2021-08-17	A	Customer 韋能台西							
Issued for	Date	Rev.	Derived fm	Replaces						



BASE CHANNEL VIEW

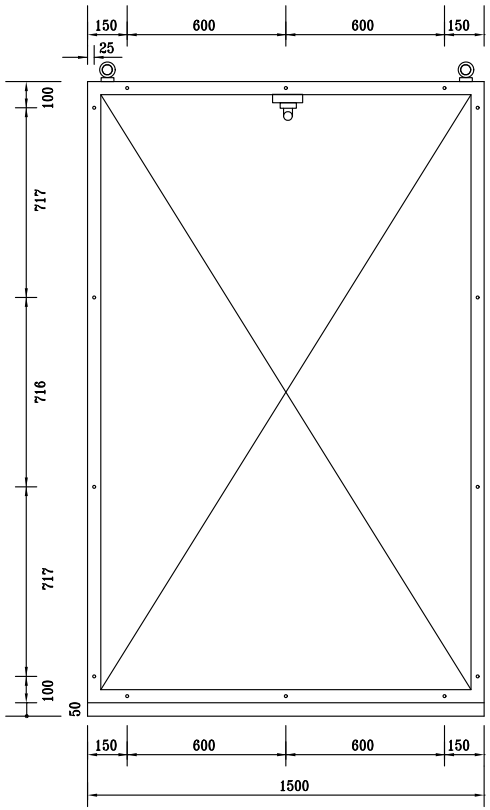


For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	161KV CONTROL PANEL BASE CHANNEL VIEW	Doc. des.	DWG. NO. VENA- P02
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18		台灣日立電網股份有限公司	Doc. No.	Sheet 1 Cont. ～
For Approval	2021-08-17	A	Customer 韋能台西							
Issued for	Date	Rev.	Derived fm	Replaces						



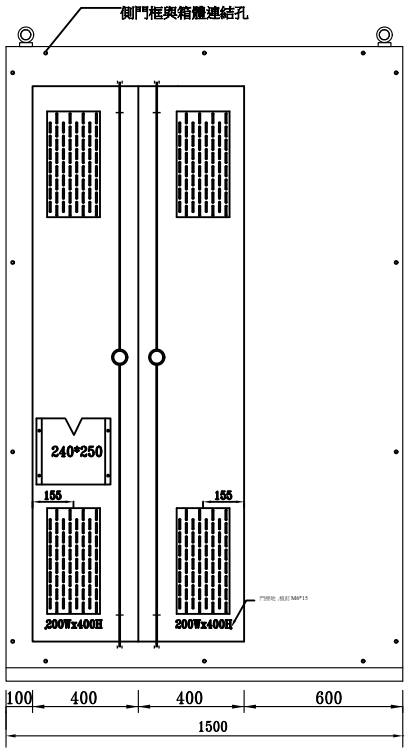
TOP CHANNEL VIEW

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title 161KV CONTROL PANEL TOP CHANNEL VIEW	Doc. des.	DWG. NO. VENA- P03
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					



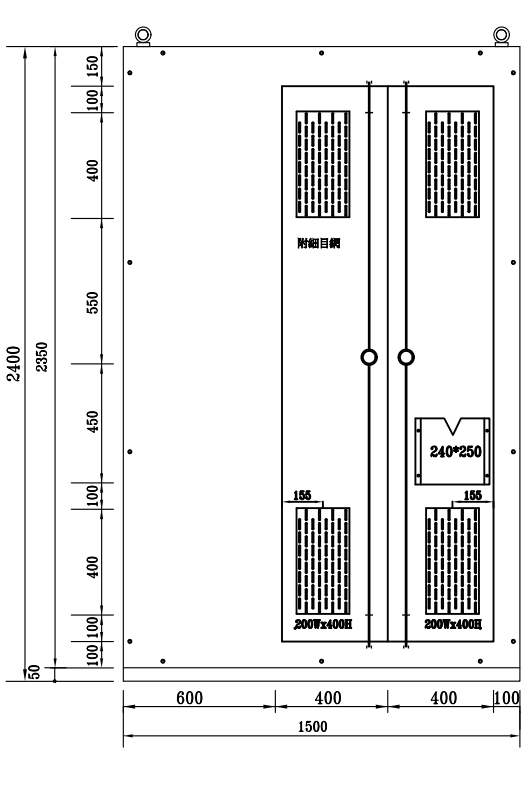
盤連結孔

FRONT



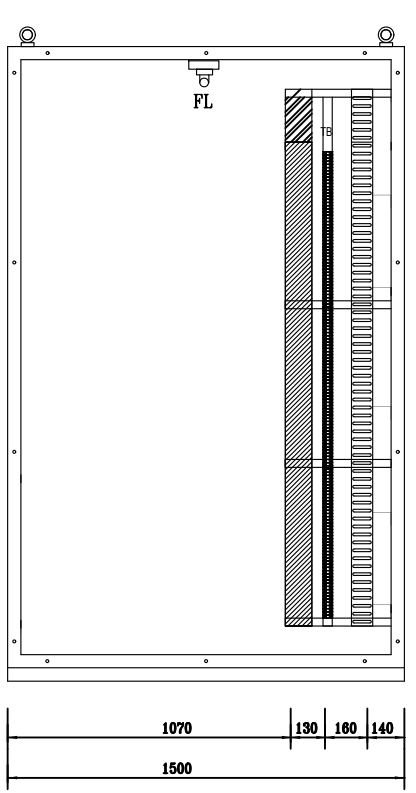
LEFT SIDE VIEW

FRONT



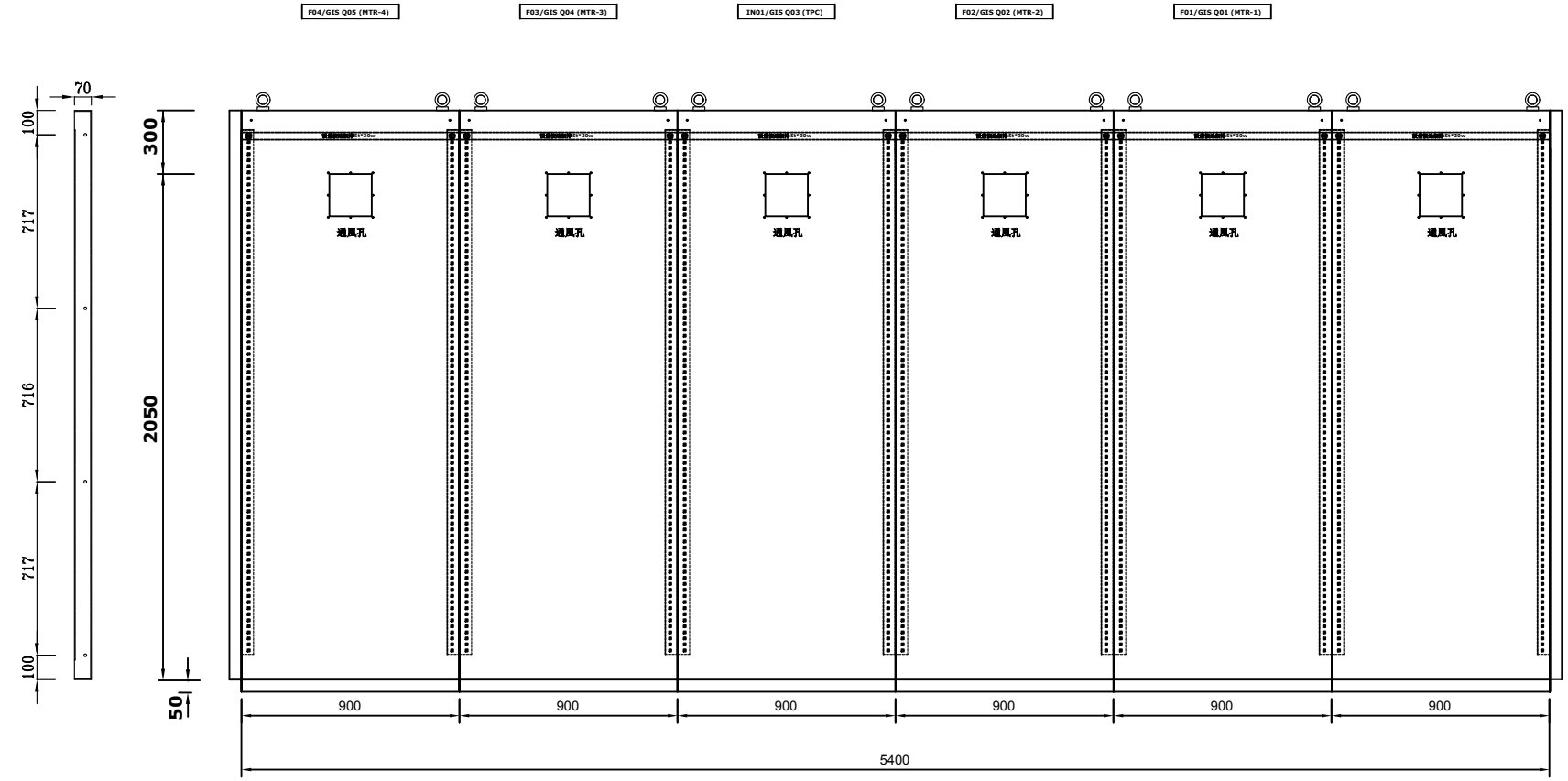
RIGHT SIDE VIEW

FRONT



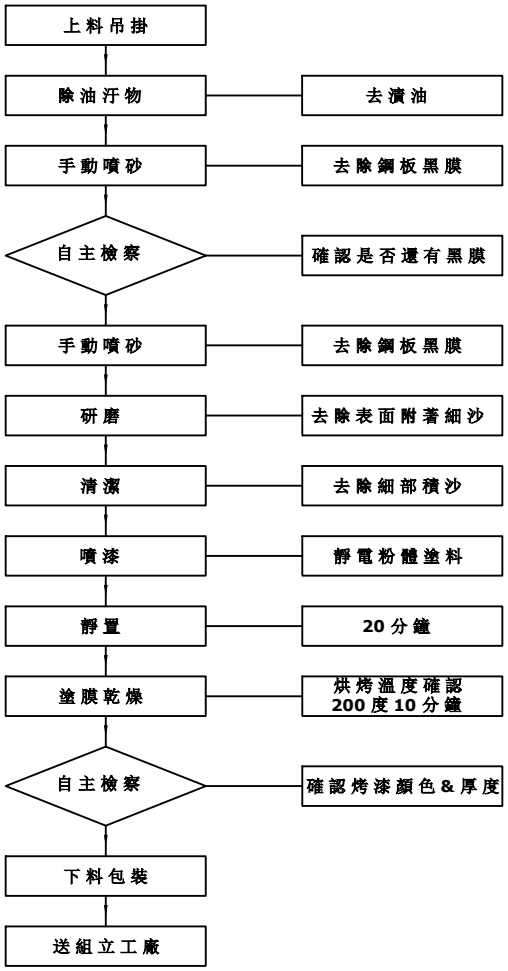
RIGHT&LEFT INSIDE VIEW

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title **161KV CONRTOL PANEL SIDE VIEW**	Doc. des.	DWG. NO. VENA- P04
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	Doc. des.	DWG. NO. VENA- P05
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	161KV CONTROL PANEL REAR VIEW	Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

配電盤塗裝流程



For Approval	2021-10-08	D	Project VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title 電驛及控制盤製裝規範(一)	Doc. des.	DWG. NO. VENA-Q01	
For Approval	2021-09-08	C		Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale	Lang.
For Approval	2021-09-06	B		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.		Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西						Cont. ～
Issued for	Date	Rev.	Derived fm / Replaces						

線徑及顏色(僅盤內部份)			
種　類		線 徑	線 色
		標 準	標 準
CT二次側回路		10AWG	黑 色
PT二次側回路		12AWG	紅 色
交流控制回路		14AWG	黃 色
直流控制回路		14AWG	藍 色
接地線	CT PT二次側	10AWG	綠 色
	儀表設備	14AWG	綠 色

☒ 模擬母線顏色	
電 壓	顏 色
345KV	橙 色
161KV	紅 色
69KV	藍 色
34.5KV	棕 色
22KV	粉紅色
11KV	白 色
接 地	黃底黑線條

相序/極性排列			
種 類		標 準	其 他
交流	由左至右	R-S-T-N	
	由上至下	R-S-T-N	
	由前至後	R-S-T-N	
直流	由左至右	P-N	
	由上至下	P-N	
	由前至後	P-N	

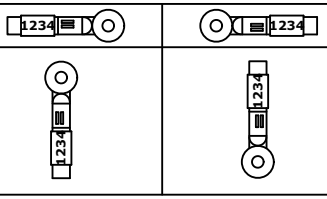
終 端 處 理 方 式	
CT PT二次側回路	絕緣端子
控制線路	絕緣端子

電線種類	PVC絞線

控制及操作電壓	
斷路器控制電路	☒ DC 125V
加熱器及日光燈及散熱風扇	☒ AC 220V

端 子 型 式		
CT二次側回路	☒	☒
PT二次側回路	☒	☒
控制回路	☒	☒

線號排列方向



☒ 記號表示被選擇使用項目

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title 電驛及控制盤製裝規範(二)	Doc. des.	DWG. NO. VENA-Q02
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B							
For Approval	2021-08-17	A	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
Issued for	Date	Rev.	Derived fm	Replaces					Cont. ～

使 用 環 境		盤 體 完 成 後 塗 裝		
周圍溫度範圍	屋外	塗裝處理依塗裝工程規範書		
	屋內-5°C~40°C	表面顏色	☐	台灣油漆公會 NO.
相對濕度	最高90%		☒	RAL7035 垂紋漆 國邦790-49780H
高度	海拔1000公尺以下	內部顏色	☐	台灣油漆公會 NO.
安裝地點	☒ 屋內 ☐ 屋外		☒	RAL7035 垂紋漆 國邦790-49780H
電纜進出方式	☒ 底部 ☐ 頂部	塗料材質	☒	環氧/聚脂/填充料/色料/添加劑
盤 體 構 造		盤 體 材 質		
前面	☐ 門 ☒ 板式	前板/後門板	☒	鋼板 (SPHC) 3.2mm
後面	☒ 門 ☐ 背板	側板	☒	鋼板 (SPHC) 2.3mm
側面	☐ 側板 ☐ 側門 ☒ 板式	底板	☒	鋼板 (SPHC) 2.3mm
底部	☒ 底板 ☐ 放空	頂板	☒	鋼板 (SPHC) 2.3mm
頂部	☒ 頂板 ☐ 屋頂	主骨架	☒	角鋼 (ss41) L50*50*5t
保護構造	☒ 一般型 ☐ 防塵型 ☐防滴型	基礎座	☒	槽鋼 100*50*5t 及角鐵50*50*5t 焊接組立
兩側開雙開門,開門處加PACKING		銘牌	☒	壓克力，白底黑字
		盤 體 重 量		
		單一盤體重量		約500kg

☒ 記號表示被選擇使用項目

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title 電驛及控制盤製裝規範(三)	Doc. des.	DWG. NO. VENA-Q03
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1
For Approval	2021-08-17	A	Derived fm	Replaces					Cont. ～
Issued for	Date	Rev.							

D	For Approval	2021-10-08
C	For Approval	2021-09-08
B	For Approval	2021-09-06
A	For Approval	2021-08-17
Rev.	Issued for	Date

Project: VENA ENERGY
161KV GIS S/S PROJECT
Customer: 臺能台西
Derived fm:
Replaces:

Approved by	Jeff Lu	
Checked by	Jeff Lu	Date 2021-06-18
Prepared by	Chuan Hua	Date 2021-06-18

Title: TERMINAL BLOCK DIAGRAM
FOR RCP F01 (1)
台灣日立電網股份有限公司

Doc. No.:
Doc. des.:
Resp. dept.:
Scale:
DWG. NO. VENA- T01A
Lang.:
Sheet 1
Cont. ~

外部設備			電纜編號&規格	RCP F01		
盤名	圖號&說明	端子板編號		右側端子板編號		圖號&說明
				TB6		
86P1 TRIP COIL1	DWG.G01A	F1T11	F01-F01	1	86P112	DWG.G01B FOR 86P1
		TB6-27		2	86P118	
86P1 TRIP COIL2		F1T21		3	86P114	
		TB6-29		4	86P116	
30RY-1 ALARM	DWG.H01	1ACOM		5	86P122	
		1A54		6	86P128	
RTU	DWG.K01C	TBSI-15		7	86P124	
		TBSI-16		8	86P126	
				9	86P132	
				10	86P138	
36KV MP1		-XC30/305A	**G01BMVPRCP-1	11	86P134	
				12	86P136	
				13		
				14		
				15		
				16		
CB QA1 ON	DWG.G01A	TB5-18	F01-F01	17	86P111	
		TB4-6		18	86P113	
36KV MP1		-XC30/351D	**G01BMVPRCP-1	19	86P115	
				20	86P117	
				21	86P121	
				22	86P123	
				23	86P125	
				24	86P127	
86P1 TRIP TRIP COIL			F01-F01	25	86P1G	
				26	86P1B	
86P1 TRIP COIL1	DWG.G01A	TB6-2		27	43P101	
		F1T12		28	43P102	
86P1 TRIP COIL2	DWG.G01A	TB6-4		29	43P103	
		F1T22		30	43P104	
RTU	DWG.K01C	TBSI-19		31	43P105	
		TBSI-20		32	43P106	
				33	43P107	
36KV MP1		-XC30/358A	**G01BMVPRCP-1	34	43P108	
				35	43P109	
				36	43P110	
RTU	DWG.K01C	TBSI-17	F01-F01	37	43P111	
		TBSI-18		38	43P112	
				39		
				40		
				TB5		
86T1 TRIP COIL1	DWG.G01A	F1T11	F01-F01	1	86T112	DWG.G01B FOR 86T1
		F1T12		2	86T118	
86T1 TRIP COIL2		F1T21		3	86T114	
		F1T22		4	86T116	
30RY-1 ALARM	DWG.H01	1ACOM		5	86T122	
		1A53		6	86T128	
RTU	DWG.K01C	TBSI-1		7	86T124	
		TBSI-2		8	86T126	
				9	86T132	
				10	86T138	
				11	86T134	
				12	86T136	
				13	86T142	
				14	86T148	
		TB6-11		15	86T144	
				16	86T146	
CB QA1 ON INTL.	DWG.G01A	CS/C	F01-F01	17	86T111	
		TB6-17		18	86T113	
		TB6-20	**G01BMVPRCP-1	19	86T115	
36KV MP1		-XC30/352A	2.0mmX6C	20	86T117	
				21	86T121	
				22	86T123	
				23	86T125	
				24	86T127	
86T1 TRIP COIL			F01-F01	25	86T1G	
				26	86T1B	
				27		
				28		
				29		
				30		
				TB4		
RCP F04	DWG.GBP	86B-29	F04-F01	1	F1CB1D	DWG.G01A FOR CB/INTL. TRIP
		86B-30		2	F1CB1E	
				3	F1CB1E	
				4	F1CB1F	
				5	F1CB1C	
				6	F1CB1B	
RCP F04	DWG.GBP	86B-1	F04-F01	7	F1T11	
		86B-2		8	F1T12	
		86B-3	F04-F01	9	F1T21	
		86B-4		10	F1T22	
RCP F01	DWG.G01B	F1T11	F01-F01	11	87T11	
		F1T12		12	87T12	
		F1T11		13	COT11	
		F1T12		14	COT12	
		F1T21		15	87T21	
		F1T22		16	87T22	
		F1T21		17	COT21	
		F1T22		18	COT22	
GIS Q01 LCC	1HDZ728871 801	XDQA1-1,21	G01BQ01RCP-1 2.0mmX6C GIS Q01-F01	19	P1A	
		XDQA1-2		20	F152a	
		XDQA1-22		21	F152b	
MTR-1	A02 B02	A03,A04,A08 B03,B04,B08	G01BTRPRCP-1 2.0mmX6C	22	P1A	
				23	F1TRT	
				24		
				25		
				26		
				27		
				28		
				29		
				30		
				TB3		
GIS Q01 LCC	1HDZ728871 151,153,211,212,213	XDRI1-1	G01AQ01RCP-1 2.0mmX6C GIS Q01-F01	1	F1P2	DWG.G01A FOR CB/INTL. TRIP
		XDRI1-3		2	F1CB1	
		XDRI1-4		3	F1CB1F	
		XDRI1-2		4	F1CB0	
		XDPI1-1	G01AQ01RCP-2 2.0mmX12C GIS Q01-F01	5	F1T11	
		XDPI1-3		6	F1T12	
		XDPI1-4		7	F1TCS1	
		XDPI1-11		8	F1T21	
		XDPI1-13		9	F1T22	
		XDPI1-16		10	F1TCS2	
RET670 D/O		X41-2	F01-F01	11	F1R2	
		X41-1		12	F1CB1	
		X41-3		13	F1CB0	
				14		
				15		
				16	F1P2	
				17	F1CB0	
				18	F1CB1	
				19		
				20		
				TB1		
GIS Q01 LCC	1HDZ728871 702 BC1 CORE2	XDCT12-1	D01Q01RCP-1 5.5mmX4C GIS Q01-F01	1	11C11	DWG.D01 CTT11 87T P RET670
		XDCT12-3		2	11C21	
		XDCT12-5		3	11C31	
		XDCT12-7		4	11CN1	
	1HDZ728871 701 BC1 CORE2	XDCT11-1	D01Q01RCP-2 5.5mmX4C GIS Q01-F01	5	12C11	DWG.D01 CTT12 50/51/50N/51N REF630
		XDCT11-3		6	12C21	
		XDCT11-5		7	12C31	
		XDCT11-7		8	12CN1	
	1HDZ728871 703 BC2 CORE1	XDCTM1-8	D01Q01RCP-3 5.5mmX4C GIS Q01-F01	9	13C11	DWG.D01 CTT13 MULTI METER
		XDCTM1-10		10	13C21	
		XDCTM1-12		11	13C31	
		XDCTM1-14		12	13CN1	
MTR-1 BCT		TB8/1X2(X1)	D01BCTRCP-1 5.5mmX4C BCT-F01	13	15C11	DWG.D01 CTT15 87T S RET670
		TB8/1X2(X2)		14	15C21	
		TB8/1X2(X3)		15	15C31	
		TB8/1X1,X2,X3		16	15CN1	
MTR-1 NCT		TB8/1X2(X0)	D01NCTRCP-1 5.5mmX4C NGR-F01	17	16C11	DWG.D01 CTT16 51G RET670
		TB8/1X1(X0)		18	16CN1	
				19		
				20		

RCP F01			電纜編號&規格	外部設備		
圖號&說明	右側端子板編號			端子板編號	圖號&說明	盤名
		RTU				
DWG.K01B FOR RTU		1	K01BQ01RCP-1 2.0mmX16C RTU-GIS Q01	XDRI3-11	1HDZ728871 541,542	GIS Q01 LCC
		2		XDRI3-12		
		3		XDRI3-13		
		4		XDRI3-14		
		5		XDRI3-15		
		6		XDRI3-16		
		7		XDRI3-17		
		8		XDRI3-18		
		9		XDRI3-19		
		10		XDRI3-20		
		11		XDRI3-24		
		12		XDRI3-23		
		13		XDRI3-22		
		14		XDRI3-121		
		15				
		TB5				
DWG.K01A FOR RET670	SFIQA10	1	K01AQ01RCP-1 2.0mmX12C F01-GIS Q01	XDQA1-31	XDQA1-32	GIS Q01 LCC
	SFIQA11	2		XDQA1-11	XDQA1-12	
	SFIQB10	3		XDQB1-31	XDQB1-32	
	SFIQB11	4		XDQB1-11	XDQB1-12	
	SFIQC10	5		XDQC1-31	XDQC1-32	
	SFIQC11	6		XDQC1-11	XDQC1-12	
	SFIQC80	7		XDQC8-31	XDQC8-32	
	SFIQC81	8		XDQC8-11		
	P1B	9		XDQC8-12	XDQC8-12	
	N1B	10				
		TBA				
DWG.H01 FOR 30RY-1	1ACOM	1				
	1ACOM	2				
	1ACOM	3				
	1ACOM	4				
	1ACOM	5				
	1ACOM	6				
	1A52	7				
	1A55	8				
	1A56	9				
	1A63	10				
	1A64	11				
	1A65	12				
	1A66	13				
	1A67	14				
	PA1	15		RET670/X11		RCP F01
	PA1	16		REF630/X329		
	PA1	17	H01Q01RCP-1 2.0mmX4C	XDRI3-1	1HDZ728871 541~542	GIS Q01 COLLECT
	1ARF3	18		XDRI3-11~26		
		19				
		20				
		TB10				
DWG.F01 GIS Q01 CB/DS/ES ON-OFF IND.	F1QA1G	1	F01Q01RCP-1 2.0mmX16C F01-GIS Q01	XDRI2-15	1HDZ728871 503,504	GIS Q01 LCC
	F1QA1R	2		XDRI2-16		
	F1QB1G	3		XDRI2-17		
	F1QB1R	4		XDRI2-18		
	F1QC1G	5		XDRI2-19		
	F1QC1R	6		XDRI2-20		
	F1QC8G	7		XDRI2-21		
	F1QC8R	8		XDRI2-22		
	F1OFF	9		XDRI2-13		
	F1GIS	10		XDRI2-12		
	F1RCP	11		XDRI2-11		
	P1B	12		XDRI2-1		
		13				
		14				
		15				
		TB9				
DWG.E01 GIS Q01 DS/ES CLOSE-OPEN CONTROL	F1P1	1	E01Q01RCP-1 2.0mmX12C F01-GIS Q01	XDRI1-1	1HDZ728871 221,224	GIS Q01 LCC
	F1N1	2		XDRI1-5		
	F1QB10P	3		XDRI1-11		
	F1QB10N	4		XDRI1-12		
	F1QB11P	5		XDRI1-13		
	F1QB11N	6		XDRI1-14		
	F1QC10P	7		XDRI1-15		
	F1QC10N	8		XDRI1-16		
	F1QC11P	9		XDRI1-17		
	F1QC11N	10		XDRI1-18		
	F1QC80P	11		XDRI1-21		
	F1QC80N	12		XDRI1-22		
	F1QC81P	13	E01Q01RCP-2 2.0mmX12C F01-GIS Q01	XDRI1-23		
	F1QC81N	14		XDRI1-24		
	F1R1	15				
		16				
		17				
		18				
		19				
	QC81NTL1	20		XDINT1-6		
	QC81NTL2	21		XDINT1-7		
	DSINTL1	22		XDQC8-23		
	DSINTL2	23		XDQC8-24		
	DSINTL1	24	E01MVPRCP-1 2.0mmX12C 36KV MP1	XXXX-XX		36KV MP1
	DSINTL2	25		XXXX-XX		
	QC81NTL1	26		XXXX-XX		
	QC81NTL2	27		XXXX-XX		
		28				
		29				
		30				
		TB8				
DWG.L01 RCP FAN & FL	AC1	1	L01ACPRCP-1 5.5mmX4C F01-F02		DWG.L01	AC PANEL
	AC2	2				
	ACI1	3		TB8-3	DWG.L01	RCP F02
	AC12	4		TB8-4		
	AC21	5		TB8-5		
	FAN1	6		TB8-6		
	FAN2	7		TB8-7		
		8				
		9				
DWG.H01 30RY-1	PA1	10	F01-F02	TB8-10	DWG.H01	RCP F02
	NA1	11		TB8-11		
	BZ	12		TB8-12		
	PA	13	C02DCPRCP-2 5.5mmX4C		DWG.C02	DC PANEL
	NA	14				
		15				
		PT				
DWG.D01 MULTI METER	1P13	1	F01-F02	PT-1	DWG.D02	RCP F02
	1P23	2		PT-2		
	1P33	3		PT-3		
	1PN2	4		PT-4		
		5				
		6				
		DC				
DWG.C02 RCP F01 DC SOURCE	P	1	C02DCPRCP-1 5.5mmX4C F01-F02		DWG.C02	DC PANEL
	N	2				
	P	3		DC-1	DWG.C02	RCP F01
	N	4		DC-2		

RCP F01

外部跳線 端子座編號	電纜編號/規格	左側端子座編號	圖號&說明
		TBS1	
		1	S86T124
		2	S86T126
		3	S43I11
		4	S43I12
		5	S43I13
		6	S43I14
		7	S43I21
		8	S32I22
		9	S43I23
		10	S43I24
		11	SSS02
		12	SSS01
		13	SSS03
		14	
		15	S86P124
		16	S86P126
		17	S43P11
		18	S43P12
		19	S43P13
		20	S43P14
		21	S87T1T11
		22	S87T1T12
		23	S61GT111
		24	
		25	SCOT11
		26	SCOT12
		27	S8RYF11
		28	S8RYF12
		29	S8RYF21
		30	S8RYF22

簽名	圖號&說明	端子座編號	圖號&說明
			DWG.K01C FOR TBS1

For Approval	2021-10-08	D	Project	VENA ENERGY	Approved by Jeff Lu	Date 2021-06-18	Title	TERMINAL BLOCK DIAGRAM FOR RCP F01 (2)	Doc. des.	DWG. NO. VENA- T01B
For Approval	2021-09-08	C		161KV GIS S/S PROJECT	Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司		Doc. No.	Sheet 1
For Approval	2021-08-17	A								Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces						

Rev.	Derived fm	Date
D	For Approval	2021-10-08
C	For Approval	2021-09-08
B	For Approval	2021-09-06
A	For Approval	2021-08-17
	Issued for	

Project: VENA ENERGY
161KV GIS S/S PROJECT
Customer: 臺能台西
Replaces:

	Approved by	Date
	Jeff Lu	2021-06-18
Prepared by	Checked by	Date
Chuan Hua	Jeff Lu	2021-06-18

Title: TERMINAL BLOCK DIAGRAM
FOR RCP F02 (1)
台灣日立電網股份有限公司

Doc. No.: DWG. NO. VENA- T02A
Resp. dept.: Doc. des.
Scale:
Lang.:
Sheet: 1
Cont. ~

外部設備			電纜編號&規格	RCP F02		
盤名	圖號&說明	端子板編號		右側端子板編號		圖號&說明
				TB6		
86P2 TRIP COIL1	DWG.G02A	F2T11	F02-F02	1	86P212	DWG.G02B FOR 86P2
		TB6-27		2	86P218	
86P2 TRIP COIL2		F2T21		3	86P214	
		TB6-29		4	86P216	
30RY-2 ALARM	DWG.H02	2ACOM		5	86P222	
		2A54		6	86P228	
RTU	DWG.K02C	TBSI-15		7	86P224	
		TBSI-16		8	86P226	
				9	86P232	
				10	86P238	
36KV MP2		-XC30/305A	**G02BMVPRCP-1	11	86P234	
				12	86P236	
				13		
				14		
				15		
				16		
CB QA1 ON	DWG.G02A	TB5-18	F02-F02	17	86P211	
		TB4-6		18	86P213	
36KV MP2		-XC30/351D	**G02BMVPRCP-1	19	86P215	
				20	86P217	
				21	86P221	
				22	86P223	
				23	86P225	
				24	86P227	
86P2 TRIP COIL			F02-F02	25	86P2G	
				26	86P2B	
86P2 TRIP COIL1	DWG.G02A	TB6-2		27	43P201	
		F2T12		28	43P202	
86P2 TRIP COIL2	DWG.G02A	TB6-4		29	43P203	
		F2T22		30	43P204	
RTU	DWG.K02C	TBSI-19		31	43P205	
		TBSI-20		32	43P206	
				33	43P207	
36KV MP2		-XC30/358A	**G02BMVPRCP-1	34	43P208	
				35	43P209	
				36	43P210	
RTU	DWG.K02C	TBSI-17	F02-F02	37	43P211	
		TBSI-18		38	43P212	
				39		
				40		
				TB5		
86T2 TRIP COIL1	DWG.G02A	F2T11	F02-F02	1	86T212	DWG.G02B FOR 86T2
		F2T12		2	86T218	
86T2 TRIP COIL2		F2T21		3	86T214	
		F2T22		4	86T216	
30RY-2 ALARM	DWG.H02	2ACOM		5	86T222	
		2A53		6	86T228	
RTU	DWG.K02C	TBSI-1		7	86T224	
		TBSI-2		8	86T226	
				9	86T232	
				10	86T238	
				11	86T234	
				12	86T236	
				13	86T242	
				14	86T248	
		TB6-11		15	86T244	
				16	86T246	
CB QA1 ON INTL.	DWG.G02A	CS/C	F02-F02	17	86T211	
		TB6-17		18	86T213	
		TB6-20	**G02BMVPRCP-1 2.0mmX6C	19	86T215	
36KV MP2		-XC30/352A		20	86T217	
				21	86T221	
				22	86T223	
				23	86T225	
				24	86T227	
86T2 TRIP COIL			F02-F02	25	86T2G	
				26	86T2B	
				27		
				28		
				29		
				30		
				TB4		
RCP F04	DWG.GBP	86B-31	F04-F02	1	F2CB1D	DWG.G02A FOR CB/INTL. TRIP
		86B-32		2	F2CB1E	
				3 ●	F2CB1E	
				4 ●	F2CB1F	
				5 ●	F2CB1C	
				6 ●	F2CB1B	
RCP F04	DWG.GBP	86B-5	F04-F02	7	F2T11	
		86B-6		8	F2T12	
		86B-7	F04-F02	9	F2T21	
		86B-8		10	F2T22	
RCP F02	DWG.G02B	F2T11	F02-F02	11	87T11	
		F2T12		12	87T12	
		F2T11		13	COT11	
		F2T12		14	COT12	
		F2T21		15	87T21	
		F2T22		16	87T22	
		F2T21		17	COT21	
		F2T22		18	COT22	
GIS Q02 LCC	1HDZ728872 801	XDQA1-1,21	G02BQ02RCP-1 2.0mmX6C GIS Q02-F02	19	P2A	
		XDQA1-2		20	F252a	
		XDQA1-22		21	F252b	
MTR-2	A02	A03, A04, A08	G02BTRPRCP-1 2.0mmX6C	22	P2A	
	B02	B03, B04, B08		23	F2TRT	
				24		
				25		
				26		
				27		
				28		
				29		
				30		
				TB3		
GIS Q02 LCC	1HDZ728872 151,153,211,212,213	XDRI1-1	G02AQ02RCP-1 2.0mmX6C GIS Q02-F02	1	F2P2	DWG.G02A FOR CB/INTL. TRIP
		XDRI1-3		2	F2CB1	
		XDRI1-4		3	F2CB1F	
		XDRI1-2		4	F2CB0	
		XDPI1-1	G02AQ02RCP-2 2.0mmX12C GIS Q02-F02	5	F2T11	
		XDPI1-3		6	F2T12	
		XDPI1-4		7	F2TCS1	
		XDPI1-11		8	F2T21	
		XDPI1-13		9	F2T22	
		XDPI1-16		10	F2TCS2	
RET670 D/O		X41-2	F02-F02	11	F2R2	
		X41-1		12	F2CB1	
		X41-3		13	F2CB0	
				14		
				15		
				16	F2P2	
				17	F2CB0	
				18	F2CB1	
				19		
				20		
				TB1		
GIS Q02 LCC	1HDZ728872 702 BC1 CORE2	XDCT12-1	D02Q02RCP-1 5.5mmX4C GIS Q02-F02	1	21C11	DWG.D02 CTT21 87T P RET670
		XDCT12-3		2	21C21	
		XDCT12-5		3	21C31	
		XDCT12-7		4	21CN1	
	1HDZ728872 701 BC1 CORE2	XDCT11-1	D02Q02RCP-2 5.5mmX4C GIS Q02-F02	5	22C11	DWG.D02 CTT22 50/51/50N/51N REF630
		XDCT11-3		6	22C21	
		XDCT11-5		7	22C31	
		XDCT11-7		8	22CN1	
	1HDZ728872 703 BC2 CORE1	XDCTM1-8	D02Q02RCP-3 5.5mmX4C GIS Q02-F02	9	23C11	DWG.D02 CTT23 MULTI METER
		XDCTM1-10		10	23C21	
		XDCTM1-12		11	23C31	
		XDCTM1-14		12	23CN1	
MTR-2 BCT		TB8/1X2(X1)	D02BCTRCP-1 5.5mmX4C BCT-F02	13	25C11	DWG.D02 CTT25 87T S RET670
		TB8/1X2(X2)		14	25C21	
		TB8/1X2(X3)		15	25C31	
		TB8/1X1,X2,X3		16	25CN1	
MTR-2 NCT		TB8/1X2(X0)	D02NCTRCP-1 5.5mmX4C NGR-F02	17	26C11	DWG.D02 CTT26 51G RET670
		TB8/1X1(X0)		18	26CN1	
				19		
				20		

RCP F02			電纜編號&規格	外部設備		
圖號&說明	右側端子板編號			端子板編號	圖號&說明	盤名
		RTU				
DWG.K02B FOR RTU		1	K02BQ02RCP-1 2.0mmX16C RTU-GIS Q02	XDRI3-11	1HDZ728872 541,542	GIS Q02 LCC
		2		XDRI3-12		
		3		XDRI3-13		
		4		XDRI3-14		
		5		XDRI3-15		
		6		XDRI3-16		
		7		XDRI3-17		
		8		XDRI3-18		
		9		XDRI3-19		
		10		XDRI3-20		
		11		XDRI3-24		
		12		XDRI3-23		
		13		XDRI3-22		
		14		XDRI3-121		
		15				
		TB5				
DWG.K02A	SF2QA10	1	K02AQ02RCP-1 2.0mmX12C F02-GIS Q02	XDQA1-31	XDQA1-32 ●	GIS Q02 LCC
	SF2QA11	2		XDQA1-11	XDQA1-12 ●	
	SF2QB10	3		XDQB1-31	XDQB1-32 ●	
	SF2QB11	4		XDQB1-11	XDQB1-12 ●	
	SF2QC10	5		XDQC1-31	XDQC1-32 ●	
	SF2QC11	6		XDQC1-11	XDQC1-12 ●	
	SF2QC80	7		XDQC8-31	XDQC8-32 ●	
	SF2QC81	8		XDQC8-11		
	P2B	9		XDQC8-12	XDQC8-12 ●	
	N2B	10				
		TBA				
DWG.H02 FOR 30RY-2	2ACOM ●	1				
	2ACOM ●	2				
	2ACOM ●	3				
	2ACOM ●	4				
	2ACOM ●	5				
	2ACOM ●	6				
	2A52	7				
	2A55	8				
	2A56	9				
	2A63	10				
	2A64	11				
	2A65	12				
	2A66	13				
	2A67	14				
	PA1 ●	15		RET670/X11		RCP F02
	PA1 ●	16		REF630/X329		
	PA1 ●	17	H02Q02RCP-1 2.0mmX4C	XDRI3-1	1HDZ728872 541~542	GIS Q02 COLLECT
	2ARF3	18		XDRI3-11~26		
		19				
		20				
		TB10				
DWG.F02 GIS Q02 CB/DS/ES ON-OFF IND.	F2QA1G	1	F02Q02RCP-1 2.0mmX16C F02-GIS Q02	XDRI2-15	1HDZ728872 503,504	GIS Q02 LCC
	F2QA1R	2		XDRI2-16		
	F2QB1G	3		XDRI2-17		
	F2QB1R	4		XDRI2-18		
	F2QC1G	5		XDRI2-19		
	F2QC1R	6		XDRI2-20		
	F2QC8G	7		XDRI2-21		
	F2QC8R	8		XDRI2-22		
	F2OFF	9		XDRI2-13		
	F2GIS	10		XDRI2-12		
	F2RCP	11		XDRI2-11		
	P2B	12		XDRI2-1		
		13				
		14				
		15				
		TB9				
DWG.E02 GIS Q02 DS/ES CLOSE-OPEN CONTROL	F2P1	1	E02Q02RCP-1 2.0mmX12C F02-GIS Q02	XDRI1-1	1HDZ728872 221,224	GIS Q02 LCC
	F2N1	2		XDRI1-5		
	F2QB10P	3		XDRI1-11		
	F2QB10N	4		XDRI1-12		
	F2QB11P	5		XDRI1-13		
	F2QB11N	6		XDRI1-14		
	F2QC10P	7		XDRI1-15		
	F2QC10N	8		XDRI1-16		
	F2QC11P	9		XDRI1-17		
	F2QC11N	10		XDRI1-18		
	F2QC80P	11		XDRI1-21		
	F2QC80N	12		XDRI1-22		
	F2QC81P	13	E02Q02RCP-2 2.0mmX12C F02-GIS Q02	XDRI1-23		
	F2QC81N	14		XDRI1-24		
	F2R1	15				
		16				
		17				
		18				
		19				
	QC81NTL1	20		XDINT1-6		
	QC81NTL2	21		XDINT1-7		
	DSINTL1	22		XDQC8-23		
	DSINTL2	23		XDQC8-24		
	DSINTL1	24	E02MVPRCP-1 2.0mmX12C 36KV MP2	XXXX-XX		36KV MP2
	DSINTL2	25		XXXX-XX		
	QC81NTL1	26		XXXX-XX		
	QC81NTL2	27		XXXX-XX		
		28				
		29				
		30				
		TB8				
DWG.L01 RCP FAN & FL		1				
		2				
	AC11	3	F02-IN01 F02-F01	TB8-3	DWG.L01	RCP IN01 RCP F01
	AC12	4		TB8-4		
	AC21	5		TB8-5		
	FAN1	6		TB8-6		
	FAN2	7		TB8-7		
		8				
		9				
DWG.H02 30RY-2	PA1	10	F02-IN01 F02-F01	TB8-10	DWG.H03	RCP IN01
	NA1	11		TB8-11	DWG.H01	RCP F02
	BZ	12		TB8-12		
		13				
		14				
		15				
		PT				
DWG.D02 MULTI METER	1P13	1	F02-IN01 F02-F01	PT-7/PT-1	DWG.D03B DWG.D01	RCP IN01 RCP F01
	1P23	2		PT-8/PT-2		
	1P33	3		PT-9/PT-3		
	1PN2	4		PT-10/PT-4		
		5				
		6				
		DC				
DWG.C02 RCP F02 DC SOURCE	P	1	F02-F01	DC-3	DWG.C02	RCP F01
	N	2		DC-4		
	P	3	F02-IN01	DC-1	DWG.C02	RCP IN01
	N	4		DC-2		

外部跳線			RCP F02	
銘名	圖號&說明	端子座編號	電纜編號&規格	芯線端子座編號	圖號&說明
				TBS1	
				1	S86T224	DWG.K02C
				2	S86T226	FOR TBS1
				3	S43211	
				4	S43212	
				5	S43213	
				6	S43214	
				7	S43231	
				8	S32222	
				9	S43223	
				10	S43234	
				11	SS522	
				12	SS521	
				13	SS523	
				14		
				15	S86P224	
				16	S86P226	
				17	S43P21	
				18	S43P22	
				19	S43P23	
				20	S43P24	
				21	S87T TT1	
				22	S87T TT2	
				23	S61G TT1	
				24		
				25	SCO TT1	
				26	SCO TT2	
				27	SRVFI1	
				28	SRVFI2	
				29	SRVF21	
				30	SRVF22	

For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	Doc. des.	DWG. NO. VENA- T02B
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	TERMINAL BLOCK DIAGRAM FOR RCP F02 (2)	Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B							
For Approval	2021-08-17	A	Customer 臺能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No.	Sheet 1 Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces					

Rev.	Derived fm	Date
D		2021-10-08
C		2021-09-08
B		2021-09-06
A		2021-08-17

For Approval
For Approval
For Approval
Issued for

Project: VENA ENERGY
161KV GIS S/S PROJECT
Customer: 臺能台西
Replaces

Approved by: Jeff Lu — Date: 2021-06-18
Checked by: Jeff Lu — Date: 2021-06-18
Prepared by: Chuan Hua — Date: 2021-06-18

Title: TERMINAL BLOCK DIAGRAM
FOR RCP IN01 (1)
台灣日立電網股份有限公司

Doc. des.
Resp. dept.
Doc. No.
DWG. NO. VENA- T03A
Scale
Lang.
Sheet 1
Cont. ~

外部設備			電纜編號&規格	RCP IN01		
盤名	圖號&說明	端子板編號		右側端子板編號		圖號&說明
				50+2		
33kV MP1 OPEN	DWG.XXX	XXX XXX	G03DMP1RCP-1 2.0mmX4C 33kV MP1-IN01	1 2 3	F1P2 F1CB0	DWG.G03D FOR 50+2
33kV MP2 OPEN	DWG.XXX	XXX XXX	G03DMP2RCP-1 2.0mmX4C 33kV MP2-IN01	4 5 6	F2P2 F2CB0	
33kV MP3 OPEN	DWG.XXX	XXX XXX	G03DMP3RCP-1 2.0mmX4C 33kV MP3-IN01	7 8 9	F3P2 F3CB0	
33kV MP4 OPEN	DWG.XXX	XXX XXX	G03DMP4RCP-1 2.0mmX4C 33kV MP4-IN01	10 11 12	F4P2 F4CB0	
				13		
				14		
				15		
				16		
				17		
				18		
				19		
				20		
				TB6		
				1		
				2		
				3		
				4		
				5		
				6		
				7		
				8		
				9		
				10		
				11		
				12		
				13		
				14		
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				16		
				17		
				18		
				19		
				20		
				21		
				22		
				23		
				24		
				25		
				TB5		
86L TRIP COIL1	DWG.G03A	I1T11 I1T12	IN01-IN01	1 2	86L12 86L18	DWG.G03B FOR 86L
86L TRIP COIL2		I1T21 I1T22		3 4	86L14 86L16	
30RY-2 ALARM	DWG.H03	3ACOM 3A52		5 6	86L22 86L28	
RTU	DWG.K03C	TBS1-1 TBS1-2		7 8	86L24 86L26	
				9	86L32	
				10	86L38	
				11	86L34	
				12	86L36	
				13	86L42	
				14	86L48	
				15	86L44	
				16	86L46	
CB QA1 ON INTL.	DWG.G03A	CS/C I1CB1A	IN01-IN01	17 18	86L11 86L13	
				19	86L15	
				20	86L17	
				21	86L21	
				22	86L23	
				23	86L25	
				24	86L27	
86L TRIP COIL			IN01-IN01	25 26	86LG 86LB	
				27		
				28		
				29		
				30		
				TB4		
RCP F04	DWG.GBP	86B-33 86B-34	F04-IN01	1 2	I1CB1D I1CB1E	DWG.G03A FOR CB/INTL. TRIP
				3	I1CB1E	
				4	I1CB1F	
				5	I1CB1C	
				6	I1CB1B	
RCP F04	DWG.GBP	86B-9 86B-10	F04-IN01	7 8	I1T11 I1T12	
		86B-11 86B-12	F04-IN01	9 10	I1T21 I1T22	
RCP IN01	DWG.G02B	I1T11 I1T12 I1T11 I1T12 I1T12 I1T21 I1T22 I1T21 I1T22	IN01-IN01	11 12 13 14 15 16 17 18 19 20	87LIT11 87LIT12 TCS11 TCS12 TCS13 87LIT21 87LIT22 TCS21 TCS22 TCS23	
				TB3		
GIS Q03 LCC	1HDZ728873 151,153,211,212,213	XDRI1-1 XDRI1-3 XDRI1-4 XDRI1-2 XDPI1-1 XDPI1-3 XDPI1-4 XDPI1-11 XDPI1-13 XDPI1-16	G03AQ03RCP-1 2.0mmX6C GIS Q03-IN01 G03AQ03RCP-2 2.0mmX12C GIS Q03-IN01	1 2 3 4 5 6 7 8 9 10	I1P2 I1CB1 I1CB1F I1CB0 I1T11 I1T12 I1TCS14 I1T21 I1T22 I1TCS24	DWG.G03A FOR CB/INTL. TRIP
7SJ82-1 D/O		D2 D3 D1	IN01-IN01	11 12 13	I1R2 I1CB1 I1CB0	
				14		
				15		
				16	I1P2	
				17	I1CB0	
				18	I1CB1	
				19		
				20		
				TB1		
GIS Q03 LCC	1HDZ728873 703 BC4 CORE1	XDCT41-1 XDCT41-3 XDCT41-5 XDCT41-7	D03BQ03RCP-1 5.5mmX4C GIS Q03-IN01	1 2 3 4	32C11 32C21 32C31 32CN1	DWG.D03B CTT32 87L2 7SL86-2
	1HDZ728873 701 BC3 CORE1	XDCTM1-8 XDCTM1-10 XDCTM1-12 XDCTM1-14	D03BQ03RCP-2 5.5mmX4C GIS Q03-IN01	5 6 7 8	33C11 33C21 33C31 33CN1	DWG.D03B CTT33 MULTI METER
	1HDZ728873 702 BC3 CORE2	XDCT32-1 XDCT32-3 XDCT32-5 XDCT32-7	D03BQ03RCP-3 5.5mmX4C GIS Q03-IN01	9 10 11 12	34C11 34C21 34C31 34CN1	DWG.D03B CTT34 87L1 7SL86-1

RCP IN01			電纜編號&規格	外部設備		
圖號&說明	右側端子板編號			端子板編號	圖號&說明	盤名
	TBS					
DWG.K03A	S1IQA10	1	K03AQ03RCP-1 2.0mmX12C IN01-GIS Q03	XDQA1-31	XDQA1-32	GIS Q03 LCC
	S1IQA11	2		XDQA1-11	XDQA1-12	
	S1IQB10	3		XDQB1-31	XDQB1-32	
	S1IQB11	4		XDQB1-11	XDQB1-12	
	S1IQC10	5		XDQC1-31	XDQC1-32	
	S1IQC11	6		XDQC1-11	XDQC1-12	
	S1IQC80	7		XDQC8-31	XDQC8-32	
	S1IQC81	8		XDQC8-11	XDQC8-12	
	S1IQB70	9		XDQB7-31	XDQB7-32	
	S1IQB71	10		XDQB7-11	XDQB7-12	
	S1IQC70	11		XDQC7-31	XDQC7-32	
	S1IQC71	12		XDQC7-11	XDQC7-12	
	S1IQC110	13	K03AQ03RCP-2 2.0mmX12C IN01-GIS Q03	XDQC11-31	XDQC11-32	
	S1IQC111	14		XDQC11-11		
	P3B	15		XDQC11-12	XDQC11-12	
		16				
		17				
		18				
		19				
		20				
		TBA				
DWG.H03 FOR 30RY-3	3ACOM	1				
	3ACOM	2				
	3ACOM	3				
	3ACOM	4				
	3ACOM	5				
	3ACOM	6				
		7				
		8				
		9				
	3A65	10				
	3A66	11				
	3A67	12				
	3A68	13				
	PA1	14				
	PA1	15				
	PA1	16				
	PA1	17	H02Q03RCP-1 2.0mmX4C	XDRI3-1	1HDZ7288723	GIS Q03 COLLECT
	3ARF3	18		XDRI3-11~26	541~542	
		19				
		20				
		TB10				
DWG.IN01 GIS Q03 CB/DS/ES ON-OFF IND.	I1QA1G	1	IN01Q03RCP-1 2.0mmX12C IN01-GIS Q03	XDRI2-15	1HDZ728873 503,504	GIS Q03 LCC
	I1QA1R	2		XDRI2-16		
	I1QB1G	3		XDRI2-17		
	I1QB1R	4		XDRI2-18		
	I1QC1G	5		XDRI2-19		
	I1QC1R	6		XDRI2-20		
	I1QB7G	7		XDRI2-21		
	I1QB7R	8		XDRI2-22		
	I1QC7G	9		XDRI2-23		
	I1QC7R	10		XDRI2-24		
	I1QC8G	11		XDRI2-25		
	I1QC8R	12		XDRI2-26		
	I1QC11G	13	IN01Q03RCP-2 2.0mmX12C IN01-GIS Q03	XDRI2-27		
	I1QC11R	14		XDRI2-28		
	I1QFF	15		XDRI2-13		
	I1GIS	16		XDRI2-12		
	I1RCP	17		XDRI2-11		
	I1HVD	18		XDHVD1-50	XDHVD1-70	
	P2B	19		XDRI2-1	XDRI2-1	
		20				
		TB9				
DWG.E03 GIS Q03 DS/ES CLOSE-OPEN CONTROL	I1P1	1	E03Q03RCP-1 2.0mmX12C IN01-GIS Q03	XDRI1-1	1HDZ728873 221,224	GIS Q03 LCC
	I1N1	2		XDRI1-5		
	I1QB10P	3		XDRI1-11		
	I1QB10N	4		XDRI1-12		
	I1QB11P	5		XDRI1-13		
	I1QB11N	6		XDRI1-14		
	I1QC10P	7		XDRI1-15		
	I1QC10N	8		XDRI1-16		
	I1QC11P	9		XDRI1-17		
	I1QC11N	10		XDRI1-18		
	I1QB70P	11		XDRI1-21		
	I1QB70N	12		XDRI1-22		
	I1QB71P	13	E03Q03RCP-2 2.0mmX12C IN01-GIS Q03	XDRI1-23		
	I1QB71N	14		XDRI1-24		
	I1QC70P	15		XDRI1-25		
	I1QC70N	16		XDRI1-26		
	I1QC71P	17		XDRI1-27		
	I1QC71N	18		XDRI1-28		
	I1QC80P	19		XDRI1-31		
	I1QC80N	20		XDRI1-32		
	I1QC81P	21		XDRI1-33		
	I1QC81N	22		XDRI1-34		
	I1QC110P	23		XDRI1-41		
	I1QC110N	24		XDRI1-42		
	I1QC111P	25	E03Q03RCP-3 2.0mmX12C	XDRI1-43		
	I1QC111N	26		XDRI1-44		
	I1R1	27				
		28				
		29				
		30				
		TB8				
DWG.L01 RCP FAN & FL		1				
		2				
	AC11	3	IN01-F02 IN01-F03	TB8-3	DWG.L01	RCP F02 RCP F03
	AC12	4		TB8-4		
	AC21	5		TB8-5		
	FAN1	6		TB8-6		
	FAN2	7		TB8-7		
		8				
		9				
DWG.H03 30RY-3	PA1	10	IN01-F02 IN01-F03	TB8-10	DWG.H02	RCP F02 RCP F03
	NA1	11		TB8-11	DWG.H04	
	BZ	12		TB8-12		
		13				
		14				
		15				
		PT				
DWG.D02 MULTI METER	1PI1	1	D03BQ05RCP-1 5.5mmX4C IN01-GIS Q05	XDVTM1-2	1HDZ728875	GIS Q05 LCC
	1P21	2		XDVTM1-4		
	1P31	3		XDVTM1-6		
	1PN1	4		XDVTM1-8		
	2P11	5	D03BQ03RCP-4 5.5mmX4C	XDVT212-1	1HDZ728873	GIS Q03 LCC
	2PN1	6		XDVT212-2		
	1P13	7	IN01-F02 IN01-F03	PT-1		RCP F02 RCP F03
	1P23	8		PT-2		
	1P33	9		PT-3		
	1PN2	10		PT-4		
	2P13	11		PT-5		
	2PN2	12		PT-6		
	1P14	13				
	1P24	14				
	1P34	15				
	1PN2	16				
	2P14	17				
	2PN2	18				
		DC				
DWG.C02 RCP IN01 DC SOURCE	P	1	IN01-F01	DC-3	DWG.C02	RCP F01
	N	2		DC-4		
	P	3	IN01-IN01	DC-1	DWG.C02	RCP IN01
	N	4		DC-2		

RCP IN01

圖號&說明	右側端子座編號		電纜編號&規格	外部設備 端子座編號	圖號&說明	備考
		RTU				
DWG.K03B FOR RTU		1	K01BQ01RCP-1 2.0mmX16C RTU-GIS Q01	XDR13-11	1HDZ728873	GIS Q03 LCC
		2		XDR13-12	543,544	
		3		XDR13-13		
		4		XDR13-14		
		5		XDR13-15		
		6		XDR13-16		
		7		XDR13-17		
		8		XDR13-18		
		9		XDR13-19		
		10		XDR13-20		
		11		XDR13-21		
		12		XDR13-22		
		13		XDR13-23		
		14		XDR13-24		
		15		XDR13-25		
		16		XDR13-26		
		17		XDR13-27		
		18		XDR13-28		
		19		XDR13-29		
		20		XDR13-30		
		21		XDR13-31		
		22		XDR13-32		
		23		XDR13-33		
		24		XDR13-34		
		25		XDR13-35		
		26		XDR13-37		
		27		XDR13-36		
		28		XDR13-1,35		
		29				
		30				

RCP F04

外部設備 名稱	圖號&說明	端子座編號	電纜編號&規格	左側端子座編號		圖號&說明
				TBS1		
RTU			RTU-1N01	1	S861,24	DWG.K03C FOR RTU
				2	S861,26	
				3	S43311	
				4	S43312	
				5	S43313	
				6	S43314	
				7	S43321	
				8	S43322	
				9	S43323	
				10	S43324	
				11	S43331	
				12	S43332	
				13	S43333	
				14	S43334	
				15	S43341	
				16	S43342	
				17	S43343	
				18	S43344	
				19	S43351	
				20	S43352	
				21	S43353	
				22	S43354	
				23	S43361	
				24	S43362	
				25	S43363	
				26	S43364	
				27	S43371	
				28	S43372	
				29	S43373	
				30	S43374	
				31	S43381	
				32	S43382	
				33	S43383	
				34	S43384	
				35	S43391	
				36	S43392	
				37	S43393	
				38	S43394	
				39	S4331001	
				40	S4331002	
				41	S433103	
				42	S433104	
				43	SSS32	
				44	SSS31	
				45	SSS33	
				46	SRVF01	
				47	SRVF02	
				48	SRVF21	
				49	SRVF22	
				50	SRVF31	
				51	SRVF32	
				52	SRVF41	
				53	SRVF42	
				54		
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For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title	TERMINAL BLOCK DIAGRAM FOR RCP IN01 (2)	Doc. des.	DWG. NO. VENA- T03B
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18			Resp. dept.	Scale / Lang.
For Approval	2021-09-06	B	Customer 韋能台西		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司		Doc. No.	Sheet 1 / Cont. ～
For Approval	2021-08-17	A	Derived fm	Replaces						
Issued for	Date	Rev.								

Rev.	Date	Derived fm	Replaces
D	2021-10-08	For Approval	
C	2021-09-08	For Approval	
B	2021-09-06	For Approval	
A	2021-08-17	For Approval	
		Issued for	

Project: VENA ENERGY
161KV GIS S/S PROJECT
Customer: 臺能台西

Approved by	Date
Jeff Lu	2021-06-18
Checked by	Date
Jeff Lu	2021-06-18
Prepared by	Date
Chuan Hua	2021-06-18

Title: TERMINAL BLOCK DIAGRAM
FOR RCP F03 (1)
台灣日立電網股份有限公司

Doc. No.	Resp. dept.	Doc. des.
	Scale	DWG. NO. VENA- T04A
	Lang.	
Cont. ~	Sheet 1	

外部設備			電纜編號&規格	RCP F03		
盤名	圖號&說明	端子板編號		右側端子板編號		圖號&說明
				TB6		
86P3 TRIP COIL1	DWG.G04A	F3T11	F03-F03	1	86P312	DWG.G04B FOR 86P3
		TB6-27		2	86P318	
86P3 TRIP COIL2		F3T21		3	86P314	
		TB6-29		4	86P316	
30RY-4 ALARM	DWG.H04	4ACOM		5	86P322	
		4A54		6	86P328	
RTU	DWG.K04C	TBSI-15		7	86P324	
		TBSI-16		8	86P326	
				9	86P332	
				10	86P338	
36KV MP3		-XC30/305A	**G04BMVPRCP-1	11	86P334	
				12	86P336	
				13		
				14		
				15		
				16		
CB QA1 ON	DWG.G04A	TB5-18	F03-F03	17	86P311	
		TB4-6		18	86P313	
36KV MP3		-XC30/351D	**G04BMVPRCP-1	19	86P315	
				20	86P317	
				21	86P321	
				22	86P323	
				23	86P325	
				24	86P327	
86P3 TRIP COIL			F03-F03	25	86P3G	
				26	86P3B	
86P3 TRIP COIL1	DWG.G04A	TB6-2		27	43P301	
		F3T12		28	43P302	
86P3 TRIP COIL2	DWG.G04A	TB6-4		29	43P303	
		F3T22		30	43P304	
RTU	DWG.K04C	TBSI-19		31	43P305	
		TBSI-20		32	43P306	
				33	43P307	
36KV MP3		-XC30/358A	**G04BMVPRCP-1	34	43P308	
				35	43P309	
				36	43P310	
RTU	DWG.K04C	TBSI-17	F03-F03	37	43P311	
		TBSI-18		38	43P312	
				39		
				40		
				TB5		
86T3 TRIP COIL1	DWG.G04A	F3T11	F03-F03	1	86T312	DWG.G04B FOR 86T3
		F3T12		2	86T318	
86T3 TRIP COIL2		F3T21		3	86T314	
		F3T22		4	86T316	
30RY-3 ALARM	DWG.H04	4ACOM		5	86T322	
		4A53		6	86T328	
RTU	DWG.K04C	TBSI-1		7	86T324	
		TBSI-2		8	86T326	
				9	86T332	
				10	86T338	
				11	86T334	
				12	86T336	
				13	86T342	
				14	86T348	
		TB6-11		15	86T344	
				16	86T346	
CB QA1 ON INTL.	DWG.G04A	CS/C	F03-F03	17	86T311	
		TB6-17		18	86T313	
		TB6-20	**G04BMVPRCP-1 2.0mmX6C	19	86T315	
36KV MP3		-XC30/352A		20	86T317	
				21	86T321	
				22	86T323	
				23	86T325	
				24	86T327	
86T3 TRIP COIL			F03-F03	25	86T3G	
				26	86T3B	
				27		
				28		
				29		
				30		
				TB4		
RCP F04	DWG.GBP	86B-35	F04-F03	1	F3CB1D	DWG.G04A FOR CB/INTL. TRIP
		86B-36		2	F3CB1E	
				3 ●	F3CB1E	
				4 ●	F3CB1F	
				5 ●	F3CB1C	
				6 ●	F3CB1B	
RCP F04	DWG.GBP	86B-13	F04-F03	7	F3T11	
		86B-14		8	F3T12	
		86B-15	F04-F03	9	F3T21	
		86B-16		10	F3T22	
RCP F03	DWG.G04B	F3T11	F03-F03	11	87T11	
		F3T12		12	87T12	
		F3T11		13	COT11	
		F3T12		14	COT12	
		F3T21		15	87T21	
		F3T22		16	87T22	
		F3T21		17	COT21	
		F3T22		18	COT22	
GIS Q04 LCC	1HDZ728874 801	XDQA1-1,21	G04BQ04RCP-1 2.0mmX6C GIS Q04-F03	19	P4A	
		XDQA1-2		20	F352a	
		XDQA1-22		21	F352b	
MTR-3	A02	A03,A04,A08	G04BTRPRCP-1 2.0mmX6C	22	P4A	
	B02	B03,B04,B08		23	F3TRT	
				24		
				25		
				26		
				27		
				28		
				29		
				30		
				TB3		
GIS Q04 LCC	1HDZ728874 151,153,211,212,213	XDRI1-1	G04AQ04RCP-1 2.0mmX6C GIS Q04-F03	1	F3P2	DWG.G04A FOR CB/INTL. TRIP
		XDRI1-3		2	F3CB1	
		XDRI1-4		3	F3CB1F	
		XDRI1-2		4	F3CB0	
		XDPI1-1	G04AQ04RCP-2 2.0mmX12C GIS Q04-F03	5	F3T11	
		XDPI1-3		6	F3T12	
		XDPI1-4		7	F3TCS1	
		XDPI1-11		8	F3T21	
		XDPI1-13		9	F3T22	
		XDPI1-16		10	F3TCS2	
RET670 D/O		X41-2	F03-F03	11	F3R2	
		X41-1		12	F3CB1	
		X41-3		13	F3CB0	
				14		
				15		
				16	F3P2	
				17	F3CB0	
				18	F3CB1	
				19		
				20		
				TB1		
GIS Q04 LCC	1HDZ728874 702 BC1 CORE2	XDCT12-1	D04Q04RCP-1 5.5mmX4C GIS Q04-F03	1	41C11	DWG.D04 CTT41 87T P RET670
		XDCT12-3		2	41C21	
		XDCT12-5		3	41C31	
		XDCT12-7		4	41CN1	
	1HDZ728874 701 BC1 CORE2	XDCT11-1	D04Q04RCP-2 5.5mmX4C GIS Q04-F03	5	42C11	DWG.D04 CTT42 50/51/50N/51N REF630
		XDCT11-3		6	42C21	
		XDCT11-5		7	42C31	
		XDCT11-7		8	42CN1	
	1HDZ728874 703 BC2 CORE1	XDCTM1-8	D04Q04RCP-3 5.5mmX4C GIS Q04-F03	9	43C11	DWG.D04 CTT43 MULTI METER
		XDCTM1-10		10	43C21	
		XDCTM1-12		11	43C31	
		XDCTM1-14		12	43CN1	
MTR-3 BCT		TB8/1X2(X1)	D04BCTRCP-1 5.5mmX4C BCT-F03	13	45C11	DWG.D04 CTT45 87T S RET670
		TB8/1X2(X2)		14	45C21	
		TB8/1X2(X3)		15	45C31	
		TB8/1X1,X2,X3		16	45CN1	
MTR-3 NCT		TB8/1X2(X0)	D04NCTRCP-1 5.5mmX4C NGR-F03	17	46C11	DWG.D04 CTT46 51G RET670
		TB8/1X1(X0)		18	46CN1	
				19		
				20		

RCP F03			電纜編號&規格	外部設備		
圖號&說明	右側端子板編號			端子板編號	圖號&說明	盤名
		TB7				
DWG.K04B FOR RTU		1	K04BQ04RCP-1 2.0mmX16C RTU-GIS Q04	XDRI3-11	1HDZ728874 541,542	GIS Q04 LCC
		2		XDRI3-12		
		3		XDRI3-13		
		4		XDRI3-14		
		5		XDRI3-15		
		6		XDRI3-16		
		7		XDRI3-17		
		8		XDRI3-18		
		9		XDRI3-19		
		10		XDRI3-20		
		11		XDRI3-24		
		12		XDRI3-23		
		13		XDRI3-22		
		14		XDRI3-121		
		15				
		TB5				
DWG.K04A	SF3QA10	1	K04AQ04RCP-1 2.0mmX12C F03-GIS Q04	XDQA1-31 ●	XDQA1-32 ●	GIS Q04 LCC
	SF3QA11	2		XDQA1-11	XDQA1-12 ●	
	SF3QB10	3		XDQB1-31	XDQB1-32 ●	
	SF3QB11	4		XDQB1-11	XDQB1-12 ●	
	SF3QC10	5		XDQC1-31	XDQC1-32 ●	
	SF3QC11	6		XDQC1-11	XDQC1-12 ●	
	SF3QC80	7		XDQC8-31	XDQC8-32 ●	
	SF3QC81	8		XDQC8-11		
	P4B	9		XDQC8-12	XDQC8-12 ●	
	N4B	10				
		TBA				
DWG.H04 FOR 30RY-4	4ACOM ●	1				
	4ACOM ●	2				
	4ACOM ●	3				
	4ACOM ●	4				
	4ACOM ●	5				
	4ACOM ●	6				
	4A52	7				
	4A55	8				
	4A56	9				
	4A63	10				
	4A64	11				
	4A65	12				
	4A66	13				
	4A67	14				
	PA1 ●	15		RET670/X11		RCP F03
	PA1 ●	16		REF630/X329		
	PA1 ●	17	H04Q04RCP-1 2.0mmX4C	XDRI3-1	1HDZ728874 541~542	GIS Q04 COLLECT
	4ARF3	18		XDRI3-11~26		
		19				
		20				
		TB10				
DWG.F04 GIS Q04 CB/DS/ES ON-OFF IND.	F3QA1G	1	F04Q04RCP-1 2.0mmX16C F03-GIS Q04	XDRI2-15	1HDZ728874 503,504	GIS Q04 LCC
	F3QA1R	2		XDRI2-16		
	F3QB1G	3		XDRI2-17		
	F3QB1R	4		XDRI2-18		
	F3QC1G	5		XDRI2-19		
	F3QC1R	6		XDRI2-20		
	F3QC8G	7		XDRI2-21		
	F3QC8R	8		XDRI2-22		
	F3OFF	9		XDRI2-13		
	F3GIS	10		XDRI2-12		
	F3RCP	11		XDRI2-11		
	P4B	12		XDRI2-1		
		13				
		14				
		15				
		TB9				
DWG.E04 GIS Q04 DS/ES CLOSE-OPEN CONTROL	F3P1	1	E04Q04RCP-1 2.0mmX12C F03-GIS Q04	XDRI1-1	1HDZ728874 221,224	GIS Q04 LCC
	F3N1	2		XDRI1-5		
	F3QB10P	3		XDRI1-11		
	F3QB10N	4		XDRI1-12		
	F3QB11P	5		XDRI1-13		
	F3QB11N	6		XDRI1-14		
	F3QC10P	7		XDRI1-15		
	F3QC10N	8		XDRI1-16		
	F3QC11P	9		XDRI1-17		
	F3QC11N	10		XDRI1-18		
	F3QC80P	11		XDRI1-21		
	F3QC80N	12		XDRI1-22		
	F3QC81P	13	E04Q04RCP-2 2.0mmX12C F03-GIS Q04	XDRI1-23		
	F3QC81N	14		XDRI1-24		
	F3R1	15				
		16				
		17				
		18				
		19				
	QC81NTL1	20		XDINT1-6		
	QC81NTL2	21		XDINT1-7		
	DSINTL1	22		XDQC8-23		
	DSINTL2	23		XDQC8-24		
	DSINTL1	24	E04MVPRCP-1 2.0mmX12C 36KV MP3	XXXX-XX		36KV MP3
	DSINTL2	25		XXXX-XX		
	QC81NTL1	26		XXXX-XX		
	QC81NTL2	27		XXXX-XX		
		28				
		29				
		30				
		TB8				
DWG.L01 RCP FAN & FL		1				
		2				
	AC11	3	F03-IN01 F03-F04	TB8-3	DWG.L01	RCP IN01 RCP F04
	AC12	4		TB8-4		
	AC21	5		TB8-5		
	FAN1	6		TB8-6		
	FAN2	7		TB8-7		
		8				
		9				
DWG.H04 30RY-4	PA1	10	F03-IN01 F03-F04	TB8-10	DWG.H03	RCP IN01
	NA1	11		TB8-11	DWG.H05	RCP F04
	BZ	12		TB8-12		
		13				
		14				
		15				
		PT				
DWG.D04 MULTI METER	1PI3	1	F03-IN01 F03-F04	PT-7/PT-1	DWG.D03B DWG.D05	RCP IN01 RCP F04
	1PI23	2		PT-8/PT-2		
	1PI33	3		PT-9/PT-3		
	1PN2	4		PT-10/PT-4		
	2PI3	5		PT-11		
	2PN2	6		PT-12		
		DC				
DWG.C02 RCP F03 DC SOURCE	P	1	F03-IN01	DC-3	DWG.C02	RCP IN01
	N	2		DC-4		
	P	3	F03-F04	DC-1	DWG.C02	RCP F04
	N	4		DC-2		

RCP F03

圖號&說明: DWG.K04C FOR TBS1

TBS1	左側端子板編號	電纜編號&規格	外部設備 端子板編號	外部設備 圖號&說明	盤名
1	S86T324				
2	S86T326				
3	S43411				
4	S43412				
5	S43413				
6	S43414				
7	S43421				
8	S32422				
9	S43423				
10	S43424				
11	SSS42				
12	SSS41				
13	SSS43				
14					
15	S86P324				
16	S86P326				
17	S43P31				
18	S43P32				
19	S43P33				
20	S43P34				
21	S87TT11				
22	S87TT12				
23	S51GT11				
24					
25	SCOT11				
26	SCOT12				
27	SRYF11				
28	SRYF12				
29	SRYF21				
30	SRYF22				

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For Approval	2021-10-08	D
For Approval	2021-09-08	C
For Approval	2021-09-06	B
For Approval	2021-08-17	A

Project: VENA ENERGY 161KV GIS S/S PROJECT

Customer: 韋能台西

Derived fm | Replaces

Approved by: Jeff Lu — Date: 2021-06-18

Checked by: Jeff Lu — Date: 2021-06-18

Prepared by: Chuan Hua — Date: 2021-06-18

Title: TERMINAL BLOCK DIAGRAM FOR RCP F03 (2)

台灣日立電網股份有限公司

Doc. des.

Resp. dept.

Doc. No.

DWG. NO. VENA- T04B

Scale

Lang.

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D	For Approval	2021-10-08
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A	For Approval	2021-08-17
	Issued for	

Project: VENA ENERGY
161KV GIS S/S PROJECT
Customer: 臺能台西
Replaces:

Approved by	Date
Jeff Lu	2021-06-18
Checked by	Date
Jeff Lu	2021-06-18
Prepared by	Date
Chuan Hua	2021-06-18

Title: TERMINAL BLOCK DIAGRAM
FOR RCP F04 (1)
台灣日立電網股份有限公司

Doc. No.	Resp. dept.	Doc. des.
	Scale	DWG. NO. VENA- T05A
Cont. ~	Sheet 1	Lang.

外部設備			電纜編號&規格	RCP F04		
盤名	圖號&說明	端子板編號		右側端子板編號		圖號&說明
				TB5		
86T4 TRIP COIL1	DWG.G05A	F4T11	F04-F04	1	86T412	DWG.G05B
		F4T12		2	86T418	FOR 86T4
86T4 TRIP COIL2		F4T21		3	86T414	
		F4T22		4	86T416	
30RY-4 ALARM	DWG.H05	5ACOM		5	86T422	
		5A53		6	86T428	
RTU	DWG.K05C	TBSI-1		7	86T424	
		TBSI-2		8	86T426	
				9	86T432	
				10	86T438	
				11	86T434	
				12	86T436	
				13	86T442	
				14	86T448	
		TB6-11		15	86T444	
				16	86T446	
CB QA1 ON INTL.	DWG.G05A	CS/C	F04-F04	17	86T411	
		TB6-17		18	86T413	
		TB6-20	**G05BMVPRCP-1 2.0mmX6C	19	86T415	
36KV MP4		-XC30/352A		20	86T417	
				21	86T421	
				22	86T423	
				23	86T425	
				24	86T427	
86T4 TRIP COIL			F04-F04	25	86T4G	
				26	86T4B	
				27		
				28		
				29		
				30		
				TB4		
RCP F04	DWG.GBP	86B-37	F04-F04	1	F4CB1D	DWG.G05A
		86B-38		2	F4CB1E	FOR CB/INTL.
				3 ●	F4CB1E	TRIP
				4 ●	F4CB1F	
				5 ●	F4CB1C	
				6 ●	F4CB1B	
RCP F04	DWG.GBP	86B-17	F04-F04	7	F4T11	
		86B-18		8	F4T12	
		86B-19	F04-F04	9	F4T21	
		86B-20		10	F4T22	
RCP F04	DWG.G04B	F4T11	F04-F04	11	87T11	
		F4T12		12	87T12	
		F4T11		13	COT11	
		F4T12		14	COT12	
		F4T21		15	87T21	
		F4T22		16	87T22	
		F4T21		17	COT21	
		F4T22		18	COT22	
GIS Q05 LCC	1HDZ728875 801	XDQA1-1,21	G05BQ05RCP-1 2.0mmX6C GIS Q05-F04	19	P5A	
		XDQA1-2		20	F452a	
		XDQA1-22		21	F452b	
MTR-4	A02	A03,A04,A08	G05BTRPRCP-1 2.0mmX6C	22	P5A	
	B02	B03,B04,B08		23	F4TRT	
				24		
				25		
				26		
				27		
				28		
				29		
				30		
				TB3		
GIS Q05 LCC	1HDZ728875 151,153,211,212,213	XDRI1-1	G05AQ05RCP-1 2.0mmX6C GIS Q05-F04	1	F4P2	DWG.G05A
		XDRI1-3		2	F4CB1	FOR CB/INTL.
		XDRI1-4		3	F4CB1F	TRIP
		XDRI1-2		4	F4CB0	
		XDPI1-1	G05AQ05RCP-2 2.0mmX12C GIS Q05-F04	5	F4T11	
		XDPI1-3		6	F4T12	
		XDPI1-4		7	F4TCS1	
		XDPI1-11		8	F4T21	
		XDPI1-13		9	F4T22	
		XDPI1-16		10	F4TCS2	
RET670 D/O		X41-2	F04-F04	11	F4R2	
		X41-1		12	F4CB1	
		X41-3		13	F4CB0	
				14		
				15		
				16	F4P2	
				17	F4CB0	
				18	F4CB1	
				19		
				20		
				TB2		
GIS Q01 LCC	1HDZ728871 704 BC2 CORE2	XDCT22-1	DBPQ01RCP-1 5.5mmX4C GIS Q01-F04	1	14C11	DWG.DBP
		XDCT22-3		2	14C21	CTT14
		XDCT22-5		3	14C31	87B
		XDCT22-7		4	14CN1	REB670
GIS Q02 LCC	1HDZ728872 704 BC2 CORE2	XDCT22-1	DBPQ02RCP-1 5.5mmX4C GIS Q02-F04	5	24C11	DWG.DBP
		XDCT22-3		6	24C21	CTT24
		XDCT22-5		7	24C31	87B
		XDCT22-7		8	24CN1	REB670
GIS Q03 LCC	1HDZ728873 704 BC4 CORE2	XDCT24-1	DBPQ03RCP-1 5.5mmX4C GIS Q03-F04	9	31C11	DWG.DBP
		XDCT24-3		10	31C21	CTT31
		XDCT24-5		11	31C31	87B
		XDCT24-7		12	31CN1	REB670
GIS Q04 LCC	1HDZ728874 704 BC2 CORE2	XDCT22-1	DBPQ04RCP-1 5.5mmX4C GIS Q04-F04	13	44C11	DWG.DBP
		XDCT22-3		14	44C21	CTT44
		XDCT22-5		15	44C31	87B
		XDCT22-7		16	44CN1	REB670
GIS Q05 LCC	1HDZ728875 704 BC2 CORE2	XDCT22-1	DBPQ05RCP-1 5.5mmX4C GIS Q05-F04	17	54C11	DWG.DBP
		XDCT22-3		18	54C21	CTT54
		XDCT22-5		19	54C31	87B
		XDCT22-7		20	54CN1	REB670
				TB1		
GIS Q05 LCC	1HDZ728875 702 BC1 CORE2	XDCT12-1	D05Q05RCP-1 5.5mmX4C GIS Q05-F04	1	51C11	DWG.D05
		XDCT12-3		2	51C21	CTT51
		XDCT12-5		3	51C31	87T P
		XDCT12-7		4	51CN1	RET670
	1HDZ728875 701 BC1 CORE2	XDCT11-1	D05Q05RCP-2 5.5mmX4C GIS Q05-F04	5	52C11	DWG.D05
		XDCT11-3		6	52C21	CTT52
		XDCT11-5		7	52C31	50/51/50N/51N
		XDCT11-7		8	52CN1	REF630
	1HDZ728875 703 BC2 CORE1	XDCTM1-8	D05Q05RCP-3 5.5mmX4C GIS Q05-F04	9	53C11	DWG.D05
		XDCTM1-10		10	53C21	CTT53
		XDCTM1-12		11	53C31	MULTI METER
		XDCTM1-14		12	53CN1	
MTR-4 BCT		TB8/1X2(X1)	D05BCTRCP-1 5.5mmX4C BCT-F04	13	55C11	DWG.D05
		TB8/1X2(X2)		14	55C21	CTT55
		TB8/1X2(X3)		15	55C31	87T S
		TB8/1X1,X2,X3		16	55CN1	RET670
MTR-4 NCT		TB8/1X2(X0)	D05NCTRCP-1 5.5mmX4C NGR-F04	17	56C11	DWG.D05
		TB8/1X1(X0)		18	56CN1	CTT56
				19		51G
				20		RET670

RCP F04			電纜編號&規格	外部設備		
圖號&說明	右側端子板編號			端子板編號	圖號&說明	盤名
		TB11				
DWG.GBP	PB	1	GBPQ01RCP-1 2.0mmX6C F04-GIS Q01	XDPI1-31,XDQA1-25		GIS Q01
	Q01CLM	2		XDPI1-33	1HDZ728871	LCC
	Q010	3		XDQA1-26	213,801	
	PB	4	GBPQ02RCP-1 2.0mmX6C F04-GIS Q02	XDPI1-31,XDQA1-25		GIS Q02
	Q02CLM	5		XDPI1-33	1HDZ728872	LCC
	Q020	6		XDQA1-26	213,801	
	PB	7	GBPQ03RCP-1 2.0mmX6C F04-GIS Q03	XDPI1-31,XDQA1-25		GIS Q03
	Q03CLM	8		XDPI1-33	1HDZ728873	LCC
	Q030	9		XDQA1-26	213,801	
	PB	10	GBPQ04RCP-1 2.0mmX6C F04-GIS Q04	XDPI1-31,XDQA1-25		GIS Q04
	Q04CLM	11		XDPI1-33	1HDZ728874	LCC
	Q040	12		XDQA1-26	213,801	
	PB	13	GBPQ05RCP-1 2.0mmX6C F04-GIS Q05	XDPI1-31,XDQA1-25		GIS Q05
	Q05CLM	14		XDPI1-33	1HDZ728875	LCC
	Q050	15		XDQA1-26	213,801	
		RTU				
DWG.K05B FOR RTU		1	K05BQ05RCP-1 2.0mmX16C RTU-GIS Q05	XDRI3-11	1HDZ728875	GIS Q05
		2		XDRI3-12	541,542	LCC
		3		XDRI3-13		
		4		XDRI3-14		
		5		XDRI3-15		
		6		XDRI3-16		
		7		XDRI3-17		
		8		XDRI3-18		
		9		XDRI3-19		
		10		XDRI3-20		
		11		XDRI3-24		
		12		XDRI3-23		
		13		XDRI3-22		
		14		XDRI3-1,21		
		15				
		TBS				
DWG.K05A	SF4QA10	1	K05AQ05RCP-1 2.0mmX12C F04-GIS Q05	XDQA1-31	XDQA1-32 ●	GIS Q05
	SF4QA11	2		XDQA1-11	XDQA1-12 ●	LCC
	SF4QB10	3		XDQB1-31	XDQB1-32 ●	
	SF4QB11	4		XDQB1-11	XDQB1-12 ●	
	SF4QC10	5		XDQC1-31	XDQC1-32 ●	
	SF4QC11	6		XDQC1-11	XDQC1-12 ●	
	SF4QC80	7		XDQC8-31	XDQC8-32 ●	
	SF4QC81	8		XDQC8-11		
	P5B	9		XDQC8-12	XDQC8-12 ●	
	N5B	10				
		TBA				
DWG.H05 FOR 30RY-5	5ACOM ●	1				
	5ACOM ●	2				
	5ACOM ●	3				
	5ACOM ●	4				
	5ACOM ●	5				
	5ACOM ●	6				
		7				
		8				
	5A56	9				
		10				
	5A64	11				
	5A65	12				
	5A66	13				
	5A67	14				
	PA1 ●	15		RET670/X11		RCP F05
	PA1 ●	16		REF630/X329		
	PA1 ●	17	H05Q05RCP-1 2.0mmX4C	XDRI3-1	1HDZ728875	GIS Q05
	5ARF3	18		XDRI3-11~26	541~542	COLLECT
		19				
		20				
		TB10				
DWG.F05 GIS Q05 CB/DS/ES ON-OFF IND.	F4QA1G	1	F05Q05RCP-1 2.0mmX16C F04-GIS Q05	XDRI2-15	1HDZ728875	GIS Q05
	F4QA1R	2		XDRI2-16	503,504	LCC
	F4QB1G	3		XDRI2-17		
	F4QB1R	4		XDRI2-18		
	F4QC1G	5		XDRI2-19		
	F4QC1R	6		XDRI2-20		
	F4QC8G	7		XDRI2-21		
	F4QC8R	8		XDRI2-22		
	F4OFF	9		XDRI2-13		
	F4GIS	10		XDRI2-12		
	F4RCP	11		XDRI2-11		
	P5B	12		XDRI2-1		
		13				
		14				
		15				
		TB9				
DWG.E05 GIS Q05 DS/ES CLOSE-OPEN CONTROL	F4P1	1	E05Q05RCP-1 2.0mmX12C F04-GIS Q05	XDRI1-1	1HDZ728875	GIS Q05
	F4N1	2		XDRI1-5	221,224	LCC
	F4QB10P	3		XDRI1-11		
	F4QB10N	4		XDRI1-12		
	F4QB11P	5		XDRI1-13		
	F4QC10N	6		XDRI1-14		
	F4QC10P	7		XDRI1-15		
	F4QC11N	8		XDRI1-16		
	F4QC11P	9		XDRI1-17		
	F4QC80P	10		XDRI1-18		
	F4QC80N	11		XDRI1-21		
	F4QC81P	12		XDRI1-22		
	F4QC81N	13	E05Q05RCP-2 2.0mmX12C F04-GIS Q05	XDRI1-23		
	F4R1	14		XDRI1-24		
		15				
		16				
		17				
		18				
		19				
	QC8INTL1	20		XDINT1-6		
	QC8INTL2	21		XDINT1-7		
	DSINTL1	22		XDQC8-23		
	DSINTL2	23		XDQC8-24		
	DSINTL1	24	E05MVPRCP-1 2.0mmX12C 36KV MP4	XXXX-XX		36KV MP4
	DSINTL2	25		XXXX-XX		
	QC8INTL1	26		XXXX-XX		
	QC8INTL2	27		XXXX-XX		
		28				
		29				
		30				
		TB8				
DWG.L01 RCP FAN & FL		1				
		2				
	AC11	3	F04-F03	TB8-3	DWG.L01	RCP F03
	AC12	4		TB8-4		
	AC21	5		TB8-5		
	FAN1	6		TB8-6		
	FAN2	7		TB8-7		
		8				
		9				
DWG.H05 30RY-5	PA1	10	F04-F03	TB8-10	DWG.H04	RCP F03
	NA1	11		TB8-11		
	BZ	12		TB8-12		
		13				
		14				
		15				
		PT				
DWG.D05 MULTI METER	1P13	1	F04-IN01	PT-1	DWG.D04	RCP F03
	1P23	2		PT-2		
	1P33	3		PT-3		
	1PN2	4		PT-4		
		5				
		6				
		DC				
DWG.C02 RCP F04 DC SOURCE	P	1	F04-F03	DC-3	DWG.C02	RCP IN01
	N	2		DC-4		
	P	3				
	N	4				

外部設備			電纜編號&規格	RCP F04		
盤名	圖號&說明	端子板編號		右側端子板編號		圖號&說明
				TB6		
86P4 TRIP COIL1	DWG.G04A	F4T11	F04-F04	1	86P412	DWG.G05B
		TB6-27		2	86P418	FOR 86P4
86P4 TRIP COIL2		F4T21		3	86P414	
		TB6-29		4	86P416	
30RY-5 ALARM	DWG.H05	5ACOM		5	86P422	
		5A54		6	86P428	
RTU	DWG.K05C	TBSI-15		7	86P424	
		TBSI-16		8	86P426	
				9	86P432	
				10	86P438	
36KV MP4		-XC30/305A	**G05BMVPRCP-1	11	86P434	
				12	86P436	
				13		
				14		
				15		
				16		
CB QA1 ON	DWG.G05A	TB5-18	F04-F04	17	86P411	
		TB4-6		18	86P413	
36KV MP4		-XC30/351D	**G05BMVPRCP-1	19	86P415	
				20	86P417	
				21	86P421	
				22	86P423	
				23	86P425	
				24	86P427	
86P4 TRIP COIL			F04-F04	25	86P4G	
				26	86P4B	
86P4 TRIP COIL1	DWG.G05A	TB6-2		27	43P401	
		F4T12		28	43P402	
86P4 TRIP COIL2	DWG.G05A	TB6-4		29	43P403	
		F4T22		30	43P404	
RTU	DWG.K05C	TBSI-19		31	43P405	
		TBSI-20		32	43P406	
				33	43P407	
36KV MP4		-XC30/358A	**G05BMVPRCP-1	34	43P408	
				35	43P409	
				36	43P410	
RTU	DWG.K05C	TBSI-17	F04-F04	37	43P411	
		TBSI-18		38	43P412	
				39		
				40		

RCP F04			電纜編號&規格	外部設備		
圖號&說明	右側端子板編號			端子板編號	圖號&說明	盤名
	TBSI					
DWG.K05C FOR TBSI	S86T424	1				RTU
	S86T426	2				
	S43511	3				
	S43512	4				
	S43513	5				
	S43514	6				
	S43521	7				
	S32522	8				
	S43523	9				
	S43524	10				
	SSS52	11				
	SSS51	12				
	SSS53	13				
		14				
	S86P424	15				
	S86P426	16				
	S43P41	17				
	S43P42	18				
	S43P43	19				
	S43P44	20				
	S87TT11	21				
	S87TT12	22				
	S51GT11	23				
		24				
	SCOT11	25				
	SCOT12	26				
	SRYF11	27				
	SRYF12	28				
	SRYF21	29				
	SRYF22	30				
	S4387B1	31				
	S4387B2	32				
	S4387B3	33				
	S4387B4	34				
	S87BT11	35				
	S87BT12	36				
	S86B64	37				
	S86B66	38				
	SRYF31	39				
	SRYF32	40				
		41				
		42				
		43				
		44				
		45				
		46				
		47				
		48				
		49				
		50				

RCP F04			電纜編號&規格	外部設備		
圖號&說明	右側端子板編號			端子板編號	圖號&說明	盤名
		86B				
DWG.GBP FOR 86B	86B12	1	F04-F01	TB4-7	DWG.G01A	RCP F01
	86B18	2		TB4-8		
	86B14	3		TB4-9		
	86B16	4		TB4-10		
	86B22	5	F04-F02	TB4-7	DWG.G02A	RCP F02
	86B28	6		TB4-8		
	86B24	7		TB4-9		
	86B26	8		TB4-10		
	86B32	9	F04-IN01	TB4-7	DWG.G03A	RCP IN01
	86B38	10		TB4-8		
	86B34	11		TB4-9		
	86B36	12		TB4-10		
	86B42	13	F04-F03	TB4-7	DWG.G04A	RCP F03
	86B48	14		TB4-8		
	86B44	15		TB4-9		
	86B46	16		TB4-10		
	86B52	17	F04-F04	TB4-7	DWG.G05A	RCP F04
	86B58	18		TB4-8		
	86B54	19		TB4-9		
	86B56	20		TB4-10		
	86B62	21	F04-F04	5ACOM	DWG.H05	30RY-5
	86B68	22		5A55		
	86B64	23	F04-F04	TBSI-37	DWG.K05C	RTU
	86B66	24		TBSI-38		
	86B72	25				
	86B78	26				
	86B74	27				
	86B76	28				
	86B11	29	F04-F01	TB4-1	DWG.G01A	RCP F01
	86B13	30		TB4-2		
	86B21	31	F04-F02	TB4-1	DWG.G02A	RCP F02
	86B23	32		TB4-2		
	86B31	33	F04-IN01	TB4-1	DWG.G03A	RCP IN01
	86B33	34		TB4-2		
	86B41	35	F04-F04	TB4-1	DWG.G04A	RCP F03
	86B43	36		TB4-2		
	86B51	37	F04-F04	TB4-1	DWG.G05A	RCP F04
	86B53	38		TB4-2		
	86B61	39				
	86B63	40				
	86B71	41				
	86B73	42				
	86BG	43	F04-F04		DWG.GBP	86B TRIP
	86BB	44				
		45				
		46				
		47				
		48				
		49				
		50				

For Approval 2021-10-08 D
For Approval 2021-09-08 C
For Approval 2021-09-06 B
For Approval 2021-08-17 A
Issued for Rev. Derived fm Replaces

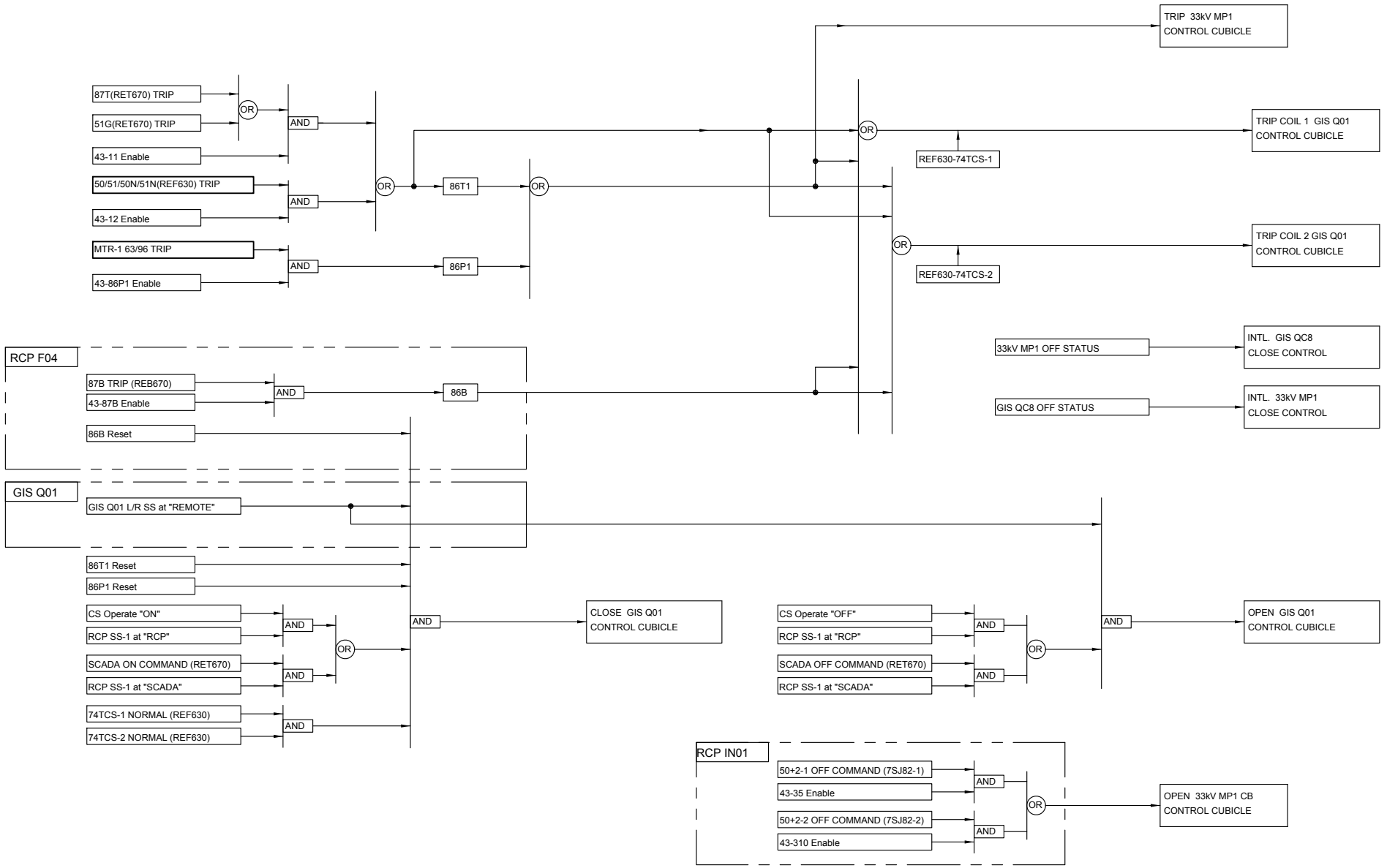
Project VENA ENERGY
161KV GIS S/S PROJECT
Customer 臺能台西

Approved by Jeff Lu Date 2021-06-18
Checked by Jeff Lu Date 2021-06-18
Prepared by Chuan Hua Date 2021-06-18

Title TERMINAL BLOCK DIAGRAM FOR RCP F04 (2)
台灣日立電網股份有限公司

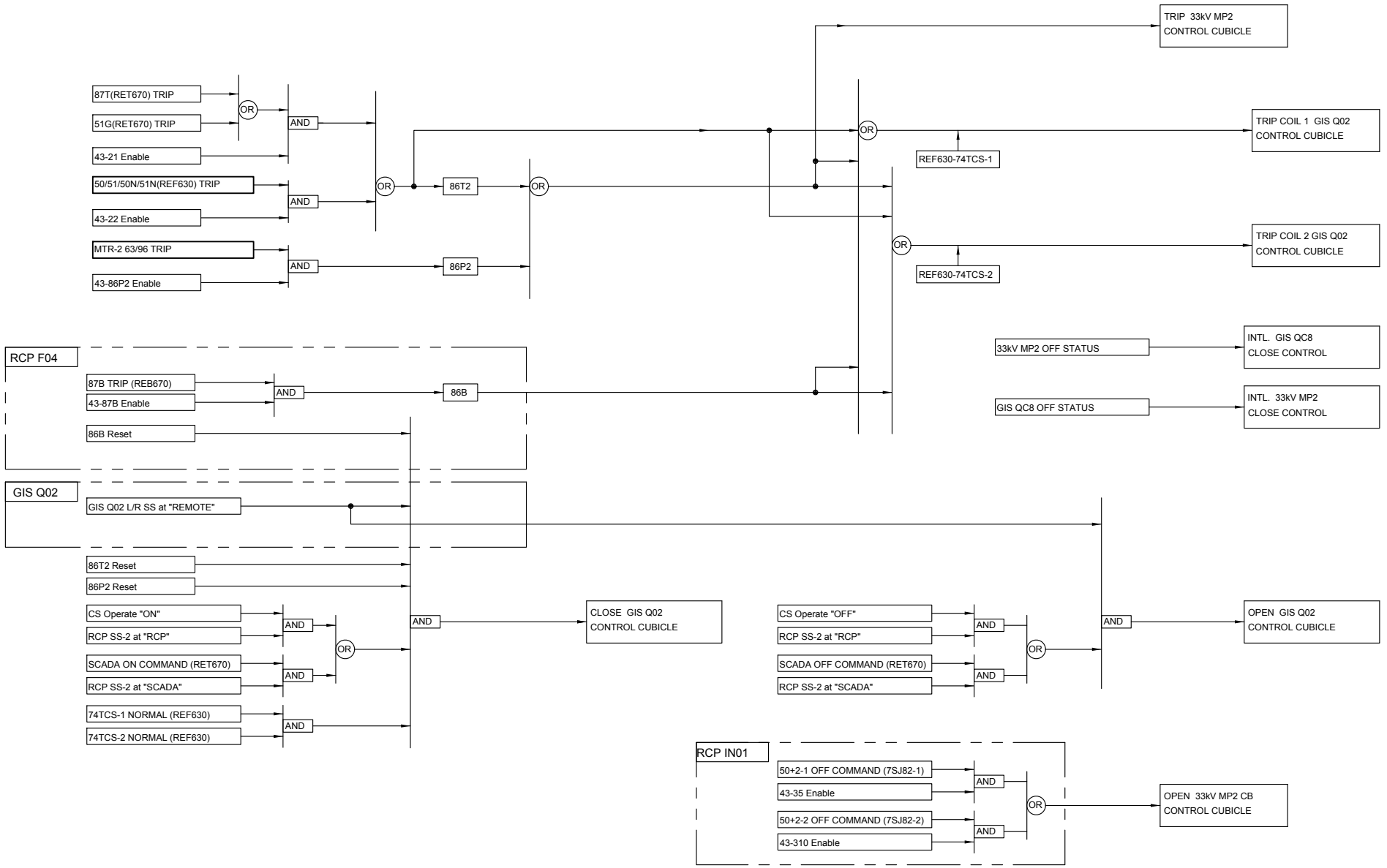
Doc. des.
Resp. dept.
Doc. No.
DWG. NO. VENA- T05B
Scale
Lang.
Sheet 1
Cont. ~

RCP F01 (Q01Bay) TRIP/CLOSE/OPEN LOGICAL DIAGRAM



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title TRIP LOGICAL DIAGRAM FOR F01 FEEDER	Doc. des. / DWG. NO. VENA- X01
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18		Resp. dept. / Scale / Lang.
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No. / Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西					Cont. ～
Issued for	Date	Rev.	Derived fm	Replaces				

RCP F02 (Q02Bay) TRIP/CLOSE/OPEN LOGICAL DIAGRAM



For Approval	2021-10-08	D	Project VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title TRIP LOGICAL DIAGRAM FOR F02 FEEDER	Doc. des. / DWG. NO. VENA- X02
For Approval	2021-09-08	C		Checked by Jeff Lu	Date 2021-06-18		Resp. dept. / Scale / Lang.
For Approval	2021-09-06	B		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No. / Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西				Cont. ～
Issued for	Date	Rev.	Derived fm / Replaces				

RCP IN01 (Q03Bay) TRIP/CLOSE/OPEN LOGICAL DIAGRAM

87L1 TRIP (7SL86-1) + 43-31 Enable → AND
DTT1 TRIP (7SL86-1) + 43-32 Enable → AND
21/21N-1 TRIP (7SL86-1) + 43-33 Enable → AND
67/67N-1 TRIP (7SL86-1) + 43-34 Enable → AND
87L2 TRIP (7SL86-2) + 43-36 Enable → AND
DTT2 TRIP (7SL86-2) + 43-37 Enable → AND
21/21N-2 TRIP (7SL86-2) + 43-38 Enable → AND
67/67N-2 TRIP (7SL86-2) + 43-39 Enable → AND

All AND outputs → OR → 86L

86L → OR → TRIP COIL 1 GIS Q03 CONTROL CUBICLE
7SJ82-1-74TCS → OR

86L → OR → TRIP COIL 2 GIS Q03 CONTROL CUBICLE
7SJ82-2-74TCS → OR

RCP F04
87B TRIP (REB670) + 43-87B Enable → AND → 86B
86B Reset

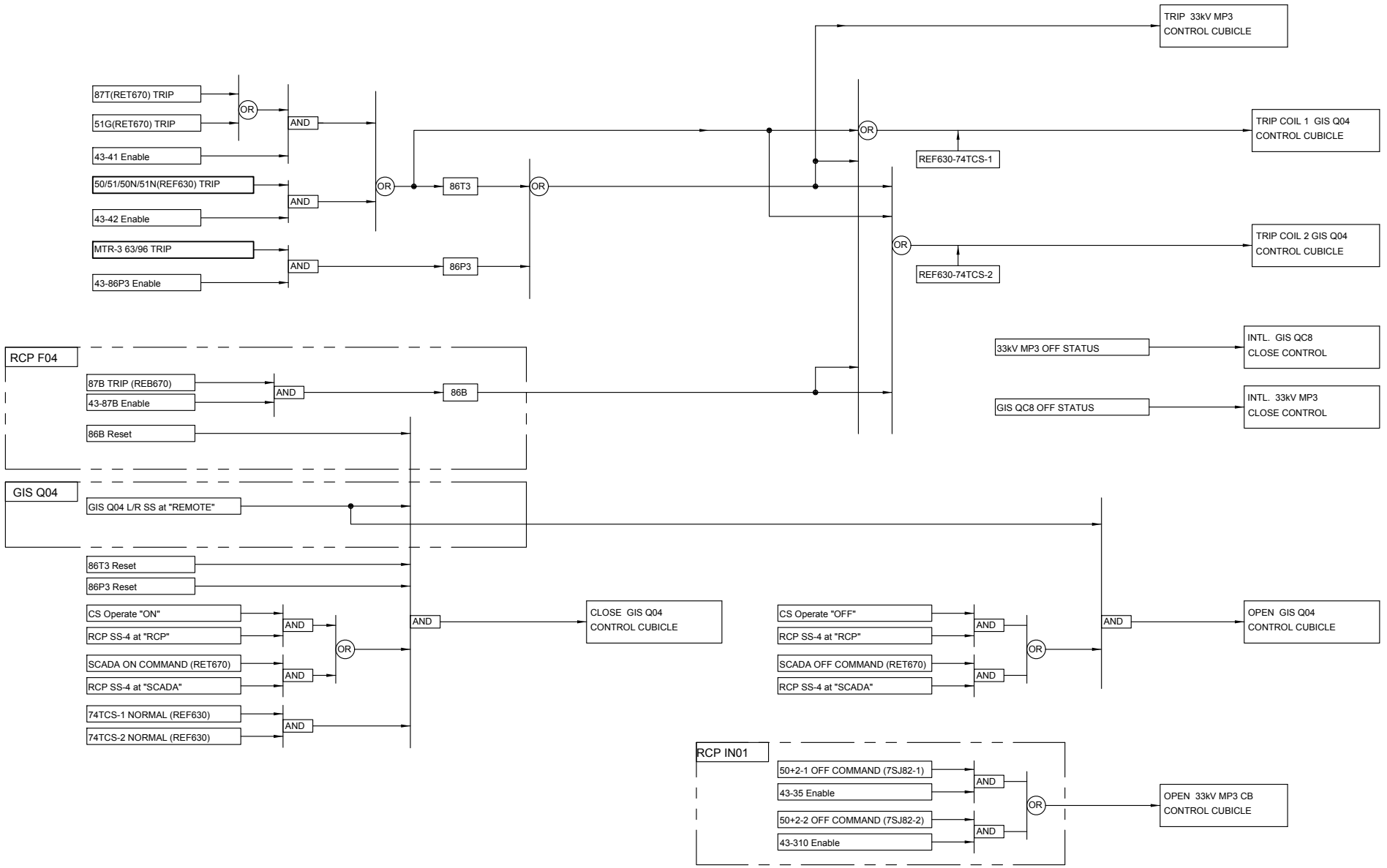
GIS Q03
GIS Q03 L/R SS at "REMOTE"
86L Reset

CS Operate "ON" + RCP SS-3 at "RCP" → AND
SCADA ON COMMAND (7SL86-2) + RCP SS-3 at "SCADA" → AND
→ OR
74TCS NORMAL (7SJ82-1) + 74TCS NORMAL (7SJ82-2) → AND
→ AND → OR → AND → CLOSE GIS Q03 CONTROL CUBICLE

CS Operate "OFF" + RCP SS-3 at "RCP" → AND
SCADA OFF COMMAND (7SL86-2) + RCP SS-3 at "SCADA" → AND
→ OR
→ AND → OR → OPEN GIS Q03 CONTROL CUBICLE

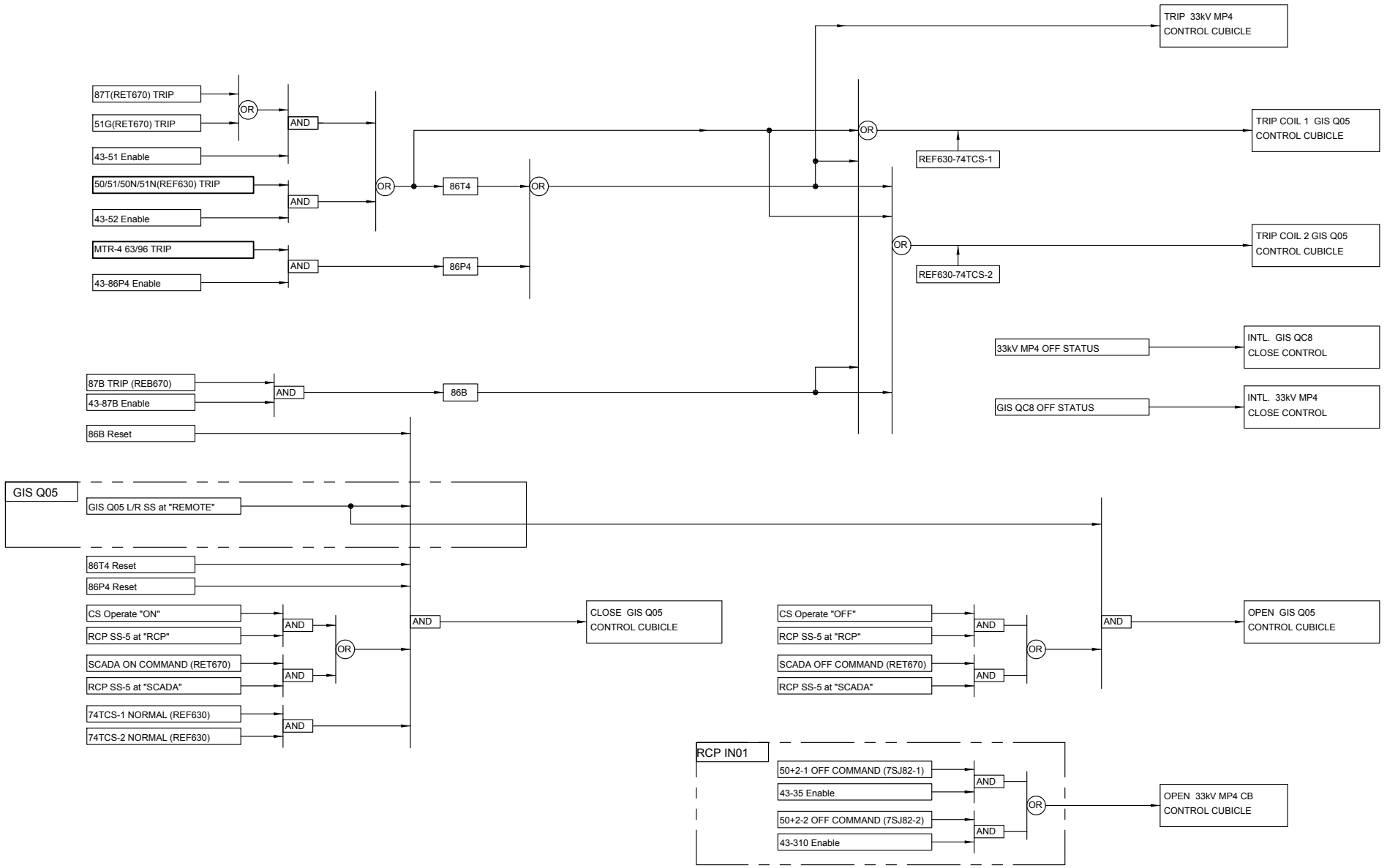
For Approval	2021-10-08	D	Project VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title TRIP LOGICAL DIAGRAM FOR IN01 FEEDER	Doc. des. / DWG. NO. VENA- X03
For Approval	2021-09-08	C		Checked by Jeff Lu	Date 2021-06-18		Resp. dept. / Scale / Lang.
For Approval	2021-09-06	B		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No. / Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西				Cont. ～
Issued for	Date	Rev.	Derived fm / Replaces				

RCP F03 (Q04Bay) TRIP/CLOSE/OPEN LOGICAL DIAGRAM



For Approval	2021-10-08	D	Project VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title TRIP LOGICAL DIAGRAM FOR F03 FEEDER	Doc. des. / DWG. NO. VENA- X04
For Approval	2021-09-08	C		Checked by Jeff Lu	Date 2021-06-18		Resp. dept. / Scale / Lang.
For Approval	2021-09-06	B		Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司	Doc. No. / Sheet 1
For Approval	2021-08-17	A	Customer 韋能台西				Cont. ～
Issued for	Date	Rev.	Derived fm / Replaces				

RCP F04 (Q05Bay) TRIP/CLOSE/OPEN LOGICAL DIAGRAM



For Approval	2021-10-08	D	Project	VENA ENERGY 161KV GIS S/S PROJECT	Approved by Jeff Lu	Date 2021-06-18	Title TRIP LOGICAL DIAGRAM FOR F04 FEEDER
For Approval	2021-09-08	C			Checked by Jeff Lu	Date 2021-06-18	
For Approval	2021-09-06	B			Prepared by Chuan Hua	Date 2021-06-18	台灣日立電網股份有限公司
For Approval	2021-08-17	A	Customer 韋能台西				
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Doc. des.	DWG. NO. VENA- X05		
Resp. dept.	Scale	Lang.	
Doc. No.		Sheet 1	
		Cont. ～	