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File: 8017SEDL11005				
Received specifications or drws.		Supplier doc. Number		Fincantieri SI doc. number
BS integration supply specification				8017SEDL11005
Rev.2	16/04/2019	AR	8017	Revisione dopo commissioning
Rev.1	30/01/2019	AR	8017	Revisione
Rev.0	04/01/2019	AR	8017	Prima emissione
Alt.	Date	Signed	Issued for Projects	Alteration description
Date	Gennaio 2019		System Engineering Document	
			Job	Hull
			8017	6136
Issued by 			Issued also for:	
			Job	Hull
			8017	6137
DIAGRAMMA MORSETTIERE				
Approved by	D.Mondo 	Drwg number	8017SEDL11005	
Checked by	S.Casini  SC	Alteration Item	2	
Issued by	A.Retti  AR			
			Enclosed sheets:	1+53
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BATTERY PACK ARRAY 1 - PORT
FZ*008BP-xxA

Code CABLE
Tag Composition (sqmm)

Diagram 1

POWER

FZ*008BP-01A				+	FZ / VFD / CS / A	H/BPA001AA	1x95	POWER UNIT PORT FZ/008QBA
				+	FZ / VFD / CS / A	H/BPA001AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA001BA	1x95	
				-	FZ / VFD / CS / A	H/BPA001BB	1x95	
FZ*008BP-02A				+	FZ / VFD / CS / A	H/BPA002AA	1x95	
				+	FZ / VFD / CS / A	H/BPA002AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA002BA	1x95	
				-	FZ / VFD / CS / A	H/BPA002BB	1x95	
FZ*008BP-03A				+	FZ / VFD / CS / A	H/BPA003AA	1x95	
				+	FZ / VFD / CS / A	H/BPA003AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA003BA	1x95	
				-	FZ / VFD / CS / A	H/BPA003BB	1x95	
FZ*008BP-04A				+	FZ / VFD / CS / A	H/BPA004AA	1x95	
				+	FZ / VFD / CS / A	H/BPA004AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA004BA	1x95	
				-	FZ / VFD / CS / A	H/BPA004BB	1x95	
FZ*008BP-05A				+	FZ / VFD / CS / A	H/BPA005AA	1x95	
				+	FZ / VFD / CS / A	H/BPA005AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA005BA	1x95	
				-	FZ / VFD / CS / A	H/BPA005BB	1x95	
FZ*008BP-06A				+	FZ / VFD / CS / A	H/BPA006AA	1x95	
				+	FZ / VFD / CS / A	H/BPA006AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA006BA	1x95	
				-	FZ / VFD / CS / A	H/BPA006BB	1x95	
FZ*008BP-07A				+	FZ / VFD / CS / A	H/BPA007AA	1x95	
				+	FZ / VFD / CS / A	H/BPA007AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA007BA	1x95	
				-	FZ / VFD / CS / A	H/BPA007BB	1x95	
FZ*008BP-08A				+	FZ / VFD / CS / A	H/BPA008AA	1x95	
				+	FZ / VFD / CS / A	H/BPA008AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA008BA	1x95	
				-	FZ / VFD / CS / A	H/BPA008BB	1x95	
FZ*008BP-09A				+	FZ / VFD / CS / A	H/BPA009AA	1x95	
				+	FZ / VFD / CS / A	H/BPA009AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA009BA	1x95	
				-	FZ / VFD / CS / A	H/BPA009BB	1x95	
FZ*008BP-10A				+	FZ / VFD / CS / A	H/BPA010AA	1x95	
				+	FZ / VFD / CS / A	H/BPA010AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA010BA	1x95	
				-	FZ / VFD / CS / A	H/BPA010BB	1x95	
FZ*008BP-11A				+	FZ / VFD / CS / A	H/BPA011AA	1x95	
				+	FZ / VFD / CS / A	H/BPA011AB	1x95	
				SHIELD				
				-	FZ / VFD / CS / A	H/BPA011BA	1x95	
				-	FZ / VFD / CS / A	H/BPA011BB	1x95	

NOTE: PULL DC CABLES AS SHOWN BELOW



BATTERY PACK ARRAY 2 - PORT
FZ*008BP-xxA

Code CABLE
Tag Composition (sqmm)

Diagram 2

POWER

FZ*008BP-12A				+	FZ / VFD / CS /A	H/BPA012AA	1x95	POWER UNIT PORT FZ/008QBA
				+	FZ / VFD / CS /A	H/BPA012AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA012BA	1x95	
				-	FZ / VFD / CS /A	H/BPA012BB	1x95	
FZ*008BP-13A				+	FZ / VFD / CS /A	H/BPA013AA	1x95	
				+	FZ / VFD / CS /A	H/BPA013AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA013BA	1x95	
				-	FZ / VFD / CS /A	H/BPA013BB	1x95	
FZ*008BP-14A				+	FZ / VFD / CS /A	H/BPA014AA	1x95	
				+	FZ / VFD / CS /A	H/BPA014AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA014BA	1x95	
				-	FZ / VFD / CS /A	H/BPA014BB	1x95	
FZ*008BP-15A				+	FZ / VFD / CS /A	H/BPA015AA	1x95	
				+	FZ / VFD / CS /A	H/BPA015AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA015BA	1x95	
				-	FZ / VFD / CS /A	H/BPA015BB	1x95	
FZ*008BP-16A				+	FZ / VFD / CS /A	H/BPA016AA	1x95	
				+	FZ / VFD / CS /A	H/BPA016AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA016BA	1x95	
				-	FZ / VFD / CS /A	H/BPA016BB	1x95	
FZ*008BP-17A				+	FZ / VFD / CS /A	H/BPA017AA	1x95	
				+	FZ / VFD / CS /A	H/BPA017AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA017BA	1x95	
				-	FZ / VFD / CS /A	H/BPA017BB	1x95	
FZ*008BP-18A				+	FZ / VFD / CS /A	H/BPA018AA	1x95	
				+	FZ / VFD / CS /A	H/BPA018AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA018BA	1x95	
				-	FZ / VFD / CS /A	H/BPA018BB	1x95	
FZ*019BP-19A				+	FZ / VFD / CS /A	H/BPA019AA	1x95	
				+	FZ / VFD / CS /A	H/BPA019AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA019BA	1x95	
				-	FZ / VFD / CS /A	H/BPA019BB	1x95	
FZ*008BP-20A				+	FZ / VFD / CS /A	H/BPA020AA	1x95	
				+	FZ / VFD / CS /A	H/BPA020AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA020BA	1x95	
				-	FZ / VFD / CS /A	H/BPA020BB	1x95	
FZ*008BP-021A				+	FZ / VFD / CS /A	H/BPA0021AA	1x95	
				+	FZ / VFD / CS /A	H/BPA0021AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA0021BA	1x95	
				-	FZ / VFD / CS /A	H/BPA0021BB	1x95	
FZ*008BP-022A				+	FZ / VFD / CS /A	H/BPA0022AA	1x95	
				+	FZ / VFD / CS /A	H/BPA0022AB	1x95	
				SHIELD				
				-	FZ / VFD / CS /A	H/BPA0022BA	1x95	
				-	FZ / VFD / CS /A	H/BPA0022BB	1x95	

NOTE: PULL DC CABLES AS SHOWN BELOW



BATTERY PACK ARRAY 1 - STARBOARD
FZ*008BP-xxB

Code CABLE
Tag Composition (sqmm)

Diagram 3

POWER

FZ*008BP-01B			+	FZ / VFD / CS / A	H/BP8001AA	1x95	POWER UNIT STARBOARD FZ/008QB8
			+	FZ / VFD / CS / A	H/BP8001AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8001BA	1x95	
			-	FZ / VFD / CS / A	H/BP8001BB	1x95	
FZ*008BP-02B			+	FZ / VFD / CS / A	H/BP8002AA	1x95	
			+	FZ / VFD / CS / A	H/BP8002AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8002BA	1x95	
			-	FZ / VFD / CS / A	H/BP8002BB	1x95	
FZ*008BP-03B			+	FZ / VFD / CS / A	H/BP8003AA	1x95	
			+	FZ / VFD / CS / A	H/BP8003AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8003BA	1x95	
			-	FZ / VFD / CS / A	H/BP8003BB	1x95	
FZ*008BP-04B			+	FZ / VFD / CS / A	H/BP8004AA	1x95	
			+	FZ / VFD / CS / A	H/BP8004AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8004BA	1x95	
			-	FZ / VFD / CS / A	H/BP8004BB	1x95	
FZ*008BP-05B			+	FZ / VFD / CS / A	H/BP8005AA	1x95	
			+	FZ / VFD / CS / A	H/BP8005AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8005BA	1x95	
			-	FZ / VFD / CS / A	H/BP8005BB	1x95	
FZ*008BP-06B			+	FZ / VFD / CS / A	H/BP8006AA	1x95	
			+	FZ / VFD / CS / A	H/BP8006AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8006BA	1x95	
			-	FZ / VFD / CS / A	H/BP8006BB	1x95	
FZ*008BP-07B			+	FZ / VFD / CS / A	H/BP8007AA	1x95	
			+	FZ / VFD / CS / A	H/BP8007AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8007BA	1x95	
			-	FZ / VFD / CS / A	H/BP8007BB	1x95	
FZ*008BP-08B			+	FZ / VFD / CS / A	H/BP8008AA	1x95	
			+	FZ / VFD / CS / A	H/BP8008AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8008BA	1x95	
			-	FZ / VFD / CS / A	H/BP8008BB	1x95	
FZ*008BP-09B			+	FZ / VFD / CS / A	H/BP8009AA	1x95	
			+	FZ / VFD / CS / A	H/BP8009AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8009BA	1x95	
			-	FZ / VFD / CS / A	H/BP8009BB	1x95	
FZ*008BP-10B			+	FZ / VFD / CS / A	H/BP8010AA	1x95	
			+	FZ / VFD / CS / A	H/BP8010AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP8010BA	1x95	
			-	FZ / VFD / CS / A	H/BP8010BB	1x95	
FZ*008BP-011B			+	FZ / VFD / CS / A	H/BP80011AA	1x95	
			+	FZ / VFD / CS / A	H/BP80011AB	1x95	
			SHIELD				
			-	FZ / VFD / CS / A	H/BP80011BA	1x95	
			-	FZ / VFD / CS / A	H/BP80011BB	1x95	

NOTE: PULL DC CABLES AS SHOWN BELOW



BATTERY PACK ARRAY 2 - STARBOARD
FZ*008BP-xxB

Code CABLE
Tag Composition (sqmm)

Diagram 4

POWER

FZ*008BP-12B			+		FZ / VFD / CS /A	H/BP8012AA	1x95	POWER UNIT STARBOARD FZ/008QB8
			+		FZ / VFD / CS /A	H/BP8012AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP8012BA	1x95	
			-		FZ / VFD / CS /A	H/BP8012BB	1x95	
FZ*008BP-13B			+		FZ / VFD / CS /A	H/BP8013AA	1x95	
			+		FZ / VFD / CS /A	H/BP8013AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP8013BA	1x95	
			-		FZ / VFD / CS /A	H/BP8013BB	1x95	
FZ*008BP-14B			+		FZ / VFD / CS /A	H/BP8014AA	1x95	
			+		FZ / VFD / CS /A	H/BP8014AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP8014BA	1x95	
			-		FZ / VFD / CS /A	H/BP8014BB	1x95	
FZ*008BP-15B			+		FZ / VFD / CS /A	H/BP8015AA	1x95	
			+		FZ / VFD / CS /A	H/BP8015AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP8015BA	1x95	
			-		FZ / VFD / CS /A	H/BP8015BB	1x95	
FZ*008BP-16B			+		FZ / VFD / CS /A	H/BP8016AA	1x95	
			+		FZ / VFD / CS /A	H/BP8016AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP8016BA	1x95	
			-		FZ / VFD / CS /A	H/BP8016BB	1x95	
FZ*008BP-17B			+		FZ / VFD / CS /A	H/BP8017AA	1x95	
			+		FZ / VFD / CS /A	H/BP8017AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP8017BA	1x95	
			-		FZ / VFD / CS /A	H/BP8017BB	1x95	
FZ*008BP-18B			+		FZ / VFD / CS /A	H/BP8018AA	1x95	
			+		FZ / VFD / CS /A	H/BP8018AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP8018BA	1x95	
			-		FZ / VFD / CS /A	H/BP8018BB	1x95	
FZ*019BP-19B			+		FZ / VFD / CS /A	H/BP8019AA	1x95	
			+		FZ / VFD / CS /A	H/BP8019AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP8019BA	1x95	
			-		FZ / VFD / CS /A	H/BP8019BB	1x95	
FZ*008BP-20B			+		FZ / VFD / CS /A	H/BP8020AA	1x95	
			+		FZ / VFD / CS /A	H/BP8020AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP8020BA	1x95	
			-		FZ / VFD / CS /A	H/BP8020BB	1x95	
FZ*008BP-021B			+		FZ / VFD / CS /A	H/BP80021AA	1x95	
			+		FZ / VFD / CS /A	H/BP80021AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP80021BA	1x95	
			-		FZ / VFD / CS /A	H/BP80021BB	1x95	
FZ*008BP-022B			+		FZ / VFD / CS /A	H/BP80022AA	1x95	
			+		FZ / VFD / CS /A	H/BP80022AB	1x95	
			SHIELD					
			-		FZ / VFD / CS /A	H/BP80022BA	1x95	
			-		FZ / VFD / CS /A	H/BP80022BB	1x95	

NOTE: PULL DC CABLES AS SHOWN BELOW



MAIN SWITCHBOARD (XA/872)
COLUMN 0 - FZ/008QPA

Code CABLE
Tag Composition (sqmm)

Diagram 5

POWER

690V Main Power Supply CB109	Phase L1 Busbar				FZ / CS / A	H/0000009AAA	1x240	Transformer Port FZ/008TFA
					FZ / CS / A	H/0000009AAB	1x240	
					FZ / CS / A	H/0000009AAC	1x240	
					FZ / CS / A	H/0000009AAD	1x240	
					FZ / CS / A	H/0000009AAE	1x240	
690V Main Power Supply CB109	Phase L2 Busbar				FZ / CS / A	H/0000009AAF	1x240	
					FZ / CS / A	H/0000009AAG	1x240	
					FZ / CS / A	H/0000009AAH	1x240	
					FZ / CS / A	H/0000009AAI	1x240	
					FZ / CS / A	H/0000009AAJ	1x240	
690V Main Power Supply CB109	Phase L3 Busbar				FZ / CS / A	H/0000009AAK	1x240	
					FZ / CS / A	H/0000009AAL	1x240	
					FZ / CS / A	H/0000009AAM	1x240	
					FZ / CS / A	H/0000009AAN	1x240	
					FZ / CS / A	H/0000009AAO	1x240	
690V Premag Power Supply CB191			L1	U	FZ / N / A	H/0000009ADA	3x25	
			L2	V				
			L3	W				
230V Space Heaters Power Supply	X/109		62	L	FZ / N / A	H/0000009AFA	2x1,5	
			63	N				
690V Voltage Measurement CB109			X/L1	U	FZ / S / A	H/0000009AEA	3x2,5	POWER UNIT PORT FZ/008QBA
			X/L2	V				
			X/L3	W				

MAIN SWITCHBOARD (XA/872)
COLUMN 16 - FZ/008QPB

Code CABLE
Tag Composition (sqmm)

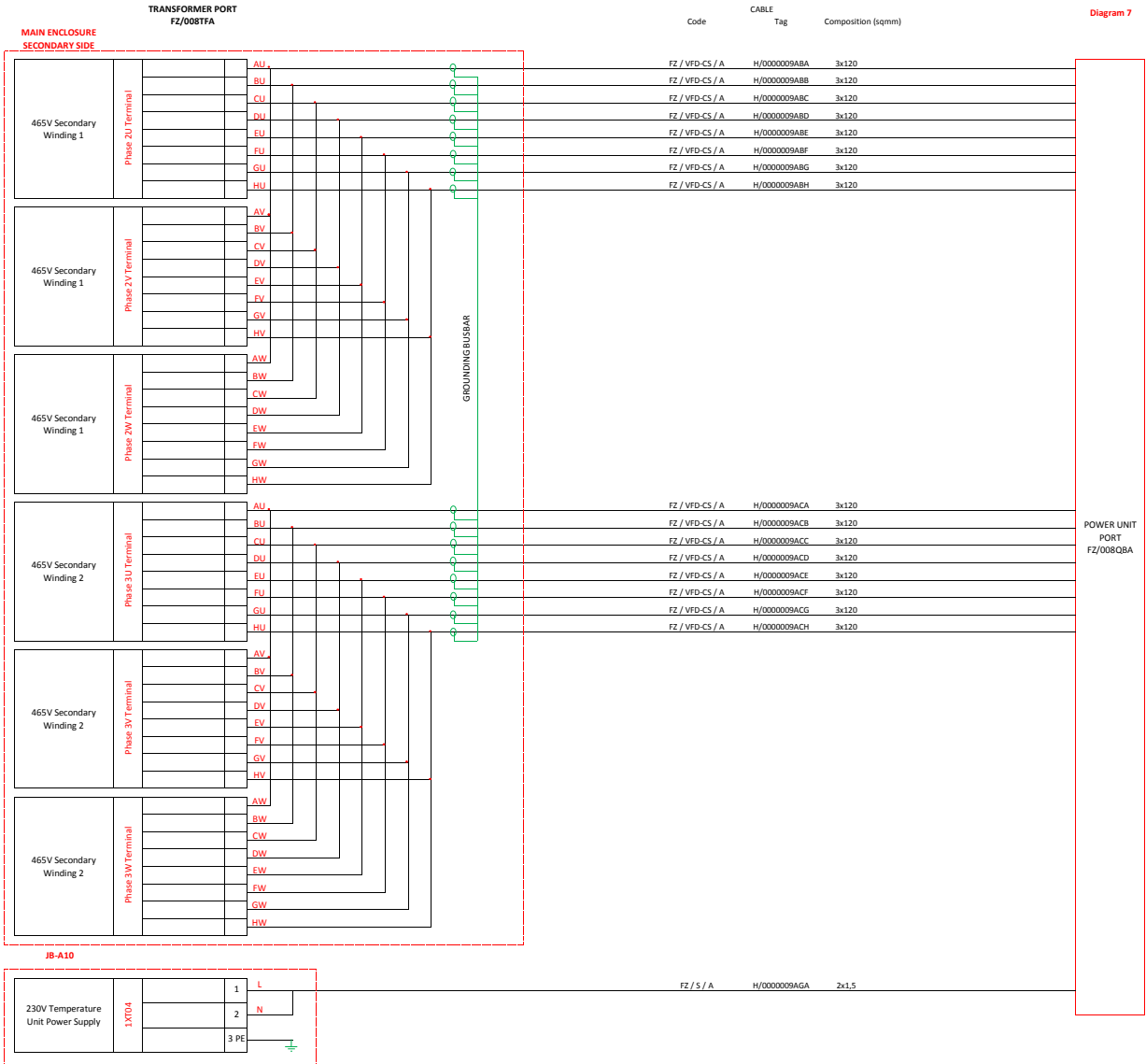
Diagram 6

POWER

690V Main Power Supply CB108	Phase L1 Busbar				FZ / CS / A	H/0000008AAA	1x240	Transformer STARBOARD FZ/008TFB
					FZ / CS / A	H/0000008AAB	1x240	
					FZ / CS / A	H/0000008AAC	1x240	
					FZ / CS / A	H/0000008AAD	1x240	
					FZ / CS / A	H/0000008AAE	1x240	
690V Main Power Supply CB108	Phase L2 Busbar				FZ / CS / A	H/0000008AAF	1x240	
					FZ / CS / A	H/0000008AAG	1x240	
					FZ / CS / A	H/0000008AAH	1x240	
					FZ / CS / A	H/0000008AAI	1x240	
					FZ / CS / A	H/0000008AAJ	1x240	
690V Main Power Supply CB108	Phase L3 Busbar				FZ / CS / A	H/0000008AAK	1x240	
					FZ / CS / A	H/0000008AAL	1x240	
					FZ / CS / A	H/0000008AAM	1x240	
					FZ / CS / A	H/0000008AAN	1x240	
					FZ / CS / A	H/0000008AAO	1x240	
690V Premag Power Supply CB184			L1	U	FZ / N / A	H/0000008ADA	3x25	
			L2	V				
			L3	W				
230V Space Heaters Power Supply	X/108		62	L	FZ / N / A	H/0000008AFA	2x1,5	
			63	N				
690V Voltage Measurement CB108			X/L1	U	FZ / S / A	H/0000008AEA	3x2,5	POWER UNIT STARBOARD FZ/008QBB
			X/L2	V				
			X/L3	W				

Diagram 7





TRANSFORMER STARBOARD
FZ/008TFB

Code CABLE
Tag Composition (sqmm)

Diagram 8

MAIN ENCLOSURE
PRIMARY SIDE

690V Primary Winding	Phase 1V Terminal			
690V Primary Winding	Phase 1V Terminal			
690V Primary Winding	Phase 1W Terminal			

FZ / CS / A	H/0000008AAA	1x240
FZ / CS / A	H/0000008AAB	1x240
FZ / CS / A	H/0000008AAC	1x240
FZ / CS / A	H/0000008AAD	1x240
FZ / CS / A	H/0000008AAE	1x240
FZ / CS / A	H/0000008AAF	1x240
FZ / CS / A	H/0000008AAG	1x240
FZ / CS / A	H/0000008AAH	1x240
FZ / CS / A	H/0000008AAI	1x240
FZ / CS / A	H/0000008AAJ	1x240
FZ / CS / A	H/0000008AAK	1x240
FZ / CS / A	H/0000008AAL	1x240
FZ / CS / A	H/0000008AAM	1x240
FZ / CS / A	H/0000008AAN	1x240
FZ / CS / A	H/0000008AAO	1x240

Main Switchboard
(IA/1072)
Column 16
FZ/008QPB

Grounding Terminal	PE	
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Y/G GROUNDING 1 x 70
Y/G GROUNDING 1 x 70

J8-A11

690V Premag Power Supply	-2XT07		1	U
			2	V
			3	W
230V Space Heaters Power Supply	2XT06		1	L
			2	N
			PE	
			3	
			4	
			PE	
			5	
			6	
			PE	
			7	
			8	
			PE	
			9	
			10	
			PE	
			11	
			12	
			PE	

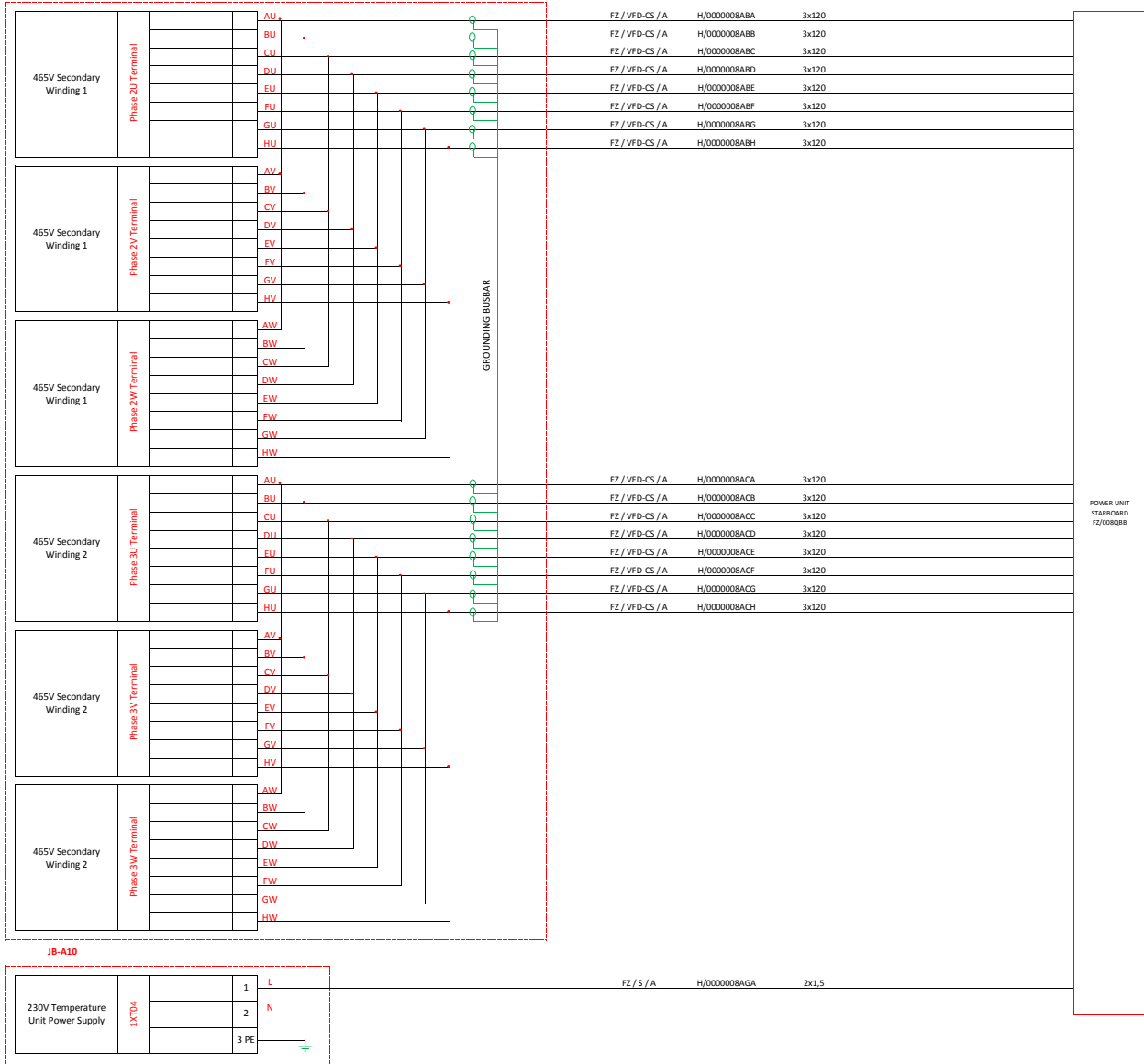
FZ / N / A	H/0000008ADA	3x25
FZ / N / A	H/0000008AFA	2x1.5

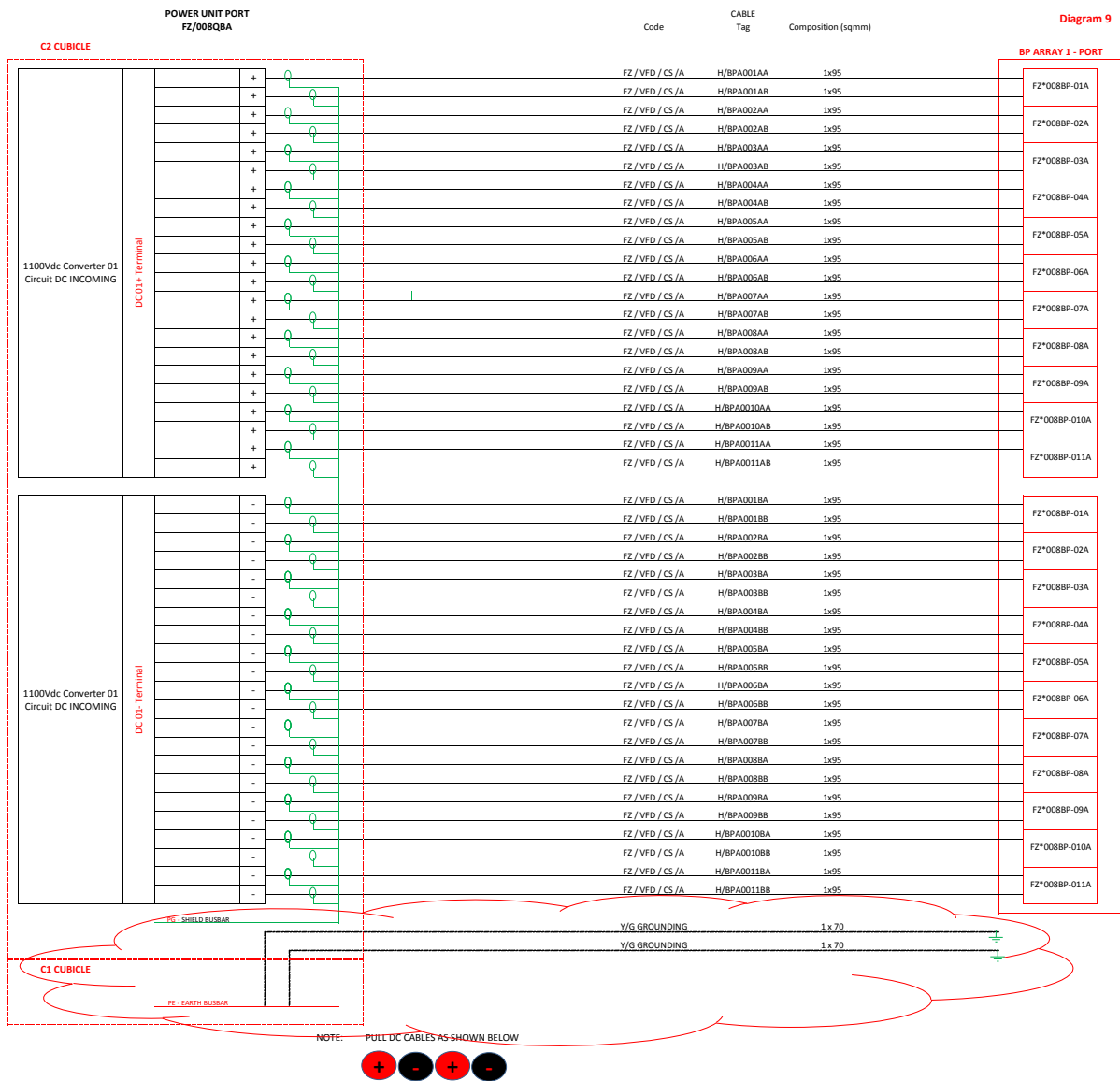
TRANSFORMER STARBOARD
FZ/008TFB

Code CABLE
Tag Tag Composition (sqmm)

Diagram 8

MAIN ENCLOSURE
SECONDARY SIDE



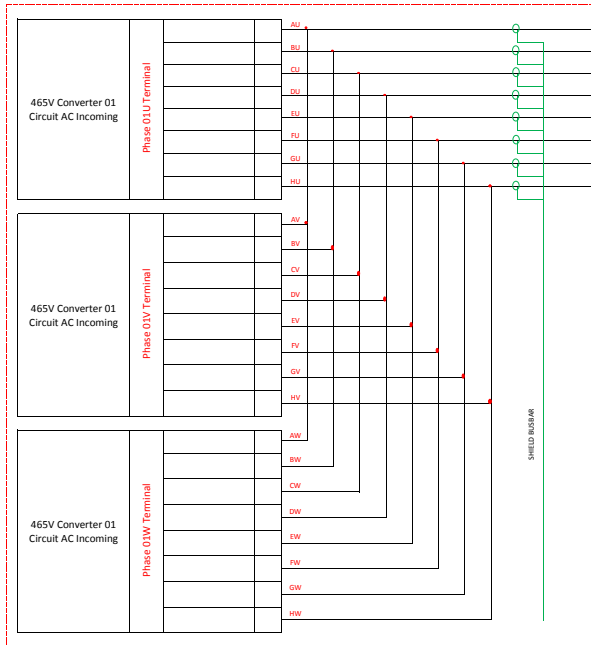


POWER UNIT PORT
FZ/008QBA

Code CABLE
Tag Composition (sqmm)

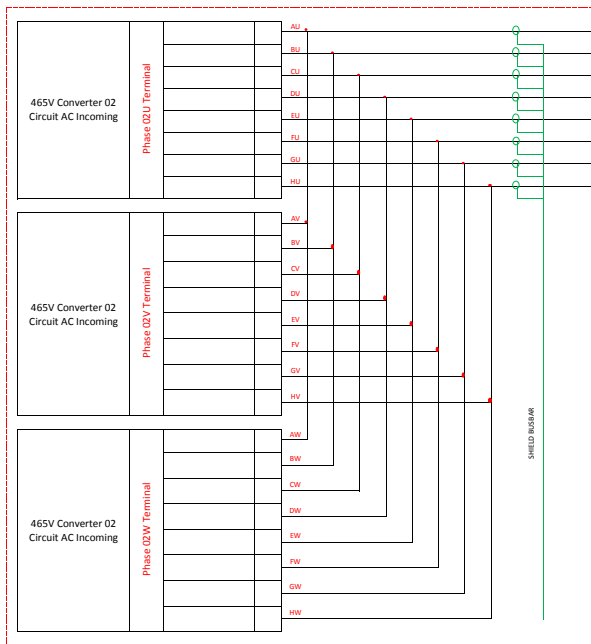
Diagram 9

B1 CUBICLE



FZ / VFD-CS / A	H/0000009ABA	3x120
FZ / VFD-CS / A	H/0000009ABB	3x120
FZ / VFD-CS / A	H/0000009ABC	3x120
FZ / VFD-CS / A	H/0000009ABD	3x120
FZ / VFD-CS / A	H/0000009ABE	3x120
FZ / VFD-CS / A	H/0000009ABF	3x120
FZ / VFD-CS / A	H/0000009ABG	3x120
FZ / VFD-CS / A	H/0000009ABH	3x120

D1 CUBICLE



FZ / VFD-CS / A	H/0000009ACA	3x120
FZ / VFD-CS / A	H/0000009ACB	3x120
FZ / VFD-CS / A	H/0000009ACC	3x120
FZ / VFD-CS / A	H/0000009ACD	3x120
FZ / VFD-CS / A	H/0000009ACE	3x120
FZ / VFD-CS / A	H/0000009ACF	3x120
FZ / VFD-CS / A	H/0000009ACG	3x120
FZ / VFD-CS / A	H/0000009ACH	3x120

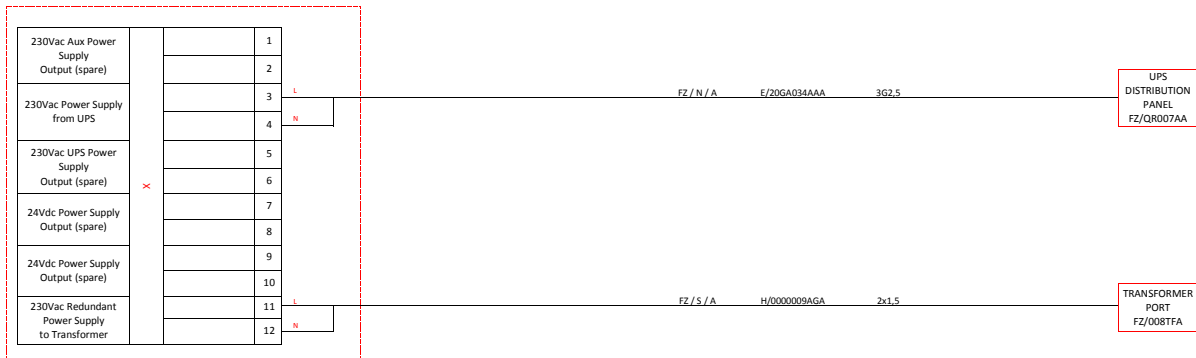
TRANSFORMER
PORT
FZ/008TFA

POWER UNIT PORT
FZ/008QBA

Code CABLE
Tag Tag Composition (sqmm)

Diagram 9

A1 CUBICLE

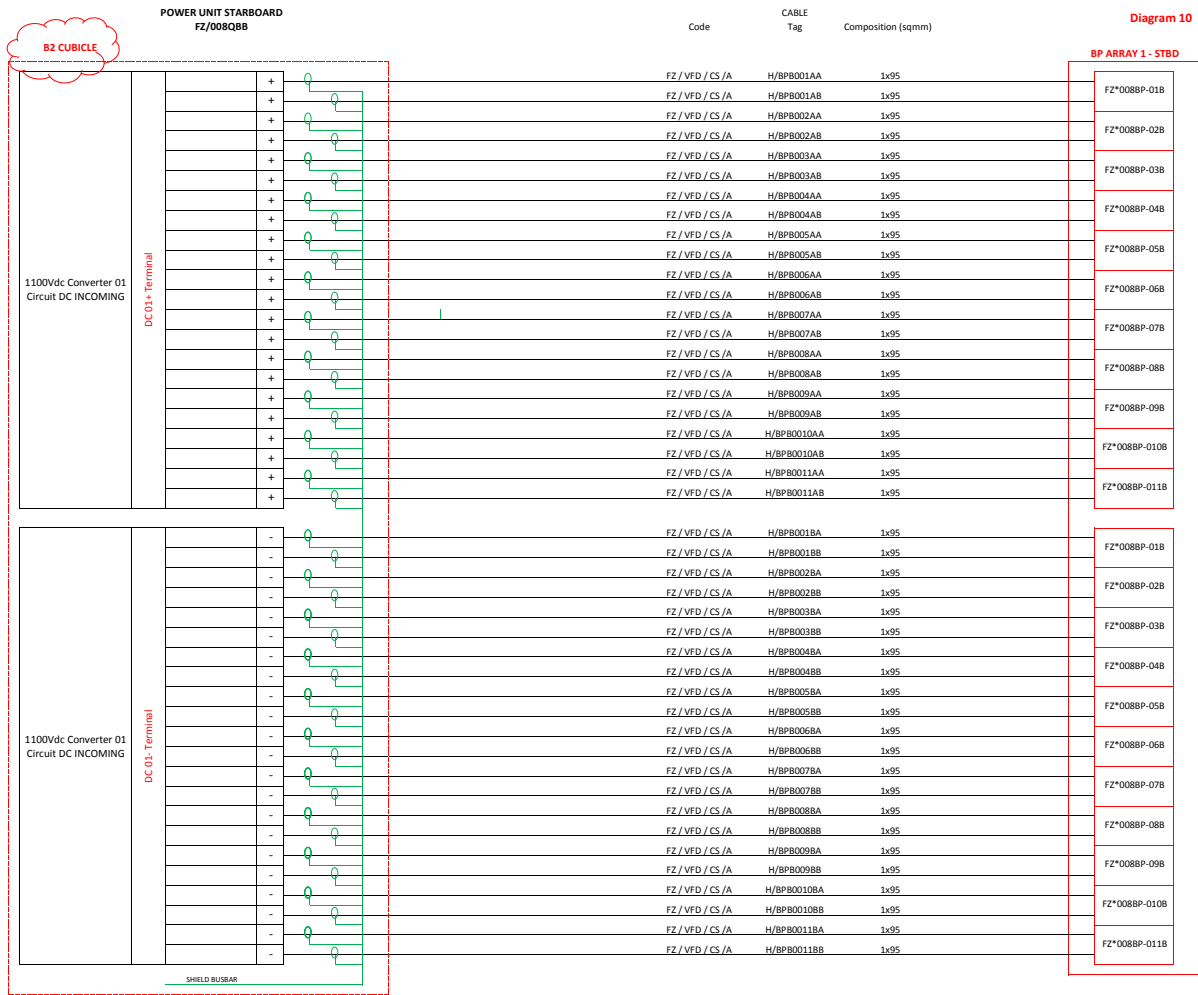


B1 CUBICLE



B1 CUBICLE

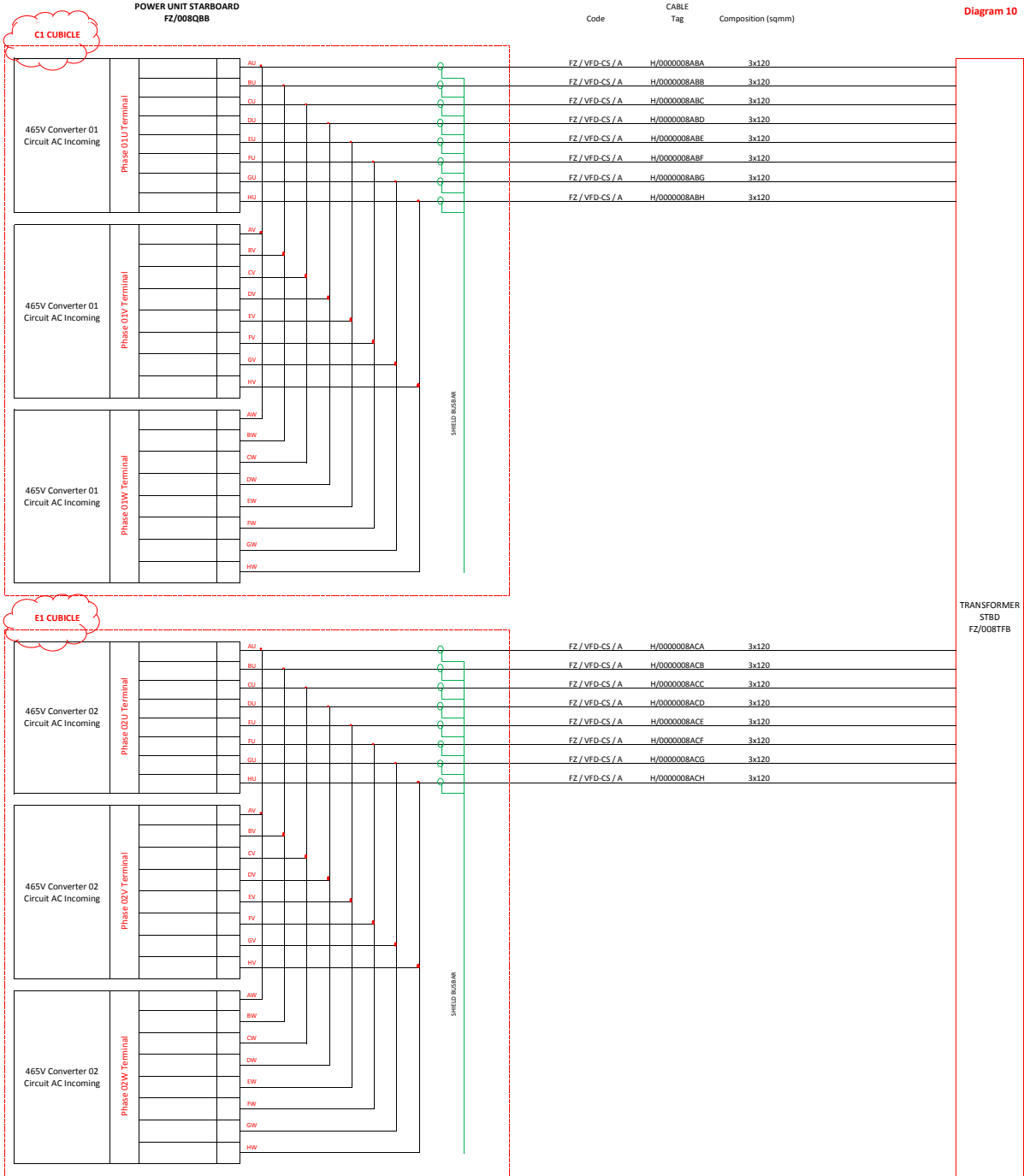


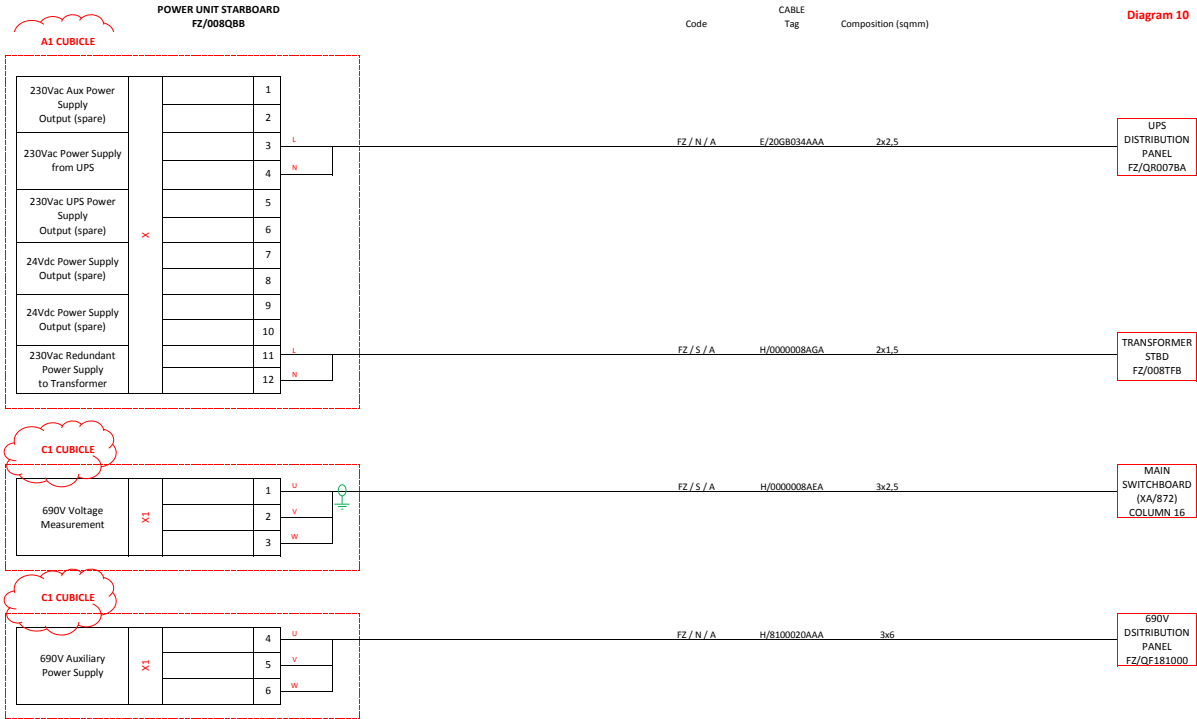


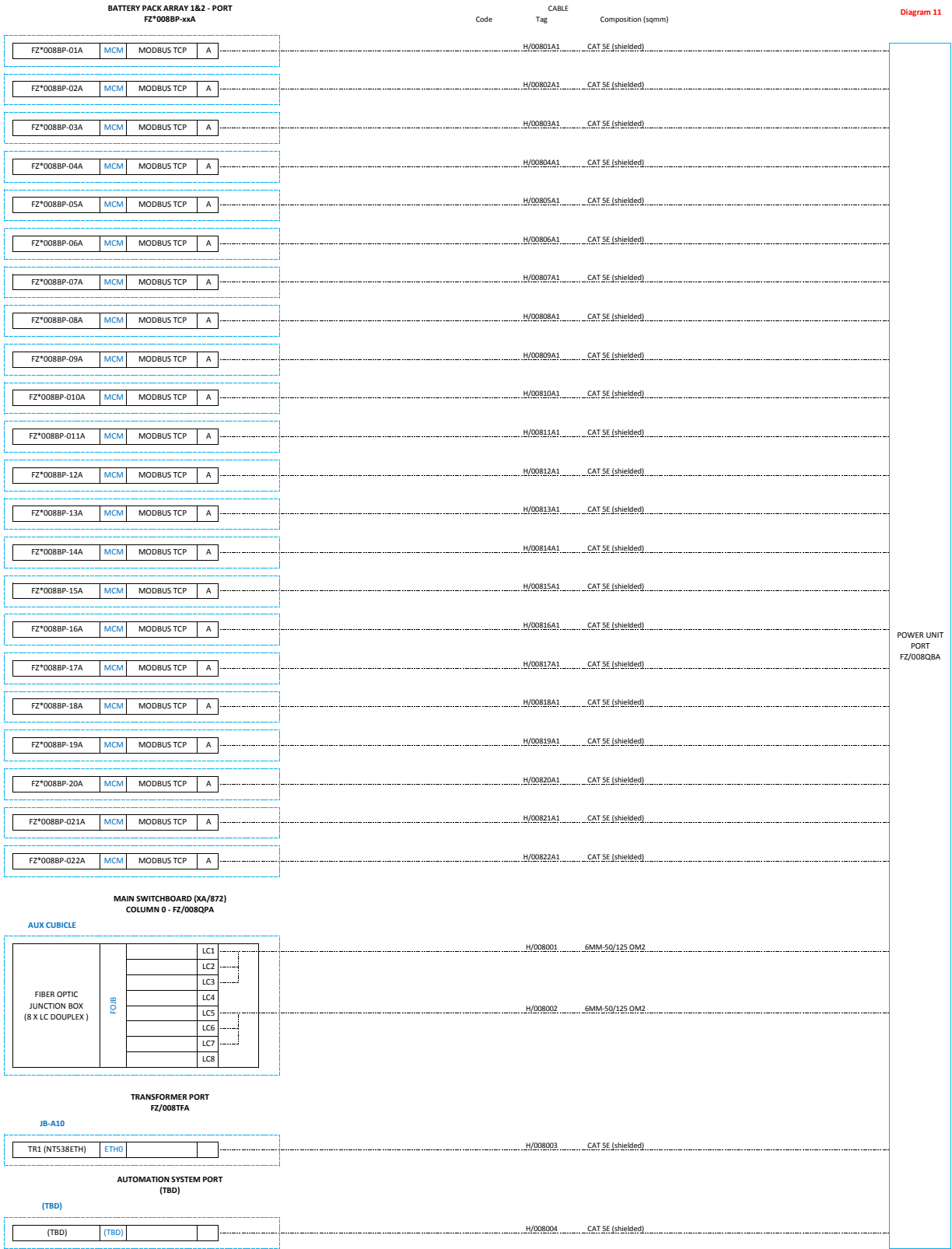
NOTE: PULL DC CABLES AS SHOWN BELOW











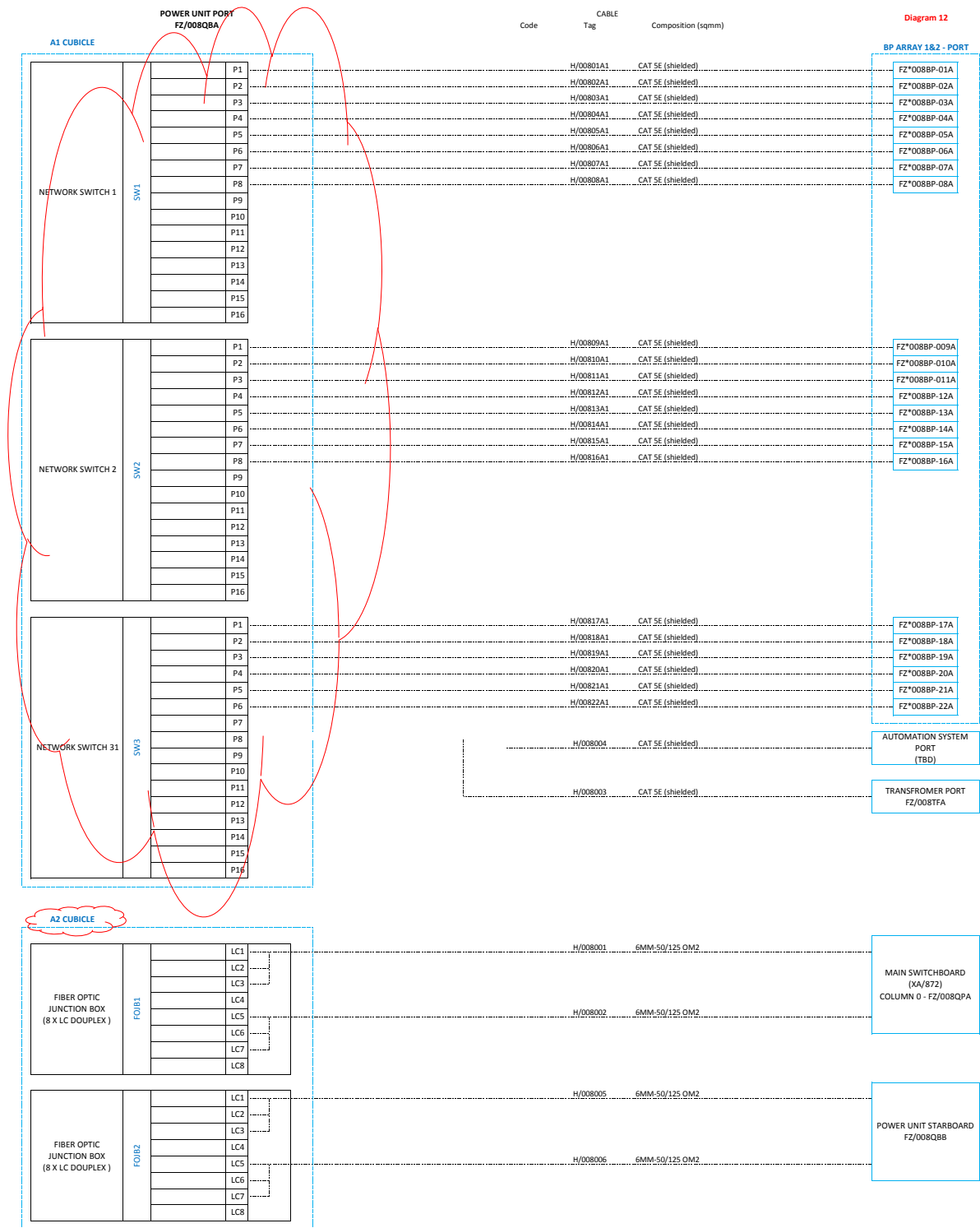
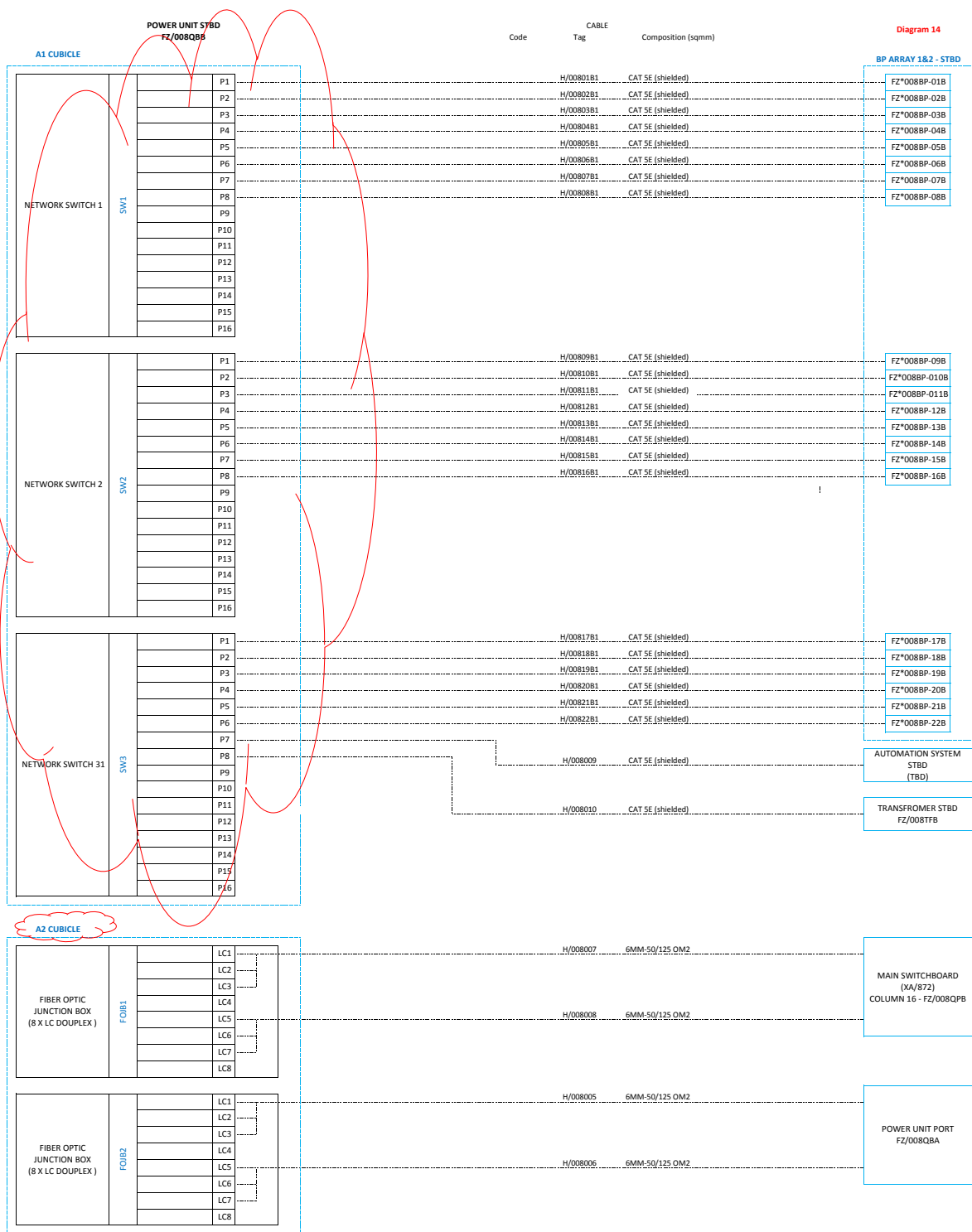


Diagram 12

Diagram 13

POWER UNIT
STBD
FZ/008QBB



BATTERY PACK ARRAY 1 - PORT
FZ*008BP-xxA

Code CABLE
Tag Tag
Composition (sqmm)

Diagram 15

FZ*008BP-01A

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	1
		COMMON	3	4
WARNING RELAY OUT		NO	4	
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
ESTOP		ESTOP REF IN	15	1
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
24VDC ISO		ESTOP SGNL OUT	18	2
		RTN	19	
		BLKSTART KEY ON	20	
RESERVED		ISO GND	21	
		ISO 24V ETH PWR	22	
		CHASSIS	23	

FZ / NCS / B1 H/00801A2 4X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/00801A3 2X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/008011 2X1,5

FZ / NCS / B1 H/008012 3X1,5

FZ*008BP-02A

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	1
		COMMON	3	4
WARNING RELAY OUT		NO	4	
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
ESTOP		ESTOP REF IN	15	3
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
24VDC ISO		ESTOP SGNL OUT	18	2
		RTN	19	
		BLACKSTART KEY ON	20	
RESERVED		ISO GND	21	
		ISO 24V ETH PWR	22	
		CHASSIS	23	

FZ / NCS / B1 H/00802A2 4X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/00802A3 2X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/008012 3X1,5

FZ / NCS / B1 H/008013 3X1,5

FZ*008BP-03A

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	1
		COMMON	3	4
WARNING RELAY OUT		NO	4	
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
ESTOP		ESTOP REF IN	15	3
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
24VDC ISO		ESTOP SGNL OUT	18	2
		RTN	19	
		BLACKSTART KEY ON	20	
RESERVED		ISO GND	21	
		ISO 24V ETH PWR	22	
		CHASSIS	23	

FZ / NCS / B1 H/00803A2 4X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/00803A3 2X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/008013 3X1,5

FZ / NCS / B1 H/008014 3X1,5

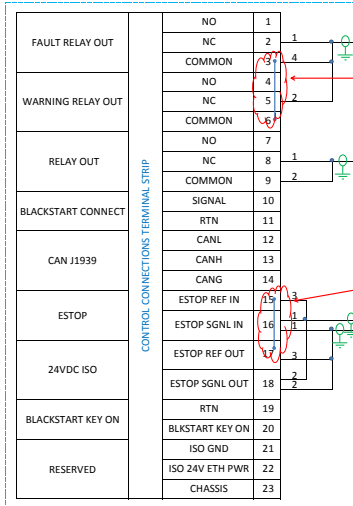
POWER UNIT
PORT
FZ/008QBA

BATTERY PACK ARRAY 1 - PORT
FZ*008BP-xxA

Code CABLE
Tag Tag
Composition (sqmm)

Diagram 15

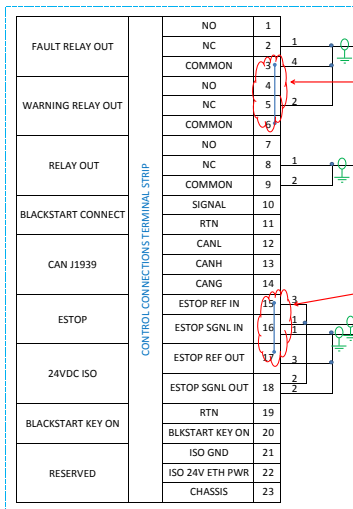
FZ*008BP-04A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

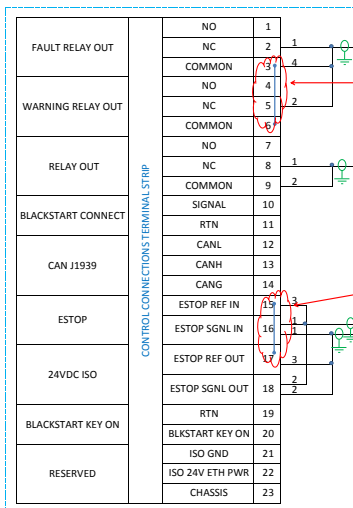
FZ*008BP-05A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

FZ*008BP-06A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

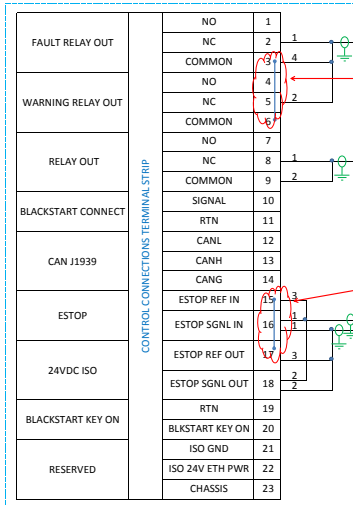
POWER UNIT
PORT
FZ/008Q8A

BATTERY PACK ARRAY 1 - PORT
FZ*008BP-xxA

Code CABLE
Tag Tag
Composition (sqmm)

Diagram 15

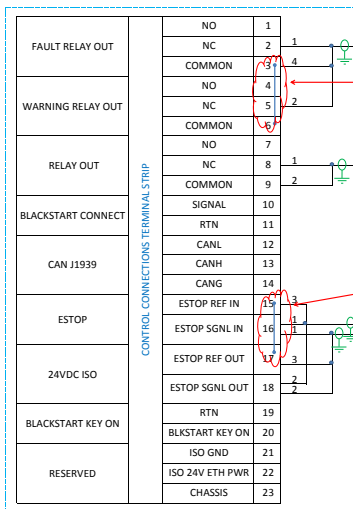
FZ*008BP-07A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

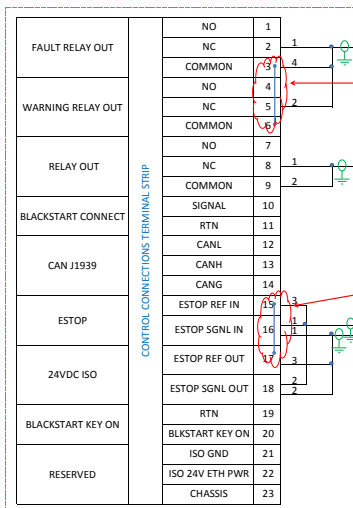
FZ*008BP-08A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

FZ*008BP-09A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

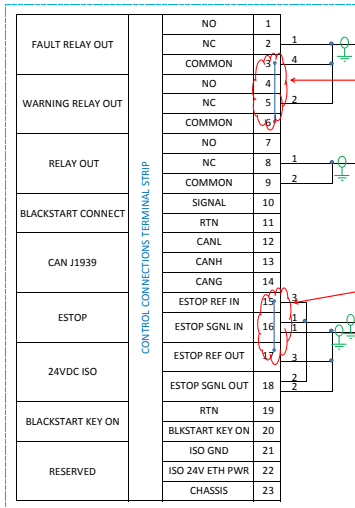
POWER UNIT
PORT
FZ/008QBA

BATTERY PACK ARRAY 1 - PORT
FZ*008BP-xxA

Code CABLE
Tag Composition (sqmm)

Diagram 15

FZ*008BP-10A

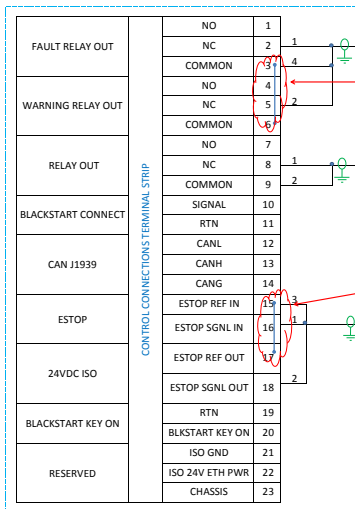


JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

FZ*008BP-11A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

POWER UNIT
PORT
FZ/008QBA

BATTERY PACK ARRAY 2 - PORT
FZ*008BP-xxA

Code CABLE
Tag Composition (sqmm)

Diagram 16

FZ*008BP-12A

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	
		COMMON	3	
WARNING RELAY OUT		NO	4	
		NC	5	
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	
		COMMON	9	
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
ESTOP		ESTOP REF IN	15	
		ESTOP SGNL IN	16	
		ESTOP REF OUT	17	
24VDC ISO		ESTOP SGNL OUT	18	
		RTN	19	
		BLKSTART KEY ON	20	
RESERVED		ISO GND	21	
		ISO 24V ETH PWR	22	
		CHASSIS	23	

FZ / NCS / B1 H/00812A2 4X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/00812A3 2X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/008022 2X1,5

FZ / NCS / B1 H/008023 3X1,5

FZ*008BP-13A

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	1
		COMMON	3	4
WARNING RELAY OUT		NO	4	
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
CAN J1939		CANL	12	
		CANH	13	
ESTOP		CANG	14	
		ESTOP REF IN	15	3
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
24VDC ISO		ESTOP SGNL OUT	18	2
		RTN	19	
BLACKSTART KEY ON		BLKSTART KEY ON	20	
		ISO GND	21	
RESERVED		ISO 24V ETH PWR	22	
		CHASSIS	23	

FZ / NCS / B1 H/00813A2 4X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/00813A3 2X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/008023 2X1,5

FZ / NCS / B1 H/008024 3X1,5

FZ*008BP-14A

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1		
		NC	2	1	
		COMMON	3	4	
WARNING RELAY OUT		NO	4		
		NC	5	2	
		COMMON	6		
RELAY OUT		NO	7		
		NC	8	1	
		COMMON	9	2	
BLACKSTART CONNECT		SIGNAL	10		
CAN J1939		RTN	11		
		CANL	12		
		CANH	13		
ESTOP		CANG	14		
		ESTOP REF IN	15	3	
		ESTOP SGNL IN	16	1	
24VDC ISO		ESTOP REF OUT	17	3	
		ESTOP SGNL OUT	18	2	
		RTN	19		
BLACKSTART KEY ON		BLKSTART KEY ON	20		
RESERVED		ISO GND	21		
		ISO 24V ETH PWR	22		
		CHASSIS	23		

FZ / NCS / B1 H/00814A2 4X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/00814A3 2X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/008024 2X1,5

FZ / NCS / B1 H/008025 3X1,5

POWER UNIT
PORT
FZ/008QBA

BATTERY PACK ARRAY 2 - PORT
FZ*008BP-xxA

Code CABLE
Tag Composition (sqmm)

Diagram 16

FZ*008BP-15A

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	
		COMMON	3	1
WARNING RELAY OUT		NO	4	4
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
ESTOP		ESTOP REF IN	15	3
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
24VDC ISO		ESTOP SGNL OUT	18	2
		RTN	19	
		BLKSTART KEY ON	20	
RESERVED		ISO GND	21	
		ISO 24V ETH PWR	22	
		CHASSIS	23	

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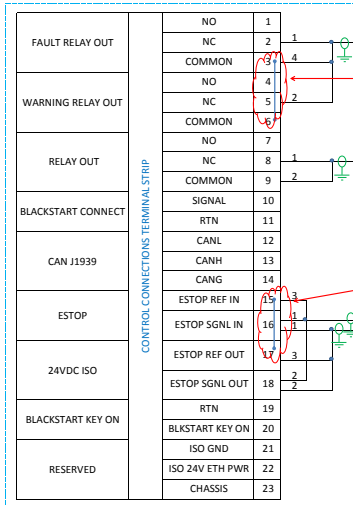
271

BATTERY PACK ARRAY 2 - PORT
FZ*008BP-xxA

Code CABLE
Tag Composition (sqmm)

Diagram 16

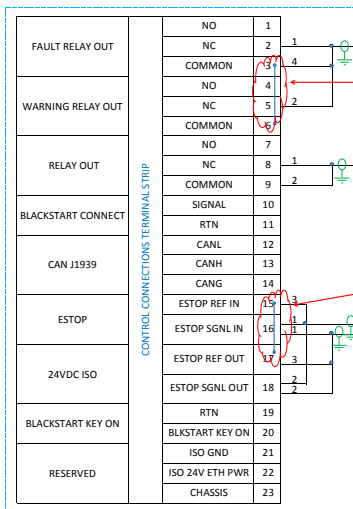
FZ*008BP-18A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

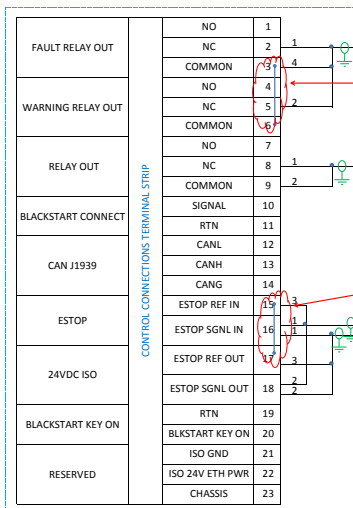
FZ*008BP-19A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

FZ*008BP-20A



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

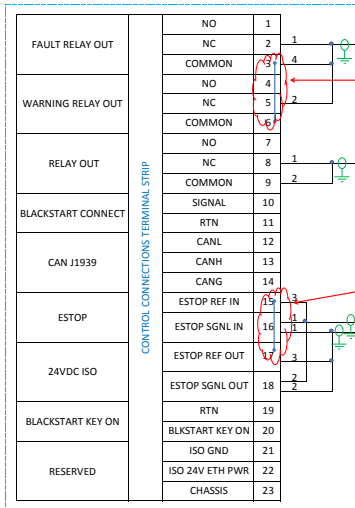
POWER UNIT
PORT
FZ/008QBA

BATTERY PACK ARRAY 2 - PORT
FZ*008BP-xxA

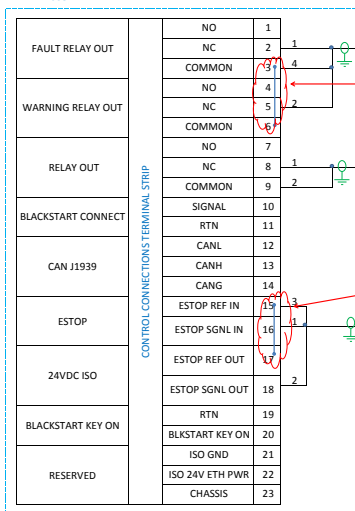
Code
CABLE
Tag
Composition (sqmm)

Diagram 16

FZ*008BP-21A



FZ*008BP-22A



POWER UNIT
PORT
FZ/008QBA

BATTERY PACK ARRAY 1 - STARBOARD
FZ*008BP-xxB

Code CABLE
Tag Tag
Composition (sqmm)

Diagram 17

FZ*008BP-01B

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	1
		COMMON	3	4
WARNING RELAY OUT		NO	4	
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
CAN J1939		CANL	12	
		CANH	13	
ESTOP		CANG	14	
		ESTOP REF IN	15	1
		ESTOP SGNL IN	16	1
24VDC ISO		ESTOP REF OUT	17	3
		ESTOP SGNL OUT	18	2
BLACKSTART KEY ON		RTN	19	
		BLKSTART KEY ON	20	
RESERVED		ISO GND	21	
		ISO 24V ETH PWR	22	
		CHASSIS	23	

FZ / NCS / B1 H/00801B2 4X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/00801B3 2X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/008033 2X1,5

FZ / NCS / B1 H/008034 3X1,5

FZ*008BP-02B

FAULT RELAY OUT	NO	1	
	NC	2	1
	COMMON	3	4
WARNING RELAY OUT	NO	4	
	NC	5	2
	COMMON	6	
RELAY OUT	NO	7	
	NC	8	1
	COMMON	9	2
BLACKSTART CONNECT	SIGNAL	10	
	RTN	11	
	CANL	12	
CAN J1939	CANH	13	
	CANG	14	
ESTOP	ESTOP REF IN	15	3
	ESTOP SGNL IN	16	1
	ESTOP REF OUT	17	3
24VDC ISO	ESTOP SGNL OUT	18	2
	RTN	19	
	BLKSTART KEY ON	20	
RESERVED	ISO GND	21	
	ISO 24V ETH PWR	22	
	CHASSIS	23	

FZ / NCS / B1 H/00802B2 4X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/00802B3 2X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/008034 2X1,5

FZ / NCS / B1 H/008035 3X1,5

FZ*008BP-03B

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	1
		COMMON	3	4
WARNING RELAY OUT		NO	4	
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
ESTOP		ESTOP REF IN	15	3
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
24VDC ISO		ESTOP SGNL OUT	18	2
		RTN	19	
		BLKSTART KEY ON	20	
RESERVED		ISO GND	21	
		ISO 24V ETH PWR	22	
		CHASSIS	23	

FZ / NCS / B1 H/00803B2 4X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/00803B3 2X1

JUMPER TO BE DONE ON SITE

FZ / NCS / B1 H/008035 2X1,5

FZ / NCS / B1 H/008036 3X1,5

POWER UNIT
STARBOARD
FZ/008QB8

BATTERY PACK ARRAY 1 - STARBOARD
FZ*008BP-xxB

Code CABLE
Tag Tag
Composition (sqmm)

Diagram 17

FZ*008BP-04B

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	
		COMMON	3	1
WARNING RELAY OUT		NO	4	4
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
		ESTOP REF IN	15	3
ESTOP		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
		ESTOP SGNL OUT	18	2
24VDC ISO		RTN	19	
		BLKSTART KEY ON	20	
		ISO GND	21	
BLACKSTART KEY ON		ISO 24V ETH PWR	22	
		CHASSIS	23	
		RESERVED		

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JUMPER TO BE DONE ON SITE

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POWER UNIT
STARBOARD
FZ/008Q8B

FZ*008BP-05B

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	1
		COMMON	3	4
WARNING RELAY OUT		NO	4	
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
		ESTOP REF IN	15	3
ESTOP		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
		ESTOP SGNL OUT	18	2
24VDC ISO		RTN	19	
		BLKSTART KEY ON	20	
		ISO GND	21	
BLACKSTART KEY ON		ISO 24V ETH PWR	22	
		CHASSIS	23	
		RESERVED		

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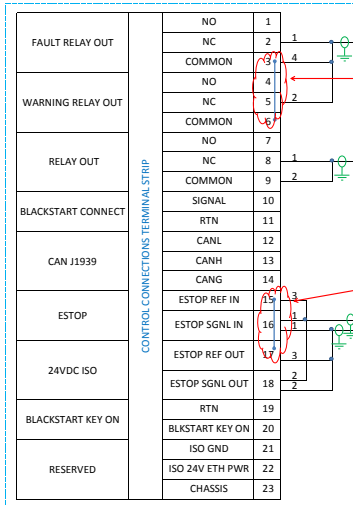
JUMPER TO BE DONE ON SITE

BATTERY PACK ARRAY 1 - STARBOARD
FZ*008BP-xxB

Code CABLE
Tag Tag
Composition (sqmm)

Diagram 17

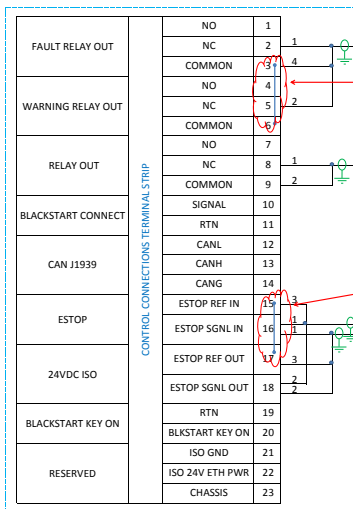
FZ*008BP-07B



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

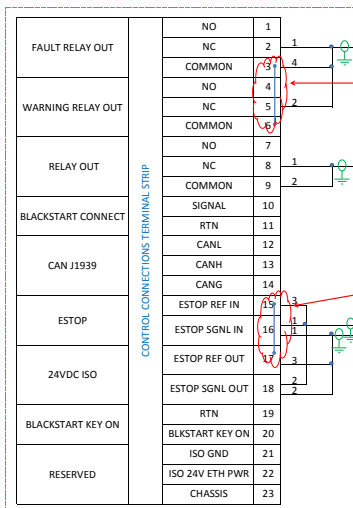
FZ*008BP-08B



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

FZ*008BP-09B



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

POWER UNIT
STARBOARD
FZ/008Q8B

BATTERY PACK ARRAY 1 - STARBOARD
FZ*008BP-xxB

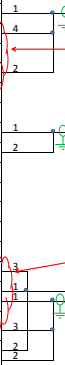
Code CABLE
Tag Tag
Composition (sqmm)

Diagram 17

FZ*008BP-10B

FAULT RELAY OUT	NO	1	
		2	
		3	
WARNING RELAY OUT	COMMON	4	
		5	
		6	
RELAY OUT	NO	7	
		8	
		9	
BLACKSTART CONNECT	COMMON	10	
		11	
		12	
CAN J1939	SIGNAL	13	
		14	
		15	
ESTOP	RTN	16	
		17	
		18	
24VDC ISO	CANL	19	
		20	
		21	
BLACKSTART KEY ON	CANH	22	
		23	
		24	
RESERVED	CANG	25	
		26	
		27	

CONTROL CONNECTIONS TERMINAL STRIP



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

FZ*008BP-11B

FAULT RELAY OUT	NO	1	
		2	
		3	
WARNING RELAY OUT	COMMON	4	
		5	
		6	
RELAY OUT	NO	7	
		8	
		9	
BLACKSTART CONNECT	COMMON	10	
		11	
		12	
CAN J1939	SIGNAL	13	
		14	
		15	
ESTOP	RTN	16	
		17	
		18	
24VDC ISO	CANL	19	
		20	
		21	
BLACKSTART KEY ON	CANH	22	
		23	
		24	
RESERVED	CANG	25	
		26	
		27	

CONTROL CONNECTIONS TERMINAL STRIP



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

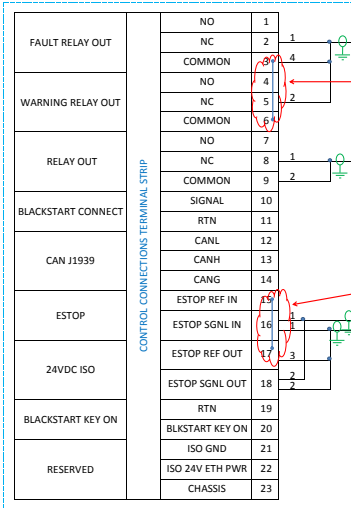
POWER UNIT
STARBOARD
FZ/008QB8

BATTERY PACK ARRAY 2 - STARBOARD
FZ*008BP-xxB

Code
CABLE
Tag
Composition (sqmm)

Diagram 18

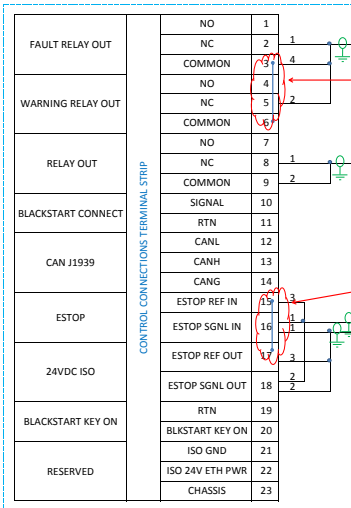
FZ*008BP-12B



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

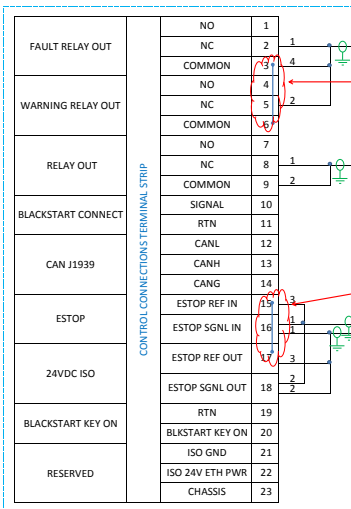
FZ*008BP-13B



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

FZ*008BP-14B



JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

POWER UNIT
STARBOARD
FZ/008QB8

BATTERY PACK ARRAY 2 - STARBOARD
FZ*008BP-xx8

Code CABLE Tag Composition (sqmm)

Diagram 18

FZ*008BP-15B

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	
		COMMON	3	1
WARNING RELAY OUT		NO	4	4
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
ESTOP		ESTOP REF IN	15	3
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
24VDC ISO		ESTOP SGNL OUT	18	2
		RTN	19	
BLACKSTART KEY ON		BLKSTART KEY ON	20	
		ISO GND	21	
RESERVED		ISO 24V ETH PWR	22	
		CHASSIS	23	

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BATTERY PACK ARRAY 2 - STARBOARD
FZ*008BP-xxB

Code CABLE
Tag Tag
Composition (sqmm)

Diagram 18

FZ*008BP-18B

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	
		COMMON	3	1
WARNING RELAY OUT		NO	4	4
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
CAN J1939		CANL	12	
		CANH	13	
ESTOP		CANG	14	
		ESTOP REF IN	15	3
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
		ESTOP SGNL OUT	18	2
24VDC ISO		RTN	19	
		BLKSTART KEY ON	20	
BLACKSTART KEY ON		ISO GND	21	
		ISO 24V ETH PWR	22	
RESERVED		CHASSIS	23	

JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

FZ*008BP-19B

FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	
		COMMON	3	1
WARNING RELAY OUT		NO	4	4
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
ESTOP		ESTOP REF IN	15	3
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
24VDC ISO		ESTOP SGNL OUT	18	2
		RTN	19	
		BLKSTART KEY ON	20	
BLACKSTART KEY ON		ISO GND	21	
		ISO 24V ETH PWR	22	
		CHASSIS	23	
RESERVED				

JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

FZ*008BP-20B

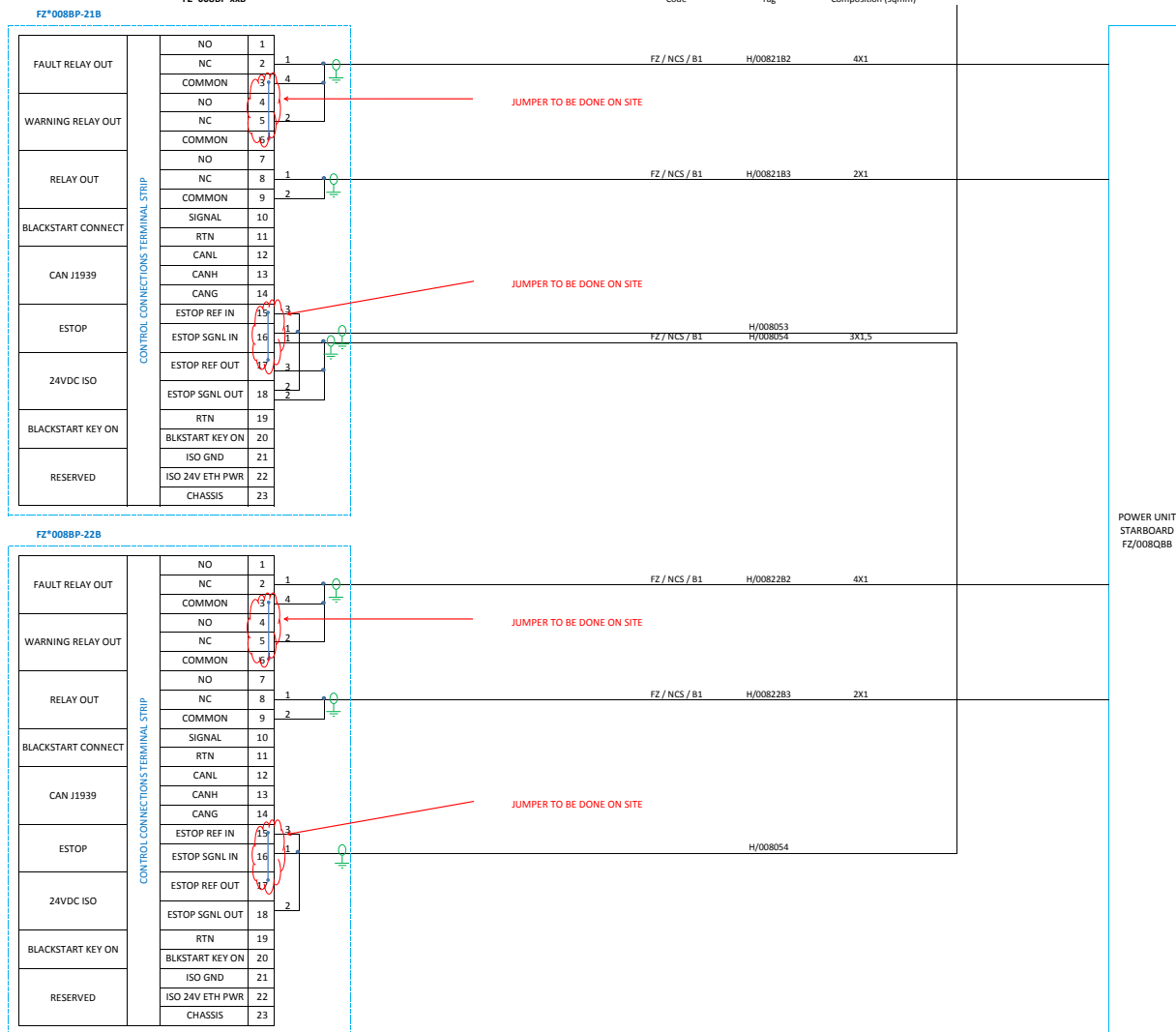
FAULT RELAY OUT	CONTROL CONNECTIONS TERMINAL STRIP	NO	1	
		NC	2	
		COMMON	3	1
WARNING RELAY OUT		NO	4	4
		NC	5	2
		COMMON	6	
RELAY OUT		NO	7	
		NC	8	1
		COMMON	9	2
BLACKSTART CONNECT		SIGNAL	10	
		RTN	11	
		CANL	12	
CAN J1939		CANH	13	
		CANG	14	
ESTOP		ESTOP REF IN	15	3
		ESTOP SGNL IN	16	1
		ESTOP REF OUT	17	3
24VDC ISO		ESTOP SGNL OUT	18	2
		RTN	19	
		BLKSTART KEY ON	20	
BLACKSTART KEY ON		ISO GND	21	
		ISO 24V ETH PWR	22	
		CHASSIS	23	
RESERVED				

JUMPER TO BE DONE ON SITE

JUMPER TO BE DONE ON SITE

POWER UNIT
STARBOARD
FZ/008QB8

Code	CABLE Tag	Composition (sgmm)
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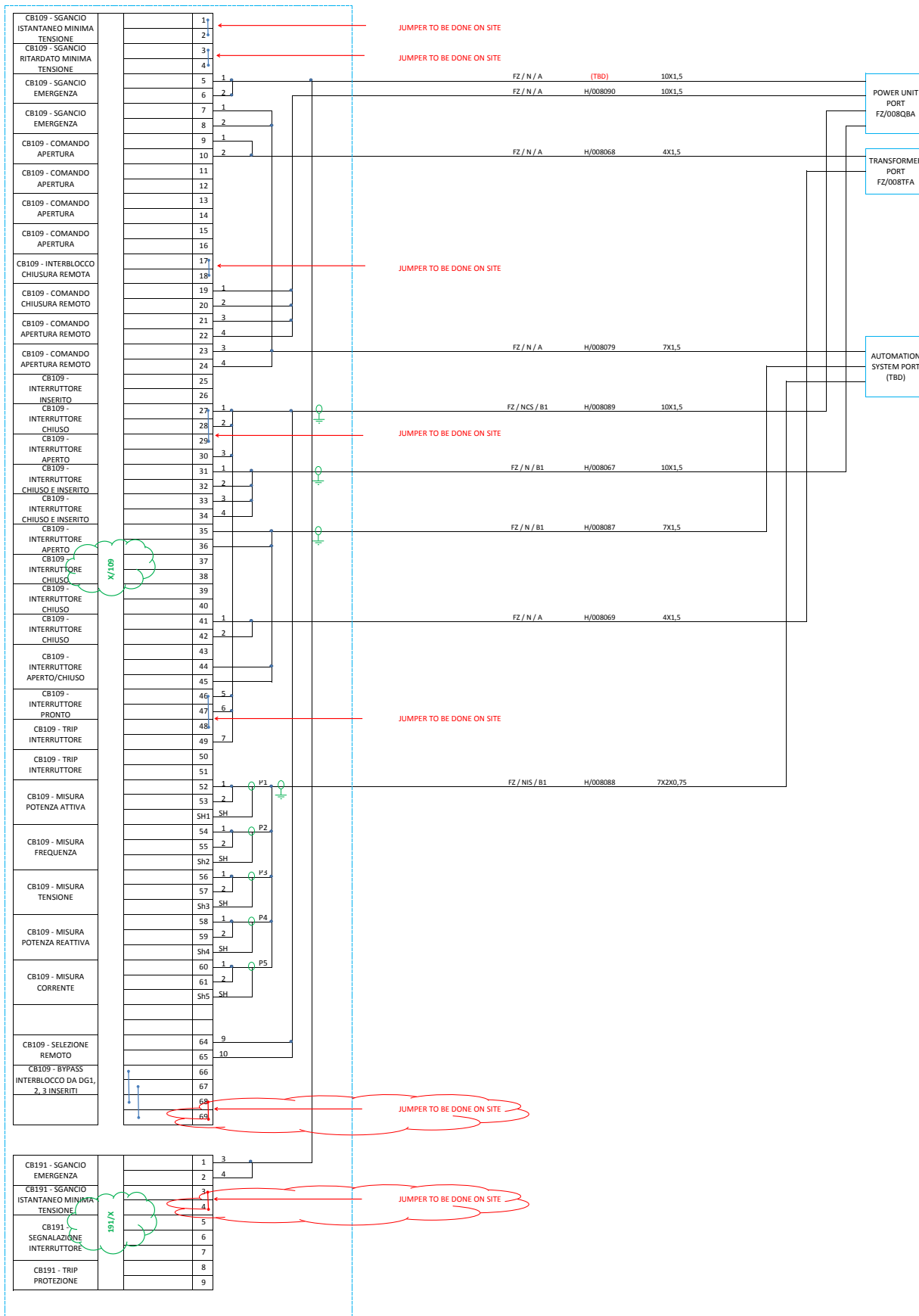
POWER UNIT
STARBOARD
FZ/008QBB

MAIN SWITCHBOARD (KA/872)
COLUMN 0 - FZ/008QPA

Code CABLE Tag Composition (sqmm)

Diagram 19

AUX SECT. COLUMN 0



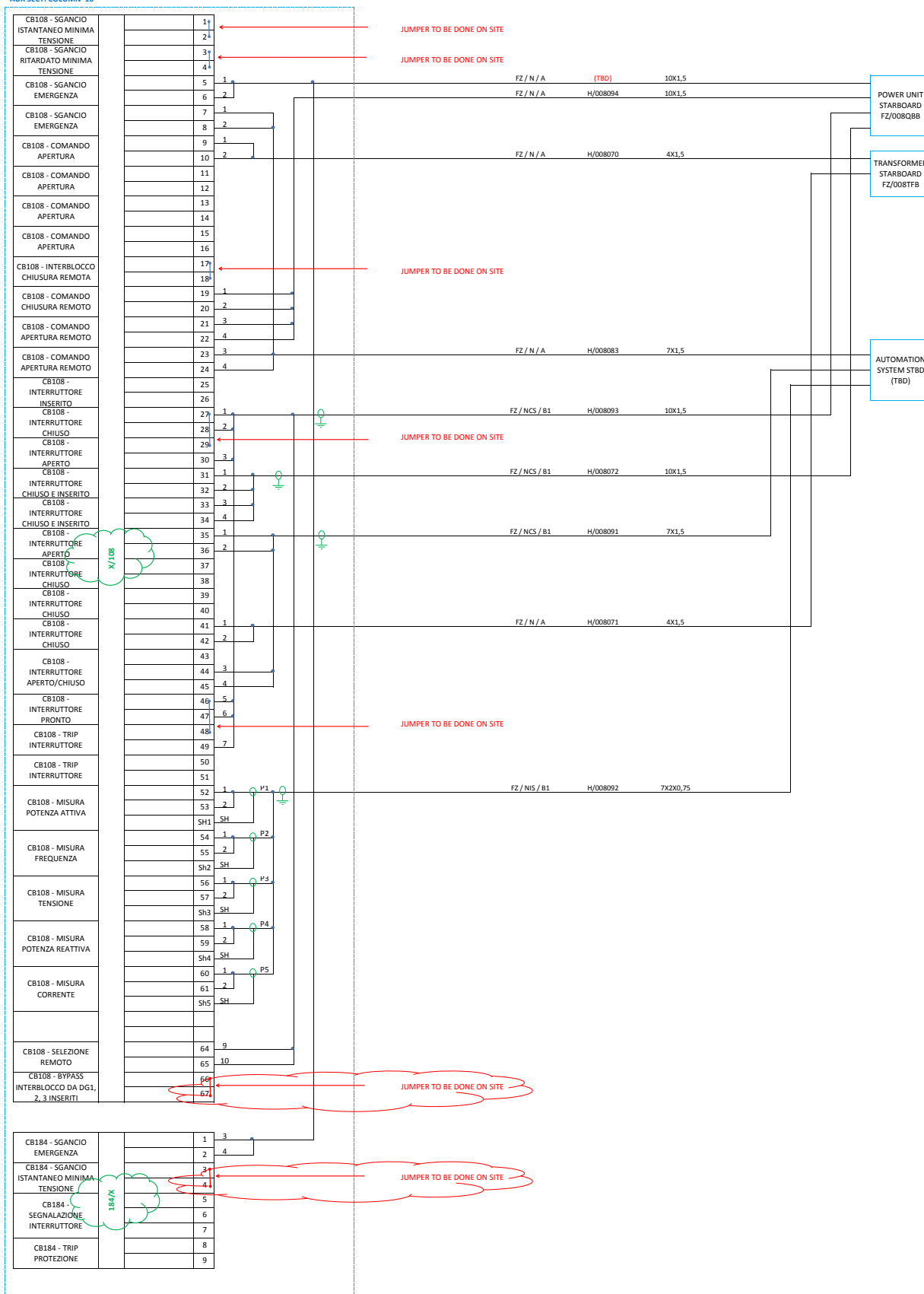
AUX SECT. COLUMN 16

Code

CABLE
Tag

Composition (sgmm)

Diagram 20



TRANSFORMER PORT
FZ/008TFA

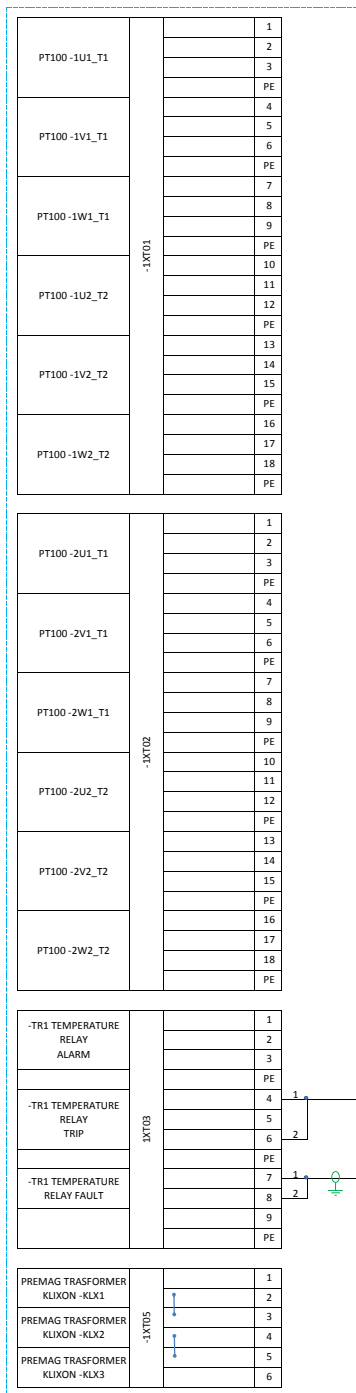
Code

CABLE
Tag

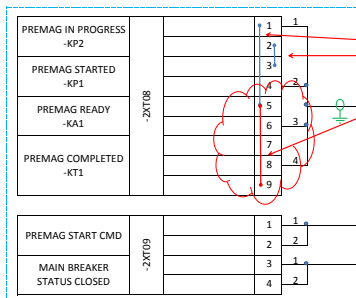
Composition (sqmm)

Diagram 21

J8-A10



J8-A11



JUMPER TO BE DONE ON SITE

MAIN
SWITCHBOARD
(XA/872)
COLUMN 0
FZ/008QPA

POWER UNIT
PORT
FZ/008QBA

TRANSFORMER STARBOARD
FZ/008TFB

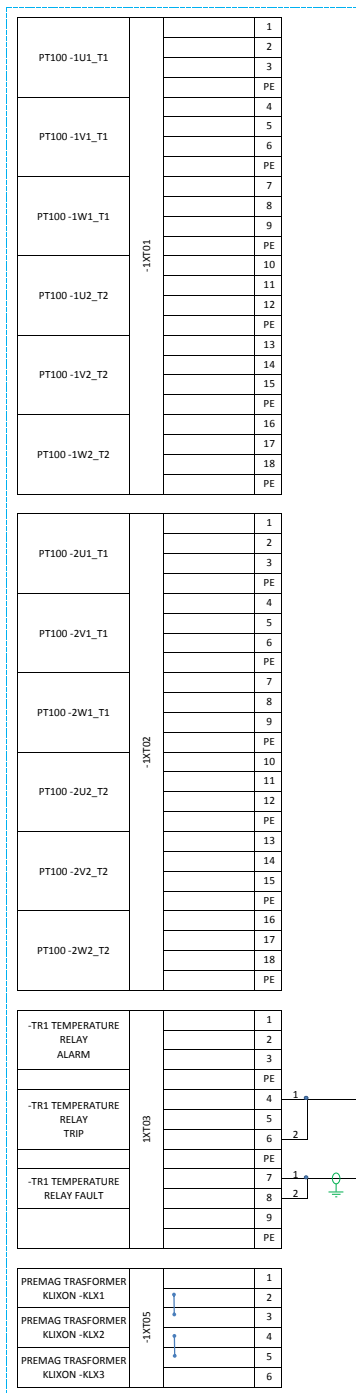
Code

CABLE
Tag

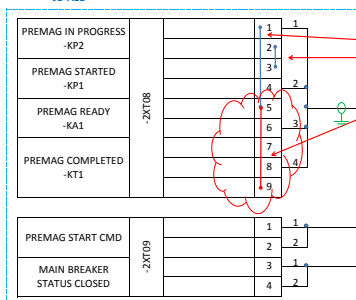
Composition (sqmm)

Diagram 22

J8-A10



J8-A11



JUMPER TO BE DONE ON SITE

MAIN
SWITCHBOARD
(XA/872)
COLUMN 16
FZ/008QPB

POWER UNIT
STARBOARD
FZ/008QBB

POWER UNIT PORT
FZ/008QBA

Code
CABLE
Tag
Composition (sqmm)

Diagram 23

A1 CUBICLE

AC SWITCH S2.1 STATUS OPEN/CLOSED (OF2)	XS2.1	NC	1
		COMMON	2
		NO	3
NC		4	
COMMON		5	
NO		6	
NC		7	
COMMON		8	
NO		9	
NC		10	
COMMON		11	
NO		12	
NC		13	
COMMON		14	
NO		15	

AC SWITCH S2.2 STATUS OPEN/CLOSED (OF2)	XS2.1	NC	1
		COMMON	2
		NO	3
AC SWITCH S2.2 STATUS OPEN/CLOSED (OF3)		NC	4
		COMMON	5
		NO	6
AC SWITCH S2.2 POSITION DISCONNECTED (CD1)		NC	7
		COMMON	8
		NO	9
AC SWITCH S2.2 POSITION TEST (CT1)		NC	10
		COMMON	11
		NO	12
AC SWITCH S2.2 POSITION INSERTED (CE2)		NC	13
		COMMON	14
		NO	15

CB 109 AND CB191 EMERGENCY OPEN (KS1.13-14)	XDO5		1
CB 109 AND CB191 EMERGENCY OPEN (KS1.23-24)			2
			3
			4
SPARE (KS2.13-14)			5
			6
SPARE (KS2.23-24)			7
			8
			9
EMERGENCY STOP ARRAY #1 (KS3.13-14)			10
			11
EMERGENCY STOP ARRAY #1 (KS3.23-24)			12
			13
EMERGENCY STOP ARRAY #2 (KS4.13-14)			14
			15
EMERGENCY STOP ARRAY #2 (KS4.23-24)			16
			17
SPARE (KS5.13-14)			18
			19
SPARE (KS5.23-24)			20
			21
SPARE (KS6.13-14)			22
			23
SPARE (KS6.23-24)			24

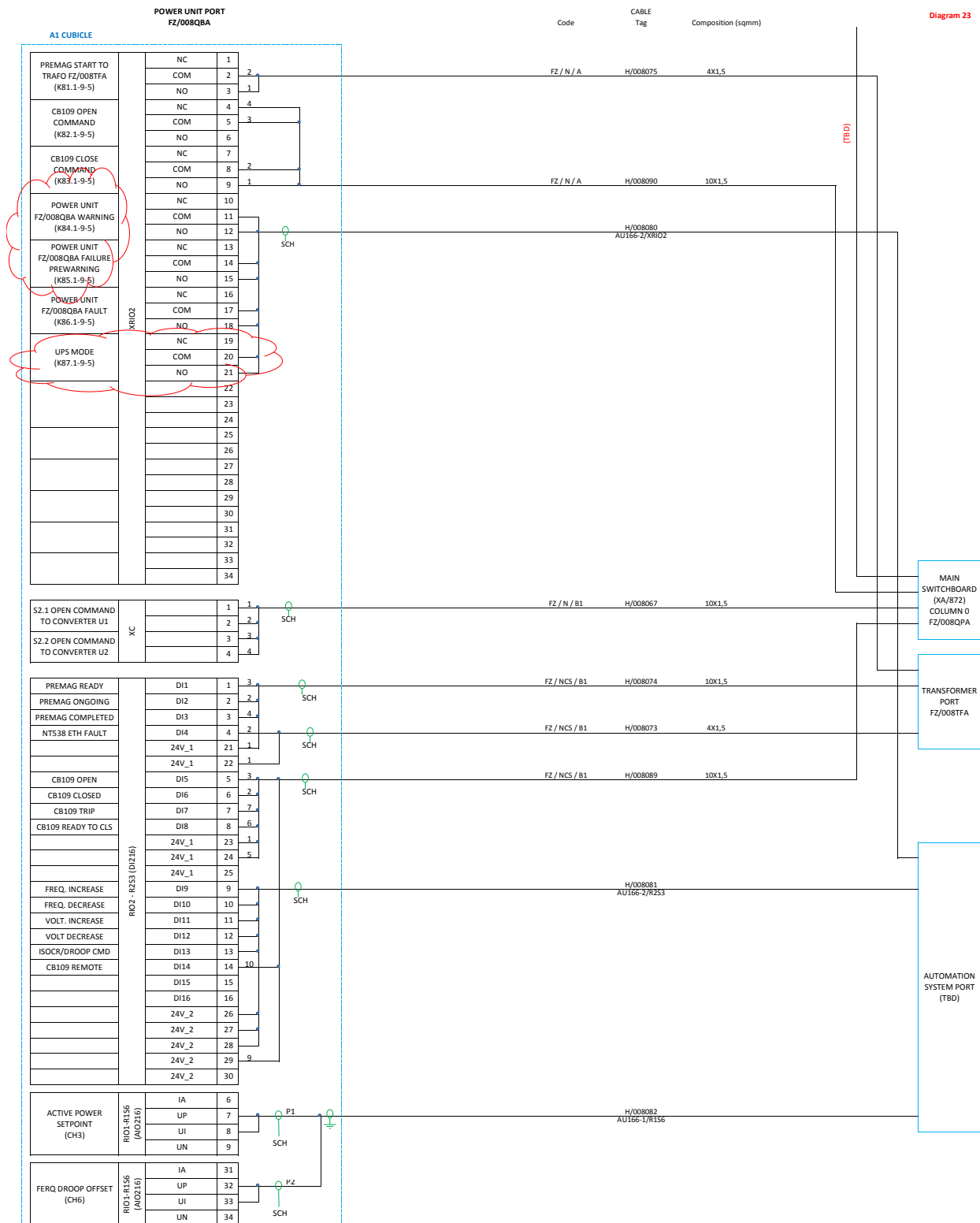
FZ / N / A (TRD) 10X1,5

FZ / NCS / B1 H/008011 2X1,5

FZ / NCS / B1 H/008022 2X1,5

FZ*0088P-01A

FZ*0088P-12A

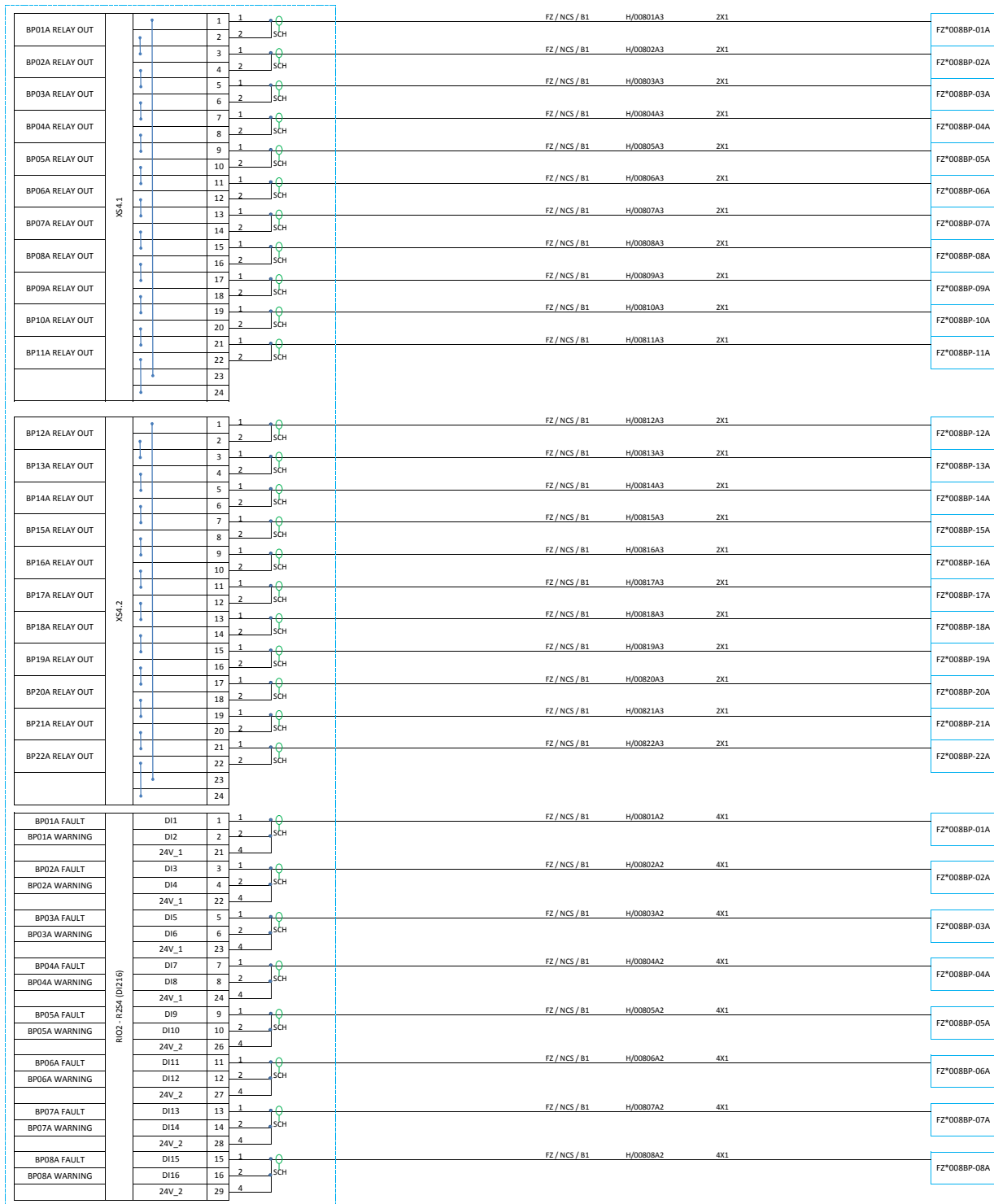


POWER UNIT PORT
FZ/008QB8A

A1 CUBICLE

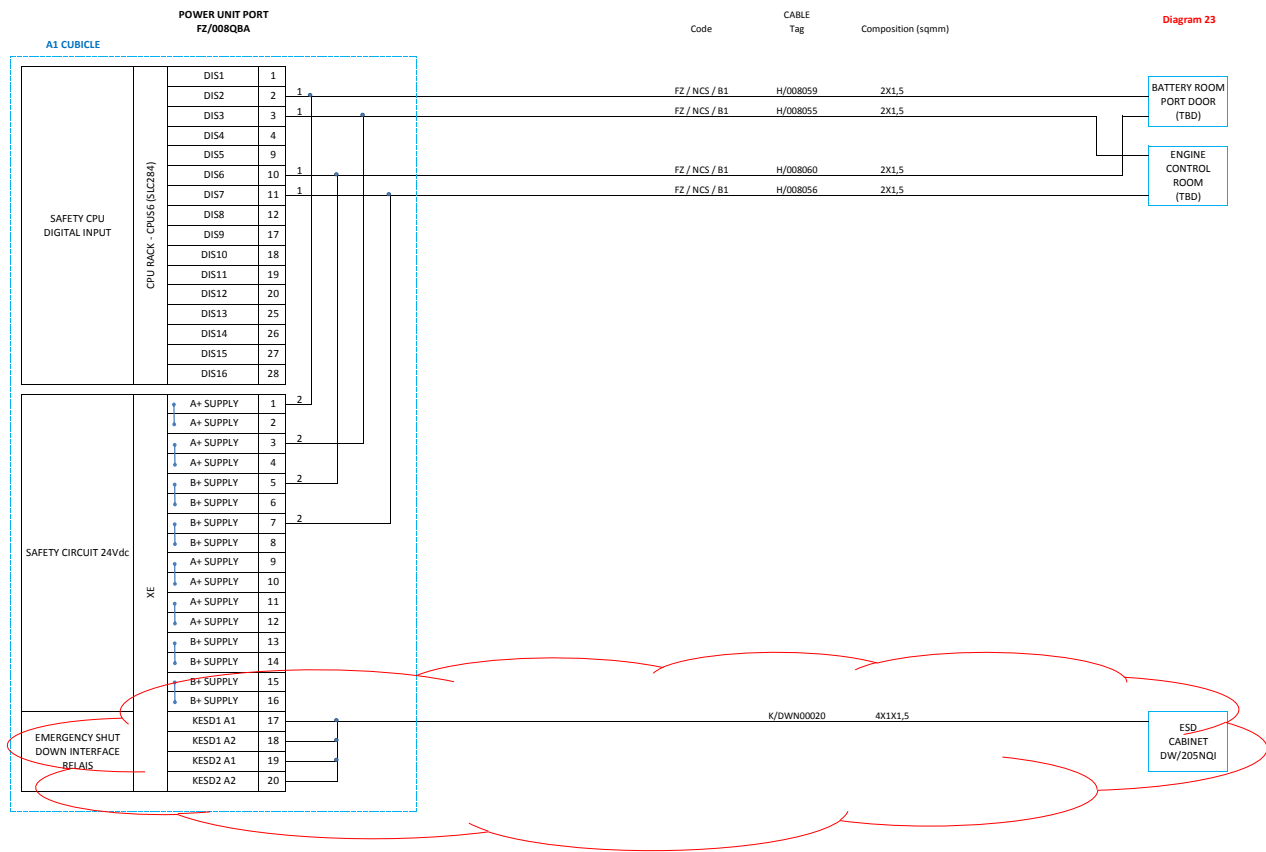
Code CABLE
Tag Composition (sqmm)

Diagram 23



A1 CUBICLE

[illegible]



POWER UNIT STARBOARD
FZ/008QB8

Code
CABLE
Tag
Composition (sqmm)

Diagram 24

A1 CUBICLE

AC SWITCH S2.1 STATUS OPEN/CLOSED (OF2)	XS2.1	NC	1
		COMMON	2
		NO	3
AC SWITCH S2.1 STATUS OPEN/CLOSED (OF3)		NC	4
		COMMON	5
		NO	6
AC SWITCH S2.1 POSITION DISCONNECTED (CD1)		NC	7
		COMMON	8
		NO	9
AC SWITCH S2.1 POSITION TEST (CT1)		NC	10
		COMMON	11
		NO	12
AC SWITCH S2.1 POSITION INSERTED (CE2)		NC	13
		COMMON	14
		NO	15

AC SWITCH S2.2 STATUS OPEN/CLOSED (OF2)	XS2.1	NC	1
		COMMON	2
		NO	3
AC SWITCH S2.2 STATUS OPEN/CLOSED (OF3)		NC	4
		COMMON	5
		NO	6
AC SWITCH S2.2 POSITION DISCONNECTED (CD1)		NC	7
		COMMON	8
		NO	9
AC SWITCH S2.2 POSITION TEST (CT1)		NC	10
		COMMON	11
		NO	12
AC SWITCH S2.2 POSITION INSERTED (CE2)		NC	13
		COMMON	14
		NO	15

CB 108 AND CB184 EMERGENCY OPEN (KS1.13-14)	XDO5		1
		2	
CB 108 AND CB184 EMERGENCY OPEN (KS1.23-24)		3	
		4	
SPARE (KS2.13-14)		5	
		6	
SPARE (KS2.23-24)		7	
		8	
EMERGENCY STOP ARRAY #3 (KS3.13-14)		9	
		10	
EMERGENCY STOP ARRAY #3 (KS3.23-24)		11	
		12	
EMERGENCY STOP ARRAY #4 (KS4.13-14)		13	
		14	
EMERGENCY STOP ARRAY #4 (KS4.23-24)		15	
		16	
SPARE (KS5.13-14)		17	
		18	
SPARE (KS5.23-24)		19	
		20	
SPARE (KS6.13-14)		21	
		22	
SPARE (KS6.23-24)		23	
		24	

FZ / N / A (TRD) 10X1,5

FZ / NCS / B1 H/008033 2X1,5

FZ / NCS / B1 H/008044 2X1,5

FZ*0088P-01B

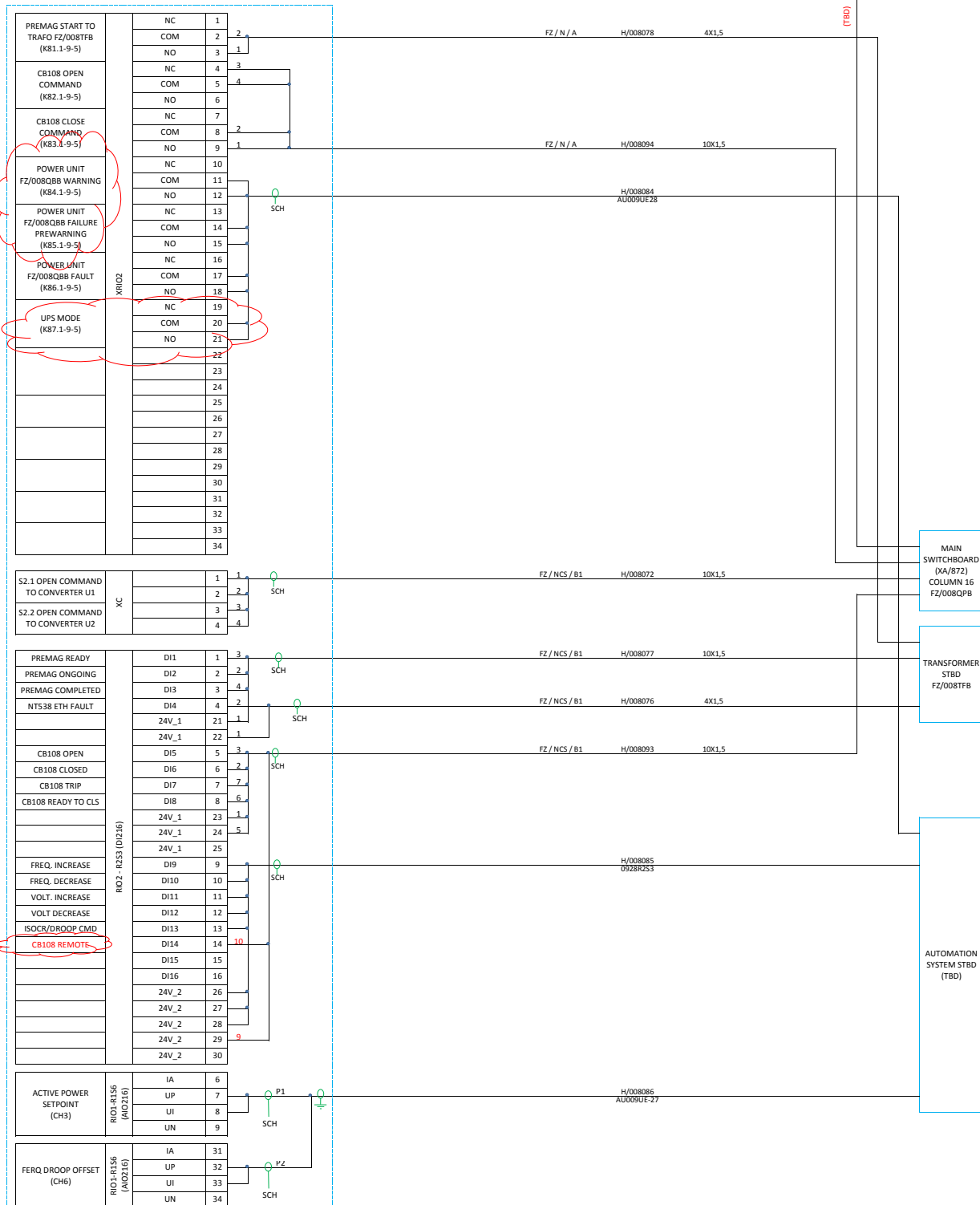
FZ*0088P-12B

POWER UNIT STARBOARD
FZ/008QBB

Code CABLE
Tag Composition (sqmm)

Diagram 24

A1 CUBICLE

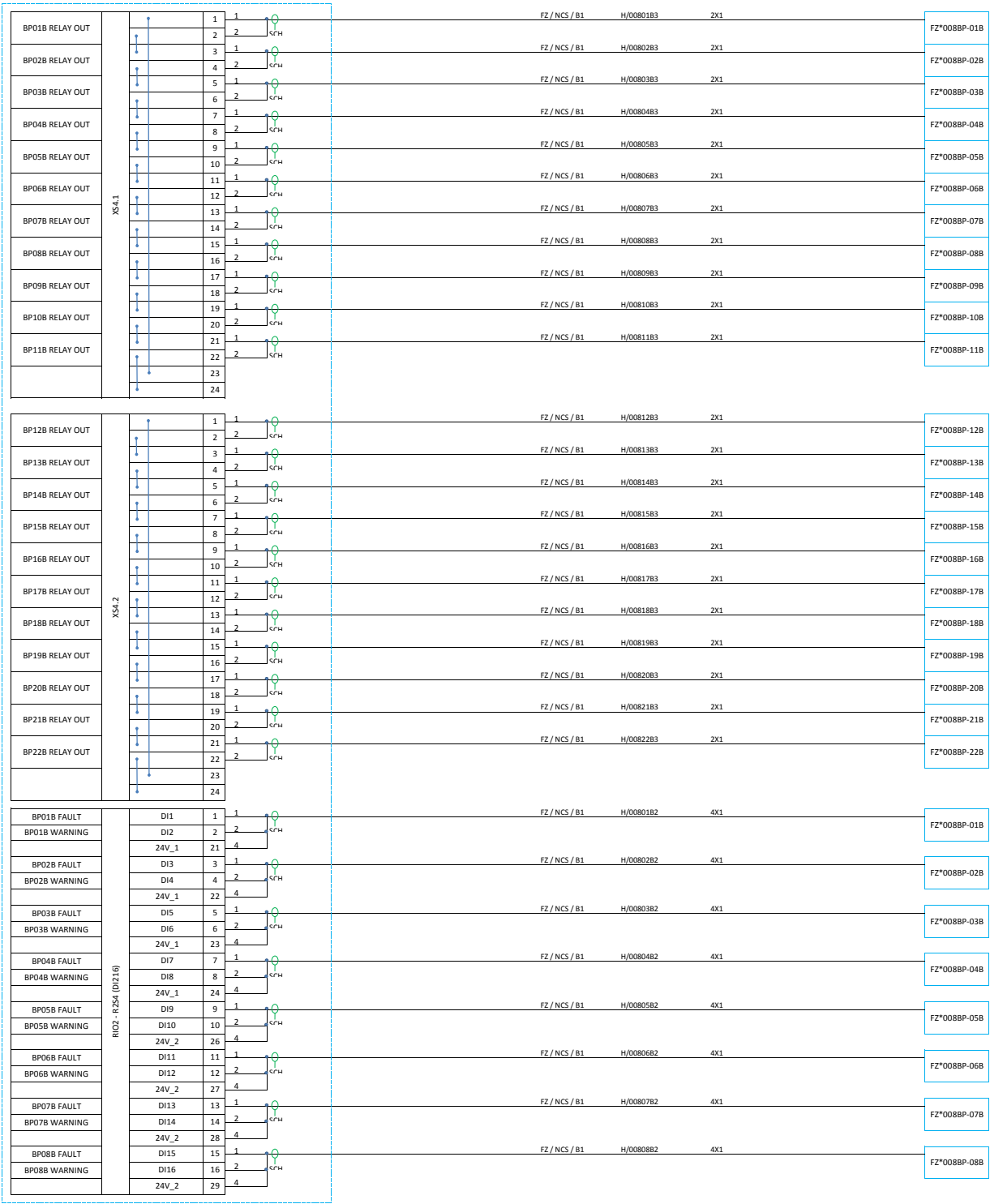


POWER UNIT STARBOARD
FZ/008QB8

Code CABLE
Tag Composition (sqmm)

Diagram 24

A1 CUBICLE

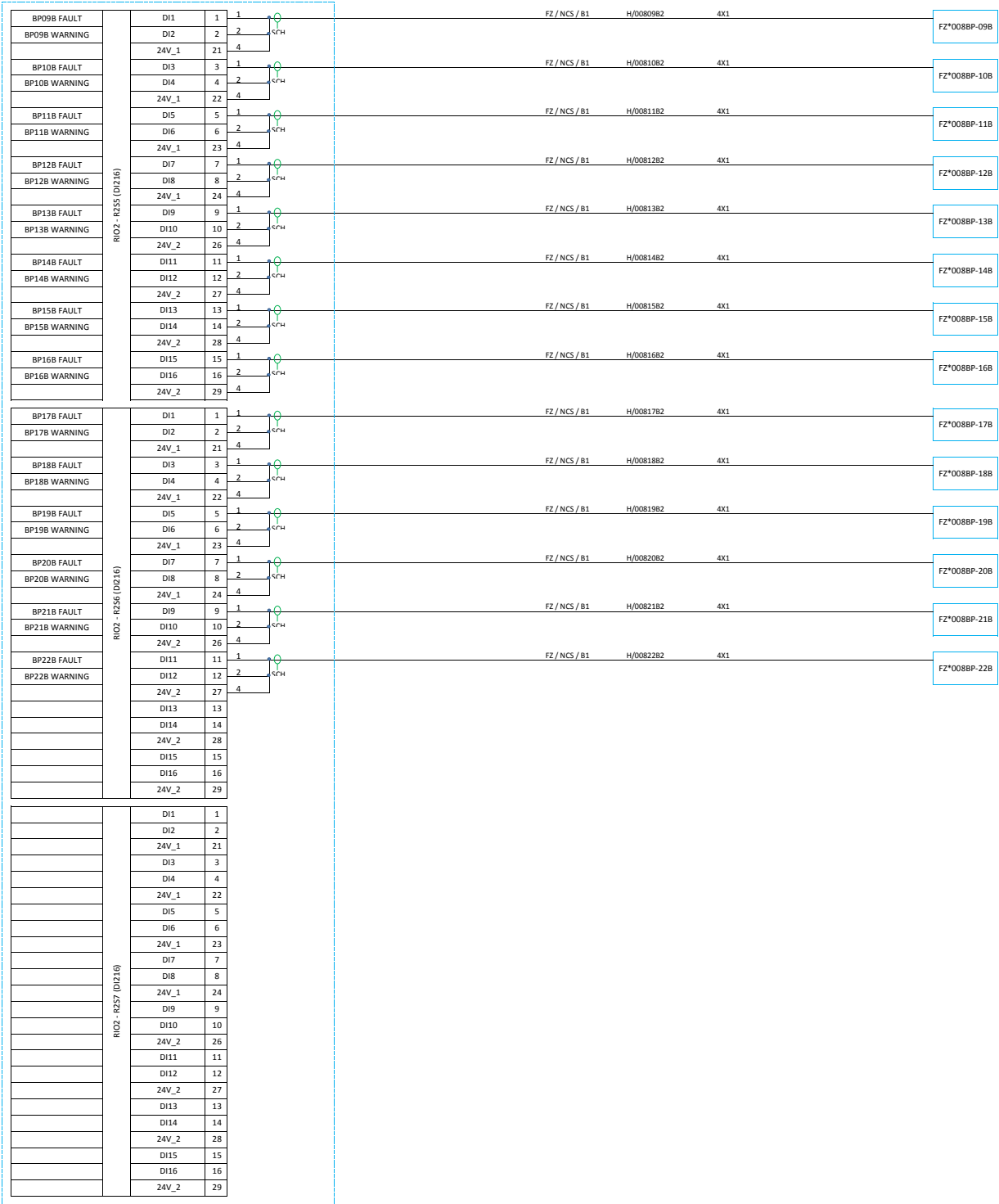


POWER UNIT STARBOARD
FZ/008QB8

Code CABLE
Tag Composition (sqmm)

Diagram 24

A1 CUBICLE



POWER UNIT STARBOARD
FZ/008QB8

Code CABLE
Tag Composition (sqmm)

Diagram 24

A1 CUBICLE

