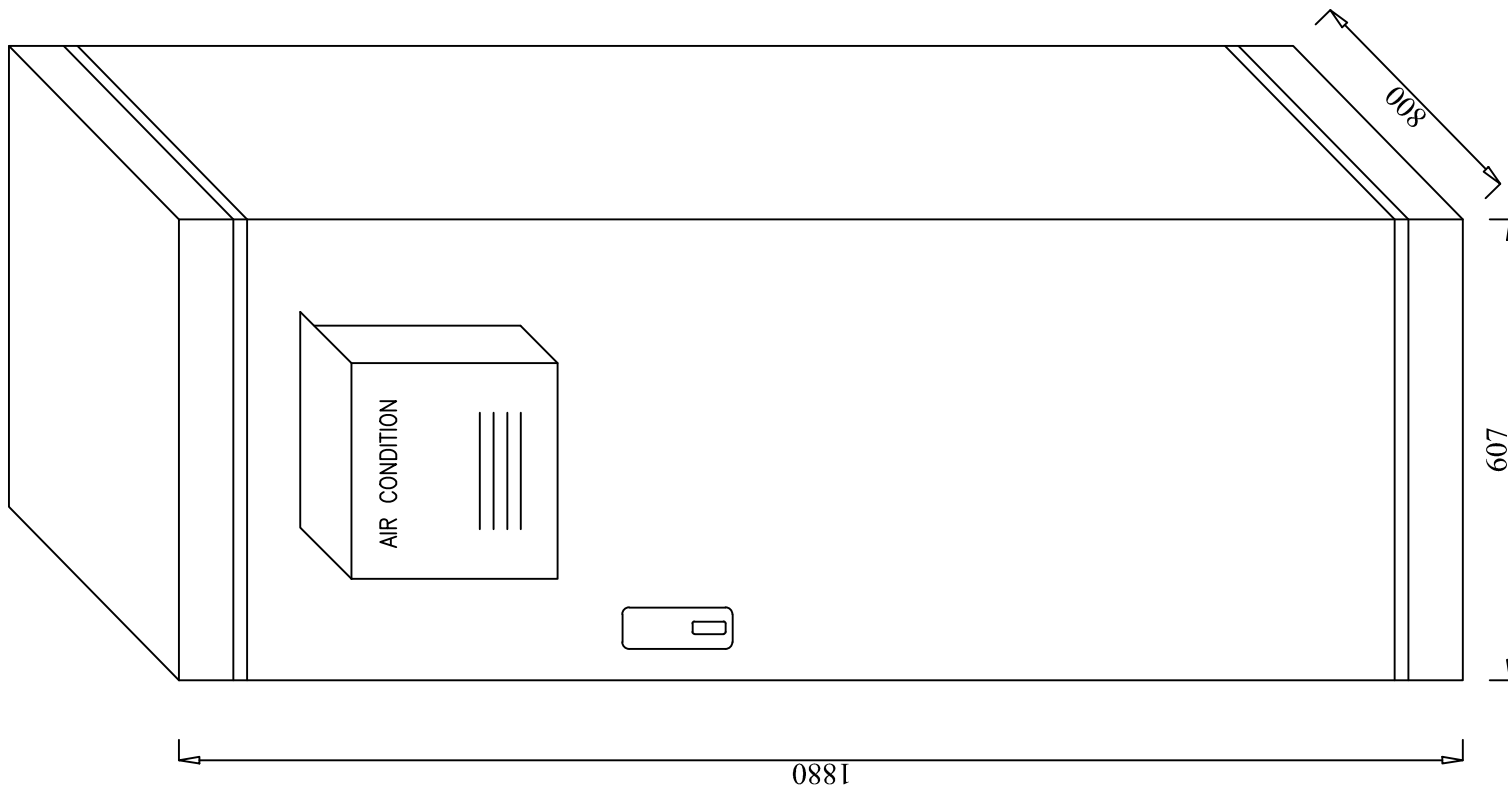


OUTDOOR CABINET-DOOR VIEW



SIG.	STATUS	REV.NUM.	REV.DATE
D.H		1	16.08.17
D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

CUSTOMER:	PROJECT NAME:
BARAN	la quiaca
PROJECT NUM.:	Medium observation system
PR17001828-4	BOARD NAME:
	RADIO NATIONAL

DESCRIPTION:
TEL:08-6610733
FAX:08-6890312
FILE NUM.:PR17001828-4
ENGINEER:Y.H

Smart Power Solutions			
DRIVER: D.H	DATE	PAGE	TOTAL
PLANNER:D.H	03-21-18	1	15




Smart Power Solutions

DOOR SENSOR	
1	230VAC FIELD MAIN AC PANEL
2	BLANK
3	POWER SYSTEM 48VDC 3X2900W CELL-D-125 MCB 48/3-48/11+FBATT
4	BRUSH STRIP
5	48VDC TO 24DC/12VDC CONVERTORS
6	NVR MICRO PC+MICRO PC P/S
7	BLANK
8	BLANK
9	RADWIN UNITS(2 PCS)
10	BRUSH STRIP
11	WS-C3650-24PS-L
12	BRUSH STRIP
13	CLIENT EQUIPMENT
	TERMINAL BLOCK
	150Ah 150Ah 150Ah 150Ah 150Ah
	12V 12V 12V 12V 12V
	BATTERY 48VDC 150Ah

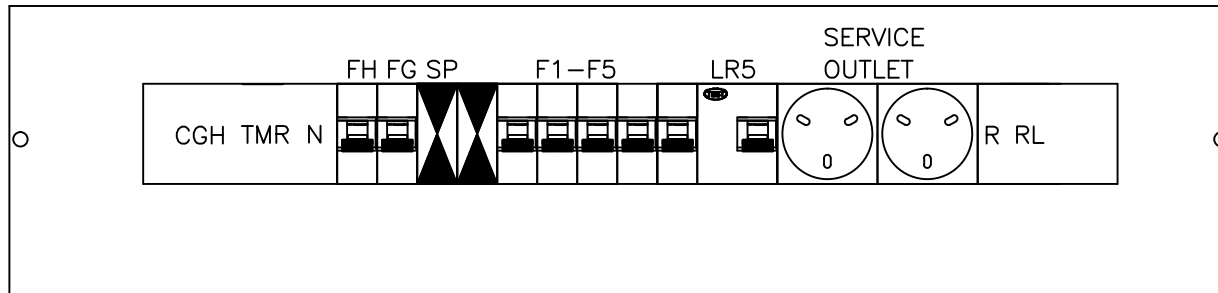
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D.H	FIELD CHANGES	2	20.02.18
D.H	FIELD CHANGES	3	21.03.18

CUSTOMER:	BARAN	M
PROJECT NUM.:	PR17001828-4	

PROJECT NAME:	la quiaca medium observation system
BOARD NAME:	RADIO NATIONAL

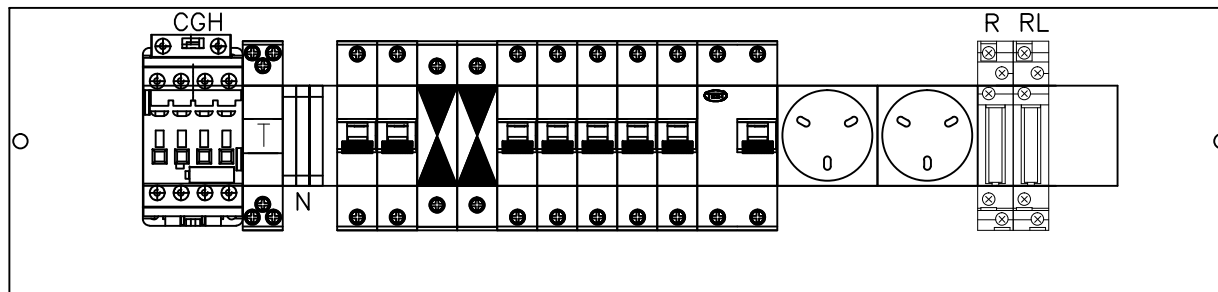
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FILE NUM.:PRI7001828	DRAWER: D.H	DATE	PAGE	TOTAL
ENGINEER:Y.H	PLANNER:D.H	03-21-18	2	15

MAIN AC 230 PANEL FRONT VIEW



EQUIPMENT TAG	FUNCTION
CGH	CHANGEOVER CONTACTOR
TMR	CONTACTOR TIMER
FH	MAINS FEED
FG	GENERATOR FEED
SP	SURGE PROTECTION
F1	CONTROL+INTERNAL LIGHT FEED
F2	POWER SYSTEM FEED
F3	CABINET AIR CONDITION FEED
F4	LIGHT PROJECTOR+
F5	GENERATOR CHARGER
LR5	SERVICE OUTLET FEED
R	AIR CONDITION CONTROL RELAY
RL	INTERNAL LIGHT CONTROL RELAY

MAIN AC 230 PANEL FRONT VIEW-WITH NO PANEL



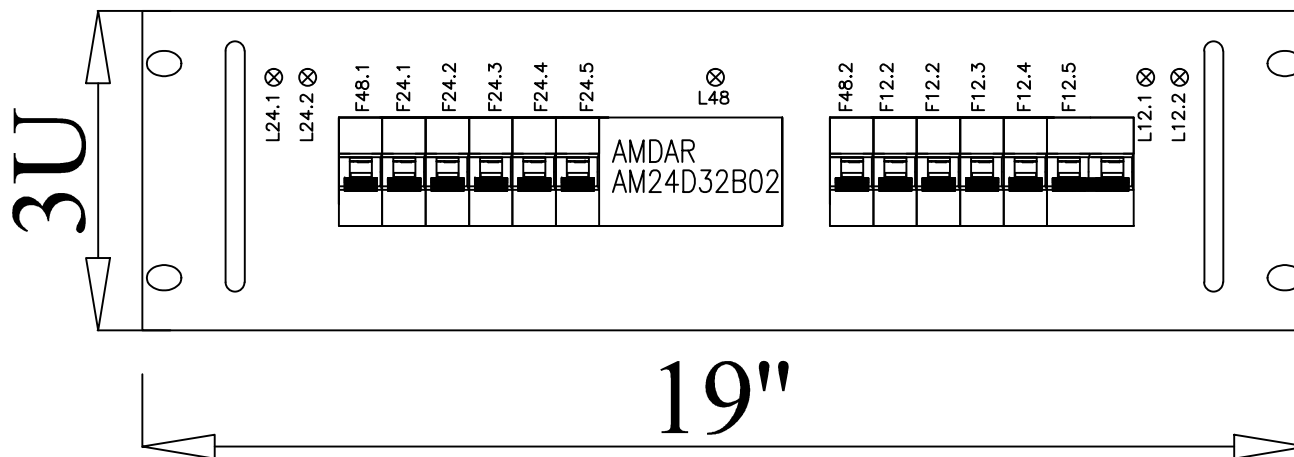
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D.FIELD CHANGES		3	21.03.18

CUSTOMER:	BARAN
PROJECT NUM.:	PR17001828-4

PROJECT NAME:	la quiaca Medium observation system
BOARD NAME:	RADIO NATIONAL

DESCRIPTION:			
TEL:08-6610733	Smart Power Solutions		
FAX:08-6890312	rnetPower Ltd.		
FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE TOTAL
ENGINEER:Y.H	PLANNER:D.H	03-21-18	3 15

48VDC TO 12/24 VDC SHELF—FRONT VIEW/DC SHELF—FRONT VIEW




F48.1	48/24 CONVERTER 1+2 FEED
L48	48VDC PRESENCE
L24.1	CONERTER 1-24VDC PRESENCE
L24.2	CONERTER 2-24VDC PRESENCE
F24.1	RADAR V5
F24.2	OPTO225
F24.3	MOXA NPORT 5250
F24.4	ADAM
F24.5	AVATION WARNING LIGHT FEED
AMDAR	AVATION WARNING LIGHT LOW CURRENT RELAY
L12.1	CONERTER 3-12VDC PRESENCE
L12.2	CONERTER 4-12VDC PRESENCE
F12.1	MANGO 1
F12.2	MANGO 2
F12.3	NVR
F12.4	RESERVED
F12.5	RESERVED



SIG.	STATUS	REV.NUM.	REV.DATE
D.H		1	16.08.17
D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

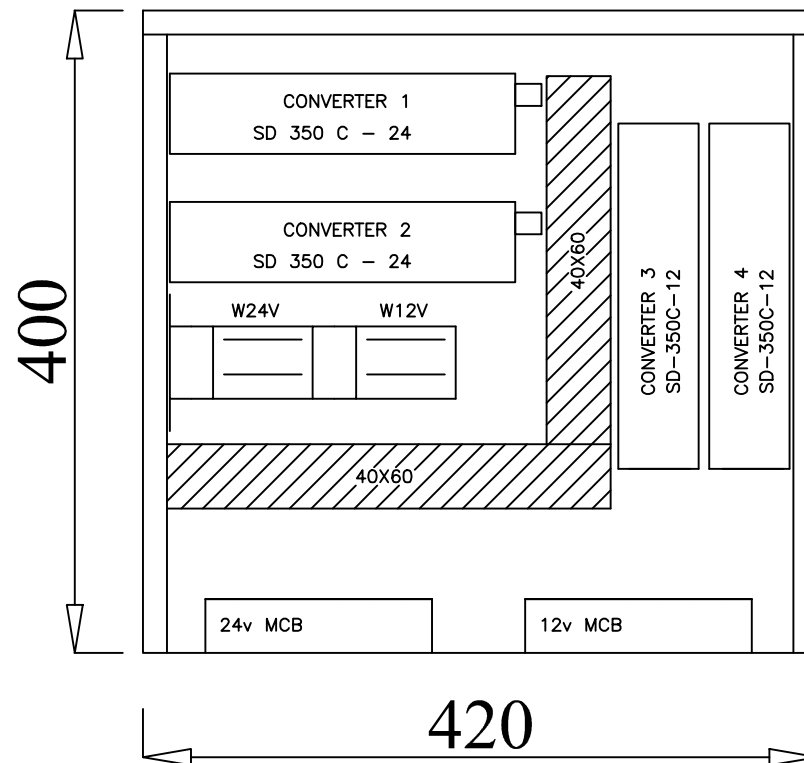
CUSTOMER:	PROJECT NAME:
BARAN	la quiaca
PROJECT NUM.: PR17001828-4	BOARD NAME:
	RADIO NATIONAL

Medium observation system

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TEL:08-6610733			
FAX:08-6890312			
FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE TOTAL
ENGINEER:Y.H	PLANNER:D.H	03-21-18	4 15

48VDC TO 12/24 VDC SHELF—FRONT VIEW

UPPER VIEW



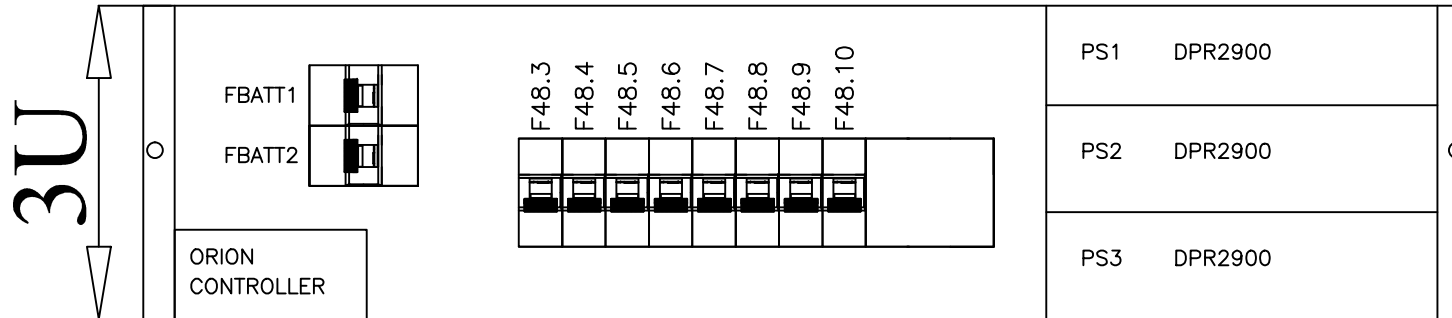
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D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

CUSTOMER:	PROJECT NAME:
BARAN	la quiaca
PROJECT NUM.: PR17001828-4	Medium observation system
	BOARD NAME:
	RADIO NATIONAL

DESCRIPTION:
TEL:08-6610733
FAX:08-6890312
FILE NUM.:PR17001828-4
ENGINEER:Y.H

Smart Power Solutions			
DRIVER: D.H	DATE	PAGE	TOTAL
PLANNER: D.H	03-21-18	5	15

DC DISTRIBUTION PANEL +48VDC P\S - CELL-D



EQUIPMENT	FUNCTION
TAG	
F48.3	MICRO-PC P/S FEED
F48.4	WS-C3650-FEED A
F48.5	WS-C3650-FEED B
F48.6	P-T-P FEED
F48.7	P-T-M-P FEED
F48.8	BRAVO INV 1
F48.9	BRAVO INV 2
F48.10	BRAVO INV 3
FBATT 1	BATTERY FEED1
FBATT 2	RESERVE



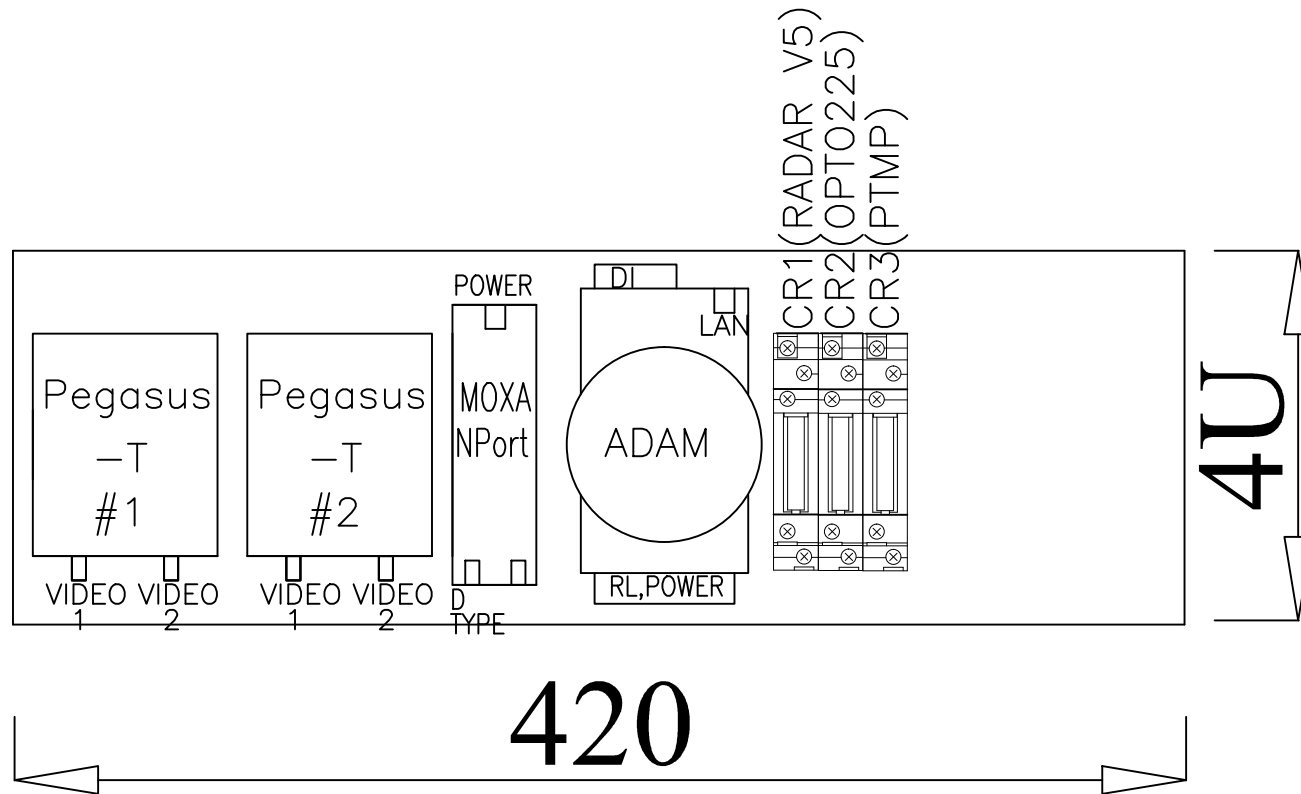
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D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

CUSTOMER:	BARAN
PROJECT NUM.:	PR17001828-4

PROJECT NAME:	la quiaca Medium observation system
BOARD NAME:	RADIO NATIONAL

DESCRIPTION:			
TEL:08-6610733	Smart Power Solutions		
FAX:08-6890312	OrnetPower Ltd.		
FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE TOTAL
ENGINEER:Y.H	PLANNER:D.H	03-21-18	6 15

CLIENT EQUIPMENT



*Pegasus units will be installed on a plastic isolated sheet




SIG.	STATUS	REV.NUM.	REV.DATE
D.H		1	16.08.17
D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

CUSTOMER:
BARAN

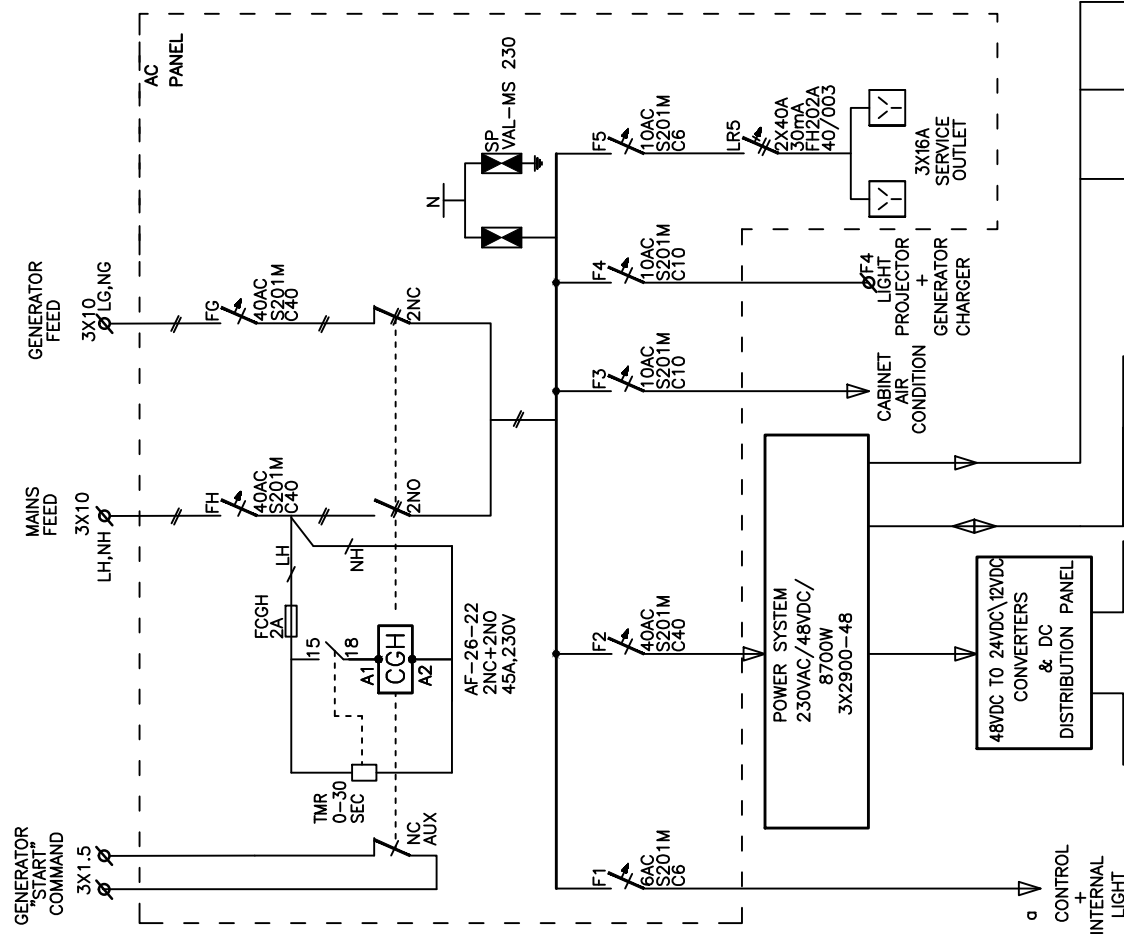
PROJECT NUM.:
PR17001828-4

PROJECT NAME:
la quiaca
Medium observation system

BOARD NAME:
RADIO NATIONAL

DESCRIPTION:				
TEL:08-6610733		 OrnetPower Ltd. Smart Power Solutions		
FAX:08-6890312				
FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE	TOTAL
ENGINEER:Y.H	PLANNER:D.H	03-21-18	7	15

ELECTRICAL DRAWING



SIG.	STATUS	REV.NUM.	REV.DATE
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D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

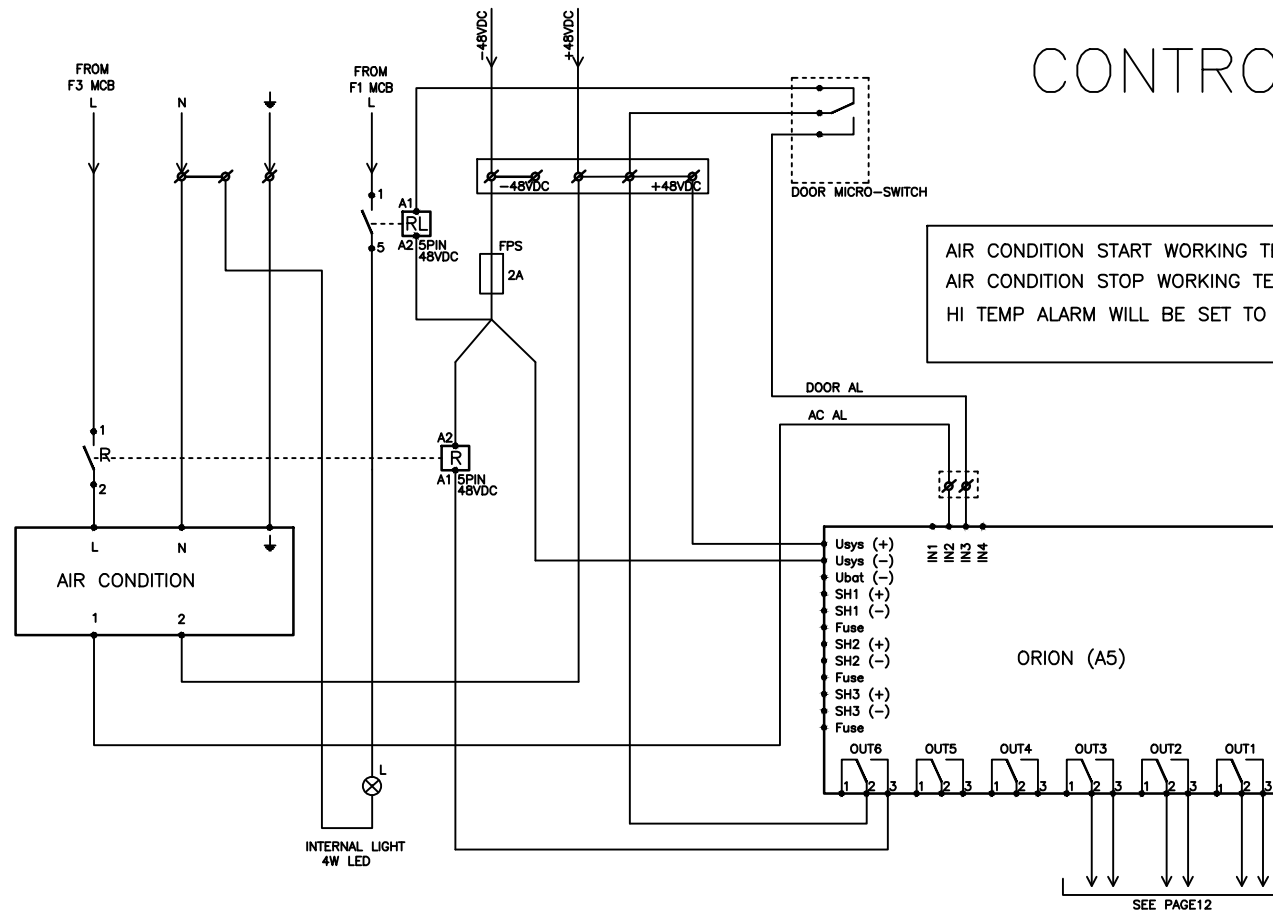
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PROJECT NUM.:	PR17001828-4

PROJECT NAME:	la quiaca Medium observation system
BOARD NAME:	RADIO NATIONAL

DESCRIPTION:			
TEL:08-6610733 FAX:08-6890312			
FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE TOTAL
ENGINEER: Y.H	PLANNER: D.H	03-21-18	8 15



CONTROL DRAWING



AIR CONDITION START WORKING TEMPERATURE IS SET TO 35 DEGREES CELSIUS
AIR CONDITION STOP WORKING TEMPERATURE IS SET TO 28 DEGREES CELSIUS
HI TEMP ALARM WILL BE SET TO 45 DEGREES CELSIUS

ORION (A5)

SEE PAGE12



SIG.	STATUS	REV.NUM.	REV.DATE
D.H		1	16.08.17
D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

CUSTOMER:	BARAN
PROJECT NUM.:	PR17001828-4

PROJECT NAME:	la quiaca Medium observation system
BOARD NAME:	RADIO NATIONAL

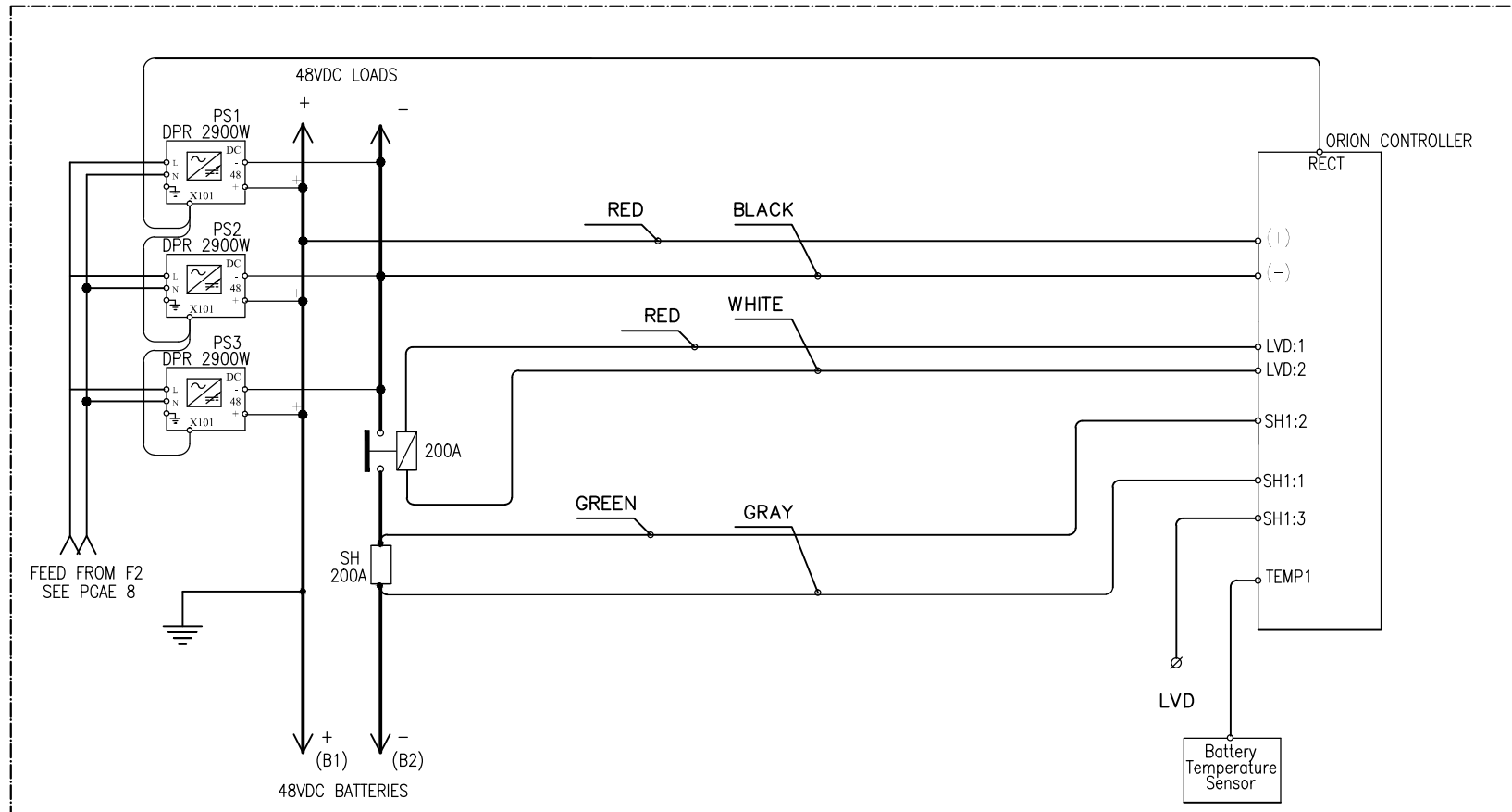
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FAX:08-6890312



FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE	TOTAL
ENGINEER: Y.H	PLANNER: D.H	03-21-18	9	15


3U \19" - AC\DC



SIG.	STATUS	REV.NUM.	REV.DATE
D.H		1	16.08.17
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D.FIELD CHANGES		3	21.03.18

CUSTOMER:	BARAN
PROJECT NUM.:	PR17001828-4

PROJECT NAME:	la quiaca Medium observation system
BOARD NAME:	RADIO NATIONAL

DESCRIPTION:			
TEL:08-6610733			
FAX:08-6890312			
FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE TOTAL
ENGINEER: Y.H	PLANNER: D.H	03-21-18	10 15

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ADAM DIGITAL INPUT

O-CABINET DOOR OPEN\CLOSE
 DI 1-NO AC FEED
 DI 2-HIGH TEMP(45c)
 DI 3-LOW DC VOLTAGE(46VDC)
 DI 4-Aviation WARNING LIGHT
 DI 5-GATE DOOR OPEN

FEED FROM
 DC/DC SHELF

MCB
 F24.4

MCB
 24.3

MCB
 12.2

MCB
 12.3

CR1
 RELPOL
 24
 VDC

CR2
 RELPOL
 24
 VDC

MOXA
 24
 VDC

MANGO
 #1
 12
 VDC

MANGO
 #2
 12
 VDC

CR3
 RELPOL
 24
 VDC

(RADAR V5) (OPTO225)

(RADWIN-
 PTMP)

RL5
 +
 -

RL4
 +
 -

RL3
 +
 -

RL2
 +
 -

RL1
 +
 -

RL0
 +
 -

ADAM 6066

ISO
 GND

DI0

DI1

DI2

DI3

DI4

DI5

GATE DOOR OPEN
 1.5 m

AMDA
 11
 12

ORION
 OUT1
 OUT2
 OUT3
 OUT4



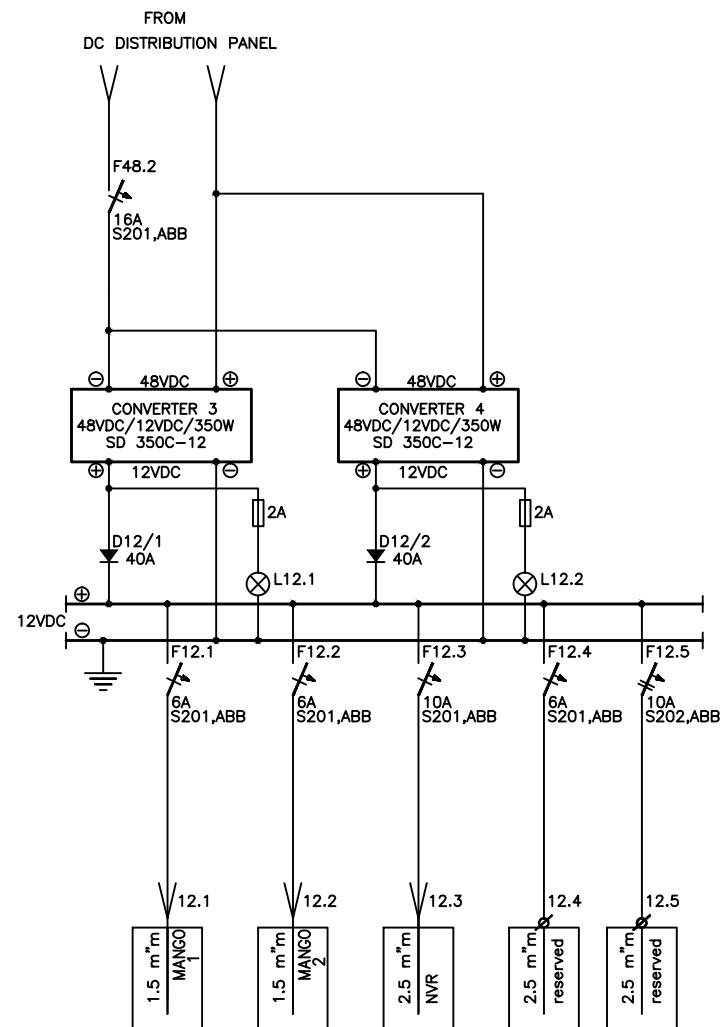
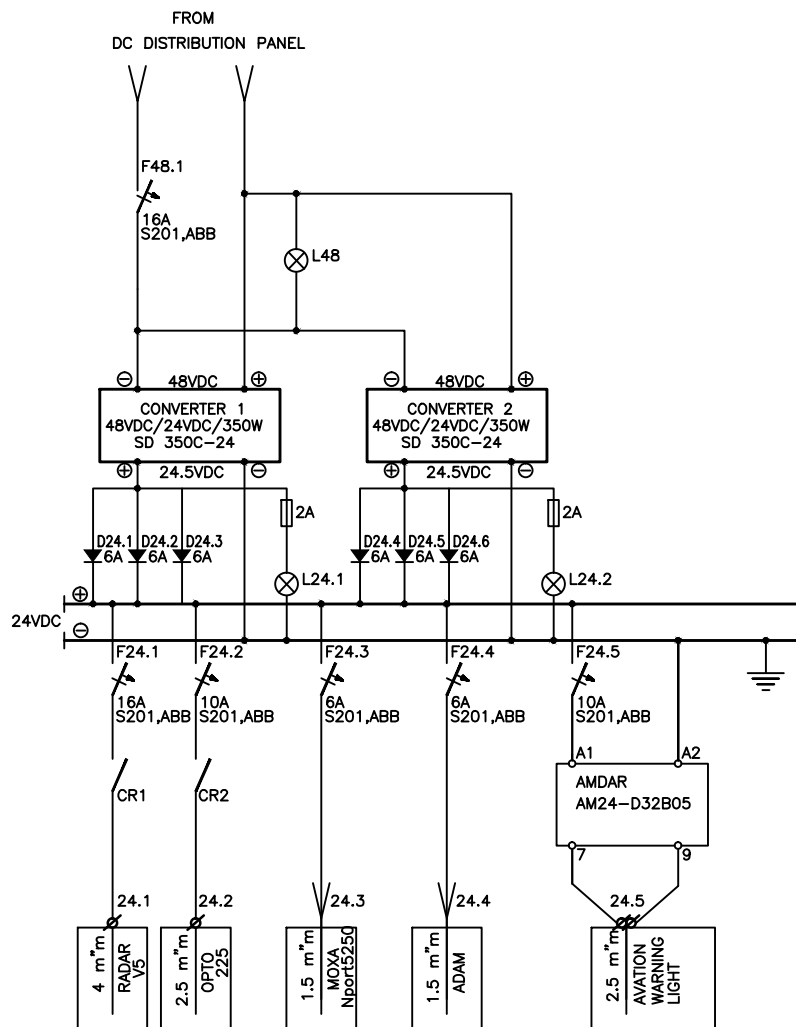
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D.H		1	16.08.17
D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

CUSTOMER: BARAN	PROJECT NUM.: PR17001828-4
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PROJECT NAME: la quiaca Medium observation system	BOARD NAME: RADIO NATIONAL
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DESCRIPTION:			
TEL:08-6610733 FAX:08-6890312			
FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE TOTAL
ENGINEER:Y.H	PLANNER:D.H	03-21-18	11 15





SIG.	STATUS	REV.NUM.	REV.DATE
D.H		1	16.08.17
D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

CUSTOMER: BARAN	PROJECT NAME: la quiaca Medium observation system
PROJECT NUM.: PR17001828-4	BOARD NAME: RADIO NATIONAL

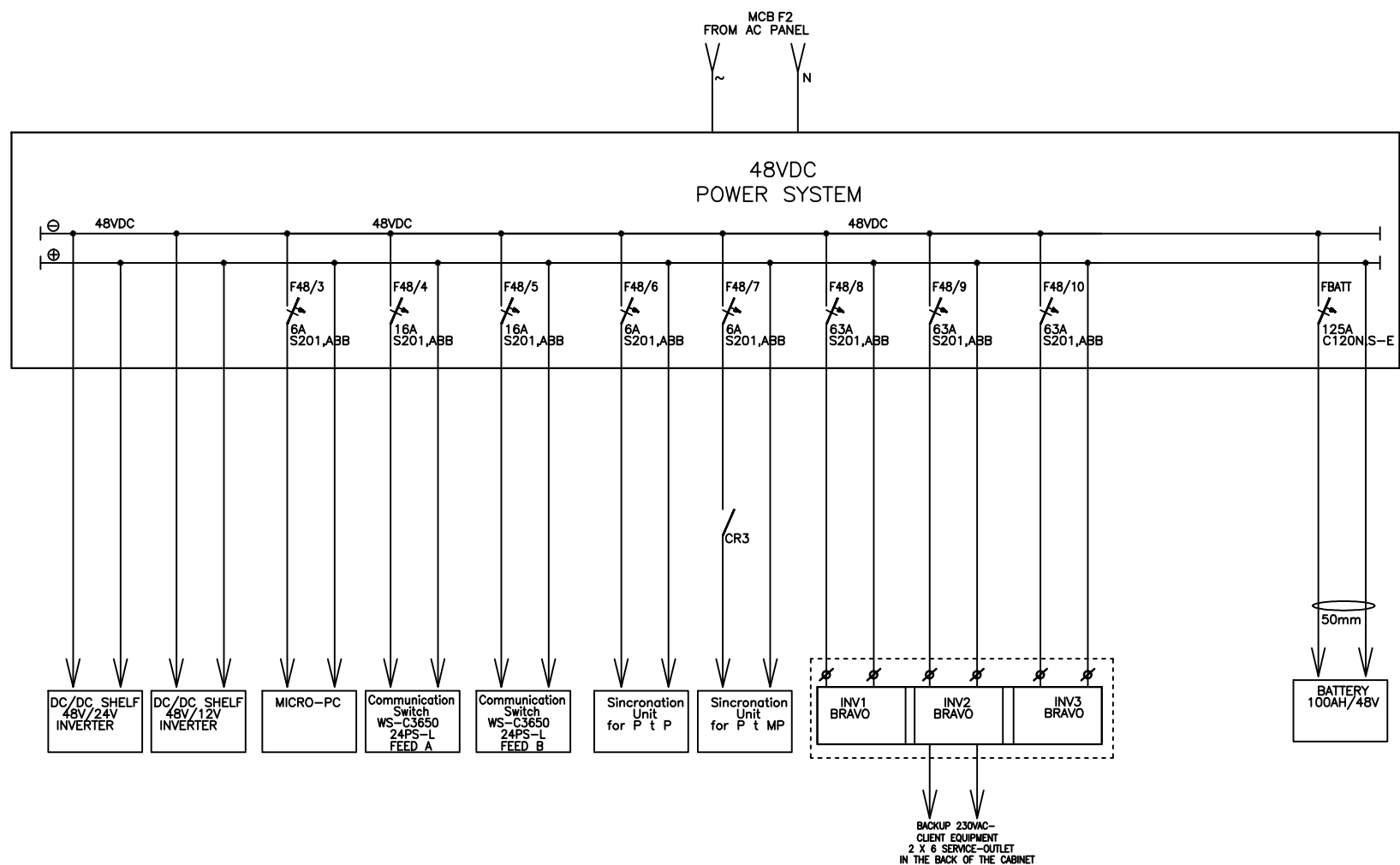
DESCRIPTION:

TEL:08-6610733
FAX:08-6890312

Smart Power Solutions
OrnetPower Ltd.

FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE	TOTAL
ENGINEER: Y.H	PLANNER: D.H	03-21-18	12	15

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SIG.	STATUS	REV.NUM.	REV.DATE
D.H		1	16.08.17
D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

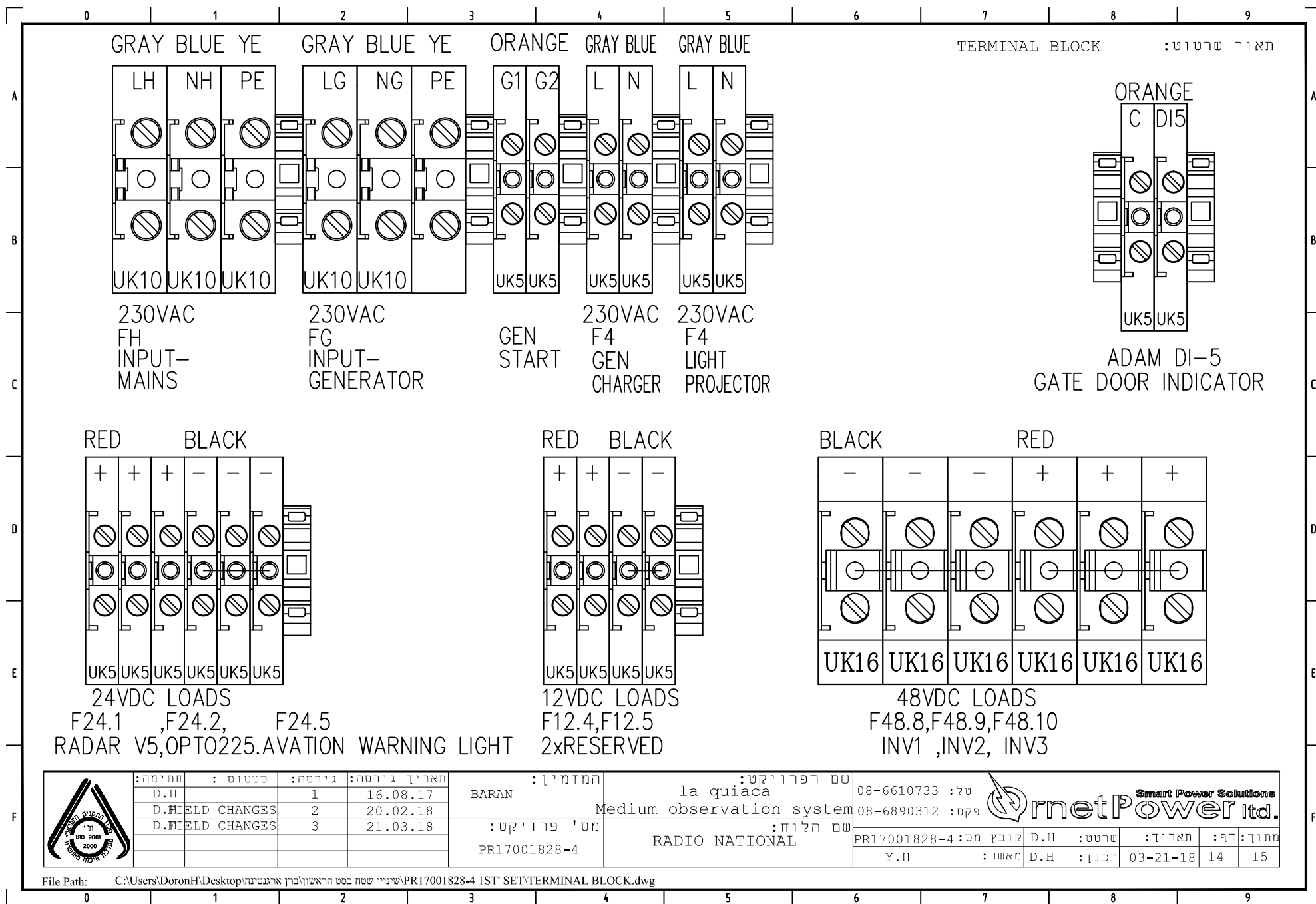
CUSTOMER:
BARAN

PROJECT NUM.:
PR17001828-4

PROJECT NAME:
la quiaca
Medium observation system

BOARD NAME:
RADIO NATIONAL

DESCRIPTION:			
TEL:08-6610733 FAX:08-6890312 Smart Power Solutions rnetPower Ltd.			
FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE TOTAL
ENGINEER: Y.H	PLANNER: D.H	03-21-18	13 15



LAN CABLE LIST-RADIO NATIONAL

Host Name	Description	Nic Physical	vmnic	IP Address	Index	Vlan	Port Chanel	Cable #			Maste r SW1 Port	Slave SW2 Port	Patch Panel 1	Patch Panel 2	Patch Panel 3	MTU	Cable Color
	Tower 3 - Point 4d - Radio National																
LQRNRADAR1	Radar V5			10.10.13.1	13	13		1a	1a / LQRNRADAR1		p1						
LQRNMANGO1	Video Encoder 1			10.10.13.7	13	13		2a	2a / LQRNMANGO1		p2						
LQRNMOXA	Camera MOXA			10.10.13.8	13	13		3a	3a / LQRNMOXA		p3						
OUT1	Out			802.1q	0	Trunk		11a	11a / OUT1		p11						
OUT2	Out			802.1q	0	Trunk		12a	12a / OUT2		p12						
LQRNCCTV1	CCTV 1			10.10.13.111	13	13		13a	13a / LQRNCCTV1		p13						
LQRNCCTV2	CCTV 2			10.10.13.112	13	13		14a	14a / LQRNCCTV2		p14						
LQRNCCTV3	CCTV 3			10.10.13.113	13	13		15a	15a / LQRNCCTV3		p15						
LQRNDVRCCTV	CCTV- DVR			10.10.13.110	13	13		16a	16a / LQRNDVRCCTV		p16						
LQRNADAM	ADAM			10.10.13.5	13	13		9a	9a / LQRNADAM		p9						
LQRNPDB	Power Distributer			10.10.13.50	13	13		18a	18a / LQRNPDB		p18						
LQRNMicroPC	MicroPC			10.10.13.101	13	13		5a	5a / LQRNMicroPC		p5						
LQRNSWITCH	Switch 2960 POE			10.10.13.254	13	13											
LQRNMANGO2	Video Encoder 2			10.10.13.77	13	13		4a	4a / LQRNMANGO2		p4						
DLP2P9	Data Link 9			10.10.90.9	90	90		1b		1b / DLP2P9		p1					
DLP2P10	Data Link 10			10.10.90.10	90	90		2b		2b / DLP2P10		p2					
SYNCBOX5	Sync Box5			802.1q200	0	Trunk		24a	24a / SYNCBOX5		p24					Trunk	
DLP2M7	Point To Multi Point Antenna 7			10.10.90.107	90	90		1b		1b / DLP2M7		p1					
DLP2M8	Point To Multi Point Antenna 8			10.10.90.108	90	90		2b		2b / DLP2M8		p2					
DLP2M9	Point To Multi Point Antenna 9			10.10.90.109	90	90		3b		3b / DLP2M9		p3					
SYNCBOX6	Sync Box6			802.1q203	0	Trunk		23a	23a / SYNCBOX6		p23					Trunk	
LQRNCONTROLLER	Generator Controller			10.10.13.51	13	13		6a	6a / LQRNCONTROLLER		p6						
	Link to Syber Switch				13	13		22a	22a /		P22						
CellularLTE	LTE Active Unit			192.168.0.100	192	192											
CellularGSM1	GSM Active Unit 1			192.168.0.101	192	192											
CellularUMTS1	UMTS Active Unit			192.168.0.102	192	192											
CellularGSM2	GSM Active Unit 2			192.168.0.103	192	192											
DFDFCC	DFCC Server			128.129.100.130	128	128											
DFAUC	GSM Monitor AUC			128.129.100.135	128	128											
DFDMU	GSM Monitor DMU			128.129.100.136	128	128											
DFRF	RF SW Module			128.129.100.141	128	128											
DFBDA	BDA			128.129.100.142	128	128											
DFSW	HPSW			128.129.100.143	128	128											
DFGMDL	DF GSM Front End D.L			128.129.100.201	128	128											
DFGSMUL	DF GSM Front End U.L			128.129.100.202	128	128											
DFCyberSW	Cyber Switch			128.129.100.250	128	128											



SIG.	STATUS	REV. NUM.	REV. DATE
D.H		1	16.08.17
D.FIELD CHANGES		2	20.02.18
D.FIELD CHANGES		3	21.03.18

CUSTOMER:
BARAN

PROJECT NUM.:
PR17001828-4

PROJECT NAME:
la quiaca
Medium observation system

BOARD NAME:
RADIO NATIONAL

DESCRIPTION:			
TEL:08-6610733			
FAX:08-6890312			
FILE NUM.:PR17001828-4	DRAWER: D.H	DATE	PAGE TOTAL
ENGINEER: Y.H	PLANNER: D.H	03-21-18	15 15