DWG NO.: A030P929(SHEET 1 OF 3)

PROJECT: ARECIBO OBSERVATORY
ONAN ORDER NUMBER: 7071681
SWBD MODEL NUMBER: PCIL2004R-772F

DRAWING NUMBERS

OUTLINE: A030S863
SCHEMATIC: A030S865
INTERCONNECTION: A030S864

E.R. NO.	LTR.	NO.	REVISION	DR	ENG	DATE
	A	-	AS BUILT	VS	VS	8/25/10

TITLE:	MATERIAL LIST-SYSTEM
CHKR:	V.SIVAN
ENG:	V.SIVAN
APPRVD:	V.SIVAN
DWG #:	A030P929

ITEM	CPG P/N	QTY	DESCRIPTION	MANUFACTURER	MANUFACTURER P/N	SPECIFICATIONS	S.L.
100	A030R458	1	Switchgear				
101	A005S153	4	NGR			0350-1246-03	
119	A005G179	4	FIRST START SENSOR	CUMMINS			
120	A001R410	4	GENSET CARD 3201	CUMMINS			
121	A032Z141	10	Sealed VRLA Battery	SAFT	12SLA50		
122	A032Z142	1	Two-tier Battery Rack	SAFT	RSL37N1-2		
123	A019P327	1	Battery Charger	SAFT	AT10-130-016-0112000		
124	A004R141	1	SHEET METAL	DETAIL METAL		TOUCH SCREEN DOOR	
125	A000R712	4	BRACKET - LIFTING				
126	A002B296	1	DOOR-UPPER MASTER LH			1/4 DOOR ABOVE TOUCH SCREEN DOOR	
127	A002A271	1	DOOR-BLANK			1/2 HIGH, 30" WIDE	
128	A002J729	1	FRAME ASSY			30"W X 90"H X 30"D	
129	A001W446	4	END COVER			30"D	
130	A001W447	2	REAR COVER			30"W	
131	A001W451	1	TOP COVER			30"W X30"D	
132	A000V731	1	GND BUS				
133	A005B956	2	PANEL-CONTROL (REAR)				
134	A005B993	4	PANEL-CONTROL (SIDE)				
135	A004D413	4	DOOR LATCH				
136	A003L123	7	HINGE				
137	A005H313	7	HINGE PIN				
138	A004L448	1	LUG - GROUND				
139	A004B301	1	LABEL-DGTL MA CONT				
140	A004C379	1	LABEL-POWER COMMAND				
141	A004B272	9	LABEL - DANGER				
142	A001X246	1	CRATE - DOMESTIC			36" X 36" X 94"	
143	A004C111	5	LABEL LOGO CUMMINS POWER GEN			LOCATE: UPPER LEFT CORNER OF EACH SECTION IN LINE-UP	
144	A004B665	5	LABEL LOGO WEB ADDRESS			LOCATE: BOTTOM OF EACH SECTION IN LINE-UP	
145	A002L124	78	1 POLE FUSE BLOCK - CLASS CC	GOULD	USCC1	600VAC	
146	A006J313	1	SOCKET-RELAY	IDEC	SY45-05 & SY4S-51F1	14 PIN	
147	A006J318	3	SOCKET-RELAY	IDEC	SR3B-05 & SR3B-02F1	11 PIN	
148	A005L063	3	TERMINAL STRIP	MODICON	170XTS00100	TERMINAL PLUG, 18 PLACE	
149	A006Z406	2	QUANTUM TERMINAL STRIP	MODICON	140XTS00200	40 TERMINALS	
150	A006L639	1	RELAY HOLD DOWN SPRING	P&B	20C217	USE WITH 307-1821 RELAY AND BASE	
151	A006F809	1	SOUND UNIT - 2800 CPS SOUND FREQUE	MALLORY	SC628	3-14 mA	
152	A000H065	1	BATTERY ASSEMBLY - STATION BATTER	CUMMINS		30" FRAME DEPTH	
153	A000H022	2	BATTERY - LEAD ACID, 6 CELL, 12VDC	VENDOR		12 AMP-HOURS	
154	A001A456	1	CONNECTOR HOUSING - 4 SOCKET, FEM	AMP	1-480703-0	MATING PLUG: 0323-1292	
155	A005H219	2	CONNECTOR CONTACT - PIN, 20 - 14 AW	AMP	350700-1	MATING SOCKET: 0323-1200	
156	A005K700	1	CONNECTOR HOUSING - 4 SOCKET, MAL	AMP	1-480702-0	MATING PLUG: 0323-1333	
157	A006J256	2	CONNECTOR CONTACT - SOCKET, 20 - 1	AMP	350551-1	MATING PIN: 0323-1199	
158	A000U193	2	MODBUS PLUS SUPER TAP	MODICON	990 NAD 230 20	W/ RJ45 PORT	
159	A001M494	2	CONNECTOR - MODBUS INLINE KIT	MODICON	AS-MBKT-085	ONE PER KIT	
160	A001M495	2	CONNECTOR - MODBUS TERMINATING K	MODICON	ASMBKT-185	TWO PER KIT	

ITEM	CPG P/N	QTY	DESCRIPTION	MANUFACTURER	MANUFACTURER P/N	SPECIFICATIONS	S.L.
161	A006Z263	1	TERMINAL - PLUGABLE, SIDE MOUNT, 24	WEIDMULLER		22 - 12 AWG	
162	A005P547	3	RELAY-CONTROL, 24VDC	DELTROL	23153-71	3 C FORM	
163	A005P569	1	RELAY-CONTROL, 24VDC	P&B	KHAU-17D16-24	4 C FORM, 1A, 30VDC / 120 VAC	
164	A001N067	12	CONTACTOR-LOW PWR COIL, 24VDC	TELEMECHANIQUE	LC1D18BL	4 NO,1 NC, 18A/32A	
165	A005R052	16	RELAY-CONTROL, 24VDC	TELEMECHANIQUE	CA4-KN22BW3	2 NO, 2 NC	
166	A005P066	2	RECTIFIER- 30A, ULTRA FAST	MICROELECTRONIC	STTH10002TV1	2 X 50A, 0.72V	
167	A005P063	6	RECTIFIER - 3A	OR SOURCE CONTR	CONTROLLED		
168	A029R452	1	ETHERNET SWITCH SPIDER II 8TX	HIRSCHMANN	943 957-001	RJ45, 10/100 MBITS	
169	A029R453	1	NETWORK MODEM (PSI-MODEM/ETH)	PHOENIX CONTACT	2313300		
170	A001N462	1	MODLON GATEWAY - MODLON II	RENU	GWY-100		
171	A002K940	15	FUSE - CLASS CC	BUSSMANN	LP-CC-8/10	600VAC	
172	A002K943	51	FUSE - CLASS CC	BUSSMANN	LP-CC-15	600VAC	
173	A002K944	12	FUSE - CLASS CC	BUSSMANN	LP-CC-10	600VAC	
174	A005F762	1	OPERATOR INTERFACE	ADVANTECH	WEBOIT-1570-CE	CE, 2 SERIAL PORTS	
175	A005P688	4	PROTECTIVE RELAY (SEL 300G MULTIFU	SCHWEITZER	0300G105325XX4X	W/ DIFFERENTIAL	
176	A005P719	2	PROTECTIVE RELAY (SEL 551 MULTIFUN	SCHWEITZER	0551003X551X	RS232 COMMUNICATION PORT	
177	A005R200	6	LOCKOUT RELAY /W INDICATOR	ELECTROSWITCH	78PA04D-011	RED LED INDICATOR, MAINTAINED CONTACTS	
178	A000H908	4	BEZEL - BREAKER STATUS LIGHTS	ELECTROSWITCH	658PB201LA	RED & GRN LED INDICATED	
179	A000C640	3	ADAPTER-COMMUNICATION	MODICON	170NEF11021	COMMUNICATION ADAPTER	
180	A004S729	1	DISCRETE INPUT/OUTPUT MODULE	MODICON	170ADM35011	24VDC	
181	A004S732	1	DISCRETE INPUT MODULE	MODICON	170ADI35000	24VDC	
182	A004S734	1	DISCRETE OUTPUT MODULE	MODICON	170ADO34000	24VDC	
183	A004S807	1	QUANTUM CPU	MODICON	140CPU43412A	2M, 486 DX2, 2 MODBUS, 1 MB+, 64K USER LOGIC	
184	A004S819	1	DISCRETE DC INPUT	MODICON	140DDI35310	24 VDC	
185	A004S937	1	POWER SUPPLY	MODICON	140CPS21400	24 VDC, 8A	
186	A004S972	1	DISCRETE RELAY OUTPUT	MODICON	140DRA84000	2A	
187	A005K541	1	ETHERNET TCP/IP AND MODBUS	MODICON	140NOE77111	10/100BASE-T ETHERNET (RJ-45) & 10BASE-FX ETHERNET (MT-RJ)	
188	A005M822	1	BACKPLANE	MODICON	140XBP00600	BACKPLANE, 6 SLOT, 265 MM, 10.4 IN	
189	A006X492	2	SWITCH-ROTARY - 3 POS, SPRG RTRN F	ELECTROSWITCH	24PB38D	20A, 1 DECK, TRIP/CLOSE	
190	A006X504	1	SWITCH ROTARY - 2 POS MAINT -ILLUM	ELECTROSWITCH	24PK204LA	20A, 4 DECK, 8 C FORM	
191	A006Z096	8	TERMINAL BLOCK	CUMMINS		6 TERMINAL	
192	A006Z109	67	TERMINAL BLOCK	WEIDMULLER	3636.6	DOUBLE LEVEL, FEED THROUGH, WITH INTERNAL LINK	
193	A006Z117	485	TERMINAL BLOCK	WEIDMULLER	3804.6	SINGLE LEVEL, FEED THROUGH	
194	A006X609	4	RELAY TEST SWITCH - 6 CURRENT, 4 PO	ABB	498A010G01		
195	A014T691	6	RELAY TEST SWITCH - 8 CURRENT	ABB	9672A10G01		
196	A000Y479	3	CABLE ASSY(ETHERNET)	BORDER STATES		PATCH CABLE,10FT, RJ45	
197	A000Y495	1	CABLE ASSY(MODLON)	CUMMINS		FOR QUANTUM TO MODLON II	
198	A000Y609	1	CABLE - DROP, MODBUS+	MODICON	990 NAD 211 10	8 FT LONG, 9 PIN 'D' SHELL	
199	A000Y808	4	CABLE-MODBUS+ TRUNK	MODICON		SPECIFY FEET NEEDED, TP-PVC VACCETED REEL	
200	A000Y856	1	CABLE - CAT IV	OR SOURCE CONTROLLED		PVC JACKET	
201	A007B041	1	3 PHASE MULTIFUCNTION DIGITAL TRAN	BITRONICS	MTWIN3B-S500-VD10	MODBUS PLUS PORT	
202	A007F833	3	TRANSFORMER-CURRENT	RUMENT TRANSFORI	190XSUM4	METERING CLASS, 25-400HZ	
203	A029V814	2000	14 AWG WIRE				
204	A029V813	500	12 AWG WIRE				