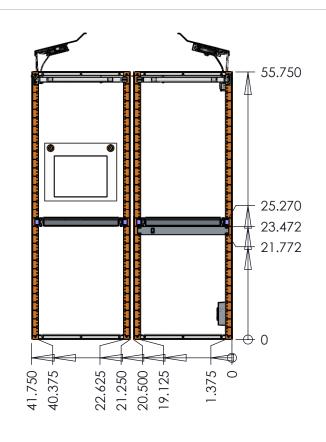
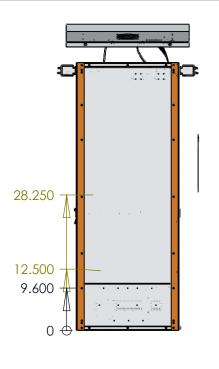
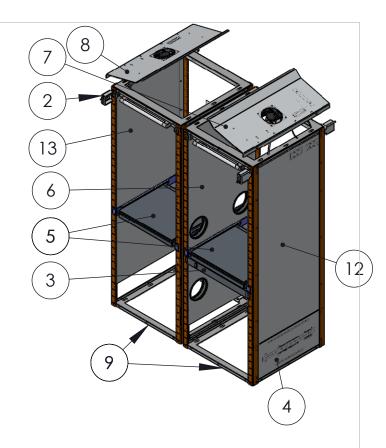


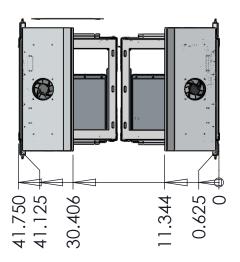
SOUTHERN MANUFACTURING MISSISSIPPI D.O.T. TYPE C CABINET BASE MOUNT/QUAD DOOR CABINET SPECIFICATONS SPECIAL PROVISION NO. 907-637-2

- 1. Cabinet (67"H. x 44"W. x 26"D.) is fabricated from .125" thk. aluminum, 5052-H32. Cabinet finish: unpainted, mill finish. All hardware (door handle, center cam, hinges, hardware, etc.) is stainless steel, type #304.
- 2. Cabinet constructed to NEMA 3R standards.
- 3. Cabinet is base mounted, open bottom, with standard CalTrans Housing #3 anchor bolt hole pattern.
- 4. Double, non-overlapping, front doors & double, non-overlapping, rear doors.
- 5. A removable door center post is provided, between each set of doors.
- 6. #2 Corbin locks for each door, with two keys.
- 7. Pad lockable 3/4" dia. stainless steel door handles, each door.
- 8. Three point door latching with nylon rollers for top and bottom strikers, each door. Door locking rods are ¼" x ¾ aluminum turned edgewise
- 9. Three position door stop rod (90°, 120°, 165°) each door.
- 10. Four stainless steel hinges per door.
- 11. Louvers and washable, 12" x 16" metal air filters (with metal filter cover) are provided in (front) left hand door and (rear) left hand door.
- 12. Neoprene door gaskets.
- 13. Screened vented top, left side & right side.
- 14. Removable fan plates for single 4" exhaust fan, one right side & one left side are provided.
- 15. Right side (front view) fan plate equipped with & wired for power connection terminal block, single 112 CFM, 115 VAC fan, fan thermostat, fuses & fuse holders for fans & lights and R/C noise suppressors for fans & lights
- 16. Left side (front view) fan plate equipped with & wired for power connection terminal block & single 112 CFM, 115 VAC fan.
- 17. (2) 19" EIA racks, w/ plated steel rack angles, tapped #10-32 holes, rack frame approx. 20.25" W x 21.125" D x 55.75" H (31 R.U.)
- 18. (4) rack side panels, 50" high x full width. Two center rack panels are each provided with four 5" dia. holes (for wiring feed-thru), each hole with protective grommet. Right rack right side panel is 45 " high due to lower right power panel.
- 19. (4) two front & two rear removable door switch/lamp brackets with (four) wired door switches and (four) wired 8w fluorescent lights are provided.
- 20. Document brackets are mounted on non-louvered doors with (1) plastic document pouch supplied with wiring schematics.
- 21. (2) rack mounted storage drawers with telescoping drawer guides to allow full extension from the rack frame, is provided. Drawer has a hinged lid to allow access to storage space, lid has non-slip plastic laminate surface. Drawer dimensions, approx., 1.75" H. x 16" W. x 14" D.
- 22. (1) lower right side mounted (silkscreened) power panel. Power panel supplied with & wired for DIN rail mounted circuit breakers, terminal blocks, power surge suppressor & one GFCI receptacle affixed with 300 watt max labels.
- 23. Upper right side mounted (silkscreened) support panel, provided with two 15 amp duplex receptacles affixed with 75 watt max labels.
- 24. Power panel, & four side panels are fabricated from .125" thk. aluminum, 5052-H32.
- 25. Cabinet is equipped with and wired for:
 - a. (2) 4", 120 Vac, 115 CFM fans
 - b. (1) fan thermostat
 - c. (1) 1 A. fuse & fuse holder for fans
 - d. (1) 5A. fuse & fuse holder for light
 - e. (4) 8 watt, fluorescent cabinet light, two front & two rear mounted
 - f. (4) door switches, two front & two rear mounted
 - g. (2) r/c networks, for fan & light
 - h. (1) rack mounted, 120 Vac, 15 A., rear facing, eight outlet, power strip, located in right hand rack









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ITEM NO.	PART NUMBER	DESCRIPTION	Qty
1	Assembly, 15a Std Outlet	Assembly, Duplex Outlet Box, w 15a Std outlet	2
2		Assembly, Door Lamp, 8w, Single Door Switch, Type F	4
3	Assy Hammond 1583H8A1	Assembly, Outlet Strip, 19", 6 Outlet, Switched, 15a, Type F	1
4	Assy PP MsDOT Type C	Assembly, Power Panel, MsDOT Type C	1
5	ASSY Sliding Drawer Type F	Assembly, Sliding Storage Drawer, 1u, Type F	2
6	Assy SP L MsDOT Type C	Assembly, Side Panel	2
7		Fan Plate Assembly, Type F, Right Side (Master)	1
8	Assy Type F FPA Slave	Fan Plate Assembly, Type F, Left Side (Slave)	1
9	Caltrán-rack-assy	Caltran EIA 19" Rack 55.75", 30u, Type F	2
10	Document Pouch	Document Pouch, 12X15, w eyelets, documentation & schematics	1
11	Label 75watt max	Label, Warning, "75 Watts Max" Make From TZ-441	4
12	Pnl-Al-45x21-RCEP-1	Right Center Equipment Panel	1
13	Pnl-Al-50x21-LOEP-1	Left Outside Equipment Panel	1

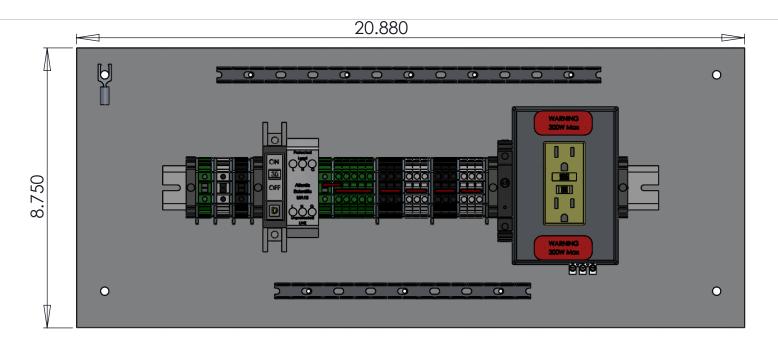
				P/N: Assy MsDOT Type C		
		NAME	DATE	Assy: Assy MsDOT Type C		
Manufacturing	DRAWN By:	LAB	2009-09-18 02:40:24 PM	Sheet1		
501 Herndon Ave Orlando, Fl. 32803 407-894-8851	CHECKED:			-		
material: 5052H-32 ALUMINUM .125" in	MFG APPR:				Rev:	
finish: MILL	Cust APPR:			Scale: 1:20 Sheet 1 of 9	SIZE A	

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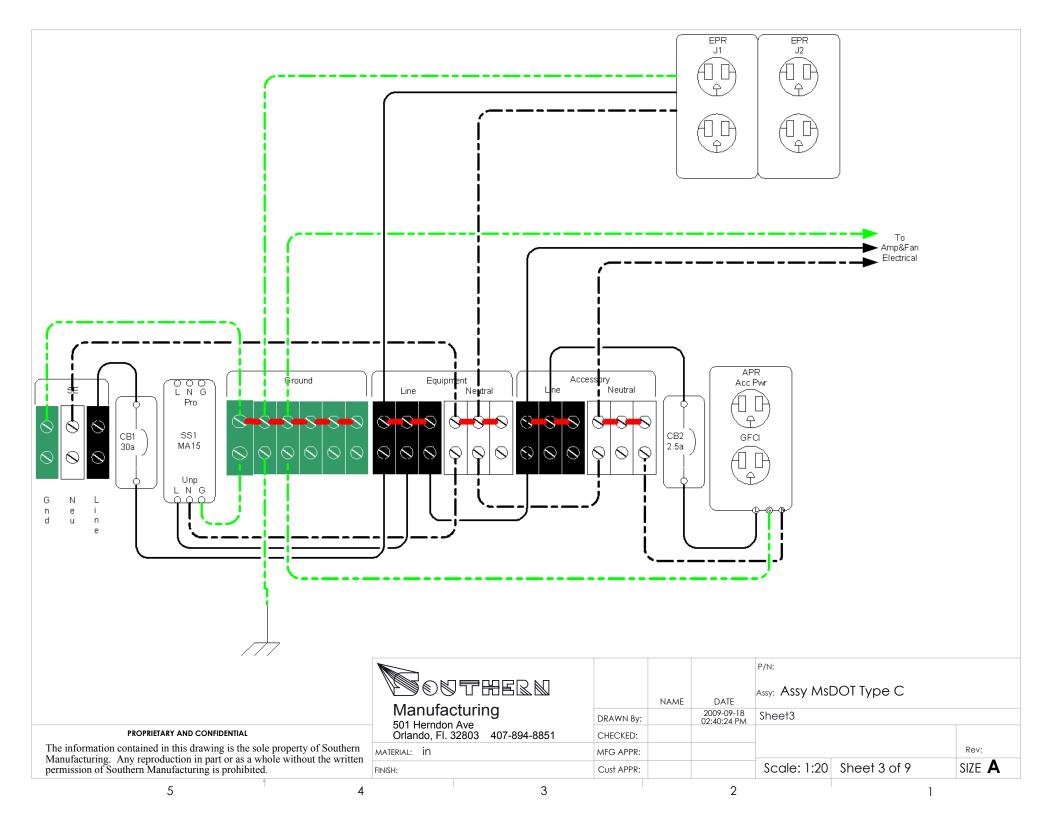


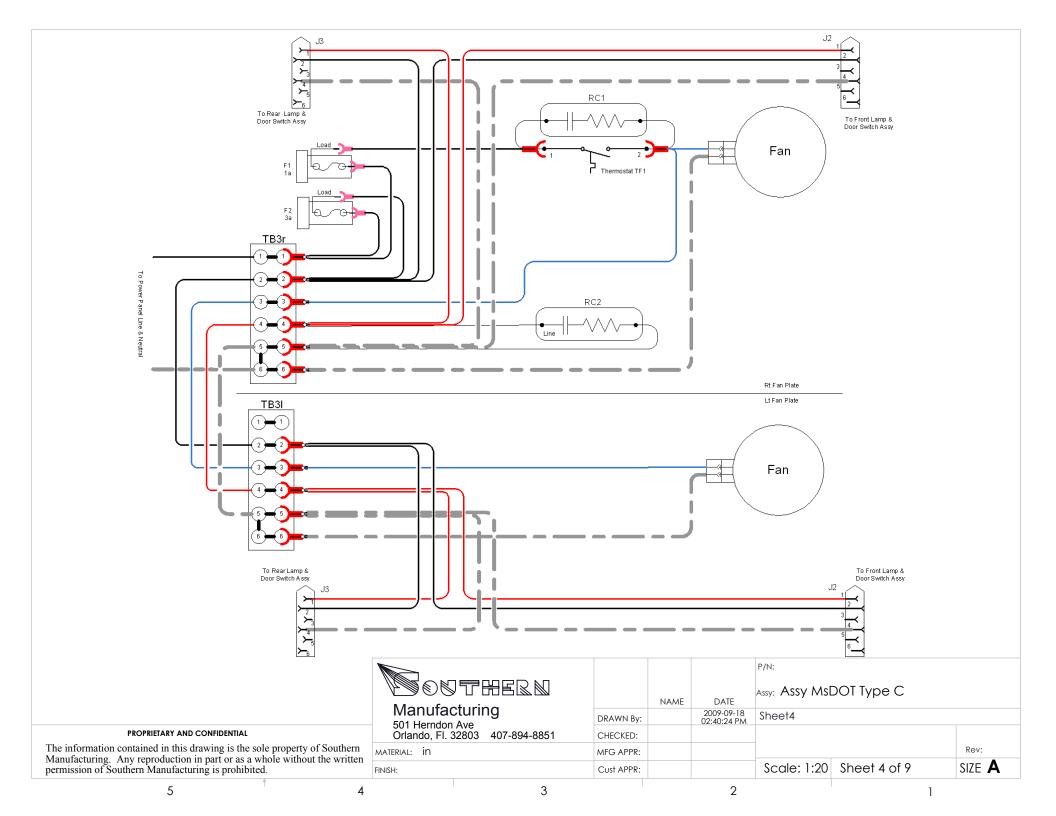
ITEM NO.	PART NUMBER	Syspro Number	DESCRIPTION	Qty
1	Allen Bradley 1492EAJ35	TERMBLOCK-AB 1492EAJ35	End Anchor, Din Rail	4
2	Atlantic Scientific 22035	SURGESUPPRESSOR-RFI-22035	Surge Supressor, MA15, 120v, 47-63 Hz AC / 140v DC, 18 kA, 15a	1
3	CA-AI-LSP-MsDOT Type F-1		Panel, Lower Side Ms DOT	1
4	Din Rail 6X285x15.5	DIN-MTG-TRACK 35MM	Din Rail, 35mm, Cut to Length 15.5"	1
5	Hubbell DRUBGF115	RECIPTICAL-GFCI-DIN-15A	Outlet Assy, Din, 15a, GFI	1
6	IBOCO7578K71x12	WIREDUCT05000625	1/2x5/8x12	1
7	IBOCO7578K71x8	WIREDUCT05000625	1/2x5/8x8	1
	Label Warning 300W		Label, Warning, "300W" Make From TZ-441	2
_	Molex 19099-0042	Production Supply	Terminal Lug, Snap Fork, Yellow (10-12 Awg), 1/4"	1
	Phoenix 3030242	JUMPER-PHOENIX FBS 3-6	Bridge UT4, 3 position	4
	Phoenix 3030349	JUMPER-PHOENIX FBS 5-6	Bridge UT4, 5 position	1
	Phoenix 3045130	TERMBLOCK-PHOENIX UT4WHUNI	Contact Block, UT4, White, 1000v, 32a, 10-26 awg	6
		TERMBLOCK-PHOENIX UT4BK	Contact Block, UT4, Black, 1000v, 32a, 10-26 awg	6
	Phoenix 3045156	TERMBLOCK-PHOENIX UT4GNUNI	Contact Block, UT4, Green, 1000v, 32a, 10-26 awg	5
	Phoenix 3046317	TERMBLOCK-PHOENIX UT10WHUNI	Contact Block, UT10, White, 1000v, 76a, 6-20 awg	1
	Phoenix 3046320	TERMBLOCK-PHOENIX UT10BK	Contact Block, UT10, Black, 1000v, 76a, 6-20 awg	1
	Phoenix 3046322	TERMBLOCK-PHOENIX UT10GN	Contact Block, UT10, Green, 1000v, 76a, 6-20 awg	2
	Phoenix 3047028	TERMBLOCK-PHOENIX D-UT	Cover Plate UT2.5/10	9
	Phoenix 3047060	JUMPER-PHOENIX RB-UT	Bridge, Stepdown, UT10-UT4	1
	Phoenix 3047167	TERMBLOCK-PHOENIX ATP-UT PRTN	Partition ATP-UT	7
	SquareD Qou130	CIRCUIT BREAKER-30A	Circuit Breaker, 115v, 30a Single Pole, Square D	1
22	Weidmeuller 9101603500	CIRCUIT BREAKER-2.5A-DIN	Circuit Breaker, 2.5A, 1 Pole, Weidmeuller	1

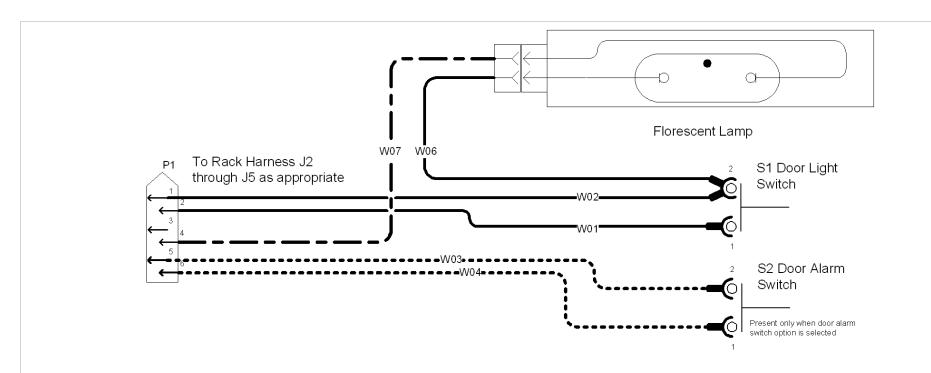
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II BREAKER-2.5A-DIN CIRCUII BIEGREI, 2.5A, I FOIE, WEIGITIEUIIEI							
				P/N: Assy PP			
		NAME	DATE	Assy: Assy MsI	DOT Type C		
Manufacturing 501 Herndon Ave	DRAWN By:		2009-09-18 02:40:24 PM	Sheet2			
Orlando, Fl. 32803 407-894-8851	CHECKED:			Assembly, Power Panel, MsDOT Type C			
material: in	MFG APPR:					Rev:	
FINISH:	Cust APPR:			Scale: 1:3	Sheet 2 of 9	SIZE A	

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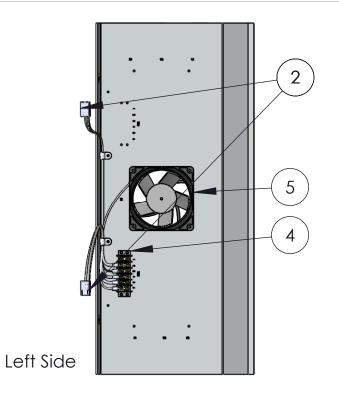
Manufacturing		NAME	DATE 2009-09-18	P/N: Assy: Assy Ms[ООТ Туре С	
501 Herndon Ave	DRAWN By:		02:40:24 PM	Sheet5		
Orlando, Fl. 32803 407-894-8851	CHECKED:					
material: in	MFG APPR:					Rev:
FINISH:	Cust APPR:			Scale: 1:20	Sheet 5 of 9	SIZE A

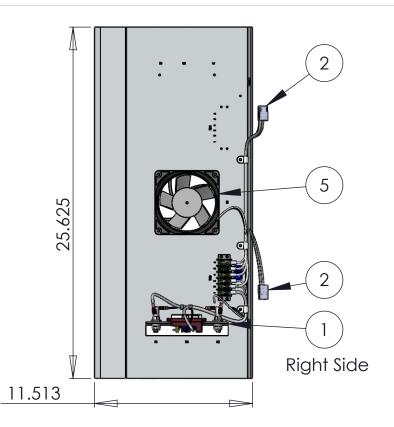
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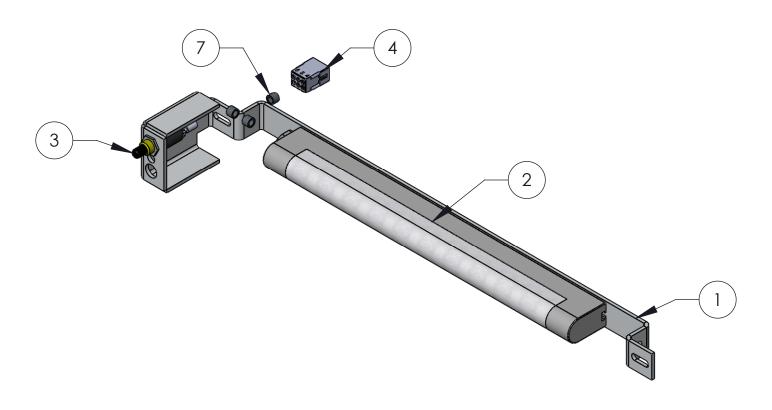




ITEM NO.	PART NUMBER	DESCRIPTION	Rt Side/QTY.	Lt Side/QTY.
1	Assy 336FPB&Parts	Fan Thermostat & Fuse Mounting Assembly	1	-
2	Assy Molex 03-09-1064	Assembly, Connector, Electrical	2	2
3	CA-67X44X26-TYPEF-FP	Type F, 4" FAN PLATE	1	1
4	Cinch 06-141	Terminal Block, 6 Position, 141 Series	1	1
5	CoolTron FA1238B11T7-61	Fan 4", 112 CFM, 120v AC, .512a, 6.1w, Ball Bearing	1	1
6	Fuse AGC-1	Fuse, 1-1/4" x 1/4", Fast Blow, 250v, 1a	1	-
7	Fuse AGC-3	Fuse, 1-1/4" x 1/4", Fast Blow, 250v, 3a	1	-
8	Mallory 504M02QA22	RC Network, 200v DC, 125v AC, .5 uF, 220 Ohm, 1/2w	1	-
9	Marathon 601 RJ2	Jumper, Terminal Block, 141/601 Series.	1	1
10	Microplastics 22CC50C0250	Loop Clamp, .250" Dia, Heavy Duty	4	3
11	Molex 19003-0013	Quick Disconnect, Female, .110" Red, 18-22 AWG	2	2
12	Molex 19099-0003	Terminal Lug, Snap Fork, Red (18-22 AWG), #8	1	-
13	Molex 19099-0009	Terminal Lug, Snap Fork, Red (18-22 AWG), #6	2	2
14	Molex 19099-0027	Terminal Lug, Snap Fork, Blue (14-16 AWG) #6	4	3
15	WireTie	Wire Tie	2	-

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Manufacturing 501 Hemdon Ave			NAME	DATE	A55y.	sDOT Type C pe F FPA R&L	
		DRAWN By:	GWM	2009-09-18 02:40:24 PM	Sheet6		
Orlando, Fl. 3		CHECKED:			Fan Plate Assembly, Type F, Left Side (Slave)		
material: in		MFG APPR:			(Siave)		Rev:
FINISH:		Cust APPR:			Scale: 1:7	Sheet 6 of 9	SIZE A
	3			2		1	

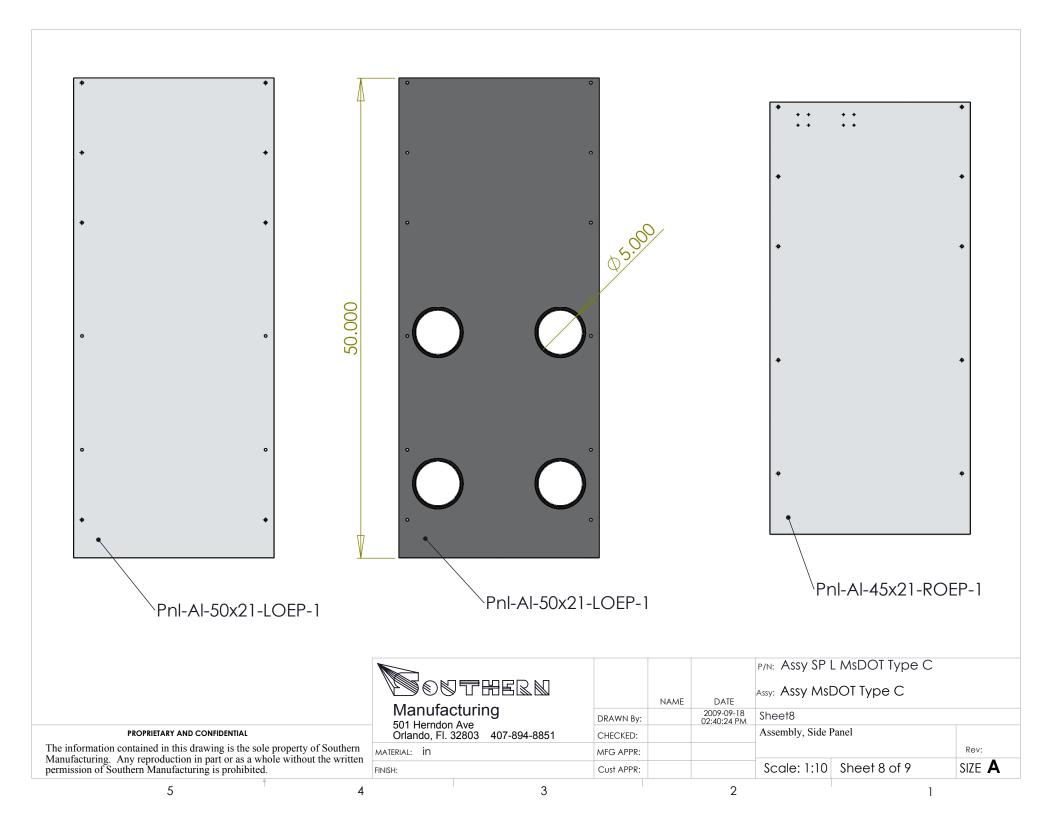


ITEM NO.	PART NUMBER	Syspro Number	DESCRIPTION	Rev	Qty
1	Bkt-al-1x19-YGLLD Mount TyF-2	Bkt-al-1x19-YGLLD Mount 336-2	Mounting Bracket, 8w YGLLD Lamp&Door Switch, Type F	2	1
2	SunPark YGLLD	FIXTURE-STRIP-13-1/2-8W	Lamp, Florescent, 120v AC, 8w, Electronic Ballast, T5 bulb	1	1
3	Eaton 8411K7	Switch-Door-PB-6a	Switch, 1p1t, no, pb, 120v, 6a	1	1
4	Molex 03-09-2062	CONNECTOR-MOLEX 03092062	Connector Body, Male 6 Pin, 250v, 14a	1	1
5	Molex 02-09-2103	CONNECTOR-MOLEX 02092103	Contact, Male, 14-20 awg	1	4
6	Molex 19099-0009	Production Supply	Terminal Lug, Snap Fork, Red (18-22 AWG), #6	1	3
7	WireTie	Production Supply	Wire Tie	1	3

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		NAME	DATE	P/N: Assy Go v2b	aDOT Type F 8w	Lamp
Manufacturing 501 Herndon Ave	DRAWN By:	GWM	2009-09-18 02:34:30 PM	Sheet7		
Orlando, Fl. 32803 407-894-8851	CHECKED:		02.04.00 1 101	Assembly, I	Ooor Lamp, 8w,	1
material: in	MFG APPR:			Single Door	Switch, Type F	Rev:
FINISH:	Cust APPR:			Scale: 1:3	Sheet 7 of 9	SIZE A

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ITEM NO.	PART NUMBER	Syspro Number	DESCRIPTION	Qty
1	2x4 NEMA 5-20 Cover	CONDUIT-BOX DUPLEX COVER	Cover, 2x4 Outlet, Standard, Duplex	2
	2x4 Utility Outlet Box	CONDUIT-0050-UTILITY BOX	Outlet Box, Steel, Duplex	2
	336fpb	336fpb	Bracket, Thermostat/Fuse Mounting	- -
5	Accuride 3832-14P Allen Bradley 1492EAJ35	SLIDE-DRAWER-14-ZP TERMBLOCK-AB 1492EAJ35	Drawer Slide, 14" End Anchor, Din Rail	4
6	Atlantic Scientific 22035	SURGESUPPRESSOR-RFI-22035	Surge Supressor, MA15, 120v, 47-63 Hz AC / 140v DC, 18 kA, 15a	+ ï
7	Bkt-al-1x19-YGLLD Mount TyF-2	Bkt-al-1x19-YGLLD Mount 336-2	Mounting Bracket, 8w YGLLD Lamp&Door Switch, Type F	4
	CA-67X44X26-TYPEF-FP	CA-67X44X26-TYPEF-FP	Type F, 4" FAN PLATE	2
	CA-AI-LSP-MsDOT Type F-1		Panel, Lower Side Ms DOT	1
	CAB-Al-336WireCover-2 Cinch 06-141	Cab-AL-336Wirecover-2	Wire Cover, 336s Rack	2
	CoolTron FA1238B11T7-61	TERMBLOCK-CINCH 6-141 FAN-4-120V-112CFM	Terminal Block, 6 Position, 141 Series Fan 4", 112 CFM, 120v AC, .512a, 6.1w, Ball Bearing	2
	Din Rail 6X285x15.5	DIN-MTG-TRACK 35MM	Din Rail, 35mm, Cut to Length15.5"	十市
	Document Pouch	DOCUMENTPOUCH-08X11	Document Pouch, 12X15, w eyelets, documentation & schematic	
	Eaton 8411K7	Switch-Door-PB-6a	Switch, 1p1t, no, pb, 120v, 6a	4
16	Fuse AGC-1 Fuse AGC-3	FUSE AGC-1 FUSE AGC-3	Fuse, 1-1/4" x 1/4", Fast Blow, 250v, 1a Fuse, 1-1/4" x 1/4", Fast Blow, 250v, 3a	+
18	GADOTA	GADOTA	Sliding Drawer Bottom	1 2
19	GADOTB	GADOTB	Sliding Drawer Top	2
	GADOTHG	GADOTHG	Hinge, Sliding Drawer	2
	GADOTMB-v2	GADOTMB-v2	GADOT Drawer Mount Bracket, Type F 332	4
	Hammond 1583H8A1 HNUT 0.2500-20-D-N	POWERSTRIP-HAMMOND 1583H8A1 Production Supply	Outlet strip, rack mounted, 1u Nut, Hex, 1/4"	8
	Hubbell DRUBGF115	RECIPTICAL-GFCI-DIN-15A	Outlet Assy, Din, 15a, GFI	1
	IBOCO7578K71x12	WIREDUCT05000625	1/2x5/8x12	$\pm \pm$
26	IBOCO7578K71x8	WIREDUCT05000625	1/2x5/8x8	Ti
	Label 75watt max		Label, Warning, "75 Watts Max" Make From TZ-441	4
	Label Warning 300W	FUCE LIQUEED O 45	Label, Warning, "300W" Make From TZ-441	2
29	Littlefuse 3453LF1-010 Mallory 504M02QA22	FUSE-HOLDER-345 NOISESUPRESSOR-MA504M02QA220	Fuse Holder, Panel Mount, 3AG, 1/4 X 1-1/4 FUSE RC Network, 200v DC, 125v AC, .5 uF, 220 Ohm, 1/2w	2 2
	Marathon 601 RJ2	JUMPER-MARATHON 601-RJ2	Jumper, Terminal Block, 141/601 Series.	2
	McMaster 9600K36	GROMMET-MC-9600K36	Grommet, Insulating, 3/4" KO Outlet Box	2
	Microplastics 22CC50C0250	Production Supply	Loop Clamp, .250" Dia, Heavy Duty	7
	Molex 02-09-1104	CONNECTOR-MOLEX 02091102	Contact, Female, 14-20 awg, 02-09-1102 is a substitute.	16
	Molex 02-09-2103	CONNECTOR-MOLEX 02092103	Contact, Male, 14-20 awg	16
37	Molex 03-09-1064 Molex 03-09-2062	CONNECTOR-MOLEX 03091064 CONNECTOR-MOLEX 03092062	Connector Body, Female, 6 Pin, 250v, 14a Connector Body, Male 6 Pin, 250v, 14a	4
38	Molex 19003-0011	Production Supply	Quick Disconnect, Female, .187" Red, 18-22 AWG	4
	Molex 19003-0013	Production supply	Quick Disconnect, Female, .110" Red, 18-22 AWG	4
	Molex 19099-0003	Production Supply	Terminal Lug, Snap Fork, Red (18-22 AWG), #8	
41	Molex 19099-0009	Production Supply	Terminal Lug, Snap Fork, Red (18-22 AWG), #6	16
	Molex 19099-0019 Molex 19099-0027	Production Supply Production Supply	Terminal Lug, Snap Fork, Blue (14-16 Awg), #8 Terminal Lug, Snap Fork, Blue (14-16 AWG) #6	2
	Molex 19099-0042	Production Supply	Terminal Lug, Snap Fork, Yellow (10-12 Awg), 1/4"	+1
45	MSHXNUT 0.138-32-S-N	Production Supply	Hex Nut	10
	NEMA 5-15	RECEPTACLE-DÚPLEX	Outlet Receptacle, 125v, 15a, Standard	2
	PAD-VINYL-13X15.5	PAD-VINYL-13X15.5	Borco Pad for sliding drawer	2
	Panduit Grommet 5 PEM CLSS-032-3N	Production Supply	Description	8 32
	PEM FH-032-10 XS	Production Supply		10
51	Phoenix 3030242	JUMPER-PHOENIX FBS 3-6	Bridge UT4, 3 position	4
52	Phoenix 3030349	JUMPER-PHOENIX FBS 5-6	Bridge UT4, 5 position	
	Phoenix 3045130	TERMBLOCK-PHOENIX UT4WHUNI	Contact Block, UT4, White, 1000v, 32a, 10-26 awg	6
	Phoenix 3045143 Phoenix 3045156	TERMBLOCK-PHOENIX UT4BK TERMBLOCK-PHOENIX UT4GNUNI	Contact Block, UT4, Black, 1000v, 32a, 10-26 awg Contact Block, UT4, Green, 1000v, 32a, 10-26 awg	5
	Phoenix 3045156 Phoenix 3046317	TERMBLOCK-PHOENIX UT4GNUNI	Contact Block, UT14, Green, 1000v, 32a, 10-26 awg Contact Block, UT10, White, 1000v, 76a, 6-20 awg	+
	Phoenix 3046320	TERMBLOCK-PHOENIX UT10BK	Contact Block, UT10, Black, 1000v, 76a, 6-20 awg	+
58	Phoenix 3046322	TERMBLOCK-PHOENIX UT10GN	Contact Block, UT10, Green, 1000v, 76a, 6-20 awg	2
	Phoenix 3047028	TERMBLOCK-PHOENIX D-UT	Cover Plate UT2.5/10	9
	Phoenix 3047060	JUMPER-PHOENIX RB-UT	Bridge, Stepdown, UT10-UT4	1 7
	Phoenix 3047167 Pnl-Al-45x21-RCEP-1		Partition ATP-UT Right Center Equipment Panel	++
	PnI-AI-40X21-RCE1-1		Left Center Equipment Panel	1 2
64	Rivet #66x375		Rivet, Large, Stainless Steel	10
	SquareD Qou130	CIRCUIT BREAKÉR-30A	Circuit Breaker, 115v, 30a Single Pole, Square D	
	SunPark YGLLD	FIXTURE-STRIP-13-1/2-8W	Lamp, Florescent, 120v AC, 8w, Electronic Ballast, T5 bulb	4
	TYPEF-RA TYPEF-RTB	TYPEF-RA TYPEF-RTB	Rack Angle, Type F Rack Top/Bottom Type F	8
	Weidmeuller 9101603500	CIRCUIT BREAKER-2.5A-DIN	Circuit Breaker 2.5A 1 Pole Weidmeuller	++
70	White Rodgers 757-1	Thermostat-Fan-8a	Circuit Breaker, 2.5A, 1 Pole, Weidmeuller Thermostat, Fan, 120v AC, 8a	+
71	WireTie	Production Supply	Wire Tie	14
72	Pnl-Al-50x21-LOEP-1		Left Outside Equipment Panel	

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PROHIBITED.

		NAME	DATE	DWG. NO.
	DRAWN	GWM		Assy MsDOT Type C
	CHECKED			_
Manufacturing	ENG APPR.			
501 Herndon Ave	MFG APPR.			
Orlando, Fl. 32803 407-894-8851	Q.A.			
	COMMENTS	i:		
material 5052H-32 Aluminum				SIZE REV
FINISH MILL	-			A BOM
THROTT				SCALE:1:10 WEIGHT: SHEET 9 OF 9