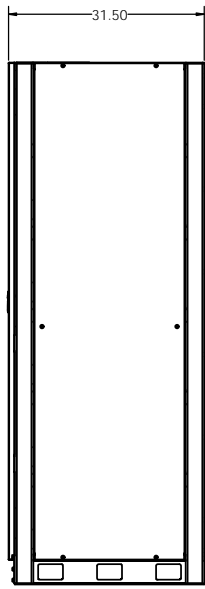
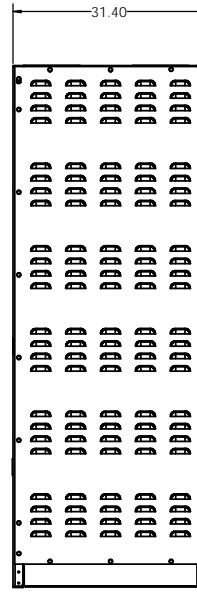


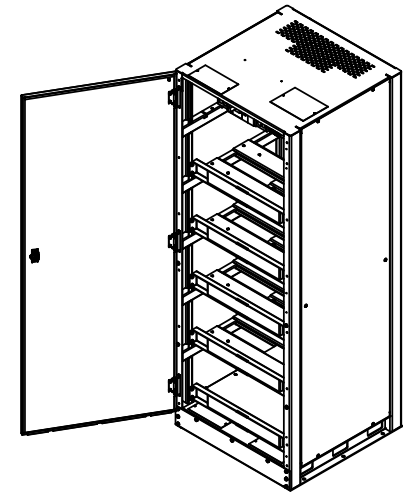
FRONT VIEW



SIDE VIEW



REAR VIEW



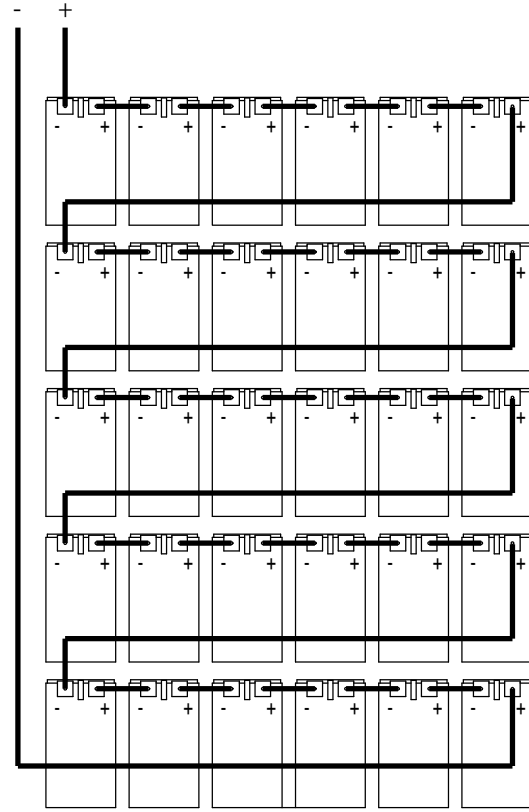
CABINET NOTES:

1. NEMA 1 DESIGN.
2. EMPTY CABINET WEIGHT: 600 LBS. (250KG)
3. UL 1778 LISTED AND FULLY TESTED AT THE FACTORY PRIOR TO SHIPPING.
4. FULLY WELDED FRAME. MANUFACTURED FROM HEAVY GAUGE STEEL.
5. POWDER COATED WITH A CORROSION RESISTANT, EPOXY HYBRID POWDER USING A FIVE STAGE EMERSION PRETREATMENT PROCESS.
6. BATTERIES CAN BE ACCESSED FROM FRONT, REAR, AND BOTH SIDES.
7. CUSTOM DESIGNED PALLETS FOR SHIPPING ANYWHERE, LOCALLY AND GLOBALLY.
8. BATTERY CABINET CAN BE MOVED WITH A NORMAL PALLET JACK FROM FRONT AND REAR.
9. STANDARD AND CUSTOM SPILL CONTAINMENT OPTIONS ARE AVAILABLE.
10. SEISMICALLY CERTIFIED TO IBC (2012), ASCE 7-10, AND CBC (2010) CODES. DESIGN MEETS DEFAULT SEISMIC DESIGN CATEGORY D (Ss=2.9), IMPORTANCE FACTOR 1.5, AND HORIZONTAL STATIC ACCELERATION OF .817g.

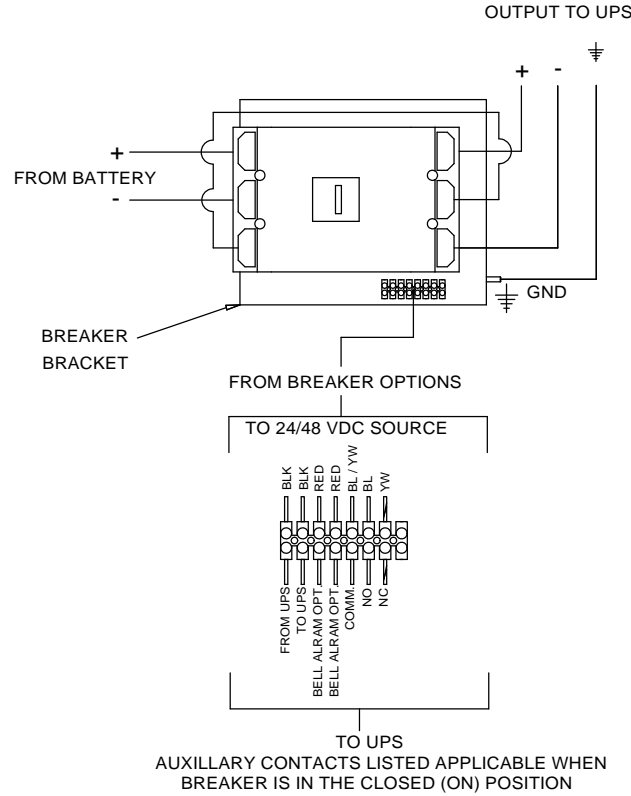
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TITLE: BATTERY CABINET, 16V FT, 6 X 5, TOP BREAKER, EFC5B					
PROJECTION:	NAME	DATE	SIZE	DWG. NO.	REV
DRAWN BY: RNA		02-24-12	D	EFC5B-SPEC	C
SCALE: 1:16				SHEET 1 OF 3	

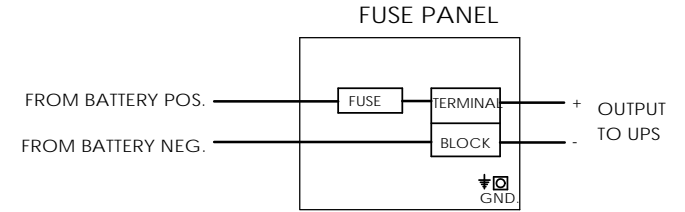
TO BREAKER OR FUSE PANEL



### BREAKER DETAIL



### FUSE OPTION





BATTERY CONFIGURATION TABLE		
	BATTERY MANUFACTURER	MAXIMUM NUMBER OF BATTERIES PER CABINET
	ENERSYS	
BATTERY MODEL NUMBER	16HX550F-FR	30

#### ELECTRICAL NOTES:

1. ALL CABLES ARE UL LISTED.
2. ALL BREAKERS ARE UL RECOGNIZED.
3. ALL FUSES ARE UL RECOGNIZED, TYPE A50P, A70P OR EQUIVALENT. (FUSED CABINETS ARE NOT LISTED IN UL FILE). ALWAYS REPLACE WITH SAME TYPE OR ITS EQUIVALENT.
4. TERMINAL BLOCKS ARE UL RECOGNIZED, 600V RATED.
5. CABINETS ARE SHIPPED WITH THE BREAKER IN THE TRIPPED POSITION.
6. CABINET GROUND CONNECTION IS A 5/16-18 THREADED STUD.
7. CABLES BETWEEN BATTERY CABINET TO UNINTERRUPTIBLE POWER SUPPLY ARE OPTIONAL.

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PROJECTION: 		TITLE: BATTERY CABINET, 16V FT, 6 X 5, TOP BREAKER, EFC5B	
DRAWN BY: RNA	DATE: 02-24-12	SIZE: <b>D</b>	DWG. NO.: EFC5B-SPEC
SCALE: 1:16		SHEET 2 OF 3	

ESS FRONT TERMINAL CABINET SYSTEM MATRIX											
ESS EFC5B CABINET WITH BREAKER SYSTEM PART NUMBERS											
DIGIT 1	DIGIT 2	DIGIT 3	DIGIT 4	DIGIT 5	DIGIT 6	DIGIT 7	DIGIT 8-9	DIGIT 10-14	DIGIT 15	DIGIT 16-17	DIGIT 18
CABINET MODEL											
TYPE OF BATTERY	TYPE OF CABINET OR RACK	NUMBER OF TIERS	BATTERY TYPE	COLOR	HEIGHT (INCHES)	BATTERY QUANTITY	BATTERY MODEL PER MANUFACTURER	BREAKER OR FUSE	AMPS	BREAKER OPTION	
E = ESS STANDARD	F = FRONT TERMINAL	C = CABINET W/TOP BREAKER	S = 5 TIER OF BATTERIES	B = 16V FT 550	**A = BLACK	**A = 84	30	ENERSYS	B = BREAKER	01 = 1000 AMPS	A = 24 VDC SHUNT TRIP, AUX CONTACT
C = CENTER TAP CABLING					B = BEIGE		27	HX550 - 16HX550F-FR	H = BREAKER W/HANDLE OPTION	02 = 800 AMPS	B = 48 VDC SHUNT TRIP, AUX CONTACT
S = SPLIT BUS CABLING					C = LIEBERT GRAY		24			03 = 700 AMPS	C = 24 VDC UVR, AUX CONTACT
					D = MITSUBISHI BEIGE		18			04 = 600 AMPS	D = 48 VDC UVR, AUX CONTACT
					E = MGE WHITE					05 = 500 AMPS	E = 120 VDC SHUNT TRIP, AUX CONTACT
					F = TOSHIBA BLACK					06 = 450 AMPS	F = 240 VDC SHUNT TRIP, AUX CONTACT
					G = GE WHITE					07 = 400 AMPS	G = 120 VDC UVR, AUX CONTACT
					H = LIEBERT BLACK					08 = 350 AMPS	H = 240 VDC UVR, AUX CONTACT
					I = EATON BLACK					09 = 300 AMPS	J = 24VDC UVR W/BELL ALARM
					J = LIGHT GRAY					10 = 250 AMPS	K = BELL ALARM
										11 = 225 AMPS	
										12 = 200 AMPS	
										13 = 175 AMPS	
										14 = 150 AMPS	
										15 = 125 AMPS	
										16 = 100 AMPS	
										17 = 75 AMPS	
										18 = 50 AMPS	
										19 = 40 AMPS	
										20 = 30 AMPS	
<p>▶ **REPRESENTS STANDARD COLOR FOR ALL ESS CABINETS (DIGIT 6)</p> <p>▶ **REPRESENTS ESS STANDARD HEIGHT OF TOP TERMINAL BATTERY CABINETS (DIGIT 7) ONLY HEIGHT AVAILABLE FOR THIS CABINET</p>											

**PART NUMBER GUIDE:**

1. REFERENCE THE BATTERY PART NUMBER GUIDE TABLE WHEN ORDERING A CABINET.
  2. WHEN PLACING ORDER, INDICATE THE QTY OF CABINETS. NO DASHES ARE TO BE INCLUDED IN PART NUMBER. OVERALL PART NUMBER OF SYSTEM IS ALWAYS 18 DIGITS LONG.
  3. THE BASE NUMBER (DIGITS 1-5) WILL ALWAYS BE THE SAME.
  4. DIGITS 6-7 WILL FOLLOW THE BASE NUMBER INDICATING THE COLOR AND HEIGHT OF THE CABINET.
  5. DIGITS 8-18 MAKE UP THE REST OF THE SYSTEM PART NUMBER WHICH INCLUDE OPTIONS FOR BATTERY QUANTITIES, BATTERY MODEL, AND BREAKER OPTIONS.
  6. EXAMPLE: **EFC5BAA** - THIS REPRESENTS A STANDARD **EFC5B** CABINET, WITH A POWDER COAT FINISH OF STANDARD BLACK AND 84.00" HEIGHT.
- ▶ PLEASE NOTE, ONLY STANDARD CABINETS (COLOR AND HEIGHT) ARE IN STOCK. MINIMUM ORDERS OF 20 OR MORE CABINETS ARE REQUIRED FOR NON STANDARD CABINETS UNLESS IT IS THROUGH OEM CONTRACTS.

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SCALE: 1:12				SHEET 3 OF 3	