

SYSTEM SPECIFICATIONS

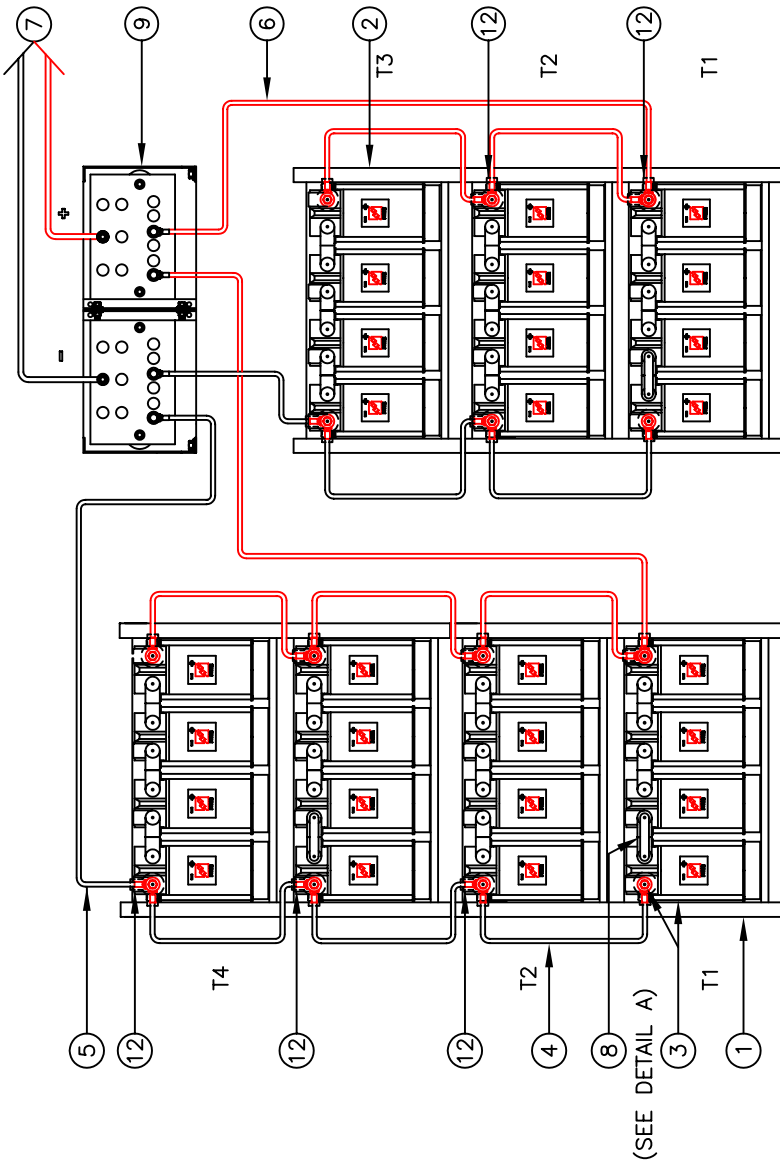
SYSTEM MODEL NO.: EZS-48840
 SYSTEM RATING: 84 AMPS FOR 8 HOURS TO 1.75 VPC.
 RECOMMENDED SYSTEM FLOAT VOLTAGE: 54 MIN. 55.2 MAX.
 SYSTEM CUTOFF VOLTAGE: 42
 FULL LOAD CURRENT: 84 ADC
 FULL LOAD CURRENT PER SERIES CIRCUIT: 12 ADC
 OPEN CIRCUIT VOLTAGE: 49.6-51.6 VDC

NOTE: SYSTEM IS SIZED TO ACCOMODATE A 250 AMP SPIKE

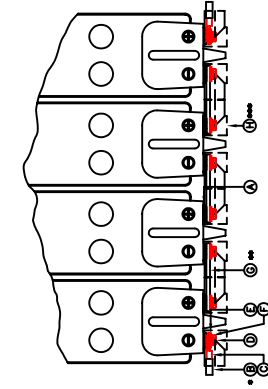
- ① ALL RECOMMENDED CUSTOMER'S CABLE GAUGES ARE BASED ON TABLE 310-16 OF N.E.C. USING 75°C CABLE IN 30°C AMBIENT.
- ② USE INSULATED TOOLS FOR CABINET INSTALLATION. DO NOT ALLOW TOOLS OR CABLES TO REST ON BATTERIES.

PARALLEL CONNECTOR:
 WIRE SIZE WILL BE SPECIFIED AS PER GAUGE (MINIMUM) TO BE USED. LENGTHS OF CABLE TO JUNCTION BOX SHOULD BE MADE SO THAT THE TOTAL LENGTH OF CABLES PER STRING IS EQUAL. THIS WILL MINIMIZE VARIATIONS OF RESISTANCE IN EACH STRING. HENCE EQUALLY DISTRIBUTE LOAD CURRENTS.

NOTE:
 * ALTERNATE METHOD MAY BE USED TO CONNECT TWO SYSTEMS ACCORDING TO CUSTOMERS SPECIFICATIONS.



WIRING DIAGRAM

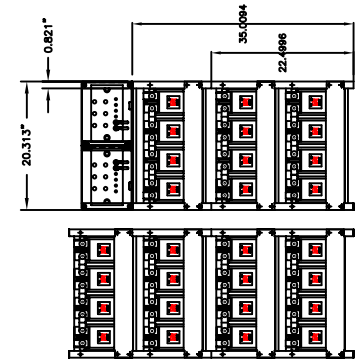
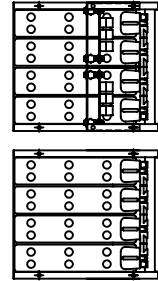


ITEM	DESCRIPTION
H	BUS BAR COVER
G	BUS BAR
F	SPRING LOCK WASHER
E	WASHER
D	CABLE LUG
C	CABLE
B	NUT

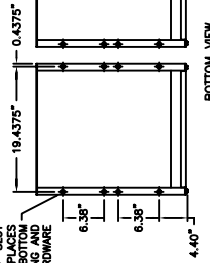
* USE (D) FLAT WASHER WHEN CABLES ARE BEING USED
 ** USE (E) FLAT WASHER WHEN BUS IS TO BE USED
 *** BUS BAR BOLTS SHALL BE USED IN EACH CONNECTION
 NOTE: ALL CONNECTIONS MUST BE RETORQUED ANNUALLY TO 115 IN-LES.

IMPORTANT NOTE

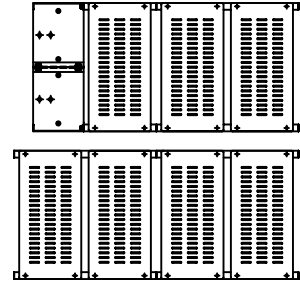
ALL CONNECTIONS TO BE RETORQUED ANNUALLY.
 ALL CONNECTIONS MUST BE CHECKED FOR PROPER TORQUE PRIOR TO START UP OR ENERGIZING OF SYSTEM.



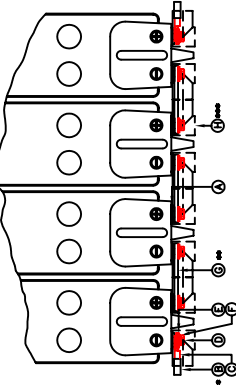
FRONT VIEW



BOTTOM VIEW



BACK VIEW



SIDE VIEW

IMPORTANT NOTE
 THE CUSTOMER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THIS EQUIPMENT IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS
 PLEASE REFER TO NEC 2008 SECTION 480-9 FOR THE REQUIREMENTS ON WORKING SPACES.

NOTE:
 CABLES SIZED TO RESTRICT A VOLTAGE DROP OVER 2%

NO.	DESCRIPTION	QTY.	PART NO.
12	TERMINAL BOOTS (956D9V14)	6	AC-0011
11	EZ STACKING HARDWARE KIT	3	HK-0003
10	EZ ASSEMBLY HARDWARE KIT	7	HK-0001
9	EZ BUSBAR ASSEMBLY	1	EZ-9017
8	BUSBAR (THICK)	21	CG-0063
7	CABLE DOUBLE RUN 2/0 GA. MINIMUM 2x2	2x2	2/0-55BE
6	CABLE DOUBLE RUN 2/0 GA. 55" LG. 2x2	2/0-55BE	2/0-55BE
5	CABLE DOUBLE RUN 2/0 GA. 30" LG. 2x2	2/0-30BE	2/0-30BE
4	CABLE DOUBLE RUN 2/0 GA. 12" LG. 10x2	2/0-12B	2/0-12B
3	BATTERY/BOOTS/HARDWARE	28	PSG-12120F
2	RACK	1	EZS1
1	RACK	3	EZS1

NO.	REVISIONS	DATE	BY	SCALE	NO. OF SHEETS	TOTAL SHEETS	OWNER/IN.	DATE	PROJECT	OWNER/NO.
1				NONE			Kimberly			
2										
3										
4										
5										

POWER
 POWER BATTERY COMPANY, INC.
 BATTERY SYSTEM LAYOUT FOR
 (4) EZ RACK (48 V.) WITH
 (28) 12 VOLT BATTERIES
 DRAWING NO.: EZS-48840