

Notes: Unless otherwise specified, dimensions are in inches. Dimensions within brackets [ ] are in millimeters.  
 Recommended clearance for serviceability is 36" [914] on the left side, 18" [457.2] on the right side and 18" [457.2] at the back of the system.

**LTI Power Systems, Inc.**

TEL. (440) 327-5050

10800 Middle Ave. Elyria, Ohio 44035

ProUPS B800 ENCLOSURE  
 10-40KVA

10KVA WEIGHT: 860 LBS. (390 kg)  
 15KVA WEIGHT: 950 LBS. (431 kg)  
 20KVA WEIGHT: 1058 LBS. (480 kg)  
 30KVA WEIGHT: 1150 LBS. (522 kg)  
 40KVA WEIGHT: 1220 LBS. (554 kg)

LTI - ProUPS

CAD DWG NAME: RK333-A2

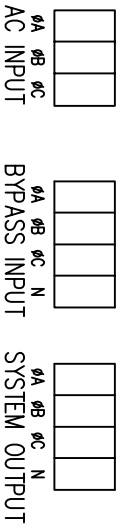
REV.

2

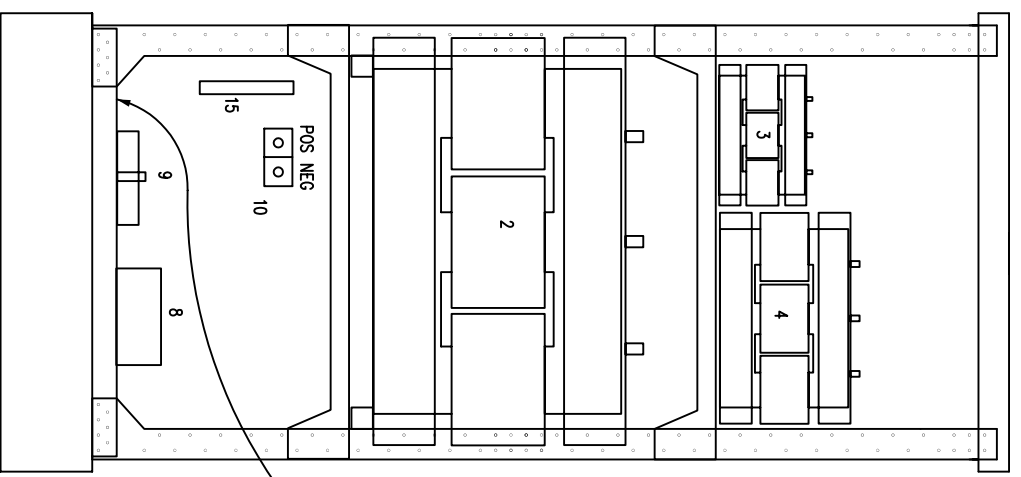
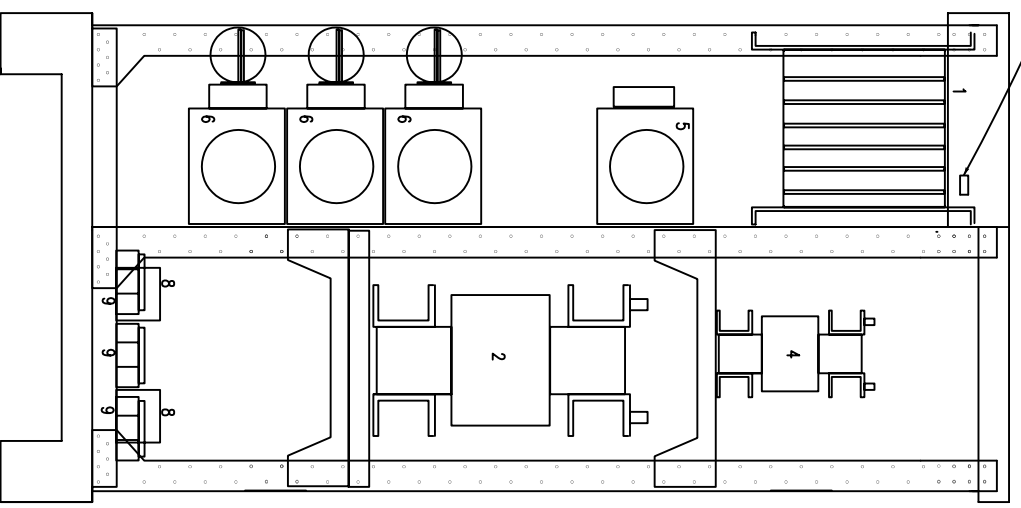
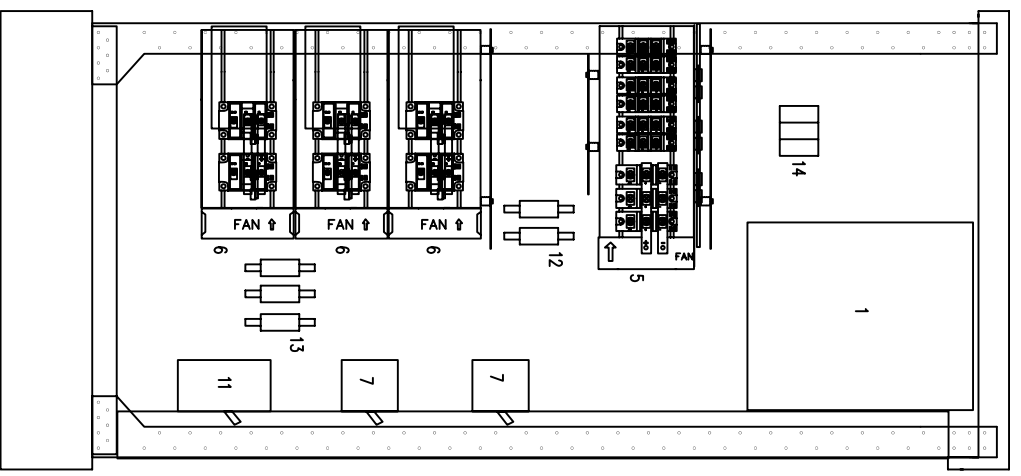
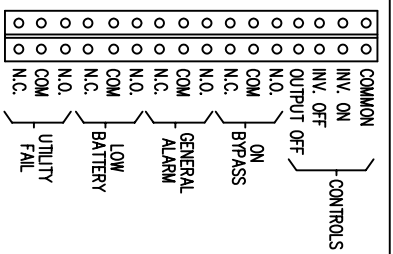
- 1 - ELECTRONICS RACK
- 2 - INVERTER TRF.
- 3 - AC CHOKE
- 4 - AUTODYMR.
- 5 - RECT/STAT. SWITCH POWER PACKS
- 6 - INVERTER POWER PACK
- 7 - MGBS
- 8 - RFI FILTERS

- 9 - TERMINALS
- 10 - BATTERY TERMINALS
- 11 - BATTERY BREAKER
- 12 - INVERTER FUSES
- 13 - BYPASS FUSES
- 14 - pf CORRECTION FUSES
- 15 - RELAY INTERFACE TERMINALS

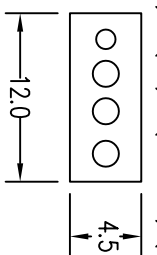
TERMINATION CONFIGURATION (BOTTOM, FRONT)  
 TERMINAL BLOCK CAPACITY: 2/0 TO 14 GA.



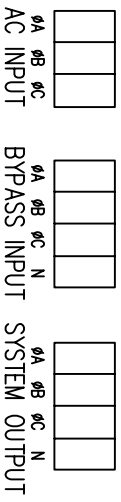
RELAYS RATED 1A @ 24VDC, 0.5A @ 120VAC RESISTIVE  
 RELAY INTERFACE TERMINATIONS:  
 WIRE RANGE: 20-14 AWG



25KVA CONFIGURATION  
 1" CONDUIT BATTERY  
 1/2" CONDUIT (AC)  
 3/4" CONDUIT (BYPASS)  
 3/4" CONDUIT (OUTPUT)

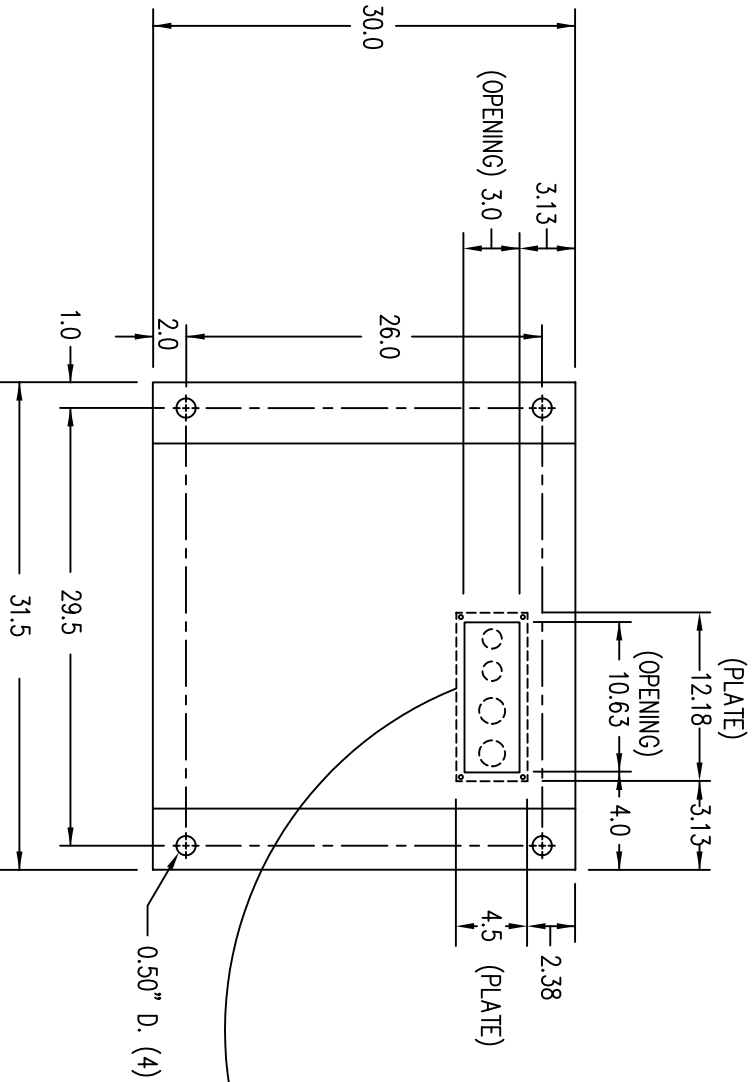


TERMINATION CONFIGURATION (BOTTOM, FRONT)  
 TERMINAL BLOCK CAPACITY: 2/0 TO 14 GA.

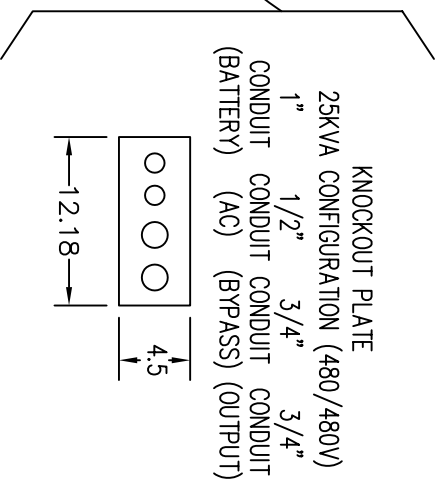


NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

FRONT

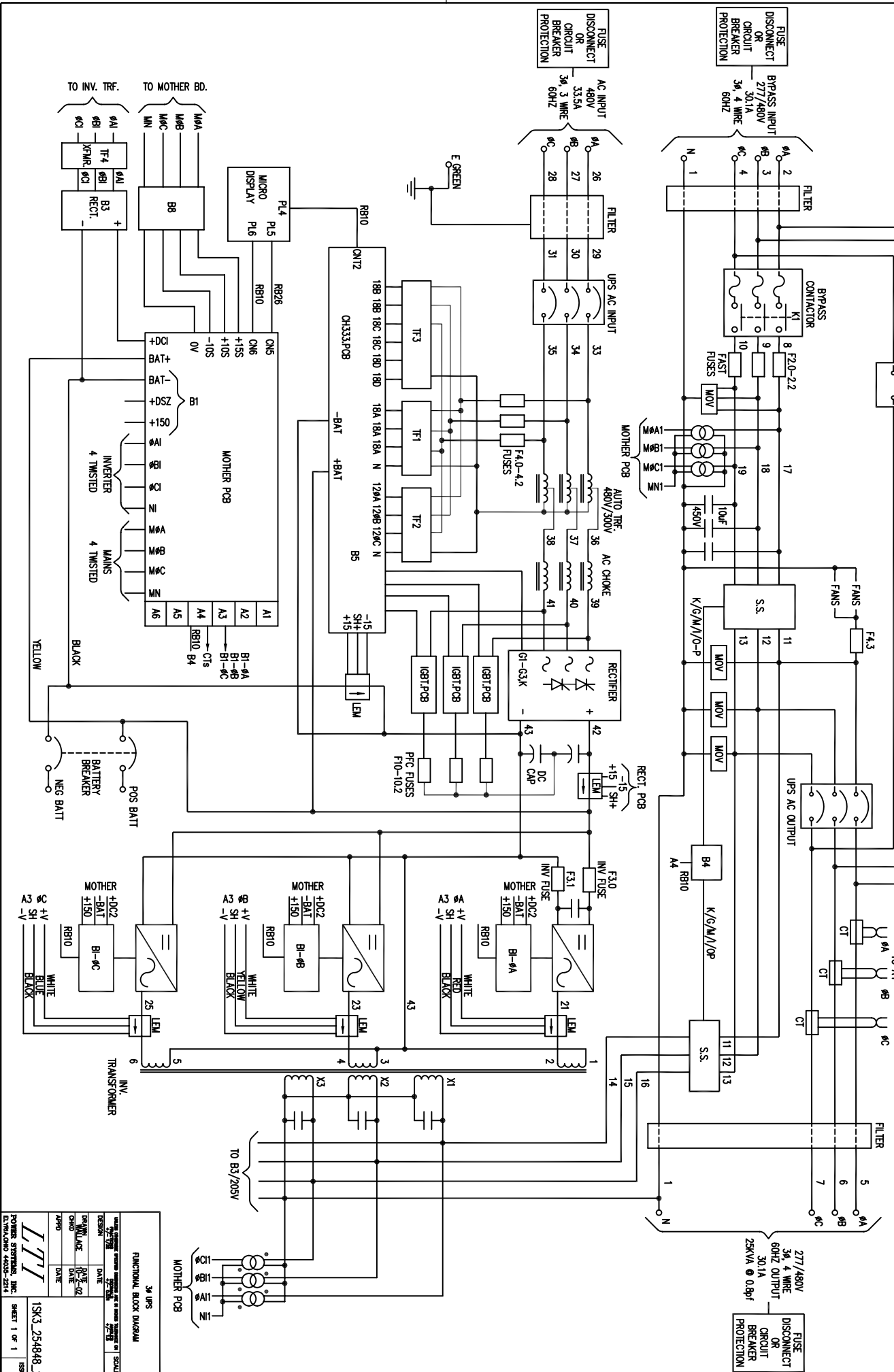


(VIEW FROM BOTTOM OF CABINET)



- NOTES:
1. WIRE SIZES BASED ON 90°C COPPER CONDUCTORS OPERATING IN 30°C AMBIENT AND NEC TABLES 250-95 AND 310-16. INCREASE CONDUCTOR SIZE FOR LONG RUNS.
  2. CLOCKWISE PHASE ROTATION MUST BE OBSERVED FOR BYPASS AND AC INPUTS.

AC INPUT	MAX INPUT CURRENT	CT BRKR RATING	A.I.C. RATING	TERM. CAPACITY	TORQUE	RECM. SIZE	RECM. FLUISING	RECM. GND. CONDUIT
480V	33.5A	40A	25,000	14-2/0 AWG	50 IN./LBS	8 AWG	50A	8 AWG
BYPASS INPUT/AC OUTPUT	MAX CURRENT RATING	CT BRKR RATING	A.I.C. RATING	TERM. CAPACITY	TORQUE <th>RECM. SIZE</th> <th>RECM. FLUISING</th> <th>RECM. GND. CONDUIT</th>	RECM. SIZE	RECM. FLUISING	RECM. GND. CONDUIT
277/480V	30.1A	40A	25,000	14-2/0 AWG	50 IN./LBS	8 AWG	50A	8 AWG
DC INPUT	MAX CURRENT	CT BRKR RATING	A.I.C. RATING	TERM. CAPACITY	TORQUE <th>RECM. SIZE</th> <th>RECM. FLUISING</th> <th>RECM. GND. CONDUIT</th>	RECM. SIZE	RECM. FLUISING	RECM. GND. CONDUIT
360V	76.2A	100A	25,000	14-2/0 AWG	50 IN./LBS	2 AWG	125A	8 AWG



3A UPS  
FUNCTIONAL BLOCK DIAGRAM

DESIGN: [ ] DATE: [ ]  
 DRAWN: [ ] DATE: [ ]  
 CHECKED: [ ] DATE: [ ]  
 APPROVED: [ ] DATE: [ ]

POWER SYSTEMS, INC.  
 ESTABLISHED 1953-2014

ISSUE: [ ]  
 SHEET 1 OF 1