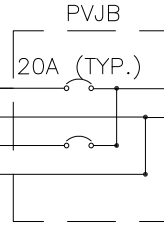
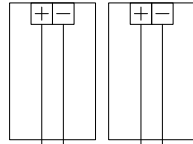


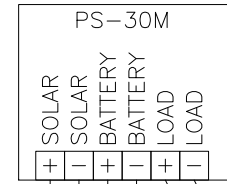
SOLAR ARRAY: 800W
(2) Q.PEAKDUO L-G5.2 400
PHOTOVOLTAIC MODULES
WIRED 2 IN PARALLEL
19.5A @ 41.04VDC



#8 AWG IN 3/4" CONDUIT
(20FT MAX.)

#10 AWG PV WIRE
W/MC4 CONNECTORS
(15FT MAX.)
(2 PL.)

BATTERY ENCLOSURE



TO
24V
LOAD

#6 AWG

#2 AWG x18" RED
PARALLEL INTERCONNECT

#2 AWG x18" BLACK
SERIES INTERCONNECT
(2 PL.)

#2 AWG x18" BLACK
PARALLEL INTERCONNECT

BATTERY BANK:
(4) DEKA 8G8D

265AH 12VDC NOMINAL BATTERY
100 HOUR RATE TO 1.75VPC
WIRED 2 IN SERIES x 2 IN PARALLEL
530AH @ 24VDC NOMINAL

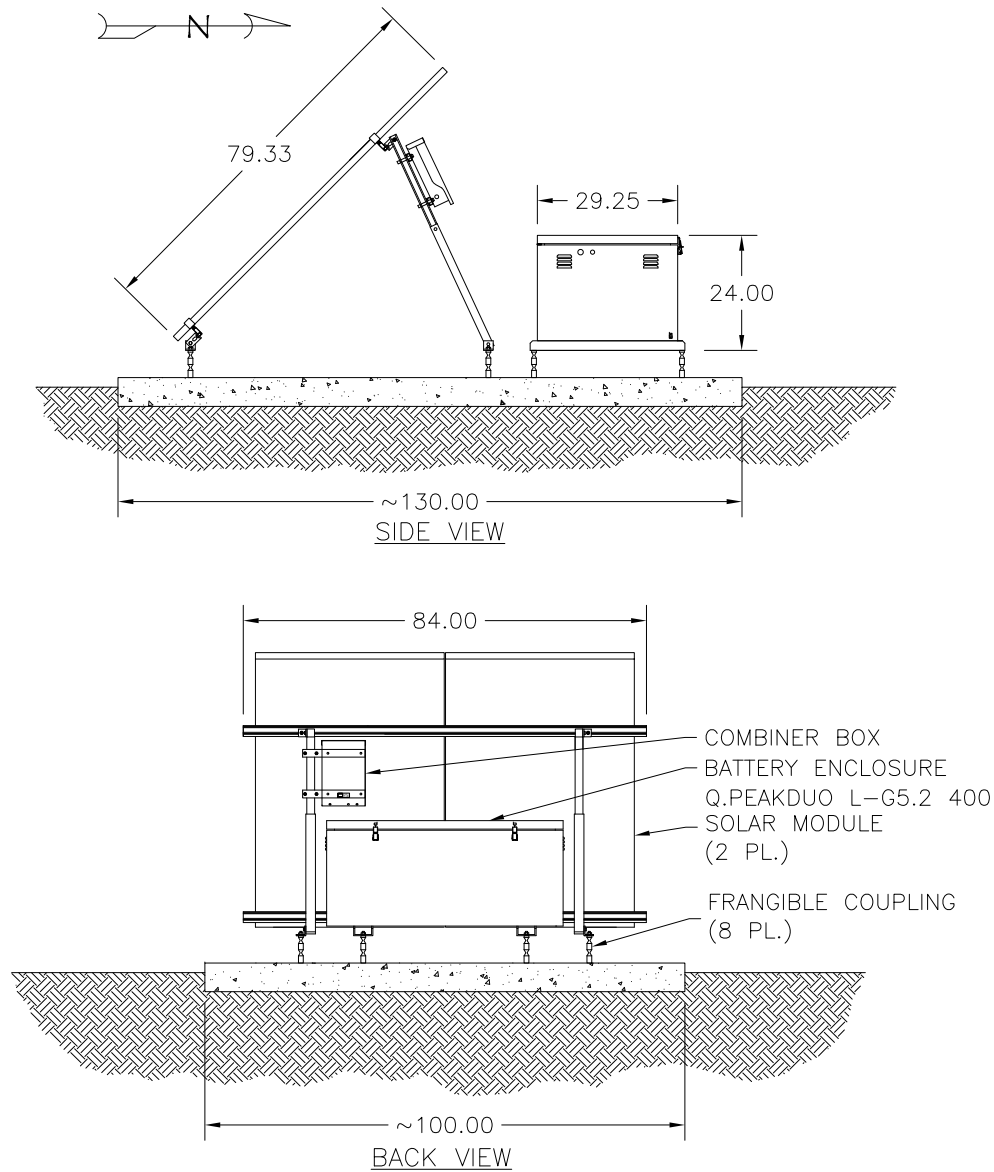
1. ALL WIRES ARE #10AWG, RED: POSITIVE (+), BLACK: NEGATIVE (-), GREEN: GROUND (⊕).
- NOTES: UNLESS OTHERWISE SPECIFIED.



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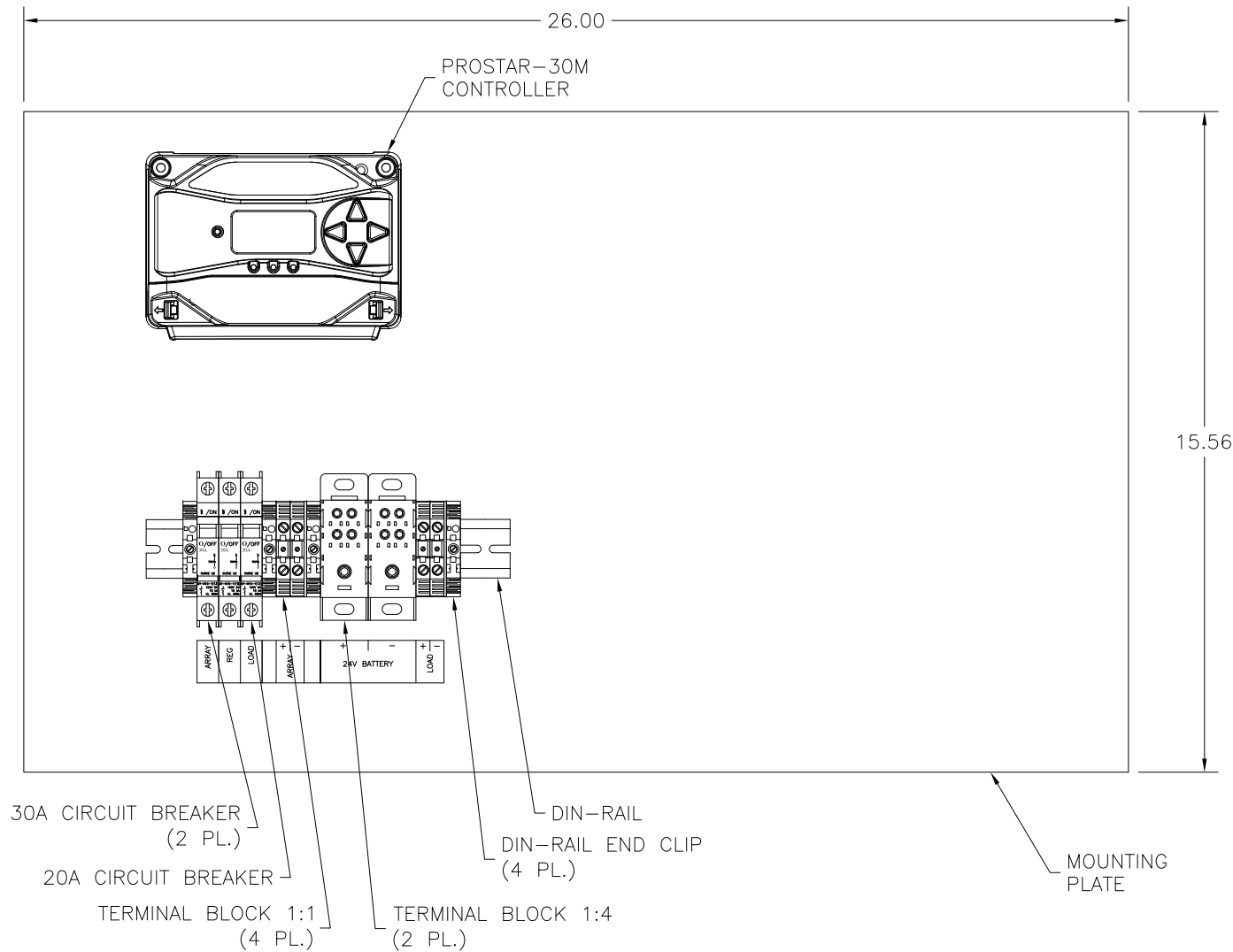
WIRING DIAGRAM		MAPPS 800-530-24-FC		DATE	
		UNITS		12.MAY.20	
UNLESS OTHERWISE SPECIFIED:		NAME		DRAWN	
PRIMARY UNITS ARE: INCHES		E. RIVAS		APPROVED	
SECONDARY UNITS ARE: [mm]		C. LEONARD		19.MAY.20	
REVISIONS		REV		REVISED BY	
DATE		DATE		DATE	
MISC		MISC		MISC	
DRAWING NUMBER		SD41-0237-SES		SIZE	
B.O.M. NUMBER		SB41-0237		A	
SHEET 1		OF 4			



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SITE LAYOUT			MAPPS 800-530-24-FC		DATE	
UNITS					12.MAY.20	
UNLESS OTHERWISE SPECIFIED: PRIMARY UNITS ARE: INCHES SECONDARY UNITS ARE: [mm]						
REVISIONS						
REV		REVISED BY			DATE	
MISC						
SCALE		SIZE				
N/A		DRAWING NUMBER				
		SD41-0237-SES				
		B.O.M. NUMBER				
		SB41-0237				
SHEET		2		OF		4
A						



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COMPONENT LAYOUT

MAPPS 800-530-24-FC

UNITS
UNLESS OTHERWISE SPECIFIED:
PRIMARY UNITS ARE: INCHES
SECONDARY UNITS ARE: [mm]

REVISIONS

REV	REVISED BY	DATE

MISC

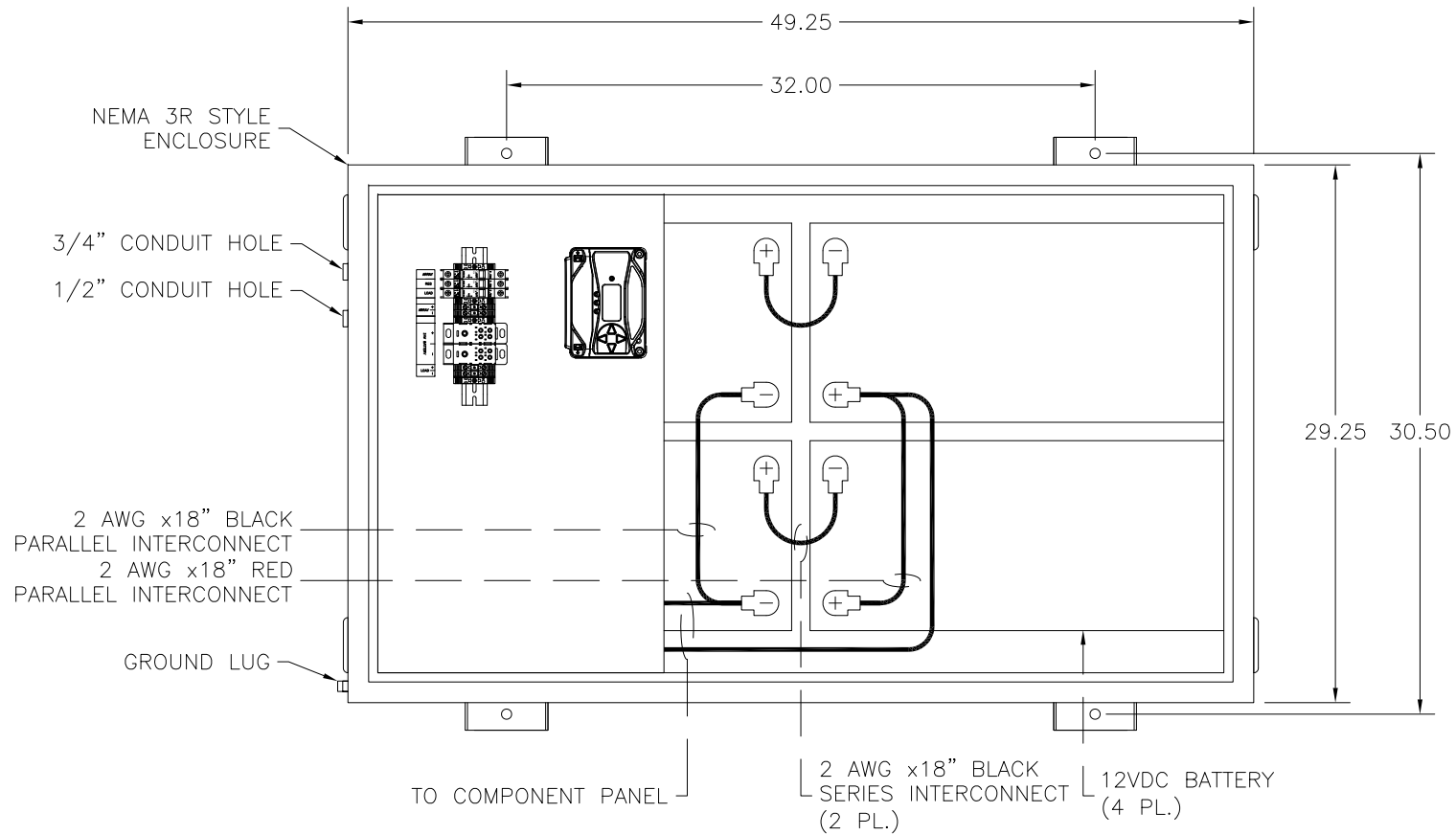
SCALE
N/A

DRAWING NUMBER	SIZE
SD41-0237-SES	
B.O.M. NUMBER	
SB41-0237	

SHEET 3 OF 4

APPROVALS	NAME	DATE
DRAWN	E. RIVAS	12.MAY.20
APPROVED	C. LEONARD	19.MAY.20

A



1. ENCLOSURE LID NOT SHOWN FOR CLARITY.
NOTES:



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BATTERY LAYOUT		MAPPS 800-530-24-FC		DATE
				12.MAY.20
		UNITS	NAME	DATE
		UNLESS OTHERWISE SPECIFIED:		
		PRIMARY UNITS ARE: INCHES	E. RIVAS	12.MAY.20
		SECONDARY UNITS ARE: [mm]	C. LEONARD	19.MAY.20
		REVISIONS		
REV	REVISED BY	DATE		
		MISC		
SCALE	DRAWING NUMBER	SIZE		
N/A	SD41-0237-SES			
	B.O.M. NUMBER			
	SB41-0237			
	SHEET 4	OF 4		