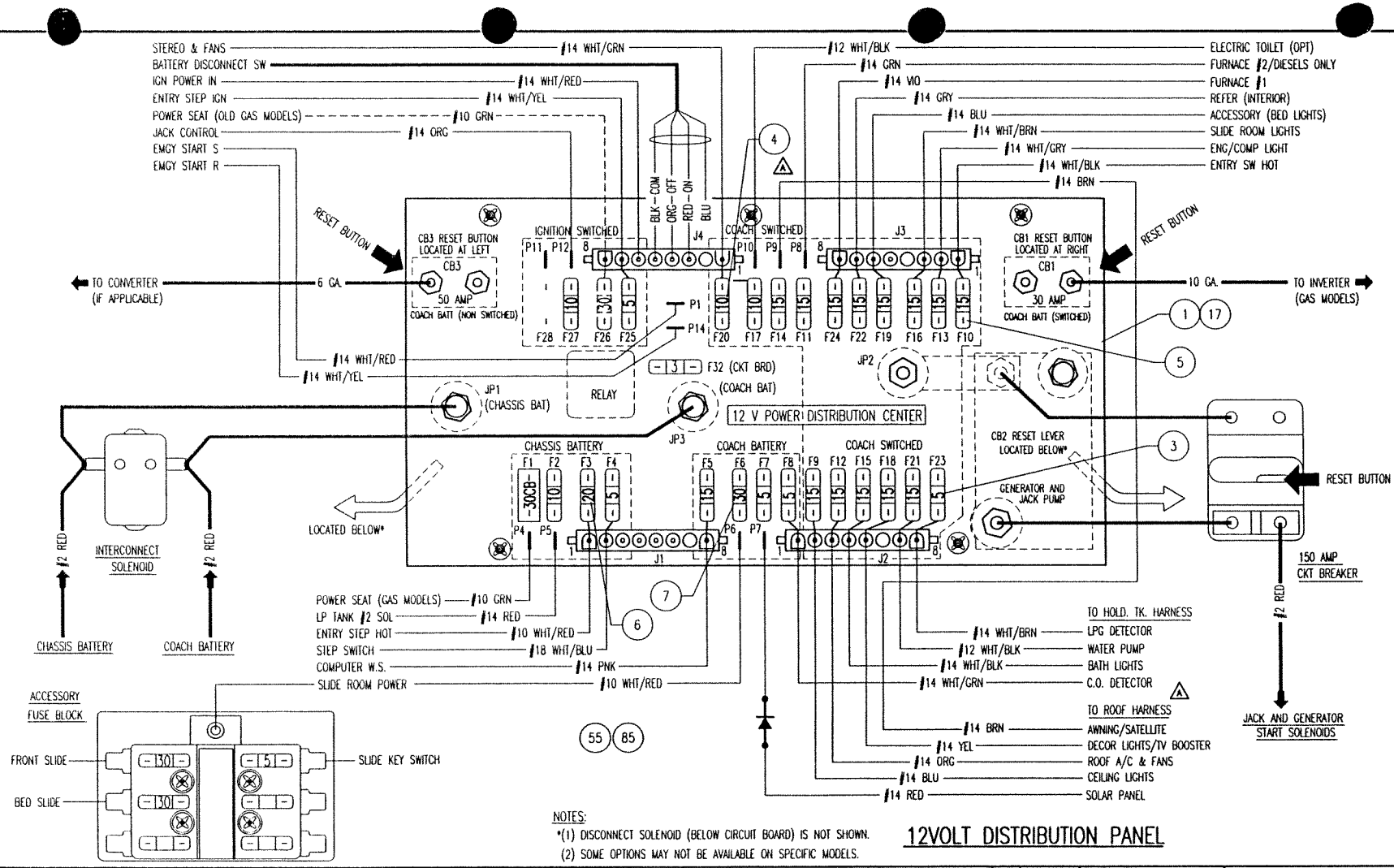


NOTES:
*(1) DISCONNECT SOLENOID (BELOW CIRCUIT BOARD) IS NOT SHOWN.
(2) SOME OPTIONS MAY NOT BE AVAILABLE ON SPECIFIC MODELS.

12VOLT DISTRIBUTION PANEL

LEGEND:
1. THIS MODEL CONFORMS TO ANSI 119.2,NFPA 501C, STANDARD ON RECREATIONAL VEHICLES 1999 EDITION; AND NEC 1999 EDITION

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING

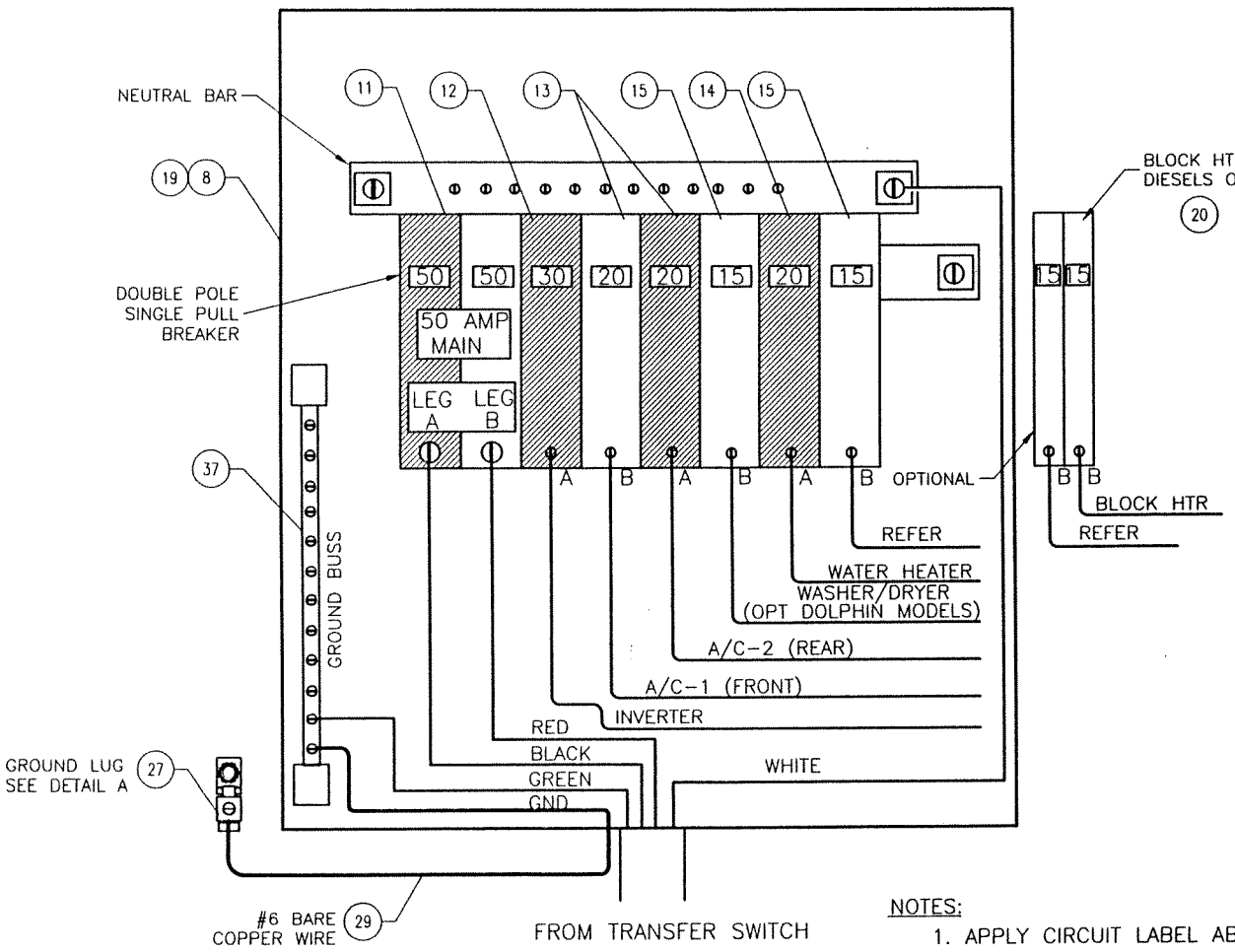
DCR	DESCRIPTION	BY	DATE
	NEW DRAWING	BRB	2-7-02

SCALE 1/4
PROJECT 5000
DATE 2-7-02
DRAWN BY BRB
PLOT 04/09/02 13:15:15

NATIONAL RV Inc.

TITLE ELECTRICAL SYSTEM
12V/120V POWER SYSTEM-ALL MODELS

SIZE	RELEASE NO.	DWG NO.	SHEET
LG	02-000	500-39-00055	1 OF 5



A.C. LOADS LEG A

INVERTER-CONVERTER/100A DC CHARGER	3235W
AIR COND-2	1620W
WATER HEATER	1400W
WATTS PER LEG	6255W

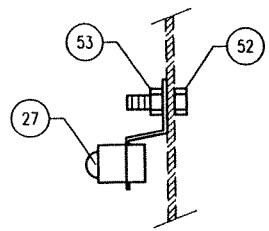
A.C. LOADS LEG B

AIR COND-1	1620W
W/D	1400W
REFER	875W
WATTS PER LEG	4295W

5838	4295
÷120	÷120
48.6	35.8

AMPERES PER LEG

A	B
48.6	35.8



DETAIL A
SCALE: 1/2
GROUND LUG MOUNTING
DO NOT USE TEK SCREWS

NOTES:
1. APPLY CIRCUIT LABEL ABOVE BREAKERS INSIDE DOOR.

LEGEND:

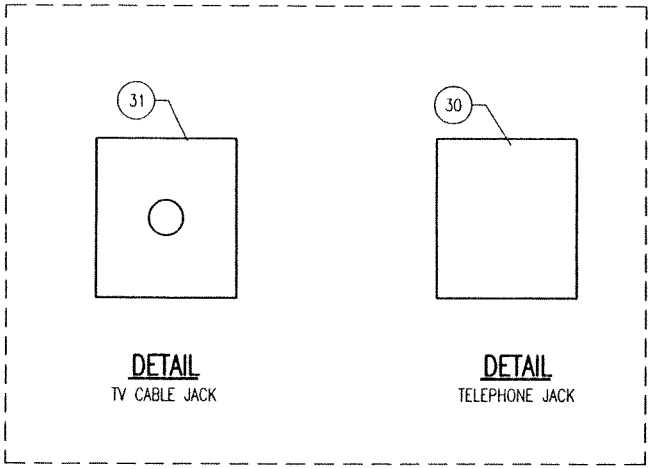
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING

DCR	DESCRIPTION	BY	DATE
	NEW DRAWING	KIM	1-15-02

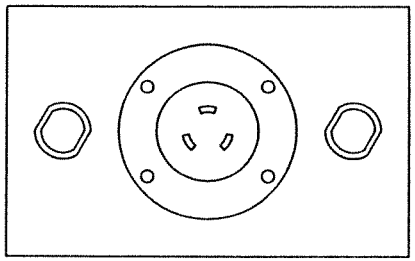
SCALE 1:37
PROJECT 5000
DATE 1-15-02
DRAWN BY KIM
PLOT 04/09/02 13:15:24

NATIONAL RV Inc.
TITLE ELECTRICAL SYSTEM
12V/120V POWER SYSTEM
SIZE LG | RELEASE NO. 02-000 | DWG NO. 500-39-00055 | SHEET 2 OF 5



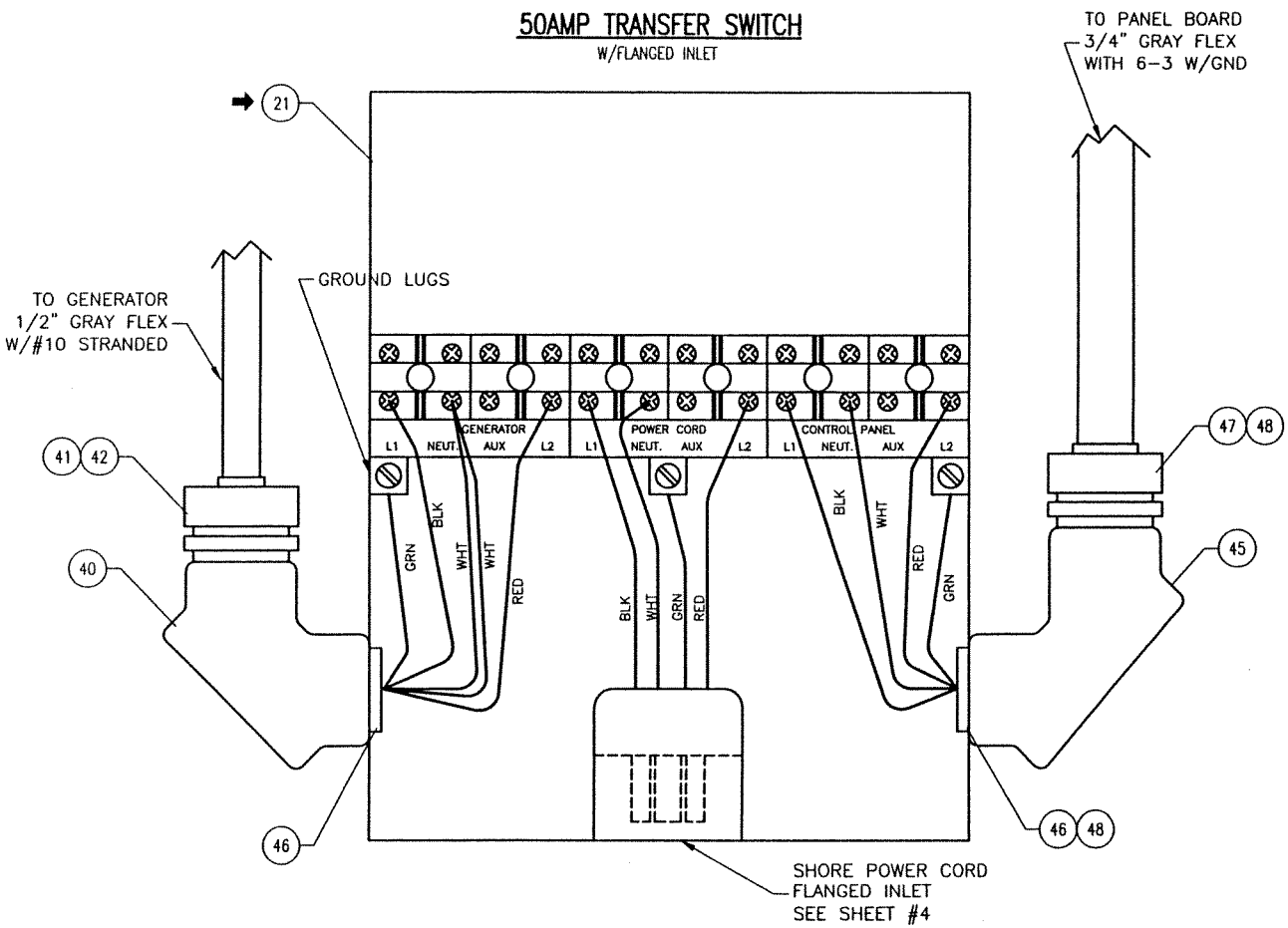
DETAIL
TV CABLE JACK

DETAIL
TELEPHONE JACK



DETAIL
SCALE: 1/3
BOTTOM VIEW W/FLANGED INLET

50AMP TRANSFER SWITCH
W/FLANGED INLET



LEGEND:

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING

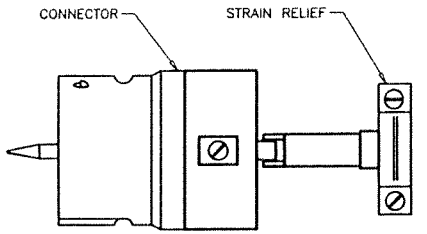
DCR	DESCRIPTION	BY	DATE
03-00	ADDED NEW TRANS SWITCH FOR 2003	KIM	2-1-02
	NEW DRAWING	KIM	2-7-02

SCALE 1/2
PROJECT 5000
DATE 2-7-02
DRAWN BY KIM
PLOT 04/09/02 13:15:30

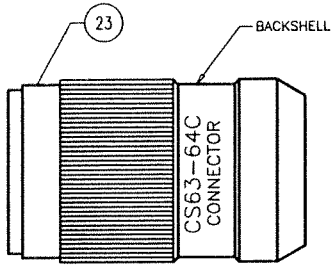
NATIONAL RV Inc.

TITLE: ELECTRICAL SYSTEM
12V/120V POWER SYSTEM

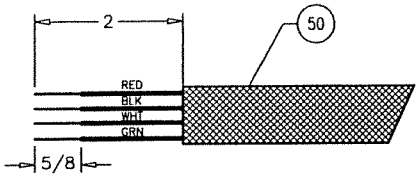
SIZE	RELEASE NO.	DWG NO.	SHEET
LG	02-000	500-39-00055	3 OF 5



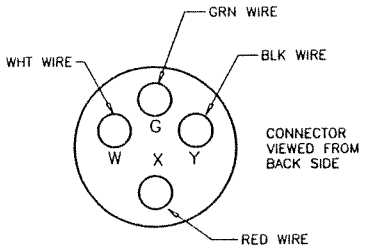
TIGHTEN STRAIN RELIEF ON JACKETED PORTION OF CABLE ONLY.



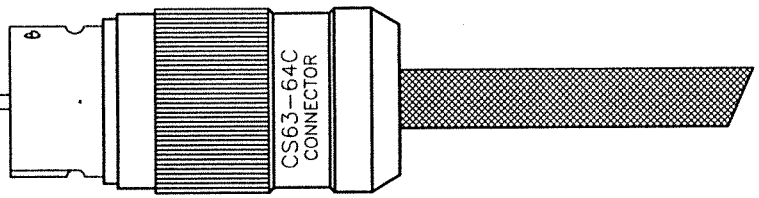
INSTALL BACKSHELL ON CABLE PRIOR TO TERMINATING WIRES IN CONNECTOR.



STRIP WIRE AND JACKET AS SHOWN.

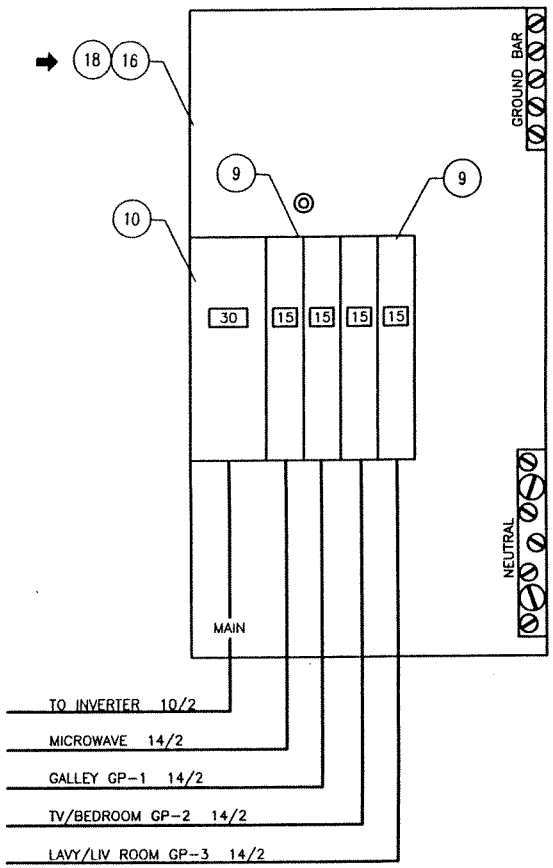


CONNECTOR VIEWED FROM BACK SIDE



TIGHTEN BACKSHELL AFTER ASSEMBLY IS COMPLETED.

40AMP SUB PANEL



LEGEND:

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING

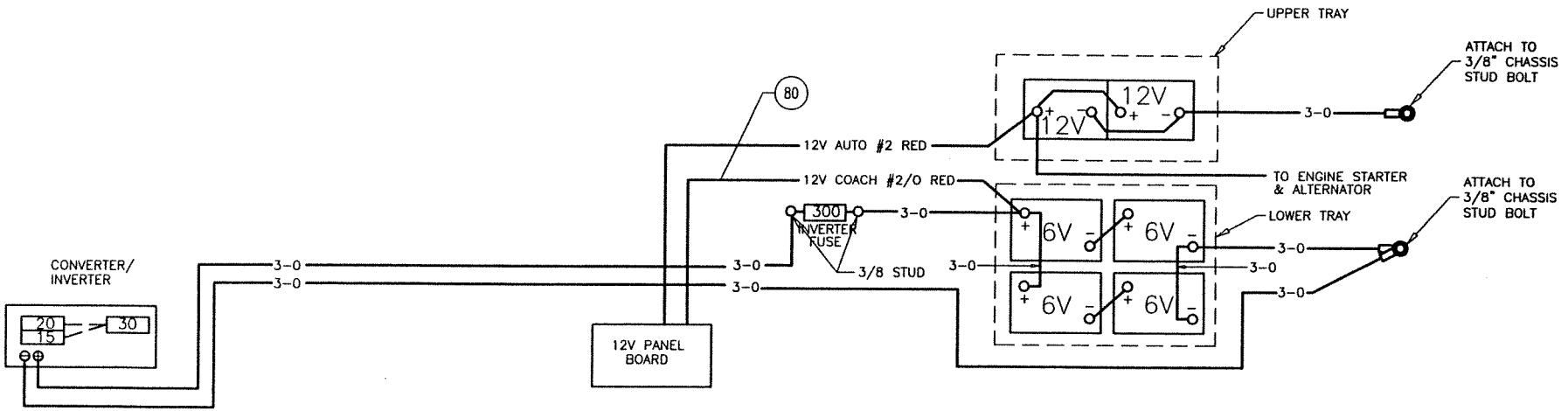
DCR	DESCRIPTION	BY	DATE
03-00	ADDED SUB PANEL FOR 2003	KIM	1-30-02
	NEW DRAWING	KIM	1-15-02

SCALE 1/2
PROJECT 5000
DATE 1-15-02
DRAWN BY KIM
PLOT 04/09/02 13:15:35

NATIONAL RV Inc.

TITLE ELECTRICAL SYSTEM
120V/240V 50A POWER CORD/40A SUB PANEL

SIZE LG | RELEASE NO. 02-000 | DWG NO. 500-39-00055 | SHEET 4 OF 5



LEGEND:

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING

DCR	DESCRIPTION	BY	DATE
	NEW DRAWING	KIM	1-15-02

SCALE 1:60
PROJECT 5000
DATE 1-15-02
DRAWN BY KIM
PLOT 04/09/02 13:15:41

NATIONAL RV Inc.

TITLE ELECTRICAL SYSTEM
12V BATTERY WIRING

SIZE	RELEASE NO.	DWG NO.	SHEET
LG	02-000	500-39-00055	5 OF 5