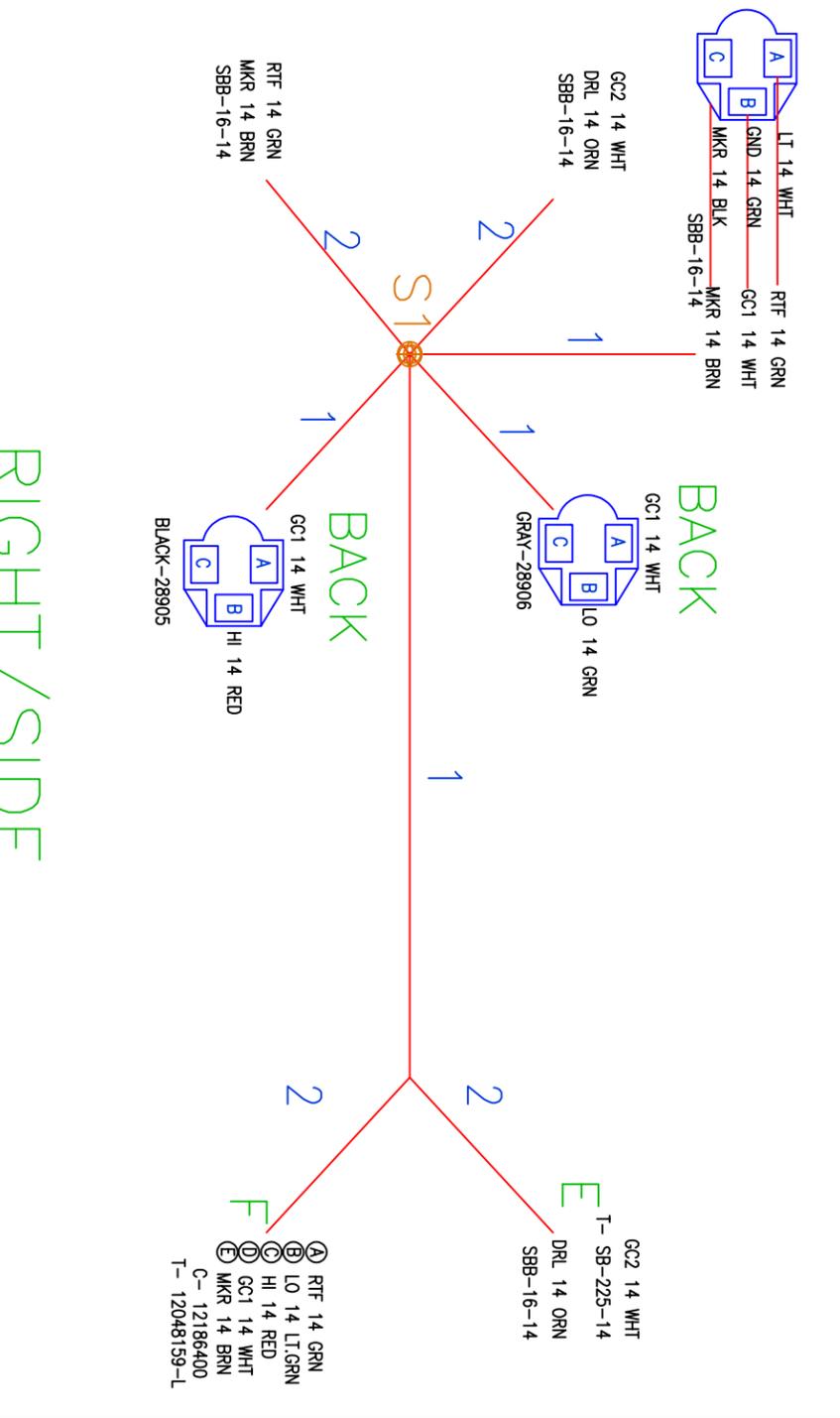
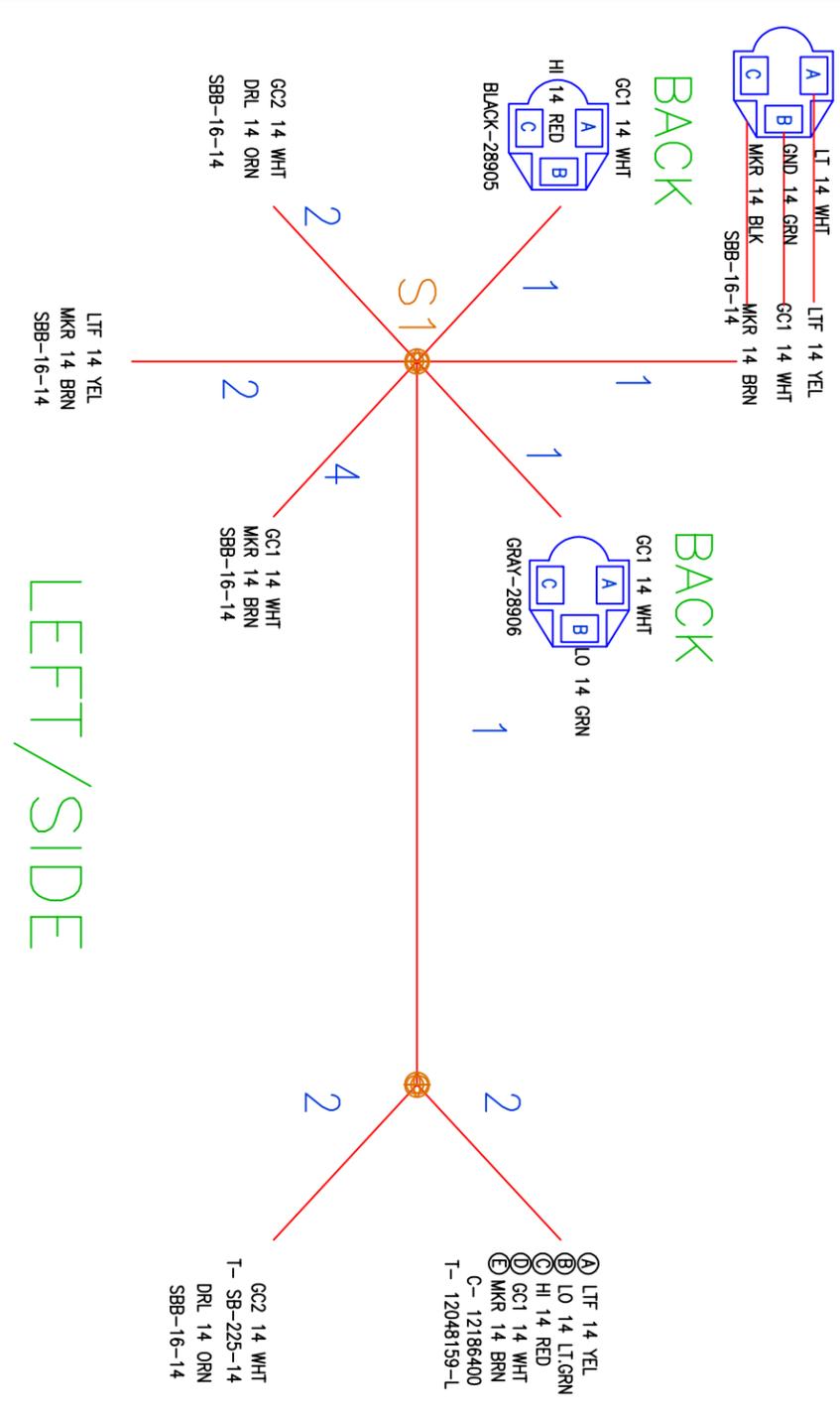


REVISION		DATE	AUTHOR
REV	DESCRIPTION		
C	CHANGED CONNECTOR	2010	JRT
D	BERKSHIRE GT 2015 USAGE	5/27/2014	BBM
E	REMOVED THE GT AND MOVED TO VAULT	3/18/2015	BBM



LEFT/SIDE

RIGHT/SIDE

TOLERANCES ON MACHINED PARTS.		DRAWN:	DATE	FOREST RIVER	
INCHES	METRIC	B.MAIN	5/27/14	DIESEL MOTOR HOME DIVISION	
XXX ± .05	X .3mm	CHECKED		TITLE	
XXX ± .03	.XX 10mm	ALL OTHER PARTS AND ASSEMBLY TOLERANCES SHOULD BE HELD AS CLOSE AS POSSIBLE.		HARNNESS, HEADLIGHT PIGTAILS	
UNIT: BERKSHIRE		MATERIAL:	GXL	FINISH:	HRNS
ALL		DO NOT SCALE DRAWING		SIZE	DWG/PRINT NUMBER:
				0610-5000008	REV: E
				SCALE:	SHEETS: 1/1

DISTRIBUTION PANEL (US)

INVERTER

50A	50A	20A	20A	20A	15A	20A	30A	15A	15A	20A	20A	20A	15A	15A	15A	20A	15A	20A
MAIN	MAIN	FRT FLR HTR (OPT)	FRT A/C	REAR A/C	FIREPLACE	COOKTOP	INVERTER	BLOCK HTR	DISHWASHER (OPT)	WASHER	DRYER	KITCHEN RCPTS	GEN.RCPTS	REFER	BATH & GEN.RCPTS	AQUA HOT	VACUUM	MICROWAVE
CIRCUIT IDENTIFICATION		1A	1B	2	3	4A	4B	5A	5B	6A	6B	i7	i8A	i8B	i9A	i9B	i10A	i10B

BREAKER BOX LAYOUT WITH ELECTRIC FLOOR HEAT OPTION (SHOWN)

A/C LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
120V DUPLEX RCPT		DISTRIBUTION PNL		FREEZER	
120V GFCI RCPT		MICROWAVE		GENERATOR	
120V SINGLE RCPT		POWER CORD		ENERGY MGMT SYS.	
120V GFCI BLANK		AIR CONDITIONER		120V SHARE SWITCH	
INVERTER/CONV.		VACUUM		TRANSFER SWITCH	
JUNCTION BOX		COOKTOP			

NOTE: 6-3 W/GND ROMEX FOR 50A MAIN

10-2 W/GND ROMEX FOR MAIN 30A CIRCUIT (INVERTER)

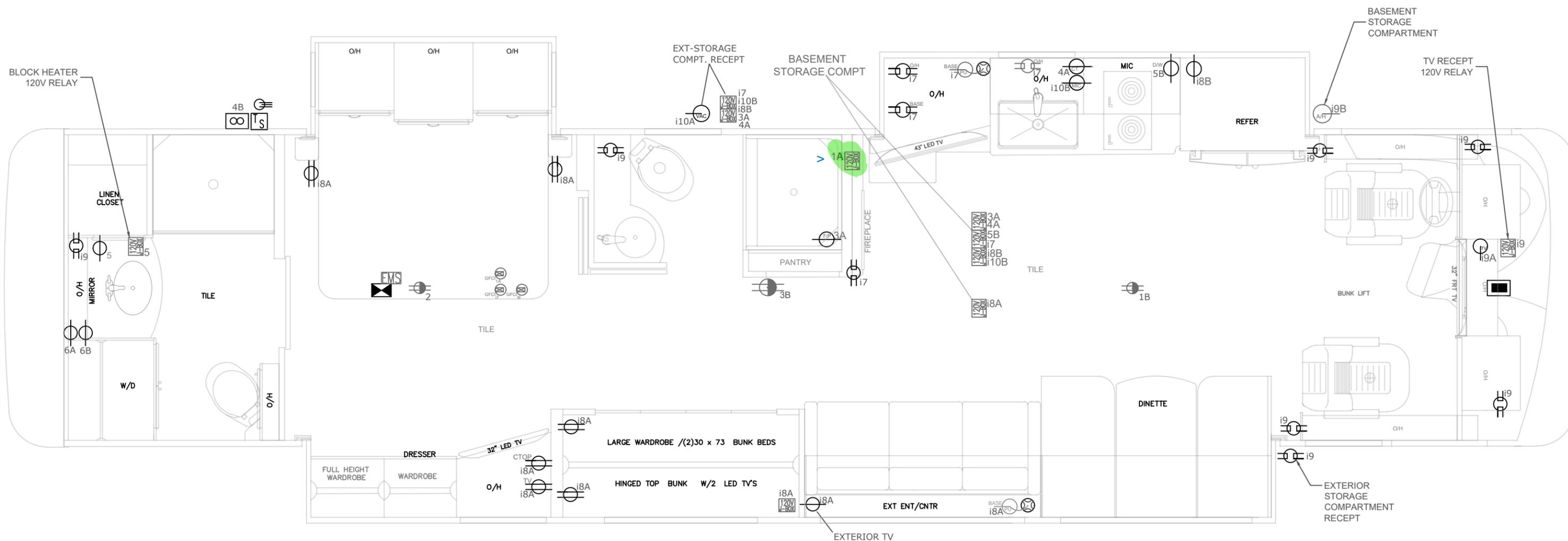
12-2 W/GND ROMEX FOR MAIN 20A CIRCUITS

14-2 W/GND ROMEX FOR MAIN 15A CIRCUITS (WHT-STD / GRN-GFI / BLK- FIREPLACE)

Z240 QAI, ALL CIRCUITS 15A UNLESS GREATER IS REQUIRED BY APPLIANCE MANF.

MAGNUM ENERGY
PURE-SINE WAVE
INVERTER/ CHARGER

MODEL: MS2812-F
3kW / 125A



NOTE:
ROMEX LEGEND:
1 1/2 WHT SHEATHING - STANDARD CIRCUITS
1 1/2 BLK SHEATHING - FIREPLACE
1 1/2 GRN SHEATHING - GFI CIRCUITS
1 1/2 YEL SHEATHING - 20A CIRCUITS

TOLERANCES ON MACHINED PARTS.		DRAWN: R. DYE	DATE 2/1/21
INCHES	METRIC	MATERIAL: Code	PRINT LOCATION: SYSTEMS
.XX ± .05 .XXX ± .03	.X .3mm .XX 10mm	APPLICATION: Electrical	DO NOT SCALE DRAWING
MODEL(S): BERKSHIRE, BERKSHIRE XL, BERKSHIRE XLT, CHARLESTON	FLOORPLAN(S): 40E	USAGE OF THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONTINGENT ON AGREEMENT TO THE CONDITIONS STATED ON PAGE 1.	

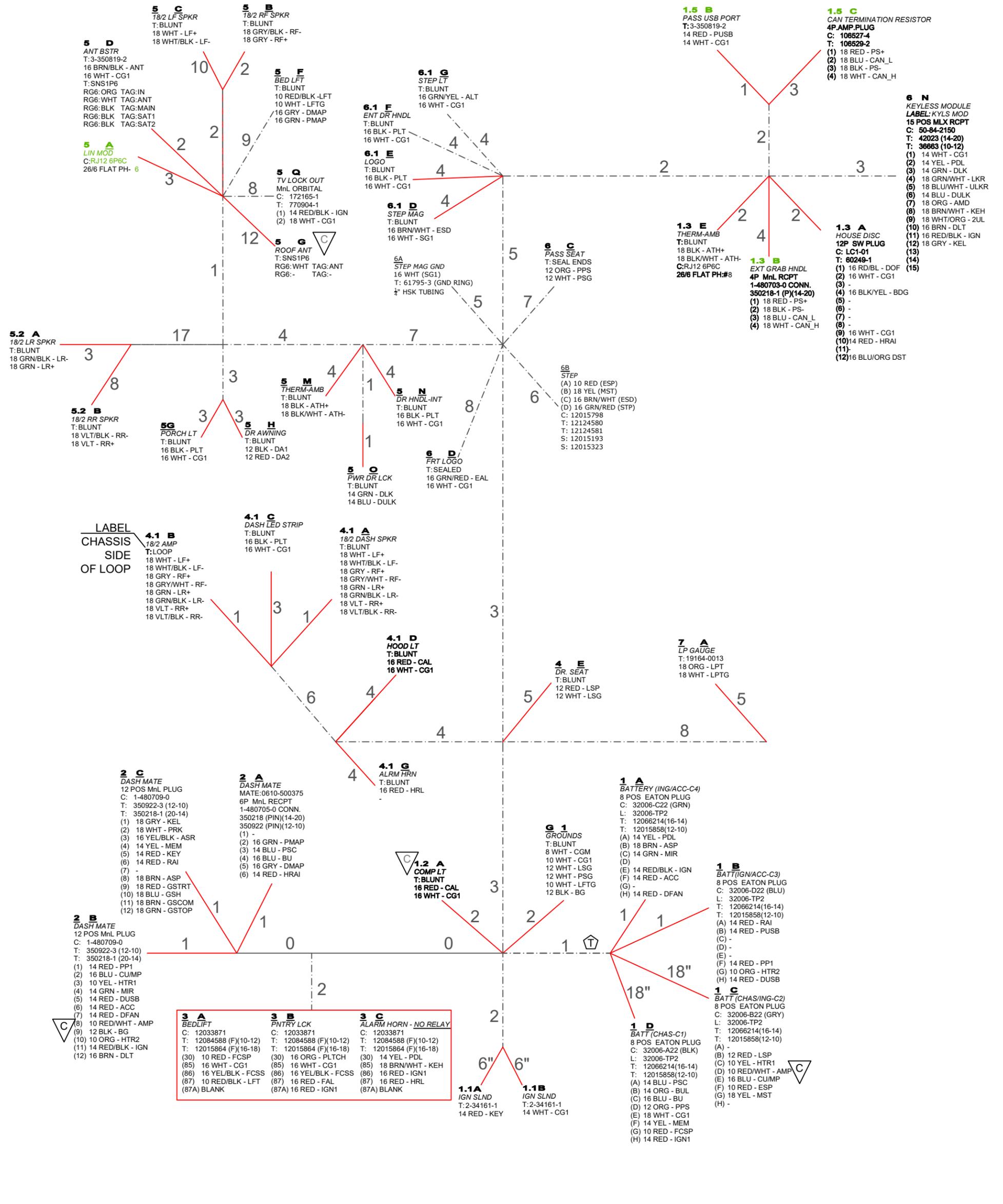
FOREST RIVER INC
DIESEL MOTOR HOME DIVISION

TITLE
120V LAYOUT, 40E

DWG/PRINT NUMBER:
0620-500933.dwg

REV:
D

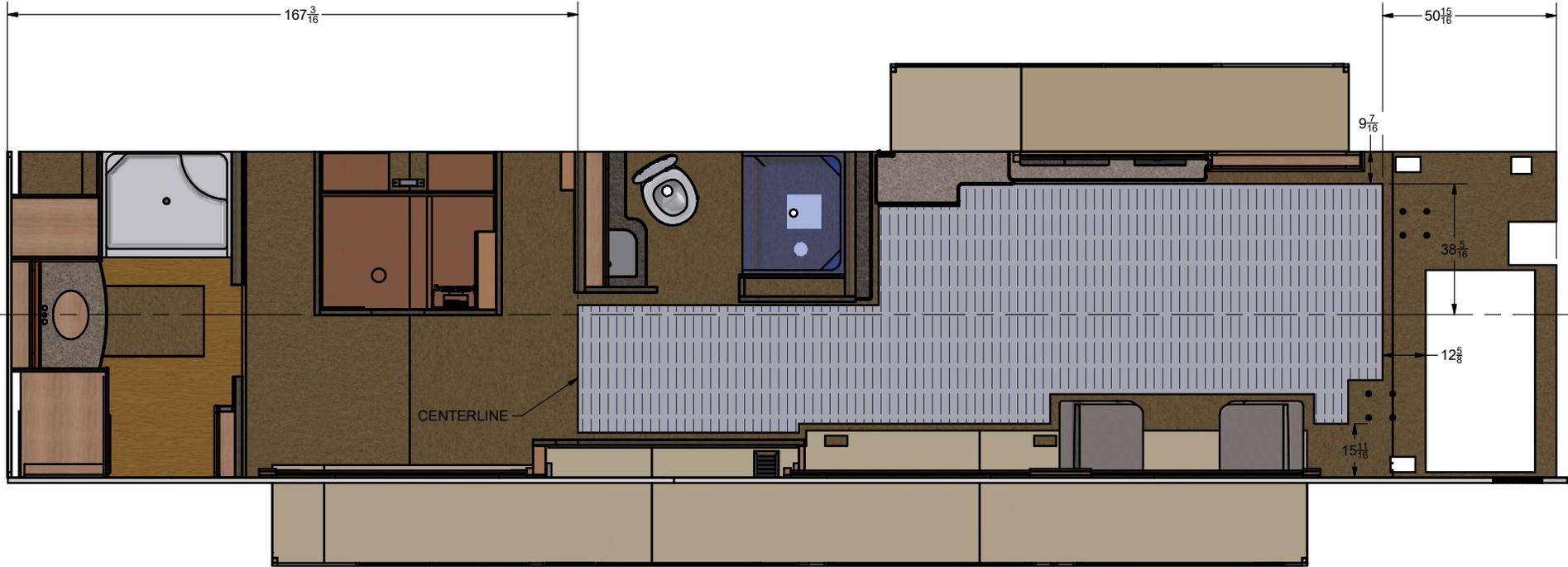
REVISION				
REV	ECN	DESCRIPTION	DATE	AUTHOR
A		NEW FLOORPLAN	1/23/2019	RED
B		Add TV Lockout/Batt Disc Off/Status Wires/Prk Lt Wires	2/3/2020	RED
C		CHANGE AMP TO 10GA	7/30/2021	RED



TOLERANCES ON MACHINED PARTS.			DRAWN: R. DYE	DATE: 6/1/20	FOREST RIVER DIESEL MOTOR HOME DIVISION
INCHES	METRIC	ALL OTHER PARTS AND ASSEMBLY TOLERANCES SHOULD BE HELD AS CLOSE AS POSSIBLE.	MATERIAL: NA	APPLICATION: Electrical	
.XX ± .05 .XXX ± .03	.X .3mm .XX 10mm		PRINT LOCATION: SYSTEMS	TITLE: HRN, , Model	
MODEL(S): BERKSHIRE	FLOORPLAN(S): ALL, ----, ----	DO NOT SCALE DRAWING			SIZE: DWG/PRINT NUMBER: 0610-500484.dwg
THIS DOCUMENT IS THE PROPERTY OF FOREST RIVER INC. UNAUTHORIZED USE OR DISCLOSURE OF INFORMATION HEREIN IS STRICTLY PROHIBITED.					REV: C
					SHEETS: 1 / 2

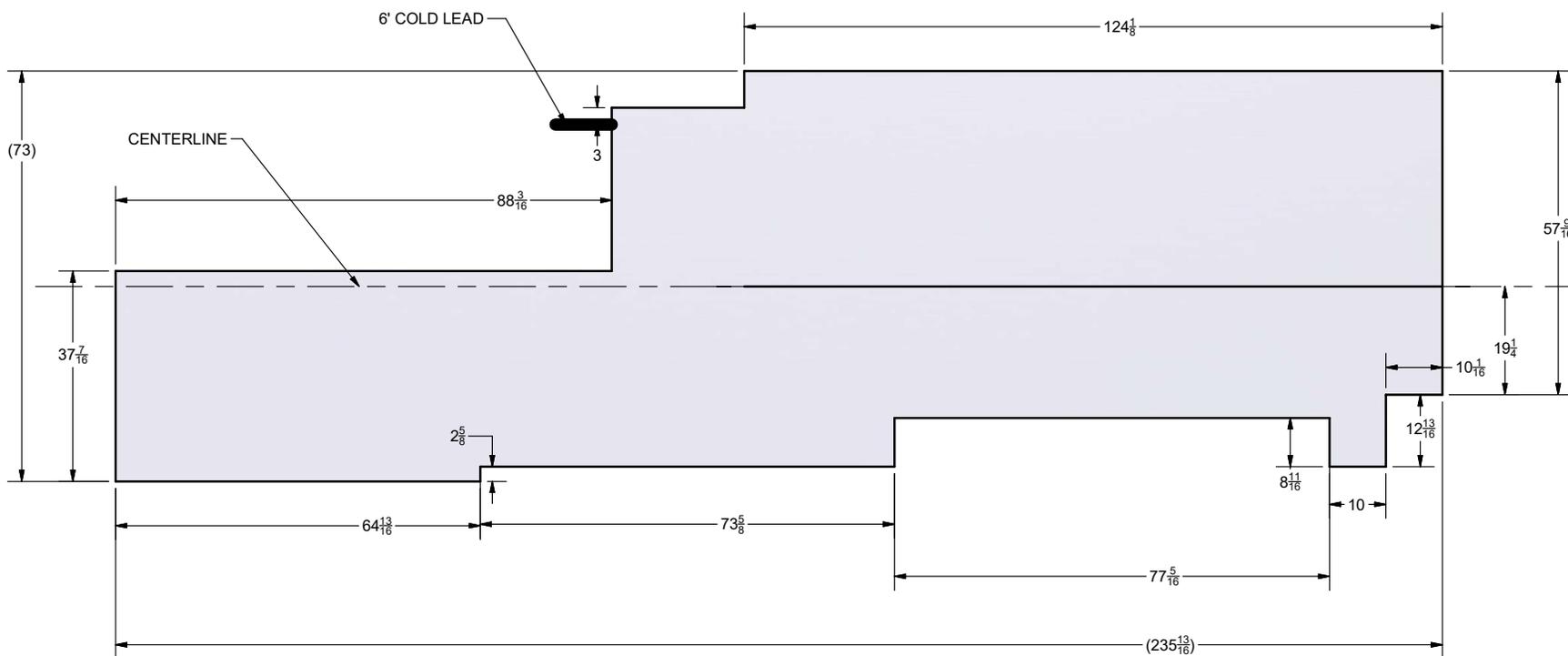
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	0320-500039.LivRm	0320-500039.LivRm

TOP VIEW



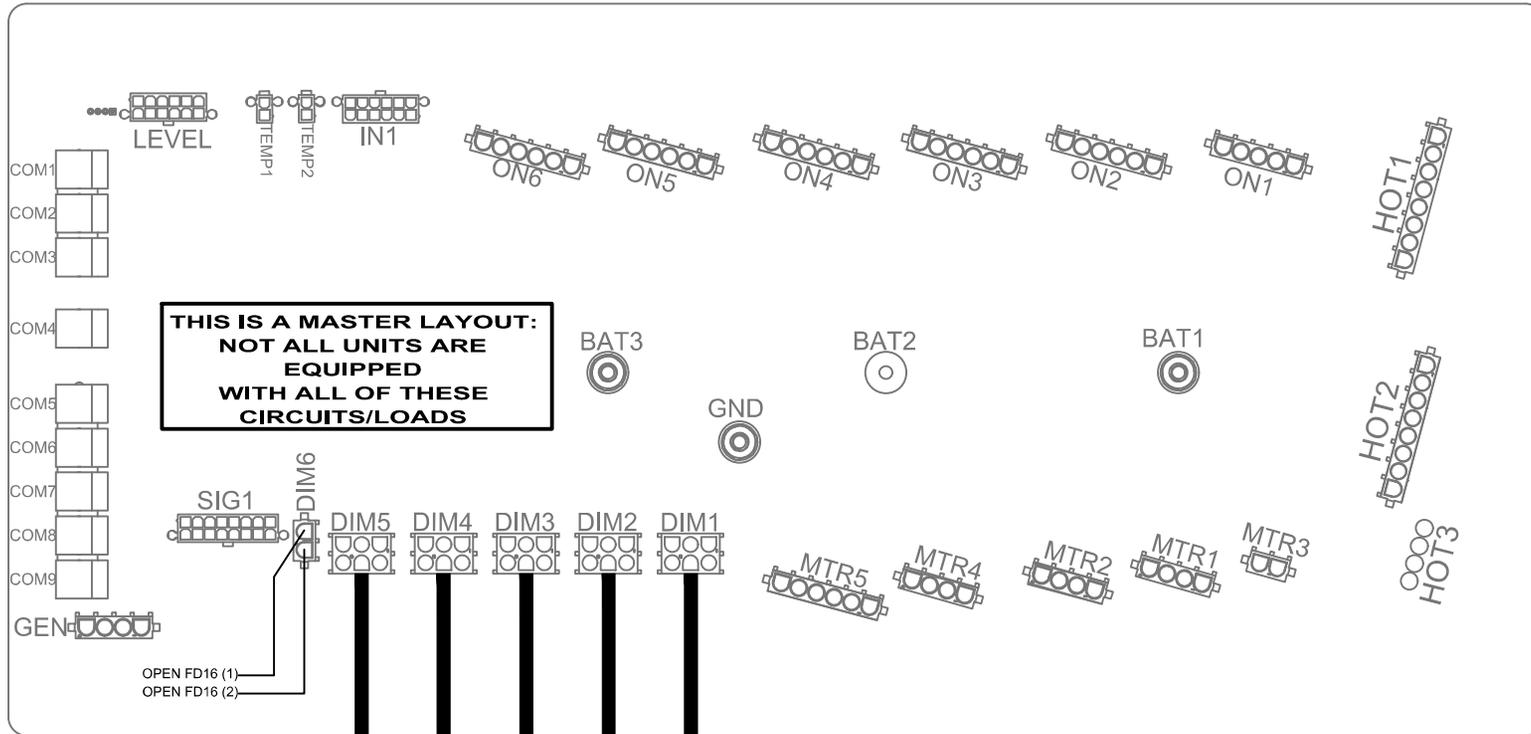
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED ANGULAR ± 1° FRACTIONAL ± ¹ / ₁₆	DRAWN: rdye DATE: 10/17/2019 CHECKED: DATE:	FOREST RIVER DIESEL MOTOR HOME DIVISION
	MATERIAL: Fiber Mat FINISH:	
UNIT: 40E	THIS DOCUMENT IS THE PROPERTY OF FOREST RIVER INC. UNAUTHORIZED USE OR DISCLOSURE OF INFORMATION HEREIN IS STRICTLY PROHIBITED.	DWG NO: 0320-500039
		DO NOT SCALE SHEET 1 OF 2

TOP VIEW



FRONT MAT Area = 88.0 ft²

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED ANGULAR ± 1° FRACTIONAL ± $\frac{1}{16}$	DRAWN rdye	DATE 10/17/2019	FOREST RIVER DIESEL MOTOR HOME DIVISION
	CHECKED	DATE	
UNIT: 40E	MATERIAL: Fiber Mat	TITLE 0320-500039.LivRm	
	FINISH:	DWG NO 0320-500039	
THIS DOCUMENT IS THE PROPERTY OF FOREST RIVER INC. UNAUTHORIZED USE OR DISCLOSURE OF INFORMATION HEREIN IS STRICTLY PROHIBITED.			DO NOT SCALE
			SHEET 2 OF 2



**THIS IS A MASTER LAYOUT:
NOT ALL UNITS ARE
EQUIPPED
WITH ALL OF THESE
CIRCUITS/LOADS**

- (SOFA 2 DECOR LT) 18 PNK/BLU FD13 (1)
- OPEN FD14 (2)
- OPEN FD15 (3)
- (SOFA 2 DECOR LT) 16 WHT/BLK FD13 (4)
- OPEN FD14 (5)
- OPEN FD15 (6)

- (KITCHEN O/H LTS) 18 PUR/YEL FD10 (1)
- (SOFA DECOR LT) 16 PNK/GRN FD11 (2)
- (DINETTE DECOR LT) 16 PUR/BLK FD12 (3)
- (KITCHEN O/H LTS GND) 16 WHT/BLK FD10 (4)
- (SOFA DECOR LT GND) 16 WHT/BLK FD11 (5)
- (DINETTE DECOR LT GND) 16 WHT/BLK FD12 (6)

- (1) FD1 18 PUR/BLK (DINETTE READING LTS)
- (2) FD2 16 PNK (LIVRM CEILING LTS)
- (3) FD3 18 PNK/WHT (SOFA 1 READING LTS)
- (4) FD1 16 WHT/BLK (DINETTE READING LTS GND)
- (5) FD2 16 WHT/BLK (LIVRM CEILING LTS GND)
- (6) FD3 16 WHT/BLK (SOFA READING LTS GND)

- (1) FD4 18 PNK/BLK (SOFA 2 READING LTS)
- (2) FD5 16 PUR (KITCHEN CEILING LTS)
- (3) FD6 18 YEL/BLK (BED O/H 1 READING LT)
- (4) FD4 16 WHT/BLK (SOFA 2 READING LTS GND)
- (5) FD5 16 WHT/BLK (KITCHEN CEILING LTS GND)
- (6) FD6 16 WHT/BLK (BED O/H 1 READING LT GND)

- (1) FD7 18 RED/BLK (BED O/H 2 READING LT)
- (2) FD8 16 RED (BEDRM CEILING LTS)
- (3) FD9 16 RED/WHT (BEDRM DRESSER/WRB LTS)
- (4) FD7 16 WHT/BLK (BED O/H 2 READING LT GND)
- (5) FD8 16 WHT/BLK (BEDRM CEILING LTS GND)
- (6) FD9 16 WHT/BLK (BEDRM DRESSER/WRB LTS GND)

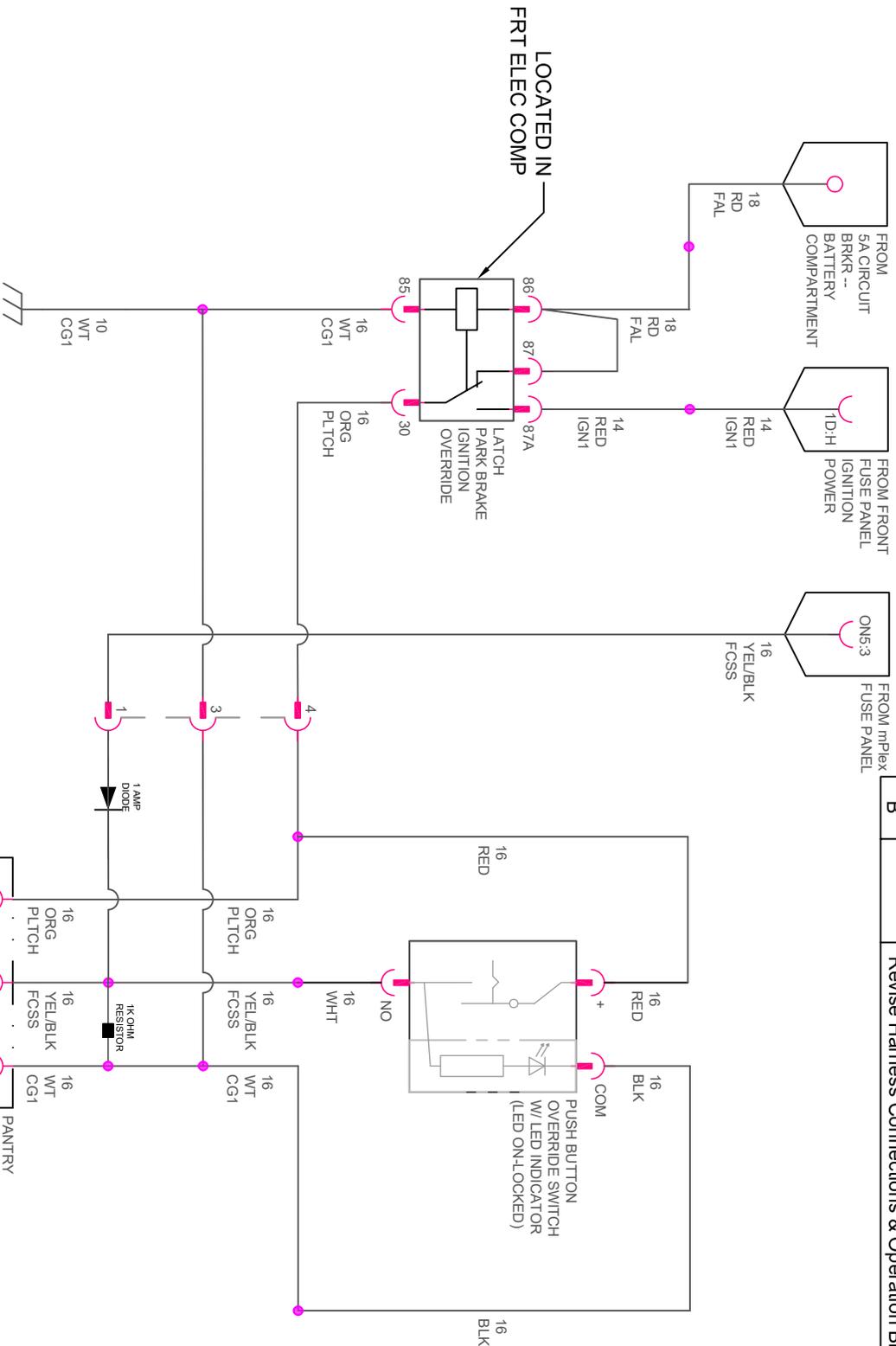
DIMMER CIRCUITS

TOLERANCES ON MACHINED PARTS.		DRAWN: B.MAIN	DATE 11/19/19	FOREST RIVER DIESEL MOTOR HOME DIVISION	
INCHES .XX ± .05 .XXX ± .03	METRIC X 3mm XX 10mm	CHECKED	DATE		
UNIT: ALL MODELS		USAGE OF THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONTINGENT ON THE AGREEMENT TO THE CONDITIONS STATED ON PAGE 1		TITLE DIMMER LOADS	
				SIZE 0620-500930	REV: C
				SHEETS: 3/8	

OPERATION: PUSH BUTTON LED ON=LATCH RELEASED

REVISION

REV	ECN	DESCRIPTION	DATE	AUTHOR
A		Revised Functionality	5/29/2019	RED
B		Revise Harness Connections & Operation Block	6/24/2020	RED



PANTRY LATCH & PUSH BUTTON SWITCH LED OPERATION					
House Disconnect	Ignition	Park Brake	Push Button State	Push Button LED	Latch State
OFF	OFF	SET	RELEASED	OFF	LOCKED
OFF	ON	SET	RELEASED	ON	UNLOCKED
OFF	ON	RELEASED	RELEASED	OFF	LOCKED
OFF	ON	RELEASED	DEPRESSED	ON	UNLOCKED
ON	ON	SET	RELEASED	ON	UNLOCKED
ON	OFF	SET	RELEASED	ON	UNLOCKED
ON	ON	RELEASED	RELEASED	OFF	LOCKED
ON	ON	RELEASED	DEPRESSED	ON	UNLOCKED

NOTE: FOR GROUND & CONNECTOR LOCATION REFERENCE APPROPRIATE HARNESS PRINT

TOLERANCES ON MACHINED PARTS:		DRAWN:	DATE:
INCHES	METRIC	R. DYE	1/3/22
XX ± .05	X .3mm	MATERIAL:	REWORK LOCATION:
XXX ± .03	XX 10mm	APPLICATION:	DO NOT SCALE DRAWING
MODELS:		USAGE OF THE INFORMATION CONTAINED ON THIS DOCUMENT IS CONTINGENT ON AGREEMENT TO THE CONDITIONS STATED ON PAGE 1.	
BERKSHIRE, XL		ALL, ----, ----, XLT	
TITLE:		DWG/PRINT NUMBER:	
FOREST RIVER		0630-500705.dwg	
DIESEL MOTOR HOME DIVISION		REV: B	
SCHEMATIC, PANTRY LATCH		SHEETS: 2 / 2	

PANTRY LATCH OPERATION

Let's start with Pantry Operation

Anytime your House disconnect is ON, & your park brake is set, the cabinet should pull freely.

If either your house disconnect (by the door) is OFF or the Park brake is released, the pantry slide should lock & stay locked until both the conditions above are met again. Please remember the Pantry slide MUST be FULLY closed before the latch can engage the striker & lock the pantry.

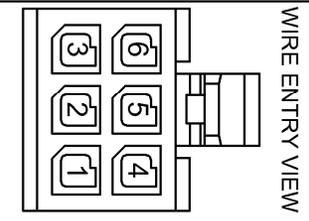
If you stand next to the pantry. when the House disconnect is turned on, with the park brake set, you can hear the latch cycle & release the pantry slide. It makes a soft whining sound. Now if you turn off the house disconnect, the switch light should go out & the pantry should latch closed.

If you heard the latch cycle, but the pantry still moved when the house disconnect was turned OFF, inspect the cabinet depth. If the pantry face is too close to the cabinet face, the latch can't engage the Striker when the park brake is locked. A simple way to test this is to remove the felt bumpers on the cabinet. If the latch engages the pantry striker & locks once the felt bumpers have been removed, the Pantry slide has been adjusted too close to the cabinet.

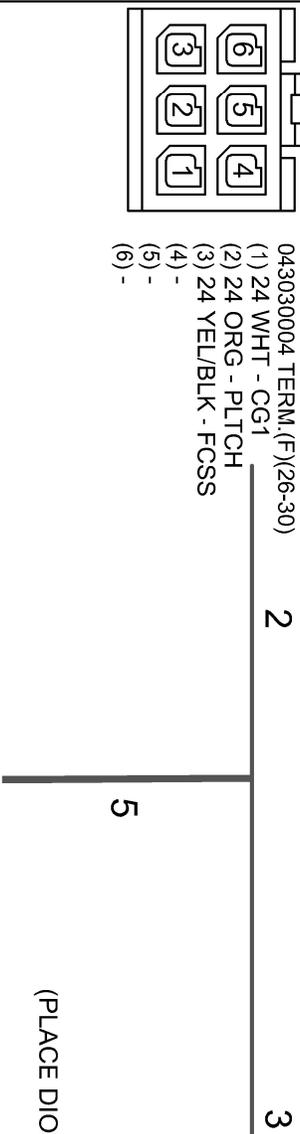
If you didn't hear the latch cycle when the House disconnect is turned on, with the park brake set:

1. Start by taking out the fireplace so you can see where the harness connects to the switch. Then make sure the switch is wired correctly.
2. Inspect chassis harness mating connector. Make sure there is a matching wire in terminals 1,3&6

REVISION				
REV	ECN	DESCRIPTION	DATE	AUTHOR
A		Replaces 0610-500498	11/13/2019	RED



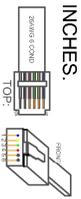
- 1 A
PANTRY LATCH
 6P MICRO RCPT
 43025-0600 MALE CONN.
 043030004 TERM.(F)(26-30)
 (1) 24 WHT - CG1
 (2) 24 ORG - PLTCH
 (3) 24 YEL/BLK - FCSS
 (4) -
 (5) -
 (6) -



- 3 A
HRNS INFACE
 C: 480701 (3POS)CAP
 C: 350218 PIN
 1) 16 YEL/BLK - FCSS
 2) 16 WHT - CG
 3) 18 ORG - PLTCH

- 2 A
OVERRIDE SW
 T:BARREL CONN
 SWITCH
 MATING WIRE
 16 ORG - PLTCH — 16 - RED
 16 WHT - CG1 — 16 - BLK
 16 YEL/BLK - FCSS — 16 - WHT

- NOTE:
 1. ALL WIRE TO BE GXL OR EQUIVALENT.
 2. ALL SPLICES TO BE COVERED WITH APPROPRIATE HEAT SHRINK.
 3. "WHITE" — LOOM SIGNIFIES LOW TEMP TUBING REQUIREMENT.
 4. "BLUE" — LOOM SIGNIFIES HIGH TEMP TUBING REQUIREMENT.
 5. HARNESS LENGTHS ARE IN FEET UNLESS NOTED WITH QUOTATION FOR INCHES.
 7. TAG HARNESS WITH MODEL AND PART NUMBER.
 8. 2/8 FLAT PHONE POSITIONS (1) BLU(2)YEL(3)GRN(4)RED(5)BLK(6)WHT



TOLERANCES ON MACHINED PARTS.		DRAWN	DATE
INCHES	METRIC	BWAIN	1/6/23
XXX ± .05	X .3mm	MATERIAL: GXL or Equiv.	
XXX ± .03	XX .10mm	ASSEMBLY TOLERANCES: APPLY/CLTOL	
FINISHES (AS)		ELECTRICAL	
BERK, XLT, XLT		SEE INDEX.	
DO NOT SCALE DRAWING		THIS DOCUMENT IS THE PROPERTY OF FOREST RIVER. IT IS TO BE USED ONLY FOR THE PROJECT AND INFORMATION HEREIN IS STRICTLY PROHIBITED.	
TITLE		SIZE	
FOREST RIVER		DWG/PRINT NUMBER:	
DIESEL MOTOR HOME DIVISION		0610-500633.dwg	
HARNESS, PANTRY		SHEETS 1 / 1	
REV: A			

Here are the steps to diagnose the Pantry Latch.

Is the light for the pantry release button illuminated?

Yes, Most likely the connector has come loose from the electric latch. The pantry latch can be accessed & released from a hole in the top of the base cabinet.

NO - is the indicator light on for the CO detector?

No, check the 5A circuit breaker in the House Battery compartment for the CO detector.

Yes, Turn on the Chassis Ignition, is the light for the pantry release button illuminated?

Yes-check power to the Pantry Latch relay in the Front Elec Center.

No-Check the 15 position Amp connector located behind the fireplace