



Portable Industrial Heaters

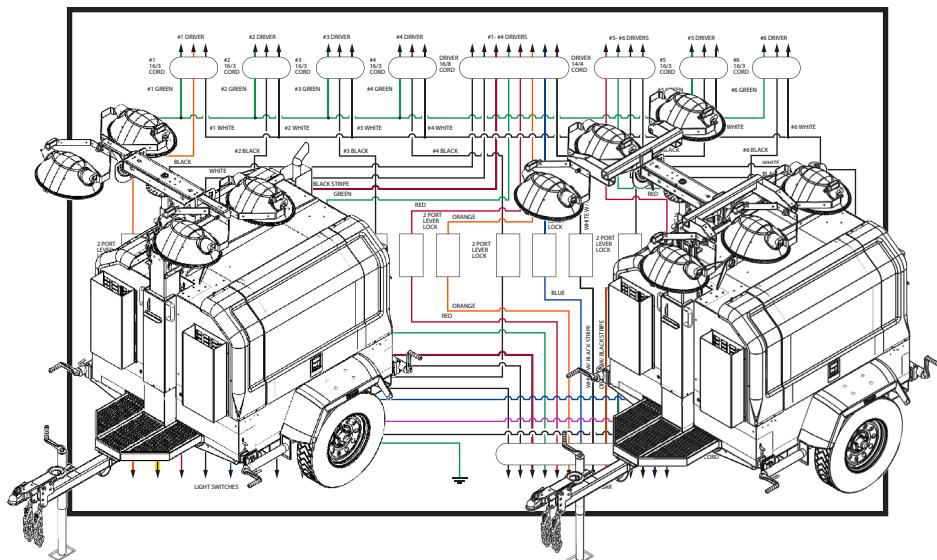
Portable Light Towers

Portable Light Stands

Solar Flashing Arrow Boards



en Wire Schematic Manual
MAXI-LITE® II, RIG SPEC™,
& MINE SPEC™



Copyright © 2016 Allmand Bros., Inc.
Holdrege, NE, USA. All rights reserved.

Part No.: 109000
Revision: A

LIGHT TOWER APP



A black rectangular button with white text and a play icon. The text reads "ANDROID APP ON" above "Google play".

Reliability, Performance, and Integrity Since 1938

www.allmand.com

TABLE OF CONTENTS

SLS Key Start Schematic (105894)	(1.1)
LSC Schematic (105895)	(1.2)
SLS 1.1 Relay Addition Schematic (106877)	(1.3)
LSC 2.1 120V Transformer Schematic (106885)	(1.4)
CAT C1.1 Schematic (105888)	(1.5)
CAT C1.1 Voltage Regulator Schematic (105899)	(1.6)
CAT C1.1 LSC Schematic (105904)	(1.7)
CAT C1.5 Schematic (105889)	(1.8)
CAT C1.5 LSC Schematic (106044)	(1.9)
CAT C1.5 Turbo Schematic (106553)	(1.10)
CAT C1.5 Turbo LSC Schematic (106554)	(1.11)
CAT C1.5 Turbo Governor Schematic (105746)	(1.12)
Kubota D1005/1105 Schematic (105893)	(1.13)
Kubota D1005/1105 LSC Schematic (105905)	(1.14)
Isuzu 4LE1 Schematic (105890)	(1.15)
Isuzu 4LE1 LSC Schematic (105906)	(1.16)
Isuzu 4LE1 Governor Schematic (105885)	(1.17)
Shocker Valve Schematic (106156)	(1.18)
Low Fuel Module Schematic (105901)	(1.19)
Low Fuel Sender Schematic (106341)	(1.20)
Fuel Beacon Run Light Schematic (105887)	(1.21)
Run Beacon Schematic (106092)	(1.22)
Heated Fuel/Water Separator Schematic (105886)	(1.23)
Diesel Fired Block Heater Schematic (106045)	(1.24)
4 Light 14/7 Cord Junction Box Schematic (105283)	(1.25)
4 Light 16/8 Cord Junction Box Schematic (105284)	(1.26)
6 Light 16/10 Cord Junction Box Schematic (105285)	(1.27)
6 Light 16/14 Cord w/Aux Light Junction Box Schematic (105319)	(1.28)
4 LED Light Junction Box Schematic (105634)	(1.29)
6 LED Light Junction Box Schematic (105635)	(1.30)
4 Light 2 Relay Schematic (105892)	(1.31)
6 Light 2 Relay Schematic (106340)	(1.32)
6 Light 3 Relay Schematic (105891)	(1.33)

TABLE OF CONTENTS

4 Light 14/7 Cord Schematic (105291)	(1.34)
4 Light 16/8 Cord Schematic (105292)	(1.35)
6 Light 16/10 Cord Schematic (105293)	(1.36)
6 Light 16/14 Cord Schematic (105320)	(1.37)
4 Light LED Schematic (105713)	(1.38)
4 Light LED Disconnect Schematic (106157)	(1.39)
6 Light LED Schematic (105714)	(1.40)
6 Light LED Disconnect Schematic (106158)	(1.41)
1000W 50Hz 120V Ballast Schematic (105288)	(1.42)
1000W 50Hz 220V Ballast Schematic (105289)	(1.43)
1000W 60Hz 120V Ballast Schematic (105287)	(1.44)
1000W 60Hz 120V HPS Ballast Schematic (105184)	(1.45)
1250W 60Hz 120V Ballast Schematic (105286)	(1.46)
1250W 60Hz 240V Ballast Schematic (105290)	(1.47)
8kW 1PH 2-240V 30A 1-120V 20A GFCI Schematic (108017)	(1.48)
14kW 1PH 1-20A GFCI 1-15 L6-15R 1-20A L6-30R Schematic (108018)	(1.49)
15kW 1PH 4-240V 30A 2-120V 20A GFCI Schematic (108020)	(1.50)
20kW 1PH 4-240V 30A 2-120V 20A GFCI Schematic (108023)	(1.51)
20kW 3PH 4-208V 30A 2-120V 20A GFCI Schematic (108024)	(1.52)
20kW 1PH 1-240V 20A 1-240V 15A 1-20A GFCI Schematic (108021)	(1.53)
8kW 1PH 1-30A RV 2-20A GFCI Schematic (108016)	(1.54)
20kW 1PH 2-30A RV 2-20A GFCI Schematic (108022)	(1.55)
13kW 1PH 2-30A RV 2-20A GFCI Schematic (108019)	(1.56)
8kW 1PH 2-30A RV 1-20A GFCI Schematic (108015)	(1.57)
6kW 1PH 2-16A Schuko 50Hz Schematic (105256)	(1.58)
12kW 1PH 3-16A Schuko 50Hz Schematic (105256)	(1.59)
Aux Outlet 2-20A GFCI 1-50A Schematic (105317)	(1.60)
Aux Outlet 1-50A Schematic (105932)	(1.61)
Aux Outlet 3-50A 1-30A Schematic (105268)	(1.62)
Aux Outlet 1-60A 3P 600V Schematic (105267)	(1.63)
Aux Outlet 1-50A 4-50R Schematic (105265)	(1.64)
Internal GFCI Schematic (106086)	(1.65)
50Hz Aux Outlet Disconnect Box Schematic (105266)	(1.66)

TABLE OF CONTENTS

20kW 1P Transfer Switch Schematic (105303)	(1.67)
8kW 1P Marathon/Athlon Schematic (105269)	(1.68)
4/4 Cord 240 L-L CAT C1.5 Schematic (106090)	(1.69)
3P CAT C1.5T Schematic (106555)	(1.70)
20kW 1P Marathon Schematic (105933)	(1.71)
20kW 3P 208V 60Hz Cummins Schematic (105272)	(1.72)
Hydraulic Vertical Pump w/Key Switch Relay Schematic (105296)	(1.73)
Interior Work Light Schematic (105896)	(1.74)
GPS ZTR System Schematic (105345)	(1.75)
Emergency Stop Schematic (105903)	(1.76)
102 Decibel Alarm Schematic (108035)	(1.77)
Tail Light Schematic (107266)	(1.78)
Electrical Brake Tail Light Schematic (105298)	(1.79)
Marker Lights Schematic (107267)	(1.80)
License Plate Light Schematic (105299)	(1.81)
License Plate LED Light Schematic (105350)	(1.82)

WIRE SCHEMATIC PAGE CONNECTION TABLE (1 of 7)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
SLS Key Start Schematic (1.1)	1.76	1.12, 1.19, 1.23, 1.73, and/or 1.74	1.6, 1.12, or 1.17	1.3
LSC Schematic (1.2)	1.24	1.4	1.7, 1.9, 1.11, 1.14, 1.16, or 1.20	1.21

Schematic Page	5th Connection Page(s)	6th Connection Page(s)	7th Connection Page(s)	8th Connection Page(s)
SLS Key Start Schematic (1.1)	1.31, 1.32, or 1.33	1.5, 1.8, 1.10, 1.13 or 1.15	1.5, 1.8, 1.10, 1.13 or 1.15	1.5, 1.8, 1.10, 1.13 or 1.15
LSC Schematic (1.2)	1.22, 1.23, 1.74, and/or 1.73	1.6, 1.12, or 11.7	1.7, 1.9, 1.11, 1.14, or 1.16	1.7, 1.9, 1.11, 1.14, or 1.16

Schematic Page	9th Connection Page(s)	10th Connection Page(s)	11th Connection Page(s)	12th Connection Page(s)
LSC Schematic (1.2)	1.31, 1.32, or 1.33	1.7, 1.9, 1.11, 1.14, or 1.16	1.77	1.6

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
SLS 1.1 Relay Addition Schematic (1.3)	1.68, 1.69, 1.70, 1.71, or 1.72	1.1	1.48, 1.49, 1.50, 1.51, 1.52, 1.53, 1.54, 1.56, 1.57, 1.58, 1.59, or 1.67	n/a
LSC 2.1 120V Transformer Schematic (1.4)	1.68, 1.69, 1.70, 1.71, or 1.72	1.2	1.48, 1.49, 1.50, 1.51, 1.52, 1.53, 1.54, 1.56, 1.57, 1.58, 1.59, or 1.67	n/a
CAT C1.1 Schematic (1.5)	1.1 and 1.6	1.19	1.1	1.1
CAT C1.1 Voltage Regulator Schematic (1.6)	1.3 or 1.5	1.1 or 1.2	n/a	n/a

***NOTE:** All Engine schematic pages have an optional connection to the Emergency Stop schematic page (1.76).

WIRE SCHEMATIC PAGE CONNECTION TABLE (2 of 7)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
CAT C1.1 LSC Schematic (1.7)	1.2 and 1.6	1.2	1.2	1.2
CAT C1.5 Schematic (1.8)	1.1	1.19	1.1	1.1
CAT C1.5 LSC Schematic (1.9)	1.2	1.2	1.2	1.2
CAT C1.5 Turbo Schematic (1.10)	1.1	1.19	1.1	1.1
CAT C1.5 Turbo LSC Schematic (1.11)	1.2	1.2	1.2	1.2

Schematic Page	5th Connection Page(s)	6th Connection Page(s)	7th Connection Page(s)	8th Connection Page(s)
CAT C1.5 Turbo Schematic (1.10)	1.12	n/a	n/a	n/a
CAT C1.5 Turbo LSC Schematic (1.11)	1.12	n/a	n/a	n/a

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
CAT C1.5 Turbo Governor Schematic (1.12)	1.10 or 1.11	1.1 or 1.2	n/a	n/a
Kubota D1005/1105 Schematic (1.13)	1.1	1.19	1.1	1.1
Kubota D1005/1105 LSC Schematic (1.14)	1.2	1.2	1.2	1.2
Isuzu 4LE1 Schematic (1.15)	1.1	1.19	1.1	1.1
Isuzu 4LE1 LSC Schematic (1.16)	1.2	1.2	1.2	1.2

*NOTE: All Engine schematic pages have an optional connection to the Emergency Stop schematic page (1.76).

WIRE SCHEMATIC PAGE CONNECTION TABLE (3 of 7)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
Isuzu 4LE1 Governor Schematic (1.17)	1.1 or 1.2	n/a	n/a	n/a
Shocker Valve Schematic (1.18)	n/a	n/a	n/a	n/a
Low Fuel Module Schematic (1.19)	1.5, 1.8, 1.10, 1.13 or 1.20	1.21	1.1	n/a
Low Fuel Sender Schematic (1.20)	1.2 or 1.19	n/a	n/a	n/a
Fuel Beacon Run Light Schematic (1.21)	1.22	1.2	n/a	n/a
Run Beacon Schematic (1.22)	1.21	1.2	n/a	n/a
Heated Fuel/Water Separator Schematic (1.23)	1.1 or 1.2	n/a	n/a	n/a
Diesel Fired Block Heater Schematic (1.24)	1.2	n/a	n/a	n/a
4 Light 14/7 Cord Junction Box Schematic (1.25)	1.31	1.34	1.42, 1.43 1.44, 1.45, 1.46 or 1.47	n/a
4 Light 16/8 Cord Junction Box Schematic (1.26)	1.31	1.35	1.42, 1.43 1.44, 1.45, 1.46 or 1.47	n/a
6 Light 16/10 Cord Junction Box Schematic (1.27)	1.32 or 1.33	1.36	1.42, 1.43 1.44, 1.45, 1.46 or 1.47	n/a
6 Light 16/14 Cord w/Aux Light Junction Box Schematic (1.28)	1.32 or 1.33	1.37	1.42, 1.43 1.44, 1.45, 1.46 or 1.47	n/a
4 LED Light Junction Box Schematic (1.29)	1.31	1.38 or 1.39	n/a	n/a
6 LED Light Junction Box Schematic (1.30)	1.32 or 1.33	1.40 or 1.41	n/a	n/a

WIRE SCHEMATIC PAGE CONNECTION TABLE (4 of 7)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
4 Light 2 Relay Schematic (1.31)	1.1 or 1.2	1.25, 1.26, or 1.29	1.48, 1.49, 1.50, 1.51, 1.53, 1.54, 1.56, 1.57, 1.58, 1.59, or 1.67	n/a
6 Light 2 Relay Schematic (1.32)	1.1 or 1.2	1.27, 1.28, or 1.30	1.48, 1.49, 1.50, 1.51, 1.53, 1.54, 1.56, 1.57, 1.58, 1.59, or 1.67	n/a
6 Light 3 Relay Schematic (1.33)	1.1 or 1.2	1.27, 1.28, or 1.3	1.52	n/a
4 Light 14/7 Cord Schematic (1.34)	1.25	n/a	n/a	n/a
4 Light 16/8 Cord Schematic (1.35)	1.26	n/a	n/a	n/a
6 Light 16/10 Cord Schematic (1.36)	1.27	n/a	n/a	n/a
6 Light 16/14 Cord Schematic (1.37)	1.28	n/a	n/a	n/a
4 Light LED Schematic (1.38)	1.29	n/a	n/a	n/a
4 Light LED Disconnect Schematic (1.39)	1.29	n/a	n/a	n/a
6 Light LED Schematic (1.40)	1.30	n/a	n/a	n/a
6 Light LED Disconnect Schematic (1.41)	1.30	n/a	n/a	n/a
1000W 50Hz 120V Ballast Schematic (1.42)	1.25, 1.26, 1.27, or 1.28	n/a	n/a	n/a
1000W 50Hz 220V Ballast Schematic (1.43)	1.25, 1.26, 1.27, or 1.28	n/a	n/a	n/a
1000W 60Hz 120V Ballast Schematic (1.44)	1.25, 1.26, 1.27, or 1.28	n/a	n/a	n/a

WIRE SCHEMATIC PAGE CONNECTION TABLE (5 of 7)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
1000W 60Hz 120V HPS Ballast Schematic (1.45)	1.25, 1.26, 1.27, or 1.28	n/a	n/a	n/a
1250W 60Hz 120V Ballast Schematic (1.46)	1.25, 1.26, 1.27, or 1.28	n/a	n/a	n/a
1250W 60Hz 240V Ballast Schematic (1.47)	1.25, 1.26, 1.27, or 1.28	n/a	n/a	n/a
8kW 1PH 2-240V 30A 1-120V 20A GFCI Schematic (1.48)	1.3 or 1.4	1.31 or 1.32	n/a	n/a
14kW 1PH 1-20A GFCI 1-15L6-15R 1-20A L6-30R Schematic (1.49)	1.3 or 1.4	1.31 or 1.32	1.60, 1.61, 1.64, or 1.65	n/a
15kW 1PH 4-240V 30A 2-120V 20A GFCI Schematic (1.50)	1.3 or 1.4	1.31 or 1.32	n/a	n/a
20kW 1PH 4-240V 30A 2-120V 20A GFCI Schematic (1.51)	1.3 or 1.4	1.31 or 1.32	n/a	n/a
20kW 3PH 4-208V 30A 2-120V 20A GFCI Schematic (1.52)	1.3 or 1.4	1.33	1.66	n/a
20kW 1PH 1-240V 20A 1-240V 15A 1-20A GFCI Schematic (1.53)	1.3 or 1.4	1.31 or 1.32	1.60, 1.61, 1.64, or 1.65	n/a
8kW 1-PH 1-30A RV 2-20A GFCI Schematic (1.54)	1.3 or 1.4	1.31 or 1.32	n/a	n/a
20kW 1-PH 2-30A RV 2-20A GFCI Schematic (1.55)	1.3 or 1.4	1.31 or 1.32	1.60, 1.61, 1.64, or 1.65	n/a
13kW 1-PH 2-30A RV 2-20A GFCI Schematic (1.56)	1.3 or 1.4	1.31 or 1.32	1.60, 1.61, 1.64, or 1.65	n/a
8kW 1-PH 2-30A RV 1-20A GFCI Schematic (1.57)	1.3 or 1.4	1.31 or 1.32	n/a	n/a

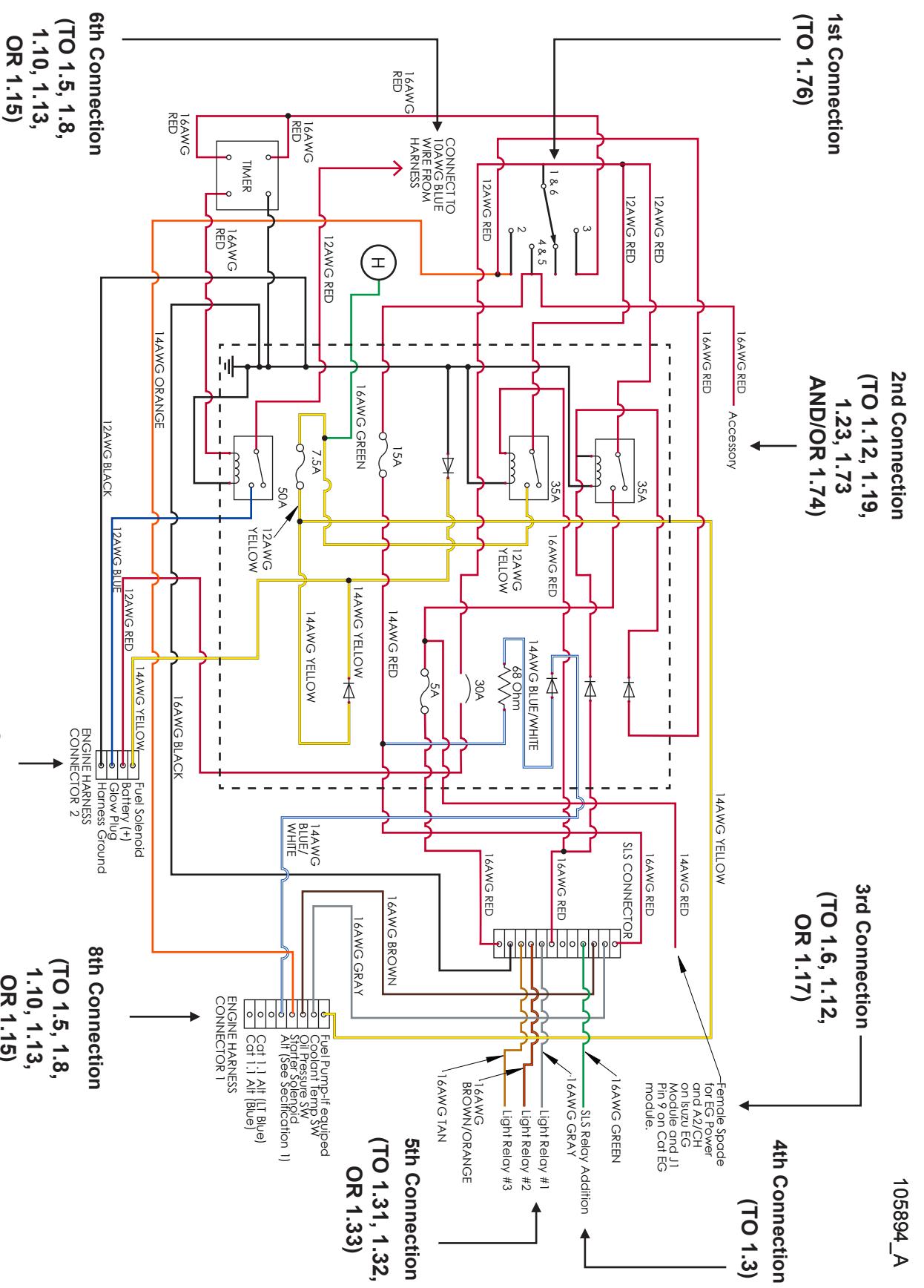
WIRE SCHEMATIC PAGE CONNECTION TABLE (6 of 7)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
6kW 1-PH 2-16A Schuko 50Hz Schematic (1.58)	1.3 or 1.4	1.31 or 1.32	n/a	n/a
12kW 1-PH 2-16A Schuko 50Hz Schematic (1.59)	1.3 or 1.4	1.31 or 1.32	n/a	n/a
Aux Outlet 2-20A GFCI 1-50A Schematic (1.60)	1.49, 1.53, 1.55, or 1.56	n/a	n/a	n/a
Aux Outlet 1-50A Schematic (1.61)	1.49, 1.53, 1.55, or 1.56	n/a	n/a	n/a
Aux Outlet 3-50A 1-30A Schematic (1.62)	1.67	1.67	n/a	n/a
Aux Outlet 1-60A 3P 600V Schematic (1.63)	1.52	n/a	n/a	n/a
Aux Outlet 1-50A 4-50R Schematic (1.64)	1.49, 1.53, 1.55, or 1.56	n/a	n/a	n/a
Internal GFCI Schematic (1.65)	1.49, 1.53, 1.55, or 1.56	n/a	n/a	n/a
50Hz Aux Outlet Disconnect Box Schematic (1.66)	1.59	n/a	n/a	n/a
20kW 1P Transfer Switch Schematic (1.67)	1.62	1.31 or 1.32	n/a	n/a
8kW 1P Marathon/Athlon Schematic (1.68)	1.3 or 1.4	n/a	n/a	n/a
4/4 Cord 240 L-L CAT C1.5 Schematic (1.69)	1.3 or 1.4	n/a	n/a	n/a
3P CAT C1.5T Schematic (1.70)	1.3 or 1.4	n/a	n/a	n/a
20kW 1P Marathon Schematic (1.71)	1.3 or 1.4	n/a	n/a	n/a

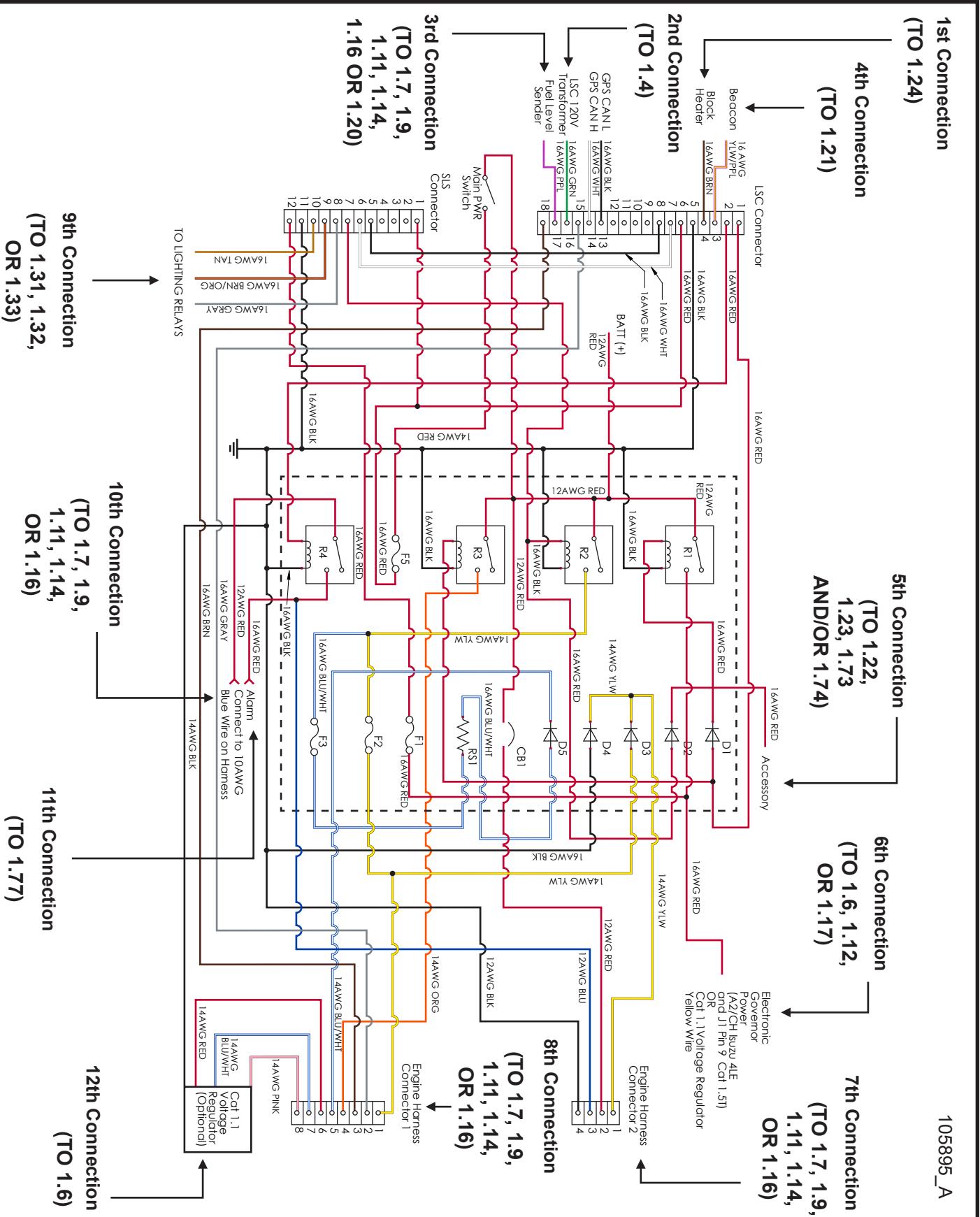
WIRE SCHEMATIC PAGE CONNECTION TABLE (7 of 7)

Schematic Page	1st Connection Page(s)	2nd Connection Page(s)	3rd Connection Page(s)	4th Connection Page(s)
20kW 3P 208V 60Hz Cummins Schematic (1.72)	1.3 or 1.4	n/a	n/a	n/a
Hydraulic Vertical Pump w/ Key Switch Relay Schematic (1.73)	1.1 or 1.2	n/a	n/a	n/a
Interior Work Light Schematic (1.74)	1.1 or 1.2	n/a	n/a	n/a
GPS ZTR System Schematic (1.75)	1.1	n/a	n/a	n/a
Emergency Stop Schematic (1.76)	1.5, 1.7, 1.8, 1.9, 1.10, 1.11, 1.13, 1.14, 1.15, or 1.16	n/a	n/a	n/a
102 Decibel Alarm Schematic (1.77)	1.2	n/a	n/a	n/a
Tail Light Schematic (1.78)	1.81 or 1.82	1.80	n/a	n/a
Electrical Brake Tail Light Schematic (1.79)	n/a	n/a	n/a	n/a
Marker Lights Schematic (1.80)	1.78	n/a	n/a	n/a
License Plate Light Schematic (1.81)	1.78	n/a	n/a	n/a
License Plate LED Light Schematic (1.82)	1.78	n/a	n/a	n/a

1.1 - SLS Key Start Schematic



1.2 - LSC Schematic



1.3 - SLS 1.1 Relay Addition Schematic

1st Connection
(TO 1.68, 1.69,
1.70, 1.71,
OR 1.72)

106877_A

2nd Connection
(TO 1.1)

12 CAVITY
CONNECTOR
SLS
MODULE
CAVITY #4

GREEN 16 AWG

BLACK 16 AWG

2 AMP FUSE

MAIN
CIRCUIT
BREAKER

120 VOLT
RELAY
1
6
0
8
NORMALLY
OPEN

GREEN 16 AWG

BLACK 16 AWG

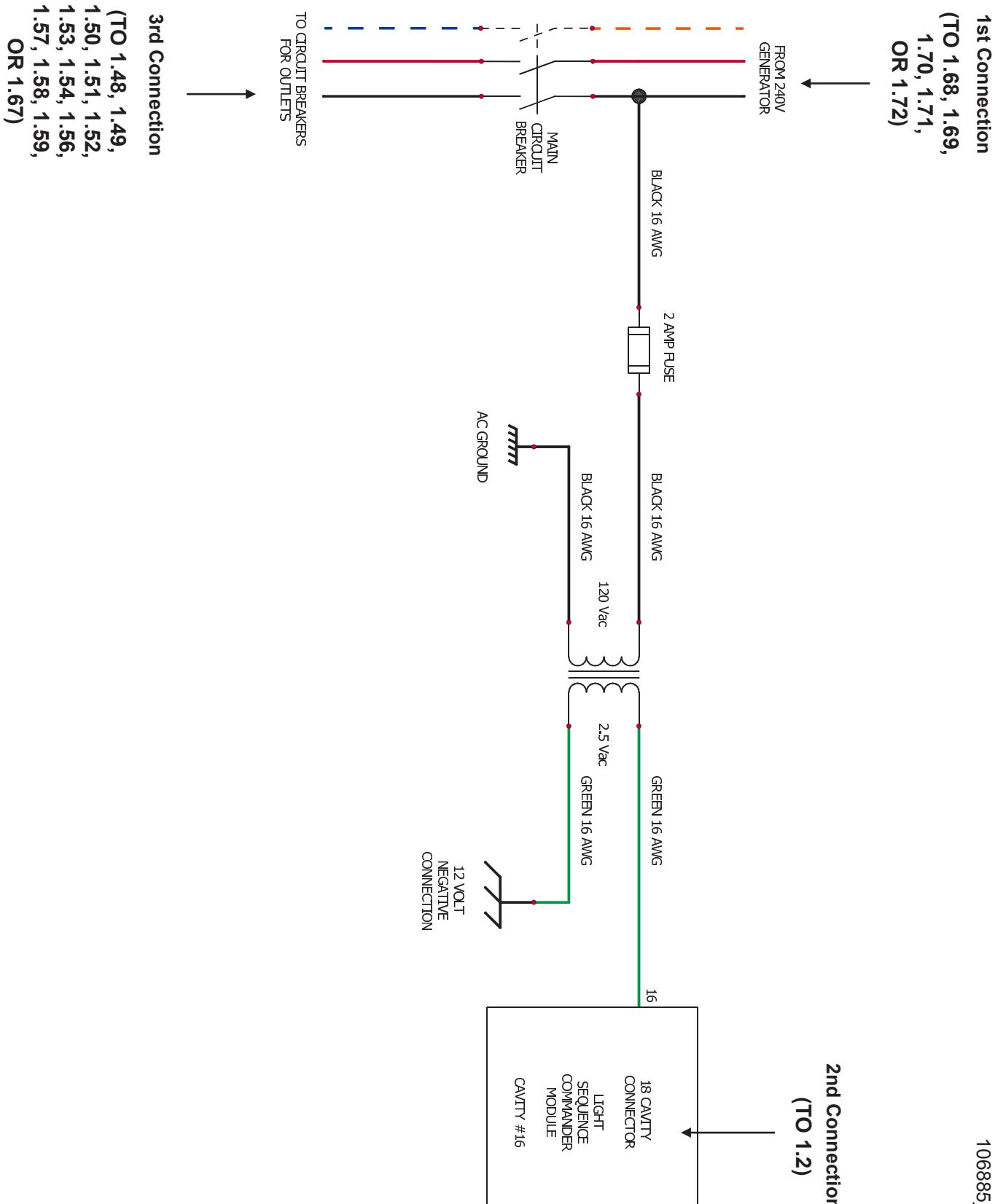
12 VOLT
POSITIVE
CONNECTION
AT KEY SWITCH

AC GROUND

TO CIRCUIT BREAKERS
FOR OUTLETS

3rd Connection
(TO 1.48, 1.49,
1.50, 1.51, 1.52,
1.53, 1.54, 1.56,
1.57, 1.58, 1.59,
OR 1.67)

1.4 - LSC 2.1 120V Transformer Schematic



1.5 - CAT C1.1 Schematic

1st Connection

(TO 1.1,
AND 1.6)

2nd Connection (TO 1.19)

100

8 PIN ENGINE HARNESS

16AWG GRAY
CONNECTOR

1 ○
2 △

**16AWG BROWN
16AWG ORANGE**

**COOLANT TEMPERATURE
SWITCH (NO-CLOSES ON HIGH TEE)**

16AWG BLACK

**16AWG BLACK
OIL PRESSURE SWITCH
INC-OPENS ON
PRESSURE INCREASE**

1

SOLENOID

B+

STARTER

3AWG RED

ZAWOŁKI

A small red square diagram with a black dot at its center.

10 of 10

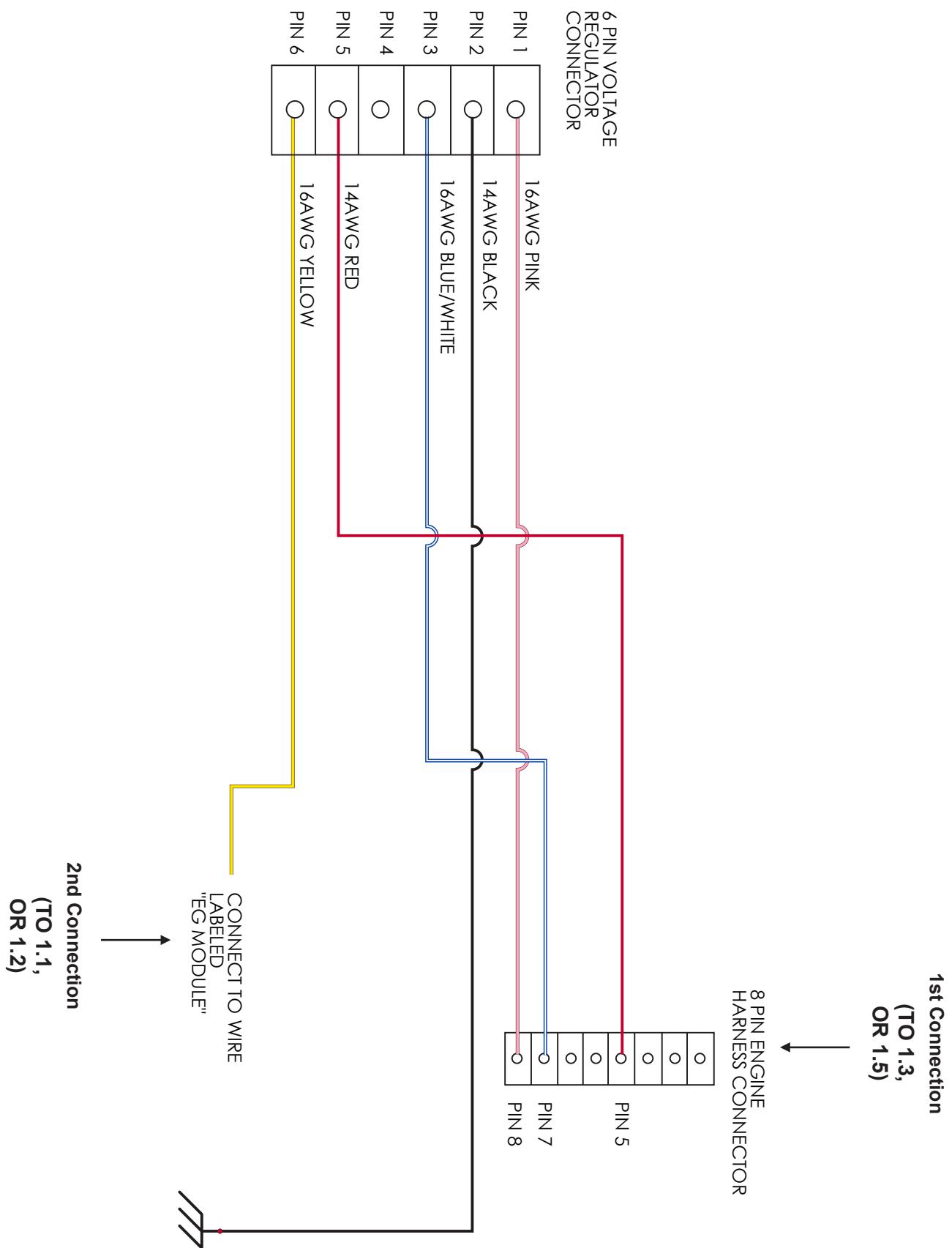
— ZAWG BLACK

4th Connection (TO 1.1)

3rd Connection
(TO 1.1)

Optional Connection
(TO 1.76)

105888_A

1.6 - CAT C1.1 Voltage Regulator Schematic

1.7 - CAT C1.1 LSC Schematic

105904_A

1st Connection
(TO 1.2,
AND 1.4)

2nd Connection
(TO 1.2)

8 PIN ENGINE HARNESS
CONNECTOR

1	○	16AWG GRAY
2	○	16AWG BROWN
3	○	16AWG ORANGE
4	○	14AWG RED
5	○	16AWG BLUE/WHITE
6	○	16AWG PINK
7	○	16AWG YELLOW
8	○	12AWG BLUE

CONNECT TO
WIRE LABELED
"FUEL LEVEL"
(OPTIONAL)

FUEL LEVEL
SENDER
(OPTIONAL)

COOLANT TEMP
SENDER

OIL PRESSURE
SENDER

10AWG BLUE

16AWG BLACK

ALTERNATOR

STARTER
SOLENOID

1.7

4 PIN ENGINE HARNESS
CONNECTOR

PIN 1

○

PIN 2

○

PIN 3

○

PIN 4

○

GLOW PLUGS

14AWG YELLOW

12AWG BLACK

FUEL SOLENOID

16AWG BLACK

E-STOP SWITCH

12AWG RED

2AWG BLACK

12AWG RED

3rd Connection
(TO 1.2)

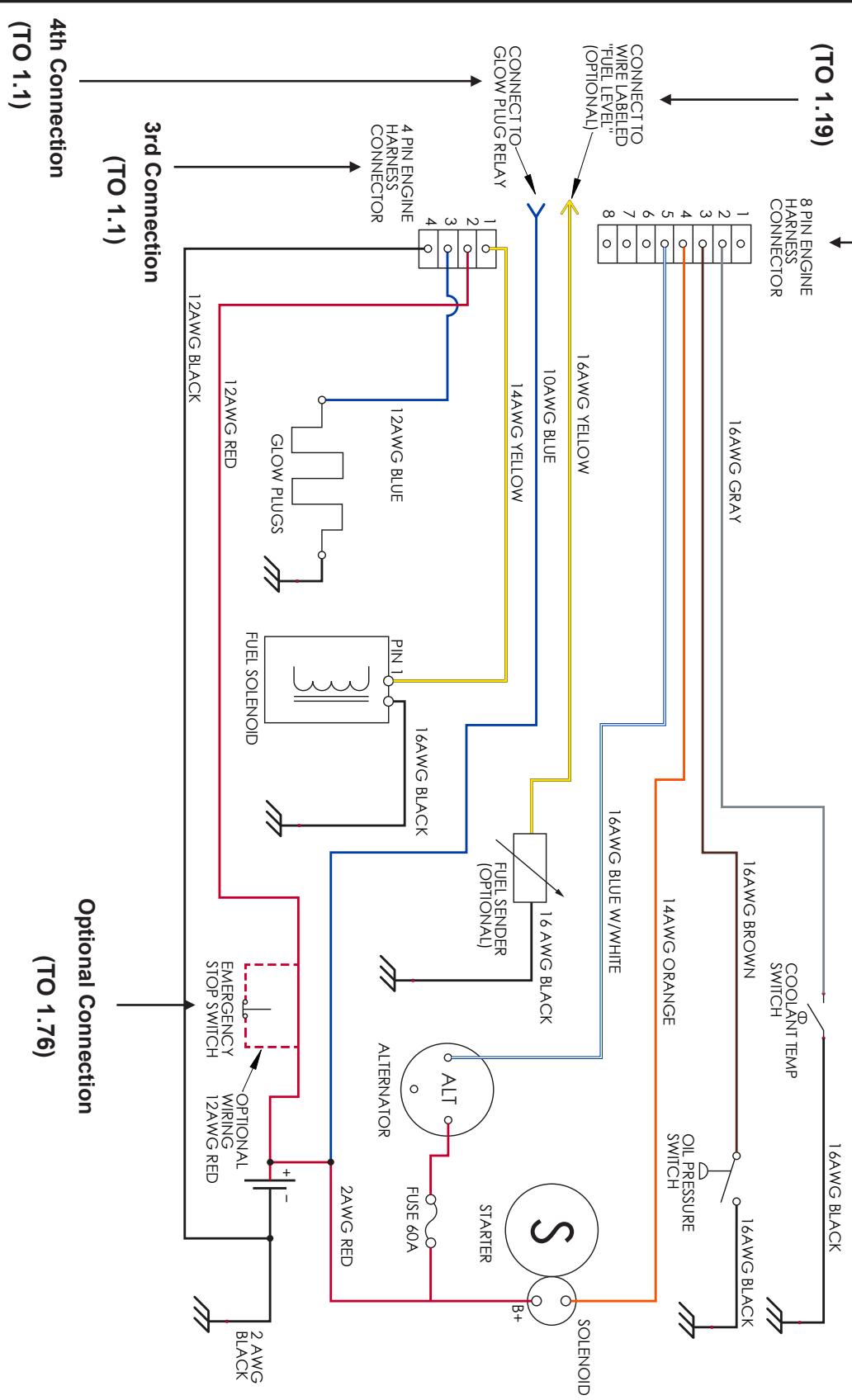
4th Connection
(TO 1.2)

Optional Connection
(TO 1.76)

Maxi-Lite II Wire Schematic Manual
©2016 Allmand™ Bros., Inc.

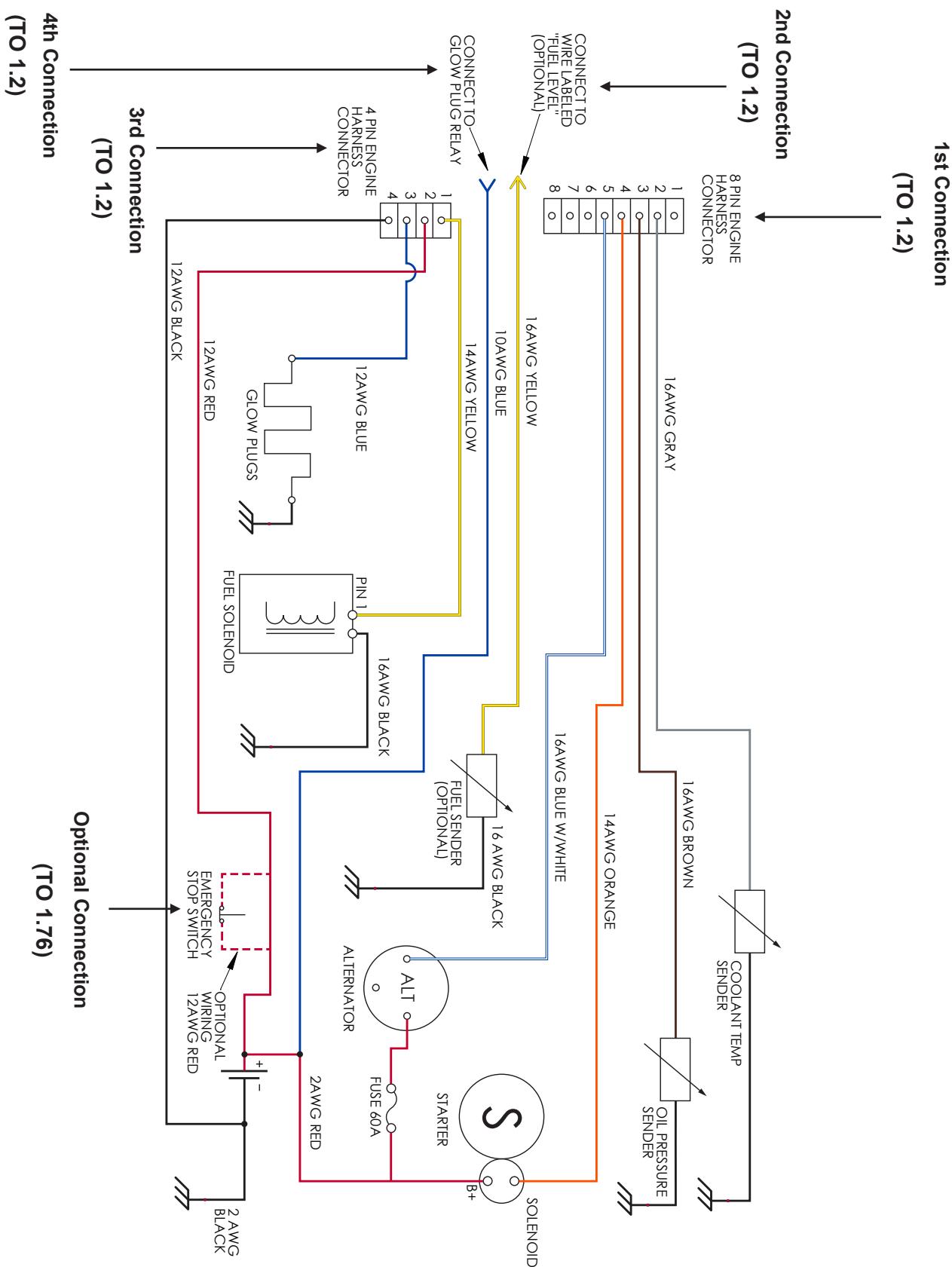
1.8 - CAT C1.5 Schematic

105889_A



1.9 - CAT C1.5 LSC Schematic

106044_A



1.10 - CAT C1.5 Turbo Schematic

106553_A

3rd Connection
(TO 1.1)

Optional Connection
(TO 1.76)

5th Connection
(TO 1.12)

12 PIN
DEUTSCH PLUG

ENGINE HARNESS
4 PIN CONNECTOR

ELECTRONIC
GOVERNOR
MODULE

RECEPTACLE

GREEN - 18 AWG

YELLOW - 18 AWG

GREEN - 18 AWG

YELLOW - 18 AWG

MAGNETIC
PICKUP

EG MODULE

BLACK - 16 AWG

1

2

3

4

5

6

7

8

9

10

11

12

2nd Connection → CONNECTS TO
BATTERY → WIRE LABLED
"FUEL LEVEL"

4th Connection
(TO 1.1)

STARTER

ALTERNATOR

60 AMP
FUSE

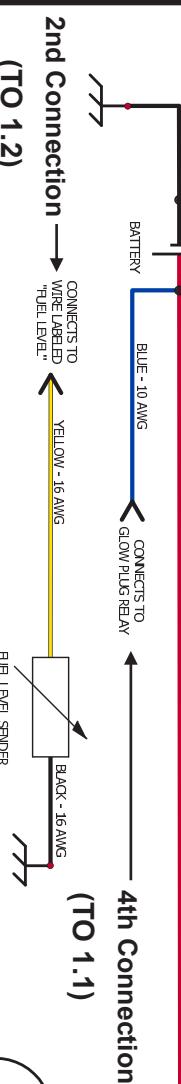
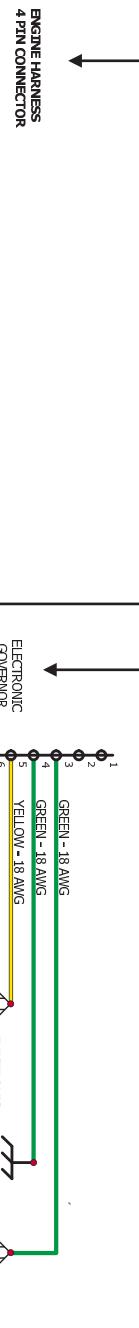
1.11 - CAT C1.5 Turbo LSC Schematic

106554_A

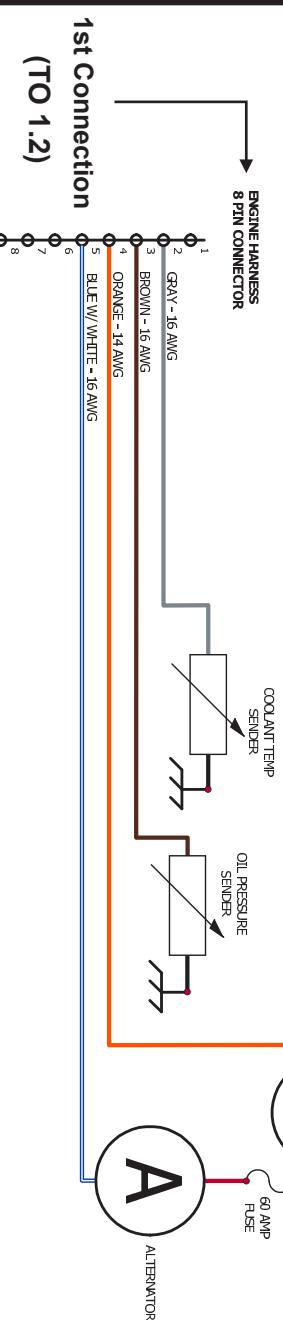
3rd Connection
(TO 1.2)

Optional Connection
(TO 1.76)

5th Connection
(TO 1.12)

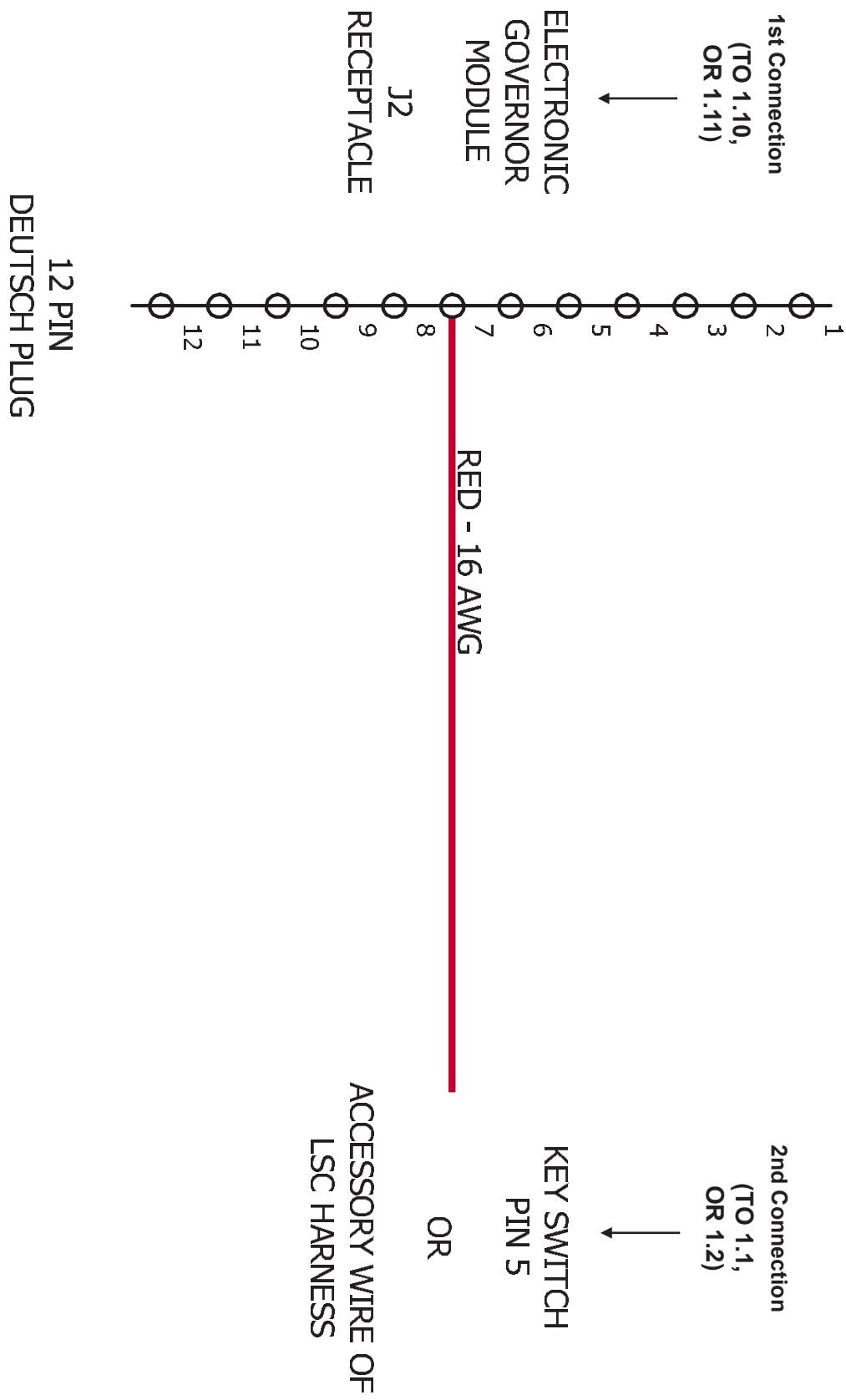


2nd Connection
(TO 1.2)



1st Connection
(TO 1.2)

1.12 - CAT C1.5 Turbo Governor Schematic

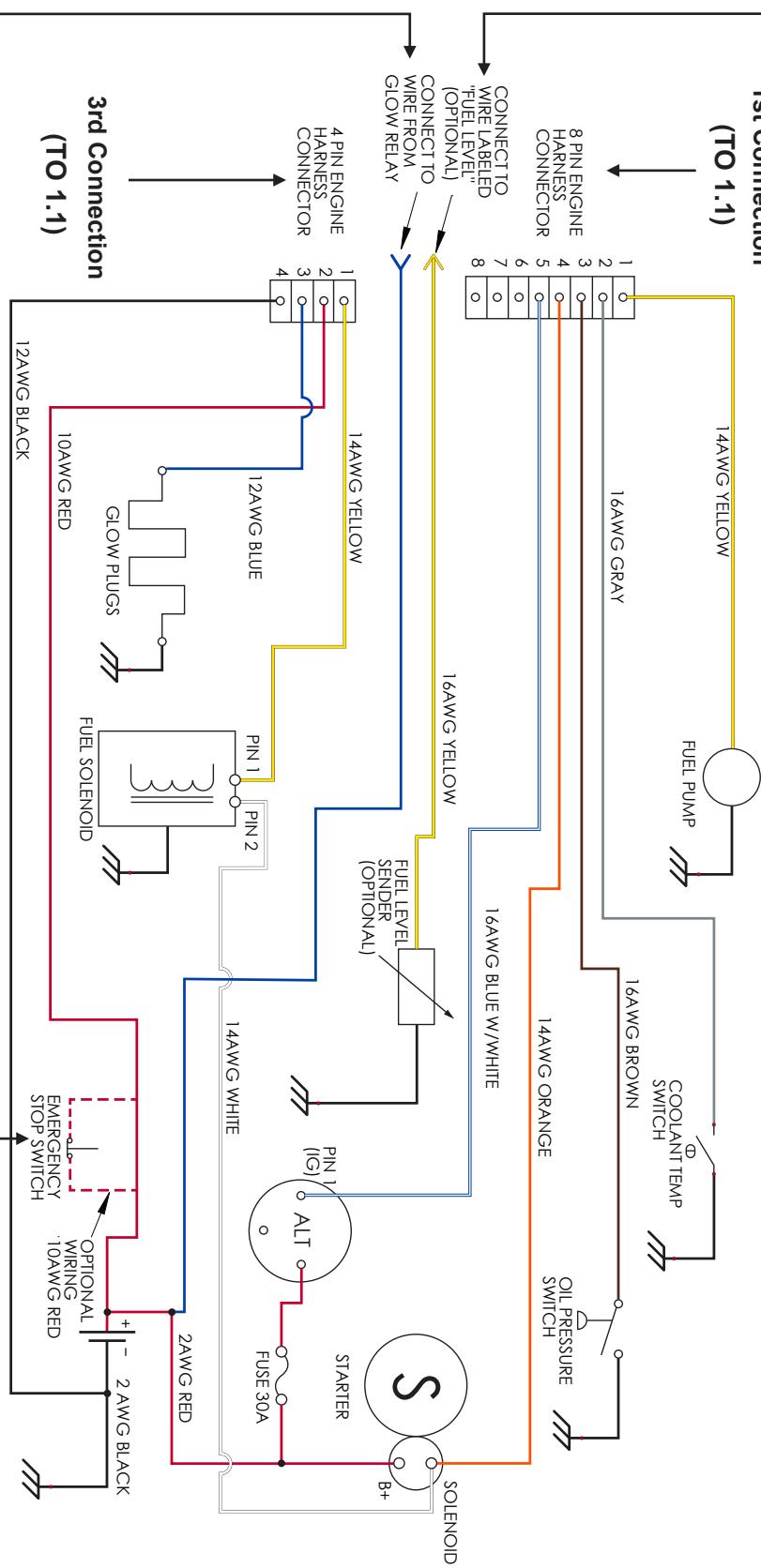


1.13 - Kubota D1005/1105 Schematic

105893_A

2nd Connection
(TO 1.19)

1st Connection
(TO 1.1)



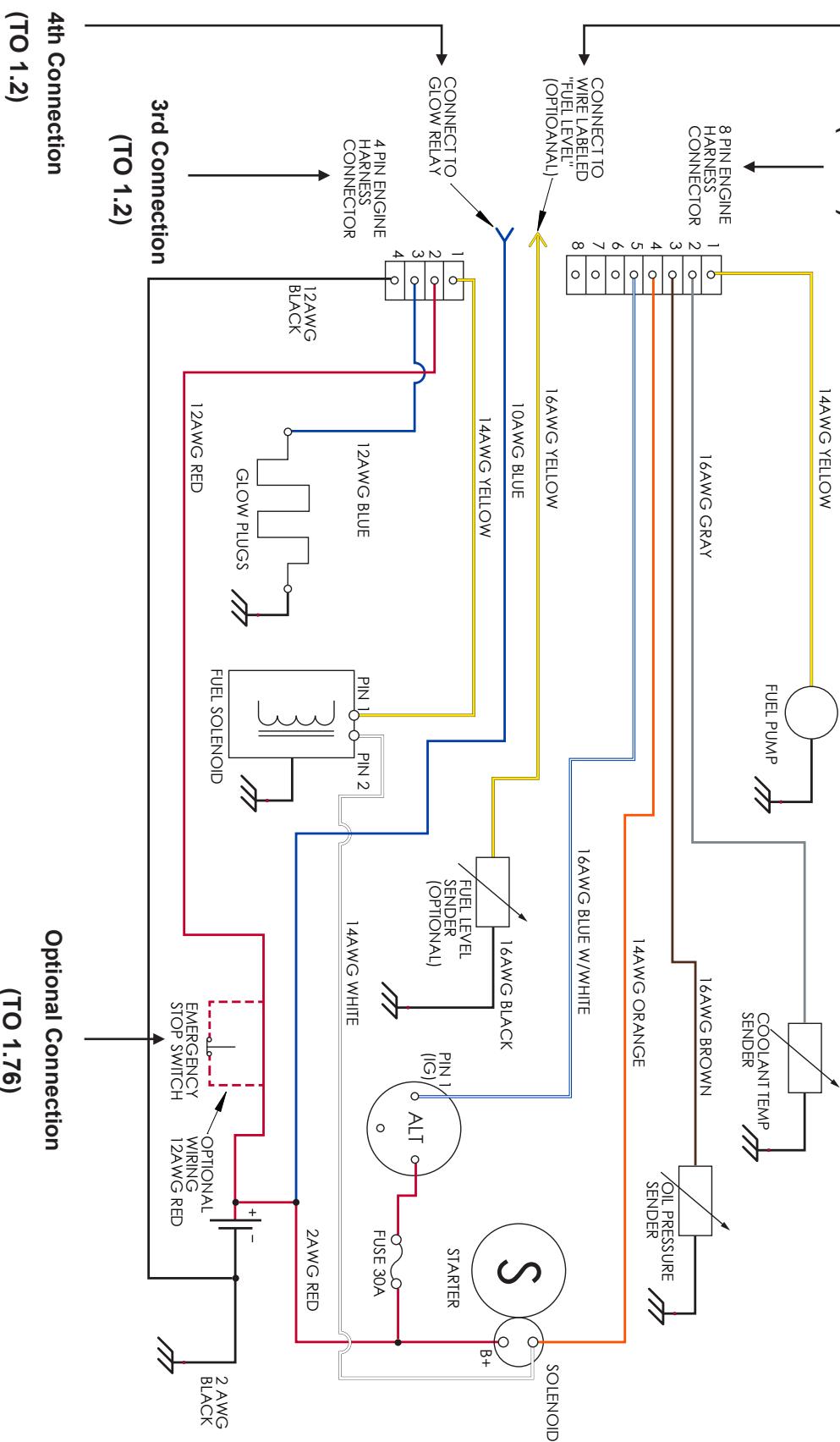
4th Connection
(TO 1.1)

1.14 - Kubota D1005/1105 LSC Schematic

105905_A

2nd Connection
(TO 1.2)

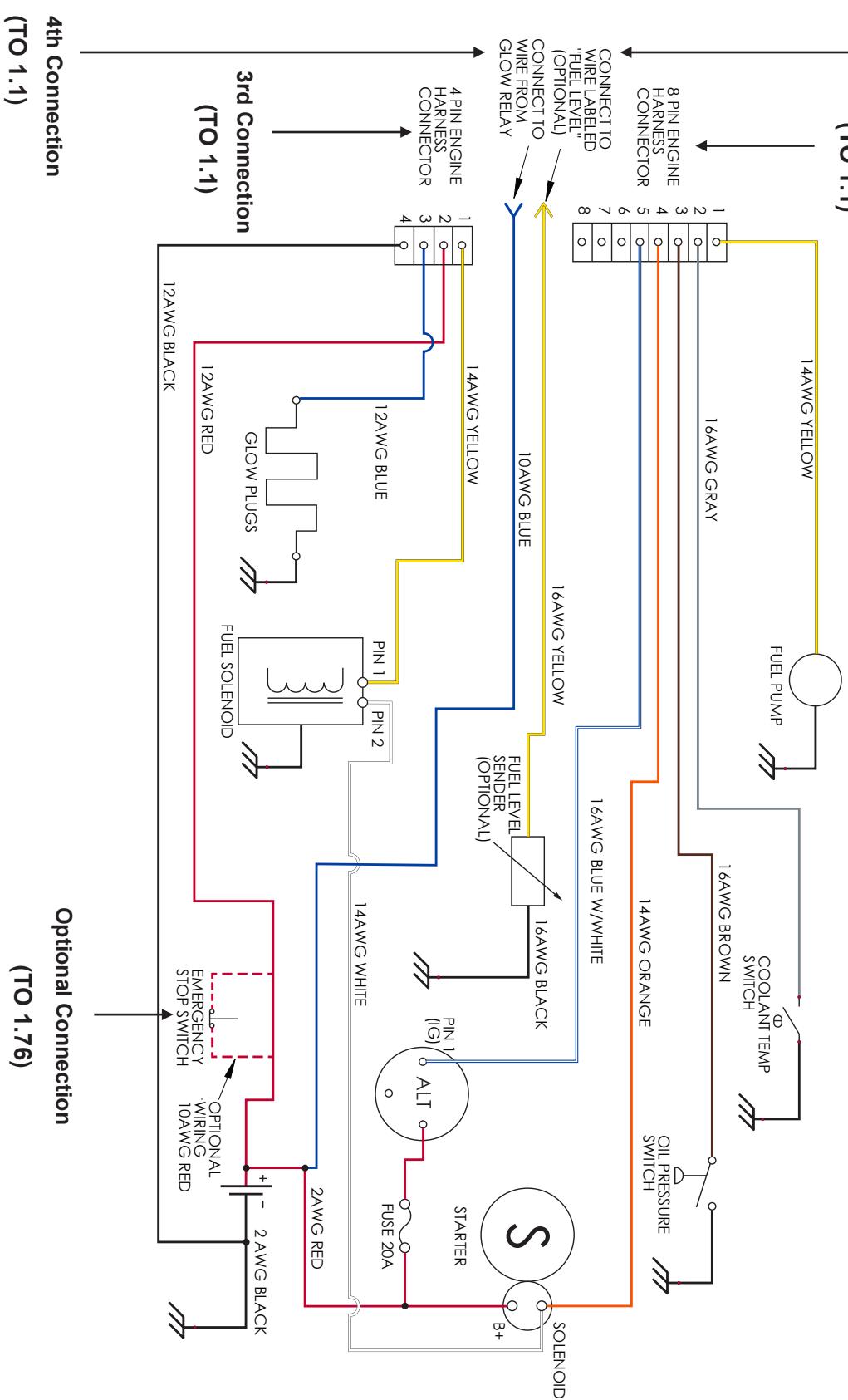
1st Connection
(TO 1.2)



1.15 - Isuzu 4LE1 Schematic

2nd Connection
(TO 1.19)

1st Connection
(TO 1.1)

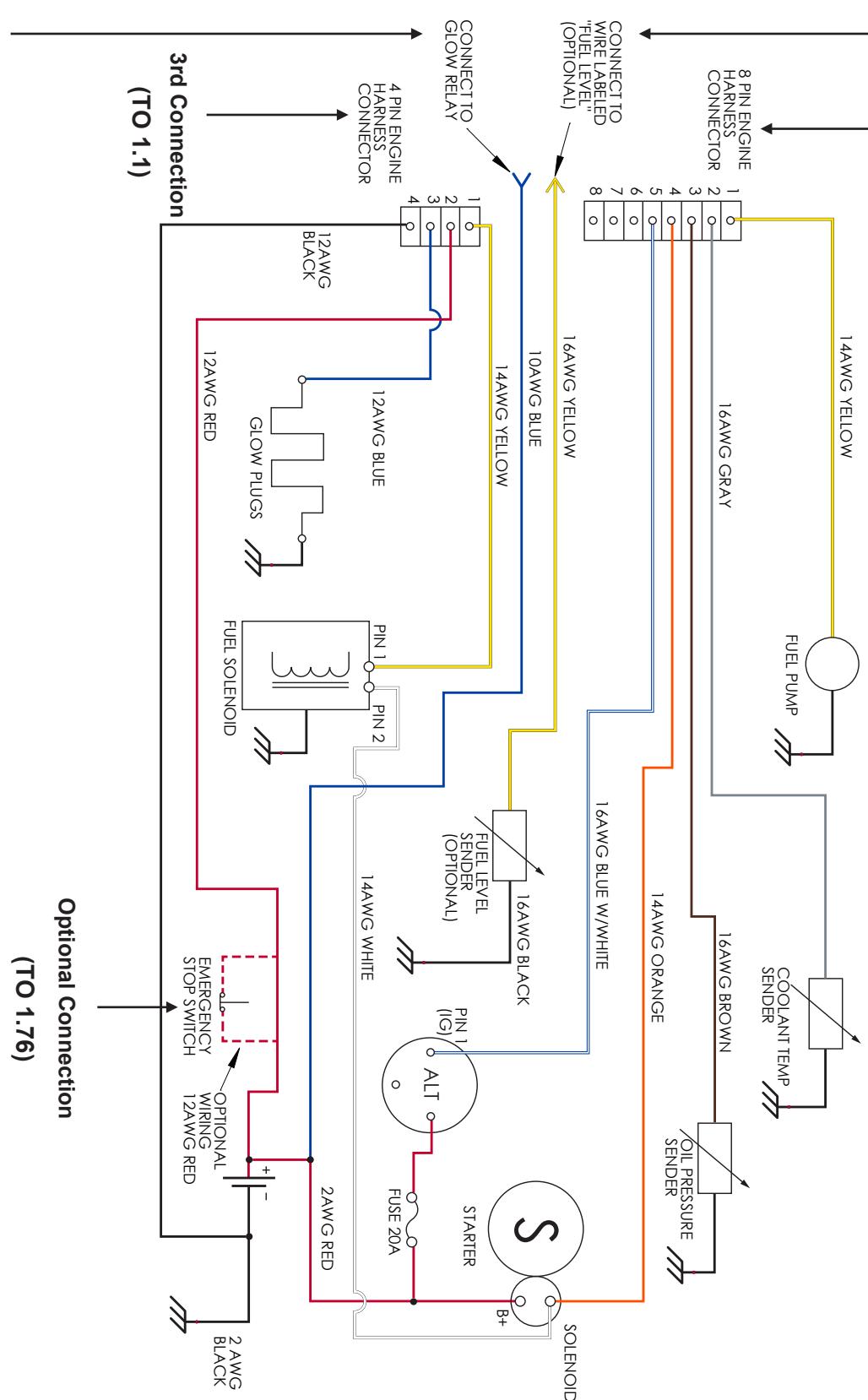


1.16 - Isuzu 4LE1 LSC Schematic

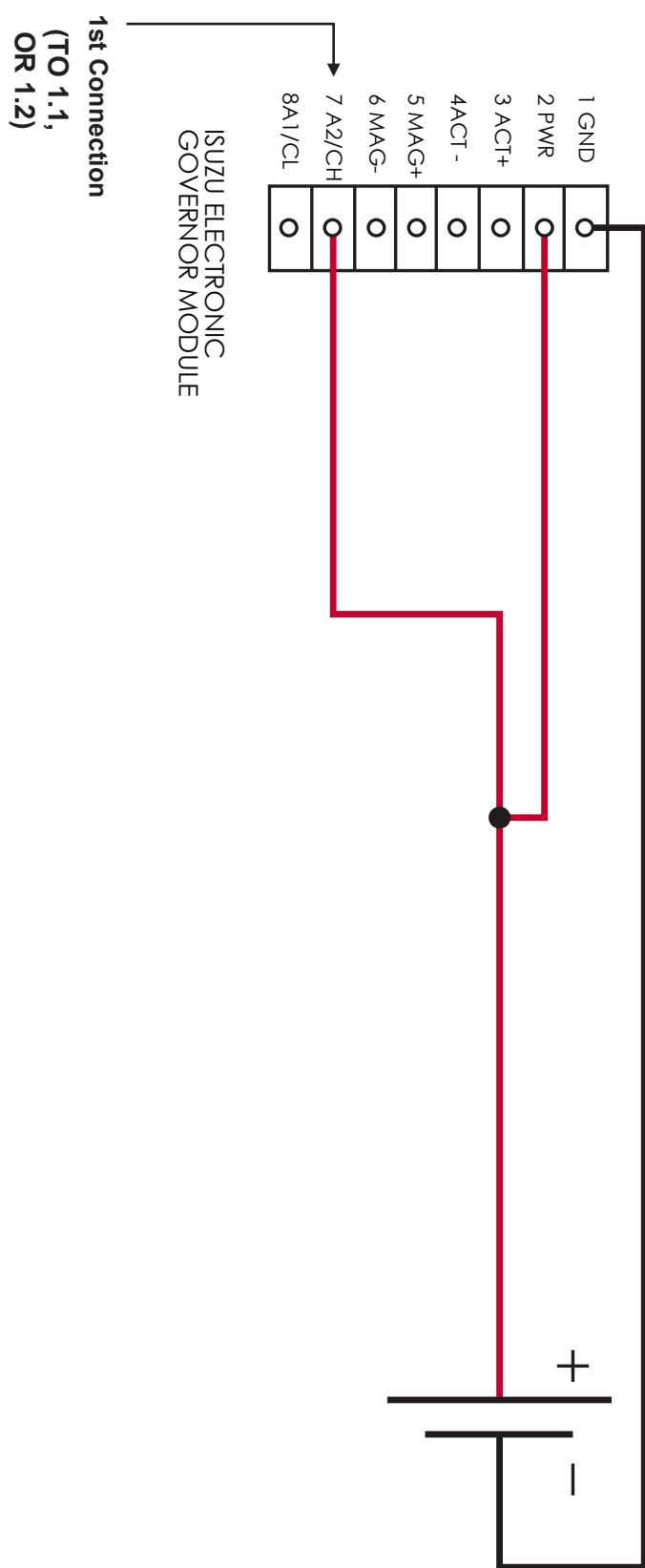
2nd Connection
(TO 1.19)

1st Connection
(TO 1.1)

105906_A



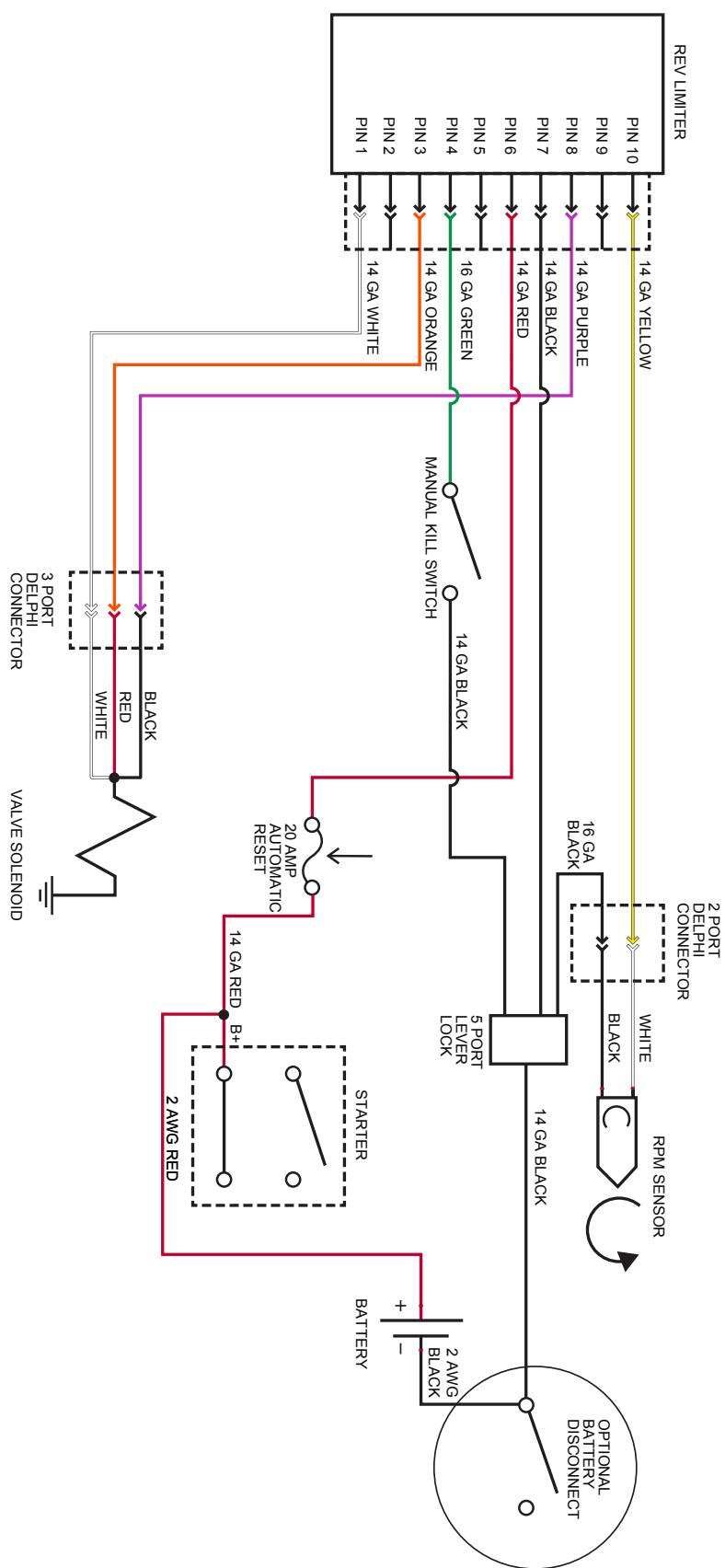
1.17 - Isuzu 4LE1 Governor Schematic



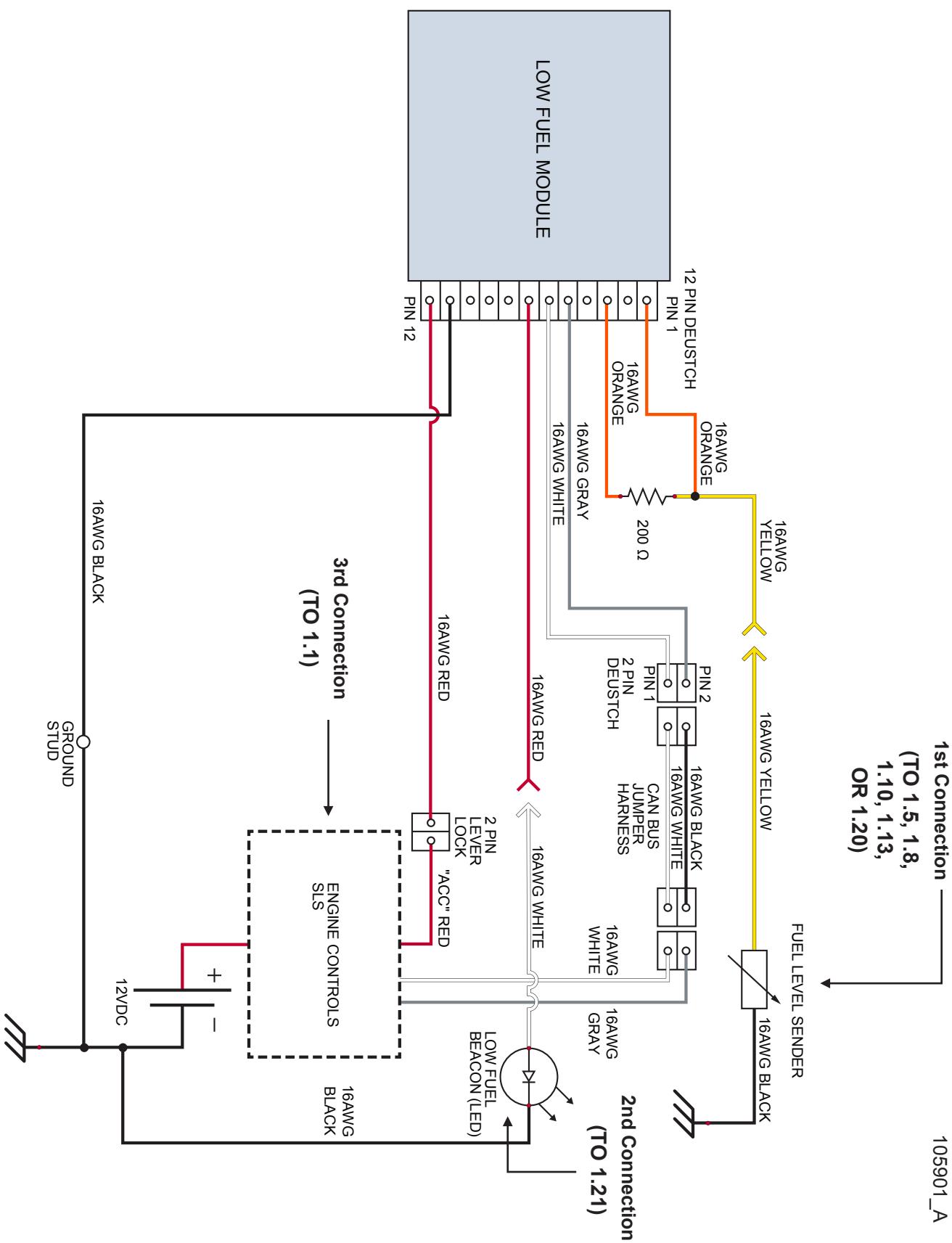
105885_A

1.18 - Shocker Valve Schematic

106156_A



1.19 - Low Fuel Module Schematic



1.20 - Low Fuel Sender Schematic

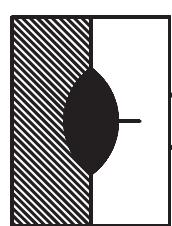
106341_A

1st Connection
(TO 1.2,
OR 1.19)

CENTER LUG
ON SENDER TOP

16 AWG YELLOW

CONNECT TO PURPLE
WIRE WITH FEMALE SPADE
ON LSC HARNESS
(PIN 17 ON LSC PLUG)

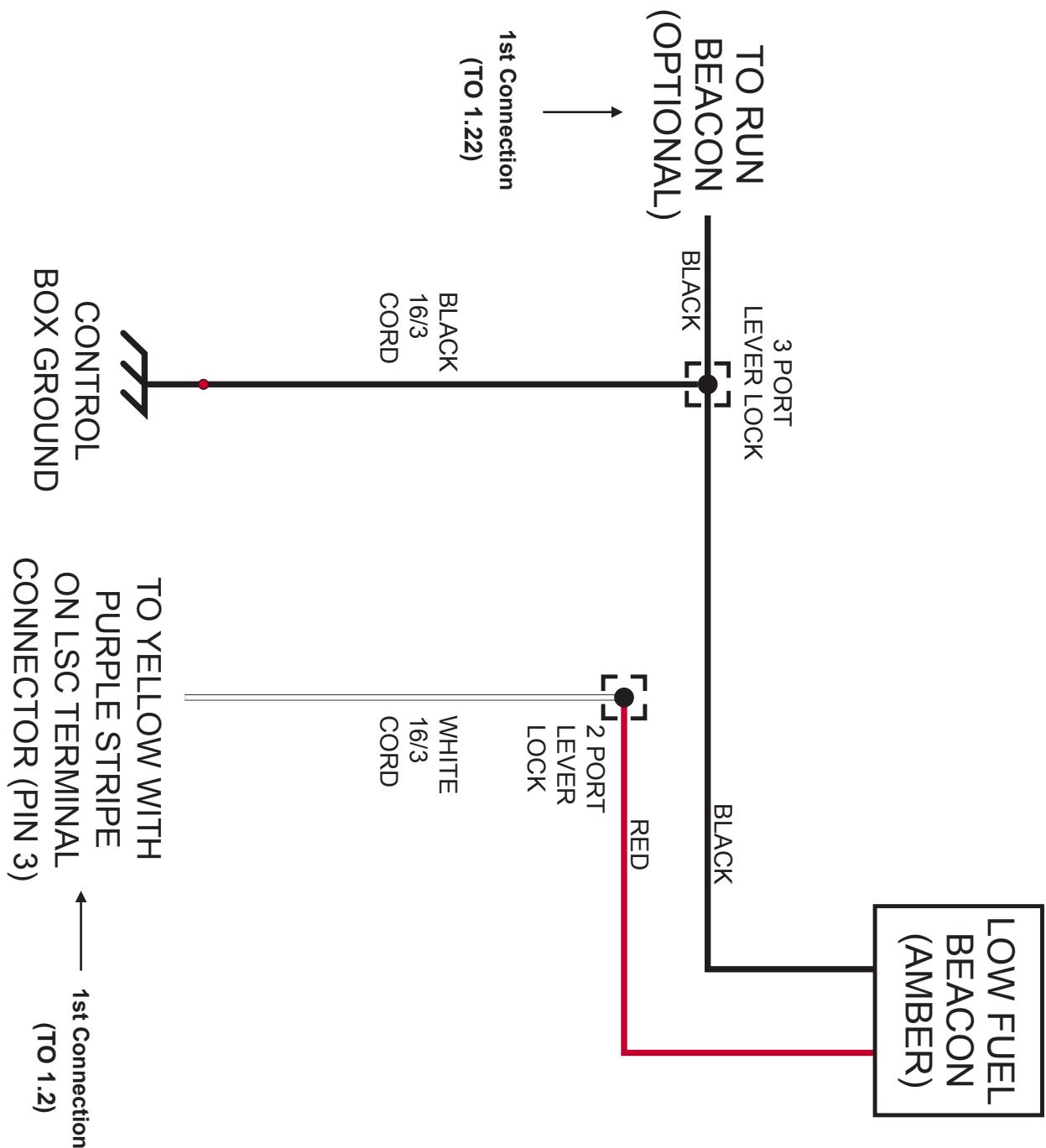


Fuel
Level
Sender

GROUND SCREW
ON SENDER TOP

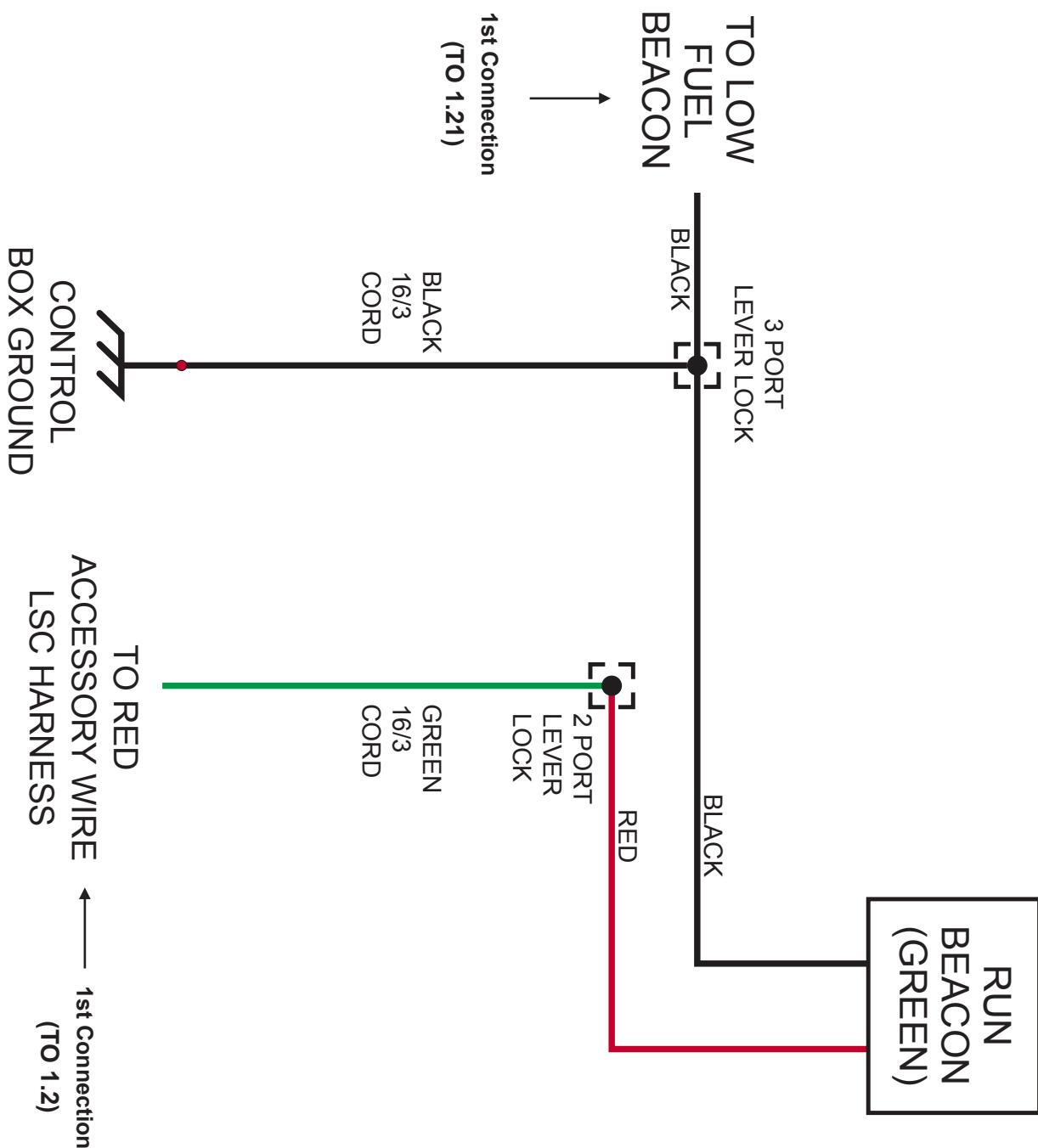
16 AWG BLACK

ENGINE
GROUND

1.21 - Fuel Beacon Run Light Schematic

105887_A

1.22 - Run Beacon Schematic

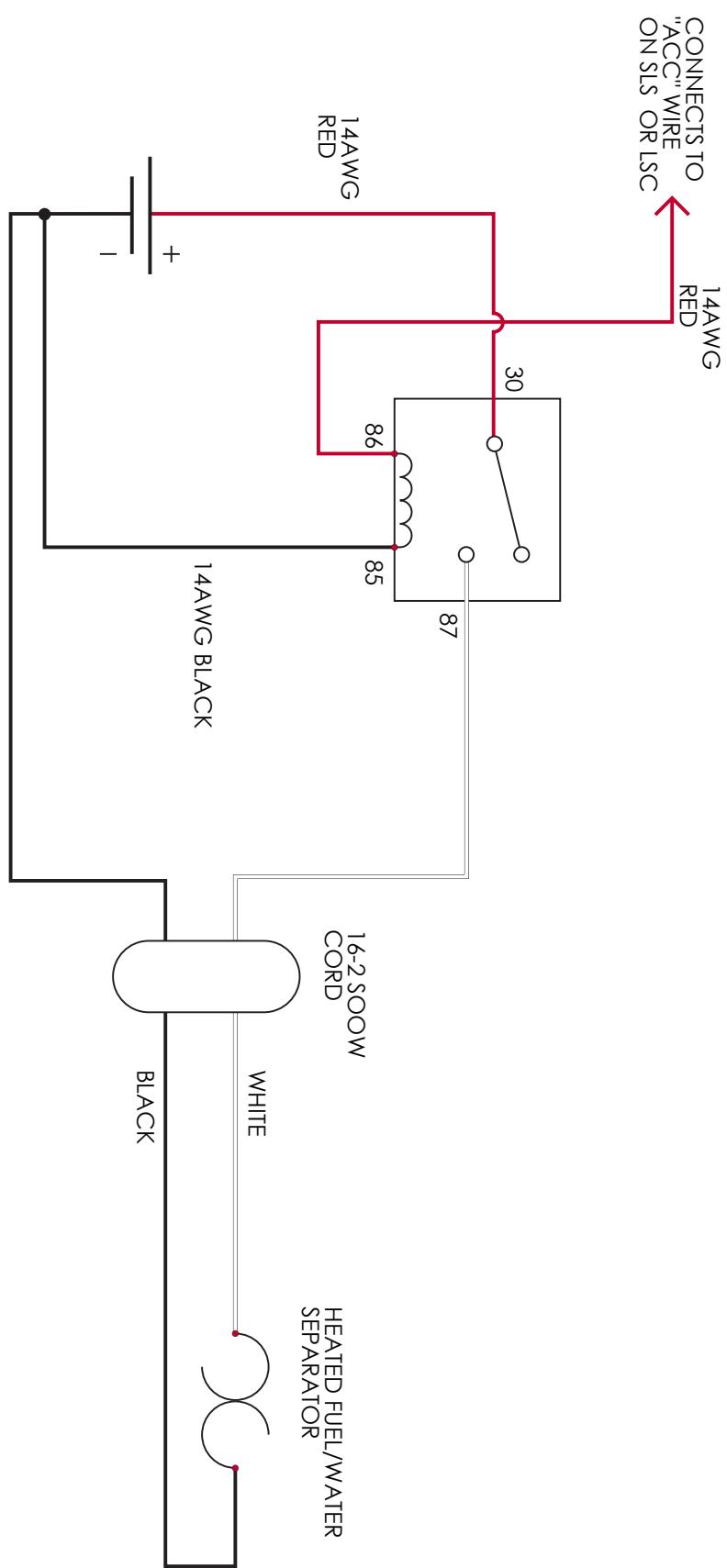


Maxi-Lite II Wire Schematic Manual
©2016 Allmand™ Bros., Inc.

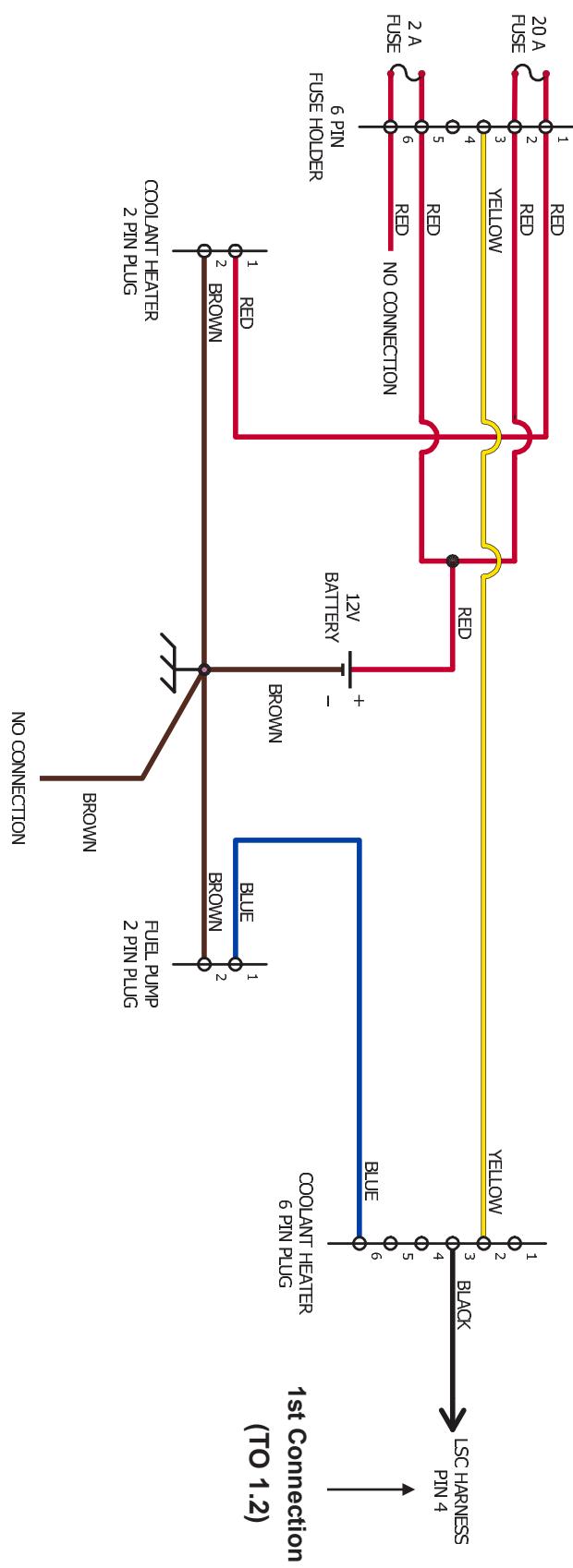
1.23 - Heated Fuel/Water Separator Schematic

1st Connection
(TO 1.1,
OR 1.2)

105886_A



1.24 - Diesel Fired Block Heater Schematic

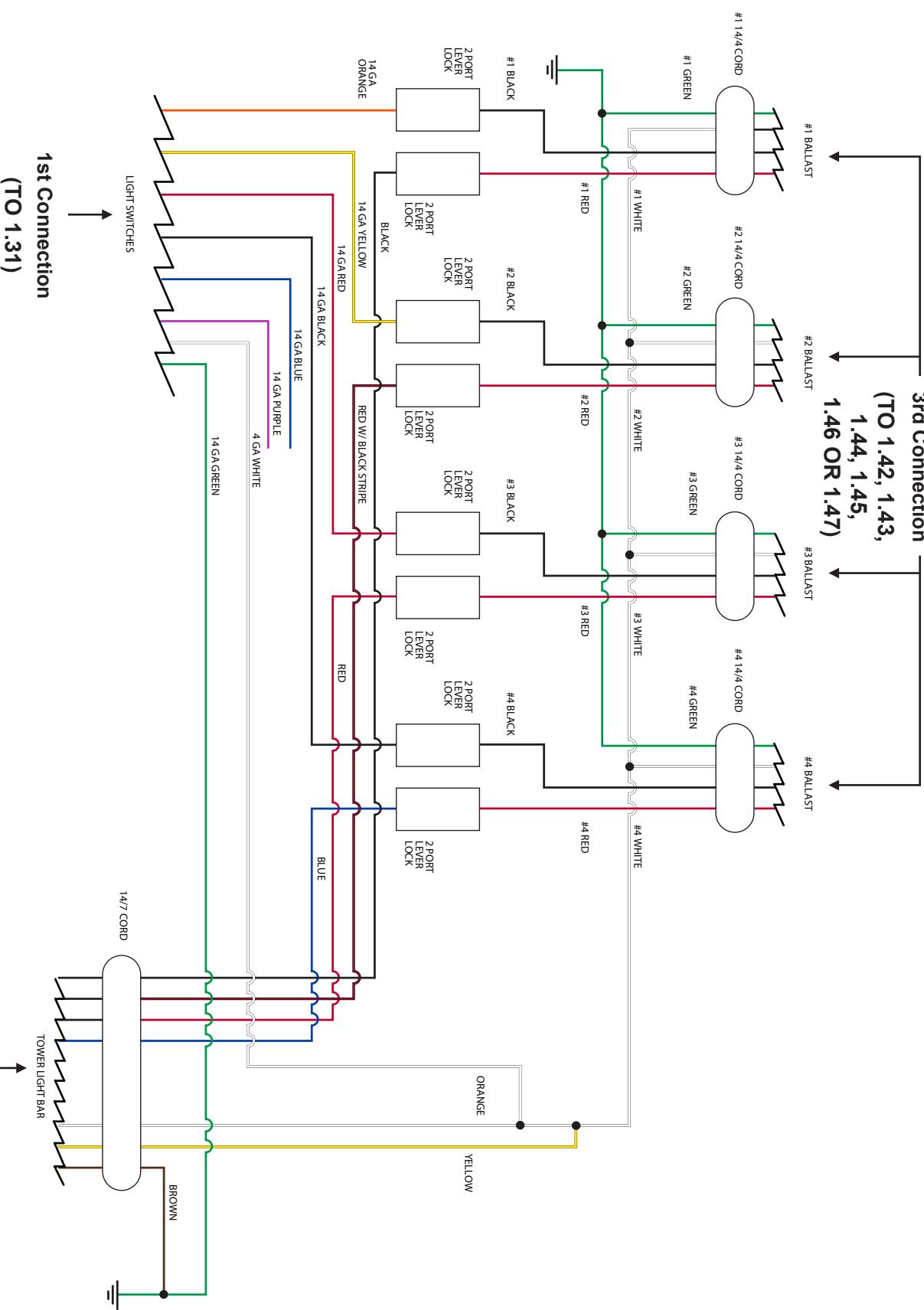


I2C HARNESS
PIN 4

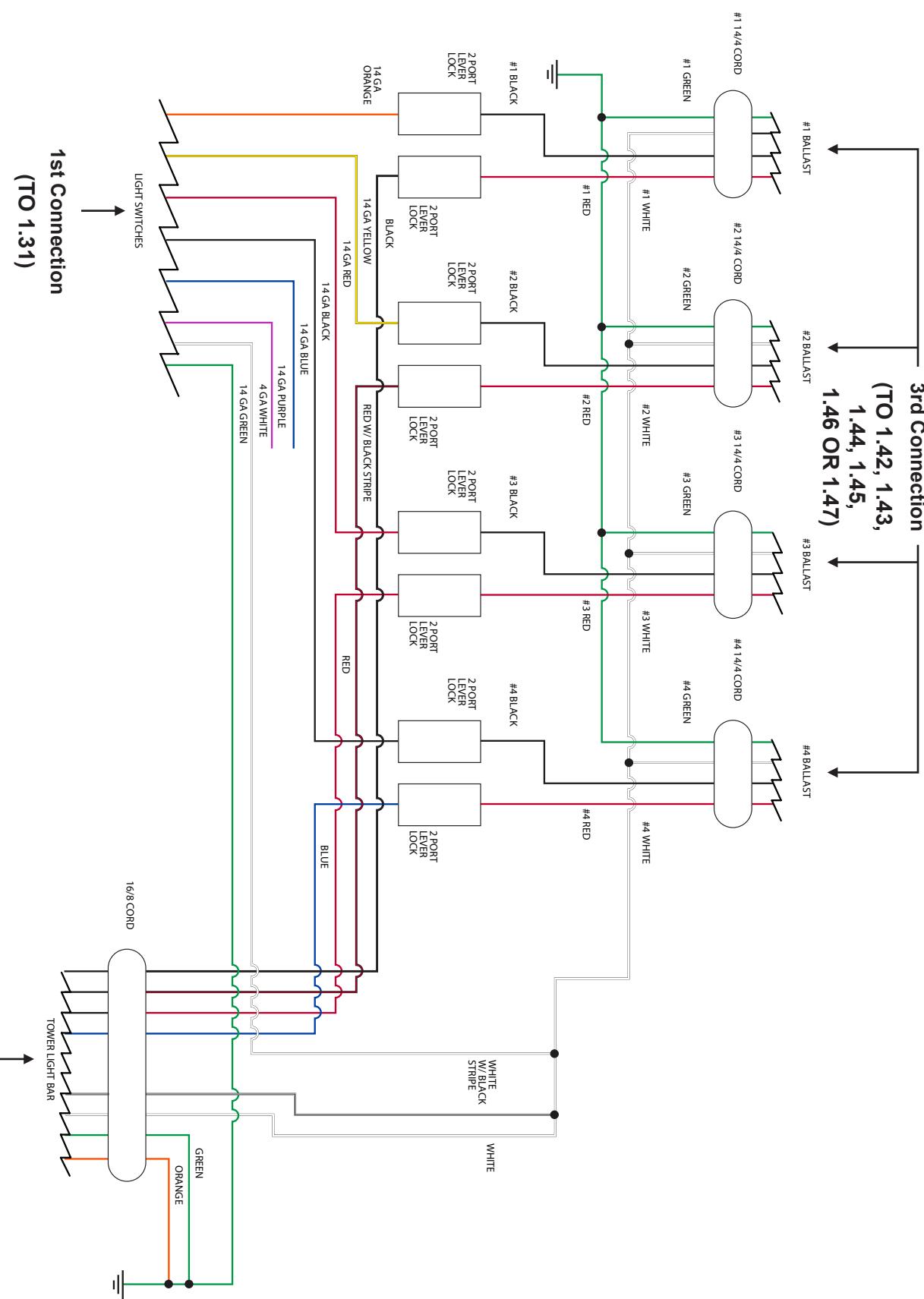
1st Connection
(TO 1.2)

1.25 - 4 Light 14/7 Cord Junction Box Schematic

105283_A



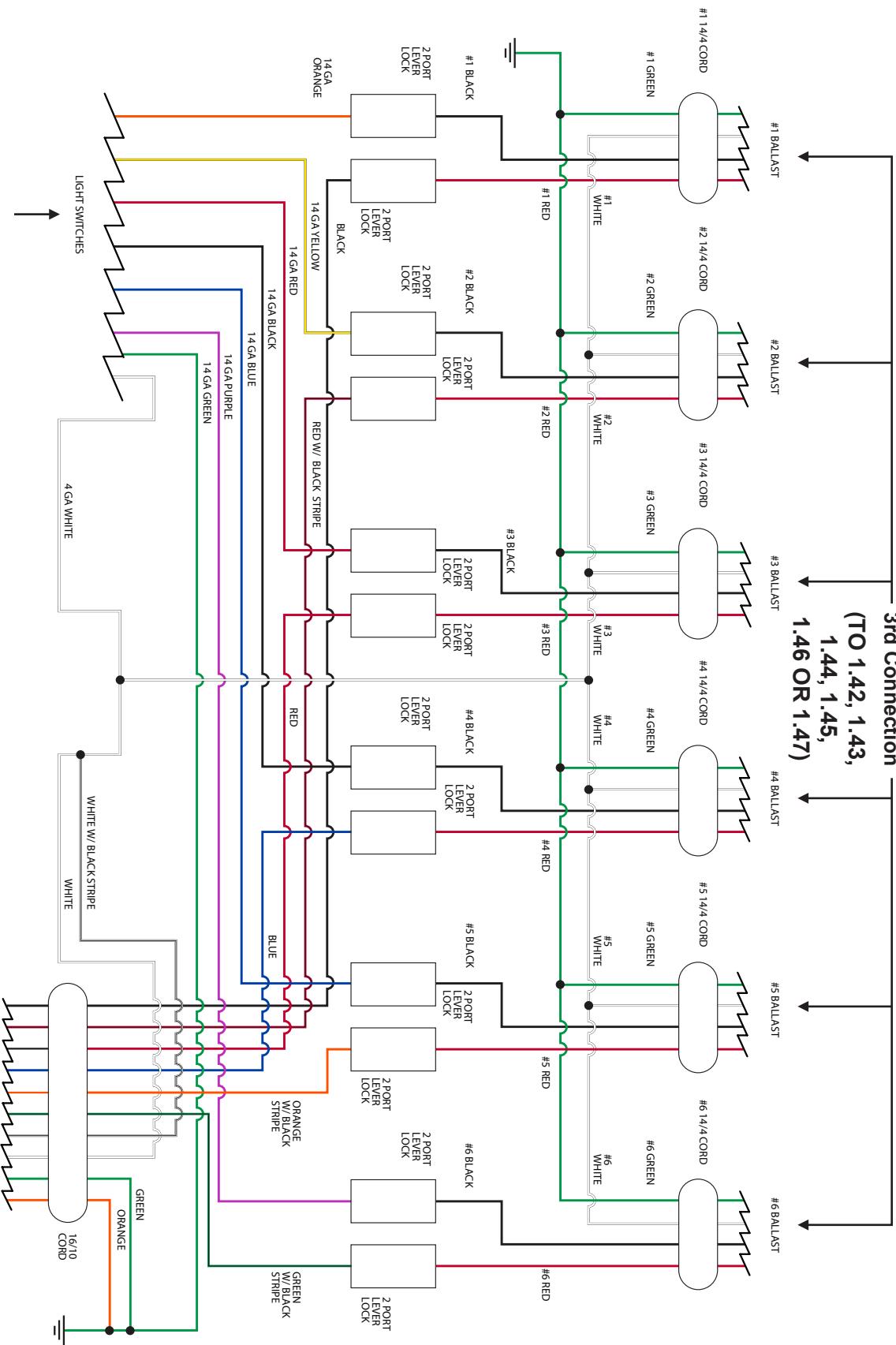
1.26 - 4 Light 16/8 Cord Junction Box Schematic



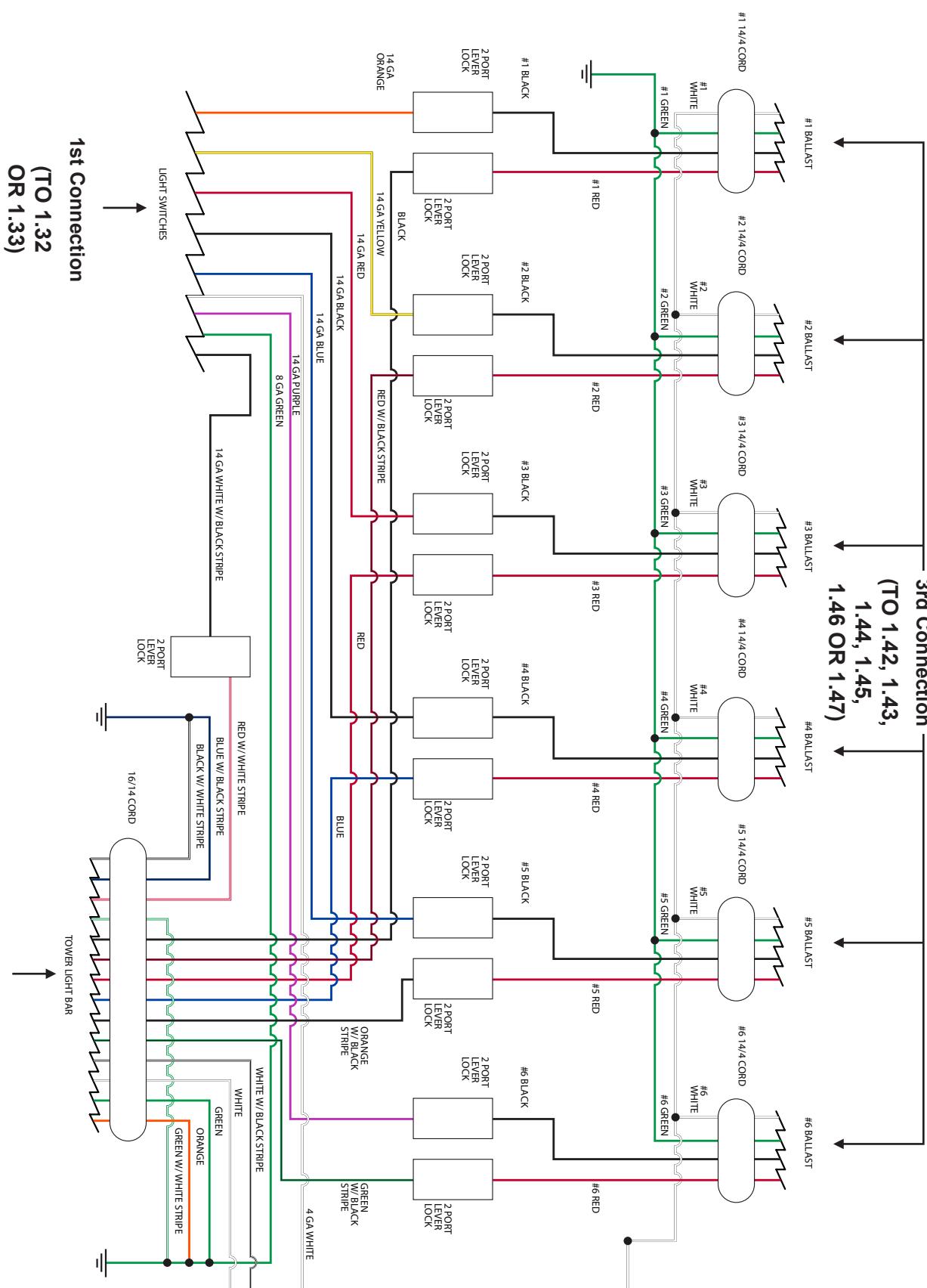
1.27 - 6 Light 16/10 Cord Junction Box Schematic

1st Connection
(TO 1.32
OR 1.33)

2nd Connection
(TO 1.36)

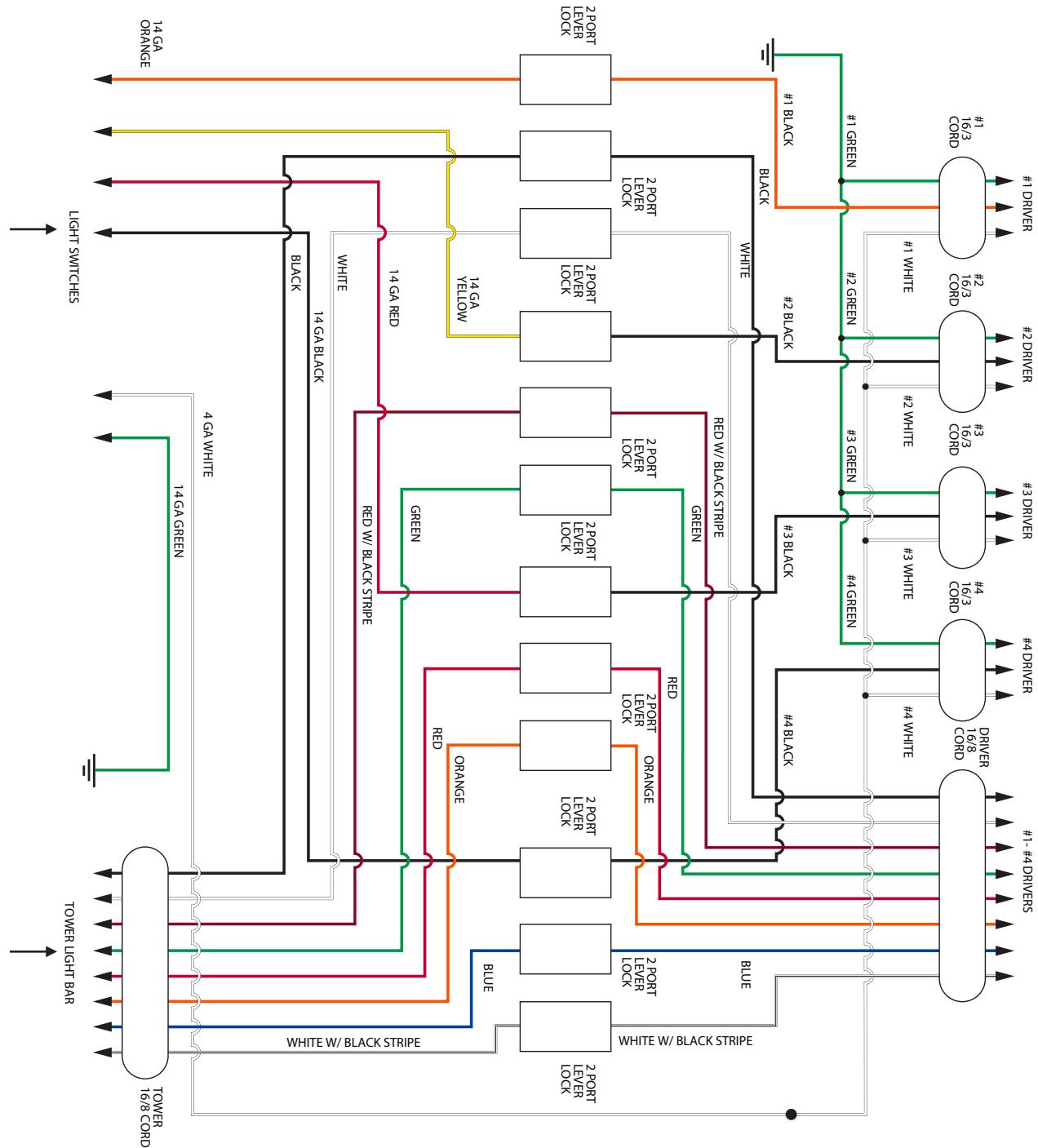


1.28 - 6 Light 16/14 Cord w/Aux Light Junction Box Schematic



1.29 - 4 LED Light Junction Box Schematic

**1st Connection
(TO 1.31)**

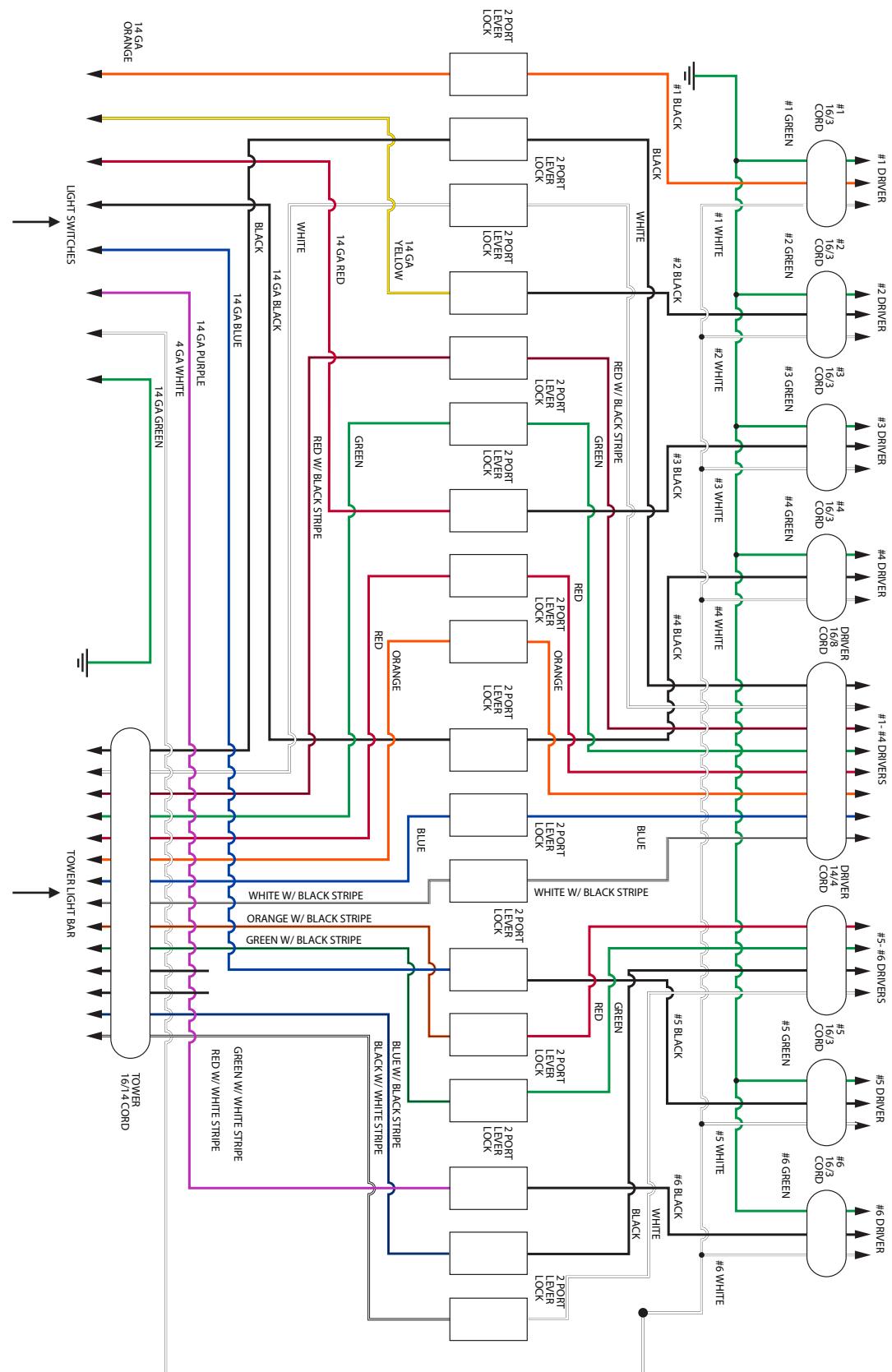


1.30 - 6 LED Light Junction Box Schematic

105635_A

1st Connection

(TO 1.32
OR 1.33)



2nd Connection

(TO 1.40
OR 1.41)

1.31 - 4 Light 2 Relay Schematic

105892_A

2nd Connection
TO 1.25, 1.26,
OR 1.29)

FROM / TO
SLS MODULE
(+12V DC)
16 AWG

GRAY
10 AWG

RED
SPST 15A
SWITCH #3
LIGHT BALLAST

1st Connection
(TO 1.1,
OR 1.2)

LIGHT
RELAY
NO
COM

SPST 15A
SWITCH #1
RED

DISTRIBUTION
BLOCK #1

FROM / TO
(TO 1.48, 1.49,
1.50, 1.51, 1.53,
1.54, 1.56, 1.57,
1.58, 1.59, OR
1.67)

BLACK
16 AWG

BLACK
10 AWG

DISTRIBUTION
BLOCK #2

FROM / TO
LIGHT BALLAST

RED
10 AWG

BLACK
10 AWG

BLACK
10 AWG

FROM / TO
BROWN / ORANGE
16 AWG

NO
COM

SPST 15A
SWITCH #2
YELLOW

FROM / TO
LIGHT BALLAST

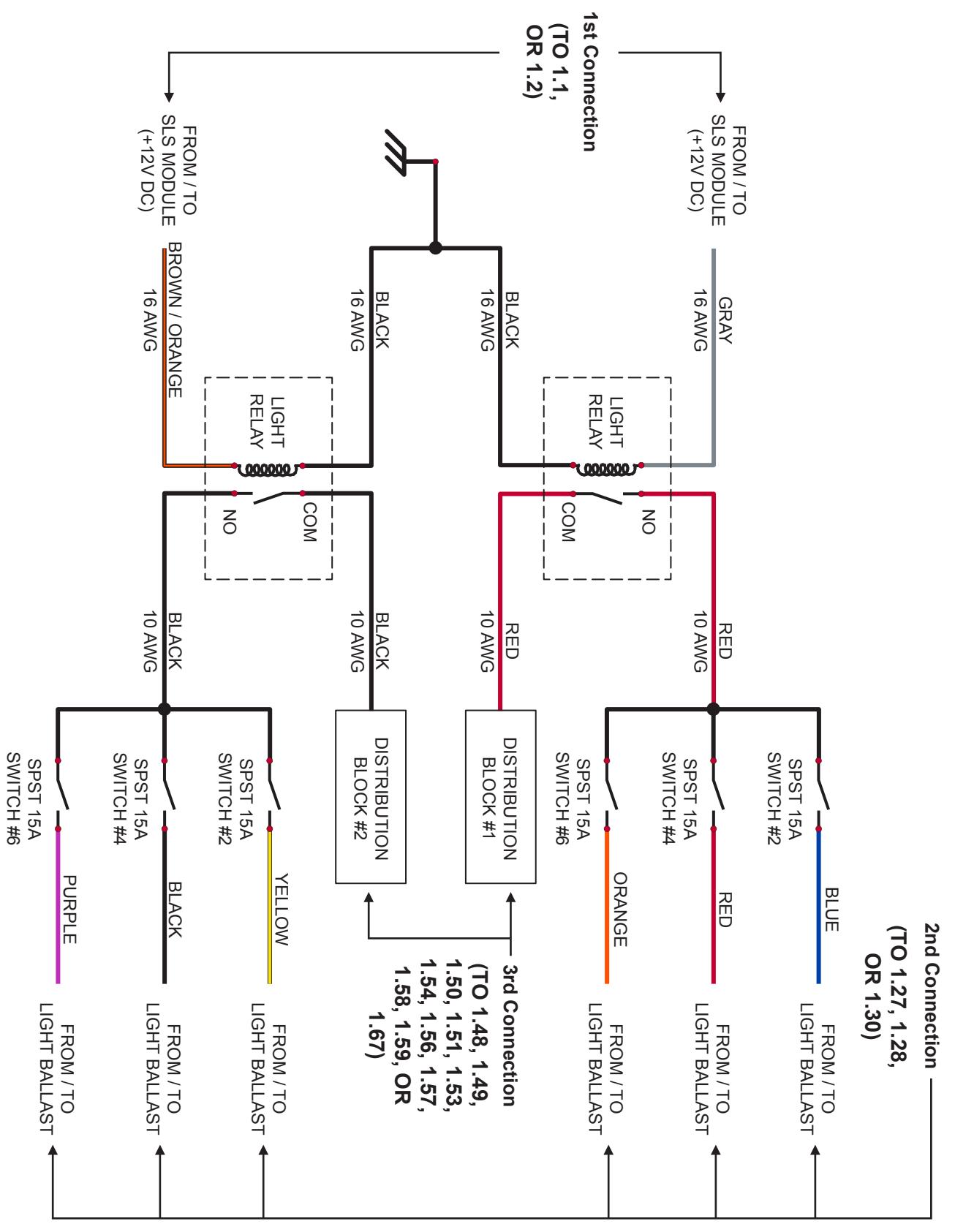
BLACK
10 AWG

BLACK
10 AWG

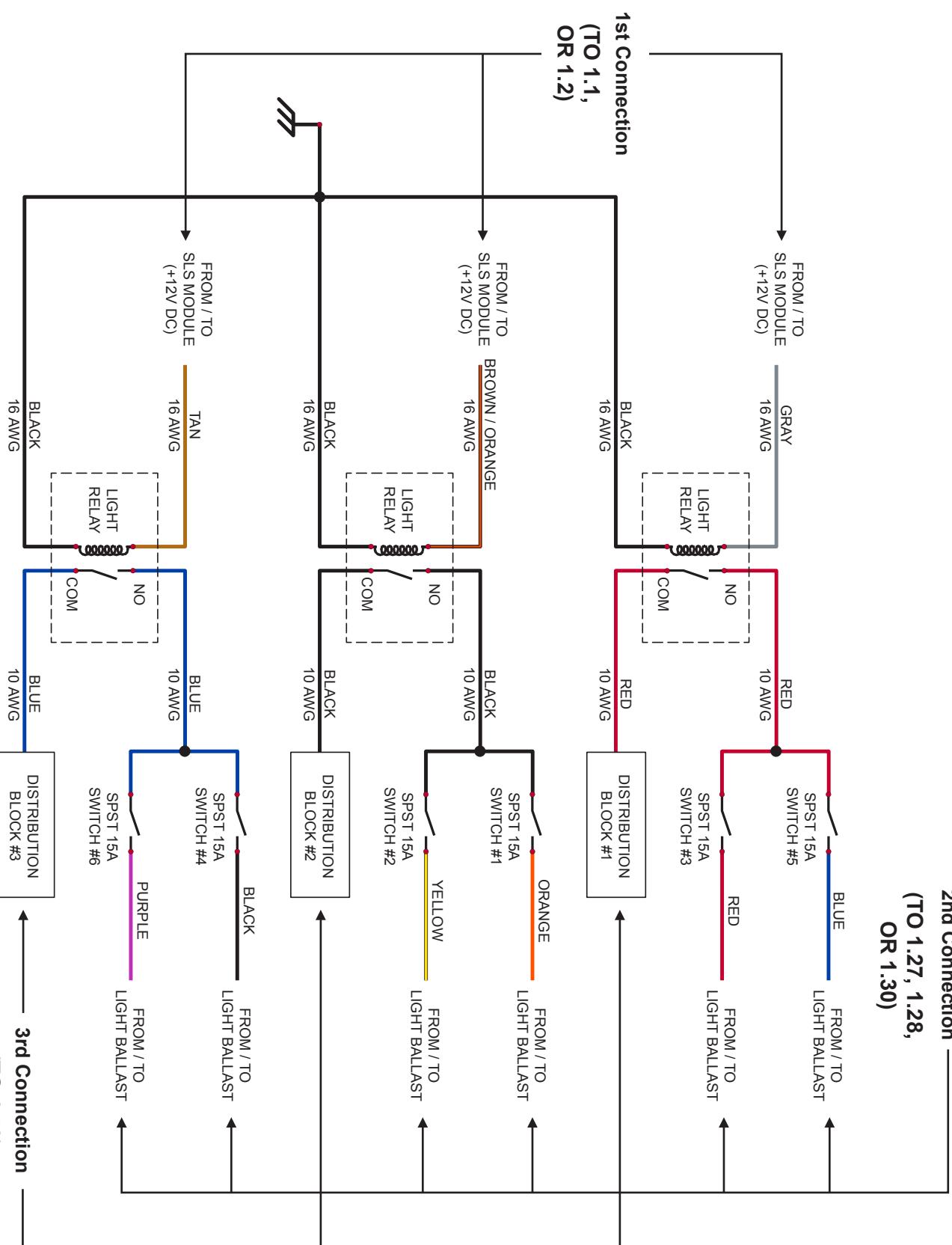
SPST 15A
SWITCH #4
BLACK

FROM / TO
LIGHT BALLAST

1.32 - 6 Light 2 Relay Schematic



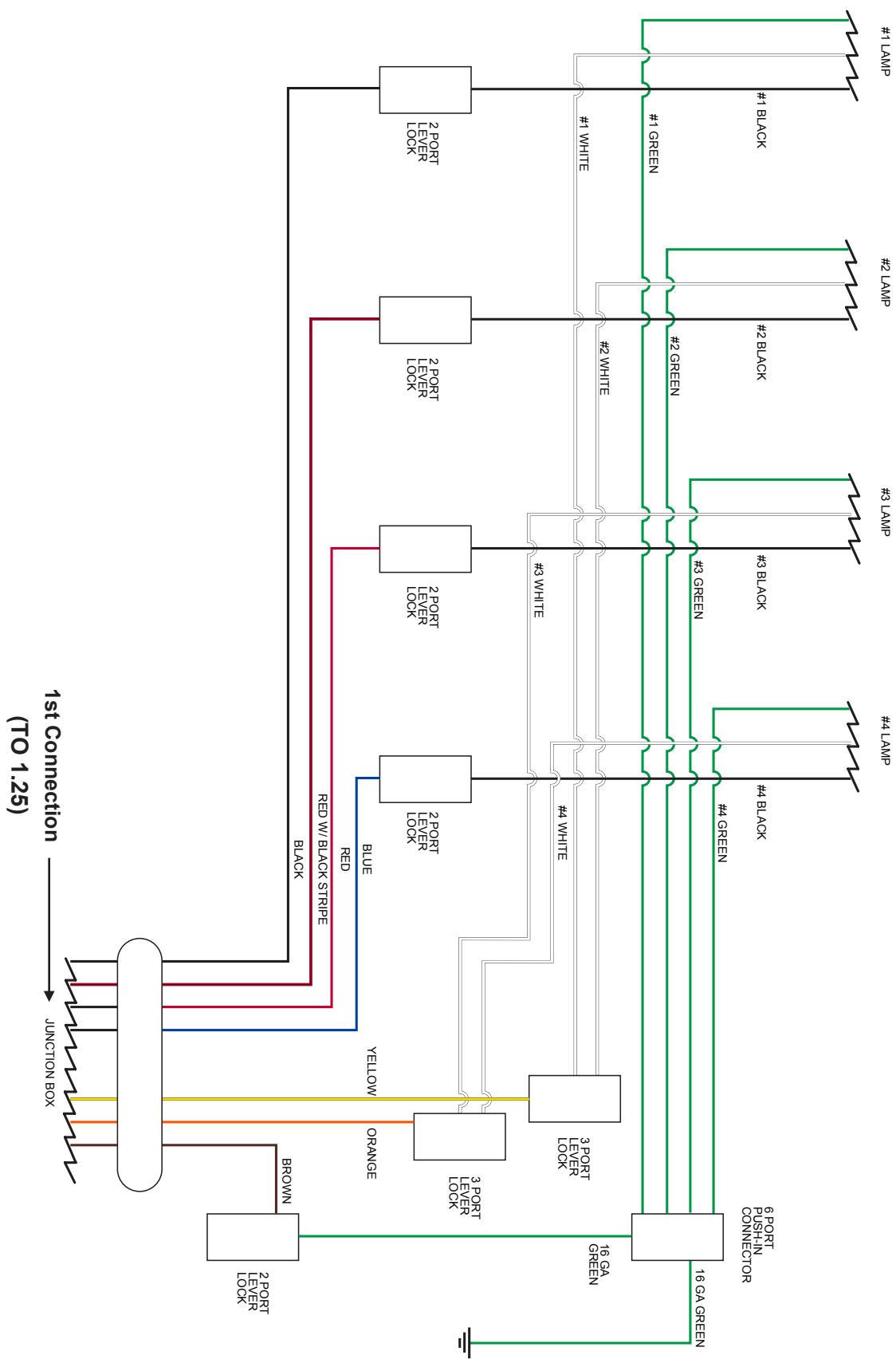
1.33 - 6 Light 3 Relay Schematic



105891_A

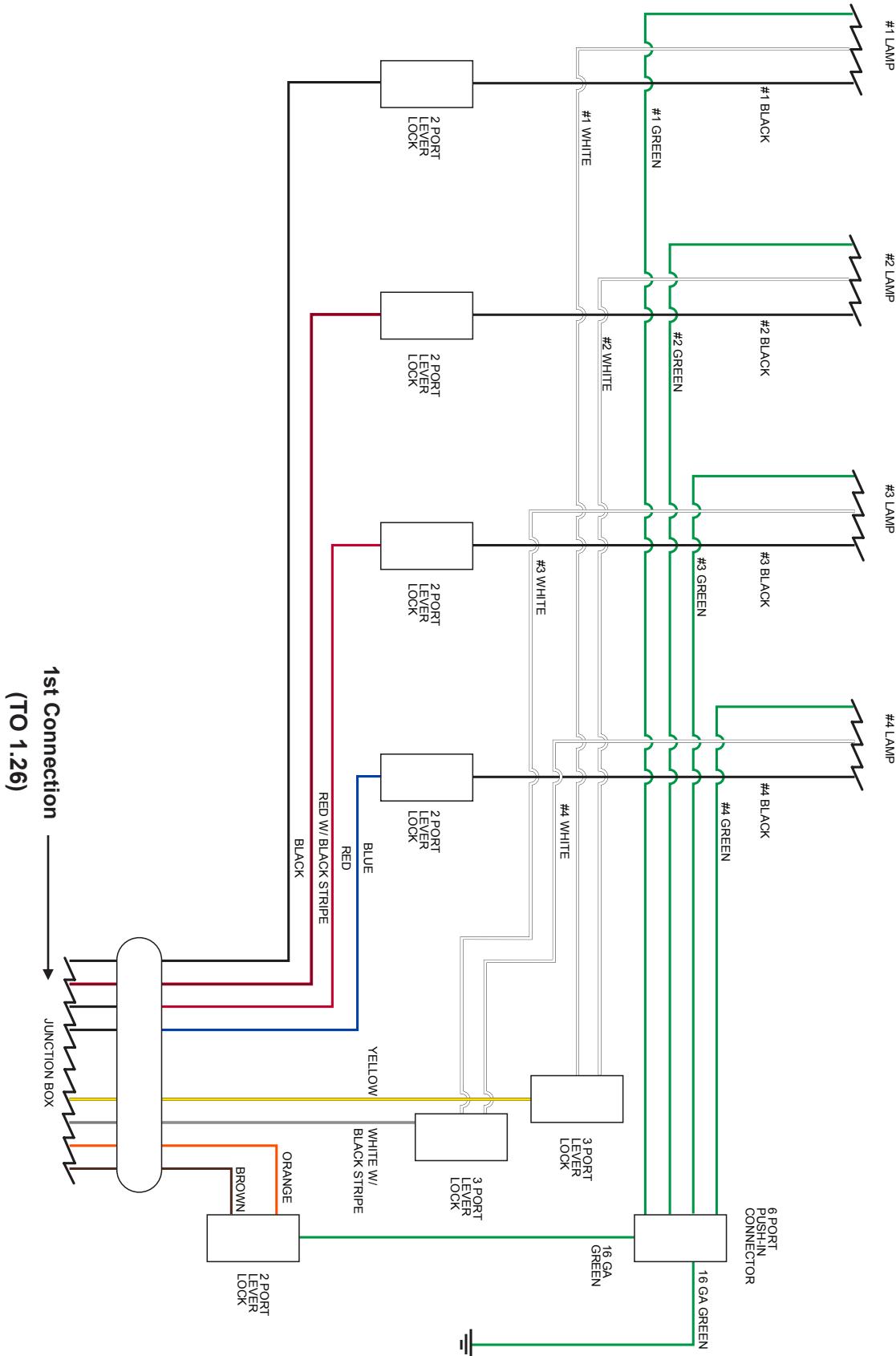
1.34 - 4 Light 14/7 Cord Schematic

105291_A

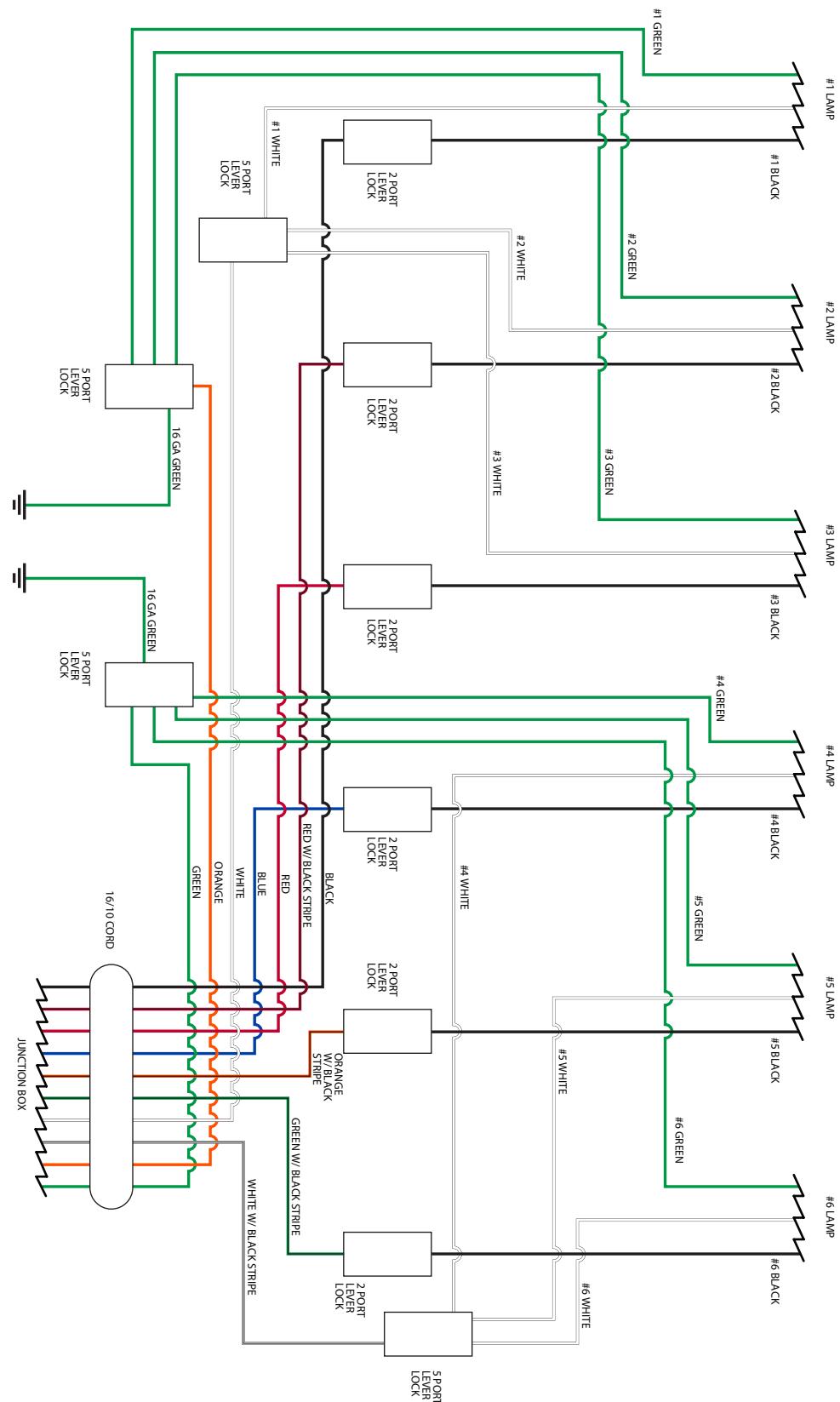


1.35 - 4 Light 16/8 Cord Schematic

105292_A



1.36 - 6 Light 16/10 Cord Schematic

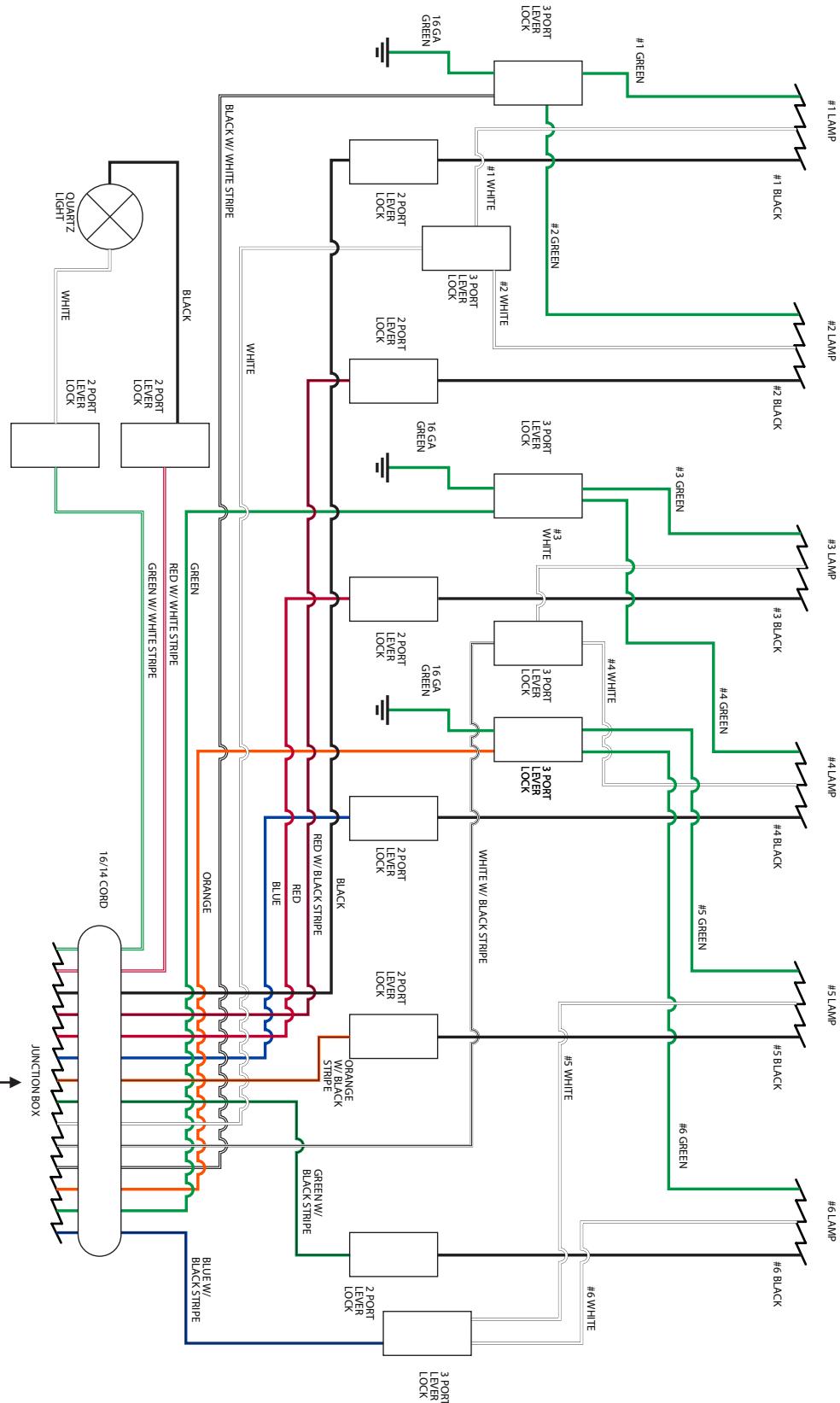


1st Connection
(TO 1.27)

1.37 - 6 Light 16/14 Cord Schematic

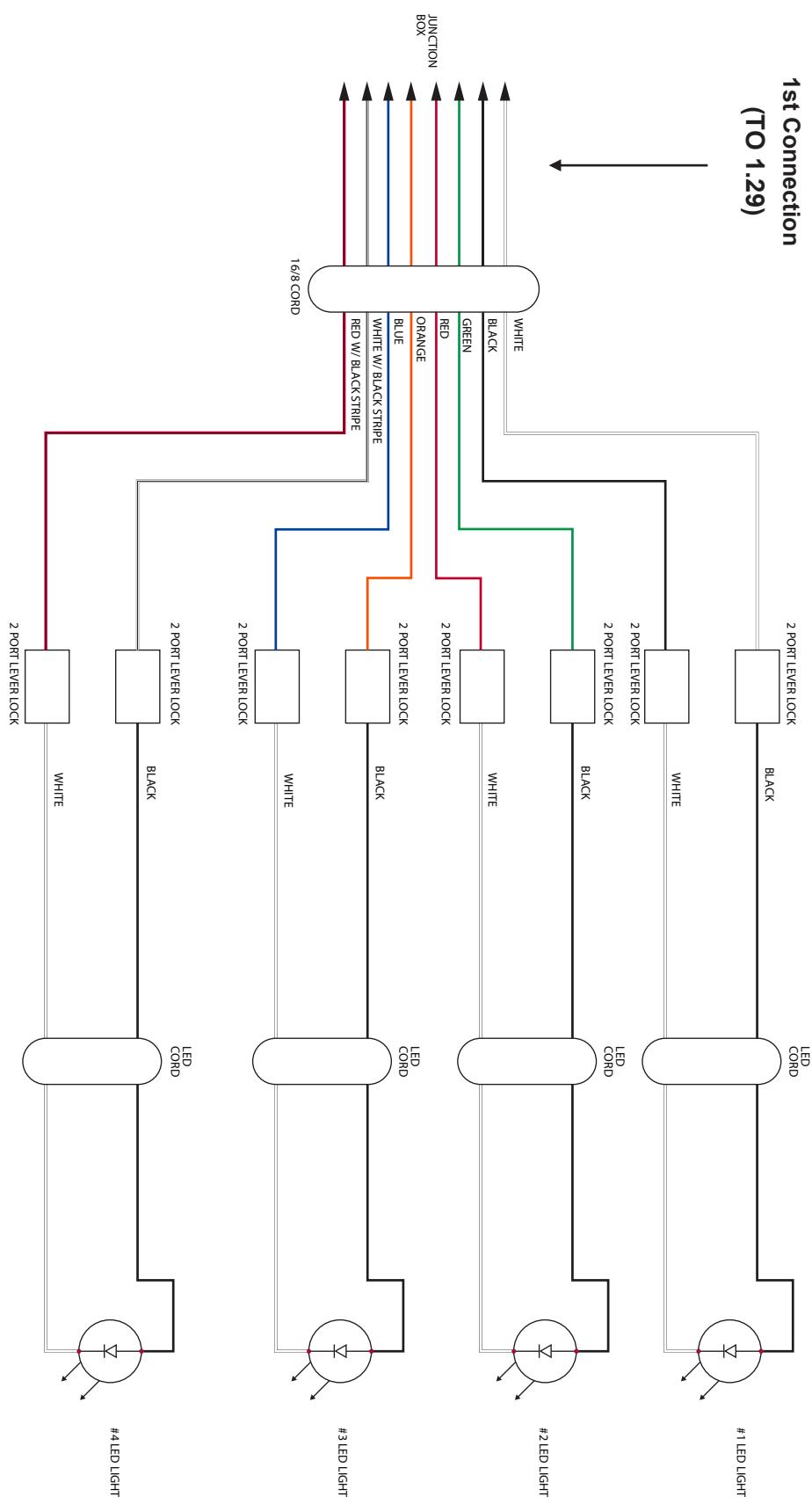
105320_A

1st Connection
(TO 1.28)



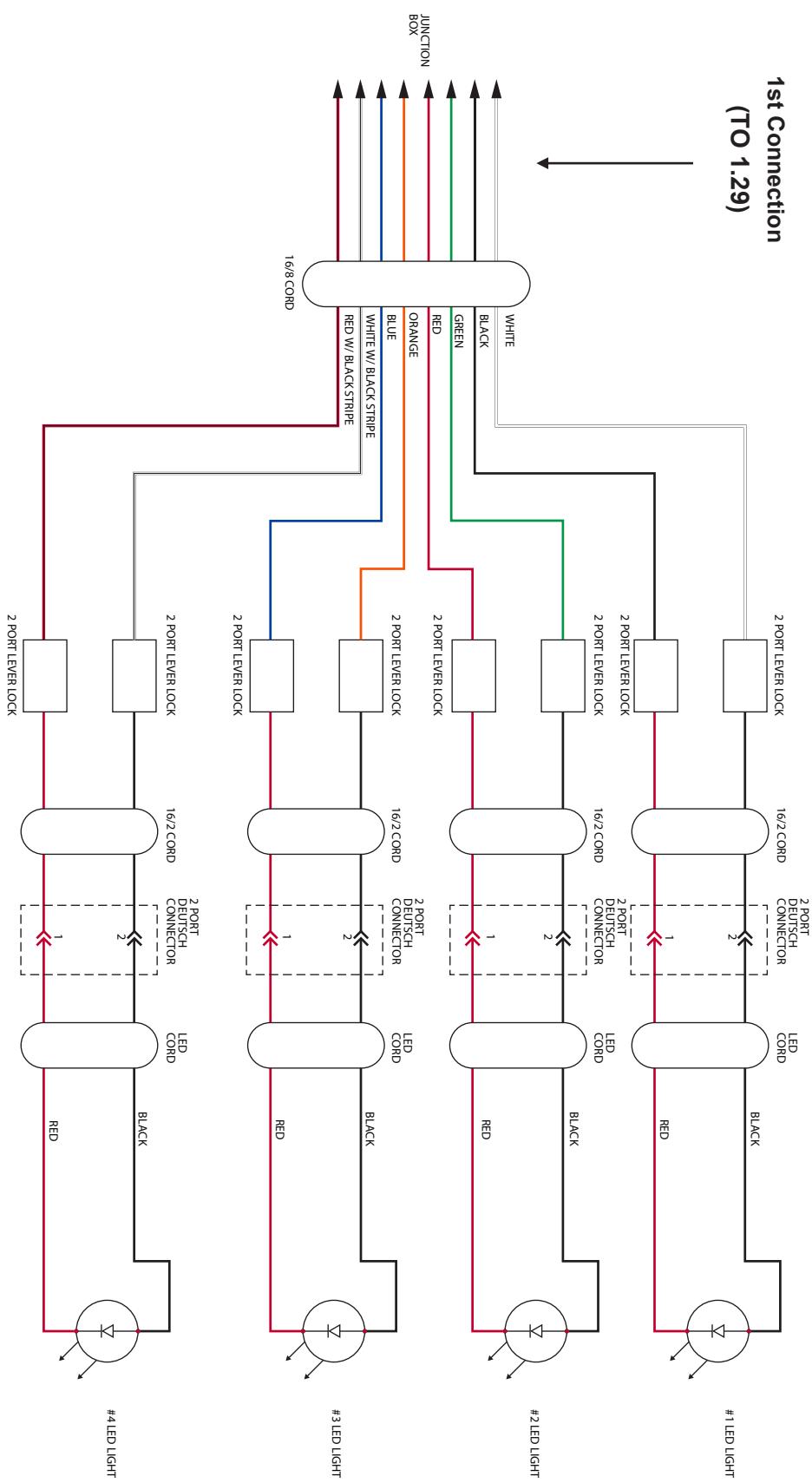
1.38 - 4 Light LED Schematic

105713_A



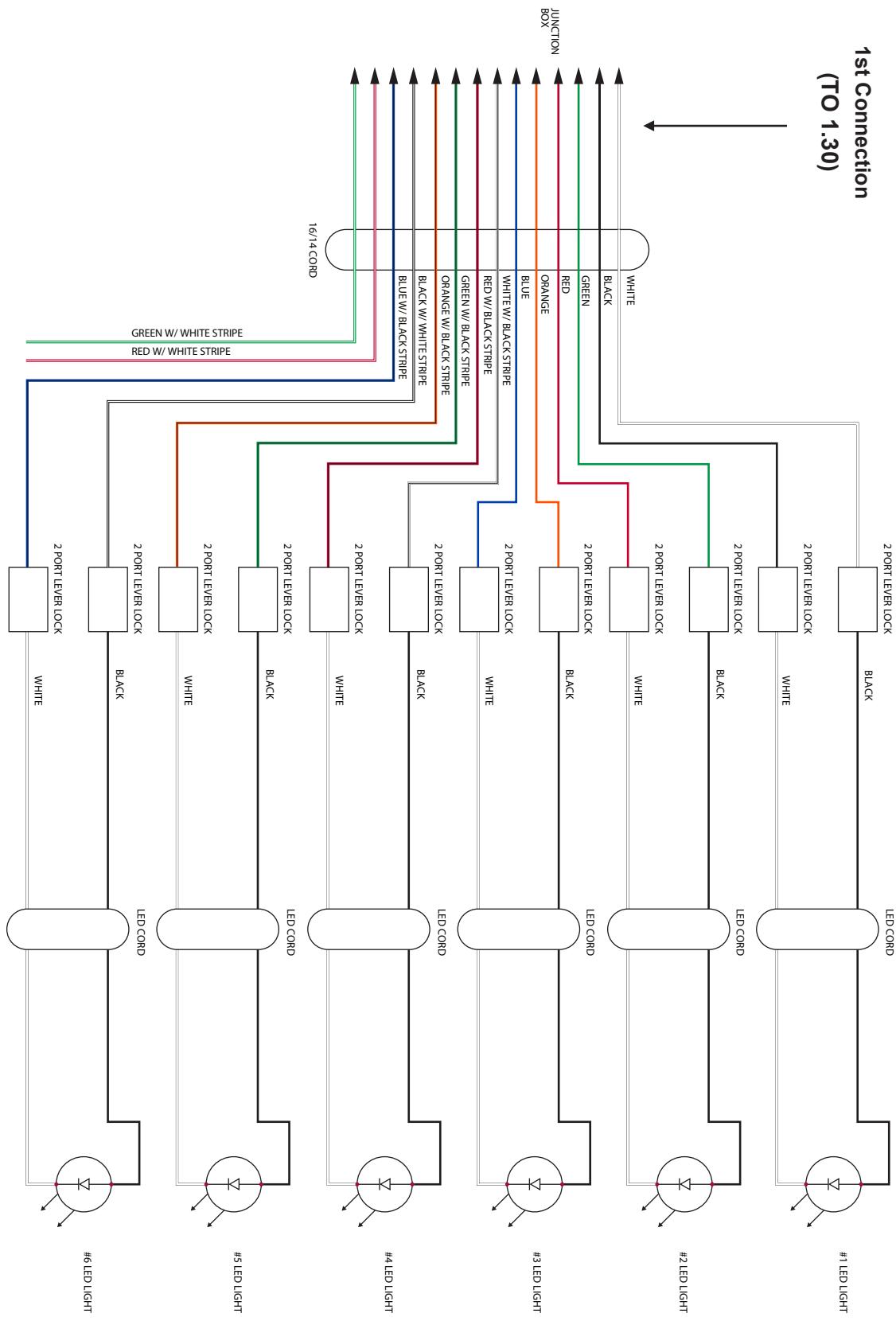
1.39 - 4 Light LED Disconnect Schematic

106157_A



1.40 - 6 Light LED Schematic

1st Connection (TO 1.30)

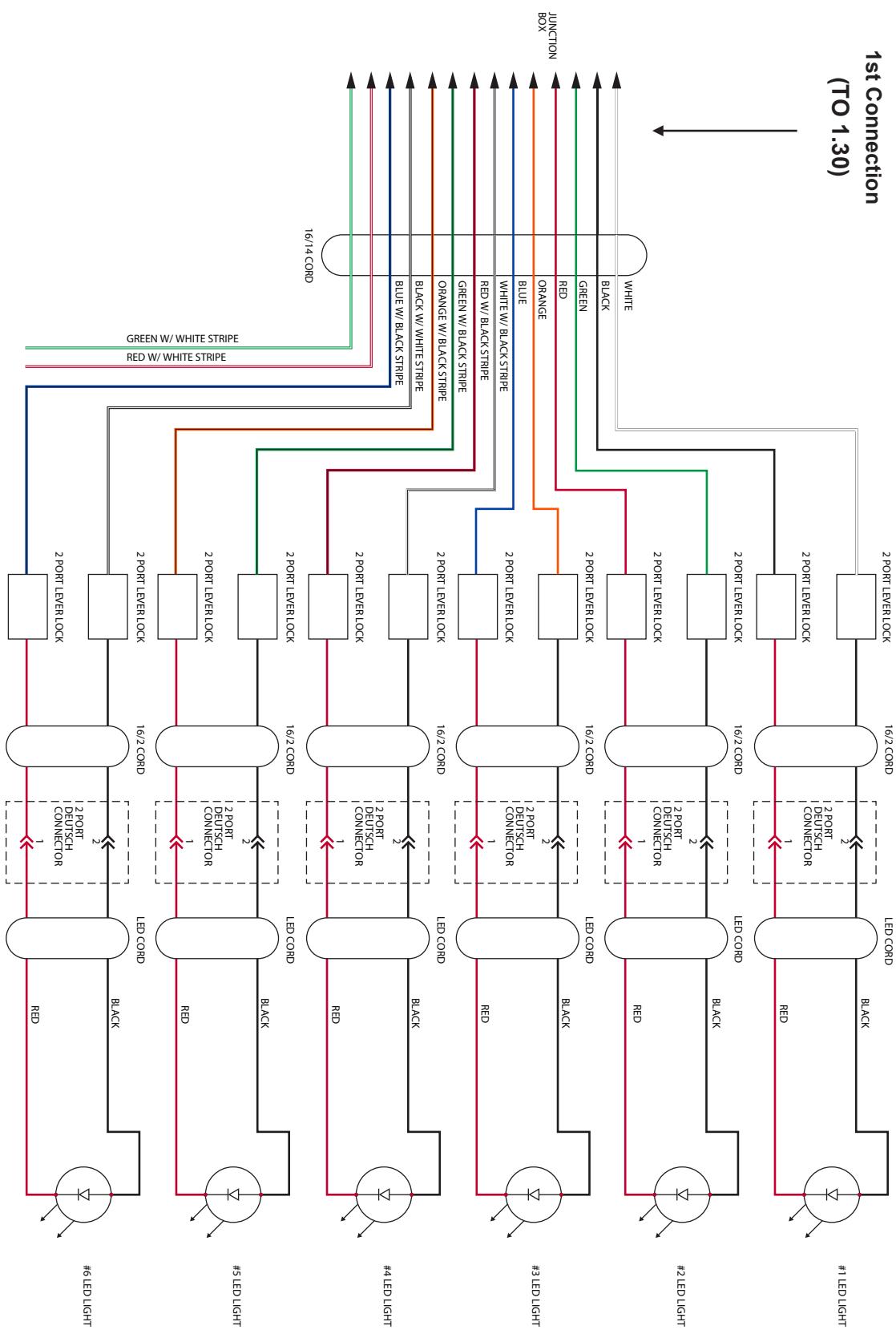


105714_A

1.41 - 6 Light LED Disconnect Schematic

1st Connection
(TO 1.30)

106158_A



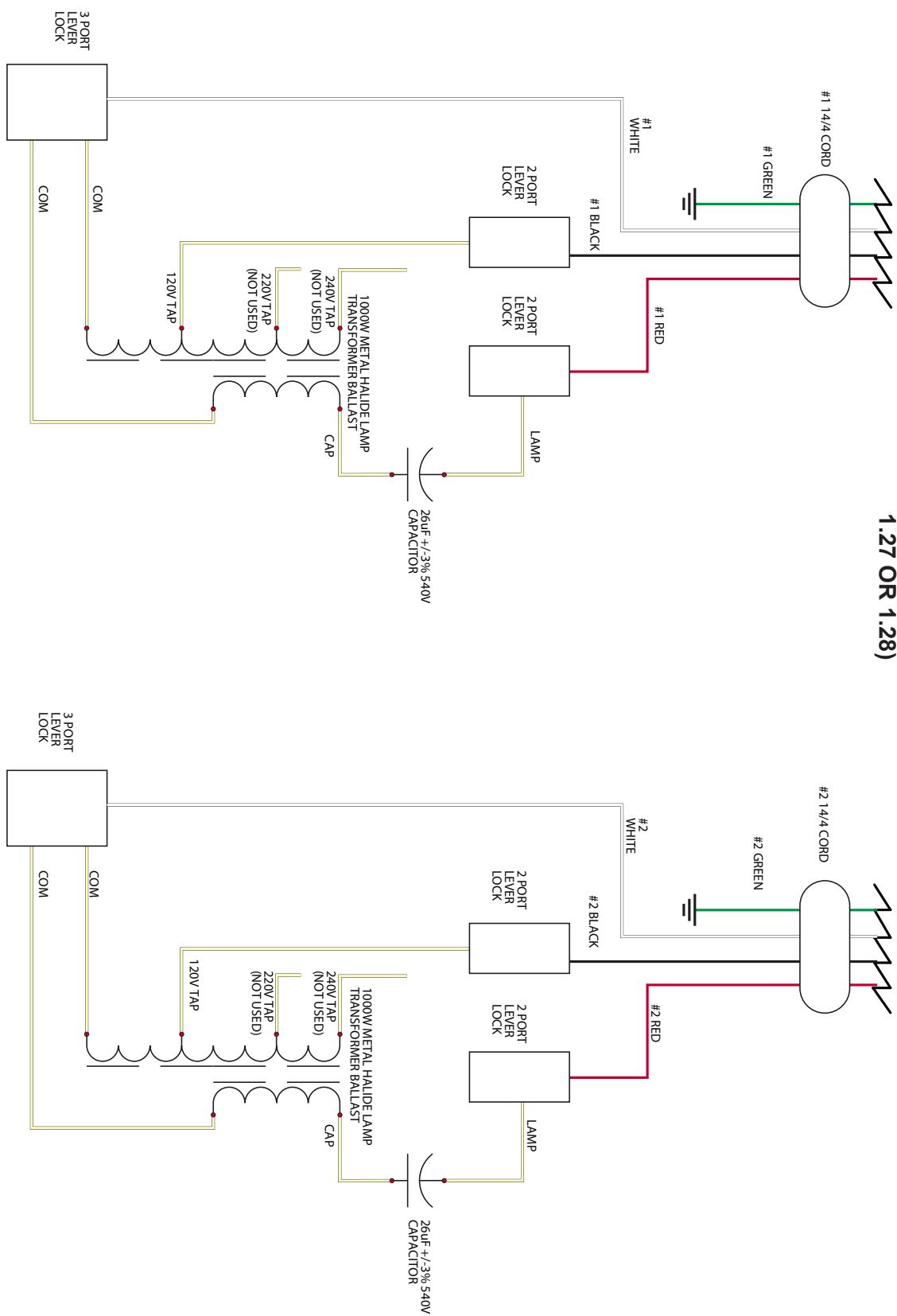
1.42 - 1000W 50Hz 120V Ballast Schematic

105288_A

**1st Connection
(TO 1.25, 1.26,
1.27 OR 1.28)**

JUNCTION/CONTROL BOX

JUNCTION/CONTROL BOX



1.43 - 1000W 50Hz 220V Ballast Schematic

105289_A

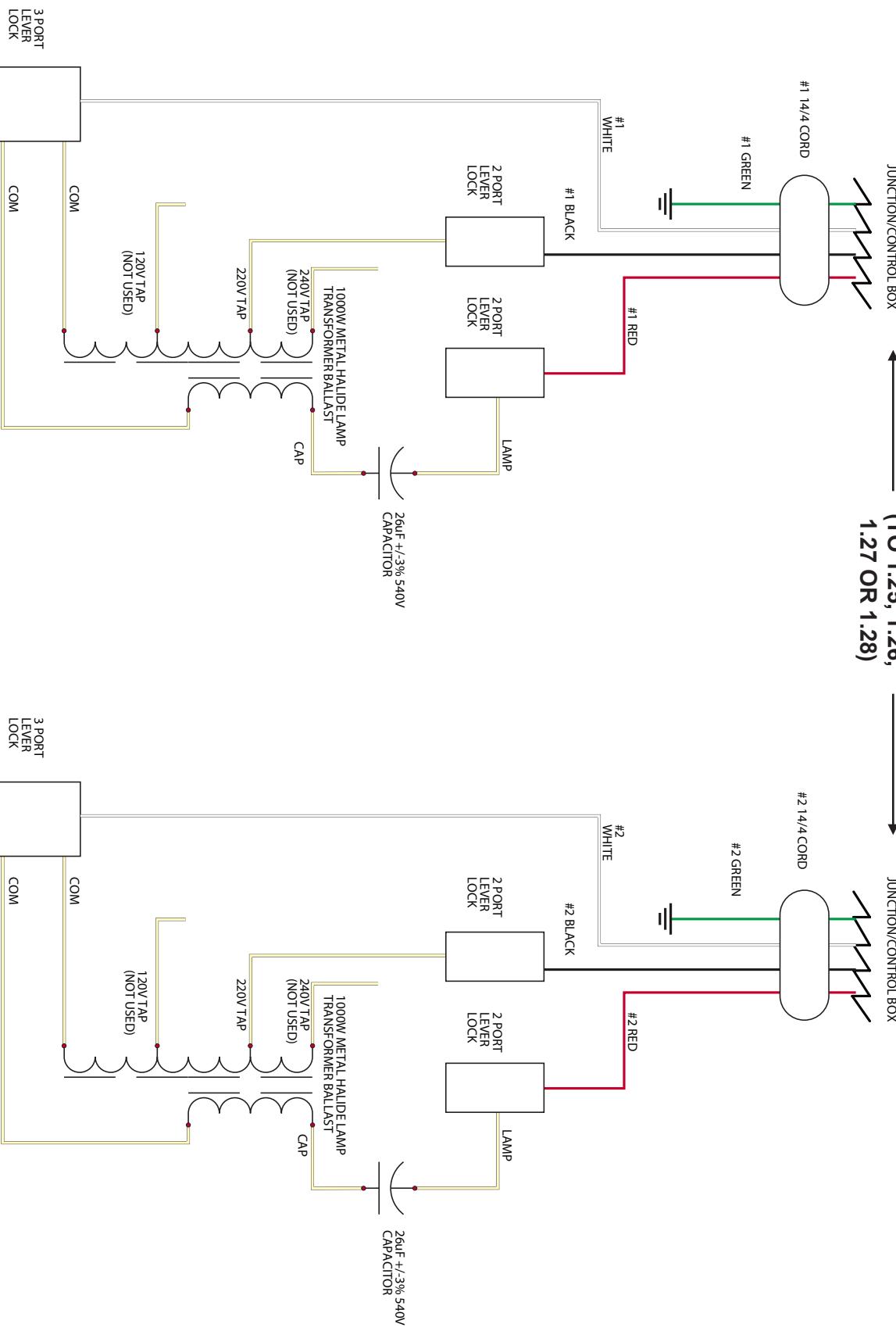
1st Connection
(TO 1.25, 1.26,
1.27 OR 1.28)

JUNCTION/CONTROL BOX

→

JUNCTION/CONTROL BOX

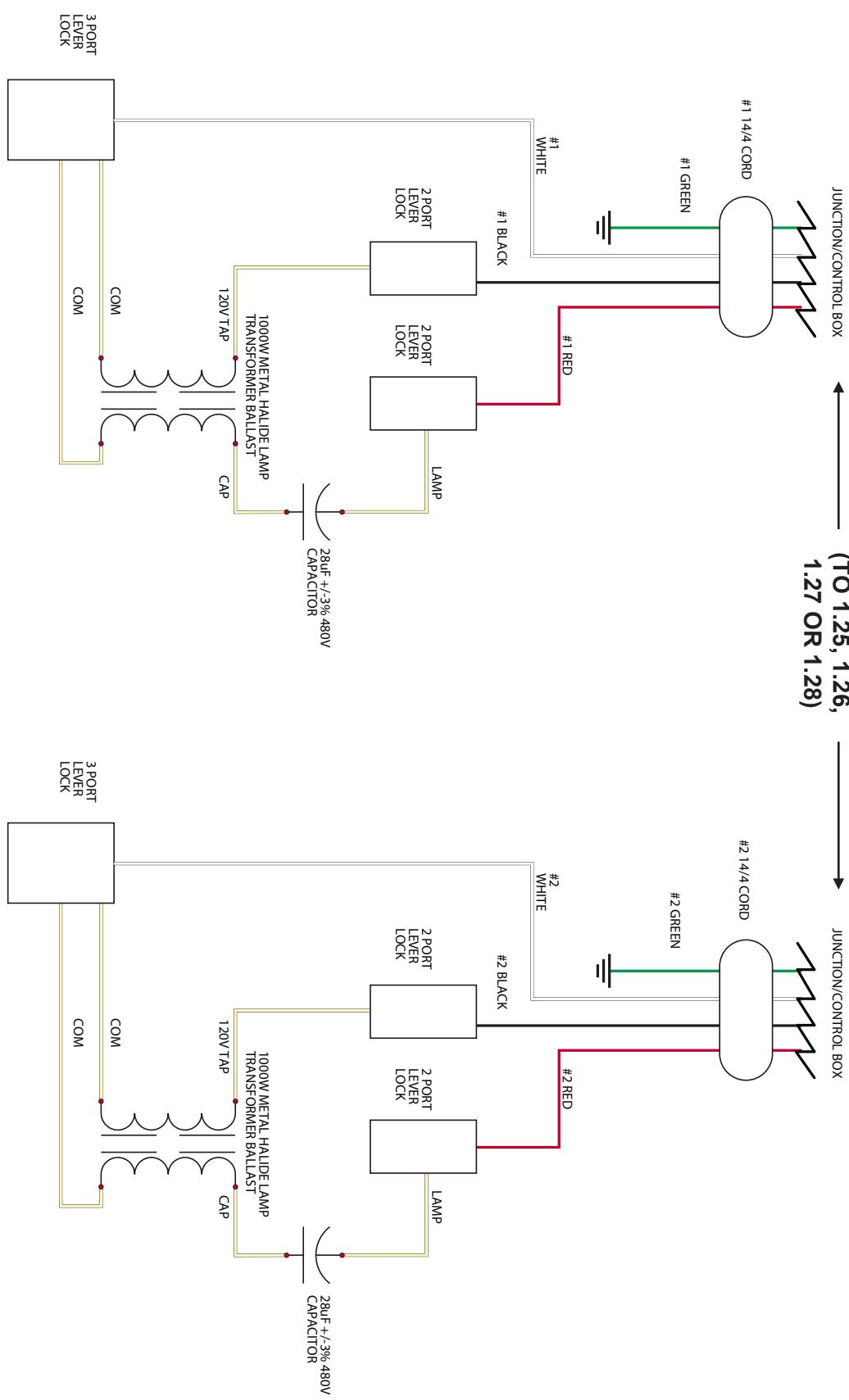
→



1.44 - 1000W 60Hz 120V Ballast Schematic

105287_A

1st Connection
(TO 1.25, 1.26,
1.27 OR 1.28)



1.45 - 1000W 60Hz 120V HPS Ballast Schematic

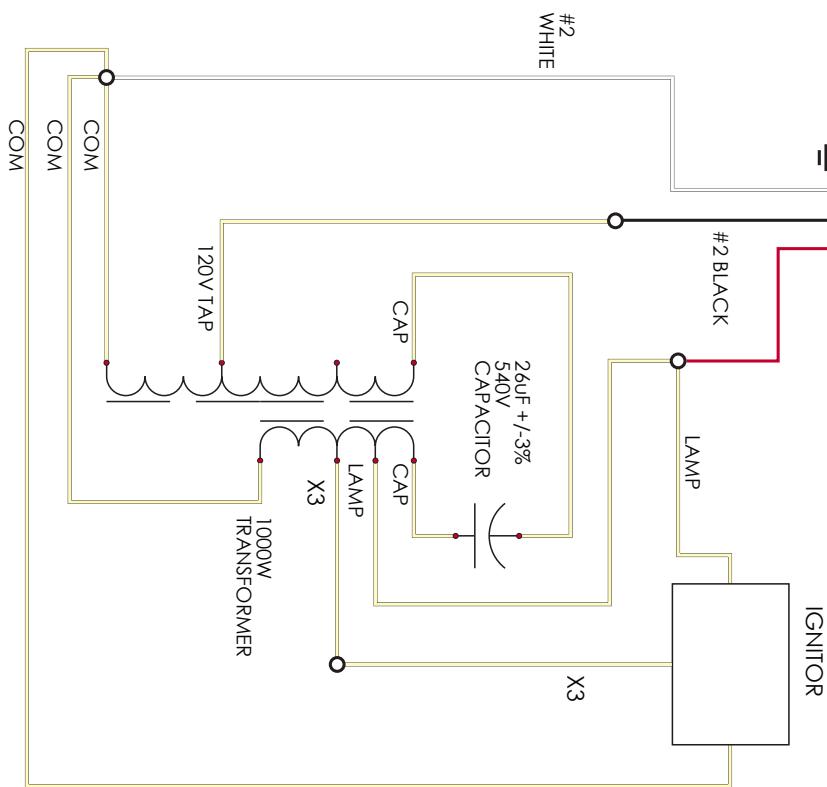
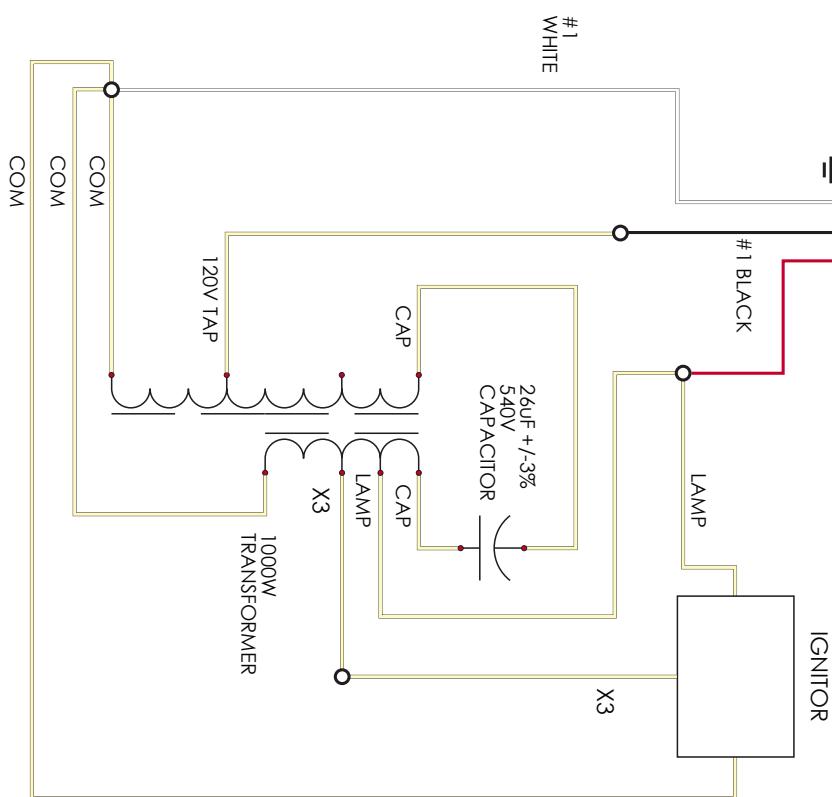
105184_A

1st Connection
(TO 1.25, 1.26,
1.27 OR 1.28)

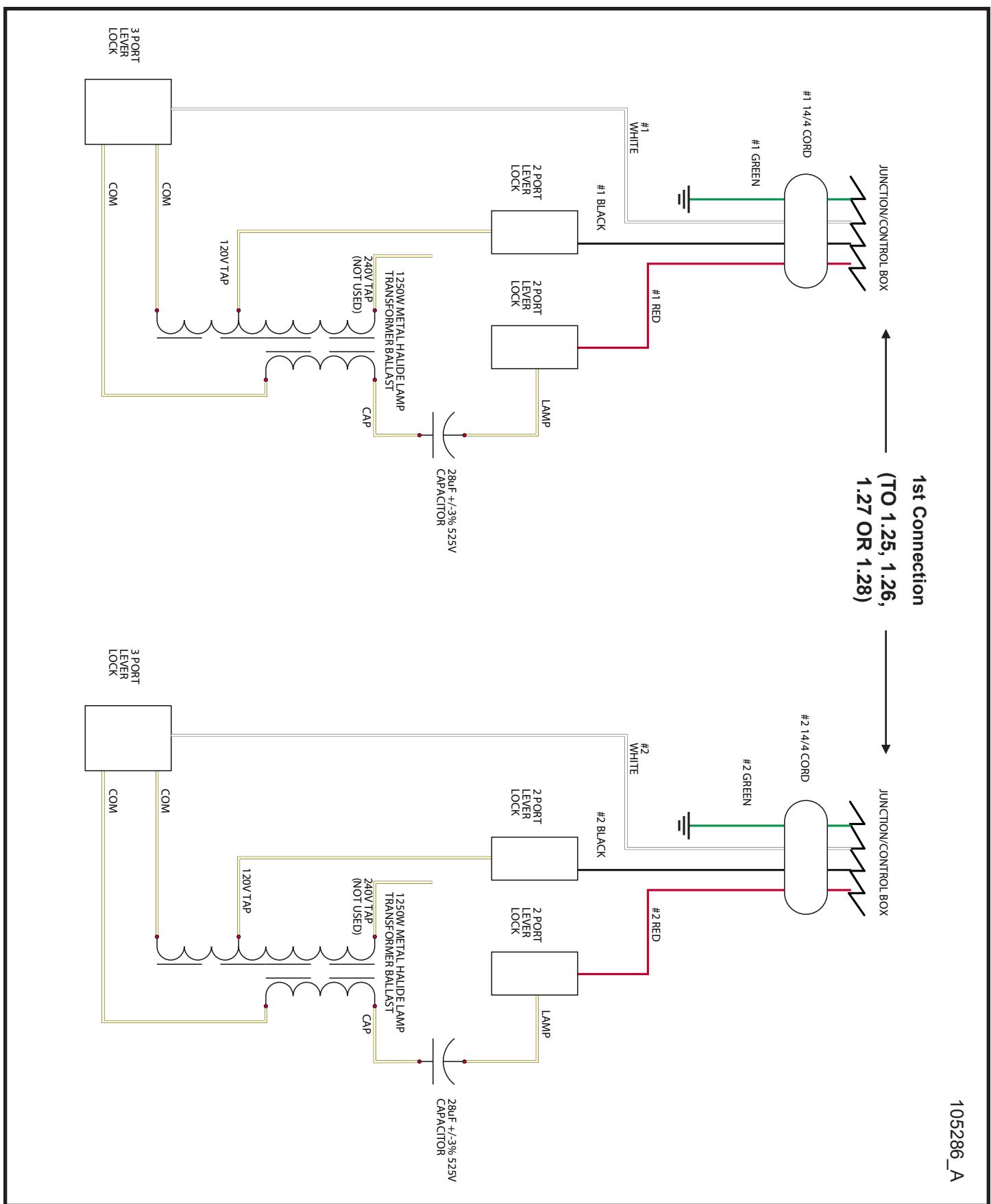
JUNCTION/CONTROL BOX → JUNCTION/CONTROL BOX

#1 14AWG 4 CONDUCTOR CORD

#2 14AWG 4 CONDUCTOR CORD



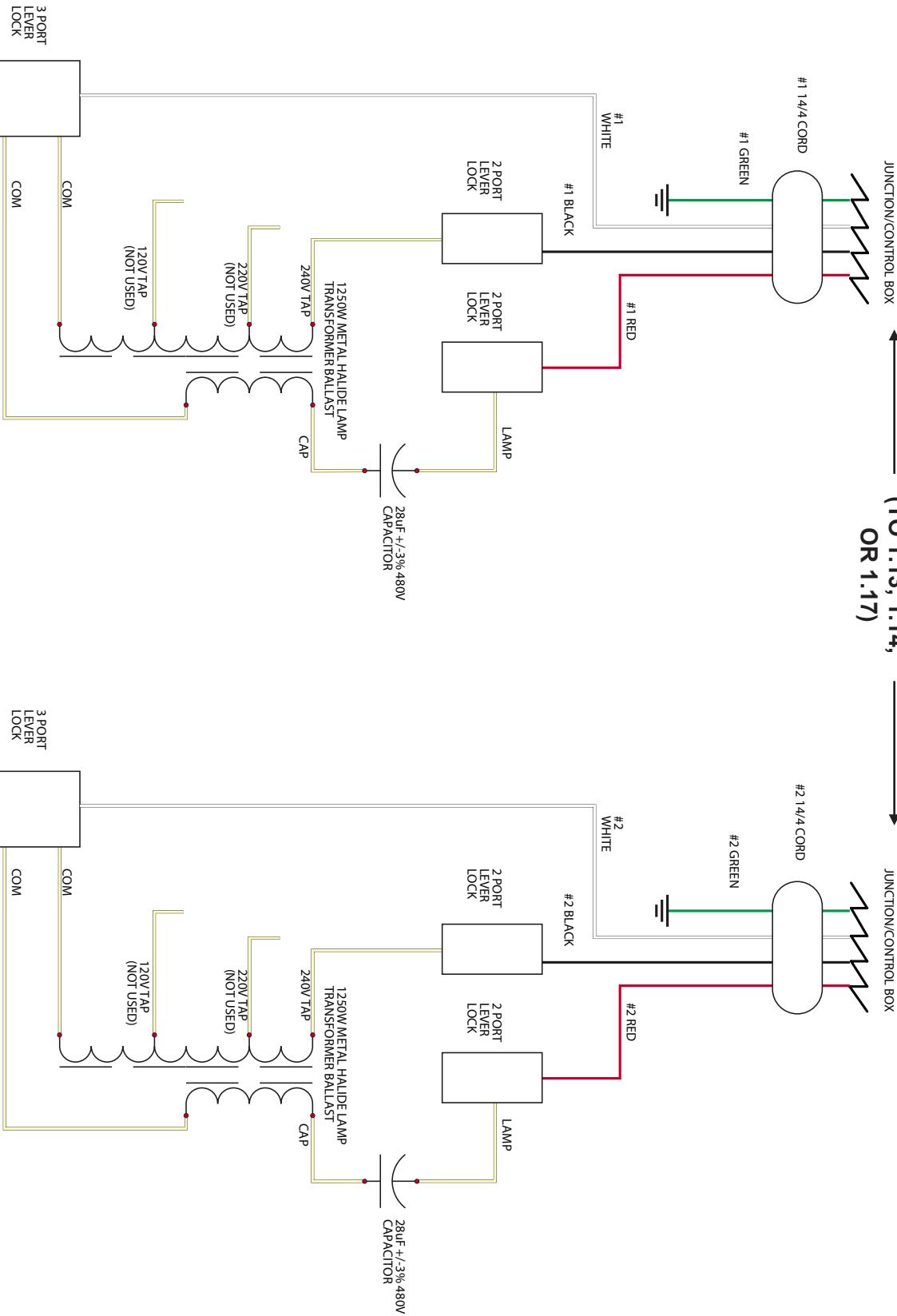
1.46 - 1250W 60Hz 120V Ballast Schematic



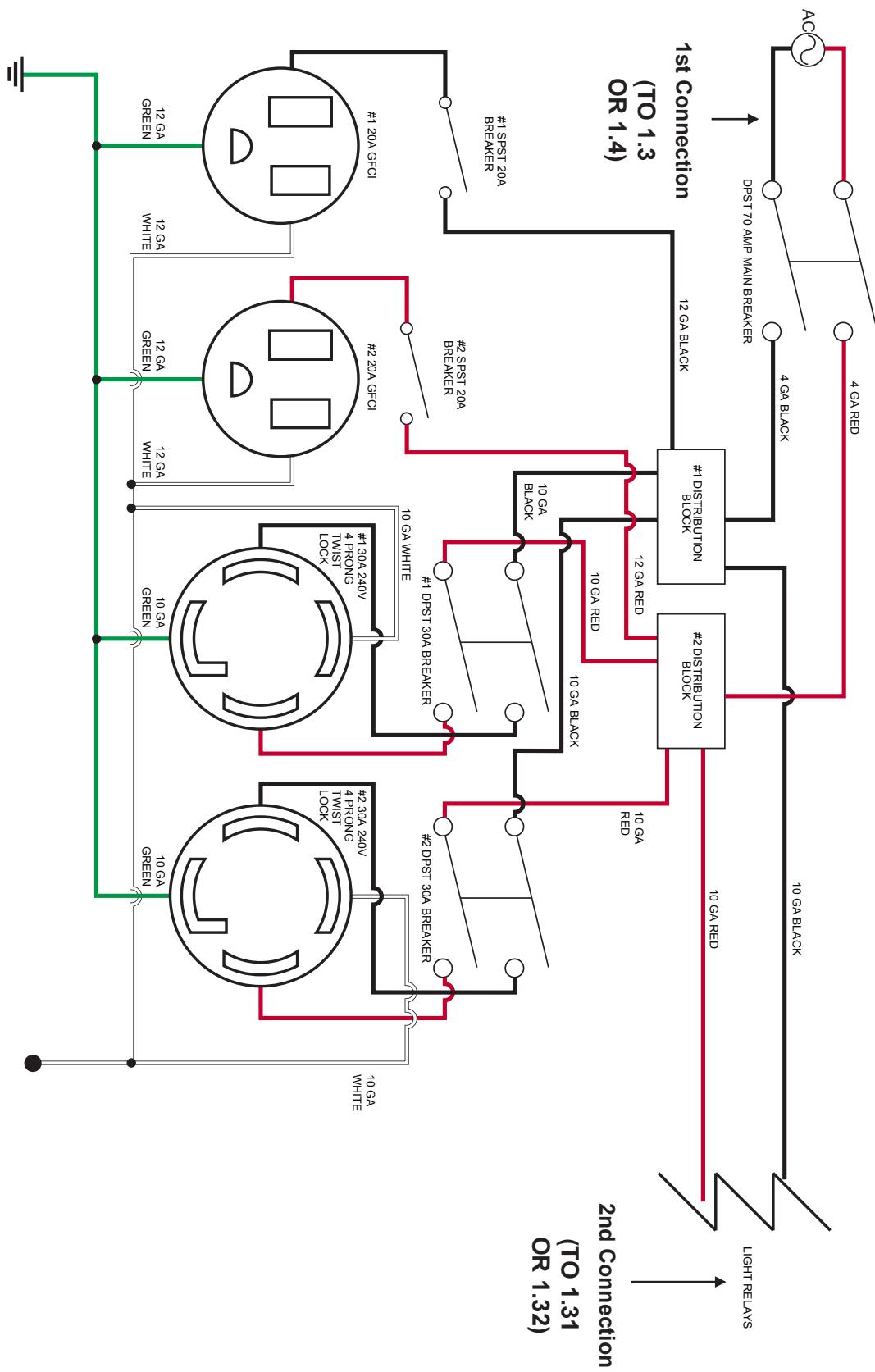
1.47 - 1250W 60Hz 240V Ballast Schematic

105290_A

1st Connection
(TO 1.13, 1.14,
OR 1.17)

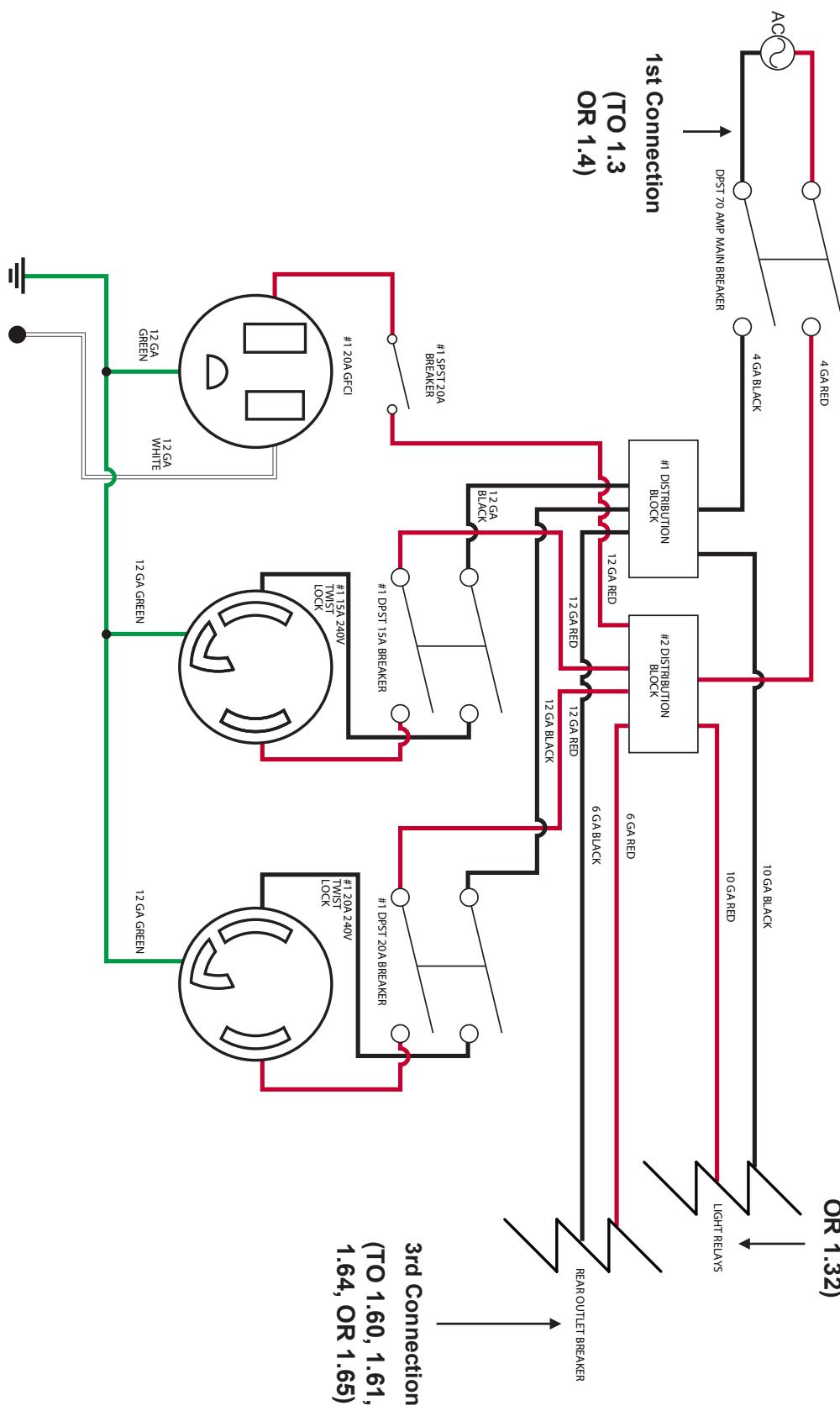


1.48 - 8kW 1PH 2-240V 30A 1-120V 20A GFCI Schematic

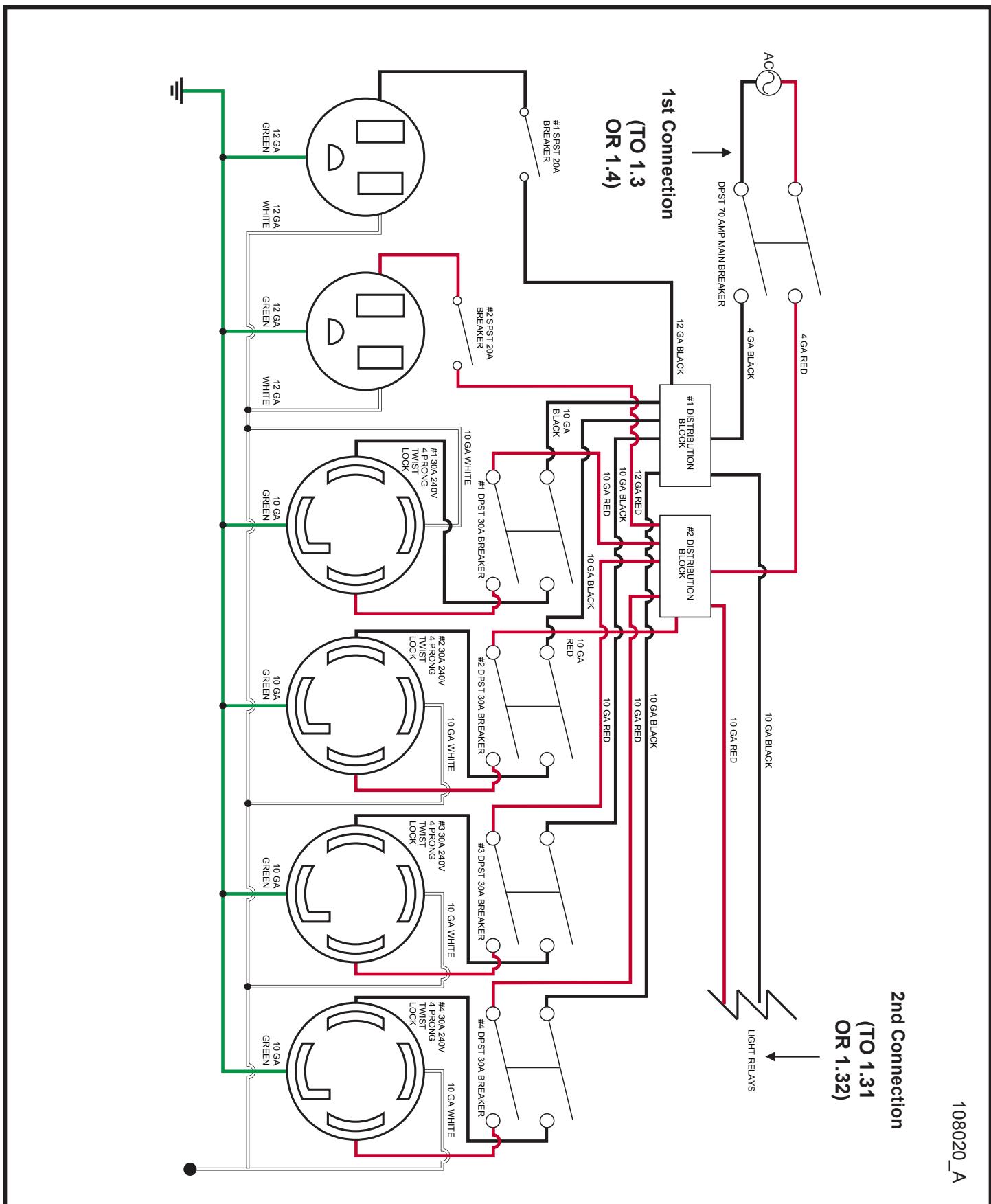


1.49 - 4kW 1PH 1-20A GFCI 1-15 L6-15R 1-20A L6-30R Schematic

108018_A



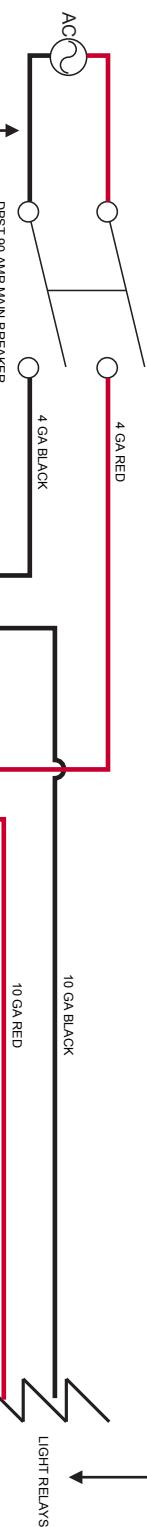
1.50 - 15kW 1PH 4-240V 30A 2-120V 20A GFCI Schematic



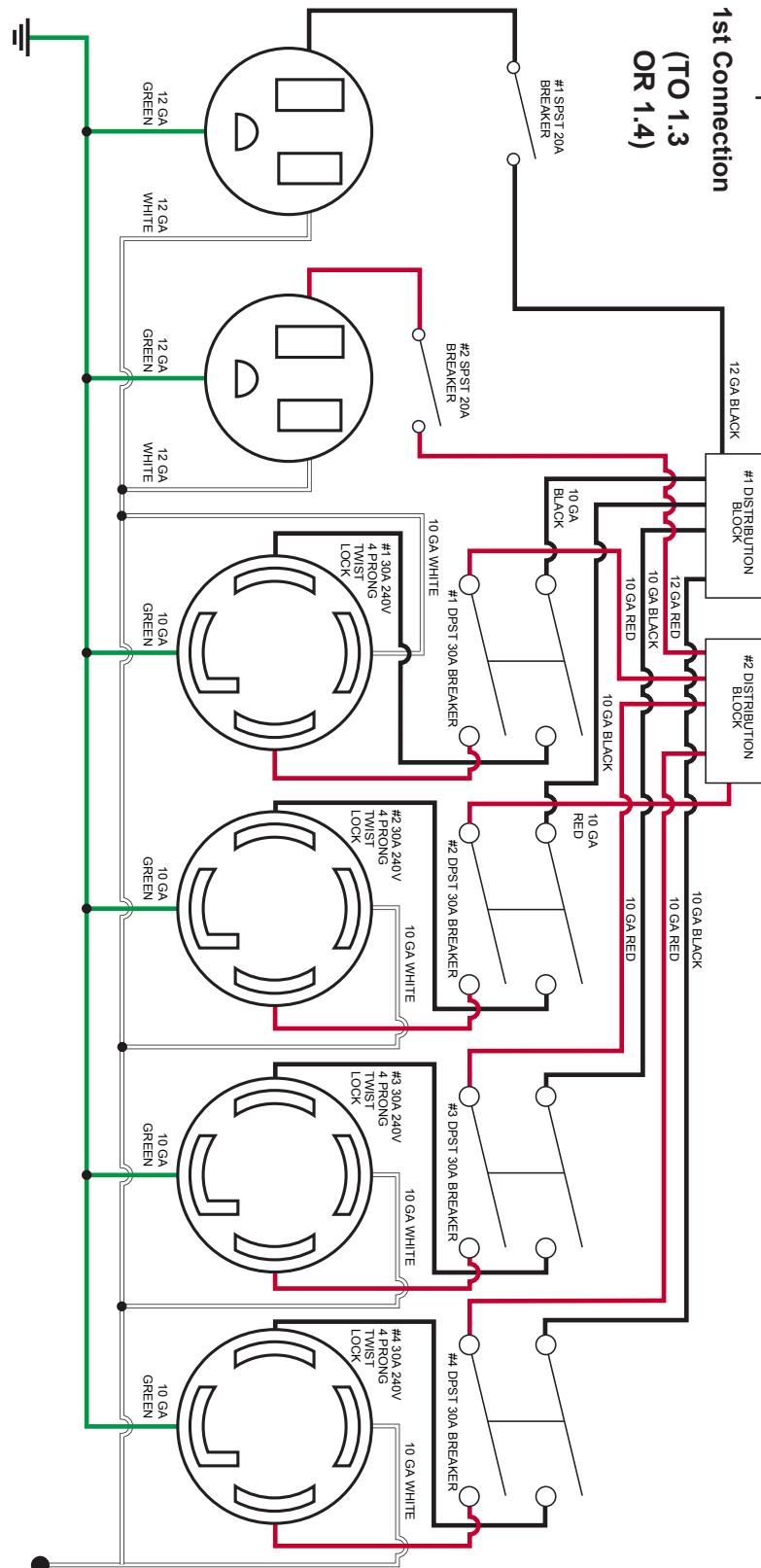
1.51 - 20kW 1PH 4-240V 30A 2-120V 20A GFCI Schematic

108023_A

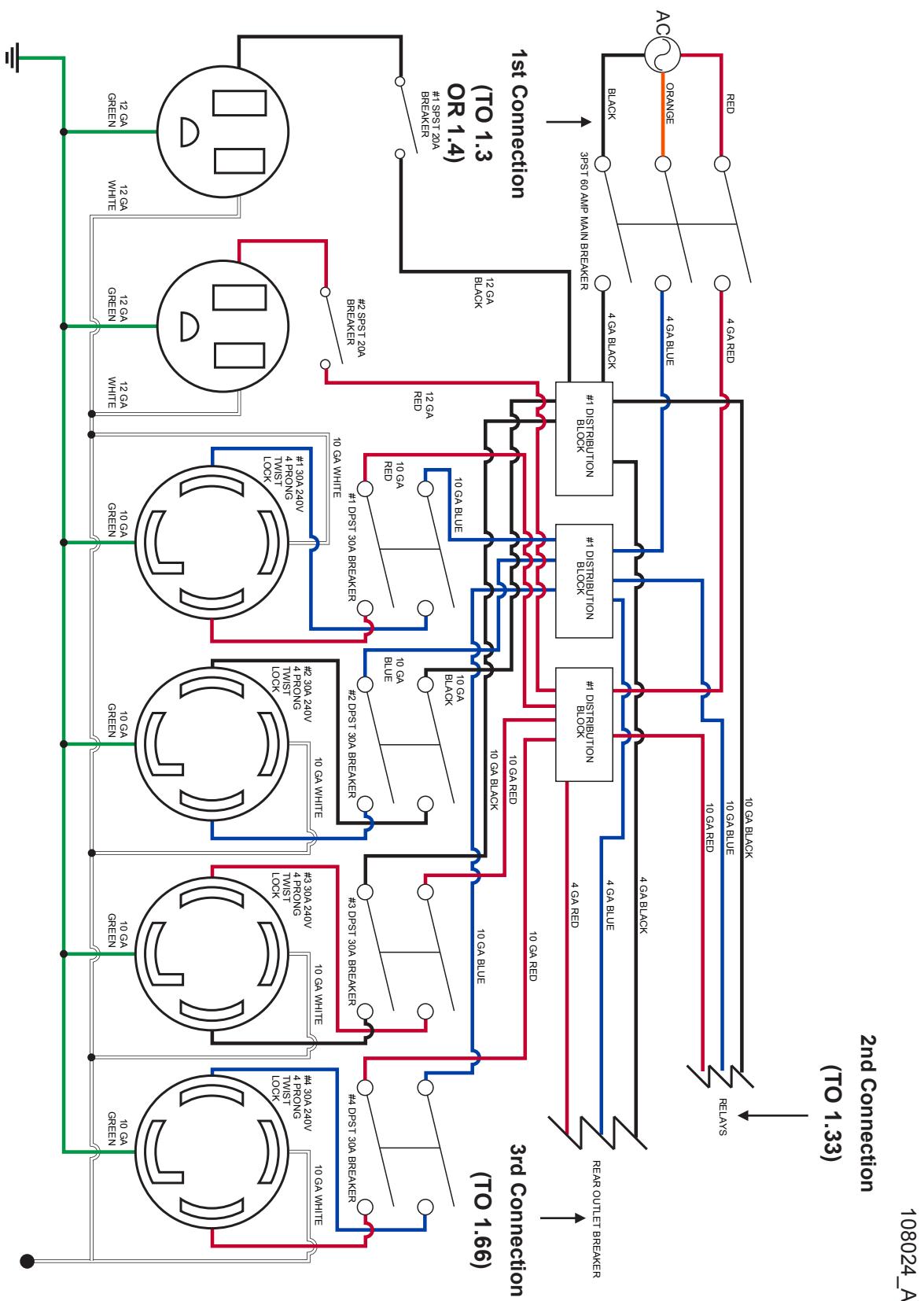
2nd Connection (TO 1.31 OR 1.32)



1st Connection (TO 1.3 OR 1.4)

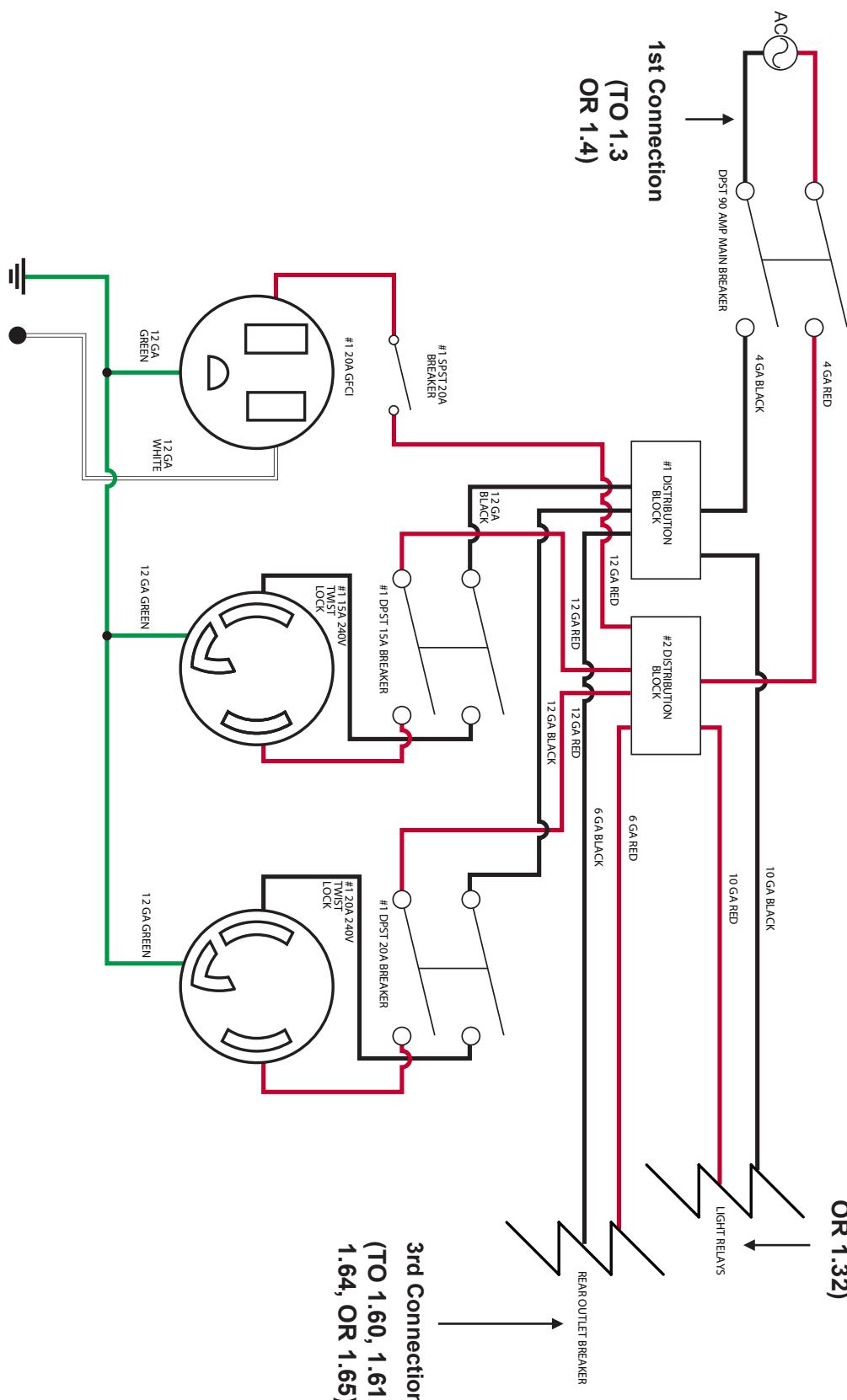


1.52 - 20kW 3PH 4-208V 30A 2-120V 20A GFCI Schematic

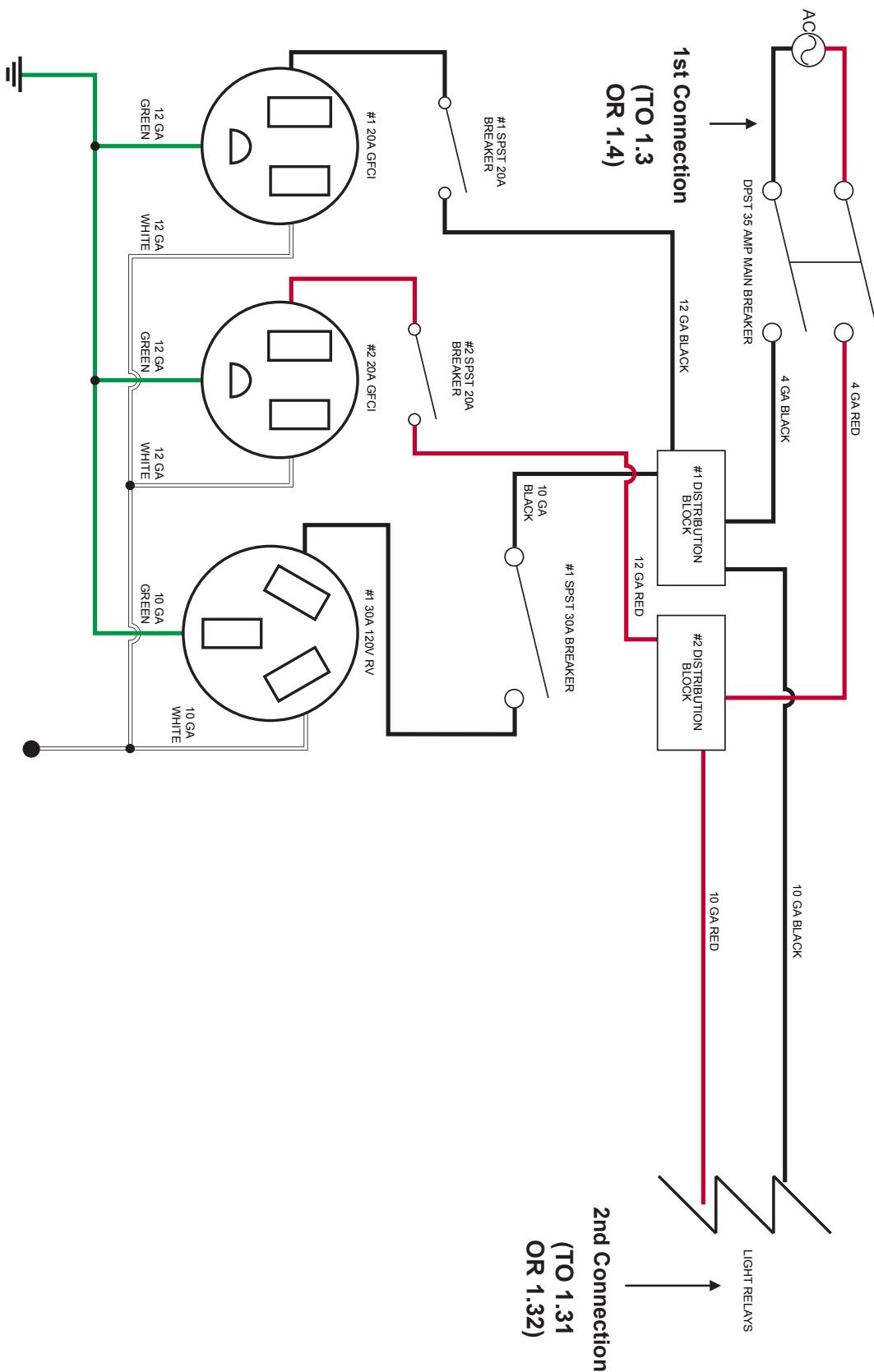


1.53 - 20kW 1PH 1-240V 20A 1-240V 15A 1-20A GFCI Schematic

108021_A

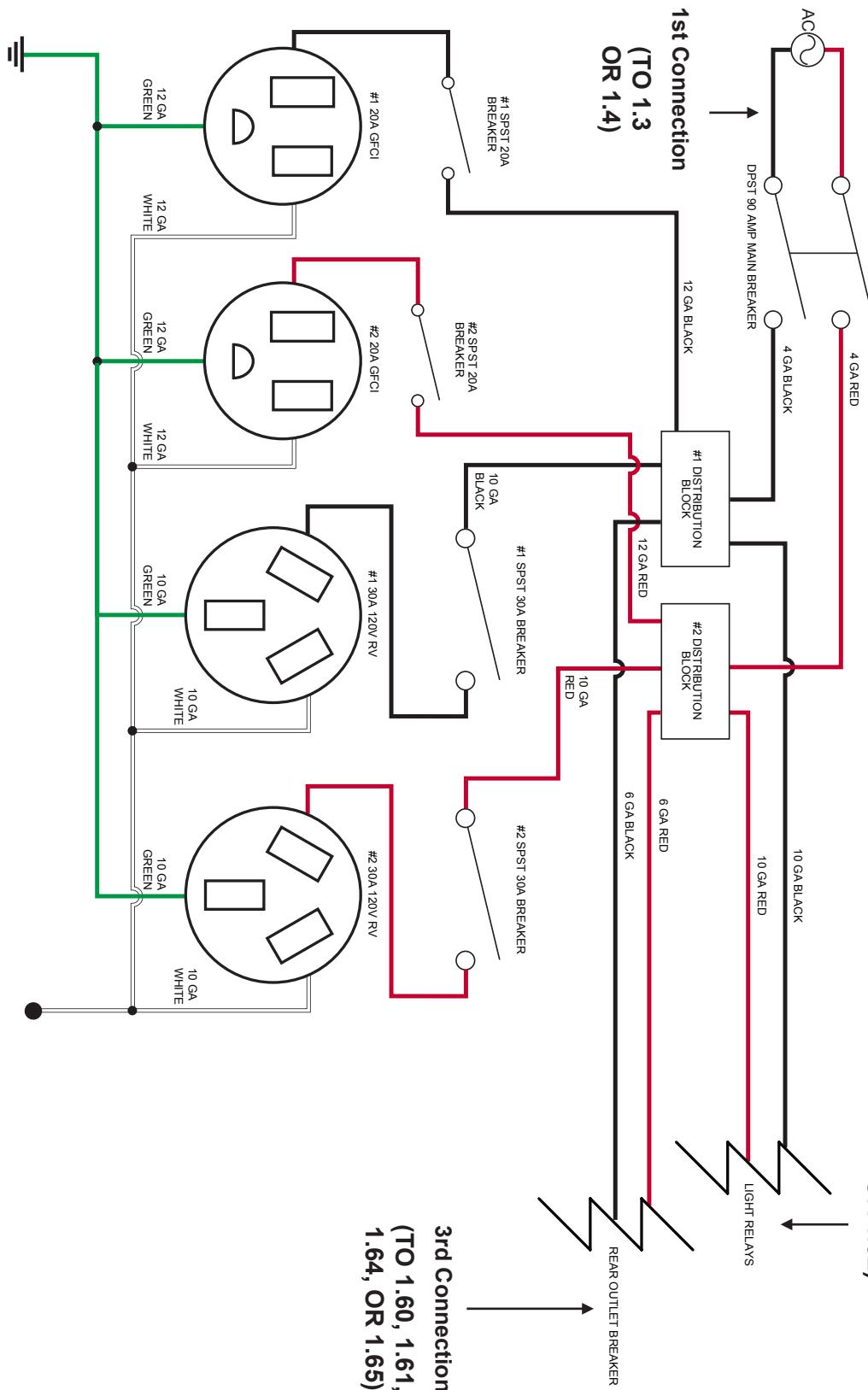


1.54 - 8kW 1PH 1-30A RV 2-20A GFCI Schematic



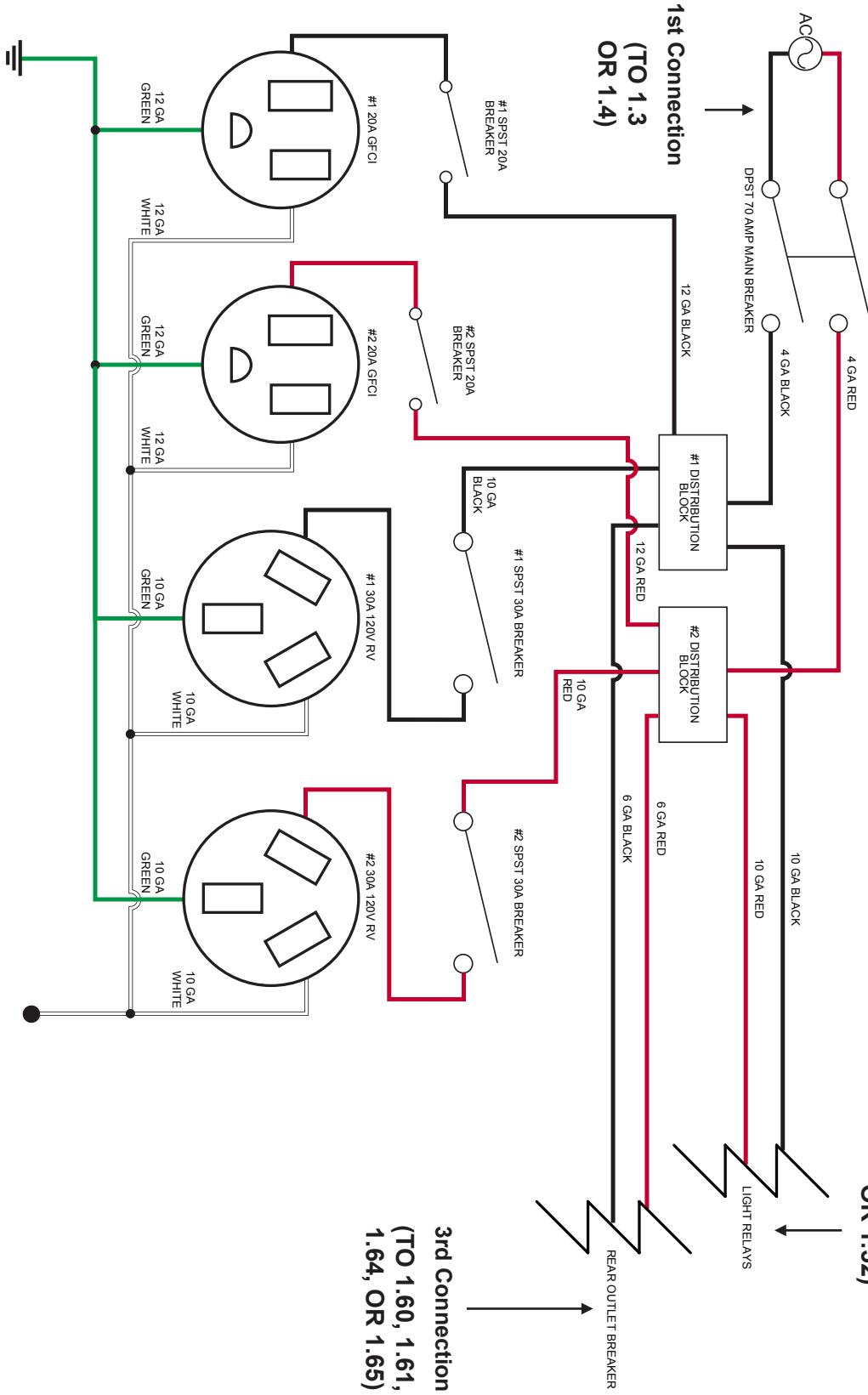
1.55 - 20kW 1PH 2-30A RV 2-20A GFCI Schematic

108022_A



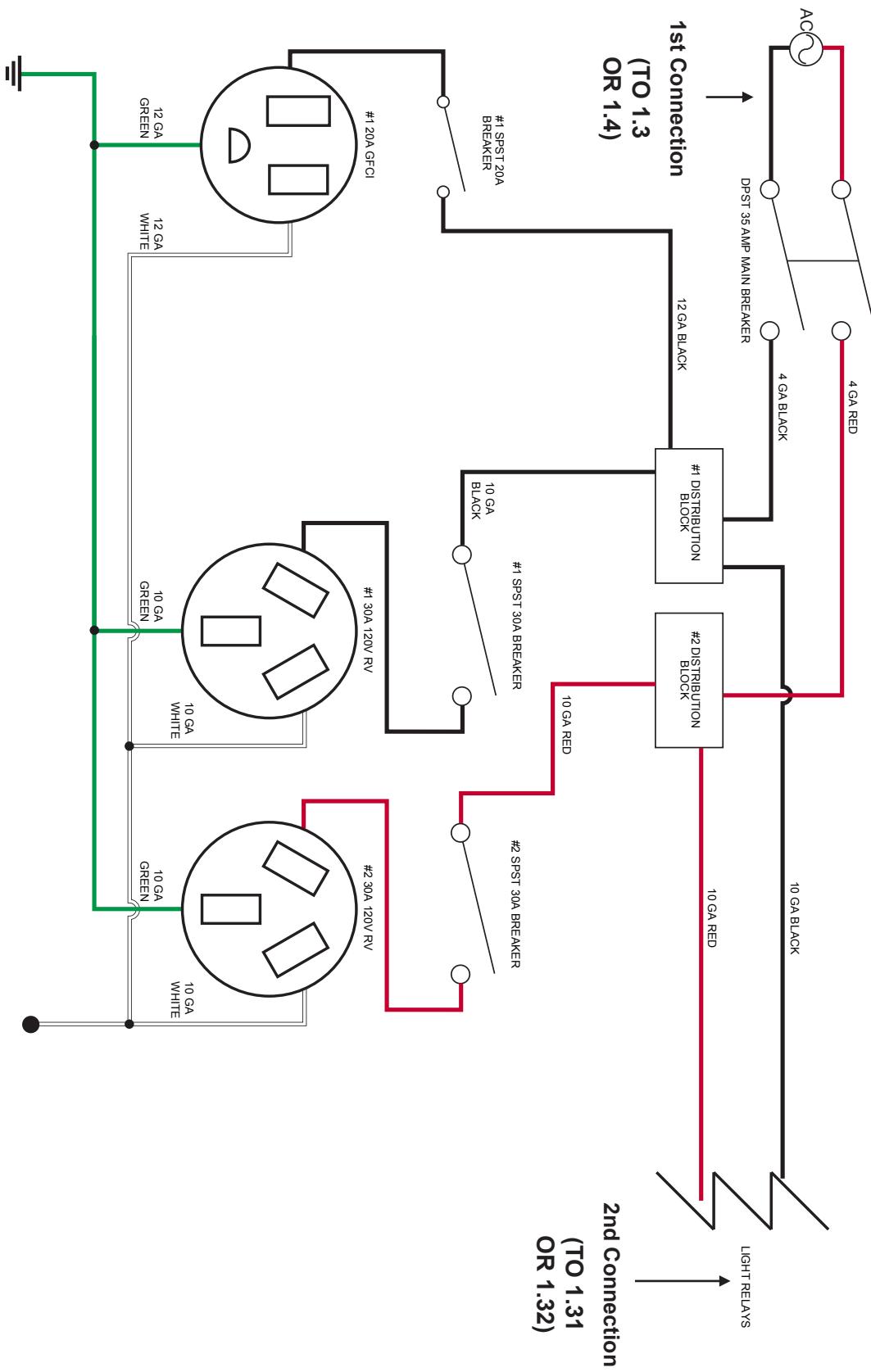
1.56 - 13kW 1PH 2-30A RV 2-20A GFCI Schematic

108019_A



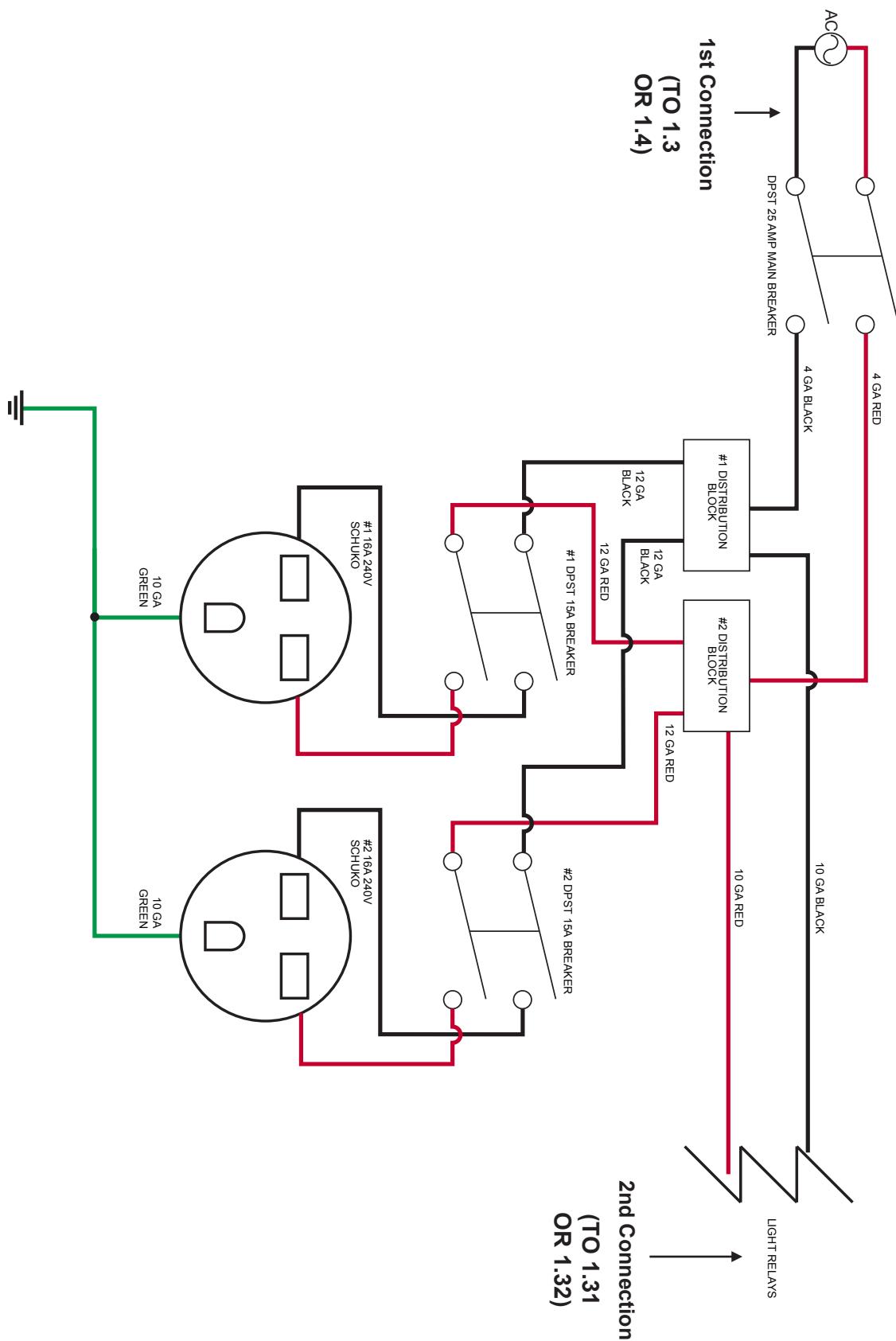
1.57 - 8kW 1PH 2-30A RV 1-20A GFCI Schematic

108015_A

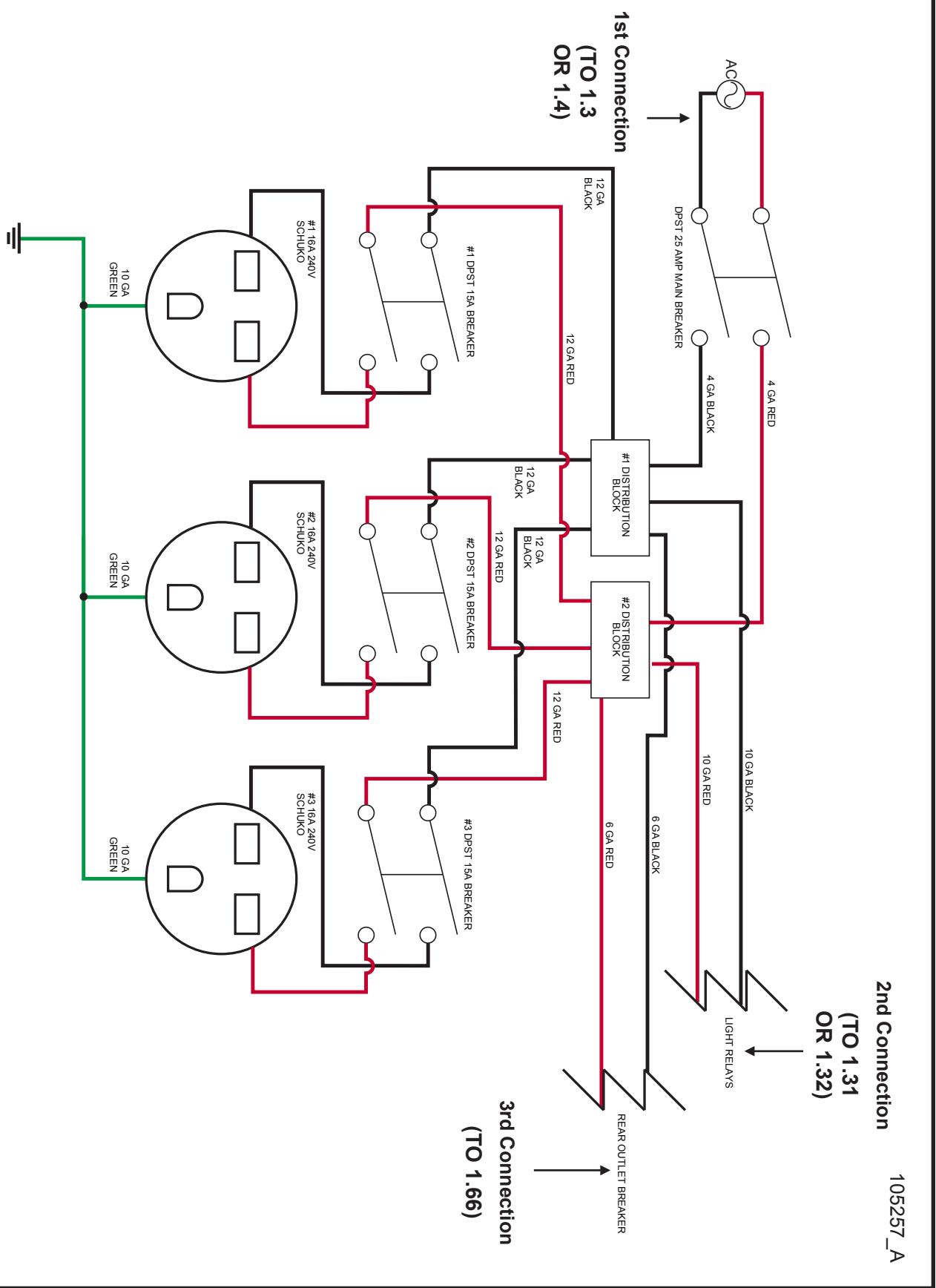


1.58 - 6kW 1PH 2-16A

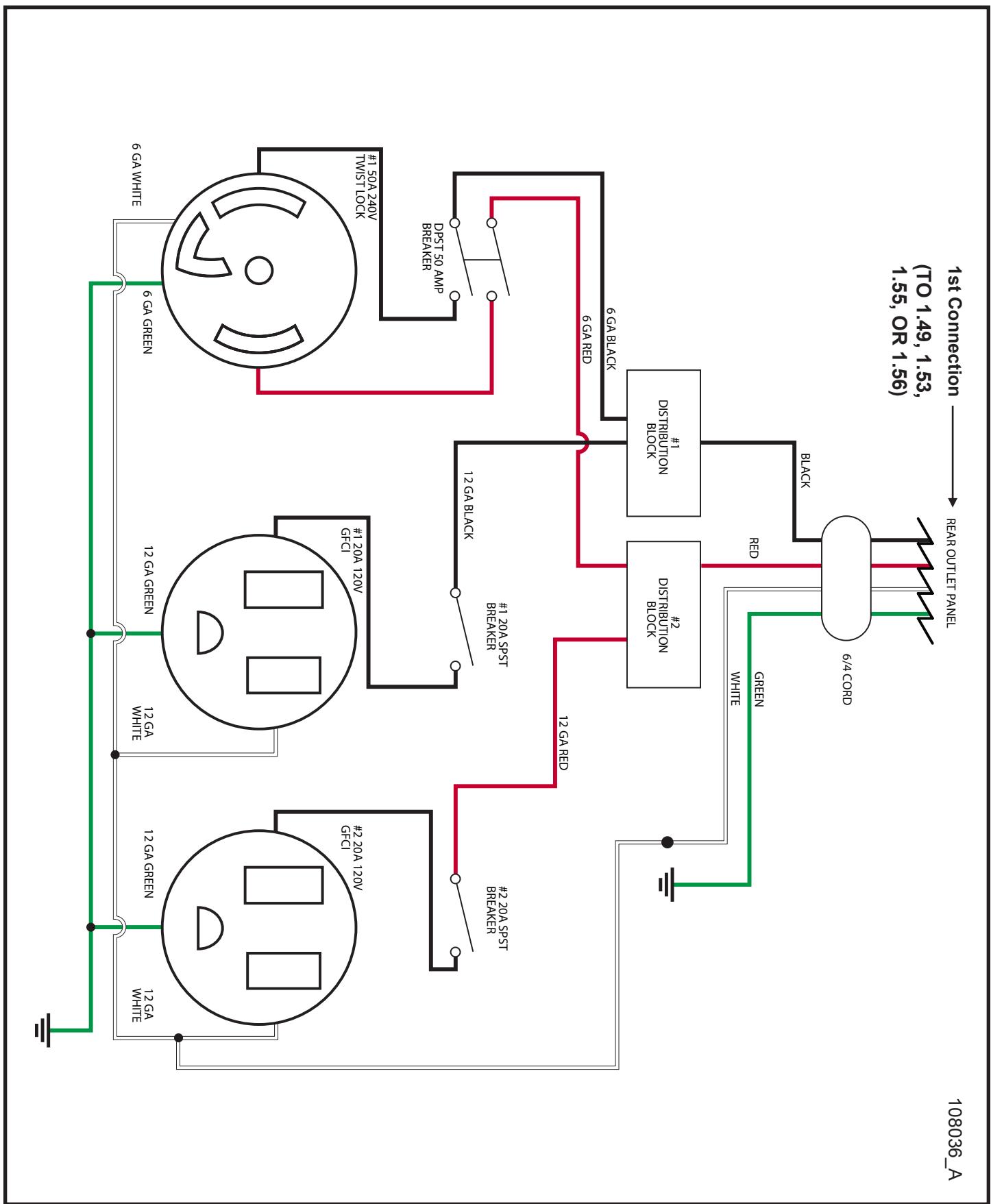
105256_A

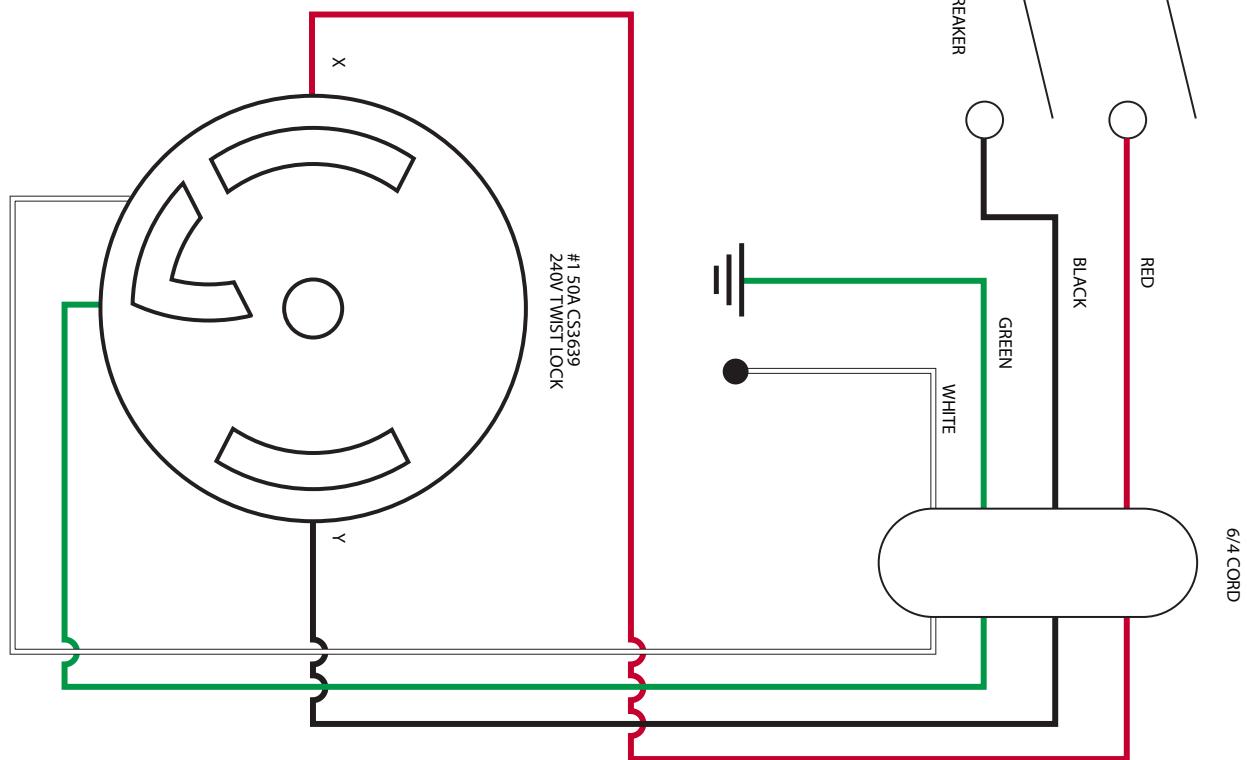


1.59 - Section One

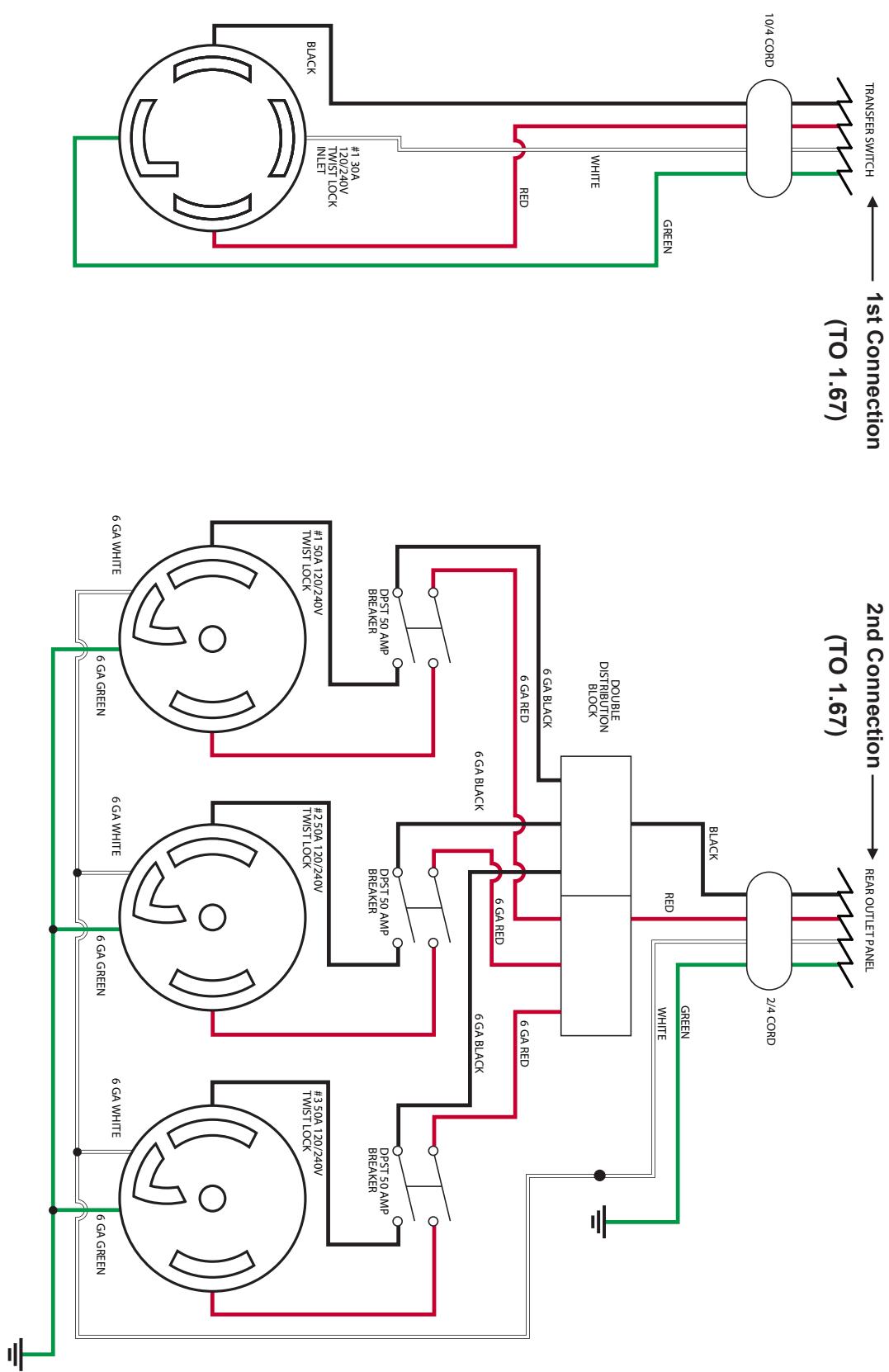


1.60 - Aux Outlet 2-20A GFCI 1-50A Schematic



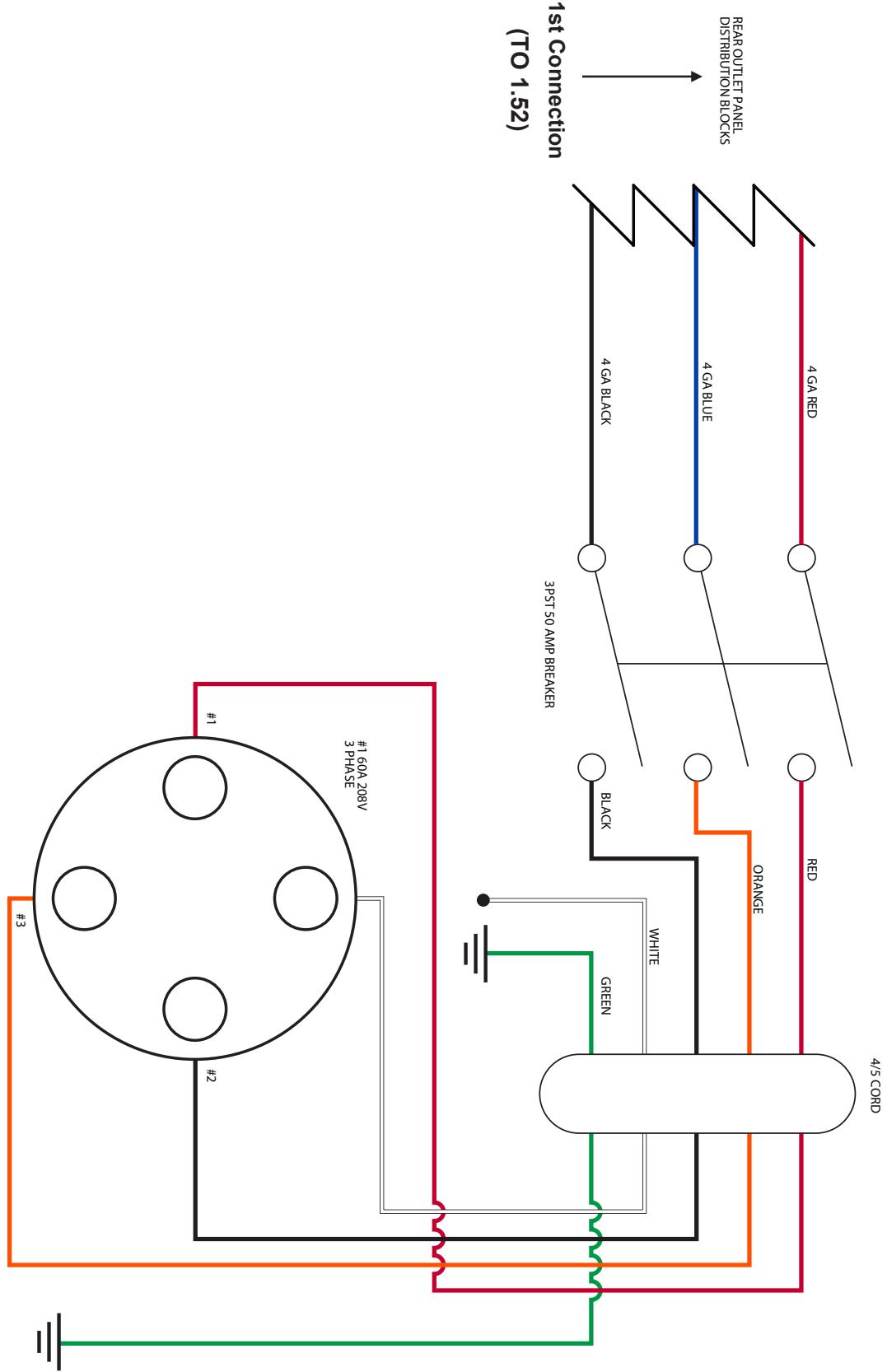
1.61 - Aux Outlet 1-50A Schematic

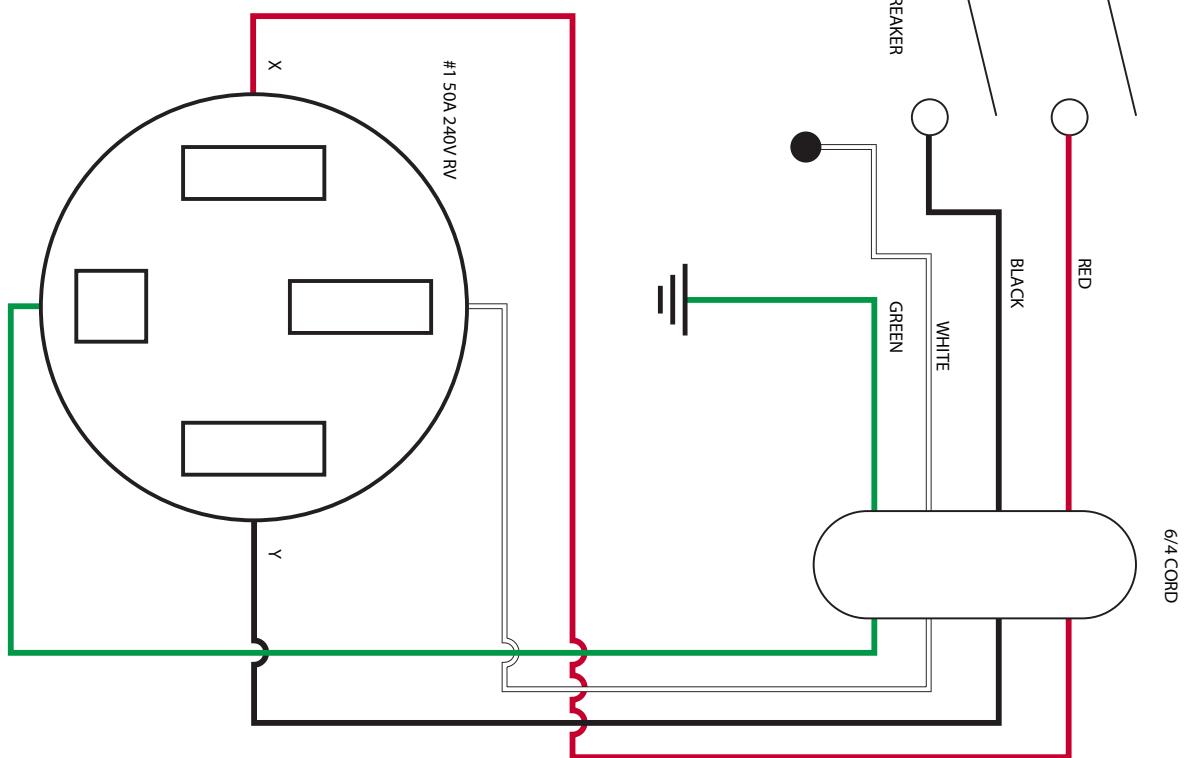
1.62 - Aux Outlet 3-50A 1-30A Schematic

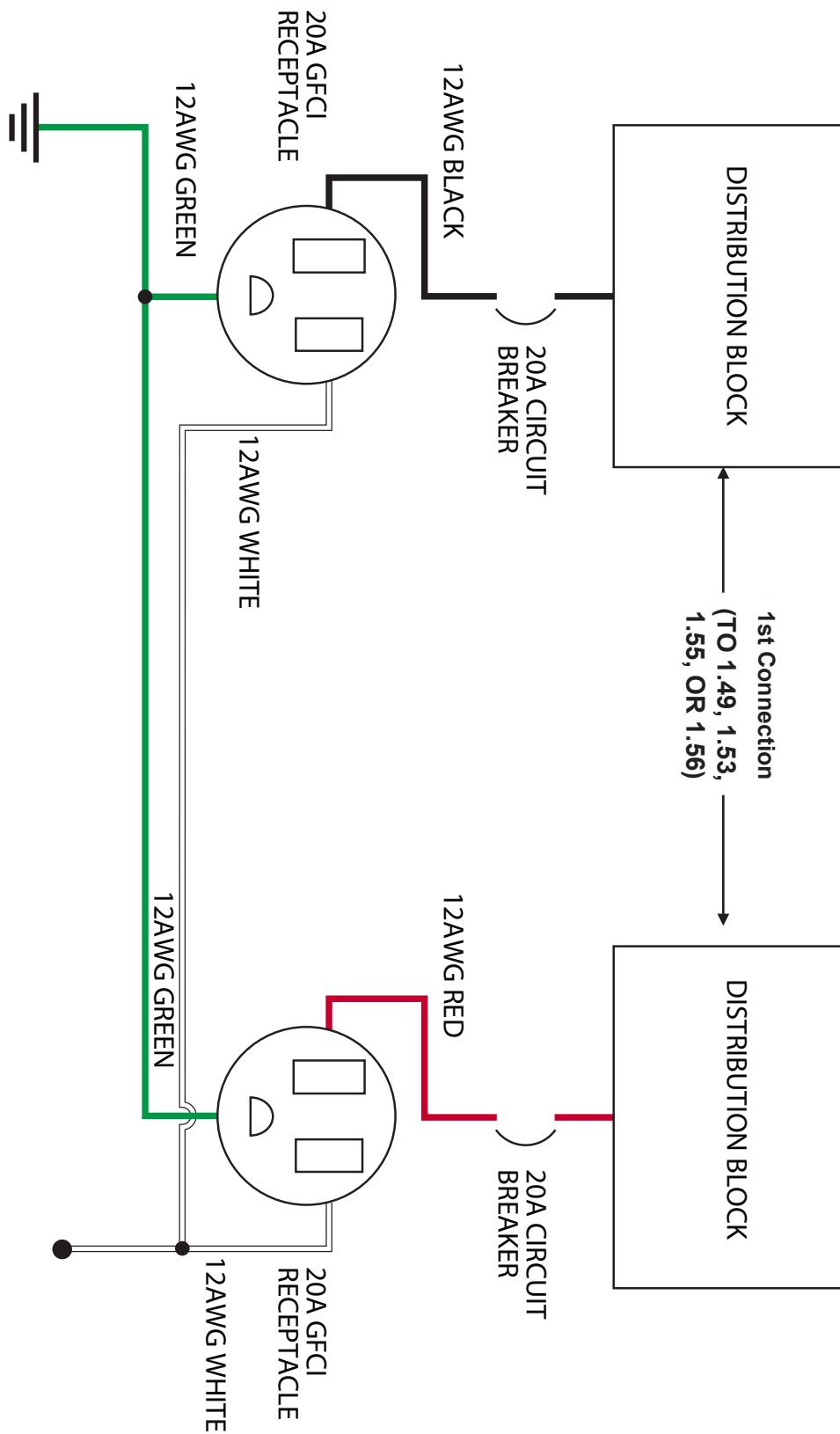


105268_A

1.63 - Aux Outlet 1-60A 3P 600V Schematic



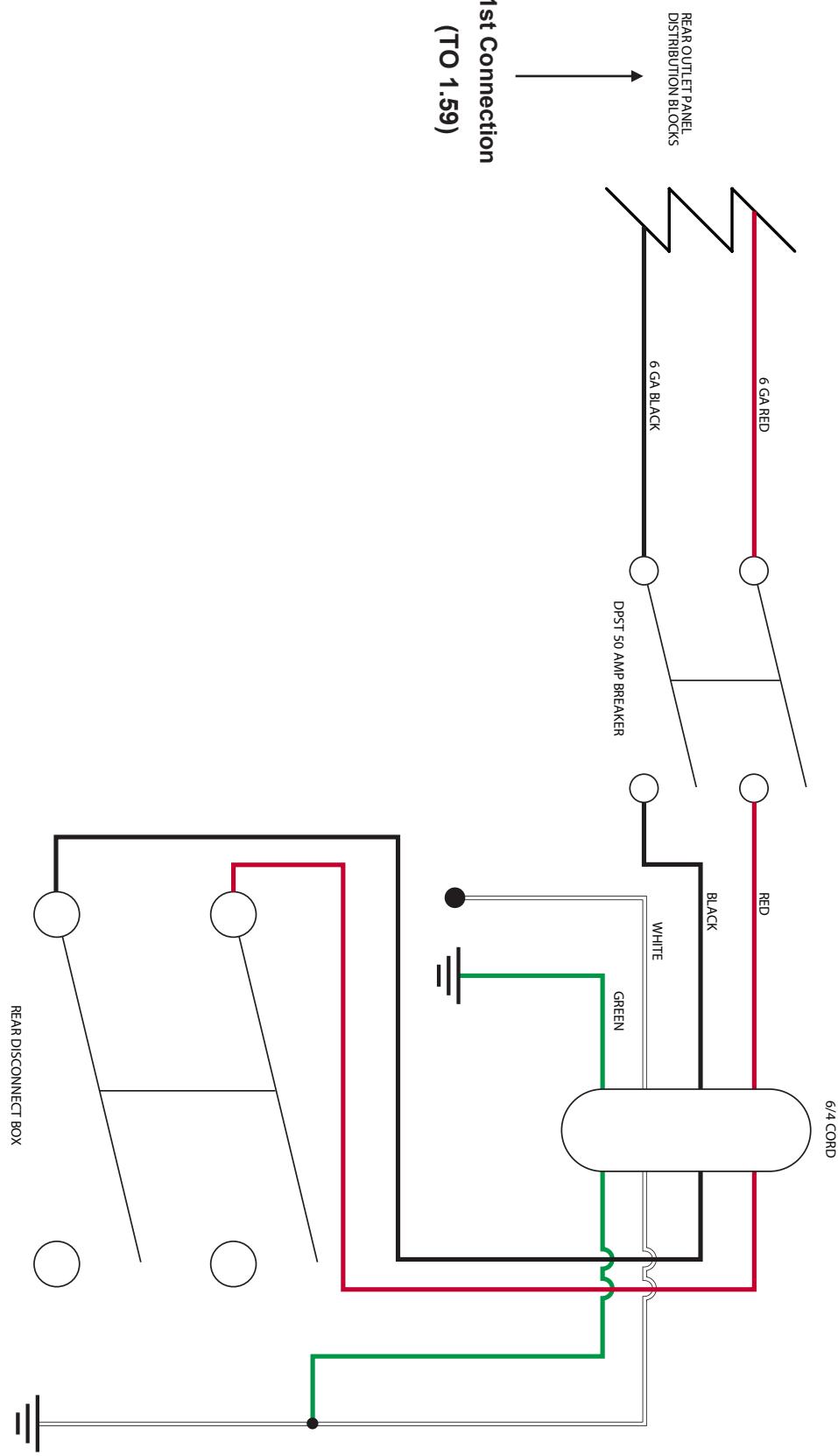
1.64 - Aux Outlet 1-50A 4-50R Schematic

1.65 - Internal GFCI Schematic

106086_A

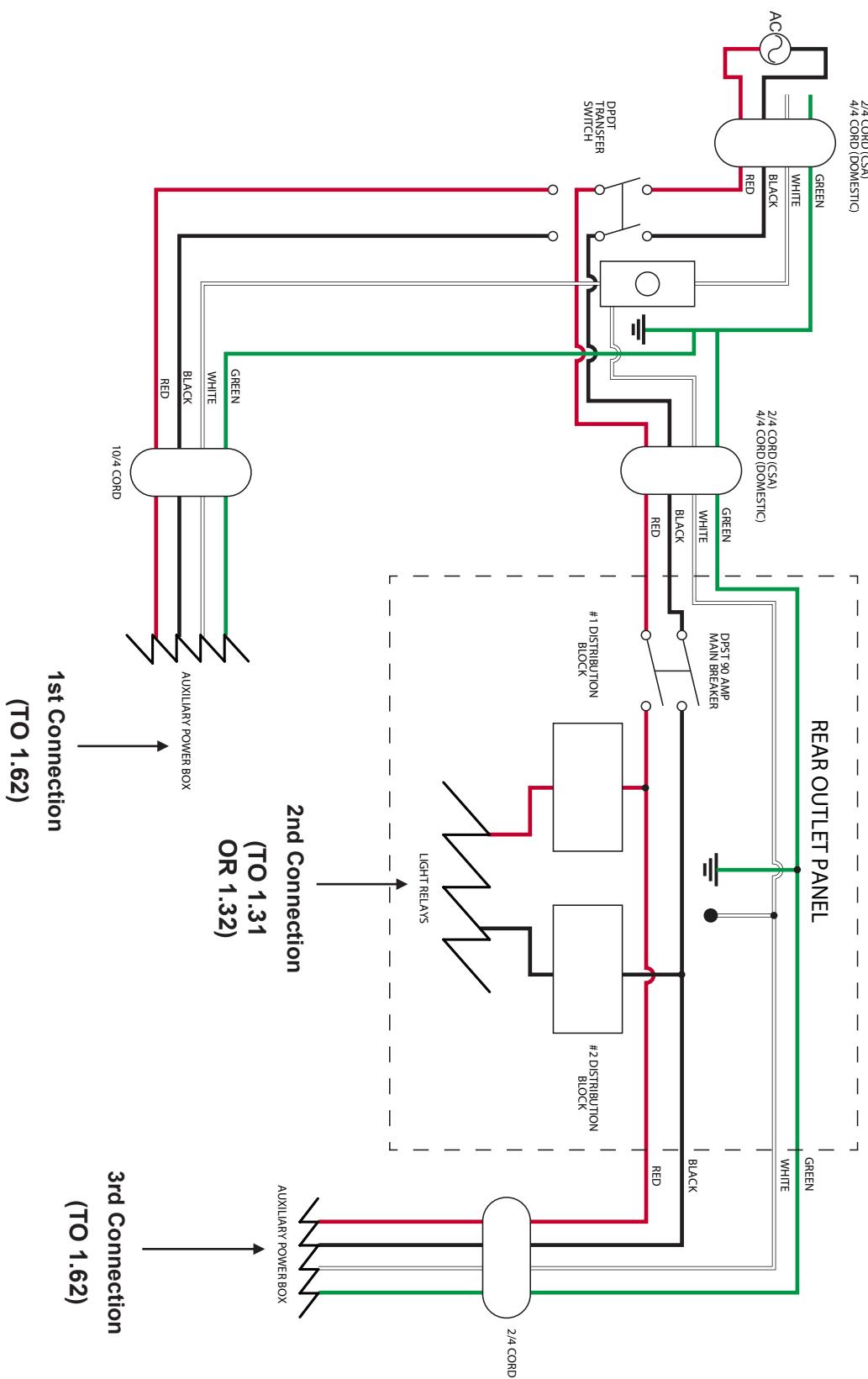
1.66 - 50Hz Aux Outlet Disconnect Box Schematic

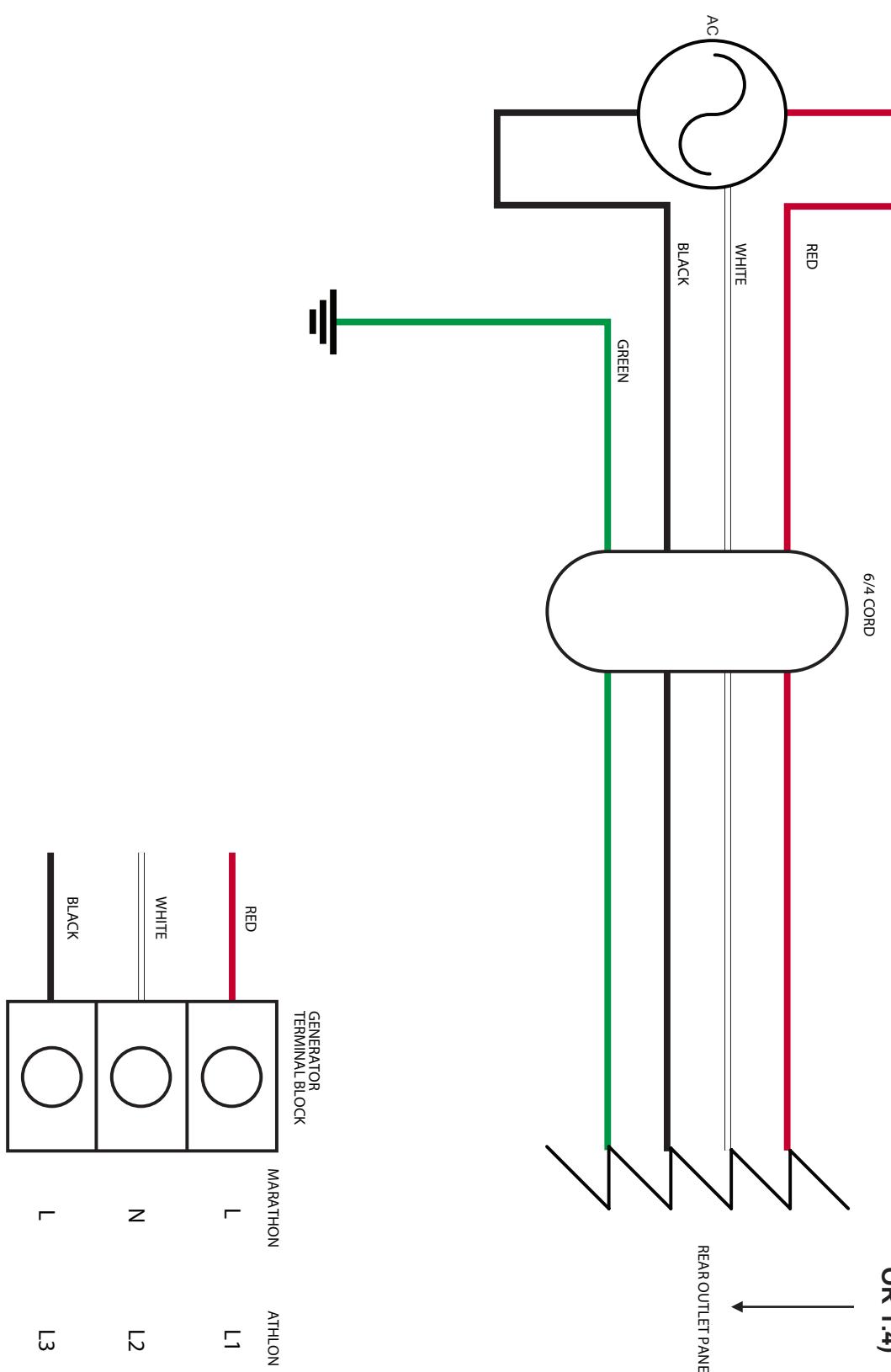
1st Connection
(TO 1.59)



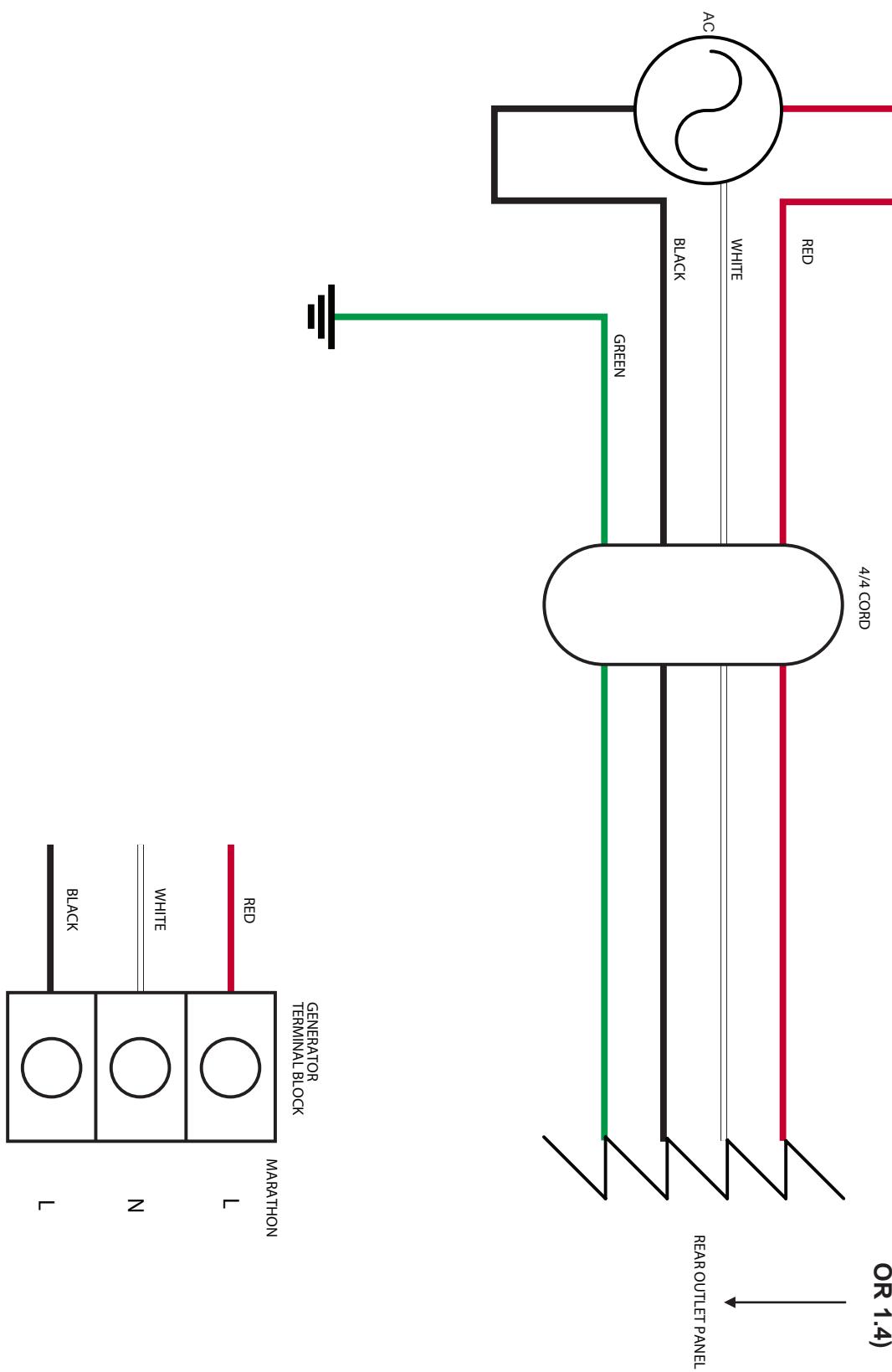
1.67 - 20kW 1P Transfer Switch Schematic

105303_A



1.68 - 8kW 1P Marathon/Athlon Schematic

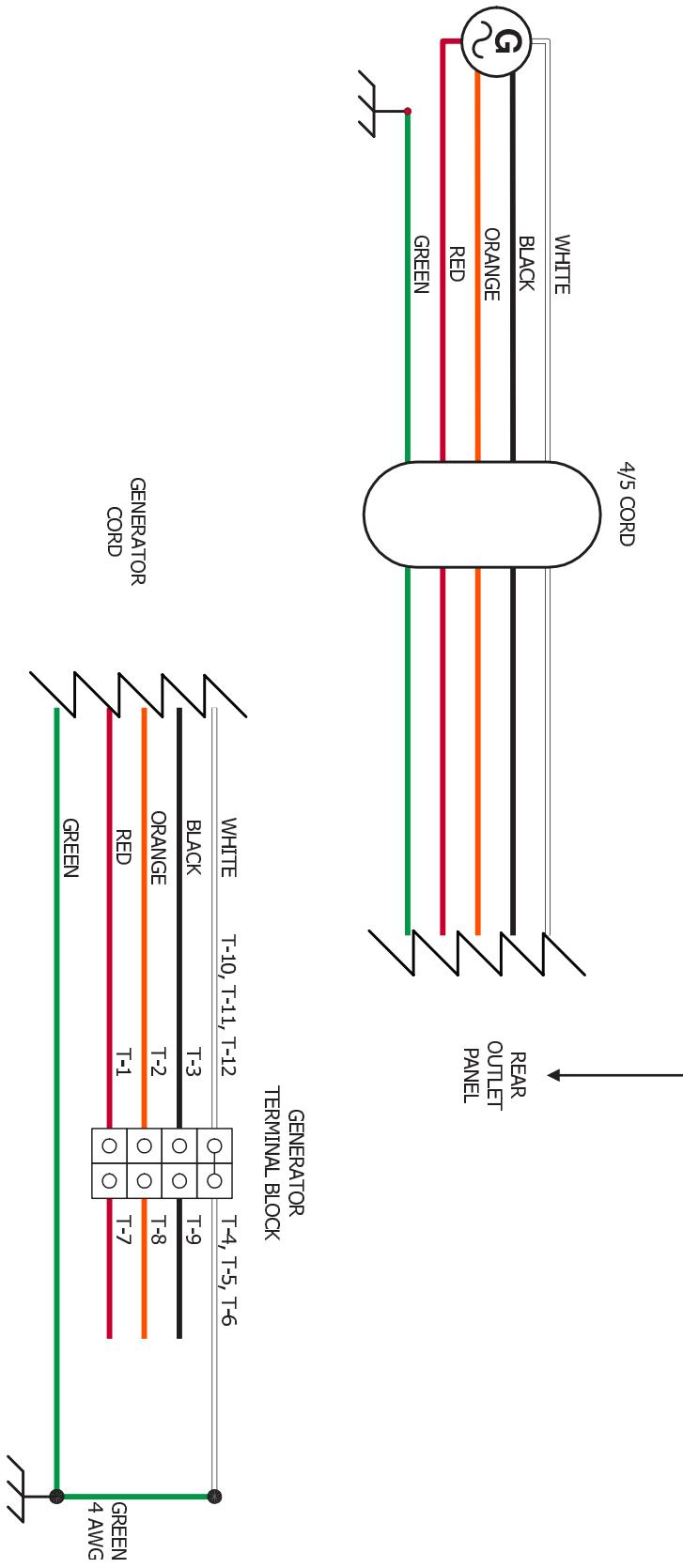
1.69 - 4/4 Cord 240 L-L CAT C1.5 Schematic

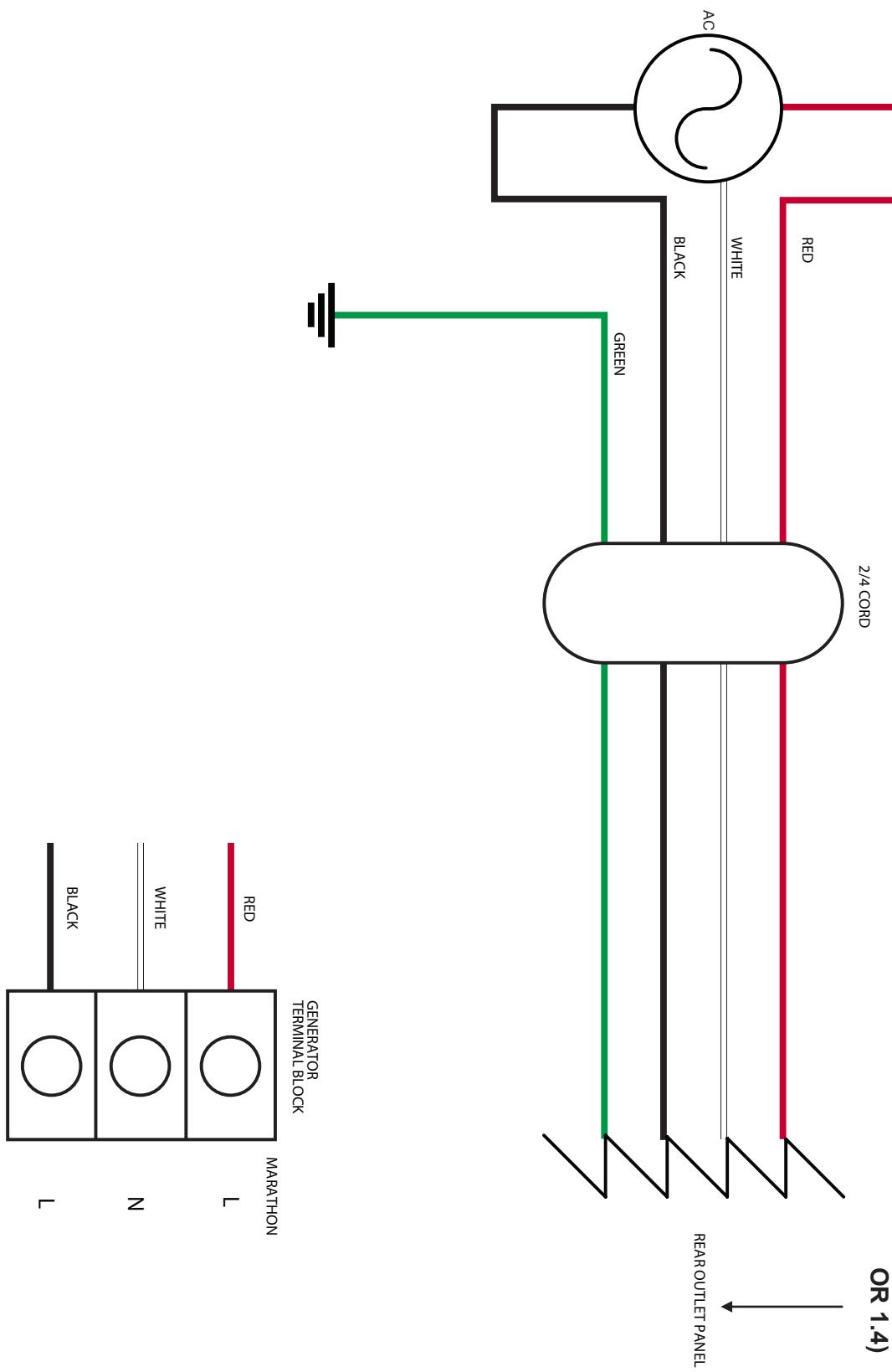


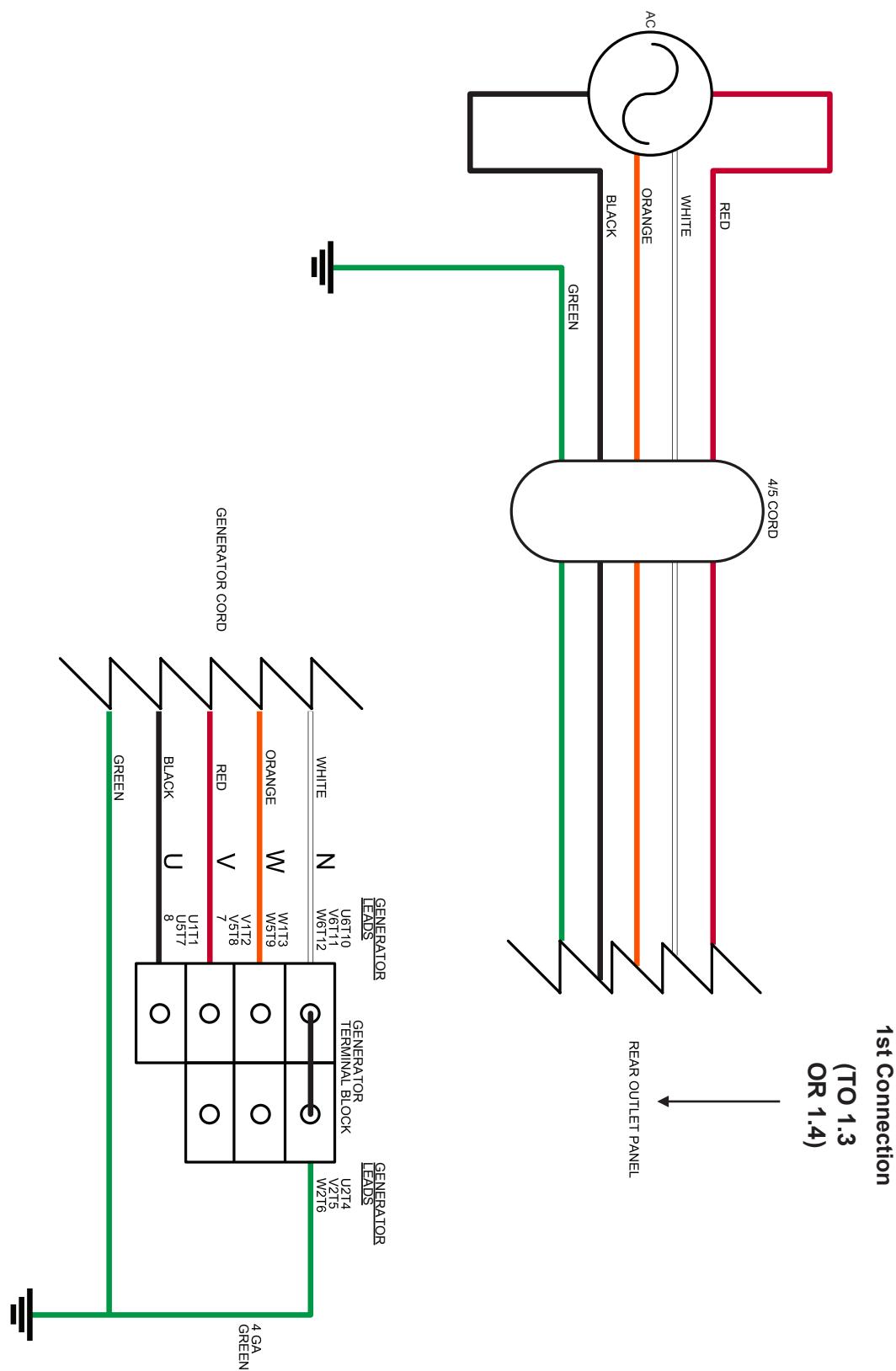
1.70 - 3P CAT C1.5T Schematic

1st Connection
(TO 1.3
OR 1.4)

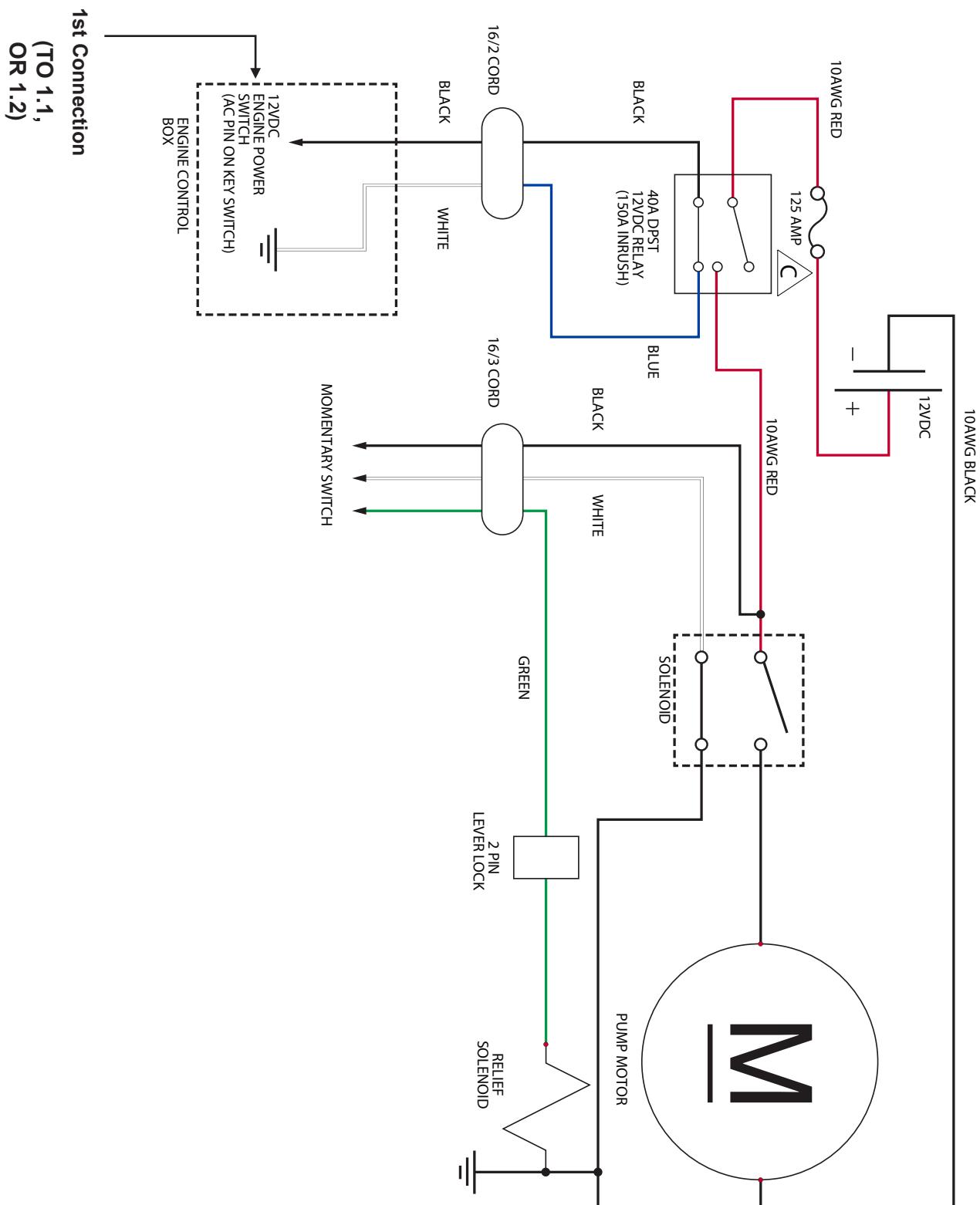
106555_A



1.71 - 20kW 1P Marathon Schematic

1.72 - 20kW 3P 208V 60Hz Cummins Schematic

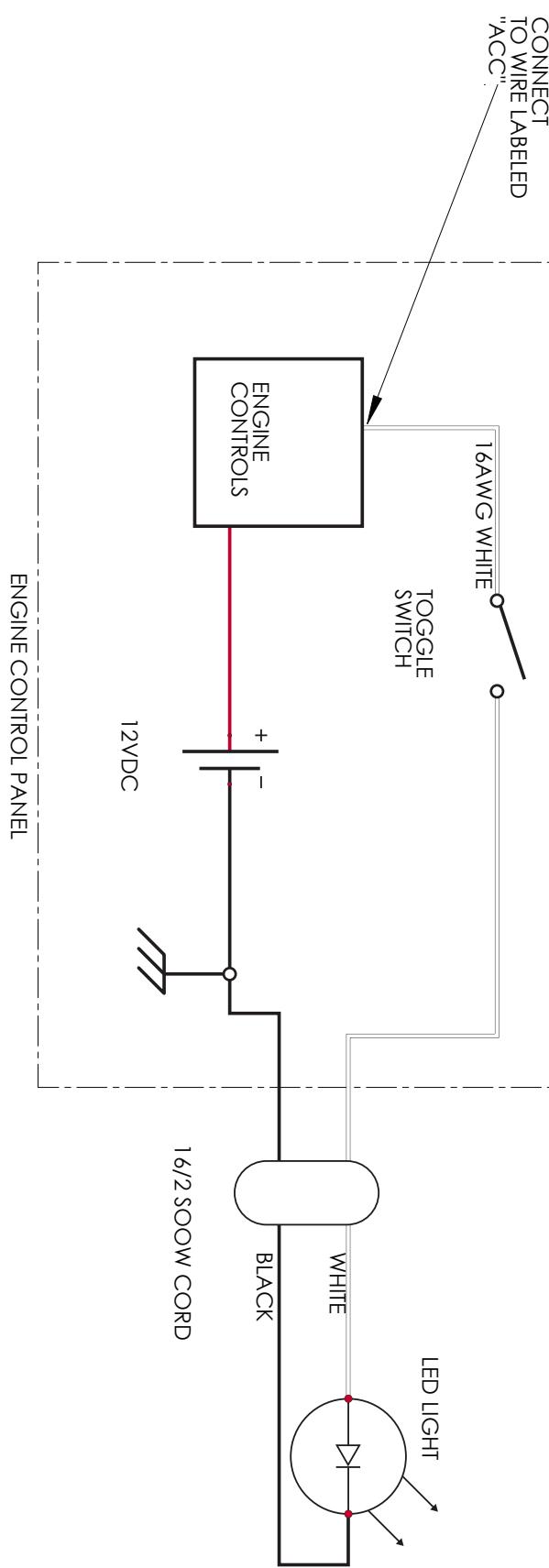
1.73 - Hydraulic Vertical Pump w/Key Switch Relay Schematic



105296_A

1.74 - Interior Work Light Schematic1st Connection
(TO 1.1,
OR 1.2)

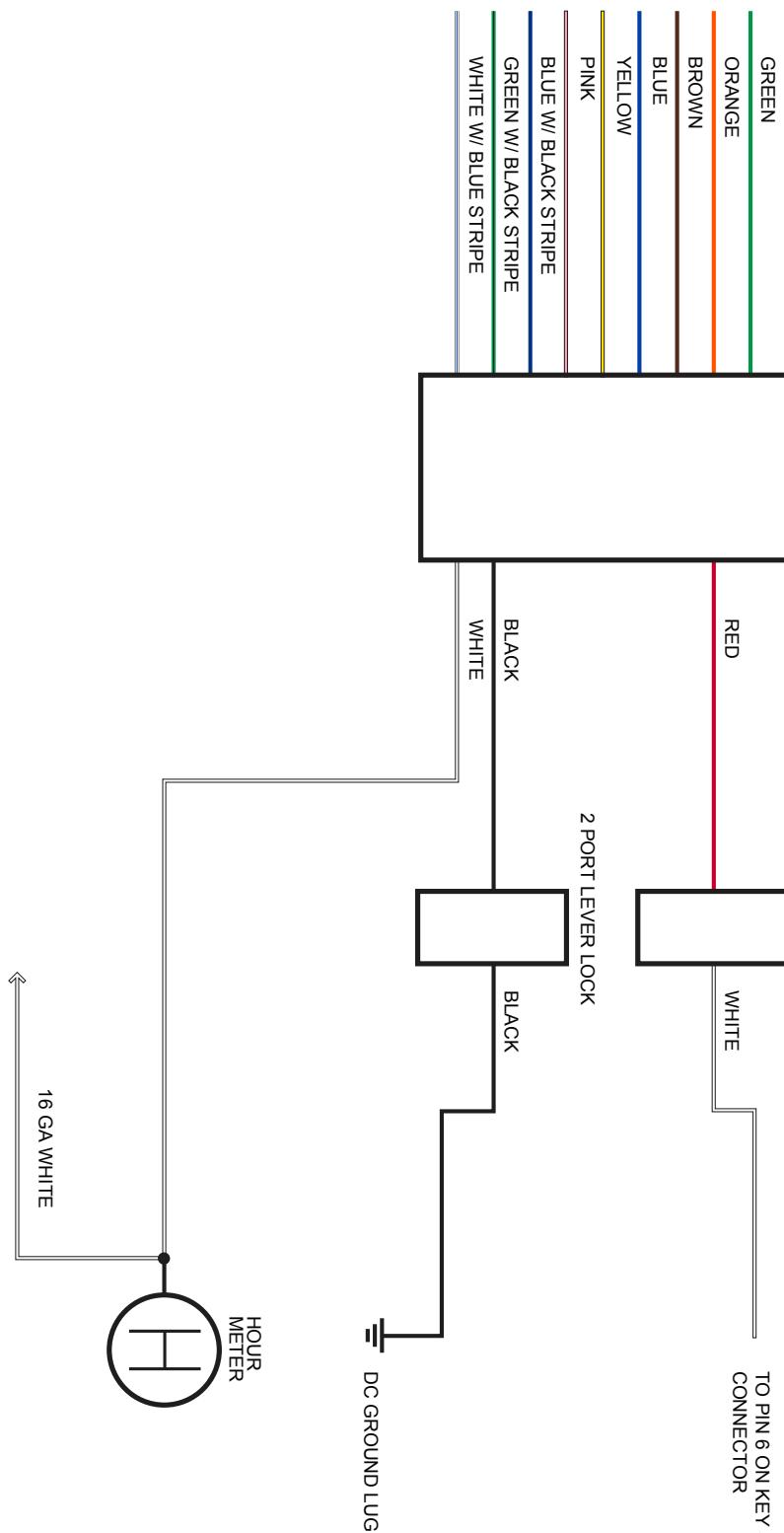
105896_A



1.75 - GPS ZTR System Schematic

1st Connection
(TO 1.1)

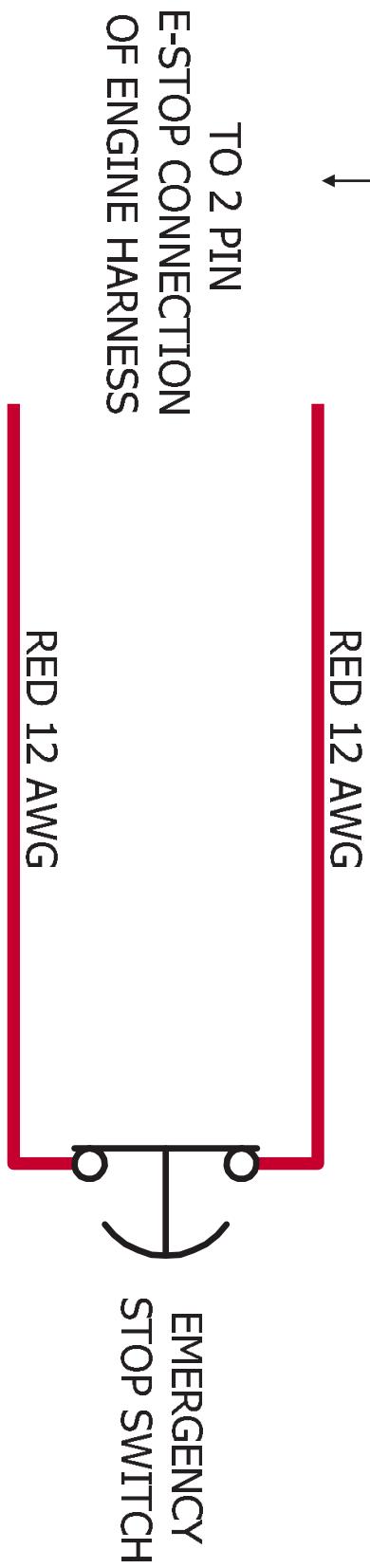
105345_A



1.76 - Emergency Stop Schematic

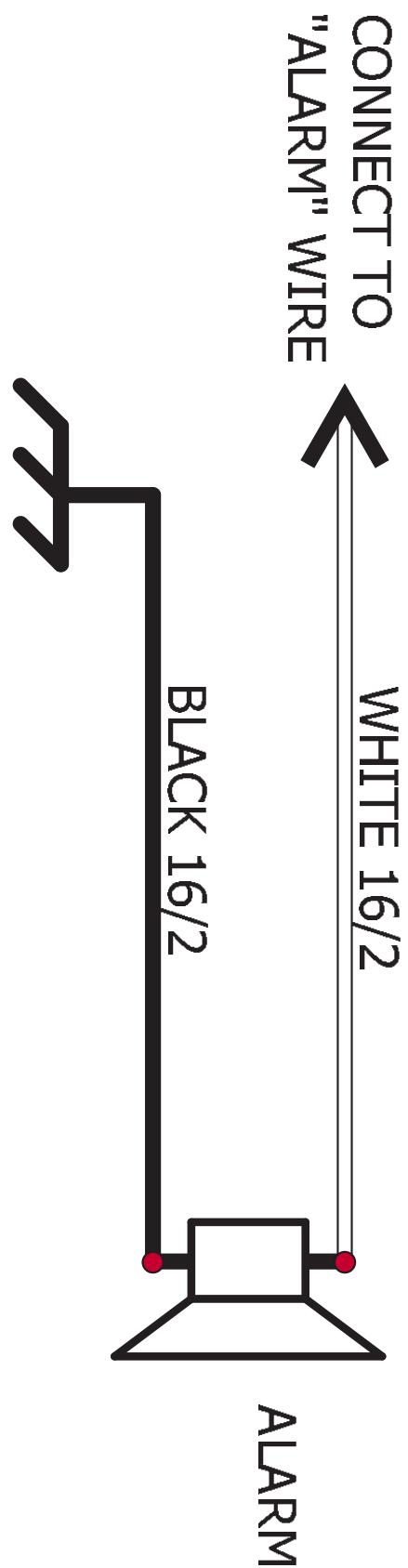
105903_A

1st Connection
(TO 1.5, 1.7, 1.8
1.9, 1.10, 1.11,
1.13, 1.14, 1.15,
OR 1.16)



1.77 - 102 Decibel Alarm Schematic

1st Connection
(TO 1.2)

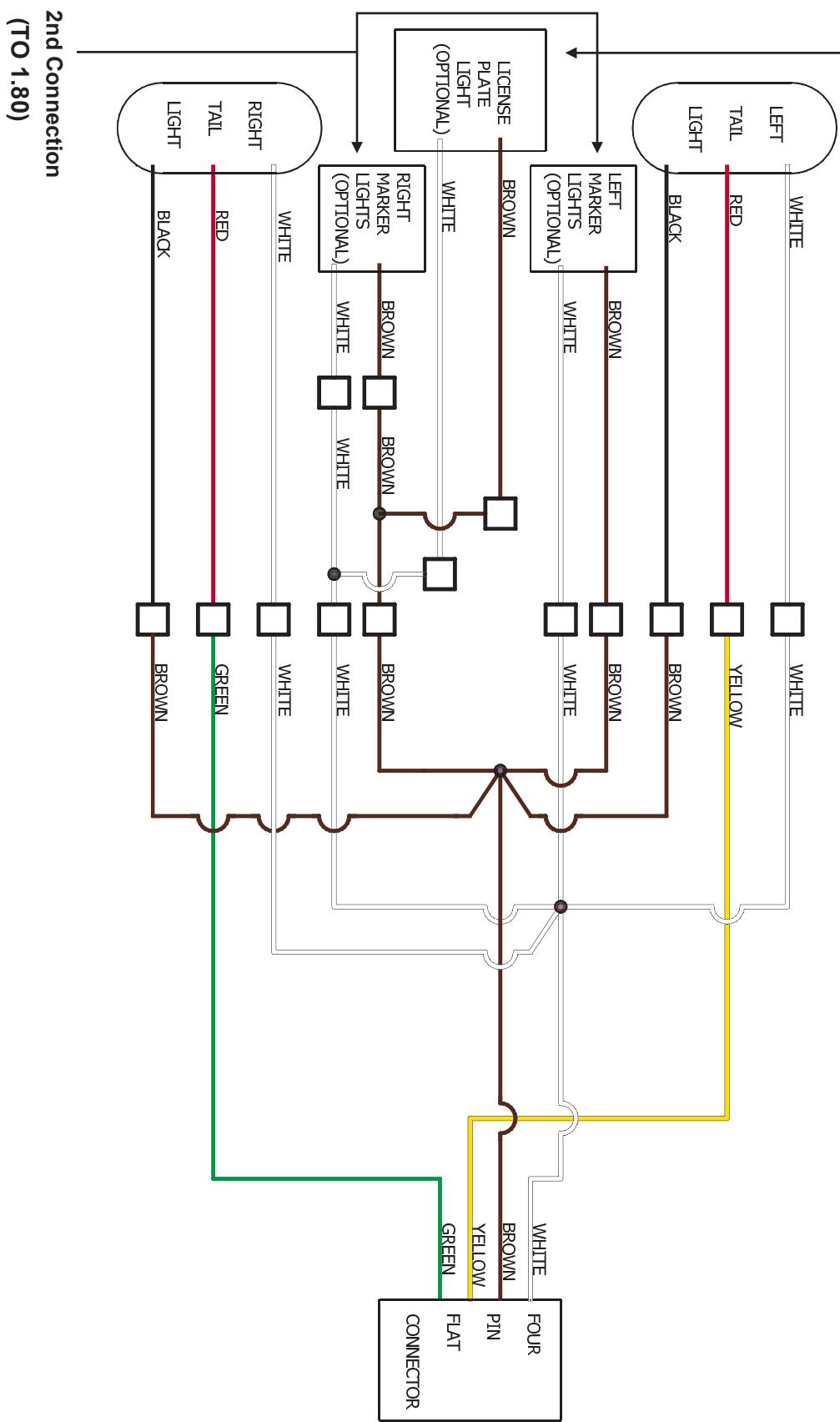


108035_A

1.78 - Tail Light Schematic

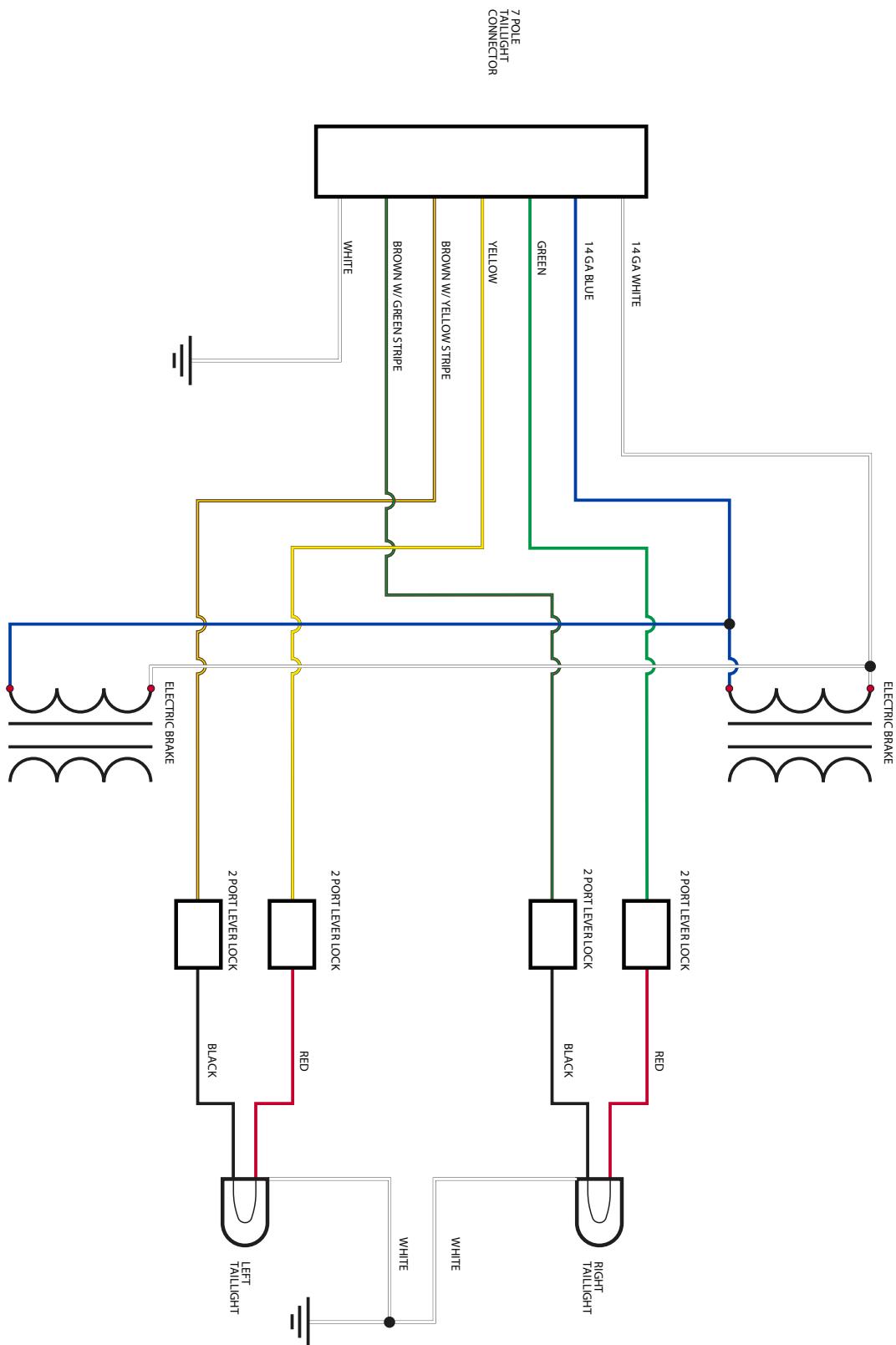
1st Connection
(TO 1.81
OR 1.82)

107266_A

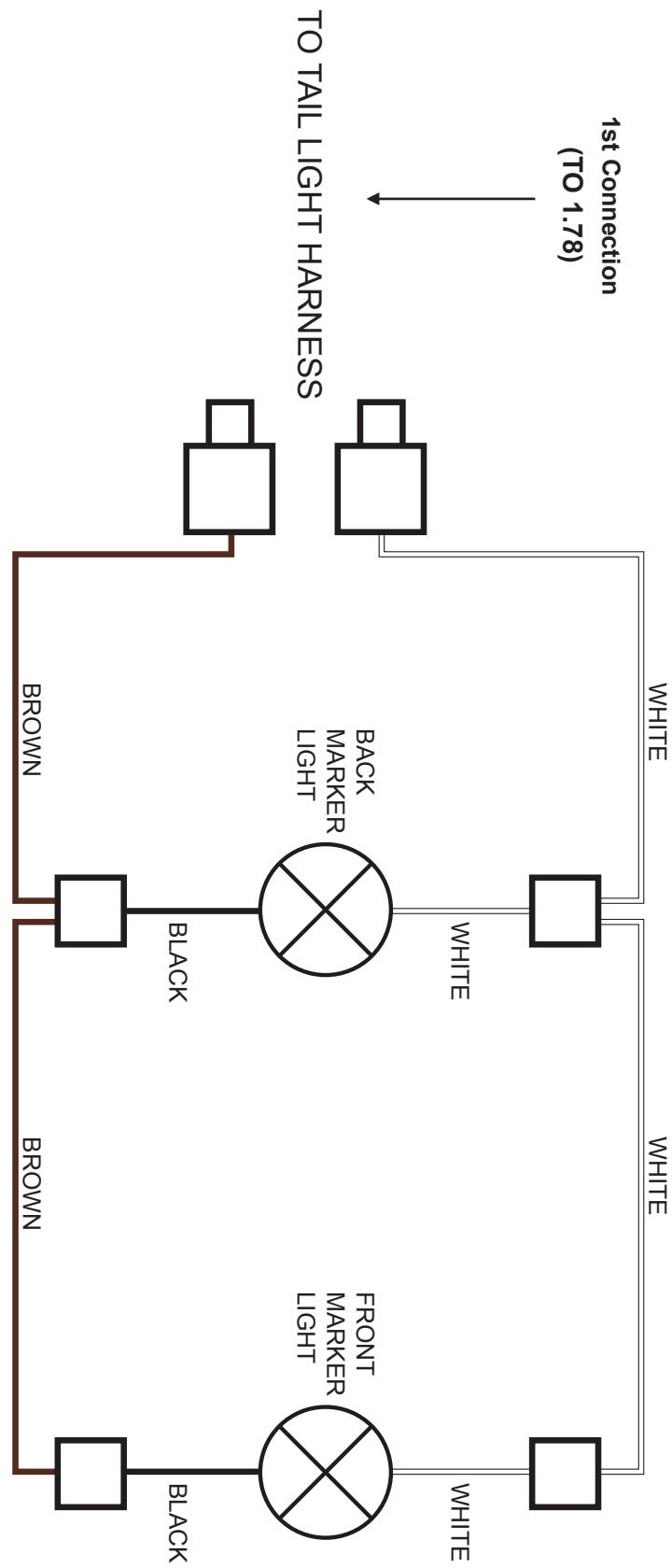


2nd Connection
(TO 1.80)

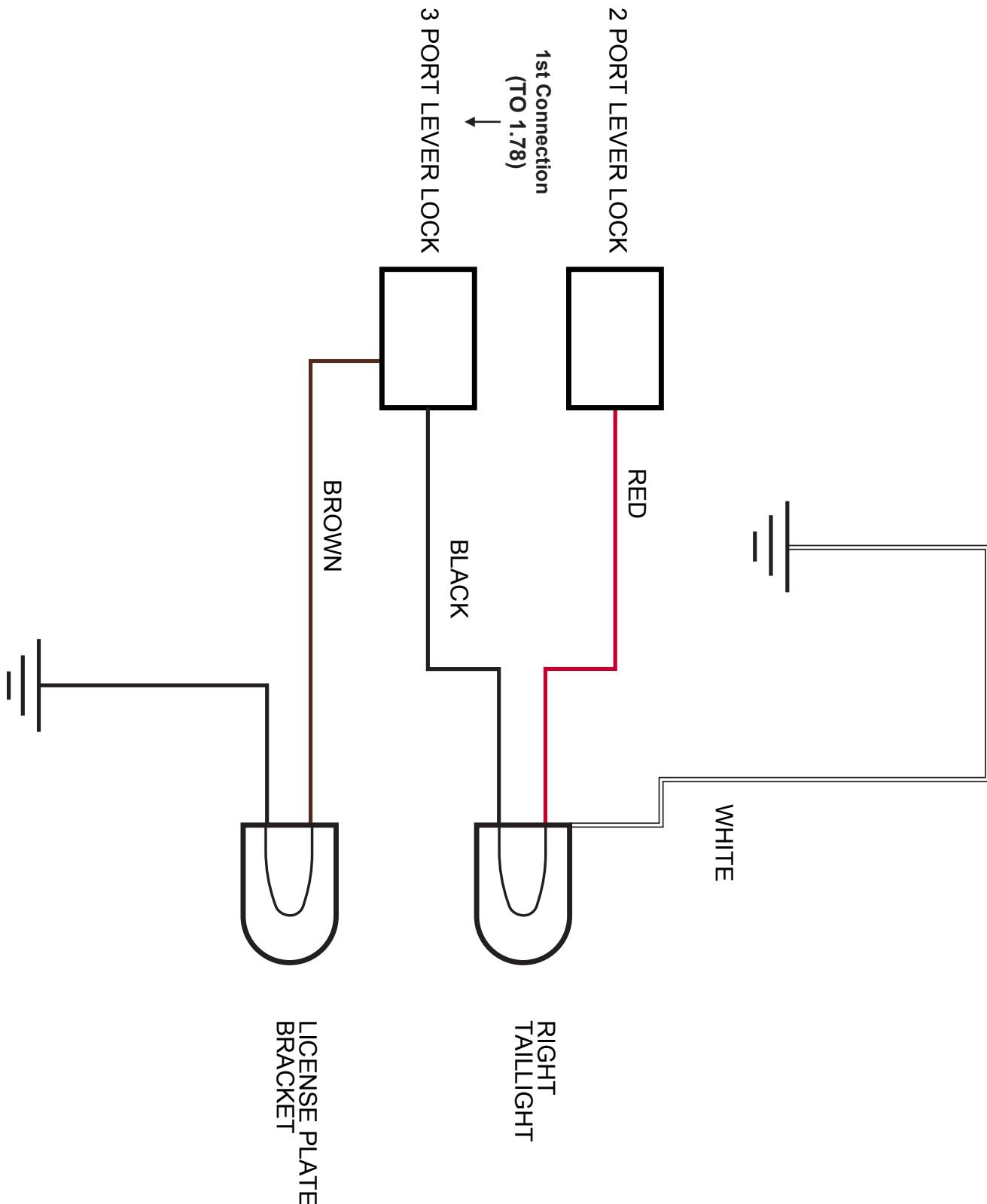
1.79 - Electrical Brake Tail Light Schematic



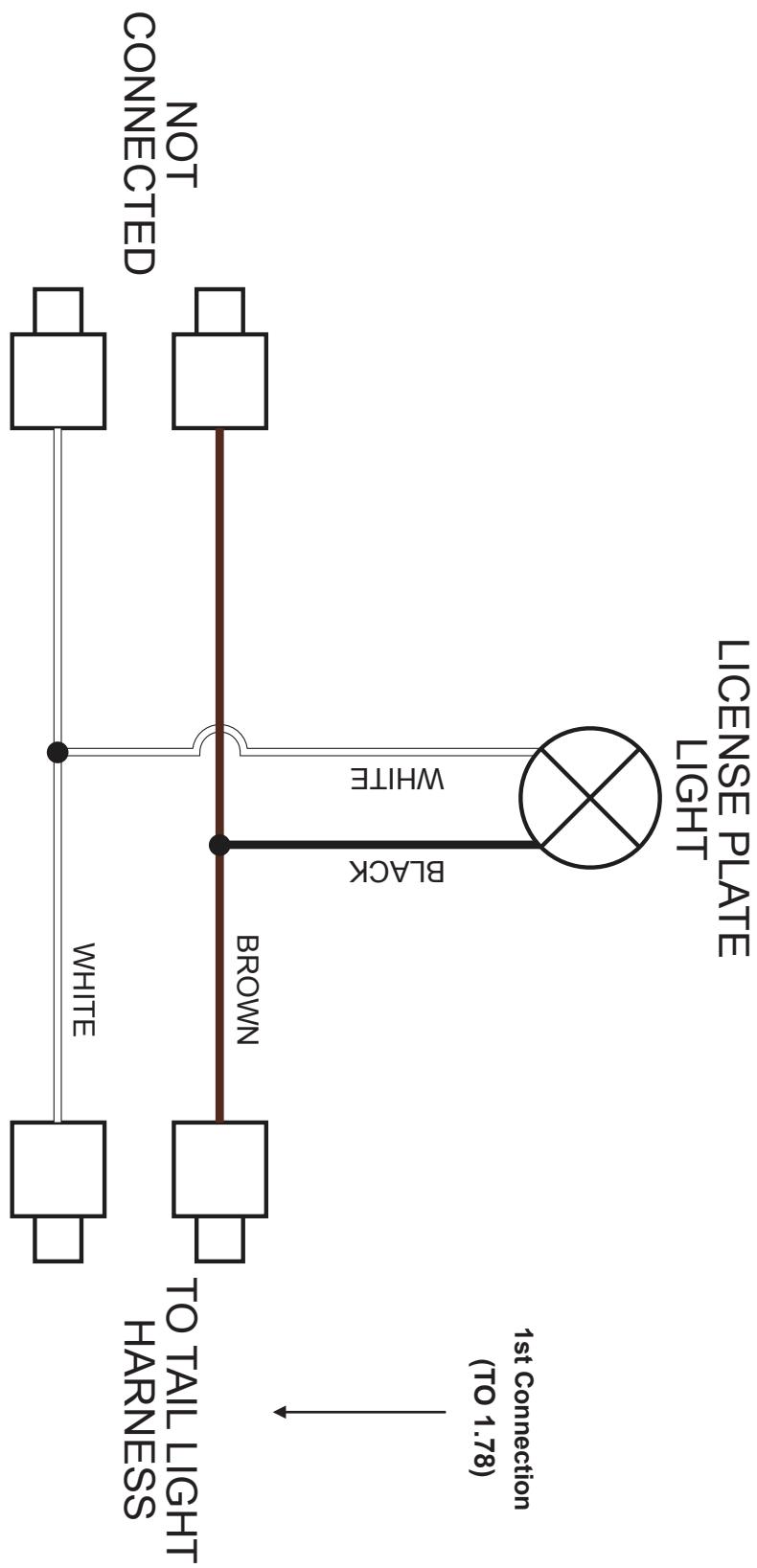
105298_A

1.80 - Marker Lights Schematic

107267_A

1.81 - License Plate Light Schematic

105299_A

1.82 - License Plate LED Light Schematic

Allmand™

BRIGHTER. WARMER. SAFER.

Allmand Bros., Inc.
1502 West 4th Avenue
Holdrege, NE 68949
phone: (308) 995-4495 • toll free: (800) 562-1373
fax: (308) 995-5887

www.allmand.com



Reliability, performance, and integrity since 1938

13-0267