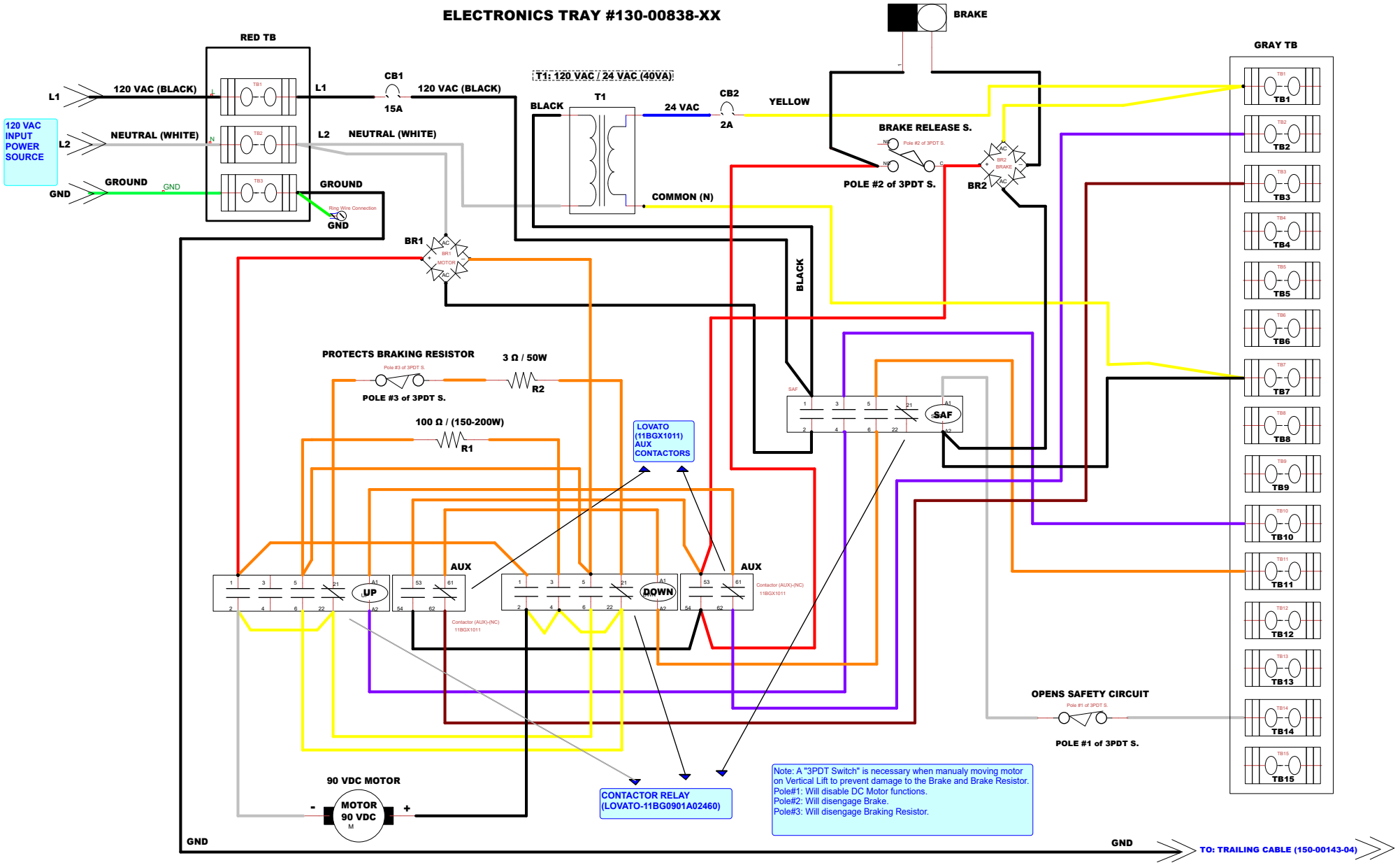
REVISION HISTORY					
REV	DESCRIPTION	AUTHOR	CHECKED	APPROVD	DATE
REV-A	INITIAL RELEASE: ECO-008153	CMP	CP	AS	5-03-2023
REV-B	SCHEMATICS CORRECTION; AS BUILT DRAWING: ECO-009133	CMP	DM	AS	11-MAR-2024

VPL400-X

Title: VPL400-X TITLE BLOCK	Harmar	
Author: CARLOS M. PEÑA, HARMAR MOBILITY LLC	VPL400-X TITLE BLOCK	
File: C:\Users\ca ... VPL400-X Rev-B (Official).dsn		Document: 650-00010
Revision: B	Date: 11-MAR-2024	Sheets: 1 of 6

ELECTRONICS TRAY #130-00838-XX



Contactor Relay (WEG-CWC016-01-30V04)
UP/DOWN/SAF

Contactor (AUX-NC), BFCO-02

Note: FOR (WEG) AUX CONTACTORS See Drawing Numbers: 16002, 16154.

Contactor Relay (Lovato-11BG0901A02460)
UP/DOWN/SAF

Contactor (AUX-NC), 11BGX1011

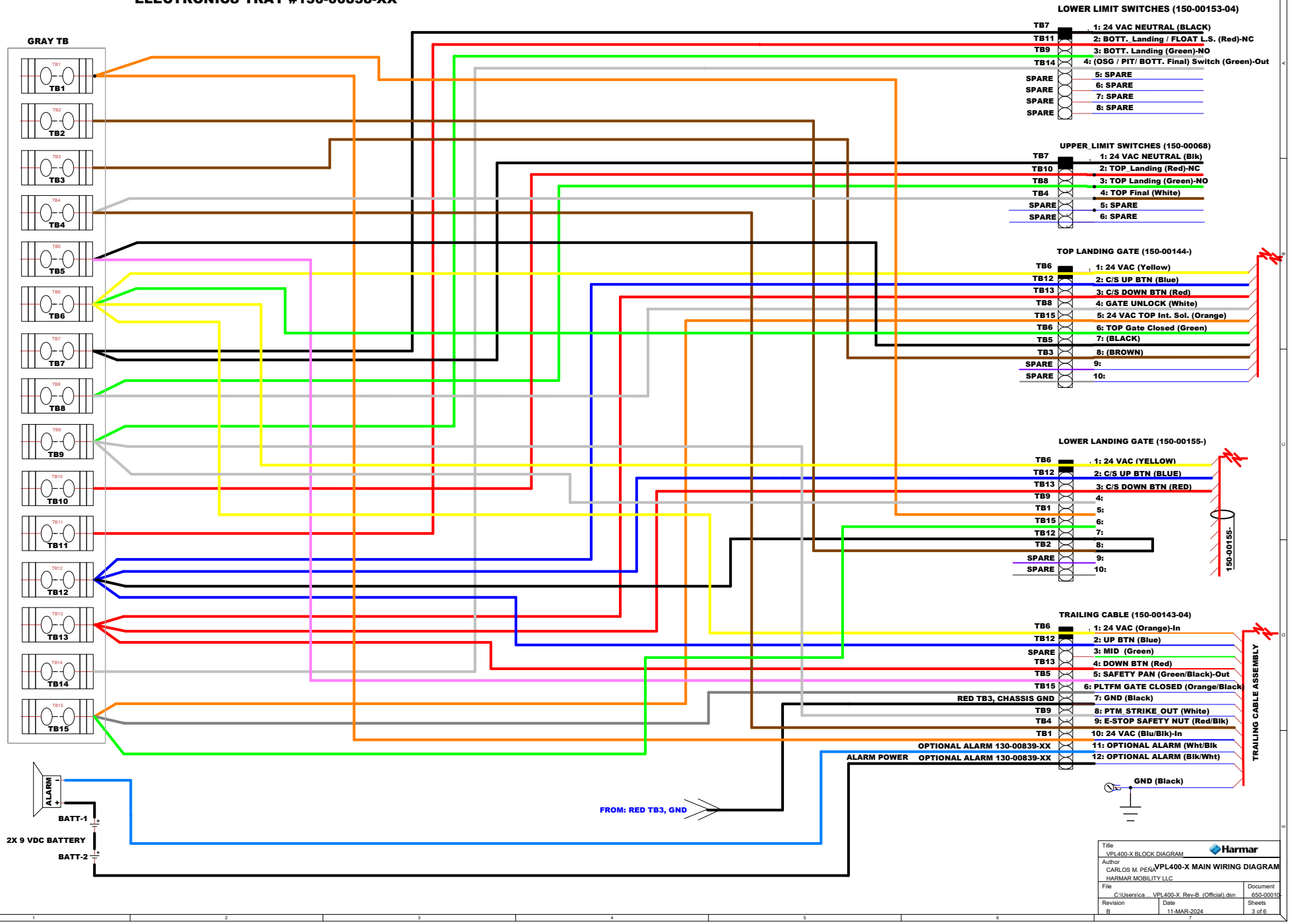
90 VDC MOTOR

MOTOR - - + + MOTOR

NOTE: Motor is not included with Electronic Tray #130-00838-XX

Title	VPL400-X BLOCK DIAGRAM	Harmar
Author	CARLOS M. PEÑA HARMAR MOBILITY LLC	VPL400-X MAIN WIRING DIAGRAM-1
File	C:\Users\ca ... VPL400-X Rev-B (Official).dsn	Document 650-00010
Revision	B	Date 11-MAR-2024
		Sheets 2 of 6

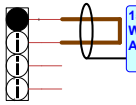
ELECTRONICS TRAY #130-00838-XX



Title	VPL400-X BLOCK DIAGRAM
Author	CARLOS M. PEÑA HARMAR MOBILITY LLC
	VPL400-X MAIN WIRING DIAGRAM
File	C:\Users\ca ... VPL400-X Rev-B (Official).dsn
Document	650-00010
Revision	B
Date	11-MAR-2024
Sheets	3 of 6

INSTALLATION JUMPERS

PLATFORM GATE JUMPER
150-00116-



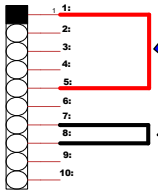
150-00116: USE WITH (OPTIONAL AUTO RAMP) ONLY

SAFETY PAN JUMPER
150-00140-



Note: REMOVE AFTER INSTALL

NO LOWER LANDING CALL/SEND
150-00163-



Note: CUT WIRE AFTER INSTALL.

Note: DO NOT CUT WIRE

150-00144-
TOP LANDING GATE

TB6
TB12
TB13
TB8
TB15
TB6
TB5
TB3
SPARE
SPARE

1: 24 VAC (YELLOW)
2: C/S UP BTN (BLUE)
3: C/S DOWN BTN (RED)
4: GATE UNLOCK (WHITE)
5: 24 VAC TOP INT. SOL. (ORANGE)
6: TOP GATE CLOSED (GREEN)
7: (BLACK)
8: (BROWN)
9:
10:

150-00144-

BUTT CONNECTORS

1: 24 VAC (YELLOW)
2: C/S UP BTN (BLUE)
3: C/S DOWN BTN (RED)
4: UNLOCK CMD (WHITE)
5: 24 VAC COMM. (ORANGE)
6: GATE CLOSED/LOCKED (GREEN)
7: GND (BLACK)
8: GATE LOCKED (BROWN)

UPPER LANDING GATE

BLUE
YELLOW
RED

GATE CALL SEND (HRNS #44012)
ROCKER SWITCH
OPT. KEY SWITCH
150-00104
OPTIONAL

130-00817

WHITE
RED
GREEN/YELLOW
BLACK

GATE INTERLOCK: 130-00817
TOP GATE
A
B
C
D
SOLENOID CONTROL
DOOR CLOSED
DOOR LOCKED
BR
Rly Coil

150-00155-
LOWER LANDING CALL/SEND

TB6
TB12
TB13
TB9
TB1
TB15
TB12
TB2
SPARE
SPARE

1: 24 VAC (WHITE)
2: C/S UP BTN (GREEN)
3: C/S DOWN BTN (RED)
4:
5:
6:
7: (BLACK)
8:
9:
10:

Note: USE 150-00155- CABLE IF LOWER LANDING CALL/SEND/ IS INSTALLED.

USE 150-00163- JUMPER IF LOWER CALL/SEND IS NOT USED.

CUT RED JUMPER WIRE AFTER INSTALL.

150-00155- OR 150-00163-

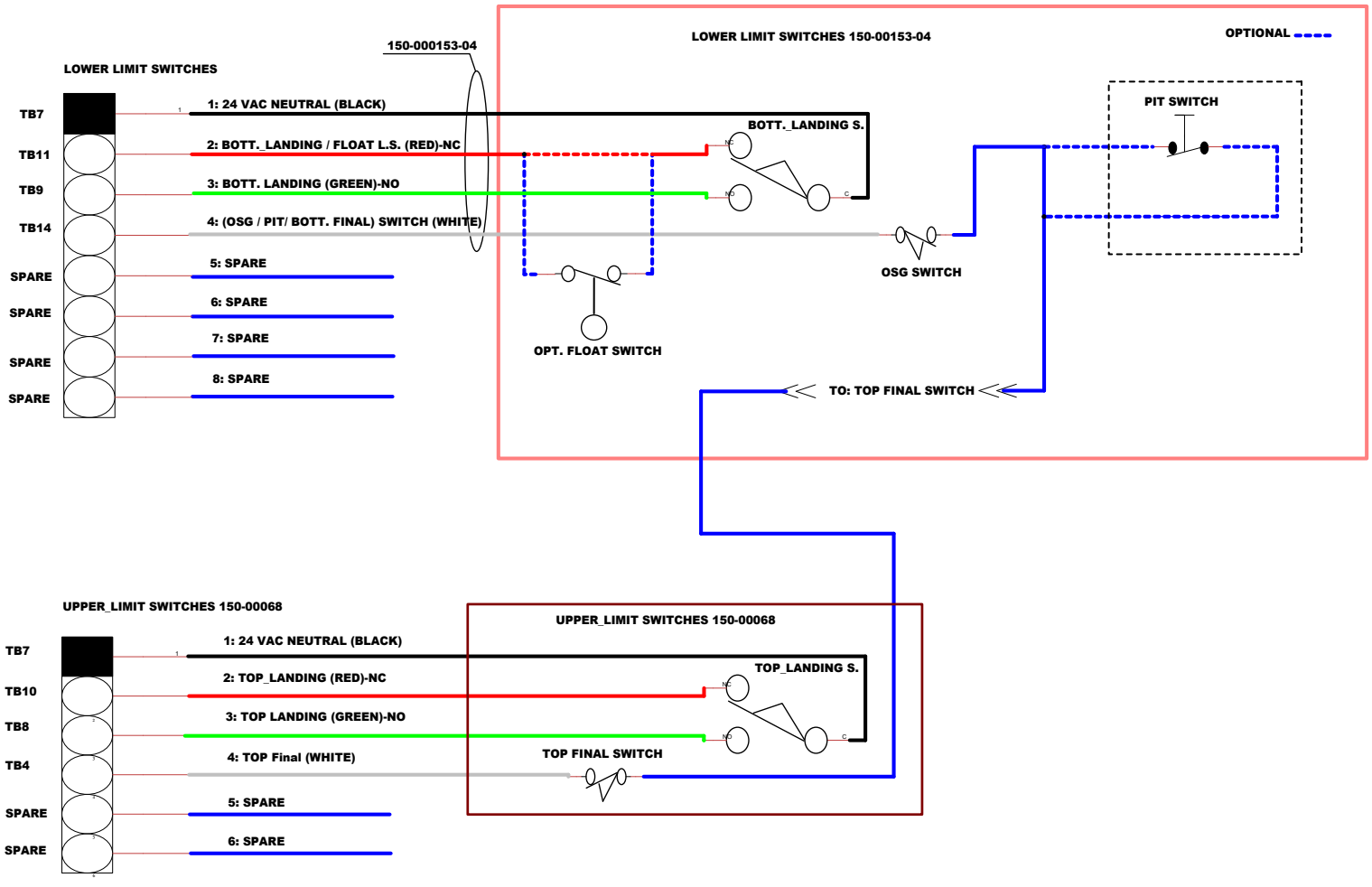
BUTT CONNECTORS

1: 24 VAC (YELLOW)
2: C/S UP BTN (BLUE)
3: C/S DOWN BTN (RED)

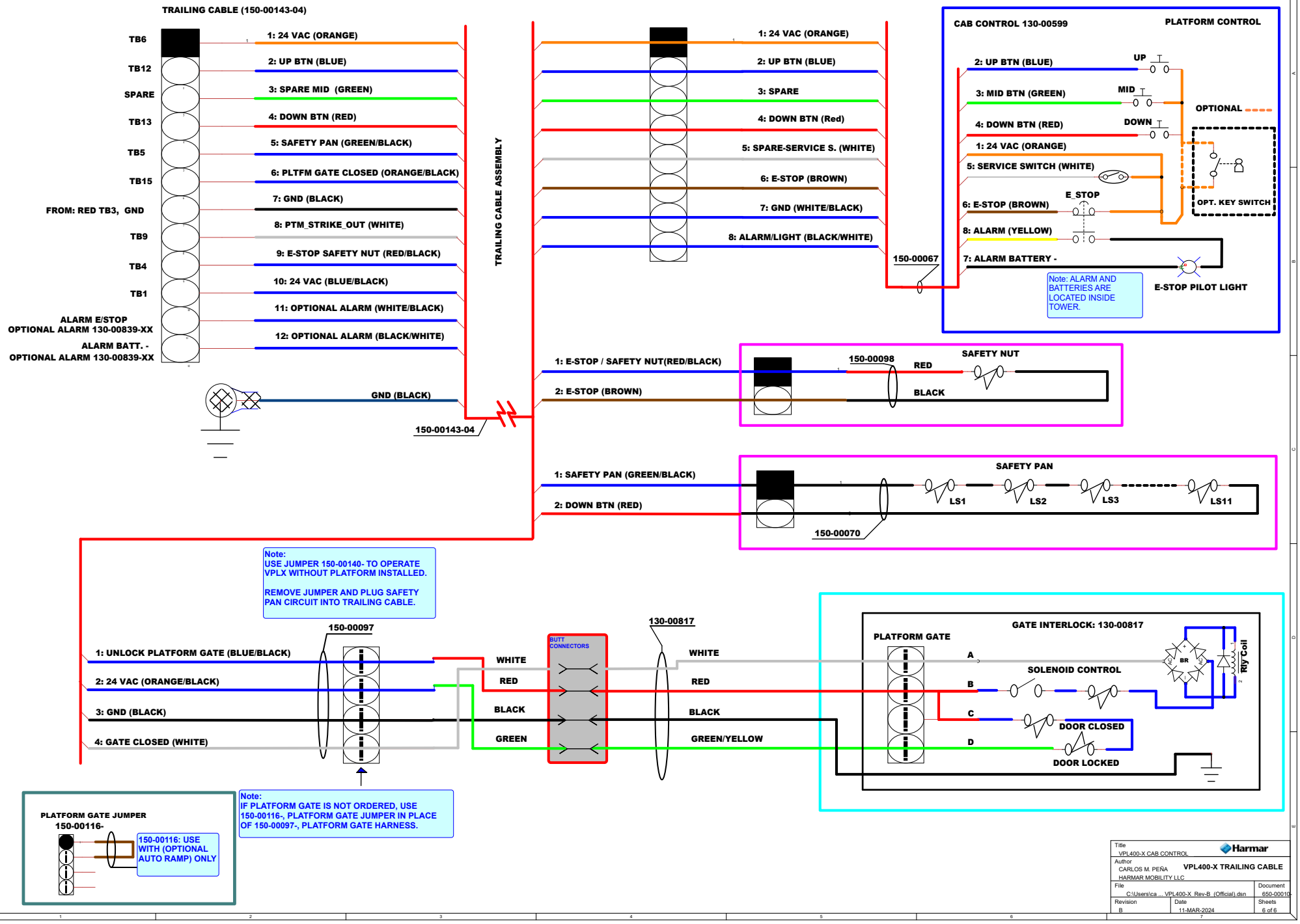
BLUE
YELLOW
RED

GATE CALL SEND (HRNS #44012)
ROCKER SWITCH
OPT. KEY SWITCH
150-00104
OPTIONAL

Title	VPL400-X CAB CONTROL
Author	CARLOS M. PEÑA HARMAR MOBILITY LLC
	VPL400-X LANDINGS
File	C:\Users\ca ... VPL400-X Rev-B (Official).dsn
Document	650-00010
Revision	B
Date	11-MAR-2024
Sheets	4 of 6



Title: VPL400-X CAB CONTROL	Harmar	
Author: CARLOS M. PEÑA, HARMAR MOBILITY LLC	VPL400-X LIMIT SWITCHES	
File: C:\Users\ca ... VPL400-X Rev-B (Official).dsn		Document: 650-00010
Revision: B	Date: 11-MAR-2024	Sheets: 5 of 6



Title	VPL400-X CAB CONTROL
Author	CARLOS M. PEÑA HARMAR MOBILITY LLC
	VPL400-X TRAILING CABLE
File	C:\Users\ca ... VPL400-X Rev-B (Official).dsn
Document	650-00010
Revision	B
Date	11-MAR-2024
Sheets	6 of 6