

REV	BY	DESCRIPTION	DATE
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01	CJH	Drawing released	5/18/22

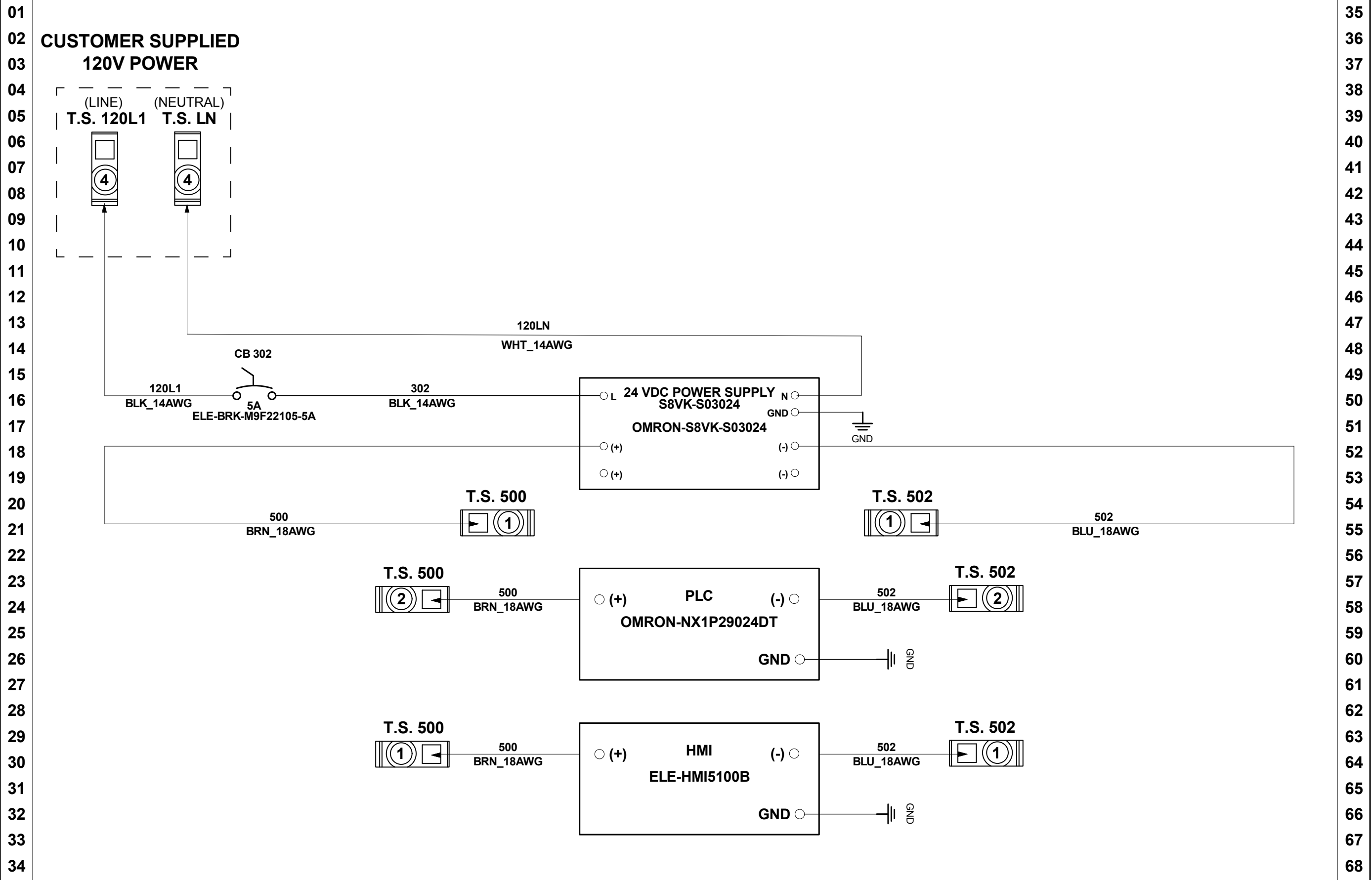
SHIELD
Cable - 3C/18GA

NOTE: REMOVE A FACTORY JUMPER AND RUN EN1, EN2, AND PLC WIRE TO TERMINAL STRIP

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INNOVATE IT

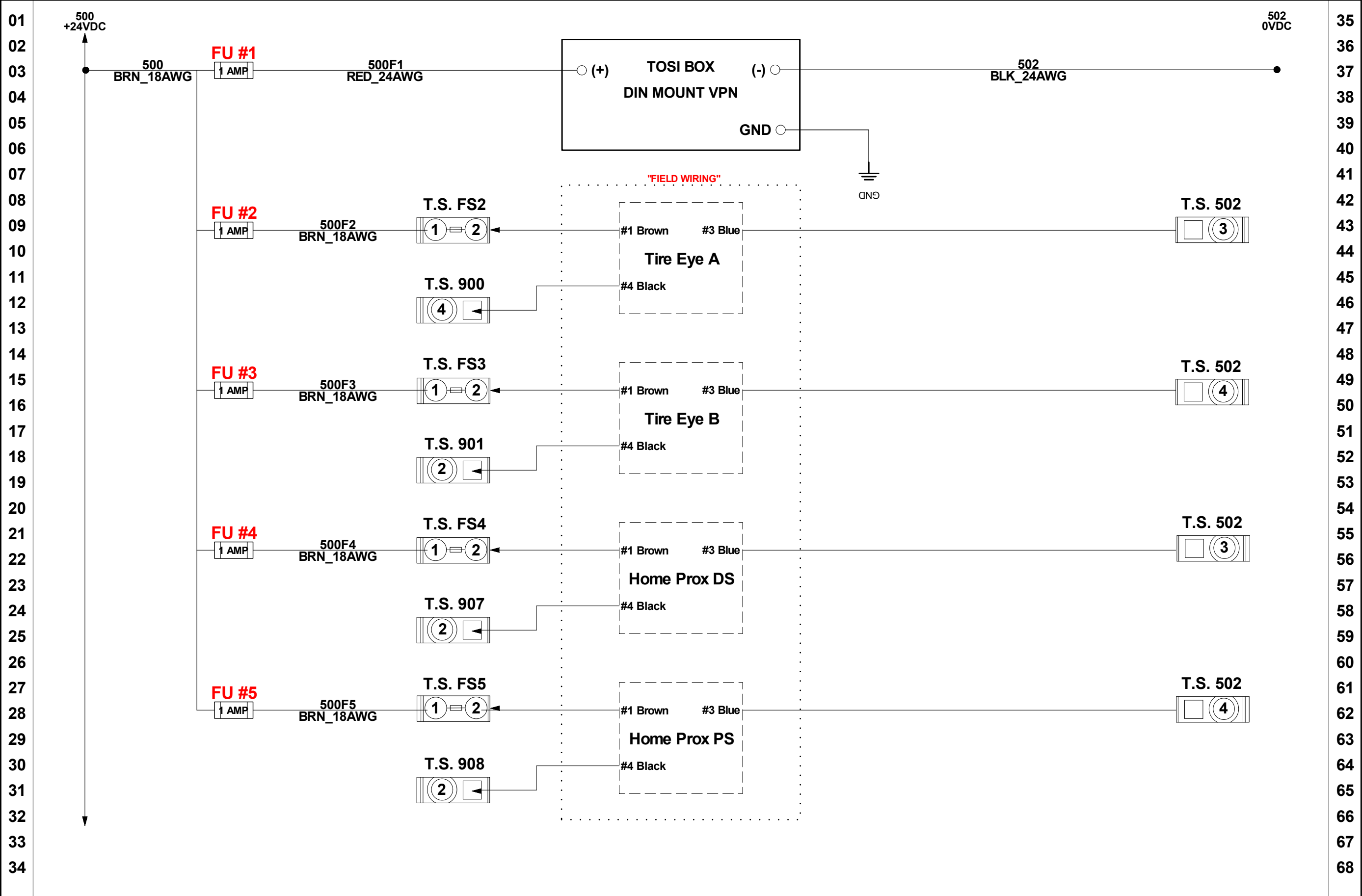
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APPROVALS	DATE	INNOVATE IT CAR WASH EQUIPMENT	
DRAWN CJH	5/18/22	PROJECT: Wheel Blaster	
CHKD		TITLE: Wheel Blaster VFDs	
APPRVD		DRAWING NO: Wheel Blaster_480-120V_Wiring_ETH_Maple	
ENG. INFO	XXXX	SIZE:	SCALE: NONE
		SHEET: PAGE 1 OF 10	REV: 02



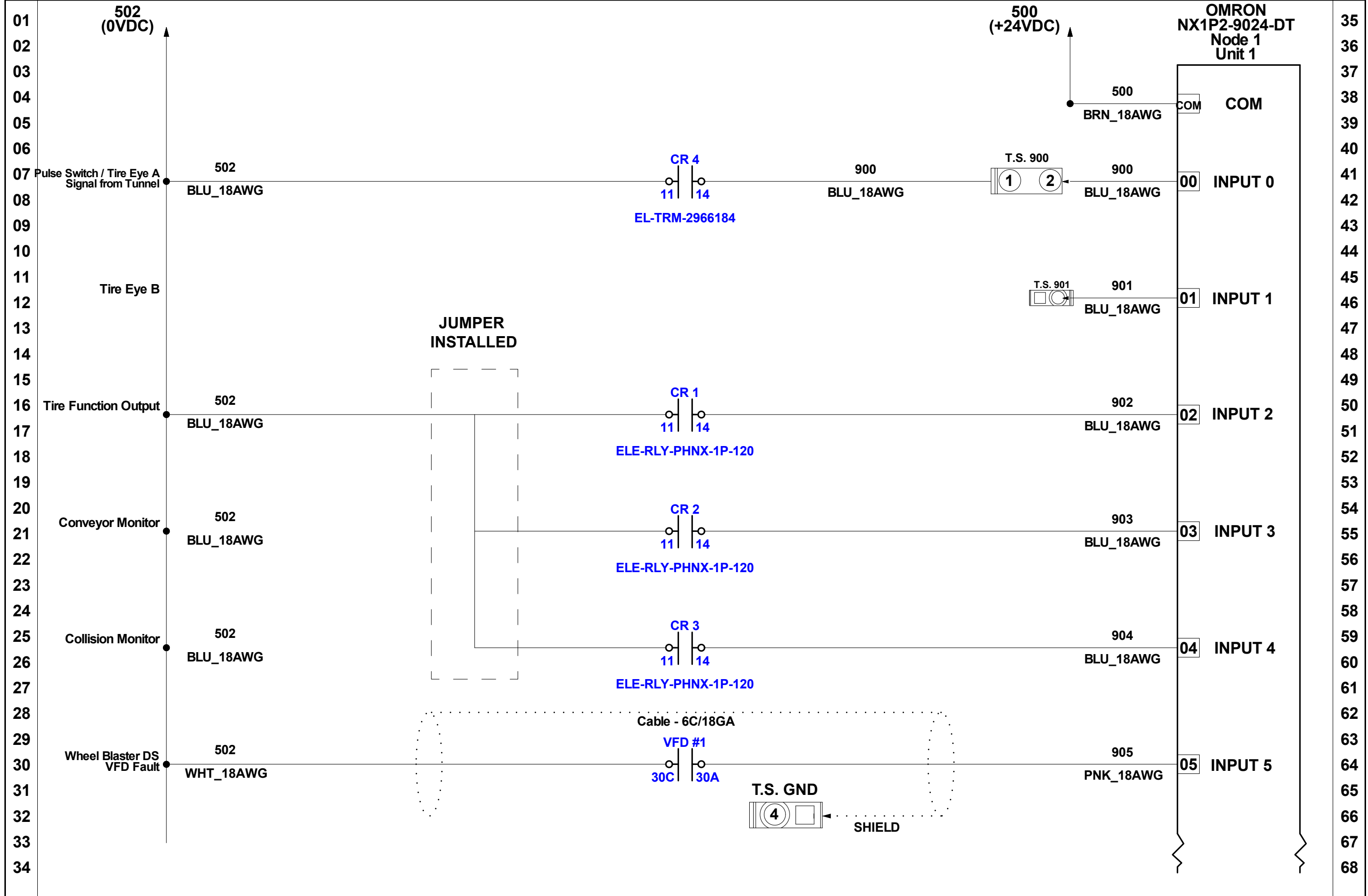
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		ENG. INFO	XXXX	SIZE:	SCALE: NONE
		DO NOT SCALE DWG.		SHEET: PAGE 2 OF 10	REV: 02



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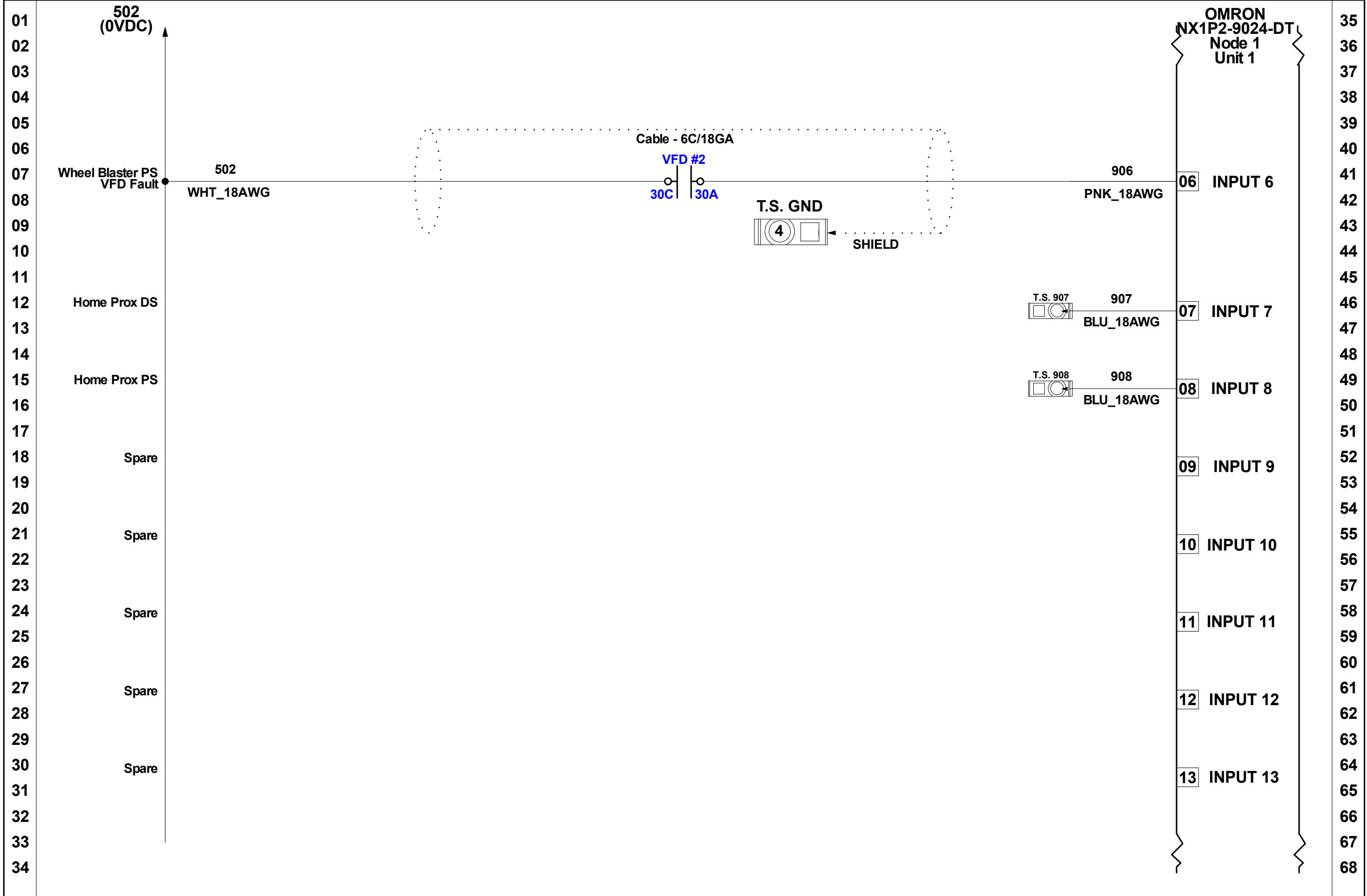
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		CHKD		TITLE: DC Fuse Distribution	
		APPRVD		DRAWING NO: Wheel Blaster_480-120V_Wiring_ETH_Maple	
		ENG. INFO	XXXX	SIZE:	SCALE: NONE
		DO NOT SCALE DWG.		SHEET: PAGE 3 OF 10	REV: 02



Note:
Connect shield wire to ground on PLC side of cable

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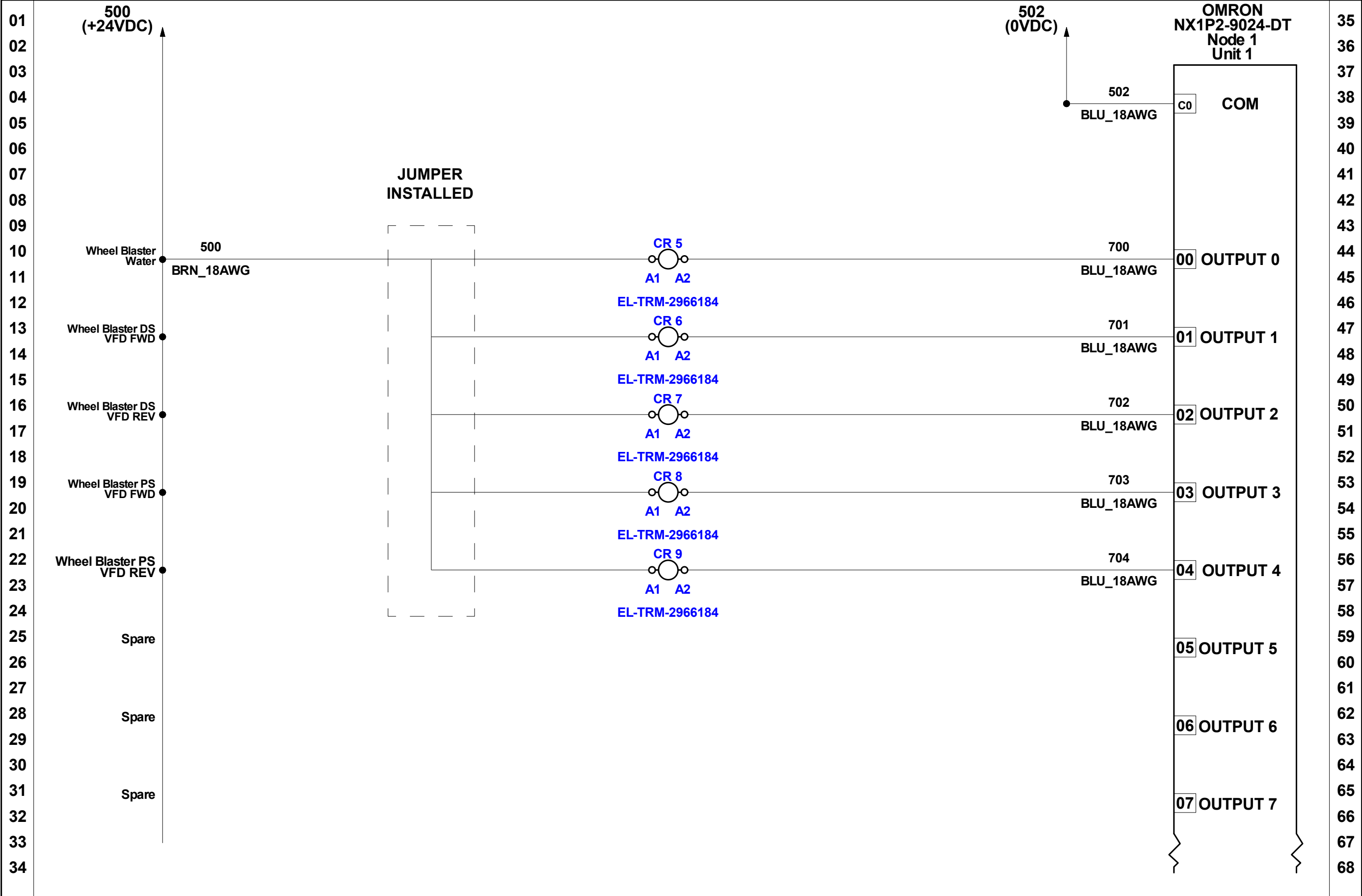
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		CHKD		TITLE: PLC Inputs 0-5	
		APPRVD		DRAWING NO: Wheel Blaster_480-120V_Wiring_ETH_Maple	
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Note:
Connect shield wire to ground on PLC side of cable

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		CHKD		TITLE: PLC Node 1, Unit 1, Inputs 6-13	
		APPRVD		DRAWING NO: Wheel Blaster_480-120V_Wiring_ETH_Maple	
		ENG. INFO	XXXX	SIZE:	SCALE: NONE
		DO NOT SCALE DWG.		SHEET: PAGE 5 OF 10	REV: 02



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CONFIDENTIALITY		APPRVD		TITLE: PLC Node 1, Unit 1, Outputs 0-7
THIS DRAWING MUST NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT THE EXPRESS WRITTEN PERMISSION OF INNOVATE IT CAR WASH EQUIPMENT.		ENG. INFO	XXXX	DRAWING NO: Wheel Blaster_480-120V_Wiring_ETH_Maple
		DO NOT SCALE DWG.		SIZE: SCALE: NONE SHEET: PAGE 6 OF 10 REV: 02

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(24VDCOM)
From 0345

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OMRON
NX1P2-9024-DT
Node 1
Unit 1

08 OUTPUT 8

09 OUTPUT 9

10 OUTPUT 10

11 OUTPUT 11

12 OUTPUT 12

13 OUTPUT 13

14 OUTPUT 14


15 OUTPUT 15

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		CHKD		TITLE: PLC Node 1, Unit 1, Outputs 8-15	
		APPRVD		DRAWING NO: Wheel Blaster_480-120V_Wiring_ETH_Maple	
		ENG. INFO	XXXX	SIZE:	SCALE: NONE
		DO NOT SCALE DWG.		SHEET: PAGE 7 OF 10	REV: 02

TUNNEL CONTROLLER CONNECTIONS

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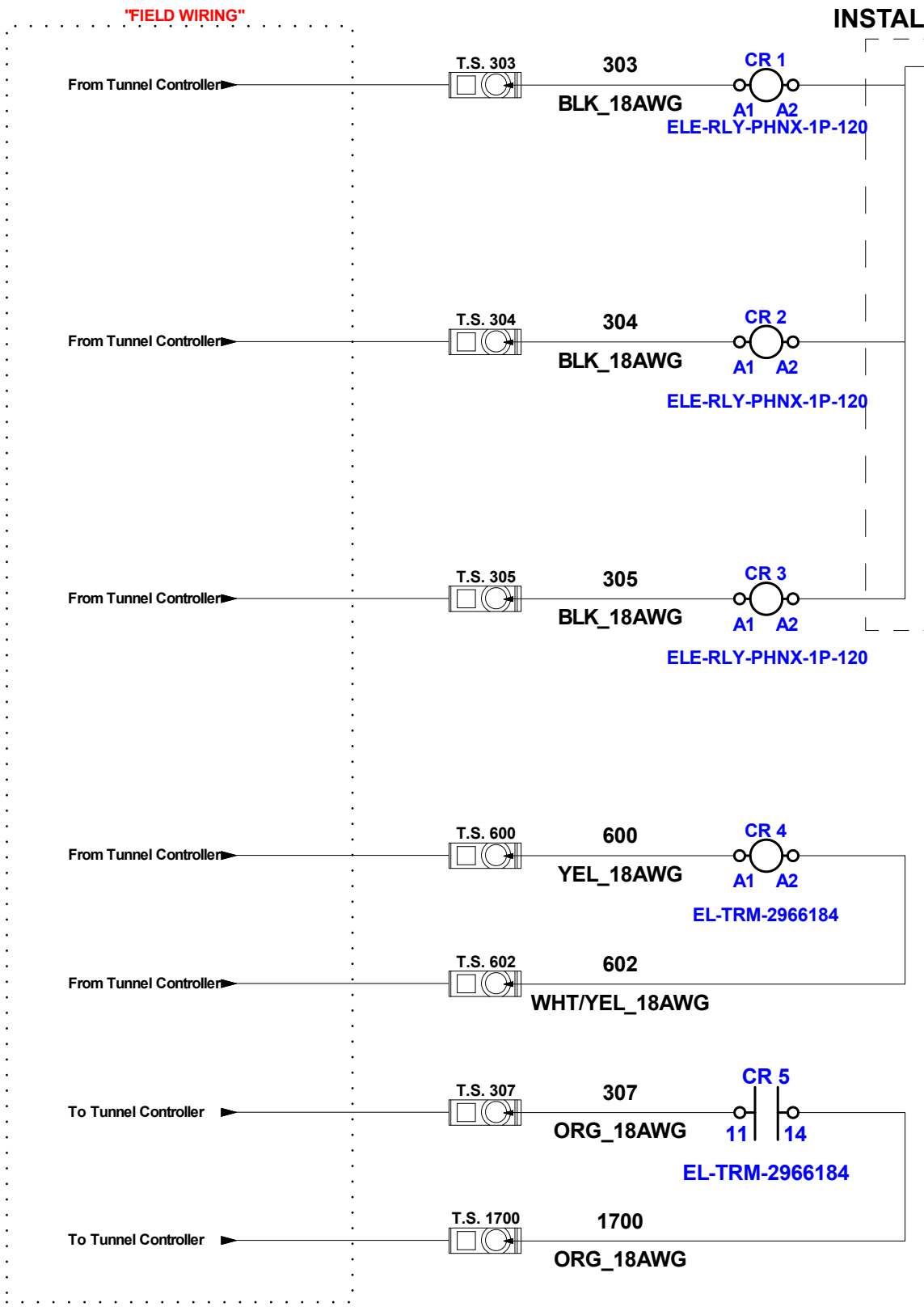
Tire Tunnel Function
120 VAC

Conveyor Running
120 VAC

Collision Monitor
120 VAC

Pulse Switch
24 VAC/DC

wheelblastIT Water Solenoid Output
DRY CONTACT



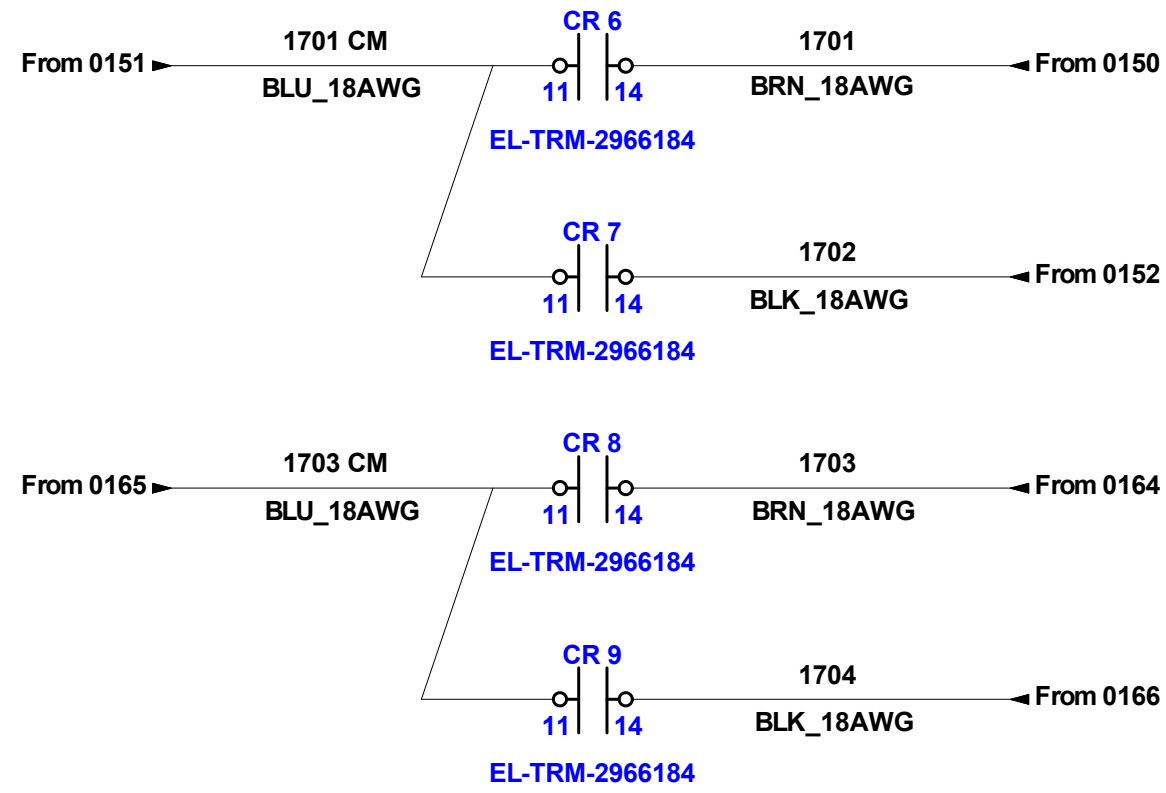
Note:
Run individual conductors, do not jumper terminals.

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		CHKD		TITLE: Tunnel Controller Connections	
		APPRVD		DRAWING NO: Wheel Blaster_480-120V_Wiring_ETH_Maple	
		ENG. INFO	XXXX	SIZE:	SCALE: NONE
		DO NOT SCALE DWG.		SHEET: PAGE 8 OF 10	REV: 02

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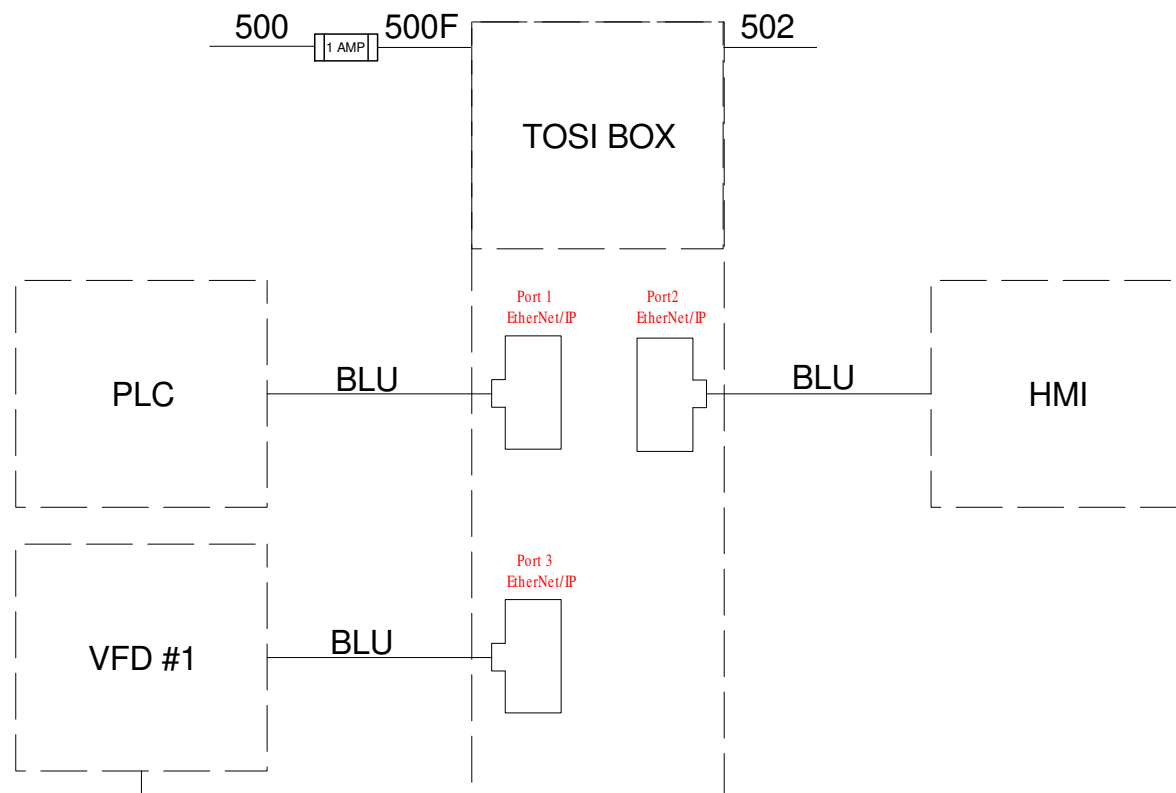
Note:
Jumper CR 6+7 Pin 11
Jumper CR 8+9 Pin 11

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		CHKD		TITLE: VFD Forward / Reverse Signals	
		APPRVD		DRAWING NO: Wheel Blaster_480-120V_Wiring_ETH_Maple	
		ENG. INFO	XXXX	SIZE:	SCALE: NONE
		DO NOT SCALE DWG.		SHEET: PAGE 9 OF 10	REV: 02

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ETHERNET CONNECTIONS
PORT 1 TO PLC "ETHERNET IP" PORT
PORT 2 TO HMI SCREEN
PORT 3 TO VFD #1

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		CHKD		TITLE: Ethernet Connections	
		APPRVD		DRAWING NO: Wheel Blaster_480-120V_Wiring_ETH_Map	
		ENG. INFO	XXXX	SIZE: DO NOT SCALE DWG.	SCALE: NONE

