

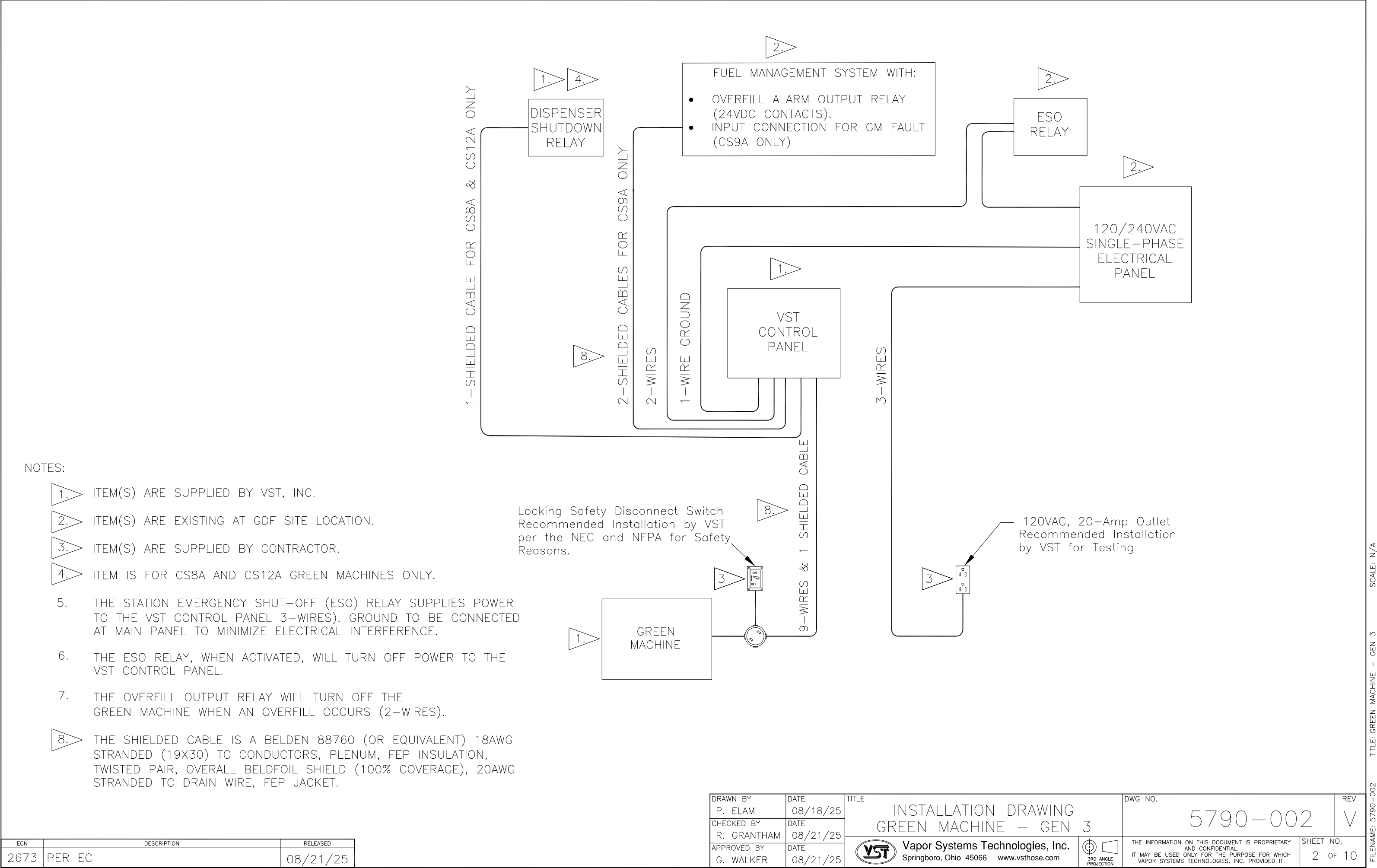
DRAWING LIST

SHT	DESCRIPTION
1	TITLE SHEET.
2	ELECTRICAL OVERVIEW – ESO RELAY WIRING.
3	CONTROL PANEL FIELD WIRING – ESO RELAY WIRING.
4	CONTROL PANEL FIELD WIRING – COMPONENT CONNECTIONS.
5	DISPENSER SHUTDOWN RELAY CIRCUIT COMPONENTS.
6	DISPENSER SHUTDOWN RELAY CIRCUIT WIRING DIAGRAM.
7	GREEN MACHINE JUNCTION BOX FIELD WIRING DIAGRAM.
8	PRESSURE SENSOR WIRING DIAGRAM.
9	VACUUM PUMP MOTOR WIRING DIAGRAM.
10	WIRING CONNECTIONS.

ECN	DESCRIPTION	RELEASED
2673	PER EC	08/21/25

DRAWN BY P. ELAM	DATE 08/18/25	TITLE INSTALLATION DRAWING GREEN MACHINE – GEN 3  Vapor Systems Technologies, Inc. Springboro, Ohio 45066 www.vsthose.com	DWG NO. 5790–002	REV V
CHECKED BY R. GRANTHAM	DATE 08/21/25		 3RD ANGLE PROJECTION THE INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. IT MAY BE USED ONLY FOR THE PURPOSE FOR WHICH VAPOR SYSTEMS TECHNOLOGIES, INC. PROVIDED IT.	SHEET NO. 1 OF 10
APPROVED BY G. WALKER	DATE 08/21/25			

FILENAME: 5790–002 TITLE: GREEN MACHINE – GEN 3 SCALE: N/A



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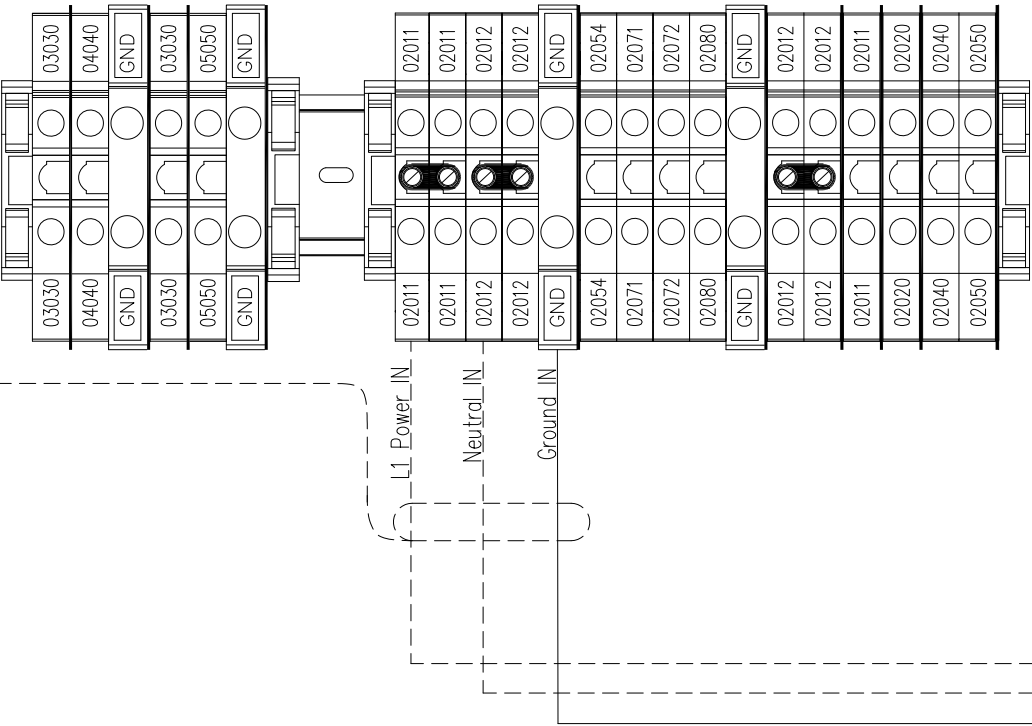
FILENAME: 5790–002 TITLE: GREEN MACHINE – GEN 3 SCALE: N/A



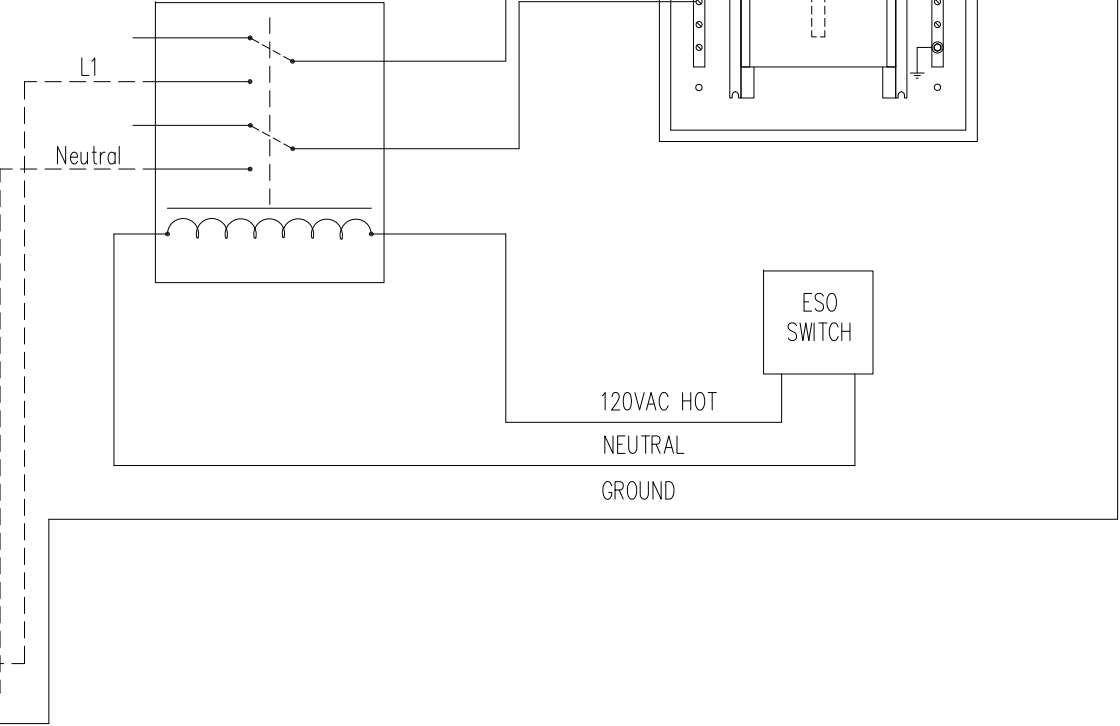
INCOMING POWER CONNECTIONS

BOTTOM OF PANEL FOR
FIELD WIRING CONNECTIONS

FIELD WIRING FROM THE MAIN
ELECTRICAL DISTRIBUTION PANEL TO THE
CONTROL PANEL TERMINAL BLOCKS



120/240VAC 20A Rated
DPDT relay to shutdown
power to GM ON ESO press.



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Vapor Systems Technologies, Inc. Springboro, Ohio 45066 www.vsthose.com

DWG NO. 5790-002	REV V
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CONTROL PANEL CONNECTIONS

CONNECTING

- * GREEN MACHINE INTERNAL JUNCTION BOX
- * PRESSURE SENSOR
- * SAFETY DISCONNECT SWITCH
- * OVERFILL ALARM RELAY
- * 72-HOUR STATION SHUTDOWN ALARM RELAY
- * GM FAULT

INSIDE THE DATA HUT FIELD WIRING CONNECTIONS

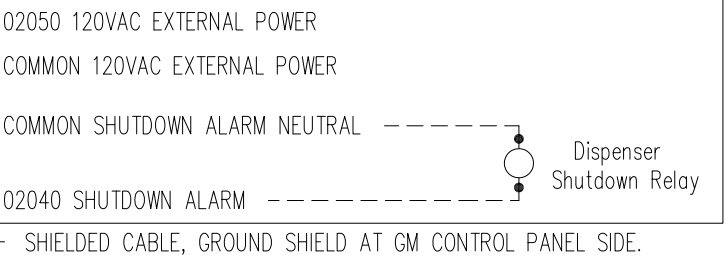
GM FAULT WIRING CONNECTIONS FOR TLS (CS9A ONLY)

SHIELDED CABLE, GROUND SHIELD AT TLS SIDE.



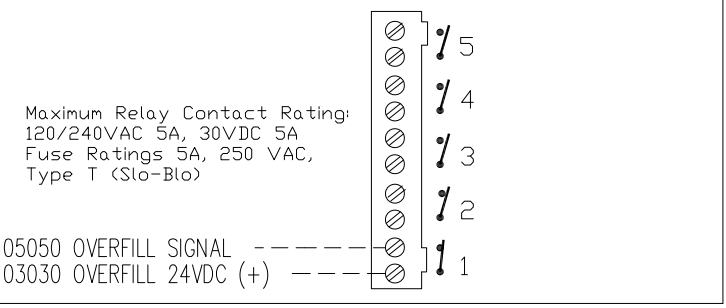
- OR -

DISPENSER SHUTDOWN RELAY WIRING (CS8A & CS12A ONLY)



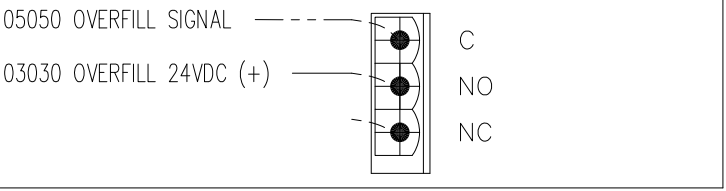
SUBMERSIBLE TURBINE PUMPS DISPENSER SHUTDOWN RELAY COIL (HOOK RELAY)

OVERFILL FIELD WIRING CONNECTIONS



OVERFILL ALARM RELAY, TYPE 1, TLS-450 Plus

- OR -



OVERFILL ALARM RELAY, TYPE 2, TLS-350 OR EQUIVLENT 4-RELAY MODULE



FIELD WIRING FROM THE CONTROL PANEL TERMINAL BLOCKS

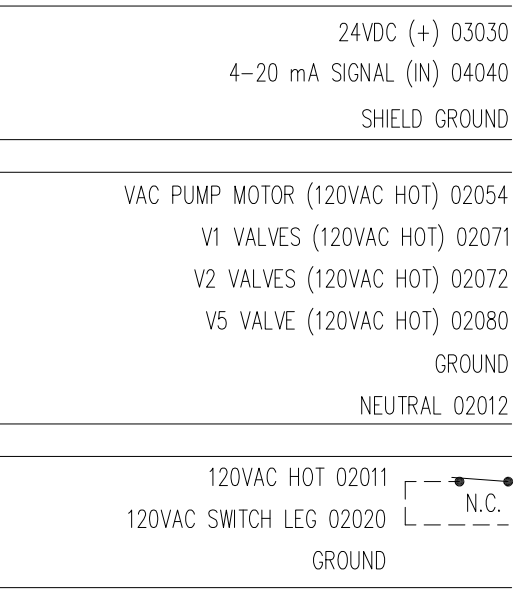
SHIELDED CABLE, GROUND SHIELD AT GM CONTROL PANEL SIDE

AT THE GREEN MACHINE FIELD WIRING CONNECTIONS

PRESSURE SENSOR CABLE

GREEN MACHINE INTERNAL JUNCTION BOX

SAFETY DISCONNECT ON/OFF SWITCH (LOCATED AT GM)

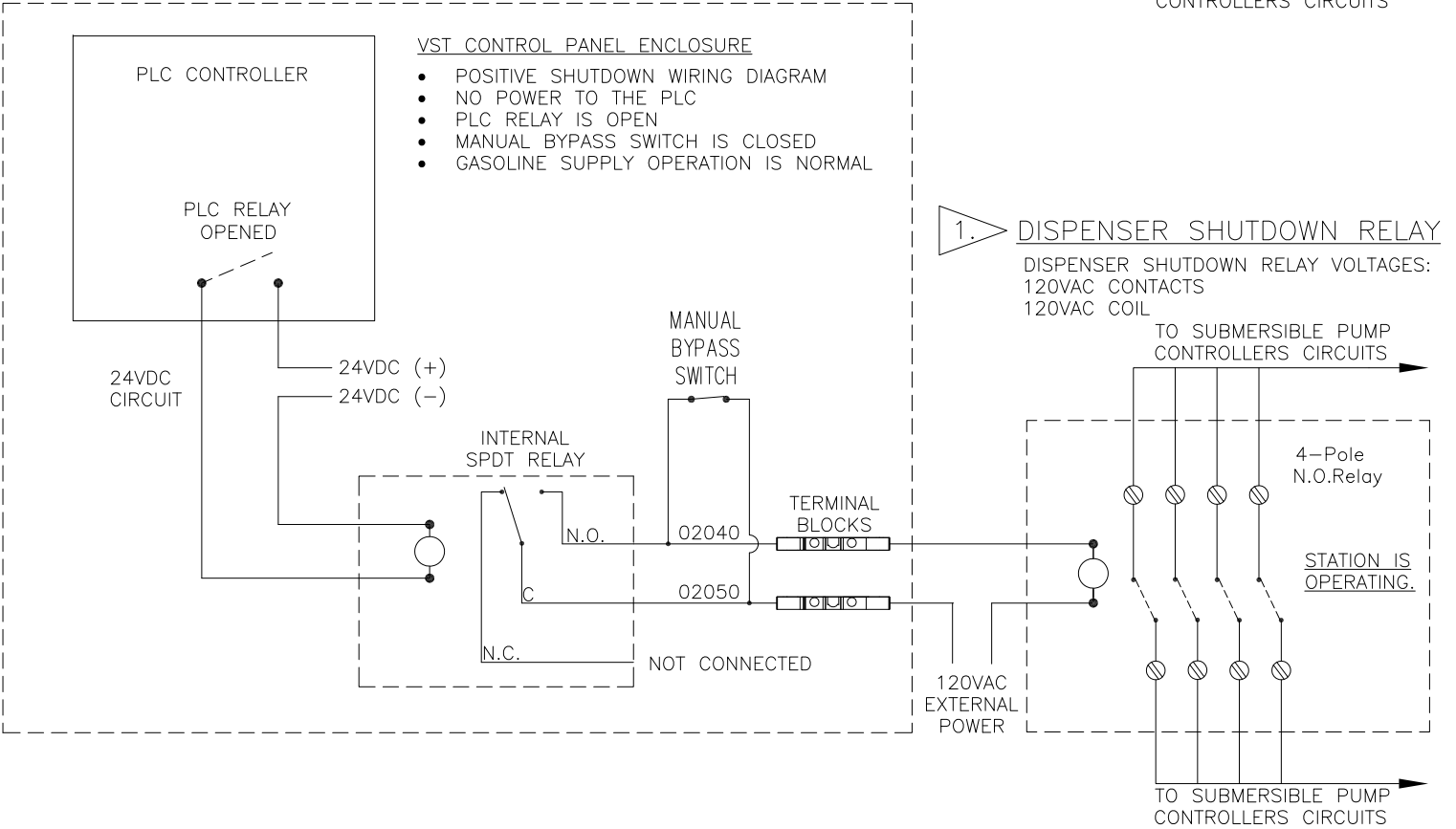
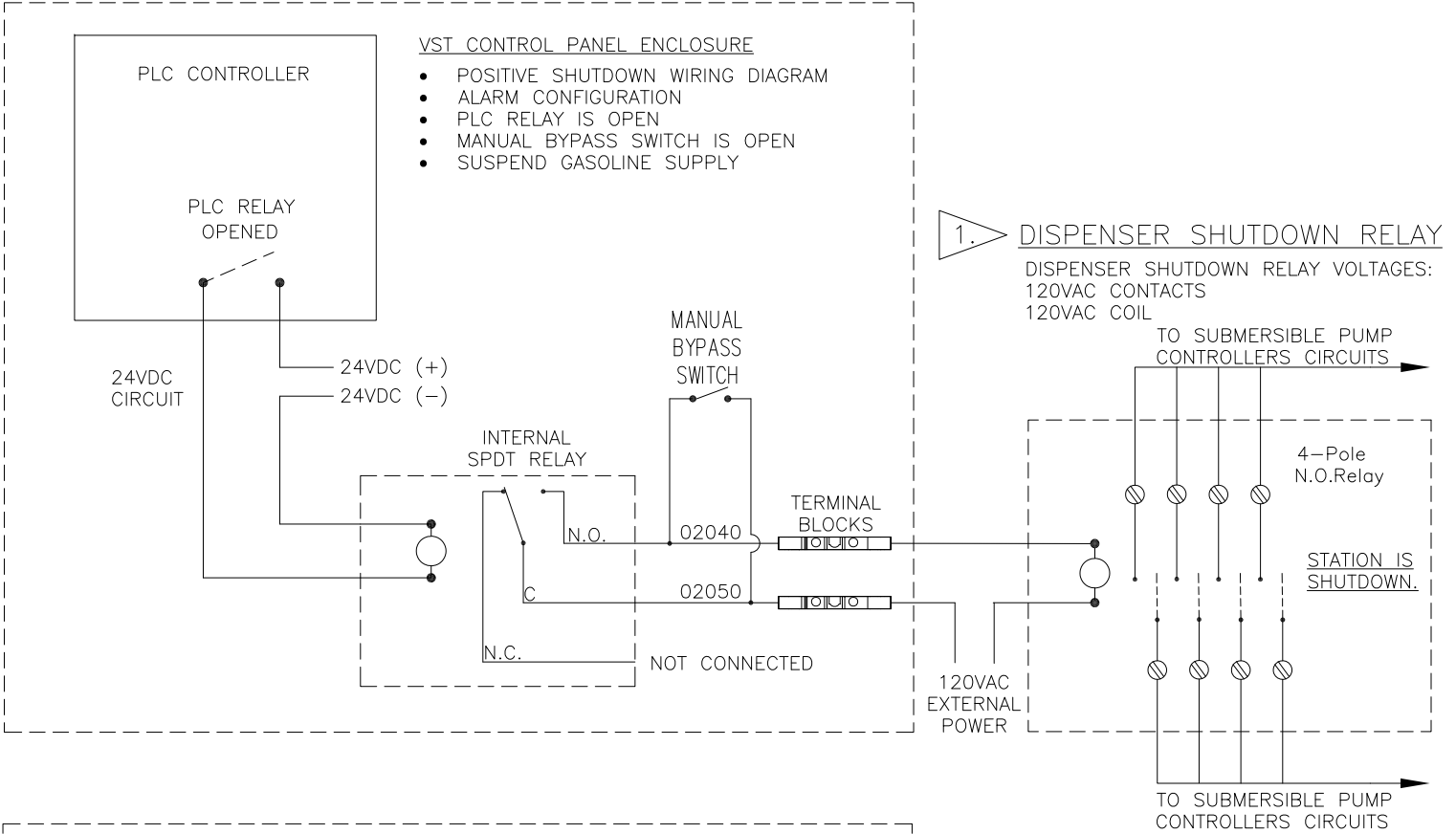
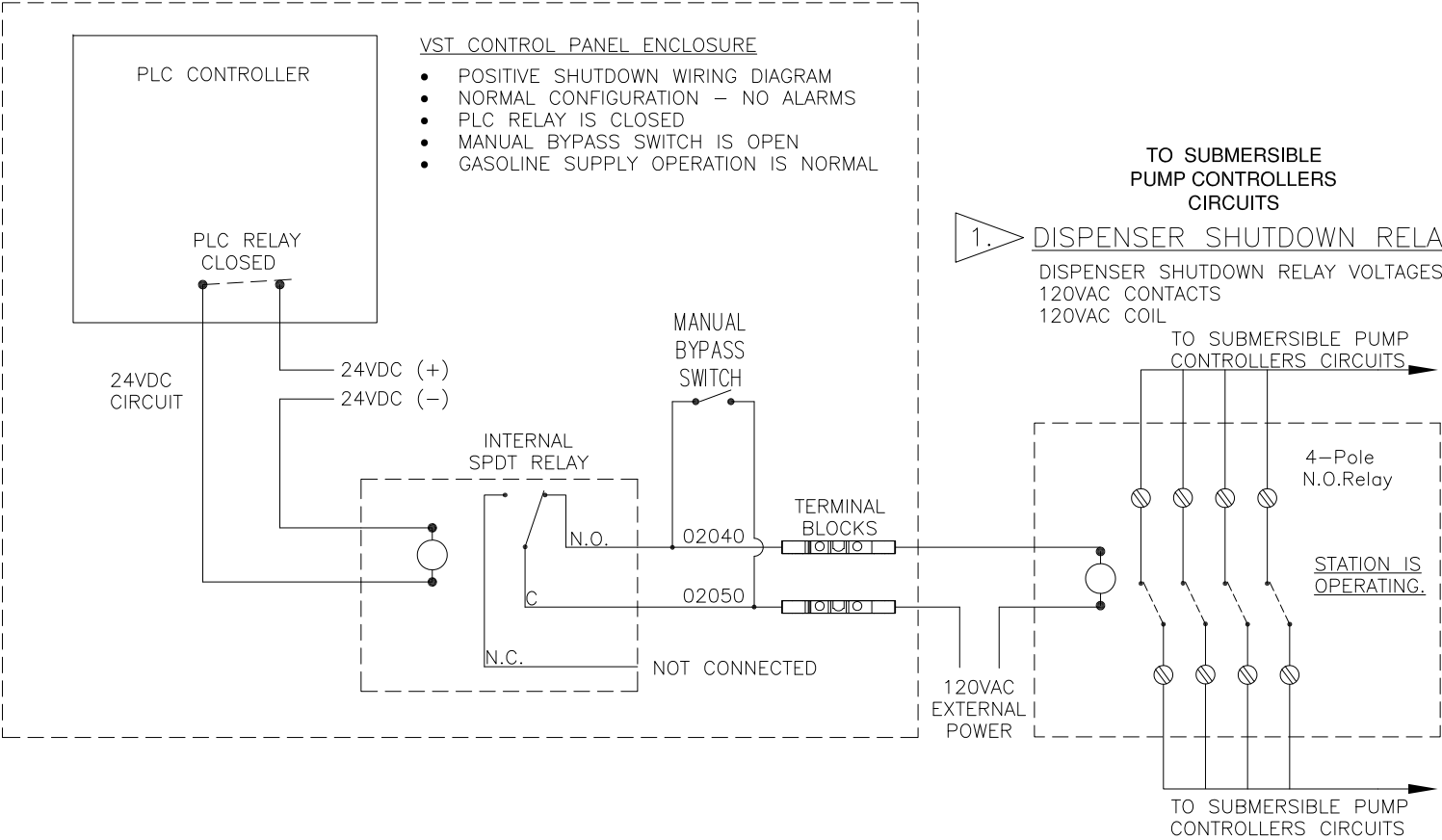


SHIELDED CABLE, GROUND SHIELD AT GM CONTROL PANEL SIDE

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**Vapor Systems Technologies, Inc.**
Springboro, Ohio 45066 www.vsthose.com

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Positive shutdown wiring diagram. Turning OFF power to the VST Control Panel will disable fueling. Splice into the dispenser shutoff signal after all other wiring to the vst control panel is complete and is fully functional. test the dispenser shutoff relay control before connecting dispenser shutoff wires to the dispenser shutoff relay.

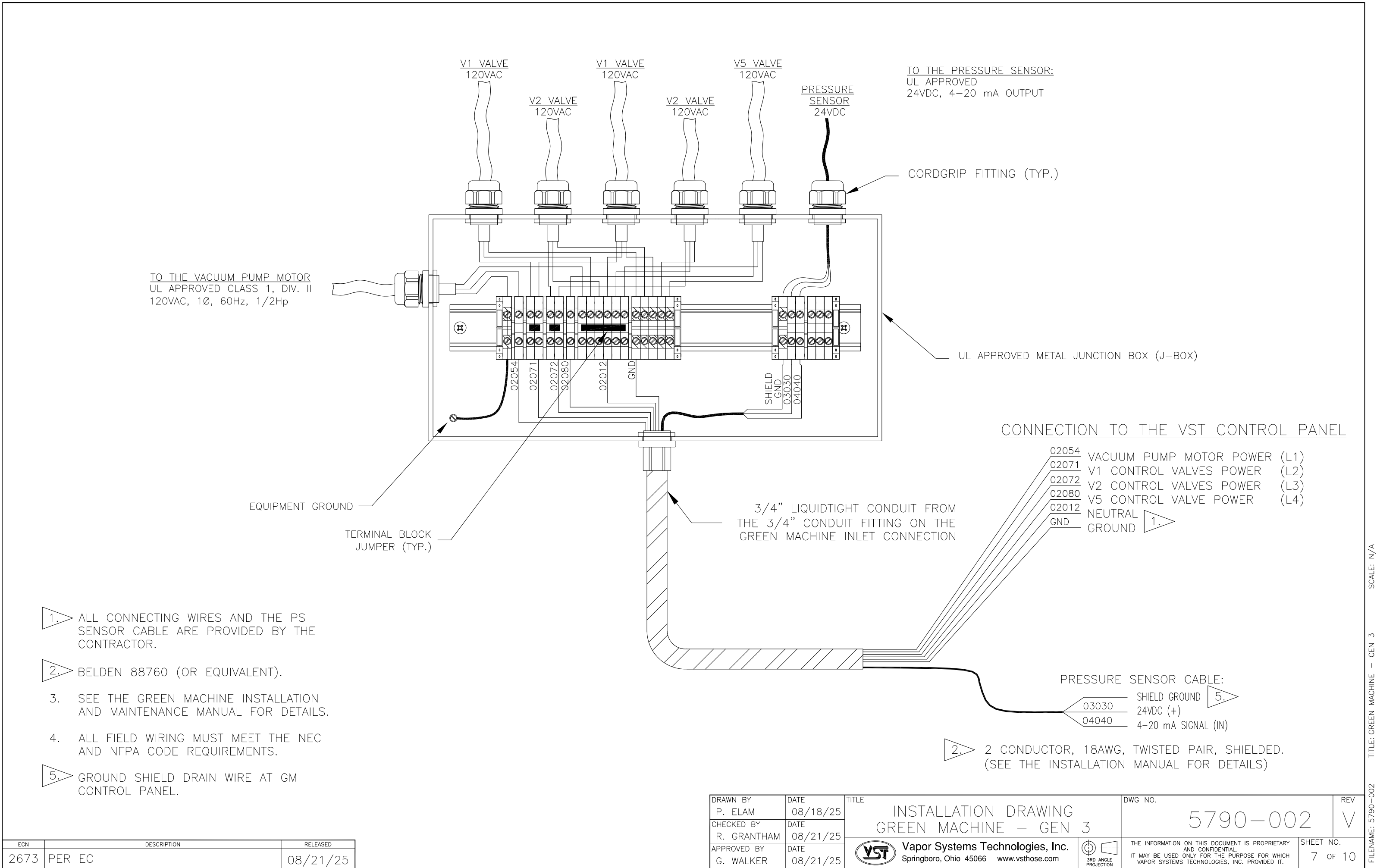
if the VST Control Panel loses power, the bypass switch can closed to keep the station operational.

NOTES:

1. ITEM IS FOR CS8A AND CS12A GREEN MACHINES ONLY.

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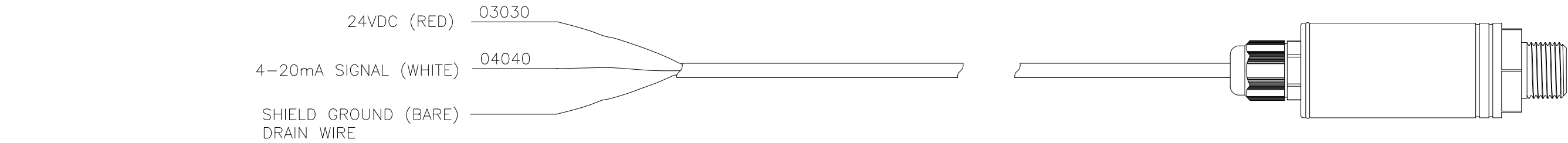
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APPROVED BY G. WALKER	DATE 08/21/25			



- 1. ALL CONNECTING WIRES AND THE PS SENSOR CABLE ARE PROVIDED BY THE CONTRACTOR.
- 2. BELDEN 88760 (OR EQUIVALENT).
- 3. SEE THE GREEN MACHINE INSTALLATION AND MAINTENANCE MANUAL FOR DETAILS.
- 4. ALL FIELD WIRING MUST MEET THE NEC AND NFPA CODE REQUIREMENTS.
- 5. GROUND SHIELD DRAIN WIRE AT GM CONTROL PANEL.

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APPROVED BY G. WALKER	DATE 08/21/25			
VST Vapor Systems Technologies, Inc. Springboro, Ohio 45066 www.vsthose.com		THE INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. IT MAY BE USED ONLY FOR THE PURPOSE FOR WHICH VAPOR SYSTEMS TECHNOLOGIES, INC. PROVIDED IT.		
3RD ANGLE PROJECTION		SHEET NO. 7 OF 10		

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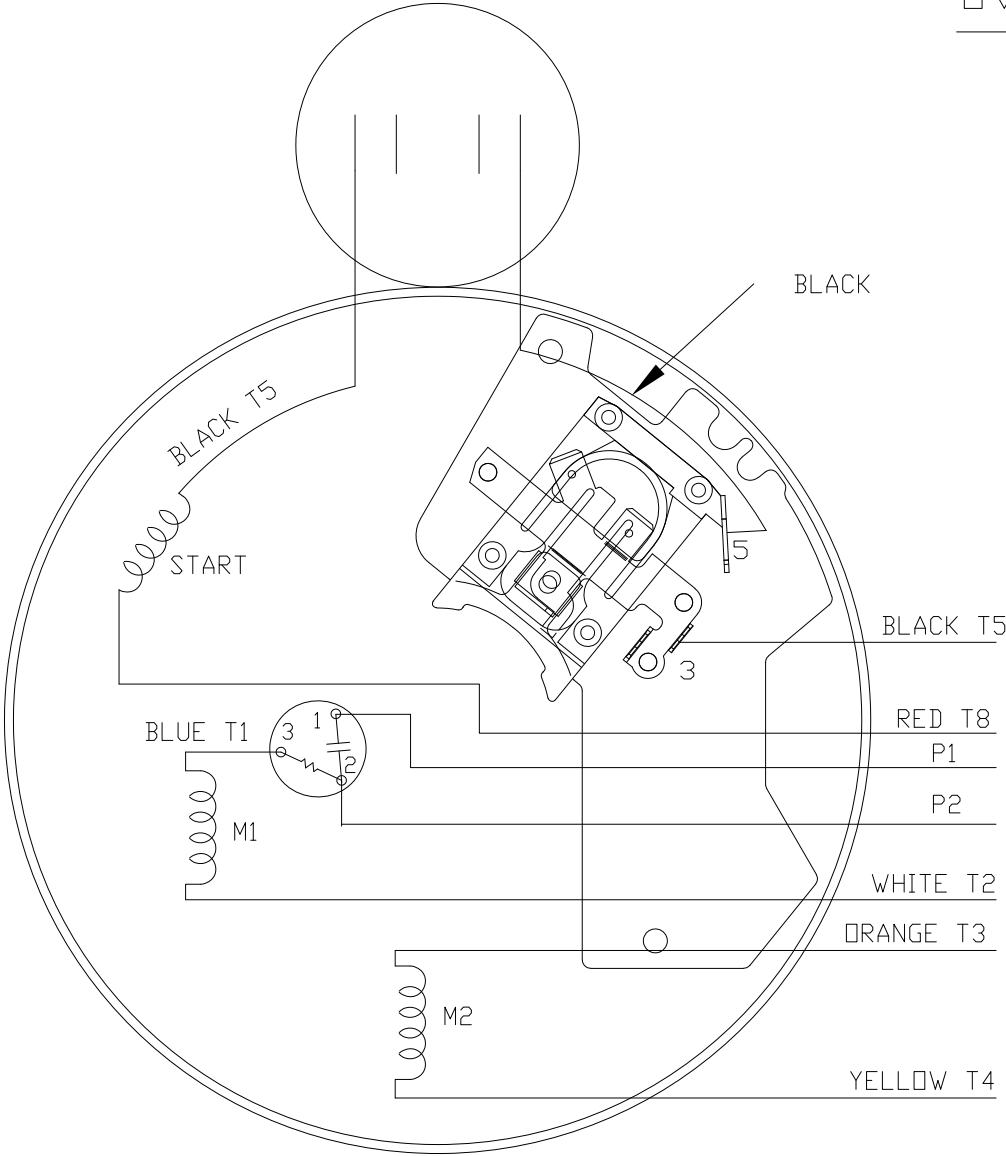


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APPROVED BY G. WALKER	DATE 08/21/25	 Vapor Systems Technologies, Inc. Springboro, Ohio 45066 www.vsthose.com	 3RD ANGLE PROJECTION	THE INFORMATION ON THIS DOCUMENT IS PROPRIETARY AND CONFIDENTIAL. IT MAY BE USED ONLY FOR THE PURPOSE FOR WHICH VAPOR SYSTEMS TECHNOLOGIES, INC. PROVIDED IT.		SHEET NO. 8 OF 10

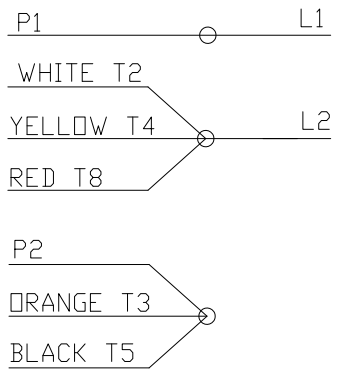
THERMALLY PROTECTED

DUAL VOLTAGE
CAPACITOR START
OVERLOAD SELECT ROT.



NORMAL ROTATION FOR GM IS C.W.

LOW VOLT. - C.W. ROTATION.



CAUTION:

FOR GREEN MACHINE WIRING MOTOR
REPLACEMENT.

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES				DRAWN			
				DEC.	INCHES					CHK			
				.X	± .1					APPD			
				.XX	± .02	TITLE CONNECTION DIAGRAM				SCALE 5=8			
				.XXX	± .005					REF			
				.XXXX	± .0005	MAT'L.				FMF			
NO.	REVISION		BY & DATE	CHK	ANG	± 7'30"	FINISH				PREV		
				RFP		CAD FILE			SIZE	DRAWING NO. PAGE OF		REV.	
				DIST						A			1

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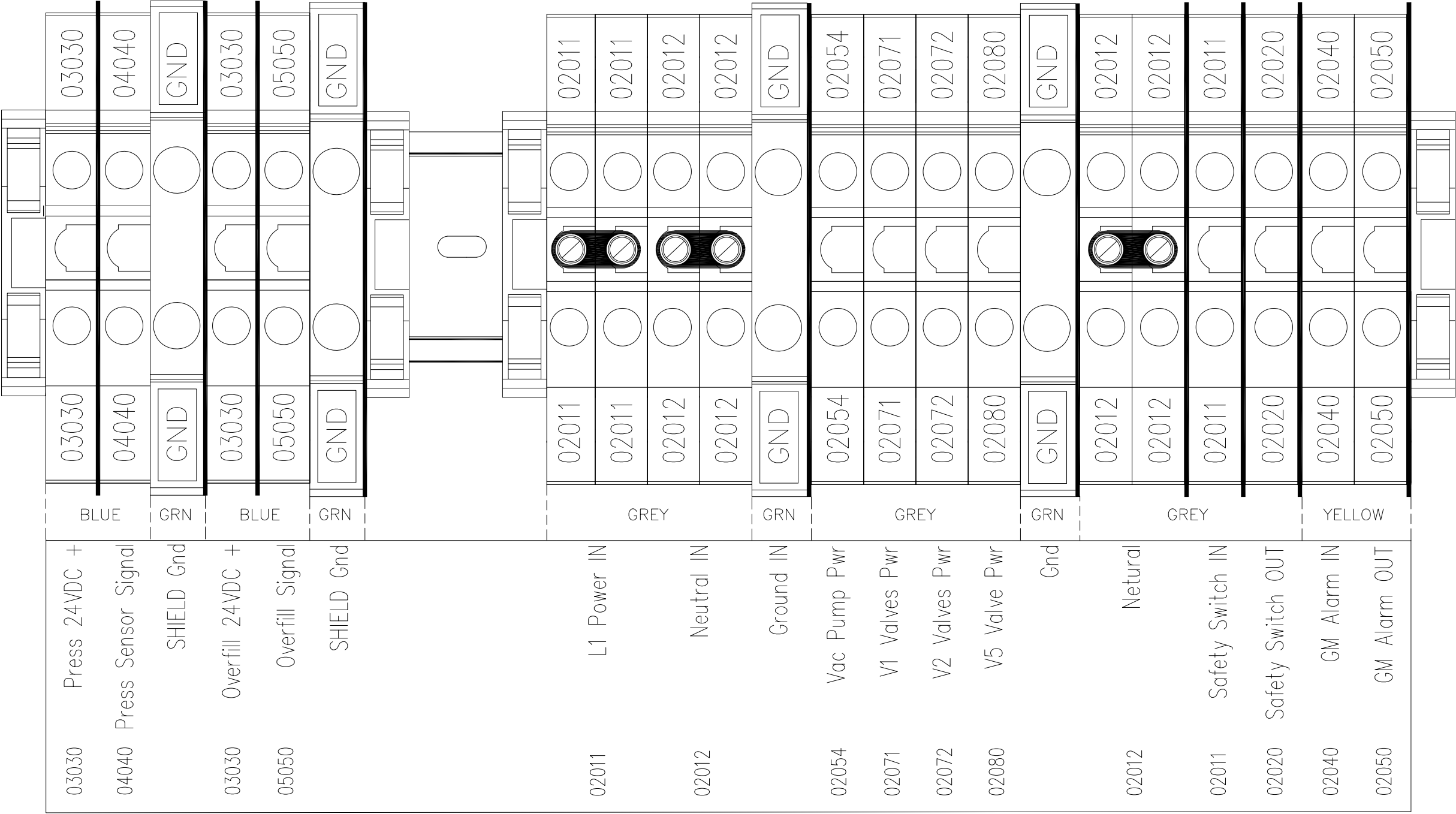
DRAWN BY	DATE
P. ELAM	08/18/25
CHECKED BY	DATE
R. GRANTHAM	08/21/25
APPROVED BY	DATE
G. WALKER	08/21/25

TITLE	
INSTALLATION DRAWING GREEN MACHINE – GEN 3	
Vapor Systems Technologies, Inc. Springboro, Ohio 45066 www.vsthose.com	

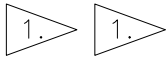
DWG NO.	REV
5790–002	V
SHEET NO.	
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CONTROL PANEL WIRING CONNECTIONS



FIELD WIRING CONNECTIONS



NOTE:

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