

WIRING SCHEMATIC:

PEELER ELECTRICAL JUNCTION BOX

MODELS:
02820/02822
02920/02922

GENERAL SYSTEM SPECIFIC NOTES:

1. DRAWINGS 1029580 AND 1029581 ARE STANDARD NOTE AND LEGEND SHEETS AND SHOULD APPEAR AT THE END OF THIS DRAWING SET.

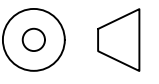
RELEVANT CONTROL SYSTEM PART NUMBERS

VANMARK PN	DESCRIPTION
60-61097	ELECTRICAL CMPNTS, 24V AUTOLUBE, W/FDBK
1029580	CTRL STD, NOTES AND ABBREV
1029581	CTRL STD, SYMBOL LEGEND

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
±.125 ±.010 ±.010 ±.010

 **VANMARK EQUIPMENT LLC**
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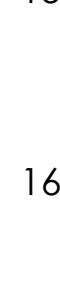
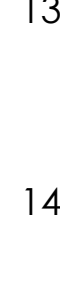
DESCRIPTION:
CTRL SCHEM, MANUAL, PEELER, 02820/02920
COVER PAGE

REVISIONS					
REV	DESCRIPTION	DATE	BY	SIZE	
B	UPDATED DWG TO ANSI-D STANDARD TITLE BLOCK	05/09/24	NMJ	D	
C	SCHEMATIC CHANGE FOR NEW BUTTON AND TIMER RELAY	01/14/25	NMJ		
D	ADDED IMAGE OF TRAP KEY GRAPHIC	09/02/25	KVH		

APPROVED BY: ZSE

REV. D
ITEM NUMBER 1029573
SCALE: NTS
SHEET: 1 OF 5

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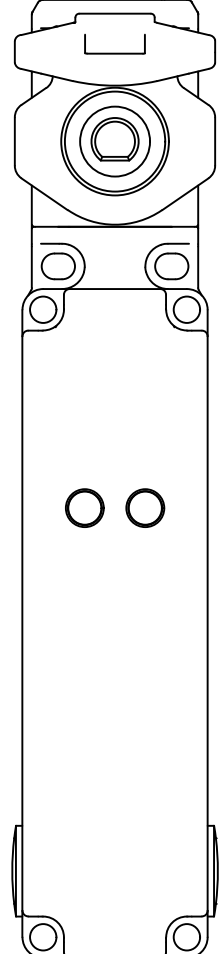
1. VANMARK RECOMMENDS USING AT LEAST 1 SET OF INTERLOCK KEY CONTACTS TO DISABLE THE PEELER DRIVE MOTOR(S).
2. VANMARK DOES NOT TAKE LIABILITY FOR SAFETY PROTOCOLS AND / OR HAZARDS RELATED TO MISUSE / NON-RECOMMENDED WIRING OF TKI.

APPLYING 24VDC TO A1 AND A2 WILL:

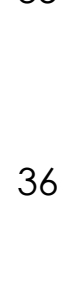
- ENERGIZE THE SOLENOID AND ALLOW THE KEY TO BE REMOVED
- CONTACTS 11/12 AND 21/22 WILL OPEN (SAFETY CONTACTS)
- CONTACTS 33/34 AND 43/44 WILL CLOSE (AUXILIARY CONTACTS)
- LED1 (RED) WILL STAY ILLUMINATED

DE-ENERGIZING A1 AND A2 WILL:

- CAUSE LED1 (RED) TO GO OFF
- ALLOW KEY TO BE INSERTED AND TURNED TO THE TRAPPED POSITION
- CONTACTS 11/12 AND 21/22 WILL CLOSE, IF KEY IS IN TRAPPED POSITION
- CONTACTS 33/34 AND 43/44 WILL OPEN, IF KEY IS IN TRAPPED POSITION



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(OPTIONAL) SAFETY NC
KEY POSITION CONTACT #2
(OPEN WHEN KEY IS REMOVED
FROM SOLENOID RELEASE)

(OPTIONAL) AUXILIARY NO
KEY POSITION CONTACT #3
(CLOSED WHEN KEY IS REMOVED
FROM SOLENOID RELEASE)

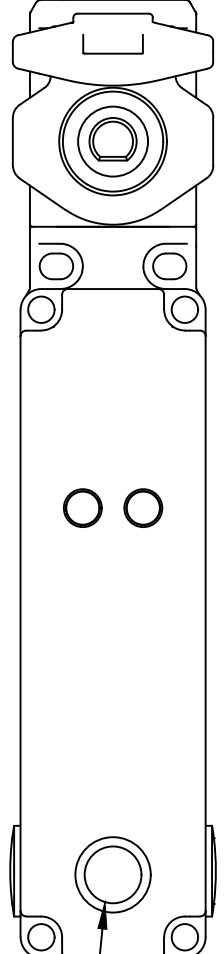
PIL-LED2
GREEN WHEN KEY REMOVED TO
INDICATE SAFE TO WORK ON

(24VDC COM)



PUSHBUTTON TO
SOLENOID RELEASE
KEY UNLOCK REQUEST

CONSTANT POWER
24VDC +

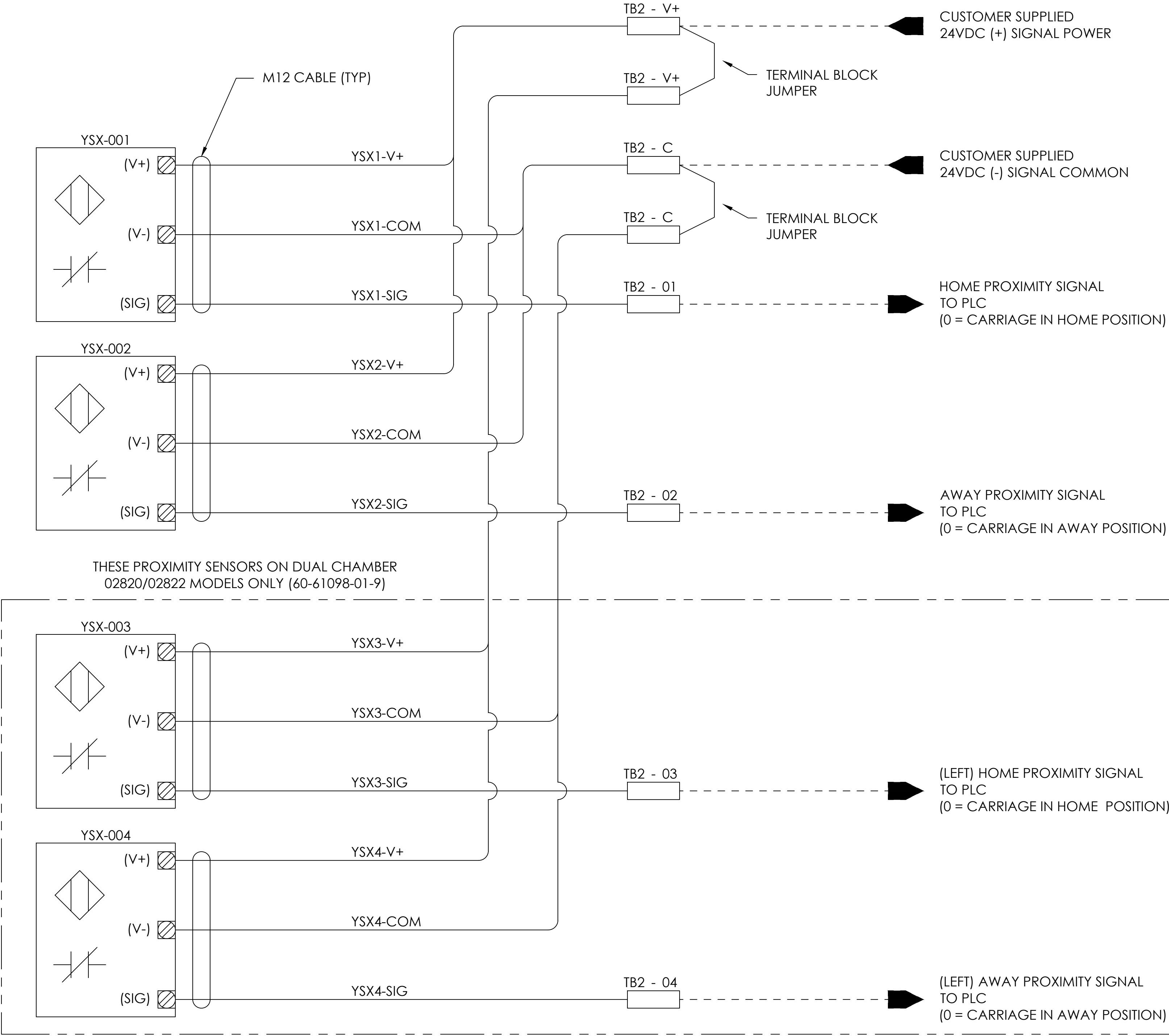
AUX CONTACT AND LED2
GREEN
SAFE TO WORK ON
INDICATOR CIRCUIT



PUSH BUTTON

REVISIONS				DESCRIPTION		
REV	DESCRIPTION	DATE	BY	<small>CONFIDENTIAL & EXCLUSIVE PROPERTY OF FAHARR EQUIPMENT. THIS DOCUMENT & ITS CONTENTS MAY NOT BE REPRODUCED OR DISCLOSED IN WHOLE, OR IN PART, WITHOUT EXPRESS WRITTEN CONSENT.</small>		
B	UPDATED DWG TO ANSI-D STANDARD TITLE BLOCK	05/09/24	NMJ	SIZE		<small>CTRL SCHEM, MANUAL, PEELER, 02820/02920</small> TRAP KEY TERMINAL GROUP
C	SCHEMATIC CHANGE FOR NEW BUTTON AND TIMER RELAY	01/14/25	NMJ	D		REV. D ITEM NUMBER 1029573
D	ADDED IMAGE OF TRAP KEY GRAPHIC	09/02/25	KVH	APPROVED BY: ZSE SCALE: NTS SHEET: 2 OF 5		

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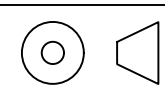
SHEET NOTES:

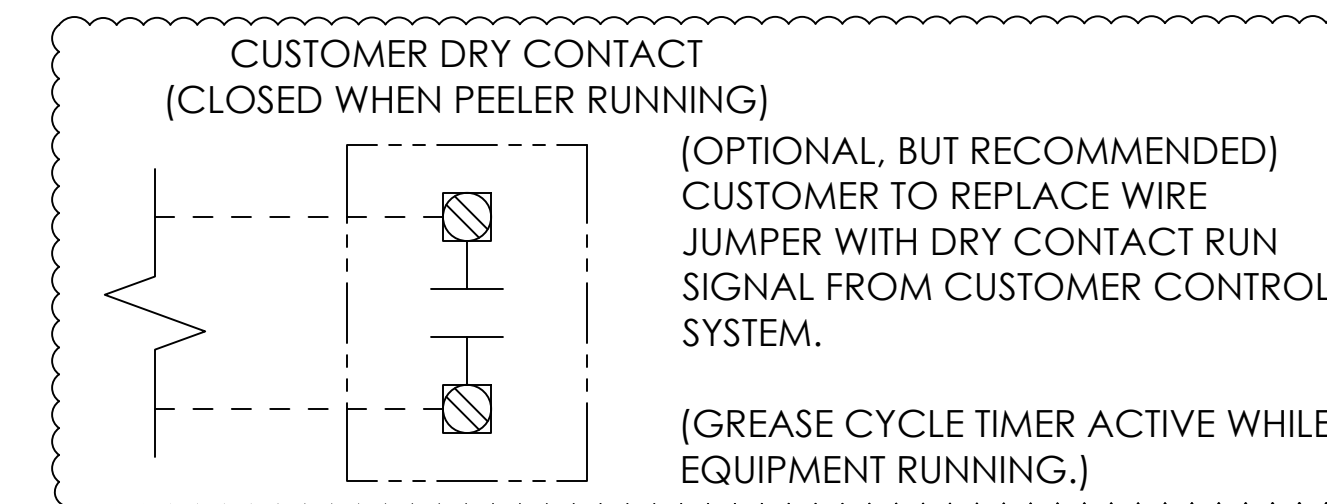
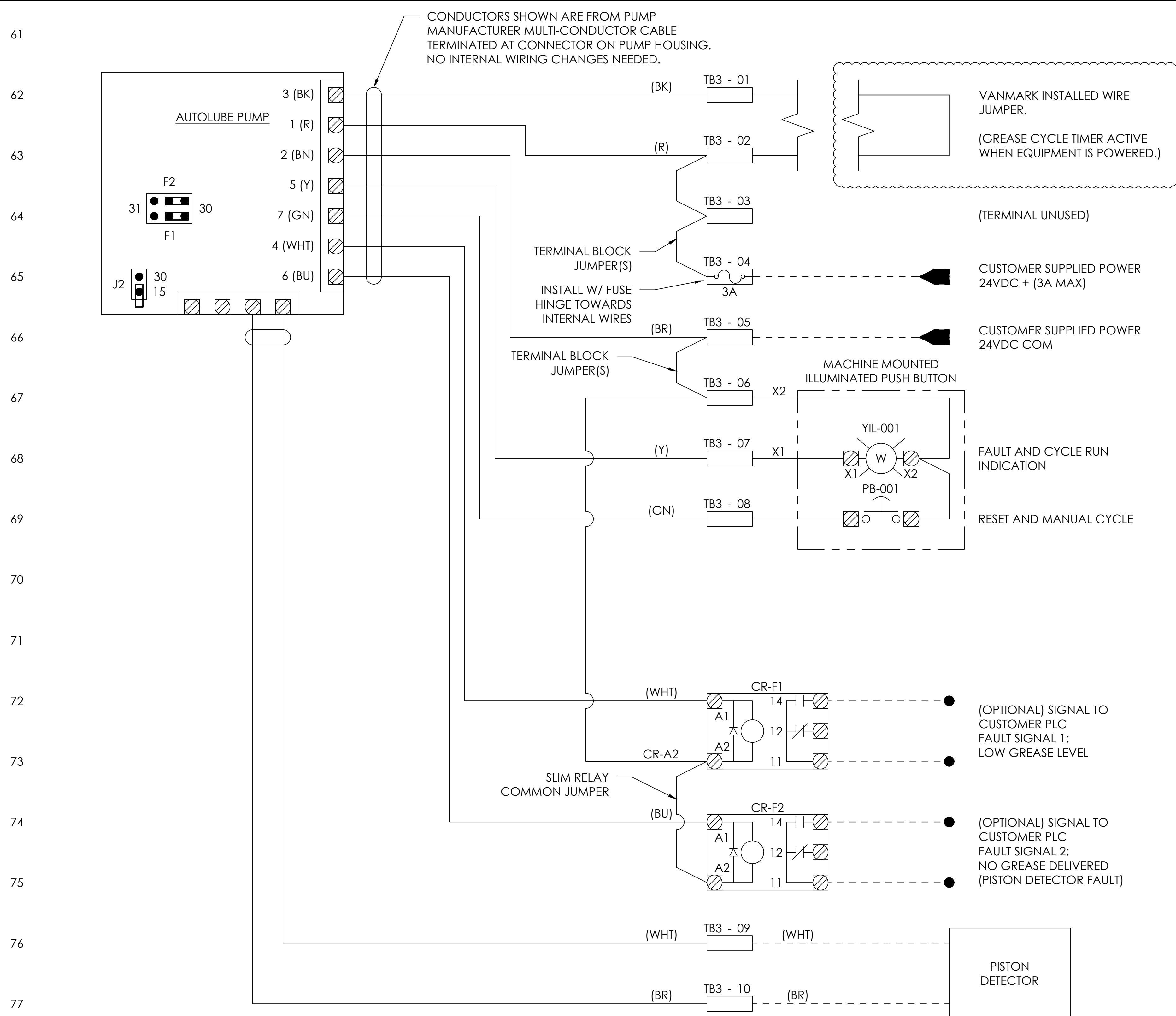
- THIS SHEET SHOWS CONNECTIONS INTENDED FOR PEELERS WITH THE OPTIONAL CIP PACKAGE INSTALLED. THESE TERMINAL BLOCKS MAY BE PRESENT, BUT NOT WIRED IN PEELERS WHICH DO NOT HAVE THE OPTIONAL CIP PACKAGE.
- TERMINAL BLOCKS "V+" AND "C" HAVE 3 CONNECTION POINTS WITH THE DUAL CONNECTION SIDE FACING INTERNAL WIRING.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
±1/16 ±0.005 ±0.25°

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DESCRIPTION:
CTRL SCHEM, MANUAL, PEELER, 02820/02920
(OPTIONAL) CIP TERMINAL GROUP

REVISIONS					
REV	DESCRIPTION	DATE	BY	SIZE	
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C	SCHEMATIC CHANGE FOR NEW BUTTON AND TIMER RELAY	01/14/25	NMJ		
D	ADDED IMAGE OF TRAP KEY GRAPHIC	09/02/25	KVH		
APPROVED BY: ZSE				SCALE: NTS	SHEET: 3 OF 5



OR

STANDARD:

**PLASTIC
ILLUMINATED
PUSHBUTTON**

SHEET NOTES:

1. VANMARK MANUFACTURING TO MOVE JUMPER LABELED "J2", HANG JUMPER OFF BOTTOM PIN ONLY.
2. VANMARK MANUFACTURING TO SHIFT JUMPERS "F1" AND "F2" FROM THEIR DEFAULT LEFT-MIDDLE CONNECTION TO MIDDLE-RIGHT CONNECTION.

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