

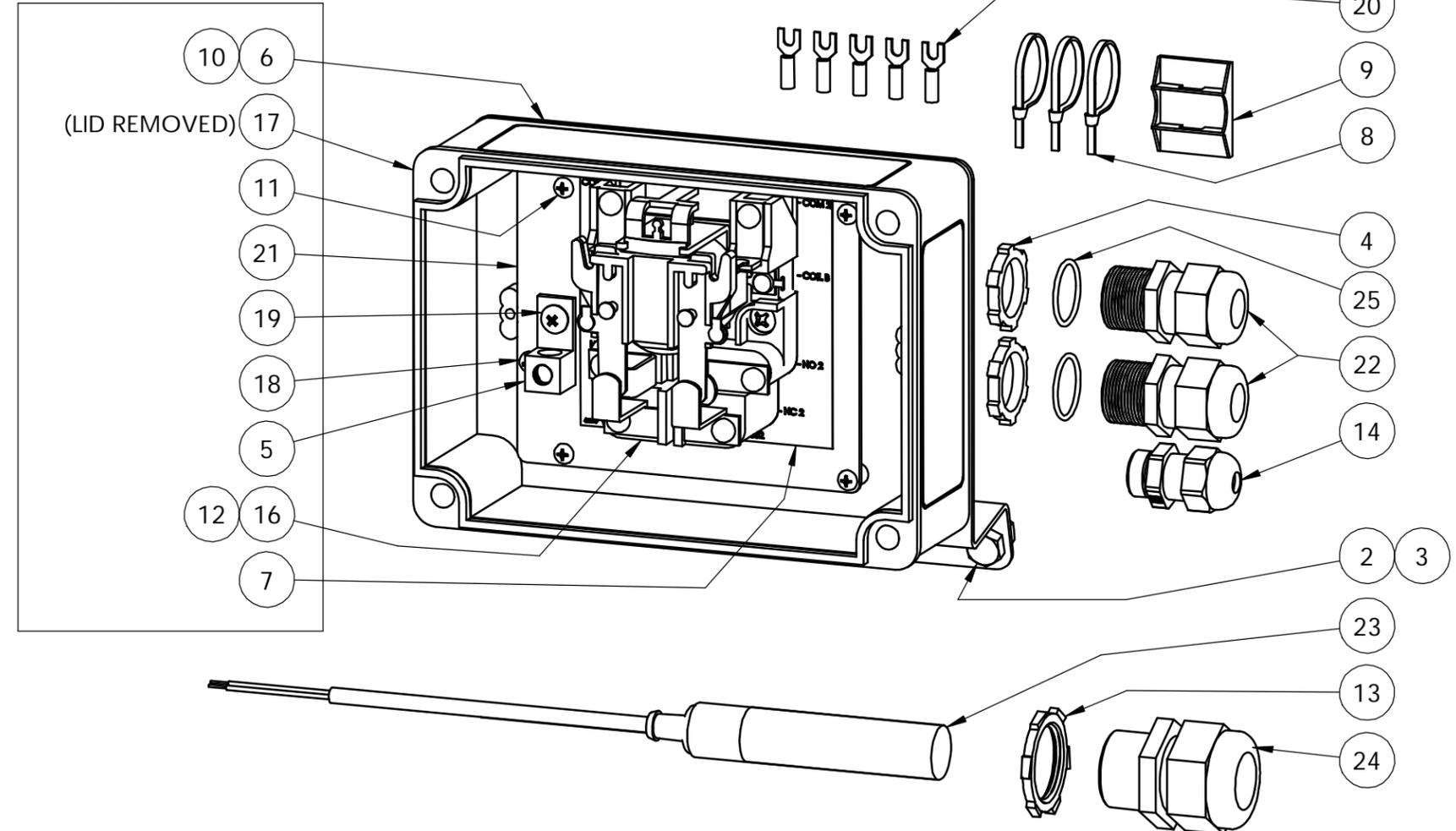
REV	ECN#	DESCRIPTION	DATE	BY
-	13177	INSTRUCTION SHEET CREATION	9/22/2015	LRA

BOOT SAFETY PROXIMITY SWITCH INSTRUCTIONS

THE PURPOSE OF THE BOOT SAFETY SWITCH IS TO ENSURE THE FEED LINES DO NOT RUN EMPTY. IF THE LEVEL OF FEED IN THE HOPPER DROPS BELOW THE PROXIMITY SWITCH, THE POWER WILL BE CUT TO THE FLOOR FEED LINE MOTORS.

PARTS LIST			
ITEM #	PART #	DESCRIPTION	QTY
1	010764	BAG, PLASTIC 4" X 8"	1
2	012615	1/4-20" X 1/2" SS HEX BOLT	2
3	012793	NUT, HEX LOCK 1/4-20 ZP	2
4	420473	1/2" CONDUIT NUT	2
5	450484	GROUND BLOCK	1
6	455798	BRACKET, BOOT SAFETY MOUNT	1
7	455799	DECAL, RELAY 730332 LABEL	1
8	610607	TY-RAP, SELF-LOCKING, T&B #TY-23M	3
9	690190	HOLDER, TY-RAP #1A870 GRAINGER	1
10	690354	SCREW, #8-18 X 1/2 PPHMS ZP	4
11	690364	SCREW, #6-19 X 3/8 PPHMS ZP	4
12	690368	SCREW, 10-32X5/8 PPH TRS ZP	2
13	690369	3/4" CONDUIT NUT	1
14	713419	CORD GROMMET	1
15	730047	HIGH VOLTAGE WARNING LABEL	1
16	730332	RELAY, DPDT, 240VAC, 40A,	1
17	730452	ENCLOSURE 5 X 7 X 3	1
18	730514	SCREW, 6-32 X 1/4 PPH TRS ZP	1
19	730516	SCREW, 10-32 X 1/4 PPH TRS ZP	1
20	730521	TERMINAL, SPADE, 16-14AWG, #6	5
21	730541	MOUNTING PLATE, CONTROL BOX	1
22	750030	STRAIGHT-THRU GROMMET	2
23	750436-BV	SENSOR, PROXIMITY, DOL 25	1
24	775102	3/4" STRAIGHT CONNECTOR	1
25	HW-71-204	O-RING, 11/16 ID, 13/16 OD	2

PRE-ASSEMBLED



UNSPECIFIED TOLERANCES
 2 PLACE ± .060
 3 PLACE ± .030
 4 PLACE ± .010
 HOLE DIA. ± .010
 ANGULAR ± 1°

DIMENSIONS ARE IN INCHES
 DIMENSIONS IN ()
 ARE MILLIMETERS
 UNLESS OTHERWISE
 SPECIFIED.
 DO NOT SCALE



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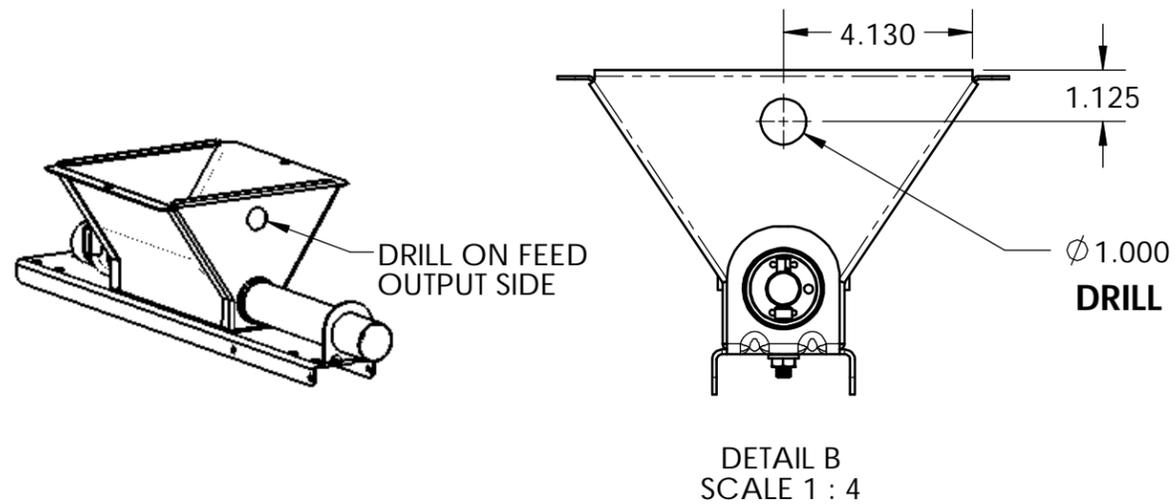
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DATE 9/21/15
 DRAWN LRA
 CHECK -
 WEIGHT NA
 SCALE NA

DESCRIPTION 1 INSTR, BOOT SAFETY PROXIMITY
 DESCRIPTION 2 -
 SHEET 1 OF 5
 990140
 REV. -

REV	ECN#	DESCRIPTION	DATE	BY
-	See Sheet1	See Sheet1	-	See Sheet1

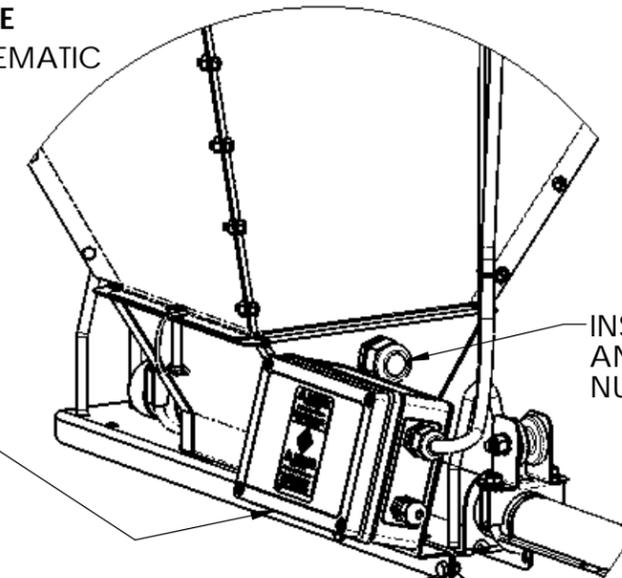
STEP 1: DRILL PROXIMITY SENSOR HOLE AS SHOWN BEFORE INSTALLATION. SEE SHEET 3 FOR TWIN BOOT DRILL INFORMATION.



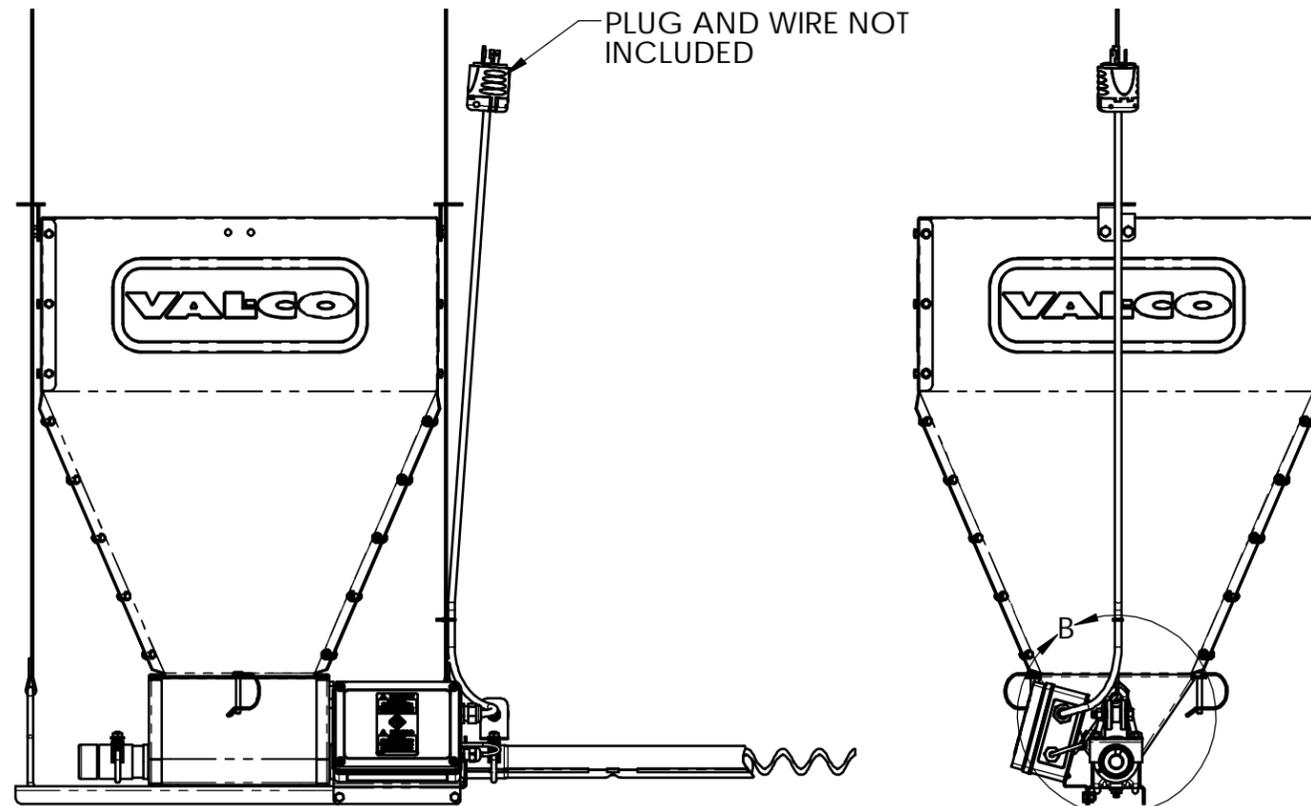
STEP 2: ASSEMBLE AND WIRE

WIRE AS SHOWN ON SCHEMATIC ON SHEET 4 AND 5

MOUNT ENCLOSURE TO SIDE OF BOOT RAIL WITH 1/4" HARDWARE.



012615, 1/4-20" X 1/2" SS HEX BOLT
012793, NUT, HEX LOCK 1/4-20 ZP



SECURE WIRES AND REMOVE ALL SLACK

INSERT PROXIMITY SENSOR INTO STRAIN RELIEF AND TIGHTEN. ADJUST DEPTH AND SENSITIVITY SCREW AS NECESSARY.

PROXIMITY SENSOR HAS A RANGE OF 1-60 SECONDS. IT IS SET TO 60 SECONDS FROM FACTORY. ADJUST THE BOOT SAFETY SENSOR INTO THE RANGE OF 3-10 SECONDS BY TURNING THE DELAY ADJUSTMENT SCREW.

CUT BACK SENSOR WIRE TO REMOVE SLACK

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4 PLACE ± .010
HOLE DIA. ± .010
ANGULAR ± 1°

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DESCRIPTION 1 INSTR, BOOT SAFETY PROXIMITY

DESCRIPTION 2 -

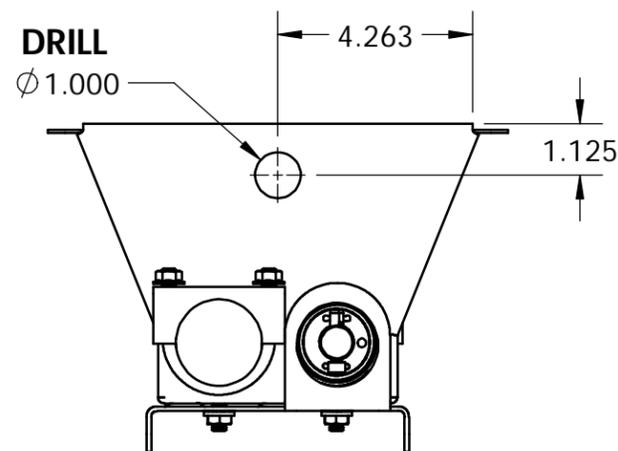
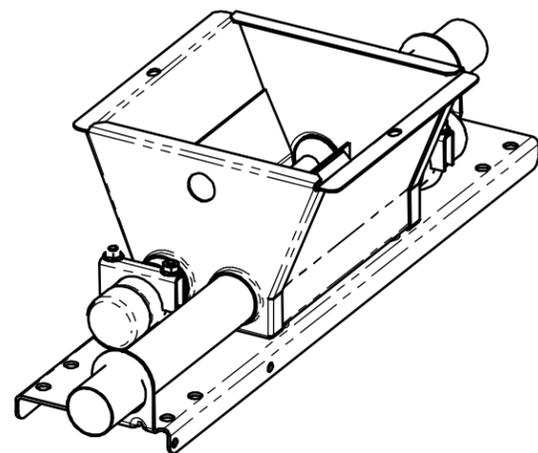
SHEET 2 OF 5

990140

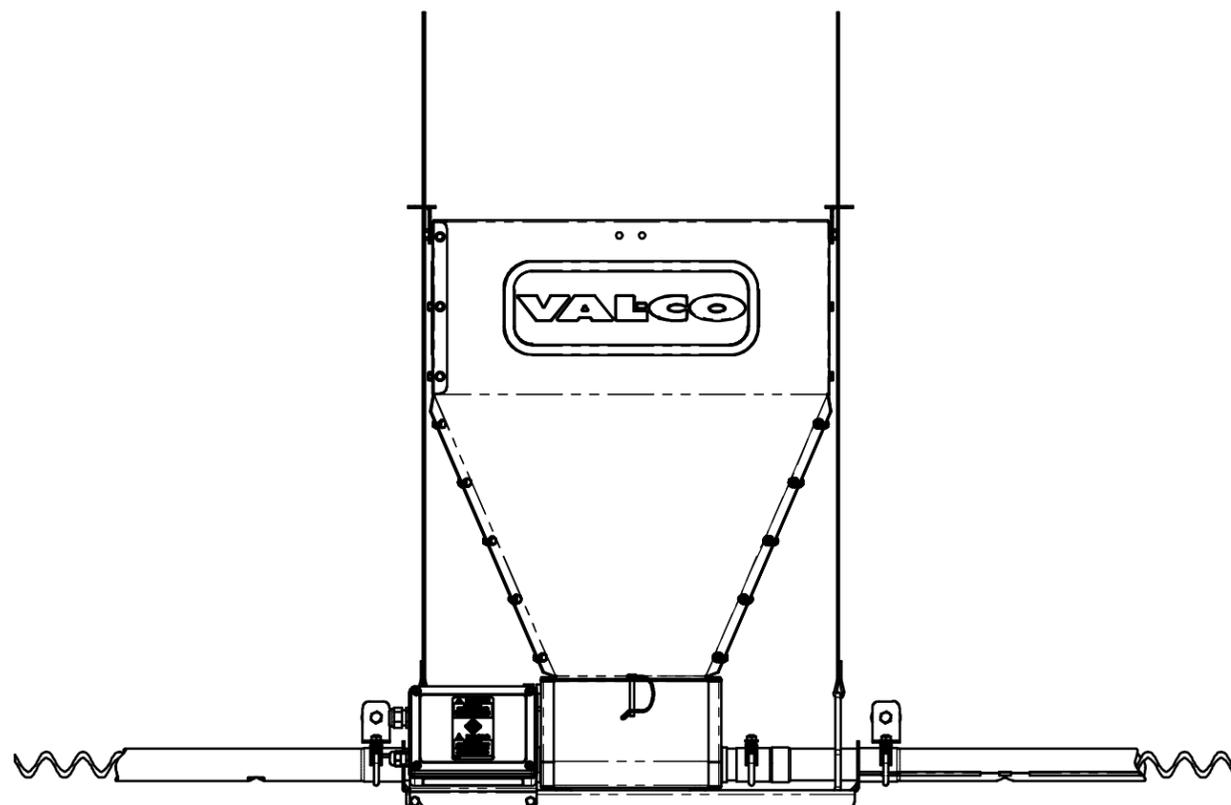
REV. -

REV	ECN#	DESCRIPTION	DATE	BY
-	See Sheet1	See Sheet1	-	See Sheet1

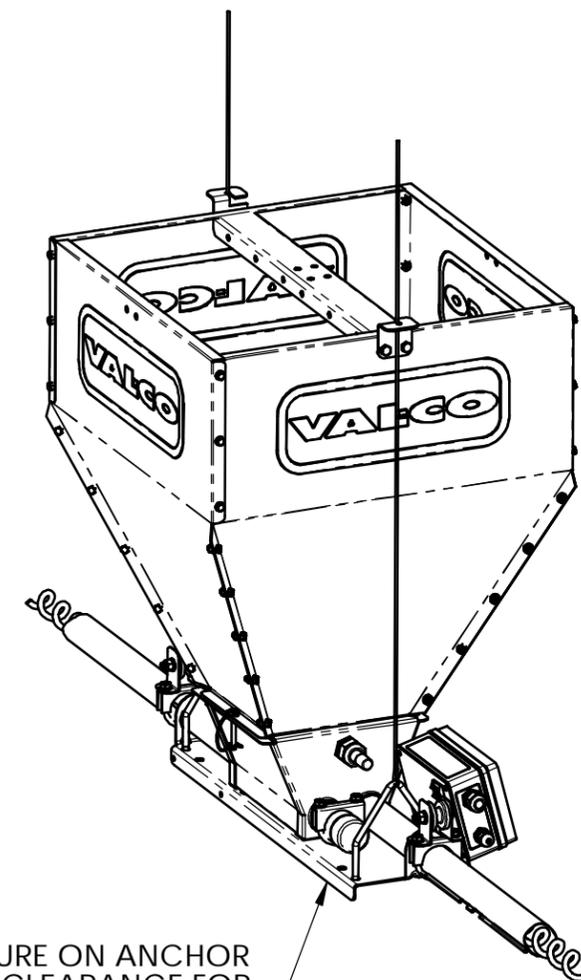
TWIN BOOT: FOLLOW THE DRILL PATTERN SHOWN BELOW
 -DRILL PROXIMITY SENSOR HOLE BEFORE INSTALLATION.
 -FOLLOW THE INSTRUCTIONS ON SHEET 2 FOR ALL OTHER FEATURES OF INSTALL



MOUNT ENCLOSURE TO SIDE OF BOOT RAIL WITH 1/4" HARDWARE. USE THE FACTORY MOUNTING HOLES IN RAIL.



DO NOT INSTALL ENCLOSURE ON ANCHOR BEARING SIDE TO LEAVE CLEARANCE FOR AUGER INSTALLATION PURPOSES.



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4 PLACE	± .010
HOLE DIA.	± .010
ANGULAR	± 1°

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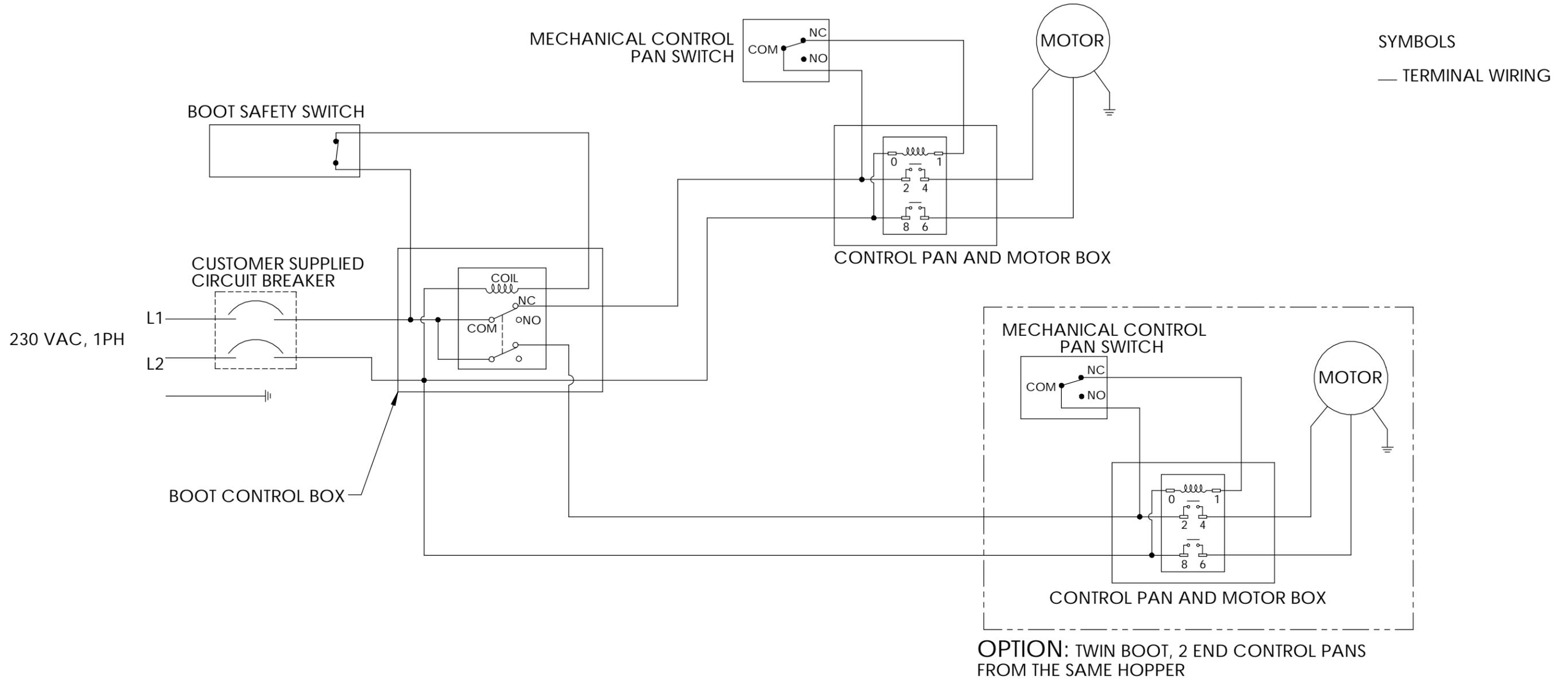
DATE	9/21/15
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WEIGHT	NA
SCALE	NA

DESCRIPTION 1	INSTR, BOOT SAFETY PROXIMITY
DESCRIPTION 2	-
SHEET 3 OF 5	990140
REV.	-

SCHEMATIC:

-PROXIMITY BOOT SAFETY SWITCH USED WITH MECHANICAL SWITCH CONTROL PANS

REV	ECN#	DESCRIPTION	DATE	BY
-	See Sheet1	See Sheet1	-	See Sheet1



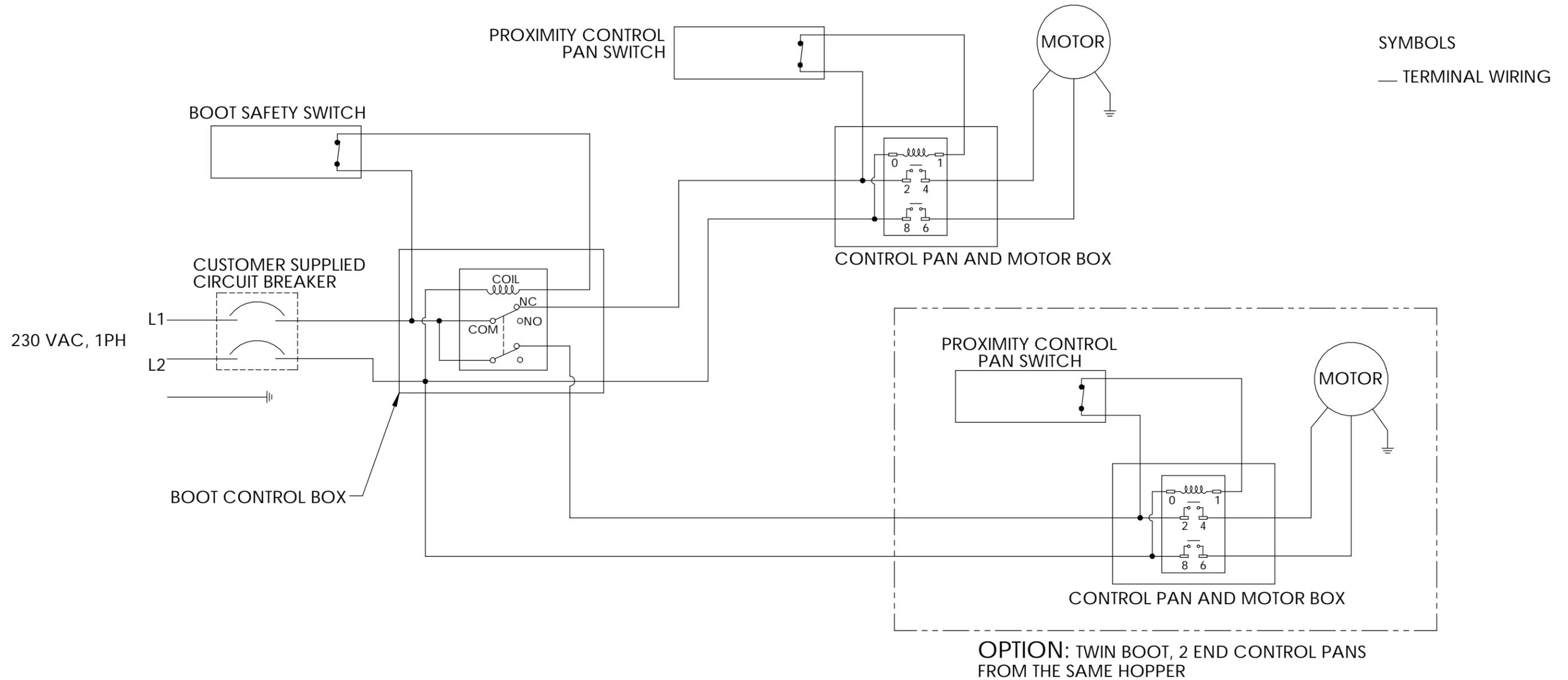
- REFER TO MANUAL FOR WIRE DETAILS
- ALL ELECTRICAL WORK MUST COMPLY WITH LOCAL AND NATIONAL ELECTRIC CODES
- ALL ELECTRICAL WORK MUST BE DONE BY A CERTIFIED ELECTRICIAN

UNSPECIFIED TOLERANCES 2 PLACE ± .060 3 PLACE ± .030 4 PLACE ± .010 HOLE DIA. ± .010 ANGULAR ± 1°	DIMENSIONS ARE IN INCHES DIMENSIONS IN () ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED. DO NOT SCALE	 VALCO COMPANIES, INC. PO BOX 8 NEW HOLLAND, PA 17557
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	DRAWN LRA	DESCRIPTION 2 -
	CHECK -	
	WEIGHT NA	
SCALE NA	SHEET 4 OF 5	990140
		REV. -

SCHEMATIC:

-PROXIMITY BOOT SAFETY SWITCH USED WITH PROXIMITY SWITCH CONTROL PANS

REV	ECN#	DESCRIPTION	DATE	BY
-	See Sheet1	See Sheet1	-	See Sheet1



- REFER TO MANUAL FOR WIRE DETAILS
- ALL ELECTRICAL WORK MUST COMPLY WITH LOCAL AND NATIONAL ELECTRIC CODES
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UNSPECIFIED TOLERANCES 2 PLACE ± .060 3 PLACE ± .030 4 PLACE ± .010 HOLE DIA. ± .010 ANGULAR ± 1°	DIMENSIONS ARE IN INCHES DIMENSIONS IN () ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED. DO NOT SCALE	 VALCO COMPANIES, INC. PO BOX 8 NEW HOLLAND, PA 17557
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	DRAWN LRA	DESCRIPTION 2 -
	CHECK -	
	WEIGHT NA	
SCALE NA	SHEET 5 OF 5	990140
		REV. -