BOOT SAFETY PROXIMITY SWITCH INSTRUCTIONS

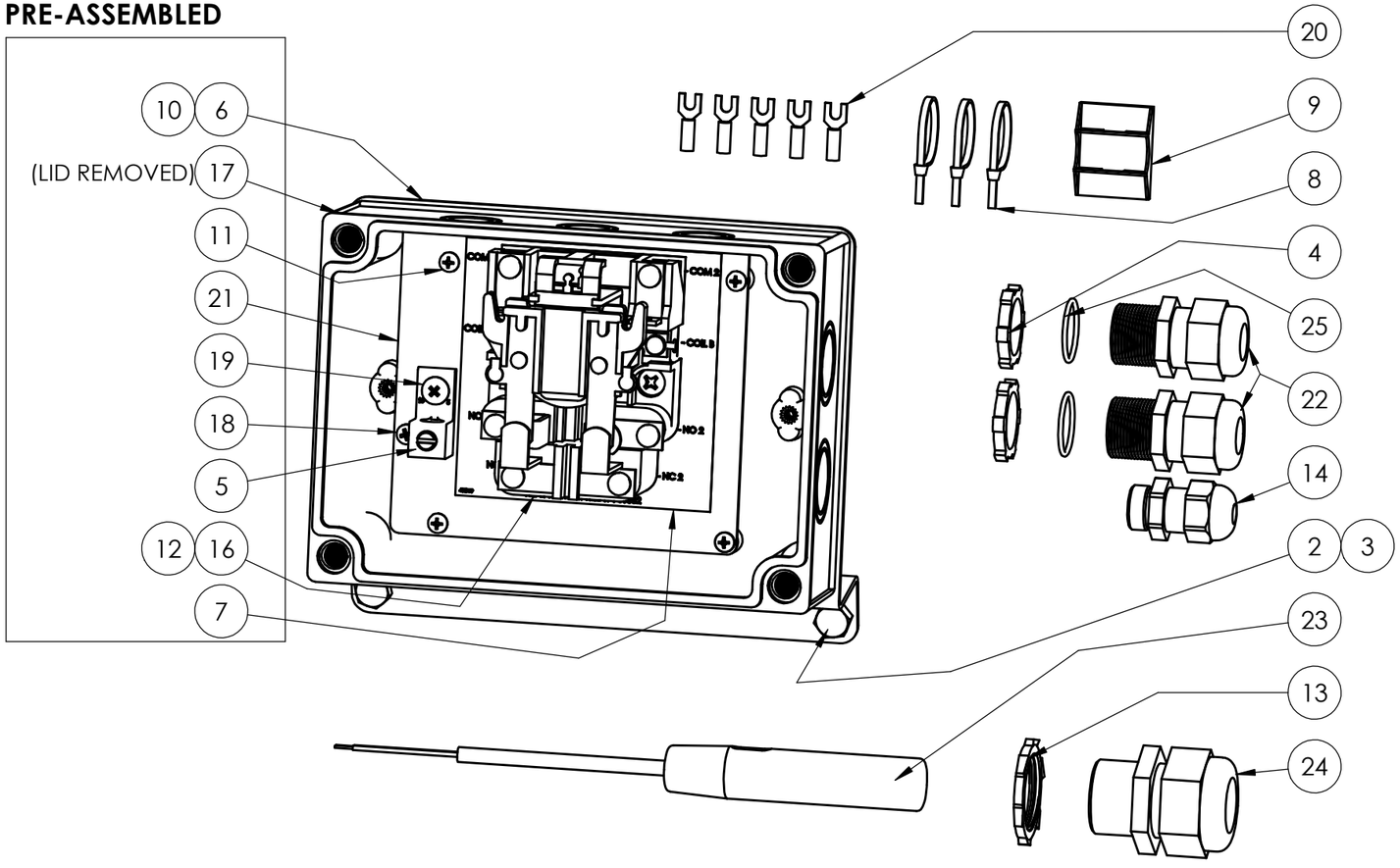
REV	ECN#	DESCRIPTION	DATE	BY
-	13177	INSTRUCTION SHEET CREATION	9/22/2015	LRA
A	17448	UPDATED TO MATCH NEWEST REV OF 455800	4/8/2026	OSW

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.

BILL OF MATERIALS

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, NYLOCK, 1/4-20	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	CABLE TIE, 3.62IN L,	3
9	690190	HOLDER, CABLE TIE, ADHESIVE	1
10	690361	SCREW, PHILLIPS, #10-14 X 3/4"	4
11	690364	SCREW, PAN, #6-19 X 3/8"	4
12	690368	SCREW, PAN, #10-32 X 5/8"	2
13	690369	NUT, LOCK, CONDUIT 3/4"	1
14	713419	CORD GRIP, PG-9, BLK PLASTIC	1
15	730047	HIGH VOLTAGE WARNING LABEL	1
16	730332	RELAY, DPDT, 240VAC, 40A,	1
17	730448	ENCLOSURE 5 x 7 x 3 W/KO	1
18	730514	SCREW, PAN, #6-32 X 1/4"	1
19	730516	SCREW, PAN, #10-32 X 1/4"	1
20	730521	TERMINAL, SPADE, 16-14AWG, #6	5
21	730541	MOUNTING PLATE, CONTROL BOX	1
22	750030	STRAIGHT-THRU GROMMET	2
23	750437	SENSOR, PROXIMITY, DOL 26	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°

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DO NOT SCALE

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

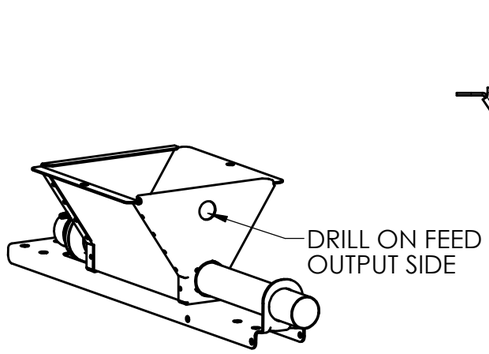
VALCO COMPANIES, INC.
PO BOX 8
NEW HOLLAND, PA 17557

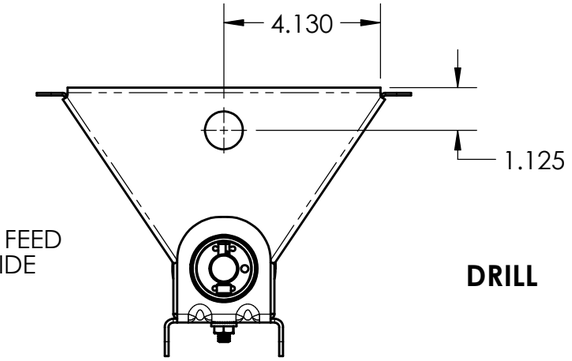
DESCRIPTION 1: INSTR, BOOT SAFETY PROXIMITY
DESCRIPTION 2: -

SHEET 1 OF 5 | 990140 | REV. A

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.



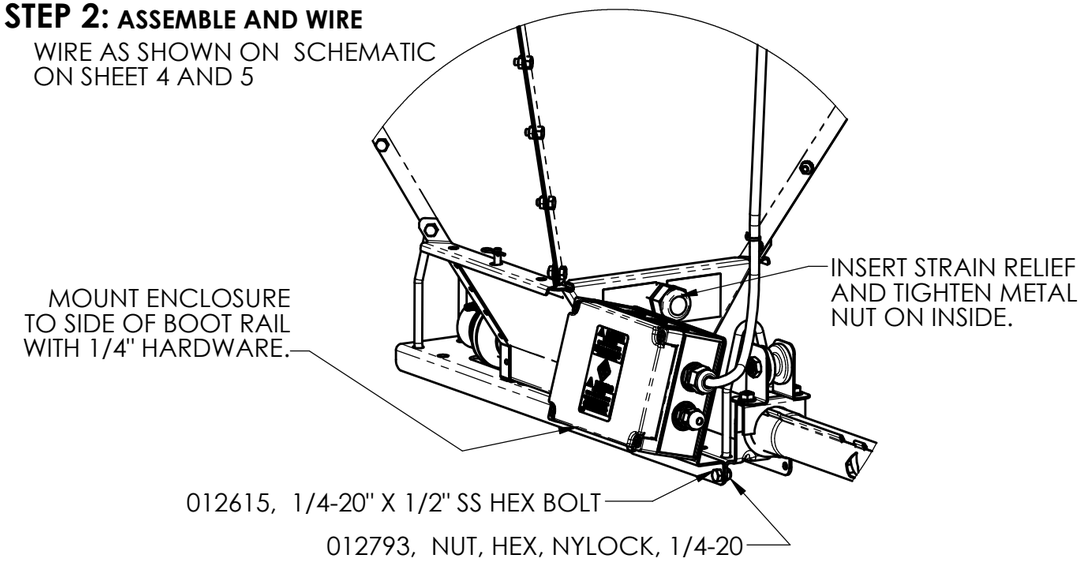


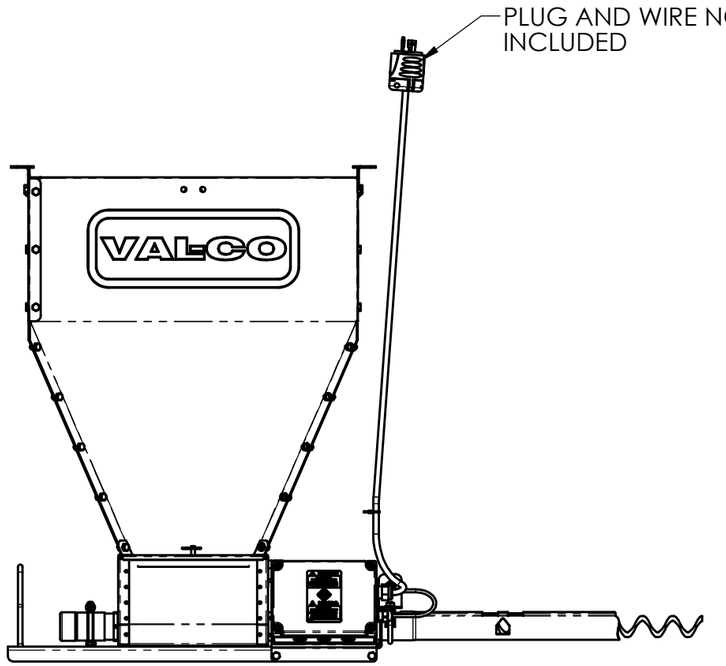
DRILL

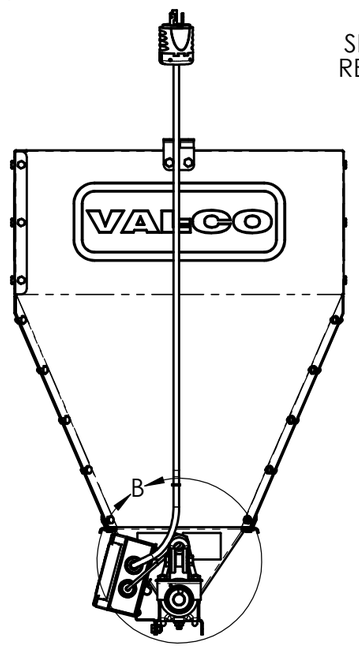
DETAIL B
SCALE 1 : 4

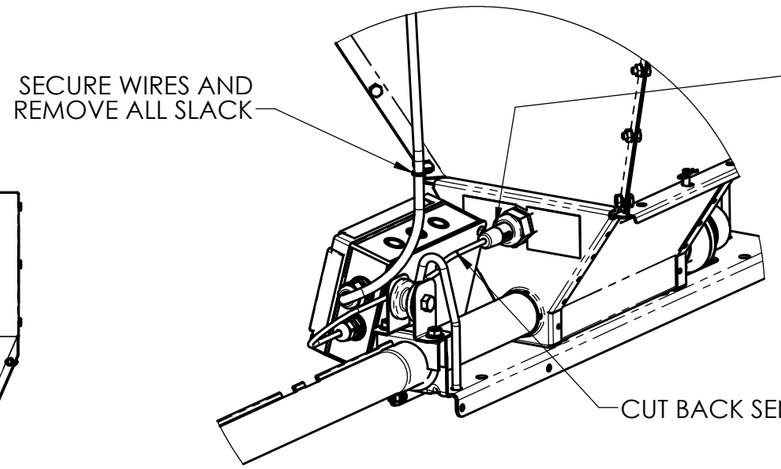
STEP 2: ASSEMBLE AND WIRE

WIRE AS SHOWN ON SCHEMATIC
ON SHEET 4 AND 5









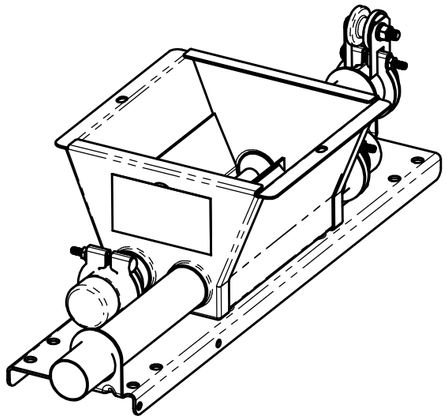
UNSPECIFIED TOLERANCES 2 PLACE ± .060 3 PLACE ± .030 4 PLACE ± .010 HOLE DIA. ± .010 ANGULAR ± 1°	DIMENSIONS ARE IN INCHES DIMENSIONS IN ( ) ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED. DO NOT SCALE	**VALCO COMPANIES, INC.** PO BOX 8 NEW HOLLAND, PA 17557
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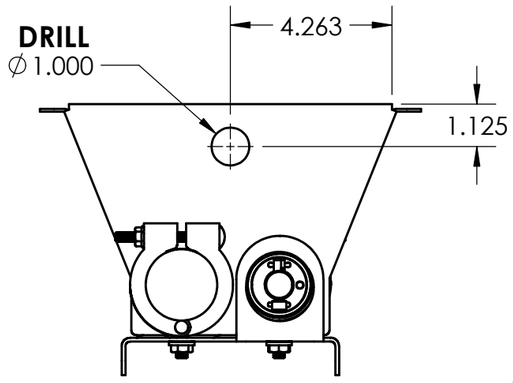
REV	ECN#	DESCRIPTION	DATE	BY
-	See Sheet1	See Sheet1	-	See Sheet1

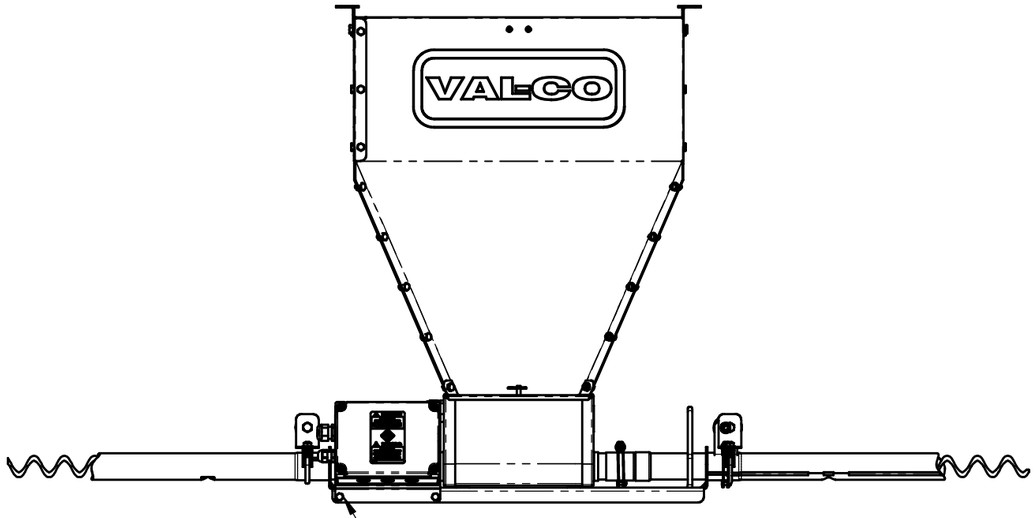
TWIN BOOT: FOLLOW THE DRILL PATTERN SHOWN BELOW

-DRILL PROXIMITY SENSOR HOLE BEFORE INSTALLATION.

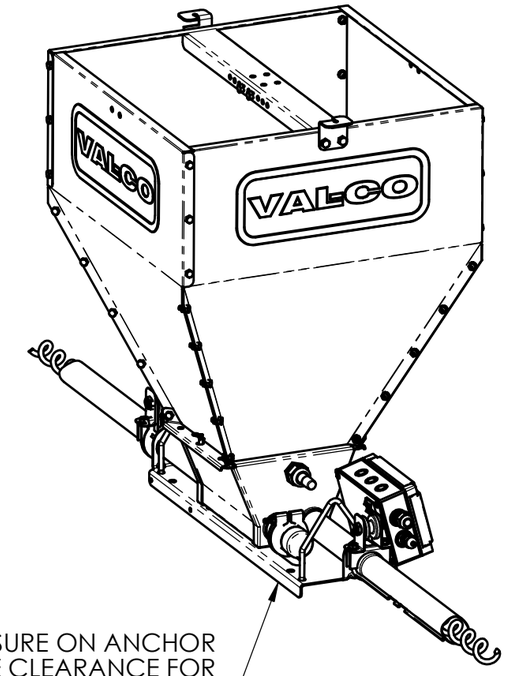
-FOLLOW THE INSTRUCTIONS ON SHEET 2 FOR ALL OTHER FEATURES OF INSTALL







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



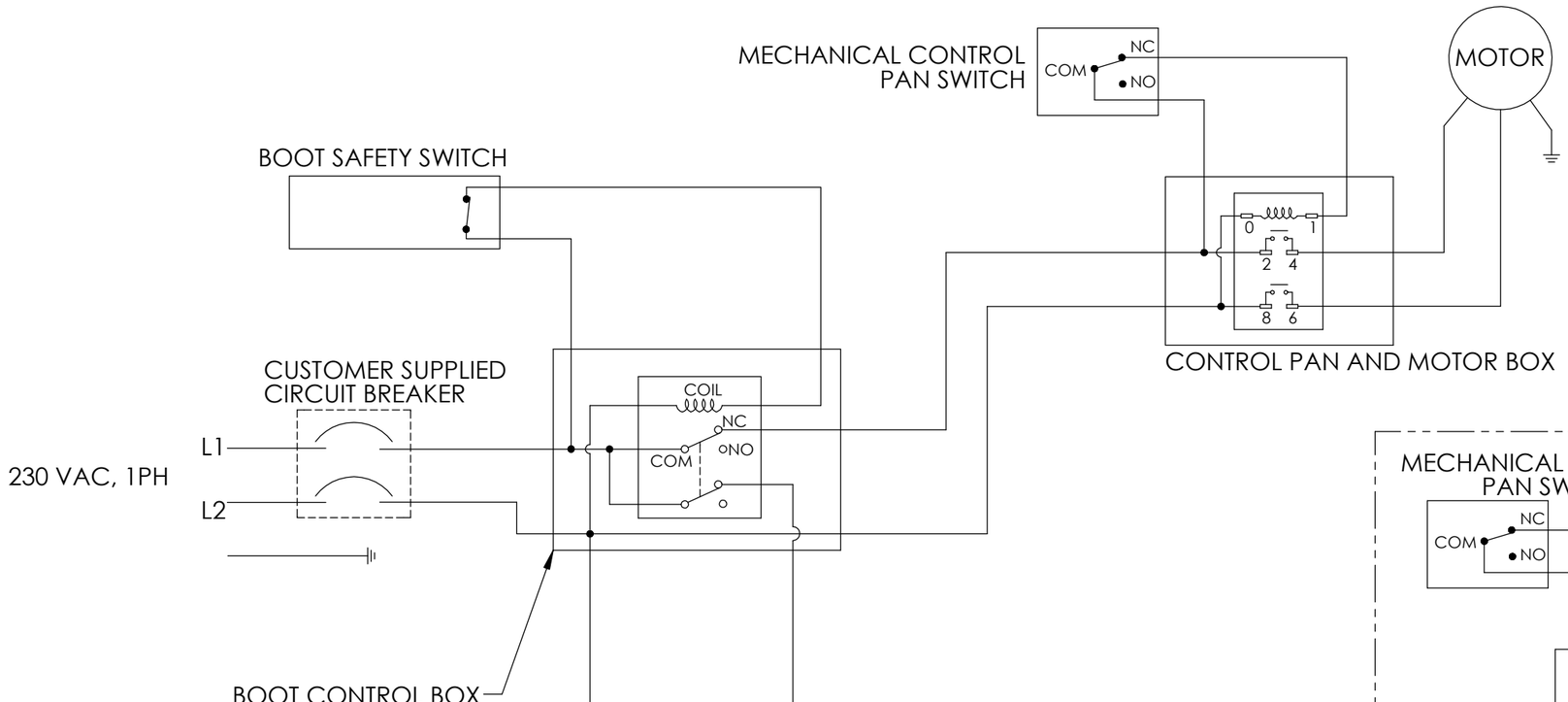
DO NOT INSTALL ENCLOSURE ON ANCHOR BEARING SIDE TO LEAVE CLEARANCE FOR AUGER INSTALLATION PURPOSES.

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-	See Sheet1	See Sheet1	-	See Sheet1

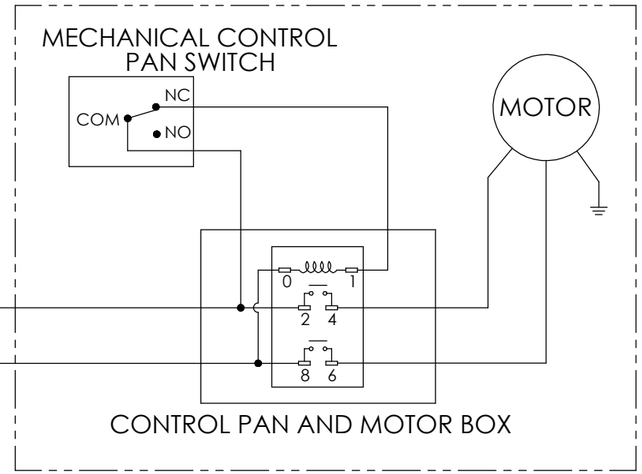
SCHEMATIC:

-PROXIMITY BOOT SAFETY SWITCH USED WITH MECHANICAL SWITCH CONTROL PANS



SYMBOLS

— TERMINAL WIRING



OPTION: TWIN BOOT, 2 END CONTROL PANS FROM THE SAME HOPPER

- 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

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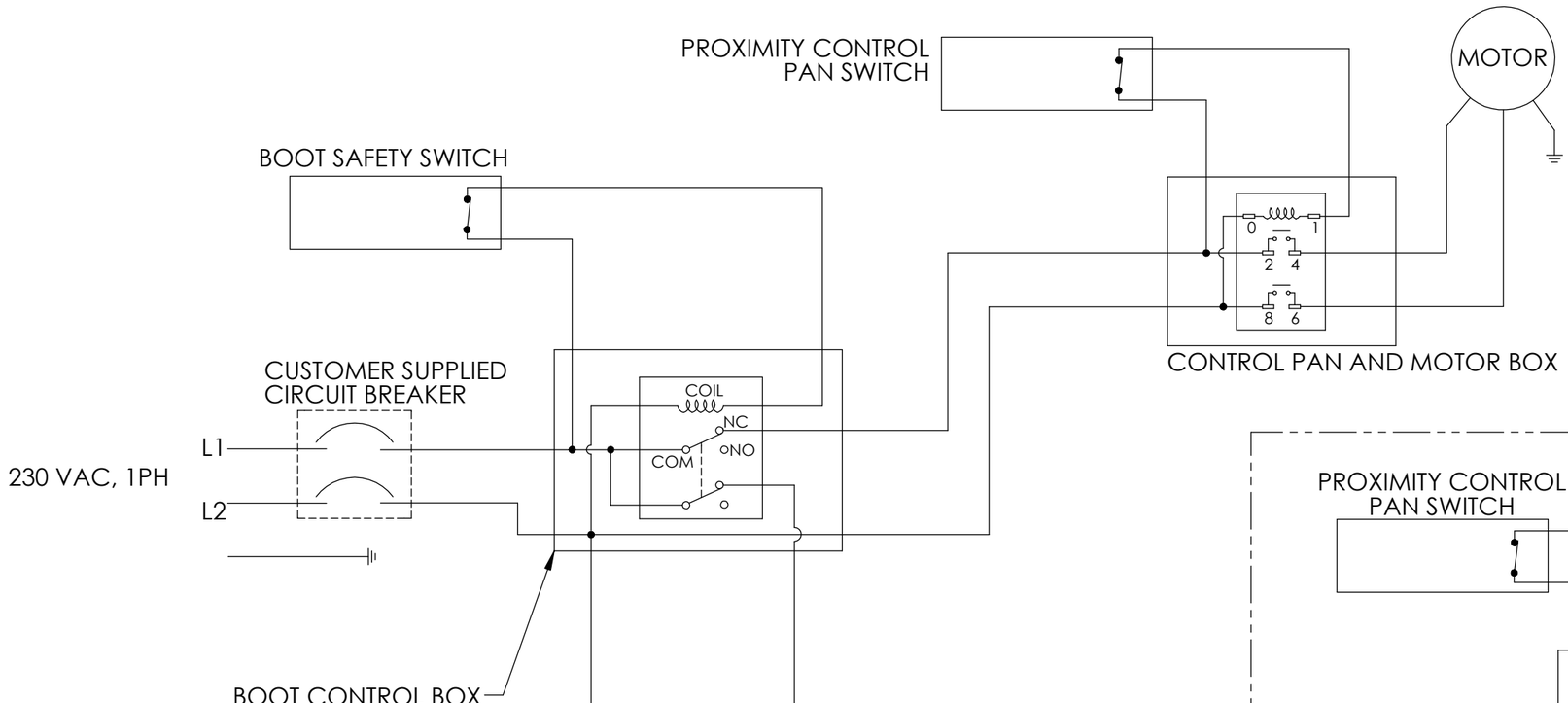
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REV	ECN#	DESCRIPTION	DATE	BY
-	See Sheet1	See Sheet1	-	See Sheet1

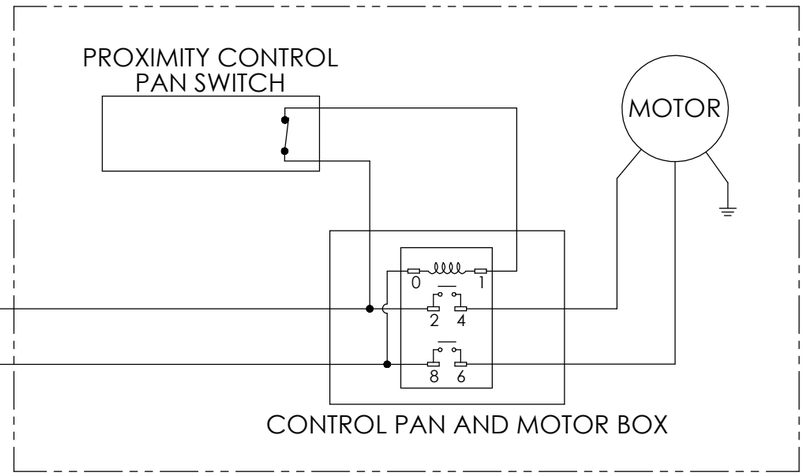
SCHEMATIC:

-PROXIMITY BOOT SAFETY SWITCH USED WITH PROXIMITY SWITCH CONTROL PANS



SYMBOLS

— TERMINAL WIRING



OPTION: TWIN BOOT, 2 END CONTROL PANS FROM THE SAME HOPPER

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		SHEET 5 OF 5	990140 REV. A