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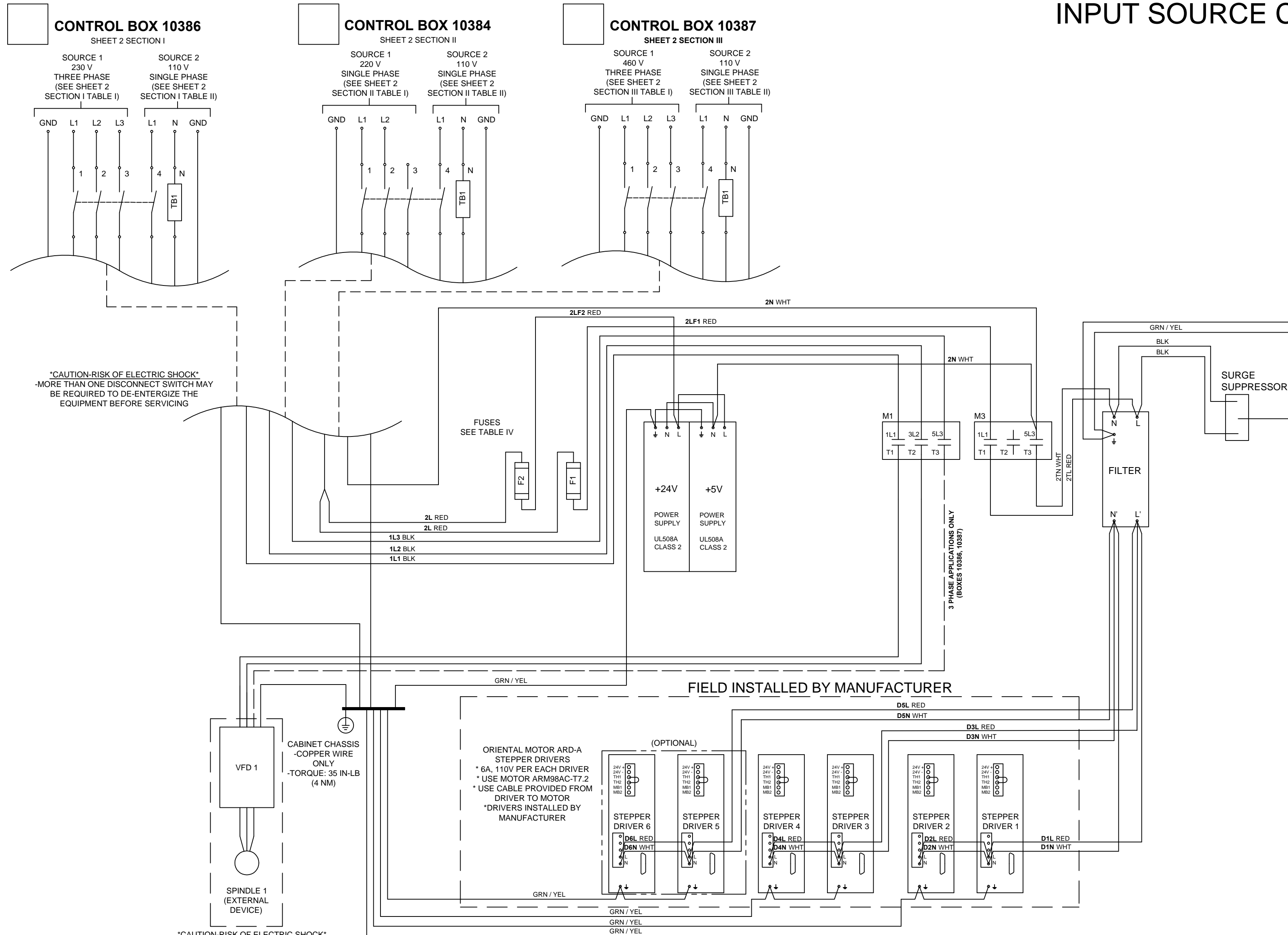
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INPUT SOURCE CONFIGURATION



UL508A



CAUTION-RISK OF ELECTRIC SHOCK
 -MORE THAN ONE DISCONNECT SWITCH MAY
 BE REQUIRED TO DE-ENERGIZE THE
 EQUIPMENT BEFORE SERVICING

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 -MORE THAN ONE DISCONNECT SWITCH MAY
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 EQUIPMENT BEFORE SERVICING

FIELD INSTALLED BY MANUFACTURER

ORIENTAL MOTOR ARD-A
 STEPPER DRIVERS
 * 6A, 110V PER EACH DRIVER
 * USE MOTOR ARM98AC-T7.2
 * USE CABLE PROVIDED FROM
 DRIVER TO MOTOR
 * DRIVERS INSTALLED BY
 MANUFACTURER

FOR LOAD TABLES AND
 BREAKER INFO SEE
 SHEET 2

ALL WIRING, CONDUCTOR SIZE AND CONDUCTOR TYPE DEVIATIONS MUST BE APPROVED BY SHOPBOT TOOLS
 *CONTACT SHOPBOT TOOLS FOR OPTIONAL WIRING INFORMATION



Durham, North Carolina

DIM UNITS: MM SCALE: NONE

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TITLE POWER DIAGRAM BOX 010401-54					
DRAWN KWP	DATE 3/13/15	CHECKED -	DATE -	APPROVED -	DATE -
SIZE C	DRAWING NUMBER 004464-00			REV 1	
PART NUMBER 004464-01			SHEET 1 OF 2		

1	441	2/8/19	GAB	Add UL label, modify notes and change power wire labels to match new nomenclature	-
REV	CHG NOTICE	DATE	BY	REVISION DESCRIPTION	APVD

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SECTION I: CONTROL BOX 10386 2.2-5HP SINGLE SPINDLE, 230V 3 PHASE POWER FOR SPINDLE, 110V SINGLE PHASE POWER FOR CONTROLS

TABLE I INPUT SOURCE 1- 230V 3 PHASE 60HZ. SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED). TOTAL FULL LOAD, LARGEST MOTOR LOAD, RECOMMENDED BRANCH PROTECTION, FIELD WIRING TERMINALS, WIRE SIZE (AWG)*, SO CORD*, WIRE TYPE*, SCREW TORQUE.

TABLE II INPUT SOURCE 2- 110V 1 PHASE 60HZ. TOTAL FULL LOAD, LARGEST MOTOR LOAD, RECOMMENDED FEEDER PROTECTION, FIELD WIRING TERMINAL, WIRE SIZE (AWG)*, SO CORD*, WIRE TYPE*, SCREW TORQUE.

TABLE III OUTPUT LOAD- 230V 3 PHASE 60HZ. SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED), YASKAWA (VFD) VARIABLE FREQUENCY DRIVE, LOAD, FIELD WIRING TERMINALS, WIRE SIZE (AWG)*, SO CORD*, WIRE TYPE*, SCREW TORQUE.

TABLE IV FUSE NO., RATING. F1 20A CLASS CC-600V (LITTLE FUSE CCMR20A), F2 3A CLASS CC-600V (LITTLE FUSE CCMR3A).

SECTION II: CONTROL BOX 10384 2.2-3HP SINGLE SPINDLE, 220V SINGLE PHASE POWER FOR SPINDLE, 110V SINGLE PHASE POWER FOR CONTROLS

TABLE I INPUT SOURCE 1- 220V 1 PHASE 60HZ. SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED). TOTAL FULL LOAD, LARGEST MOTOR LOAD, RECOMMENDED BRANCH PROTECTION, FIELD WIRING TERMINALS, WIRE SIZE (AWG)*, SO CORD*, WIRE TYPE*, SCREW TORQUE.

TABLE II INPUT SOURCE 2- 110V 1 PHASE 60HZ. TOTAL FULL LOAD, LARGEST MOTOR LOAD, RECOMMENDED FEEDER PROTECTION, FIELD WIRING TERMINAL, WIRE SIZE (AWG)*, SO CORD*, WIRE TYPE*, SCREW TORQUE.

TABLE III OUTPUT LOAD- 220V 1 PHASE 60HZ. SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED), YASKAWA (VFD) VARIABLE FREQUENCY DRIVE, LOAD, FIELD WIRING TERMINALS, WIRE SIZE (AWG)*, SO CORD*, WIRE TYPE*, SCREW TORQUE.

TABLE IV FUSE NO., RATING. F1 20A CLASS CC-600V (LITTLE FUSE CCMR20A), F2 3A CLASS CC-600V (LITTLE FUSE CCMR3A).

SECTION III: CONTROL BOX 10387 3HP & 5HP SINGLE SPINDLE, 460V 3 PHASE POWER FOR SPINDLE, 110V SINGLE PHASE POWER FOR CONTROLS

TABLE I INPUT SOURCE 1- 460V 3 PHASE 60HZ. SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED). TOTAL FULL LOAD, LARGEST MOTOR LOAD, RECOMMENDED BRANCH PROTECTION, FIELD WIRING TERMINALS, WIRE SIZE (AWG)*, SO CORD*, WIRE TYPE*, SCREW TORQUE.

TABLE II INPUT SOURCE 2- 110V 1 PHASE 60HZ. TOTAL FULL LOAD, LARGEST MOTOR LOAD, RECOMMENDED FEEDER PROTECTION, FIELD WIRING TERMINAL, WIRE SIZE (AWG)*, SO CORD*, WIRE TYPE*, SCREW TORQUE.

TABLE III OUTPUT LOAD- 460V 3 PHASE 60HZ. SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED), VFD, LOAD, FIELD WIRING TERMINALS, WIRE SIZE (AWG)*, SO CORD*, WIRE TYPE*, SCREW TORQUE.

TABLE IV FUSE NO., RATING. F1 20A CLASS CC-600V (LITTLE FUSE CCMR20A), F2 3A CLASS CC-600V (LITTLE FUSE CCMR3A).



UL508A

DIM UNITS: MM SCALE: NONE

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TITLE POWER DIAGRAM BOX 010401-54

DRAWN KWP DATE 3/13/15 CHECKED DATE APPROVED DATE

SIZE C DRAWING NUMBER 004464-00 REV 1

PART NUMBER 004464-01 SHEET 2 OF 2

Revision table with columns: REV, CHG NOTICE, DATE, BY, REVISION DESCRIPTION. Row 1: 1, 441, 2/8/19, GAB, Add UL label, modify notes and change power wire labels to match new nomenclature.

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