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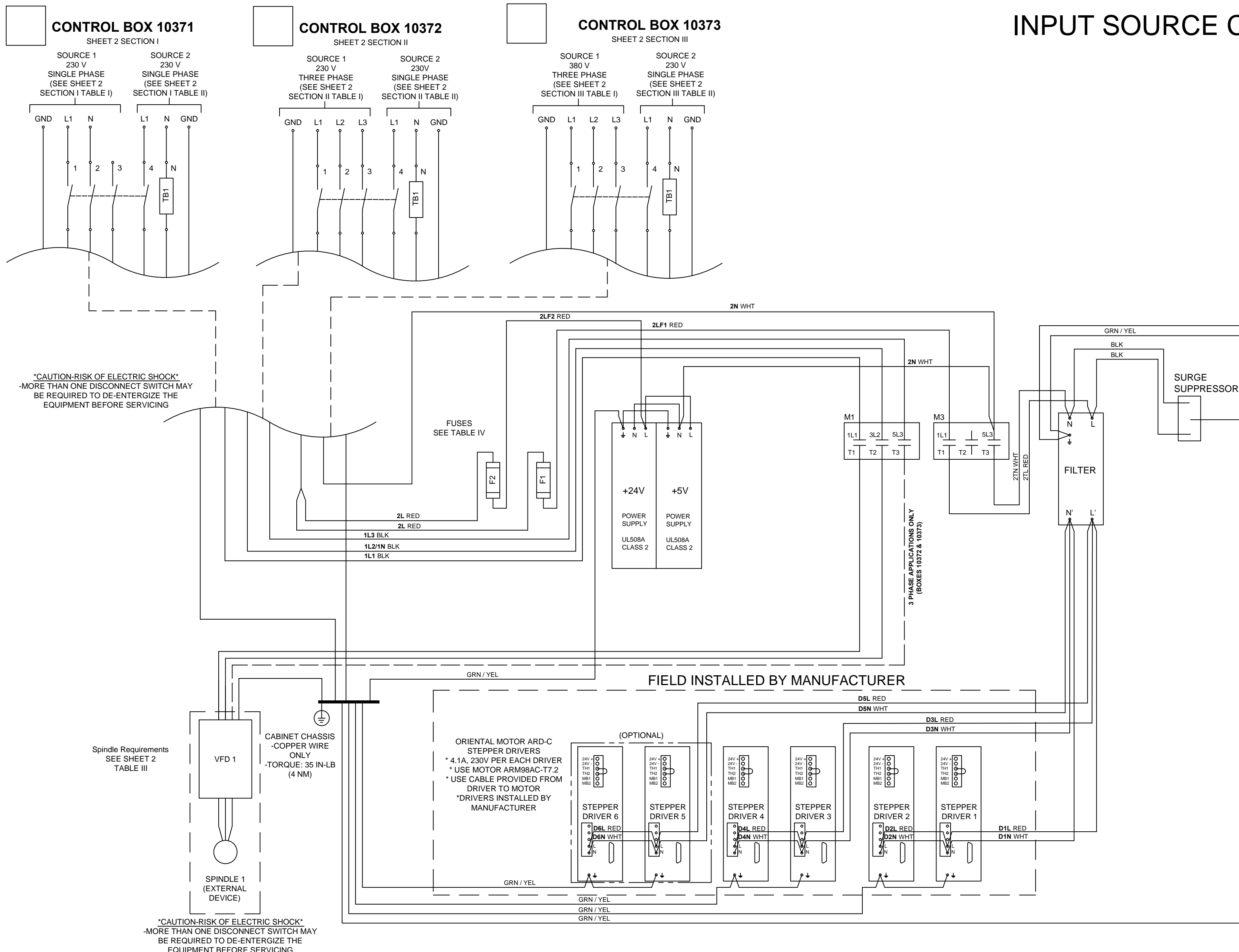
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INPUT SOURCE CONFIGURATION



UL508A



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

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

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

FOR LOAD TABLES AND BREAKER INFO SEE SHEET 2



Durham, North Carolina

TITLE POWER DIAGRAM 010401-71					
DRAWN GAB	DATE 2/8/19	CHECKED -	DATE -	APPROVED -	DATE -
SIZE C	DRAWING NUMBER 003920-00			REV 0	
PART NUMBER 003920-01			SHEET 1 OF 2		

DIM UNITS: MM SCALE: NONE

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0		2/8/19	GAB	Initial Release	
REV	CHG NOTICE	DATE	BY	REVISION DESCRIPTION	APVD

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SECTION I: CONTROL BOX 10371 2.2-5HP or 5HP ATC SINGLE SPINDLE: 230V SINGLE PHASE POWER FOR SPINDLE, 230V SINGLE PHASE POWER FOR CONTROLS

TABLE I INPUT SOURCE 1 - 230V 1 PHASE 50/60HZ. 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 (mm²)*, SO CORD AWG (mm²)*, WIRE TYPE *, SCREW TORQUE.

TABLE II INPUT SOURCE 2 - 230V 1 PHASE 50/60HZ. TOTAL FULL LOAD, LARGEST MOTOR LOAD, RECOMMENDED FEEDER PROTECTION (INVERSE TIME CIRCUIT BREAKER) (PROVIDED BY ELECTRICIAN), FIELD WIRING TERMINAL, WIRE SIZE AWG (mm²)*, SO CORD AWG (mm²)*, WIRE TYPE *, SCREW TORQUE.

TABLE III OUTPUT LOAD - 230V 1 PHASE 50/60HZ. SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED), YASKAWA (VFD) VARIABLE FREQUENCY DRIVE, LOAD, FIELD WIRING TERMINALS, WIRE SIZE AWG (mm²)*, SO CORD AWG (mm²)*, WIRE TYPE *, SCREW TORQUE.

TABLE IV FUSE NO., RATING. F1 10A CLASS CC-600V (LITTLE FUSE CCMR10A), F2 3A CLASS CC-600V (LITTLE FUSE CCMR3A).

SECTION II: CONTROL BOX 10372 2.2-5HP or 5HP ATC SINGLE SPINDLE: 230V 3 PHASE POWER FOR SPINDLE, 230V SINGLE PHASE POWER FOR CONTROLS

TABLE I INPUT SOURCE 1 - 230V 3 PHASE 50/60HZ. 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 (mm²)*, SO CORD AWG (mm²)*, WIRE TYPE *, SCREW TORQUE.

TABLE II INPUT SOURCE 2 - 230V 1 PHASE 50/60HZ. TOTAL FULL LOAD, LARGEST MOTOR LOAD, RECOMMENDED FEEDER PROTECTION (INVERSE TIME CIRCUIT BREAKER) (PROVIDED BY ELECTRICIAN), FIELD WIRING TERMINAL, WIRE SIZE AWG (mm²)*, SO CORD AWG (mm²)*, WIRE TYPE *, SCREW TORQUE.

TABLE III OUTPUT LOAD - 230V 3 PHASE 50/60HZ. SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED), YASKAWA (VFD) VARIABLE FREQUENCY DRIVE, LOAD, FIELD WIRING TERMINALS, WIRE SIZE AWG (mm²)*, SO CORD AWG (mm²)*, WIRE TYPE *, SCREW TORQUE.

TABLE IV FUSE NO., RATING. F1 10A CLASS CC-600V (LITTLE FUSE CCMR10A), F2 3A CLASS CC-600V (LITTLE FUSE CCMR3A).

SECTION I: CONTROL BOX 10373 3HP, 5HP or 5HP ATC SINGLE SPINDLE: 380V 3 PHASE POWER FOR SPINDLE, 230V SINGLE PHASE POWER FOR CONTROLS

TABLE I INPUT SOURCE 1 - 380V 3 PHASE 50/60HZ. 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 (mm²)*, SO CORD AWG (mm²)*, WIRE TYPE *, SCREW TORQUE.

TABLE II INPUT SOURCE 2 - 230V 1 PHASE 50/60HZ. TOTAL FULL LOAD, LARGEST MOTOR LOAD, RECOMMENDED FEEDER PROTECTION (INVERSE TIME CIRCUIT BREAKER) (PROVIDED BY ELECTRICIAN), FIELD WIRING TERMINAL, WIRE SIZE AWG (mm²)*, SO CORD AWG (mm²)*, WIRE TYPE *, SCREW TORQUE.

TABLE III OUTPUT LOAD - 380V 3 PHASE 50/60HZ. SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED), YASKAWA (VFD) VARIABLE FREQUENCY DRIVE, LOAD, FIELD WIRING TERMINALS, WIRE SIZE AWG (mm²)*, SO CORD AWG (mm²)*, WIRE TYPE *, SCREW TORQUE.

TABLE IV FUSE NO., RATING. F1 10A CLASS CC-600V (LITTLE FUSE CCMR10A), F2 3A CLASS CC-600V (LITTLE FUSE CCMR3A).



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POWER DIAGRAM BOX 010401-71. DRAWN GAB, DATE 2/8/19, CHECKED, DATE, APPROVED, DATE. SIZE C, DRAWING NUMBER 003920-00, REV 0. PART NUMBER 003920-01, SHEET 2 OF 2.

Revision table with columns: REV, CHG NOTICE, DATE, BY, REVISION DESCRIPTION, APVD.

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