



**STOP CONNECTIONS ARE SHOWN IN RED**  
**OPTIONAL CONNECTIONS ARE SHOWN IN BLUE**  
**GROUND CONNECTIONS ARE SHOWN IN GREEN**  
**110VAC CONNECTIONS ARE SHOWN IN VIOLET**  
**3 PHASE CONNECTIONS ARE SHOWN IN ORANGE**  
**24VAC CONNECTIONS ARE SHOWN IN BROWN**

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REV	DATE	DESCRIPTION	BY
	1-5-17-2016	INITIAL RELEASE	SPM
2	6-1-2016	CORRECTION PER REVIEW	SPM
3	7-15-2016	ROTATED CONTACTORS TO SHOW PROPER ORIENTATION, ROTATED PLCADD1616 180°. ADDED SIGNAL LABELS TO OAK OUTPUTS, REMOVED UNNECESSARY COMPONENTS, CHANGED LINETYPE OF OPTIONAL CIRCUIT BREAKERS, CHANGED GROUND STRIP REPRESENTATION, NOTE 4 WORDING, AND TITLE, SWAPPED WIRES ON CNT1A-B, REPLACED MOTION CONTROL WITH OAK	SPM DRS
4	8-5-2016	FIXED WIRE COLORS FOR SPINDLE INVERTER MOTOR CONNECTION, CHANGED GND-3 FOR CONSOLE POWER CONNECTOR TO GND-17, ADDED CONSOLE GND LUG TO CABINET GND LUG CONNECTION (OAK), ADDED SPINDLER LABEL, AND PN, ADDED GROUND TO PLCADD1616 POWER SUPPLY, AND BOARD, CHANGED COLORS OF WIRE LABELS TO SHOW OPTIONAL, CHANGED GROUND OF WIRE 110B-102 BULK FROM 1B TO 14 (BULK), RE-ARRANGED CIRCUIT BREAKERS FOR LOGICAL CONSISTENCY, CB5 IS NOW CB8, CB6 IS NOW CB7, CB7 IS NOW CB5, CB8 IS NOW CB7.	SPM
5	9-15-2016	Corrected transformer primary, Updated probe cable, Corrected wire colors and gauges Moved PS3 and corrected depiction of PS2.	CEM

**(814) 353-9256**  
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**Title**  
 Mill, 220VAC, OAK, Yaskawa Drives,  
 Generic Inverter (VFD), Optional PLCADD1616

**Size** D **Number**

**Date** 160517

**Filename** S14765.DWG

**Rev** 5

**Drawn by** SPM

**Sheet** 1 of 1

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