

**CONTROL TRANSFORMER PRIMARY CONNECTIONS**

INPUT VOLTS	TERMINALS	JUMPER LOCATION
230/240	(H1)	(H1) TO (H3)
460/480	(H1)	(H2) TO (H4)
600	(H1)	(H2) TO (H3)

**CONTACT SEQUENCE CHART FOR S2**  
X - INDICATES CONTACT CLOSED

CONTACT	POSITION	MANUF. LOCATION / TYPE
1	HAND OFF	1R0
2	X	1L0
3	X	2R0

\* SCHEMATIC SHOWS THIS POSITION.

**CONTACT SEQUENCE CHART FOR S2**  
X - INDICATES CONTACT CLOSED

CONTACT	POSITION	MANUF. LOCATION / TYPE
1	HAND OFF	1R0
2	X	1L0
3	X	2L0

\* SCHEMATIC SHOWS THIS POSITION.

**BLOWER MOTOR**

FLA RATING	AMPS	VOLTS
3.0	2.2 - 360	240
1.5	1.6 - 477	480
3.0	515 - 660	480
1.2	1.3 - 242	600

**YASKAWA**

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DATE: 9/4/12  
 DRAWN BY: D.R. CMELAK  
 CHECKED BY: K. FLIERL  
 DATE: 9/4/12  
 DATE: 6/12/15  
 DATE: 10/07/15

ECO # 6330  
 DWP 6330  
 DWP 6330

ADD MISSING REF NUMBERS 101-141 ON PAGE 1

REV. 04  
 03

DESCRIPTION: WIRING TO BOLD LINES  
 UPDATE CUSTOMER WIRING TO BOLD LINES

REVISIONS

DATE: 9/4/12  
 DATE: 9/4/12  
 DATE: 6/12/15

BY: D.R. CMELAK  
 BY: K. FLIERL  
 BY: DWP

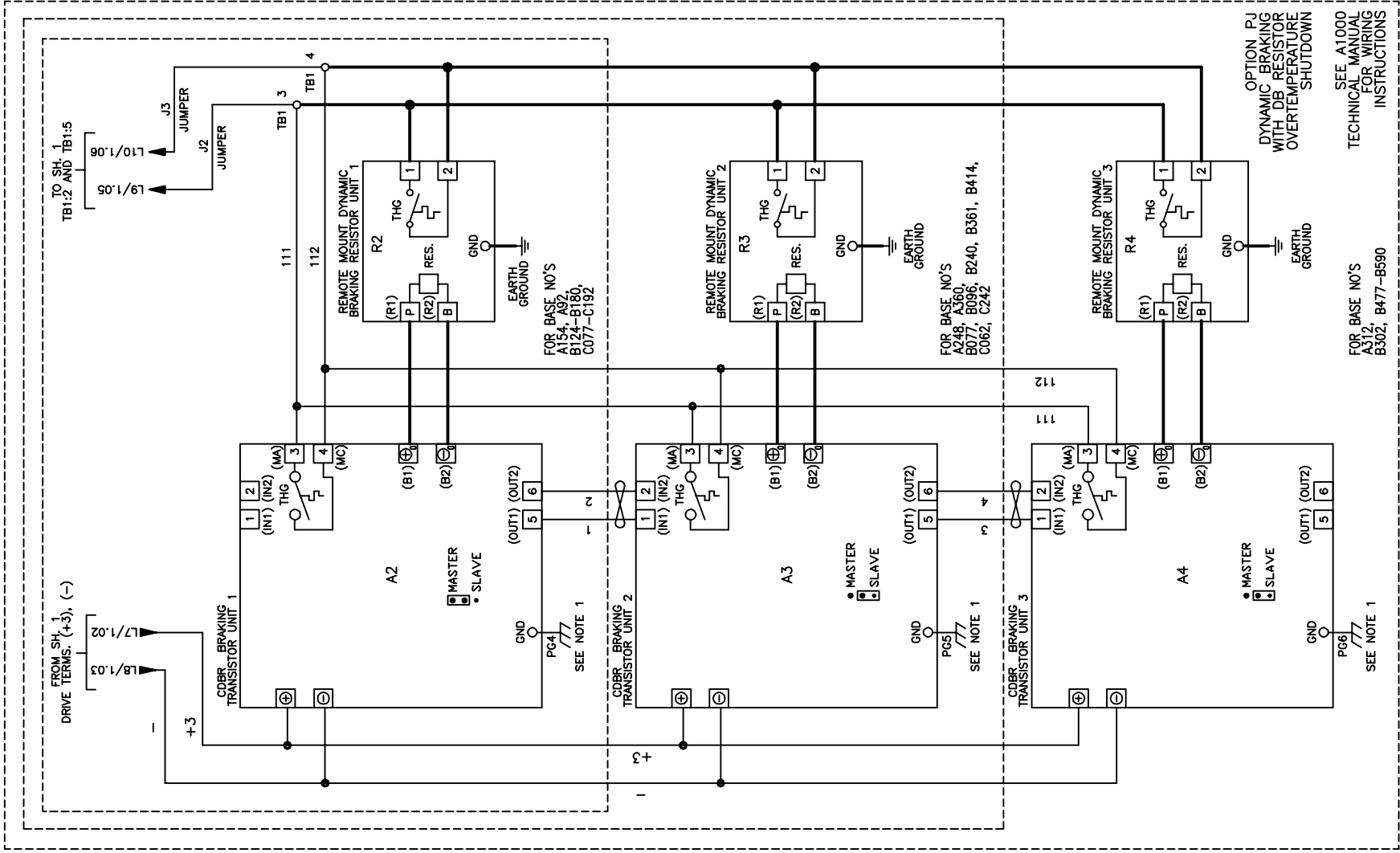
SIZE: D  
 SCALE: 04  
 SHEET: 1 OF 2

TITLE: SCHEMATIC DIAGRAM  
 MODEL: A1000  
 CONFIG TYPE: 1  
 NORMAL DUTY RATING  
 WITH OPTION PJ

DRAWING # DS-A1C1.09

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NOTES:

- CONNECTED TO THE CABINET. CUSTOMER TO CONNECT THE CABINET GROUND LUG TO EARTH GROUND.
- CONDUIT FITTINGS/HUBS SHALL COMPLY WITH THE 'STANDARD FOR CONDUIT, TUBING, AND CABLE FITTINGS, UL 514B' OR CONDUIT FITTINGS HAVING THE SAME ENVIRONMENTAL RATING AS THE ENCLOSURE SHALL BE USED.
- INSULATED TWISTED SHIELDED WIRE IS REQUIRED. SHIELD TO CONNECT TO PROPER TERMINALS AS SHOWN. CONNECT THE SHIELD ONLY AT THIS END. STUB AND ISOLATE THE OTHER END. DO NOT RUN THESE WIRES IN THE SAME CONDUIT AS THE AC POWER AND AC CONTROL WIRES. KEEP ALL WIRING UNDER 50m IN LENGTH.
- FOR A CONTROL TRANSFORMER T1, POWER RATING OF 350VA OR GREATER, SECONDARY FUSE F6 IS ADDED.
- CUSTOMER TO REMOVE JUMPERS J1 AND J4 FOR WIRING TO EXTERNAL CONTROL LOGIC, IF APPLICABLE.
- IF AC MOTOR IS FURNISHED WITH A N.C. THERMAL SWITCH THEN SET DRIVE PARAMETER H1-08 TO 27. THIS WILL CAUSE THE DRIVE TO COAST TO STOP UPON A AC MOTOR THERMAL FAULT. ALONG WITH THIS, ADD THE FOLLOWING CUSTOMER WIRING:  
WIRE THE N.C. THERMAL SWITCH BETWEEN TERMINAL S8 OF THE 120VAC INTERFACE CARD AND ONE SIDE OF THE 120VAC SOURCE.
- CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION AND MEANS OF DISCONNECT.
- OPTIONS\_ID\_IG\_TH\_OR\_IQ\_CONTROL (SEE UDE00337 FOR MORE INFORMATION):  
OPTION TD = ETHERNET/IP  
OPTION TG = DEVICENET  
OPTION TH = PROFIBUS  
OPTION TQ = ETHERNET MODBUS TCP/IP

<b>YASKAWA</b>		DRIVER: K. MALUSIC	DATE: 9/4/12	TITLE: SCHEMATIC DIAGRAM
THIS DOCUMENT AND INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND CANNOT BE COPIED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF YASKAWA AMERICA, INC.		DESIGNED: D.R. CMELAK	DATE: 9/4/12	A1000 CONFIG TYPE 1
		TECH: K. FLIERL	DATE: 9/4/12	NORMAL DUTY RATING WITH OPTION PJ
		DESIGNED BY: K. FLIERL	DATE: 9/4/12	SIZE: D
		DESIGNED BY: D.R. CMELAK	DATE: 9/4/12	REVISION: 04
		DESIGNED BY: D.R. CMELAK	DATE: 9/4/12	DRAWING #: DS-A1C1.09
				PAGE: 2 of 2