

INPUT VOLTS	TERMINALS		JUMPER LOCATION
	A	B	
230/240	(H1)	(H4)	(H1) TO (H3) (H2) TO (H4)
460/480	(H1)	(H4)	(H2) TO (H3)
600	(H1)	(H2)	NONE

CONTACT SEQUENCE CHART FOR S2
X - INDICATES CONTACT CLOSED

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

* SCHEMATIC SHOWS THIS POSITION.

BLOWER MOTOR			
FLA RATING	FOR GA800 CONFIG.		
	AMPS	VOLTS	
3.0	4.2 - 360	240	
1.5	2.1 - 477	480	
3.0	515 , 590	480	

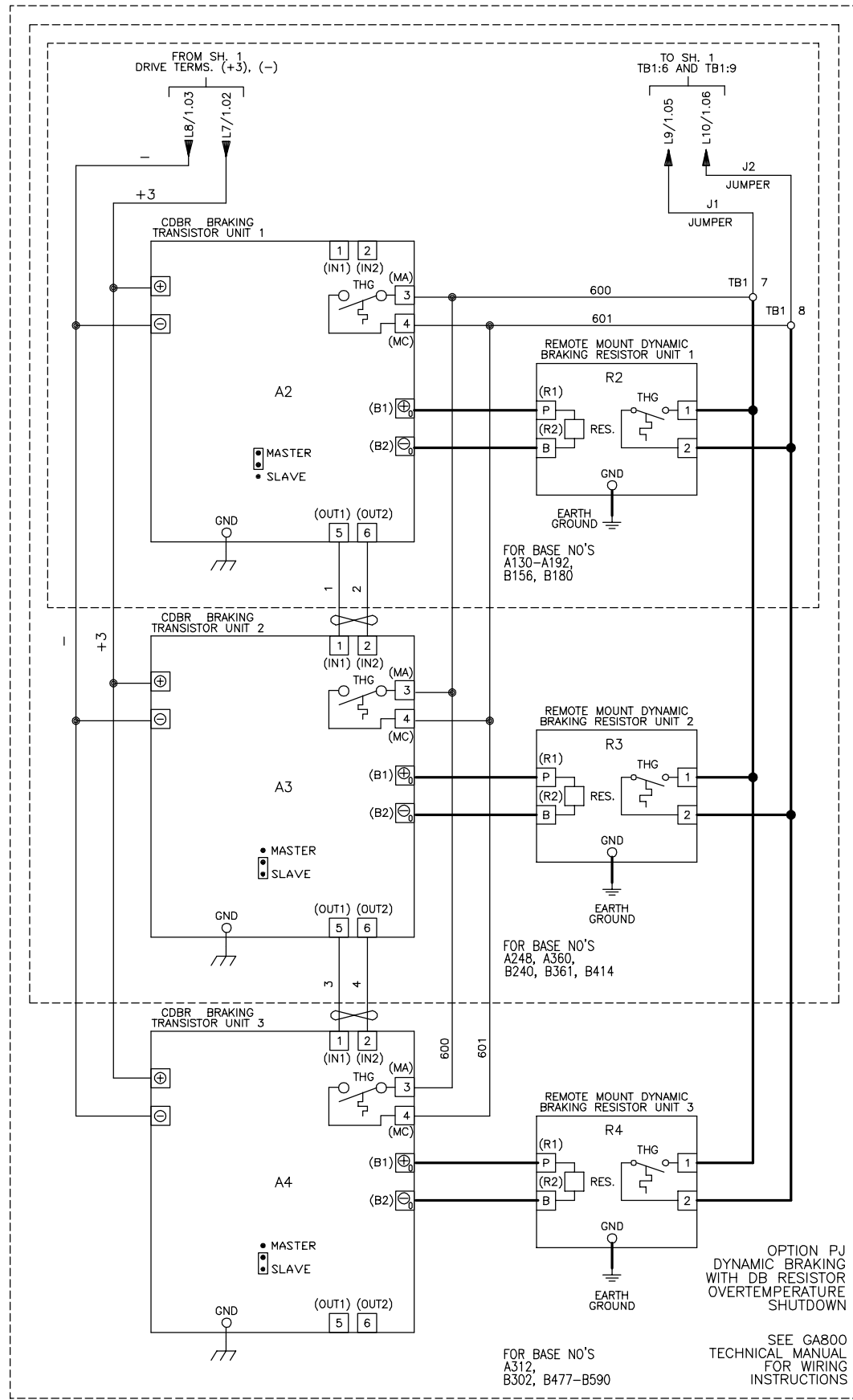
REVISIONS				
REV.	DESCRIPTION	ECD #	DRAWN BY	DATE
03	ADDED OPTION TB AND FRAME 11 WIRING	10925	KAP	10/23/20
02	ADDED MISSING OPTION BLOCKS	10868	KAP	9/29/20

YASKAWA

THIS DOCUMENT AND INFORMATION CONTAINED HEREIN ARE CONFIDENTIAL AND NOT TO BE COPIED OR DISCLOSED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN CONSENT OF YASKAWA AMERICA INC.

DRAWN BY: K. PEOPLES	DATE: 8/3/18	TITLE: SCHEMATIC DIAGRAM GA800 CONFIGURED TYPE 12 HEAVY DUTY RATING WITH OPTION PJ
CHECKED: N. LAWS	DATE: 8/3/18	SIZE: D
APPROVED: K. FLIERL	DATE: 8/3/18	REVISION: 03
ORIGINAL DESIGN: K. PEOPLES	DATE: 8/3/18	PAGE: 1 of 2

DRAWING # **DS.G8C12.02**



— INDICATES CUSTOMER WIRING.
 ⏏ — CONNECTED TO THE CABINET OR PANEL.

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 CONNECT NORMALLY OPEN BRAKING RESISTOR THERMAL SWITCHES PER THE GA800 TECHNICAL MANUAL IN PARALLEL WITH TB1-7 AND TB1-8.
- 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 DRIVE TERMINALS S8 AND SN, AS PER NOTE 3 ABOVE.
- OPTIONS TC, TD, TG, TH OR TQ CONTROL (SEE UDE00600 FOR MORE INFORMATION):
 OPTION TC = PROFINET
 OPTION TD = ETHERNET/IP
 OPTION TG = DEVICENET
 OPTION TH = PROFIBUS
 OPTION TQ = ETHERNET MODBUS TCP/IP
- DRIVE INPUT FUSES F3, F4, F5 ARE INCLUDED WITH OPTION PE, PC, PM, OR PJ FOR BASE NUMBERS B052-B590.

FOR BASE NO'S
 A130-A192,
 B156, B180

FOR BASE NO'S
 A248, A360,
 B240, B361, B414

FOR BASE NO'S
 A312,
 B302, B477-B590

OPTION PJ
 DYNAMIC BRAKING
 WITH DB RESISTOR
 OVERTEMPERATURE
 SHUTDOWN

SEE GA800
 TECHNICAL MANUAL
 FOR WIRING
 INSTRUCTIONS

REVISIONS				
REV.	DESCRIPTION	ECD #	DRAWN BY	DATE
02	ADDED OPTION TB AND FRAME 11 WIRING	10925	KAP	10/23/20
01	CHANGED CN2-2 TO CN2	10780	KG	8/19/20

YASKAWA	DRAWN BY: K. PEOPLES	DATE: 8/3/18	TITLE: SCHEMATIC DIAGRAM GA800 CONFIGURED TYPE 12 HEAVY DUTY WITH OPTION PJ	
	CHECKED: N. LAWS	DATE: 8/3/18		
	TECH: K. PEOPLES	DATE: 8/3/18		
APPROVED: K. FLIERL	DATE: 8/3/18	SIZE: D	REVISION: 02	PAGE: 2 of 2
ORIGINAL DESIGN: K. PEOPLES	DATE: 8/3/18	DRAWING #: DS.G8C12.02		