

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
04	ADDED K7, ADDED B1P1 FOR PG. REVISED NOTES 1 & 2.	13160	RJJ	6/26/23
03	CORRECTED S2 AND FE ON DRIVE	12896	KJL	2/28/23
02	MOVED SPEED POT TO THE DRIVE	12805	KJL	1/6/23

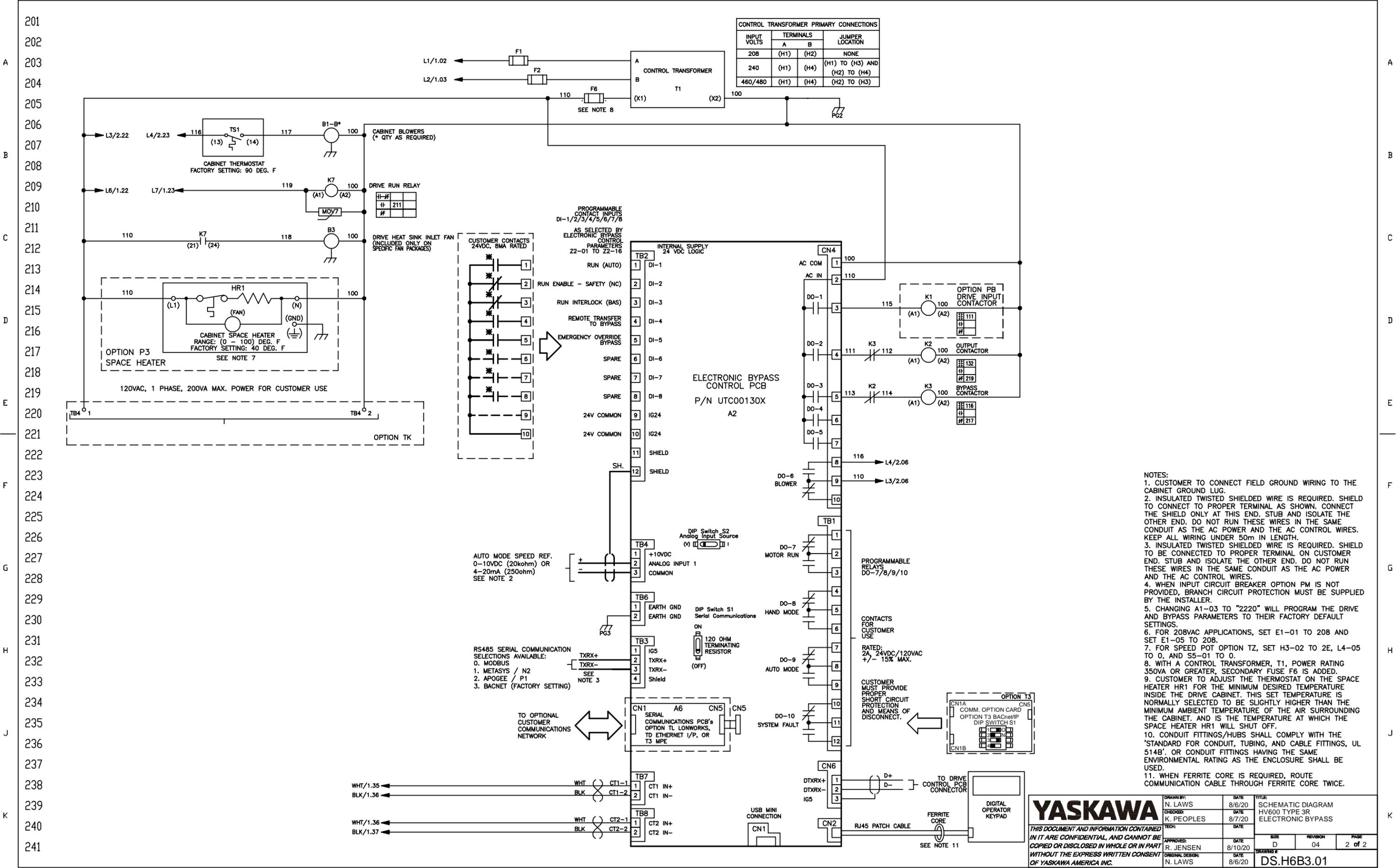
YASKAWA

DRAWN BY:	N. LAWS	DATE:	8/6/20	TITLE:	SCHEMATIC DIAGRAM HV600 TYPE 3R ELECTRONIC BYPASS
CHECKED:	K. PEOPLES	DATE:	8/7/20	SIZE:	D
APPROVED:	R. JENSEN	DATE:	8/10/20	REVISION:	04
ORIGINAL DESIGN:	N. LAWS	DATE:	8/6/20	PAGE:	1 of 2

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

DRAWING #: **DS.H6B3.01**

* - INDICATES COMPONENTS NOT SUPPLIED BY YASKAWA.
 - - INDICATES CUSTOMER WIRING.
 - - CONNECTED TO THE CABINET OR PANEL.
 SEE DRAWING UDE00640 FOR CUSTOMER CONNECTION TABLES.



- NOTES:**
- CUSTOMER TO CONNECT FIELD GROUND WIRING TO THE CABINET GROUND LUG.
 - INSULATED TWISTED SHIELDED WIRE IS REQUIRED. SHIELD TO CONNECT TO PROPER TERMINAL 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 THE AC CONTROL WIRES. KEEP ALL WIRING UNDER 50m IN LENGTH.
 - INSULATED TWISTED SHIELDED WIRE IS REQUIRED. SHIELD TO BE CONNECTED TO PROPER TERMINAL ON CUSTOMER END. STUB AND ISOLATE THE OTHER END. DO NOT RUN THESE WIRES IN THE SAME CONDUIT AS THE AC POWER AND THE AC CONTROL WIRES.
 - WHEN INPUT CIRCUIT BREAKER OPTION PM IS NOT PROVIDED, BRANCH CIRCUIT PROTECTION MUST BE SUPPLIED BY THE INSTALLER.
 - CHANGING A1-03 TO "2220" WILL PROGRAM THE DRIVE AND BYPASS PARAMETERS TO THEIR FACTORY DEFAULT SETTINGS.
 - FOR 208VAC APPLICATIONS, SET E1-01 TO 208 AND SET E1-05 TO 208.
 - FOR SPEED POT OPTION TZ, SET H3-02 TO 2E, L4-05 TO 0, AND S5-01 TO 0.
 - WITH A CONTROL TRANSFORMER, T1, POWER RATING 350VA OR GREATER, SECONDARY FUSE F6 IS ADDED.
 - CUSTOMER TO ADJUST THE THERMOSTAT ON THE SPACE HEATER HR1 FOR THE MINIMUM DESIRED TEMPERATURE INSIDE THE DRIVE CABINET. THIS SET TEMPERATURE IS NORMALLY SELECTED TO BE SLIGHTLY HIGHER THAN THE MINIMUM AMBIENT TEMPERATURE OF THE AIR SURROUNDING THE CABINET. AND IS THE TEMPERATURE AT WHICH THE SPACE HEATER HR1 WILL SHUT OFF.
 - 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.
 - WHEN FERRITE CORE IS REQUIRED, ROUTE COMMUNICATION CABLE THROUGH FERRITE CORE TWICE.

YASKAWA

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

DESIGNED BY:	N. LAWS	DATE:	8/6/20	TITLE:	SCHMATIC DIAGRAM
CHECKED BY:	K. PEOPLES	DATE:	8/7/20		HV600 TYPE 3R
APPROVED BY:	R. JENSEN	DATE:	8/10/20	SIZE:	D
ORIGINAL DESIGNER:	N. LAWS	DATE:	8/6/20	REVISION:	04
				PAGE:	2 of 2

DS.H6B3.01