

REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
02	ADD MISSING REF NUMBERS 201-241 ON PAGE 2		DJP	6/12/15
01	REMOVE OPTION HATCH AROUND M1/M2		NSL	03/31/14
00	INITIAL RELEASE		NSL	01/30/14

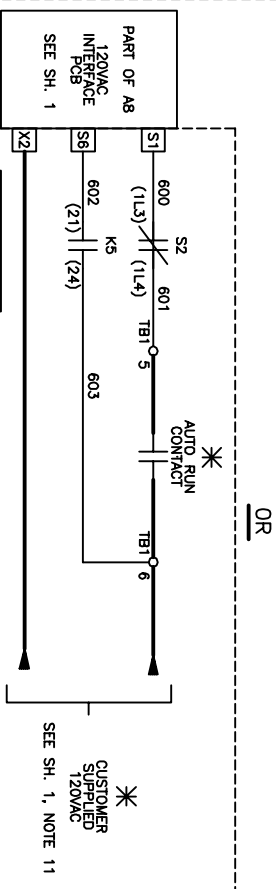
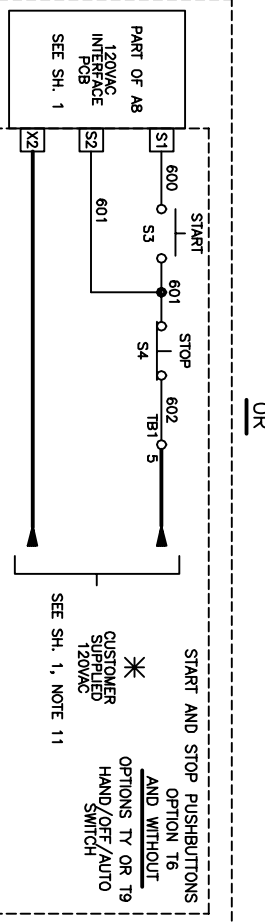
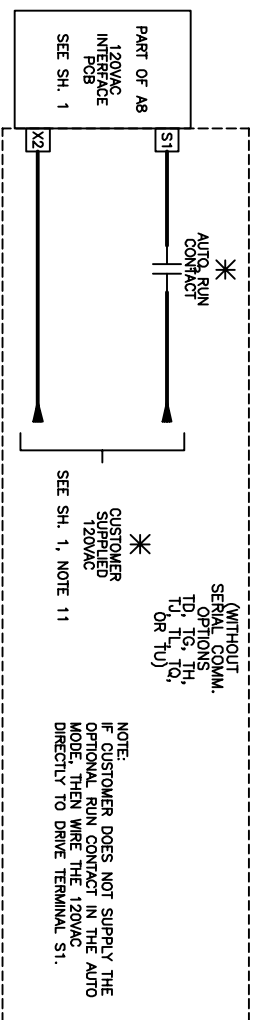
DATE	BY	DESCRIPTION
1/30/14	N. LAWS	SCHEMATIC DIAGRAM
1/30/14	D. PACKER	IMPEDANCE READY
1/31/14	K. FLIERL	DRIVING #
1/30/14	DS.Q1CJR.26	PAGE 1 of 2

* - INDICATES COMPONENTS NOT SUPPLIED BY YASKAWA.
 - - INDICATES CUSTOMER WIRING.
 SEE DRAWING UDE00451 FOR CUSTOMER CONNECTION TABLES.
 SEE DRAWING UDE00453 FOR DRIVE PARAMETER SETTINGS.

- NOTES:
- CONNECTED TO THE CABINET. CUSTOMER TO CONNECT THE CABINET GROUND LUGS TO EARTH GROUND AND UTILITY 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.
 - LIGHTNING PROTECTION OPTION P2 IS TO BE INSTALLED ON THE VOLTAGE TAP OFFS AT THE BREAKER IF REQUIRED.
 - BRANCH CIRCUIT PROTECTION TO BE SUPPLIED BY THE CUSTOMER WHEN NOTED ON THE CABINET DATA NAMEPLATE.
 - 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 50mm. IN LENGTH.
 - CUSTOMER TO ADJUST THE THERMOSTAT ON THE SPACE HEATER HRT 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 HRT WILL SHUT OFF.
 - FOR A CONTROL TRANSFORMER T1 POWER RATING OF 350VA OR GREATER, SECONDARY FUSE F6 IS ADDED.
 - 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 AN 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.
 - OPTIONS TD, TG, TH, TL, TO OR TU CONTROL. (SEE UDE00453 FOR MORE INFORMATION)
 - CUSTOMER TO REPLACE THE JUMPER WITH NORMALLY CLOSED SAFETY INTERLOCKS, IF APPLICABLE.
 - CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION AND MEANS OF DISCONNECT.

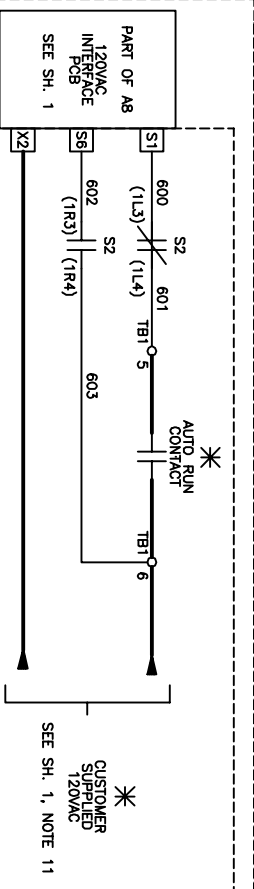
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RUN/STOP CONTROL WITH OPTION TV (FROM SHEET 1)



(ALSO SEE SH. 1 FOR MORE WIRING.)

OR



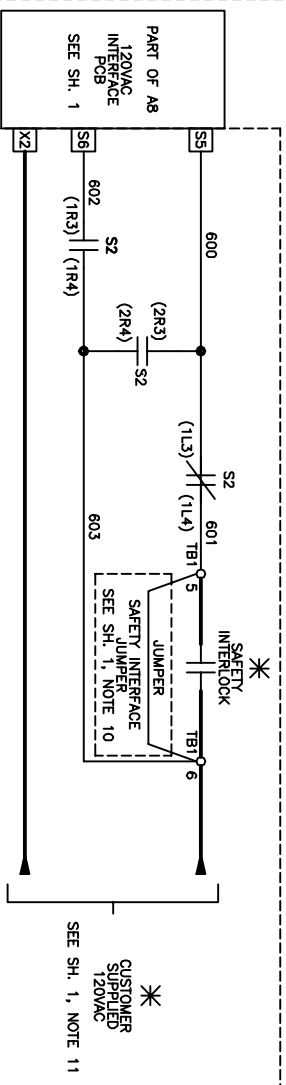
NOTE: IF CUSTOMER DOES NOT SUPPLY THE OPTIONAL RUN CONTACT IN THE AUTO MODE, THEN ADD A JUMPER BETWEEN TERMINAL BLOCK TB1 TERMINALS 5 AND 6.

CONTACT SEQUENCE CHART FOR S2
X - INDICATES CONTACT CLOSED

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

* SCHEMATIC SHOWS THIS POSITION.

OPTION T6 OR PART OF OPTION T9
START AND STOP PUSHBUTTONS
AND WITH
OPTION T7, OR PART OF OPTION T9
HAND/OFF/AUTO SWITCH



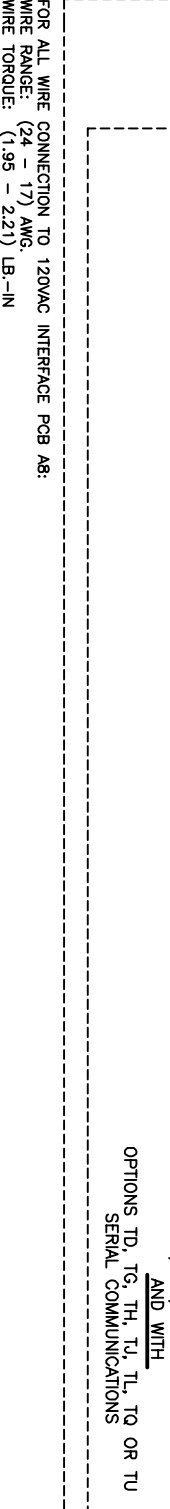
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CONTACT SEQUENCE CHART FOR S2
X - INDICATES CONTACT CLOSED

CONTACT	HAND	OFF	AUTO*	MANUF. LOCATION /TYPE
1		X		1R0
2			X	1L0
3		X		ZR0

* SCHEMATIC SHOWS THIS POSITION.

OPTION T7, OR PART OF OPTION T9
HAND/OFF/AUTO SWITCH
AND WITH
OPTIONS TD, TG, TH, TJ, TL, TO OR TU
SERIAL COMMUNICATIONS



NOTE: IF CUSTOMER DOES NOT SUPPLY THE OPTIONAL RUN CONTACT IN THE AUTO MODE, THEN ADD A JUMPER BETWEEN TERMINAL BLOCK TB1 TERMINALS 5 AND 6.

SEE SHEET 1 FOR NOTES.

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DESIGNED BY N. LAWS	DATE 1/30/14	TITLE SCHEMATIC DIAGRAM
CHECKED BY D. PACKER	DATE 1/30/14	TYPE IQUMPT1000 CONFIGURED
APPROVED BY K. FLEIERL	DATE 1/31/14	IMPEDANCE READY
DESIGNED BY N. LAWS	DATE 1/30/14	DRAWING # DS-Q1C3R.26

SIZE: D REVISION: 02 PAGE: 2 of 2