

- NOTES:**
1. CONNECTED TO THE CABINET. CUSTOMER TO CONNECT THE CABINET GROUND LUGS TO EARTH GROUND AND UTILITY GROUND.
  2. CONDUIT FITTINGS/HUBS SHALL COMPLY WITH THE "STANDARD FOR CONDUIT, TUBING, AND CABLE FITTINGS," UL 514B.
  3. OR CONDUIT FITTINGS HAVING THE SAME ENVIRONMENTAL RATING AS THE ENCLOSURE SHALL BE USED.
  4. LIGHTNING PROTECTION OPTION P2 IS TO BE INSTALLED ON THE VOLTAGE TAP OFFTS AT THE BREAKER IF REQUIRED.
  5. BRANCH CIRCUIT PROTECTION TO BE SUPPLIED BY THE CUSTOMER WHEN NOTED ON THE CABINET DATA NAMEPLATE.
  6. INSULATED TWISTED SHIELDED WIRE IS REQUIRED 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.
  7. 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.
  8. FOR A CONTROL TRANSFORMER T1 POWER RATING OF 350VA OR GREATER, SECONDARY FUSE F6 IS ADDED.
  9. IF AC MOTOR IS FURNISHED WITH A N.C. THERMAL SWITCH THEN SET DRIVE PARAMETER H1-08 TO Z7. THIS WILL CAUSE THE DRIVE TO COAST TO STOP UPON AN AC MOTOR THERMAL TRIP.
  10. 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.
  11. OPTIONS TD, TG, TH, TL, TU, OR TV CONTROL (SEE UDE00453 FOR MORE INFORMATION)
  12. CUSTOMER TO REPLACE THE JUMPER WITH NORMALLY CLOSED SAFETY INTERLOCKS, IF APPLICABLE.
  13. CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION AND MEANS OF DISCONNECT.

**YASKAWA**

DRIVEN BY: N. LAWS  
CHECKED BY: D. PACKER  
DATE: 1/30/14  
TITLE: SCHEMATIC DIAGRAM  
TYPE: 3R  
IMPEDANCE READY

**REVISIONS**

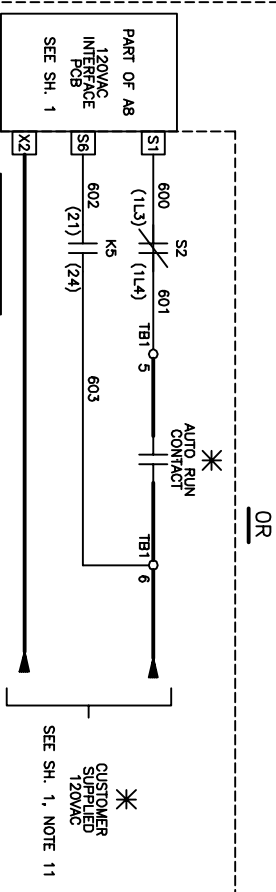
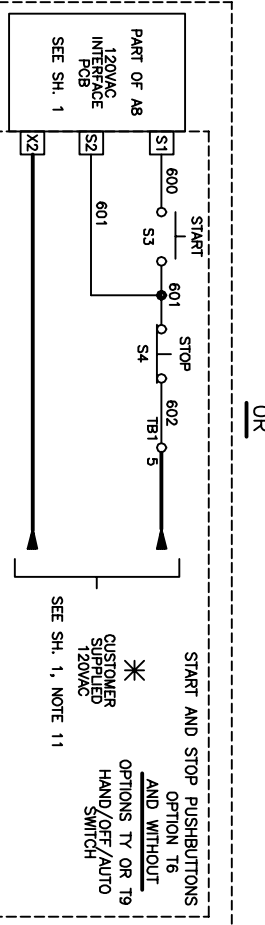
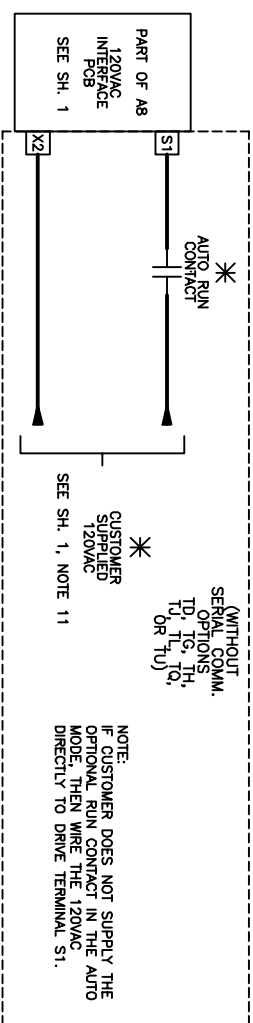
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
02	ADD MISSING REF NUMBERS 201-241 ON PAGE 2		DJP	6/12/15
01	CORRECTED CONTACT LOCATION REFERENCE		NSL	4/01/14
00	INITIAL RELEASE		NSL	1/30/14

\* - INDICATES CUSTOMER WIRING.  
SEE DRAWING UDE00451 FOR CUSTOMER CONNECTION TABLES.  
SEE DRAWING UDE00453 FOR DRIVE PARAMETER SETTINGS.

**CONTROL TRANSFORMER PRIMARY CONNECTIONS**

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

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

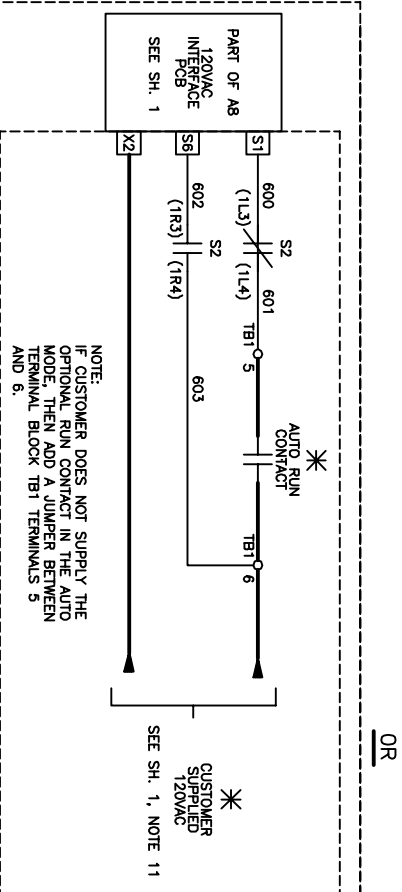


CONTACT SEQUENCE CHART FOR S2  
X - INDICATES CONTACT CLOSED

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

\* SCHEMATIC SHOWS THIS POSITION.

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

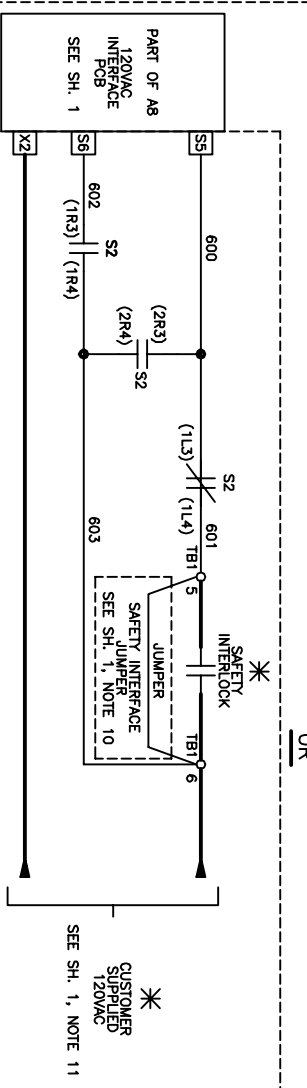


CONTACT SEQUENCE CHART FOR S2  
X - INDICATES CONTACT CLOSED

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

\* SCHEMATIC SHOWS THIS POSITION.

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

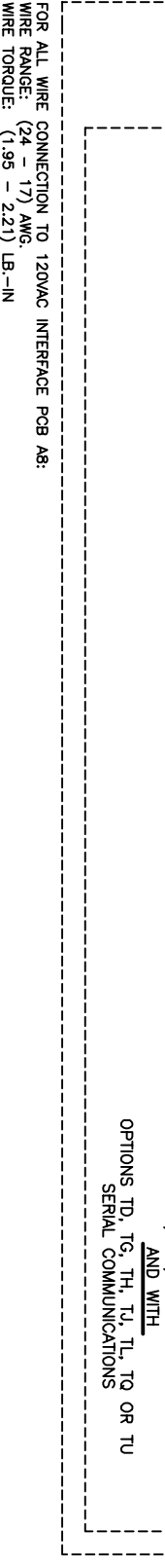


CONTACT SEQUENCE CHART FOR S2  
X - INDICATES CONTACT CLOSED

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

\* SCHEMATIC SHOWS THIS POSITION.

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



SEE SHEET 1 FOR NOTES.

<b>YASKAWA</b>	DESIGNED BY	N. LAWS	DATE	1/30/14
	CHECKED BY	D. PACKER	DATE	1/30/14
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	ORIGINAL DESIGNER	N. LAWS	DATE	1/30/14
	TITLE	SCHEMATIC DIAGRAM		
	TYPE	IQUMPT1000 CONFIGURED		
	IMPEDANCE	READY		
	SIZE	D		
	REVISION	02		
	PAGE	2 of 2		
	DRAWING #	DS-Q1CR.24		