

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

K J H G F E D C B A

* - INDICATES COMPONENTS NOT SUPPLIED BY YASKAWA.
 SEE DRAWING UDE00454 FOR CUSTOMER CONNECTION TABLES.
 SEE DRAWING UDE00392 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.
 - SUPPLIED BY THE CUSTOMER.
 - WITHOUT THE CIRCUIT BREAKER (OPTION PC OR PE), OR DISCONNECT SWITCH OPTION PD, THE DISCONNECT MEANS MUST BE SUPPLIED BY THE CUSTOMER.
 - 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 50m IN LENGTH.
 - 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 HI-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 DRIVE TERMINALS S8 AND SN, AS PER NOTE 5 ABOVE.
 - OPTIONS TD, TG, TH, TL, TU, TO OR TV CONTROL. (SEE UDE00392 FOR MORE INFORMATION)
 - CUSTOMER TO REPLACE THE JUMPER WITH NORMALLY CLOSED SAFETY INTERLOCKS, IF APPLICABLE.

REV.	DESCRIPTION	ECO #	DRAWN BY	DATE	DATE	DATE	DATE	DATE
03	ADD MISSING REF NUMBERS 201-241 ON PAGE 2	6330	DJP	6/12/15	2/4/14	2/4/14	2/4/14	2/4/14
02	CHANGED HOA TO A3 INPUT	5186	NSL	4/8/14	4/8/14	4/8/14	4/8/14	4/8/14
01	ADDED "F" CABINET BLOWER(S) PRESENT" NOTE	5097	DRC	3/7/14	3/7/14	3/7/14	3/7/14	3/7/14

YASKAWA

DRIVEN BY: D.R. CMEJLAK 2/4/14
 CHECKED: D. PACKER 2/4/14
 DRAWN BY: K. FLIERL 2/4/14
 DATE: 2/4/14
 DATE: 2/4/14
 DATE: 2/4/14
 DATE: 2/4/14

THIS DOCUMENT AND INFORMATION CONTAINED HEREIN IS THE PROPERTY OF YASKAWA AMERICA, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE EXPRESS WRITTEN CONSENT OF YASKAWA AMERICA, INC.

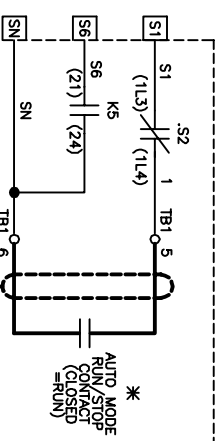
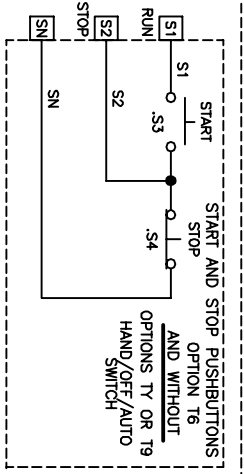
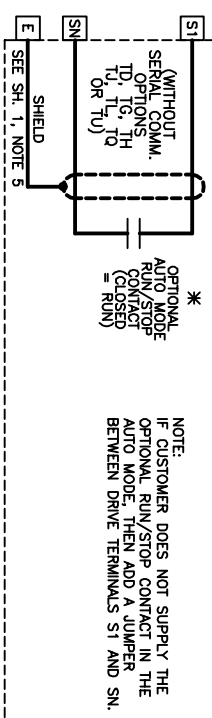
DR. CMEJLAK 2/4/14
 D. PACKER 2/4/14
 K. FLIERL 2/4/14
 DATE: 2/4/14
 DATE: 2/4/14
 DATE: 2/4/14
 DATE: 2/4/14

SCHEMATIC DIAGRAM
 IQPUMP1000 CONFIGURED
 TYPE 12

SIZE: D REGION: 03 PAGE: 1 of 2

DS-Q1C12.01

201 RUN/STOP CONTROL (FROM SHEET 1)



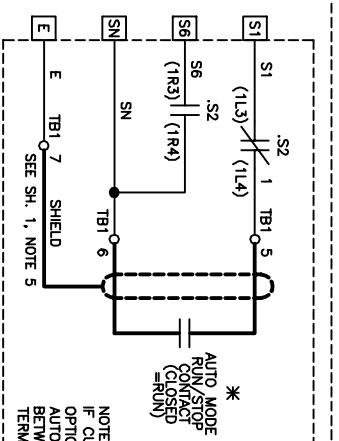
NOTE: IF CUSTOMER DOES NOT SUPPLY THE OPTIONAL RUN/STOP CONTACT IN THE AUTO MODE, THEN ADD A JUMPER BETWEEN TERMINAL BLOCK TB1 TERMINALS 5 AND 6.

OPTION T6
START AND STOP PUSHBUTTONS
AND WITH
OPTION T9
HAND/OFF/AUTO SWITCH

CONTACT SEQUENCE CHART FOR S2
X - INDICATES CONTACT CLOSED

CONTACT	POSITION	MANUF. LOCATION /TYPE
1	HAND	1RO
2	X	1LO

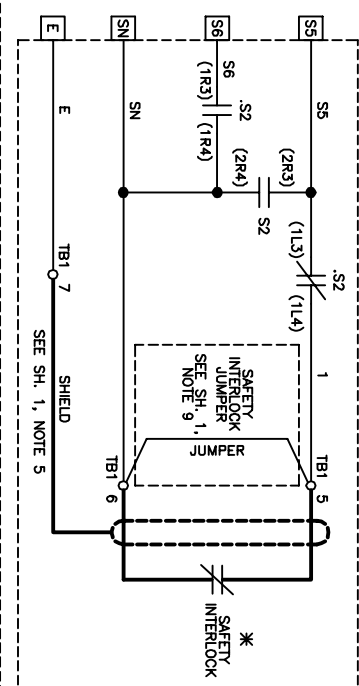
* SCHEMATIC SHOWS THIS POSITION.



CONTACT SEQUENCE CHART FOR S2
X - INDICATES CONTACT CLOSED

CONTACT	POSITION	MANUF. LOCATION /TYPE
1	HAND	1RO
2	X	1LO

* SCHEMATIC SHOWS THIS POSITION.



CONTACT SEQUENCE CHART FOR S2
X - INDICATES CONTACT CLOSED

CONTACT	POSITION	MANUF. LOCATION /TYPE
1	HAND	1RO
2	X	1LO
3	X	2RO

* SCHEMATIC SHOWS THIS POSITION.

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

SEE SHEET 1 FOR NOTES.

YASKAWA

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

DESIGNED BY	D.R. CMEIAK	DATE	2/4/14
CHECKED	D. PACKER	DATE	2/4/14
APPROVED	K. FLIERL	DATE	2/4/14
DESIGNED BY	D.R. CMEIAK	DATE	2/4/14

TITLE	SCHWEMATIC DIAGRAM
DRAWING #	IQUMP1000 CONFIGURED
TYPE	12
SIZE	D
REVISION	03
PAGE	2 of 2

DS-Q1C12.01