



**CONTROL TRANSFORMER PRIMARY CONNECTIONS**

| INPUT VOLTS | TERMINALS |      | JUMPER LOCATION |
|-------------|-----------|------|-----------------|
|             | A         | B    |                 |
| 208         | (H1)      | (H2) | NONE            |
| 460/480     | (H1)      | (H4) | (H2) TO (H3)    |

**CONTACT SEQUENCE CHART FOR S3**  
X - INDICATES CONTACT CLOSED

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

\* SCHEMATIC SHOWS THIS POSITION.

- NOTES:**
- CONNECTED TO THE CABINET. CUSTOMER TO CONNECT THE CABINET GROUND LUGS TO EARTH GROUND AND UTILITY GROUND.
  - INSULATED TWISTED SHIELDED WIRE IS REQUIRED. SHIELD TO CONNECT TO PROPER TERMINAL AS SHOWN. BRANCH CIRCUIT PROTECTION MUST BE SUPPLIED BY THE INSTALLER.
  - 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.
  - FOR APPLICATIONS WITH SPEED POT R1, SET Z1000U DRIVE PARAMETERS H3-06 TO 0 & S5-01 TO 1.

**RECEPTACLE TRANSFORMER PRIMARY CONNECTIONS & FUSING**

| INPUT VOLTS | TRANSFORMER SYMBOL               | FUSES |     |
|-------------|----------------------------------|-------|-----|
|             |                                  | F8    | F9  |
| 208         | H1(A) H2(B)<br>X1 X2             | 15A   | 15A |
| 460/480     | H1(A) H3(B) H2(C) H4(D)<br>X1 X2 | 10A   | 10A |

**REVISIONS**

| REV. | DESCRIPTION                    | ECO # | DRAWN BY | DATE    |
|------|--------------------------------|-------|----------|---------|
| 04   | ADDED TB5 TO DRIVE             | 11178 | NSL      | 3/24/21 |
| 03   | UPDATED DRIVE BLOCK            | 11109 | NSL      | 1/25/21 |
| 02   | ADDED PARAMETERS H3-06 & S5-01 | 8368  | NSL      | 1/29/18 |

**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.

DRAWN BY: N. LAWS  
 CHECKED: D.R. CMELAK  
 DATE: 7/23/15  
 TITLE: SCHEMATIC DIAGRAM Z1000U CONFIGURED

APPROVED: K. FLIERL  
 DATE: 7/24/15  
 ORIGINAL DESIGNER: N. LAWS  
 DATE: 7/23/15

SIZE: D  
 REVISION: 04  
 PAGE: 1 of 1  
 DRAWING #: DS.Z1E3.12

\* - INDICATES COMPONENTS NOT SUPPLIED BY YASKAWA.  
 - INDICATES CUSTOMER WIRING.  
 - CONNECTED TO THE CABINET OR PANEL.  
 SEE DRAWING UDE00505 FOR DRIVE PARAMETER SETTINGS.