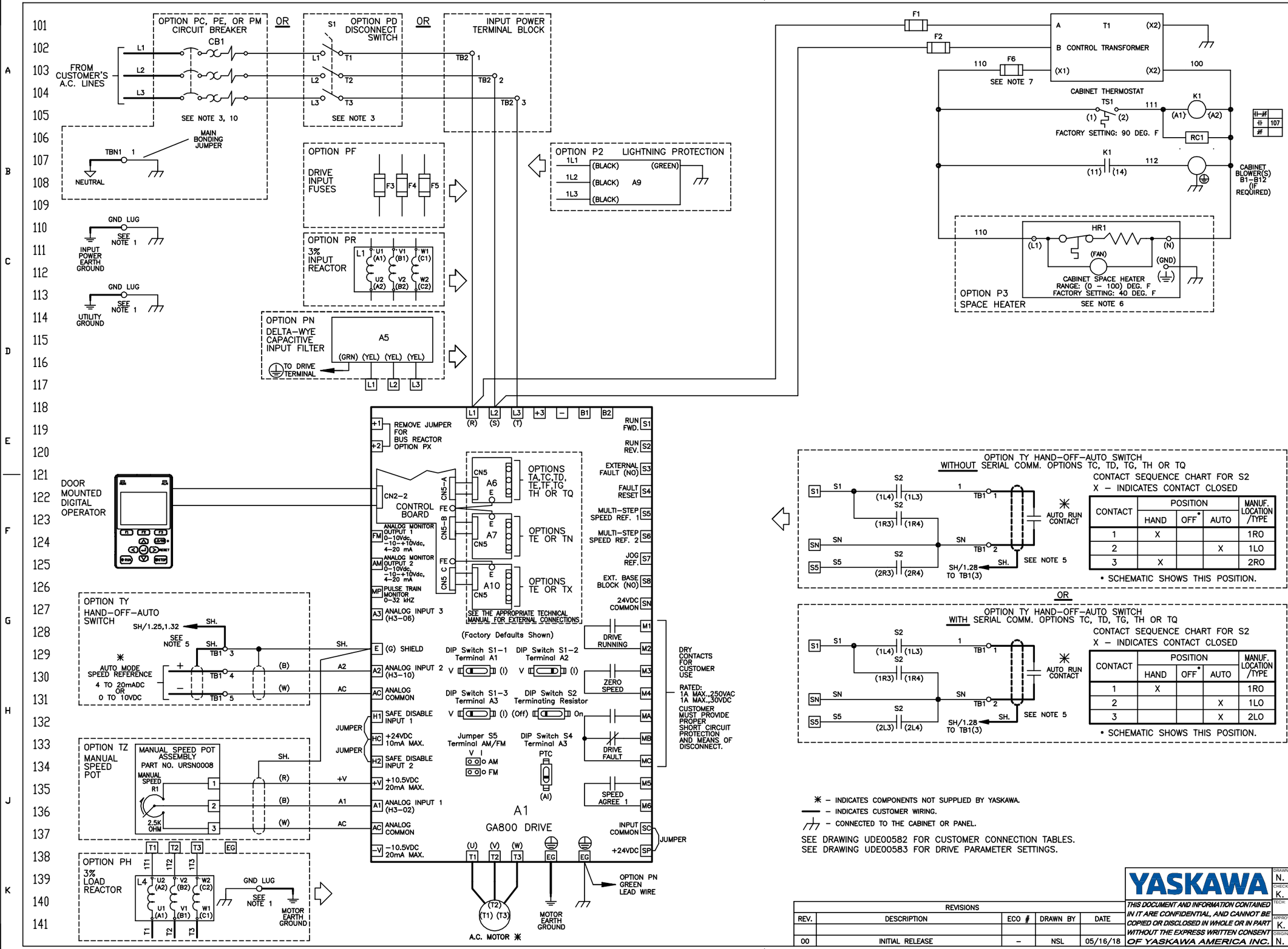

CONTROL TRANSFORMER PRIMARY CONNECTIONS			
INPUT VOLTS	TERMINALS A	TERMINALS B	JUMPER LOCATION
230/240	(H1)	(H4)	(H1) TO (H3) (H2) TO (H4)
460/480	(H1)	(H4)	(H2) TO (H3)
600	(H1)	(H2)	NONE

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

* SCHEMATIC SHOWS THIS POSITION.

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

* SCHEMATIC SHOWS THIS POSITION.

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'.OR CONDUIT FITTINGS HAVING THE SAME ENVIRONMENTAL RATING AS ENCLOSURE SHALL BE USED.
3. WITHOUT THE CIRCUIT BREAKER (OPTION PC, PE, OR PM), OR DISCONNECT SWITCH OPTION PD, THE DISCONNECT MEANS MUST BE SUPPLIED BY THE CUSTOMER.
4. BRANCH CIRCUIT PROTECTION TO BE SUPPLIED BY THE CUSTOMER WHEN NOTED ON THE CABINET DATA NAMEPLATE.
5. 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.
6. 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.
7. FOR A CONTROL TRANSFORMER T1 POWER RATING OF 350VA OR GREATER, SECONDARY FUSE F6 IS ADDED.
8. 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 DRIVE TERMINALS S8 AND SN, AS PER NOTE 5 ABOVE.
9. OPTIONS TC, TD, TG, TH OR TQ CONTROL (SEE UDE00583 FOR MORE INFORMATION)
10. DRVE INPUT FUSES F3, F4, F5 ARE INCLUDED WITH OPTION PC, PE, OR PM FOR BASE NUMBERS B156 - B590.

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
00	INITIAL RELEASE	-	NSL	05/16/18

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DRAWN BY: N. LAWS	DATE 5/16/18	TITLE: SCHEMATIC DIAGRAM GA800 CONFIGURED HEAVY DUTY RATING TYPE 3R
CHECKED: K. MALUSIC	DATE 5/17/18	
TECH:	DATE	SIZE D / REVISION 00 / PAGE 1 of 1
APPROVED: K. FLIERL	DATE 5/18/18	
ORIGINAL DESIGN: N. LAWS	DATE 5/16/18	DRAWING #: DS.G8C3R.07

Prepared by nathan_laws 11/7/2019 9:33:00 AM