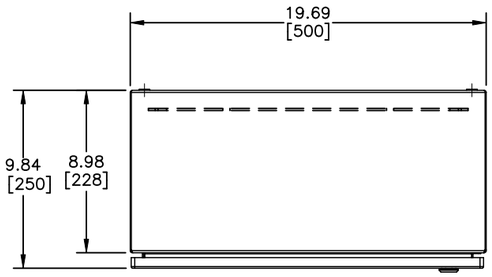
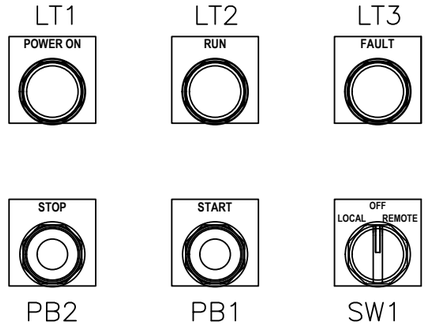
DWG NO. CSXI-0096-5-PP-N3R-CB-PD



TOP VIEW



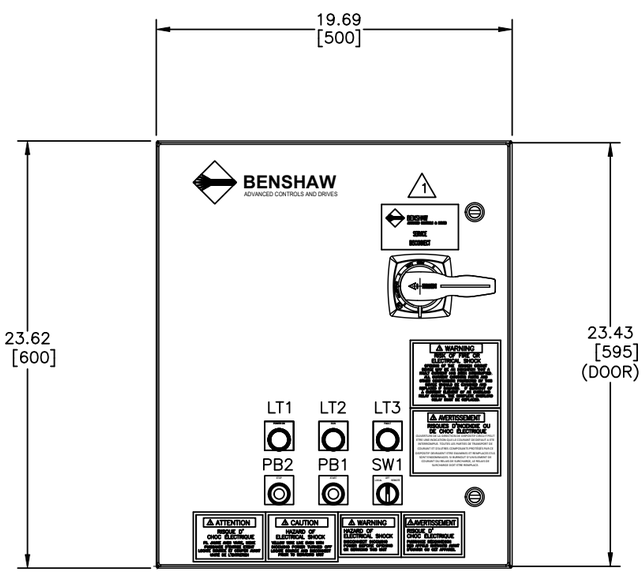
DOOR DEVICES
(SCALE: 3x)

COMPONENT LIST

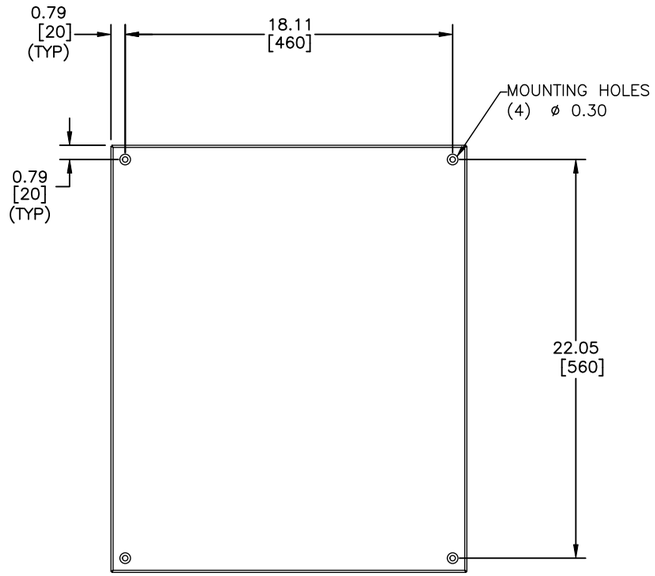
CB1	–	CIRCUIT BREAKER, 150A, 600V, 3PH, 18KAIC
CR1	–	CONTROL RELAY, 5A, 120V, 4–POLE
CR2	–	CONTROL RELAY, 5A, 120V, 4–POLE
CSXi	–	SOFT STARTER, CSXi SERIES, 100A, 380–600V, BYPASSED
ENCL	–	ENCLOSURE, WALL MOUNT, TYPE 12/4, 24"H x 20"W x 10"D
FU1–2	–	CONTROL FUSES (PRIMARY SIDE), TIME DELAY, 0.3A, 600V, 200KA CLASS CC
FU3	–	CONTROL FUSES (SECONDARY SIDE), TIME DELAY, 0.8A, 500V, 10KA
HTR	–	HEATER, 120V, 50W, RADIATED
TB1	–	CONTROL TERMINAL BLOCKS
TSTAT	–	THERMOSTAT, 0–60 DEG C, NCC STYLE
XF1	–	CONTROL TRANSFORMER, 75VA, 575V PRIMARY – 120V SECONDARY
LT1	–	PILOT LIGHT, 22MM, PTT, ILLUMINATED, 120V, RED LED
LT2	–	PILOT LIGHT, 22MM, PTT, ILLUMINATED, 120V, GREEN LED
LT3	–	PILOT LIGHT, 22MM, PTT, ILLUMINATED, 120V, AMBER LED
PB1	–	PUSHBUTTON, 22MM, FLUSH GREEN, W/ N.O. CONTACT
PB2	–	PUSHBUTTON, 22MM, RAISED RED, W/ N.C. CONTACT
SW1	–	SELECTOR SWITCH, 22MM, 3–POSITION, W/ (2)N.O. CONTACTS

NOTES:

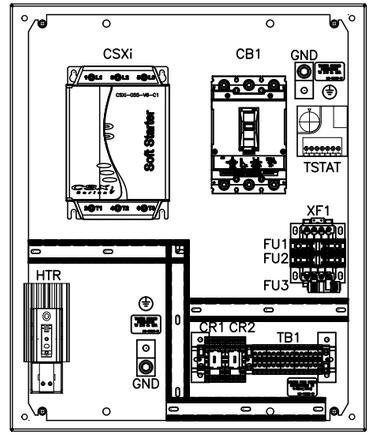
1. MOTOR CONTROLLER IS SUITABLE FOR USE AS SERVICE EQUIPMENT. IF MOTOR CONTROLLER IS GOING TO BE USED AS SERVICE EQUIPMENT, INSTALL "SERVICE DISCONNECT" LEGEND AS SHOWN. "SERVICE DISCONNECT" IS SHIPPED LOOSE WITH MOTOR CONTROLLER.



FRONT VIEW



REAR VIEW
(MOUNTING HOLES)



PANEL VIEW

APPRD:
CHG BY:
CHANGE:

REVISIONS | DWG | SCALE | DO NOT

THIRD ANGLE PROJECTION

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UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS IN INCHES
INTERPRET DRAWING PER
ASME Y14.5M–1994
TOLERANCES: .XX ± .03
.XXX ± .015
ANGLES ± 1°
MATERIAL:
FINISH:

TITLE:
ENCLOSURE LAYOUT
CSXI–0096–5–PP–N3R–CB–PD
100HP (99 AMPS) @ 575V
(400% CURRENT FOR
6 SECONDS
STANDARD DUTY RATED)

SIGNATURES		DATE
DRWN.	SKW	02/24/20
CHKD.	MSN	02/28/20
ENG.	MSN	03/31/20
MFG.		

BENSHAW
615 ALPHA DRIVE
PITTSBURGH, PA. 15238
550 BRIGHT STREET
LISTOWEL ONTARIO
N4W 3W3

SIZE: D | DWG NO.: CSXI-0096-5-PP-N3R-CB-PD | REV: 0

SCALE: 1:4 | SHEET 1 OF 2

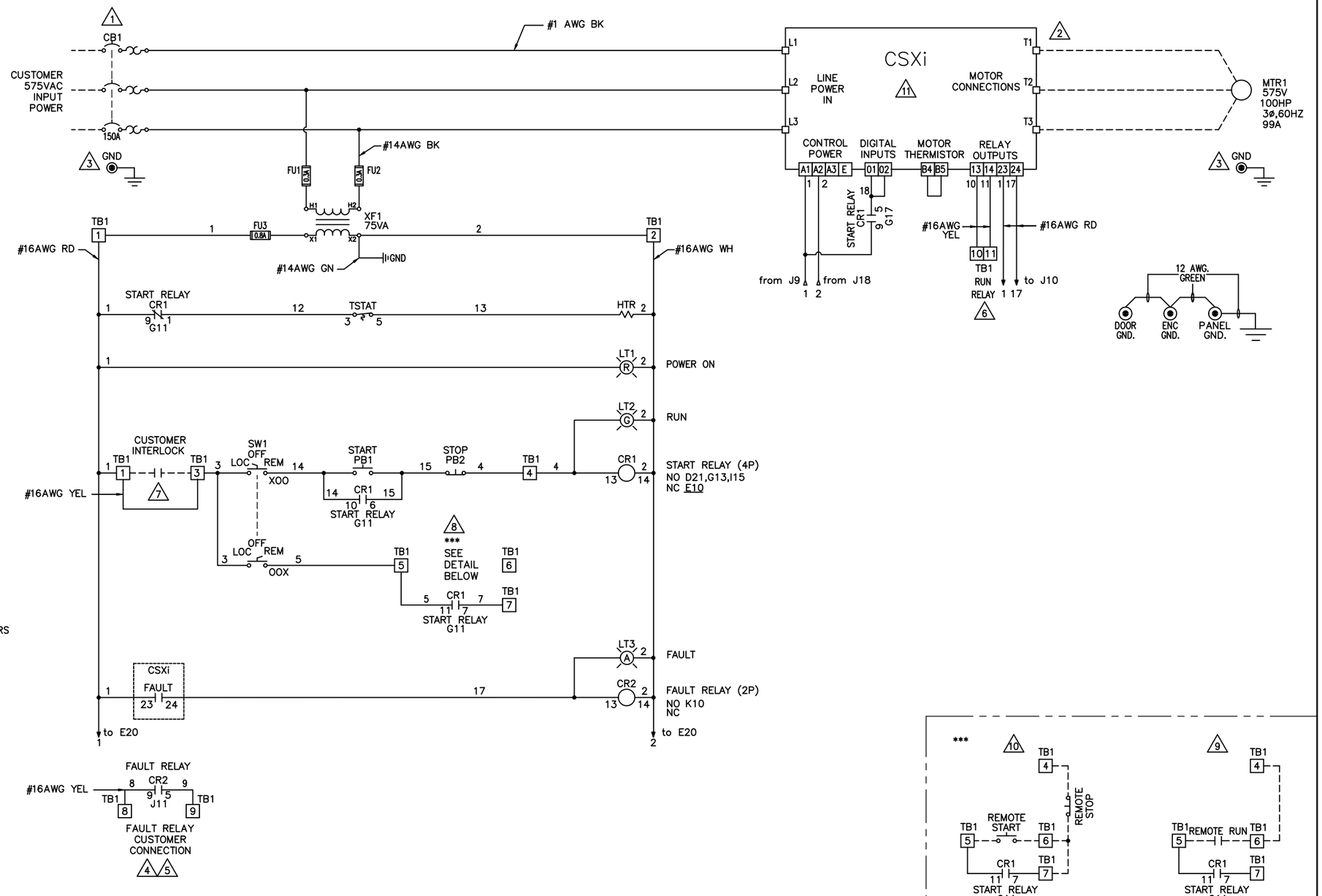
DWG NO. CSXI-0096-5-PP-N3R-CB-PD

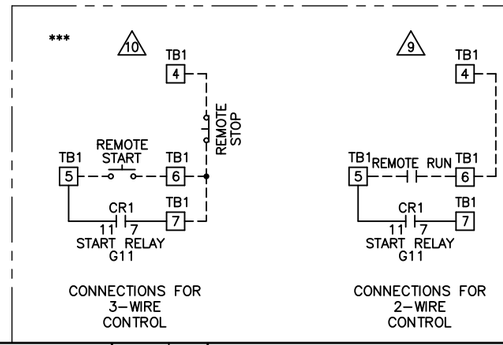
NOTES

1. WIRE SIZE RANGE: (1) 8-2/0AWG
   TIGHTENING TORQUE: 133.6LB-IN (15.1Nm)
2. WIRE SIZE RANGE: (1) 4-1/0AWG
   TIGHTENING TORQUE: 34.8LB-IN (4NM)
3. WIRE SIZE RANGE: (1) 6-250KCMIL
   TIGHTENING TORQUE: 275LB-IN (31NM)
4. CUSTOMER SHOULD MONITOR FAULT CONTACTS OF RELAY (CR2) FOR FAULT DETECTION, AND REMOVE 2 WIRE RUN COMMAND WHEN A FAULT IS DETECTED.
5. CONTACT RATINGS:
   240VAC 5A RESISTIVE 1.2A INDUCTIVE
   30VDC 5A RESISTIVE 2A INDUCTIVE
6. CONTACT RATINGS:
   250VAC 6A RESISTIVE
   30VDC 6A RESISTIVE
7. REMOVE JUMPER WHEN INTERLOCKS ARE INSTALLED.
8. SELECT EITHER TWO OR THREE WIRE CONTROL.
9. STARTER SHIPPED SETUP FOR CUSTOMER SUPPLIED REMOTE 2 WIRE CONTROL.
10. IF CUSTOMER SUPPLIED REMOTE 3 WIRE CONTROL IS NEEDED MAKE CUSTOMER CONNECTIONS AS SHOWN.
11. REFER TO USER GUIDE FOR STARTER ADJUSTMENTS AND RESET IF TRIP OCCURS

STANDARD LEGEND

- WIRE NODE SYMBOL MAY HAVE TERMINAL BLOCK
- BENSHAW SUPPLIED TERMINAL BLOCK
- TERMINAL STRIP
- POWER CONNECTION
- PC BOARD TERMINALS
- TWISTED PAIR
- TWISTED SHIELDED PAIR
- SHIELDED WIRE
- FIELD WIRING





APPRD: CHG BY: CHANGE:

REVISIONS | DO NOT SCALE | DWG

THIRD ANGLE PROJECTION

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SIZE D | DWG NO. CSXI-0096-5-PP-N3R-CB-PD | REV 0

SCALE: 1:4 | SHEET 2 OF 2