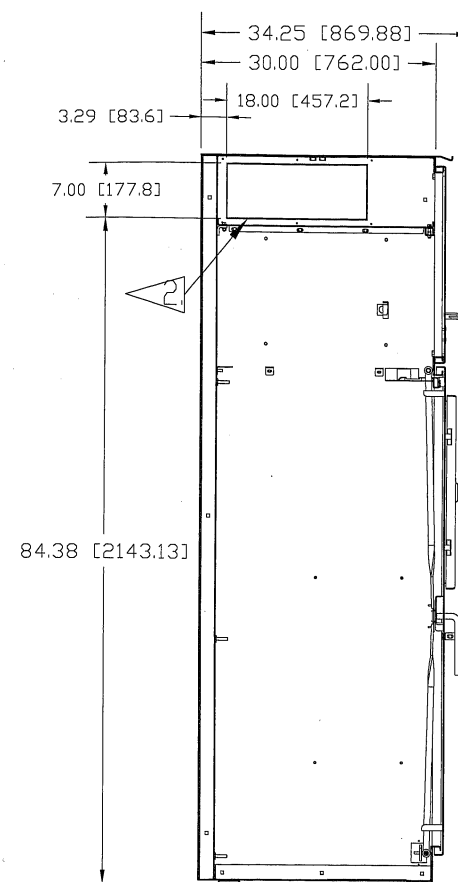
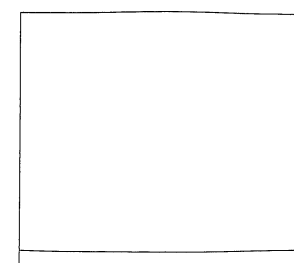


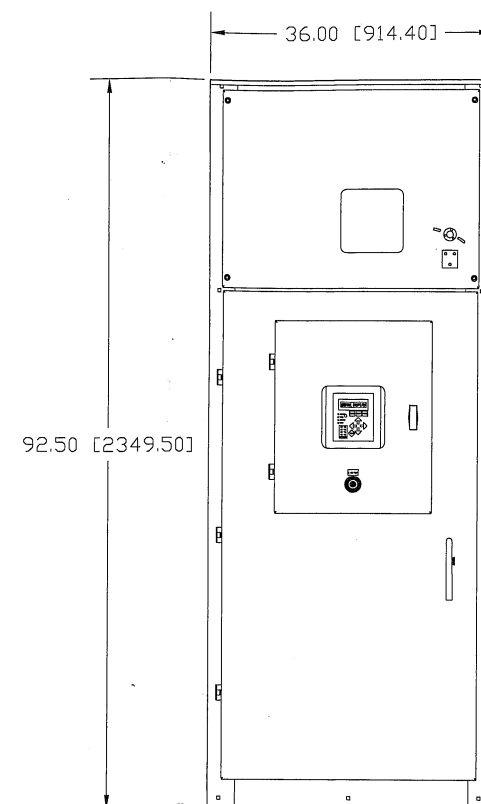
REV NO	REVISION	DATE	BY
1	AS BUILT	05/17/21	MW



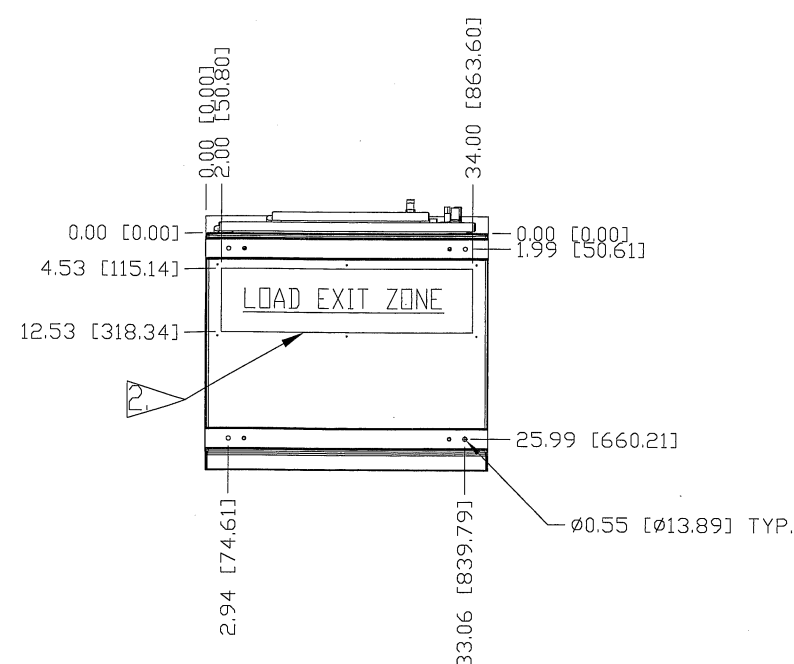
SIDE VIEW



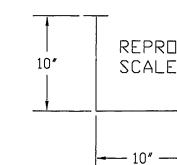
TOP VIEW



FRONT VIEW



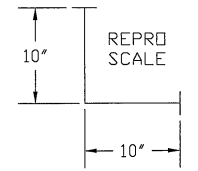
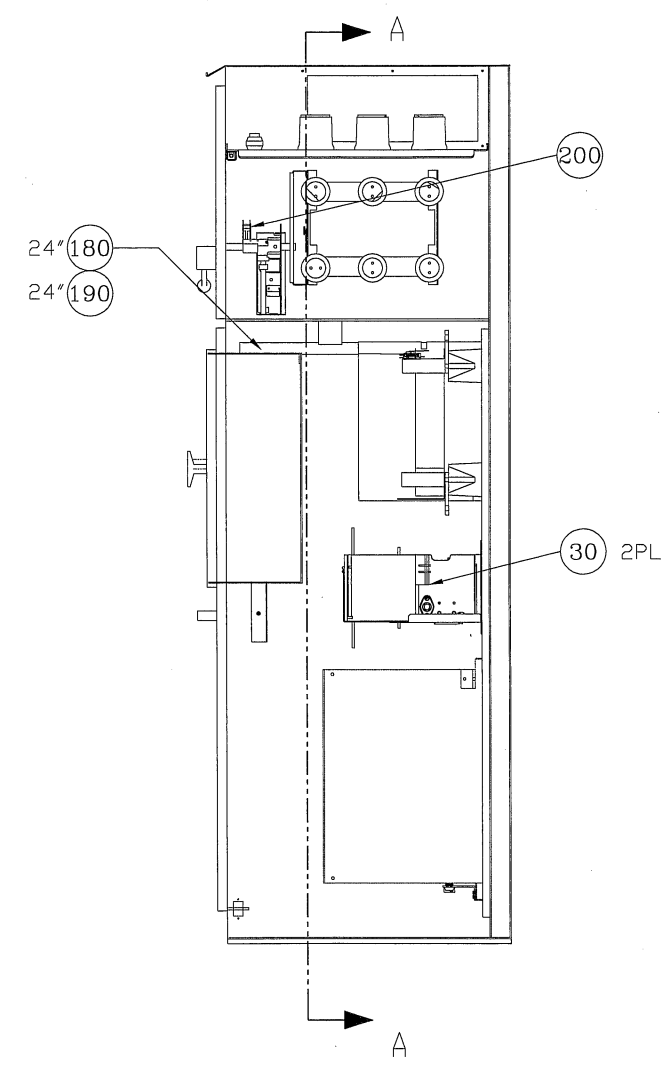
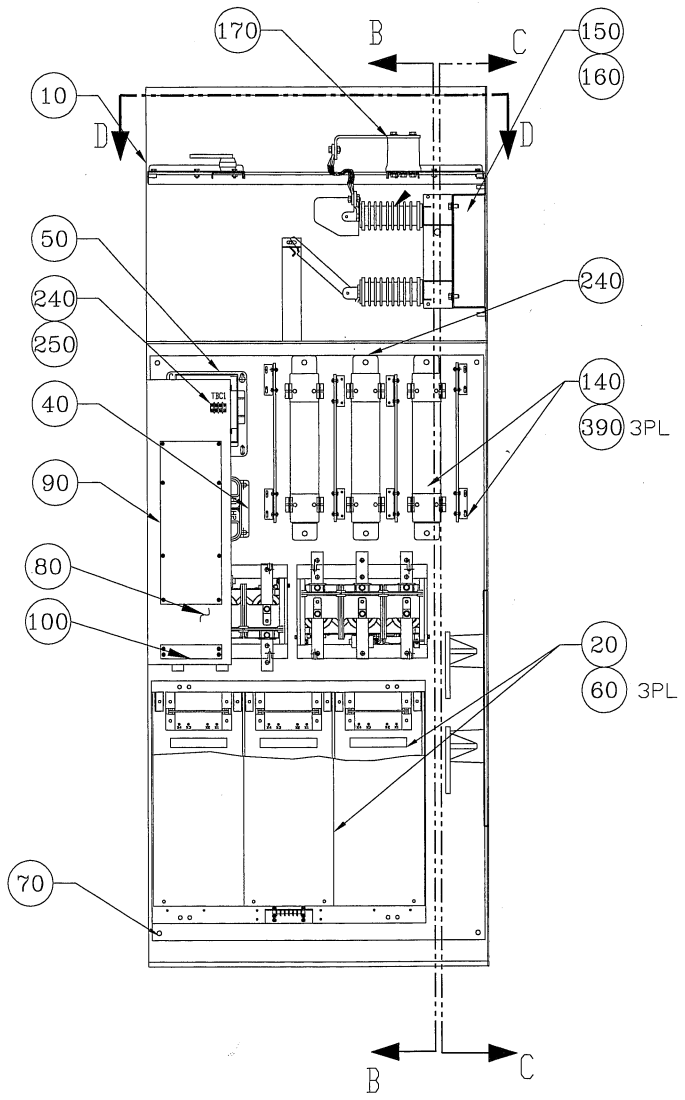
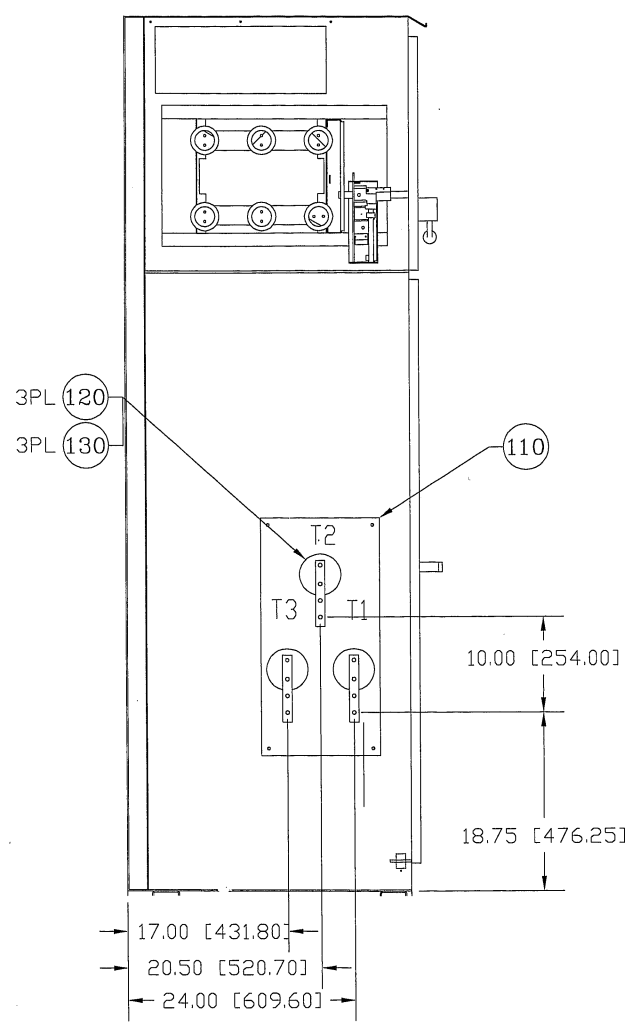
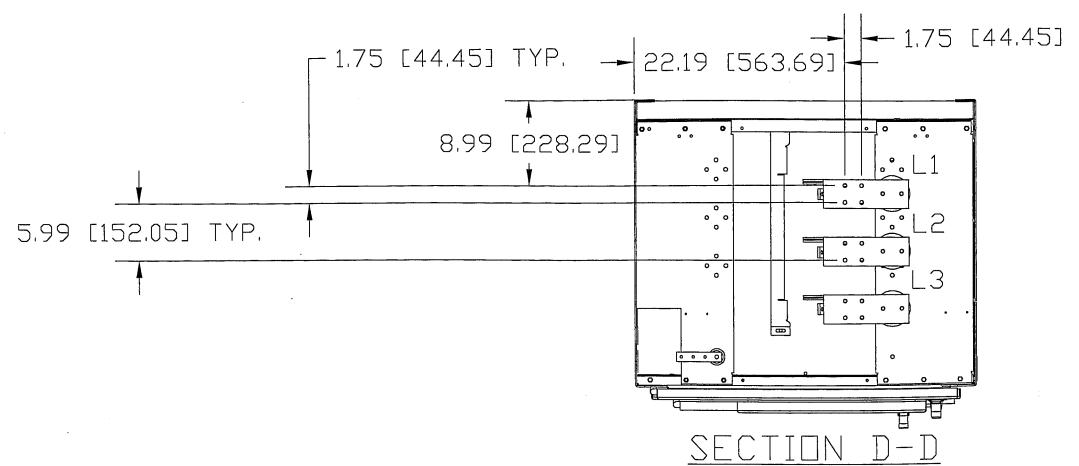
BOTTOM VIEW



NOTES

- EQUIPMENT TO BE INSTALLED BY LICENSED ELECTRICIAN IN ACCORDANCE WITH N.E.C. AND ALL APPLICABLE LOCAL CODES.
- CONDUIT ENTRY ZONES (IN TOP AND BOTTOM OF ENCLOSURES) AND BUSBAR OPENINGS (IN BOTH SIDES OF ENCLOSURE) ARE COVERED BY REMOVABLE PLATES.

REV NO	REVISION	DATE	BY
1	AS BUILT	05/17/21	MW



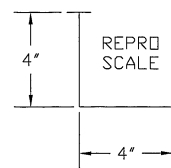
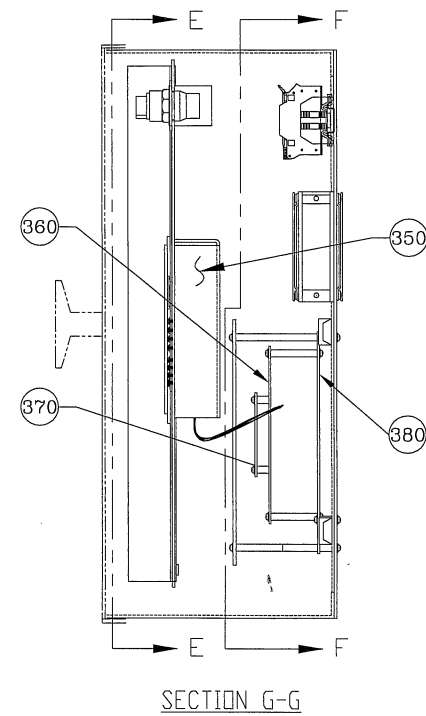
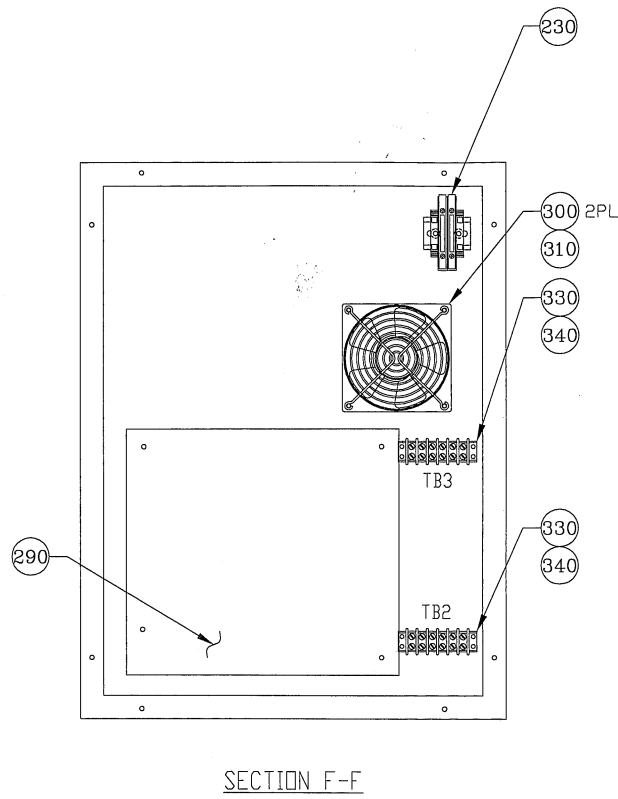
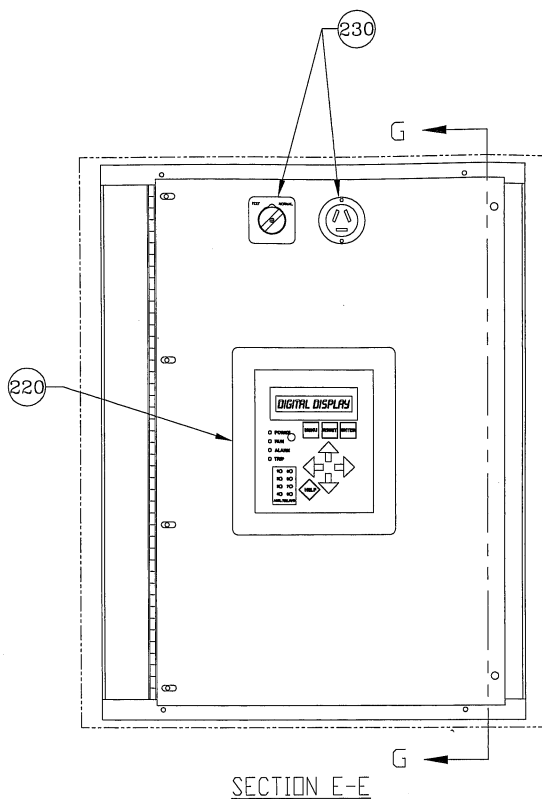
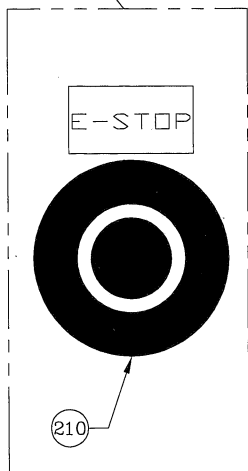
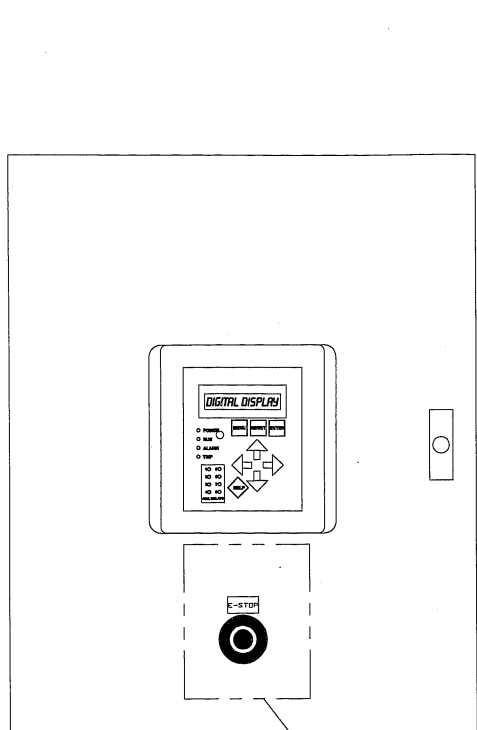
SECTION C-C

SECTION A-A

SECTION B-B

DIMENSIONS ARE IN INCHES AND TOLERANCES ON			
		1600 SUNSHINE DR. CLEARWATER, FL. 33765	
3 PL DECIMALS	±.005	ASSEMBLY DRAWING FOR MVC4-41200-ESX8-A	
2 PL DECIMALS	±.02	SCALE	DRAWING NUMBER
1 PL DECIMALS	±.1	NOTED	MVC4-0552
FRACTIONS	±1/64	SHEET	REV. No.
ANGLES	±1/2°	2 OF 4	1
		DATE	5/3/2021

REV NO	REVISION	DATE	BY
1	AS BUILT	05/17/21	MW



DIMENSIONS ARE IN INCHES AND TOLERANCES ON		MOTORTRONICS 1600 SUNSHINE DR. CLEARWATER, FL. 33765	
3 PL DECIMALS	±.005	ASSEMBLY DRAWING FOR MVC4-41200-ESX8-A	
2 PL DECIMALS	±.02	SCALE	DRAWING NUMBER
1 PL DECIMALS	±.1	NOTED	MVC4-0552
FRACTIONS	±1/64	SHEET	REV. No.
ANGLES	±1/2'	3 OF 4	1
		DATE	5/3/2021

DRAWN BY
CL
CHK'D. BY

REV NO	REVISION	DATE	BY
1	AS BUILT	05/17/21	MW

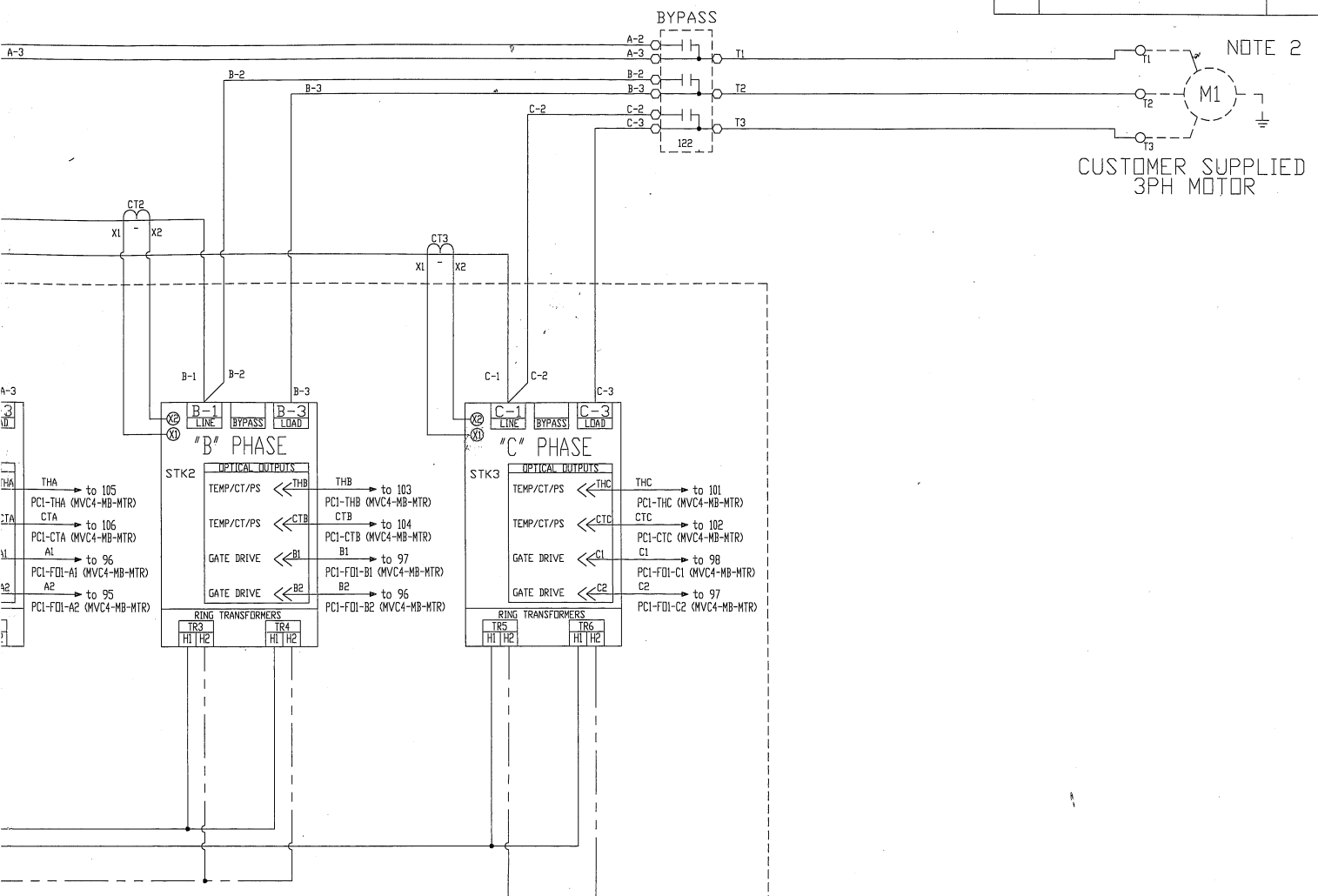
ITEM	PART #	DESCRIPTION	QTY
10	66-0097E-RAL7035	36" DISCONNECT ENCLOSURE	1
20	MVC4-4-200	SOFTSTART PANEL	1
30	34-400-3-7200K	CONTACTOR	2
40	10-0154	CONTROL POWER TRANSFORMER	1
50	10-0067	PRIMARY TRANSFORMER	1
60	11-6RL201	CURRENT XFMR, 200:5	3
70	56-0181	PANEL	1
80	59-0129	PLATE	1
90	MVC4-TCB	TCB PRINTED CKT BD	1
100	RTD-DAUGHTER-1	PASS THRU PCB	1
110	59-0128A	PLATE	1
120	54-0220	BUSBAR	3
130	51-03.500-3816	STANDOFF	3
140	71-0277	FUSE CLIP ASSEMBLY	1
150	58-400A-7200C	DISCONNECT SWITCH	1
160	59-0296	MOUNTING PLATE FOR DISCONNECT	1
170	71-OVERHEAD-KIT	OVER HEAD BUSBAR	1
180	62-0080	WIRE DUCT 1 x 1.5"	24"
190	62-0080H	DUCT COVER	24"

ITEM	PART #	DESCRIPTION	QTY
200	58-0108	LIMIT SWITCH	1
210	58-CE4T-10R-11	E-STOP BUTTON	1
220	71-0192	DIGITAL CONTROL	1
230	71-0277A	MVC LV SWING ASSEMBLY	1
240	49-0003C	TERMINAL BLOCK 2 POS.	1
250	49-0003CM	MARKER STRIP 2 POS.	1
290	62-0604	LEXAN DEAD FRONT PLATE	1
300	62-0181	FAN GUARD	2
310	32-120-120BB	FAN MUFFIIN SP101A1123HBT	1
330	49-0003A	TERMINAL BLOCK 6 POS.	2
340	49-0003AM	MARKER STRIP 6 POS.	2
350	62-0605	LEXAN COVER FOR DIGITAL DISPLAY	1
360	DSS1000-CPU-MTR	CPU PCB	1
370	DSS1000-RTD	RTD PCB	1
380	MVC4-MB-MTR	MAIN PCB	1
390	52-12R-4800	FUSE 5500V 230A 12R RATED	3

*** IF 58-400A-7200C THIS ITEM PART OF SWITCH, IF 58-400A-7200 THIS PART IS SEPERATE

DIMENSIONS ARE IN INCHES AND TOLERANCES ON		 MOTORTRONICS 1600 SUNSHINE DR. CLEARWATER, FL. 33765	
3 PL DECIMALS	±.005	ASSEMBLY DRAWING FOR MVC4-41200-ESX8-A	
2 PL DECIMALS	±.02	SCALE	DRAWING NUMBER
1 PL DECIMALS	±.1	NOTED	MVC4-0552
FRACTIONS	±1/64	SHEET	REV. No.
ANGLES			

REV NO	REVISION	DATE	BY
1	AS BUILT	5/17/21	E.B



NOTE 2
CUSTOMER SUPPLIED
3PH MOTOR

NOTE 3
MOTOR FLA CHART

MOTOR FLA/SFL15	CT SIZE
1-41	50:5
42-49	75:5
50-59	75:5
60-69	100:5
70-82	100:5
83-93	120:5
94-100	125:5
101-109	150:5
110-121	150:5
122-129	200:5
130-149	200:5
150-163	200:5
164-191	250:5
192-249	300:5
250-260	300:5
261-337	400:5

SEE NOTE 3
FOR PANEL CT RATIO

COMPARTMENT

SEE SHEET
3 FOR
MORE DETAIL

SEE SHEET
2 FOR
MORE DETAIL

CAUTION

DO NOT BYPASS ELECTRICAL OR MECHANICAL INTERLOCKS. SERIOUS EQUIPMENT DAMAGE AND FATAL INJURY TO PERSONNEL COULD OCCUR.
NOTE: CUSTOMER IS RESPONSIBLE FOR LOCAL ELECTRICAL CODES.
NOTE 1: 400 AMP DISCONNECT IS LOAD GROUNDED WHEN OPEN.
NOTE 2: MOTOR FLA SET TO F/D (FACTORY DEFAULT)
NOTE 3: PANEL CT RATIO IS: 200:5

DIMENSIONS ARE IN INCHES AND TOLERANCES ON		MOTORTRONICS 1600 SUNSHINE DR. CLEARWATER, FL. 33765		
3 PL DECIMALS	±.005	MVC4-41200-ESX8-A WIRING DIAGRAM		
2 PL DECIMALS	±.02			
1 PL DECIMALS	±.1	SCALE	DRAWING NUMBER	DRAWN BY
FRACTIONS	±1/64	N/A	93-4397	DF CHK'D. BY.
ANGLES	±1/2°	SHEET	REV. No.	DATE
		1 OF 4	1	5/3/21

TBC1

CB (TB2-9) from 143 $\xrightarrow{173}$ 1
PUSHBUTTON to 143 $\xleftarrow{173A}$ 2

JUMPER

REMOVE JUMPER TO ADD CUSTOMER
SUPPLIED REMOTE EMERGENCY STOP
(N.C. DRY CONTACT)

REV NO	REVISION	DATE	BY
1	AS BUILT	5/17/21	EB

DIMENSIONS ARE IN INCHES AND TOLERANCES ON		 MOTORTRONICS	
		1600 SUNSHINE DR. CLEARWATER, FL. 33765	
3 PL DECIMALS	±.005	MVC4-41200-ESX8-A	
2 PL DECIMALS	±.02	WIRING DIAGRAM	
1 PL DECIMALS	±.1	SCALE	DRAWING NUMBER
FRACTIONS	±1/64	N/A	93-4397
ANGLES	±1/2°	SHEET	REV. No.
		2 OF 4	1
		DATE	5/3/21

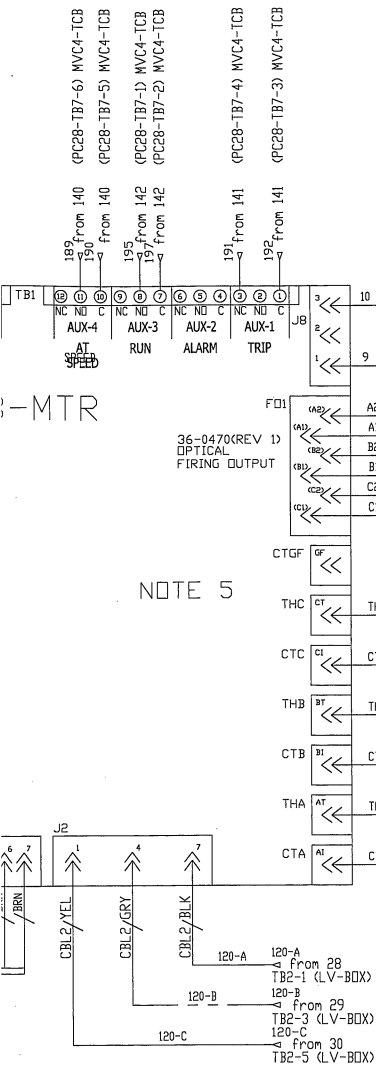
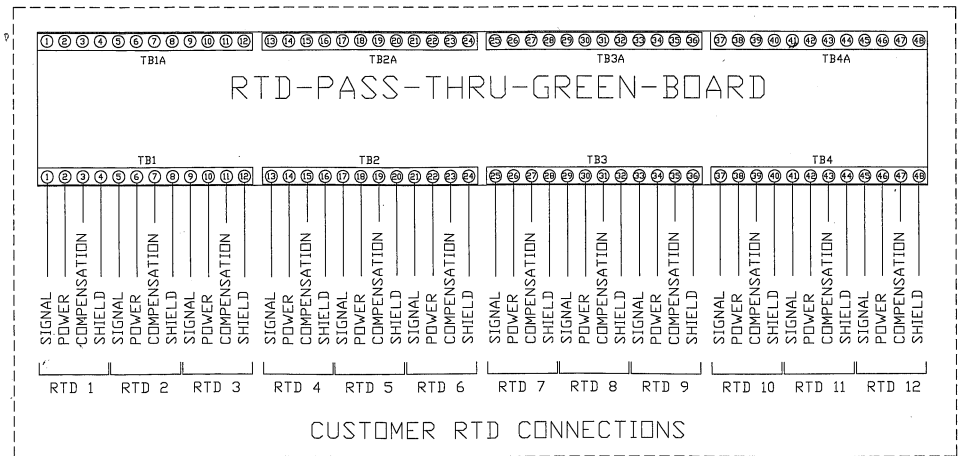
CAUTION

DO NOT BYPASS ELECTRICAL OR MECHANICAL INTERLOCKS. SERIOUS
EQUIPMENT DAMAGE AND FATAL INJURY TO PERSONNEL COULD OCCUR.

NOTE: CUSTOMER IS RESPONSIBLE FOR LOCAL ELECTRICAL CODES

REV NO	REVISION	DATE	BY
1	AS BUILT	5/17/21	EB

TCB PANEL



NOTE 5

CAUTION

DO NOT BYPASS ELECTRICAL OR MECHANICAL INTERLOCKS. SERIOUS EQUIPMENT DAMAGE AND FATAL INJURY TO PERSONNEL COULD OCCUR.

NOTE: CUSTOMER IS RESPONSIBLE FOR LOCAL ELECTRICAL CODES

NOTE 4: CABLE 4A & 4B ARE IN THE SAME WIRE BUNDLE

NOTE 5: DO NOT ADJUST ANY POTENTIOMETERS ON THE MVC4-MAIN BOARD

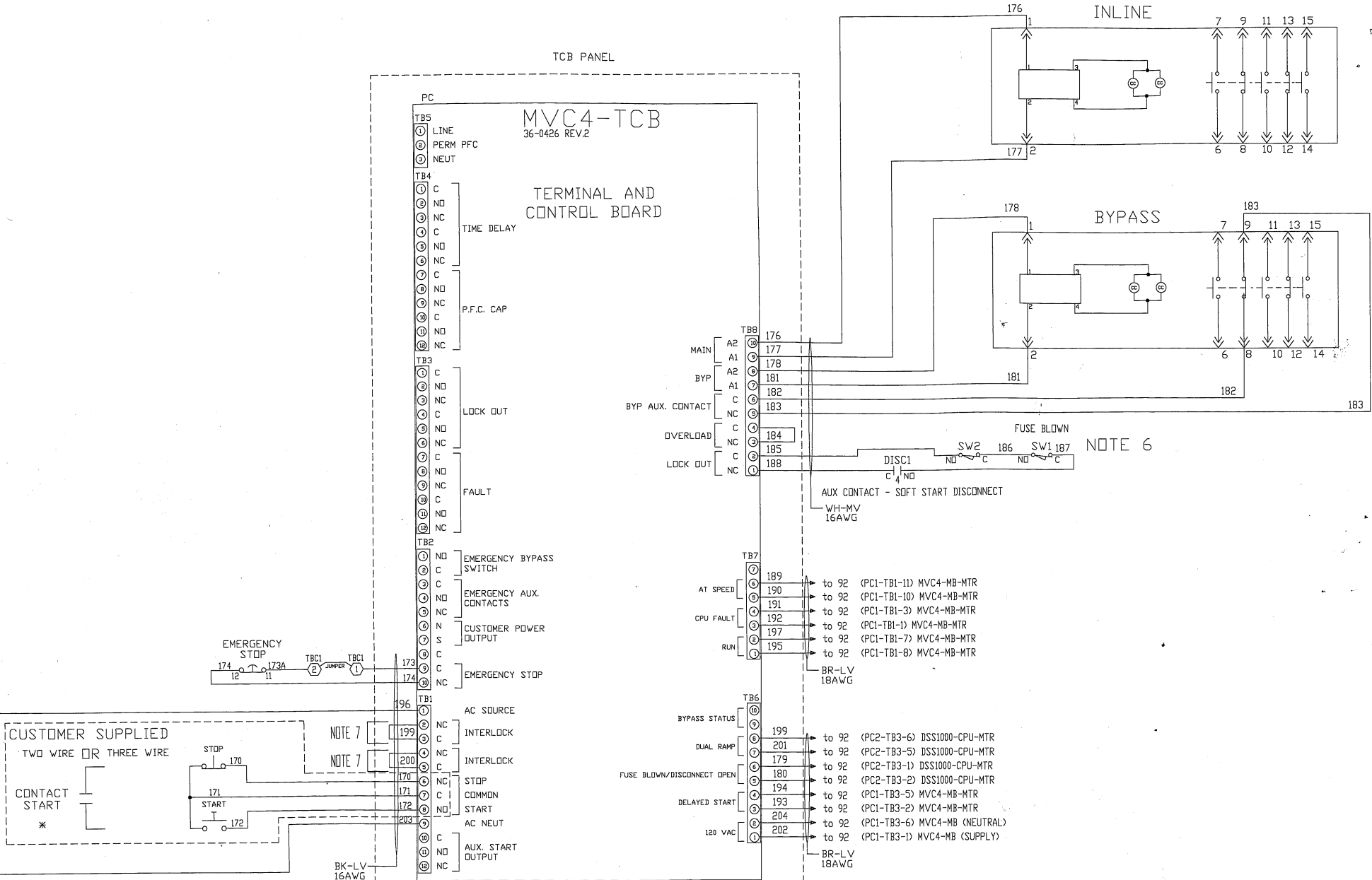
DIMENSIONS ARE IN INCHES AND TOLERANCES ON		MOTORTRONICS	
		1600 SUNSHINE DR. CLEARWATER, FL. 33765	
3 PL DECIMALS	±.005	MVC4-41200-ESX8-A	
2 PL DECIMALS	±.02	WIRING DIAGRAM	
1 PL DECIMALS	±.1	SCALE	DRAWING NUMBER
		N/A	93-4397
FRACTIONS	±1/64	SHEET	REV. No.
ANGLES	±1/2°	3 OF 4	1
		DATE	
		5/3/21	

DRAWN BY
DF
CHK'D. BY

REV NO	REVISION	DATE	BY
1	AS BUILT	5/17/21	EB

FROM SHEET 2

120
121
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* CONTACT START IS A MAINTAINED DRY CONTACT
(CLOSED TO RUN - OPEN TO STOP)

CAUTION

DO NOT BYPASS ELECTRICAL OR MECHANICAL INTERLOCKS. SERIOUS EQUIPMENT DAMAGE AND FATAL INJURY TO PERSONNEL COULD OCCUR.

NOTE: CUSTOMER IS RESPONSIBLE FOR LOCAL ELECTRICAL CODES

NOTE 6: FUSE BLOWN INDICATIONS ARE HELD NORMALLY CLOSED.

NOTE 7: USE OF THIS JUMPER IS OPTIONAL. IF USED INPUT MUST BE DRY, MAINTAINED CONTACT CAPABLE OF 120V

DIMENSIONS ARE IN INCHES AND TOLERANCES ON		MOTORTRONICS 1600 SUNSHINE DR. CLEARWATER, FL. 33765	
3 PL DECIMALS	±.005	MVC4-41200-ESX8-A	
2 PL DECIMALS	±.02	WIRING DIAGRAM	
1 PL DECIMALS	±.1	SCALE	DRAWING NUMBER
FRACTIONS	±1/64	N/A	93-4397
ANGLES	±1/2'	SHEET	REV. No.
		4 OF 4	1
			DATE
			5/3/21