

# 400 AMP WELD POWER DISTRIBUTION PANEL (UU) 200 A, (VV) 100 A CIRCUITS

ECS-5110-UU-VV

200 A  
CIRCUITS

100 A  
CIRCUITS

## APPLICATION NOTES:

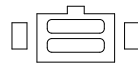
1. VV IS THE NUMBER OF 100 A THERMOMAGNETIC TRIP BRANCH CIRCUITS.
2. UU IS THE NUMBER OF 200 A ELECTRONIC TRIP BRANCH CIRCUITS.
3. THE FOLLOWING RULES FOR BRANCH CIRCUITS MUST BE OBSERVED:  
(UU + VV <= 5)
4. EXAMPLE PART NUMBER: ECS-5110-02-01 (THIS ECS WOULD CONTAIN  
(2) 200 A BRANCH CIRCUIT BREAKERS AND (1) 100 A BRANCH CIRCUIT  
BREAKERS).

## MAIN CIRCUIT BREAKER SETTINGS E104DISC

ETU350 LSI  
3VA6340-6HN31-....  
 $I_i = 4000A$

☐ ACT  
☐ AL1  
☐ AL2

$I_r/A$	$t_{ld}/s$	$I_{sd} = xI_r$	$t_{sd}/s$
300	3	3.5	0.08
280	2	3	0.15
240	1	2.5	0.22
200	0.75	2	0.3
150	0.5	1.5	0.4



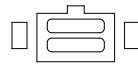
SET:  $I_r/A = 400 A$   $t_{ld}/s = 5 s$   $I_{sd} = xI_r = 4$   $t_{sd}/s = 0.22 s$

## BRANCH CIRCUIT BREAKER SETTINGS (200 A UU OPTION)

ETU350 LSI  
3VA6225-6HN31-....  
 $I_i = 2500A$

☐ ACT  
☐ AL1  
☐ AL2

$I_r/A$	$t_{ld}/s$	$I_{sd} = xI_r$	$t_{sd}/s$
200	3	3.5	0.08
175	2	3	0.15
150	1	2.5	0.22
125	0.75	2	0.3
100	0.5	1.5	0.4



SET:  $I_r/A = 200 A$   $t_{ld}/s = 10 s$   $I_{sd} = xI_r = 6$   $t_{sd}/s = 0.3 s$

LAST PART SELECTED WITH : GM\_ePartsDB\_202106 (A) (B)

DRAWING PACKAGE REVISION LEVEL: B

REFERENCE USED:		ENG. MGR:	
		NONE REQUIRED	
SYSTEM/TOOL NO:	RELEASE DATE:	REVISION LETTER:	SECTION LETTER:
	2020-03-31	B	A
DRAWING NUMBER:	DATE:	SHEET NUMBER:	
ECS-5110-UU-VV	2021-09-30	1 OF 3	



GM - STANDARD

GM ENGINEER:  
HARDWARE  
TEAM

DESIGN SOURCE:

DESIGN LEADER:  
GREG  
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 400 AMP WELD POWER DISTRIBUTION PANEL  
(UU) 200 A, (VV) 100 A CIRCUITS

SHEET DESCRIPTION: TITLE AND REFERENCE SHEET

PROJECT NAME: ECS-5110-UU-VV\_RevB(2021-09-30)

SAVE DATE: 2021-09-30

EPLAN VERSION: 2.7.3

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STATUS: RELEASED

SECTION		REV	SHEET	DESCRIPTION
A	REFERENCE	B	1	TITLE AND REFERENCE SHEET
		B	2	TABLE OF CONTENTS
		B	3	REVISION SUMMARY SHEET
C	INTERCONNECT	A	1	INTERCONNECT
E	MAGNETICS	A	1	380 - 600 VAC POWER DISTRIBUTION
		A	2	380 - 600 VAC POWER DISTRIBUTION
X	ENCLOSURE	B	1	ENCLOSURE LAYOUT - FRONT
		A	2	ENCLOSURE LAYOUT - SIDE
		B	3	ENCLOSURE LAYOUT - TOP AND INSIDE BOTTOM
		B	4	TAG DETAILS
			5	TAG DETAILS
			6	SUBPLATE DETAIL
		B	7	SUBPLATE LAYOUT
		A	8	ENCLOSURE FOOTPRINT
YA	BILL OF MATERIAL	B	1	BOM CHANGE SHEET: ECS-5110-UU-VV-BOM (BASE BOM)
		B	2	ECS-5110-UU-VV-BOM (BASE BOM)
		B	3	ECS-5110-UU-VV-BOM (BASE BOM)
YB	VARIABLE BOM		1	BOM CHANGE SHEET: ECS-5110-UU-VV-BOM (UU OPTION)
			2	ECS-5110-UU-VV-BOM (UU OPTION)
YC	VARIABLE BOM		1	BOM CHANGE SHEET: ECS-5110-UU-VV-BOM (VV OPTION)
			2	ECS-5110-UU-VV-BOM (VV OPTION)
YZ	DEVICE LIST	B	1	DEVICE LIST
		B	2	DEVICE LIST

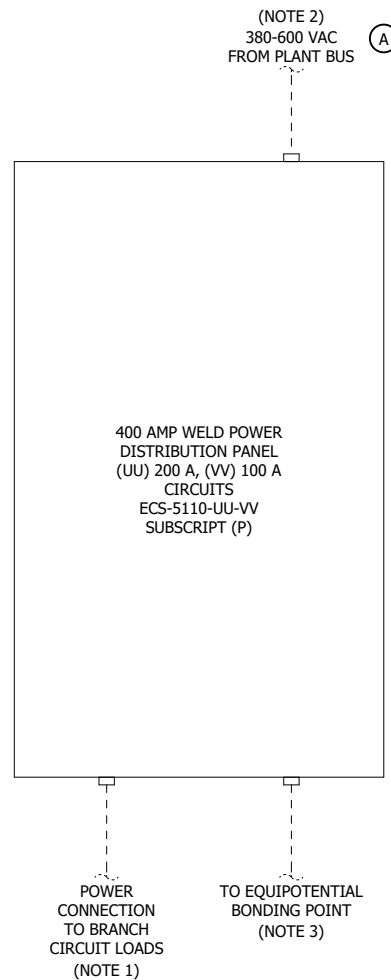
SECTION	REV	SHEET	DESCRIPTION
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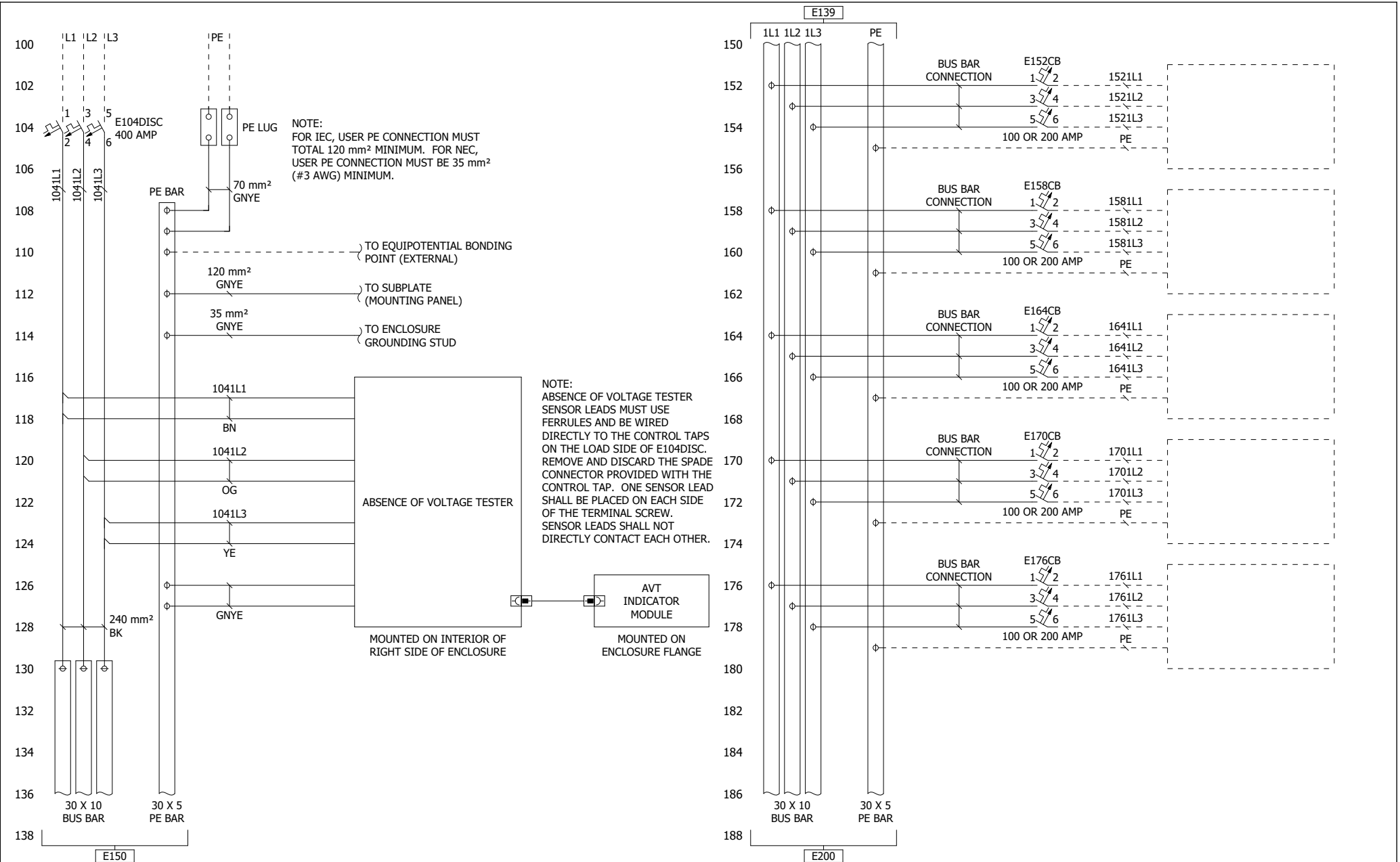
REV	SHEET AFFECTED	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY
A	A1	- DRAWING PACKAGE REVISION LEVEL WAS REL. - LAST PART SELECTED WITH WAS GM_EPARTSDB_202003.	2021-01-13	C	DB
	A2	- UPDATED TABLE OF CONTENTS TO REVISION A.			
	A3	- SHEET DESCRIPTION WAS MASTER CHANGE SHEET. - UPDATED TO REVISION A.			
	C1	- PLANT BUS VOLTAGE WAS 380-500 VAC.			
	E1	- UPDATED SHEET DESCRIPTION FROM 380-500 VAC.			
	E2	- UPDATED SHEET DESCRIPTION FROM 380-500 VAC.			
	X1	- AVT HOLE DIMENSION WAS 240 MM FROM TOP OF ENCLOSURE. - REPOSITIONED THE DOOR TAGS ON RIGHT CORNER OF DOOR TO MOVE AVT TAG. - WARNING TAG WAS 380-500 VOLTS.			
	X2	- UPDATED THE DISCONNECT HANDLE.			
	X4	- WARNING TAG WAS 380-500 VOLTS.			
	X7	- UPDATED AVT HOLE LOCATION ON ENCLOSURE.			
	X8	- UPDATED AVT HOLE LOCATION ON ENCLOSURE.			
B	A1	- UPDATED DRAWING PACKAGE TO REV B - UPDATED PART DATABASE TO GM_EPARTSDB_202106	2021-09-30	C	SK
	A2	- UPDATED DRAWING PACKAGE TO REV B			
	A3	- UPDATED DRAWING PACKAGE TO REV B			
	X1	- LABEL TEXT CHANGED FROM WARNING TO DANGER			
	X3	- LABEL TEXT CHANGED FROM WARNING TO CAUTION			
	X4	- LABEL TEXT CHANGED FROM WARNING TO DANGER			
	X7	- MOVED BUS DOWN BY '20MM'			

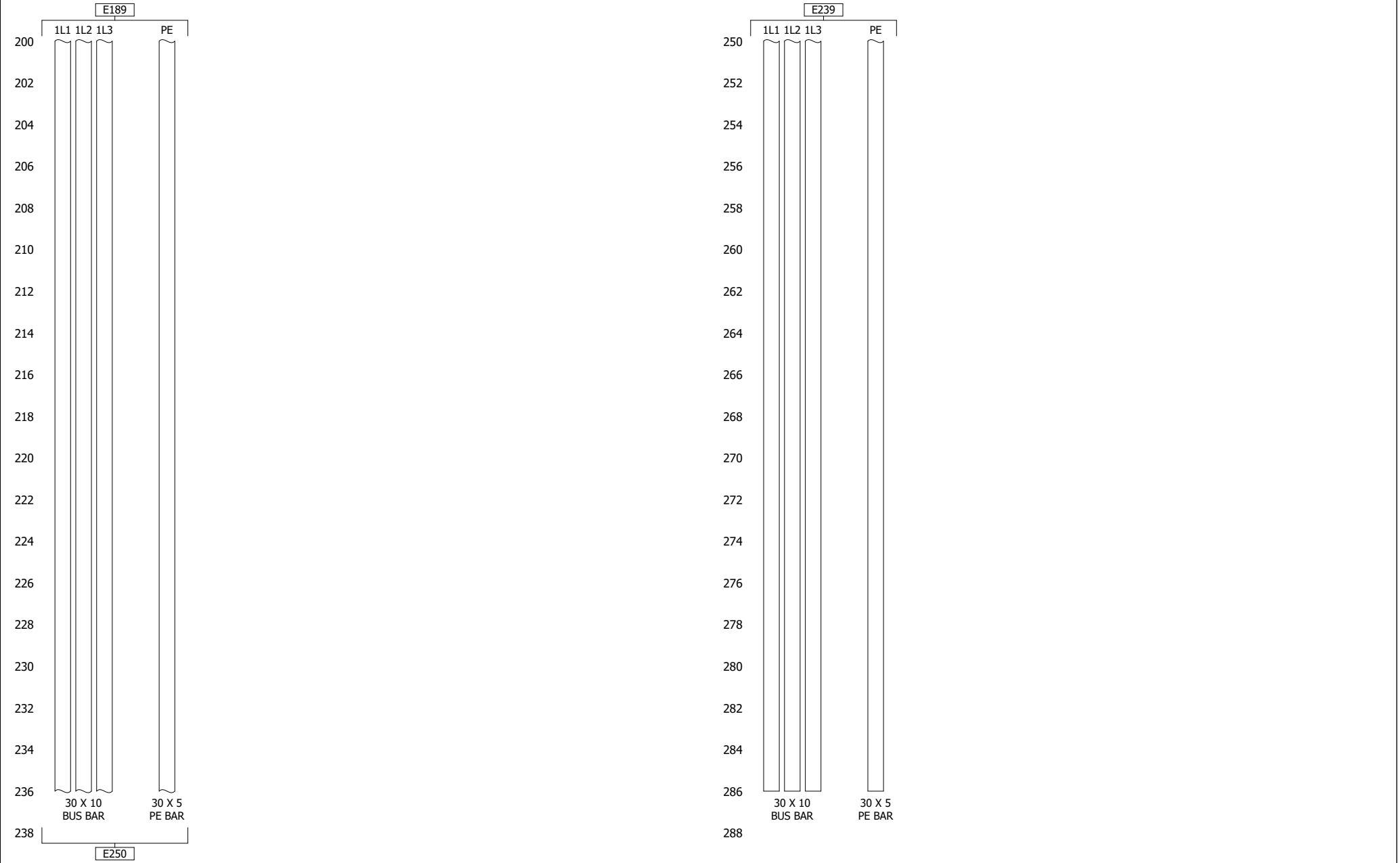
REV	SHEET AFFECTED	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY

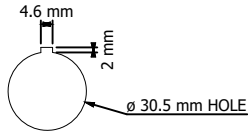
CHANGE CODE	
PR	PRODUCT CHANGE
R	PLANT REQUEST
MP	MECHANICAL PROCESS CHANGE
CP	CONTROL PROCESS CHANGE
M	MECHANICAL DESIGN CHANGE
C	CONTROL DESIGN CHANGE
F	FLOOR AND BUILD CHANGE

1. THIS ENCLOSURE SUPPORTS UP TO (5) 100 OR 200 A BRANCH CIRCUITS.
2. USE ONLY WIRE SIZE AND STRAND CLASS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. REMOVE INSULATION FROM WIRE AND TORQUE TERMINALS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. EQUIPOTENTIAL BONDING CONNECTION REQUIRED. REFERENCE APPLICATION WD.

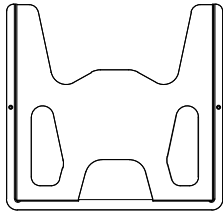








DETAIL "A"  
ABSENCE OF VOLTAGE TESTER  
INDICATOR MODULE MOUNTING HOLE



PRINT POCKET INSIDE DOOR  
(SUPPLIED WITH ENCLOSURE)

**DOOR BONDING INSTRUCTIONS**

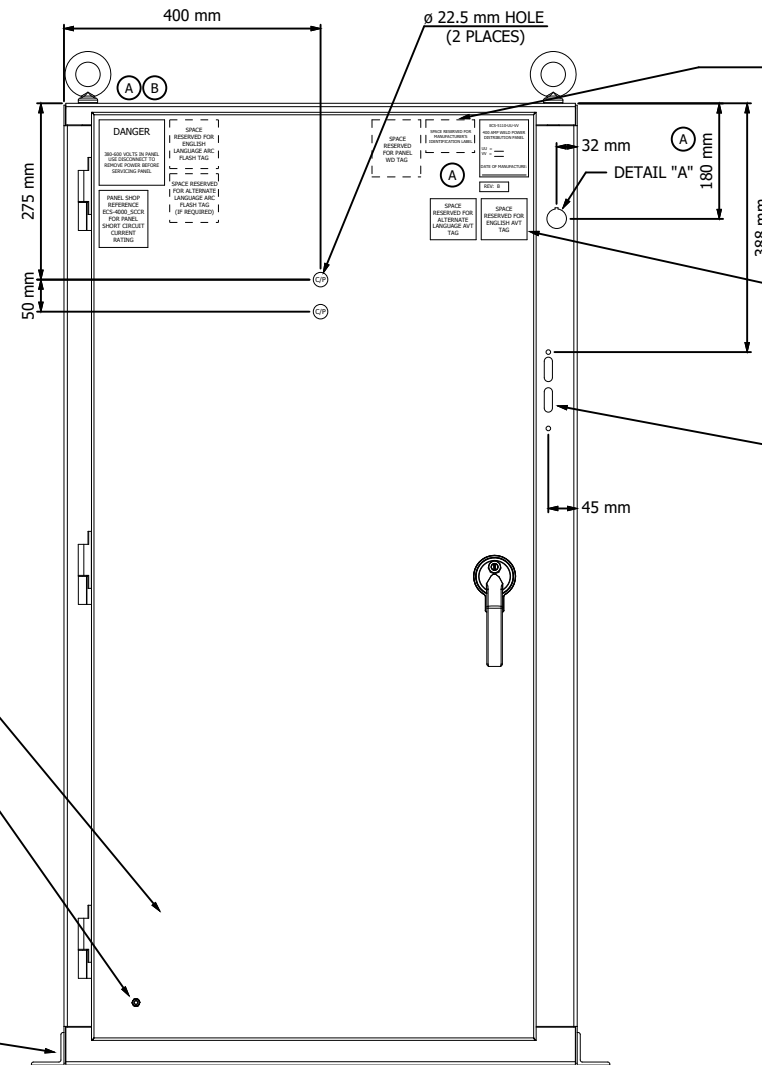
SUPPLY GROUNDING STUD ON  
INTERIOR OF DOOR AND INSIDE  
ENCLOSURE.

PROVIDE 16 mm<sup>2</sup> COPPER BRAID  
BONDING CONDUCTOR BETWEEN  
THE DOOR AND ENCLOSURE  
GROUNDING STUDS. USE  
NON-INSULATED CRIMP RING LUG  
ON EACH BRAID END.

(SUPPLIED WITH ENCLOSURE)

50 mm x 50 mm CONTINUOUS ANGLE  
IRON WITH 16 mm HOLES FOR LAGGING  
ENCLOSURE TO FLOOR (2 PLACES)

(SUPPLIED WITH ENCLOSURE)



ITEM PROVIDED BY  
PANEL MANUFACTURER  
TAG SIZE:  
76 mm W x 51 mm H

INSTALL ENGLISH LANGUAGE ABSENCE OF VOLTAGE TESTER  
LABEL AS SHOWN. STORE THE OTHER LANGUAGE LABELS IN THE  
INTERIOR PRINT POCKET.

MARK "LOAD" FOR TESTER LOCATION ON ALL LABELS USING A  
PERMANENT INK MARKER.

**ACTUATOR REQUIREMENTS**

MUST BE READILY ACCESSIBLE WITH  
DOORS IN THE OPEN OR CLOSED POSITION

MUST BE LOCKABLE IN THE OFF POSITION  
ONLY

MUST BE IN CONTROL OF THE DISCONNECT AT  
ALL TIMES, INDEPENDENT OF THE POSITION OF  
THE ASSOCIATED DOOR.

MUST BE INTERLOCKED WITH THE DOOR SO  
THAT THE DOOR CAN ONLY BE OPEN WHEN THE  
MAIN BREAKER IS OFF AND SO THE MAIN  
BREAKER CAN ONLY BE SWITCHED ON WHEN  
THE DOOR IS CLOSED.

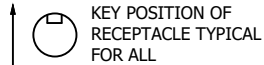
MUST BE ABLE TO OVERRIDE DOOR  
INTERLOCKING WITH A SCREWDRIVER.

**NOTES:**

- ENCLOSURE TO BE CONSTRUCTED TO CURRENT GCCB-1  
AND GCCH-1 STANDARDS.
- INCLUDE A COPY OF THIS DRAWING PACKAGE INSIDE  
THE ENCLOSURE.
- PROVIDE A TAG WITH RECEPTACLE NAME ON THE  
INSIDE AND OUTSIDE OF THE ENCLOSURE FOR EACH  
RECEPTACLE.
- ALL TAGS TO BE WHITE WITH BLACK LETTERING  
UNLESS NOTED OTHERWISE.

ENCLOSURE - 1500 mm H X 800 mm W X 400 mm D

TOP OF ENCLOSURE (SIDE MOUNTED)  
OR  
FRONT OF ENCLOSURE (TOP/BOTTOM MOUNTED)



GM - STANDARD

GM ENGINEER:  
HARDWARE  
TEAM

DESIGN SOURCE:

DESIGN LEADER:  
GREG  
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 400 AMP WELD POWER DISTRIBUTION PANEL  
(UU) 200 A, (VV) 100 A CIRCUITS

SHEET DESCRIPTION: ENCLOSURE LAYOUT - FRONT

SYSTEM/TOOL NO:

RELEASE DATE:  
2020-03-31

REVISION  
LETTER: B  
DATE:  
2021-09-30

SECTION  
LETTER: X

SHEET  
NUMBER:  
1 OF 8

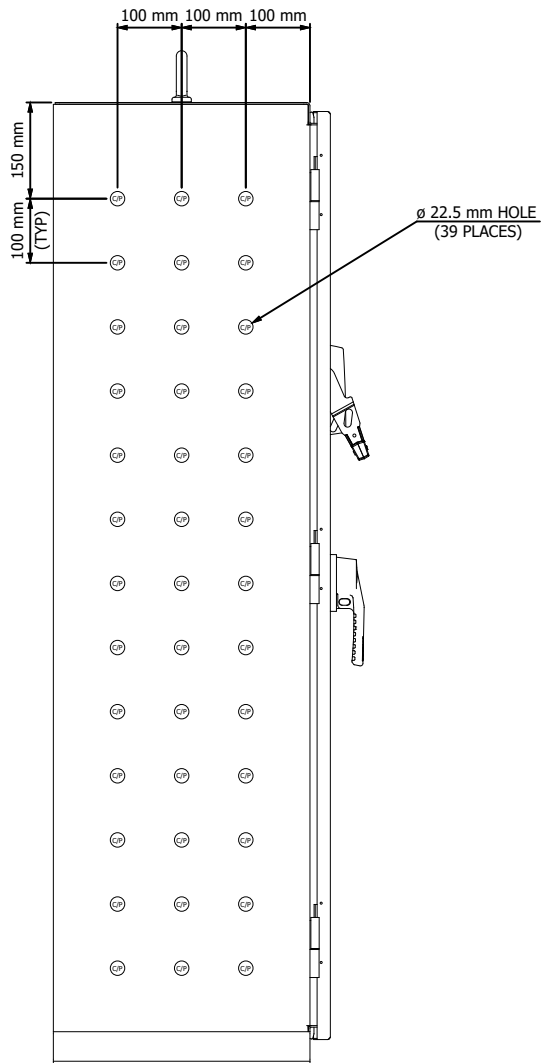
DRAWING NUMBER:  
ECS-5110-UU-VV

STATUS: RELEASED

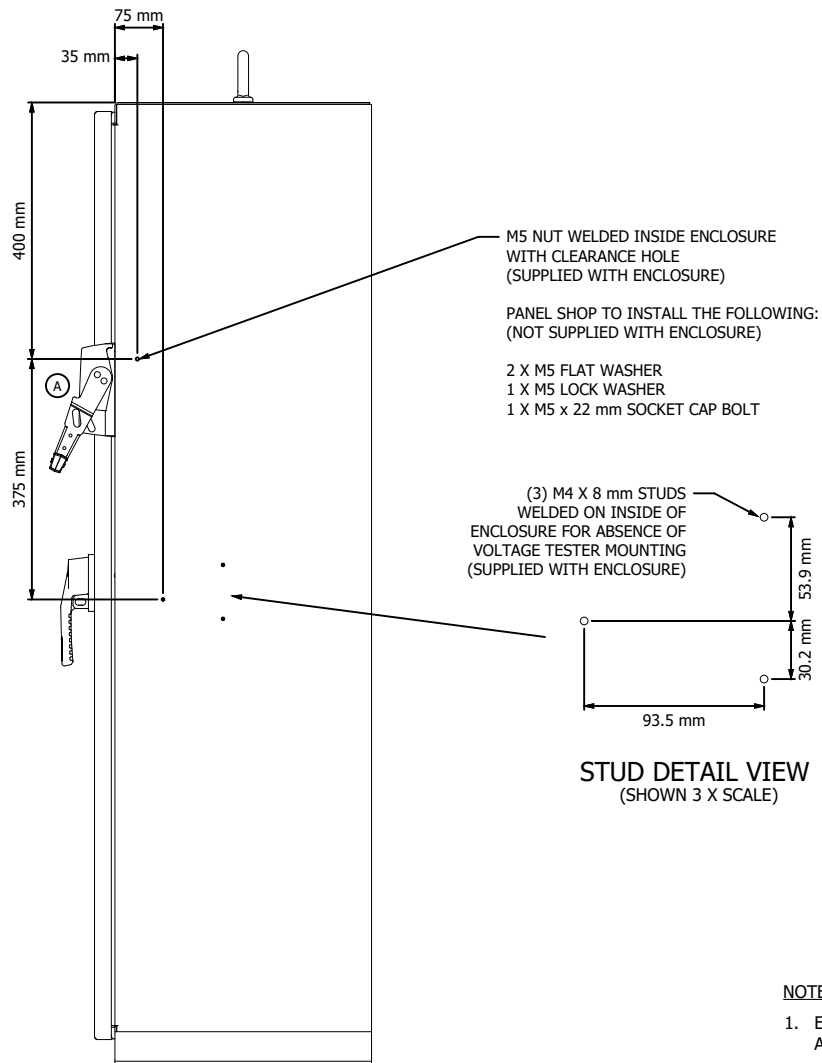
PROJECT NAME: ECS-5110-UU-VV\_RevB(2021-09-30)

SAVE DATE: 2021-09-30

EPLAN VERSION: 2.7.3



LEFT SIDE VIEW



STUD DETAIL VIEW  
(SHOWN 3 X SCALE)

TOP OF ENCLOSURE (SIDE MOUNTED)  
OR  
FRONT OF ENCLOSURE (TOP/BOTTOM MOUNTED)

↑ KEY POSITION OF  
RECEPTACLE TYPICAL  
FOR ALL

NOTES:

- ENCLOSURE TO BE CONSTRUCTED TO CURRENT GCCB-1 AND GCCH-1 STANDARDS.
- INCLUDE A COPY OF THIS DRAWING PACKAGE INSIDE THE ENCLOSURE.
- PROVIDE A TAG WITH RECEPTACLE NAME ON THE INSIDE AND OUTSIDE OF THE ENCLOSURE FOR EACH RECEPTACLE.
- ALL TAGS TO BE WHITE WITH BLACK LETTERING UNLESS NOTED OTHERWISE.



GM - STANDARD

GM ENGINEER:  
HARDWARE  
TEAM

DESIGN SOURCE:

DESIGN LEADER:  
GREG  
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 400 AMP WELD POWER DISTRIBUTION PANEL  
(UU) 200 A, (VV) 100 A CIRCUITS  
SHEET DESCRIPTION: ENCLOSURE LAYOUT - SIDE

SYSTEM/TOOL NO:

RELEASE DATE:  
2020-03-31

REVISION  
LETTER:  
A  
DATE:  
2021-01-13

SECTION  
LETTER:  
X

SHEET  
NUMBER:  
2 OF 8

DRAWING NUMBER:  
ECS-5110-UU-VV

STATUS: RELEASED

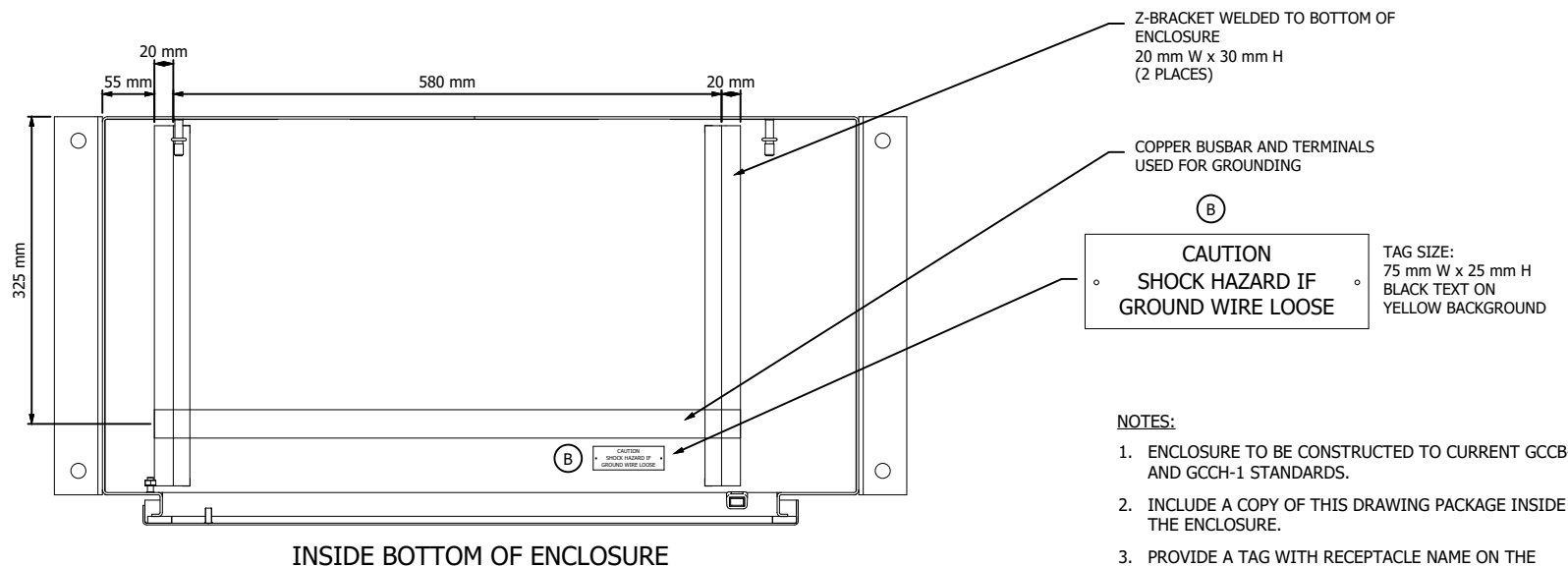
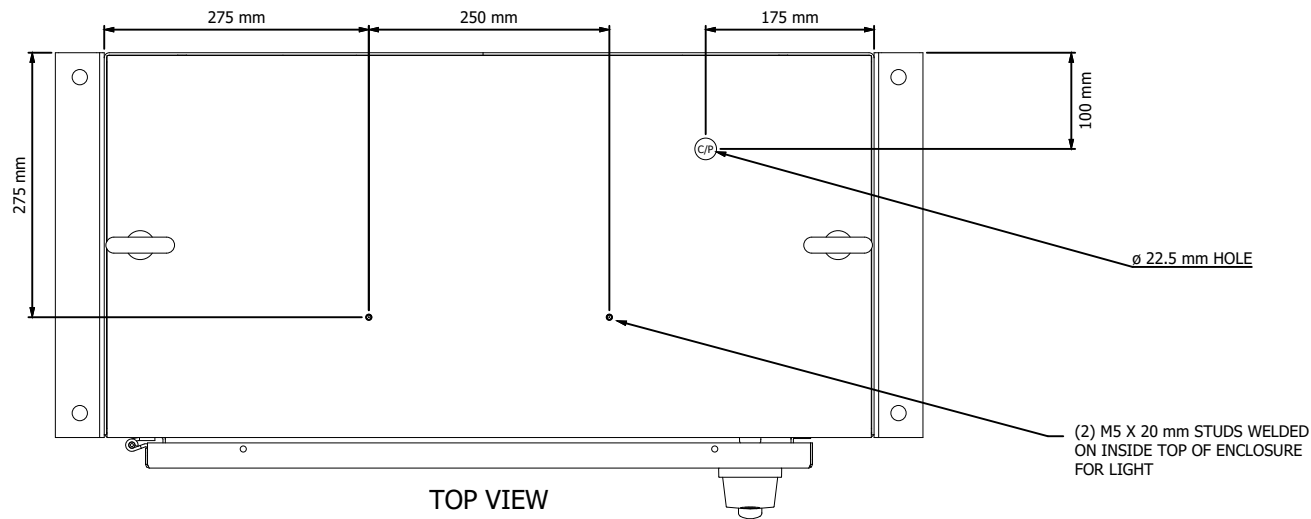
PROJECT NAME: ECS-5110-UU-VV\_RevB(2021-09-30)

SAVE DATE: 2021-01-13

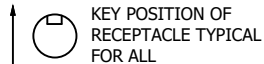
EPLAN VERSION: 2.7.3

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TOP OF ENCLOSURE (SIDE MOUNTED)  
OR  
FRONT OF ENCLOSURE (TOP/BOTTOM MOUNTED)



**NOTES:**

- ENCLOSURE TO BE CONSTRUCTED TO CURRENT GCCB-1 AND GCCH-1 STANDARDS.
- INCLUDE A COPY OF THIS DRAWING PACKAGE INSIDE THE ENCLOSURE.
- PROVIDE A TAG WITH RECEPTACLE NAME ON THE INSIDE AND OUTSIDE OF THE ENCLOSURE FOR EACH RECEPTACLE.
- ALL TAGS TO BE WHITE WITH BLACK LETTERING UNLESS NOTED OTHERWISE.



GM - STANDARD

GM ENGINEER:  
HARDWARE  
TEAM

DESIGN SOURCE:

DESIGN LEADER:  
GREG  
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 400 AMP WELD POWER DISTRIBUTION PANEL  
(UU) 200 A, (VV) 100 A CIRCUITS

SHEET DESCRIPTION: ENCLOSURE LAYOUT - TOP AND INSIDE BOTTOM

SYSTEM/TOOL NO:

RELEASE DATE:  
2020-03-31

REVISION  
LETTER:  
B  
DATE:  
2021-09-30

SECTION  
LETTER:  
X

SHEET  
NUMBER:  
3 OF 8

DRAWING NUMBER:  
ECS-5110-UU-VV

STATUS: RELEASED

PROJECT NAME: ECS-5110-UU-VV\_RevB(2021-09-30)

SAVE DATE: 2021-09-30

EPLAN VERSION: 2.7.3

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TAG SIZE:  
102 mm W x 102 mm H  
WHITE TEXT ON  
RED BACKGROUND

(A) (B)

**TAG SIZE:**  
76 mm W x 89 mm H

PANEL SHOP TO PROVIDE  
INFORMATION FOR ALL BLANK  
FIELDS BASED ON ACTUAL  
PANEL CONSTRUCTION.

$$\begin{array}{l} UU = \underline{\hspace{2cm}} \\ VW = \underline{\hspace{2cm}} \end{array}$$

DATE OF MANUFACTURE:

45 mm W x 15 mm H

REV: B

**NOTES:**

1. ALL TAGS TO BE WHITE WITH BLACK LETTERING UNLESS NOTED OTHERWISE.
2. WIRE NUMBERS AND PUSHBUTTON COLOR SHOWN ON TAGS FOR WIRING PURPOSES ONLY. DO NOT MARK WIRE NUMBERS OR PB COLOR ON TAGS.



PROGRAMS:	
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SHEET  
NUMBER:

DRAWING NUMBER:  
ECS-5110-UU-VV

X 4 OF 8

SAVE DATE: 2021-09-30

EPLAN VERSION: 2.7.3

STATUS: RELEASED


TAG SIZE:  
102 mm W x 178 mm H

LUG TORQUE VALUES (UL) - ECS-5110			
TERMINAL	WIRE STRANDING CLASS	WIRE SIZE (AWG)	TORQUE (LB-IN)
E104DISC LINE SIDE	CLASS B/C	#1/0 - 4/0 250 - 500	140 248
100 A BRANCH LOAD SIDE	CLASS B/C	#10 - 4 #3 - 3/0	105 140
200 A BRANCH LOAD SIDE	CLASS B/C	#10 - 4 #3 - 3/0	105 140
PE LUG LINE SIDE	NOT SPECIFIED	#6 - 2/0	105
PE BAR LARGE TERMINAL	NOT SPECIFIED	#6 - 2/0	105
NOTE: TORQUE VALUES PROVIDED ARE FOR LUGS INCLUDED IN THE STANDARD PDP DESIGN AND WITH THE WIRE STRANDING AND SIZES SHOWN ONLY. IF ALTERNATE LUGS ARE USED, THEN WIRE STRANDING AND SIZE AND TERMINAL TORQUE MUST BE ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.			

TAG SIZE:  
102 mm W x 178 mm H

LUG TORQUE VALUES (IEC) - ECS-5110			
TERMINAL	WIRE STRANDING CLASS	WIRE SIZE (mm²)	TORQUE (N-m)
E104DISC LINE SIDE	CLASS 2	35 - 95 120 - 300	16 28
100 A BRANCH LOAD SIDE	CLASS 2	6 - 25 35 - 120	6 10
200 A BRANCH LOAD SIDE	CLASS 2	6 - 25 35 - 120	6 10
PE LUG LINE SIDE	NOT SPECIFIED	16 - 70	12
PE BAR LARGE TERMINAL	NOT SPECIFIED	16 - 70	12
NOTE: TORQUE VALUES PROVIDED ARE FOR LUGS INCLUDED IN THE STANDARD PDP DESIGN AND WITH THE WIRE STRANDING AND SIZES SHOWN ONLY. IF ALTERNATE LUGS ARE USED, THEN WIRE STRANDING AND SIZE AND TERMINAL TORQUE MUST BE ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.			

- NOTES:**
1. ALL TAGS TO BE WHITE WITH BLACK LETTERING UNLESS NOTED OTHERWISE.
  2. INSTALL TORQUE VALUE LABELS ON THE INSIDE OF THE ENCLOSURE DOOR ON THE UPPER RIGHT SIDE.

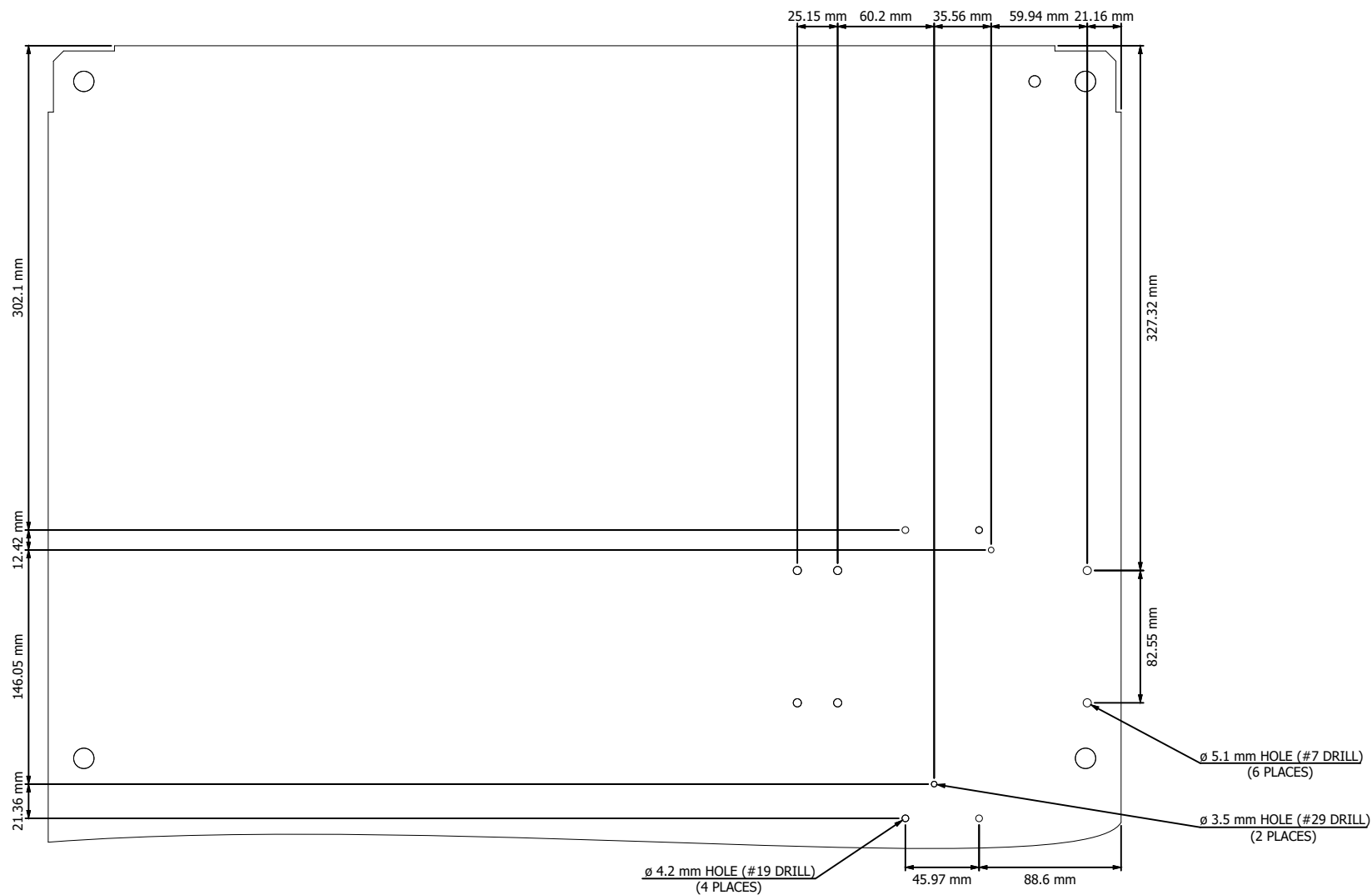
 <b>GM - STANDARD</b>	<b>GM ENGINEER:</b> HARDWARE TEAM	<b>DESIGN SOURCE:</b>	<b>DESIGN LEADER:</b> GREG DOPPKE	<b>PROGRAMS:</b>	<b>PACKAGE DESCRIPTION:</b> 400 AMP WELD POWER DISTRIBUTION PANEL (UU) 200 A, (VV) 100 A CIRCUITS	<b>SYSTEM/TOOL NO:</b>	<b>RELEASE DATE:</b> 2020-03-31	<b>REVISION LETTER:</b>	<b>SECTION LETTER:</b>	<b>SHEET NUMBER:</b>
					<b>SHEET DESCRIPTION:</b> TAG DETAILS	<b>DRAWING NUMBER:</b> ECS-5110-UU-VV		<b>DATE:</b>	<b>X</b>	<b>5 OF 8</b>

STATUS: RELEASED

PROJECT NAME: ECS-5110-UU-VV\_RevB(2021-09-30)

SAVE DATE: 2020-03-19

EPLAN VERSION: 2.7.3




**NOTE:**

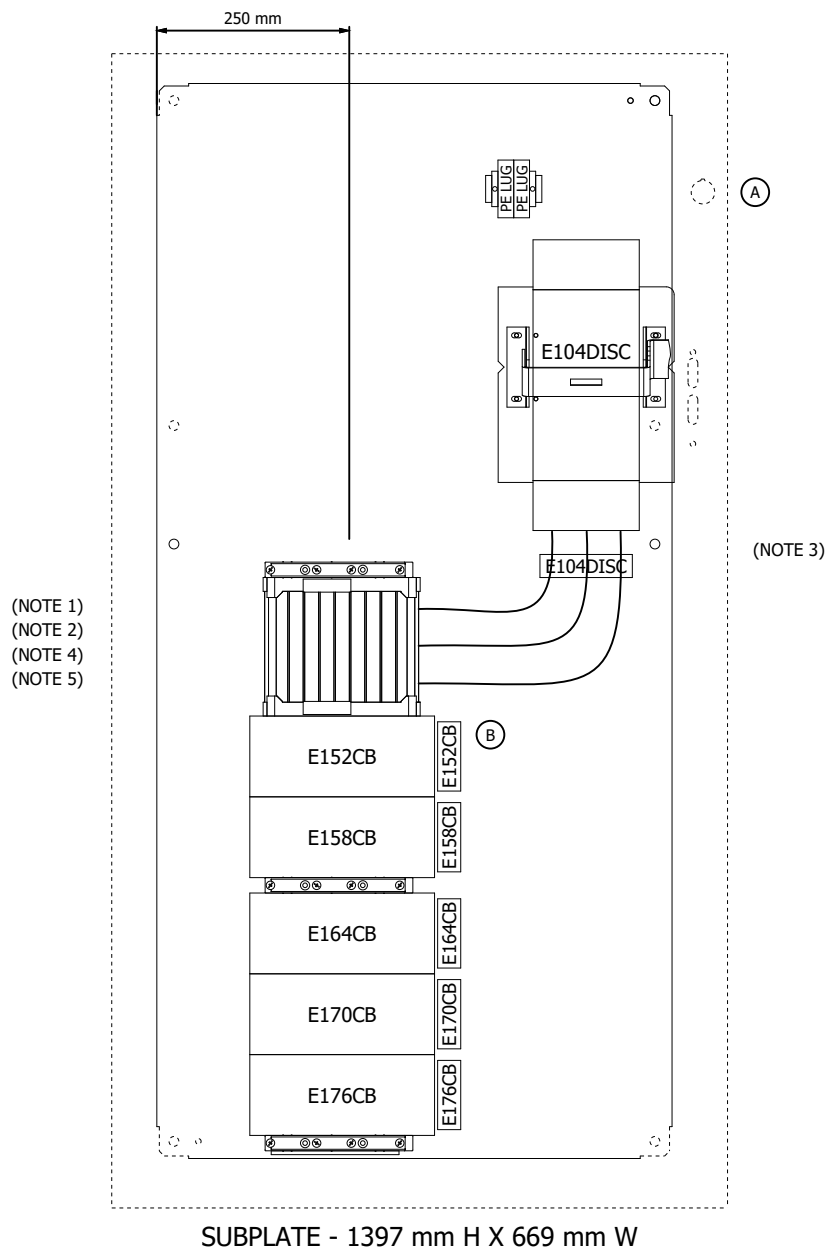
DIMENSIONS SHOWN ARE VALID FOR ENCLOSURE SPECIFIED ON BOM. IF AN ALTERNATIVE ENCLOSURE IS USED, THEN THE DIMENSIONS MAY VARY. THE BREAKER AND OPERATING MECHANISM MUST BE LOCATED PER THE MANUFACTURER'S REQUIREMENTS.

## CIRCUIT BREAKER AND DISCONNECT MECHANISM MOUNTING DETAIL

**NOTE:**

PANEL SHOP TO TAP HOLES IN SUBPLATE - DO NOT FASTEN COMPONENTS WITH NUTS BEHIND THE SUBPLATE.

	GM - STANDARD	GM ENGINEER:	DESIGN SOURCE:	DESIGN LEADER:	PROGRAMS:	PACKAGE DESCRIPTION:	400 AMP WELD POWER DISTRIBUTION PANEL (UU) 200 A, (VV) 100 A CIRCUITS	SYSTEM/TOOL NO:	RELEASE DATE: 2020-03-31	REVISION LETTER:	SECTION LETTER:	SHEET NUMBER:	
		HARDWARE TEAM		GREG DOPPKE		SHEET DESCRIPTION:	SUBPLATE DETAIL						DRAWING NUMBER: ECS-5110-UU-VV
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STATUS: RELEASED						PROJECT NAME: ECS-5110-UU-VV RevB(2021-09-30)				SAVE DATE: 2020-03-19		EPLAN VERSION: 2.7.3	



#### NOTES:

1. INSTALL BRANCH BREAKERS FROM SMALLEST TO LARGEST SIZE.
2. INSTALL TAGS FOR ALL BREAKERS REGARDLESS OF WHETHER OR NOT THE BREAKER IS PRESENT.
3. ABSENCE OF VOLTAGE TESTER SENSOR LEADS MUST USE FERRULES AND BE WIRED DIRECTLY TO THE CONTROL TAPS ON THE LOAD SIDE OF E104DISC. REMOVE AND DISCARD THE SPADE CONNECTOR PROVIDED WITH THE CONTROL TAP. ONE SENSOR LEAD SHALL BE PLACED ON EACH SIDE OF THE TERMINAL SCREW. SENSOR LEADS SHALL NOT DIRECTLY CONTACT EACH OTHER.
4. INSTALL FULL BUS BAR AND ALL SUPPORTS REGARDLESS OF THE NUMBER OF BRANCH BREAKERS ORDERED.
5. UNUSED BUS BAR SHALL BE COVERED WITH COVER PROFILES (GCCL #11419).

	<b>GM - STANDARD</b>	<b>GM ENGINEER:</b> HARDWARE TEAM	<b>DESIGN SOURCE:</b>	<b>DESIGN LEADER:</b> GREG DOPPKE	<b>PROGRAMS:</b>	<b>PACKAGE DESCRIPTION:</b> 400 AMP WELD POWER DISTRIBUTION PANEL (UU) 200 A, (VV) 100 A CIRCUITS	<b>SYSTEM/TOOL NO:</b>	<b>RELEASE DATE:</b> 2020-03-31	<b>REVISION LETTER:</b> B	<b>SECTION LETTER:</b>	<b>SHEET NUMBER:</b>
						<b>SHEET DESCRIPTION:</b> SUBPLATE LAYOUT	<b>DRAWING NUMBER:</b> ECS-5110-UU-VV	<b>DATE:</b> 2021-09-30	<b>DATE:</b> 2021-09-30	<b>X</b>	<b>7 OF 8</b>

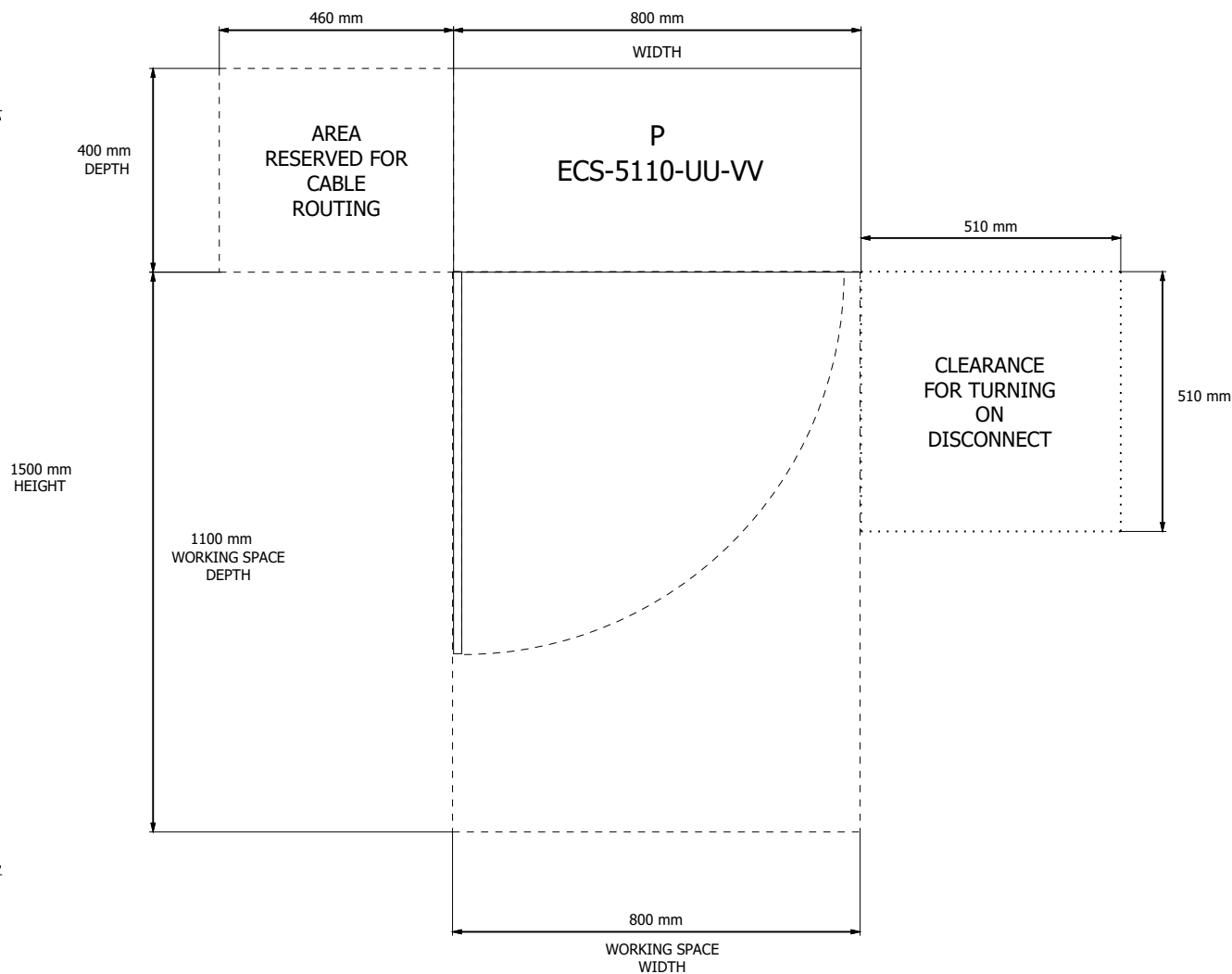
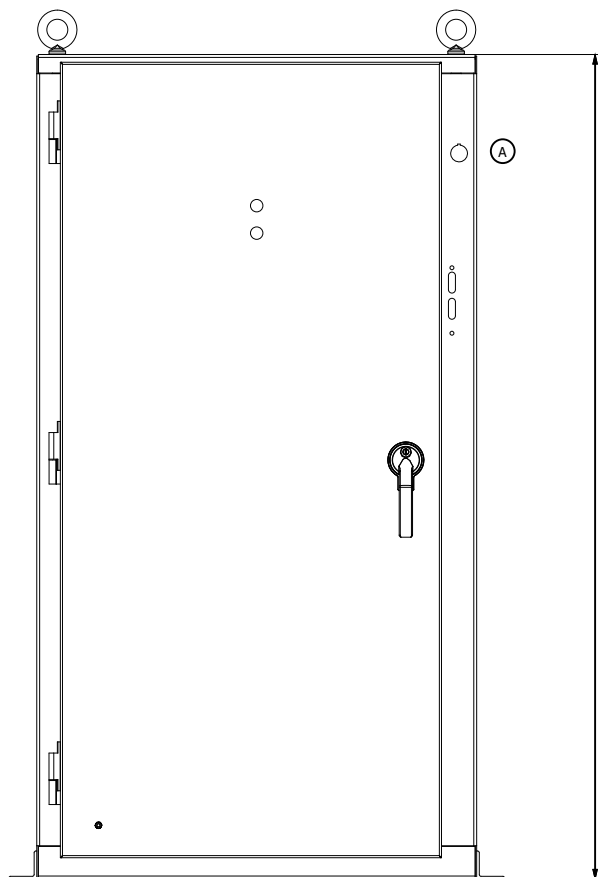
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STATUS: RELEASED

PROJECT NAME: ECS-5110-UU-VV\_RevB(2021-09-30)

SAVE DATE: 2021-09-30

EPLAN VERSION: 2.7.3



GM - STANDARD

GM ENGINEER:  
HARDWARE  
TEAM

DESIGN SOURCE:

DESIGN LEADER:  
GREG  
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 400 AMP WELD POWER DISTRIBUTION PANEL  
(UU) 200 A, (VV) 100 A CIRCUITS

SHEET DESCRIPTION: ENCLOSURE FOOTPRINT

SYSTEM/TOOL NO:

RELEASE DATE:  
2020-03-31

REVISION  
LETTER: A  
DATE:  
2021-01-13

SECTION  
LETTER: X

SHEET  
NUMBER:  
8 OF 8

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USE SUCH MATERIAL FOR ANY PURPOSE OTHER THAN THE FURNISHING OF SERVICES AND SUPPLIES.

STATUS: RELEASED

PROJECT NAME: ECS-5110-UU-VV\_RevB(2021-09-30)

SAVE DATE: 2021-01-13

EPLAN VERSION: 2.7.3



BOM NAME:  
ECS-5110-UU-VV-BOM (BASE BOM)

SOURCE  
LEGEND

F - FURNISHED BY GM  
M - CONSTRUCTION SOURCE MAKE ITEM  
REF - PURCHASED BY OTHERS (NO SUBSTITUTION)  
  
NOTE: 'N' SUFFIX ON SOURCE CODE DENOTES AN ITEM THAT IS NOT REQUIRED TO BE STOCKED AS SPARE BY THE PLANT.

B1 - PURCHASE ITEM OR EQUIVALENT ITEM (GM APPROVAL NOT REQUIRED)  
B2 - PURCHASE ITEM (SUBSTITUTION REQUIRES GM APPROVAL) -INTERCHANGEABLE COMPONENT  
B3 - PURCHASE ITEM (SUBSTITUTION REQUIRES GM APPROVAL) -NOT AN INTERCHANGEABLE COMPONENT  
B4 - PURCHASE ITEM (NO SUBSTITUTION)

BOM REV	ITEM NUMBER	QUANTITY	PART DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	GCCL REFERENCE	COMMENTS
	11080	2	BUSBAR SYSTEM, ACCESSORIES BUSBAR CENTER-TO-CENTER SPACING 60 mm N/PE BUSBAR HOLDER FOR BUSBARS 12X 5 (10)-30X 5 (10) AND 6X 6 mm, FREE-STANDING INSTALLATION OR ATTACHMENT TO 8US1923-2AA01	SIEMENS	8US1923-1AA01	B3-N		
	11104	1	OPERATING UNIT WITH ROD VARIABLE DEPTH FLANGE MOUNTED OPERATOR KIT, 3 POLE: CONSISTING OF: HANDLE STEEL CHROME PLATED NEMA 4/4X BLACK=OFF, BLACK=ON SWITCHING MECHANISM MOUNTING DEPTH 8" TO 16" ACCESSORY FOR: 3VA5 400, 3VA5 600 3VA6 400, 3VA6 600, W/ ADAPTER PLATE	SIEMENS	3VA9478-ODK84	B3		
	11115	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 1/0AWG - 500KCMIL. FOR (400-600A 3VA6) FRAME UL CIRCUIT BREAKERS.	SIEMENS	3VA9473-0JA13	B3		
	11127	2	TERMINAL COVER EXTENDED 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA5/6 400/600 PLUG-IN/DRAW-OUT BASE 3VA5/6 400/600 -	SIEMENS	3VA9471-0WF31	B3		
	11135	1	BOX TERMINAL W. CONTROL WIRE TAP 3 PCSL ACCESSORY FOR 3VA5/6 400/600	SIEMENS	3VA9473-0JH13	B3		
	11283	1	CIRCUIT BREAKER 3VA6 UL FRAME 400 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION ETU350, LSI, IN=400A OVERLOAD PROTECTION IR=160A...400A SHORT-CIRCUIT PROTECTION ISD=1.5...10 X IR, II=10 X IN WITHOUT CONNECTION	SIEMENS	3VA6340-6HN31-0AA0	B3		
	11415	2	TERMINAL, BUSBAR ADAPTER, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR 5 mm BUSBAR THICKNESS 1,5-16 mm²	SIEMENS	8US1921-2AA00	B3-N		
	11417	10	TERMINAL, BUSBAR ADAPTER, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR 5 mm BUSBAR THICKNESS 16-70 mm²	SIEMENS	8US1921-2AD00	B3-N		
	11418	2	COVER, END, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR BUSBAR ENDS ON HOLDER 8US1923, 3-POLE	SIEMENS	8US1922-1AC00	B3-N		
	11419	0 A/R	COVER, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR BUSBAR PROFILE, LENGTH 1000 mm, WIDTH 30 mm, THICKNESS 10 mm	SIEMENS	8US1922-2BA00	B3-N		
	11420	0 A/R	BUSBAR ACCESSORY, 60 mm FAST BUS BUSBAR SYSTEM, DISTANCE 60 mm BASE LENGTH 1100 mm INCREASED CLEARANCE DISTANCES INCREASED CREEPAGE DISTANCES ACC. UL508A ACCORDING TO UL508	SIEMENS	8US1922-2UA01	B3-N		
	11422	3	BUSBAR SYSTEM, ACCESSORY BUSBAR DISTANCE 60 mm BUSBAR SUPPORT FOR 12X5 (10)-30X5 (10) PROFILES INSIDE FIXING WITH INC. CLEARANCE DISTANCES WITH INC. CREEPAGE DISTANCES ACCORDING TO UL508	SIEMENS	8US1923-3UA01	B3-N		
	11425	1	COVER, BUSBAR SYSTEM, BUSBAR CENTER-TO-CENTER CLEARANCE 60 mm, FOR USE WITH 8US1941-2AA03 & 8US1941-2AA04	SIEMENS	8US1922-1GC00	B3-N		
	11427	1	CONNECTION TERMINAL SET, 3-POLE ROUND CABLE 95 ... 300 mm² AWG BUSBAR CENTER-TO-CENTER SPACING 60 mm IEC/UL 508A *** COVER 8US1922-1GC00 TO BE ORDERED SEPARATELY ***	SIEMENS	8US1941-2AA03	B3-N		
	12712	2	BLOCK, TERMINAL, END ANCHORS - DIN RAIL, EW 35, BEIGE	WEIDMULLER	0383560000	B2-N		
	12726	2	BLOCK, TERMINAL, WPE 70N/35, PE, 70mm², GREEN-YELLOW	WEIDMULLER	9512200000	B2-N		
	75120	0 A/R	STANDARD MOUNTING RAIL 35X27X15,1.5mm THICK, 2 METERS LONG	PHOENIX	0806602	B1-N		
	75600	42	HOLE PLUG, 22.5mm DIAMETER	SIEMENS	3SU1900-0FA11-0AA0	B1-N		
	75805	0 A/R	TAGS, PANEL, STICK ON OR LAMICOID, MINIMUM FONT SIZE - 5mm (20PT)	CUSTOM	GENERIC TAG - PANEL	M-N		
	80040	1	VERISAFE ABSENCE OF VOLTAGE TESTER, 8' (2.4 m) SYSTEM CABLE, 10' (3.1 m) SENSOR LEADS	PANDUIT	VS-AVT-C08-L10	B3		
	80041	0 A/R	FERRULE, NON-INSULATED, #14 AWG, 12 mm LENGTH, FOR AVT SENSOR LEAD	PANDUIT	F80-12-M	B2		
	80042	1	LITHIUM BATTERY, 3.6 V, SIZE AA	TADIRAN XENO ENERGY SAFT	TL-5903 XLP-060F LS14500	REF		
	80061	1	TERMINAL, BUSBAR ADAPTER, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR 5 mm BUSBAR THICKNESS 16-120 mm²	SIEMENS	8US1921-2AC00	B3-N		



BOM NAME:

ECS-5110-UU-VV-BOM (BASE BOM)

SOURCE  
LEGEND

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M - CONSTRUCTION SOURCE MAKE ITEM  
REF - PURCHASED BY OTHERS (NO SUBSTITUTION)

B1 - PURCHASE ITEM OR EQUIVALENT ITEM (GM APPROVAL NOT REQUIRED)  
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BOM REV	ITEM NUMBER	QUANTITY	PART DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	GCCL REFERENCE	COMMENTS
	80077	0 A/R	COPPER RAIL, TIN PLATED, 30x10x2400	CUSTOM	30X10X2400	B1-N		
	80098	1	ENCLOSURE BUILT TO LATEST GCCB-1 AND GCCH-1 SPECIFICATIONS, 1500 mm H X 800 mm W X 400 mm D, RAL 7035 GRAY, 50 mm MOUNTING ANGLES, SUBPLATE, 1397 mm H X 669 mm W, 12 GAUGE MIN, GALVANIZED	HOFFMANN OR EQUIVALENT	X2727	B2-N		
	81430	0 A/R	COPPER RAIL, TIN PLATED, 30x5x2400	CUSTOM	30X5X2400	B1-N		

REV	ITEM NUMBER	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY

REV	ITEM NUMBER	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY

CHANGE CODE	
PR	PRODUCT CHANGE
R	PLANT REQUEST
MP	MECHANICAL PROCESS CHANGE
CP	CONTROL PROCESS CHANGE
M	MECHANICAL DESIGN CHANGE
C	CONTROL DESIGN CHANGE
F	FLOOR AND BUILD CHANGE



GM - STANDARD

GM ENGINEER:  
HARDWARE  
TEAM

DESIGN SOURCE:

DESIGN LEADER:  
GREG  
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 400 AMP WELD POWER DISTRIBUTION PANEL  
(UU) 200 A, (VV) 100 A CIRCUITS  
SHEET DESCRIPTION: BOM CHANGE SHEET: ECS-5110-UU-VV-BOM (UU OPTION)

SYSTEM/TOOL NO:

DRAWING NUMBER:  
ECS-5110-UU-VV

RELEASE DATE:  
2020-03-31

REVISION

LETTER:

DATE:

SECTION

LETTER:

SHEET

NUMBER:

YB 1 OF 2

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STATUS: RELEASED

PROJECT NAME: ECS-5110-UU-VV\_RevB(2021-09-30)

SAVE DATE: 2021-09-30

EPLAN VERSION: 2.7.3

BOM NAME:  
ECS-5110-UU-VV-BOM (UU OPTION)

SOURCE  
LEGEND

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REF - PURCHASED BY OTHERS (NO SUBSTITUTION)  
  
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B4 - PURCHASE ITEM (NO SUBSTITUTION)

BOM REV	ITEM NUMBER	QUANTITY	PART DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	GCCL REFERENCE	COMMENTS
	11113	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (150-250A 3VA6) FRAME UL CIRCUIT BREAKERS	SIEMENS	3VA9143-0JA12	B3		MULTIPLY QUANTITIES BY UU
	11121	2	TERMINAL COVER 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA6 150/250 3VA5 250 PLUG-IN/DRAW-OUT BASE 3VA6 150/250	SIEMENS	3VA9271-0WD31	B3		MULTIPLY QUANTITIES BY UU
	11282	1	CIRCUIT BREAKER 3VA6 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION ETU350, LSI, IN=250A OVERLOAD PROTECTION IR=100A...250A SHORT-CIRCUIT PROTECTION ISD=1.5...10 X IR, II=10 X IN WITHOUT CONNECTION	SIEMENS	3VA6225-6HN31-0AA0	B3		MULTIPLY QUANTITIES BY UU
	11407	1	BREAKER 3VA ADAPTER FOR BUSBAR SYSTEM FOR 3VA52 AT 125A AND 3VA61 AT 125A AND 3VA62 AT 250A FOR 3 POLE BREAKERS FOR USE WITH 60 mm BUSBAR	SIEMENS	8US1213-4AP03	B3-N		MULTIPLY QUANTITIES BY UU

REV	ITEM NUMBER	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY

REV	ITEM NUMBER	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY

CHANGE CODE	
PR	PRODUCT CHANGE
R	PLANT REQUEST
MP	MECHANICAL PROCESS CHANGE
CP	CONTROL PROCESS CHANGE
M	MECHANICAL DESIGN CHANGE
C	CONTROL DESIGN CHANGE
F	FLOOR AND BUILD CHANGE



GM - STANDARD

GM ENGINEER:  
HARDWARE  
TEAM

DESIGN SOURCE:

DESIGN LEADER:  
GREG  
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 400 AMP WELD POWER DISTRIBUTION PANEL  
(UU) 200 A, (VV) 100 A CIRCUITS  
SHEET DESCRIPTION: BOM CHANGE SHEET: ECS-5110-UU-VV-BOM (VV OPTION)

SYSTEM/TOOL NO:

DRAWING NUMBER:  
ECS-5110-UU-VV

RELEASE DATE:  
2020-03-31

REVISION  
LETTER:

DATE:

SECTION  
LETTER:

SHEET  
NUMBER:

YC 1 OF 2

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STATUS: RELEASED

PROJECT NAME: ECS-5110-UU-VV\_RevB(2021-09-30)

SAVE DATE: 2021-09-30

EPLAN VERSION: 2.7.3

BOM NAME:  
ECS-5110-UU-VV-BOM (VV OPTION)

SOURCE  
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B4 - PURCHASE ITEM (NO SUBSTITUTION)

BOM REV	ITEM NUMBER	QUANTITY	PART DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	GCCL REFERENCE	COMMENTS
	11111	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (250A 3VA5) FRAME UL CIRCUIT BREAKERS.	SIEMENS	3VA9233-0JA11	B3		MULTIPLY QUANTITIES BY VV
	11121	2	TERMINAL COVER 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA6 150/250 3VA5 250 PLUG-IN/DRAW-OUT BASE 3VA6 150/250	SIEMENS	3VA9271-0WD31	B3		MULTIPLY QUANTITIES BY VV
	11367	1	CIRCUIT BREAKER 3VA5 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION TM210, FTFM, IN=100A OVERLOAD PROTECTION IR=100A FIXED SHORT-CIRCUIT PROTECTION II=10 X IN WITHOUT CONNECTION	SIEMENS	3VA5210-6ED31-0AA0	B3		MULTIPLY QUANTITIES BY VV
	11407	1	BREAKER 3VA ADAPTER FOR BUSBAR SYSTEM FOR 3VA52 AT 125A AND 3VA61 AT 125A AND 3VA62 AT 250A FOR 3 POLE BREAKERS FOR USE WITH 60 mm BUSBAR	SIEMENS	8US1213-4AP03	B3-N		MULTIPLY QUANTITIES BY VV

DEVICE LIST

DEVICE TAG	ITEM NUMBER	QTY	DESCRIPTION	MANUFACTURER PART NUMBER
E104DISC	11104	1	OPERATING UNIT WITH ROD VARIABLE DEPTH FLANGE MOUNTED OPERATOR KIT, 3 POLE: CONSISTING OF: HANDLE STEEL CHROME PLATED NEMA 4/4X BLACK=OFF, BLACK=ON SWITCHING MECHANISM MOUNTING DEPTH 8" TO 16" ACCESSORY FOR: 3VA5 400, 3VA5 600 3VA6 400, 3VA6 600, W/ ADAPTER PLATE	SIEMENS 3VA9478-0DK84
	11115	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 1/0AWG - 500KCMIL. FOR (400-600A 3VA6) FRAME UL CIRCUIT BREAKERS.	SIEMENS 3VA9473-0JA13
	11127	2	TERMINAL COVER EXTENDED 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA5/6 400/600 PLUG-IN/DRAW-OUT BASE 3VA5/6 400/600 -	SIEMENS 3VA9471-0WF31
	11135	1	BOX TERMINAL W. CONTROL WIRE TAP 3 PCSL ACCESSORY FOR 3VA5/6 400/600	SIEMENS 3VA9473-0JH13
	11283	1	CIRCUIT BREAKER 3VA6 UL FRAME 400 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION ETU350, LSI, IN=400A OVERLOAD PROTECTION IR=160A...400A SHORT-CIRCUIT PROTECTION ISD=1.5...10 X IR, II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA6340-6HN31-0AA0
E114AVT ABSENCE OF VOLTAGE TESTER	80040	1	VERISAFE ABSENCE OF VOLTAGE TESTER, 8' (2.4 m) SYSTEM CABLE, 10' (3.1 m) SENSOR LEADS	PANDUIT VS-AVT-C08-L10
	80041	0 A/R	FERRULE, NON-INSULATED, #14 AWG, 12 mm LENGTH, FOR AVT SENSOR LEAD	PANDUIT F80-12-M
	80042	1	LITHIUM BATTERY, 3.6 V, SIZE AA	TADIRAN TL-5903 XENO ENERGY XLP-060F
E152CB	11111	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (250A 3VA5) FRAME UL CIRCUIT BREAKERS.	SIEMENS 3VA9233-0JA11
	11113	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (150-250A 3VA6) FRAME UL CIRCUIT BREAKERS	SIEMENS 3VA9143-0JA12
	11121	2	TERMINAL COVER 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA6 150/250 3VA5 250 PLUG-IN/DRAW-OUT BASE 3VA6 150/250	SIEMENS 3VA9271-0WD31
	11282	1	CIRCUIT BREAKER 3VA6 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION ETU350, LSI, IN=250A OVERLOAD PROTECTION IR=100A...250A SHORT-CIRCUIT PROTECTION ISD=1.5...10 X IR, II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA6225-6HN31-0AA0
	11367	1	CIRCUIT BREAKER 3VA5 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION TM210, FTFM, IN=100A OVERLOAD PROTECTION IR=100A FIXED SHORT-CIRCUIT PROTECTION II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA5210-6ED31-0AA0
E1407	11407	1	BREAKER 3VA ADAPTER FOR BUSBAR SYSTEM FOR 3VA52 AT 125A AND 3VA61 AT 125A AND 3VA62 AT 250A FOR 3 POLE BREAKERS FOR USE WITH 60 mm BUSBAR	SIEMENS 8US1213-4AP03
E158CB	11111	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (250A 3VA5) FRAME UL CIRCUIT BREAKERS.	SIEMENS 3VA9233-0JA11
	11113	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (150-250A 3VA6) FRAME UL CIRCUIT BREAKERS	SIEMENS 3VA9143-0JA12
	11121	2	TERMINAL COVER 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA6 150/250 3VA5 250 PLUG-IN/DRAW-OUT BASE 3VA6 150/250	SIEMENS 3VA9271-0WD31

DEVICE TAG	ITEM NUMBER	QTY	DESCRIPTION	MANUFACTURER PART NUMBER
	11282	1	CIRCUIT BREAKER 3VA6 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION ETU350, LSI, IN=250A OVERLOAD PROTECTION IR=100A...250A SHORT-CIRCUIT PROTECTION ISD=1.5...10 X IR, II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA6225-6HN31-0AA0
	11367	1	CIRCUIT BREAKER 3VA5 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION TM210, FTFM, IN=100A OVERLOAD PROTECTION IR=100A FIXED SHORT-CIRCUIT PROTECTION II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA5210-6ED31-0AA0
	11407	1	BREAKER 3VA ADAPTER FOR BUSBAR SYSTEM FOR 3VA52 AT 125A AND 3VA61 AT 125A AND 3VA62 AT 250A FOR 3 POLE BREAKERS FOR USE WITH 60 mm BUSBAR	SIEMENS 8US1213-4AP03
E164CB	11111	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (250A 3VA5) FRAME UL CIRCUIT BREAKERS.	SIEMENS 3VA9233-0JA11
	11113	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (150-250A 3VA6) FRAME UL CIRCUIT BREAKERS	SIEMENS 3VA9143-0JA12
	11121	2	TERMINAL COVER 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA6 150/250 3VA5 250 PLUG-IN/DRAW-OUT BASE 3VA6 150/250	SIEMENS 3VA9271-0WD31
	11282	1	CIRCUIT BREAKER 3VA6 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION ETU350, LSI, IN=250A OVERLOAD PROTECTION IR=100A...250A SHORT-CIRCUIT PROTECTION ISD=1.5...10 X IR, II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA6225-6HN31-0AA0
11367	11367	1	CIRCUIT BREAKER 3VA5 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION TM210, FTFM, IN=100A OVERLOAD PROTECTION IR=100A FIXED SHORT-CIRCUIT PROTECTION II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA5210-6ED31-0AA0
	11407	1	BREAKER 3VA ADAPTER FOR BUSBAR SYSTEM FOR 3VA52 AT 125A AND 3VA61 AT 125A AND 3VA62 AT 250A FOR 3 POLE BREAKERS FOR USE WITH 60 mm BUSBAR	SIEMENS 8US1213-4AP03
E170CB	11111	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (250A 3VA5) FRAME UL CIRCUIT BREAKERS.	SIEMENS 3VA9233-0JA11
	11113	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (150-250A 3VA6) FRAME UL CIRCUIT BREAKERS	SIEMENS 3VA9143-0JA12
	11121	2	TERMINAL COVER 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA6 150/250 3VA5 250 PLUG-IN/DRAW-OUT BASE 3VA6 150/250	SIEMENS 3VA9271-0WD31
	11282	1	CIRCUIT BREAKER 3VA6 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION ETU350, LSI, IN=250A OVERLOAD PROTECTION IR=100A...250A SHORT-CIRCUIT PROTECTION ISD=1.5...10 X IR, II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA6225-6HN31-0AA0
	11367	1	CIRCUIT BREAKER 3VA5 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION TM210, FTFM, IN=100A OVERLOAD PROTECTION IR=100A FIXED SHORT-CIRCUIT PROTECTION II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA5210-6ED31-0AA0
11407	11407	1	BREAKER 3VA ADAPTER FOR BUSBAR SYSTEM FOR 3VA52 AT 125A AND 3VA61 AT 125A AND 3VA62 AT 250A FOR 3 POLE BREAKERS FOR USE WITH 60 mm BUSBAR	SIEMENS 8US1213-4AP03
E176CB	11111	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (250A 3VA5) FRAME UL CIRCUIT BREAKERS.	SIEMENS 3VA9233-0JA11

DEVICE LIST

DEVICE TAG	ITEM NUMBER	QTY	DESCRIPTION	MANUFACTURER PART NUMBER
E176CB	11113	1	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 10 - 3/0 AWG. FOR (150-250A 3VA6) FRAME UL CIRCUIT BREAKERS	SIEMENS 3VA9143-0JA12
	11121	2	TERMINAL COVER 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA6 150/250 3VA5 250 PLUG-IN/DRAW-OUT BASE 3VA6 150/250	SIEMENS 3VA9271-0WD31
	11282	1	CIRCUIT BREAKER 3VA6 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION ETU350, LSI, IN=250A OVERLOAD PROTECTION IR=100A...250A SHORT-CIRCUIT PROTECTION ISD=1.5...10 X IR, II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA6225-6HN31-0AA0
	11367	1	CIRCUIT BREAKER 3VA5 UL FRAME 250 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION TM210, FTFM, IN=100A OVERLOAD PROTECTION IR=100A FIXED SHORT-CIRCUIT PROTECTION II=10 X IN WITHOUT CONNECTION	SIEMENS 3VA5210-6ED31-0AA0
	11407	1	BREAKER 3VA ADAPTER FOR BUSBAR SYSTEM FOR 3VA52 AT 125A AND 3VA61 AT 125A AND 3VA62 AT 250A FOR 3 POLE BREAKERS FOR USE WITH 60 mm BUSBAR	SIEMENS 8US1213-4AP03
PDP	11418	2	COVER, END, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR BUSBAR ENDS ON HOLDER 8US1923, 3-POLE	SIEMENS 8US1922-1AC00
	11419	0 A/R	COVER, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR BUSBAR PROFILE, LENGTH 1000 mm, WIDTH 30 mm, THICKNESS 10 mm	SIEMENS 8US1922-2BA00
	11420	0 A/R	BUSBAR ACCESSORY, 60 mm FAST BUS BUSBAR SYSTEM, DISTANCE 60 mm BASE LENGTH 1100 mm INCREASED CLEARANCE DISTANCES INCREASED CREEPAGE DISTANCES ACC. UL508A ACCORDING TO UL508	SIEMENS 8US1922-2UA01
	11422	3	BUSBAR SYSTEM, ACCESSORY BUSBAR DISTANCE 60 mm BUSBAR SUPPORT FOR 12X5 (10)-30X5 (10) PROFILES INSIDE FIXING WITH INC. CLEARANCE DISTANCES WITH INC. CREEPAGE DISTANCES ACCORDING TO UL508	SIEMENS 8US1923-3UA01
	11425	1	COVER, BUSBAR SYSTEM, BUSBAR CENTER-TO-CENTER CLEARANCE 60 mm, FOR USE WITH 8US1941-2AA03 & 8US1941-2AA04	SIEMENS 8US1922-1GC00
	11427	1	CONNECTION TERMINAL SET, 3-POLE ROUND CABLE 95 ... 300 mm² AWG BUSBAR CENTER-TO-CENTER SPACING 60 mm IEC/UL 508A *** COVER 8US1922-1GC00 TO BE ORDERED SEPARATELY ***	SIEMENS 8US1941-2AA03
	12712	2	BLOCK, TERMINAL, END ANCHORS - DIN RAIL, EW 35, BEIGE	WEIDMULLER 0383560000
	75120	0 A/R	STANDARD MOUNTING RAIL 35X27X15,1.5mm THICK, 2 METERS LONG	PHOENIX 0806602
	75600	42	HOLE PLUG, 22.5mm DIAMETER	SIEMENS 3SU1900-0FA11-0AA0
	75805	0 A/R	TAGS, PANEL, STICK ON OR LAMICOID, MINIMUM FONT SIZE - 5mm (20PT)	CUSTOM GENERIC TAG - PANEL
	80077	0 A/R	COPPER RAIL, TIN PLATED, 30x10x2400	CUSTOM 30X10X2400
	80098	1	ENCLOSURE BUILT TO LATEST GCCB-1 AND GCCH-1 SPECIFICATIONS, 1500 mm H X 800 mm W X 400 mm D, RAL 7035 GRAY, 50 mm MOUNTING ANGLES, SUBPLATE, 1397 mm H X 669 mm W, 12 GAUGE MIN, GALVANIZED	HOFFMANN OR EQUIVALENT X2727
1 PE BAR	11080	2	BUSBAR SYSTEM, ACCESSORIES BUSBAR CENTER-TO-CENTER SPACING 60 mm N/PE BUSBAR HOLDER FOR BUSBARS 12X 5 (10)-30X 5 (10) AND 6X 6 mm, FREE-STANDING INSTALLATION OR ATTACHMENT TO 8US1923-2AA01	SIEMENS 8US1923-1AA01
	81430	0 A/R	COPPER RAIL, TIN PLATED, 30x5x2400	CUSTOM 30X5X2400
	11415	2	TERMINAL, BUSBAR ADAPTER, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR 5 mm BUSBAR THICKNESS 1,5-16 mm²	SIEMENS 8US1921-2AA00

DEVICE TAG	ITEM NUMBER	QTY	DESCRIPTION	MANUFACTURER PART NUMBER
	11417	10	TERMINAL, BUSBAR ADAPTER, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR 5 mm BUSBAR THICKNESS 16-70 mm²	SIEMENS 8US1921-2AD00
	80061	1	TERMINAL, BUSBAR ADAPTER, 60 mm FAST BUS BUSBAR ADAPTER SYSTEM, FOR 5 mm BUSBAR THICKNESS 16-120 mm²	SIEMENS 8US1921-2AC00
2 PE LUG	12726	1	BLOCK, TERMINAL, WPE 70N/35, PE, 70mm², GREEN-YELLOW	WEIDMULLER 9512200000
3 PE LUG	12726	1	BLOCK, TERMINAL, WPE 70N/35, PE, 70mm², GREEN-YELLOW	WEIDMULLER 9512200000