

5KVA REMOTE POWER PANEL
380-500VAC/120VAC

ECS-4336-<sup>XFMR
TYPE</sup>TT


APPLICATION NOTES:

- 1. TT IS THE TRANSFORMER TYPE
(TT=11 FOR 380/400/415V) (A)(F)
(TT=12 FOR 440/460/480V)
- 2. EXAMPLE PART NUMBER: ECS-4336-12 (THIS ECS WOULD
HAVE THE 440/460/480V TRANSFORMER OPTION)

(B)(C)(D)(F)(G)(H)

LAST PART SELECTED WITH: GM_ePartsDB_202106

DRAWING PACKAGE REVISION LEVEL: H

	GM - STANDARD	GM ENGINEER:	DESIGN SOURCE:	DESIGN LEADER:	PROGRAMS:	PACKAGE	5KVA REMOTE POWER PANEL	SYSTEM/TOOL NO:	RELEASE DATE:	REVISION LETTER:	SECTION LETTER:	SHEET NUMBER:
		HARDWARE TEAM		GREG DOPPKE		DESCRIPTION:	380-500VAC/120VAC					
THIS MATERIAL IS THE PROPERTY OF GENERAL MOTORS CORPORATION. NO RIGHTS ARE GRANTED TO USE SUCH MATERIAL FOR ANY PURPOSE OTHER THAN THE FURNISHING OF SERVICES AND SUPPLIES.						SHEET DESCRIPTION:	TITLE AND REFERENCE SHEET	DRAWING NUMBER:		DATE:	A	1 OF 3
								ECS-4336-TT		2021-09-23		

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STATUS: RELEASED

PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)

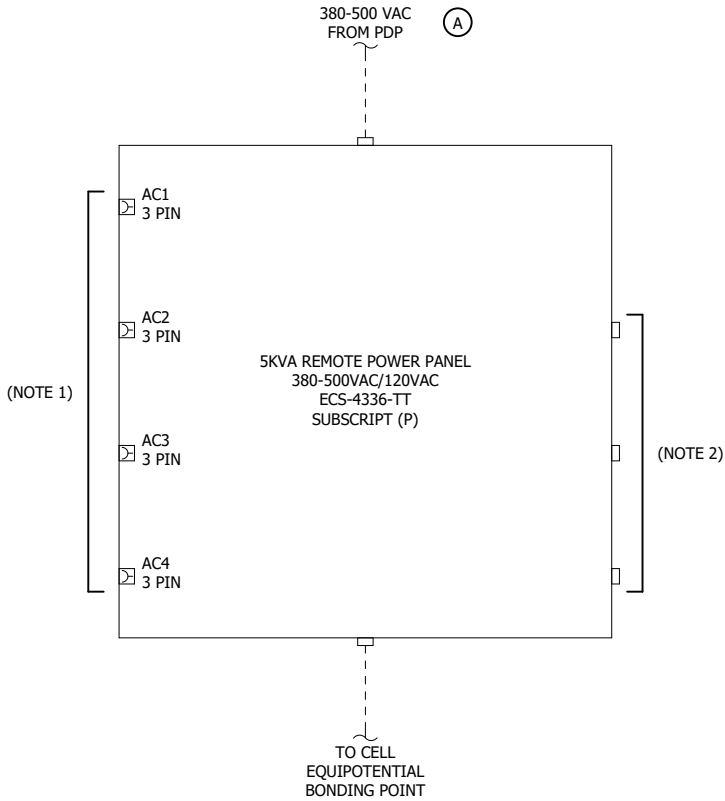
SAVE DATE: 2021-09-23


EPLAN VERSION: 2.7.3

SECTION		REV	SHEET	DESCRIPTION
A	REFERENCE	H	1	TITLE AND REFERENCE SHEET
		H	2	TABLE OF CONTENTS
		H	3	REVISION SUMMARY SHEET
C	INTERCONNECT	A	1	CABLE INTERCONNECTION DIAGRAM
E	MAGNETICS	D	1	380 - 500 VAC POWER DISTRIBUTION
		G	2	120 VAC POWER DISTRIBUTION
X	ENCLOSURE	H	1	ENCLOSURE LAYOUT - FRONT AND SIDE
			2	ENCLOSURE LAYOUT - TOP AND BOTTOM
		H	3	TAG DETAILS
		F	4	SUBPLATE DETAIL
		H	5	SUBPLATE LAYOUT
			6	RECEPTACLE PIN CHART
		F	7	ENCLOSURE FOOTPRINT
YA	BILL OF MATERIAL	G	1	BOM CHANGE SHEET: ECS-4336-TT-BOM (BASE)
		G	2	ECS-4336-TT-BOM (BASE)
		G	3	ECS-4336-TT-BOM (BASE)
YB	VARIABLE BOM	F	1	BOM CHANGE SHEET: ECS-4336-TT-BOM (TT OPTION)
		F	2	ECS-4336-TT-BOM (TT OPTION)
YZ	DEVICE LIST	G	1	DEVICE LIST

SECTION	REV	SHEET	DESCRIPTION
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- NOTES:
- 1. USE AC* FOR 120 VAC LOADS.
 - 2. THERE ARE THREE CIRCUITS (E252CB - E260CB) AVAILABLE FOR HARDWIRED 120 VAC LOADS.
 - 3. COVERS ARE REQUIRED FOR UNUSED RECEPTACLES. THESE COVERS ARE NOT INCLUDED WITH THIS PANEL.



	GM - STANDARD	GM ENGINEER:	DESIGN SOURCE:	DESIGN LEADER:	PROGRAMS:	PACKAGE DESCRIPTION:	SYSTEM/TOOL NO:	RELEASE DATE:	REVISION LETTER:	SECTION LETTER:	SHEET NUMBER:	
		HARDWARE TEAM		GREG DOPPKE		5KVA REMOTE POWER PANEL 380-500VAC/120VAC			A	C	1 OF 1	
		SHEET DESCRIPTION:						DRAWING NUMBER:	DATE:			
								ECS-4336-TT	2015-05-05			

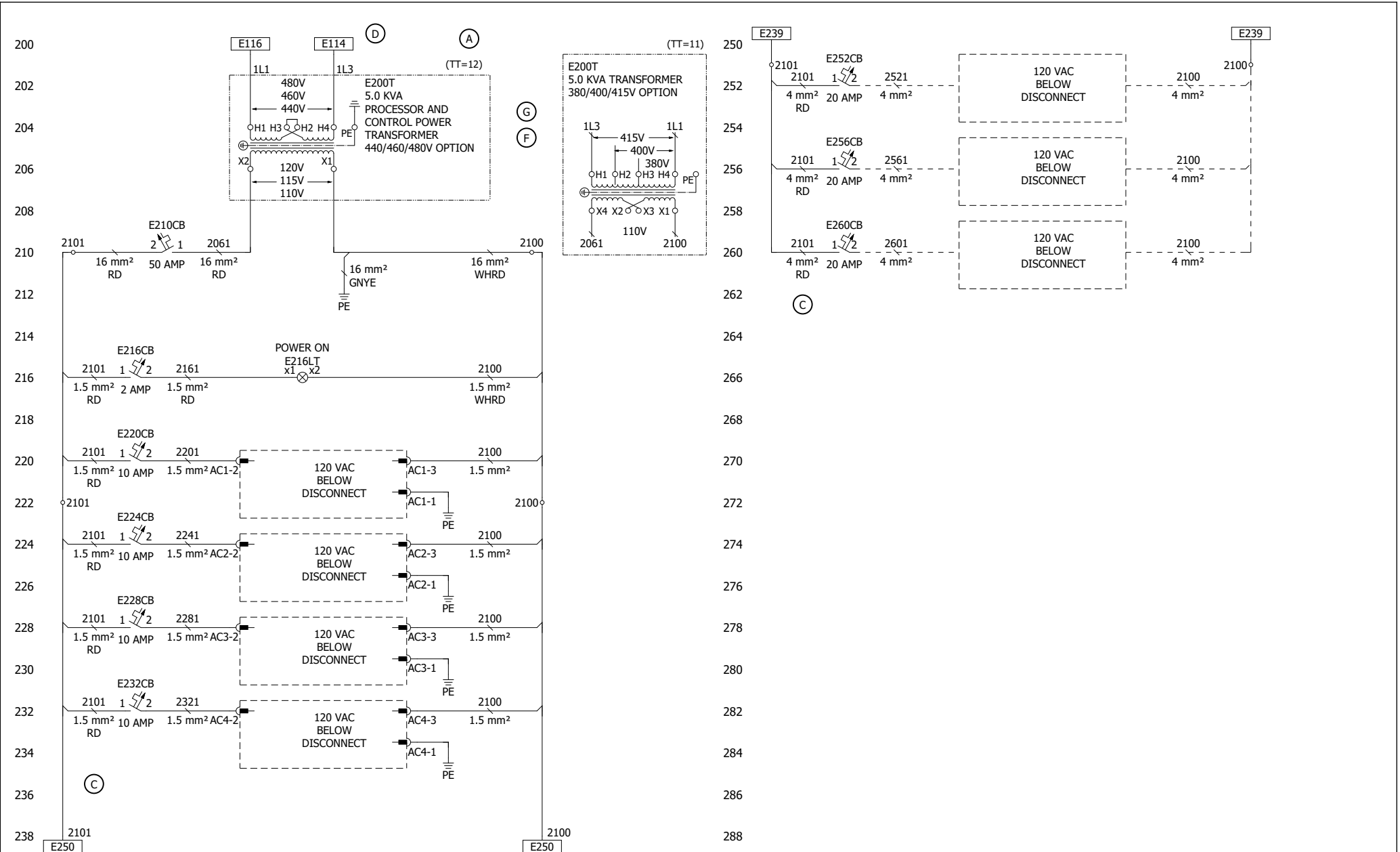
STATUS: RELEASED


PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)

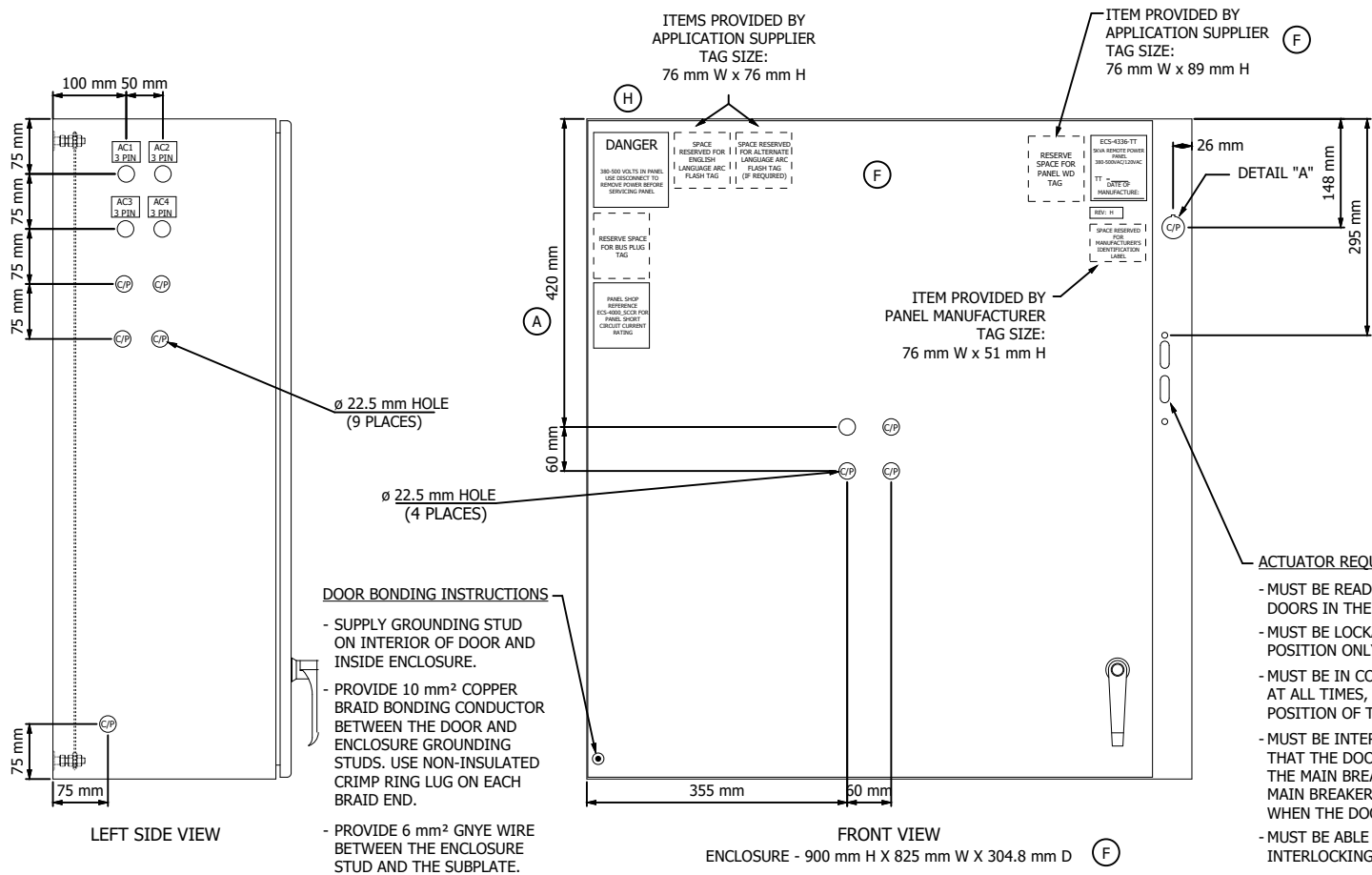
SAVE DATE: 2021-09-15

EPLAN VERSION: 2.7.3

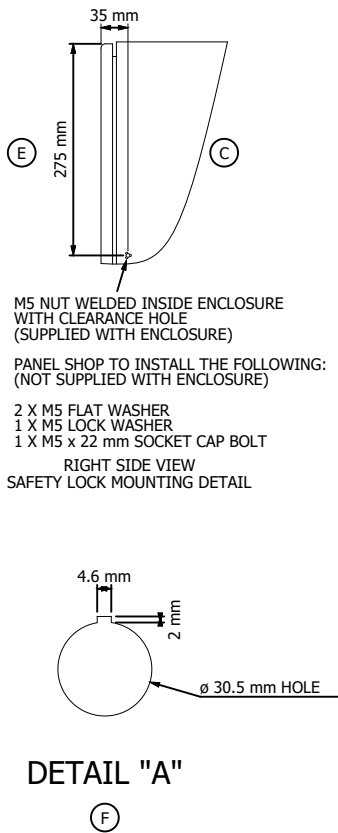




	GM - STANDARD	GM ENGINEER: HARDWARE TEAM	DESIGN SOURCE:	DESIGN LEADER: GREG DOPPKE	PROGRAMS:	PACKAGE DESCRIPTION: 5KVA REMOTE POWER PANEL 380-500VAC/120VAC	SYSTEM/TOOL NO:	RELEASE DATE:	REVISION LETTER: G	SECTION LETTER: E	SHEET NUMBER: 2 OF 2
						SHEET DESCRIPTION: 120 VAC POWER DISTRIBUTION	DRAWING NUMBER: ECS-4336-TT		DATE: 2020-12-17		



- 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.

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

KEY POSITION OF
RECEPTACLE TYPICAL
FOR ALL



GM - STANDARD

GM ENGINEER:
HARDWARE
TEAM

DESIGN SOURCE:

DESIGN LEADER:
GREG
DOPPKKE

PROGRAMS:

PACKAGE DESCRIPTION: 5KVA REMOTE POWER PANEL
380-500VAC/120VAC
SHEET DESCRIPTION: ENCLOSURE LAYOUT - FRONT AND SIDE

SYSTEM/TOOL NO:

RELEASE DATE:

REVISION LETTER: H

DATE: 2021-09-23

SECTION LETTER: X

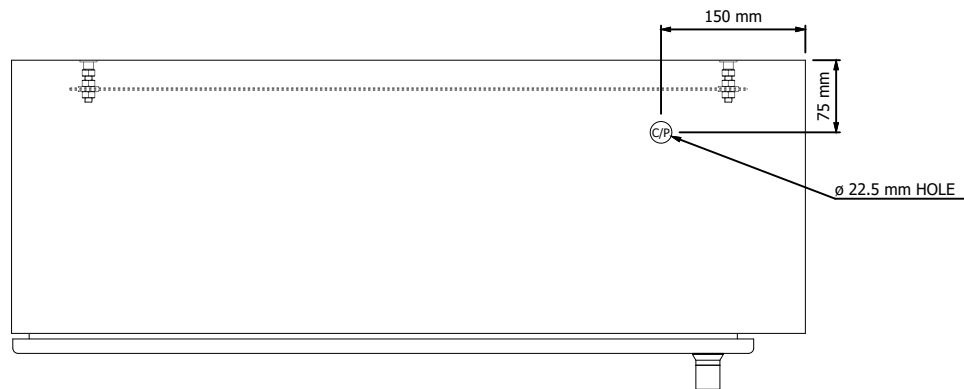
SHEET NUMBER: 1 OF 7

STATUS: RELEASED

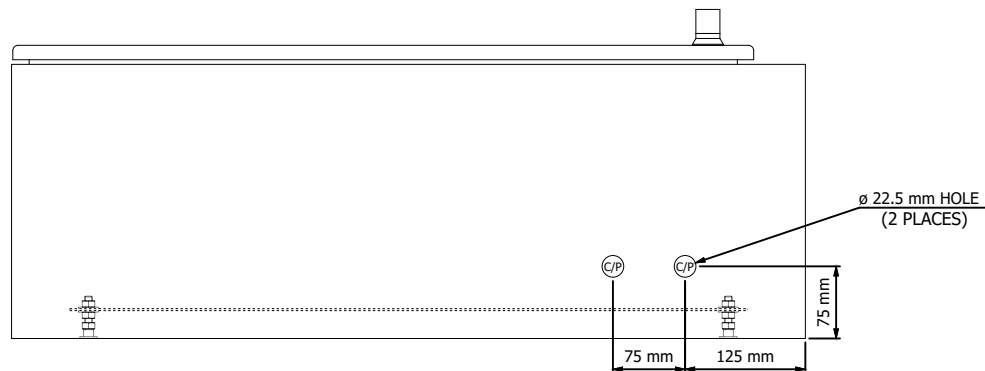
PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)

SAVE DATE: 2021-09-23

EPLAN VERSION: 2.7.3



TOP VIEW



BOTTOM VIEW

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

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



KEY POSITION OF
RECEPTACLE TYPICAL
FOR ALL



GM - STANDARD

GM ENGINEER:
HARDWARE
TEAM

DESIGN SOURCE:

DESIGN LEADER:
GREG
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 5KVA REMOTE POWER PANEL
380-500VAC/120VAC
SHEET DESCRIPTION: ENCLOSURE LAYOUT - TOP AND BOTTOM

SYSTEM/TOOL NO:

RELEASE DATE:

REVISION
LETTER:

DATE:

SECTION
LETTER:

SHEET
NUMBER:

X **2** OF **7**

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PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)

SAVE DATE: 2020-03-05

EPLAN VERSION: 2.7.3

DANGER

380-500 VOLTS IN PANEL
USE DISCONNECT TO
REMOVE POWER BEFORE
SERVICING PANEL

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

(H)

TAG SIZE:
45 mm W x 15 mm H

REV: H

TAG SIZE:
76 mm W x 89 mm H

ECS-4336-TT
5KVA REMOTE POWER
PANEL
380-500VAC/120VAC

TT = _____
DATE OF MANUFACTURE:

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

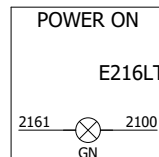
(C)

RESERVE
SPACE FOR
BUS PLUG TAG

TAG SIZE:
76 mm W x 89 mm H

TAG SIZE:
76 mm W x 89 mm H

RESERVE
SPACE FOR
PANEL WD
TAG



C/P

PANEL SHOP
REFERENCE
ECS-4000_SCCR
FOR PANEL
SHORT CIRCUIT
CURRENT
RATING

TAG SIZE:
76 mm W x 89 mm H

(A)

C/P

C/P

TAG SIZE:
76 mm W x 38 mm H
(NOTE 3)

(A)

INPUT: 380-500 3Ø(50/60Hz) 13.1A	
-	-
OUTPUT: 120 VAC	41.7A
-	-
-	-

- 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.
 3. PROVIDE POWER TAG ON THE FRONT OF ENCLOSURE OR ON THE INSIDE OF THE DOOR. MANUFACTURER SPECIFIC TAGGING WITH EQUIVALENT INFORMATION IS ALLOWED.



GM - STANDARD

GM ENGINEER:
HARDWARE
TEAM

DESIGN SOURCE:

DESIGN LEADER:
GREG
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 5KVA REMOTE POWER PANEL
380-500VAC/120VAC

SHEET DESCRIPTION: TAG DETAILS

SYSTEM/TOOL NO:

RELEASE DATE:

REVISION
LETTER: H
DATE:
2021-09-23

SECTION
LETTER: X

SHEET
NUMBER:
3 OF 7

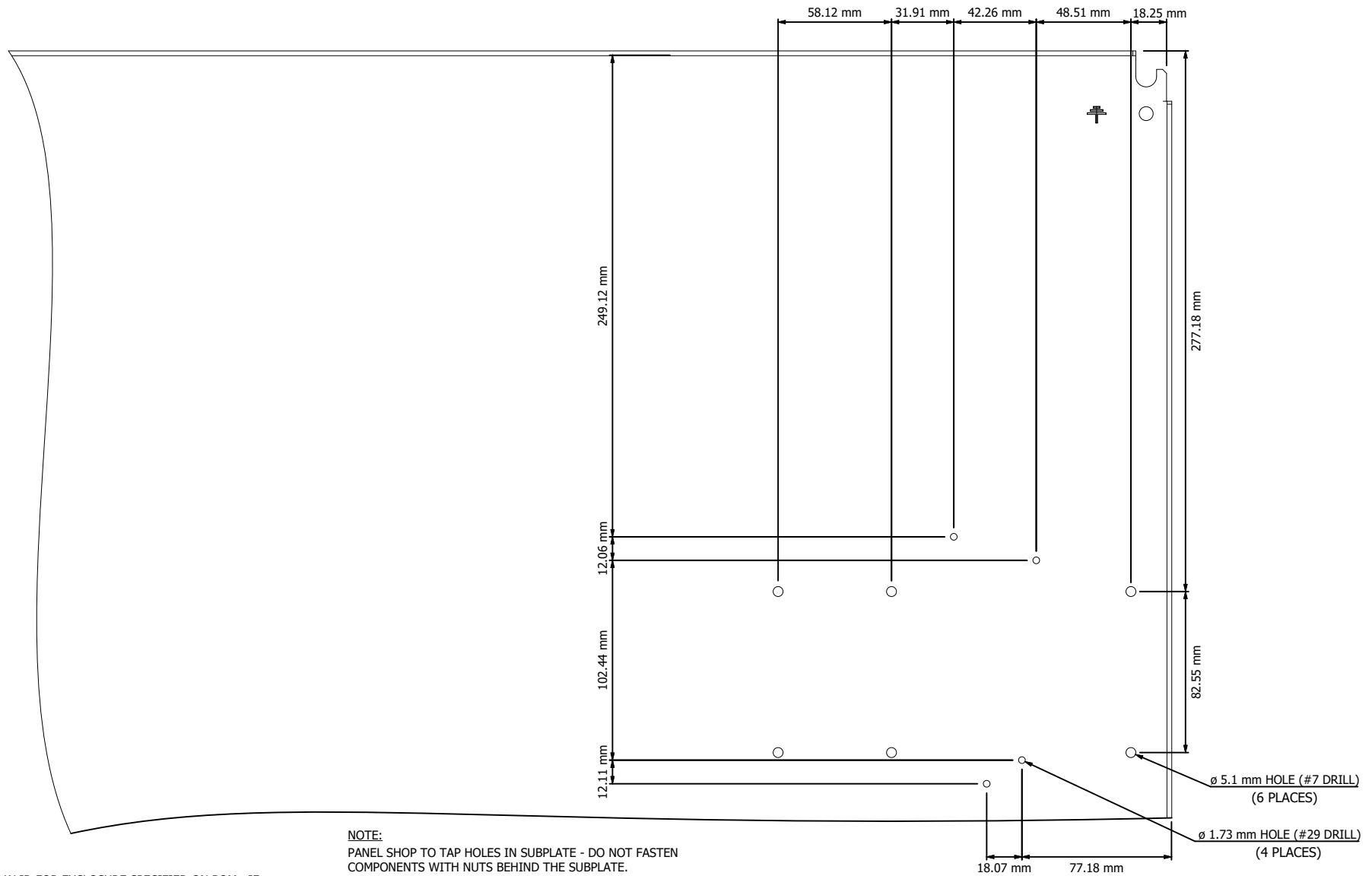
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CIRCUIT BREAKER AND DISCONNECT MECHANISM MOUNTING DETAIL

(F) (C)

GM - STANDARD	GM ENGINEER: HARDWARE TEAM	DESIGN SOURCE:	DESIGN LEADER: GREG DOPPKE	PROGRAMS:	PACKAGE DESCRIPTION: 5KVA REMOTE POWER PANEL 380-500VAC/120VAC	SYSTEM/TOOL NO:	RELEASE DATE:	REVISION LETTER: F DATE: 2020-03-18	SECTION LETTER: X	SHEET NUMBER: 4 OF 7
					SHEET DESCRIPTION: SUBPLATE DETAIL	DRAWING NUMBER: ECS-4336-TT				

STATUS: RELEASED

PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)

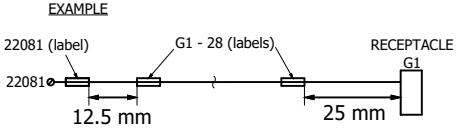
SAVE DATE: 2020-03-18

EPLAN VERSION: 2.7.3

MINI CONNECTOR
FEMALE - FACEVIEW

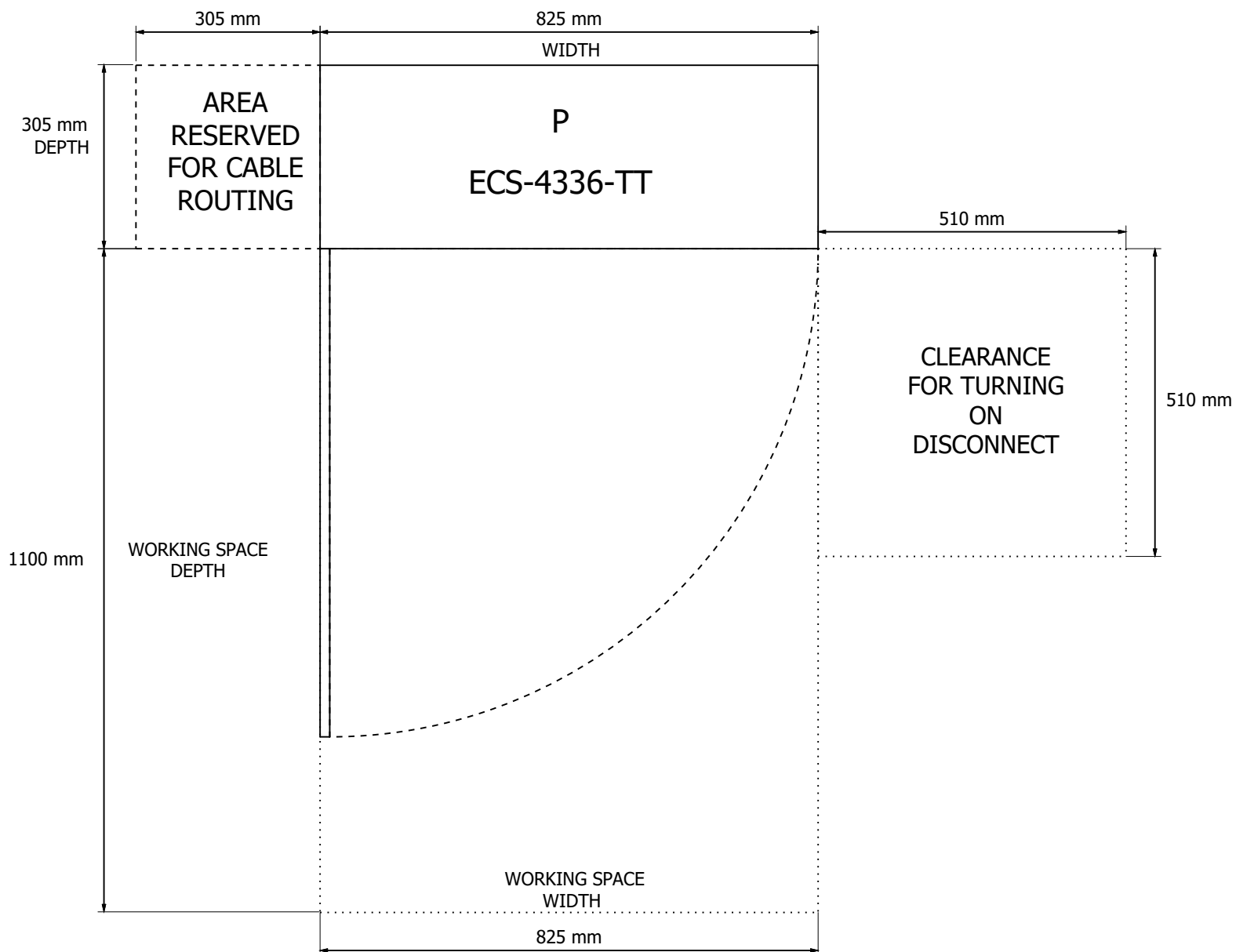
PIN	FUNCTION	COLOR
1	GROUND	GNYE
2	POWER	BK
3	NEUTRAL	WH

THE RECEPTACLE WIRES SHALL HAVE
THE RECEPTACLE NUMBER AND PIN
NUMBER LABELED ON BOTH ENDS.



NOTE:
ALL UNUSED RECEPTACLE
WIRES SHOULD HAVE ENDS
PROTECTED WITH TAPE TO
PREVENT UNINTENTIONAL
SHORTING.
ALL WIRES ARE TO BE
BLUE (BU) UNLESS
OTHERWISE SPECIFIED
(MINI AND MICRO RECEPTACLE
WIRE COLORS TO BE IN
COMPLIANCE WITH THE
ASSOCIATED IEC OR ANSI
STANDARD).

WIRE COLOR	ABBREV
BLACK	BK
BROWN	BN
RED	RD
ORANGE	OG
YELLOW	YE
GREEN	GN
BLUE	BU
VIOLET	VT
GRAY	GY
WHITE	WH
PINK	PK
GOLD	GD
TURQUOISE	TQ
SILVER	SR
GREEN WITH YELLOW TRACER	GNYE
BLACK WITH ORANGE TRACER	BKOG
BLUE WITH ORANGE TRACER	BUOG
WHITE WITH RED TRACER	WHRD
WHITE WITH ORANGE TRACER	WHOG
WHITE WITH BLUE TRACER	WHBU



GM - STANDARD	GM ENGINEER: HARDWARE TEAM	DESIGN SOURCE:	DESIGN LEADER: GREG DOPPKE	PROGRAMS:	PACKAGE DESCRIPTION: 5KVA REMOTE POWER PANEL 380-500VAC/120VAC	SYSTEM/TOOL NO:	RELEASE DATE:	REVISION LETTER: F DATE: 2020-03-18	SECTION LETTER: X	SHEET NUMBER: 7 OF 7
					SHEET DESCRIPTION: ENCLOSURE FOOTPRINT	DRAWING NUMBER: ECS-4336-TT				

STATUS: RELEASED

PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)

SAVE DATE: 2020-03-18

EPLAN VERSION: 2.7.3

REV	ITEM NUMBER	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY
B	ALL	UPDATED PURCHASE CODES.	2016-03-22	C	BJ
	75803	PART NUMBER CHANGED FROM ESSW1-050 TO 60202 5-1768031-0.			
	80257	ADDED ITEM.			
	80258	ADDED ITEM.			
	80270	ADDED ITEM.			
	80272	ADDED ITEM.			
	80004	REMOVED ITEM. QTY WAS 13.			
	80006	REMOVED ITEM. QTY WAS 3.			
	80007	REMOVED ITEM. QTY WAS 0.			
	80008	REMOVED ITEM. QTY WAS 2.			
C	11074	CHANGED QTY FROM 1 TO 2.	2017-02-22	C	GRD
	12630	ADDED ITEM.			
	12654	ADDED ITEM.			
	12504	ADDED ITEM.			
	80002	PART NUMBER CHANGED FROM 8017.580 G7944 TO G7944.			
	11070	REMOVED ITEM. QTY WAS 1.			
D	11100	PART NUMBER CHANGED FROM 3VL9300-3JS51 TO 3VL9300-3JS71.	2017-05-17	C	BJ
	75130	CHANGED QTY FROM 4 TO 1.			
F	11102	ADDED ITEM.	2020-03-18	C	DB
	11110	ADDED ITEM.			
	11120	ADDED ITEM.			
	11232	ADDED ITEM.			
	12730	ADDED ITEM.			
	11350	ADDED ITEM.			
	12731	ADDED ITEM.			
	12732	ADDED ITEM.			
	12734	ADDED ITEM.			
	12739	ADDED ITEM.			
	75120	PART NUMBER CHANGED FROM 800938 TO 0806602.			
	80010	ADDED ITEM.			
	11074	REMOVED ITEM. QTY WAS 2.			
	11090	REMOVED ITEM. QTY WAS 2.			
	11100	REMOVED ITEM. QTY WAS 1.			
	11330	REMOVED ITEM. QTY WAS 1.			
	75803	REMOVED ITEM. QTY WAS 1.			

REV	ITEM NUMBER	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY
F	80005	REMOVED ITEM. QTY WAS 1.	2020-03-18	C	DB
	80011	REMOVED ITEM. QTY WAS 1.			
	80257	REMOVED ITEM. QTY WAS 3.			
	80258	REMOVED ITEM. QTY WAS 2.			
	80270	REMOVED ITEM. QTY WAS 13.			
	80272	REMOVED ITEM. QTY WAS 0.			
G	75130	PART NUMBER CHANGED FROM SZ 2508.010 TO 2508010.	2020-12-17	C	GRD
	75150	PART NUMBER CHANGED FROM SZ 2412.210 TO 2412210.			
	75600	PART NUMBER CHANGED FROM 3SB3921-0AA TO 3SU1900-0FA11-0AA0.			

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

BOM NAME:
ECS-4336-TT-BOM (BASE)

SOURCE
LEGEND

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

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)

NOTE: 'N' SUFFIX ON SOURCE CODE DENOTES AN ITEM THAT IS NOT REQUIRED TO BE STOCKED AS SPARE BY THE PLANT.

BOM REV	ITEM NUMBER	QUANTITY	PART DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	GCCL REFERENCE	COMMENTS
	11102	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 125, W/ ADAPTER PLATE	SIEMENS	3VA9138-ODK84	B3		
	11110	2	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 14 - 3/0 AWG. FOR (125A 3VA5) FRAME UL CIRCUIT BREAKERS.	SIEMENS	3VA9133-0JA11	B3		
	11120	2	TERMINAL COVER 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA4/5 125 -	SIEMENS	3VA9131-0WD31	B3		
	11218	1	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 2 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS	5SJ4102-7HG40	B2		
	11225	4	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 10 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS	5SJ4110-7HG40	B2		
	11227	3	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 20 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS	5SJ4120-7HG40	B2		
	11232	1	MINIATURE CIRCUIT BREAKER 240 V 10KA, 1-POLE, C, 50 A, D=70 mm ACCORDING TO UL 489, EQUAL POLARITY	SIEMENS	5SJ4150-7HG40	B2		
	11350	1	CIRCUIT BREAKER 3VA5 UL FRAME 125 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION TM210, FTFM, IN=20A OVERLOAD PROTECTION IR=20A FIXED SHORT-CIRCUIT PROTECTION II=15 X IN WITHOUT CONNECTION	SIEMENS	3VA5120-6ED31-0AA0	B3		
	12504	1	INDICATOR LIGHT, 22 mm, ROUND, METAL, SHINY, GREEN, SMOOTH LENS	SIEMENS	3SU1051-6AA40-0AA0	B3		
	12630	1	HOLDER FOR 3 MODULES, METAL	SIEMENS	3SU1550-0AA10-0AA0	B3		
	12654	1	LED MODULE WITH INTEGRATED LED, 24-240V AC/DC, GREEN, SPRING-TYPE TERMINAL, FOR FRONT PLATE MOUNTING	SIEMENS	3SU1401-1BH40-3AA0	B3		
	12703	0 A/R	BLOCK, TERMINAL, MARKING TAG, WS 12/5, 12 X 5 mm, FOR ZDU 2.5-2/3AN 1706010000	WEIDMULLER	1609860000	B2-N		
	12712	4	BLOCK, TERMINAL, END ANCHORS - DIN RAIL, EW 35, BEIGE	WEIDMULLER	0383560000	B2-N		
	12730	13	BLOCK, TERMINAL, SPRING CLAMP, 600 V, ZDU 10/3AN, 60 A UL, 16 - 6 AWG, 1.5 - 16 mm², FINGER SAFE, 3 POLE SINGLE CIRCUIT, 10 mm, BEIGE	WEIDMULLER	1767690000	B2-N		
	12731	2	BLOCK, TERMINAL, END BARRIER, FOR ZDU 10/3AN 1767690000 AND ZDU 16/3AN 1768320000, BEIGE	WEIDMULLER	1749580000	B2-N		
	12732	0 A/R	BLOCK, TERMINAL, JUMPERS, 2 POLE, ZQV 10/2, TOP MOUNT, FOR ZDU 10/3AN 1767690000	WEIDMULLER	1739680000	B2-N		
	12734	3	BLOCK, TERMINAL, SPRING CLAMP, GROUND, 600 V, ZPE 10/3AN, 16- 6 AWG, 1.5 - 16 mm², FINGER SAFE, 3 POLE SINGLE CIRCUIT, 10 mm, GREEN-YELLOW	WEIDMULLER	1767670000	B2-N		
	12739	1	BLOCK, TERMINAL, SPRING CLAMP, GROUND, 600 V, ZPE 16/3AN, 14- 4 AWG, 1.5 - 25 mm², FINGER SAFE, 3 POLE SINGLE CIRCUIT, 12 mm, GREEN-YELLOW	WEIDMULLER	1768310000	B2-N		
	15742	4	CORD, RECEPTACLE, MINI 3 PIN, FEMALE-INTERNAL THREADS, 2 METER (6.56 FT) PIGTAIL - 1/2 INCH NPT, AC C.C., 16 AWG, 600V, 13A	WOODHEAD - MOLEX	1R3000A20M020	B2		
	15875	0 A/R	3/8 INCH - NPT GASKET SEAL FOR MINI RECEPTACLE	WOODHEAD - MOLEX	00-5090	B1-N		
	15876	0 A/R	LOCKING NUT FOR MINI RECEPTACLE	WOODHEAD - MOLEX	30-1100	B1-N		
	75106	0 A/R	DUCT,50 mm W X 75 mm H, WITH COVER	TEHALIT	DNG75050	B1-N		
	75120	0 A/R	STANDARD MOUNTING RAIL 35X27X15,1.5mm THICK, 2 METERS LONG	PHOENIX	0806602	B1-N		
	75130	1	WALL MOUNTING BRACKET FOR KL, EB, BT, AE, CM, WALL-MOUNTED HOUSING EL, TP TOP PIECES AND SMALL FIBER OPTIC DISTRIBUTORS, 10 mm WALL DISTANCE, PACKAGE CONTAINS (4) BRACKETS	RITTAL OR EQUIVALENT	2508010	B1-N		
	75150	1	GROUNDING STRAP, COPPER BRAID 10 mm² X 200 mm LONG WITH 6 mm HOLES, FOR BONDING OF ENCLOSURES	RITTAL OR EQUIVALENT	2412210	B1-N		



GM - STANDARD

GM ENGINEER:
HARDWARE
TEAM

DESIGN SOURCE:

DESIGN LEADER:
GREG
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 5KVA REMOTE POWER PANEL
380-500VAC/120VAC
SHEET DESCRIPTION: ECS-4336-TT-BOM (BASE)

SYSTEM/TOOL NO:

DRAWING NUMBER:
ECS-4336-TT

RELEASE DATE:

REVISION
LETTER: G
DATE:
2020-12-17

SECTION
LETTER:

YA

SHEET
NUMBER:

2 OF 3

STATUS: RELEASED

PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)

SAVE DATE: 2021-09-23

EPLAN VERSION: 2.7.3

BOM NAME:
ECS-4336-TT-BOM (BASE)

SOURCE
LEGEND

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

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)

NOTE: 'N' SUFFIX ON SOURCE CODE DENOTES AN ITEM THAT IS NOT REQUIRED TO BE STOCKED AS SPARE BY THE PLANT.

BOM REV	ITEM NUMBER	QUANTITY	PART DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	GCCL REFERENCE	COMMENTS
	75600	11	HOLE PLUG, 22.5mm DIAMETER	SIEMENS	3SU1900-0FA11-0AA0	B1-N		
	75804	0 A/R	TAGS, FOR PUSHBUTTONS & LIGHTS, 48mm X 48MM, WITH 4mm (0.15 INCH) (16PT) FONT, BLACK TEXT ON WHITE BACKGROUND	CUSTOM	GENERIC TAG - PBPL	M-N		
	75805	0 A/R	TAGS, PANEL, STICK ON OR LAMICOID, MINIMUM FONT SIZE - 5mm (20PT)	CUSTOM	GENERIC TAG - PANEL	M-N		
	80002	1	ENCLOSURE BUILT TO LATEST GCCB-1 AND GCCH-1 SPECIFICATIONS, RAL7035 GRAY, 900 mm H X 825 mm W X 300 mm D WITH GALVANIZED (UNPAINTED) 12 GAUGE SUBPLATE	HOFFMAN OR EQUIVALENT	G7944	B2-N		
	80010	1	HOLE PLUG, 30.5mm DIAMETER	HOFFMAN OR EQUIVALENT	ASPBLG	B1-N		



GM - STANDARD

GM ENGINEER:
HARDWARE
TEAM

DESIGN SOURCE:

DESIGN LEADER:
GREG
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 5KVA REMOTE POWER PANEL
380-500VAC/120VAC
SHEET DESCRIPTION: ECS-4336-TT-BOM (BASE)

SYSTEM/TOOL NO:

RELEASE DATE:

REVISION
LETTER:
G
DATE:
2020-12-17

SECTION
LETTER:

YA

SHEET
NUMBER:

3 OF 3

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STATUS: RELEASED

PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)

SAVE DATE: 2021-09-23

EPLAN VERSION: 2.7,3

BOM NAME:
ECS-4336-TT-BOM (TT OPTION)

SOURCE
LEGEND

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

BOM REV	ITEM NUMBER	QUANTITY	PART DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	GCCL REFERENCE	COMMENTS
	16548	1	TRANSFORMER, CONTROL, 5 KVA, PRIMARY 480-460-440-240-230-220 V, SECONDARY 120-115-110 V, 1 PHASE, 50/60 HZ, IP00, 120 °C RISE, 55 °C AMBIENT	SIEMENS	MTG5000A	B2		TT=12. THIS IS THE 440/460/480V OPTION.
	16558	1	TRANSFORMER, CONTROL, 5 KVA, PRIMARY 415-400-380 V, SECONDARY 220-110 V, 1 PHASE, 50/60 HZ, IP00, 120 °C RISE, 55 °C AMBIENT	SIEMENS	MTG5000I	B2		TT=11. THIS IS THE 380/400/415V OPTION.



GM - STANDARD

GM ENGINEER:
HARDWARE
TEAM

DESIGN SOURCE:

DESIGN LEADER:
GREG
DOPPKE

PROGRAMS:

PACKAGE DESCRIPTION: 5KVA REMOTE POWER PANEL
380-500VAC/120VAC
SHEET DESCRIPTION: ECS-4336-TT-BOM (TT OPTION)

SYSTEM/TOOL NO:

RELEASE DATE:

REVISION
LETTER:
F
DATE:
2020-03-18

SECTION
LETTER:
YB

SHEET
NUMBER:
2 OF 2

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STATUS: RELEASED

PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)


SAVE DATE: 2021-09-23

EPLAN VERSION: 2.7.3

DEVICE LIST

DEVICE TAG	ITEM NUMBER	QTY	DESCRIPTION	MANUFACTURER PART NUMBER
E104DISC	11350	1	CIRCUIT BREAKER 3VA5 UL FRAME 125 BREAKING CAPACITY CLASS H 65KA @ 480V 3-POLE, LINE PROTECTION TM210, FTFM, IN=20A OVERLOAD PROTECTION IR=20A FIXED SHORT-CIRCUIT PROTECTION II=15 X IN WITHOUT CONNECTION	SIEMENS 3VA5120-6ED31-0AA0
	11102	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 125, W/ ADAPTER PLATE	SIEMENS 3VA9138-0DK84
	11110	2	SIEMENS LOW VOLTAGE 3VA CIRCUIT BREAKER ACCESSORY. 3-PIECE STEEL BODY 1-CONDUCTOR BOX TERMINAL - WIRE SIZE: 14 - 3/0 AWG. FOR (125A 3VA5) FRAME UL CIRCUIT BREAKERS.	SIEMENS 3VA9133-0JA11
	11120	2	TERMINAL COVER 3 POLE; 1 PC. WITH PROBE HOLES FOR VOLTAGE TESTING ACCESSORY FOR: 3VA4/5 125 - -	SIEMENS 3VA9131-0WD31
E200T PROCESSOR AND CONTROL POWER TRANSFORMER	75805	0 A/R	TAGS, PANEL, STICK ON OR LAMICOID, MINIMUM FONT SIZE - 5mm (20PT)	CUSTOM GENERIC TAG - PANEL
	16548	1	TRANSFORMER, CONTROL, 5 KVA, PRIMARY 480-460-440-240-230-220 V, SECONDARY 120-115-110 V, 1 PHASE, 50/60 HZ, IP00, 120 °C RISE, 55 °C AMBIENT	SIEMENS MTG5000A
	16558	1	TRANSFORMER, CONTROL, 5 KVA, PRIMARY 415-400-380 V, SECONDARY 220-110 V, 1 PHASE, 50/60 HZ, IP00, 120 °C RISE, 55 °C AMBIENT	SIEMENS MTG5000I
E210CB	11232	1	MINIATURE CIRCUIT BREAKER 240 V 10KA, 1-POLE, C, 50 A, D=70 mm ACCORDING TO UL 489, EQUAL POLARITY	SIEMENS 5SJ4150-7HG40
E216CB	11218	1	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 2 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS 5SJ4102-7HG40
E216LT POWER ON	12504	1	INDICATOR LIGHT, 22 mm, ROUND, METAL, SHINY, GREEN, SMOOTH LENS	SIEMENS 3SU1051-6AA40-0AA0
	12630	1	HOLDER FOR 3 MODULES, METAL	SIEMENS 3SU1550-0AA10-0AA0
	12654	1	LED MODULE WITH INTEGRATED LED, 24-240V AC/DC, GREEN, SPRING-TYPE TERMINAL, FOR FRONT PLATE MOUNTING	SIEMENS 3SU1401-1BH40-3AA0
E220CB	11225	1	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 10 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS 5SJ4110-7HG40
E224CB	11225	1	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 10 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS 5SJ4110-7HG40
E228CB	11225	1	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 10 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS 5SJ4110-7HG40
E232CB	11225	1	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 10 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS 5SJ4110-7HG40
E252CB	11227	1	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 20 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS 5SJ4120-7HG40
E256CB	11227	1	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 20 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS 5SJ4120-7HG40
E260CB	11227	1	CIRCUIT BREAKER, MINIATURE, 240 V, 14 KA, 1-POLE, C, 20 A, D=70 mm TO UL 489, SAME POLARITY	SIEMENS 5SJ4120-7HG40
MP MOUNTING PANEL	12712	4	BLOCK, TERMINAL, END ANCHORS - DIN RAIL, EW 35, BEIGE	WEIDMULLER 0383560000
	75106	0 A/R	DUCT,50 mm W X 75 mm H, WITH COVER	TEHALIT DNG75050
	75120	0 A/R	STANDARD MOUNTING RAIL 35X27X15,1.5mm THICK, 2 METERS LONG	PHOENIX 0806602

DEVICE TAG	ITEM NUMBER	QTY	DESCRIPTION	MANUFACTURER PART NUMBER
	75130	1	WALL MOUNTING BRACKET FOR KL, EB, BT, AE, CM, WALL-MOUNTED HOUSING EL, TP TOP PIECES AND SMALL FIBER OPTIC DISTRIBUTORS, 10 mm WALL DISTANCE, PACKAGE CONTAINS (4) BRACKETS	RITTAL OR EQUIVALENT 2508010
	75150	1	GROUNDING STRAP, COPPER BRAID 10 mm² X 200 mm LONG WITH 6 mm HOLES, FOR BONDING OF ENCLOSURES	RITTAL OR EQUIVALENT 2412210
	80002	1	ENCLOSURE BUILT TO LATEST GCCB-1 AND GCCH-1 SPECIFICATIONS, RAL7035 GRAY, 900 mm H X 825 mm W X 300 mm D WITH GALVANIZED (UNPAINTED) 12 GAUGE SUBPLATE	HOFFMAN OR EQUIVALENT G7944
	80010	1	HOLE PLUG, 30.5mm DIAMETER	HOFFMAN OR EQUIVALENT ASPBLG
	75600	11	HOLE PLUG, 22.5mm DIAMETER	SIEMENS 3SU1900-0FA11-0AA0
	15875	0 A/R	3/8 INCH - NPT GASKET SEAL FOR MINI RECEPTACLE	WOODHEAD - MOLEX 00-5090
	15876	0 A/R	LOCKING NUT FOR MINI RECEPTACLE	WOODHEAD - MOLEX 30-1100
	75804	0 A/R	TAGS, FOR PUSHBUTTONS & LIGHTS, 48mm X 48MM, WITH 4mm (0.15 INCH) (16PT) FONT, BLACK TEXT ON WHITE BACKGROUND	CUSTOM GENERIC TAG - PBPL
	75805	0 A/R	TAGS, PANEL, STICK ON OR LAMICOID, MINIMUM FONT SIZE - 5mm (20PT)	CUSTOM GENERIC TAG - PANEL
LUG PE LUG	12739	1	BLOCK, TERMINAL, SPRING CLAMP, GROUND, 600 V, ZPE 16/3AN, 14- 4 AWG, 1.5 - 25 mm², FINGER SAFE, 3 POLE SINGLE CIRCUIT, 12 mm, GREEN-YELLOW	WEIDMULLER 1768310000
	12731	1	BLOCK, TERMINAL, END BARRIER, FOR ZDU 10/3AN 1767690000 AND ZDU 16/3AN 1768320000, BEIGE	WEIDMULLER 1749580000
AC1	15742	1	CORD, RECEPTACLE, MINI 3 PIN, FEMALE-INTERNAL THREADS, 2 METER (6.56 FT) PIGTAIL - 1/2 INCH NPT, AC C.C., 16 AWG, 600V, 13A	WOODHEAD - MOLEX 1R3000A20M020
AC2	15742	1	CORD, RECEPTACLE, MINI 3 PIN, FEMALE-INTERNAL THREADS, 2 METER (6.56 FT) PIGTAIL - 1/2 INCH NPT, AC C.C., 16 AWG, 600V, 13A	WOODHEAD - MOLEX 1R3000A20M020
AC3	15742	1	CORD, RECEPTACLE, MINI 3 PIN, FEMALE-INTERNAL THREADS, 2 METER (6.56 FT) PIGTAIL - 1/2 INCH NPT, AC C.C., 16 AWG, 600V, 13A	WOODHEAD - MOLEX 1R3000A20M020
AC4	15742	1	CORD, RECEPTACLE, MINI 3 PIN, FEMALE-INTERNAL THREADS, 2 METER (6.56 FT) PIGTAIL - 1/2 INCH NPT, AC C.C., 16 AWG, 600V, 13A	WOODHEAD - MOLEX 1R3000A20M020

	GM - STANDARD	GM ENGINEER:	DESIGN SOURCE:	DESIGN LEADER:	PROGRAMS:	PACKAGE DESCRIPTION:	5KVA REMOTE POWER PANEL 380-500VAC/120VAC	SYSTEM/TOOL NO:	RELEASE DATE:	REVISION LETTER:	SECTION LETTER:	SHEET NUMBER:	
		HARDWARE TEAM		GREG DOPPKE		SHEET DESCRIPTION:	DEVICE LIST	DRAWING NUMBER:		G	YZ	1 OF 1	
								ECS-4336-TT		DATE:			
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STATUS: RELEASED						PROJECT NAME: ECS-4336-TT_RevH(2021-09-23)				SAVE DATE: 2021-07-23		EPLAN VERSION: 2.7.3	

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