

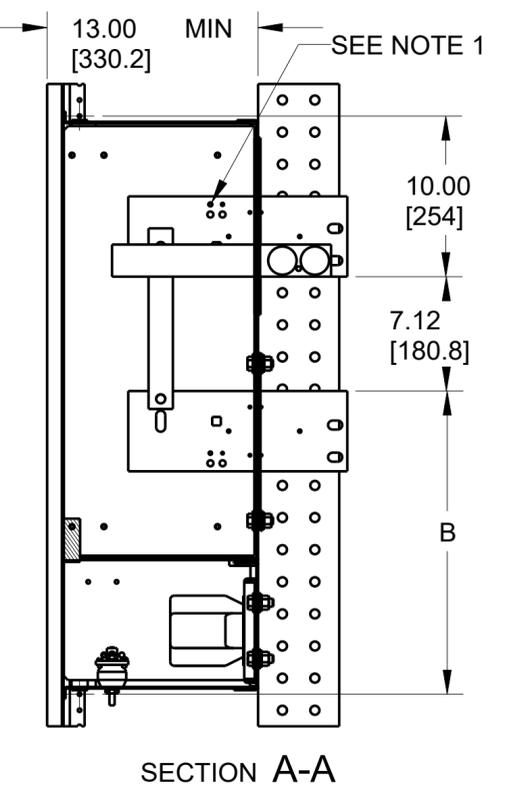
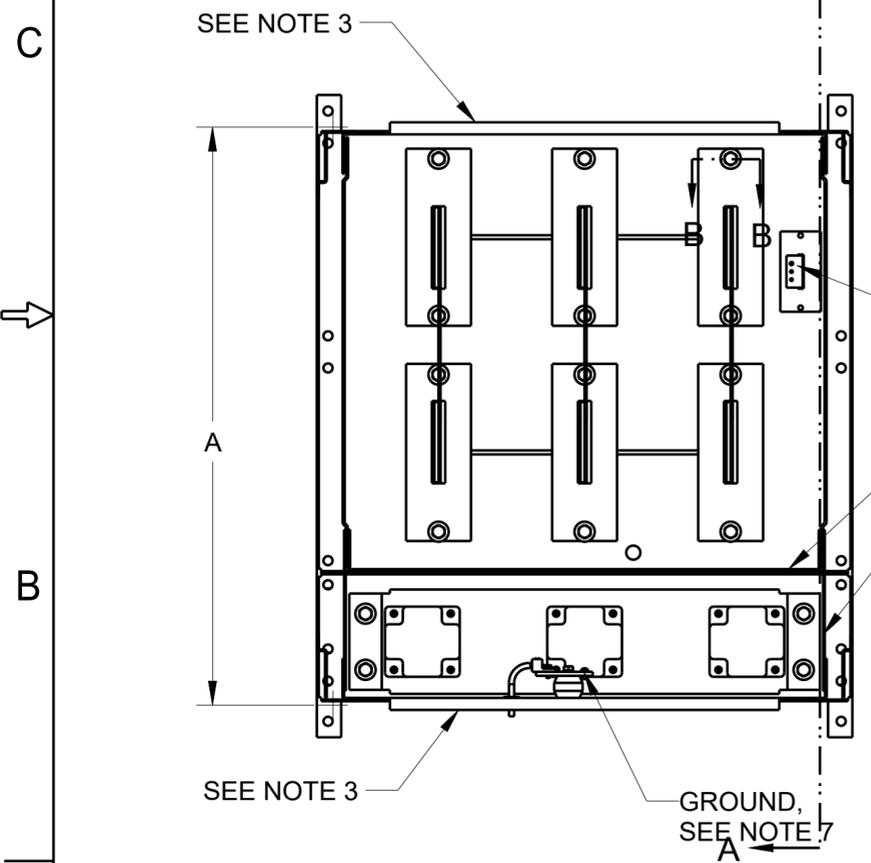
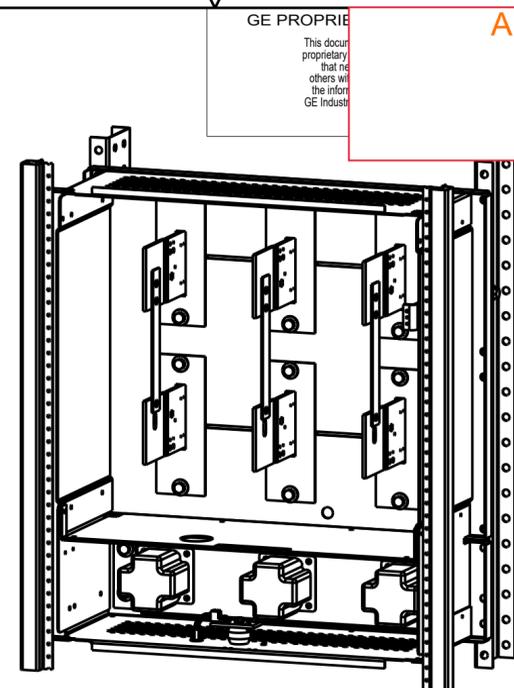
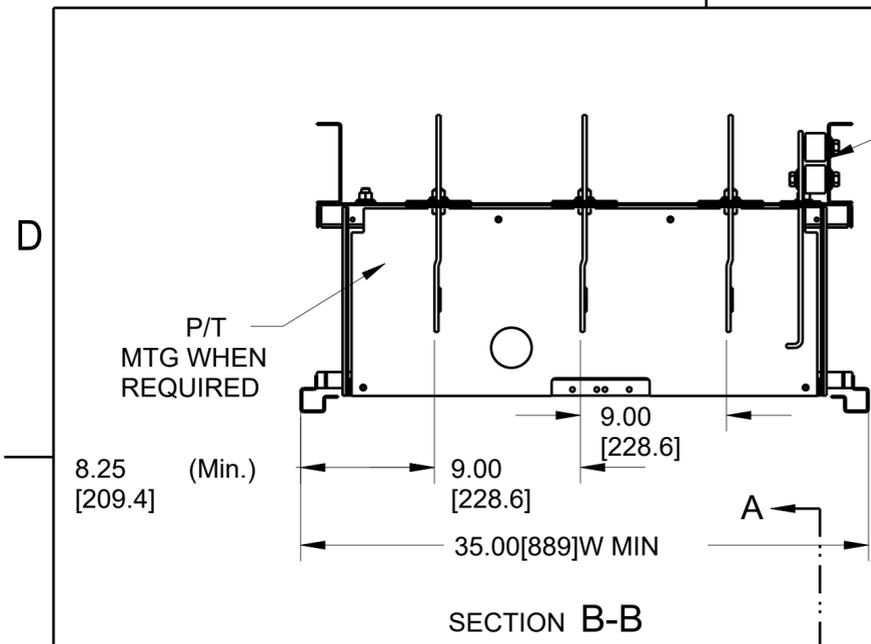
Ameren Approved Switchboard - GE / ABB CT / PT Compartment
 208Y/120V, 480Y/277V, 800 - 1200 Amperes
 Reference: ABB / GE 75C143991 (Sheet 83)

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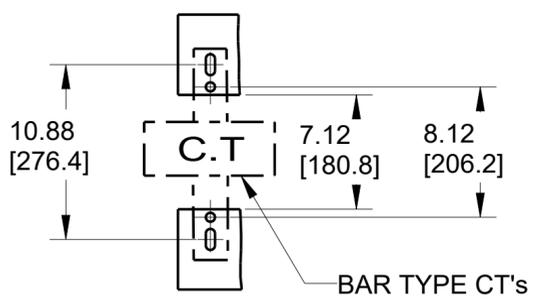
4	R1005610	05/12/10	GV
5	R1006158	06/10/10	GV
6		02/10/22	JRO

SPECIFICATIONS:

- POTENTIAL TAPS 10-32 & 1/4-20 SUPPLIED WITH ROUND HEAD SCREW ON THE LINE (SUPPLY) SIDE.
- BUS SIZES AND AMPERAGE RATINGS FOR C/T LINKS, WHEN PROVIDED, TO BE AS SHOWN IN CHART.
- ALUMINIUM BARRIERS FURNISHED AT TOP, BOTTOM, SIDES AND REAR.
- ANSI STANDARD C12.11-DRILLING PROVISIONS FOR BAR TYPE C/T'S FOR SERVICES RATE FROM 400A TO 1200A.
- SEPARATE DOORS SHALL BE PROVIDED FOR THE CT AND PT COMPARTMENT. EACH CT AND PT COMPARTMENT'S DOORS ARE REQUIRED WITH SEALING PROVISIONS AND PADLOCK HASP OVER THE RESPECTIVE CT OR PT COMPARTMENT.
- NEUTRAL TAP, BUSSED TO THE SWITCHBOARD NEUTRAL IS PROVIDED WITH 1/4-20 TAP, 10-32 TAP AND 1/0 TO #10 LUG.
- GROUND TAP, CONNECTED TO THE SWITCHBOARD GROUND WITH #6 AWG CABLE, IS PROVIDED WITH 1/4-20 TAP AND 10-32 TAP. GROUND CABLE IS MARKED WITH GREEN INSULATING TAPE.
- MANDATORY POTENTIAL TRANSFORMER MOUNTING PROVISIONS PROVIDED IN AN 8.00" [203.2mm] EXTENSION FOR VOLTAGES 480Y/277V AND 480V SERVICES UPTO 600A. SEE DIMENSION PT TABLE.
- BRACING REQUIRED FOR 100KA AND ABOVE.
- DIMENSIONS SHOWN IN INCHES AND MILLIMETERS IN BRACKETS.
- INSULATION BARRIER PROVIDED BETWEEN CT AND PT COMPARTMENT 1" DIAMETER HOLE WITH BUSHINGS PROVIDED FOR WIRE ROUTING. (REFER 10090437PV1).
- LINKS & MTG. BRKT WILL BE FURNISHED FOR WINDOW TYPE C/T'S. SEE 75C143991SH82.
- UTILITY ALLOWS UPTO 3000A SERVICES. GE/ABB CAN OFFER MAX 4000A.
- BOTTOM OF CT/PT SECTION SHALL BE NO LOWER THAN 24" FROM BOTTOM OF SWITCHBOARD.
- TOP OF CT COMPARTMENTS SHALL BE NO HIGHER THAN 78" FROM BOTTOM OF SWITCHBOARD.
- THIS DESIGN NOT USED FOR CORNER GROUNDED SYSTEMS. AMEREN DOES NOT ALLOW CORNER GROUNDED SYSTEMS GREATER THAN 600 AMPS.



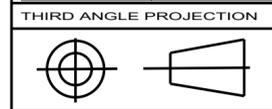
AMPS	VERTICAL LINK MATERIAL	
	COPPER	ALUMINIUM
201-400	(2) 2" X .242	(1) 2" X .335
600	(2) 2" X .242	(2) 2" X .335
800	(2) 2" X .242	(2) 2" X .335
1000	(1) 4" X .242	(2) 4" X .250
1200	(2) 4" X .242	(2) 4" X .250



DIMENSION PT TABLE

	A	B
WITH PT'S	36.00[914.4]	18.88[479.55]
WITHOUT PT'S	28.00[711.2]	10.88[276.35]

NOTE:
 SEE JOB DWG. FOR ACTUAL DIMENSIONS WHERE MIN. DIMENSIONS ARE SHOWN.
 CT COMP'T CODE = AC



Part must conform to SI 900000
 Sect. 4, Toxicity Procedure

FOR ADDITIONAL INFO REFER TO:	SIGNATURES	DATE
APPLIED PRACTICES	MODEL	NB 09/27/07
UNLESS OTHERWISE SPECIFIED IN DRAWING	DETAIL	---
	CHECKED	---
	ENGRG	---
	MFG	---
TOLERANCE ON:	QUALITY	---
1 PL DECIMALS ± 0.1	ISSUED	---
2 PL DECIMALS ± 0.03		
3 PL DECIMALS ± 0.010		
ANGLES ± 0.5		
FRACTIONS ±		
FINISH		
CRITICAL TO QUALITY CHARACTERISTIC	DRAWING FILE: 75C143991SH83	
	SOLID MODEL: 75C143991SH83	

GE INDUSTRIAL SOLUTIONS
 by ABB

TITLE
AMEREN 400-1200A WITH BAR TYPE C/T SWITCHBOARD

SIZE: C DRAWING: 75C143991 REV: 6

SCALE: 0.125 SHEET 83