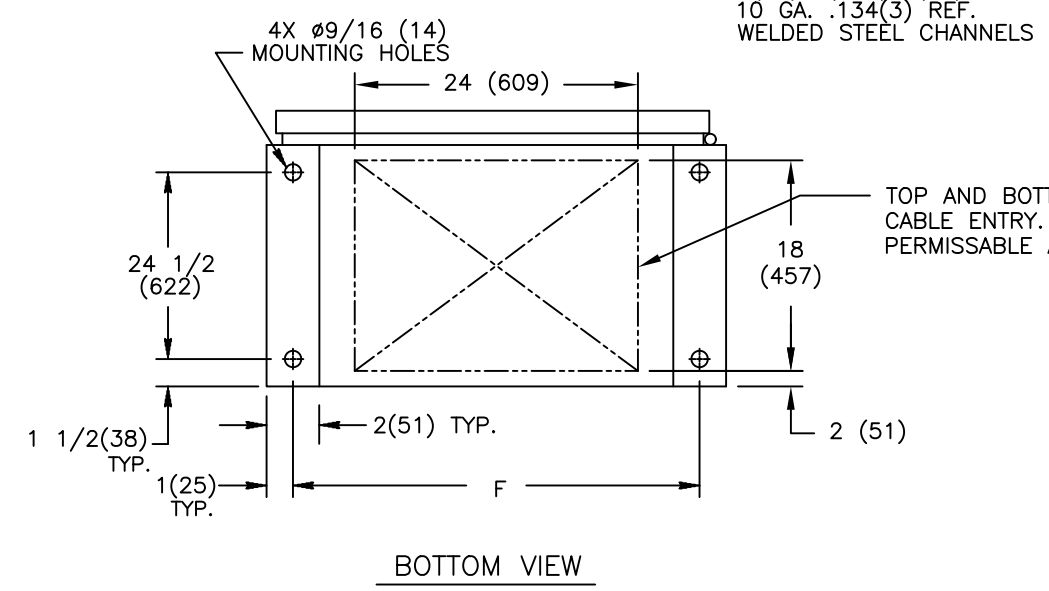
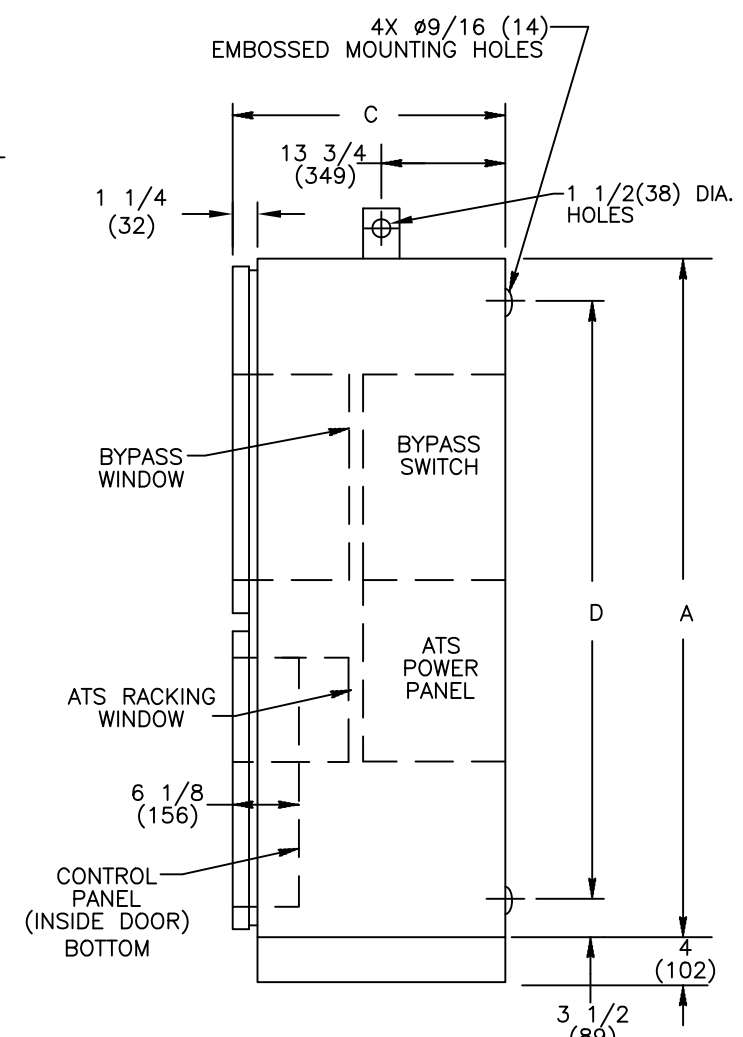
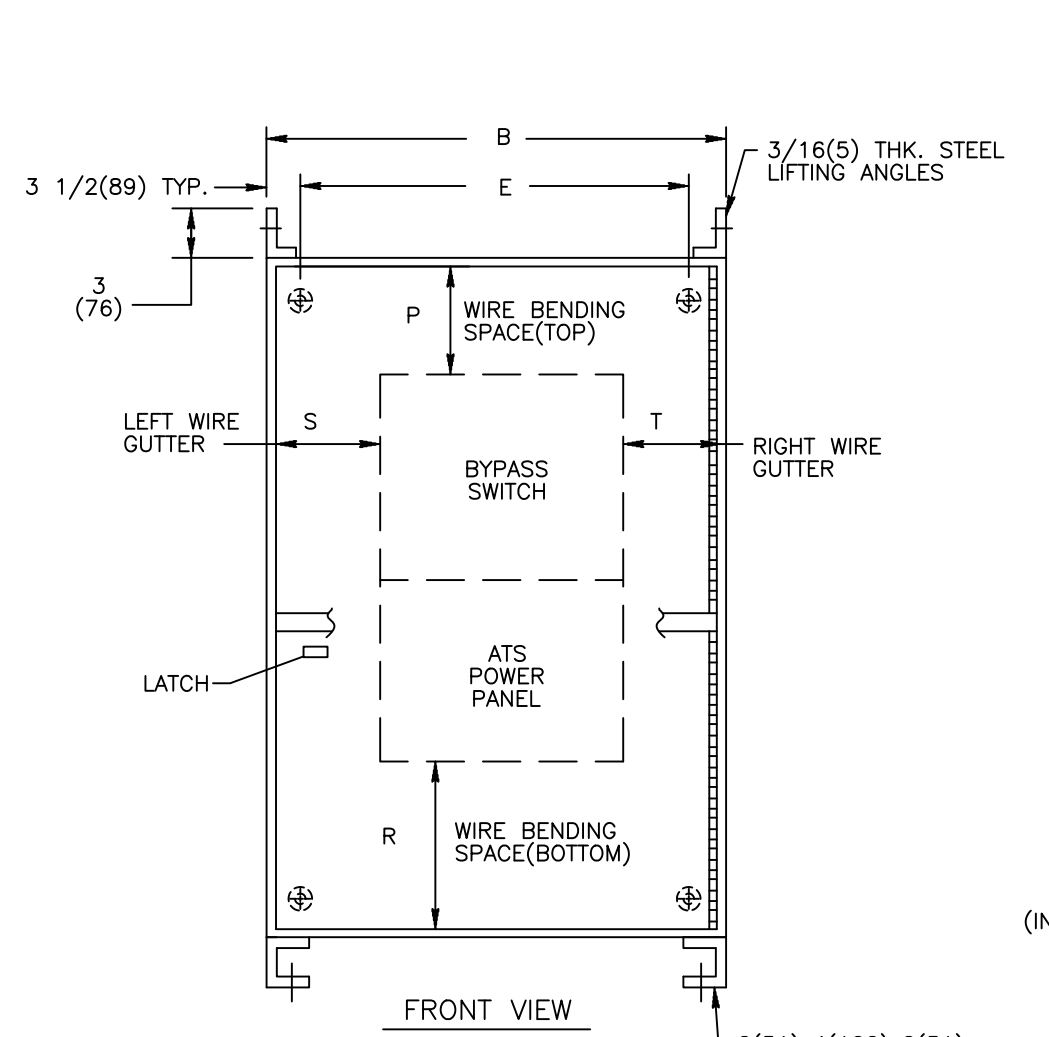


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	S-9035 Updated cable entry note.	02/15/11	MAS MAS

ZBTE/ZBTED SWITCHES	NO. POLES	ENCLOSURE PART #	LUG RANGE	WIRE BENDING SPACE		WIRE GUTTERS	
				P(TOP)	R(BOTTOM)	S(LEFT)	T(RIGHT)
100-225 AMP	2,3,4	F-1853MP	#6-250 MCM (16-150mm ²)	15 1/4 (387)	16 (406)	3 3/8 (86)	1 1/8 (30)
260-400 AMP	2,3,4		#4-600 MCM (21-304mm ²)				

CABINET DIMENSIONS						
CABINET	A	B	C	D	E	F
F-1853MP	79 (2007)	30 (762)	28 1/2 (724)	72 (1829)	23 (584)	28 (711)



NOTES:

1. MATERIAL: 10 GA. STEEL .134(3) REF. UNLESS OTHERWISE NOTED.
2. FINISH: PER F-7000.
3. ALL LUG CONNECTIONS AT TOP OF BYPASS SWITCH.
4. ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SHOWN IN INCHES(MILLIMETERS).
5. CONSTRUCTION PER UL 1008
6. FOR INSTALLATION, REFER TO SHEET NO. 2.

SIGNATURES		DATE	GE Zenith Controls
MODEL	DF	01/15/08	
DETAIL			
CHECKED			
ENGRG	CEE	01/15/08	
MFG			TITLE
QUALITY			ZBTE(D) 100-400 AMP DIMENSIONAL DWG. NEMA-1
ISSUED			FIRST MADE FOR: ZBTE(D) 100-400 AMP NEMA-1 ENCLOSURE
DRAWING FILE:	90c-1026-c-1.dwg		SIZE
MODEL / ASSEMBLY FILE:	ZBTE(D) 100-400 AMP		B
# CTQs	⊖	CRITICAL TO QUALITY CHARACTERISTIC	CAGE CODE
			DWG NO
			90C-1026
AutoCad Generated		SCALE: N/A	SHEET 1 OF 2

THIRD ANGLE PROJECTION

GE PROPRIETARY AND CONFIDENTIAL INFORMATION

This document is the property of General Electric Company ("GE") and contains proprietary information of GE. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of GE Industrial Systems, and that the information shall be used by the recipient only as approved expressly by GE Industrial Systems. This document shall be returned to GE upon its request. This document may be subject to certain restrictions under U.S. export control laws and regulations.

REVISIONS

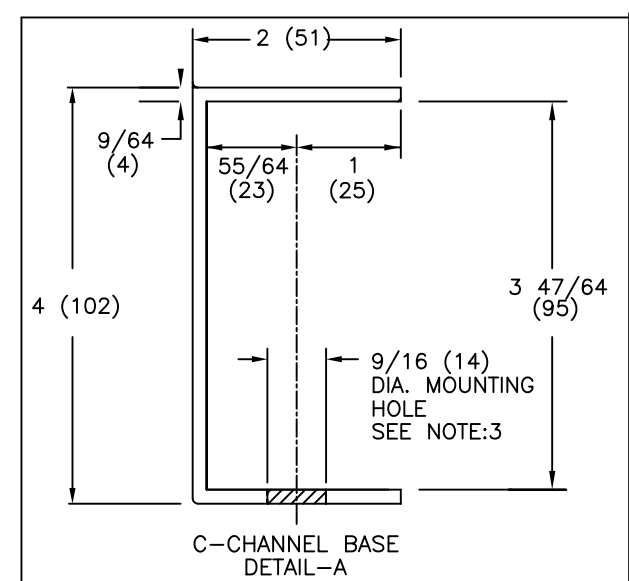
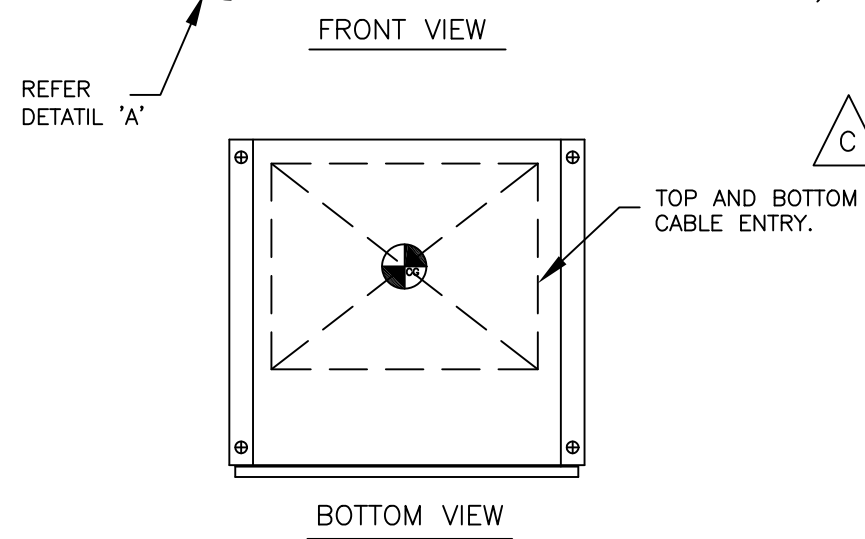
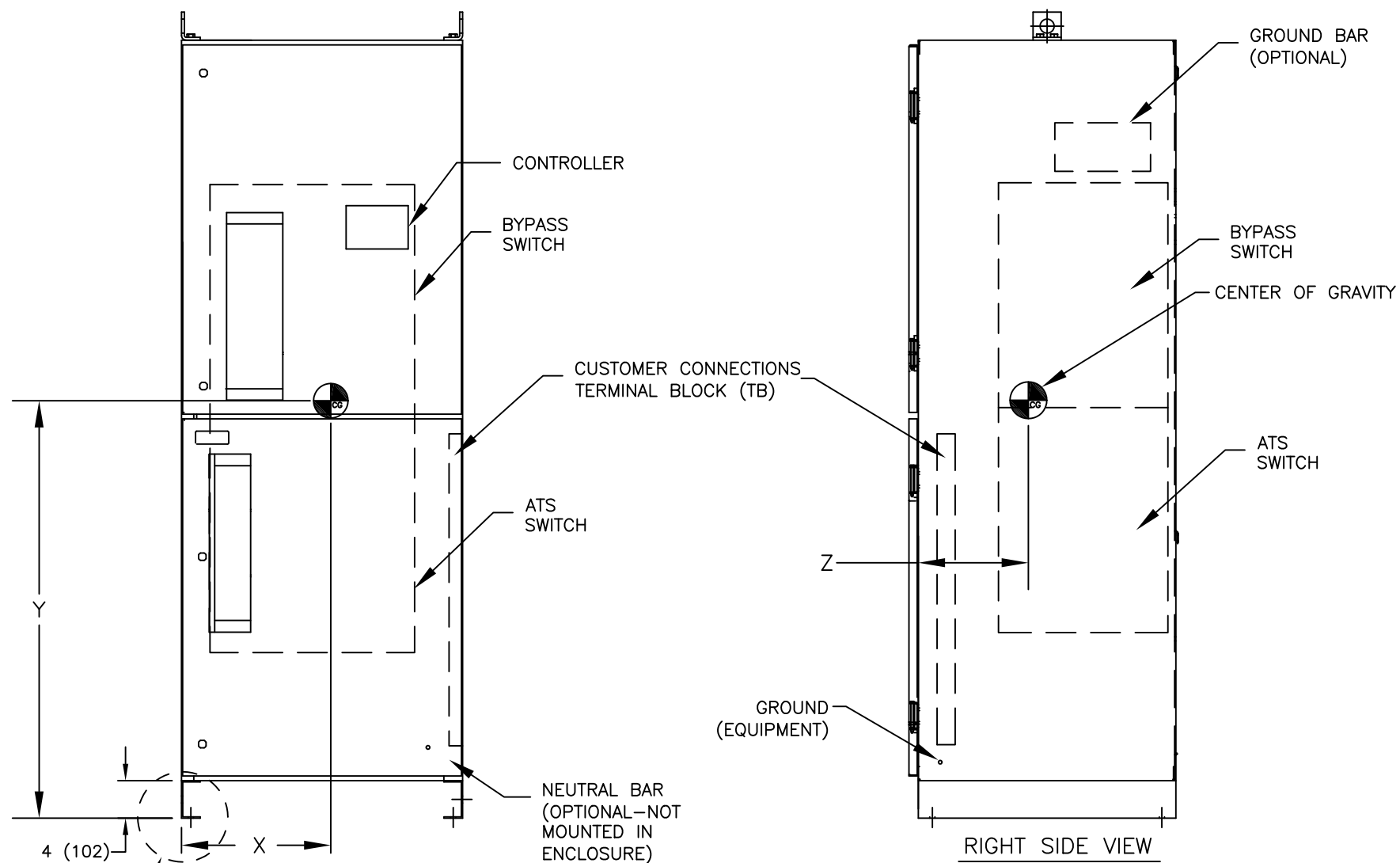
REV.	DESCRIPTION	DATE	APPROVED
C	S-9035 Updated shts 1&2	02/15/11	MAS MAS

NOTES:

1. ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SHOWN IN INCHES (MILLIMETERS).
2. SEISMIC DATA OF MOST VULNERABLE ATS CONSTRUCTION WITHIN ITS PLATFORM:

MAXIMUM DEFLECTION AT TOP OF GEAR: $d_{ss}=1.41$ INCHES (36 mm) $d_{fb}=0.67$ INCHES (17 mm)
QUALIFIED BY: TIME HISTORY SHAKE TABLE TEST IEEE-693-2005-HIGHx2.5 (64 mm) IBC-2003-300%G
RESONANCE FREQUENCIES: $f_{ss}=7.0$ Hz $f_{fb}=10.2$ Hz $f_v > 33.0$ Hz
MAXIMUM REACTION TO ANY BOLT: $V_{ss}=788$ LBS (358 KG) SHEAR (DEAD LOAD +/- SEISMIC) $V_{fb}=788$ LBS (358 KG) SHEAR $T_v=3170$ LBS (1441 KG) UP $P_v=3787$ LBS (1721 KG) DOWN

3. BOLT ENCLOSURE FROM C-CHANNEL BASE (SEE DETAIL A) USING THE FOLLOWING SEISMIC CERTIFIED MOUNTING HARDWARE PER MOUNTING HOLE:
(HARDWARE PROVIDED BY INSTALLER).
 - 1/2-13 GRADE 5 BOLT TORQUE TO 75 FT-LBS. (102 NEWTON METERS).
 - US STANDARD HIGH STRENGTH ZINC-PLATED FLAT WASHER 5/8 (16) I.D. AND 1-1/2 (38) O.D.
 - 1/2 (13) HELICAL SPRING LOCK WASHER.
4. CENTER OF GRAVITY DIMENSIONS ARE FOR REFERENC ONLY.
5. STANDARD SWITCH CONFIGURATION HAS ALL LUGS LOCATED AT TOP.
6. SWITCH SUPPLIED WITH STANDARD MECHANICAL LUG.
REFER TO SHEET 1 FOR LUG DETAILS
7. ALL CONTROL WIRES (18-12 AWG) MUST BE TORQUED TO 19 in-lbs. (2 N-m)
8. LUG TORQUE ARE APPLICABLE FOR CU & AL CABLES.
9. FOR WORKING CLEARANCE REFER TO NATIONAL AND LOCAL CODES AND STANDARDS.



SOCKET SIZE ACROSS FLATS	TIGHTENING TORQUE FOR LUGS	
	Lb-Ft	N-m
1/8	4	5.4
5/32	8	10.9
3/16	10	13.6
7/32	12	16.3
1/4	17	23.1
5/16	23	31.2
3/8	31	42.1
1/2	42	57.0
9/16	50	67.9

AMP	POLE	WEIGHT	CENTER OF GRAVITY in(mm)		
		LB(kg)	X	Y	Z
100-400	2,3	1280(580)	12.4	42.3	13.8
	4	1385(628)	(315)	(1074)	(353)

SIGNATURES	DATE
MODEL DF	01/15/08
DETAIL	
CHECKED	
ENGRG YP	01/15/08
MFG	
QUALITY	
ISSUED	
DRAWING FILE: 90C-1026-c-2.dwg	
MODEL / ASSEMBLY FILE: ZBTE(D) 100-400 AMP	
# CTQs	

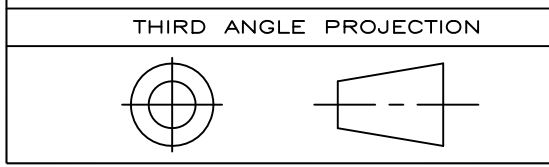
GE Zenith Controls

TITLE: ZBTE(D) 100-400 AMP INSTALLATION DWG. NEMA-1

FIRST MADE FOR: ZBTE(D) 100-400 AMP NEMA 1

SIZE: B CAGE CODE: DWG NO: 90C-1026

SCALE: N/A SHEET 2 OF 2



GE PROPRIETARY AND CONFIDENTIAL INFORMATION

This document is the property of General Electric Company ("GE") and contains proprietary information of GE. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of GE Industrial Systems, and that the information shall be used by the recipient only as approved expressly by GE Industrial Systems. This document shall be returned to GE upon its request. This document may be subject to certain restrictions under U.S. export control laws and regulations.

AutoCad Generated

CRITICAL TO QUALITY CHARACTERISTIC