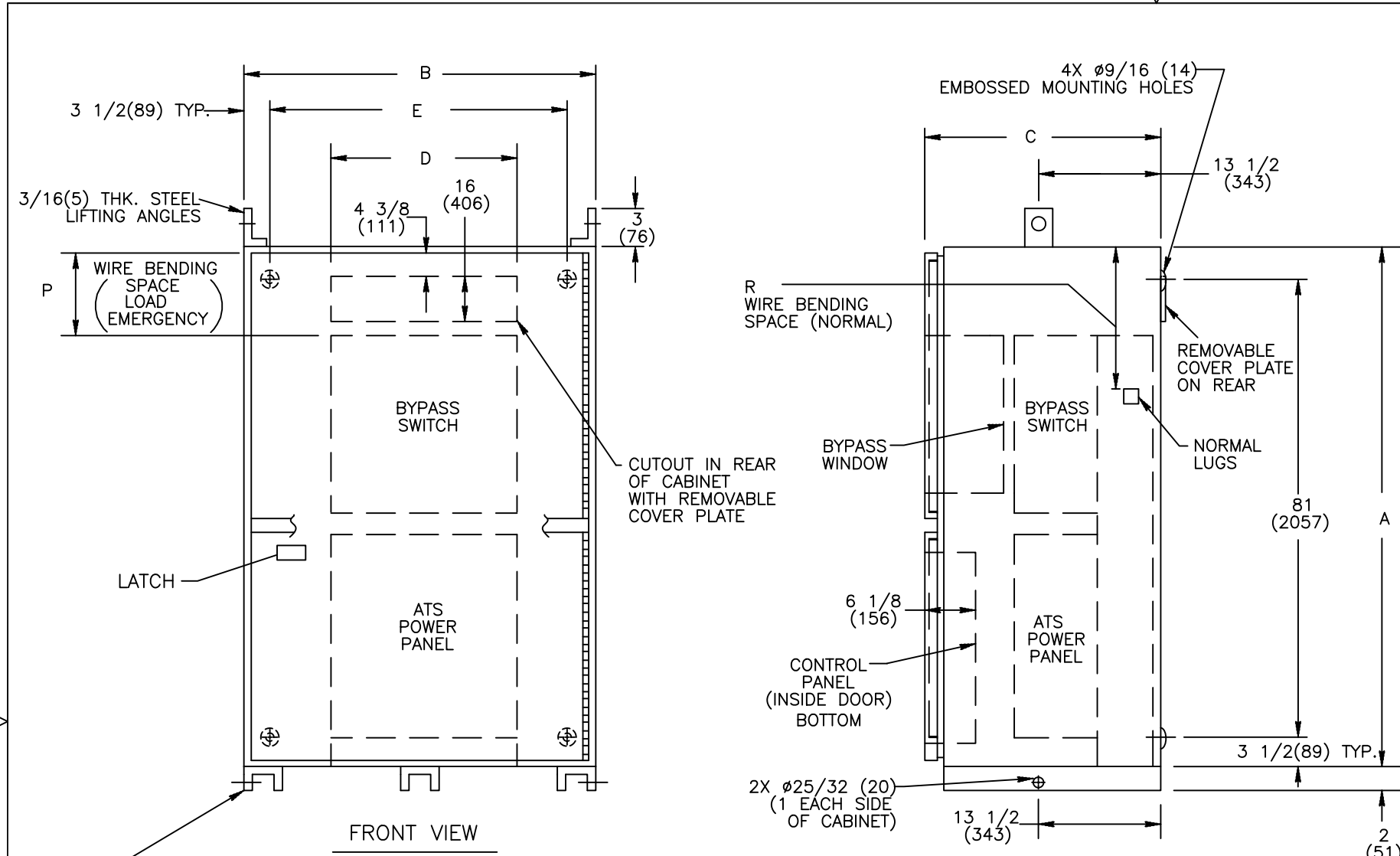


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
E	S-8766-1 REVISED DRAWING	05/13/08	GG CE



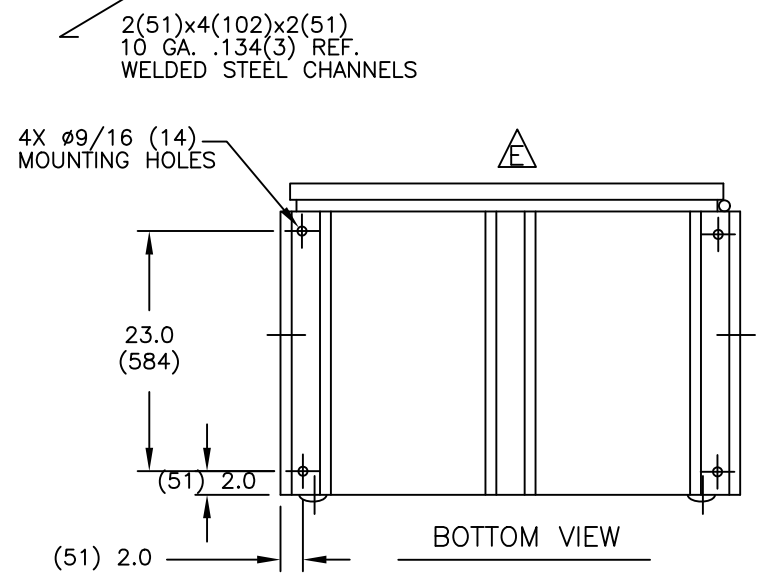
ZBTSCT SWITCHES	CONTROLLER TYPE	NO. POLES	NEMA 1 CABINET	LUG RANGE	WIRE BENDING SPACE	
					P(EMERG)	R(NORMAL)
100-400 AMP	MX-250	2,3	F-1800MP	(QTY 1) #4-600 MCM (33-304mm ²)	18 1/4 (464)	31 3/8 (797)
		4	F-1801MP			27 1/8 (689)

ZBTS(D/CT) SWITCHES	CONTROLLER TYPE	NO. POLES	NEMA 1 CABINET	LUG RANGE	WIRE BENDING SPACE	
					P(EMERG)	R(NORMAL)
600 AMP	MX-250	2,3	F-1800MP	(QTY 2) #2-600 MCM (33-304mm ²)	18 1/4 (464)	31 3/8 (797)
		4	F-1801MP			27 1/8 (689)
800-1200 AMP	MX-250	2,3	F-1802MP	(QTY 4) #2-600 MCM (33-304mm ²)	18 1/4 (464)	29 5/8 (752)
		4	F-1803MP			25 1/8 (638)

CABINET DIMENSIONS					
CABINET	A	B	C	D	E
F-1800MP	88 (2235)	36 (914)	28 1/4 (737)	24 (610)	29 (737)
F-1802MP	88 (2235)	40 (1016)	28 1/4 (737)	28 (711)	33 (838)
F-1803MP	88 (2235)	46 (1168)	28 1/4 (737)	34 (864)	39 (991)
F-1801MP	88 (2235)	40 (1016)	28 1/4 (737)	28 (711)	33 (838)

NOTES:

- MATERIAL: 10 GA. STEEL .134(3) REF. UNLESS OTHERWISE NOTED.
- FINISH: PER F-7000.
- LOAD AND EMERGENCY LUG CONNECTIONS AT TOP OF BYPASS SWITCH. NORMAL LUG CONNECTIONS ON RIGHT SIDE OF MOUNTING FRAME.
- ALL CABLES MUST ENTER IN TOP WIRING AREA OF CABINET ABOVE BYPASS SWITCH. NO CABLE ENTRY ALLOWED IN BOTTOM OF CABINET.
- ADDITIONAL REAR BAY AVAILABLE FOR BOTTOM CABLE ENTRY. CONSULT FACTORY.
- ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SHOWN IN INCHES(MILLIMETERS).
- CONSTRUCTION PER UL 1008



SIGNATURES		DATE
MODEL	SG	01/31/97
DETAIL		
CHECKED		
ENGRG		
MFG		
QUALITY		
ISSUED		
DRAWING FILE:	50C-1003-e-1.dwg	
MODEL / ASSEMBLY FILE:	ZBTS(D) 600-1200 AMP & ZBTSCT 100-1200 AMP	
# CTQs	⊖	CRITICAL TO QUALITY CHARACTERISTIC

GE Zenith Controls

TITLE: TRANSFER SWITCHES NEMA 1 ENCL.

FIRST MADE FOR: ZBTS(D) 600-1200 AMP & ZBTSCT 100-1200 AMP

SIZE: B CAGE CODE: DWG NO: 50C-1003

SCALE: N/A SHEET 1 OF 3

THIRD ANGLE PROJECTION

GE PROPRIETARY AND CONFIDENTIAL INFORMATION

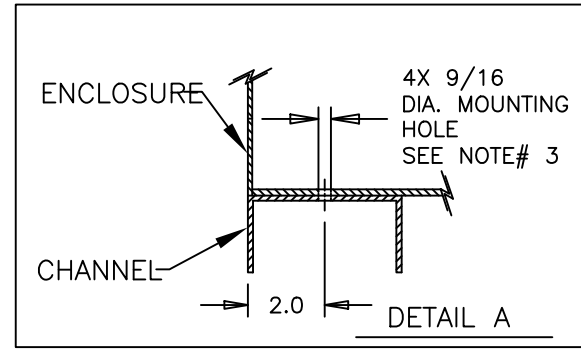
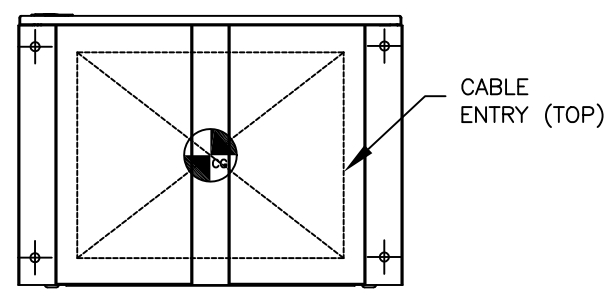
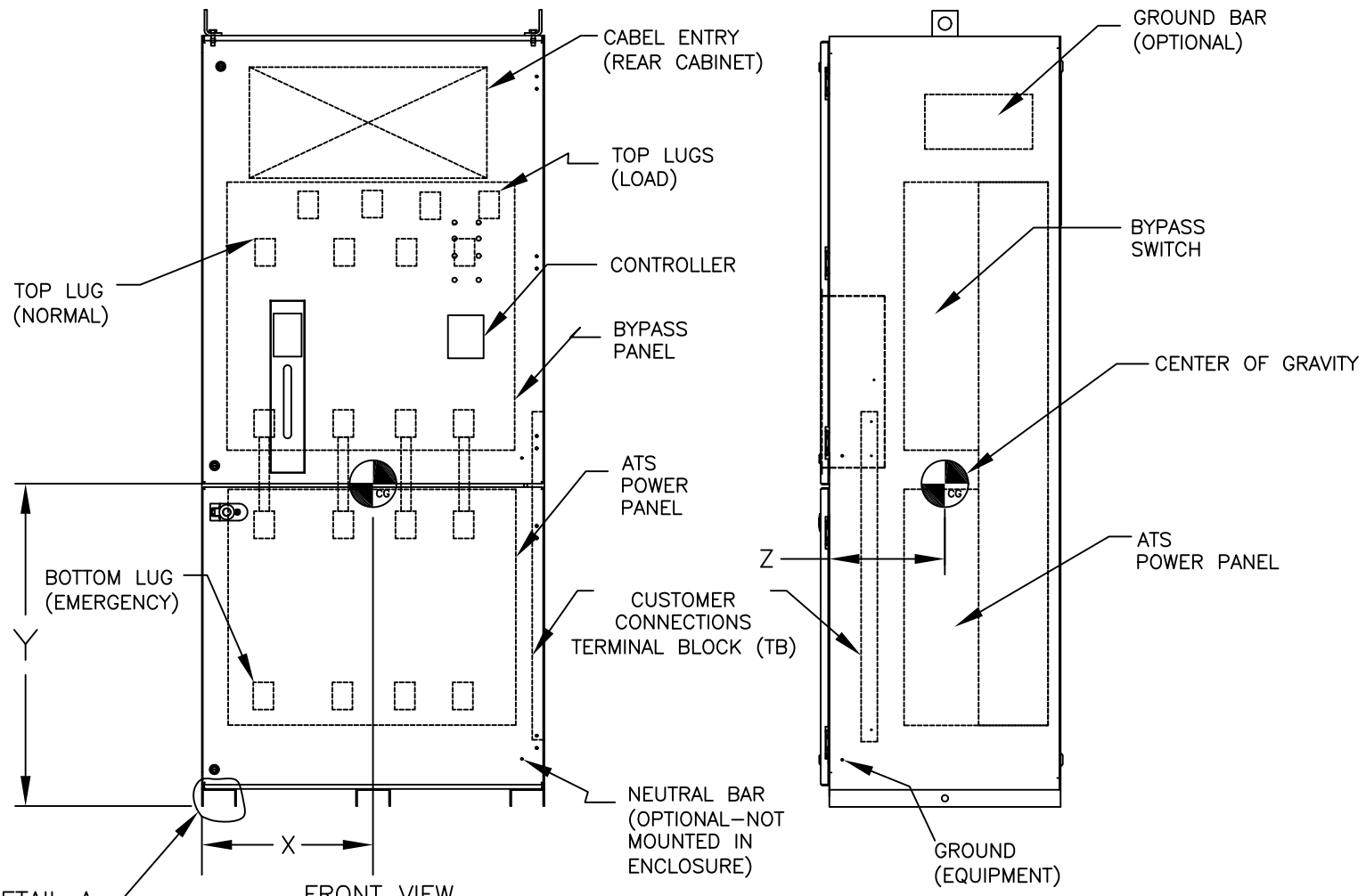
This document is the property of General Electric Company ("GE") and contains proprietary information of GE. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of GE Industrial Systems, 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.

AutoCad Generated

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
E	S-8766-1 ADD 2ND & 3RD SHT	05/13/08	GG CE

SOCKET SIZE ACROSS FLATS	TORQUE	
	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 LB(kg)	CENTER OF GRAVITY in(mm)		
			X	Y	Z
100-400	2,3	1280(580)	18.0	37.0	18.0
	4	1385(628)	(457)	(940)	(457)



NOTES:

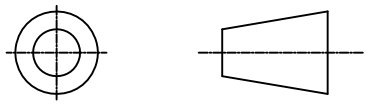
- ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SHOWN IN INCHES (MILLIMETERS).
- SEISMIC DATA OF MOST VULNERABLE ATS CONSTRUCTION WITHIN ITS PLATFORM:

MAXIMUM DEFLECTION AT TOP OF GEAR:	dss=0.98 INCHES (25 MM) dfb=0.17 INCHES (4 MM)
QUALIFIED BY:	TIME HISTORY SHAKE TABLE TEST IEEE-693-2005-HIGHx2.5 (64 MM) IBC-2003-300%G
RESONANCE FREQUENCIES:	fss=8.6 Hz ffb=21.0 Hz fv=>33.0 Hz
MAXIMUM REACTION TO ANY BOLT:	Vss=5400 LBS (2455 KG) SHEAR (DEAD LOAD +/- SEISMIC) Vfb=5400 LBS (2455 KG) SHEAR Tv=12251 LBS (5569 KG) UP Pv=16492 LBS (7496 KG) DOWN

- BOLT ENCLOSURE FROM THE C-CHANNEL BASE USING THE FOLLOWING SEISMIC CERTIFIED MOUNTING HARDWARE PER MOUNTING HOLE : (HARDWARE PROVIDED BY INSTALLER).
 - 1/2"-13 GRADE 5 BOLT TORQUE TO 70 FT. LBS. (95 NEUTON METERS).
 - US STANDARD HIGH STRENGTH ZINC PLATED FLAT WASHER 5/8 (16) I.D. AND AND 1/2 (13) O.D.
 - 1/2 (13) HELICAL SPRING LOCK WASHER.

SIGNATURES		DATE	GE GE Zenith Controls
MODEL	GG	05/13/08	
DETAIL			ZBTSC
CHECKED			INSTALLATION DWG. NEMA-1
ENGRG			FIRST MADE FOR: ZBTSC 100-400 AMP
MFG			SIZE CAGE CODE DWG NO
QUALITY			B 50C-1003
ISSUED			SCALE: N/A SHEET 2 OF 3
DRAWING FILE:	50c-1003-e-2.dwg		
MODEL / ASSEMBLY FILE:	ZBTSC 100-400 AMP		
AutoCad Generated	# CTQs	CRITICAL TO QUALITY CHARACTERISTIC	

THIRD ANGLE PROJECTION



GE PROPRIETARY AND CONFIDENTIAL INFORMATION

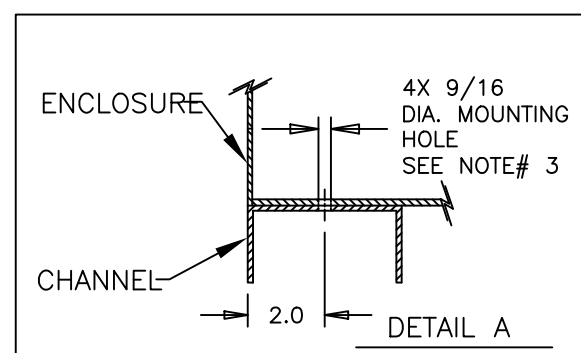
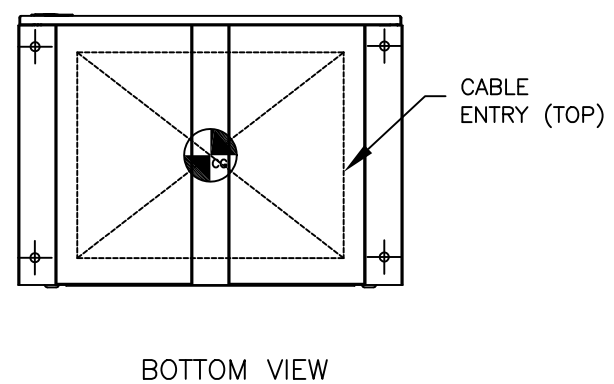
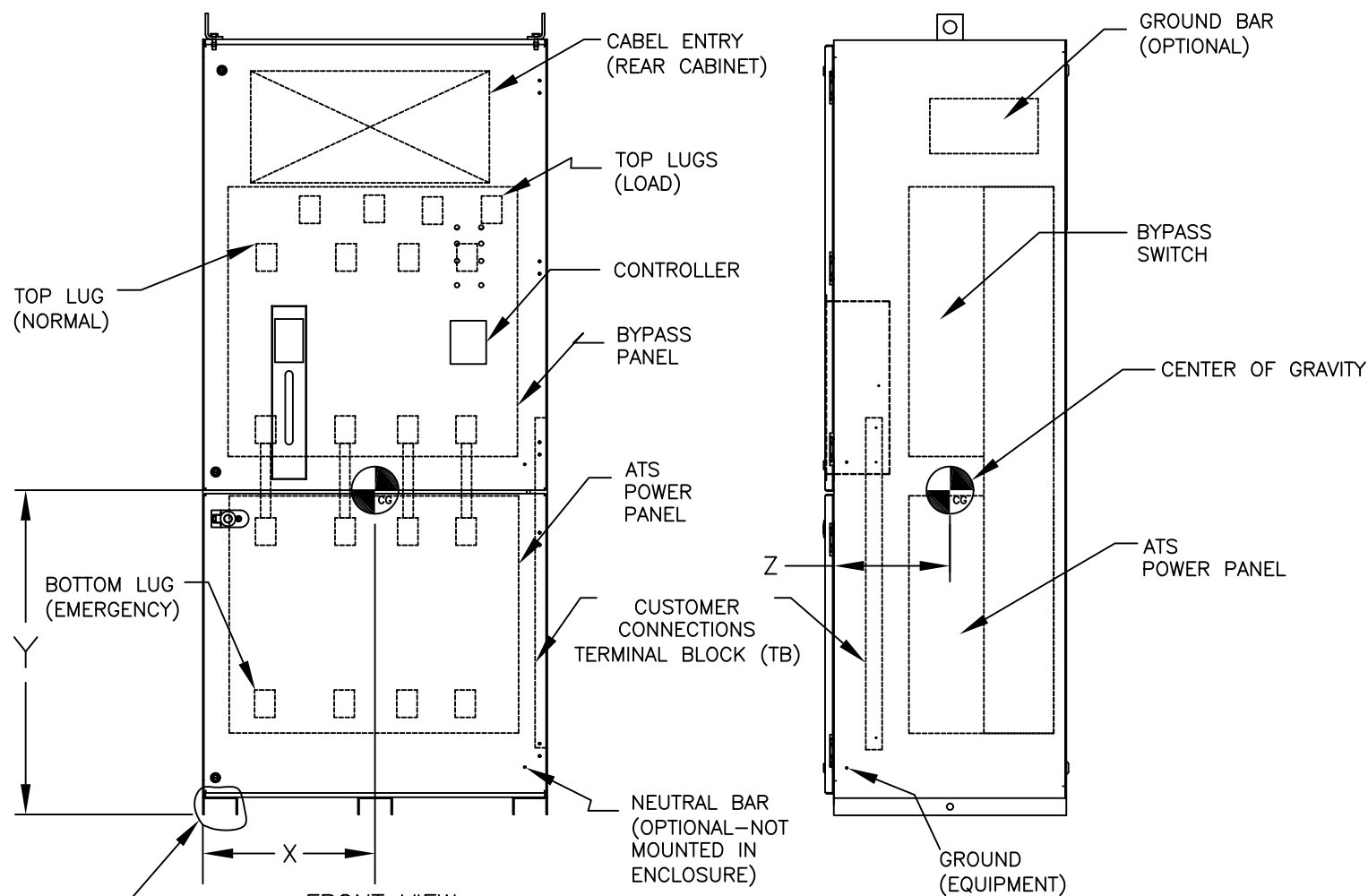
This document is the property of General Electric Company ("GE") and contains proprietary information of GE. This document is loaned on the express condition that neither it nor the information contained therein shall be disclosed to others without the express written consent of GE Industrial Systems, 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
E	S-8766-1 ADD 2ND & 3RD SHT	05/13/08	GG CE

SOCKET SIZE ACROSS FLATS	TORQUE	
	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

ZBTS(D)CT AMP	POLE	WEIGHT LB(kg)	CENTER OF GRAVITY in(mm)		
			X	Y	Z
600	3	1435(651)	18.0 (457)	36.0 (914)	19.0 (482)
	4	1540(699)			
800-1200	3	1485(674)	21.0 (533)	36.0 (914)	19.0 (482)
	4	1590(721)			



NOTES:

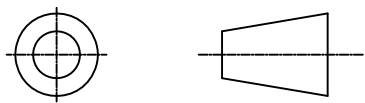
- ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SHOWN IN INCHES (MILLIMETERS).
- SEISMIC DATA OF MOST VULNERABLE ATS CONSTRUCTION WITHIN ITS PLATFORM:

MAXIMUM DEFLECTION AT TOP OF GEAR: dss=0.98 INCHES (25 MM) dfb=0.17 INCHES (4 MM)
QUALIFIED BY: TIME HISTORY SHAKE TABLE TEST IEEE-693-2005-HIGHx2.5 (64 MM) IBC-2003-300%G
RESONANCE FREQUENCIES: fss=8.6 Hz ffb=21.0 Hz fv=>33.0 Hz
MAXIMUM REACTION TO ANY BOLT: Vss=5400 LBS (2455 KG) SHEAR (DEAD LOAD +/- SEISMIC) Vfb=5400 LBS (2455 KG) SHEAR Tv=12251 LBS (5569 KG) UP Pv=16492 LBS (7496 KG) DOWN

- BOLT ENCLOSURE FROM THE C-CHANNEL BASE USING THE FOLLOWING SEISMIC CERTIFIED MOUNTING HARDWARE PER MOUNTING HOLE : (HARDWARE PROVIDED BY INSTALLER).
 - 1/2"-13 GRADE 5 BOLT TORQUE TO 70 FT. LBS. (95 NEUTON METERS).
 - US STANDARD HIGH STRENGTH ZINC PLATED FLAT WASHER 5/8 (16) I.D. AND 1/2 (13) O.D.
 - 1/2 (13) HELICAL SPRING LOCK WASHER.

SIGNATURES		DATE	GE GE Zenith Controls
MODEL GG		05/13/08	
DETAIL			TITLE
CHECKED			ZBTS(D) & ZBTSCT INSTALLATION DWG. NEMA-1
ENGRG			FIRST MADE FOR: ZBTS(D) & ZBTSCT 600-1200 AMP
MFG			SIZE CAGE CODE DWG NO
QUALITY			B 50C-1003
ISSUED			SCALE: N/A SHEET 3 OF 3
DRAWING FILE: 50c-1003-e-3.dwg			
MODEL / ASSEMBLY FILE: ZBTS(D) & ZBTSCT 600-1200 AMP			
AutoCad Generated	# CTQs	CRITICAL TO QUALITY CHARACTERISTIC	

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.

AutoCad Generated