

**NOTES:**

- MATERIAL:
  - A. 12 GA. 1018 HRS .104(3) REF. (F-1852MP)
  - B. 14 GA. 1018 HRS .074(2) REF. (F-1872MP AND F-1866MP)
 UNLESS OTHERWISE NOTED.
- FINISH: ANSI 61 GREY.
- ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SHOWN IN INCHES(MILLIMETERS).
- CONSTRUCTION PER UL 1008.
- FOR INSTALLATION, REFER TO SHEET NO. 4.
- A ZTECT 100A-400A WHEN ORDERED WITH COMPRESSION LUG OPTION WILL REQUIRE A LARGER ENCLOSURE OF 74"H X 40"W X 19.5"D

CABINET DIMENSIONS									
CABINET	A	B	C	D	E	F	G	H	J
F-1872MP	46 (1168)	24 (610)	14 (356)	42 (1067)	20 (508)	19 (483)	6 (152)	--	--
F-1852MP	70 (1778)	40 (1016)	19 3/4 (502)	66 (1676)	36 (914)	35 (889)	11 (279)	15 1/2 (394)	38 (965)
F-1866MP	62 (1575)	24 (610)	19 1/2 (495)	58 (1473)	20 (508)	19 (483)	14 1/2 (368)	15 1/2 (394)	22 (559)

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	S-8823 REVISED DWG	1/27/10	PM

MODEL	AMPERAGE	NO. POLES	ENCLOSURE PART#	LUG RANGE	WIRE BENDING SPACE		WIRE GUTTERS	
					P(TOP)	R(BOTTOM)	S(LEFT)	T(RIGHT)
ZTE	40-150	2,3	F-1872MP	#8-3/0 (8-85mm <sup>2</sup> )	18 (457)	19 (483)	6 1/2 (165)	8 7/8 (225)
		4					7 1/2 (190)	
	225-400	2	F-1872MP	#4-600 MCM (21-304mm <sup>2</sup> )	14 3/4 (375)	14 5/8 (371)	4 7/8 (124)	7 5/8 (194)
		3					4 5/8 (117)	
		4					2 3/4 (70)	
	600	2,3	F-1852MP	(QTY 2) #2-600 MCM (33-304mm <sup>2</sup> )	18 1/2 (470)	18 (457)	19 3/8 (492)	1 1/8 (29)
4		13 (330)						
800	2,3	F-1852MP	(QTY 4) #2-600 MCM (33-304mm <sup>2</sup> )	18 1/2 (470)	18 (457)	17 1/8 (435)	10 3/4 (273)	
	4					10 3/4 (273)		
ZTED	40 - 80	2	F-1872MP	#8-3/0 (8-85mm <sup>2</sup> )	14 3/4 (375)	14 5/8 (371)	4 7/8 (124)	7 5/8 (194)
		3					4 5/8 (117)	
		4					2 3/4 (70)	
	100-400	2	F-1872MP	#4-600 MCM (21-304mm <sup>2</sup> )	14 3/4 (375)	14 5/8 (371)	4 7/8 (124)	7 5/8 (194)
		3					4 5/8 (117)	
		4					2 3/4 (70)	
600	2,3	F-1852MP	(QTY 2) #2-600 MCM (33-304mm <sup>2</sup> )	18 3/4 (476)	18 1/2 (470)	17 5/8 (448)	2 7/8 (73)	
	4					11 1/4 (286)		
800	2,3	F-1852MP	(QTY 4) #2-600 MCM (33-304mm <sup>2</sup> )	18 3/4 (476)	18 1/2 (470)	15 3/8 (391)	9 (229)	
	4					9 (229)		
ZTECT	100-400	3	F-1866MP	#4-600 MCM (33-304mm <sup>2</sup> )	15 (342)	13 1/2 (385)	6 (152)	4 1/4 (108)
		4					6 (152)	2 1/4 (57)
	600	2,3	F-1852MP	(QTY 2) #2-600 MCM (33-304mm <sup>2</sup> )	18 3/4 (476)	18 1/2 (470)	17 5/8 (448)	2 7/8 (73)
		4					11 1/4 (286)	
800	2,3	F-1852MP	(QTY 4) #2-600 MCM (33-304mm <sup>2</sup> )	18 3/4 (476)	18 1/2 (470)	15 3/8 (391)	9 (229)	
	4					9 (229)		

SIGNATURES		DATE
MODEL	EC	1/15/08
DETAIL		
CHECKED		
ENGRG		
MFG		
QUALITY		
ISSUED		
DRAWING FILE:	90c-1034-c-1.dwg	
MODEL / ASSEMBLY FILE:	ZTE(D/CT) (40-800 AMP)	
# CTQs	⊖	CRITICAL TO QUALITY CHARACTERISTIC

**GE Zenith Controls**

TITLE: ZTE(D/CT) 40-800 AMP DIMENSIONAL DWG. NEMA-1

FIRST MADE FOR: ZTE(D/CT) 40-800 AMP, NEMA-1

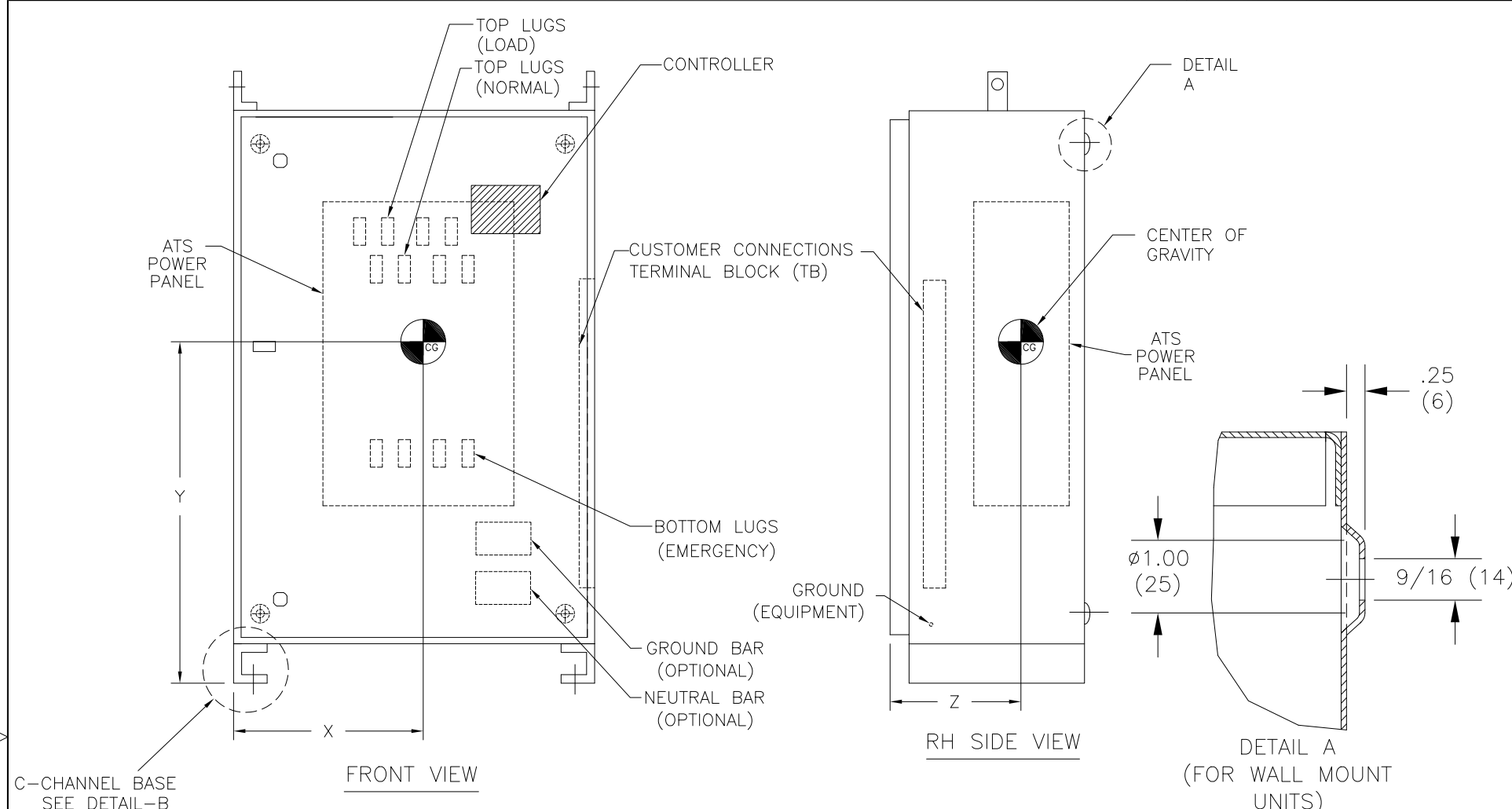
SIZE: B CAGE CODE: DWG NO: 90C-1034

SCALE: N/A SHEET 1 OF 4

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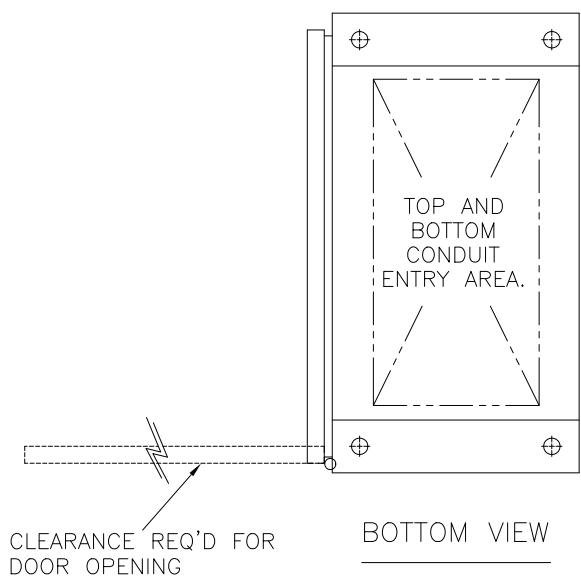
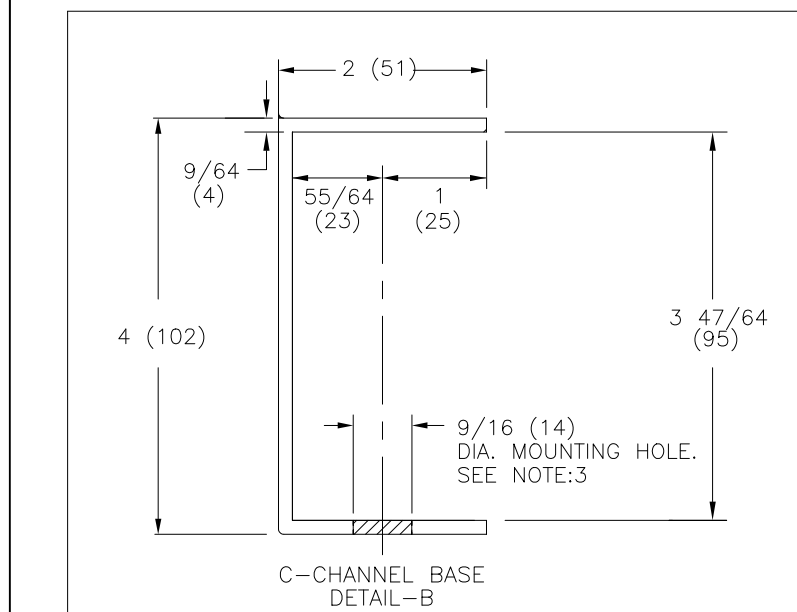


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	S-8823 REVISED DRW	1/27/10	PM

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

MAXIMUM DEFLECTION AT TOP OF GEAR:	dss=0.69 INCHES (18 mm) dfb=0.21 INCHES (5 mm)
QUALIFIED BY:	TIME HISTORY SHAKE TABLE TEST IEEE-693-2005-HIGHx2.5 (64 mm) IBC-2003-300%G
RESONANCE FREQUENCIES:	fss=10.9 Hz ffb=19.5 Hz fv>>33.0 Hz
MAXIMUM REACTION TO ANY BOLT:	Vss=945 LBS (430 KG) SHEAR (DEAD LOAD +/- SEISMIC) Vfb=945 LBS (430 KG) SHEAR Tv=1872 LBS (851 KG) UP Pv=2613 LBS (1188 KG) DOWN

- BOLT ENCLOSURE FROM C-CHANNEL BASE (SEE DETAIL B) OR WALL MOUNT (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 70 FT-LBS. (95 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.
- CENTER OF GRAVITY DIMENSIONS ARE FOR REFERENCE ONLY.
- SWITCH IS DESIGNED FOR BOTH TOP AND BOTTOM CABLE ENTRY. STANDARD SWITCH CONFIGURATION IS FOR TOP LUGS LOAD AND NORMAL AND BOTTOM LUGS EMERGENCY. REFER SHEET 1 TO 3 FOR CABLE BENDING SPACE AND GUTTER SPACE DETAILS.
- SWITCH SUPPLIED WITH STANDARD MECHANICAL LUG. REFER SHEET 1 TO 3 FOR LUG DETAILS
- ALL CONTROL WIRES (18-12 AWG) MUST BE TORQUED TO 19 in-lbs. (2 N-m)
- LUG TORQUE ARE APPLICABLE FOR CU & AL CABLES.
- FOR WORKING CLEARANCE REFER TO NATIONAL AND LOCAL CODES AND STANDARDS.
- NEMA 4(X) AND 12 ENCLOSURE TYPE ATS WILL COME WITH WINDOW KIT (NOT SHOWN).



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
40-225	2,3	120(59)	11.3 (287)	23.2 (589)	10.8 (274)
	4	126(57)			
*100-400	3	125(57)	12.7 (322)	10.9 (277)	43.6 (1107)
	4	146(66)			
260-400	2,3	168(76)	11.6 (295)	23.0 (584)	8.0 (203)
	4	180(82)			
600	3	410(186)	23.5 (557)	34.0 (864)	11.5 (292)
	4	440(200)			
800	3	460(209)	22.0 (559)	35.0 (889)	12.0 (305)
	4	490(223)			

\* FOR ZTSCT 100-400A MODELS ONLY

SIGNATURES		DATE
MODEL	EC	01/15/08
DETAIL		
CHECKED		
ENGRG		
MFG		
QUALITY		
ISSUED		
DRAWING FILE:	90c-1034-c-4.dwg	
MODEL / ASSEMBLY FILE:	ZTE(D/CT) (40-800 AMP)	
# CTQs	CRITICAL TO QUALITY CHARACTERISTIC	

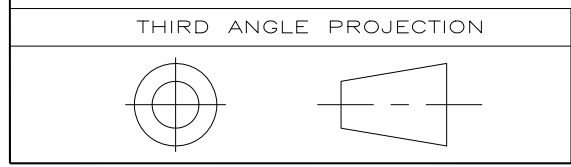
**GE Zenith Controls**

TITLE: ZTE(D/CT) 40-800A INSTALLATION DRAWING

FIRST MADE FOR: FOR NEMA 1, 3R, 4, 4X & 12 ENCLOSURE TYPE

SIZE: B CAGE CODE: DWG NO: 90C-1034

SCALE: N/A SHEET 4 OF 4



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