APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0014

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Eaton

Manufacturer's Technical Representative: Josh Myers

Mailing Address: 221 Heywood Road, Arden, NC 28704

Telephone: (828) 687-3171 Email: JoshuaDMyers@eaton.com

Product Information

Product Name: Automatic Transfer Switches

Product Model Number(s): See attachments

Product Category: Emergency and Standby Power Systems

Product Sub-Category: Automatic Transfer Switches

General Description: Automatic Transfer Switches for emergency power

Mounting Description: Base/Wall Mounted Rigid

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: WE Gundy & Associates, Inc

Contact Person: Travis Soppe

Mailing Address: PO Box 9121, Boise, ID 83707

Telephone: (208) 342-5989 Email: tsoppe@wegai.com

Title: President

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OSP-0014
BY: Mohammad Karim
CALIFORNIA BUILDING CODE, 2022

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: W.E. GUNDY & ASOCIATES INC.

Name: Travis Soppe California License Number: S6115

Mailing Address: P.O. Box 9121, Boise, ID 83707

Telephone: (208) 342-5989 Email: tsoppe@wegai.com

Certification Method

☐ GR-63-Core ☒ ICC-ES AC156 ☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3

☐ Other (Please Specify):

Testing Laboratory

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)

Contact Person: Tom Boonarkat

Mailing Address: 7800 Highway 20 West, Huntsville AL 35806

Telephone: (256) 837-4411 Email: Tom.Boonarkat@nts.com

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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal	(A Flx-H), g=	3.44	(A Rig-H), g=	2.32
Vertical	(A Flx-V), g=	1.44	(A Rig-V), g=	0.58

S_{DS} (Design spectral response acceleration at short period, g) = 2.15

Hf (Force amplification height factor) = 1 @ z/h = 0; 3.5 @ z/h = 1

Ru (Structure ductility redution factor) = 1 @ z/h = 0; 1.3 @ z/h = 1

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAI Approval (For Office Use Only) - Approval Expires on 04/09/2032

Date: 4/9/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable):

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TABLE 1	EATON WALL MOUNTED AUTOMATIC TRANSFER SWITCH SEISMIC CERTIFIED PRODUCT LINE MATRIX							
Identification	**Rating[1]**		**NEMA Rating[2]**	**Dimensions (in)**			**Weight (lbs)**	**UUT[3]**
	Amperes	**Voltage**		**Width**	**Depth**	**Height**		
Wall Mounted Automatic Transfer Switches								
MBH	100-150	480	1 / 3R	23.0	12.0	24.0	130	Interpolated
ATH/N**/M**	30-225	240	1 / 3R	20.1	13.3	35.6	150	Interpolated
ATC1C2X30100XRU	**100**	**480**	**3R**	**19.0**	**13.5**	**39.0**	**154**	**UUT_y-13**
ATC/N**	40-100	600	1 / 3R	18.3	13.3	38.7	164	Interpolated
ATC/N**	150-200	480	1 / 3R	18.3	13.3	38.7	164	Interpolated
ATHIFDA20150WSU	**150**	**240**	**1**	**22.0**	**17.3**	**48.0**	**188**	**UUT_y-16**
CTC	40-100	600	1 / 3R	25.0	17.2	52.7	210	Interpolated
CTC	150-200	480	1 / 3R	25.0	17.2	52.7	210	Interpolated
ATC3C5C30200XSU	**100**	**480**	**1**	**19.8**	**16.8**	**52.0**	**238**	**UUT_x-2**
ATH/N**/M**	30-225	480	1 / 3R	20.8	17.2	47.7	240	Interpolated
ATC/N**	100-200	600	1 / 3R	18.8	13.8	48.7	260	Interpolated
ATC/N**	225-400	480	1 / 3R	18.8	13.8	48.7	260	Interpolated
MBH	150-300	480	1 / 3R	40.0	20.0	37.0	300	Interpolated
ATV/N**/M**	150-300	480	1 / 3R	20.8	18.4	56.0	305	Interpolated
MBH	400-600	480	1 / 3R	40.0	20.0	37.0	330	Interpolated
CTC8C3X30400XSU	**400**	**480**	**1**	**30.0**	**24.0**	**60.0**	**378**	**UUT_w-10**
CTC	100-200	600	1 / 3R	33.6	14.7	71.0	420	Interpolated
CTC	225-400	480	1 / 3R	33.6	14.7	71.0	420	Interpolated
ATV/N**/M**	400	480	1 / 3R	25.8	18.4	53.0	425	Interpolated
ATC/N**	600-1200	480	1 / 3R	25.3	22.5	79.4	444	Interpolated
ATV/N**/M**	600	600	1 / 3R	25.8	18.4	64.0	444	Interpolated
MBH	600-1000	480	1 / 3R	40.0	20.0	51.0	444	Interpolated
ATV/N**/M**	800-1000	600	1 / 3R	25.8	19.5	76.7	444	Interpolated
ATV3NBA31000ESU	**1000**	**600**	**1**	**26.5**	**18.0**	**77.3**	**444**	**UUT_y-17**

General Notes:

[1] All transfer switches are constructed with copper bus.

[2] All enclosures are constructed of carbon steel

[3] Subscript indicates the test report in which the units were qualified:
w - 58271R11-6 / x - PR072323-TR-18 / y - 70461R12

ATC - Contactor

CTC - Closed transition Contactor

ATH, ATV and MBH - Wall - MCCB ATS

N** - Non Automatic version

M** - Manual version

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TABLE 2	EATON FLOOR MOUNTED AUTOMATIC TRANSFER SWITCH SEISMIC CERTIFIED PRODUCT LINE MATRIX								
Identification	**Rating[1]**		**NEMA Rating[2]**	**Dimensions (in)**			**COG (in)**	**Weight (lbs)**	**UUT[3]**
	Amperes	**Voltage**		**Width**	**Depth**	**Height**			
Floor Mounted Automatic Transfer Switches									
ATC/N**	1600	480	1 / 3R	46.00	29.00	90.00	43.4	600	Extrapolated
ATC/N**	1600	480	1 / 3R	46.00	48.00	90.00	46.4	600	Extrapolated
BIC	100-200	600	1 / 3R	30.00	29.30	78.00	39.8	625	Extrapolated
BIC	100-400	480	1 / 3R	30.00	29.30	78.00	39.8	625	Extrapolated
CBC	100-200	600	1 / 3R	30.00	29.30	78.00	39.8	625	Extrapolated
CBC	100-400	480	1 / 3R	30.00	29.30	78.00	39.8	625	Extrapolated
BIC	100-400	480	1 / 3R	30.00	47.60	78.00	39.8	834	Extrapolated
CBC	100-400	600	1 / 3R	30.00	47.60	78.00	39.8	834	Extrapolated
BIC3C3X30400XSU	**400**	**480**	**1**	**30.75**	**31.25**	**78.50**	**38.6**	**885**	**UUT_y-19**
ATC	2000-3000	600	1 / 3R	40.00	40.00	90.00	45.5	1080	Interpolated
CTC	2000-3000	600	1 / 3R	40.00	40.00	90.00	45.5	1080	Interpolated
CTC8C3X31200ERU	**1200**	**600**	**3R**	**46.25**	**48.50**	**91.50**	**48.5**	**1090**	**UUT_y-18**
ATVIMGA32000ESU	**2000**	**600**	**1**	**33.00**	**51.75**	**91.00**	**47.0**	**1221**	**UUT_y-14**
ATV-fixed/N**	200-2000	600	1 / 3R	32.00	48.00	90.00	**45.7**	1250	Interpolated
CTV-fixed	200-2000	600	1 / 3R	32.00	48.00	90.00	**45.7**	1250	Interpolated
BIC	100-200	600	1 / 3R	46.00	38.00	90.00	38.5	1362	Interpolated
BIC	100-400	600	1 / 3R	46.00	38.00	90.00	38.5	1362	Interpolated
BIC	100-200	600	1 / 3R	46.00	38.00	90.00	38.5	1362	Interpolated
CBC	100-200	600	1 / 3R	46.00	38.00	90.00	38.5	1362	Interpolated
CBC	100-400	480	1 / 3R	46.00	38.00	90.00	38.5	1362	Interpolated
ATC9C5C31600XRU	**1600**	**480**	**3R**	**40.38**	**66.50**	**91.00**	**54.7**	**1480**	**UUT_z-2**
ATV-fixed/N**	200-2000	600	1 / 3R	38.00	63.00	90.00	47.0	1730	Interpolated
CTV-fixed	200-2000	600	1 / 3R	38.00	63.00	90.00	47.0	1730	Interpolated
BIC	1600	480	1 / 3R	46.00	40.00	90.00	45.5	1750	Interpolated
CBC	1600	480	1 / 3R	46.00	40.00	90.00	45.5	1750	Interpolated
BIC	600-1200	600	1 / 3R	46.00	47.60	90.00	44.4	1755	Interpolated
CBC	225-1200	600	1 / 3R	46.00	47.60	90.00	44.4	1780	Interpolated
CBC8C3E31200ERU	**1200**	**600**	**3R**	**45.50**	**48.25**	**91.25**	**44.4**	**1780**	**UUT_y-20**
BIC	600-1200	600	1 / 3R	46.00	47.60	90.00	43.3	1905	Interpolated

General Notes:

[1] All transfer switches are constructed with copper bus.

[2] All enclosures are constructed of carbon steel

[3] Subscript indicates the test report in which the units were qualified:
x - PR072323-TR-18 / y - 70461R12 / z - PR087462-01TR

ATC - Contactor

CTC - Closed transition Contactor

BIC - Contactor Bypass Isolation Switch

CBC - Closed Transistion Contactor Bypass Switch

ATV and CTV-Floor Mount - Magnum ATS open and closed transition

BIV and CBV - Magnum Bypass Isolation open and closed transition

N** - Non Automatic version

M** - Manual version

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OSP-0014
BY: Mohammad Karim
DATE: 04/09/2026
CALIFORNIA BUILDING CODE

TABLE 2

EATON FLOOR MOUNTED AUTOMATIC TRANSFER SWITCH SEISMIC CERTIFIED PRODUCT LINE MATRIX

WEGAI
W.E. GUNDY & ASSOCIATES, INC.
STRUCTURAL & EARTHQUAKE ENGINEERING

Identification	Rating[1]		NEMA Rating[2]	Dimensions (in)			COG (in)	Weight (lbs)	UUT[3]
	Amperes	Voltage		Width	Depth	Height			
CBC	600-1200	600	1 / 3R	46.00	47.60	90.00	43.3	1905	Interpolated
ATV-drawout/N**	200-2000	600	1 / 3R	38.00	78.00	90.00	46.5	1970	Interpolated
CTV-drawout	200-2000	600	1 / 3R	38.00	78.00	90.00	46.5	1970	Interpolated
ATV-drawout/N**	200-2000	600	1 / 3R	38.00	63.00	90.00	47.0	1980	Interpolated
CTV-drawout	200-2000	600	1 / 3R	38.00	63.00	90.00	47.0	1980	Interpolated
ATV-fixed/N**	2500-3200	600	1 / 3R	44.00	48.00	90.00	46.5	2000	Interpolated
CTV-fixed	2500-3200	600	1 / 3R	44.00	48.00	90.00	46.5	2000	Interpolated
ATV-drawout/N**	2500-3200	600	1 / 3R	50.00	79.00	90.00	47.0	2230	Interpolated
CTV-drawout	2500-3200	600	1 / 3R	50.00	79.00	90.00	47.0	2230	Interpolated
ATV-fixed/N**	2500-3200	600	1 / 3R	44.00	63.00	90.00	46.5	2282	Interpolated
CTV-fixed	2500-3200	600	1 / 3R	44.00	63.00	90.00	46.5	2282	Interpolated
BIC9G5X33000ESU	**3000**	**600**	**1**	**44.00**	**60.00**	**90.00**	**47.0**	**2751**	**UUT_x-3**
ATV-drawout/N**	2500-3200	600	1 / 3R	44.00	60.00	90.00	47.0	2800	Interpolated
CTV-drawout	2500-3200	600	1 / 3R	44.00	60.00	90.00	47.0	2800	Interpolated
BIV	200-2000	600	1 / 3R	64.00	60.00	90.00	44.5	3700	Interpolated
CBV	200-2000	600	1 / 3R	64.00	60.00	90.00	44.5	3700	Interpolated
BIV	200-2000	600	1 / 3R	64.00	75.00	90.00	47.0	4182	Interpolated
CBV	200-2000	600	1 / 3R	64.00	75.00	90.00	47.0	4182	Interpolated
BIV	2500-3200	600	1 / 3R	71.25	63.40	91.00	44.5	4575	Interpolated
CBV	2500-3200	600	1 / 3R	71.25	63.40	91.00	44.5	4575	Interpolated
BIV	2500-3200	600	1 / 3R	71.25	79.75	91.00	47.0	4775	Interpolated
CBV	2500-3200	600	1 / 3R	71.25	79.75	91.00	47.0	4775	Interpolated
CBVIMGE33200ERU	**3200**	**600**	**3R**	**71.25**	**79.75**	**91.00**	**47.0**	**4775**	**UUT_y-15**

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BY: Mohammad Karim
DATE: 04/09/2026
OF CALIFORNIA BUILDING CODE, 2025

General Notes:

[1] All transfer switches are constructed with copper bus.

[2] All enclosures are constructed of carbon steel

[3] Subscript indicates the test report in which the units were qualified:
x - PR072323-TR-18 / y - 70461R12 / z - PR087462-01TR

ATC - Contactor

CTC - Closed transition Contactor

BIC - Contactor Bypass Isolation Switch

CBC - Closed Transistion Contactor Bypass Switch

ATV and CTV-Floor Mount - Magnum ATS open and closed transition

BIV and CBV - Magnum Bypass Isolation open and closed transition

N** - Non Automatic version

M** - Manual version

TABLE 3	EATON WALL MOUNTED AUTOMATIC TRANSFER SWITCH CERTIFIED SUBCOMPONENTS TABLE		WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING
ID/Catalog Number	Description	Weight (lbs)	UUT [1]
Eaton Molded Case Circuit Breakers (MCCB)			
F - 6639C01G01	**F-Frame MCCB - 150A**	**4.5**	**UUT_y-16**
F-Frame	F-Frame MCCB - 30A-225A	3.0 - 6.0	Interpolated
J - JGS316032GB2S2	**J-Frame MCCB - 160A**	**6**	**UUT_x-2**
K-Frame	K-Frame MCCB - 225A-300A	10.0 - 13.0	Interpolated
L-Frame	L-Frame MCCB - 400A-600A	18.0 - 25.0	Interpolated
M-Frame	M-Frame MCCB - 600A-800A	26.5 - 30.0	Interpolated
N-Frame	N-Frame MCCB - 600A-1000A	37.0 - 48.0	Interpolated
N - 2610D83G04	**N-Frame MCCB - 1000A**	**48**	**UUT_y-17**
Eaton Contactors			
A - 67C5239G02	**A-Frame Contactor - 100A, 480V, 3 Pole, Fixed**	**15**	**UUT_x-2, UUT_y-13**
A-Frame	A-Frame Contactor - 100A, 480V, 2/3/4 Pole, Fixed	8.6 - 20.8	Interpolated
B-Frame	B-Frame Contactor - 100A, 480V, 2/3/4 Pole, Fixed	11.3 - 29.3	Interpolated
B-Frame	B-Frame Contactor - 200A-260A,, 2/3/4 Pole Fixed	11.3 - 29.3	Interpolated
C-Frame	C-Frame Contactor - 200A,480/600V,, 2/3/4 Pole Fixed/Draw-ou	23.9 - 43.0	Interpolated
C-Frame	C-Frame Contactor - 400A, 480V, 2/3/4 Pole Fixed/Draw-out	23.9 - 43.0	Interpolated
C - 69C2990G08	**C-Frame Contactor - 400A, 480V, 3 Pole Fixed**	**43**	**UUT_w-10**
Eaton Controllers			
6D32377G03	**ATC100, 120V**	**4.5**	**UUT_y-13**
6D32360G42	**ATC300+, 120V**	**4.5**	**UUT_y-17**
2D78580G50	**ATC600, 120V**	**4.0**	**UUT_y-16**
2D78580G60	**ATC800, 120V**	**4.0**	**UUT_w-10**
6D32428G01	**ATC900, 120V**	**2.9**	**UUT_x-2**

General Notes:

[1] Subscript indicates the test report in which the units were qualified:
w - 58271R11-6 / x - PR072323-TR-18 / y - 70461R12

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BY: Mohammad Karim
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CALIFORNIA BUILDING CODE, 2025

TABLE 4	EATON FLOOR MOUNTED AUTOMATIC TRANSFER SWITCH CERTIFIED SUBCOMPONENTS TABLE		WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING
ID/Catalog Number	Description	Weight (lbs)	UUT [1]
Eaton Power Circuit Breakers - Magnum DS			
MDS808	800A, 600V, Fixed/Draw-Out	245	Extrapolated
MDS812	1200A, 600V, Fixed/Draw-Out	245	Extrapolated
MDS816	1600A, 600V, Fixed/Draw-Out	245	Extrapolated
MDS8203VEA	**2000A, 600V, Fixed**	**273**	**UUT_y-14**
MDS820	2000A, 600V, Fixed/Draw-Out	273	Interpolated
MDS825	2500A, 600V, Fixed/Draw-Out	273	Interpolated
MDS830	3000A, 600V, Fixed/Draw-Out	273	Interpolated
MDS832	3200A, 600V, Fixed/Draw-Out	273	Interpolated
MDS8323WEA	**3200A, 600V, Draw-Out**	**273**	**UUT_y-15**
Eaton Molded Case Circuit Breakers (MCCB)			
R - 69D8093H06	**R-Frame MCCB - 1200A-1600A**	**102**	**UUT_z-2**
Eaton Contactors			
A-Frame	A-Frame Contactor - 100A, 480V, 2/3/4 Pole, Fixed	8.6 - 20.8	Extrapolated
B-Frame	B-Frame Contactor - 100A, 480V, 2/3/4 Pole, Fixed	11.3 - 29.3	Extrapolated
B-Frame	B-Frame Contactor - 200A-260A,, 2/3/4 Pole Fixed	11.3 - 29.3	Extrapolated
C-Frame	C-Frame Contactor - 200A,480/600V,, 2/3/4 Pole Fixed/Draw-out	23.9 - 65.0	Extrapolated
C-Frame	C-Frame Contactor - 400A, 480V, 2/3/4 Pole Fixed/Draw-out	23.9 - 65.0	Extrapolated
C - 69C2990G08	**C-Frame Contactor - 400A, 480V, 3 Pole Fixed**	**43**	**UUT_y-19**
C - 69C2990G05	**C-Frame Contactor - 400A, 480V, 3 Pole Draw-out**	**65**	**UUT_y-19**
E-Frame	E-Frame Contactor - 600A-1600A, 480, 2/3/4 Pole Fixed/Draw-out	68 - 225	Interpolated
E - 66A8167G02	**E-Frame Contactor - 1600A, 480, 3 Pole Fixed/Draw-out**	**225**	**UUT_z-2**
D - 67C5241	**D-Frame Contactor - 1200A, 600V, 3 Pole Fixed**	**186**	**UUT_y-18**
D - 68C8259G04	**D-Frame Contactor - 1200A, 600V, 3 Pole Draw-out**	**225**	**UUT_y-18, UUT_y-20**
F - 66A8206G23	**F-Frame Contactor - 3000A, 600V, 2/3/4 Pole Draw-out**	**195 - 255**	**UUT_x-3**
Eaton Controllers			
6D32377G03	**ATC100, 120V**	**4.5**	**UUT_y-19**
6D32360G42	**ATC300+, 120V**	**4.5**	**UUT_y-19**
2D78580G50	**ATC600, 120V**	**4.0**	**UUT_y-14**
2D78580G60	**ATC800, 120V**	**4.0**	**UUT_y-15, UUT_y-18, UUT_y-20**
6D32428G01	ATC900, 120V	2.9	Extrapolated

General Notes:

[1] Subscript indicates the test report in which the units were qualified:
x - PR072323-TR-18 / y - 70461R12 / z - PR087462-01TR

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BY: Mohammad Kelani
DATE: 04/09/2026
FOR USE WITH 2025 FLORIDA BUILDING CODE

UUT_x-2	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid wall mounted with (4) 3/8" grade 5 bolts.



Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** December 14-15, 2017
Component: ATC3C5C30200XSU	**Report Number:** PR072323-TR-18
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Wall mounted 100A ATS with carbon steel NEMA 1 enclosure, copper bus, Frame A contactor (67C5239G02), Frame J MCCB (JGS316032GB2S2), and Controller ATC 900 (6D32428G01)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
238	19.8	16.8	52.0	N/A	N/A	N/A

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.50	1.0	3.5	1.30	1.5	4.00	2.69	-	-
	2.50	0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT_x-3	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (12) 5/8" grade 5 bolts.



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Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** December 14-15, 2017
Component: BIC9G5X33000ESU	**Report Number:** PR072323-TR-18
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Floor mounted 3000A ATS with carbon steel NEMA 1 enclosure, copper bus, and Frame F contactor (66A8206G23)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2751	44.0	60.0	90.0	10.9	6.3	>33

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.50	1.0	3.5	1.30	1.5	4.00	2.69	-	-
	2.50	0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT_z-2	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (12) 5/8" grade 5 bolts.



REVIEWED FOR CODE COMPLIANCE
HCAi
OSP-0014
BY: Mohammad Karim
DATE: 04/09/2026
CALIFORNIA BUILDING CODE 2025

Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** October 1, 2018
Component: ATC9C5C31600XRU	**Report Number:** PR087462-01TR
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Floor mounted 1600A ATS with carbon steel NEMA 3R enclosure, copper bus, Frame E contactor (66A8167G02), Frame R MCCB (69D8093H06), Controller ATC 900 (6D32428G01)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1480	40.4	66.5	91.0	13.5	6.0	>33

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.15	0	1.0	1.00	1.5	-	-	1.44	0.58

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUTy-13	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid wall mounted with (4) 3/8" grade 5 bolts.



REVIEWED FOR CODE COMPLIANCE
HCAI
OSP-0014
BY: Mohammad Karim
DATE: 04/09/2026
CALIFORNIA BUILDING CODE 2025

Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** September 17-19, 2012
Component: ATC1C2X30100XRU	**Report Number:** 70461R12
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Wall mounted 100A ATS with carbon steel NEMA Type 3R enclosure, copper bus, Frame A contactor 100A (67C5239G02), ATC 100 Controller (6D32377G03)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
154	19.0	13.5	39.0	N/A	N/A	N/A

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.15	0	1.0	1.00	1.5	-	-	1.44	0.58

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUTy-14	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (8) 1/2" grade 5 bolts.



Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** September 17-19, 2012
Component: ATVIMGA32000ESU	**Report Number:** 70461R12
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Floor mounted 2000A ATS with carbon steel NEMA Type 1 enclosure, copper bus, Magnum 2000A Breaker (MDS8203VEA), Controller ATC600 (2D7858G50)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1221	33.0	51.8	91.0	6.8	7.5	33.0

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.15	0	1.0	1.00	1.5	-	-	1.44	0.58

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUTy-15	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (12) 1/2" grade 5 bolts.



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HCAi
OSP-0014
BY: Mohammad.Karim
DATE: 04/09/2026
CALIFORNIA BUILDING CODE, 2025

Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** September 17-19, 2012
Component: CBVIMGE33200ERU	**Report Number:** 70461R12
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Floor mounted 3200A ATS with carbon steel NEMA 3R enclosure, copper bus, Magnum 2000A Breaker (MDS8203VEA), Controller ATC600 (2D7858G50)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
4775	71.3	79.8	91.0	8.2	5.0	25.0

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.15	0	1.0	1.00	1.5	-	-	1.44	0.58

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUTy-16	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid wall mounted with (4) 3/8" grade 5 bolts.



REVIEWED FOR CODE COMPLIANCE
HCAI
OSP-0014
BY: Mohammad Karim
DATE: 04/09/2026
CALIFORNIA BUILDING CODE 2025

Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** September 17-19, 2012
Component: ATHIFDA20150WSU	**Report Number:** 70461R12
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Wall mounted 150A ATS with carbon steel NEMA 1 enclosure, copper bus, Molded Case Breaker F Frame 150A (6639C01G01), Controller ATC 600 (2D78580G50)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
188	22.0	17.3	48.0	N/A	N/A	N/A

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.15	0	1.0	1.00	1.5	-	-	1.44	0.58

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUTy-17	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid wall mounted with (4) 3/8" grade 5 bolts.



REVIEWED FOR CODE COMPLIANCE
HCAI
OSP-0014
BY: Mohammad Karim
DATE: 04/09/2026
CALIFORNIA BUILDING CODE 2025

Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** September 17-19, 2012
Component: ATV3NBA31000ESU	**Report Number:** 70461R12
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Wall mounted 1000A ATS with carbon steel NEMA 1 enclosure, copper bus, Molded Case Breaker N Frame (2610D83G04), Controller ATC 300+ (6D32360G42)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
444	26.5	18.0	77.3	N/A	N/A	N/A

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.15	0	1.0	1.00	1.5	-	-	1.44	0.58

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUTy-18	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (10) 1/2" grade 5 bolts.



REVIEWED FOR CODE COMPLIANCE
HCAi
OSP-0014
BY: Mohammad Karim
DATE: 04/09/2026
CALIFORNIA BUILDING CODE 2025

Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** September 17-19, 2012
Component: CTC8C3X31200ERU	**Report Number:** 70461R12
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Floor mounted 1200A ATS with carbon steel NEMA 3R enclosure, copper bus with Frame D Contactors 1200A (67C5241, 68C8259G04), Controller ATC 800 (2D78580G70)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1090	46.3	48.5	91.5	8.0	6.1	31.0

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.15	0	1.0	1.00	1.5	-	-	1.44	0.58

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUTy-19	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (8) 1/2" grade 5 bolts.



Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** September 17-19, 2012
Component: BIC3C3X30400XSU	**Report Number:** 70461R12
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Floor mounted 400A ATS with carbon steel NEMA 1 enclosure, copper bus, Frame C Contactors 400A (69C2990G08, 69C2990G05), Controller ATC 300+ (6D32360G42), Controller ATC 100 (6D32377G03)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
885	30.8	31.3	78.5	9.7	9.5	64.0

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.15	0	1.0	1.00	1.5	-	-	1.44	0.58

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT$_y$-20	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid floor mounted with (8) 1/2" grade 5 bolts.



REVIEWED FOR CODE COMPLIANCE
CALIFORNIA BUILDING CODE, 2025
OSP-0014
BY: Mohammad Karim
DATE: 04/09/2026

Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** September 17-19, 2012
Component: CBC8C3E31200ERU	**Report Number:** 70461R12
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Floor mounted 1200A ATS with carbon steel NEMA 1 enclosure, copper bus, Frame D Contactor 1200A (68C8259G04), Controller ATC 800 (2D78580G70)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1780	45.5	48.3	91.3	8.3	6.4	9.1

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.15	0	1.0	1.00	1.5	-	-	1.44	0.58

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT_w-10	UNIT UNDER TEST (UUT) SUMMARY SHEET	WEGAI W.E. Gundy & Associates, Inc. Structural & Earthquake Engineering

Mounting Details: Rigid wall mounted with (4) 1/2" grade 5 bolts.



Manufacturer: Eaton	**Test Location:** Wyle Lab, Huntsville AL
Product Line: Automatic Transfer Switch (ATS)	**Test Date:** February 21-25, 2011
Component: CTC8C3X30400XSU	**Report Number:** 58271R11-6
UUT Function: Automatic transfer switching, of electrical load to backup system	
UUT Description: Wall mounted 400A ATS with carbon steel NEMA 1 enclosure, copper bus, Frame C Contactor 400A (69C2990G08), Controller ATC 800 (2D78580G60)	

UUT PROPERTIES

Weight (lbs)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
378	30.0	24.0	60.0	NA	NA	NA

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z / h	H_f	R_μ	I_P	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.15	1.0	3.5	1.30	1.5	3.44	2.32	-	-
	2.50	0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.