



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

**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



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

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

Company Name: W.E. GUNDY & ASSOCIATES 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): \_\_\_\_\_

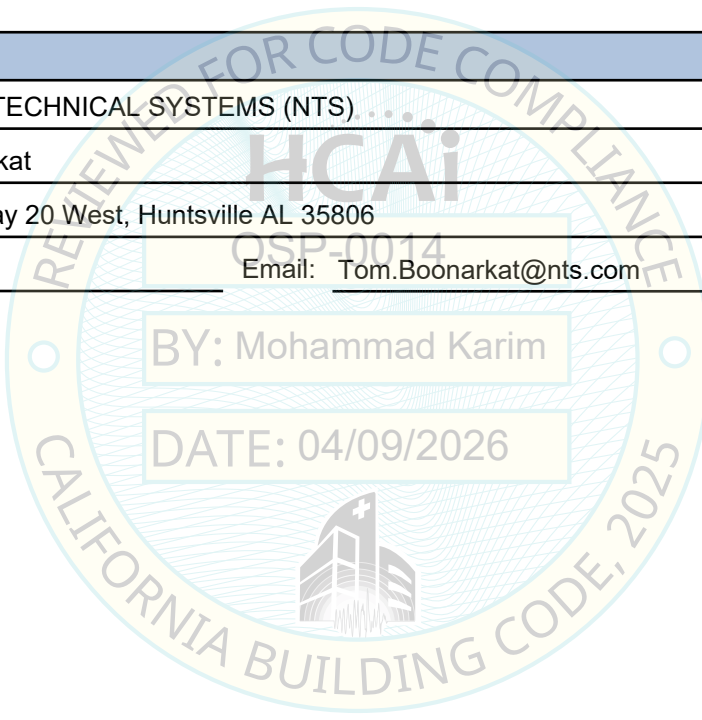
**Testing Laboratory**

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),  $g = \underline{3.44}$  (A Rig-H),  $g = \underline{2.32}$

Vertical (A Flx-V),  $g = \underline{1.44}$  (A Rig-V),  $g = \underline{0.58}$

SDS (Design spectral response acceleration at short period,  $g$ ) = 2.15

H<sub>f</sub> (Force amplification height factor) = 1 @ z/h = 0; 3.5 @ z/h = 1

R<sub>u</sub> (Structure ductility reduction factor) = 1 @ z/h = 0; 1.3 @ z/h = 1

I<sub>p</sub> (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

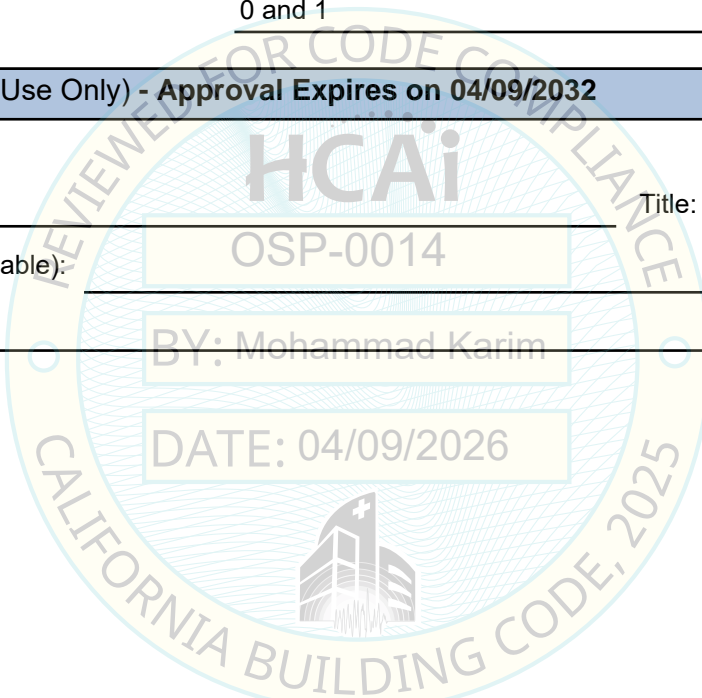
Title: Supervisor, Health Facilities

Condition of Approval (if applicable):

OSP-0014

BY: Mohammad Karim

DATE: 04/09/2026



<b>TABLE 1</b>	<b>EATON WALL MOUNTED AUTOMATIC TRANSFER SWITCH SEISMIC CERTIFIED PRODUCT LINE MATRIX</b>	 <b>WEGAI</b> <small>W.E. GUNDY &amp; ASSOCIATES, INC. STRUCTURAL &amp; EARTHQUAKE ENGINEERING</small>
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Identification	Rating <sup>1</sup>		NEMA Rating <sup>2</sup>	Dimensions (in)			Weight (lbs)	UUT <sup>3</sup>
	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
<b>ATC1C2X30100XRU</b>	<b>100</b>	<b>480</b>	<b>3R</b>	<b>19.0</b>	<b>13.5</b>	<b>39.0</b>	<b>154</b>	<b>UUT<sub>y</sub>-13</b>
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
<b>ATHIFDA20150WSU</b>	<b>150</b>	<b>240</b>	<b>1</b>	<b>22.0</b>	<b>17.3</b>	<b>48.0</b>	<b>188</b>	<b>UUT<sub>y</sub>-16</b>
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
<b>ATC3C5C30200XSU</b>	<b>100</b>	<b>480</b>	<b>1</b>	<b>19.8</b>	<b>16.8</b>	<b>52.0</b>	<b>238</b>	<b>UUT<sub>x</sub>-2</b>
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
<b>CTC8C3X30400XSU</b>	<b>400</b>	<b>480</b>	<b>1</b>	<b>30.0</b>	<b>24.0</b>	<b>60.0</b>	<b>378</b>	<b>UUT<sub>w</sub>-10</b>
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
<b>ATV3NBA31000ESU</b>	<b>1000</b>	<b>600</b>	<b>1</b>	<b>26.5</b>	<b>18.0</b>	<b>77.3</b>	<b>444</b>	<b>UUT<sub>y</sub>-17</b>

**General Notes:**

<sup>1</sup> All transfer switches are constructed with copper bus.

<sup>2</sup> All enclosures are constructed of carbon steel

<sup>3</sup> 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

**TABLE 2**

**EATON FLOOR MOUNTED  
AUTOMATIC TRANSFER SWITCH  
SEISMIC CERTIFIED PRODUCT LINE MATRIX**



Identification	Rating <sup>1</sup>		NEMA Rating <sup>2</sup>	Dimensions (in)			COG (in)	Weight (lbs)	UUT <sup>3</sup>
	Amperes	Voltage		Width	Depth	Height			
<b>Floor Mounted Automatic Transfer Switches</b>									
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
<b>BIC3C3X30400XSU</b>	<b>400</b>	<b>480</b>	<b>1</b>	<b>30.75</b>	<b>31.25</b>	<b>78.50</b>	<b>38.6</b>	<b>885</b>	<b>UUT<sub>y</sub>-19</b>
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
<b>CTC8C3X31200ERU</b>	<b>1200</b>	<b>600</b>	<b>3R</b>	<b>46.25</b>	<b>48.50</b>	<b>91.50</b>	<b>48.5</b>	<b>1090</b>	<b>UUT<sub>y</sub>-18</b>
<b>ATVIMGA32000ESU</b>	<b>2000</b>	<b>600</b>	<b>1-00</b>	<b>33.00</b>	<b>51.75</b>	<b>91.00</b>	<b>47.0</b>	<b>1221</b>	<b>UUT<sub>y</sub>-14</b>
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
<b>ATC9C5C31600XRU</b>	<b>1600</b>	<b>480</b>	<b>3R</b>	<b>40.38</b>	<b>66.50</b>	<b>91.00</b>	<b>54.7</b>	<b>1480</b>	<b>UUT<sub>z</sub>-2</b>
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
<b>CBC8C3E31200ERU</b>	<b>1200</b>	<b>600</b>	<b>3R</b>	<b>45.50</b>	<b>48.25</b>	<b>91.25</b>	<b>44.4</b>	<b>1780</b>	<b>UUT<sub>y</sub>-20</b>
BIC	600-1200	600	1 / 3R	46.00	47.60	90.00	43.3	1905	Interpolated

**General Notes:**

<sup>1</sup> All transfer switches are constructed with copper bus.

<sup>2</sup> All enclosures are constructed of carbon steel

<sup>3</sup> 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 Transition 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 2**

**EATON FLOOR MOUNTED  
AUTOMATIC TRANSFER SWITCH  
SEISMIC CERTIFIED PRODUCT LINE MATRIX**



Identification	Rating <sup>1</sup>		NEMA Rating <sup>2</sup>	Dimensions (in)			COG (in)	Weight (lbs)	UUT <sup>3</sup>
	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
<b>BIC9G5X33000ESU</b>	<b>3000</b>	<b>600</b>	<b>1</b>	<b>44.00</b>	<b>60.00</b>	<b>90.00</b>	<b>47.0</b>	<b>2751</b>	<b>UUT<sub>x</sub>-3</b>
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
<b>CBVIMGE33200ERU</b>	<b>3200</b>	<b>600</b>	<b>3R</b>	<b>71.25</b>	<b>79.75</b>	<b>91.00</b>	<b>47.0</b>	<b>4775</b>	<b>UUT<sub>y</sub>-15</b>

**General Notes:**

<sup>1</sup> All transfer switches are constructed with copper bus.

<sup>2</sup> All enclosures are constructed of carbon steel

<sup>3</sup> 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 Transition 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		 W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING
ID/Catalog Number	Description	Weight (lbs)	UUT <sup>1</sup>
<b>Eaton Molded Case Circuit Breakers (MCCB)</b>			
<b>F - 6639C01G01</b>	<b>F-Frame MCCB - 150A</b>	<b>4.5</b>	<b>UUT<sub>y</sub>-16</b>
F-Frame	F-Frame MCCB - 30A-225A	3.0 - 6.0	Interpolated
<b>J - JGS316032GB2S2</b>	<b>J-Frame MCCB - 160A</b>	<b>6</b>	<b>UUT<sub>x</sub>-2</b>
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
<b>N - 2610D83G04</b>	<b>N-Frame MCCB - 1000A</b>	<b>48</b>	<b>UUT<sub>y</sub>-17</b>
<b>Eaton Contactors</b>			
<b>A - 67C5239G02</b>	<b>A-Frame Contactor - 100A, 480V, 3 Pole, Fixed</b>	<b>15</b>	<b>UUT<sub>x</sub>-2, UUT<sub>y</sub>-13</b>
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
<b>C - 69C2990G08</b>	<b>C-Frame Contactor - 400A, 480V, 3 Pole Fixed</b>	<b>43</b>	<b>UUT<sub>w</sub>-10</b>
<b>Eaton Controllers</b>			
<b>6D32377G03</b>	<b>ATC100, 120V</b>	<b>4.5</b>	<b>UUT<sub>y</sub>-13</b>
<b>6D32360G42</b>	<b>ATC300+, 120V</b>	<b>4.5</b>	<b>UUT<sub>y</sub>-17</b>
<b>2D78580G50</b>	<b>ATC600, 120V</b>	<b>4.0</b>	<b>UUT<sub>y</sub>-16</b>
<b>2D78580G60</b>	<b>ATC800, 120V</b>	<b>4.0</b>	<b>UUT<sub>w</sub>-10</b>
<b>6D32428G01</b>	<b>ATC900, 120V</b>	<b>2.9</b>	<b>UUT<sub>x</sub>-2</b>
<b>General Notes:</b>			
<sup>1</sup> Subscript indicates the test report in which the units were qualified: w - 58271R11-6 / x - PR072323-TR-18 / y - 70461R12			

TABLE 4	EATON FLOOR MOUNTED AUTOMATIC TRANSFER SWITCH CERTIFIED SUBCOMPONENTS TABLE		 W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING
ID/Catalog Number	Description	Weight (lbs)	UUT <sup>1</sup>
<b>Eaton Power Circuit Breakers - Magnum DS</b>			
MDS808	800A, 600V, Fixed/Draw-Out	245	Extrapolated
MDS812	1200A, 600V, Fixed/Draw-Out	245	Extrapolated
MDS816	1600A, 600V, Fixed/Draw-Out	245	Extrapolated
<b>MDS8203VEA</b>	<b>2000A, 600V, Fixed</b>	<b>273</b>	<b>UUT<sub>y</sub>-14</b>
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
<b>MDS8323WEA</b>	<b>3200A, 600V, Draw-Out</b>	<b>273</b>	<b>UUT<sub>y</sub>-15</b>
<b>Eaton Molded Case Circuit Breakers (MCCB)</b>			
<b>R - 69D8093H06</b>	<b>R-Frame MCCB - 1200A-1600A</b>	<b>102</b>	<b>UUT<sub>z</sub>-2</b>
<b>Eaton Contactors</b>			
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
<b>C - 69C2990G08</b>	<b>C-Frame Contactor - 400A, 480V, 3 Pole Fixed</b>	<b>43</b>	<b>UUT<sub>y</sub>-19</b>
<b>C - 69C2990G05</b>	<b>C-Frame Contactor - 400A, 480V, 3 Pole Draw-out</b>	<b>65</b>	<b>UUT<sub>y</sub>-19</b>
E-Frame	E-Frame Contactor - 600A-1600A, 480, 2/3/4 Pole Fixed/Draw-out	68 - 225	Interpolated
<b>E - 66A8167G02</b>	<b>E-Frame Contactor - 1600A, 480, 3 Pole Fixed/Draw-out</b>	<b>225</b>	<b>UUT<sub>z</sub>-2</b>
<b>D - 67C5241</b>	<b>D-Frame Contactor - 1200A, 600V, 3 Pole Fixed</b>	<b>186</b>	<b>UUT<sub>y</sub>-18</b>
<b>D - 68C8259G04</b>	<b>D-Frame Contactor - 1200A, 600V, 3 Pole Draw-out</b>	<b>225</b>	<b>UUT<sub>y</sub>-18, UUT<sub>y</sub>-20</b>
<b>F - 66A8206G23</b>	<b>F-Frame Contactor - 3000A, 600V, 2/3/4 Pole Draw-out</b>	<b>195 - 255</b>	<b>UUT<sub>x</sub>-3</b>
<b>Eaton Controllers</b>			
<b>6D32377G03</b>	<b>ATC100, 120V</b>	<b>4.5</b>	<b>UUT<sub>y</sub>-19</b>
<b>6D32360G42</b>	<b>ATC300+, 120V</b>	<b>4.5</b>	<b>UUT<sub>y</sub>-19</b>
<b>2D78580G50</b>	<b>ATC600, 120V</b>	<b>4.0</b>	<b>UUT<sub>y</sub>-14</b>
<b>2D78580G60</b>	<b>ATC800, 120V</b>	<b>4.0</b>	<b>UUT<sub>y</sub>-15, UUT<sub>y</sub>-18, UUT<sub>y</sub>-20</b>
6D32428G01	ATC900, 120V	2.9	Extrapolated
<b>General Notes:</b>			
<sup>1</sup> Subscript indicates the test report in which the units were qualified: x - PR072323-TR-18 / y - 70461R12 / z - PR087462-01TR			

UUT<sub>x-2</sub>

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



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



<b>Manufacturer:</b> Eaton	<b>Test Location:</b> Wyle Lab, Huntsville AL
<b>Product Line:</b> Automatic Transfer Switch (ATS)	<b>Test Date:</b> December 14-15, 2017
<b>Component:</b> ATC3C5C30200XSU	<b>Report Number:</b> PR072323-TR-18
<b>UUT Function:</b> Automatic transfer switching, of electrical load to backup system	
<b>UUT Description:</b> 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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>x-3</sub>

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



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



<b>Manufacturer:</b> Eaton	<b>Test Location:</b> Wyle Lab, Huntsville AL
<b>Product Line:</b> Automatic Transfer Switch (ATS)	<b>Test Date:</b> December 14-15, 2017
<b>Component:</b> BIC9G5X33000ESU	<b>Report Number:</b> PR072323-TR-18
<b>UUT Function:</b> Automatic transfer switching, of electrical load to backup system	
<b>UUT Description:</b> 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 <sub>DS</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>Z-2</sub>

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



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



<b>Manufacturer:</b> Eaton	<b>Test Location:</b> Wyle Lab, Huntsville AL
<b>Product Line:</b> Automatic Transfer Switch (ATS)	<b>Test Date:</b> October 1, 2018
<b>Component:</b> ATC9C5C31600XRU	<b>Report Number:</b> PR087462-01TR
<b>UUT Function:</b> Automatic transfer switching, of electrical load to backup system	
<b>UUT Description:</b> 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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>y</sub>-13

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**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:** 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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>y</sub>-14

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>y</sub>-15

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**Mounting Details:** Rigid floor mounted with (12) 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:** 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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>y</sub>-16

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



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



<b>Manufacturer:</b> Eaton	<b>Test Location:</b> Wyle Lab, Huntsville AL
<b>Product Line:</b> Automatic Transfer Switch (ATS)	<b>Test Date:</b> September 17-19, 2012
<b>Component:</b> ATHIFDA20150WSU	<b>Report Number:</b> 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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>y</sub>-17

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



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



<b>Manufacturer:</b> Eaton	<b>Test Location:</b> Wyle Lab, Huntsville AL
<b>Product Line:</b> Automatic Transfer Switch (ATS)	<b>Test Date:</b> September 17-19, 2012
<b>Component:</b> ATV3NBA31000ESU	<b>Report Number:</b> 70461R12
<b>UUT Function:</b> Automatic transfer switching, of electrical load to backup system	
<b>UUT Description:</b> 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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>y</sub>-18

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



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



<b>Manufacturer:</b> Eaton	<b>Test Location:</b> Wyle Lab, Huntsville AL
<b>Product Line:</b> Automatic Transfer Switch (ATS)	<b>Test Date:</b> September 17-19, 2012
<b>Component:</b> CTC8C3X31200ERU	<b>Report Number:</b> 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 <sub>DS</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>y</sub>-19

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



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



<b>Manufacturer:</b> Eaton	<b>Test Location:</b> Wyle Lab, Huntsville AL
<b>Product Line:</b> Automatic Transfer Switch (ATS)	<b>Test Date:</b> September 17-19, 2012
<b>Component:</b> BIC3C3X30400XSU	<b>Report Number:</b> 70461R12
<b>UUT Function:</b> Automatic transfer switching, of electrical load to backup system	
<b>UUT Description:</b> 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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>y</sub>-20

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



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



<b>Manufacturer:</b> Eaton	<b>Test Location:</b> Wyle Lab, Huntsville AL
<b>Product Line:</b> Automatic Transfer Switch (ATS)	<b>Test Date:</b> September 17-19, 2012
<b>Component:</b> CBC8C3E31200ERU	<b>Report Number:</b> 70461R12
<b>UUT Function:</b> Automatic transfer switching, of electrical load to backup system	
<b>UUT Description:</b> 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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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<sub>w</sub>-10

**UNIT UNDER TEST (UUT)  
SUMMARY SHEET**



**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 <sub>Ds</sub> (g)	z / h	H <sub>f</sub>	R <sub>μ</sub>	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (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.