



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0778

HCAI Special Seismic Certification Preapproval (OSP)

Type:  New  Renewal

Manufacturer Information

Manufacturer: ABB

Manufacturer's Technical Representative: Dhirendra Tiwari

Mailing Address: 41 Woodford Ave, Plainville, CT 06062

Telephone: (860) 747-7935

Email: dhirendra.tiwari@us.abb.com

Product Information

Product Name: Emergency and Standby Power Systems

Product Type: Automatic Transfer Switches

Product Model Number: Service Entrance ATS

General Description: Transfer switches that provide manual / automatic power switching from a primary source to a backup power source.

Mounting Description: Rigid, Floor/Wall Mounted

Tested Seismic Enhancements: None

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  
FACILITIES DEVELOPMENT DIVISION**

**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

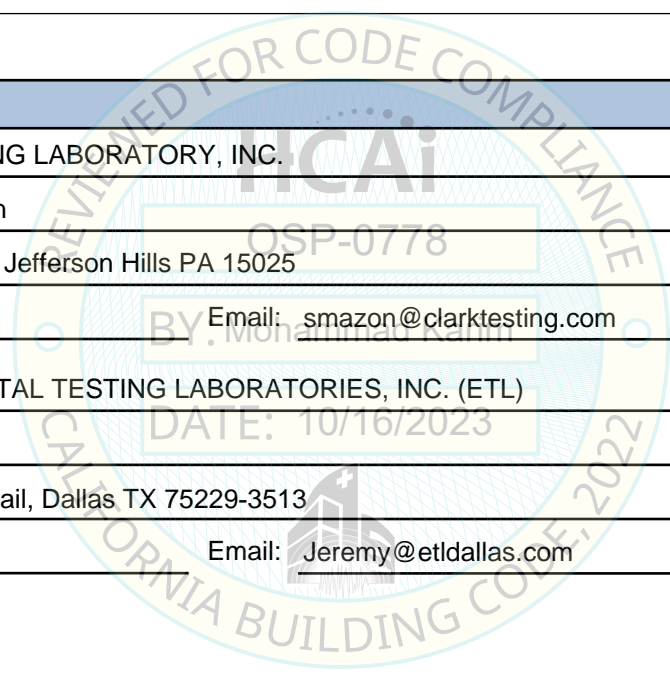
**Certification Method**

GR-63-Core       ICC-ES AC156       IEEE 344       IEEE 693       NEBS 3  
 Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

Company Name: CLARK TESTING LABORATORY, INC.  
Contact Person: Suzanne Mazon  
Mailing Address: 1801 Route 51, Jefferson Hills PA 15025  
Telephone: (412) 387-1001 Email: smazon@clarktesting.com

Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)  
Contact Person: Jeremy Lange  
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513  
Telephone: (972) 247-9657 Email: Jeremy@etldallas.com





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.5 (SDS =2.0g, z/h=1); 1.13 (SDS=2.50g, z/h=0)

SDS (Design spectral response acceleration at short period, g) = 2.00 (z/h = 1.0) and 2.50 (z/h = 0.0)

$a_p$  (Amplification factor) = 2.5

$R_p$  (Response modification factor) = 6.0

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

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

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

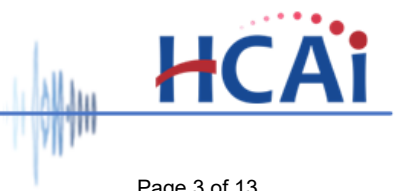
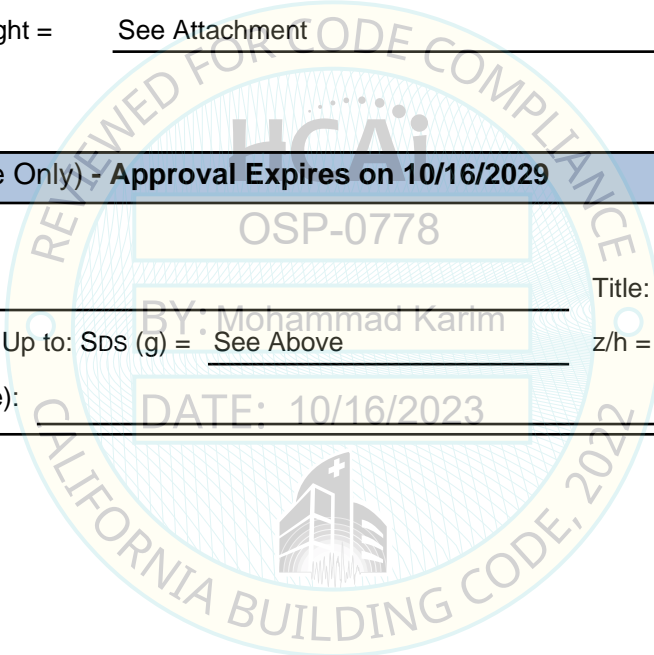
**HCAI Approval (For Office Use Only) - Approval Expires on 10/16/2029**

Date: 10/16/2023

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 10/16/2023



<b>Table 1</b>	<b>ABB, INC. SERVICE ENTRANCE ATS CERTIFIED PRODUCT LINE MATRICES</b>					 <b>WEGAI</b> <small>W.E. GUNDY &amp; ASSOCIATES, INC. STRUCTURAL &amp; EARTHQUAKE ENGINEERING</small>
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ID/Catalog Number	Ampere rating	NEMA Rating <sup>2</sup>	Equipment Dimensions (in)			Weight (lbs)	Representative UUT <sup>3</sup>
			Width	Depth	Height		
<b>Service Entrance ATS Product Line - Floor Mounted</b>							
<b>Seismic Certification Limits: S<sub>DS</sub> = 2.0 at z/h = 1.0 : F<sub>p</sub> = 1.50g and S<sub>DS</sub> = 2.5 at z/h = 0 : F<sub>p</sub> = 1.13g</b>							
<b>Z3SSO0403M12Bxxxxxxx</b>	<b>260 - 400</b>	<b>1</b>	<b>28</b>	<b>20</b>	<b>58</b>	<b>291</b>	<b>UUT<sub>y</sub>-6</b>
ZTX, ZTG(D)(C), ZTS(D)(C) Series	30 - 200	3R/4/12	28	20	58	394 - 403	extrapolated
ZTX, ZTG(D)(C), ZTS(D)(C) Series	260 - 400	1	28	20	58	287 - 296	interpolated
ZTX, ZTG(D)(C), ZTS(D)(C) Series	260 - 400	3R/4/12	28	20	58	399 - 407	interpolated
ZTX, ZTG(D)(C), ZTS(D)(C) Series	600	1	40	20	74	463 - 479	interpolated
ZTX, ZTG(D)(C), ZTS(D)(C) Series	600	3R/4/12	40	20	74	585 - 621	interpolated
ZTX, ZTG(D)(C), ZTS(D)(C) Series	800 - 1200	1	36	37	92	1112 - 1142	interpolated
<b>Z4SGO1204M45Bxxxxxxx</b>	<b>800 - 1200</b>	<b>3R/4/12</b>	<b>40</b>	<b>41</b>	<b>94</b>	<b>1262</b>	<b>UUT<sub>y</sub>-7</b>
ZTX, ZTG(D)(C), ZTS(D)(C) Series	800 - 1200	3R/4/12	40	43	94	1232 - 1262	interpolated
<b>Z5SGO1603M16Bxxxxxxx</b>	<b>1600 - 2000</b>	<b>1</b>	<b>36</b>	<b>48</b>	<b>90</b>	<b>1650</b>	<b>UUT<sub>y</sub>-8</b>
ZTX, ZTG(D)(C), ZTS(D)(C) Series	1600 - 2000	1	36	48	90	1650 - 1755	interpolated
ZTX, ZTG(D)(C), ZTS(D)(C) Series	1600 - 2000	3R/4/12	36	48	90	1770 - 1875	interpolated
ZTX, ZTG(D)(C), ZTS(D)(C) Series	2500 - 3000	1	36	48	90	1842 - 1947	interpolated
ZTX, ZTG(D)(C), ZTS(D)(C) Series	2500 - 3000	3R/4/12	36	48	90	1928 - 2033	interpolated
<b>Z5SGO2504M36Bxxxxxxx</b>	<b>2500 - 3000</b>	<b>3R/4/12</b>	<b>36</b>	<b>48</b>	<b>90</b>	<b>2033</b>	<b>UUT<sub>y</sub>-9</b>

Notes:

<sup>1</sup> All components are manufactured by ABB. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.

<sup>2</sup> Enclosures are constructed of welded carbon steel. The enclosure design is identical for the 3R, 4, and 12 designs therefore the rating is listed as 3R/4/12.

<sup>3</sup> Subscript indicates the test report in which the units were qualified: y - 16827, z - 19-00274

<sup>4</sup> The ZTX/ZTG/ZTS(D) service entrance series products are represented with the following ID numbers:  
 ZTX - ZxSXxxxxxxxxxxxxxx  
 ZTG(D)(C) - ZxSGxxxxxxxxxxxxxx  
 ZTS(D)(C) - ZxSSxxxxxxxxxxxxxx

<sup>5</sup> The ZTX/ZTG(D)/ZTS(D) service entrance automatic transfer switches (ATS) are of nearly identical construction with minor differences listed below:  
 ZxSXO(D)(C) - ZTX open, delayed, or closed transition with L2 / L3 / L4 controller  
 ZxSGO(D)(C) - ZTG open, delayed, or closed transition with L2 / L3 / L4 controller  
 ZxSSO(D)(C) - ZTS open, delayed, or closed transition with L2 / L3 / L4 controller

<b>Table 1</b>	<b>ABB, INC. SERVICE ENTRANCE ATS CERTIFIED PRODUCT LINE MATRICES</b>					 <b>WEGAI</b> <small>W.E. GUNDY &amp; ASSOCIATES, INC.          STRUCTURAL &amp; EARTHQUAKE ENGINEERING</small>
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ID/Catalog Number	Ampere rating	NEMA Rating <sup>2</sup>	Equipment Dimensions (in)			Weight (lbs)	Representative UUT <sup>3</sup>
			Width	Depth	Height		
<b>Service Entrance ATS Product Line - Wall Mounted</b>							
<b>Seismic Certification Limits: S<sub>DS</sub> = 2.0 at z/h = 1.0 : F<sub>p</sub> = 1.50g and S<sub>DS</sub> = 2.5 at z/h = 0 : F<sub>p</sub> = 1.13g</b>							
<b>ZGOK3SX12</b>	<b>400</b>	<b>1</b>	<b>24</b>	<b>12</b>	<b>46</b>	<b>142</b>	<b>UUT<sub>z</sub>-2</b>
ZTX, ZTG(D)(C), ZTS(D)(C) Series	30 - 200	1	24	12 - 14	46	142 - 156	interpolated
<b>Z2SSO0203M11Bxxxxxxx</b>	<b>200</b>	<b>1</b>	<b>24</b>	<b>14</b>	<b>46</b>	<b>151</b>	<b>UUT<sub>y</sub>-5</b>

Notes:

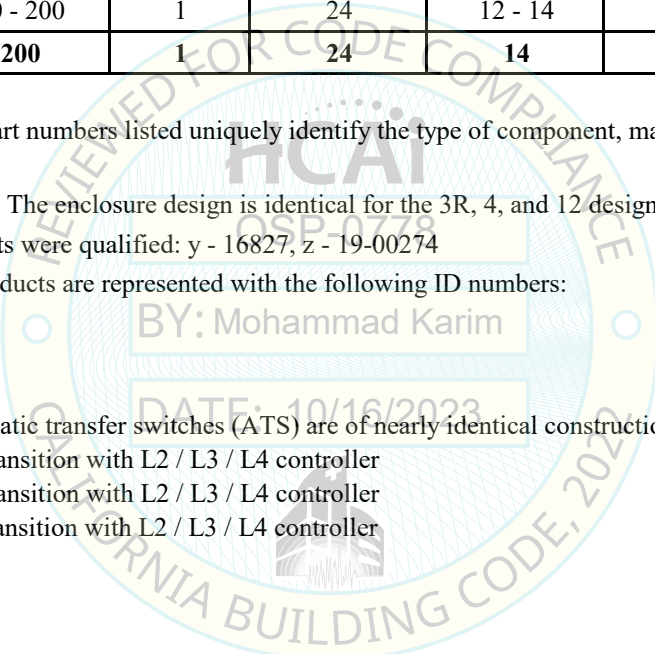
<sup>1</sup> All components are manufactured by ABB. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.

<sup>2</sup> Enclosures are constructed of welded carbon steel. The enclosure design is identical for the 3R, 4, and 12 designs therefore the rating is listed as 3R/4/12

<sup>3</sup> Subscript indicates the test report in which the units were qualified: y - 16827, z - 19-00274

<sup>4</sup> The ZTX/ZTG/ZTS(D) service entrance series products are represented with the following ID numbers:  
 ZTX - ZxSXxxxxxxxxxxxxxx  
 ZTG(D)(C) - ZxSGxxxxxxxxxxxxxx  
 ZTS(D)(C) - ZxSSxxxxxxxxxxxxxx

<sup>5</sup> The ZTX/ZTG(D)/ZTS(D) service entrance automatic transfer switches (ATS) are of nearly identical construction with minor differences listed below:  
 ZxSXO(D)(C) - ZTX open, delayed, or closed transition with L2 / L3 / L4 controller  
 ZxSGO(D)(C) - ZTG open, delayed, or closed transition with L2 / L3 / L4 controller  
 ZxSSO(D)(C) - ZTS open, delayed, or closed transition with L2 / L3 / L4 controller



**Table 2**

**ABB, INC. SERVICE ENTRANCE ATS  
CERTIFIED SUBCOMPONENT MATRICES**



Identification Number	Manufacturer	Description	Weight (lbs)	Representative UUT
<b>Service Entrance ATS Product Line - Wall Mounted Subcomponents</b>				
<b>Switch / Power Panels</b>				
OXA200U3X3QB-ZE	ABB	200A 3P TruONE	32	UUT <sub>y</sub> -5
OXx260Uxxxxx-ZE		260A 2/3/4P TruONE	31 - 40	interpolated
OXA400U3X3QB-ZE		400A 3P TruONE	43	interpolated
OXA400U3S3QB-ZE		400A 4P TruONE	45	UUT <sub>z</sub> -2
<b>Circuit Breaker</b>				
1SDA074764R1	ABB	XT2	2	UUT <sub>y</sub> -5
<b>Controller</b>				
OXCO1 <sup>1</sup>	ABB	Controller	2	UUT <sub>z</sub> -2
<b>Service Entrance ATS Product Line - Floor Mounted Subcomponents</b>				
<b>Switch / Power Panels</b>				
OXA200U3X3QB-ZE	ABB	200A 3P TruONE	32	extrapolated
OXx260Uxxxxx-ZE		260A 2/3/4P TruONE	31 - 40	extrapolated
OXA400U3X3QB-ZE		400A 3P TruONE	43	UUT <sub>y</sub> -6
OXA400U3S3QB-ZE		400A 4P TruONE	45	interpolated
OXx600Uxxxxx-ZE		600A 2/3/4P TruONE	38 - 48	interpolated
OXx800-1200Uxxxxx-ZE		800A - 1200A 2/3/4P TruONE	96 - 125	interpolated
OXA1200U3S3QB-ZE		1200A 4P TruONE	125	UUT <sub>y</sub> -7
70010426990A		1600A - 3000A R5 3P	189	UUT <sub>y</sub> -8
70010426262A		1600A - 3000A R5 4P	223	UUT <sub>y</sub> -9
<b>Circuit Breaker</b>				
1SDA074764R1	ABB	XT2	2	extrapolated
1SDA075200R1		XT4	4	extrapolated
1SDA102487R1		XT5	5	UUT <sub>y</sub> -6
1SDA102947R1		XT7	28	UUT <sub>y</sub> -7
1SDA077263R1		Emax 2.2	115	UUT <sub>y</sub> -8
1SDA077913R1		Emax 4.2	123	UUT <sub>y</sub> -9

**Notes:**  
<sup>1</sup> OXCO1 is the primary controller identification number representative of the OXAMI1-L2, OXBMI1-L2, OXAMI1-L3, OXBMI1-L3, OXAMI1-L4, OXBMI1-L4 controller configurations with varied software.  
<sup>2</sup> Subscript indicates the test report in which the units were qualified: y - 16827, z - 19-00274

<b>Table 2</b>	<b>ABB, INC. SERVICE ENTRANCE ATS CERTIFIED SUBCOMPONENT MATRICES</b>			 <b>WEGAI</b> <small>W.E. GUNDY &amp; ASSOCIATES, INC.</small> <small>STRUCTURAL &amp; EARTHQUAKE ENGINEERING</small>
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Identification Number	Manufacturer	Description	Weight (lbs)	Representative UUT
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**Service Entrance ATS Product Line - Floor Mounted Subcomponents**

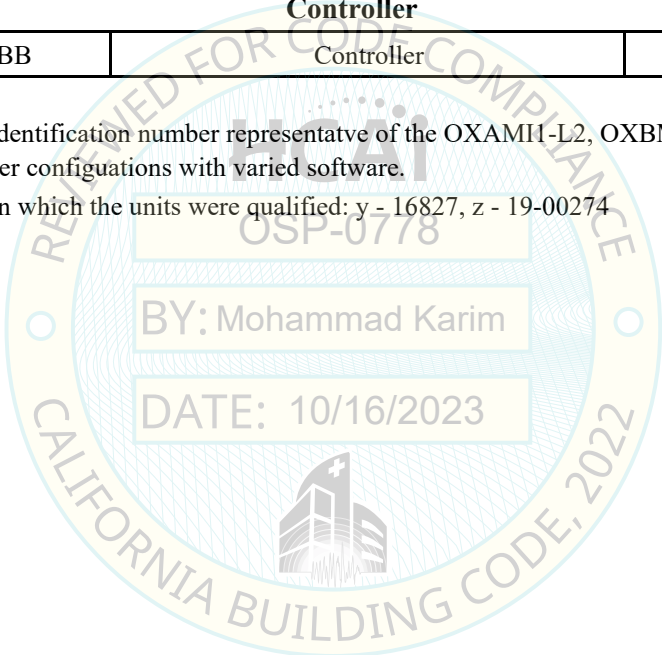
<b>Bus Structure</b>				
59P-2062	ABB	800 - 1200A, 3 Pole	127	extrapolated
59P-2063		800 - 1200A, 4 Pole	147	UUT <sub>y</sub> -7
59P-2064		1600 - 2000A, 3 Pole	422	UUT <sub>y</sub> -8
59P-2065		1600 - 2000A, 4 Pole	467	interpolated
59P-2066		2500A, 3 Pole	459	interpolated
59P-2067		2500A, 4 Pole	507	UUT <sub>y</sub> -9

**Controller**

OXCO1 <sup>1</sup>	ABB	Controller	2	UUT <sub>y</sub> -8 / UUT <sub>y</sub> -9
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**Notes:**  
<sup>1</sup> OXCO1 is the primary controller identification number representative of the OXAMI1-L2, OXBMI1-L2, OXAMI1-L3, OXBMI1-L3, OXAMI1-L4, OXBMI1-L4 controller configurations with varied software.

<sup>2</sup> Subscript indicates the test report in which the units were qualified: y - 16827, z - 19-00274



UUT<sub>y</sub>-6

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



**Mounting Details:** Rigid floor mounted with (4) 1/2" Grade 5 bolts



<b>Manufacturer:</b> ABB, Inc.	<b>Test Location:</b> ETL (Dallas, TX)
<b>Component:</b> Service Entrance ATS	<b>Test Date:</b> December 2022
<b>Model Number:</b> Z3SSO0403M12Bxxxxxxx	<b>Report Number:</b> 16827
<b>UUT Function:</b> Automatic Transfer Switch and Main Disconnect	
<b>UUT Description:</b> NEMA 1 carbon steel enclosure with OXA400U3X3QB-ZE 400A TruONE switch / power panel and 1SDA102487R1 XT5 circuit breaker.	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
291	28	20	58	25.4	12.9	32.4

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	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)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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>-7

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



**Mounting Details:** Rigid floor mounted with (4) 1/2" Grade 5 bolts



<b>Manufacturer:</b> ABB, Inc.	<b>Test Location:</b> ETL (Dallas, TX)
<b>Component:</b> Service Entrance ATS	<b>Test Date:</b> December 2022
<b>Model Number:</b> Z4SGO1204M45Bxxxxxxx	<b>Report Number:</b> 16827
<b>UUT Function:</b> Automatic Transfer Switch and Main Disconnect	
<b>UUT Description:</b> NEMA 3R carbon steel enclosure with 59P-2063 1200A bus, OXA1200U3S3QB -ZE 1200A TruONE switch / power panel and 1SDA102947R1 XT7 circuit breaker.	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,262	40	41	94	27.8	7.9	32.6

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	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)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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>-8

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



**Mounting Details:** Rigid floor mounted with (4) 1/2" Grade 5 bolts



REVIEWED FOR CODE COMPLIANCE  
**HCAi**  
 OSP-0778  
 BY: Mohammad Karim  
 DATE: 10/16/2023

<b>Manufacturer:</b> ABB, Inc.	<b>Test Location:</b> ETL (Dallas, TX)
<b>Component:</b> Service Entrance ATS	<b>Test Date:</b> December 2022
<b>Model Number:</b> Z5SGO1603M16Bxxxxxxx	<b>Report Number:</b> 16827
<b>UUT Function:</b> Automatic Transfer Switch and Main Disconnect	
<b>UUT Description:</b> NEMA 1 carbon steel enclosure with 59P-2064 2000A bus, 70010426990A 1600A-3000A R5 3P switch / power panel and 1SDA077913R1 Emax 2.2 circuit breaker, and OXCO1 controller.	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,650	36	48	90	12.7	5.9	13.5

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	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)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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>-9

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



**Mounting Details:** Rigid floor mounted with (4) 1/2" Grade 5 bolts



<b>Manufacturer:</b> ABB, Inc.	<b>Test Location:</b> ETL (Dallas, TX)
<b>Component:</b> Service Entrance ATS	<b>Test Date:</b> December 2022
<b>Model Number:</b> Z5SGO2504M36Bxxxxxxx	<b>Report Number:</b> 16827
<b>UUT Function:</b> Automatic Transfer Switch and Main Disconnect	
<b>UUT Description:</b> NEMA 3R carbon steel enclosure with 59P-2067 2500A bus, 70010426262A 1600A-3000A R5 4P switch / power panel and 1SDA077913R1 Emax 4.2 circuit breaker, and OXCO1 controller.	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2,033	36	48	90	8.3	5.3	10.8

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	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)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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 wall mounted with (4) 1/2" Grade 5 bolts



<b>Manufacturer:</b> ABB, Inc.	<b>Test Location:</b> Clark Testing (Pittsburgh, PA)
<b>Component:</b> Automatic Transfer Switch	<b>Test Date:</b> May 2019
<b>Model Number:</b> ZGOK3SX12	<b>Report Number:</b> 19-00274 Rev 0
<b>UUT Function:</b> Automatic Transfer Switch and Main Disconnect	
<b>UUT Description:</b> NEMA 1 carbon steel enclosure with OXA400U3S3QB-ZE TruONE switch / power panel and OXCO1 controller.	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
142	24	12	46	n/a	n/a	n/a

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	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)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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. The lab report identified the system using the internal component number, OXA400U3S3QB-ZE, not the complete system component identification number, ZGOK3SX12.

UUT<sub>y</sub>-5

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



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



<b>Manufacturer:</b> ABB, Inc.	<b>Test Location:</b> ETL (Dallas, TX)
<b>Component:</b> Service Entrance ATS	<b>Test Date:</b> December 2022
<b>Model Number:</b> Z2SSO0203M11Bxxxxxxx	<b>Report Number:</b> 16827
<b>UUT Function:</b> Automatic Transfer Switch and Main Disconnect	
<b>UUT Description:</b> NEMA 1 carbon steel enclosure with OXA200U3X3QB-ZE 200A TruONE switch / power panel and 1SDA074764R1 XT2 circuit breaker.	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
151	24	14	46	n/a	n/a	n/a

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>AFLX-H</sub> (g)	A <sub>ARIG-H</sub> (g)	A <sub>AFLX-V</sub> (g)	A <sub>ARIG-V</sub> (g)
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	-	-
	2.50	0.0	1.5	-	-	1.67	0.67

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.