



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-0613

**HCAI Special Seismic Certification Preapproval (OSP)**

Type:  New  Renewal

**Manufacturer Information**

Manufacturer: ABB Zenith Controls

Manufacturer's Technical Representative: Yogesh Patel

Mailing Address: 1555 Scott St, Senatobia, MS 38668

Telephone: (224) 279-7013

Email: yogeshkumar.patel@us.abb.com

**Product Information**

Product Name: TrueONE ATS

Product Model Number(s): See attachments

Product Category: Emergency and Standby Power Systems

Product Sub-Category: Automatic Transfer Switches

General Description: Transfer switches that provide manual / automatic power switching from a primary source to backup power source (30A to 1200A). Equipment is manufactured and sold by ABB and also Brand Labeled by Caterpillar.

Mounting Description: Base/Wall Mounted Rigid

Tested Seismic Enhancements: None

**Applicant Information**

Applicant Company Name: W.E. Gundy & Associates, Inc.

Contact Person: Travis Soppe

Mailing Address: 1199 Shoreline Drive Suite 310, Boise, ID 83702

Telephone: (208) 342-5989

Email: tsoppe@wegai.com

Title: President



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**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): \_\_\_\_\_

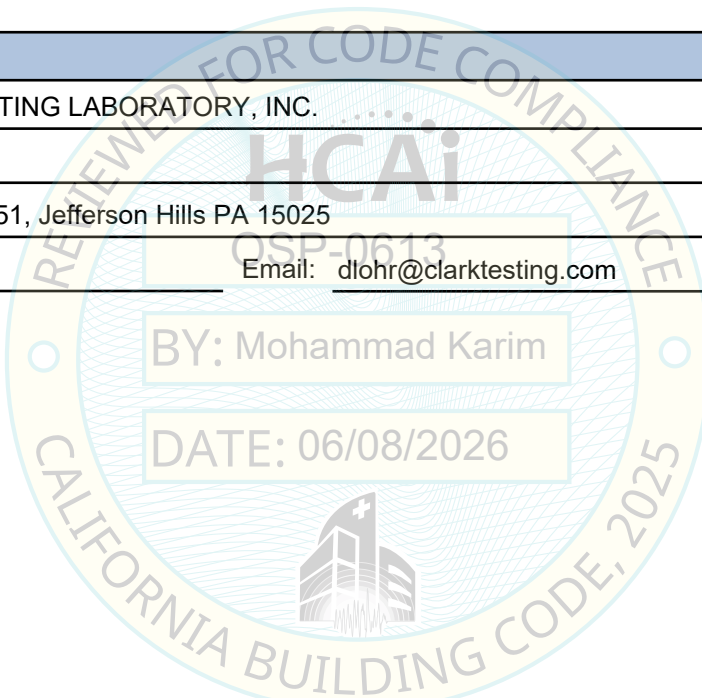
**Testing Laboratory**

Company Name: CLARK TESTING LABORATORY, INC.

Contact Person: Devon Lohr

Mailing Address: 1801 Route 51, Jefferson Hills PA 15025

Telephone: (412) 387-1001 Email: dlohr@clarktesting.com





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**Seismic Parameters**

Certified Response Spectral Acceleration Factors:(F<sub>p</sub>/W<sub>p</sub>)

Horizontal	(A Flx-H), g=	<u>3.20</u>	(A Rig-H), g=	<u>2.15</u>
Vertical	(A Flx-V), g=	<u>1.68</u>	(A Rig-V), g=	<u>0.68</u>

SDS (Design spectral response acceleration at short period, g) = 2.50 @ z/h = 0; 2.00 @ z/h = 1

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 06/08/2032**

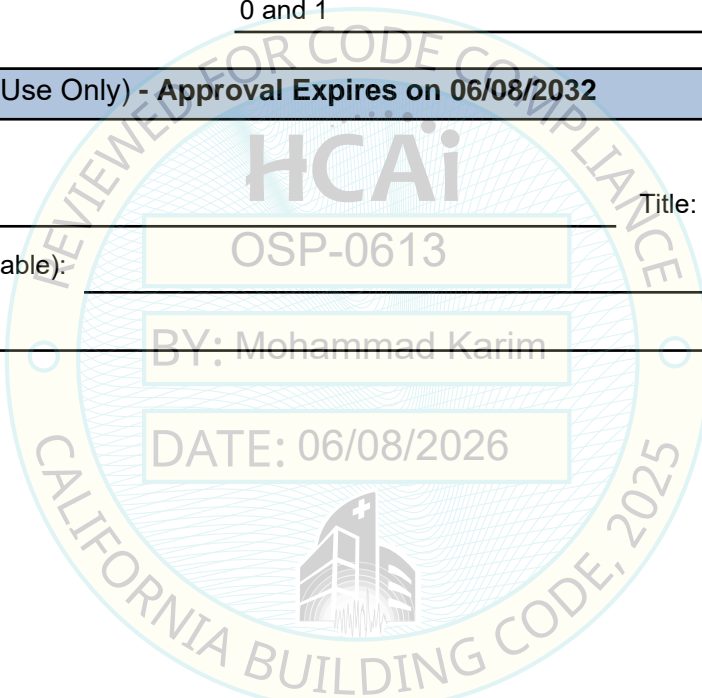
Date: 6/8/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0613

BY: Mohammad Karim

DATE: 06/08/2026



ID Number <sup>1,3,4</sup>	Ampere Rating	Poles	NEMA Rating	<sup>1</sup> Enclosure Dimensions (in)			Weight (lbs)	Representative UUT
				Width	Depth	Height		
<b>WALL MOUNTED CONFIGURATIONS</b>								
ZGOG3XX32	200	3	3R	24.0	12.3	32.0	96	UUT-1
ZTX, ZTG(D), ZTS(D) Series	30-200	2 / 3 / 4	1 / 3R / 4 / 12	24.0	12.0-12.3	32.0	95 - 125	interpolated
ZTX, ZTG(D), ZTS(D) Series	260	2 / 3 / 4	1 / 3R / 4 / 12	24.0	14.0-14.3	46.0	100-140	interpolated
ZTX, ZTG(D), ZTS(D) Series	400	2 / 3 / 4	1 / 3R / 4 / 12	24.0	14.0-14.3	46.0	105-142	interpolated
ZGOK3SX12	400	4	1	24.0	14.0	46.0	142	UUT-2
<b>FLOOR MOUNTED CONFIGURATIONS</b>								
ZGOL3XX12	600	4	1	28.0	19.5	54.0	252	UUT-3
ZTX, ZTG(D), ZTS(D) Series	600	2 / 3 / 4	1 / 3R / 4 / 12	28.0	19.5-19.8	54.0	210 - 252	interpolated
ZTX, ZTG(D), ZTS(D) Series	800 - 1200	3 / 4	1 / 3R / 4 / 12	40.0	19.5-19.8	74.0	435 - 478	interpolated
ZGDP3SX32	1200	4	3R	40.0	19.8	74.0	478	UUT-4
<p><b>Notes:</b></p> <p><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.</p> <p><sup>2</sup> Enclosures are constructed of welded carbon steel.</p> <p><sup>3</sup> The ZTX/ZTG(D)/ZTS(D) series products are represented with the following ID numbers:  ZTX - ZXOxxxxxx  ZTG(D) - ZGOxxxxxx / ZGDxxxxxx  ZTS(D) - ZSAOxxxxxx / ZSADxxxxxx</p> <p><sup>4</sup> The ZTX/ZTG(D)/ZTS(D) automatic transfer switches (ATS) are of nearly identical construction with minor control differences listed below:  Z XO - ZTX Open transition  Z GO - ZTG Open transition  Z GD - ZTG(D) Delay transition  Z SAO - ZTS Open transition  Z SAD - ZTS(D) Delay transition</p>								

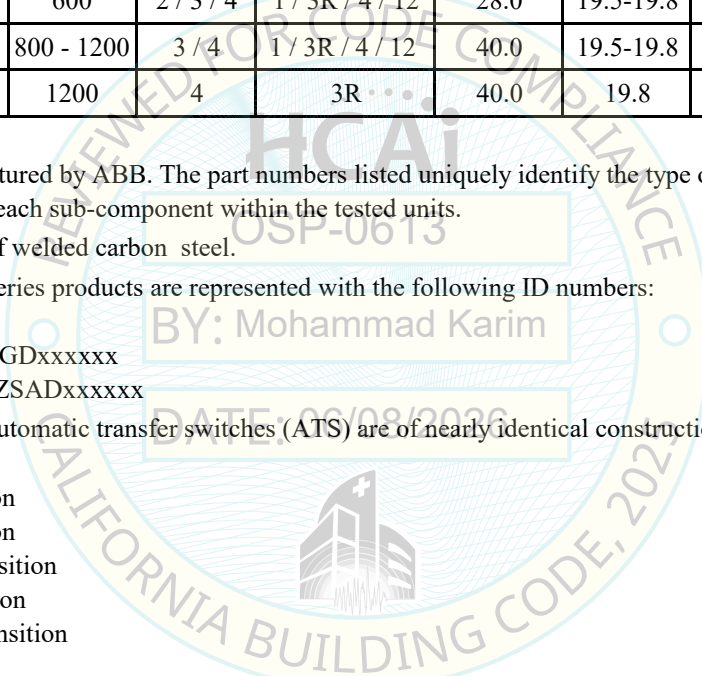



TABLE 2	ABB ZTX, ZTG(D), ZTS(D) ATS WITH TruONE CATERPILLAR BRANDED PRODUCT LINE SEISMIC CERTIFICATION MATRICES		 W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING
ABB Identification	Caterpillar Identification	Representative UUT	
<b>WALL MOUNTED CONFIGURATOINS</b>			
ZGOG3XX32	CGOG3XX32	UUT-1	
ZTX/ZTG(D)/ZTS(D)-30 to 200	CX/CG(D)/CS(D)-30 to 200	interpolated	
ZTX/ZTG(D)/ZTS(D)-260	CX/CG(D)/CS(D)-260	interpolated	
ZTX/ZTG(D)/ZTS(D)-400	CX/CG(D)/CS(D)-400	interpolated	
ZGOK3SX12	CGOK3SX12	UUT-2	
<b>FLOOR MOUNTED CONFIGURATOINS</b>			
ZGOL3XX12	CGOL3XX12	UUT-3	
ZTX/ZTG(D)/ZTS(D)-600	CX/CG(D)/CS(D)-600	interpolated	
ZTX/ZTG(D)/ZTS(D)-800 to 1200	CX/CG(D)/CS(D)-800 to 1200	interpolated	
ZGDP3SX32	CGDP3SX32	UUT-4	
<p><b>Notes:</b></p> <p>The seismically certified ABB Inc. automatic transfer switches are brand labeled and sold by Caterpillar. This table provides the link between the seismically certified ABB Automatic Transfer Switch product line and the associated brand labeled Caterpillar product offerings.</p> <p><sup>1</sup> The CX/CG(D)/CS(D) series products are represented with the following ID numbers:  CX - CXOxxxxxx  CG(D) - CGOxxxxxx / CGDxxxxxx  CS(D) - CSAOxxxxxx / CSADxxxxxx</p> <p><sup>2</sup> The CX/CG(D)/CS(D) automatic transfer switches (ATS) are of nearly identical construction with minor control differences listed below:  CXO - CX Open transition  CGO - CG Open transition  CGD - CG(D) Delay transition  CSAO - CS Open transition  CSAD - CS(D) Delay transition</p> <p><sup>3</sup> Controllers in CAT brand lable units have an added, "-CAT", extension in the part ID.</p>			

<b>TABLE 3</b>		<b>ABB ZTX, ZTG(D), ZTS(D) ATS WITH TruONE SPECIAL SEISMIC CERTIFICATION SUBCOMPONENTS TABLE</b>			 <b>WEGAI</b> <small>W.E. GUNDY &amp; ASSOCIATES, INC. STRUCTURAL &amp; EARTHQUAKE ENGINEERING</small>	
Subcomponent ID Number	Manufacturer	Description	Weight (lbs)	Representative UUT		
<b>WALL MOUNTED - ATS CERTIFIED SUBCOMPONENTS</b>						
<b>ATS Switch Power Panel Assembly</b>						
OXA200U3X2QB-ZE	ABB	200A 3-Pole open transition power panel	32	UUT-1		
OXx260Uxxxxx-ZE	ABB	260A 2/3/4-Pole open/delay transition power panel	28 - 39	interpolated		
OXx400Uxxxxx-ZE	ABB	400A 2/3/4-Pole open/delay transition power panel	32 - 52	interpolated		
OXA400U3S3QB-ZE	ABB	400A 4-Pole open transition power panel	45	UUT-2		
<b>Electrical Panel / Controller Components</b>						
OXAMI1-L3	ABB	Open transition Level 3 HMI	2.0	UUT-1		
OXAMI1-L2	ABB	Open transition Level 2 HMI	2.0	interpolated		
OXBMI1-L3	ABB	Delay transition Level 3 HMI	2.0	interpolated		
OXBMI1-L4	ABB	Delay transition Level 4 HMI	2.0	interpolated		
OXAMI1-L4	ABB	Open transition Level 4 HMI	2.0	UUT-2		
<b>FLOOR MOUNTED - ATS CERTIFIED SUBCOMPONENTS</b>						
<b>ATS Switch Power Panel Assembly</b>						
OBX600U3S3QB-ZE	ABB	600A 4-Pole open transition power panel	45	UUT-3		
OXx600Uxxxxx-ZE	ABB	600A 2/3/4-Pole open/delay transition power panel	32 - 52	interpolated		
OXx800-1200Uxxxxx-ZE	ABB	800-1200A 3/4-Pole open/delay transition power panel	95 - 127	interpolated		
OXA1200U3S3QB-ZE	ABB	1200A 4-Pole delay transition power panel	127	UUT-4		
<b>Electrical Panel / Controller Components</b>						
OXAMI1-L3	ABB	Open transition Level 3 HMI	2.0	UUT-3		
OXAMI1-L2	ABB	Open transition Level 2 HMI	2.0	interpolated		
OXBMI1-L3	ABB	Delay transition Level 3 HMI	2.0	interpolated		
OXBMI1-L4	ABB	Delay transition Level 4 HMI	2.0	interpolated		
OXAMI1-L4	ABB	Open transition Level 4 HMI	2.0	UUT-4		
Notes:						
The "xxxx" designation at the end of the model number provides differences in control software for the power panels.						

UUT-1

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



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



<b>Manufacturer:</b> ABB	<b>Test Location:</b> Clark Dynamic Test Lab
<b>Product Line:</b> ZTX, ZTG(D), ZTS(D) ATS WITH TruONE	<b>Test Date:</b> April 29 - May 2, 2019
<b>Component ID:</b> ZGOG3XX32	<b>Report Number:</b> JID 19-00274 Rev 0
<b>Test Report Component ID:</b> OXA200U3X2QB-ZE*	
<b>UUT Function:</b> Manual/Automatic power switching from utility power to emergency power.	
<b>UUT Description:</b> 200A 3-Pole Automatic Transfer Switch with OXA200U3X2QB-ZE Power Panel, OXAMI1-L2 open transition level 3 HMI controller, and NEMA 3R carbon steel enclosure.	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
96	24.0	12.3	32.0	N/A	N/A	N/A

**SEISMIC TEST PARAMETERS - ICC-ES AC 156-24**

CODE	S <sub>DS</sub> (g)	I <sub>p</sub>	z / h	H <sub>f</sub>	R <sub>μ</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2025	2.00	1.5	1.0	3.5	1.30	3.2g	2.15g	-	-
	2.50		0.0	1.0	1.00	-	-	1.68g	0.68g

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 of the power panel not the complete system component identification number.

UUT-2

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



**Mounting Details:** Rigid wall mounted with 4 - 1/2" grade 5 bolts



<b>Manufacturer:</b> ABB	<b>Test Location:</b> Clark Dynamic Test Lab
<b>Product Line:</b> ZTX, ZTG(D), ZTS(D) ATS WITH TruONE	<b>Test Date:</b> April 29 - May 2, 2019
<b>Component ID:</b> ZGOK3SX12	<b>Report Number:</b> JID 19-00274 Rev 0
<b>Test Report Component ID:</b> OXA400U3S3QB-ZE*	

**UUT Function:** Manual/Automatic power switching from utility power to emergency power.  
**UUT Description:** 400A 4-Pole Automatic Transfer Switch with OXA400U3S3QB-ZE Power Panel, OXAMI1-L4 open transition level 3 HMI controller, and NEMA 1 carbon steel enclosure.

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
142	24.0	14.0	46.0	N/A	N/A	N/A

**SEISMIC TEST PARAMETERS - ICC-ES AC 156-24**

CODE	S <sub>DS</sub> (g)	I <sub>p</sub>	z / h	H <sub>f</sub>	R <sub>μ</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2025	2.00	1.5	1.0	3.5	1.30	3.2g	2.15g	-	-
	2.50		0.0	1.0	1.00	-	-	1.68g	0.68g

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 of the power panel not the complete system component identification number.

UUT-3

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



**Mounting Details:** Rigid floor mounted with 4 - 1/2" grade 5 bolts



<b>Manufacturer:</b> ABB	<b>Test Location:</b> Clark Dynamic Test Lab
<b>Product Line:</b> ZTX, ZTG(D), ZTS(D) ATS WITH TruONE	<b>Test Date:</b> April 29 - May 2, 2019
<b>Component ID:</b> ZGOL3XX12	<b>Report Number:</b> JID 19-00274 Rev 0
<b>Test Report Component ID:</b> OBX600U3S3QB-ZE*	

**UUT Function:** Manual/Automatic power switching from utility power to emergency power.  
**UUT Description:** 600A 4-Pole Automatic Transfer Switch with OBX600U3S3QB-ZE Power Panel, OXAMI1-L3 open transition level 3 HMI controller, and NEMA 1 carbon steel enclosure.

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
252	28.0	19.5	54.0	25.7	18.5	>33

**SEISMIC TEST PARAMETERS - ICC-ES AC 156-24**

CODE	S <sub>DS</sub> (g)	I <sub>p</sub>	z / h	H <sub>f</sub>	R <sub>μ</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2025	2.00	1.5	1.0	3.5	1.30	3.2g	2.15g	-	-
	2.50		0.0	1.0	1.00	-	-	1.68g	0.68g

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 of the power panel not the complete system component identification number.

UUT-4

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



**Mounting Details:** Rigid floor mounted with 4 - 1/2" grade 5 bolts



<b>Manufacturer:</b> ABB	<b>Test Location:</b> Clark Dynamic Test Lab
<b>Product Line:</b> ZTX, ZTG(D), ZTS(D) ATS WITH TruONE	<b>Test Date:</b> April 29 - May 2, 2019
<b>Component ID:</b> ZGDP3SX32	<b>Report Number:</b> JID 19-00274 Rev 0
<b>Test Report Component ID:</b> OXA1200U3S3QB-ZE*	
<b>UUT Function:</b> Manual/Automatic power switching from utility power to emergency power.	
<b>UUT Description:</b> 1200A 4-Pole Automatic Transfer Switch with OXA1200U3S3QB-ZE Power Panel, OXAMI1-L4 open transition level 4 HMI controller, and NEMA 3R carbon steel enclosure.	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
478	40.0	19.8	74.0	25.7	13.8	>33

**SEISMIC TEST PARAMETERS - ICC-ES AC 156-24**

CODE	S <sub>DS</sub> (g)	I <sub>p</sub>	z / h	H <sub>f</sub>	R <sub>μ</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2025	2.00	1.5	1.0	3.5	1.30	3.2g	2.15g	-	-
	2.50		0.0	1.0	1.00	-	-	1.68g	0.68g

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 of the power panel not the complete system component identification number.