



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
FACILITIES DEVELOPMENT DIVISION

**APPLICATION FOR OSHPD SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP – 0505 – 10

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

Type: ☐ New ☒ Renewal

**Manufacturer Information**

Manufacturer: Eaton Corporation

Manufacturer's Technical Representative: Don Caulfield

Mailing Address: 3301 Spring Forest Road, Raleigh, NC 27616

Telephone: 919.871.1972

Email: [DonaldCaulfield@Eaton.com](mailto:DonaldCaulfield@Eaton.com)

**Product Information**

Product Name: 9395 & 9395P

Product Type: Uninterruptible Power Supply (UPS)

Product Model Number: Various – See Attachments

(List all unique product identification numbers and/or part numbers)

General Description: 300 – 1200 kVA UPS. Seismic enhancements made to the test units required to address the anomalies observed during the tests shall be incorporated into the production units.

Mounting Description: Rigid Floor Mounted

**Applicant Information**

Applicant Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

Contact Person: Matthew J. Tobolski, PhD, SE

Mailing Address: 5215 Hellyer Ave., Suite 210, San Jose, CA 95138

Telephone: 541.205.4064

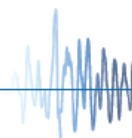
Email: [mtobolski@structint.com](mailto:mtobolski@structint.com)

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

Signature of Applicant:  Date: 8/29/2017

Title: President Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
FACILITIES DEVELOPMENT DIVISION**

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

Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

Name: Matthew J. Tobolski, PhD, SE California License Number: S5648

Mailing Address: 5215 Hellyer Ave., Suite 210, San Jose, CA 95138

Telephone: 541.205.4064 Email: [mtobolski@structint.com](mailto:mtobolski@structint.com)

**Supports and Attachments Preapproval**

- ☐ Supports and attachments are preapproved under OPM-  
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- ☒ Supports and attachments are not preapproved

**Certification Method**

- ☒ Testing in accordance with: ☒ ICC-ES AC156
- ☐ Other (Please Specify): \_\_\_\_\_

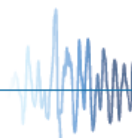
**Testing Laboratory**

Company Name: Clark Testing

Contact Name: Robert Francis

Mailing Address: 1801 Route 51 South, Building 8, Jefferson Hills, PA 15025

Telephone: 412.387.1001 Email: [rfrancis@clarktesting.com](mailto:rfrancis@clarktesting.com)





# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

## Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: ☒ Yes ☐ No

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.5 ( $S_{DS} = 2.0$  g); 1.44 ( $S_{DS} = 3.2$  g)

$S_{DS}$  (Design spectral response acceleration at short period, g) = 2.0 ( $z/h = 1.0$ ); 3.2 ( $z/h = 0$ )

$a_p$  (In-structure equipment or component amplification factor) = 2.5

$R_p$  (Equipment or component response modification factor) = 6.0

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

$z/h$  (Height factor ratio) = 1.0 ( $S_{DS} = 2.0$ g); 0.0 ( $S_{DS} = 3.2$ g)

Equipment or Component Natural Frequencies (Hz) = See Attachment

Overall dimensions and weight (or range thereof) = See Attachment

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: ☐ Yes ☒ No

Design Basis of Equipment or Components ( $V/W$ ) = \_\_\_\_\_

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

$S_{D1}$  (Design spectral response acceleration at 1 second period, g) = \_\_\_\_\_

$R$  (Response modification coefficient) = \_\_\_\_\_

$\Omega_0$  (System overstrength factor) = \_\_\_\_\_

$C_d$  (Deflection amplification factor) = \_\_\_\_\_

$I_p$  (Importance factor) = 1.5

Height to Center of Gravity above base = \_\_\_\_\_

Equipment or Component Natural Frequencies (Hz) = \_\_\_\_\_

Overall dimensions and weight (or range thereof) = \_\_\_\_\_

Tank(s) designed in accordance with ASME BPVC, 2015: ☐ Yes ☒ No

## List of Attachments Supporting Special Seismic Certification

☐ Test Report(s) ☐ Drawings ☐ Calculations ☐ Manufacturer's Catalog

☒ Other(s) (Please Specify): Attachment A

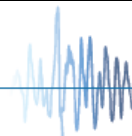
## OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022

Signature:  Date: October 09, 2017

Print Name: Timothy J. Piland Title: SSE

Special Seismic Certification Valid Up to :  $S_{DS}$  (g) = See Above  $z/h$  = See Above

Condition of Approval (if applicable): \_\_\_\_\_



# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 17014



<b>Manufacturer:</b> Eaton						<b>TABLE 1</b>	
<b>Model Line:</b> 9395P/9395							
<b>Certified Product Construction Summary:</b> Carbon steel frame and enclosure. Seismic enhancements to be included in production units include a thumb screw at the top of the door and zip ties to retain the UPM plugs.							
<b>Certified Options Summary:</b> FI UPM, IOM, ISBM, UPM/2XUPM/or 3XUPM. See model line numbering for the significance of "X".							
<b>Mounting Configuration:</b> Base mounted - rigid Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
<b>Building Code: CBC 2016</b>		<b>Seismic Certification Limits:</b>		$S_{DS} = 2.0\text{ g}$ $z/h=1.0$ $S_{DS} = 3.2\text{ g}$ $z/h=0.0$		$I_p = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
9395	CAXXXXXXXXXXXRX	35	53	74	1900		Interp.
	CRXXXXXXXXXXRX	35	53	74	1990		Interp.
	CBXXXXXXXXXXRX	35	74	74	3150		Interp.
	CCXXXXXXXXXXRX	35	74	74	3274		Interp.
	CLXXXXXXXXXXRX	35	74	74	3274		Interp.
	CDXXXXXXXXXXRX	35	103	74	4354		Interp.
	CMXXXXXXXXXXRX	35	103	74	4286		Interp.
	CSXXXXXXXXXXRX	35	120	74	4309		Interp.
	CEXXXXXXXXXXRX	35	141	74	4630		Interp.
	CNXXXXXXXXXXRX	35	141	74	4505		Interp.
	CTXXXXXXXXXXRX	35	141	74	4750		Interp.
	CGXXXXXXXXXXRX	35	170	74	5630		Interp.
	CPXXXXXXXXXXRX	35	170	74	5630		Interp.
	CHXXXXXXXXXXRX	35	170	74	5750		Interp.
9395P	W3XXXXXX0X10RX	35	53	74	1886		Extrap.
	W5XXXXXX0X10RX	35	53	74	1866		Extrap.
	WF31136420110R2	35	53	74	1984		1
	W9XXXXXX0X10RX	35	74	74	3159		Interp.
	W7XXXXXX0X10RX	35	74	74	3184		Interp.
	W6XXXXXX0X10RX	35	82	74	2903		Interp.
	W4XXXXXX0X10RX	35	82	74	2923		Interp.
	W0XXXXXX0X10RX	35	103	74	4196		Interp.
	W8XXXXXX0X10RX	35	103	74	4221		Interp.
	WS20XXXXX0X10RX	35	120	74	4986		Interp.

TRU Compliance, by Structural Integrity Associates, Inc.  
844.TRU.0200 | info@trucompliance.com

# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 17014



<b>Manufacturer:</b> Eaton						<b>TABLE 1</b>	
<b>Model Line:</b> 9395P/9395							
<b>Certified Product Construction Summary:</b> Carbon steel frame and enclosure. Seismic enhancements to be included in production units include a thumb screw at the top of the door and zip ties to retain the UPM plugs.							
<b>Certified Options Summary:</b> FI UPM, IOM, ISBM, UPM/2XUPM/or 3XUPM. See model line numbering for the significance of "X".							
<b>Mounting Configuration:</b> Base mounted - rigid Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
<b>Building Code: CBC 2016</b>		<b>Seismic Certification Limits:</b>		$S_{DS} = 2.0\text{ g} \quad z/h=1.0$ $S_{DS} = 3.2\text{ g} \quad z/h=0.0$		$I_p = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
9395P	WS22XXXXX0X10RX	35	120	74	4986		Interp.
	WS25XXXXX0X10RX	35	120	74	4986		Interp.
	WS27XXXXX0X10RX	35	120	74	4986		Interp.
	WS30XXXXX0X10RX	35	120	74	4986		Interp.
	WS31XXXXX0X10RX	35	120	74	4986		Interp.
	WS40XXXXX0X10RX	35	120	74	4986		Interp.
	WS45XXXXX0X10RX	35	120	74	4986		Interp.
	WS50XXXXX0X10RX	35	120	74	4986		Interp.
	WS54XXXXX0X10RX	35	120	74	4986		Interp.
	WS55XXXXX0X10RX	35	120	74	4986		Interp.
	WNXXXXXXX0X10RX	35	141	74	5086		Interp.
	WEXXXXXXX0X10RX	35	141	74	5111		Interp.
	WPXXXXXXX0X10RX	35	170	74	6248		Interp.
	WGXXXXXXX0X10RX	35	170	74	6273		Interp.
	WS10XXXXX0X10RX	35	141	74	6273		Interp.
	WS11XXXXX0X10RX	35	141	74	6273		Interp.
	WS12XXXXX0X10RX	35	141	74	6273		Interp.
	WS13XXXXX0X10RX	35	141	74	6273		Interp.
	WS60XXXXX0X10RX	35	141	74	6273		Interp.
	WS61XXXXX0X10RX	35	141	74	6273		Interp.
	WS67XXXXX0X10RX	35	141	74	6273		Interp.
	WS75XXXXX0X10RX	35	141	74	6273		Interp.
	WS82XXXXX0X10RX	35	141	74	6273		Interp.
	WS90XXXXX0X10RX	35	141	74	6273		Interp.

TRU Compliance, by Structural Integrity Associates, Inc.  
844.TRU.0200 | info@trucompliance.com

**TRU PROJECT NO. 17014**



TRU Compliance, by Structural Integrity Associates, Inc.  
844.TRU.0200 | [info@trucompliance.com](mailto:info@trucompliance.com)

# SPECIAL SEISMIC CERTIFICATION MODEL LINE NUMBERING - REFERENCE ONLY

TRU PROJECT NO. 17014



<b>Manufacturer:</b> Eaton <b>Model Line:</b> 9395P		UPS Model Line Numbering	<b>TABLE 1.1</b>
Column 1	System	W = EATON 9395P	
Column 2	ISBM/IOM Model (Max Capacity)	A = 275 / 300 ISBM, 1 UPM	
		B = 275 / 300 ISBM, 2 UPM	
		C = 550 / 600 ISBM, 2 UPM	
		D = 550 / 500 ISBM, 3 UPM	
		E = 825 / 900 ISBM, 4 UPM	
		G = 825 / 900 ISBM, 4 UPM	
		H = 1100 / 1200 ISBM, 4 UPM	
		J = 275 / 300 IOM, 1 UPM	
		K = 275 / 300 IOM, 2 UPM	
		L = 550 / 600 IOM, 2 UPM	
		M = 550 / 600 IOM, 3 UPM	
		N = 825 / 900 IOM, 3 UPM	
		P = 825 / 900 IOM, 4 UPM	
		Q = 1100 / 1200 IOM, 4 UPM	
		R = 550 / 600 ISBM, 1 UPM	
		S = 825 / 900 ISBM, 2 UPM	
		T = 1100 / 1200 ISBM, 3 UPM	
		U = 900/900 ISBM, 3 UPM	
		V = 1200/1200 ISBM, 4 UPM	
		W = 900/900 IOM, 3 UPM	
		X = 1200/1200 IOM, 4 UPM	
		Y = 900/900 ISBM, 2 UPM	
		1 = 900/900 ISBM, 4 UPM	
		2 = 1200/1200 ISBM, 3 UPM	
		3 = 300/300 ISBM, 1 UPM	
		4 = 300/300 ISBM, 2 UPM	
		5 = 300/300 IOM, 1UPM	
		6 = 300/300 IOM, 2 UPM	
		7 = 600/600 ISBM, 2 UPM	
		8 = 600/600 ISBM, 3 UPM	
		9 = 600/600 IOM, 2 UPM	
		0 = 600/600 IOM, 3 UPM	
		F = 600/600 ISBM, 1 UPM	
Columns 3 & 4	kVA Rating	20 = 200 kVA	
		22 = 225 kVA	
		25 = 250 kVA	
		27 = 275 kVA	
		30 = 300 kVA	

# SPECIAL SEISMIC CERTIFICATION

## MODEL LINE NUMBERING - REFERENCE ONLY

TRU PROJECT NO. 17014



<b>Manufacturer:</b> Eaton <b>Model Line:</b> 9395P		UPS Model Line Numbering	<b>TABLE 1.1</b>
Columns 3 & 4 (continued)	kVA Rating	31 = 300 kVA	
		40 = 400 kVA	
		45 = 450 kVA	
		50 = 500 kVA	
		54 = 500 kVA	
		55 = 550 kVA	
		60 = 600 kVA	
		61 = 600 kVA	
		67 = 675 kVA	
		75 = 750 kVA	
		82 = 825 kVA	
		90 = 900 kVA	
		91 = 900 kVA	
		10 = 1000 kVA	
		11 = 1100 kVA	
		12 = 1200 kVA	
		13 = 1200 kVA	
Column 5	Input/Output Voltage, Frequency	1 = 480 / 480 V, 60 Hz	
		2 = 480 / 480 V, 50 Hz	
		3 = 400 / 400 V, 50 Hz	
		4 = 400 / 400 V, 60 Hz	
		7 = 380 / 380 V, 50 Hz	
		8 = 415 / 415 V, 50 Hz	
Column 6	Applications	0 = None	
		1 = Frequency Converter	
		2 = Reserved	
		3 = DB (Dist. Byp.) (ISBM Only)	
		4 = SBM (Sys. Byp. Mod.) (IOM Only)	
Column 7	Battery Setup/Rectified Feeds	3 = 480 V Separate Battery Common Rectifier Feeds	
		6 = 480 V Common Battery Common Rectifier Feeds	
Column 8	Breaker/Load Sync Options	0 = No Input Breaker	
		1 = Input Bkr, 65 kAIC	
		2 = No Input Bkr, Load Sync Control	
		3 = Input Bkr, 65 kAIC, Load Sync Control	
		4 = Input Bkr, 100 kAIC	
		5 = Input Bkr, 100 kAIC, Load Sync Control	
Column 9	Configurable Options	0 = Standard	
		1 = IR (Inherent Redundant)	
		2 = Standard, ESS	

TRU Compliance, by Structural Integrity Associates, Inc.  
844.TRU.0200 | info@trucompliance.com



**TRU PROJECT NO. 17014**

[illegible]

# SPECIAL SEISMIC CERTIFICATION MODEL LINE NUMBERING - REFERENCE ONLY

TRU PROJECT NO. 17014



<b>Manufacturer:</b> Eaton <b>Model Line:</b> 9395		UPS Model Line Numbering	<b>TABLE 1.2</b>
Column 1	System	C = 9395	
Column 2	Base Model	A = 275 Capacity w/CSTS	
		B = 275 Redundant w/CSTS	
		C = 550 Capacity w/CSTS	
		D = 550 Redundant w/CSTS	
		E = 825 Capacity w/CSTS	
		G = 825 Redundant w/CSTS	
		H = 1100 Capacity w/CSTS	
		L = 550 Capacity no STS	
		M = 550 Redundant no STS	
		N = 825 Capacity no STS	
		P = 825 Redundant no STS	
		Q = 1100 Capacity no STS	
		R = 550 Undercapacity w/CSTS	
		S = 825 Undercapacity w/CSTS	
		T = 1100 Undercapacity w/CSTS	
		2 = 200 Capacity w/CSTS	
		4 = 400 Capacity w/CSTS	
Columns 3 & 4	UPS kVA Rating	20 = 200 kVA	
		22 = 220 kVA	
		25 = 250 kVA	
		27 = 275 kVA	
		30 = 300 kVA	
		40 = 400 kVA	
		45 = 450 kVA	
		50 = 500 kVA	
		55 = 550 kVA	
		60 = 600 kVA	
		65 = 650 kVA	
		67 = 675 kVA	
		75 = 750 kVA	
		82 = 825 kVA	
		90 = 900 kVA	
Column 5	Voltage Configuration	1 = 480 / 480 V, 60 Hz	
		2 = 480 / 480 V, 50 Hz	
		3 = 400 / 400 V, 50 Hz	
		4 = 400 / 400 V, 60 Hz	

# SPECIAL SEISMIC CERTIFICATION

## MODEL LINE NUMBERING - REFERENCE ONLY

TRU PROJECT NO. 17014



<b>Manufacturer:</b> Eaton <b>Model Line:</b> 9395		UPS Model Line Numbering	<b>TABLE 1.2</b>
Column 6	Applications	0 = None	
		1 = Frequency Converter	
		2 = Power Conditioner	
		3 = Distributed Bypass	
		4 = System Bypass Module	
Column 7	Battery Setup/Rectified Feeds	3 = 480 V Separate Battery, Common Rectifier Feeds	
		6 = 480 V Common Battery, Common Rectifier Feeds	
Column 8	Breaker/Load Sync Options	0 = No Input Breaker	
		1 = Input Bkr, 65 kAIC	
		2 = No Input Bkr, Load Sync Control	
		3 = Input Bkr, 65 kAIC, Load Sync Control	
		4 = Input Bkr, 100 kAIC	
		5 = Input Bkr, 100 kAIC, Load Sync Control	
Column 9	Options	0 = Standard	
		1 = IR (Inherent Redundant)	
		2 = Standard, ESS	
		3 = IR, ESS	
		5 = IR, VMMS	
		6 = IR, ESS, VMMS	
Column 10	Customer Specified Applications	0 = None	
		1 = FAA	
Column 11	Feed Options	0 = None	
		1 = Single Feed	
		2 = Neutral Forming Kit	
		3 = Single Feed and Neutral Forming Kit	
Column 12 & 13	Unused	00 = None	
Column 14 & 15	Location/Model Generation	R1 = Standard	
		R2 = Distributed Bypass Code	
		R3 = ESS Capable	
		R4 = Load Sharing Enhancement	

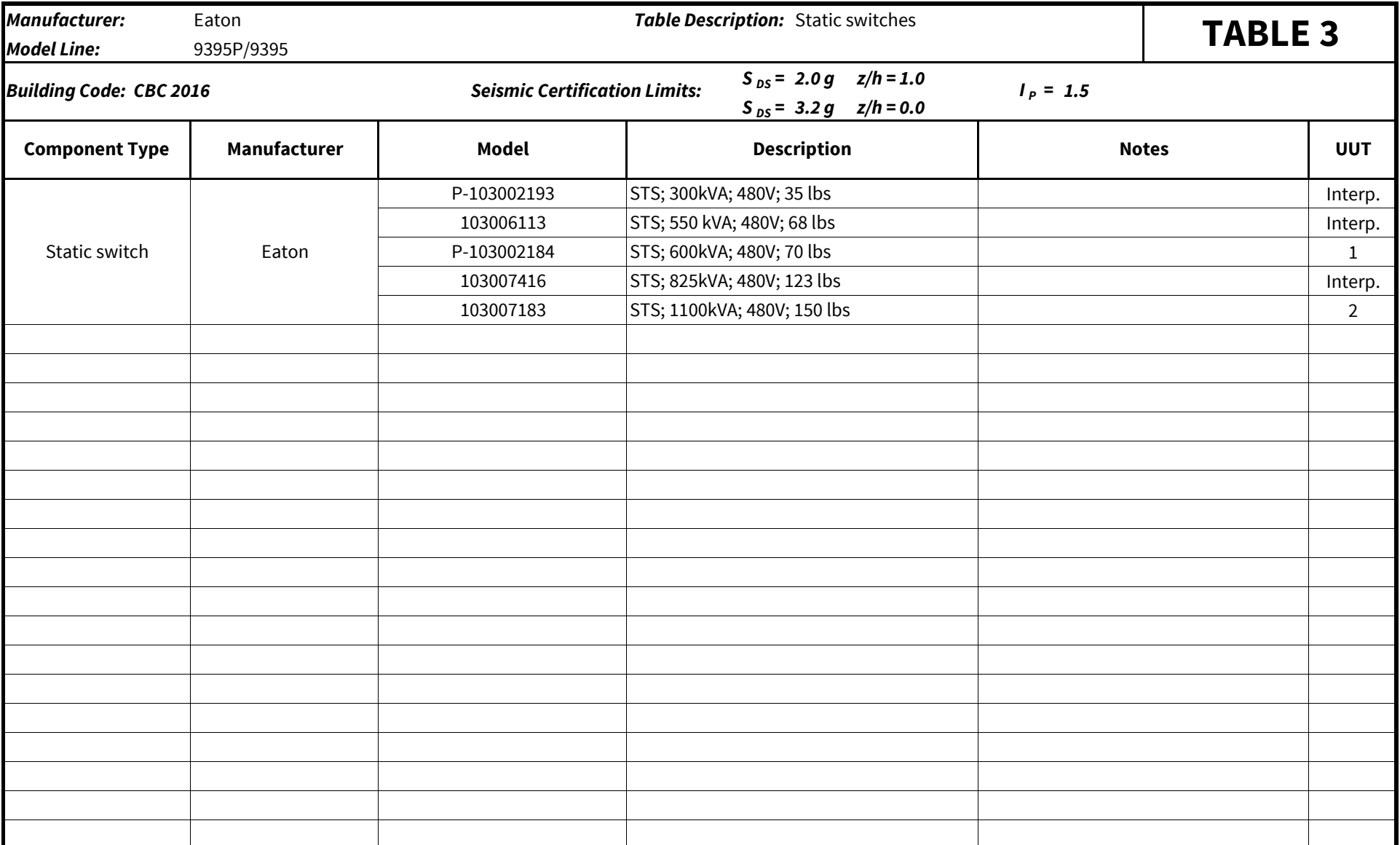
# SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

TRU PROJECT NO. 17014



<b>Manufacturer:</b> Eaton		<b>Table Description:</b> Enclosures			<b>TABLE 2</b>
<b>Model Line:</b> 9395P/9395					
<b>Building Code:</b> CBC 2016		<b>Seismic Certification Limits:</b>		$S_{DS} = 2.0 g \quad z/h = 1.0$ $S_{DS} = 3.2 g \quad z/h = 0.0$	$I_p = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT
Enclosures/Modules	Eaton	P-103001330	FI-UPM; 480V; 1037 lbs		2
		103006663	FI-UPM; 400V; 1380 lbs		Interp.
		103005906	FI-UPM; 480V; 1380 lbs		Interp.
		103006250	UPM; 275 kVA; 480V; 909 lbs		Interp.
		103006652	UPM; 275kVA; 400V; 909 lbs		Interp.
		P-103001350	UPM; 275kW; 480V; 1180 lbs		2
		P-103002027	UPM; 300kW; 480V (RPO); 1184 lbs		1
		P-103001680	300 UPM w/ISBM; 1886 lbs		1
		P-103002254	300 UPM w/IOM; 1886 lbs		Interp.
		P-103002180	600 UPM w/ISBM; 3184 lbs		Interp.
		P-103002257	600 UPM w/IOM; 3159 lbs		Interp.
		P-103001409	2XUPM; 480V; 2368 lbs		Interp.
		P-103001326	3XUPM; 480V; 3552 lbs		2
		P-103001325	825/900 ISBM; 1684 lbs		Interp.
		P-103001341	1100 IOM; 1908 lbs		Interp.
		P-103001332	1100/1200 ISBM; 1933 lbs		2

**TRU PROJECT NO. 17014**



# SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

TRU PROJECT NO. 17014



<b>Manufacturer:</b> Eaton		<b>Table Description:</b> Breakers			<b>TABLE 4</b>
<b>Model Line:</b> 9395P/9395					
<b>Building Code:</b> CBC 2016		<b>Seismic Certification Limits:</b>		$S_{DS} = 2.0\text{ g}$ $z/h = 1.0$ $S_{DS} = 3.2\text{ g}$ $z/h = 0.0$	$I_p = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT
Breaker	Eaton	CLDB3600FT33WP05	L-Frame; 35 kA; 9 lbs		Extrap.
		LD3600WKA06	L-Frame; 35 kA; 9 lbs		Extrap.
		LGH360033W	LG-Frame; 65 kA; 16 lbs		1
		LGC360033W	LG-Frame; 100 kA; 16 lbs		Interp.
		LGC360033W	LG-Frame; 100 kA; 16 lbs		Interp.
		CNDC312T33WP08	N-Frame; 100 kA; 21 lbs		Interp.
		NGC312T33WP08	NG-Frame; 100 kA; 45 lbs		Interp.
		NGC312033M	NG-Frame; 100 kA; 45 lbs		Interp.
		NGH312T33WA13P08S10	NG-Frame; 65 kA; 45 lbs		Interp.
		NGH312T33WA06P08	NG-Frame; 65 kA; 45 lbs		Interp.
		RGH320033MC	RG-Frame; 65 kA; 102 lbs		Interp.
		RGC320T33WP16	RG-Frame; 100 kA; 102 lbs		Interp.
		RGC320033MC	RG-Frame; 100 kA; 102 lbs		2

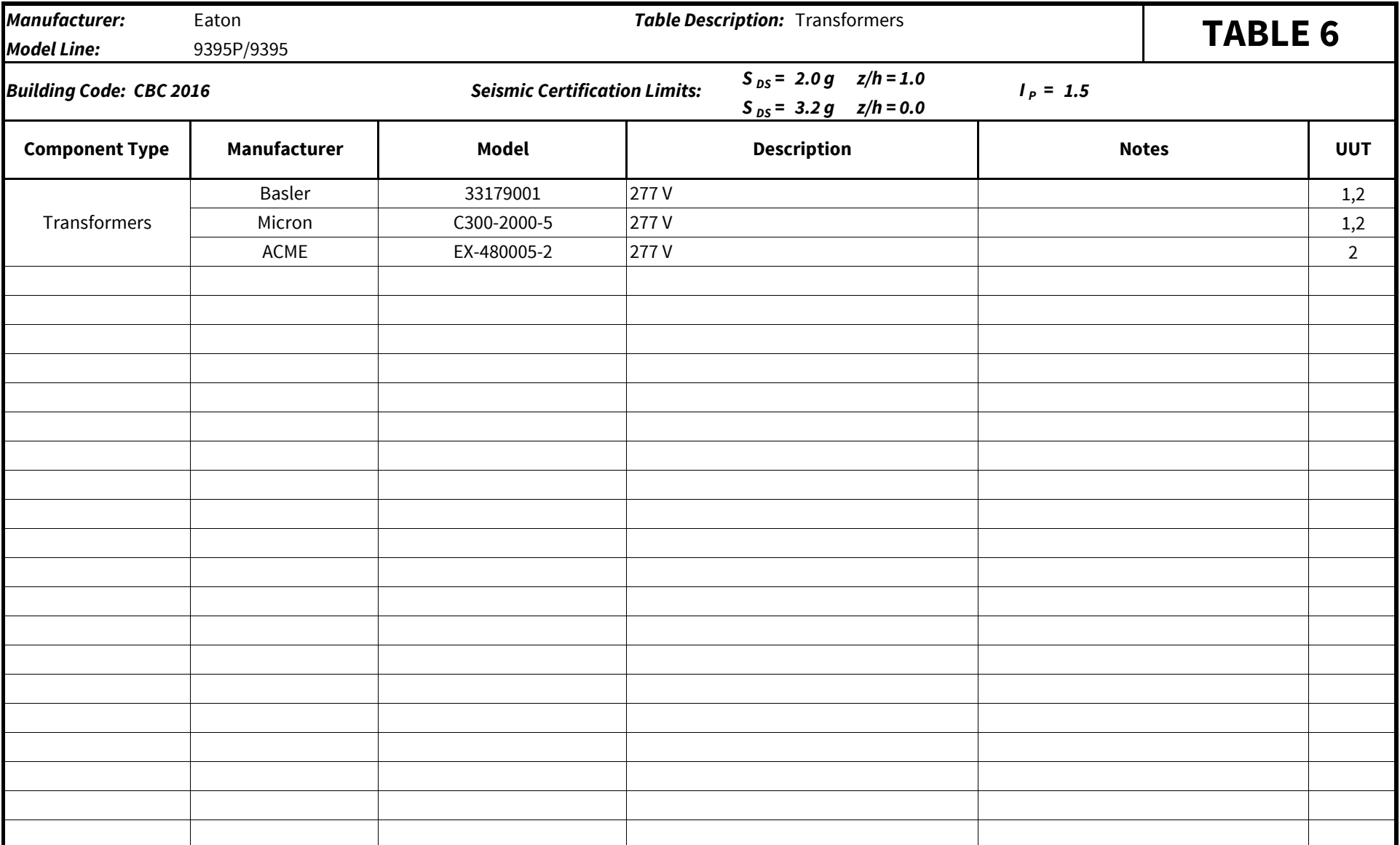
# SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

TRU PROJECT NO. 17014



<b>Manufacturer:</b> Eaton		<b>Table Description:</b> Contactors			<b>TABLE 5</b>
<b>Model Line:</b> 9395P/9395					
<b>Building Code:</b> CBC 2016		<b>Seismic Certification Limits:</b>		$S_{DS} = 2.0\text{ g}$ $z/h = 1.0$ $S_{DS} = 3.2\text{ g}$ $z/h = 0.0$	$I_P = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT
Contactor	Cutler-Hammer	XTCE225L22TD	386 A; 1000 VAC; 3 Pole. N.O.; 7 lbs		1
		XTCE250L22TD	429 A; 1000 VAC; 3 Pole. N.O.; 14 lbs		1,2
		XTCE300M22TD	515 A; 1000 VAC; 3 Pole; 18 lbs		Interp.
		XTCE400L22TD	612 A; 1000 VAC; 3 Pole. N.O.; 18 lbs		1
		XTCE400M22TD	685 A; 1000 VAC; 3 Pole; 18 lbs		Interp.
		XTCE500L22TD	857 A; 1000 VAC; 3 Pole. N.O.; 18 lbs		2
		XTCEC14P22B	1700 A; 400VAC; 3 Pole; coil 230 VDC; 33 lbs		Interp.
		XTCE580N22SWDE	980 A; 1000VAC; 3 Pole; 33 lbs		Interp.
		XTCEC10N22Y	1225A; 1000 VAC; 3 Pole; 33 lbs.		Interp.
		XTCEC20R22B	2450 A; 1000VAC; 3 Pole; 70 lbs		2
	Moeller	DILM225/22(RDC48)	386 A; 1000 VAC; 3 Pole. N.O.; 7 lbs	identical to XTCE225L22TD (branding)	Interp.
		DILM250/22(RDC48)	429 A; 1000 VAC; 3 Pole. N.O.; 14 lbs	identical to XTCE250L22TD (branding)	Interp.
		DILM400/22(RDC48)	612 A; 1000 VAC; 3 Pole. N.O.; 18 lbs	identical to XTCE400L22TD (branding)	Interp.
		DILM500/22(RDC48)	857 A; 1000 VAC; 3 Pole. N.O.; 18 lbs	identical to XTCE500L22TD (branding)	Interp.
		DILH1400/22(RAW250)	1700 A, 400VAC; 3 Pole, coil 230 VDC; 33 lbs	identical to XTCEC14P22B (branding)	Interp.
		DILM580/22(RAL110)-SOND721	980A; 1000VAC; 3 Pole; 33 lbs	identical to XTCE580N22SWDE (branding)	Interp.
		DILH2000/22(RAW250)	2450A; 1000VAC; 3 Pole; 70 lbs	identical to XTCEC20R22B (branding)	Interp.

**TRU PROJECT NO. 17014**





# UNIT UNDER TEST (UUT) SUMMARY SHEET

TRU PROJECT NO. 17014



<b>Manufacturer:</b>	Eaton	<b>UUT 1</b>
<b>Model Line:</b>	9395P/9395	
<b>Model Number:</b>	WF31136420110R2	
		<b>Serial Number:</b> 600 Seismic

**Product Construction Summary:**  
Powder coated carbon steel framing.

**Options/Subcomponent Summary:**  
600/600 ISBM, (1 UPM), 300kVA; 600kW - 480V Static Switch; LG-Frame 65 kA breaker; 386, 429, and 612A Contactors; (2) 277V Transformers.

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back	Side-Side	Vertical				
1984	35	53	74	7.77	17.49		>33.3			
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S <sub>DS</sub>	z/h	I <sub>P</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2016		ICC-ES AC156		2.0 g	1.0	1.5	3.2	2.4	2.13	0.85
				3.2 g	0.0					

**Test Mounting Details:**



The unit was rigid floor mounted using (6) 1/2" Grade 5 bolts.  
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.  
Contents were included in testing per operating conditions.

# UNIT UNDER TEST (UUT) SUMMARY SHEET

TRU PROJECT NO. 17014



<b>Manufacturer:</b>	Eaton	<b>UUT 2</b>
<b>Model Line:</b>	9395P/9395	
<b>Model Number:</b>	WV13106460110R2	
		<b>Serial Number:</b> ZX2873JJ03

**Product Construction Summary:**  
Powder coated carbon steel framing.

**Options/Subcomponent Summary:**  
1200/1200 ISBM + 3XUPM + FI-UPM, 1200kVA; 2000A Static Switch; RG-Frame 100 kA Breaker; 429, 857, and 2450A Contactors; (3) 277V Transformers.

UUT Properties										
Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)						
	Depth	Width	Height	Front-Back	Side-Side	Vertical				
6850	35	170	74	9.13	13.39	>33.3				
UUT Highest Passed Seismic Run Information										
Building Code		Test Criteria		S <sub>DS</sub>	z/h	I <sub>P</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2016		ICC-ES AC156		2.0 g	1.0	1.5	3.2	2.4	2.13	0.85
				3.2 g	0.0					

**Test Mounting Details:**



The unit was rigid floor mounted to the table using (22) 9/16" Grade 5 bolts.  
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.  
Contents were included in testing per operating conditions.