Facilities Development Division www.oshpd.ca.gov/fdd
400 R Street. Suite 200, Sacramento, California 95811-6213 Phone (916) 440-8300 Fax (916) 654-2973

APPLICATION FOR PREAPPROVAL

SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

For Office Use Only

APPLICATION NO.

OSP – 0172-10

Check whether application is: NEW [X] RENEWAL [ ]

1.0

Caterpillar (CAT)	Jay Scali
Manufacturer	*Manufacturer's Technical Representative*

4955 Marconi Drive, Alpharetta, GA 30005
Mailing Address

(678) 746-5146	JRScali@cat-iso.com
Telephone	*E-mail Address*

2.0

Caterpillar (CAT) Intelligent Switchgear Organization LLC	Automatic Transfer Switches
Product Name	*Product Type*

See GE Zenith Controls OSP-0035-10
Product model No (List all unique product identification numbers and/or serial numbers)

General Description: GE Zenith corporation manufactures Automatic Transfer Switches under the OSP's referred in the product model number above, which is then BRAND LABELED as Caterpillar (CAT) – Intelligent Switchgear Organization LLC. Each product/regulatory submittal shall be accompanied by Zenith certification of compliance in accordance with the CBC 2010 Section 1708A.4 and Zenith label in accordance with CBC 2010 section 1703A.5.3. All the limitations and expiration date for the referenced Zenith OSP's shall apply to this approval.

3.0

Caterpillar (CAT)	Jay Scali
Applicant Company Name	*Contact Person*

4955 Marconi Drive, Alpharetta, GA 30005
Mailing Address

(678) 746-5146	JRScali@cat-iso.com
Telephone	*E-mail Address*

I hereby agree to reimburse the Office of Statewide Health Planning and Development for the actual costs incurred by the department for review.

	4/5/2011
Signature of Applicant	*Date*
Project Manager	Caterpillar (CAT)
Title	*Company Name*

Registered Design Professional Preparing the Report

4.0

Mason West, Inc.
Company Name

Jimmy Wong | S 4744
Contact Name | *California License Number*

1601 E Miraloma Ave, Placetie, CA 92870
Mailing Address

(714) 630-0701 | jwong@masonwest.com
Telephone | *E-mail Address*

California Licensed Structural Engineer Review and Acceptance of the Report

5.0

Mason West, Inc.
Company Name

Jimmy Wong | S 4744
Contact Name | *California License Number*

1601 E Miraloma Ave, Placetie, CA 92870
Mailing Address

(714) 630-0701 | jwong@masonwest.com
Telephone | *E-mail Address*

Anchorage Pre-Approval

6.0

☐ *Anchorage is pre-approved under OPA-*
(Separate application for anchorage pre-approval is required)

☒ Anchorage is not Pre-approved

Certification Method

70. ☒ *Testing in accordance with:* ☐ *ICC-ES AC-156* ☒ *Other (Please Specify):*

See Section 2.0

☐ *Analysis*
☐ *Experience data*
☐ *Combination of Testing, Analysis, and/or Experience Data (Please Specify):*

Testing Laboratory (if applicable)

8.0

Clark Dynamic Test Laboratory | John Antenucci
Company Name | *Contact Name*

1801 Route 51, Jefferson Hills, PA 15025
Mailing Address

412-382-7173 | jrantenucci@clarkdynamic.com
Telephone | E-mail:

Approval Parameters

9.0

Design in accordance with ASCE 7-05 Chapter 13: ☒ Yes ☐ No

Design Basis of Equipment or Components (F_p/W_p) = See Section 2.0

S_{DS} (Spectral response acceleration at short period) = See Section 2.0

a_p (In-structure equipment or component amplification factor) =See Section 2.0

R_p (Equipment or component response modification factor) =See Section 2.0

I_p (Importance factor) = 1.5

z/h (Height factor ratio)=1.0

Equipment or Component fundamental period(s) = See Section 2.0

Building period limits (if any) =N/A

Overall dimensions and weight (or range thereof) = See Section 2.0

Equipment or Components @ grade designed in accordance with ASCE 7-05 Chapter 15: ☐ Yes ☒ No

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

S_{DS} (Spectral response acceleration at short period) =

S_1 (Spectral response acceleration at 1 second period) =

R (Response modification coefficient)=1.0

Ω_0 (System overstrength factor) =1.0

C_d (Deflection amplification factor) =1.0

I_p (Importance factor) =1.5

Height to Center of Gravity above base =

Equipment or Component fundamental period(s) = Sec

Overall dimensions and weight (or range thereof) =

Tank(s) designed in accordance with ASME BPVC, 2007: ☐ Yes ☒ No

10.0 ***List of attachments supporting the special seismic certification of equipment or components:***

☐ *Test Report* ☐ *Drawings* ☐ *Manufacturer's Catalog*

☐ *Calculations* ☒ *Others (Please Specify): See Section 2.0*

11.0 ***OSHPD Approval*** *(For Office Use Only)*

Signature & Date **4/5/2011**	**December 31, 2016** *Approval Expiration Date*
Chris Tokas, SHFR *Name & Title*	S_{DS} (g) = **See Section 2.0** z/h = **1.0** *Special Seismic Certification Valid Up to*

Condition of Approval (if any):