APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0454

OSHPD Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Tornatech, Inc.

Manufacturer's Technical Representative: Felix Turcotte

Mailing Address: 7075 Pl. Robert-Joncas #132, Saint-Laurent, QC H4M 2Z2

Telephone: (514) 334-2503 Email: felixt@tornatech.com

Product Information

Product Name: Electrical Control Panels on Life Safety/Critical Branch

Product Type: Fire Protection & Security Panels

Product Model Number: Varies, see attachment.

General Description: Electric and diesel fire pump controllers with various subcomponents with carbon or stainless enclosures.

Mounting Description: Rigid base/wall and Rigid wall mounted

Tested Seismic Enhancements: None

Applicant Information

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

Contact Person: Galen Reid

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

Telephone: (541) 604-7225 Email: greid@structint.com

Title: Manager, TRU Compliance

REVIEWED FOR CODE COMPLIANCE OSHPD OSP-0454 BY: Mohammad Yasin DATE: 09/03/2021 CALIFORNIA BUILDING CODE, 2019

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

Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.

Name: Andrew Coughlin California License Number: S6082

Mailing Address: 5215 Hellyer Ave, Suite 101, San Jose, CA 95138-1025

Telephone: (415) 635-8461 Email: acoughlin@structint.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: Russell Matich

Mailing Address: 1801 Route 51, Jefferson Hills PA 15025

Telephone: (412) 387-1004 Email: rmatich@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

REVIEWED FOR CODE COMPLIANCE OSHPD OSP-0454 BY: Mohammad Karim DATE: 09/03/2021 CALIFORNIA BUILDING CODE 2019

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.50 (SDS = 2.00); 1.44 (SDS = 3.20)

S_{DS} (Design spectral response acceleration at short period, g) = 2.0 (z/h = 1.0); 3.2 (z/h = 0.0)

a_p (Amplification factor) = 2.5

R_p (Response modification factor) = 6.0

Ω_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

REVIEWED FOR CODE COMPLIANCE
OSHPD
OSP-0454
BY: Mohammad Karim
DATE: 09/03/2021
CALIFORNIA BUILDING CODE, 2019

OSHPD Approval (For Office Use Only) - Approval Expires on 12/31/2025

Date: 9/3/2021

Name: Mohammad Karim Title: Supervisor, Health Facilities

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

Condition of Approval (if applicable):