



APPLICATION FOR PREAPPROVAL SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

For Office Use Only

APPLICATION NO.
OSP – 0299 – 10

Check whether application is: NEW RENEWAL

1.0 Data-Aire Neel Shah
Manufacturer *Manufacturer's Technical Representative*
 230 W. Blueridge Ave, Orange, CA 92865
Mailing Address

(800) 347-2473

Telephone

nshah@dataaire.com

E-mail Address

2.0 gForce Chilled Water Cooling Units
Product Name *Product Type*
 GFCD/U Size 007 thru 260
Product model No (List all unique product identification numbers and/or serial numbers)

General Description: External neoprene vibration isolated in-room air handling units. Certification is limited to units installed on floor stands. Seismic enhancements made to the test units and modifications required to address anomalies observed during the tests, shall be incorporated into the production units.

3.0 The VMC Group John P. Giuliano, PE
Applicant Company Name *Contact Person*
 113 Main St, Bloomingdale NJ, 07403
Mailing Address

973-838-1780

Telephone

john.giuliano@thvmcgroup.com

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.

9/28/12

Signature of Applicant

Date

President

Title

The VMC Group

Company Name



Registered Design Professional Preparing the Report

4.0 The VMC Group
Company Name

Mr. Kai Yin Ho SE4941
Contact Name *California License Number*

113 Main Street, Bloomingdale NJ, 07403
Mailing Address

973-838-1780 ken.tarlow@thevmcgroup.com
Telephone *E-mail Address*

California Licensed Structural Engineer Review and Acceptance of the Report

5.0 The VMC Group
Company Name

Mr. Kai Yin Ho SE4941
Contact Name *California License Number*

113 Main Street, Bloomingdale NJ, 07403
Mailing Address

973-838-1780 ken.tarlow@thevmcgroup.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

7.0 Testing in accordance with: ICC-ES AC-156 Other (Please Specify):

Analysis

Experience data

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

Testing Laboratory (if applicable)

8.0 PEER, UC Berkeley Wesley Neighbour
Company Name *Contact Name*

1302 South 46th St., Richmond Ca 94804
Mailing Address

510-665-3409 wdn@berkeley.edu
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) = 2.97 g's

S_{DS} (Spectral response acceleration at short period) = 1.65 g's
 a_p (In-structure equipment or component amplification factor) = 2.5

R_p (Equipment or component response modification factor) = 2.5

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = 1.0

Equipment or Component fundamental period(s) = See Attached Matrix

Building period limits (if any) = N/A

Overall dimensions and weight (or range thereof) = See Attached Matrix

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):

11.0 OSHPD Approval (For Office Use Only)


 Signature & Date

Timothy J. Piland, SSE

Name & Title

July 2, 2013

December 31, 2019

Approval Expiration Date

S_{DS} (g) = **1.65** z/h = **1.0**

Special Seismic Certification Valid Up to

Condition of Approval (if any):