

### A. APPLICATION FOR VMC SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (VMA)

OFFICE USE ONLY

APPLICATION #: VMA-

Type: ☐ Modify ☐ New ☐ Renewal

### B. Manufacturer Information

Manufacturer: \_\_\_\_\_

Manufacturer's Technical Representative: \_\_\_\_\_

Site Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

### C. Product Information

Product Name: \_\_\_\_\_

Product Type: \_\_\_\_\_

Product Model Number: \_\_\_\_\_  
(List All Unique Product Identification Numbers and/or Part Numbers)

General Description: \_\_\_\_\_

Mounting Description: \_\_\_\_\_

### D. Applicant Information

Applicant Company Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

I hereby agree that the application/review fee submitted with this application is non-refundable.  
Check should be made payable to VMC Group.

Signature of Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_ Company Name: \_\_\_\_\_

## E. United States Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: \_\_\_\_\_

Name: \_\_\_\_\_ State and License Number: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

## F. Certification Method

☐ Testing in Accordance With: ☐ ICC-ES AC156

☐ Other (Please Specify): \_\_\_\_\_

## G. Testing Laboratory

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Email: \_\_\_\_\_

## H. Seismic Parameters

Design in Accordance With ASCE 7 Chapter 13: Yes ☐ No ☐

Design Basis of Equipment or Components ( $F_p/W_p$ ) = \_\_\_\_\_

$S_{DS}$  (Design Spectral Response Acceleration at Short Period, g) = \_\_\_\_\_

$a_p$  (In-structure Equipment or Component Amplification Factor) = \_\_\_\_\_

$R_p$  (Equipment or Component Response Modification Factor) = \_\_\_\_\_

$I_p$  (Importance Factor) = 1.5 \_\_\_\_\_

$z/h$  (Height Factor Ratio) = \_\_\_\_\_

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

Overall Dimensions and Weight (or Range Thereof) = \_\_\_\_\_

Tank(s) Designed in Accordance With ASME BPVC, 2010: ☐ Yes ☐ No

## I. List of Attachments Supporting Special Seismic Certification

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

☐ Other(s) (Please Specify): \_\_\_\_\_

### J. Approved Manufacturing Facilities

#### Facility 1

Site Address:

ISO 9001 Certified:      Yes      No

Completed Initial Audit of Quality Management System:      Yes      No

Seismic test units provided by this facility:

Two or more      Only one      None

If Yes, list reference Test Report:

Date of Latest On-Site Inspection:

#### Facility 2

Site Address:

ISO 9001 Certified:      Yes      No

Completed Initial Audit of Quality Management System:      Yes      No

Seismic test units provided by this facility:

Two or more      Only one      None

If Yes, list reference Test Report:

Date of Latest On-Site Inspection:

#### Facility 3

Site Address:

ISO 9001 Certified:      Yes      No

Completed Initial Audit of Quality Management System:      Yes      No

Seismic test units provided by this facility:

Two or more      Only one      None

If Yes, list reference Test Report:

Date of Latest On-Site Inspection:

#### Facility 4

Site Address:

ISO 9001 Certified:      Yes      No

Completed Initial Audit of Quality Management System:      Yes      No

Seismic test units provided by this facility:

Two or more      Only one      None

If Yes, list reference Test Report:

Date of Latest On-Site Inspection:

## K. VMC Approval (For Office Use Only) – Approval Expires On:

Signature: _____	Date: _____
Print Name: _____	Title: _____
Special Seismic Certification Valid Up To: $S_{DS}$ (g) = _____	z/h = _____
Condition of Approval (If Applicable): _____	

## INSTRUCTIONS FOR APPLICANT

This form is required for all VMC IBC Certification Preapproval (VMA) application submittals.

Please download this PDF, filling in all applicable information to apply for Special Seismic Certification through VMC Group's engineering services division. Upon submission of the signed application and receipt of the listing fee of \$5,000.00, the process of obtaining a VMA Number will begin.

For those who have testing completed by another organization or have self-certified, please fill out all sections.

For those looking to obtain IBC Certification, please fill out sections A, B, C & D, and submit all applicable documents to [info@ibcapproval.com](mailto:info@ibcapproval.com).

For any section where you may run out of room, please type continued and attach the balance of the content along with the application on an additional page.

### Manufacturer Information

- Enter the Manufacturer's identification and contact information.

### Product Information

- Enter the product identification information and product description.
- For product model number(s), list all unique product identification numbers and/or part numbers.

### Applicant Information

- Enter the contact information for the applicant and company legally responsible for review fees.
- Note: Copies of correspondence will be sent to the Manufacturer's Technical Representative and the Applicant.

### United States Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

- Enter contact information for the United States Licensed Structural Engineer for the engineering recommendation and test report(s) review & acceptance.

### Supports and Attachments Preapproval

- Enter related VMC Certification Preapproval of Manufacturer's Certification (VMA) information, if any.

### Certification Method

- VMA's are based on tests in accordance with the ICC-ES AC156. Historical test data that are not based on the ICC-ES AC156 may be accepted when equivalence to the ICC-ES AC156 requirements are established.

### List of Attachments Supporting Special Seismic Certification

- List all attachments supporting the Special Seismic Certification.
- Attachments shall be separated into two groups and submitted electronically.
  - Group-1: Attachments that will be posted on the VMC Certification website:
    - List of equipment/components that shall be certified:
      - Identification numbers (model numbers or part numbers).
      - Size ranges (length, width, and height ranges).
      - Weight ranges.
      - $S_{DS}$ , if there is more than one  $S_{DS}$  for approval.
      - $z/h$ , if there is more than one  $z/h$  for approval.
      - List of major sub-assemblies and sub-components to be certified, when required by ICC-ES AC156 Section 5.2.2.1.
    - Description of Unit Under Test (UUT) in accordance with ICC-ES AC156 (for information only):
      - Detailed description of UUT including UUT configuration, listing of major sub-assemblies and sub-components, and any other applicable product differentiation.
      - Description of mounting method and configuration, including fastenings as applicable.
      - Photograph of the component set-up on the shake table.
      - Shake table test seismic parameters.
      - Lowest resonant frequencies in each of the three directions.
      - Statement to verify that units were full of content during tests, if applicable.
      - Statement to verify that the units maintained structural integrity and functionality, after the ICC-ES AC156 test.
  - Group-2: Attachments that are required for review but **will not** be posted at VMC Certification website:
    - Application fee.
    - Test report(s).
    - Verification of similarities for interpolated units in the form of manufacturer's catalog and/or schematic cut sheets.
    - Where a listing of major sub-assemblies and sub-components are not required by ICC-ES AC156 Section 5.2.2.1, a certification by the manufacturer that explicitly addresses all four items listed below shall be included:
      1. Part numbers for the unit or system uniquely identifying the configuration, manufacturers, and materials of the sub-components within the unit or system (The part number uniquely identifies the unit or system).
      2. Sub-component manufacturers and materials within the two tested units used for interpolation are the same\*.
      3. Sub-component manufacturers and materials within the interpolated units are the same\* as the two tested units used for interpolation.
      4. Configuration of the interpolated units is similar to the two tested units used for interpolation.

\*Two materials are considered the “same” when they have the same ASTM standard (or equivalent), material, and grade that define their mechanical properties within a given range. For example, if the two sub-components are built using carbon steel ASTM A36 material they are considered to be constructed of the “same” material.

**Submit all documents for review electronically to: [info@ibcapproval.com](mailto:info@ibcapproval.com)**