APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY	
APPLICATION #:	OSP – 0073 – 10

OSHPD Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Honeywell

Manufacturer's Technical Representative: Paul Keurian

Mailing Address: 12 Clintonville Road, Northford, CT 06472

Telephone: 203.484.6405 Email: paul.keurian@honeywell.com

Product Information

Product Name: Gamewell-FCI

Product Type: Fire Control Panels

Product Model Number: Custom configured. See attachments.
(List all unique product identification numbers and/or part numbers)

General Description: Wall Mounted custom Fire Control Panels with communication devices.

Mounting Description: Rigid wall mounted.

Applicant Information

Applicant Company Name: The VMC Group

Contact Person: John P. Giuliano

Mailing Address: 113 Main Street, Bloomingdale, NJ 07403

Telephone: 973-838-1780 Email: john.giuliano@thevmcgroup.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2013.

Signature of Applicant: Date: 10/16/13

Title: President Company Name: The VMC Group

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

Company Name: The VMC Group

Name: Kenneth Tarlow California License Number: SE2851

Mailing Address: 113 Main St, Bloomingdale, NJ 07403

Telephone: 973-838-1780 Email: ken.tarlow@thevmcgroup.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: UC Berkeley

Contact Name: Wesley Neighbour

Mailing Address: 1301 South 46th Street, Building 420, Richmond, CA 94804

Telephone: 510-665-3409 Email: wdn@berkeley.com

Seismic Parameters

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

Design Basis of Equipment or Components (F_p/W_p) = 1.50 (S_{DS} = 2.0 g, z/h = 1.0) ; 1.125 (S_{DS} = 2.5 g, z/h = 0.0)

S_{DS} (Design spectral response acceleration at short period, g) = 2.0 (z/h = 1.0) ; 2.5 (z/h = 0.0)

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

R_p (Equipment or component response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2.5

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = 1.0 (S_{DS} = 2.0 g) ; 0.0 (S_{DS} = 2.5 g)

Equipment or Component Natural Frequencies (Hz) = See Attached Matrix

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

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) = _____

Ω_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, 2010: ☐ Yes ☒ No

List of Attachments Supporting Special Seismic Certification

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

☐ Other(s) (Please Specify): _____

OSHPD Approval (For Office Use Only) – **Approval Expires on December 31, 2019**

Signature: _____ Date: December 20, 2013

Print Name: Timothy J. Piland Title: SSE

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

Condition of Approval (if applicable): _____

Table 1 - Certified Product Table

Catalog Series	Gamewell / FCI Model Number	Input Voltage [V]	Phase	Frequency [Hz]	Cabinet Style	Max. System Weight (Note 1) [lbs]	Product Manufacturer	Tested / Interpolated / Extrapolated
E3 LOC	E3BB-BAA (Painted Black)	24V	N/A	N/A	CAB-AA	18.9	Honeywell	UUT 8
7100 Slim Fire Alarm Control Panel	7100-1D-PNL	120V	1 Phase	50/60 HZ	602	24.0	Honeywell	UUT 2
E3 Series B-SLIM	E3BB-RBSLIM	120V	1 Phase	50/60 HZ	602	29.1	Honeywell	Interpolated
S3 (SLP) Series	SLP-BLK SLP-RED	120V	1 Phase	50/60 HZ	602	29.4	Honeywell	UUT 3
Netsolo 7100 Fire Alarm Control Panel	1100-0480 (Painted Black) 1100-0481 (Painted Red)	120V	1 Phase	50/60 HZ	CAB-B	30.0	Honeywell	UUT 1
E3 Series Intelligent Network Transponder (INX)	E3BB-BB/INX (Painted Black) E3BB-RB/INX (Painted Red)	120V	1 Phase	50/60 HZ	CAB-B	31.0	Honeywell	UUT 6
E3 Series Intelligent Network Command Center (INCC)	E3BB-BB (Painted Black) E3BB-RB (Painted Red)	120V	1 Phase	50/60 HZ	CAB-B	32.4	Honeywell	UUT 4
E3 Series Intelligent Network Command Center (INCC)	E3BB-BC/INCC (Painted Black) E3BB-RC/INCC (Painted Red)	120V	1 Phase	50/60 HZ	CAB-C	38.2	Honeywell	Interpolated
E3 Series Intelligent Network Transponder (INX)	E3BB-BC/INX (Painted Black) E3BB-RC/INX (Painted Red)	120V	1 Phase	50/60 HZ	CAB-C	42.0	Honeywell	Interpolated
E3 Series Intelligent Network Command Center (INCC)	E3BB-BD/INCC (Painted Black) E3BB-RD/INCC (Painted Red)	120V	1 Phase	50/60 HZ	CAB-D	44.0	Honeywell	UUT 5
E3 Series Intelligent Network Transponder (INX)	E3BB-BD/INX (Painted Black) E3BB-RD/INX (Painted Red)	120V	1 Phase	50/60 HZ	CAB-D	52.0	Honeywell	UUT 7

Notes
1) Max System Weight Does Not Include Batteries

Certified Product Sub-Component Tables

Table 2 - Cabinet Matrix

Cabinet Style	Dimensions [in]			Panel Material / Thickness	Cabinet Weight [lbs]	Product Manufacturer	Tested / Interpolated / Extrapolated
	Length	Width	Depth				
CAB-AA	19.38	10.00	4.5	CRS / 16 Gage	12.85	Honeywell	UUT 8
602	21.5	14.094	4.5	CRS / 18 Gage	15.5	Honeywell	UUT 2 / 3
CAB-B	19.38	19.38	4.5	CRS / 16 Gage	24.0	Honeywell	UUT 1 / 4 / 6
CAB-C	30.0	19.38	4.5	CRS / 16 Gage	32.0	Honeywell	Interpolated
CAB-D	41.0	19.38	4.5	CRS / 16 Gage	42.0	Honeywell	UUT 5 / 7

Notes
2) All Cabinets Are UL 864 & NEMA 1 Rated

Table 3 - Structural Subcomponent Matrix

Description	Gamewell-FCI Model Number	Material / Thickness	Product Size [in]	Weight [lbs]	Part Manufacturer	Tested / Interpolated / Extrapolated
7 A/H 602 Seismic Battery Bracket Kit	90518	CRS / 16 Gauge	13.05" L x 2.88" H x 2.67" W	1.00	Honeywell	UUT 2
12 A/H 602 Seismic Battery Bracket Kit	90517	CRS / 16 Gauge	16.58" L x 2.88" H x 3.97" W	1.25	Honeywell	UUT 3
7 A/H E3 Seismic Battery Bracket & Riser Kit	90516	CRS / 16 Gauge	16.48" L x 2.88" H x 2.67" W (Bracket) 15.25" L x 3.00" H x .31" W (Riser)	2.50	Honeywell	UUT 1
12 A/H E3 Seismic Battery Bracket Riser Kit	90519	CRS / 16 Gauge	13.05" L x 2.88" H x 3.97" 15.25" L x 3.00" H x .31" W (Riser)	2.75	Honeywell	UUT 6
18 A/H E3 Seismic Battery Bracket Riser Kit	90520	CRS / 16 Gauge	16.48" L x 5.27" H x 3.11" W (Bracket) 15.25" L x 3.00" H x .31" W (Riser)	3.25	Honeywell	UUT 4 / 5 / 7

Table 4 - Energized Subcomponent Matrix

Part Description	Gamewell-FCI Model Number	Material	Product Length [in]	Product Height [in]	Product Thickness (T), Width (W), or Depth (D) [in]	Weight [lbs]	Part Manufacturer	Tested / Interpolated / Extrapolated
CAOM Class A Options Combinations Module for SLCs	1100-1233	FR4 (PCB)	2.20	1.15	0.062 (T)	0.1	Honeywell	UUT 1 / 2
MCOM Municipal Connection Option Module for Local Energy City Box	1100-1234	FR4 (PCB)	2.20	1.85	0.062 (T)	0.1	Honeywell	UUT 1 / 2
FML-E3 Fiber Multiple Line PCB	FML-E3	FR4 (PCB)	3.00	1.50	0.062 (T)	0.1	Honeywell	UUT 3
FSL-E3 Fiber Single Line PCB	SLP-RB	FR4 (PCB)	3.00	1.50	0.062 (T)	0.1	Honeywell	UUT 4 / 5 / 7
Transformer 120V	T7100	CRS, Ferrous Magnet & Copper Wire, Phenolic	4.50	2.80	2.500 (W)	2.9	MCI Transformer Corp.	UUT 1 / 2
Apollo SLC PCB	SLC95-PM	FR4 (PCB)	4.60	1.40	0.062 (T)	0.1	Honeywell	UUT 3
System Sensor SLC Card	SLC-PM	FR4 (PCB)	4.60	1.40	0.062 (T)	0.1	Honeywell	UUT 3
Digital Alarm Communicator Transmitter	DACT-E3	FR4 (PCB)	5.09	5.65	0.062 (T)	0.3	Honeywell	UUT 3 / 4 / 5
Network Repeater PCB	RPT-E3	FR4 (PCB)	5.09	5.65	0.062 (T)	0.3	Honeywell	UUT 3 / 4 / 5 / 7
INCC-MIC Paging Microphone Module	1100-0452	CRS & ABS	5.46	6.46	2.450 (D)	1.7	Honeywell	UUT 5 / 8
Addressable Switch Module	ASM-16	FR4 (PCB)	5.46	6.46	0.680 (D)	0.8	Honeywell	UUT 4 / 8
Network Graphic Annunciator Touchscreen Display Module	NGA	CRS, PCB, Silicone Rubber & Touchscreen Display	5.46	6.46	1.00 (D)	1.2	Honeywell	UUT 5 / 8
Battery: 7 Amp-Hour	BAT-1270	High Impact ABS, AGM Sealed Lead Acid	5.95	3.70	2.560 (W)	4.8	PowerSonic	UUT 1 / 2

Table 4 - Energized Subcomponent Matrix (Continued)

Part Description	Gamewell-FCI Model Number	Material	Product Length [in]	Product Height [in]	Product Thickness (T), Width (W), or Depth (D) [in]	Weight [lbs]	Part Manufacturer	Tested / Interpolated / Extrapolated
Battery: 12 Amp-Hour	BAT-12120	High Impact ABS, AGM Sealed Lead Acid	5.95	3.70	3.860 (W)	7.9	PowerSonic	UUT 3 / 6
Battery: 18 Amp-Hour	BAT-12180	High Impact ABS, AGM Sealed Lead Acid	7.13	6.59	3.000 (W)	12.6	PowerSonic	UUT 4 / 5 / 7
INI-7100 Network Interface PCB	1100-0440	FR4 (PCB)	7.50	4.00	0.062 (T)	0.3	Honeywell	UUT 1 / 2
AM-50 50W 25V Amplifier PCB	1100-0456	FR4 (PCB)	8.00	3.60	0.062 (T)	0.6	Honeywell	UUT 6
AM-50-70 50W 70V Amplifier PCB	AM-50-70	FR4 (PCB)	8.00	3.60	0.062 (T)	0.7	Honeywell	UUT 7
7A Power Supply PCB	FLPS-7-RB	FR4 (PCB)	8.00	4.00	0.062 (T)	1.4	Honeywell	UUT 3
INI-VGC-FO Command Center Voice Gateway Fiber-Optic	1100-1321	FR4 (PCB)	9.50	6.00	0.062 (T)	0.6	Honeywell	UUT 5 / 8
INI-VGC-UTP Command Center Voice Gateway Twisted-Pair	1100-1322	FR4 (PCB)	9.50	6.00	0.062 (T)	0.6	Honeywell	Interpolated (Note 3)
INI-VGE-FO Classic Voice Gateway Fiber-Optic	1100-1325	FR4 (PCB)	9.50	6.00	0.062 (T)	0.6	Honeywell	Interpolated (Note 3)
INI-VGX-UTP Transponder Voice Gateway Twisted-Pair Wire	1100-1324	FR4 (PCB)	9.50	6.00	0.062 (T)	0.6	Honeywell	Interpolated (Note 4)
INI-VGE-UTP Classic Voice Gateway Twisted-Pair Wire	1100-1326	FR4 (PCB)	9.50	6.00	0.062 (T)	0.6	Honeywell	Interpolated (Note 4)
INI-VGX-FO Transponder Voice Gateway Fiber-Optic	1100-1323	FR4 (PCB)	9.50	6.00	0.062 (T)	0.6	Honeywell	UUT 6 / 7
BK-7100-2D Basic System Kit with DACT, 2 SLCs, Transformer	1100-1312	CRS, FR4 (PCB), Polyester Keypad, Ferrous Magnet, Copper Wire, Phenolic & LCD	10.00	8.70	4.500 (W)	6.2	Honeywell	UUT 1
BK-7100-2 Basic System Kit with no DACT, 2 SLCs, Transformer	1100-1311	CRS, FR4 (PCB), Polyester Keypad, Ferrous Magnet, Copper Wire, Phenolic & LCD	10.00	8.70	4.500 (W)	6.2	Honeywell	Interpolated (Note 5)
BSM-7100-1 Basic System Module with no DACT, 1 SLC, no Transformer	1100-1351	CRS, FR4 (PCB), Polyester Keypad & LCD	10.00	8.70	4.500 (W)	3.1	Honeywell	Interpolated (Note 6)
BSM-7100-1D Basic System Module with DACT, 1 SLC, no Transformer	1100-1352	CRS, FR4 (PCB), Polyester Keypad & LCD	10.00	8.70	4.500 (W)	3.4	Honeywell	UUT 2
SLP Main PCB	SLP-RB	FR4 (PCB)	10.33	8.50	0.062 (T)	0.7	Honeywell	UUT 3
Addressable Node Expander Single Ring w/ no Fiber & Wire	ANX-SR	FR4 (PCB)	10.53	5.65	0.062 (T)	0.5	Honeywell	Interpolated (Note 7)
Addressable Node Expander Multiple Ring w/ Wire	ANX-UTP	FR4 (PCB)	10.53	5.65	0.062 (T)	0.5	Honeywell	Interpolated (Note 7)
Addressable Node Expander Multiple Ring w/ Fiber & Wire	ANX-FO	FR4 (PCB)	10.53	5.65	0.062 (T)	0.5	Honeywell	UUT 5
Apollo Intelligent Loop Interface Main PCB	ILI95-MB-E3	FR4 (PCB)	10.53	5.65	0.062 (T)	0.6	Honeywell	UUT 4

Notes
3) Same board as model 1100-1321
4) Same board as model 1100-1322
5) Same board as model 1100-1312
6) Same board as model 1100-1352
7) Same board as model ANX-FO

Table 4 - Energized Subcomponent Matrix (Continued)

Part Description	Gamewell-FCI Model Number	Material	Product Length [in]	Product Height [in]	Product Thickness (T), Width (W), or Depth (D) [in]	Weight [lbs]	Part Manufacturer	Tested / Interpolated / Extrapolated
Apollo Intelligent Loop Interface Expansion PCB	ILI95-S-E3	FR4 (PCB)	10.53	5.65	0.062 (T)	0.5	Honeywell	UUT 5
System Sensor Intelligent Loop Interface Main PCB	ILI-MB-E3	FR4 (PCB)	10.53	5.65	0.062 (T)	0.6	Honeywell	UUT 5 / 7
System Sensor Intelligent Loop Interface Expansion PCB	ILI-S-E3	FR4 (PCB)	10.53	5.65	0.062 (T)	0.5	Honeywell	UUT 5
9A Power Supply / Battery Charger	PM-9G	FR4 (PCB)	10.53	5.65	0.062 (T)	1.7	Honeywell	UUT 4 / 5 / 6 / 7
LCD Keypad Display Module	LCD-SLP	CRS, FR4 (PCB), Polyester Mylar Keypad & LCD	10.96	6.46	0.910 (D)	1.5	Honeywell	UUT 3
LCD Keypad Display Module	LCD-E3	CRS, FR4 (PCB), Silicone Rubber Keypad & LCD	10.96	6.46	1.070 (D)	1.5	Honeywell	UUT 4
INCC-TEL Firefighter Telephone Module	1100-0451	CRS & ABS	10.96	6.46	2.450 (D)	3.1	Honeywell	UUT 5

UUT-01

Manufacturer: Honeywell Gamewell-FCI

Model: 1100-0480 11-0481

Cabinet Construction Summary:

Base:	Galvanized Carbon Steel Sheetmetal
Walls:	Galvanized Carbon Steel Sheetmetal
Roof:	Galvanized Carbon Steel Sheetmetal

Component Summary:

Item	Dimensions (in)				Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Weight	F-B	S-S	V
Cabinet Size B	4.5	19	19	41	N/A	N/A	N/A
Seismic Battery Bracket							
Class A Options Combination Module							
Municipal Connection Option Module							
Transformer							
Battery							
Network Interface PCB							
Basic System Kit with DACT							

Seismic Test Parameters:

Qualification Method	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
	2.50	0.0		2.50	1.00	1.67	0.67

Pre/Post Shake Functionality Test Results:

Pre:	PASSED
Post:	All units were full of contents and maintained structural integrity and functional compliance (PASSED)

UUT Mounting Description:

Wall mounted unit with (4) 1/4" dia SAE Grade 8 bolts, fixture rigidly on table.

UUT-02

Manufacturer: Honeywell Gamewell-FCI

Model: 7100-1D-PNL

Cabinet Construction Summary:

Base:	Galvanized Carbon Steel Sheetmetal
Walls:	Galvanized Carbon Steel Sheetmetal
Roof:	Galvanized Carbon Steel Sheetmetal

Component Summary:

Item	Dimensions (in)				Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Weight	F-B	S-S	V
Cabinet Size 602	4.5	14	20	35	N/A	N/A	N/A
Seismic Battery Bracket							
Class A Options Combination Module							
Municipal Connection Option Module							
Transformer							
Battery							
Network Interface PCB							
Basic System Module with DACT							

Seismic Test Parameters:

Qualification Method	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
	2.50	0.0		2.50	1.00	1.67	0.67

Pre/Post Shake Functionality Test Results:

Pre:	PASSED
Post:	All units were full of contents and maintained structural integrity and functional compliance (PASSED)

UUT Mounting Description:

Wall mounted unit with (4) 1/4" dia SAE Grade 8 bolts, fixture rigidly on table.

UUT-03

Manufacturer: Honeywell Gamewell-FCI

Model: SLP-BLK SLP-RED

Cabinet Construction Summary:

Base:	Galvanized Carbon Steel Sheetmetal
Walls:	Galvanized Carbon Steel Sheetmetal
Roof:	Galvanized Carbon Steel Sheetmetal

Component Summary:

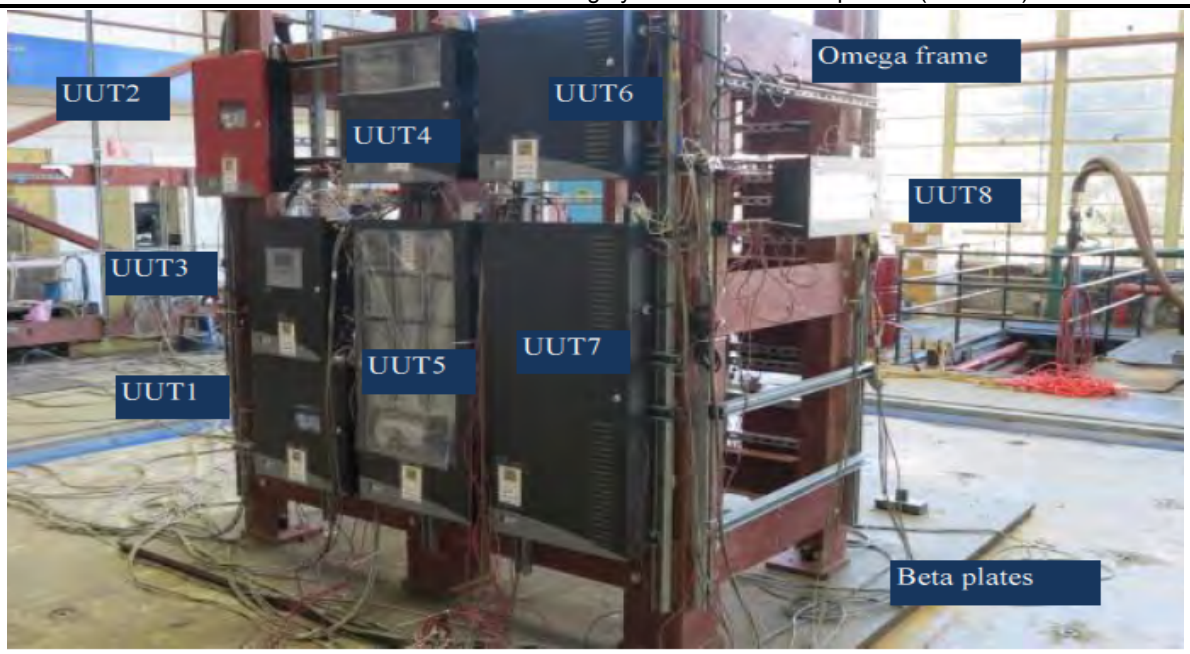
Item	Dimensions (in)				Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Weight	F-B	S-S	V
Cabinet Size 602	4.5	14	20	38	N/A	N/A	N/A
Seismic Battery Bracket							
Fiber Multiple Line PCB							
Apollo SLC PCB							
System Sensor SLC Card							
Digital Alarm Communications Transmitter							
Network Repeater PCB							
Battery							
Power Supply PCB							
SLP Main PCB							
LCD Keypad Display Module							

Seismic Test Parameters:

Qualification Method	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
	2.50	0.0		2.50	1.00	1.67	0.67

Pre/Post Shake Functionality Test Results:

Pre:	PASSED
Post:	All units were full of contents and maintained structural integrity and functional compliance (PASSED)



UUT Mounting Description:

Wall mounted unit with (4) 1/4" dia SAE Grade 8 bolts, fixture rigidly on table.

UUT-04

Manufacturer: Honeywell Gamewell-FCI

Model: E3BB-BB E3BB-RB

Cabinet Construction Summary:

Base:	Galvanized Carbon Steel Sheetmetal
Walls:	Galvanized Carbon Steel Sheetmetal
Roof:	Galvanized Carbon Steel Sheetmetal

Component Summary:

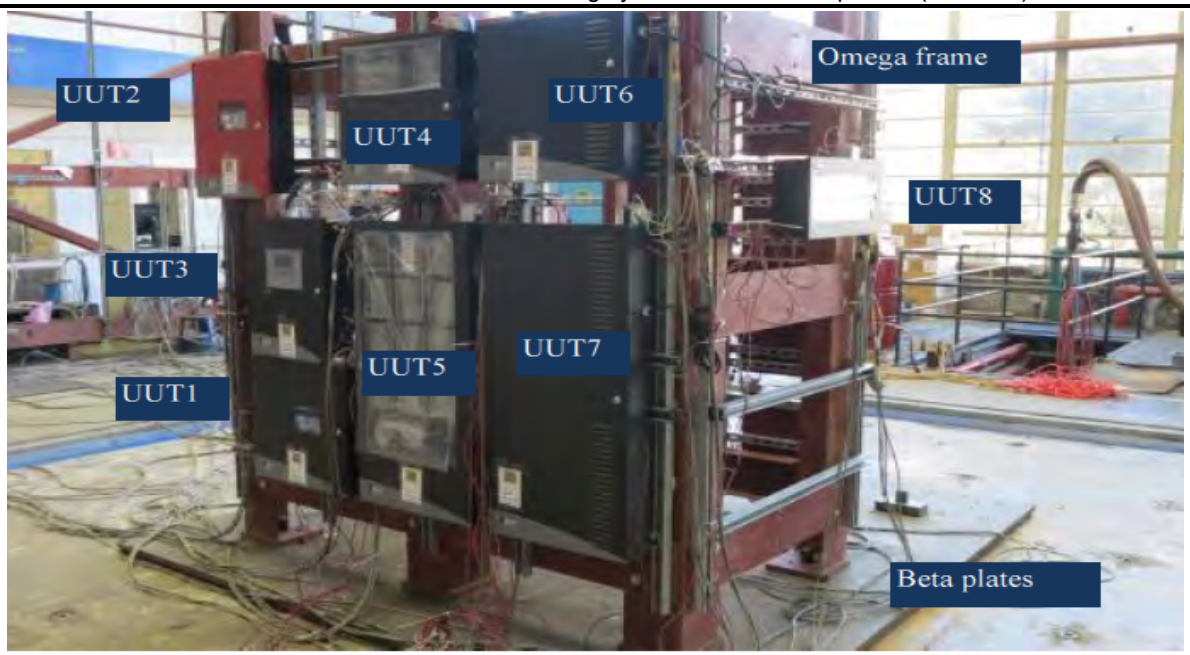
Item	Dimensions (in)				Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Weight	F-B	S-S	V
Cabinet Size B	4.5	19	19	60	N/A	N/A	N/A
Seismic Battery Bracket							
Fiber Single Line PCB							
Digital Alarm Communications Transmitter							
Network Repeater PCB							
Addessable Switch Module							
Battery							
Apollo Intelligent Loop Interface Main PCB							
Power Supply/Battery Charger							
LCD Keypad Display Module							

Seismic Test Parameters:

Qualification Method	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
	2.50	0.0		2.50	1.00	1.67	0.67

Pre/Post Shake Functionality Test Results:

Pre:	PASSED
Post:	All units were full of contents and maintained structural integrity and functional compliance (PASSED)



UUT Mounting Description:

Wall mounted unit with (4) 1/4" dia SAE Grade 8 bolts, fixture rigidly on table.

UUT-05

Manufacturer: Honeywell Gamewell-FCI

Model: E3BB-BB/INCC E3BB-RB/INCC

Cabinet Construction Summary:

Base:	Galvanized Carbon Steel Sheetmetal
Walls:	Galvanized Carbon Steel Sheetmetal
Roof:	Galvanized Carbon Steel Sheetmetal

Component Summary:

Item	Dimensions (in)				Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Weight	F-B	S-S	V
Cabinet Size D	4.5	19	41	95	N/A	N/A	N/A
Seismic Battery Bracket							
Fiber Single Line PCB							
Digital Alarm Communicator Transmitter							
Network Repeater PCB							
Paging Microphone Module							
Annunciator Touchscreen Display Module							
Battery							
Command Center Voice Gateway							
Addressable Node Expander Multiple Ring							
Apollo Intelligent Loop Interface Expansion PCB							
System Sensor Intelligent Loop Interface Main PCB							
System Sensor Intelligent Loop Interface Expansion PCB							
Power Supply/Battery Charger							
Firefighter Telephone Module							

Seismic Test Parameters:

Qualification Method	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
	2.50	0.0		2.50	1.00	1.67	0.67

Pre/Post Shake Functionality Test Results:

Pre:	PASSED
Post:	All units were full of contents and maintained structural integrity and functional compliance (PASSED)

UUT Mounting Description:

Wall mounted unit with (4) 1/4" dia SAE Grade 8 bolts, fixture rigidly on table.

UUT-06

Manufacturer: Honeywell Gamewell-FCI

Model: E3BB-BB/INX E3BB-RB/INX

Cabinet Construction Summary:

Base:	Galvanized Carbon Steel Sheetmetal
Walls:	Galvanized Carbon Steel Sheetmetal
Roof:	Galvanized Carbon Steel Sheetmetal

Component Summary:

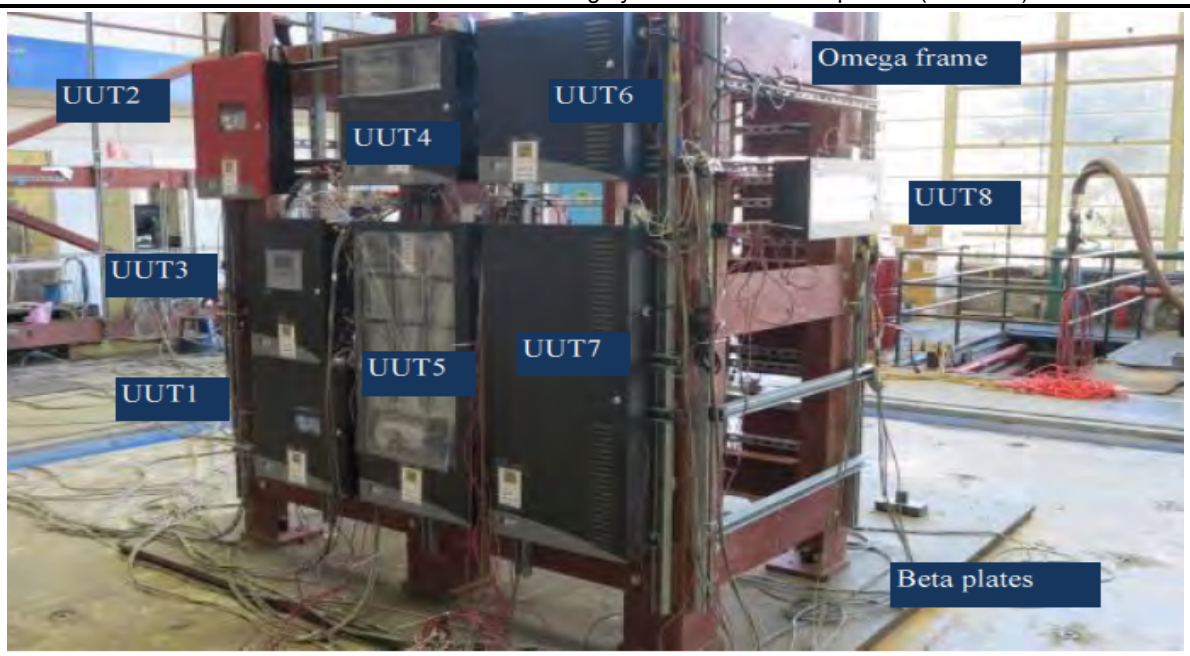
Item	Dimensions (in)				Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Weight	F-B	S-S	V
Cabinet Size B	4.5	19	19	47	N/A	N/A	N/A
Seismic Battery Bracket							
Battery							
Amplifier PCB							
Transponder Voice Gateway							
Power Supply/Battery Charger							

Seismic Test Parameters:

Qualification Method	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
	2.50	0.0		2.50	1.00	1.67	0.67

Pre/Post Shake Functionality Test Results:

Pre:	PASSED
Post:	All units were full of contents and maintained structural integrity and functional compliance (PASSED)



UUT Mounting Description:

Wall mounted unit with (4) 1/4" dia SAE Grade 8 bolts, fixture rigidly on table.

UUT-07

Manufacturer: Honeywell Gamewell-FCI

Model: E3BB-BB/INX E3BB-RB/INX

Cabinet Construction Summary:

Base:	Galvanized Carbon Steel Sheetmetal
Walls:	Galvanized Carbon Steel Sheetmetal
Roof:	Galvanized Carbon Steel Sheetmetal

Component Summary:

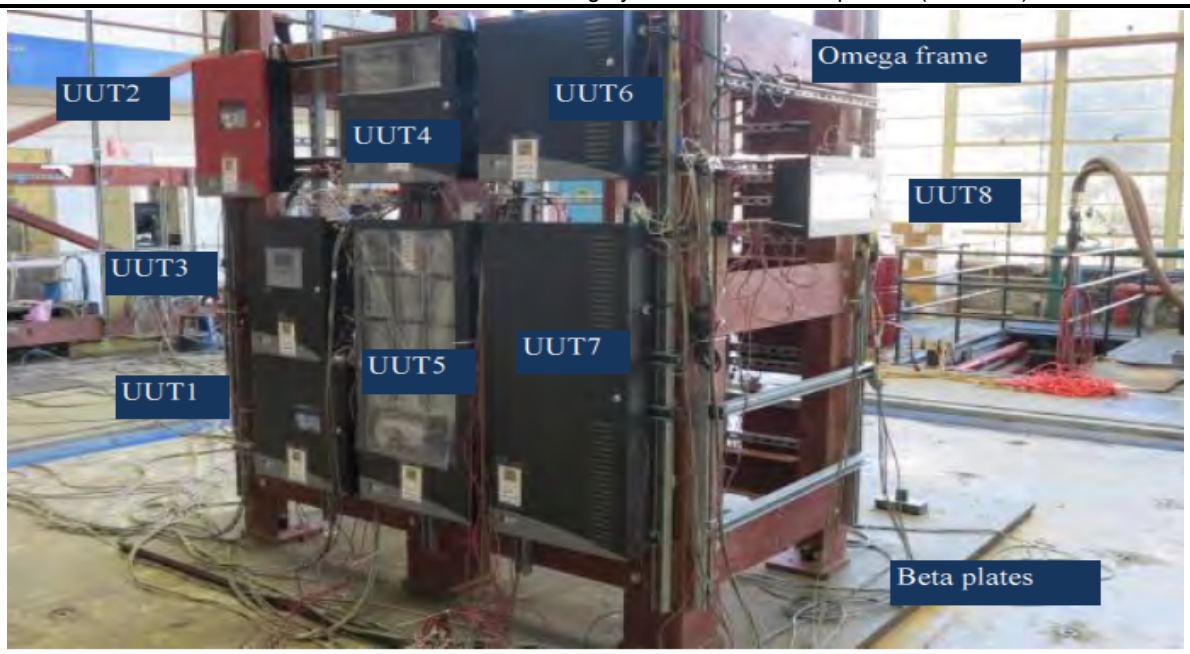
Item	Dimensions (in)				Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Weight	F-B	S-S	V
Cabinet Size D	4.5	19	41	80	N/A	N/A	N/A
Seismic Battery Bracket							
Fiber Single Line PCB							
Network Repeater PCB							
Battery							
Amplifier PCB							
Transponder Voice Gateway							
System Sensor Intelligent Loop Interface Main PCB							
Power Supply/Battery Charger							

Seismic Test Parameters:

Qualification Method	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
	2.50	0.0		2.50	1.00	1.67	0.67

Pre/Post Shake Functionality Test Results:

Pre:	PASSED
Post:	All units were full of contents and maintained structural integrity and functional compliance (PASSED)



UUT Mounting Description:

Wall mounted unit with (4) 1/4" dia SAE Grade 8 bolts, fixture rigidly on table.

UUT-08

Manufacturer: Honeywell Gamewell-FCI

Model: E3 Loc Mic

Cabinet Construction Summary:

Base:	Galvanized Carbon Steel Sheetmetal
Walls:	Galvanized Carbon Steel Sheetmetal
Roof:	Galvanized Carbon Steel Sheetmetal

Component Summary:

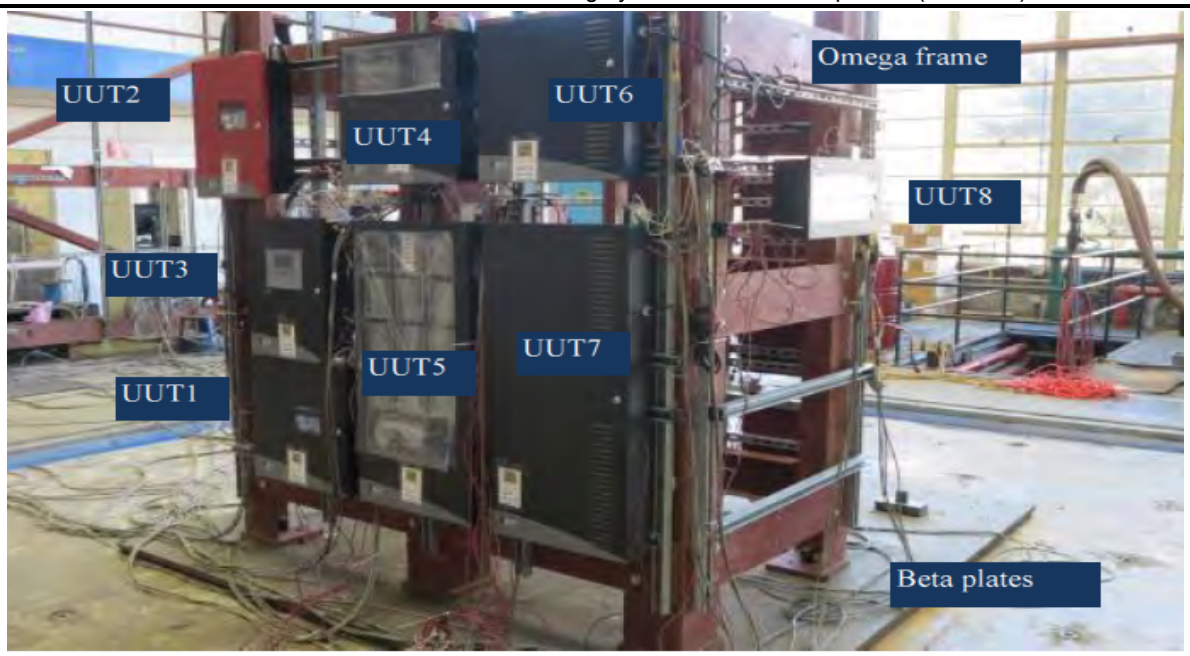
Item	Dimensions (in)				Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Weight	F-B	S-S	V
Cabinet Size AA	3	19	10	18	N/A	N/A	N/A
Paging Microphone Module							
Addressable Switch Module							
Annunciator Touchscreen Display Module							
Command Center Voice Gateway							

Seismic Test Parameters:

Qualification Method	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
	2.50	0.0		2.50	1.00	1.67	0.67

Pre/Post Shake Functionality Test Results:

Pre:	PASSED
Post:	All units were full of contents and maintained structural integrity and functional compliance (PASSED)



UUT Mounting Description:

Wall mounted unit with (4) 1/4" dia SAE Grade 8 bolts, fixture rigidly on table.