



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR OSHPD SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY	
APPLICATION #:	OSP – 0073

**OSHPD Special Seismic Certification Preapproval (OSP)**

Type:  New  Renewal

**Manufacturer Information**

Manufacturer: Honeywell

Manufacturer's Technical Representative: Michael Yanokfsky

Mailing Address: 12 Clintonville Road, Northford, CT 06472

Telephone: (203)-484-6247 Email: [Michael.Yanofsky@honeywell.com](mailto:Michael.Yanofsky@honeywell.com)

**Product Information**

Product Name: Gamewell-FCI

Product Type: Fire Control Panels

Product Model Number: Varies (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

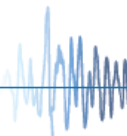
Telephone: (973)-838-1780 Email: [john.giuliano@thevmcgroup.com](mailto:john.giuliano@thevmcgroup.com)

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

Signature of Applicant:  Date: 11/10/2020

Title: President Company Name: VMC Group

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
FACILITIES DEVELOPMENT DIVISION**

**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 Street, Bloomingdale, NJ 07403

Telephone: (973)-838-1780 Email: [ken.tarlow@thevmcgroup.com](mailto: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: PEER, UC Berkeley DATE: 11/10/2020

Contact Name: Wesley Neighbour

Mailing Address: 1301 South 46<sup>th</sup> Street, Building 420, Richmond, CA 94804

Telephone: (510)-665-3409 Email: [wdn@berkeley.edu](mailto:wdn@berkeley.edu)

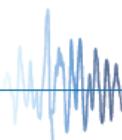
Company Name: Dynamic Certification Laboratories

Contact Name: Kelly Laplace

Mailing Address: 1315 Greg Street, Suite 109, Sparks, NV 89432

Telephone: (775)-358-5085 Email: [kelly@shaketest.com](mailto:kelly@shaketest.com)

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**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 (z/h = 1.0); 1.13 (z/h = 0.0)

$S_{DS}$  (Design spectral response acceleration at short period, g) = 2.00 (z/h = 1.0); 2.50 (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

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

z/h (Height factor ratio) = 1.0 ( $S_{DS}=2.00$ ), 0.0 ( $S_{DS}=2.50$ )

Equipment or Component Natural Frequencies (Hz) = See Attachments

Overall dimensions and weight (or range thereof) = See Attachments

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) = \_\_\_\_\_

$\Omega_0$  (System overstrength factor) = by: Mohammad Aliaari

$C_d$  (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, 2015:  Yes  No

**List of Attachments Supporting Special Seismic Certification**

Test Report(s)  Drawings  Calculations  Manufacturer's Catalog

Other(s) (Please Specify): Attachments

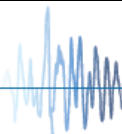
**OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025**

Signature: M. Aliaari Date: November 11, 2020

Print Name: Mohammad Aliaari Title: Senior Structural Engineer

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

Condition of Approval (if applicable): \_\_\_\_\_



**Table 1 - Certified Product Matrix**

Product Family	Model Number	Description	Input Voltage [ V ]	Phase	Frequency [ Hz ]	Cabinet Style / Material	Max Dimensions [ in. ]			Max Weight [ lbs. ]	UUT
							Width	Length	Depth		
Gamewell / FCI	LTE-CAB-GWF	Houses an LTE (cellular) Communicator Card for central station reporting	N/A	N/A	N/A	20 GA C.R.S	10.4	10.2	3.2	4.8	UUT 10
	CELL-CAB-GWF	Houses an GSM (cellular) Communicator Card for central station reporting	N/A	N/A	N/A	20 GA C.R.S	10.4	10.2	3.2	4.4	Extrapolated
	CELL-MOD	Houses an GSM (cellular) Communicator Card for central station reporting	N/A	N/A	N/A	Plastic	6.0	7.8	1.5	0.8	UUT 9
	LTE-MOD	Houses an GSM (cellular) Communicator Card for central station reporting	N/A	N/A	N/A	Plastic	6.0	7.8	1.5	0.8	Extrapolated
	1100-0480	Netsolo 7100 Fire Alarm Control Panel	120V	1 Phase	50/60 HZ	CAB-B	19.4	19.4	4.5	41	UUT 1
	1100-0481										
	7100-1D-PNL	7100 Slim Fire Alarm Control Panel	120V	1 Phase	50/60 HZ	602	14.0	20.0	4.5	35.0	UUT 2
	E3BB-RBSLIM	E3 Series B-SLIM	120V	1 Phase	50/60 HZ	602	14.0	20.0	4.5	29.1	Interpolated
	SLP-BLK	S3 (SLP) Series	120V	1 Phase	50/60 HZ	602	14.0	20.0	4.5	38	UUT 3
SLP-RED											

**Notes**

- 1) The 1100-0481 is identical to the 1100-0480 except for color
- 2) The SLP-RED is identical to the SLP-BLK except for color
- 3) Honeywell is the manufacturer for all certified products
- 4) The CELL-CAB-GWF is identical to the LTE-CAB-GWF except for software
- 5) The LTE-MOD is identical to the CELL-MOD except for software
- 6) All units certified, as tested, for rigid wall mounting at  $S_{DS} = 2.0$  ( $z/h=1$ ), and  $S_{DS}=2.5$  ( $z/h=0$ )

**Table 1 - Certified Product Matrix (Continued)**

Product Family	Model Number	Description	Input Voltage [ V ]	Phase	Frequency [ Hz ]	Cabinet Style / Material	Max Dimensions [ in. ]			Max Weight [ lbs. ]	UUT
							Width	Length	Depth		
Gamewell / FCI	E3BB-BB	E3 Series Intelligent Network Command Center (INCC)	120V	1 Phase	50/60 HZ	CAB-B	19.4	19.4	4.5	60	UUT 4
	E3BB-RB										
	E3BB-BC/INCC	E3 Series Intelligent Network Command Center (INCC)	120V	1 Phase	50/60 HZ	CAB-C	19.4	30.0	4.5	38.2	Interpolated
	E3BB-RC/INCC										
	E3BB-BD/INCC	E3 Series Intelligent Network Command Center (INCC)	120V	1 Phase	50/60 HZ	CAB-D	19.4	41.0	4.5	95	UUT 5
	E3BB-RD/INCC										
	E3BB-BB/INX	E3 Series Intelligent Network Transponder (INX)	120V	1 Phase	50/60 HZ	CAB-B	19.4	19.4	4.5	47	UUT 6
	E3BB-RB/INX										
	E3BB-BC/INX	E3 Series Intelligent Network Transponder (INX)	120V	1 Phase	50/60 HZ	CAB-C	19.4	30.0	4.5	42	Interpolated
	E3BB-RC/INX										
	E3BB-BD/INX	E3 Series Intelligent Network Transponder (INX)	120V	1 Phase	50/60 HZ	CAB-D	19.4	41.0	4.5	80	UUT 7
	E3BB-RD/INX										
E3BB-BAA	E3 LOC	24V	N/A	N/A	CAB-AA	19.4	10.0	4.5	18	UUT 8	

**Notes**

- 1) The E3BB-RB is identical to the E3BB-BB except for color
- 2) The E3BB-RD/INCC is identical to the E3BB-BD/INCC except for color
- 3) The E3BB-RB/INX is identical to the E3BB-BB/INX except for color
- 4) The E3BB-RD/INX is identical to the E3BB-BD/INX except for color
- 5) Honeywell is the manufacturer for all certified products
- 6) All units certified, as tested, for rigid wall mounting at  $S_{DS}= 2.0$  (z/h=1), and  $S_{DS}=2.5$  (z/h=0)

**Table 2 - Cabinet Matrix**

Cabinet Style	Dimensions [ in ]			Panel Material / Thickness	Max Cabinet Weight [ lbs ]	UUT
	Width	Length	Depth			
CAB-B	19.40	19.40	4.50	CRS / 16 Gage	24.0	UUT 1, 4, 6
CAB-C	19.40	30.00	4.50	CRS / 16 Gage	32.0	Interpolated
CAB-D	19.40	41.00	4.50	CRS / 16 Gage	42.0	UUT 5, 7
602	14.00	20.00	4.50	CRS / 18 Gage	15.5	UUT 2, 3
CAB-AA	19.40	10.00	4.50	CRS / 16 Gage	12.85	UUT 8

**Notes**

- 1) All Cabinets Are UL 864 & NEMA 1 Rated
- 2) CRS = cold rolled steel
- 3) Honeywell is the manufacturer for all certified cabinets



**Table 3 - Certified Structural Subcomponents**

Gamewell-FCI Model Number	Description	Part Manufacturer	Material / Thickness	Max Dimensions [ in. ]			Max Weight [ lbs. ]	UUT
				Length	Height	Depth		
90516	7 A/H E3 Seismic Battery Bracket	Honeywell	CRS / 16 Gauge	16.5	2.9	2.7	2.5	UUT 1
	7 A/H E3 Seismic Battery Riser Kit			15.3	3.0	0.3		
90518	7 A/H 602 Seismic Battery Bracket Kit	Honeywell	CRS / 16 Gauge	13.1	2.9	2.7	1.0	UUT 2
90519	12 A/H E3 Seismic Battery Bracket	Honeywell	CRS / 16 Gauge	13.1	2.9	4.0	2.8	UUT 6
	12 A/H E3 Seismic Battery Riser Kit			15.3	3.0	0.3		
90517	12 A/H 602 Seismic Battery Bracket Kit	Honeywell	CRS / 16 Gauge	16.3	2.9	4.0	1.3	UUT 3
90520	18 A/H E3 Seismic Battery Bracket	Honeywell	CRS / 16 Gauge	16.5	5.3	3.1	3.3	UUT 4, 5, 7
	18 A/H E3 Seismic Battery Riser Kit			15.3	3.0	0.3		

**Notes**

1) CRS = cold rolled steel

**Table 4 - Certified Energized Subcomponents**

Gamewell-FCI Model Number	Description	Part Manufacturer	Material	Max Dimensions [ in. ]			Max Weight [ lbs. ]	UUT
				Length	Height	Depth		
1100-1233	CAOM Class A Options Combinations Module for SLCs	Honeywell	FR4 (PCB)	2.2	1.2	0.1	0.1	UUT 1, 2
1100-1234	MCOM Municipal Connection Option Module for Local Energy City Box	Honeywell	FR4 (PCB)	2.2	1.9	0.1	0.1	UUT 1, 2
FML-E3	FML-E3 Fiber Multiple Line PCB	Honeywell	FR4 (PCB)	3.0	1.5	0.1	0.1	UUT 3
SLP-RB	FSL-E3 Fiber Single Line PCB	Honeywell	FR4 (PCB)	3.0	1.5	0.1	0.1	UUT 4, 5, 7
T7100	Transformer 120V	MCI Transformer Corp.	CRS, Ferrous Magnet & Copper Wire, Phenolic	4.5	2.8	2.5	2.9	UUT 1, 2
SLC95-PM	Apollo SLC PCB	Honeywell	FR4 (PCB)	4.6	1.4	0.1	0.1	UUT 3
SLC-PM	System Sensor SLC Card	Honeywell	FR4 (PCB)	4.6	1.4	0.1	0.1	UUT 3
DACT-E3	Digital Alarm Communicator Transmitter	Honeywell	FR4 (PCB)	5.1	5.7	0.1	0.3	UUT 3, 4, 5
RPT-E3	Network Repeater PCB	Honeywell	FR4 (PCB)	5.1	5.7	0.1	0.3	UUT 3, 4, 5, 7
1100-0452	INCC-MIC Paging Microphone Module	Honeywell	CRS & ABS	5.5	6.5	2.5	1.7	UUT 5, 8
ASM-16	Addressable Switch Module	Honeywell	FR4 (PCB)	5.5	6.5	0.7	0.8	UUT 4, 8

**Notes**

1) PCB = printed circuit board

2) CRS = cold rolled steel

3) ABS = acrylonitrile butadiene styrene

**Table 4 - Certified Energized Subcomponents (Continued)**

Gamewell-FCI Model Number	Description	Part Manufacturer	Material	Max Dimensions [ in. ]			Max Weight [ lbs. ]	UUT
				Length	Height	Depth		
NGA	Network Graphic Annunciator Touchscreen Display Module	Honeywell	CRS, PCB, Silicone Rubber & Touchscreen Display	5.5	6.5	1.0	1.2	UUT 5, 8
BAT-1270	Battery: 7 Amp-Hour	PowerSonic	High Impact ABS, AGM Sealed Lead Acid	6.0	3.7	2.6	4.8	UUT 1, 2
BAT-12120	Battery: 12 Amp-Hour	PowerSonic	High Impact ABS, AGM Sealed Lead Acid	6.0	3.7	3.9	7.9	UUT 3, 6
BAT-12180	Battery: 18 Amp-Hour	PowerSonic	High Impact ABS, AGM Sealed Lead Acid	7.1	6.6	3.0	12.6	UUT 4, 5, 7
1100-0440	INI-7100 Network Interface PCB	Honeywell	FR4 (PCB)	7.5	4.0	0.1	0.3	UUT 1, 2
1100-0456	AM-50 50W 25V Amplifier PCB	Honeywell	FR4 (PCB)	8.0	3.6	0.1	0.6	UUT 6
AM-50-70	AM-50-70 50W 70V Amplifier PCB	Honeywell	FR4 (PCB)	8.0	3.6	0.1	0.7	UUT 7
FLPS-7-RB	7A Power Supply PCB	Honeywell	FR4 (PCB)	8.0	4.0	0.1	1.4	UUT 3
1100-1321	INI-VGC-FO Command Center Voice Gateway Fiber-Optic	Honeywell	FR4 (PCB)	9.5	6.0	0.1	0.6	UUT 5, 8
1100-1322	INI-VGC-UTP Command Center Voice Gateway Twisted-Pair	Honeywell	FR4 (PCB)	9.5	6.0	0.1	0.6	Interpolated
1100-1324	INI-VGX-UTP Transponder Voice Gateway Twisted-Pair Wire	Honeywell	FR4 (PCB)	9.5	6.0	0.1	0.6	Interpolated
1100-1325	INI-VGE-FO Classic Voice Gateway Fiber-Optic	Honeywell	FR4 (PCB)	9.5	6.0	0.1	0.6	Interpolated
1100-1326	INI-VGE-UTP Classic Voice Gateway Twisted-Pair Wire	Honeywell	FR4 (PCB)	9.5	6.0	0.1	0.6	Interpolated

**Notes**

- 1) The 1100-1322 & 1100-1324 are depopulated versions of the 1100-1321
- 2) The 1100-1325 & 1100-1326 are identical to the 1100-1321 except for software
- 3) PCB = printed circuit board
- 4) CRS = cold rolled steel
- 5) ABS = acrylonitrile butadiene styrene



**Table 4 - Certified Energized Subcomponents (Continued)**

Gamewell-FCI Model Number	Description	Part Manufacturer	Material	Max Dimensions [ in. ]			Max Weight [ lbs. ]	UUT
				Length	Height	Depth		
1100-1323	INI-VGX-FO Transponder Voice Gateway Fiber-Optic	Honeywell	FR4 (PCB)	9.5	6.0	0.1	0.6	UUT 6, 7
1100-1351	BSM-7100-1 Basic System Module With No DACT, 1 SLC, No Transformer	Honeywell	CRS, FR4 (PCB), Polyester Keypad & LCD	10.0	8.7	4.5	3.1	Extrapolated
1100-1352	BSM-7100-1D Basic System Module With DACT, 1 SLC, No Transformer	Honeywell	CRS, FR4 (PCB), Polyester Keypad & LCD	10.0	8.7	4.5	3.4	UUT 2
1100-1311	BK-7100-2 Basic System Kit With No DACT, 2 SLCs, Transformer	Honeywell	CRS, FR4 (PCB), Polyester Keypad, Ferrous Magnet, Copper Wire, Phenolic & LCD	10.0	8.7	4.5	6.2	Interpolated
1100-1312	BK-7100-2D Basic System Kit With DACT, 2 SLCs, Transformer	Honeywell	CRS, FR4 (PCB), Polyester Keypad, Ferrous Magnet, Copper Wire, Phenolic & LCD	10.0	8.7	4.5	6.2	UUT 1
SLP-RB	SLP Main PCB	Honeywell	FR4 (PCB)	10.3	8.5	0.1	0.7	UUT 3
ANX-SR	Addressable Node Expander Single Ring w/ no Fiber & Wire	Honeywell	FR4 (PCB)	10.5	5.7	0.1	0.5	Extrapolated
ANX-UTP	Addressable Node Expander Multiple Ring w/ Wire	Honeywell	FR4 (PCB)	10.5	5.7	0.1	0.5	Extrapolated
ANX-FO	Addressable Node Expander Multiple Ring w/ Fiber & Wire	Honeywell	FR4 (PCB)	10.5	5.7	0.1	0.5	UUT 5
ILI95-MB-E3	Apollo Intelligent Loop Interface Main PCB	Honeywell	FR4 (PCB)	10.5	5.7	0.1	0.6	UUT 4

**Notes**

- 1) The ANX-SR & ANX-UTP are depopulated versions of the ANX-FO
- 2) PCB = printed circuit board
- 3) CRS = cold rolled steel
- 4) ABS = acrylonitrile butadiene styrene
- 5) LCD = liquid crystal display

**Table 4 - Certified Energized Subcomponents (Continued)**

Gamewell-FCI Model Number	Description	Part Manufacturer	Material	Max Dimensions [ in. ]			Max Weight [ lbs ]	UUT
				Length	Height	Depth		
ILI95-S-E3	Apollo Intelligent Loop Interface Expansion PCB	Honeywell	FR4 (PCB)	10.5	5.7	0.1	0.5	UUT 5
ILI-MB-E3	System Sensor Intelligent Loop Interface Main PCB	Honeywell	FR4 (PCB)	10.5	5.7	0.1	0.6	UUT 5, 7
ILI-S-E3	System Sensor Intelligent Loop Interface Expansion PCB	Honeywell	FR4 (PCB)	10.5	5.7	0.1	0.5	UUT 5
PM-9G	9A Power Supply / Battery Charger	Honeywell	FR4 (PCB)	10.5	5.7	0.1	1.7	UUT 4, 5, 6, 7
LCD-SLP	LCD Keypad Display Module	Honeywell	CRS, FR4 (PCB), Polyester Mylar Keypad & LCD	11.0	6.5	0.9	1.5	UUT 3
LCD-E3	LCD Keypad Display Module	Honeywell	CRS, FR4 (PCB), Silicone Rubber Keypad & LCD	11.0	6.5	1.1	1.5	UUT 4
1100-0451	INCC-TEL Firefighter Telephone Module	Honeywell	CRS & ABS	11.0	6.5	2.5	3.1	UUT 5
LYRIC-3G	Radio Module For CELL Series	Honeywell	PCB	N/A	N/A	N/A	0.1	UUT 9
LYRIC-3GLP		Honeywell	PCB	N/A	N/A	N/A	0.1	Extrapolated
LYRICLTE-A	Radio Module For LTE Series	Honeywell	PCB	N/A	N/A	N/A	0.1	UUT 10
CCP-LYRIC-PCA	Circuit Board For MOD & CAB Series	Honeywell	PCB	N/A	N/A	N/A	0.2	UUT 9, 10
CELL ANTENNA	Antenna that boosts reception for GSM Communicator Cards	Honeywell	Plastic	1.0	6.3	0.4	0.2	UUT 9
CELL ANTENNA	Antenna that boosts reception for LTE Communicator Cards	Honeywell	Plastic	1.9	7.4	0.4	0.2	UUT 10

**Notes**

- 1) PCB = printed circuit board
- 2) CRS = cold rolled steel
- 3) ABS = acrylonitrile butadiene styrene
- 4) LCD = liquid crystal display
- 5) The LYRIC-3G & LYRIC-3GLP are identical except for nomenclature



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-01

PEER STIL 2013-17, UUT1

Model Line	Model Number	Manufacturer
Gamewell-FCI	1100-0480	Honeywell

### Product Construction Summary

Carbon Steel Enclosure

### Options / Subcomponent Summary

Battery Bracket: Honeywell; Battery Riser Kit: Honeywell; CAOM Class A Options Combinations Module: Honeywell; Municipal Connection Option Module: Honeywell; Transformer: MCI Transformer Corp.; Battery: Power Sonic; Network Interface PCB: Honeywell; BK-7100-2D Basic System Kit: Honeywell

### UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
41	19.4	19.4	4.5	NA	NA	NA

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

### Test Mounting Details

UUT-01 was rigid wall mounted to the Omega Fixture using Qty. (4) 1/4" diameter, grade 8 bolts. Omega Fixture was rigidly attached to the shake table



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-02

PEER STIL 2013-17, UUT2

Model Line	Model Number	Manufacturer
Gamewell-FCI	7100-1D-PNL	Honeywell

### Product Construction Summary

Carbon Steel Enclosure

### Options / Subcomponent Summary

Battery Bracket: Honeywell; Battery Riser Kit: Honeywell; CAOM Class A Options Combinations Module: Honeywell; Municipal Connection Option Module: Honeywell; Transformer: MCI Transformer Corp.; Battery: Power Sonic; Network Interface PCB: Honeywell; BSM-7100-1D Basic System Module: Honeywell

### UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
35	14.0	20.0	4.5	NA	NA	NA

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

### Test Mounting Details

UUT-02 was rigid wall mounted to the Omega Fixture using Qty. (4) 1/4" diameter, grade 8 bolts. Omega Fixture was rigidly attached to the shake table



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



## UNIT UNDER TEST (UUT) Summary Sheet

UUT-03

PEER STIL 2013-17, UUT3

Model Line	Model Number	Manufacturer
Gamewell-FCI	SLP-BLK	Honeywell

### Product Construction Summary

Carbon Steel Enclosure

### Options / Subcomponent Summary

Battery Bracket Kit: Honeywell; Fiber Multiple Line PCB: Honeywell; Apollo SLC PCB: Honeywell; System Sensor SLC Card: Honeywell; Digital Alarm Communicator Transmitter: Honeywell; Network Repeater PCB: Honeywell; Battery: Power Sonic; Power Supply: Honeywell; SLP Main PCB: Honeywell; LCD Keypad Display Module: Honeywell

### UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
38	14.0	20.0	4.5	NA	NA	NA

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

### Test Mounting Details

UUT-03 was rigid wall mounted to the Omega Fixture using Qty. (4) 1/4" diameter, grade 8 bolts. Omega Fixture was rigidly attached to the shake table



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

**UUT-04**

PEER STIL 2013-17, UUT4

Model Line	Model Number	Manufacturer
Gamwell-FCI	E3BB-BB	Honeywell

### Product Construction Summary

Carbon Steel Enclosure

### Options / Subcomponent Summary

Battery Bracket: Honeywell; Battery Riser Kit: Honeywell; Digital Alarm Communicator Transmitter: Honeywell; Network Repeater PCB: Honeywell; Addressable Switch Module: Honeywell; Batteries: Power Sonic; Apollo Intelligent Loop Interface Main PCB: Honeywell; Power Supply: Honeywell; LCD Keypad Display Module: Honeywell

### UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
60	19.4	19.4	4.5	NA	NA	NA

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

### Test Mounting Details

UUT-04 was rigid wall mounted to the Omega Fixture using Qty. (4) 1/4" diameter, grade 8 bolts. Omega Fixture was rigidly attached to the shake table



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



## UNIT UNDER TEST (UUT) Summary Sheet

**UUT-05**

PEER STIL 2013-17, UUT5

Model Line	Model Number	Manufacturer
Gamewell-FCI	E3BB-BB/INCC	Honeywell

### Product Construction Summary

Carbon Steel Enclosure

### Options / Subcomponent Summary

Battery Bracket: Honeywell; Battery Riser Kit: Honeywell; Digital Alarm Communicator Transmitter: Honeywell; Network Repeater PCB: Honeywell; INCC-MIC Paging Microphone Module: Honeywell; Network Graphic Annunciator Touchscreen Display Module: Honeywell; Batteries: Power Sonic; INI-VGC-FO Command Center Voice Gateway Fiber-Optic: Honeywell; Addressable Node Expander Multiple Ring w/ Fiber & Wire: Honeywell; Apollo Intelligent Loop Interface Expansion PCB: Honeywell; System Sensor Intelligent Loop Interface Main PCB: Honeywell; System Sensor Intelligent Loop Interface Expansion PCB: Honeywell; Power Supply: Honeywell; INCC-TEL Firefighter Telephone Module: Honeywell

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
95	19.4	41	4.5	NA	NA	NA

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

### Test Mounting Details

UUT-05 was rigid wall mounted to the Omega Fixture using Qty. (4) 1/4" diameter, grade 8 bolts. Omega Fixture was rigidly attached to the shake table



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-06

PEER STIL 2013-17, UUT6

Model Line	Model Number	Manufacturer
Gamewell-FCI	E3BB-BB/INX	Honeywell

**Product Construction Summary**

Carbon Steel Enclosure

**Options / Subcomponent Summary**

Battery Bracket: Honeywell; Battery Riser Kit: Honeywell; Batteries: Power Sonic; Amplifier: Honeywell; INI-VGX-FO Transponder Voice Gateway Fiber-Optic: Honeywell; Power Supply: Honeywell

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
47	19.4	19.4	4.5	NA	NA	NA

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

**Test Mounting Details**

UUT-06 was rigid wall mounted to the Omega Fixture using Qty. (4) 1/4" diameter, grade 8 bolts. Omega Fixture was rigidly attached to the shake table



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.





# UNIT UNDER TEST (UUT) Summary Sheet

UUT-07

PEER STIL 2013-17, UUT7

Model Line	Model Number	Manufacturer
Gamewell-FCI	E3BB-BD/INX	Honeywell

### Product Construction Summary

Carbon Steel Enclosure

### Options / Subcomponent Summary

Battery Bracket: Honeywell; Battery Rise Kit: Honeywell; FSL-E3 Fiber Single Line PCB: Honeywell; Network Repeater PCB: Honeywell; Batteries: Power Sonic; Amplifier: Honeywell; INI-VGX-FO Transponder Voice Gateway Fiber-Optic: Honeywell; System Sensor Intelligent Loop Interface Main PCB: Honeywell; Power Supply: Honeywell

### UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
80	19.4	41	4.5	NA	NA	NA

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	$S_{DS}$	$z/h$	$I_p$	$A_{FLX-H}$	$A_{RIG-H}$	$A_{FLX-V}$	$A_{RIG-V}$
		CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40
		2.5	0.0	1.5	-	-	1.67	0.67

### Test Mounting Details

UUT-07 was rigid wall mounted to the Omega Fixture using Qty. (4) 1/4" diameter, grade 8 bolts. Omega Fixture was rigidly attached to the shake table



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-08

PEER STIL 2013-17, UUT8

Model Line	Model Number	Manufacturer
Gamewell-FCI	E3BB-BAA	Honeywell

### Product Construction Summary

Carbon Steel Enclosure

### Options / Subcomponent Summary

INCC-MIC Paging Microphone Module: Honeywell; Addressable Switch Module: Honeywell; Network Graphic Annunciator Touchscreen Display Module: Honeywell; INI-VGC-FO Command Center Voice Gateway Fiber-Optic: Honeywell

### UUT Properties

Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
18	19.4	10	4.5	NA	NA	NA

### UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

### Test Mounting Details

UUT-08 was rigid wall mounted to the Omega Fixture using Qty. (4) 1/4" diameter, grade 8 bolts. Omega Fixture was rigidly attached to the shake table



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-09

30995-1901, UUT 10

Model Line	Model Number	Manufacturer
Gamewell-FCI	CELL-MOD with CELL ANTENNA	Honeywell

**Product Construction Summary**

Plastic Enclosure & Plastic Antenna

**Options / Subcomponent Summary**

Radio Module for CELL Series: Honeywell; Circuit Board: Honeywell

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
1	6.0	7.8	1.5	NA	NA	NA

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

**Test Mounting Details**

UUT-09 was rigidly wall mounted to the fixture via 12 gage unistrut using Qty. (4) 1/4" diameter, grade 8 bolts. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.



# UNIT UNDER TEST (UUT) Summary Sheet

UUT-10

30995-1901, UUT 11

Model Line	Model Number	Manufacturer
Gamewell-FCI	LTE-CAB-GWF with ANTENNA	Honeywell

**Product Construction Summary**

Carbon Steel Enclosure & Plastic Antenna

**Options / Subcomponent Summary**

Radio Module for LTE Series: Honeywell; Circuit Board: Honeywell

UUT Properties						
Weight [ lbs ]	Dimensions [ in ]			Lowest Nat. Freq. [ Hz ]		
	Length	Width	Height	F-B	S-S	V
5	10.4	10.2	3.2	NA	NA	NA

UUT Highest Passed Seismic Run Information								
Building Code	Test Criteria	S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2019	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	-	-
		2.5	0.0	1.5	-	-	1.67	0.67

**Test Mounting Details**

UUT-10 was rigid wall mounted to the fixture via 12 gage unistrut using Qty. (4) #10-24, grade 8 machine screws. Fixture was hard mounted to the shake table.



All units were filled with contents and maintained structural integrity and functionality after AC-156 test.