



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

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

OFFICE USE ONLY

APPLICATION #: **OSP – 0198 – 10**

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

Type:  New  Renewal

**Manufacturer Information**

Manufacturer: Jeron Electronic Systems, Inc.

Manufacturer's Technical Representative: Matt Chesnul

Mailing Address: 7501 N Natchez Ave., Niles, IL 60714

Telephone: 773-275-1900 Email: mchesnul@jeron.com

**Product Information**

Product Name: Provider Nurse Call System Cabinets

Product Type: Nurse Call Systems

Product Model Number: Provider 680 in 6888 Main Equipment Cabinet; and Provider 790 in 7988 or 7989 Main Equipment Cabinet  
(List all unique product identification numbers and/or part numbers)

General Description: Provider nurse call systems consist of equipment cabinets that contain control modules,  
network and power supply assemblies.

Mounting Description: Rigid wall mounted.

**Applicant Information**

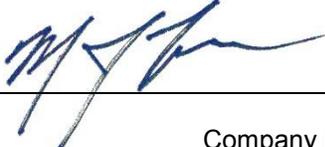
Applicant Company Name: TRU Compliance, LLC – A Tobolski Watkins Affiliate

Contact Person: Matthew J. Tobolski, Ph.D., S.E.

Mailing Address: 960 SW Disk Dr. Suite 104, Bend OR 97702

Telephone: 844-878-0200 Email: [mtobolski@trucompliance.com](mailto:mtobolski@trucompliance.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: 03/16/2016

Title: President & CEO Company Name: TRU Compliance, LLC

"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: TRU Compliance, LLC – A Tobolski Watkins Affiliate

Name: Derek J. Manwill, S.E. California License Number: S6266

Mailing Address: 960 SW Disk Dr. Suite 104, Bend OR 97702

Telephone: 844-878-0200 Email: [dmanwill@trucompliance.com](mailto:dmanwill@trucompliance.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): \_\_\_\_\_

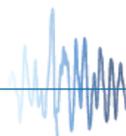
**Testing Laboratory**

Company Name: Environ Laboratories

Contact Name: Kent Erickson

Mailing Address: 9725 Girard Avenue South, Minneapolis MN 55431

Telephone: 952-888-7795 Email: [kle@environlab.com](mailto:kle@environlab.com)





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

**Seismic Parameters**

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

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.87

$S_{DS}$  (Design spectral response acceleration at short period, g) = 2.49

$a_p$  (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

Equipment or Component Natural Frequencies (Hz) = See Attachment A

Overall dimensions and weight (or range thereof) = See Attachment A

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

$C_d$  (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): Attachment A

**OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022**

Signature:  Date: March 22, 2016

Print Name: Timothy J. Piland Title: SSE

Special Seismic Certification Valid Up to :  $S_{DS}$  (g) = 2.49  $z/h$  = 1

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

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









# UNIT UNDER TEST (UUT) SUMMARY SHEET



**TRU PROJECT NO. 16008**

<b>Manufacturer:</b> Jeron Electronic Systems, Inc.	<b>UUT 1</b>
<b>Model Line:</b> Provider Nurse Call System Cabinets	
<b>Model Number:</b> Provider 680 <span style="float: right;"><b>Serial Number:</b> N/A</span>	

**Product Construction Summary:**  
16GA. Carbon steel enclosure.

**Options/Subcomponent Summary:**  
Enclosure - 6888 | Main Control unit - 6850 | Power Supply Unit - 6851 | Logic Assembly - 13606 | Audio Assembly - 13605 | Master Assembly - 13419 | Bus Assembly - 13418.

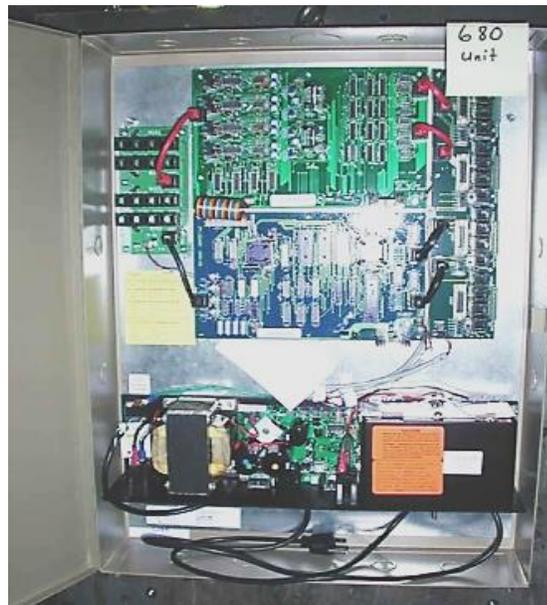
**UUT Properties**

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
44	4	18	24	N/A	N/A	N/A

**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 2016	ICC-ES AC156	2.49g	1.0	1.5	3.98g	2.99g	1.67g	0.67g

**Test Mounting Details:**



Rigid wall mounted with (4) ungraded #10-32 pan head sheet metal screws.  
Unit maintained structural integrity and remained functional per manufacturer requirement.  
Contents were included in testing per operating conditions.

# UNIT UNDER TEST (UUT) SUMMARY SHEET



TRU PROJECT NO. 16008

<b>Manufacturer:</b> Jeron Electronic Systems, Inc.	<b>UUT 2</b>
<b>Model Line:</b> Provider Nurse Call System Cabinets	
<b>Model Number:</b> Provider 790 <span style="float: right;"><b>Serial Number:</b> N/A</span>	

**Product Construction Summary:**  
16GA. Carbon steel enclosure.

**Options/Subcomponent Summary:**  
Enclosure - 7989 | Ethernet Switch - 7991 | Gateway - 7993 | Power Supply Unit - 7995.

**UUT Properties**

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
51	4	24	30	N/A	N/A	N/A

**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 2016	ICC-ES AC156	2.49g	1.0	1.5	3.98g	2.99g	1.67g	0.67g

**Test Mounting Details:**



Rigid wall mounted with (4) ungraded #10-32 pan head sheet metal screws.  
Unit maintained structural integrity and remained functional per manufacturer requirement.  
Contents were included in testing per operating conditions.