



**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

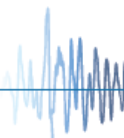
Telephone: 844-878-0200 Email: mtobolski@trucompliance.com

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"





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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

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): _____

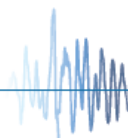
Testing Laboratory

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





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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) = 1.87

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

Ω_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) = _____

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, 2015: Yes No

List of Attachments Supporting Special Seismic Certification

Test Report(s) Drawings Calculations Manufacturer's Catalog

Other(s) (Please Specify): Attachment A

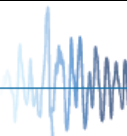
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022

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): _____



UNIT UNDER TEST (UUT) SUMMARY SHEET



TRU PROJECT NO. 16008

Manufacturer: Jeron Electronic Systems, Inc.	UUT 1
Model Line: Provider Nurse Call System Cabinets	
Model Number: Provider 680 Serial Number: N/A	

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 _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
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

Manufacturer: Jeron Electronic Systems, Inc.	UUT 2
Model Line: Provider Nurse Call System Cabinets	
Model Number: Provider 790 Serial Number: N/A	

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 _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
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.
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