



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

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

OFFICE USE ONLY

APPLICATION #: OSP-0718

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Comsys

Manufacturer's Technical Representative: Jonas Persson

Mailing Address: Kalkstenvägen 5, Lund, SE 11111

Telephone: (102) 096-6804

Email: jonas.persson@comsys.se

Product Information

Product Name: Power Isolation and Correction Systems

Product Type: Power Isolation and Correction Systems

Product Model Number: ADF P300

General Description: Active Filter

BY: Mohammad Karim

Mounting Description: Rigid, Floor/Wall Mounted

Tested Seismic Enhancements: None

DATE: 11/16/2021

Applicant Information

Applicant Company Name: Structural Integrity Associates, Inc.

Contact Person: Galen Reid

Mailing Address: 233 SW Wilson Ave Suite 101, Bend, OR 97702

Telephone: (541) 604-7225

Email: greid@structint.com

Title: Manager, TRU Compliance





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

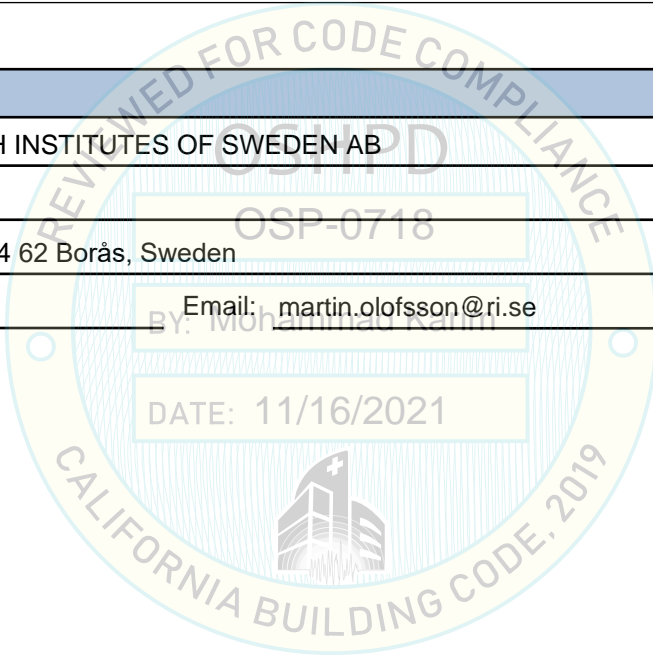
Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.
Name: Andrew Coughlin California License Number: S6082
Mailing Address: 5215 Hellyer Ave, Suite 101, San Jose, CA 95138-1025
Telephone: (415) 635-8461 Email: acoughlin@structint.com

Certification Method

GR-63-Core ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
 Other (Please Specify): _____

Testing Laboratory

Company Name: RISE RESEARCH INSTITUTES OF SWEDEN AB
Contact Person: Martin Olofsson
Mailing Address: Brinellgatan 4, 504 62 Borås, Sweden
Telephone: +46 10-516 50 00 Email: martin.olofsson@ri.se





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 0.95 (z/h = 1); 0.90 (z/h = 0)

SDS (Design spectral response acceleration at short period, g) = 1.26 (z/h = 1); 2.01(z/h = 0)

a_p (Amplification factor) = 2.5

R_p (Response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1 and 0

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

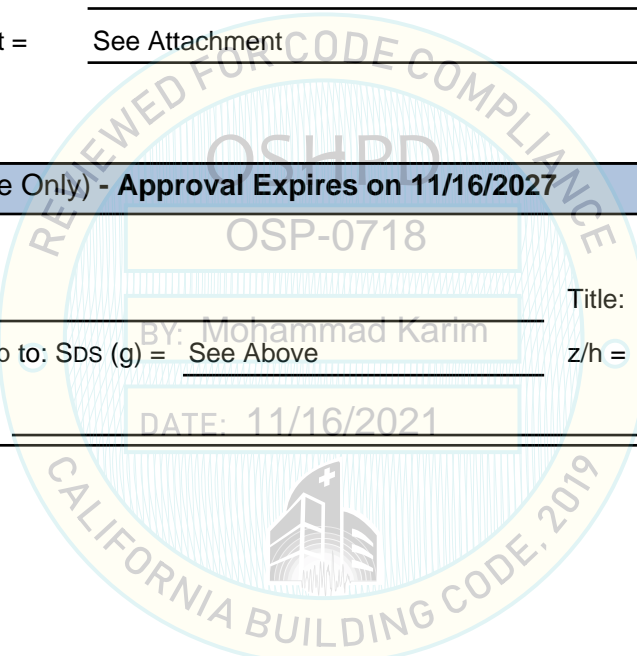
OSHPD Approval (For Office Use Only) - Approval Expires on 11/16/2027

Date: 11/16/2021

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 11/16/2021



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2001433-CR-001-R1



Manufacturer: Comsys	TABLE 1
Model Line: ADF P300 Active Filters	

Certified Product Construction Summary:
NEMA 1 or 2 enclosure. 1.5 mm painted carbon steel frame and panels

Certified Options Summary:
Subcomponents are uniquely identified by model numbers below.

Mounting Configuration:
Base/wall mounted - rigid
Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019, IBC 2018 **Seismic Certification Limits:** $S_{DS} = 1.26g \quad z/h = 1.0$ $I_p = 1.5$
 $S_{DS} = 2.01g \quad z/h = 0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
ADF P300	ADF P300- 110/480-UL	25	16	85	514	UL, 208 - 480 V, 110 A	1
	ADF P300-50/480	25	16	85	514	IEC/CE, 208 - 480 V, 50 A	Interp.
	ADF P300-75/480	25	16	85	514	IEC/CE, 208 - 480 V, 75 A	Interp.
	ADF P300-100/480	25	16	85	514	IEC/CE, 208 - 480 V, 100 A	Interp.
	ADF P300-125/480	25	16	85	514	IEC/CE, 208 - 480 V, 125 A	Interp.
	ADF P300-120/480	25	16	85	514	IEC/CE, 208 - 480 V, 120 A	Interp.
	ADF P300-150/480	25	16	85	538	IEC/CE, 208 - 480 V, 150 A	Interp.
	ADF P300- 90/600-UL	25	16	85	538	UL, 480 - 600 V, 90 A	Interp.
	ADF P300- 90/690	25	16	85	538	IEC/CE, 480 - 690 V, 90 A	Interp.
	ADF P300- 220/480-UL	25	24	85	836	UL, 208 - 480 V, 220 A	Interp.
	ADF P300-250/480	25	24	85	836	IEC/CE, 208 - 480 V, 250 A	Interp.
	ADF P300-240/480	25	24	85	836	IEC/CE, 208 - 480 V, 240 A	Interp.
	ADF P300-300/480	25	24	85	877	IEC/CE, 208 - 480 V, 300 A	Interp.
	ADF P300- 180/600-UL	25	24	85	877	UL, 480 - 600 V, 180 A	Interp.
	ADF P300- 180/690	25	24	85	877	IEC/CE, 480 - 690 V, 180 A	Interp.
	ADF P300- 330/480-UL	25	32	85	1223	UL, 208 - 480 V, 330 A	Interp.
	ADF P300-375/480	25	32	85	1223	IEC/CE, 208 - 480 V, 375 A	Interp.
	ADF P300-360/480	25	32	85	1223	IEC/CE, 208 - 480 V, 360 A	Interp.
	ADF P300- 270/600-UL	25	32	85	1283	UL, 480 - 600 V, 270 A	Interp.
	ADF P300- 450/480	25	32	85	1283	IEC/CE, 208 - 480 V, 450 A	Interp.
ADF P300- 270/690	25	32	85	1283	IEC/CE, 480 - 690 V, 270 A	2	

UNIT UNDER TEST (UUT) SUMMARY SHEET

2001433-CR-001-R1



Manufacturer: Comsys	UUT 1
Model Line: ADF P300 Active Filters	
Model Number: ADF P300- 110/480-UL	
Serial Number: 2119999	

Product Construction Summary:
NEMA 1 enclosure. 1.5 mm painted carbon steel frame and panels

Options/Subcomponent Summary:
Subcomponents are uniquely identified by model number.

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
514	25	16	85	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019, IBC 2018	ICC-ES AC156	1.30	1.0	1.5	2.08	1.56	1.39	0.55
		2.08	0.0	1.5				

Test Mounting Details:



UUT is base mounted-rigid using (4) grade 8.8 M12 bolts and wall-mounted-rigid using (2) grade 8.8 M12 threaded rods on the top backside of the UUT. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

2001433-CR-001-R1



Manufacturer: Comsys	UUT 2
Model Line: ADF P300 Active Filters	
Model Number: ADF P300- 270/690	
Serial Number: 2107100	

Product Construction Summary:
NEMA 1 enclosure. 1.5 mm painted carbon steel frame and panels

Options/Subcomponent Summary:
Subcomponents are uniquely identified by model number.

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1283	25	32	85	N/A	N/A	N/A

UUT Highest Passed Seismic Run Information

Building Code	Test Criteria	S _{DS} (g)	z/h	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019, IBC 2018	ICC-ES AC156	1.26	1.0	1.5	2.02	1.51	1.34	0.54
		2.01	0.0	1.5				

Test Mounting Details:



UUT is base mounted-rigid using (4) grade 8.8 M12 bolts and wall-mounted-rigid using (2) grade 8.8 M12 threaded rods on the top backside of the UUT. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.