



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0803

HCAI Special Seismic Certification Preapproval (OSP)

Type: [X] New [ ] Renewal

Manufacturer Information

Manufacturer: Schneider Electric IT Corporation

Manufacturer's Technical Representative: Chain Wang

Mailing Address: 4F, building 9 No. 3000 LongDong Ave Pud, Pudong, Shanghai 200001

Telephone: +86-0216-159857 Email: qianmeng-chain.wang@schneider-electric.com

Product Information

Product Name: Air Conditioning Units

Product Type: Air Conditioning Units - Data Room

Product Model Number: InRow Cooling Units

General Description: DX and Chilled Water data room air conditioning units.

Mounting Description: Rigid, Floor Mounted

Tested Seismic Enhancements: None

Applicant Information

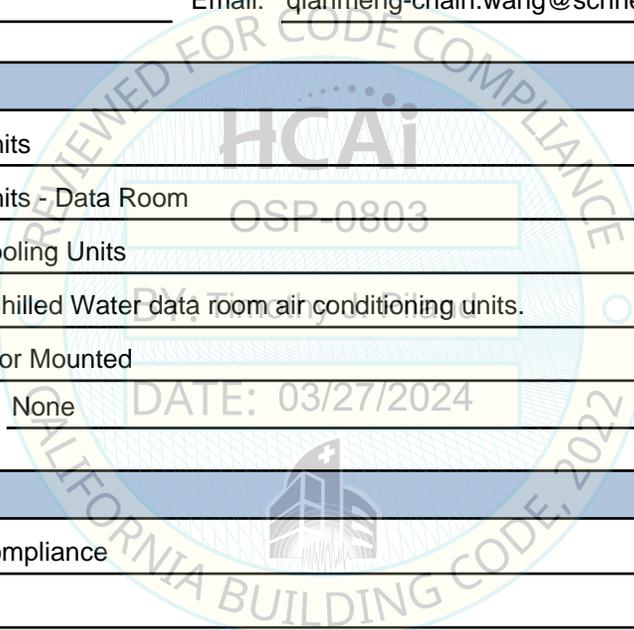
Applicant Company Name: Pre Compliance

Contact Person: Galen Reid

Mailing Address: 36 SW Wall Street, Bend, OR 97702

Telephone: (541) 241-2310 Email: galen@go-pre.com

Title: Principal & Program Manager





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

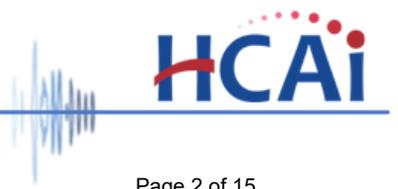
Company Name: PRE COMPLIANCE  
Name: Andrew Coughlin California License Number: S6082  
Mailing Address: 36 SW Wall Street, Bend, OR 97702  
Telephone: (415) 635-8461 Email: Andy@go-pre.com

**Certification Method**

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

**Testing Laboratory**

Company Name: CHINA TELECOMMUNICATION TECHNOLOGY LABS (CTTL)  
Contact Person: Cuilan Fang  
Mailing Address: 299 Tengfei Road, Lianchi District, Baoding City Hebei Province, China 017000  
Telephone: +86-0312-6798950 Email: cuilanfang@caict.ac.cn





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**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.34 (z/h = 1); 1.11 (z/h = 0)

SDS (Design spectral response acceleration at short period, g) = 1.78 (z/h = 1); 2.46 (z/h = 0)

$a_p$  (Amplification factor) = 2.5

$R_p$  (Response modification factor) = 6.0

$\Omega_0$  (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

**HCAI Approval (For Office Use Only) - Approval Expires on 03/27/2030**

Date: 3/27/2024

Name: Timothy Piland Title: Senior Structural Engineer

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

Condition of Approval (if applicable): DATE: 03/27/2024





# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

Pre No. CC231317-01-R0

**Manufacturer:** Schneider Electric IT Corporation  
**Product Type:** Air Conditioning Units – Data Room  
**Model Line:** InRow Cooling Units

### Seismic Parameters

$S_{DS} = 1.78g$  for  $z/h=1$   
 $S_{DS} = 2.46g$  for  $z/h=0$        $I_p = 1.5$

### Building Codes

CBC 2022

## TABLE 1

Mounting Configuration: Base Mounted - Rigid

### Construction Summary

18 ga. to 14 ga. cold rolled carbon steel

### Options Summary

"P" designates electric heat and humidification option.  
 "S" and "H" designate water temperature.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Notes	UUT
		D	W	H			
DX InRow Indoor Units	ACRD301P	43.11	11.81	78.39	382.5	Ganged installation only with a minimum ganged width of 43.11"	1
	ACRD301S	43.11	11.81	78.39	352.7		Interp.
	ACRD101D	43.11	11.81	78.39	330.7		Interp.
	ACRD101S	43.11	11.81	78.39	330.7		Interp.
	ACRD101P	43.11	11.81	78.39	363.8		Interp.
	ACRD201S2	43.11	11.81	78.39	341.2		Interp.
	ACRD201P2	43.11	11.81	78.39	371.3		Interp.
	ACRD301S3	43.11	11.81	78.39	371.8		Interp.
	ACRD301P3	43.11	11.81	78.39	380.5		Interp.
	ACRD600	42.13	23.62	78.39	886.3		Interp.
	ACRD601	42.13	23.62	78.39	862.0		Interp.
	ACRD600P	42.13	23.62	78.39	910.5		2
	ACRD601P	42.13	23.62	78.39	886.3		Interp.
	ACRD602	42.13	23.62	78.39	862.0		Interp.
ACRD602P	42.13	23.62	78.39	886.3	Interp.		
CW InRow Indoor Units	ACRC301S	43.11	11.81	78.39	405.7	Ganged installation only with a minimum ganged width of 43.11"	Interp.
	ACRC301H	43.11	11.81	78.39	463.0		Interp.
	ACRC331P3B	43.11	11.81	78.39	474.0		3
	ACRC331S2Z	43.11	11.81	78.39	452.8		Interp.
	ACRC331S2W	43.11	11.81	78.39	451.5		Interp.
	ACRC331P2W	43.11	11.81	78.39	472.8		Interp.
	ACRC331S3W	43.11	11.81	78.39	452.1		Interp.
	ACRC331P3W	43.11	11.81	78.39	473.3		Interp.
	ACRC331S2B	43.11	11.81	78.39	451.5		Interp.
	ACRC331P2B	43.11	11.81	78.39	472.8		Interp.
	ACRC331S3B	43.11	11.81	78.39	452.1		Interp.
	ACRC331P2Z	43.11	11.81	78.39	472.8		Interp.
	ACRC600P	42.13	23.62	78.39	778.2		Interp.
ACRC601P	42.13	23.62	78.39	778.2	Interp.		
ACRC600	42.13	23.62	78.39	760.6	Interp.		



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**Seismic Parameters**

$S_{DS} = 1.78g$  for  $z/h=1$        $I_p = 1.5$   
 $S_{DS} = 2.46g$  for  $z/h=0$

**Building Codes**

**CBC 2022**

## TABLE 2

Table Description: Subcomponents

Component	Manufacturer	Model	Notes	UUT
Fin/Tube Evaporators	Changzhou Changfa	6803-0002E		1
		6803-0008A		Interp.
		TME40670		Interp.
		TME40669		Interp.
	Modine	TME26500		3
		875-0015		2
		OM-816177A		Interp.
		875-3984A		Interp.
		875-0961		4
Fin/Tube Condenser	Changzhou Changfa	6803-0004		5,6
Microchannel Coil	Changzhou Changfa	875-3853		7
EC Axial Fans	EBM-Papst	490-0197		1
		490-9153		5
		490-9164		Interp.
		TME25048/490-9152		6
		TME34604		3
EC Backward Inclined Fans	EBM-Papst	490-0081B		2
		TME40944/490-0080B		4
Condensate Pumps	Charles Austen	ON-10269		1,3
	Milton Roy	491-0523A		2,4
Unit Controllers	Bangalore BEF	ON-2040		1
		ON-2041		3
		ON-10162		Interp.
		OP-6940AD		4
	Hangzhou Leaderway Electronics co. ltd.	CSAAQ264CD		7
	Electric Valve Actuators	Johnson Controls	875-4587	
Elodrive		491-0521A		4
DC Rectifiers	GE Power Electronics	921-0017		1
	Mornsun Science & Technology	TME40920		3
Heaters	Zoppas Industries	ON-2095	240V/1.5kW	1
		101-0091D	480V/3kW	Interp.
		101-0092D	400V/3kW	2

















