



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP – 0488 – 10

OSHPD Special Seismic Certification Preapproval (OSP)

Type: ☒ New ☐ Renewal

Manufacturer Information

Manufacturer: Evapco

Manufacturer's Technical Representative: Scott Nevins

Mailing Address: 5151 Allendale Ln, Taneytown, MD 21787

Telephone: 410-756-2600 Email: snevins@evapco.com

Product Information

Product Name: AT Upgraded Construction

Product Type: Cooling Towers

Product Model Number: See Attachment A

(List all unique product identification numbers and/or part numbers)

General Description: Counter flow cooling tower constructed of galvanized or stainless steel w/ upgraded seismic construction. Several Cofimco fans are limited to $S_{DS}=1.46g$ (see Table 2.2) and several Nidec motors are limited to $S_{DS}=1.75g$ (see Table 2.3)

Mounting Description: Base mounted - rigid & isolated

Applicant Information

Applicant Company Name: TRU Compliance, a Structural Integrity Associates, Inc. Brand

Contact Person: Matt Tobolski, PhD, SE

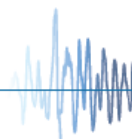
Mailing Address: 3500 SW 21st Place, Redmond, OR 97756

Telephone: 844.878.0200 Email: mtobolski@structint.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: 10/12/2017

Title: Executive Advisor Company Name: Structural Integrity Associates, Inc.





OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

OSH-FD-759 (REV 12/16/15)

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

Company Name: TRU Compliance, a Structural Integrity Associates, Inc. Brand

Name: Matt Tobolski, PhD, SE California License Number: S5648

Mailing Address: 3500 SW 21st Place, Redmond, OR 97756

Telephone: 844.878.0200 Email: mtobolski@structint.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): _____

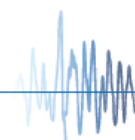
Testing Laboratory

Company Name: Lab1: Pacific Earthquake Engineering Research Center (PEER)
Lab2: Clark
Lab3: UCSD SRMD Testing Facility

Contact Name: Lab1: Clement B. Barthes
Lab2: Robert Francis
Lab3: Danny Innamorato

Mailing Address: Lab1: 1301 South 46th St., Bldg. 420, Richmond, CA 94804
Lab2: 2902 Newmark Drive, Champaign, IL 61822
Lab3: 9500 Gilman Drive, MC 0085, La Jolla, CA 92093

Telephone: Lab1: (510) 642-3437 Lab1: peer_center@berkeley.edu
Lab2: (412) 387-1001 Lab2: rfrancis@clarktesting.com
Lab3: (858) 822-4928 Email: Lab3: dinnamorato@ucsd.edu





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) = 4.34g

S_{DS} (Design spectral response acceleration at short period, g) = 1.93g

a_p (In-structure equipment or component amplification factor) = 2.5

R_p (Equipment or component response modification factor) = 2.0

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

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

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

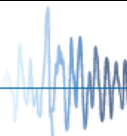
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022

Signature: Ali Sumer Date: 10/27/2017

Print Name: Ali Sumer Title: DSE

Special Seismic Certification Valid Up to : S_{DS} (g) = 1.93 z/h = 1.0

Condition of Approval (if applicable): Several Cofimco fans are limited to $S_{DS}=1.46g$ (see Table 2.2) and several Nidec motors are limited to $S_{DS}=1.75g$ (see Table 2.3).



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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	19-2F8	89.9	101.5	128.3	5,810		Extrap.
	19-2G8	89.9	101.5	128.3	5,870		Extrap.
	19-2H8	89.9	101.5	128.3	5,910		Extrap.
	19-2I8	89.9	101.5	128.3	5,940		Extrap.
	19-3F8	89.9	101.5	140.3	6,040		Extrap.
	19-3G8	89.9	101.5	140.3	6,100		Extrap.
	19-3H8	89.9	101.5	140.3	6,140		Extrap.
	19-3I8	89.9	101.5	140.3	6,170		Extrap.
	19-3J8	89.9	101.5	140.3	6,230		Extrap.
	19-4F8	89.9	101.5	152.3	6,310		Extrap.
	19-4G8	89.9	101.5	152.3	6,370		Extrap.
	19-4H8	89.9	101.5	152.3	6,410		Extrap.
	19-4I8	89.9	101.5	152.3	6,440		Extrap.
	19-4J8	89.9	101.5	152.3	6,500		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	18-2G9	94.0	107.5	136.4	6,400		Extrap.
	18-2H9	94.0	107.5	136.4	6,440		Extrap.
	18-2I9	94.0	107.5	136.4	6,470		Extrap.
	18-2J9	94.0	107.5	136.4	6,540		Extrap.
	18-3G9	94.0	107.5	148.4	6,650		Extrap.
	18-3H9	94.0	107.5	148.4	6,690		Extrap.
	18-3I9	94.0	107.5	148.4	6,720		Extrap.
	18-3J9	94.0	107.5	148.4	6,790		Extrap.
	18-3K9	94.0	107.5	148.4	6,840		Extrap.
	18-4G9	94.0	107.5	160.4	6,930		Extrap.
	18-4H9	94.0	107.5	160.4	6,970		Extrap.
	18-4I9	94.0	107.5	160.4	7,000		Extrap.
	18-4J9	94.0	107.5	160.4	7,070		Extrap.
	18-4K9	94.0	107.5	160.4	7,120		Extrap.

TRU PROJECT NO. 1700689



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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer:	Evapco	TABLE 2.1
Model Line:	AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	18-2H12	94.0	143.8	136.4	8,360		Extrap.
	18-2I12	94.0	143.8	136.4	8,390		Extrap.
	18-2J12	94.0	143.8	136.4	8,460		Extrap.
	18-2K12	94.0	143.8	136.4	8,510		Extrap.
	18-3H12	94.0	143.8	148.4	8,690		Extrap.
	18-3I12	94.0	143.8	148.4	8,720		Extrap.
	18-3J12	94.0	143.8	148.4	8,790		Extrap.
	18-3K12	94.0	143.8	148.4	8,840		Extrap.
	18-3L12	94.0	143.8	148.4	8,870		Extrap.
	18-4H12	94.0	143.8	160.4	9,050		Extrap.
	18-4I12	94.0	143.8	160.4	9,080		Extrap.
	18-4J12	94.0	143.8	160.4	9,150		Extrap.
	18-4K12	94.0	143.8	160.4	9,200		Extrap.
	18-4L12	94.0	143.8	160.4	9,230		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	18-2H14	94.0	167.8	140.8	9,410		Extrap.
	18-2I14	94.0	167.8	140.8	9,440		Extrap.
	18-2J14	94.0	167.8	140.8	9,510		Extrap.
	18-2K14	94.0	167.8	140.8	9,560		Extrap.
	18-2L14	94.0	167.8	140.8	9,590		Extrap.
	18-3H14	94.0	167.8	152.8	9,790		Extrap.
	18-3I14	94.0	167.8	152.8	9,820		Extrap.
	18-3J14	94.0	167.8	152.8	9,890		Extrap.
	18-3K14	94.0	167.8	152.8	9,940		Extrap.
	18-3L14	94.0	167.8	152.8	9,970		Extrap.
	18-3M14	94.0	167.8	152.8	9,990		Extrap.
	18-4H14	94.0	167.8	164.8	10,200		Extrap.
	18-4I14	94.0	167.8	164.8	10,230		Extrap.
	18-4J14	94.0	167.8	164.8	10,300		Extrap.
	18-4K14	94.0	167.8	164.8	10,350		Extrap.
	18-4L14	94.0	167.8	164.8	10,380		Extrap.
	18-4M14	94.0	167.8	164.8	10,400		Extrap.

TRU PROJECT NO. 1700689

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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	19-2G11	101.5	125.5	136.4	7,830		Extrap.
	19-2H11	101.5	125.5	136.4	7,870		Extrap.
	19-2I11	101.5	125.5	136.4	7,900		Extrap.
	19-2J11	101.5	125.5	136.4	7,970		Extrap.
	19-3G11	101.5	125.5	148.4	8,150		Extrap.
	19-3H11	101.5	125.5	148.4	8,190		Extrap.
	19-3I11	101.5	125.5	148.4	8,220		Extrap.
	19-3J11	101.5	125.5	148.4	8,290		Extrap.
	19-3K11	101.5	125.5	148.4	8,340		Extrap.
	19-4G11	101.5	125.5	160.4	8,500		Extrap.
	19-4H11	101.5	125.5	160.4	8,540		Extrap.
	19-4I11	101.5	125.5	160.4	8,570		Extrap.
	19-4J11	101.5	125.5	160.4	8,640		Extrap.
	19-4K11	101.5	125.5	160.4	8,690		Extrap.
	19-4L11	101.5	125.5	160.4	8,720		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	19-2H12	101.5	143.8	140.8	8,940		Extrap.
	19-2I12	101.5	143.8	140.8	8,970		Extrap.
	19-2J12	101.5	143.8	140.8	9,050		Extrap.
	19-2K12	101.5	143.8	140.8	9,090		Extrap.
	19-3H12	101.5	143.8	152.8	9,300		Extrap.
	19-3I12	101.5	143.8	152.8	9,330		Extrap.
	19-3J12	101.5	143.8	152.8	9,410		Extrap.
	19-3K12	101.5	143.8	152.8	9,450		Extrap.
	19-3L12	101.5	143.8	152.8	9,470		Extrap.
	19-4H12	101.5	143.8	164.8	9,690		Extrap.
	19-4I12	101.5	143.8	164.8	9,720		Extrap.
	19-4J12	101.5	143.8	164.8	9,800		Extrap.
	19-4K12	101.5	143.8	164.8	9,840		Extrap.
	19-4L12	101.5	143.8	164.8	9,860		Extrap.
	19-4M12	101.5	143.8	164.8	9,880		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:

Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:

Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

Mounting Configuration:

Base mounted - rigid & isolated

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2016	Seismic Certification Limits:	$S_{DS} = 1.93$	$z/h=1.0$	$I_p = 1.5$
		$S_{DS} = 1.93$	$z/h=0.0$	

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	19-2H14	101.5	167.8	140.8	10,050		Extrap.
	19-2I14	101.5	167.8	140.8	10,080		Extrap.
	19-2J14	101.5	167.8	140.8	10,160		Extrap.
	19-2K14	101.5	167.8	140.8	10,200		Extrap.
	19-2L14	101.5	167.8	140.8	10,220		Extrap.
	19-3H14	101.5	167.8	152.8	10,460		Extrap.
	19-3I14	101.5	167.8	152.8	10,490		Extrap.
	19-3J14	101.5	167.8	152.8	10,570		Extrap.
	19-3K14	101.5	167.8	152.8	10,610		Extrap.
	19-3L14	101.5	167.8	152.8	10,630		Extrap.
	19-3M14	101.5	167.8	152.8	10,650		Extrap.
	19-4H14	101.5	167.8	164.8	10,910		Extrap.
	19-4I14	101.5	167.8	164.8	10,940		Extrap.
	19-4J14	101.5	167.8	164.8	11,020		Extrap.
	19-4K14	101.5	167.8	164.8	11,060		Extrap.
	19-4L14	101.5	167.8	164.8	11,080		Extrap.
	19-4M14	101.5	167.8	164.8	11,100		1

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:

Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:

Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

Mounting Configuration:

Base mounted - rigid & isolated

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2016	Seismic Certification Limits:	$S_{DS} = 1.93$	$z/h=1.0$	$I_p = 1.5$
		$S_{DS} = 1.93$	$z/h=0.0$	

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	110-2I12	117.8	143.8	161.3	11,830		Interp.
	110-2J12	117.8	143.8	161.3	11,900		Interp.
	110-2K12	117.8	143.8	161.3	11,950		Interp.
	110-2L12	117.8	143.8	161.3	12,000		Interp.
	110-2M12	117.8	143.8	161.3	12,100		Interp.
	110-3I12	117.8	143.8	173.3	12,310		Interp.
	110-3J12	117.8	143.8	173.3	12,380		Interp.
	110-3K12	117.8	143.8	173.3	12,430		Interp.
	110-3L12	117.8	143.8	173.3	12,480		Interp.
	110-3M12	117.8	143.8	173.3	12,580		Interp.
	110-4I12	117.8	143.8	185.3	12,730		Interp.
	110-4J12	117.8	143.8	185.3	12,800		Interp.
	110-4K12	117.8	143.8	185.3	12,850		Interp.
	110-4L12	117.8	143.8	185.3	12,900		Interp.
	110-4M12	117.8	143.8	185.3	13,000		Interp.
	110-4N12	117.8	143.8	185.3	13,250		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	110-2I18	117.8	216.0	161.3	17,200		Interp.
	110-2J18	117.8	216.0	161.3	17,270		Interp.
	110-2K18	117.8	216.0	161.3	17,320		Interp.
	110-2L18	117.8	216.0	161.3	17,370		Interp.
	110-2M18	117.8	216.0	161.3	17,470		Interp.
	110-3I18	117.8	216.0	173.3	17,890		Interp.
	110-3J18	117.8	216.0	173.3	17,960		Interp.
	110-3K18	117.8	216.0	173.3	18,010		Interp.
	110-3L18	117.8	216.0	173.3	18,060		Interp.
	110-3M18	117.8	216.0	173.3	18,160		Interp.
	110-3N18	117.8	216.0	173.3	18,410		Interp.
	110-4I18	117.8	216.0	185.3	18,520		Interp.
	110-4J18	117.8	216.0	185.3	18,590		Interp.
	110-4K18	117.8	216.0	185.3	18,640		Interp.
	110-4L18	117.8	216.0	185.3	18,690		Interp.
	110-4M18	117.8	216.0	185.3	18,790		Interp.
	110-4N18	117.8	216.0	185.3	19,040		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	112-2I12	142.0	143.8	162.3	13,540		Interp.
	112-2J12	142.0	143.8	162.3	13,610		Interp.
	112-2K12	142.0	143.8	162.3	13,660		Interp.
	112-2L12	142.0	143.8	162.3	13,710		Interp.
	112-2M12	142.0	143.8	162.3	13,810		Interp.
	112-3I12	142.0	143.8	174.3	14,080		Interp.
	112-3J12	142.0	143.8	174.3	14,150		Interp.
	112-3K12	142.0	143.8	174.3	14,200		Interp.
	112-3L12	142.0	143.8	174.3	14,250		Interp.
	112-3M12	142.0	143.8	174.3	14,350		Interp.
	112-4I12	142.0	143.8	186.3	14,570		Interp.
	112-4J12	142.0	143.8	186.3	14,640		Interp.
	112-4K12	142.0	143.8	186.3	14,690		Interp.
	112-4L12	142.0	143.8	186.3	14,740		Interp.
	112-4M12	142.0	143.8	186.3	14,840		Interp.
	112-4N12	142.0	143.8	186.3	15,090		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	112-2I14	142.0	167.8	168.3	15,560		Interp.
	112-2J14	142.0	167.8	168.3	15,630		Interp.
	112-2K14	142.0	167.8	168.3	15,690		Interp.
	112-2L14	142.0	167.8	168.3	15,750		Interp.
	112-2M14	142.0	167.8	168.3	15,820		Interp.
	112-3I14	142.0	167.8	180.3	16,220		Interp.
	112-3J14	142.0	167.8	180.3	16,290		Interp.
	112-3K14	142.0	167.8	180.3	16,350		Interp.
	112-3L14	142.0	167.8	180.3	16,410		Interp.
	112-3M14	142.0	167.8	180.3	16,480		Interp.
	112-3N14	142.0	167.8	180.3	16,740		Interp.
	112-4I14	142.0	167.8	192.3	16,740		Interp.
	112-4J14	142.0	167.8	192.3	16,810		Interp.
	112-4K14	142.0	167.8	192.3	16,870		Interp.
	112-4L14	142.0	167.8	192.3	16,930		Interp.
	112-4M14	142.0	167.8	192.3	17,000		Interp.
	112-4N14	142.0	167.8	192.3	17,260		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	112-2J18	142.0	216.0	174.3	19,870		Interp.
	112-2K18	142.0	216.0	174.3	19,930		Interp.
	112-2L18	142.0	216.0	174.3	19,980		Interp.
	112-2M18	142.0	216.0	174.3	20,090		Interp.
	112-2N18	142.0	216.0	174.3	20,350		Interp.
	112-3J18	142.0	216.0	186.3	20,650		Interp.
	112-3K18	142.0	216.0	186.3	20,710		Interp.
	112-3L18	142.0	216.0	186.3	20,760		Interp.
	112-3M18	142.0	216.0	186.3	20,870		Interp.
	112-3N18	142.0	216.0	186.3	21,130		Interp.
	112-3O18	142.0	216.0	186.3	21,190		Interp.
	112-4J18	142.0	216.0	198.3	21,390		Interp.
	112-4K18	142.0	216.0	198.3	21,450		Interp.
	112-4L18	142.0	216.0	198.3	21,500		Interp.
	112-4M18	142.0	216.0	198.3	21,610		Interp.
	112-4N18	142.0	216.0	198.3	21,870		Interp.
	112-4O18	142.0	216.0	198.3	21,930		Interp.
	112-4P18	142.0	216.0	198.3	22,040		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer:	Evapco	TABLE 2.1
Model Line:	AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (1) Cell	112-2K20	142.0	240.0	174.3	21,720		Interp.
	112-2L20	142.0	240.0	174.3	21,770		Interp.
	112-2M20	142.0	240.0	174.3	21,880		Interp.
	112-2N20	142.0	240.0	174.3	22,140		Interp.
	112-2O20	142.0	240.0	174.3	22,200		Interp.
	112-3K20	142.0	240.0	186.3	22,450		Interp.
	112-3L20	142.0	240.0	186.3	22,500		Interp.
	112-3M20	142.0	240.0	186.3	22,610		Interp.
	112-3N20	142.0	240.0	186.3	22,870		Interp.
	112-3O20	142.0	240.0	186.3	22,930		Interp.
	112-4K20	142.0	240.0	198.3	23,350		Interp.
	112-4L20	142.0	240.0	198.3	23,400		Interp.
	112-4M20	142.0	240.0	198.3	23,510		Interp.
	112-4N20	142.0	240.0	198.3	23,770		Interp.
	112-4O20	142.0	240.0	198.3	23,830	(UUT 8 = 245" tall)	8
	112-4P20	142.0	240.0	198.3	23,940		Interp.
ATWB	12-7P20	142.0	240.0	199.4	58,760	UUT used for interpolation only	2

TRU PROJECT NO. 1700689



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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	28-2F17	89.9	205.5	136.3	11,700		Extrap.
	28-2G17	89.9	205.5	136.3	11,740		Extrap.
	28-2H17	89.9	205.5	136.3	11,820		Extrap.
	28-2I17	89.9	205.5	136.3	11,880		Extrap.
	28-3F17	89.9	205.5	148.3	12,160		Extrap.
	28-3G17	89.9	205.5	148.3	12,200		Extrap.
	28-3H17	89.9	205.5	148.3	12,280		Extrap.
	28-3I17	89.9	205.5	148.3	12,340		Extrap.
	28-3J17	89.9	205.5	148.3	12,460		Extrap.
	28-4F17	89.9	205.5	160.3	12,700		Extrap.
	28-4G17	89.9	205.5	160.3	12,740		Extrap.
	28-4H17	89.9	205.5	160.3	12,820		Extrap.
	28-4I17	89.9	205.5	160.3	12,880		Extrap.
	28-4J17	89.9	205.5	160.3	13,000		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco						TABLE 2.1	
Model Line: AT with UPGRADED CONSTRUCTION							
Certified Product Construction Summary: Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60							
Certified Options Summary: Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; Fan : Belt or Gear Drive; Cylinder extension ≤36"; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; Non-Active Options: Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain;Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door							
Mounting Configuration: Base mounted - rigid & isolated Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2016		Seismic Certification Limits:		$S_{DS} = 1.93 \quad z/h=1.0$ $S_{DS} = 1.93 \quad z/h=0.0$		$I_p = 1.5$	
Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	28-2H24	94.0	290.0	144.8	16,700		Extrap.
	28-2I24	94.0	290.0	144.8	16,760		Extrap.
	28-2J24	94.0	290.0	144.8	16,900		Extrap.
	28-2K24	94.0	290.0	144.8	17,000		Extrap.
	28-3H24	94.0	290.0	156.8	17,360		Extrap.
	28-3I24	94.0	290.0	156.8	17,420		Extrap.
	28-3J24	94.0	290.0	156.8	17,560		Extrap.
	28-3K24	94.0	290.0	156.8	17,660		Extrap.
	28-3L24	94.0	290.0	156.8	17,720		Extrap.
	28-4H24	94.0	290.0	168.8	18,080		Extrap.
	28-4I24	94.0	290.0	168.8	18,140		Extrap.
	28-4J24	94.0	290.0	168.8	18,280		Extrap.
	28-4K24	94.0	290.0	168.8	18,380		Extrap.
	28-4L24	94.0	290.0	168.8	18,440		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	28-2H28	94.0	338.0	150.8	18,880		Extrap.
	28-2I28	94.0	338.0	150.8	18,940		Extrap.
	28-2J28	94.0	338.0	150.8	19,080		Extrap.
	28-2K28	94.0	338.0	150.8	19,180		Extrap.
	28-2L28	94.0	338.0	150.8	19,240		Extrap.
	28-3H28	94.0	338.0	162.8	19,640		Extrap.
	28-3I28	94.0	338.0	162.8	19,700		Extrap.
	28-3J28	94.0	338.0	162.8	19,840		Extrap.
	28-3K28	94.0	338.0	162.8	19,940		Extrap.
	28-3L28	94.0	338.0	162.8	20,000		Extrap.
	28-3M28	94.0	338.0	162.8	20,040		Extrap.
	28-4H28	94.0	338.0	174.8	20,460		Extrap.
	28-4I28	94.0	338.0	174.8	20,520		Extrap.
	28-4J28	94.0	338.0	174.8	20,660		Extrap.
	28-4K28	94.0	338.0	174.8	20,760		Extrap.
	28-4L28	94.0	338.0	174.8	20,820		Extrap.
	28-4M28	94.0	338.0	174.8	20,860		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	29-2H24	101.5	290.0	144.8	17,860		Extrap.
	29-2I24	101.5	290.0	144.8	17,920		Extrap.
	29-2J24	101.5	290.0	144.8	18,080		Extrap.
	29-2K24	101.5	290.0	144.8	18,160		Extrap.
	29-3H24	101.5	290.0	156.8	18,580		Extrap.
	29-3I24	101.5	290.0	156.8	18,640		Extrap.
	29-3J24	101.5	290.0	156.8	18,800		Extrap.
	29-3K24	101.5	290.0	156.8	18,880		Extrap.
	29-3L24	101.5	290.0	156.8	18,920		Extrap.
	29-4H24	101.5	290.0	168.8	19,360		Extrap.
	29-4I24	101.5	290.0	168.8	19,420		Extrap.
	29-4J24	101.5	290.0	168.8	19,580		Extrap.
	29-4K24	101.5	290.0	168.8	19,660		Extrap.
	29-4L24	101.5	290.0	168.8	19,700		Extrap.
	29-4M24	101.5	290.0	168.8	19,740		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	29-2H28	101.5	338.0	150.8	20,160		Extrap.
	29-2I28	101.5	338.0	150.8	20,220		Extrap.
	29-2J28	101.5	338.0	150.8	20,380		Extrap.
	29-2K28	101.5	338.0	150.8	20,460		Extrap.
	29-2L28	101.5	338.0	150.8	20,500		Extrap.
	29-3H28	101.5	338.0	162.8	20,980		Extrap.
	29-3I28	101.5	338.0	162.8	21,040		Extrap.
	29-3J28	101.5	338.0	162.8	21,200		Extrap.
	29-3K28	101.5	338.0	162.8	21,280		Extrap.
	29-3L28	101.5	338.0	162.8	21,320		Extrap.
	29-3M28	101.5	338.0	162.8	21,360		Extrap.
	29-4H28	101.5	338.0	174.8	21,880		Extrap.
	29-4I28	101.5	338.0	174.8	21,940		Extrap.
	29-4J28	101.5	338.0	174.8	22,100		Extrap.
	29-4K28	101.5	338.0	174.8	22,180		Extrap.
	29-4L28	101.5	338.0	174.8	22,220		Interp.
	29-4M28	101.5	338.0	174.8	22,260		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	210-2I24	117.8	290.0	173.3	23,840		Interp.
	210-2J24	117.8	290.0	173.3	23,980		Interp.
	210-2K24	117.8	290.0	173.3	24,080		Interp.
	210-2L24	117.8	290.0	173.3	24,180		Interp.
	210-2M24	117.8	290.0	173.3	24,380		Interp.
	210-3I24	117.8	290.0	185.3	24,800		Interp.
	210-3J24	117.8	290.0	185.3	24,940		Interp.
	210-3K24	117.8	290.0	185.3	25,040		Interp.
	210-3L24	117.8	290.0	185.3	25,140		Interp.
	210-3M24	117.8	290.0	185.3	25,340		Interp.
	210-4I24	117.8	290.0	197.3	25,640		Interp.
	210-4J24	117.8	290.0	197.3	25,780		Interp.
	210-4K24	117.8	290.0	197.3	25,880		Interp.
	210-4L24	117.8	290.0	197.3	25,980		Interp.
	210-4M24	117.8	290.0	197.3	26,180		Interp.
	210-4N24	117.8	290.0	197.3	26,680		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	210-2I36	117.8	434.5	173.3	34,770		Interp.
	210-2J36	117.8	434.5	173.3	34,910		Interp.
	210-2K36	117.8	434.5	173.3	35,010		Interp.
	210-2L36	117.8	434.5	173.3	35,110		Interp.
	210-2M36	117.8	434.5	173.3	35,310		Interp.
	210-3I36	117.8	434.5	185.3	36,150		Interp.
	210-3J36	117.8	434.5	185.3	36,290		Interp.
	210-3K36	117.8	434.5	185.3	36,390		Interp.
	210-3L36	117.8	434.5	185.3	36,490		Interp.
	210-3M36	117.8	434.5	185.3	36,690		Interp.
	210-3N36	117.8	434.5	185.3	37,190		Interp.
	210-4I36	117.8	434.5	197.3	37,410		Interp.
	210-4J36	117.8	434.5	197.3	37,550		Interp.
	210-4K36	117.8	434.5	197.3	37,650		Interp.
	210-4L36	117.8	434.5	197.3	37,750		Interp.
	210-4M36	117.8	434.5	197.3	37,950		Interp.
	210-4N36	117.8	434.5	197.3	38,450		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	212-2I24	142.0	290.0	174.3	27,220		Interp.
	212-2J24	142.0	290.0	174.3	27,500		Interp.
	212-2K24	142.0	290.0	174.3	27,600		Interp.
	212-2L24	142.0	290.0	174.3	27,700		Interp.
	212-2M24	142.0	290.0	174.3	27,900		Interp.
	212-3I24	142.0	290.0	186.3	28,300		Interp.
	212-3J24	142.0	290.0	186.3	28,580		Interp.
	212-3K24	142.0	290.0	186.3	28,680		Interp.
	212-3L24	142.0	290.0	186.3	28,780		Interp.
	212-3M24	142.0	290.0	186.3	28,980		Interp.
	212-4I24	142.0	290.0	198.3	29,280		Interp.
	212-4J24	142.0	290.0	198.3	29,560		Interp.
	212-4K24	142.0	290.0	198.3	29,660		Interp.
	212-4L24	142.0	290.0	198.3	29,760		Interp.
	212-4M24	142.0	290.0	198.3	29,960		Interp.
	212-4N24	142.0	290.0	198.3	30,460		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer:	Evapco	TABLE 2.1
Model Line:	AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	212-2I28	142.0	338.0	186.3	31,480		Interp.
	212-2J28	142.0	338.0	186.3	31,620		Interp.
	212-2K28	142.0	338.0	186.3	31,740		Interp.
	212-2L28	142.0	338.0	186.3	31,860		Interp.
	212-2M28	142.0	338.0	186.3	32,000		Interp.
	212-3I28	142.0	338.0	198.3	32,800		Interp.
	212-3J28	142.0	338.0	198.3	32,940		Interp.
	212-3K28	142.0	338.0	198.3	33,060		Interp.
	212-3L28	142.0	338.0	198.3	33,180		Interp.
	212-3M28	142.0	338.0	198.3	33,320		Interp.
	212-3N28	142.0	338.0	198.3	33,840		Interp.
	212-4I28	142.0	338.0	210.3	33,840		Interp.
	212-4J28	142.0	338.0	210.3	33,980		Interp.
	212-4K28	142.0	338.0	210.3	34,100		Interp.
	212-4L28	142.0	338.0	210.3	34,220		Interp.
	212-4M28	142.0	338.0	210.3	34,360		Interp.
	212-4N28	142.0	338.0	210.3	34,880		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	212-2J36	142.0	434.5	186.3	40,000		Interp.
	212-2K36	142.0	434.5	186.3	40,120		Interp.
	212-2L36	142.0	434.5	186.3	40,220		Interp.
	212-2M36	142.0	434.5	186.3	40,440		Interp.
	212-2N36	142.0	434.5	186.3	40,960		Interp.
	212-3J36	142.0	434.5	198.3	41,560		Interp.
	212-3K36	142.0	434.5	198.3	41,680		Interp.
	212-3L36	142.0	434.5	198.3	41,780		Interp.
	212-3M36	142.0	434.5	198.3	42,000		Interp.
	212-3N36	142.0	434.5	198.3	42,520		Interp.
	212-3O36	142.0	434.5	198.3	42,640		Interp.
	212-4J36	142.0	434.5	210.3	43,040		Interp.
	212-4K36	142.0	434.5	210.3	43,160		Interp.
	212-4L36	142.0	434.5	210.3	43,260		Interp.
	212-4M36	142.0	434.5	210.3	43,480		Interp.
	212-4N36	142.0	434.5	210.3	44,000		Interp.
	212-4O36	142.0	434.5	210.3	44,120		Interp.
	212-4P36	142.0	434.5	210.3	44,340		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	212-2K40	142.0	482.5	186.3	43,730		Interp.
	212-2L40	142.0	482.5	186.3	43,830		Interp.
	212-2M40	142.0	482.5	186.3	44,050		Interp.
	212-2N40	142.0	482.5	186.3	44,570		Interp.
	212-2O40	142.0	482.5	186.3	44,690		Interp.
	212-3K40	142.0	482.5	198.3	45,190		Interp.
	212-3L40	142.0	482.5	198.3	45,290		Interp.
	212-3M40	142.0	482.5	198.3	45,510		Interp.
	212-3N40	142.0	482.5	198.3	46,030		Interp.
	212-3O40	142.0	482.5	198.3	46,150		Interp.
	212-4K40	142.0	482.5	210.3	46,990		Interp.
	212-4L40	142.0	482.5	210.3	47,090		Interp.
	212-4M40	142.0	482.5	210.3	47,310		Interp.
	212-4N40	142.0	482.5	210.3	47,830		Interp.
	212-4O40	142.0	482.5	210.3	47,950		Interp.
	212-4P40	142.0	482.5	210.3	48,170		Interp.

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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	216-2H12	193.1	143.8	147.4	16,720		Extrap.
	216-2I12	193.1	143.8	147.4	16,780		Extrap.
	216-2J12	193.1	143.8	147.4	16,920		Extrap.
	216-2K12	193.1	143.8	147.4	17,020		Extrap.
	216-3H12	193.1	143.8	159.4	17,380		Extrap.
	216-3I12	193.1	143.8	159.4	17,440		Extrap.
	216-3J12	193.1	143.8	159.4	17,580		Extrap.
	216-3K12	193.1	143.8	159.4	17,680		Extrap.
	216-3L12	193.1	143.8	159.4	17,740		Extrap.
	216-4H12	193.1	143.8	171.4	18,100		Extrap.
	216-4I12	193.1	143.8	171.4	18,160		Extrap.
	216-4J12	193.1	143.8	171.4	18,300		Extrap.
	216-4K12	193.1	143.8	171.4	18,400		Extrap.
	216-4L12	193.1	143.8	171.4	18,460		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:

Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:

Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

Mounting Configuration:

Base mounted - rigid & isolated

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2016	Seismic Certification Limits:	$S_{DS} = 1.93$	$z/h=1.0$	$I_p = 1.5$
		$S_{DS} = 1.93$	$z/h=0.0$	

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	216-2H14	193.1	167.8	153.4	18,820		Extrap.
	216-2I14	193.1	167.8	153.4	18,880		Extrap.
	216-2J14	193.1	167.8	153.4	19,020		Extrap.
	216-2K14	193.1	167.8	153.4	19,120		Extrap.
	216-2L14	193.1	167.8	153.4	19,180		Extrap.
	216-3H14	193.1	167.8	165.4	19,580		Extrap.
	216-3I14	193.1	167.8	165.4	19,640		Extrap.
	216-3J14	193.1	167.8	165.4	19,780		Extrap.
	216-3K14	193.1	167.8	165.4	19,880		Extrap.
	216-3L14	193.1	167.8	165.4	19,940		Extrap.
	216-3M14	193.1	167.8	165.4	19,980		Extrap.
	216-4H14	193.1	167.8	177.4	20,400		Extrap.
	216-4I14	193.1	167.8	177.4	20,460		Extrap.
	216-4J14	193.1	167.8	177.4	20,600		Extrap.
	216-4K14	193.1	167.8	177.4	20,700		Extrap.
	216-4L14	193.1	167.8	177.4	20,760		Extrap.
	216-4M14	193.1	167.8	177.4	20,800		Extrap.

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SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	217-2G11	208.1	125.5	147.4	15,660		Extrap.
	217-2H11	208.1	125.5	147.4	15,740		Extrap.
	217-2I11	208.1	125.5	147.4	15,800		Extrap.
	217-2J11	208.1	125.5	147.4	15,940		Extrap.
	217-3G11	208.1	125.5	159.4	16,300		Extrap.
	217-3H11	208.1	125.5	159.4	16,380		Extrap.
	217-3I11	208.1	125.5	159.4	16,440		Extrap.
	217-3J11	208.1	125.5	159.4	16,580		Extrap.
	217-3K11	208.1	125.5	159.4	16,680		Extrap.
	217-4G11	208.1	125.5	171.4	17,000		Extrap.
	217-4H11	208.1	125.5	171.4	17,080		Extrap.
	217-4I11	208.1	125.5	171.4	17,140		Extrap.
	217-4J11	208.1	125.5	171.4	17,280		Extrap.
	217-4K11	208.1	125.5	171.4	17,380		Extrap.
	217-4L11	208.1	125.5	171.4	17,440		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	217-2H12	208.1	143.8	147.4	17,880		Extrap.
	217-2I12	208.1	143.8	147.4	17,940		Extrap.
	217-2J12	208.1	143.8	147.4	18,100		Extrap.
	217-2K12	208.1	143.8	147.4	18,180		Extrap.
	217-3H12	208.1	143.8	159.4	18,600		Extrap.
	217-3I12	208.1	143.8	159.4	18,660		Extrap.
	217-3J12	208.1	143.8	159.4	18,820		Extrap.
	217-3K12	208.1	143.8	159.4	18,900		Extrap.
	217-3L12	208.1	143.8	159.4	18,940		Extrap.
	217-4H12	208.1	143.8	171.4	19,380		Extrap.
	217-4I12	208.1	143.8	171.4	19,440		Extrap.
	217-4J12	208.1	143.8	171.4	19,600		Extrap.
	217-4K12	208.1	143.8	171.4	19,680		Extrap.
	217-4L12	208.1	143.8	171.4	19,720		Extrap.
	217-4M12	208.1	143.8	171.4	19,760		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	217-2H14	208.1	167.8	153.4	20,100		Extrap.
	217-2I14	208.1	167.8	153.4	20,160		Extrap.
	217-2J14	208.1	167.8	153.4	20,320		Extrap.
	217-2K14	208.1	167.8	153.4	20,400		Extrap.
	217-2L14	208.1	167.8	153.4	20,440		Extrap.
	217-3H14	208.1	167.8	165.4	20,920		Extrap.
	217-3I14	208.1	167.8	165.4	20,980		Extrap.
	217-3J14	208.1	167.8	165.4	21,140		Extrap.
	217-3K14	208.1	167.8	165.4	21,220		Extrap.
	217-3L14	208.1	167.8	165.4	21,260		Extrap.
	217-3M14	208.1	167.8	165.4	21,300		Extrap.
	217-4H14	208.1	167.8	177.4	21,820		Extrap.
	217-4I14	208.1	167.8	177.4	21,880		Extrap.
	217-4J14	208.1	167.8	177.4	22,040		Extrap.
	217-4K14	208.1	167.8	177.4	22,120		Extrap.
	217-4L14	208.1	167.8	177.4	22,160		Extrap.
	217-4M14	208.1	167.8	177.4	22,200		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	220-2I12	240.6	143.8	173.3	23,980		Interp.
	220-2J12	240.6	143.8	173.3	24,120		Interp.
	220-2K12	240.6	143.8	173.3	24,220		Interp.
	220-2L12	240.6	143.8	173.3	24,320		Interp.
	220-2M12	240.6	143.8	173.3	24,520		Interp.
	220-3I12	240.6	143.8	185.3	24,940		Interp.
	220-3J12	240.6	143.8	185.3	25,080		Interp.
	220-3K12	240.6	143.8	185.3	25,180		Interp.
	220-3L12	240.6	143.8	185.3	25,280		Interp.
	220-3M12	240.6	143.8	185.3	25,480		Interp.
	220-4I12	240.6	143.8	197.3	25,780		Interp.
	220-4J12	240.6	143.8	197.3	25,920		Interp.
	220-4K12	240.6	143.8	197.3	26,020		Interp.
	220-4L12	240.6	143.8	197.3	26,120		Interp.
	220-4M12	240.6	143.8	197.3	26,320		Interp.
	220-4N12	240.6	143.8	197.3	26,820		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:

Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:

Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

Mounting Configuration:

Base mounted - rigid & isolated

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2016	Seismic Certification Limits:	$S_{DS} = 1.93$	$z/h = 1.0$	$I_p = 1.5$
		$S_{DS} = 1.93$	$z/h = 0.0$	

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	220-2I18	240.6	216.0	185.3	34,630		Interp.
	220-2J18	240.6	216.0	185.3	34,770		Interp.
	220-2K18	240.6	216.0	185.3	34,870		Interp.
	220-2L18	240.6	216.0	185.3	34,970		Interp.
	220-2M18	240.6	216.0	185.3	35,170		Interp.
	220-3I18	240.6	216.0	197.3	36,010		Interp.
	220-3J18	240.6	216.0	197.3	36,150		Interp.
	220-3K18	240.6	216.0	197.3	36,250		Interp.
	220-3L18	240.6	216.0	197.3	36,350		Interp.
	220-3M18	240.6	216.0	197.3	36,550		Interp.
	220-3N18	240.6	216.0	197.3	37,050		Interp.
	220-4I18	240.6	216.0	209.3	37,270		Interp.
	220-4J18	240.6	216.0	209.3	37,410		Interp.
	220-4K18	240.6	216.0	209.3	37,510		Interp.
	220-4L18	240.6	216.0	209.3	37,610		Interp.
	220-4M18	240.6	216.0	209.3	37,810		Interp.
	220-4N18	240.6	216.0	209.3	38,310		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	224-2J18	289.1	216.0	198.3	40,700		Interp.
	224-2K18	289.1	216.0	198.3	40,820		Interp.
	224-2L18	289.1	216.0	198.3	40,920		Interp.
	224-2M18	289.1	216.0	198.3	41,140		Interp.
	224-2N18	289.1	216.0	198.3	41,660		Interp.
	224-3J18	289.1	216.0	210.3	42,260		Interp.
	224-3K18	289.1	216.0	210.3	42,380		Interp.
	224-3L18	289.1	216.0	210.3	42,480		Interp.
	224-3M18	289.1	216.0	210.3	42,700		Interp.
	224-3N18	289.1	216.0	210.3	43,220		Interp.
	224-3O18	289.1	216.0	210.3	43,340		Interp.
	224-4J18	289.1	216.0	222.3	43,740		Interp.
	224-4K18	289.1	216.0	222.3	43,860		Interp.
	224-4L18	289.1	216.0	222.3	43,960		Interp.
	224-4M18	289.1	216.0	222.3	44,180		Interp.
	224-4N18	289.1	216.0	222.3	44,700		Interp.
	224-4O18	289.1	216.0	222.3	44,820		Interp.
	224-4P18	289.1	216.0	222.3	45,040		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (2) Cell	224-2K20	289.1	240.0	198.3	44,450		Interp.
	224-2L20	289.1	240.0	198.3	44,550		Interp.
	224-2M20	289.1	240.0	198.3	44,770		Interp.
	224-2N20	289.1	240.0	198.3	45,290		Interp.
	224-2O20	289.1	240.0	198.3	45,410		Interp.
	224-3K20	289.1	240.0	210.3	45,910		Interp.
	224-3L20	289.1	240.0	210.3	46,010		Interp.
	224-3M20	289.1	240.0	210.3	46,230		Interp.
	224-3N20	289.1	240.0	210.3	46,750		Interp.
	224-3O20	289.1	240.0	210.3	46,870		Interp.
	224-4K20	289.1	240.0	222.3	47,710		Interp.
	224-4L20	289.1	240.0	222.3	47,810		Interp.
	224-4M20	289.1	240.0	222.3	48,030		Interp.
	224-4N20	289.1	240.0	222.3	48,550		Interp.
	224-4O20	289.1	240.0	222.3	48,670		Interp.
	224-4P20	289.1	240.0	222.3	48,890		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer:	Evapco	TABLE 2.1
Model Line:	AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	38-2H36	94.0	436.3	150.8	25,140		Interp.
	38-2I36	94.0	436.3	150.8	25,230		Interp.
	38-2J36	94.0	436.3	150.8	25,440		Interp.
	38-2K36	94.0	436.3	150.8	25,590		Interp.
	38-3H36	94.0	436.3	162.8	26,130		Interp.
	38-3I36	94.0	436.3	162.8	26,220		Interp.
	38-3J36	94.0	436.3	162.8	26,430		Interp.
	38-3K36	94.0	436.3	162.8	26,580		Interp.
	38-3L36	94.0	436.3	162.8	26,670		Interp.
	38-4H36	94.0	436.3	174.8	27,210		Interp.
	38-4I36	94.0	436.3	174.8	27,300		Interp.
	38-4J36	94.0	436.3	174.8	27,510		Interp.
	38-4K36	94.0	436.3	174.8	27,660		Interp.
	38-4L36	94.0	436.3	174.8	27,750		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	38-2H42	94.0	508.3	150.8	28,290		Interp.
	38-2I42	94.0	508.3	150.8	28,380		Interp.
	38-2J42	94.0	508.3	150.8	28,590		Interp.
	38-2K42	94.0	508.3	150.8	28,740		Interp.
	38-2L42	94.0	508.3	150.8	28,830		Interp.
	38-3H42	94.0	508.3	162.8	29,430		Interp.
	38-3I42	94.0	508.3	162.8	29,520		Interp.
	38-3J42	94.0	508.3	162.8	29,730		Interp.
	38-3K42	94.0	508.3	162.8	29,880		Interp.
	38-3L42	94.0	508.3	162.8	29,970		Interp.
	38-3M42	94.0	508.3	162.8	30,030		Interp.
	38-4H42	94.0	508.3	174.8	30,660		Interp.
	38-4I42	94.0	508.3	174.8	30,750		Interp.
	38-4J42	94.0	508.3	174.8	30,960		Interp.
	38-4K42	94.0	508.3	174.8	31,110		Interp.
	38-4L42	94.0	508.3	174.8	31,200		Interp.
	38-4M42	94.0	508.3	174.8	31,260		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	39-2H36	101.5	436.3	150.8	26,880		Extrap.
	39-2I36	101.5	436.3	150.8	26,970		Extrap.
	39-2J36	101.5	436.3	150.8	27,210		Extrap.
	39-2K36	101.5	436.3	150.8	27,330		Extrap.
	39-3H36	101.5	436.3	162.8	27,960		Extrap.
	39-3I36	101.5	436.3	162.8	28,050		Extrap.
	39-3J36	101.5	436.3	162.8	28,290		Extrap.
	39-3K36	101.5	436.3	162.8	28,410		Extrap.
	39-3L36	101.5	436.3	162.8	28,470		Extrap.
	39-4H36	101.5	436.3	174.8	29,130		Extrap.
	39-4I36	101.5	436.3	174.8	29,220		Extrap.
	39-4J36	101.5	436.3	174.8	29,460		Extrap.
	39-4K36	101.5	436.3	174.8	29,580		Extrap.
	39-4L36	101.5	436.3	174.8	29,640		Extrap.
	39-4M36	101.5	436.3	174.8	29,700		Extrap.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	39-2H42	101.5	508.3	150.8	30,210		Extrap.
	39-2I42	101.5	508.3	150.8	30,300		Extrap.
	39-2J42	101.5	508.3	150.8	30,540		Extrap.
	39-2K42	101.5	508.3	150.8	30,660		Extrap.
	39-2L42	101.5	508.3	150.8	30,720		Extrap.
	39-3H42	101.5	508.3	162.8	31,440		Extrap.
	39-3I42	101.5	508.3	162.8	31,530		Extrap.
	39-3J42	101.5	508.3	162.8	31,770		Extrap.
	39-3K42	101.5	508.3	162.8	31,890		Extrap.
	39-3L42	101.5	508.3	162.8	31,950		Extrap.
	39-3M42	101.5	508.3	162.8	32,010		Extrap.
	39-4H42	101.5	508.3	174.8	32,790		Extrap.
	39-4I42	101.5	508.3	174.8	32,880		Extrap.
	39-4J42	101.5	508.3	174.8	33,120		Extrap.
	39-4K42	101.5	508.3	174.8	33,240		Extrap.
	39-4L42	101.5	508.3	174.8	33,300		Interp.
	39-4M42	101.5	508.3	174.8	33,360		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	310-2I36	117.8	436.3	185.3	36,000		Interp.
	310-2J36	117.8	436.3	185.3	36,210		Interp.
	310-2K36	117.8	436.3	185.3	36,360		Interp.
	310-2L36	117.8	436.3	185.3	36,510		Interp.
	310-2M36	117.8	436.3	185.3	36,810		Interp.
	310-3I36	117.8	436.3	197.3	37,440		Interp.
	310-3J36	117.8	436.3	197.3	37,650		Interp.
	310-3K36	117.8	436.3	197.3	37,800		Interp.
	310-3L36	117.8	436.3	197.3	37,950		Interp.
	310-3M36	117.8	436.3	197.3	38,250		Interp.
	310-4I36	117.8	436.3	209.3	38,700		Interp.
	310-4J36	117.8	436.3	209.3	38,910		Interp.
	310-4K36	117.8	436.3	209.3	39,060		Interp.
	310-4L36	117.8	436.3	209.3	39,210		Interp.
	310-4M36	117.8	436.3	209.3	39,510		Interp.
	310-4N36	117.8	436.3	209.3	40,260		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	310-2I54	117.8	653.0	185.3	52,130		Interp.
	310-2J54	117.8	653.0	185.3	52,340		Interp.
	310-2K54	117.8	653.0	185.3	52,490		Interp.
	310-2L54	117.8	653.0	185.3	52,640		Interp.
	310-2M54	117.8	653.0	185.3	52,940		Interp.
	310-3I54	117.8	653.0	197.3	54,200		Interp.
	310-3J54	117.8	653.0	197.3	54,410		Interp.
	310-3K54	117.8	653.0	197.3	54,560		Interp.
	310-3L54	117.8	653.0	197.3	54,710		Interp.
	310-3M54	117.8	653.0	197.3	55,010		Interp.
	310-3N54	117.8	653.0	197.3	55,760		Interp.
	310-4I54	117.8	653.0	209.3	56,090		Interp.
	310-4J54	117.8	653.0	209.3	56,300		Interp.
	310-4K54	117.8	653.0	209.3	56,450		Interp.
	310-4L54	117.8	653.0	209.3	56,600		Interp.
	310-4M54	117.8	653.0	209.3	56,900		Interp.
	310-4N54	117.8	653.0	209.3	57,650		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	312-2I36	142.0	436.3	186.3	41,442		Interp.
	312-2J36	142.0	436.3	186.3	41,652		Interp.
	312-2K36	142.0	436.3	186.3	41,802		Interp.
	312-2L36	142.0	436.3	186.3	41,952		Interp.
	312-2M36	142.0	436.3	186.3	42,252		Interp.
	312-3I36	142.0	436.3	198.3	43,062		Interp.
	312-3J36	142.0	436.3	198.3	43,272		Interp.
	312-3K36	142.0	436.3	198.3	43,422		Interp.
	312-3L36	142.0	436.3	198.3	43,572		Interp.
	312-3M36	142.0	436.3	198.3	43,872		Interp.
	312-4I36	142.0	436.3	210.3	44,532		Interp.
	312-4J36	142.0	436.3	210.3	44,742		Interp.
	312-4K36	142.0	436.3	210.3	44,892		Interp.
	312-4L36	142.0	436.3	210.3	45,042		Interp.
	312-4M36	142.0	436.3	210.3	45,342		Interp.
	312-4N36	142.0	436.3	210.3	46,092		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	312-2I42	142.0	508.3	198.3	47,550		Interp.
	312-2J42	142.0	508.3	198.3	47,760		Interp.
	312-2K42	142.0	508.3	198.3	47,940		Interp.
	312-2L42	142.0	508.3	198.3	48,120		Interp.
	312-2M42	142.0	508.3	198.3	48,330		Interp.
	312-3I42	142.0	508.3	210.3	49,530		Interp.
	312-3J42	142.0	508.3	210.3	49,740		Interp.
	312-3K42	142.0	508.3	210.3	49,920		Interp.
	312-3L42	142.0	508.3	210.3	50,100		Interp.
	312-3M42	142.0	508.3	210.3	50,310		Interp.
	312-3N42	142.0	508.3	210.3	51,090		Interp.
	312-4I42	142.0	508.3	222.3	51,090		Interp.
	312-4J42	142.0	508.3	222.3	51,300		Interp.
	312-4K42	142.0	508.3	222.3	51,480		Interp.
	312-4L42	142.0	508.3	222.3	51,660		Interp.
	312-4M42	142.0	508.3	222.3	51,870		Interp.
	312-4N42	142.0	508.3	222.3	52,650		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer:	Evapco	TABLE 2.1
Model Line:	AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	312-2J54	142.0	653.0	198.3	60,432		Interp.
	312-2K54	142.0	653.0	198.3	60,612		Interp.
	312-2L54	142.0	653.0	198.3	60,762		Interp.
	312-2M54	142.0	653.0	198.3	61,092		Interp.
	312-2N54	142.0	653.0	198.3	61,872		Interp.
	312-3J54	142.0	653.0	210.3	62,772		Interp.
	312-3K54	142.0	653.0	210.3	62,952		Interp.
	312-3L54	142.0	653.0	210.3	63,102		Interp.
	312-3M54	142.0	653.0	210.3	63,432		Interp.
	312-3N54	142.0	653.0	210.3	64,212		Interp.
	312-3O54	142.0	653.0	210.3	64,392		Interp.
	312-4J54	142.0	653.0	222.3	64,992		Interp.
	312-4K54	142.0	653.0	222.3	65,172		Interp.
	312-4L54	142.0	653.0	222.3	65,322		Interp.
	312-4M54	142.0	653.0	222.3	65,652		Interp.
	312-4N54	142.0	653.0	222.3	66,432		Interp.
	312-4O54	142.0	653.0	222.3	66,612		Interp.
	312-4P54	142.0	653.0	222.3	66,942		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (3) Cell	312-2K60	142.0	725.0	198.3	66,072		Interp.
	312-2L60	142.0	725.0	198.3	66,222		Interp.
	312-2M60	142.0	725.0	198.3	66,552		Interp.
	312-2N60	142.0	725.0	198.3	67,332		Interp.
	312-2O60	142.0	725.0	198.3	67,512		Interp.
	312-3K60	142.0	725.0	210.3	68,262		Interp.
	312-3L60	142.0	725.0	210.3	68,412		Interp.
	312-3M60	142.0	725.0	210.3	68,742		Interp.
	312-3N60	142.0	725.0	210.3	69,522		Interp.
	312-3O60	142.0	725.0	210.3	69,702		Interp.
	312-4K60	142.0	725.0	222.3	70,962		Interp.
	312-4L60	142.0	725.0	222.3	71,112		Interp.
	312-4M60	142.0	725.0	222.3	71,442		Interp.
	312-4N60	142.0	725.0	222.3	72,222		Interp.
	312-4O60	142.0	725.0	222.3	72,402		Interp.
	312-4P60	142.0	725.0	222.3	72,732		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (4) Cell	420-2I24	240.6	289.8	197.3	47,640		Interp.
	420-2J24	240.6	289.8	197.3	47,920		Interp.
	420-2K24	240.6	289.8	197.3	48,120		Interp.
	420-2L24	240.6	289.8	197.3	48,320		Interp.
	420-2M24	240.6	289.8	197.3	48,720		Interp.
	420-3I24	240.6	289.8	209.3	49,560		Interp.
	420-3J24	240.6	289.8	209.3	49,840		Interp.
	420-3K24	240.6	289.8	209.3	50,040		Interp.
	420-3L24	240.6	289.8	209.3	50,240		Interp.
	420-3M24	240.6	289.8	209.3	50,640		Interp.
	420-4I24	240.6	289.8	221.3	51,240		Interp.
	420-4J24	240.6	289.8	221.3	51,520		Interp.
	420-4K24	240.6	289.8	221.3	51,720		Interp.
	420-4L24	240.6	289.8	221.3	51,920		Interp.
	420-4M24	240.6	289.8	221.3	52,320		Interp.
	420-4N24	240.6	289.8	221.3	53,320		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (4) Cell	420-2I36	240.6	434.5	197.3	69,260		Interp.
	420-2J36	240.6	434.5	197.3	69,540		Interp.
	420-2K36	240.6	434.5	197.3	69,740		Interp.
	420-2L36	240.6	434.5	197.3	69,940		Interp.
	420-2M36	240.6	434.5	197.3	70,340		Interp.
	420-3I36	240.6	434.5	209.3	72,020		Interp.
	420-3J36	240.6	434.5	209.3	72,300		Interp.
	420-3K36	240.6	434.5	209.3	72,500		Interp.
	420-3L36	240.6	434.5	209.3	72,700		Interp.
	420-3M36	240.6	434.5	209.3	73,100		Interp.
	420-3N36	240.6	434.5	209.3	74,100		Interp.
	420-4I36	240.6	434.5	221.3	74,540		Interp.
	420-4J36	240.6	434.5	221.3	74,820		Interp.
	420-4K36	240.6	434.5	221.3	75,020		Interp.
	420-4L36	240.6	434.5	221.3	75,220		Interp.
	420-4M36	240.6	434.5	221.3	75,620		Interp.
	420-4N36	240.6	434.5	221.3	76,620		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (4) Cell	424-2I24	289.1	289.8	198.3	55,880		Interp.
	424-2J24	289.1	289.8	198.3	56,440		Interp.
	424-2K24	289.1	289.8	198.3	56,640		Interp.
	424-2L24	289.1	289.8	198.3	56,840		Interp.
	424-2M24	289.1	289.8	198.3	57,240		Interp.
	424-3I24	289.1	289.8	210.3	58,040		Interp.
	424-3J24	289.1	289.8	210.3	58,600		Interp.
	424-3K24	289.1	289.8	210.3	58,800		Interp.
	424-3L24	289.1	289.8	210.3	59,000		Interp.
	424-3M24	289.1	289.8	210.3	59,400		Interp.
	424-4I24	289.1	289.8	222.3	60,000		Interp.
	424-4J24	289.1	289.8	222.3	60,560		Interp.
	424-4K24	289.1	289.8	222.3	60,760		Interp.
	424-4L24	289.1	289.8	222.3	60,960		Interp.
	424-4M24	289.1	289.8	222.3	61,360		Interp.
	424-4N24	289.1	289.8	222.3	62,360		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (4) Cell	424-2I28	289.1	337.8	198.3	63,720		Interp.
	424-2J28	289.1	337.8	198.3	64,280		Interp.
	424-2K28	289.1	337.8	198.3	64,520		Interp.
	424-2L28	289.1	337.8	198.3	64,760		Interp.
	424-2M28	289.1	337.8	198.3	65,040		Interp.
	424-3I28	289.1	337.8	210.3	66,360		Interp.
	424-3J28	289.1	337.8	210.3	66,920		Interp.
	424-3K28	289.1	337.8	210.3	67,160		Interp.
	424-3L28	289.1	337.8	210.3	67,400		Interp.
	424-3M28	289.1	337.8	210.3	67,680		Interp.
	424-3N28	289.1	337.8	210.3	68,720		Interp.
	424-4I28	289.1	337.8	222.3	68,440		Interp.
	424-4J28	289.1	337.8	222.3	69,000		Interp.
	424-4K28	289.1	337.8	222.3	69,240		Interp.
	424-4L28	289.1	337.8	222.3	69,480		Interp.
	424-4M28	289.1	337.8	222.3	69,760		Interp.
	424-4N28	289.1	337.8	222.3	70,800		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer:	Evapco	TABLE 2.1
Model Line:	AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (4) Cell	424-2J36	289.1	434.3	198.3	81,120		Interp.
	424-2K36	289.1	434.3	198.3	81,360		Interp.
	424-2L36	289.1	434.3	198.3	81,560		Interp.
	424-2M36	289.1	434.3	198.3	82,000		Interp.
	424-2N36	289.1	434.3	198.3	83,040		Interp.
	424-3J36	289.1	434.3	210.3	84,240		Interp.
	424-3K36	289.1	434.3	210.3	84,480		Interp.
	424-3L36	289.1	434.3	210.3	84,680		Interp.
	424-3M36	289.1	434.3	210.3	85,120		Interp.
	424-3N36	289.1	434.3	210.3	86,160		Interp.
	424-3O36	289.1	434.3	210.3	86,400		Interp.
	424-4J36	289.1	434.3	222.3	87,200		Interp.
	424-4K36	289.1	434.3	222.3	87,440		Interp.
	424-4L36	289.1	434.3	222.3	87,640		Interp.
	424-4M36	289.1	434.3	222.3	88,080		Interp.
	424-4N36	289.1	434.3	222.3	89,120		Interp.
	424-4O36	289.1	434.3	222.3	89,360		Interp.
	424-4P36	289.1	434.3	222.3	89,800		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco	TABLE 2.1
Model Line: AT with UPGRADED CONSTRUCTION	

Certified Product Construction Summary:
Carbon or stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral or remote sump. Inlet: Top, Side, End, Bottom. Outlet: Side, End, Bottom. Equalizer: Side, Bottom, End. Bypass: Side, Bottom, End
Motor HP designator: F=3, G=5, H=7.5, I=10, J=15, K=20, L=25, M=30, N=40, O=50, P=60

Certified Options Summary:
Access: Ext. service platform, Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder, Safety cage; Safety gates; **Fan :** Belt or Gear Drive; Cylinder extension $\leq 36"$; Vel. recovery stack; SS gear and motor mount; SS fan shaft; SS fan guard; Fan access door; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screen; SS Trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping, Carbon, SS or PVC internal pipe; Louver access door

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

Building Code: CBC 2016 **Seismic Certification Limits:** $S_{DS} = 1.93$ $z/h=1.0$ $I_p = 1.5$
 $S_{DS} = 1.93$ $z/h=0.0$

Model Line	Model	Dimensions (in)			Weight (lb)	Notes	UUT
		Depth	Width	Height			
AT/UT/USS (4) Cell	424-2K40	289.1	482.3	198.3	88,620		Interp.
	424-2L40	289.1	482.3	198.3	88,820		Interp.
	424-2M40	289.1	482.3	198.3	89,260		Interp.
	424-2N40	289.1	482.3	198.3	90,300		Interp.
	424-2O40	289.1	482.3	198.3	90,540		Interp.
	424-3K40	289.1	482.3	210.3	91,540		Interp.
	424-3L40	289.1	482.3	210.3	91,740		Interp.
	424-3M40	289.1	482.3	210.3	92,180		Interp.
	424-3N40	289.1	482.3	210.3	93,220		Interp.
	424-3O40	289.1	482.3	210.3	93,460		Interp.
	424-4K40	289.1	482.3	222.3	95,140		Interp.
	424-4L40	289.1	482.3	222.3	95,340		Interp.
	424-4M40	289.1	482.3	222.3	95,780		Interp.
	424-4N40	289.1	482.3	222.3	96,820		Interp.
	424-4O40	289.1	482.3	222.3	97,060		Interp.
	424-4P40	289.1	482.3	222.3	97,500		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

TRU PROJECT NO. 1700689



Manufacturer: Evapco		Table Description: Fans & Motors			TABLE 2.2
Model Line: AT with UPGRADED CONSTRUCTION					
Building Code: CBC 2016		Seismic Certification Limits:		$S_{DS} = 1.93 \quad z/h = 1.0$ $S_{DS} = 1.93 \quad z/h = 0.0$	$I_p = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT
Fan	Cofimco	63D-4B-A-70	Alum., 63"-Dia., 4-Bld., App. 70lbs		Extrap.
		63D-5B-A-80	Alum., 63"-Dia., 5-Bld., App. 80lbs		Extrap.
		63D-6B-A-95	Alum., 63"-Dia., 6-Bld., App. 95lbs		Extrap.
		74D-4B-A-115	Alum., 74"-Dia., 4-Bld., App. 115lbs		Extrap.
		74D-5B-A-130	Alum., 74"-Dia., 5-Bld., App. 130lbs		Extrap.
		74D-6B-A-145	Alum., 74"-Dia., 6-Bld., App. 145lbs		Extrap.
		80D-4B-A-115	Alum., 80"-Dia., 4-Bld., App. 115lbs		Extrap.
		80D-5B-A-135	Alum., 80"-Dia., 5-Bld., App. 135lbs		Extrap.
		80D-6B-A-150	Alum., 80"-Dia., 6-Bld., App. 150lbs		Extrap.
		84D-4B-A-115	Alum., 84"-Dia., 4-Bld., App. 115lbs		Extrap.
		84D-5B-A-135	Alum., 84"-Dia., 5-Bld., App. 135lbs		Extrap.
		84D-6B-A-150	Alum., 84"-Dia., 6-Bld., App. 150lbs		Extrap.
		92D-4B-A-125	Alum., 92"-Dia., 4-Bld., App. 125lbs		Extrap.
		92D-5B-A-125	Alum., 92"-Dia., 5-Bld., App. 125lbs		Extrap.
		92D-5B-A-145	Alum., 92"-Dia., 5-Bld., App. 145lbs		1
		92D-6B-A-160	Alum., 92"-Dia., 6-Bld., App. 160lbs	Limited to S_{DS} =1.46g	Interp.
		108D-5B-A-150	Alum., 108"-Dia., 5-Bld., App. 150lbs		Interp.
		108D-6B-A-170	Alum., 108"-Dia., 6-Bld., App. 170lbs		Interp.
		108D-8B-A-210	Alum., 108"-Dia., 8-Bld., App. 210lbs		Interp.
		120D-5B-A-155	Alum., 120"-Dia., 5-Bld., App. 155lbs		Interp.
		120D-6B-A-180	Alum., 120"-Dia., 6-Bld., App. 180lbs		Interp.
		120D-7B-A-200	Alum., 120"-Dia., 7-Bld., App. 200lbs		Interp.
		120D-8B-A-225	Alum., 120"-Dia., 8-Bld., App. 225lbs		Interp.

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

TRU PROJECT NO. 1700689

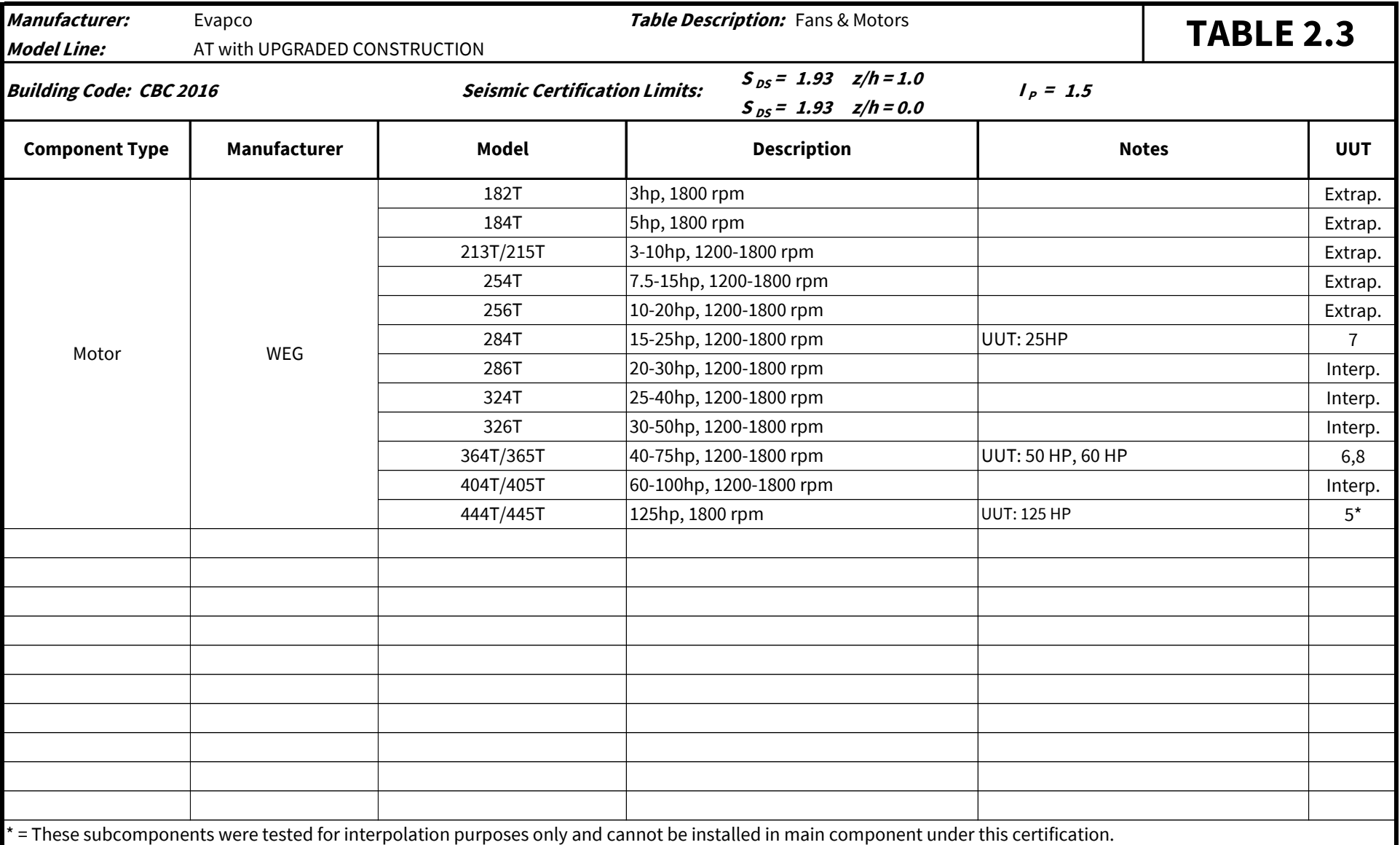


Manufacturer: Evapco		Table Description: Fans & Motors			TABLE 2.2
Model Line: AT with UPGRADED CONSTRUCTION					
Building Code: CBC 2016		Seismic Certification Limits: $S_{DS} = 1.93$ $z/h = 1.0$ $S_{DS} = 1.93$ $z/h = 0.0$			$I_P = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT
Fan	Cofimco	132D-5B-A-165	Alum., 132"-Dia., 5-Bld., App. 165lbs	Limited to S_{DS} =1.46g	7
		132D-6B-A-190	Alum., 132"-Dia., 6-Bld., App. 190lbs		Interp.
		132D-6B-A-340	Alum., 132"-Dia., 6-Bld., App. 340lbs		Interp.
		132D-7B-A-210	Alum., 132"-Dia., 7-Bld., App. 210lbs		Interp.
		132D-7B-A-380	Alum., 132"-Dia., 7-Bld., App. 380lbs		Interp.
		132D-8B-A-415	Alum., 132"-Dia., 8-Bld., App. 415lbs		Interp.
		156D-8B-A-460	Alum., 156"-Dia., 8-Bld., App. 460lbs	6*	
Fan	Fan TR	63D-3B-F-125	FRP., 63"-Dia., 3-Bld., App. 125lbs		Interp.
		74D-3B-F-160	FRP., 74"-Dia., 3-Bld., App. 160lbs		Interp.
		92D-3B-F-195	FRP., 92"-Dia., 3-Bld., App. 195lbs		Interp.
		84D-3B-F-200	FRP., 84"-Dia., 3-Bld., App. 200lbs		Interp.
		108D-3B-F-250	FRP., 108"-Dia., 3-Bld., App. 250lbs		Interp.
		132D-4B-F-575	FRP., 132"-Dia., 4-Bld., App. 575lbs		2,8
		132D-5B-F-720	FRP., 132"-Dia., 5-Bld., App. 720lbs		Interp.
		156D-5B-F-775	FRP., 156"-Dia., 5-Bld., App. 775lbs		5*

* = These subcomponents were tested for interpolation purposes only and cannot be installed in main component under this certification.

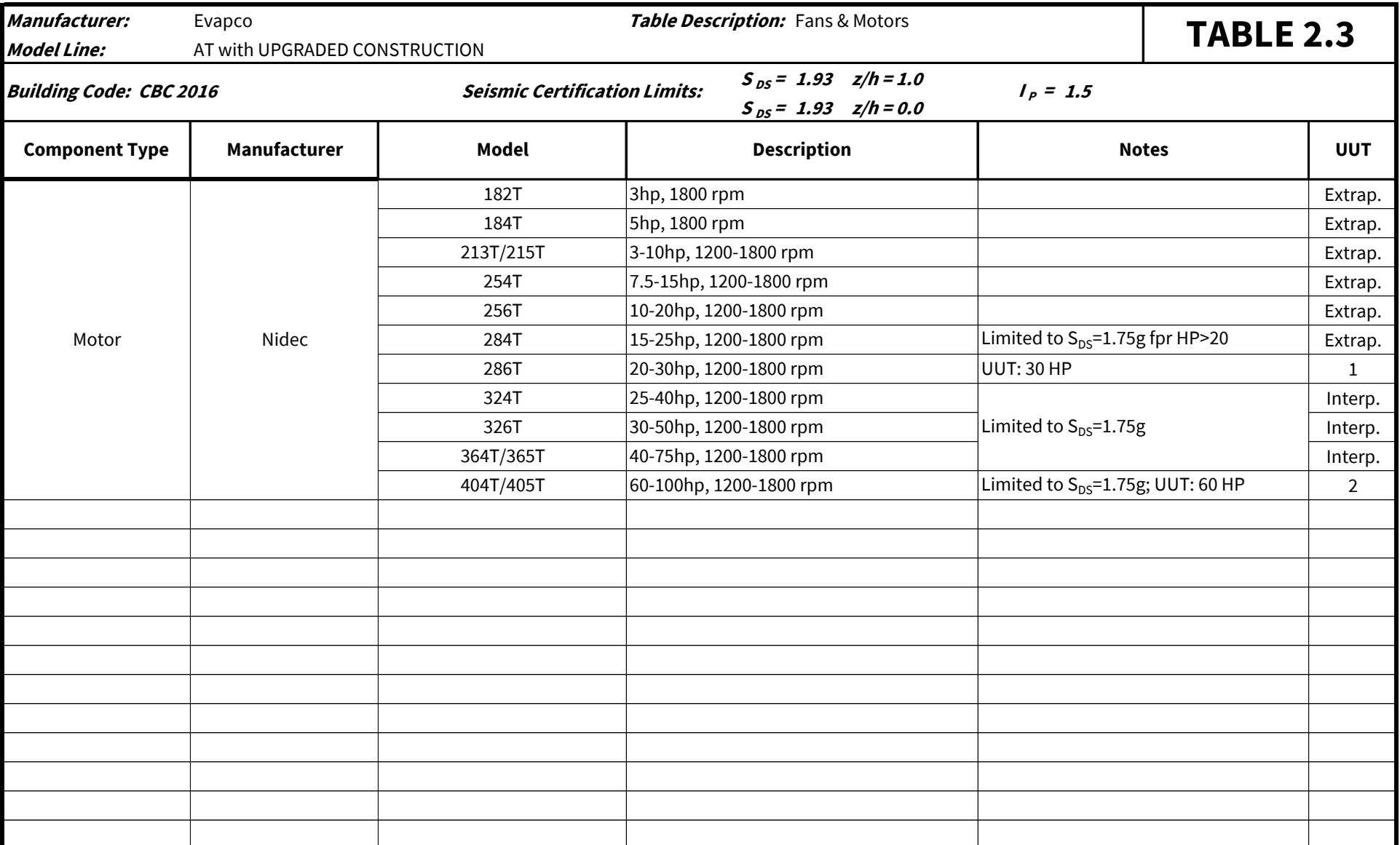
* = These subcomponents were tested for interpolation purposes only and cannot be installed in main component under this certification.

TRU PROJECT NO. 1700689

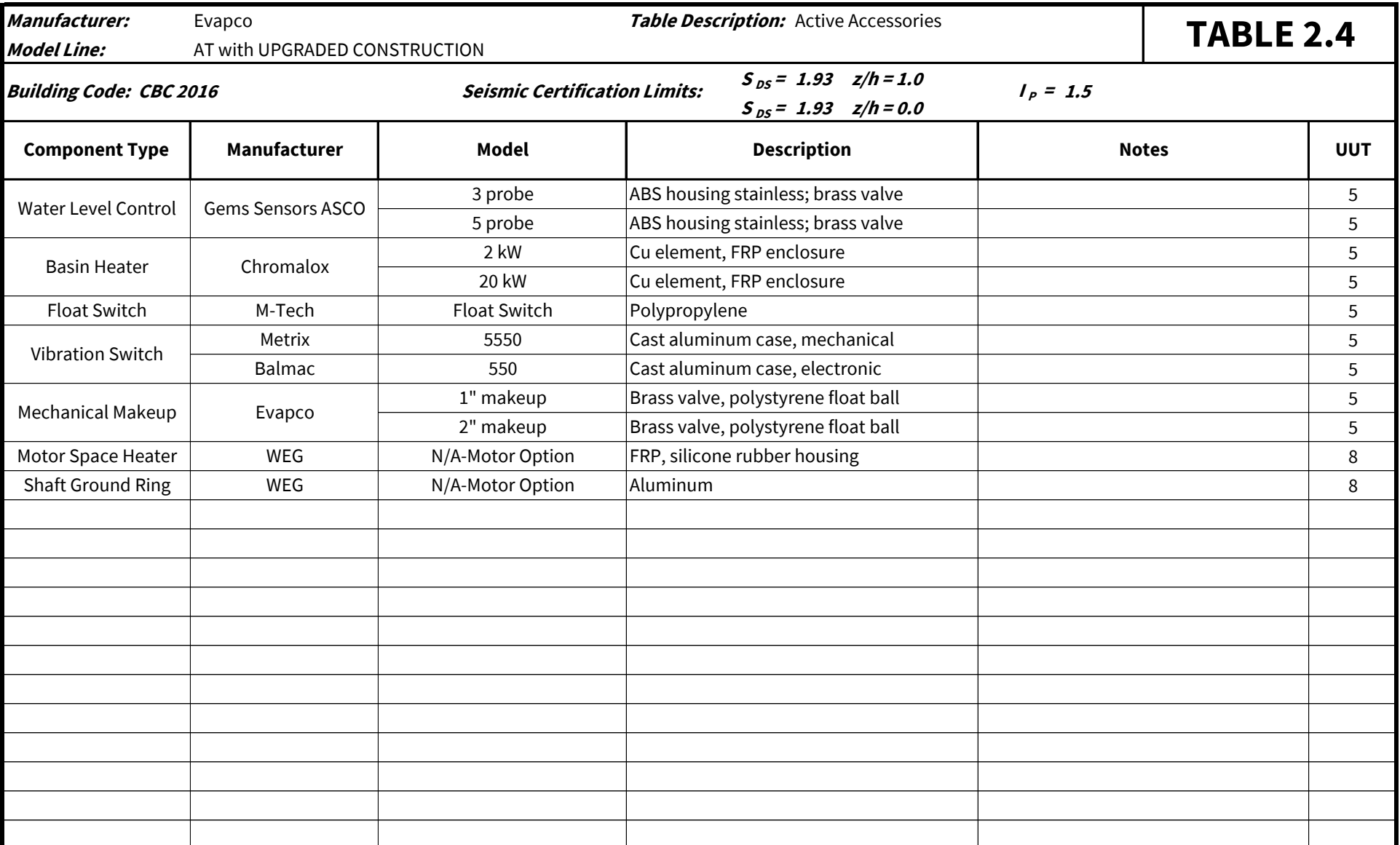


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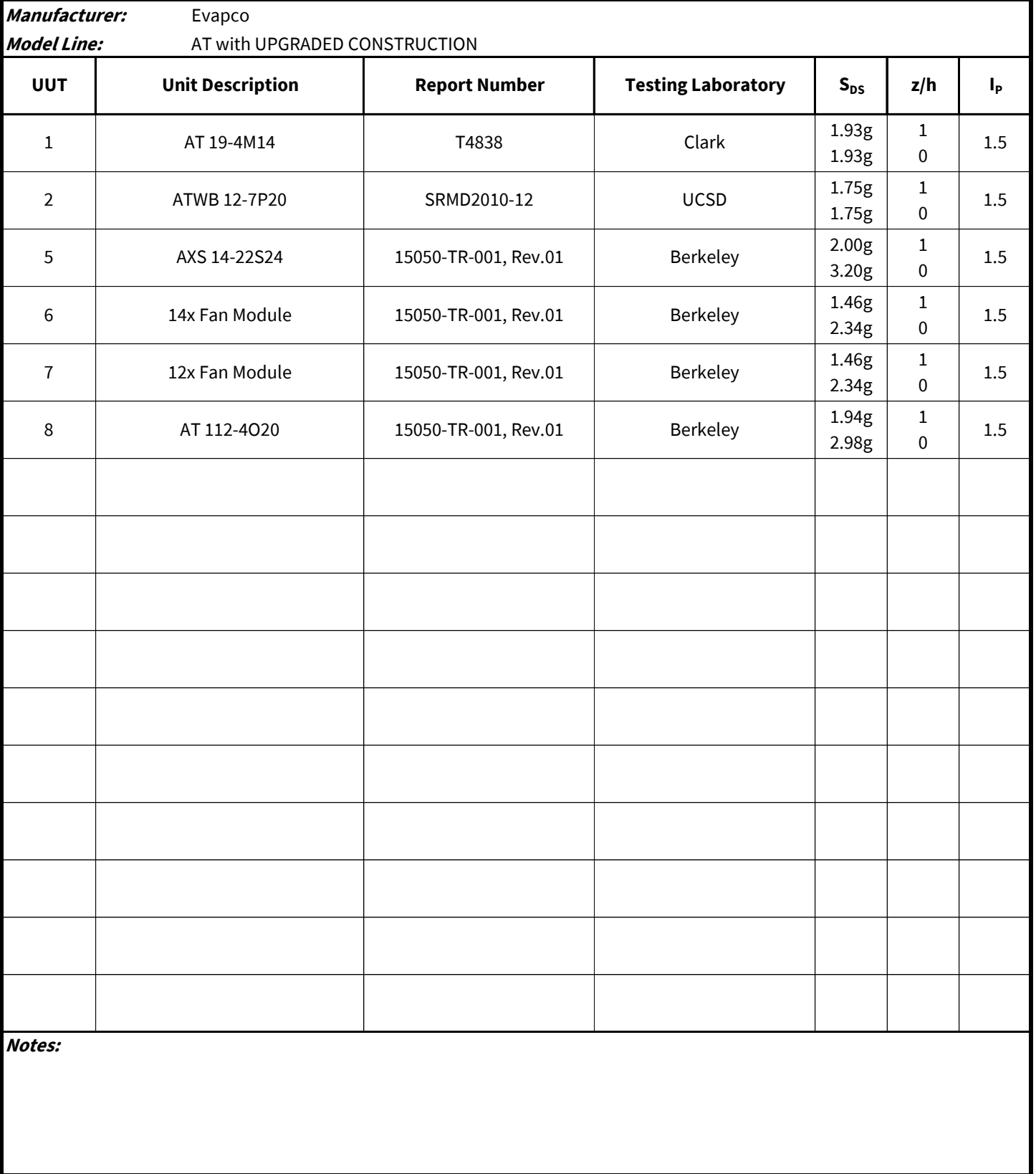
TRU PROJECT NO. 1700689



TRU PROJECT NO. 1700689



TRU PROJECT NO. 1700689



UNIT UNDER TEST (UUT) SUMMARY SHEET

TRU PROJECT NO. 1700689



Manufacturer: Evapco
Model Line: AT with Upgraded Construction
Model Number: AT 19-4M14

UUT 1A

Product Construction Summary:

Carbon steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral sump. Inlet: Side. Outlet: Side. Equalizer: Side. Bypass: Side.

Options/Subcomponent Summary:

Fan: 92D-5B-A-145; **Drive:** Belt; **Motor:** 286T 30 HP (Nidec); **Access:** None; **Non-Active Options:** None; **Active Options:** None

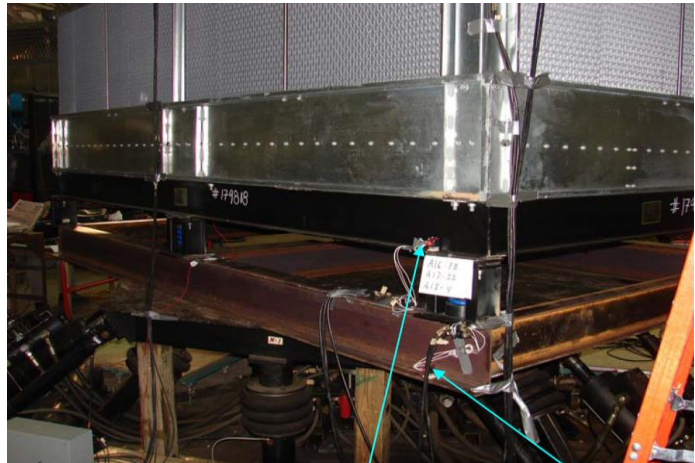
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
11,000	101.5	167.8	164.8	3.1	12.0	14.8

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	1.93g	1.0	1.5	3.09	2.32	1.29	0.51
		1.93g	0.0	1.5				

Test Mounting Details:



Unit-to-Unit Fixture: (12) 5/8" diameter ASTM Grade 5 bolts. **Unit Fixture-to-Isolators:** Welded both sides of each isolator. **Isolators:** (6) VMC AWMR-R-1-1628 at corners and middle (locked out for rigid condition); **Isolators-to-Table:** Welded two sides of each isolator. 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. 1700689



Manufacturer: Evapco
Model Line: AT with Upgraded Construction
Model Number: AT 19-4M14

UUT 1B

Product Construction Summary:

Carbon steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral sump. Inlet: Side. Outlet: Side. Equalizer: Side. Bypass: Side.

Options/Subcomponent Summary:

Fan: 92D-5B-A-145; **Drive:** Belt; **Motor:** 286T 30 HP (Nidec); **Access:** None; **Non-Active Options:** None; **Active Options:** None

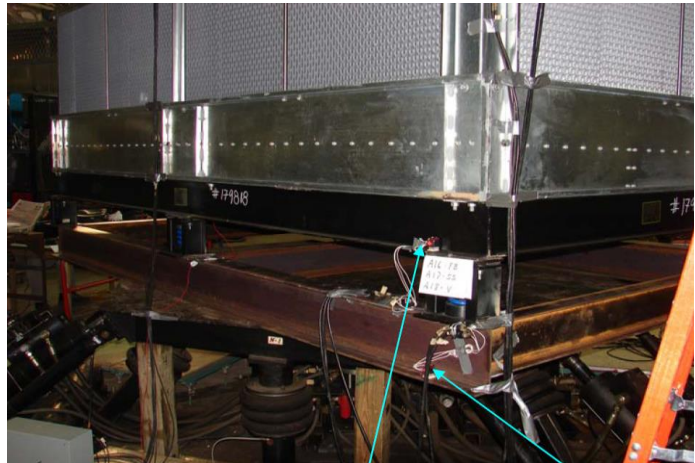
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
11,000	101.5	167.8	164.8	1.6	1.6	3.1

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	1.93g	1.0	1.5	3.09	2.32	1.29	0.51
		1.93g	0.0	1.5				

Test Mounting Details:



Unit-to-Unit Fixture: (12) 5/8" diameter ASTM Grade 5 bolts. **Unit Fixture-to-Isolators:** Welded both sides of each isolator. **Isolators:** (6) VMC AWMR-R-1-1628 at corners and middle; **Isolators-to-Table:** Welded two sides of each isolator. 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. 1700689



Manufacturer: Evapco
Model Line: AT with Upgraded Construction
Model Number: ATWB 12-7P20

UUT 2

Product Construction Summary:

Stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral sump. Inlet: End. Outlet: End. Equalizer: End. Bypass: End.

Options/Subcomponent Summary:

Fan: 132D-4B-F-575; **Drive:** Belt; **Motor:** 404T/405T 60 HP (Nidec); **Access:** None; **Non-Active Options:** None; **Active Options:** None

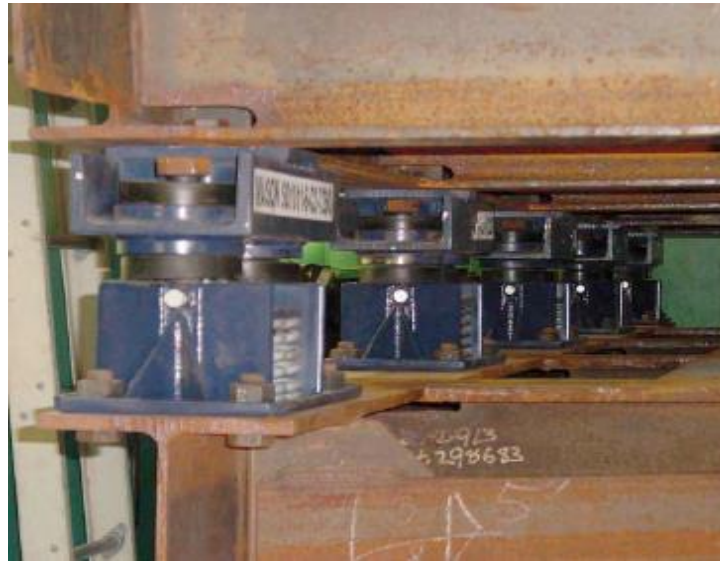
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
60,000	142	199.4	240	5.9	4.8	5.0

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	1.75g	1.0	1.5	2.8	2.1	1.17	0.47
		1.75g	0.0	1.5				

Test Mounting Details:



Unit-to-Unit Fixture: (36) 5/8" diameter ASTM A490X bolts. **Unit Fixture-to-Isolators:** (2) 3/4" diameter ASTM Grade 5 bolts per isolator (20 bolts total). **Isolators:** (10) Mason SLRSO seismic snubber isolators evenly spaced; **Isolators-to-Table:** (40) 3/4" ASTM Grade 5 bolts. Isolators were locked out during rigid base condition. 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. 1700689



Manufacturer: Evapco
Model Line: AT with Upgraded Construction
Model Number: AXS 14-22S24

UUT 5

Product Construction Summary:

Stainless steel enclosure and basin. Exterior channel cross-bracing. Interior tube cross-bracing. Upgraded seismic construction. Integral sump. Inlet: Bottom. Outlet: Bottom. Pipe: 1/2 Carbon steel, 1/2 Stainless steel. Equalizer: Bottom. Bypass: Bottom.

Options/Subcomponent Summary:

Fan: 156D-5B-F-740; 36" cylinder extension; SS gear and motor mount; SS fan shaft; SS fan guard; Mechanical vibration switch; Electronic vibration switch; **Drive:** Gear; 825 lb rating; **Motor:** 444T/445T 125 HP (WEG); Shaft grounding; **Access:** Int. drive access platform; Int. walkway; Motor davit; Perimeter handrails; Ladder; Safety cage; Safety gate; **Non-Active Options:** Flume plate & cover; Air intake screens; Cold water basin end cover; Extnd. oil fill and drain; Extnd. oil sight glass; SS remote sump trash screens; SS trash screens; Double drift eliminators; SS outlet strainer; Sump sweeper piping; **Active Options:** Water level control; Basin heater; Float switch; Mechanical makeup; Fan motor space heater

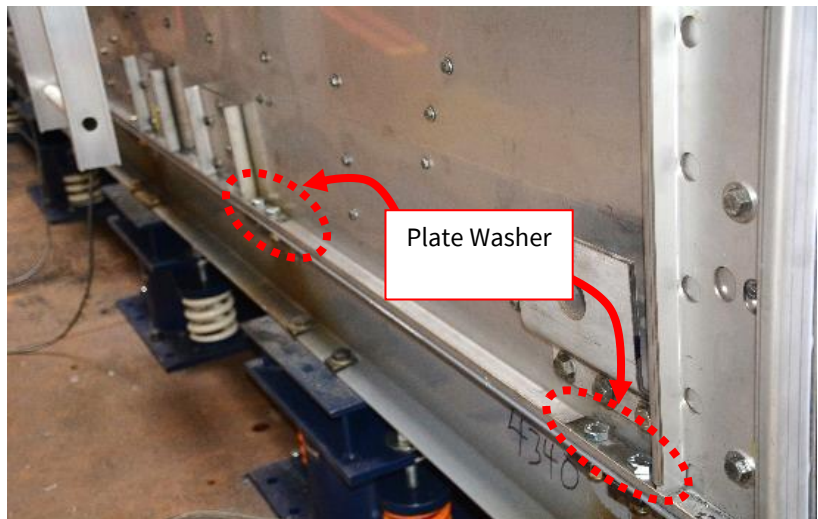
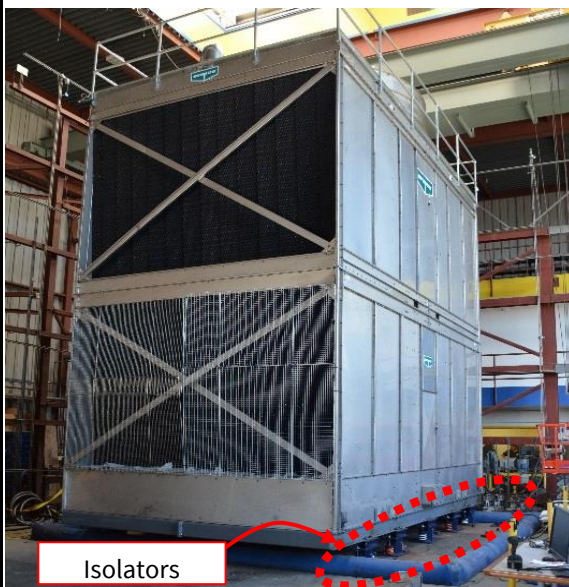
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
52,200	167	297	307	1.9	3.3	3.1

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	2.00g	1.0	1.5	3.2	2.4	2.13	0.85
		3.20g	0.0	1.5				

Test Mounting Details:



Unit-to-Unit Fixture: (24) 5/8" diameter ASTM Grade 5 bolts. **Unit Fixture-to-Isolators:** (2) 3/4" diameter ASTM Grade 5 bolts (20 total). **Isolators:** (4) Mason SLFADA-600-2-109 at corners, (6) Mason SLFADA-600-2-111 (evenly spaced-3 per side); **Isolators-to-Table:** (2) 3/4" ASTM Grade 8 bolts (20 total). 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. 1700689



Manufacturer: Evapco
Model Line: AT with Upgraded Construction
Model Number: 14X Fan Module

UUT 6

Product Construction Summary:

Carbon steel enclosure. Exterior channel cross-bracing.

Options/Subcomponent Summary:

Fan: 156D-8B-A-460; **Drive:** Gear; 500 lb rating; **Motor:** 364T/365T 60 HP (WEG)

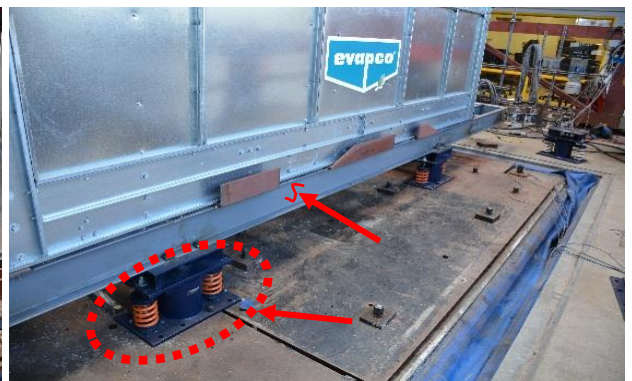
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
6,000	167	181	62	6.7	12.2	3.6

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	1.46g	1.0	1.5	2.34	1.75	1.57	0.63
		2.34g	0.0	1.5				

Test Mounting Details:



Unit-to-Unit Fixture: (36) 3/8" ASTM Grade 5 bolts. **Unit Fixture-to-Isolators:** (2) 3/4" diameter ASTM Grade 8 bolts (8 total). **Isolators:** (4) Mason SLFADA-600-2-109; **Isolators-to-Table:** (2) 3/4" ASTM Grade 8 bolts (8 total). Unit maintained structural integrity and remained functional per manufacturer requirement. Contents were included in testing per operating conditions. Seismic level shown is the equivalent seismic level at base of unit (motions applied to fan section are amplified)

UNIT UNDER TEST (UUT) SUMMARY SHEET

TRU PROJECT NO. 1700689



Manufacturer: Evapco
Model Line: AT with Upgraded Construction
Model Number: 12X Fan Module

UUT 7

Product Construction Summary:

Carbon steel enclosure. Exterior channel cross-bracing.

Options/Subcomponent Summary:

Fan: 132D-5B-A-165; Velocity Recovery Stack; **Drive:** Belt; **Motor:** 284T 25 HP (WEG)

UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
6,000	142	157	62	10.0	8.1	5.0

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	1.46g	1.0	1.5	2.34	1.75	1.57	0.63
		2.34g	0.0	1.5				

Test Mounting Details:



Unit-to-Unit Fixture: (34) 3/8" ASTM Grade 5 bolts. **Unit Fixture-to-Isolators:** (2) 3/4" diameter ASTM Grade 8 bolts (8 total). **Isolators:** (4) Mason SLFADA-600-2-109; **Isolators-to-Table:** (2) 3/4" ASTM Grade 8 bolts (8 total). Unit maintained structural integrity and remained functional per manufacturer requirement. Contents were included in testing per operating conditions. Seismic level shown is the equivalent seismic level at base of unit (motions applied to fan section are amplified)

UNIT UNDER TEST (UUT) SUMMARY SHEET

TRU PROJECT NO. 1700689



Manufacturer: Evapco
Model Line: AT with Upgraded Construction
Model Number: AT 112-4020

UUT 8

Product Construction Summary:

Stainless steel enclosure and basin. Panelized upper section with tube cross bracing lower section. Upgraded seismic construction. Integral sump. Inlet: Bottom. Outlet: Bottom, End. Pipe: PVC. Equalizer: Bottom, End. Bypass: Bottom, End.

Options/Subcomponent Summary:

Fan: 132D-4B-F-575; **Drive:** Belt; **Motor:** 364T/365T 50 HP (WEG); Shaft grounding; **Access:** Ext. service platform, Ladder; **Non-Active Options:** Fan access door; Louver access door; **Active Options:** Fan motor space heater

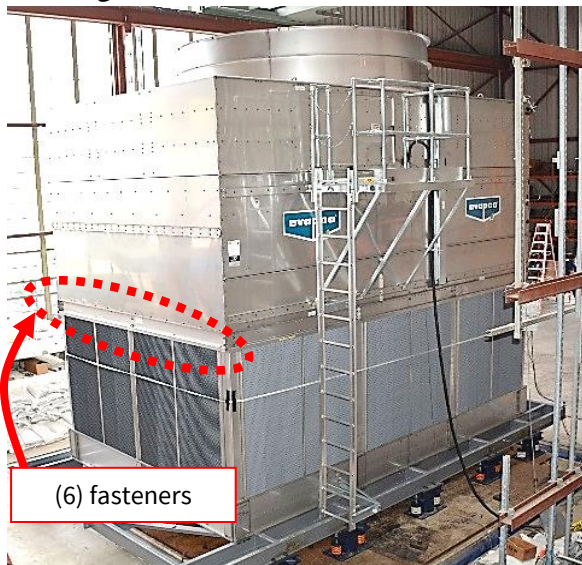
UUT Properties

Weight (lb)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
26,360	142	240	245	2.8	3.2	3.1

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	1.94g	1.0	1.5	3.1	2.33	1.99	0.8
		2.98g	0.0	1.5				

Test Mounting Details:



Unit-to-Unit Fixture: (24) 5/8" diameter ASTM Grade 5 bolts. **Unit Fixture-to-Isolators:** (2) 3/4" diameter ASTM Grade 8 bolts per isolator (20 bolts total). **Isolators:** (4) Mason SLFADA-600-2-109 at corners, (6) Mason SLFADA-600-2-111 (evenly spaced-3 per side); **Isolators-to-Table:** (20) 3/4" ASTM Grade 8 bolts. Unit maintained structural integrity and remained functional per manufacturer requirement. Contents were included in testing per operating conditions.