



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

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

OFFICE USE ONLY

APPLICATION #: OSP-0892

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: ait-deutschland GmbH

Manufacturer's Technical Representative: Markus Zabler

Mailing Address: Industriestraße 3, 95359 Kasendorf, Germany

Telephone: +49 9228 9906-0

Email: markus.zabler@ait-deutschland.eu

Product Information

Product Name: AIT NextGen Chiller System

Product Model Number(s): See attachments

Product Category: Chillers

Product Sub-Category: Chillers - CT Scanners

General Description: Liquid process cooler using an air cooled refrigerant system.

Mounting Description: Base Mounted on Rubber Metal Vibration Isolators, and Rigid Wall Mounted

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: WE Gundy & Associates, Inc

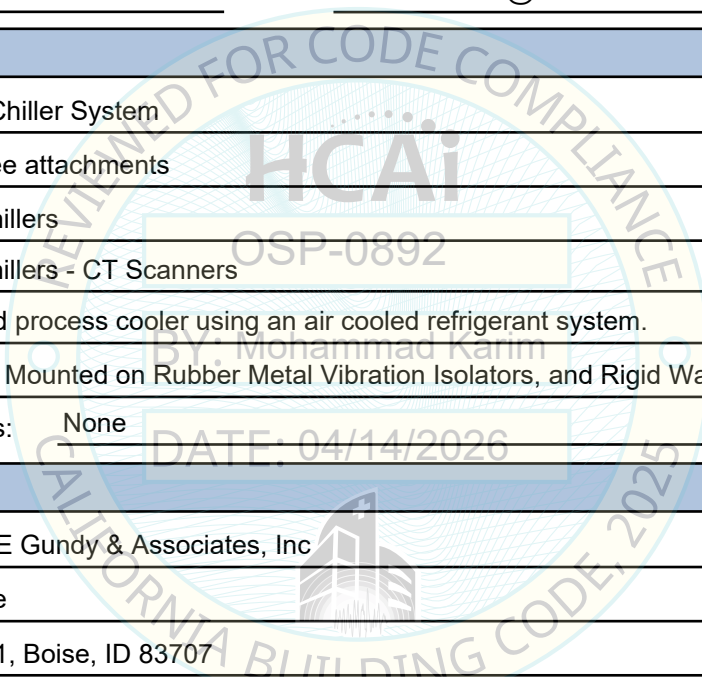
Contact Person: Travis Soppe

Mailing Address: PO Box 9121, Boise, ID 83707

Telephone: (208) 342-5989

Email: tsoppe@wegai.com

Title: President





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

Company Name: W.E. GUNDY & ASSOCIATES INC.

Name: Travis Soppe California License Number: S6115

Mailing Address: P.O. Box 9121, Boise, ID 83707

Telephone: (208) 342-5989 Email: tsoppe@wegai.com

Certification Method

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

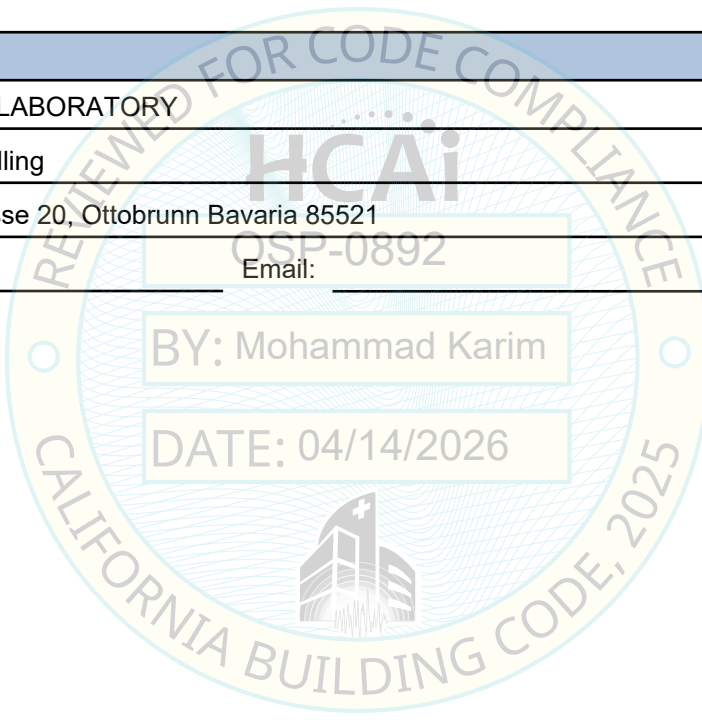
Testing Laboratory

Company Name: IABG TEST LABORATORY

Contact Person: Steven Roedling

Mailing Address: Einsteinstrasse 20, Ottobrunn Bavaria 85521

Telephone: (49896) 088-2052 Email: _____





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(Fp/Wp)

Horizontal (A Flx-H), g= 3.20 (A Rig-H), g= 2.15

Vertical (A Flx-V), g= 1.68 (A Rig-V), g= 0.68

SDS (Design spectral response acceleration at short period, g) = 2.5 @ z/h = 0; 2.0 @ z/h = 1

Hf (Force amplification height factor) = 1 @ z/h = 0; 3.5 @ z/h = 1

Ru (Structure ductility reduction factor) = 1 @ z/h = 0; 1.3 @ z/h = 1

Ip (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 04/14/2032

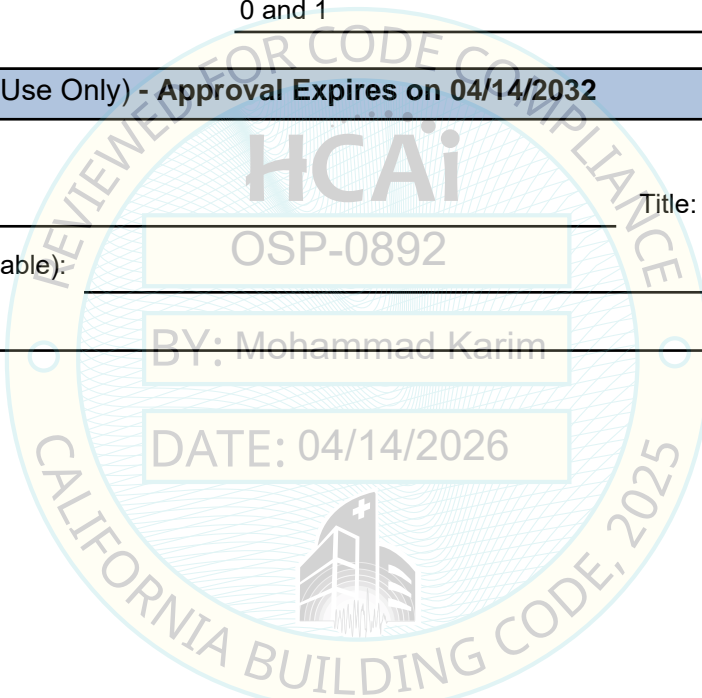
Date: 4/14/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0892

BY: Mohammad Karim

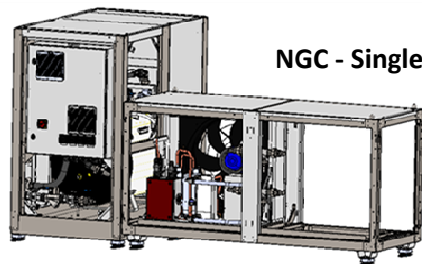
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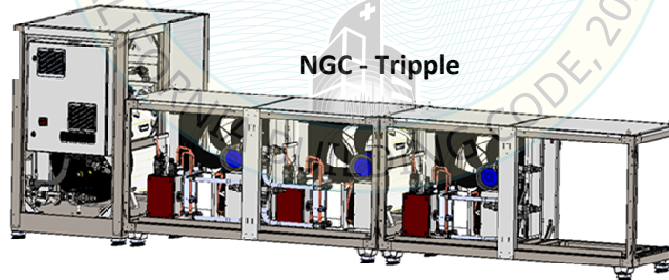
ait-Deutschland GmbH - NextGen CHILLER SYSTEM CERTIFIED PRODUCT LINE MATRIX

Identification	Part Number	Cooling Modules	Cooling Module WT (lbs)	Hydraulic Module WT (lbs)	Overall Dimensions (in) ¹			Combined Weight (lbs)	UUT
					Width	Depth	Height		
Complete Assembled NGC System - Floor Mounted									
NGC Single: 927151, 1 x 927153, 1 x 927152		1	485	1081	110.2	57.9	62.4	1566	extrapolated
NGC Double: 927151, 1 x 927153, 2 x 927152		2	639	1081	110.2	57.9	62.4	1720	UUT-1A/B
NGC Tripple: 927151, 2 x 927153, 3 x 927152		3	1124	1081	187.1	57.9	62.4	2205	extrapolated
NGC Quadruple: 927151, 2 x 927153, 4 x 927152		4	1278	1081	187.1	57.9	62.4	2359	UUT-1A/B + UUT-2
NGC System Main Components - Floor Mounted									
CC-Single	927153 / 927152	1	485	-	76.9	36.9	43.4	485	extrapolated
CC-Double	927153 / 927152	2	639	-	76.9	36.9	43.4	639	UUT-1B / UUT-2
Hydraulic Module	927151	-	-	1081	33.3	57.9	62.4	1081	UUT-1A
NGC System Main Components - Wall Mounted									
Remote Control Panel (RCP)	62553001	-	-	-	11.7	4.7	11.8	13	UUT-3

¹⁾ The chiller systems consist of a combination of a Hydraulic Cabinet / RCP (same for all systems) and connected Cooling Cabinets with internally mounted single or double cooling modules (see figure below for cooling system variants). The tripple / quadruple systems include an added cooling cabinet to the single / double configuration. The cooling cabinet has been tested both in combination with the hydraulic unit and as a standalone unit to certify all configurations.

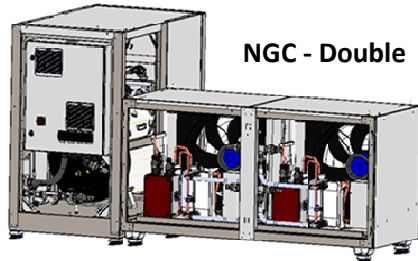
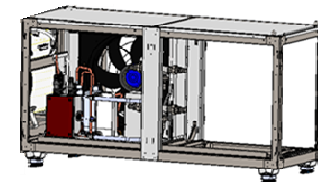


NGC - Single

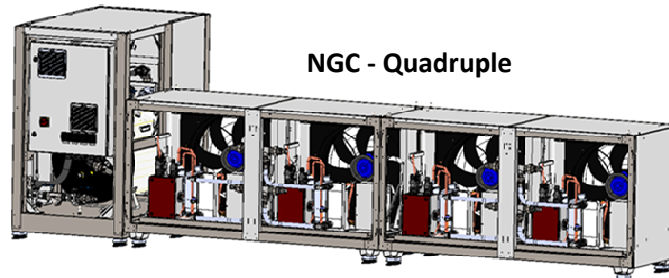


NGC - Tripple

Cooling Cabinet - Single

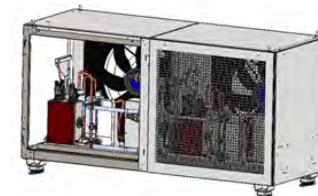


NGC - Double



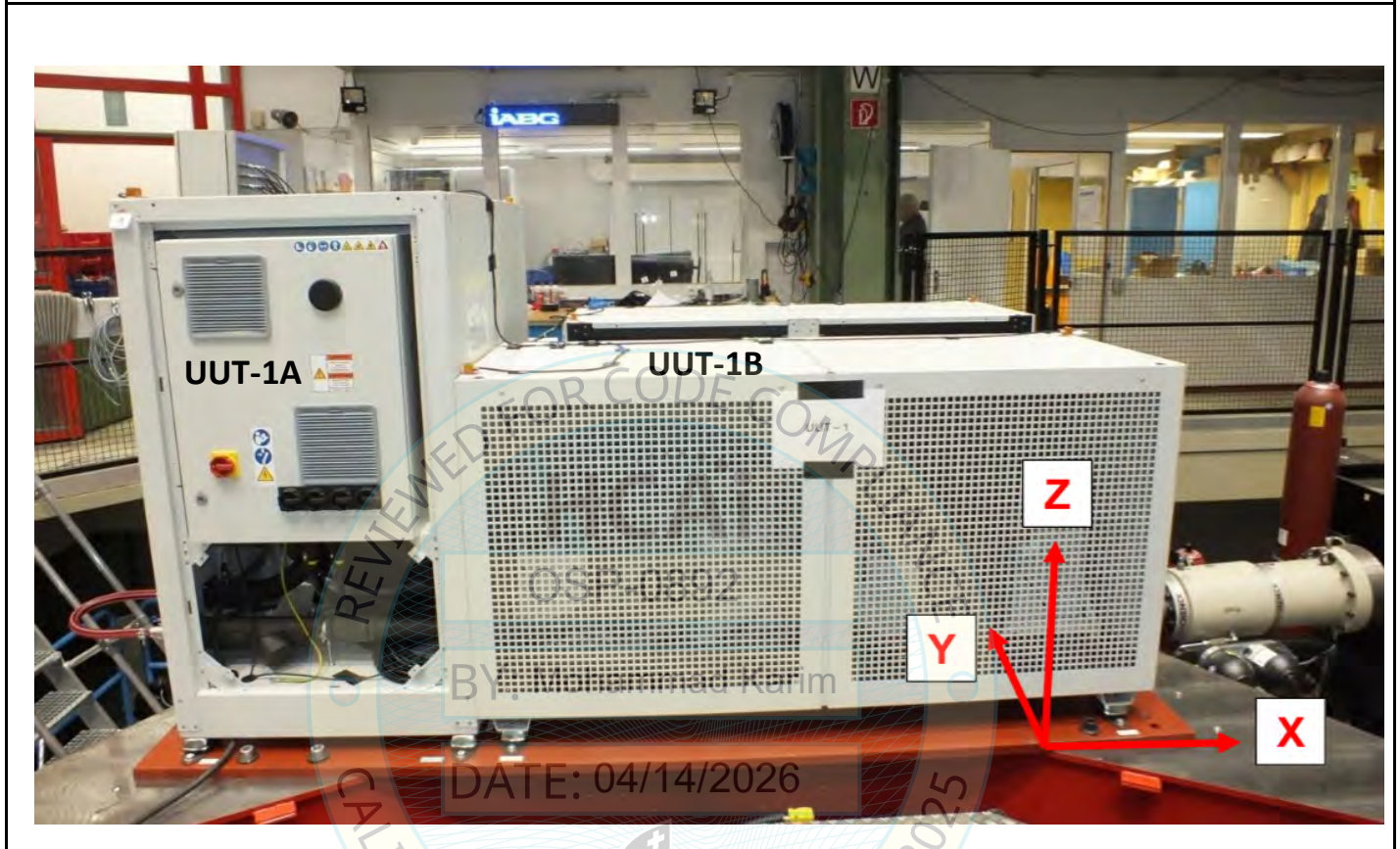
NGC - Quadruple

Cooling Cabinet - Double



UUT-1A/B	UNIT UNDER TEST (UUT) SUMMARY SHEET	
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Mounting Details: Flexible Floor mounting using 8 - AMC Marinelager Medium 65Sh vibration isolators (PN136024) each connecting to the floor with 2 - M12 grade 10.9 anchors for a total of 16 - M12 grade 10.9 anchor



Manufacturer: ait-Deutschland GmbH	Test Location: IABG - Munich, Germany
Component: NGC - Double	Test Date: September 22-24, 2025
Model Number: 927151, 1 x 927153, 2 x 927152	Report Number: TA-B-007400_V2

UUT Function: Liquid process cooler using an air cooled refrigerant system

UUT Description: Complete cooling system with UUT-1A hydraulic module (927151) and UUT-1B cooling cabinet (927153) with two internally mounted cooling modules (927152) and seismic kit (927154).

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,720	110.2	57.9	62.4	7.2	6.3	10.3

Note: UUT-1A weight = 1,081lbs and UUT-1B weight = 639lbs for combined system weight of 1,720lbs

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S_{DS} (g)	z/h	H_f	R_μ	I_p	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-2

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Flexible Floor mounting using 4 - AMC Marinelager Medium 65Sh vibration isolators (PN136024) each connecting to the floor with 2 - M12 grade 10.9 anchors for a total of 8 - M12 grade 10.9 anchor



Manufacturer: ait-Deutschland GmbH	Test Location: IABG - Munich, Germany
Component: CC - Double	Test Date: September 22-24, 2025
Model Number: 927153 / 927152	Report Number: TA-B-007400_V2
UUT Function: Liquid process cooler using an air cooled refrigerant system	
UUT Description: Cooling Cabinet (927153) with two internally mounted cooling modules (927152) and seismic kit (927154).	

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
639	76.9	36.9	43.4	7.3	11.1	16.9

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

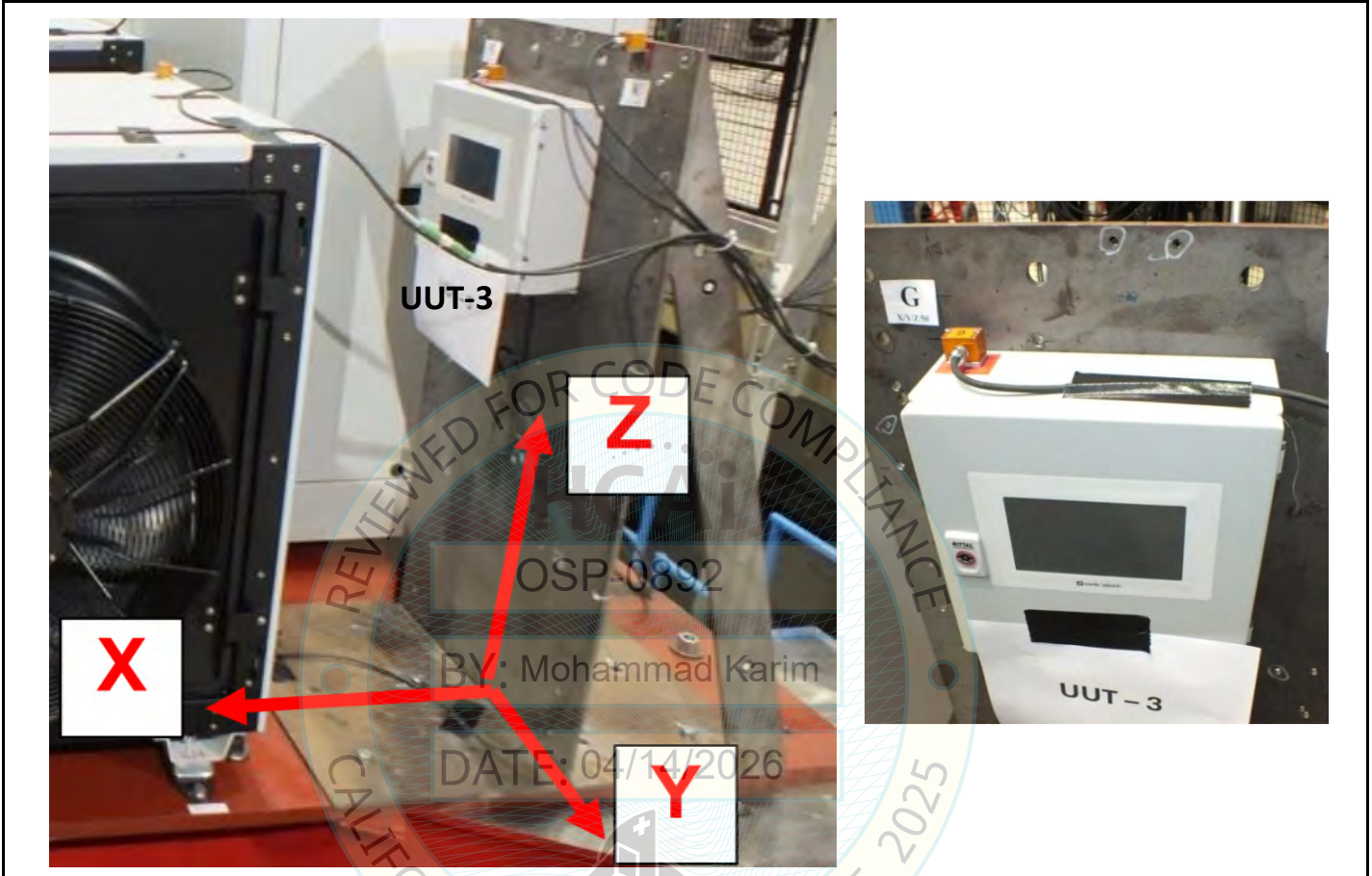
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT-3

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Rigid wall mounting using 4 - M8 grade 10.9 anchor bolts.



Manufacturer: ait-Deutschland GmbH **Test Location:** IABG - Munich, Germany

Component: Remote Control Panel (RCP) **Test Date:** September 22-24, 2025

Model Number: 62553001 **Report Number:** TA-B-007400_V2

UUT Function: Electronic control system

UUT Description: Remote control panel for NextGen Chiller systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
13	11.7	4.7	11.8	NA	NA	NA

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.