



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP – 0630

OSHPD Special Seismic Certification Preapproval (OSP)

Type: ☒ New ☐ Renewal

Manufacturer Information

Manufacturer: Canon Medical Systems Corporation

Manufacturer's Technical Representative: Krystal Ouren

Mailing Address: 2441 Michelle Drive, Tustin CA 92780

Telephone: On File

Email: On File

Product Information

Product Name: AQUILION ONE CT SYSTEMS

Product Type: Computed Tomography (CT) medical diagnostic imaging systems

Product Model Number: See Attachment 1, Tables 1 & 2

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

General Description: Multiple component systems for the provision of Computed Tomography (CT) medical imaging. Seismic Certification is limited to the systems & components identified in Attachment 1. Enhancements to the standard manufactured product present in the units tested shall be incorporated into the certified units.

Mounting Description: Rigid base mounted (i.e. floor mounted), except as noted in Attachment 1, Table 1.

Applicant Information

Applicant Company Name: EASE


Contact Person: JONATHAN ROBERSON, S.E.

Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

Telephone: (909) 606-7622

Email: j.roberson@easeco.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: 12/22/2020

Title: Principal Engineer

Company Name: EASE

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

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

Company Name: EASE

Name: JONATHAN ROBERSON, S.E. California License Number: S4197

Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

Telephone: (909) 606-7622 Email: j.roberson@easeco.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: Environmental Testing Laboratory, Inc.

Contact Name: Brady Richard

Mailing Address: 11034 Indian Trail, Dallas, TX 75229-3513

Telephone: (972) 247-9657 Email: brady@etldallas.com



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) = See Attachment 1, Tables 1 & 2

S_{DS} (Design spectral response acceleration at short period, g) = See Attachment 1, Tables 1 & 2

a_p (In-structure equipment or component amplification factor) = See Attachment 1, Tables 1 & 2

R_p (Equipment or component response modification factor) = See Attachment 1, Tables 1 & 2

Ω_0 (System overstrength factor) = See Attachment 1, Tables 1 & 2

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = See Attachment 1, Tables 1 & 2

Equipment or Component Natural Frequencies (Hz) = See Attachment 2

Overall dimensions and weight (or range thereof) = See Attachment 1, Tables 1 & 2

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): ATTACHMENTS 1 & 2

OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025

Signature: _____

Date: March 3, 2021

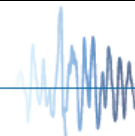
Print Name: Timothy J. Piland

Title: SSE

Special Seismic Certification Valid Up to: S_{DS} (g) = See Above

z/h = See Above

Condition of Approval (if applicable): _____



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 1 OF 6

TABLE 1:

Manufacturer	CANON MEDICAL SYSTEMS CORPORATION										S _{DS} = 2.0 at z/h = 1	
System	Aquilion ONE / PRISM Edition (TSX-306A/3)										S _{DS} = 2.5 at z/h = 0	
Component	Model No.	Approx. Dimensions [in]			Wt. [lb]	Mount	Basis ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
CT GANTRIES												
Aquilion CT Scanner Gantry - Type G	CGGT-039A/1A	89.4	37.8	75.8	5171	Rigid Base	UUT-1906-2	2.40 1.13	1	1 ½	2	
w/ Optional Rear Operating Panel Kit	CAGP-003A/2B											
w/ Optional Area Finder	CGAP-001A/1B											
PATIENT COUCHES												
Patient Couch - High Capacity – Compact ^[2]	CBTB-032B/5A	26.0	94.1 – 158.4	18.5 - 41	1455 ^[4]	Rigid Base	UUT-1906-1	2.40 1.13	1	1 ½	2	
Patient Couch – High Capacity – Compact	CBTB-032B/5A	26.0	94.1 – 158.4	22.3 - 41	1851 ^[4]	Rigid Base	UUT-1906-3	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/4C											
Patient Couch - High Capacity – Extended ^[2]	CBTB-032A/1A	26.0	113.8 - 197.7	18.5 - 41	1512 ^[4]	Rigid Base	UUT-1303-2A	2.40 1.13	1	1 ½	2	
Patient Couch - High Capacity – Extended ^[2]	CBTB-032A/5A	26.0	113.8 – 197.7	18.5 - 41	1512 ^[4]	Rigid Base	SAME AS UUT-1303-2A	2.40 1.13	1	1 ½	2	
Patient Couch - High Capacity - Extended	CBTB-032A/5A	26	113.8 - 197.7	18.5 - 41.0	1512	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/4C	---	---	3.5	396							
Patient Couch – High Capacity – Extended	CBTB-032A/8A	26.0	113.8 - 197.7	18.5 - 41.0	1950 ^[4]	Rigid Base	UUT-2006-1	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/6B											
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B											
Patient Couch – High Capacity – Extended	CBTB-032A/5A	26.0	113.8 - 197.7	22.3 - 41	1950	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/4C											
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B											
Patient Couch – High Capacity – Compact	CBTB-032B/5A	26.0	94.1 - 158.4	22.3 - 41	1893	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/4C											
w/ Optional CT Fluoro ^[3]	TSXF-004A/4B											
Patient Couch – High Capacity – Compact ^[2]	CBTB-032B/5A	26.0	94.1 - 158.4	18.5 - 41	1497	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional CT Fluoro ^[3]	TSXF-004A/4B											
Patient Couch – High Capacity – Extended ^[2]	CBTB-032A/5A	26.0	113.8 - 197.7	18.5 - 41	1554	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B											
Patient Couch – High Capacity – Extended ^[2]	CBTB-032A/8A	26.0	113.8 - 197.7	18.5 - 41.0	1554 ^[4]	Rigid Base	UUT-2006-2	2.40 1.13	1	1 ½	2	
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B											

Table continued next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 2 OF 6

TABLE 1:

Manufacturer	CANON MEDICAL SYSTEMS CORPORATION										S _{DS} = 2.0 at z/h = 1 S _{DS} = 2.5 at z/h = 0	
System	Aquilion ONE / PRISM Edition (TSX-306A/3)											
Component	Model No.	Approx. Dimensions [in]			Wt. [lb]	Mount	Basis ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
CONSOLE COMPONENTS												
Con Box - Type G ^[5]	CKCN-018B/1B	23.2	38.0	66.0	796	Rigid Base	UUT-1906-4	1.44 1.13	1	2 ½	2	
Con Box - Type G ^[5]	CKCN-018B/1B	23.2	38.0	66.0	901	Rigid Base	UUT-1906-5	1.44 1.13	1	2 ½	2	
w/ Optional AiCE/FIRST	CCRS-003A/1C											
w/ Optional Display Console Kit	CGS-94A/2B											
NAVI Box – Type A ^[6]	CKCN-018A/3B	7.9	12.2	13.8	28	CTA	UUT-1603-3	1.44 1.13	1	2 ½	2	
NAVI Box – Type A ^[6]	CKCN-018B/1B	7.9	12.2	13.8	28	CTA	SAME AS UUT-1603-3	1.44 1.13	1	2 ½	2	
POWER DISTRIBUTION												
Power Distributor - Type G	CETF-010B/2A	33.5	26.8	51.8	1433	Rigid Base	UUT-1906-6	1.44 1.13	1	2 ½	2	
w/ Optional UPS Kit for Power Distributor	CEUC-001A/6B											
USER INTERFACE												
Monitor (Mfr: EIZO)	MX-192	16.3	8.1	16.1 - 21.5	13	CTA	UUT-1603-6	1.44 1.13	1	2 ½	2	
Keyboard (scan)	BSX74-2866-01*B	21	9.25	3.0	7	CTA	UUT-1901-8	1.44 1.13	1	2 ½	2	
Keyboard (scan)	BSX74-2866-01*D	21	9.25	3.0	7	CTA	SAME AS UUT-1901-8	1.44 1.13	1	2 ½	2	
Keyboard (display)	BSX74-2866-02*A	21	9.25	3.0	7	CTA	UUT-1603-13	1.44 1.13	1	2 ½	2	
Keyboard (display)	BSX74-2866-02*D	21	9.25	3.0	7	CTA	SAME AS UUT-1603-13	1.44 1.13	1	2 ½	2	

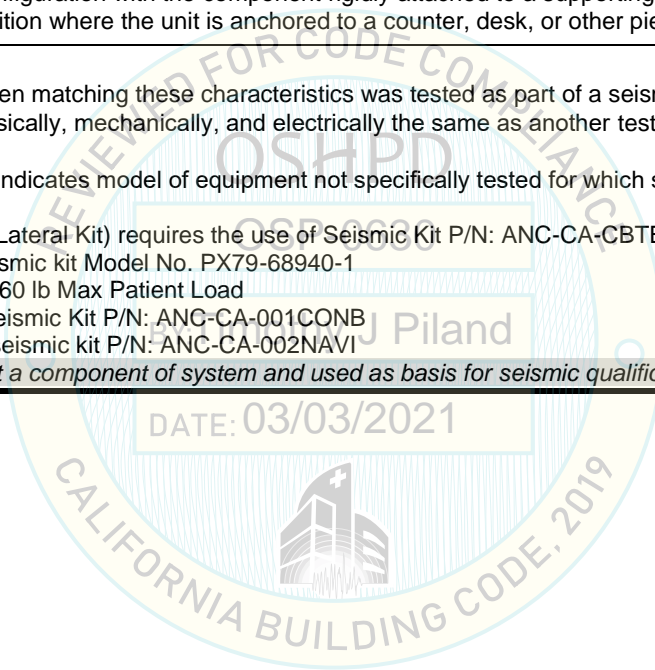
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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

Manufacturer	CANON MEDICAL SYSTEMS CORPORATION										S _{DS} = 2.0 at z/h = 1 S _{DS} = 2.5 at z/h = 0	
System	Aquilion ONE / PRISM Edition (TSX-306A/3)											
Component	Model No.	Approx. Dimensions [in]			Wt. [lb]	Mount	Basis ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
Mount	Rigid Base: free-standing, base-mounted configuration with the component rigidly attached to a supporting structure and no lateral support above the base. CTA (Countertop Anchored): refers to a condition where the unit is anchored to a counter, desk, or other piece of rigid fixed furniture.											
Notes	<div>1. BASIS:<ul style="list-style-type: none">“UUT-#” indicates that a test specimen matching these characteristics was tested as part of a seismic test program.“SAME” indicates component is physically, mechanically, and electrically the same as another test specimen with differences limited to model number, color, and/or software.“INT” (Interpolated or Extrapolated) indicates model of equipment not specifically tested for which seismic qualification is established through testing of similar models in the product line.</div> <div>2. Patient Couch – High Capacity (without Lateral Kit) requires the use of Seismic Kit P/N: ANC-CA-CBTB032</div> <div>3. CT Fluoro Option requires the use of seismic kit Model No. PX79-68940-1</div> <div>4. Patient Couch weight does not include 660 lb Max Patient Load</div> <div>5. Con Box – Type B requires the use of Seismic Kit P/N: ANC-CA-001CONB</div> <div>6. NAVI Box – Type A requires the use of seismic kit P/N: ANC-CA-002NAVI</div> <div>7. <i>Gray italic formatting indicates unit is not a component of system and used as basis for seismic qualification only.</i></div>											



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 2:

Manufacturer	CANON MEDICAL SYSTEMS CORPORATION										S _{DS} = 2.0 at z/h = 1	
System	Aquilion ONE / GENESIS Edition (TSX-305A/6)										S _{DS} = 2.5 at z/h = 0	
Component	Model No.	Approx. Dimensions [in]			Wt. [lb]	Mount	Basis ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
CT GANTRIES												
Aquilion CT Scanner Gantry - Type G	CGGT-036A/1A	89.4	37.8	75.8	5159	Rigid Base	UUT-1603-2	2.40 1.13	1	1 ½	2	
w/ Optional Rear Operating Panel Kit	CAGP-003A/1B											
w/ Optional Area Finder	CGAP-001A/1B											
Aquilion CT Scanner Gantry - Type G	CGGT-036A/3A	89.4	37.8	75.8	5159	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional Rear Operating Panel Kit	CAGP-003A/1B											
w/ Optional Area Finder	CGAP-001A/1B											
Aquilion CT Scanner Gantry - Type G	CGGT-036A/1A	89.4	37.8	75.8	5159	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional Rear Operating Panel Kit	CAGP-003A/1B											
w/ Optional Area Finder	CGAP-001A/1B											
Detector Upgrade Kit	CGS-95A/1B											
Console Upgrade Kit (any one)	CGS-96A/1C CGS-96A/2C CGS-96A/3C											
Aquilion CT Scanner Gantry - Type G	CGGT-039A/1A	89.4	37.8	75.8	5171	Rigid Base	UUT-1906-2	2.40 1.13	1	1 ½	2	
w/ Optional Gantry Rear Operating Panel Kit	CAGP-003A/2B											
w/ Optional Area Finder	CGAP-001A/1B											
PATIENT COUCHES												
Patient Couch - High Capacity – Compact ^[2]	CBTB-032B/5A	26.0	94.1 – 158.4	18.5 - 41	1455 ^[4]	Rigid Base	UUT-1906-1	2.40 1.13	1	1 ½	2	
Patient Couch – High Capacity – Compact	CBTB-032B/5A	26.0	94.1 – 158.4	22.3 - 41	1851 ^[4]	Rigid Base	UUT-1906-3	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/4C											
Patient Couch - High Capacity – Extended ^[2]	CBTB-032A/1A	26.0	113.8 – 197.7	18.5 - 41	1512 ^[4]	Rigid Base	UUT-1303-2A	2.40 1.13	1	1 ½	2	
Patient Couch - High Capacity – Extended ^[2]	CBTB-032A/5A	26.0	113.8 – 197.7	18.5 - 41	1512 ^[4]	Rigid Base	SAME AS UUT-1303-2A	2.40 1.13	1	1 ½	2	
Patient Couch - High Capacity - Extended	CBTB-032A/5A	26	113.8 - 197.7	18.5 - 41.0	1512	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/4C	---	---	3.5	396							

Table continued next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 2:

Manufacturer	CANON MEDICAL SYSTEMS CORPORATION										S _{DS} = 2.0 at z/h = 1	
System	Aquilion ONE / GENESIS Edition (TSX-305A/6)										S _{DS} = 2.5 at z/h = 0	
Component	Model No.	Approx. Dimensions [in]			Wt. [lb]	Mount	Basis ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
PATIENT COUCHES (continued)												
Patient Couch – High Capacity – Extended	CBTB-032A/8A	26.0	113.8 - 197.7	18.5 - 41.0	1950 ^[4]	Rigid Base	UUT-2006-1	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/6B											
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B											
Patient Couch – High Capacity – Extended	CBTB-032A/5A	26.0	113.8 - 197.7	22.3 - 41	1950	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/4C											
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B											
Patient Couch – High Capacity – Compact	CBTB-032B/5A	26.0	94.1 - 158.4	22.3 - 41	1893	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional Lateral Movement Kit	CALU-001A/4C											
w/ Optional CT Fluoro ^[3]	TSXF-004A/4B											
Patient Couch – High Capacity – Compact ^[2]	CBTB-032B/5A	26.0	94.1 - 158.4	18.5 - 41	1497	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional CT Fluoro ^[3]	TSXF-004A/4B											
Patient Couch – High Capacity – Extended ^[2]	CBTB-032A/5A	26.0	113.8 - 197.7	18.5 - 41	1554	Rigid Base	INT	2.40 1.13	1	1 ½	2	
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B											
Patient Couch – High Capacity – Extended ^[2]	CBTB-032A/8A	26.0	113.8 - 197.7	18.5 - 41.0	1554 ^[4]	Rigid Base	UUT-2006-2	2.40 1.13	1	1 ½	2	
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B											
CONSOLE COMPONENTS												
Con Box - Type G ^[5]	CKCN-018B/1B	23.2	38.0	66.0	796	Rigid Base	UUT-1906-4	1.44 1.13	1	2 ½	2	
Con Box - Type G ^[5]	CKCN-018B/1B	23.2	38.0	66.0	901	Rigid Base	UUT-1906-5	1.44 1.13	1	2 ½	2	
w/ Optional AiCE/FIRST	CCRS-003A/1C											
w/ Optional Display Console Kit	CGS-94A/2B											
Con Box - Type G ^[5]	CKCN-018B/1B	23.2	38.0	66.0	901	Rigid Base	SAME AS UUT-1906-5	1.44 1.13	1	2 ½	2	
w/ Optional AiCE/FIRST	CCRS-003A/2C											
w/ Optional Display Console Kit	CGS-94A/2B											
NAVI Box – Type A ^[6]	CKCN-018A/3B	7.9	12.2	13.8	28	CTA	UUT-1603-3	1.44 1.13	1	2 ½	2	
NAVI Box – Type A ^[6]	CKCN-018B/1B	7.9	12.2	13.8	28	CTA	SAME AS UUT-1603-3	1.44 1.13	1	2 ½	2	

Table continued next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 2:

Manufacturer	CANON MEDICAL SYSTEMS CORPORATION								S _{DS} = 2.0 at z/h = 1			
System	Aquilion ONE / GENESIS Edition (TSX-305A/6)								S _{DS} = 2.5 at z/h = 0			
Component	Model No.	Approx. Dimensions [in]			Wt. [lb]	Mount	Basis ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
POWER DISTRIBUTION												
Power Distributor - Type G	CETF-010B/1A	33.5	26.8	51.8	1389	Rigid Base	UUT-1603-5	1.44	1	2 ½	2	
w/ Optional UPS Kit for Power Distributor	CEUC-001A/6B							1.13				
USER INTERFACE												
Monitor (Mfr: EIZO)	MX-192	16.3	8.1	16.1 - 21.5	13	CTA	UUT-1603-6	1.44 1.13	1	2 ½	2	
Keyboard (scan)	BSX74-2866-01*B	21	9.25	3.0	7	CTA	UUT-1901-8	1.44 1.13	1	2 ½	2	
Keyboard (scan)	BSX74-2866-01*D	21	9.25	3.0	7	CTA	SAME AS UUT-1901-8	1.44 1.13	1	2 ½	2	
Keyboard (display)	BSX74-2866-02*A	21	9.25	3.0	7	CTA	UUT-1603-13	1.44 1.13	1	2 ½	2	
Keyboard (display)	BSX74-2866-02*D	21	9.25	3.0	7	CTA	SAME AS UUT-1603-13	1.44 1.13	1	2 ½	2	
Mount	Rigid Base: free-standing, base-mounted configuration with the component rigidly attached to a supporting structure and no lateral support above the base. CTA (Countertop Anchored): refers to a condition where the unit is anchored to a counter, desk, or other piece of rigid fixed furniture.											
Notes	1. BASIS: <ul style="list-style-type: none">• "UUT-#" indicates that a test specimen matching these characteristics was tested as part of a seismic test program.• "SAME" indicates component is physically, mechanically, and electrically the same as another test specimen with differences limited to model number, color, and/or software.• "INT" (Interpolated or Extrapolated) indicates model of equipment not specifically tested for which seismic qualification is established through testing of similar models in the product line. 2. Patient Couch – High Capacity (without Lateral Kit) requires the use of Seismic Kit P/N: ANC-CA-CBTB032 3. CT Fluoro Option requires the use of seismic kit Model No. PX79-68940-1 4. Patient Couch weight does not include 660 lb Max Patient Load 5. Con Box – Type B requires the use of Seismic Kit P/N: ANC-CA-001CONB 6. NAVI Box – Type A requires the use of seismic kit P/N: ANC-CA-002NAVI 7. <i>Gray italic formatting indicates unit is not a component of system and used as basis for seismic qualification only.</i>											

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 1 OF 8

UUT-1303-2A Patient Couch – High Capacity Extended

MANUFACTURER:	Toshiba Medical Systems Corporation
IDENTIFICATION:	Model No.: CBTB-032A SUP Symbol: /1A S/N: 1AA1362015
DESCRIPTION:	Component of the Aquilion PRIME SP System. Also common to other Aquilion CT systems
MOUNTING:	<u>Rigid Base (Floor) Mounted:</u> (6) – 5/8" dia. Grade 8 Hex Head Bolts to aluminum interface plate.

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
26	113.75 min – 197.9 max	18.5 min – 41 max	1512 + 660 Patient Load	2.8	14.0	6.1
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS				CODE: 2019 CBC		
S _{DS} (G)	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
2.6	1.0	1.5	4.16	3.12	1.74	0.70

Unit satisfied ICC-ES AC-156 requirements for structural integrity and function following Multifrequency Seismic test phase.

UUT-1603-2 Aquilion CT Scanner Gantry - Type G

MANUFACTURER:	Toshiba Medical Systems Corporation
IDENTIFICATION:	Model No.: CGGT-036A/1A Serial No.: 1AA1652019
DESCRIPTION:	Component of the Aquilion ONE Genesis CT system. Toshiba seismic anchorage kit model: ANC-CA-TSX305A Unit full of contents during test. <u>Includes Gantry Rear Operating Panel Kit</u> Model No.: CAGP-003A/1B <u>Includes Area Finder</u> Model No.: CGAP-001A/1B
MOUNTING:	Rigid Base (Floor) mounted using (6) – 3/4" diameter SAE J429 Grade 8 bolts.



DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
89.4	37.8	75.8	5159	9.1	8.8	24.1
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS				CODE: 2019 CBC		
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68

Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-1603-3 NAVI Box - Type A

MANUFACTURER:	Toshiba Medical Systems Corporation
IDENTIFICATION:	Model No.: CKCN-018A/3B Serial No.: 3BA1652020
DESCRIPTION:	Component of the Aquilion ONE Family CT systems. Toshiba seismic anchorage kit model: ANC-CA-TSX305A Unit full of contents during test.
MOUNTING:	Counter Top Anchor (CTA) mounted using (4) - #10 x 1" pan head coarse thread SMS through manufacturer-provided brackets. Brackets secured to enclosure w/ 1" x 11" Velcro brand Industrial hook & loop tape at interface between bracket and enclosure.



DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
7.9	12.2	13.8	26	20.2	21.7	31.6
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.6	1	1.5	4.16	3.12	1.74	0.70
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-1603-5 Power Distributor - Type G w/ UPS Kit for Power Distributor

MANUFACTURER:	Toshiba Medical Systems Corporation	
IDENTIFICATION:	Power Distributor Model No.: CETF-010B/1A Serial No.: 1AA1652020	UPS Kit CEUC-001A/6B 6BA1667001
DESCRIPTION:	Component of the Aquilion ONE Genesis Series CT system. Toshiba seismic anchorage kit model: ANC-CA-TSX305A Unit full of contents during test.	
MOUNTING:	Rigid Base (Floor) mounted using (6) – ½" dia SAE J429 Grade 8 bolts through manufacturer-provided mounting brackets.	



DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
32.25	26.8	51.8	1389	11.2	10.6	41.8
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.6	1	1.5	4.16	3.12	1.74	0.70
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-1603-6 Monitor (EIZO)						
MANUFACTURER:		EIZO				
IDENTIFICATION:		Model No.: MX-192				
DESCRIPTION:		Component common to all Aquilion CT systems. Unit full of contents during test.				
MOUNTING:		Countertop Anchor (CTA) mounted using (4) - #8 x 1" flat head construction screws w/ 15/32 O.D. countersink grommet into 3/4" thick plywood.				
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
16.3	8.1	16.1-21.5	13	4.7	5.5	23.7
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS				CODE: 2019 CBC		
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.6	1	1.5	4.16	3.12	1.74	0.70
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



UUT-1603-13 Keyboard						
MANUFACTURER:		Toshiba Medical Systems Corporation				
IDENTIFICATION:		Model No.: BSX74-2866-02*A				
DESCRIPTION:		Component common to all Aquilion CT systems. Unit full of contents during test.				
MOUNTING:		Rigid Base mounted using (2) lines of 1" x 19" Velcro brand Industrial hook & loop tape space 5.5" apart applied to rear face of specimen and test plate.				
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front -Axis	Side-Axis	Vert-Axis
21	9.25	3	7	31	42.5	26.8
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS				CODE: 2019 CBC		
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.6	1	1.5	4.16	3.12	1.74	0.70
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-1901-8 Keyboard						
MANUFACTURER:		Canon Medical Systems Corporation				
IDENTIFICATION:		Model No.: BSX74-2866-01*B				
		S/N.: G5000234				
DESCRIPTION:		Component of the Aquilion Prime SP CT System				
		Requires use of seismic kit P/N ANC-CA-002NAVI				
MOUNTING:		Countertop Attached Mounted: (2) 1" x 7.5" INDUSTRIAL STRENGTH HOOK AND LOOP				
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
20.5	3.5	9.5	6.5	>50	35.36	36.20
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



UUT-1906-1 Patient Couch – High Capacity - Compact						
MANUFACTURER:		Canon Medical Systems Corporation				
IDENTIFICATION:		Model No.: CBTB-032B/5A				
		S/N.: 5AB1967001				
DESCRIPTION:		Component of the Aquilion ONE Family CT Systems				
		Requires seismic kit P/N: ANC-CA-CBTB032				
		*Tested Depth = 128" **Tested Height = 34"				
MOUNTING:		Rigid Base (Floor) Mounted: (6) – 5/8" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.				
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
26.0	94.1 – 158.4*	18.5 – 41**	1455	3.29	45.25	7.78
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-1906-2 Aquilion CT Scanner Gantry – Type G

MANUFACTURER:	Canon Medical Systems Corporation
IDENTIFICATION:	Model No.: CGGT-039A/1A S/N.: 1AA1967001
DESCRIPTION:	Component of the Aquilion ONE / Prism CT System <u>Includes Rear Operating Panel Kit:</u> Model No.: CAGP-003A/2B; S/N: 2BA1967001 <u>Includes Area Finder:</u> Model No.: CGAP-001A/1B; S/N: 1BB1967003
MOUNTING:	<u>Rigid Base (Floor) Mounted:</u> (6) – 3/4" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.


PROPERTIES:

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
89.4	37.8	75.8	5171	7.42	8.73	11.15

ICC-ES AC156 SHAKE TABLE TEST PARAMETERS
CODE: 2019 CBC

S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.

UUT-1906-3 Patient Couch – High Capacity – Compact (w/ Lateral Movement Kit)

MANUFACTURER:	Canon Medical Systems Corporation
IDENTIFICATION:	Model No.: CBTB-032B/5A S/N.: 5AB1967001
DESCRIPTION:	Component of the Aquilion ONE Family CT Systems <u>Includes Lateral Movement Kit:</u> Model No.: CALU-001A/4C; S/N: 4CB1912190 *Tested Depth = 128" **Tested Height = 34"
MOUNTING:	<u>Rigid Base (Floor) Mounted:</u> (6) – 5/8" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.


PROPERTIES:

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
26.0	94.1 – 158.4*	22.3 – 41**	1851	2.29	12.29	7.03

ICC-ES AC156 SHAKE TABLE TEST PARAMETERS
CODE: 2019 CBC

S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

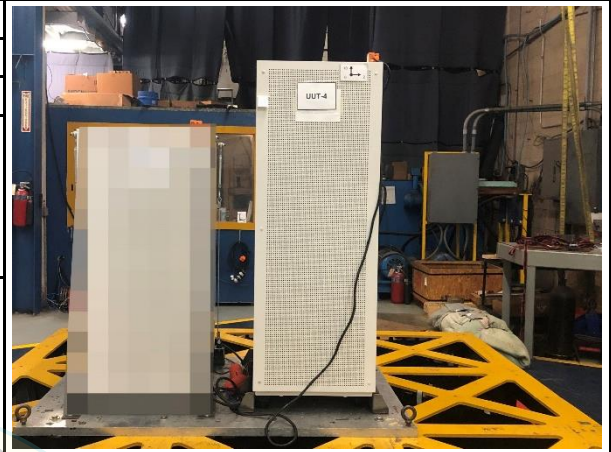
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-1906-4 Con Box – Type G

MANUFACTURER:	Canon Medical Systems Corporation
IDENTIFICATION:	Model No.: KCCN-018B/1B S/N.: 1BA1967011
DESCRIPTION:	Component of the Aquilion ONE Family CT Systems Requires use of seismic kit P/N: ANC-CA-001CONB
MOUNTING:	<u>Rigid Base (Floor) Mounted:</u> (6) – 1/2" dia. SAE J429 Grade 8 Hex Head Bolts to aluminum interface plate.

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
23.3	38.0	66.0	796	13.80	26.06	> 50
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.

UUT-1906-5 Con Box – Type G with AiCE/FIRST & Display Console Kit

MANUFACTURER:	Canon Medical Systems Corporation
IDENTIFICATION:	Model No.: KCCN-018B/1B S/N.: 1BA1967011
DESCRIPTION:	Component of the Aquilion ONE / PRISM Edition CT System <u>Included options:</u> (1) AiCE/FIRST Model No.: CCRS-003A/1C; Serial No.: 1CA1967009 (2) Display Console Kit Model No.: CGS-94A/2B; Serial No.: 2BA1967001 Requires use of seismic kit P/N: ANC-CA-001CONB
MOUNTING:	<u>Rigid Base (Floor) Mounted:</u> (6) – 1/2" dia. SAE J429 Grade 8 Hex Head Bolts to aluminum interface plate.

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
23.3	38.0	66.0	901	13.66	23.13	> 50
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-1906-6 Power Distributor – Type G with UPS Kit

MANUFACTURER:	Canon Medical Systems Corporation
IDENTIFICATION:	Model No.: CETF-010B/2A
	S/N.: 2AA1967001
DESCRIPTION:	Component of the Aquilion ONE / PRISM Edition CT System <u>Includes UPS Kit for Power Distributor</u> Model No.: CEUC-001A/6B Serial No.: 6BB1967002
MOUNTING:	<u>Rigid Base (Floor) Mounted:</u> (6) – 1/2" dia. SAE J429 Grade 8 Hex Head Bolts to aluminum interface plate.


PROPERTIES:

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
33.5	26.8	51.8	1433	9.91	9.93	16.65
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS				CODE: 2019 CBC		
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.

UUT-2006-1 Patient Couch – High Capacity – Extended w/ Lateral & CT Fluoro Options

MANUFACTURER:	Canon Medical Systems Corporation
IDENTIFICATION:	Model No.: CBTB-032A / 8A Serial No.: 8AB2067003
DESCRIPTION:	Component of the Aquilion ONE PRISM, Aquilion ONE GENESIS, and Aquilion Prime SP Systems <u>Includes Lateral Movement Unit</u> Model No.: CALU-001A / 6B; Serial No.: 6BB2052147 <u>Includes CT Fluoro Option</u> Model No.: TSXF-004A / 3B; Serial No.: 3BA2062034 *Tested Depth = 152" **Tested Height = 34"
MOUNTING:	<u>Rigid Base (Floor) Mounted:</u> (6) – 5/8" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.


PROPERTIES:

DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		X-Axis	Y-Axis	Z-Axis
26.0	113.8 – 197.7*	18.5 – 41.0**	1950	8.25	3.29	6.86
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS				CODE: 2019 CBC		
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

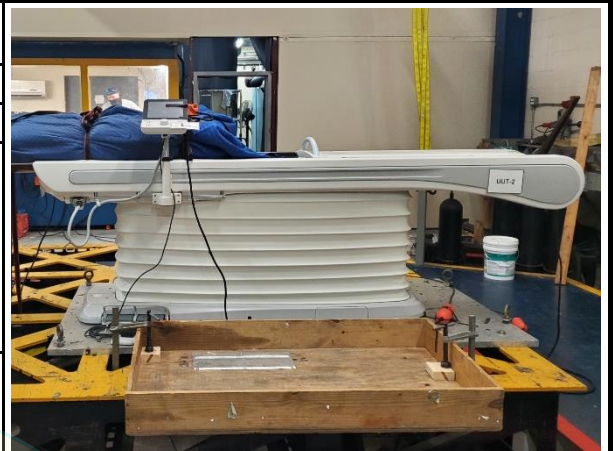
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-2006-2 Patient Couch – High Capacity – Extended w/ CT Fluoro Option

MANUFACTURER:	Canon Medical Systems Corporation
IDENTIFICATION:	Model No.: CBTB-032A / 8A Serial No.: 8AB2067003
DESCRIPTION:	Component of the Aquilion ONE PRISM, Aquilion ONE GENESIS, and Aquilion Prime SP Systems <u>Includes CT Fluoro Option</u> Model No.: TSXF-004A / 3B; Serial No.: 3BA2062034 *Tested Depth = 152" **Tested Height = 34"
MOUNTING:	Rigid Base (Floor) Mounted: (6) – 5/8" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
26.0	113.8 – 197.7*	18.5 – 41.0**	1554	8.88	3.13	8.71
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS				CODE: 2019 CBC		
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.