



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

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

OFFICE USE ONLY

APPLICATION #: OSP-0506

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Carestream Health, Inc.

Manufacturer's Technical Representative: Ted Young

Mailing Address: 150 Verona Street, Rochester, NY 14608

Telephone: (585) 627-8724

Email: ted.young@carestreamhealth.com

Product Information

Product Name: Fluoroscopy and Radiography Systems

Product Type: NA

Product Model Number: DRX-Ascend

General Description: Multiple component medical diagnostic imaging system.

Mounting Description: See Certified Product Tables

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: EASE Co.

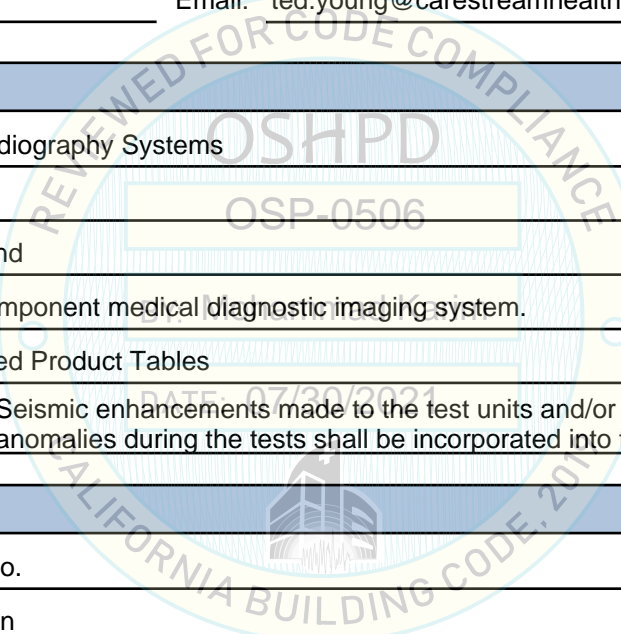
Contact Person: Jonathan Roberson

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

Telephone: (909) 606-7622

Email: j.roberson@easeco.com

Title: Principal Structural Engineer





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

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

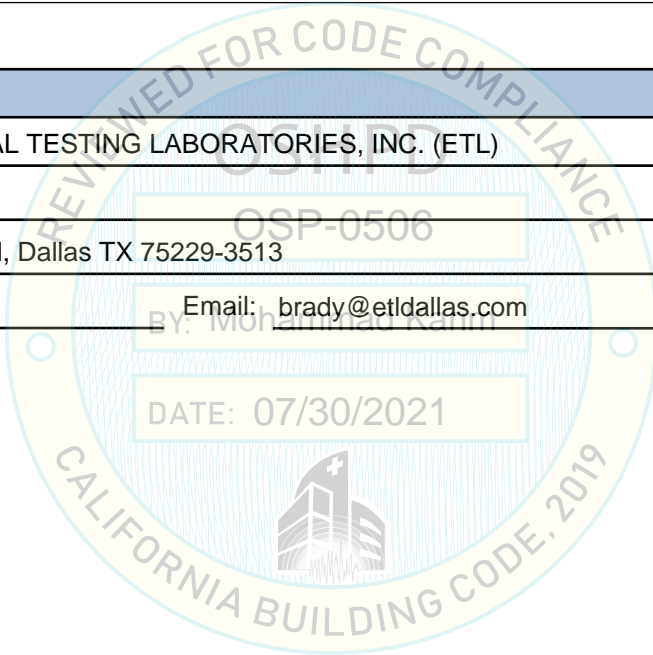
Company Name: EASE
Name: Jonathan Roberson California License Number: S4197
Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709
Telephone: (951) 295-1892 Email: jon@EASECo.com

Certification Method

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

Testing Laboratory

Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
Contact Person: Brady Richard
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513
Telephone: (972) 247-9657 Email: brady@etldallas.com





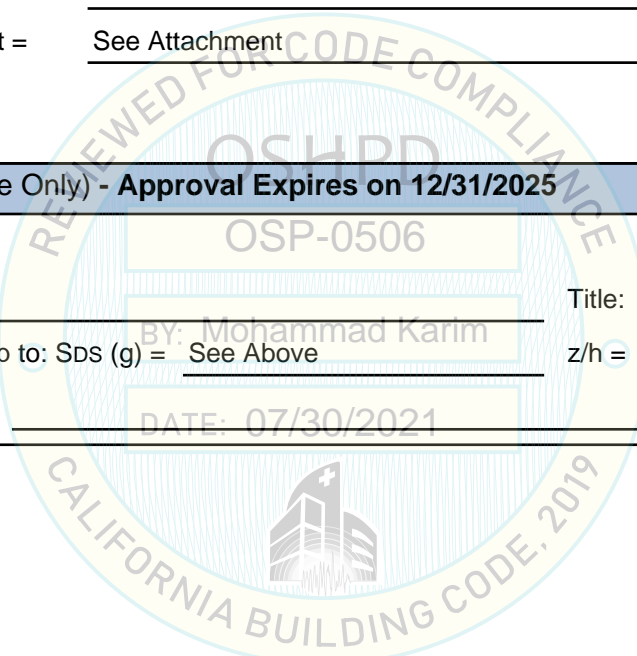
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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) =	See Certified Product Tables
SDS (Design spectral response acceleration at short period, g) =	2.0 (z/h = 1); 2.5 (z/h = 0)
a_p (Amplification factor) =	See Certified Product Tables
R_p (Response modification factor) =	See Certified Product Tables
Ω_0 (System overstrength factor) =	2.0
I_p (Importance factor) =	1.5
z/h (Height ratio factor) =	1 and 0
Natural frequencies (Hz) =	See Attachment
Overall dimensions and weight =	See Attachment

OSHPD Approval (For Office Use Only) - Approval Expires on 12/31/2025

Date:	7/30/2021		
Name:	Mohammad Karim	Title:	Supervisor, Health Facilities
Special Seismic Certification Valid Up to: SDS (g) =	See Above	z/h =	See Above
Condition of Approval (if applicable):	DATE: 07/30/2021		



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

System Manufacturer		Carestream Health, Inc.							S _{Ds} = 2.0 at z/h = 1 S _{Ds} = 2.5 at z/h = 0			
System		DRX Ascend										
COMPONENT	IDENTIFICATION NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _p /W _p	a _p	R _p	Ω ₀	
		W	D	H								
OVERHEAD TUBE CRANES												
Overhead Tube Crane (3m bridge) (Siemens) including:	< RS-590 >											
• Touch Screen User Interface (Carestream/Techvision)	< QG-TV-IP-C >	24.38	118.12	32.67 / 103.54	765	Ceiling	UUT-1605-1	3.60 / 1.13	2 ½	2 ½	2	
• X-ray Tube (Varian)	< Varian RAD-92 >											
• Collimator, Motorized (Carestream)	< Linear MC150 >											
Overhead Tube Crane (3m bridge) (Siemens) including:	< RS-590 >											
• Touch Screen User Interface (Carestream/Techvision)	< QG-TV-IP-C >	24.38	118.12	32.67 / 103.54	760	Ceiling	UUT-1605-2	3.60 / 1.13	2 ½	2 ½	2	
• X-ray Tube (Varian)	< Varian RAD-92 >											
• Collimator, Manual (Ralco)	< R221/A DHHS >											
PATIENT TABLES ^[2]												
Patient Table	< QT-750 >	85.00	35.55	21 / 32.5	580	Rigid Base	UUT-1605-3	2.40 / 1.13	1	1 ½	2	
• DRX-Plus 4343 Detector	2272233101	46cm	46cm	1.6cm	8.2							
Patient Table	< TT-750 >	85.00	35.55	21 / 32.5	580	Rigid Base	SAME	2.40 / 1.13	1	1 ½	2	
• DRX-Plus 4343 Detector	2272233101	46cm	46cm	1.6cm	8.2							
Patient Table	< QT-750 >	85.00	35.55	21 / 32.5	580	Rigid Base	INT	2.40 / 1.13	1	1 ½	2	
• DRX-Plus 4343C Detector	2272233102											
• DRX-Plus 4343F Detector	2272233103											
• DRX-Plus 4343FC Detector	2272233104											
• DRX-Plus 3543 Detector	2272233001											

Table continued next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 2 OF 4

TABLE 1:

System Manufacturer		Carestream Health, Inc.							S _{DS} = 2.0 at z/h = 1 S _{DS} = 2.5 at z/h = 0			
System		DRX Ascend										
COMPONENT	IDENTIFICATION NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
Patient Table	< TT-750 >											
• DRX-Plus 4343C Detector	2272233102	85.00	35.55	21 / 32.5	580	Rigid Base	INT	2.40 1.13	1	1 ½	2	
• DRX-Plus 4343F Detector	2272233103											
• DRX-Plus 4343FC Detector	2272233104											
• DRX-Plus 3543 Detector	2272233001											
Patient Table	< QT-750 >	85.00	35.55	21 / 32.5	580	Rigid Base	UUT-1605-4	2.40 1.13	1	1 ½	2	
• DRX-Plus 3543C Detector	2272233002	38cm	46cm	1.6cm	6.8							
Patient Table	< TT-750 >	85.00	35.55	21 / 32.5	580	Rigid Base	SAME	2.40 1.13	1	1 ½	2	
• DRX-Plus 3543C Detector	2272233002	38cm	46cm	1.6cm	6.8							
WALL STANDS ^[2]												
Wallstand, Manual Tilting	< QW-420-MT >	34.1	27.15	84.0	389	Wall/Floor	UUT-1605-5	2.40 1.13	1	1 ½	2	
• DRX-Plus 4343 Detector	2272233101	46cm	46cm	1.6cm	8.2							
Wallstand, Manual Tilting	< TW-420-MT >	34.1	27.15	84.0	389	Wall/Floor	SAME	2.40 1.13	1	1 ½	2	
• DRX-Plus 4343 Detector	2272233101	46cm	46cm	1.6cm	8.2							
Wallstand, Manual Tilting	< QW-420-MT >	34.1	27.15	84.0	389	Wall/Floor	INT	2.40 1.13	1	1 ½	2	
• DRX-Plus 4343C Detector	2272233102											
• DRX-Plus 4343F Detector	2272233103											
• DRX-Plus 4343FC Detector	2272233104											
• DRX-Plus 3543 Detector	2272233001											
Wallstand, Manual Tilting	< TW-420-MT >	34.1	27.15	84.0	389	Wall/Floor	INT	2.40 1.13	1	1 ½	2	
• DRX-Plus 4343C Detector	2272233102											
• DRX-Plus 4343F Detector	2272233103											
• DRX-Plus 4343FC Detector	2272233104											
• DRX-Plus 3543 Detector	2272233001											
Wallstand, Manual Tilting	< QW-420-MT >	34.1	27.15	84.0	389	Wall/Floor	UUT-1605-6	2.40 1.13	1	1 ½	2	
• DRX-Plus 3543C Detector	2272233002	38cm	46cm	1.6cm	6.8							

Table continued next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

System Manufacturer		Carestream Health, Inc.							S _{DS} = 2.0 at z/h = 1 S _{DS} = 2.5 at z/h = 0			
System		DRX Ascend										
COMPONENT	IDENTIFICATION NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
Wallstand, Manual Tilting	< TW-420-MT >	34.1	27.15	84.0	389	Wall/Floor	SAME	2.40	1	1 ½	2	
• DRX-Plus 3543C Detector	2272233002	38cm	46cm	1.6cm	6.8			1.13				
POWER DISTRIBUTION												
Everest Generator ^[2]	QG80-16R-0979	25.4	16.7	24.1	166	Rigid Base	UUT-1605-7	1.44 1.13	1	2 ½	2	
USER INTERFACE												
Console w/ HP RP5 Model 5810 computer	DRX-1 System	19.75	14.5	8.5	34	Rigid Base	UUT-1605-8	1.44 1.13	1	2 ½	2	
Engage Flex Pro Computer (HP) ^[5]	6VD21UP#AB2	4.0	15.0	13.5	17.5	Rigid Base	UUT-2004-13	1.44 1.13	1	2 ½	2	
Z4 G4 Workstation (HP) ^[5]	1W6Y0UC#ABA	6.75	17.63	15.5	33.5	Rigid Base	UUT-2004-16	1.44 1.13	1	2 ½	2	
23" Touch Screen Monitor (Dell)	P2314T	22.4	4	16	10.7	Rigid Base	UUT-1605-9	1.44 1.13	1	2 ½	2	
		22.4	3.25	16	12.7	Wall	UUT-1605-14	1.44 1.13	1	2 ½	2	
23" Touch Screen Monitor (HP)	S230TM	23.6	4	16	12.3	Rigid Base	UUT-1605-15	1.44 1.13	1	2 ½	2	
		23.6	3.25	16	14.3	Wall	UUT-1605-10	1.44 1.13	1	2 ½	2	
23" LCD Monitor (HP) w/ Desk Mount (Peerless)	< E230t > LCT100S	20.5	7.0	18.0	9.5	CTA	UUT-2004-14	1.44 1.13	1	2 ½	2	
Wireless Access Point (D-Link)	DAP-2553	7.8	4.7	1.5	0.9	Rigid Base	UUT-1605-11	1.44 1.13	1	2 ½	2	
ET Switch (D-Link)	GO-SW-8G	5.25	3	1.2	0.7	Rigid Base	UUT-1605-12	1.44 1.13	1	2 ½	2	
Keyboard (HP)	KU-0316	18	6.75	0.75	2	Rigid Base	UUT-1605-13	1.44 1.13	1	2 ½	2	


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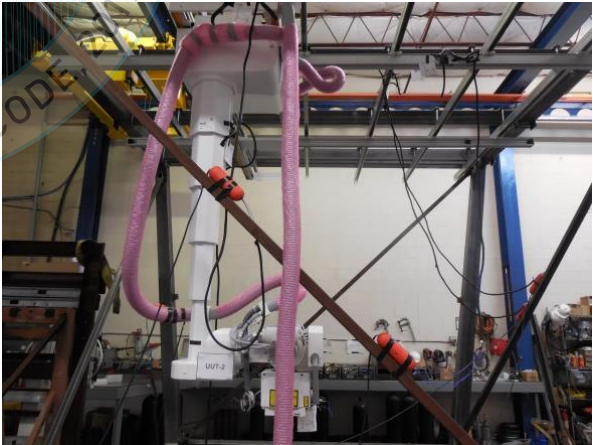
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TABLE 1:

System Manufacturer		Carestream Health, Inc.										S _{DS} = 2.0 at z/h = 1 S _{DS} = 2.5 at z/h = 0	
System		DRX Ascend											
COMPONENT	IDENTIFICATION NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	a _P	R _P	Ω ₀		
		W	D	H									
Prep Expose Switch	QV-CS-CB	5	2.75	1.3	1.5	Rigid Base	UUT-1605-16	1.44 1.13	1	2 ½	2		
Control Box w/ Switch ^[5]	AK7078	4.7	5.2	2.7	1.0	CTA	UUT-2004-15	1.44 1.13	1	2 ½	2		
Power over Ethernet (Microsemi) ^[5]	< PD-3501G/AC >	2.3	5.6	1.5	0.75	CTA	UUT-2004-17	1.44 1.13	1	2 ½	2		
Mount	<p>FLOOR (RIGID BASE): free-standing, base-mounted condition with the component rigidly attached to a supporting structure and no lateral support above the base.</p> <p>WALL: component is fully supported- both vertically and laterally – by a building wall or partition.</p> <p>CEILING (SUSPENDED): unit is anchored to and suspended from a framing system at or slightly above the ceiling line of the room</p> <p>WALL/FLOOR WALL/FLOOR: unit bears on and is anchored to the supporting floor. In addition, lateral restraint anchoring the unit to an adjacent wall or other supporting structure is provided along the height of the equipment.</p> <p>CTA (Countertop, Anchored): unit is anchored to a counter, desk, or other piece of fixed furniture.</p>												
Notes	<p>1. BASIS:</p> <ul style="list-style-type: none"> • UUT#: Indicates that a test specimen matching these characteristics was tested as part of this testing program. • SAME: Model is physically, mechanically & electrically the identical to test specimen. Difference is limited to model number, color, or software. • INT (Interpolate/Extrapolate): indicates a model that was not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line. <p>2. Requires use of Carestream Seismic Kit (P/N AE7674) or equivalent.</p> <p>3. Weight of wall stand includes grid and excludes weight of detector.</p> <p>4. Patient Table weight does not include 520 lb. simulated patient load or detector.</p> <p>5. Requires use of Carestream DRX-Ascend System Seismic Kit P/N: AL0050</p> <p>6. ##### represents a part number (P/N) as the identification number for qualified component.</p> <p>7. < ##### > represents a model number (M/N) as the identification number for the qualified component</p>												

UUT-1605-1 Overhead Tube Crane w/ 3m Bridge & Motorized Collimator									
MANUFACTURER: Carestream Health Inc.									
IDENTIFICATION: Model No.: RS-590									
DESCRIPTION: Component of DRX Ascend Digital Radiography System Manual movement along longitudinal & transverse axes. Motorized tracking on vertical axis. Tube Stand 3D V w/ 3m Bridge (Siemens) <u>Installed options include:</u> <ul style="list-style-type: none"> TUI (Carestream /Tech Vision QG-TV-IP-C) X-Ray Tube Housing (Varian Sapphire) X-Ray Tube Insert (Varian RAD-92) Collimator. Motorized (Carestream Linear MC150) 									
MOUNTING: Ceiling Mounted using: (2) – 3/8” socket head screws zinc coated w/ Unistrut channel nut w/ spring. (torque=19 ft-lb) Typ. each of 6 Unistrut support points along each Longitudinal Rail.									
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Transv-Axis	Longit.-Axis	Vert-Axis		
24.40	118.12	32.67 /103.54	765		4.16	2.95	6.16		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLEX-H} (G)	A _{RIG-H} (G)	A _{FLEX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									

UUT-1605-2 Overhead Tube Crane w/ 3m Bridge & Manual Collimator									
MANUFACTURER: Carestream Health Inc.									
IDENTIFICATION: Model No.: RS-590									
DESCRIPTION: Component of DRX Ascend Digital Radiography System Manual movement along longitudinal & transverse axes. Motorized tracking on vertical axis. Tube Stand 3D V w/ 3m Bridge (Siemens) <u>Installed options include:</u> <ul style="list-style-type: none"> TUI (Carestream /Tech Vision QG-TV-IP-C) X-Ray Tube Housing (Varian Sapphire) X-Ray Tube Insert (Varian RAD-92) Collimator. Manual (Ralco R221/A DHHS) 									
MOUNTING: Ceiling Mounted using: (2) – 3/8” socket head screws zinc coated w/ Unistrut channel nut w/ spring. (torque=19 ft-lb) Typ. each of 6 Unistrut support points along each Longitudinal Rail.									
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Transv-Axis	Longit.-Axis	Vert-Axis		
24.40	118.12	32.67 /103.54	760		4.13	3.25	13.14		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLEX-H} (G)	A _{RIG-H} (G)	A _{FLEX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									

UUT-1605-3 Patient Table w/ DRX-Plus 4343 Detector									
MANUFACTURER:		Carestream Health Inc.							
IDENTIFICATION:		Model No.: QT-750							
DESCRIPTION:		Component of DRX Ascend digital radiography system Elevating Float-Top Radiographic Table <u>Installed options:</u> <ul style="list-style-type: none"> DRX-Plus 4343 Wireless portable digital detector X-Ray Anti-Scatter Grid 520 Patient load Unit included enhancements not found on standard production units. Subsequent to testing, these modifications were collected into a manufacturer-installed option package (Carestream P/N AE7674).							
MOUNTING:		Rigid Base (Floor) mounted using: (6) - 1/2" DIA GR socket head cap screws w/ washers (Torque = 40 ft-lb)							
PROPERTIES:									
DIMENSIONS (in.)				Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Front-Axis		Side-Axis	Vert-Axis			
85.0	35.55	21.0 / 32.5	580.0	4.88	19.97	5.90			
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									



UUT-1605-4 Patient Table w/ DRX-Plus 3543C Detector									
MANUFACTURER:		Carestream Health Inc.							
IDENTIFICATION:		Model No.: QT-750							
DESCRIPTION:		Component of DRX Ascend digital radiography system Elevating Float-Top Radiographic Table <u>Installed options:</u> <ul style="list-style-type: none"> DRX-Plus 3543C Wireless portable digital detector X-Ray Anti-Scatter Grid 520 Patient load Unit included enhancements not found on standard production units. Subsequent to testing, these modifications were collected into a manufacturer-installed option package (Carestream P/N AE7674).							
MOUNTING:		Rigid Base (Floor) mounted using: (6) - 1/2" DIA GR socket head cap screws w/ washers (Torque = 40 ft-lb)							
PROPERTIES:									
DIMENSIONS (in.)				Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Front-Axis		Side-Axis	Vert-Axis			
85.0	35.55	21.0 / 32.5	580.0	4.12	23.86	6.81			
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									



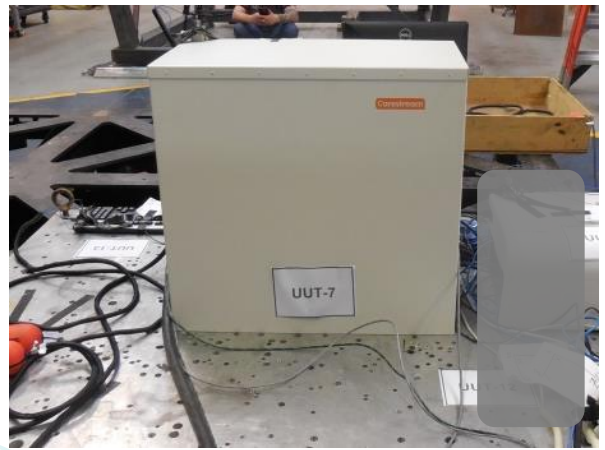
UUT-1605-5 Manual Tilting Wallstand w/ DRX-Plus 4343 Detector									
MANUFACTURER:		Carestream Health Inc.							
IDENTIFICATION:		Model No.: QW-420-MT							
DESCRIPTION:		Component of DRX Ascend digital radiography system <u>Installed options:</u> <ul style="list-style-type: none"> • DRX-Plus 4343 Wireless portable digital detector • X-Ray Anti-Scatter Grid • 4" Extension Box Unit included enhancements not found on standard production units. Subsequent to testing, these modifications were collected into a manufacturer-installed option package (Carestream P/N AE7674).							
MOUNTING:		Wall/Floor Mounted using: (4) – ½" dia GR 8 bolts to floor and (4) – 3/8" dia GR 8 bolts to wall. All bolts include washers.							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Side-Axis	Front-Axis	Vert-Axis		
34.1	27.15	84.0	389.0		5.76	7.13	10.55		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									



UUT-1605-6 Manual Tilting Wallstand w/ DRX-Plus 3543C Detector									
MANUFACTURER:		Carestream Health Inc.							
IDENTIFICATION:		Model No.: QW-420-MT							
DESCRIPTION:		Component of DRX Ascend digital radiography system <u>Installed options:</u> <ul style="list-style-type: none"> • DRX-Plus 3543C Wireless portable digital detector • X-Ray Anti-Scatter Grid • 4" Extension Box Unit included enhancements not found on standard production units. Subsequent to testing, these modifications were collected into a manufacturer-installed option package (Carestream P/N AE7674).							
MOUNTING:		Wall/Floor Mounted using: (4) – ½" dia GR 8 bolts to floor and (4) – 3/8" dia GR 8 bolts to wall. All bolts include washers.							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Side-Axis	Front-Axis	Vert-Axis		
34.1	27.15	84.0	389.0		6.03	6.79	11.59		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									

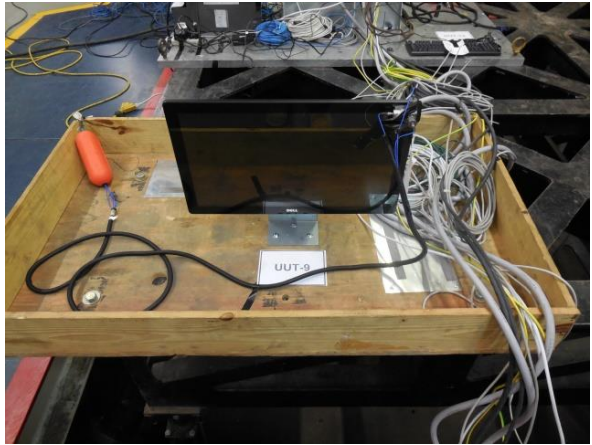



UUT-1605-7 Everest Generator									
MANUFACTURER:		Carestream Health Inc.							
IDENTIFICATION:		Model no.: QG-80G							
DESCRIPTION:		<p>Component of DRX Ascend digital radiography system High Voltage X-Ray Generator</p> <p>Unit included enhancements not found on standard production units. External braced bracket (Carestream P/N AE7038-A) mounted to the rear of the unit stiffens the cabinet and provides an additional two points for anchorage.</p>							
MOUNTING:		<p>Rigid Base (Floor) Mounted using: (6) – 1/4"-20 hex head machine screws in tapped holes of aluminum plate.</p>							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Side-Axis	Front-Axis	Vert-Axis		
25.4	16.7	24.1	166		>50	39.4	>50		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									



UUT-1605-8 Console									
MANUFACTURER:		Carestream Health Inc.							
IDENTIFICATION:		Model No.: DRX-1 System							
DESCRIPTION:		<p>Component of DRX Ascend digital radiography system Includes HP RP5 Model 5810 computer</p>							
MOUNTING:		<p>Rigid Base (Floor) Mounted using: (4) – 1/4"-20 hex head machine screws in tapped holes of aluminum plate.</p>							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Side-Axis	Front-Axis	Vert-Axis		
19.75	14.5	8.5	34		41.5	26.9	29.3		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									



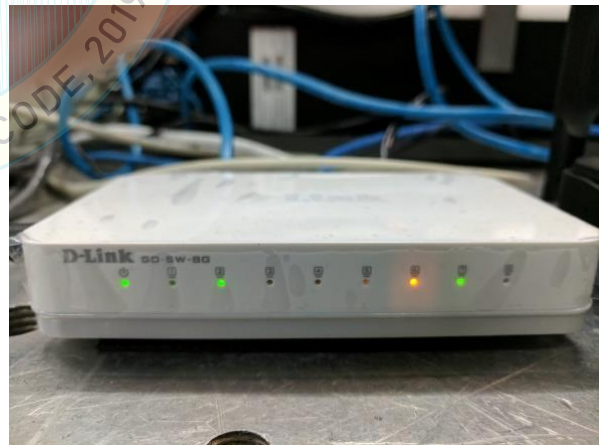
UUT-1605-9 Dell Monitor 23" LCD									
MANUFACTURER:		Dell							
IDENTIFICATION:		Model No.: P2314T							
DESCRIPTION:		Component of DRX Ascend Digital Radiography System							
MOUNTING:		Rigid Base Mounted using: Carestream-provided monitor mount (2.5mm cold formed steel) to 3/4" thick plywood base w/ (3) - 1/4" -20 hex head machine screws & washers w/ nuts & washers on back side							
									
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Side-Axis	Front-Axis	Vert-Axis		
22.4	4	16	10.7		6.6	3.9	3.9		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									

UUT-1605-10 HP 23" LCD Monitor									
MANUFACTURER:		HP							
IDENTIFICATION:		Model No.: HP S230tm							
DESCRIPTION:		Component of DRX Ascend Digital Radiography System							
MOUNTING:		Wall Mounted using: Carestream-provided monitor mount (2.5mm cold formed steel) w/ (4) 1/4" dia HWH TEK Screws through 5/8" gypsum board to 3/16" steel backing.							
									
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Side-Axis	Front-Axis	Vert-Axis		
23.6	3.25	16	14.3		14.69	8.41	8.44		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									

UUT-1605-11 Wireless Access Point									
MANUFACTURER:		D-Link							
IDENTIFICATION:		Model No.: DAP-2553							
DESCRIPTION:		Component of DRX Ascend Digital Radiography System							
MOUNTING:		Rigid Base (Floor) Mounted using: (2) lines of ½" x 4.5" 3M Dual Lock SJ3541 (TYPE 400) mated to SJ3542 (TYPE 170)							
PROPERTIES:					Note: Dimensions exclude antennas				
DIMENSIONS (in.)				Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Front-Axis		Side-Axis	Vert-Axis			
7.8	4.7	1.5	0.9	>50	43.25	>50			
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S_{DS} (G)	z/h	I_p	A_{FLEX-H} (G)	A_{RIG-H} (G)	A_{FLEX-V} (G)	A_{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									



UUT-1605-12 ET Switch									
MANUFACTURER:		D-Link							
IDENTIFICATION:		Model No.: GO-SW-8G							
DESCRIPTION:		Component of DRX Ascend Digital Radiography System							
MOUNTING:		Rigid Base (Floor) Mounted using: (2) lines of ½" x 3.5" 3M Dual Lock SJ3541 (TYPE 400) mated to SJ3542 (TYPE 170)							
PROPERTIES:					Note: Dimensions exclude antennas				
DIMENSIONS (in.)				Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Front-Axis		Side-Axis	Vert-Axis			
5.25	3	1.2	0.7	>50	>50	n/a*			
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S_{DS} (G)	z/h	I_p	A_{FLEX-H} (G)	A_{RIG-H} (G)	A_{FLEX-V} (G)	A_{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									





UUT-1605-13 Keyboard									
MANUFACTURER:		Carestream Health Inc.							
IDENTIFICATION:		Model No.: KU-0316							
DESCRIPTION:		Component of DRX Ascend Digital Radiography System							
MOUNTING:		Rigid Base (Floor) Mounted using: (2) lines of 1/2" x 5.25" 3M Dual Lock SJ3541 (TYPE 400) mated to SJ3542 (TYPE 170)							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Front-Axis	Side-Axis	Vert-Axis		
18	6.75	0.75	2		>50	>50	27.9		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									



UUT-1605-14 Dell 23" LCD Monitor									
MANUFACTURER:		Dell							
IDENTIFICATION:		Model No.: P2314T							
DESCRIPTION:		Component of DRX Ascend Digital Radiography System							
MOUNTING:		Wall Mounted using: Carestream-provided monitor mount (2.5mm cold formed steel) w/ (4) 1/4" dia HWH TEK Screws through 5/8" gypsum board to 3/16" steel backing.							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Front-Axis	Side-Axis	Vert-Axis		
22.4	3.25	16	12.7		14.40	9.62	9.68		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									



UUT-1605-15 HP 23" LCD Monitor									
MANUFACTURER:		HP							
IDENTIFICATION:		Model No.: HP S230tm							
DESCRIPTION:		Component of DRX Ascend Digital Radiography System							
MOUNTING:		Rigid Base Mounted using Carestream-provided monitor mount (2.5mm cold formed steel) to 3/4" thick plywood base w/ (3) - 1/4" -20 hex head machine screws & washers w/ nuts & washers on back side.							
									
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Front-Axis	Side-Axis	Vert-Axis		
23.6	4	16	12.3		5.68	3.36	3.34		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									

UUT-1605-16 Prep Expose Switch									
MANUFACTURER:		Carestream Health Inc.							
IDENTIFICATION:		Model No.: QV-CS-CB							
DESCRIPTION:		Component of DRX Ascend Digital Radiography System							
MOUNTING:		Rigid Base (Floor) Mounted using: (2) lines of 1/2" x 4.75" 3M Dual Lock SJ3541 (TYPE 400) mated to SJ3542 (TYPE 170)							
									
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Front-Axis	Side-Axis	Vert-Axis		
5	2.75	1.3	1.5		>50	>50	>50		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2016	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement after AC156 test.									

UUT-2004-13 Engage Flex Pro Computer									
MANUFACTURER:		HP							
IDENTIFICATION:		Part No.: 6VD21UP#AB2 Serial No.: 4CE02418BL							
DESCRIPTION:		Component of Carestream DRX-EVOLUTION PLUS & DRX-ASCEND systems Requires use of either: DRX-Ascend System Seismic Kit P/N: AL0050 -or- DRX-Evolution Plus System Seismic Kit P/N: AL0049							
MOUNTING:		Rigid Base (Floor) mounted using (2) ½" SAE J429 Grade 5 bolts into threaded aluminum plate through Carestream provided mounting bracket.							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Front-Axis	Side-Axis	Vert-Axis		
4.0	15.0	13.5	17.5		27.58	17.52	12.91		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2019	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement.									



UUT-2004-14 23" LCD Monitor w/ Mount									
MANUFACTURER:		HP							
IDENTIFICATION:		Model No.: E230t Serial No.: 6CM9232290							
DESCRIPTION:		Component of Carestream DRX-EVOLUTION PLUS & DRX-ASCEND systems w/ Desk Mount Peerless P/N: LCT100S							
MOUNTING:		Countertop anchored using Peerless desk mount hardware consisting of M10 thru bolt w/ nut and grommet.							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Front-Axis	Side-Axis	Vert-Axis		
20.5	7.0	18.0	9.5		15.33	11.80	15.91		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2019	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement.									




UUT-2004-15 Control Box w/ Switch									
MANUFACTURER:		Carestream							
IDENTIFICATION:		Part No.: AK7078 Serial No.: None							
DESCRIPTION:		<p>Component of Carestream DRX-ASCEND system</p> <p>Includes Control Box which is countertop mounted and a switch that is mounted to a holder which is countertop mounted.</p> <p>Requires mounting bracket which is included in DRX-Ascend System Seismic Kit P/N: AL0050</p>							
MOUNTING:		Countertop (attached) mounted using (2) #10 Teks screws to 3/4" plywood base for control box and (2) #6 x 3/4" wood screws to wood base for switch holder.							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis			
4.7	5.2	2.7	1.0	16.20	> 50	12.30			
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2019	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement.									



UUT-2004-16 Z4 G4 Workstation 2									
MANUFACTURER:		HP							
IDENTIFICATION:		Part No.: 1W6Y0UC#ABA Serial No.: MXL0293KJG							
DESCRIPTION:		<p>Component of Carestream DRX-EVOLUTION PLUS & DRX-ASCEND systems</p> <p>Requires use of either: DRX-Ascend System Seismic Kit P/N: AL0050 -or- DRX-Evolution Plus System Seismic Kit P/N: AL0049</p>							
MOUNTING:		Rigid Base (Floor) mounted using (4) 1/2" SAE J429 Grade 5 bolts into threaded aluminum plate through Carestream provided mounting bracket.							
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis			
6.75	17.63	15.5	33.5	17.9	17.52	> 50			
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
CBC 2019	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement.									



UUT-2004-17 Power over Ethernet								
MANUFACTURER:	Microsemi							
IDENTIFICATION:	Model No.: PD-3501G/AC Serial No.: C20156555000001551							
DESCRIPTION:	Component of Carestream DRX-ASCEND system Requires mounting bracket which is included in DRX-Ascend System Seismic Kit P/N: AL0050							
MOUNTING:	Countertop (attached) mounted using (2) #10 Teks screws into 3/4" plywood base							
								
PROPERTIES:								
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis		
2.3	5.6	1.5	0.75	18.11	> 50	12.58		
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S _{Ds} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
CBC 2019	ICC-ES AC156	2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68
Unit maintained structural integrity and remained functional per manufacturer requirement.								

