



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0568

HCAI Special Seismic Certification Preapproval (OSP)

Type: [] New [X] Renewal

Manufacturer Information

Manufacturer: Fujifilm Medical Systems USA, Inc.

Manufacturer's Technical Representative: Dan Alvarez

Mailing Address: 419 West Avenue, Stamford, CT 06902

Telephone: (203) 363-3373 Email: dalvarez@fujifilm.com

Product Information

Product Name: FDR D-Evo Suite II

Product Model Number(s): FDR D-Evo Suite II

Product Category: Fluoroscopy and Radiography Systems

Product Sub-Category: NA

General Description: Multiple component medical diagnostic imaging system. Special Seismic Certification is limited to the system components listed in Table 1.

Mounting Description: See Certified Product Tables, -; 06/12/2024

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





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION**

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

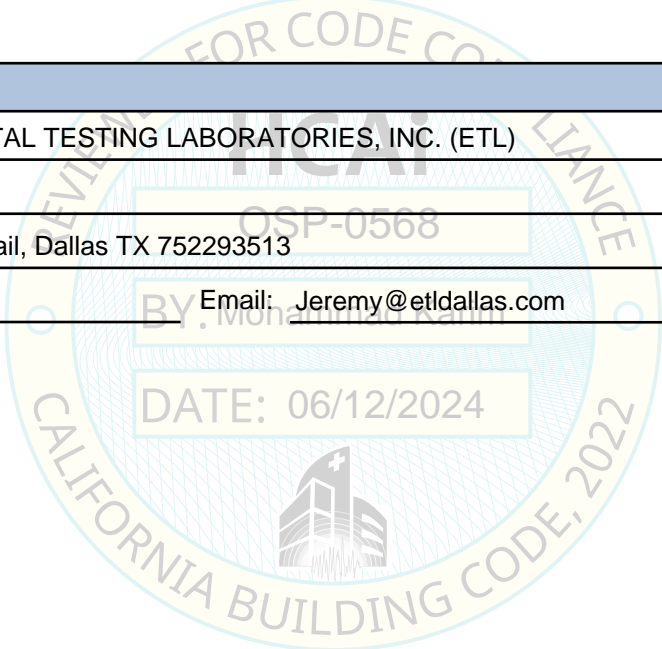
Company Name: EASE LLC
Name: Jonathan Roberson California License Number: S4197
Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709
Telephone: (951) 295-1892 Email: jon@EASECo.com

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: Jeremy Lange
Mailing Address: 11034 Indian Trail, Dallas TX 752293513
Telephone: (972) 247-9657 Email: Jeremy@etldallas.com



"A healthier California where all receive equitable, affordable, and quality health care"



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = See Attachment 1

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

a_p (Amplification factor) = See Attachment 1

R_p (Response modification factor) = See Attachment 1

Ω_0 (System overstrength factor) = See Attachment

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 2

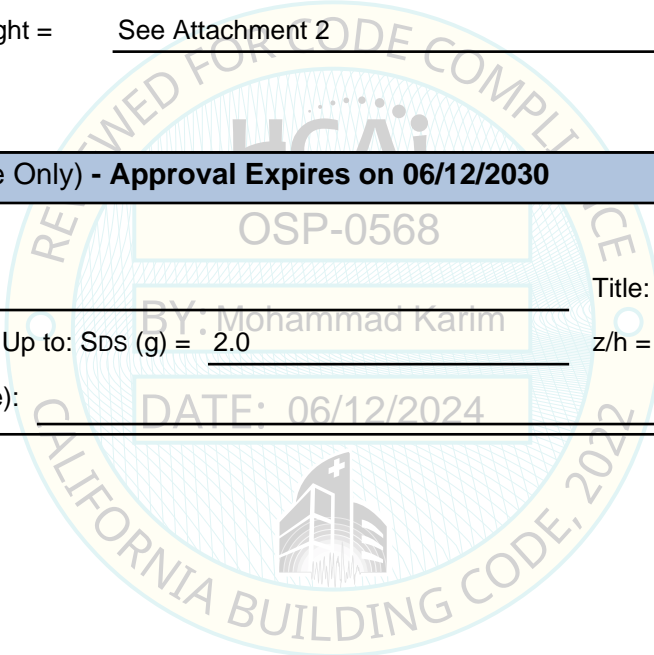
HCAI Approval (For Office Use Only) - Approval Expires on 06/12/2030

Date: 6/12/2024

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.0 z/h = 1

Condition of Approval (if applicable): DATE: 06/12/2024



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:

System Mfr	Fujifilm Medical Systems USA, Inc. & Siemens Healthcare GmbH															
System	FDR D-EVO Suite II															
Component	Fujifilm Part No.	OEM Part No.	Mfr	Dimensions (in.)			Approx. Wt. (lb.)	Mount	Basis [1]	F _p /W _p	S _{DS}	z/h	A _p	R _p	Ω ₀	
				W	D	H										
PATIENT TABLES																
RAD CM Table Moving Grid including:	800021530	10273220 10273204	Siemens	31.5	94.84	20.3 / 37.6	917 [2]	Rigid Base	1804-1 [4]	2.40 1.13	2.0 2.5	1 0	1	1 ½	1 ½	
D-EVO II CSI 17X17 FPD	16477059	DR-ID 1212SE	Fujifilm	18.11	18.11	0.59	7.05									
RAD CM Table Moving Grid including any of the following:	800021530	10273220 10273204	Siemens	31.5	94.84	20.3 / 37.6	917	Rigid Base	INT [4]	2.40 1.13	2.0 2.5	1 0	1	1 ½	1 ½	
FDR D-EVO II G35 14X17 FPD	16475685	DR-ID 1201SE	Fujifilm	18.11	15.12	0.59	5.7									
FDR D-EVO II GOS 17X17 FPD	16476976	DR-ID 1202SE	Fujifilm	18.11	18.11	0.59	7.1									
FDR D-EVO II CSI 14X17 FPD	16477023	DR-ID 1211SE	Fujifilm	18.11	15.12	0.59	5.7									
FDR D-EVO III CSI 14X17 FPD	16679827	DR-ID 1811 SE	Fujifilm	18.1	15.1	0.6	5.2									
FDR D-EVO III CSI 17x17 FPD	16679841	DR-ID 1812 SE	Fujifilm	18.1	18.1	0.6	6									
RAD CS Table Stationary Grid including any of the following:	800021477	10273205	Siemens	31.5	94.84	20.3 / 37.6	847	Rigid Base	INT [4]	2.40 1.13	2.0 2.5	1 0	1	1 ½	1 ½	
FDR DEVO II G35 14X17 FPD	16475685	DR-ID 1201SE	Fujifilm	18.11	15.12	0.59	5.7									
FDR D-EVO II CSI 14X17 FPD	16477023	DR-ID 1211SE	Fujifilm	18.11	15.12	0.59	5.7									
FDR D-EVO II CSI 17X17 FPD	16477059	DR-ID 1212SE	Fujifilm	18.11	18.11	0.59	7.1									
FDR D-EVO III CSI 14X17 FPD	16679827	DR-ID 1811 SE	Fujifilm	18.1	15.1	0.6	5.2									
FDR D-EVO III CSI 17x17 FPD	16679841	DR-ID 1812 SE	Fujifilm	18.1	18.1	0.6	6									
RAD CS Table Stationary Grid including:	800021477	10273205	Siemens	31.5	94.84	20.3 / 37.6	847 [2]	Rigid Base	1804-2 [4]	2.40 1.13	2.0 2.5	1 0	1	1 ½	1 ½	
D-EVO II GOS 17X17 FPD	16476976	DR-ID 1202SE	Fujifilm	18.11	18.11	0.59	7.1									
X-RAY TUBE SUSPENSIONS																
MTZ OTC 3D V ACSS TT STITCHING including:	800047350	7042083	Siemens	167.3	119.3	32.7 / 103.6	729	Ceiling	1804-3 [4]	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2	
Carriage 3D V3m semi		7043578														
Collimator ALO2 II eL		800021535														10092614
Optitop 150/40/80C-100		800016499														4802349
MTZ OTC 3D V ACSS TT STITCHING including:	800047350	7042083	Siemens	167.3	172	32.7 / 103.6	774	Ceiling	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2	
Carriage 3D V4m semi		7043586														
Collimator ALO2 II eL		800021535														10092614
Optitop 150/40/80C-100		800016499														4802349

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System Mfr	Fujifilm Medical Systems USA, Inc. & Siemens Healthcare GmbH															
System	FDR D-EVO Suite II															
Component	Fujifilm Part No.	OEM Part No.	Mfr	Dimensions (in.)			Approx. Wt. (lb.)	Mount	Basis ^[1]	F _p /W _p	S _{DS}	z/h	A _p	R _p	Ω ₀	
				W	D	H										
MTZ Ceiling Stand 3D V ACSS T including:	800021532	7042042	Siemens	167.3	172	32.7 / 103.6	815	Ceiling	INT	3.60 / 1.50	2.0 / 2.5	1 / 0	2 ½	2 ½	2	
Carriage 3D V4m semi		7043586														
Collimator ALO2 II eL		800021535														10092614
Optitop 150/40/80C-100		800016499														4802349
MTZ Ceiling Stand 3D V ACSS T including:	800021532	7042042	Siemens	167.3	119.3	32.7 / 103.6	770	Ceiling	SAME (351302-6)	3.60 / 1.50	2.0 / 2.5	1 / 0	2 ½	2 ½	2	
Carriage 3D V3m semi		7043578														
Collimator ALO2 II eL		800021535														10092614
Optitop 150/40/80C-100		800016499														4802349
MTZ Ceiling Stand 3D V ACSS w/ 3m Bridge	-	7042166	Siemens	167.3	119.3	32.7 / 103.6	770	Ceiling	351302-6	3.60 / 1.50	2.0 / 2.5	1 / 0	2.5	2 ½	2	
3D Stand Ysio Fully-motorized w/ 4m Transverse Track, Fully Automated ^[5]	-	7042224	Siemens	167.3	172	32.7 / 103.6	888	Ceiling	351204-1	3.60 / 1.50	2.0 / 2.5	1 / 0	2.5	2 ½	2	
WALL STANDS																
RAD WS 04 ACSS Lt Tilt Moving grid including:	800021531	10681563	Siemens	30	28.1 / 36.8	82.9	504	Rigid Base	1804-4	2.40 / 1.13	2.0 / 2.5	1 / 0	1	1 ½	1 ½	
FDR D-EVO II CSI 17X17 FPD	16477059	DR-IR 1212SE	Fujifilm	18.11	18.11	0.59	7.1									
RAD WS 04 ACSS Lt Tilt Moving grid including:	800021531	10681563	Siemens	30	28.1 / 36.8	82.9	504	Rigid Base	INT	2.40 / 1.13	2.0 / 2.5	1 / 0	1	1 ½	1 ½	
FDR D-EVO III CSI 14X17 FPD	16679827	DR-ID 1811 SE	Fujifilm	18.1	15.1	0.6	5.2									
FDR D-EVO III CSI 17x17 FPD	16679841	DR-ID 1812 SE	Fujifilm	18.1	18.1	0.6	6									
FDR D-EVO II CSI 14X17 FPD	16477023	DR-ID 1211 SE	Fujifilm	18.1	15.1	0.6	6									
RAD WS 04 ACSS Rt Tilt Moving grid including any of the following:	800021537	10681652	Siemens	30	28.1 / 36.8	82.9	504	Rigid Base	INT	2.40 / 1.13	2.0 / 2.5	1 / 0	1	1 ½	1 ½	
FDR D-EVO III CSI 14X17 FPD	16679827	DR-ID 1811 SE	Fujifilm	18.1	15.1	0.6	5.2									
FDR D-EVO III CSI 17x17 FPD	16679841	DR-ID 1812 SE	Fujifilm	18.1	18.1	0.6	6									
FDR D-EVO II CSI 14X17 FPD	16477023	DR-ID 1211 SE	Fujifilm	18.1	15.1	0.6	6									
FDR D-EVO II CSI 17X17 FPD	16477059	DR-ID 1212 SE	Fujifilm	18.11	18.11	0.59	7.1									

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System Mfr	Fujifilm Medical Systems USA, Inc. & Siemens Healthcare GmbH														
System	FDR D-EVO Suite II														
Component	Fujifilm Part No.	OEM Part No.	Mfr	Dimensions (in.)			Approx. Wt. (lb.)	Mount	Basis ^[1]	F _p /W _p	S _{DS}	z/h	A _p	R _p	Ω ₀
				W	D	H									
SMNS STA MOT TLT WALL STAND including:	800047348	10681703	Siemens	30	28.1 / 36.8	82.9	524	Rigid Base	INT	2.40 / 1.13	2.0 / 2.5	1 / 0	1	1 ½	1 ½
FDR D-EVO III CSI 14X17 FPD	16679827	DR-ID 1811 SE	Fujifilm	18.1	15.1	0.6	5.2								
FDR D-EVO III CSI 17x17 FPD	16679841	DR-ID 1812 SE	Fujifilm	18.1	18.1	0.6	6								
FDR D-EVO II CSI 14X17 FPD	16477023	DR-ID 1211 SE	Fujifilm	18.1	15.1	0.6	6								
SMNS STA MOT TLT WALL STAND including:	800047348	10681703	Siemens	30	28.1 / 36.8	82.9	524	Rigid Base	1804-5	2.40 / 1.13	2.0 / 2.5	1 / 0	1	1 ½	1 ½
FDR D-EVO II CSI 17X17 FPD	16477059	DR-ID 1212SE	Fujifilm	18.11	18.11	0.59	7.1	Rigid Base	2301-6	2.40 / 1.13	2.0 / 2.5	1 / 0	1	1 ½	1 ½
RAD WS TR CS stationary grid including:	800050730	10681700	Siemens	30	34	85	518								
FDR D-EVO III CSI 17x17 FPD	16679841	DR-ID 1812 SE	Fujifilm	18.1	18.1	0.6	6								
X-RAY GENERATOR															
Polydoros RF RAD 80 Digital Generator	800021435	10307360	Siemens	22.5	50	21.4	424	Rigid Base	351302-1	1.44 / 1.13	2.0 / 2.5	1 / 0	1	2 ½	2
Membrane Control Console	800021615	5760157	Siemens	9.25	10.25	2.7	3.5	Rigid Base	1804-9	1.44 / 1.13	2.0 / 2.5	1 / 0	1	2 ½	2
CONSOLE & USER INTERFACE															
FDX Console ^[7]	800052743	HP Elite SFF G9 1312100	HP	13.3	12.1	3.9	11.5	Rigid Base	2301-10	1.44 / 1.13	2.0 / 2.5	1 / 0	1	2 ½	2
FDX Console Package (Computer Tower)	800017022	-	HP	13.3	12.1	3.9	12	Rigid Base	1804-6	1.44 / 1.13	2.0 / 2.5	1 / 0	1	2 ½	2
LCD Monitor 19" w/ Peerless monitor mount	800049107 / 800053530	MDRC-1219 / LCT100S	Barco / Peerless	16.2	10	18.5	10.6	Rigid Base	2301-11	1.44 / 1.13	2.0 / 2.5	1 / 0	1	2 ½	2
MISC															
Wireless Access Point	800050943	DAP-2610	D-Link	6.69	6.69	1.1	0.7	WALL	2301-12	1.44 / 1.13	2.0 / 2.5	1 / 0	1	2 ½	2
Wireless Access Point	800048987	AP-303: APIN0303	Aruba	5.9	5.9	1.4	0.6	CTA	2301-13	1.44 / 1.13	2.0 / 2.5	1 / 0	1	2 ½	2
DEVO II MP PS DR-ID 1200 MP E Detector power supply including:	16441294	-	Fujifilm	4.72	15.5	14.2	22	Rigid Base	1804-7 ^[3]	1.44 / 1.13	2.0 / 2.5	1 / 0	1	2 ½	2
Wireless Access Point	-	SX-AP-4800AN2	Silex	6.1	4.7	1.3 + Antenna									
Cable box D-EVO II MP	800044870	-	Fujifilm	6	19	5									


Table continues next page


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System Mfr	Fujifilm Medical Systems USA, Inc. & Siemens Healthcare GmbH															
System	FDR D-EVO Suite II															
Component	Fujifilm Part No.	OEM Part No.	Mfr	Dimensions (in.)			Approx. Wt. (lb.)	Mount	Basis ^[1]	F _p /W _p	S _{DS}	z/h	A _p	R _p	Ω ₀	
				W	D	H										
DR-ID 1200PB E Detector power supply ^[8]	16507153	DR-ID 1200PB	Fujifilm	8	2.8	10.2	7	WALL	2301-14	1.44 1.13	2.0 2.5	1 0	1	2 ½	2	
DR-ID 1200PB E Detector power supply and interface including:	16507153	DR-ID 1200PB	Fujifilm	8	2.8	10.2	9.5	Wall	1804-8	1.44 1.13	2.0 2.5	1 0	1	2 ½	2	
Wireless Access Point	-	SX-AP-4800AN2	Silex	6.1	1.25	4.7 + Antenna										
Mount	<p>RIGID BASE (FLOOR) MOUNT: free-standing, base-mounted tower configuration with the component rigidly attached to a supporting structure and no lateral support above the base.</p> <p>WALL MOUNT component fully supported by a building wall structure.</p> <p>CEILING (SUSPENDED): unit is anchored to and suspended from a rigid framing system at or slightly above the ceiling line of the room.</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. • INT (Interpolated or Extrapolated): indicates a model not specifically tested, by which seismic certification is established through evaluation of testing of other, similar models in the product line. • SAME <p>2. Patient Table weight excludes 528 lb. simulated patient load present during testing.</p> <p>3. Cable box case modified prior to test.</p> <p>4. Requires modification(s) made to detector trays of UUT 1804-2 & UUT 1804-4.</p> <p>5. <i>Gray italic formatting indicates unit is not a component of system and used as basis for seismic qualification only.</i></p> <p>6. For components manufactured by Siemens, the Fujifilm Part No. is the identification number assigned by Fujifilm to the indicated Siemens Part No..</p> <p>7. FDX Console requires use of Fujifilm seismic kit, FDX Console Seismic Kit Part No. 800053539.</p> <p>8. DR-ID 1200PB E Detector power supply requires use of Fujifilm seismic kit, Power Box Mounting Bracket Part No. 800053545.</p>															

ATTACHMENT 2: TEST SPECIMEN SUMMARY

1804-1 Patient Table w/ CSI Detector						
MANUFACTURER: Siemens Healthcare GmbH & Fujifilm Corporation						
IDENTIFICATION: 10273204 (Table) / DR-ID 1212SE (Detector)						
DESCRIPTION: Component of the FDR D-EVO Suite II System. RAD CM Table (RADIographic Cassette Moving-grid Table) Elevating float top radiographic patient table D-EVO II CSI 17X17 DR-ID 1212SE image receptor. 17"x17" Cesium Iodide digital flat panel sensor. Siemens AG Moving (reciprocating) Grid Model: 10273590 528lb patient load						
MOUNTING: <u>Rigid Base (Floor) mounted</u> using (4) – 5/8" diameter SAE J429 Grade 8 bolts to aluminum interface plate						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
31.5	94.84	33	911.3 +7 Detector + 6 Grid + Patient	26.3	3.5	9.7
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

1804-2 Patient Table w/ GOS Detector						
MANUFACTURER: Siemens Healthcare GmbH & Fujifilm Corporation						
IDENTIFICATION: 10273205 (Table) / DR-ID 1202SE (Detector)						
DESCRIPTION: Component of the FDR D-EVO Suite II System. RAD CS Table (RADIographic Cassette Stationary-grid Table) Elevating float top radiographic patient table. D-EVO II GOS 17X17 FPD DR-IR 1202SE image receptor. 17"x17" Gadolinium Oxysulfide digital flat panel sensor Siemens AG Stationary Grid. Model: 08404456 528 patient load. Detector tray modified for test.						
MOUNTING: <u>Rigid Base (Floor) mounted</u> using (4) – 5/8" diameter SAE J429 Grade 8 bolts to aluminum interface plate						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
31.5	94.84	33	841 + 7 detector + 6 Grid + Patient	37.6	4.1	9.2
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

ATTACHMENT 2: TEST SPECIMEN SUMMARY


1804-3 Ceiling Stand w/ 3m Bridge						
MANUFACTURER:		Siemens Healthcare GmbH				
IDENTIFICATION:		MTZ OTC 3D V ACSS TT STITCHING		7042083		
		Carriage 3D V3m Semi		7043578		
		Collimator ALO2 II EI		10092614		
		Optitop 150/40/80C – 100 (X-Ray Tube)		04802349		
DESCRIPTION:		Component of the FDR D-EVO Suite II System. Ceiling suspended x-ray tube stand for general radiographic studies. 3-meter bridge Includes image stitching option.				
MOUNTING:		<u>Ceiling Suspended.</u> Longitudinal rails attached to Unistrut P1001 using (2) – M10-Class 8.8 Socket Head Cap Screws & Unistrut channel nuts w/ springs through Siemens rail clip assembly. Typ. each of (6) – Unistrut P1001 supports spaced 26" oc along each longitudinal rail. (12 locations/24 bolts total). Unistrut P1001 span 41" between HSS6x2x1/4 beams.				
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longitudinal -Axis	Transverse -Axis	Vert-Axis
167.3	119.3	71		N/A	N/A	N/A
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						




1804-4 RAD WS 04 ACSS Lt Tilt Moving Grid						
MANUFACTURER:		Siemens Healthcare GmbH & Fujifilm Corporation				
IDENTIFICATION:		10681653 (Wall Stand) / DR-ID 1212SE (Detector)				
DESCRIPTION:		Component of the FDR D-EVO Suite II System. RAD WS 04 ACSS Lt Tilt Moving Grid. Wall stand for general radiographic. Operates on 24VDC provided by the generator's PSU. Removable, portable detector. Tethered within bucky, wireless outside. Detector: D-EVO II CSI 17X17 FPD DR-IR 1212 Moving (Reciprocating) Grid / Left-hand cassette loading. Model 10273591, Serial No: 2064				
MOUNTING:		<u>Rigid Base (Floor) Mounted</u> using (4) – 0.75" diameter SAE J429 Grade 8 bolts.				
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
30	28.1	82.9		510 + 7 Detector	7.7	12.8
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

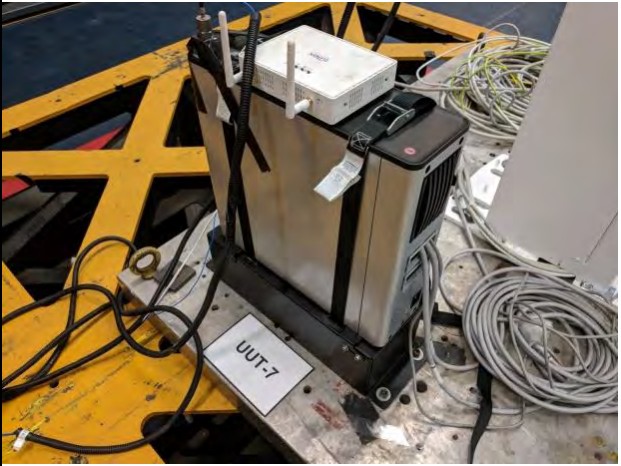



ATTACHMENT 2: TEST SPECIMEN SUMMARY

1804-5 SMNS STA MOT TLT Wall Stand						
MANUFACTURER: Siemens Healthcare GmbH & Fujifilm Corporation						
IDENTIFICATION: 10681703 (Wall Stand) / DR-ID 1212SE (Detector)						
DESCRIPTION: Component of the FDR D-EVO Suite II System. SMNS STA MOT TLT WALL STAND Wall stand for general radiographic and stitched studies. Operates on 24VDC provided by the generator's PSU. Includes motor for vertical movement (part of stitching option). Fixed, tethered detector. Detector: D-EVO II CSI 17X17 FPD DR-ID 1212SE Stationary Grid / Right-hand loading / stitching						
MOUNTING: Rigid Base (Floor) Mounted using (4) – 0.75" diameter SAE J429 Grade 8 bolts.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
30	28.1	82.9	524 + 7 detector	9.9	12.9	10.2
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


1804-6 FDX Console Package						
MANUFACTURER: Hewlett Packard						
IDENTIFICATION: 800017022						
DESCRIPTION: Component of the FDR D-EVO Suite II System. Application workstation for general radiography operating on standard 120V outlet. HP EliteDesk 800 G3 SFF Business PC Intel I5 processor Model: TPC-F100-SF						
MOUNTING: Rigid Base (Floor) Mounted using (2) – Aluminum L-brackets 1.5" x 1.5" x 1/8" x 10" long each w/ (2) – rows 1" x 6" 3M brand Dual Lock SJ3550 Reclosable Fasteners to sides of cabinet and (2) – #8-15 x 1.5" Tek screws through 3/4" plywood.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
13.3	12.1	3.94	12 w/ Brackets	>50	>50	46.3
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


ATTACHMENT 2: TEST SPECIMEN SUMMARY

1804-7 DEVO II MP PS DR-ID 1200 MP E w/ Wireless Access Point on Cable Box						
MANUFACTURER: Fujifilm Corporation & Silex Technology, Inc.						
IDENTIFICATION: 16441294 (Power Supply) 800047085 (WAP) 800044870 (Cable Box)						
DESCRIPTION: Component of the FDR D-EVO Suite II System Fujifilm DEVO II MP PS DR-ID 1200 MP Detector power supply and interface. Silex Technology Inc. Wireless Access Point (Model No. SX-AP-4800AN2) cable storage box.						
MOUNTING: Rigid Base (Floor) mounted using (4) – 3/8" dia. ASTM A574 socket head cap screws anchoring cable box to test fixture. DEVO II MP PS secured to cable box with (2) 1" wide cam buckle straps (200 lb WLL) looped through slots cut in top of cable box and cinched tight to prevent motion in any direction. WAP attached to top of DEVO II MP PS with (2) lines 1"x3" 3M Dual Lock SJ3550 reclosable fasteners.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
6	19	20.5	22	18.9	43.2	47.6
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


1804-8 DR-ID 1200PB w/ Wireless Access Point						
MANUFACTURER: Fujifilm Corporation & Silex Technology Inc.						
IDENTIFICATION: Model No.: See Below						
DESCRIPTION: Component of the FDR D-EVO Suite II System. Fujifilm DR-ID 1200PB Detector power supply and interface (Model No. 16507153) Silex Technology Inc. Wireless Access Point (Model No. SX-AP-4800AN2)						
MOUNTING: Wall Mounted using: (2) – Aluminum L-brackets 1.5"x1.5"x1/8" each w/ (2) – M3-0.5x12mm machine screws to DR-ID 1200PB & (2) – #12 Tek screws through 5/8 gypsum wallboard to 16ga. steel backing plate spanning between 400S162-54 steel studs spaced 16" oc. WAP attached PB w/ WAP attached to front face of DR-ID 1200PB with (2) lines 1"x3" 3M Dual Lock SJ3550 reclosable fasteners.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side - Axis	Front - Axis	Vert (Z) - Axis
8	4.1	10.2+ Antenna	9.5	N/A	N/A	N/A
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


ATTACHMENT 2: TEST SPECIMEN SUMMARY

1804-9 Membrane Control Console						
MANUFACTURER: Siemens AG						
IDENTIFICATION: 05760157						
DESCRIPTION: Component of the FDR D-EVO Suite II System. Generator and X-ray control.						
MOUNTING: Rigid Base (Floor) Mounted using (2) – rows 1" x 5" Velcro Brand Extreme Outdoor hook & loop tape applied to underside of unit to aluminum interface plate. Rows spaced 6" on center.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis
9.25	10.13	2.63	3.5	>50	43.6	44.7
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


351204-1 TUBE SUPPORT W/ 4 M TRANSVERSE TRACK, FULLY AUTOMATED						
MANUFACTURER: Siemens Healthcare						
IDENTIFICATION: X-Ray Tube Stand 10092609 4m Fully Automated Bridge 7042224						
DESCRIPTION: Component of Siemens YSIO radiographic X-Ray system						
MOUNTING: Ceiling suspended w/ (2) – M10 bolt w/ P1008M10 channel nut to Unistrut P1000 supports at (5) locations along ea. of (2) longitudinal rails. (20 bolts total).						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
167.3	172	60	887.5	N/A	N/A	N/A
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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 2.6	1.0 0.0	1.5	3.20	2.40	1.74	0.70
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


ATTACHMENT 2: TEST SPECIMEN SUMMARY

351302-1 Polydoros RF RAD 80 Generator Cabinet						
MANUFACTURER: Siemens Healthcare						
IDENTIFICATION: 10307360						
DESCRIPTION: Component of the Siemens Multix Fusion System and 80 kW X-Ray generator cabinet Includes High Voltage Tank (Siemens Model No. 10606040)						
MOUNTING: Rigid Base (Floor) Mounted using: (4)-3/8" diam. Allen Head Cap Screws w/ washers to interface plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
22.5	50	21.4	424	32.6	31.9	12.3
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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 2.6	1.0 0.0	1.5	3.20	2.40	1.74	0.70
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


351302-6 3M Transverse Bridge and X-Ray Tube Stand						
MANUFACTURER: Siemens Healthcare						
IDENTIFICATION: See below						
DESCRIPTION: Component of Multix Fusion System 3D V Ceiling Stand ACSS T 3m: 7042166 Carriage 3D V 3m semi 7043578 Tube stand 3D V ACSS T 7042042 Collimator AL02 II eL 10092614 Optitop 150/40/80HC-100 3345209						
MOUNTING: Ceiling Suspended using (2) – M10 bolts @ (5) locations along each longitudinal rail to Unistrut P1000 supports. (20 bolts total)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
167.3	119.3	71	632 + 118 Rails	N/A	N/A	N/A
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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 2.6	1.0 0.0	1.5	3.20	2.40	1.74	0.70
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

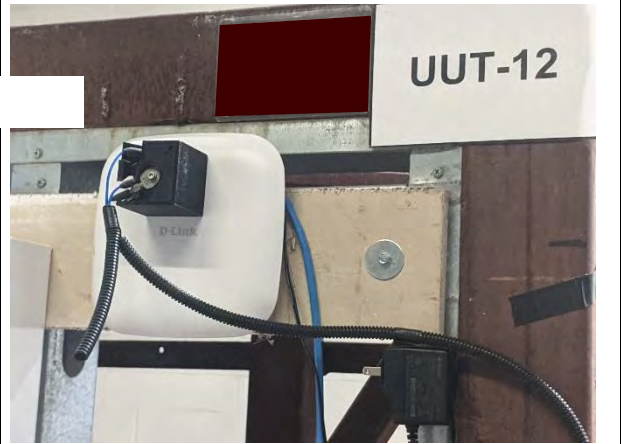
ATTACHMENT 2: TEST SPECIMEN SUMMARY

2301-6 RAD WS TR CS (Wallstand)						
MANUFACTURER: Siemens Healthcare GmbH & Fujifilm Corporation						
IDENTIFICATION: Wall stand Model No.: 10681700 (Siemens) Serial No.: 3015 Grid Part No.: 08404464 <u>Image Receptor</u> Part No.: 16679841 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF PREMIUM+ system RAD WS TR CS Wallstand, including: Stationary grid, FUJIFILM D-EVO III CSI 17x17 removable detector [FUJIFILM DR-ID 1812 SE] Requires use of Fujifilm seismic kit, SMS TR/TL CS Seismic Spring Kit Part No. 800053540.						
MOUNTING: Rigid Base (Floor) mounted using (4) – 3/4" diameter SAE J429 Grade 8 bolts positioned in center of slots to aluminum interface plate (Torque = 110 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X) - Axis	F/B (Y) - Axis	Vert (Z) - Axis
30.0	34.0	85.0	518 + 6(detector)	8.9	11.8	9.8
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

2301-10 FDX Console						
MANUFACTURER: Hewlett Packard						
IDENTIFICATION: Product No. 76C04PP#ABA (HP) Serial No.: MXL2415BYG Model No.: 800052743 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF PREMIUM+ system Application workstation for general radiography operating on standard 120V outlet. HP Elite SFF G9 i312100 Desktop PC 8GB/1TB require use of Fujifilm seismic kit, FDX Console Seismic Kit Part No. 800053539						
MOUNTING: <u>Countertop Anchored (CTA)</u> using: (2) - 1.5"x1.5" x 3/32" x 10" steel FUJIFILM mounting brackets. Each bracket secured with: <ul style="list-style-type: none"> 1"W x 9" L 3M SJ3550 Dual Lock reclosable fastener to cabinet. (2) - #8 x 1.25" coarse auger thread construction screws to 3/4" plywood. 						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
13.3	12.1	3.9	11.5 w/ brackets	34.8	46.1	34.1
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


ATTACHMENT 2: TEST SPECIMEN SUMMARY


2301-11 19" LCD Monitor						
MANUFACTURER: Barco						
IDENTIFICATION: Part No.: MDRC-1219-TS (OEM) Serial No.: 220706 Part No.: 80049107 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF PREMIUM+ system 19" Color LCD Monitor Peerless-AV model LCT100S desktop monitor mount						
MOUNTING: <u>Countertop Anchored (CTA)</u> using Peerless-AV model LCT100S desktop monitor mount w/ M10 threaded stud, Peerless grommet and hex nut.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X) - Axis	F/B (Y) - Axis	Vert (Z) - Axis
16.2	10	18.5	8.6 w/o Mount 10.6 w/ Mount	11.8	13.4	12.5
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

2301-12 Wireless Access Point (D-Link)						
MANUFACTURER: D-Link						
IDENTIFICATION: Part No.: BAP2610LNA...A1 (OEM) Serial No.: SYT122000056 Part No.: 80050943 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF Premium + D-Link DAP-2610 Wireless Access Point						
MOUNTING: <u>WALL MOUNTED</u> using D-Link mounting bracket w/ (2) - #8 x 1.625" self-drilling lath screws through 5/8" gypsum wallboard to 16 ga steel backing plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
6.7	6.7	1.1	0.7	N/A	N/A	N/A
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 9 OF 9

2301-13 Wireless Access Point (Aruba)						
MANUFACTURER: Aruba						
IDENTIFICATION: Part No.: APIN0303 (OEM) Serial No.: PHLVK9T0LF Part No. 800048987 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF Premium + Aruba AP-303-US						
MOUNTING: Countertop Anchored (CTA) using (2) lines of 1" W x 2" L 3M SJ3550 CF Dual Lock tape separated 3" center-to-center.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
5.9	5.9	1.4	0.6	21.5	46.1	33.3
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT 2301-14 DR-ID 1200PB DATE: 06/12/2024						
MANUFACTURER: FUJIFILM Corporation.						
IDENTIFICATION: Model No.: DR-ID 1200PB Serial No.: 26728688 Part No. 16507153 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF Premium + DR-ID 1200PB detector power supply. Requires use of Fujifilm seismic kit, Power Box Mounting Bracket Part No. 800053545						
MOUNTING: WALL MOUNTED using: (2) - 1.5"x1.5" x 3/32" x 10" steel FUJIFILM mounting brackets (Part No. 800053545). Each bracket secured with: <ul style="list-style-type: none"> (2) – 1/4" dia. HWH TEK screws through 5/8" gypsum wallboard to 16 ga steel backing plate. (2) – #8 pan head screws to case. 						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
8	2.8	10.2	7	N/A	N/A	N/A
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						