



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OSP – 0521 – 10

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Philips Medical Systems DMC GmbH

Manufacturer's Technical Representative: Ming Xiao

Mailing Address: Roentgenstrasse 24, 22335 Hamburg

Telephone: ON FILE Email: ON FILE

Product Information

Product Name: DigitalDiagnost

Product Type: Digital Radiography (DR) system.

Product Model Number: See Attachment 1

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

General Description: Multiple component digital radiography medical diagnostic imaging system.

Seismic certification is limited to system components listed in Attachment 1 Table 1. Seismic enhancements incorporated into the test units and enhancements required to address anomalies observed during the tests shall be incorporated into the certified units.

Mounting Description: See Attachment 1, Table 1.

Applicant Information

Applicant Company Name: EASE LLC

Contact Person: JONATHAN ROBERSON, S.E.

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

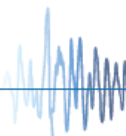
Telephone: (406) 541-EASE (3273) Email: j.roberson@easeco.com

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: Sept 2, 2017

Title: Principal Engineer Company Name: EASE LLC

"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 LLC

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): _____

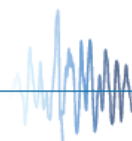
Testing Laboratory

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

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

a_p (In-structure equipment or component amplification factor) = See Attachment 1

R_p (Equipment or component response modification factor) = See Attachment 1

Ω_0 (System overstrength factor) = See Attachment 1

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = See Attachment 1

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

Overall dimensions and weight (or range thereof) = See Attachment 1

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

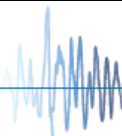
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022

Signature:  Date: October 18, 2017

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 2

TABLE 1:

System Manufacturer		Philips Medical System DMC GmbH												
System		DigitalDiagnost												
COMPONENT	MODEL	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS [1]	F _P /W _P	S _{DS}	z/h	a _P	R _P	Ω ₀	
	NUMBER	W	D	H										
PATIENT TABLES														
DigitalDiagnost TH2 Table w/ Skyplate Detector (Large)														
DigitalDiagnost TH2 Table	9848-600-02222	33.5	94.5	20.8 – 36.4	612 [3]	Floor	1703-1	2.40 1.13	2.0 2.5	1 0	1	1.5	1.5	
Digital Table TH 850 (wide table)	4512-201-09081													
Bucky Unit 2 SkyPlate	4512-201-10361													
Skyplate detector Large (Trixell)	9897-010-02681	15.1"	18.1"	0.63"	6.6 lb									
DigitalDiagnost TH2 Table w/ Fixed Detector														
DigitalDiagnost TH2	9848-600-02222	33.5	94.5	20.8 – 36.4	615 [3]	Floor	1703-2	2.40 1.13	2.0 2.5	1 0	1	1.5	1.5	
Digital Table TH 850 (wide table)	4512-201-09081													
Bucky Unit 3 Digital	4512-201-09031													
X-RAY TUBE SUSPENSIONS														
Ceiling Suspension CSM														
Version Comfort Move (Long & Short Versions)	9890-010-87702	92.8 – 159.0	31.0	49 – 107	683	Suspended	1701-3 1701-4	3.60 1.50	2.0 2.5	1 0	2.5	2.5	2	
CSM Tubemount alphadrive	4512-201-10951													
WALL STANDS														
Vertical Stand 2 (VS2) Tilting w/ Fixed Detector														
Vertical Stand 2 (VS2)	9897-010-01411	23.5	35.5	81.9	562	Wall/Floor	1703-3	2.40 1.13	2.0 2.5	1 0	1	1.5	1.5	
Tilting Module Motorized	4598-006-89331													
Bucky Unit 3 Digital	4512-201-09031													
Vertical Stand 2 (VS2) Tilting w/ Skyplate Detector														
Vertical Stand 2 (VS2)	9897-010-01411	23.5	35.5	81.9	562	Wall/Floor	1701-8	2.40 1.13	2.0 2.5	1 0	1	1.5	1.5	
Tilting Module Motorized	4598-006-89331													
Bucky Unit 2 Skyplate	4512-201-10361													
Skyplate detector Large (Trixell)	9897-010-02681	15.1"	18.1"	0.63"	6.6 lb									
POWER DISTRIBUTION														
M-Cabinet CXA Generator 80kW/65kW	9897-010-02941	19.2	27.7	39	236	Floor	1703-4	1.44 1.13	2.0 2.5	1	1	2 ½	2	

Table continues next page

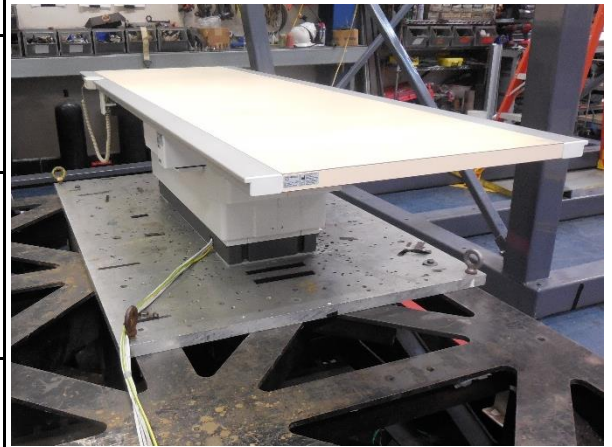
ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:

<i>System Manufacturer</i>	Philips Medical System DMC GmbH												
<i>System</i>	DigitalDiagnost												
COMPONENT	MODEL NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	S _{DS}	z/h	a _P	R _P	Ω ₀
		W	D	H									
UPS (APC SURT2000XLI)	9890-010-88261	8.3	19.5	17.75	53	Rigid Base	1703-6	1.44 1.13	2.0 2.5	1	1	2 ½	2
USER INTERFACE													
Acquisition Work Spot (AWS-TX)	4512-201-10351	8.5	10.88	17.63	33	Rigid Base	1703-5	1.44 1.13	2.0 2.5	1	1	2 ½	2
Eleva Examination Control Advance (EECA) Monitor	9890-010-87393	18.5	13.125	19.75	38	Rigid Base	1406-11	1.39	1.93	1	1	2 ½	2
Keyboard (Country Kit AWS USA) (Cherry)	4512-201-04984	19	8	1.8	2	Rigid Base	1701-16	1.44 1.13	2.0 2.5	1	1	2 ½	2
mShield firewall (AXIOMTEK)	4512-133-65531	8.8	6	1.9	3	Rigid Base	1703-8	1.44 1.13	2.0 2.5	1	1	2 ½	2
USB Infrared Adapter on Support	4512-201-10483	4.5	6	9.75	1	Rigid Base	1701-18	1.44 1.13	2.0 2.5	1	1	2 ½	2
MISC													
WiFi-Access Point (Cisco AIR-SAP1602I-B-K9)	4512-201-11791	8.7	8.7	1.9	2	Wall	1703-9	1.44 1.13	2.0 2.5	1	1	2 ½	2
<i>Mount</i>	<u>Floor (Rigid Base) Mount:</u> free-standing, base-mounted tower configuration with the component rigidly attached to a supporting structure and no lateral support above the base. <u>Countertop Anchored:</u> unit is anchored to a counter, desk, or other piece of fixed furniture.												
<i>Notes</i>	<ol style="list-style-type: none"> BASIS: <ul style="list-style-type: none"> UUT#: Indicates that a unit matching these characteristics was tested as part of this testing program. INT (Interpolate/Extrapolate): indicates a model not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line SAME: Model is physically, mechanically & electrically the same as test specimen. Difference is limited to model number, color, and/or software.. All components are manufactured by Philips Medical System DMC GmbH unless otherwise noted in component description. Patient table weight does not include the 560 LB patient load present during testing. 												

ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT1703-1 Digital TH2 Table w/ Skyplate						
MANUFACTURER: Philips Medical Systems DMC GmbH						
IDENTIFICATION: DigitalDiagnost TH2 Table: 9848-600-02222 SN: 16000193 Digital Table TH 850 (wide table): 4512-201-09081 Bucky Unit 2 SkyPlate: 4512-201-10361 Skyplate Large: 9897-010-02681						
DESCRIPTION: Component of the DigitalDiagnost system Digital TH Table w/ following options: SkyPlate Tray Large SkyPlate portable wireless digital detector Wide tabletop Anti-Scatter Grid (9896-010-63031) Tested w/ 560 lb patient load						
MOUNTING: Rigid Base (Floor) Mounted: (4) – ½" dia. SAE J429 Grade 8 bolts w/ 3.5" x 1.5" x ½" plate washers (ASTM A36), fabricated by lab, threaded into tapped holes in aluminum plate. (Torque=40 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
33.5	94.5	20.8 min 36.4 max		612	20.4	3.7
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



UUT1703-2 Table w/ Fixed Detector						
MANUFACTURER: Philips Medical Systems DMC GmbH						
IDENTIFICATION: DigitalDiagnost TH2 Table: 9848-600-02222 SN: 16020429 Digital Table TH 850 (wide table): 4512-201-09081 SN: 16000676 Bucky Unit 3 Digital: 4512-201-09031						
DESCRIPTION: Component of the DigitalDiagnost system Digital TH Table w/ following options: Fixed detector Wide tabletop Anti-Scatter Grid (9896-010-63031) Tested w/ 560 lb. Patient Load						
MOUNTING: Rigid Base (Floor) Mounted: (4) – ½" dia. SAE J429 Grade 8 bolts w/ 3.5" x 1.5" x ½" plate washers (ASTM A36), fabricated by lab, threaded into tapped holes in aluminum plate. (Torque=40 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
33.5	94.5	20.8 min 36.4 max		615	12.0	3.2
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

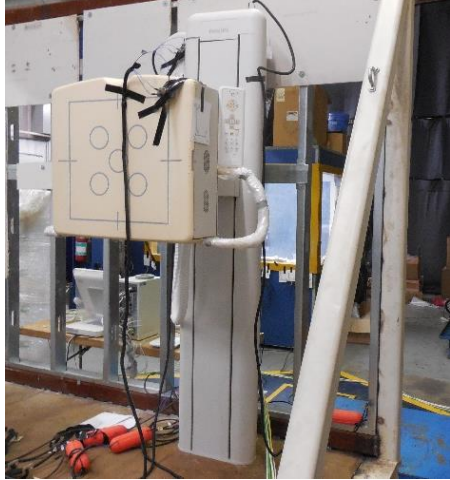


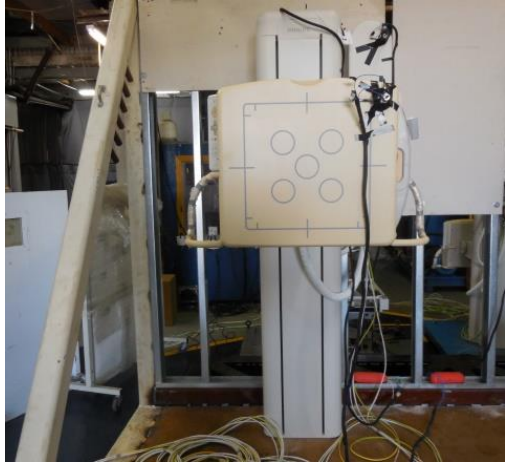
UUT1701- 3 Ceiling Suspension CSM w/ Comfort Move & Long (4m) Bridge						
MANUFACTURER:		Philips Medical System DMC GmbH				
IDENTIFICATION:		Ceiling Suspension CSM w/ Comfort Move & Long (4m) Bridge CSM Tubemount alphadrive				
		9890-010-87702 4512-201-10951				
DESCRIPTION:		Component of the CombiDiagnost R90 dRF & DigiDiagnost systems Ceiling Suspension CSM w/ the following: Comfort Move (Motorized vertical and rotational movement) Long Bridge (4 meter) CS 111 Telescope Carriage Tracking CSM Control Grip CSM Tubemount alphadrive				
		4512-201-06241 4512-201-10971 4512-201-10951				
MOUNTING:		Ceiling Suspended: Longitudinal Rails suspended from Unistrut P1001 supports spaced 26.5" max. o.c. using Philips proprietary mounting hardware consisting of: (2) – M10-12.9 socket head bolts thru (2) – Philips rail clips to Philips Fixing Block Typical each longitudinal rail at each Unistrut P1001 support				
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
159.0	31.0	49 – 107		683	3.3	2.6
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						





UUT1701-4 Ceiling Suspension CSM w/ Comfort Move & Short (2.3m) Bridge						
MANUFACTURER:		Philips Medical System DMC GmbH				
IDENTIFICATION:		Ceiling Suspension CSM w/ Comfort Move & Long (4m) Bridge CSM Tubemount alphadrive				
		9890-010-87702 4512-201-10951				
DESCRIPTION:		Component of the CombiDiagnost R90 dRF & DigitalDiagnost systems Ceiling Suspension CSM w/ the following: Comfort Move (Motorized vertical and rotational movement) Short Bridge (2.3m) CS 111 Telescope Carriage Tracking CSM Control Grip CSM Tubemount alphadrive				
		4512-201-06241 4512-201-10971 4512-201-10951				
MOUNTING:		Ceiling Suspended: Longitudinal Rails suspended from Unistrut P1001 supports spaced 53.5" max. o.c. using Philips proprietary mounting hardware consisting of: (2) – M10-12.9 socket head bolts thru (2) – Philips rail clips to Philips Fixing Block. Typ. ea. longitudinal rail at each of (4) Unistrut P1001 supports.				
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
92.8	31	49 – 107		683	3.5	2.8
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						





UUT1703- 3 Vertical Stand 2 (VS2) Tilting w/ Fixed Detector						
MANUFACTURER: Philips Medical System DMC GmbH						
IDENTIFICATION: Vertical Stand: 9897-010-01411 Tilting Module: 4598-006-89331 Bucky Unit 3 Digital: 4512-201-09031						
DESCRIPTION: Component of the DigitalDiagnost System Wall stand version VS2 w/ following options: Tilting detector unit (bucky), Fixed digital detector X-Ray Anti-scatter Grid No spacer Unit Modified after test to address anomalies and re-tested. See description in photos below.						
MOUNTING: Rigid Wall/Rigid Base Mounted using (4) – 3/8" dia ASTM A307 bolts to 16 ga. Steel backing plate at wall. (Torque=17 ft-lb) (3) – 1/2" dia SAE J429 grade 5 bolts to interface plate at floor. (Torque=40 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
23.5	35.5	81.9	533	4.7	11	6.4
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT1701- 8 Vertical Stand 2 (VS2) tilting with Skyplate Detector (Large)						
MANUFACTURER: Philips Medical System DMC GmbH						
IDENTIFICATION: Vertical Stand 2 (VS2) w/ 9897-010-01411 Tilting Module motorized 4598-006-89331 Bucky Unit 2 SkyPlate 4512-201-10361 Skyplate Detector (Large) 9897-010-02681						
DESCRIPTION: Component of the CombiDiagnost R90 dRF & DigitalDiagnost Systems Column Motorized 4598-006-89311 Grid Skyplate – Anti Scatter X-Ray Grid 9896-010-63031 Detector loads from right side of bucky. SEISMIC KIT: latch to secure bucky tray within bucky. MODIFIED DURING TESTING						
MOUNTING: Rigid Wall/Rigid Base Mounted using (4) – 3/8" dia ASTM A307 bolts to 16 ga. Steel backing plate at wall. (Torque=17 ft-lb) (3) – 1/2" dia SAE J429 grade 5 bolts to interface plate at floor. (Torque=40 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
23.5	35.5	81.9	562	4.2	10.2	6.1
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT1703-4 M-Cabinet CXA Generator 80kW/65kW						
MANUFACTURER: Philips Medical System DMC GmbH						
IDENTIFICATION: Model No.: 9897-010-02941 Serial No.: SN16230001						
DESCRIPTION: Component of the DigitalDiagnost system Configuration tested: M-Cabinet CXA Generator 80kW Conversion from 80KW to 65KW achieved through software.						
MOUNTING: <u>Wall/Floor Mounted:</u> (4) – 3/8" dia. ASTM A574 Socket Head Cap Screws w/ washers threaded into tapped holes in steel plate. (Torque = 25 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
19.2	27.6	39	236	9.0	10.8	23.2
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT1703-5 Acquisition Work Spot (AWS-TX)						
MANUFACTURER: Kronton Europe GmbH						
IDENTIFICATION: Model No.: 4512-201-10351 Serial No.: 406823013						
DESCRIPTION: Component of the DigitalDiagnost system						
MOUNTING: Rigid Base (Floor) Mounted using: 1" wide nylon strap w/ metal cam buckle (50 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2 x 1/8" x 0'-2" brackets positioned snug against unit. Each bracket attached w/ 3/8" diameter Allen Head cap screw threaded into steel plate. (Torque = 25 ft-lb) (1 set ea. front & rear, 4 bolts total.)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
8.5	10.88	17.63	33	22.8	23.3	23.0
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT1406-11 Eleva Examination Control Advanced						
MANUFACTURER: Philips Medical System DMC GmbH						
IDENTIFICATION: Type: 9890-010-87393						
DESCRIPTION: Component of EasyDiagnost Eleva System						
MOUNTING: Counter Top Mounted using (4) 1/4" dia machine screws with washers and nuts on back side						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
18.5	13.125	19.75	38	3.7	10.7	20.3
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 CBC
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
1.93	1.0	1.5	3.09	2.32	1.29	0.52
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT1701-16 Keyboard (Country Kit AWS USA)						
MANUFACTURER: Cherry						
IDENTIFICATION: 4512-201-04984						
DESCRIPTION: Component of the CombiDiagnost R90 dRF & DigitalDiagnost System						
MOUNTING: <u>Rigid Base (Countertop) Mounted</u> (2) – Lines of 1" x 3" 3M Industrial Velcro applied to rear face of Keyboard, spaced 14" apart.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
18 1/2	7 5/8	1 3/4	2	>50	>50	38.5
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT1703-6 UPS (APC 2kVA)						
MANUFACTURER: American Power Conversion (APC)						
IDENTIFICATION: Model No.: 9890-010-88261 APC Model No.: SURT2000XLI APC Serial No.: ASI629290607						
DESCRIPTION: Component of the DigitalDiagnost system APC Smart-UPS On-Line, 1400 Watts /2000 VA, Input 230V /Output 220/230/240V; automatic internal bypass						
MOUNTING: Rigid Base (Floor) Mount: APC Tower base stand 1" wide nylon strap w/ metal cam buckle (50 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2 x 1/8" x 0'-2 " brackets positioned snug against unit. Each bracket attached w/ 3/8" diameter Allen Head cap screw threaded into steel plate. (1 set ea. front & rear, 4 bolts total.)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
8.3	19.5	17.75	53	15.1	21.1	23.4
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 CBC
S _{DS} (G)	z/h	I _P	A _{FLEX-H} (G)	A _{RIG-H} (G)	A _{FLEX-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.						

UUT1703-8 MShield Firewall						
MANUFACTURER: AXIOMTEK						
IDENTIFICATION: Type: 4512 133 65531 Serial No.: E1626E2001030014-OC						
DESCRIPTION: Component of the DigitalDiagnost system						
MOUNTING: Rigid Base (Floor) Mounted: (2) – lines of 1" x 8" 3M Industrial Velcro hook & loop adhered to bottom of unit and painted steel frame.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
8.8	6	1.9	3	48.6	46.0	33.0
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 CBC
S _{DS} (G)	z/h	I _P	A _{FLEX-H} (G)	A _{RIG-H} (G)	A _{FLEX-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.						

UUT1701-18 USB Infrared Adapter						
MANUFACTURER: Philips Medical System DMC GmbH						
IDENTIFICATION: 4512-201-10483						
DESCRIPTION: Component of the CombiDiagnost R90 dRF & DigitalDiagnost Systems. Infra-red scanner for registering Skyplate digital detectors with the systems.						
MOUNTING: Rigid Base (Countertop) Mounted w/ (2) - #10 Tek screws into 3/4" plywood.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
4.5	6	9.75	1	>50	>50	>50
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT1703-9 WiFi-Access Point (Cisco AIR-SAP 16021-B-K9)						
MANUFACTURER: Cisco						
IDENTIFICATION: 4512-201-11791 Cisco AIR-SAP16021-B-K9						
DESCRIPTION: Component of the CombiDiagnost R90 & DigitalDiagnost system Cisco Aironet 1600 Series 802.11n Dual Band Access Point						
MOUNTING: Rigid Wall Mount: (4) - #8 tek screws to 16 ga. steel stud backing using Cisco mounting plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
8.7	8.7	1.9	2	---	---	---
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						