

CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #:	OSP - 0520 - 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 FIL	.E	
Product Information	On	
Product Name: CombiDiagnost R90		
Product Type: Radiography/Fluoroscopy medical diagnostic imaging	ı system	
Product Model Number: See Attachment 1 (List all unique product identification numbers and/or part numbers)	CH	
General Description: <u>Cross functional DRF system. Multiple component s</u> fluoroscopy medical diagnostic imaging. Seismic certification is limited to sys Seismic enhancements incorporated into the test units and enhancements reshall be incorporated into the certified units.	tem components listed in	Attachment 1 Table 1.
Mounting Description: See Attachment 1, Table 1.	~	
	\$	
Applicant Information	COA	
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: <u>j.robers</u>	son@easeco.com	
I hereby agree to reimburse the Office of Statewide Health Faccordance with the California Administrative Code, 2016.	Planning and Devel	opment review fees in
Signature of Applicant:	Dat	e: November 7, 2018
Title: Principal Engineer Company Name: EASE	LLC	
	1	

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





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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 CODE
 ✓ Testing in accordance with: ✓ ICC-ES AC156 ✓ Other (Please Specify):
OSP-0520-10
Testing Laboratory BY: Timothy J. Piland
Company Name: Environmental Testing Laboratory, Inc. 15 / 2019
Contact Name: 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 in accordance with ASCE 7-10 Chapter 13: ⊠ Yes ☐ No
Design Basis of Equipment or Components (F _p /W _p) = See Attachment 1, Table 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) = OSP-0520-10
Ω_0 (System overstrength factor) =
C _d (Deflection amplification factor) = BY: Timothy J. Piland
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
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022
1./ 1 00
Signature: Date: April 5, 2019
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):

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





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PHILIPS HEALTHCARE

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 1 OF 3

TABLE 1:

System Manufacturer Philips	Medical System	DMC GmbF	1										
	Diagnost R90	DINIO CITIBI	•										
-	MODEL	APPRO	X. DIMENSIO	NS (IN.)	MAX. WT.								
COMPONENT	NUMBER	W	D	H	(LB.)	MOUNT	BASIS [1]	F _P /W _P	S _{DS}	z/h	a _P	R _P	Ω_0
GEOMETRY STAND													
Combidiagnost R90 Stand (Villa Systems Medicall, SpA.)	9890-010-70151	93.93 – 153.3	80.35	109.17 – 140.66	2976	Divid Dage	4704.0	2.40	2.0	1	1	4.1/	4.1/
Stand Geo Gridswitch	4512-202-03251	155.5		140.00 R	$\bigcup COD_{E}$	Rigid Base	1701-2	1.13	2.5	0	1	1 ½	1 ½
OSHPD floorplate large	9890-010-70231	75	38.66	0.79	646	COL							
MONITOR SUSPENSIONS			/ 🛇		CILD	170							_
Monitor Suspension (Ondal) (3 monitors / 2BNC/1Eth)	4512-202-03681	72.44	33.86	53.14	252 [6]		A V						
Monitor 21" (Examination Room) FIMI S.r.1	9919 324 72042	19.48	4.25	16.7 3 S I	_ (15.65) _	Suspended	1701-5	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
Monitor 19" B/W (EasyDiagnost ExamRoom) FIMI S.r.1 (x2)	9919 322 52192	16.76	3.81	14.79 BY: Tim	11.9 othy J.	Piland	H	1.50	2.0	Ů			
Monitor Suspension (3 monitors / 3Eth) (Ondal)	4512-202-03351	72.44	33.85	53.14	252 ^[6]	Suspended	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
Monitor Suspension (2 monitors / 2 Eth) (Ondal)	4512-202-03341	72.44	33.85	DATE: 0 53.14	$4/05_{\text{[6]}}2$	Suspended	TINT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
Monitor Suspension (2 monitors / 2 BNC) (Ondal)	4512-202-03671	72.44	33.85	53.14	227 [6]	Suspended	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
Monitor Suspension (1 monitor / 1 BNC) (Ondal)	4512-202-03661	72.44	33.85	53.14	192 [6]	Suspended	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
Monitor Suspension (1 monitor / 1 Eth) (Ondal)	4512-202-03331	72.44	33.85	53.148	7 192 [6]	G	4704.0	3.60	2.0	1	0.1/	0.1/	0
Monitor 21" (Examination Room) FIMI S.r.1	9919 324 72042	19.48	4.25	16.73	15.65	Suspended	1701-6	1.50	2.5	0	2 ½	2 ½	2
WALL STANDS													
Vertical Stand VS1 tilting w/ Skypla	te Detector												
Vertical Stand VS1	9890-010-83641												
Tilting unit VS1 "in"	4512-201-07223	23.5	35.5	81.9	562	Wall/Floor	1701-7	2.40	2.0	1	1	1 ½	1 ½
Bucky Unit 2 SkyPlate	4512-201-10361							1.13	2.5	0		1 /2	1 /2
Skyplate detector Large (Trixell)	9897-010-02681	15.1"	18.1"	0.63"	6.6 lb								

Table continues next page



PHILIPS HEALTHCARE

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 2 OF 3

TABLE 1:

System Manufacturer Philip	os Medical System	DMC CmbL											
	oiDiagnost R90	DIVIC GIIIDE	<u> </u>										
<u>'</u>	MODEL	APPRO	X. DIMENSIO	NS (IN.)	MAX. WT.								
COMPONENT	NUMBER	W	D	H	(LB.)	MOUNT	BASIS [1]	F_PM_P	S _{DS}	z/h	a _P	R _P	Ω_0
Vertical Stand VS1 tilting w/ Skyp	olate Detector												
Vertical Stand VS1	9890-010-83641												
Tilting unit VS1 "in"	4512-201-11871	23.5	35.5	81.9	562	Wall/Floor	SAME	2.40	2.0	1	1	1 ½	1 ½
Bucky Unit 2 SkyPlate	4512-201-11921			OR	CODE			1.13	2.5	0	·	1 /2	1 /2
Skyplate detector Large (Trixell)	9897-010-02681	15.1"	18.1"	0.63"	6.6 lb	COMP							
Vertical Stand 2 (VS2) tilting with	Skyplate Detector		· Fi		CHD								
Vertical Stand 2 (VS2)	9897-010-01411		[27]										
Tiliting Module motorized	4598-006-89331	23.5	35.5	81.9	562 -0520-	Wall/Floor	1701-8	2.40	2.0	1	1	1 ½	1 ½
Bucky Unit 2 SkyPlate	4512-201-10361		FIT	OSE	-0520-	10	(C)	1.13	2.5	0		1 /2	1 /2
Skyplate detector Large (Trixell)	9897-010-02681	15.1"	18.1"	0.63"	6.6 lb		田						
Vertical Stand 2 (VS2) tilting with	Skyplate Detector			BY:TIM	otny J.	Piland							
Vertical Stand 2 (VS2)	9897-010-01411		WYYY	AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	98884444444	<u> </u>							
Tiliting Module motorized	4598-006-89331	23.5	35.5	D A81.9 . O	4/562/20	Wall/Floor	SAME	2.40	2.0	1	1	1 ½	1 ½
Bucky Unit 2 SkyPlate	4512-201-11921		1 1 W				0	1.13	2.5	0	'	1 /2	1 /2
Skyplate detector Large (Trixell)	9897-010-02681	15.1"	18.1"	0.63"	6.6 lb		~						
X-RAY TUBE SUSPENSION	S		1			(\$)							
Ceiling Suspension CSM Version Comfort Move (Long or Short version)	9890-010-87702	92.8 – 159.0	31.0	34.29 - 99.52 ^[7]	I 683 [6] N	Suspended	1701-3 1701-4	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
CSM Tubemount alphadrive	4512-201-10951	139.0											
SYSTEM CONTROL													
M-Cabinet Model: M-Cabinet RF	4512-202-03621	21.7	20.5	77	420	Wall/Floor	1701-10	1.44 1.13	2.0 2.5	1	1	2 ½	2
Geometry Cabinet Model: Stand Geo Cabinet assy Villa Sistemi Medicali, Italy	4512-202-03591	21.7	20.5	77	485	Wall/Floor	1701-11	1.44 1.13	2.0 2.5	1	1	2 ½	2
Eleva Workspot (PC) Model: AWS-DI MSC Technologies Systems	4512-202-03301	6.7	17.0	17.0	32	Floor	1701-12	1.44 1.13	2.0 2.5	1	1	2 ½	2

Table continues next page

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PHILIPS HEALTHCARE

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

nufacturer Philips	Medical System I	DMC Gmbl	H										
CombiD	iagnost R90												
	MODEL APPROX. DIMENSIONS (IN.)		MAX. WT.										
NT	NUMBER	W	D	Н	(LB.)	MOUNT	BASIS [1]	F_PM_P	S _{DS}	z/h	a _P	R _P	Ω_0
ISTRIBUTION [4]										_			
oltage Generator elara GCF 2T	9890-000-70307	21.7	20.5	77	745.2	Wall/Floor	1701-9	1.44 1.13	2.0 2.5	1	1	2 ½	2
ERFACE				COR	CODE								
Touch Fimi S.r.l.	4512-202-03451	19.4	9.2	17.3	19.4	Rigid Base	1701-13	1.44 1.13	2.0 2.5	1	1	2 ½	2
Touch Fimi S.r.l.	4512-202-03452	19.4	9.2	17.3	19.4	Rigid Base	INT	1.44 1.13	2.0 2.5	1	1	2 ½	2
Fimi S.r.l.	4512-202-03462	19.4	9.2	17.3 _S	-0 19.4 0-	Rigid Base	ZINT	1.44 1.13	2.0 2.5	1	1	2 ½	2
Fimi S.r.l.	4512-202-03461	19.4	9.2	17.3	19.4	Rigid Base	<mark>1701-</mark> 14	1.44 1.13	2.0 2.5	1	1	2 ½	2
Screen Console Medicali,	4512-134-69651	14	<u>14</u>	BYTim 4.25	othy ₁₂ J.	Rigid Base	<mark>1701-1</mark> 5	1.44 1.13	2.0 2.5	1	1	2 ½	2
Country Kit AWS USA)	4512-201-04984	19	<u>C8</u>	1.8 DATE: ($\frac{2}{4/05/20}$	Rigid Base	<mark>1701-</mark> 16	1.44 1.13	2.0 2.5	1	1	2 ½	2
			T.V		771177777								
s Point 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
d Adapter	4512-201-10483	4.5	6	9.75	13	Rigid Base	1701-18	1.44 1.13	2.0 2.5	1	1	2 ½	2
Wall: component ful Wall/Floor: compon along the height of the Suspended: component ful BASIS: • UUT#: Ind • INT (Interproduct lin • SAME: Mc 2. All component along the height of the SAME: Mc 4. Monitor Susp 5. UUT modified	ly supported by a buent bears on, and is the equipment. nent is anchored to a dicates that a unit man polate/Extrapolate): i e. I del is physically, me to are manufactured weight does not includension weights excluded at test facility to add	and suspend and suspend atching these ndicates a mechanically & I by Philips Nude the 500 lude the weighters anoma	tructure rectly to the supplemental to the sup	pporting floor. ing system at s was tested a fically tested, e same as tes DMC GmbH present durin al rails.	In addition, late or slightly about as part of this teand by which set the specimen. Diffurnless otherwing testing	eral restraint and ve the ceiling ling esting program. eismic certificate ference is limite	ne of the room ion is established to model nu	nit to an adja . ned through mber, color,	evaluation	of testing o	oorting stru	ucture is pr	
	STRIBUTION [4] Oltage Generator lara GCF 2T ERFACE Fouch Fimi S.r.l. Fimi S.r.l. Fimi S.r.l. Goreen Console Medicali, ountry Kit AWS USA) Point SAP1602I-B-K9) I Adapter Floor (Rigid Base): Wall: component ful Wall/Floor: fu	MODEL NUMBER	CombiDiagnost R90 APPRO NUMBER W	CombiDiagnost R90 APPROX. DIMENSION STRIBUTION 61 Oltage Generator 9890-000-70307 21.7 20.5 ERFACE	MODEL NUMBER MODE	CombiDiagnost R90 MODEL NUMBER W D H (LB.) MAX. WT. (LB.)	MODEL NUMBER W D H (LB.) MOUNT STRIBUTION [4] STRIBUTION [4] Ditage Generator lara GCF 2T 9890-000-70307 21.7 20.5 77 745.2 Wall/Floor lara GCF 2T 9890-900-900-900-900-900-900-900-900-900	CombiDiagnost R90 MODEL NUMBER M	CombiDiagnost R90 MODEL NUMBER APPROX. DIMENSIONS (IN.) MAX. WT. (LB.) MOUNT BASIS [1] F _F /W _F STRIBUTION [4]	NODEL APPROX. DIMENSIONS (IN.) MAX. WT. (LB.) MOUNT BASIS (1) F _P W _P S ₀₈	CombiDiagnost R90 MODEL APPROX. DIMENSIONS (IN.) MAX. WT. MOUNT BASIS [1] F _F /W _P S _{DS} Z/h	CombiDiagnost R90	CombiDiagnost R90 APROX. DIMENSIONS (IN.) MAX. WT. LB.) MOUNT BASIS (1) F _p /W _p S ₀₀ Z/h a _p R _p STRIBUTION (4)

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT1701-2	Combidiagno	ost R90 Stand				
MANUFACTURER:	Villa Systems Medi	call, SpA.		0.1		A STATE OF THE PARTY OF THE PAR
IDENTIFICATION:	Combidiagnost R90 Stand Geo Gridsy OSHPD floorplate	witch	890-010-70151 4512-202-03251 9890-010-70231			
DESCRIPTION:	UNIT MODIFIED F	incorporated into all sta	•			
MOUNTING:		Mounted w/ oolts unit to OSHPD floo 8 bolts OSHPD floorpla				
	DIMENSIONS (ir	1.)	R CODF	LOWEST	RESONANT FREQUE	NCY (Hz.)
Width	Depth	Height 😥 🔾	Weight (lb.)	Longit. (X)- Axis	Transv. (Y) - Axis	Vert (Z) - Axis
93.9 – 153.3	80.35	81.6 – 140.6	2976	3.0	2.51	3.2
ICC-ES AC156 SH	AKE TABLE TEST PA	ARAMETERS	DSAPD			CODE: 2016 CBC
S _{DS} (G)	z/h	IP.	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	SP-05 _{3.2} 0-10	2.4	1.68	0.68
Unit satisfied AC156	6 requirements for str	uctural integrity and ma	nufacturer requirements	MAXXYYVVA	er AC156 test.	

UUT1701- 3	Ceiling Susp	ension CSM v	v/ Comfort Mo	ve & Lon <mark>g (4</mark> n	n) Bridge			
MANUFACTURER:	Philips Medical Syste	em DMC GmbH	: 04/05/2019					
IDENTIFICATION:	Ceiling Suspension CSM w/ Comfort Move & Long (4m) Bridge 9890-010-87702 CSM Tubemount alphadrive 4512-201-10951							
DESCRIPTION:	Component of the Co systems Ceiling Suspension C Comfort Move (Moto Long Bridge (4 meter CS 111 Telescope C CSM Control Grip CSM Tubemount alp	CSM w/ the following: rized vertical and rota r) arriage Tracking	BUILDING					
MOUNTING:	Unistrut P1001 suppoproprietary mounting (2) – M10-12.9 socke (2) – Philips clamps t	Longitudinal Rails sus orts spaced 26.5" max hardware consisting et head bolts thru to Philips Fixing Block linal rail at each Unist	x. o.c. using Philips of:		AR			
	DIMENSIONS (in.)			LOWEST	RESONANT FREQU	ENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Transv - Axis	Longit - Axis	Vert-Axis		
159.0	31.0	49 – 107	683					
CC-ES AC156 SH	AKE TABLE TEST PAR	RAMETERS				CODE: 2016 CE		
S _{DS} (G)	z/h	l _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		
Jnit satisfied AC156	6 requirements for struc	ctural integrity and ma	nufacturer requiremen	ts for functionality afte	er AC156 test.			



UUT1701-5

Philips Healthcare

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT1701-4	Ceiling Susp	ension CSM w/	Comfort Move &	& Short (2.3m) E	Bridge	
MANUFACTURER:	Philips Medical Sys	tem DMC GmbH				
IDENTIFICATION:	Ceiling Suspension Long (4m) Bridge CSM Tubemount a	CSM w/ Comfort Move	9890-010-87702 4512-201-10951			
DESCRIPTION:	systems Ceiling Suspension Comfort Move (Mot Short Bridge (2.3m CS 111 Telescope CSM Control Grip 4	Carriage Tracking 4512	tional movement) 2-201-06241			
MOUNTING:	Unistrut P1001 sup proprietary mountin (2) – M10-12.9 soc (2) – Philips rail clip	Longitudinal Rails sus ports spaced 53.5" max g hardware consisting ket head bolts thru os to Philips Fixing Bloo udinal rail at each of (4)	x. o.c. using Philips of:			
	DIMENSIONS (ir	1.)		LOWEST	RESONANT FREQU	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
92.8	31	49 – 107	683	\ <u>-</u>		
ICC-ES AC156 SHA	KE TABLE TEST PA	RAMETERS	SP-0520-10	1/2		CODE: 2016 CBC
S _{DS} (G)	z/h	P IP	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5 _{BY:T}	imothy ^{3.2} . Pi	and 2.4	1.68	0.68
Jnit satisfied AC156	requirements for str	uctural integrity and ma	nufacturer requiremen	its for functionality afte	r AC156 test.	-

	mormor ouepo		0.0) (==::0 :=					
MANUFACTURER:	Ondal & FIMI S.r.1	144						
IDENTIFICATION:	Monitor 1: Monitor 2:	4512 <mark>-202-03</mark> 681 19LCD-XR 991932252 19LCD-XR 991932252 1XR213L 991932 <mark>472</mark> 0	2192					
DESCRIPTION:	Monitor Suspension Ethernet cable.	w/ 3 LCD monitors & 2	2 BNC cables & 1					
MOUNTING:	Unistrut P1001 supporting proprietary mounting (2) – M10-12.9 socket (2) – Philips rail clips	Longitudinal Rails susports spaced 53.5" max hardware consisting out head bolts thru to Philips Fixing Blocklinal rail at each of (4)	. o.c. using Philips of:			Nation 19		
	DIMENSIONS (in.)			LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis		
72.44	33.86	53.14	252					
ICC-ES AC156 SH	AKE TABLE TEST PAR	RAMETERS				CODE: 2016 CBC		
S _{DS} (G)	z/h	l _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 AC15	6 requirements for struc	tural integrity and mar	nufacturer requiremer	nts for functionality after	er AC156 test.	•		

Monitor Suspension (3 monitors) (2BNC 1Eth)



ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT1701- 6	Monitor Susp	ension (1 moni	itor) (1 Eth)			
MANUFACTURER:	Ondal & FIMI S.r.1	,				
IDENTIFICATION:		4512-202-03331 9919 324 72042				
DESCRIPTION:		CombiDiagnost R90 dF w/ 1 LCD monitors w				
MOUNTING:	Unistrut P1001 supp proprietary mounting (2) – M10-12.9 sock (2) – Philips rail clips	Longitudinal Rails sus ports spaced 53.5"/53. g hardware consisting tet head bolts thru s to Philips Fixing Blor dinal rail at each of (4	.5"/37" using Philips of: ck.		نا	
	DIMENSIONS (in.	.)	R CODE	LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
72.44	33.85	53.14	192			
ICC-ES AC156 SH	AKE TABLE TEST PA	RAMETERS				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 AC15	6 requirements for stru	ctural integrity and ma	anufacturer requireme	nts for functionality afte	r AC156 test.	•

UUT1701- 7	Vertical Stand	VS1 tilting v	// Skyplate De	tector (Large)		
MANUFACTURER:	Philips Medical Syste	m DMC GmbH		3 9 4		
IDENTIFICATION:	Vertical Stand VS1 Bucky Unit 2 Skypl Package VS Digita Skyplate Detector	I (Motorize Tilt Assy)	9890-010-83641 4512-201-10361 4512-201-07221 9897-010-02681			
DESCRIPTION:	Component of the Co Column motorized Grid Skyplate – Anti S Detector loads from le SEISMIC KIT: latch to	Scatter X-Ray Grid eft side of bucky	4512-201-02733 9896-010-63031			
MOUNTING:	Rigid Wall/Rigid Base (4) – 3/8" dia A307 bo (Torque=17 ft-lb) (3) – ½" dia grade 5 b (Torque=40 ft-lb)	olts to 16 ga. Steel ba	01			
	DIMENSIONS (in.)			LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
23.5	35.5	81.9	562	4.6	11.0	6.7
ICC-ES AC156 SH	AKE TABLE TEST PAR	AMETERS				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	3 requirements for struc	tural integrity and ma	nufacturer requiremen	its for functionality after	er AC156 test.	



UUT1701- 9

Philips Healthcare

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 4 OF 9

UUT1701- 8	Vertical Stand	d 2 (VS2) tilting	with Skyplate D	etector (Large)				
MANUFACTURER:	Philips Medical System DMC GmbH								
IDENTIFICATION:	Vertical Stand 2 (VS Tiliting Module m Bucky Unit 2 Sky Skyplate Detector	otorized Plate	9897-010-01411 4598-006-89331 4512-201-11921 9897-010-02681			17			
DESCRIPTION:	Systems Column Motorized Grid Skyplate – Ant Detector loads from	CombiDiagnost R90 d ti Scatter X-Ray Grid n right side of bucky. n to secure bucky tray G TESTING	4598-006-89311 9896-010-63031						
MOUNTING:	(Torque=17 ft-lb)	se Mounted using bolts to 16 ga. Steel bolts to interface pla	01						
	DIMENSIONS (in	n.) <u>F</u>	OK ODE	LOWEST	RESONANT FREQUE	ENCY (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 SHA	AKE TABLE TEST PA	RAMÉTÉRS		7,		CODE: 2016 CBC			
S _{DS} (G)	z/h	FT IP	OSP-A _{FEX} 2 (G) 10	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	6 requirements for str	uctural integrity and m	nanufacturer requirement	ts for functionality after	er AC156 test.	•			

MANUFACTURER:	Philips Medical Syste	m DMC GmbH	+	THE POLICE			
IDENTIFICATION:	9890-000-70307	Copy					
DESCRIPTION:	Component of the Co MODEL: Velara GCF	mbiDiagnost R90 dRF 2T	SUILDING	CO PLEASE		1 2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3	
MOUNTING:	For additional informattachment. Bottom Connection: 3"x3"x1/8" x 0'-10" be (4) – 1/4" dia. HWH se	ap screws to Unistrut ation see reference do ent plate (ASTM A36) of If-drilling, self-tapping 5 bolts to interface fra	ecument at end of w/ sheet metal screws	UUT-9			
	DIMENSIONS (in.)			LOWEST	RESONANT FREQU	ENCY (Hz.)	
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis	
21.7	20.5	77	745.2	10.0	8.4	>50	
ICC-ES AC156 SH	AKE TABLE TEST PAR	AMETERS				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 AC15	0	to and the transition and the area			10150		

X-ray high Voltage Generator 04/05/2019

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PHILIPS HEALTHCARE 3 X 40E RACK CABINET

JOB NO. 13-1701

1

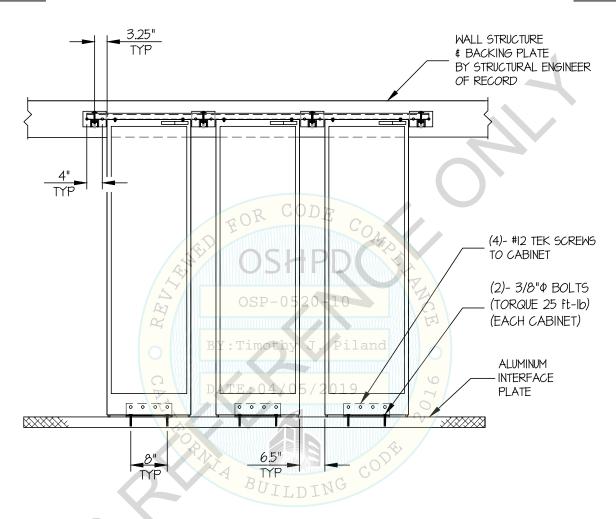
DATE 8/7/17

OF 3 SHEETS

SHEET

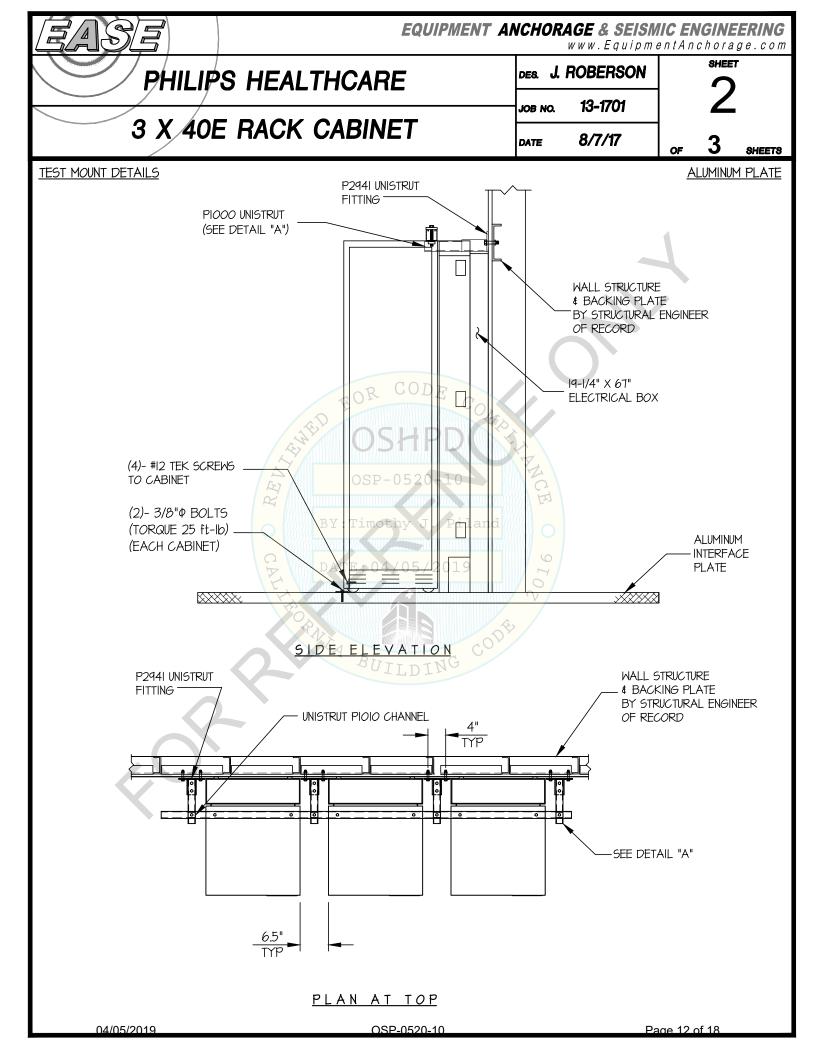
TEST MOUNT DETAILS

ALUMINUM PLATE



ELEVATION

04/05/2019 OSP-0520-10 Page 11 of 18



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PHILIPS HEALTHCARE

3 X 40E RACK CABINET

04/05/2019

DES. J. ROBERSON

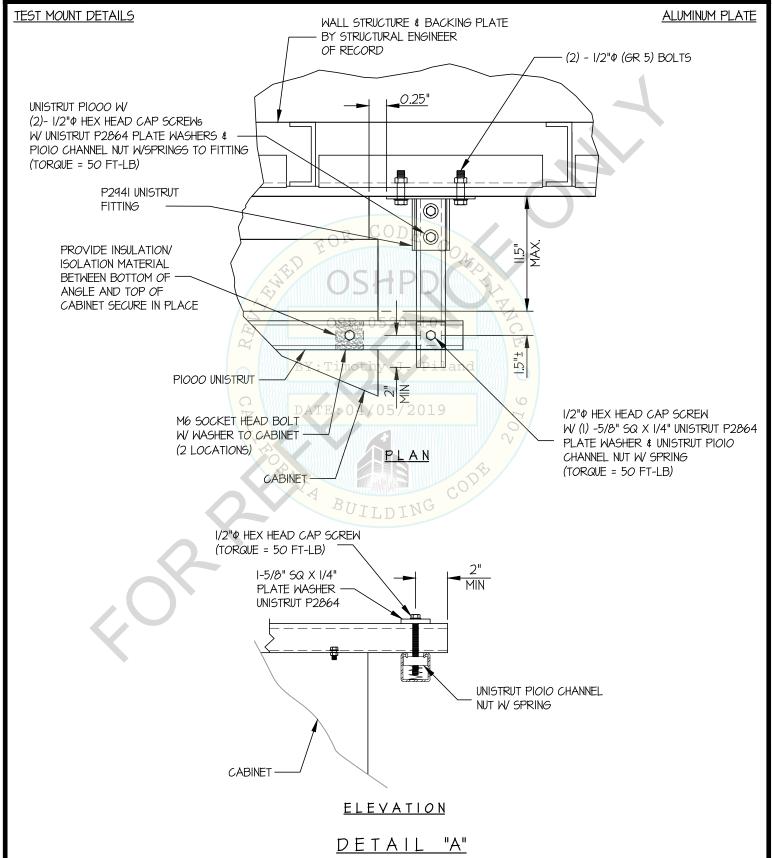
JOB NO. 13-1701

DATE 8/7/17

SHEET 3

of 3 SHEETS

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UUT1701- 11

Philips Healthcare

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 5 OF 9

MANUFACTURER:	Philips Medical Syst	em DMC GmbH		THE RESERVE	/	
IDENTIFICATION:	4512-202-03621					
DESCRIPTION:	Component of the C Model: M-Cabinet R	ombiDiagnost R90 dF F	RF System			
MOUNTING:		cap screws to Unistru		UUT-10		
	(4) - 1/4" dia. HWH se	ent plate (ASTM A36) elf-drilling, self-tapping 5 bolts to interface fr	g sheet metal screws			
	3"x3"x1/8" x 0'-10" b (4) – ¼" dia. HWH se	ent plate (ASTM A36) elf-drilling, self-tapping 5 bolts to interface fr	g sheet metal screws	LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	3"x3"x1/8" x 0'-10" b (4) – ¼" dia. HWH so (2) – 3/8" dia. Grade	ent plate (ASTM A36) elf-drilling, self-tapping 5 bolts to interface fr	g sheet metal screws	LOWEST Side-Axis	RESONANT FREQUE Front-Axis	ENCY (Hz.) Vert-Axis
Width 21.7	3"x3"x1/8" x 0'-10" b (4) – ½" dia. HWH si (2) – 3/8" dia. Grade	ent plate (ASTM A36) elf-drilling, self-tappin e 5 bolts to interface fr	g sheet metal screws ame.	01.		· ,
21.7	3"x3"x1/8" x 0'-10" b (4) – 1/4" dia. HWH so (2) – 3/8" dia. Grade DIMENSIONS (in Depth	ent plate (ASTM A36) elf-drilling, self-tapping s 5 bolts to interface from	g sheet metal screws ame. Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
21.7	3"x3"x1/8" x 0'-10" b (4) - 1/4" dia. HWH s (2) - 3/8" dia. Grade DIMENSIONS (in Depth 20.5	ent plate (ASTM A36) elf-drilling, self-tapping s 5 bolts to interface from	g sheet metal screws ame. Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis 42.5

		ALL AND	
		D	4
ING			
end of	UUT-11		
	LOWEST	RESONANT FREQUE	NCY (Hz.)
ht (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
85	10.0	8.4	17.4
			CODE: 2016 CBC
. _н (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
.2	2.4	1.68	0.68
	3.2 r requirements		3.2 2.4 1.68 r requirements for functionality after AC156 test.

Geometry Cabinet DATE: 04/05/2019

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 6 OF 9

UUT1701-12	Eleva Worksp	oot				
MANUFACTURER:	MSC Technologies	Systems				
IDENTIFICATION:	4512-202-03301					
DESCRIPTION:	Component of the C Eleva Workspot (PC Model: AWS-DI	CombiDiagnost R90 dl	RF System	100	The second secon	
MOUNTING:	and rear. Each stra strap w/ metal cam through slots in vert brackets positioned Each bracket attach	Mounted using a strap o assembly consisting buckle (50 lb tension ical legs of (2) – L2½ snug against unit. ned w/ 3/8" diameter A num plate. (1 set ea.	g of: 1" wide nylon / 200 lb WLL) looped x 2½ x ½" x 0'-2"			
	DIMENSIONS (in	.) <u>E</u>		LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
6 11/16	17	6 17	33	17.	39	11.9
ICC-ES AC156 SHA	AKE TABLE TEST PA	RAMETERS		T.		CODE: 2016 CBC
S _{DS} (G)	z/h	Fi Ip	OSP-A _{FLX} 21 (G) 10	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 stri	ctural integrity and m	anufacturer requirement	s for functionality after	r AC156 test	•

UUT1701- 13	Eleva Monitor	(LCD) DATE:	04/05/201	9 / ~/		
MANUFACTURER:	Fimi S.r.l. (Italy)	17	+	2 miles		4
IDENTIFICATION:	4512-202-03451	PV,		a a	A A A	
DESCRIPTION:	Component of the Co Eleva monitor for pati Fimi S.r.l. Model: MIF	ent admin – 21.3" Tou	5 System		"L,	
MOUNTING:	Rigid Base (Counterto (2) - #8 machine scre on bottom side.		od w/ washer & nut		PRILIPS	
	DIMENSIONS (in.)			LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
19 ½	8 7/8	17 1/4	19.4	9.7	9.3	13.4
ICC-ES AC156 SH	AKE TABLE TEST PAR	AMETERS				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	3 requirements for struc	tural integrity and mar	nufacturer requiremer	nts for functionality afte	er AC156 test.	



ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT1701-14	RF Viewer Mo	onitor (LCD)				
MANUFACTURER:	Fimi S.r.l. (Italy)					
IDENTIFICATION:	4512-202-03461			111	0,2	
DESCRIPTION:	RF-Viewer Monitor	CombiDiagnost R90 dRF – 21.3" odel: MIFC-21 21 TP	⁼ System			
MOUNTING:	Rigid Base (Counte (2) - #8 machine so on bottom side.	ertop) Mounted w/ crews through ¾" plywoo	od w/ washer & nut		mor	
	DIMENSIONS (ir	1.)	R CODE	LOWEST	RESONANT FREQUE	NCY (Hz.)
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
vviatri	0 = /0	17 1/4	19.4	14.0	9.7	1.08
19 ½	8 7/8					
19 ½	8 7/8 AKE TABLE TEST PA	(2)		7		CODE: 2016 CBC
19 ½		(2)	P-Afixa (G) 10	A _{RIG-H} (G)	A _{FLX-V} (G)	CODE: 2016 CBC A _{RIG-V} (G)
19 ½ ICC-ES AC156 SH/	AKE TABLE TEST PA	ARAMETERS		A _{RIG-H} (G)	A _{FLX-V} (G)	

UUT1701-15	Geo Touch Sc	reen Console	04/05/2019	9 / 7		
MANUFACTURER:	Villa Sistemi Medicali	, Italy	+	V V		
IDENTIFICATION:	4512-134-69651	TO PA				
DESCRIPTION:	Component of the Co Geo Touch Screen C	ombiDiagnost R90 dRF onsole	System SUILDING	COL	PHILIP (I)	70
MOUNTING:		op) Mounted w/ (3) – f !" plywood into threade om of unit.				
	DIMENSIONS (in.)			LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
14	14 3/8	4.25	11.5	39.4	42.3	38.8
ICC-ES AC156 SHA	AKE TABLE TEST PAR	AMETERS				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 struc	tural integrity and mar	nufacturer requiremen	its for functionality afte	er AC156 test.	

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 8 OF 9

UUT1701-16	Keyboard (Co	ountry Kit AWS	USA)			
MANUFACTURER:	Cherry	/			122	
IDENTIFICATION:	4512-201-04984				Q N	
DESCRIPTION:	Component of the System	e CombiDiagnost R90 c	dRF & DigiDiagnost			-
MOUNTING:	Rigid Base (Counte (2) – Lines of 1" x 3 of Keyboard, space	3" 3M Industrial Velcro	applied to rear face			
	DIMENSIONS (in	n.) 🛱 🤇	OR CODE	LOWEST	RESONANT FREQU	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
18 ½	7 5/8	1 3/4) \ \(\begin{aligned} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	>50	>50	38.5
ICC-ES AC156 SHA	AKE TABLE TEST PA	ARAMETERS		Y		CODE: 2016 CBC
S _{DS} (G)	z/h	Fr7 Ip O	SP-AFX4(G)10	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 str	uctural integrity and ma	anufacturer requirement	s for functionality afte	r AC156 test.	•

UUT1701-18	USB Infrared	Adapter DATE:	: 04/05/201	9		
MANUFACTURER:	Philips Medical Syste	m DMC GmbH	÷		21	4
IDENTIFICATION:	4512-201-10483	TO P.				9 6
DESCRIPTION:	Component of the Co Systems Infra-red scanner for the systems.	ombiDiagnost R90 dR registering Skyplate d	0	col		
MOUNTING:	Rigid Base (Countert (2) - #10 self-drilling s		od.			
	DIMENSIONS (in.)			LOWEST	RESONANT FREQUE	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
4.5	6	9.75	1	>50	>50	>50
ICC-ES AC156 SHA	KE TABLE TEST PAR	AMETERS				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 struc	tural integrity and ma	nufacturer requiremer	nts for functionality after	er AC156 test.	



ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT1701- 9	WiFi-Access	Point (Cisco Al	R-SAP1602I-B-	-K9)		
MANUFACTURER:	Cisco	,				
IDENTIFICATION:	4512-201-11791					
DESCRIPTION:	system	CombiDiagnost R90 & D Series 802.11n Dual B				
MOUNTING:		drilling, self-tapping she ga. steel stud backing u				
	DIMENSIONS (in	.)	R CODE	LOWEST	RESONANT FREQU	ENCY (Hz.)
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
8.7	8.7	1.9				
ICC-ES AC156 SH	AKE TABLE TEST PA	RAMETERS	73111 D			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 AC15	6 requirements for stru	uctural integrity and ma	nufacturer requireme	nts for functionality afte	r AC156 test.	

