

# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0755
HCAI Special Seismic Certification Preapproval (OSP)	
Type: X New Renewal	
Manufacturer Information	
Manufacturer: West-Com & TV, Inc.	
Manufacturer's Technical Representative: Bryan McFarlane	
Mailing Address: 780 Chadbourne Road, Suite D, Fairfield, CA 94534	
Telephone: (707) 428-5902 Email: bmcfarlane@we	estcomtv.com
Product Information	Mp,
Product Name: Electrical Control Panels on Life Safety/Critical Branch	1 Star
Product Type: Nurse Call Stations	2
Product Model Number: Novus Connect	
General Description: Two-post server racks and cabinets populated with	h West-Com nurse call equipment.
Mounting Description: Rigid, Floor/Wall Mounted	
Tested Seismic Enhancements: None DATE: 07/17/2023	
	Q
Applicant Information	
Applicant Company Name: TRU Compliance, by Structural Integrity Association	ates
Contact Person: Daniel Zentner	
Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702	
Telephone: (541) 292-5839 Email: dzentner@struct	tint.com
Title: Program Manager	



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

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

OSP-0755

Alla



# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: STRUCTURAL INTEGRITY ASSOCIATES
Name: Mehrshad Ketabdar California License Number: S6105
Mailing Address: 316 E Dexter St, Covina, CA 91723
Telephone: (669) 946-2838 Email: mketabdar@structint.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
FOR CODE CO
Testing Laboratory
Company Name: Pacific Earthquake Engineering Research Center (PEER)
Contact Person: Amarnath Kasalanati
Mailing Address: 1301 South 46th St., Bldg. 420, Richmond CA 94720-1729
Telephone: (510) 642-3437 Email: Amarnath1@berkeley.edu
DATE: 07/17/2023
PLICE
DATE: 07/17/2023



"A healthier California where all receive equitable, affordable, and quality health care" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY Alla



# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

#### Seismic Parameters

Design Bas	is of Equipment or Components	(Fp/Wp) =	1.44 (SDS = 2.0, z/h =	1); 1.13 (SD	OS = 2.5, z/h = 0)
Sds (I	Design spectral response accele	ration at sho	ort period, g) = $2.0$ at z/	h=1, 2.5 at z	z/h=0
ap (Ar	mplification factor) =	1			
Rp (R	esponse modification factor) =	2.5			
Ω0 (S	ystem overstrength factor) =	2.0			
Ip (Im	portance factor) =	1.5			
z/h (H	leight ratio factor) =	1 and 0			
Natur	al frequencies (Hz) =	See Attachr	nent		
	all dimensions and weight =	See Attachr	CONT		
HCAI App	roval (For Office Use Only) -	Approval E	Expires on 07/17/202	9 2	
Date: 7/	17/2023		DSP-0755	F	
Name: M	ohammad Karim		hammad Karim	Title:	Supervisor, Health Facilities
Special Seis	smic Certification Valid <mark>Up to</mark> : SD	s (g) = <u>See</u>	Above	z/h =	See Above
Condition of	f Approval (if applicable):	DATE	07/17/2023		
		PRNIA B	UII DING COT	2022 2022	



"A healthier California where all receive equitable, affordable, and quality health care" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSP-0755

Alla

# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

### 2200208-CR-001-R1



**TABLE 1** 

Manufacturer:	West-0

Model Line:

West-Com & TV Inc. Novus Connect

#### Certified Product Construction Summary:

Two-post server rack populated with West-Com nurse call equipment.

#### Certified Options Summary:

Tested two-post server racks: Eaton SB85219096FB and Chatsworth 13855-X03.

Mounting Configuration:

Base mounted - rigid

FOR CODE CON

Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 202	Seismic C	Certificatio	on Limits:		2.0 g z/h=1.0 2.5 g z/h=0.0	<i>I</i> <sub>P</sub> = <b>1.5</b>	
Model Line	Model	Dir	nensions	(in)5	Weight		UUT
Model Line	Model	Depth	Width	Height	(lbs.)	Notes	001
Norma Carata et	WCTV <mark>-BMS</mark> R-E	BY23.750	hanna	ad <u>Ka</u> rin	n 232	Eaton rack w/ equipment	1
Novus Connect	WCTV-BMSR-C	D/26.0E	24.01	/284.03	265	Chatsworth rack w/ equipment	2
	E.		4	<i>TERET</i>	BBY S	5/	
	10			HAMA			
		P1, MARK			$\nabla$		
		AR		NGC			
			UILD.	INC			

# SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX



Manufacturer: Model Line:	West-Com & TV Inc. Novus Connect						TABL	.E 2
Certified Product Con						I		
	th West-Com nurse call e	equipment.						
Certified Options Sum								
Chatsworth cabinet m	odels as listed below.							
Mounting Configurati	ion:	FOR		)F Co				
Wall mounted - rigid	nust be of similar configuration			and stiffnorr	to these test			
Building Code: CBC 20	S		certificatio		S <sub>DS</sub> =		n=1.0 n=0.0	P= <b>1.5</b>
	4	Dir	nensions	(10)5	Weight			
Model Line	Model	Depth	Width	Height	(lbs.)		Notes	UUT
Novus Connect —	WCTV-WMSR-26	BY <u>12.</u> 00	ha <u>n</u> ma	d 26.0rin	n 77	13050-X13 equipmen	3 cabinet w/ it	4
	WCTV-WMSR-36	DA2.0E:	(26.017	7/236.03	132	13050-X23 equipmen	3 cabinet w/ it	3
				EEEEEE		2		
	Ó			<u> HHHH</u>	41	<u> </u>		
		Vin		MARINE	02/-			
		AB	UIIDI	NG				
						-		
	-	+				-		
	-							
	-							

# SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

#### 2200208-CR-001-R1



Manufacturer: Model Line:	West-Com & TV Inc. Novus Connect			d Cabinets	TABLE 3				
Building Code: CBC 20	22	Seismic Certification Limi				$S_{DS} = 2.0 g z/h = 1.0$ $S_{DS} = 2.5 g z/h = 0.0$	I <sub>P</sub> = 1.5	•	
Model Line (Manufacturer)	Model	Di Depth	mension Width	(in) Height	Weight (lbs.)	DE Co Material	No	otes	UUT
Two Post Seismic Relay Rack (Eaton)	SB85219096FB	15.0	24.75	96.0	130	Carbon steel			1
SeismicFrame Two- Post Rack (Chatsworth)	13855-X03	15.0	24.0	84.0 BY:M	DSP-C 178 ohamm	755 Carbon steel ad Karim			2
ThinLine II Wall-Mount	: 13050-X13	12.0	26.0	26.0	60 • 07/1	Carbon steel			4
Cabinet (Chatsworth)	13050-X23	12.0	26.0	36.0	76	Carbon steel			3
				PAVIA E	UILD	ING CODE			

TRU Compliance, by Structural Integrity Associates, Inc. 844-TRU-0200 | info@trucompliance.com

# SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX



Manufacturer: Model Line:	West-Com & TV Inc. Novus Connect		nents TABL	E 4	
Building Code: CBC 2	022	Seismic Certifica	tion Limits: $S_{DS} = 2.0 g z/h = 1.0$ $S_{DS} = 2.5 g z/h = 0.0$	I <sub>P</sub> = 1.5	
Component Type	Manufacturer	Model	R CODE Description	Notes <sup>1</sup>	υυτ
Controller West-Com Nurse Call Systems		NV-SIPCNTR/PoE	PoE Embedded Controller, 5W	1.2 lb. For two-post rack installations: Maximum install height of RMU 11.	1,2,4
Network Switch West-Com Nurse Call		NV-PoE48	PoE switch, 48 port, 100-240 VAC, 370VA	8.6 lb. For two-post rack installations: Maximum install height of RMU 7.	1,2,3,4
		NV-PoE24	PoE switch, 24 port, 100-240 VAC, 185VA	8.6 lb. For two-post rack installations: Maximum install height of RMU 10.	1,2,4
Patch Panel	West-Com Nurse Call Systems	NV-PATCH	24 port patch panel	1 lb. For two-post rack installations: Maximum install height of RMU 9.	1,2,3,4
UPS	Schneider Electric	SRT2200RMXLA	APC Smart-UPS, 1.8kW, 2.2kVA	55 lb. For two-post rack installations: Must be installed in bottom two RMUs	. 1,2,3
		PRAVIA	BUILDING		
Notes:					



UUT	ine: Novus Connect Unit Description	Report Number	Testing Lab	Year	ISO 17025	S <sub>DS</sub>	z/h	Ι <sub>Ρ</sub>
1	WCTV-BMSR-E - server rack (SB85219096FB) w/ equipment	2200208-TR-001	Pacific Earthquake Engineering Research Center (PEER)	<b>Tested</b> 2022	Accredited? Yes	2.0 2.5	1.0 0.0	1.5
2	WCTV-BMSR-C - server rack (13855-X03) w/ equipment	2200208-TR-001	Pacific Earthquake Engineering Research Center (PEER)	2022	Yes	2.0 2.5	1.0 0.0	1.5
3	WCTV-WMSR-36 - wall cabinet (13050-X23) w/ equipment	2200208-TR-001	Pacific Earthquake Engineering Research Center (PEER)	2022	Yes	2.0 2.5	1.0 0.0	1.5
4	WCTV-WMSR-26 - wall cabinet (13050-X13) w/ equipment	2200208-TR-001	Pacific Earthquake Engineering Research Center (PEER)	2022	Yes	2.0 2.5	1.0 0.0	1.5
		o BY: Mol	hammad Karim					
		E DATE:	07/17/2023	922				
		FORNIA R		54-1				
		I B(	JILDING					
lotes:								



Manufacturer:	West-Com	ı & TV Iı	nc.						_			
Model Line:	Novus Cor	nnect							L	UUT 1		
Model Number:	WCTV-BM	SR-E				Serial Nu	mber:	N/A				
Product Construc	tion Summary:											
Eaton SB8521909	6FB two post rac	ck (cart	oon steel) wi	th subcom	ponents ins	talled by	West-Co	m & TV In	с.			
Options/Subcom		-		C		<b></b>		-2 Mast C	NI		h = = \	
Controller: NV-SI NV-PoE24 (West-C										-		
(Schneider Electri		-						( Systems	,, <b>ei ei</b> ei	1220011	17(2)	
			EDF	OKC	DDE CO	Mo						
					roperties		Z.					
Weight		Dir	mension (in					t Natural				
(lbs.)	Depth	R	Width		eight55	Front	9-11-1		-Side	Vertical		
232	232   23.75   24.75   96.0   15.48   11     UUT Highest Passed Seismic Run Information   0						.18	17	.29			
Buildin	g Code	P	Test Crit		S <sub>DS</sub> (g)	z/h	Ion I <sub>P</sub>	Δ(σ)	Δ(σ)	Δ(σ)	A <sub>RIG-V</sub> (g)	
					2.0	1.0						
CBC 2022		LC.	ICC-ES AG	C156 07	2.5	0.0	1.5	3.20	2.40	1.67	0.67	
Test Mounting De												
UUT1 is base mou Unit maintained s	-	-	-				iromont	aftor chal	(o tablo t	oct		
Contents were inc	-				er manufact	urer requ	mement	aiter snak	ke lable te	:SL.		



Manufacturer:	West-Com & TV	lnc.				
Model Line:	Novus Connect					UUT 1
Model Number:	WCTV-BMSR-E		Se	erial Number: N/A	\	
Subcomponent Mo	unting Locations:					
			Darah Carefianatian			
			Rack Configuration EATON			
		Position on Rack	SB85219096FB	Position on Rack		
		49		49		
		48 47		48		
		46		46		
		45 44	ORCODECO	45		
		43		$\frac{44}{43}$		
		42		41		
	4	40	TUAI	40		
		38	00D 0755	38		
	A	37	OSP-0755	37 36		
		35		35		
	0	24 33	Mohammad Karir	33		
		32		32		
	C	31 -30	<b>TE:</b> 07/17/2023	30		
	1	29		29 28 27		
	, v	28 27		28		
		26		26		
		26 25 24	ARUIDING	23		
		23 22	BUILDING	26 25 24 23 22 21		
		21		21		
		20 19		20 19 18 17		
		19 18 17		18		
		16		16		
		15 14		15		
		13		13		
		12 11	SIP CONTROLLER	12		
		10	24 PORT SWITCH	10		
		9 8	PATCH PANEL PATCH PANEL	9		
		7	48 PORT SWITCH PATCH PANEL	7		
		6 5	PATCH PANEL	6		
		4	48 PORT SWITCH PATCH PANEL	4		
		2	UPS	2		
		1	SRT2200RMXLA	1		



Manufacturer:	West-Com	1 & TV Inc.						_			
Model Line:	Novus Coi	nnect						UUT 2			
Model Number:	WCTV-BM	SR-C			Serial Nu	mber:	N/A				
Product Construe	ction Summary:						-				
Chatsworth 1385	5-X03 two post ra	ack (carbon steel) w	ith subcon	nponents ir	nstalled b	y West-C	Com & TV I	nc.			
Options/Subcom	nonent Summar	·1/•									
	-	st-Com Nurse Call S	Systems): N	etwork Sv	vitch: NV-	-PoF48 ()	x2. West-C	om Nurse	e Call Syst	tems).	
		Systems); Patch Pai	-						-		
		ponent mounting lo					-				
		EDF	OK CC		ONA						
		L. Y.L.	UUT Pr	operties		-					
Weight		Dimension (in)	Ant Mart Marant			Lowes	st Natural	Frequen	cy (Hz)		
(lbs.)	Depth	Width	OSHe	ight55	Front	-Back	Side	-Side	e Vertical		
265	26.0	24.0	8	4.0	22.	.69	15	15.08		15.10	
		UUT Highes	st Passed S	eismic Run	Informat	tio <mark>n</mark>					
Buildir	ng Code	Test Crit	eria	S <sub>DS</sub> (g)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)	
CBC	2022		<b>15</b> 6 07/	17/202 2.5	3 1.0 0.0	1.5	3.20	2.40	1.67	0.67	
	-	g (4) 3/4" grade 5 b					- <b>f</b> t	ا با الملام	4		
	-	ty and remained fu per operating conc		r manutact	turer requ	urement	after shal	ke table te	est.		
ontents were in	ciudea in testing	, per operating cond	intions.								



Manufacturer:	West-Com & TV I	าс.			
Model Line:	Novus Connect				UUT 2
Model Number:	WCTV-BMSR-C				
Subcomponent Mo			Serial Nun	nber: N/A	
			Rack Configuration		
		Position	CHATSWORTH 13855-X03	Position	
		on Rack	13033-703	on Rack 44	
		44		44	
		42		42	
		41	RCODECO	41 40	
		39	OR CODE CONISL	39	
		38		38	
		37		37	
		35		35	
	REL	24	OSP-0755	24	
		33 32		33	
		B 3r	Mohammad Karim	31	
		30		30	
		D 28	TE: 07/17/2023	29	
		D 28 27	L. 01/11/2023	27	
	í.	26 25		26	
		23		24	
		23		23	
		24 23 22 21	BUILDING CODE	22 21	
		20	DOILDING	20	
		19		19	
		18 17		18 17	
		16		16	
		15		15	
		14		14	
		12		12	
		11	SIP CONTROLLER 24 PORT SWITCH	11	
		9	PATCH PANEL	9	
		8	PATCH PANEL	8	
		7	48 PORT SWITCH PATCH PANEL	7	
		5	PATCH PANEL	5	
		4	48 PORT SWITCH	4	
		3	PATCH PANEL UPS	3	
		2	SRT2200RMXLA	2	

#### 2200208-CR-001-R1



Manufacturer:	West-Com	West-Com & TV Inc.										
Model Line:	Novus Con	Connect							UUT 3			
Model Number:	WCTV-WMS	SR-36	Serial Nu	ımber:	N/A							
<b>Product Construc</b> Chatsworth 13050	-	rbon steel) with su	lbcompor	nents installe	d by Wes	t-Com & <sup>-</sup>	ΓV Inc.					
<b>Options/Subcom</b> <b>Network Switch:</b> SRT2200RMXLA (S	NV-PoE48 (West-	-Com Nurse Call S	ystems); I				est-Com N	lurse Call	Systems	; UPS:		
		E CAR		Properties		T						
Weight		Dimension (in						t Natural Frequen				
(lbs.)	Depth	Width	USH	OSHeight55		Front-Back		Side-Side		Vertical		
132	12.0	26.0		36.0	N/A		N/A		N/A			
Duildin	- Cada	Test Crit		Seismic Run								
Building Code CBC 2022			<b>S<sub>DS</sub> (g)</b> 7/ <del>17/202</del> 2.5	z/h 3 1.0 0.0	І <sub>Р</sub> 1.5	А <sub>FLX-H</sub> (g) 3.20	<b>А<sub>RIG-H</sub> (g)</b> 2.40	<b>Α<sub>FLX-V</sub> (g)</b> 1.67	<b>А<sub>RIG-V</sub> (g)</b> 0.67			
Test Mounting De												
UUT3 is wall mou		(4) 1/2" grade 5 bo y and remained fu					after shal	(e table t	st			

Contents were included in testing per operating conditions.

### 2200208-CR-001-R1



Manufacturer:	West-Com	۱&TV In	с.									
Model Line:	Novus Coi	nnect							ļ	JUT	4	
Model Number:	WCTV-WM	ISR-26	SR-26				ımber:	N/A	Α			
<b>Product Construc</b> Chatsworth 1305(	-	arbon st	eel) with subc	componer	nts installe	d by Wes	t-Com & ገ	ΓV Inc.				
Options/Subcom Controller: NV-SI	PCNTR/PoE (We	st-Com	-						Nurse Ca	ıll System	ıs), NV-	
PoE24 (West-Com	i Nurse Call Syst	ems); Pa		R CO	DE		e Call Sys	stems)				
		Ľ		UUT Pr	operties		T					
Weight		Dimension (in)						t Natural Frequen				
	(lbs.) Depth		Width		OS Height 55		Front-Back		Side-Side		Vertical	
77	12.0	26.0		26.0		N/A		N/A		N/A		
Puildin	a Codo	Ρ	UUT Highest Test Criter					<b>A</b> (~)	<b>A</b> (~)	A (~)	<b>A</b> (-)	
Building Code CBC 2022		C	ICC-ESAC156 07/		<b>S<sub>DS</sub> (g)</b> 172.0 2.5	z/h 3 1.0 0.0	I <sub>Р</sub> 1.5	а <sub>ғіх-н</sub> (g) 3.20	<b>А<sub>RIG-H</sub> (g)</b> 2.40	<b>А<sub>FLX-V</sub> (g)</b> 1.67	А <sub>RIG-V</sub> (g) 0.67	
Test Mounting De												
UUT4 is wall mou Unit maintained s	-	-	-					after shal	ke table te	est.		

Contents were included in testing per operating conditions.