

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY				
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0471				
HCAI Special Seismic Certification Preapproval (OSP)					
Type: New X Renewal					
Manufacturer Information					
Manufacturer: TOSHIBA INTERNATIONAL CORPORATION					
Manufacturer's Technical Representative: Tiffany Tye					
Mailing Address: 13131 West Little York Road, Houston, TX 77041					
Telephone: (855) 803-7087 Email: tiffany.tye@toshiba.	com				
FORCODECON					
Product Information	0				
Product Name: UPS and Batteries	1 P				
Product Type: UPS OSP-0471	1.7				
Product Model Number: 4400 Uninterruptible Power Systems	m				
General Description: Uninterruptible Power Supply, battery cabinets, & sup	port c <mark>abine</mark> ts.				
Mounting Description: Rigid, Floor/Wall Mounted					
Tested Seismic Enhancements: Seismic enhancements made to the test un anomalies during the tests shall be incorpor	its and/or modifications required to address rated into the production units.				
Applicant Information	4				
Applicant Company Name: Manwill Engineering LLC					
Contact Person: Derek Manwill					
Mailing Address: PO Box 1194, Bend, OR 97709					
Telephone: (541) 241-2102 Email: derek@manwillse.c	om				

Title: President

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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSP-0471

HCA



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Resp	oonsible for the Engineering and Test Report(s)
Company Name: MANWILL ENGINEERING LLC	
Name: Derek Manwill	California License Number: S6266
Mailing Address: PO Box 1194, Bend, OR 97709	
Telephone: (541) 241-2102	mail: derek@manwillse.com
Certification Method	
GR-63-Core X ICC-ES AC156	□ IEEE 344 □ IEEE 693 □ NEBS 3
Other (Please Specify):	
E	ORCODECO
Testing Laboratory	MB
Company Name: ENVIRONMENTAL TESTING LAB	ORATORIES, INC. (ETL)
Contact Person: Jeremy Lange	2
Mailing Address: 11034 Indian Trail, Dallas TX 7522	05P-0471
Telephone: (972) 247-9657	mail: Jeremy@etIdallas.com
DAT	E: 08/16/2022
PNI	
CHEROP DAT	BUILDING

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HCAi



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

Seismic Parameters

Design Basis of Equipment or Compo	nents (Fp/Wp) =1.50 (SDS=2.00, z/h=1), 1.13 (SDS	S=2.50, z/h=0)
SDS (Design spectral response	acceleration at short period, g) = $2.00 (z/h)$	1=1), 2.50 (z	z/h=0)
ap (Amplification factor) =	2.5		
Rp (Response modification factor	or) = 6.0		
Ω_0 (System overstrength factor)) = 2.0		
Ip (Importance factor) =	1.5		
z/h (Height ratio factor) =	1 and 0		
Natural frequencies (Hz) =	See Attachment		
Overall dimensions and weight	= See Attachment		
HCAI Approval (For Office Use O	nly) - Approval Expires on 08/16/202	8 7	
Date: 8/16/2022	SP-0471	G	
Name: Mohammad Karim		Title:	Supervisor, Health Facilities
Special Seismic Certification Valid Up	to: SDS (g) = See Above	z/h =	See Above
Condition of Approval (if applicable):	DATE: 08/16/2022	Jo	
	PRIMA BUILDING CO	102	

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ATTACHMENT 1: CERTIFIED COMPONENTS

SPECIAL SEISMIC CERTIFICATION

TABLE 1

DOCUMENT NO.: 22031CR1.0

TOSHIBA

PRODUCT I	FAMILY: 4400 SE		ERRUPTIE	BLE POWER	R SYSTEMS		
MODEL NU	MRED	DI	MENSIONS	(in)	MAX. WT.	DESCRIPTION / NOTES	BASIS
		DEPTH	WIDTH	HEIGHT	(lb)	DESCRIPTION / NOTES	DAGIO
4400 UPS			-				
4400F3F100n	inBnn-S	37.4	20.1	65.1	725	10kVA w/ backup batteries	EXTRAP
4400F3F150n	inBnn-S	37.4	20.1	65.1	725	15kVA w/ backup batteries	EXTRAP
4400F3F200n	inBnn-S	37.4	20.1	65.1	725	20kVA w/ backup batteries	EXTRAP
4400F3F250n	inBnn-S	37.4	20.1	65.1	725	25kVA w/ backup batteries	EXTRAP
4400F3F300n	inBnn-S	37.4	20.1	65.1	725	30kVA w/ backup batteries	EXTRAP
4400F3F300X	(ABNX-S	37.4	20.1	65.1	806	30kVA w/ backup batteries	UUT 10
4400n3n100n	nXnn-S	37.4	20.1	65.1	981	10kVA w/ up to 2 transformers	INTERP
4400n3n150n	nXnn-S	37.4	20.1	65.1	981	15kVA w/ up to 2 transformers	INTERP
4400n3n200n	nXnn-S	37.4	20.1	65.1	981	20kVA w/ up to 2 transformers	INTERP
4400n3n250n	nXnn-S	37.4	20.1	65.1	981	25kVA w/ up to 2 transformers	INTERP
4400n3n300n		37.4	20.1	65.1	981	30kVA w/ up to 2 transformers	INTERP
4400S3K300>	KAXNX-S	37.4	20.1	65.1	981	30kVA w/ 2 transformers	UUT 11
4400F3F400n	nBnn-S	37.2	32.1	5P73.647	1,917	40kVA w/ backup batteries	INTERP
4400F3F500n		37.2	32.1	73.6	1,917	50kVA w/ backup batteries	INTERP
4400F3F500X		37.2	32.1	73.6	1,917	50kVA w/ backup batteries	UUT 9
4400n3n400n		37.2	32.10h	am _{73.6} ad	Ka _{1,620}	40kVA w/ up to 2 transformers	INTERP
4400n3n500nnXnn-S		37.2	32.1	73.6	1,620	50kVA w/ up to 2 transformers	INTERP
4400n3n600nnXnn-S		37.2	32.1	73.6	1,640	60kVA w/ up to 1 transformer	INTERP
4400n3n800nnXnn-S		37.2	A _{32.1}	0873.6	1,640	80kVA w/ up to 1 transformer	INTERP
4400S3F800XAXNX-S		37.2	32.1	73.6	1,640	80kVA w/ 1 transformer	UUT 8
4400 Auxiliary		51.2	32.1	13.0	1,040	out va wint transionner	0010
440A100nFnn		37.4	20.1	65.1	383	10kVA w/ or w/o MBS/PDP	EXTRAP
440A100nFnn 440A150nFnn		37.4	20.1	65.1			
					383	15kVA w/ or w/o MBS/PDP	EXTRAP
440A200nFnn		37.4	20.1	65.1	383	20kVA w/ or w/o MBS/PDP	EXTRAP
440A250nFnn		37.4	20.1	65.1	383	25kVA w/ or w/o MBS/PDP	EXTRAP
440A300nFnr		37.4	20.1	65.1	383	30kVA w/ or w/o MBS/PDP	EXTRAP
440A300MFP		37.4	20.1	65.1	383	30kVA w/ MBS/PDP	UUT 13
440A400nFnr		37.2	32.1	73.6	517	40kVA w/ or w/o MBS/PDP/SubFeed	INTERP
440A500nFnr		37.2	32.1	73.6	517	50kVA w/ or w/o MBS/PDP/SubFeed	INTERP
440A600nFnn		37.2	32.1	73.6	517	60kVA w/ or w/o MBS/PDP/SubFeed	INTERP
440A800nFnn	-	37.2	32.1	73.6	517	80kVA w/ or w/o MBS/PDP/SubFeed	INTERP
440A800MFS		37.2	32.1	73.6	517	80kVA w/ MBS/PDP/SubFeed	UUT 12
4400 Battery (a c :	a= -			
440B300017E		37.4	20.1	65.3	1,224	30kVA w/ Enersys HX-205 batteries	UUT 15
440B500020E		37.2	32.1	73.6	2,389	50kVA w/ Enersys HX-400 batteries	INTERP
440B800010E		37.2	32.1	73.6	2,389	80kVA w/ Enersys HX-400 batteries	INTERP
440B800010E	R111X-S	37.2	32.1	73.6	2,389	80kVA w/ Enersys HX-400 batteries	UUT 14
MOUNTING:	Rigid floor and wall m	nounted.			SEISMIC LEVELS:	$S_{DS} = 2.0g$ for z/h = 1 $S_{DS} = 2.5g$ for z/h = 0	I _P = 1.5
NOTES:	Image: Subsection of the section of						

www.manwillSE.com

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ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

DOCUMENT NO.: 22031CR1.0

UUT 8

MANUFAC	TURER:	TOSHIBA	INTERNATIC	NAL CO	RPOR	ATION
MODEL NU	JMBER:	4400S3F8	00XAXNX-S			
UNIT FUNC	CTION:	UPS				
SERIAL NU	JMBER:	15032501	SU			
DIN	MENSIONS	(in)	WEIGHT	RES.	. FRE	Q. (Hz)
DEPTH	WIDTH	HEIGHT	(lb)	F-B	S-S	V
37.2	32.1	73.6	1,640	N/A	N/A	N/A
CODE & C	RITERIA:	2019 CBC	;	ICC-ES AC156		
TEST LAB	ORATORY:	ENVIRONMENTAL TESTING LABORATORY				
REPORT &	DATE:	SQ37-1502-01, Rev. 3 December 31, 2018			1, 2018	
			= • 1, 1.011 0			
S _{DS} (g)	z/h	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V}		A _{RIG-V} (g)
		A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V}	(g) /	
S _{DS} (g)	z/h		,		(g) /	A _{RIG-V} (g) 0.68
S _{DS} (g) 2.0 2.5	z/h 1 0	A _{FLX-H} (g)	А _{RIG-H} (g) 2.40	A _{FLX-V}	(g) /	
S _{DS} (g) 2.0 2.5 IMPORT, Unit was f	z/h 1 0 ANCE FAC ⁻ ull of operatin	A _{FLX-H} (g) 3.20	A _{RIG-H} (g) 2.40 5 ing the shake	A _{FLX-V} 1.68 table tes	(g)	0.68 ODE



requirement after shake	e table test.
MOUNTING:	Rigid floor and wall mounted. Unit base is mounted using (4) 1/2in Grade 8 bolts. Unit top is mounted with the seismic wall mount bracket using (3) 3/8in ASTM A574 socket head bolts.
CONSTRUCTION:	Painted carbon steel enclosure and framing. 4 / 1
SUBCOMPONENTS:	Subcomponents are uniquely identified by the model number.

UUT 9

MANUFAC	TURER:	TOSHIBA	INTERNATIO	ONAL CORPO	ORATION	- Cha			Sec.		
MODEL NU	IMBER:	4400F3F5	00XABNX-S	JATE:	08/16/2	2022		5	ž.		
UNIT FUNC	TION:	UPS		122222222222	aaaa see see aa	89389388	SS C			No.	
SERIAL NU	JMBER:	15110038		ANN ANN AN			SSX A	7/ E		100 C	
DIN	MENSIONS	(in)	WEIGHT	RES. FF	REQ. (Hz)		L				
DEPTH	WIDTH	HEIGHT	(lb)	F-B S	-S V		OY/			ull m	
37.2	32.1	73.6	1,917	N/A N	J/A N/A					1	
CODE & CI	RITERIA:	2019 CBC		ICC-ES A		IG Y	-	10			
TEST LAB	ORATORY:	ENVIRON	MENTAL TE	STING LABO	RATORY			12 14	4		
REPORT &	DATE:	SQ37-150	2-01, Rev. 3	Decembe	r 31, 2018			A AL	THE ALL IN		
S _{DS} (g)	z/h	А _{FLX-Н} (g)	А _{кід-н} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			1 Vio			
2.0	1	3.20	2.40	1.68	0.68						
2.5	0	3.20	2.40	1.00	0.00	1		-			
Unit was fu maintained	ull of operatin	FOR, $I_P = 1.5$ g content durities tegrity and reprise table test.	ing the shake				1				-
MOUNTING	:	-	and wall mou all mount brac				,		ts. Unit top	is mounted	with
CONSTRU	CTION:	Painted ca	arbon steel er	closure and t	framing.						
SUBCOMP			onents are un		-						

TOSHIBA

ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

DOCUMENT NO.: 22031CR1.0

UUT 10

	-					
MANUFAC	TURER:	TOSHIBA	INTERNATIC	ONAL COR	PORA	TION
MODEL NU	JMBER:	4400F3F3	00XABNX-S			
UNIT FUNC	CTION:	UPS				
SERIAL NU	JMBER:	15020210	0			
DIN	IENSIONS	(in)	WEIGHT	RES.	FREQ.	. (Hz)
DEPTH	WIDTH	HEIGHT	(lb)	F-B	F-B S-S	
37.4	20.1	65.1	806	N/A	N/A	N/A
CODE & C	RITERIA:	2019 CBC		ICC-ES	6 AC156	6
TEST LAB	ORATORY:	ENVIRONMENTAL TESTING LABORATORY				
REPORT &	DATE:	SQ37-1502-01, Rev. 3 December 3		ber 31,	2018	
S _{DS} (g)	z/h	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g	g) A _F	RIG-V (g)
2.0	1	3.20	2.40	1.68		0.68
2.5	0	3.20	2.40	1.00		0.00
IMPORTANCE FACTOR, $I_P = 1.5$ Unit was full of operating content during the shake table test. Unit						

maintained structural integrity and remained functional per manufacturer



requirement after shake	a table test.
MOUNTING:	Rigid floor and wall mounted. Unit base is mounted using (4) 1/2in Grade 8 bolts. Unit top is mounted with the seismic wall mount bracket using (2) 3/8in ASTM A574 socket head bolts.
CONSTRUCTION:	Painted carbon steel enclosure and framing.
SUBCOMPONENTS:	Subcomponents are uniquely identified by the model number.

UUT 11

				MMMMMABBB				
MANUFAC	TURER:	TOSHIBA	INTERNATIC	NAL CORPO	DRATION		A CONTRACT	
MODEL NU	MBER:	4400S3K3	00XAXNX-S	AIE:	08/16/	2022	9	
UNIT FUNC	TION:	UPS		1222222222222222	1222 - 2222			
SERIAL NU	IMBER:	15080165	3	ANNANA A	V~ 338		N	
DIN	IENSIONS	(in)	WEIGHT	RES. FR	REQ. (Hz)			
DEPTH	WIDTH	HEIGHT	(lb)	F-B S	-S V		(E)	
37.4	20.1	65.1	981	N/A N	I/A N/A	-		
CODE & CF	RITERIA:	2019 CBC		ICC-ES A	C156	16		
TEST LABO	DRATORY:	ENVIRON	MENTAL TES	STING LABO	RATORY			-
REPORT &	PORT & DATE: SQ3		SQ37-1502-01, Rev. 3		December 31, 2018			Constant III
S _{DS} (g)	z/h	А _{FLX-Н} (g)	А _{гід-н} (g)	A _{FLX-V} (g)	A _{RIG-V} (g			
2.0	1	2 20	2.40	1.68	0.00			
2.5	0	3.20	2.40	1.00	0.68			
Unit was fu maintained	ull of operatin	FOR, $I_P = 1.5$ g content durities the second reprint the second r	ng the shake					
MOUNTING):	Rigid floor and wall mounted. Unit base is mounted us seismic wall mount bracket using (2) 3/8in ASTM A574						nit top is mounted wit
CONSTRU	CTION:	Painted ca	irbon steel en	closure and f	raming.			
SUBCOMP	ONENTS:	Subcompo	onents are un	quely identifi	ed by the m	odel number.		

TOSHIBA

ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

DOCUMENT NO.: 22031CR1.0

UUT 12

MANUFAC	TURER:	TOSHIBA INTERNATIONAL CORPORATION						
MODEL NU	JMBER:	440A800N	IFS3CPXXX-	S				
UNIT FUNC	CTION:	AUXILIAR	Y CABINET					
SERIAL NU	JMBER:	15032502	SU					
DIN	IENSIONS	(in)	WEIGHT	RES	. FREG	ຊ. (Hz)		
DEPTH	WIDTH	HEIGHT	(lb)	F-B	S-S	V		
37.2	32.1	73.6	517	N/A	N/A	N/A		
CODE & C	RITERIA:	2019 CBC ICC-ES AC156			56			
TEST LAB	ORATORY:	ENVIRONMENTAL TESTING LABORATORY						
REPORT &	DATE:	SQ37-150	December 31, 2018					
S _{DS} (g)	z/h	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g) A _{RIG}		A _{RIG-V} (g)		
2.0	1	3.20	2.40	1.68	,	0,68		
~ -	0	3.20	2.40	1.00		0.00		
2.5	0				_			

maintained structural integrity and remained functional per manufacturer



requirement after shake	e table test.
MOUNTING:	Rigid floor and wall mounted. Unit base is mounted using (4) 1/2in Grade 8 bolts. Unit top is mounted with the seismic wall mount bracket using (4) 3/8in ASTM A574 socket head bolts.
CONSTRUCTION:	Painted carbon steel enclosure and traming. 4 /
SUBCOMPONENTS:	Subcomponents are uniquely identified by the model number.

UUT 13

				UNIVIVIA PARA			
MANUFACTURER: TOSHIBA INTERNATIONAL CORPORATION							
MODEL NU	MODEL NUMBER: 440A300MFPX-S				08/	10/2	
UNIT FUNC	CTION:	AUXILIAR	Y CABINET				
SERIAL NU	JMBER:	15032503	15032503SU				
DIN	IENSIONS	(in)	WEIGHT	RES. FREQ. (Hz)			
DEPTH WIDTH		HEIGHT	(lb)	F-B	S-S	V	
37.4	20.1	65.1	383	N/A	N/A	N/A	
CODE & CI		2019 CBC		ICC-ES	AC156	AIC	
	ORATORY:	-		MENTAL TESTING LABORATORY			
REPORT &	DATE:	SQ37-150	2-01, Rev. 3	. 3 December		J18	
S _{DS} (g) z/h		A _{FLX-H} (g)	А _{гід-н} (g)	A _{FLX-V} (g) A _{RIG}	A _{RIG-V} (g)	
2.0 1		3.20	2.40	1.68	0	0.68	
2.5	0	5.20	2.40	1.00 0.00			
Unit was fo maintaineo	IMPORTANCE FACTOR, $I_P = 1.5$ Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.						
MOUNTING: Rigid floor and wall mounted. Unit base is mounted using (4) 1/2in Grade 8 bolts. Unit top is mounted seismic wall mount bracket using (2) 3/8in ASTM A574 socket head bolts.							
CONSTRUCTION: Painted carbon steel enclosure and framing.							
SUBCOMPONENTS: Subcomponents are uniquely identified by the model number.							

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ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

SPECIAL SEISMIC CERTIFICATION

UUT 14

DOCUMENT NO.: 22031CR1.0

MANUFAC	TURER:	TOSHIBA	INTERNATIO	NAL CC	RPORA	TION			~ /			
MODEL NUMBER: 440B800010ER111X-S								-			L.	
UNIT FUNC	TION:	BATTERY	CABINET						-			
SERIAL NU	JMBER:	15080153	7				-	-				
DIN	IENSIONS	(in)	WEIGHT	RES	. FREQ	. (Hz)	1		-			
DEPTH	WIDTH	HEIGHT	(lb)	F-B	S-S	V	and the second		1			
37.2	32.1	73.6	2,389	N/A	N/A	N/A	1.00					
CODE & CI	RITERIA:	2019 CBC		ICC-E	S AC15	6						-
TEST LAB	ORATORY:	ENVIRONMENTAL TESTING LABORATORY										There
REPORT &	DATE:	SQ37-150	2-01, Rev. 3	Dece	December 31, 2018						- SIMPLE	a martin
S _{DS} (g) z/h		A _{FLX-H} (g)	А _{кід-н} (g)	A _{FLX-V} (g) A _{RIG-V}		RIG-V (g)					MAL S	
2.0	1	3.20 2.40		1.68 0.68						HILL IN	-	
2.5	0	5.20	2.40	1.00		0.00					unit	
Unit was fu maintained	ANCE FACT ull of operation d structural int nt after shake	g content dur tegrity and re	ing the shake			turer		2Mjs		~		
MOUNTING: Rigid floor and wall mounted. Unit base is mount seismic wall mount bracket using (4) 3/8in ASTM										bolts. Uni	t top is moun	ted with
CONSTRUCTION: Painted carbon steel enclosure and framing. 471						121			-			
SUBCOMP	ONENTS:	Subcomponents are uniquely identified by the model number.										

UUT 15

				INNNNNNNN					
MANUFACTURER: TOSHIBA INTERNATIONAL CORPORATION									
MODEL NU	JMBER:	440B3000	440B300017ER111X-S ALE: 08/10/2						
UNIT FUNC		BATTERY CABINET							
SERIAL NU	JMBER:	140401513							
DIN	MENSIONS	(in)	WEIGHT	RES. FF	REQ. (Hz)				
DEPTH WIDTH		HEIGHT	(lb)	F-B S	6-S V				
37.4	20.1	65.3	1,224	N/A	V/A N/A				
CODE & C	RITERIA:	2019 CBC		ICC-ES A	C156				
-	ORATORY:	ENVIRON	ENVIRONMENTAL TESTING LABORATORY						
REPORT &	DATE:	SQ37-150	SQ37-1502-01, Rev. 3		December 31, 2018				
S _{DS} (g) z/h		A _{FLX-H} (g)	А _{гід-н} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)				
2.0 1		3.20	2.40	1.68	0.68				
2.5	0	5.20	2.40	1.00 0.00					
Unit was f	IMPORTANCE FACTOR, $I_P = 1.5$ Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.								
MOUNTING: Rigid floor and wall mounted. Unit base is mount seismic wall mount bracket using (3) 3/8in ASTM									
CONSTRUCTION: Painted carbon steel enclosure and framing.									
SUBCOMP	UBCOMPONENTS: Subcomponents are uniquely identified by the mod								

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TOSHIBA

ATTACHMENT 3: MODEL NOMENCLATURE

SPECIAL SEISMIC CERTIFICATION

DOCUMENT NO.: 22031CR1.0

4400 UPS

	DIGIT: 1 2 3 4 5 6 7 8 9 10			13					
SAMPLE		0 0	11 12 F A	B					
DIGIT	DIGIT DESCRIPTION		COD						
1-2	Product Line		44		4400 Series				
3-4	Product Version		00		UPS Voltage Topology 208/120 In and Out (3Phase/4 Wire+G)				
5	Input Voltage		В		208V Iso Xfmr (3-Phase/3-Wire +Gnd)				
			F		208/120V 4 wire + Gnd – (UPS Voltage platform, No Transformer)				
			Н		380/220V Auto-Xfmr (3-Phase/4-Wire +Gnd)				
			I		400/230V Auto-Xfmr (3-Phase/4-Wire +Gnd)				
			J		415/240V Auto-Xfmr (3-Phase/4-Wire +Gnd)				
			К		480/277V Auto-Xfmr (3-Phase/4-Wire +Gnd)				
			M	5	380V Iso Xfmr (3-Phase/3-Wire +Gnd)				
		20	RN	JL	400V Iso Xfmr (3-Phase/3-Wire +Gnd)				
		, FV	Р		415V Iso Xfmr (3-Phase/3-Wire +Gnd)				
	A LEAD		S		480V Iso Xfmr (3-Phase/3-Wire +Gnd)				
			X		No separate Alternate bypass (11th digit only)				
6	Input/Output Phases	1	3		3 Phase Input/3 Phase Output				
7	Output Voltage Options		See 5	2	Same options as Digit 5				
8-10	kVA Capacity		100	-0	10kVA Output Power				
			150	6666	15kVA Output Power				
		Y: M	200		20kVA Output Power				
		200	ima	25kVA Output Power					
			300		30kVA Output Power				
		лтг	400	14	40kVA Output Power				
		AIC	500	0/ 11	50kVA Output Power				
			600 800		60kVA Output Power				
					80kVA Output Power				
11	Alternate Bypass Voltage	See 5	5	Same options as Digit 5					
12	Output Frequency	M	5		50Hz (Set Hard)				
		$[\Lambda]$	6	M	60Hz (Set Hard)				
		TE	BIATI	D	Auto-sense (Standard)				
13	Internal Batteries		BIL	$-\nu$	Internal Batteries (15 to 50kVA only), no transformers)				
			X		No Internal Batteries				
14	Destination		E		Europe				
4.5			N		North America				
15	OEM Vendor Code		n		Code may vary, specific to OEM Vendor (branding changes only)				
			X		Not used				
16-17	Seismic Construction Designator		D		Seismic Construction				

TOSHIBA

ATTACHMENT 3: MODEL NOMENCLATURE

SPECIAL SEISMIC CERTIFICATION

4400 A	UXILIARY CABINET (10-30	DOCUMENT NO.: 22031CR1.0					
DIGIT: SAMPLE	1 2 3 4 5 6 7 8 9 10 : 4 4 0 A 3 0 0 M F P) 11 12 13 X - S					
DIGIT	DIGIT DESCRIPTION	CODES	DEFINITIONS				
1-2	Product Line	44	4400 Series				
3	Revision Number	0	4400 Revision 0				
4	Product Designator	A	Auxiliary cabinet with MBS/PDU/SubFeed Breakers, no transformer				
5-7	kVA Capacity	100	10kVA Output Power				
		150	15kVA Output Power				
		200	20kVA Output Power				
		250	25kVA Output Power				
		300	30kVA Output Power				
8	MBS Option	M	3 breaker scheme with SKRU				
		RXUUL	No MBS installed				
9	MBS Voltage	FTYTYTY	208/120V 4 wire + Gnd				
		X	No MBS installed				
10	Power Distribution Panel	P N	42-Pole PDP (Power Distribution Panel)				
		[blank]	Blank if no Power Distribution Panel installed				
11	OEM Vendor Code	n	Code may vary, specific to OEM Vendor (branding changes only)				
		OSP-0	4 Not used				
12-13	Seismic Construction Designator	D	Seismic Construction				



TOSHIBA

ATTACHMENT 3: MODEL NOMENCLATURE

SPECIAL SEISMIC CERTIFICATION

4400 AI	UXILIARY CABINET (40-80	kVA)		DOCUMENT NO.: 22031CR1.0				
DIGIT:		11 12 13						
SAMPLE:			3 A P - S	<u> - - - - - - - - - -</u>				
DIGIT	DIGIT DESCRIPTION	CODES	DEFINITIONS					
1-2	Product Line	44	4400 Series					
3	Revision Number	0	4400 Revision 0					
4	Product Designator	A		ith MBS/PDU/SubFeed Breakers, no transforme				
5-7	kVA Capacity	400	40kVA Output Pow					
			500 50kVA Output Power					
		600	60kVA Output Pow					
		800	80kVA Output Pow					
8	MBS Option	M	3 breaker horizontal line-up with SKRU					
_	NDO V/ It	XCO	No MBS installed	0				
9	MBS Voltage	KFUUL	208/120V 4 wire +	Gnd				
10	Deven Distribution Development I ST	X	No MBS installed					
10	Power Distribution Panel located at Tope-Lef		42-Pole PDP (Power Distribution Panel)					
	Silot	S	SubFeed Breaker Panel No distribution module installed					
		x						
11	Number of SubFeed Breakers located at Top Left Slot		1 SubFeed Breake					
		U2P-0	2 F-U4 2 SubFeed Breakers 3 3 SubFeed Breakers					
		X		er module installed				
12	Amparage of SubFeed Breekers leasted at	tohamma						
12	Amperage of SubFeed Breakers located at Top-Left Slot	B						
		С	200A SubFeed Breaker(s)					
		x08/1	No SubFeed break					
13	[50-80kVA] Power Distribution Panel located	P		er Distribution Panel)				
15	at Tope-Right Slot		S SubFeed Breaker Panel					
		X	No distribution module installed					
14	[50-80kVA] Number of SubFeed Breakers		1 SubFeed Breake					
••	located at Top-Right Slot	2	2 SubFeed Breakers					
			3 SubFeed Breakers					
		PGILD	No SubFeed breaker module installed					
15	[50-80kVA] Amperage of SubFeed Breakers	A	100A SubFeed Breaker(s)					
-	located at Top-Right Slot	B	150A SubFeed Breaker(s)					
		C	200A SubFeed Breaker(s)					
		X	No SubFeed breaker module installed					
16	OEM Vendor Code	n		ecific to OEM Vendor (branding changes only)				
		Х	Not used					
17-18	Seismic Construction Designator	D	Seismic Constructi	Seismic Construction				

ATTACHMENT 3: MODEL NOMENCLATURE

SPECIAL SEISMIC CERTIFICATION

4400 BATTERY CABINET

DOCUMENT NO.: 22031CR1.0

TOSHIBA

DIGIT: SAMPLE	1 2 3 4 5 6 7 8 9 10 : 4 4 0 B 8 0 0 0 1 0	11 12 13 E R 1	14 15 16 17 18 -					
DIGIT	DIGIT DESCRIPTION	CODES	DEFINITIONS					
1-2	Product Line	44	4400 Series					
3	Battery Cabinet Factory	0	Toshiba International Corporation Manufactured Battery Cabinet					
4	Product Designator	В	Battery Cabinet					
5-7	kVA Capacity	300	30kVA Output Power					
		500	50kVA Output Power					
		800	80kVA Output Power					
8-10	UPS Estimated Runtime in Minutes @ 0.8PF	010	10 minutes (80kVA)					
	(kVA specific)	017	17 minutes (30kVA)					
		020 20 minutes (50kVA)						
		XXX	Varies for different UPS units					
11	Battery Type	EVOLVY	Enersys					
12	DC Bus Nominal Voltage	R	288V					
13	Number of Cabinets	1	Single Cabinet					
14	Number of Battery Strings in Cabinet	1	1 Battery String					
15	Number of Breakers per Cabinet		1 Breaker per Cabinet					
16	OEM Vendor Code	OSP-0	Code may vary, specific to OEM Vendor (branding changes only)					
		Х	Not used					
17-18	Seismic Construction Designator	D	Seismic Construction					

O BY: Mohammad Karim

