

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

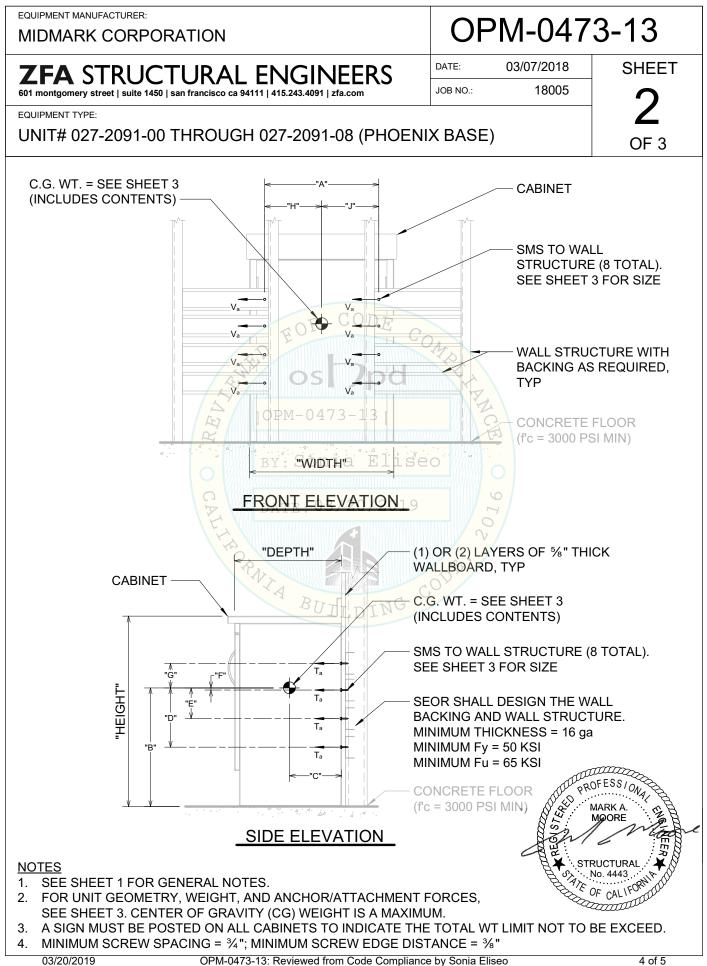
APPLICATION FOR OSHPD PREAPPROVAL	OFFICE USE ONLY					
OF MANUFACTURER'S CERTIFICATION (OPM)		ODM 0470 40				
	APPLICATION #:	OPM-0473-13				
OSHPD Preapproval of Manufacturer's Certification (OPM)						
Type: New Renewal Update to Pre-CBC 2013 C	PA Number:					
Manufacturer Information						
Manufacturer: MIDMARK CORPORATION						
Manufacturer's Technical Representative: Renee Browder						
Mailing Address:60 Vista Drive, Versailles, OH 45380						
Telephone: (937) 526 - 8705	der@midmark.com					
Product Information	APP I'					
Product Name: Midmark Corporation Dental Phoenix Base Cabinet	E.					
Product Type: Cabinet	CE					
027-2091-00, 027-2091-01, 027-2091-02, 0 Product Model Number: 2091-06, 027-2091-07, 027-2091-08	<mark>27-2</mark> 091-0 <mark>3, 02</mark> 7-20	091-04, 027-2091-05, 027-				
General Description: Floor-supported cabinet	0					
I'm A						
Applicant Information	ODÉ					
Applicant Company Name: ZFA Structural Engineers ILDING						
Contact Person: Ryan Bogart						
Mailing Address: 601 Montgomery Street, Suite 1450, San Francisco	o, CA, 94111	_				
Telephone: 415-243-4091 x202 Email: ryanb@)]zfa.com					
I hereby agree to reimburse the Office of Statewide Health F accordance with the California Administrative Code, 2016.	Planning and Dev	velopment review fees in				
Signature of Applicant:	I	Date: 3/12/2018				
Title: Senior Associate Company Name: ZFA St	ructural Engineers					
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	MAMAM	USHPD				
STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-700 (REV 12/16/15)	A A A.A.A.	Page 1 of 2				



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professional Preparing Engineering Recommendations
Company Name: ZFA Structural Engineers
Name: Mark Moore California License Number: S4443
Mailing Address:601 Montgomery Street, Suite 1450, San Francisco, CA, 94111
Telephone:415-243-4091 x201 Email:markm@zfa.com
OSHPD Special Seismic Certification Preapproval (OSP)
 Special Seismic Certification is preapproved under OSP- (Separate application for OSP is required) Special Seismic Certification is not preapproved
Certification Method(s)
Testing in accordance with: ICC-ES AC156 FM 1950-16 Other* (Please Specify):
 *Use of criteria other than those adopted by the California Building Standards Code, 2016 (CBSC 2016) for component supports and attachments are not permitted. For distribution system, interior partition wall, and suspended ceiling seismic bracings, test criteria other than those adopted in the CBSC 2016 may be used when approved by OSHPD prior to testing. Analysis DATE: 03/20/2019 Experience Data Combination of Testing, Analysis, and/or Experience Data (Please Specify):
List of Attachments Supporting the Manufacturer's Certification
 □ Test Report
OFFICE USE ONLY – OSHPD APPROVAL VALID FOR CBC 2016 & ALL PRE-2016 CODE BASED PROJECTS
Signature: Date: 3/20/2019
Print Name: <u>Sonia Eliseo</u> Title: SE
Condition of Approval (if applicable):
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dvnamic Needs" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-700 (REV 12/16/15) Page 2 of 2

EQUIPMENT MANUFACTURER: MIDMARK CORPORATION	OPM-0473-13					
ZFA STRUCTURAL ENGINEERS	DATE:	03/07/2018	SHEET			
601 montgomery street suite 1450 san francisco ca 94111 415.243.4091 zfa.com	JOB NO.:	18005	1			
EQUIPMENT TYPE: UNIT# 027-2091-00 THROUGH 027-2091-08 (PHOENI)	VBVCE	`				
	A DAGE)	OF 3			
<u>TABLE OF CONTENTS</u> GENERAL NOTES ATTACHMENT DETAILS - (FRONT/SIDE ELEVATIONS) CABINET WEIGHTS			2			
GENERAL NOTES 1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFIC/ THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SH						
2. SEISMIC DESIGN FORCES PER ASCE 7-10 SECTION 13.3.1, EQ $S_{DS} = 2.20$, $a_P = 1.0$, $I_P = 1.5 \& R_P = 2.5$, $z/h \le 1.0$. A FACTOR OF 0.7 IS APPLIED TO CALCULATE ASD LOADS. HORIZONTAL FORCE $(E_p) = 1.584$ Wp (UNFACTORED) VERTICAL FORCE $(E_y) \ne 0.440$ Wp (UNFACTORED)	UATIONS	13.3-1, 13.3-2, 13.3	3-3, WHERE:			
3. THE DETAILS IN THIS PRE-APPROVAL MAY BE/USED AT ANY L EXCEED 2.20.		WHERE THE S _{DS}	DOES NOT			
4. ALL SEISMIC AND ANCHOR FORCES SHOWN ON THE DRAWIN SHALL BE USED FOR ALLOWABLE STRESS DESIGN (ASD).	GS ARE U	NFACTORED LOA	ADS THAT			
5. SHEET METAL SCREWS (SMS) SHALL CONFORM TO (CC-ES ES EDGE DISTANCE, SPACING, AND EMBEDMENT THROUGH STU			96. MINIMUM			
6. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATT STRUCTURE. SEE SHEET 2 FOR LIGHT GAGE STEEL MINIMUM			MENT TO			
RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD 7. DESIGN BACKING PLATES, STUDS, ETC. TO WHICH THE UNITS DRAWINGS.		ACHED, AS NOTE	D ON THE			
8. THE SEOR SHALL ALSO VERIFY THE ADEQUACY OF THE STRU (SUCH AS WALLS AND FLOORS) FOR LOADS IMPOSED BY THE						
9. PROVIDE ANY SUPPORTING STRUCTURE REQUIRED TO SUPP ADDITION TO ALL OTHER LOADS.	PORT WEI	GHTS AND FORC	ES SHOWN, IN			
10. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH SHOWN IN THIS DOCUMENT. VERIFY THAT THE ACTUAL EQU (CG) LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS, AND WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORM SHOWN IN THE PRE-APPROVAL DOCUMENTS.	IPMENT W	EIGHT, CENTER	OF GRAVITY			
11. VERIFY THAT THE COMBINATION OF $S_{DS} \& z/h$ RESULT IN SEIS FORCES (E_h , E_v) THAT ARE NOT GREATER THAN THE VALUES THESE GENERAL NOTES.		REQUSITER:	ARK A.			
12. VERIFY THAT THE ATTACHMENTS ARE LOCATED AT AN ADEQ DISTANCE FROM ANY END OR EDGE OF METAL STUD.	UATE		F CALIFORMUL			



MIDMARK CORPORATION

OPM-0473-13

ZFA STRUCTURAL ENGINEERS 601 montgomery street | suite 1450 | san francisco ca 94111 | 415.243.4091 | zfa.com

03/07/2018

DATE:

JOB NO.:

18005

SHEET

3 OF 3

EQUIPMENT TYPE:

UNIT# 027-2091-00 THROUGH 027-2091-08 (PHOENIX BASE)

UNIT # 027-2091-XX

							UNIT "HEIGHT" (in) = 31.69										
UNIT #	D (in)	E (in)	F (in)	G (in)	H (in)	J (in)	B (in)	UNIT "WIDTH"	A (in)	UNIT "DEPTH"	C (in)	UNIT WT	MEDIA WT	TOTAL WT	MAX SCREW LOADING		SMS
	. ,	. ,	. ,	. ,	. ,	. ,	. ,	(in)	. ,	(in)	. ,	(lb)	(lb)	(lb)	Ta	Va	
-00	9.5	4.7	0.0	4.5	3.5	3.5	19.3	12.0	7.0	17.8	8.6	81.0	71.2	152.2	72	21	#14
-01	9.7	5.0	0.2	4.2	5.0	5.0	19.5	15.0	10.0	17.8	8.6	92.3	89.7	182.0	65	25	#14
-02	9.8	5.0	0.3	4.1	6.5	6.5	19.6	18.0	13.0	17.8	8.5	104.7	108.2	212.9	72	30	#14
-03	9.9	5.1	0.4	4.1	8.0	8.0	19.7	21.0	16.0	17.8	8.5	116.9	126.7	243.6	80	34	#14
-04	9.9	5.2	0.4	4.0	9.5	9.5	(19.7 ¹	24.0	19.0	17.8	8.5	129.1	145.2	274.3	88	38	#14
-05	10.0	5.2	0.5	4.0	12.5	12.5	19.8	30.0	25.0	17.8	8.5	156.1	182.2	338.3	105	47	#14
-06	10.0	5.3	0.5	3.9	15.5	15.5	19.9	36.0	31.0	17.8	8.5	179.6	219.1	398.7	121	55	#14
-07	10.1	5.3	0.6	3.9	18.5	18.5	19.9	42.0	37.0	17.8	8.5	203.9	256.1	460.0	138	64	#14
-08	10.1	5.4	0.6	3.8	21.5	21.5	19.9	48.0	43.0	17.8	8.5	228.3	293.1	521.4	154	72	#14

NOTE

OPM-0473-13

1. THIS PRE-APPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM SHOWN IN TABLE.

2. MEDIA WEIGHT IS CALCULATED ACCORDING TO BIFMA FUNCTIONAL LOADING GUIDLINES.

- (ANSI/BIFMA X5.9-2012: TABLE 1- TEST LOADS AS USED FOR SECTION 4 UNIT STRENGTH TESTS)
- 3. À SIGN MUST BE POSTED ON ALL CABINETS TO INDICATE THE TOTAL WT LIMIT NOT TO BE EXCÉED.
- 4. SCREW LOADS ARE ASD LEVEL VALUES.

