

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT **FACILITIES DEVELOPMENT DIVISION**

APPLICATION FOR OSHPD PR	FAPPROVAL	OI	FICE USE ONLY			
OF MANUFACTURER'S CERTI						
OF MANOFACTORER 3 CERTI	FICATION (OFWI)	APPLICATION #:	OPM-0224-13			
	0 44 4 (001)					
OSHPD Preapproval of Manufacturer's	Certification (OPM)					
Type: ☐ New ☐ Renewal ☐ U	Jpdate to Pre-CBC 2013 C	PA Number:				
Manufacturer Information						
Manufacturer: MIDMARK CORPORATION						
Manufacturer's Technical Representative:	oe Martin					
Mailing Address: 60 Vista Drive, Versailles	s, OH 45380					
Telephone: 1-800-MIDMARK, ext. 8446 Email: DJMartin@midmark.com						
Product Information		OND				
Product Name: Midmark Corporation Overh	ond Cabinat DO	Mr.				
		The state of the s				
Product Type: Cabinet	OPM-0224-13	MZ				
12; 027-1941-13; 027-1 <mark>941-1</mark> 9; 027 1941-2 5 ; 027-19	027-1941-14; 027-1941-1 7-1941-20; 027-1941-21; 0 11-26; 027-1941-27; 027-1 027-1941-33; 027-1941-3	<mark>5; 027-1941-16</mark> ; 027 <mark>27-1941-22; 027-</mark> 19 941-28; 027-1941-2	9; 027-1941-24; 027- 9; 027-1941-30; 027-1941-			
General Description: Wall supported cabine	at least the same of the same	(\$) °				
		304				
	BUILDING					
Applicant Information						
Applicant Company Name: ZFA Structural	Engineers					
Contact Person: Mark Moore						
Mailing Address: 100 Bush Street, Suite 1	850, San Francisco, CA, 9	94104				
Telephone: 415-243-4091	Email: markm	@zfa.com				
I hereby agree to reimburse the Office accordance with the California Adminis		Planning and Dev	velopment review fees in			
Signature of Applicant:		Г	Date: 4/06/2015			
Title: Executive Principal (Company Name: ZFA St	ructural Engineers				
		1	OCUIDO			

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

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Registered Design Professional Preparing Engineering Recommendations					
Company Name: ZFA Structural Engineers					
Name: Mark Moore California License Number: 4443					
Mailing Address: _ 100 Bush Street, Suite 1850, San Francisco, 94104					
Telephone: 415-243-4091 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 1950-10 ☐ Other* (Please Specify):					
*Use of criteria other than those adopted by the California Building Standards Code, 2013 (CBSC 2013) 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 2013 may be used when approved by OSHPD prior to testing. Analysis 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 2013 ONLY					
Signature: Date: Date: Doctor: Date: Date:					
Title: SSE					
Condition of Approval (if applicable):					

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





ENG/CKR: ARF

DATE: 06/11/15

15113.10 SCALE:

ZFA STRUCTURAL ENGINEERS

100 bush street suite 1850 | san francisco ca 94104 | 415.243.4091 | www.zfa.com

SHEET NO.:

1/5

OPM-0224-13: EQUIPMENT MANUFACTURER: MIDMARK CORPORATION EQUIPMENT TYPE: OVERHEAD CABINETS

GENERAL NOTES

- 1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2013. THE DEMAND (DESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE CBC 2013.
- 2. FORCES PER ASCE 7-10 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2, 13.3-3, WHERE 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_h) = 1.109 Wp VERTICAL FORCE (E_v) = 0.308Wp

- 3. THE DETAILS IN THIS PRE-APPROVAL MAY BE USED AT ANY LOCATION WITH AN S_{DS} OF 2.20g OR LESS.
- 4. ALL SEISMIC AND ANCHOR FORCES SHOWN ON THE DRAWINGS ARE BASED ON ALLOWABLE STRESS DESIGN.
- 5. SHEET METAL SCREWS (SMS) SHALL CONFORM TO ICC-ES ESR-1976 OR ICC-ES ESR-2196.
- 6. SEE SHEET 2 FOR LIGHT GAGE STEEL MINIMUM SPECIFICATIONS.

RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD (SEOR)

- 7. DESIGN BACKING PLATES, STUDS, ETC. WHICH THE UNITS ARE ATTACHED TO AS NOTED ON THE DRAWINGS. THE SEOR SHALL ALSO VERIFY THE ADEQUACY OF THE STRUCTURES (SUCH AS WALLS AND FLOORS) WHICH SUPPORT THE UNITS FOR ALL LOADS.
- 8. PROVIDE ANY SUPPORTING STRUCTURE REQUIRED TO SUPPORT WEIGHTS AND FORCES SHOWN, IN ADDITION TO ALL OTHER LOADS.
- 9. VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2013 CBC AND WITH THE DETAILS SHOWN IN THIS DOCUMENT. VERIFY THAT THE ACTUAL EQUIPMENT'S WEIGHT, CG LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS AND THE MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN ON THE PRE-APPROVAL DOCUMENTS.
- 10. VERIFY THAT THE COMBINATION OF S_{DS} & z/h RESULT IN SEISMIC FORCES (E_h E_v) THAT ARE NOT GREATER THAN THE VALUES IN THE GENERAL NOTES.
- 11. VERIFY THAT THE ATTACHMENTS ARE LOCATED AT AN ADEQUATE DISTANCE FROM ANY END OR EDGE OF METAL STUD.

MARK A.

JOB NO.: 15113.10

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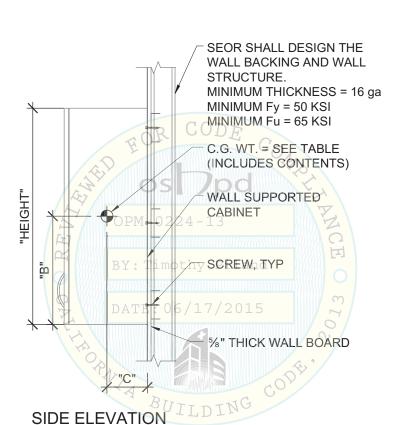
DATE: 06/11/15

SCALE: 3/4" = 1'-0"

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SHEET NO.:



NOTES

- CENTER OF GRAVITY (C.G.) WEIGHT IS A MAXIMUM. THIS PRE-APPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT SHOWN.
- 2. FOR GENERAL NOTES, SEE SHEET 1.
- 3. FOR GEOMETRY, WEIGHT, AND ANCHOR FORCES, SEE SHEETS 4 AND 5.
- 4. MINIMUM SCREW SPACING = 3/4"; MINIMUM EDGE DISTANCE FOR SCREWS = 3/4



ENG/CKR: ARF DATE: 06/11/15 SCALE:

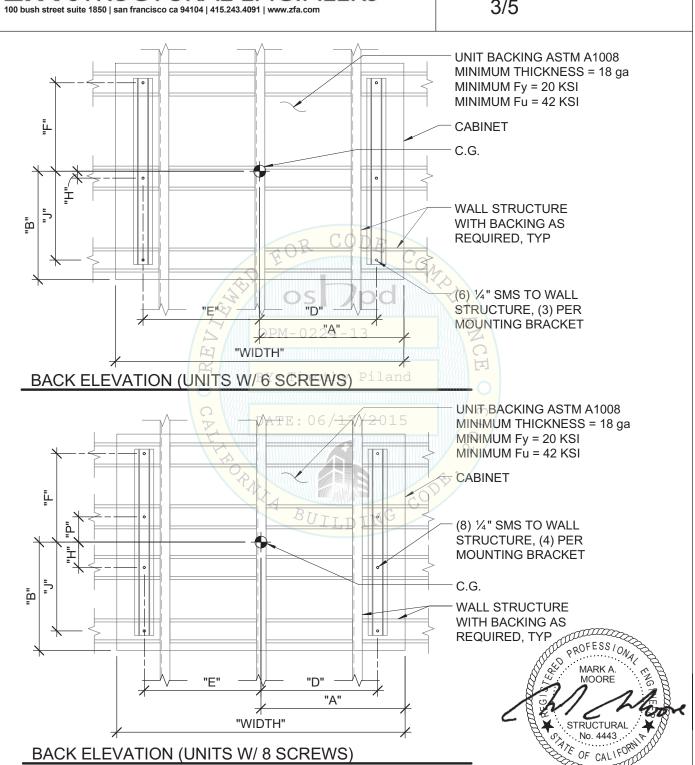
JOB NO.:

SHEET NO.:

3/4" = 1'-0" 15113.10

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ENG/CKR: ARF

DATE: 06/11/15

SCALE:

JOB NO.: 15113.10

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SHEET NO.: 4/5



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DATE: 06/11/15

15113.10 SCALE:

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SHEET NO.:

JOB NO.:

5/5

(
V max (lbs/screw	88	92	104
T max (Ibs/screw)	129	124	140
(in) "P"	4.8	4.8	4.8
J" (in)	11.8	14.8	14.8
(uj)H (u	4.2	4.2	4.2
"F" (in)	11.7	14.7	14.7
.E (in)	19.4	16.4	19.4
(ui)Q	19.4	16.4	19.4
"C" (in)	6.7	6.7	6.7
"B" (in)	15.1	18.1	18.1
"A" (in)	24.0	21.0	24.0
rt (in) Depth (in)	13.8	13.8	13.8
Height (in)	30	36	36
Width (in)	48	42	48
Max Operating Weight (lbs)	407	426	483
Part No.	027-1941-26	027-1941-34	027-1941-35



