



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

**APPLICATION FOR OSHPD PREAPPROVAL OF
MANUFACTURER'S CERTIFICATION (OPM)**

OFFICE USE ONLY

APPLICATION #: OPM-0604

OSHPD Preapproval of Manufacturer's Certification (OPM)

Type: New Renewal/Update

Manufacturer Information

Manufacturer: OFS

Manufacturer's Technical Representative: Donn Mehringer

Mailing Address: 4611 South 400 West, Huntingburg, IN 47542

Telephone: () - Email: dmehringer@ofs.com

Product Information

Product Name: OFS Carolina Mile Marker

Product Type: Base Cabinet

Product Model Number: OFS Carolina Mile Marker Base Cabinets with product numbers ending in BC, BCD, BCDO, BCDGB, BCDD, BCWP, BCP, BSC, BSCFD, OR ADA.

General Description: Floor supported cabinets attached to wall

Applicant Information

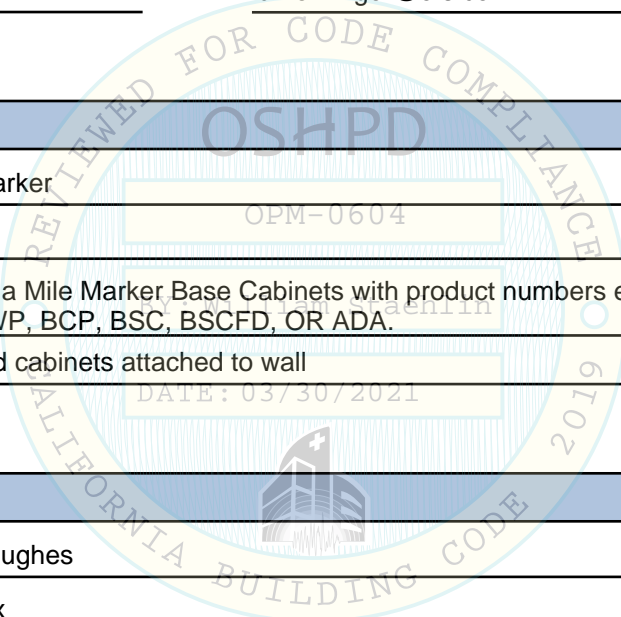
Applicant Company Name: Jensen Hughes

Contact Person: Christopher Hendrix

Mailing Address: 100 Quannapowitt Parkway, Suite 401, Wakefield, MA 01880

Telephone: (857) 259-4968 Email: chendrix@jensenhughes.com

Title: Principal Engineer



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

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





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

Registered Design Professional Preparing Engineering Recommendations

Company Name: JENSEN HUGHES
Name: Kevin Dommer California License Number: CE89829
Mailing Address: 475 Bond Street, Suite 120, Lincolnshire, IL 60069
Telephone: (847) 349-4497 Email: kdommer@jensenhughes.com

OSHPD Special Seismic Certification Preapproval (OSP)

Special Seismic Certification is preapproved under OSP OSP Number: _____

Certification Method

Testing in accordance with: ICC-ES AC156 FM 1950-16
 Other(s) (Please Specify): _____

*Use of criteria other than those adopted by the California Building Standards Code, 2019 (CBSC 2019) 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 2019 may be used when approved by OSHPD prior to testing.

- Analysis
- Experience Data
- Combination of Testing, Analysis, and/or Experience Data (Please Specify): _____

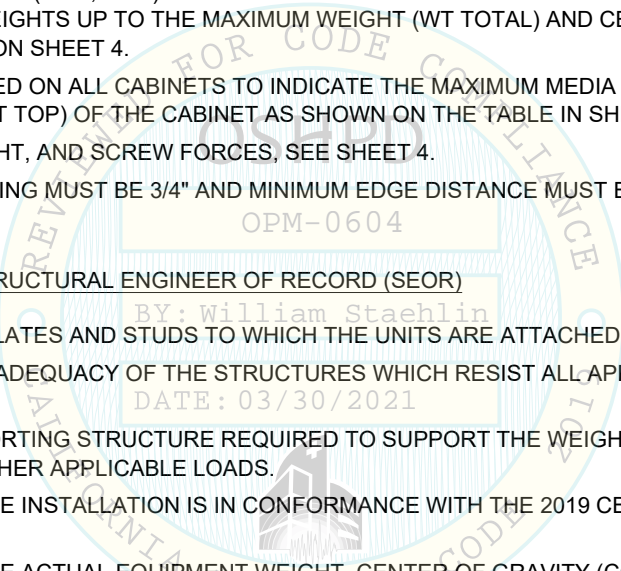
OSHPD Approval

Date: 3/30/2021
Name: William Staehlin Title: Senior Structural Engineer
Condition of Approval (if applicable): _____



GENERAL NOTES

1. THIS OSHPD PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE CBC 2019. THE DEMAND FOR USE WITH THIS OPM MUST BE BASED ON THE CBC 2019.
2. SEISMIC DESIGN FORCES ARE PER ASCE 7-16, WHERE:
 - a. $S_{DS}=2.50G$; $a_p=1.0$; $I_p=1.5$; $R_p=2.5$; $z/h \leq 1.0$
 - b. LRFD: $E_H=1.85W_p$; $E_V=0.51W_p$
 - c. ASD: FACTOR OF 0.7 APPLIED TO LRFD LOADS
3. THE DETAILS IN THIS PREAPPROVAL MAY BE USED AT ANY LOCATION WHERE $S_{DS} \leq 2.50G$ AND $z/h \leq 1.0$.
4. ALL SEISMIC SCREW FORCES SHOWN ON THE DRAWINGS ARE UNFACTORED LOADS THAT MUST BE USED FOR ALLOWABLE STRESS DESIGN (ASD).
5. SHEET METAL SCREWS (SMS) MUST BE ITW BUILDEX TEKS SELF-DRILLING FASTENERS (ESR-1976) OR HILTI SELF-DRILLING AND SELF-PIERCING SCREWS (ESR-2196).
6. SMS MUST CONFORM TO MINIMUM SPACING, EDGE DISTANCE, AND EMBEDMENT THROUGH STUDS PER ESR-1976 OR ESR-2196.
7. THIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCTURE. SEE SHEET 4 FOR LIGHT GAUGE STEEL MINIMUM SPECIFICATIONS.
8. THE CENTER OF GRAVITY (DCG, HCG) SHOWN ON THE DRAWINGS IS A MAXIMUM. THIS PREAPPROVAL ENCOMPASSES ALL WEIGHTS UP TO THE MAXIMUM WEIGHT (WT TOTAL) AND CENTER OF GRAVITY (HCG, DCG) SHOWN IN THE TABLE ON SHEET 4.
9. A SIGN MUST BE POSTED ON ALL CABINETS TO INDICATE THE MAXIMUM MEDIA WEIGHT INSIDE (MEDIA WT INSIDE) AND ON TOP (MEDIA WT TOP) OF THE CABINET AS SHOWN ON THE TABLE IN SHEET 4.
10. FOR GEOMETRY, WEIGHT, AND SCREW FORCES, SEE SHEET 4.
11. MINIMUM SCREW SPACING MUST BE 3/4" AND MINIMUM EDGE DISTANCE MUST BE 3/8".



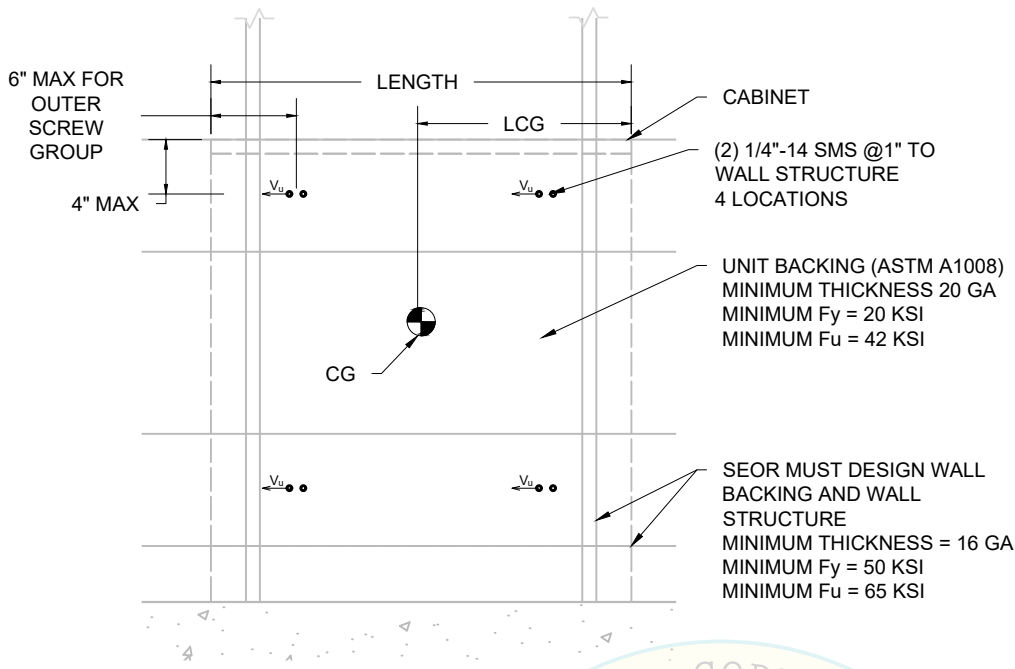
RESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD (SEOR)

12. DESIGN OF BACKING PLATES AND STUDS TO WHICH THE UNITS ARE ATTACHED, AS NOTED ON THE DRAWINGS.
13. VERIFICATION OF THE ADEQUACY OF THE STRUCTURES WHICH RESIST ALL APPLICABLE LOADS CAUSED BY THE ITEMS HEREIN.
14. DESIGN OF ANY SUPPORTING STRUCTURE REQUIRED TO SUPPORT THE WEIGHTS AND FORCES SHOWN HEREIN, IN ADDITION TO ALL OTHER APPLICABLE LOADS.
15. VERIFICATION THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2019 CBC AND WITH THE DETAILS SHOWN IN THIS DOCUMENT.
16. VERIFICATION THAT THE ACTUAL EQUIPMENT WEIGHT, CENTER OF GRAVITY (CG) LOCATION, ANCHOR LOCATIONS, ANCHOR DETAILS, AND THE MATERIAL AND GAUGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SHOWN IN THE PREAPPROVAL DOCUMENTS.
17. VERIFICATION THAT THE COMBINATION OF S_{DS} AND Z/H RESULT IN SEISMIC FORCES (E_H AND E_V) THAT ARE NOT GREATER THAN THE VALUES IN THESE GENERAL NOTES.
18. VERIFICATION THAT THE ATTACHMENTS ARE LOCATED AT AN ADEQUATE DISTANCE AWAY FROM ANY END OR EDGE OF METAL STUD.

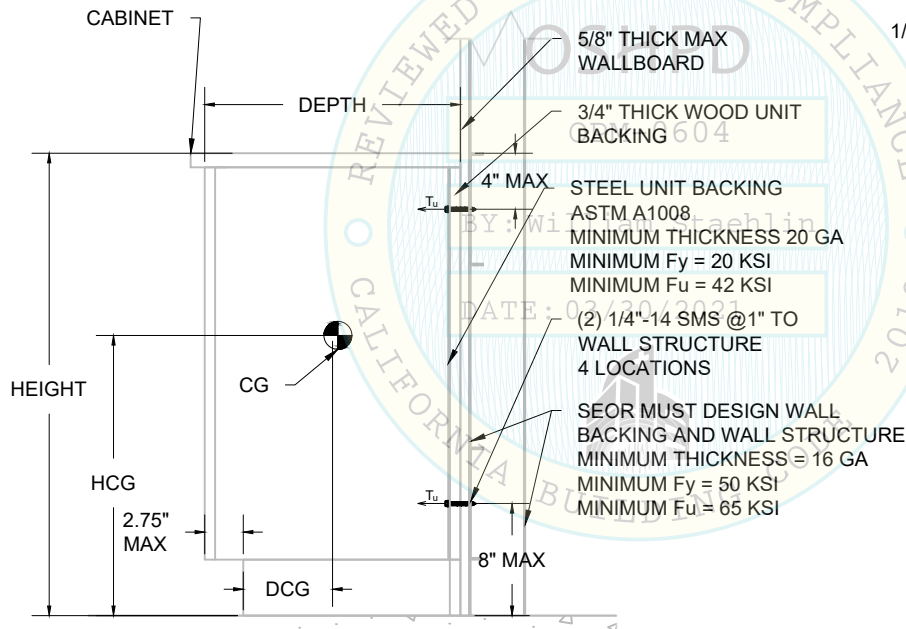


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03/30/2021

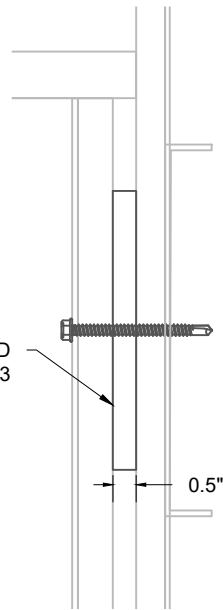
TITLE OFS CAROLINA MILE MARKER BASE CABINETS	MANUFACTURER OFS	PROJECT NO 1CMH00005.000	EQUIPMENT OFS CAROLINA MILE MARKER BASE CABINETS WITH PRODUCT NUMBERS ENDING IN BC, BCD, BCDO, BCDGB, BCDD, BCWP, BCP, BSC, BSCFD, OR ADA. SEE SHEET 1 FOR FULL LIST.		
	PRODUCT LINE CAROLINA MILE MARKER	DATE 03/30/2021			
	EQUIPMENT DESCRIPTION FLOOR SUPPORTED CABINET	DESIGN CMH	DRAWN BY CMH	CHECKED BY KPD	
OPM NUMBER OPM-0604 3/30/2021	SHEET 2 OF 4 OPM-0604: Reviewed for Code Compliance by William Staehlin			100 Quannapowitt Parkway Suite 401 Wakefield, MA 01880 O: +1 857-259-4968 www.jensenhughes.com	



BACK ELEVATION



SIDE ELEVATION



TYPICAL DETAIL FOR PRODUCTS WITH BACKING THAT IS OFFSET FROM WALL

NOTES:

- UNIT CONSTRUCTED OF 3/4" THICK WOOD BOARDS. SMS TO FASTEN THROUGH STEEL UNIT BACKING, WOOD UNIT BACKING, AND WALLBOARD TO THE STEEL WALL BACKING. THE SUM OF THE THICKNESSES OF THESE ITEMS MUST NOT BE GREATER THAN THE SPECIFIED MAXIMUM TOTAL THICKNESS, MT, OF THE SMS.
- A SIGN MUST BE POSTED ON ALL CABINETS TO INDICATE THE MAXIMUM MEDIA WEIGHT ALLOWED INSIDE AND ON TOP OF THE CABINET, AS SHOWN IN THE TABLE ON SHEET 4.
- FOR CABINETS WITH BACKING OFFSET FROM WALL, SMS WITH APPROPRIATE LENGTH OF LOAD BEARING AREA MUST BE DRILLED THROUGH 1/2" WOOD BOARD IN THE 1/2" GAP BETWEEN BACK OF CABINET AND WALL. BOARD MUST MEET THE MINIMUM EDGE DISTANCE REQUIRED FOR THE SMS AND MUST BE SECURED IN PLACE USING SCREWS, GLUE, OR OTHER MEANS SO THAT IT WILL REMAIN IN PLACE DURING THE INSTALLATION OF THE SMS. SEE DETAIL ABOVE.



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03/30/2021

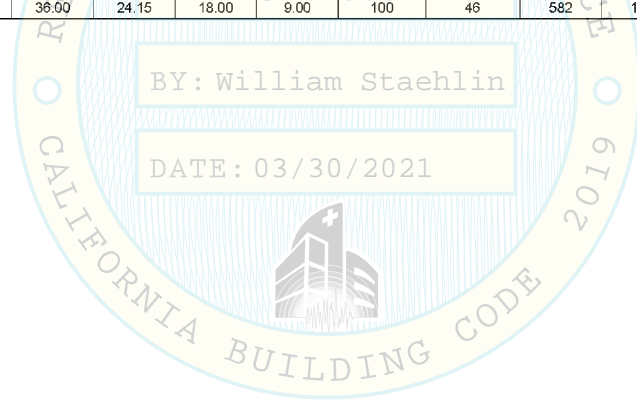
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CABINET DIMENSIONS, WEIGHTS, AND SCREW FORCES

ITEM	DIMENSIONS			CENTER OF GRAVITY			WEIGHT					MAX SCREW FORCE	
	LENGTH [in]	DEPTH [in]	HEIGHT [in]	HCG [in]	LCG [in]	DCG [in]	CABINET WT [lb]	COUNTER WT [lb]	MEDIA WT INSIDE [lb]	MEDIA WT TOP [lb]	TOTAL WT [lb]	Tu [lb]	Vu [lb]
MM-121833	12.00	17.50	33.00	21.99	6.00	6.00	55	11	132	48	247	239	78
MM-151833	15.00	17.50	33.00	22.11	7.50	6.00	58	14	165	60	298	198	94
MM-181833	18.00	17.50	33.00	22.21	9.00	6.00	60	17	199	72	347	183	109
MM-211833	21.00	17.50	33.00	22.26	10.50	6.00	65	20	232	84	400	201	126
MM-241833	24.00	17.50	33.00	22.29	12.00	6.00	70	23	265	96	453	219	143
MM-271833	27.00	17.50	33.00	22.32	13.50	6.00	75	26	298	108	506	238	159
MM-301833	30.00	17.50	33.00	22.34	15.00	6.00	80	29	331	120	559	258	176
MM-331833	33.00	17.50	33.00	22.38	16.50	6.00	83	32	364	132	610	277	192
MM-361833	36.00	17.50	33.00	22.41	18.00	6.00	85	34	397	144	660	297	208
MM-121836	12.00	17.50	36.00	23.60	6.00	6.00	60	11	144	48	264	257	83
MM-151836	15.00	17.50	36.00	23.73	7.50	6.00	63	14	180	60	318	212	100
MM-181836	18.00	17.50	36.00	23.84	9.00	6.00	65	17	217	72	371	194	117
MM-211836	21.00	17.50	36.00	23.89	10.50	6.00	70	20	253	84	426	212	134
MM-241836	24.00	17.50	36.00	23.93	12.00	6.00	75	23	289	96	482	231	152
MM-271836	27.00	17.50	36.00	23.97	13.50	6.00	80	26	325	108	538	251	170
MM-301836	30.00	17.50	36.00	23.98	15.00	6.00	90	29	361	120	599	274	189
MM-331836	33.00	17.50	36.00	23.98	16.50	6.00	95	32	397	132	655	294	206
MM-361836	36.00	17.50	36.00	24.03	18.00	6.00	95	34	433	144	706	314	222
MM-122433	12.00	23.50	33.00	22.08	6.00	9.00	65	15	178	64	322	399	102
MM-152433	15.00	23.50	33.00	22.20	7.50	9.00	68	19	222	80	390	323	123
MM-182433	18.00	23.50	33.00	22.30	9.00	9.00	70	23	267	96	456	284	144
MM-212433	21.00	23.50	33.00	22.35	10.50	9.00	75	27	311	112	525	263	165
MM-242433	24.00	23.50	33.00	22.38	12.00	9.00	80	31	355	128	595	280	187
MM-272433	27.00	23.50	33.00	22.42	13.50	9.00	83	35	400	145	662	301	209
MM-302433	30.00	23.50	33.00	22.46	15.00	9.00	85	38	444	161	728	322	229
MM-332433	33.00	23.50	33.00	22.49	16.50	9.00	88	42	489	177	796	344	251
MM-362433	36.00	23.50	33.00	22.52	18.00	9.00	90	46	533	193	862	366	272
MM-122436	12.00	23.50	36.00	23.71	6.00	9.00	70	15	194	64	344	429	108
MM-152436	15.00	23.50	36.00	23.84	7.50	9.00	73	19	242	80	415	347	131
MM-182436	18.00	23.50	36.00	23.94	9.00	9.00	75	23	291	96	485	307	153
MM-212436	21.00	23.50	36.00	23.99	10.50	9.00	80	27	339	112	559	285	176
MM-242436	24.00	23.50	36.00	24.03	12.00	9.00	85	31	388	128	632	297	199
MM-272436	27.00	23.50	36.00	24.06	13.50	9.00	90	35	436	145	705	320	222
MM-302436	30.00	23.50	36.00	24.09	15.00	9.00	95	38	485	161	779	343	245
MM-332436	33.00	23.50	36.00	24.12	16.50	9.00	95	42	533	177	850	367	268
MM-362436	36.00	23.50	36.00	24.15	18.00	9.00	100	46	582	193	921	390	290

BY: William Staehlin

DATE: 03/30/2021



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03/30/2021

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