

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

"HPPI PPI"	
APPLICATION FOR OSHPD PREAPPROVAL OF	OFFICE USE ONLY
MANUFACTURER'S CERTIFICATION (OPM)	APPLICATION #: OPM-0604
OSHPD Preapproval of Manufacturer's Certification (OPM)	
Type: X 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.c	com
EOR CODE CO	Mr.
Product Information OSHPD	T. C.
Product Name: OFS Carolina Mile Marker	-NZ
Product Type: Base Cabinet	C C C C C C C C C C C C C C C C C C C
Product Model Number: OFS Carolina Mile Marker Base Cabinets with produ BCDD, BCWP, BCP, BSC, BSCFD, OR ADA.	uct numbers ending in BC, BCD, BCDO, BCDGB,
General Description: Floor supported cabinets attached to wall	0
DATE: 03/30/2021	207
Applicant Information	\$
Applicant Company Name: Jensen Hughes	27
Contact Person: Christopher Hendrix	
Mailing Address: 100 Quannapowitt Parkway, Suite 401, Wakefield, MA 0188	30

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





Telephone: (857) 259-4968

Title: Principal Engineer

Email: chendrix@jensenhughes.com



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Registered Design Professonal 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:
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 supported coiling spigmic bracings, test
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.
X Analysis
Experience Data DATE: 03/30/2021
Combination of Testing, Analysis, and/or Experience Data (Please Specify):
COD [®]
OSHPD Approval BUILDING
Date: 3/30/2021
Name: William Staehlin Title: Senior Structural Engineer
Condition of Approval (if applicable):

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



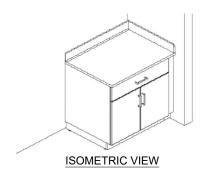


OPM-0604 OFS CAROLINA MILE MARKER **BASE CABINETS**

EQUIPMENT

ITEMS INCLUDED IN THIS DESIGN INCLUDE OFS CAROLINA MILE MARKER FLOOR RESTING/WALL ATTACHED BASE CABINETS WITH PRODUCT NUMBERS ENDING IN BC, BCD, BCDG, BCDGB, BCDD, BCWP, BCP, BSC, BSCFD, OR ADA. STRUCTURAL ENGINEER OF RECORD MUST VERIFY ALL ITEMS WITH THE SPECIFIED DIMENSIONS AND WEIGHTS INCLUDED ON SHEET 4. SEE LIST BELOW:

MM-121833BC, MM-151833BC, MM-181833BC, MM-211833BC, MM-241833BC, MM-271833BC, MM-301833BC, MM-331833BC, MM-361833BC, MM-121836BC, MM-151836BC, MM-151836BC, MM-301833BC, MM-301835BC, MM-301835BC, MM-301835BC, MM-301835BC, MM-301835BC, MM-30 MM-181836BC, MM-211836BC, MM-241836BC, MM-271836BC, MM-301836BC, MM-331836BC, MM-361836BC, MM-122433BC, MM-152433BC, MM-152433BC, MM-212433BC, MM-212435C, MM-212435C, MM-212435C, MM-21245C, MM-21245C, MM-21245C, MM-21245C, MM-21245C, MM-MM-242433BC, MM-272433BC, MM-302433BC, MM-332433BC, MM-362433BC, MM-122436BC, MM-152436BC, MM-182436BC, MM-212436BC, MM-242436BC, MM-272436BC, MM-272456BC, MM-27246BC, MM-2 MM-302436BC, MM-332436BC, MM-362436BC, MM-121833BCD, MM-151833BCD, MM-181833BCD, MM-241833BCD, MM-241833BCD, MM-121836BCD, MM-151836BCD, MM-151836BCD, MM-181833BCD, MM-241833BCD, MM-241833BCD, MM-181833BCD, MM-181833BCD, MM-181833BCD, MM-241833BCD, MM-181833BCD, MM-181833BCD, MM-181833BCD, MM-241833BCD, MM-181833BCD, MM-1818345ACD, MM-1818345ACD, MM-1818345ACD, MM-1818345ACD, MM-1818345ACD, MM-181835ACD, MM-181835ACD, MM-181835ACD, MM-181836BCD, MM-211836BCD, MM-241836BCD, MM-122433BCD, MM-152433BCD, MM-182433BCD, MM-212433BCD, MM-242433BCD, MM-122436BCD, MM-152436BCD, MM-182433BCD, MM MM-182436BCD, MM-212436BCD, MM-242436BCD, MM-121833BCDO, MM-151833BCDO, MM-181833BCDO, MM-211833BCDO, MM-241833BCDO, MM-121836BCDO, MM-121836BCDO, MM-181833BCDO, MM-241833BCDO, MM-121836BCDO, MM-181833BCDO, MM-241833BCDO, MM-181833BCDO, MM-241833BCDO, MM-181833BCDO, MM-241833BCDO, MM-24183BCDO, MM-24183BCDO, MM-24183BCDO, MM-241833BCDO, MM-24183BCDO, MM-24180DO, MM-151836BCDO, MM-181836BCDO, MM-211836BCDO, MM-241836BCDO, MM-122433BCDO, MM-152433BCDO, MM-182433BCDO, MM-212433BCDO, MM-242433BCDO, MM-24243ACD, MM-24243BCDO, MM-24243BCDO, MM-24243BCDO, MM-244243BCDO, MM-244243BCDO, MM-244243BCDO, MM-244243BC MM-122436BCDO, MM-152436BCDO, MM-182436BCDO, MM-212436BCDO, MM-242436BCDO, MM-211833BCDGB, MM-241833BCDGB, MM-211836BCDGB, MM-211846BCDGB, MM-21846BCDGB, MM-21846BCDGB, MM-21846BCDGB, MM-21846BCDGB, MM-21846BCDGB, MM-21846BCDGB, MM-21846BCDGB, MM-21846BCDGB, MM-21846BCD MM-241836BCDGB, MM-212433BCDGB, MM-242433BCDGB, MM-212436BCDGB, MM-242436BCDGB, MM-121833BCDD, MM-151833BCDD, MM-181833BCDD, MM-18183BCDD, MM-18183BCD, MM-18183BCDD, MM-18184BCD, MM-18184BCD, MM-18184BCD, MM-18184BCD, MM-18184BCD, MM-18184BCD, MM-18184BCD, MM-18184BCD, MM-181 MM-211833BCDD, MM-241833BCDD, MM-121836BCDD, MM-151836BCDD, MM-181836BCDD, MM-211836BCDD, MM-241836BCDD, MM-122433BCDD, MM-152433BCDD, MM-152433BCDD, MM-151836BCDD, MM-181836BCDD, MM-241836BCDD, MM-181836BCDD, MM-181856BCDD, MM-181836BCDD, MM-181836BCDD, MM-181 MM-182433BCDD, MM-212433BCDD, MM-242433BCDD, MM-122436BCDD, MM-152436BCDD, MM-182436BCDD, MM-212436BCDD, MM-212436BCDD, MM-212436BCDD, MM-242436BCDD, MM-242446BCDD, MM-242446BCDD, MM-242446BCDD, MM-24246BCDD, MM-24246BCDD, MM-24246BCDD, MM-24246BCDD, MM-24246BCDD, MM-24246BCDD, MM-24246BCDD, MM-24246BCDD, MM-151833BC1, MM-181833BC1, MM-211833BC1, MM-241833BC1, MM-271833BC1, MM-301833BC1, MM-331833BC1, MM-361833BC1, MM-121836BC1, MM-151836BC1, MM-301833BC1, MM-301835BC1, MM-301835BC1, MM-301835BC1, MM-301835BC1, MM-301835BC1, MM-301835BC1, MM-301835BC1, MM-301835BC1, MM MM-181836BC1, MM-211836BC1, MM-241836BC1, MM-271836BC1, MM-301836BC1, MM-331836BC1, MM-361836BC1, MM-122433BC1, MM-152433BC1, MM-152433BC1, MM-182433BC1, MM-18243BC1, MM-18245BC1, MM-18245BC1, MM-18245BC1, MM-1 MM-212433BC1, MM-242433BC1, MM-272433BC1, MM-302433BC1, MM-332433BC1, MM-362433BC1, MM-122436BC1, MM-152436BC1, MM-182436BC1, MM-212436BC1, MM-202436BC1, MM-20246BC1, MM-242436BC1, MM-272436BC1, MM-302436BC1, MM-332436BC1, MM-362436BC1, MM-151833BC3, MM-151833BC3, MM-181833BC3, MM-211833BC3, MM-241833BC3, MM-2641833BC3, MM-264183BC3, MM-2641833BC3, MM-264183BC3, MM-264185BC3, MM-264185BC3, MM-264185BC3, MM-264185BC3, MM-264185BC3, MM-264185BC3, MM-264185BC3, MM-264185BC3 MM-271833BC3, MM-301833BC3, MM-331833BC3, MM-361833BC3, 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MM-272433BSCFD, MM-302433BSCFD, MM-332433BSCFD, MM-362433BSCFD, MM-272436BSCFD, MM-302436BSCFD, MM-30246BSCFD, MM-30246BS MM-362436BSCFD, MM-301833ADA, MM-331833ADA, MM-361833ADA, MM-302433ADA, MM-332433ADA, MM-362433ADA



03/30/2021

OFS CAROLINA MILE **MARKER BASE CABINETS**

OPM-0604 3/30/2021

MANUFACTURER	PROJECT NO		EQUIPMENT		
OFS		1CMH00005.000			
PRODUCT LINE CAROLINA MILE MARKER	DATE	03/30/2021	OFS CAROLINA MIL BASE CABINETS WIT NUMBERS ENDING		
EQUIPMENT DESCRIPTION	DESIGN	DRAWN BY	CHECKED BY	BCDO, BCDGB, BCDD,	
ELOOD OURDORTED OARINET	СМН	CMH	KPD	BSC, BSCFD, OR ADA. 1 FOR FULL L	
FLOOR SUPPORTED CABINET	SHEET				
OPM-0604: Review	ed for C	ode Con	npliance	by William Staehlin	

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.



100 Quannapowitt Parkway Wakefield, MA 01880 O: +1 857-259-4968 3wor 6nsenhughes.com

GENERAL NOTES

OPM-0604 3/30/2021

- 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. $S_{DS}=2.50G$; $a_P=1.0$; $I_P=1.5$; $R_P=2.5$; $z/h \le 1.0$
 - 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 $S_{DS} \le 2.50G$ AND $z/h \le 1.0$.
- 4. ALL SEISMIC SCREW FORCES SHOWN ON THE DRAWINGS ARE UNFACTORED LOADS THAT MUST BE USED FOR ALLOWABLE STRESS DESIGN (ASD).
- 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".

OPM - 0604

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.

OFS CAROLINA MILE

MARKER

BASE CABINETS

MANUFACTURER

OFS

1CMH000005.000

1CMH000005.000

OFS CAROLINA MILE MARKER

03/30/2021

OFS CAROLINA MILE MARKER

BASE CABINETS WITH PRODUCT
NUMBERS ENDING IN BC, BCD,
BCDO, BCDGB, BCDD, BCWP, BCP,
BCDO, BCDGB, BCDD, BCWP, BCP,
BCD, BCCP, OR ADA, SEE SHEET

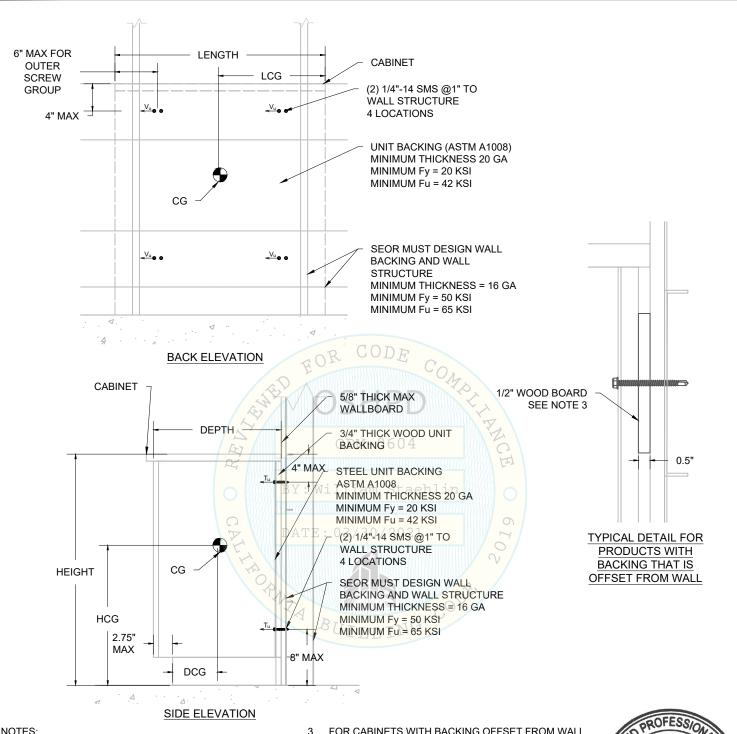
1 FOR FULL LIST.

OPM-0604: Reviewed for Code Compliance by William Staehlin



4worf.6nsenhughes.com

03/30/2021



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.



OFS CAROLINA MILE MARKER **BASE CABINETS**

OPM-0604 3/30/2021

MANUFACTURER OFS	PROJECT NO	1CMH00005.000	EQUIPMENT			
PRODUCT LINE CAROLINA MILE MARKER	DATE	03/30/2021	OFS CAROLINA MILI BASE CABINETS WITI NUMBERS ENDING I			
EQUIPMENT DESCRIPTION	DESIGN	DRAWN BY	CHECKED BY	BCDO, BCDGB, BCDD, BSC, BSCFD, OR ADA.		
FLOOR SUPPORTED CABINET	CMH	CMH	KPD	1 FOR FULL L		
0014 0004 0	SHEET	3 OE 4				
OPM-0604: Review	red for C	ode Com	ipliance	by William Staehlin		

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.



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CABINET DIMENSIONS, WEIGHTS, AND SCREW FORCES

	DIMENSI		CENTER OF GRAVITY				WEIGHT				MAX SCREW FORCE		
ITEM	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	23.96	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 _	98 4	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

BUILDING



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OFS CAROLINA MILE
MARKER
BASE CABINETS

OPM-0604 3/30/2021
 OFS
 1CMH00005.000

 PRODUCT LINE
 DATE

 CAROLINA MILE MARKER
 03/30/2021

 EQUIPMENT DESCRIPTION
 DESIGN
 DRAWN BY
 CHECKED BY

 CMH
 CMH
 KPD

 SHEET
 SHEET

OPM-0604: Reviewed for Code Compliance by William Staehlin