

MARC & MARR Series

Technical Data:

Aluminum

- Extrusion – C/S uses multiple alloys & tempers which are established to be the most appropriate for the given use of individual parts. Will be one of the following: (6063-T5, T6, T52) (6061-T5, T6, T51) (6105-T5, T6) (6005-T5) (6005A-T5, T61), ASTM B221
- Sheet – 6061-T6, 3003-H14, 5005-H34, ASTM B209

Lateral Slide / Slider Assembly

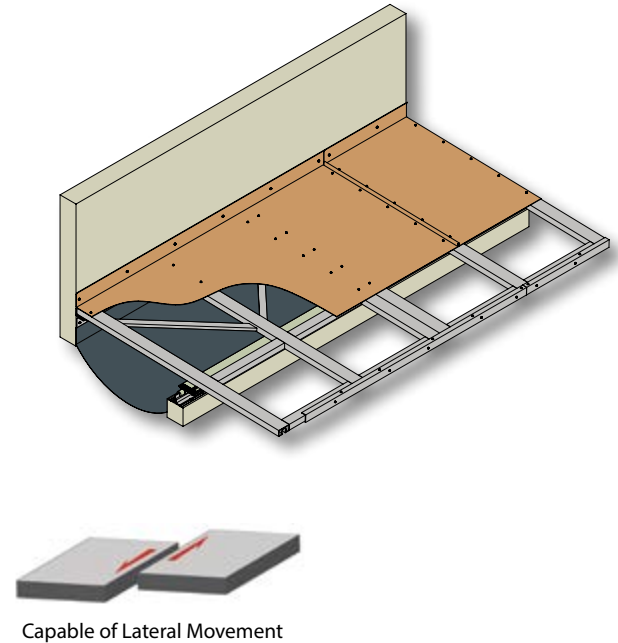
- Material - Aluminum 6061-T6 or 6105-T5
- Acetal rod - low friction, high density polymer
- Acetal plates - low friction, high density polymer

Bulb Gasket

- Material - EPDM, ASTM D2000
- Durometer - 74A
- Color - Black

Vapor Barrier

- Material - Polyethelene, ASTM E-1745-97
- Color - Black
- 3" Tensile Strength – 275 lbs., ASTM-882
- Puncture Strength – 72 lbs., ASTM-4833
- PPT Resistance – 45 lbs., ASTM-2582



Product Description:

MARC / MARR are a multi-axis roof cover capable of spanning large joint openings being comprised of extruded aluminum components and various mechanical hardware. The roof weldment is a structural frame assembly with a standing seam roof cover plate.

Use This Cover For:

- Exterior seismic roof applications
- Joint sizes from 18" to 36"
- Three-axis directional movement
- Ideal for accommodating movement of base isolated structures

Performance Characteristics:

This seismic roof cover is designed to accommodate movement of base isolated structures. It is perfect for areas where up to 200% movement in X & Y axis is required. Base isolated structures are free to move in any horizontal direction, as well as typically having a vertical displacement component. This creates a distinct challenge for the design of the seismic expansion joint coves. The MARC and MARR models provide an integrated assembly approach for allowing structures to experience full movement in any direction.

Standard Finishes:

Mill finish. Clear anodized or Kynar® finish options available.

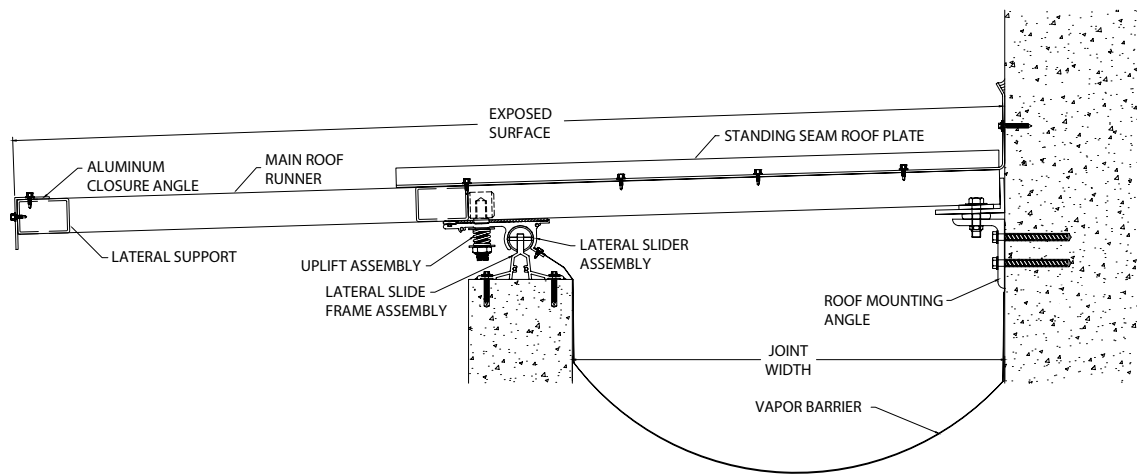
Installation Guidelines:

Attach vapor barrier, mounting frame/angle, and lateral slide base to the substrate using mechanical fasteners. Install roof weldment and standing seam cover in accordance with manufacturers' instructions. NOTE: All end caps, transitions and miters are to be factory fabricated and installed in accordance with manufacturers' recommended guidelines.

MODEL	JOINT WIDTH	MINIMUM OPENING	MAXIMUM OPENING	EXPOSED SURFACE	BLOCKOUT WIDTH	BLOCKOUT HEIGHT
MARC-1800	18.00" (457mm)	4.00" (102mm)	36.00" (914mm)	43.25" (1,099mm)	N/A	N/A
MARC-1900	19.00" (483mm)	4.00" (102mm)	38.00" (965mm)	45.25" (1,149mm)	N/A	N/A
MARC-2000	20.00" (508mm)	4.00" (102mm)	40.00" (1,016mm)	47.25" (1,200mm)	N/A	N/A
MARC-2100	21.00" (533mm)	4.00" (102mm)	42.00" (1,067mm)	49.25" (1,251mm)	N/A	N/A
MARC-2200	22.00" (559mm)	4.00" (102mm)	44.00" (1,118mm)	51.25" (1,302mm)	N/A	N/A
MARC-2300	23.00" (584mm)	4.00" (102mm)	46.00" (1,168mm)	53.25" (1,353mm)	N/A	N/A
MARC-2400	24.00" (610mm)	4.00" (102mm)	48.00" (1,219mm)	55.25" (1,403mm)	N/A	N/A
MARC-2500	25.00" (635mm)	4.00" (102mm)	50.00" (1,270mm)	57.25" (1,454mm)	N/A	N/A
MARC-2600	26.00" (660mm)	4.00" (102mm)	52.00" (1,321mm)	59.25" (1,505mm)	N/A	N/A
MARC-2700	27.00" (686mm)	4.00" (102mm)	54.00" (1,372mm)	61.25" (1,556mm)	N/A	N/A
MARC-2800	28.00" (711mm)	4.00" (102mm)	56.00" (1,422mm)	63.25" (1,607mm)	N/A	N/A
MARC-2900	29.00" (737mm)	4.00" (102mm)	58.00" (1,473mm)	65.25" (1,657mm)	N/A	N/A
MARC-3000	30.00" (762mm)	4.00" (102mm)	60.00" (1,524mm)	67.25" (1,708mm)	N/A	N/A
MARC-3100	31.00" (787mm)	4.00" (102mm)	62.00" (1,575mm)	69.25" (1,759mm)	N/A	N/A
MARC-3200	32.00" (813mm)	4.00" (102mm)	64.00" (1,626mm)	71.25" (1,810mm)	N/A	N/A
MARC-3300	33.00" (838mm)	4.00" (102mm)	66.00" (1,676mm)	73.25" (1,861mm)	N/A	N/A
MARC-3400	34.00" (864mm)	4.00" (102mm)	68.00" (1,727mm)	75.25" (1,911mm)	N/A	N/A
MARC-3500	35.00" (889mm)	4.00" (102mm)	70.00" (1,778mm)	77.25" (1,962mm)	N/A	N/A
MARC-3600	36.00" (914mm)	4.00" (102mm)	72.00" (1,829mm)	79.25" (2,013mm)	N/A	N/A

NOTE:

This product is factory customized to fit your project needs.
Please call the factory to discuss movement data and requirements.

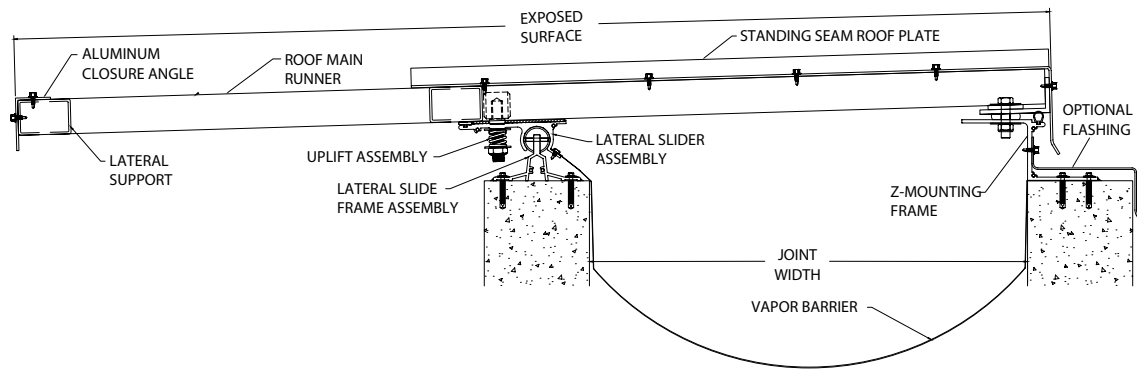


MARC

MODEL	JOINT WIDTH	MINIMUM OPENING	MAXIMUM OPENING	EXPOSED SURFACE	BLOCKOUT WIDTH	BLOCKOUT HEIGHT
MARR-1800	18.00" (457mm)	4.00" (102mm)	36.00" (914mm)	45.13" (1,146mm)	N/A	N/A
MARR-1900	19.00" (483mm)	4.00" (102mm)	38.00" (965mm)	47.13" (1,197mm)	N/A	N/A
MARR-2000	20.00" (508mm)	4.00" (102mm)	40.00" (1,016mm)	49.13" (1,248mm)	N/A	N/A
MARR-2100	21.00" (533mm)	4.00" (102mm)	42.00" (1,067mm)	51.13" (1,299mm)	N/A	N/A
MARR-2200	22.00" (559mm)	4.00" (102mm)	44.00" (1,118mm)	53.13" (1,350mm)	N/A	N/A
MARR-2300	23.00" (584mm)	4.00" (102mm)	46.00" (1,168mm)	55.13" (1,400mm)	N/A	N/A
MARR-2400	24.00" (610mm)	4.00" (102mm)	48.00" (1,219mm)	57.13" (1,451mm)	N/A	N/A
MARR-2500	25.00" (635mm)	4.00" (102mm)	50.00" (1,270mm)	59.13" (1,502mm)	N/A	N/A
MARR-2600	26.00" (660mm)	4.00" (102mm)	52.00" (1,321mm)	61.13" (1,553mm)	N/A	N/A
MARR-2700	27.00" (686mm)	4.00" (102mm)	54.00" (1,372mm)	63.13" (1,604mm)	N/A	N/A
MARR-2800	28.00" (711mm)	4.00" (102mm)	56.00" (1,422mm)	65.13" (1,654mm)	N/A	N/A
MARR-2900	29.00" (737mm)	4.00" (102mm)	58.00" (1,473mm)	67.13" (1,705mm)	N/A	N/A
MARR-3000	30.00" (762mm)	4.00" (102mm)	60.00" (1,524mm)	69.13" (1,756mm)	N/A	N/A
MARR-3100	31.00" (787mm)	4.00" (102mm)	62.00" (1,575mm)	71.13" (1,807mm)	N/A	N/A
MARR-3200	32.00" (813mm)	4.00" (102mm)	64.00" (1,626mm)	73.13" (1,858mm)	N/A	N/A
MARR-3300	33.00" (838mm)	4.00" (102mm)	66.00" (1,676mm)	75.13" (1,908mm)	N/A	N/A
MARR-3400	34.00" (864mm)	4.00" (102mm)	68.00" (1,727mm)	77.13" (1,959mm)	N/A	N/A
MARR-3500	35.00" (889mm)	4.00" (102mm)	70.00" (1,778mm)	79.13" (2,010mm)	N/A	N/A
MARR-3600	36.00" (914mm)	4.00" (102mm)	72.00" (1,829mm)	81.13" (2,061mm)	N/A	N/A

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