



PermaSpan™ Roof Expansion Joint

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

Top: Model PSRR - Roof-to-Roof Expansion Joint System

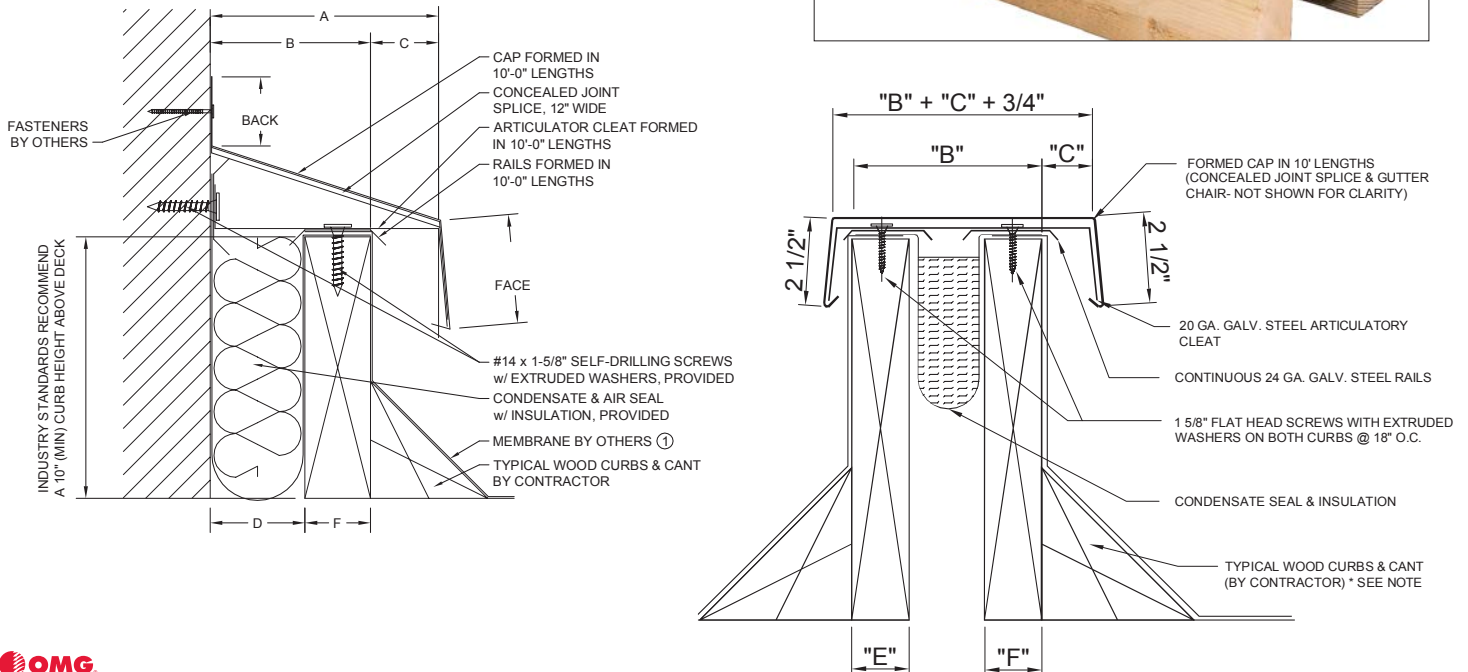
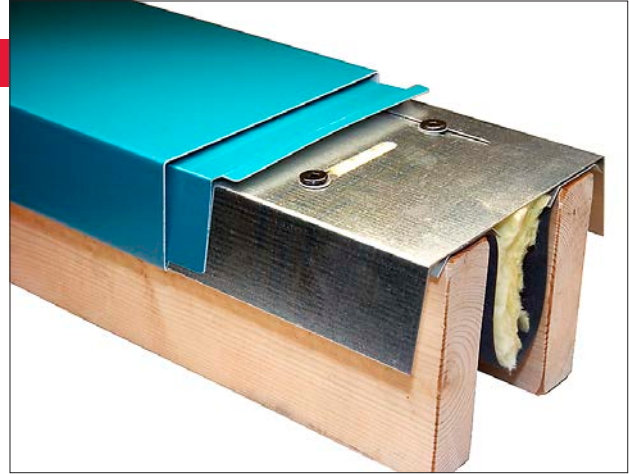
Bottom: Model PSRW - Roof-to-Wall Expansion Joint System

Unique Articulatory Cleat Permits 4-Way Movement of Curbs

Factory Fabricated Accessories

FEATURES & BENEFITS

- Articulator cleat and rail permits horizontal and lateral movement of curbs and roof sections.
- Weatherproof cap easily locks onto cleats without exterior fasteners.
- Sheet metal components enable low-cost design variations in size to fit job conditions.
- Available in four thicknesses: .040-, .050-, .063- and .080-in.
- Exterior cap is available in 24 prefinished Kynar® 500 colors. Anodize finish available upon request.
- Standard sizes to fit expansion joint opening of 2-, 3- or 4-in. Custom sizes upon request.





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INSTALLATION PROCEDURE

SPECIFICATIONS *(short form)*

The roof expansion joint system shall be PermaSpan as manufactured by OMG Company. Provide roof-to-roof and/or roof to wall design as indicated. The expansion joint system shall consist of a formed metal cover with a continuous articulator cleat. Cover and cleat will be in 10-ft. lengths. Cap exterior finish shall be (insert preference).

DESCRIPTION

PermaSpan is a multi-part assembly designed to facilitate the horizontal and lateral movement of curbs or roof sections. The complete system consists of a membrane condensate and air seal with batten insulation, continuous galvanized rails, special cleat fasteners, a continuous galvanized cleat and a formed metal cover. The continuous galvanized cleat has pre-punched elongated fastener holes along the length and width to allow bi-lateral movement of roof sections. The top edge of the roof curbs are covered with a continuous galvanized rail to permit unrestricted movement between the cleat and rails. Cleats are secured with special universal fasteners furnished by the manufacturer. Internal gutter-chair plates are provided at all expansion cover joints. The standard exterior cover is formed from .050-in. aluminum or 24 gauge galvanized steel. Other metals or gauges may be available by request.

INSTALLATION PROCEDURES

This is a general outline. Refer to our full installation guide for details.

Preparation:

Inspect vertical wood expansion joint curbs prior to beginning PermaSpan installation. Curbs must be straight, level, and securely anchored to the substrates. Membrane roofing installed by the roofing trades, should be brought up

to the outside top edge of the standing wood curbs in accordance with the membrane manufacturer's accepted practice. Always coordinate PermaSpan installation with roof membrane manufacturer before starting the installation.

Procedure:

Begin the PermaSpan installation by first setting the membrane air and condensate seal (Provided with the system) into the expansion cavity. Securely attach the outer edges of the membrane seal to wood curb or wall surfaces as indicated. Use the galvanized steel rails as termination plates, placing them over the membrane and inserting fasteners through the rail and membrane into the top of the wood curb or wall surface. Fold and close ends of the membrane seal as directed. Fill the open bellows of the membrane seal with fiberglass insulation material provided with the system. Loosely lay ten foot lengths of 20 Ga. galvanized steel articulatory anchor cleat over the previously installed membrane seal and rails. Cut intermediate length cleat sections as required to fully cover the expansion cavity. Center the horizontal cleat slots over the top of the standing wood curb. Secure the continuous cleat lengths at 18-in. on center through pre-punched slotted holes using universal fasteners with washers supplied with the PermaSpan system. Secure through both horizontal and vertical slotted holes. The last step is to install the expansion joint cover onto installed articulatory cleats. Begin by first installing prefabricated corners, end terminations, or other accessories. Carefully place a joint plate under each joint in the exterior cover. Hook the cover on the extended (free) side of the expansion joint. Leave a 1/4-in. gap at each joint for thermal movement. Rotate the cap snapping into place for type PSRR, or anchoring to wall surfaces for type PSRW.

FINISHES

- Natural mill aluminum or stainless steel
- Pre-coat Kynar 500 — from the manufacturer's standard color chart
- Post-coat Kynar 500 — industry standard two coat colors
- Non-standard Kynar 500 — colors requiring multiple coatings or protective clear coats

GUARANTEE

A. Manufacturer's Standard Warranty:

Materials to be free of defects in material and workmanship for 5 years after shipment. If, after inspection, the manufacturer agrees that the materials supplied by them are defective, the manufacturer shall at their option repair or replace them. Manufacturer is not liable for direct or consequential damages arising from the installation of the product. The warranty does not apply to results of normal wear and tear or failure to follow our maintenance instructions. No other express or implied warranties apply to our products.

TECHNICAL SERVICES

Product samples, detail sheets, color chips and color charts are available for your submittal package. For personal assistance with questions or submittals, contact your local OMG representative.



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