



January 2, 2015

2001 Co. Wind Vented Roof Maintenance and up to 30-year warranty extension
For Existing Thermoplastic Roof Membranes
Skinning Over An Existing Thermoplastic Roof Assembly
Using The Existing Flashing and Angle Change Terminations©
Maintenance is Tax Deductible in the Year Performed

Wind Rider* Depending on Existing Roof Summary Specification

1. **Heat weld a new 2001 Co. Thermoplastic membrane compatible with the existing thermoplastic membrane:** out from the perimeter and angle change terminations with the Automatic Heat Welder.

Note: Some non-compatible thermoplastic membranes can be seamed to each other with 6" Butal inseam tape for C-EPDM.

Note: Seam taping requires 2001Co. prior approval on every project.

Preparation

2. **If the existing flashings and angle change base terminations are in good condition:**
They can be left in place and reused. Deteriorated flashings and terminations must be replaced and air sealed substrates maintained.

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3. **2001 Co. excludes existing flashings and terminations:** from their maintenance upgrade warranty coverage until they are replaced in future maintenance.

New flashings and terminations can be budgeted for future maintenance work to be included in the **2001 Co. Maintenance Warranty Extension** when replaced.

4. **Prepare the perimeter and penetration areas where the new Thermoplastic membrane is being heat welded to the existing:**

First: Clean with “Spick & Span” sodium phosphate soap and water using a synthetic scrub pad to clean the existing Thermoplastic roof surface. (doodle bug*)

If a power washer is used, be careful not to blow apart existing seams and flashings.

Power wash in seam overlap direction.

Second: Vacuum up dirty water with shop vac.

Third: Finally clean the seaming area with “Windex” and clean paper towels.

Fourth: Before heat welding the new Thermoplastic membrane to the existing, use appropriate seam prep to soften the existing membrane to eliminate cold welds.

Fifth: Probe all heat welded seams with a cotter pin puller 24-hours after welding for cold welds, and possible voids.

5. **Option: Permeating The Existing Wet Roof For “Self-Drying Rider”**

See attached permeation option requires design approval by a corporate officer for the

*Doodle bug 3M cleaning tool for linoleum floors.

specific building roof assembly from 2001 Co. before permeating.

DO NOT cut the existing roof membrane: if it is the air seal for the roof substrate. A

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single existing wet roof will dry down into the interior building space through the air permeable roof deck.

6. **If the existing roof membrane and insulation is mechanically attached and this roof has an air barrier:** or vapor barrier on the roof deck, or is a 2nd roof installed over an existing totally adhered roof or is installed on a monolithic deck such as light weight concrete, poured Gypsum on form board, or poured in place structural concrete then permeating the existing roof assembly for drying is acceptable.

Installation of New 2001 Co. Wind Vented Membrane

7. **In the field of the roof, the new Thermoplastic membrane is loose laid** directly over the existing.

Note: Separator sheets are required on PVC over PVC. EPDM, and TPO membranes do not require separator sheets.

8. **Heat weld the new Thermoplastic membrane onto the existing membrane at:**
Perimeters, penetrations, and at angle change terminations.
9. **On new Thermoplastic seams welded into the existing roof membrane** that are in ponding water caulk the seam with water cut-off mastic and cover over with 2001 Co. peel and stick cover tape.
10. **Equalizer Valves™ are installed on a new roof membrane only:** over a 6' x 6' or larger separator felt or gravel mat to disperse air under the valve and on top of the old roof membrane when the existing membrane is the air barrier.

If the air barrier is under the existing membrane, cut the **Equalizer Valve** hole through the new and existing roof membrane down to the substrate or deck air seal.

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11. **DO NOT cut the existing Equalizer Valve hole through the existing roof membrane on air permeable substrates:** On a single existing roof membrane, this membrane is the air seal for the roof substrate. A single existing wet roof will dry down into the interior building space through the air permeable roof deck.
12. **If the existing Thermoplastic roof membrane is a second or third roof over a first roof membrane:** on an air permeable roof deck, the Equalizer Valve 6” diameter core is cut through the substrate to the top of the first roof membrane. That is the air barrier. Do not cut through air barriers.

2001 Co. Warranties And Riders

13. **Provide building owner with the following 2001 Co. Maintenance Warranties and Riders:** for the Water Tight Integrity of the 2001 Thermoplastic membrane 2nd ply maintenance upgrade.
 - A. A roofing contractor yearly maintenance agreement commitment.
 - B. **2001 Co. warranty for the new field of roof maintenance 2nd ply membrane for both labor and material:** and exclude the existing flashings and terminations until they are redone to 2001 Co. specifications and details in future maintenance.
 - C. **A 2001 Co. Wind Rider: The wind resistance of the new roof is dependent on the existing roof angle change terminations.** Wind Riders can be issued when new Air Seal Terminations can be installed in future maintenance.
 - D. **Wet Roof Drying Rider:** is provided when 2001 Co. permeation, air sealing, and wind venting designs are used.