January 2, 2015

Summary Specification for Compression Board Air Seals

2001 Co. Wind Vented Re-roof over an existing mechanically fastened or fully adhered roof that can function as an air barrier over an air permeable deck

- **Determine which existing roof component will/can function as the air barrier in the new 2001 Co. Wind Vented Roof System.**

- **Roof Prep**

  - Sweep, vacuum or remove existing loose stone or debris

  - Repair (with compatible products) existing holes, bridging and flashing on the membrane that is functioning as the air barrier.

- **Additional Insulation and Coverboard (maybe optional)**

  - Overlay the existing roof with approved Coverboard or separator sheet if required. Smooth roofs may not need a separator. Contact 2001 Co. Technical Department for details. If additional insulation is needed, ISO or EPS Boards can be loose laid and then overlaid with an approved Coverboard.

- **Compression Board Air Seal Details**

  - Install Compression Board details at the perimeter edge and around all roof penetrations. If additional insulation was added, an air seal must be installed between each layer. The compression board detail must create compression and air seals between each layer and directly to the existing functioning air barrier. Fastening the compression board with 2" seam plate washers and the appropriate fasteners to achieve minimum 600 lb. pull-out. Refer to approved details or contact 2001 Co. Technical Department.

- **Flash Interior Penetrations** – using 2001 Co. approved Flashing details.

  - If possible remove units and install membrane over the top of the curb and reinstall.

- **Flash Parapet Walls** using 2001 Co. approved wall flashing details.

  - Never cover through wall flashings unless installing the 2001 Co. vented wall system.

  - Mechanically fastened wall flashings over 18" may be required in states requiring low VOC adhesives.

- All walls over 48” require additional mechanical fastening.

- **Flash Drains**

  - If using the Compression Board detail for drains you may need to sump or remove the existing roofing around the drain and repair the existing air barrier prior to installing the Compression Board. This will recess the Compression Board and allow water to drain freely.

  - Install waterblock in the compression area under the drain ring and tighten all drain bolts.

  - Depending on the wind requirement of the roof system, the shear skirt or upside-down cover tape (RPS) details may be options to consider.

- **Equalizer Valve™ Installation**

  - Install valves in locations indicated on the job specific 2001 Co. approved valve layout.

  - Cut a six inch (6”) hole through the new membrane and through any other roof components, down to the functioning air barrier. **DO NOT CUT THE FUNCTIONING AIR BARRIER**!

  - It is recommended to install the Equalizer Valves™ daily.