NB3SW Solar Installation Guideline

Model: NB3SW (two piece solar fastener NB3S1 & NB3S2)

Patent Pending

Substrate Requirements

- The **NB3SW** fastener must be installed into a solid substrate that meets the project engineer's specifications.
- **Approved substrate:** Wood framing

Layout & Predrilling

- Mark desired attachment locations for the NB3S1 on the existing membraned surface.
- Predrill marked locations using: ⅜" X 2.5" long drill bit
- Remove debris completely

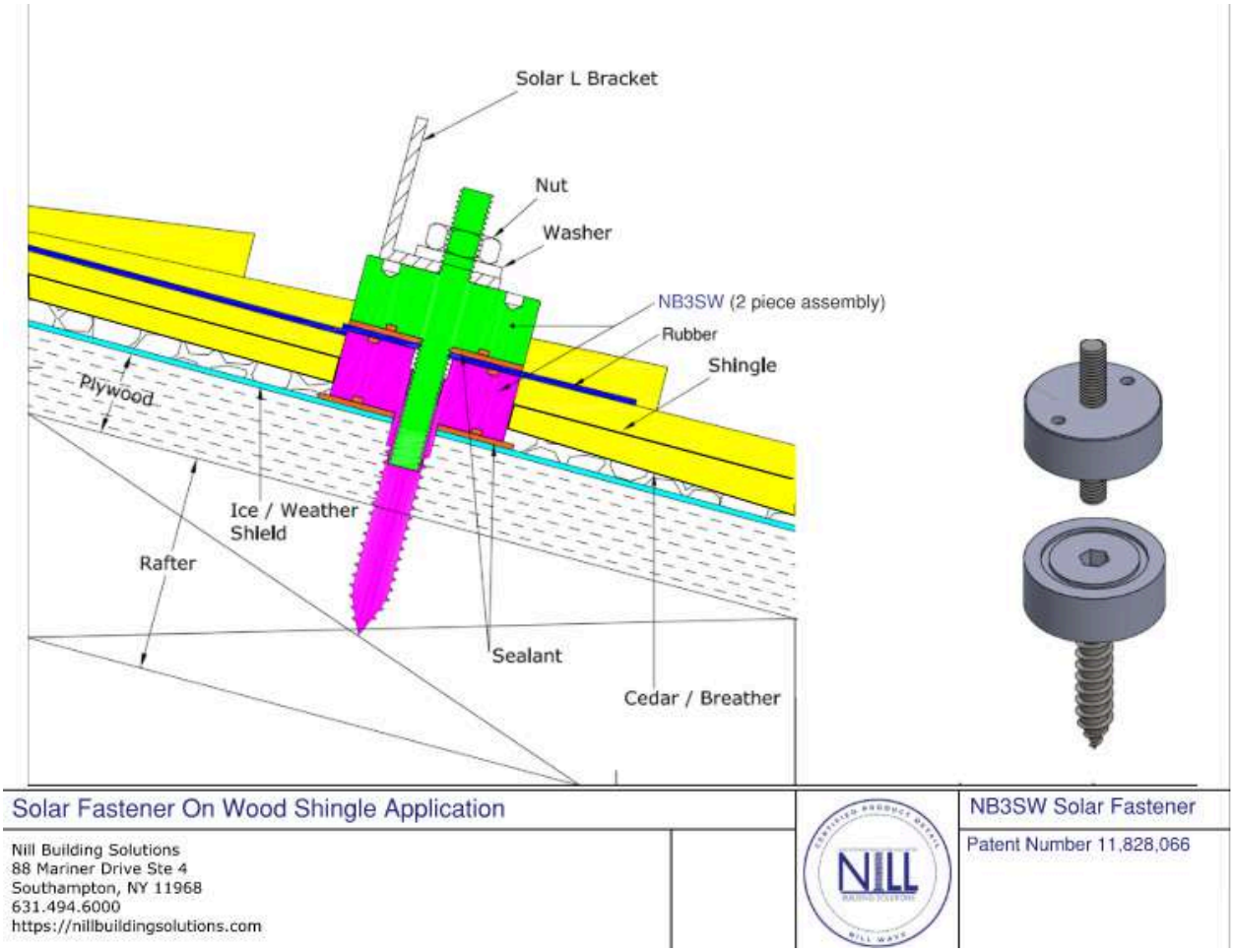
Waterproofing-Sealing

- Apply sealant in and around the predrilled hole, use sealant that follows roofing manufacturer's compatibility guidelines

Installation & Attachment

- Drive the **NB3S1** into the predrilled hole using a 3/8" allen key bit. Tighten until the flange compresses directly against the membraned surface, creating a gasket seal.
- Cut or drill 2.5"diameter holes in shingle courses to allow shingles to lay flat. Align over the **NB3S1** maintaining shingle exposure.
- Apply sealant or Nill gasket covering the top caulk groove of the **NB3S1**.
- Provide additional membrane or metal flashing square with a ½" hole in the center of flashing & place on top of shingles with hole centered on **NB3S1**.
- Apply sealant or Nill gasket on the caulk grooved underside of **NB3S2**. Thread **NB3S2** into **NB3S1** and tighten together with a spanner wrench to create a gasket seal on the flashing.

- Cut or drill a 2.5” diameter hole in the final shingle course & install to fully cover the flashing. Align with shingle exposure over the **NB3S2.**
- Slide solar L-Foot onto the vertical thread of **NB3S2** so that it sits on the **NB3S2**. Secure with flat washer, lock washer & nut.
- **Do not use power tools for final tightening of attachment.**



Need Help?

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