



Smart Cushion Installation Check List

Inspector Signature: _____

Location: _____ Serial #: _____ Date: _____



Check each of the boxes below. Refer to the Installation Manual for Question and further details.
Download current manual (ATT2019) at <https://hillandsmith.com/products/smart-cushion/>

SCI Install Video ↓

Scan this QR code to
view a Step-By Step
Installation video



Foundation Requirements

- ☐ 6" reinforced concrete pad or 8" non-reinforced pad.
- ☐ Pad is planar with max cross slope of 10:1 (front to back, side to side)
- ☐ Concrete is 28Mpa or 4,000 psi at full cure.
- ☐ Inspect new and existing foundations for slope, signs of cracking, shifting from original position, undercut below or sides, settling or other signs of age/deterioration.
- ☐ Foundation pad per Appendices E and E2 of Installation Manual.

Unloading and Placement

- ☐ Position with a device that can safely lift 3,500 lbs.
- ☐ Use a four-point choked lifting method with lifting straps or chains at the lift-point markings on the top of the support frames.
- ☐ Attenuator centered or aligned on hazard to provide the best possible protection and redirection capabilities possible.

Anchors, Drilling, Cleaning, Adhesive and Torque Values

- ☐ Anchor embedment per specifications in Appendices E and E2.
- ☐ Anchor holes drilled to proper depth using a 7/8" diameter drill bit.
- ☐ Remove loose Debris from drilling holes with a brush vacuum or air hose.
- ☐ "Scrub out" holes using a nylon or wire bottle brush and remove dust with a shop-vac or with compressed air.
- ☐ Use supplied RedHead A-7 adhesive per manufacturer's recommendations.
- ☐ Rotate anchor rods one full turn while inserting into the anchor holes previously filled with adhesive.
- ☐ After adhesive has fully cured, torque anchor nuts to 125 ft.-lbs. with no more than 1/2" of anchor rod thread visible above the nut.
- ☐ All 48 anchors installed for TL3 attenuator or all 34 anchors installed for a TL2 .

Hardware Check

- ☐ All Hardware is tightened to specifications.
- ☐ Shear Bolts are in place.

Rear Panel Clearance

- ☐ Rearmost panel clearance for travel straight back 30" beyond last terminal brace.

Front Panels

- ☐ Stripe front delineation panel per agency regulations for the site location.

Transitions

- ☐ Transitions required for hazards wider than 24" or if Bi-directional traffic.
See Manual for further information and available transitions.