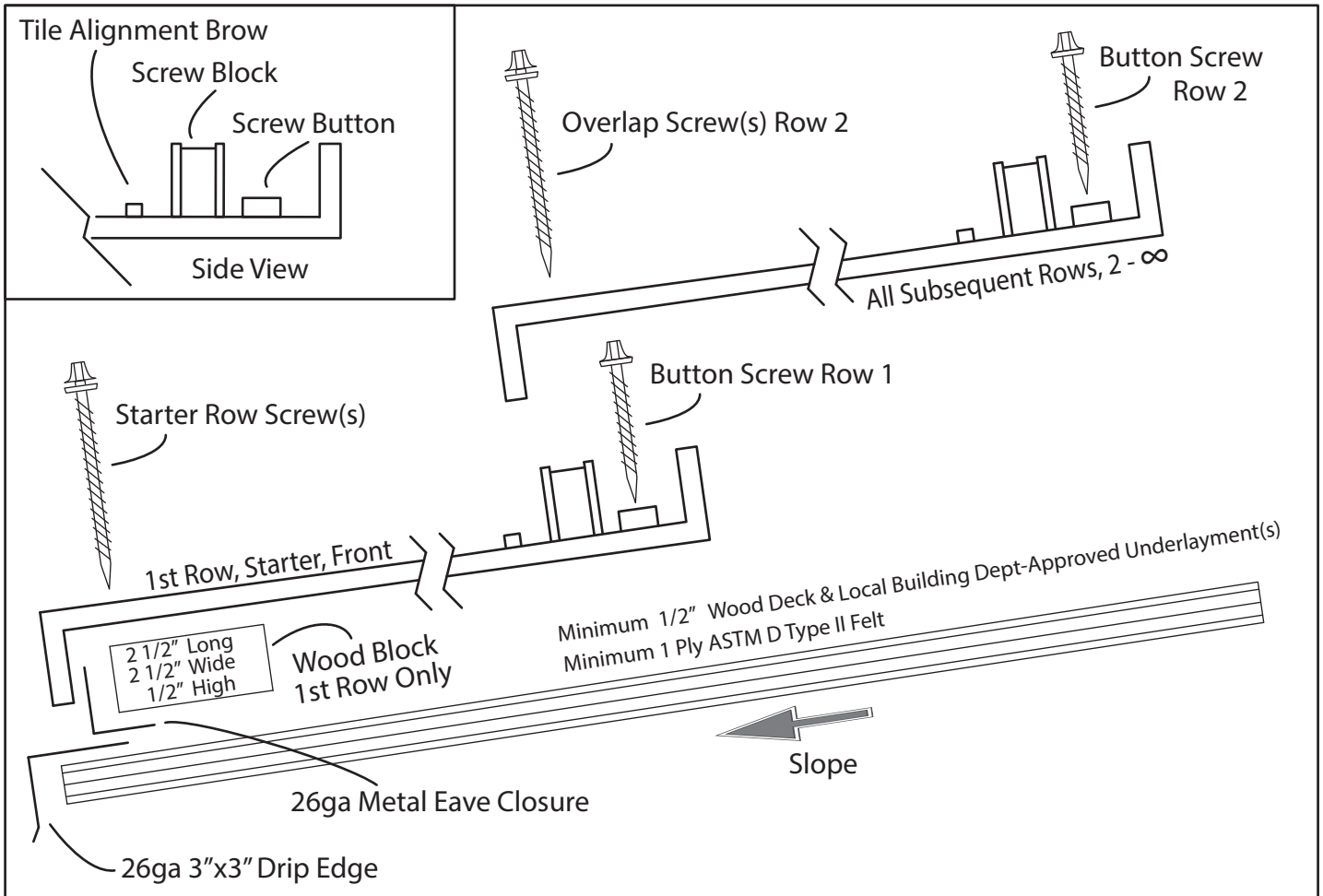
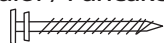
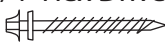


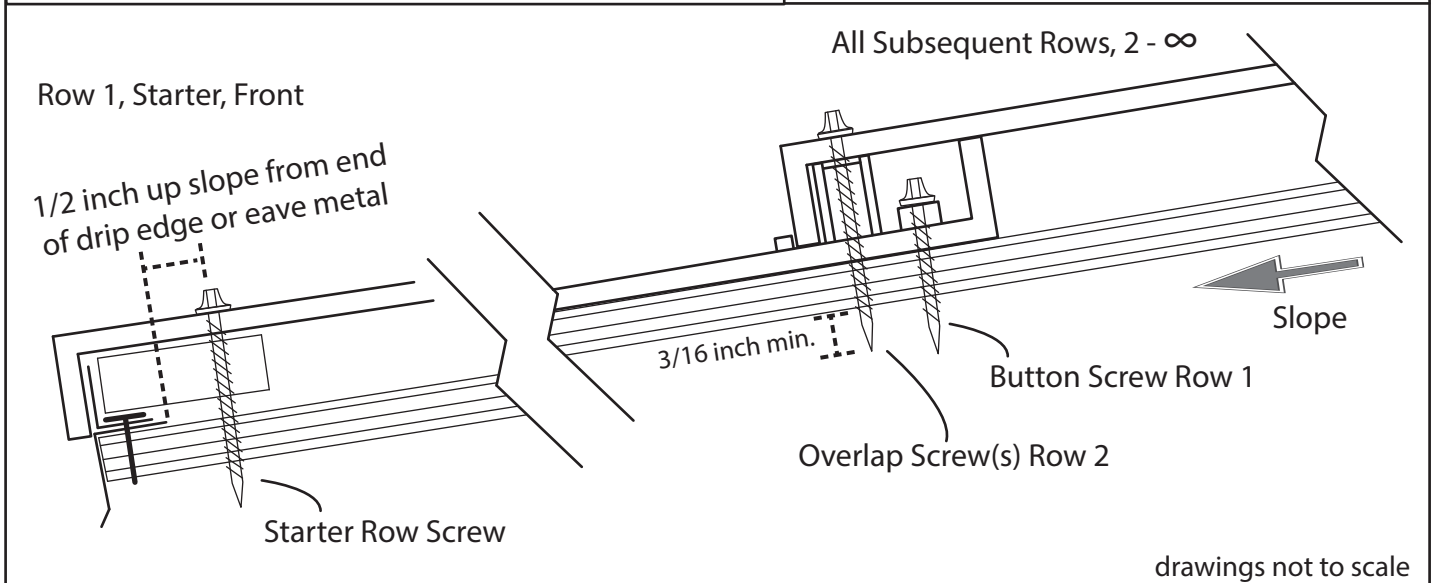
Installation Procedures for Ekorooft LiteTile - Exploded Side View



Main Fastener is #10 wood point, Corrosion Resistant & Approved Screw with EPDM washer & Hex or Concealor/Pancake head, of sufficient length to penetrate 3/16" past the deck. Exposed screws should be color-matched to tile for aesthetics.

Concealor / Pancake Head	1/4" Hex Drive
	

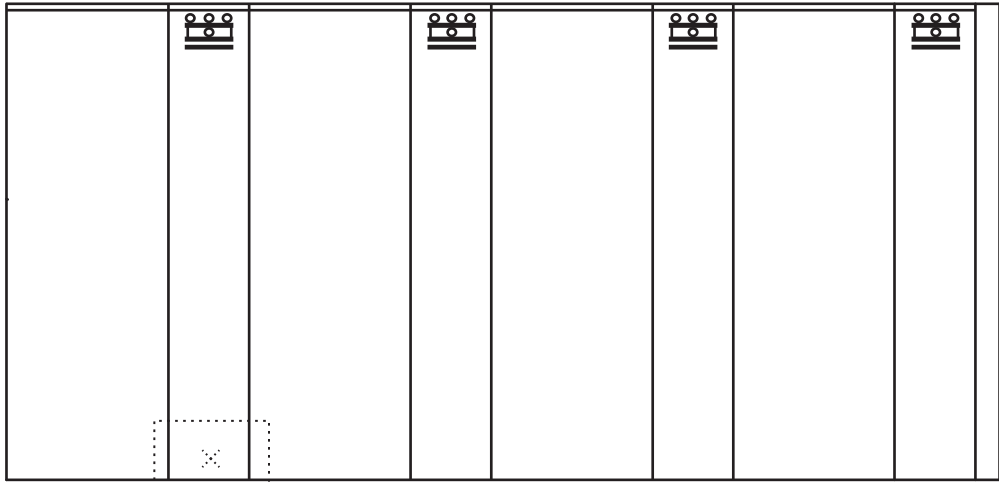
On 5/8" Plywood, 1 1/2" length is normally enough for concealed screw(s), while 2" is normally enough for exposed screw(s). Contractor must verify on-site to ensure compliance with minimum deck penetration requirement of 3/16". Minimum length of main screw accepted for HVHZ is 2".



drawings not to scale

Ekoroof LiteTile Attachment Method 1 - 89 PSF

Top View of Tile

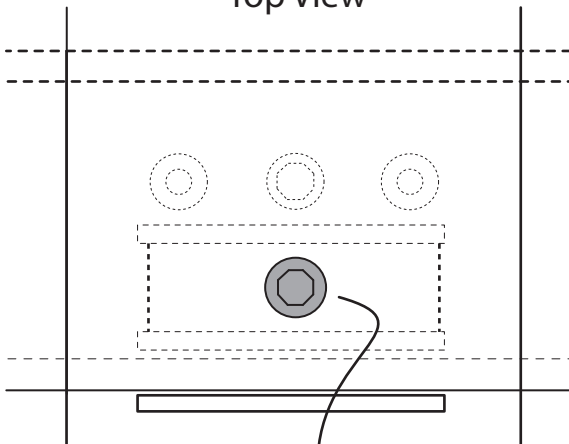


Standard Overlap Screw Location is 1/2 inch from lower edge, at center of each tile valley

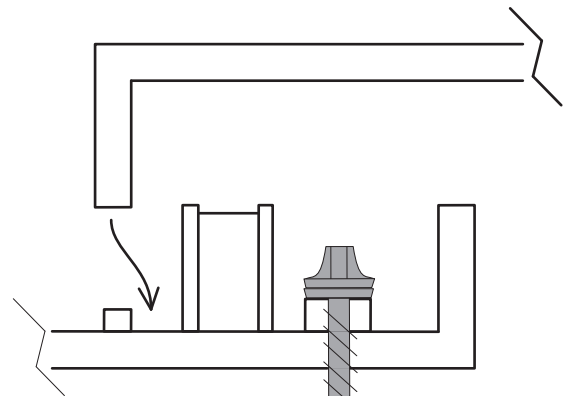


1/2 inch

Top View

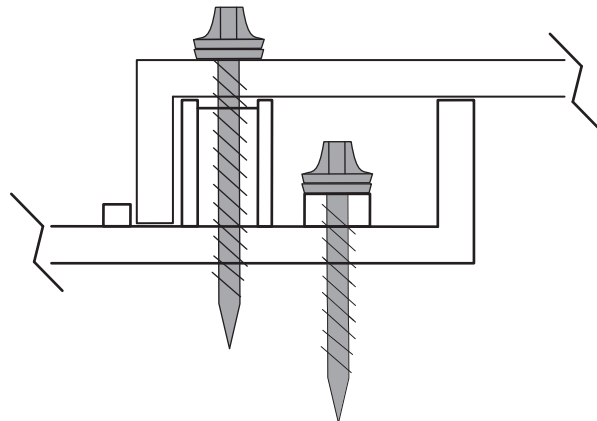


Insert fasteners through top tile and fasten through the screw block belonging to the tile beneath it.



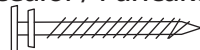
1/2 inch

Side View

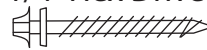


Main Fastener is #10 wood point, Corrosion Resistant & Approved Screw with EPDM washer & Hex or Concealor head, of sufficient length to penetrate the deck at least 3/16". On 5/8" Plywood, with two layers of ASTM D226 Felt and one layer of ASTM D1970 Self-Adhered underlayments, 1 1/2" length is normally enough for concealed screw, while 2" is normally enough for exposed screw(s). 2" minimum required for HVHZ. Contractor must verify on-site to ensure compliance with minimum deck penetration requirement. Exposed fastener should be color-matched to tile for aesthetics.

Concealor / Pancake Head

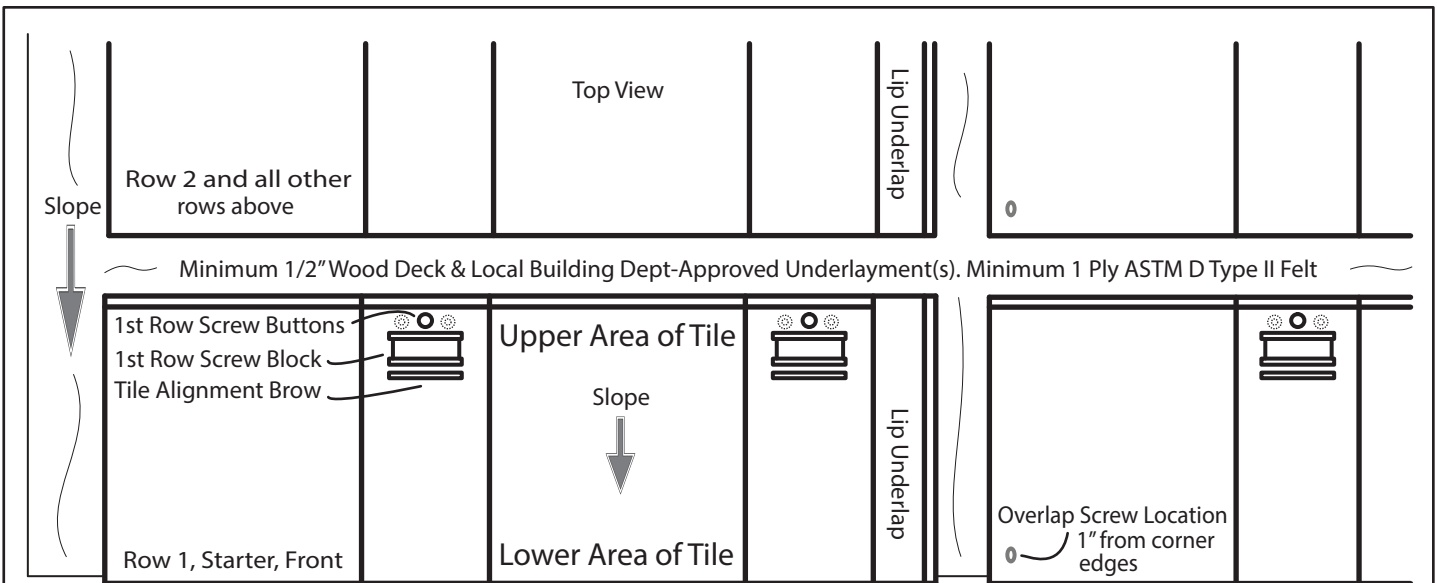


1/4" Hex Drive

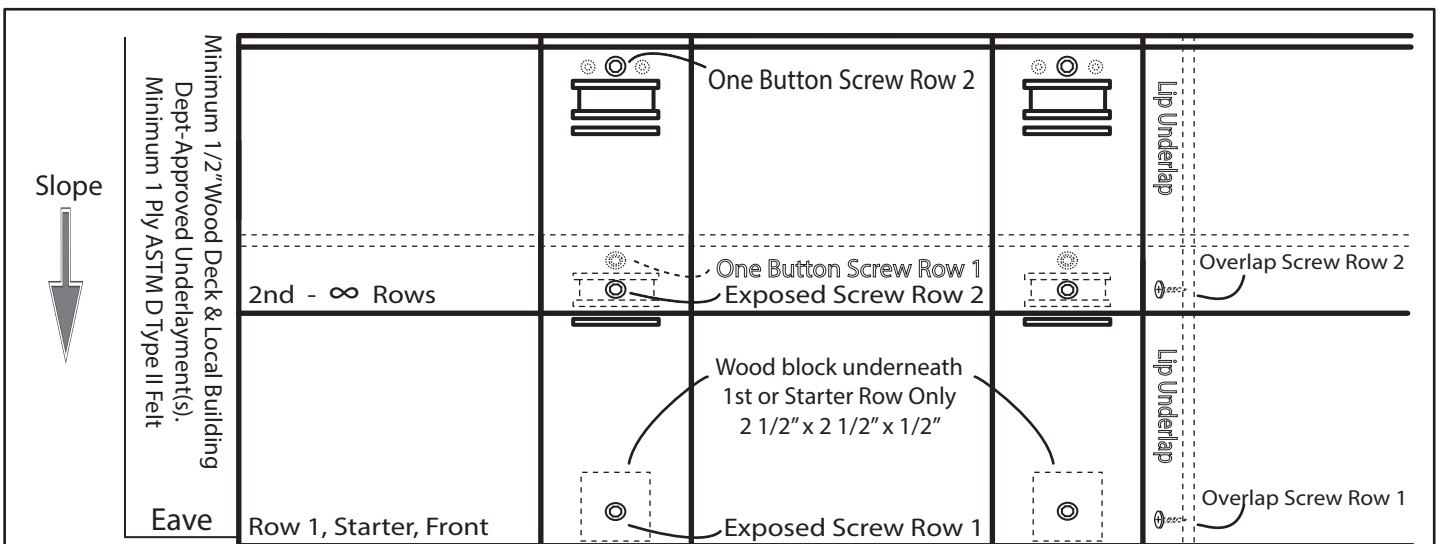


drawings not to scale

Ekorooft LiteTile Method 1 Installation Procedures - 89 PSF



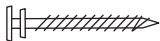
1. Install starter row by fastening tile to deck, using metal eave closures as a guide and utilizing specified screws, penetrating tile and passing through wood block. Avoid penetrating valleys or flashings when fastening. You may offset fasteners to avoid wood joints, valleys, flashings, drip edge, and eave closure metals or other conditions, as needed by using the additional buttons or flat area of tile at the tile valley. Screws at lower area of tile, at starter row are located 1/2" higher than the edge of the drip edge metal or eave closure metal below it, whichever is greater.
2. Overlap subsequent rows using alignment brow as a guide, then fasten as shown below. When using a standard overlap, the exposed fasteners are placed 1/2" from lower edge, as shown in page 4 to penetrate through screw block belonging to tile beneath it, along with underlayments and passing 3/16" through wood deck. You may increase the overlap from the standard 1 3/4" up to 4" for aesthetics or conditions, making sure to adjust the placement of lower area screws to penetrate through screw block of tile beneath it.
3. Use 1" long, #10-13 Concealor or Pancake Head screw for side overlaps. Location of screw is 1" from each corner edge on lower left corner of tile



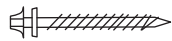
Main Fastener is #10 wood point, Corrosion Resistant & Approved Screw with EPDM washer & Hex or Concealor/Pancake head, of sufficient length to penetrate 3/16" past the deck. Exposed screws should be color-matched to tile for aesthetics.

Side overlap screw is 1" minimum, 1 1/2" maximum, #10-13 Corrosion Resistant & Approved Screw with 1/4" Hex or Concealor/Pancake Head, color-matched to tile for aesthetics.

Concealor / Pancake Head



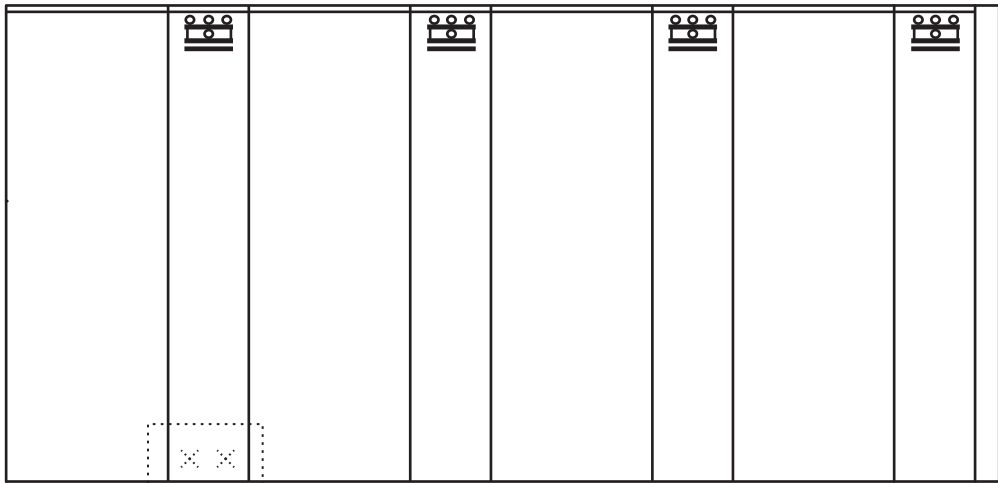
1/4" Hex Drive



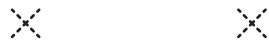
drawings not to scale

Ekoroof LiteTile Attachment Method 2 - 131 PSF

Top View of Tile



Standard Overlap Screw Locations are 1/2 inch from lower edge and 1/2 inch from side edges

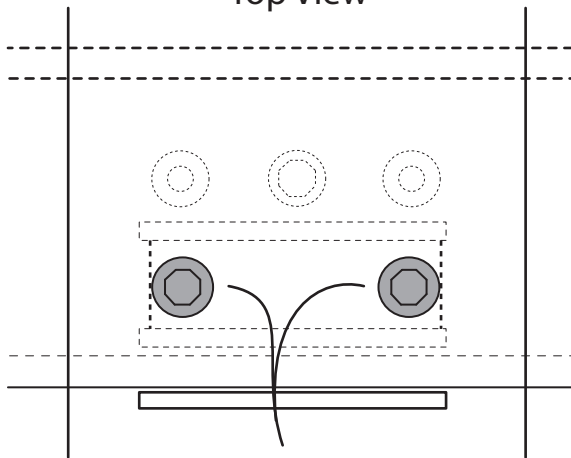


1/2 inch

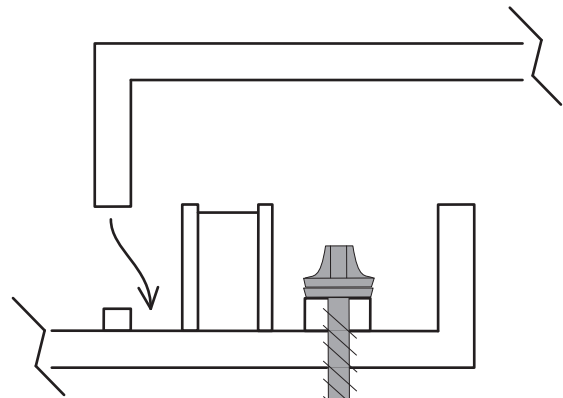
1/2 inch

1/2 inch

Top View

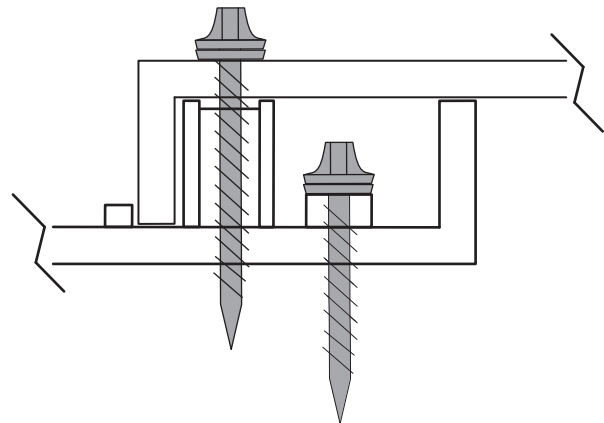


Insert fasteners through top tile and fasten through the screw block belonging to the tile beneath it.



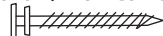
1/2 inch

Side View

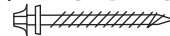


Main Fastener is #10 wood point, Corrosion Resistant & Approved Screw with EPDM washer & Hex or Concealor head, of sufficient length to penetrate the deck at least 3/16". On 5/8" Plywood, with two layers of ASTM D226 Felt and one layer of ASTM D1970 Self-Adhered underlayments, 1 1/2" length is normally enough for concealed screw, while 2" is normally enough for exposed screw(s). 2" minimum required for HVHZ. Contractor must verify on-site to ensure compliance with minimum deck penetration requirement. Exposed fastener should be color-matched to tile for aesthetics.

Concealor / Pancake Head

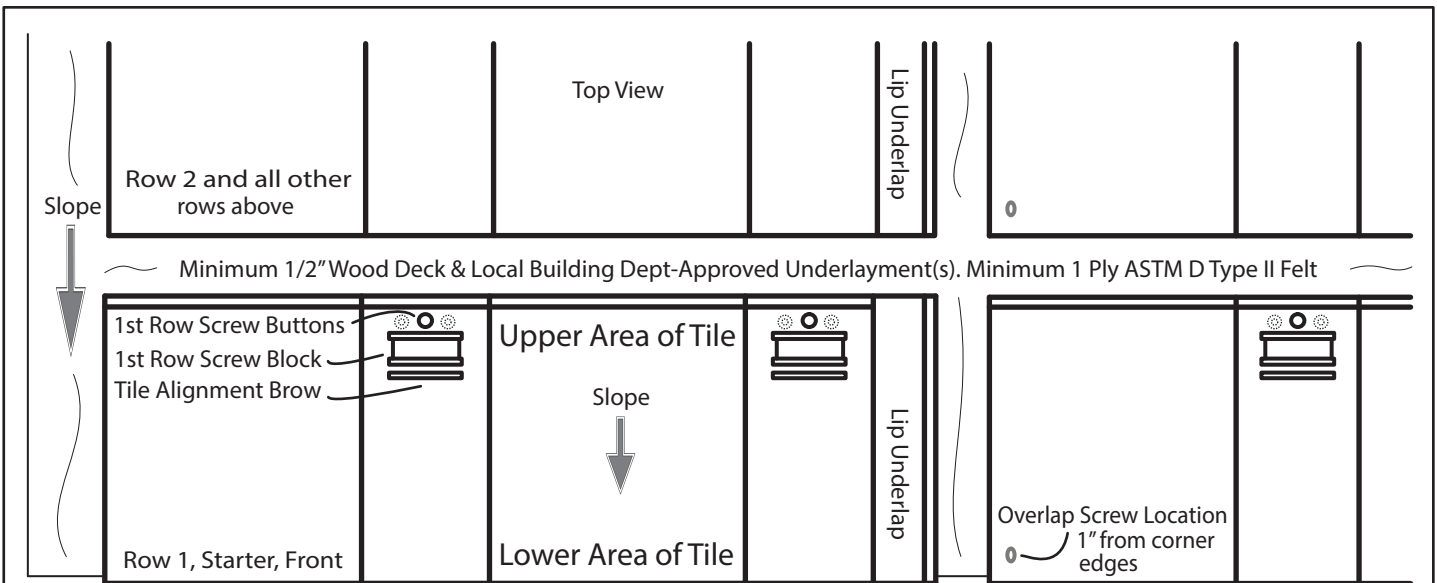


1/4" Hex Drive

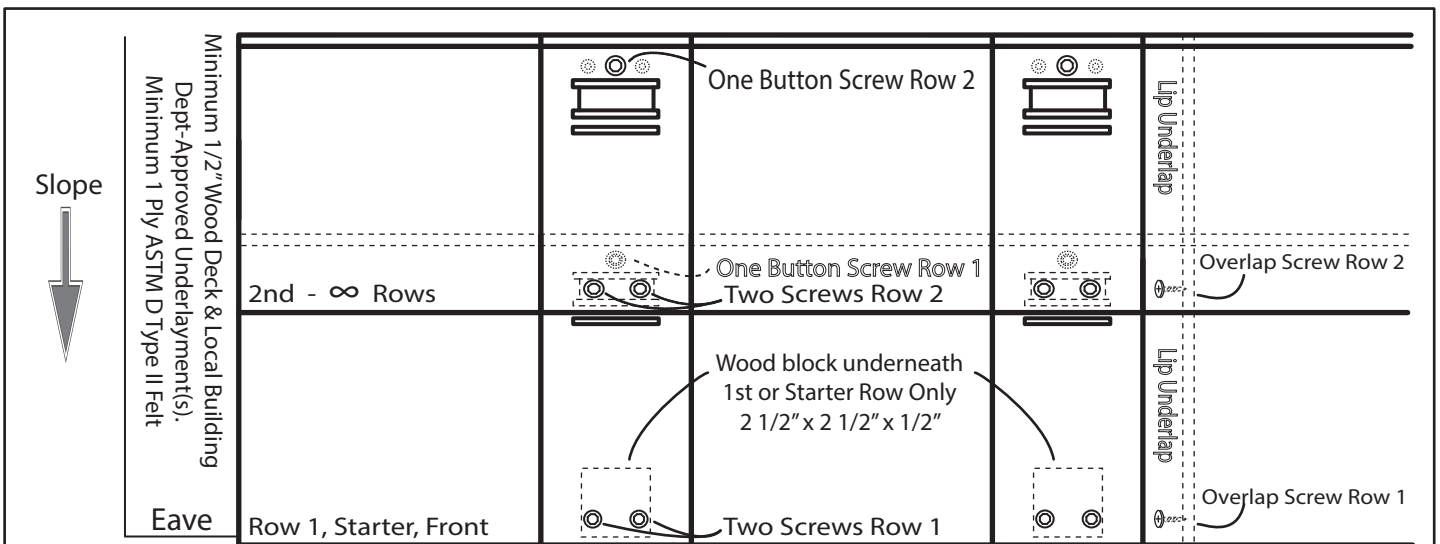


drawings not to scale

Ekoroof LiteTile Method 2 Installation Procedures - 131 PSF



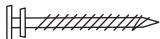
1. Install starter row by fastening tile to deck, using metal eave closures as a guide and utilizing specified screws, penetrating tile and passing through wood block. Avoid penetrating valleys or flashings when fastening. You may offset fasteners to avoid wood joints, valleys, flashings, drip edge, and eave closure metals or other conditions, as needed by using the additional buttons or flat area of tile at the tile valley. Screws at lower area of tile, at starter row are located 1/2" higher than the edge of the drip edge metal or eave closure metal below it, whichever is greater.
2. Overlap subsequent rows using alignment brow as a guide, then fasten as shown below. When using a standard overlap, the exposed fasteners are placed 1/2" from lower edge, as shown in page 6 to penetrate through screw block belonging to tile beneath it, along with underlayments and passing 3/16" through wood deck. You may increase the overlap from the standard 1 3/4" up to 4" for aesthetics or conditions, making sure to adjust the placement of lower area screws to penetrate through screw block of tile beneath it.
3. Use 1" long, #10-13 Concealor or Pancake Head screw for side overlaps. Location of screw is 1" from each corner edge on lower left corner of tile



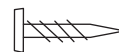
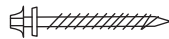
Main Fastener is #10 wood point, Corrosion Resistant & Approved Screw with EPDM washer & Hex or Concealor/Pancake head, of sufficient length to penetrate 3/16" past the deck. Exposed screws should be color-matched to tile for aesthetics.

Side overlap screw is 1" minimum, 1 1/2" maximum, #10-13 Corrosion Resistant & Approved Screw with 1/4" Hex or Concealor/Pancake Head, color-matched to tile for aesthetics.

Concealor / Pancake Head



1/4" Hex Drive



drawings not to scale