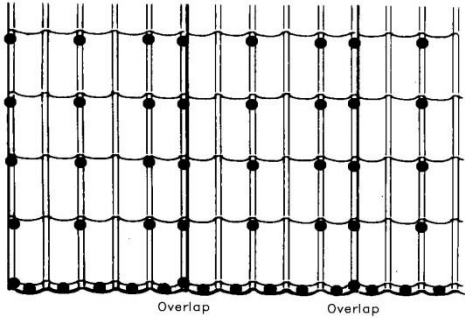
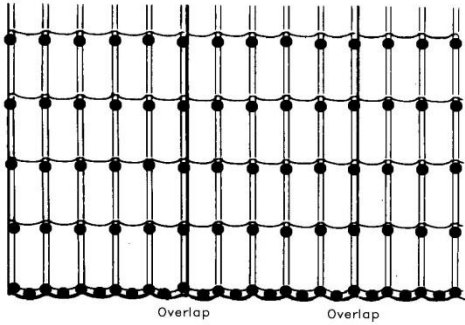
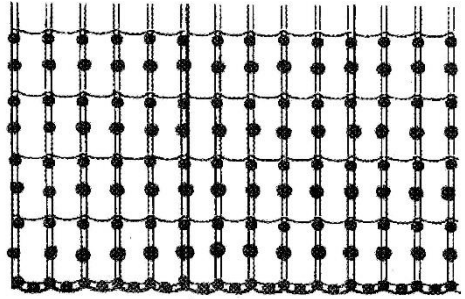


**APPENDIX 1: ATTACHMENT REQUIREMENTS FOR DESIGN WIND PRESSURE RESISTANCE:**

1. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
2. The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. Load resistance of the roof deck shall be documented through proper codified and/or FBC Approval documentation.
3. Unless otherwise noted herein, fire barrier and/or underlayment materials may be any that meets FBC Table 1507.1.1, Sabre Metals of Florida, LLC minimum requirements, the QA requirements of F.A.C. Rule 61G20-3 and FBC 1505 when installed with the roof cover.
4. "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind pressures. Appendix 2 outlines roof cladding design wind pressure requirements for gabled/hipped roofs in accordance with ASCE 7-10, multiplied by 0.6 for allowable loads ( $P_{asd}$ ). The MDP for the selected assembly shall meet or exceed the design wind pressure requirements for the project for each pressure zone of the roof.
5. For existing decks, fasteners shall be tested in the existing deck for withdrawal resistance in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105. A qualified design professional shall review the data for comparison to the minimum requirements for the system.
6. For installation over a fire barrier and/or existing asphalt shingles, panel fasteners that engage the roof deck shall be of sufficient length to penetrate the underside of the roof deck by not less than ½-inch.
7. Panel fasteners shall be corrosion resistant.

TABLE 1: SABRE METALS TILE						
WOOD DECKS - NEW CONSTRUCTION, REROOF (Tear-Off), or RECOVER (over existing asphalt shingles or wood shake/shingle)						
System No.	Deck (Note 2)	Fire Barrier / Underlay	Panel	Panel Attachment		MDP (psf)
				Fasteners	Fastener Placement	
1.	Min. 15/32" APA rated plywood	See Note 2	Aluminum or Steel	<u>Aluminum:</u> Min. 3" x No. 10 S/S wood screws with ¼-inch hex head and 0.59" S/S washer with butyl rubber gasket <u>Steel:</u> Min. 3" x No. 10 galvanized wood screws with ¼-inch hex head and 0.47" galvanized steel washer with butyl rubber gasket		-52.5

**TABLE 1: SABRE METALS TILE**
**WOOD DECKS - NEW CONSTRUCTION, REROOF (Tear-Off), or RECOVER (over existing asphalt shingles or wood shake/shingle)**

System No.	Deck (Note 2)	Fire Barrier / Underlay	Panel	Panel Attachment		MDP (psf)
				Fasteners	Fastener Placement	
2.	Min. 15/32" APA rated plywood	See Note 2	Aluminum or Steel	<u>Aluminum:</u> Min. 3" x No. 10 S/S wood screws with ¼-inch hex head and 0.59" S/S washer with butyl rubber gasket <u>Steel:</u> Min. 3" x No. 10 galvanized wood screws with ¼-inch hex head and 0.47" galvanized steel washer with butyl rubber gasket		-104.5
3.	Min. 15/32" APA rated plywood	See Note 2	Aluminum or Steel	<u>Aluminum:</u> Min. 3" x No. 10 S/S wood screws with ¼-inch hex head and 0.59" S/S washer with butyl rubber gasket <u>Steel:</u> Min. 3" x No. 10 galvanized wood screws with ¼-inch hex head and 0.47" galvanized steel washer with butyl rubber gasket		-157.5