

## BASE SHEET ATTACHMENT TO LIGHTWEIGHT INSULATING CONCRETE

### USING THE FM-290

Fastener density and spacing vary depending on applicable uplift requirements. Local codes, governing approval bodies, membrane manufacturers, and individual roofdeck manufacturers all may have specific requirements that need to be addressed prior to beginning any roofing project. The following illustrates a typical Factory Mutual Approved fastening pattern widely accepted for use by membrane and roofdeck manufacturers.

### FASTENING GUIDE CLASS I-90 WINDSTORM CLASSIFICATION

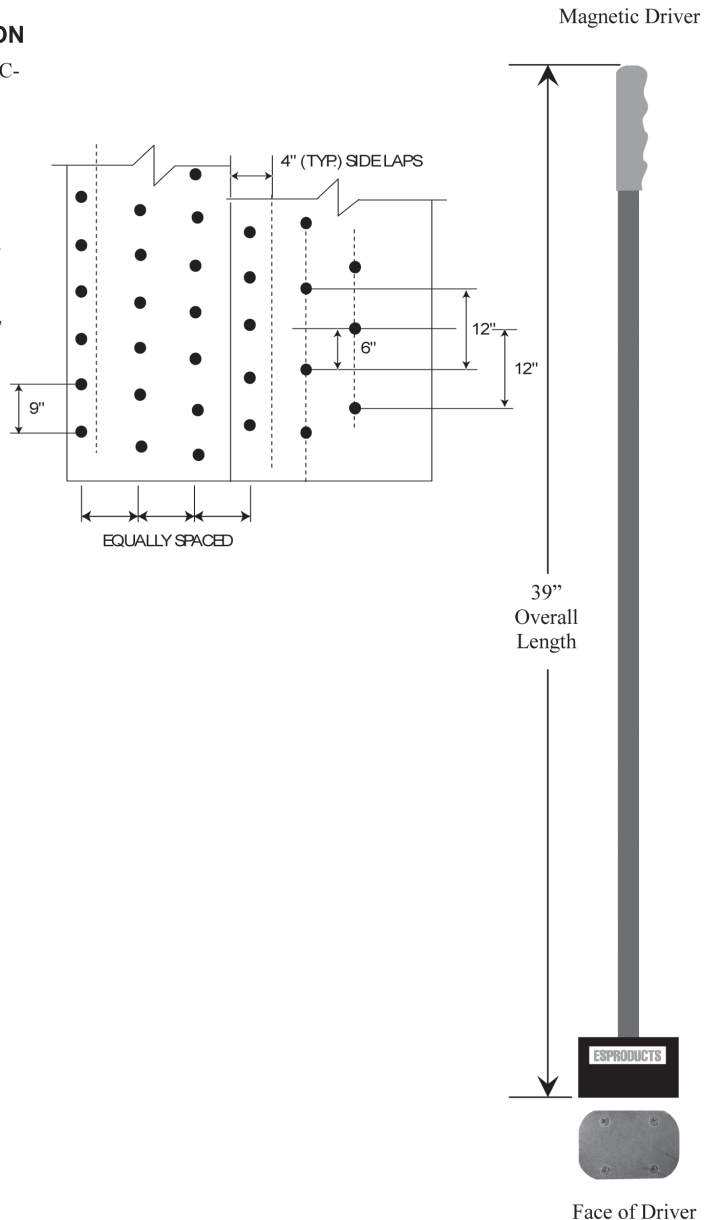
An FMRC-approved base sheet is secured to an FMRC-approved lightweight insulation concrete roofdeck as outlined in the current edition of the FMRC Approval Guide and/or RoofNav.

The base sheet is secured in the field of the roof with FM-290 fasteners installed 9" on center in the side laps and 12" on center in two staggered rows between the side laps.

When fastening meter-wide material with this pattern, expect to use approximately 113 fasteners per square (100 ft<sup>2</sup>).

**IMPORTANT:**

Prior to roofing, on-site withdrawal testing should always be performed to evaluate the ability of the roofing substrate to satisfactorily accept and retain fasteners. Such testing may alter fastening selection and modify applicable fastening patterns.



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