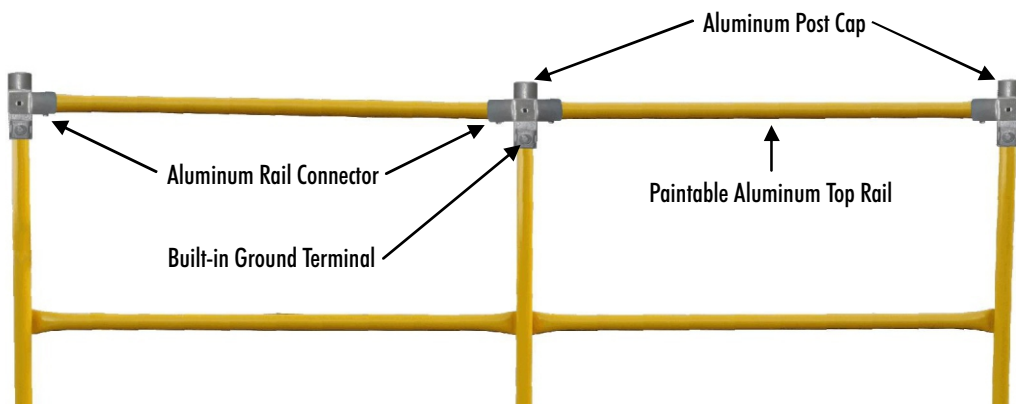


SPECIFICATION DATA

DefendeRail -Powder Coated Steel

The DefendeRail provides permanent full - perimeter fall protection with a unique design that allows 100% water -tight installation under standard roofing and sheet metal details including coping caps, drip edges, gravel stops and even inside most commercial gutters without penetrating the roof membrane. Zero Penetration attachment under standard perimeter edge details allows full access to the entire roof surface, wall flashings and sheet metal. DefendeRail can be installed prior to roof construction and even left in place during complete roof replacement. Powder coated steel colors available to match Kynar® sheet metal or other building components and RAL colors.



DefendeRail KEY FEATURES

- ◆ Permanent fall protection/Lightning Protection
- ◆ Easy to install
- ◆ "Zero Penetration" attachment
- ◆ 100% water-tight installation
- ◆ Installs under standard roofing & sheet metal details
- ◆ Allows for complete access to the entire roof surface and wall flashings
- ◆ Eliminates the need for pitch pans
- ◆ Can be installed prior to roof construction
- ◆ Can be left in place during complete roof replacement
- ◆ Custom colors to match building components
- ◆ Powder coat finish
- ◆ Made in the U.S.A.
- ◆ Meets and Exceeds
 - OSHA 29 CFR 1926.501
 - OSHA 29 CFR 1926.502
 - OSHA 29 CFR 1910.23
 - Cal-OSHA §1620
 - Cal-OSHA §1621
 - Cal-OSHA §3209
 - Cal-OSHA §3212
 - ICC 2012 Building Codes
 - ANSI/ASEE A1264.1 -2007
 - USACE EM 385-1-1 (21.E.01 a-c)
 - NFPA 780, UL96, UL96A, LPI 175
- ◆ Fully OSHA Compliant



VICKERY LIGHTNING PROTECTION

1730 CAMP WAHSEGA ROAD
DAHLONEGA, GEORGIA 30533

PHONE: 706-867-4843

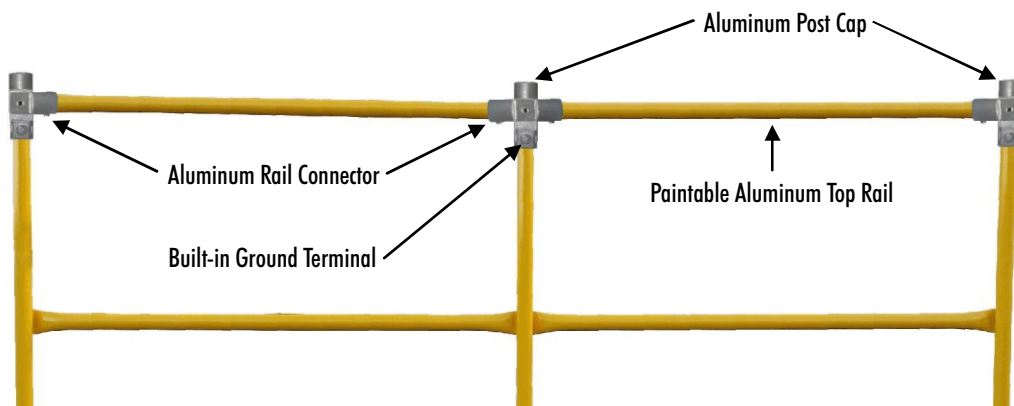
WWW.VICKERYLIGHTNING.COM



SPECIFICATION DATA

Integrated Lightning Protection

DefendeRail Lightning Protection (ILP) is designed for use with all Leading Edge Safety Permanent Guardrail Systems. DefendeRail installs quickly and easily, and the complete system can be left in place during future roof projects without compromising worker safety or your buildings lightning protection. The aluminum top rail and cast aluminum post cap and rail caps replace unsightly rods cluttering the roof perimeter.



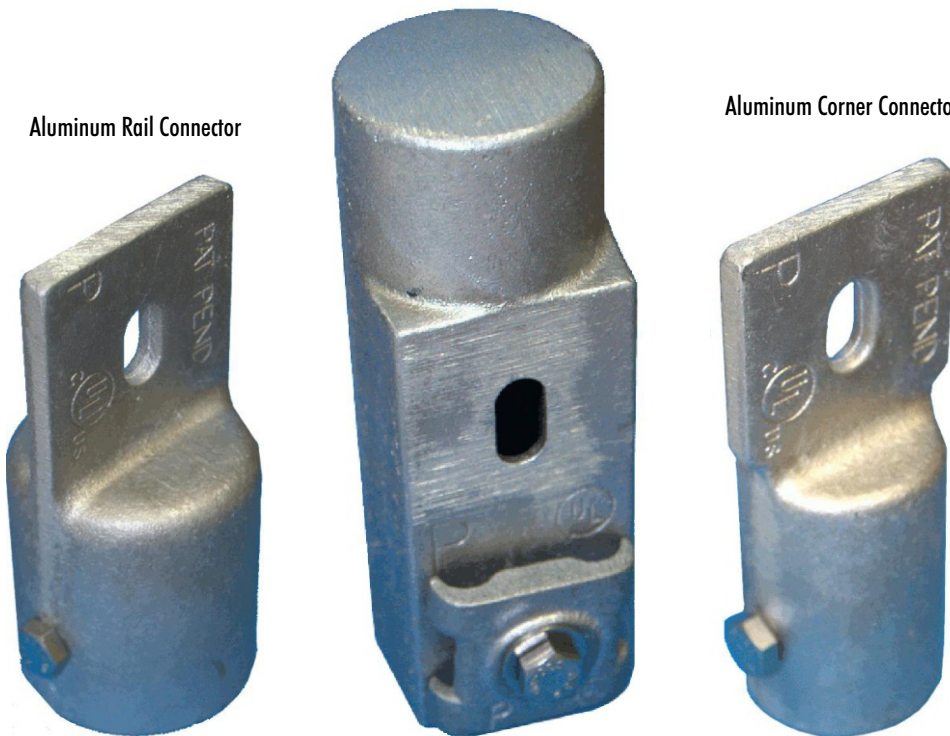
KEY FEATURES

- Permanent fall protection and lightning protection in one system
- Integrated systems reduce cost
- Easy to install
- Designed for use with all Leading Edge Safety permanent guardrail systems
- Allows for complete access to the entire roof surface and wall flashings
- Minimizes unsightly rods on the perimeter
- Can be left in place during complete roof replacement
- Ensures building protection even during roof construction
- Eliminates future removal and replacement of lightning protection
- Minimizes typical maintenance repairs associated with traditional lightning protection systems
- Powder coat finish
- Made in the U.S.A.
- Meets and Exceeds:
 - UL Listed (UL96, UL96A, NFPA780, LP1175 & Eligible for UL Master Label)
- Fully OSHA Compliant

Aluminum Post Cap

Aluminum Rail Connector

Aluminum Corner Connector



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Grady Vickery
Master Installer Designer
#1493

Product Name: DefendeRail Lightning Protection

Product Description: DefendeRail Lightning Protection installs quickly and easily to provide both guardrail protection for workers and lightning protection for your building. UL Listed (UL96, UL96A, NFPA780, LPI175 & Eligible for UL Master Label)

Applications: DefendeRail Lightning Protection provides building lightning protection to both new and existing LES/PRS guardrail systems.

Installation: Integrated Lightning Protection is installed with guardrails around the building perimeter for facilities that need both lightning protection and fall protection. Aluminum Post Caps are added to the guardrail uprights, an aluminum pipe top rail is installed with Rail Connectors, and the system is grounded every 100' or less as required for the lightning protection system.

Materials:

Post Cap: Cast 356.1 Aluminum

Rail Connector: Cast 356.1 Aluminum

Corner Connector: Cast 356.1 Aluminum

Horizontal Rail: 1.66" x .191" Schedule 80 Aluminum (ASTM B429 6061-T6)

Finish: Mill finish Post Caps (DefendeRail is powder coated)

Colors: Numerous colors to match Kynar® sheet metal, building components and RAL components

Hardware: 3/8"-16 x 1-1/2" hex head bolt, full threads 18-8 stainless steel
3/8" flat washer 18-8 3/8" flat washer stainless steel

Labels: Applicable safety warnings and Vickery's contact information.

Sizes: Caps: 5.75" x 1.75" ID

End Connectors: 4.75" x 1.70" ID

Corner Connectors: 4.75" x 1.70" ID

Horizontal Rails: 8'-0" o.c. and field cut to fit

Weight: Caps: .75 lb

End Connectors: .825 lb

Corner Connectors: .4626 lb

Horizontal Rails: 1.037 lbs / lineal foot +/-

Standards: UL Listed (UL96, UL96A, NFPA780, LPI175 & Eligible for UL Master Label)
Meets and exceeds OSHA Standard 29 CFR 1926.501, 1926.502, 1910.23, Cal-OSHA §1620, §1621, §3209, §3210, ICC 2012 Building Codes, ANSI/ASEE A1264.1 -2007, and USACE EM 385-1-1 (21.E.01 a-c)

Warranty: 1 year manufacturer's limited warranty covering manufacturing defects.

Country of Origin: United States of America

AutoCAD details and specifications available at www.vickerylightning.com

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