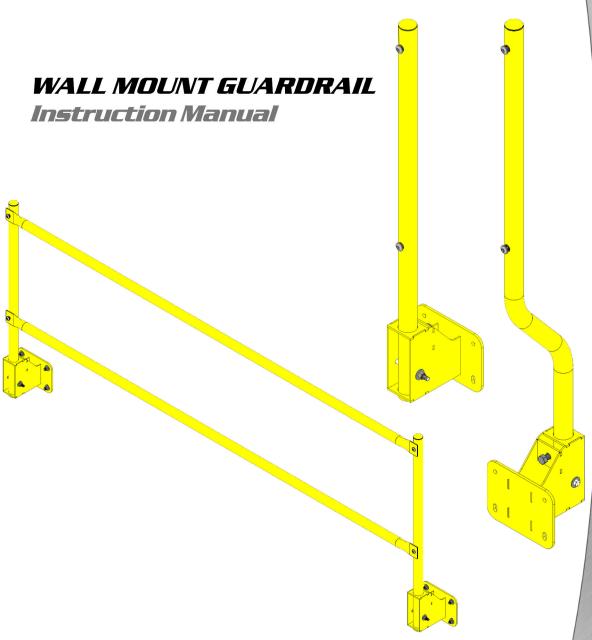
LEADING EDGE SAFETY

LEADING EDGE S A F E T Y





Complete Permanent Perimeter Fall Protection System



*WARNING

Serious injury or death may result if this product is used for purposes other than designed. The manufacturer provides the following instructions for the use and care of this equipment. It is the responsibility of the purchaser to understand and convey explicit instruction to each user. The Wall Mount Guardrail product complies with the requirements of the Federal Occupational Safety and Health Administration (OSHA) when set up and used according to the Manufacture's instructions.

Wall Mount Guardrail Instruction Manual

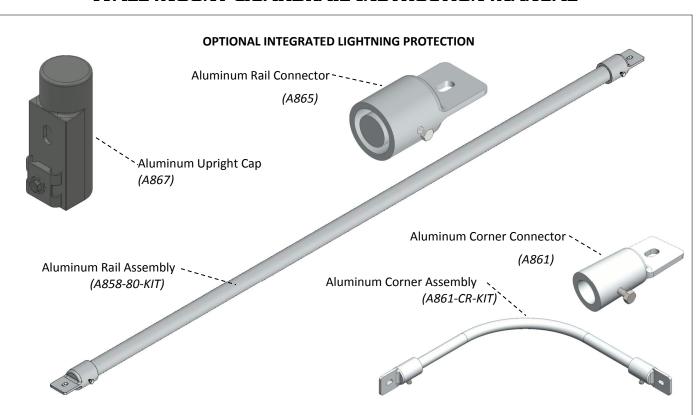
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DIAGRAM OF PARTS The Wall Mount Guardrail is comprised of numerous components. Below are examples of the individual parts that comprise the system. These parts may or may not be a part of your particular system, and are shown for reference only. **GUARDRAIL COMPONENTS Upright Assembly** (FMB-000-17) Insert Rivet Nut (Pre-Assembled) 3/8-16 x 1" Flange Head Screw **Outside Adjustable Corner** PRS-302-12 **Inside Adjustable Corner** PRS-303-12 (FOR INSIDE PARAPET MOUNT ONLY) •Post **Backup Plate** (FMB-100-13) **Rail Corner Support** PRS-RCS-001-13 29"-43" Adjustable Length Rail RB-ARAIL-43 3/8-16 Nylon-Insert Nut ______29"- 43" — 43"-70" Adjustable Length Rail `Mounting Bracket RB-ARAIL-70 3/8-16 x 2 1/2" Hex Head Bolt - 43"- 70" *-***Mounting Plate** 70"-120" Adjustable Length Rail RB-ARAIL-120 – 70" - 120" – 8' Fixed Length Rail RB-RAIL-08 96"



PRIOR TO INSTALLATION

- A competent professional should ensure the substrate is adequate and structurally sound prior to any guardrail installation.

 Any improvements to the substrate shall be made prior to any guardrail installation.
- Establish the layout of the roof area to be protected. Any object that will interfere with the railing system should be evaluated and considered in the design layout. In most cases, a guardrail layout drawing is provided as a general layout guide. Actual field conditions may require layout modifications from the provided layout drawing.
- Recommended Fasteners:

Backup Plate (Inside Parapet Wall Mount Installation)

Wood—1/4" x 1-1/2" GRK RSS Structural Screws or 5/16" x 2-1/2" GRK RSS Structural Screws

Concrete – 1/4" x 1-1/4" through 2-1/4" GRK Caliburn PH Screws

(1" minimum penetration is required)

Other Substrates and Code requirements – Consult Leading Edge Safety technical department.

Mounting Plate (Outside Wall Mount Installation)

Wood-3/8" x 2" (min) Lag Screws

Concrete-3/8" x 2" (min) Large Diameter Tapcon (LDT) Anchors

(1" minimum penetration is required)

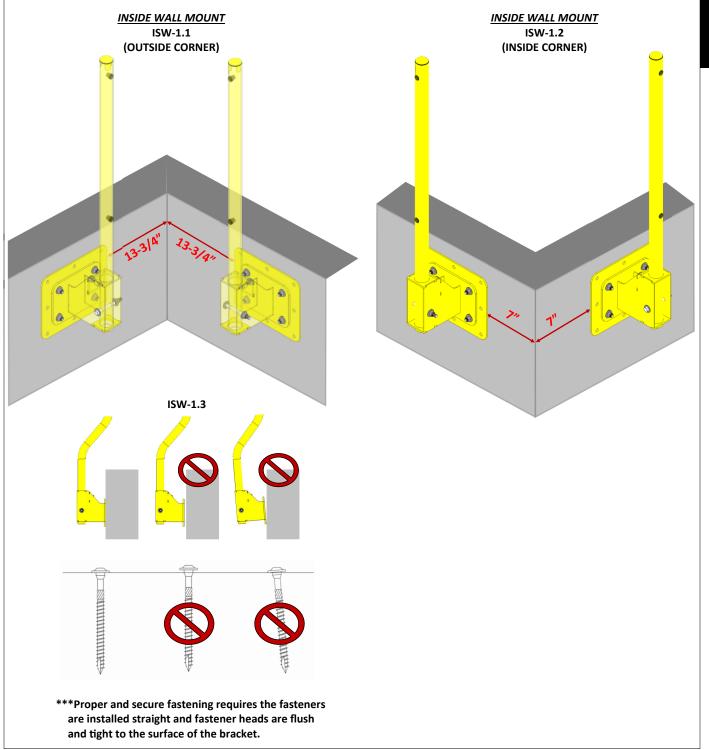
- Begin installation at the corners and work toward the middle of the edge being guarded.
- Do not use impact drivers to secure flange head screws.
- Follow fastener manufacturer instructions for installation and proper installation tools.

INSIDE WALL MOUNT INSTALLATION

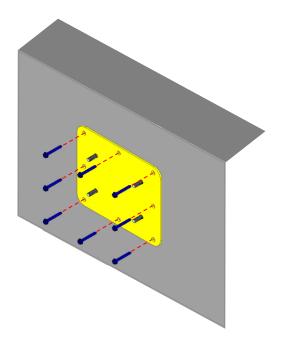
(For Outside Wall Mount Installation, see page 10)

Determine the first corner from which work will begin. To ensure proper placement of the corner uprights, space each upright according to the appropriate figures below for your application.

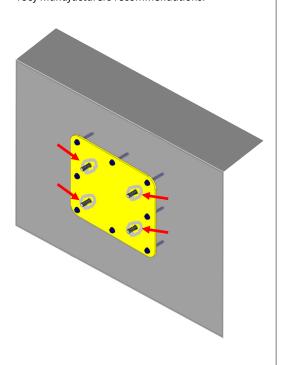
Ensure uprights are plumb and the vertical face of the mounting bracket is flush with the substrate (ISW-1.3); attach to structure with appropriate fasteners.



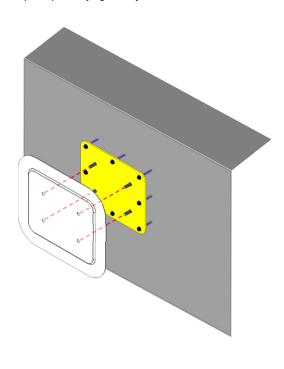
<u>ISW-2</u> Attach backup plate to wall with appropriate fasteners.



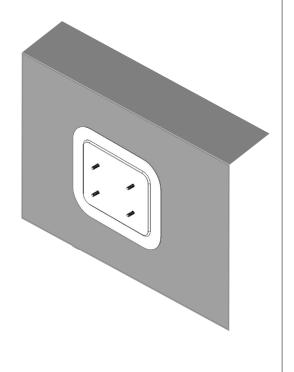
<u>ISW-3</u> Apply non-curing butyl around threaded studs per roof manufacturers recommendations.

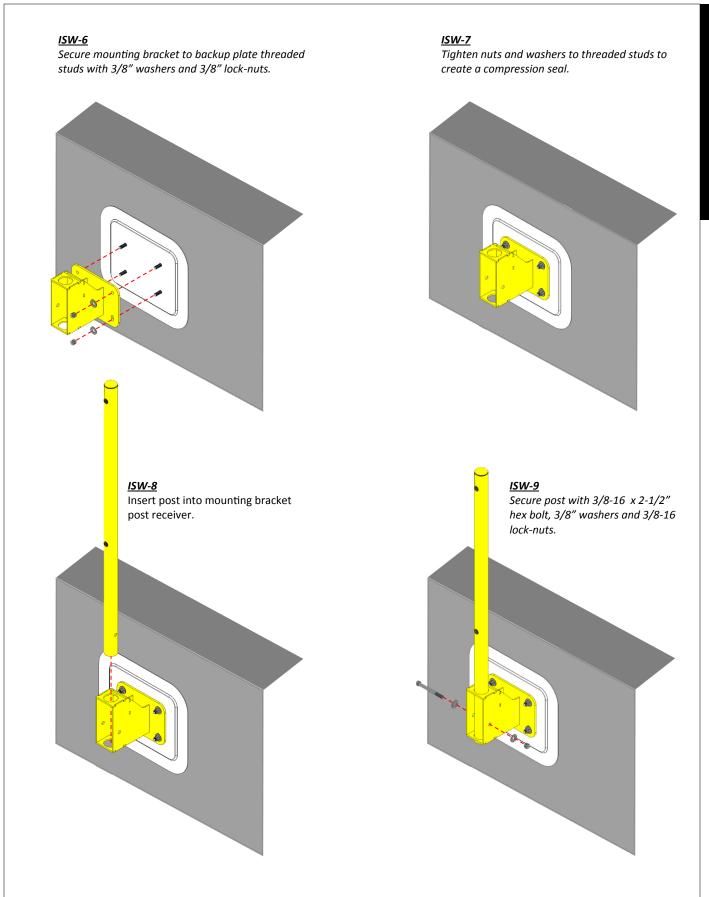


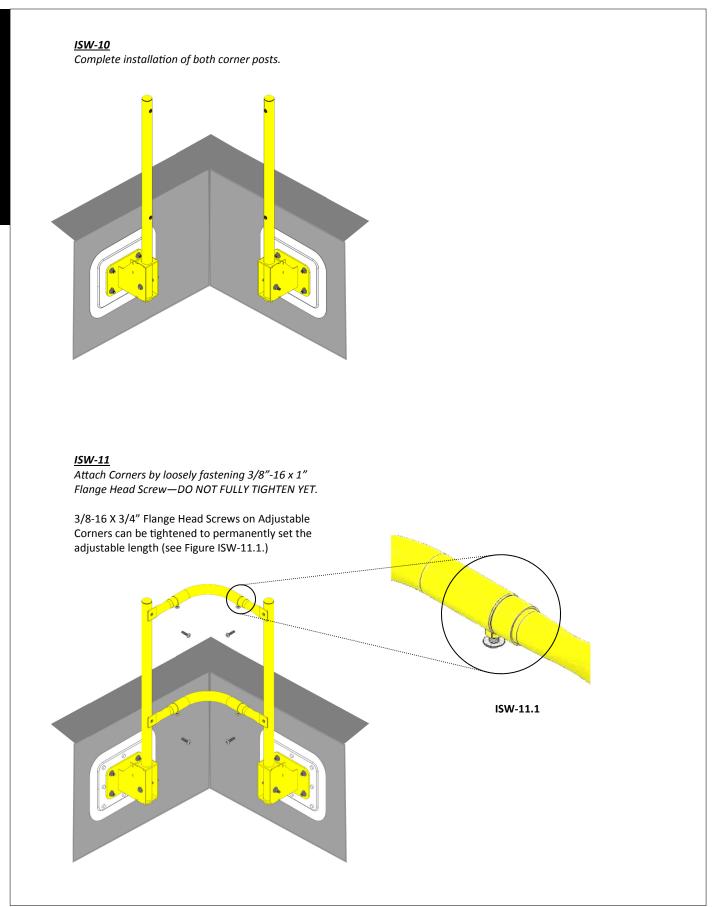
<u>ISW-4</u>
Apply roof membrane target patch over backup plate per roofing manufacturers recommendations

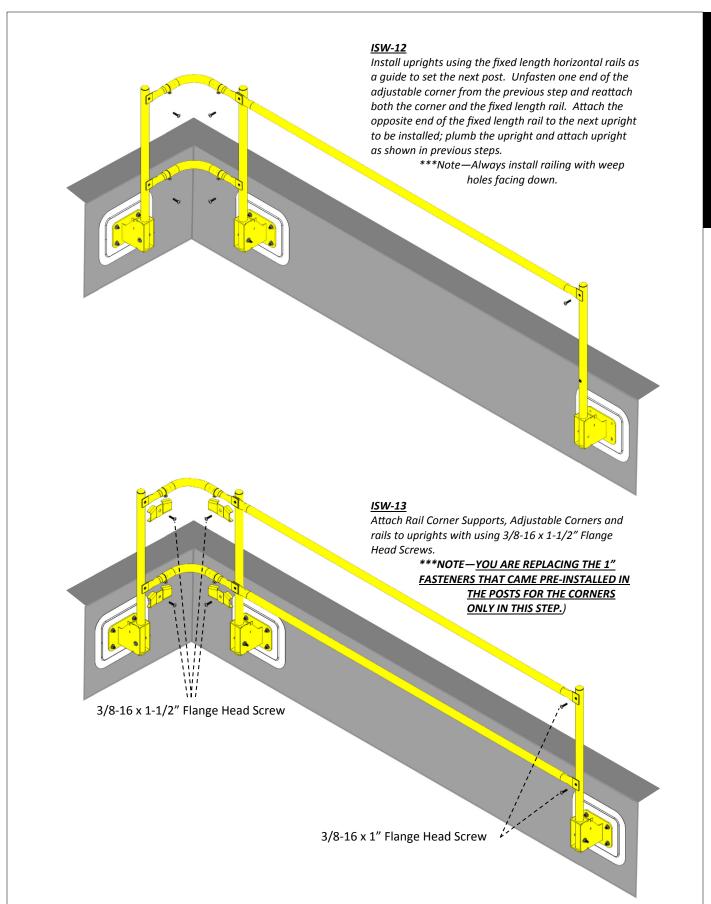


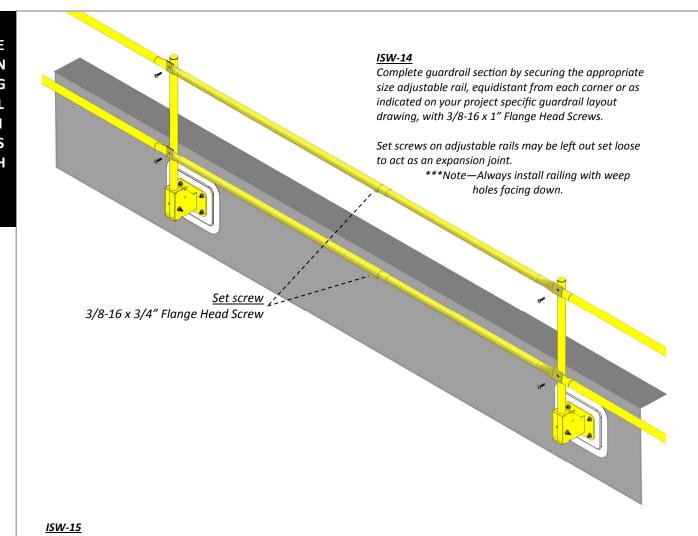
<u>ISW-5</u> Target patch installed.









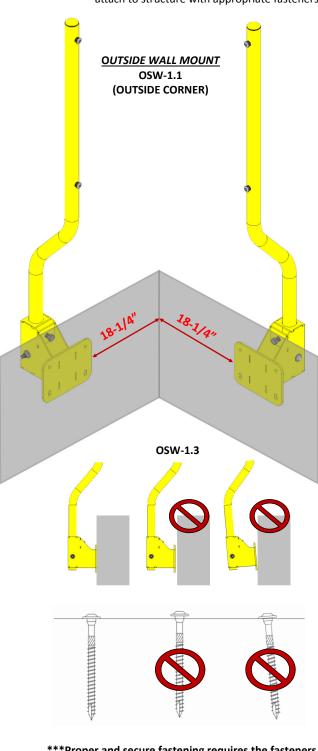


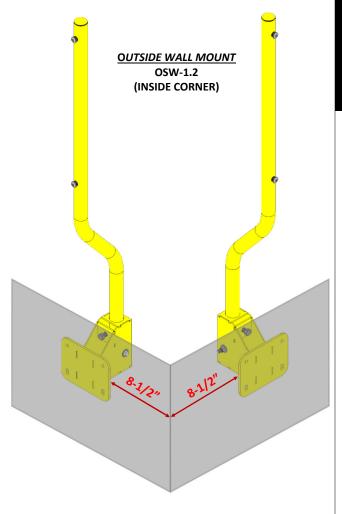
Secure all flange head screws for railing to the recommended torque of seventy (70) inch pounds for clean and dry bolts.

OUTSIDE WALL MOUNT INSTALLATION

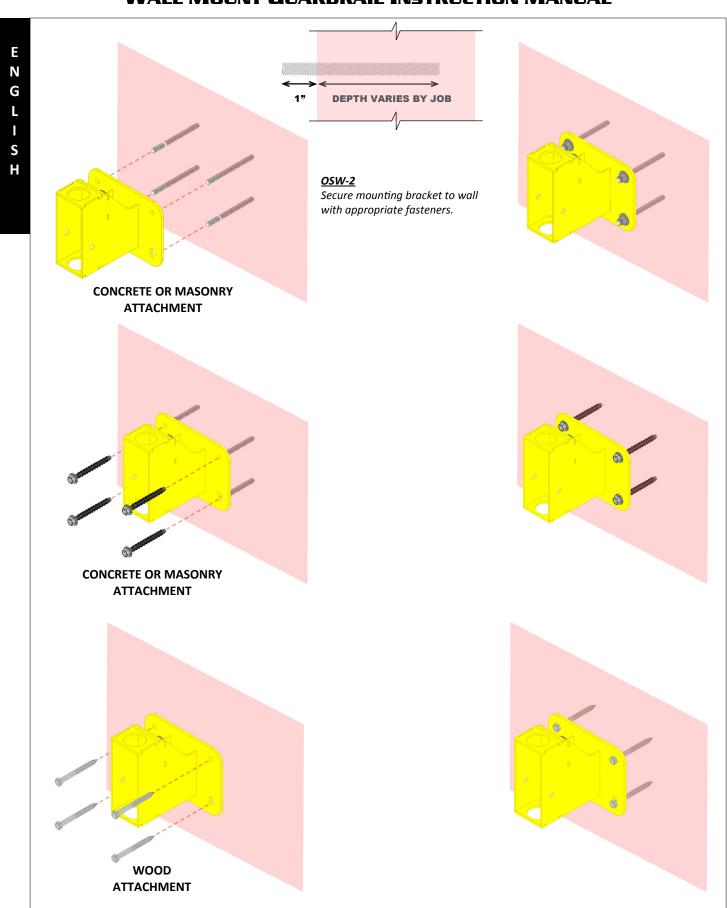
Determine the first corner from which work will begin. To ensure proper placement of the corner uprights, space each upright according to the appropriate figures below for your application.

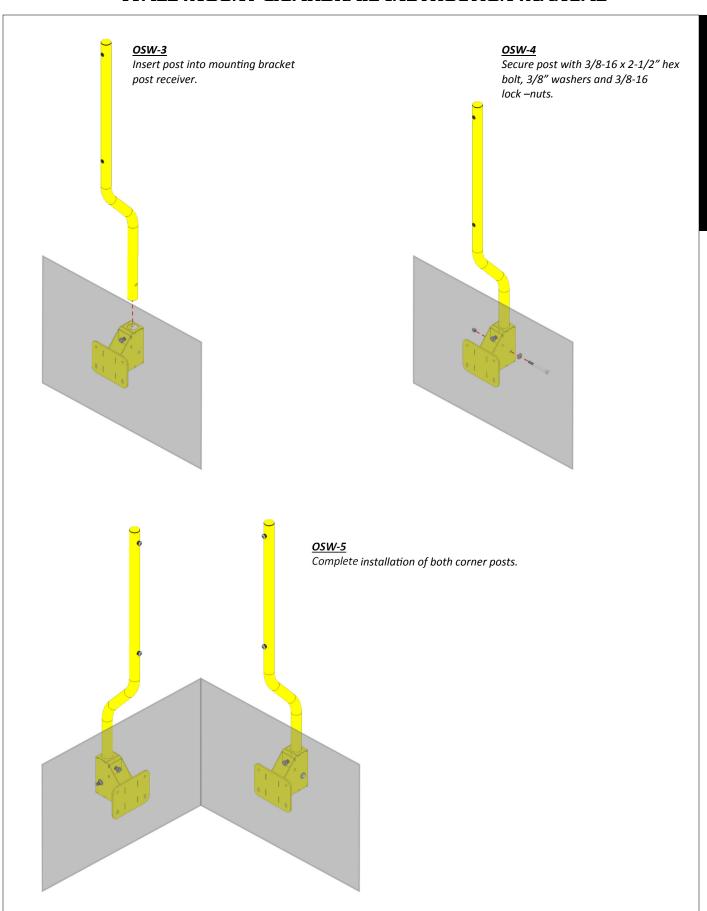
Ensure uprights are plumb and the vertical face of the mounting bracket is flush with the substrate **(OSW-1.3)**; attach to structure with appropriate fasteners.

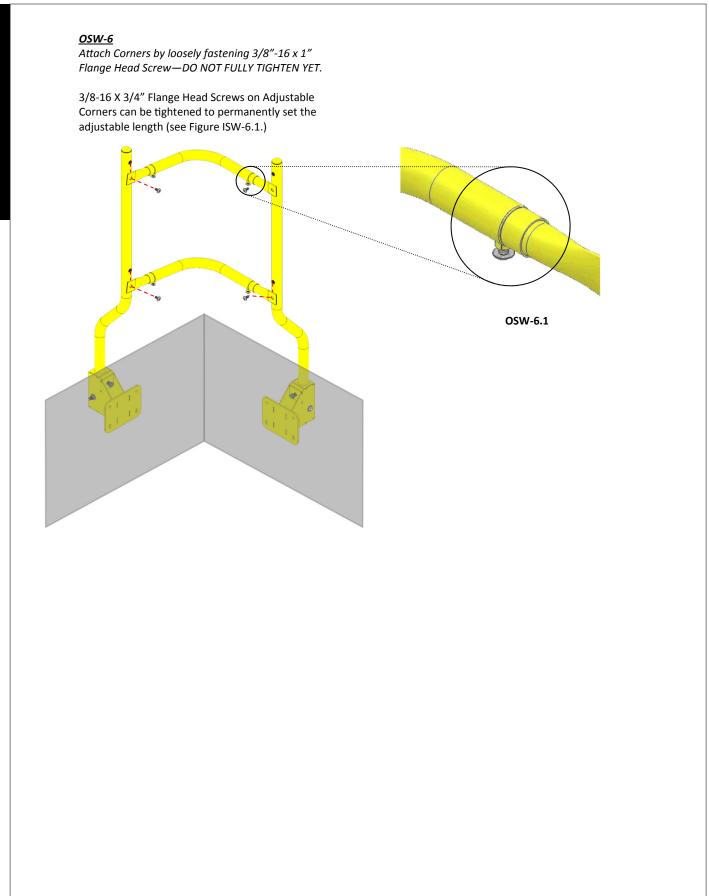


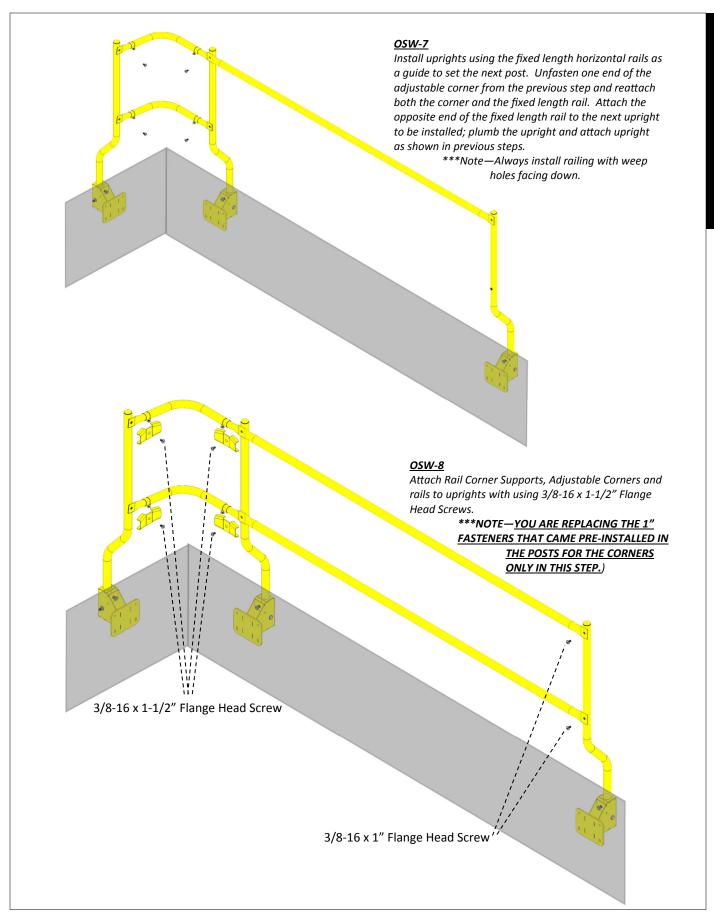


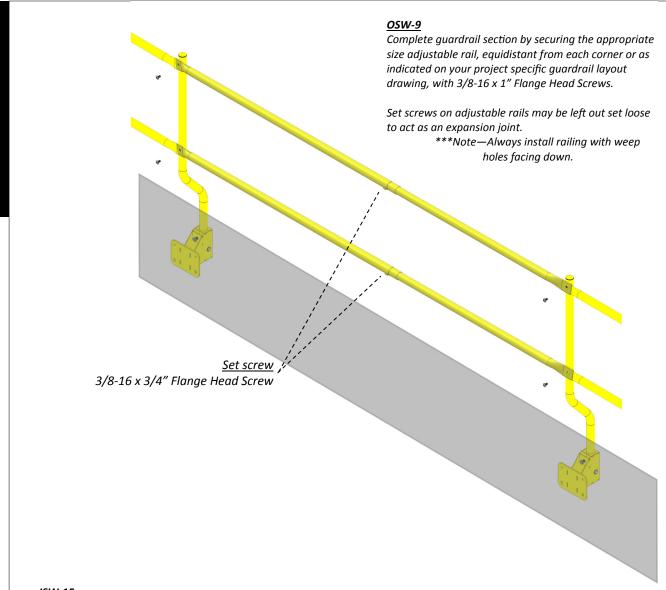
^{***}Proper and secure fastening requires the fasteners are installed straight and fastener heads are flush and tight to the surface of the bracket.





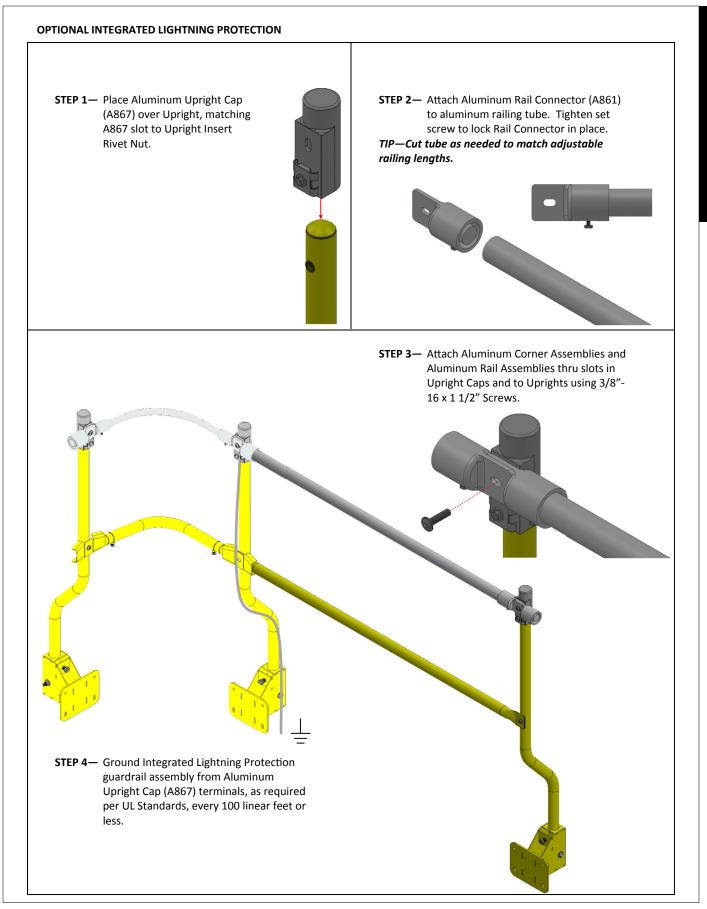






ISW-15

Secure all flange head screws for railing to the recommended torque of seventy (70) inch pounds for clean and dry bolts.



APPLICATIONS

The Wall Mount Guardrail is to be used as a guardrail system for roofs as described by OSHA Standard 1910.29 and 2012 International Building Code.

The Wall Mount Guardrail should be used as a part of a complete fall protection system plan.

USE AND LIMITATIONS

The Wall Mount Guardrail can be used with many different types of roofing, decking, edge, or parapet conditions provided a competent professional has determined that the roof, deck, edge and/or structure is capable of withstanding the load requirements of the specified system.

The Wall Mount Guardrail is intended for use as a guardrail system as defined by OSHA and meets and exceeds the requirements set for by OSHA Standard 1910.29 and 2012 International Building Codes when properly installed.

NO component of the Wall Mount Guardrail has been designed as an 'Anchorage' point and should NEVER be used as such.

Hoisting and snap hook devices should never be attached to any component of the Wall Mount Guardrail.

Leading Edge Safety guardrail systems are designed to prevent employees from falling. While companies can provide safety training and safety systems, such as guardrail systems, every employee is responsible for their own safety and should act in a safe and responsible manner while on any roof.

In additional to fall protection such as guardrails, Leading Edge Safety recommends implementing a Fall Protection Plan for every roof and safety training in accordance with OSHA Standards.

Improper use of Leading Edge Safety guardrail systems can result in serious injury or death.

AFTER A FALL OR IMPACT

All components that have been subjected to fall or impact forces must be removed from service immediately for inspection and replacement if necessary by competent personnel.

BEFORE EACH USE

Guardrail systems should be inspected prior to each use for wear, damage or deterioration, and defective components shall be removed from service.

INSPECTION STEPS

- $\label{eq:STEP 1: Check for loose, bent or damaged parts.} \\$
- STEP 2: Check fasteners/connectors for distortion, cracks, or other damage and proper torque.
- STEP 3: All labels must be present and fully legible.
- STEP 4: Check for corrosion on Parts.

MAINTENANCE AND CARE:

- A. Inspect all guardrail components before each use.
- B. Annually and before each use, inspect all fasteners for proper torque.
- C. Maintain paint finish to prevent corrosion.
- D. Replace damaged or deteriorated parts immediately.

APPENDIX A - Assembly, Inspection and Maintenance Log

*** Please Copy This Example Log and Review Before Each Use and During Regularly Scheduled Maintenance ***

DATE IN-SERVICE:	
ASSEMBLED BY: (PRINT NAME)	
SIGNATURE:	
COMPANY:	
INTENDED USE OR OTHER RELEVANT DETAILS:	
DATE:	
INSPECTED BY:	
NOTE CONDITION OF:	
UPRIGHTS:	
UPRIGHT RAIL CONNECTORS:	
RAILS:	
OTHER MISC PARTS:	
NOTES:	
DATE:	
INSPECTED BY:	
	NOTE CONDITION OF:
UPRIGHTS:	
UPRIGHT RAIL CONNECTORS:	
RAILS:	
OTHER MISC PARTS:	
NOTES:	



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