

Residential Fall Protection

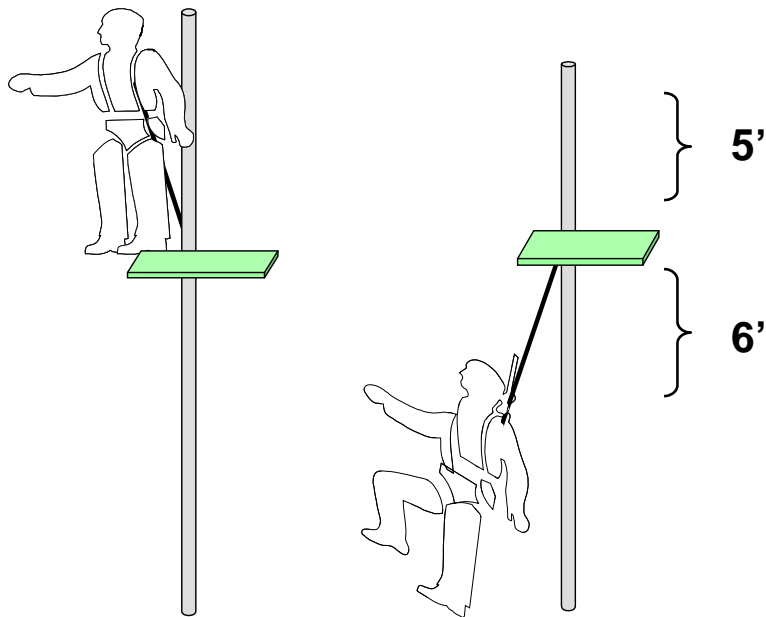
OSHA Change

- June 16th, 2011
- Rescinds Interim Rule From 1995
- Slide Guards (i.e. Roof Brackets) No Longer Acceptable as Fall Protection (still use for staging)
- Over 6' = Guardrails, Harnesses and/or Safety Nets
- All State-run Labor Agencies Must Have Similar Regulations



Personal Fall Arrest Systems

- Save Lives
- High Level of Training
- Regular Inspection and Replacement
- Distance Calculations and Repositioning
- Rescue Plan Needed
- Use With Guardrails



Passive Fall Protection

- **“In general, it is better to use fall prevention systems, such as guardrails,** than fall protection systems, such as safety nets or fall arrest devices, because they provide more positive safety means.”



- “It Takes The Responsibility Out Of The Hands Of The Individual Laborer”
- “They Do Not Need to Actively Participate”
- Ask Your Local Inspector Why They Prefer To See It



Passive Fall Protection

Lowest Risk

- Install Once and Cover Everyone
 - Easy to Set-up No Matter Who is “In Charge” of Fall Protection
 - Covers Work Done Before Roofing Crew Arrives on Job Site (Framers, Plumbers, Electricians, HVAC, Inspectors)
- Requires Least User Training
 - All Employees Need Not be Trained in Operation
 - No Individual Adjustments or Proper Fittings
 - Cannot Install “Upside Down”
- Limit Controlling Contractor Citations



Passive Fall Protection

Least Impeding

- No Tangles with Air Hoses or Other Workers
- No Need for Re-connect Points
- No Restrictions on Size of Crew
- No Limit on Workers per “Anchor Point”
- No Continual Testing of Equipment



Most Economical

- Nearly Unlimited Useful Lifetime
 - Require Almost No Maintenance
 - Not Damaged by Sun or Weather



Guardrails- OSHA Rules

- Top- Rail: 42" +/- 3" From Working Surface
- Toe-Board: 4" Nominal
- Mid-Rail: Halfway
- Not Deflect Below 39" Under 200lb. Load
- Required on Rake Edge
- Guardrail Entire Roof
- Greater than 4/12 Pitch = Steep Slope



This guardrail appears to be properly constructed except for the missing toeboard that is required to prevent object from falling to the floor below and possibly striking another worker.



ACRO Residential Guardrail System

- Two Brackets; One solution
- Brackets with interchangeable post
- Provides fall protection, slide-guard, toeboard & walking/staging surface
- Nails on like roof brackets
(Already Familiar with use)
- Interleaves with shingles
- Slotted for easy removal
- Works on any pitch up to 16/12
- Tested in a lab to meet OSHA's 2011 regulations
- Maximum spacing 8' apart
- Used in all phases of construction



#12070 & #12075

12070

- Eave Edge
- 4/12 to 16/12 Pitch



12075

- Rake Edge
- Low Slope Eaves



12070 Install

- Set Pitch on Bracket
- On Flat Surface Set Pole
- Secure to Rafter/Truss with Four 16d Nails
- Space Maximum of 8' – Less if Staging Heavy Material
- 4' or 6' Spacing Allows Moving Without Taking Down System
- Slotted For Easy Removal
- Full Instructions at AcroBuildingSystems.com

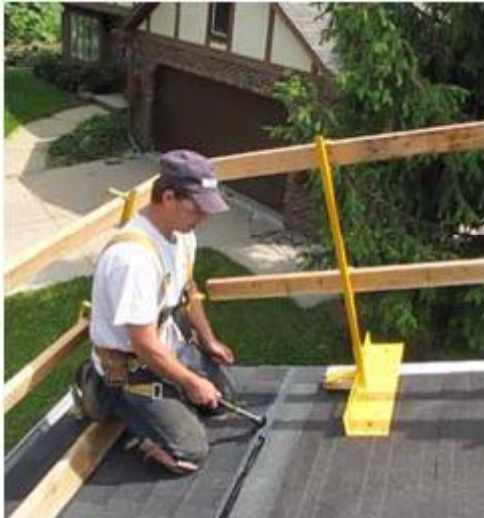


12075 Install

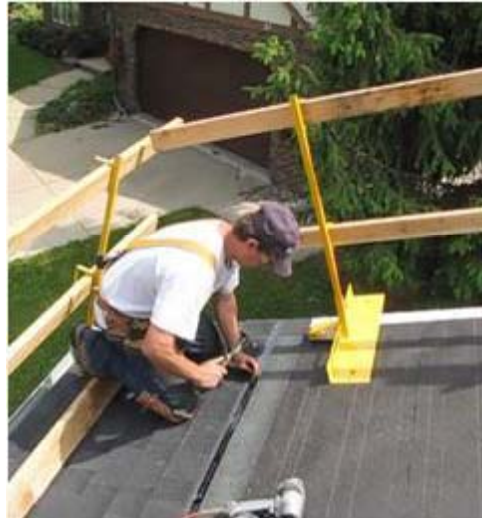
- Identify Location & Spacing of Rafters/Trusses
- Use for 16" or 24" Spacing
- Secure to Two Rafter/Truss with Eight 16d Screw Shank Nails
- Space Maximum of 8'
- 7' Spacing Allows Moving Without Taking Down System
- Slotted For Easy Removal
- Full Instructions at AcroBuildingSystems.com



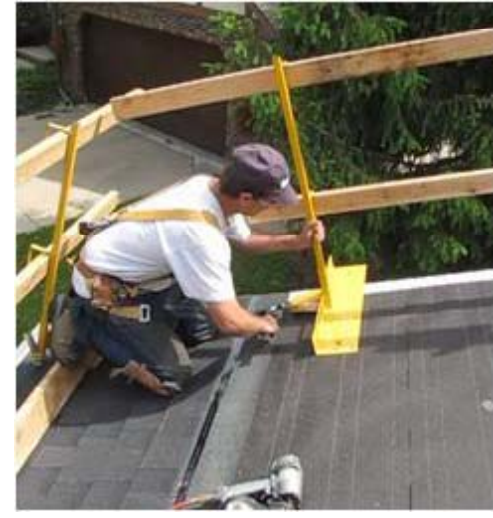
12075 Move Down



1) Shingle Up To Bottom of Bracket



2) Locate Truss & Start Positioning Nail



3) Knock Bracket Off from Initial Position



4) Move Bracket Down to Positioning Nail



5) Secure Positioning Nail



6) Secure All Other Nails

Acro Residential Guardrail System



Acro Roof Brackets

- For Optimum Safety and Material Staging Use Acro Roof Brackets on the Balance



16" Regular Roof Brackets			
Model #	Length	°	Plank Size
16456	16"	45°	2x6"
16606	16"	60°	2x6"
16904	16"	90°	2x4"
16906	16"	90°	2x6"
19" Contractor Roof Brackets			
Model #	Length	°	Plank Size
19904	19"	90°	2x4"
19606	19"	60°	2x6"
19608	19"	60°	2x8"
19601	19"	60°	2x10"
19456	19"	45°	2x6"
19458	19"	45°	2x8"
19901	19"	90°	2x10"
19906	19"	90°	2x6"
19908	19"	90°	2x8"



Why ACRO

- Fully Covered by Product Liability Insurance
- Supported by Outside Sales Staff and Manufacturer Call Center
- Online Instructions and Product Videos for User Training
- True Innovator with a Long History of Working with Contractors
- Only Rake Edge Bracket that Interleaves
- Tested in a Lab & Documented
- Made in America



Additional Information

- www.osha.gov
- www.osha.gov/doc/residential_fall_protection.html
 - Residential Fall Protection Directive
 - Federal Register Notice
 - Questions and Answers
 - News Release
 - Fact Sheet



Other ACRO Solutions

