


MANC04 Wood Frame
Structure Anchors



FALLTECH MANC04 Wood Frame Structure Anchors Instruction Manual

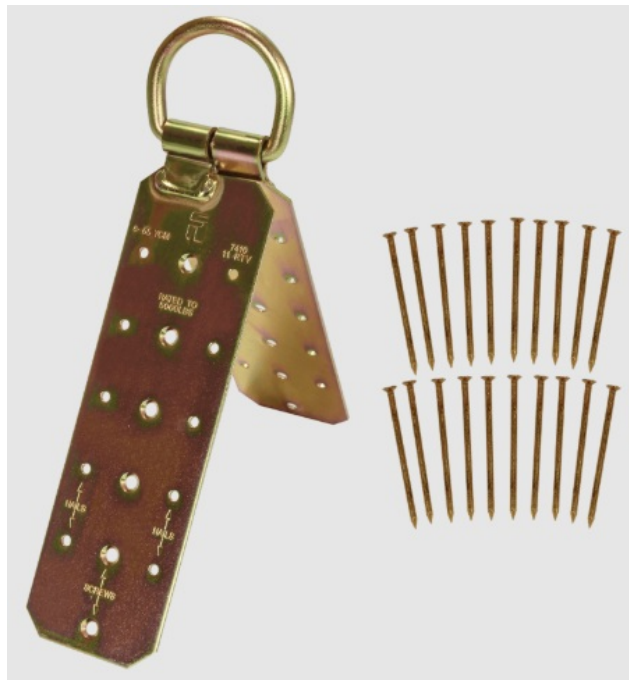
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FALLTECH MANC04 Wood Frame Structure Anchors



This manual is intended to meet the Manufacturer's Instructions as required by ANSI Z359 and should be used as part of an employee training program as required by OSHA. This manual assumes the user has been trained in the use of this equipment.

WARNING

This product is part of a personal fall arrest, restraint, work positioning, suspension, or rescue system. A Personal Fall Arrest System (PFAS) is typically composed of an anchorage and a Full Body Harness (FBH), with a connecting device, i.e., a Shock Absorbing Lanyard (SAL), or a Self-Retracting Device (SRD), attached to the dorsal D-ring of the FBH. These instructions must be provided to the user of this equipment. The user must read and understand the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use, care, and maintenance of this product. These instructions must be retained and be kept available for the user's reference at all times. Alterations or misuse of this product, or failure to follow instructions, may result in serious injury or death.

A Fall Protection Plan must be on file and available for review by all users. It is the responsibility of the user and the purchaser of this equipment to assure that users of this equipment are properly trained in its use, maintenance, and storage.

Training must be repeated at regular intervals. Training must not subject the trainee to fall hazards. When this equipment is in use the employer must have a rescue plan and the means at hand to implement it and communicate that plan to users, authorized persons, and rescuers.

Consult a doctor if there is reason to doubt your fitness to safely absorb the shock of a fall event. Age and fitness seriously affect a worker's ability to withstand falls. Pregnant women or minors must not use this equipment.

NOTE: For more information on American National Standards Institute see ANSI Z359

DESCRIPTION

The FallTech® roof anchors covered in this manual are designed to provide an easily mounted anchorage for persons working at height on wood structures and subject to fall hazards. For purposes of this manual, the anchors are designated as Type A, B, and C, and may be referred to as the anchor, the equipment, or the unit. See Table 1 and Figure 1-A, 1-B, and 1-C in Appendix A (henceforth, all table and figure references are to Appendix A). A list of acronyms for Fall Protection and Fall Arrest is provided in Appendix A.

Type A consists of a heavy-duty plated, forged alloy steel D-ring, mounted to plated steel base plates with pre-drilled holes. The outer rows are for nails and the countersunk center holes are for wood screws.

Type B is available in two configurations, double D-ring and single D-ring. The rings are mounted to a stainless steel base plate, with predrilled holes to accommodate stainless steel nails.

Type C consists of a pre-bent alloy steel base with pre-punched nail holes. The user bends the anchor at creased points, two large holes line up to form the attachment ring.

Type A and B anchors are ANSI Z359.1-2007 compliant and meet all applicable OSHA regulations. The Type C meets all applicable OSHA regulations.

APPLICATION

1. Purpose: Anchor Types A, B, and C are designed for use as an anchorage for a Personal Fall Arrest System (PFAS). Anchor Type A may also be utilized in restraint systems.

The Type A anchorage is for use as a temporary, reusable anchorage on the ridge or the field of wood frame roof structures.

The Type B, double and single D-ring anchor is designed to be used as a permanent anchorage connector on the roof ridge or the roof field of wood framed structures.

The Type C bent roof anchor is designed for use as a temporary single-use anchorage connector on the ridge of wood frame roof structures.

A minimum thickness of 7/16" is required for sheathing material.

1. **Personal Fall Arrest System Application:** Fall Arrest systems typically include a Full Body Harness (FBH) and a deceleration device such as a Shock Absorbing Lanyard (SAL), a Self-Retracting Device (SRD), or a Fall Arrestor Connector Subsystem (FACSS) when used with a rope grab/SAL. Maximum permissible free fall is six feet. See Figure 2.
2. **Restraint Application:** In this application, all anchors may be used as part of a complete restraint system. Such systems typically include an FBH and a lanyard in conjunction with a VLL, or restraint line used to restrain or tether the user from reaching a fall hazard (i.e. leading edge roof work). Restraints are of two types; a restraint lanyard on a manual rope grab or one equipped with a parking feature, or a short tether attached to the anchorage. No vertical free fall is permitted. See Figure 3.
3. **Application Limits:** Take action to avoid sharp edges, abrasive surfaces, and thermal, electrical and chemical hazards.

SYSTEM REQUIREMENTS

1. Capacity: The capacity of the anchors in Specifications is listed as 425 lbs. (193 kg). To maintain ANSI Z359 compliance, limit total user weight to no more than 310 lbs. (140.6 kg).

NOTE: Any use by any worker exceeding a total user weight of 310 lbs. (including tools and equipment) must utilize a PFAS designed for such weight. No more than one PFAS may be connected to one anchorage at one time.

2. Compatibility of Connectors: Connectors are considered to be compatible with connecting elements when they have been designed to work together in such a way that their sizes and shapes do not cause their gate mechanisms to inadvertently open regardless of how they become oriented. Contact FallTech if you have any questions about compatibility. Connectors must be compatible with the anchorage or other system components. Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage. Connectors must be compatible in size, shape, and strength. Self-closing, self-locking snap hooks and carabiners are required by ANSI and OSHA.

3. **Compatibility of Components:** Equipment is designed for use with approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may affect the safety and reliability of the complete system.
4. **Making Connections:** Only use self-locking snap hooks and carabiners with this equipment. Only use connectors that are suitable to each application. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Visually ensure all connectors are fully closed and locked. Connectors (snap hooks and carabiners) are designed to be used only as specified in each product's user's instructions. See Figure 4.
5. **Personal Fall Arrest System:** PFAS components used with this equipment must meet ANSI Z359 requirements and applicable OSHA requirements. A FBH must be worn when this equipment is used as a component of a PFAS. As required by OSHA, the personal fall arrest system must be able to arrest the user's fall with a maximum arresting force of 1,800 lbs., and limit the free fall to 6 feet or less. If the maximum free fall distance must be exceeded, the employer must document, based on test data, that the maximum arresting force will not be exceeded, and the personal fall arrest system will function properly.
When a free fall greater than 6 feet is possible, to a maximum of 12 feet, ANSI requires using a PFAS designed for a greater free fall.

1. **PFAS Anchorage Strength:** An anchorage selected for PFAS must have a strength able to sustain a static load applied in the direction permitted by the PFAS of at least:
 - a) Two times the maximum arrest force permitted when certification exists, or
 - b) 5,000 lbs. (22.2 kN) in the absence of certification.

6. **Restraint System:** Restraint systems are typically utilized to prevent the user from reaching a fall hazard area, and must meet OSHA regulations and ANSI standards.

1. **Restraint Anchorage Strength:** Anchorages selected for restraint, and travel restraint systems, shall have a strength able to sustain static loads applied in the directions permitted by the system of at least:
 - a) 3,000 lbs. (13.3 kN) for non-certified anchorages, or
 - b) two times the foreseeable force for certified anchorages.

7. **Definitions:** The following are definitions of terms as defined in ANSI Z359.0-2007.

1. **Authorized Person:** A person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard (otherwise referred to as "user" for the purpose of these instructions).
2. **Certified Anchorage:** An anchorage for fall arrest, positioning, restraint, or rescue systems that a qualified person certifies to be capable of supporting the potential fall forces that could be encountered during a fall or that meet the criteria for a certified anchorage prescribed in the standard.
3. **Competent Person:** One who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.
4. **Qualified Person:** A person with a recognized degree or professional certificate and with extensive knowledge, training, and experience in the fall protection and rescue field who is capable of designing, analyzing, evaluating and specifying fall protection and rescue systems to the extent required by the standard.
5. **Rescuer:** Person or persons other than the rescue subject acting to perform an assisted rescue by operation of a rescue system.

INSTALLATION AND OPERATION

Installation of anchorages must be under the supervision of a Competent Person trained in their design and use.
NOTE: Approved fall protection may be required during installation of all Anchorage units discussed in this manual.

DO NOT use any anchorage discussed in this manual until the system has been completely installed, inspected, and approved for use by a Competent Person.

1. Anchorage Location: Select a suitable anchorage point that will support the strength requirement and minimize free fall and swing hazards. See Section 3 of this manual for anchorage strength requirements. See paragraph 4.4 for additional anchorage location information.
DO NOT work above the anchorage point.
2. Fall Clearance Distance: Take action to reduce the danger of falls. Ensure sufficient clearance in the fall area to arrest the fall before striking the ground or other objects. The actual clearance required is dependent upon the type of connecting subsystem used (energy absorbing lanyard, self-retracting device, etc.). Refer to connecting subsystem manufacturer's instructions for fall clearance information.
3. Swing Fall: Swing falls occur when the anchorage point is not directly above the point where a fall occurs. The total fall distance may be greatly increased during a swing fall. The force of striking an object in a swing fall may cause serious injury. Minimize swing falls by installing anchors at least six feet from exposed roof edges and by working as directly below the anchorage point as possible. The user must be positioned within 30 degrees of the roof anchor. Move the anchor as required or install additional anchors no more than 8 feet apart. See Figure 5 and Figure 6.
4. General Installation Requirements: The Type A, B, and C Anchors are designed for roof installation on wood frame structures, on top of the sheathing. Install the anchors at least six feet from any exposed roof edge. If necessary, install additional anchors, a maximum of eight feet apart. On very small roof areas, locate the roof anchor as far from the roof edge as possible. Place at least one anchor per hip roof.
See paragraph 3.5.1. See Figures 7 and 8.

DO NOT

- mount an anchor directly onto a truss with no sheathing substrate.
- mount the anchor on unsupported roof areas such as eaves, gables and overhangs.
- use an anchor mounted downslope on the opposite side of the ridge. Install a separate anchor.
- use the anchorage until the system has been completely installed, inspected, and approved for use by a Competent Person.

NOTE: The requirement for approved fall protection during installation of this anchor applies to all anchor models covered in this manual.

5. Install the Type A Temporary Reusable Anchor for Fall Protection and Restraint: This anchor is designed as a temporary anchor, for multiple installation arrangements. The Type A may be installed, utilized then removed and reinstalled and reused at another location, on the ridge or the field, through the sheathing into a truss, or through the sheathing only. See Figure 8.

Location is determined by fastener type, nails or screws.

If the fastener choice is nails, place the anchor on the sheathing with one outside row of holes centered on the truss. Drive in five #16d x 3.5" nails on each plate, through the sheathing, into the truss. Drive in five more on the other outer row of each plate. This row will not engage the truss.

DO NOT install the Type A anchor onto the ridge or field into sheathing only with nails. All installations with nails must engage a truss.

If the choice is wood screws, place the anchor on top of the sheathing at the chosen location. Drive in six #14 flat

head wood screws in each leg. Each screw must penetrate the truss a minimum of 1-1/2"

The Type A anchor may be installed with screws onto the field or ridge through the sheathing and into the truss if the sheathing is a minimum 3/4" CDX plywood. DO NOT install the Type A anchor into sheathing only on any other substrate or onto any CDX of less than 1-1/2".

WARNING Do not re-use fasteners. If the anchor is removed and reinstalled provide new fasteners at each installation.

1. Install Type B Dual-Ring and Single-Ring Roof Anchor: Type B anchors are designed to be permanently installed and used as a fall protection anchorage on a wood frame structure. The mounting plate is shingled over and left in place, leaving the rings exposed for attachment of a PFAS. Type B anchors are not designed to be removed, reinstalled and reused.
 1. Install The Type B Dual D-Ring Roof Anchor: The Dual-Ring Type B is designed for permanent installation on the roof ridge, on top of the sheathing, over a truss. Drive in ten 16d x 3.5" stainless steel nails. See Figure 8.
 2. Install The Type B Single D-Ring Roof Anchor: The Type B Single-D Ring Roof Anchor is designed for permanent installation on a wood frame structure, just below the ridge, under the ridge cap, or on the roof field. Drive in fourteen #16d x 3.5" stainless steel nails. Use all holes. The base plate is capped and/or shingled over, leaving the D-ring exposed for attachment of a PFAS. The Type B Single D-Ring Roof Anchor is not designed to be removed, reinstalled and reused. See Figure 8.
2. Install the Type C Single-Use Roof Anchor: The Type C Single-Use Roof Anchor is designed for a single use. The Type C anchor is shipped as a pre-shaped unit. Grasp the base plates firmly and bend at the crease to bring the D-ring faces into alignment. See Figure 9. Position the base plates onto the sheathing, over the ridge, directly over a rafter or truss. Drive in eight #16d x 3.5" vinyl coated nails.
3. Connect To The Roof Anchor: Connect to the roof anchor using an approved PFAS or restraint system.

WARNING Read and follow the manufacturer's instructions for the fall protection equipment of choice.
4. After a Fall: Any equipment subjected to fall arrest forces or exhibiting damage consistent with the effect of a fall event must be removed from service immediately.
5. At Job Completion: Anchor Type A is designed as a temporary reusable anchor, to be removed and reinstalled. If nailed, pry loose the anchor. Exercise caution, do not bend or deform the base plate. Do not pull on the D-ring to detach the anchor. If attached with screws, remove the screws. The user must make any necessary roof or structural repairs that result from installation, use and de-installing the anchor.

Anchor Type B Dual and Single D-ring are designed as a permanently installed anchor, left in place, with the base plate shingled over leaving the D-ring(s) exposed for attachment of a PFAS or restraint system.

Anchor Type C is designed as a single-use anchor. At job completion, hammer the upright ring faces flat to one side and shingle over it, or remove it. The user must make any necessary roof or structural repairs that result from installation, use and de-installing the anchor.

SPECIFICATIONS

For Anchor Type Designation & Model Number, Dimensions, Description & Material, Capacity & Rated Strength, and an Anchorage Image, see Table 1 in Appendix A.

MAINTENANCE AND STORAGE

There is no regular maintenance required for this equipment.

1. Storage: When not installed, store in a clean, dry area. Avoid direct sunlight and exposure to environmental elements. Do not place other equipment or objects on top of the anchors. Do not store in a manner that would allow other equipment to bend, crack, contaminate or otherwise damage the unit.
2. Remove From Service: Remove the anchor from service if it has been subjected to fall arrest forces or fails inspection.

INSPECTION OF WOOD FRAME STRUCTURE ANCHORS

Prior to each use, the user must inspect the anchor for any physical damage, wear, corrosion or missing parts. If the anchorage has been subjected to fall arrest forces it must be removed from service.

Inspect for:

1. cracks or fractures
2. broken welds or rings
3. corrosion
4. bent plates or rings
5. a build-up of contaminants

If routine inspection reveals damage to the anchor, discontinue use and remove it from service.

To inspect permanent anchors, inspect visible portions of the installation. If exposed portions of anchors show corrosion or damage, remove it. Record inspection results on the Inspection Record found in Appendix A.

LABELS

Product labels must be present and legible.

FallTech 97431 Permanent Roof Anchor

- 1.15mm Stainless Steel Construction
- Min Break Strength = 5,000bs
- Max Capacity = 310lbs [one person = clothing, tools, etc]
- Fully Complies with all OSHA 1926 & ANSI 2050 Regulations

WARNING

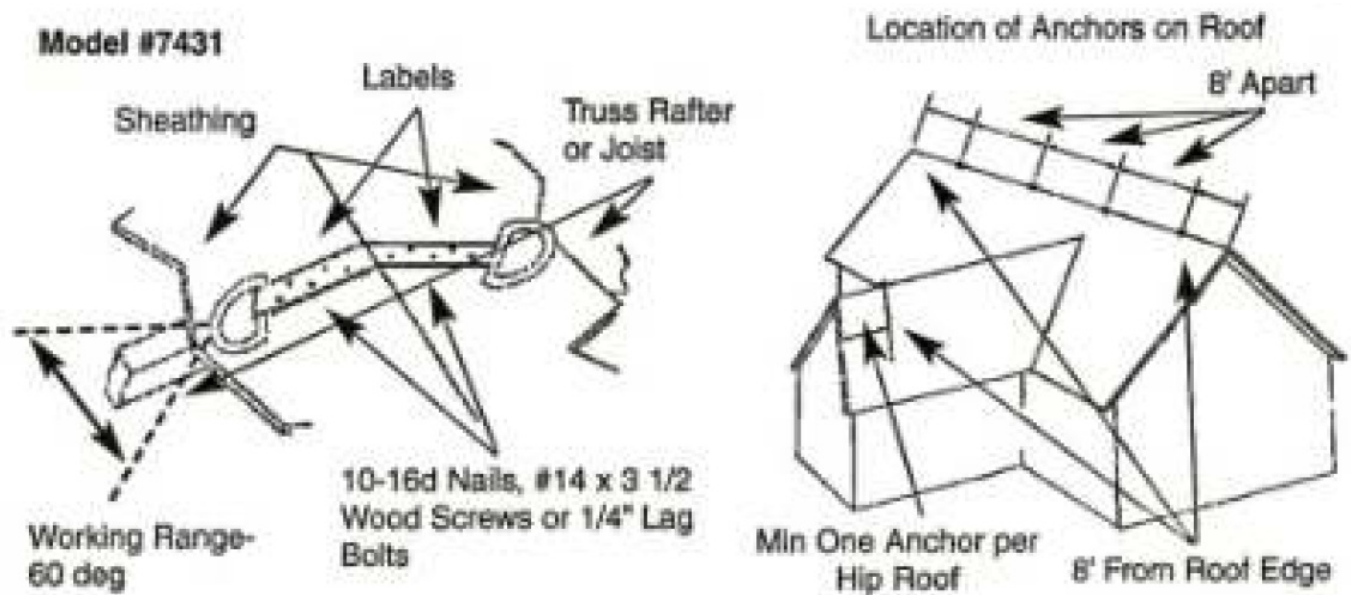
- Instructions are printed on anchor labels. result in serious injury or death.
- Read, understand and follow all manufacturer's Instructions prior to use.
- Immediately remove from service and destroy if damaged or subjected to fall arrest forces.

Additional Warnings

- Use only compatible connectors; gate opening must be 7/8" or less.
- Use only as a part of a design-compatible Personal Fall Arrest System.
- Do not use the product for any other purpose.
- Do not alter, misuse, modify or combine with incompatible components.
- Avoid contact with heavy machinery, electrical hazards, sharp edges.
- Contact manufacturer if in doubt about any of these conditions

Instructions

- Flood all warnings, instructions and inspect all equipment before use.
- Attach to roof peak with (10) 16d nails, #14 x 3 1/2" wood screws or 1/4" lag bolts driven through sheathing and into truss or structural member capable of supporting 5000.
- Attach Meline to anchor and ensure that snap hook is secure and the gate is locked. Tie-off Immediately, Make sure weine's counter-weighted.
- Ensure that no debris or material interiors with the action of the lifeline and that it is not in contact with any sharp edges.
- Ensure the rope grab travels, locks and is attachad in the correct position,
- \$7431 Permanent Root Anchor la designed to be installed beneath ridge cap with D-rings exposed



Read, understand and follow all instructions prior to using this product. Make sure Roof Anchor is in serviceable condition. Immediately remove from service if damaged or subjected to fall arrest forces. Make only compatible connections. Do not alter, misuse or combine with incompatible components. Avoid contact with machinery, electrical hazards or sharp edges. Do not attempt to repair. If inspection reveals Roof Anchor to be damaged or if Roof Anchor has been subjected to fall arrest forces (or equivalent), immediately remove from service.

This anchorage connector is intended to be installed on a wood framed structure capable of supporting 5000 lbs. Only one personal protective system may be installed per anchor. Free fall must not exceed 6 feet. Make certain adequate clear fall distance exists between working surface and next lower level. When installing, be aware of swing fall hazards. Be aware of corrosive and chemical hazards and their effects. Product not designed for permanent installation. Refer to instruction manual for proper method of connecting to this anchor, and connector compatibility. Refer to instruction manual for inspection requirements.

INSTALLATION

- 16d nails (for 20 side holes): Minimum of 10 nails driven into sheathing and truss and minimum of 10 nails driven into sheathing.
- #14 x 3.5" wood screws (for 12 center holes): Screw into sheathing or into sheathing and truss.
- Read instruction manual included with anchor for additional information on correct installation practices and anchor limitations.

FalTech #7434 Permanent Roof Anchor

- 1.75mm Stainless Steel Construction
- Min Break Strength a 5000bs
- Max Capacity = 310lbs (one person = cluthing. fools, etc)
- Fully Complies win OSHA 1926 and ANS! 2359 Regulations

WARNING

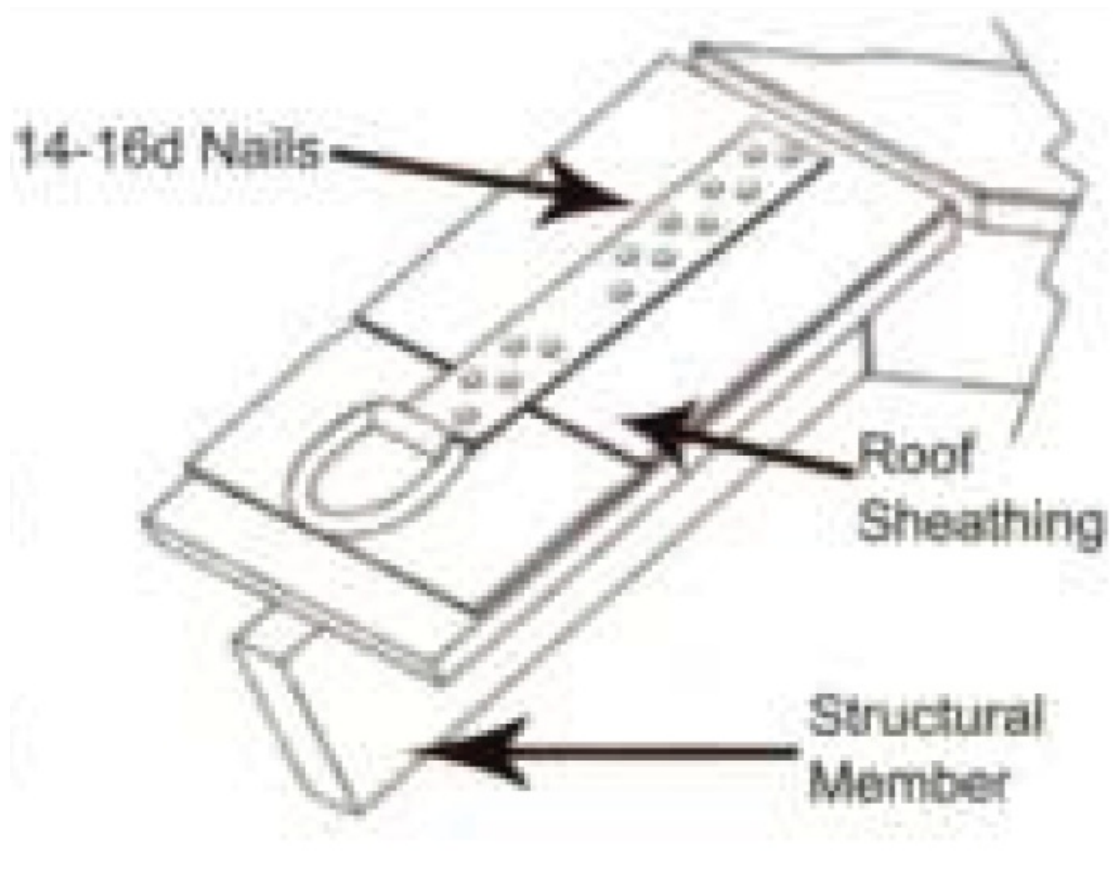
- Instactions are placed on anchor label
- Read, understand and follow all manufacturer's instructions prior to use, Failure to do so may result in serious injury or death
- Immediately remove from service and destroy d damaged or subjected to fal arrest forces

Additional Warnings

- Use only compatible connectors, gate opening must be t° or less – Use only as part of a design companies Personal Fall Arrest or Restraint System. Do not use this product for any other purpose
- Do not alter, misuse, modify or combine with incompatible components. Avoid contact with heavy machinery, lexical hazards, sharp edges. Contact manufacturer if in doubt about any of these conditions
- Do not attempt to repair. It damaged immediately remove from service
- DO NOT REMOVE LABEL.

Instructions

- Read all wamings, instructions and inspect all equipment before use. Make sure roof anchor is in serviceable condition
- Postion roof anchor such that all 14 nail holes are positioned over a framing member. FalTech recommends pre-dilling into framing member using a 1/8* diameter drill bit to avoid splitting Fully drive in 14 – 16d nails into framing member
- Connect vertical a feline to anchor and ensure snaphook is secure and gate is locked. Tie off immediately.
- Make sure lifeline is counterweighted. When installing be aware of swing fall hazards
- Make sure that no debris or material interferes with the action of the lifeline and that it is not in contact with any sharp edges
- Ensure the rope grab travels, locks and is attached in the correct manner.
- Root anchor is designed to be instaled beneath ridge cap with D-ring exposed for future use. if installing into existing residential roofing it may be necessary to remove one de two pieces of nage cap.
- Root anchor should be installed at the roof peak, and at least 6 feet from any roof edge. If more than one anchor is needed install at 8 foot intervals.
- ONLY work on the side of me roof that anchor is installed. DO NOT work on opposite side without installing additional anchor(s)
- Do not install roof anchor on saves, gable overhangs or facia board



APPENDIX A

Table 1: Specifications for Wood Frame Roof Anchors





Designation Type and Part #	Dimensions	Description and Material	Minimum Material Tensile Strength	Maximum User Capacity	Anchor
<u>Type A:</u> Temporary Reusable	<u>2 Anchor Plates:</u> 10" x 3"	<u>Anchor Plate:</u> zinc plated	Anchor Plates and D-ring:	310 lbs to comply with	
7410 for wood frame structures	(255mm x 75mm) each plate	alloy steel with nail holes and countersunk screw holes	Zinc Plated Alloy Steel	ANSI Z35 9.1 and OSHA	
with 20 pcs 16d nails	<u>D-Ring:</u> 2-1/4" (57mm)	<u>D-Ring:</u> zinc plated forged alloy steel	5,000 lbs Min Tensile Strength	425 lbs to comply with OSHA only	
<u>Type B:</u> Permanent Use	<u>Anchor Plate:</u> 12" x 1-3/8"		Anchor Plate: Stainless Steel		
Dual D-rings 7431	(280mm x 76mm) <u>D-Rings:</u>	<u>Anchor Plate:</u>	D-rings: Zinc Plated Alloy Steel	310 lbs to comply with	
7431F with nails	2-1/4" (57mm)	stainless steel with nail holes	5,000 lbs Min Tensile Strength	ANSI Z35 9.1 and OSHA	
<u>Type B:</u> Permanent Use Single D-ring 7434	<u>Anchor Plate:</u> 17" x 1-3/4" (43cm x 44mm) <u>D-Ring:</u> 2" (51mm)	<u>D-Rings</u> zinc plated forged alloy steel	Anchor Plate: Stainless Steel D-ring: Zinc Plated Alloy Steel 5,000 lbs Min Tensile Strength	425 lbs to comply with OSHA only	
<u>Type C:</u> Single Use Roof Peak Anchor 7444 with nails 7444 10 10/pack anchors with nails	<u>Connecting Hole:</u> 3/4" (19mm) <u>Nailing Surfaces:</u> 1-3/4" x 6" (44 mm x 152 mm)	Zinc Plated carbon steel with nail holes	Roof Anchor: 3,600 lbs Min Tensile Strength	310 lbs to comply with OSHA only	

Figure 1-A: Hinged Temporary Roof Anchor

A	Anchoring Plates
B	Connecting D-Ring
C	Variable-pitch Hinge
D	Screw Holes
E	Nail Holes

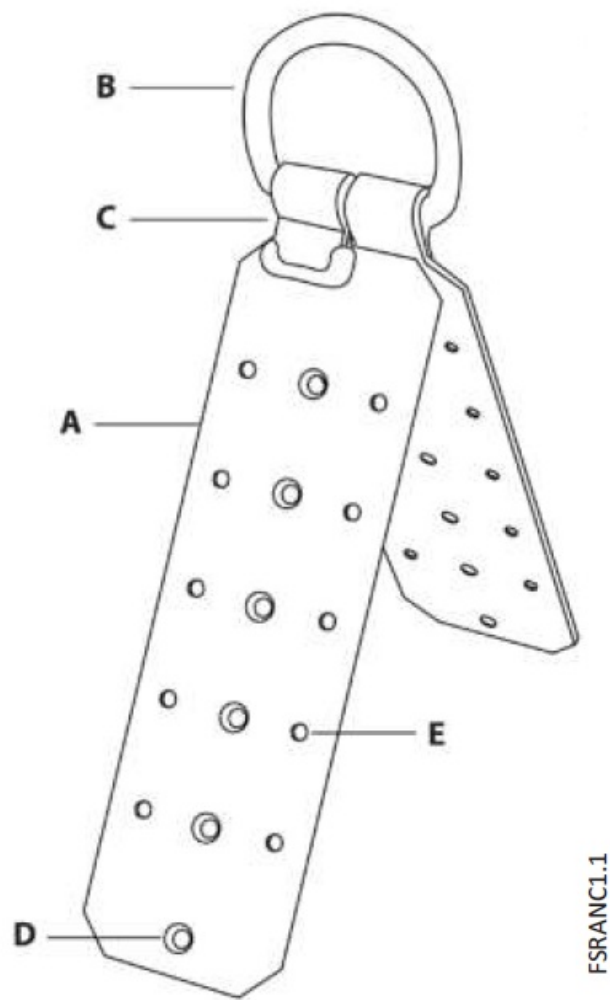


Figure 1-B: Permanent Roof Anchor

A	Stainless Steel Anchoring Plate
B	Connecting D-Rings
C	Nail Holes

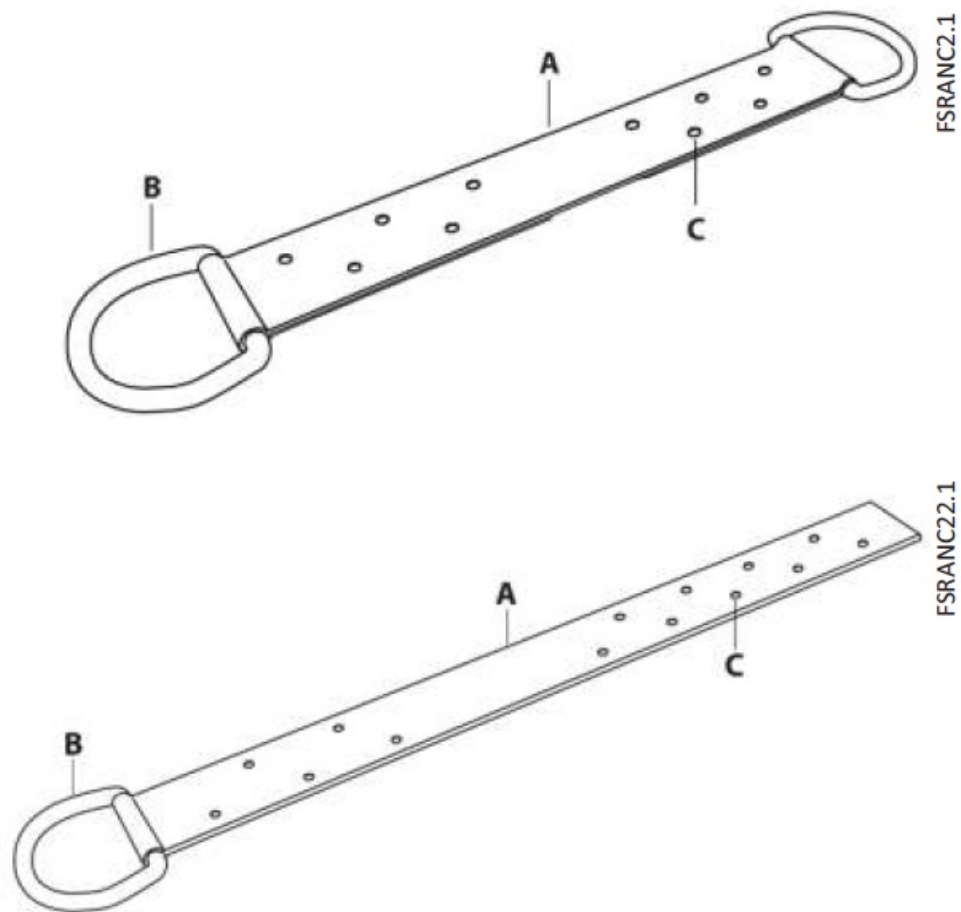
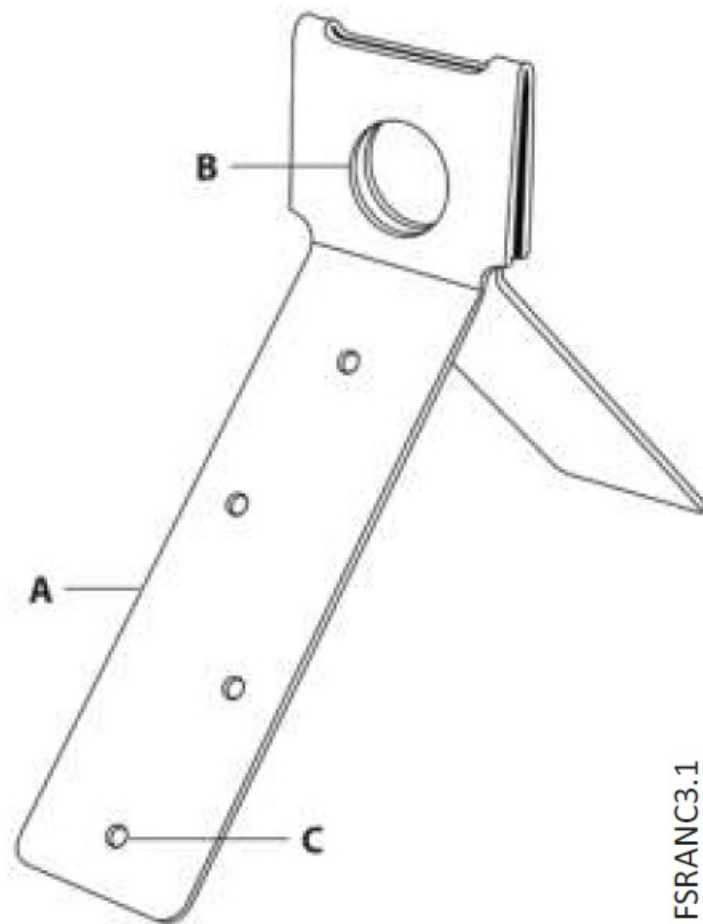


Figure 1-C: Single-Use Roof Peak

A	Nailing Plates
B	Connecting Eye-hole
C	Nail Holes



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Figure 2: Roof Anchors for Fall Arrest with VLL or SRD

A	Roof Anchor
B	Vertical Lifeline (VLL)
C	Rope Grab
	Shock Absorbing Lanyard (SAL)
D	Full Body Harness (FBH)
E	Minimum 5 lb. Counterweight
F	Self-Retracting Device (SRD)

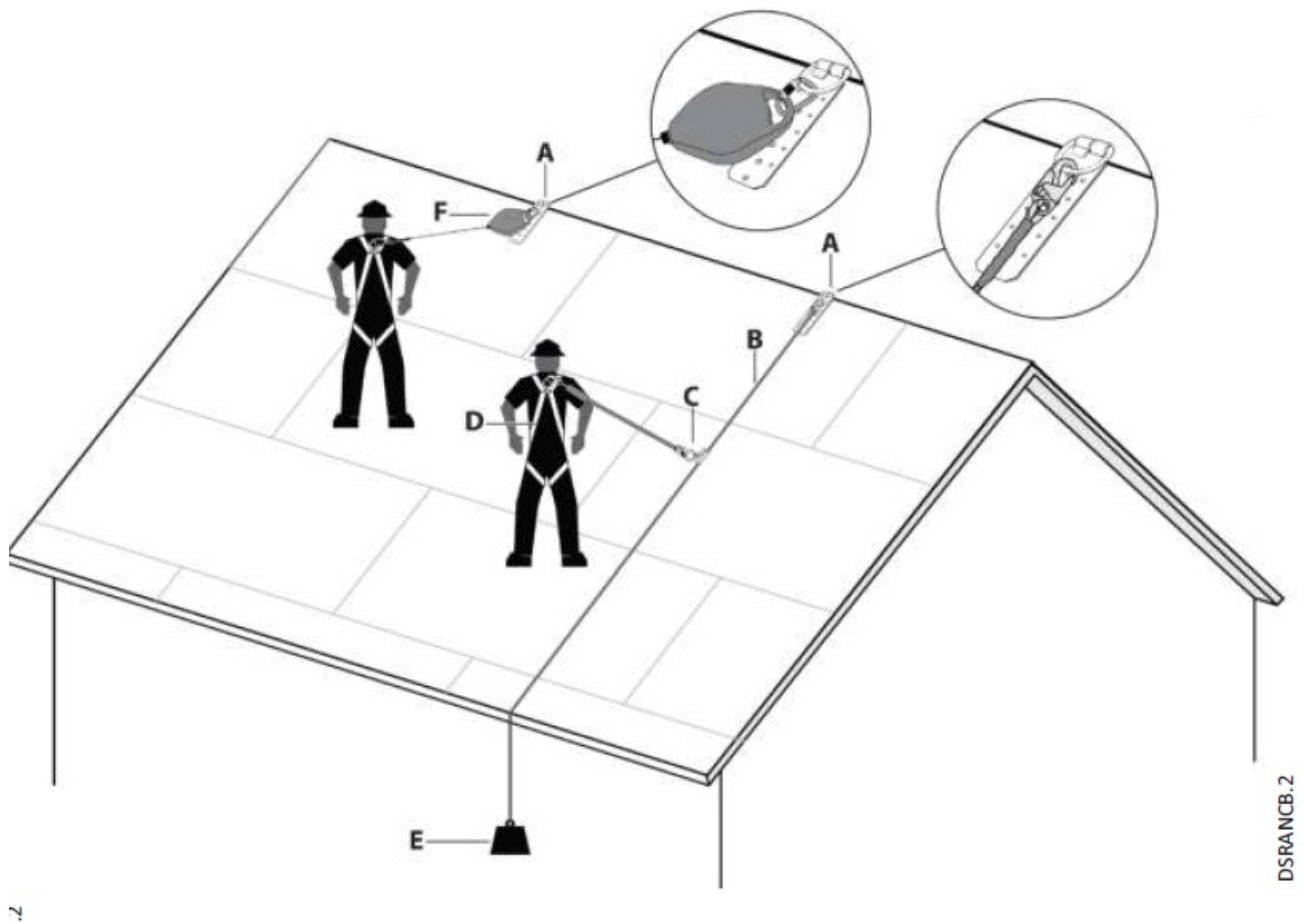


Figure 3: Roof Anchors for Restraint Applications

A	Roof Anchor
B	Vertical Lifeline (VLL)
C	Rope Grab/Rope Arrestor
D	Restraint Lanyard
E	Full Body Harness (FBH)
F	Minimum 5 lb. Counterweight

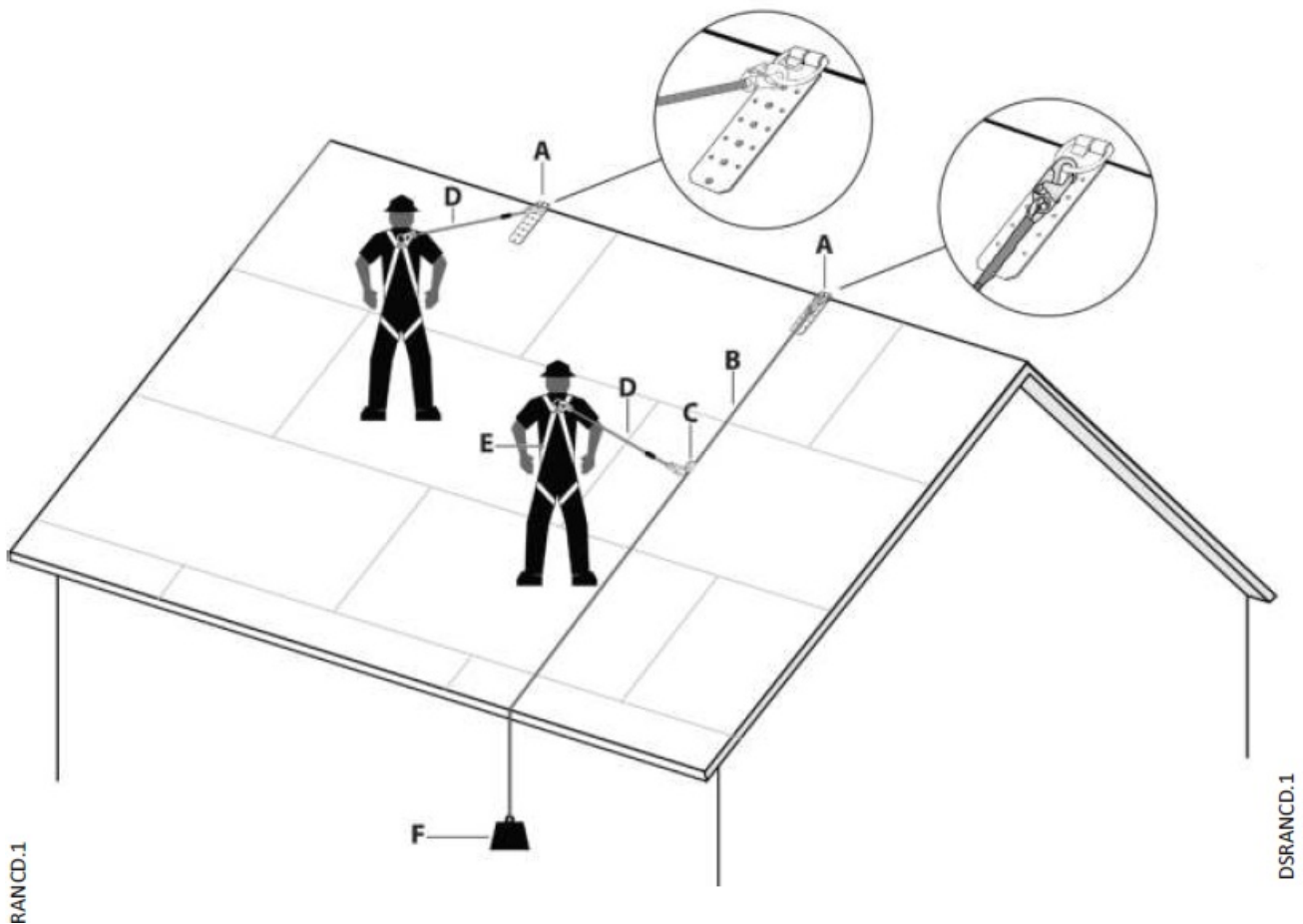


Figure 4: Incorrect Connections

A	Never connect two active components (snap hooks or carabiners) to each other.
B	Never connect two active components (snap hooks or carabiners) to a single D-ring at the same time.
C	Never connect in a way that would produce a condition of loading on the gate.
D	Never attach to a object in a manner whereby the gate (of the snap hook or carabiner) would be prevented from fully closing and locking. Always guard against false connections by visually inspecting for closure and lock.
E	Never attach explicitly to a constituent subcomponent (webbing, cable or rope) unless specifically provided for by the manufacturer's instructions for both subcomponents (snap hook or carabiner and webbing, cable or rope).
F	Never attach in a manner where an element of the connector (gate or release lever) may become caught on the anchor thereby producing additional risk of false engagement.
G	Never attach a spreader snap hook to two side/positioning D-rings in a manner whereby the D-rings will engage the gates; the gates on a spreader must always be facing away from the D-rings during work positioning.

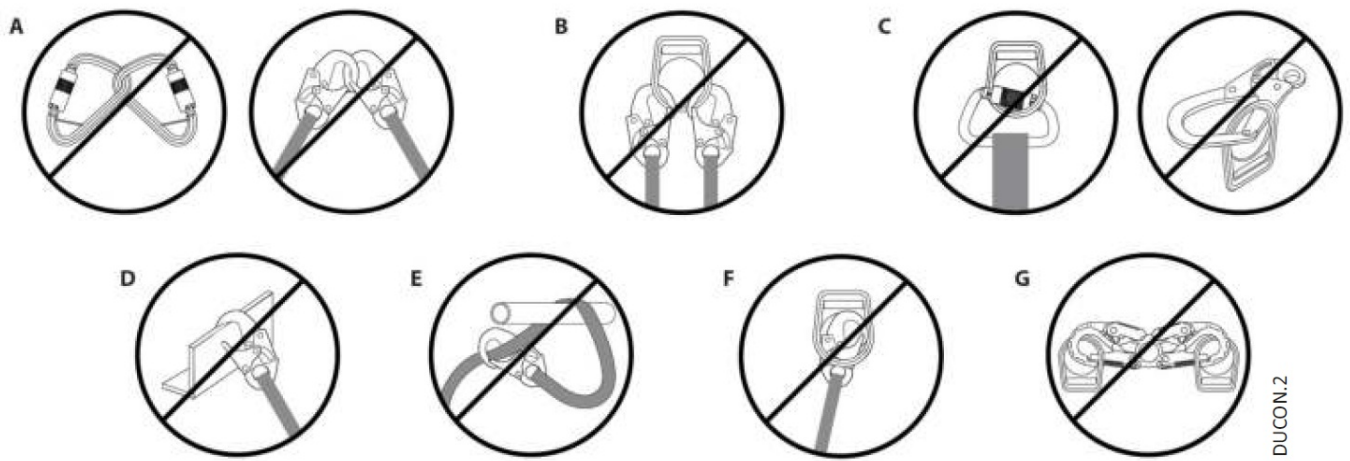


Figure 5: Typical Swing Fall Hazards from Roofs

A	From a Hip Roof into an adjoining wall
B	From a Gable Roof into a lower level obstruction

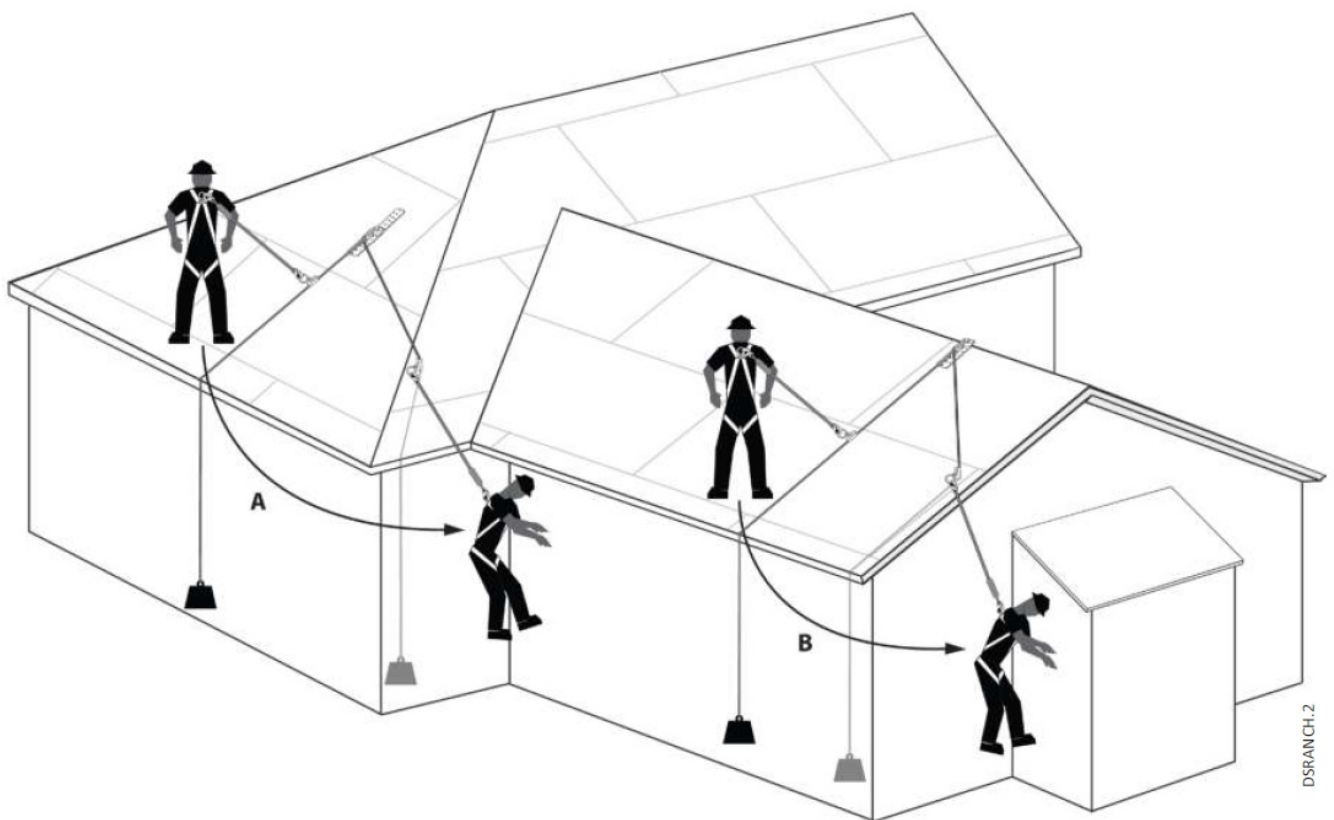
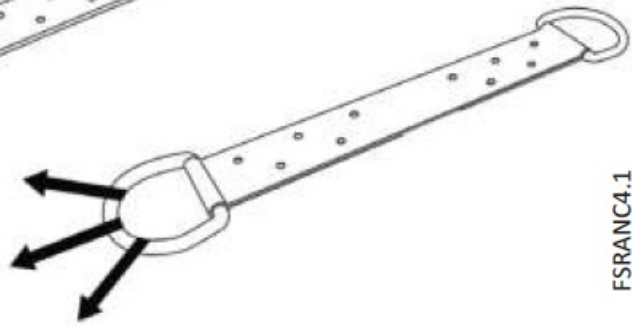
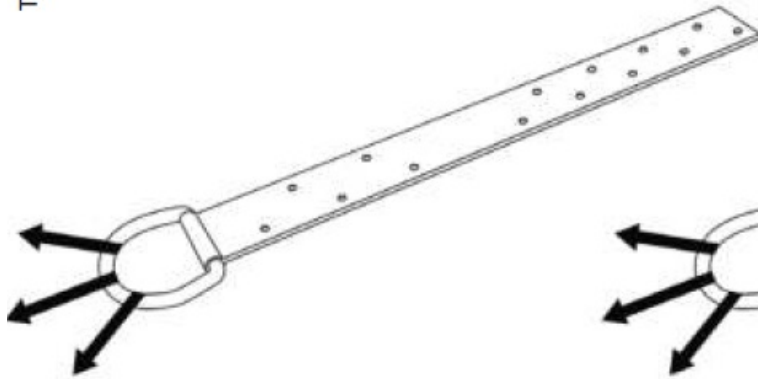
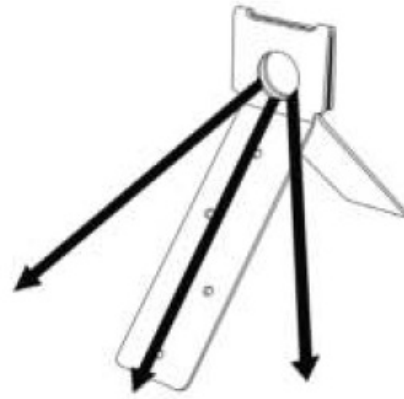
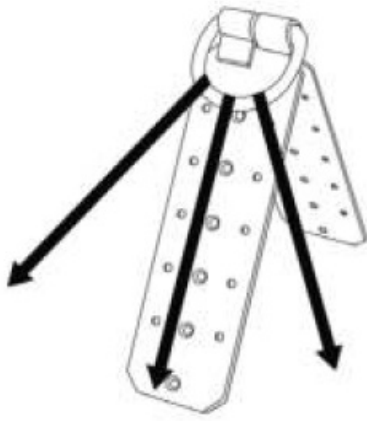


Figure 6: Suitable Load Direction on Roof Anchors

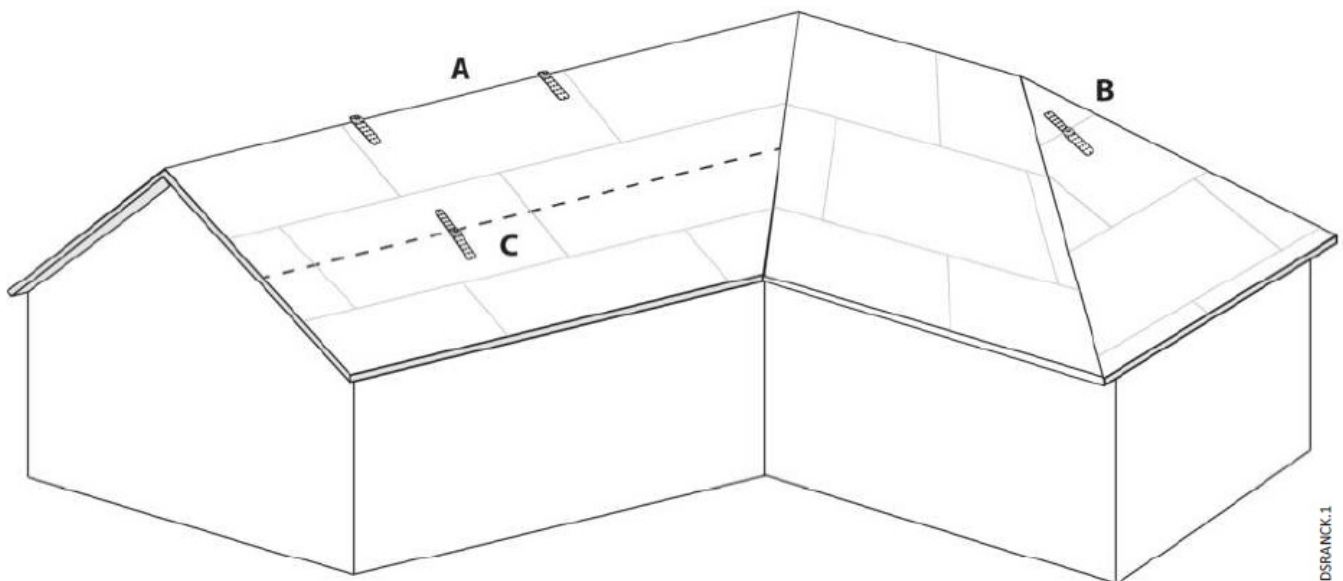
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FSRANC4.1

Figure 7: Typical Roof Site Plan for Roof Anchors

A	Roof Ridge	No more than 8' of spacing between roof anchors installed on Roof Ridges
B	Hip Face	At least one (1) roof anchor on each Hip Face
C	Roof Edge	No less than 6' from any exposed Roof Edge



DSRANC4.1

Figure 8: Roof Anchor Installation Details

		Install through Sheathing in to Truss		Install through Sheathing in to Truss	
Users must follow specific additional installation instructions defined in this manual for each roof anchor type below	Diagram Number ↓	Roof Location A. On Ridge	Roof Location B. On Field	Roof Location C. On Ridge	Roof Location D. On Field
Hinged Roof Anchor (Type A)	1	Ok	Ok	*No	*No
Single-D Roof Anchor (Type B)	2	Ok	Ok	No	No
Dual-D Roof Anchor (Type B)	3	Ok	No	No	No
Single-use Roof Peak Anchor (Type C)	4	Ok	No	No	No

***Exception:** may be installed on sheathing without fastening into truss if using a minimum 3/4" CDX Plywood substrate and Screws in all 32 holes.

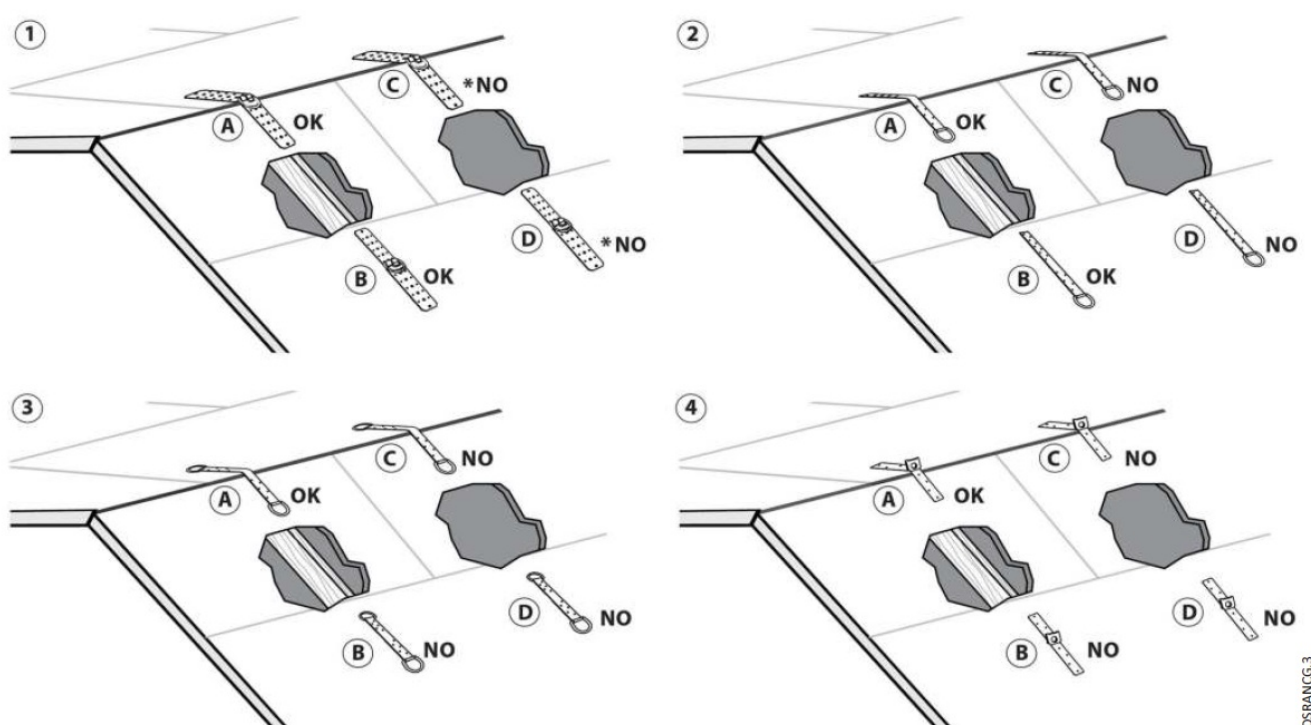
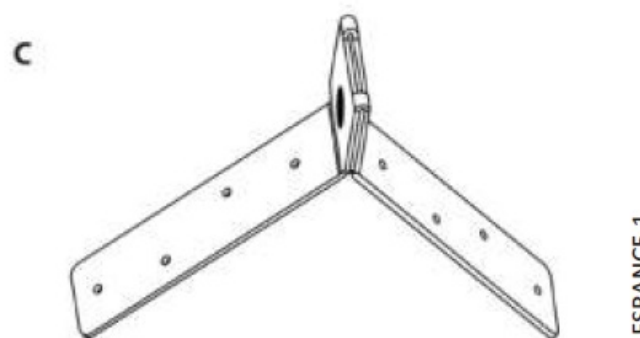
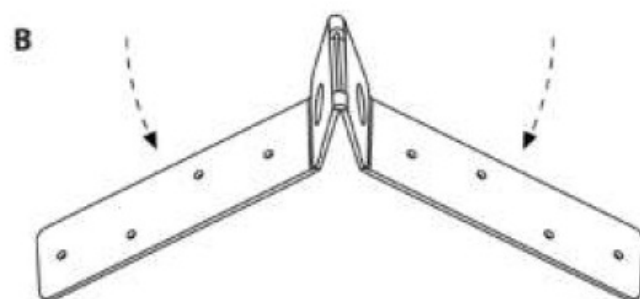
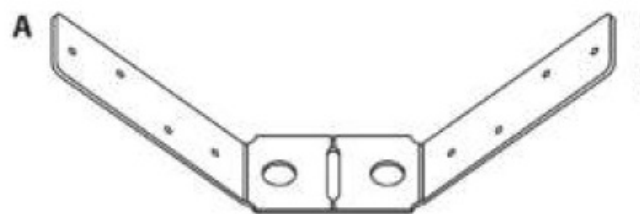


Figure 9: Preparing a Single-use Roof Peak Anchor

A	Starting Position/Shape
B	Push Nail Plates downward toward each other
C	Join both halves of Eye-hole to form one hole

Adjust anchor to roof pitch while keeping eye-hole halves joined.


Caution: Do Not Re-Bend Anchor



FSRANC5.1

Acronyms for Fall Protection and Fall Arrest; ANSI Z359.0-2012			
ACTD	Activation Distance	HLL	Horizontal Lifeline
AD	Arrest Distance	MAF	Maximum Arrest Force
CSS	Connecting Subsystem	mm	Millimeter
DD	Deceleration Distance	PFAS	Personal Fall Arrest System
DDV	Deceleration Device	PPE	Personal Protective Equipment
FACSS	Fall Arrestor Connecting Subsystem	SRD	Self-retracting Device
FAS	Fall Arrest System	TFD	Total Fall Distance
FBH	Full Body Harness	VLL	Vertical Lifeline
FF	Free Fall	VLLSS	Vertical Lifeline Subsystem
FFD	Free Fall Distance	WPS	Work Positioning System
Other Acronyms for Fall Protection and Fall Arrest			
RGLS	Rope Grab Lanyard Set	ANSI	American National Standards Institute
SAL	Shock Absorbing Lanyard	OSHA	Occupational Safety and Health Administration
cm	Centimeters	ASTM	American Society for Testing and Materials
kN	kilo-Newton	lbs	pounds (weight)
RPA	Rebar Positioning Assembly	TPA	Tower Positioning Assembly

Documents / Resources

 <p>FALLTECH MANC04 Wood Frame Structure Anchors</p> <p><small>MANC04 Wood Frame Structure Anchors are designed for use in wood frame structures. They are made of high strength steel and are designed to provide a secure anchor for fall protection equipment. They are available in two sizes, 1/2 inch and 3/4 inch, and are designed to be used in a variety of wood frame structures. They are designed to be used in a variety of wood frame structures, including residential, commercial, and industrial. They are designed to be used in a variety of wood frame structures, including residential, commercial, and industrial. They are designed to be used in a variety of wood frame structures, including residential, commercial, and industrial.</small></p>	<p>FALLTECH MANC04 Wood Frame Structure Anchors [pdf] Instruction Manual MANC04 Rev B, 072920, MANC04 Wood Frame Structure Anchors, MANC04, Wood Frame Structure Anchors, Frame Structure Anchors, Structure Anchors, Anchors</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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