



The Ultimate in Fall Protection

INSTRUCTION MANUAL

ANSI Z359.1

OSHA

This manual is intended to meet the Manufacturer's Instructions as required by ANSI Z359.1 and should be used as part of an employee training program as required by OSHA.

rooftop anchor

Standing Seam Metal Roofs

Model Number: 2100138

Figure 1 – Rooftop Anchor for Standing Seam Metal Roofs

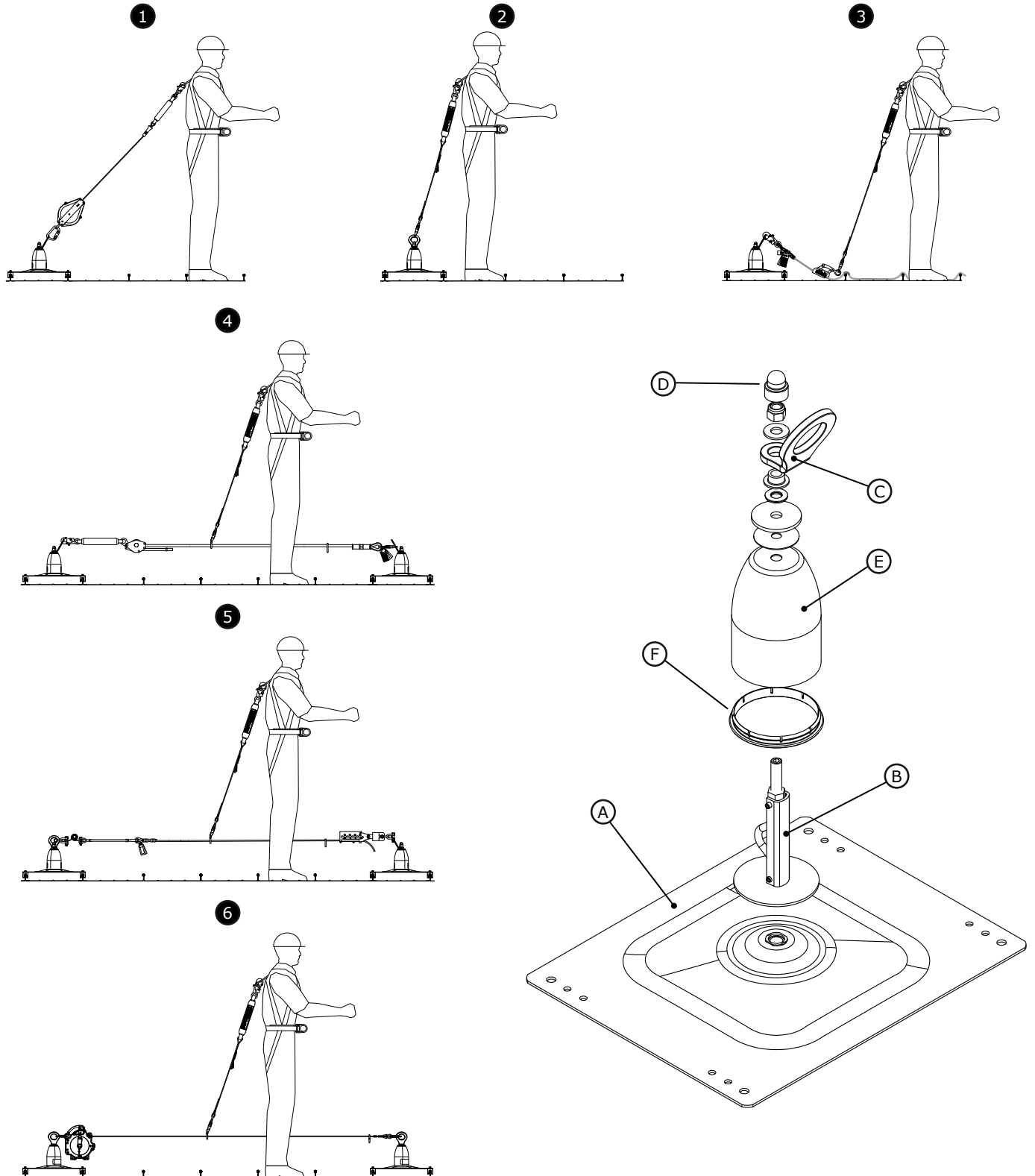
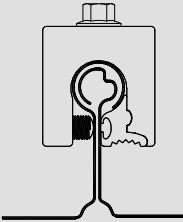
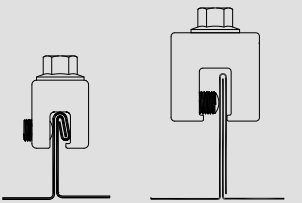
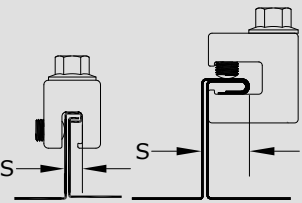
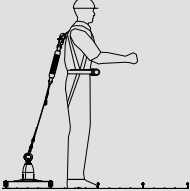
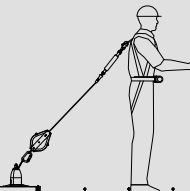
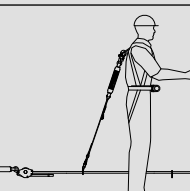
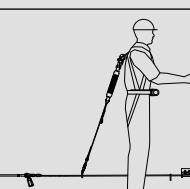
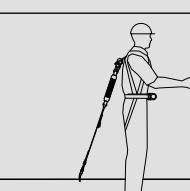


Table 1 – 2100138 Rooftop Anchor Applications and Required Seam Clamps

Required Clamps	 Bulb Type Standing Seam ¹	 Vertical Folded Standing Seams ¹	 Horizontal Folded Standing Seams ¹																		
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1 Roof Panel Requirements: See Table 2 for Standing Seam Roof Panel Requirements.

DESCRIPTION:

Figure 1 illustrates the Standing Seam Metal Roof Rooftop Anchor. The Rooftop Anchor is comprised of a Mounting Plate (A) for mounting the anchor on roof decks and a Single Anchor Point Tip Over Element (B) that manages the load transferred to the roof in the event of a fall. A Top Connector (C) is attached to the top of the anchor for connection of a Self-Retracting Lifeline (SRL), Lanyard, or Lifeline subsystem. The Top Connector rotates 360 degrees, allowing the user to walk completely around the anchor without reorienting the lanyard, or lifeline. A Nut Cap (D), Can (E), and Seal Ring (F) protect internal components from moisture and debris.

WARNING: This product is part of a personal fall arrest or fall restraint system. The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.

IMPORTANT: If you have questions on the use, care, or suitability of this equipment for your application, contact Capital Safety.

IMPORTANT: Before using this equipment, record the product identification information from the ID label in the Inspection and Maintenance Log (Table 3) at the back of this manual.

1.0 APPLICATIONS

- 1.1 PURPOSE:** The Rooftop Anchor described in this instruction manual is designed for use on Standing Seam Metal Roofs with slopes up to 3:12 pitch constructed from Roof Panels meeting the following requirements:

Table 2 – Roof Panel Requirements			
Seam Type:	Material:	Thickness:	Panel Width - Seam to Seam:
Bulb, Folded	Aluminum, Steel, Stainless Steel	22 Gauge, 24 Gauge	12 in. (300 mm), 16 in (400 mm)

Table 1 illustrates Seam Types and their required Seam Clamps¹.

The Rooftop Anchor serves as an anchorage connector for Personal Fall Arrest Systems (PFAS) and is intended for use with the following products (see Figure 1):

1. DBI-SALA or Protecta Leading Edge Rated Self-Retracting Lifelines (Figure 1-1)
2. DBI-SALA EZ-Stop™ and Force2™ Energy Absorbing Lanyards (Figure 1-2)
3. DBI-SALA or Protecta Rope Grabs or Rope Adjusters and Vertical Lifelines (Figure 1-3)
4. DBI-SALA Sayline™ Synthetic Rope Horizontal Lifeline (HLL) Systems (Figure 1-4)
5. DBI-SALA Sayline™ Wire Rope Horizontal Lifeline (HLL) Systems (Figure 1-5)
6. DBI-SALA EZ-Line™ Retractable Horizontal Lifeline (HLL) Systems (Figure 1-6)

See Table 1 for a list of the required Seam Clamps for each PFAS and Standing Seam Metal Roof type.

WARNING: Unless otherwise noted, Capital Safety equipment is designed for use with Capital Safety approved components and subsystems only. Substitution or replacement with non-approved components or subsystems may jeopardize compatibility of equipment and may affect safety and reliability of the complete system. Do not hang, lift, or support tool or equipment from the Rooftop Anchor, or attach guy lines for antennas, phone lines, etc.

- 1.2 STANDARDS:** Your Rooftop Anchor conforms to the national standard(s) identified on the front cover of this instruction manual. Refer to local, state, and federal (OSHA) requirements governing occupational safety for additional information regarding Personal Fall Arrest Systems (PFAS).
- 1.3 TRAINING:** It is the responsibility of the users and purchasers of this equipment to assure they are familiar with these instructions, trained in the correct care and use of, and are aware of the operating characteristics, application limitations, and consequences of improper use of this equipment.

CAUTION: Training must be conducted without exposing the user to a fall hazard. Training should be repeated on a periodic basis.

- 1.4 RESCUE PLAN:** When using this equipment and connecting subsystem(s), the employer must have a rescue plan and the means at hand to implement and communicate that plan to users, authorized persons², and rescuers³.
- 1.5 INSPECTION FREQUENCY:** The Rooftop Anchor shall be inspected by the user before each use and, additionally, by a competent person⁴ other than the user at intervals of no more than one year⁵. Inspection procedures are described in the "Inspection and Maintenance Log" (Table 3). Results of each Competent Person inspection should be recorded on copies of the "Inspection and Maintenance Log".
- 1.6 AFTER A FALL:** Rooftop Anchors subjected to the forces of arresting a fall must be removed from service immediately and destroyed.

- 1 Seam Clamps:** Standing Seam Metal Roof Rooftop Anchors shall only be attached to the structure with the Seam Clamps specified in Table 1. Lag Bolts, Tek Screws, Rivets, etc. do not provide sufficient strength to counteract forces generated by a fall while using the Fall Arrest System. The Tension Indicator supplied with Sayline Wire Rope HLL systems should not be used with Rooftop Anchors. Instead, visually tension the Horizontal Lifeline to allow 6 to 12 inches (15 to 30 cm) at mid-point of the HLL span.
- 2 Authorized Person:** For purposes of the Z359 standards, a person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard.
- 3 Rescuer:** Person or persons other than the rescue subject acting to perform an assisted rescue by operation of a rescue system.
- 4 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.
- 5 Inspection Frequency:** Extreme working conditions (harsh environments, prolonged use, etc.) may require increasing the frequency of competent person inspections.

2.0 REQUIREMENTS

Observe the following requirements when planning and installing the Rooftop Anchor(s) and Personal Fall Arrest System (PFAS):

2.1 ANCHORAGE STRENGTH: Anchorage selected for the Rooftop Anchor shall have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:

- **Energy Absorbing Lanyards, Self-Retracting Lifelines, or Verticle Lifelines:** 5,000 lb (22.2 kN) for non-certified anchorage or two times the maximum arrest force permitted on the system for certified anchorage¹.
- **Sayfline or EZ-Line Horizontal Lifelines:** 5,000 lbs. (22.2 kN) along the axis of the Horizontal Lifeline and 3,600 lbs. (16.0 kN) applied in all potential directions of fall arrest that perpendicular to the axis of the HLL.

FROM OSHA 1926.500 AND 1910.66: Anchorages used for attachment of Personal Fall Arrest Systems shall be independent of any anchorage being used to support or suspend platforms, and capable of supporting at least 5,000 lbs (22 kN) per user attached, or be designed, installed, and used as part of a complete Personal Fall Arrest System which maintains a safety factor of at least 2, and is under the supervision of a qualified person.

2.2 CAPACITY: The Rooftop Anchor is designed for use by one person with a combined weight (clothing, tools, etc.) of no more than 310 lbs (141 kg). Only one person (or one PFAS) shall be attached to the Top Connector on the Rooftop Anchor at any time. For Horizontal Lifeline applications, observe the HLL system capacity restrictions.

2.3 PERSONAL FALL ARREST SYSTEM: Personal Fall Arrest Systems (PFAS) incorporating a Full Body Harness must be used with the Rooftop Anchor. The PFAS must meet applicable OSHA, ANSI, state, and federal requirements and should be selected by a Competent Person². See the PFAS equipment manufacturer's product instructions for specifics regarding capabilities and requirements.

2.4 SRL LOCKING SPEED: Situations which restrict the speed of the fall should be avoided. Working in confined or cramped spaces may not allow the body to reach sufficient speed to cause the SRL to lock if a fall occurs. Working on slowly shifting material, such as sand or grain, may not allow enough speed buildup to cause the SRL to lock. A clear path is required to assure positive locking of the SRL.

2.5 FALL CLEARANCE: There must be sufficient clearance below the user to arrest a fall before the user strikes the ground or other obstruction. Fall Clearance is dependent on the following factors:

- Deceleration Distance
- Worker Height
- Elevation of Anchorage Connector
- Free Fall Distance
- Movement of Harness Attachment Element
- Connecting Subsystem Length

See the Person Fall Arrest System manufacturer's instructions for specifics regarding Fall Clearance calculation.

2.6 SWING FALLS: Swing Falls occur when the anchorage point is not directly above the point where the fall occurs (see Figure 2). The force of striking an object while swinging from the pendulum effects of a Swing Fall can cause serious injury. Swing Falls can be minimized by limiting the horizontal distance between the user and the anchorage point. In a Swing Fall, the total vertical fall distance will be greater than if the user had fallen directly below the anchorage point, thus increasing Fall Clearance required to safely arrest the user's fall. See the PFAS manufacturer's instructions for details regarding Swing Falls and Fall Clearance calculation. If a Swing Fall hazard exists in your application, contact Capital Safety before proceeding.

SRL SWING FALLS: In the event of a fall, and SRL will activate (lock up) regardless of the SRL's orientation and location relative to the user's position; however, a common guideline is not to extend the work zone beyond 30° from the anchorage point. (The Rooftop Anchor swivels allowing a 30° work area on all sides of the Rooftop Anchor.

Figure 2 – Swing Falls

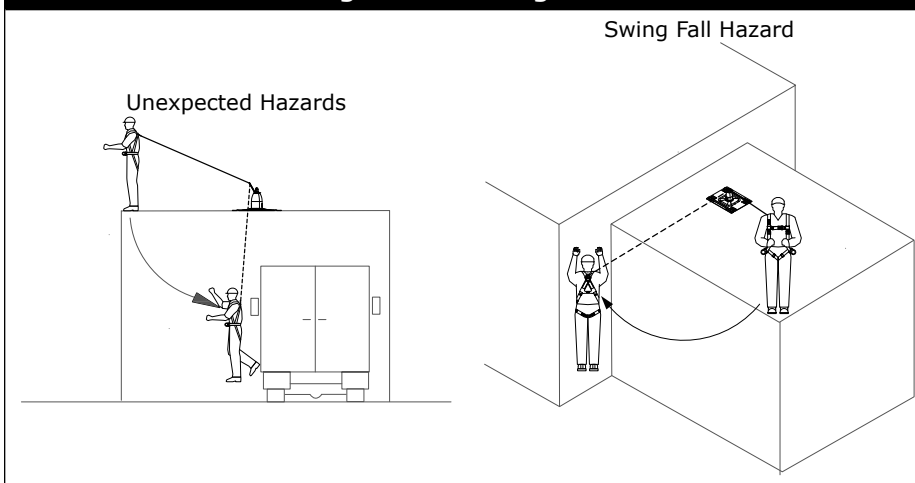
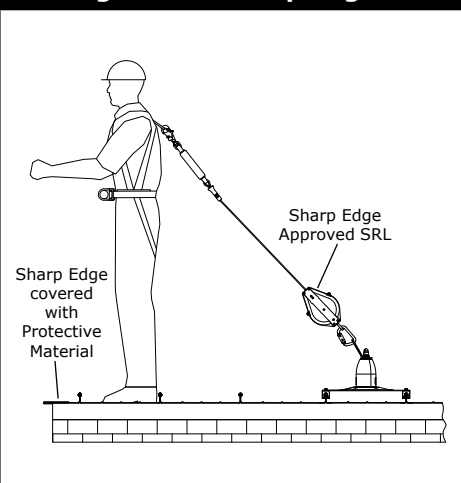


Figure 3 – Sharp Edges



1 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 ANSI Z359 standards.

2 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.

- 2.7 SHARP EDGES:** Avoid working where Lifeline or Lanyard components of the Personal Fall Arrest System (PFAS) can contact or abrade against unprotected sharp edges (see Figure 3). Where contact with a sharp edge is unavoidable, use fall arrest equipment that is approved for sharp edge applications or cover the edge with protective material.
- 2.8 ENVIRONMENTAL HAZARDS:** Use of this equipment in areas with environmental hazards may require additional precautions to prevent injury to the user or damage to the equipment. Hazards may include, but are not limited to; heat, chemicals, corrosive environments, high voltage power lines, explosive or toxic gases, moving machinery, and sharp edges.
- 2.9 COMPONENT COMPATIBILITY:** Capital Safety equipment is designed for use with Capital Safety approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may effect the safety and reliability of the complete system.

IMPORTANT: Equipment substitutions require written consent from Capital Safety.

- 2.10 CONNECTOR COMPATIBILITY:** 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 Capital Safety if you have any questions about compatibility.

Connectors (hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs. (22.2 kN). 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 (see Figure 4). Connectors must be compatible in size, shape, and strength. Self-locking snap hooks and carabiners are required by ANSI Z359 and OSHA.

- 2.11 MAKING CONNECTIONS:** Snap hooks and carabiners used with this equipment must be self-locking. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Ensure all connectors are fully closed and locked.

Capital Safety connectors (snap hooks and carabiners) are designed to be used only as specified in each product's user's instructions. See Figure 5 for examples of inappropriate connections. Do not connect snap hooks and carabiners:

- A. To a D-ring to which another connector is attached.
- B. In a manner that would result in a load on the gate.

NOTE: Large throat snap hooks should not be connected to standard size D-rings or similar objects which will result in a load on the gate if the hook or D-ring twists or rotates, unless the snap hook complies is equipped with a 3,600 lb (16 kN) gate. Check the marking on your snap hook to verify that it is appropriate for your application.

- C. In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor, and without visual confirmation seems to be fully engaged to the anchor point.
- D. To each other.
- E. Directly to webbing or rope lanyard or tie-back (unless the manufacturer's instructions for both the lanyard and connector specifically allows such a connection).
- F. To any object which is shaped or dimensioned such that the snap hook or carabiner will not close and lock, or that roll-out could occur.
- G. In a manner that does not allow the connector to align properly while under load.

Figure 4 – Unintentional Disengagement

If the connecting element to which a snap hook (shown) or carabiner attaches is undersized or irregular in shape, a situation could occur where the connecting element applies a force to the gate of the snap hook or carabiner. This force may cause the gate (of either a self-locking or a non-locking snap hook) to open, allowing the snap hook or carabiner to disengage from the connecting point.

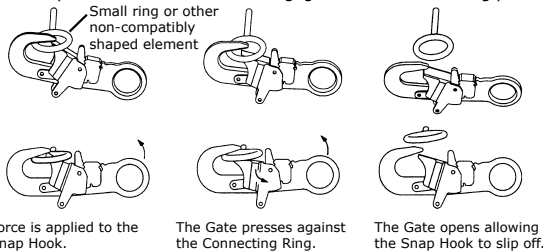
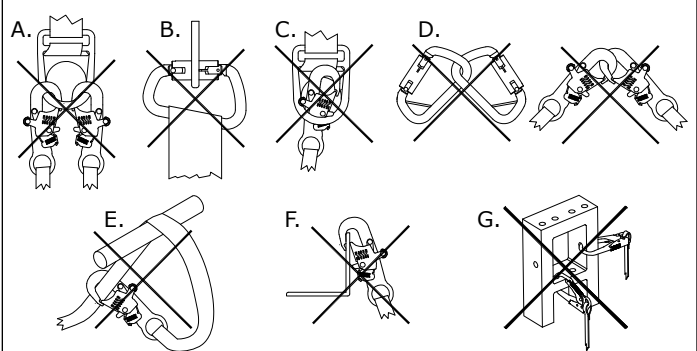


Figure 5 – Inappropriate Connections



3.0 INSTALLATION & USE

IMPORTANT: Do not alter or intentionally misuse this equipment. Consult Capital Safety when installing or using this equipment in combination with components or subsystems other than those described in this manual. Some subsystems and component combinations may interfere with the operation of this equipment.

3.1 SITE PLAN: Prior to roof construction, a site plan should be established which defines where the Rooftop Anchors will be installed (see Figure 6) and how they may be used. In addition to the requirements defined in Section 2, the site plan should take into account the following considerations:

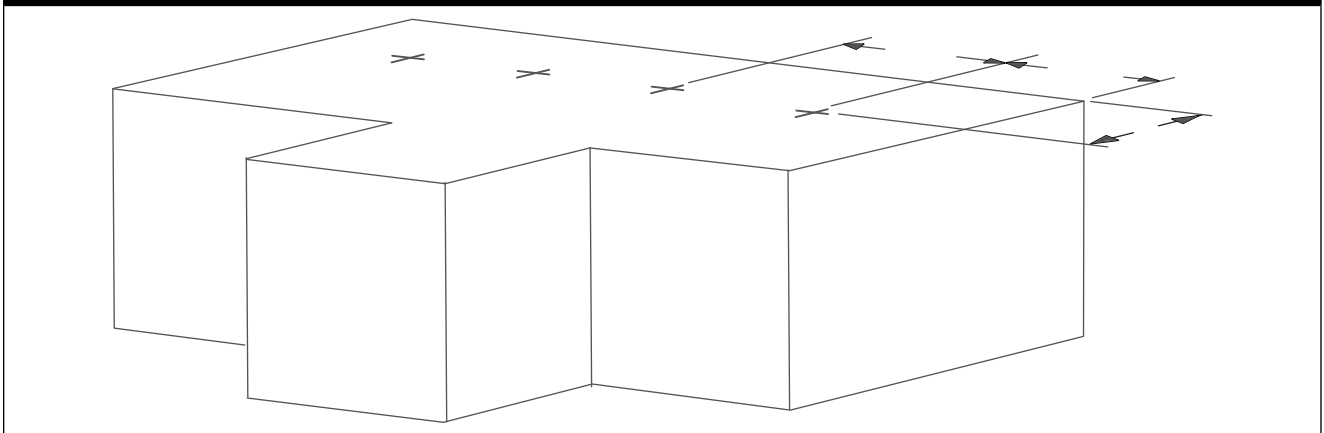
- **Structure:** Structure on which the Rooftop Anchor is installed must meet or exceed the 'Anchorage Strength' requirement stated in Section 2.
- **Fall Protection System:** The Standing Seam Rooftop Anchor has been tested for use in the Fall Protection Systems illustrated in Table 1. Depending on location of the Rooftop Anchor(s) on the roof deck, the Fall Protection System is used in a Restraint¹ or Fall Arrest² application. For Restraint applications, the Rooftop Anchor(s) must be located on the roof deck where they prevent the user from reaching any fall hazard (roof edge, access doorway, etc.).

TIP-OVER LOAD: The Rooftop Anchor can sustain loads to approximately 674 - 719 lbs (3.0 - 3.2 kN) before it starts to deploy (tip over). In Restraint applications significant force applied to the Rooftop Anchor may cause tip-over without an actual fall; in which case, the Rooftop Anchor must be removed from service and replaced.

- **Roof Type:** The Standing Seam Rooftop Anchor shall only be mounted on flat roofs or sloped roofs not exceeding 3:12 pitch. Roof Panels must meet the criteria listed in Table 2.
- **Seam Clamps:** Rooftop Anchors shall only be attached to the roof deck with the Seam Clamps defined in Table 1 for your fall protection system and roof type.
- **Anchor Position:** The Rooftop Anchor must only be used in an upright position relative to the angle of the roof.
- **Roof Support:** Do not install the Rooftop Anchor on unsupported roof structures such as overhangs.

IMPORTANT: Use of the Rooftop Anchor with fall protection systems, roof types, or fasteners other than defined in Table 3 must be approved by Capital Safety.

Figure 6 – Roof Anchor Site Plan - Anchor Locations



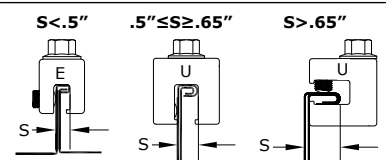
3.2 INSTALLATION: The Rooftop Anchor is designed for use on Standing Seam Metal Roofs meeting the requirements defined in Table 1. Supported Personal Fall Arrest Systems (PFAS) and required Seam Clamps for securing the Rooftop Anchor to the metal roof are also defined in Table 1.

IMPORTANT: Use of PFAS or fasteners other than recommended in Table 1 must be approved by Capital Safety.

Figure 7 illustrates installation of the Rooftop Anchor on a Standing Seam Metal Roof. Inspect Rooftop Anchors prior to installation (see Table 3) and install all anchors in accordance with an approved Site Plan (see Section 3.1). To install the Rooftop Anchor:

1. Install the required Seam Clamps (Table 1) on each corner of the Rooftop Anchor Mounting Plate:

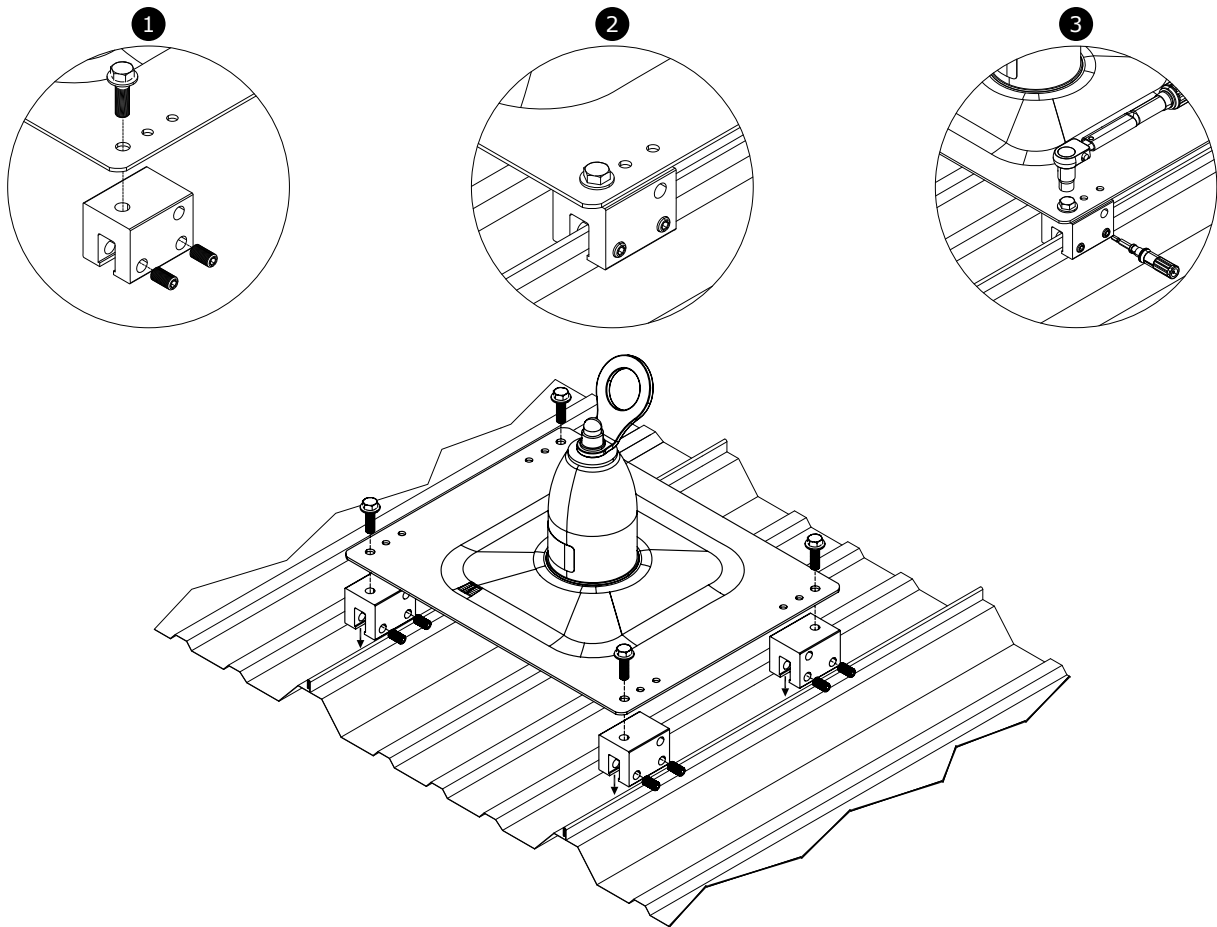
HORIZONTAL SEAMS: Installation on Horizontal Seams narrower than 0.5 in. (12.7 mm) requires "E" Seam Clamps in a vertical orientation. Installation on Horizontal Seams 0.5 in (12.7 mm) to 0.65 in (16.5 mm) wide requires "U" Seam Clamps in a vertical orientation. Installation of the "U" Seam Clamps horizontally with the Setscrew(s) accessible from the top for tightening. When installing Seam Clamps horizontally, the Seam Clamps should be positioned properly on the roof seams (Step 2) and the Setscrews tightened to their required torque values (Step 3) before securing the Seam Clamps to the Rooftop Anchor Mounting Plate (Step 1).



1 Restraint: The technique of securing an authorized person to an anchorage using a lanyard/lifeline short enough to prevent the person's center of gravity from reaching the fall hazard.

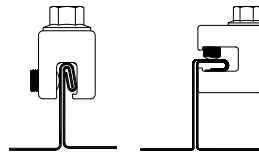
2 Fall Arrest: The action or event of stopping a free fall or the instant where the downward free fall has been stopped.

Figure 7 – Rooftop Anchor Installation

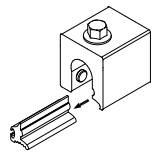


- A. Remove the Mounting Bolt from the Seam Clamp and reposition the Setscrews in the proper holes if necessary.

SETSCREWS: On Folded Standing Seams, the Seam Clamp Setscrews should be positioned opposite the open (overlap) side of the seam. On Horizontal Seams wider than 0.65 in. (16.5 mm), the Seam Clamp Setscrews should be accessible from the top of the clamp.

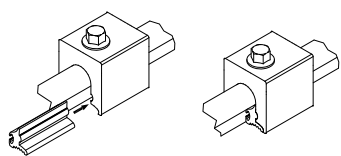


"Z" SEAM CLAMPS: The "Z" Seam Clamps used on Bulb Type Standing Seams include an Insert Shim. The Insert Shim should be removed prior to installation of the Clamp on the Bulb Type Standing Seam.



- B. Position the Seam Clamp on the bottom of the Mounting Plate so the mounting hole on the Seam Clamp aligns with the largest hole in the corner of the Mounting Plate.
- C. Thread the Mounting Bolt through the hole in the Mounting Plate and into the mounting hole on the Seam Clamp.
2. Position the Seam Clamps on two adjacent Roof Seams so the Rooftop Anchor is located at the position indicated on the Site Plan (Figure 6).

"Z" SEAM CLAMPS: When "Z" Seam Clamps are used to secure the Rooftop Anchor to Bulb Type Standing Seams, slide the Insert Shims between seam and the Seam Clamp until the Insert Shim aligns with the body of the Seam Clamp.



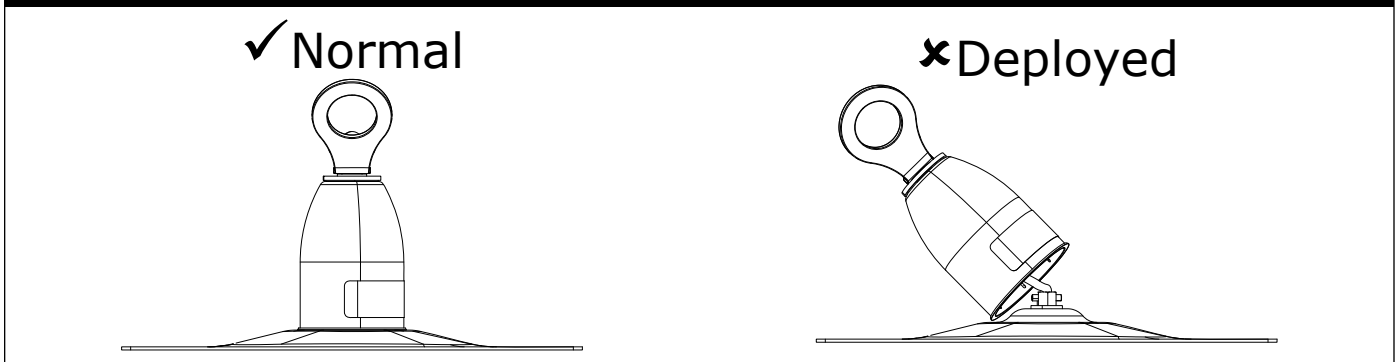
3. Tighten all Mounting Plates and Setscrews to the torque values specified in Table 1. A 3/16" Allen Bit is provided with each Seam Clamp for tightening the Setscrews. For accurate torque values, the manufacturer recommends using a Dial-Calibrated Torque Wrench (rather than a Clicking Torque Wrench).

3.3 USE: Table 1 lists and illustrates the Personal Fall Arrest Systems (PFAS) approved for use with the Rooftop Standing Seam Metal Roof Anchor. Refer to the instructions included with your PFAS equipment for details regarding use.

In the event of a fall, Internal Supports inside the anchor Can break away allowing the Tip Over Element to bend. Figure 8 illustrates a deployed Rooftop Anchor. Once deployed, the Roof Anchor reduces the moment load on the roof so the anchor remains safely attached to the roof.

IMPORTANT: If the Rooftop Anchor is exposed to fall forces and deploys, remove it from service immediately and replace. Do not attempt to repair the Rooftop Anchor. Inspect the roof for signs of damage or structural weakening before installing the new anchor.

Figure 8 – Rooftop Anchor Deployment



4.0 INSPECTION

- 4.1 INSPECTION FREQUENCY:** The Rooftop Anchor must be inspected at the intervals defined in Section 1. Inspection procedures are described in the "Inspection and Maintenance Log" (Table 3). Inspect all other components of the Fall Protection System per the frequencies and procedures defined in the manufacturer's instructions.
- 4.2 DEFECTS:** If inspection reveals an unsafe or defective condition, remove the Rooftop Anchor from service immediately and replace. Do not attempt to repair the Rooftop Anchor.
- 4.3 PRODUCT LIFE:** The functional life of the Rooftop Anchor is determined by work conditions and maintenance. As long as the product passes inspection criteria, it may remain in service.

5.0 MAINTENANCE, SERVICING, STORAGE

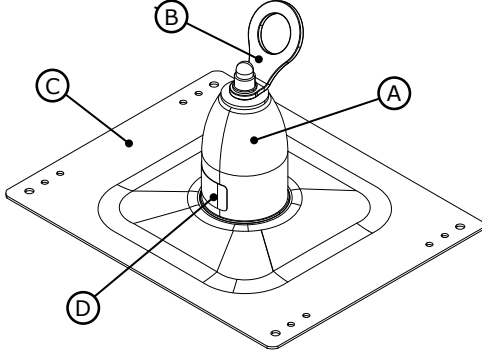
- 5.1 CLEANING:** Periodically clean The Rooftop Anchor with a soft brush, warm water, and a mild soap solution. Ensure parts are thoroughly rinsed with clean water.

IMPORTANT: Although highly resistant to chemicals and environmental conditions, avoid contaminating the Rooftop Anchor with acids, bitumen, cement, paint, cleaning fluids, etc. If the Rooftop Anchor contacts acids or other caustic chemicals, remove from service and wash with water and a mild soap solution. Inspect per Table 3 before returning to service.

- 5.2 SERVICE:** The Rooftop Anchor is not repairable. If the anchor has been subject to fall force or inspection reveals an unsafe or defective conditions, remove the anchor from service and replace with another Rooftop Anchor.

IMPORTANT: Only Capital Safety or parties authorized in writing may make repairs to this equipment.

6.0 SPECIFICATIONS & LABELING

	Component	Materials	Weight
	(A) Can	Steel, Powder Coated	0.66 lbs (0.3 kg)
	(B) Eye	Stainless Steel	1.0 lbs (0.46 kg)
	(C) Mounting Plate	Steel, Powder Coated	8.1 lbs (3.69 kg)

Max. Allowable Fall Arrest Load: 1,800 lbs (8 kN)

Max. Allowable HLL System Load: 2,500 lbs (11.1 kN)

(D)



rooftop anchor

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OSHA Compliant
ANSI Z 359.1

Mst. Carbon Steel, Aluminium,
Stainless Steel

RDA

MAX 310lbs
(141kg)

DBI SALA

WARNING | AVERTISSEMENT | ATENCIÓN | ADVERTÊNCIA

Manufacturer's instructions must be read and understood prior to use. Instructions supplied with this product at time of shipment must be followed for proper use, maintenance and inspection. Alteration or misuse of this product, or failure to follow instructions may result in serious injury or death. Make only compatible connections. Do not remove this label.

On doit observer les instructions du fabricant fournies avec ce produit au moment de l'expédition, pour bien l'utiliser, l'entretenir et l'inspecter. Une modification ou un usage abusif de ce produit, ou le fait de négliger d'observer les instructions peut entraîner des blessures graves, voire mortelles. Effectuer seulement des fixations compatibles. Ne pas enlever cette étiquette.

Deben leerse y entenderse las instrucciones del fabricante antes de utilizar el producto. Las instrucciones del fabricante suministradas con este producto en el momento del envío deben respetarse para un uso, mantenimiento e inspección correctos. Si se altera o se hace un uso indebido de este producto, no se siguen las instrucciones, se pueden producir heridas graves o incluso la muerte. Realice únicamente conexiones compatibles. No retire esta etiqueta.

As instruções do fabricante devem ser lidas e compreendidas antes do uso deste aparelho. As instruções fornecidas com o produto devem ser usadas para seu uso, manutenção e inspeção corretos. Alteração ou uso inadequado do produto, assim como o uso em desacordo com as instruções pode resultar em sérios ferimentos ou morte. Faça somente conexões compatíveis. Não remova esta etiqueta.

Dimensions:

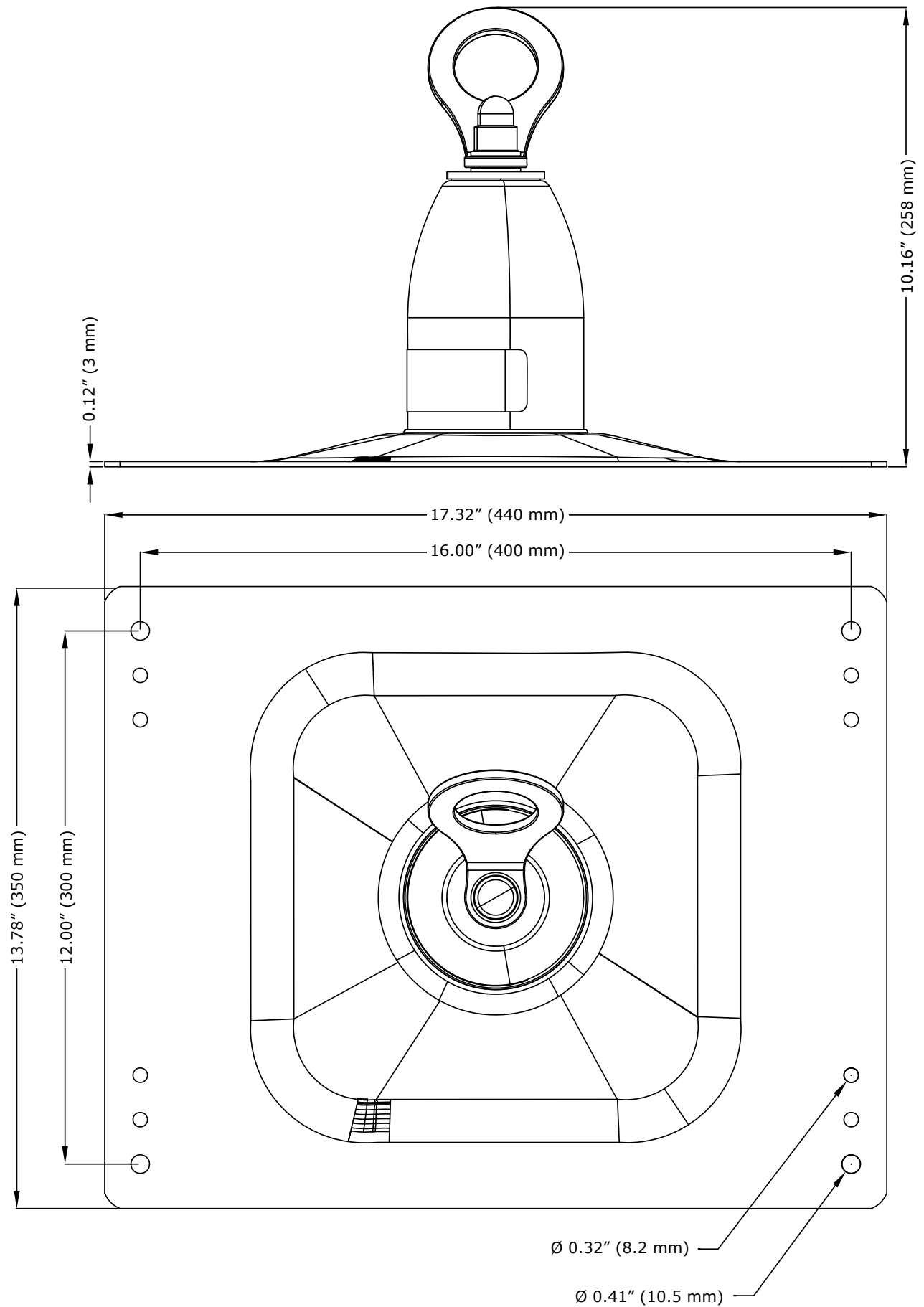


Table 3 – Inspection and Maintenance Log

[illegible]

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Warranty to End User: D B Industries, Inc., dba CAPITAL SAFETY USA ("CAPITAL SAFETY") warrants to the original end user ("End User") that its products are free from defects in materials and workmanship under normal use and service. This warranty extends for the lifetime of the product from the date the product is purchased by the End User, in new and unused condition, from a CAPITAL SAFETY authorized distributor. CAPITAL SAFETY'S entire liability to End User and End User's exclusive remedy under this warranty is limited to the repair or replacement in kind of any defective product within its lifetime (as CAPITAL SAFETY in its sole discretion determines and deems appropriate). No oral or written information or advice given by CAPITAL SAFETY, its distributors, directors, officers, agents or employees shall create any different or additional warranties or in any way increase the scope of this warranty. CAPITAL SAFETY will not accept liability for defects that are the result of product abuse, misuse, alteration or modification, or for defects that are due to a failure to install, maintain, or use the product in accordance with the manufacturer's instructions.

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