



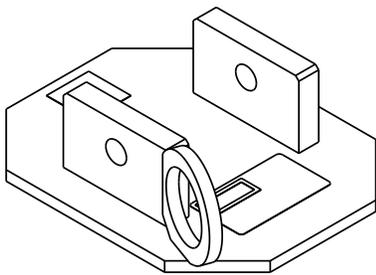
The Ultimate in Fall Protection

UNI ANCHOR PLATE with TIE DOWN

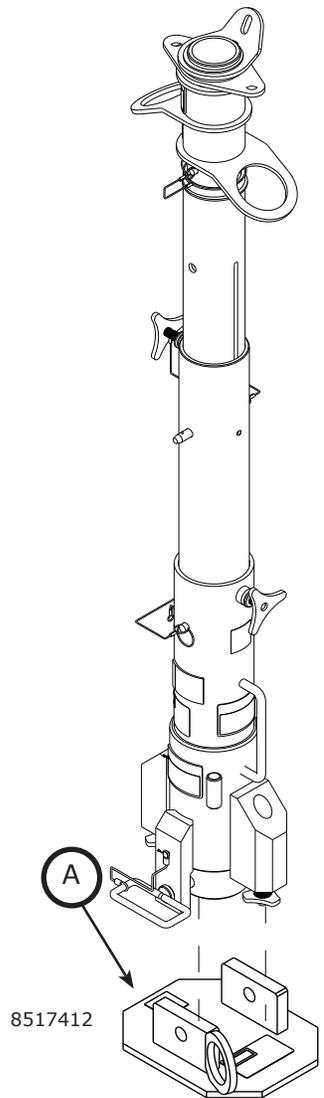
Model Number: 8517412

INSTRUCTION MANUAL
ANSI Z359.1
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

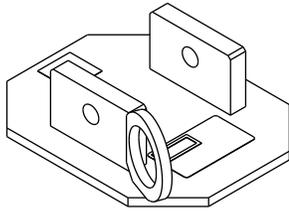
Figure 1 – 8517412



8517412



2. SPECIFICATIONS:



MODEL 8517412 DESCRIPTION:

The DBI-SALA Bolt Down Uni Anchor Plate is designed to be permanently welded to the structure in locations of frequent work, or where the use of a portable base is impractical.



THIS MOUNT PLATE IS ONLY COMPATIBLE WITH CAPITAL SAFETY SYSTEMS PORTABLE FALL ARREST MASTS AND ACCESSORIES.

GENERAL SPECIFICATIONS:	APPLICATION RESTRICTIONS
PROOF LOAD MOMENT:	190,000 in-lbs (20.8 kN-m)
ANCHOR EYE PROOF LOAD	5000 lbs (22.2 kN)
WEIGHT:	11.8 lbs (5.3 kg)

MATERIALS & CONSTRUCTION:

General Construction	Welded Steel
Material	H.R. Plate & Bar
Finish	Bar Steel
Plating Specification	None

- This Plate is designed for use with all Capital Safety Systems portable fall arrest masts and accessories **only**.
- Ratings, capacities and design factors may vary with system components & configurations. Consult specification sheets for all system components before use to ensure compliance with installation requirements.
- Mounting surface **MUST BE** within 15° of horizontal for Model 8516691 and 15° of horizontal for Model 8516696. The anchor plate must also be installed so that the portable fall arrest mast can be leveled for use.
- Welding procedure **MUST BE** approved by qualified personnel to be compatible with any and all structural & operational characteristics of selected installation location.

Figure 2 – Anchor Plate Dimensions

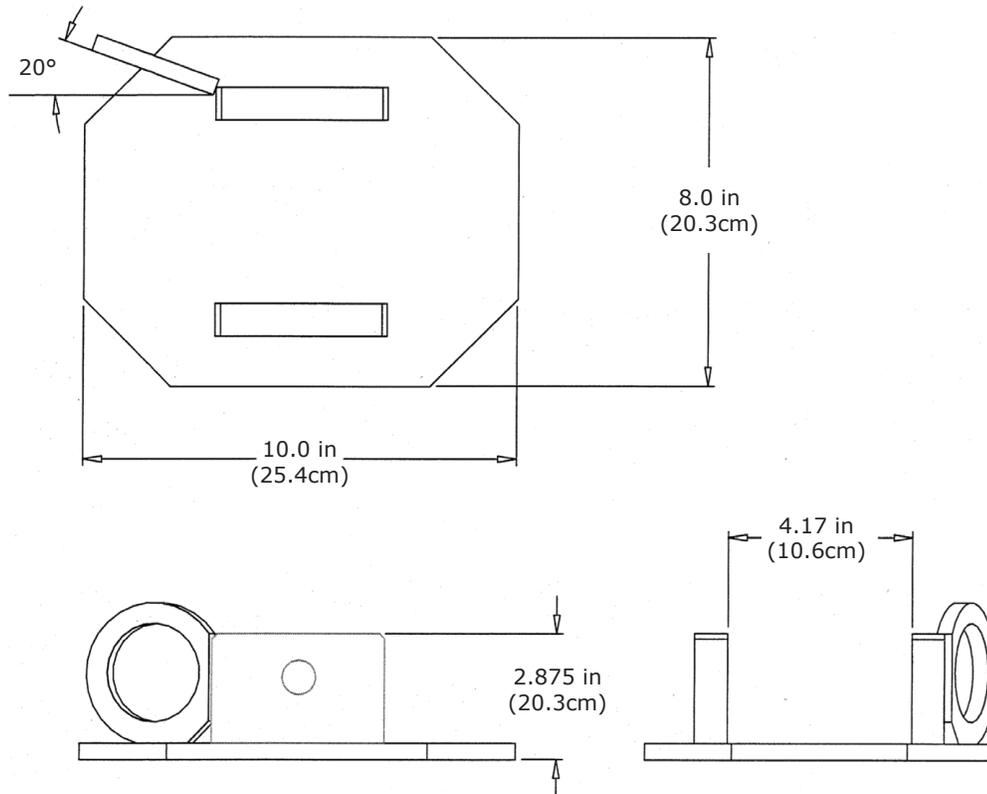
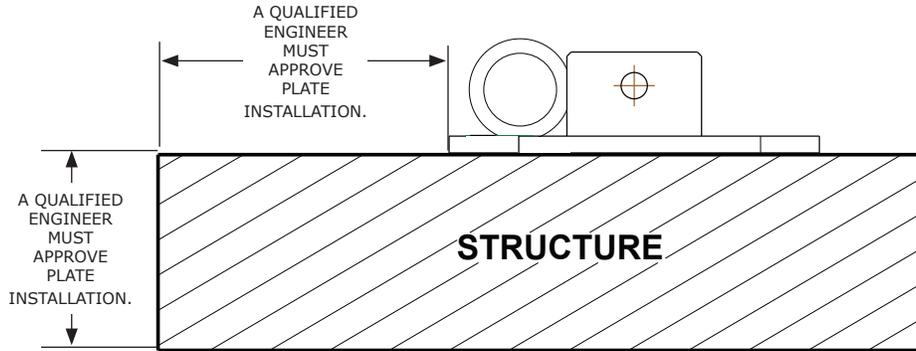


Table 1 – Mounting Requirement Minimums

Fall Arrest Post Model Number and Type	Moment Requirement	Vertical Load Requirement
* (See <i>Warning</i> below.) Model 8516691 Advanced Series Portable Fall Arrest Anchor Post	190,000 in-lbs (20.8 kN-m)	3,100 lbs (13.8 kN)
Model 16996 Advanced Series 14 ft. (4.3m) Anchor Post	130,000 in-lbs (14.2 kN-m)	2,250 lbs (10.0 kN)

* **WARNING:** Install to this strength requirement where ever possible to avoid potential incompatibility with different models.



NOTE: These numbers are based on a safety factor of 2:1. The *on site qualified person* **MUST ALSO** approve anchor plate installation.

IMPORTANT: Anchor Plate installation must be approved to local and federal regulations by a *qualified engineer*. Installer must ensure necessary structure thickness and structure type requirements are met prior to anchor base installation.



SUPPLEMENT FOR SLEEVE/PLATE WELDING PROCEDURES

The Ultimate in Fall Protection

Welding Procedures for Sleeves/Weld-on Plates

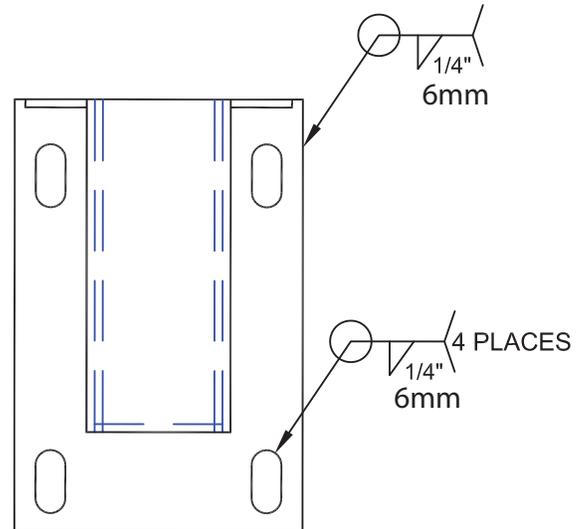
1. Clean and prepare the surface for welding by removing all oils, grease, rust, scale etc
2. If you are dealing with any existing surface coatings like paints or plating, grind and clean surfaces exposing a bare steel area of the approximate size of the Sleeve/Weld-on Plate being used.
3. Lightly grind the edges of the Sleeve before welding to expose a bare steel surface.
4. Once the surface and the Sleeve/Weld-on Plate are free of debris and surface coatings, weld according to the drawing provided.
5. Weld the mounting plate on using a minimum of a 1/4" (6 mm) fillet weld around the perimeter of the mounting plate and ensuring a seal to prevent moisture from corroding the surface underneath.

NOTE: Use a minimum of a 1/4" (6 mm) seal weld inside and all around any unused mounting holes, ensuring sealing the mounting plate to the surface in order to prevent moisture from corroding underneath the sleeve.

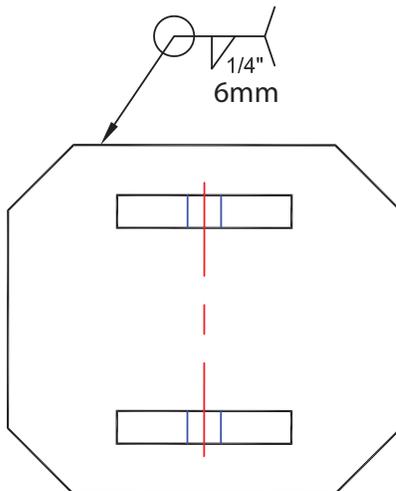
6. If concerned about the life expectancy of the welding being exposed to harsh environments, apply a surface coating that will protect against corrosion and pitting.

NOTE: Regarding the welding of the Sleeves/Weld-on Plates, typically the type and size of the weld is determined by the certified welder, who performs the work in accordance with the AWS processes and procedures.

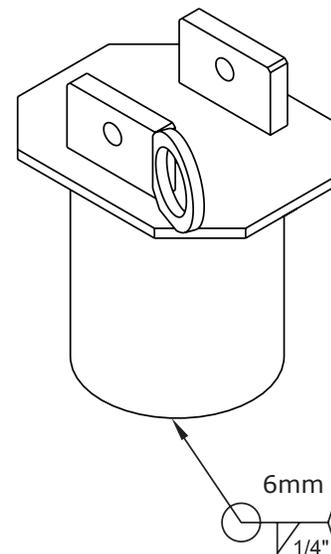
Welding Figure 1



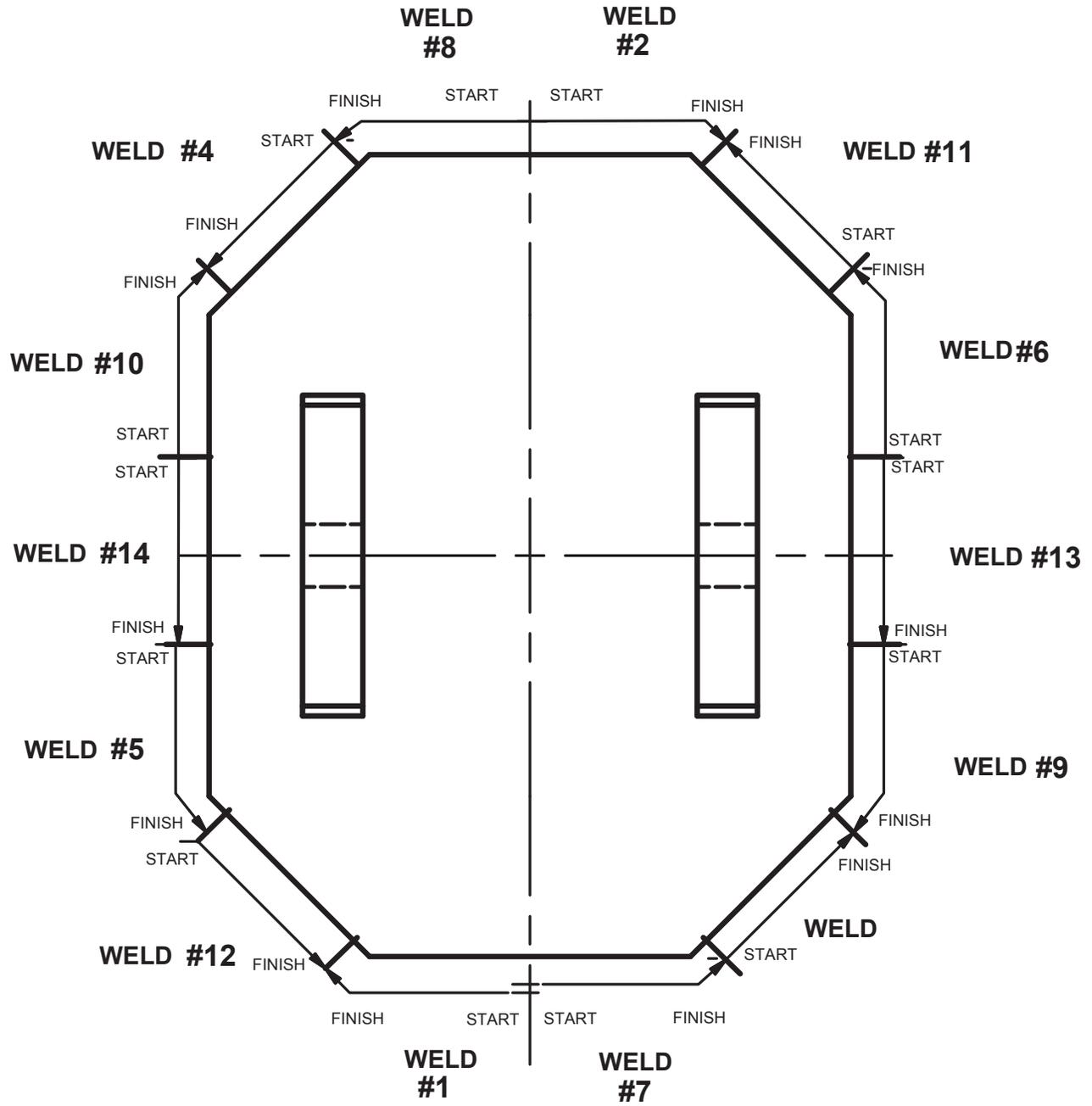
Welding Figure 2



Welding Figure 3



Welding Figure 4

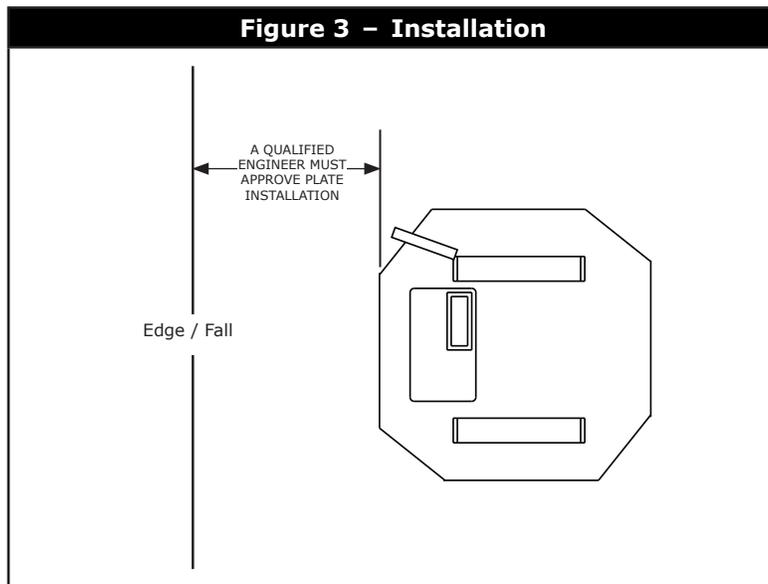


3. INSTALLATION:

IMPORTANT: Confer with *qualified engineer* for specific mounting requirements. There are many factors that will determine a proper installation of the anchor plate, such as support component material and post requirements. These factors must all be considered prior to anchor plate installation.

WARNING: Failure to follow *Mounting Requirement Minimums* and *Installation* instructions may lead to severe injury and/or death.

IMPORTANT: When the base is being installed for a welding application, *the on site qualified person* shall determine weld methods and weld size. All welded installations shall be capable of supporting moment load and vertical load requirements. All welding is to be done in accordance with the local body that governs welding procedures and must be performed by a qualified welder.



1. After conferring with a qualified engineer and the *on site qualified person*, place anchor plate onto mounting structure. (See Figure 3 to left.)
2. Weld anchor plate into place.
3. A *qualified engineer* must verify the structural installation meets local and federal regulations.
4. The *on site qualified person* **must** approve anchor plate installation.

WARNING: Failure to follow anchor plate installation and safety guidelines may lead to severe injury and/or death.

4. ANCHOR PLATE INSPECTION:

BEFORE EACH USE:

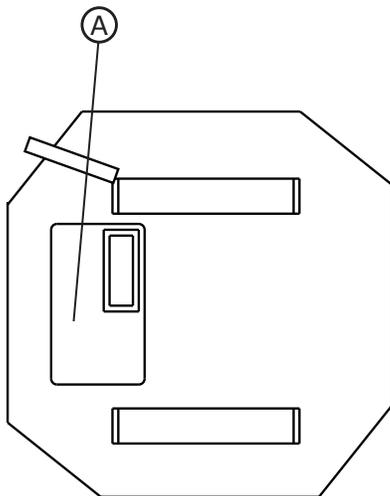
IMPORTANT: Extreme working conditions (harsh environments, prolonged use) may require increasing the frequency of inspections.

WARNING: If the base has been subjected to fall arrest forces, it must be immediately removed from service and inspected. If the floor mount base fails inspection, remove from service and destroy, or contact Capital Safety for repair or replacement.

Table 2 – Inspection and Maintenance Log

Serial Number(s):		Date Purchased:	
Model Number:		Date of First Use:	
Inspected By:		Inspection Date:	
Component:	Inspection:	Authorized Person or Rescuer	Competent Person
	Base should be inspected directly after installation and at same intervals as the arresting system for similar defects and/or unsafe conditions.	<input type="checkbox"/>	<input type="checkbox"/>
	All labels must be present and fully legible.	<input type="checkbox"/>	<input type="checkbox"/>
	If inspection reveals an unsafe or defective condition, remove the base from service and destroy, or contact Capital Safety for repair or replacement.	<input type="checkbox"/>	<input type="checkbox"/>
	Look for signs of corrosion on the entire unit.	<input type="checkbox"/>	<input type="checkbox"/>
Corrective Action/Maintenance:		Approved By:	
		Date:	
Corrective Action/Maintenance:		Approved By:	
		Date:	
Corrective Action/Maintenance:		Approved By:	
		Date:	
Corrective Action/Maintenance:		Approved By:	
		Date:	
Corrective Action/Maintenance:		Approved By:	
		Date:	

ANCHOR PLATE LABELS



(A)

LIMITED LIFETIME WARRANTY

Warranty to End User: D B Industries, LLC 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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