

CBEG LADDER AND PLATFORMS



INSTALLATION MANUAL P/N 200295

CHIEF 

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Chief Industries, Inc. – Agri/Industrial Division

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Manual Revisions

- 11-18-2013
 - Revised cage and ladder brackets
- 09-02-2014
 - Updated warranty information
- 10-22-2014
 - Model 48 boot bracket
- 1-1-2016
 - General formatting update

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www.agri.Chiefind.com

STANDARD LIMITED WARRANTY

Material Handling Products

1. **Definitions**. The following terms, when they appear in the body of this Standard Limited Warranty for Material Handling Products in initial capital letters shall have the meaning set forth below:
 - A. Accepted Purchase Order shall mean the Purchase Order identified below.
 - B. Chief shall mean Chief Agri/Industrial, a division of Chief Industries, Inc.
 - C. Original Owner shall mean the original owner identified below.
 - D. Product shall mean the Agri/Industrial Equipment as described in the Accepted Purchase Order.
 - E. Reseller shall mean the authorized Chief Agri/Industrial Equipment dealer identified below.
2. **Limited Product Warranty**. Upon and subject to the terms and conditions set forth below, Chief hereby warrants to the Reseller, and, if different, the Original Owner as follows:
 - A. All new Products delivered to the Reseller or the Original Owner by Chief pursuant to the Accepted Purchase Order will, when delivered, conform to the specifications set forth in the Accepted Purchase Order;
 - B. All new Products delivered pursuant to the Accepted Purchase Order will, in normal use and service, be free from defects in materials or workmanship; and
 - C. Upon delivery, Chief will convey good and marketable title to the Products, free and clear of any liens or encumbrances except for, where applicable, a purchase money security interest in favor of Chief.
3. **Duration of Warranty and Notice Requirements**. Subject to the **Exceptions, Exclusions and Limitations** set forth below, the warranties set forth in Section 2 above shall apply to all covered non-conforming conditions that are discovered within the first twenty-four (24) months following delivery of the Product to the carrier designated by the Reseller and/or the Original Owner at Chief's manufacturing facility in Kearney, Nebraska (the "Warranty Period") and are reported to the Chief as provided in Section 4 below within thirty (30) days following discovery (a "Notice Period").
4. **Notice Procedure**. In order to make a valid warranty claim, the Reseller and/or the Original Owner must provide Chief with a written notice of any nonconforming condition discovered during the Warranty Period within the applicable Notice Period specified in Section 3 above. Said notice must be in writing; be addressed to Chief Industries, Inc., Agri/Industrial Division, Customer Service Department, P.O. Box 848, Kearney, NE 68848; and contain the following information: (a) the Customer's name and address; (b) the Reseller's name and address; (c) the make and model of the Product in question; (d) the current location of the Product; (e) a brief description of the problem with respect to which warranty coverage is claimed; and (f) the date on which the Product was purchased.
5. **Exceptions and Exclusions**. Anything herein to the contrary notwithstanding, the warranties set forth in Section 2 above do **not** cover any of the following, each of which are hereby expressly excluded:
 - A. Defects that are not discovered during the applicable Warranty Period;
 - B. Defects that are not reported to the Chief Agri/Industrial Division Customer Service Department in conformity with the notice procedure set forth in Section 4 above within the applicable Notice Period specified in Section 3;

- C. Any used or pre-owned Products;
- D. Any Chief manufactured parts that are not furnished as a part of the Accepted Purchase Order;
- E. Any fixtures, equipment, materials, supplies, accessories, parts or components that have been furnished by Chief but are manufactured by a third party;
- F. Any Products which have been removed from the location at which they were originally installed;
- G. Any defect, loss, damage, cost or expense incurred by the Reseller or the Original Owner to the extent the same arise out of, relate to or result, in whole or in part, from any one or more of the following:
 - (i) Usual and customary deterioration, wear or tear resulting from normal use, service and exposure;
 - (ii) Theft, vandalism, accident, war, insurrection, fire or other casualty;
 - (iii) Any damage, shortages or missing parts which result during shipping or are otherwise caused by the Reseller, the Original Owner and/or any third party;
 - (iv) Exposure to marine environments, including frequent or sustained salt or fresh water spray;
 - (v) Exposure to corrosive, chemical, ash, smoke, fumes, or the like generated or released either within or outside of the structure on which the Product is installed, regardless of whether or not such facilities are owned or operated by the Reseller, the Original Owner or an unrelated third party;
 - (vi) Exposure to or contact with animals, animal waste and/or decomposition;
 - (vii) The effect or influence the Product may have on surrounding structures, including, without limitation, any loss, damage or expense caused by drifting snow;
 - (viii) Any Product or portion thereof that has been altered, modified or repaired by the Reseller, the Original Owner or any third party without Chief's prior written consent;
 - (ix) Any Product or portion thereof that has been attached to any adjacent structure without Chief's prior written approval;
 - (x) Any Product to which any fixtures, equipment, accessories, materials, parts or components which were not provided as a part of the original Accepted Purchase Order have been attached without Chief's prior written approval;
 - (xi) The failure on the part of the Reseller, the Original Owner or its or their third party contractors to satisfy the requirements of all applicable statutes, laws, ordinances rules, regulations and codes, (including zoning laws and/or building codes);
 - (xii) The use of the Product for any purpose other than the purpose for which it was designed; and/or
 - (xiii) The failure of the Reseller, the Original Owner and/or any third party to:
 - (a) properly handle, transport and/or store the Product or any component part thereof;
 - (b) properly select and prepare a site that is adequate for the installation and/or operation of the Product or any component part thereof;
 - (c) properly design and construct a foundation that is adequate for the installation and/or operation of the Product or any component part thereof;
 - (d) properly set up, erect, construct or install the Product and/or any component part thereof; and/or
 - (e) properly operate, use, service and/or maintain the Product and each component part thereof.

6. **Resolution of Warranty Claims.** In the event any nonconforming condition is discovered within the Warranty Period and Chief is notified of a warranty claim as required by Section 4 prior to the end of the applicable Notice Period set forth in Section 3 above, Chief shall, with the full cooperation of the Reseller and the Original Owner, immediately undertake an investigation of such claim. To the extent Chief shall determine, in its reasonable discretion, that the warranty claim is covered by the foregoing Limited Product Warranty, the following shall apply:
- A. **Warranty Claims With Respect to Covered Non-Conforming Conditions Discovered Within the First Three Hundred Sixty Five (365) Days and Reported to Chief Within Thirty (30) Days of Discovery.** In the case of a warranty claim which relates to a covered non-conforming condition that is discovered during the first three hundred sixty five (365) days of the Warranty Period and is reported to Chief as required by Section 4 within thirty (30) days of discovery as required by Section 3, Chief will, as Chief's sole and exclusive obligation to the Reseller and the Original Owner, and as their sole and exclusive remedy, work in cooperation with the Reseller and the Original Owner to correct such non-conforming condition, and in connection therewith, Chief will ship any required replacement parts to the "ship to address" set forth in the Accepted Purchase Order FOB Chief's facilities in Kearney, Nebraska, and will either provide the labor or reimburse the Reseller or the Original Owner, as may be appropriate in the circumstances, for any out of pocket expense the Original Owner may reasonably and necessarily incur for the labor that is required to correct such non-conforming condition, provided that if work is to be performed by the Reseller or a third party contractor, Chief may require at least two competitive bids to perform the labor required to repair or correct the defect and reserves the right to reject all bids and obtain additional bids. Upon acceptance of a bid by Chief, Chief will authorize the necessary repairs.
- B. **All Other Warranty Claims.** Except as is otherwise provided in subsection 6A above, in the case of all other warranty claims which relate to covered non-conforming conditions that are discovered during the Warranty Period and are reported to Chief as required by Section 4 within thirty (30) days following discovery, Chief will, as Chief's sole and exclusive obligation to the Reseller and the Original Owner, and as the Reseller's and the Original Owner's sole and exclusive remedy, ship any required replacement parts to the Original Owner at the "ship to address" specified in the Accepted Purchase Order FOB Chief's facilities in Kearney, Nebraska; and **in such event, Chief shall have no responsibility or liability to either the Reseller or the Original Owner for the cost of any labor required to repair or correct the defect.**
7. **Warranty Not Transferable.** This Warranty applies only to the Reseller and the Original Owner and is **not transferable**. As such, this Warranty does **not** cover any Product that is sold or otherwise transferred to any third party following its delivery to the Original Owner.
8. **Limitation on Warranties, Liabilities and Damages.** The Reseller and the Original Owner expressly agree that the allocation of the risk, liability, loss, damage, cost and expense arising from any Product that does not conform to the limited warranty given in Section 2 above are fair and reasonable and acknowledge that such allocation was expressly negotiated by the parties and was reflected in the Purchase Price of the Product. Accordingly the Reseller and the Original Owner expressly agree as follows:
- A. **Disclaimer of Implied Warranties.** **EXCEPT AS IS OTHERWISE EXPRESSLY SET FORTH HEREIN, CHIEF MAKES NO OTHER REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER, WHETHER EXPRESS OR IMPLIED, BY OPERATION OF LAW, COURSE OF DEALING OR OTHERWISE WITH RESPECT TO THE PRODUCT, ANY COMPONENT PART THEREOF OR ANY OTHER GOODS OR SERVICES THAT CHIEF**

MANUFACTURES, FABRICATES, PRODUCES, SELLS OR PROVIDES TO THE DEALER OR THE ORIGINAL OWNER PURSUANT TO THE TERMS OF ANY ACCEPTED PURCHASE ORDER, INCLUDING WITHOUT LIMITATION ANY REPRESENTATION OR WARRANTY WITH RESPECT TO DESIGN, CONDITION, MERCHANTABILITY OR FITNESS OF THE PRODUCT OR ANY OTHER GOODS OR SERVICES FOR ANY PARTICULAR PURPOSE OR USE.

B. Limitation on Liability. EXCEPT AS IS OTHERWISE EXPRESSLY SET FORTH IN SECTION 6 ABOVE, CHIEF'S LIABILITY TO THE DEALER AND/OR THE ORIGINAL OWNER WITH RESPECT TO ANY DEFECTS IN ANY PRODUCTS OR FOR ANY OTHER GOODS OR SERVICES WHICH DO NOT CONFORM TO THE WARRANTIES SET FORTH ABOVE SHALL NOT, IN ANY EVENT, EXCEED THE ACTUAL COST OF SUCH NON-CONFORMING PRODUCT, GOODS OR SERVICES AS DETERMINED PURSUANT TO THE ACCEPTED PURCHASE ORDER; AND

C. Limitation on the Nature of Damages. EXCEPT AS EXPRESSLY PROVIDED IN SECTION 6 ABOVE, CHIEF SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE TO THE DEALER, THE ORIGINAL OWNER OR ANY THIRD PARTY FOR ATTORNEY FEES COURT COSTS OR ANY OTHER SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, LIQUIDATED OR PUNITIVE DAMAGES OF ANY NAME, NATURE OR DESCRIPTION AS A RESULT OF THE FAILURE OF ANY PRODUCT OR ANY OTHER GOODS OR SERVICES PURCHASED BY THE DEALER OR THE ORIGINAL OWNER FROM CHIEF PURSUANT TO THE ACCEPTED PURCHASE ORDER TO CONFORM TO THE LIMITED WARRANTIES SET FORTH IN SECTION 2 ABOVE.

8. Applicable Law. This Limited Product Warranty has been issued, accepted and entered into by the Reseller, the Original Owner and Chief in the State of Nebraska and shall be governed by, and construed in accordance with, the internal laws of the State of Nebraska. Any legal action or proceeding with respect to any goods or services furnished to the Original Owner by Chief in connection herewith, or any document related hereto shall be brought only in the district courts of Nebraska, or the United States District Court for the District of Nebraska, and, by execution and delivery of this Limited Product Warranty, the undersigned Original Owner hereby accept for themselves and with respect to their property, generally and unconditionally, the jurisdiction of the aforesaid courts. Further, the undersigned Original Owner hereby irrevocably waives any objection, including, without limitation, any forum non conveniens, which it may now or hereafter have to the bringing of such action or proceeding in such respective jurisdictions.

ACKNOWLEDGMENT OF RECEIPT

By its signature hereto, the undersigned Reseller represents and warrants to Chief that the Reseller has provided a true, correct and complete copy of this Standard Limited Warranty to the Original Owner at the time the product was purchased.

Reseller Name and Address: _____

Original Owner Name and Address: _____

Accepted Purchase Order No. _____

Original Jobsite Address: _____

RESELLER:

By: _____
Date

Print name and title

4831-5139-8433, v. 1

Warning

Water Sensitive Materials - Read this notice carefully

Bundles must be inspected and carrier advised immediately if damage is noted. White rust is a corrosion attack of the zinc coating resulting from the presence of water. Anywhere rust is found will result in a reduction of the life of the galvanized steel.

If water has entered a bundle or if condensation has formed between items, the bundle must be opened, the items separated and all surfaces dried.

If items are to be installed within 10 days:

Store bundled items off the ground high enough to allow air circulation beneath bundle and to prevent water from entering. Store 1 end at least 8" (20.32cm) higher than the opposite end. Support long bundles in the center. Prevent rain from entering the bundle by covering with a tarpaulin, making provision for air circulation between the draped edges and the ground.

Do not wrap in plastic.

If items are not to be installed within 10 days:

Provide inside dry storage. Storage beyond 6 months is not recommended. If white rust is apparent upon receipt of shipment, notify Chief immediately. Damage to items, resulting from improper storage, is the responsibility of the receiver.



Before You Begin

Before starting the installation of the bucket elevator, take time to thoroughly study the construction methods in this manual, this will save you time and money.

Chief makes no warranty concerning components, accessories or equipment not manufactured by Chief.

When using a cutting torch or welding galvanized material, the possibility of developing toxic fumes will exist. Provide adequate ventilation and respiratory protection when using this type of equipment during installation.

Introduction

Thank you for purchasing a Chief bucket elevator. Proper installation and operation will ensure you the best overall experience with your equipment and guarantee smooth operation.

This proprietary information is loaned with the expressed agreement that the drawings and information therein contained are the property of Chief Industries, Inc. and will not be reproduced, copied, or otherwise disposed of, directly or indirectly, and will not be used in whole or in part to assist in making or to furnish any information for the making of drawings, prints or other reproduction hereof, or for the making of additional products or equipment except upon written permission of Chief Industries, Inc. first obtained and specific as to each case. The acceptance of this material will be construed as an acceptance of the foregoing agreement.

The technical data contained herein is the most recent available at the time of publication and is subject to modification without notice. Chief Industries, Inc. reserves the right to modify the construction and method of operation of their products at any time without any obligation on their part to modify any equipment previously sold and delivered.

Special Service Note: If you are unable to remedy any service problem after thoroughly studying this manual, contact the dealer from whom you purchased the unit. Your dealer is your first line of service. The following information is required for service:

1. Bucket elevator model and serial number: _____
2. Head pulley diameter: _____
3. Discharge height: _____
4. Motor RPM and HP: _____
5. Type of grain and capacity: _____
6. Dealer purchased from: _____
7. Dealer address and phone number: _____
8. Date purchased: _____
9. Service contractor:
 - a. Name: _____
 - b. Address: _____
 - c. Phone: _____

Model Number Description

The model nomenclature distinguishes the application of the bucket elevator. The information includes a designation of the applicable pulley diameter, discharge height, and capacity utilized. The definition of the model number nomenclature is as follows:

Example: CBEG 36 - 105 - 5000 - 8X10
 (a) (b) - (c) - (d) - (e)

(a) CBEG = Chief bucket elevator galvanized

(b) 36 = Bucket elevator pulley diameter

 Where: 36 = 36 inches in diameter

(c) 105 = Bucket elevator discharge height

 Where: 105 = 105 feet in height from base of boot to discharge

(d) 5000 = Elevator capacity

 Where: 5000 = 5,000 BPH design

(e) 8X10 = Leg section

 Where: 8 = 8" width

 Where 10 = 10" length

Hardware Torque

The following table contains recommended minimum and maximum torque values for installation.

When installing hardware the minimum and maximum torque values shown below must be followed. All hardware must seat tight against the corresponding bin component.

| Bolt Diameter | Minimum Torque | Maximum Torque |
|----------------|----------------|----------------|
| 5/16" (.79cm) | 22 ft.-lbs. | 28 ft.-lbs. |
| 3/8" (.95cm) | 25 ft.-lbs. | 44 ft.-lbs. |
| 7/16" (1.11cm) | 60 ft.-lbs. | 75 ft.-lbs. |
| 1/2" (1.27cm) | 50 ft.-lbs. | 58 ft.-lbs. |

Please note the following wrench / socket size to be used on the corresponding hardware:

| Bolt Size | Head Size | Nut Size |
|-----------|--------------|---------------|
| 5/16" | 1/2" wrench | 1/2" wrench |
| 3/8" | 9/16" wrench | 9/16" wrench |
| 7/16" | 5/8" wrench | 11/16" wrench |
| 1/2" | 3/4" wrench | 3/4" wrench |

Pre-Installation Planning Information

Bucket elevator access equipment should be preplanned to meet the project requirements. Engineering drawings will simplify the installation and should include the following:

- Site layout
- Location and orientation of elevator
- Location of spouting and accessories

Important Note: All ladders and platforms should be positioned for correct access to equipment. Chief does not assume any responsibility from parts damaged due to faulty or improper installation procedures.

Structural Capacity

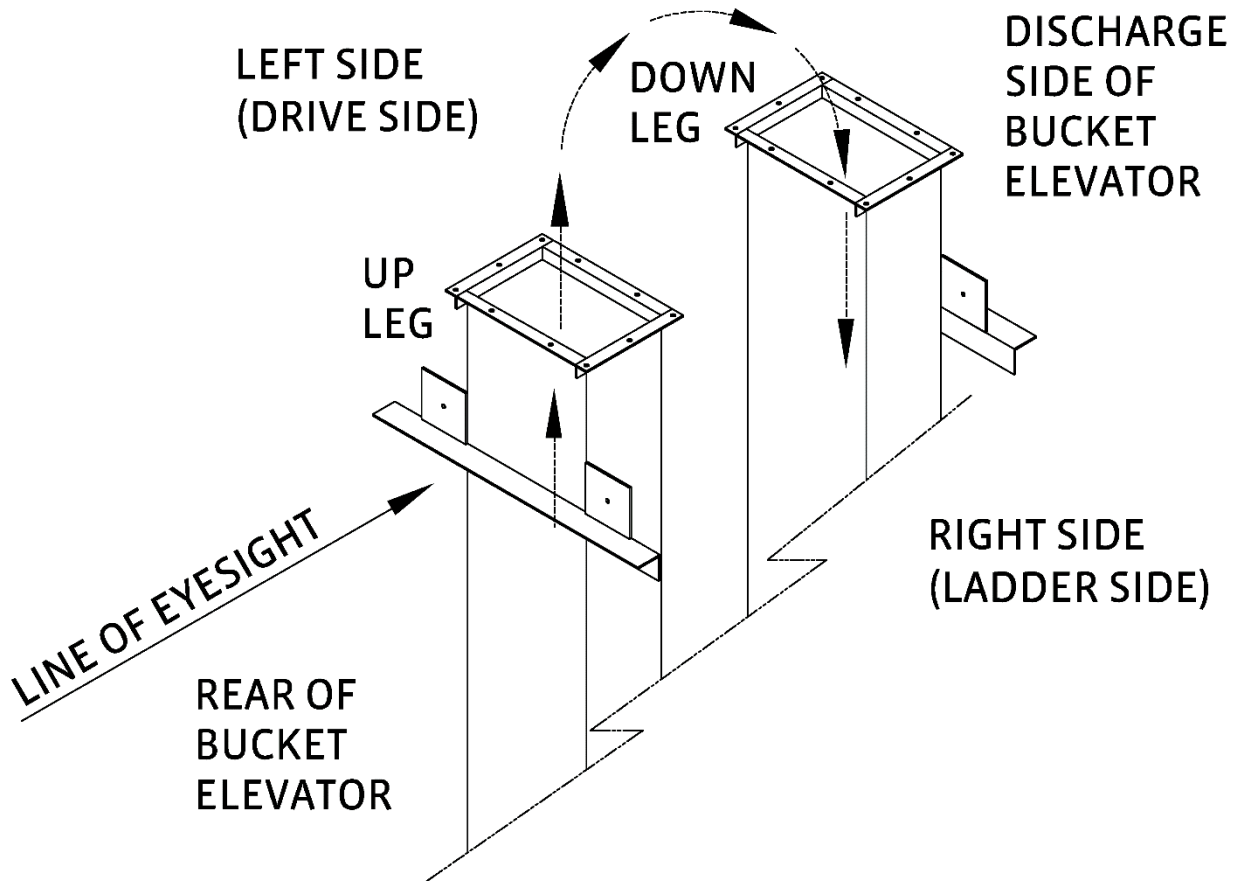
Safety is the first consideration in all planning for installation and operation of the elevator. The service access accessories are intended to support the weight of personnel only. It is not designed to support or brace other equipment.

Important Note: Any use of the service access accessories to support loads beyond that of the user, including use as a hoist support, can cause structural failure and sever injury or death to the user.

Elevator Location

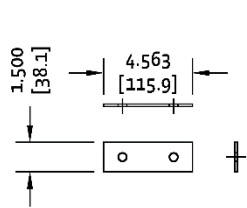
The ladders, safety cage, rest stop platforms, head service platforms and distributor platforms must be properly located for correct installation.

Chief has standardized the left and right sides of the bucket elevator as shown in the following illustration. Chief normally locates the head drive on the left side and the ladder on the right side.

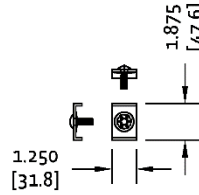


Part Identification

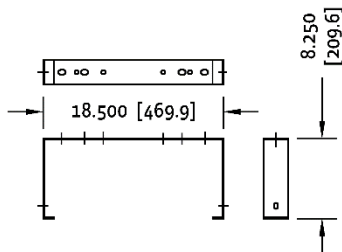
Use the following information to identify common parts used on **all models** of bucket elevators during installation.



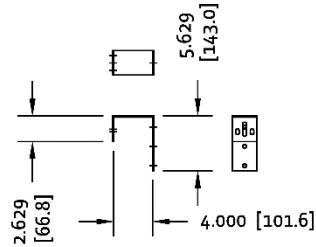
LADDER CONNECT STRAP
(9440073)



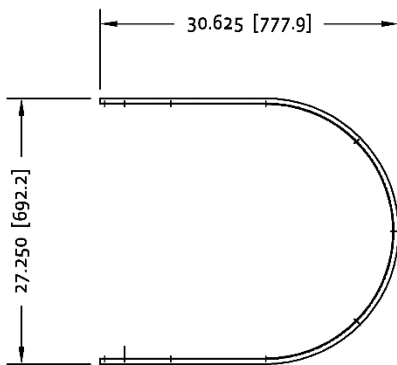
LADDER CLIP BOLT ASSY
(9342512)



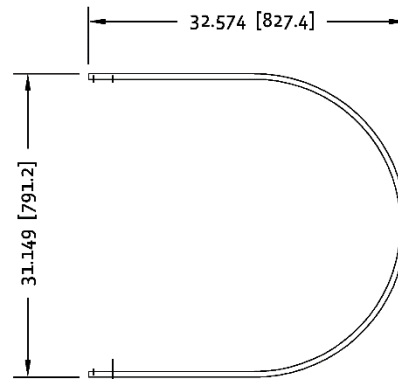
LADDER BRKT-STAND OFF
(9106912)



LADDER CAGE HOOP STANDOFF
(9342612)



SAFETY CAGE HOOP
#9342605

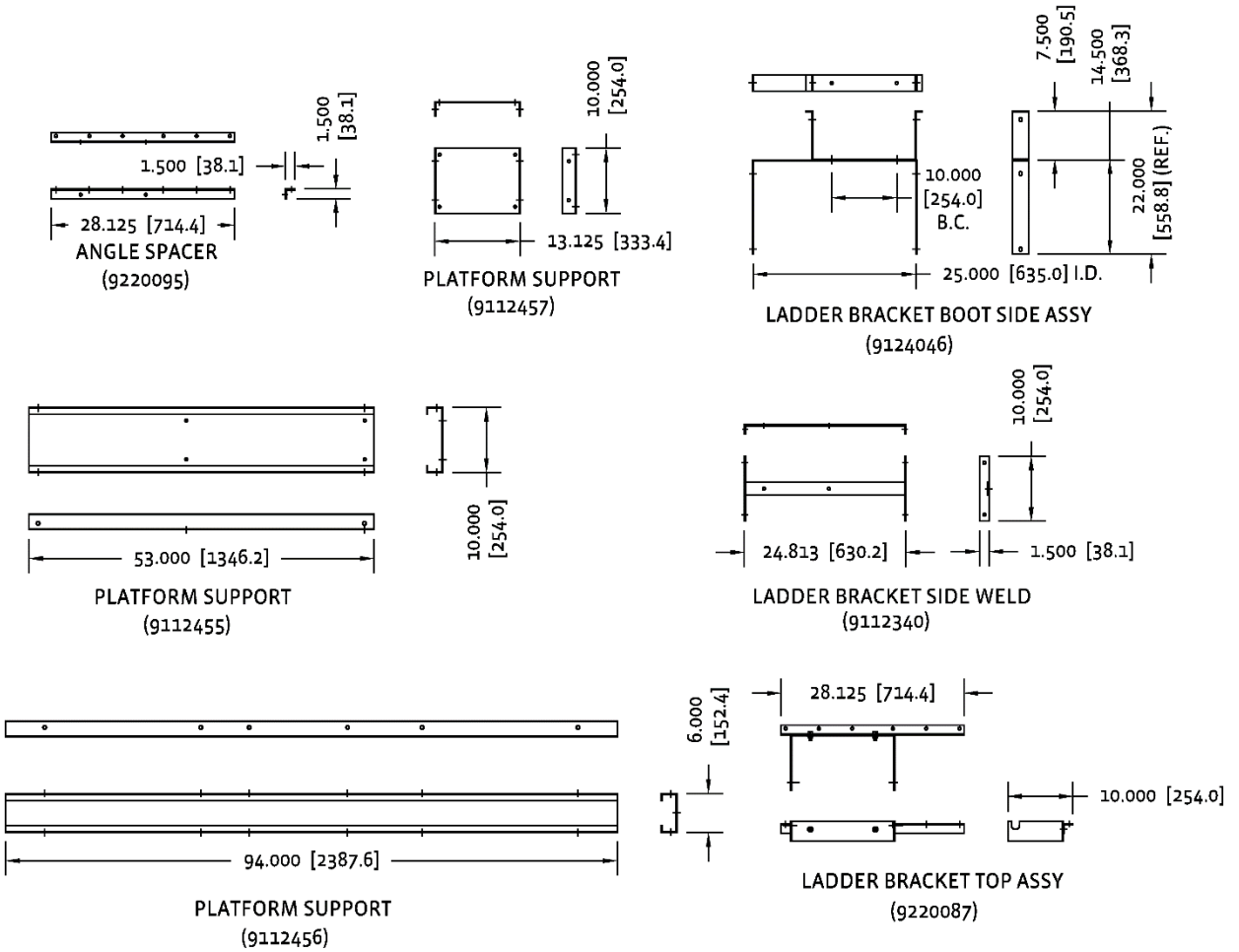


SAFETY CAGE EXTENSION HOOP
#9342613

MODELS 10, 16, 24W, 30, 36, 36W, 42, & 48

Use the following information to identify common parts used during installation.

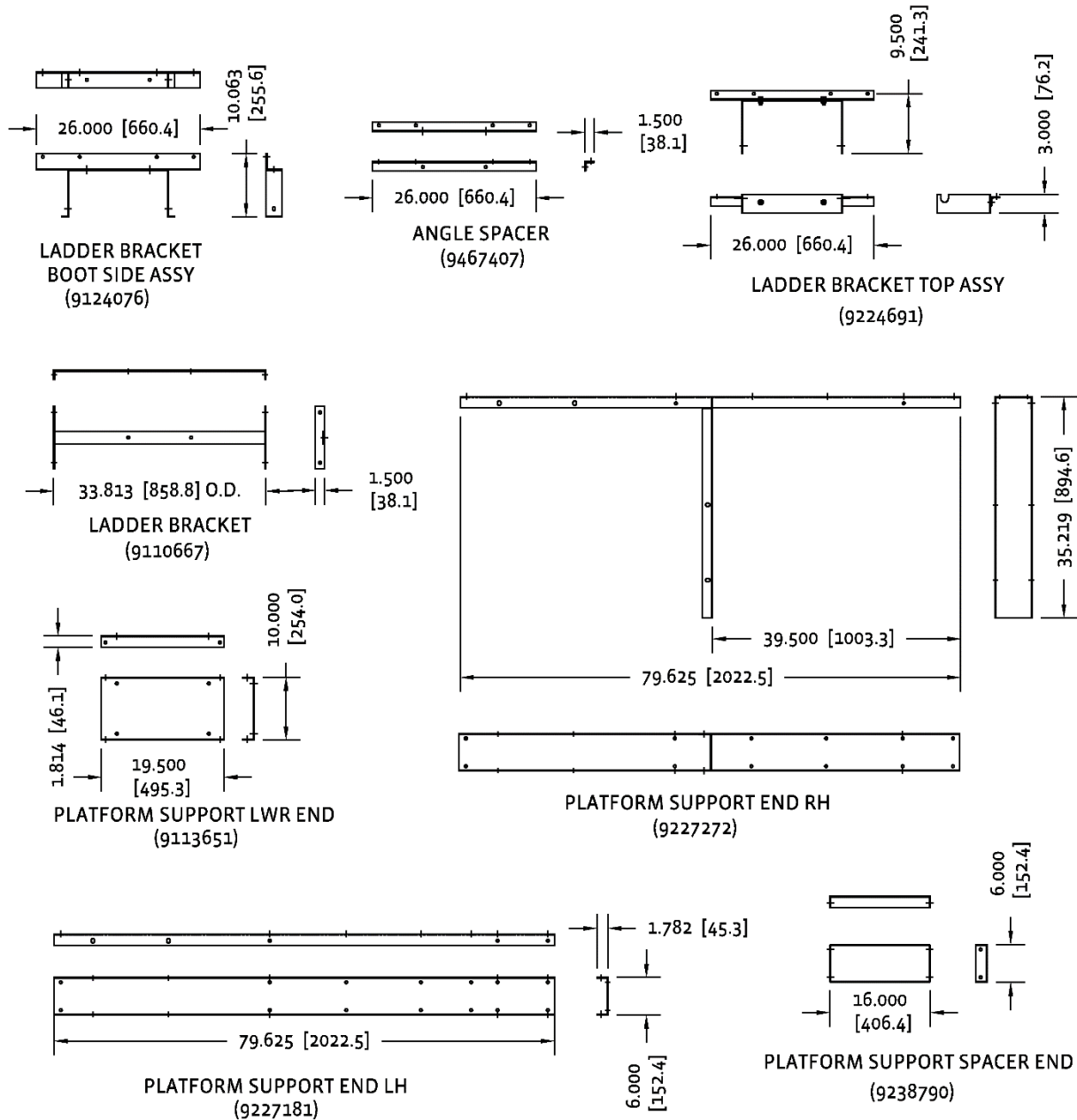
CBEG10



MODEL 10

Use the following information to identify common parts used during installation.

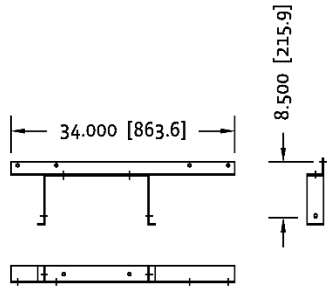
CBEG16



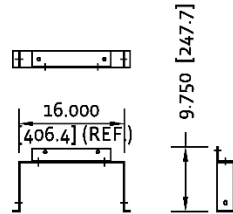
MODEL 16

Use the following information to identify common parts used during installation.

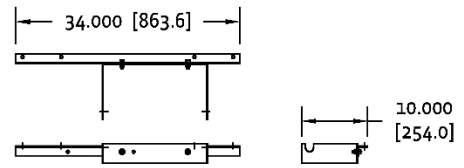
CBEG24W



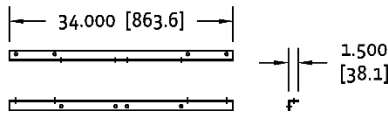
LADDER BRACKET
BOOT SIDE ASSY
(9124087)



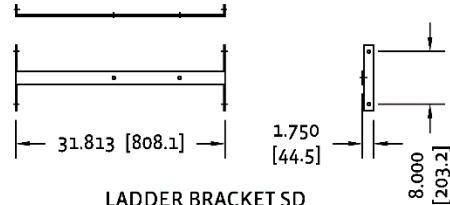
LADDER BRACKET
BOOT END ASSY
(9124090)



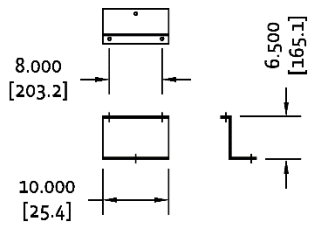
TOP LADDER BRACKET
(9224675-RH SHOWN AS SHIPPED)



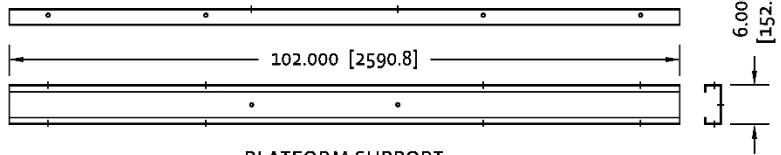
ANGLE SPACER
(9469767)



LADDER BRACKET SD
(9115755)



LADDER BRACKET END
(9115757)

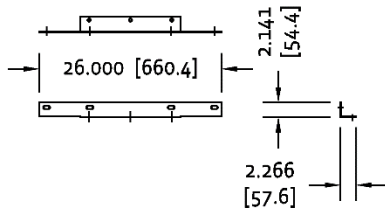


PLATFORM SUPPORT
(9117370)

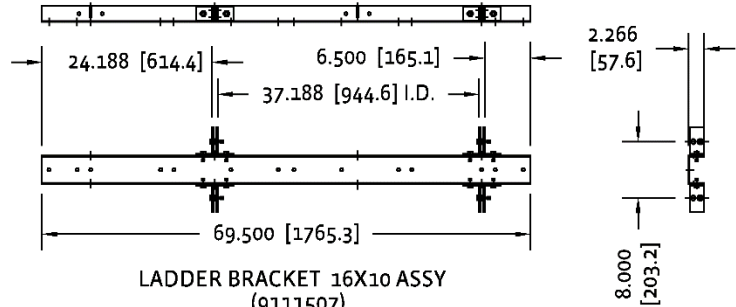
MODEL 24W

Use the following information to identify common parts used during installation.

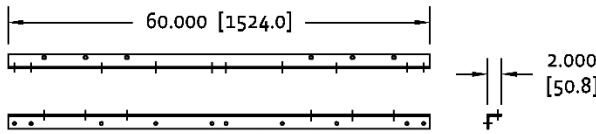
CBEG30



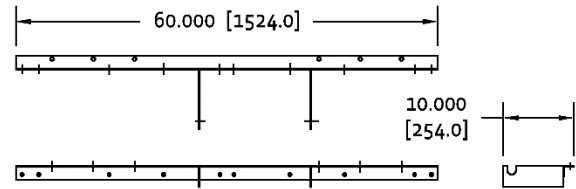
LADDER BRACKET BOOT
(9109080)



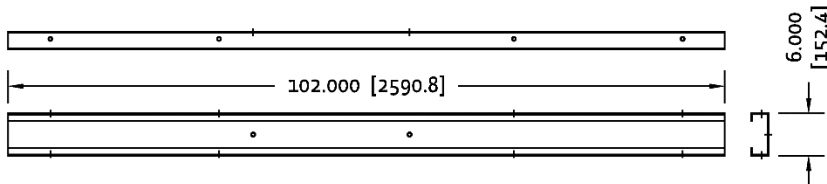
LADDER BRACKET 16X10 ASSY
(9111507)



ANGLE SPACER
(9215590)



LADDER BRACKET TOP RH ASSY
(9224659-RH SHOWN AS SHIPPED)

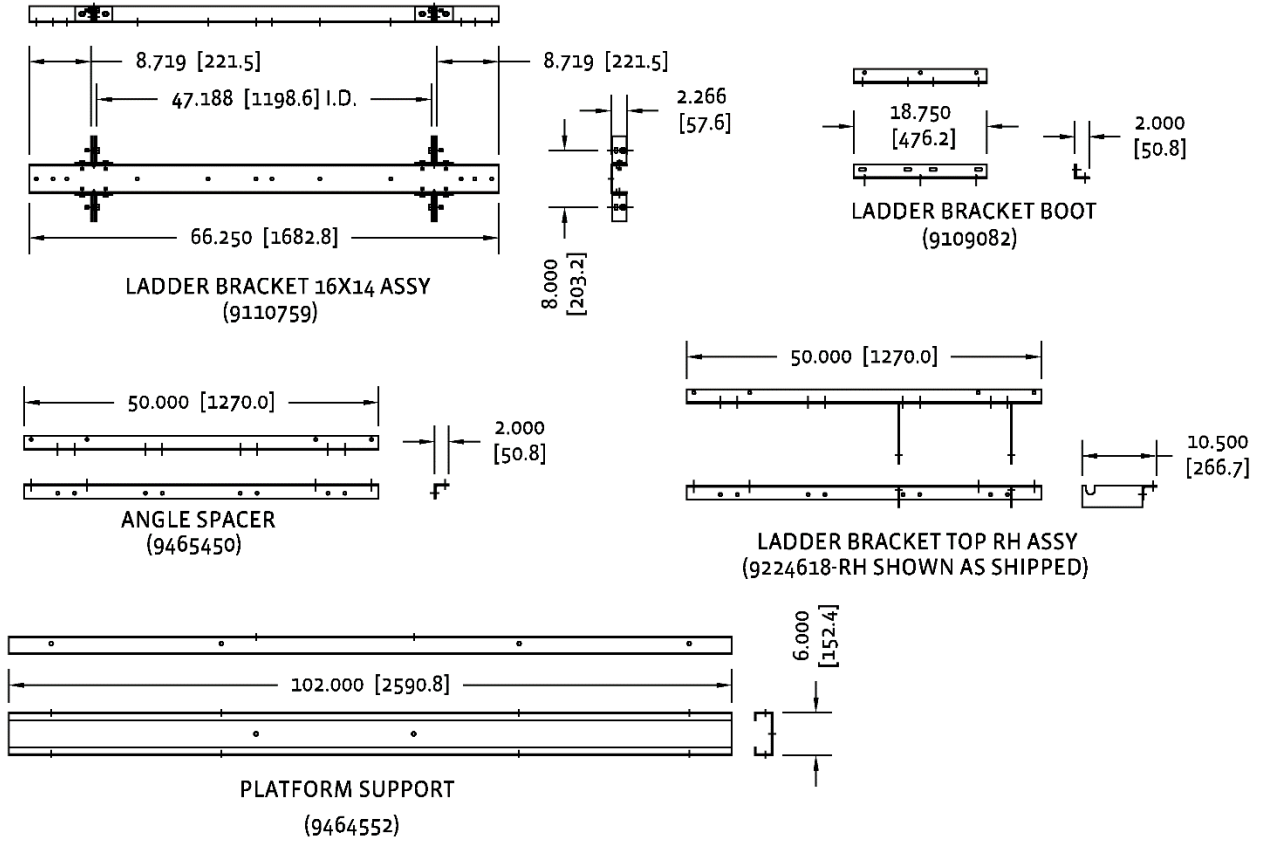


PLATFORM SUPPORT
(9464552)

MODEL 30

Use the following information to identify common parts used during installation.

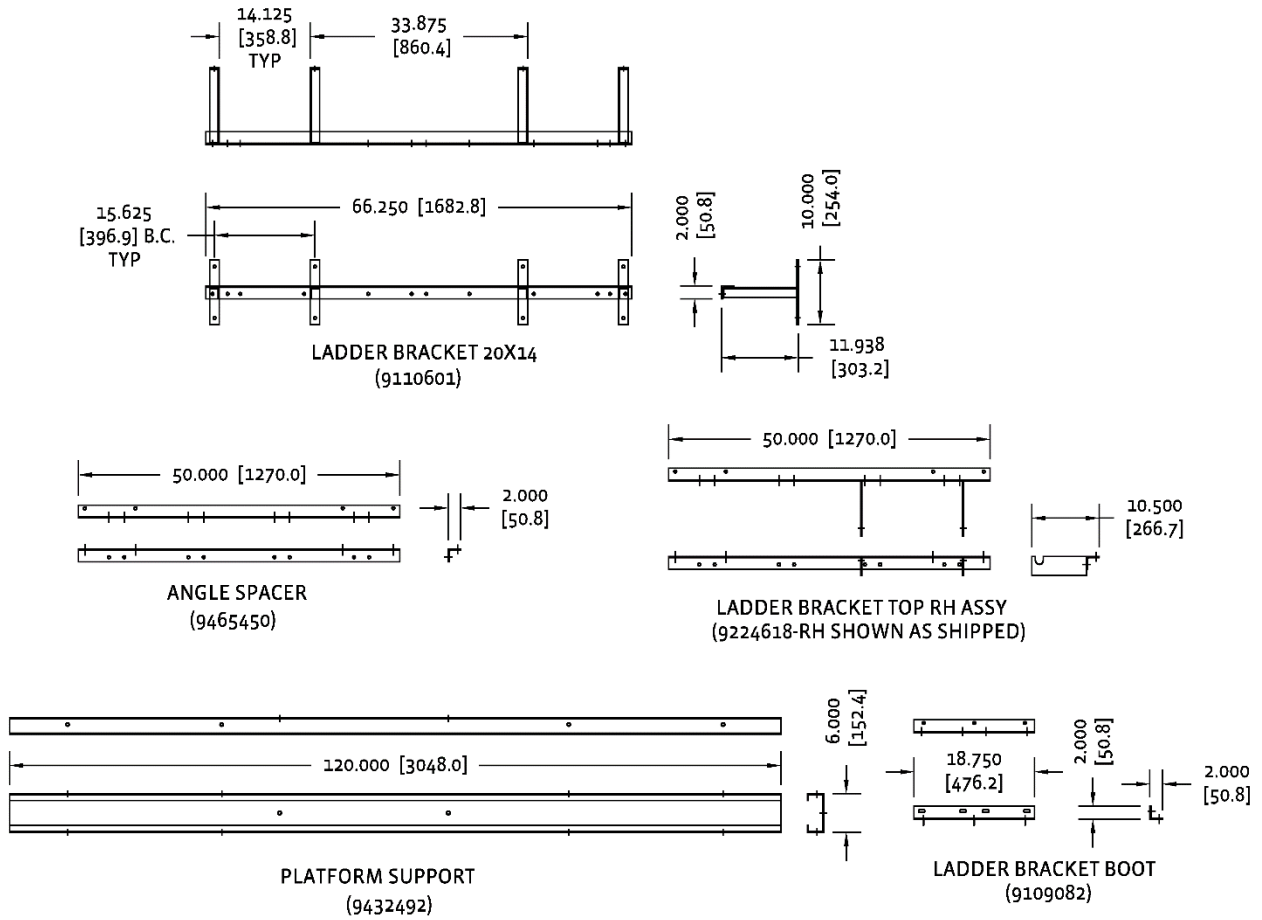
CBEG36



MODEL 36

Use the following information to identify common parts used during installation.

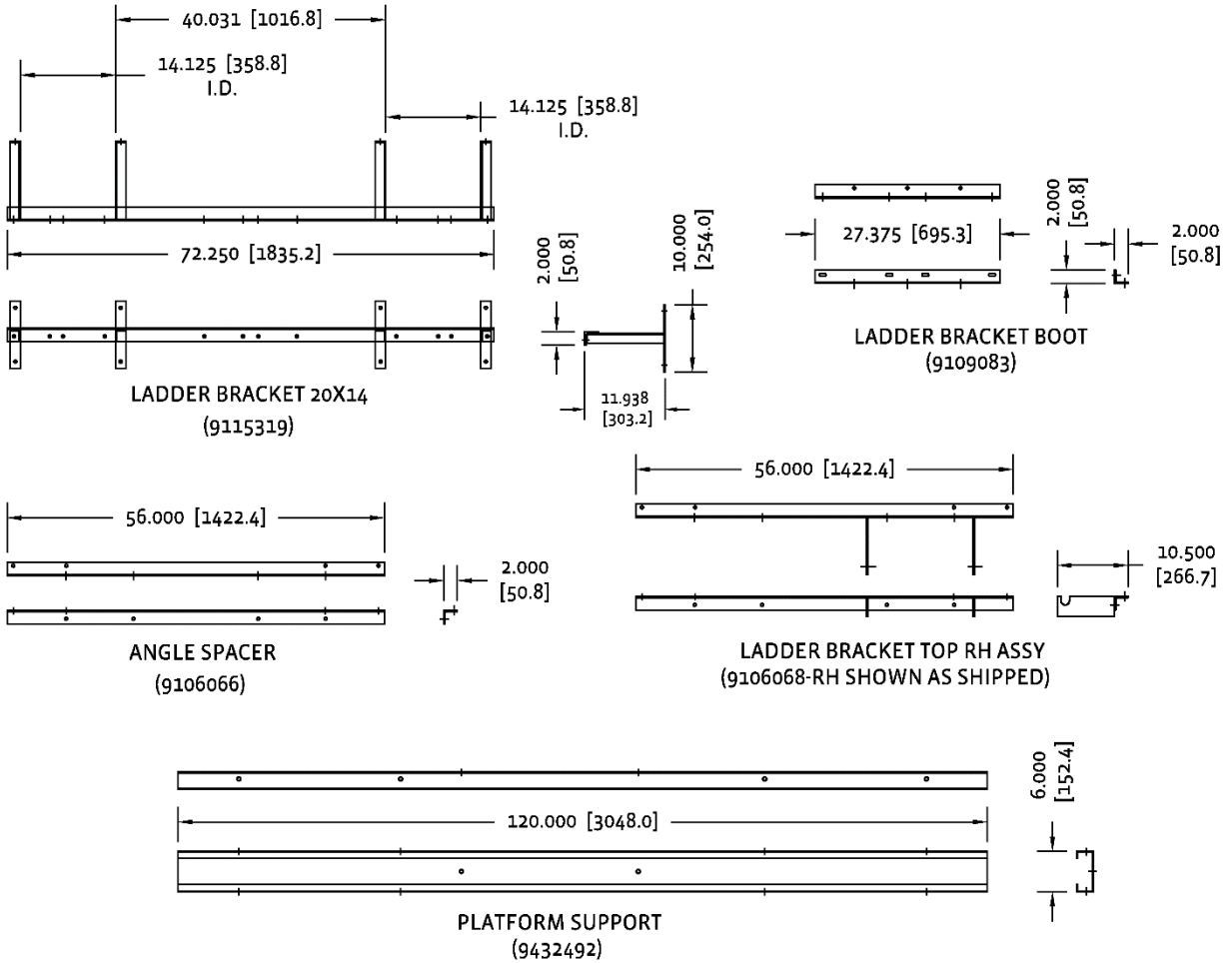
CBEG36W



MODEL 36W

Use the following information to identify common parts used during installation.

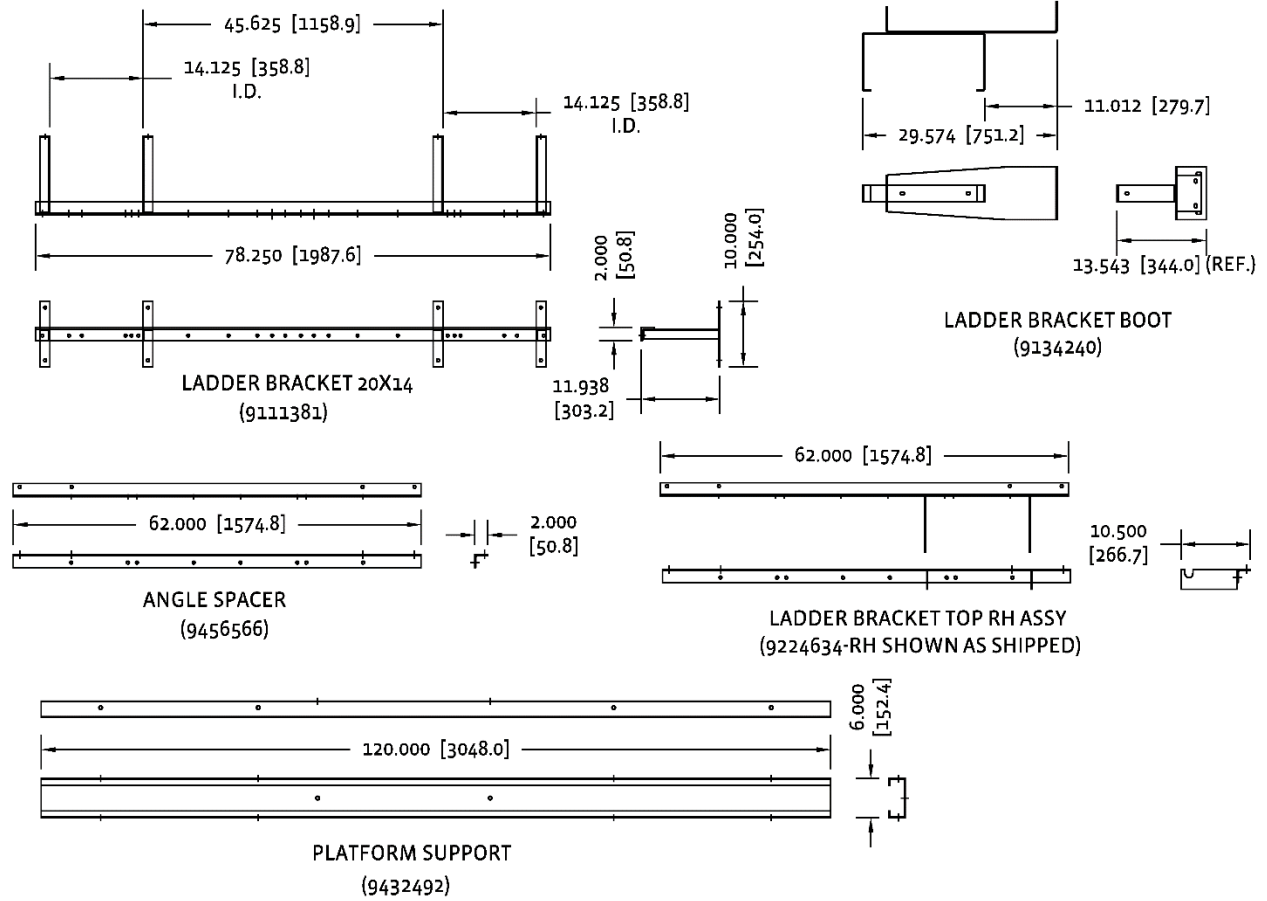
CBEG42



MODEL 42

Use the following information to identify common parts used during installation.

CBEG48



MODEL 48

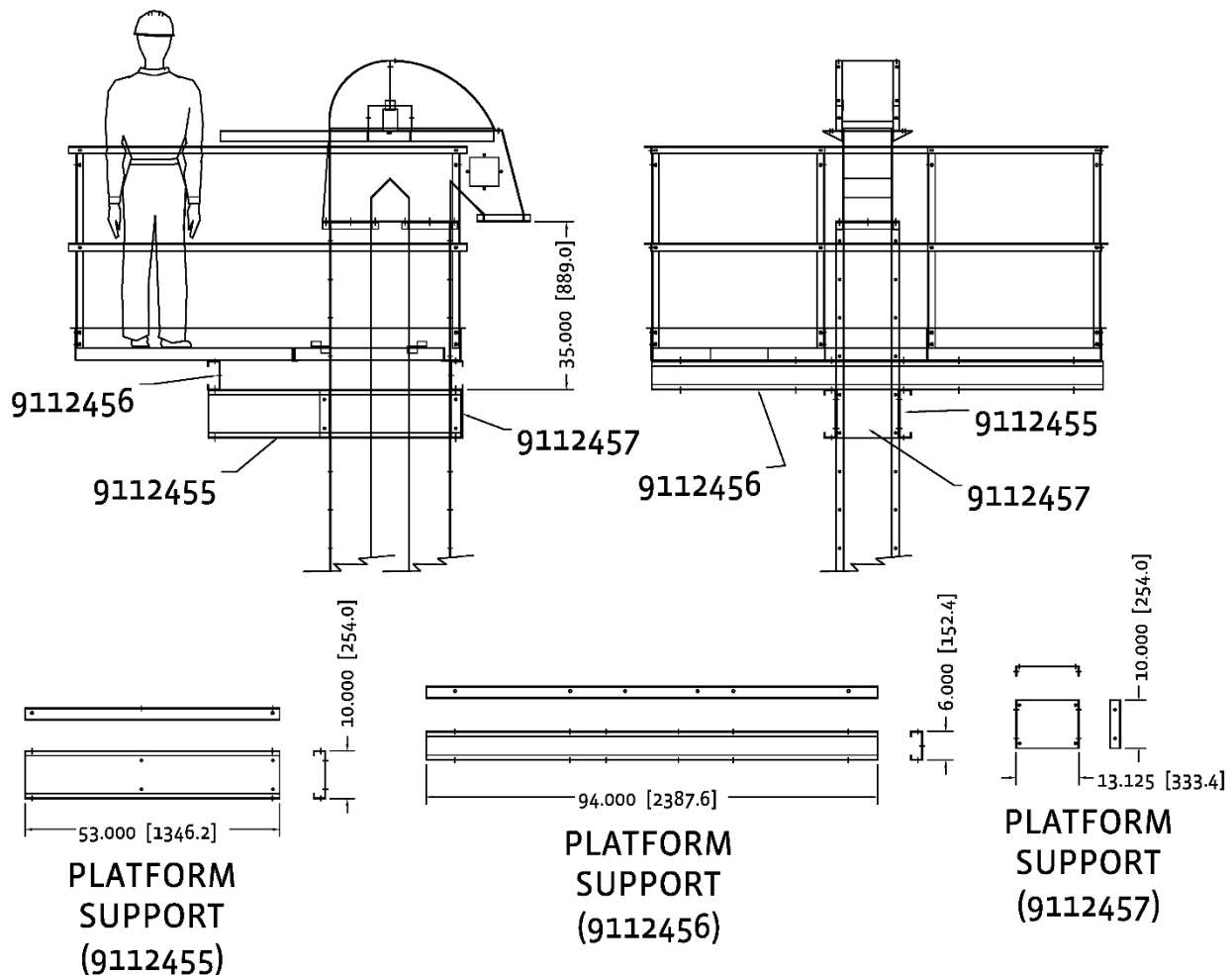
Head Service Platform Installation

Refer to the detailed assembly drawings provided with shipment. The following information will assist with installation.

CBEG10 Mounting

The upper surface of 53" long and the 13" long support channels need to be 35" below the head/leg connection flange. Refer to drawing for correct orientation of support channels to elevator leg and head sections.

Bolt each 13" long support channel to the face of the bolted flange leg section. Bolt each 53" long support channel to the 13" long support. Bolt each 94" long support channel perpendicular to and on top of the 53" support beams. One floor channel will be located along the front side of the down leg trunk while the other will be located at the opposite end of the 53" channel.

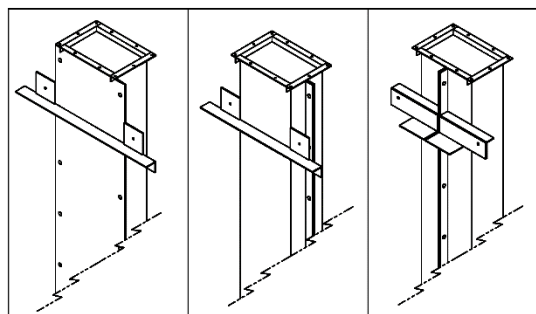
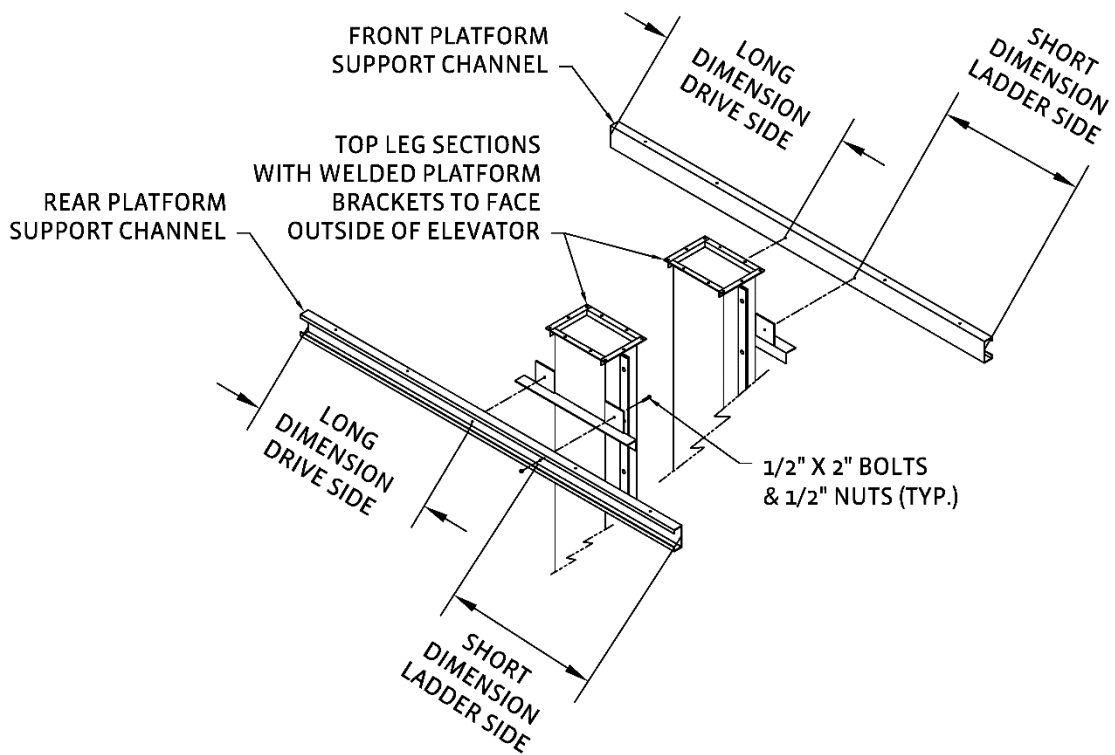


MODEL 10

CBEG16, CBEG24W, CBEG36, CBEG36W Mounting

Your bucket elevator comes with head service platform mounting brackets welded to the top two leg sections on Models CBEG16 thru CBEG36W.

Bolt the front and rear platform support channels to the top leg sections on models CBE16 thru CBE36W as shown in the following illustrations. Next proceed to bolt the head service platform floor sections to the support channels.



8.5X10
13X10
TRUNKING

16X10
16X14
TRUNKING

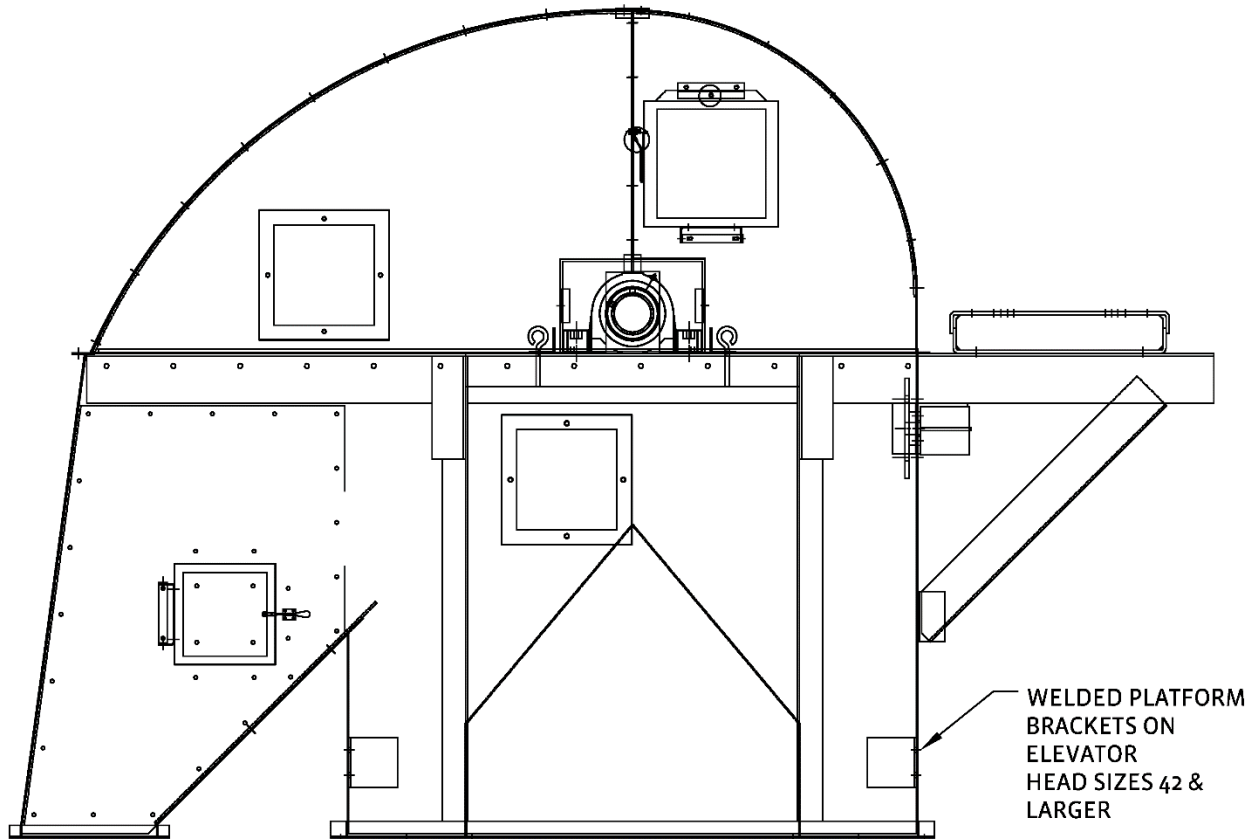
20X14
TRUNKING

MODEL 16,24W,36,36W

CBEG42, CBEG48 Mounting

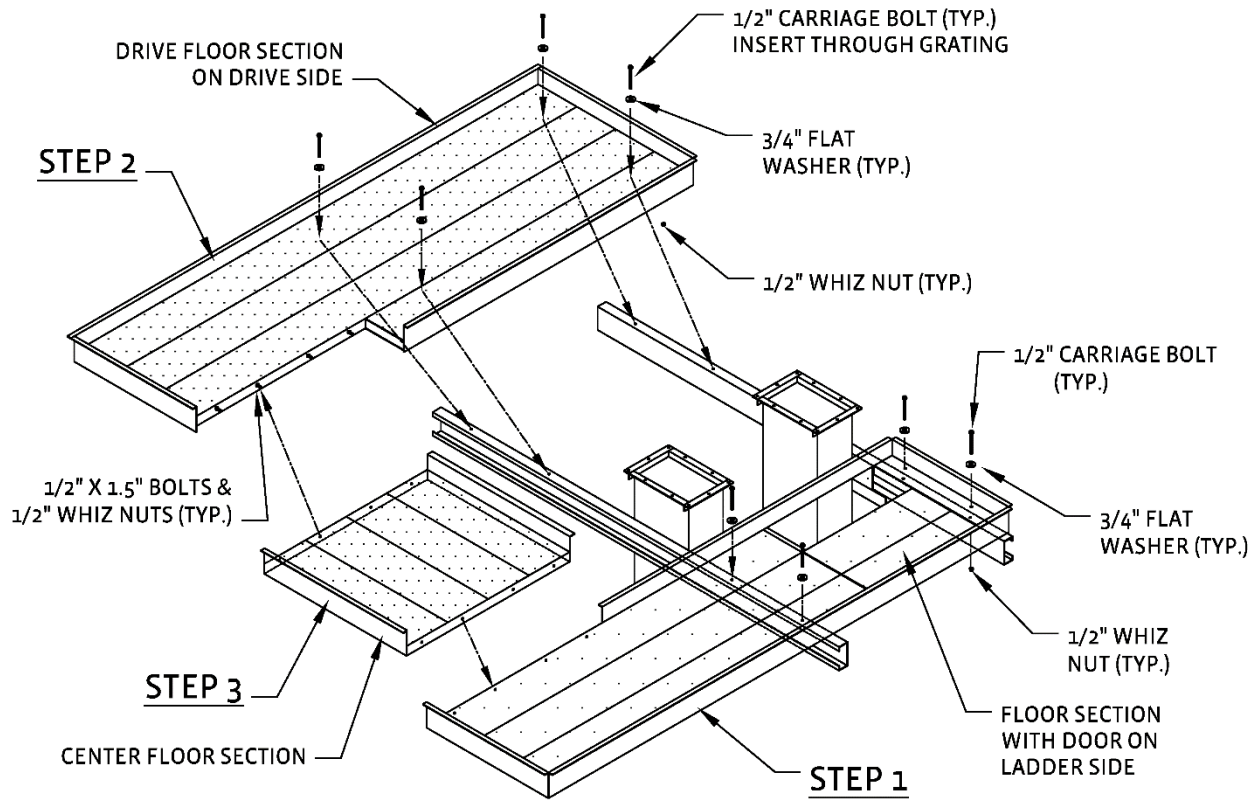
Head service platform mounting brackets are welded to the head section on Models CBEG42 thru CBEG48.

MODEL 42 & 48



Platform Installation

Locate and attach the front and rear platform support channels to the top leg sections shown in the following illustrations. Next proceed to bolt the head service platform floor sections to the support channels. Do not tighten the bolts until all floor sections are in place.

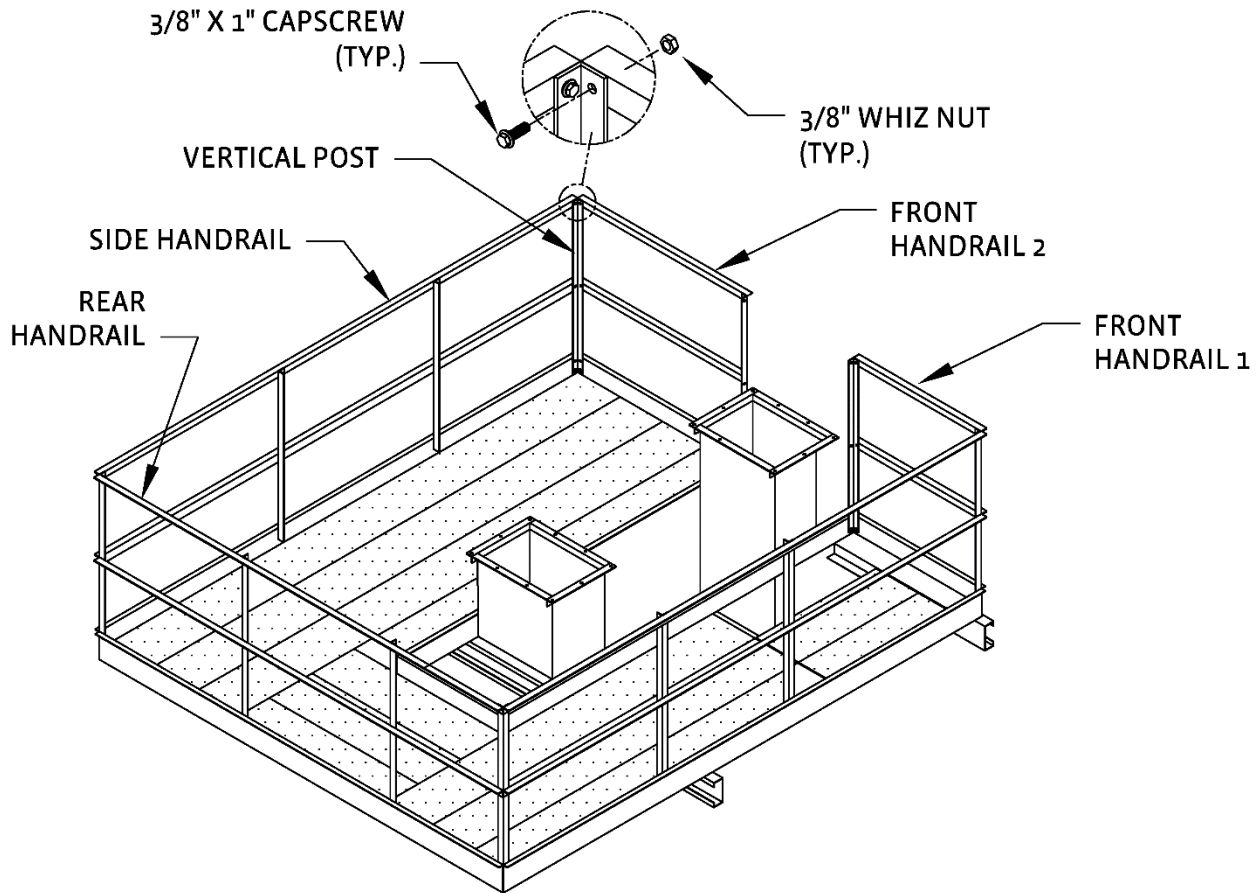


Important Note: Verify the outside edge of the drive floor section is even with the outside support channel edge.

Attach handrail posts and handrails to head service platform as shown in the following illustration. Refer to the following chart for handrail lengths specific to your bucket elevator model.

When the head service platform complete and square, tighten the 1/2" x 4" (1.27cm x 10.16cm) bolts to secure the platform.

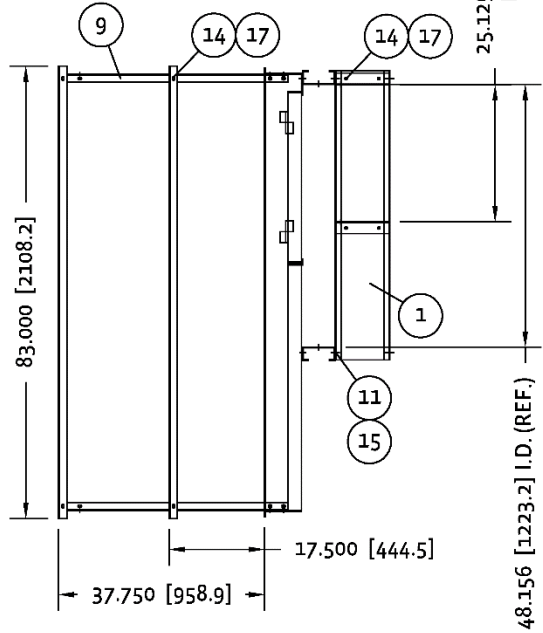
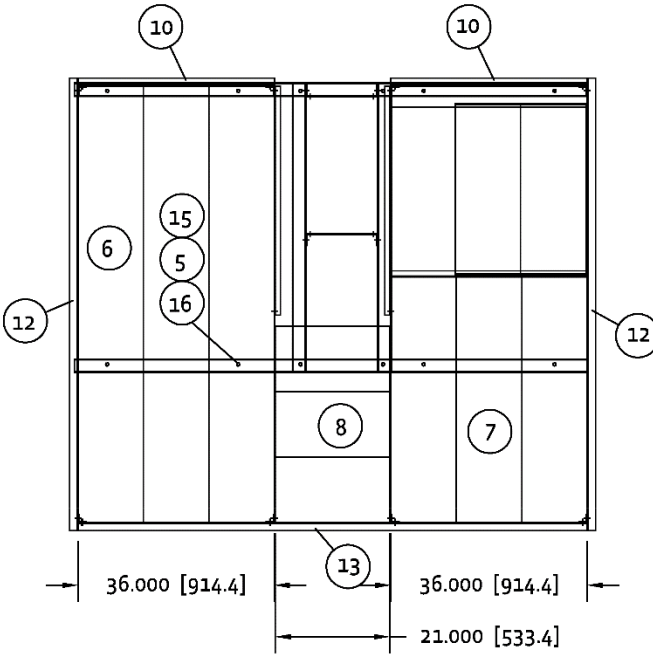
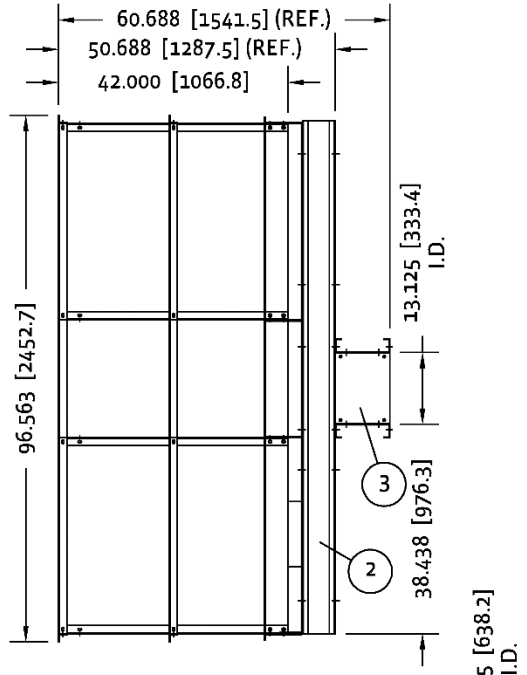
Important Note: Do not over torque hardware as damage to platform walking surface may occur.



| Model | Rear | Side | Front #1 | Front #2 | Vertical Posts |
|----------------|--------------|--------------|-------------|-------------|----------------|
| CBEG10 | 94" (Qty=2) | 83" (Qty=4) | 36" (Qty=2) | 36" (Qty=2) | 42" (Qty=8) |
| CBEG16 | 96" (Qty=2) | 84" (Qty=4) | 33" (Qty=2) | 36" (Qty=2) | 42" (Qty=8) |
| CBEG24W | 102" (Qty=2) | 102" (Qty=4) | 33" (Qty=2) | 39" (Qty=2) | 42" (Qty=10) |
| CBEG30 | 102" (Qty=2) | 105" (Qty=4) | 33" (Qty=2) | 39" (Qty=2) | 42" (Qty=10) |
| CBEG36 | 102" (Qty=2) | 123" (Qty=4) | 33" (Qty=2) | 39" (Qty=2) | 42" (Qty=10) |
| CBEG36W | 114" (Qty=2) | 123" (Qty=4) | 36" (Qty=4) | 42" (Qty=2) | 42" (Qty=10) |
| CBEG42 | 114" (Qty=2) | 138" (Qty=4) | 36" (Qty=2) | 48" (Qty=2) | 42" (Qty=12) |
| CBEG48 | 114" (Qty=2) | 138" (Qty=4) | 36" (Qty=2) | 48" (Qty=2) | 42" (Qty=12) |

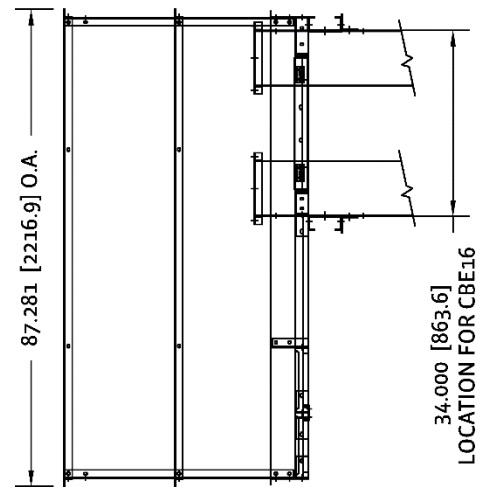
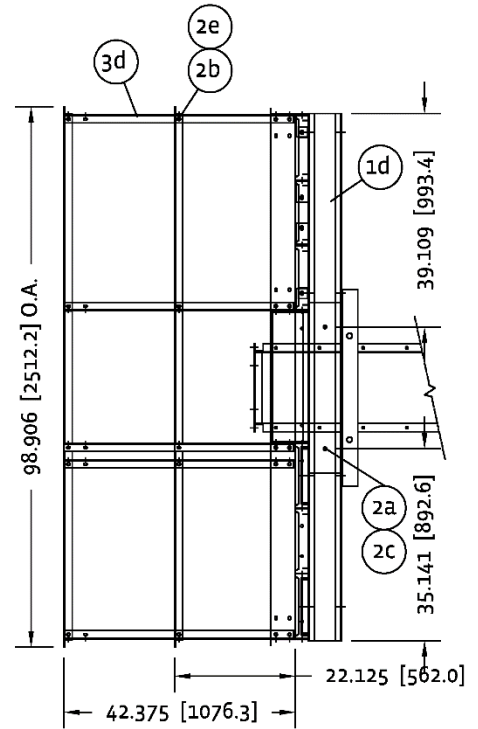
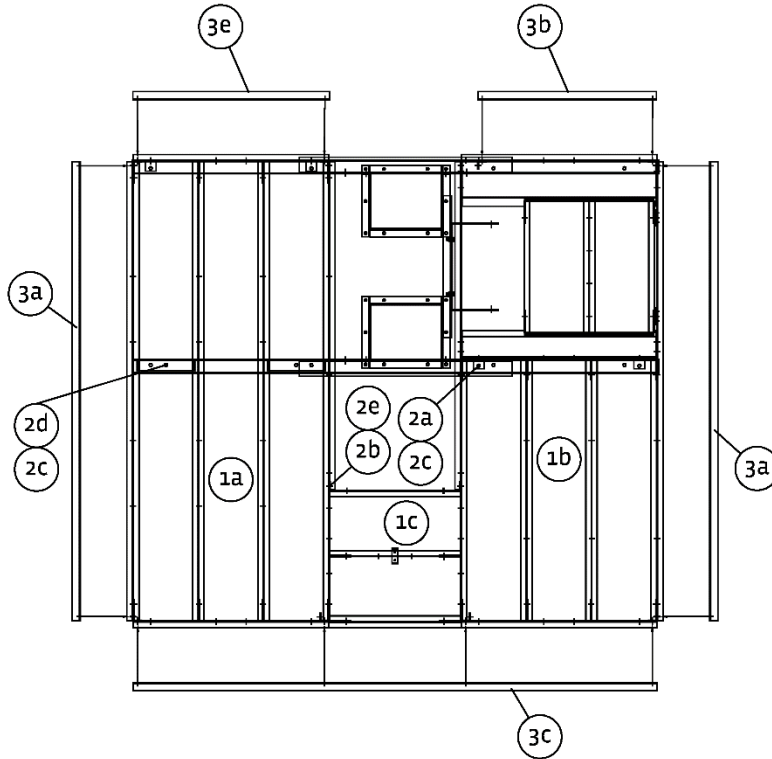
HEAD SERVICE PLATFORM (9112453)
CBE10 ASSEMBLY

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 2 | 9112455 | PLATFORM SPPT CBE10 053 BLTFLG |
| 2 | 2 | 9112456 | PLATFORM SPPT CBE10 094 BLTFLG |
| 3 | 2 | 9112457 | PLATFORM SPPT CBE10 013 BLTFLG |
| 4 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |
| 5 | 8 | 9235283 | WASHER, REST PLATFORM |
| 6 | 1 | 9447607 | PLATFORM E10 DRIVE SIDE WLDM |
| 7 | 1 | 9447615 | PLATFORM E10 DOOR SIDE WLDM |
| 8 | 1 | 9447623 | PLATFORM E10 CENTER WLDM |
| 9 | 8 | 9464412 | POST HAND RAIL X 42" |
| 10 | 4 | 9464610 | RAIL HAND X 036" |
| 11 | 8 | 464842 | BOLT,HHCS,1/2-13X1.50,GR5,PLTD |
| 12 | 4 | 9467332 | RAIL HAND X 083" |
| 13 | 2 | 9467340 | RAIL HAND X 094" |
| 14 | 90 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 15 | 16 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 16 | 8 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 17 | 90 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |



HEAD SERVICE PLATFORM (9114632)
CBE16 ASSEMBLY

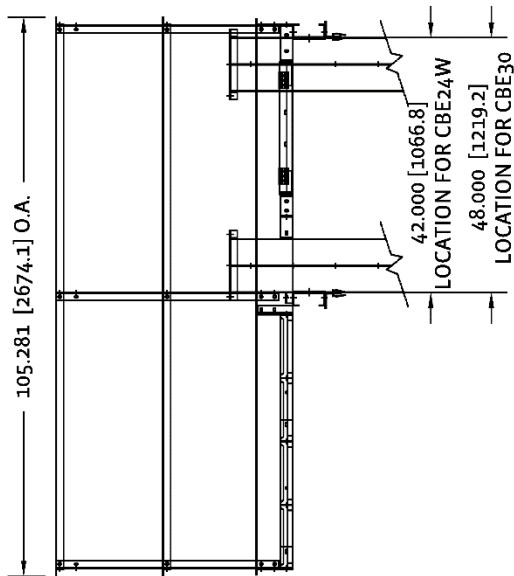
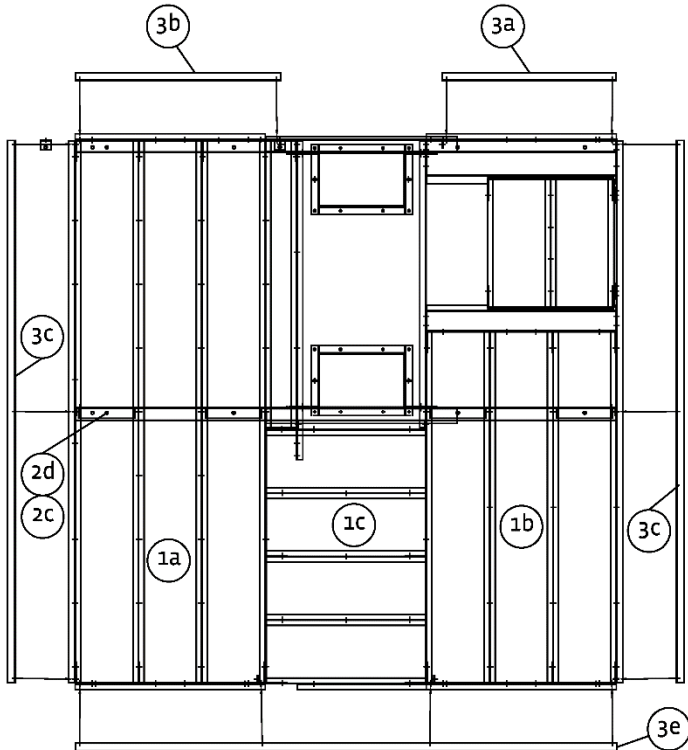
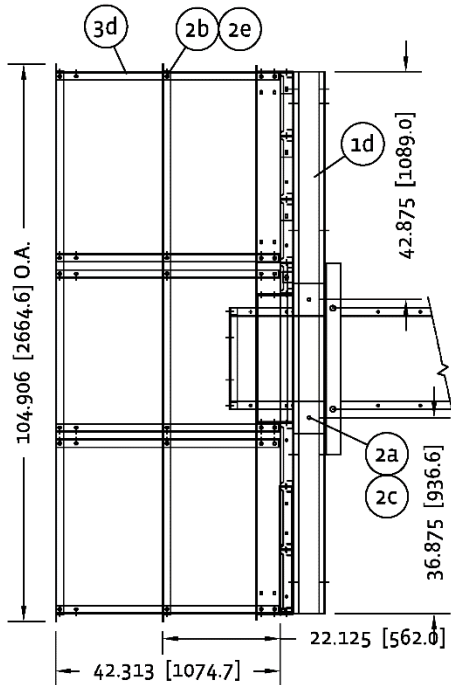
| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|---------------------------------|
| 1 | 1 | 9114624 | PLATFORM CBE16 HSP PLANK ASSY |
| 1a | 1 | 9114624 | DRIVE SIDE PLATFORM ASSY |
| 1b | 1 | 9114624 | DOOR SIDE PLATFORM ASSY |
| 1c | 1 | 9114624 | PLATFORM CENTER SECTION |
| 1d | 2 | 9114640 | PLATFORM SPPT CBE1624 BOLTED |
| 2 | 1 | 9114655 | HDWR PKG CBE101624 HDSRVCPLTRM |
| 2a | 10 | 464842 | BOLT,HHCS,1/2-13X1.50,GR5,PLTD |
| 2b | 90 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 2c | 18 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 2d | 8 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 2e | 90 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |
| 3 | 1 | 9114656 | KIT PLATFORM CBE1624 HSP 1.5ANG |
| 3a | 4 | 9104093 | RAIL HAND X 084" |
| 3b | 2 | 9114639 | RAIL HAND X 032.75" E1624HSPBLT |
| 3c | 2 | 9114641 | RAIL HAND X 096" CBE1624 BLTD |
| 3d | 8 | 9464412 | POST HAND RAIL X 42" |
| 3e | 2 | 9464610 | RAIL HAND X 036" |



BUCKET ELEVATORS

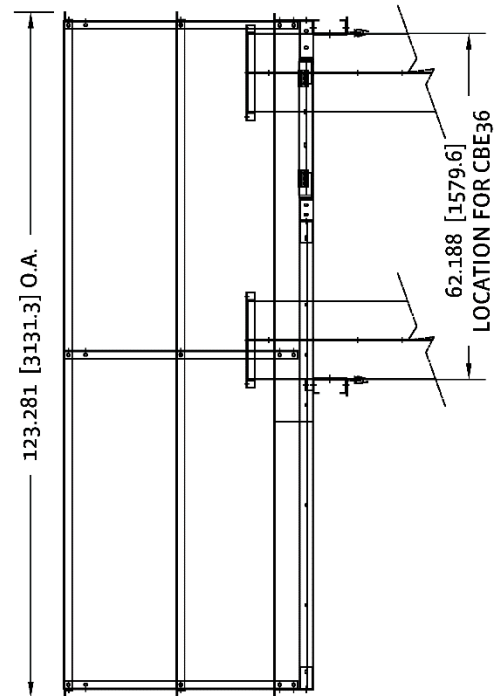
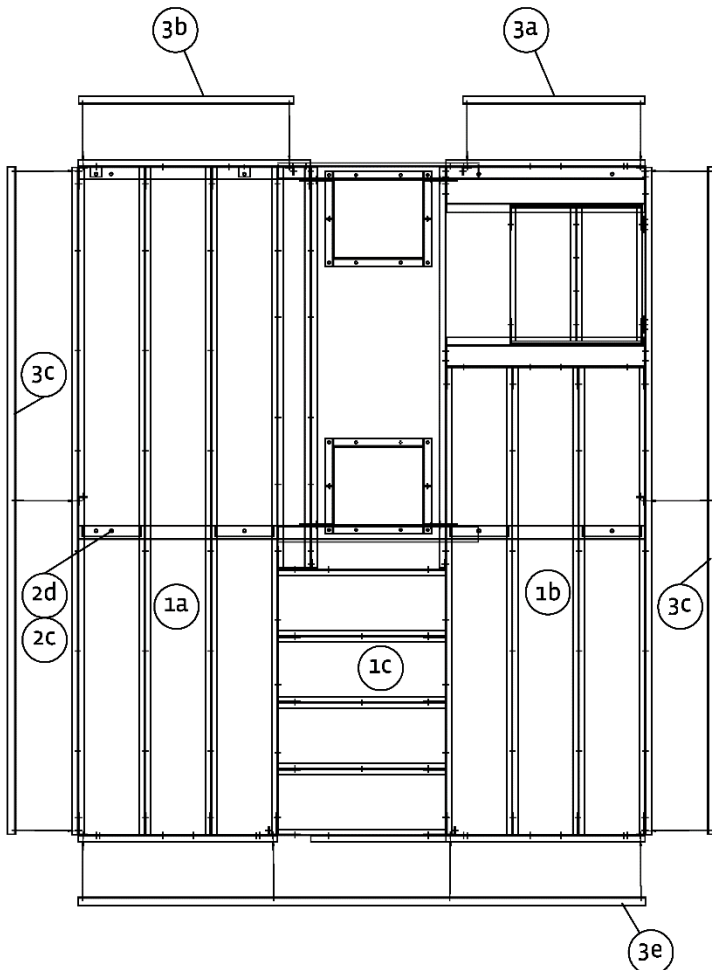
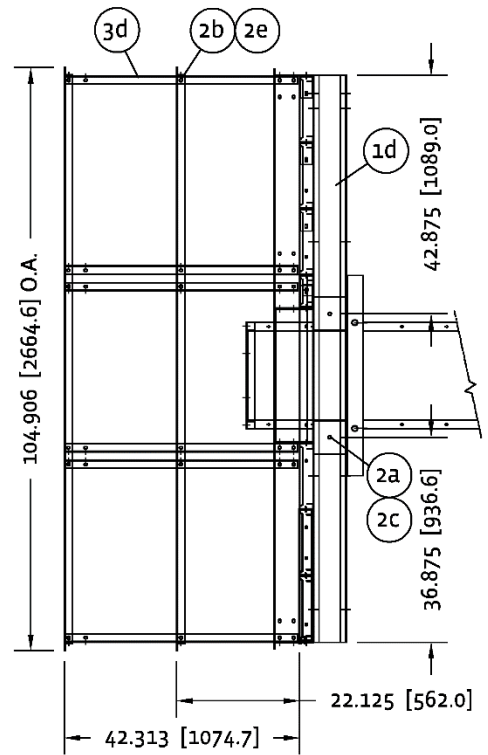
HEAD SERVICE PLATFORM (9117353)
CBE24W/30 ASSEMBLY

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-----------------------------------|
| 1 | 1 | 9117354 | PLATFORM CBE24W/30 HSP PLANK ASY |
| 1a | 1 | 9117354 | DRIVE SIDE PLATFORM ASSY |
| 1b | 1 | 9117354 | DOOR SIDE PLATFORM ASSY |
| 1c | 1 | 9117354 | PLATFORM CENTER SECTION |
| 1d | 2 | 9117370 | PLATFORM SPPT CBE1624 BOLTED |
| 2 | 1 | 9117358 | HDWR PKG CBE24W/30 HDSRVCPLTRM |
| 2a | 10 | 464842 | BOLT,HHCS,1/2-13X1.50,GR5,PLTD |
| 2b | 94 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 2c | 18 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 2d | 8 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 2e | 94 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |
| 3 | 1 | 9117359 | KIT PLATFORM CBE24W/30 HSP 1.5ANG |
| 3a | 2 | 9114639 | RAIL HAND X 032.75" E162430HSPBLT |
| 3b | 2 | 9117371 | RAIL HAND X 038.625" E24W30HSPBLT |
| 3c | 4 | 9117373 | RAIL HAND X 102" CBE24W/30 BLTD |
| 3d | 10 | 9464412 | POST HAND RAIL X 42" |
| 3e | 2 | 9464628 | RAIL HAND X 102" |



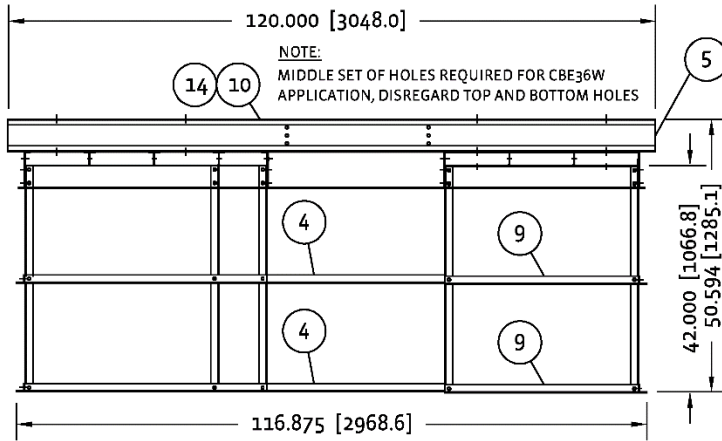
HEAD SERVICE PLATFORM (9117374)
CBE36 ASSEMBLY

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-----------------------------------|
| 1 | 1 | 9117375 | PLATFORM CBE36 HSP PLANK ASSY |
| 1a | 1 | 9117375 | DRIVE SIDE PLATFORM ASSY |
| 1b | 1 | 9117375 | DOOR SIDE PLATFORM ASSY |
| 1c | 1 | 9117375 | PLATFORM CENTER SECTION |
| 1d | 2 | 9117370 | PLATFORM SPPT CBE1624 BOLTED |
| 2 | 1 | 9117376 | HDWR PKG CBE36 HDSRVCPLTFRM |
| 2a | 10 | 464842 | BOLT,HHCS,1/2-13X1.50,GR5,PLTD |
| 2b | 94 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 2c | 18 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 2d | 8 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 2e | 94 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |
| 3 | 1 | 9117377 | KIT PLATFORM CBE36 HSP 1.5ANG |
| 3a | 2 | 9114639 | RAIL HAND X 032.75" E162430HSPBLT |
| 3b | 2 | 9117371 | RAIL HAND X 038.625" E24W30HSPBLT |
| 3c | 4 | 9117384 | RAIL HAND X 120" CBE36 BLTD |
| 3d | 10 | 9464412 | POST HAND RAIL X 42" |
| 3e | 2 | 9464628 | RAIL HAND X 102" |

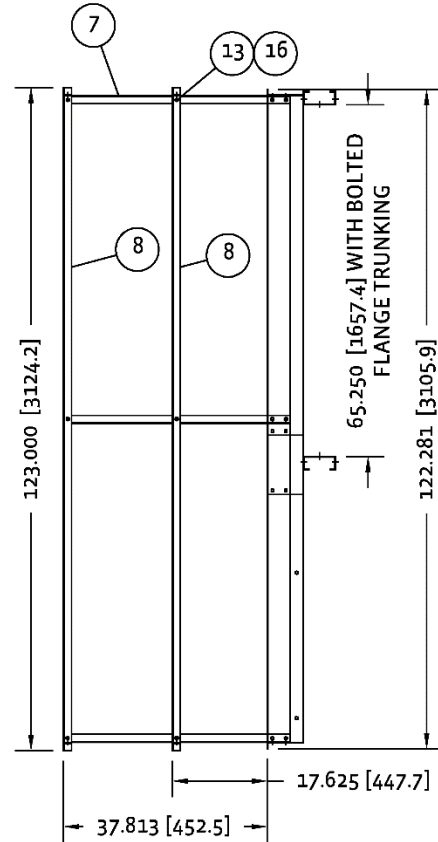
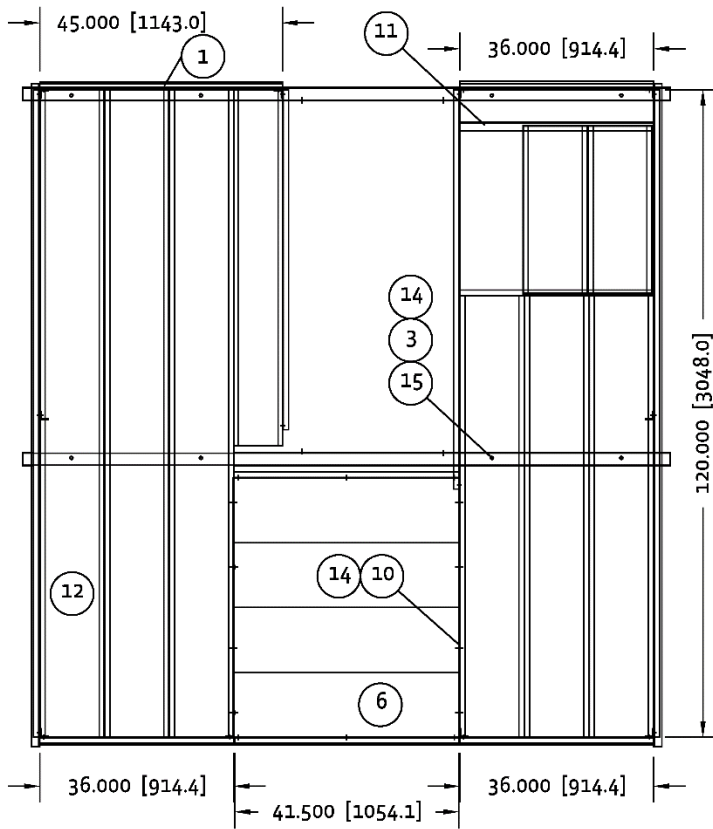


BUCKET ELEVATORS

HEAD SERVICE PLATFORM (9733766) CBE36W ASSEMBLY



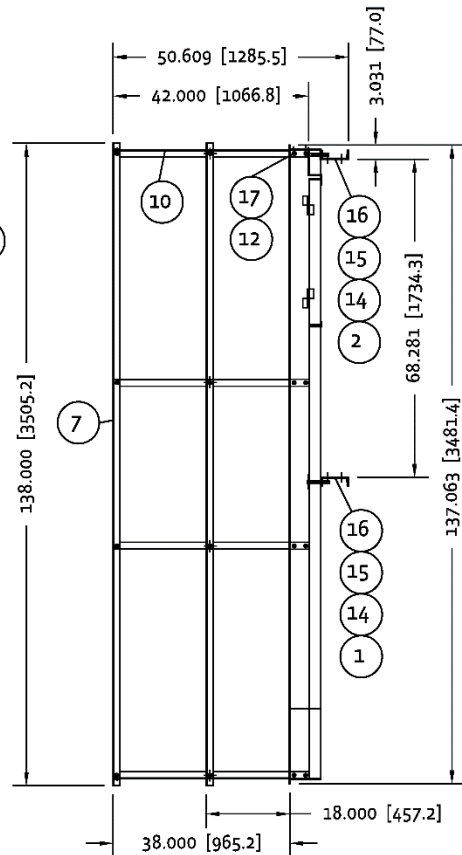
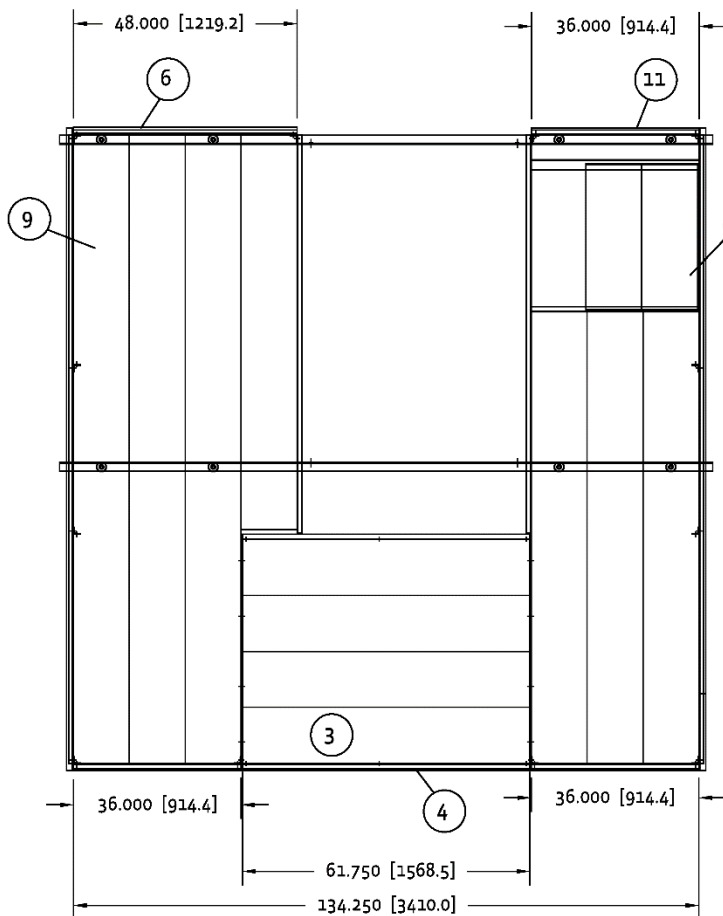
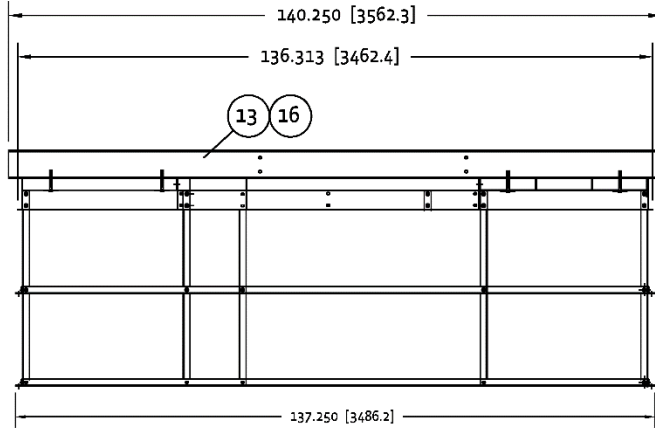
| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|--|
| 1 | 2 | 103138 | RAIL HAND X 042" |
| 2 | 1 | 200295 | MANUAL, LADDER/PTF, E303648, 1147C, AG |
| 3 | 8 | 235283 | WASHER, REST PLATFORM |
| 4 | 2 | 432393 | RAIL HAND X 114" |
| 5 | 2 | 432492 | PLATFORM SPPT CBE36W/42/48 120 |
| 6 | 1 | 432526 | PLATFORM E48 CENTER |
| 7 | 10 | 464412 | POST HAND RAIL X 42" |
| 8 | 4 | 464602 | RAIL HAND X 123" |
| 9 | 2 | 464610 | RAIL HAND X 036" |
| 10 | 8 | 464842 | BOLT, HHCS, 1/2-13X1.50, GR5, PLTD |
| 11 | 1 | 476390 | PLATFORM CBE36 DOOR SIDE WLDM |
| 12 | 1 | 476408 | PLATFORM CBE36 DRIVE SIDE |
| 13 | 85 | 707976 | BOLT, HHCS, 3/8-16X1.0, GR5, PLTD |
| 14 | 16 | 773812 | NUT, 1/2-13, HEX-WHIZFLNG, PLTD |
| 15 | 8 | 773820 | BOLT, HHCS, 1/2-13X4.0, GR5, PLTD |
| 16 | 85 | 785907 | NUT, 3/8-16, HEX-WHIZFLNG, PLTD |



BUCKET ELEVATORS

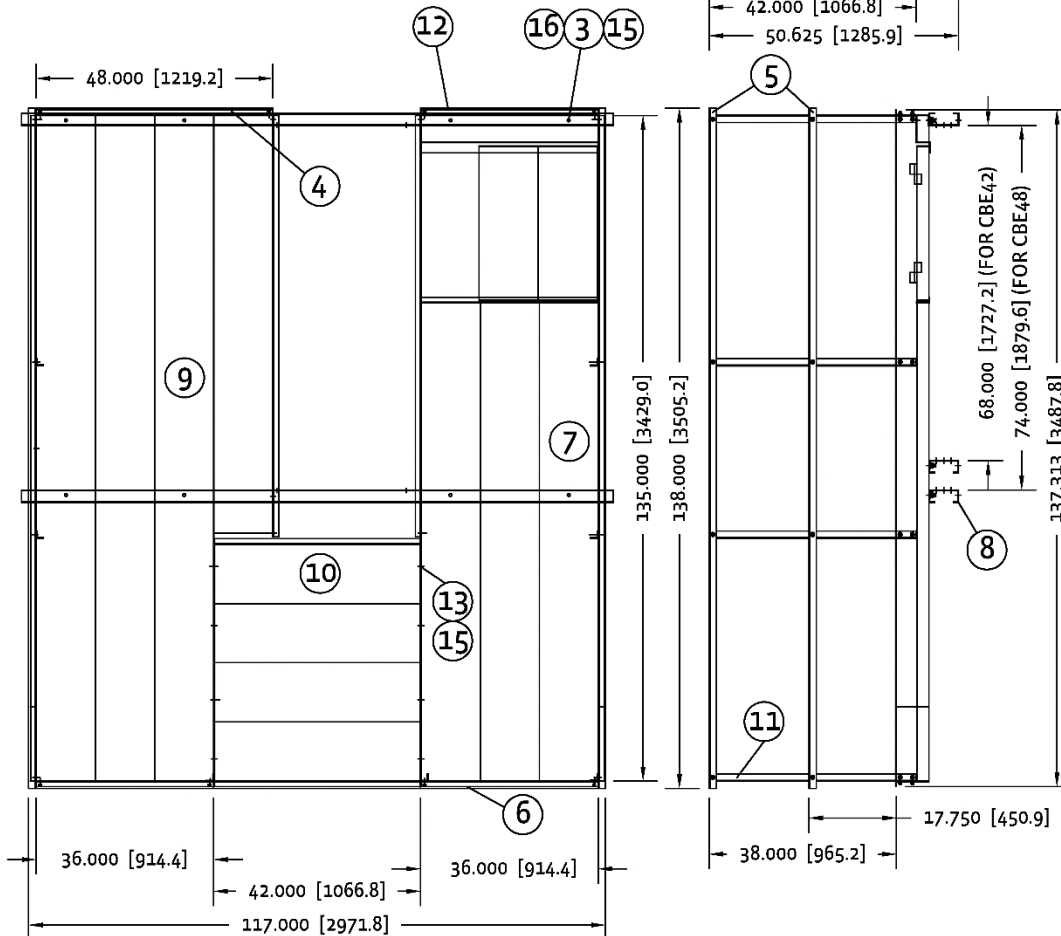
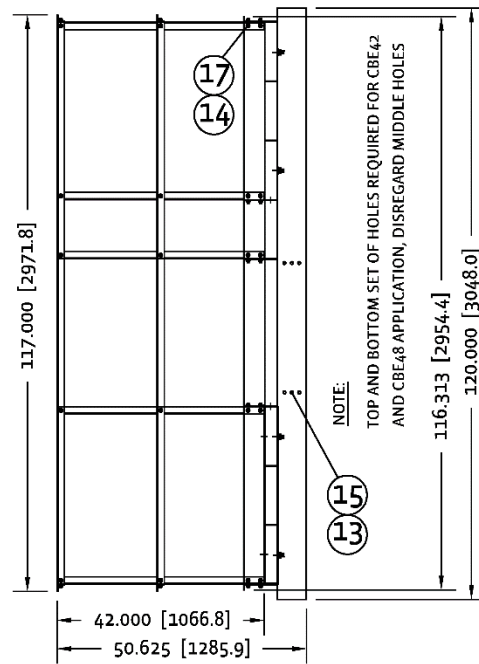
HEAD SERVICE PLATFORM (9117609) CBE42-20 LH ASSEMBLY

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 1 | 9114897 | PLATFORM SPPT CBE42-20 140FRTP |
| 2 | 1 | 9114898 | PLATFORM SPPT CBE42-20 140BCKPT |
| 3 | 1 | 9114899 | PLATFORM CBE42-20 CENTER WLDM |
| 4 | 2 | 9114900 | RAIL HAND X 134.25" CBE42-20 |
| 5 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |
| 6 | 2 | 9284703 | RAIL HAND X 048" |
| 7 | 4 | 9432385 | RAIL HAND X 138" |
| 8 | 1 | 9432419 | PLATFORM E48 DOOR SIDE WLDM |
| 9 | 1 | 9432518 | PLATFORM E48 DRIVE SIDE WLDM |
| 10 | 12 | 9464412 | POST HAND RAIL X 42" |
| 11 | 2 | 9464610 | RAIL HAND X 036" |
| 12 | 85 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 13 | 16 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 14 | 8 | 708049 | BOLT,CB,1/2-13X4.0,PLTD |
| 15 | 8 | 753269 | WASHER,FLAT,3/4X2.00X.148 |
| 16 | 24 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 17 | 85 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |



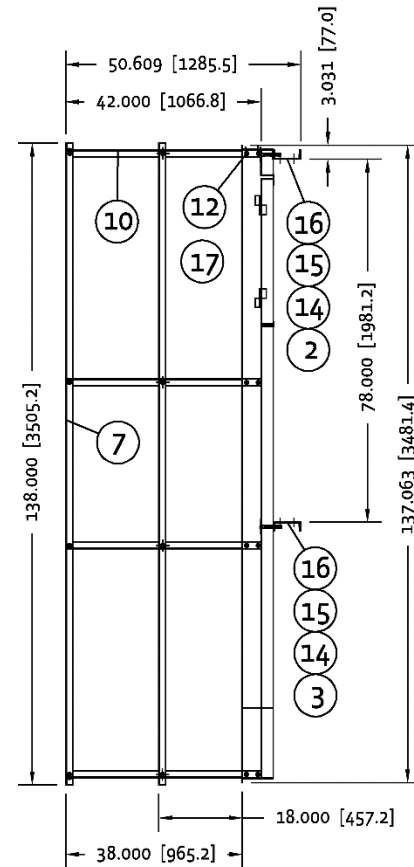
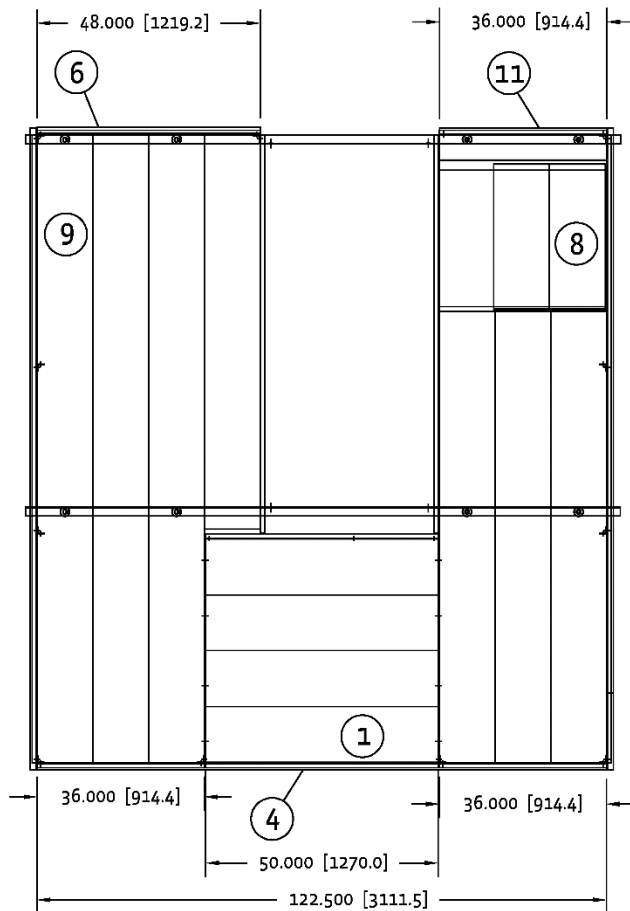
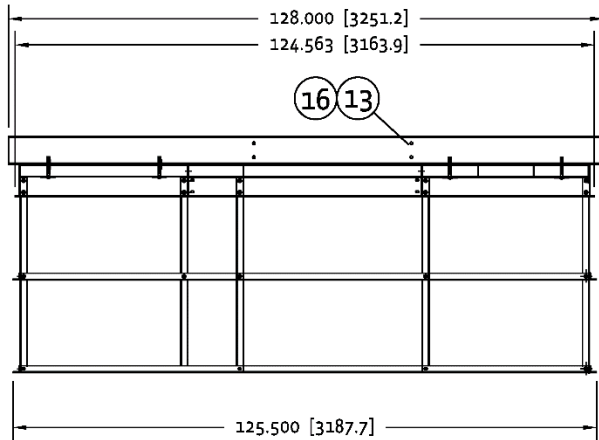
HEAD SERVICE PLATFORM (9430389)
CBE42/48 ASSEMBLY

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | | | |
| 2 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |
| 3 | 8 | 9235283 | WASHER, REST PLATFORM |
| 4 | 2 | 9284703 | RAIL HAND X 048" |
| 5 | 4 | 9432385 | RAIL HAND X 138" |
| 6 | 2 | 9432393 | RAIL HAND X 114" |
| 7 | 1 | 9432419 | PLATFORM E48 DOOR SIDE WLDM |
| 8 | 2 | 9432492 | PLATFORM SPPT CBE36W/42/48 120 |
| 9 | 1 | 9432518 | PLATFORM E48 DRIVE SIDE WLDM |
| 10 | 1 | 9432526 | PLATFORM E48 CENTER |
| 11 | 12 | 9464412 | POST HAND RAIL X 42" |
| 12 | 2 | 9464610 | RAIL HAND X 036" |
| 13 | 16 | 464842 | BOLT,HHCS,1/2-13X1.50,GR5,PLTD |
| 14 | 85 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 15 | 24 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 16 | 8 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 17 | 85 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |

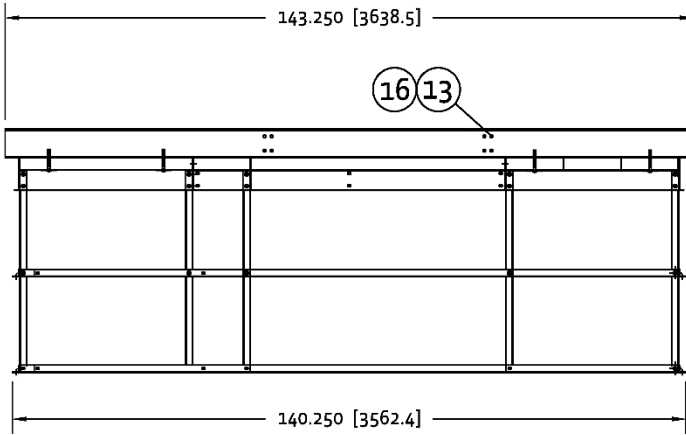


HEAD SERVICE PLATFORM (9178044)
CBE48-20 ASSEMBLY

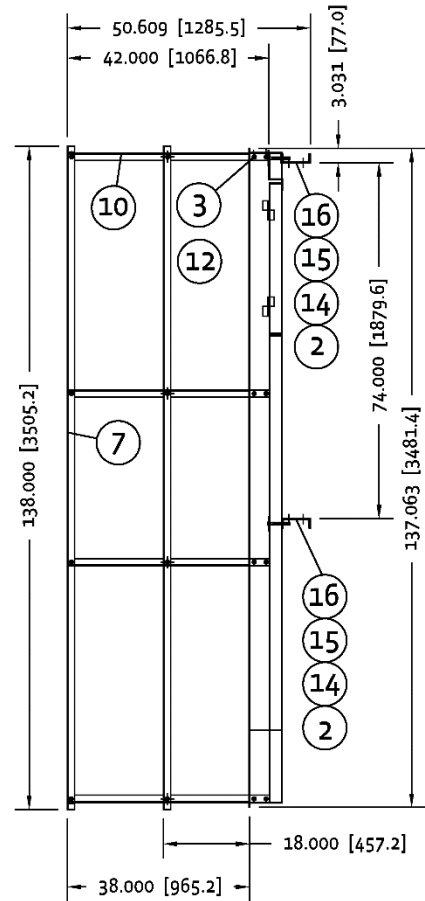
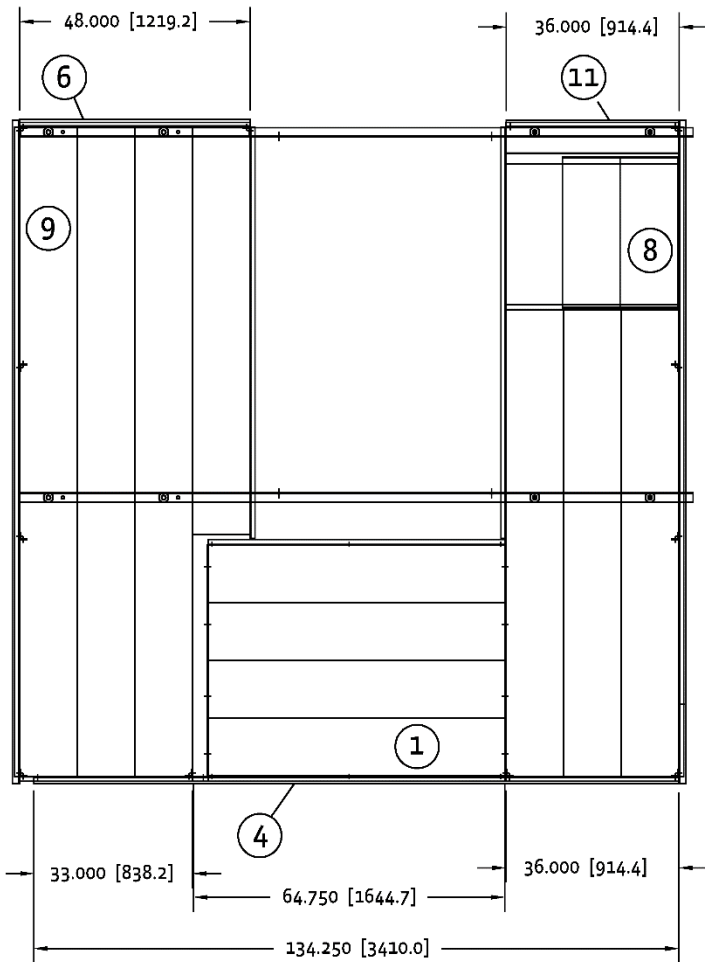
| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 1 | 9178773 | PLATFORM CBE48-20 CENTER WLDM |
| 2 | 1 | 9178802 | PLATFORM SPPT CBE48-20 128FRTPNT |
| 3 | 1 | 9178829 | PLATFORM SPPT CBE48-20 128BCKPNT |
| 4 | 2 | 9178845 | RAIL HAND X 122.5" |
| 5 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |
| 6 | 2 | 9284703 | RAIL HAND X 048" |
| 7 | 4 | 9432385 | RAIL HAND X 138" |
| 8 | 1 | 9432419 | PLATFORM E48 DOOR SIDE WLDM |
| 9 | 1 | 9432518 | PLATFORM E48 DRIVE SIDE WLDM |
| 10 | 12 | 9464412 | POST HAND RAIL X 42" |
| 11 | 2 | 9464610 | RAIL HAND X 036" |
| 12 | 85 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 13 | 16 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 14 | 8 | 708049 | BOLT,CB,1/2-13X4.0,PLTD |
| 15 | 8 | 753269 | WASHER,FLAT,3/4X2.00X.148 |
| 16 | 24 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 17 | 85 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |



HEAD SERVICE PLATFORM (9140441)
CBE48-30 ASSEMBLY



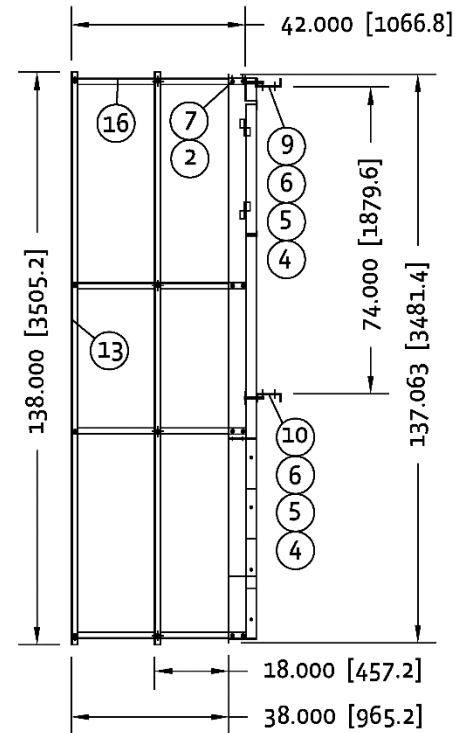
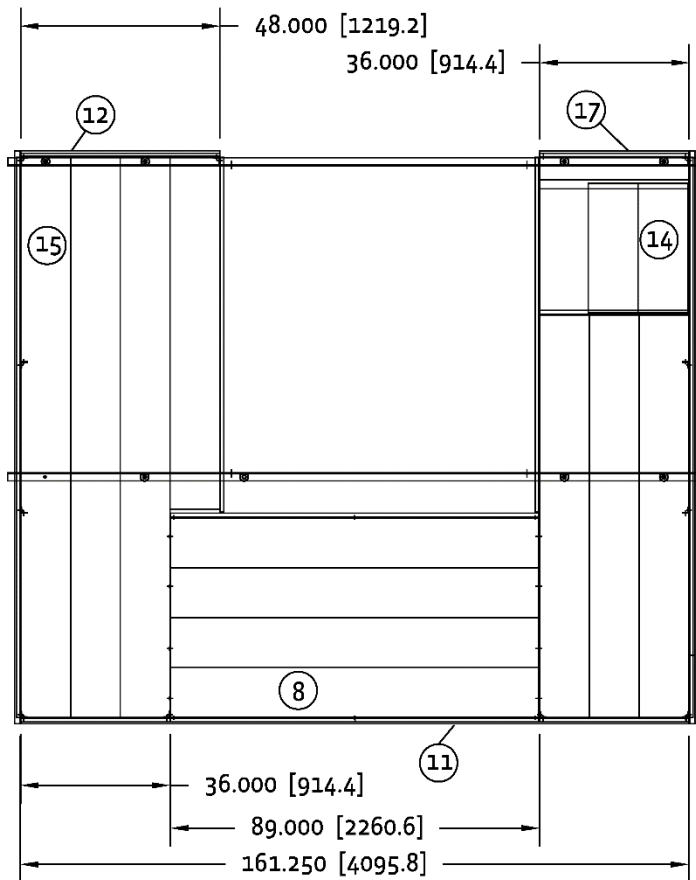
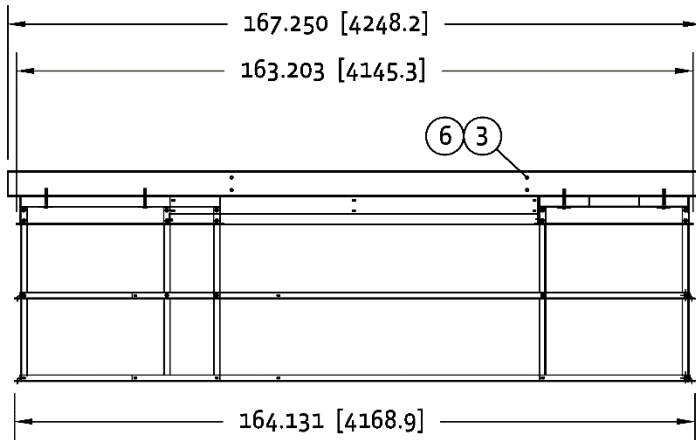
| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 1 | 9140450 | PLATFORM CBE48-30 CENTER WLDM |
| 2 | 1 | 9140468 | PLATFORM SPPT CBE48-30 138 |
| 3 | 85 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |
| 4 | 2 | 9140484 | RAIL HAND X 137.25" |
| 5 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |
| 6 | 2 | 9284703 | RAIL HAND X 048" |
| 7 | 4 | 9432385 | RAIL HAND X 138" |
| 8 | 1 | 9432419 | PLATFORM E48 DOOR SIDE WLDM |
| 9 | 1 | 9432518 | PLATFORM E48 DRIVE SIDE WLDM |
| 10 | 12 | 9464412 | POST HAND RAIL X 42" |
| 11 | 2 | 9464610 | RAIL HAND X 036" |
| 12 | 85 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 13 | 16 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 14 | 8 | 708049 | BOLT,CB,1/2-13X4.0,PLTD |
| 15 | 8 | 753269 | WASHER,FLAT,3/4,X2.00X.148 |
| 16 | 24 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |



BUCKET ELEVATORS

HEAD SERVICE PLATFORM (9117535) CBE48-50 ASSEMBLY

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 1 | 200295 | MANUAL,LADDER/PTF,E303648,#1147C,AG |
| 2 | 85 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 3 | 16 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 4 | 8 | 708049 | BOLT,CB,1/2-13X4.0,PLTD |
| 5 | 8 | 753269 | WASHER,FLAT,3/4X2.00X.148 |
| 6 | 24 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 7 | 85 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |
| 8 | 1 | 9117223 | PLATFORM CBE48-50 CENTER WLDM |
| 9 | 1 | 9117227 | PLATFORM SPPT CBE48-50 167 FRTPT |
| 10 | 1 | 9117228 | PLATFORM SPPT CBE48-50 167 BCKPT |
| 11 | 2 | 9117229 | RAIL HAND X 161.25" |
| 12 | 2 | 9284703 | RAIL HAND X 048" |
| 13 | 4 | 9432385 | RAIL HAND X 138" |
| 14 | 1 | 9432419 | PLATFORM E48 DOOR SIDE WLDM |
| 15 | 1 | 9432518 | PLATFORM E48 DRIVE SIDE WLDM |
| 16 | 13 | 9464412 | POST HAND RAIL X 42" |
| 17 | 2 | 9464610 | RAIL HAND X 036" |



Ladder and Safety Cage Installation

Once the head service platform is in place, begin the ladder, safety cage and rest platform installation. Rest platforms are installed in alternating sequence as described in the following charts.

Refer to the following charts for ladder section requirements and placement specific to your bucket elevator discharge height.

- SP = Service Platform
- RH = Right hand or side platform rest platform
- LH = Left hand or end rest platform
- G = Ground level
- A = Ladder section with access door
- F = Flare cage section

| DH | 50' | | 55' | | 60' | | 65' | | 70' | |
|--------------|--------|------|--------|------|--------|------|--------------|------|--------------|------|
| | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage |
| | SP | SP | SP | SP | SP | SP | SP | SP | SP | SP |
| | 10' | 6' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | RH | RH | 4' | - | 4' | - | 4' | - | 4' | - |
| | 10' | 10' | RH | RH | RH | RH | RH | RH | RH | RH |
| | 10' | 6'F | 10' | 6' | 10' | 10' | 10' | 6' | 10' | 6' |
| | 10'A | - | 10' | 6' | 10' | 6' | 10' | 6'F | 10' | 6'F |
| | G | G | 10'A | 6'F | 4' | 6'F | 4' | - | 4' | - |
| | | | G | G | 10'A | - | LH | LH | LH | LH |
| | | | | | G | G | 10' | 10'F | 10' | 6' |
| | | | | | | | 10'A | - | 4' | 6'F |
| | | | | | | | G | G | 10'A | - |
| | | | | | | | | | G | G |
| | | | | | | | | | | |
| Total | 1 RH | | 1 RH | | 1 RH | | 1 RH 1 LH | | 1 RH 1 LH | |

BUCKET ELEVATORS

| DH | 75' | | 80' | | 85' | | 90' | | 95' | |
|--------------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|
| | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage |
| | SP | SP | SP | SP | SP | SP | SP | SP | SP | SP |
| | 10' | 6' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | RH | RH' | RH | RH | RH | RH | RH | RH | RH | RH |
| | 10' | 6' | 10' | 6' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | LH | LH | LH | LH | 4' | - | 4' | - | 4' | - |
| | 10' | 6' | 10' | 10' | LH | LH | LH | LH | LH | LH |
| | 4' | 6'F | 10' | 6'F | 10' | 6' | 10' | 10' | 10' | 6' |
| | 10'A | - | 10'A | - | 10' | 6' | 10' | 6' | 10' | 6'F |
| | G | G | G | G | 10'A | 6'F | 4' | 6'F | 4' | - |
| | | | | | G | G | 10'A | - | RH | RH |
| | | | | | | | G | G | 10' | 10'F |
| | | | | | | | | | 10'A | - |
| | | | | | | | | | G | G |
| | | | | | | | | | | |
| Total | 1 RH 1 LH | | 1 RH 1 LH | | 1 RH 1 LH | | 1 RH 1 LH | | 2 RH 1 LH | |

BUCKET ELEVATORS

| DH | 100' | | 105' | | 110' | | 115' | | 120' | |
|--------------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|
| | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage |
| | SP | SP | SP | SP | SP | SP | SP | SP | SP | SP |
| | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | RH | RH | RH | RH | RH | RH | RH | RH | RH | RH |
| | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | LH | LH | LH | LH | LH | LH | LH | LH | LH | LH |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 10' | 10' | 10' |
| | 10' | 6'F | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 4' | - | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | RH | RH | RH | RH | RH | RH | 4' | - | 4' | - |
| | 10' | 6' | 10' | 6' | 10' | 10' | RH | RH | RH | RH |
| | 4' | 6'F | 4' | 6'F | 10' | 6'F | 10' | 6' | 10' | 10' |
| | 10'A | - | 10'A | - | 10'A | - | 10' | 6' | 10' | 6' |
| | G | G | G | G | G | G | 10'A | 6'F | 4' | 6'F |
| | | | | | | | G | G | 10'A | - |
| | | | | | | | | | G | G |
| | | | | | | | | | | |
| Total | 2 RH 1 LH | | 2 RH 1 LH | | 2 RH 1 LH | | 2 RH 1 LH | | 2 RH 1 LH | |

BUCKET ELEVATORS

| DH | 125' | | 130' | | 135' | | 140' | | 145' | |
|--------------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|
| | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage |
| | SP | SP | SP | SP | SP | SP | SP | SP | SP | SP |
| | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | RH | RH | RH | RH | RH | RH | RH | RH | RH | RH |
| | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | LH | LH | LH | LH | LH | LH | LH | LH | LH | LH |
| | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | RH | RH | RH | RH | RH | RH | RH | RH | RH | RH |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 10' |
| | 10' | 6'F | 10' | 6'F | 10' | 6' | 10' | 6' | 10' | 6' |
| | 4' | - | 4' | - | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | LH | LH | LH | LH | LH | LH | LH | LH | 4' | - |
| | 10' | 10'F | 10' | 6' | 10' | 6' | 10' | 10' | LH | LH |
| | 10'A | - | 4' | 6'F | 4' | 6'F | 10' | 6'F | 10' | 6' |
| | G | G | 10'A | - | 10'A | - | 10'A | - | 10' | 6' |
| | | | G | G | G | G | G | G | 10'A | 6'F |
| | | | | | | | | | G | G |
| | | | | | | | | | | |
| Total | 2 RH 2 LH | | 2 RH 2 LH | | 2 RH 2 LH | | 2 RH 2 LH | | 2 RH 2 LH | |

BUCKET ELEVATORS

| DH | 150' | | 155' | | 160' | | 165' | | 170' | |
|--------------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|
| | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage | Ladder | Cage |
| | SP | SP | SP | SP | SP | SP | SP | SP | SP | SP |
| | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | RH | RH | RH | RH | RH | RH | RH | RH | RH | RH |
| | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | LH | LH | LH | LH | LH | LH | LH | LH | LH | LH |
| | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | RH | RH | RH | RH | RH | RH | RH | RH | RH | RH |
| | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - | 4' | - | 4' | - | 4' | - |
| | LH | LH | LH | LH | LH | LH | LH | LH | LH | LH |
| | 10' | 10' | 10' | 6' | 10' | 6' | 10' | 6' | 10' | 6' |
| | 10' | 6' | 10' | 6'F | 10' | 6'F | 10' | 6' | 10' | 6' |
| | 4' | 6'F | 4' | - | 4' | - | 10' | 6'F | 10' | 6'F |
| | 10'A | - | RH | RH | RH | RH | RH | RH | RH | RH |
| | G | G | 10' | 10'F | 10' | 6' | 10' | 6' | 10' | 10' |
| | | | 10'A | - | 4' | 6'F | 4' | 6'F | 10' | 10'F |
| | | | G | G | 10'A | - | 10'A | - | 10'A | - |
| | | | | | G | G | G | G | G | G |
| | | | | | | | | | | |
| Total | 3 RH 2 LH | | 3 RH 2 LH | | 3 RH 2 LH | | 3 RH 2 LH | | 3 RH 2 LH | |

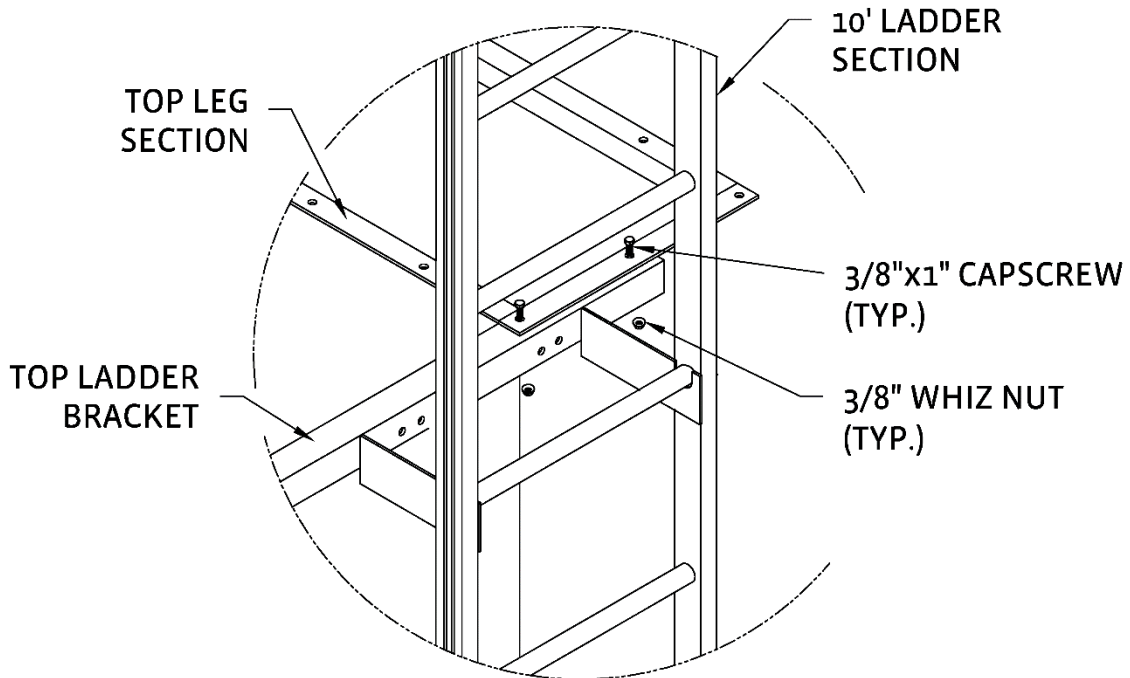
BUCKET ELEVATORS

| DH | 175' | | 180' | |
|--------------|--------------|------|--------------|------|
| | Ladder | Cage | Ladder | Cage |
| | SP | SP | SP | SP |
| | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - |
| | RH | RH | RH | RH |
| | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - |
| | LH | LH | LH | LH |
| | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - |
| | RH | RH | RH | RH |
| | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - |
| | LH | LH | LH | LH |
| | 10' | 10' | 10' | 10' |
| | 10' | 6' | 10' | 6' |
| | 10' | 6'F | 10' | 6'F |
| | 4' | - | 4' | - |
| | RH | RH | RH | RH |
| | 10' | 6' | 10' | 10' |
| | 10' | 6' | 10' | 6' |
| | 10'A | 6'F | 4' | 6'F |
| | G | G | 10'A | - |
| | | | G | G |
| | | | | |
| Total | 3 RH 2 LH | | 3 RH 2 LH | |

Once the correct planning for placement and sizing of parts specific to your bucket elevator discharge height has been completed begin the installation process.

Verify that the head service platform is installed before starting the installation of the ladder and safety cage. Start at the head service platform and continue down the leg according to the following steps.

First attach the top ladder bracket to the top leg section on the ladder side of the bucket elevator as shown in Detail "A" of the following illustration. Then attach the standoff bracket.



DETAIL A

Next position the first 10' ladder section on the top ladder bracket. Continue making ladder connections as shown in Detail "B", "C", "D" of the following illustrations.

Important Note: Approximately 4' of ladder is to extend past the head service platform floor.

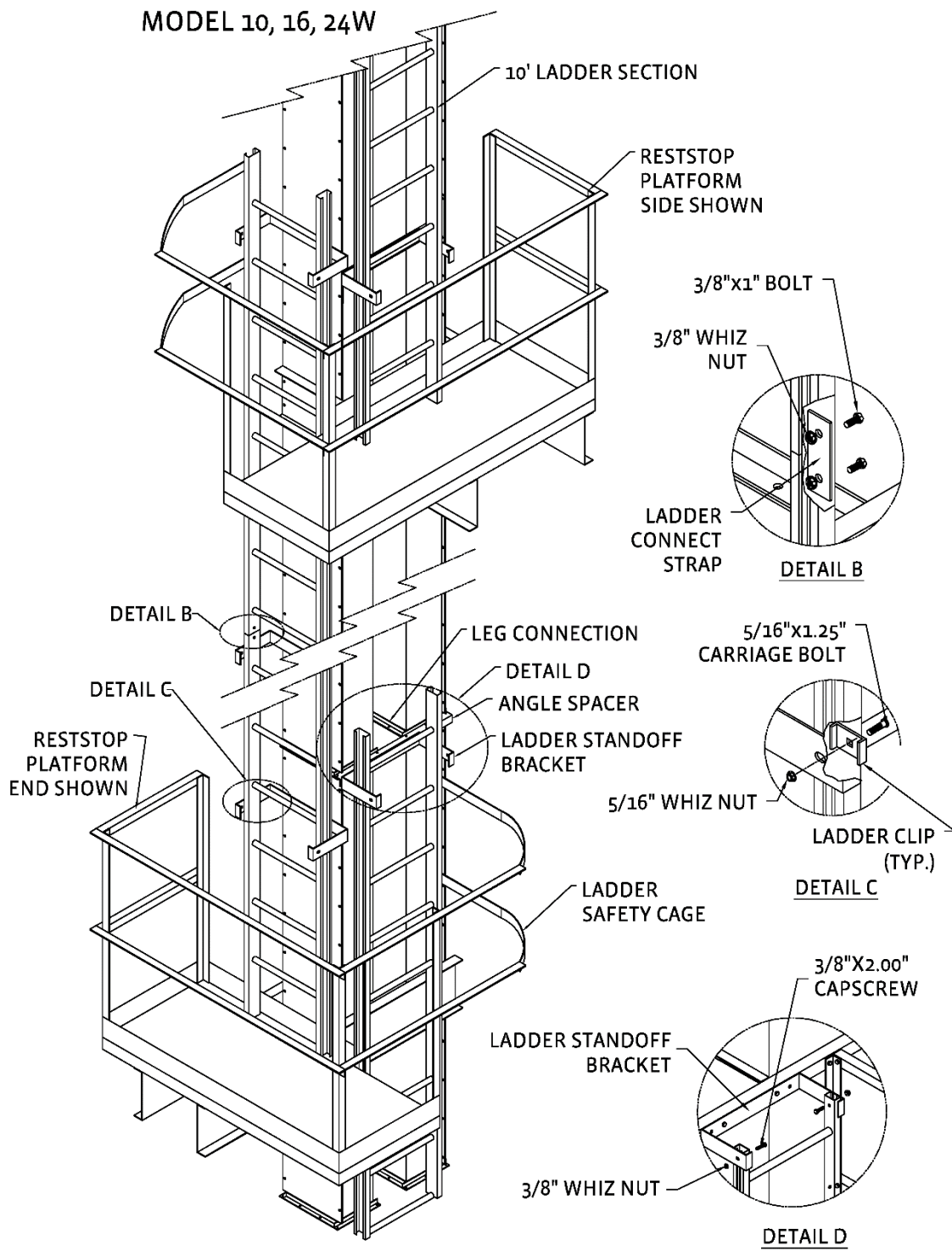
Finally connect ladder sections to the leg sections with an angle spacer as shown in the following illustrations.

After the ladder sections and platforms are installed, attach the safety cages to the ladder sections as shown in the following illustrations. Flared entry safety cages are required 7'-8' (2.13m – 2.43m) above ground level and 7'-8' (2.13m – 2.43m) above each rest platform as shown in the following illustrations.

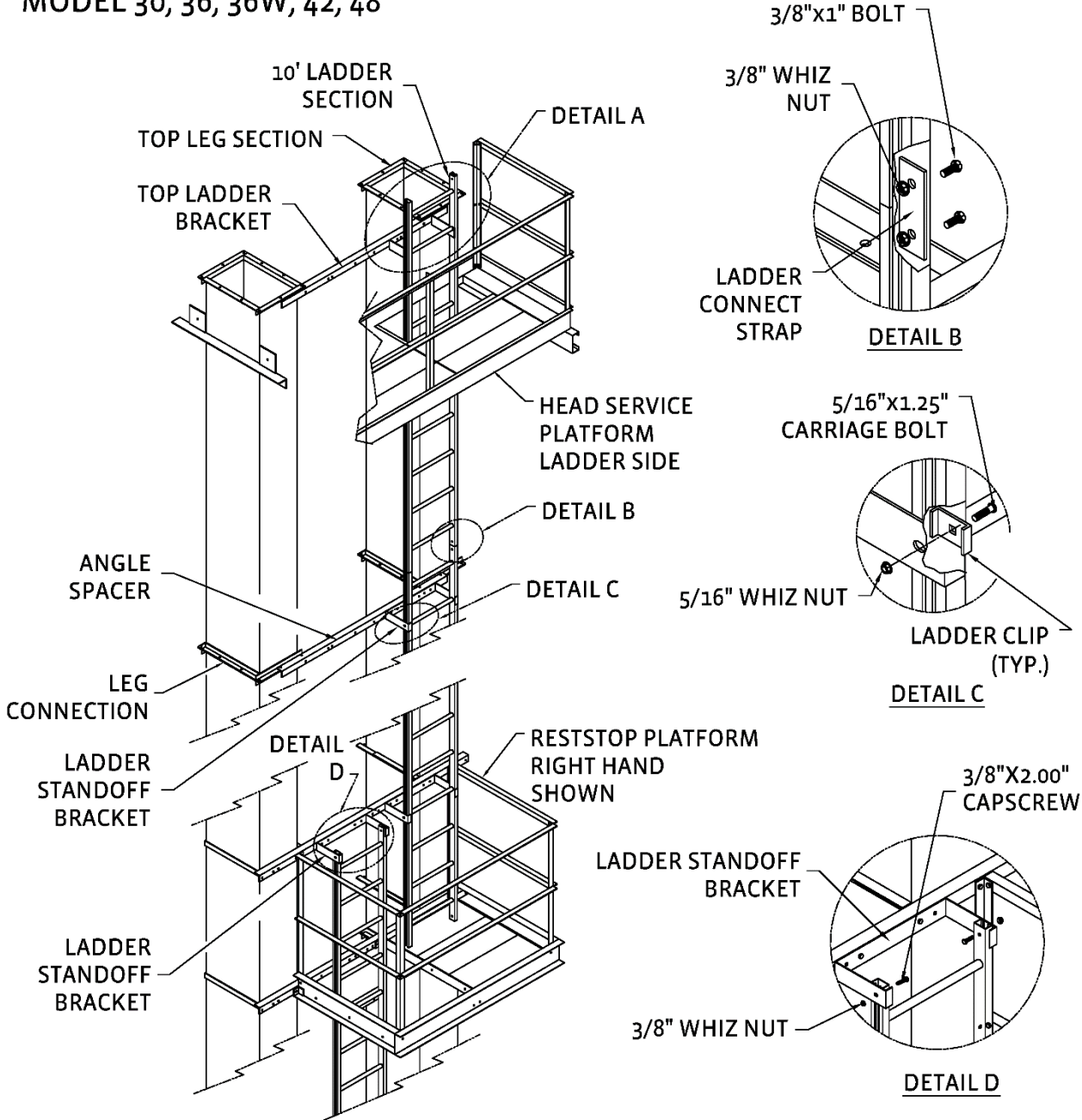
Important Note: Side rest platforms are installed so that the end of the upper ladder is flush with the platform surface.

Complete each platform segment with ladder and safety cage before proceeding to the next platform segment.

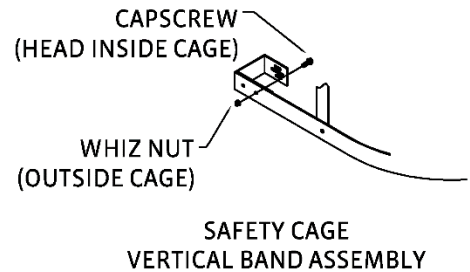
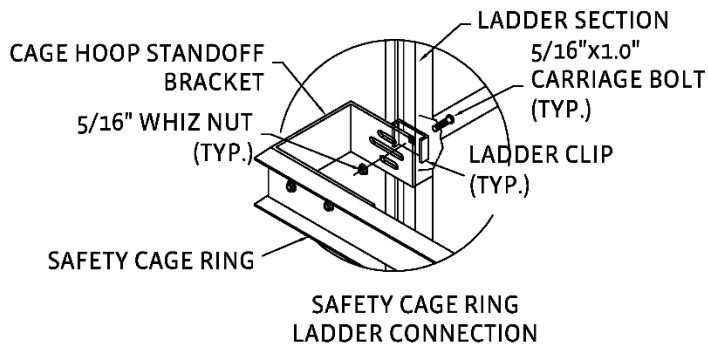
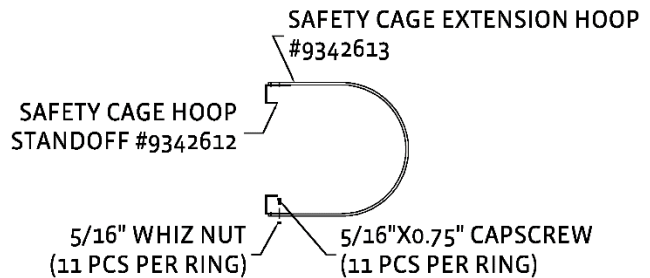
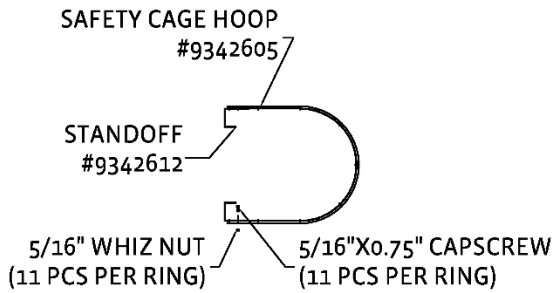
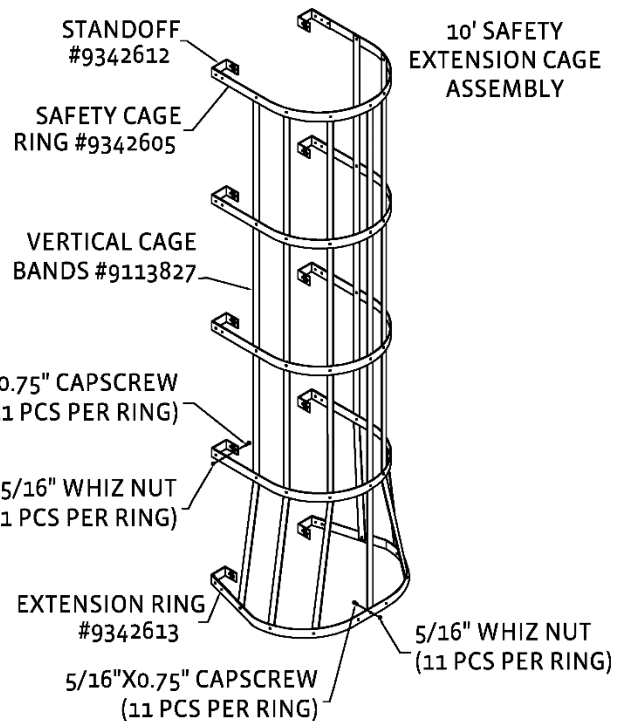
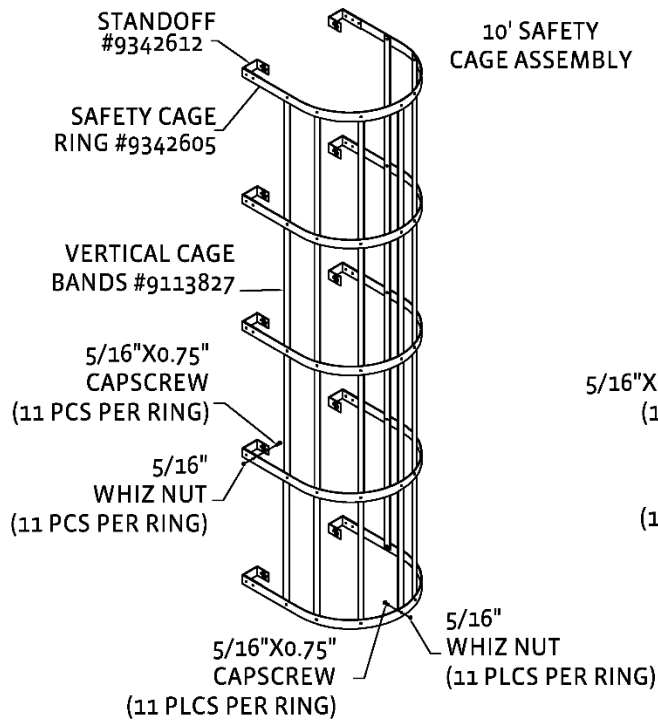
BUCKET ELEVATORS

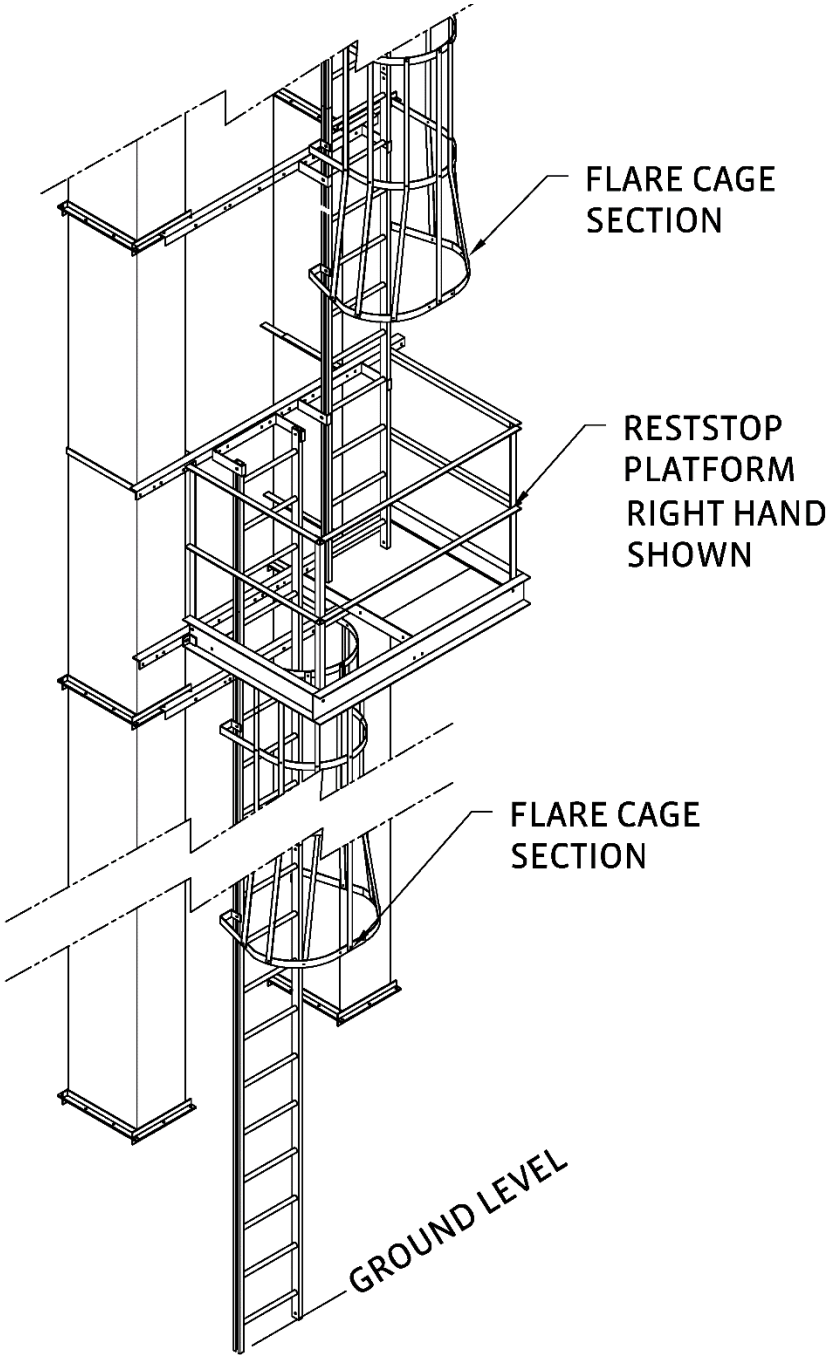


MODEL 30, 36, 36W, 42, 48



BUCKET ELEVATORS



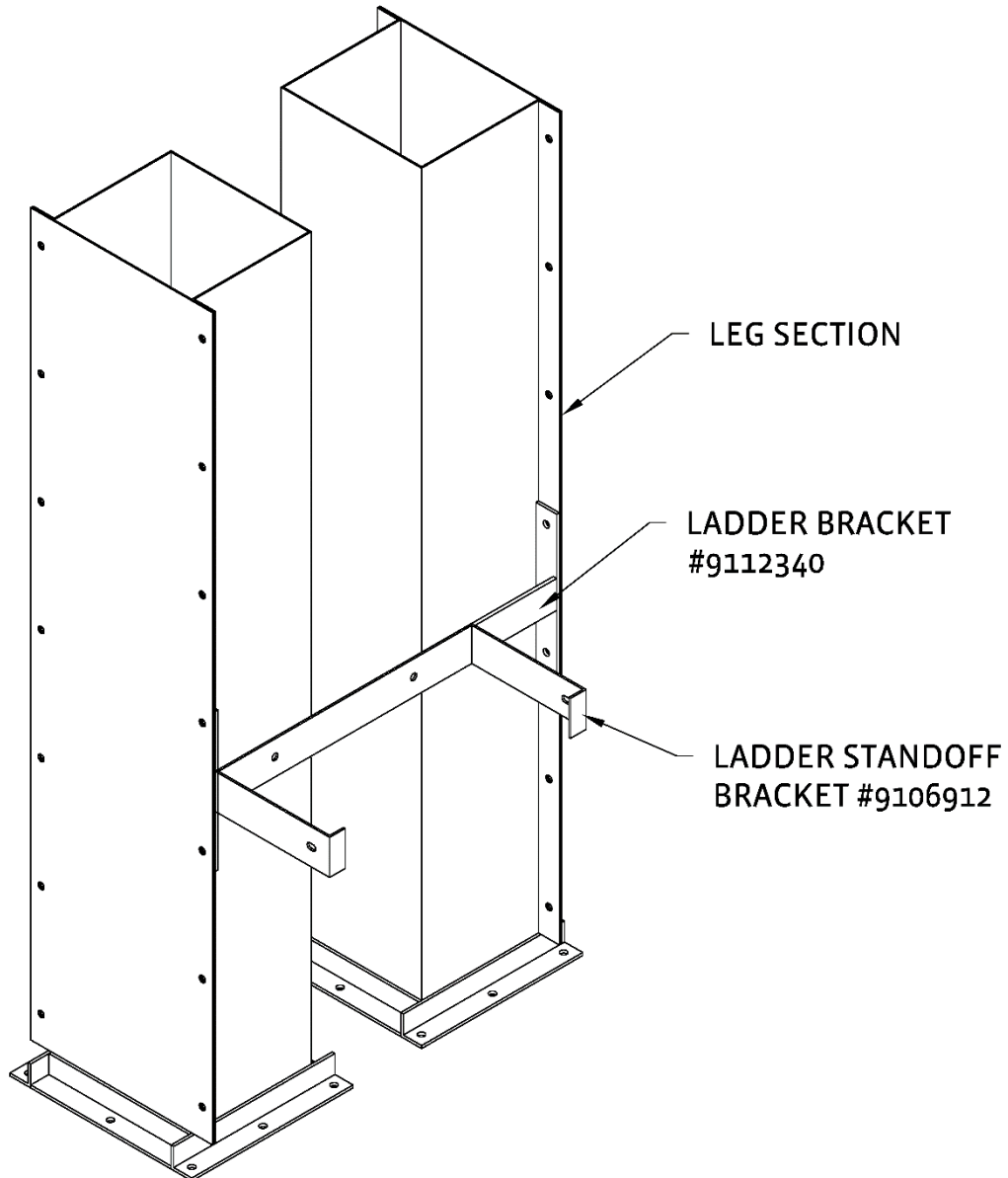


FLARE CAGE LOCATION

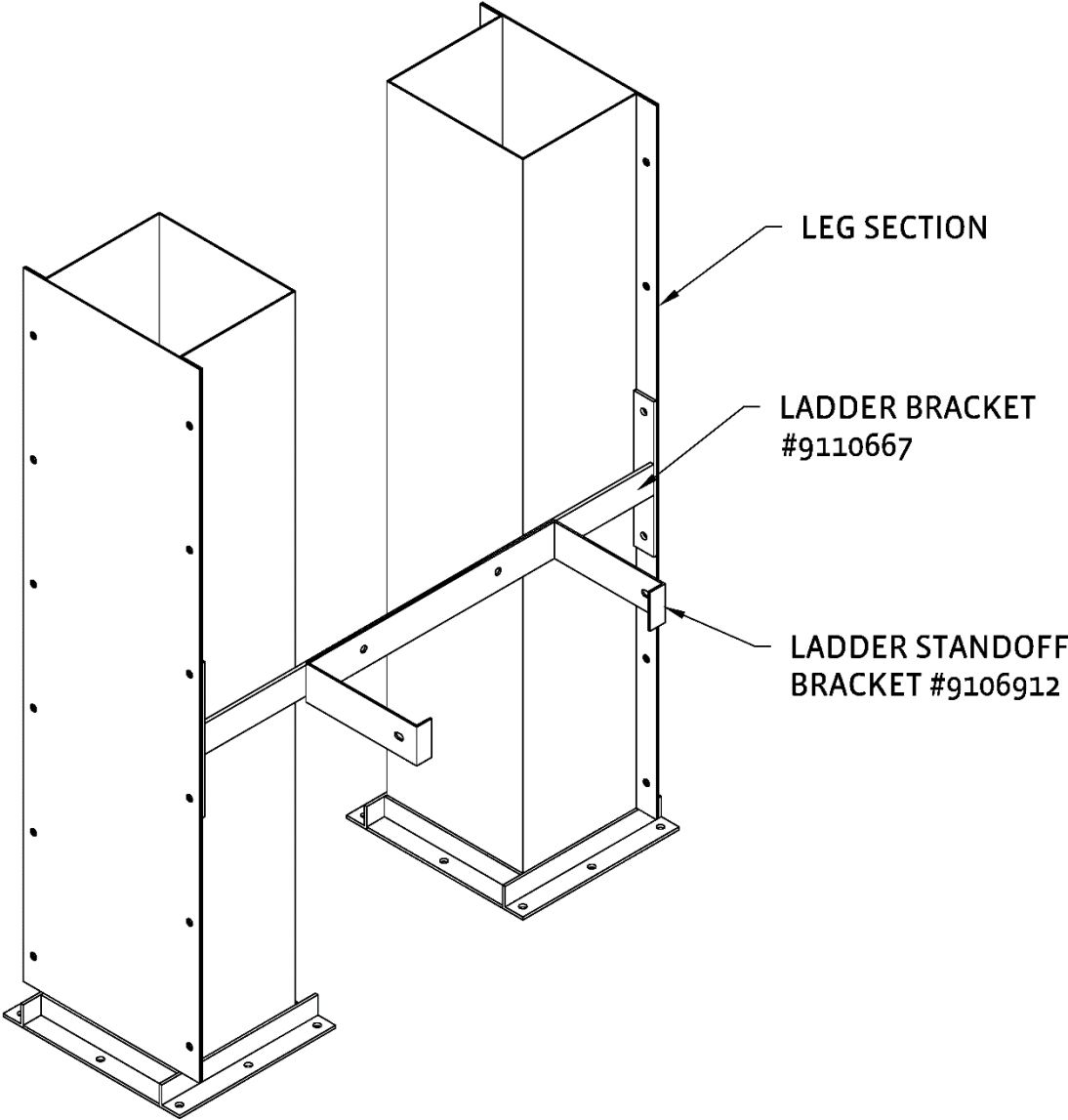
Ladder Bracket Installation

When installing bucket elevators that use bolt together trunking, the ladder bracket will fasten directly to the bolted flange on the leg section. Position the ladder bracket as shown in the following illustrations using the hardware removed from the leg flange.

MODEL 10 (10X8-1/2")



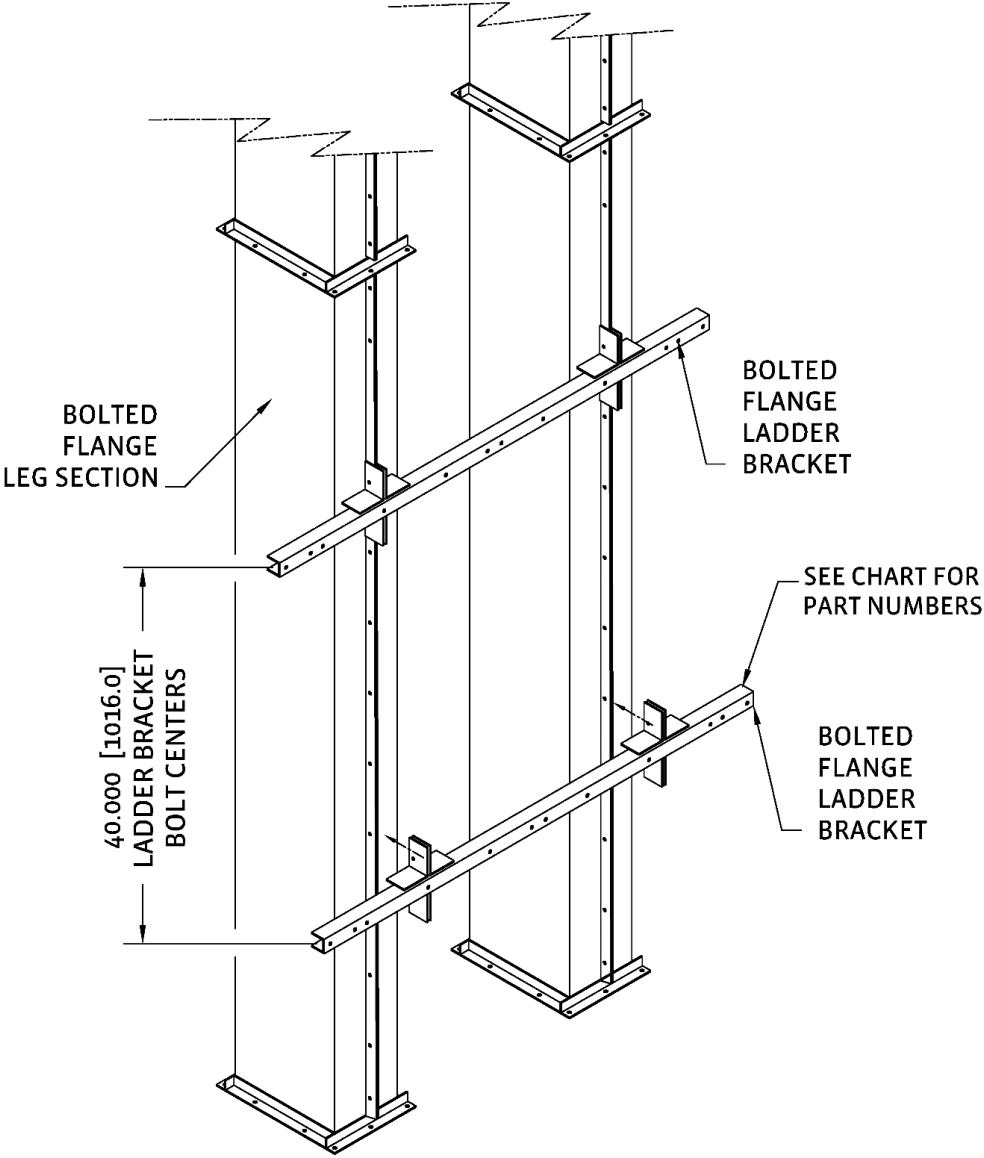
MODEL 16 (13X10)



On Models 24W, 30 and 36, position the ladder bracket into place on the leg sections as shown in the following illustration. The bolted flange of the leg section must fit in-between the angles welded on the ladder bracket. Fasten the angles using the hardware removed from the leg section.

Important Note: The ladder brackets must be installed 40" (101.6cm) apart at the locations that require a side rest platform.

MODELS 24W, 30 & 36

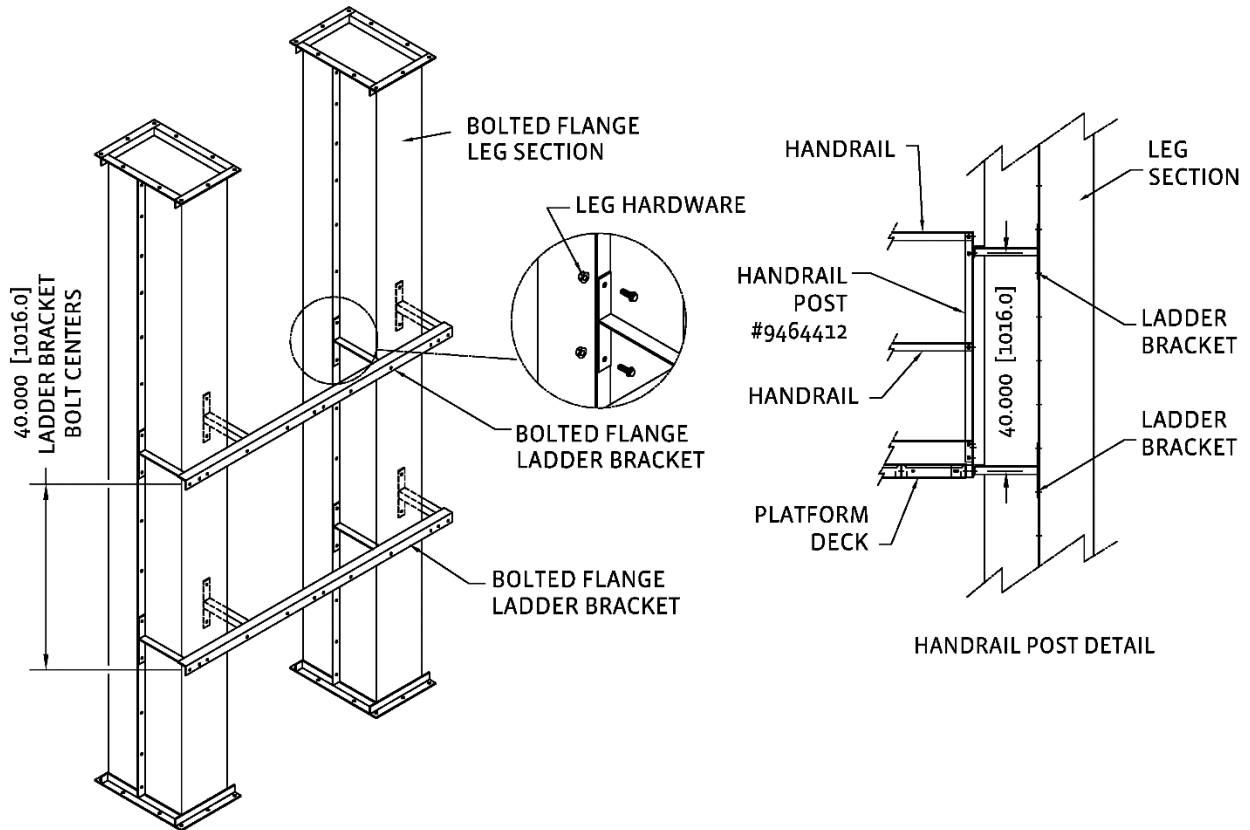


BOLTED FLANGE 16x14 LEG SECTION WITH LADDER BRACKET

On Models 36W, 42 and 48, position the ladder bracket on the bolted flange of the leg section and attach using the hardware removed from the leg flange. The ladder brackets must be installed 40" (101.6cm) apart at the locations that require a side rest platform.

Important Note: The orientation of the handrail post is critical. The spacing at the bottom of the handrail post must match the platform deck for proper installation.

MODELS 36W, 42 & 48

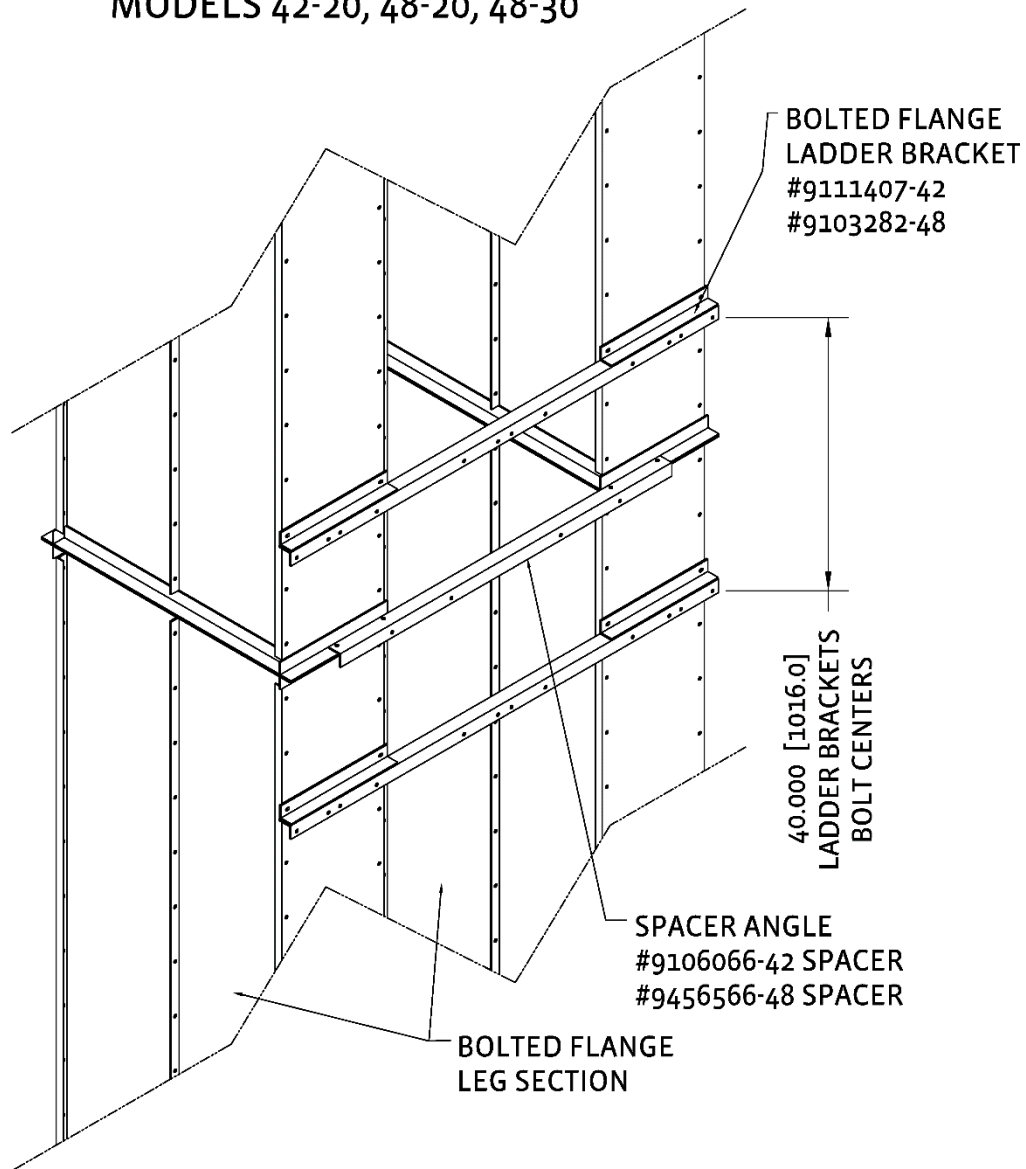


LADDER SECTION/LADDER BRACKET ATTACHMENT

On Models 42-20, 48-20 and 48-30, position the ladder bracket directly on the leg sections as shown in the following illustration. Fasten the angles using the hardware removed from the leg section.

Important Note: The ladder brackets must be installed 40" (101.6cm) apart at the locations that require a side rest platform.

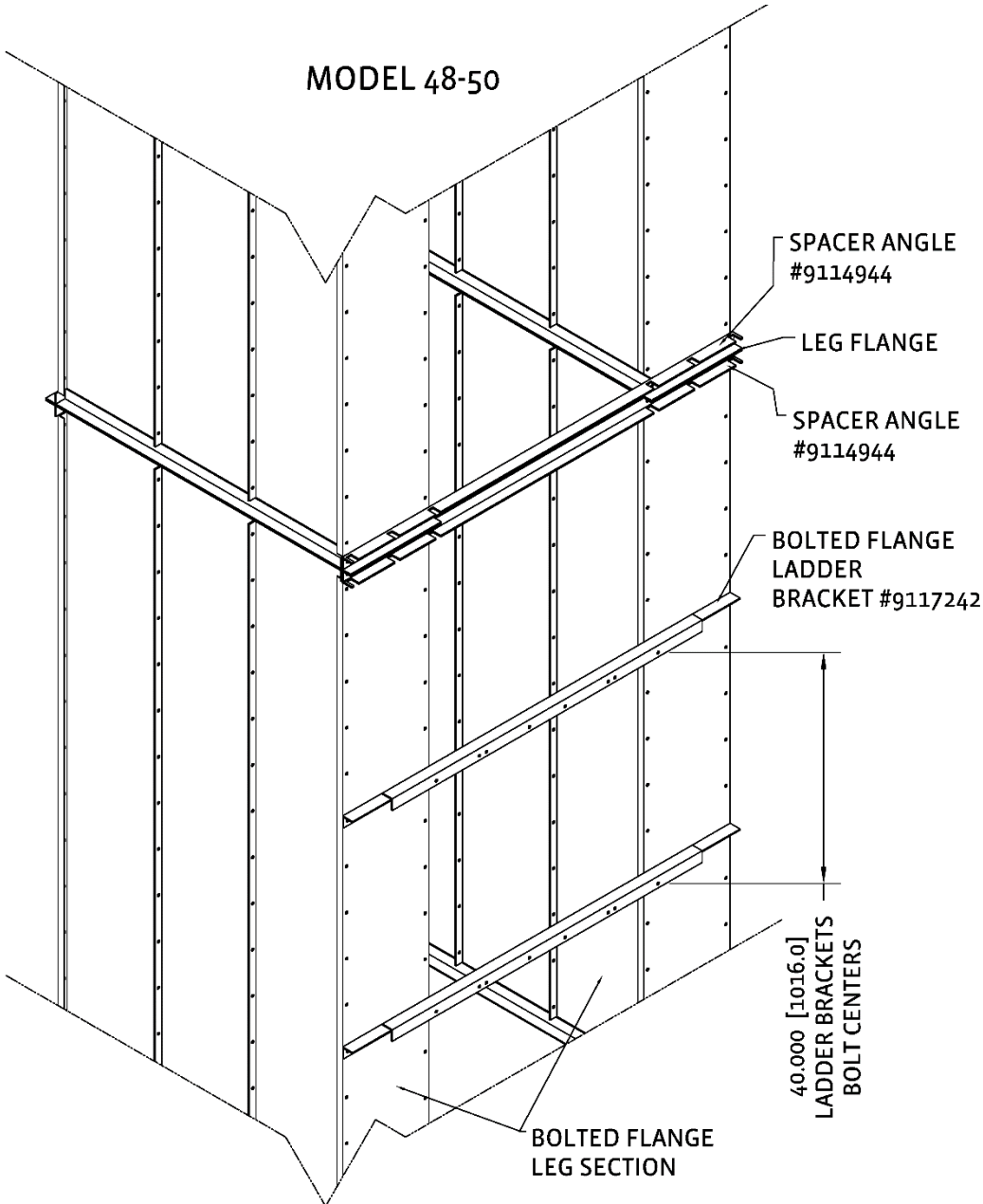
MODELS 42-20, 48-20, 48-30



BOLTED FLANGE 28x14 and 38-14 LEG SECTION WITH LADDER BRACKET

On Model 48-50 position the ladder bracket directly to the bolted flange on the leg sections as shown in the following illustration. Fasten the angles using the hardware removed from the leg section.

Important Note: The ladder brackets must be installed 40" (101.6cm) apart at the locations that require a side rest platform.



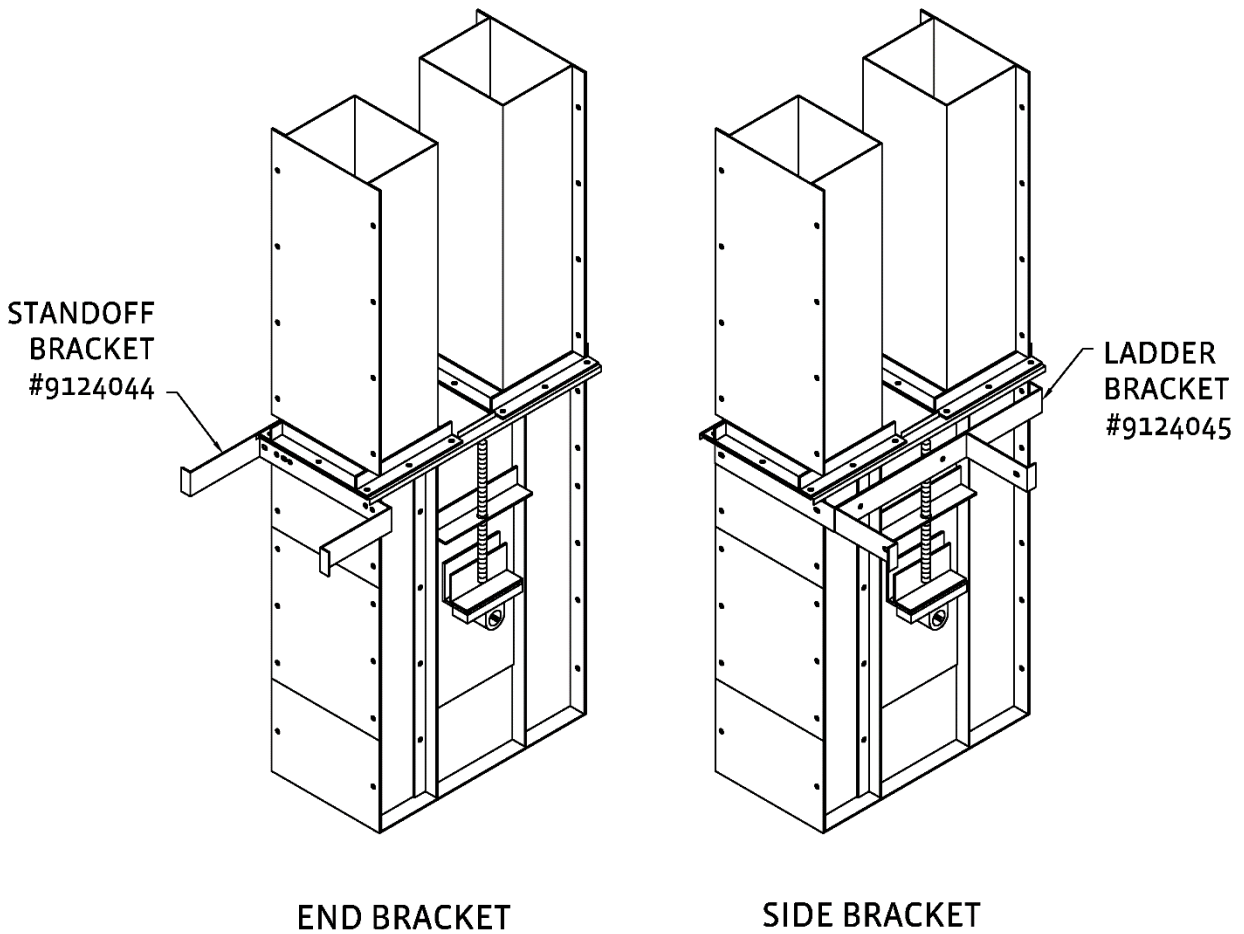
BOLTED FLANGE 65x14 LEG SECTION WITH LADDER BRACKET

Boot Bracket Installation

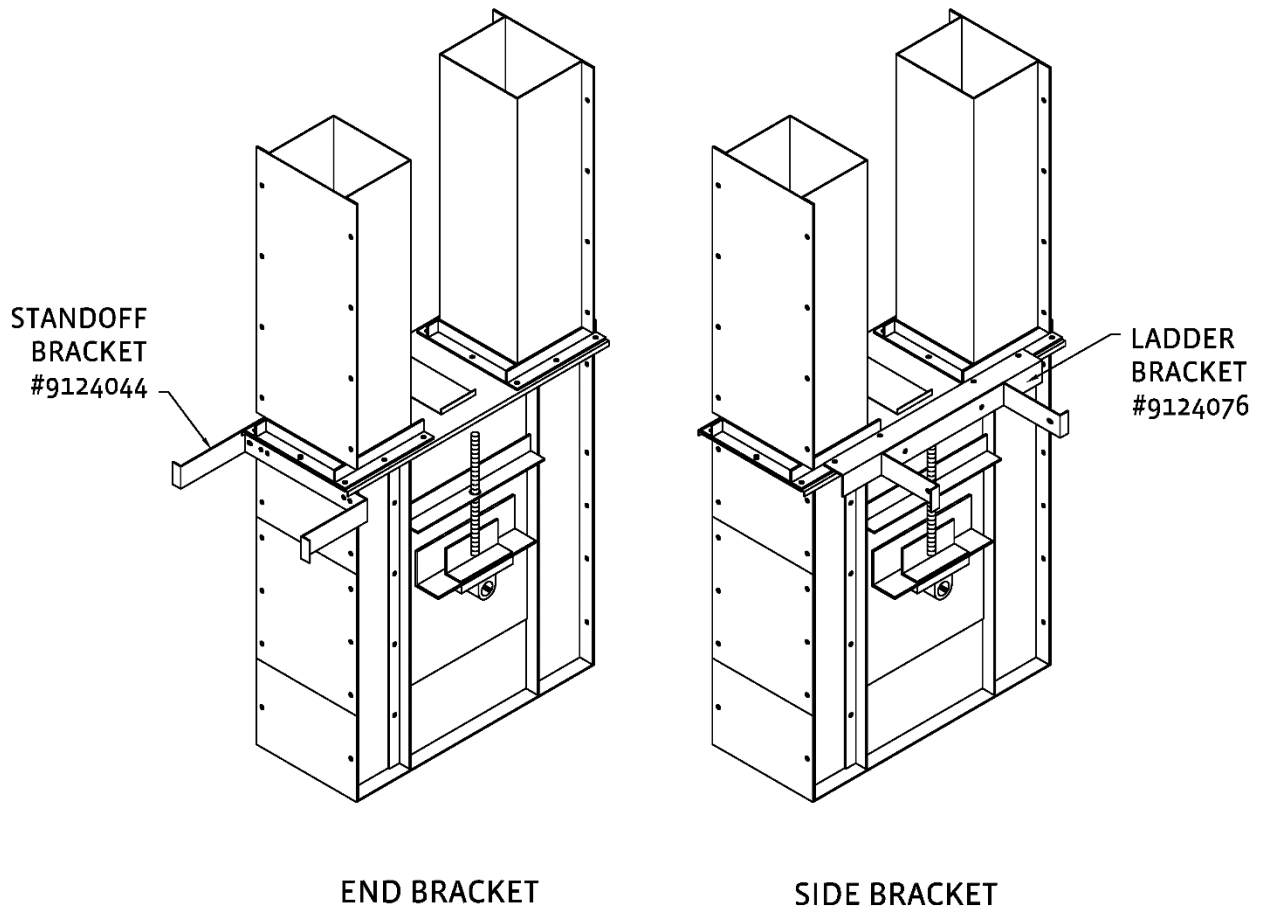
Attach the boot ladder bracket to the boot as shown in the following illustrations. The ladder standoff bracket will be attached to the boot using the bolts located in the boot assembly.

Note: The bucket elevator model number and discharge height determines if the ladder at the boot is located on the end or side, or a left or right hand configuration at the boot location.

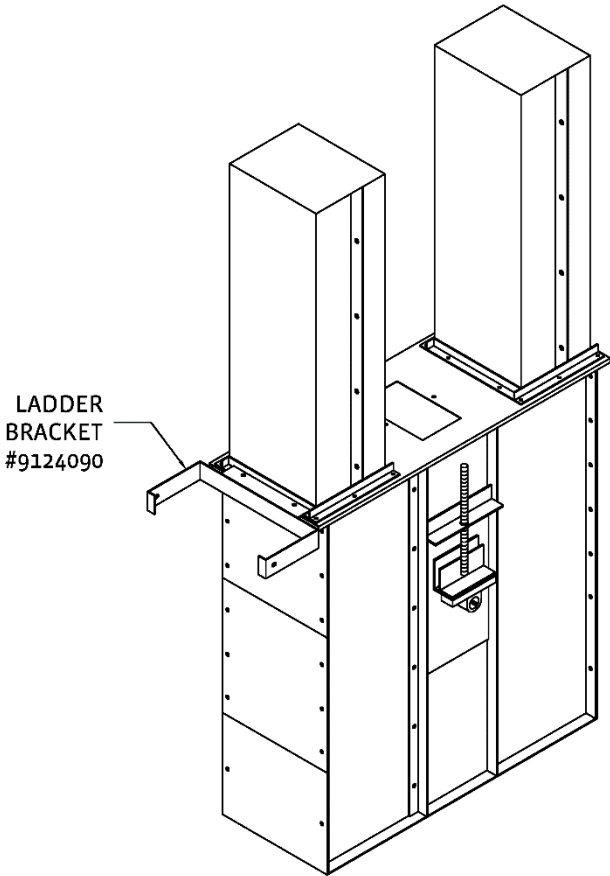
MODEL 10



MODEL 16

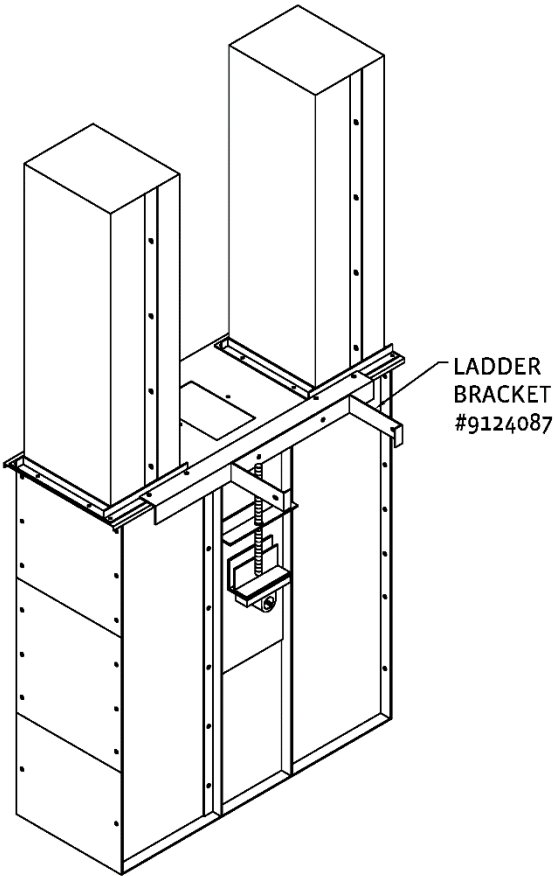


MODEL 24W



LADDER
BRACKET
#9124090

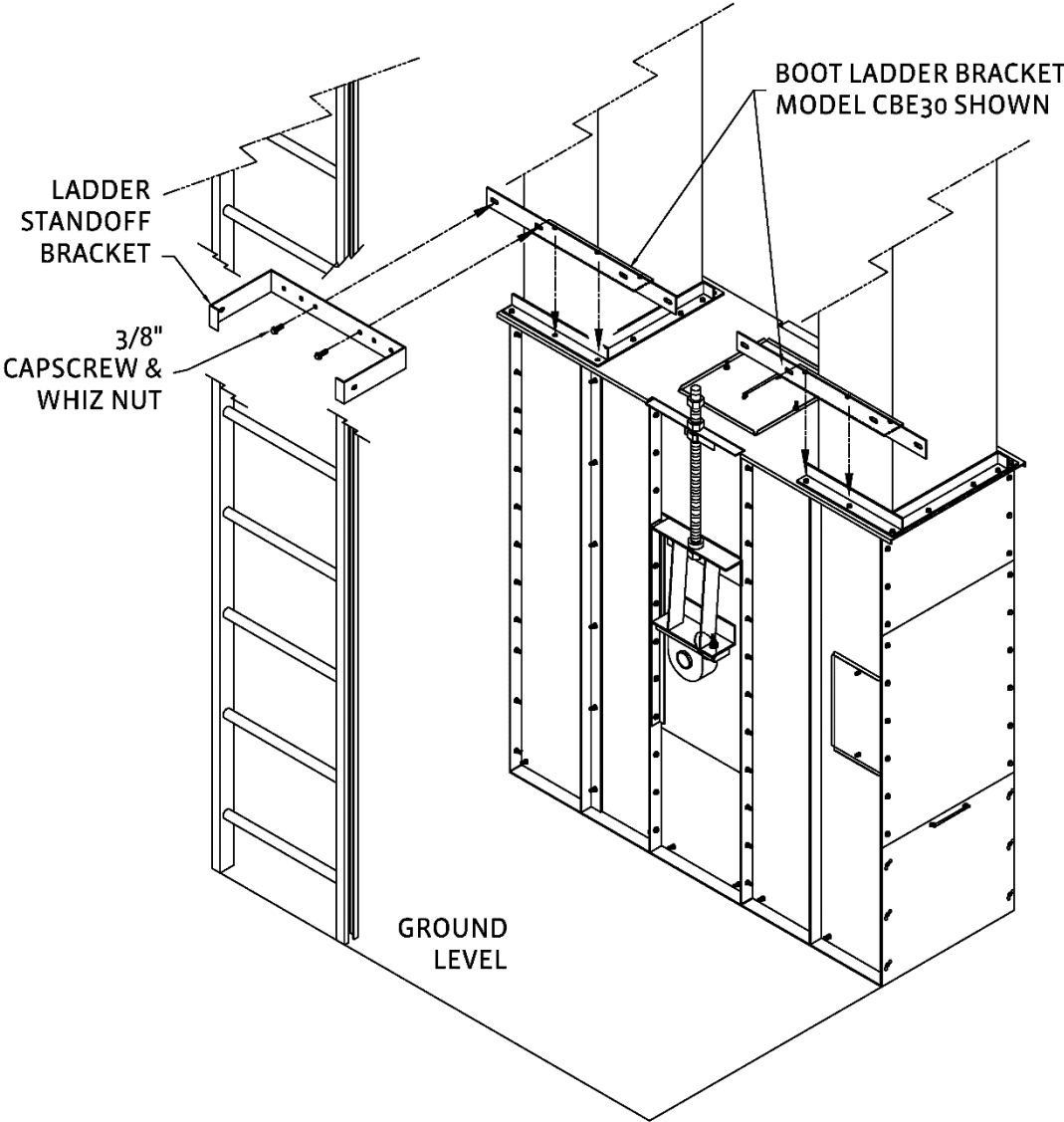
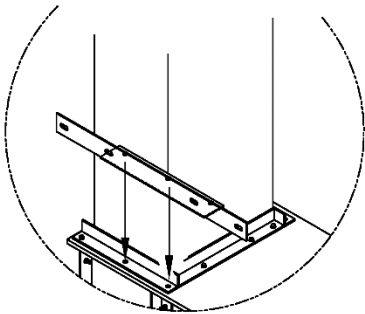
END BRACKET



LADDER
BRACKET
#9124087

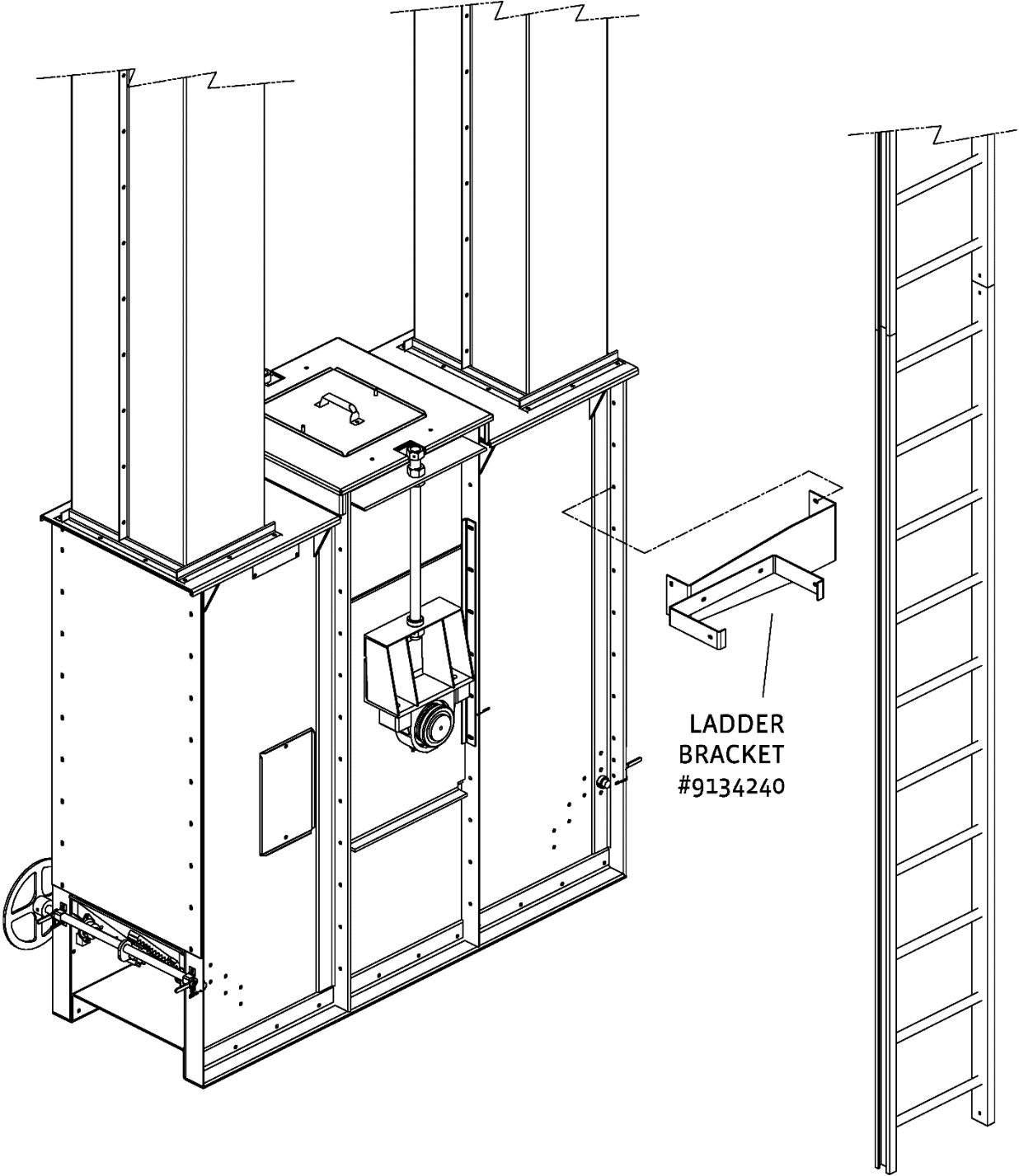
SIDE BRACKET

MODEL CBE30 - CBE42



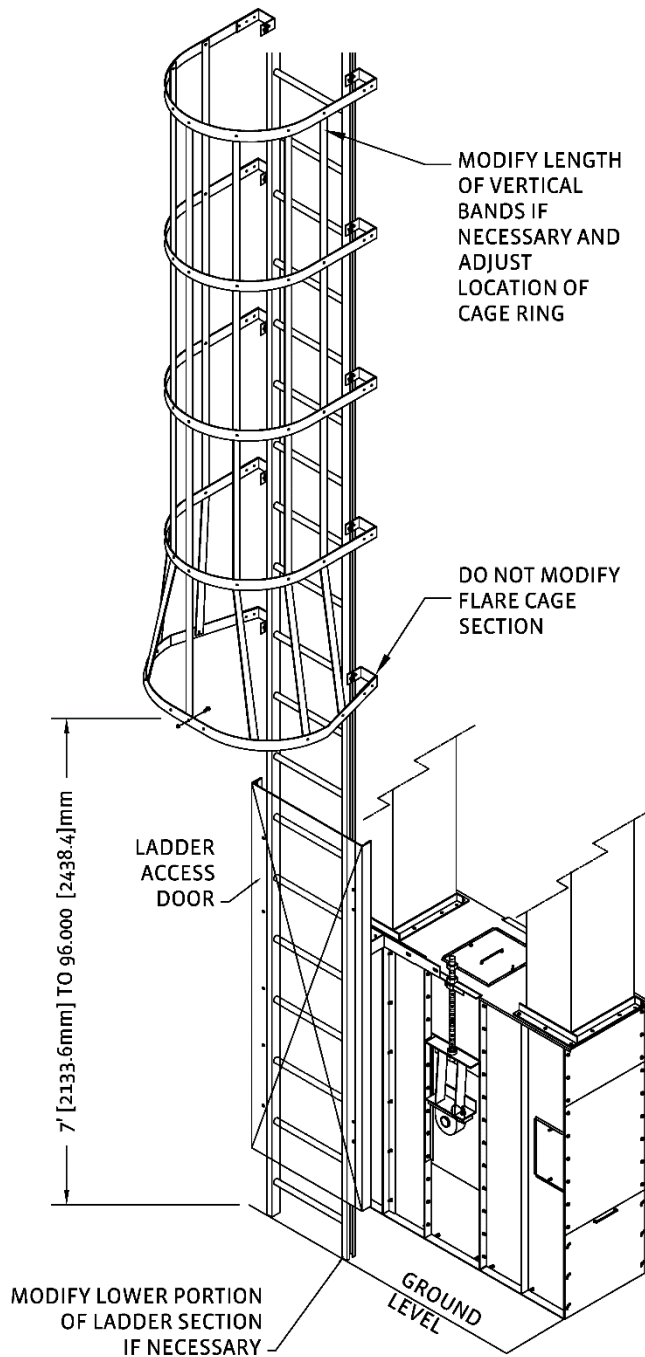
MODEL 30, 36, 36W, 42

MODEL 48



After the boot brackets are attached to the boot section install the final ladder section and access door to the ladder stand-off bracket as shown in the following illustration (Model 30 shown). Next install the final safety cage sections. The flare cage portion must be maintained and positioned 7'-8' (2.13m – 2.43m) from ground level.

Important Note: The final ladder section will end at ground level. Some installations may require field adjustment of the lower ladder section length and repositioning of the access door hinges and latch bracket, or the length adjustment of the vertical safety cage bands in the upper cage section.



Rest Platform Installation

Refer to the detailed assembly drawings provided with shipment. The following information will assist with installation.

Side rest platform are installed in alternating sequence. Refer to the following charts for spacing requirements.

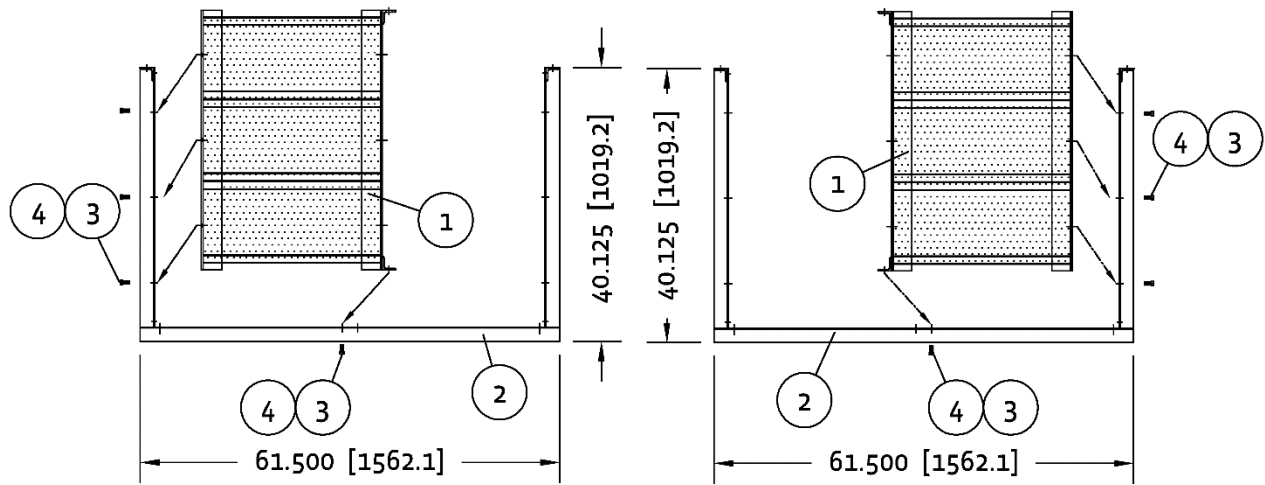
Important Note: The platform deck must be placed in the correct position for the corresponding left or right hand orientation as shown in the following illustration.

LEFT HAND RESTSTOP PLATFORM

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------|
| 1 | 1 | 9103271 | PLATFORM REST DECK LH/RH WLD |
| 2 | 1 | 9103274 | PLATFORM REST BASE LH/RH WLD |
| 3 | 4 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 4 | 4 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |

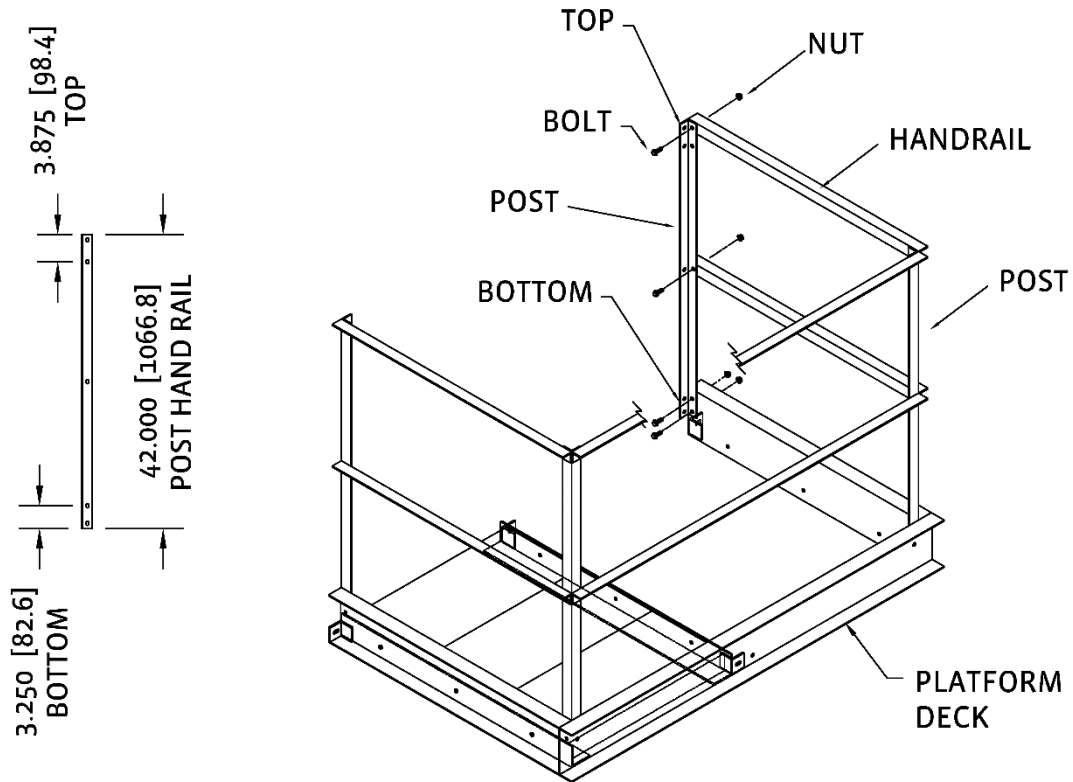
RIGHT HAND RESTSTOP PLATFORM

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------|
| 1 | 1 | 9103271 | PLATFORM REST DECK LH/RH WLD |
| 2 | 1 | 9103274 | PLATFORM REST BASE LH/RH WLD |
| 3 | 4 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 4 | 4 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |



Attach handrail posts and handrails to the rest platforms as shown in the following illustrations. Bolt heads are to be placed to the interior of the platform.

Important Note: Verify the top and bottom bolt hole placement for correct orientation of handrail posts.



RESTSTOP PLATFORM
HANDRAIL ASSEMBLY

BUCKET ELEVATORS

| Height | Service Platform to 1 st Rest Platform | 1 st Rest Platform to 2 nd Rest Platform | 2 nd Rest Platform to 3 rd Rest Platform | 3 rd Rest Platform to 4 th Rest Platform | 4 th Rest Platform to 5 th Rest Platform |
|--------|---|--|--|--|--|
| 50' | 26' | | | | |
| 55' | 30' | | | | |
| 60' | 30' | | | | |
| 65' | 30' | 20' | | | |
| 70' | 30' | 20' | | | |
| 75' | 30' | 26' | | | |
| 80' | 30' | 26' | | | |
| 85' | 30' | 30' | | | |
| 90' | 30' | 30' | | | |
| 95' | 30' | 30' | 20' | | |
| 100' | 30' | 30' | 20' | | |
| 105' | 30' | 30' | 26' | | |
| 110' | 30' | 30' | 26' | | |
| 115' | 30' | 30' | 30' | | |
| 120' | 30' | 30' | 30' | | |

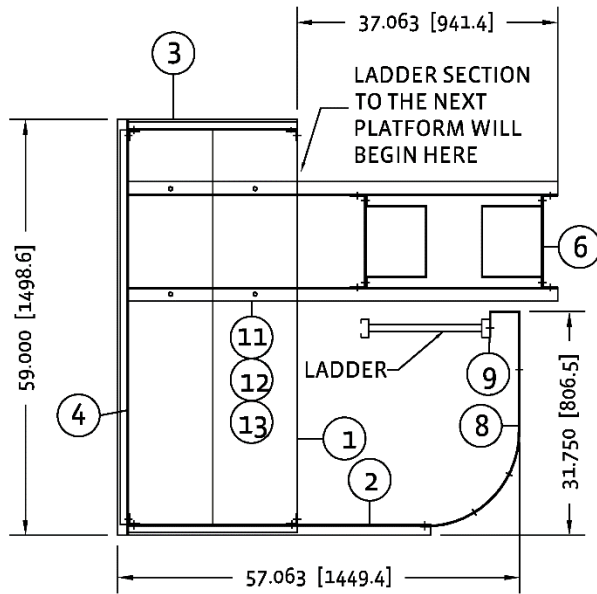
BUCKET ELEVATORS

| Height | Service Platform to 1 st Rest Platform | 1 st Rest Platform to 2 nd Rest Platform | 2 nd Rest Platform to 3 rd Rest Platform | 3 rd Rest Platform to 4 th Rest Platform | 4 th Rest Platform to 5 th Rest Platform |
|-------------|---|--|--|--|--|
| 125' | 30' | 30' | 30' | 20' | |
| 130' | 30' | 30' | 30' | 20' | |
| 135' | 30' | 30' | 30' | 26' | |
| 140' | 30' | 30' | 30' | 26' | |
| 145' | 30' | 30' | 30' | 30' | |
| 150' | 30' | 30' | 30' | 30' | |
| 155' | 30' | 30' | 30' | 30' | 20' |
| 160' | 30' | 30' | 30' | 30' | 20' |
| 165' | 30' | 30' | 30' | 30' | 26' |
| 170' | 30' | 30' | 30' | 30' | 26' |
| 175' | 30' | 30' | 30' | 30' | 30' |
| 180' | 30' | 30' | 30' | 30' | 30' |

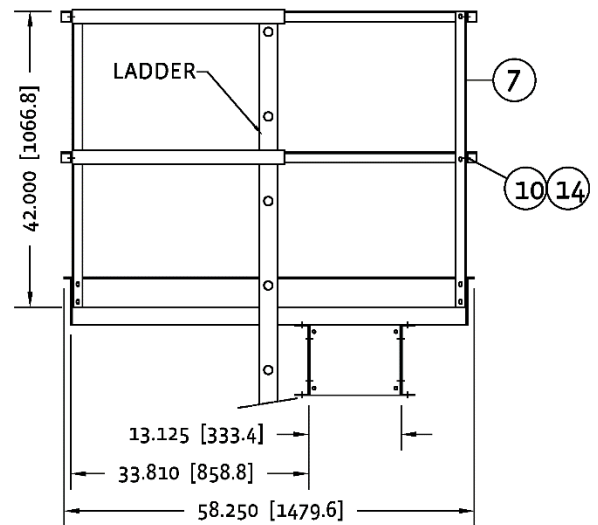
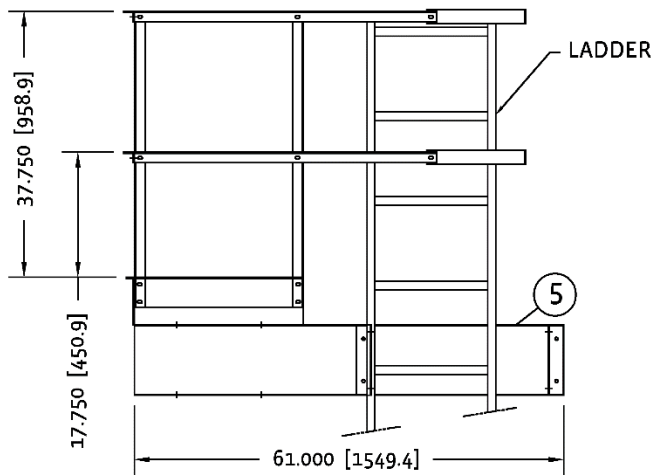
BUCKET ELEVATORS

9427054

CBE10 END RESTSTOP APPLICATION

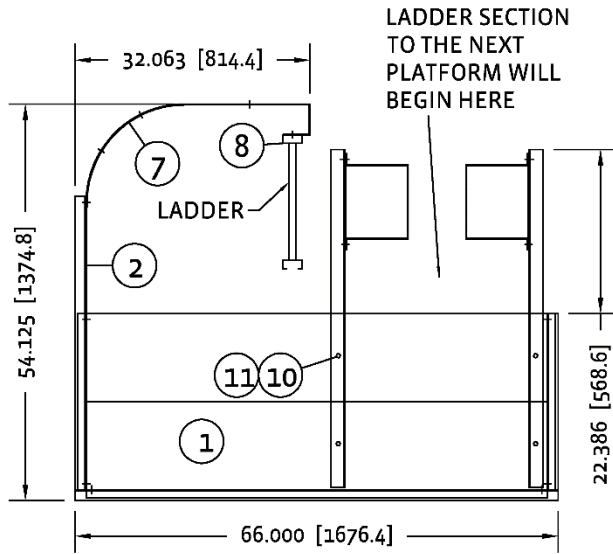


| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|--------------------------------|
| 1 | 1 | 9426882 | PLATFORM REST END FLR E10 WLD |
| 2 | 2 | 9426916 | RAIL HAND X 43" |
| 3 | 2 | 9426924 | RAIL HAND X 24" |
| 4 | 2 | 9426932 | RAIL HAND X 59" |
| 5 | 2 | 9427039 | PLATFORM SUPPORT END E10 PNT |
| 6 | 4 | 9112457 | PLATFORM SPPT CBE10 013 BLTFLG |
| 7 | 4 | 9464412 | POST HAND RAIL X 42" |
| 8 | 2 | 9527531 | SAFETY CAGE 2" 1/2 RING |
| 9 | 2 | 9342512 | LADDER CLIP BOLT ASSY |
| 10 | 35 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 11 | 4 | 708289 | WASHER,FLAT,1/2X1.380,PLTD |
| 12 | 4 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 13 | 4 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 14 | 40 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |

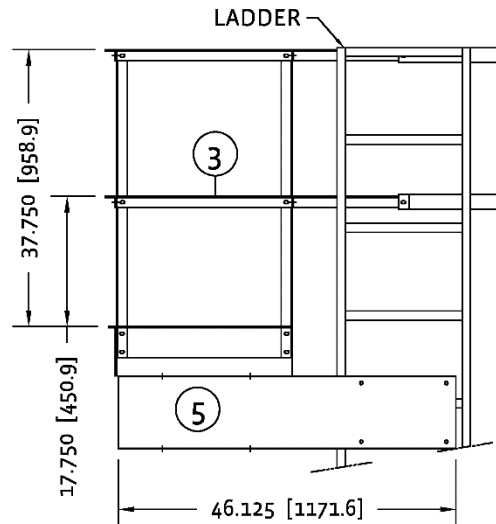
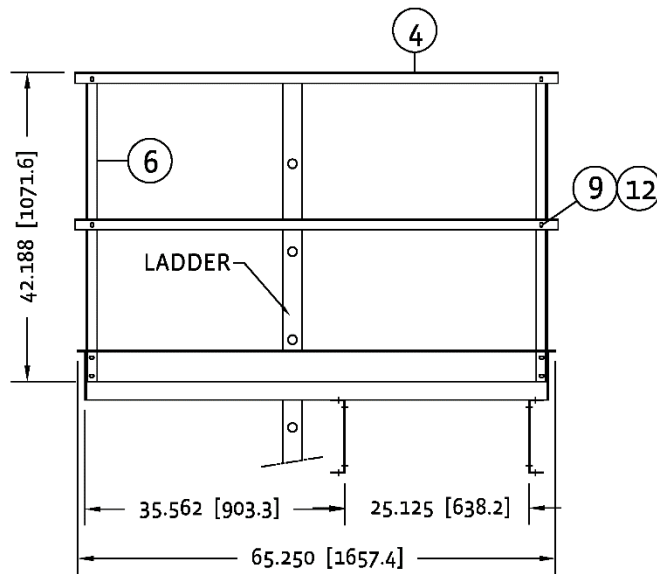


9427047

CBE10 SIDE RESTSTOP APPLICATION



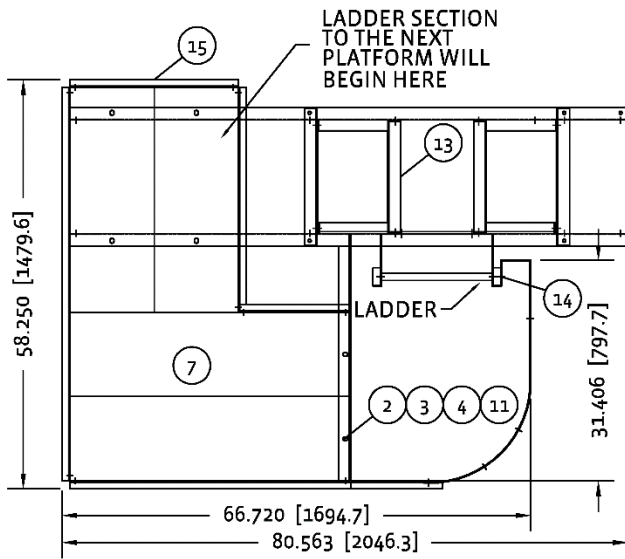
| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|--------------------------------|
| 1 | 1 | 9426874 | PLATFORM REST SIDE FLR E10 WLD |
| 2 | 2 | 9426908 | RAIL HAND X 40" |
| 3 | 2 | 9426924 | RAIL HAND X 24" |
| 4 | 2 | 9426940 | RAIL HAND X 66" |
| 5 | 2 | 9247379 | SUPT E10 SIDE RESTSTOP |
| 6 | 4 | 9464412 | POST HAND RAIL X 42" |
| 7 | 2 | 9527531 | SAFETY CAGE 2" 1/2 RING |
| 8 | 2 | 9342512 | LADDER CLIP BOLT ASSY |
| 9 | 35 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 10 | 4 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 11 | 4 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 12 | 42 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |



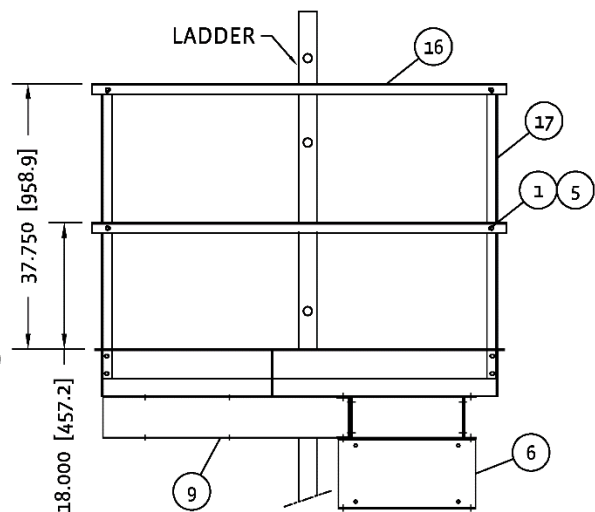
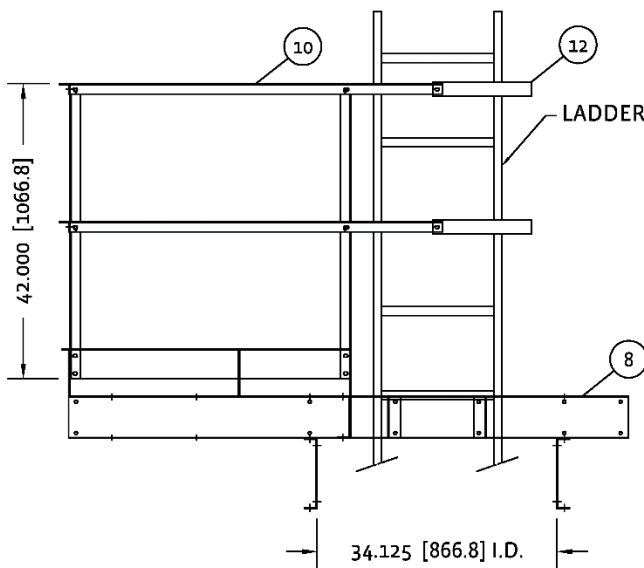
BUCKET ELEVATORS

9227330

CBE16 END RESTSTOP APPLICATION



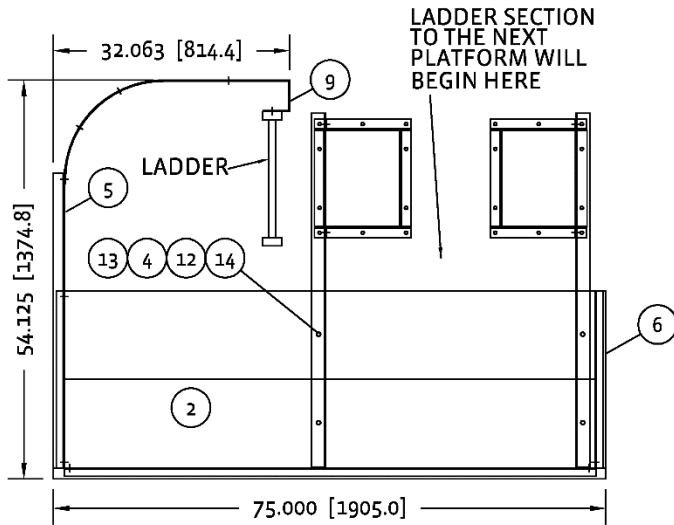
| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|--------------------------------|
| 1 | 60 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 2 | 6 | 708289 | WASHER,FLAT,1/2X1.380,PLTD |
| 3 | 6 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 4 | 6 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 5 | 60 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |
| 6 | 2 | 9113651 | PLATFORM SPPT LWR E16 END |
| 7 | 1 | 9227108 | PLATFORM REST END FLR E16WLDRH |
| 8 | 1 | 9227181 | PLATFORM SPRT E16 END LH |
| 9 | 1 | 9227272 | PLATFORM SPRT E16 END RH WLDM |
| 10 | 2 | 9227298 | RAIL HAND X 053" |
| 11 | 6 | 9235283 | WASHER, REST PLATFORM |
| 12 | 2 | 9237453 | LDDR SFTY CAGE EXT 1/2 RING IA |
| 13 | 3 | 9238790 | PLATFORM SPRT SPCR-E16 END WLD |
| 14 | 2 | 9342512 | LADDER CLIP BOLT ASSY |
| 15 | 2 | 9426924 | RAIL HAND X 024" |
| 16 | 2 | 9426932 | RAIL HAND X 059" |
| 17 | 4 | 9464412 | POST HAND RAIL X 42" |



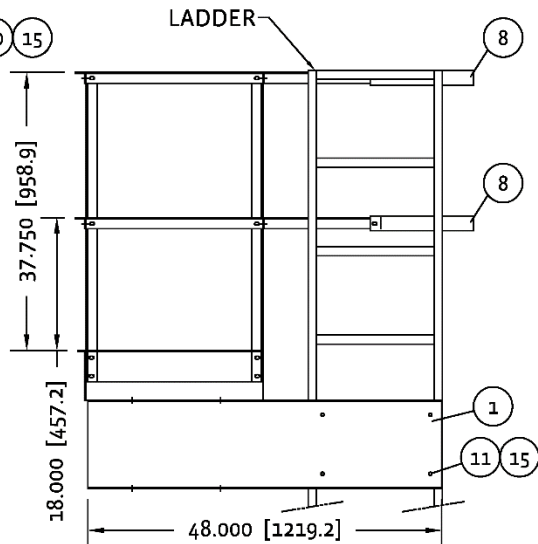
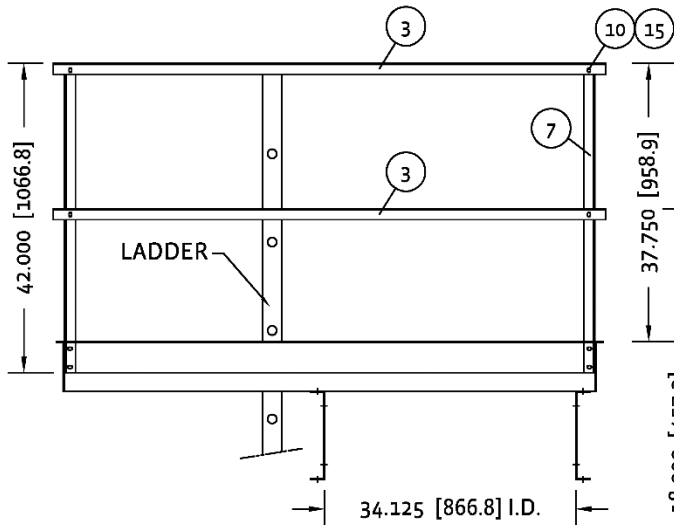
BUCKET ELEVATORS

9111904

CBE16 SIDE RESTSTOP APPLICATION

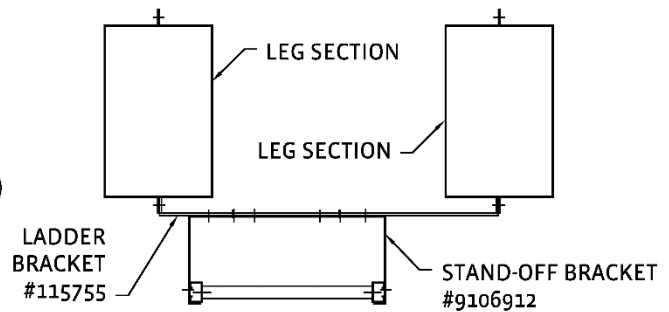
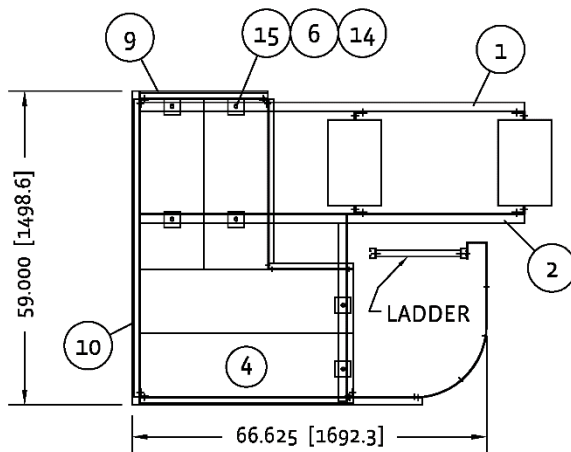


| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|---------------------------------|
| 1 | 2 | 9111930 | SUPT E1624 SIDE RESTSTOP BLTFLG |
| 2 | 1 | 9226886 | PLATFRM REST SD FLR E16 WLDM |
| 3 | 2 | 9226910 | RAIL HAND X 075" |
| 4 | 4 | 9235283 | WASHER, REST PLATFORM |
| 5 | 2 | 9426908 | RAIL HAND X 040" |
| 6 | 2 | 9426924 | RAIL HAND X 024" |
| 7 | 4 | 9464412 | POST HAND RAIL X 42" |
| 8 | 2 | 9527531 | LDDR SFTY CAGE 2" 1/2 RING |
| 9 | 2 | 9342512 | LADDER CLIP BOLT ASSY |
| 10 | 42 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 11 | 8 | 707984 | BOLT,HHCS,3/8-16X1.250,GR5,PLTD |
| 12 | 4 | 708289 | WASHER,FLAT,1/2X1.380,PLTD |
| 13 | 4 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 14 | 4 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 15 | 50 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |

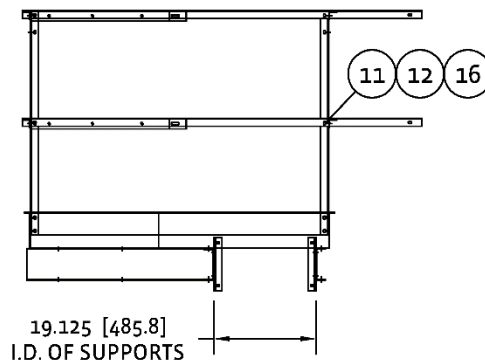
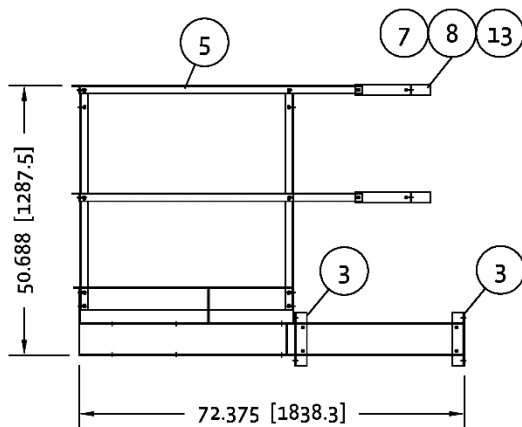


9115753
CBE24W END RESTSTOP APPLICATION

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|----------------------------------|
| 1 | 1 | 115760 | PLATFORM SPPT CBE24W END LH |
| 2 | 1 | 115761 | PLATFORM SPPT CBE24W END RH WLD |
| 3 | 4 | 115762 | BRKT CBE24W END RESTSTOP SPPT |
| 4 | 1 | 227108 | PLATFORM REST END FLR E16WLDRH |
| 5 | 2 | 227298 | RAIL HAND X 053" |
| 6 | 6 | 235283 | WASHER, REST PLATFORM |
| 7 | 2 | 237453 | IA LDDR SFTY CAGE EXT 1/2 RING |
| 8 | 2 | 342512 | LADDER CLIP BOLT ASSY |
| 9 | 2 | 426924 | RAIL HAND X 024" |
| 10 | 2 | 426932 | RAIL HAND X 059" |
| 11 | 4 | 464412 | POST HAND RAIL X 42" |
| 12 | 50 | 707976 | CS 3/8-16X1.0 HEX HD GRADE 5 PTD |
| 13 | 2 | 708206 | NUT 5/16-18 HEX WHIZ FLNGE PLT |
| 14 | 6 | 773812 | NUT 1/2-13 HEX WHIZ FLNGE PLTD |
| 15 | 6 | 773820 | CS 1/2-13NCX4.0 HEX HD FULLTHRD |
| 16 | 50 | 785907 | NUT 3/8-16 HEX WHIZ FLNGE PLTD |



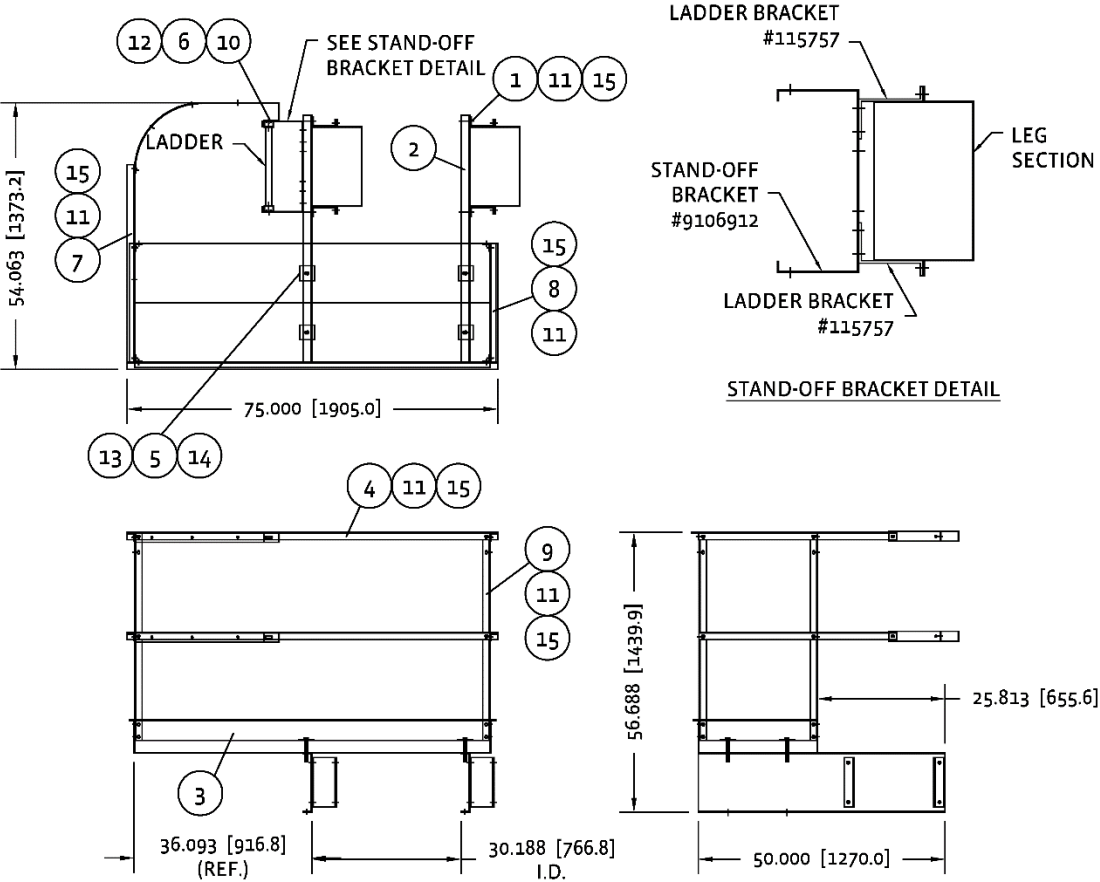
STAND-OFF BRACKET DETAIL



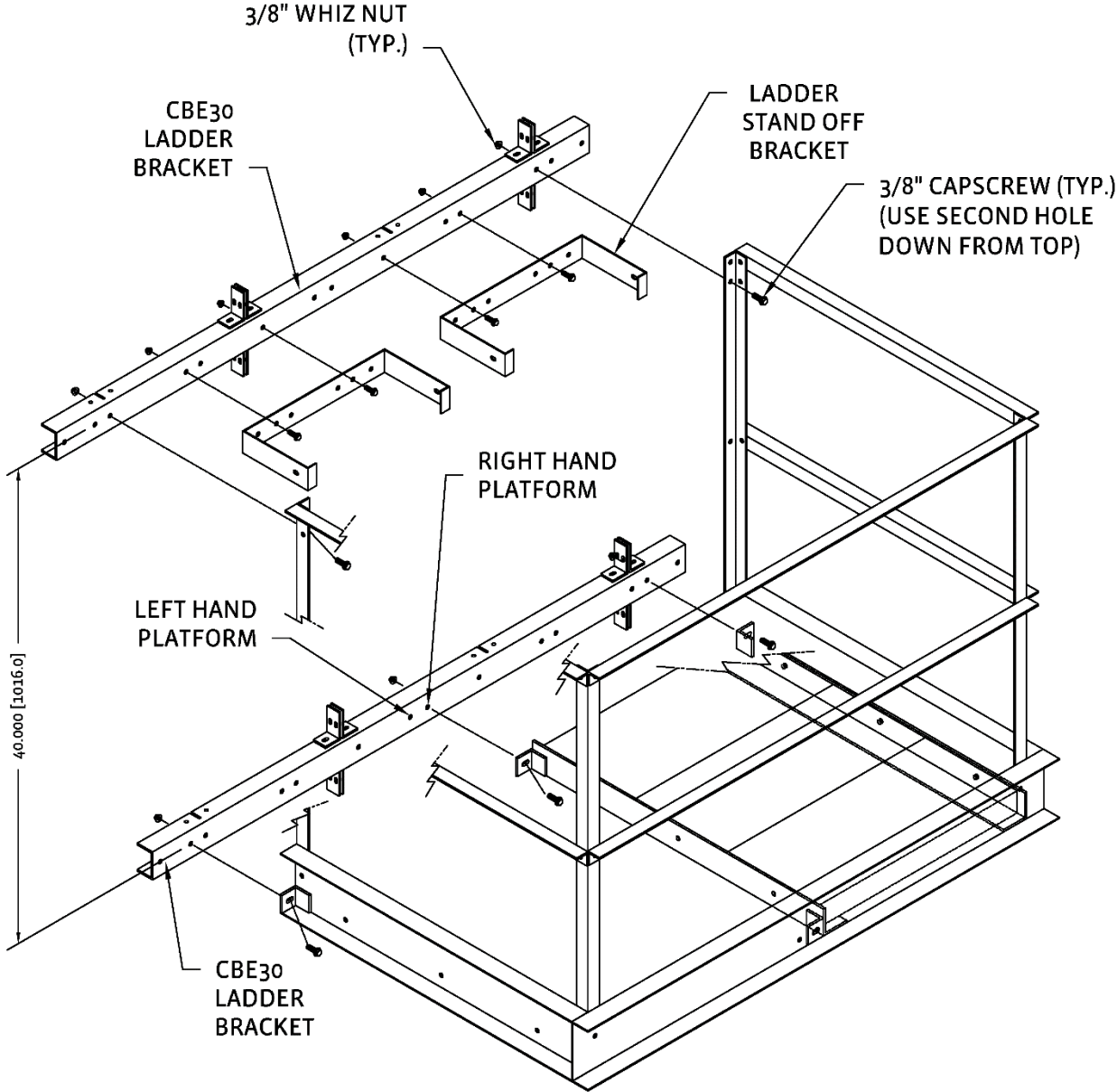
9115752
CBE24W SIDE RESTSTOP APPLICATION

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|----------------------------------|
| 1 | 4 | 115754 | BRKT 16X10 BLTFLG 24W SDRESTSTOP |
| 2 | 2 | 115758 | SUPT CBE24W SIDE RESTSTOP |
| 3 | 1 | 226886 | PLATFRM REST SD FLR E16 WLDM |
| 4 | 2 | 226910 | RAIL HAND X 075" |
| 5 | 4 | 235283 | WASHER, REST PLATFORM |
| 6 | 2 | 342512 | LADDER CLIP BOLT ASSY |
| 7 | 2 | 426908 | RAIL HAND X 040" |
| 8 | 2 | 426924 | RAIL HAND X 024" |
| 9 | 4 | 464412 | POST HAND RAIL X 42" |
| 10 | 2 | 527531 | LADDER SAFETY CAGE 2" 1/2 RING |
| 11 | 32 | 707976 | CS 3/8-16X1.0 HEX HD GRADE 5 PTD |
| 12 | 2 | 708206 | NUT 5/16-18 HEX WHIZ FLNGE PLT |
| 13 | 4 | 773812 | NUT 1/2-13 HEX WHIZ FLNGE PLTD |
| 14 | 4 | 773820 | CS 1/2-13NCX4.0 HEX HD FULLTHRD |
| 15 | 32 | 785907 | NUT 3/8-16 HEX WHIZ FLNGE PLTD |

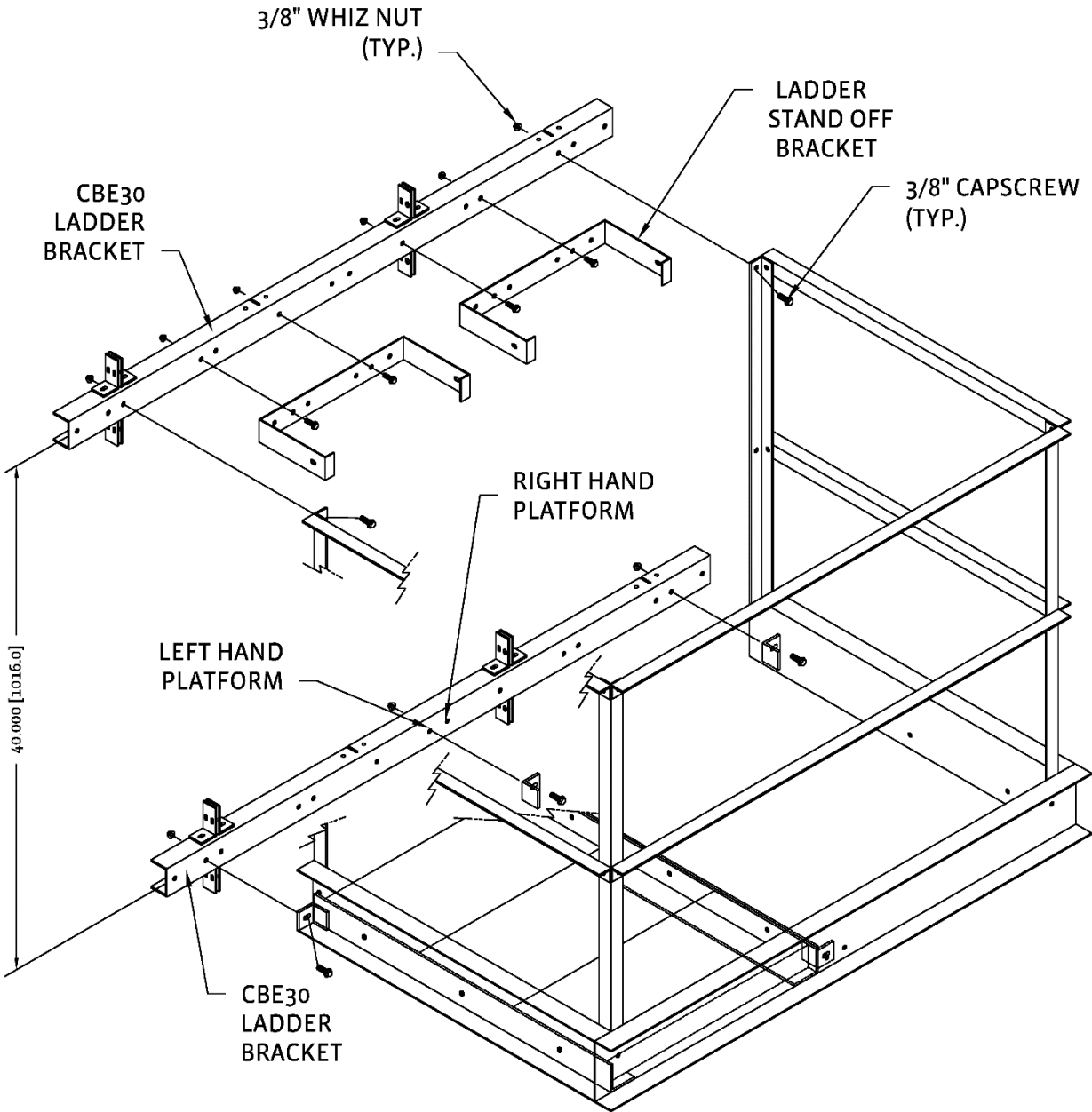
NOTE:
LEFT HAND DRIVE SIDE PLATFORM
SHOWN. RIGHT HAND
INSTALLATION IS OPPOSITE.



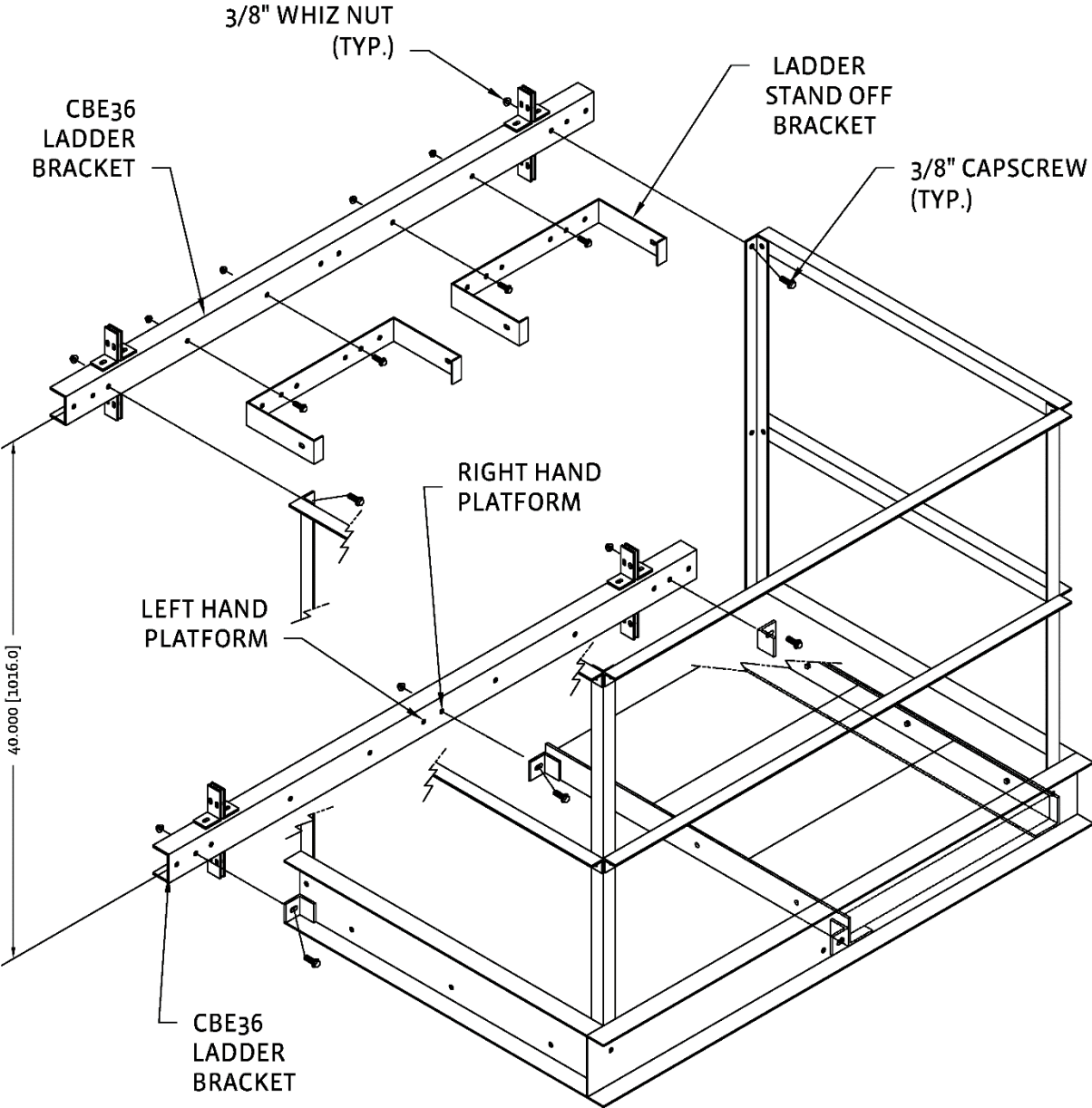
CBE30 LEFT HAND DRIVE APPLICATION ONLY



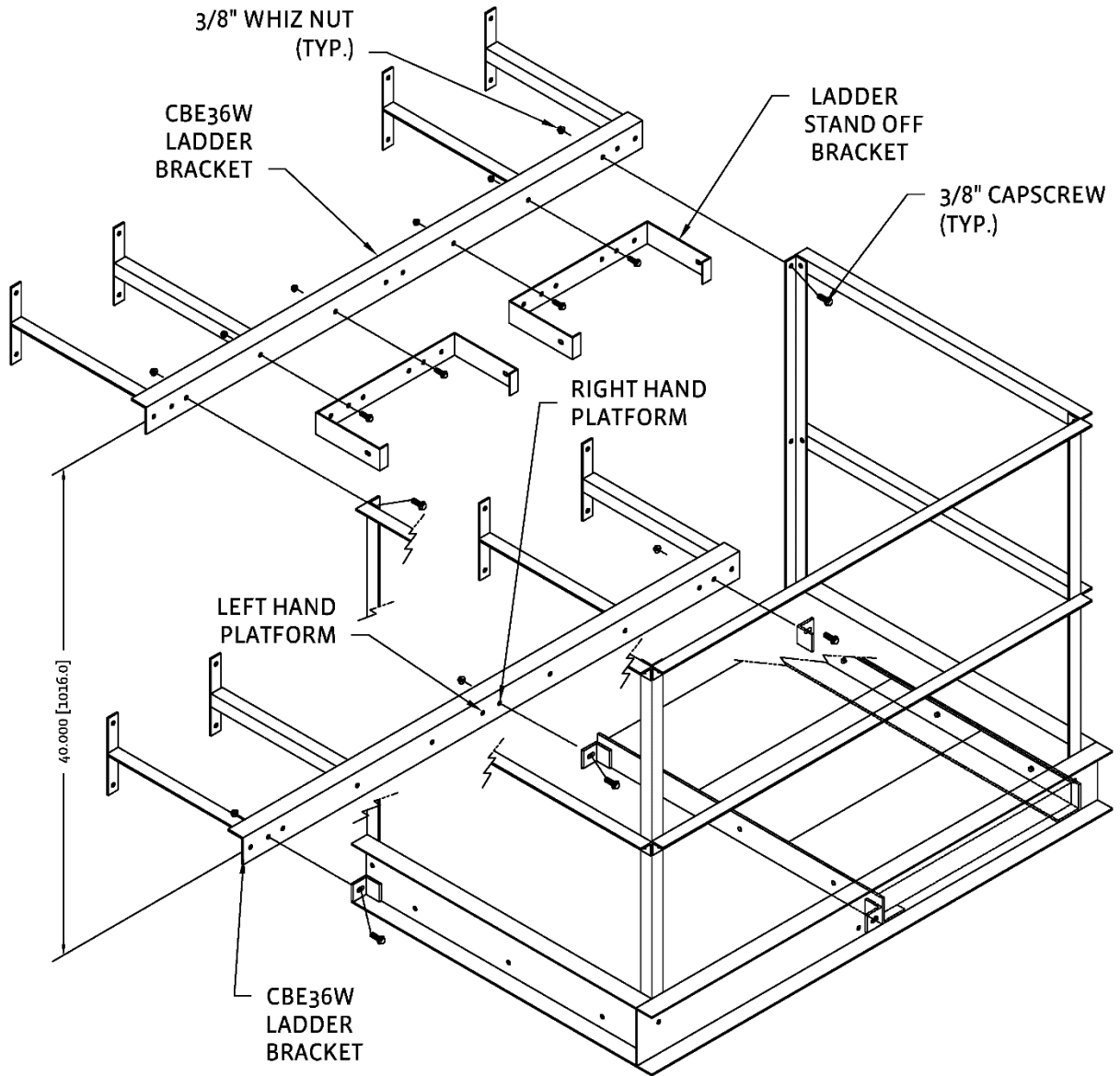
CBE30 RIGHT HAND DRIVE APPLICATION ONLY



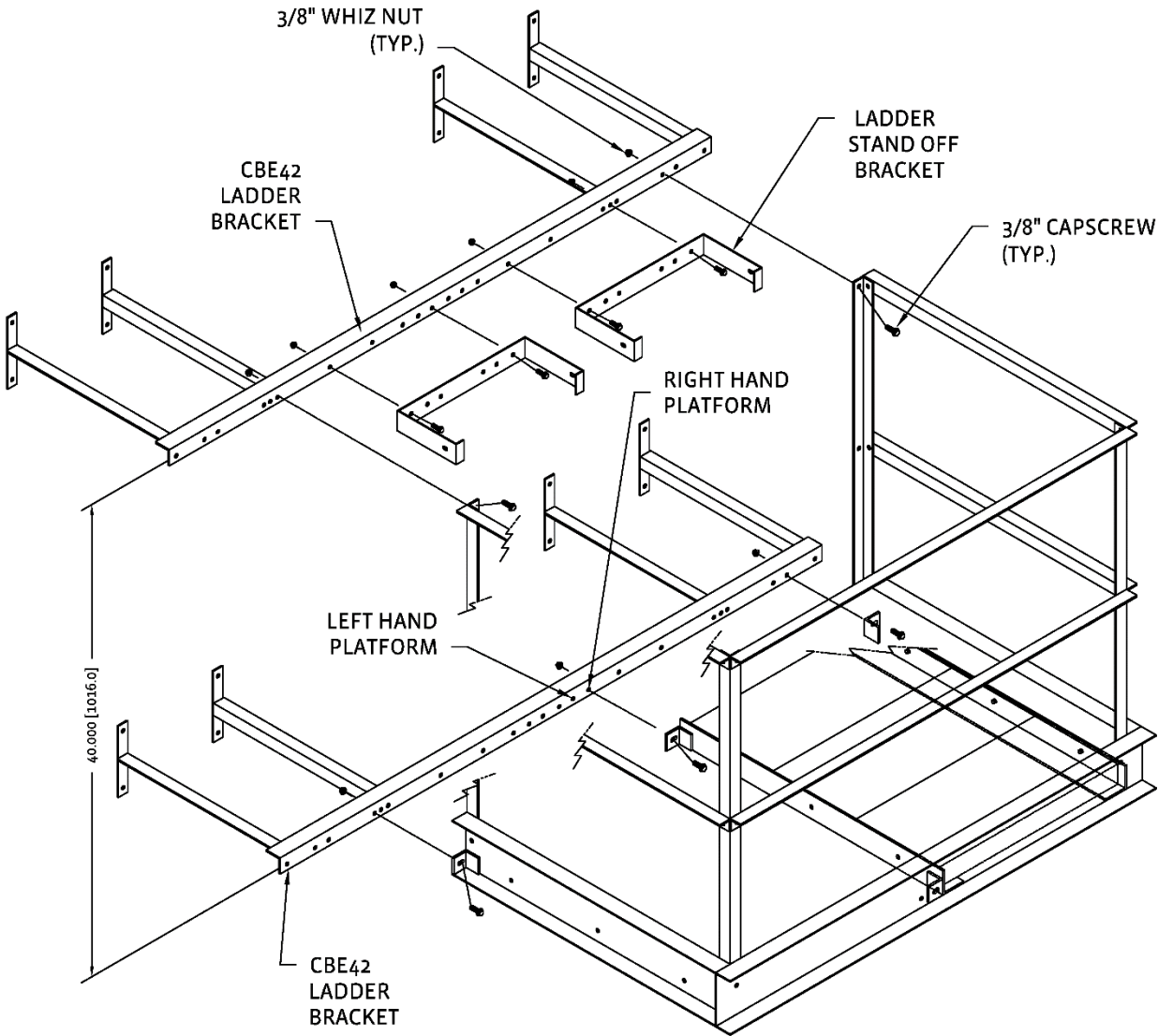
CBE36 RIGHT & LEFT HAND DRIVE APPLICATION



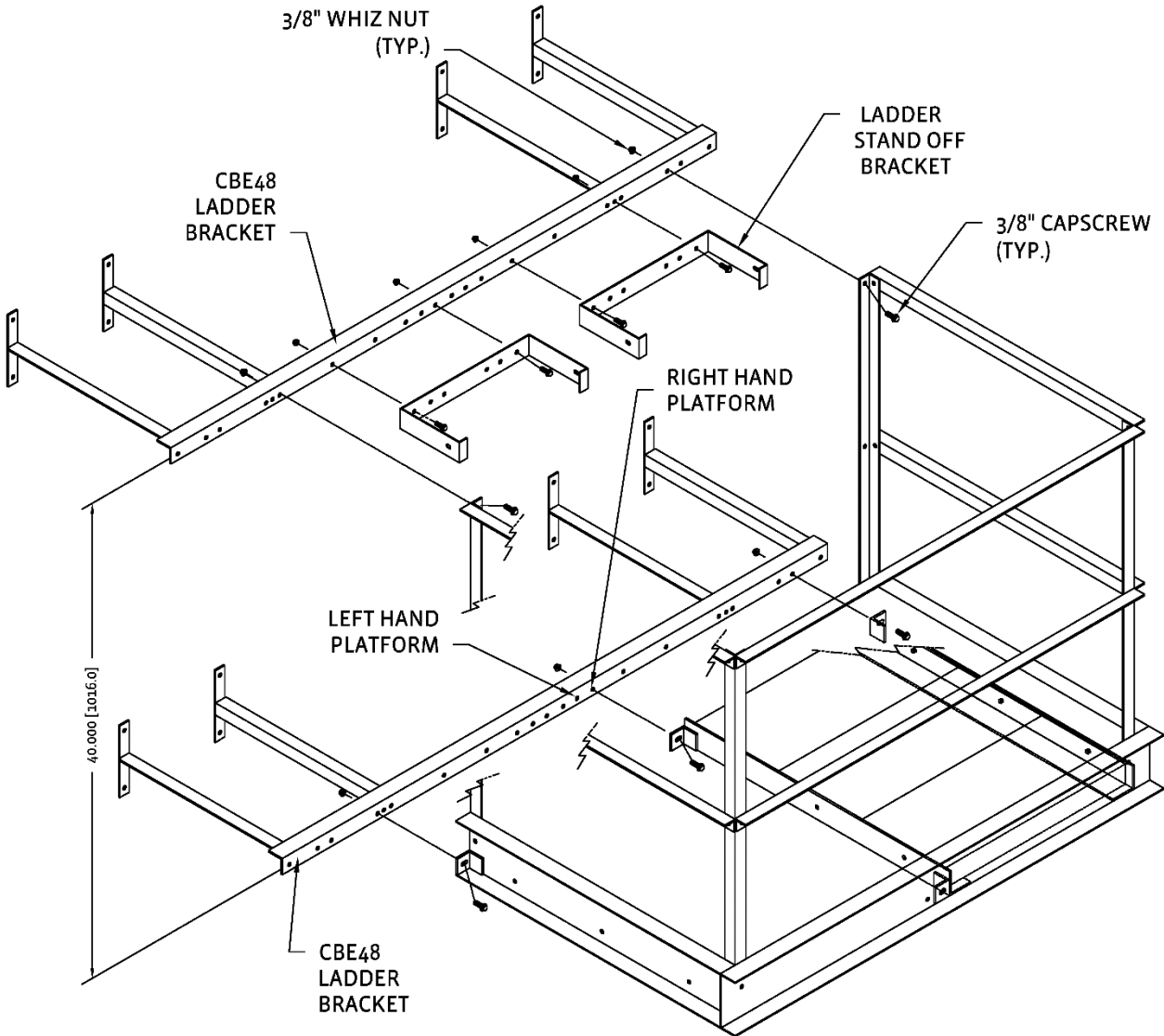
CBE36W RIGHT & LEFT HAND DRIVE APPLICATION



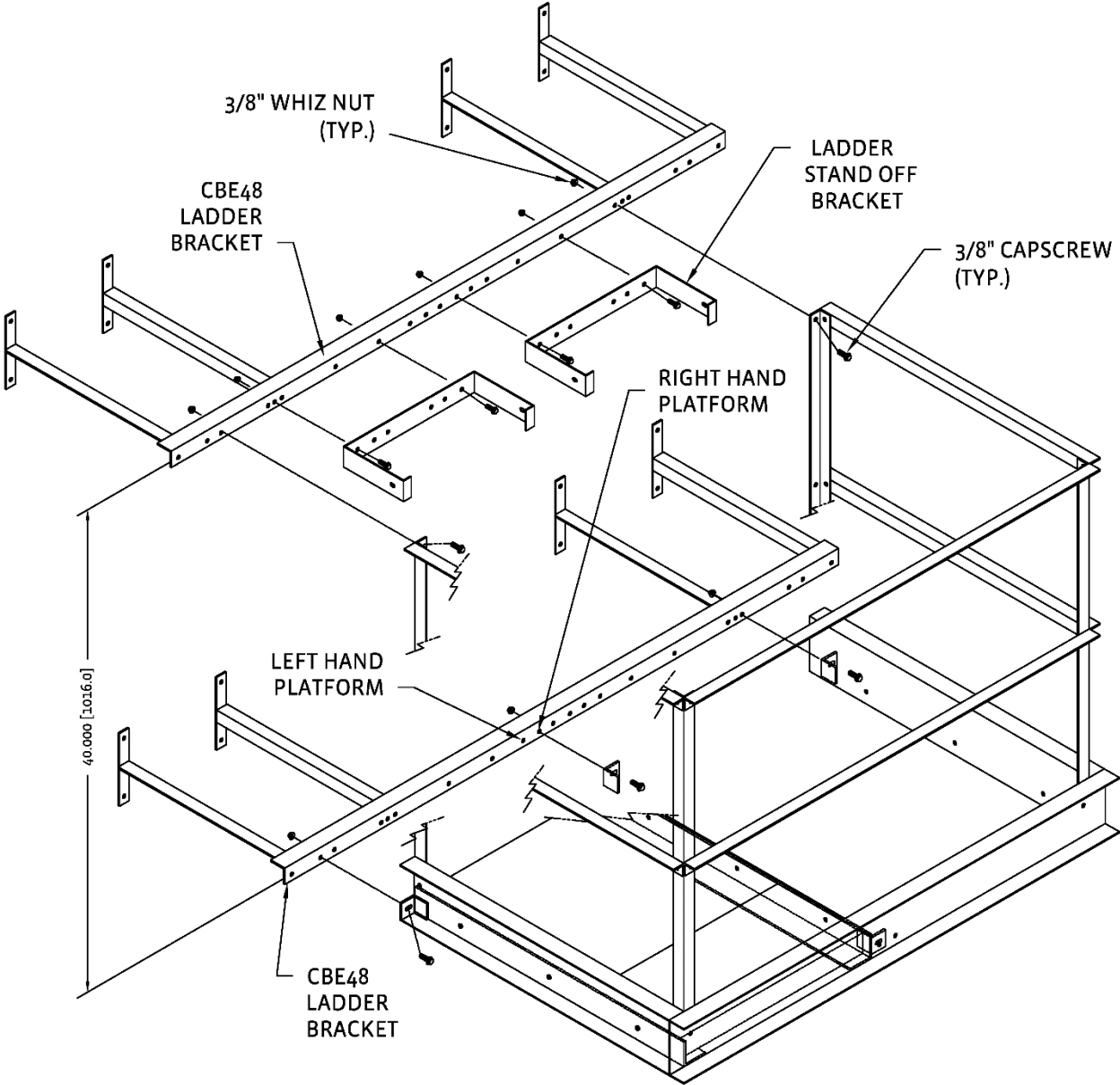
CBE42 RIGHT & LEFT HAND DRIVE APPLICATION



CBE48 LEFT HAND DRIVE APPLICATION ONLY



CBE48 RIGHT HAND DRIVE APPLICATION ONLY



Distributor Platform Installation

Refer to the detailed assembly drawings provided with shipment. The following information will assist with installation.

The distributor access platform is installed a minimum distance of 7' (2.13m) below the head service platform. Before installation it is recommended that the distributor location be determined for proper positioning of the distributor platform.

Begin by attaching the platform support to the front side of the leg section using the existing hardware from the trunking. In addition models 36W – 48 include a clamp bracket.

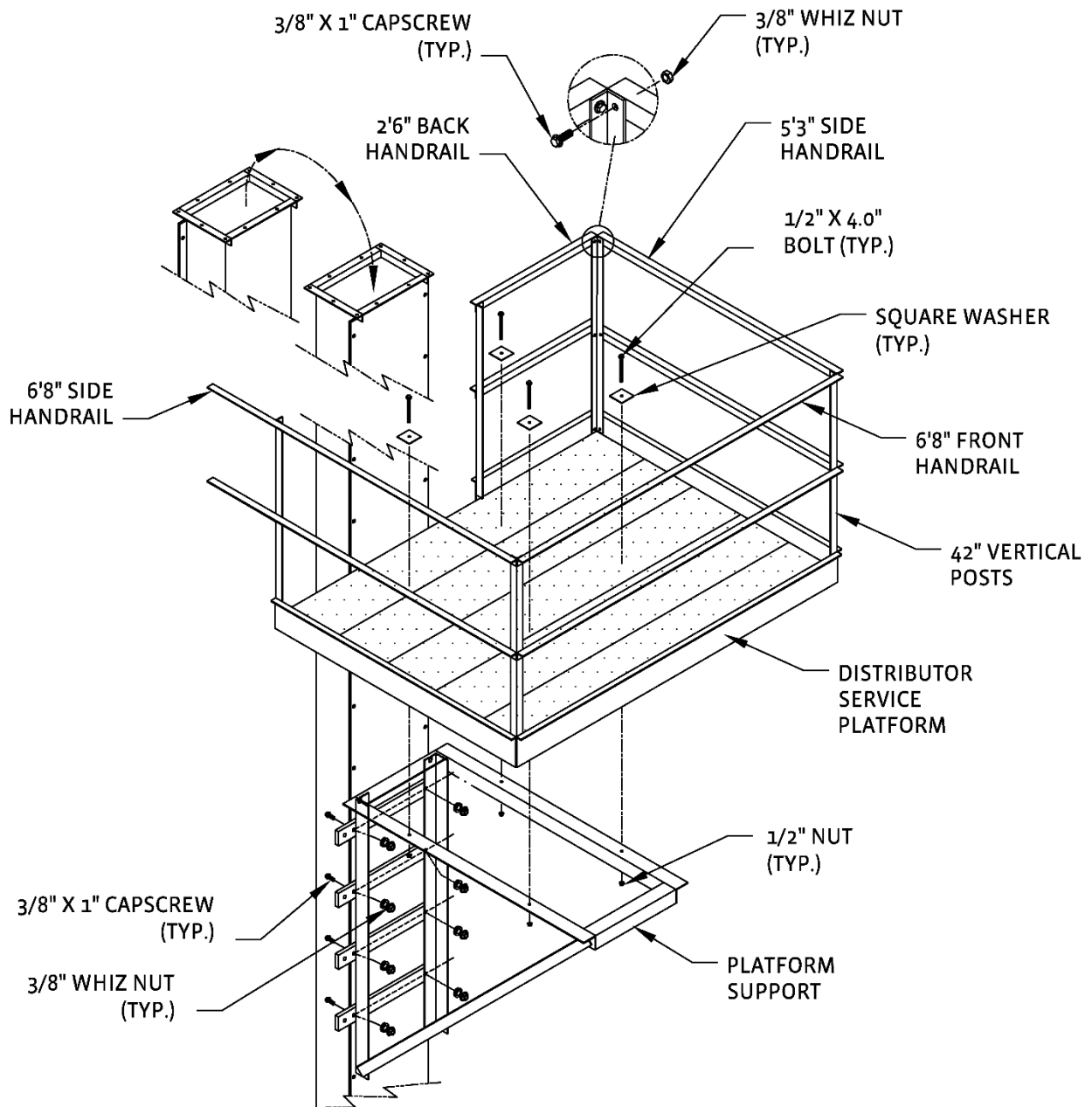
Next position the platform in the center of the platform support and attach using 1/2" x 4" (1.27cm x 10.16cm) bolts as shown in the following illustrations.

Finally attach the vertical posts and handrails to the platform.

Important Note: Handrails that are 6'-8" (2.02m) in length will be attached to the platform side that is below the head service ladder platform door. The handrail will extend beyond the edge of the platform.

Important Note: On the Model 10 platform attach the platform support bracket to the leg section using the inside holes located on the platform support. Fasten the platform support using the hardware removed from the leg section.

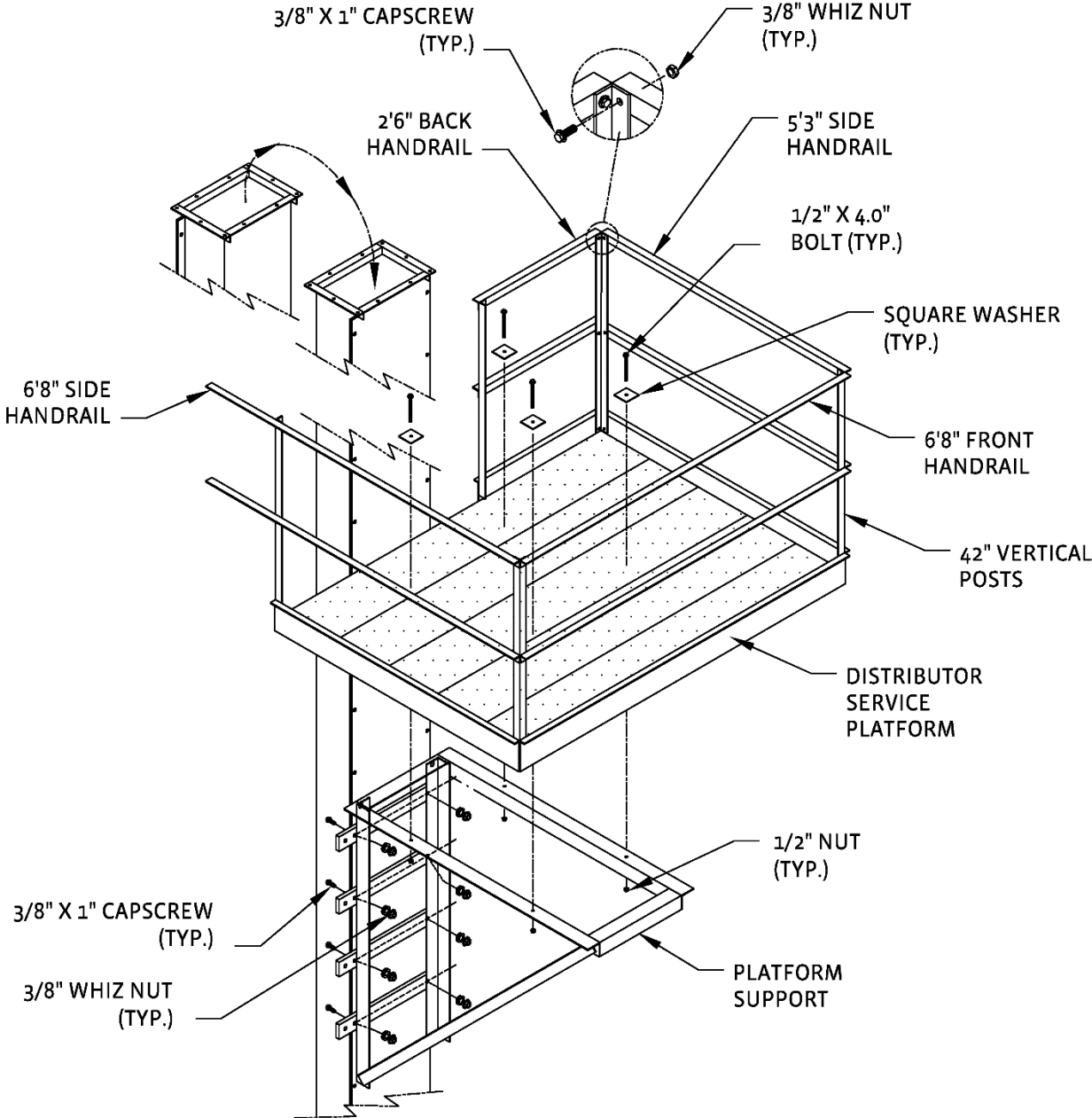
MODEL 10 (10x8-1/2" TRUNKING)



BOLTED FLANGE SECTION SHOWN WITH PLATFORM SUPPORT

Important Note: On the Model 16 platform attach the platform support bracket to the leg section using the outside holes located on the platform support. Fasten the platform support using the hardware removed from the leg section

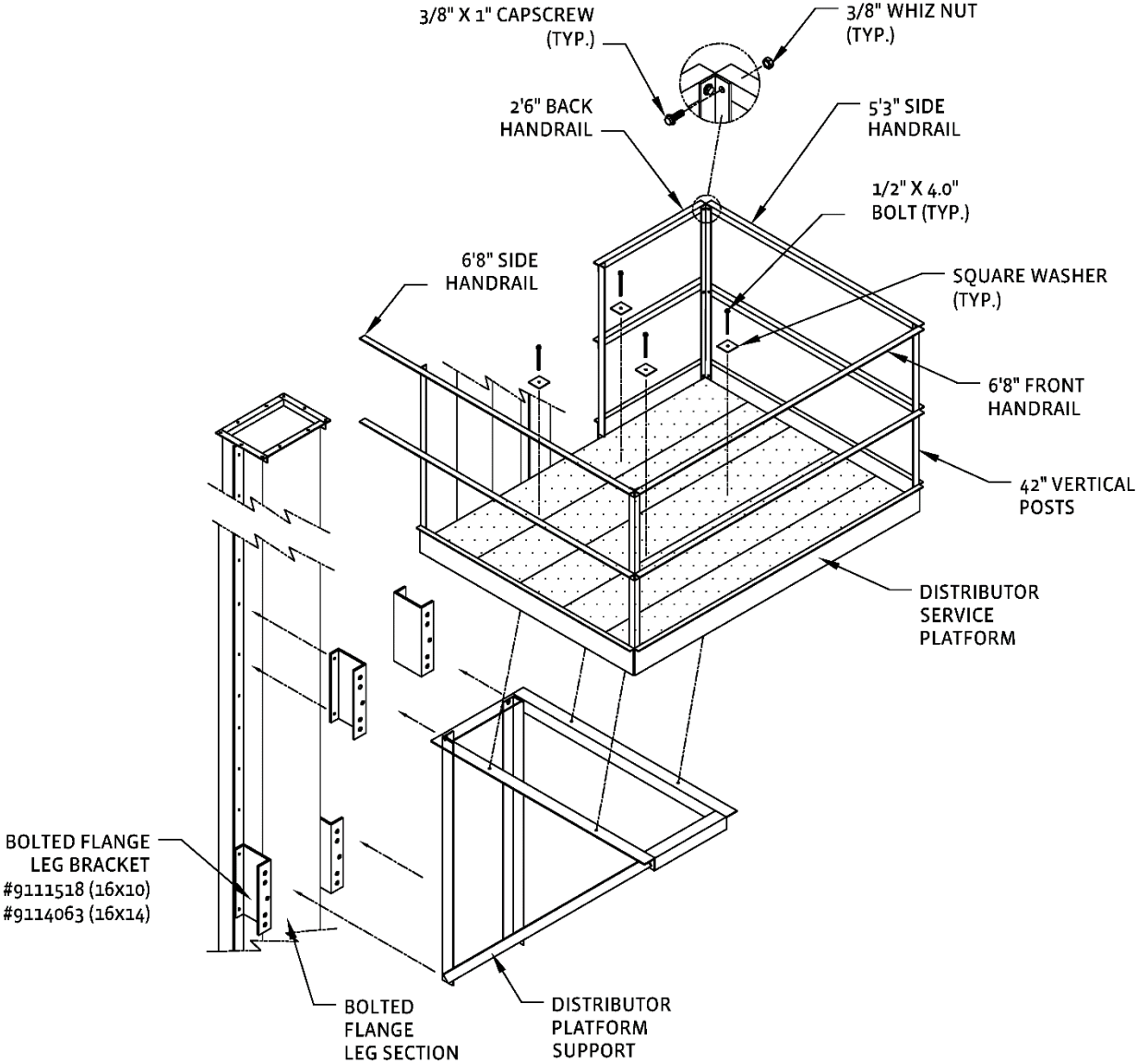
MODEL 16 (13x10 TRUNKING)



DISTRIBUTOR PLATFORM WITH BOLTED FLANGE SECTION

Important Note: On Model 24W and 36 platforms attach the platform support bracket to the leg bracket using 1/2" x 2" (1.27cm x 5.08cm) bolts. The leg bracket will be attached to the flange of the leg section. Fasten the leg bracket using the hardware removed from the leg section.

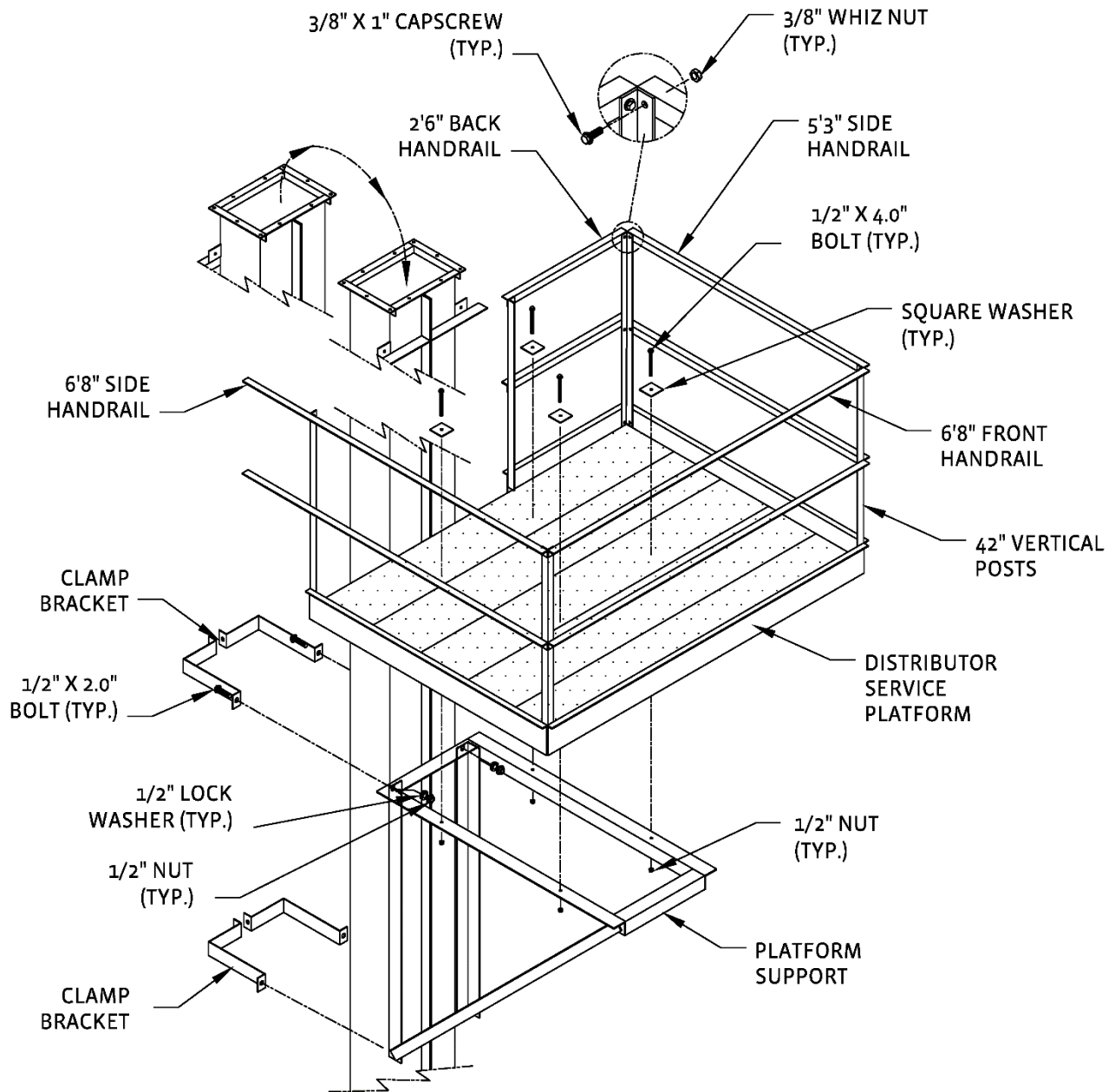
MODEL 24W-36 (16x10 AND 16x14 TRUNKING)



DISTRIBUTOR PLATFORM WITH BOLTED FLANGE BRACKET

Important Note: On Model 36W and 48 platforms attach the platform support bracket to the leg clamp bracket using 1/2" x 2" (1.27cm x 5.08cm) bolts. The leg clamp bracket will be attached to the flange of the leg section. Fasten the leg clamp bracket using the hardware removed from the leg section.

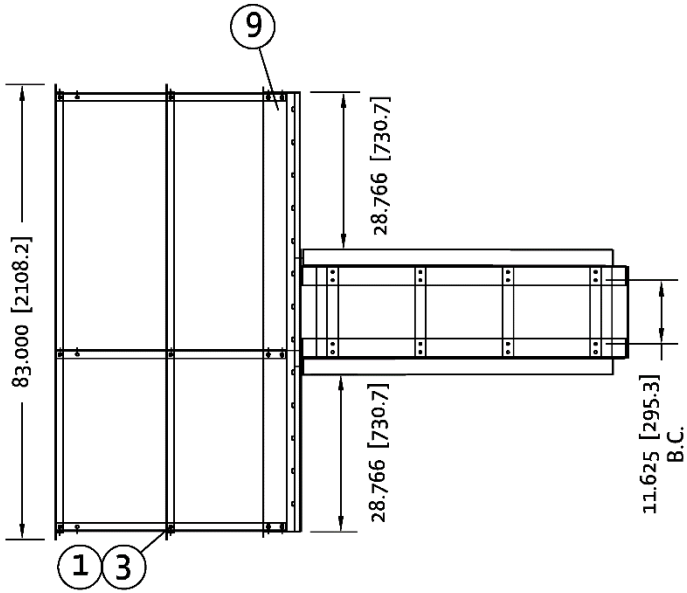
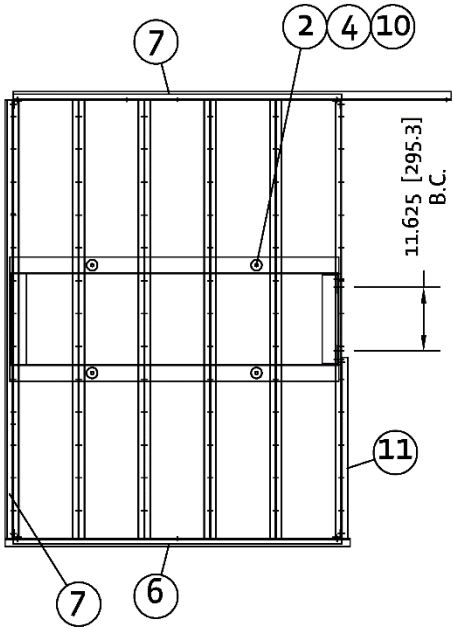
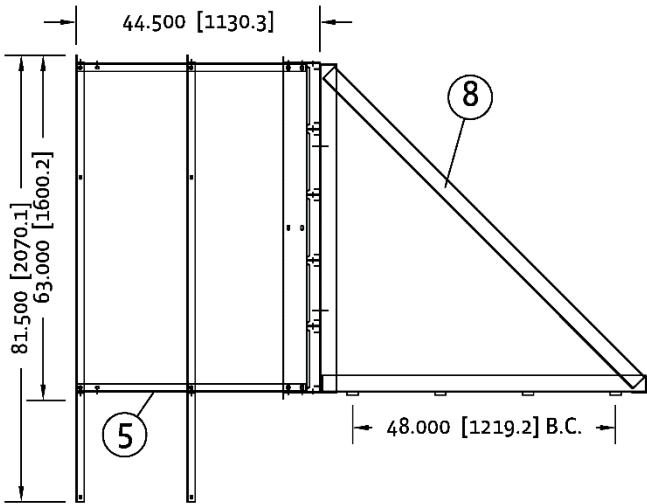
MODEL 36W-48 (20X14 TRUNKING)



DISTRIBUTOR PLATFORM WITH BOLTED FLANGE BRACKET

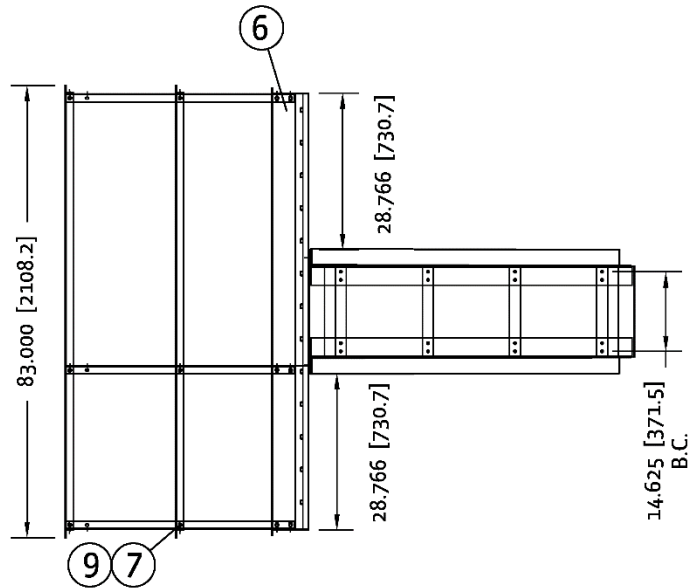
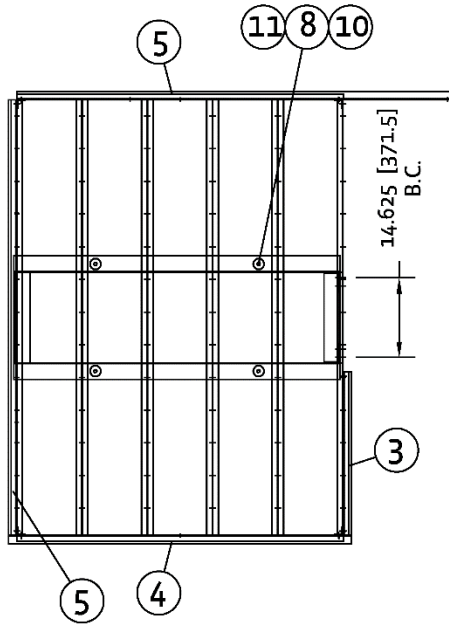
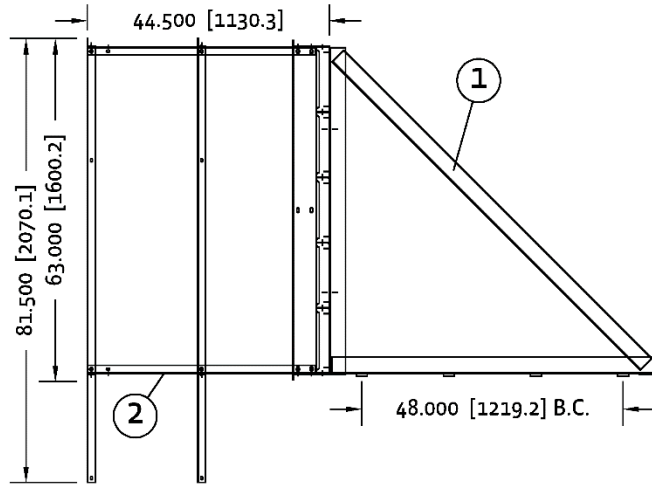
DISTRIBUTOR PLATFORM (9429654)
 CBE10 RH LADDER BOLTED FLANGE

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 50 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 2 | 4 | 708049 | BOLT,CB,1/2-13X4.0,PLTD |
| 3 | 50 | 708172 | NUT,3/8-16,HEX,PLTD |
| 4 | 4 | 753269 | WASHER,FLAT,3/4X2.00X.148 |
| 5 | 5 | 9464412 | POST HAND RAIL X 42" |
| 6 | 2 | 9465823 | RAIL HAND X 063" |
| 7 | 4 | 9465831 | RAIL HAND X 080" |
| 8 | 1 | 9111911 | SUPT DIST PLTFRM CBE1624 BLTFLG |
| 9 | 1 | 9124041 | PLATFORM CBE10 DIST WLD RHLAD |
| 10 | 4 | 963481 | NUT,1/2-13,HEXGR5,JS500 |
| 11 | 2 | 91114639 | RAIL HAND X 032.75" E162430HSPBLT |
| 12 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |



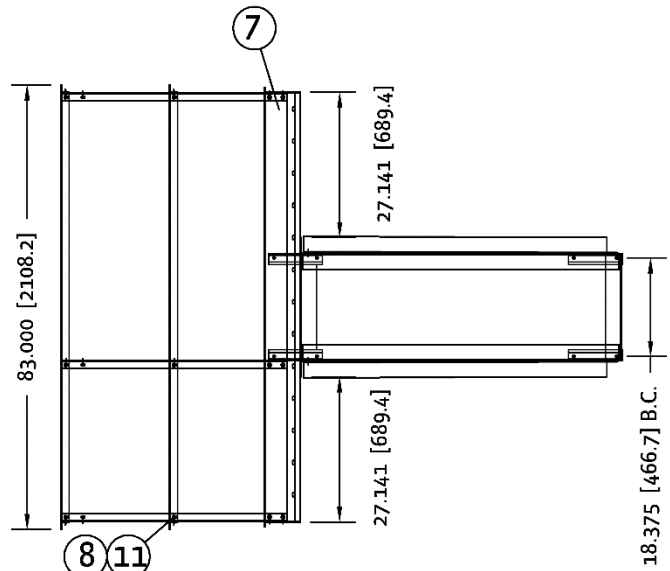
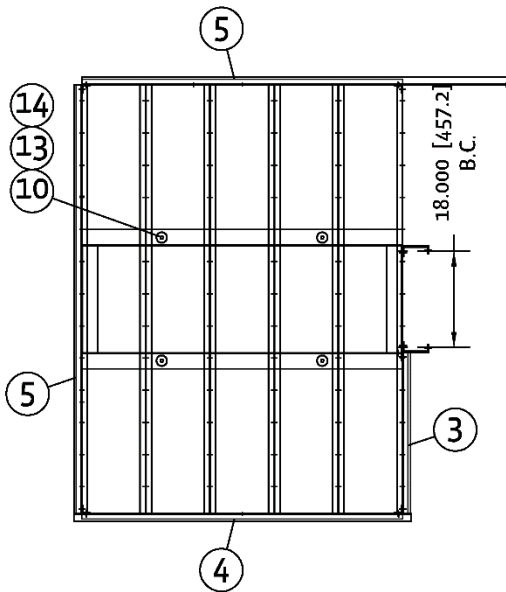
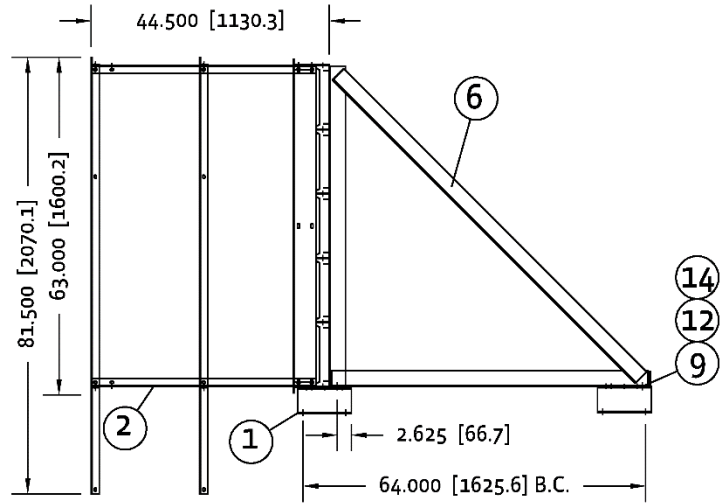
DISTRIBUTOR PLATFORM (9111910)
CBE16 RH LADDER BOLTED FLANGE

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 1 | 9111911 | SUPT DIST PLTFRM CBE1624 BLTFLG |
| 2 | 5 | 9464412 | POST HAND RAIL X 42" |
| 3 | 2 | 9465815 | RAIL HAND X 030" |
| 4 | 2 | 9465823 | RAIL HAND X 063" |
| 5 | 4 | 9465831 | RAIL HAND X 080" |
| 6 | 1 | 9488551 | PLATFORM CBE16-24-36-WLD RHLAD |
| 7 | 50 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 8 | 4 | 708049 | BOLT,CB,1/2-13X4.0,PLTD |
| 9 | 50 | 708172 | NUT,3/8-16,HEX,PLTD |
| 10 | 4 | 753269 | WASHER,FLAT,3/4X2.00X.148 |
| 11 | 4 | 963481 | NUT,1/2-13,HEXGR5,PLTD,JS500 |
| 12 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |



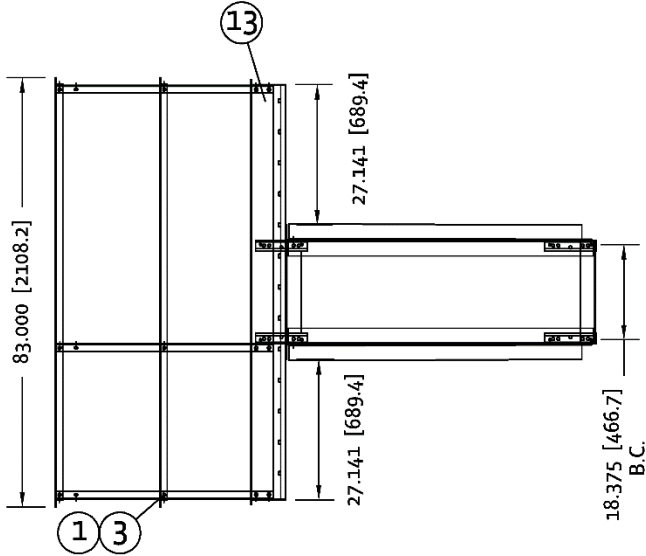
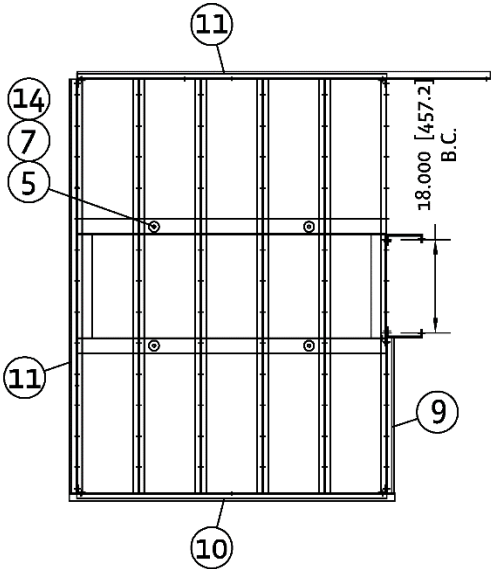
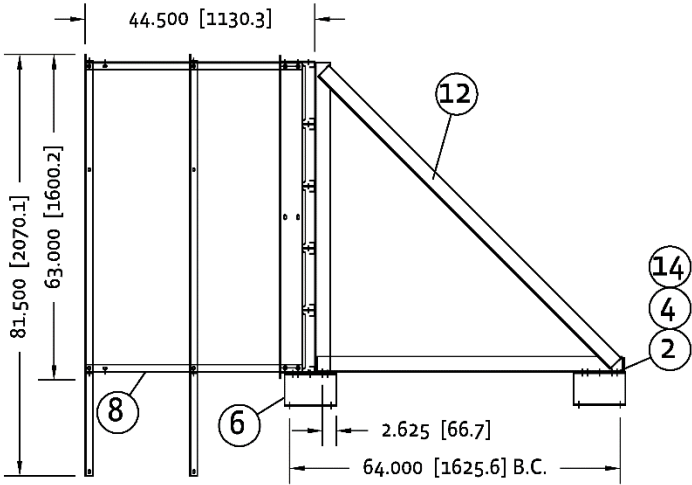
DISTRIBUTOR PLATFORM (9230169)
CBE24W/30 RH LADDER BOLTED FLANGE

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 4 | 9111518 | BRKT 16X10 BLTFLG DIST/GUY/CBLCNT |
| 2 | 5 | 9464412 | POST HAND RAIL X 42" |
| 3 | 2 | 9465815 | RAIL HAND X 030" |
| 4 | 2 | 9465823 | RAIL HAND X 063" |
| 5 | 4 | 9465831 | RAIL HAND X 080" |
| 6 | 1 | 9471714 | SUPT DIST PLTFRM CBE16/24/30/36 |
| 7 | 1 | 9488551 | PLATFORM CBE16-24-36-WLD RHLAD |
| 8 | 50 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 9 | 4 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 10 | 4 | 708049 | BOLT,CB,1/2-13X4.0,PLTD |
| 11 | 50 | 708172 | NUT,3/8-16,HEX,PLTD |
| 12 | 4 | 708339 | WASHER,LOCK,1/2,PLTD |
| 13 | 4 | 753269 | WASHER,FLAT,3/4X2.00X.148 |
| 14 | 8 | 963481 | NUT,1/2-13,HEXGR5,PLTD,JS500 |
| 15 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |



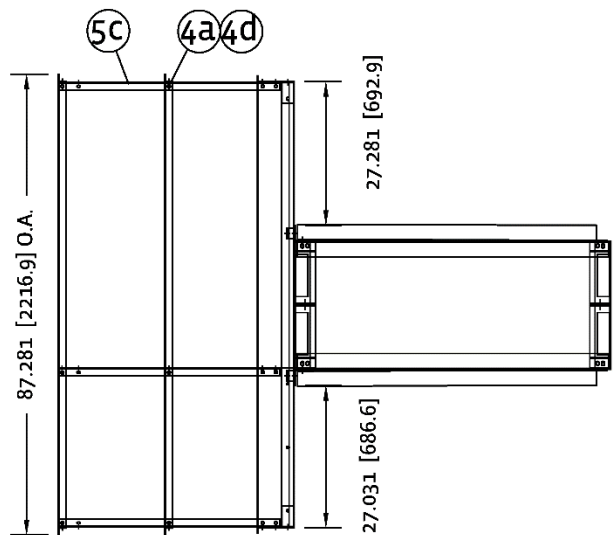
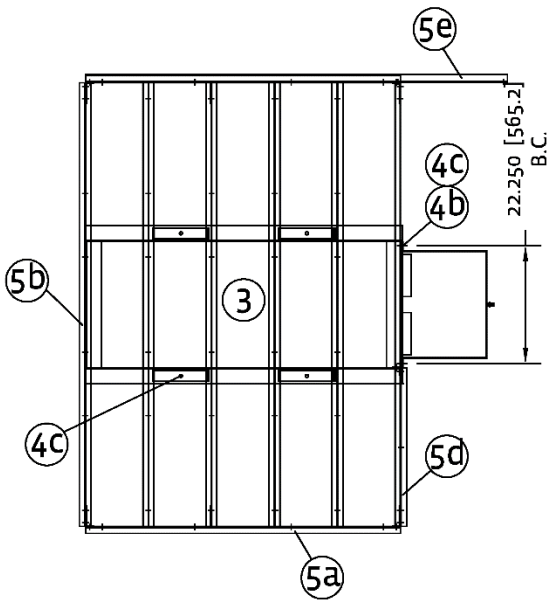
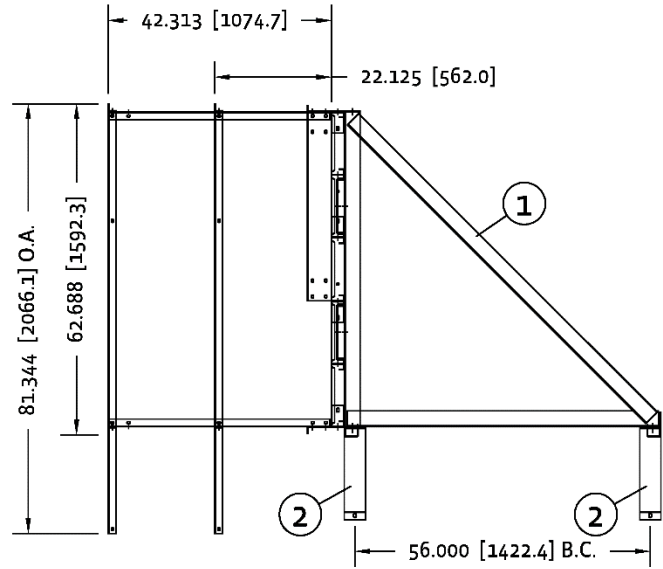
DISTRIBUTOR PLATFORM (9465765)
CBE36

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-----------------------------------|
| 1 | 50 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 2 | 4 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 3 | 50 | 708172 | NUT,3/8-16,HEX,PLTD |
| 4 | 4 | 708339 | WASHER,LOCK,1/2,PLTD |
| 5 | 4 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 6 | 4 | 9114063 | BRKT 16X14 BLTFLG DIST/GUY/CBLCNT |
| 7 | 4 | 9235283 | WASHER,REST PLATFORM |
| 8 | 5 | 9464412 | POST HAND RAIL X 42" |
| 9 | 2 | 9465815 | RAIL HAND X 030" |
| 10 | 2 | 9465823 | RAIL HAND X 063" |
| 11 | 4 | 9465831 | RAIL HAND X 080" |
| 12 | 1 | 9471714 | SUPT DIST PLTFRM CBE16/24/30/36 |
| 13 | 1 | 9488551 | PLTFRM CBE16-24W-36 DSHWDRHLAD |
| 14 | 8 | 963481 | NUT,1/2-13,HEXGR5,PLTD,JS500 |



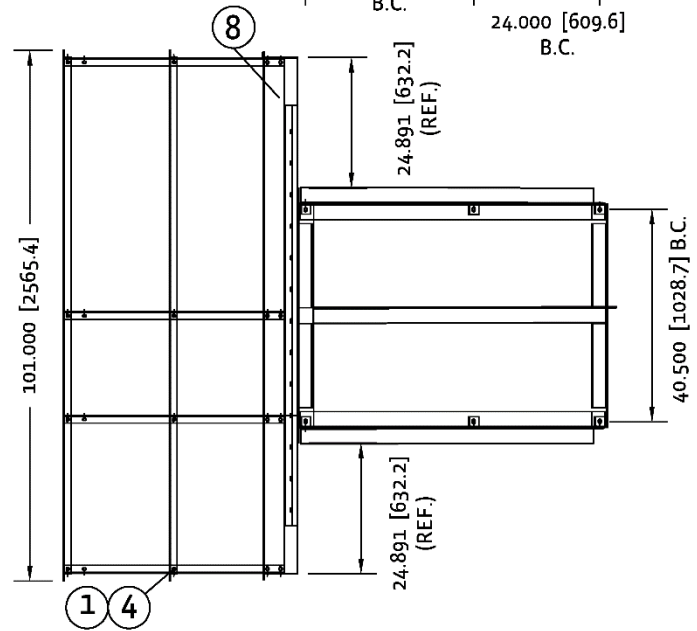
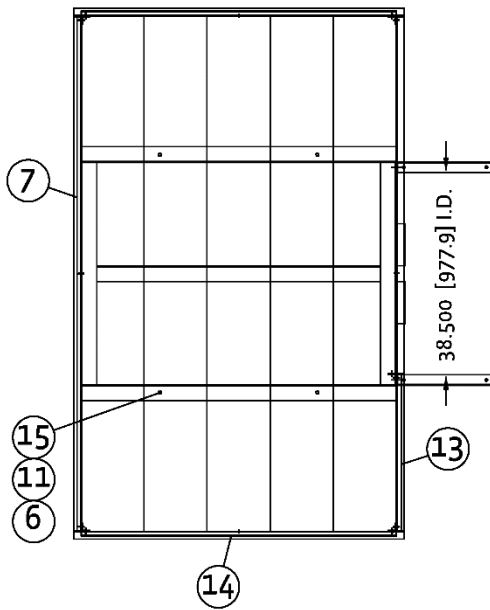
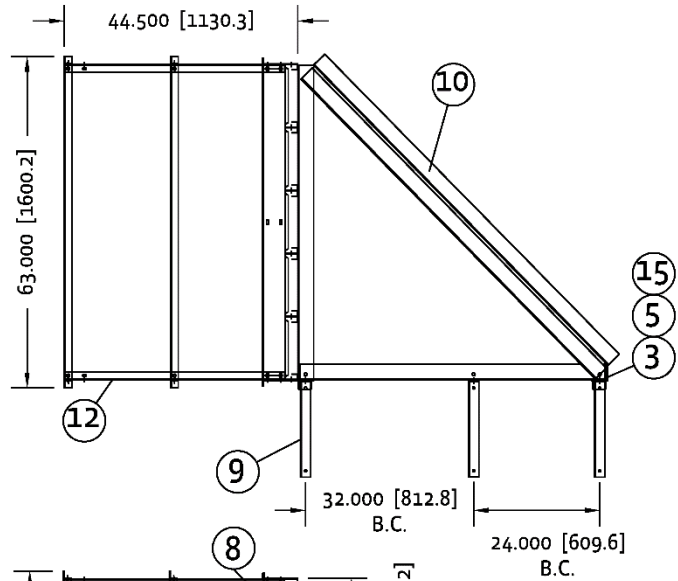
DISTRIBUTOR PLATFORM (9117414)
CBE36W/48 BOLTED ASSEMBLY

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-----------------------------------|
| 1 | 1 | 9111365 | SUPT DIST PLTFRM CBE20X14 BLTFLG |
| 2 | 4 | 9111367 | BRKT CLAMP 20X14 BLT FLG |
| 3 | 1 | 9117420 | PLATFORM CBE10-48 DIST PLANK ASSY |
| 4 | 1 | 9117421 | HDWR PKG CBE30-48 DIST PLATFORM |
| 4a | 35 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 4b | 4 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 4c | 8 | 773812 | NUT,1/2-13,HEX-WHIZFLNG,PLTD |
| 4d | 35 | 785907 | NUT,3/8-16,HEX-WHIZFLNG,PLTD |
| 5 | 1 | 9117422 | KIT PLATFORM CBE10-48 DIST 1.5ANG |
| 5a | 2 | 9114697 | RAIL HAND X 060" DIST BLT |
| 5b | 2 | 9117427 | RAIL HAND X 084" DIST BLT |
| 5c | 5 | 9464412 | POST HAND RAIL X 42" |
| 5d | 2 | 9465815 | RAIL HAND X 030" |
| 5e | 2 | 9465831 | RAIL HAND X 080" |



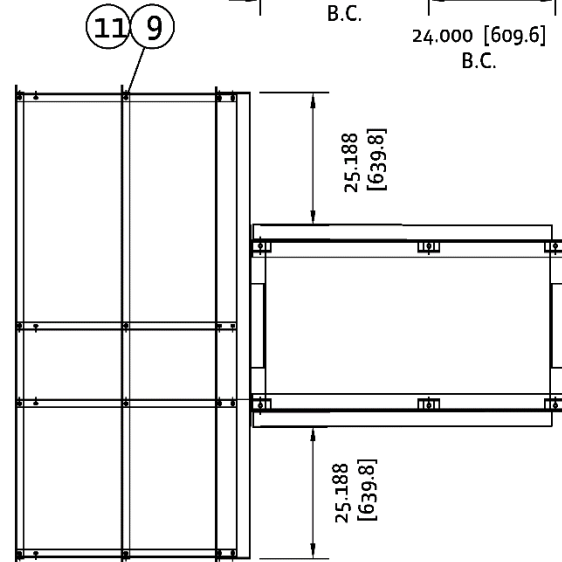
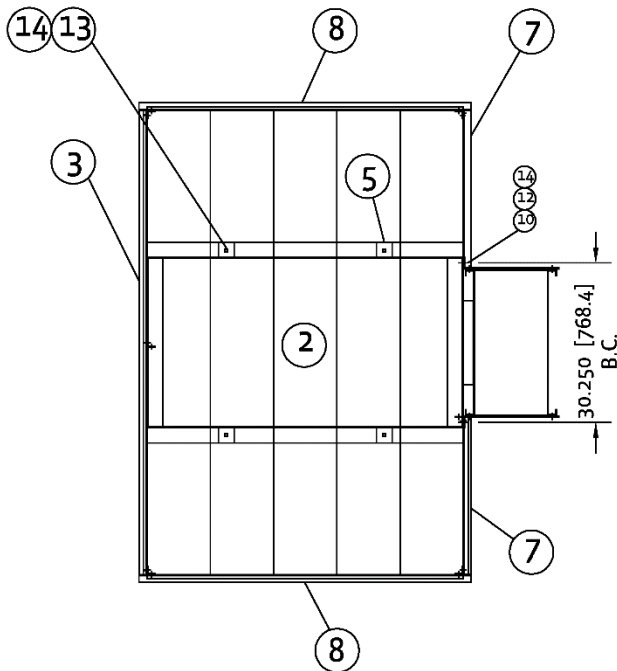
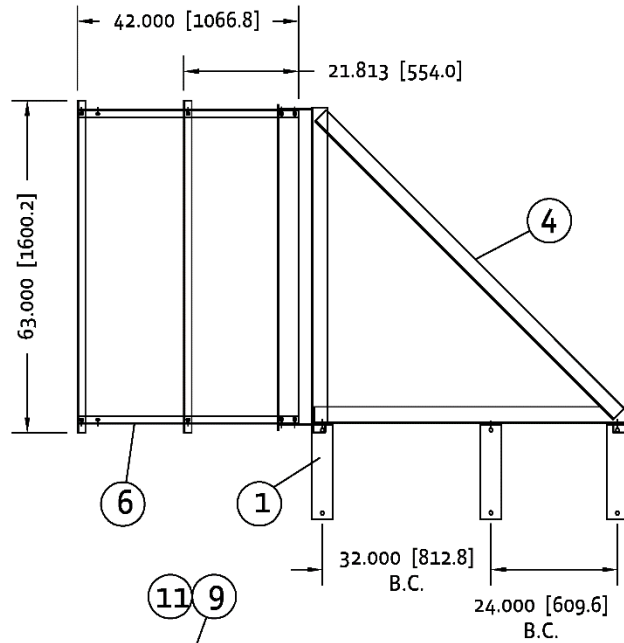
DISTRIBUTOR PLATFORM (9106274)
CBE42-20

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 50 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 2 | 30 | 707992 | BOLT,HHCS,3/8-16X1.50,GR5,PLTD |
| 3 | 4 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 4 | 80 | 708172 | NUT,3/8-16,HEX,PLTD |
| 5 | 4 | 708339 | WASHER,LOCK,1/2,PLTD |
| 6 | 4 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 7 | 2 | 9104595 | RAIL HAND X 098" |
| 8 | 1 | 9104597 | PLATFORM CBE48-30 WLDM RHLADDR |
| 9 | 6 | 9104602 | BRKT ANGLE CBE42-20 WLDM |
| 10 | 1 | 9104603 | SUPT DIST PLTFRM CBE42-20 BLTFLG |
| 11 | 4 | 9235283 | WASHER, REST PLATFORM |
| 12 | 5 | 9464412 | POST HAND RAIL X 42" |
| 13 | 2 | 9465815 | RAIL HAND X 030" |
| 14 | 4 | 9465823 | RAIL HAND X 063" |
| 15 | 8 | 963481 | NUT,1/2-13,HEXGR5,PLTD,JSS00 |
| 16 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |



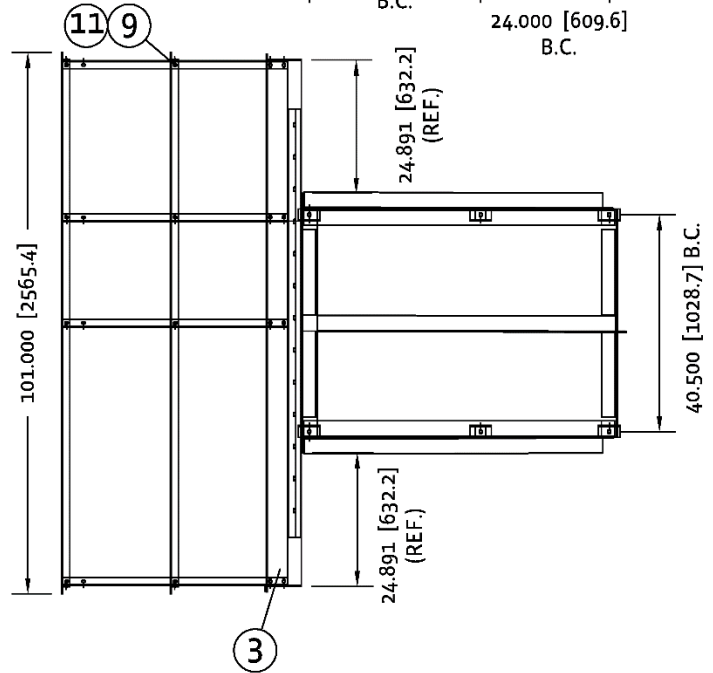
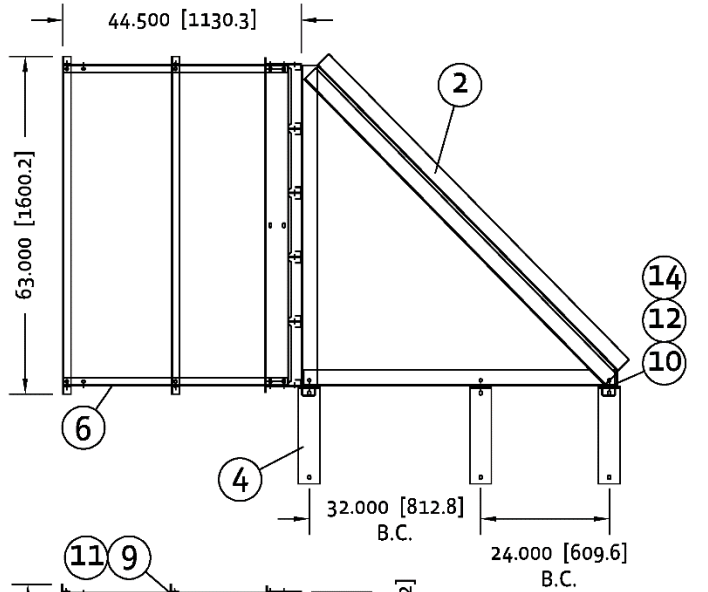
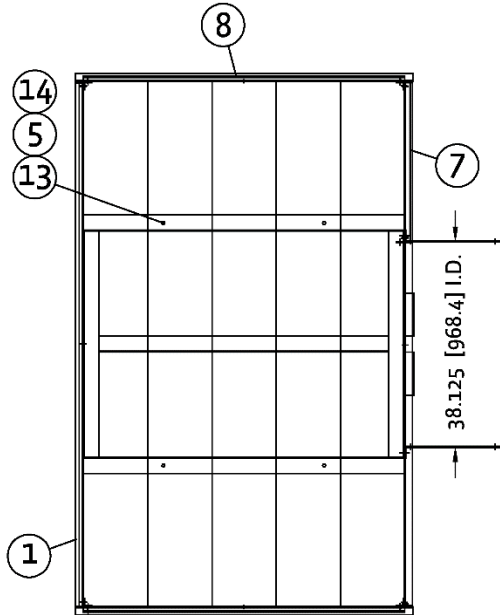
DISTRIBUTOR PLATFORM (9178052)
CBE48-30 RH BOLTED FLANGE

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 6 | 9117079 | BRKT CLAMP 38x14 BLT FLG |
| 2 | 1 | 9178941 | PLATFORM CBE48-20 WLDM RHLADDR |
| 3 | 2 | 9178950 | RAIL HAND X 088" |
| 4 | 1 | 9178968 | SUPT DIST PLTFRM CBE48-20 |
| 5 | 4 | 9235283 | WASHER, REST PLATFORM |
| 6 | 6 | 9464412 | POST HAND RAIL X 42" |
| 7 | 2 | 9465815 | RAIL HAND X 030" |
| 8 | 4 | 9465823 | RAIL HAND X 063" |
| 9 | 50 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 10 | 4 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 11 | 50 | 708172 | NUT,3/8-16,HEX,PLTD |
| 12 | 4 | 708339 | WASHER,LOCK,1/2,PLTD |
| 13 | 4 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 14 | 8 | 963481 | NUT,1/2-13,HEXGR5,PLTD,JS500 |
| 15 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |



DISTRIBUTOR PLATFORM (9117077)
CBE48-30 RH BOLTED FLANGE

| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------------------------------|
| 1 | 2 | 9104595 | RAIL HAND X 098" |
| 2 | 1 | 9104603 | SUPT DIST PLTFRM CBE42-20 BLTFLG |
| 3 | 1 | 9117078 | PLATFORM CBE48-30 DIST WDLHLDR |
| 4 | 6 | 9117079 | BRKT CLAMP 38X14 BLT FLG |
| 5 | 4 | 9235283 | WASHER, REST PLATFORM |
| 6 | 6 | 9464412 | POST HAND RAIL X 42" |
| 7 | 2 | 9465815 | RAIL HAND X 030" |
| 8 | 4 | 9465823 | RAIL HAND X 063" |
| 9 | 60 | 707976 | BOLT,HHCS,3/8-16X1.0,GR5,PLTD |
| 10 | 4 | 708016 | BOLT,HHCS,1/2-13X2.0,GR5,PLTD |
| 11 | 60 | 708172 | NUT,3/8-16,HEX,PLTD |
| 12 | 4 | 708339 | WASHER,LOCK,1/2,PLTD |
| 13 | 4 | 773820 | BOLT,HHCS,1/2-13X4.0,GR5,PLTD |
| 14 | 8 | 963481 | NUT,1/2-13,HEXGR5,PLTD,JS500 |
| 15 | 1 | 200295 | MANUAL,LADDER/PTF,CBE10-48,#1147,AG |

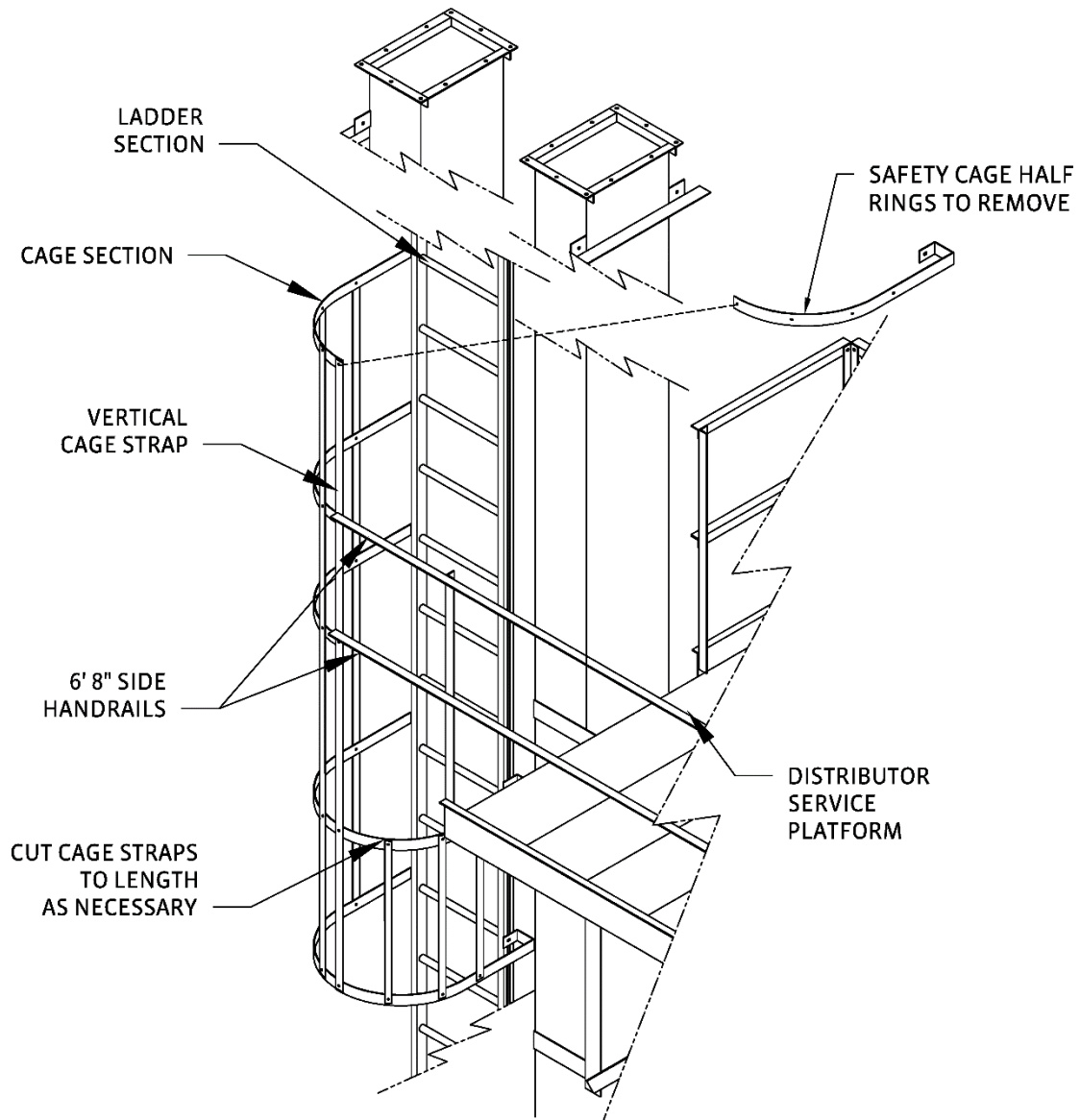


Distributor Safety Cage

Start by removing the safety cage half rings closest to the distributor platform between the distributor platform and the head service platform.

Next bolt the end of 2 existing safety cage half rings that match closely to the ends of the handrails that are 6'-8" (2.02m) in length. New attachment holes will need to be drilled in the vertical cage straps.

Finally trim the vertical cage straps in the area where the safety cage half rings were removed as shown in the following illustration.



DISTRIBUTOR SAFETY CAGE CUSTOMIZATION



Should you have any questions concerning assembly instructions, parts or drawings, please feel free to contact us at any of the following.

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