12' Tower Dryer Fan Style Catwalk Assembly

Installation Manual

PNEG-1853

Version: 4.0

Date: 04-01-19

All information, illustrations, photos and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

Contents

1. Introduction

READ THIS MANUAL carefully to learn how to properly use and install equipment. Failure to do so could result in personal injury or equipment damage.

INSPECT the shipment immediately upon arrival. The customer is responsible for ensuring that all quantities are correct. The customer should report and note any damage or shortage on the bill of lading to justify their claim to the transport company.

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your equipment and should be easily accessible when needed.

This warranty provides you the assurance that the company will back its products when defects appear within the warranty period. In some circumstances, the company also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the factory specifications, the warranty will become void and field improvements may be denied.

PNEG-1853 12' Tower Dryer Fan Style Catwalk Assembly

Safety Guidelines

Safety guidelines are general-to-specific safety rules that must be followed at all times. This manual is written to help you understand safe operating procedures and problems that can be encountered by the operator and other personnel when using this equipment. Read and save these instructions.

As owner or operator, you are responsible for understanding the requirements, hazards, and precautions that exist and to inform others as required. Unqualified persons must stay out of the work area at all times.

Alterations must not be made to the equipment. Alterations can produce dangerous situations resulting in SERIOUS INJURY or DEATH.

This equipment must be installed in accordance with the current installation codes and applicable regulations, which must be carefully followed in all cases. Authorities having jurisdiction must be consulted before installations are made.

When necessary, you must consider the installation location relative to electrical, fuel and water utilities.

Personnel operating or working around equipment must read this manual. This manual must be delivered with equipment to its owner. Failure to read this manual and its safety instructions is a misuse of the equipment.

ST-0001-4

Cautionary Symbols Definitions

Cautionary symbols appear in this manual and on product decals. The symbols alert the user of potential safety hazards, prohibited activities and mandatory actions. To help you recognize this information, we use the symbols that are defined below.

⚠ DANGER — This symbol indicates an imminently hazardous situation which, if not avoided, **will result in serious injury or death.**

⚠ WARNING — This symbol indicates a potentially hazardous situation which, if not avoided, **can result in serious injury or death.**

⚠ CAUTION — This symbol indicates a potentially hazardous situation which, if not avoided, **can result in minor or moderate injury.**

NOTICE — This symbol is used to address practices not related to personal injury.

This symbol indicates a general hazard.

This symbol indicates a prohibited activity.
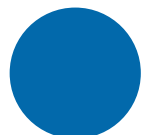
This symbol indicates a mandatory action.

ST-0005-2

Safety Cautions

Use Personal Protective Equipment

- Use appropriate personal protective equipment:

Eye Protection		**Respiratory Protection**	
Hearing Protection		**Head Protection**	
Hand Protection			

		Foot Protection	
		Fall Protection	

- Wear clothing appropriate to the job.

- Remove all jewelry.

- Tie long hair up and back.

ST-0004-1

Follow Safety Instructions

- Carefully read all safety messages in this manual and safety signs on your machine. Keep signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from the manufacturer.

- Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

- If you do not understand any part of this manual or need assistance, contact your dealer.

ST-0002-1

Maintain Equipment and Work Area

- Understand service procedures before doing work. Keep area clean and dry.

- Never service equipment while it is operating. Keep hands, feet, and clothing away from moving parts

- Keep your equipment in proper working condition. Replace worn or broken parts immediately.

ST-0003-1

Stay Clear of Hoisted Equipment

- Always use proper lifting or hoisting equipment when assembling or disassembling equipment.

- Do not walk or stand under hoisted equipment.

- Always use sturdy and stable supports when needed for installation. Not following these safety precautions creates the risk of falling equipment, which can crush personnel and cause serious injury or death.

ST-0047-1

Install and Operate Electrical Equipment Properly

- Electrical controls must be installed by a qualified electrician and must meet the standards set by applicable local codes (National Electrical Code for the US, Canadian Electric Code, or EN60204 along with applicable European Directives for Europe).

- Lock-out power source before making adjustments, cleaning, or maintaining equipment.

- Make sure all equipment and bins are properly grounded.

ST-0075-1

Sharp Edge Hazard

- This product has sharp edges, which can cause serious injury.

- To avoid injury, handle sharp edges with caution and always use proper protective clothing and equipment

ST-0036-2

Fall Hazard

- Keep access door closed while on a platform to avoid falls.

- Always use proper personal protective equipment and proper clothing when using equipment. Failure to follow safety precautions can result in severe injury or death.

ST-0042-2

Fall Hazard

- Ladders, stairways and platforms are for use by competent and trained personnel only. Do not allow children or other unauthorized persons to have access to the equipment.

- Access to the equipment must be restricted by the use of security fencing and lockable gates.

- Lower sections of ladders must be fitted with a lockable safety gate to prevent unauthorized access.

- Make sure that hot surfaces have had adequate time to cool before working on or in the equipment.

- Lock out and tag out power supplies and fuel supplies to all equipment.

- Do not attach lifting equipment to ladders or platforms.

- Do not go outside of the safety rails provided on elevated platforms.

- Do not work at heights during high winds, rain, snow, or ice storms.

ST-0056-1

Platform Load Limit

- The platform load limit is 500 LBS (2.25 kN). Do not exceed this weight.

- Excessive load will damage the platform and cause platform to fall. Severe injury or death will result.

> 500 lbs
(2.25 kN)

ST-0044-2

Confined Space Hazards and Entry Procedures

- Note that the interior of this equipment is considered a confined space. Maintenance of this equipment can require access to the confined space.

- Access doors must be shut and locked except when access is required.

- Doors giving access to dangerous equipment must be safety interlocked.

- The following entry procedures must be followed:

    - Be aware of all possible hazards present inside the confined space and wear personal protective equipment (PPE) as needed.

    - Complete a permit to work and follow all permit required confined space entry procedures defined by the site manager.

    - Make sure that the area has been purged of any hazardous products or gases. Check the atmosphere for harmful gases or vapors with a suitable gas analyzer and make sure levels are safe before entering.

    - Do not smoke or use naked flames.

    - Lock out and tag out power supplies and fuel supplies to all equipment.

    - Do not work alone. Work in teams of at least three so that help is immediately available in the event of an emergency.

    - Confirm that all personnel have safely exited the equipment and tools have been recovered once work is complete.

ST-0055-1

Safety Sign-Off Sheet

Below is a sign-off sheet that can be used to verify that all personnel have read and understood the safety instructions. This sign-off sheet is provided for your convenience and personal record keeping.

Date	Employee Name	Supervisor Name

ST-0007

3. Decals

Safety decals should be read and understood by all people in and around the dryer area. If the following safety decals are not displayed on your dryer or if they are damaged, contact the GSI for replacement:

GSI Decals
1004 E. Illinois St.
Assumption, IL. 62510
Phone: 1-217-226-4421

DANGER

DO NOT EXCEED PLATFORM LOAD LIMIT

Load limit = 1000 LBS. (4.50 kN)

Excessive load will damage platform and cause platform to fall.

Injury or death will result.

> 1000 lbs (4.50 kN)

DC-2188

DC-2188

Background: White
Colors: Black, Safety Red (PMS 485C), Safety Yellow (PMS 109C)
Size: 3.0" x 7.0"

12' Outside Fan Style Catwalk Assembly Instructions (GT4-1039-12F)

Installing Z-Clips (GT1-2036)

1. Bolt Z-clip (GT1-2036) to all vertical channels (GT1-0001). The Z-clip can be installed on each vertical channel as wall sheets are installed using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 4A and Figure 4B.)*

Vertical channel (GT1-0001)

Wall sheet

Z-Clip (GT1-2036)

Figure 4A

NOTE: *Wall sheets are not shown for clarity.*

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Z-Clip (GT1-2036)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Vertical channel (GT1-0001)

Detail A

See detail A

NOTE: *The direction of the flange on the bracket must be oriented this way to ensure proper alignment of the catwalk.*

Figure 4B

Installing Swing Gate Stop (GT1-2045)

1. Identify the ladder opening vertical channel and install the swing gate stop (GT1-2045) to the vertical channel (GT1-0001) as wall sheets are installed using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 4C and Figure 4D.)*
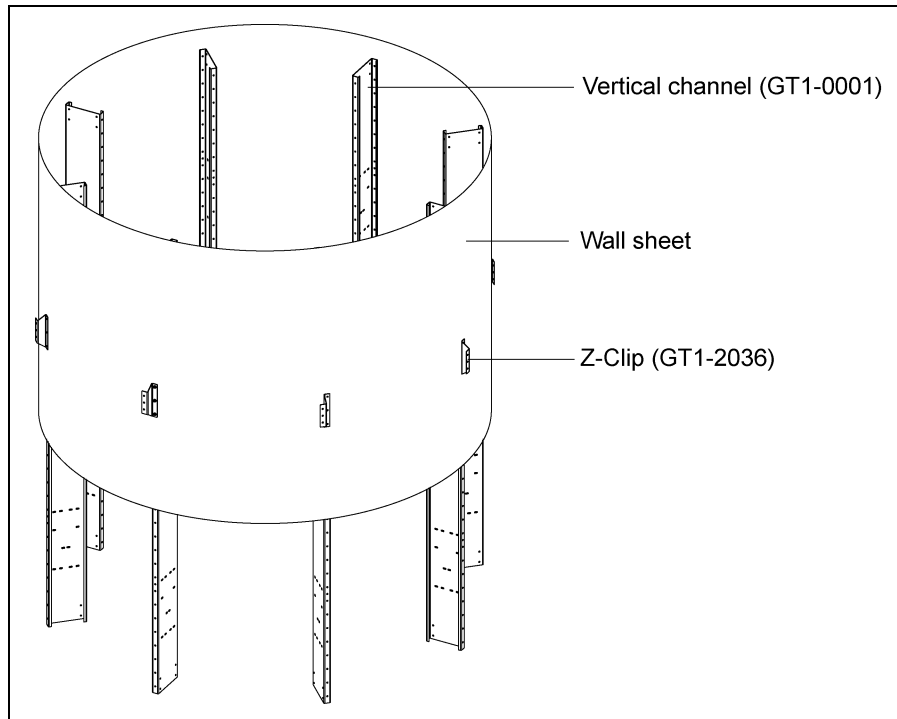
NOTE: *Wall sheets are not shown for clarity.*

See detail B

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Swing gate stop/platform end plate (GT1-2045)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Z-Clip (GT1-2036)

Vertical channel (GT1-0001)

Detail B

Figure 4C

Inside　　　　　　　　**Outside**

Swing gate stop/platform end plate (GT1-2045)

Z-Clip (GT1-2036)

Vertical channel (GT1-0001)

NOTE: *Inside: Vertical channel side pointing inside.*
　　　　　Outside: Vertical channel side pointing outside.

Figure 4D

Installing Catwalk Support Clip (GT1-2040-BS)

1. Install catwalk support clips (GT1-2040-BS) to all vertical channels (GT1-0001). Support clip can be installed on each vertical channel as the wall sheets are installed using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 4E.)*

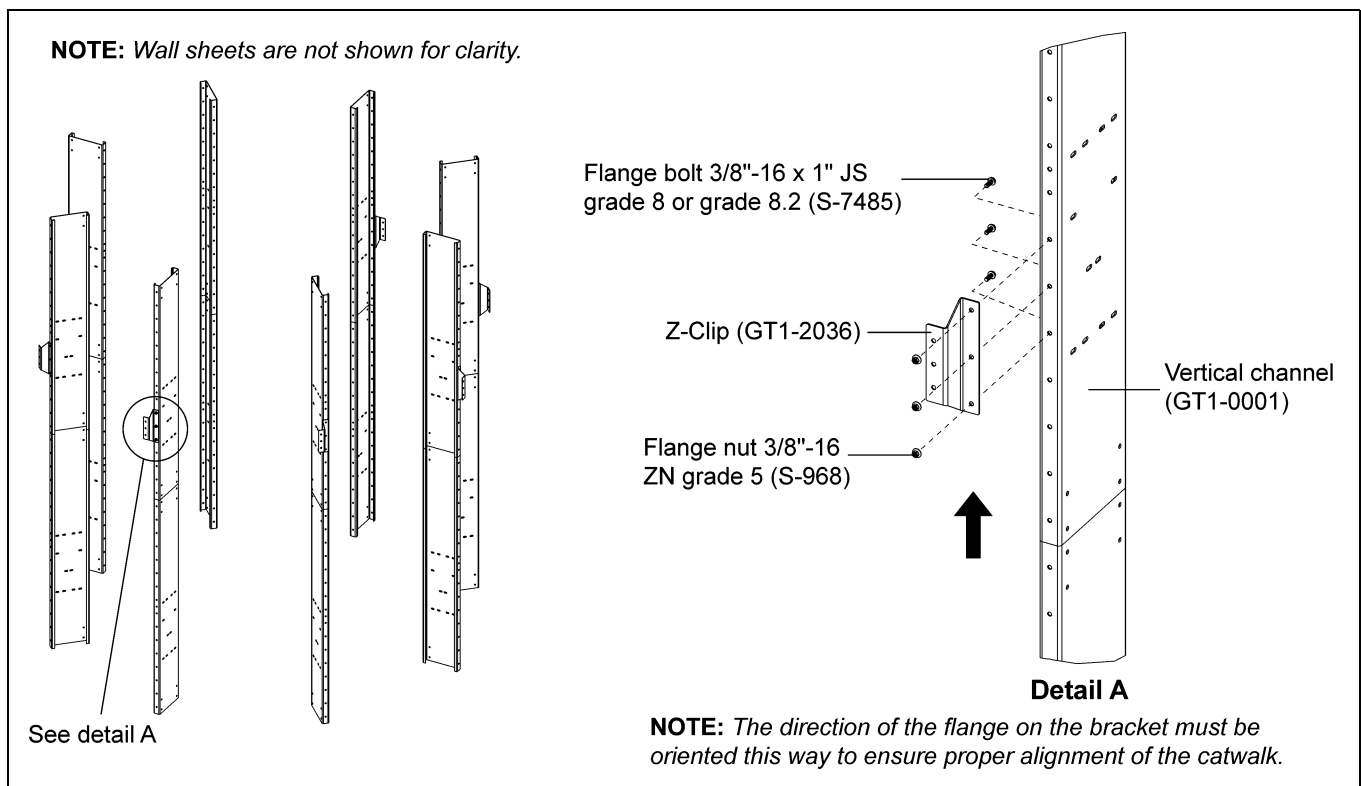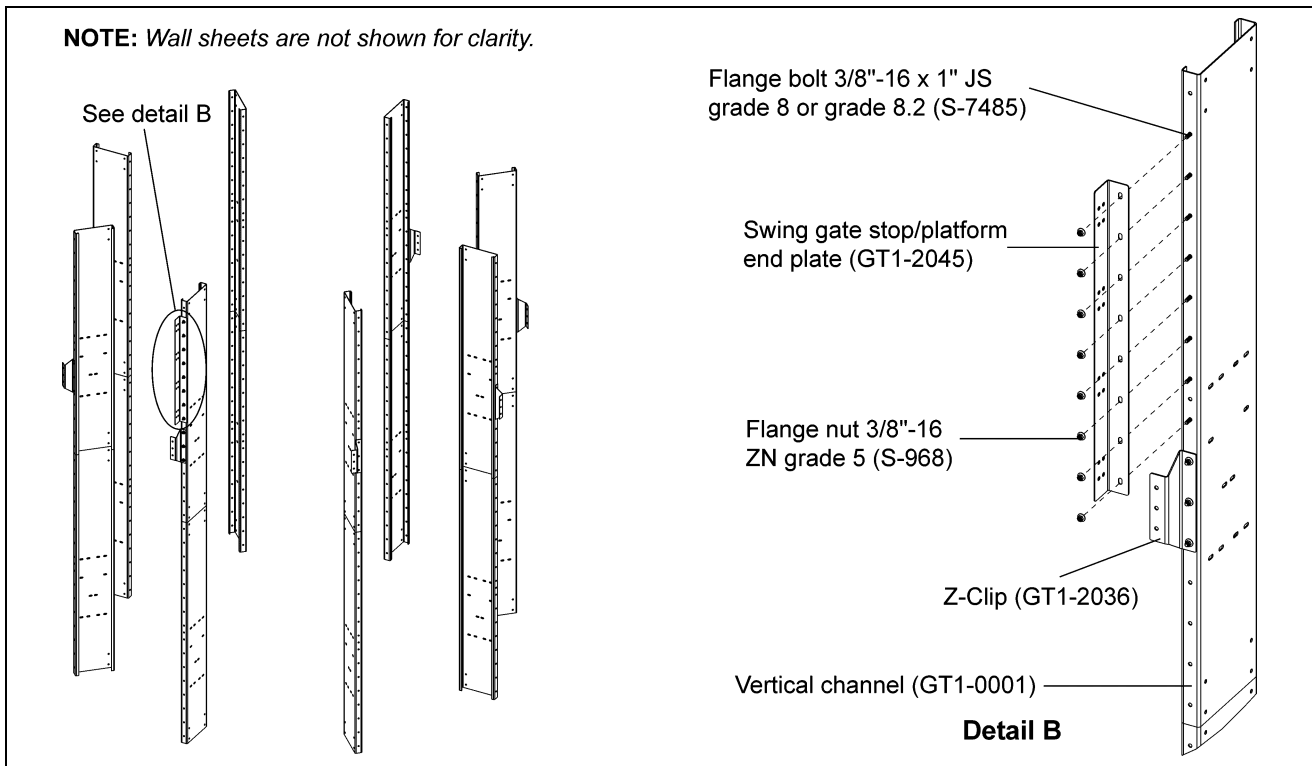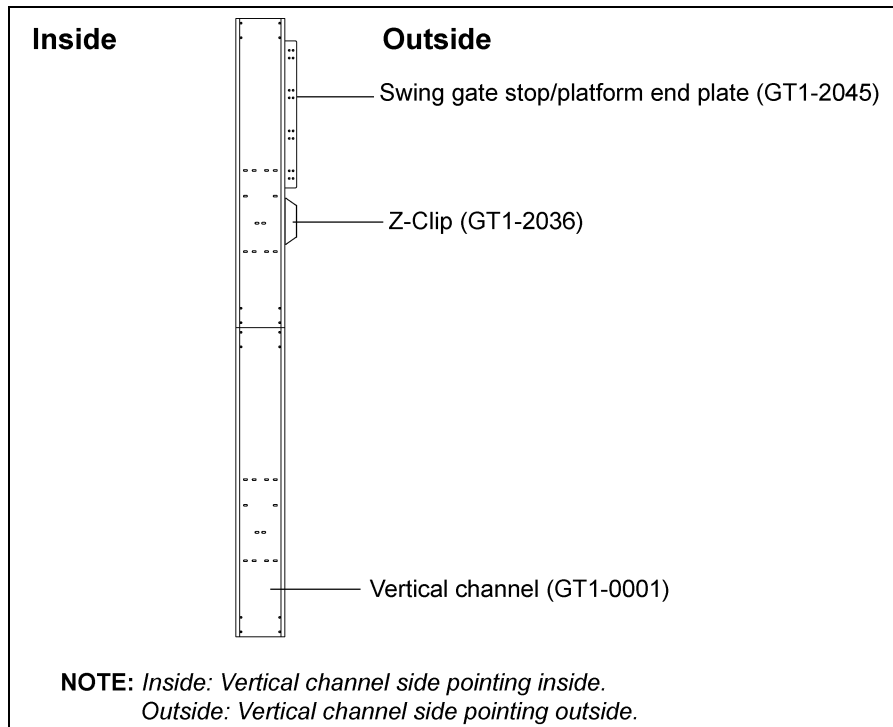2. The distance between the Z-clip and support clip for 12' outside catwalk is 31-1/2". *(See Figure 4F.)*

NOTE: *Wall sheets are not shown for clarity.*

Vertical channel (GT1-0001)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Catwalk support clip (GT1-2040-BS)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Detail C

See detail C

Figure 4E

Inside   **Outside**

Swing gate stop/platform end plate (GT1-2045)

Z-Clip (GT1-2036)

31-1/2"

Catwalk support clip (GT1-2040-BS)

Vertical channel (GT1-0001)

NOTE: *Inside: Vertical channel side pointing inside.*
Outside: Vertical channel side pointing outside.

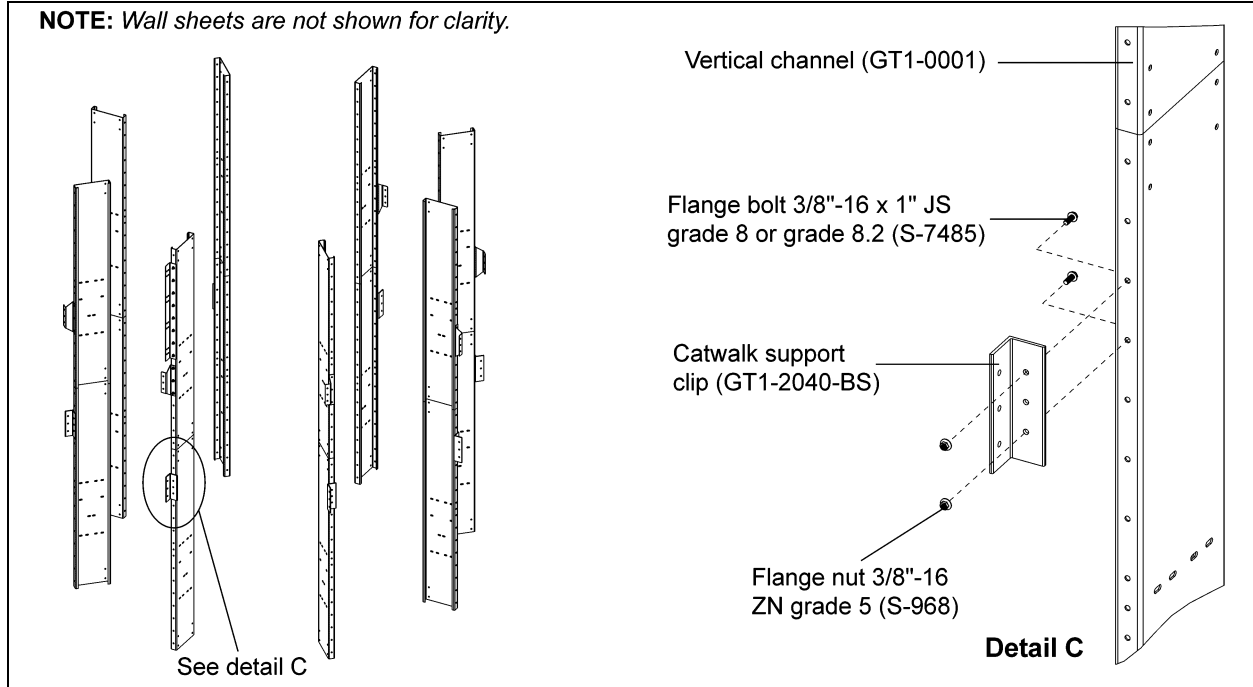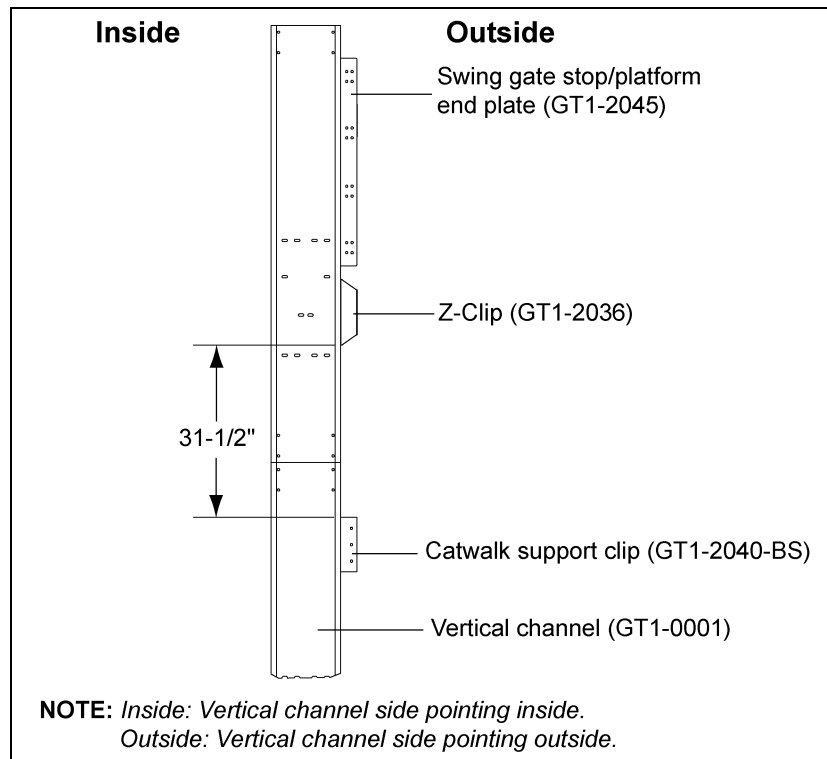**Figure 4F**

Installing Inner Toe Board (GT1-2035) and Ladder Opening Toe Board (GT1-2089)

1. Install the inner toe board (GT1-2035) to the Z-clips (GT1-2036). All toe boards should be installed between the Z-clips using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 4G.)*

2. At the ladder location, install the ladder opening toe board (GT1-2089) to Z-clips using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968) in such a way that toe board opening falls on the ladder path. *(See Figure 4G below and Figure 4H on Page 18.)*
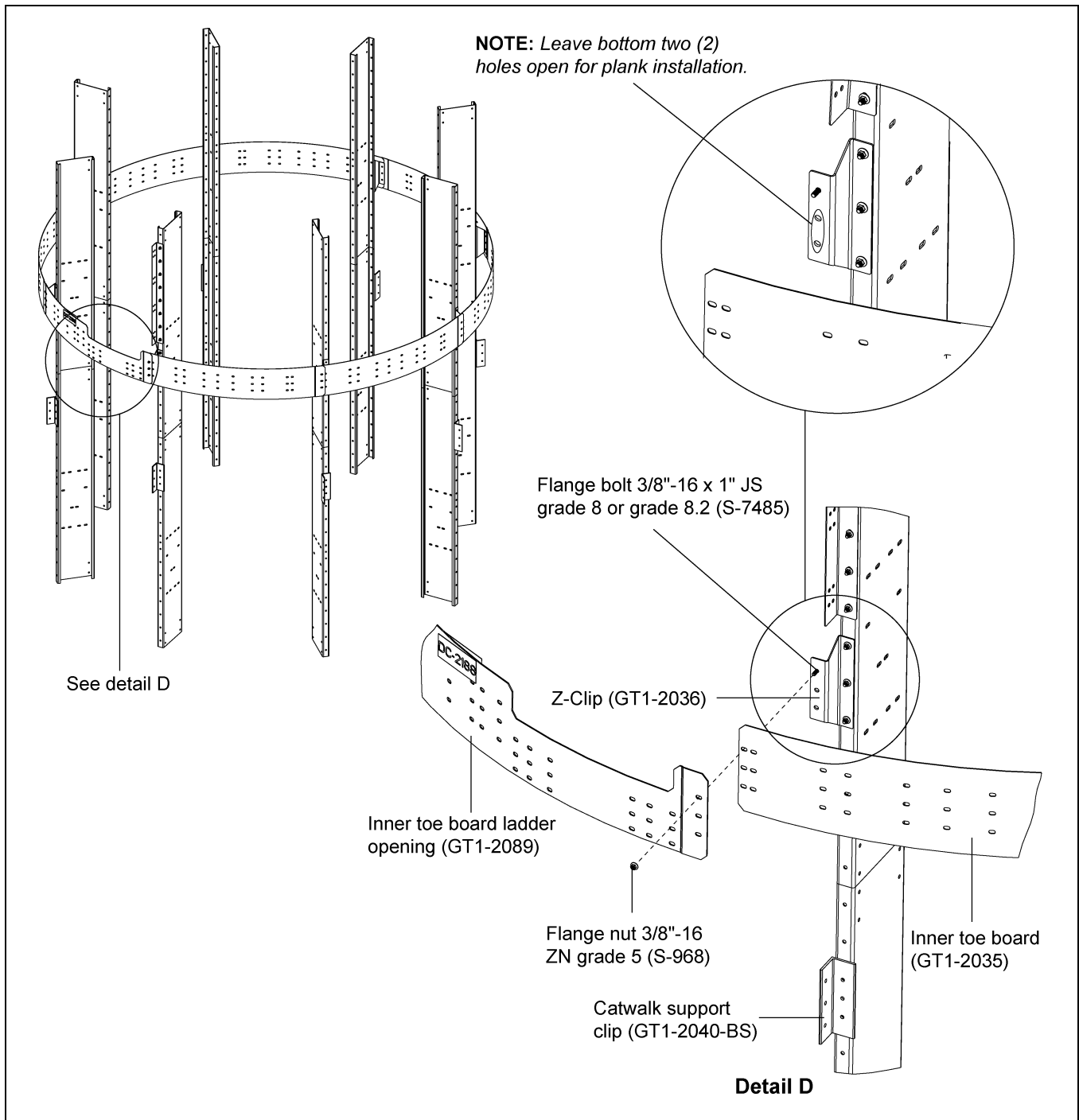
NOTE: *Leave bottom two (2) holes open for plank installation.*

See detail D

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Z-Clip (GT1-2036)

Inner toe board ladder opening (GT1-2089)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Inner toe board (GT1-2035)

Catwalk support clip (GT1-2040-BS)

Detail D

Figure 4G

Installing Inner Toe Board (GT1-2035) and Ladder Opening Toe Board (GT1-2089) (Continued)

Inner toe board ladder opening (GT1-2089)

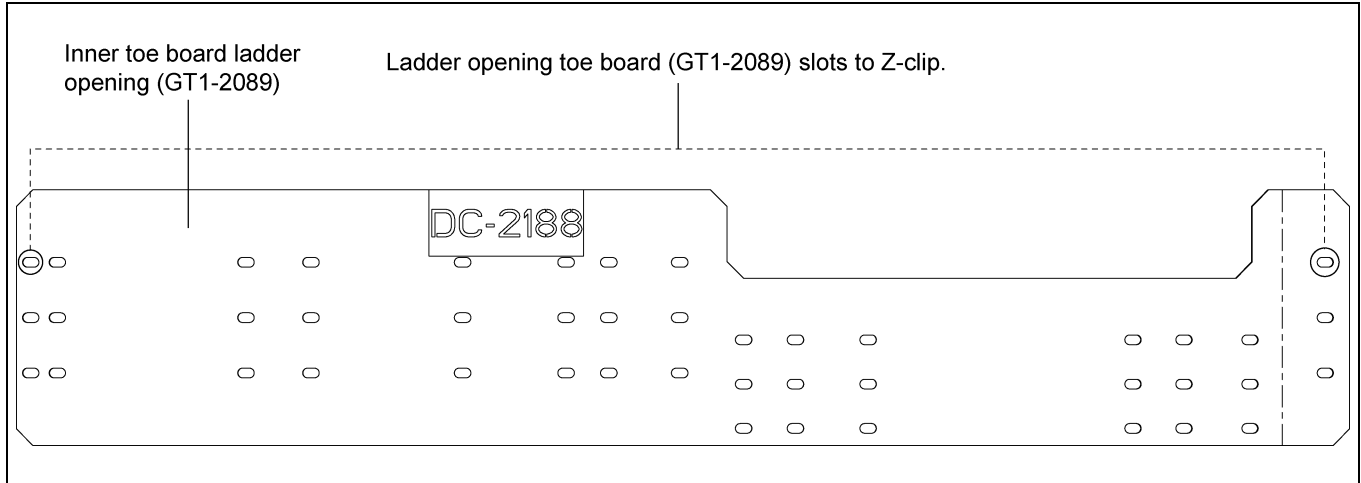Ladder opening toe board (GT1-2089) slots to Z-clip.

DC-2188

Figure 4H *12' Ladder Opening Toe Board (GT1-2089)*

3. Inner toe board is arranged with overlap slots on each side. Install 12' inner toe boards (GT1-2035) to corresponding slots as shown in *Figure 4I*.
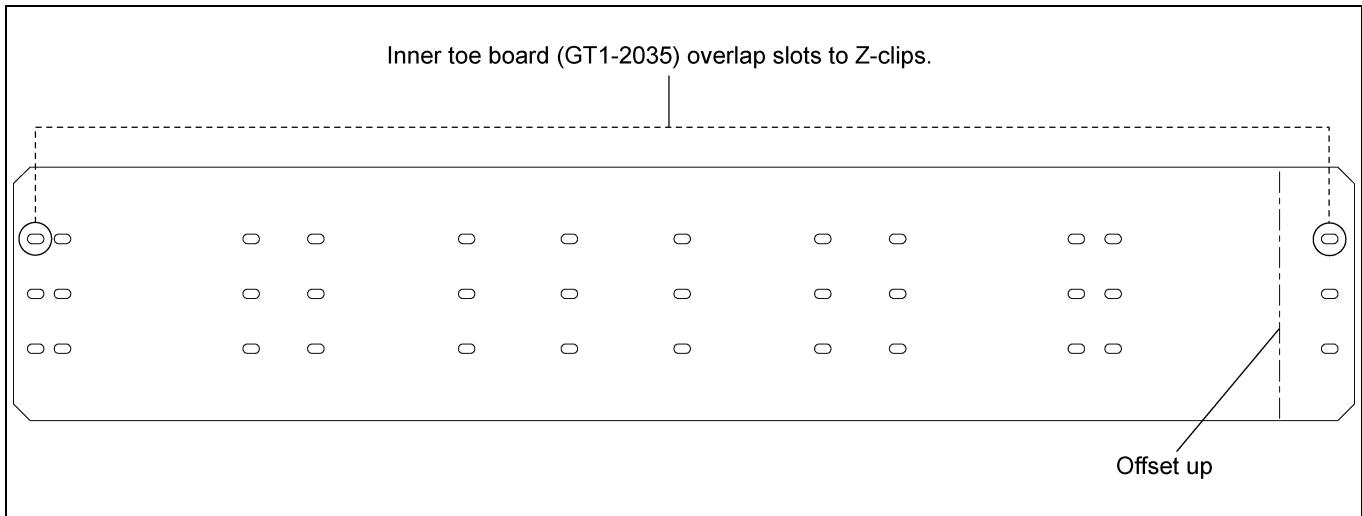
Inner toe board (GT1-2035) overlap slots to Z-clips.

Offset up

Figure 4I *12' Inner Toe Board (GT1-2035)*

Installing Plank (GT3-1669) to Inner Toe Board (GT1-2035)

1. Install planks around the dryer on inner toe board starting from ladder opening toe board (GT1-2089) as shown by arrow in the *Figure 4J*.

2. Planks (GT3-1669) are installed to bottom two (2) holes of the inner toe board (GT1-2035) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 4J.)*

Truss bolt 5/16"-18 x 3/4" JS grade 8 or grade 8.2 (S-10267)

Inner toe board (GT1-2035)

Plank (GT3-1669)

See detail E

Vertical channel (GT1-0001)

Flange nut 5/16"-18 JS grade 5 (S-10268)

Detail E

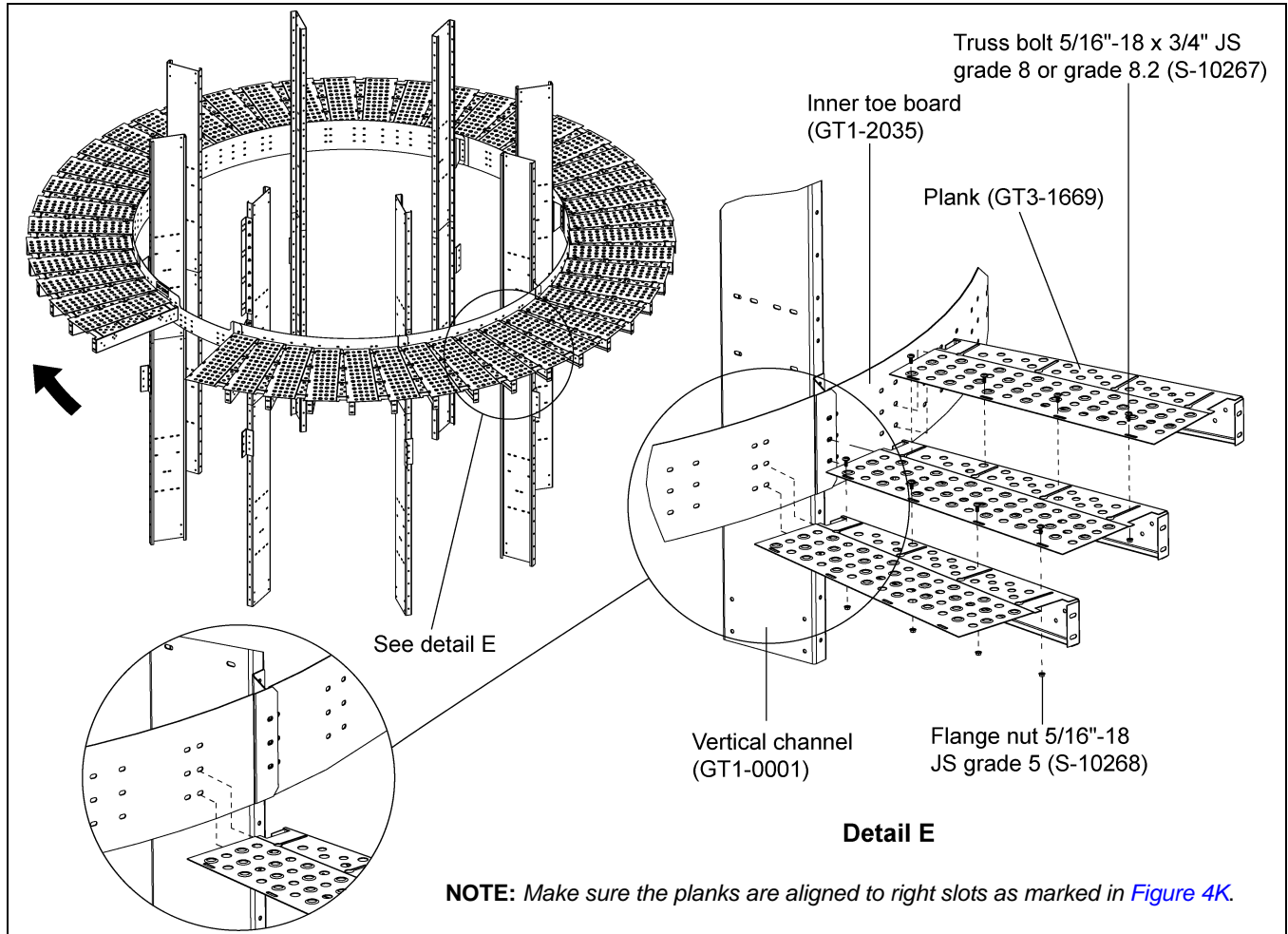**NOTE:** *Make sure the planks are aligned to right slots as marked in Figure 4K.*

Figure 4J

3. Inner toe board (GT1-2035) is arranged with many slots to install plank. Install planks to corresponding slots as shown in *Figure 4K*.

Inner toe board (GT1-2035) plank installation slots.

Offset up
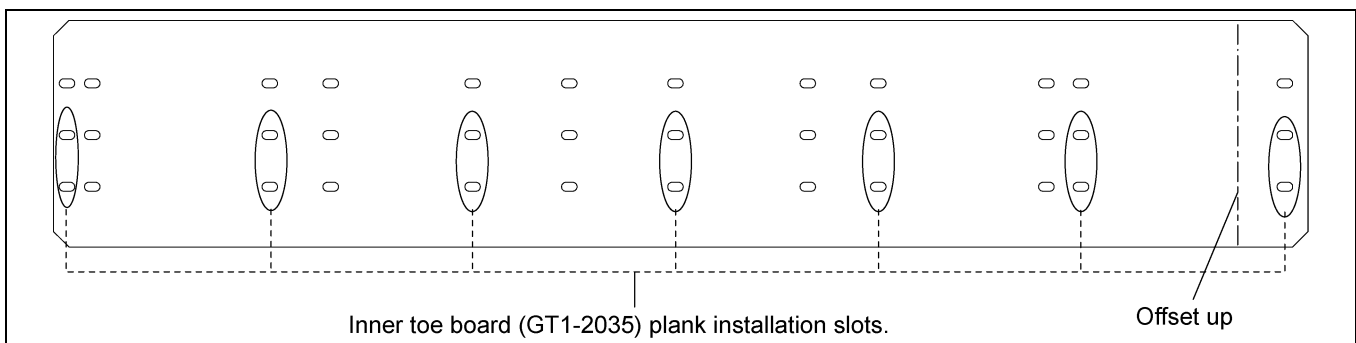
Figure 4K *12' Inner Toe Board (GT1-2035)*

Installing Planks (GT3-1669) to Inner Toe Board (GT1-2035) (Continued)

4. Install all the planks (GT3-1669) continuously around the dryer except at the jack pole locations. *(See Figure 4L and Figure 4M.)*
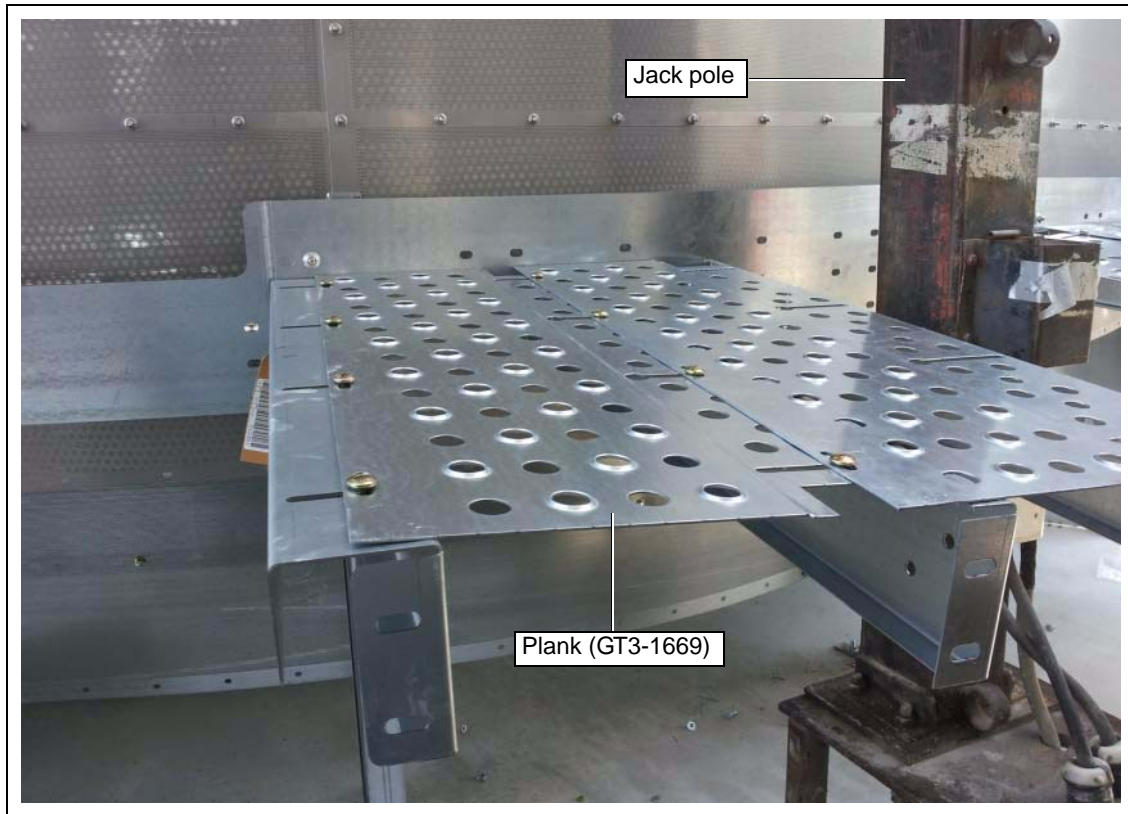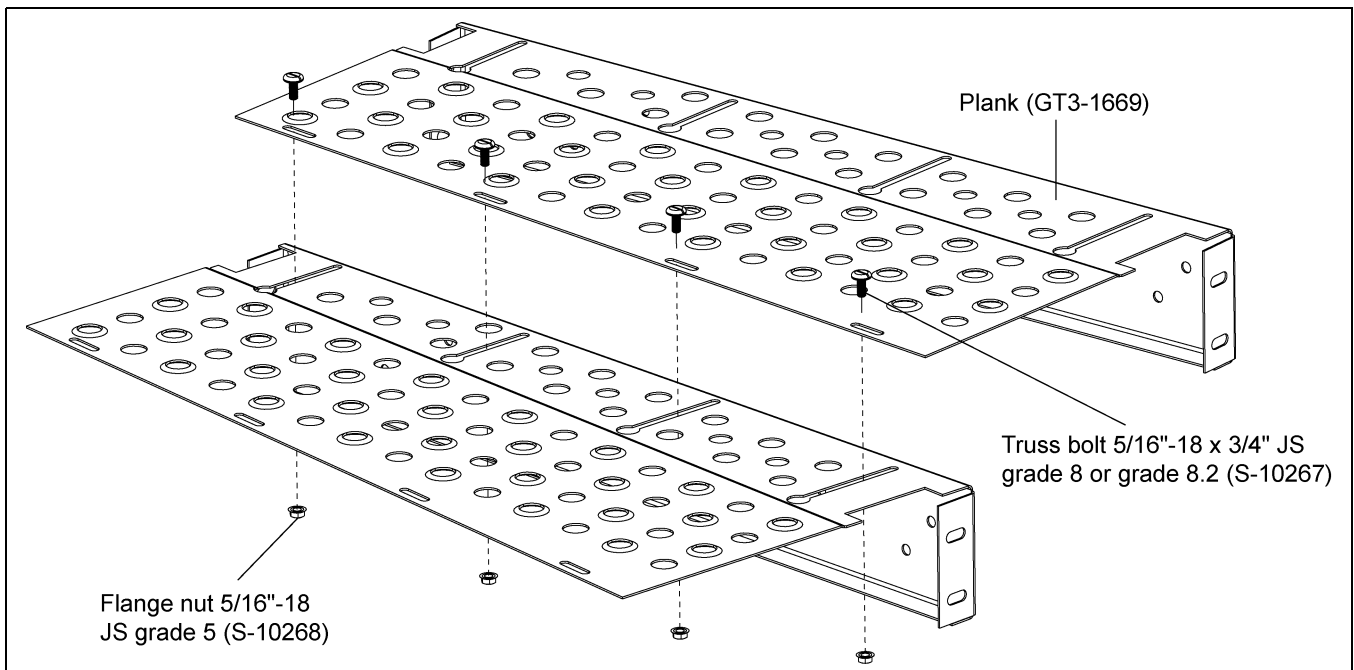
Jack pole

Plank (GT3-1669)

Figure 4L

Plank (GT3-1669)

Truss bolt 5/16"-18 x 3/4" JS grade 8 or grade 8.2 (S-10267)

Flange nut 5/16"-18 JS grade 5 (S-10268)

Figure 4M

5. Each plank should be overlapped at the edges and bolted with 5/16"-18 x 3/4" JS grade 8 or grade 8.2 bolts (S-10267) and 5/16"-18 JS grade 5 nuts (S-10268). *(See Figure 4N.)*
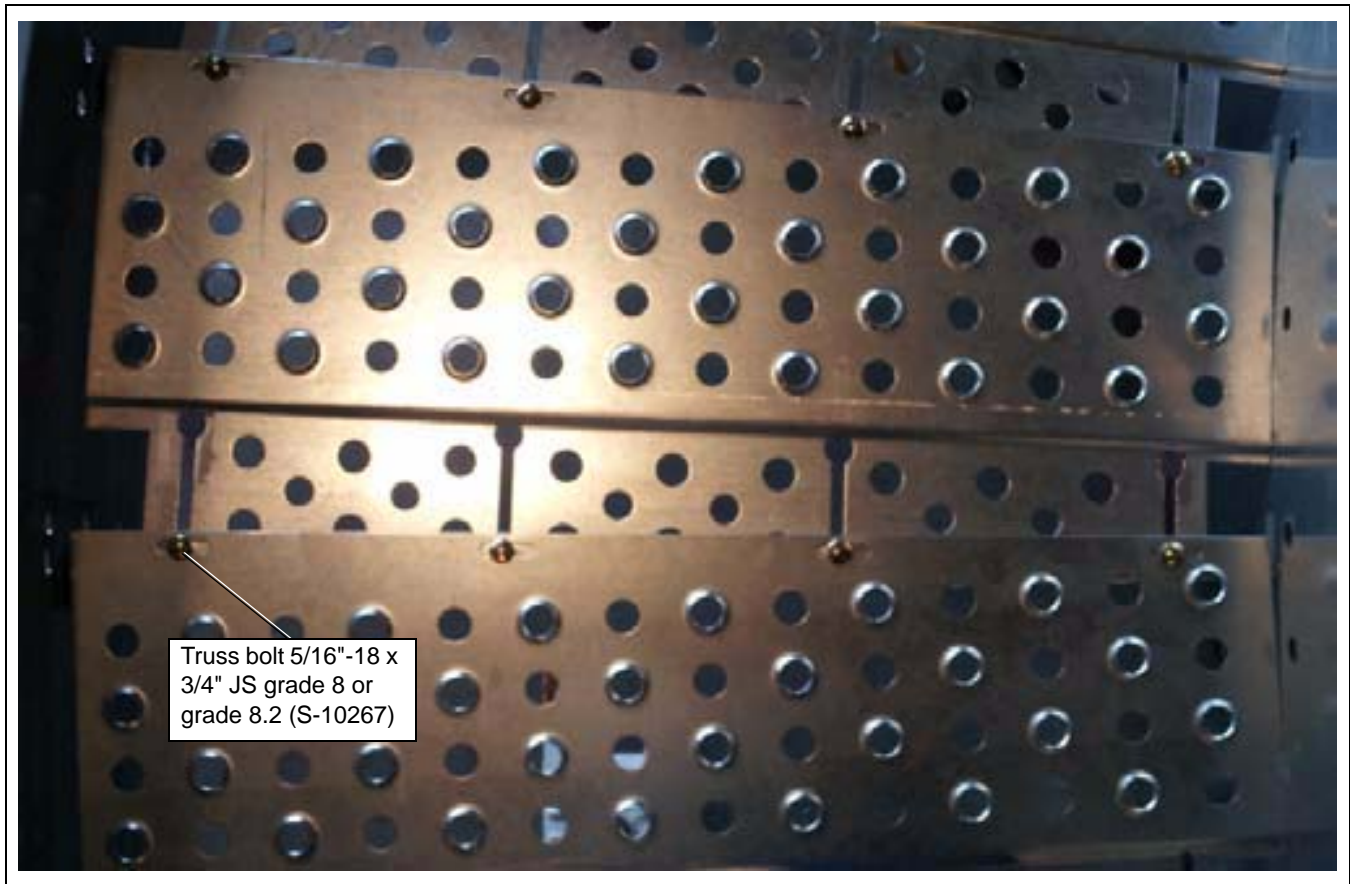
Truss bolt 5/16"-18 x 3/4" JS grade 8 or grade 8.2 (S-10267)

Figure 4N

Installing Plank Support (GT1-2086)

1. Once the planks are installed, install the plank support (GT1-2086) to the last plank (GT3-1669) and toe board (GT1-2089) using 5/16"-18 x 3/4" JS grade 8 and grade 8.2 bolts (S-10267), 5/16"-18 JS grade 5 nuts (S-10268) and flange bolts 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485). *(See Figure 4O.)*
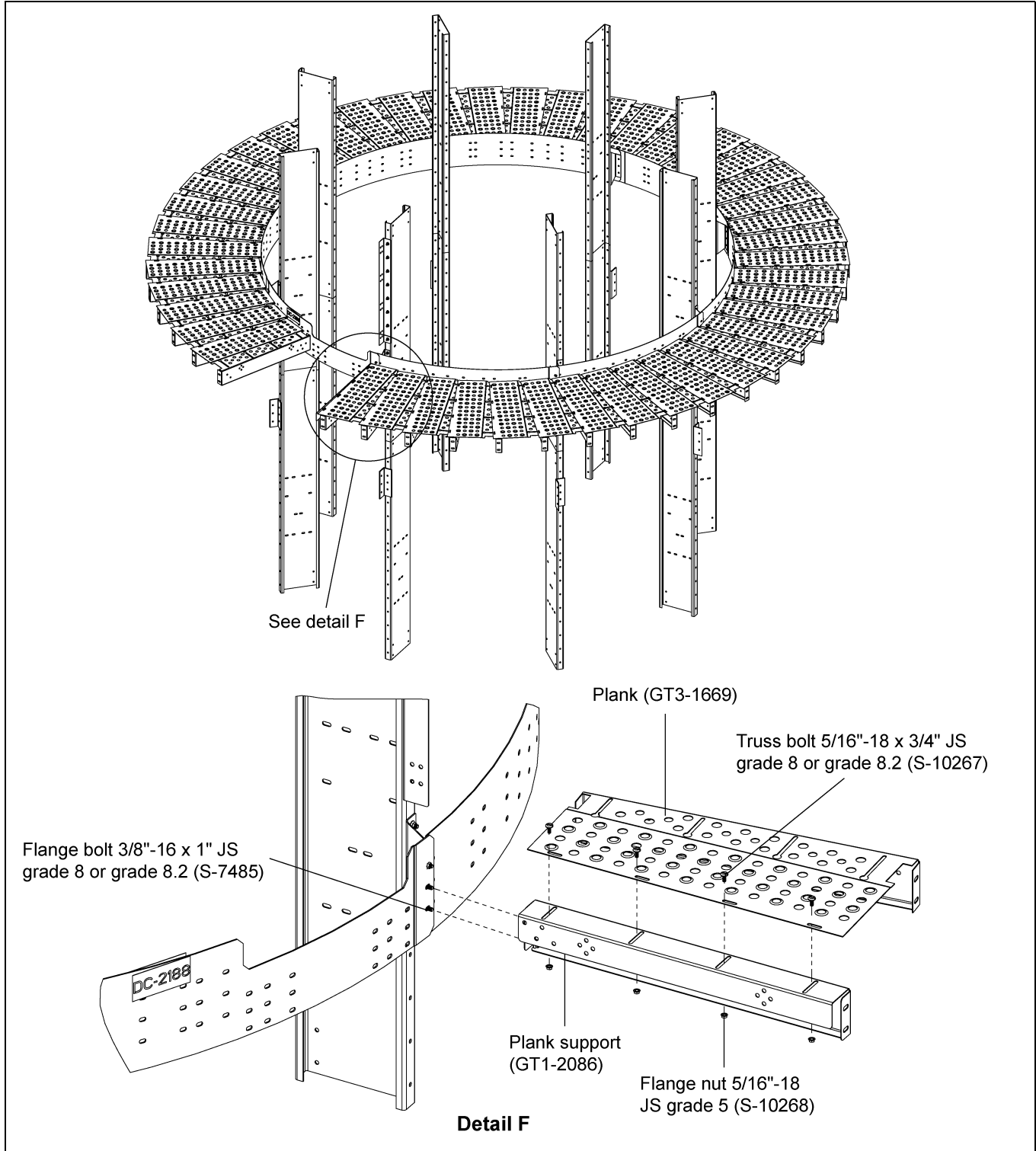
See detail F

Plank (GT3-1669)

Truss bolt 5/16"-18 x 3/4" JS grade 8 or grade 8.2 (S-10267)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

DC-2188

Plank support (GT1-2086)

Flange nut 5/16"-18 JS grade 5 (S-10268)

Detail F

Figure 4O

Installing Knee Support (GT1-2039-BS)

1. Install the knee support (GT1-2039-BS) around the dryer between the catwalk support clips (GT1-2040-BS) and planks (GT3-1669) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 4P and Figure 4Q.)*

Plank (GT3-1669)

Knee support (GT1-2039-BS)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Catwalk support clip (GT1-2040-BS)

See detail G

Detail G

Figure 4P

Outside **Inside**

Plank (GT3-1669)

Knee support (GT1-2039-BS)

Catwalk support clip (GT1-2040-BS)

NOTE: *Inside: Vertical channel side pointing inside.*
Outside: Vertical channel side pointing outside.

Figure 4Q

Installing Outer Toe Board (GT1-2034-12) and Catwalk Vertical Support (GT1-2037-BS)

1. Install all the outer toe boards (GT1-2034-12) to the planks (GT3-1669). *(See Figure 4R.)*

2. When installing the outer toe board with planks, install the catwalk vertical support (GT1-2037-BS) simultaneously at proper locations using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 4R and Figure 4S.)*

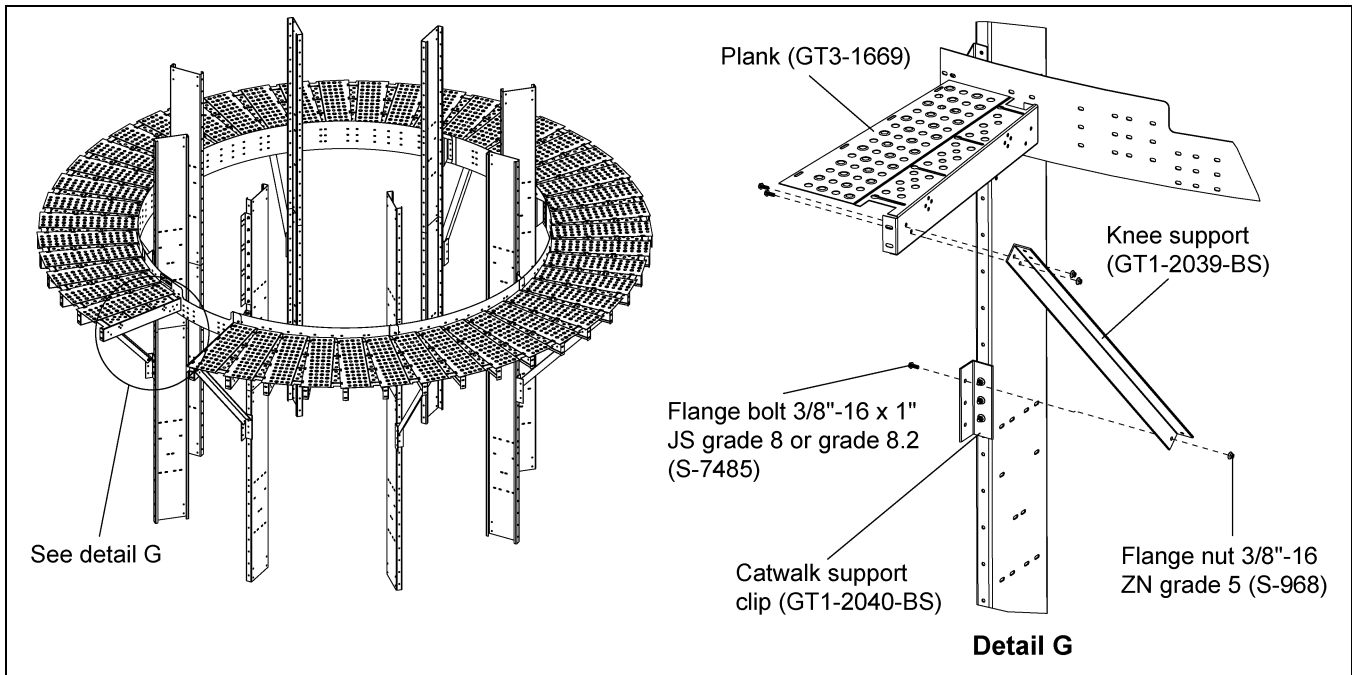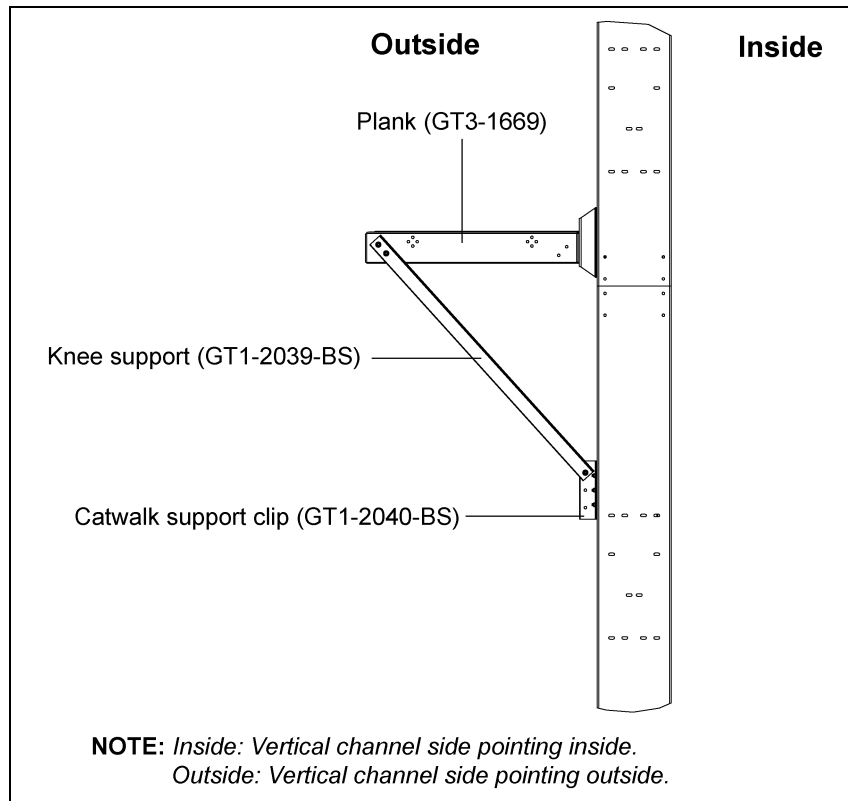Catwalk vertical support (GT1-2037-BS)

Plank (GT3-1669)

DC-2188

See detail H

NOTE: *Make sure the vertical support is bolted to the plank slots.*

Flange nut 3/8"-16 ZN grade 5 (S-968)

Flange bolt 3/8"-16 x 1" YDP grade 8 or grade 8.2 (S-7927)

Outer toe board (GT1-2034-12)

Detail H

Figure 4R

Outer toe board (GT1-2034-12)

Catwalk vertical support (GT1-2037-BS)
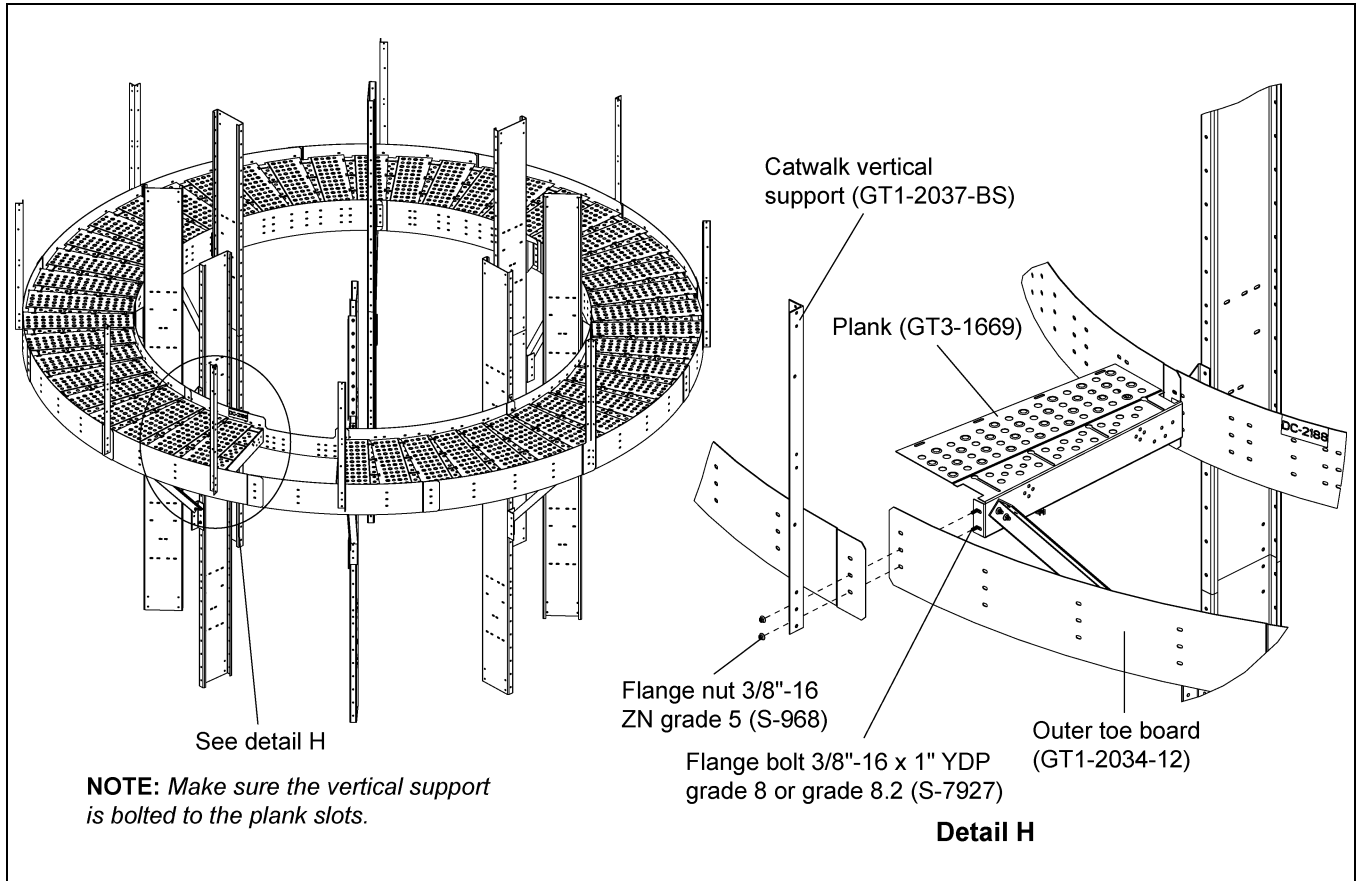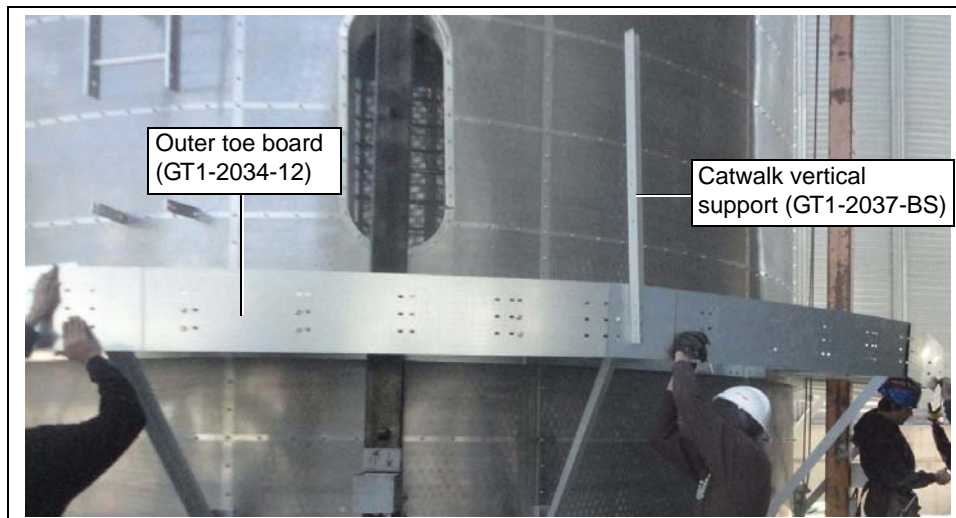
Figure 4S

Installing Handrails (GT1-2038-12O)

1. Install the handrail (GT1-2038-12O) to the catwalk vertical support (GT1-2037-BS) using 5/16"-18 ZN U-bolts (S-10171) and 5/16"-18 JS grade 5 nuts (S-10268) to tighten the handrail with vertical post. *(See Figure 4T.) (See Page 26.)*

U-Bolt 5/16"-18 (S-10171)

Flange nut 5/16"-18 JS grade 5 (S-10268)

Handrail (GT1-2038-12O)

Catwalk vertical support (GT1-2037-BS)

See detail I

Detail I
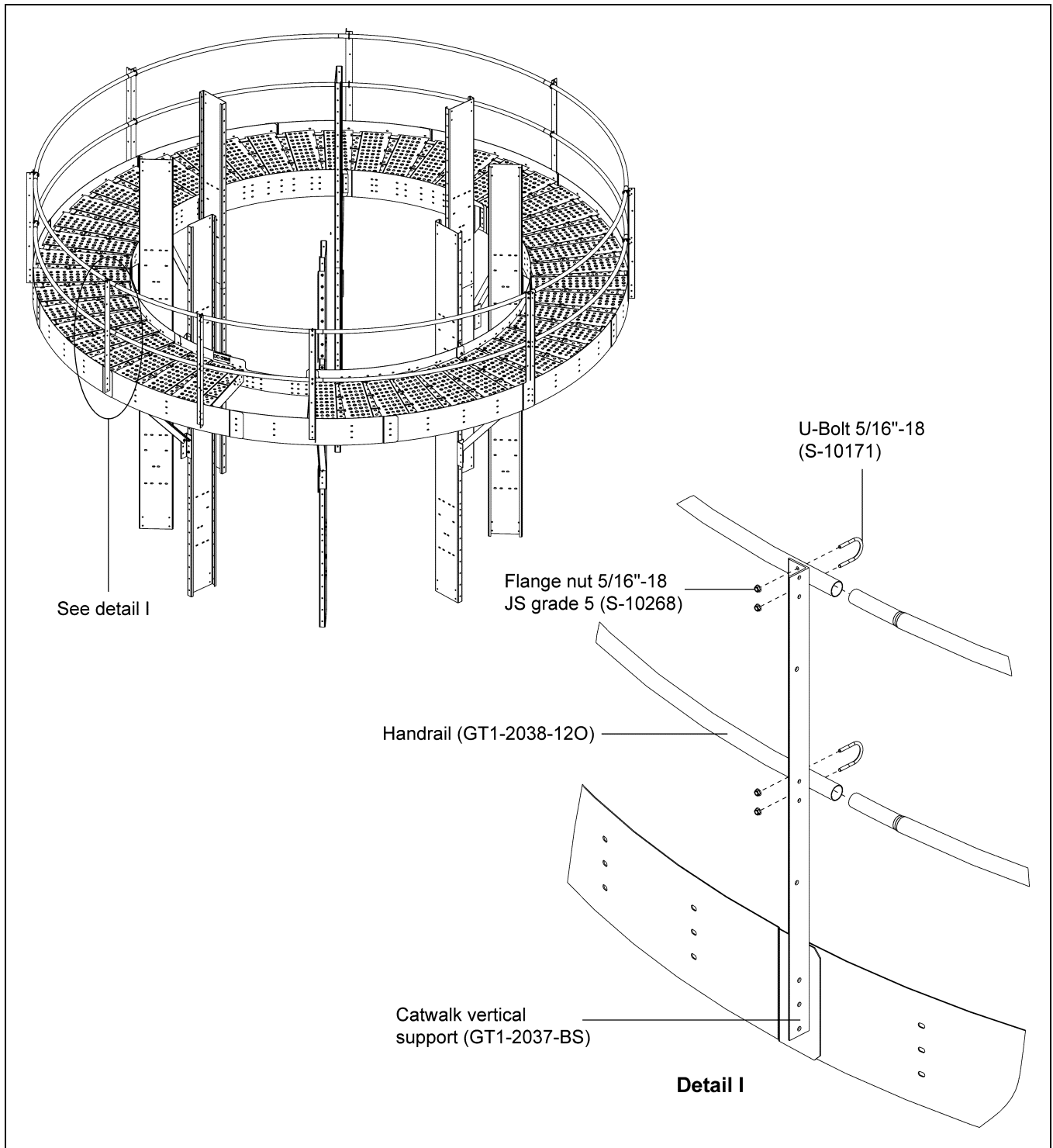
Figure 4T

Installing Handrails (GT1-2038-12O) (Continued)

Handrail (GT1-2038-12O)

Catwalk vertical support (GT1-2037-BS)

Figure 4U

Handrail (GT1-2038-12O)

U-Bolt 5/16"-18 ZN (S-10171)

Catwalk vertical support (GT1-2037-BS)

Figure 4V

Installing Safety Gate (LDR-5218)

1. Install the swing gate support (GT1-2087) with the plank support (GT1-2086) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). (See detail J in *Figure 4W*.)

2. Install two (2) catwalk handrails (GT1-0920) between the swing gate support (GT1-2087) and the catwalk vertical support (GT1-2037-BS) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). (See detail J in *Figure 4W*.)

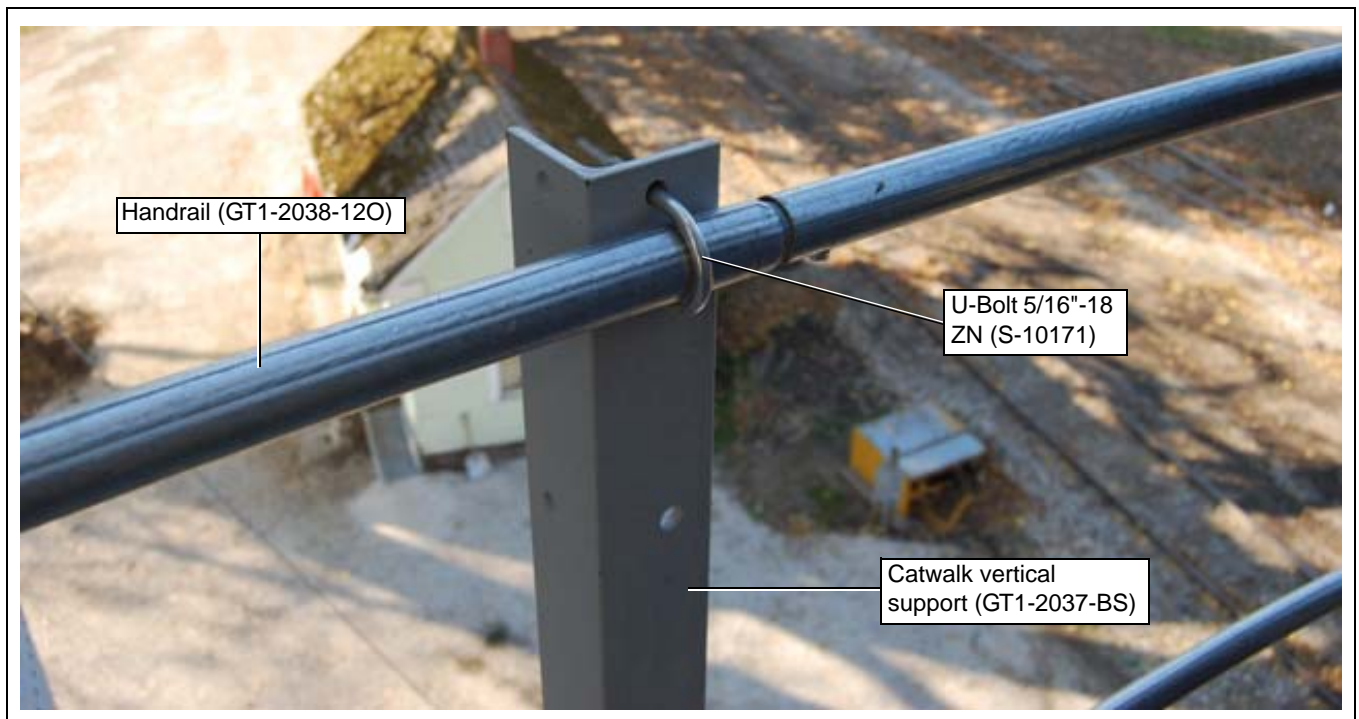3. On the other side, install the swing gate support (GT1-2087) to the plank (GT3-1669) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). (See detail K in *Figure 4W*.)

4. Install two (2) catwalk handrails (GT1-0920) between the swing gate support (GT1-2087) and the catwalk vertical support (GT1-2037-BS) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). (See detail K in *Figure 4W*.)
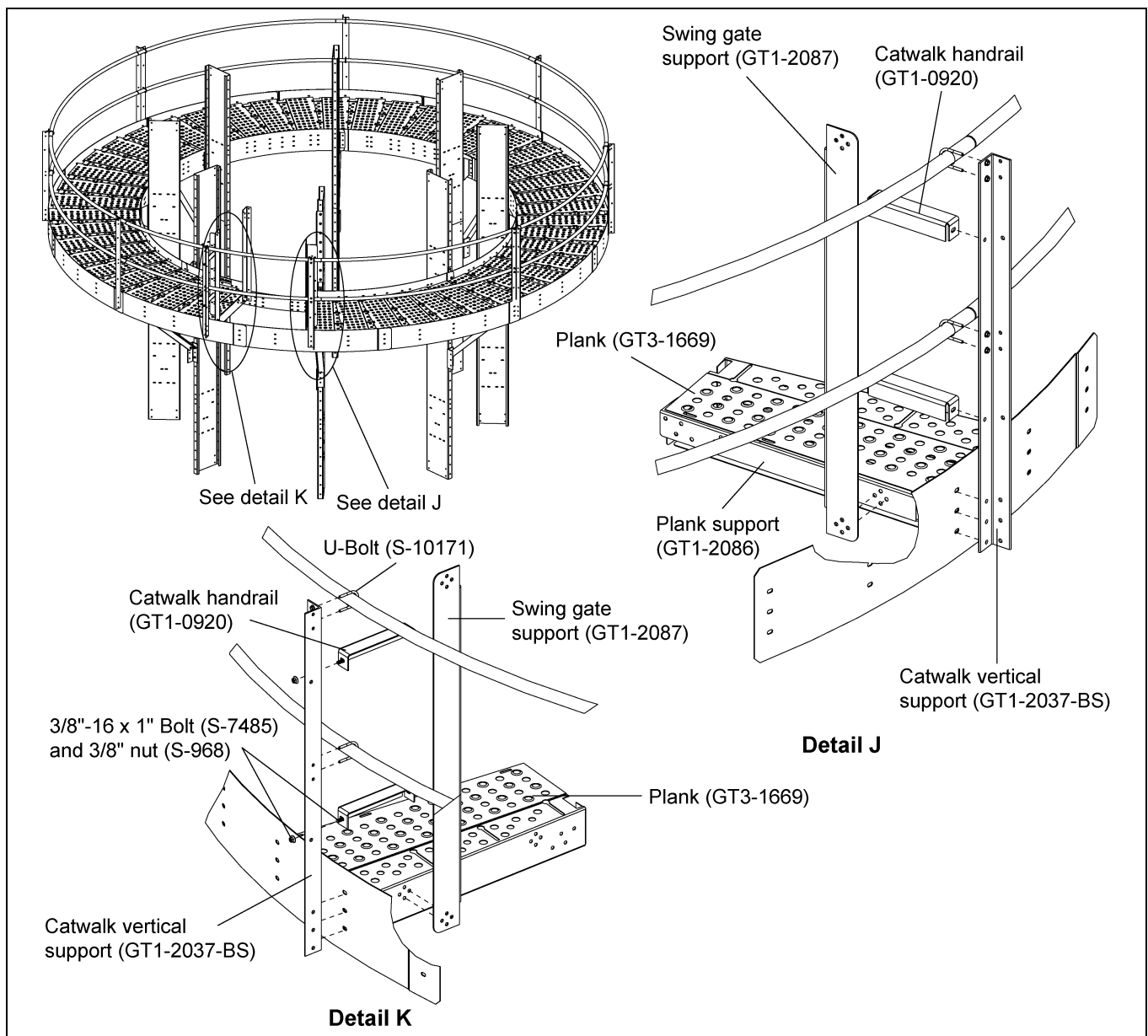
Figure 4W

Installing Safety Gate (LDR-5218) (Continued)

5. Install the ladder safety gate assembly (LDR-5218) to the swing gate support (GT1-2087) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). (See detail L in *Figure 4X*.)

6. Install the ladder safety gate (LDR-5218) to the swing gate support (GT1-2087) and attach the stop plate (GT1-2091) to the ladder opening toe board (GT1-2089) and the plank (GT3-1669) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). (See detail M in *Figure 4X*.) The distance between the plank and handrail is 42".

NOTE: *Inside: Vertical channel side pointing inside.*
Outside: Vertical channel side pointing outside.
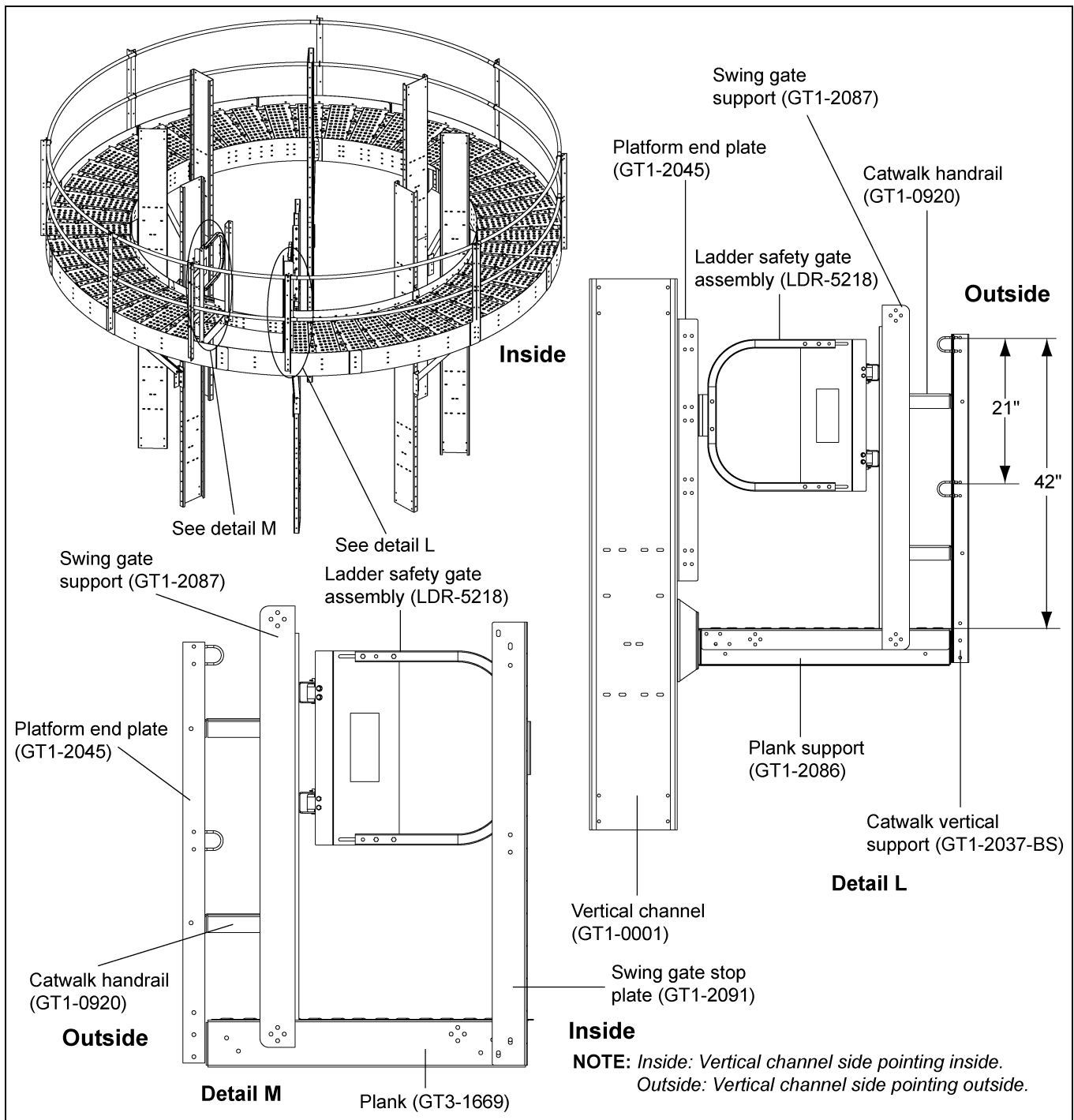
Figure 4X

Installing Ladder Bracket (GT1-2447-L and GT1-2447-R)

1. Install the ladder brackets (GT1-2447-L and GT1-2447-R) to the ladder opening toe board (GT1-2089) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 4Y.)*

See detail N

Swing gate stop plate (GT1-2091)

Ladder opening toe board (GT1-2089)

Ladder bracket - L.H. (GT1-2447-L)

Detail N   Ladder bracket - R.H. (GT1-2447-R)

Figure 4Y

Installing Planks at Jack Pole Locations

Once catwalk is lifted above the jack poles, install the planks at jack pole locations from top using 5/16"-18 x 3/4" JS grade 8 or grade 8.2 bolts (S-10267) and retainer nuts (090-1709-6). *(See Figure 4Z.)*

Figure 4Z

1. Insert the retainer nut (090-1709-6) to the rounded edge of the plank slot and slide it to the proper position as shown in the detail O of *Figure 4AA*.

2. Place the following plank over the installed plank and bolt to the retainer nut (090-1709-6) using 5/16"-18 x 3/4" bolt (S-10267) as shown in the detail P of *Figure 4AA*.

See detail O and P

5/16"-18 x 3/4" Bolt (S-10267)

Retainer nut (090-1709-6)

Detail O

Retainer nut (090-1709-6)

Detail P
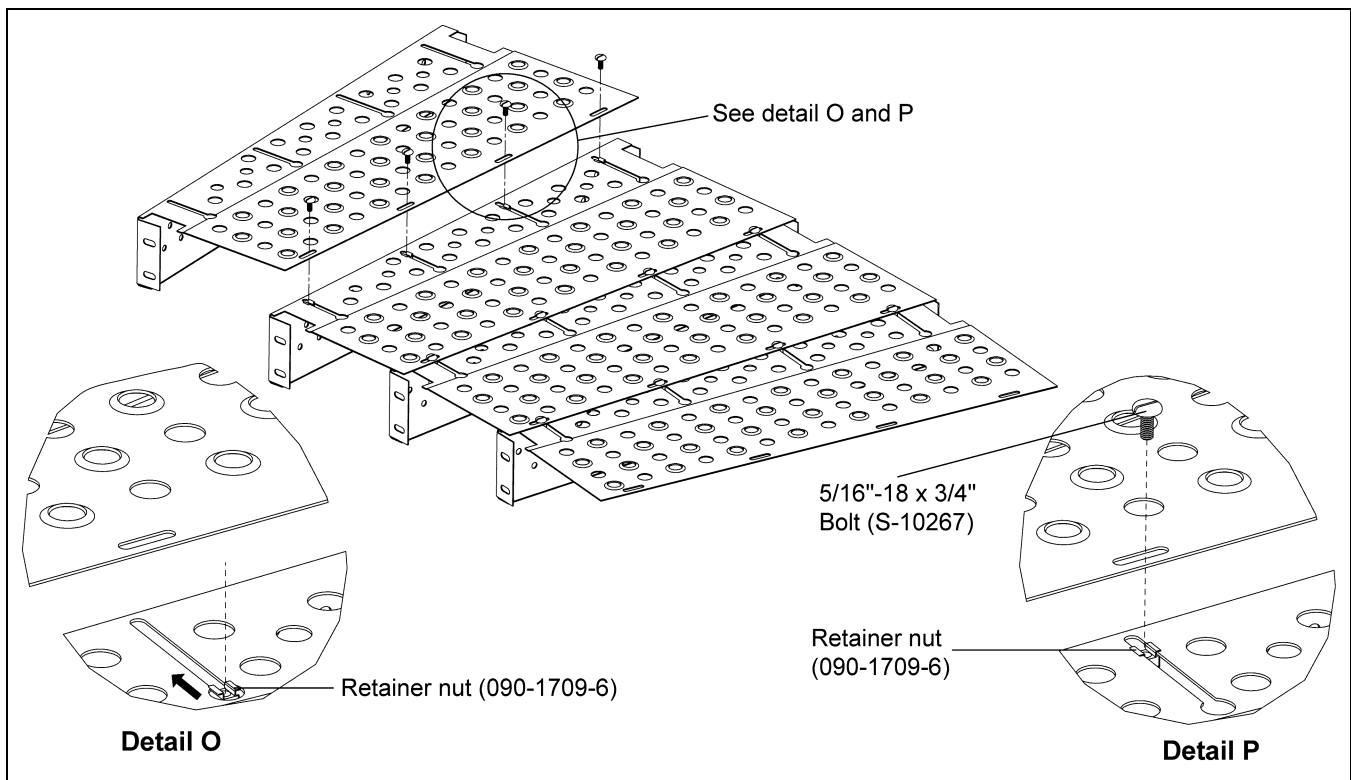
Figure 4AA

Installing Planks at Jack Pole Locations (Continued)

3. Install the holding plate (GT1-2144) (pre-assembled with two (2) extruded nuts (S-10175)) to the proper slots in the toe board and hand tight using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolt (S-7485) and 3/8"-16 ZN grade 5 nut (S-968). *(See Figure 4AB.)*

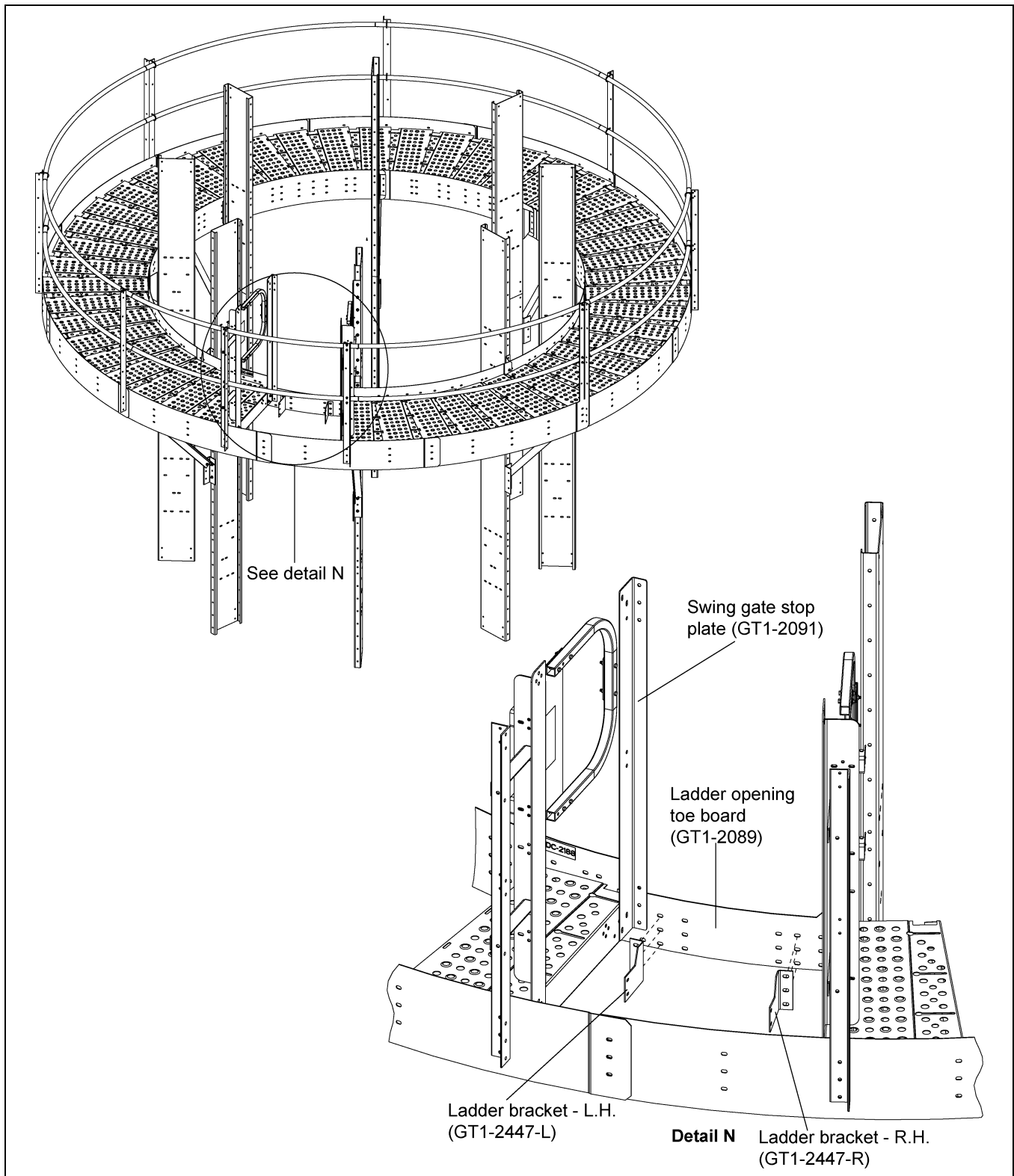4. Now adjust the plank to align with the slot and bolt from outside the toe board. *(See Figure 4AB.)*

Flange nut 3/8"-16 ZN grade 5 (S-968)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Holding plate (GT1-2144)

3/8" Extruded nuts (S-10175)

NOTE: *Planks are not shown for clarity.*
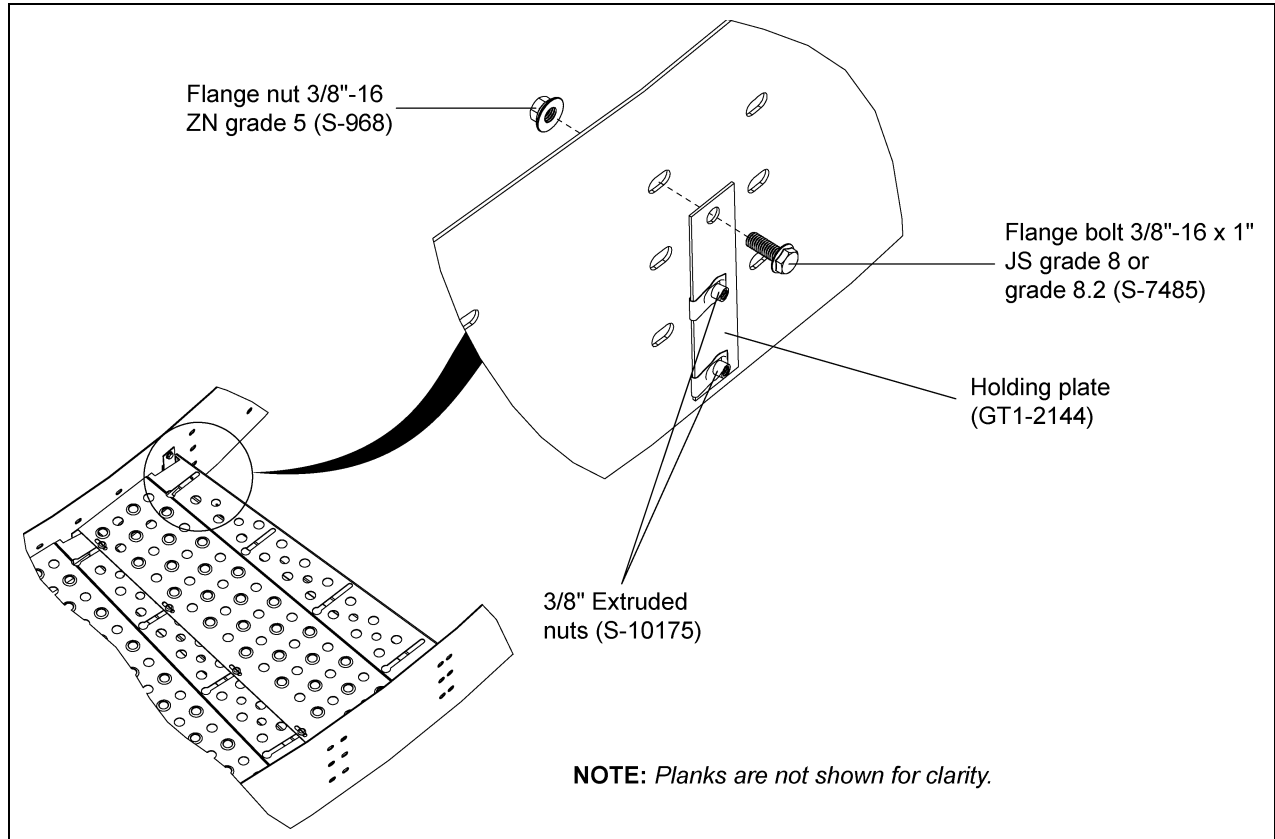
Figure 4AB

Figure 4AC

Outside Catwalk Walk Surface

Ø 223.5" O.D.

Ø 150.2" I.D.
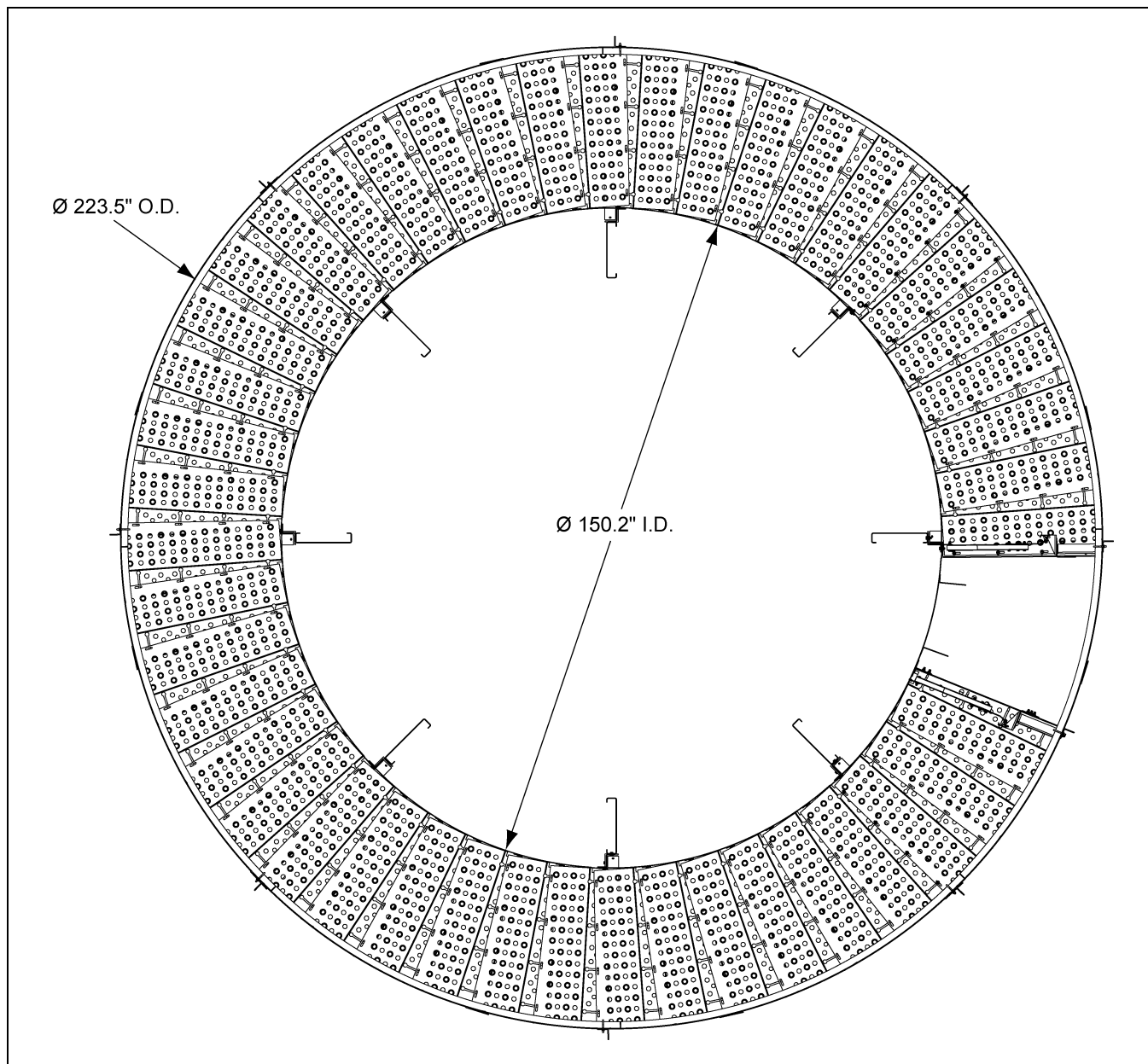
Figure 4AD

12' Inside Fan Style Catwalk Assembly Instructions (GT4-1043-12F)

Installing Z-Clips (GT1-2036)

1. Bolt Z-clips (GT1-2036) to all vertical channels (GT1-0001). The Z-clip can be installed on each vertical channel as inner wall sheets are installed using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 5A.)*

NOTE: *Wall sheets are not shown for clarity.*

See detail A

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Vertical channel (GT1-0001)

Z-Clip (GT1-2036)

NOTE: *The direction of the flange on the Z-clip must be oriented this way to ensure proper alignment of the catwalk.*

Flange nut 3/8"-16 ZN grade 5 (S-968)

Detail A

Figure 5A

Installing Catwalk Support Clip (GT1-2040-BS)

1. Install catwalk support clips (GT1-2040-BS) to vertical channels (GT1-0001). Support clip can be installed on each vertical channel as the inner wall sheets are installed using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 5B.)*
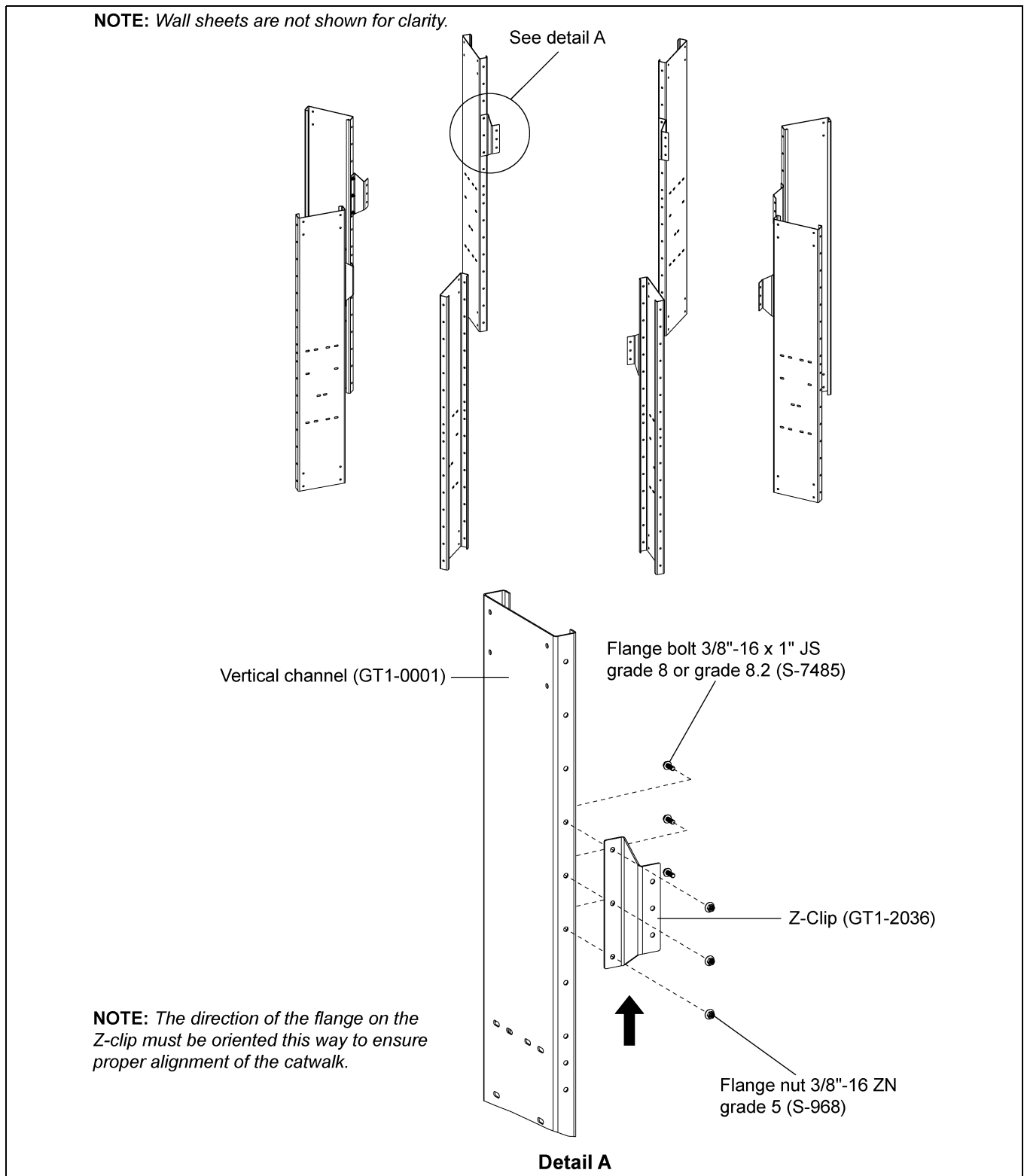
2. The distance between the Z-clip and support clip for 12' inside catwalk is 36-1/2". *(See Figure 5C.)*
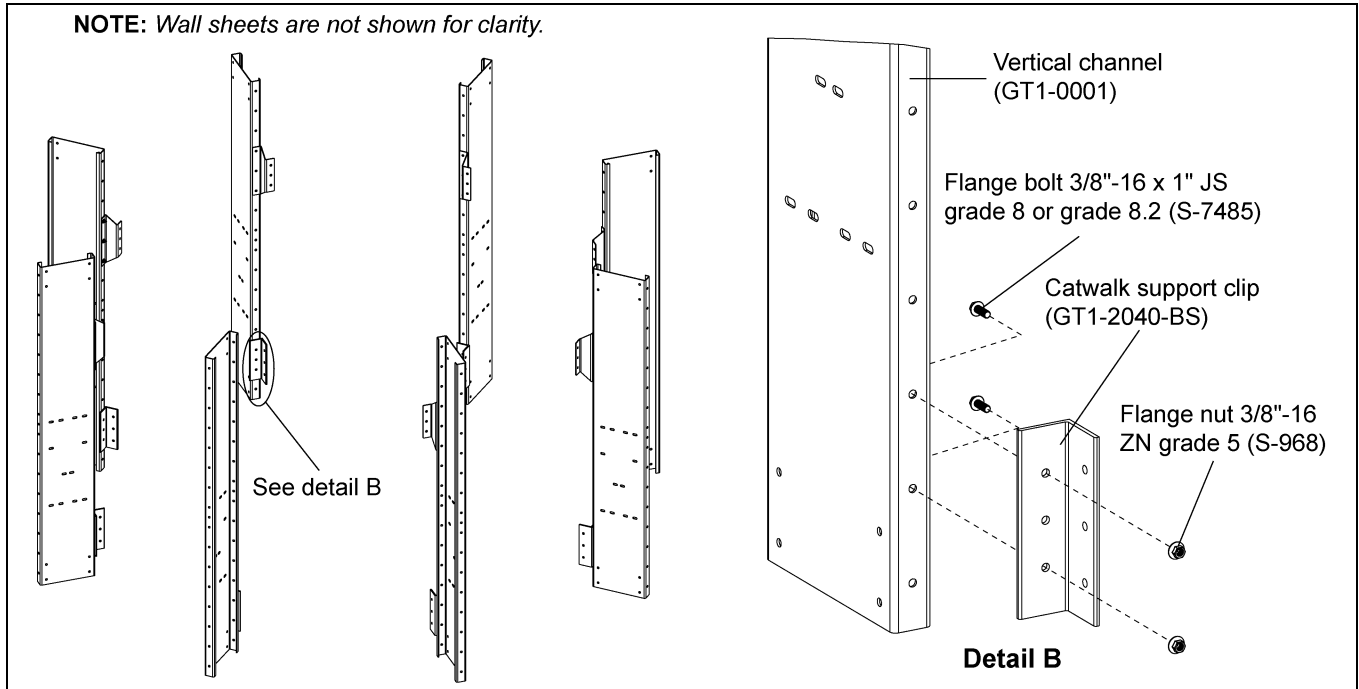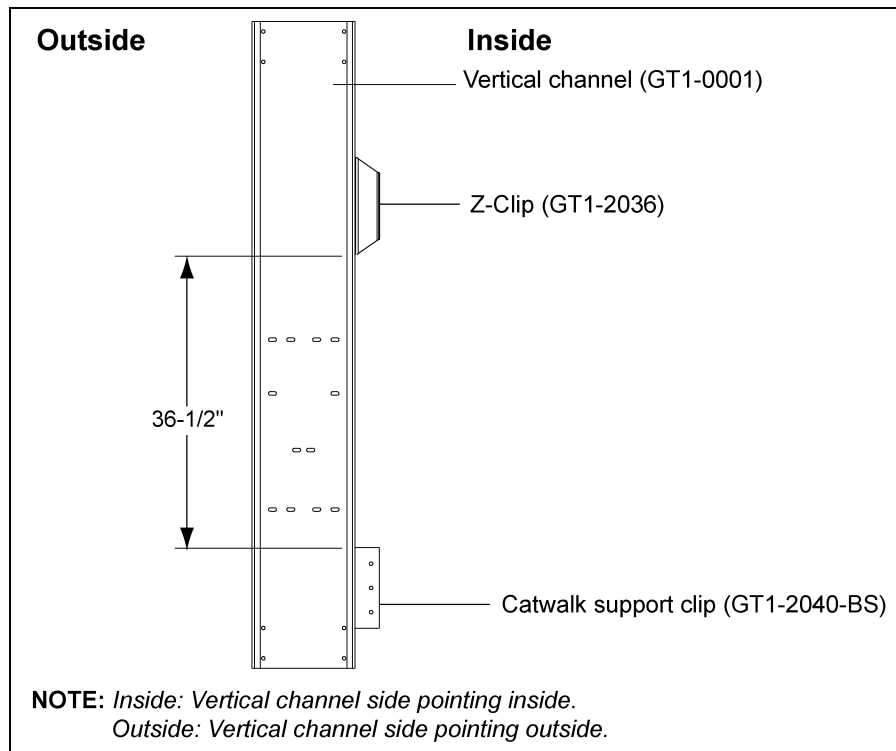
NOTE: *Wall sheets are not shown for clarity.*

Vertical channel (GT1-0001)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Catwalk support clip (GT1-2040-BS)

Flange nut 3/8"-16 ZN grade 5 (S-968)

See detail B

Detail B

Figure 5B

Outside

Inside

Vertical channel (GT1-0001)

Z-Clip (GT1-2036)

36-1/2"

Catwalk support clip (GT1-2040-BS)

NOTE: *Inside: Vertical channel side pointing inside.*
Outside: Vertical channel side pointing outside.

Figure 5C

Installing Outer Toe Board (GT1-2062)

1. Install the outer toe board (GT1-2062) to the Z-clips (GT1-2036). All toe boards should be installed between the Z-clips using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 5D.)*
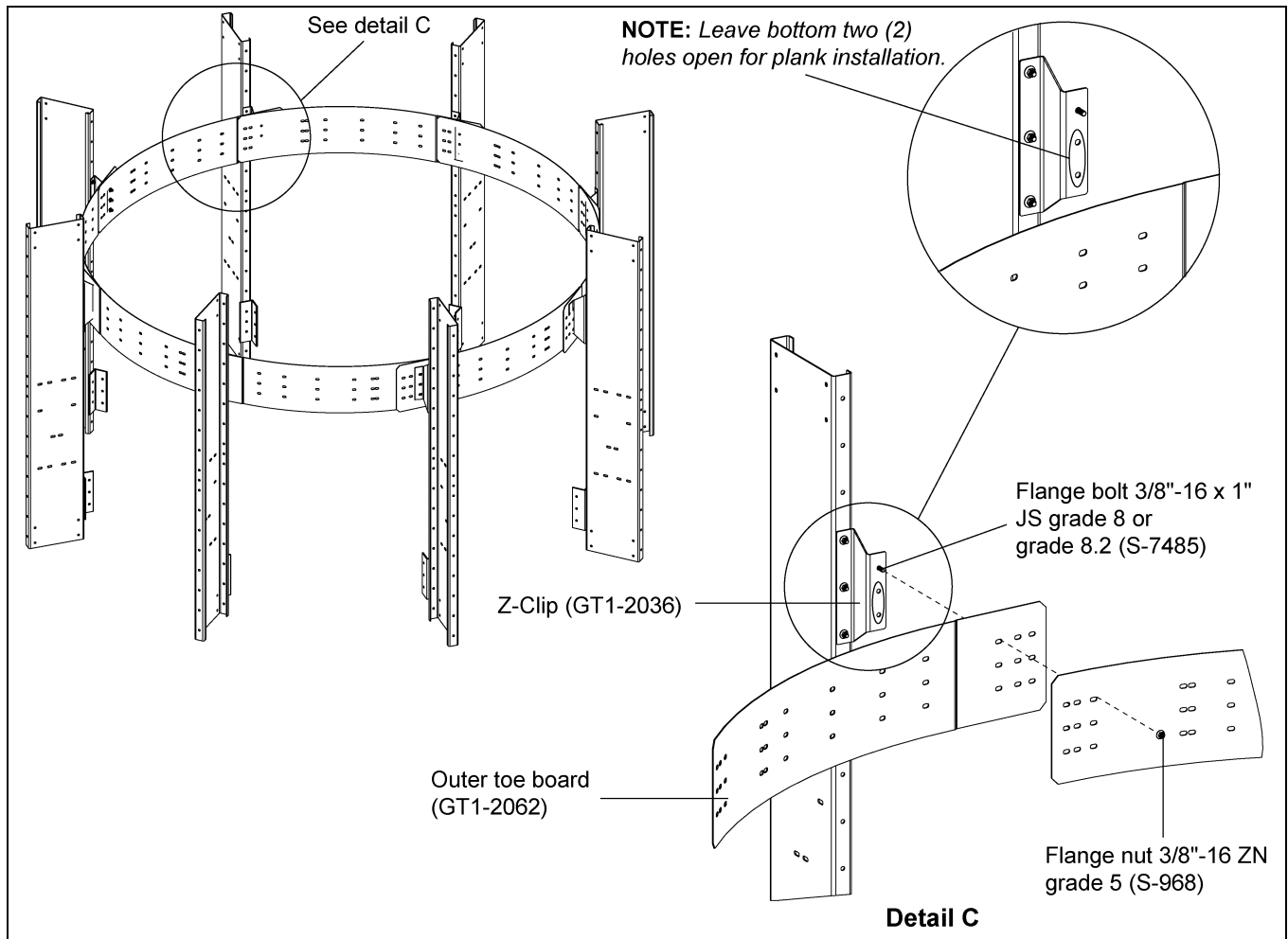
Figure 5D

2. Outer toe board is arranged with overlap slots on each side. Install 12' outer toe boards (GT1-2062) to corresponding slots as shown in *Figure 5E*.
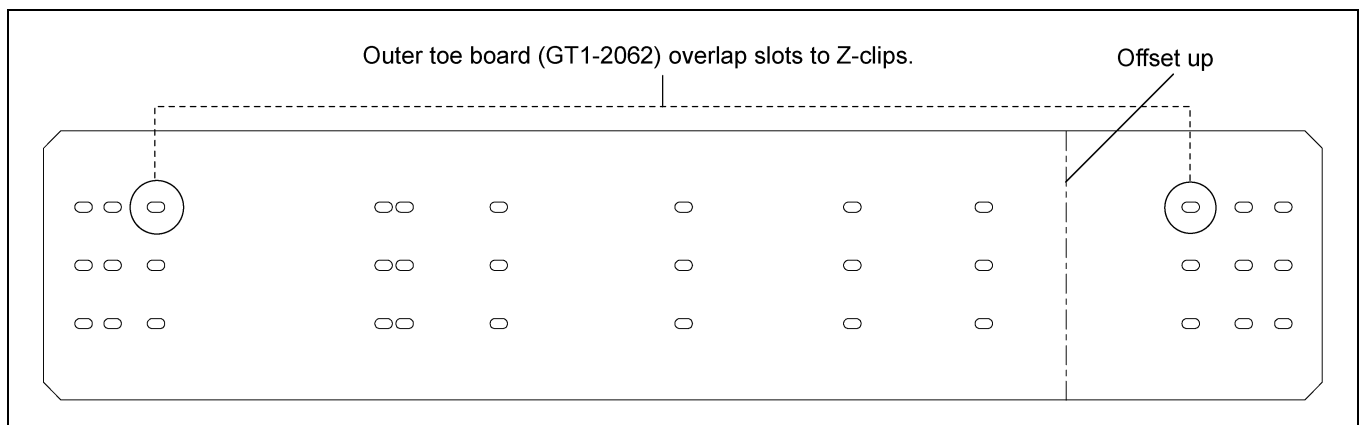
Figure 5E *12' Outer Toe Board (GT1-2062)*

Installing Planks (GT1-2060) to Outer Toe Board (GT1-2062)

1. Install the planks (GT1-2060) to the outer toe board (GT1-2062) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 5F.)*

See detail D

Outer toe board
(GT1-2062)

Truss bolt 5/16"-18 x 3/4" YDP
grade 8 or grade 8.2 (S-4303)

12' Inside catwalk
plank (GT1-2060)

Flange nut 5/16"-18
YDP grade 2 (S-10268)

NOTE: *Make sure the planks are aligned to right slots as marked in Figure 5H on Page 38.*

Detail D

Figure 5F

Installing Planks (GT1-2060) to Outer Toe Board (GT1-2062) (Continued)

2. Install all the planks (GT1-2060) continuously around the dryer. *(See Figure 5G.)*
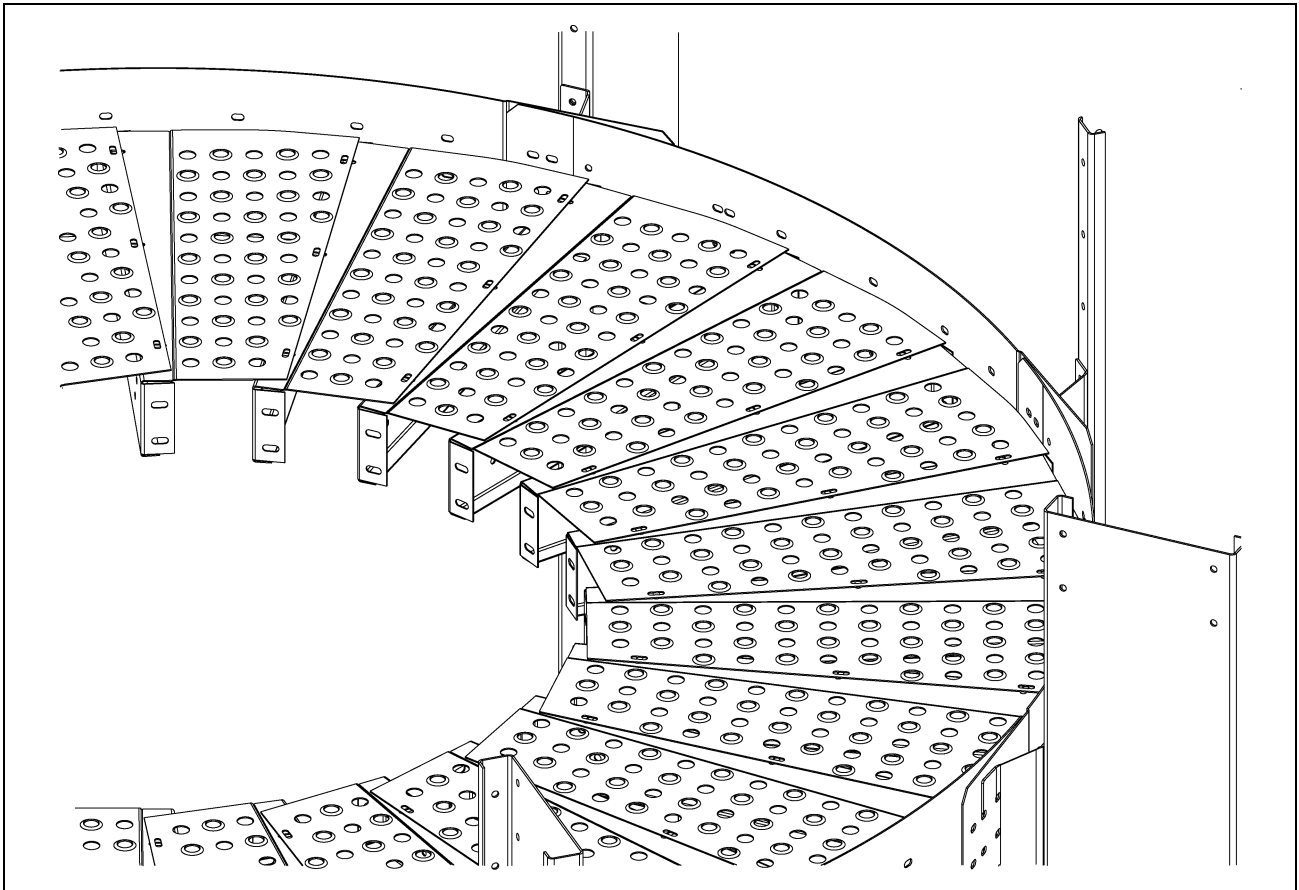
Figure 5G

3. Outer toe board (GT1-2062) is arranged with many slots to install plank. Install planks to corresponding slots as shown in *Figure 5H*.

Outer toe board (GT1-2062) plank installation slots.   Offset up
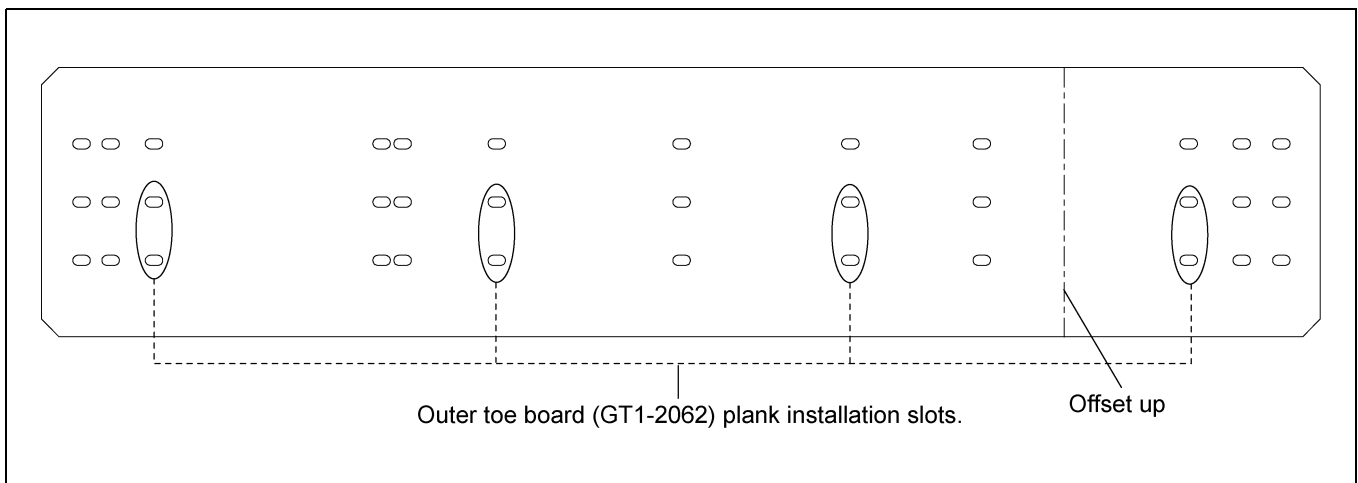
Figure 5H *12' Outer Toe Board (GT1-2062)*

Installing Knee Support (GT1-2039-BS)

1. Install the knee support (GT1-2039-BS) around the dryer between the catwalk support clips (GT1-2040-BS) and planks (GT1-2060) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 5I.)*

See detail E

12' Inside catwalk plank (GT1-2060)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Knee support (GT1-2039-BS)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Catwalk support clip (GT1-2040-BS)

Detail E

Figure 5I

Installing Inner Toe Board (GT1-2061) and Catwalk Vertical Support (GT1-2037-BS)

1. Install all the inner toe boards (GT1-2061) to the planks (GT1-2060). *(See Figure 5J.)*

2. When installing the inner toe board with planks, install the catwalk vertical support (GT1-2037-BS) simultaneously at proper locations using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 5J.)*
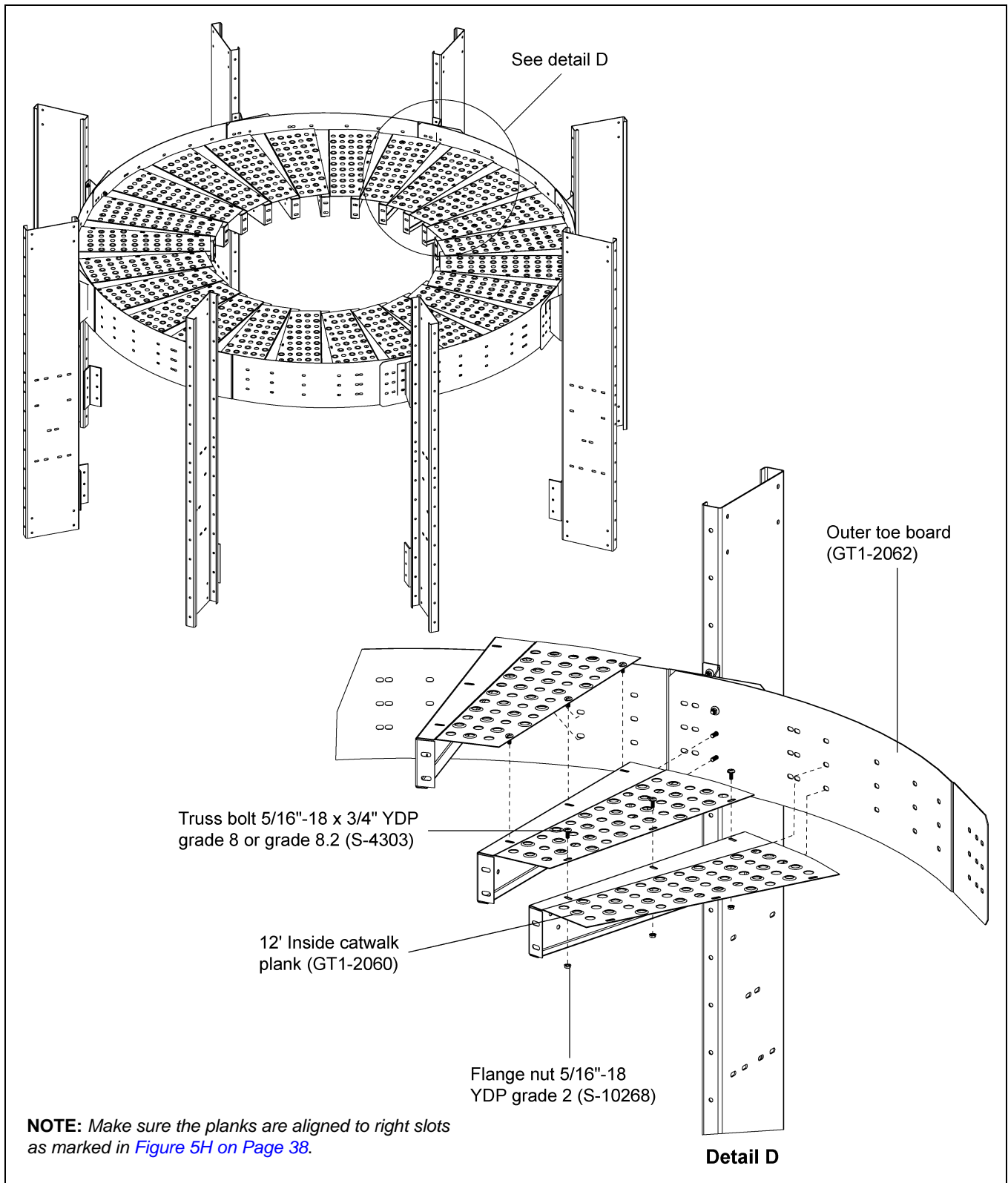

See detail F

Catwalk vertical support (GT1-2037-BS)

12' Inside catwalk plank (GT1-2060)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Flange nut 3/8"-16 ZN grade 5 (S-968)

NOTE: *Make sure the vertical support is bolted to the plank slots.*

Inner toe board (GT1-2061)

Detail F

Figure 5J

3. Inner toe board is arranged with overlap slots on each side and plank installation slots. Install 12' inner toe boards (GT1-2061) to corresponding overlap and plank installation slots as shown in *Figure 5K*.

Inner toe board (GT1-2061) overlap slots.

Inner toe board (GT1-2061) plank installation slots.

Offset up
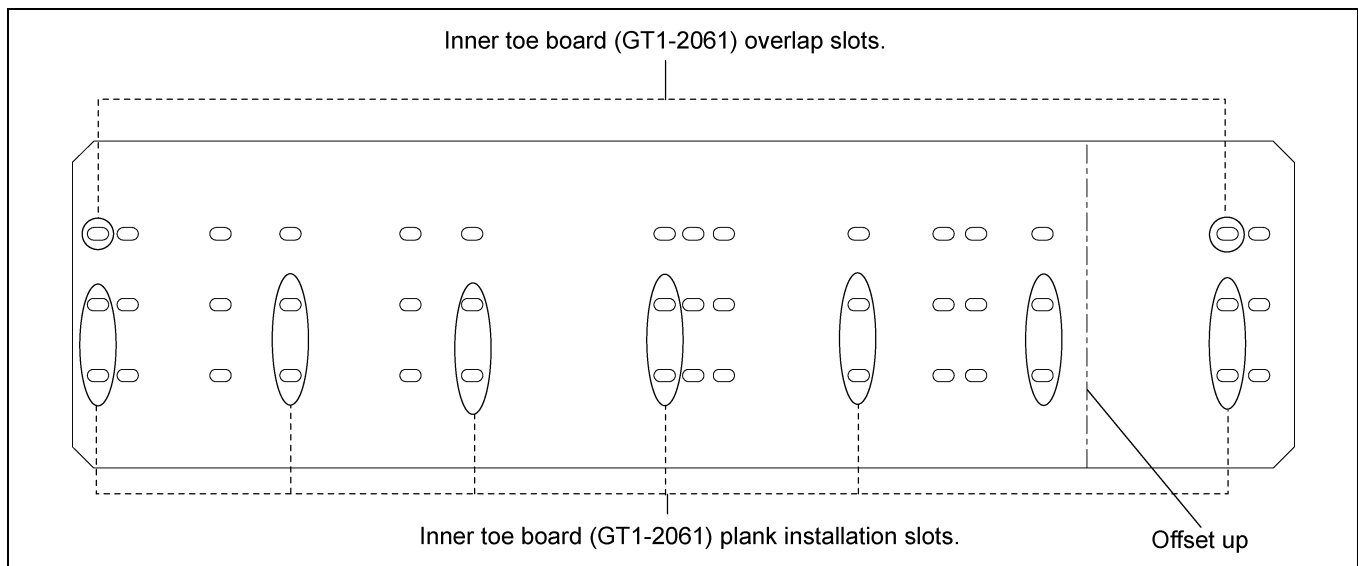
Figure 5K *12' Inner Toe Board (GT1-2061)*

Installing Handrail (GT1-2038-12I)

1. Install the handrail (GT1-2038-12I) to the catwalk vertical support (GT1-2037-BS) using 5/16"-18 ZN U-bolts (S-10171) and 5/16"-18 JS grade 2 nuts (S-10268) to tighten the handrail with vertical post. *(See Figure 5L and Figure 5M.)*
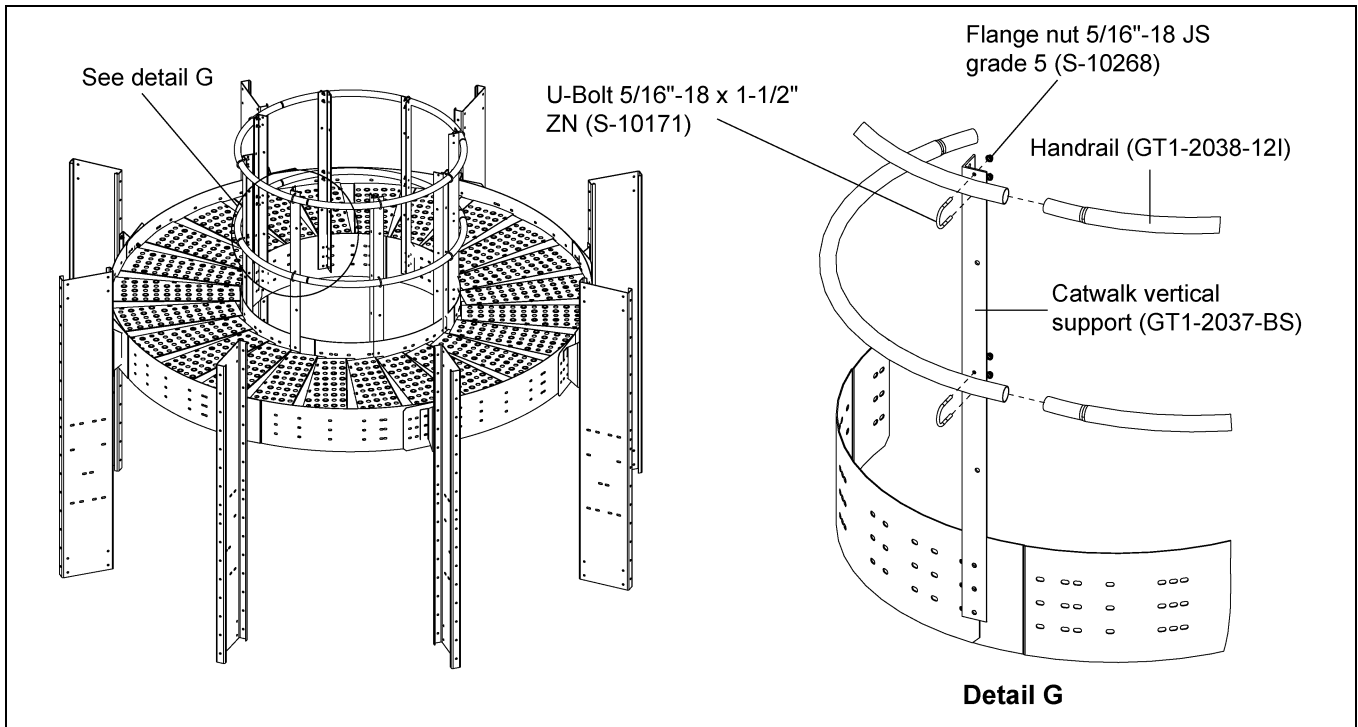
Figure 5L
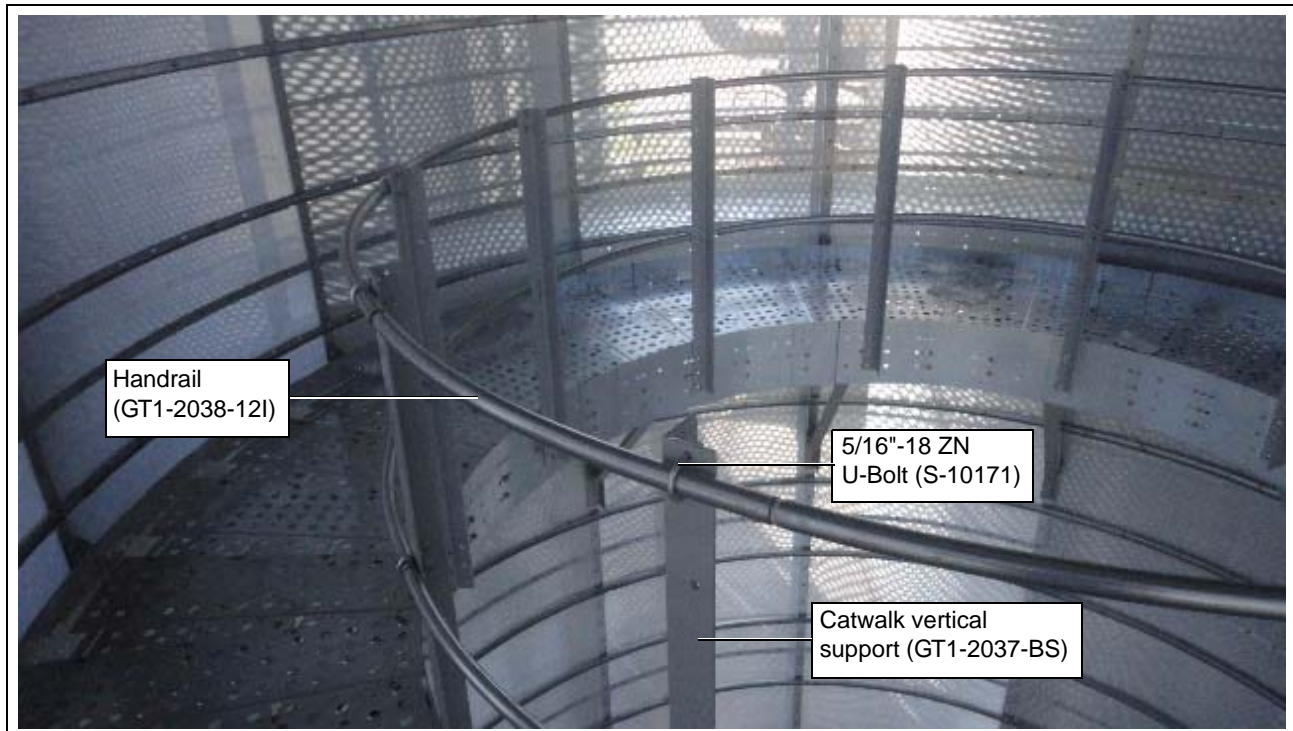
Figure 5M

Inside Catwalk Walk Surface

Ø 112-1/2" O.D.

Ø 51" I.D.
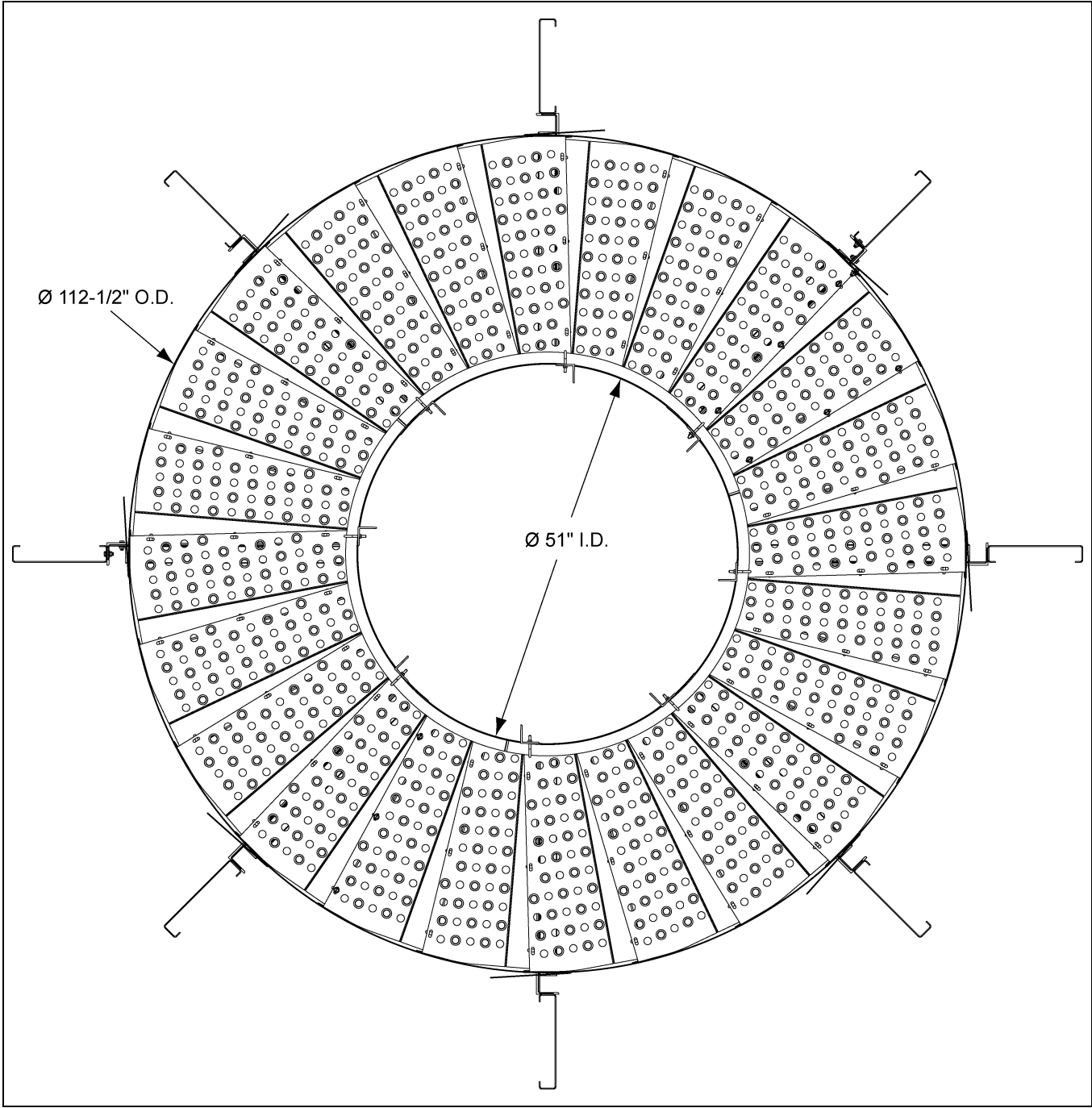
Figure 5N

12' Offset (GT4-1047-12F) and Roof Hatch (GT4-1051-12F) Fan Style Platform Assembly Instructions

Installing Z-Clips (GT1-2036)

1. Bolt Z-clips (GT1-2036) to vertical channels (GT1-0001). The Z-clip can be installed on each vertical channel as wall sheets are installed using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 6A, Figure 6B below, Figure 6C and Figure 6D on Page 45.)*
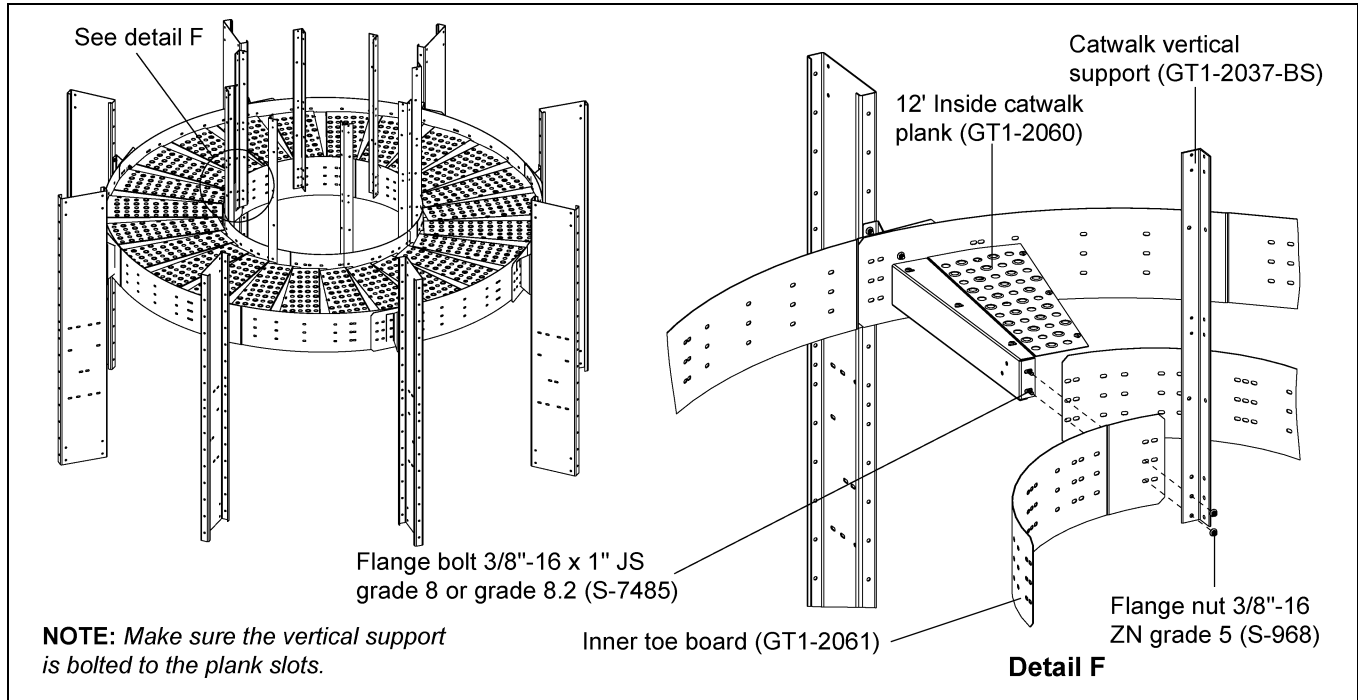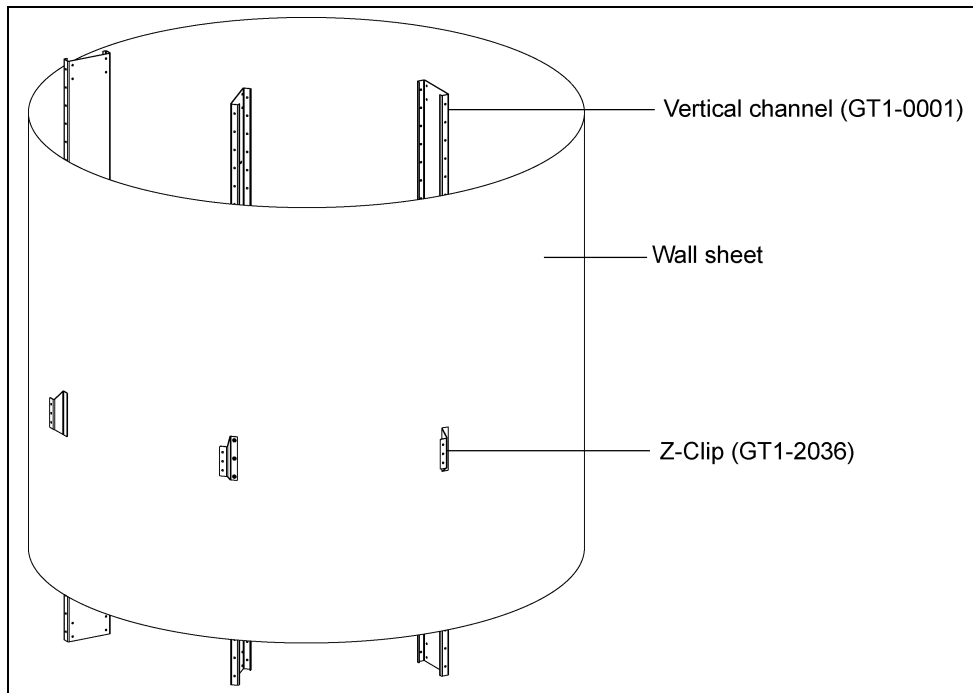

Figure 6A *Offset Z-Clip Installation*
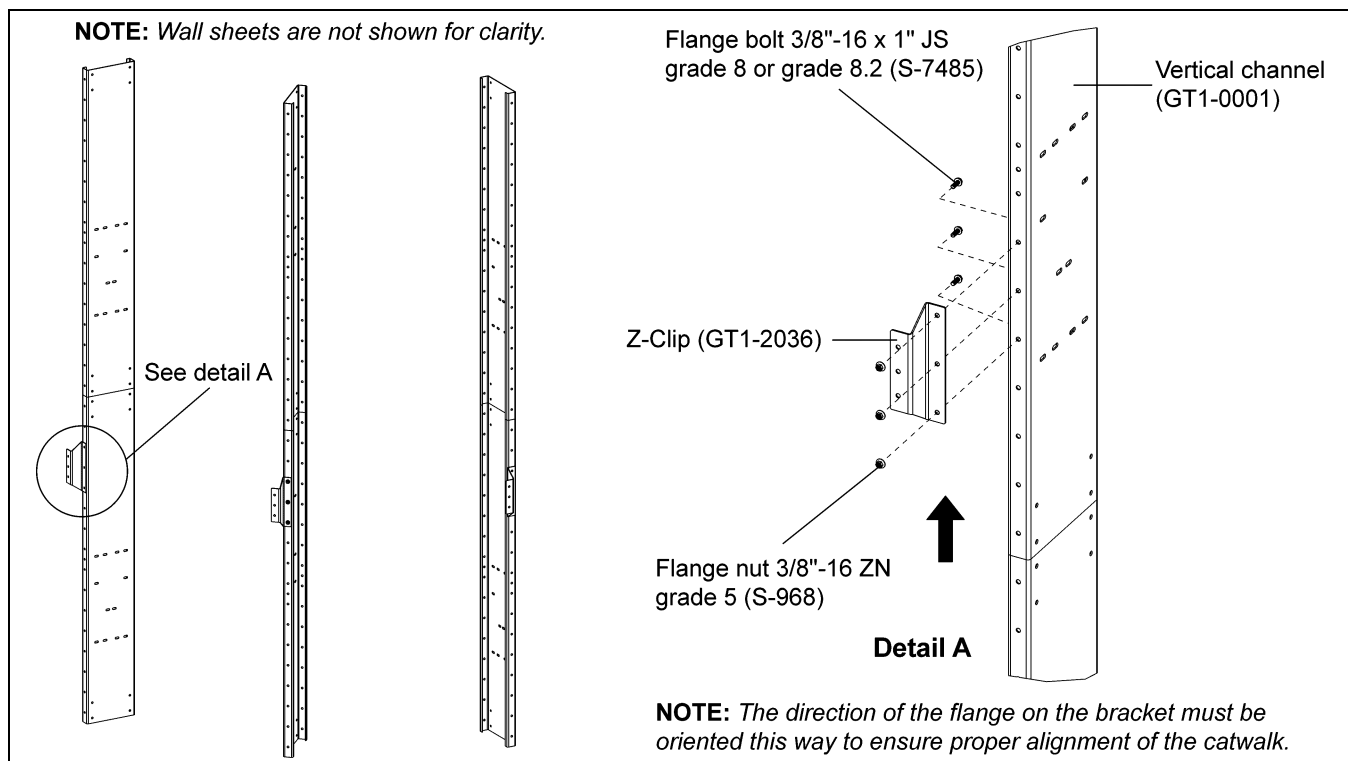
Figure 6B *Offset Z-Clip Installation*

Installing Z-Clips (GT1-2036) (Continued)

Wall sheet

Z-Clip (GT1-2036)

Vertical channel (GT1-0001)
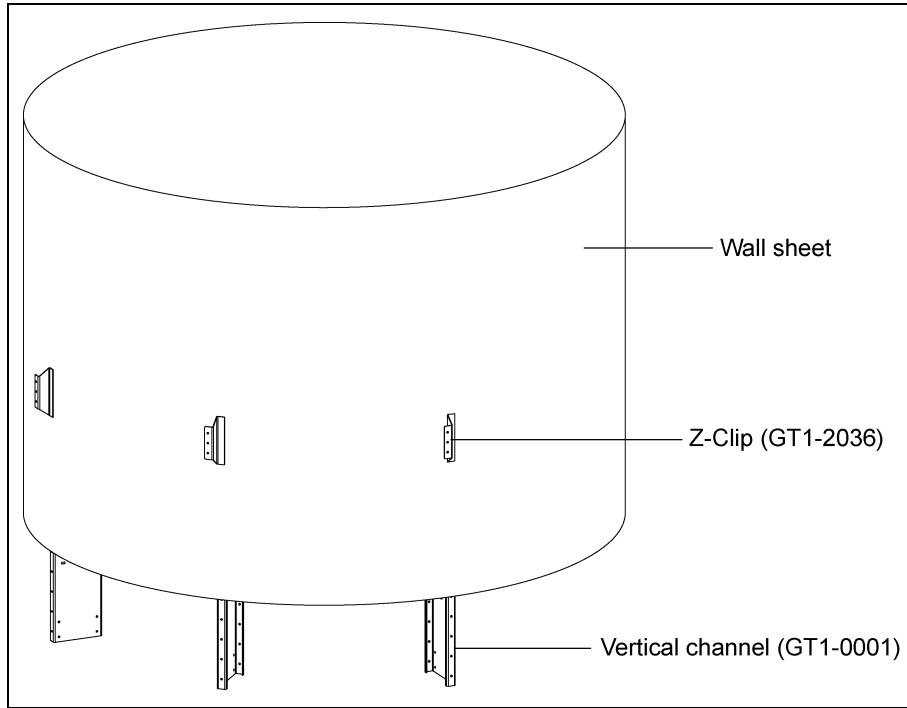
Figure 6C *Roof Hatch Z-Clip Installation*

NOTE: *Wall sheets are not shown for clarity.*

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

See detail B

Vertical channel (GT1-0001)

Z-Clip (GT1-2036)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Detail B

NOTE: *The direction of the flange on the bracket must be oriented this way to ensure proper alignment of the catwalk.*
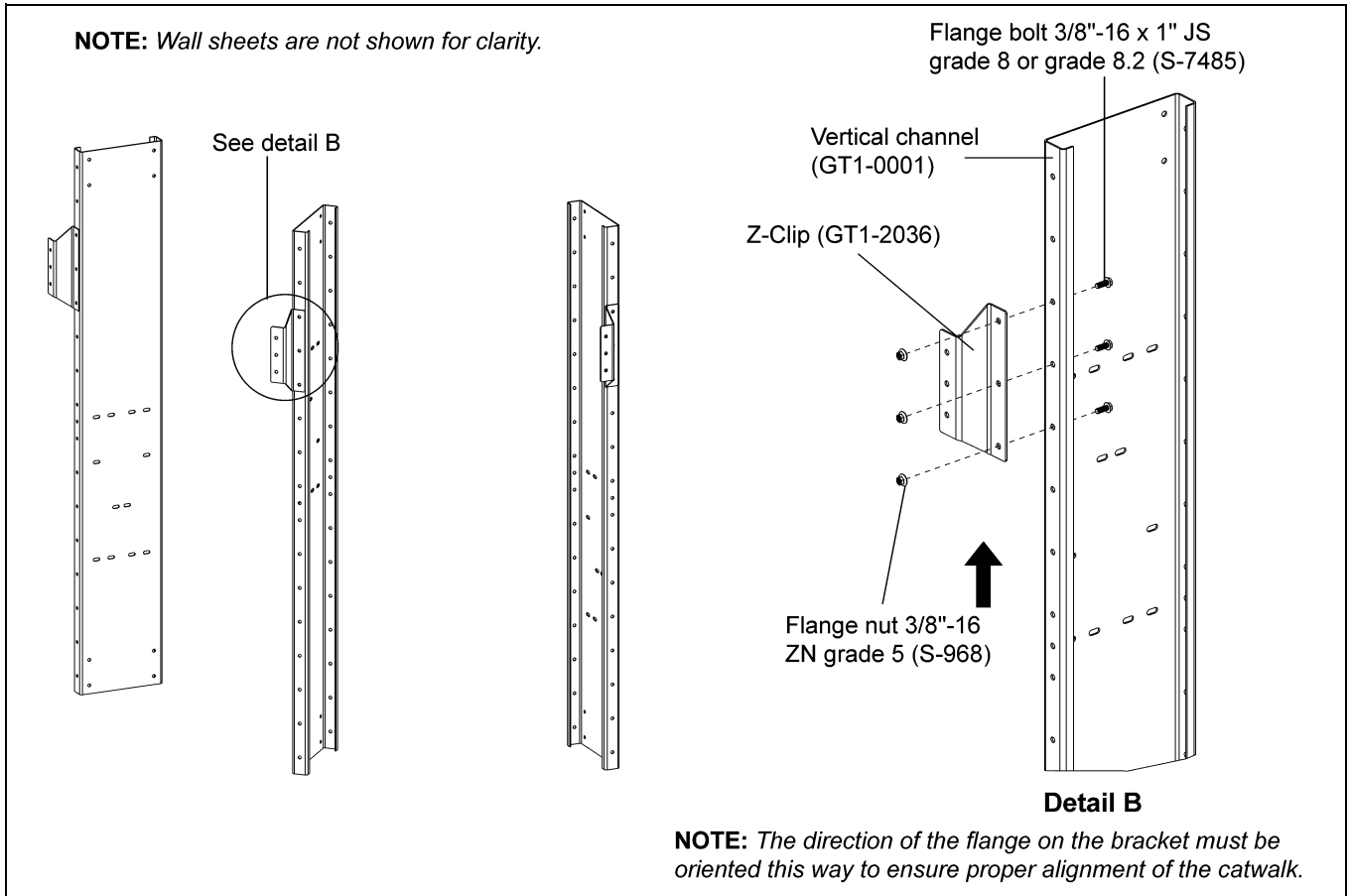
Figure 6D *Roof Hatch Z-Clip Installation*

Installing Swing Gate Stop (GT1-2045)

1. Install swing gate stops (GT1-2045) to the safety gate opening vertical channel and catwalk end vertical channel on offset catwalk as wall sheets are installed using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 grade 5 nuts (S-968). *(See Figure 6E and Figure 6F.)*

See detail C

See detail C

Vertical channel (GT1-0001)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Swing gate stop/platform end plate (GT1-2045)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Z-Clip (GT1-2036)

Detail C
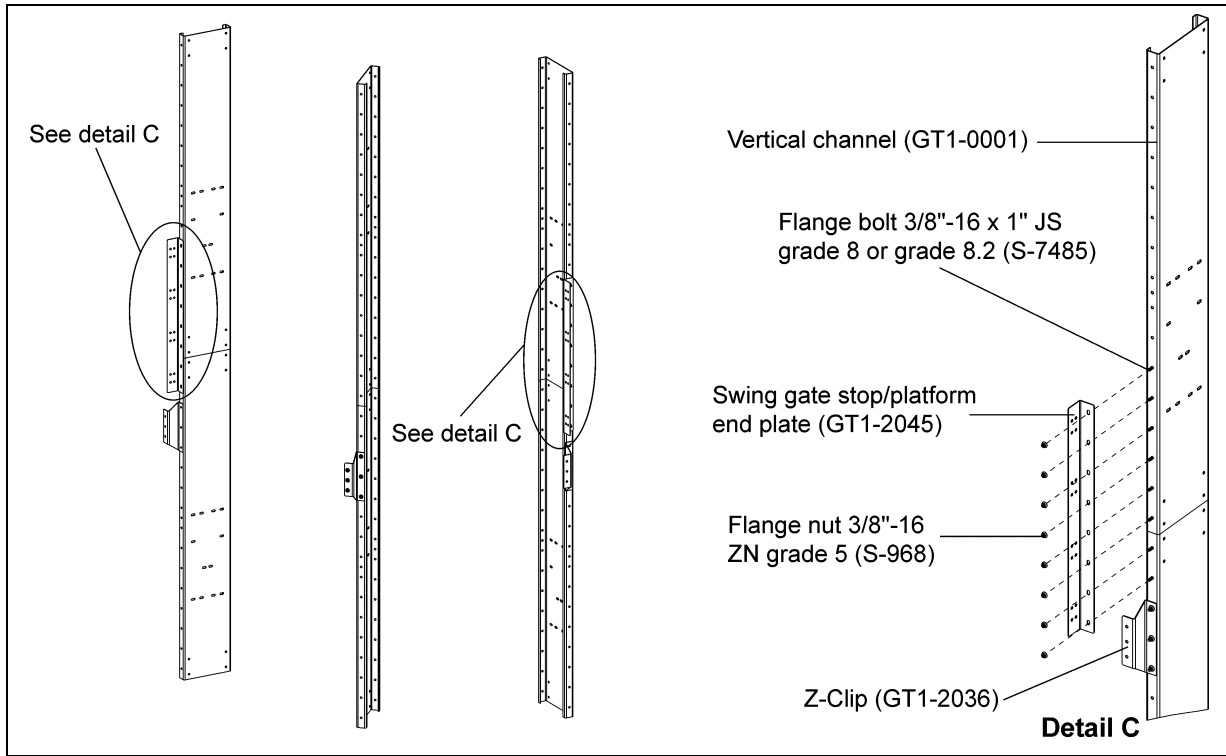
Figure 6E *Offset Swing Gate Stop Installation*

Inside   **Outside**

Swing gate stop/platform end plate (GT1-2045)

Z-Clip (GT1-2036)

Vertical channel (GT1-0001)

NOTE: *Inside: Vertical channel side pointing inside.*
Outside: Vertical channel side pointing outside.
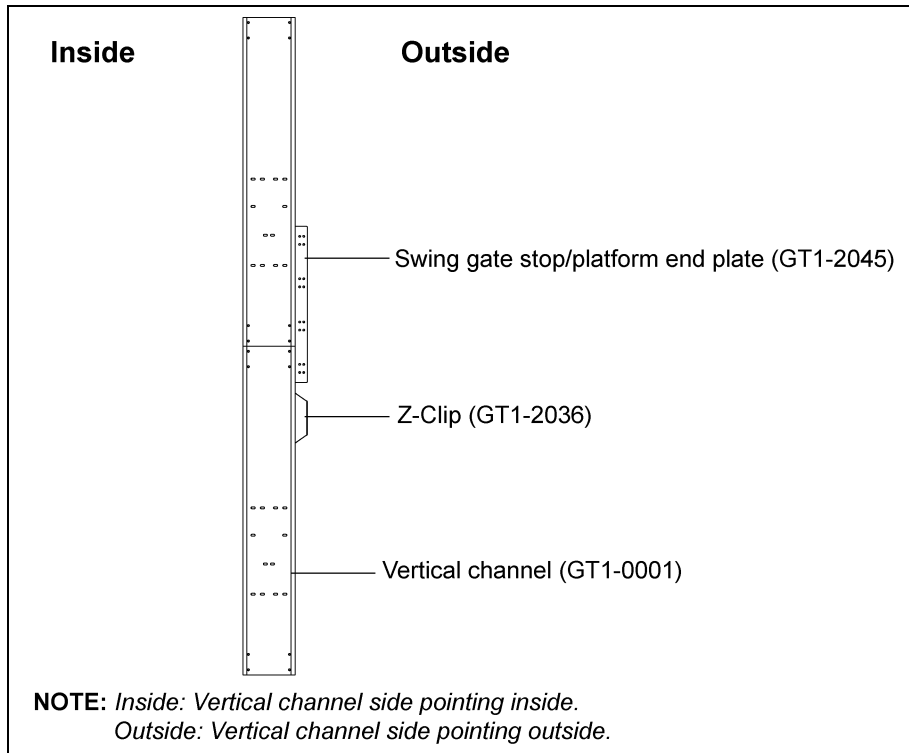
Figure 6F

Installing Catwalk Support Clip (GT1-2040-BS)

1. Install catwalk support clips (GT1-2040-BS) to vertical channels (GT1-0001). Support clip can be installed on each vertical channel as the wall sheets are installed using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 6G below and Figure 6I on Page 48.)*

2. The distance between the Z-clip and support clip 12' offset and roof hatch platform is 31-1/2". *(See Figure 6H below and Figure 6J on Page 48.)*

NOTE: *Wall sheets are not shown for clarity.*

Vertical channel (GT1-0001)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Catwalk support clip (GT1-2040-BS)

Flange nut 3/8"-16 ZN grade 5 (S-968)

See detail D

Detail D
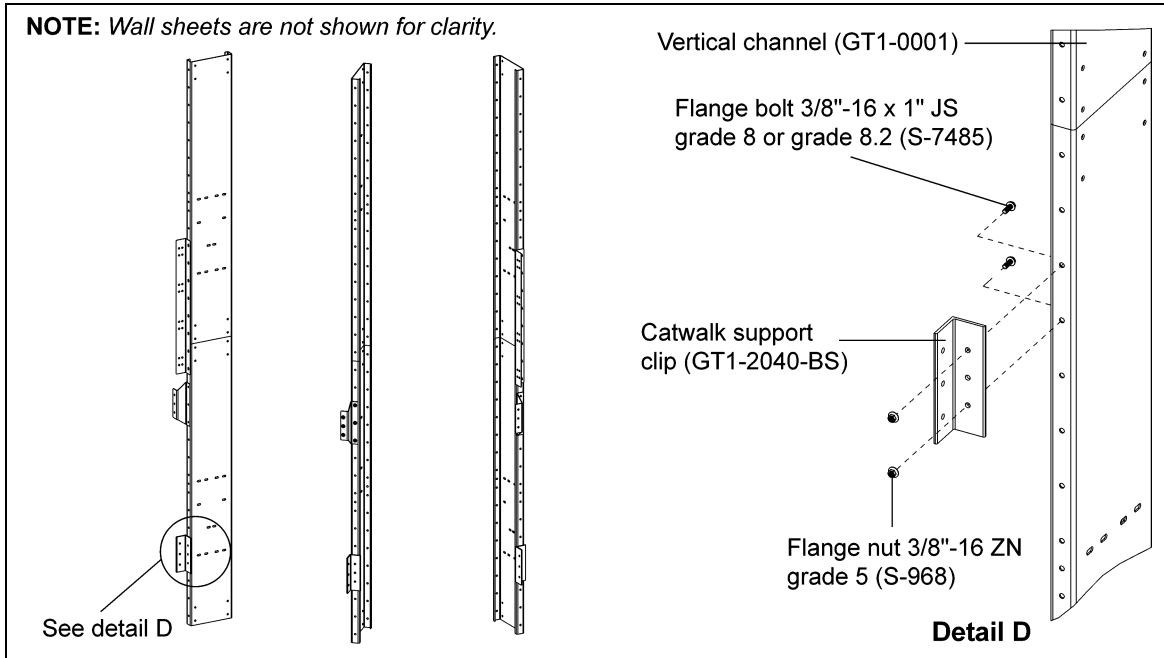
Figure 6G *Offset Catwalk Support Clip Installation*

Inside   **Outside**

Vertical channel (GT1-0001)

Swing gate stop/platform end plate (GT1-2045)

Z-Clip (GT1-2036)

31-1/2"

Catwalk support clip (GT1-2040-BS)

NOTE: *Inside: Vertical channel side pointing inside.*
Outside: Vertical channel side pointing outside.
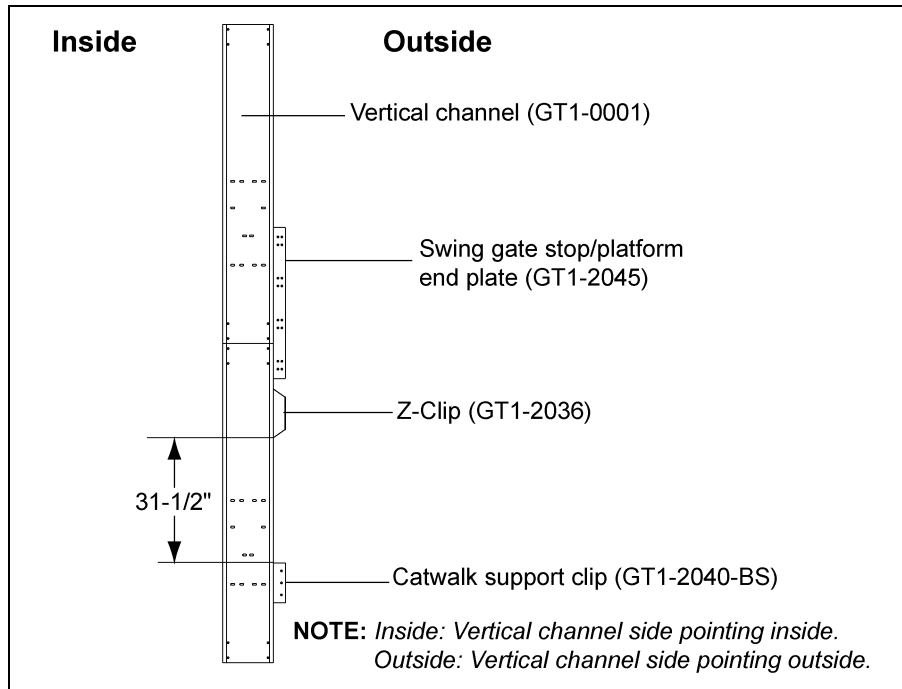
Figure 6H

Installing Catwalk Support Clip (GT1-2040-BS) (Continued)
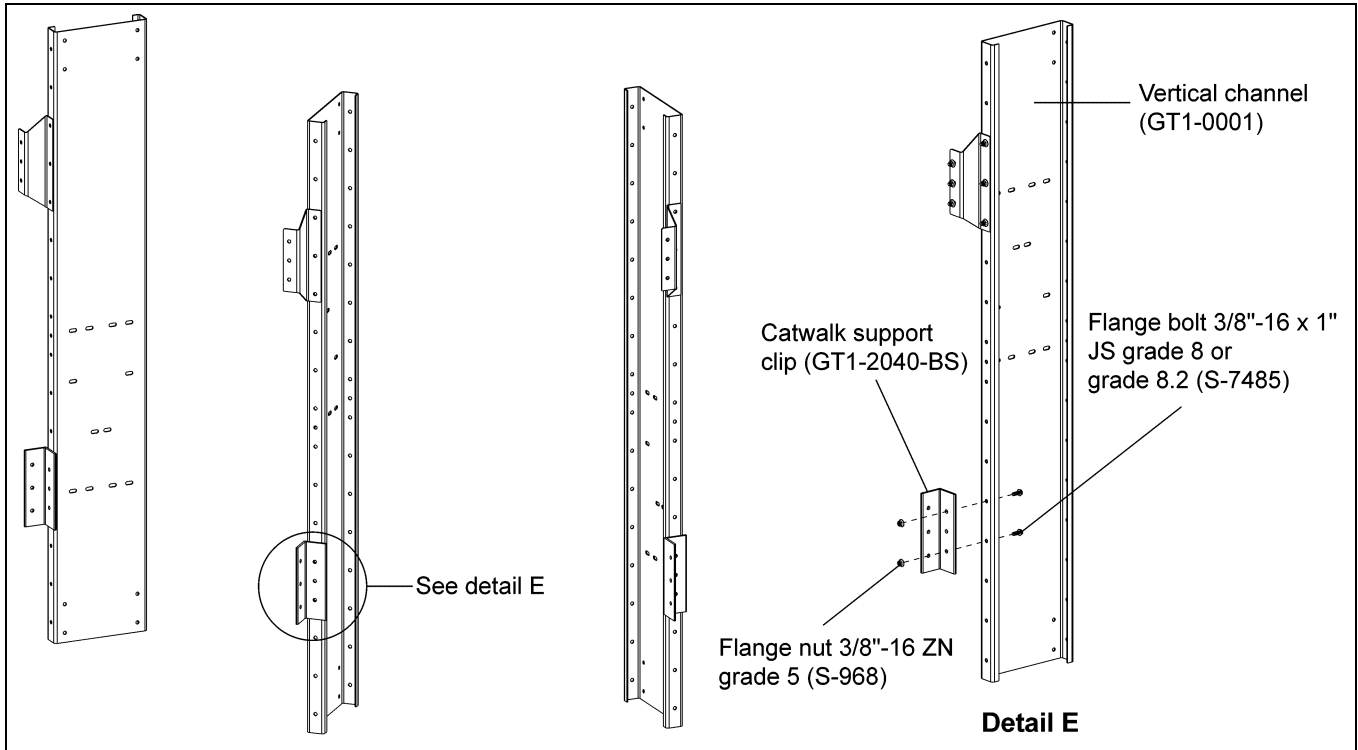
Figure 6I *Roof Hatch Catwalk Support Clip Installation*
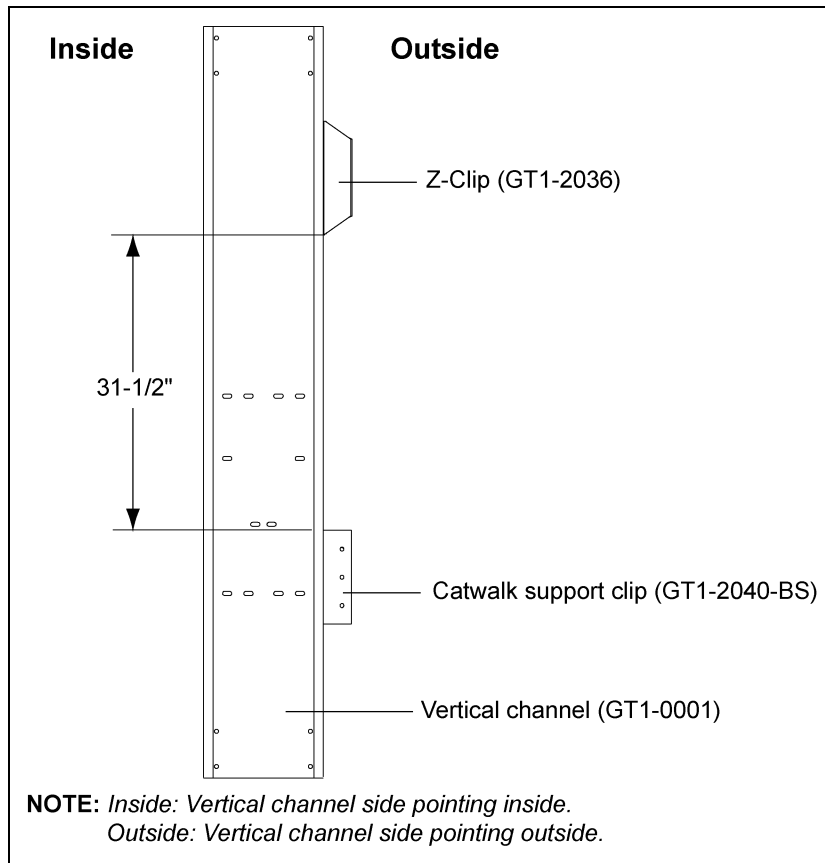
Figure 6J

Installing Inner Toe Board (GT1-2035)

1. Install the inner toe board (GT1-2035) to the Z-clips (GT1-2036). *(See Figure 6K.)*

2. All the toe boards should be installed between the Z-clips using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 6K.)*

See detail F

See detail F

Roof hatch catwalk

Offset catwalk

NOTE: *Leave bottom two (2) holes for plank installation.*

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Inner toe board (GT1-2035)

Detail F
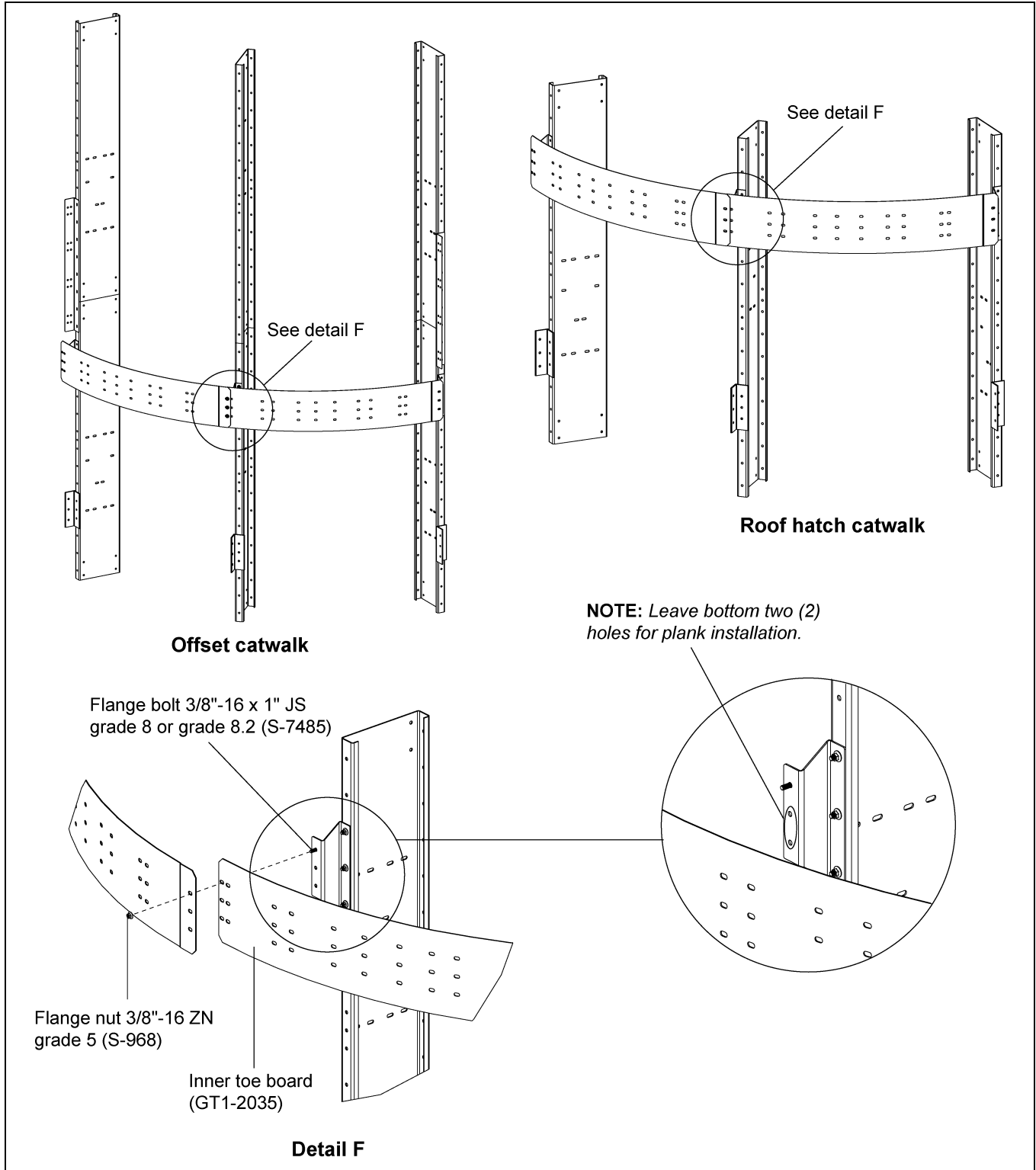
Figure 6K *Inner Toe Board Installation for Offset and Roof Hatch Catwalks*

Installing Inner Toe Board (GT1-2035) (Continued)

3. Inner toe board is arranged with overlap slots on each side. Install 12' offset and roof hatch inner toe boards (GT1-2035) to corresponding slots as shown in *Figure 6L*.
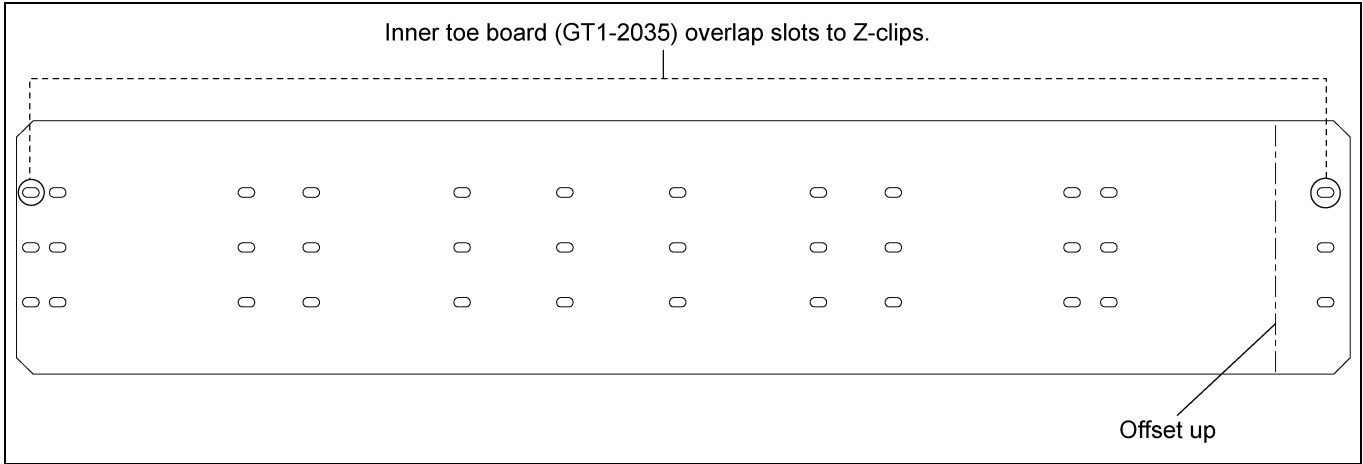
Figure 6L *12' Inner Toe Board (GT1-2035)*

Installing Plank (GT3-1669) to Inner Toe Board (GT1-2035)

1. Install planks (GT3-1669) to bottom two (2) holes of the inner toe board (GT1-2035) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 6M.)*

See detail G

Roof hatch catwalk

See detail G

Offset catwalk

Plank (GT3-1669)

Truss bolt 5/16"-18 x 3/4" JS grade 8 or grade 8.2 (S-10267)

Inner toe board (GT1-2035)

Detail G

Flange nut 5/16"-18 JS grade 5 (S-10268)

NOTE: *Make sure the planks are aligned to right slots as marked in* Figure 6N on Page 52.

Figure 6M *Inner Toe Board (GT1-2035) Plank Installation for Offset and Roof Hatch Catwalks*

Installing Plank (GT3-1669) to Inner Toe Board (GT1-2035) (Continued)

2. Inner toe board (GT1-2035) is arranged with many slots to install plank. Install offset and roof hatch planks to corresponding slots as shown in *Figure 6N*.

Inner toe board (GT1-2035) plank installation slots.   Offset up
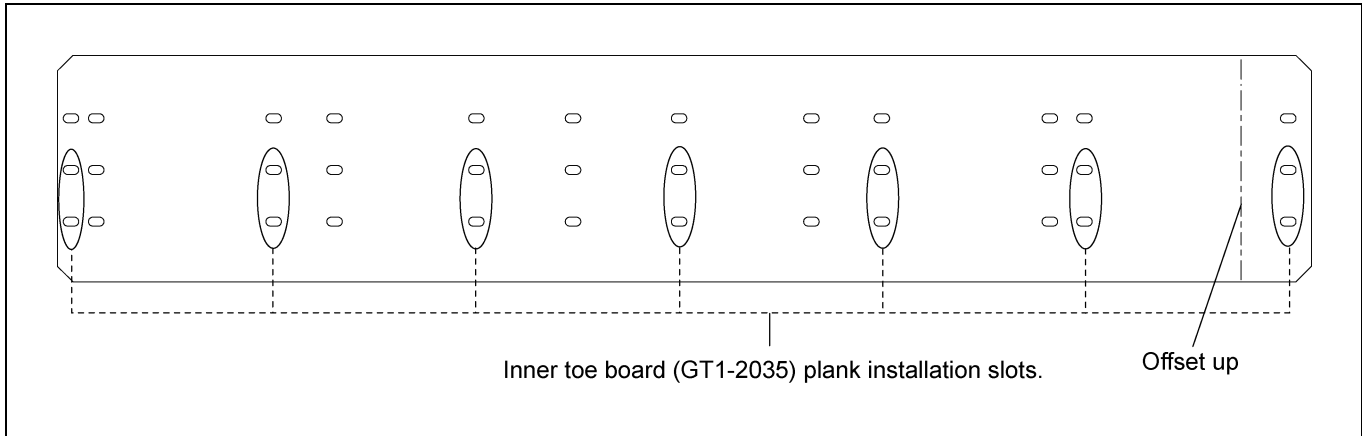
Figure 6N *12' Inner Toe Board (GT1-2035)*

3. Install all the planks (GT3-1669) continuously around the dryer except at the jack pole locations. *(See Figure 6O.)*

Jack pole
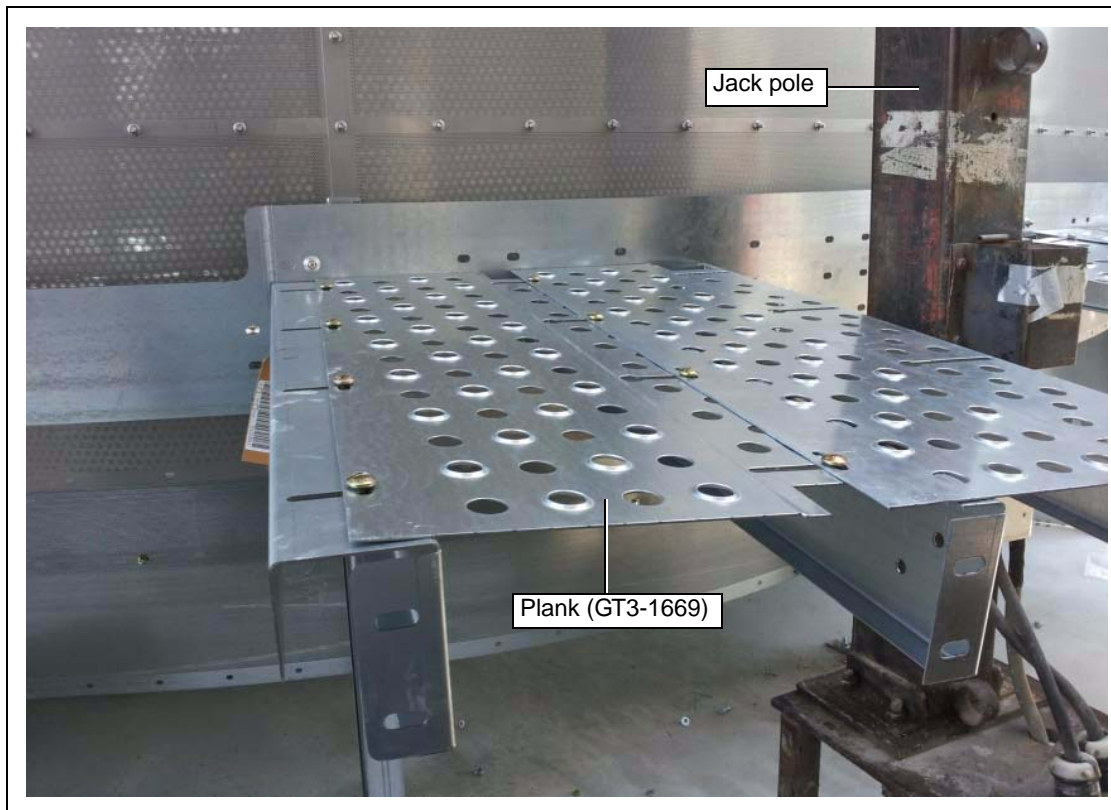
Plank (GT3-1669)

Figure 6O

Installing Plank (GT3-1669) to Inner Toe Board (GT1-2035) (Continued)

Plank (GT3-1669)

Truss bolt 5/16"-18 x 3/4" JS grade 8 or grade 8.2 (S-10267)

Flange nut 5/16"-18 JS grade 5 (S-10268)
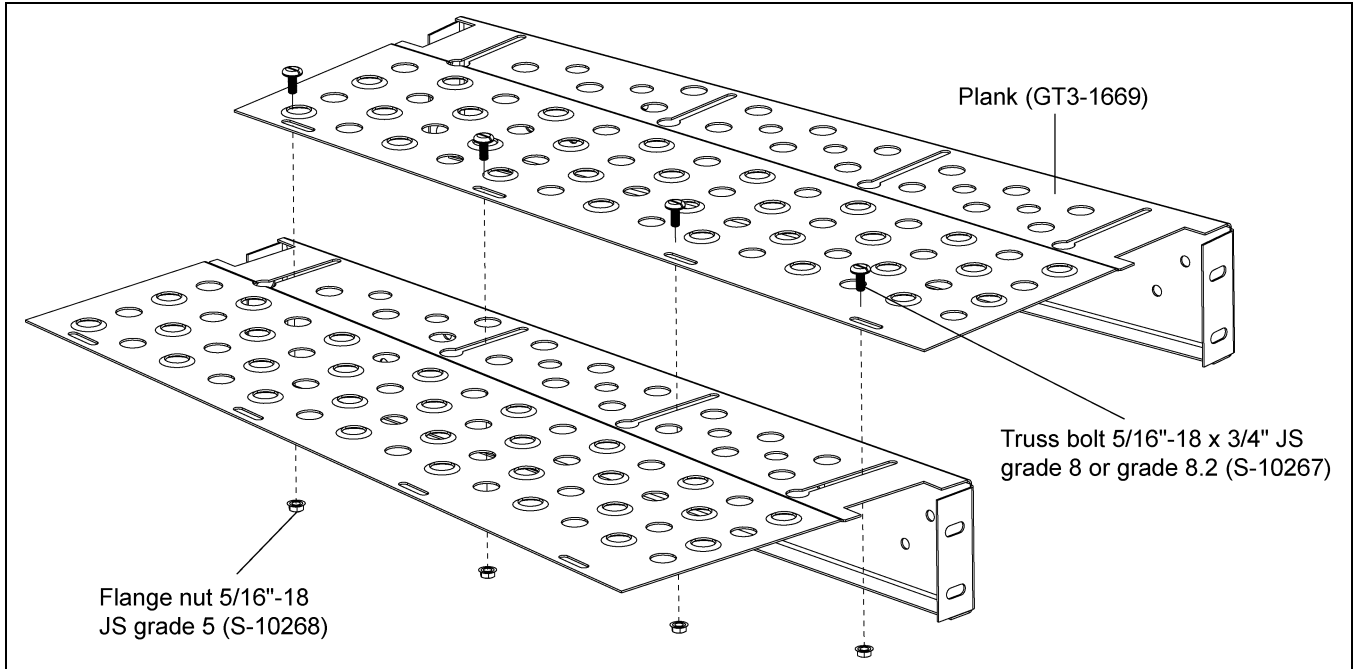
Figure 6P

4. Each plank should be overlapped at the edges and bolted with 5/16"-18 x 3/4" JS grade 8 or grade 8.2 bolts (S-10267) and 5/16"-18 x 3/4" JS grade 2 nuts (S-10268). *(See Figure 6Q.)*
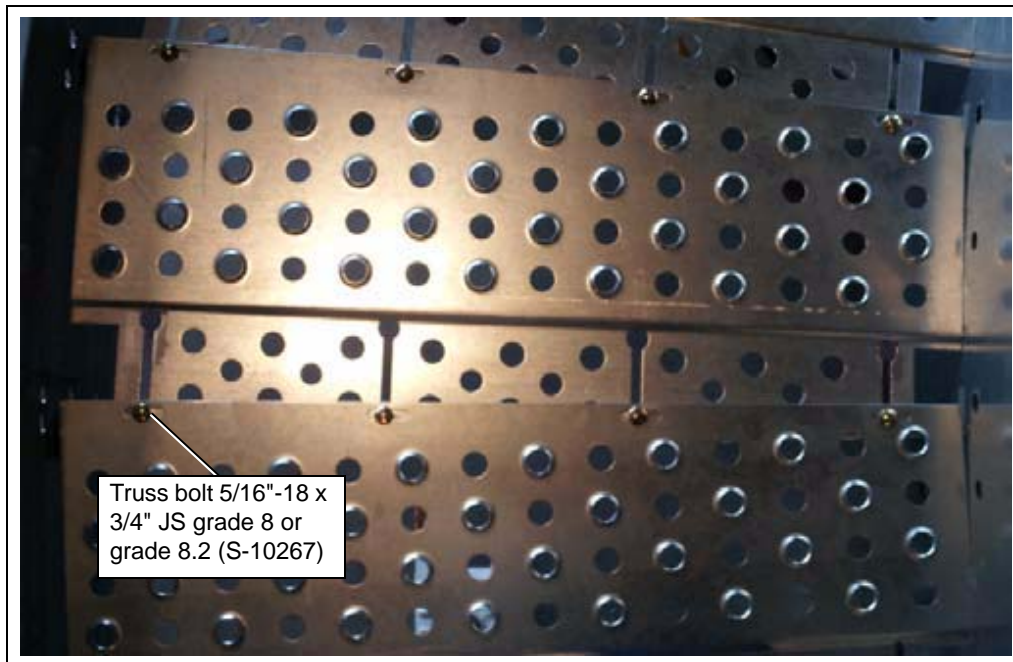
Truss bolt 5/16"-18 x 3/4" JS grade 8 or grade 8.2 (S-10267)

Figure 6Q

Installing Plank Support (GT1-2086)

1. Once the planks are installed, install the plank support (GT1-2086) at the catwalk closing end using 5/16"-18 x 3/4" JS grade 8 or grade 8.2 bolts (S-10267) and 5/16"-18 JS grade 2 nuts (S-10268). *(See Figure 6R.)*

See detail H

Roof hatch catwalk

See detail H

Offset catwalk

Truss bolt 5/16"-18 x 3/4" JS grade 8 or grade 8.2 (S-10267)

Plank (GT3-1669)

Catwalk plank support (GT1-2086)

Flange nut 5/16"-18 JS grade 5 (S-10268)

Detail H
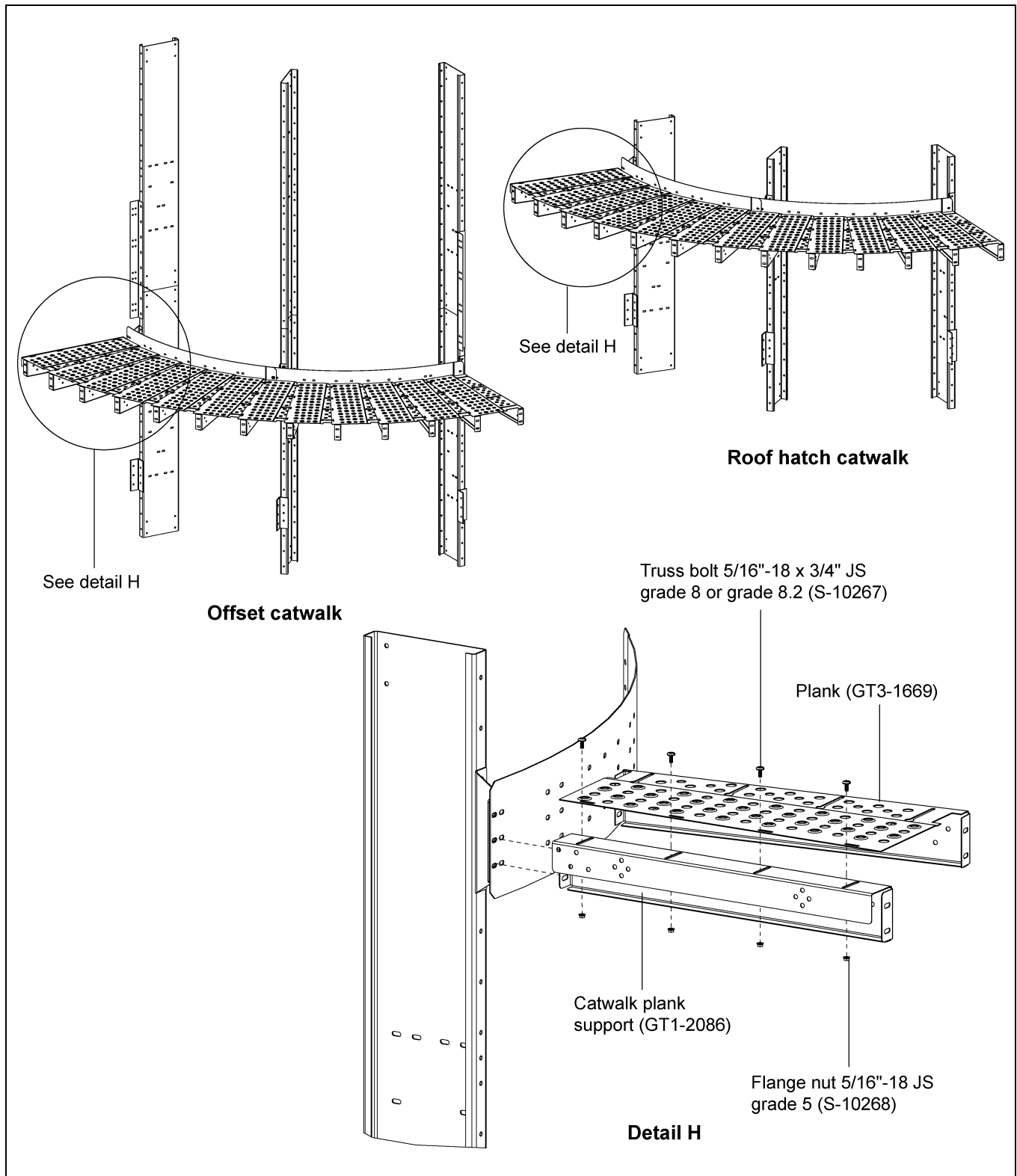
Figure 6R *Plank Support (GT1-2086) Installation for Offset and Roof Hatch Catwalks*

Installing Knee Support (GT1-2039-BS)

1. Install the knee support (GT1-2039-BS) around the dryer between the catwalk support clips (GT1-2040-BS) and the planks (GT3-1669) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 6S.)*
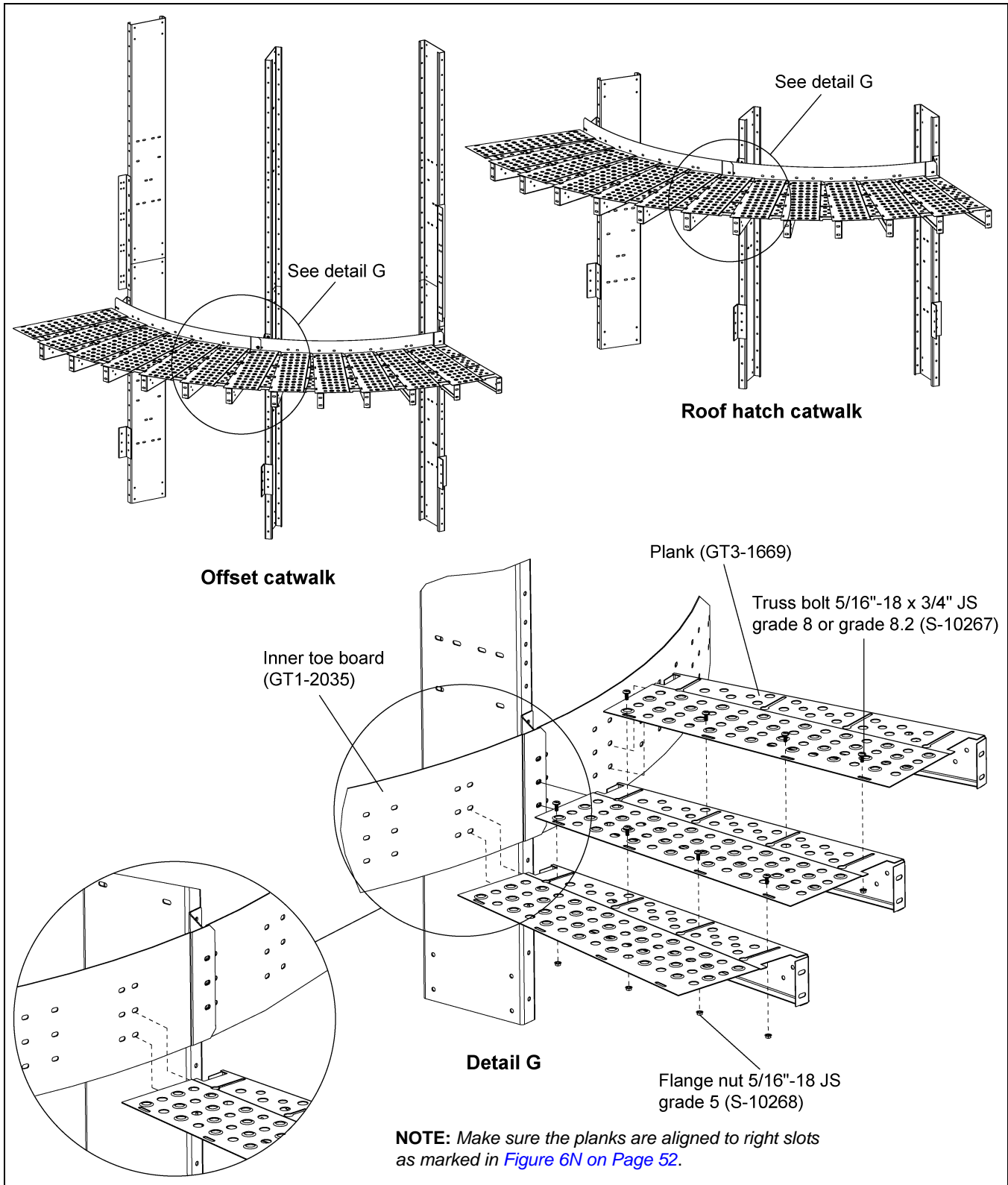
Plank (GT3-1669)

Outside/inside catwalk knee support (GT1-2039-BS)

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Flange nut 3/8"-16 ZN grade 5 (S-968)

Catwalk support clip (GT1-2040-BS)

Detail I

See detail I

Offset catwalk

Outside　　　　**Inside**

Plank (GT3-1669)

Knee support (GT1-2039-BS)

See detail I

Catwalk support clip (GT1-2040-BS)

Roof hatch catwalk

NOTE: *Inside: Vertical channel side pointing inside.*
Outside: Vertical channel side pointing outside.

Figure 6S *Knee Support (GT1-2039-BS) Installation for Offset and Roof Hatch Catwalks*

Installing Outer Toe Board (GT1-2034-12) and Catwalk Vertical Support (GT1-2037-BS)

1. Install all the outer toe boards (GT1-2034-12) to the planks (GT3-1669). *(See Figure 6T.)*

2. When installing the outer toe board with planks, install the catwalk vertical support (GT1-2037-BS) simultaneously at proper locations using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). *(See Figure 6T.)*

See detail J

Roof hatch catwalk

See detail J

Offset catwalk

Flange bolt 3/8"-16 x 1" JS grade 8 or grade 8.2 (S-7485)

Catwalk vertical support (GT1-2037-BS)

NOTE: *Make sure the vertical support is bolted to the plank slots.*

Flange nut 3/8"-16 ZN grade 5 (S-968)

Outer toe board (GT1-2034-12)

Detail J
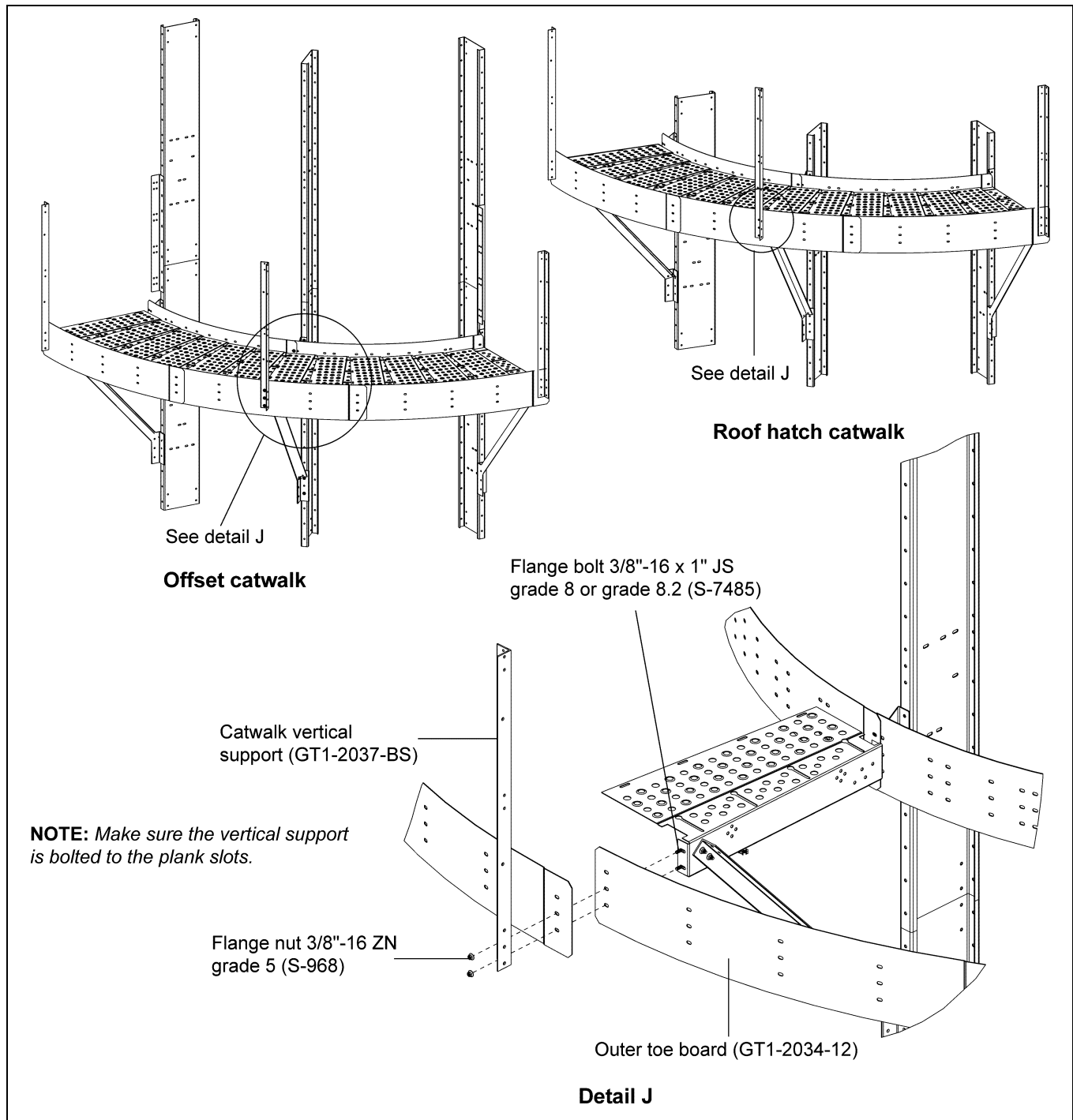
Figure 6T *Outer Toe Board (GT1-2034-12) and Vertical Support (GT1-2037-BS)*
Installation for Offset and Roof Hatch Catwalks

Installing Long Handrails (GT1-2038-12O)

1. Install the long handrail (GT1-2038-12O) to the catwalk vertical support (GT1-2037-BS) using 5/16"-18 ZN U-bolts (S-10171) and 5/16"-18 JS grade 2 nuts (S-10268) to tighten the handrail with vertical post. *(See Figure 6U.)*

2. Use the self-tapping screws SDS #10-16 x 3/4" HWH ZN grade 2 (S-7466) at all handrail pipe joints. *(See Figure 6U.)*
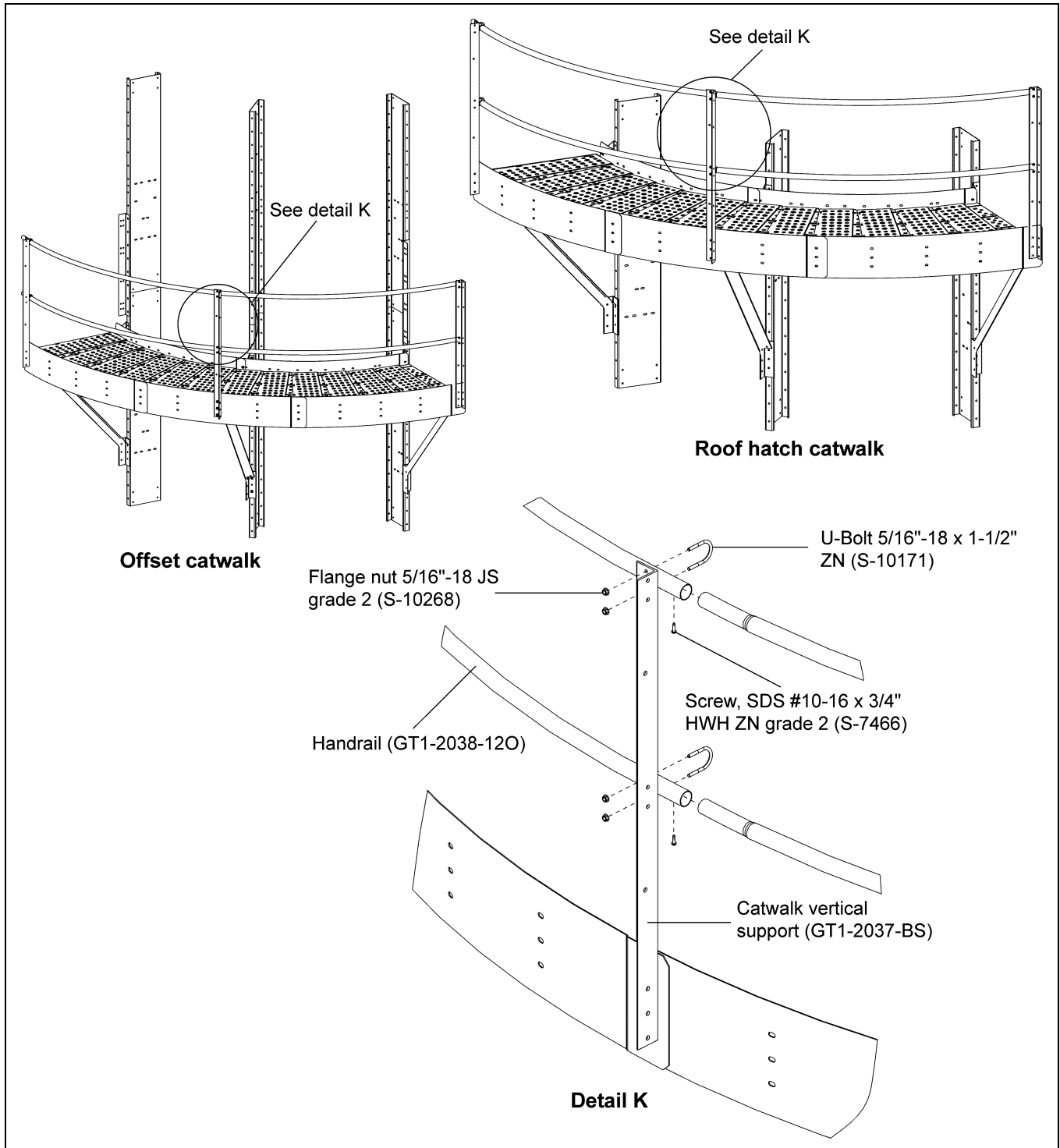
Figure 6U *Handrail (GT1-2038-12O) Installation for Offset and Roof Hatch Catwalks*

Installing Long Handrails (GT1-2038) (Continued)

3. Install the platform end handrail (GT1-2044) to the catwalk vertical support (GT1-2037-BS) and the platform end plate (GT1-2045). *(See Figure 6V below and Figure 6W on Page 59.)*

See detail L

Handrail, platform end (GT1-2044)

Offset catwalk

Catwalk vertical support (GT1-2037)

Toe board, platform end (GT1-2095)

Catwalk support clip (GT1-2040-BS)

Knee support (GT1-2039-BS)

Detail L
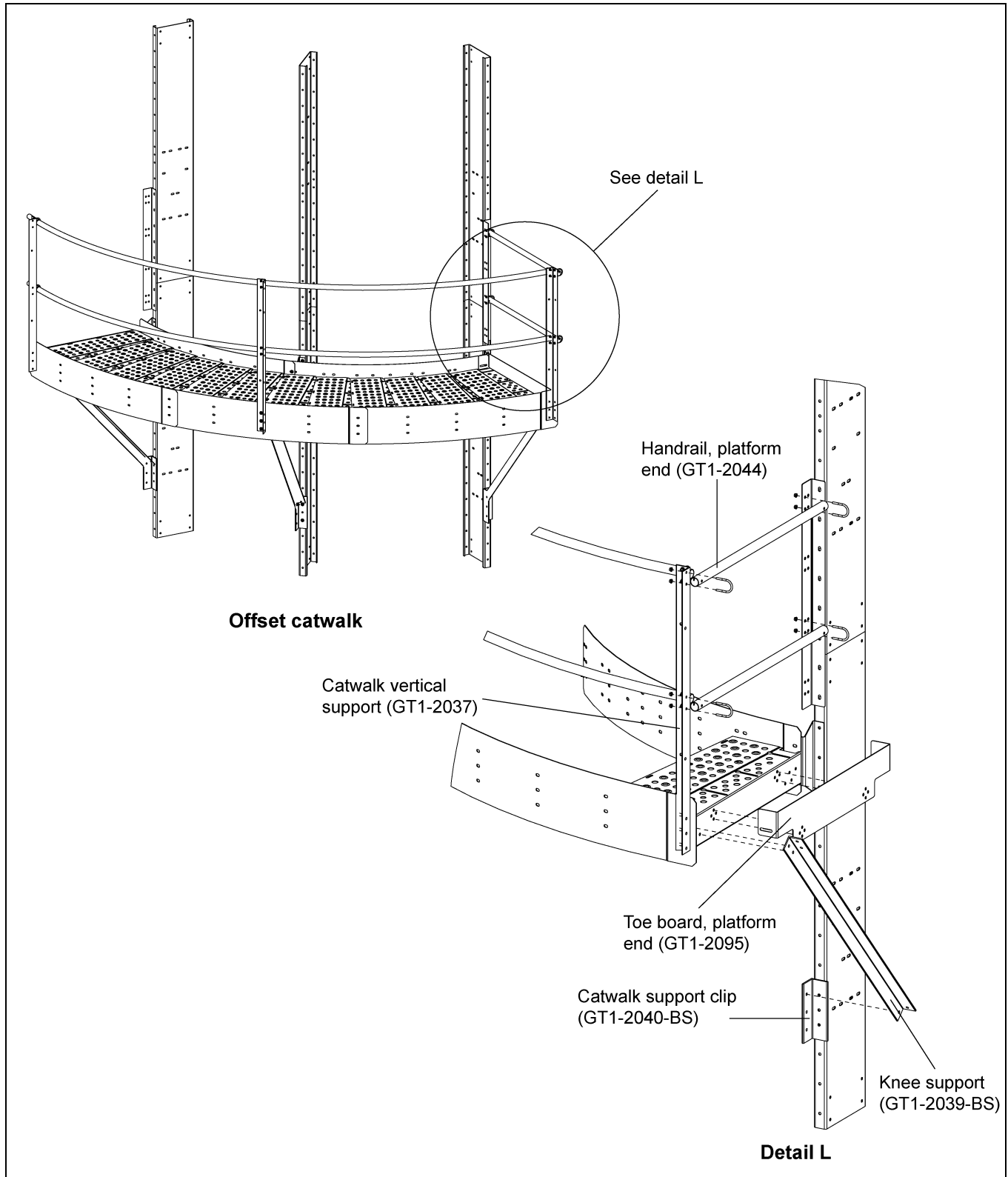
Figure 6V *Offset Platform End Handrail (GT1-2044) Installation*

Installing Long Handrails (GT1-2038) (Continued)

See detail M

Swing gate stop plate (GT1-2091)

Handrail, platform end (GT1-2044)

Roof hatch catwalk

Toe board, platform end (GT1-2095)

Detail M
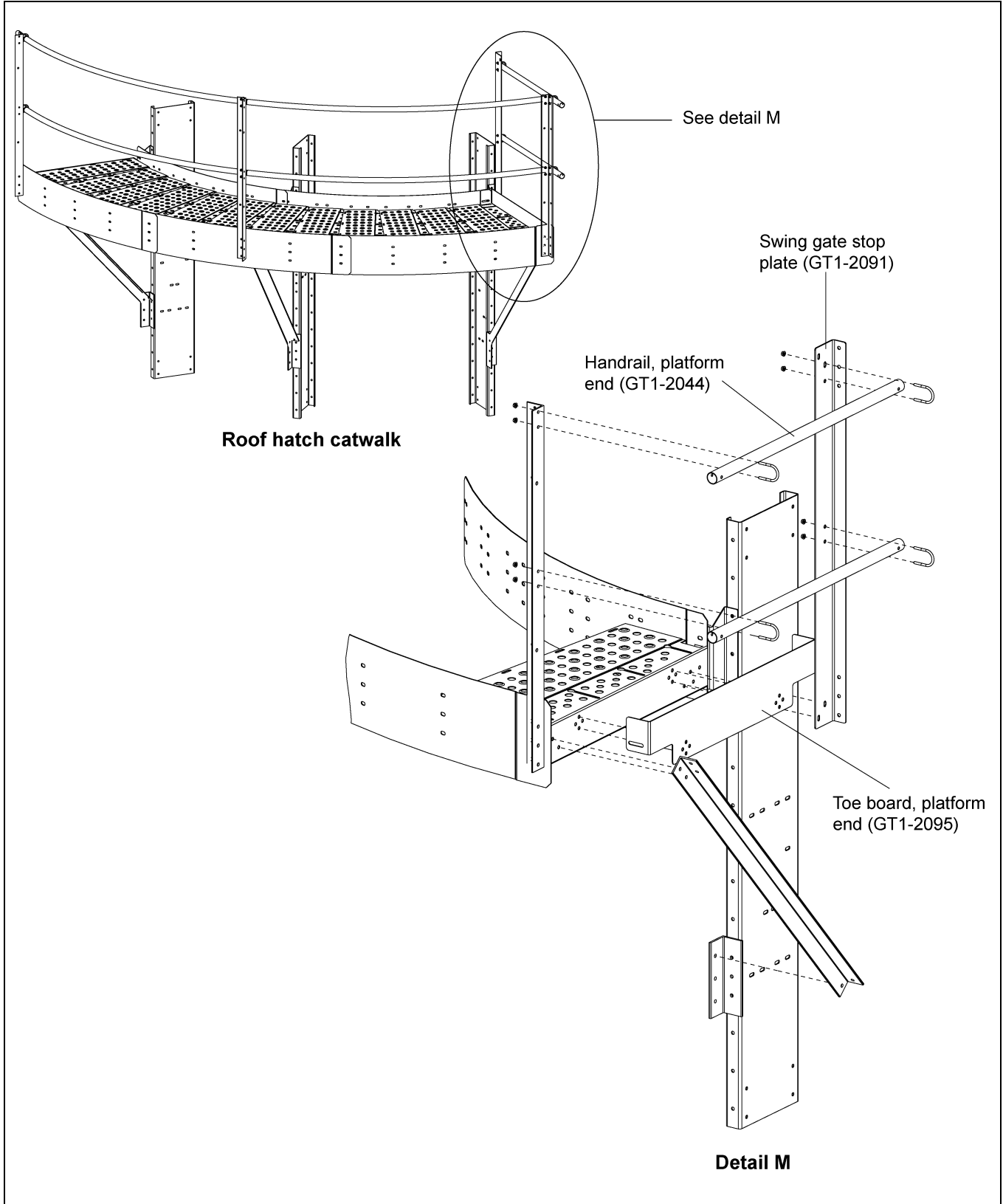
Figure 6W Roof Hatch Platform End Handrail (GT1-2044) Installation

Installing Safety Gate (LDR-5218) with Plank Support (GT1-2086)

1. Install the swing gate support (GT1-2087) with the plank support (GT1-2086).

2. Install two (2) catwalk handrails (GT1-0920) between the swing gate support (GT1-2087) and catwalk vertical support (GT1-2037-BS). *(See Figure 6X below and Figure 6Y on Page 61.)*
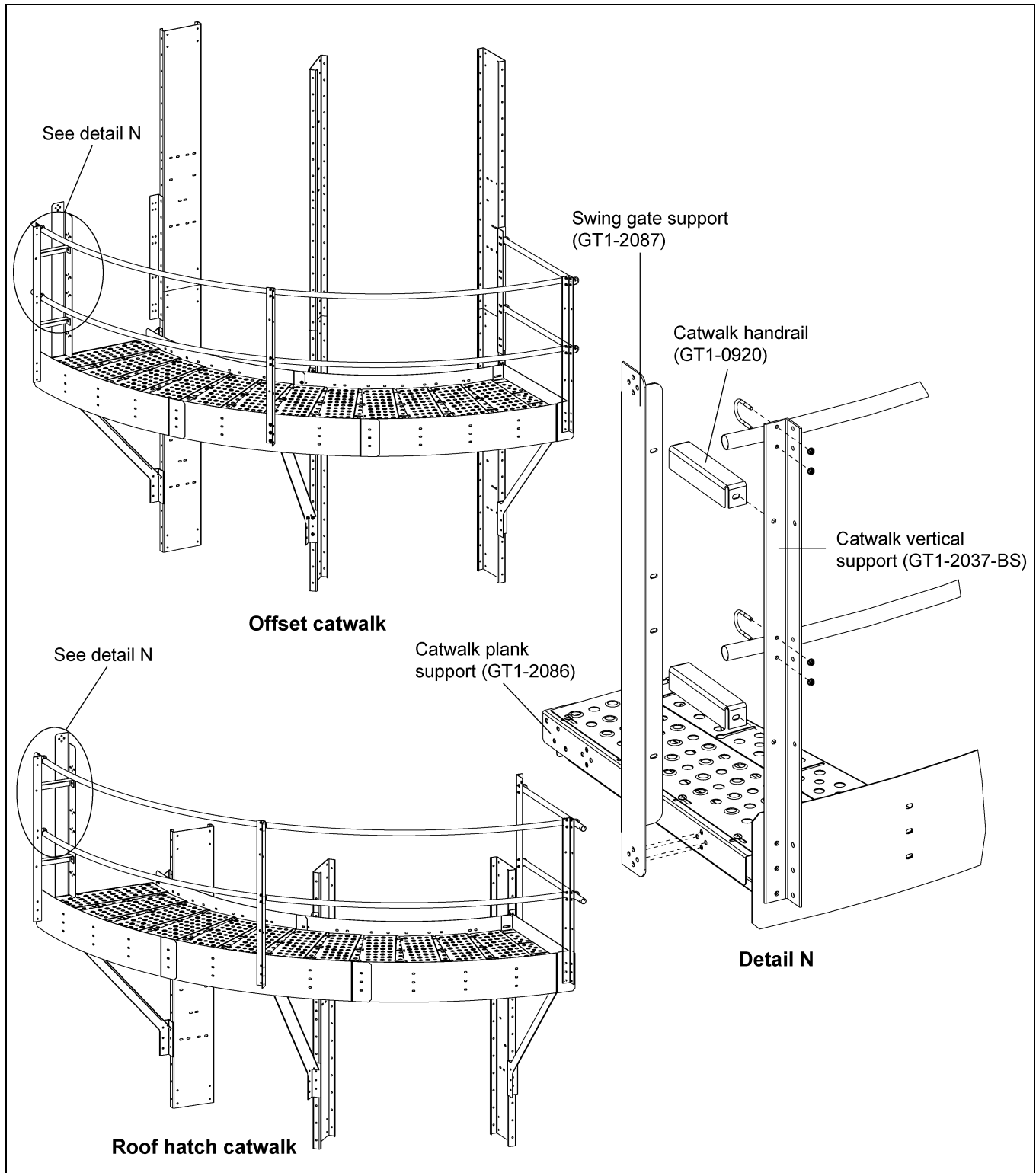
Figure 6X *Installing Safety Gate (LDR-5218) to Offset and Roof Hatch Catwalks*

Installing Safety Gate with Plank Support (Continued)

3. Install the ladder safety gate assembly (LDR-5218) to the swing gate support (GT1-2087) using 3/8"-16 x 1" JS grade 8 or grade 8.2 bolts (S-7485) and 3/8"-16 ZN grade 5 nuts (S-968). The distance between the plank and handrail is 42". *(See Figure 6Y.)*

See detail O

Offset catwalk

Swing gate support (GT1-2087)

Ladder safety gate assembly (LDR-5218)

Catwalk vertical support (GT1-2037-BS)

End plate, platform (GT1-2045)

Vertical channel (GT1-0001)

21"

42"

Inside

Outside

Catwalk plank support (GT1-2086)

Catwalk handrail (GT1-0920)

Detail O

NOTE: *Inside: Vertical channel side pointing inside.*
Outside: Vertical channel side pointing outside.

Figure 6Y *Offset Ladder Safety Gage Assembly to Swing Gate Support (GT1-2087)*

Installing Safety Gate with Plank Support (Continued)

See detail O

Roof hatch catwalk

Ladder safety gate
assembly (LDR-5218)

Swing gate stop
plate (GT1-2091)

Catwalk handrail
(GT1-0920)

Catwalk plank
support (GT1-2086)

Inside   **Outside**

Detail O

NOTE: *Inside: Vertical channel side pointing inside.*
Outside: Vertical channel side pointing outside.
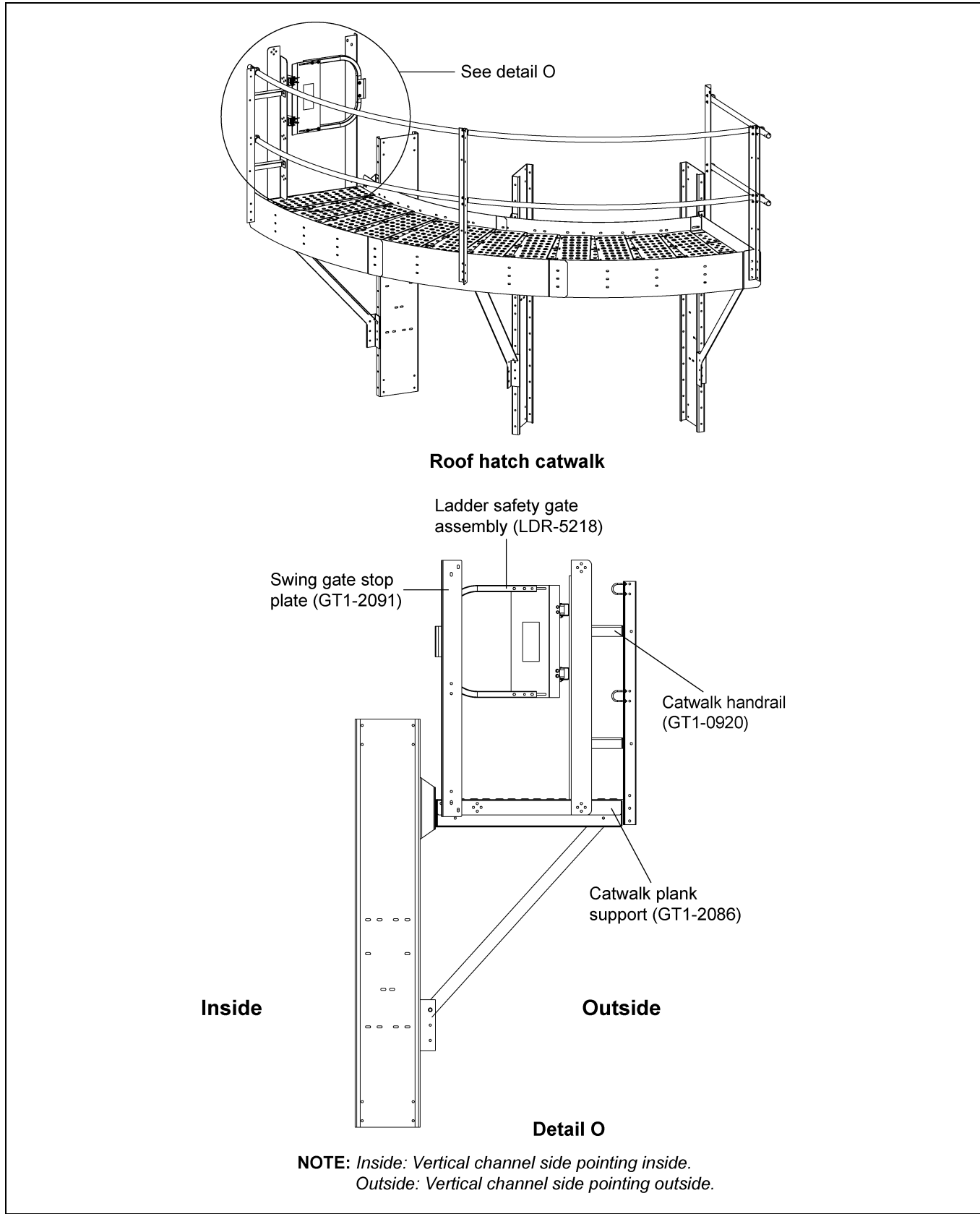
Figure 6Z *Roof Hatch Ladder Safety Gage Assembly to Swing Gate Stop Plate (GT1-2091)*

Installing the Braces (Only for Roof Hatch Platform)

The brace is comprised of one large diameter tube (2) and two smaller diameter tubes (1 and 3).

1. Install two sets of long braces: Attach one smaller tube (1) to the top of the swing gate stop plate (6) and attach the other smaller tube (3) to the roof panel (9).

   NOTES:

   a. Make sure to slide and adjust one end of the smaller tube (1) in the stop plate brace, so that the bottom of the flattened end reaches the roof panel (9).

   b. Make sure to field drill four 5/16" holes per brace through both large and small tubes and bolt together using 1/4" x 1-1/2" bolts (4) and nuts (5) to prevent the braces from slipping.

   c. Use 5/16" x 1" flange bolts (10) and 5/16" flange nuts (11) to install the smaller tubes (3) to the roof panel (9).

   d. Use 3/8" x 1" flange bolts (7) and 3/8" flange nuts (8) to install the smaller tubes (1) to the swing gate stop plate (6).
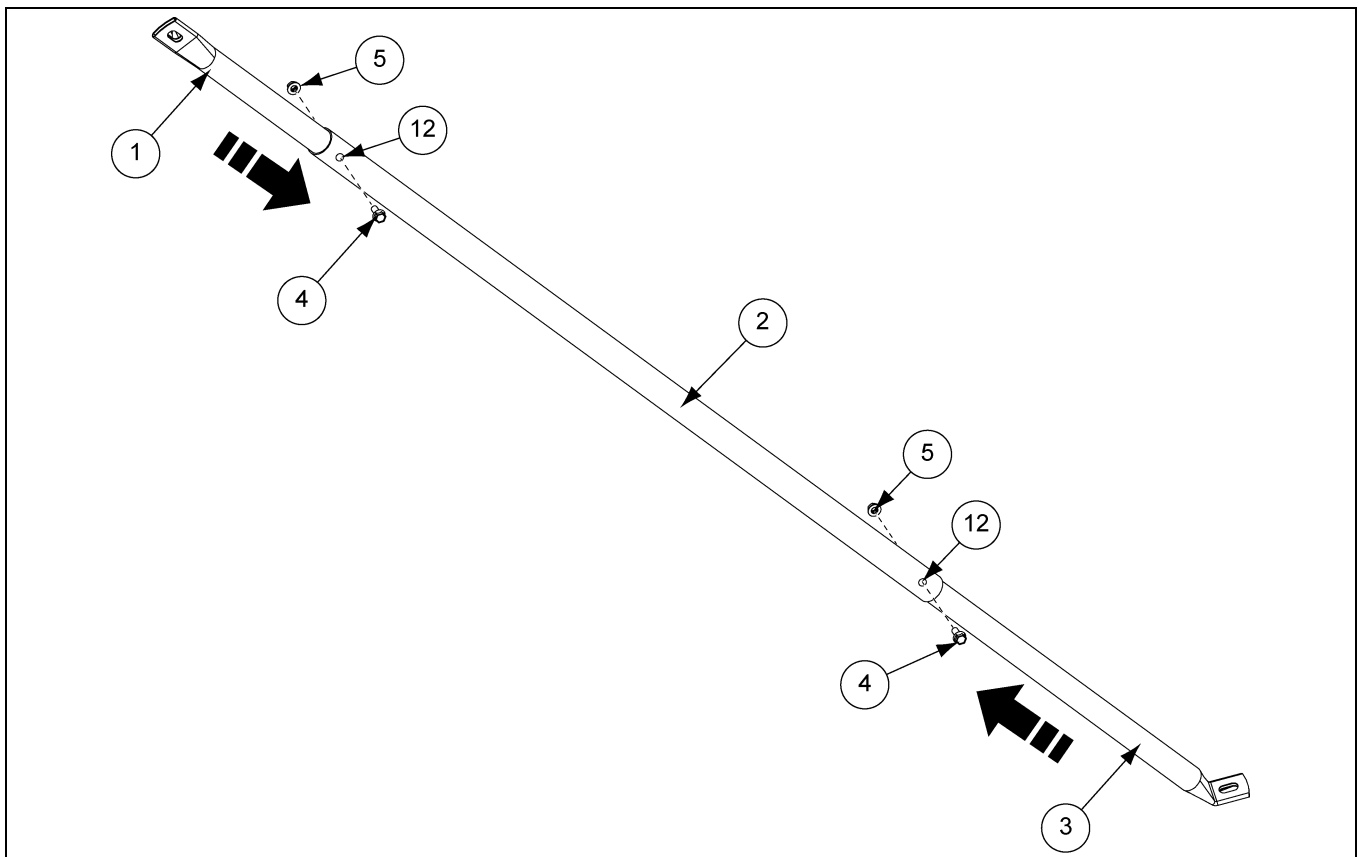
Figure 6AA *Brace Assembly*

Ref #	Part #	Description	Ref #	Description
1	LS-7031	End Safety Cage Brace Section	4	1/4" x 1-1/2" Bolt
2	LS-6615	Center Safety Cage Brace Section	5	1/4" Nut
3	LS-6616	End Safety Cage Brace Section	12	5/16" Field Drilled Hole

Installing the Braces (Only for Roof Hatch Platform) (Continued)
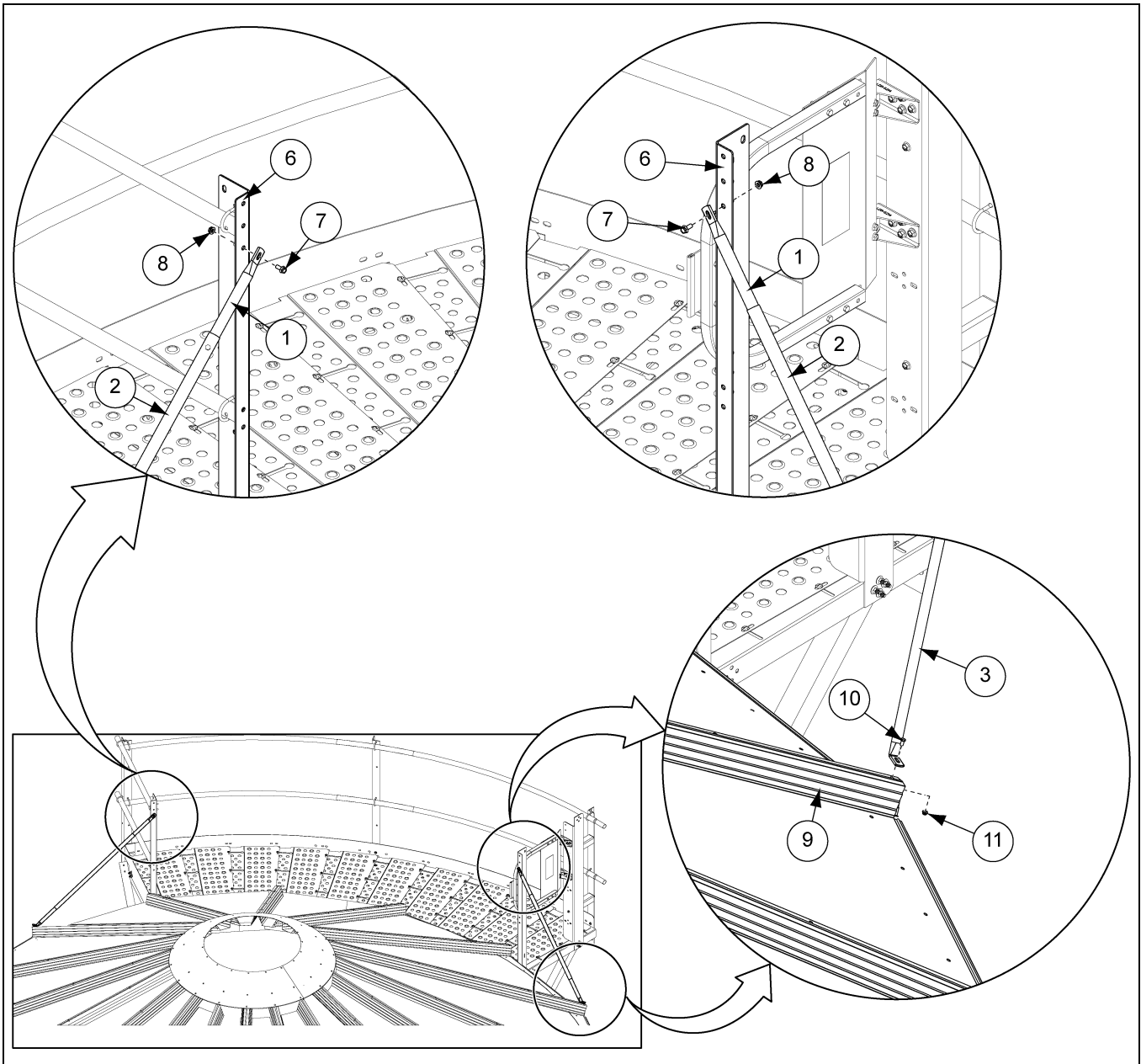
Figure 6AB *Installing the Braces*

Ref #	Part #	Description	Ref #	Part #	Description
1	LS-7031	End Safety Cage Brace Section	8	S-968	3/8" Flange Nut
2	LS-6615	Center Safety Cage Brace Section	9	CTR-0380	Roof Panel
3	LS-6616	End Safety Cage Brace Section	10	S-10260	5/16" x 1" Flange Bolt
6	GT1-2091	Swing Gate Stop Plate	11	S-10268	5/16" Flange Nut
7	S-7485	3/8" x 1" Flange Bolt			

1. 12' Outside Fan Style Catwalk (GT4-1039-12F) - *(See Pages 66-69.)*

2. 12' Inside Fan Style Catwalk (GT4-1043-12F) - *(See Pages 70-73.)*

3. 12' Offset Fan Style Platform (GT4-1047-12F) - *(See Pages 74-77.)*

4. 12' Roof Hatch Fan Style Platform (GT4-1051-12F) - *(See Pages 78-81.)*

12' Outside Fan Style Catwalk (GT4-1039-12F)

Isometric view

See detail A

See detail B

See detail C

Detail B

Detail A

Detail C

Plank detail

NOTE: *Use retainer nuts (090-1709-6) at jack pole positions for plank overlap.*

12' Outside Fan Style Catwalk (GT4-1039-12F) Parts List

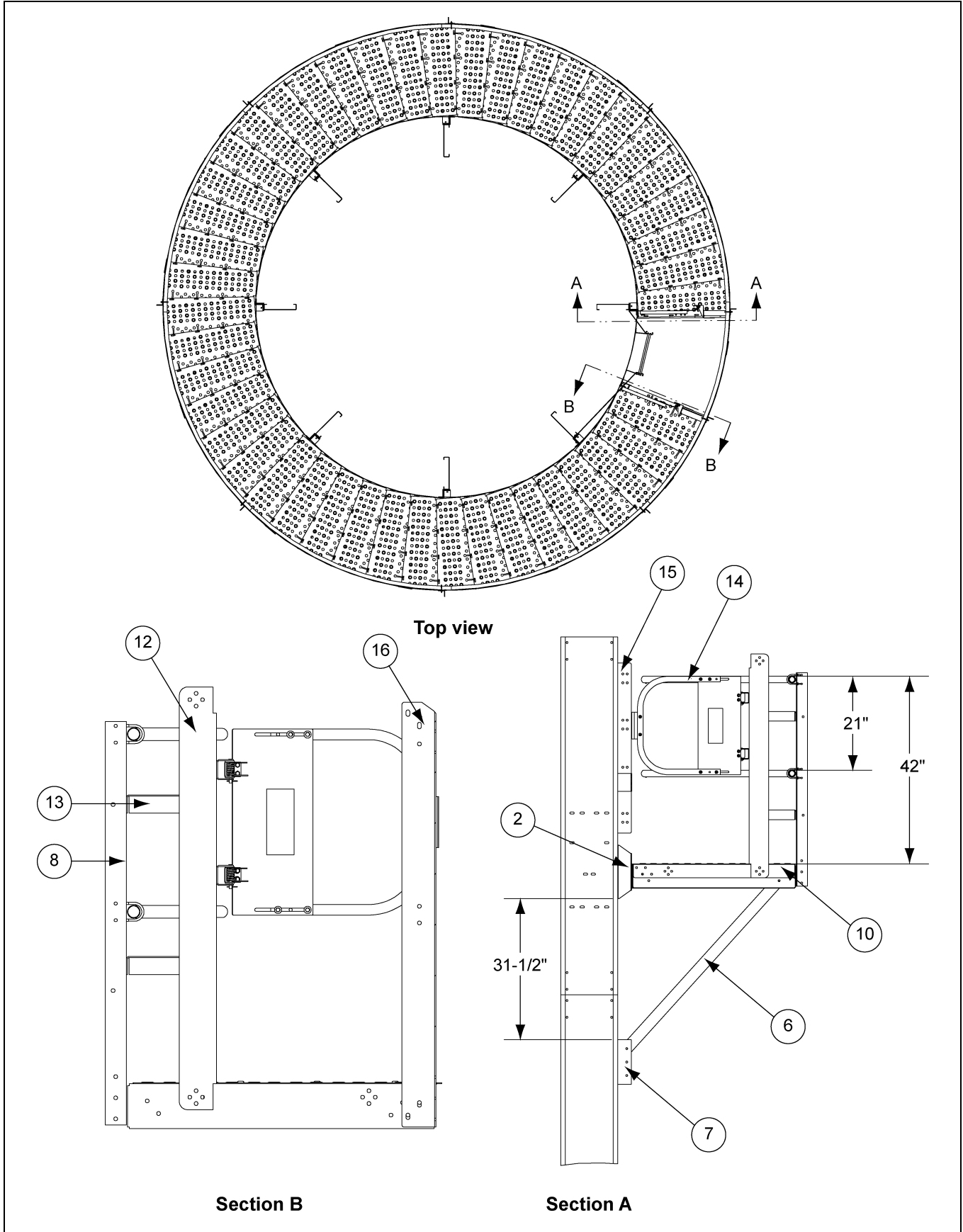| Ref #	Part #	Description	Qty
1	GT1-0001	Vertical Channel	16
2	GT1-2036	Catwalk/Platform to Dryer Wall Bracket	8
3	GT1-2035	Inner Toe Board	7
4	GT3-1669	Plank	45
5	GT1-2034-12	Outer Toe Board	12
6	GT1-2039-BS	Outside/Inside Catwalk Diagonal Support - Bin Silver	8
7	GT1-2040-BS	Catwalk Support Clip - Bin Silver	8
8	GT1-2037-BS	Catwalk Vertical Support - Bin Silver	9
9	GT1-2038-12O	12' Outside Catwalk/Platform Handrail	16
10	GT1-2086	Catwalk Plank Support	1
11	GT1-2089	Ladder Opening Inner Toe Board	1
12	GT1-2087	Swing Gate Support	2
13	GT1-0920	Catwalk End Handrail	4
14	LDR-5218	Ladder Safety Gate	2
15	GT1-2045	Platform End Plate	1
16	GT1-2091	Swing Gate Stop Plate	1
17	GT1-2477-L	Ladder to Toe Board Bracket - L.H.	1
18	GT1-2477-R	Ladder to Toe Board Bracket - R.H.	1
19	S-7485	Flange Bolt 3/8"-16 x 1" JS Grade 8 or Grade 8.2	400
20	S-968	Flange Nut 3/8"-16 ZN Grade 5 Wide Flange	400
21	S-10171	Bolt, U-Bolt 5/16"-18 for 1-1/4" Pipe ZN	20
22	S-10268	Flange Nut 5/16"-18 JS Grade 5	250
23	S-10267	Truss Bolt 5/16"-18 x 3/4" JS Grade 8 or Grade 8.2	200
24	DC-2188	Decal, Danger Load Limit	2
N/S	090-1709-6	Retainer Nut 5/16"-18 x 0.120" ZN	53
N/S	GT1-2144	Holding Plate, Inner Toe Board to Plank	26
N/S	S-10175	Extruded Nut 3/8"-16, Tapped Hole, 050-0.200 Panel Range, Black	52

12' Outside Fan Style Catwalk (GT4-1039-12F) (Continued)

Top view

Section B

Section A

12' Outside Fan Style Catwalk (GT4-1039-12F) Parts List

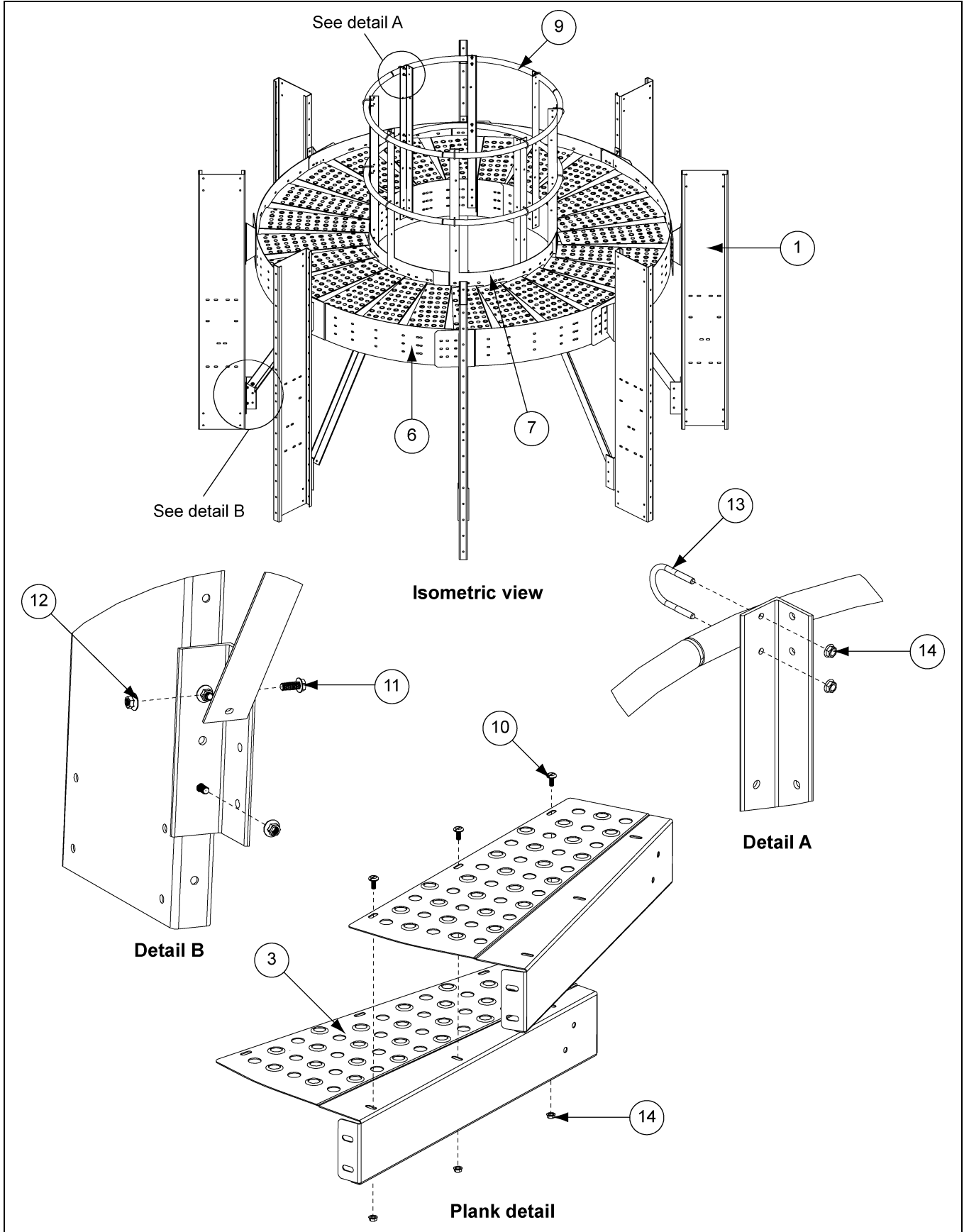| Ref #	Part #	Description	Qty
1	GT1-0001	Vertical Channel	16
2	GT1-2036	Catwalk/Platform to Dryer Wall Bracket	8
3	GT1-2035	Inner Toe Board	7
4	GT3-1669	Plank	45
5	GT1-2034-12	Outer Toe Board	12
6	GT1-2039-BS	Outside/Inside Catwalk Diagonal Support - Bin Silver	8
7	GT1-2040-BS	Catwalk Support Clip - Bin Silver	8
8	GT1-2037-BS	Catwalk Vertical Support - Bin Silver	9
9	GT1-2038-12O	12' Outside Catwalk/Platform Handrail	16
10	GT1-2086	Catwalk Plank Support	1
11	GT1-2089	Ladder Opening Inner Toe Board	1
12	GT1-2087	Swing Gate Support	2
13	GT1-0920	Catwalk End Handrail	4
14	LDR-5218	Ladder Safety Gate	2
15	GT1-2045	Platform End Plate	1
16	GT1-2091	Swing Gate Stop Plate	1
17	GT1-2477-L	Ladder to Toe Board Bracket - L.H.	1
18	GT1-2477-R	Ladder to Toe Board Bracket - R.H.	1
19	S-7485	Flange Bolt 3/8"-16 x 1" JS Grade 8 or Grade 8.2	400
20	S-968	Flange Nut 3/8"-16 ZN Grade 5 Wide Flange	400
21	S-10171	Bolt, U-Bolt 5/16"-18 for 1-1/4" Pipe ZN	20
22	S-10268	Flange Nut 5/16"-18 JS Grade 5	250
23	S-10267	Truss Bolt 5/16"-18 x 3/4" JS Grade 8 or Grade 8.2	200
24	DC-2188	Decal, Danger Load Limit	2
N/S	090-1709-6	Retainer Nut 5/16"-18 x 0.120" ZN	53
N/S	GT1-2144	Holding Plate, Inner Toe Board to Plank	26
N/S	S-10175	Extruded Nut 3/8"-16, Tapped Hole, 050-0.200 Panel Range, Black	52

12' Inside Fan Style Catwalk (GT4-1043-12F)

See detail A

9

1

See detail B

6

7

Isometric view

13

12

11

14

10

Detail A

Detail B

3

14

Plank detail

12' Inside Fan Style Catwalk (GT4-1043-12F) Parts List

Ref #	Part #	Description	Qty
1	GT1-0001	Vertical Channel	8
2	GT1-2036	Catwalk/Platform to Dryer Wall Bracket	8
3	GT1-2060	Plank	24
4	GT1-2039-BS	Outside/Inside Catwalk Diagonal Support - Bin Silver	8
5	GT1-2040-BS	Catwalk Support Clip - Bin Silver	8
6	GT1-2062	Outer Toe Board	8
7	GT1-2061	Inner Toe Board	4
8	GT1-2037-BS	Catwalk Vertical Support - Bin Silver	8
9	GT1-2038-12I	12' Inside Catwalk Handrail	4
10	S-10267	Truss Bolt 5/16"-18 x 3/4" JS Grade 8 or Grade 8.2	100
11	S-7485	Flange Bolt 3/8"-16 x 1" JS Grade 8 or Grade 8.2	200
12	S-968	Flange Nut 3/8"-16 ZN Grade 5 Wide Flange	200
13	S-10171	Bolt, U-Bolt 5/16"-18 for 1-1/4" Pipe ZN	20
14	S-10268	Flange Nut 5/16"-18 JS Grade 5	150

12' Inside Fan Style Catwalk (GT4-1043-12F) (Continued)

A   A

Top view

⑧ → 21"

42"

②

④

36-1/2"

⑤
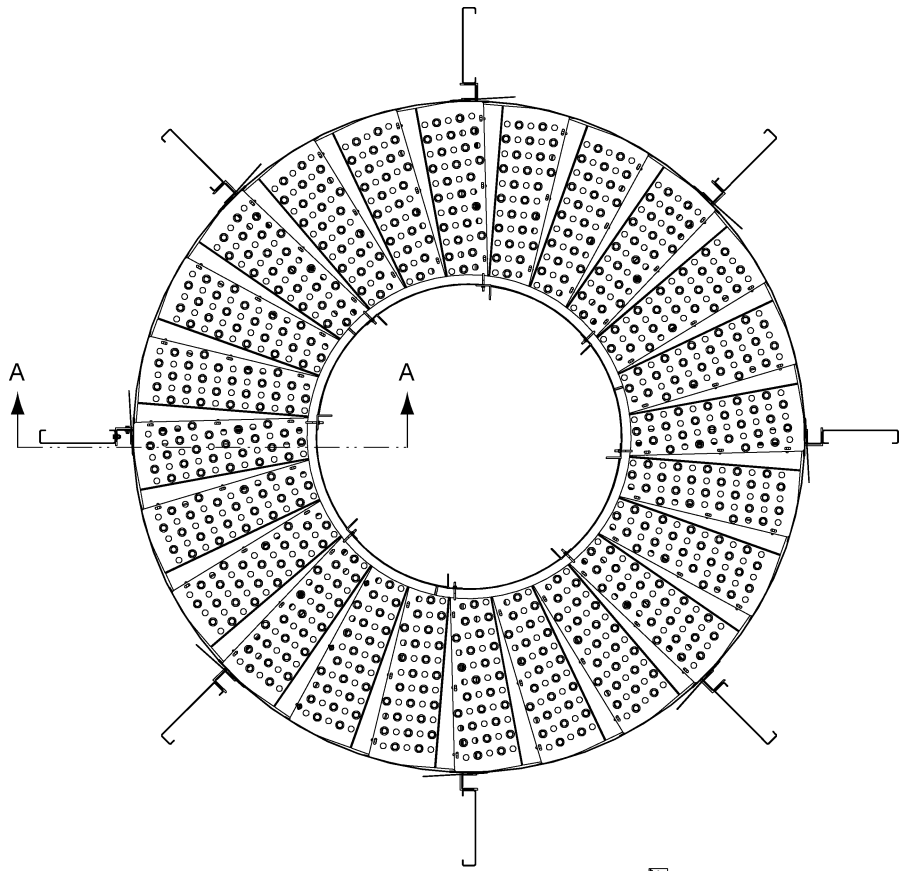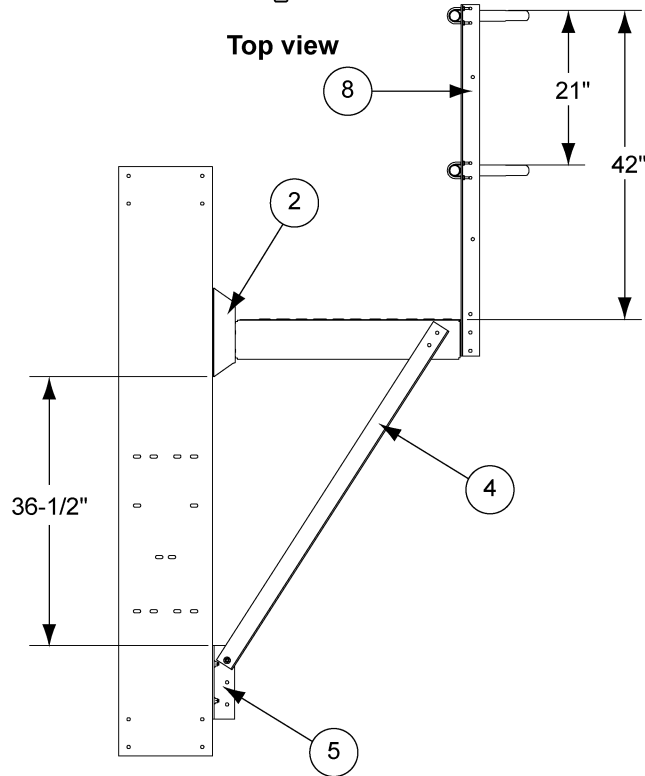
Section A-A

12' Inside Fan Style Catwalk (GT4-1043-12F) Parts List

Ref #	Part #	Description	Qty
1	GT1-0001	Vertical Channel	8
2	GT1-2036	Catwalk/Platform to Dryer Wall Bracket	8
3	GT1-2060	Plank	24
4	GT1-2039-BS	Outside/Inside Catwalk Diagonal Support - Bin Silver	8
5	GT1-2040-BS	Catwalk Support Clip - Bin Silver	8
6	GT1-2062	Outer Toe Board	8
7	GT1-2061	Inner Toe Board	4
8	GT1-2037-BS	Catwalk Vertical Support - Bin Silver	8
9	GT1-2038-12I	12' Inside Catwalk Handrail	4
10	S-10267	Truss Bolt 5/16"-18 x 3/4" JS Grade 8 or Grade 8.2	100
11	S-7485	Flange Bolt 3/8"-16 x 1" JS Grade 8 or Grade 8.2	200
12	S-968	Flange Nut 3/8"-16 ZN Grade 5 Wide Flange	200
13	S-10171	Bolt, U-Bolt 5/16"-18 for 1-1/4" Pipe ZN	20
14	S-10268	Flange Nut 5/16"-18 JS Grade 5	150

12' Offset Fan Style Platform (GT4-1047-12F)

See detail B

Isometric view

See detail A

Detail A

Detail B

Plank detail

NOTE: *Use retainer nuts (090-1709-6) at jack pole positions for plank overlap.*

12' Offset Fan Style Platform (GT4-1047-12F) Parts List

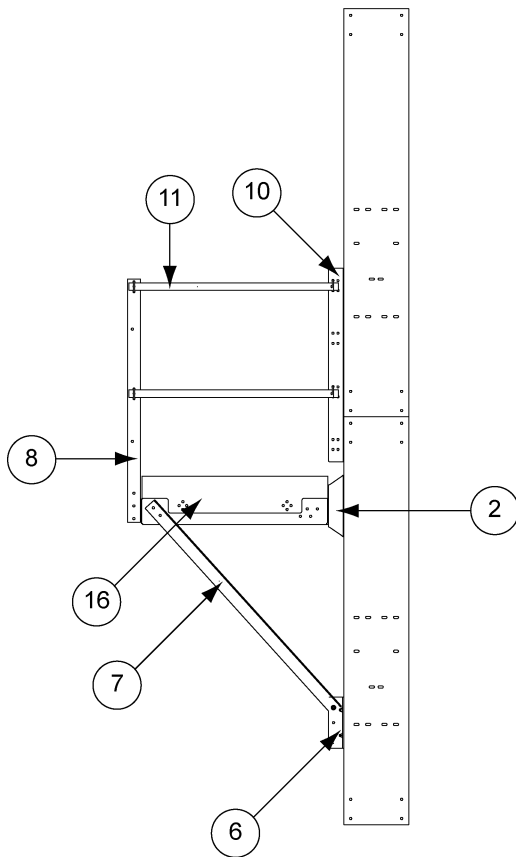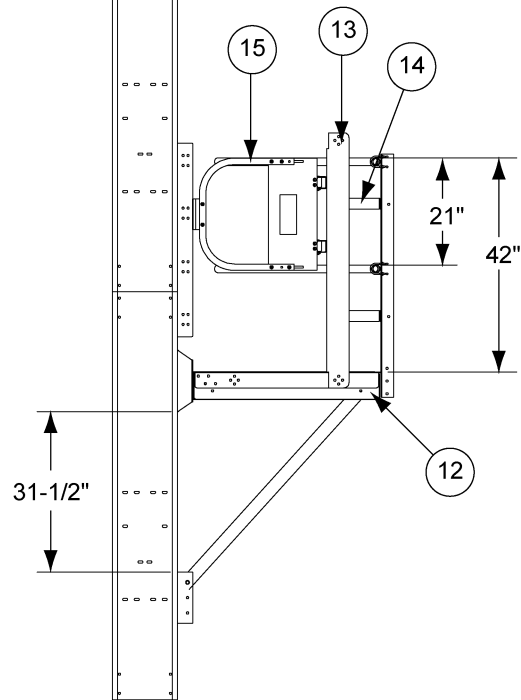| Ref #	Part #	Description	Qty
1	GT1-0001	Vertical Channel	6
2	GT1-2036	Catwalk/Platform to Dryer Wall Bracket	3
3	GT1-2035	Inner Toe Board	2
4	GT3-1669	Plank	12
5	GT1-2034-12	Outer Toe Board	3
6	GT1-2040-BS	Catwalk Support Clip - Bin Silver	3
7	GT1-2039-BS	Outside/Inside Catwalk Diagonal Support - Bin Silver	3
8	GT1-2037-BS	Catwalk Vertical Support - Bin Silver	3
9	GT1-2038-12O	12' Outside Catwalk/Platform Handrail	4
10	GT1-2045	Platform End Plate	2
11	GT1-2044	Platform End Handrail	2
12	GT1-2086	Catwalk Plank Support	1
13	GT1-2087	Swing Gate Support	1
14	GT1-0920	Catwalk End Handrail	2
15	LDR-5218	Ladder Safety Gate	1
16	GT1-2095	Platform End Toe Board	1
17	S-10267	Truss Bolt 5/16"-18 x 3/4" JS Grade 8 or Grade 8.2	50
18	S-7485	Flange Bolt 3/8"-16 x 1" JS Grade 8 or Grade 8.2	150
19	S-968	Flange Nut 3/8"-16 ZN Grade 5 Wide Flange	150
20	S-10171	Bolt, U-Bolt 5/16"-18 for 1-1/4" Pipe ZN	12
21	S-10268	Flange Nut 5/16"-18 JS Grade 5	100
22	S-7466	Screw, SDS #10-16 x 3/4" HWH ZN Grade 2	5
N/S	090-1709-6	Retainer Nut 5/16"-18 x 0.120" ZN	12
N/S	GT1-2144	Holding Plate, Inner Toe Board to Plank	6
N/S	S-10175	Extruded Nut 3/8"-16, Tapped Hole, 050-0.200 Panel Range, Black	12

12' Offset Fan Style Platform (GT4-1047-12F) (Continued)
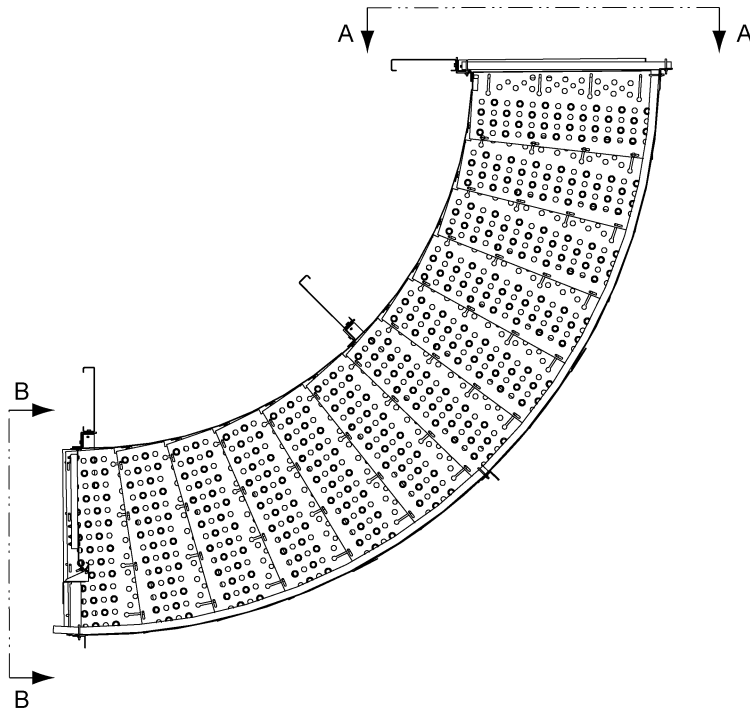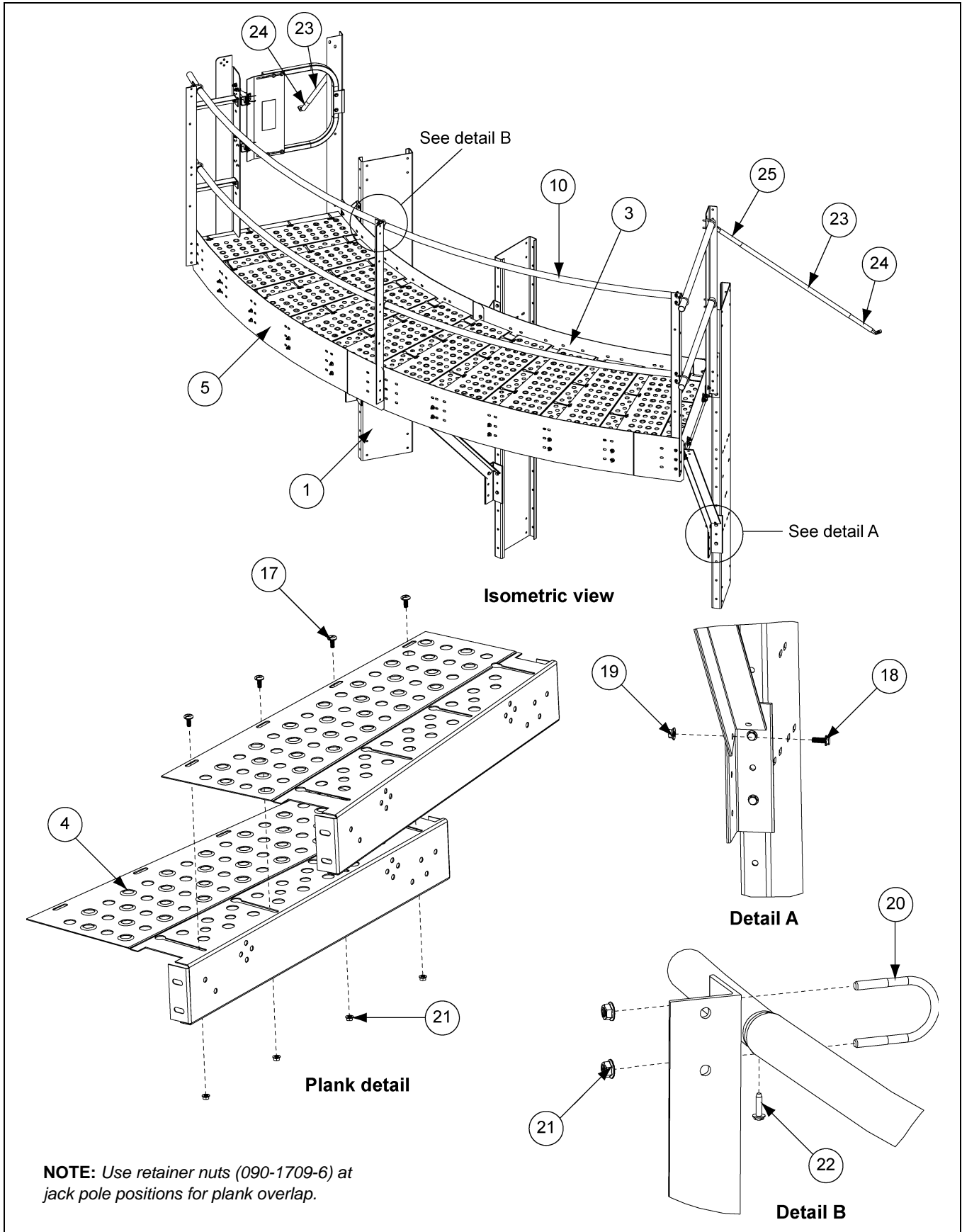
Top view

View A-A

View B-B

12' Offset Fan Style Platform (GT4-1047-12F) Parts List

Ref #	Part #	Description	Qty
1	GT1-0001	Vertical Channel	6
2	GT1-2036	Catwalk/Platform to Dryer Wall Bracket	3
3	GT1-2035	Inner Toe Board	2
4	GT3-1669	Plank	12
5	GT1-2034-12	Outer Toe Board	3
6	GT1-2040-BS	Catwalk Support Clip - Bin Silver	3
7	GT1-2039-BS	Outside/Inside Catwalk Diagonal Support - Bin Silver	3
8	GT1-2037-BS	Catwalk Vertical Support - Bin Silver	3
9	GT1-2038-12O	12' Outside Catwalk/Platform Handrail	4
10	GT1-2045	Platform End Plate	2
11	GT1-2044	Platform End Handrail	2
12	GT1-2086	Catwalk Plank Support	1
13	GT1-2087	Swing Gate Support	1
14	GT1-0920	Catwalk End Handrail	2
15	LDR-5218	Ladder Safety Gate	1
16	GT1-2095	Platform End Toe Board	1
17	S-10267	Truss Bolt 5/16"-18 x 3/4" JS Grade 8 or Grade 8.2	50
18	S-7485	Flange Bolt 3/8"-16 x 1" JS Grade 8 or Grade 8.2	150
19	S-968	Flange Nut 3/8"-16 ZN Grade 5 Wide Flange	150
20	S-10171	Bolt, U-Bolt 5/16"-18 for 1-1/4" Pipe ZN	12
21	S-10268	Flange Nut 5/16"-18 JS Grade 5	100
22	S-7466	Screw, SDS #10-16 x 3/4" HWH ZN Grade 2	5
N/S	090-1709-6	Retainer Nut 5/16"-18 x 0.120" ZN	12
N/S	GT1-2144	Holding Plate, Inner Toe Board to Plank	6
N/S	S-10175	Extruded Nut 3/8"-16, Tapped Hole, 050-0.200 Panel Range, Black	12

12' Roof Hatch Fan Style Platform (GT4-1051-12F)

Isometric view

See detail B

See detail A

Detail A

Plank detail

Detail B

NOTE: *Use retainer nuts (090-1709-6) at jack pole positions for plank overlap.*

12' Roof Hatch Fan Style Platform (GT4-1051-12F) Parts List

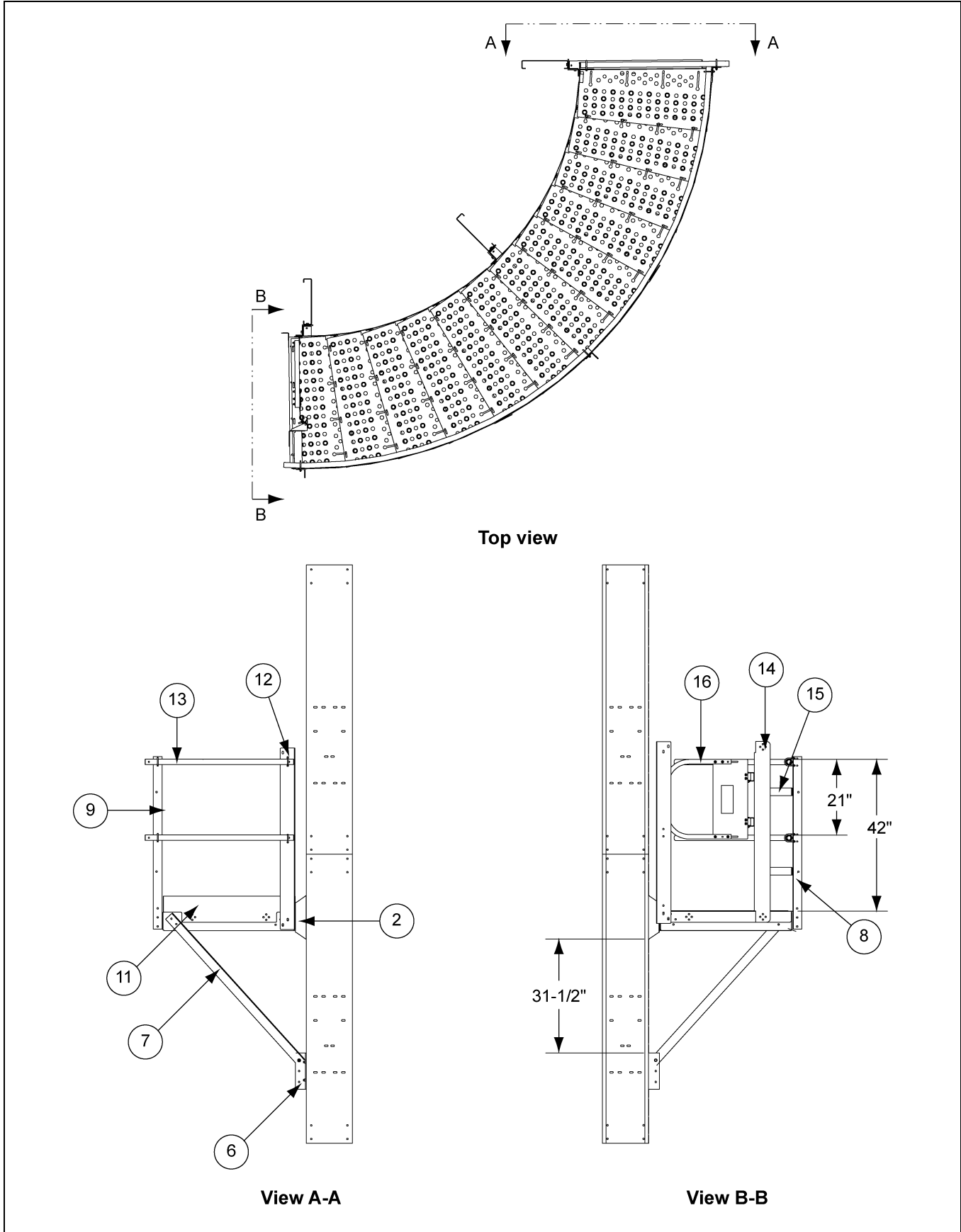| Ref #	Part #	Description	Qty
1	GT1-0001	Vertical Channel	3
2	GT1-2036	Catwalk/Platform to Dryer Wall Bracket	3
3	GT1-2035	Inner Toe Board	2
4	GT3-1669	Plank	12
5	GT1-2034-12	Outer Toe Board	3
6	GT1-2086	Catwalk Plank Support	1
7	GT1-2040-BS	Catwalk Support Clip - Bin Silver	3
8	GT1-2039-BS	Outside/Inside Catwalk Diagonal Support - Bin Silver	3
9	GT1-2037-BS	Vertical Support Handrail - Bin Silver	3
10	GT1-2038-12O	12' Outside Catwalk/Platform Handrail	4
11	GT1-2044	Platform End Handrail	2
12	GT1-2087	Swing Gate Support	1
13	GT1-0920	Catwalk End Handrail	2
14	LDR-5218	Ladder Safety Gate	1
15	GT1-2095	Platform End Toe Board	1
16	GT1-2091	Swing Gate Stop Plate	2
17	S-10267	Truss Bolt 5/16"-18 x 3/4" JS Grade 8 or Grade 8.2	50
18	S-7485	Flange Bolt 3/8"-16 x 1" JS Grade 8 or Grade 8.2	150
19	S-968	Flange Nut 3/8"-16 ZN Grade 5 Wide Flange	150
20	S-10171	Bolt, U-Bolt 5/16"-18 for 1-1/4" Pipe ZN	12
21	S-10268	Flange Nut 5/16"-18 JS Grade 5	100
22	S-7466	Screw, SDS #10-16 x 3/4" HWH ZN Grade 2	5
23	LS-6615	Center Safety Cage Brace Section	2
24	LS-6616	End Safety Cage Brace Section	2
25	LS-7031	End Safety Cage Brace Section	2
N/S	090-1709-6	Retainer Nut 5/16"-18 x 0.120" ZN	12
N/S	GT1-2144	Holding Plate, Inner Toe Board to Plank	6
N/S	S-10175	Extruded Nut 3/8"-16, Tapped Hole, 050-0.200 Panel Range, Black	12

12' Roof Hatch Fan Style Platform (GT4-1051-12F) (Continued)

Top view

View A-A

View B-B

12' Roof Hatch Fan Style Platform (GT4-1051-12F) Parts List

Ref #	Part #	Description	Qty
1	GT1-0001	Vertical Channel	3
2	GT1-2036	Catwalk/Platform to Dryer Wall Bracket	3
3	GT1-2035	Inner Toe Board	2
4	GT3-1669	Plank	12
5	GT1-2034-12	Outer Toe Board	3
6	GT1-2086	Catwalk Plank Support	1
7	GT1-2040-BS	Catwalk Support Clip - Bin Silver	3
8	GT1-2039-BS	Outside/Inside Catwalk Diagonal Support - Bin Silver	3
9	GT1-2037-BS	Vertical Support Handrail - Bin Silver	3
10	GT1-2038-12O	12' Outside Catwalk/Platform Handrail	4
11	GT1-2044	Platform End Handrail	2
12	GT1-2087	Swing Gate Support	1
13	GT1-0920	Catwalk End Handrail	2
14	LDR-5218	Ladder Safety Gate	1
15	GT1-2095	Platform End Toe Board	1
16	GT1-2091	Swing Gate Stop Plate	2
17	S-10267	Truss Bolt 5/16"-18 x 3/4" JS Grade 8 or Grade 8.2	50
18	S-7485	Flange Bolt 3/8"-16 x 1" JS Grade 8 or Grade 8.2	150
19	S-968	Flange Nut 3/8"-16 ZN Grade 5 Wide Flange	150
20	S-10171	Bolt, U-Bolt 5/16"-18 for 1-1/4" Pipe ZN	12
21	S-10268	Flange Nut 5/16"-18 JS Grade 5	100
22	S-7466	Screw, SDS #10-16 x 3/4" HWH ZN Grade 2	5
23	LS-6615	Center Safety Cage Brace Section	2
24	LS-6616	End Safety Cage Brace Section	2
25	LS-7031	End Safety Cage Brace Section	2
N/S	090-1709-6	Retainer Nut 5/16"-18 x 0.120" ZN	12
N/S	GT1-2144	Holding Plate, Inner Toe Board to Plank	6
N/S	S-10175	Extruded Nut 3/8"-16, Tapped Hole, 050-0.200 Panel Range, Black	12

NOTES

Limited Warranty - N.A. Grain Products

The GSI Group, LLC. ("GSI") warrants products which it manufactures, to be free of defects in materials and workmanship under normal usage and conditions for a period of 12 months from the date of shipment (or, if shipped by vessel, 14 months from the date of arrival at the port of discharge). If, in GSI's sole judgment, a product is found to have a defect in materials and/or workmanship, GSI will, at its own option and expense, repair or replace the product or refund the purchase price. This Limited Warranty is subject to extension and other terms as set forth below.

Warranty Enhancements:

The warranty period for the following products is enhanced as shown below and is in lieu of (and not in addition to) the above stated warranty period. (Warranty Period is from date of shipment.)

	Product	Warranty Period
Storage	Grain Bin Structural Design • Roof, doors, platforms and walk arounds • Flooring (when installed using GSI specified floor support system for that floor) • Hopper tanks	5 Years
Conditioning	Dryer Structural Design - (Tower, Portable and TopDry) • Includes (frame, portable dryer screens, ladders, access doors and platforms)	5 Years
	All other Dryer parts including: • Electrical (controls, sensors, switches and internal wiring)	2 Years
	Bullseye Controllers	2 Years
Material Handling	Bucket Elevators Structural Design	5 Years
	Towers Structural Design	5 Years
	Catwalks Structural Design	5 Years
	Accessories (stairs, ladders and platforms) Structural Design	5 Years

Conditions and Limitations:

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE LIMITED WARRANTY DESCRIPTION SET FORTH HEREIN; SPECIFICALLY, GSI DISCLAIMS ANY AND ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE IN CONNECTION WITH: (I) ANY PRODUCT MANUFACTURED OR SOLD BY GSI, OR (II) ANY ADVICE, INSTRUCTION, RECOMMENDATION OR SUGGESTION PROVIDED BY AN AGENT, REPRESENTATIVE OR EMPLOYEE OF GSI REGARDING OR RELATED TO THE CONFIGURATION, INSTALLATION, LAYOUT, SUITABILITY FOR A PARTICULAR PURPOSE, OR DESIGN OF SUCH PRODUCTS.

The sole and exclusive remedy for any claimant is set forth in this Limited Warranty and shall not exceed the amount paid for the product purchased. This Warranty only covers the value of the warranted parts and equipment, and does not cover labor charges for removing or installing defective parts, shipping charges with respect to such parts, any applicable sales or other taxes, or any other charges or expenses not specified in this Warranty. GSI shall not be liable for any other direct, indirect, incidental or consequential damages, including, without limitation, loss of anticipated profits or benefits. Expenses incurred by or on behalf of a claimant without prior written authorization from the GSI warranty department shall not be reimbursed. This warranty is not transferable and applies only to the original end-user. GSI shall have no obligation or responsibility for any representations or warranties made by or on behalf of any dealer, agent or distributor. Prior to installation, the end-user bears all responsibility to comply with federal, state and local codes which apply to the location and installation of the products.

This Limited Warranty extends solely to products sold by GSI and does not cover any parts, components or materials used in conjunction with the product, that are not sold by GSI. GSI assumes no responsibility for claims resulting from construction defects, unauthorized modifications, corrosion or other cosmetic issues caused by storage, application or environmental conditions. Modifications to products not specifically delineated in the manual accompanying the product at initial sale will void all warranties. This Limited Warranty shall not extend to products or parts which have been damaged by negligent use, misuse, alteration, accident or which have been improperly/inadequately maintained.

Notice Procedure:

In order to make a valid warranty claim a written notice of the claim must be submitted, using the RMA form, within 60 days of discovery of a warrantable nonconformance. The RMA form is found on the OneGSI portal.

Service Parts:

GSI warrants, subject to all other conditions described in this Warranty, Service Parts which it manufactures for a period of 12 months from the date of purchase unless specified in Enhancements above.

 (Limited Warranty - N.A. Grain Products_ revised 19 October 2018)

GSI

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