



VENLAW MANUFACTURING LTD. o/a Venlaw Ag

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June 2026



VENLAW MANUFACTURING LTD. o/a Venlaw Ag

STAIRWAY and PLATFORM

**Installation Instructions,
Warnings, and Safety Messages.**



SAFETY

Follow SAFETY instructions and SATETY Decals!



Carefully read all SAFETY messages in this Manual and on your equipment SAFETY signs. Follow the recommended precautions and safe operating practices.

DO NOT Overload the Platform in excess of 500 lbs (227 kg)! Failure to follow this instruction may result in death or serious injury.



This WARNING Decal is placed on the hand rail of the platform at the top of the stair

Read and understand this precaution! If this Decal is missing, worn, or damaged, contact the dealer to have it replaced.



WARNING Decal WG-40-1099-0

Stairway SAFETY Procedures

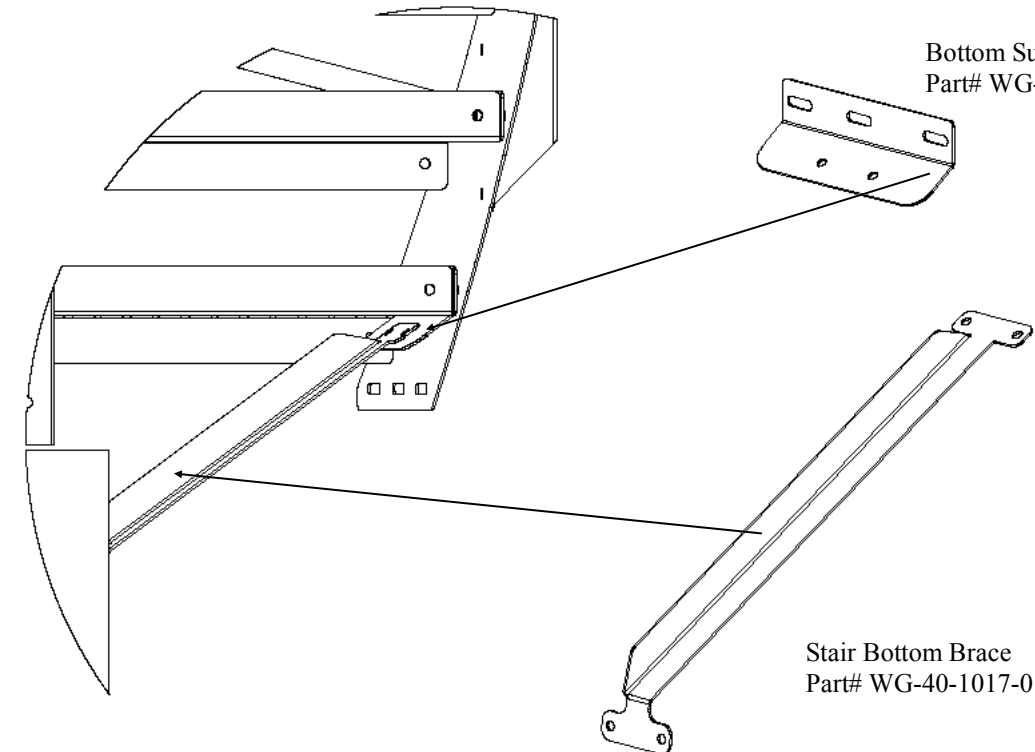
Failure to comply with the following instructions may result in death or serious injury.



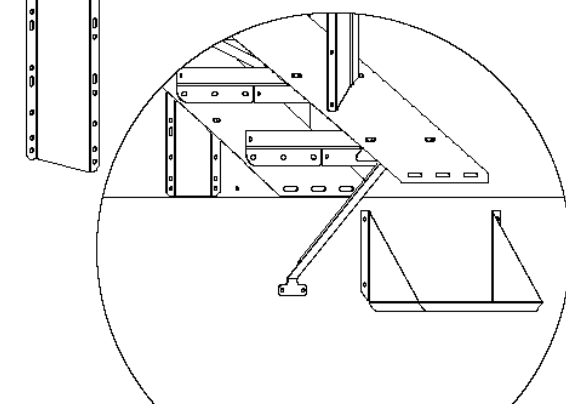
1. Never climb a damaged or improperly installed Stairway. Inspect it carefully before use.
2. Keep steps free from slippery material such as ice, mud, snow, grease, etc.
3. Wear slip resistant shoes.
4. Do not use stairway if you tire easily, or are subject to fainting spells, or use medicine or alcohol or are physically handicapped. Never use Stairway when in poor health.
5. Maintain a firm grip on handrails. Center your body between the rails and bin.
6. Replace the Stairway if it is exposed to fire or damaging chemicals.
7. Never use the Stairway as a platform, plank, or material hoist.
8. Never apply a side load. Never push or pull anything while on the Stairway.
9. Never drop or apply an impact load to the Stairway.
10. Never sit on the handrails.
11. Never use the Stairway as a scaffold.

Platform Stairway Bottom Brace

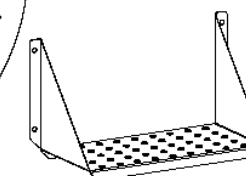
Insert Bottom Support Angle between the Stair Step and the Outside Runner with the diagonal flange facing down and towards the bin and fasten along with the Stair Step. Bolt Stair Bottom Brace to the Bottom Support Angle. Ensure that the Stairway is lifted to proper position (so that Stair Step is horizontally level) then bolt the Stair Bottom Brace to the concrete Bin Pad using 3/8 Hilti bolts.



Stairway Hanger
Part# WG-40-1004-0



Bin Step
Part# WG-40-1001-0

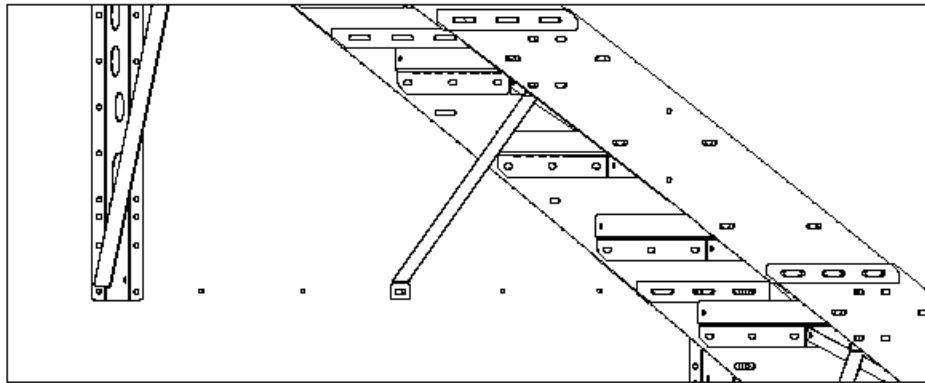


Fasten Bin Step about halfway up the concrete bin pad using 3/8 Hilti bolts.

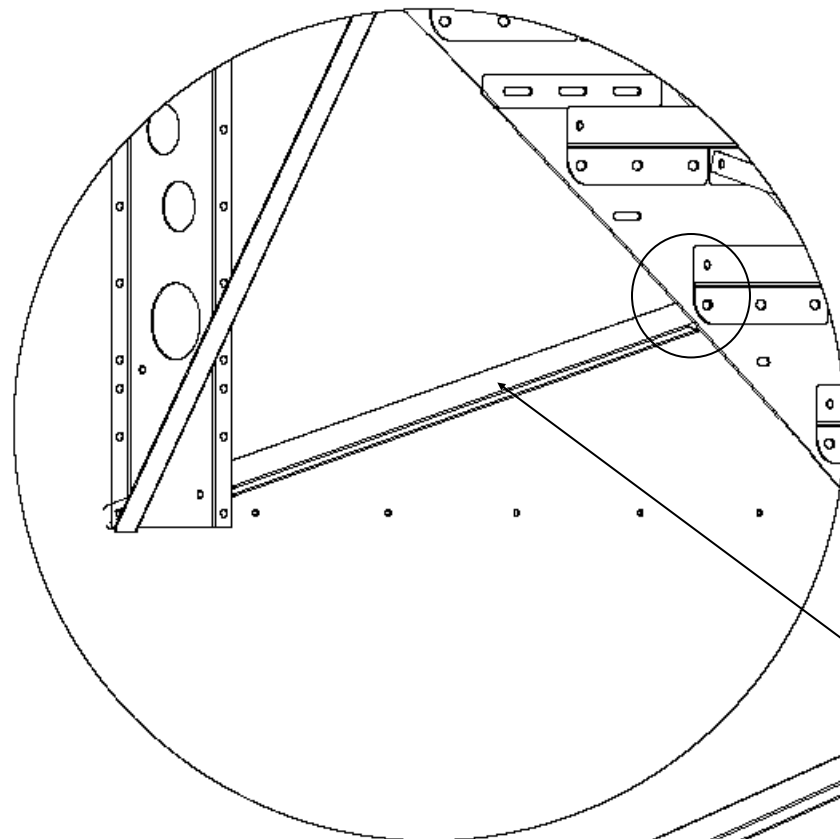
Bolt Stairway Hanger to the very bottom of bin. Drill 3/8 hole for the top bolt on the Stairway Hanger. Fasten Inside Runner to the Stairway Hanger. (As circled)

Platform Stairway Braces

There is a Stairway Middle Brace (WG-40-1012-0) on all rings, centered between the Stairway Hangers. The Stairway Brace is bolted to the bin horizontal seam using a 3/8 Bin Seal Bolt. The Brace then protrudes diagonally up and away from the bin and is fastened to the top of the Outside Runner between the Outside Runner and the Bin Step. Always use the holes to the left (when facing the bin).



There are 2 -Stairway Braces on a Stairway. 1 is 1/3 of the way up the Bin and the other one is 1/3 of the way down the Bin. The Stairway Brace is inserted between the Stairway Hanger and the Bin and is fastened with the same bolt used to fasten the Stairway Hanger to the Bin. The Stairway Brace then runs diagonally out to the Inside Runner and is fastened to the step bolt. (circled in drawing)



Stairway Brace
Part # WG-40-1020-0

Stairway Planning

ABOUT THIS MANUAL

All measurements in this manual are in inches.
In this manual, parts are identified by description with item # in the round
Parentheses as per Bill of Materials.

Always PLAN the Stairway before assembly. Make sure the Roof Panels, Roof Ladder, Roof Ladder Handrail, and Manhole are placed correctly in relation to the Stairway.

The Venlaw Ag Ltd. Stairway is designed to fit 44'' tier bin.
Clockwise and counterclockwise Staircases are determined by their descending direction!

Running Distance

From the outside face of the platform to the first Stairway Hanger is 62''
The running distance of the Stairway after the platform is 113'' per 44'' tier.

An additional Platform added to the middle of the Stairway adds 28'' to the running distance.

Ensure that the Stairway does not interfere with the Bin doorway.

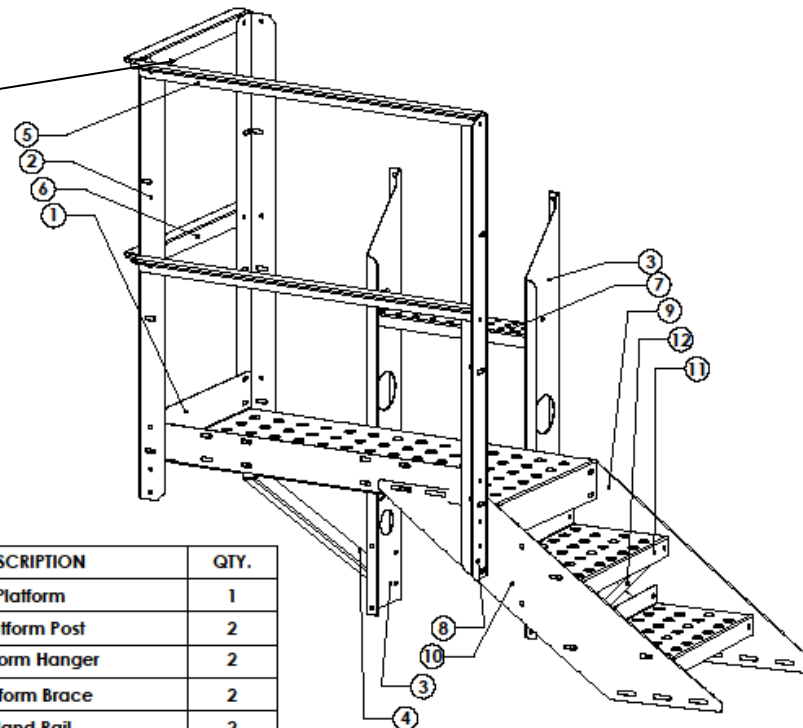
Venlaw Ag Ltd.
Stairway can descend either clockwise or Counter clockwise



Platform Parts Identification



Place WARNING Decal here

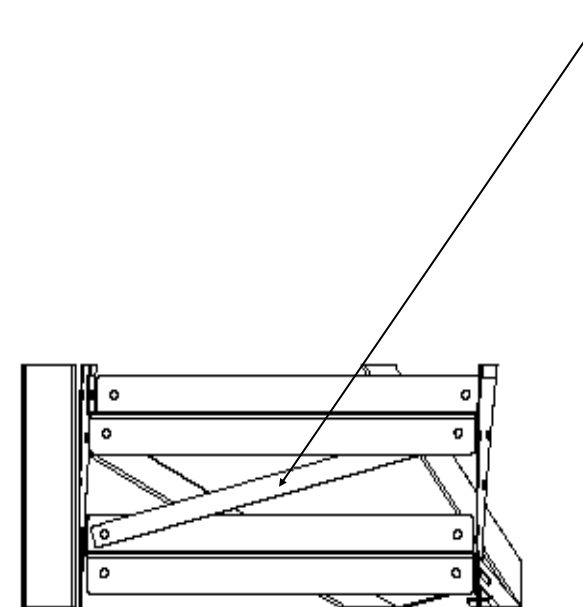


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	WG-40-1026-0	Platform	1
2	WG-40-1010-0	Platform Post	2
3	WG-40-1018-0	Platform Hanger	2
4	WG-40-1016-0	Platform Brace	2
5	WG-40-1006-0	Hand Rail	2
6	WG-40-1007-0	Hand Rail	2
7	WG-40-1015-0	Upper Bin Step	1
8	WG-40-1021-0	Platform Post	1
9	WG-40-1025-0	Top Inside Runner	1
10	WG-40-1024-0	Top Outside Runner	1
11	WG-40-1014-0	Stair Step	2
12	WG-40-1002-0	Support Strap	1

All parts have the Part Number engraved into the part

Platform Stairway Installation

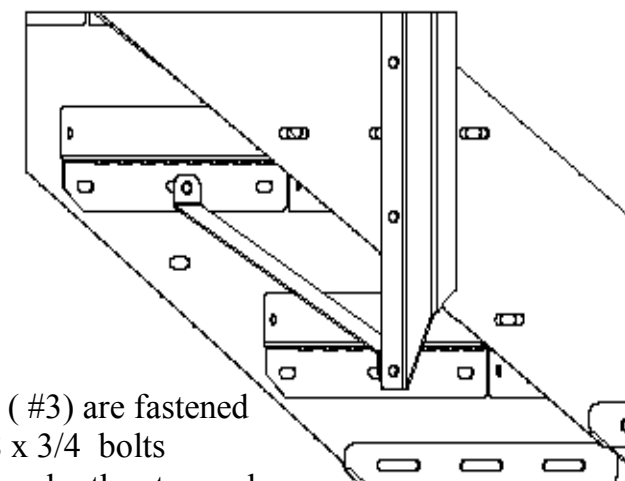
Insert a Support Strap (#4) on every 3rd Step



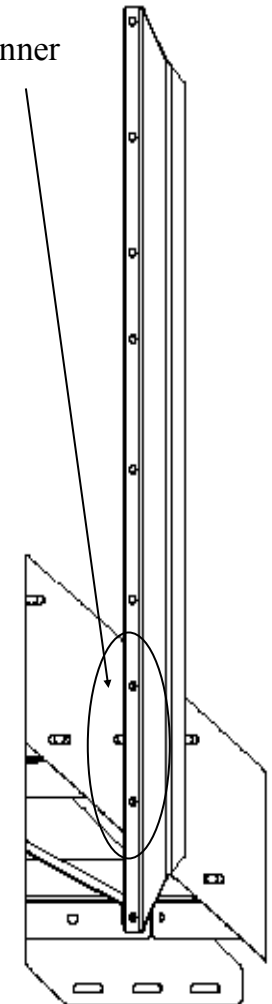
Attach a Hand Rail (#6)
To the top of the Stair Post
and a Middle Rail (#7) to
the center of the Stair Post.
The Rails should lap one
onto the other.

Fasten a Stair Post (#5)
To each Outside Runner
Stair Post should protrude
4" past the
Outside Runner

Attach a Rail Stiffening Brace to each
Rail Post. The Brace should Bolt to
the bottom Post hole and to the middle
Step hole



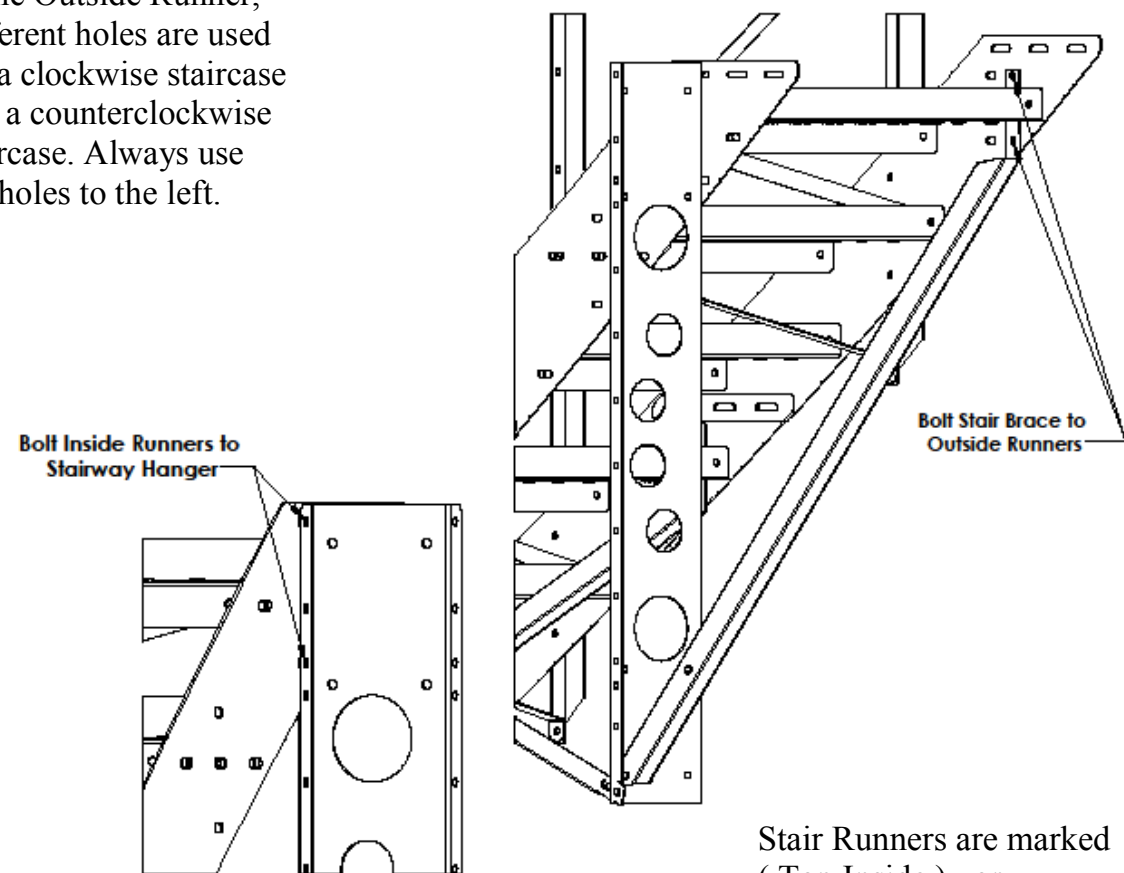
Stair Steps (#3) are fastened
with 4 -3/8 x 3/4 bolts
2 bolts are under the step and
2 bolts are above the step.



Platform Stairway Installation

Install the next Stairway Hanger (#8) 28 1/8" from the 2nd Platform Hanger. Bolt top of Stairway Hanger to the top and bottom of the 2nd ring on the bin using 3/8 x 1 Bin Seal Bolts. The first runner away from the Platform should reach down to the first Stairway Hanger. Attach two Inside Runners (#1) to the Top Inside Runner to reach down to the next Stairway Hanger. Fasten a Stair Brace to the Stairway Hanger. Attach two Outside Runners (#2) to the Top Outside Runner. Place Stair Steps (#3) between the Runners with the front flange facing down.

There are 2 sets of holes to fasten the Stair Brace to the Outside Runner, different holes are used for a clockwise staircase and a counterclockwise staircase. Always use the holes to the left.



Stair Runners are marked (Top Inside) or (Top Outside) indicating the top of the runner and the position on the Stairway.

Platform Installation

YLD (Venlaw Ag) Platform Assembly begins under the eave of the bin. Ensure that all the Roof panels, ladders, and man holes are installed in proper position in relation to the Stairway.

Bolt a pair of Platform Hangers (item # 3) 18.75" apart under the eave of the roof using 3/8 x 1 Bin seal bolts. Center the brackets under the Roof ladder using the bolt holes under the eave and on the first ring down.

Bolt the back of the Platform to the Platform Hangers (flange turned down). Install a pair of Platform Braces (# 4) with the tabs inserted through the slots in the Platform. On counterclockwise descending stairways, there should be 13 5/8" from the outside face of the Platform to the face of the Platform Hanger, on the side where the Stairway does not descend. For clockwise descending stairways, there should be 15" from the outside face of the Platform to the Platform Hanger.

On the side where the Stairway will descend, insert a Top Inside Runner (#9) between the Platform Hanger (#3) and the Platform (#1) about 1/2" down from the top of the Platform.

Bolt Upper Bin Step (#7) between the Platform Hangers about 12" above the Platform.



Platform Posts and Hand Rails

Bolt a Platform Post (#2) (46 1/8’’ long) to the corners or the Platform opposite the Stairway. Platform Post (#8) (48 7/8’’ long) is fastened on the outside corner where the Stairway descends. Place a Top Outside Runner (#10) between the Platform and Platform Post (#8).

Stair Runners are marked at the top of the Runner (Top Outside) or (Top Inside)
Top = top of Runner
Inside / Outside = Inside Runner or Outside Runner

Place Hand Rails (#5 and #6) between the Platform Posts circling the Platform.
Note the difference in the length of the Hand Rails.

Platform Post (#8) protrudes down 2 1/2’’ farther than the other 2 posts and is fastened to the Top Outside Runner along with a Stair Step (#11).

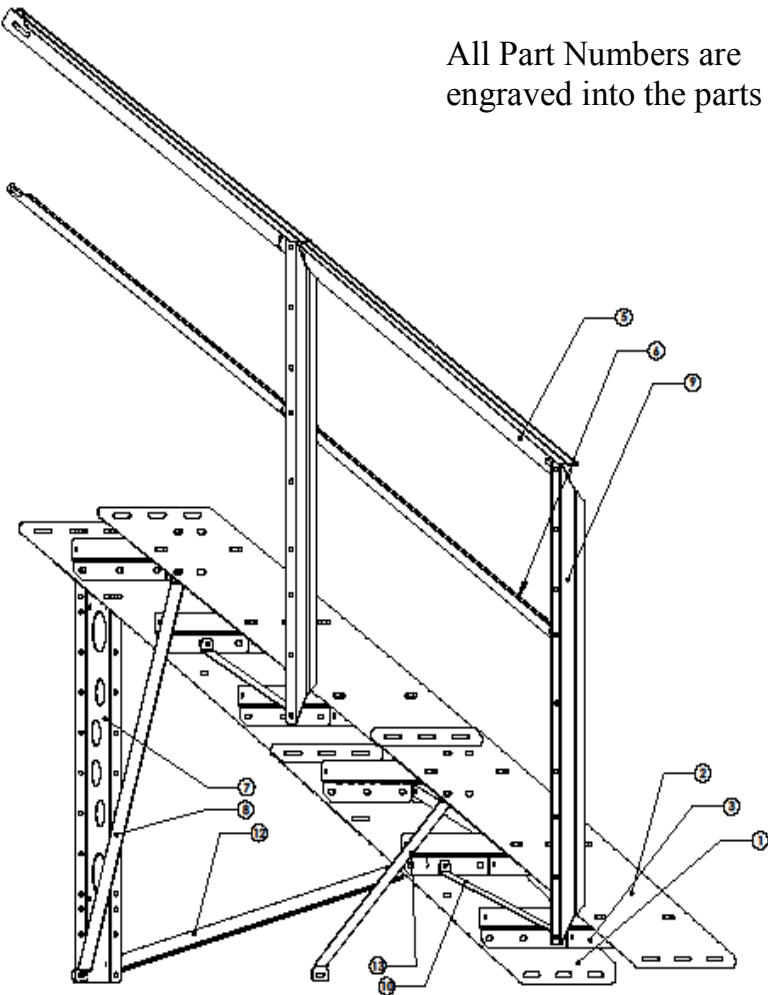


ATTENTION!

The Hand Rail and Center Rail on the Stairway’s first section are longer than the rest of the Rails.

Platform Stairway Parts Identification

YLD (Venlaw Ag) Stairway starts one 44’’ tier down from the top of the bin. All of the sections on the Stairway are the same all the way down except the very bottom section and 2 Stairway Braces (#11) which are installed evenly spaced. (One Stairway Brace is to be installed 1/3 of the way up the bin and the other one 1/3 of the way down). All components that are fastened directly to the bin are to be fastened using Bin Seal Bolts. Please ensure that all bolts are facing out of the Stairway as to not cause any obstructions on the Stairway. (eg. The bolts protruding into the stairway may catch on loose clothing).



ITEM NO.	PART NUMBER	QTY.
1	WG-40-1023-0	2
2	WG-40-1022-0	2
3	WG-40-1014-0	4
4	WG-40-1002-0	2
5	WG-40-1005-0	2
6	WG-40-1008-0	2
7	WG-40-1003-0	1
8	WG-40-1007-0	1
9	WG-40-1011-1	2
10	WG-40-1044-0	2
11	WG-40-1044-0	1
12	WG-40-1020-0	1
13	WG-40-1012-0	1

