

# Platform Manual

9" 6X4



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## **Platform Placement**

Lambton Conveyor platforms have been specifically designed for placement on certain areas of the bucket elevator. Below is a list of the different types of platforms, their uses, and recommended placement. Any other use or placement aside from the ones mentioned below could result in serious injury or death.

### **Rest Platform**

The Lambton Conveyor rest platform is intended to be used as a safety platform while climbing the elevator to prevent serious injury in the case of a fall. It is to be located every 20' for federal applications, or every 30' as a provincial standard. When standing a bucket elevator in two or more sections the rest platform should be mounted in an adequate position to allow for trunking to be connected (just below the joint).

### **Work Platform**

The Lambton Conveyor work platform is intended to be mounted approximately 6' below the elevator distributor to the trunking and should be used for servicing the distributor and installing down spouts only. Due to various layouts it may be necessary to mount the platform lower in order to miss the distributor valves or spouting.

### **Head Service Platform**

The Lambton Conveyor head service platform is intended to be mounted directly to the elevator head or just below the head with smaller elevators in order to service and repair problems with the head itself or drive assembly. The service platform is not intended to be used anywhere else on the elevator.

**It is the owners/operators responsibility to ensure all unauthorized personnel are kept clear of these assemblies and that all workers/operators are aware of the necessary safety precautions.**





# **Owners Installation Manual**

## **9" Standard Rest Platform**

**Please read through all directions carefully before beginning the assembly of the platform.**

**The platform is designed to be built on either side of the trunk (depending on where the ladder is). Due to this, the pictures enclosed may not be an exact representation of your specific application.**

**The platform itself can be assembled on either side of the door, depending on your space requirements or personal preference.**

**On page 11 is a list of all parts (including dimensions and quantity). All parts are numbered and are referred to by these numbers in the assembly instructions. Referring to page 11 in order to clarify which parts are required in each step is suggested to prevent misapplication.**

*\*Note that some images may not exactly reflect this model.*

- 1/ Bolt the two primary support C-channels (1) to the outside of the trunking. This will require removal of two hem locking bolts on each side and then re-bolting them. Bolt the three secondary support C-channels (2) to the top of the two primary support C-channels (1). Bolt the two 24 1/4 @ floor/door support angles (3) to the inside of the two secondary support C-channels (2) in the door area. These should be mounted flush with the tops of the secondary support C-channels.

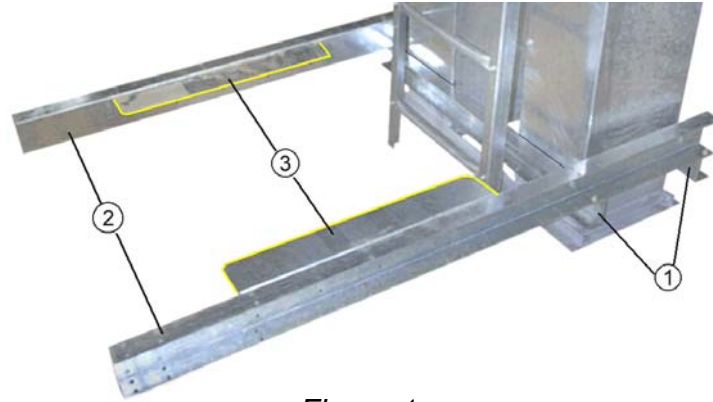


Figure 1

- 2/ Position one 59 3/4 @ long toe board (5) behind the ladder. Position the 43 1/4 @ x37" floor panel (door section) (4), the 43 7/8 @ short toe board (6), and the second 59 3/4 @ long toe board (5). Before bolting down the floor along the ladder edge, position the two 7 3/4 @ ladder toe boards (7). Once in place, bolt these to the ladder channel uprights. Bolt down the floor panel and all toe boards.

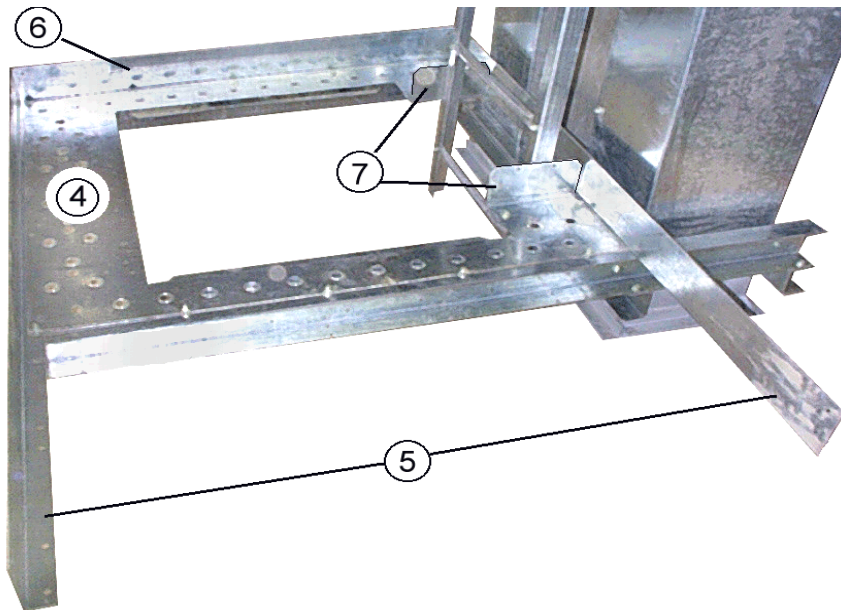
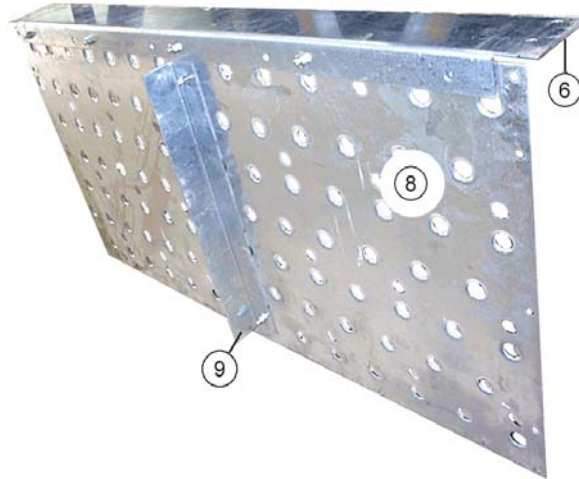


Figure 2

- 3/ Assemble the 43 1/4 @x21 1/2 @ rest floor panel (8). On the underside of the panel, bolt the second 43 7/8" short toe board (6), and the 19 1/8@ rest floor panel stiffener (9).



**Figure 3**

- 4/ Install the rest floor panel assembly. Position it on the long toe boards that are extending past the support channels. Bolt down the floor panel.



**Figure 4**



- 5/ Assemble the 28 ½ @x26 ¾@ floor (door panel) **(10)**. Bolt on the 31" door toe board **(11)**, two 23" floor/door supports **(12)**, the handle, 26 ¾@ hinge stiffener **(13)**, and the four hinges. Use the hardware provided with the hinges and handle to bolt them down. Hinges go on top of door; bolt hinge, door and hinge stiffener together.

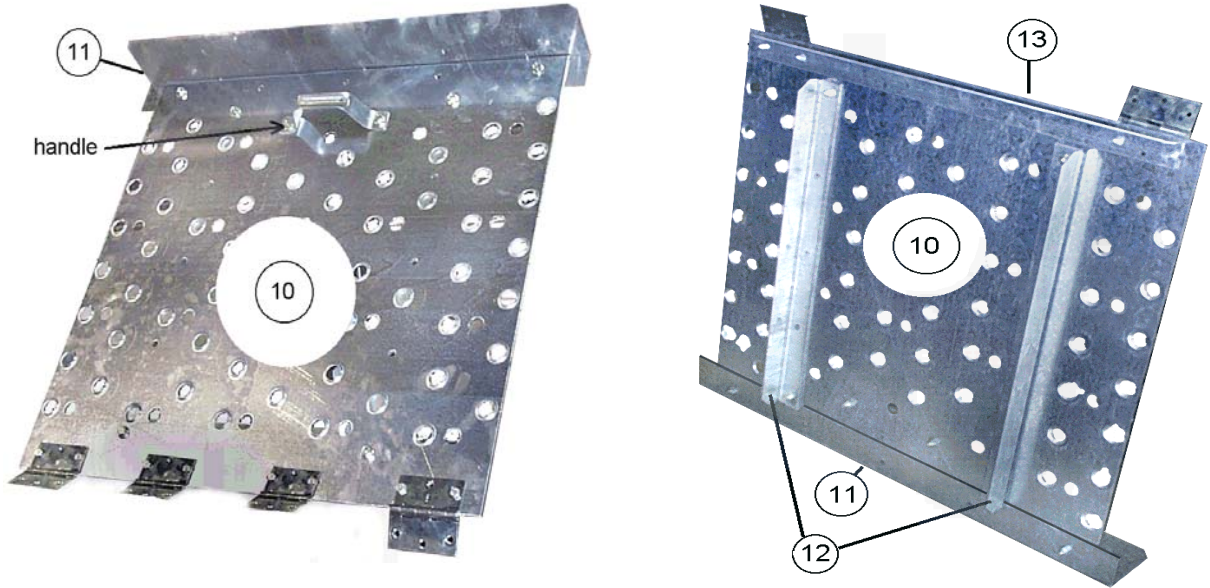


Figure 5

- 6/ Position door assembly in floor/door frame. Bolt the hinges down through the floor. Install the second 26 ¾@ hinge stiffener **(13)** to the underside before installing the nuts on the hinge bolts.



Figure 6

- 7/ Bolt the four 42" railing uprights **(14)** in all four corners of the platform. To the uprights, bolt the 44 <sup>1</sup>/<sub>8</sub>" short hand rails **(15)**, on either side of the platform, and bolt the 60" long hand rails **(16)**, behind the ladder and at the front of the platform. The angles on the handrails face out and the rounded edge face in.

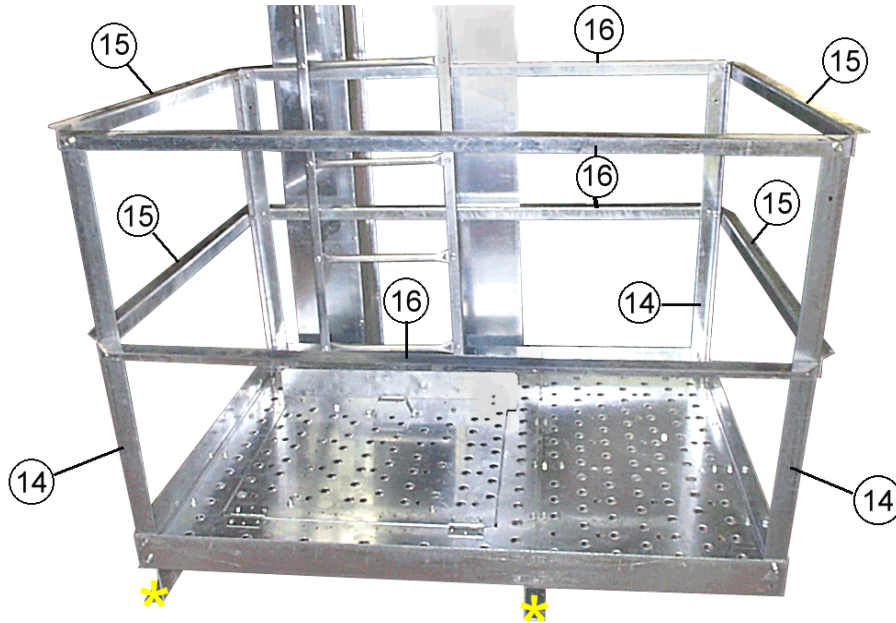


Figure 7

**NOTE:** At the position noted (\*), bolt on the 66 <sup>7</sup>/<sub>8</sub>" kick braces **(17)** and extend them down. Where the kick braces meet the trunk below, bolt on the remaining main support C-channel **(1)**. This will require removing and re-bolting two hem lock bolts from the trunk, as before. Bolt the kick braces to the ends of the channel. This extra channel is required to spread the kick braces apart giving more clearance for the ladder.

**Parts List Information**

Ref #	Description	Length	Width	Height	Gauge	Quantity	Part #
1	primary support C-channel	56 <sup>3</sup> / <sub>4</sub>	2	4	10	2	urestp09.001
2	secondary support C-channel	39	2	3	10	3	urestp09.000
3	floor/door support angle	24 <sup>1</sup> / <sub>4</sub>	2	4	10	2	urestp16.010
4	floor panel (door section)	43 <sup>1</sup> / <sub>4</sub>	37	--	14	1	urestp16.014-1
5	long toe board	59 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	4	10	2	urestp16.002
6	short toe board	43 <sup>7</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	4	10	2	urestp16.003
7	ladder toe board	7 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>4</sub>	4	14	2	urestp16.013-1
8	rest floor panel	43 <sup>1</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>2</sub>	--	14	1	urestp24.005
9	rest floor panel stiffener	19 <sup>1</sup> / <sub>8</sub>	2	2	14	1	urestp16.006
10	floor (door panel)	28 <sup>1</sup> / <sub>2</sub>	26 <sup>3</sup> / <sub>4</sub>	--	14	1	urestp16.014-2
11	door toe board	31	2 <sup>1</sup> / <sub>4</sub>	4	14	1	urestp16.013-2
12	floor/door stiffener	23	1 <sup>1</sup> / <sub>2</sub>	1	10	2	urestp16.011
13	hinge stiffener	26 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	1	10	2	urestp16.012
14	railing upright	42	2	2	10	4	urestp16.004
15	short hand rail	44 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	10	4	urestp16.007
16	long hand rail	60	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	10	4	urestp16.008
17	kick brace	66 <sup>7</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	14	2	urestp16.009
	Hex bolt	<sup>3</sup> / <sub>4</sub>	<sup>5</sup> / <sub>16</sub>	---	---	60	
	Truss slot ( button head) bolt	<sup>3</sup> / <sub>4</sub>	<sup>5</sup> / <sub>16</sub>	---	---	65	
	hex nut	---	<sup>5</sup> / <sub>16</sub>	---	---	125	
	Hinge kit	--	--	--	--	1	

**NOTES:** Use truss slot bolts for all floor panel connections.

This platform includes two half “Flared ( Starter ) cage hoops” which are meant to start the safety cage continuing up the leg.

All dimensions are in inches.





# **Owners Installation Manual**

## **9” Work Platform**

The Lambton Conveyor Work Platform is intended to be mounted approximately 6' below the elevator distributor to the trunking and should be used for servicing the distributor only. Due to various layouts it may be necessary to mount the platform lower in order to miss the distributor valves and spouting. It is the assemblers, and users responsibility to ensure safe working conditions in any situation. In order to maintain a safe working environment, ladders and cages may be necessary additions to the platform. Due to the many applications a kit is not available. It is also the owner's responsibility to ensure unauthorized personnel are **not** able to access these assemblies.

**Parts List**

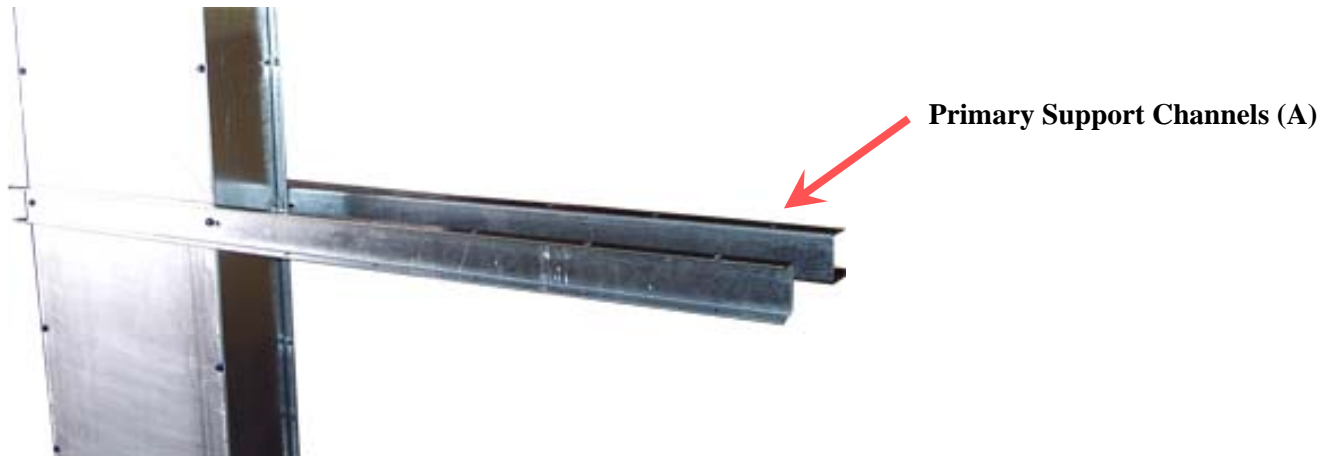
<b>Part Name</b>	<b>Letter</b>	<b>Part#</b>	<b>Description</b>	<b>Length</b>	<b>Quantity</b>
Primary Supports	A	workplat.009	C-Channel	68"	2
Floor Panel	B	workplat.240	Perforated	48" x 40"	1
Railing Uprights	C	headplat.824	Angle	42"	5
Front Handrails	D	workplat.324	Angle	48"	2
Side Handrails	E	workplat.424	Angle	40"	4
Rear Handrails	F	workplat.509	Angle	29"	2
Safety Bar	G	workplat.524	Flat	21"	1
Kick Braces	H	workplat.624	Angle	74 ¾"	2
Long Toe Board	I	workplat.241	Angle	48"	2
Short Toe Board	J	workplat.242	Angle	40"	2
5/16" x ¾" bolts (hex head)	<b><u>Use Grade 8 Strength Bolts Only</u></b> <b><u>Torque to 120 ft. lbs minimum</u></b>				32
5/16" x ¾" truss slot (button head) bolts					32
5/16" x 1 ¼" bolt					2
5/16" nuts					66

**Note:** Use truss slot bolts for all floor panel connections.

Unless otherwise stated use 5/16"x ¾"hex heads.

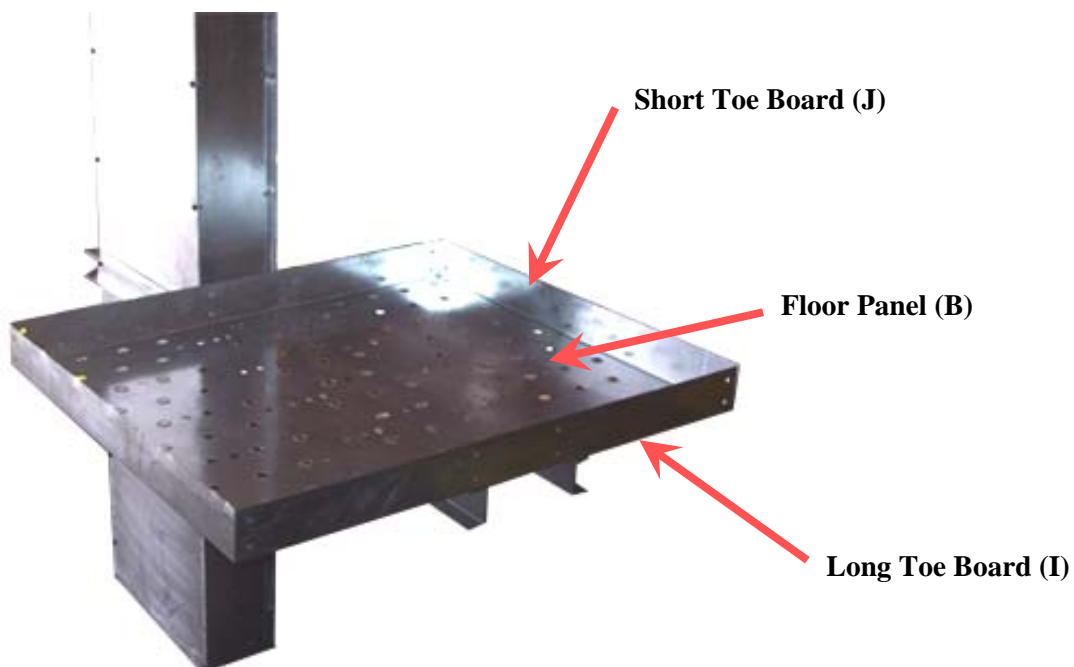
## **Step #1**

To assemble your work platform first locate the two Primary Support Channels (A) and mount to the trunking using the existing hemlock bolts. Mount the channels approximately 6' below the distributor valve to provide adequate room for the handrails to be mounted.



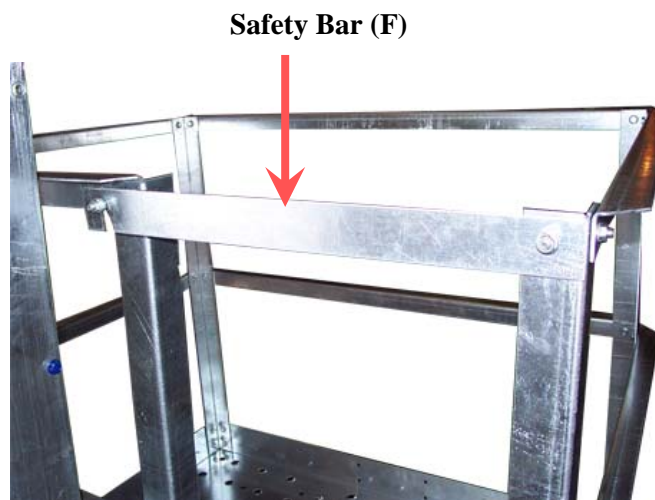
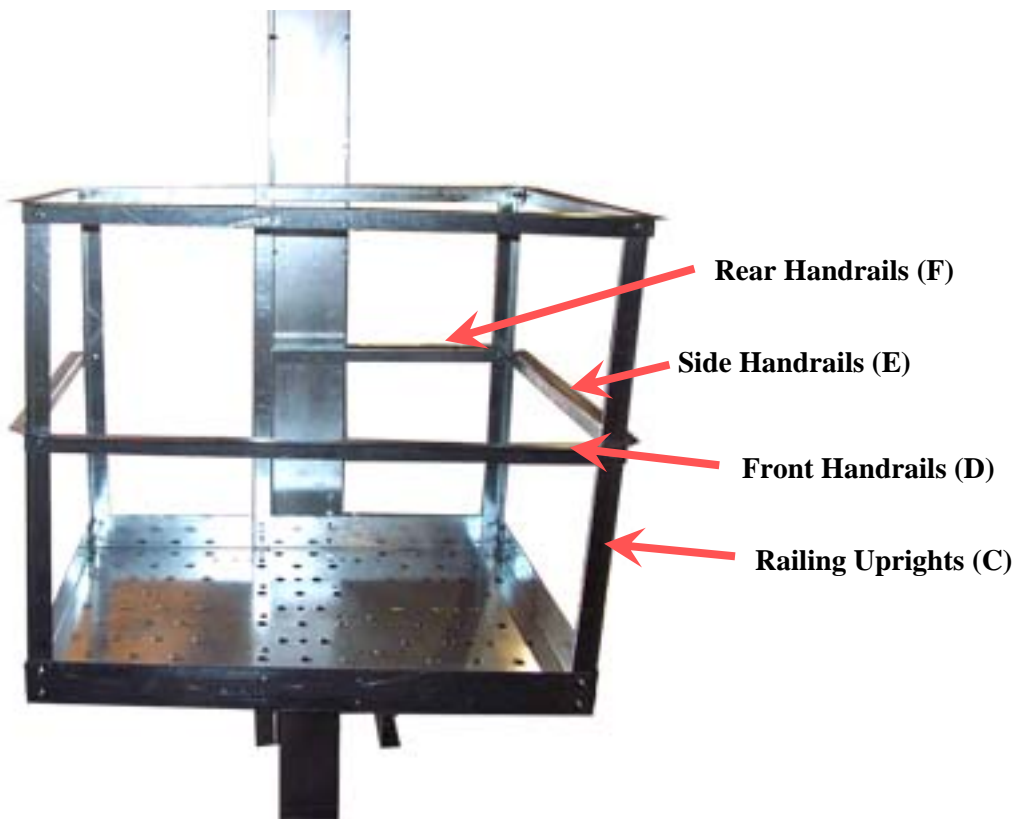
## **Step #2**

Now mount the Floor Panel (B) on top of the primary support channels and fasten using 5/16" x 3/4" button head bolts.



### **Step #3**

Now mount the five Railing Uprights (C) in each corner of the platform and on each side of the trunk as shown. The Kick Braces (H) which are not shown mount from the front two corners of the platform using the bottom rail post bolts then extend down to the trunking and bolt to the hemlock (use the existing hemlock bolts). The Front Handrails (D), Side Handrails (E), Rear Handrails (F) and the safety bar can also be mounted during this step. The Safety Bar (F) is used to enter and exit the platform therefore is required to pivot. The 5/16" x 2 3/4" bolt should be double nutted and mounted on the latch side, while the bar and 5/16" x 1 1/4" bolt are used on the pivot end and double nutted as well.





The platform is now finished and should resemble the following:



To access the platform from the ladder on the trunking you must step out of the safety cage (not shown) and across. To make this process easier some modification of the vertical cage straps is optional. For safety reasons we do **not** recommend removing all of the safety cage in this area. Handrails are not intended to be used as a step to access distributor at any time, failure to obey could result in injury or death.





# **Owners Installation Manual**

## **9” Head Service Platform**

The Lambton Conveyor Head Service Platform is intended to be mounted approximately 2' below the elevator head in order to service and repair problems. The service platform is not intended to be used anywhere else on the elevator. It is the owner's responsibility to ensure all unauthorized personnel are kept clear of these assemblies. Use the following parts list to assist in the location of parts throughout the assembly.

**Parts List**

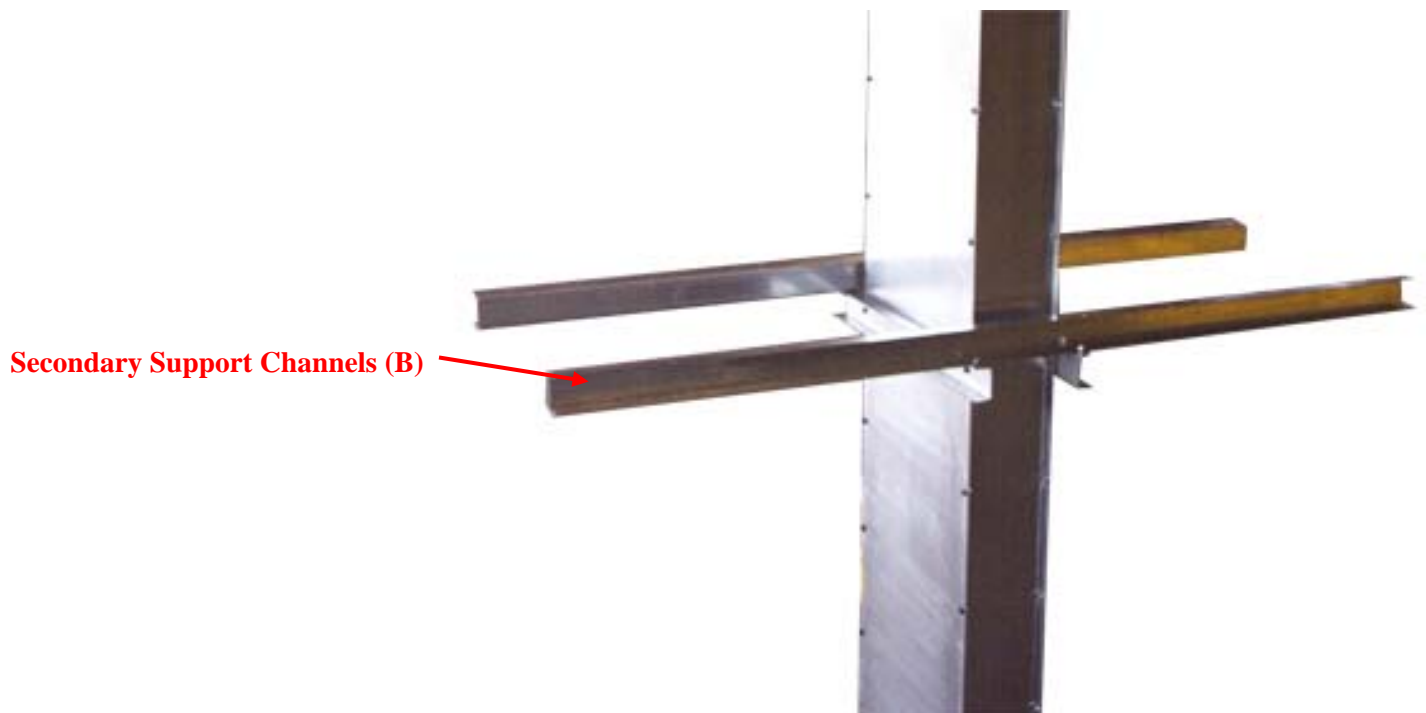
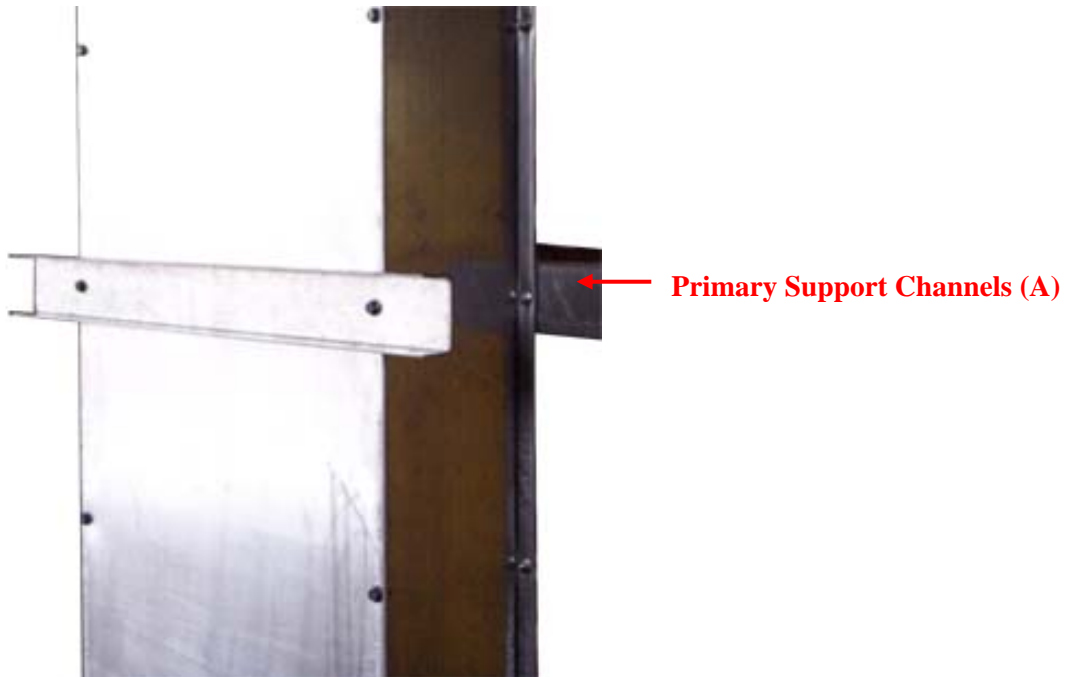
<b>Part</b>	<b>Letter</b>	<b>Part#</b>	<b>Description</b>	<b>Length</b>	<b>Quantity</b>
<b>6x4 Head Service Platform</b>		<b>mruservp.009</b>			
Primary Support Channel	A	uservp09.003	C-Channel	32"	2
Secondary Support Channel	B	uservp09.004	C-Channel	88 1/2"	2
Door Panel	C	uservp09.000	Flat Sheet	39" x 28 5/8"	1
Hinge Stiffeners	D	uservp09.007	Angle	25"	2
Door Toe Board	E	uservp09.010	Angle	28 1/2"	1
Door Stiffeners	F	uservp09.008	Angle	23"	2
Drive Side Floor Panel	G	uservp09.001	Flat Sheet	39" x 28 5/8"	1
Platform Support	H	uservp09.009	Angle	28 5/8"	1
Side Toe Board	I	uservp09.005	Angle	60"	2
Front/Back Toe Board	J	uservp09.006	Angle	89 1/4"	2
Rear Floor Panel	K	uservp09.002	Flat Sheet	88 1/4" x 30"	1
Railing Uprights	L	uservp16.018	Angle	42"	6
Front Handrails	M	uservp09.013	Angle	35 3/4"	4
Side Handrails	N	uservp09.011	Angle	59 1/8"	4
Rear Handrails	O	uservp09.012	Angle	87 3/4"	2
5/16" x 3/4" hex head bolts	<b>Use Grade 8 Strength bolts Only. Torque to 120 ft. lbs minimum.</b>				50
5/16" x 3/4" truss slot (button head) bolts					55
5/16" hex nuts					105
Hinge kit					1

**Note:** Use truss slot bolts for all floor panel connections.

Unless otherwise stated use 5/16"x 3/4"hex heads.

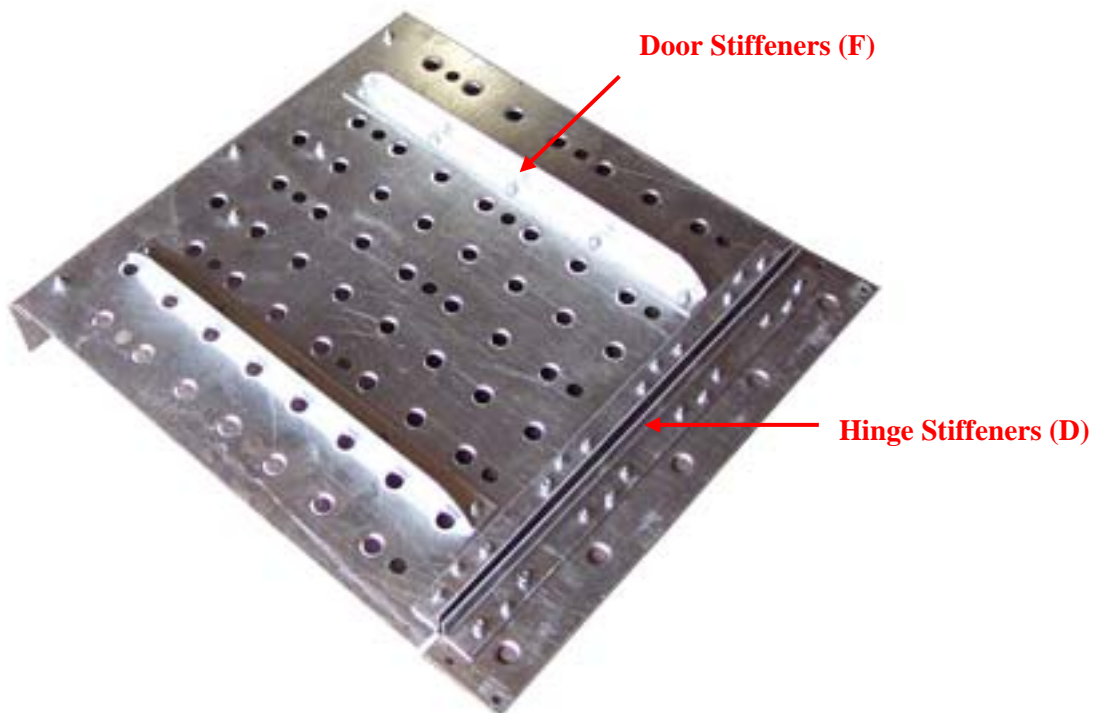
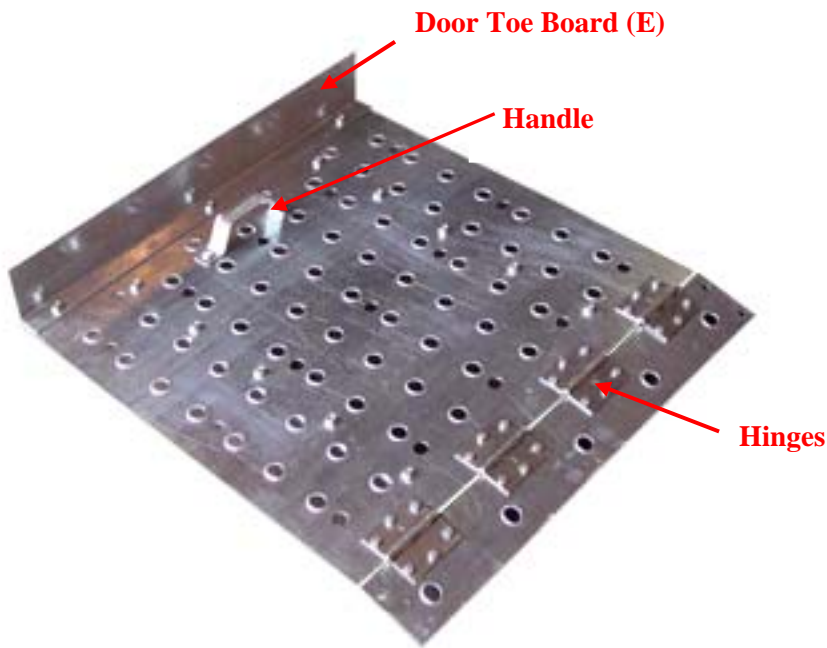
**Step #1**

Locate the two Primary Support Channels (A) and mount to the trunking approximately 2' below the head section using the existing hemlock bolts. The Secondary Support Channels (B) can then be mounted to the primary support channels as shown in the diagram.

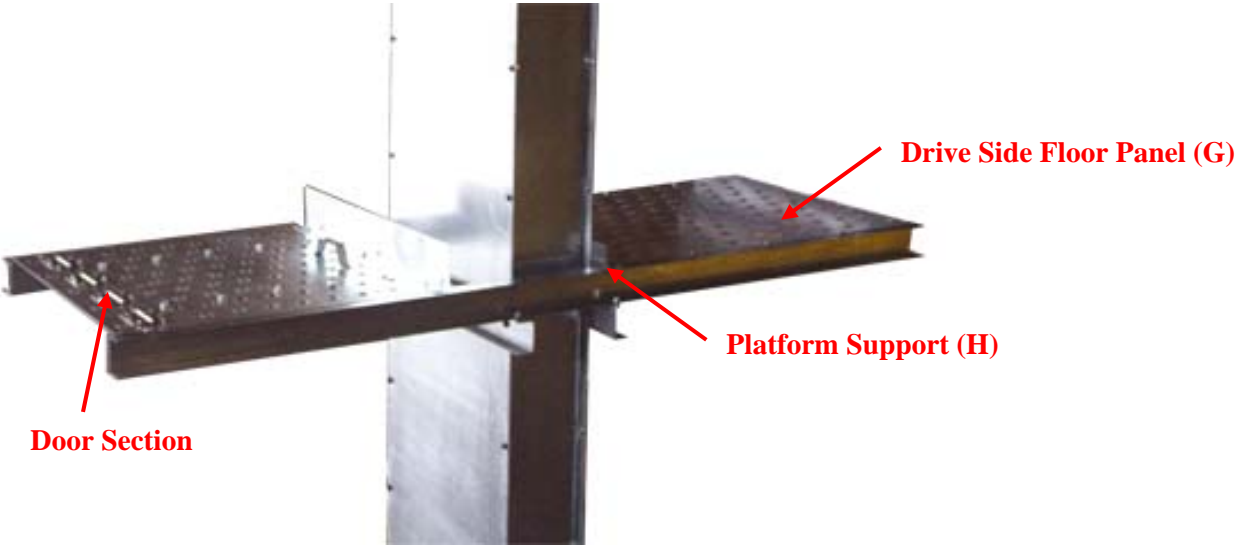


## Step #2

The Door Panel (C) can now be assembled by attaching the 4 hinges and Hinge Stiffeners (D) as shown using the 1/4" x 3/4" bolts, locks, and nuts. The Handle, and Door Toe Board (E) mount to the top of the door while two Door Stiffeners (F) mount to the bottom using 5/16" x 3/4" button head bolts all around.

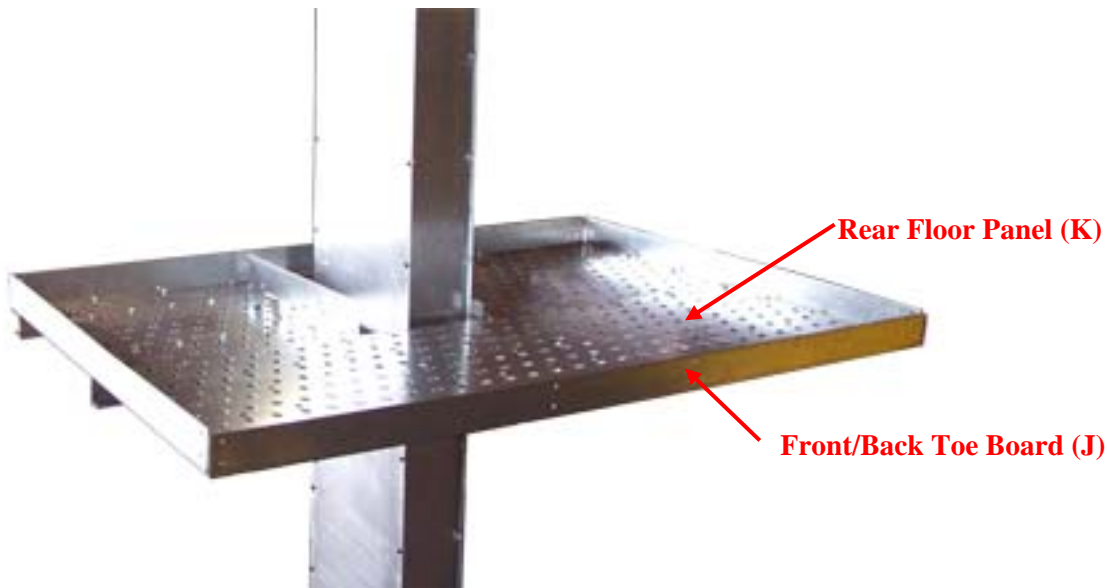


The Door Section and Drive Side Floor Panel (G) can now be placed on the secondary support channels as shown. The Platform Support Angle (H) can be mounted along the trunking on the drive side as well as the two Side Toe Boards (I), and a Front/Back Toe Board (J) using 5/16" x 3/4" button head bolts. Note: all toe boards are mounted in outside holes of channels and underneath flooring.



### **Step #4**

The Rear Floor Panel (K) and remaining Front/Back Toe Board (J) can now be mounted into place using 5/16" x 3/4" button head bolts. Refer to diagram for clarification.



### **Step #5**

Next locate the six Railing Uprights (L) and mount as shown in the diagram along with the four Front Handrails (M), four Side Handrails (N), and two Back Handrails (O). The platform is now finished and should resemble the diagram.





