Walkway Assembly Instructions

READ INSTRUCTIONS BEFORE ASSEMBLING
## A. HARDWARE LIST

<table>
<thead>
<tr>
<th>NO.</th>
<th>DESCRIPTION</th>
<th>HARDWARE (SCALE: 1”=1”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>#13051</td>
<td>LOCK NUT 5/16</td>
<td></td>
</tr>
<tr>
<td>#13152</td>
<td>HEX HEAD BOLT 5/16” x 5/8”</td>
<td></td>
</tr>
<tr>
<td>#13101</td>
<td>HEX HEAD BOLT 5/8” x 1 1/2”</td>
<td></td>
</tr>
<tr>
<td>#13102</td>
<td>SPRING LOCK WASHER 5/8”</td>
<td></td>
</tr>
<tr>
<td>#13103</td>
<td>HEX NUT 5/8”</td>
<td></td>
</tr>
<tr>
<td>#13160</td>
<td>TRUSS HEAD MACHINE SCREW #10 x 3/8”</td>
<td></td>
</tr>
<tr>
<td>#13061</td>
<td>KEPS SHAKEPROOF NUT #10</td>
<td></td>
</tr>
<tr>
<td>#13154</td>
<td>TRUSS HEAD MACHINE SCREW 5/16” x 3/4”</td>
<td></td>
</tr>
<tr>
<td>#991809H</td>
<td>5/8” x 2” HEX HEAD BOLT</td>
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</tr>
</tbody>
</table>
B. WALKWAY CATALOG NUMBERS AND BEAM SIZES

WALKWAY CATALOG NUMBERS

<table>
<thead>
<tr>
<th>WALKWAY WIDTH</th>
<th>WALKWAY LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2'</td>
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<tr>
<td>2'</td>
<td>972–02</td>
</tr>
</tbody>
</table>

WALKWAY BEAM SIZES

- #9999 16” X 20’ BEAM
- #9997 11 1/4” X 12’ BEAM
- #9998 14” X 16’ BEAM
- #9962 8 1/2” X 2’ BEAM
- #9963 8 1/2” X 4’ BEAM
- #9964 8 1/2” X 6’ BEAM
- #9965 8 1/2” X 8’ BEAM
- #9966 8 1/2” X 10’ BEAM

Beam lengths are nominal – actual lengths are 8 3/4” less than nominal.
### C. Framing and Floor Support Layouts

#### Without Floor Support

- **Walkway Length**: 8 1/2" X 10'
  - 9966 Beam
- **Walkway Width**: 8 1/2" X 8'
  - 9965 Beam
- **Walkway Width**: 8 1/2" X 6'
  - 9964 Beam
- **Walkway Width**: 8 1/2" X 2'
  - 9962 Beam

#### With Floor Support

- **Walkway Length**: 16" X 20'
  - 9999 Beam
- **Double Beams**: 14" X 16'
  - 9998 Beam
- **11 1/4" X 12'**: 9997 Beam

#### Walkway Width

- **8 1/2" X 2'**: 9962 Beam
- **8 1/2" X 4'**: 9963 Beam
- **8 1/2" X 2'**: 9962 Beam
- **8 1/2" X 4'**: 9963 Beam
D. ASSEMBLY PROCEDURE

STEP 1 END ANGLE ASSEMBLY

NOTE
BE SURE YOU HAVE THE TOP EDGE OF THE END ANGLE UP. THE TOP EDGE OF THE END ANGLE IS THAT WHICH HAVE A HOLE AT 1 1/4" FROM THE EDGE AS SHOWN.

#7317 END ANGLE

BEAM
#9962 (2' LONG)
#9963 (4' LONG)
#9964 (6' LONG)
#9965 (8' LONG)
#9966 (10' LONG)
#9997 (12' LONG)
#9998 (16' LONG)
#9999 (20' LONG)

5/8" X 1 1/2" HEX HEAD BOLT, LOCKWASHER AND HEX NUT. (2 EA. PER END)

STEP 2 FRAME ASSEMBLY

NOTE
DO NOT TIGHT SCREWS IF YOU ARE GOING TO ADD ANOTHER WALKWAY TO THE END OF THE PREVIOUS WALKWAY. SEE STEP 3 (ADD ON WALKWAY ASS'Y).

BEAM
#9962 (2' LONG)
OR
#9963 (4' LONG)

5/8" X 1 1/2" HEX HEAD BOLT, LOCKWASHER AND HEX NUT. (4 PER END BEAM)

END ANGLE ASSEMBLY
(From step 1)
NOTE

MOVE FRAME ASSEMBLIES TO FINAL LOCATION AND BOLT IN PLACE AS SHOWN. IF YOU HAVE MORE WALKWAYS TO ADD ON CONTINUE UNTIL THE ENTIRE WALKWAY FRAMEWORK IS COMPLETED. TIGHTEN ALL HARDWARE.

FRAME ASSEMBLIES
(From step 2)

5/8" X 1 1/2" HEX HEAD BOLT, LOCKWASHER AND HEX NUT. (4 PER ASSEMBLY)
STEP 4  INTERNAL BEAMS INSTALLATION

a) BEAM BRACKETS INSTALLATION

11 1/4" X 12' BEAM

Beam Bracket #7664
5 11/16" x 8"
(2 PER LOCATION)

5/8" x 1 1/2" HEX HEAD BOLT, LOCKWASHER, AND HEX NUT.
(2 PER #7664 AND 3 PER #7665L/R)

14" X 16' BEAM
OR
16" X 20' BEAM

Beam Bracket #7665L/R
5 11/16" x 8"
(2 PER LOCATION)

b) INTERNAL BEAMS INSTALLATION

11 1/4" X 12' BEAM

Beam Bracket #7664
5 11/16" x 8"
(2 PER LOCATION)

5/8" x 1 1/2" HEX HEAD BOLT, LOCKWASHER, AND HEX NUT.
(2 EA. PER END)

8 1/2" X 2' BEAM
OR
8 1/2" X 4' BEAM
c) **BEAM SPLICE ASSEMBLY**

**FOR 16’–18’–20’ ONLY**

1. **SLIDE CENTER BEAM INTO PLACE AS SHOWN ON PAGE 2.** (NOTE: CENTER BEAM TELESCOPES INTO LEFT AND RIGHT BEAMS SHOWN.)

2. **WHEN HOLES IN THE CENTER BEAM ARE ALIGNED WITH THE HOLES IN THE LEFT AND RIGHT BEAMS, ATTACH THE (#13101) AND (#991809H) HEX HEAD BOLTS, WASHERS (#13102) AND HEX NUTS (#13103) AND TIGHTEN.**

3. **20–2” LONG (991809H) BOLTS HAVE BEEN FURNISHED FOR FACE TO FACE INSTALLATION. BALANCE OF BOLTS ARE 1-1/2” LONG (#13101)**

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**NOTE:** PART SHOWN WITH BOLTS (13101) AND (991809H), WASHERS (13102), AND NUTS (13103) IN PLACE. (4 BOLTS INSERTED FROM THIS SIDE).
STEP 5  FLOOR INSTALLATION

a) ANGLE CLIP INSTALLATION

BE SURE ANGLE CLIPS ARE POSITIONED PARALLEL WITH THE DIRECTION OF THE GRATING PANELS.

WALKWAY FRAME

#9520 ANGLE CLIP

5/8" X 1 1/2" HEX HEAD BOLT, LOCKWASHER AND HEX NUT. (1 PER CLIP)

END BEAM

b) GRATING PANEL INSTALLATION

FOR FRAME WITHOUT FLOOR SUPPORT

NOTE: GRATING PANELS ARE INSTALLED PARALLEL WITH THE END BEAM.

5/16" X 5/8" HEX HEAD BOLT AND HEX NUT (2 PER END)

FOR FRAME WITH FLOOR SUPPORT

NOTE: GRATING PANELS ARE INSTALLED PERPENDICULAR TO THE INTERNAL BEAMS.

PERFORATED OR SOLID GRATING PANEL 1 1/2" HIGH

#16142 – 11 7/8" X 23 3/4"
#16144 – 11 7/8" X 47 3/4"
#16148 – 11 7/8" X 95 3/4"
#16152 – 11 7/8" X 143 3/4"

NOTE

AFTER ALL THE GRATING PANELS ARE IN PLACE, TIGHTEN ALL HARDWARE.
STEP 6a  RAILING ASSEMBLY

NOTE: DO NOT TIGHTEN HARDWARE ON RAILING UNTIL SPECIFIED
1. Fasten the railing post to the walkway framework in their appropriate position. Use two bolting channels per railing post as shown below.
2. Insert post top caps into the railing post and bolt in place. Where posts are side by side, bolt caps at the center with a common bolt and nut. Tighten all the post cap hardware at this time.
3. Insert railing brackets in the ends of the railing channels. Position the flanges on the brackets to the side of the railing channel which has a gap in it. Bolt bracket into place. (Step 6b)
4. With the flanges pointing downward, position the railing channel assemblies between the railing posts in their proper locations and bolt into place. (Step 6b)
5. Fasten the kickplate end angles to the railing post as shown in Step 7.
6. Position the kickplates with the flanges turned to the outside of walkway and bolt to the kickplate end angles. For kickplates 8’ or longer bolt 2 kickplate angle clips along the bottom flange of the kickplate and to the external beam as shown in Step 8. Evenly place the angle clips for uniform support.

NOTE: GRATING REMOVED FOR CLARITY. IF A RAILING POST IS MOUNTED IN THE SAME LOCATION OF A BEAM BRACKET THEY WILL HAVE COMMON HARDWARE.
STEP 6b
RAILING ASSEMBLY

RAILING CHANNEL ASSEMBLY

5/16" x 3/4" TRUSS HEAD MACHINE SCREW (2 PER RAILING CHANNEL)

RAILING BRACKET ASSEMBLY #9560A (2 PER RAILING CHANNEL)

GAP AND FLANGE TO BE ON THE SAME SIDE.

RAILING CHANNEL
#12402 - 15 3/4"
#12403 - 39 3/4"
#12405 - 63 3/4"
#12406 - 87 3/4"
#12408 - 111 3/4"
#12409 - 135 3/4"

PLACEMENT OF RAILING CHANNEL ASSEMBLIES

5/16" x 5/8" HEX HEAD BOLT AND LOCK NUT (4 PER RAILING CHANNEL ASSEMBLY)

RAILING POST #12425

RAILING CHANNEL ASSEMBLY

FLANGE DOWN

THREE RAIL SYSTEM

TWO RAIL SYSTEM

RAILING CHANNEL ASSEMBLIES

10 5/8

10 5/8

42

17

FLOORING (1 1/2" GRATING SHOWN)

FRAME SIDE BEAM

RAILING POST #12425
STEP 7  KICKPLATE ASSEMBLY

RAILING POST #12425

RAILING POST #12425

FLOORING (1 1/2" GRATING SHOWN)

KICKPLATE END ANGLE #9561 (2 PER KICKPLATE)

5/16" x 5/8" HEX HEAD BOLT AND LOCK NUT (2 PER ANGLE 4 PER KICKPLATE)

8 1/2" HIGH BEAM

THREE RAIL SYSTEM

RAILING CHANNEL ASSEMBLIES

TWO RAIL SYSTEM

RAILING POST #12425

KICKPLATE

FLOORING (1 1/2" GRATING SHOWN)

8 1/2" HIGH BEAM

NOTE: THE BOTTOM OF THE KICKPLATE SHOULD BE EVEN WITH THE TOP OF THE BEAM.
STEP 8
KICKPLATE ANGLE CLIP ASSEMBLY
(FOR KICKPLATES 8’ OR LONGER)

KICKPLATE

KICKPLATE ANGLE CLIP
#9562
1 1/8" x 1 3/8"

5/16" x 5/8" HEX HEAD BOLT AND LOCK NUT. (2 EA. PER ANGLE CLIP)

NOTE:
LONG FLANGE DOWN

8 1/2" HIGH BEAM