215ASY

EQUIPTO

IBC – SERIES STAIRWAY ASSEMBLY INSTRUCTIONS
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1a) MOUNTING TOP ANGLE TO BUILDING STRUCTURE

NOTE
IF MOUNTING TO BUILDING STRUCTURE, REAR SURFACE OF ANGLE MUST BE IN A PERPENDICULAR LINE, FLUSH WITH THE OUTER EDGE OF MEZZANINE PLATFORM TO GAIN FULL ADVANTAGE OF THE TOP STAIR TREAD DEPTH. A MINIMUM OF TWO (2) FASTENERS MUST BE INSTALLED IN EACH ANGLE. IF ANGLE IS TO BE FASTENED TO THE WALL, ANCHORS MUST BE FURNISHED BY OTHERS. DO NOT TIGHTEN FASTENERS UNTIL STAIRWAY IS COMPLETELY ASSEMBLED. TO MOUNT STAIRWAY TO EQUIP TO MEZZANINE SEE MEZZANINE INSTRUCTIONS.

1b) MOUNTING TOP ANGLE TO V-GRIP UPRIGHT

1c) MOUNTING TOP ANGLE TO IRON GRIP UPRIGHT
1d) MOUNTING TOP ANGLE TO SLOTTED ANGLE

SLOTTED ANGLE

#9573R TOP ANGLE
RIGHT HAND

#13153 HEX BOLT

1e) MOUNTING TOP ANGLE TO GRATING

ASSEMBLE HANGER BRACKET TO GRATING PANEL
(HARDWARE AND HANGER BRACKETS NOT INCLUDED WITH STAIRWAY)

#13184 BOLT

#10315 GRATING CLAMP

#78254L HANGER BRACKET
LEFT HAND

#78254R HANGER BRACKET
RIGHT HAND

12" WIDE MEZZANINE
GRATING PANEL

#13184 SQUARE HEAD BOLT 5/16"-18 x 2"
#13051 LOCKNUT 5/16"-18
#13182 SPRING LOCKWASHER 3/8"
(3 PER BRACKET)

ASSEMBLE TOP ANGLE TO HANGER BRACKET

12" WIDE MEZZANINE
GRATING PANEL

#9573R TOP ANGLE
RIGHT HAND

#9573L TOP ANGLE
LEFT HAND

#13153 HEX BOLT 5/16-18 x 3/4"
#13051 LOCK NUT 5/16-18
#13182 SPRING LOCK WASHER 3/8"
(2 PER ANGLE)
2a) ASSEMBLE RISER PANEL TO TOP ANGLE

NOTE
AFTER THE TOP ANGLES ARE IN PLACE, LIFT TOP END OF THE RISER PANEL INTO POSITION WITH THE VERTICAL SURFACE OF THE RISER PANEL TO THE INSIDE OF THE TOP ANGLE AND THE SLOTTED TOP FLANGE TO THE OUTSIDE. REPEAT THIS PROCEDURE WITH THE OPPOSITE RISER PANEL. DURING THIS ASSEMBLY THE BOTTOM ENDS OF THE RISERS ARE TO REST ON THE FLOOR. DO NOT TIGHTEN BOLTS AT THIS POINT.

#13188 HEX HEAD BOLT 3/8"–16 x 3/4"
#13191 HEX NUT 3/8"–16
#13182 SPRING LOCKWASHER 3/8"
(2 PER TOP ANGLE)

2b) MOUNTING RISER PANEL TO FLOOR ANGLE

NOTE
WITH THE RISER PANEL FASTENED TO THE TOP ANGLE, RAISE LOWER END OF THE RISER PANEL FROM THE FLOOR AND FASTEN THE FLOOR ANGLE IN PLACE. TIGHTEN BOLTS SECURELY. StAIRWAY IS TO BE ANCHORED TO THE FLOOR BUT NOT UNTIL STAIRWAY IS COMPLETELY ASSEMBLED. FLOOR ANCHORS ARE TO BE FURNISHED BY OTHERS.

#13188 HEX HEAD BOLT 3/8"–16 x 3/4"
#13191 HEX NUT 3/8"–16
#13182 SPRING LOCKWASHER 3/8"
(2 PER FLOOR ANGLE)
3a) STAIR TREAD AND SUPPORT ANGLE ASSEMBLY

NOTE
TIGHTEN BOLTS SECURELY.

3b) FASTENING STAIR TREAD ASSEMBLY TO RISER

NOTE
STAIR TREAD NOT SHOWN FOR CLARITY. BOLT TREAD SUPPORT ANGLE TO HOLE 1 IN THE RISER PANEL. LEVEL TREAD SUPPORT ANGLE AND BOLT THE OTHER END OF ANGLE IN THIS POSITION. DO NOT TIGHTEN TREADS UNTIL ALL STAIR TREADS ARE IN PLACE.
**Sway Brace Assembly**

**For IBC9–11 Stairways**

- **Brace**
  - #6444 – 36” Wide Stairway
  - #6479 – 48” Wide Stairway
  - (Not required for IBC5–8 Stairways)

**Note**

Bolt one pair of braces in the second and fourth hole from the top.
Tighten bolts securely.

- #13153 Hex Bolt 5/16”–18 x 3/4”
- #13051 Lock Nut 5/16–18

(5 per pair of braces)

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**For IBC13 Through IBC20 Stairways**

- **Riser Panels**
  - (Note: Refer to 061ASY Instructions for (2) piece construction)

- **Brace**
  - #6444 – 36” Wide Stairway
  - #6479 – 48” Wide Stairway

- #13153 Hex Bolt

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**Note**

Bolt one pair of braces in the second and fourth hole from the top and a second pair of braces in the second and fourth holes from the bottom.
Tighten bolts securely.

- #13153 Hex Bolt 5/16–18 x 3/4”
- #13051 Lock Nut 5/16–18

(5 per pair of braces)
STAIR RAILING ASSEMBLY
RAILING POST ASSEMBLY

NOTE
INSERT POST THRU SLOT IN RISER PANEL SO THAT THE HOLES IN THE TOP OF THE POST ARE FACING TOWARD THE TOP OF THE STAIRWAY. BOLT POSTS TO RISERS AS SHOWN. DO NOT TIGHTEN THESE BOLTS UNTIL COMPLETE RAIL IS ASSEMBLED.

#13007 HEX HEAD BOLT 3/8"–16 x 2 3/4"
#13191 HEX NUT 3/8"–16
#13182 SPRING LOCKWASHER 3/8"
#13187 FLAT WASHER 3/8"(2 PER BOLT)

FULL SCALE

TOP HAND RAIL ASSEMBLY

ASSEMBLE POST BRACKET TO TOP HAND RAILS

#13127 THD. ROLLING SCREW

#15224 POST BRACKET

TOP RAIL

NOTE
INSTALL BRACKET SO IT POINTS TOWARD TOP END OF RAIL. TIGHTEN BOLTS SECURELY.

2a) FOR IBC5 THRU IBC7 STAIRWAYS

#13127 #8–32 X 7/16 PH. PAN HEAD THRD ROLLING SCREW (2 PER ASSEMBLY)

FULL SCALE
NOTE

BE SURE ALL POST BRACKETS ARE FASTENED SECURELY TO TOP HAND RAIL. LOWER TOP RAIL OVER TOPS OF POSTS WITH BRACKETS INSIDE. FASTEN IN PLACE SECURELY.

#13127 SCREW

#13127 #8-32 X 7/16 PH. PAN HEAD THRD ROLLING SCREW (2 PER ASSEMBLY)

FULL SCALE

2b) FOR IBC8 THROUGH IBC11 STAIRWAYS

TOP HAND RAIL ASSEMBLY TO VERTICAL POST

NOTE

ASSEMBLE POST BRACKET TO TOP HAND RAIL IN THE SAME WAY AS SHOWN AT STEP 2a. MAKE SURE ALL BRACKETS ARE TIGHTENED SECURELY TO TOP HAND RAIL AND FASTEN THE RAIL TO POSTS AS SHOWN.
**NOTE**

INSERT SLEEVE INTO BOTTOM END OF TOP HAND RAIL AS SHOWN. ALIGN THE UPPER SET OF HOLES IN THE SLEEVE WITH THE HOLES IN THE HAND RAIL. FASTEN IN PLACE AND TIGHTEN SECURELY.

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**NOTE**

ASSEMBLE POST BRACKET TO BOTTOM HAND RAIL. TIGHTEN THE BRACKET SECURELY. TELESCOPE THE END OF THE BOTTOM RAIL OVER THE SLEEVE EXTENDING FROM TOP HAND RAIL AND AT THE SAME TIME PLACE BOTTOM HAND RAIL POST BRACKET INSIDE POST. TIGHTEN ALL SCREWS SECURELY.
2c) FOR IBC13 THROUGH IBC20 STAIRWAYS

HAND RAIL ASSEMBLY TO VERTICAL POST

NOTE

ASSEMBLE POST BRACKETS TO TOP HAND RAIL AND ASSEMBLE TOP HAND RAIL TO POSTS AS SHOWN AT STEP 2b. ASSEMBLE SLEEVE INTO BOTTOM END OF TOP HAND RAIL AS SHOWN AT STEP 2b. ASSEMBLE POST BRACKET TO MIDDLE RAIL AS SHOWN AT STEP 2b. TELESCOPE THE END OF THE MIDDLE RAIL OVER THE SLEEVE EXTENDING FROM TOP HAND RAIL AND AT THE SAME TIME PLACE MIDDLE RAIL POST BRACKET INSIDE THE POST. TIGHTEN ALL SCREWS SECURELY.

NOTE

IBC17 AND IBC20 STAIRWAY HAND RAILS WILL HAVE 2 MIDDLE SECTIONS

#13143 PH. PAN HD SHEET METAL SCREW
#10-24 X 1/2”
(4 PER SLEEVE)

#13127 #8-32 X 7/16 PH. PAN HEAD THRD ROLLING SCREW
(2 PER ASSEMBLY)

#15401 SLEEVE
10” LONG

#13143 SCREW

#13127 SCREW

#15400 RAILING POST

SEE STEP 2b FOR TOP AND BOTTOM RAIL DIMENSIONS
ASSEMBLE BOTTOM HAND RAIL TO VERTICAL POST

NOTE

ASSEMBLE POST BRACKET TO BOTTOM HAND RAIL. Tighten bracket securely. ASSEMBLE SLEEVE INTO BOTTOM END OF MIDDLE RAIL AS SHOWN AT STEP 2b. TELESCOPE THE END OF BOTTOM HAND RAIL OVER THE SLEEVE EXTENDING FROM MIDDLE RAIL AND AT THE SAME TIME PLACE BOTTOM HAND RAIL POST BRACKET INSIDE POST. TIGHTEN ALL SCREWS SECURELY.

#15400 RAILING POST

#13143 SCREW

#15401T SLEEVE
10" LONG

#13143 PH. PAN HD SHEET METAL SCREW
#10-24 X 1/2"
(4 PER SLEEVE)

#13127 #8-32 X 7/16 PH. PAN HEAD THRD ROLLING SCREW
(2 PER ASSEMBLY)
NOTE
INSERT ALL BOLTS WITH THE HEAD TOWARD INSIDE STAIRWAY.
TIGHTEN ALL BOLTS SECURELY.
POST QUANTITIES WILL VARY DEPENDING ON THE STYLE OF STAIRWAY CHOSEN.

NOTE
SEE CHARTS ON PAGE 18–20 FOR TOP AND BOTTOM RAILING LENGTHS AND SEQUENCE OF ASSEMBLY

#911574H SCREW
#15475 END RAIL
#15475 END RAIL (MIRROR OF TOP)
#15417L COLLAR LEFT HAND
#15417R COLLAR RIGHT HAND
#13051 LOCK NUT

#911574H TRUSS HD MACH SCREW
5/16" – 18 X 2 1/2"

#13051 TWIN WHIZZ LOCKNUT
5/16" – 18
(3 PER PAIR OF COLLARS)
INSERT THE SLEEVES INTO THE RAIL ENDS AND SECURE WITH 13143 PAN HEAD SCREWS. SLIDE THE EXTENSIONS ONTO THE SLEEVES AND SECURE WITH 13143 SCREWS.
GUARD RAIL ASSEMBLY

1) ASSEMBLE POST EXTENSIONS TO RAILING POSTS

NOTE
INSERT ALL BOLTS WITH THE HEAD TOWARD INSIDE STAIRWAY.
DO NOT TIGHTEN BOLTS UNTIL COMPLETE GUARD RAIL IS ASSEMBLED.
POST QUANTITIES WILL VARY DEPENDING ON THE STYLE OF STAIRWAY PURCHASED.

#13204 PHILLIPS TRUSS HD MACH. SCREW
1/4-20 X 6” LONG (4 PER EXTENSION)

#13132 1/4” FLAT WASHER (8 PER EXTENSION)

#13131 1/4-20 HEX NUT (4 PER EXTENSION)
2) ASSEMBLE GUARD RAIL TO POST EXTENSIONS

NOTE

3) RAIL PLUG, POST PLUG AND SLOT COVER ASSEMBLY

INSTALL RAILING PLUGS AT THE TOP AND BOTTOM OF THE GUARD RAIL.
INSTALL POST PLUGS IN BOTTOM OF POST EXTENSIONS AND IN VISIBLE BOTTOM ENDS OF THE RAILING POSTS.
FIELD CUT SLOT COVER AND INSTALL IN THE TOP HAND RAIL AND GUARD RAILS ONLY. SLOT COVERS FOR THE RAIL EXTENSIONS ARE FACTORY PRE-CUT; INSTALL AS SHOWN.
NOTE
REFER TO 62ASY
FOR RISER COVER ASSEMBLY INSTRUCTIONS
**IBC5 – IBC7 RAILING CHART**

**IBC8 – IBC11 RAILING CHART**

### Table: IBC5 – IBC7 Railing Chart

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<th>STAIRWAY</th>
<th>TOP RAIL</th>
<th>LENGTH</th>
<th>GUARD RAIL</th>
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<th>INTER. RAIL</th>
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<td>15473UR</td>
<td>64–7/16&quot;</td>
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<td>45–1/32&quot;</td>
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<td>77–15/32&quot;</td>
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<td>58–1/16&quot;</td>
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<td>15470UR</td>
<td>90–1/2&quot;</td>
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<td>90–1/2&quot;</td>
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### Table: IBC8 – IBC11 Railing Chart

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<td>IBC8</td>
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<td>49–31/32&quot;</td>
<td>15471UR</td>
<td>53–9/16&quot;</td>
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<td>53–9/16&quot;</td>
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IBC13 – IBC15 RAILING CHART

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