216ASY
EQUIPTO

OSHA 'F' – 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 (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

#9556R TOP ANGLE RIGHT HAND

#13153 SCREW

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

12" WIDE MEZZANINE GRATING PANEL

#78254L HANGER BRACKET LEFT HAND

#78254R HANGER BRACKET RIGHT HAND

#13184 SQUARE HEAD BOLT 5/16"–18 x 2"

#13051 LOCKNUT 5/16"–18

#13182 SPRING LOCKWASHER 3/8"

(3 PER BRACKET)

FULL SCALE

ASSEMBLE TOP ANGLE TO HANGER BRACKET

12" WIDE MEZZANINE GRATING PANEL

#9556R TOP ANGLE RIGHT HAND

#9556L TOP ANGLE LEFT HAND

#13153 HEX BOLT

#13153 HEX BOLT 5/16–18 x 3/4"

#13051 LOCK NUT 5/16–18

#13182 SPRING LOCKWASHER 3/8"

(2 PER ANGLE)

FULL SCALE
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)

FULL SCALE

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 BASE ANGLE IN PLACE. AFTER INSTALLING STAIR TREADS MOVE BOLTS IN RISER PANEL TO MAKE BOTTOM STEP EQUAL TO OTHER STEPS. 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)

FULL SCALE
3a) STAIR TREAD AND SUPPORT ANGLE ASSEMBLY

STAIR TREAD

#13152 HEX BOLT

TREAD SUPPORT ANGLE
#9555 - 9” TREAD

NOTE
TIGHTEN BOLTS SECURELY.

3b) FASTENING STAIR TREAD ASSEMBLY TO RISER

RISER PANEL

#13188 HEX BOLT

TREAD SUPPORT ANGLE

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.

#13188 HEX HEAD BOLT 3/8”-16 x 3/4”
#13191 HEX NUT 3/8”-16
#13182 SPRING LOCKWASHER 3/8”

(2 PER SUPPORT ANGLE)

FULL SCALE
SWAY BRACE ASSEMBLY

FOR F08 THROUGH F10 STAIRWAYS

NOTE:
NO BRACE NEEDED FOR F04 THROUGH F07 STAIRWAYS.

BRACE
#6492 - 24" WIDE STAIRWAY
#6493 - 30" WIDE STAIRWAY
#6494 - 36" WIDE STAIRWAY
#6459 - 48" WIDE STAIRWAY

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)

FULL SCALE

FOR F11 THROUGH F17 STAIRWAYS

RISER PANELS
(NOTE: REFER TO 061ASY INSTRUCTIONS FOR (2) PIECE CONSTRUCTION)

BRACE
#6492 - 24" WIDE STAIRWAY
#6493 - 30" WIDE STAIRWAY
#6494 - 36" WIDE STAIRWAY
#6459 - 48" WIDE STAIRWAY

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 HOLE 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)

FULL SCALE
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 TOP OF THE STAIRWAY. BOLT POSTS TO RISER PANEL 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

2a) FOR F04 THROUGH F10 STAIRWAYS
POST BRACKET ASSEMBLY TO TOP HAND RAILS

#13127 THD. ROLLING SCREW

#15224 POST BRACKET

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

#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 RAIL. LOWER TOP RAIL OVER TOPS OF POSTS WITH BRACKETS INSIDE. FASTEN IN PLACE SECURELY.

TOP HAND RAIL

#13127 SCREW

RISER PANEL

#15430 RAILING POST

#13127 #8–32 X 7/16 PH. PAN HEAD THR RD ROLLING SCREW (2 PER ASSEMBLY)
2b) FOR F11 THROUGH F12 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.
SLEEVE ASSEMBLY INTO TOP HAND RAIL

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.

BOTTOM HAND RAIL ASSEMBLY TO VERTICAL POST

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 F14 THROUGH F17 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.

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

FULL SCALE

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

FULL SCALE

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.

#15401T SLEEVE
10" LONG

#13143 SCREW

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

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

#15430 RAILING POST
3a) FOR F04 THROUGH F7 STAIRWAYS

NOTE
RISER NOT SHOWN FOR CLARITY.
INSERT ALL BOLTS WITH THE HEAD TOWARD THE INSIDE OF THE STAIRWAY.
DO NOT TIGHTEN FASTENERS UNTIL ALL BOTTOM AND END RAILS HAVE BEEN INSTALLED.

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

TOP RAIL

#15417L COLLAR LEFT HAND

END RAIL 15475

INTERMEDIATE RAIL

#15417R COLLAR RIGHT HAND

15475 END RAIL (MIRROR OF TOP)

#911574H SCREW
#13051 LOCKNUT
(3) PER COLLAR ASSEMBLY

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

#13051 LOCKNUT
5/16” – 18

(3 PER PAIR OF COLLARS)
3b) FOR F8 THROUGH F12 STAIRWAYS
F14 AND F17 STAIRWAYS WILL HAVE (4) POST LOCATIONS

NOTE
RISER NOT SHOWN FOR CLARITY.
INSERT ALL BOLTS WITH THE HEAD TOWARD THE INSIDE OF THE STAIRWAY.
DO NOT TIGHTEN FASTENERS UNTIL ALL BOTTOM AND END RAILS HAVE BEEN INSTALLED.

#911574H TRUSS HD MACH SCREW
5/16" - 18 X 2 1/2"
#13051 LOCKNUT
5/16" - 18
(3 PER PAIR OF COLLARS)
NOTE
INSTALL RAILING PLUGS IN BOTH ENDS OF TOP AND BOTTOM RAILS.
INSTALL POST PLUGS IN VISIBLE BOTTOM ENDS OF THE RAILING POSTS.
FIELD CUT SLOT COVER AND INSTALL IN TOP RAIL ONLY.
F11–F12 RAILING CHART

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<th>'B'</th>
<th>LENGTH</th>
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F14–F17 RAILING CHART

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