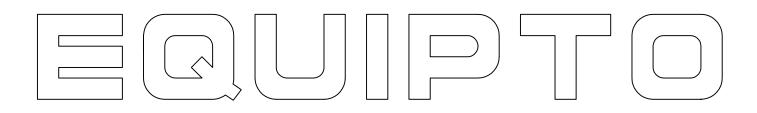
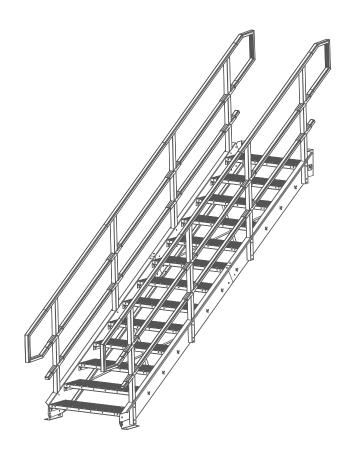
REVISED 1/28/15 214ASY

214ASY



BOCA 'U' - SERIES STAIRWAY ASSEMBLY INSTRUCTIONS



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TABLE OF CONTENTS

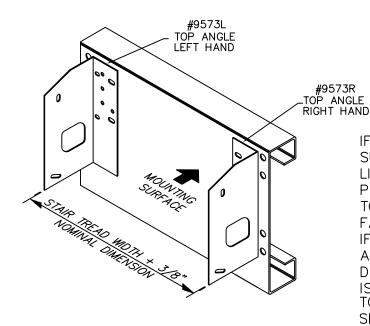
STAIMMAL ASSEMBLI	STAIRWAY	ASSEMBLY
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1.	TOP ANGLE ASSEMBLY	PAGE	3
	1a. MOUNTING TOP ANGLE TO BUILDING STRUCTURE		
	15. MOUNTING TOP ANGLE TO JEON CRIP LIPPICHT		
	1c. MOUNTING TOP ANGLE TO IRON GRIP UPRIGHT		
	1e. MOUNTING TOP ANGLE TO GRATING		
2.	RISER PANEL ASSEMBLY	PAGE	5
	2a. ASSEMBLE RISER PANEL TO TOP ANGLE		
3.			
	3a. STAIR TREAD AND SUPPORT ANGLE ASSEMBLY		
	3b. FASTENING STAIR TREAD ASSEMBLY TO RISER		
4.	SWAY BRACE ASSEMBLY	PAGE	7
ST_{ℓ}	AIR RAILING ASSEMBLY		
1.	RAILING POST ASSEMBLY	PAGE	8
2.	TOP RAIL ASSEMBLY	PAGE	8
	2a. FOR U5 THROUGH U7 STAIRWAYS	PAGE	8
	2b. FOR U8 THROUGH U11 STAIRWAYS	PAGE	10
7	2c. FOR U13 THROUGH U20 STAIRWAYS		
	INTERMEDIATE AND END RAILS ASSEMBLY		
4.	END EXTENSION ASSEMBLY		
	RAIL PLUG, POST PLUG & SLOT COVER ASSEMBY		
6.	G 17 (11 (17) (12) (13) (13) (13) (13) (13) (13) (13) (13		
	FOR U5 THROUGH U7 STAIRWAYS		
	FOR U8 THROUGH U11 STAIRWAYS		
	FOR U17 AND U20 STAIRWAYS		

STAIRWAY ASSEMBLY

TOP ANGLE ASSEMBLY

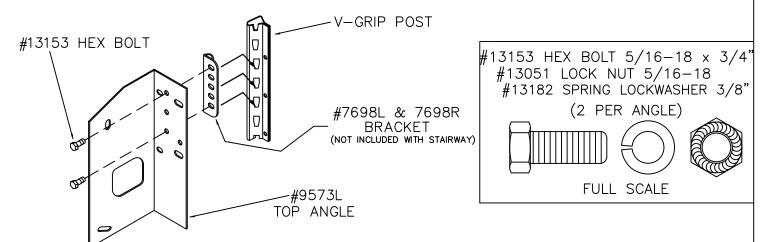
1a) MOUNTING TOP ANGLE TO BUILDING STRUCTURE



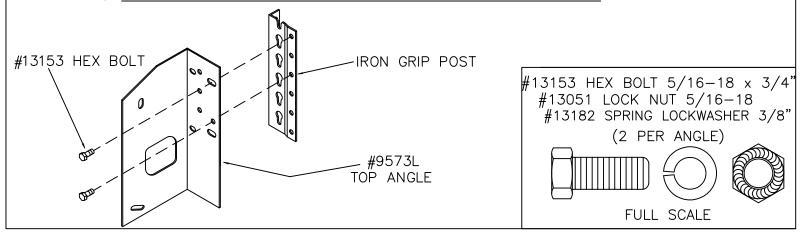
NOTE

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 EQUIPTO MEZZANINE SEE MEZZANINE INSTRUCTIONS.

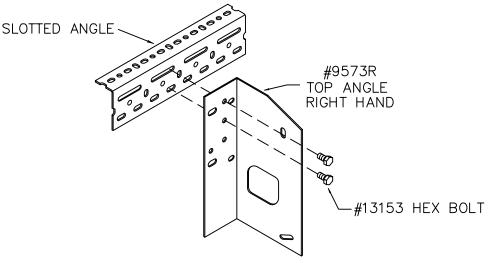
1b) MOUNTING TOP ANGLE TO V-GRIP UPRIGHT

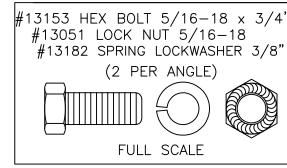


1c) MOUNTING TOP ANGLE TO IRON GRIP UPRIGHT



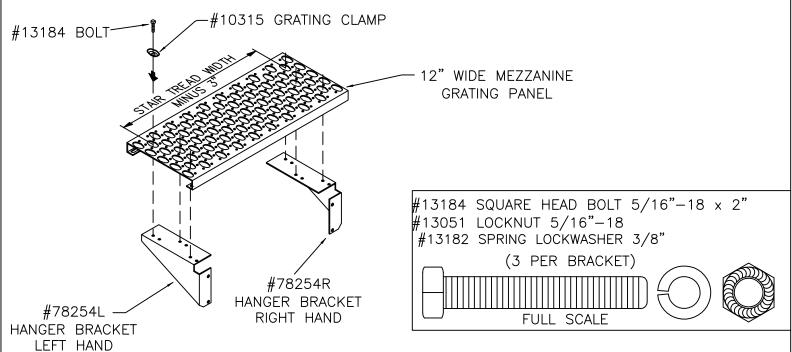
1d) MOUNTING TOP ANGLE TO SLOTTED ANGLE



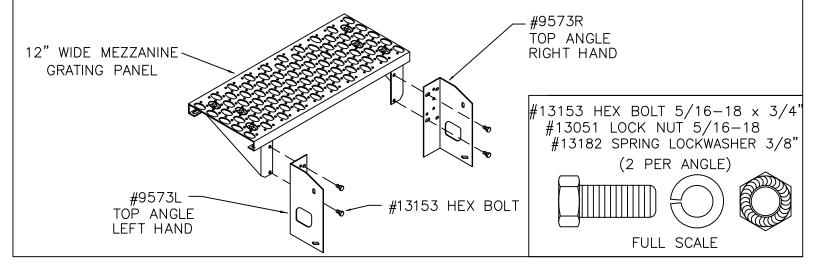


1e) MOUNTING TOP ANGLE TO GRATING

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



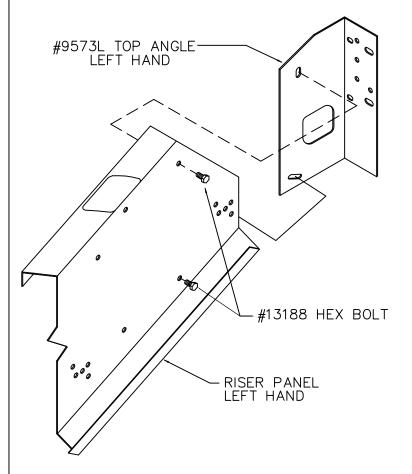
ASSEMBLE TOP ANGLE TO HANGER BRACKET





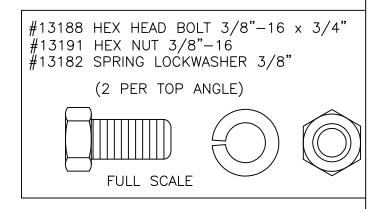
RISER PANEL ASSEMBLY

2a) ASSEMBLE RISER PANEL TO TOP ANGLE

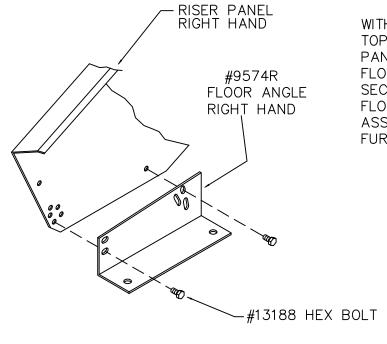


NOTE

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.



2b) MOUNTING RISER PANEL TO FLOOR ANGLE

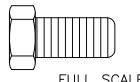


NOTE

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 $3/8"-16 \times 3/4"$ #13191 HEX NUT 3/8"-16 #13182 SPRING LOCKWASHER 3/8"

> > (2 PER FLOOR ANGLE)





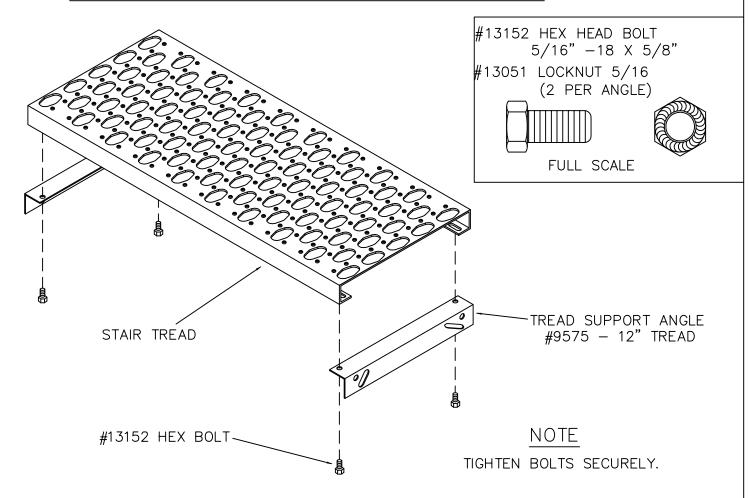


FULL SCALE

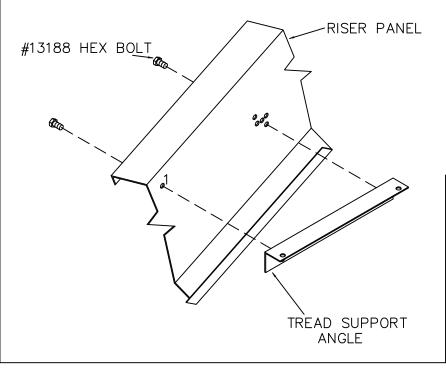
(3)

STAIR TREAD ASSEMBLY

3a) STAIR TREAD AND SUPPORT ANGLE ASSEMBLY



3b) FASTENING STAIR TREAD ASSEMBLY TO RISER

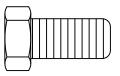


NOTE

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.

#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)







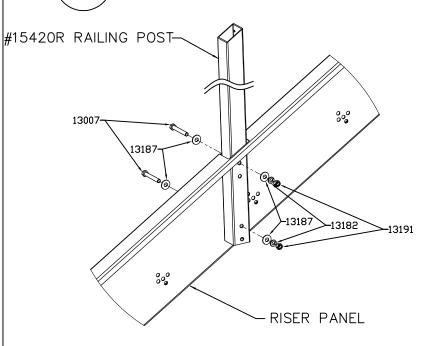
FULL SCALE

FULL SCALE

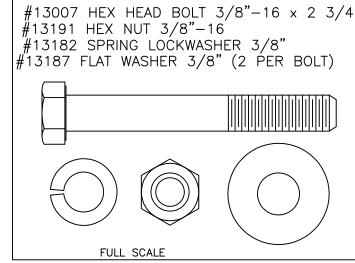
SWAY BRACE ASSEMBLY FOR U9 THROUGH U11 STAIRWAYS 一BRACE #6444 - 36" WIDE STAIRWAY #6479 - 48" WIDE STAIRWAY (NÖT REQUIRED FOR U5-8 STAIRWAYS) RISER PANEL NOTE BOLT ONE PAIR OF BRACES IN THE SECOND AND FOURTH HOLE FROM THE TOP. TIGHTEN BOLTS SECURELY. #13153 HEX BOLT 5/16"-18 x 3/4" #13051 LOCK NUT 5/16-18 (5 PER PAIR OF BRACES) FULL SCALE _ #13153 HEX BOLT FOR U13 THROUGH U20 STAIRWAYS NOTE BOLT ONE PAIR OF BRACES IN THE SECOND AND FOURTH HOLE FROM RISER PANELS THE TOP AND A SECOND PAIR OF BRACES IN THE SECOND AND (NOTE: REFER TO 061ASY FOURTH HOLES FROM THE BOTTOM. INSTRUCTIONS FOR (2) TIGHTEN BOLTS SECURELY. PIECE CONSTRUCTION) BRACE #6444 - 36" WIDE STAIRWAY "46479 - 48" WIDE STAIRWAY - #13153 HEX BOLT #13153 HEX BOLT 5/16"-18 x 3/4" #13051 LOCK NÚT 5/16-18 (5 PER PAIR OF BRACES)

STAIR RAILING ASSEMBLY RAILING POST ASSEMBLY

NOTE

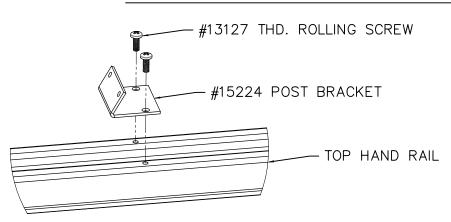


INSERT POST THRU SLOT IN RISER PANEL SO THAT THE HOLES IN THE TOP OF THE POST ARE FACING TOWARD TOP OF THE STAIRWAY. BOLT POSTS TO RISER PANEL AS SHOWN DO NOT TIGHTEN THESE BOLTS UNTIL COMPLETE RAIL IS ASSEMBLED.



TOP HAND RAIL ASSEMBLY

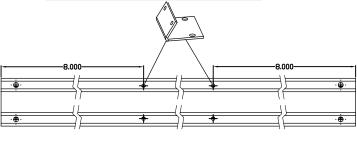
ASSEMBLE POST BRACKET TO TOP HAND RAILS



NOTE

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

2a) FOR U5 THRU U7 STAIRWAYS



TOP HAND RAIL

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

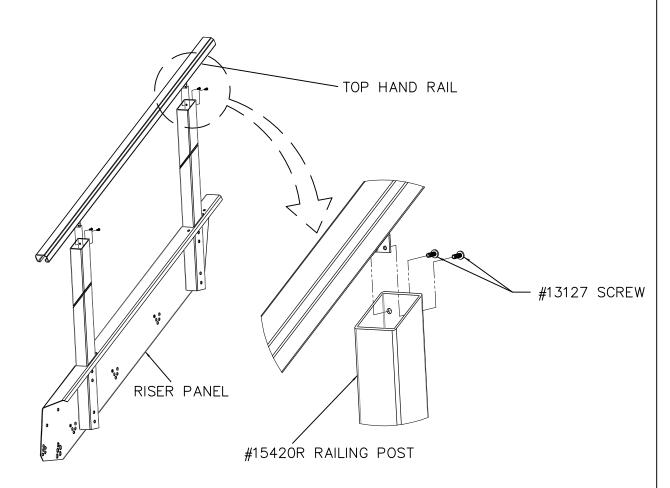


FULL SCALE

TOP HAND RAIL ASSEMBLY TO VERTICAL POSTS

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.



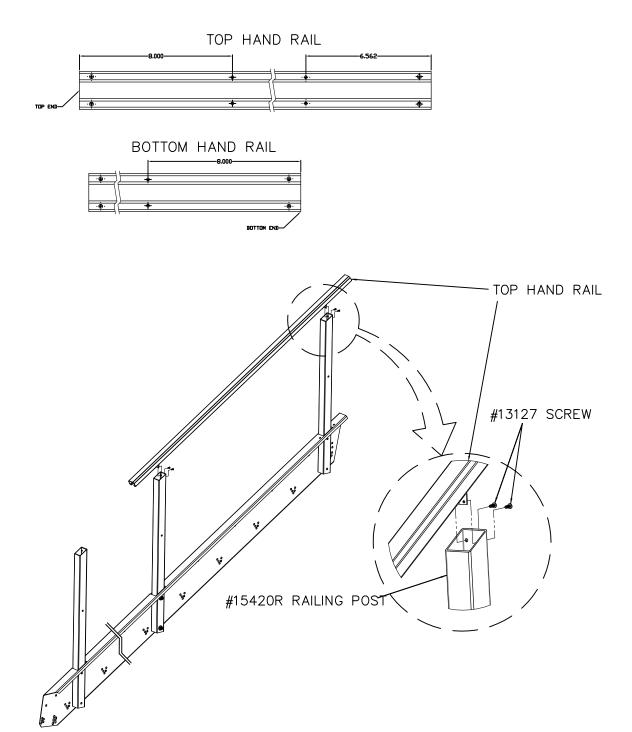
#13127 #8-32 X 7/16 PH. PAN HEAD THRD ROLLING SCREW (2 PER ASSEMBLY)



FULL SCALE

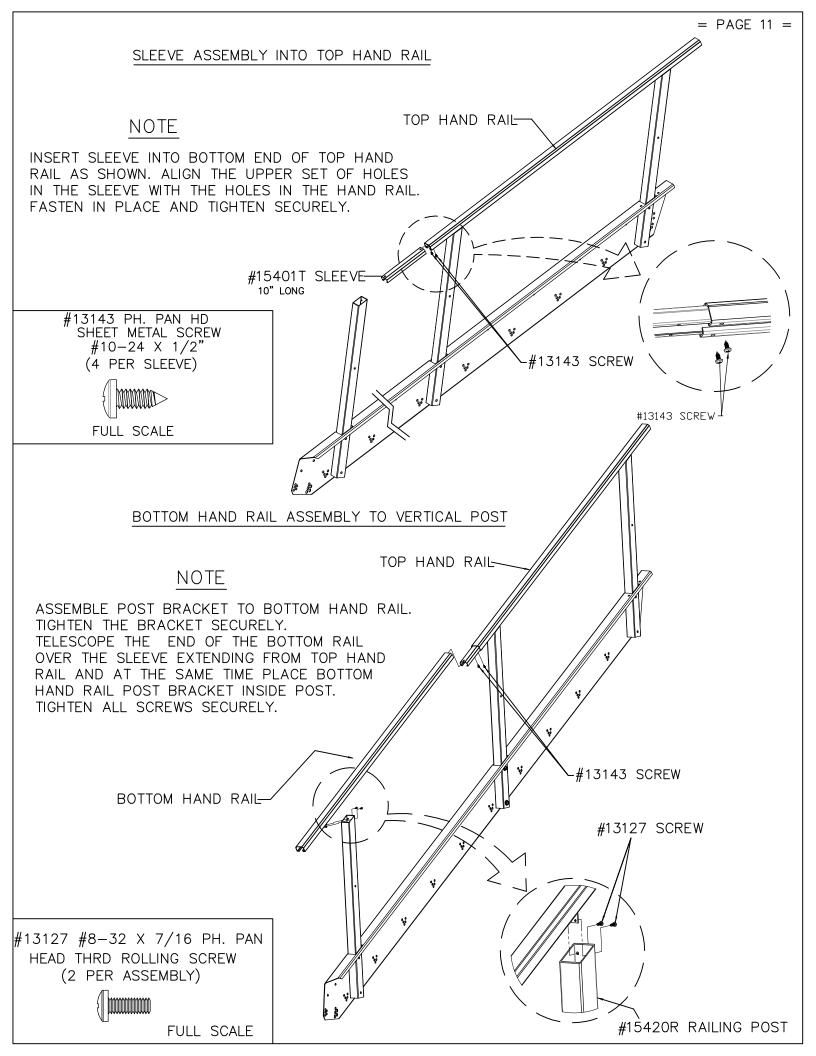
TOP HAND RAIL ASSEMBLY TO VERTICAL POSTS

2b) FOR U8 THROUGH U11 STAIRWAYS TOP HAND RAIL ASSEMBLY TO VERTICAL POST



NOTE

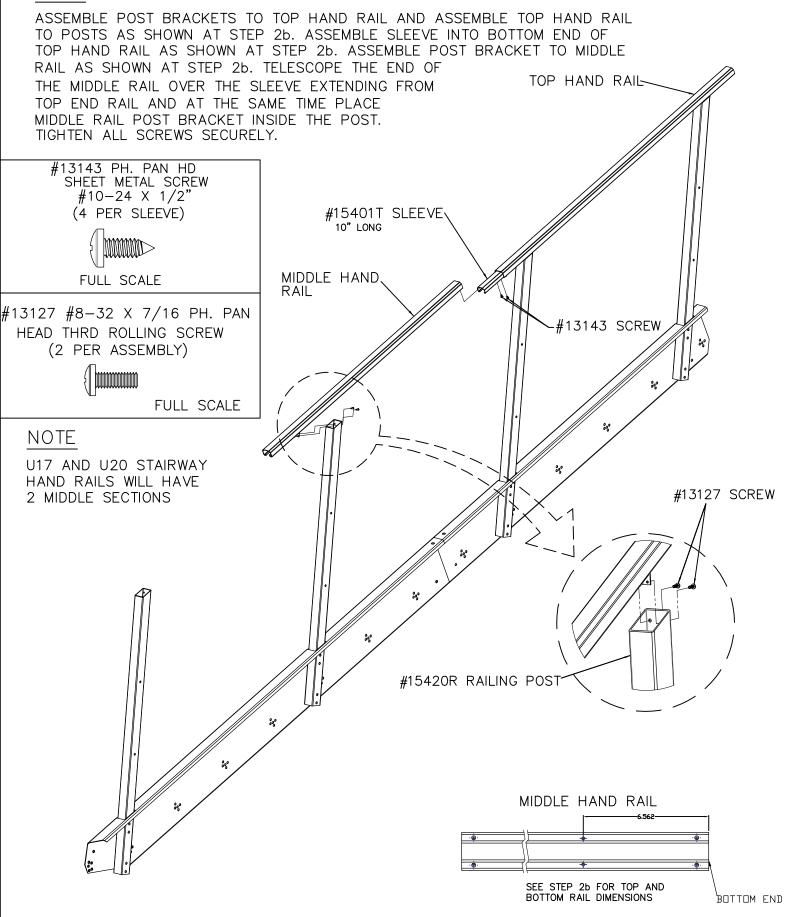
ASSEMBLE POST BRACKET TO TOP HAND RAIL IN THE SAME WAY AS SHOWN AT STEP 2a. MAKE SURE ALL BRACKETS ARE TIGHTENED SECURELY TO TOP HAND RAIL AND FASTEN THE RAIL TO POSTS AS SHOWN.

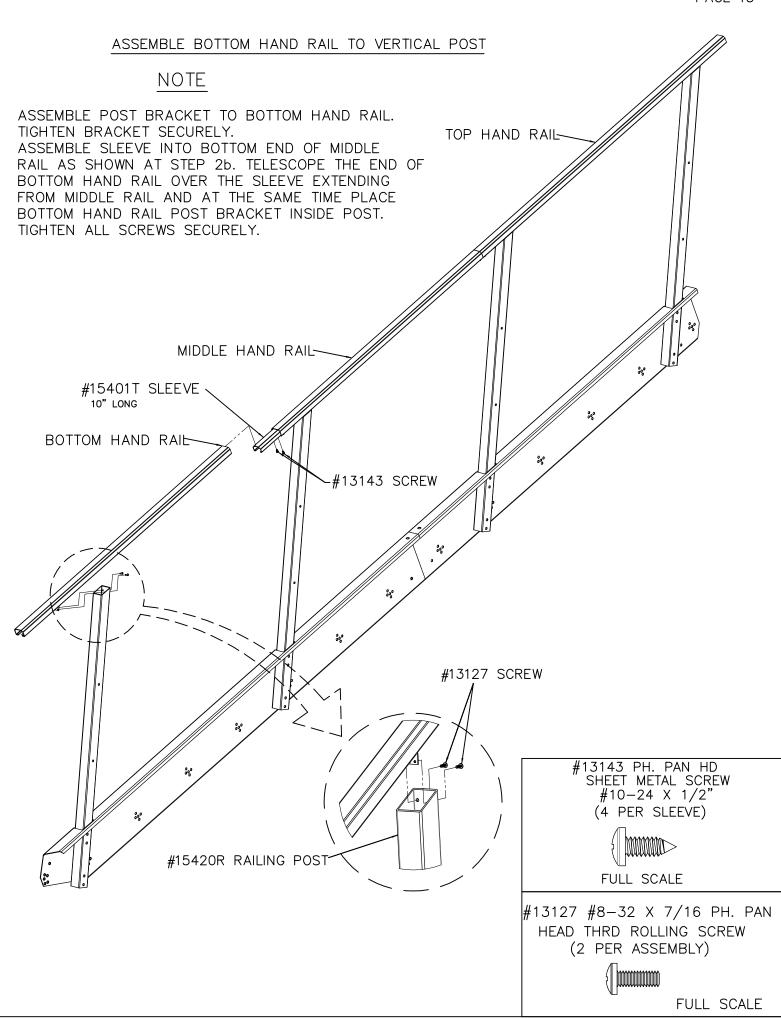


2c) FOR U13 THROUGH U20 STAIRWAYS

HAND RAIL ASSEMBLY TO VERTICAL POST

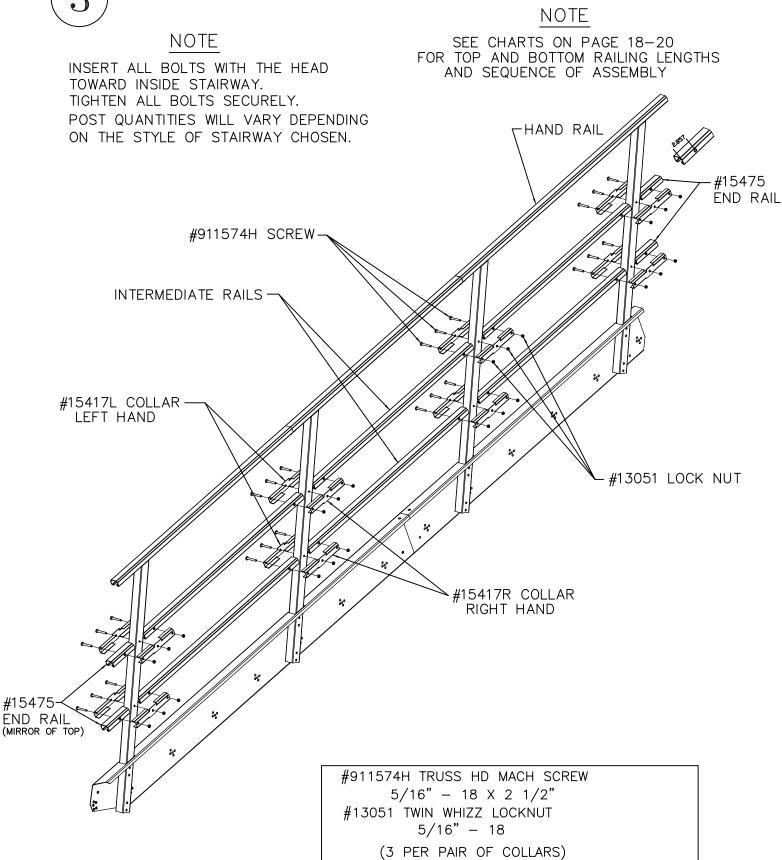
NOTE



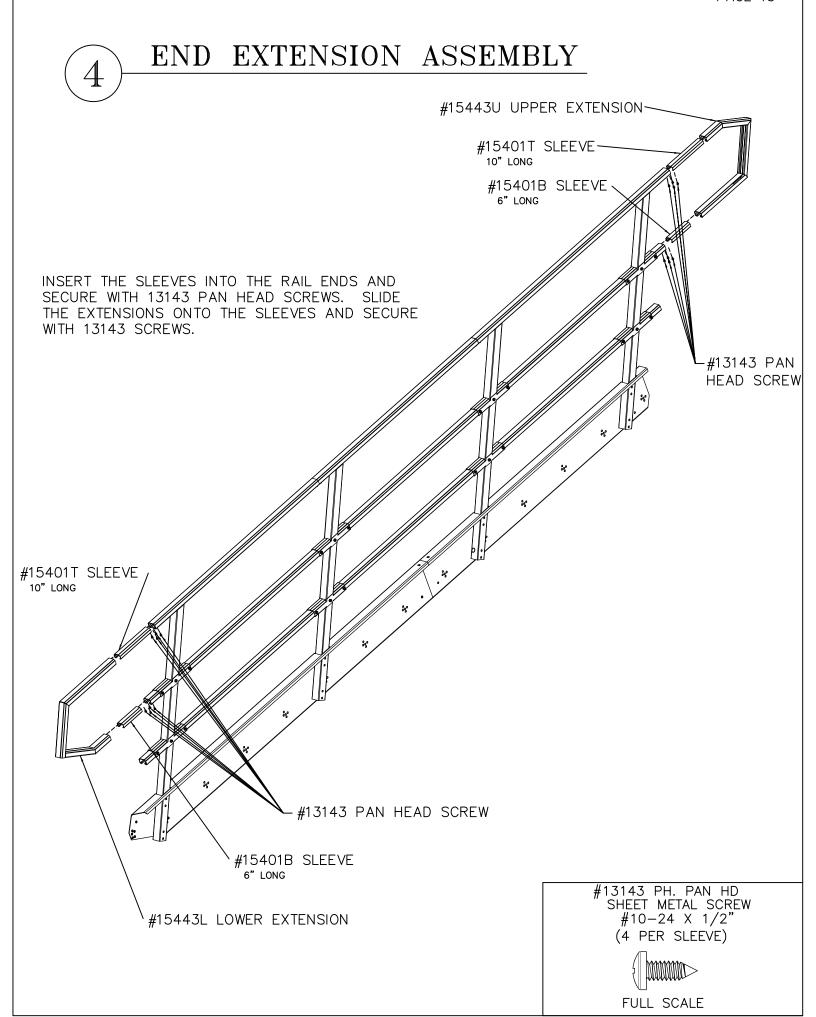


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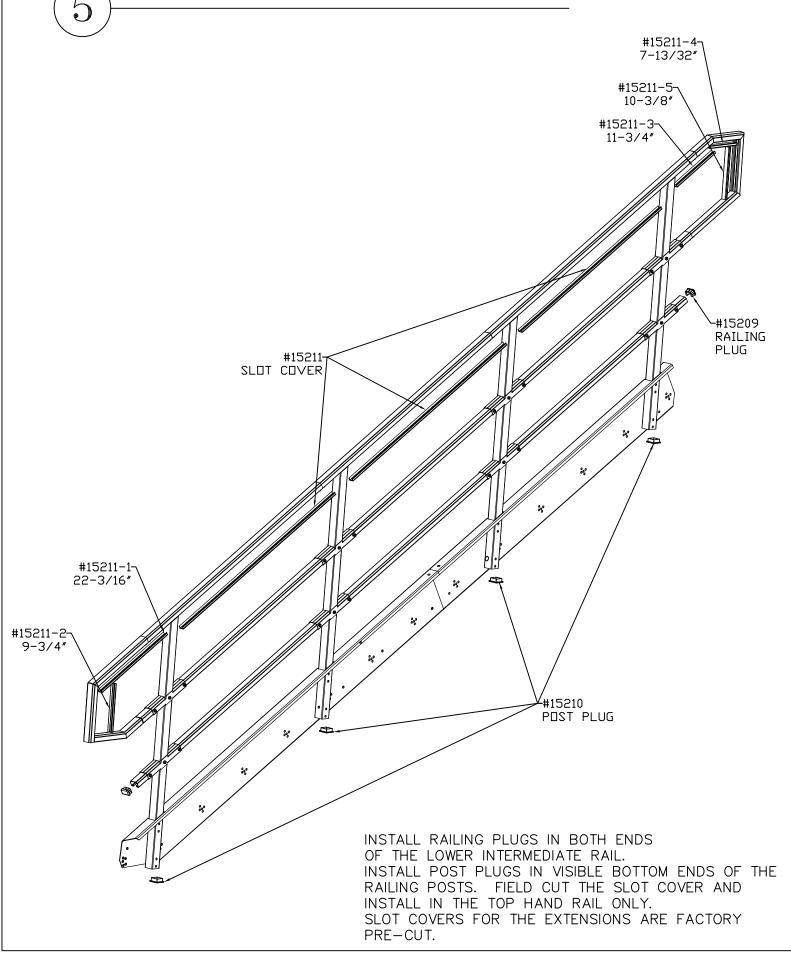
INTERMDIATE AND END RAIL ASSEMBLY

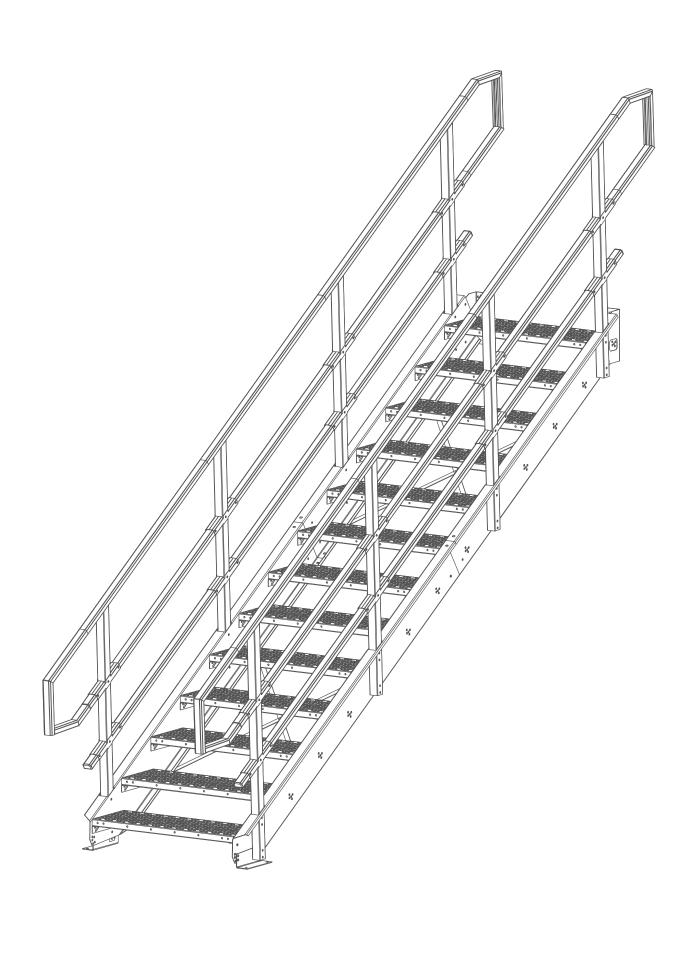


FULL SCALE

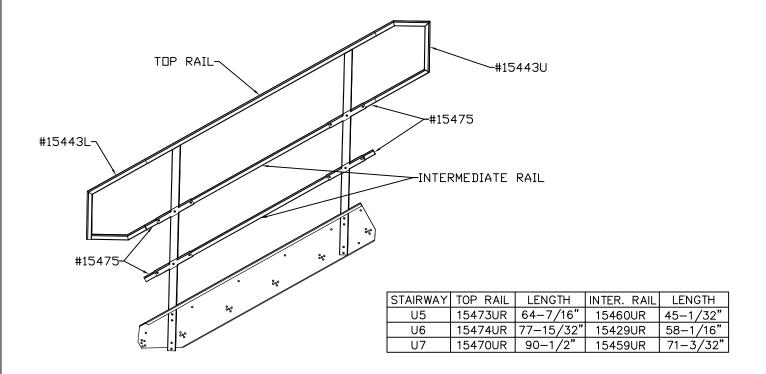


RAIL PLUG, POST PLUG AND SLOT COVER ASSEMBLY

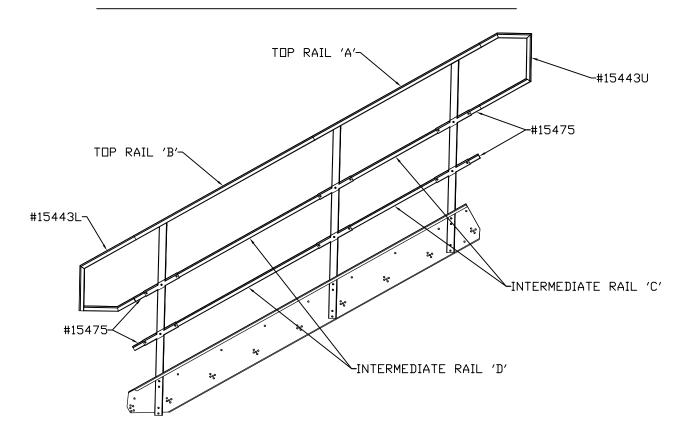




U5 - U7 RAILING CHART

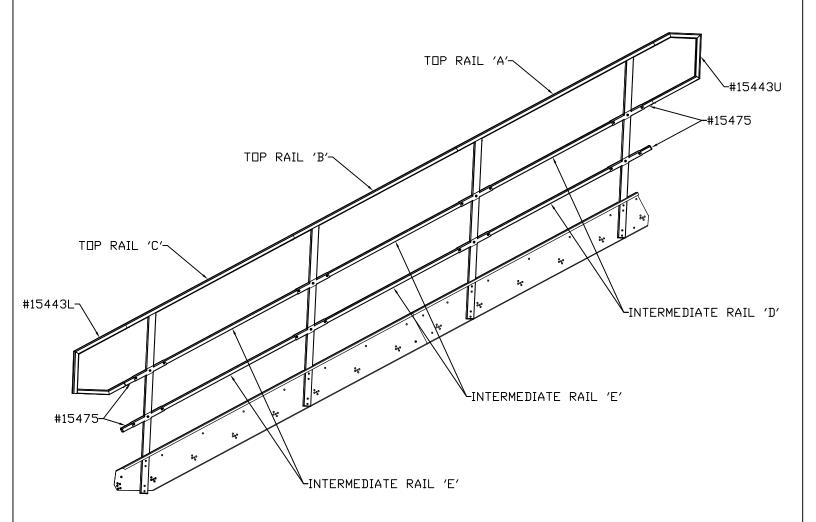


U8 - U11 RAILING CHART



STAIRWAY	'A'	LENGTH	'B'	LENGTH	'c'	LENGTH	'D'	LENGTH
8U	15471UR	49-31/32"	15471LR	53-9/16"	15471UL	32"	15472UL	48-23/32"
U9	15457UR	63 "	15471LR	53-9/16"	15460UR	45-1/32"	15472UL	48-23/32"
U11	15468UR	76-1/32"	15457LR	66-19/32"	15429UR	58-1/16"	15460LR	61-3/4"

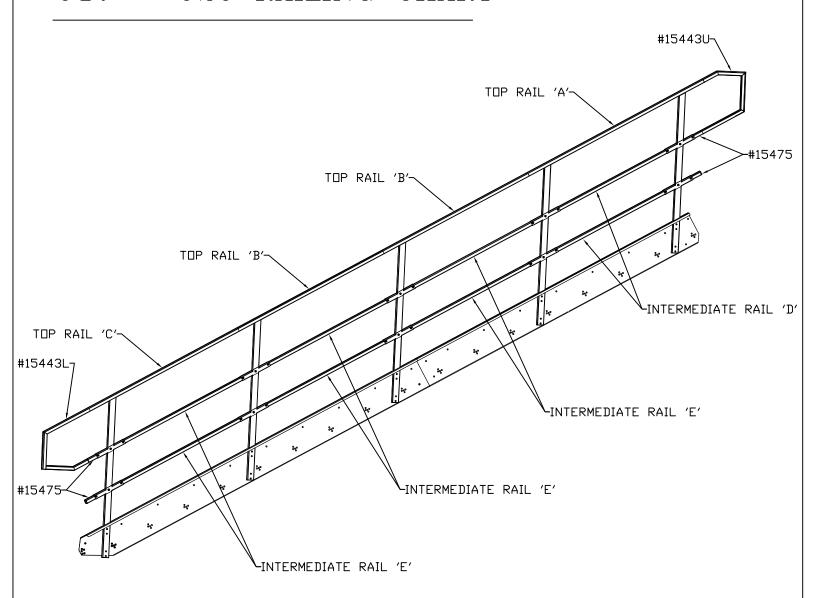
U13 - U15 RAILING CHART



STAIRWAY	'A'	LENGTH	'B'	LENGTH	,c,	LENGTH
U13	15457UR	63 "	15447MR	52-5/32"	15471LR	53-9/16"
U15	15457UR	63"	15457MR	65-5/32"	15457LR	66-19/32"

STAIRWAY	,D,	LENGTH	'E'	LENGTH
U13	15460UR	45-1/32"	15472UL	48-23/32"
U15	15460UR	45-1/32"	15460LR	61-3/4"

U17 - U20 RAILING CHART



STAIRWAY	'A'	LENGTH	'B'	LENGTH	,C,	LENGTH
U17	15457UR	63"	15447MR	52-5/32"	15471LR	53-9/16"
U20	15457UR	63"	15457MR	65-5/32"	15457LR	66-19/32"

STAIRWAY	,D,	LENGTH	'E'	LENGTH
U17	15460UR	45-1/32"	15472UL	48-23/32"
U20	15460UR	45-1/32"	15460LR	61-3/4"