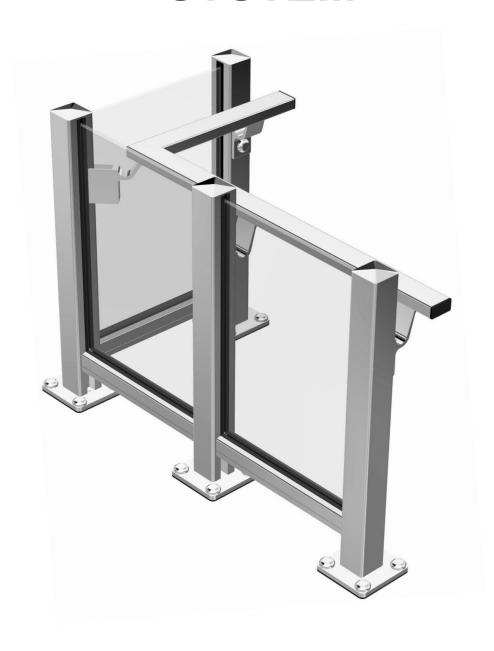
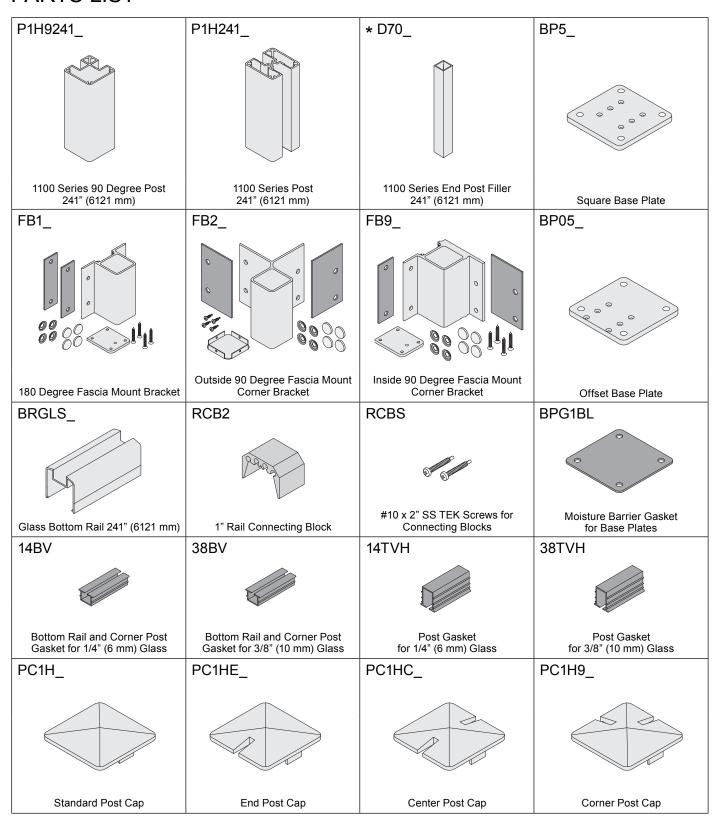
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CRL / HANSEN 1100 SERIES ALUMINUM RAILING SYSTEM





PARTS LIST



^{*} Special order only. Available through Technical Sales at (800) 421-6144.



PARTS LIST (CONTINUED)

BTN1_	WSHR1	WSHR2	BPS112
			EDITIONIA
Standard Bolt Button Covers	Base Plate Button Washer for Lag Bolts	Handrail Button Washer for Brackets	#14 x 1-1/2" SS PFHS for Bottom Fascia Plate
TEK1	TEK2	LB350	LB600
Oppose.			
#8 x 3/4" PH TEK Screw Rail to Connectors	#14 x 1" HH TEK Screw Mount Brackets, Post to Fascia	3/8" x 3-1/2" Lag Bolt for Wooden Substrate	3/8" x 6" Lag Bolt for Wooden Substrate
ARHBH_	ARHEC_	ARHRH_	ARH90_
Grab Rail Bracket	Grab Rail End Cap	1" (25 mm) x 2" (51 mm) Grab Rail 241" (6121 mm)	12" (305 mm) x 12" (305 mm) Welded Grab Rail Corner
ARHB1_	AR1EC_	ARHR15_	AR90_
Bracket for 1-1/2" (38 mm) Tubular Grab Rail	End Cap for 1-1/2" (38 mm) Tubular Grab Rail	1-1/2" (38 mm) Tubular Grab Rail 241" (6121 mm)	12" (305 mm) x 12" (305 mm) Welded Corner 1-1/2" (38 mm) Tubular Grab Rail
RCB36	ТСРН	*	
Splice for 1-1/2" Tubular Grab Rail	Splice Sleeve for 1" Grab Rail	Corner Splice Sleeve for 1" Grab Rail	

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ORDER OF ASSEMBLY AND INSTALLATION

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IMPORTANT: READ THIS MANUAL THOROUGHLY BEFORE BEGINNING INSTALLATION.

SYSTEM LIMITATIONS

Maximum Spacing Between Posts for Typical Installation:

Surface Mount: 48" (1219 mm) between Posts.

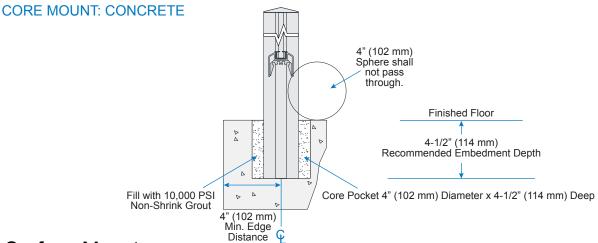
Fascia Mount: 48" (1219 mm) between Posts.

Core or Stanchion Mount: 48" (1219 mm) between Posts.



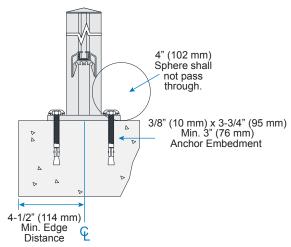
POST MOUNTING OPTIONS

Core Mount



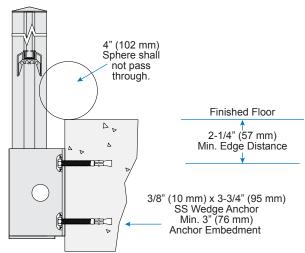
Surface Mount

SURFACE MOUNT: CONCRETE

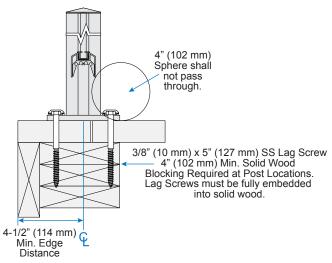


Fascia Mount

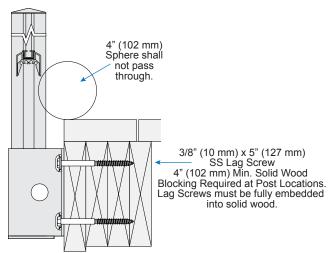
FASCIA MOUNT: CONCRETE



SURFACE MOUNT: WOOD



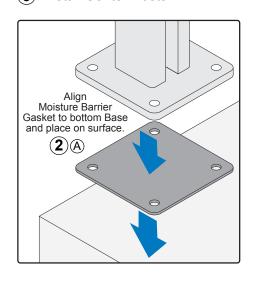
FASCIA MOUNT: WOOD

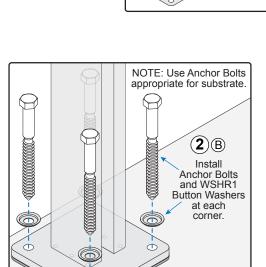


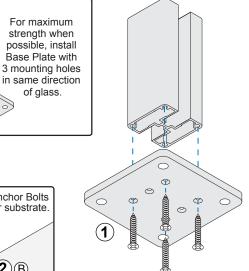


POST INSTALLATION **Surface Mount**

- 1 Attach Base Plate to Post with included screws.
- (2) Install End or Corner Posts.
- (3) Install Center Posts.

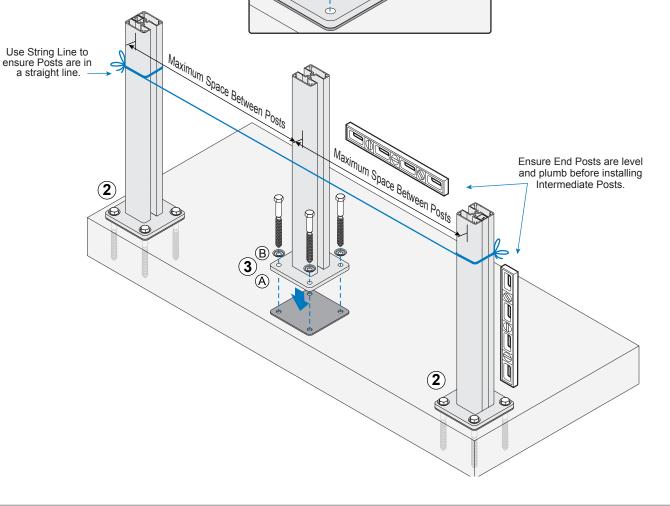






of glass.

NOTE: Lubricate screws before installing for easy assembly.



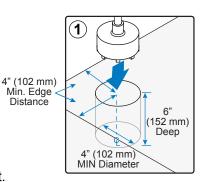


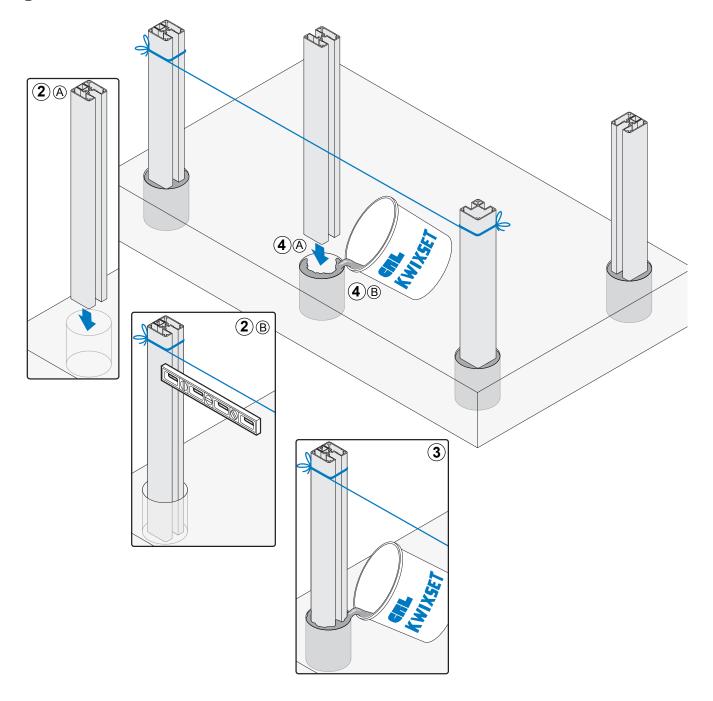
POST INSTALLATION (CONTINUED) **Core Mount**

- (1) Core holes for each post.
- 2 Place End and Corner Posts. Level and plumb.

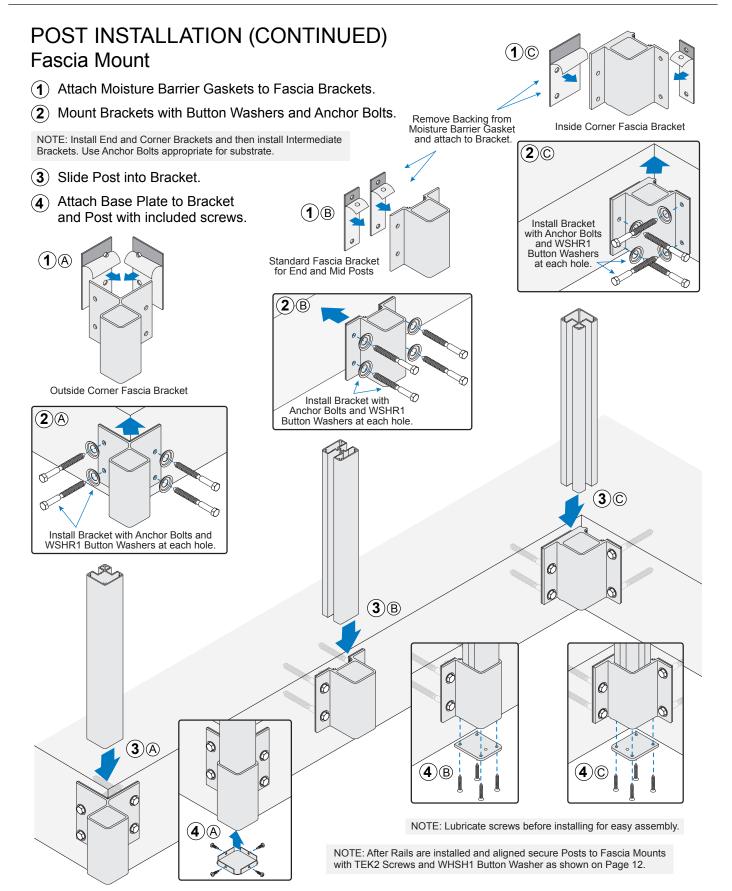
NOTE: Use String Line to ensure Posts are plumb.

- (3) Fill cavity with Cat. No. KWX50 Kwixset Cement.
- (4) Install Center Posts and fill cavity with Cat. No. KWX50 Kwixset Cement.

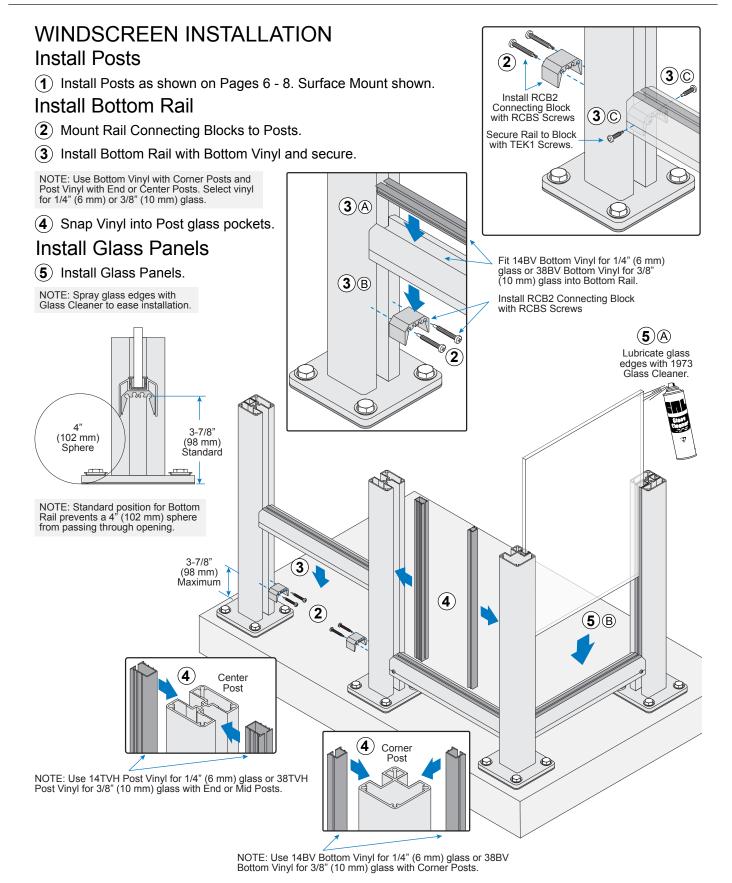




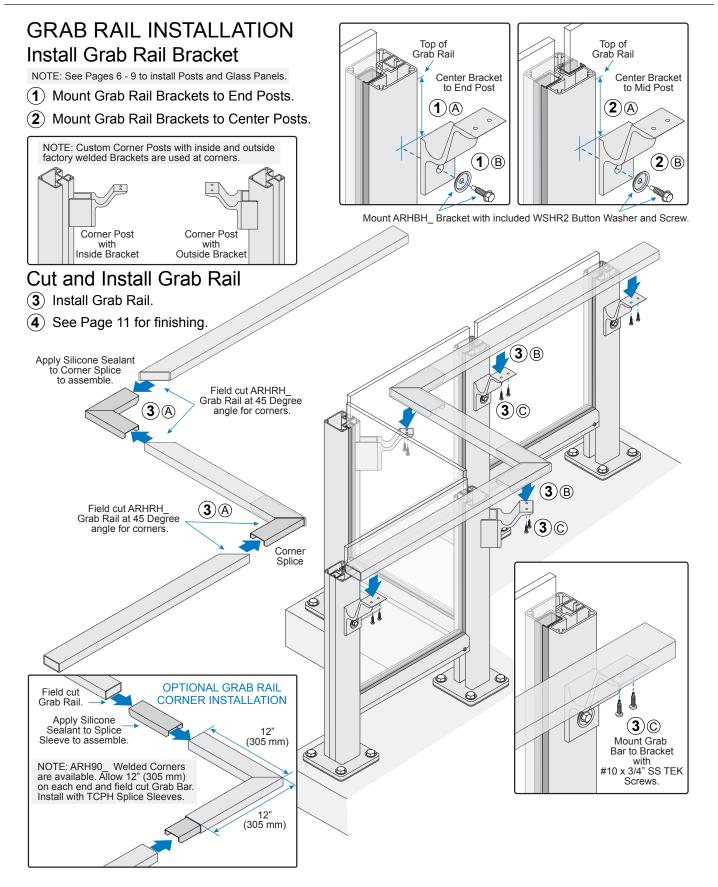




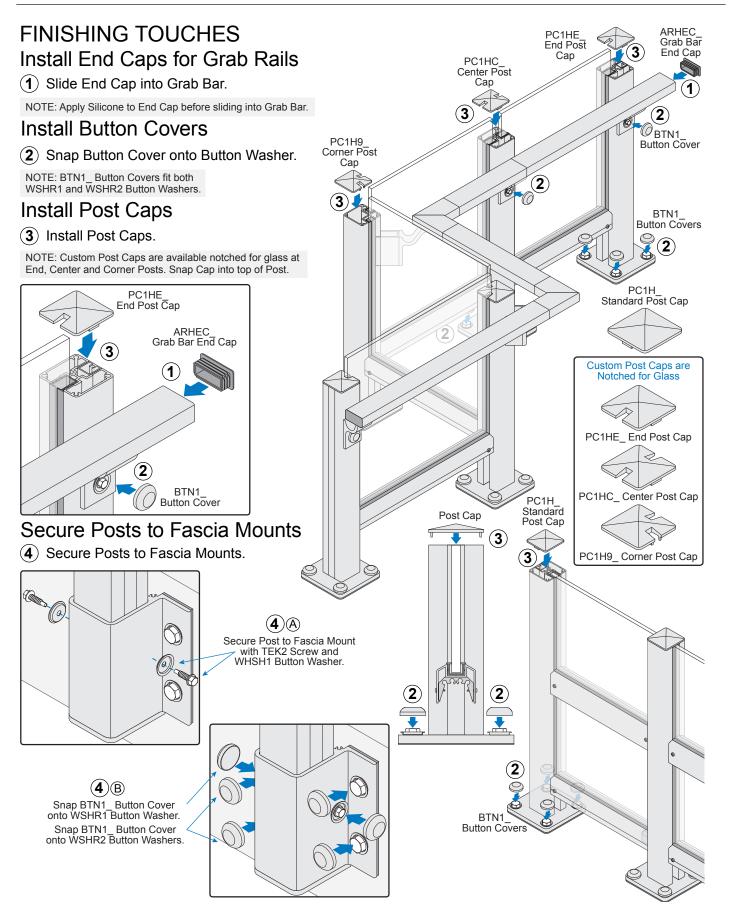












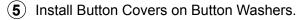


OPTIONAL TUBULAR GRAB RAIL INSTALLATION

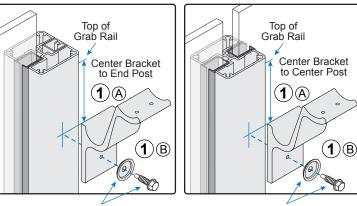
NOTE: Follow instructions for Grab Rail Installation on Page 10. Use ARHB1_ Tubular Grab Rail Bracket instead of ARHBH_ Grab Rail Bracket and ARHR15_ Tubular Grab Rail instead of ARHRH_ Grab Rail. AR90_ Welded Corners are available and installed with RCB36 Splice.

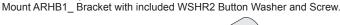
- 1 Mount Tubular Grab Rail Brackets to End and Center Posts.
- (2) Cut and assemble Tubular Grab Rail.
- (3) Mount Grab Rail to Brackets.
- (4) Install Tubular Grab Bar End Caps.

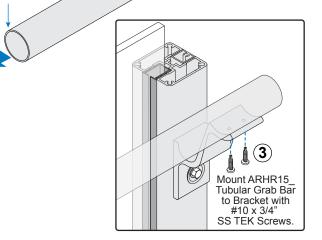
NOTE: Apply Silicone to AR1EC_ End Cap before sliding into end of ARHR15_ Tubular Grab Bar.

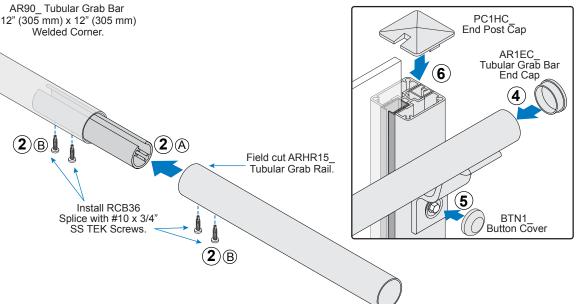


6 Install Post Caps.









Field cut ARHR15_ Tubular Grab Rail.

 $(\mathbf{2})$ (A)

Assemble with RCB36 Splice

 $(\mathbf{2})(\mathbf{A})$