

Modular Railing System Installation Manual

Jakob Modular Railing System - Professional Installation Guide

The Jakob Modular Railing System (MRS) is a complete, pre-engineered cable railing solution. All components are manufactured from AISI 316 marine-grade stainless steel for maximum corrosion resistance and long-term performance

SYSTEM COMPONENTS

HARDWARE

- A1:** Dome nut
- A2:** Washer
- A3:** Headless screws 135mm
- A4:** Headless screws 75mm
- A5:** Headless screws 45mm
- A6:** Headless screws 20mm
- A7:** Spacer 50mm
- A8:** Spacer 19mm
- A9:** Corner angle connector 90°
- A10:** Articulating spacer 50mm
- A11:** Articulating spacer 19mm

POSTS — TOP MOUNT

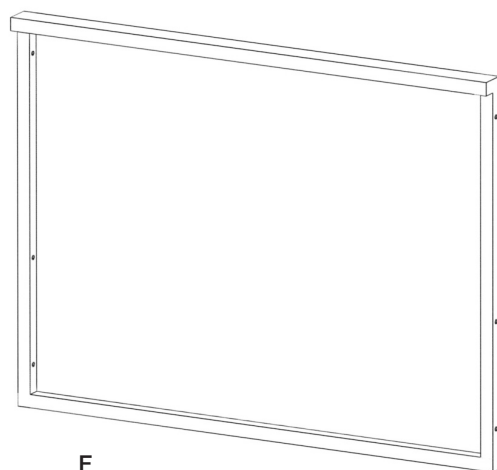
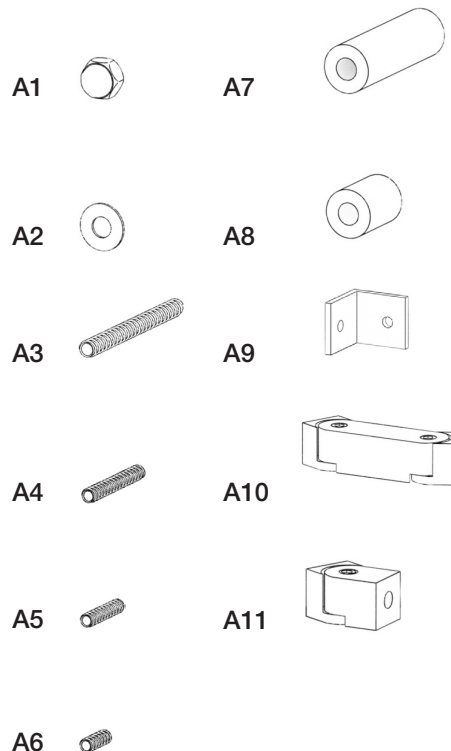
- P1-T:** Tall post
- P2-T:** Short post
- P3-T:** Corner post, 90°

POSTS — FASCIA MOUNT

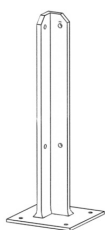
- P1-F:** Tall post
- P2-F:** Short post
- P3-F:** Corner post, 90°

FRAMES & GATES

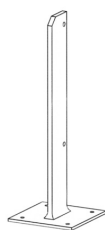
- D1:** Tube Gate
- F:** Frame



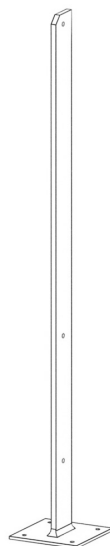
F



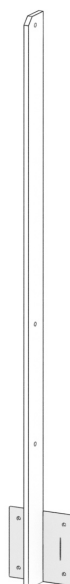
P3-T



P2-T



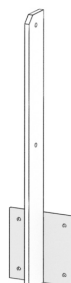
P1-T



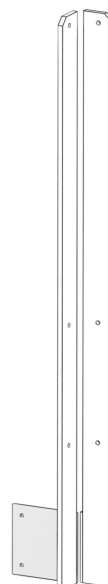
P1-F



D-1



P2-F



P3-F

Jakob
Rope Systems



Apply thread-locking adhesive (e.g., Loctite) to fastener threads before assembly.

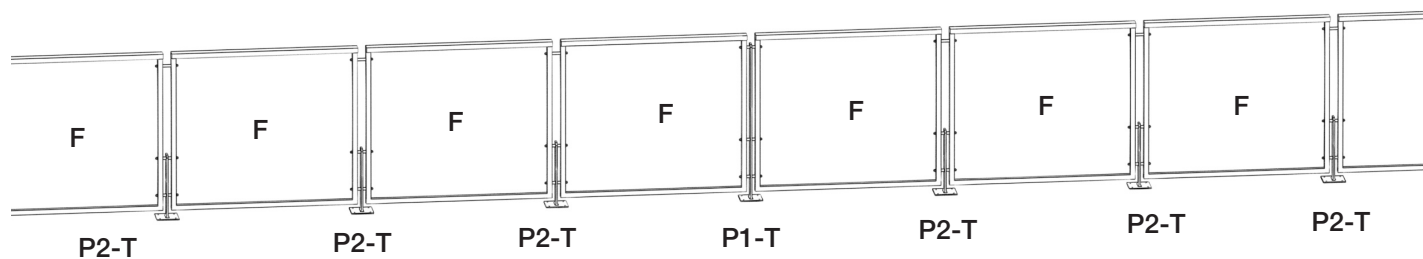
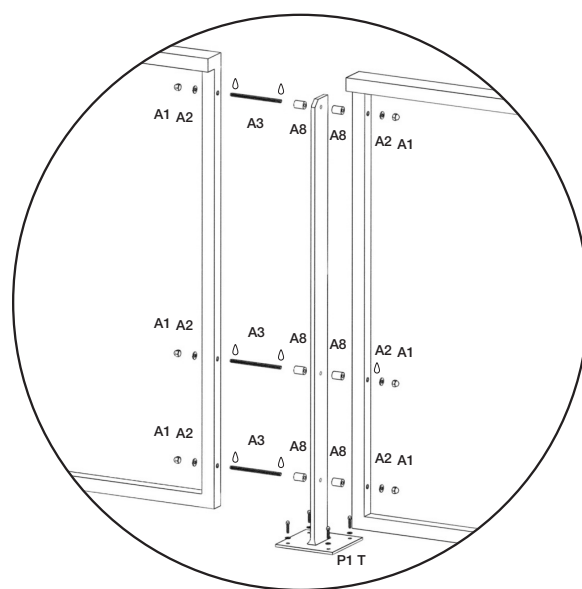
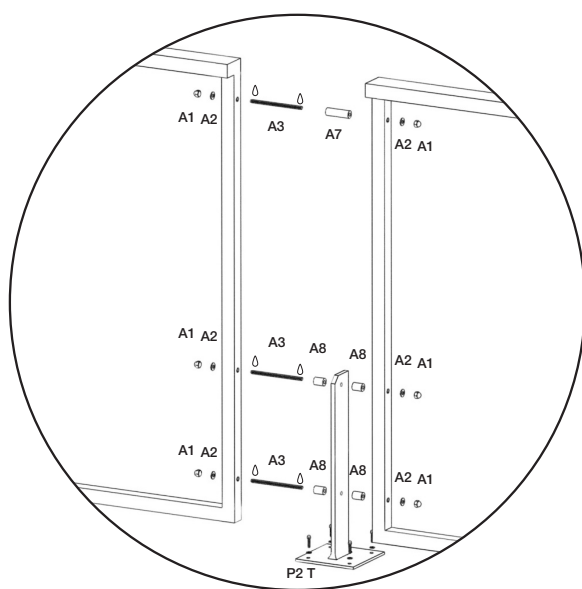
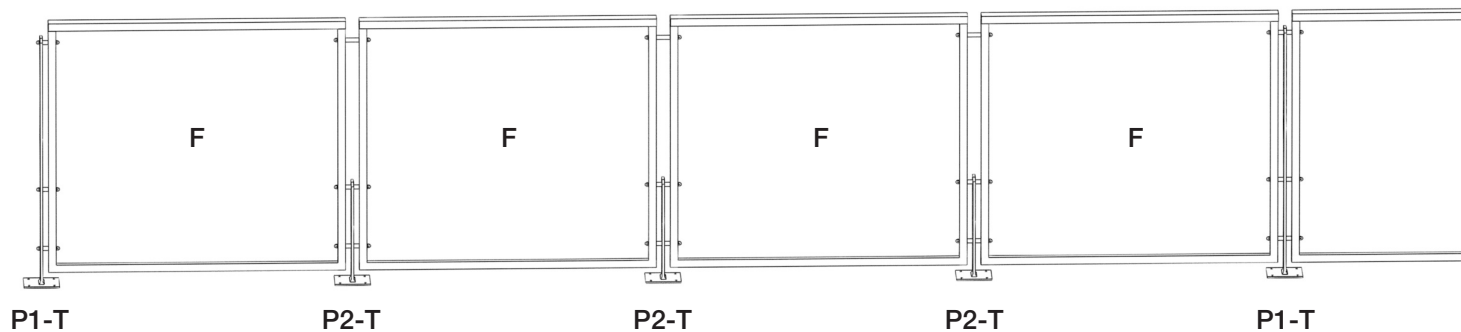


Railing systems are safety-critical structures. Correct on-site assembly is the sole responsibility of the installer

Jakob
Rope Systems

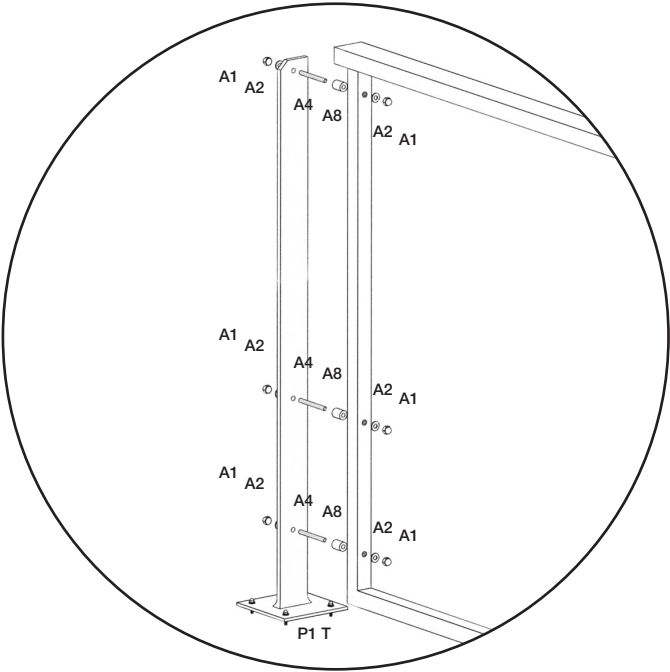
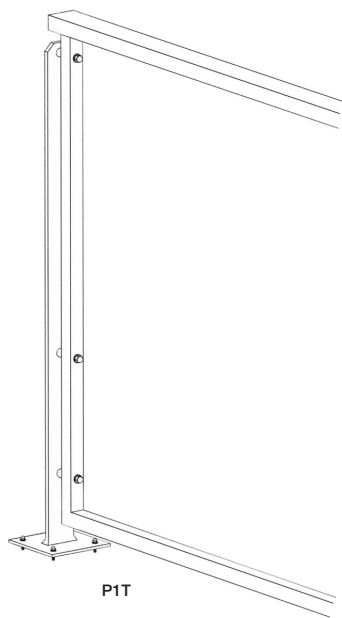
STRAIGHT RUNS

Post Location according to Jakob Layout

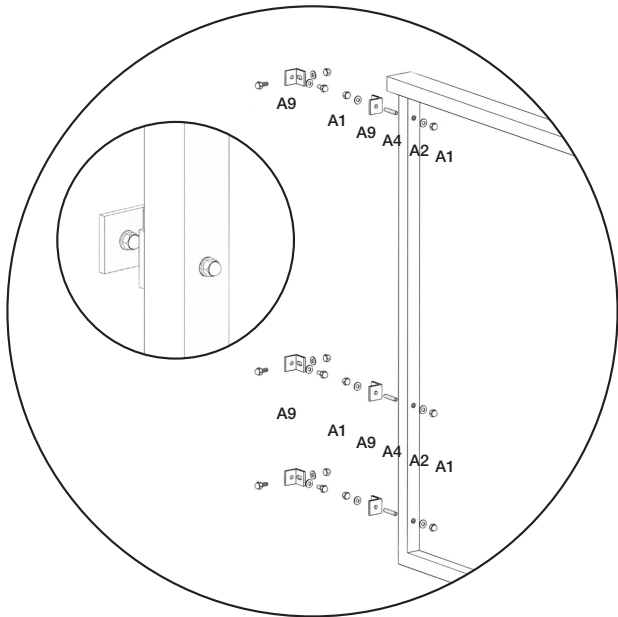
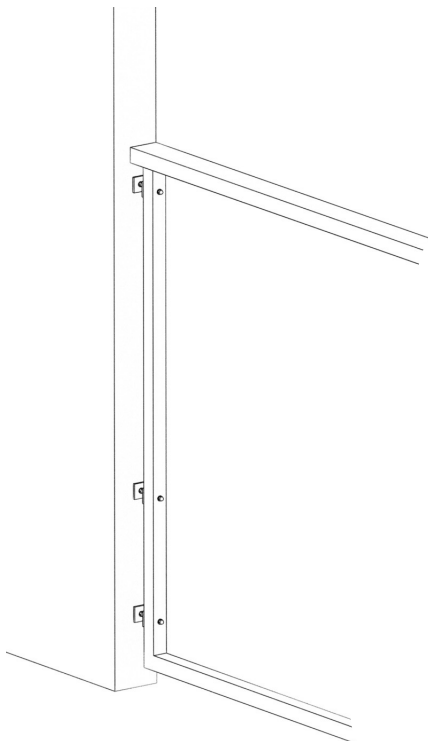


Jakob
Rope Systems

STRAIGHT RUNS (END CONDITIONS)



TYPICAL MIDDLE POST SITUATION



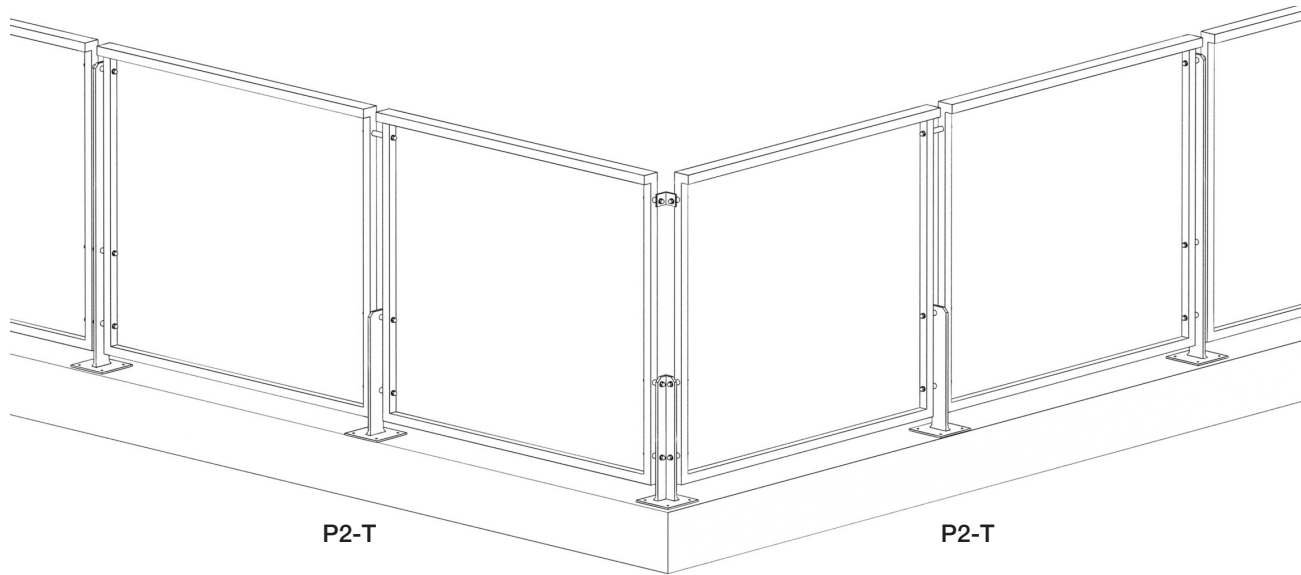
TYPICAL FRAME TO WALL SITUATION



Jakob
Rope Systems

90° TOP-MOUNTED CORNER

Check the corner post location detail

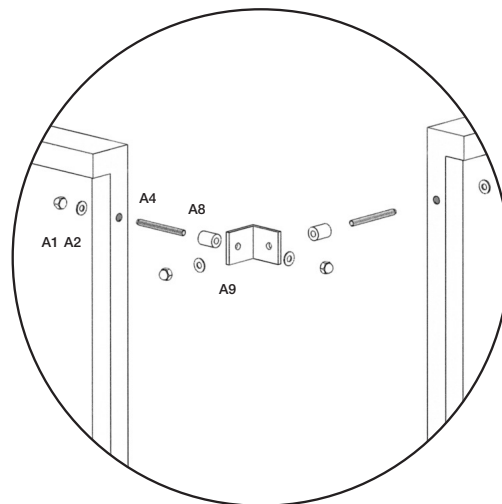


P3-T

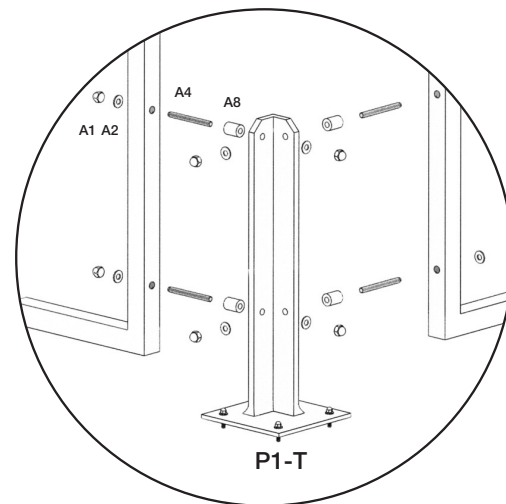
P2-T

P2-T

P3-T



TOP CONNECTION DETAIL



TOP CONNECTION DETAIL

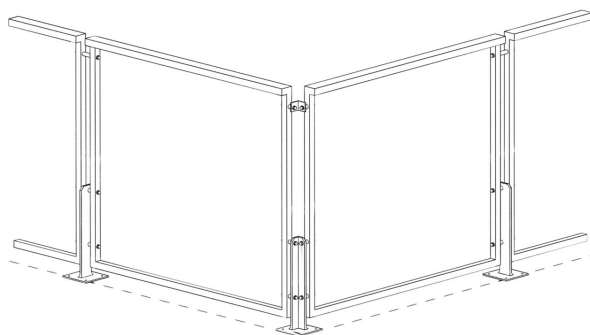
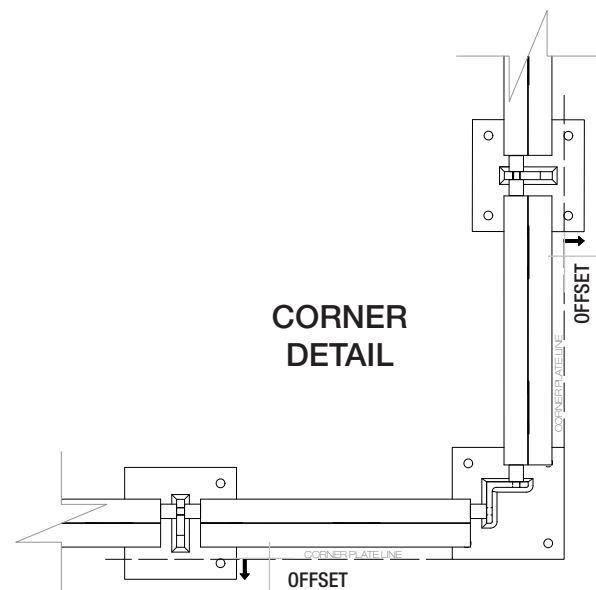


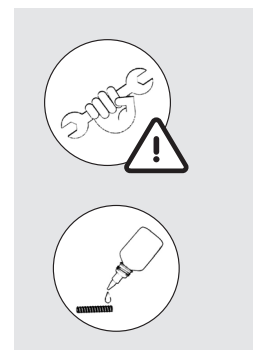
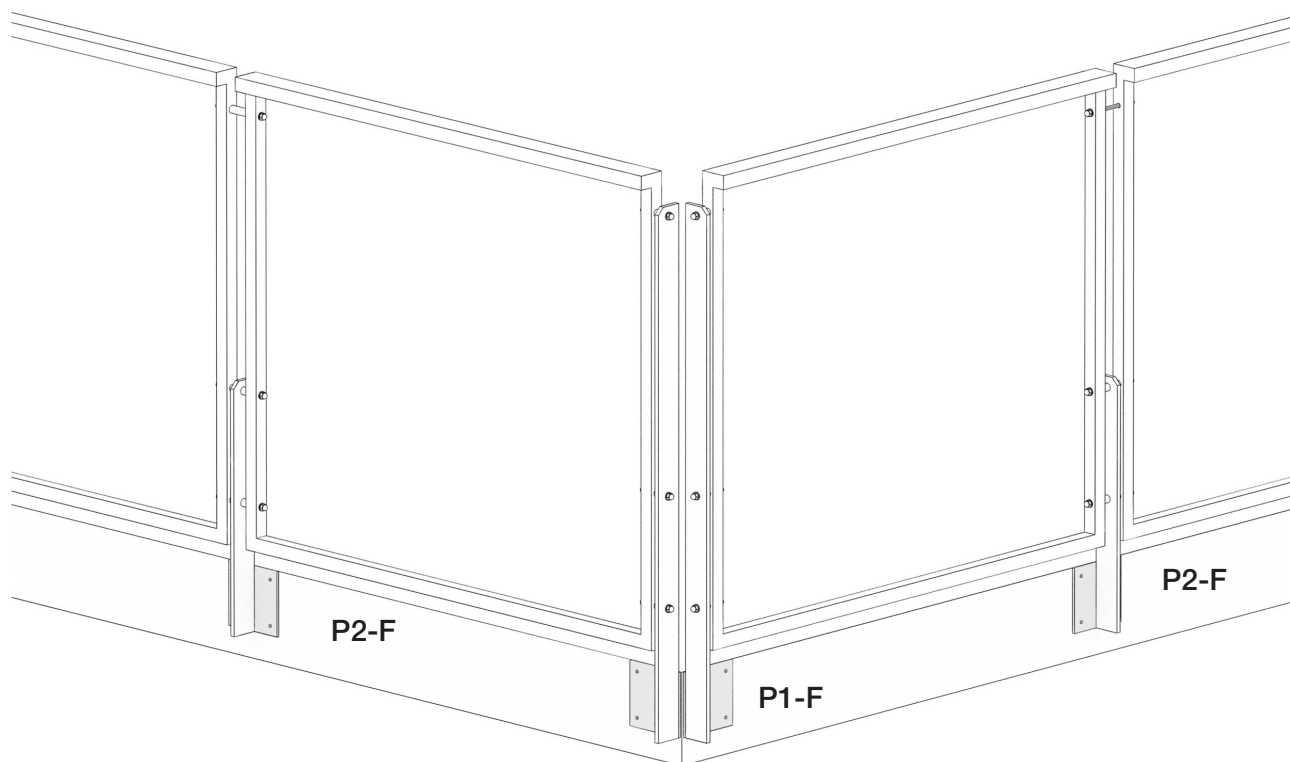
PLATE OFFSET 1" (25MM)



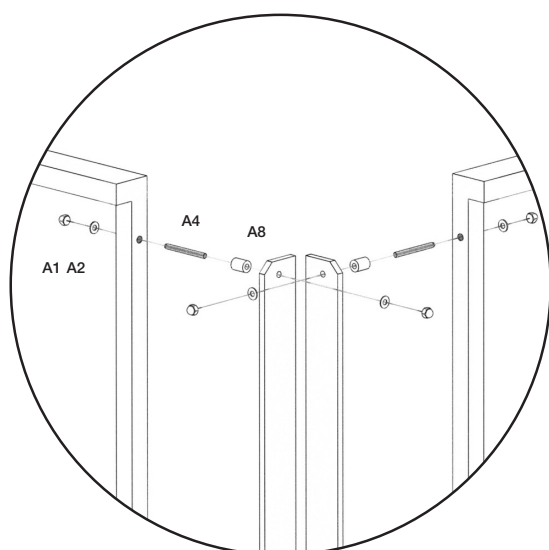
CORNER
DETAIL

90° FASCIA-MOUNTED CORNER

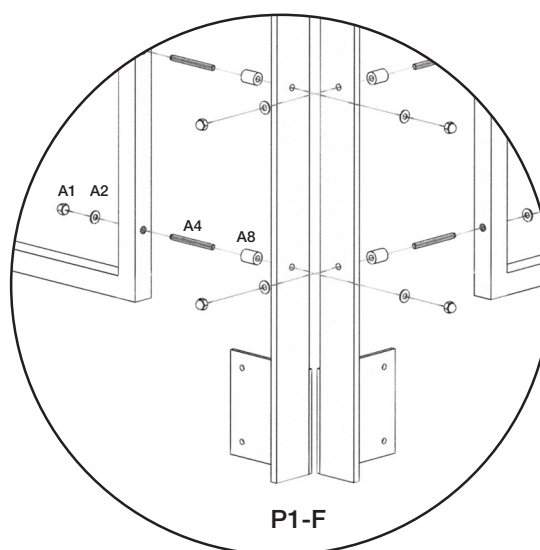
Fascia-mounted corners follow the same base installation sequence as top-mounted. The key difference is the corner post — P1-F is taller than its top-mounted equivalent to accommodate fascia attachment.



Jakob
Rope Systems



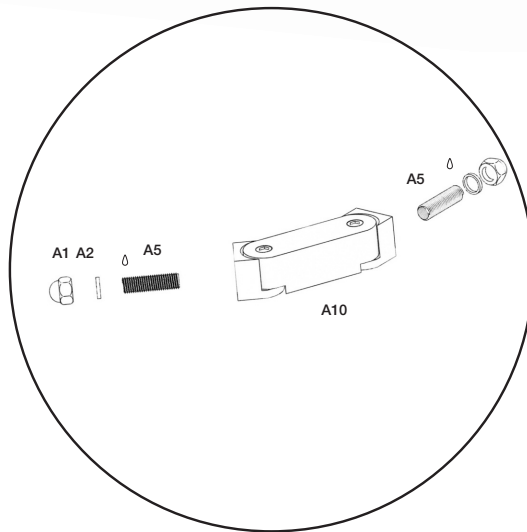
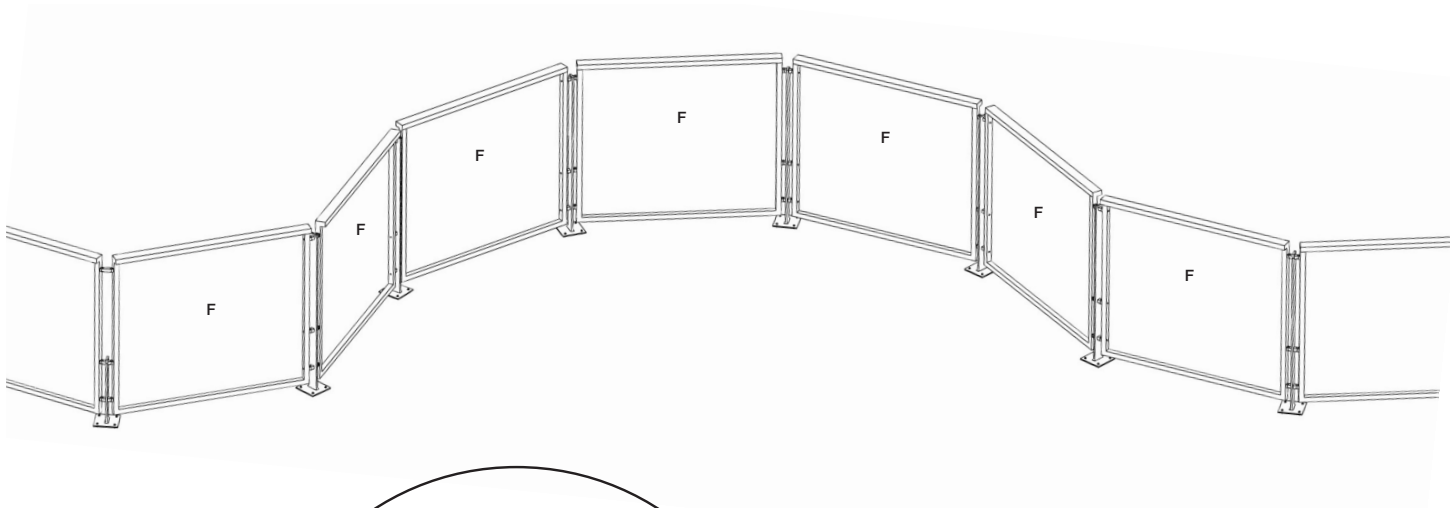
FASCIA-MOUNTED
TOP INSTALLATION



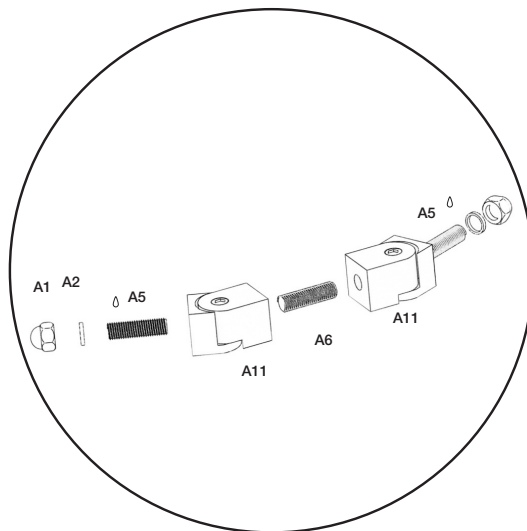
FASCIA-MOUNTED
BOTTOM INSTALLATION

CURVED RUNS

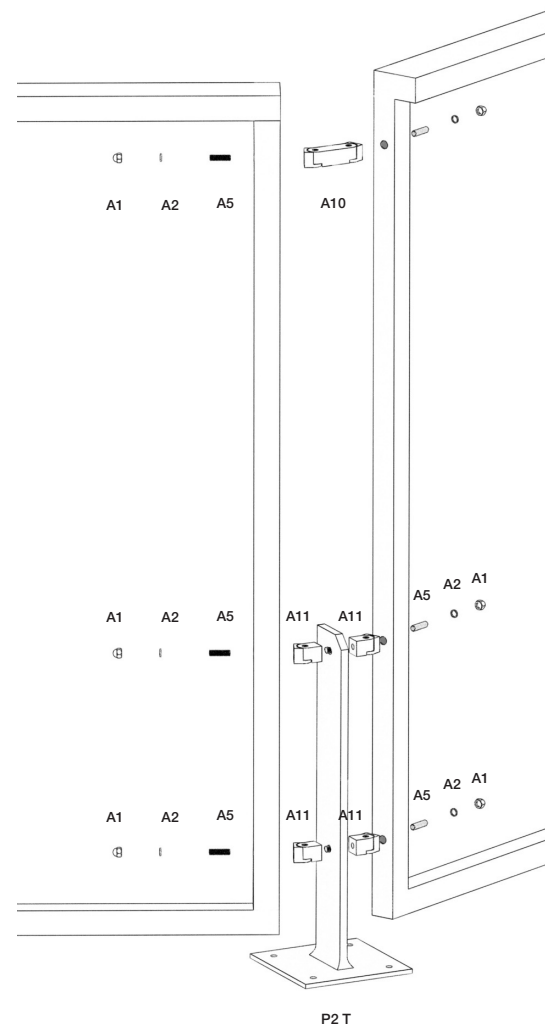
Curved configurations use articulating spacers (A8, A9) to achieve the required angle between frames.



TOP CONNECTION



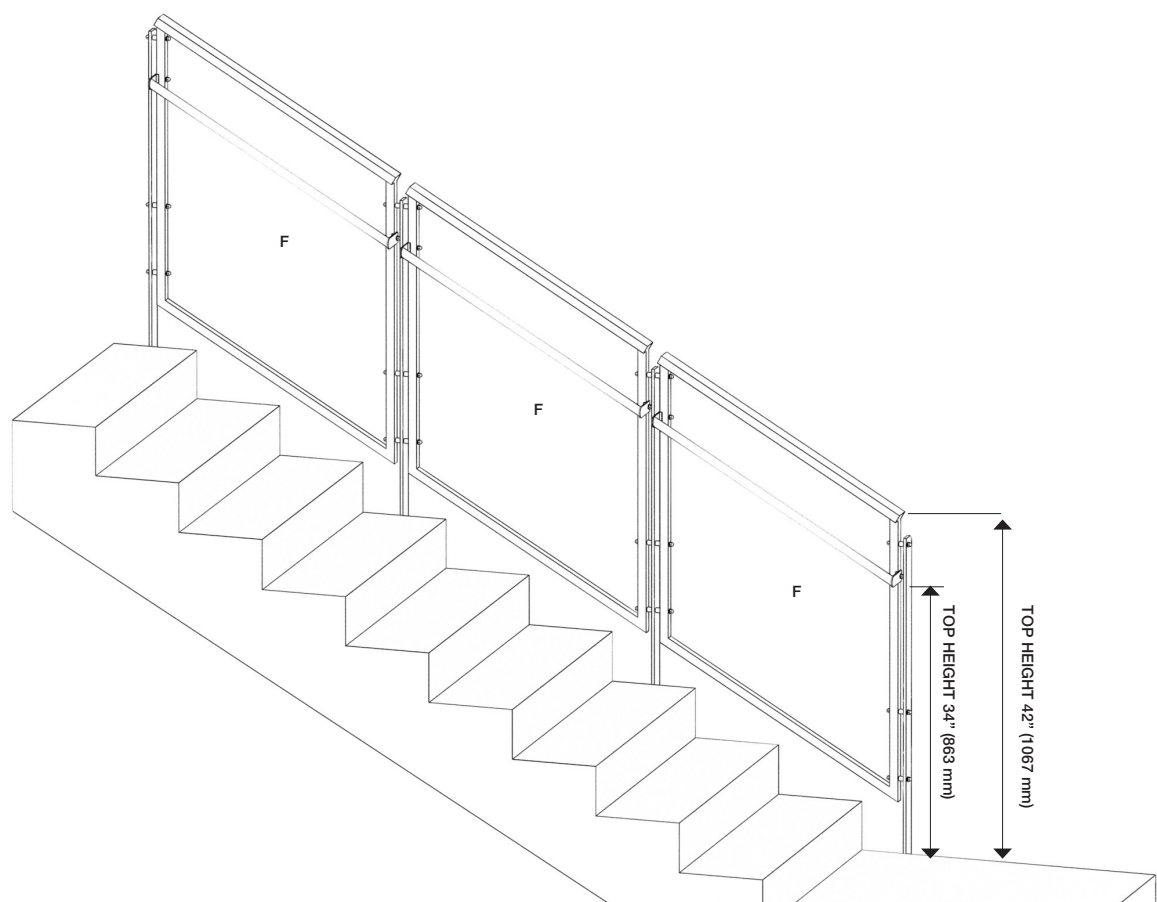
BOTTOM CONNECTION



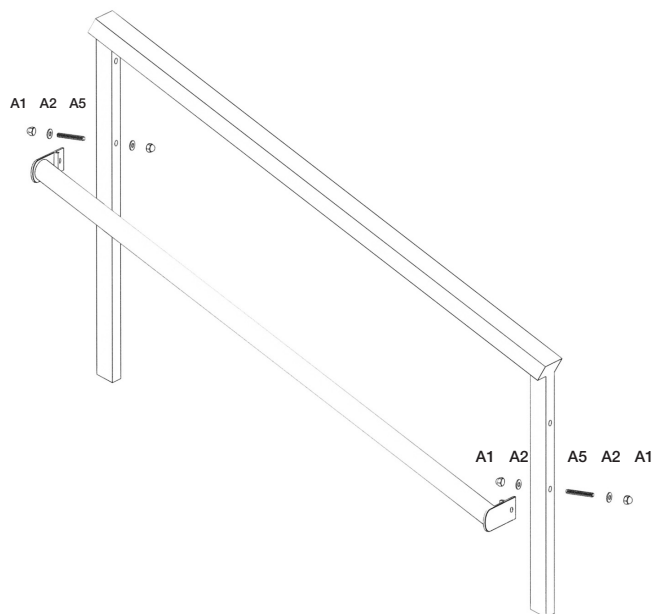
Jakob
Rope Systems

STAIRS AND RAMPS WITH HANDRAILS

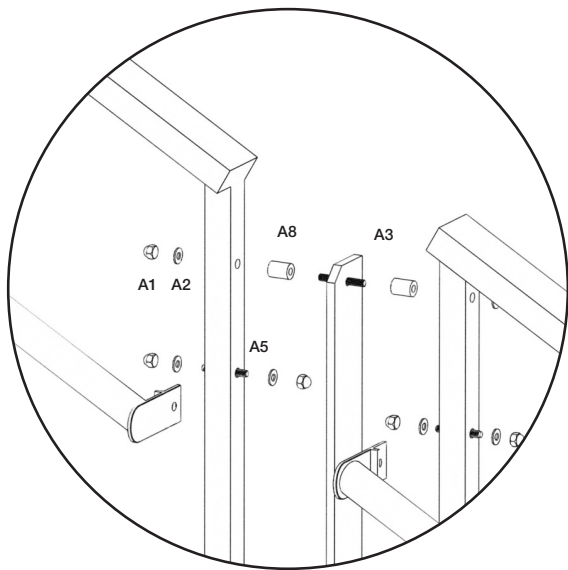
STAIR PANELS 42" H TYPICAL - HAND RAIL AT 32"



Jakob
Rope Systems



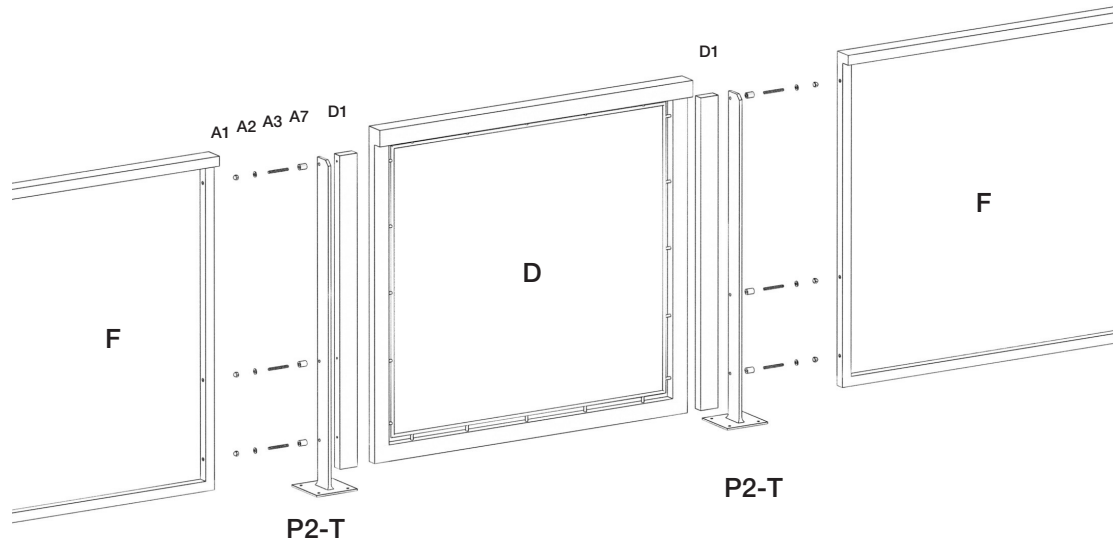
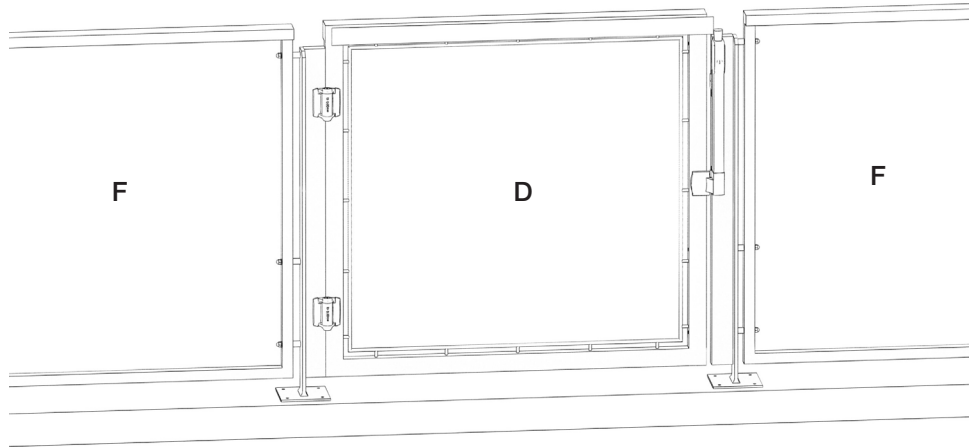
HANDRAIL ATTACHMENT DETAIL



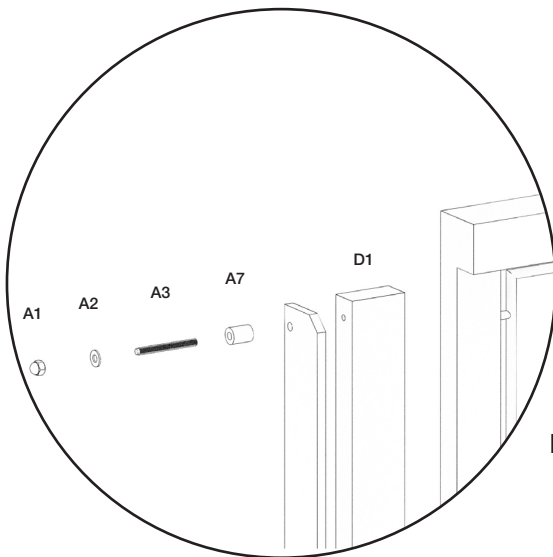
ATTACHMENT DETAIL

DOOR INSTALLATION DETAIL

1 - Door unit (D) installs between standard frames (F). 2 - Gate tube attach to posts. 3 - Hinges and lock attach to tubes



Jakob
Rope Systems



DETAIL FOR GATE
INSTALLATION

Important Notice

This installation manual is intended for use by qualified contractors and construction professionals. Jakob Rope Systems USA assumes no responsibility for installations performed by unqualified personnel or for modifications made to the system not specified in this guide. It is the customer's responsibility to verify and ensure compliance with all applicable local codes and regulations. Product specifications are subject to change without notice. For technical support or project-specific questions, contact Jakob Rope Systems USA directly.

Jakob
Rope Systems

119 S H St - Lake Worth Beach, FL 33460
infous@jakob.com
www.jakob.com