

# Handrails

## KOROSEAL Wall Protection Systems Korogard® VersaRail

---

1. Locate and install **Korogard®** Handrail in accordance with architectural drawings and specifications. When required, **Korogard®** shop drawings should be used in conjunction with these documents.
2. Lay out work to be completed, including all component parts, along base of substrate (wall). Check material for any damage that may have occurred during shipment and/or handling at job site.
3. Snap chalk line at proper location on substrate to ensure level installation. Chalk line should be calculated to center line of the the mounting bracket wall fasteners.
4. Calculate and establish required overall length of individual rail section allowing for door jambs, corner conditions, or any other obstructions.  
**Note: Determine specified set-back dimension from terminating wall conditions. Unless specified, a 1" (25.4mm) set-back is recommended.**
5. Determine type of supplied handrail top.

### Vinyl Handrail Top Option:

- A. Measure and cut aluminum retainer allowing for end and/or corner caps (see drawings).  
**Note: Cut aluminum retainer square to ensure a neat joint when vinyl bumper cover is assembled and butted to ends and corners.**
- B. De-burr ends of aluminum retainer before assembly to improve fit of end and/or corner caps reducing risk of nicks or scratches.
- C. Utilize included splice kits for runs exceeding aluminum retainer max piece length.
- D. Pre-drill retainer with 1/8" (3.18mm) drill bit for fastening end and corner caps. Drill holes 1/2" (12.7mm) in from end of retainer (see drawings).
- E. Attach end and corner caps with included #8 x 1/2" (12.7mm) screws.
- F. Pre-drill retainer with 1/4" (6.35mm) drill bit and attach included mounting brackets with included M6-12 screws.  
**Note: Locate brackets 2" (51mm) to 4" (102mm) in from each end and all intermediate locations not to exceed 32" (812.8mm) O.C..**
- G. Measure, cut, and install Korogard cover. Remove any flash cut with de-burring tool or small knife.

### Wood Handrail Top Option:

- A. Measure and cut aluminum retainer allowing appropriately for end and/or corner caps (see drawings).
- B. De-burr ends of aluminum retainer before assembly to improve fit of end and/or corner caps reducing risk of nicks or scratches.
- C. Pre-drill and counter-sink aluminum retainer with 1/4" (6.35mm) drill bit and attach included mounting brackets with included flat head M6-12 screws.  
**Note: Locate brackets 2" (51mm) to 4" (102mm) in from each end and all intermediate locations not to exceed 32" (812.8mm) O.C..**
- D. Install wood returns and/or corners first. Then measure the distance between terminations to determine handrail core length. Stagger joints so that they are not directly over retainer joints. Cut handrail length to fit between returns and/or corners exactly. Use longest practical lengths to minimize number of joints.  
**Note: To ensure a secure attachment of the wood rail to the retainer, a press-fit is desired. Due to dimensional tolerance variations, this may require that the aluminum retainer insert legs be pinched closer together using channel-locks or similar. Pinch at spots along length at or near the wall anchors and near to ends of wood rail section. Pinch as closed as necessary to provide a snug, friction fit. To permanently secure, use Loctite® PL® Premium, or equal (supplied by others) to also adhere the wood rail to the retainer.**

# Handrails

## KOROSEAL Wall Protection Systems Korogard® VersaRail

---

- Determine type of supplied crash rail bottom.

### Vinyl Crash Rail Bottom Option:

- Measure and cut aluminum retainer allowing for end and/or corner caps (see drawings).
- De-burr ends of aluminum retainer before assembly to improve fit of end and/or corner caps reducing risk of nicks or scratches.
- Attach connector plate to end of retainer using two included #10 x 1-1/4" (31.8mm) included screws.
- Attach ends and corners using provided washers and machine nuts as required.
- If length exceeds aluminum stock length, splice abutting retainer lengths using included splice kit (connector plate and screws).
- Use sub-assembled handrail top (see above) as a drill guide for drilling aluminum crash rail. Make sure ends are lined up and drill through the center of the aluminum crash rail.

### Wood Crash Rail Bottom Option:

- Measure and cut aluminum retainer allowing appropriately for end and/or corner caps (see drawings).
  - De-burr ends of aluminum retainer before assembly to improve fit of end and/or corner caps reducing risk of nicks or scratches.
  - Pre-drill 1/8" (3.18mm) holes through bottom of retainer to accept #8 x 1/2" (12.7mm) screws (see drawings). Locate three holes at 1" (25.4mm), 3" (76.2mm), and 3" (76.2mm) centers from each end at approx. 30" (762mm) centers in between.
  - If installed length exceeds aluminum stock length, abut retainer lengths together and locate wall anchors within 8" (203.2mm) of each end to stabilize.
  - Use sub-assembled handrail top (see above) as a drill guide for drilling aluminum crash rail. Make sure ends are lined up and drill through the center of the aluminum crash rail.
- Use sub-assembled handrail top section to locate wall anchor holes. Drill and prepare anchor holes as necessary.
  - Mount assembly to wall using 1/4" (6.35mm) x 5" (127.0mm) (or as required) fastener (not included). Feed fastener through retainer and mounting bracket. Attach and feed through wall. Tighten securely.  
**Note: Prior to installation of the Korogard cover and/or Korowood rail, ends and corners, make sure that all fasteners are secure and properly seated.**
  - If utilizing **Wood Crash Rail Bottom**, engage/attach ends and corners using provided #8 x 1/2" (12.7mm) screws; two per end or four per corner.
  - Measure and cut 4" (101.6mm) rail cover (wood or vinyl depending upon application) lengths to fit between ends and/or outside corners exactly. Use longest practical lengths to minimize number of joints. Snap vinyl cover into place. Engage/attach wood cover using supplied #8 x 1/2" (12.7mm) screws at 30" (762mm) on center (see drawings). Make all joints neat and hairline-tight.  
**Note: If VINYL rail section requires more than one length of cover, position seam directly over the splice (connector plates) in the aluminum retainer. If WOOD rail section requires more than one length of cover, position joint off-set or staggered from joint in the aluminum retainer by at least 12".**
  - If you have any questions during installation, please call your **Korogard** representative.

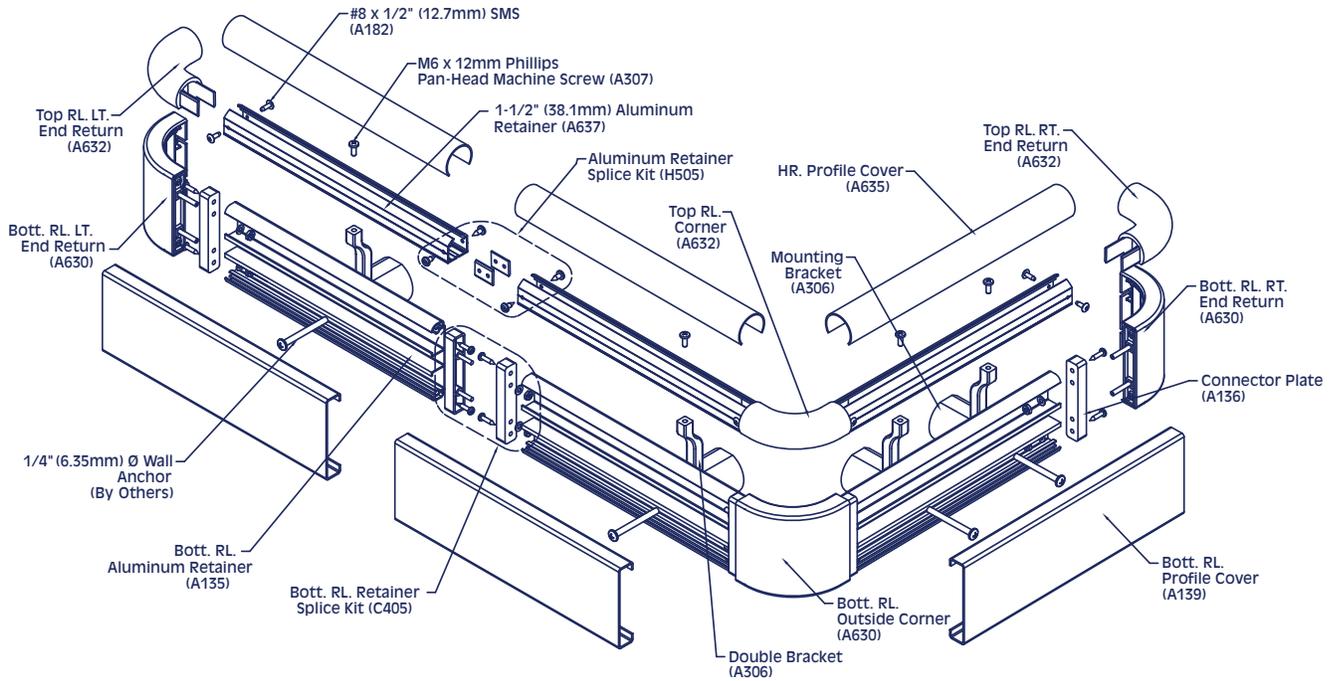


800-628-0449 • [www.korogard.com](http://www.korogard.com) • Division 10 26 00

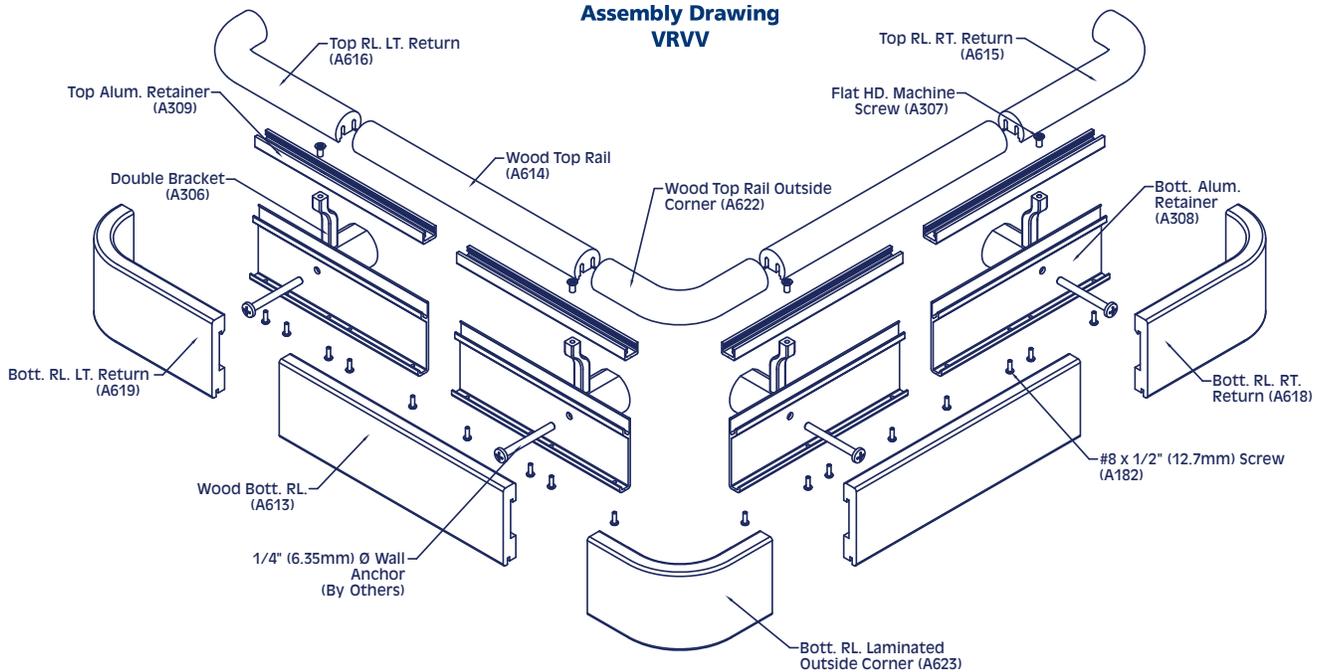
Korogard® and Korowood™ are registered trademarks and trademarks of Koroseal Interior Products, LLC. PL® 200 and Loctite® are registered trademarks of Henkel Corporation.

# Handrails

## KOROSEAL Wall Protection Systems Korogard® VersaRail



**Assembly Drawing  
VRVV**

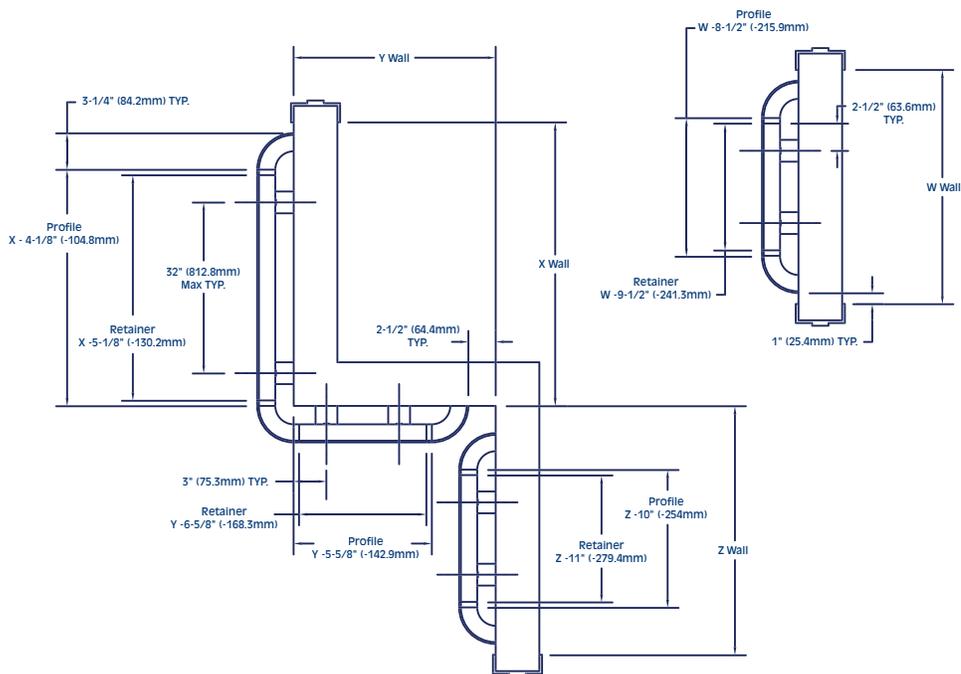
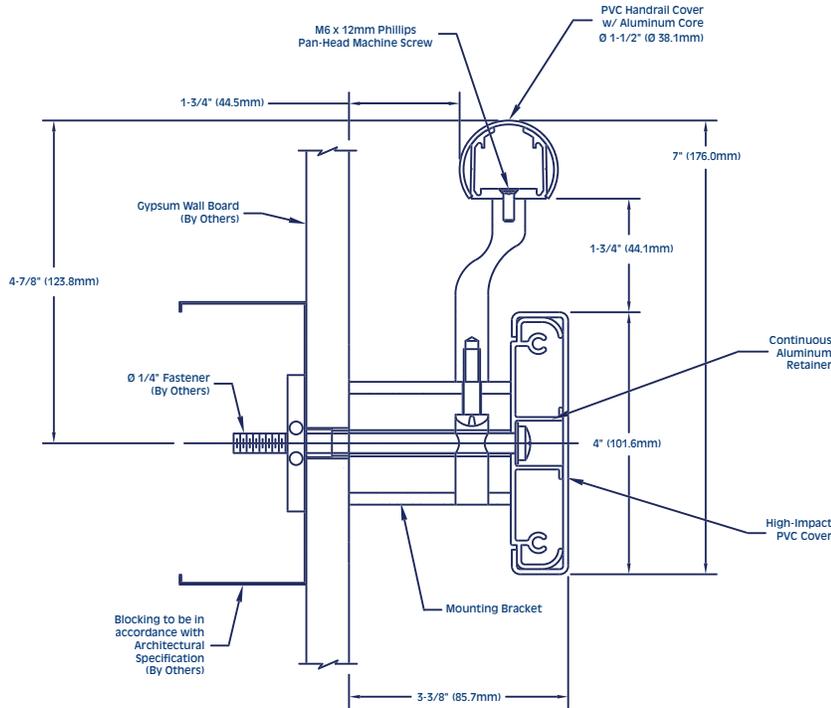


**Assembly Drawing  
VRWW**

# Handrails

## KOROSEAL Wall Protection Systems Korogard® VersaRail

### Installation Dimensions for VersaRail - VRVW Handrail



**KOROGARD®**  
WALL PROTECTION SYSTEMS

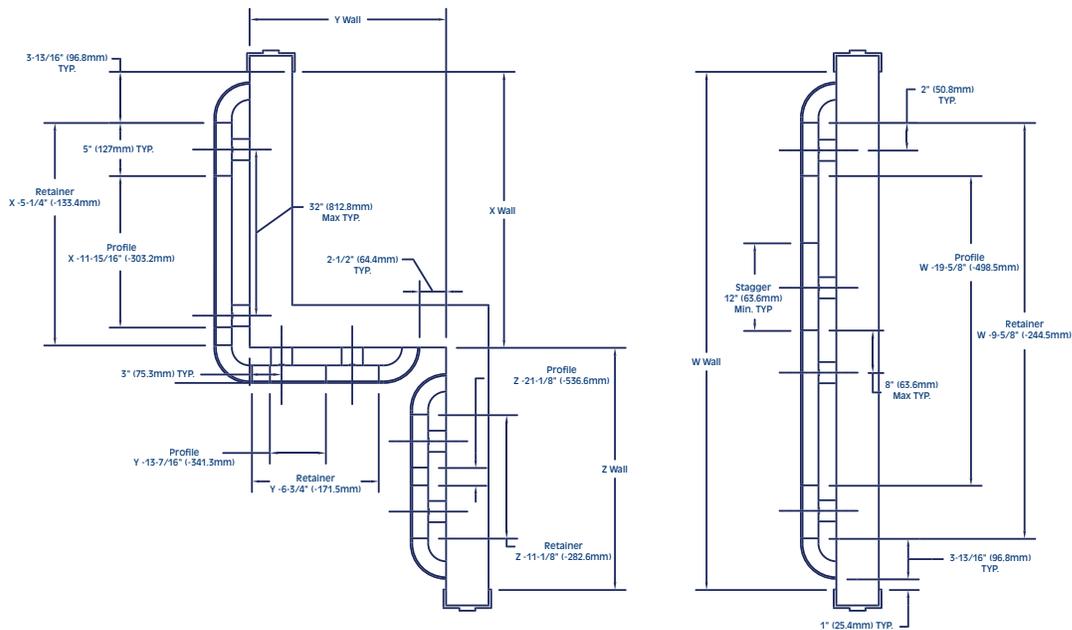
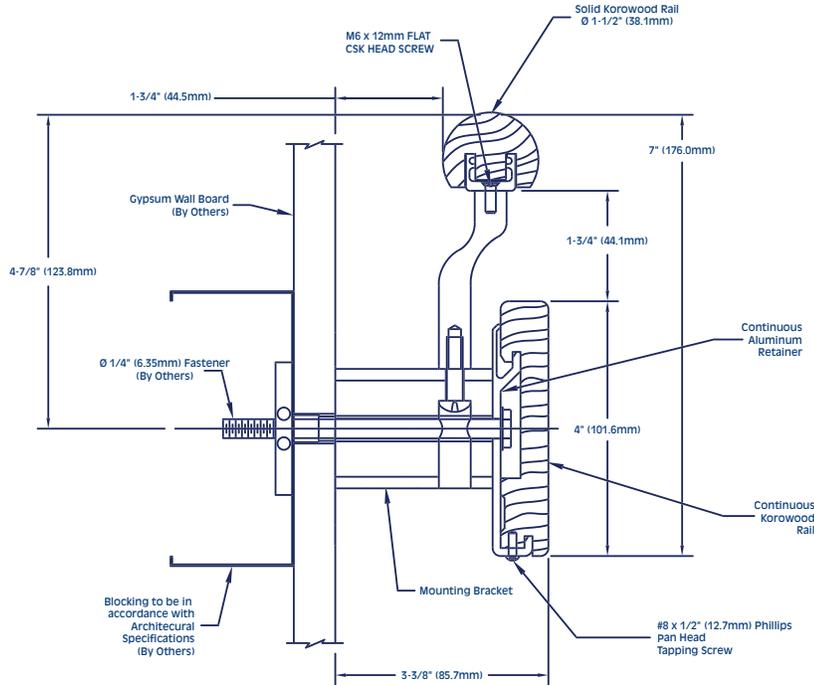
800-628-0449 • [www.korogard.com](http://www.korogard.com) • Division 10 26 00

Korogard® and Korowood™ are registered trademarks and trademarks of Koroseal Interior Products, LLC. PL® 200 and Loctite® are registered trademarks of Henkel Corporation.

# Handrails

## KOROSEAL Wall Protection Systems Korogard® VersaRail

### Installation Dimensions for VersaRail - VRWW Handrail



**KOROGARD®**  
WALL PROTECTION SYSTEMS

800-628-0449 • [www.korogard.com](http://www.korogard.com) • Division 10 26 00

Korogard® and Korowood™ are registered trademarks and trademarks of Koroseal Interior Products, LLC. PL® 200 and Loctite® are registered trademarks of Henkel Corporation.