

INSTALLATION INSTRUCTIONS

SERIES 2000 SLIDING DOORS



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HANDLING, STORAGE, AND PROTECTION OF ALUMINUM

The following precautions are recommended to protect the material against damage. Following these precautions will help ensure early acceptance of your products and workmanship.

A. HANDLE CAREFULLY.

All aluminum materials at job site must be stored in a safe place, well removed from possible damage by other trades. Cardboard wrapped or paper interleaved materials must be kept dry.

B. CHECK ARRIVING MATERIALS.

Check for quantity counts and keep records of where various materials are stored.

C. KEEP MATERIALS AWAY FROM WATER, MUD, AND SPRAY.

Prevent cement, plaster, or other materials from damaging the finish.

D. PROTECT THE MATERIALS AFTER ERECTION.

Protect erected frame with polyethylene or canvas splatter screen. Cement, plaster, terrazzo, other alkaline solutions, and acid based materials used to clean masonry are harmful to the finish. If any of these materials come in contact with the aluminum, immediately remove with water and mild soap.

The rapidly changing technology within the architectural aluminum products industry demands that U.S. Aluminum reserve the right to revise, discontinue or change any product line, specification or electronic media without prior written notice.

NOTE: Dimensions in parentheses () are millimeters unless otherwise noted.

GENERAL INSTALLATION NOTES

RECOMMENDED GUIDELINES FOR ALL INSTALLATIONS:

- 1. REVIEW CONTRACT DOCUMENTS.** Check shop drawings, installation instructions, architectural drawings, and shipping lists to become thoroughly familiar with the project. The shop drawings take precedence and include specific details for the project. Note any field verified notes on the shop drawings prior to installing. The installation instructions are of a general nature and cover most conditions.
- 2. INSTALLATION.** All materials are to be installed plumb, level, and true.
- 3. SURROUNDING CONDITIONS.** Make certain that construction which will receive your materials is in accordance with the contract documents. If not, notify the general contractor in writing and resolve differences before proceeding with work.
- 4. CHECK QUANTITY OF MATERIALS ON ARRIVAL.** Be sure you have everything required to begin installation.
- 5. SEALANTS.** Sealants must be compatible with all materials with which they have contact, including other sealant surfaces. Consult with sealant manufacturer for recommendations relative to joint size, shelf life, compatibility, cleaning, priming, tooling, adhesion, etc. Due to varying job conditions, all sealants used should be approved by sealant manufacturer to ensure that they will function for conditions shown on shop drawings.
- 6. FASTENING.** Within the body of these instructions "fastening" means any method of securing one part to another or to adjacent materials. Only those fasteners used within the system are specified in these instructions. Due to the varying perimeter conditions and performance requirements, perimeter and anchor fasteners are not specified in these instructions. For perimeter and anchor fasteners refer to the shop drawings or consult the fastener supplier.
- 7. BUILDING CODES.** Due to the diversity in state/provincial, local, and federal laws and codes that govern the design and application of architectural products, it is the responsibility of the individual architect, owner, and installer to assure that products selected for use on projects comply with all the applicable building codes and laws. U.S. Aluminum exercises no control over the use or application of its products, glazing materials, and operating hardware, and assumes no responsibility thereof.
- 8. CARE AND MAINTENANCE.** Final cleaning of exposed aluminum surfaces should be done in accordance with AAMA 609.1 for anodized aluminum and 610.1 for painted aluminum.
- 9. JOB SITE ESSENTIALS.** See pages 11 and 12.

INSTALLATION INSTRUCTIONS

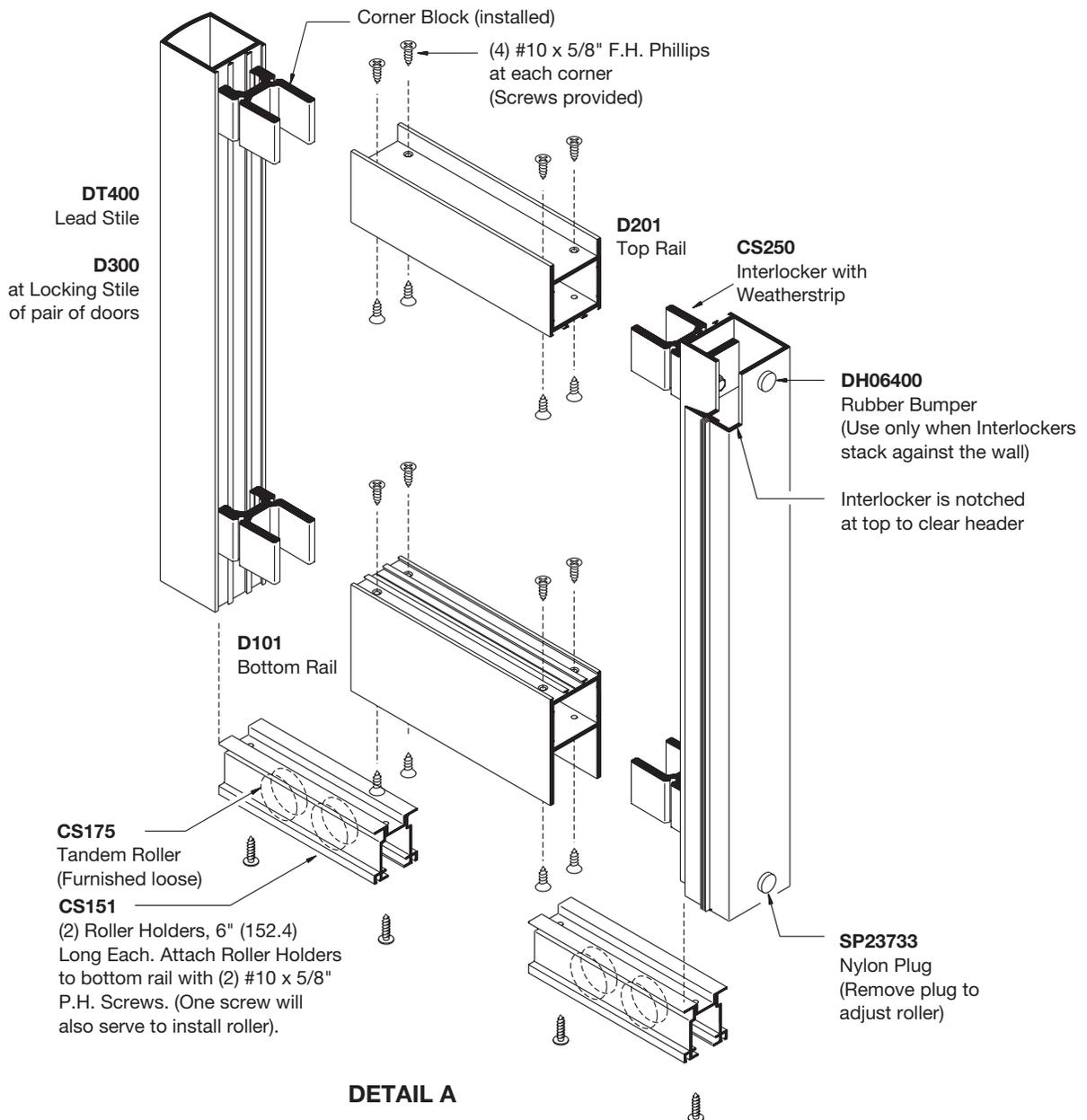
MULTI SLIDE AND POCKET DOOR PACKAGES INCLUDE:

FABRICATED ITEMS: Door panel components with maximum security Hookbolt Lock, two Cylinders and Flush Finger Pulls installed.

NON FABRICATED ITEMS: Headers, Jambs, Tracks, Interlocker Angle and Trim for Pocket Doors. Sizes need to be field adjusted to exact dimensions.

INSTALLATION SCREWS: Installation screws and preparation for them are excluded.

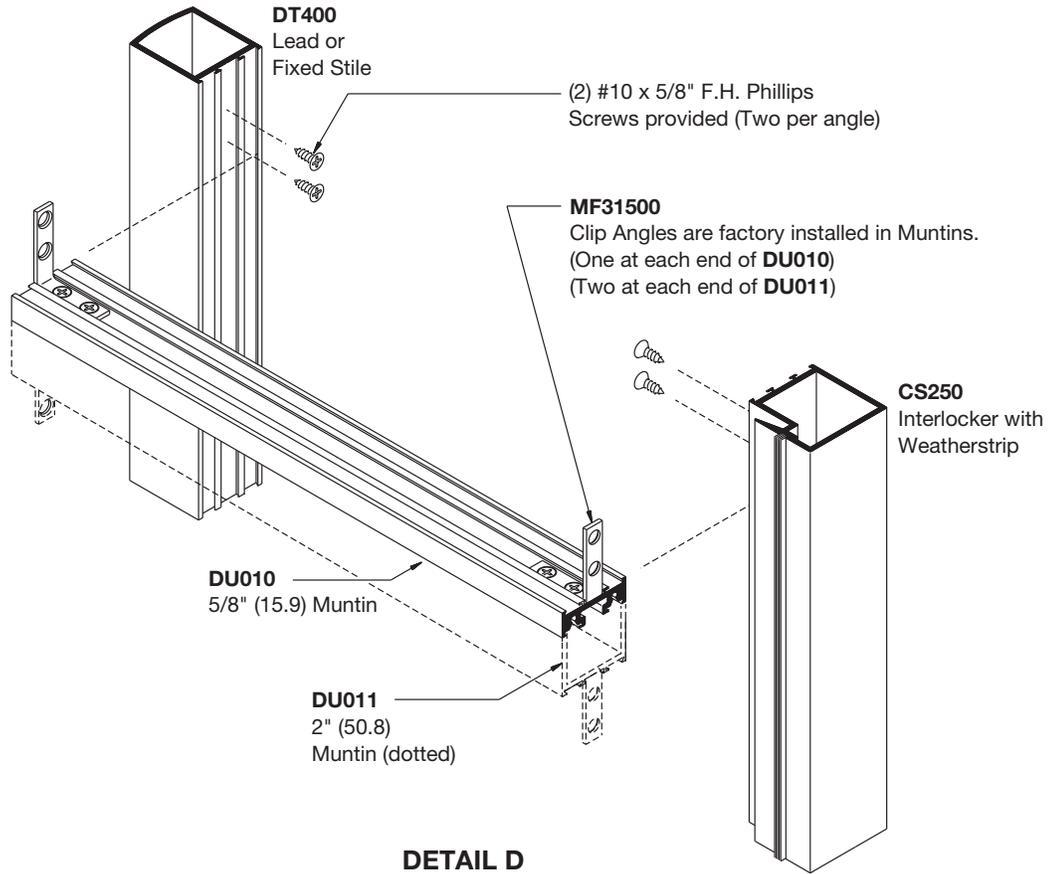
DETAIL A shows typical panel assembly. Leading panel shown, other panels are similar. (Omit Roller Holders at fixed panels).



SERIES 2000 SLIDING DOORS

INTERMEDIATE MUNTINS

Install HORIZONTAL MUNTINS (when applicable). See **DETAIL D**

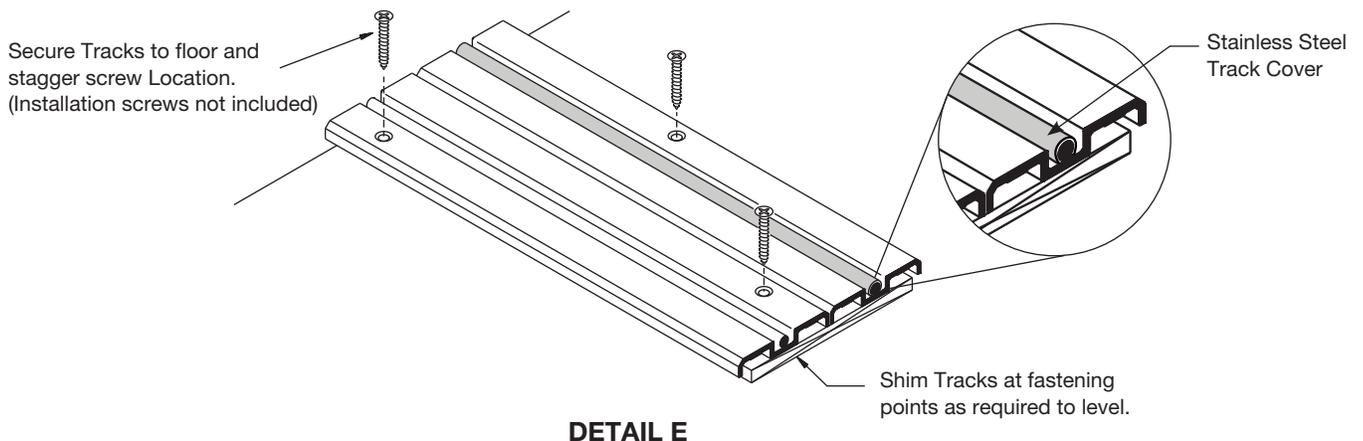


MULTISLIDE DOORS - FRAME INSTALLATION

Determine DOOR SIZE.

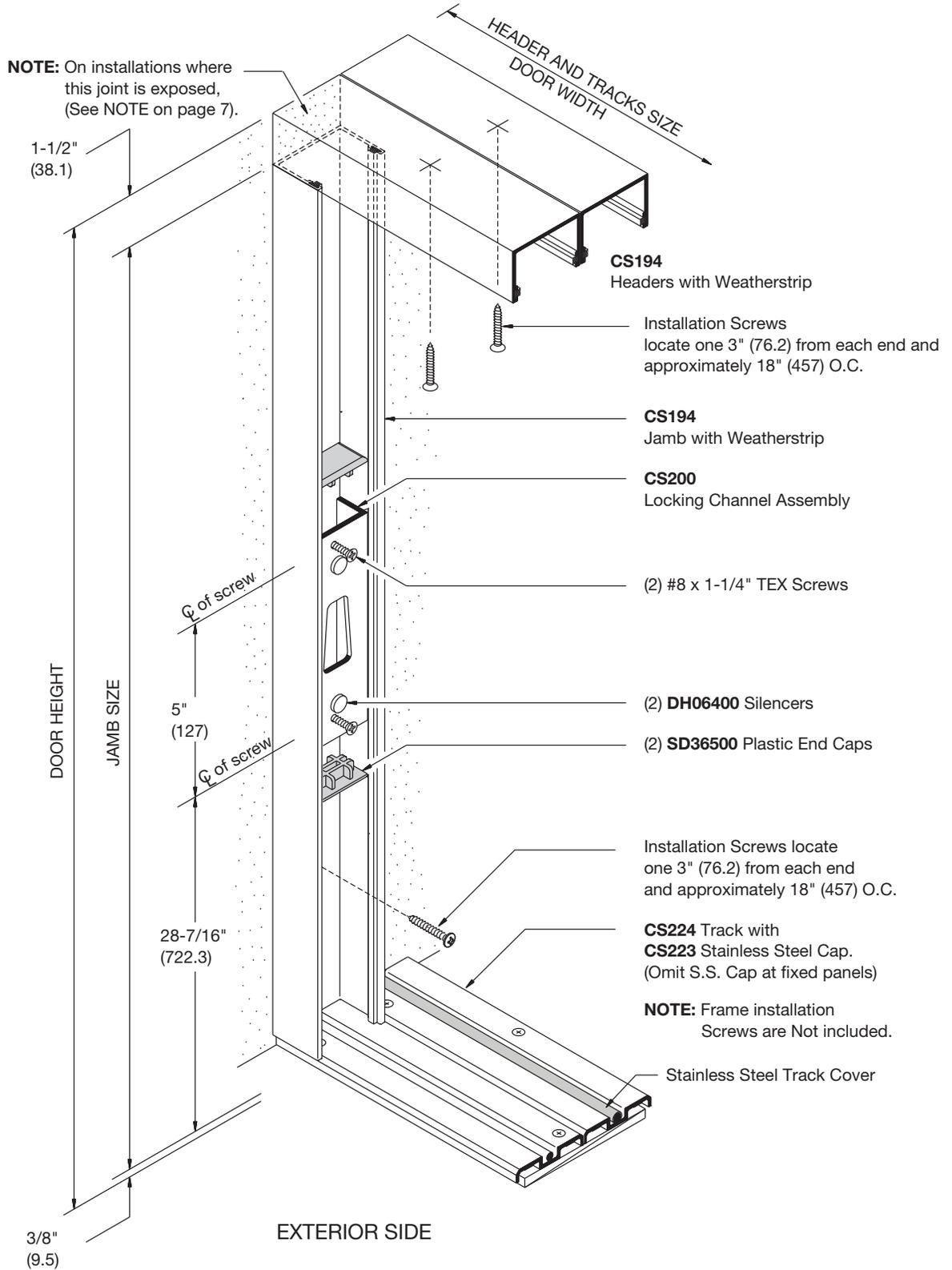
All materials are to be installed plumb, level, and true. Shim framing components as required.

1. Cut HEADERS and TRACKS to DOOR WIDTH dimension. Headers and tracks run continuous.
2. Cut JAMB to DOOR HEIGHT MINUS 1-7/8" (47.6). Jambs run between header and tracks.
3. Position TRACKS and shim to level. Fasten tracks to floor. Stagger the screw locations as shown in **DETAIL E**.



SERIES 2000 SLIDING DOORS

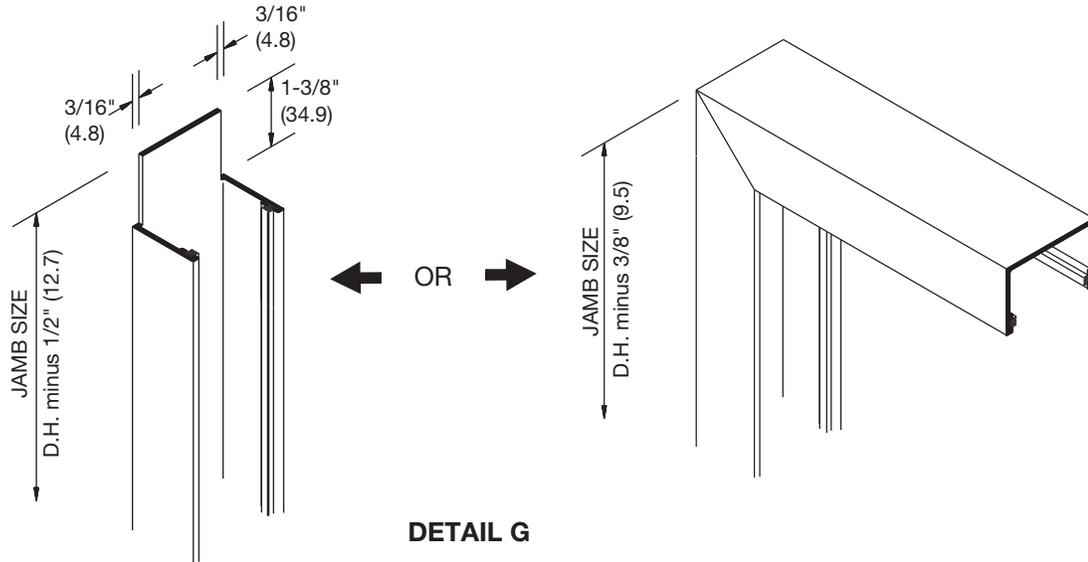
4. Install HEADERS plumb and square.
5. Insert lock channel into lock jamb and install screws. Just before channel is screwed tight install **SD36500** plastic end caps. Now tighten screws. **See DETAIL F**
6. Install JAMBS plumb and square, shimmed as required.



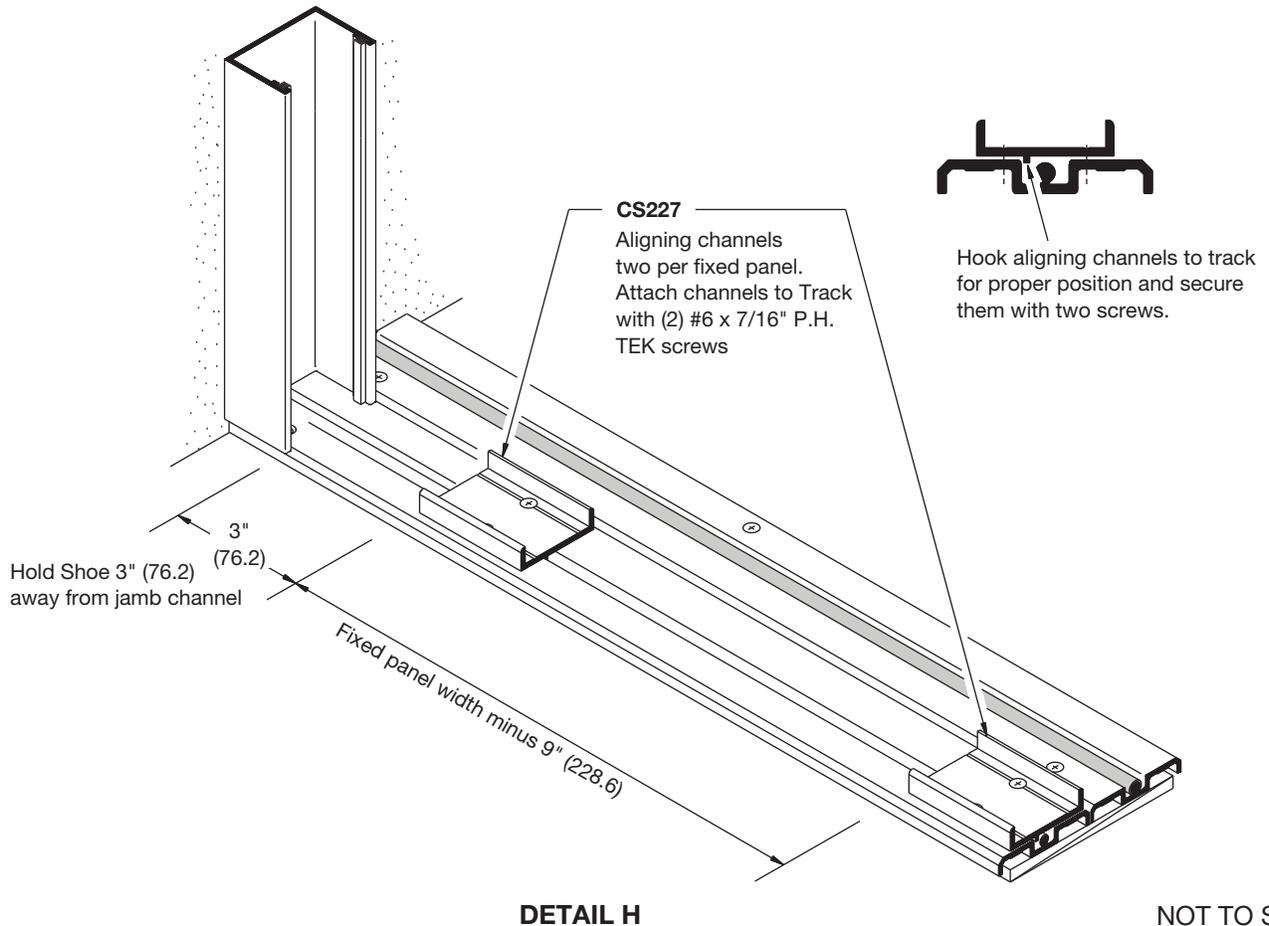
NOT TO SCALE

SERIES 2000 SLIDING DOORS

NOTE: Straight cuts on HEADERS and JAMBS leave a hole at the intersection of the joint. See **DETAIL F** on page 6. On installations where this will be exposed, notch top of jamb or miter jamb and head at the corner as shown on **DETAIL G**. In either case jamb must be cut longer. Always install jamb on top of track as shown on **DETAIL H**



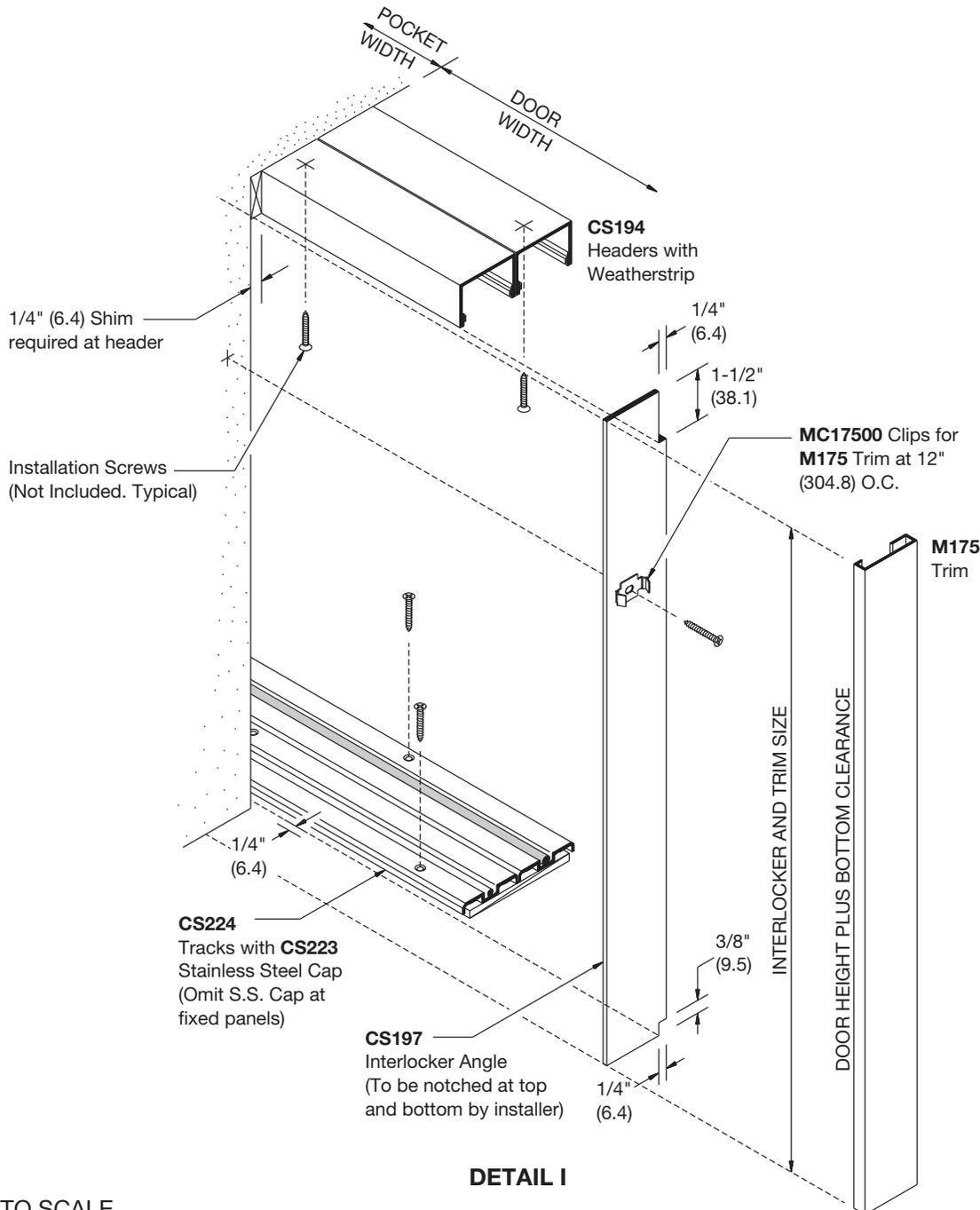
7. On doors with fixed panels install door **ALIGNING CHANNELS** on track. Use two aligning channels per fixed panel. Locate first channel 3" (76.2) away from jamb and second channel at **PANEL WIDTH** minus 9" (228.6) from first. See **DETAIL H**



NOT TO SCALE

POCKET DOORS - FRAME INSTALLATION

1. Cut HEADERS and TRACKS to DOOR WIDTH PLUS POCKET (S) WIDTH. **Headers and tracks run continuous.**
NOTE: Pocket doors require a 1/4" (6.4) shim between header and pocket wall to clear interlockers.
See DETAIL I
2. Locate TRACKS 1/4" (6.4) away from pocket wall; shim to level and secure to floor with screws as shown on **DETAIL E** page 5. Locate installation screws 24" (609.6) O.C. maximum.
3. Install HEADERS making sure they are plumb with TRACKS.
4. Cut LOCKING JAMB to DOOR HEIGHT MINUS 1-7/8" (47.6). **Locking Jamb runs between headers and tracks.**
5. Cut INTERLOCKER ANGLE and TRIM to DOOR HEIGHT PLUS BOTTOM CLEARANCE. Interlocker Angle and trim run from top of header to floor. Interlocker angle must be notched at top and bottom. (Field fabrication).
See DETAIL I



NOT TO SCALE

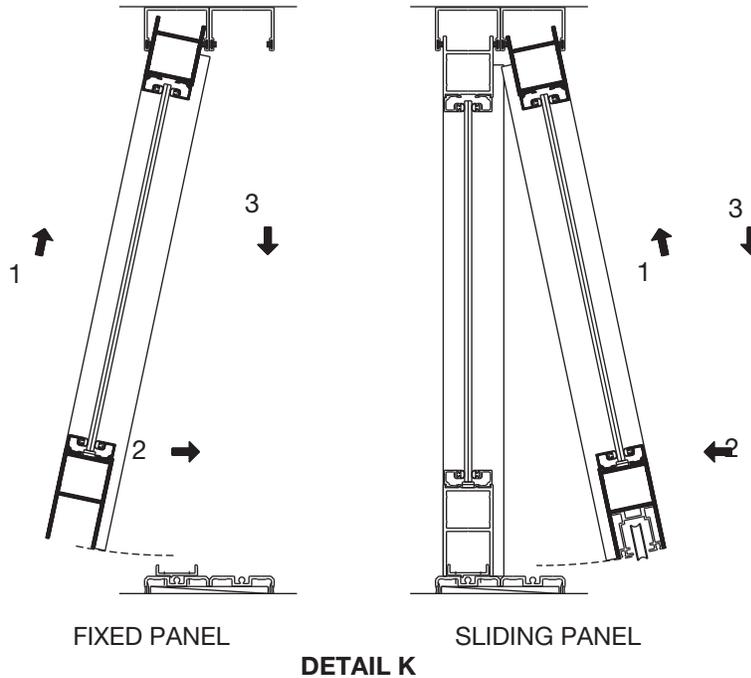
DOOR PANEL INSTALLATION

FIXED PANELS:

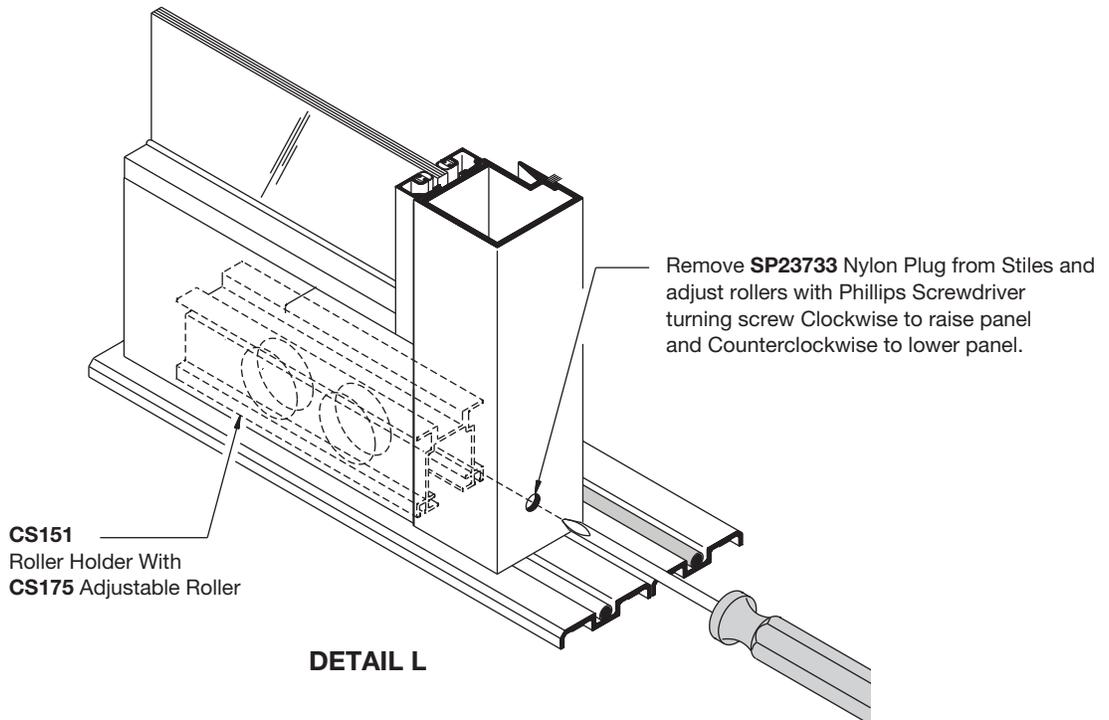
1. Push panel into header at an angle, swing bottom to vertical plane and over panel aligning channels, lower into sill, and push into jamb.

SLIDING PANEL:

2. Working in sequence shown on **DETAIL K** install remaining panels.



3. Remove **SP23733** Nylon Plugs from bottom of stiles. Adjust rollers through holes on both stiles to align panels and ensure proper engagement of hookbolt lock. Turn adjusting screws clockwise to raise panel and counterclockwise to lower it. See **DETAIL L**. Reinstall **SP23733** plugs.



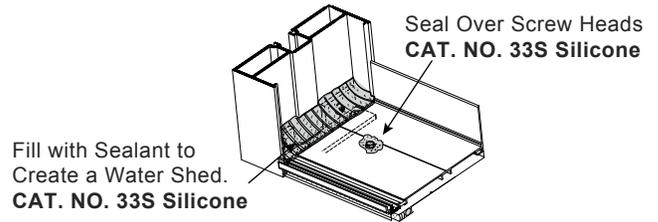


GUIDE TO SEALANTS

WATERPROOFING

- CRL 33S ACETIC CURE SILICONE

NOTE: Not for use near insulating glass units with butyl sealant.

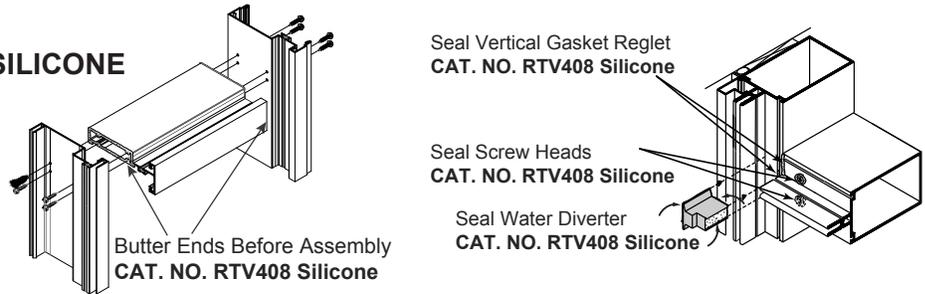


Sill to Subsill, End Dams, Screw Heads, and Threshold to Door Frame Sealing.

JOINT ADHESIVE

- CRL RTV408 NEUTRAL CURE SILICONE

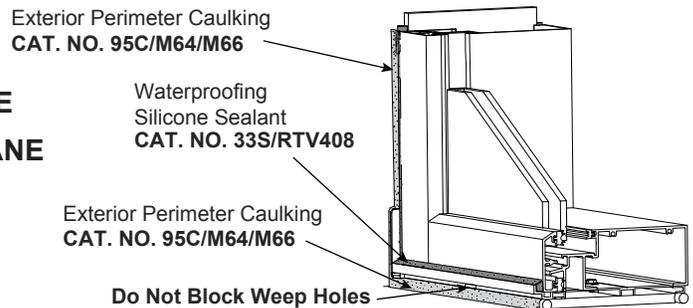
NOTE: I.G. butyl contact OK.



Small Joints, End Joints and Buttered Surfaces, Water Diverters and Reglet Fills.

PERIMETER

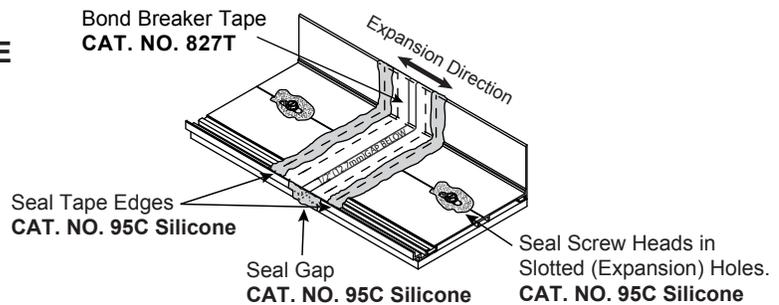
- CRL 95C NEUTRAL CURE SILICONE
- CRL M64 (SMOOTH) MODIFIED POLYURETHANE
- CRL M66 (TEXTURED) MODIFIED POLYURETHANE



Perimeter Seals, Expansion Joints, Sill and Threshold Beds, Concrete, Wood, and Steel Openings.

EXPANSION

- CRL 95C NEUTRAL CURE SILICONE



Expansion Joints.

STRUCTURAL

- ALL STRUCTURAL SEALANTS REQUIRE TESTING AND APPROVAL.

Glass-to-Glass or Glass-to-Metal.



JOB SITE ESSENTIALS

Helpful Tools and Supplies for Installing CRL U.S. Aluminum Entrances, Storefronts, Windows, and Curtain Wall Systems



CRL 95C Silicone Building Sealant



CRL RTV408 Neutral Cure Silicone



CRL33S Silicone Sealant



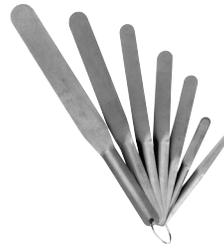
CRL M64 Modified Smooth Polyurethane Construction Sealant



CRL M66 Modified Grainy Polyurethane Construction Sealant



**CRL12:1 Ratio Strap Frame Caulking Gun
CAT. NO. GA1203**



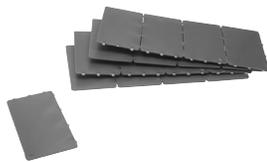
**CRL Complete Set of Seven All Stainless Steel Spatulas
CAT. NO. AB958G**



CRL Open Cell Backer Rod



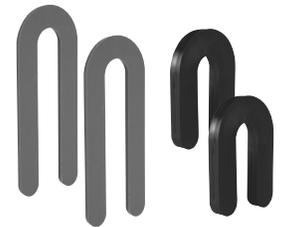
**CRL Backer Rod Roller Tool
CAT. NO. SBRR**



**CRL PBS Series Plastic Bearing Shimstrips
CAT. NO. PBS06**



**CRL Saint-Gobain/Norton V2100 Thermalbond® Structural Glazing Spacer Tape
CAT. NO. V2100**



CRL PHS Series Plastic Horseshoe Shims



**CRL Flat Head Phillips Sheet Metal Screws
CAT. NO. 6X1FHPSMS**



**CRL Pan Head Phillips Sheet Metal Screws
CAT. NO. 6X1PHPSMS**



**CRL Soft-Face Power Hitter
CAT. NO. ST57532**



**CRL Digital Laser Level Tool
CAT. NO. 406065**

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CRL Bond Breaker Tape



CRL Glass Cutters
CAT. NO. TC17B



CRL Running Pliers
CAT. NO. PPG1



CRL Vacuum Cup
CAT. NO. S7950



CRL Gasket Roller
CAT. NO. VR10



CRL Gasket Cutter
CAT. NO. MC80N



CRL Glass Cleaner
CAT. NO. 1973



CRL Glass Wipes
CAT. NO. 1550



CRL Tape Measure
CAT. NO. 54125



CRL Glazier's Rule Holder
CAT. NO. RH670



CRL Phenolic L Square
CAT. NO. L48



CRL Spring Clamp
CAT. NO. JC3202HT



CRL Glass Marking Pencil
CAT. NO. GM44



CRL Belt Sander
CAT. NO. LD321



CRL Glass Grinding Belts



CRL Portable Ladder
CAT. NO. 6206



CRL Gloves
CAT. NO. KF1TL



CRL Utility Knife
CAT. NO. K82



CRL Utility Knife Blades
CAT. NO. 1992C



CRL Cordless Driver/Drill
CAT. NO. 6281DWPE