### INSTALLATION INSTRUCTIONS CRASH RAIL SYSTEMS CRE-4A

#### STORAGE, HANDLING & ENVIRONMENTAL CONDITIONS:

1. All materials shipped unassembled. Store vertically or on flat horizontal surface.

2. Begin installation only after finish construction has been completed and building interior has been within temperature range intended for continued use for at least 24 hours. Cut stainless steel or aluminum components to fit only after they have been at temperature intended for continued use for 24 hours.

#### INSTALLATION:

1. Measure and mark centerline of rail brackets on wall or partition This height is obtained by subtracting 2"[50.8mm] from desired height of top of rail.

2. Measure and mark location of the ends or returns, corners, and joints between abutting lengths, if any, on wall of partition centerline (see Standard Plan Detail). These marks will also indicate the location of rail-end mounting bracket fasteners.

3. Measure and mark intermediate mounting bracket fastener locations on wall or partition. Mounting brackets are required at least every 32"[812.8mm] O.C. max.

4. Drill mounting bracket fastener holes at locations marked.

5. Mount Brackets. For most drywall applications, we recommend 1/4"-20 round head bolts and 1/4" size BB strap-type Toggler brand toggles by Mechanical Plastics. For most masonry applications, we recommend 1/4" lag screws and size A-6 Toggler brand "alligator" anchors by Mechanical Plastics.

6. Mount end returns and corners.

7. Measure and cut rail sections to length as required.

8. Drill and countersink rail sections for 1/4" - 20 attachment screws, using an 9/32" drill and an 82° countersink. Drill one hole on each end of rail section, and two holes for intermediate mounting brackets using layout dimensions shown. Use care to avoid countersinking holes too deep.

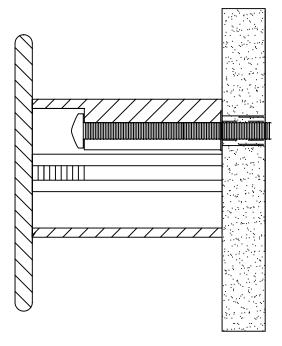
9. Mount rails sections to brackets.

10. Clean rail and brackets.





## PARTS LIST CRE-4A



## CRE-4A

<u>4" ALUM. RAIL #A053CLR</u> ALUM. MOUNTING BRACKET #A056F <u>4" RETURN #A059</u> SELF TAPPING- SCREWS TO MOUNT RAIL TO BRACKET 1/4" X 20 X 3/4" #8142034

# ATTACHMENT AND CORNER DETAIL

