

**NOTES:**

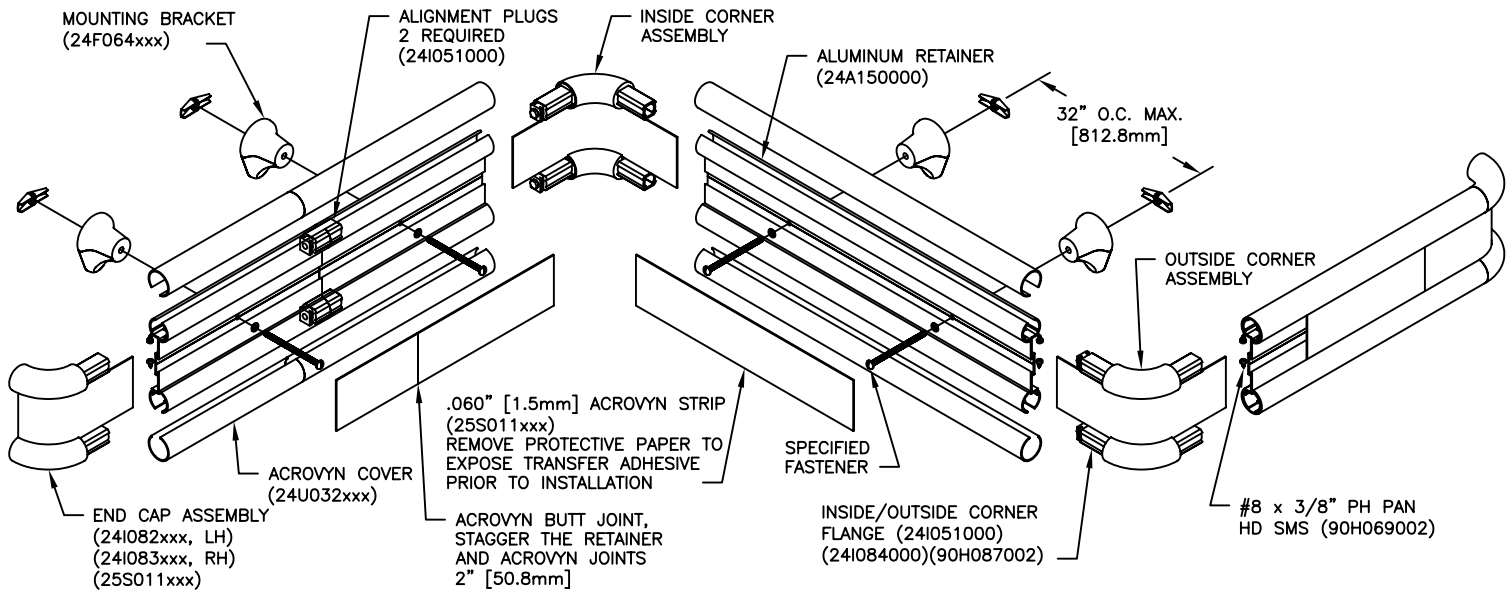
1. MATERIAL MUST REACH 65°F MIN TO 75°F MAX 24 HOURS PRIOR TO INSTALLATION. THIS IS ESSENTIAL TO MINIMIZE EXPANSION AND CONTRACTION OF THE MATERIAL.
2. FOR DRYWALL/PLASTER WALL CONSTRUCTION, IT IS RECOMMENDED FOR FASTENERS TO BE ENGAGED INTO METAL/WOOD STUDS TO MAINTAIN MAXIMUM PULLOUT STRENGTH.
3. ALL DIMENSIONS ARE TYPICAL.

WALL CONDITION	SPECIFIED FASTENER	DRILL DIAMETERS		C/S PART NUMBER
		WALL	RETAINER	
STEEL STUD/GYPSUM WALL	1/4-20 X 4" ROUND HEAD BOLT WITH TOGGLE, AND LOCK WASHER	3/4"	9/32"	90H059002 90H006003
CONCRETE/CONCRETE BLOCK	#14 X 4" PHILLIPS RD HD ALL-PURPOSE SCREW	7/32"	9/32"	90H225002
WOOD STUD/GYPSUM WALL	#14 X 4" PHILLIPS RD HD ALL-PURPOSE SCREW	7/32"	9/32"	90H225002

# INSTALLATION INSTRUCTIONS

2411

## HR-8C HANDRAIL



1. USING LOCAL CODE REQUIREMENTS, ESTABLISH HANDRAIL HEIGHT ABOVE FINISH FLOOR. DEDUCT 3" [76.2MM] AND SNAP A CHALK LINE AT THAT HEIGHT. THIS MARKS THE LOCATION OF THE HOLE FOR THE MOUNTING BRACKET FASTENER.
2. CUT THE CONTINUOUS ALUMINUM RETAINER TO LENGTH USING THE REQUIRED DEDUCTIONS (REFERENCE LAYOUT VIEW). PRE-DRILL CLEARANCE HOLES FOR THE SPECIFIED WALL FASTENERS (SEE NOTE 2) IN THE ALUMINUM RETAINER 3" [76.2MM] FROM EACH END. REFERENCE CHART BELOW LAYOUT VIEW FOR CORRECT DRILL DIAMETERS. ALL OTHER BRACKET HOLES MUST NOT EXCEED 32" [812.8MM] ON CENTER
3. DRILL CLEARANCE HOLES IN WALL SURFACE FOR MOUNTING HARDWARE, USING THE RETAINER AS A TEMPLATE. REFERENCE CHART BELOW LAYOUT VIEW FOR CORRECT DRILL DIAMETERS. USE A LEVEL TO ENSURE RETAINER IS LEVEL.
4. ATTACH ALL END CAPS/INSIDE/OUTSIDE CORNERS BY:
  - DRILL 11/64" DIAMETER CLEARANCE HOLES IN RETAINER 3/4" [19.1MM] FROM THE END OF THE RETAINER.
  - INSERT THE END CAPS INTO THE RETAINER.
  - DRILL 1/8" DIAMETER PILOT HOLES INTO THE END CAP.
  - ATTACH END CAP TO RETAINER USING #8 X 3/8" PHILLIPS PAN HEAD SHEET METAL SCREW.

**NOTE:** TO AID IN LOCATING THE END CAPS CORRECTLY, CUT A 4" [101.6MM] SECTION OF GUARD FROM SCRAP AND SNAP IT ON THE RETAINER. LOCATE THE CAP SO IT ALIGNS FLUSH WITH TOP AND BOTTOM OF THE GUARD.

5. INSTALL EACH SECTION OF RETAINER, IN SUCCESSION, USING THE WALL BRACKETS AND APPROPRIATE HARDWARE.
6. CUT THE ACOVYN STRIP TO THE PROPER LENGTH. THE STRIP LENGTH IS DETERMINED BY MEASURING THE DISTANCE BETWEEN THE INSTALLED END CAPS AND/OR INSIDE/OUTSIDE CORNER ASSEMBLIES.
7. BEFORE APPLYING THE 3" [76.2mm] WIDE X .060 ACOVYN STRIP TO THE RETAINER, MAKE SURE THE RETAINER SURFACE HAS BEEN THOROUGHLY CLEANED AND IS DRY; FREE OF ANY DIRT, OIL OR GREASE.
8. APPLY THE 3" [76.2MM] WIDE X .060 ACOVYN STRIP TO THE RETAINER BY REMOVING THE PROTECTIVE PAPER FROM THE ADHESIVE. ALIGN THE STRIP WITH THE END OF THE END CAP. RUB THE SURFACE OF THE ACOVYN STRIP WITH A CLEAN CLOTH OR SMOOTHING BRUSH TO ENSURE MAXIMUM ADHESION.
9. CUT THE ACOVYN COVER TO THE PROPER LENGTH. THE COVER LENGTH IS DETERMINED BY MEASURING THE DISTANCE BETWEEN THE INSTALLED END CAPS AND/OR INSIDE/OUTSIDE CORNER ASSEMBLIES.

**NOTE:** IT IS RECOMMENDED THAT THE ACOVYN COVER BE CUT SLIGHTLY LONGER (1/32" [0.8MM] UP TO 5'-0" [1.5M], 1/16" [1.6MM] OVER 5'-0" [1.5M]) THAN THE MEASURED DISTANCE. THIS ADDITIONAL LENGTH WILL PROVIDE FOR A TIGHTER GUARD-TO-END CAP FIT.

10. SNAP THE TOP AND BOTTOM SECTIONS OF THE COVER ONTO THE RETAINER. APPLY PRESSURE OVER THE ENTIRE LENGTH.

**NOTE:** MANUFACTURER RECOMMENDS ALL PRINTED "PRODUCT IDENTIFICATION" ON THE REAR OF THE ACOVYN PROFILE SHALL BE ORIENTED IN THE SAME DIRECTION DURING INSTALLATION TO ENSURE PROPER ALIGNMENT AT SPLICE BUTT JOINTS.

11/26/07

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