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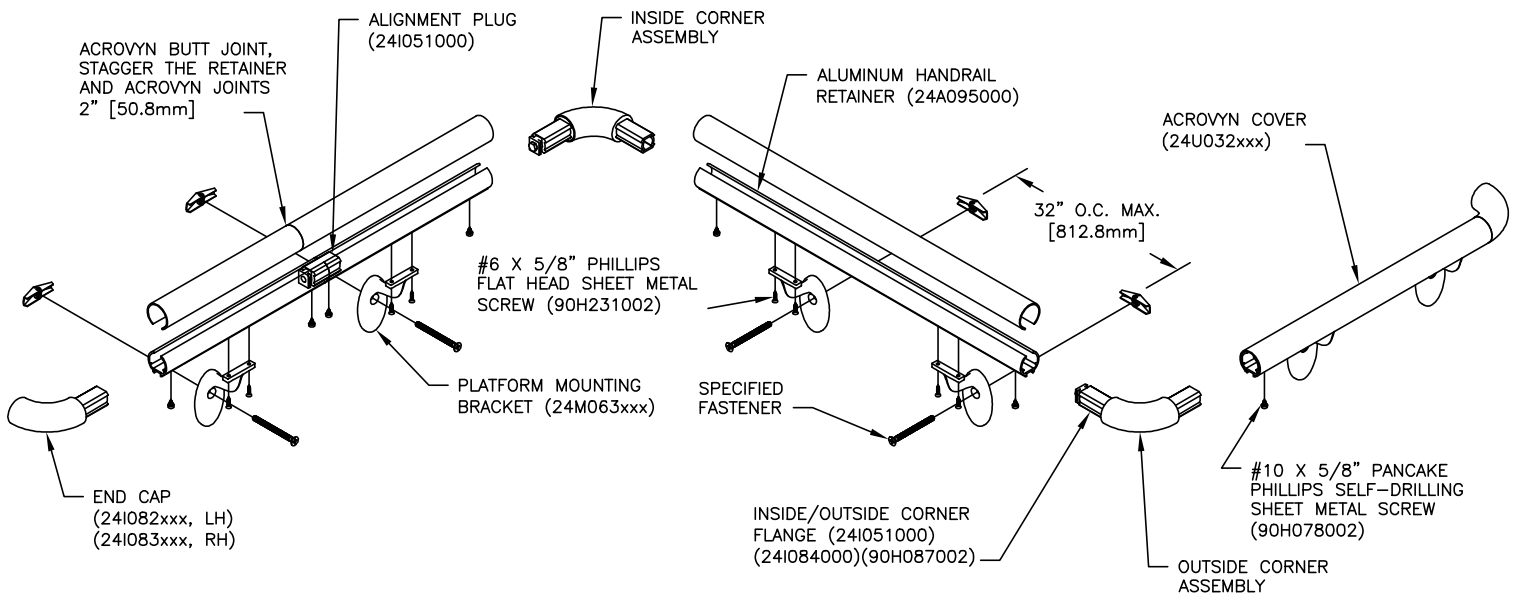
1. MATERIAL MUST REACH 65°F MIN TO 75°F MAX 24 HOURS PRIOR TO INSTALLATION. THIS IS ESSENTIAL TO MINIMIZE EXPANSION AND CONTRACTION OF THE MATERIAL.
2. FOR DRYWALL/PLASTER WALL CONSTRUCTION, IT IS RECOMMENDED FOR FASTENERS TO BE ENGAGED INTO METAL/WOOD STUDS TO MAINTAIN MAXIMUM PULLOUT STRENGTH.
3. ALL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

WALL CONDITION	SPECIFIED FASTENER	DRILL DIAMETERS		C/S PART NUMBER
		WALL	RETAINER	
STEEL STUD/GYPSUM WALL	1/4-20 X 3" FLAT HEAD BOLT/TOGGLE WING	3/4"	9/32"	90H138004
CONCRETE/CONC. BLOCK	1/4" X 1 3/4" FLAT HEAD MASONRY ANCHOR	3/16"	9/32"	90H037004
WOOD STUD/GYPSUM WALL	#14 X 3" PHILLIPS FLAT HEAD WOOD SCREW	7/32"	9/32"	90H536002

INSTALLATION INSTRUCTIONS

24BV

P-RA HANDRAIL



1. USING "LOCAL CODE" REQUIREMENTS, ESTABLISH HANDRAIL HEIGHT ABOVE FINISH FLOOR. DEDUCT 3 3/4" [95.3mm] AND SNAP A CHALK LINE AT THAT HEIGHT. THIS MARKS THE LOCATION OF THE HOLE FOR THE MOUNTING BRACKET FASTENERS.
2. DRILL CLEARANCE HOLES IN WALL SURFACE FOR MOUNTING HARDWARE. REFERENCE CHART BELOW LAYOUT VIEW FOR CORRECT DRILL DIAMETERS.
3. INSTALL MOUNTING BRACKETS USING APPROPRIATE FASTENERS. USE A LEVEL TO ENSURE THAT THE BRACKETS ARE LEVEL.
4. CUT THE CONTINUOUS ALUMINUM RETAINER TO LENGTH USING THE REQUIRED DEDUCTIONS (REFERENCE LAYOUT VIEW).
5. DRILL 1/16" PILOT HOLES INTO THE RETAINER FOR MOUNTING BRACKET ATTACHMENT. MOUNTING BRACKETS ARE TO BE LOCATED 3" [76.2MM] FROM EACH END OF THE RETAINER AND 32" [612.6MM] ON CENTER ALONG LENGTH, AS REQUIRED.
6. ATTACH END CAPS AND INSIDE/OUTSIDE CORNERS:
 - * INSERT THE END CAP INTO THE RETAINER.
 - * DRILL 1/8" DIAMETER PILOT HOLE THROUGH THE BOTTOM OF THE RETAINER AND END CAP, 1" [25.4MM] FROM THE END OF THE RETAINER.
 - * REMOVE END CAP AND DRILL 11/64" CLEARANCE HOLE FOR #10 X 5/8" PHILLIPS PAN CAKE SHEET METAL SCREW.
 - * ATTACH END CAP TO RETAINER WITH THE ABOVE MENTIONED SCREW, UP THROUGH THE BOTTOM OF THE RETAINER.

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.

7. FASTEN THE ALUMINUM RETAINER TO THE WALL BRACKETS IN SUCCESSION BY INSERTING TWO #6 X 5/8" PHILLIPS FLAT HEAD SHEET METAL SCREWS THROUGH THE UNDERSIDE OF BRACKET INTO THE RETAINER. CAUTION: OVER-TORQUEING MAY CAUSE THE FASTENERS TO STRIP.
8. CUT THE ACROVYN 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 ACROVYN 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.

9. STARTING AT ONE END, SNAP THE ACROVYN COVER ONTO THE RETAINER ALONG THE LENGTH OF THE HANDRAIL.

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

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