



BCR-48N CRASH RAIL

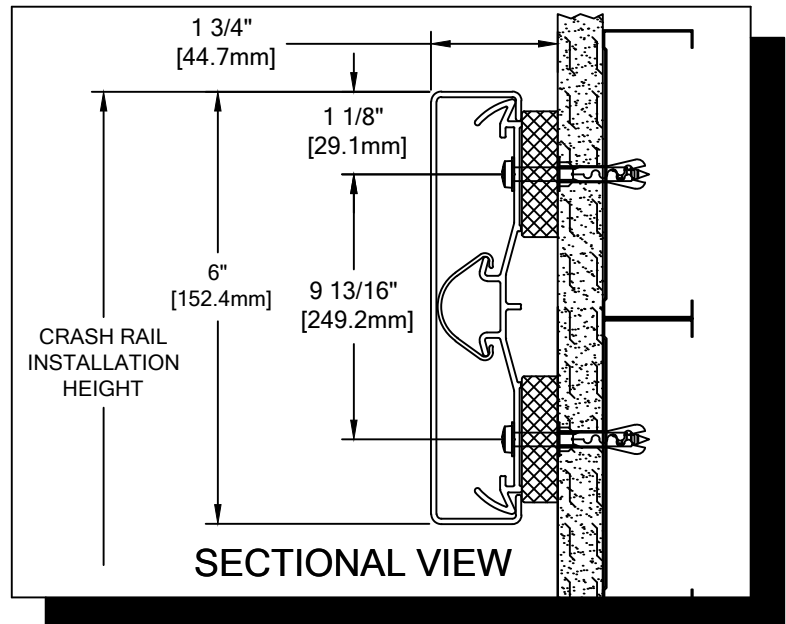
PLEASE READ

PLEASE READ THESE INSTRUCTIONS THOROUGHLY PRIOR TO BEGINNING THE BCR-48N CRASH RAIL INSTALLATION!

THIS INSTRUCTION SHEET IS INTENDED TO PROVIDE A SPECIFIC GUIDE TO FOLLOW FOR THE INSTALLATION OF THIS BCR-48N CRASH RAIL. CONTAINED WITHIN IS THE TECHNICAL INFORMATION AND INSTALLATION TECHNIQUES REQUIRED TO COMPLETE AN EFFICIENT, NEAT AND LONG-LASTING INSTALLATION.

INSPECT ALL MATERIALS FOR DAMAGE OR MISSING PARTS. IF YOU DISCOVER DAMAGED OR MISSING MATERIALS, PLEASE NOTIFY THE OFFICE AT 1300 272 602 OR EMAIL SALES@C-SGROUP.COM.AU.

BCR-48N CRASH RAIL MUST BE INSTALLED IN ACCORDANCE WITH THESE INSTRUCTIONS! FAILURE TO FOLLOW THESE INSTRUCTIONS MAY VOID ANY PRODUCT WARRANTIES AND RESULT IN AN UNSUCCESSFUL INSTALLATION. FOR SPECIFIC QUESTIONS REGARDING THE INSTALLATION OF THIS BCR-48N CRASH RAIL PLEASE CALL THE OFFICE AT 1300 272 602 OR EMAIL SALES@C-SGROUP.COM.AU.



IMPORTANT NOTES

1. ALL LINEAL MATERIAL TO BE SUPPLIED IN STOCK LENGTHS. ALUMINUM AND ACROVYN IN LENGTHS UP TO 10'-0". THIS MATERIAL IS TO BE FIELD CUT USING QUALITY EQUIPMENT TO INSURE THAT ALL CUTS ARE SQUARE. WHEN CUTTING MATERIAL SECTIONS, C/S RECOMMENDS USING AN 80-100 TOOTH CARBIDE TIPPED SAW BLADE OR EQUIVALENT, TO MINIMIZE CHIPPING AND MAINTAIN JOINT ALIGNMENT.
2. ALL DIMENSIONS ARE TYPICAL.
3. FOR DRYWALL/PLASTER WALL CONSTRUCTION, IT IS RECOMMENDED FOR FASTENERS TO BE ENGAGED INTO METAL/WOOD STUDS TO MAINTAIN MAXIMUM PULLOUT STRENGTH.
4. MATERIAL MUST REACH 65°F MIN. TO 75°F MAX. 24 HOURS PRIOR TO INSTALLATION. THIS IS ESSENTIAL TO MINIMIZE EXPANSION AND CONTRACTION OF MATERIAL.
5. ALUMINUM RETAINER SPLICE SHOULD NOT EXCEED 4" [101.6mm] DISTANCE FROM A BRACKET.
6. THE DISTANCE BETWEEN AN ACROVYN SPLICE JOINT AND AN ALUMINUM RETAINER SPLICE JOINT SHOULD BE STAGGERED 6" [152.4mm].
7. THIS CRASH RAIL REQUIRES A MINIMUM OF 2 MOUNTING BRACKETS PER UNIT. THE MINIMUM END CAP-TO-END CAP CRASH RAIL LENGTH IS 9 3/16" [233.1mm].
8. FOR MORE INFORMATION ON BCR-48N CRASH RAIL SEE OUR WEBSITE AT www.c-sgroup.com.

BCR-48N CRASH RAIL

COMPONENTS & WALL FASTENERS



ACROVYN CRASH
RAIL COVER
(24U031xxx)
ACROVYN CHAMELEON COVER
(24U682xxx)



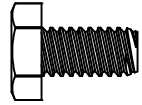
ALUMINUM CRASH
RAIL RETAINER
(24A307000)



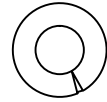
REGRIND BUMPER CUSHION
(24U804108)



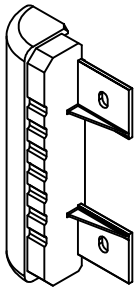
ACROVYN SPLICE COVER
(24F227108)



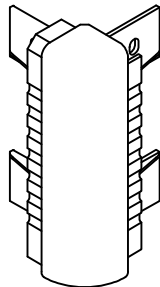
FASTENER #1
1/4-20 X 1/2"
HEX HEAD
MACHINE SCREW
(90H052002)



FASTENER #2
1/4\" x 3/4\" FLAT WASHER
(90H006003)



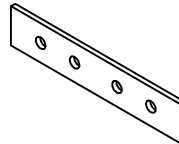
CRASH RAIL END CAP
(24I119xxx)
CHAMELEON END CAP
(24I986xxx)



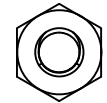
CRASH RAIL OUTSIDE
CORNER ASSEMBLY



MOUNTING CUSHION
(24I066108)



CRASH RAIL
RETAINER SPLICE BAR
(24I976000)



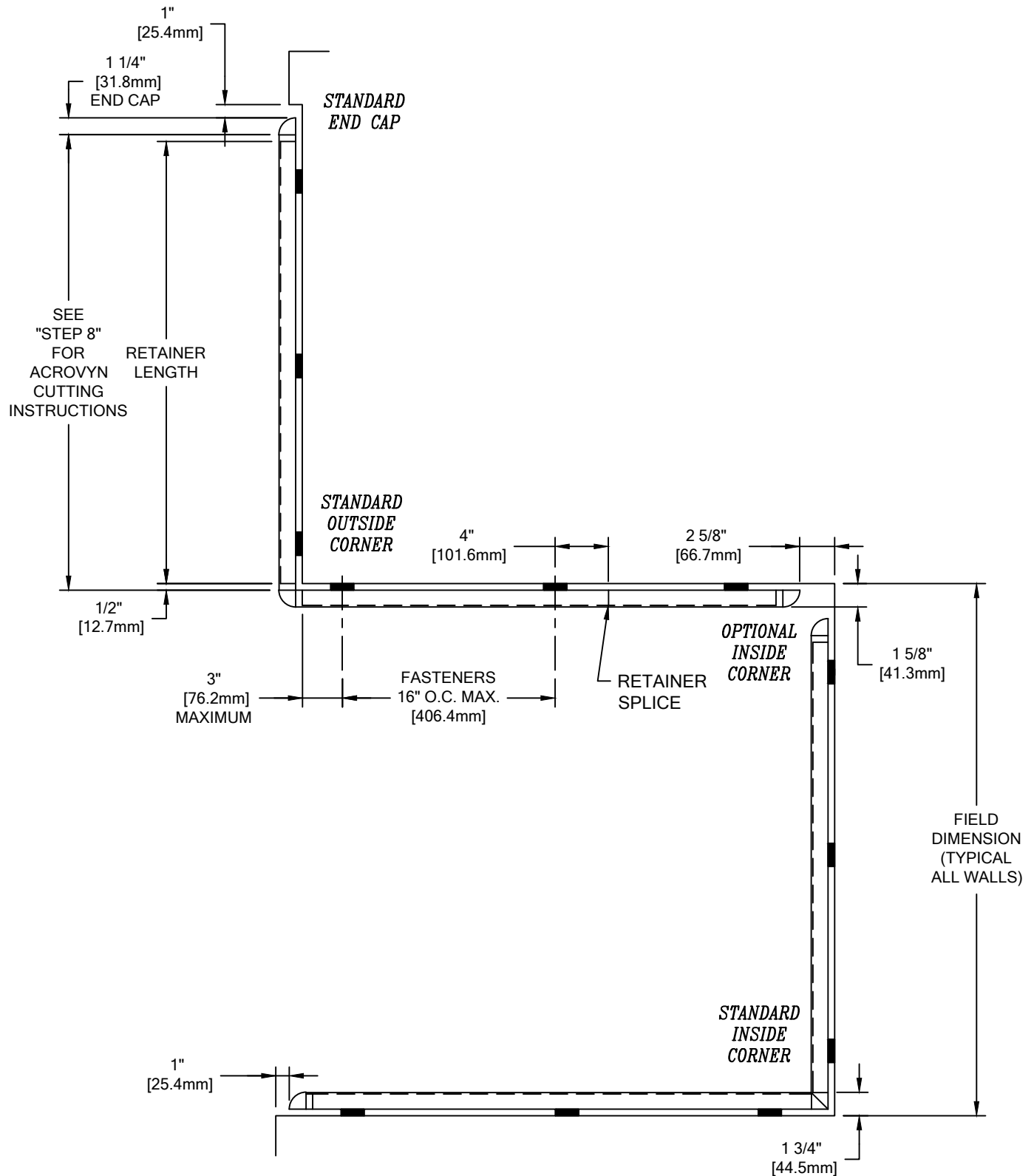
FASTENER #3
1/4-20 HEX NUT
(90H010001)

WALL CONDITION	SPECIFIED FASTENER	DRILL DIAMETERS		C/S PART NUMBER
		WALL	RETAINER	
CONCRETE/CONCRETE BLOCK	#10 X 2" PHILLIPS PAN HEAD SMS 1/4" FLAT WASHER STEEL PLATED SAE AF-6 PLASTIC ANCHOR	1/4"	9/32"	90H191002 90H007003 90H039004
STEEL STUD/GYPSUM WALL	#10 X 2" PHILLIPS PAN HEAD SMS 1/4" FLAT WASHER STEEL PLATED SAE AF-6 PLASTIC ANCHOR	1/4"	9/32"	90H191002 90H007003 90H039004
WOOD STUD/GYPSUM WALL	#9 X 2 1/4" WAFER HD PH DRYWALL SCREW 1/4" FLAT WASHER STEEL PLATED SAE	N/A	N/A	90H421002 90H007003



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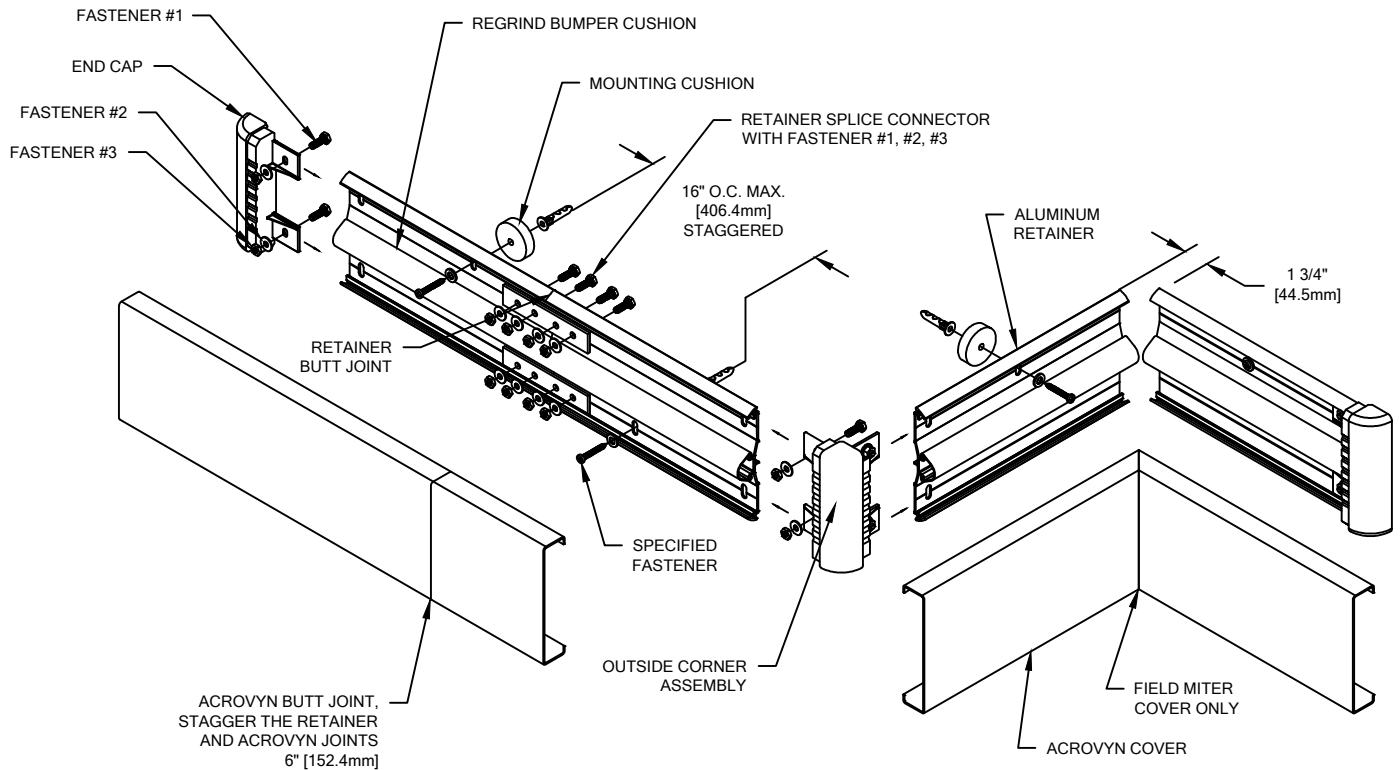
LAYOUT VIEW





BCR-48N CRASH RAIL

TYPICAL ASSEMBLY



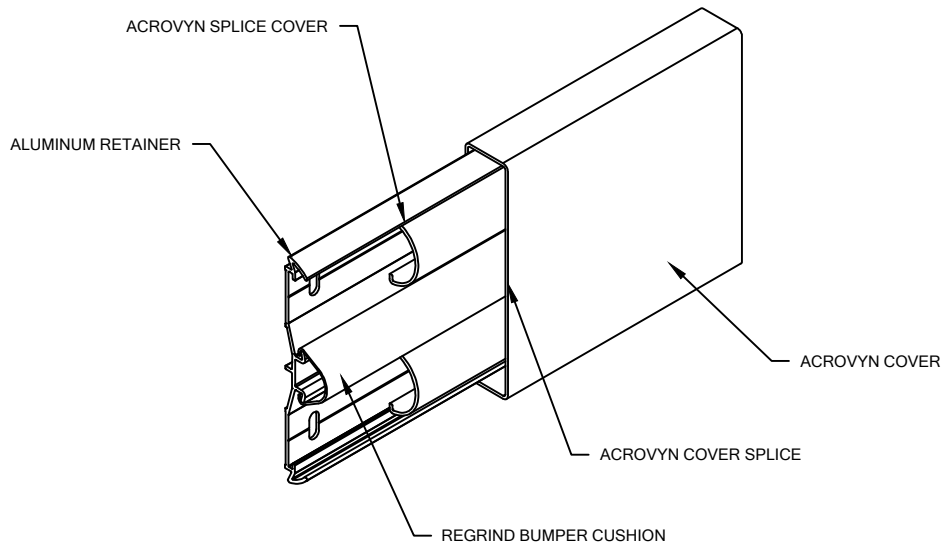
NOTE: INSTALLATION OF LINEAL OR RADIAL BCR-48N CRASH RAIL SHOULD BE DONE IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS.

1. ESTABLISH CRASH RAIL HEIGHT ABOVE FINISH FLOOR. DEDUCT 1 1/8" [29.1mm] AND SNAP A CHALK LINE AT THAT HEIGHT. THIS MARKS THE LOCATION OF THE RETAINER FASTENERS. (SEE SECTIONAL VIEW)
2. CUT THE CONTINUOUS ALUMINUM RETAINER AND REGRIND BUMPER CUSHION TO LENGTH, USING THE REQUIRED DEDUCTIONS AS NOTED (SEE LAYOUT VIEW). PRE-DRILL CLEARANCE HOLES IN THE ALUMINUM RETAINER 16" [406.4mm] O.C., STAGGERED AS REQUIRED. REFERENCE CHART ON PAGE 2 FOR CORRECT DRILL DIAMETERS.

NOTE: IT IS RECOMMENDED THAT THE ACROVYN COVERS AND ALUMINUM RETAINER BE CUT WITH AN 80-100 TOOTH CARBIDE TIPPED SAW BLADE OR EQUIVALENT.

3. USING THE RETAINER AS A TEMPLATE, MARK THE LOCATION OF THE FASTENERS. USE A LEVEL TO INSURE RETAINER IS PLUMB. DRILL CLEARANCE HOLES IN WALL SURFACE FOR MOUNTING HARDWARE. REFERENCE CHART ON PAGE 2 FOR CORRECT DRILL DIAMETERS.
4. ATTACH THE REGRIND BUMPER CUSHION BY ALIGNING IT WITH THE ALUMINUM RETAINER AND SNAPPING IT INTO PLACE.
5. ATTACH THE ACROVYN SPLICE COVERS AT ALL SPLICE JOINTS BY SNAPPING THEM INTO PLACE ABOVE AND BELOW THE REGRIND BUMPER CUSHION (SEE FIGURE 1).
6. ATTACH END CAPS/OUTSIDE CORNERS BY SLIDING THE END CAP/OUTSIDE CORNER ONTO THE END OF THE ALUMINUM RETAINER AND SECURING INTO POSITION USING TWO (2) 1/4-20 X 1/2" HEX HEAD MACHINE SCREWS WITH LOCK WASHER AND 1/4-20 NUT AT EACH END CAP AND FOUR (4) AT EACH OUTSIDE CORNER.

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

BCR-48N CRASH RAIL**SPLICE COVER ASSEMBLY****FIGURE 1.**

7. INSTALL EACH SECTION OF ASSEMBLED RETAINER, IN SUCCESSION, USING THE APPROPRIATE HARDWARE. USE A LEVEL TO INSURE RETAINER IS PLUMB.

NOTE: WHEN FIELD FORMING RADIUS CRASH RAIL, BE SURE TO APPLY NEEDED PRESSURE FROM MOUNTING CUSHION TO MOUNTING CUSHION.

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 OUTSIDE CORNERS.

NOTE: IT IS RECOMMENDED THAT THE ACROVYN COVERS BE CUT SLIGHTLY LONGER (1/32" UP TO 5'-0", 1/16" OVER 5'-0") THAN THE MEASURED DISTANCE. THIS ADDITIONAL LENGTH WILL PROVIDE FOR A TIGHTER COVER-TO-END CAP FIT.

9. ALIGN THE TOP OF THE ACROVYN COVER WITH THE TOP OF THE ALUMINUM RETAINER AND SNAP THE COVER ONTO THE BOTTOM SECTION OF THE RETAINER.

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.