



BCR-40N CRASH RAIL

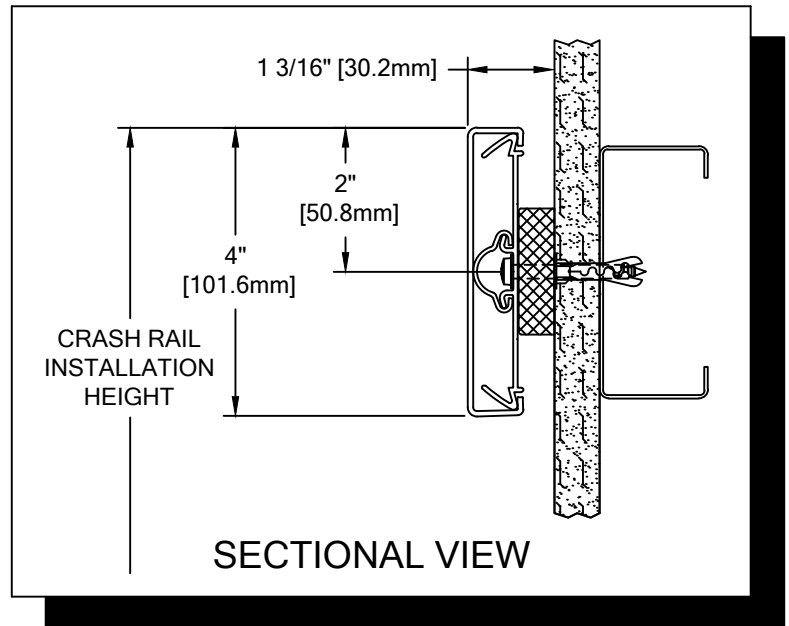
PLEASE READ

PLEASE READ THESE INSTRUCTIONS THOROUGHLY PRIOR TO BEGINNING THE BCR-40N CRASH RAIL INSTALLATION!

THIS INSTRUCTION SHEET IS INTENDED TO PROVIDE A SPECIFIC GUIDE TO FOLLOW FOR THE INSTALLATION OF BCR-40N CRASH RAIL. CONTAINED WITHIN IS THE TECHNICAL INFORMATION AND INSTALLATION TECHNIQUES REQUIRED TO COMPLETE AN EFFICIENT, NEAT AND LONG-LASTING INSTALLATION.

BCR-40N 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 BCR-40N CRASH RAIL PLEASE CALL THE OFFICE AT 1300 272 602 OR EMAIL SALES@C-SGROUP.COM.AU.

INSPECT ALL MATERIALS FOR DAMAGE OR MISSING PARTS. IF YOU DISCOVER DAMAGED OR MISSING MATERIALS, IN THE USA PLEASE NOTIFY 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 4" [101.6mm].
7. THIS CRASH RAIL REQUIRES A MINIMUM OF 2 MOUNTING BRACKETS PER UNIT.

BCR-40N CRASH RAIL

COMPONENTS & WALL FASTENERS



ACROVYN CRASH
RAIL COVER
(24U009xxx)
ACROVYN CHAMELEON COVER
(24U616xxx)



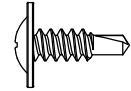
ALUMINUM CRASH
RAIL RETAINER
(24A293000)



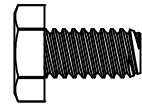
RC-10 CUSHION
(24U952108)



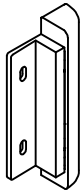
MOUNTING CUSHION
(24I066108)



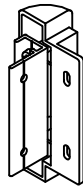
FASTENER #1
#8 X 1/2"
PHILLIPS WAFER
HEAD TEK SCREW
(90H086002)



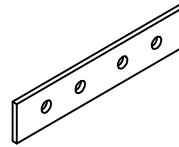
FASTENER #2
1/4-20 X 1/2"
HEX HEAD
MACHINE SCREW
(90H052002)



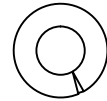
CRASH RAIL END CAP
(24I001xxx)
CRASH RAIL CHAMELEON
END CAP
(24I616xxx)



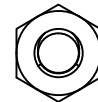
CRASH RAIL OUTSIDE
CORNER ASSEMBLY



CRASH RAIL
RETAINER SPLICE BAR
(24I976000)



FASTENER #3
1/4" X 3/4" FLAT WASHER
(90H006003)



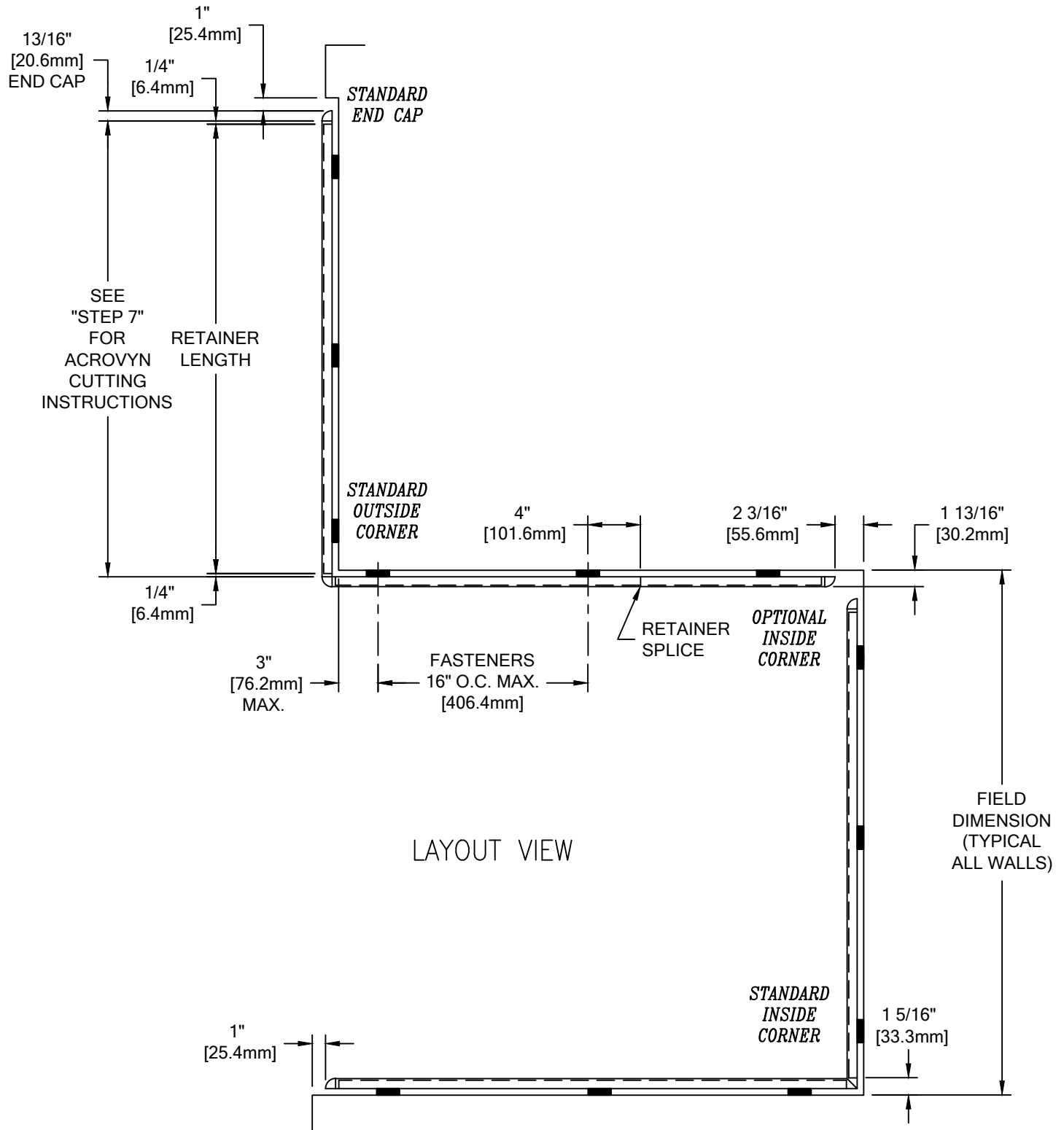
FASTENER #4
1/4-20 HEX NUT
(90H010001)

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 90H101002 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 90H101002 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 90H101002



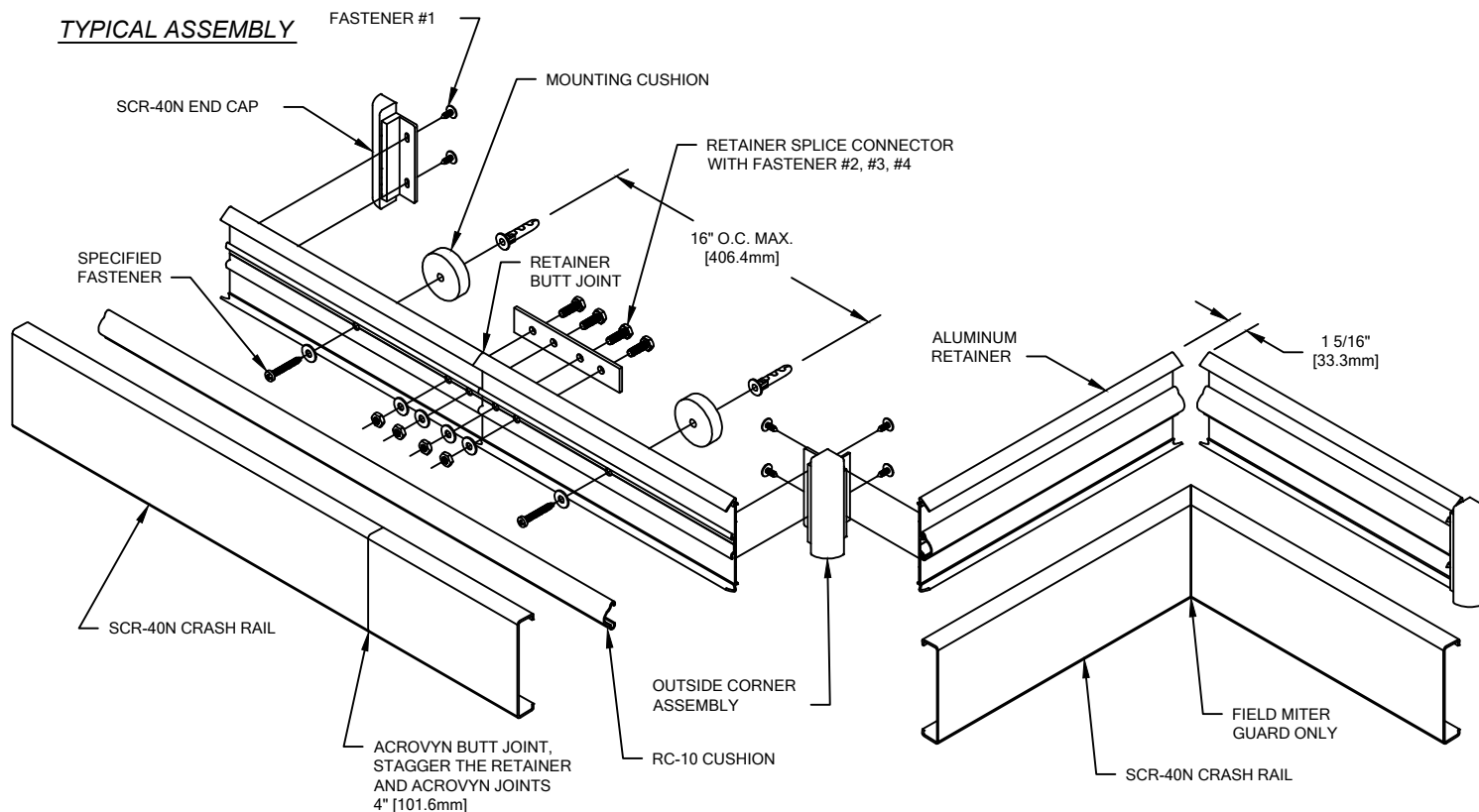
BCR-40N CRASH RAIL

LAYOUT VIEW



BCR-40N CRASH RAIL

TYPICAL ASSEMBLY



1. ESTABLISH CRASH RAIL HEIGHT ABOVE FINISH FLOOR. DEDUCT 2" [50.8mm] 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 TO LENGTH, USING THE REQUIRED DEDUCTIONS AS NOTED (SEE LAYOUT VIEW). PRE-DRILL CLEARANCE HOLES IN THE ALUMINUM RETAINER 16" [406.0mm] O.C. AS REQUIRED. REFERENCE CHART ON PAGE 2 FOR 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. DRILL CLEARANCE HOLES IN WALL SURFACE FOR MOUNTING HARDWARE, USING THE RETAINER AS A TEMPLATE. REFERENCE CHART ON PAGE 2 FOR DRILL DIAMETERS.

4. ATTACH END CAPS/OUTSIDE CORNERS BY ALIGNING THE END CAP/OUTSIDE CORNER WITH THE END OF THE ALUMINUM RETAINER AND SECURING INTO POSITION USING TWO 1/2" WAFER HEAD TEK SCREWS AT EACH END CAP AND FOUR AT EACH OUTSIDE CORNER.

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 ASSEMBLED RETAINER, IN SUCCESSION, USING THE MOUNTING CUSHIONS AND THE APPROPRIATE HARDWARE. USE A LEVEL TO ENSURE RETAINER IS PLUMB.
6. CUT THE RC-10 CUSHION TO LENGTH NOTING THE REQUIRED DEDUCTIONS (SEE LAYOUT VIEW) AND INSTALL ONTO ALUMINUM RETAINER.
7. CUT THE ACROVYN GUARD TO THE PROPER LENGTH. THE GUARD 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 GUARDS 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 GUARD-TO-END CAP FIT.

8. ALIGN THE TOP OF THE ACROVYN GUARD WITH THE TOP OF THE ALUMINUM RETAINER AND SNAP THE GUARD 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.