

ProTek Systems, Inc.

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INSTALLATION INSTRUCTIONS - CRS-200 SERIES CRASH RAIL

GENERAL

1. ALL STAINLESS STEEL COVERS ARE SHIPPED IN STOCK LENGTHS OF 8'-0" OR 10'-0" TO BE CUT IN THE FIELD TO FIT.
2. CAREFULLY MEASURE AND MARK ALL HOLES TO BE DRILLED TO ACHIEVE A PROPERLY SUPPORTED AND LEVEL INSTALLATION.

GUIDELINES FOR INSTALLATION:

1. DETERMINE THE BOTTOM OF CRASH RAIL HEIGHT ON THE WALL OR SUBSTRATE AND SNAP A CHALK LINE 1/16" BELOW TO LOCATE THE BOTTOM OF THE MOUNTING BRACKETS.
IMPORTANT: STORE MATERIAL IN A CLEAN DRY PLACE WHERE TEMPERATURE IS MAINTAINED ABOVE 41°F (5°C). ACCLIMATE MATERIALS TO NORMAL BUILDING CONDITIONS FOR AT LEAST 24 HOURS BEFORE CUTTING AND INSTALLING.
2. MEASURE AND MARK END POINTS OF CRASH RAIL ON THE CHALK LINE. ALLOW AT LEAST 4" NOMINAL CLEARANCE FROM INSIDE CORNERS AND AT LEAST 1" NOMINAL CLEARANCE FROM ALL OTHER TERMINATIONS TO ALLOW FOR END PLATE ATTACHMENT.
3. MEASURE AND CUT S/S COVER SECTIONS TO LENGTH FOR EACH CRASH RAIL SEGMENT.
4. DEBUR AND CLEAN ANY SHARP EDGES ON THE STAINLESS STEEL COVERS AS NECESSARY.
5. INSTALL MOUNTING BRACKETS. THE CRASH RAIL IS SUPPLIED WITH THREE STYLES OF MOUNTING BRACKET. THE WIDER 3" SPLICE BRACKETS ARE USED WHERE SECTIONS OF RAIL BUTT TOGETHER. THE SHORTER 1 1/2" BRACKETS WITH A WING ON EACH SIDE ARE USED AT THE END OF EACH CRASH RAIL SEGMENT. THE END PLATES FASTEN TO THE WING ON THE WALL BRACKET. THE FLAT 1 1/2" BRACKETS WITHOUT WINGS ARE USED IN ALL OTHER LOCATIONS ALONG THE LENGTH OF THE RAIL. DETERMINE WHERE BUTT JOINTS WILL OCCUR AND LOCATE A 3" SPLICE BRACKET CENTERED AT THOSE LOCATIONS. INSTALL STANDARD MOUNTING BRACKETS BETWEEN SPLICE BRACKETS AND END PLATE BRACKETS. ALIGN THE LOWER EDGE OF ALL BRACKETS WITH THE CHALK LINE. TIGHTEN BRACKETS TO WALL USING A LEVEL OR SQUARE AGAINST THE CHALK LINE TO ENSURE BRACKETS ARE VERTICAL. USE THE FOLLOWING GUIDELINES FOR BRACKET SPACING:
 - LOCATE AN END PLATE MOUNTING BRACKET 1/8" TO 1/4" IN FROM THE END OF THE CRASH RAIL SEGMENT. IF THE END PLATE BRACKET IS MOUNTED OUTSIDE OF THE S/S COVER, THE END PLATES WILL NOT PULL TIGHT AGAINST THE CRASH RAIL ENDS. IF THE END PLATE BRACKET IS MOUNTED TOO FAR INSIDE OF THE S/S COVER, THE SCREWS THAT FASTEN THE END PLATES TO THE BRACKET WILL NOT REACH THE MOUNTING HOLES.
 - SPACE THE STANDARD MOUNTING BRACKETS AT 32" (MAXIMUM) ON CENTER.

NOTE: IF PRE-DRILLING FOR WALL FASTENERS IS REQUIRED (I.E. MASONRY) USE HOLES IN MOUNTING BRACKETS AS A TEMPLATE FOR DRILL LOCATIONS ON THE WALL. USE CAUTION WHEN DRILLING MOUNTING HOLES SO BRACKET INSTALLATION IS PLUMB.

SUGGESTED HARDWARE:

- DRYWALL: BUGLE HEAD DRYWALL SCREWS OR PAN HEAD SHEET METAL SCREWS WITH PILOT HOLE, IN METAL BACKING PLATE.
 - MASONRY: PLASTIC ALLIGATOR® INSERT WITH PAN HEAD SHEET METAL SCREWS.
6. PEEL BACK THE PROTECTIVE FILM FROM THE UPPER AND LOWER EDGES/SURFACES OF THE CRASH RAIL THAT CONTACT THE WALL WHEN INSTALLED. ALSO PEEL BACK FILM ALONG THE BOTTOM OF THE CRASH RAIL WHERE IT WILL SIT ON MOUNTING BRACKETS..
NOTE: THE PROTECTIVE FILM MAY BE ENTIRELY REMOVED IF DESIRED. USE CAUTION TO PROTECT THE SURFACE THROUGH THE REMAINDER OF THE INSTALLATION.
 7. INSTALL CRASH RAIL BY HOOKING THE TOP EDGE OF THE RAIL OVER THE TOP LIP OF THE MOUNTING BRACKETS. THE LOWER EDGE OF THE CRASH RAIL SHOULD REST ON TOP OF THE BRACKET WHERE THE BRACKET EXTENDS OUTWARD FROM THE WALL.

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GUIDELINES FOR INSTALLATION CONT'D:

8. INSTALL END PLATES AT CRASH RAILS ENDS THAT HAVE THE END PLATE MOUNTING BRACKETS ALREADY IN PLACE AND FASTENED TO THE WALL.
9. USING A #11 DRILL (.194) DRILL MOUNTING HOLES IN THE BOTTOM EDGE OF THE CRASH RAIL TO ALIGN WITH MOUNTING HOLES IN IN BRACKETS. INSTALL STAINLESS STEEL POP RIVET THROUGH BRACKET AND CRASH RAIL.
IMPORTANT: CRASH RAIL MUST BE HELD FIRMLY AGAINST THE WALL WHILE DRILLING AND INSTALLING THE RIVET.
10. REMOVE REMAINING PEEL-OFF FILM IF NOT PREVIOUSLY REMOVED. USE CAUTION NOT TO BEND BRACKETS OR OTHERWISE CAUSE DAMAGE TO THE INSTALLATION.