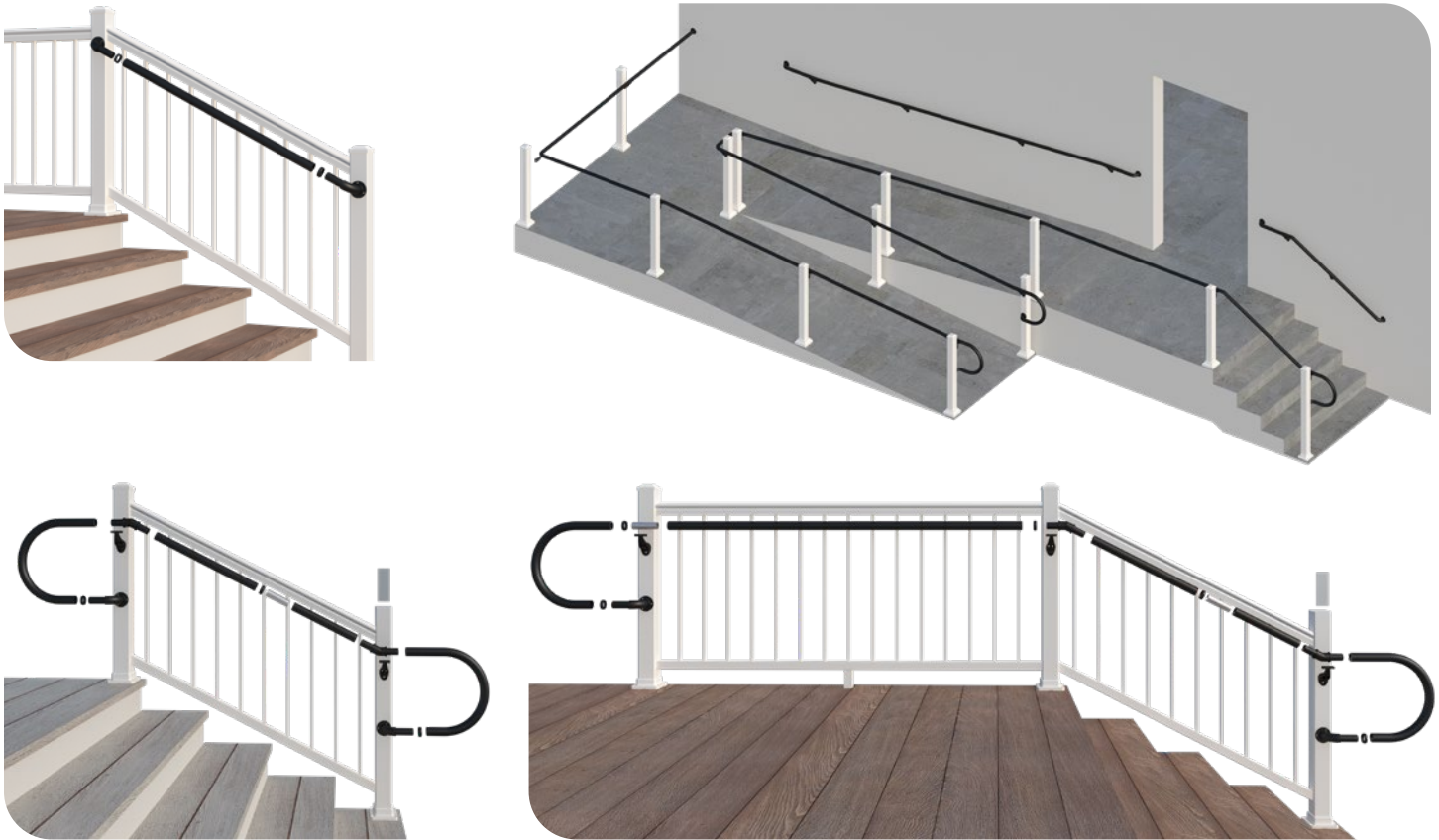
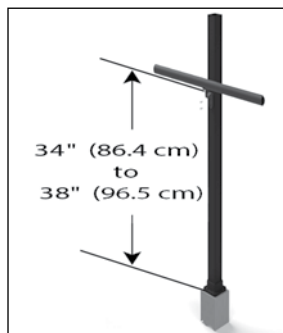


ADA HANDRAILS OVERVIEW



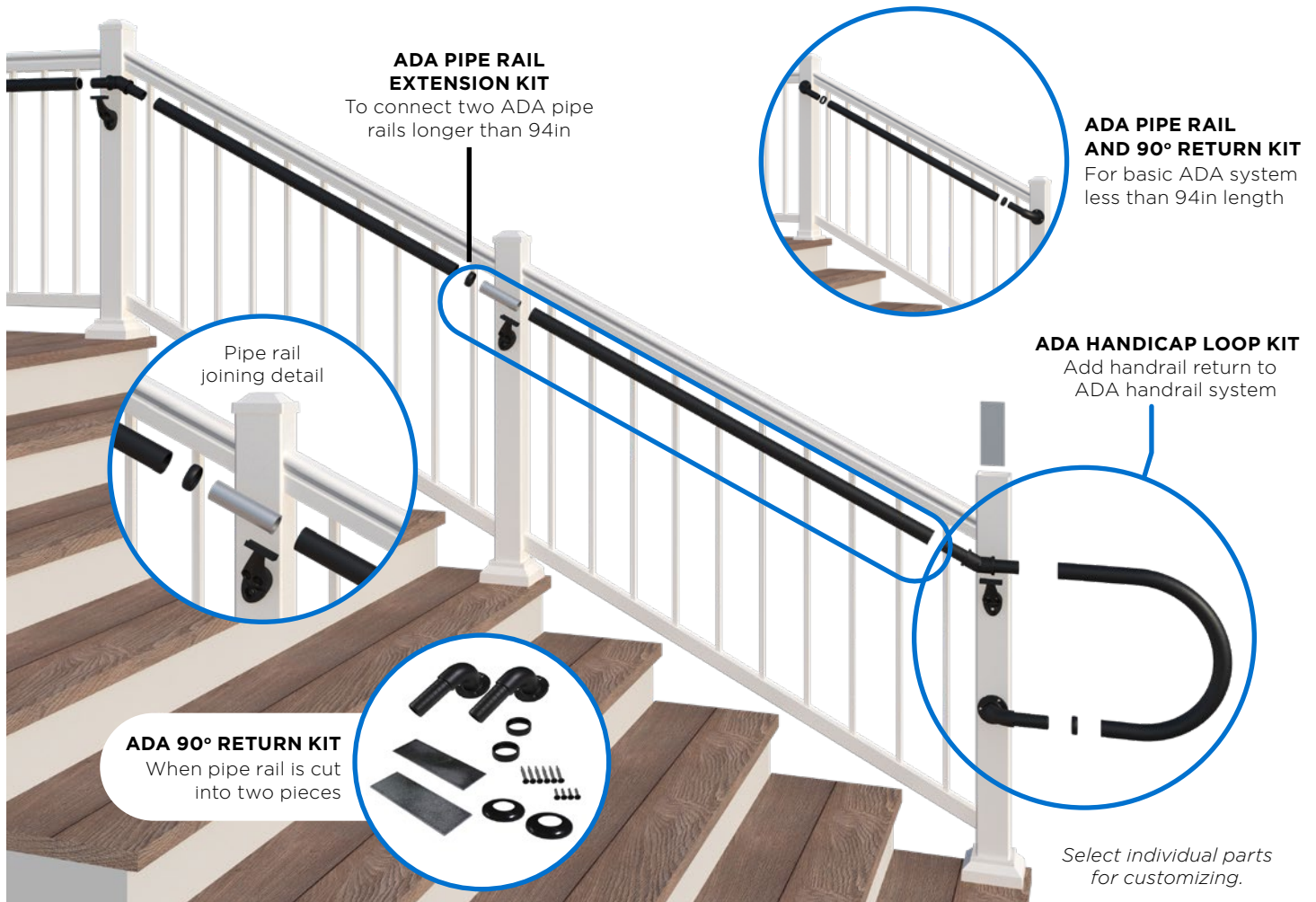
ADA HANDRAIL PLANNING GUIDELINES

1. ADA Handrails can be installed using various design applications such as those for stairs, ramps, and horizontal applications. Designs include options for straight and 90° wall returns, 90° corners, and adjustable angles. Choose which is best for your needs before installing.
2. The Handrail system top rail should be 34in (86.4 cm) to 38in (96.5 cm) above the surface. However, verifying height requirements with local building code officials before installing is important as codes vary in different areas.
3. Maintain a minimum clearance of 1-1/2in (3.8 cm) between the Handrail and any obstructions above or behind the Handrail.
4. The end loop return at all landings must extend 12in (30.5 cm) past the end of the ramp or stair nose.
5. The slope of the Handrail for the ramp should not exceed 1in (2.5 cm) rise over a 12in (30.5 cm) run.
6. The maximum recommended span between supports is 6ft (1.83 m) on center. Thus, placement of posts is critical when installation of railing is being considered.



7. At any straight location where internal connector is used, it is CRITICAL to locate these as close to a wall mount as possible.
 8. If using metal posts, pre-drill all locations for bracket attachment. (Always use a drill bit slightly SMALLER in diameter than the screw being used for attachment.)
 9. All elbow components can be cut down to allow for tighter angles. Cut a maximum of 2in on each side if this is required.
 10. Handrail pipes can be cut to proper length based on location of wall return(s) or attachment to other components.
 11. Cut ADA Loop ends as necessary to ensure that Support Bracket will align properly with 3in post after installation.
 12. Corner Mount can ONLY BE USED ON METAL POSTS and only for horizontal applications, such as stair landings.
 13. Prior to construction, check with your local regulatory agency for special code requirements in your area.
- *Refer to the American Disabilities Act for detailed information in regards to ADA Handrail requirements.

ADA HANDRAILS PLANNER



WHAT YOU WILL NEED	QTY	BLACK	WHITE	BRONZE
ADA HANDRAIL KITS				
MENARDS SKUS / PART NUMBERS				
ADA Pipe Rail and 90° Return Kit		1717885 D	1717888 D	1717882 D
ADA 90° Return Kit		1717896 M	1717897 M	1717898 M
ADA Pipe Rail Extension Kit		1717884 D	1717887 D	1717881 D
ADA Handicap Loop Kit		1717886 D	1717889 D	1717883 D
ADA HANDRAIL PARTS				
PART NUMBERS				
ADA Support Bracket		AD908102B	AD908102W	AD908102Z
Inside Corner Mount		AD908599B	AD908599W	AD908599Z
ADA 90° Elbow		1718192	1718193	1718194
ADA Adjustable Elbow Order 4X #8x3/4in screws for each elbow (sold separately).		1718185	1718186	1718187
Straight End Wall Mount		1718189	1718190	1718191
ADA End Cap (available in black only)		AD905198B	-	-

S=Stocked in Stores D=Menards Distribution Center M=Special Order

Select ADA Handrail Kits are stocked at Menards Distribution Centers. All Parts are Special Order.

WILLIAMS ADA HANDRAILS KITS AND PARTS



ADA PIPE RAIL AND 90° RETURN KIT

Kit includes:
 1 - 94in pipe
 2 - 90° Wall returns and covers
 2 - 3in post backer plates
 2 - Joiner rings
 6 - #10 X 1.5in self-tapping screws
 4 - #8 X 3/4in color matched self-tapping screws
 Installation instructions

Black 1717885 D
 White 1717888 M
 Bronze 1717882 D



ADA PIPE RAIL EXTENSION KIT

Kit includes:
 1 - 94in pipe
 2 - 6in joiners
 2 - Joiner rings
 2 - Rail support brackets with adapters and caps
 1 - Mid span spacer
 2 - 3in post backer plates
 6 - #10 X 1-1/2in self-tapping screws
 8 - #8 X 3/4in color matched self-tapping screws
 Installation instructions

Black 1717884 D
 White 1717887 M
 Bronze 1717881 D



ADA 90° RETURN KIT

Required when pipe rail is cut into two pieces. Does not include 94in pipe rail.

Kit includes:
 2 - 90° Wall returns and covers
 2 - 3in post backer plates
 2 - Joiner rings
 6 - #10 X 1-1/2in self-tapping screws
 4 - #8 X 3/4in color matched self-tapping screws
 Installation instructions

Black 1717896 M
 White 1717897 M
 Bronze 1717898 M



ADA HANDICAP LOOP KIT

Kit includes:
 2 - Handicap loops
 2 - Rail support brackets with adapters and caps
 2 - Adjustable elbows
 2 - 3in post backer plates
 12 - #8 X 3/4in self-tapping screws
 6 - #10 X 1-1/2in self-tapping screws
 Installation instructions

Black 1717886 D
 White 1717889 M
 Bronze 1717883 D



ADA Support Bracket

Use on 2in and 3in Posts.
 Black AD908102B
 White AD908102W
 Bronze AD908102Z



ADA 90° Elbow

Black 1718192 M
 White 1718193 M
 Bronze 1718194 M



ADA Adjustable Elbow

Order 4X #8x3/4in screws for each elbow (sold separately).

Black 1718185 M
 White 1718186 M
 Bronze 1718187 M



Straight End Wall Mount

Black 1718189 M
 White 1718190 M
 Bronze 1718191 M



ADA End Cap

Available in black only.
 P/N: AD905198B

Inside Corner Mount

Black AD908599B
 White AD908599W
 Bronze AD908599Z



ADA handrails can be used for stairs, ramps, and horizontal applications.

ADA Handrail parts are special order.

Find Instructions and Install videos at Williamsrailing.com.

TOOLS RECOMMENDED FOR INSTALLATION



Cordless Drill
(hammer drill for concrete)



Level



Tape Measure and
Pencil



Safety Glasses



Bar Clamps



Miter Saw
(with nonferrous blade)



84-Tooth Nonferrous
Blade



3/16in Drill Bit



3/16in Masonry Drill Bit
(concrete applications)



5/16in and 5/8in
Drill Bits
(for LED Lighting application)



6in #2 Square Drive Bit



Masking Tape