Installation Instructions

3510VM/3510FVM/G2-3510VM/A3510VM Handrail

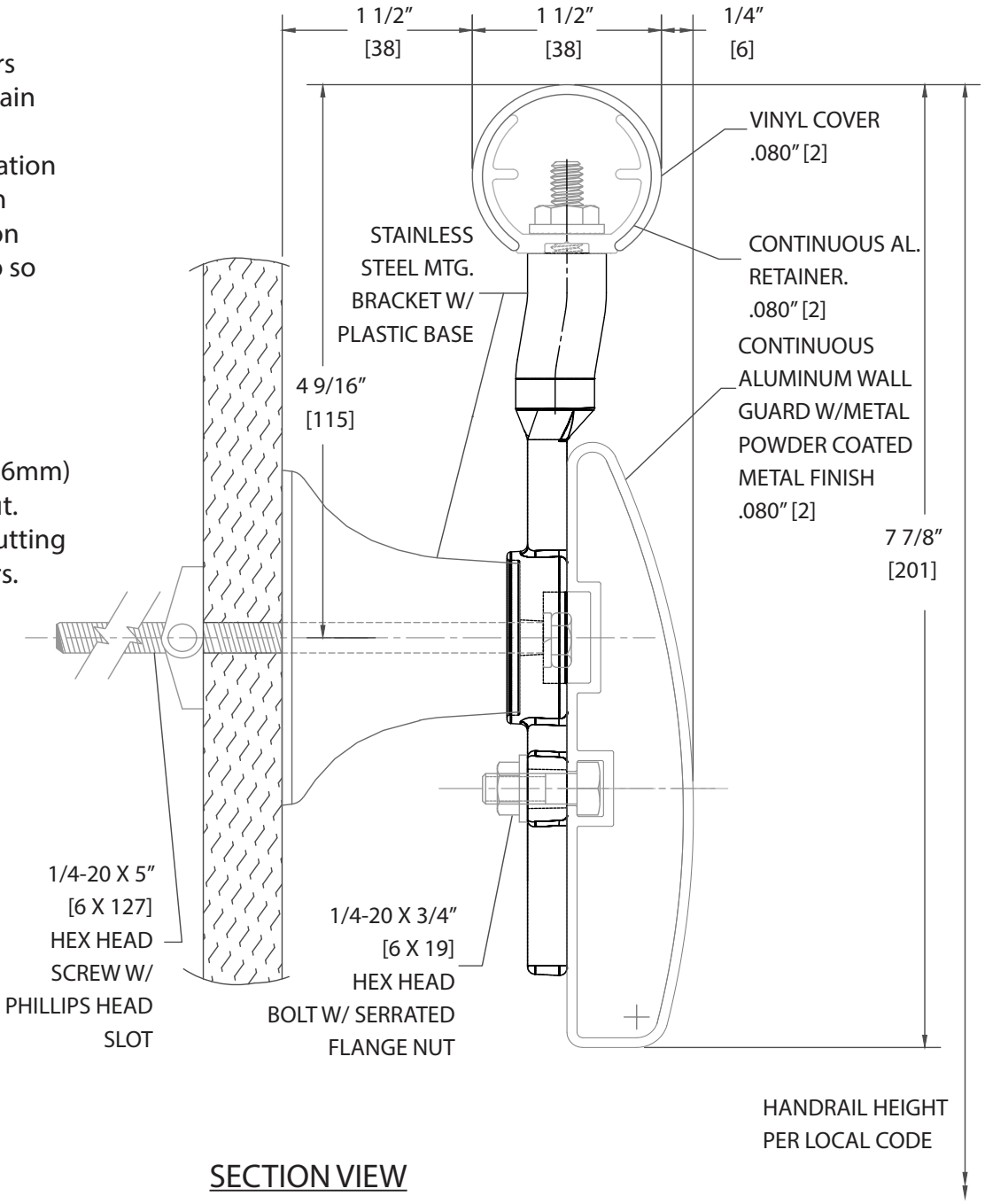
Please read all instructions before installing handrail.

Important

1. Acclimate materials 24 hrs before installation. Maintain temperature controlled environment after installation
2. Install in accordance with manufacturer's installation instructions. Failure to do so will void the warranty.

Installation tips

1. Cut covers up to 1/16" (1.6mm) longer to ensure a tight fit.
2. Lubricate blades when cutting aluminum to reduce burrs.



SECTION VIEW

Recommended tools

Safety Glasses, Tape Measure, 3/8" socket for machine screw hex bolt, 7/16" socket for wood screw hex bolt Level, Power Drill, Drill Bits - 1/4" masonry (concrete/concrete block), Power Miter Saw, 10" Blade with 60-80 Carbide Tipped Teeth

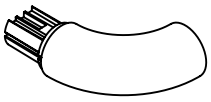
Installation Hotline • 866.EZINPRO
Inprocorp.com • 800.222.5556 • 262.679.9010
World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

IPC® •
DOOR + WALL PROTECTION SYSTEMS
A DIVISION OF INPRO®

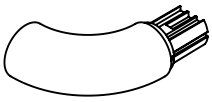
Installation Instructions

3510VM/3510FVM/G2-3510VM/A3510VM Handrail

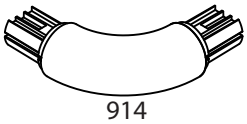
Please read all instructions before installing handrail.



913
RIGHT RETURN

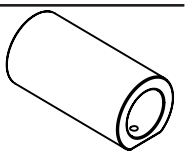


912
LEFT RETURN

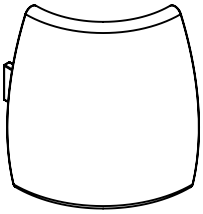


914
OUTSIDE
CORNER

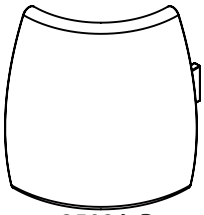
RC9SS-P (OPTIONAL)
LEFT/RIGHT RETURN
OUTSIDE CORNER
ST. STEEL



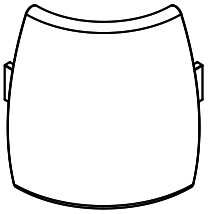
SPL9SS-P (OPTIONAL)
SPLICE
ST.STEEL



3503A-P
RIGHT RETURN



3502A-P
LEFT RETURN



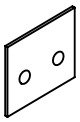
3504A-P
OUTSIDE CORNER

3500M-PC
CONTINUOUS
AL. RETAINER

910A
CONTINUOUS
AL. RETAINER

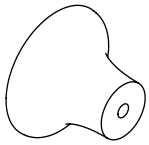
910V
COVER

910-RVL
REVEAL

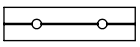


SPLICE
PLATE

3501
BRACKET



1001
MOUNTING
BRACKET



910-SPL
SPLICE

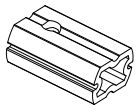
1/4-20
SERRATED
FLANGE NUT

1/4-20 X 7/8"
SLOTTED
PAN HEAD
SCREW

1/4-20 X 3/4"
SERRATED
HEX HEAD
BOLT

#8 X 7/8"
PHILLIPS
PAN SDS
SCREW

#10-24 X 3/8"
SET SCREW



910-SPLINE
SPLINE
FOR SS RETURNS

Wall Condition	Specified Fasteners	Inpro Part#
Steel Stud/Gypsum Wall	1/4-20 x 5" Phillips hex head bolt with toggle wing and lock washer	HWK-1001D
Concrete/Concrete Block	1/4-20 x 5" Phillips hex head bolt with lead anchor and lock washer	HWK-1001C
Wood Stud/Gypsum Wall	1/4" x 5" Hex Head Wood Screw and lock washer	HWK-1001W
16 gauge steel Backer/Gypsum wall	#14 x 4" Indented hex washer, zink-plated TEK screw	HW69
Steel Stud or Metal Backer/Drywall (OSHPD)	1/4-20 x 5" Phillips hex head Bolt with lock washer and 1/4" Hilit Toggler	HWK-1001OD
Concrete/Concrete Block (OSHPD)	1/4" x 4" Torx Hex Washer Head Screw (Hilti Kwik-Con II) and lock washer	HWK-1001OC
Wood Stud or Wood Backer/Gypsum Wall (OSHPD)	1/4" x 5" Hex Head Wood Screw and lock washer	HWK-1001OW

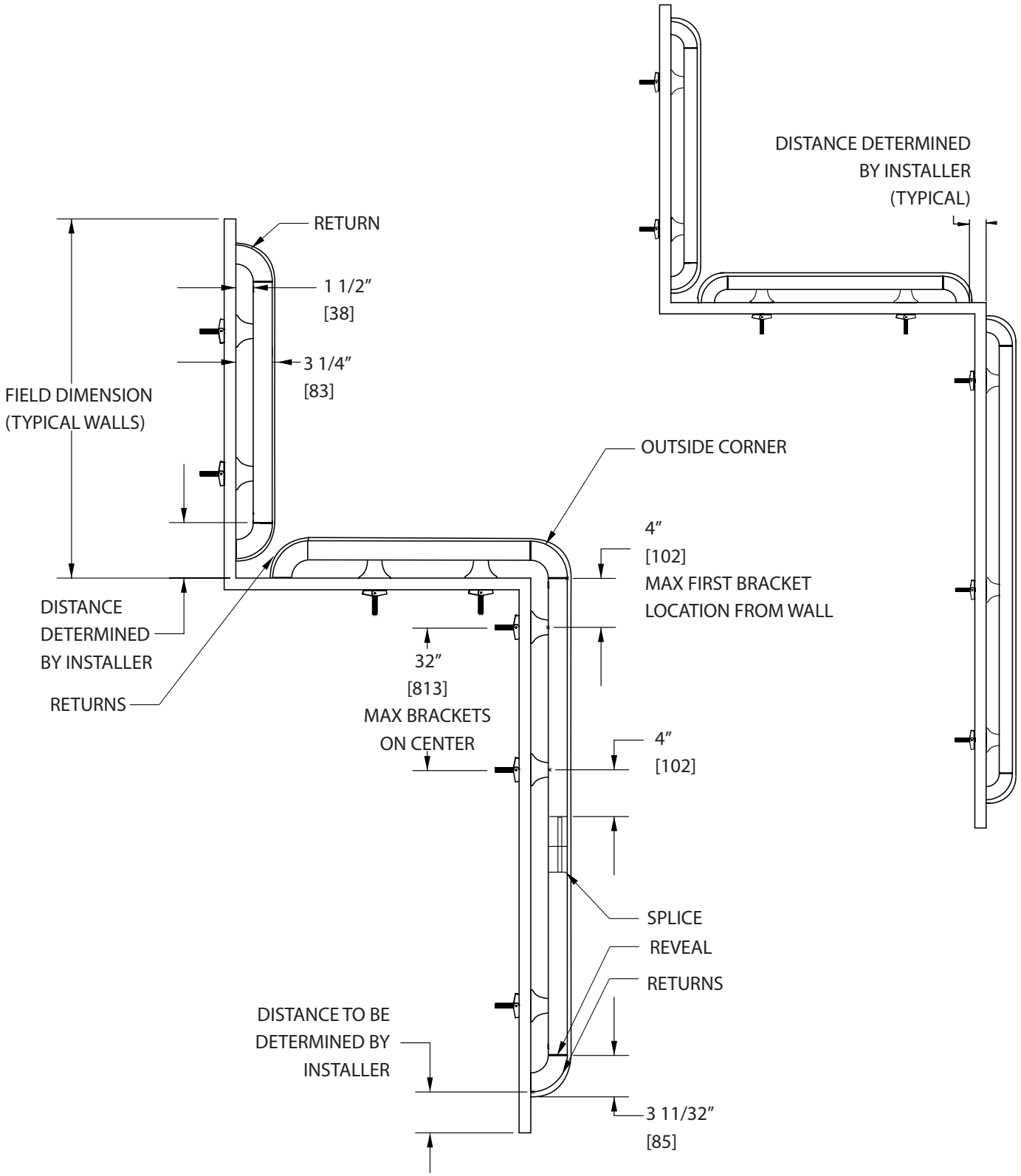
Installation Hotline • 866.EZINPRO
Inprocorp.com • 800.222.5556 • 262.679.9010
World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

IPC®
DOOR + WALL PROTECTION SYSTEMS
A DIVISION OF INPRO®

Installation Instructions

3510VM/3510FVM/G2-3510VM/A3510VM Handrail

Please read all instructions before installing handrail.



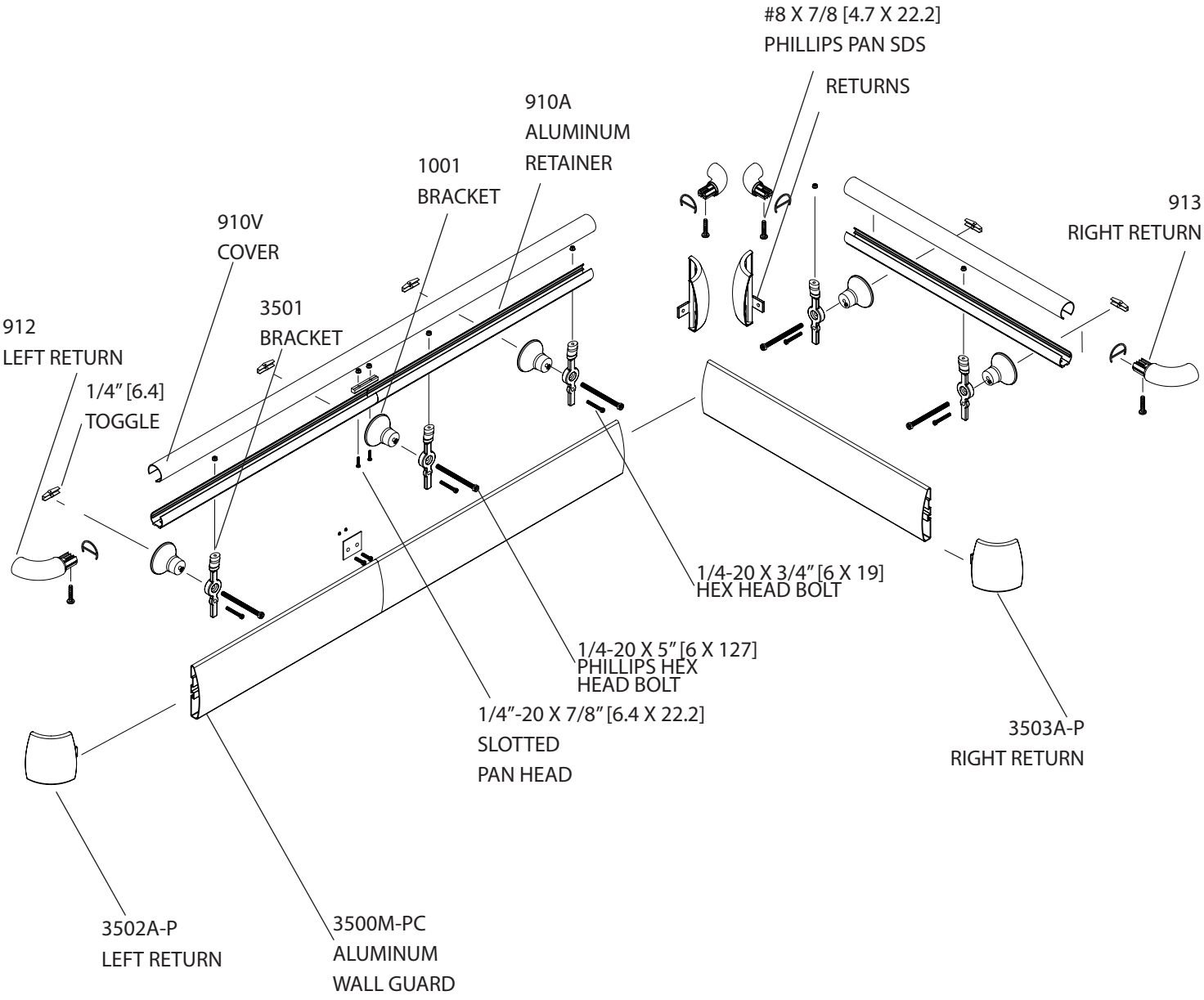
Installation Hotline • 866.EZINPRO
Inprocorp.com • 800.222.5556 • 262.679.9010
World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

IPC®
DOOR + WALL PROTECTION SYSTEMS
A DIVISION OF INPRO®

Installation Instructions

3510VM/3510FVM/G2-3510VM/A3510VM Handrail

Please read all instructions before installing handrail.



Installation Hotline • 866.EZINPRO
Inprocorp.com • 800.222.5556 • 262.679.9010
World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

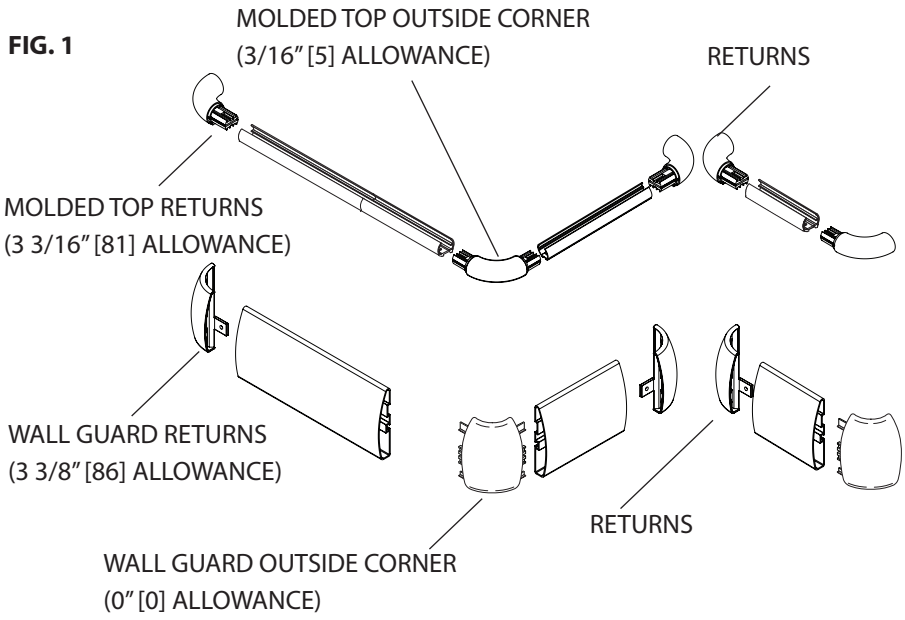
IPC®
DOOR + WALL PROTECTION SYSTEMS
A DIVISION OF INPRO®

Installation Instructions

3510VM/3510FVM/G2-3510VM/A3510VM Handrail

Please read all instructions before installing handrail.

FIG. 1



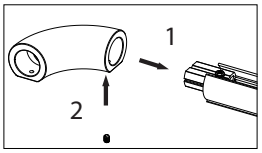
1. Cut aluminum retainer to desired length, leaving allowance for returns, outside corners and inside corner returns. See Fig 1 and 1a for Stainless Steel.

1a. For stainless steel returns and corners, drill holes 3/8" from ends using a 1/4" [6.4] drill bit. Attach spline to aluminum retainers with 1/4-20 x 1 1/8" [6.4 x 28] bolt. Secure returns/corners to spline-retainer from underside using set screw. See Figure 1a.

2. Snap a chalk line 4-9/16" [115mm]below the top of the handrail. Drill 3/4" [19mm] holes for toggle bolts (drywall/metal stud installation), 1/2" [13mm] holes for lead anchor (concrete wall installation) or 1/8" [3mm] pilot hole (wood screw into wood studs). Holes should be 4" [102] from each return or corner and spaced a maximum of 32" [813] on center. Attach the molded bracket and stainless steel bracket extension to the wall. See Figure 2a. NOTE: Orientation of extension brackets. See figure 2b.

3. Measure and transfer the handrail mounting hole locations from the top of the bracket extensions to the handrail aluminum retainer making sure you allow for the returns and corners. Drill 5/16" [8mm]holes at these marks on the v-groove. See Figure 3.

FIG. 1a



STAINLESS STEEL INSIDE/OUTSIDE CORNER/RETURN
0"[0] (ALLOWANCE FOR STAINLESS OUTSIDE CORNERS)
3"[76] (ALLOWANCE FOR STAINLESS RETURNS)

STAINLESS STEEL RETURN/
CORNER ASSEMBLY

FIG. 2a

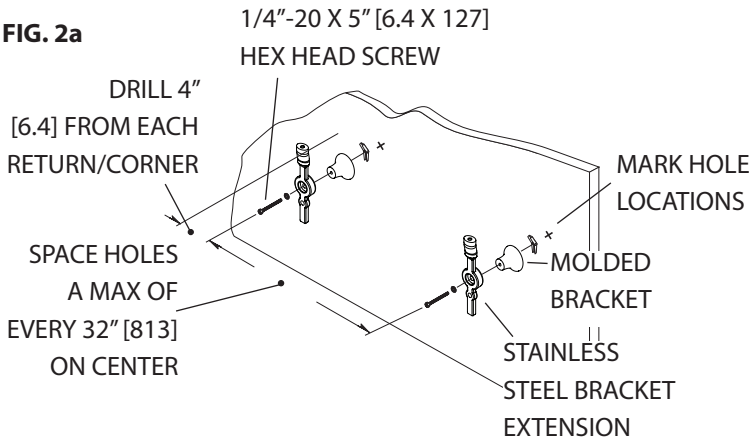


FIG. 2b

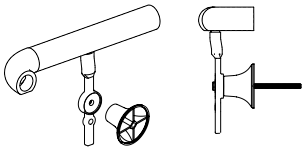
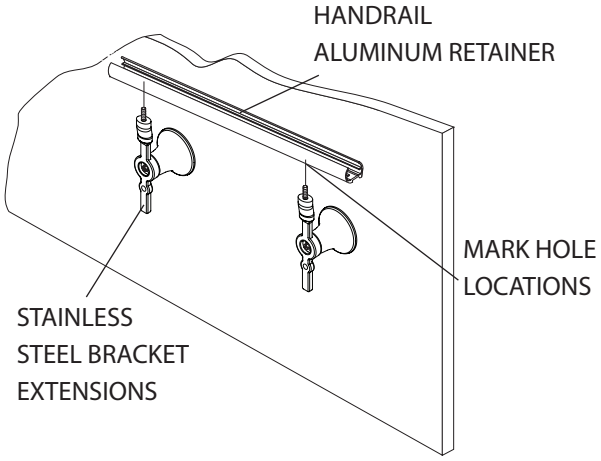


FIG. 3



Installation Hotline • 866.EZINPRO
Inprocorp.com • 800.222.5556 • 262.679.9010
World Headquarters S80 W18766 Apollo Drive, Muskego, WI 53150 USA

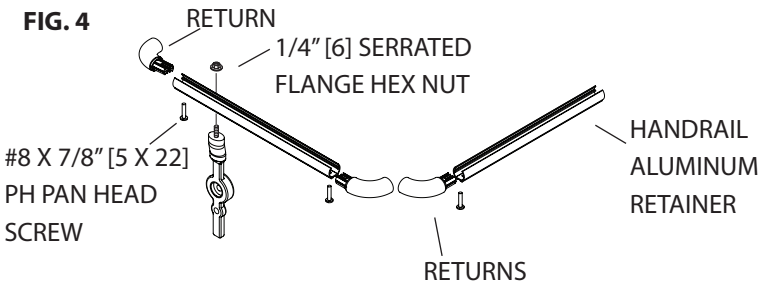
IPC®
DOOR + WALL PROTECTION SYSTEMS
A DIVISION OF INPRO®

Installation Instructions

3510VM/3510FVM/G2-3510VM/A3510VM Handrail

Please read all instructions before installing handrail.

FIG. 4



4. Attach returns and corners to the handrail aluminum retainer. Attach handrail retainer to the stainless steel bracket extension. See Figure 4.

5. Slide the hex head of the 1/4"-20 x 3/4" [6.4 x 19] bolts into the channel on the back of the wall guard. Slide them into position so they align with the holes in the bracket extensions. See Figure 5a. With lengths longer than 12' [3.6M], use a metal plate splice and 1/4"-20x3/4" [6.4 x 19] bolts to join sections. See figure 5b. Attach the wall guard to the bracket extension using a serrated flange hex nut at each locations. See Figure 5c. The handrail aluminum is 3/8" [9.5] shorter than the wall guard. Center the wood wall guard between the ends of the handrail aluminum.

6. Attach wall guard returns and corners to the straight lengths using a 1/4-20 x 3/4" hex head screws and nuts. See Figure 6.

7. Cut the handrail cover to length between returns and/or corners. (NOTE: Trim factory edges square before installation.) Position the cover on retainer at one end and work to the other end by snapping the cover over the retainer. See Figure 7.

FIG. 5a

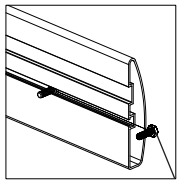


FIG. 5b

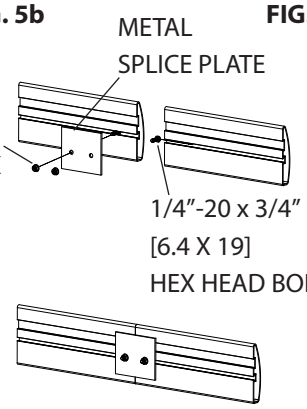


FIG. 5c

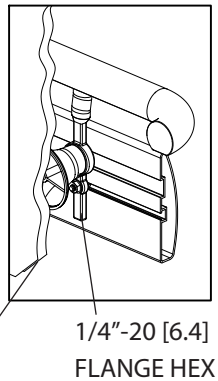


FIG. 6

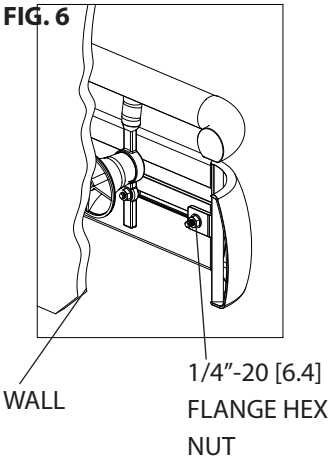
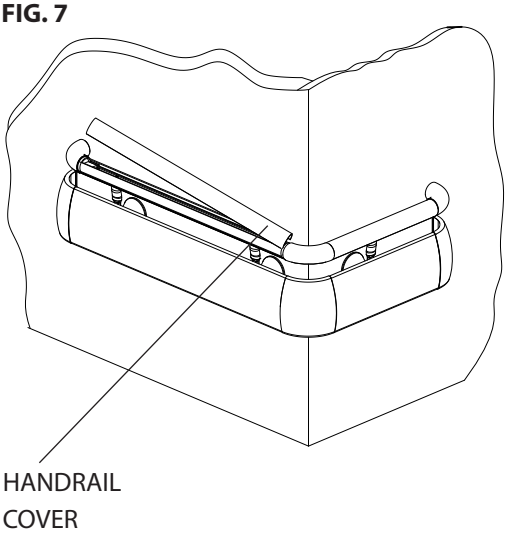



FIG. 7