



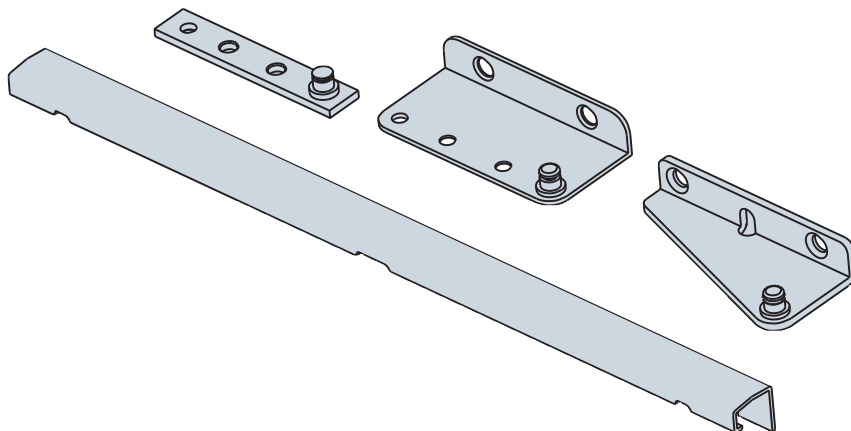
Truth realizes that some profile designs may require a unique stud bracket or track design therefore, Truth has developed a variety of shapes and styles to meet these needs. These brackets and track are intended to serve merely as options to the various “recommended” hardware which Truth has indicated for operators requiring this product. The drawings on the accompanying pages should provide you with all the technical information that you require. However, if you wish further technical assistance in selecting a bracket that works best with your window, please contact Truth. Most brackets are available in both a left- and right-hand version — pay careful attention to this when ordering.

#### **WARRANTY:**

Protected under the terms of the Truth Warranty for Window and Door Manufacturers and Authorized Distributors. Refer to Truth’s Terms and Conditions for further details.

#### **E-GARD® HARDWARE:**

Truth’s E-Gard® Hardware has a multi-stage coating process that produces a superior physical and aesthetic finish. Plus, it is resistant to a wider range of corrosive materials, including industrial cleaning materials and environmental pollutants. This proprietary process has been tested to be approximately three times better than common zinc plated finishes.



#### **ORDERING INFORMATION:**

1. Order part number based from information on accompanying drawings. XX - denote corrosion resistant coating. 92 is the finish code for Truth’s corrosion resistant E-Gard® Hardware.

#### **TRUTH TIPS:**

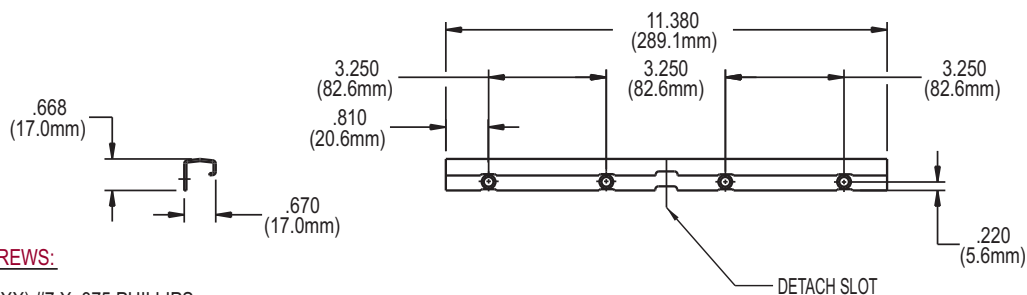
1. For accurate hardware placement in vinyl or metal applications, pre-drilling of the window profile is recommended.

2. For vinyl window applications, mounting screws should pass through two PVC walls, or one PVC wall and one insert wall. For this reason, it may be necessary to use a longer screw than is recommended.

3. For metal window profiles, Truth recommends machine screws. However, in most applications, sheet metal screws will provide adequate holding power.

4. When selecting mounting screws for Truth hardware, coating compatibility is one of the most important criteria. For best corrosion resistance the coating on the screws should be the same as the coating on the hardware. For more information see Tech Note #11.

FIG. 1 SINGLE ARM OPERATOR TRACK 30473.XX

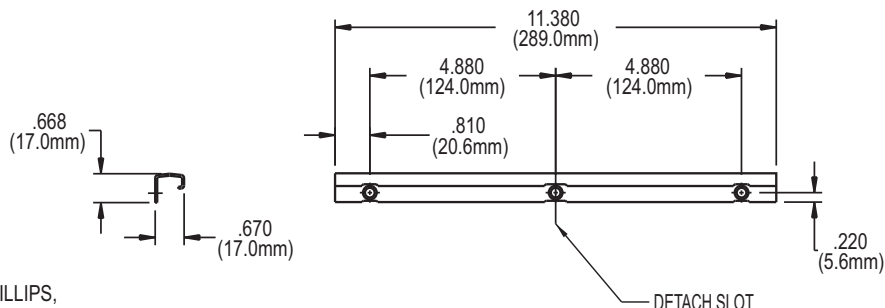


**RECOMMENDED SCREWS:**

WOOD: 4 (P/N 19140.XX) #7 X .875 PHILLIPS, FLAT HEAD, SHEET METAL SCREWS  
PVC & METAL: 4 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

31727 LIMITER TRACK ALSO AVAILABLE

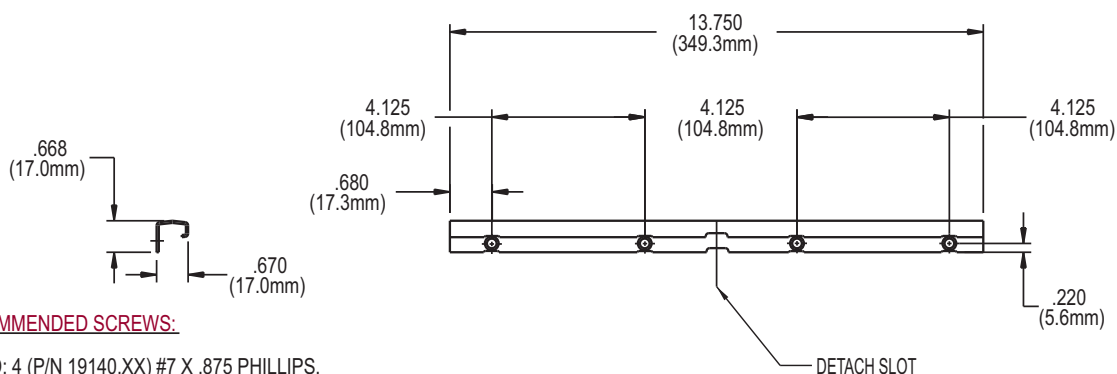
FIG. 2 SINGLE ARM OPERATOR TRACK 30706.XX



**RECOMMENDED SCREWS:**

WOOD: 3 (P/N 19140.XX) #7 X .875 PHILLIPS, FLAT HEAD, SHEET METAL SCREWS  
PVC & METAL: 3 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

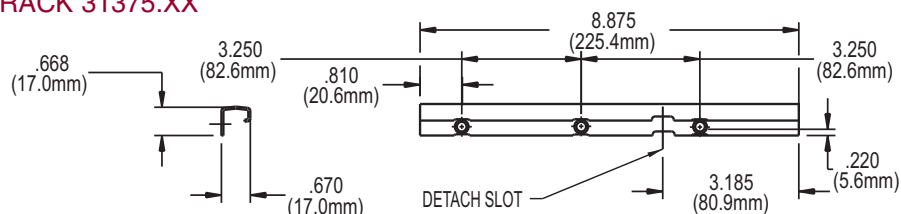
FIG. 3 SINGLE ARM OPERATOR TRACK 30150.XX



**RECOMMENDED SCREWS:**

WOOD: 4 (P/N 19140.XX) #7 X .875 PHILLIPS, FLAT HEAD, SHEET METAL SCREWS  
PVC & METAL: 4 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

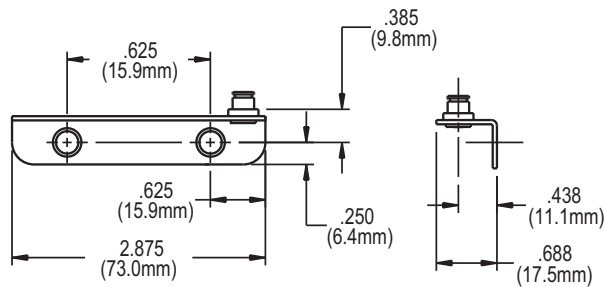
FIG. 4 SINGLE ARM OPERATOR TRACK 31375.XX



**RECOMMENDED SCREWS:**

WOOD: 3 (P/N 19140.XX) #7 X .875 PHILLIPS, FLAT HEAD, SHEET METAL SCREWS  
PVC & METAL: 3 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

FIG. 5 STUD BRACKET 10339.XX, 10340.XX



10339 LEFT HAND SHOWN

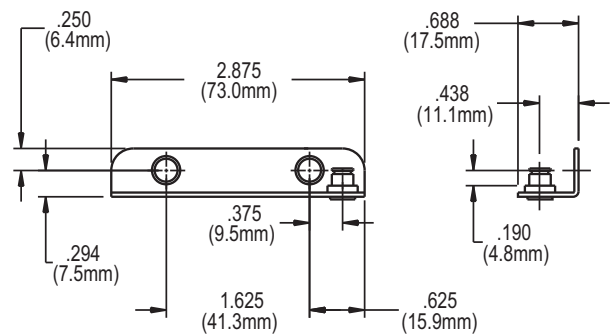
RECOMMENDED SCREWS:

WOOD: 2 (P/N 19140.XX) #7 X .875 PHILLIPS, FLAT HEAD, SHEET METAL SCREWS

PVC & METAL: 2 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 10340 RIGHT HAND

FIG. 6 STUD BRACKET 10402.XX, 10403.XX



10402 LEFT HAND SHOWN

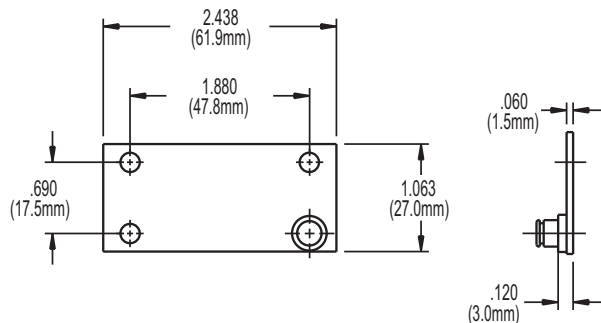
RECOMMENDED SCREWS:

WOOD: 2 (P/N 19140.XX) #7 X .875 PHILLIPS, FLAT HEAD, SHEET METAL SCREWS

PVC & METAL: 2 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 10403 RIGHT HAND

FIG. 7 STUD BRACKET 10456.XX, 10457.XX



10456 LEFT HAND SHOWN

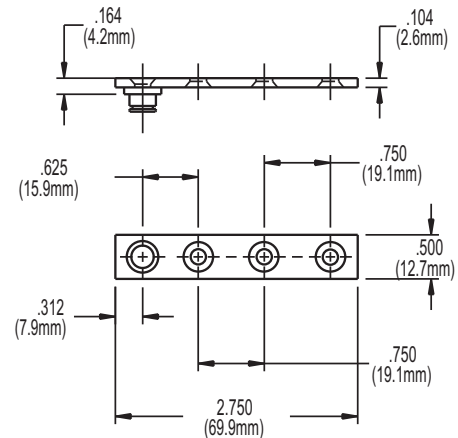
RECOMMENDED SCREWS:

WOOD: 3 (P/N 19355.XX) #10 X .750 PHILLIPS, PAN HEAD, SHEET METAL SCREWS

PVC & METAL: 3 - #10 PHILLIPS, PAN HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 10457 RIGHT HAND

FIG. 8 STUD BRACKET 10558.XX, 10968.XX (SNAP STUD)



NON HANDED

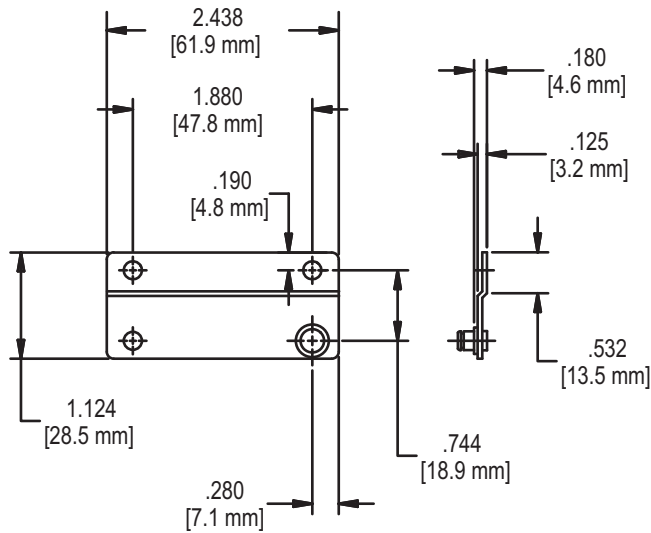
RECOMMENDED SCREWS:

WOOD: 3 (P/N 19240.XX) #8 X 1.0 PHILLIPS, FLAT HEAD, SHEET METAL SCREWS

PVC & METAL: 3 - #8 PHILLIPS, PAN HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 10558 SHOWN

FIG. 9 STUD BRACKET 10494.XX, 10495.XX



10494 LEFT HAND SHOWN

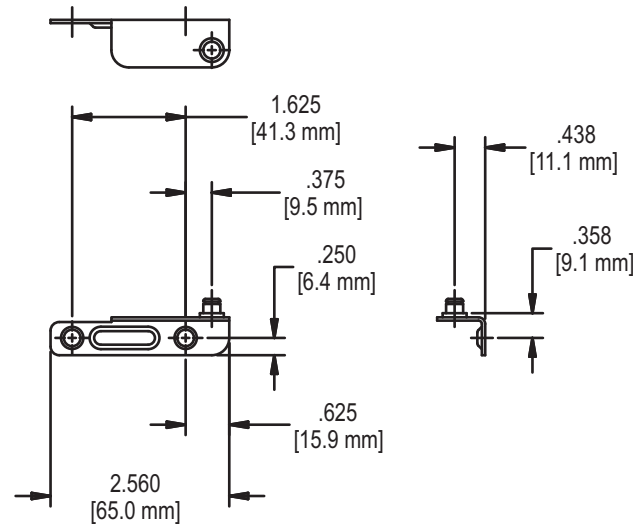
**RECOMMENDED SCREWS:**

WOOD: (QTY 3)(P/N 19355.XX) #10 X .750  
PHILLIPS, PAN HEAD, SHEET METAL  
SCREWS

PVC & METAL: (QTY 3) #10 PHILLIPS, PAN  
HEAD SCREWS (LENGTH AND  
THREAD TYPE DETERMINED BY  
PROFILE)

NOTE: 10495 RIGHT HAND

FIG. 10 STUD BRACKET 10498.XX, 10499.XX



10498 LEFT HAND SHOWN

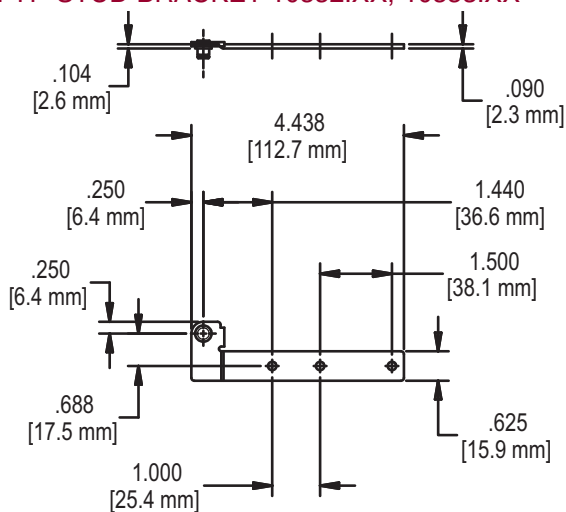
**RECOMMENDED SCREWS:**

WOOD: (QTY 2)(P/N 19140.XX) #7 X .875  
PHILLIPS, FLAT HEAD, SHEET METAL  
SCREWS

PVC & METAL: (QTY 2) #7 PHILLIPS, FLAT  
HEAD SCREWS (LENGTH AND  
THREAD TYPE DETERMINED BY  
PROFILE)

NOTE: 10499 RIGHT HAND

FIG. 11 STUD BRACKET 10552.XX, 10553.XX



10552 LEFT HAND SHOWN

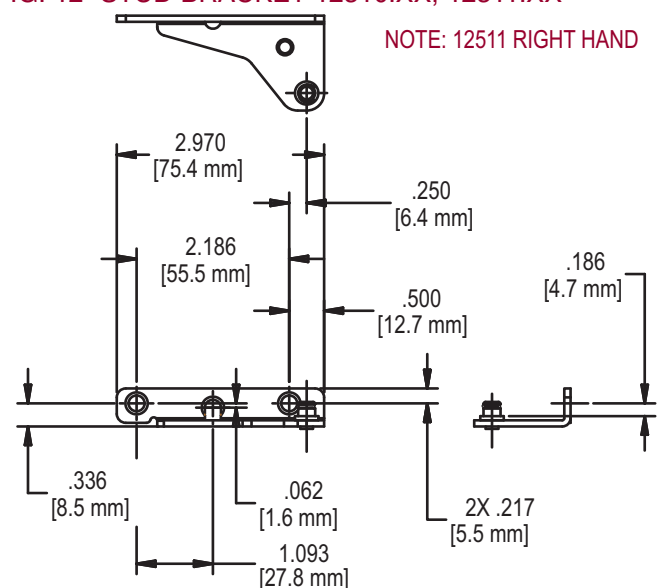
**RECOMMENDED SCREWS:**

WOOD: (QTY 3)(P/N 19215.XX) #8 X .750  
PHILLIPS, PAN HEAD, SHEET METAL  
SCREWS

PVC & METAL: (QTY 3) #8 PHILLIPS, PAN  
HEAD SCREWS (LENGTH AND  
THREAD TYPE DETERMINED BY  
PROFILE)

NOTE: 10553 RIGHT HAND

FIG. 12 STUD BRACKET 12510.XX, 12511.XX



NOTE: 12511 RIGHT HAND

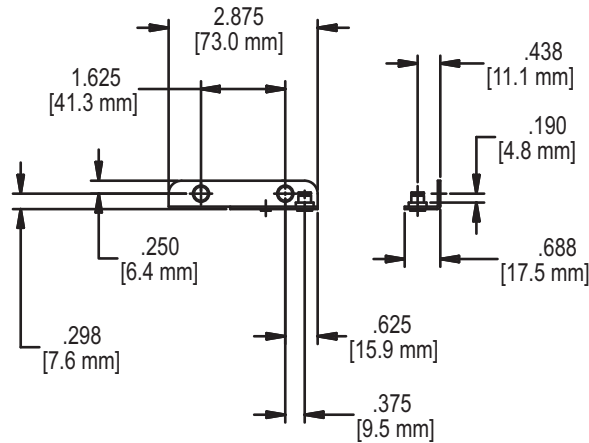
12510 LEFT HAND SHOWN

**RECOMMENDED SCREWS:**

WOOD: (QTY 3)(P/N 19215.XX) #7 X .750  
PHILLIPS, FLAT HEAD, SHEET METAL  
SCREWS

PVC & METAL: (QTY 3) #7 PHILLIPS, FLAT  
HEAD SCREWS (LENGTH AND  
THREAD TYPE DETERMINED BY  
PROFILE)

FIG. 13 STUD BRACKET 10739.XX, 10740.XX



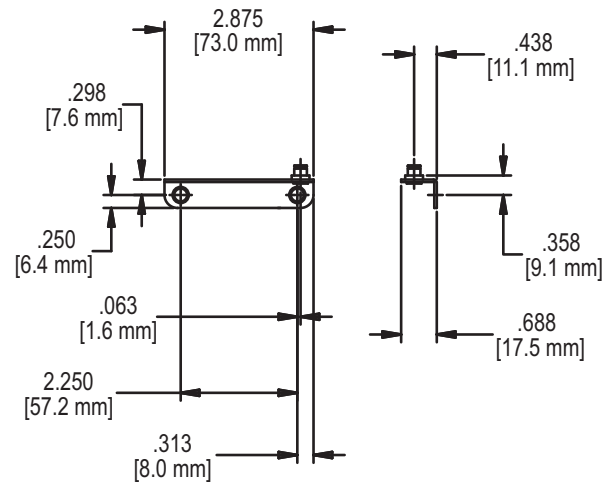
10739 LEFT HAND SHOWN

**RECOMMENDED SCREWS:**

WOOD: (QTY 2)(P/N 19140.XX)#7 X .875  
PHILLIPS, FLAT HEAD, SHEET METAL  
SCREWS  
PVC & METAL: (QTY 2)#7 PHILLIPS, FLAT  
HEAD SCREWS (LENGTH AND  
THREAD TYPE DETERMINED BY  
PROFILE)

NOTE: 10740 RIGHT HAND

FIG. 14 STUD BRACKET 10745.XX, 10746.XX



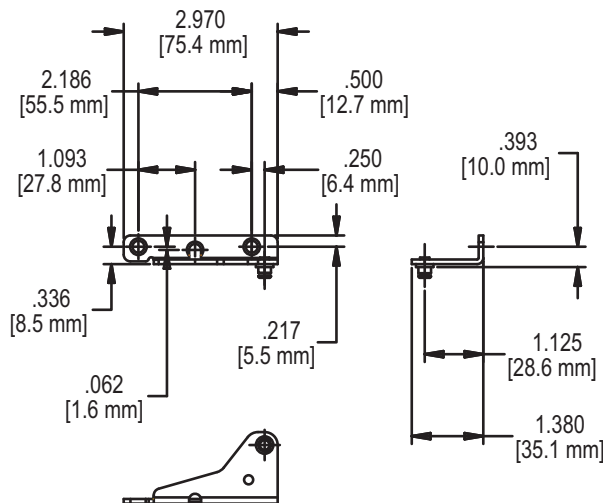
10745 LEFT HAND SHOWN

**RECOMMENDED SCREWS:**

WOOD: (QTY 2)(P/N 19140.XX)#7 X .875  
PHILLIPS, FLAT HEAD, SHEET METAL  
SCREWS  
PVC & METAL: (QTY 2)#7 PHILLIPS, FLAT  
HEAD SCREWS (LENGTH AND  
THREAD TYPE DETERMINED BY  
PROFILE)

NOTE: 10746 RIGHT HAND

FIG. 15 STUD BRACKET 12517.XX, 12518.XX



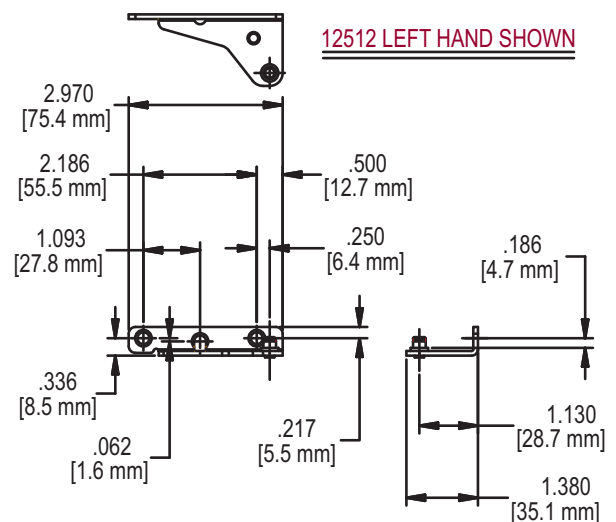
12517 LEFT HAND SHOWN

**RECOMMENDED SCREWS:**

WOOD: (QTY 2)(P/N 19140.XX)#7 X .875  
PHILLIPS, FLAT HEAD, SHEET METAL  
SCREWS  
PVC & METAL: (QTY 2)#7 PHILLIPS, FLAT  
HEAD SCREWS (LENGTH AND  
THREAD TYPE DETERMINED BY  
PROFILE)

NOTE: 12518 RIGHT HAND

FIG. 16 STUD BRACKET 12512.XX, 12513.XX



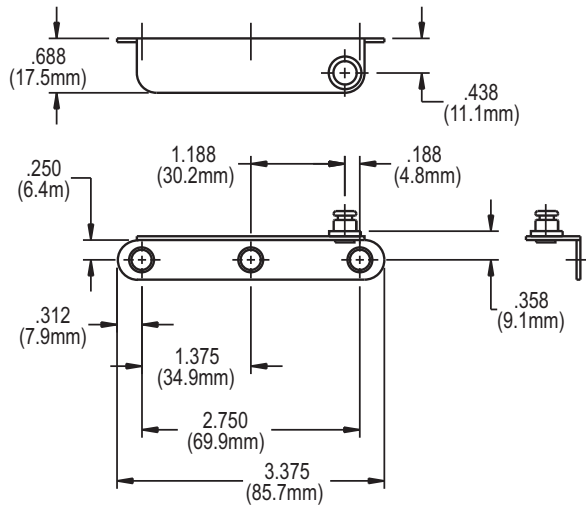
12512 LEFT HAND SHOWN

**RECOMMENDED SCREWS:**

WOOD: (QTY 2)(P/N 19140.XX)#7 X .875  
PHILLIPS, FLAT HEAD, SHEET METAL  
SCREWS  
PVC & METAL: (QTY 2)#7 PHILLIPS, FLAT  
HEAD SCREWS (LENGTH AND  
THREAD TYPE DETERMINED BY  
PROFILE)

NOTE: 12513 RIGHT HAND

FIG. 17 STUD BRACKET 10986.XX, 10987.XX



10986 LEFT HAND SHOWN

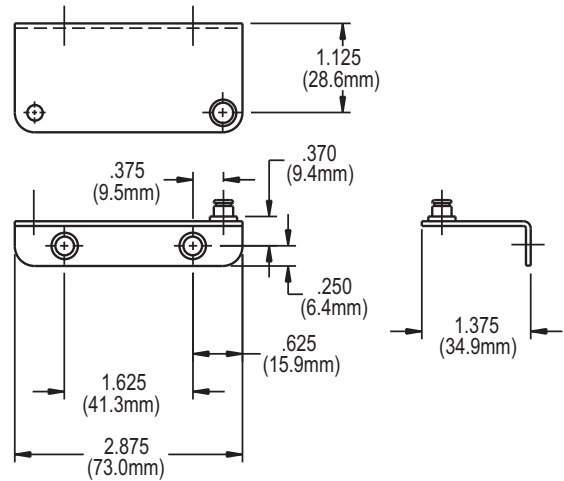
**RECOMMENDED SCREWS:**

WOOD: 2 (P/N 19140.XX) #7 X .875 PHILLIPS FLAT HEAD, SHEET METAL SCREWS

PVC & METAL: 2 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 10987 RIGHT HAND

FIG. 18 STUD BRACKET 10583.XX, 10584.XX



10583 LEFT HAND SHOWN

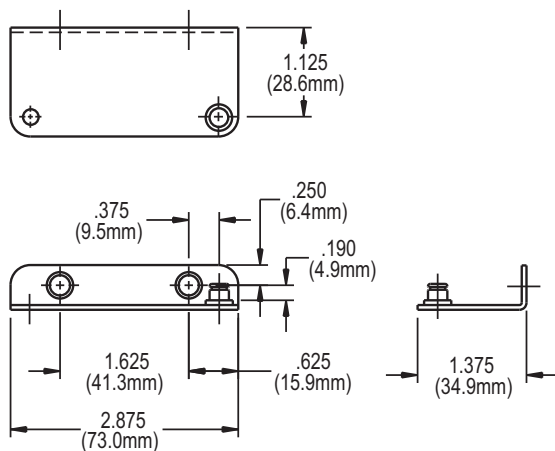
**RECOMMENDED SCREWS:**

WOOD: 2 (P/N 19140.XX) #7 X .875 PHILLIPS FLAT HEAD, SHEET METAL SCREWS

PVC & METAL: 2 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 10584 RIGHT HAND

FIG. 19 STUD BRACKET 10415.XX, 10416.XX



10415 LEFT HAND SHOWN

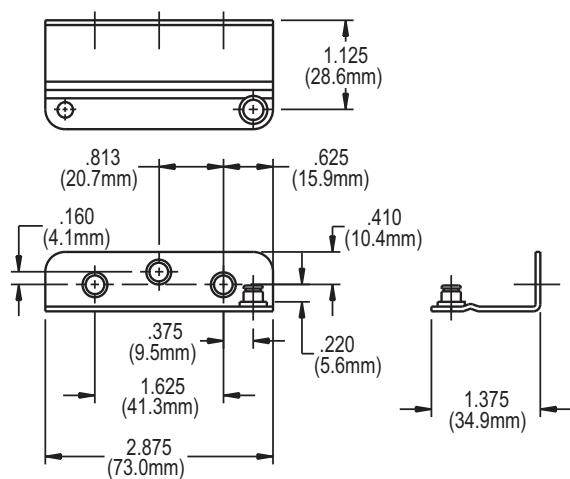
**RECOMMENDED SCREWS:**

WOOD: 2 (P/N 19140.XX) #7 X .875 PHILLIPS FLAT HEAD, SHEET METAL SCREWS

PVC & METAL: 2 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 10416 RIGHT HAND

FIG. 20 STUD BRACKET 10521.XX, 10522.XX



10522 LEFT HAND SHOWN

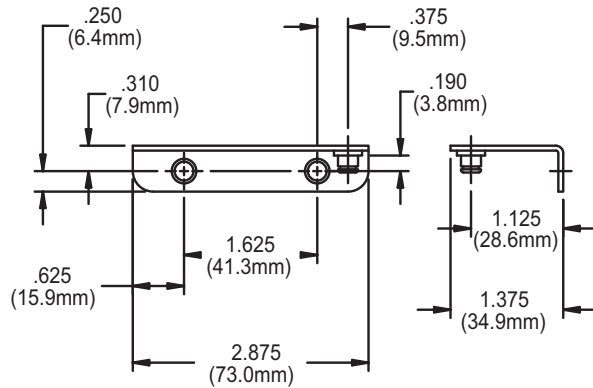
**RECOMMENDED SCREWS:**

WOOD: 2 (P/N 19140.XX) #7 X .875 PHILLIPS FLAT HEAD, SHEET METAL SCREWS

PVC & METAL: 2 - #7 PHILLIPS, FLAT HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 10522 RIGHT HAND

FIG. 21 STUD BRACKET 10795.XX, 10796.XX



10795 LEFT HAND SHOWN

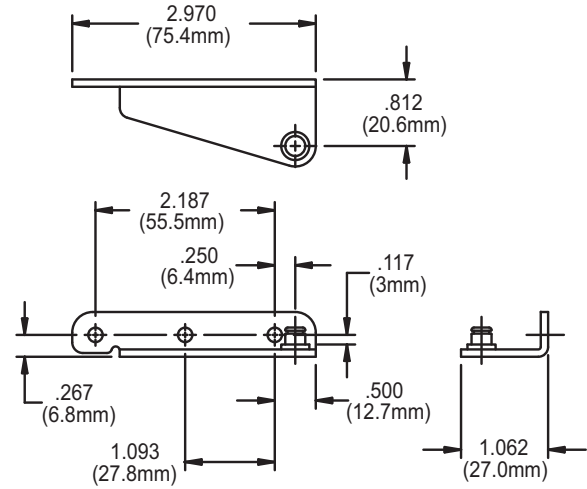
**RECOMMENDED SCREWS:**

WOOD: 3 (P/N 19140.XX) #7 X .875 PHILLIPS, PAN HEAD, SHEET METAL SCREWS

PVC & METAL: 3 - #7 PHILLIPS, PAN HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 10796 RIGHT HAND

FIG. 22 STUD BRACKET 11253.XX, 11254.XX



11253 LEFT HAND SHOWN

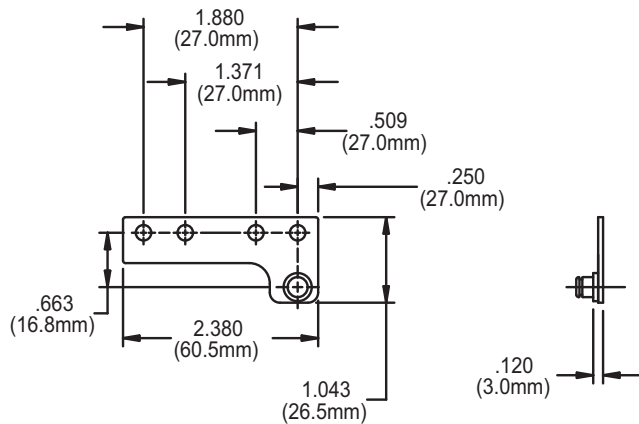
**RECOMMENDED SCREWS:**

WOOD: 3 (P/N 19140.XX) #7 X .875 PHILLIPS, PAN HEAD, SHEET METAL SCREWS

PVC & METAL: 3 - #7 PHILLIPS, PAN HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 11254 RIGHT HAND

FIG. 23 STUD BRACKET 11257.XX, 11258.XX



11257 LEFT HAND SHOWN

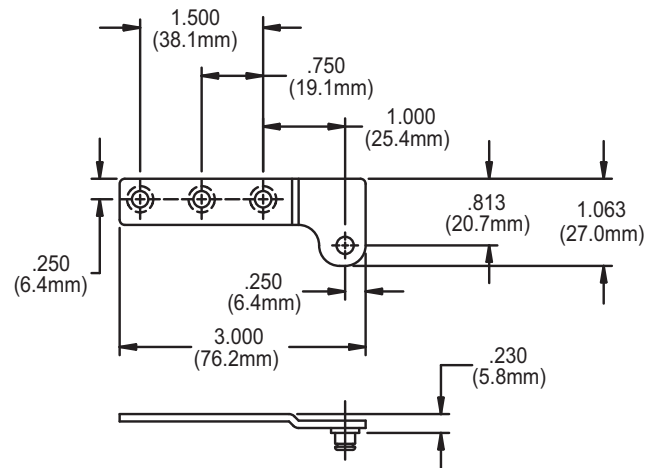
**RECOMMENDED SCREWS:**

WOOD: 3 (P/N 19140.XX) #7 X .875 PHILLIPS, PAN HEAD, SHEET METAL SCREWS

PVC & METAL: 3 - #7 PHILLIPS, PAN HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 11258 RIGHT HAND

FIG. 24 STUD BRACKET 12550.XX, 12551.XX



12551 RIGHT HAND SHOWN

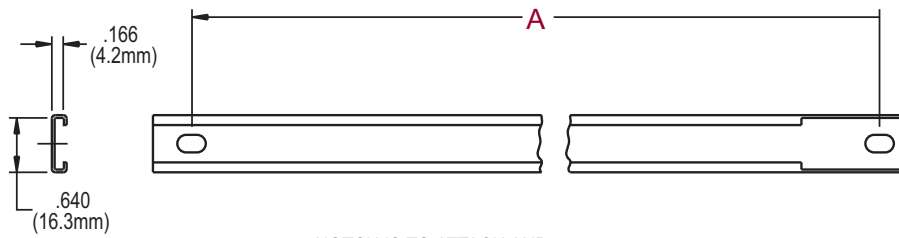
**RECOMMENDED SCREWS:**

WOOD: 3 (P/N 19140.XX) #7 X .875 PHILLIPS, PAN HEAD, SHEET METAL SCREWS

PVC & METAL: 3 - #7 PHILLIPS, PAN HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)

NOTE: 12550 LEFT HAND

FIG. 25 TRACK 30175, 31002



NOTCH IS TO ATTACH AND DETACH OPERATOR ARM AFTER TRACK IS INSTALLED ON THE WINDOW. BEFORE THE OPERATOR IS MOUNTED.

ADJUSTMENT

| TRACK | A                |
|-------|------------------|
| 30175 | 13.125 (333.4mm) |
| 31002 | 8.5 (215.9mm)    |

## RECOMMENDED SCREWS:

WOOD: 2 - #10 X .375 PHILLIPS, PAN HEAD, STAINLESS STEEL SCREWS

PVC & METAL: 2 - #10 PHILLIPS, PAN HEAD SCREWS (LENGTH AND THREAD TYPE DETERMINED BY PROFILE)