

The QuickFrame® Rough Opening System streamlines installation by reducing the number of components required to frame windows and doors. The QuickFrame® system comes in extra wide flanges and extra long returns and can be used for exterior or interior framing around any non-load bearing opening. Simply attach the header and jamb with our QuickFrame® Clip for “quick” and easy installation.

- **INCREASED PERFORMANCE**
- **LESS MATERIAL WEIGHT AND PIECES**
- **UP TO 50% REDUCTION IN ASSEMBLY TIME**
- **ELIMINATING BUILT-UP JAMBS AND HEADERS**
- **PREDRILLED HOLES IN THE CLIP FOR EASY INSTALLATION**

*QuickFrame Identification System  
(in compliance with AISI)*

**600-QFH-300-54**

**600-QFJ-300-54**

- Member Width 6" = 600 x 1/100 in.
- Style: QF = QuickFrame Header/Jamb
- Flange Width: 3" = 3.00" = 300x1/100 in.
- Material Thickness: Minimum Base Metal Thickness: 0.054 in. = 54 mils (1 mil = 1/1000 in.)

**SYMBOLS AND DEFINITIONS**

**Gross Properties**

$I_x$	Moment of inertia about x-axis
$S_x$	Section modulus about x-axis
$r_x$	Radius about x-axis
$I_y$	Moment of inertia about y-axis
$r_y$	Radius about y-axis

**Effective Properties**

$I_{xe}$	Moment of inertia about x-axis
$S_{xe}$	Section modulus about x-axis
$M_a$	Allowable moment for track and channel sections based on local buckling
$V_{ag}$	Allowable strong axis shear away from punchout, per AISI Section C3.2.1
$V_{anet}$	Allowable strong axis shear at punchout, per AISI Section 3.2.2

**Torsional and other Properties**

J	Saint-Venant torsion constant. The values shown in the tables have been multiplied by 1,000. To obtain the actual values, divide table values by 1,000
$C_w$	Torsional warping constant
$x_o$	Distance from shear center to centroid along principal x-axis
$r_o$	Polar radius of gyration about shear center
$\beta$	$1 - (x_o / r_o)^2$

**APPLICATIONS**

**QuickFrame Header and Jamb:**

- Exterior Curtain-Wall Headers and Jambs.
- Interior Non-Load Bearing Headers and Jambs.
- Load Bearing Jambs.

**Notes:**

1. Header must be ordered ½" shorter to accommodate the QuickFrame Clip.
2. For header application use unpunched material.

**CODES AND STANDARDS**

- ASTM A1003 and A653 - Material Specification
- ASTM C955, AISI S240 - Product and Coating Specification

**PRODUCT DATA**

**QuickFrame Header and Jamb:**

- Available Widths: 3-5/8", 4", 6" and 8"
- Available Flanges: 3" and 3-1/2"
- Return Lip: 1"

**QuickFrame Clip:**

- Available Lengths: 3-1/2" (for 3-5/8" stud)  
3-7/8" (for 4" stud)  
5-7/8" (for 6" stud)  
7-7/8" (for 8" stud)
- Available Heights: 3-1/8" (for 3" flange header)  
3-5/8" (for 3-1/2" flange header)

**MATERIAL SPECIFICATIONS**

**QuickFrame Header and Jamb:**

- Available Thickness's: 33 mils (20 Gauge) 33 ksi  
43 mils (18 Gauge) 33 ksi  
54 mils (16 Gauge) 50 ksi  
68 mils (14 Gauge) 50 ksi  
97 mils (12 Gauge) 50 ksi  
118 mils (10 Gauge) 50 ksi
- Coating: G60 standard  
G90 available upon request

**QuickFrame Clip:**

- Available Gauge: 68 mils (14 Gauge)
- Yield Strength: 50 ksi
- Coating: G90 standard

**Warrenty & Limitations**

All products presented herein are warranted to the buyer to be free from defects in material and workmanship. The foregoing warranty is non-assignable and in lieu of and excludes all other warranties not expressly set forth herein, whether express or implied by operation of law or otherwise, including but not limited to any implied warranties of merchantability or fitness for a particular purpose. All details and specifications presented herein are intended as a general guide for the use of Marino\WARE® framing systems. These products should not be used without evaluation by a qualified engineer or architect to determine their suitability for a specific use.

Marino\WARE® assumes no responsibility for failure resulting from use of its details or specifications, or for failure resulting from improper application or installation of these products.

**Governing Law**

All issues arising in connection with your order and all transactions associated with it shall be interpreted according to the laws of the State of New Jersey, and all actions or other proceedings arising out of such issues shall be brought only in Superior Court, State of New Jersey, County of Essex, or United States District Court for the District of New Jersey. No action may be brought more than one year after accrual of the cause of action therefore.