When it comes to manufacturing hollow metal frames, Stiles offers more profiles, more elevations, and the service you'd expect from the world's leading built-to-order hollow metal manufacturer.

- Door and Window Frames
- Over 20 Standard Profiles
- Fire Rated Frames to 3 HR Rating
- Square, Radius, Arched, Gothic, Curved and More
- Steel, Stainless Steel and Bronze
- Welded, KD, Adjustable, Kerf & Thermal Break
- Factory Primed or Finish Painted
- Available via Quick Ship for FAST Delivery
## General Frame Construction

### Construction

| Material          | 1. Cold Rolled  
|                  | 2. A-60 and G-90 Galvanized  
|                  | 3. 304 and 316 Stainless Steel  
| Corners          | Machine Mitered  
| Construction Options | Face and Soffit Welded  
|                  | Face Welded or Knockdown  
|                  | Full Welded  
| Hinge Reinforcement | 7 GA X 1-1/4” X 10”  
| Strike Reinforcement | 12 GA or equivalent # threads  
| Closer Reinforcement | 12 GA  

### Minimum Frame Dimensions

![Minimum Frame Dimensions Diagram]

- **WALL + 1/16”**
- **1 1/2” MIN.**
- **3/8” MIN.**
- **5/8” MIN.**
- **1” MIN.**
- **1-15/16” (1-3/4” DOOR)**
- **1-9/16” (1-3/8” DOOR)**

### All Other Reinforcement

- **12 GA**

### Anchors

- **16, 14, 12 GA**
- Cold Rolled, Galvanized or Stainless Steel

### Floor Clip

- **16, 14, 12 GA**
- Cold Rolled, Galvanized or Stainless Steel

### Primer

- Alkyd (Gray), EPA Approved

### Sound Deadening

- Sprayed Asphalt Coating
- Inside of Jambs if requested

### Fire Rating

- See [Fire Rated Section](#)

### Finish Options

- See [Finish Options, General Section](#)

### Stainless Steel

- See [Stainless Section for finish](#)

---

**Stiles® Steel Door + Window Systems**

**Stiles Custom Metal Inc**  
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**F-1.0**
Jamb & Sill Profiles

Available via Quick Ship
See Quick Ship Section
Shadow Line Frame

Jamb, Mullion & Sill Profiles

Quick Ship
Available via Quick Ship
See Quick Ship Section

13
Quick Ship

14
Quick Ship

15
Quick Ship 10-DAY

16

17
Quick Ship 10-DAY

18

T-Bar Frame

Shadow Line Frame

19

20

Shadow Line Frame
Frame Welding

**WELDED MULLION**

- Face welds only; finish smooth.

**CUT-OFF STOP**

- Integral stop.
  - Continuous weld seam line.

**MITERED + WELDED**

- Welded; grind smooth.
  - Mechanical interlock.

**MITERED + FACE WELDED**

- Welded; grind smooth.
  - Mechanical interlock.

**MITERED + FULL WELD**

- Welded; grind smooth.
  - Mechanical interlock.

**MITERED + KNOCKDOWN**

- Knockdown.
  - Mechanical interlock.
Frame Elevations

3-Sided Frames

1. CASED OPENING
2. SINGLE DOOR
3. DOUBLE EGRESS

See p. F-9.0 for information

4. DOOR PAIR (REMOVABLE OR FIXED MULLION)

5. CASED OPENING

Sidelite Frames Without Transoms

6. SINGLE DOOR
7. SINGLE DOOR
7B. SINGLE DOOR

8. T-BAR (TRUE DIVIDED LITE)

Quick Ship
Available via Quick Ship: See Quick Ship Section
**Stile ®**
Steel Door + Window Systems

**Frame Elevations**

**Quick Ship**
Available via Quick Ship: See Quick Ship Section

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### Transom Frames

10. WITH TRANSOM BAR
   - Quick Ship

11. WITH TRANSOM BAR
   - Quick Ship

12. WITH TRANSOM MULLION
   - Quick Ship 10-DAY

12B. WITHOUT TRANSOM MULLION
   - Quick Ship 10-DAY

---

### 4” Face Frames

13. NO TRANSOM BAR
   - Quick Ship

14. NO TRANSOM BAR
   - Quick Ship

15. (SPECIAL)

16. 4” HEAD & LEGS
   - Quick Ship

17. RADIUS TRANSOM (SPECIAL)

18. ARCH TRANSOM (SPECIAL)

19. 4” HEAD
   - (SPECIAL - SINGLE OR PAIR)
Frame Elevations

Multiple Opening Frames

20  VARIOUS LITE CONFIGURATIONS

21

22

Single Opening Frames

23  SINGLE LITE SQUARE FRAMES

Arched + Radius Top Frames

24 25 26 27

(SPECIAL) (SPECIAL) (SPECIAL) (SPECIAL)

Available via Quick Ship: See Quick Ship Section

Quick Ship

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Hollow Metal Panel Installation

1. 1.9375"
2. 1-3/4" PANEL (SAME CONSTRUCTION AS DOOR)
3. ANGLE / SCREW ATTACHMENT
4. DEPTH APPROPRIATE TO WALL CONSTRUCTION
5. 1.125" MIN 4" MAX @ RATED

Sandwich Panel Installation

1. 1.9375"
2. SANDWICH PANEL 18 GA SKINS 5/8" RATED GYPSUM
3. DEPTH APPROPRIATE TO WALL CONSTRUCTION
4. ANCHORING APPROPRIATE TO WALL CONSTRUCTION
5. 1.125" MIN 4" MAX @ RATED
Custom KD Drywall Frames

Drywall frames are designed for quick installation after the walls are in place including drywall. Frame members are shipped unassembled for field assembly and installation.

1. Install drywall before frame.
2. Push head into place, interlock jambs to head and pivot into place. Bend tabs over.
3. Place spreader at bottom to insure proper width. Fasten Bottom anchors to wall. Adjust pressure anchors to plumb frame.
Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gauge</td>
<td>16 or 14 GA</td>
</tr>
<tr>
<td>Material</td>
<td>1. Cold Rolled</td>
</tr>
<tr>
<td></td>
<td>2. A-60 Galvanized</td>
</tr>
<tr>
<td>Fire Rating</td>
<td>Up to 1-1/2 HR</td>
</tr>
<tr>
<td></td>
<td>*SPECIFY WALL THICKNESS</td>
</tr>
</tbody>
</table>

Available via 10-Day Quick Ship: See Quick Ship Section
Seal-Tek At A Glance

Effectively Seals:
- Smoke
- Noise
- Weather

Fire Tested
- Seal-Tek design may be incorporated into any of our labeled assemblies.

Applications
- Stairwells
- Corridor Entrances
- Computer Rooms
- Equipment Rooms
- Pharmaceutical Labs
- Any Interior or Exterior Location

Construction
- Manufactured in our factory, either welded or KD. Frame is made from 16 GA material. Kerf type weather strip is fully (and easily) replaceable.

Kerf Seal
- UL10C listed, available in bronze, white, black, gray, and beige. Seal is installed on the job after finish paint.
Stiles Model No. FDE

HEAD SECTIONS

1. APPLIED STOP
   FIRE RATED TO 3 HOURS

STANDARD JAMB SECTIONS

3. 

WALL POCKET JAMB SECTIONS

4. 

Construction

<table>
<thead>
<tr>
<th>Gauge</th>
<th>16, 14, or 12 GA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head Construction</td>
<td>Cased open with applied stop or two-piece welded in middle</td>
</tr>
</tbody>
</table>

Quick Ship
Available via Quick Ship: See Quick Ship Section

www.stilesdoor.com
Frame Anchor Types

T-6 FLOOR ANCHOR
T-7 FLOOR ANCHOR
T-1 FLOOR ANCHOR

T-1 PLAN VIEW

T-12 STUD WALL ANCHOR
T-30 SERIES STUD WALL ANCHORS
T-18 METAL STUD WALL ANCHORS

T-34: 2X4
Frame Anchor Types

- **T-9 MASONRY ANCHOR**: 
  - .162 GALVANIZED WIRE

- **T-10 MASONRY ANCHOR**

- **KDPL (FOR KNOCKDOWN FRAMES)**

- **T-14, T-24 PLAN VIEW**: 
  - T-14: 1/4" BOLT
  - T-24: 3/8" BOLT
  - (BOLT BY OTHERS)

- **PUNCH & DIMPLE (FOR EXISTING WALLS)**

- **T-13 POUR-IN-PLACE ANCHOR**

- **T-16 METAL STUD WALL**