



To: Engineer of Record

Re: Site Specific Engineering for QuickFrames Adjustable Roof Frames

In consideration of the use of QuickFrames on your current or future projects, should the QuickFrames standard summary sheet not meet your requirements, upon request QuickFrames can provide sealed calculations and shop drawings to meet your project needs.

If you have any questions, please feel free to contact us.

Sincerely,

The QuickFrames Team

(480) 464-1500

[sales@quickframes.com](mailto:sales@quickframes.com)

[www.quickframes.com](http://www.quickframes.com)

# Substitution Request



Project	Date
Project Location	Project Number
General Contractor	File
Prepared by	This is page 1 of

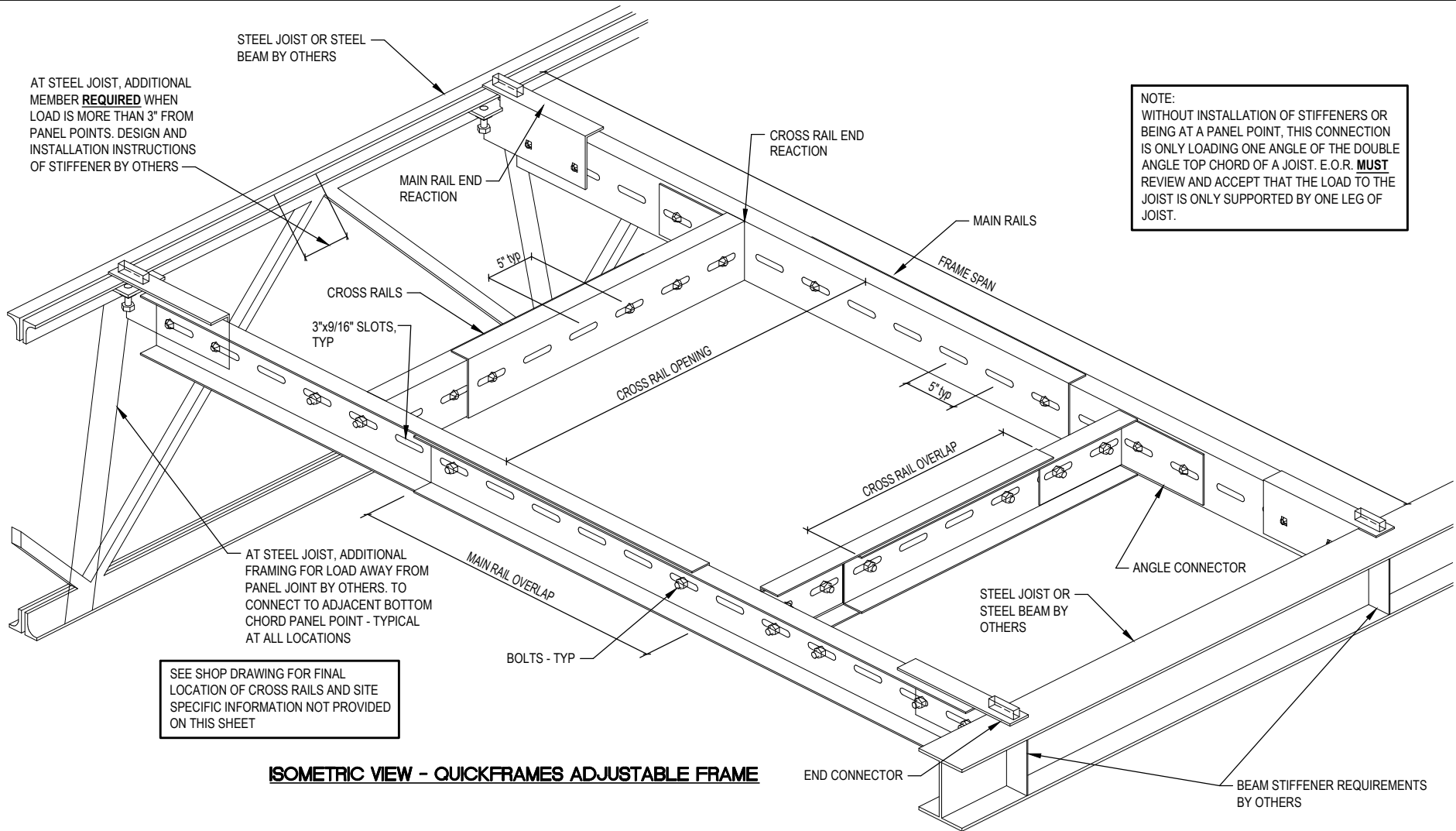
We certify that the following product is equal or superior to the specified product in appearance, durability, performance, and in every other respect, and we hereby submit it for your consideration as a substitute for the specified item for the above-mentioned project:

1. Specified Item	QuickFrames Roof Frames	Section
2. Proposed Substitution	QuickFrames 10,12 or 16 Ga, 50 KSI Roof Frames with Roof Member-Specific End Connections	
3. Reason for Substitution	No weld solution for structural supports under roof top mounted equipment.	
4. Costs	(Provide a complete breakdown of costs, including the cost amount to be DEDUCTED from the Contract Sum if the proposed substitution is accepted. Include documentation for both materials and labor.)	
5. Schedule	(Describe substitution's affect on construction schedule)	
6. Supporting Data	<ul style="list-style-type: none"><li>Cutsheets: Attach complete technical data, including laboratory tests, if applicable.</li><li>Installation: Include complete information on changes to Drawings and/or Specifications describing the steps that the proposed substitution will require for its proper installation.</li><li>Samples: Submit with request all necessary samples and substantiating data clearly marked to prove equal quality and performance to that which is specified.</li></ul>	
7. List ways in which the substitution affects dimensions shown on Drawings	Does not affect dimensions on drawings	
8. List affects of proposed substitution on other trades		
9. List ways in which proposed substitution will be affected by applicable code requirements and agency approval	None	
10. List differences between proposed substitution and specified item	No weld solution for structural supports under roof top mounted equipment.	
11. Manufacturer's warranties of the proposed and specified items are:	<input checked="" type="checkbox"/> Same	<input type="checkbox"/> Different
Explain:		

### 13. Certification of, and Assumption of Liability for, Equivalent Performance

<b>Supplier</b>	QuickFrames USA LLC.	<b>Signature</b>	
<b>Telephone No.</b>	480-464-1500	<b>Date</b>	

<b>General Contractor</b>	<b>Signature</b>
<b>Telephone No.</b>	<b>Date</b>



**Main/Cross Rail Limitations:**

- A) Cross Rail end reaction shall not exceed 1000 lbs (1.0 Kip) for a single angle connection. Installation contractor to verify loading distribution diagram of supported equipment and place equipment so the allowable loads are not exceeded.
- B) Main Rail end reaction shall not exceed 1160 lbs (1.160 Kip). Installation contractor to verify the loading distribution diagram of supported equipment and place equipment so the allowable loads are not exceeded.
- C) Main Rail shall be installed snug to supporting roof framing.
- D) For Frame Span and Cross Rail opening dimensions with corresponding minimum overlaps, See Dimension Table.
- E) Main Rail designs are based on 2 cross rails loading the main rail at 24" apart minimum with the cross rails centered on main rail. Cross Rail designs are based on a distributed loading from the decking loading the cross rails. Any other variations or loading of these rails is outside the scope of this standard design and it must be evaluated for a site specific application by Caruso Turley Scott.

**QuickFrame Material Specifications:**

1. All Main/Cross Rails shall be a minimum 12 GAGE cold formed material and shall conform to ASTM A653 CS TYPE B Grade 50 KSI.
2. All Angle Connections shall be a minimum 12 GAGE cold formed material and shall conform to ASTM A653 CS TYPE B Grade 50 KSI.
3. All End Connections shall be a minimum 3/16" material and shall conform to ASTM A36 Steel.
4. All bolts shall be 1/2" diameter x 1" long SAE Grade 5 or SAE Grade 8.2 carriage bolts with nuts.
- 4a. Angle connections shall contain 2 bolts in each leg.
- 4b. End connections shall contain 2 bolts in main rail.
- 4c. Main/Cross Rail splice connection shall contain 1 bolt (minimum) at each end of splice. The bolts for angle connectors may not be used as splice bolts.

**Design Criteria:**

Building / Design Codes:	2021/2018/2015/2012/2009/2006/2003 International Building Code (IBC) ASCE / SEI 7-05/7-10/7-16 AISI 2007/2010/2012/2016 North American Specification (NAS)
Wind Load (Maximum):	90 MPH, Exposure C (2003 to 2009 IBC) 115 MPH, Exposure C (2012 to 2021 IBC) Building Mean Roof Height = 25'-0"
Seismic Load (Maximum):	Seismic Design Category B S <sub>DS</sub> <0.33; S <sub>D1</sub> <0.133
Snow Load (Maximum):	20 PSF Flat Roof Load (See Note 3)
Dead / Live Load (Maximum):	20 PSF / 20 PSF (See Note 5)

**Notes:**

- 1) Maximum Frame Loads shown in the table are based on the above maximum design loads. Contact QuickFrames if above loads are exceeded because site specific layouts can be designed.
- 2) Maximum Loads shown for all spans and material strengths do not exceed a L/240 deflection ratio.
- 3) Snow Drift loads are not included in design. All sides of the roof projections supported by the frame shall be less than 15 feet long per ASCE 7-05 and 7-10 Section 7.8.
- 4) Dead/Live Loads are roof structure dead and live loads bearing on frame.
- 5) Building Dead Loads between the cross rails are not included in the design as roof opening sizes vary by application. Any dead load remaining between the cross rails must be deducted from the loads shown in this table for allowable loading. Site-specific engineering is also available upon request. Edges of any cut roof diaphragm material should always be mechanically attached to roof support member. Mechanical attachment should be per building structural engineer of record. At a minimum, attachment per detail 02 should be installed.
- 6) QuickFrames installation shall conform to the QuickFrames installation instructions.

**Note:**

**MAXIMUM LOADS SHOWN ARE FOR THE QUICKFRAMES ADJUSTABLE FRAME ONLY. BUILDING ROOF STRUCTURE FRAMING CAPACITY (EXISTING OR NEW) SHALL BE CHECKED BY A REGISTERED STRUCTURAL ENGINEER TO ENSURE THE PROPOSED LOAD ON THE FRAME DOES NOT OVERSTRESS ANY ROOF SUPPORTING FRAMING MEMBERS AND/OR BUILDING COMPONENTS.**



**Project Information:**

• Roof Structure Type:	XXX
• Roof Material:	XXX
• QuickFrame Span:	XXX
• Equipment Type:	XXX
• Equipment Weight:	XXX
• Equipment Height:	4'-0" MAX

SEAL:

THIS SHEET IS INTENDED FOR PRELIMINARY USE ONLY AND IS NOT FOR PERMIT OR CONSTRUCTION UNLESS ADDRESS OF SITE IS SHOWN IN TITLE BLOCK AND THE STRUCTURAL ENGINEER OF RECORD'S SEAL IS AFFIXED WITH WRITTEN SIGNATURE.

STANDARD SHEET REVISION DATE: 11/3/22

THIS SHEET IS INTENDED FOR GENERAL USE ONLY AND IS NOT CONSIDERED SITE SPECIFIC UNLESS ADDRESS OF SITE IS SHOWN IN TITLE BLOCK AND THE STRUCTURAL ENGINEER OF RECORDS SEAL IS AFFIXED WITH WRITTEN SIGNATURE.

XXX  
XXX  
XXX

**QUICKFRAMES**

QUICKFRAMES USA, LLC  
710 W. Broadway Rd. Suite 503 Mesa, Arizona 85210  
Office: 480.464.1500 Sales: 480.656.1575  
Website: www.quickframes.com  
Email: sales@quickframes.com

JOB NUMBER:  
22-0120-XXX

DRAWN: XXX	ENGINEER: XXX	CHECKED: XXX
RAIL/CONNECTORS: 12 GA./3/16"	SCALE: N.T.S.	
DATE: XX/XX/2022		
SHEET: <b>S12A</b>		

12 gauge X 50 KSI 6"x2" Rail Design - Light Machinery Design - Two Cross Rails Load the Main Rail with 2 Point Loads - One 12 ga x 50 ksi Angle Connector at Each Cross Rail Connection to Main Rail - 3/16" x 36 ksi End Connector with Vertical Weld - Up to 2021 IBC - No Dead Load Between Cross Rails - Cross Rails Centered on Main Rail																
Per IBC Section 1607.8.2 or 1607.9.2, at frames supporting light machinery (shaft or motor driven), the Maximum Frame Loads shown have been reduced by 20%. Also, an industry standard unbalanced mechanical loading of 2/3 and 1/3 is included.																
<div>DEAD LOAD = 20 PSF LIVE LOAD = 20 PSF SNOW LOAD = 20 PSF WIND LOAD = 7.8 PSF</div>				Maximum Cross Rail Span												
				20 in	30 in	36 in	39 in	48 in	60 in	66 in	72 in	84 in	96 in	102 in	108 in	120 in
				1.67 ft	2.50 ft	3.00 ft	3.25 ft	4.00 ft	5.00 ft	5.50 ft	6.00 ft	7.00 ft	8.00 ft	8.50 ft	9.00 ft	10.00 ft
				Cross Rails	15 in	20 in	25 in	30 in	35 in	40 in	45 in	50 in	55 in	60 in	65 in	70 in
				Min Overlap	10 in	10 in	14 in	21 in	22 in	20 in	24 in	28 in	26 in	24 in	28 in	30 in
Max Main Rail Clear Span				Main Rails	Min Overlap											
24 in	2.00 ft	20 in	16 in	3321 lb	3290 lb	3271 lb	3262 lb	3234 lb	3196 lb	3178 lb	3159 lb	3121 lb	3084 lb	3065 lb	3047 lb	2439 lb
30 in	2.50 ft	25 in	20 in	3308 lb	3270 lb	3248 lb	3236 lb	3202 lb	3157 lb	3135 lb	3112 lb	3067 lb	3022 lb	2999 lb	2976 lb	2127 lb
42 in	3.50 ft	30 in	18 in	2871 lb	2817 lb	2785 lb	2769 lb	2720 lb	2656 lb	2623 lb	2591 lb	2526 lb	2461 lb	2429 lb	2397 lb	1347 lb
36 in	3.00 ft	30 in	24 in	3295 lb	3251 lb	3224 lb	3211 lb	3171 lb	3118 lb	3092 lb	3065 lb	3012 lb	2959 lb	2933 lb	2906 lb	1815 lb
48 in	4.00 ft	35 in	22 in	3000 lb	2940 lb	2903 lb	2885 lb	2831 lb	2758 lb	2722 lb	2686 lb	2613 lb	2541 lb	2504 lb	2225 lb	1035 lb
54 in	4.50 ft	40 in	26 in	3043 lb	2976 lb	2936 lb	2916 lb	2856 lb	2775 lb	2735 lb	2695 lb	2615 lb	2534 lb	2494 lb	1944 lb	Use 10 GA.
60 in	5.00 ft	45 in	30 in	2692 lb	2616 lb	2570 lb	2547 lb	2478 lb	2386 lb	2340 lb	2294 lb	2202 lb	2110 lb	2064 lb	1523 lb	Use 10 GA.
66 in	5.50 ft	50 in	34 in	3230 lb	3153 lb	3107 lb	3084 lb	3015 lb	2923 lb	2877 lb	2831 lb	2739 lb	2647 lb	2288 lb	1523 lb	Use 10 GA.
72 in	6.00 ft	55 in	38 in	3217 lb	3134 lb	3084 lb	3059 lb	2984 lb	2884 lb	2834 lb	2784 lb	2685 lb	2585 lb	2023 lb	1242 lb	Use 10 GA.
78 in	6.50 ft	60 in	42 in	3204 lb	3114 lb	3060 lb	3034 lb	2953 lb	2845 lb	2791 lb	2738 lb	2630 lb	2522 lb	1758 lb	Use 10 GA.	Use 10 GA.
84 in	7.00 ft	65 in	46 in	3191 lb	3095 lb	3037 lb	3008 lb	2922 lb	2806 lb	2748 lb	2691 lb	2575 lb	2405 lb	1493 lb	Use 10 GA.	Use 10 GA.
90 in	7.50 ft	70 in	50 in	3178 lb	3075 lb	3014 lb	2983 lb	2890 lb	2767 lb	2706 lb	2644 lb	2521 lb	2155 lb	1227 lb	Use 10 GA.	Use 10 GA.
96 in	8.00 ft	75 in	54 in	3165 lb	3056 lb	2990 lb	2957 lb	2859 lb	2728 lb	2663 lb	2597 lb	2466 lb	1906 lb	Use 10 GA.	Use 10 GA.	Use 10 GA.
102 in	8.50 ft	80 in	58 in	3102 lb	2986 lb	2917 lb	2882 lb	2778 lb	2639 lb	2570 lb	2500 lb	2361 lb	1656 lb	Use 10 GA.	Use 10 GA.	Use 10 GA.
108 in	9.00 ft	85 in	62 in	2849 lb	2727 lb	2654 lb	2617 lb	2507 lb	2361 lb	2287 lb	2214 lb	2067 lb	1406 lb	Use 10 GA.	Use 10 GA.	Use 10 GA.
120 in	10.00 ft	85 in	50 in	1663 lb	1528 lb	1447 lb	1406 lb	1284 lb	1122 lb	1041 lb	Use 10 GA.	Use 10 GA.	Use 10 GA.	Use 10 GA.	Use 10 GA.	Use 10 GA.
Refer to all notes on accompanying sheets for cross rail and end connection limitations.																

**Note:**  
MAXIMUM LOADS SHOWN ARE FOR THE QUICKFRAMES ADJUSTABLE FRAME ONLY. BUILDING ROOF STRUCTURE FRAMING CAPACITY (EXISTING OR NEW) SHALL BE CHECKED BY A REGISTERED STRUCTURAL ENGINEER TO ENSURE THE PROPOSED LOAD ON THE FRAME DOES NOT OVERSTRESS ANY ROOF SUPPORTING FRAMING MEMBERS AND/OR BUILDING COMPONENTS.



**Design Criteria:**

Building / Design Codes:

2021/2018/2015/2012/2009/2006/2003  
International Building Code (IBC)  
ASCE / SEI 7-05/7-10/7-16  
AISI 2007/2010/2012/2016 North American  
Specification (NAS)

Wind Load (Maximum):

90 MPH, Exposure C (2003 to 2009 IBC)  
115 MPH, Exposure C (2012 to 2021 IBC)  
Building Mean Roof Height = 25'-0"

Seismic Load (Maximum):

Seismic Design Category B  
S<sub>ps</sub> <0.33; S<sub>D1</sub> <0.133

Snow Load (Maximum):

20 PSF Flat Roof Load (See Note 3)

Dead / Live Load (Maximum):

20 PSF / 20 PSF (See Note 5)

**Notes:**  
1) Maximum Frame Loads shown in the table are based on the above maximum design loads. Contact QuickFrames if above loads are exceeded because site specific layouts can be designed.  
2) Maximum Loads shown for all spans and material strengths do not exceed a L/240 deflection ratio.  
3) Snow Drift loads are not included in design. All sides of the roof projections supported by the frame shall be less than 15 feet long per ASCE 7-05 and 7-10 Section 7.8.  
4) Dead/Live Loads are roof structure dead and live loads bearing on frame.  
5) Building Dead Loads between the cross rails are not included in the design as roof opening sizes vary by application. Any dead load remaining between the cross rails must be deducted from the loads shown in this table for allowable loading. Site-specific engineering is also available upon request.  
6) QuickFrames installation shall conform to the QuickFrames installation instructions.

**Project Information:**

• Roof Structure Type:

XXX

• Roof Material:

XXX

• QuickFrame Span:

XXX

• Equipment Type:

XXX

• Equipment Weight:

XXX

• Equipment Height:

4'-0" MAX

SEAL:

THIS SHEET IS INTENDED FOR PRELIMINARY USE ONLY AND IS NOT FOR PERMIT OR CONSTRUCTION UNLESS ADDRESS OF SITE IS SHOWN IN TITLE BLOCK AND THE STRUCTURAL ENGINEER OF RECORD'S SEAL IS AFFIXED WITH WRITTEN SIGNATURE.

THIS SHEET IS INTENDED FOR GENERAL USE ONLY AND IS NOT CONSIDERED SITE SPECIFIC UNLESS ADDRESS OF SITE IS SHOWN IN TITLE BLOCK AND THE STRUCTURAL ENGINEER OF RECORDS SEAL IS AFFIXED WITH WRITTEN SIGNATURE.

STANDARD SHEET REVISION DATE: 9/23/21

XXX  
XXX  
XXX

**QUICKFRAMES**  
QUICKFRAMES USA, LLC  
710 W. Broadway Rd. Suite 503 Mesa, Arizona 85210  
Office: 480.464.1500 Sales: 480.666.1575  
Website: www.quickframes.com  
Email: sales@quickframes.com

JOB NUMBER:  
21-0120-XXX

DRAWN:  
XXX

ENGINEER:  
XXX

CHECKED:  
XXX

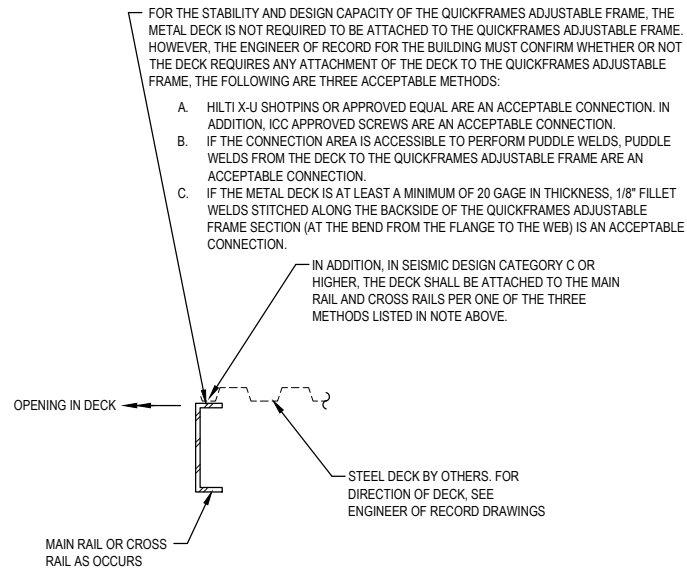
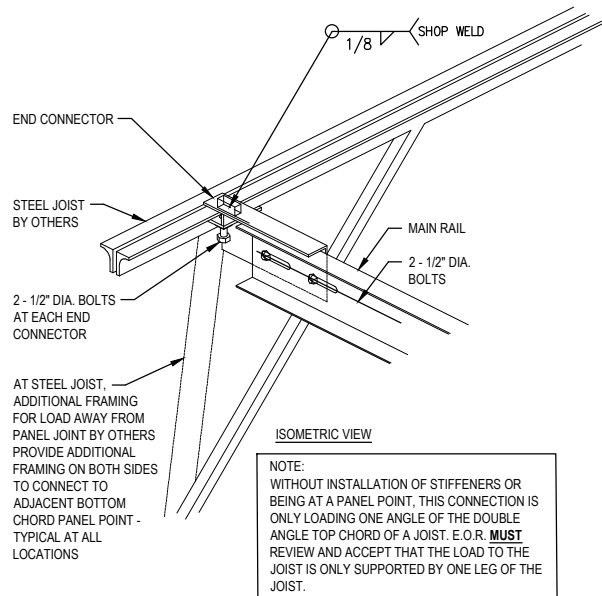
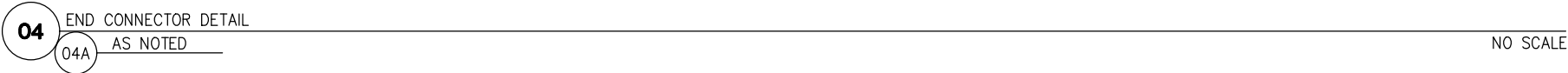
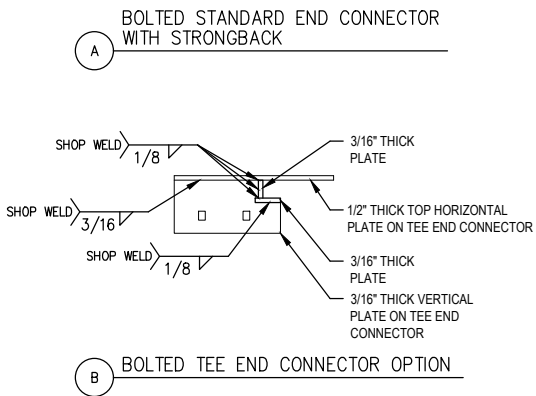
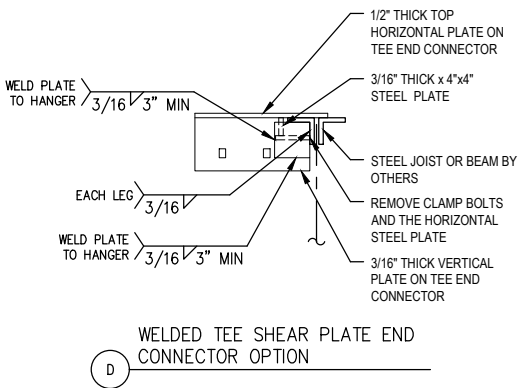
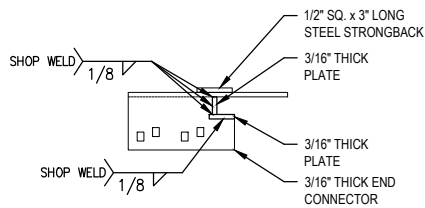
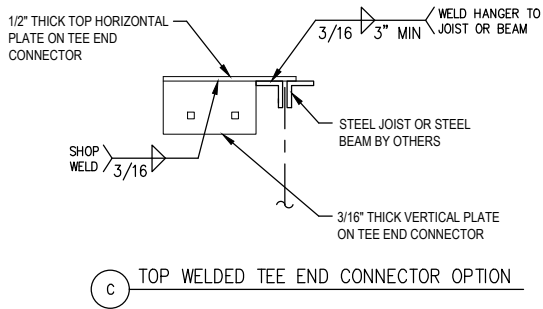
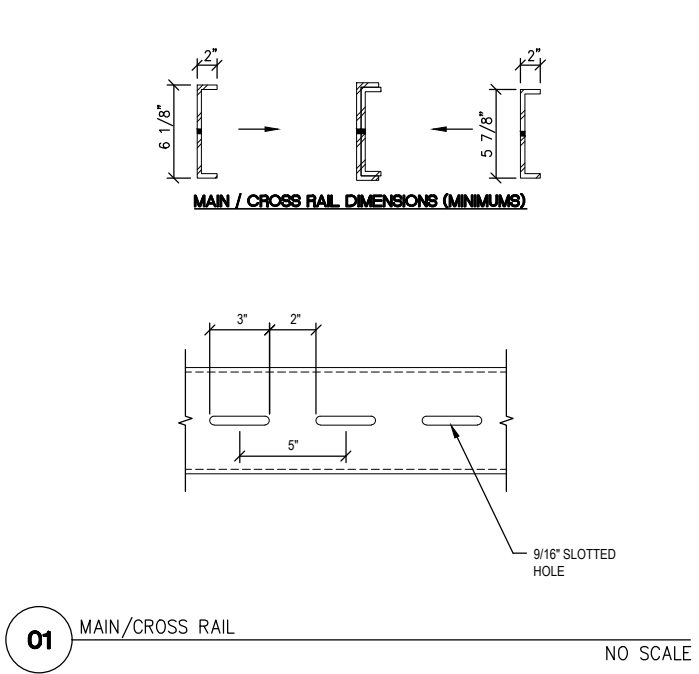
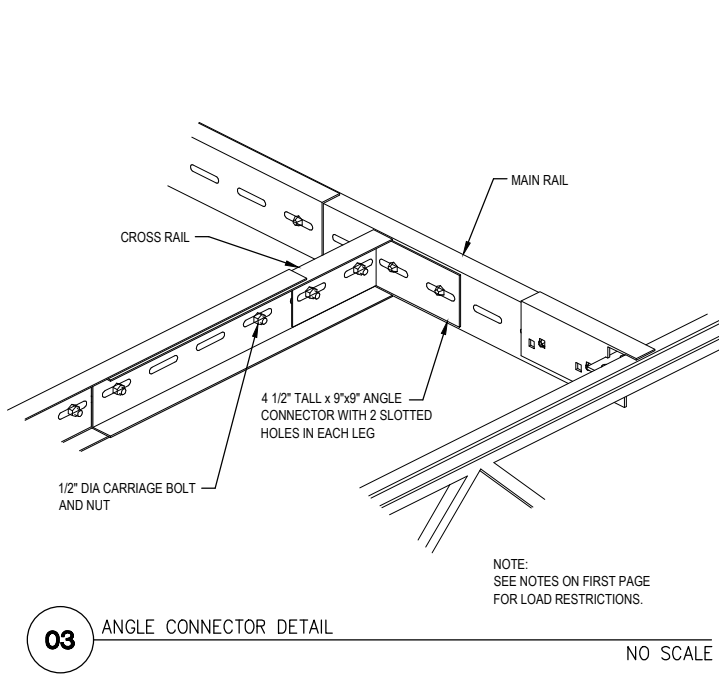
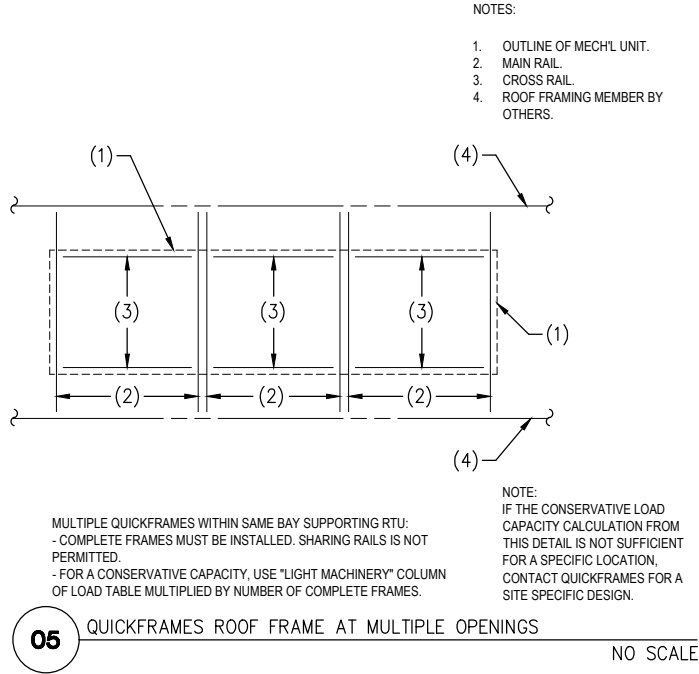
RAIL/CONNECTORS:  
XXXX

SCALE:  
N.T.S.

DATE:  
XX/XX/2021

SHEET:  
**S12B**





SEAL:

THIS SHEET IS INTENDED FOR PRELIMINARY USE ONLY AND IS NOT FOR PERMIT OR CONSTRUCTION UNLESS ADDRESS OF SITE IS SHOWN IN TITLE BLOCK AND THE STRUCTURAL ENGINEER OF RECORD'S SEAL IS AFFIXED WITH WRITTEN SIGNATURE.

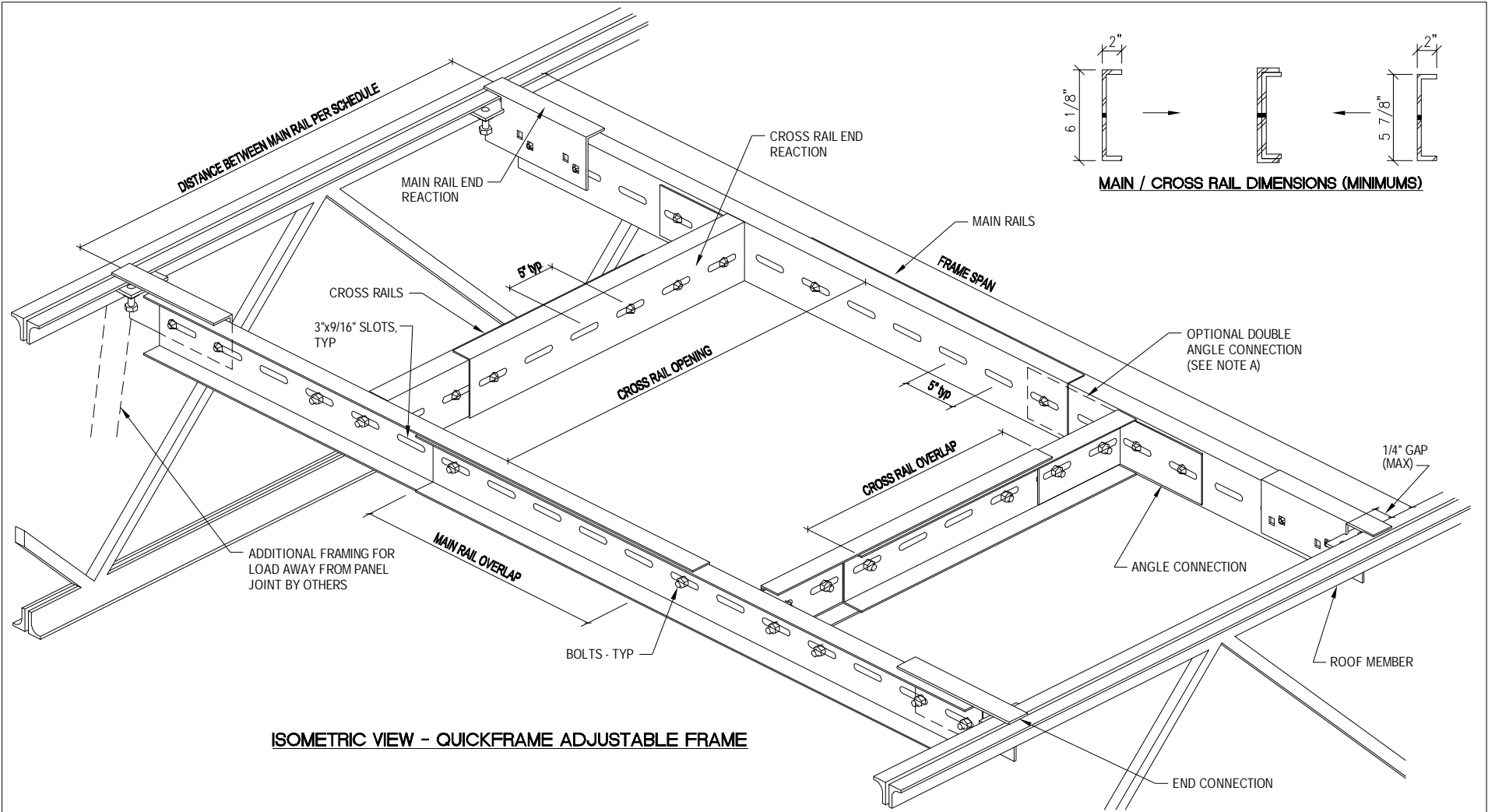
STANDARD SHEET REVISION DATE: 11/3/22

THIS SHEET IS INTENDED FOR GENERAL USE ONLY AND IS NOT CONSIDERED SITE SPECIFIC UNLESS ADDRESS OF SITE IS SHOWN IN TITLE BLOCK AND THE STRUCTURAL ENGINEER OF RECORDS SEAL IS AFFIXED WITH WRITTEN SIGNATURE.

**QUICKFRAMES**

QUICKFRAMES USA, LLC  
710 W. Broadway Rd. Suite 503 Mesa, Arizona 85210  
Office: 480.464.1500 Sales: 480.666.1575  
Website: [www.quickframes.com](http://www.quickframes.com)  
Email: [sales@quickframes.com](mailto:sales@quickframes.com)

JOB NUMBER: 22-0120-XXX		
DRAWN: XXX	ENGINEER: XXX	CHECKED: XXX
RAIL/CONNECTORS: XXXX		SCALE: N.T.S.
DATE: XX/XX/2022		SHEET: <b>S1A</b>



ISOMETRIC VIEW - QUICKFRAME ADJUSTABLE FRAME

Main/Cross Rail Limitations:

- A) Cross Rail end reaction shall not exceed 575 lbs (0.575 Kip) for a single angle connection or 1150 lbs (1.150 Kip) for the optional double angle connection. Installation contractor to verify loading distribution diagram of supported equipment and place equipment so the allowable loads are not exceeded.
- B) Main Rail end reaction shall not exceed 510 lbs (0.510 Kip). Installation contractor to verify the loading distribution diagram of supported equipment and place equipment so the allowable loads are not exceeded.
- C) Maximum Gap between Main Rail and supporting roof framing shall be 1/4". Main Rail may be installed snug to supporting roof framing.
- D) For Frame Span and Cross Rail opening dimensions with corresponding minimum overlaps, See Dimension Table.

QuickFrame Material Specifications:

1. All Main/Cross Rails shall be a minimum 16 GAGE cold formed material and shall conform to ASTM A653 CS TYPE B.
2. All Angle Connections shall be a minimum 12 GAGE cold formed material and shall conform to ASTM A653 CS TYPE B Grade 45 KSI.
3. All End Connections shall be a minimum 10 GAGE material and shall conform to ASTM A653 CS TYPE B Grade 45 KSI.
4. All bolts shall be 1/2" diameter x 1" long SAE Grade 5 or SAE Grade 8.2 carriage bolts with nuts.
- 4a. Angle connections shall contain 2 bolts in each leg. At optional double angle connection, bolts in cross rail may be shared.
- 4b. End connections shall contain 2 bolts in main rail.
- 4c. Main/Cross Rail splice connection shall contain 1 bolt (minimum) at each end of splice.

Main Rail Dimensions				Cross Rail Dimensions		
Frame Span		Individual Rail Size (in.)	Min. Overlap (in.)	Opening Span (in.)	Individual Rail Size (in.)	Min. Overlap (in.)
Length (ft.)	Length (in.)					
4'-0"	48"	35"	22"	15"-20"	15"	10"
5'-0"	60"	45"	30"	20"-30"	20"	10"
6'-0"	72"	60"	48"	30"-45"	30"	15"
7'-0"	84"	60"	36"	35"-50"	35"	20"
8'-0" (A)	96"	60"	24"	45"-72"	45"	18"
8'-0" (B)	96"	75"	54"			
9'-0"	108"	75"	42"			
10'-0"	120"	75"	30"			

ENGINEERING SUMMARY SHEET

QuickFrames Load Table Schedule						
Maximum Frame Load (pounds)* 16 ga Rail / 10 ga End Connector						
	4'-0" between main rails		6'-0" between main rails		8'-0" between main rails	
	(1)	(2)	(1)	(2)	(1)	(2)
Span (ft)*	One Angle Connector		One Angle Connector		One Angle Connector	
4'-0"	1788	1118	1648	1030	1508	943
5'-0"	1728	1080	1558	974	1388	868
6'-0"	1668	1043	1468	918	1268	793
7'-0"	1600	1000	1370	856	1140	713
8'-0"(24")	880	550	620	388	360	225
8'-0"(54")	1548	968	1288	805	1028	643
9'-0"	920	575	630	394	340	213
10'-0"	460	288	140	88	---	---
Span (ft)*	Two Angle Connector		Two Angle Connector		Two Angle Connector	
4'-0"	1788	1118	1648	1030	1508	943
5'-0"	1728	1080	1558	974	1388	868
6'-0"	1668	1043	1468	918	1268	793
7'-0"	1600	1000	1370	856	1140	713
8'-0"(24")	880	550	620	388	360	225
8'-0"(54")	1548	968	1288	805	1028	643
9'-0"	920	575	630	394	340	213
10'-0"	460	288	140	88	---	---
(1) The maximum load the frame can carry when all weight is placed evenly on the main rails and cross rails and distributed evenly between all four support ends. (2) Per IBC Section 1607.8.2, at frames supporting light machinery (shaft or motor driven), the Maximum Frame Loads shown have been reduced by 20%. Also, an industry standard unbalanced mechanical loading of 2/3 and 1/3 is included. * For Main Rail dimensions and overlap requirements, see Main Rail Dimension Table. Refer to all notes on this sheet for cross rail and end connection limitations.						
<b>Design Criteria:</b>  Building / Design Codes: 2009/2006/2003 International Building Code (IBC) ASCE / SEI 7-05 AISI 2007 North American Specification (NAS)  Wind Load (Maximum): 90 MPH, Exposure C Seismic Load (Maximum): Seismic Design Category B S <sub>DS</sub> <0.33; S <sub>D1</sub> <0.133  Snow Load (Maximum): 20 PSF Flat Roof Load (See Note 3) Dead / Live Load (Maximum): 10 PSF / 20 PSF (See Note 5)						
<b>Notes:</b> 1) Maximum Frame Loads shown in the table are based on the above maximum design loads. Contact Quickframes if above loads are exceeded. 2) Maximum Loads shown for all spans and material strengths do not exceed a L/240 deflection ratio. 3) Snow Drift loads are not included in design. All sides of the roof projections supported by the frame shall be less than 15 feet long per ASCE 7-05 Section 7.8. 4) Dead/Live Loads are roof structure dead and live loads bearing on frame. 5) Quickframe installation shall conform to the Quickframe installation instructions.						

**Note:**  
MAXIMUM LOADS SHOWN ARE FOR THE QUICKFRAME ADJUSTABLE FRAME ONLY. BUILDING ROOF STRUCTURE FRAMING CAPACITY (EXISTING OR NEW) SHALL BE CHECKED BY A REGISTERED STRUCTURAL ENGINEER TO ENSURE THE PROPOSED LOAD ON THE FRAME DOES NOT OVERSTRESS ANY ROOF SUPPORTING FRAMING MEMBERS AND/OR BUILDING COMPONENTS.

Project Information:	
• Roof Structure Type:	XXX
• Roof Material:	XXX
• QuickFrame Span:	XXX
• Material Strength:	XXX
• Equipment Type:	XXX
• Equipment Weight:	XXX

SEAL:		

THIS SHEET IS INTENDED FOR GENERAL USE ONLY AND IS NOT CONSIDERED SITE SPECIFIC UNLESS ADDRESS OF SITE IS SHOWN IN TITLE BLOCK AND THE STRUCTURAL ENGINEER OF RECORDS SEAL IS AFFIXED WITH WRITTEN SIGNATURE.

16 GAUGE FRAME WITH 20 GAUGE END CONNECTOR

**QUICKFRAMES**  
QUICKFRAMES USA, LLC  
710 W. Broadway Rd. Suite 503 Mesa, Arizona 85210  
Office: 480.464.1500 Sales: 480.656.1575  
Website: www.quickframes.com  
Email: sales@quickframes.com

JOB NUMBER: 13-120-XXX		
DRAWN: XXX	ENGINEER: XXX	CHECKED: XXX
RAIL/CONNECTORS: 16 GA./10 GA.		SCALE: N.T.S.
DATE: XX/XX/2013		SHEET: S2



# Pre-Engineered Structural Roof Frames for Commercial Construction

## Introducing QuickFrames. Any Job. Every Roof Frame.

QuickFrames are a family of engineered structural roof frames designed to support a variety of framing needs in commercial construction including new construction, renovation and tenant improvement projects. The company's flagship products include:

- **Bolt-in, adjustable frames** with telescoping rails that easily bolt-on (no welding) to roof members from under existing roof decking; easy to adjust and move if needed.
- **Pre-engineered drop-in frames** are manufactured and pre-assembled to your job specifications, then installed by crane or reach-out forklift on new construction projects before the roof deck is installed.

## One Valuable Source to Help Speed & Simplify Roof Frame Installation

Commercial construction continues to experience ongoing challenges such as escalating material prices, labor shortages and supply chain disruptions. Now with QuickFrames, you can simplify and speed roof equipment installation without getting bogged down waiting for mechanical locations to be coordinated. QuickFrames offers other value-added services too, including:

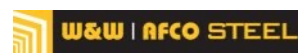
- Frame detailing
- Engineering (pre-engineered & site specific engineering)
- Rapid quotes (typically 24-hour response time or less)
- Next day shipping (based on order type)
- Award-winning products & customer service

## QUICK FACTS

FOUNDED	2015
HQ	Mesa, AZ, USA
SERVING	USA & CANADA
INSTALLATIONS	60,000+ and counting
REVIEWS	★★★★★
AWARDS	Stevie Gold Award Co. of the Year (2022) BLT Built Design Awards (2022) Stevie Silver Award Sales & Service (2021) INC. 5000 (2020 & 2021) MSC Hot Products (2021)



## Customers Who Trust QuickFrames





# QUICKFRAMES®

The leader in engineered structural roof frames

## Testimonials

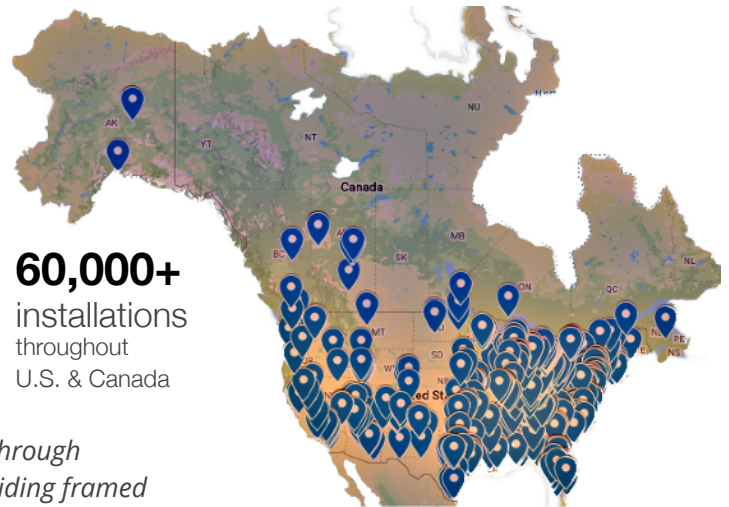
“ As this was a new product for myself and my guys in the field, I was extremely excited by the response I received from my guys in the field when it came to using this product. They were amazingly easy to work with and incorporate into the existing structure (conventional bar joists). —Rich L. ★★★★★

“ Extremely easy to use product at a great price point. Especially vs. using a welder to tie in structural steel. —Kyle A. ★★★★★

“ A recent project scope required a common hoist passage through 5 floors. Quick Frames had a quick and easy solution providing framed centered double-door enclosures that will allow passage of materials to and through each floor bottom to top. —John M. ★★★★★

“ I have been using Quick Frames for several years now. I have used them in Tenant Improvement projects as well as in New Construction. They are a quality product and I plan to continue using them on projects. They are as easy to install as their literature says too. —Bert M. ★★★★★

## Installations



## Project Gallery



# QUICKFRAMES®

Download pricing & request a fast quote at  
[www.QuickFrames.com](http://www.QuickFrames.com)



U.S. ORDERS

+1.480.656.1575

[sales@quickframes.com](mailto:sales@quickframes.com)



CANADA ORDERS

+1.480.656.1575

[salescan@quickframes.com](mailto:salescan@quickframes.com)

Copyright © QuickFrames. All Rights Reserved.