THE FASTER, SAFER, EASIER EZ SKYFRAMES

READY TO GO, EVEN IF YOUR ROOF ISN'T

THE LOW- COST STRUCTURIAL SOLUTION TO **FRAMING ROOF OPENINGS**

CREATED BY HVAC UNITS, EXHAUST FANS, SKYLIGHTS AND ROOF DRAINS

WHY WE ARE DIFFERENT

- **NO** welding and **NO** cutting
- **JUST-IN-TIME** delivery
- **ADJUSTABLE** 4' to 10' joist spacings with 15" to 96" openings
- **QUICK** and **EASY** installation - 20 to 30 minutes
- Can be **INSTALLED WITH DECK IN PLACE**

SAMPLE MECHANICAL LOAD CAPACITY (LBS)*				
JOIST SPACING VS. FRAME GAUGE	4'	5'	6'	8'
16 Gauge	1118	1080	1043	968
12 Gauge	2831	2478	2984	2859
10 Gauge	Site Specific	Site Specific	Site Specific	Site Specific

APPLICATIONS

- Steel Deck, Steel Bar Joist or Beams
- "Z" or "C" Purlins
- Steel Deck with Conrete Beams
- Hybrid Joist & Wood Decking
- Panelized Wood Roof Systems

INSTALLATION

- Tools: 3/4" wrench or a cordless impact driver

FRAME LOAD CAPACITY

- EZ SKYFRAMES are pre-engineered for most applications.
- Site-specific engineering is included as needed.

* Based on a 4' opening between the main rails, using two angle connectors per junction of main and cross rails. 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 unbalancing mechanical loading of 2/3 and 1/3 is included. Maximum loads shown are for the EZ SKYFRAMES adjustable frame only. Building roof structure framing capacity (existing or new) shall be verified by a registered structural engineer to ensure proper loading.

PARTS LIST

MAIN RAILS (2)

- Each rail component consists of two indivdual rails, one sliding inside the other.
- 10, 12, or 16-gauge, galvanized steel, cold formed channel 6" deep with and 2" or 4" flanges.

CROSS RAILS (2)

- Each rail component consists of two individual rails one inside the other.
- 10, 12, or 16-gauge, galvanized steel, cold formed channel 6" deep with and 2" or 4" flanges.

ANGLE BRACKETS (4)

- 10-gauge, galvanized, cold formed steel.

MAIN RAIL HANGERS (4)

- Powder coated, cold formed A36 3/16" HR steel plate. Connection plates are A36 3/16" HR steel plate, ½" riv nut and 1 ½" x ½" grade 5 tap bolt.

HARDWARE (32 EA.)

- 1" x ½" grade 5 zinc coated carriage bolts.
- ½" serrated zinc coated flange nuts.

FOR MORE INFORMATION

To learn about all the advantages EZ SKYFRAMES has over conventional angle iron roof frames – including some major safety and cost advantages – call 416.747.7233 or visit www.artisticskylight.com

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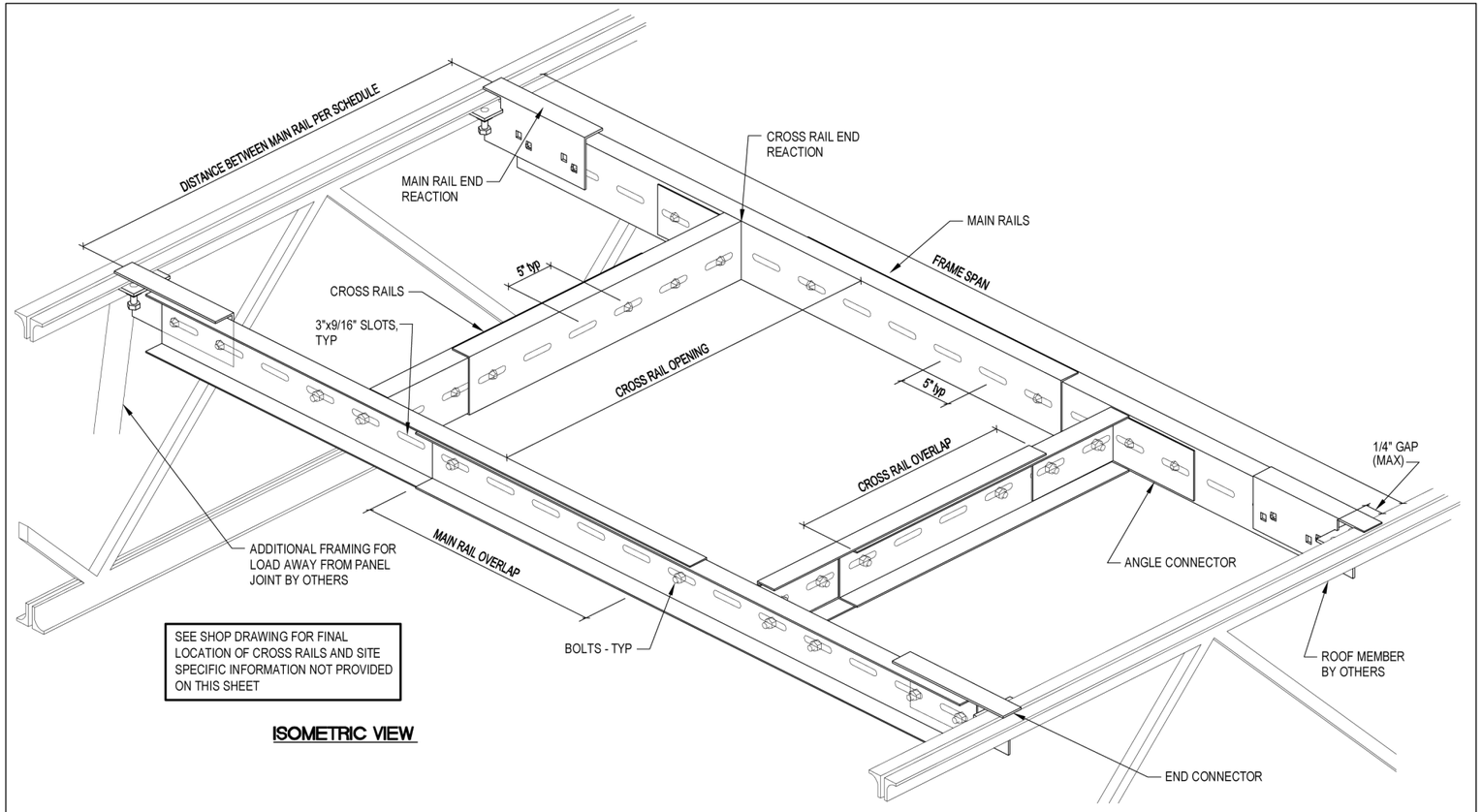
RESIDENTIAL & COMMERCIAL SKYLIGHTS



SEE SHOP DRAWING FOR FINAL LOCATION OF CROSS RAILS AND SITE SPECIFIC INFORMATION NOT PROVIDED ON THIS SHEET

ISOMETRIC VIEW

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) 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.
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:	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 2018 IBC) Building Mean Roof Height = 25'-0"
Seismic Load (Maximum):	Seismic Design Category B S_{DS} <0.33; S_{D1} <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 standard 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.

Note:

MAXIMUM LOADS SHOWN ARE FOR THE FAST FRAME 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

SEAL:

STANDARD SHEET REVISION DATE: 10/26/17

XXX
XXX
XXX

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JOB NUMBER: 17-120-XXX

DRAWN:	ENGINEER:	CHECKED:
TMH	DEE	SJH

RAIL/CONNECTORS:	SCALE:
12 GA/3/16"	N.T.S.

DATE: XX/XX/2017

SHEET: **S12A**

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 2018 IBC - No Dead Load Between Cross Rails - Cross Rails Centered on Main Rail

				Maximum Opening Span												
DEAD LOAD =	20 PSF			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
LIVE LOAD =	20 PSF			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
SNOW LOAD =	20 PSF		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	75 in
WIND LOAD =	7.8 PSF		Min Overlap	10 in	10 in	14 in	21 in	22 in	20 in	24 in	28 in	26 in	24 in	28 in	32 in	30 in
Max Joist 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 EZ SkyFrames 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:	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 2018 IBC) Building Mean Roof Height = 25'-0"
Seismic Load (Maximum):	Seismic Design Category B S_{DS} <0.33; S_{D1} <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 standard 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) **EZ SkyFrames** installation shall conform to the **EZ SkyFrames** installation instructions.

STANDARD SHEET REVISION DATE: 10/26/17

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

SEAL:

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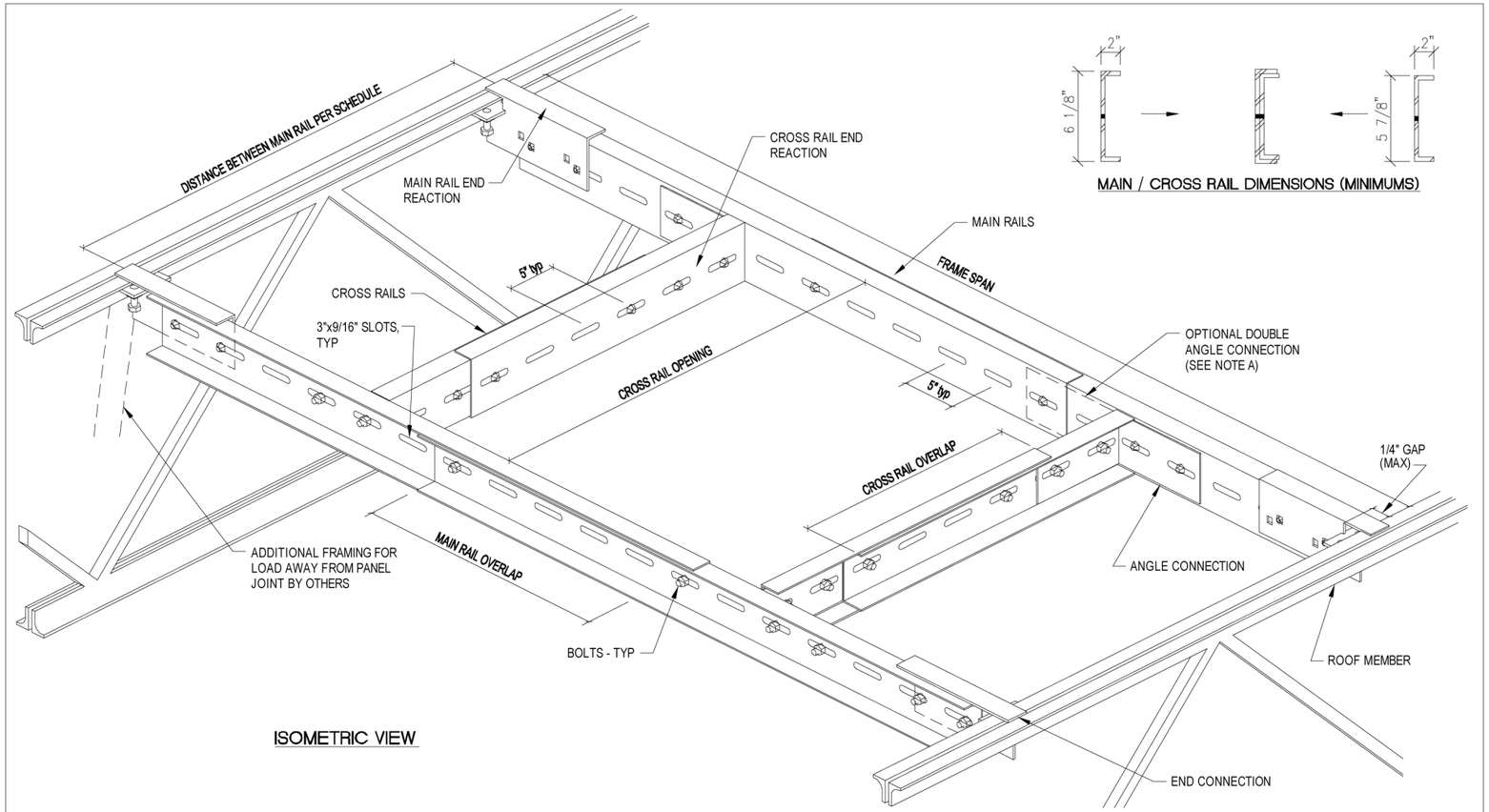
ARTISTICSKYLIGHT.COM

JOB NUMBER: 17-120-XXX
DRAWN: TMH | ENGINEER: DEE | CHECKED: SJH
RAIL/CONNECTORS: XXXX | SCALE: N.T.S.
DATE: XX/XX/2017
SHEET: **S12B**



ISOMETRIC VIEW

MAIN / CROSS RAIL DIMENSIONS (MINIMUMS)

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

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.

Design Criteria:

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_{DS} <0.33; S_{D1} <0.133
Snow Load (Maximum):	20 PSF Flat Roof Load (See Note 3)
Dead / Live Load (Maximum):	10 PSF / 20 PSF (See Note 5)

Notes:

1) Maximum Frame Loads shown in the table are based on the above maximum design loads.
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) **EZ SkyFrames** installation shall conform to the Quickframe installation instructions.

Note:

MAXIMUM LOADS SHOWN ARE FOR THE **EZ SkyFrames** 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
- **Material Strength:** XXX
- **Equipment Type:** XXX
- **Equipment Weight:** XXX

SEAL:

16 GAUGE FRAME WITH 10 GAUGE END CONNECTOR.

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ARTISTICSKYLIGHT.COM

JOB NUMBER: 13–120–XXX

DRAWN:	ENGINEER:	CHECKED:
TMH	DEE	SJH

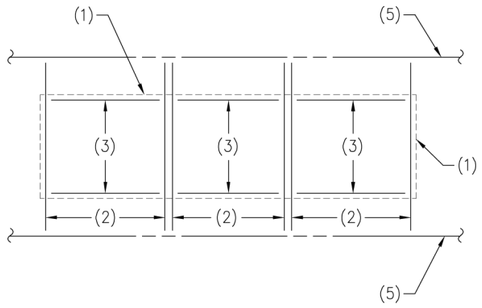
RAIL/CONNECTORS: 16 GA./10 GA. SCALE: N.T.S.

DATE: XX/XX/2013

SHEET: S2

NOTES:

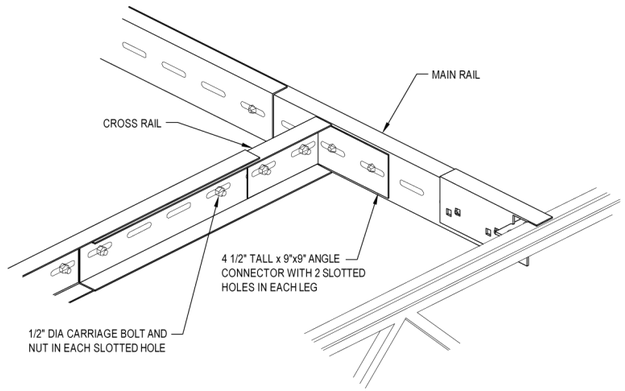
1. OUTLINE OF MECH'L UNIT.
2. MAIN RAIL.
3. CROSS RAIL.
4. ROOF FRAMING MEMBER BY OTHERS.



MULTIPLE **EZ SkyFrames** WITHIN SAME BAY SUPPORTING RTU:
- COMPLETE FRAMES MUST BE INSTALLED. SHARING RAILS IS NOT PERMITTED.
- FOR A CONSERVATIVE CAPACITY, USE "LIGHT MACHINERY" COLUMN OF LOAD TABLE MULTIPLIED BY NUMBER OF COMPLETE FRAMES.

05 ROOF FRAME AT MULTIPLE OPENINGS

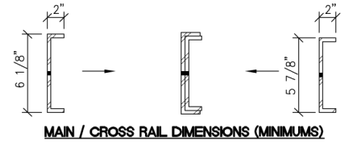
NO SCALE



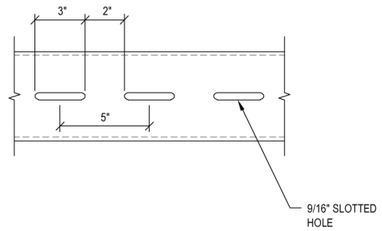
NOTE:
SEE NOTES ON FIRST PAGE
FOR LOAD RESTRICTIONS.

03 ANGLE CONNECTOR DETAIL

NO SCALE



MAIN / CROSS RAIL DIMENSIONS (MINIMUMS)

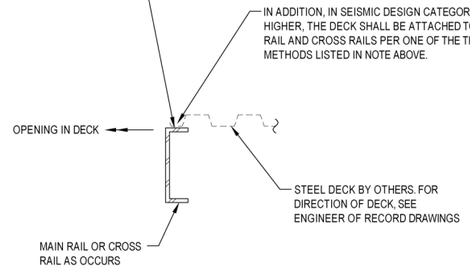


01 MAIN/CROSS RAIL

NO SCALE

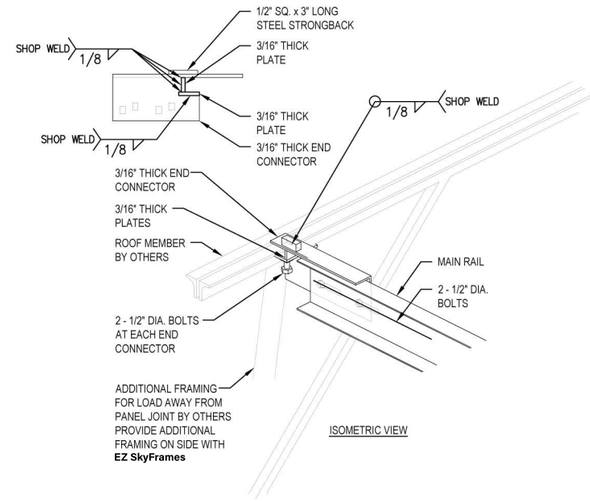
FOR THE STABILITY AND DESIGN CAPACITY OF THE **EZ SkyFrames** ADJUSTABLE FRAME, THE METAL DECK IS NOT REQUIRED TO BE ATTACHED TO THE **EZ SkyFrames** ADJUSTABLE FRAME. HOWEVER, THE ENGINEER OF RECORD FOR THE BUILDING MUST CONFIRM WHETHER OR NOT THE DECK REQUIRES ANY ATTACHMENT OF THE DECK TO THE QUICKFRAMES ADJUSTABLE FRAME, THE FOLLOWING ARE THREE ACCEPTABLE METHODS:

A. HILTI X-U SHOTPINS OR APPROVED EQUAL ARE AN ACCEPTABLE CONNECTION. IN ADDITION, ICC APPROVED SCREWS ARE AN ACCEPTABLE CONNECTION.
B. IF THE CONNECTION AREA IS ACCESSIBLE TO PERFORM PUDDLE WELDS, PUDDLE WELDS FROM THE DECK TO THE **EZ SkyFrames** ADJUSTABLE FRAME ARE AN ACCEPTABLE CONNECTION.
C. IF THE METAL DECK IS AT LEAST A MINIMUM OF 20 GAGE IN THICKNESS, 1/8" FILLET WELDS STITCHED ALONG THE BACKSIDE OF THE **EZ SkyFrames** ADJUSTABLE FRAME SECTION (AT THE BEND FROM THE FLANGE TO THE WEB) IS AN ACCEPTABLE CONNECTION.



04 DECK CONNECTION TO MAIN/CROSS RAILS

NO SCALE



02 END CONNECTOR DETAIL

NO SCALE

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: 10/26/17

XXX
XXX
XXX

SEAL:

Artistic® SKYLIGHT DOMES
RESIDENTIAL & COMMERCIAL SKYLIGHTS
255 REGINA RD.
WOODBRIDGE, ON.
L4L 8M3
416.747.7233
ARTISTICSKYLIGHT.COM

JOB NUMBER: 17-120-XXX

DRAWN:	ENGINEER:	CHECKED:
TMH	DEE	SJH

RAIL/CONNECTORS:	SCALE:
XXXX	N.T.S.

DATE: XX/XX/2017

SHEET: **S1A**