



DRAPER, UTAH
(801) 990-1775
WWW.VECTORSE.COM

Copyright © 2020
 Vector Structural Engineering, LLC
 This drawing contains proprietary information belonging to
 Vector Structural Engineering, LLC, and may be neither
 wholly nor partially copied or reproduced without the prior
 written permission of Vector Structural Engineering, LLC.

SUBJECT OPEN WEB STEEL JOIST SITE SURVEY

INSTRUCTIONS:

1. Complete a separate form for each unique joist that will be supporting the solar array.
2. Items with an asterisk (*) are required; however, the more information that is provided, the more accurate and timely our analysis will be. Incomplete forms will delay our analysis and will be sent back to be completed.
3. We recommend you reach out to the building owner and the jurisdiction about obtaining the original structural drawings. Although not necessary, the original structural drawing will increase the accuracy and timeliness of our analysis.
4. Provide a sketch of the roof framing showing the location(s) of the joists.
5. Provide a minimum of (3) photos of the joists and any sketches requested in the survey.

SURVEY INFORMATION:

*Project Name: _____ *Address: _____

*City: _____ *State/Zip: _____

*Year Building Built: _____ Joist Manufacturer: _____

*Is there a tag on the joist? Yes No

If yes, provide tag information and a photo of the tag: _____

Note: The joist tag is typically wired to one end of the joist. We recommend checking both ends of several joists to see if there is a tag tied to the joist.

*Joist Span (i.e. Joist Length): _____

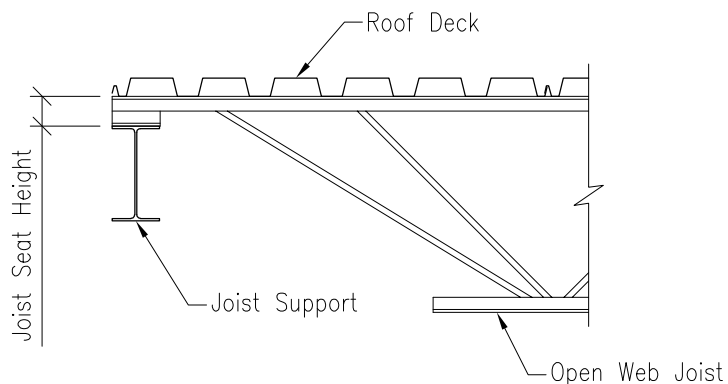
*Joist Spacing: _____

See the sketches on the following page for definitions of the following:

*Interior Panel Point Spacing: _____

*Joist Depth: _____

*Joist Seat Height (see sketch below): 2-1/2" 5" Other (provide sketch)





DRAPER, UTAH
(801) 990-1775
WWW.VECTORSE.COM

Copyright © 2020
Vector Structural Engineering, LLC
This drawing contains proprietary information belonging to Vector Structural Engineering, LLC, and may be neither wholly nor partially copied or reproduced without the prior written permission of Vector Structural Engineering, LLC.

SUBJECT OPEN WEB STEEL JOIST SITE SURVEY

*Identify the joist configuration:

Warren	
Modified Warren	
Pratt	
Other (provide sketch to the right)	



DRAPER, UTAH
(801) 990-1775
WWW.VECTORSE.COM

Copyright © 2020
Vector Structural Engineering, LLC
This drawing contains proprietary information belonging to Vector Structural Engineering, LLC, and may be neither wholly nor partially copied or reproduced without the prior written permission of Vector Structural Engineering, LLC.

SUBJECT OPEN WEB STEEL JOIST SITE SURVEY

Note: The top chord and bottom chord are usually NOT the same size. Please make sure to measure both.

*Top Chord:

(2) Angles		Leg Size: _____ Thickness: _____ (measure with calipers)
(2) Rounds		Diameter: _____ (measure with calipers)
Proprietary Shape (provide sketch to the right)		

*Bottom Chord:

(2) Angles		Leg Size: _____ Thickness: _____ (measure with calipers)
(2) Rounds		Diameter: _____ (measure with calipers)
Proprietary Shape (provide sketch to the right)		



DRAPER, UTAH
(801) 990-1775
WWW.VECTORSE.COM

Copyright © 2020
Vector Structural Engineering, LLC
This drawing contains proprietary information belonging to Vector Structural Engineering, LLC, and may be neither wholly nor partially copied or reproduced without the prior written permission of Vector Structural Engineering, LLC.

SUBJECT OPEN WEB STEEL JOIST SITE SURVEY

*Vertical Webs:

(1) Angle		Leg Size: _____ Thickness: _____ (measure with calipers)
(2) Angles		Leg Size: _____ Thickness: _____ (measure with calipers)
Crimped		Leg Size: _____ Thickness: _____ (measure with calipers)
(1) Round		Diameter: _____ (measure with calipers)
Other (provide sketch to the right)		
None		



DRAPER, UTAH
 (801) 990-1775
 WWW.VECTORSE.COM

Copyright © 2020
 Vector Structural Engineering, LLC
 This drawing contains proprietary information belonging to
 Vector Structural Engineering, LLC, and may be neither
 wholly nor partially copied or reproduced without the prior
 written permission of Vector Structural Engineering, LLC.

SUBJECT OPEN WEB STEEL JOIST SITE SURVEY

*Diagonal Webs:

(1) Angle		Leg Size: _____ Thickness: _____ (measure with calipers)
(2) Angles		Leg Size: _____ Thickness: _____ (measure with calipers)
Crimped		Leg Size: _____ Thickness: _____ (measure with calipers)
(1) Round		Diameter: _____ (measure with calipers)
Other (provide sketch to the right)		