



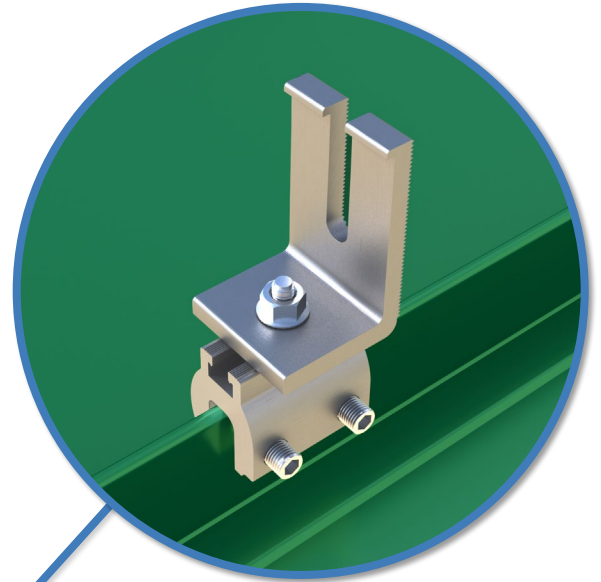
QuickMount® Lynx™ Metal Roof Attachment

Connect with Confidence

QuickMount® has always been known for high-quality solar attachments and Lynx™ now expands that portfolio into standing seam metal roofs. This roof type can be a great option for many buildings—durable, low-maintenance, and water-tight—with seams to securely attach equipment.

Lynx™ is a robust, non-penetrating clamp for attaching solar. Designed for use with the QuickMount® L-Foot and IronRidge Rails, it offers a complete system on many standing seam roof profiles. Lynx™ can also support other racking platforms, with additional engineering.

Lynx™ is part of a UL 2703 listed system and is integrated with our Pitched Roof Design Assistant software, so you can connect your next system with the utmost confidence.

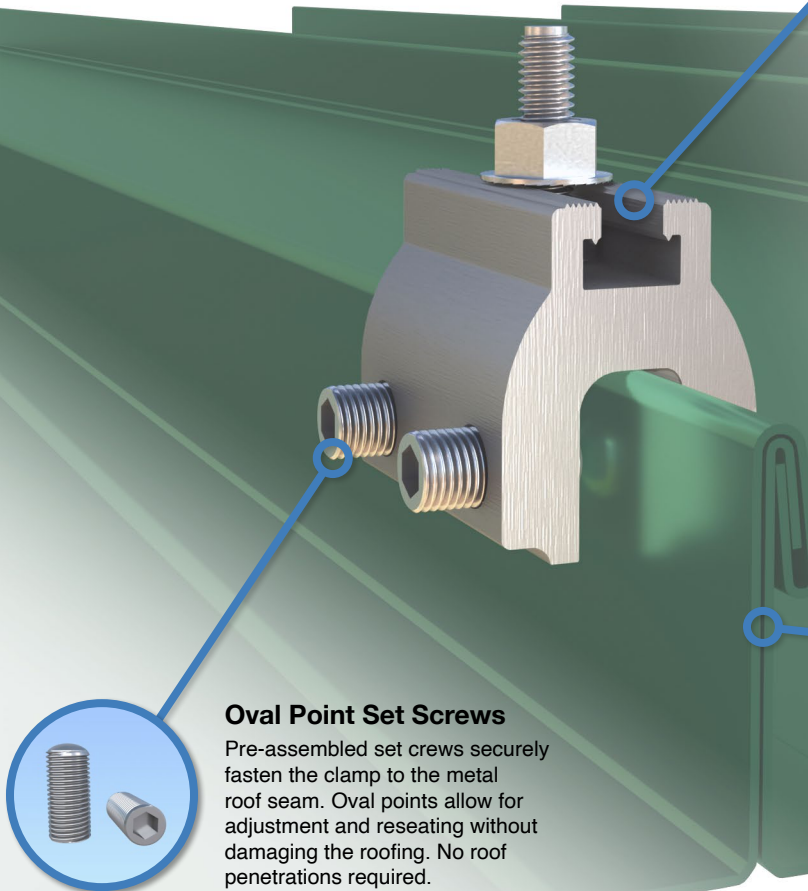


N-S Adjustability for QuickMount® L-Feet

Lynx™ features an open-ended T-slot for north-south adjustability, to easily line up rails. That means 2" of available adjustment for sliding L-Feet to properly connect them to rails. Coming fully packaged with the attachment hardware, Lynx™ is designed for use with QuickMount® open-slotted L-Feet and IronRidge rails.

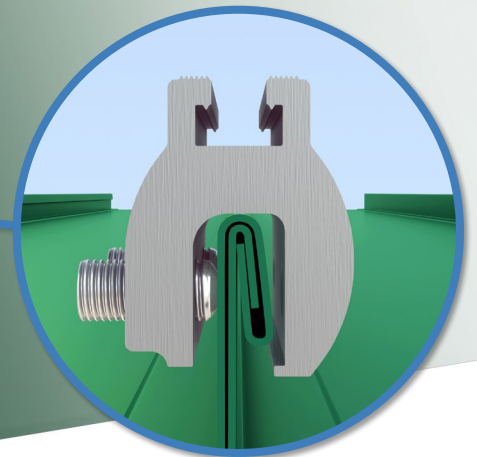


This component is part of the QuickMount® product line.



Oval Point Set Screws

Pre-assembled set crews securely fasten the clamp to the metal roof seam. Oval points allow for adjustment and reseating without damaging the roofing. No roof penetrations required.



Vast Standing Seam Compatibility

Lynx™ can be used on a majority of standing seam profiles used for metal roofs, including many snapping and folding standing seams. See backside for a comprehensive guide on the specific standing profiles that fit best.

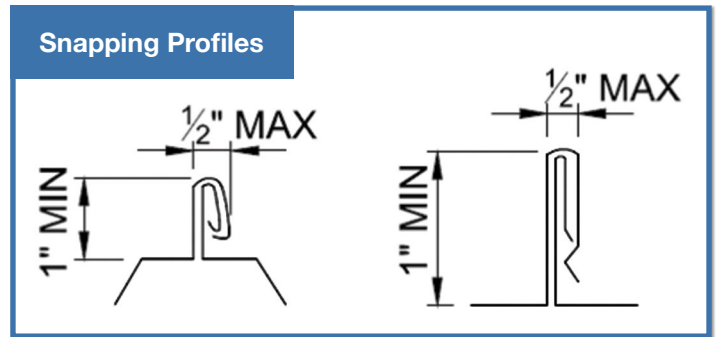
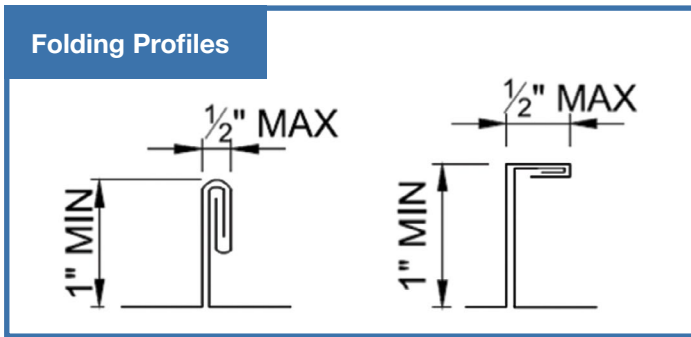


25-Year Warranty
Product guaranteed free of impairing defects.



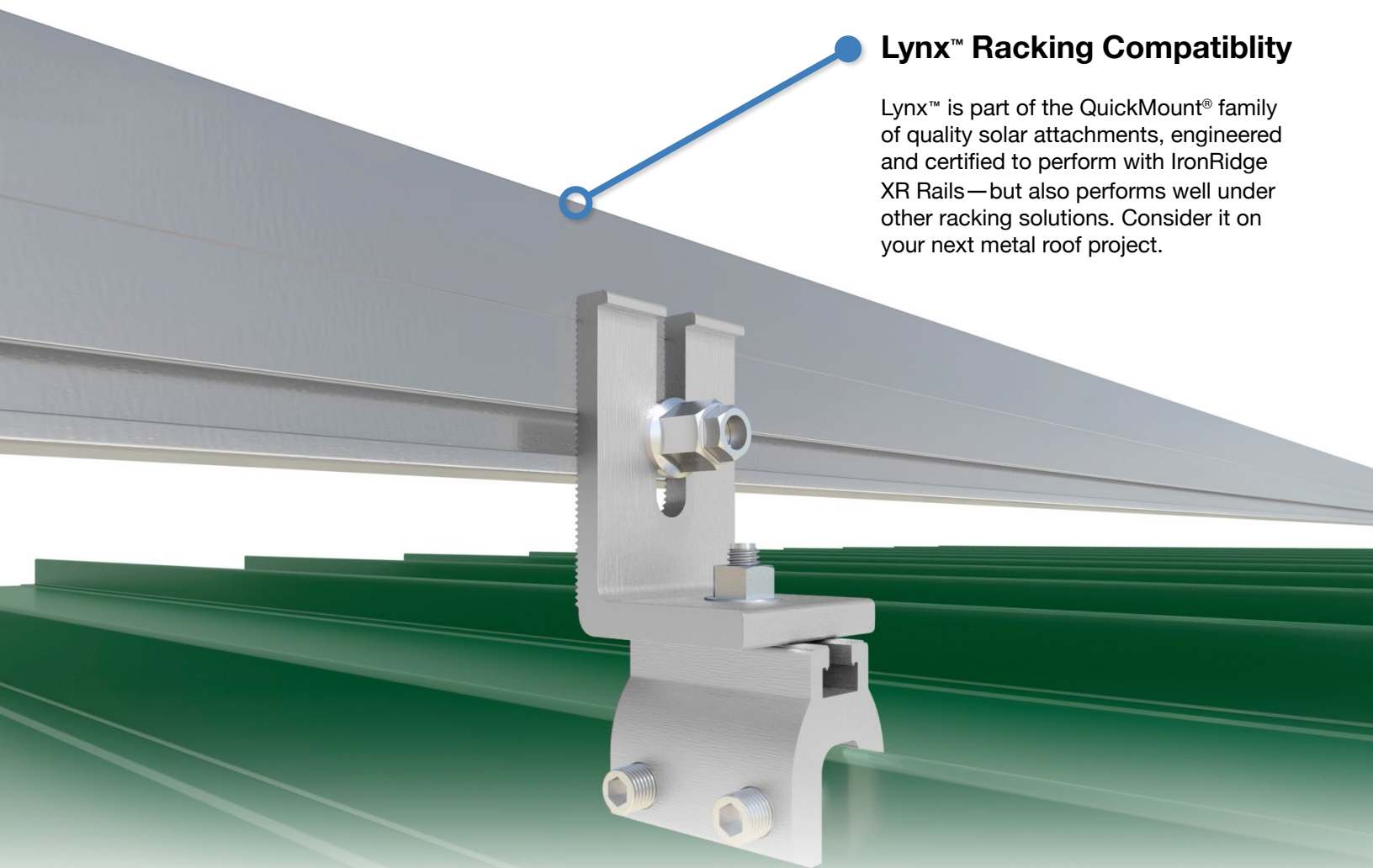
Lynx™ Metal Roof Compatibility

QuickMount® Lynx™ can be used on standing seam roofs (folding and snapping styles) with a vertical seam height of at least 1.0" and a horizontal seam width maximum of 0.5". See the Flush Mount Installation Manual for installation details.



Lynx™ Racking Compatibility

Lynx™ is part of the QuickMount® family of quality solar attachments, engineered and certified to perform with IronRidge XR Rails—but also performs well under other racking solutions. Consider it on your next metal roof project.



Included in Design Assistant

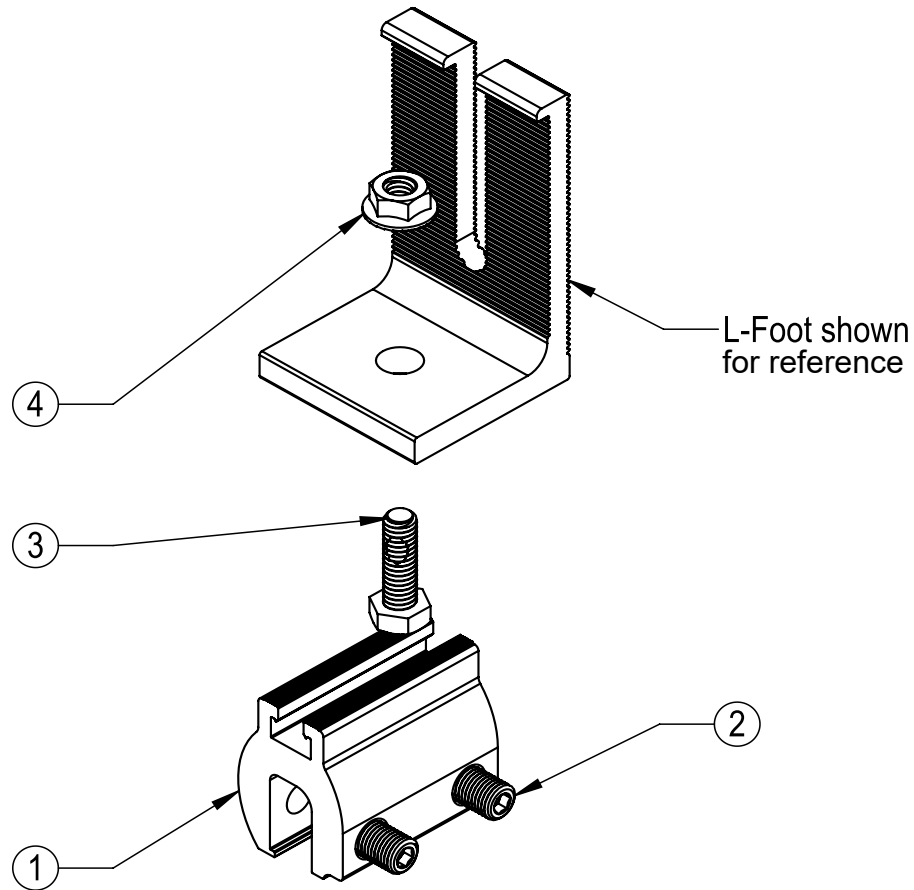
Lynx™ is available in our Pitched Roof Design Assistant, along with a stamped certification letter.



Certification & Testing

Lynx™ is a certified component that has been tested and evaluated to conform with UL 2703.



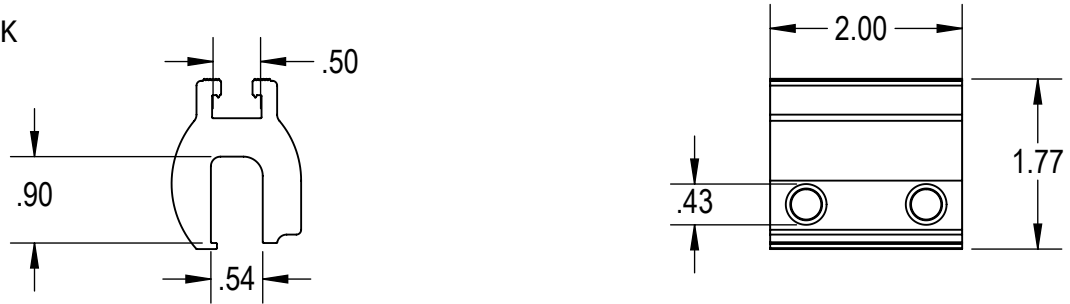


ITEM NO	DESCRIPTION	QTY IN KIT
1	LYNX BLOCK	1
2	HEX DRIVE SET SCREW, 3/8-24	2
3	BOLT, HEX, 5/16-18 X 1"	1
4	SERATED FLANGE LOCK NUT	1

PART NUMBER	DESCRIPTION
QM-LYNX-SS	LYNX STANDING SEAM METAL CLAMP

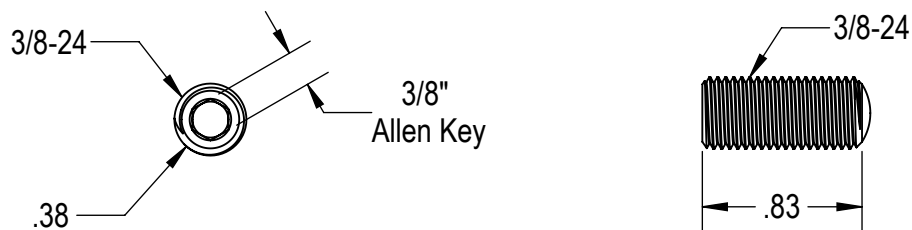


1) LYNX BLOCK



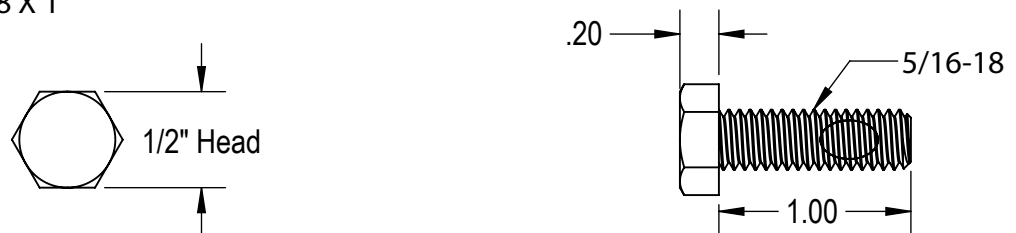
Property	Value
Material	6000 Series Aluminum
Finish	Mill

2) HEX DRIVE SET SCREW, 3/8-24



Property	Value
Material	300 Series Stainless Steel
Finish	Clear

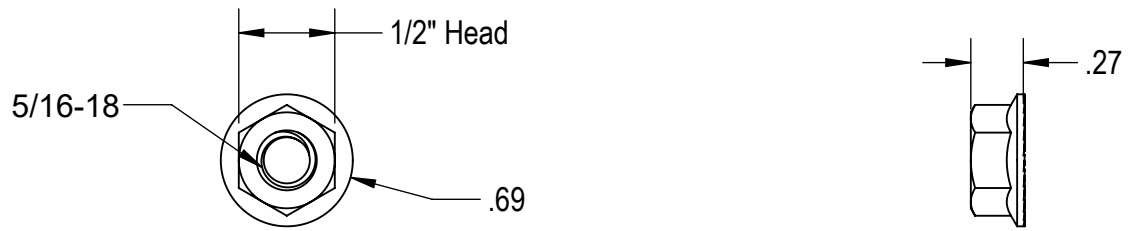
3) BOLT, HEX, 5/16-18 X 1"



Property	Value
Material	300 Series Stainless Steel
Finish	Clear



4) SERATED FLANGE LOCK NUT



Property	Value
Material	300 Series Stainless Steel
Finish	Clear





July 30, 2021

Ironridge Inc
28357 Industrial Boulevard
Hayward, CA 94545
TEL: 800-227-9523

Attn.: Engineering Department

Re: Engineering Certification for the Ironridge – Lynx Standing Seam Roof Clamp

Ironridge – Lynx Standing Seam Roof Clamp

The Ironridge Lynx is an extruded aluminum clamp intended to secure PV modules to existing standing seam roofs.

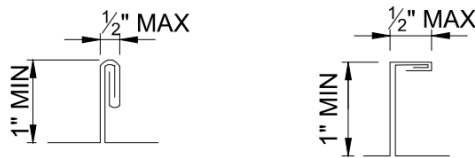
PZSE, Inc. – Structural Engineers has reviewed the Ironridge - Lynx and specifically the Martin Testing Laboratories – *Standing Seam PV Mount* tests (MJO: 3888-01) for Uplift and Lateral strength. This letter certifies the allowable capacities for Ironridge - Lynx and all information, data and analysis within follows the structural requirements of the following Reference Documents:

- 1. Minimum Design Loads for Buildings and other Structures, ASCE/SEI 7-10/7-16
- 2. 2015/2018 International Building Code, by International Code Council, Inc
- 3. 2019 California Building Code, by the California Building Standards Commission
- 4. AC 428, Acceptance criteria for modular framing systems used to support Photovoltaic (PV) Panels.

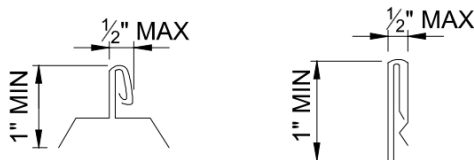
Standing Seam Roof Profiles & Limitations

The Ironridge - Lynx may be attached to any standing seam roof (“Folding” Styles Profile, “Snapping” Style Profiles, etc.) where the vertical seam height is at least 1.0” and the horizontal seam width is a maximum of 0.5”.

“Folding” Styles Profiles:



“Snapping” Style Profiles:





The Ultimate Load Values based on the Martin Testing Laboratories Uplift and Lateral tests and adjusted per the Reference Documents listed above are as follows:

Table 1: Ironridge - Lynx Ultimate and Allowable Values for uplift, lateral-normal to the seam and lateral-parallel to the seam

Ironridge Lynx		Ultimate Values			Allowable Values ^{1,2}		
Standing Seam Profile	GA. Thickness	Uplift Z+, lbs	Lateral - Normal to the seam Y+/-, lbs	Lateral - Parallel to the seam X +/-, lbs	Uplift Z+, lbs	Lateral - Normal to the seam Y+/-, lbs	Lateral - Parallel to the seam X +/-, lbs
"Folding" Style	22	1500	300	600	750	120	240
	24	1500	200	600	750	80	240
	26	1000	200	600	500	80	240
"Snapping" Style	24	862	500	825	431	200	330
	26	862	350	425	431	140	170
Other ³	24	300	100	80	150	40	32

1. The Allowable Values are applicable to the PV system with a Module height not exceeding 6" from the roof surface.
2. The Allowable Values utilize the Factor of Safeties listed in Table 2. It is the responsibility of the designer to employ a factor of safety appropriate for the project.
3. Standing seam roof profiles not shown that meet the dimensions limitations may use the ultimate load values for 'Other'.

Table 2: Manufacturer's Recommended Minimum Factor of Safety

Manufacturer's Recommended Minimum Factor of Safety, Ω	Uplift	Lateral – Normal to seam	Lateral – Parallel to seam
	2.0	2.5	2.5

Failure Modes

Table 3: Summary of Failure Modes

Standing Seam Profile:	Uplift	Lateral – Normal to Seam	Lateral – Parallel to Seam
"Folding" Style	Tearing/yielding of the seam	Breakage of a clamp component	Tearing/yielding of the seam
"Snapping" Style	Tearing/yielding of the seam	Breakage of a clamp component	Tearing/yielding of the seam



Designer Responsibility

The Ironridge - Lynx standing seam roof clamp is intended to be used under the responsible charge of a registered design professional where required by the authority having jurisdiction. In all cases, the Ultimate Values shall be reduced by an appropriate Factor of Safety under the direction of a design professional with sufficient structural engineering knowledge and experience to be able to:

- Evaluate whether the Ironridge Lynx is applicable to the project, based on the characteristics of the project, and
- Understand and determine the appropriate environmental loading conditions.

The user or design professional in responsible charge assumes full design responsibility. Refer to the Manufacturer’s Installation manual for more information.

The capacity of the building structure to support the loads imposed on the building by the Ironridge Lynx including the fasteners, attachment to underlying structure, and the capacity of the underlying members are outside the scope of this certification. The capacity of the building is outside the scope of our review.

If you have any questions on the above, do not hesitate to call.

Prepared By:
PZSE,Inc – Structural Engineers
Roseville,CA

