



Smarter. Stronger. Steel.

American Institute of Steel Construction
312.670.2400 | www.aisc.org



Photo: Thornton Tomasetti, Inc.

Market Development





AISC Structural Steel Specialists



Tabitha Stine
Vice President of Market Development

Directors of Market Development



Tim Bradshaw ●



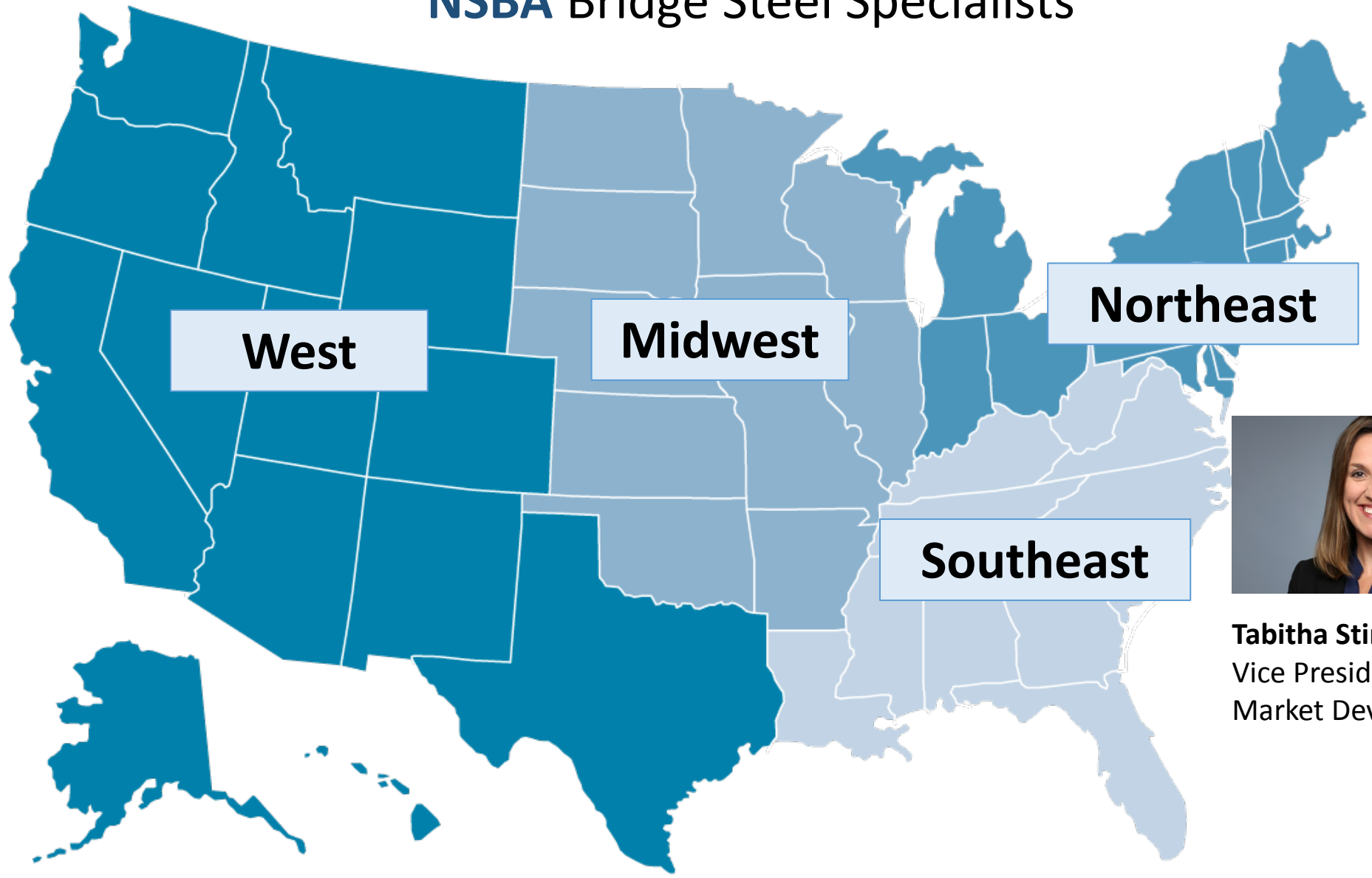
Brad Lange ●



Erin Conaway ●



NSBA Bridge Steel Specialists



West

Midwest

Northeast

Southeast



Jeff Carlson
Director of Market Development



Tabitha Stine
Vice President of Market Development



Chris Garrell
Chief Bridge Engineer



Photo: Thornton Tomasetti, Inc.

Fabricator Connection





Fabricator Connection

May 2018

Thank you for your participation in the Fabricator Connection Committee. This quarterly Fabricator Connection Newsletter is to keep you informed about upcoming meetings, committee information and AISC news—and also to provide you with a resource to bring back to your own meetings. If you'd like to contribute to the newsletter or notice there is something significant we are leaving out, please don't hesitate to contact Carly Hurd, Director of Membership Services (hurd@aisc.org | 312.670.5442.) Carly is AISC's main point of contact for the Fabricator Connection.

Industry News

Game-changing Seattle high-rise breaks ground: Construction has begun on the first skyscraper to feature the new SpeedCore system. This sandwich system of cross-tied steel-plate wall, field-filled with concrete, promises to slash 40% off the time to build a steel-framed building with a concrete core. If successful, the project, designed by Magnusson Klemencic Associates, has the potential to usher in a new generation of steel-framed high-rises. Learn more at www.aisc.org/speedcore.

AISC has a new tagline: In the 1960s, we promised that "Steel Stands for the Future," in the 2000s we assured you that "There's always a solution in steel." And now, we boldly state "Stronger. Smarter. Steel." AISC's new tagline is part of the Institute's efforts to offer a cleaner and more dynamic look.

We've also iterated a new Steel Industry value proposition: "Steel is the best choice, offering ground-breaking new design and construction solutions, cost-effectiveness, building safety, and overall cost-effectiveness. Building the future today, and shaping the future tomorrow." And a new AISC website, www.aisc.org, is now live.

Fabricator Connection Meeting

The fabricator connection had its first successful meeting April 10 in Baltimore. Twenty four representatives from each of the regional associations were in attendance.



Wage/Salary Survey

Educating Designers

AISC Participation in Fabricator Association Activities

Information Exchange

Industry Education/Workforce Training



Wage/Salary Survey

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(plus two dozen other ideas)

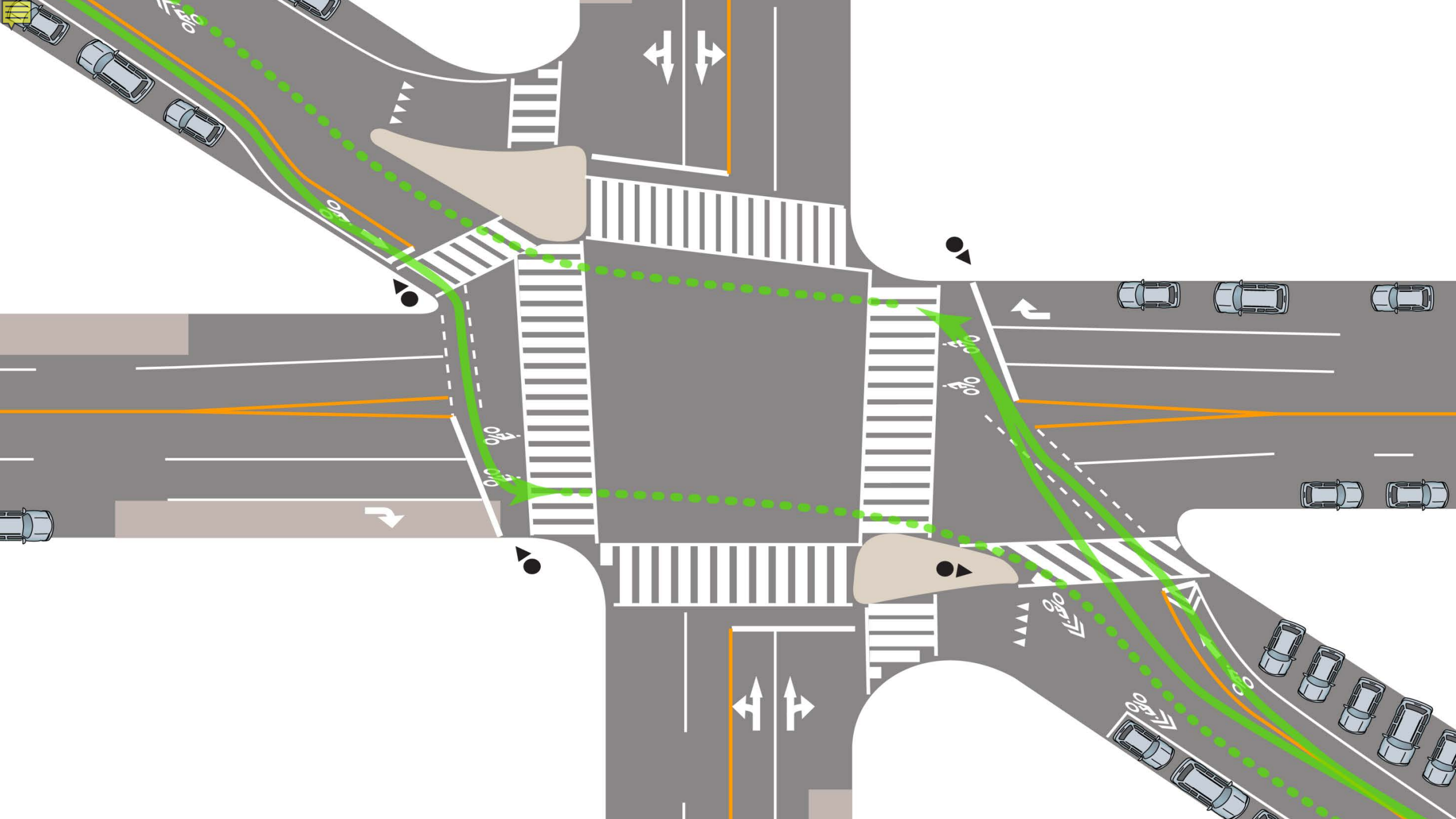




Photo: Thornton Tomasetti, Inc.

Government Relations





Photo: Thornton Tomasetti, Inc.

Tariffs



What's a 232 Investigation?

THE EFFECT OF IMPORTS OF STEEL ON THE NATIONAL SECURITY

AN INVESTIGATION CONDUCTED UNDER SECTION 232 OF THE
TRADE EXPANSION ACT OF 1962, AS AMENDED



**U.S. Department of Commerce
Bureau of Industry and Security
Office of Technology Evaluation**

January 11, 2018

What's a 301 Investigation?

THE EFFECT OF IMPORTS OF STEEL ON THE NATIONAL SECURITY

AN INVESTIGATION CONDUCTED UNDER SECTION 232 OF THE
TRADE EXPANSION ACT OF 1962, AS AMENDED

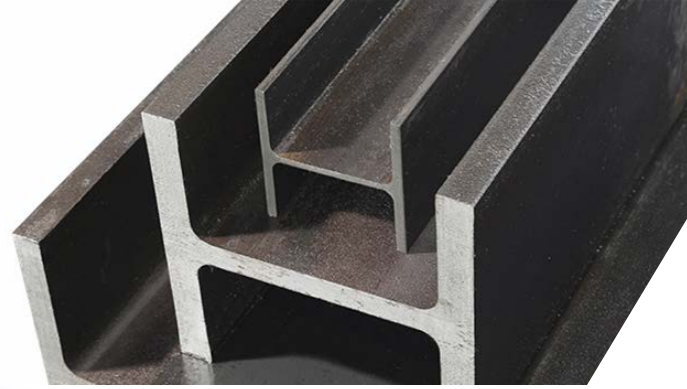


**U.S. Department of Commerce
Bureau of Industry and Security
Office of Technology Evaluation**

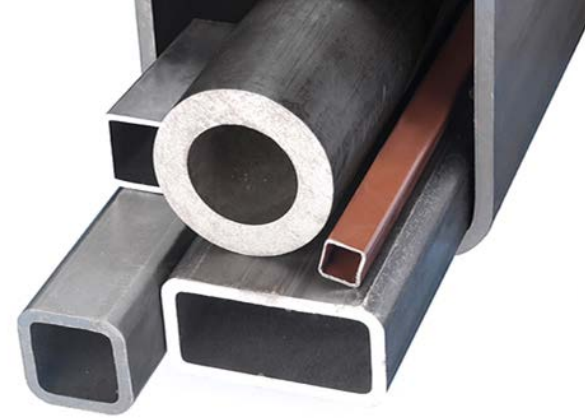
January 11, 2018



Concrete reinforcing
Bar - "Rebar"



Long products - bars, rails,
rods, and beams



Pipe and tube products -
either seamless or welded



Flat products - sheets, strips,
and plates

Remember, Domestic Steel is Tariff Free





25% Tariff

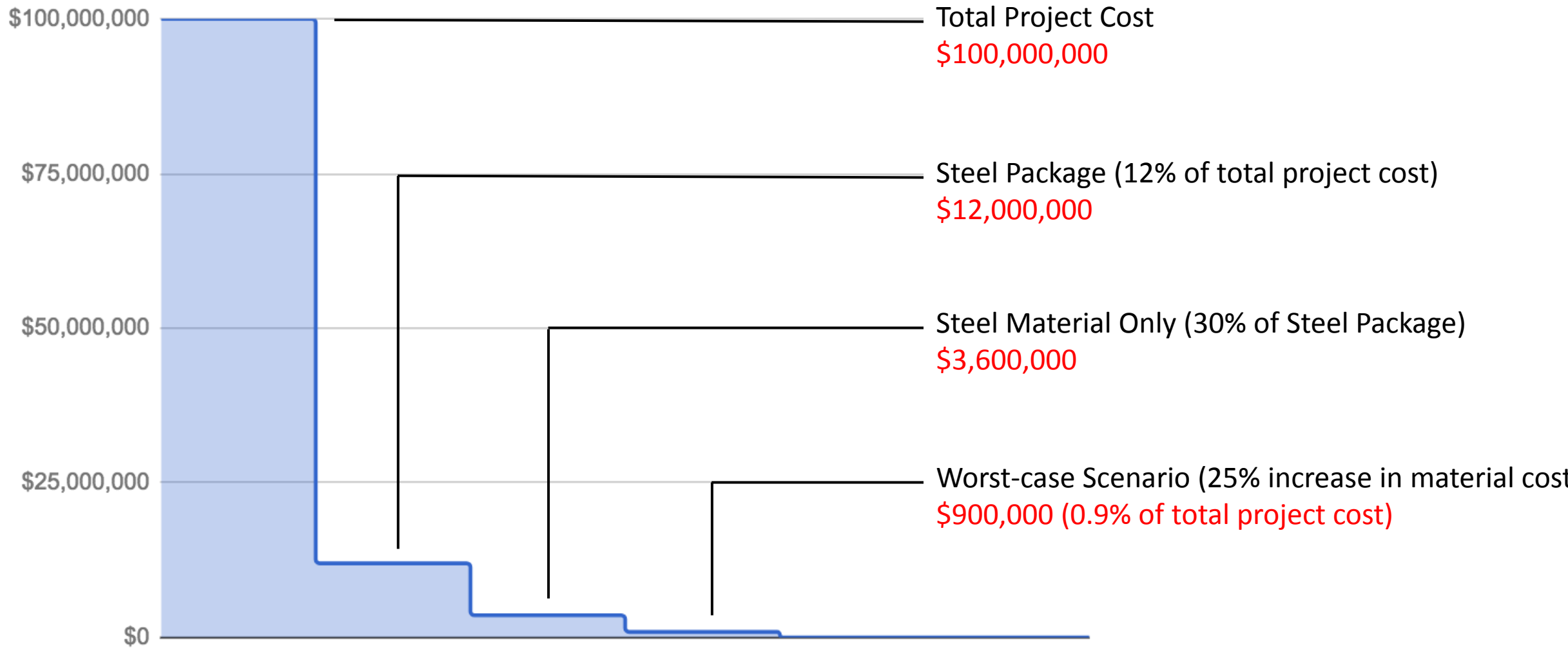
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25% Cost Increase



Value Example

Project cost breakdown focused on a hypothetical foreign steel package





20-CITY AVERAGE

ITEM	UNIT	\$PRICE	%MONTH	%YEAR
STANDARD STRUCTURAL SHAPES				
Average	CWT	52.85	+1.0	+1.8
Channel beams, 6" Deep, 8.2 LB/LF	CWT	52.68	+0.6	+0.4
I-beams, 6" Deep, 12.5 LB/LF	CWT	54.18	+1.6	+2.0
Wide-flange, 8" Deep, 31 LB/LF	CWT	51.67	+0.9	+3.0
REINFORCING BARS				
Grade 60, No. 4	CWT	52.23	+0.3	+10.2
HOT-ROLLED CARBON-STEEL PLATE				
12 gauge, 48" x 10'	CWT	47.94	+0.9	+0.7
ALUMINUM SHEET				
3003H14, 36" x 96"	CWT	211.63	+1.0	+4.6
STAINLESS-STEEL SHEET				
14 gauge	CWT	173.68	+0.2	-3.3
16 gauge	CWT	178.47	+0.5	-3.2
20 gauge	CWT	177.68	-0.2	+2.3
STAINLESS-STEEL PLATE				
304, 1/4", 72" x 240"	CWT	197.66	+0.8	-0.3
316, 1/4", 96" x 140"	CWT	272.90	+2.7	+3.4
STEEL PILING (H-PILE)				
HP10 x 42	CWT	32.99	0.0	-0.1

SOURCE: ENR

PLATTS* STEEL SPOT MARKET PRICES: FEB. 2018

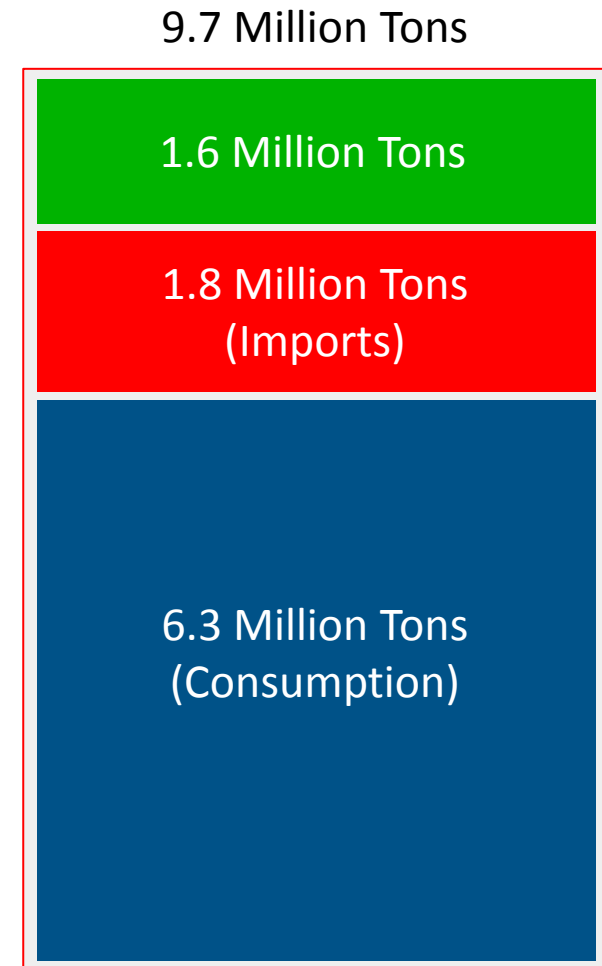
Reinforcing bar, No. 5	TON	614.61	+6.0	+14.8
Plate	TON	831.83	+9.0	+34.8
Hot-rolled coil	TON	744.47	+9.2	+20.8

SOURCE: *PLATTS S&P GLOBAL REBAR SOUTHERN U.S.; PLATE PRICES U.S. SOUTHEAST AVERAGE; HOT-ROLLED COIL PRICES INDIANA

ENR's Materials Prices | For March 2018

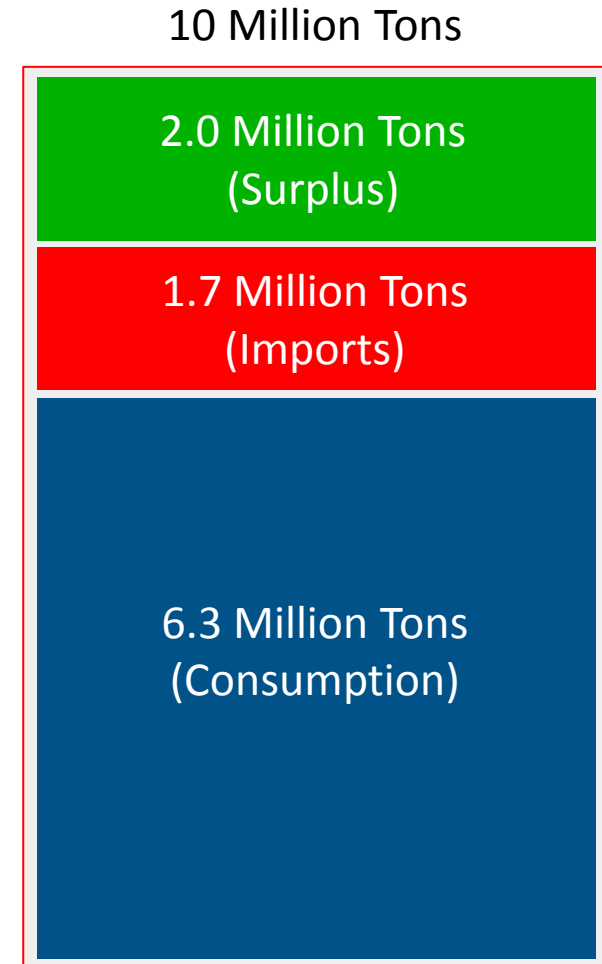


Domestic Production For Construction





Domestic Fabrication For Construction





©Henrik Kam Photography

Photo Credit: Magnusson Klemencic Associates, Michael Dickter

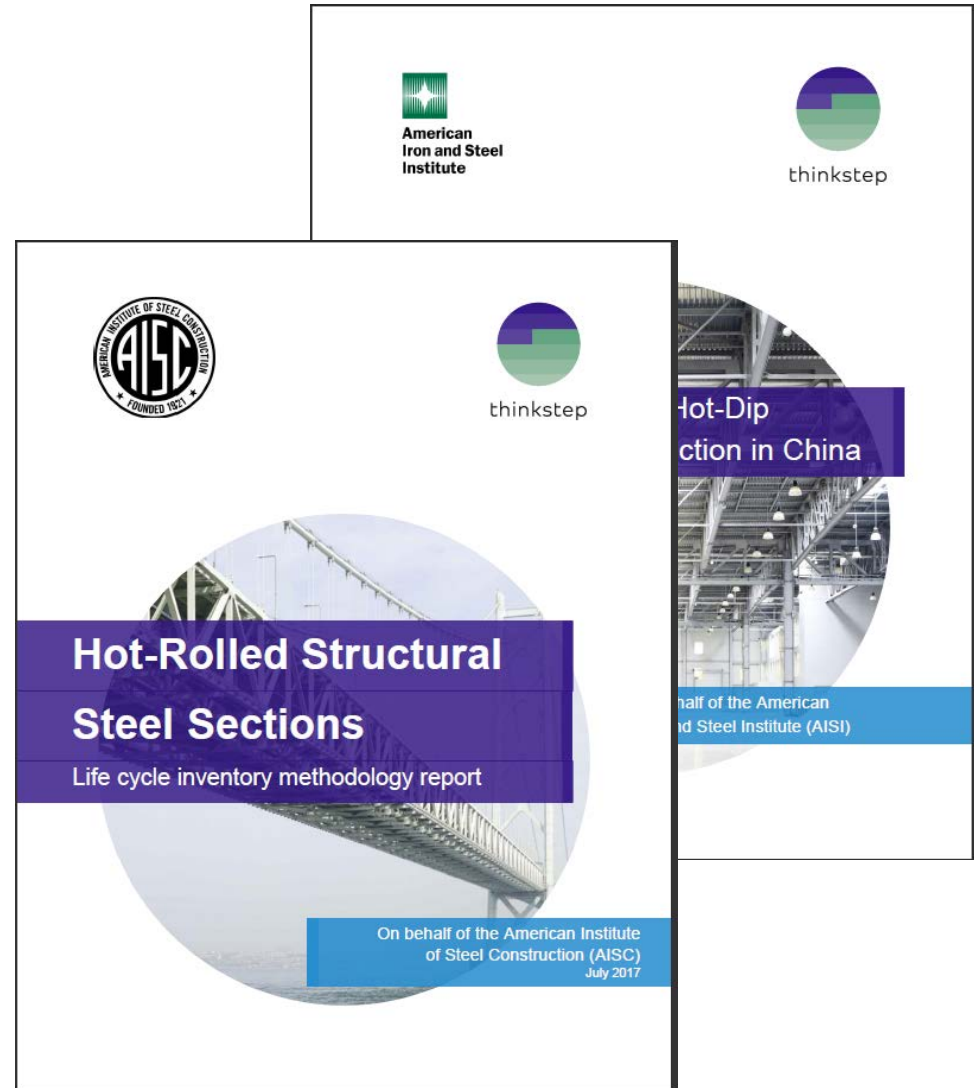


Steel Quantities in Steel and Concrete Framed Buildings



China's carbon footprint is 3 times the US carbon footprint

Product	Impact Category	Units	Produced in China	Produced in the US
Hot-Rolled Structural Sections	GWP-100	Tons CO ₂ eq/ton	2.94	0.98



Structural Steel is the Low-Volatility Material

Typical Mill Pricing W14x68



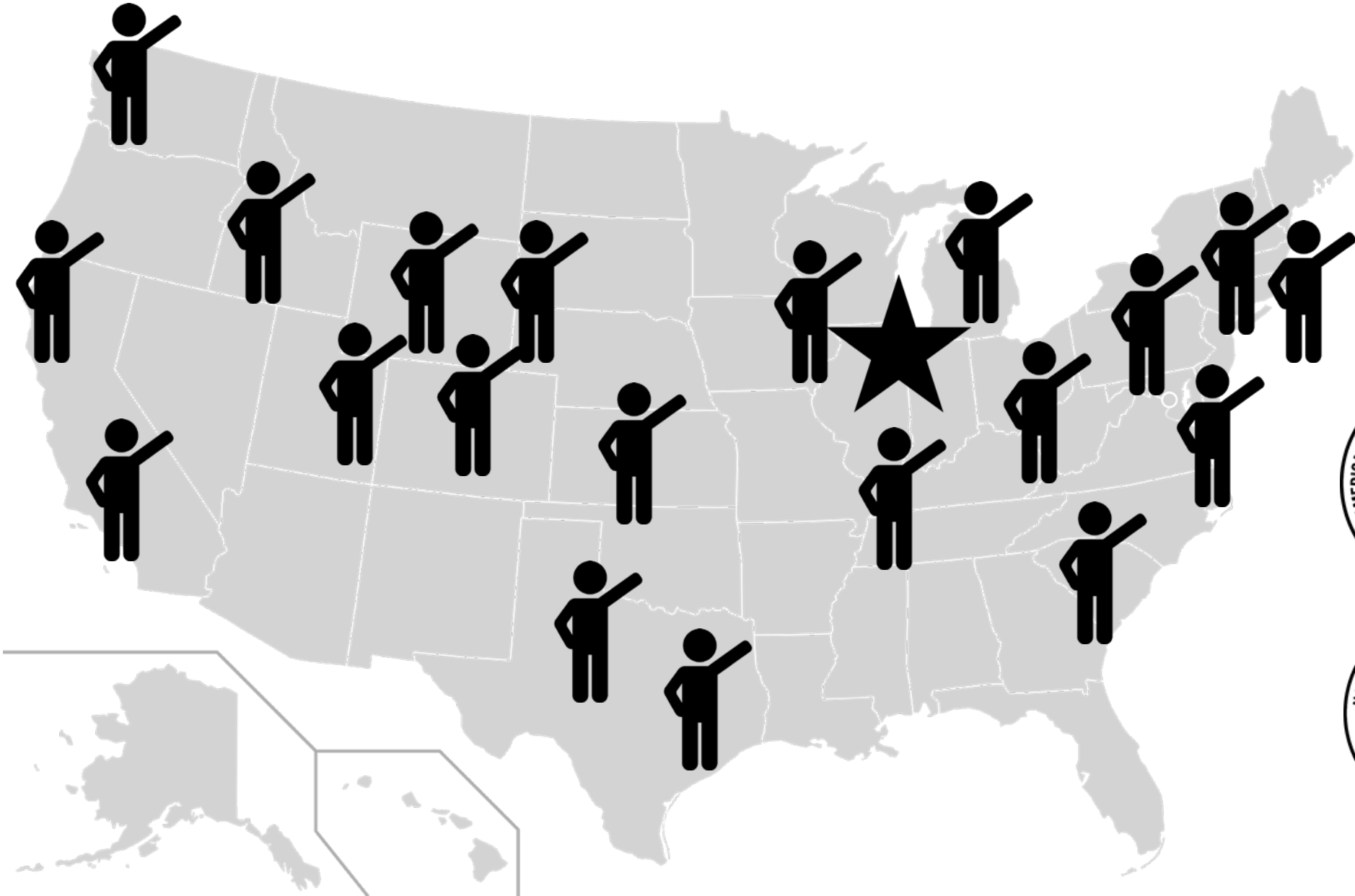
Controlling Risk and Gaining Control!

- Involve your fabricator early
- Continue to design your projects while leveraging the benefits of structural steel
- Have a seat at the table to best understand the steel supply chain constraints for YOUR individual project
- Ask for help and assistance when needed!



Photo: Jeremy Bitterman

We're Here To Help!



We're Here To Help!



STEEL SOLUTIONS CENTER



aisc.org/solutions | solutions@aisc.org | 866.ASK.AISC
www.aisc.org | Twitter: @aisc | Instagram: @aisc
Facebook: facebook/aiscDOTorg

Presentations

5

Steel Tube Institute
Tariff Live Recorded Webinar
Infrastructure/Tariffs Webinar
NASCC: The Steel Conference
Central Fabricators Assoc.

www.aisc.org/tradetalk





AISC Certification





SpeedCore



THE CONSTRUCTION RESOURCE

ENR

Engineering News-Record

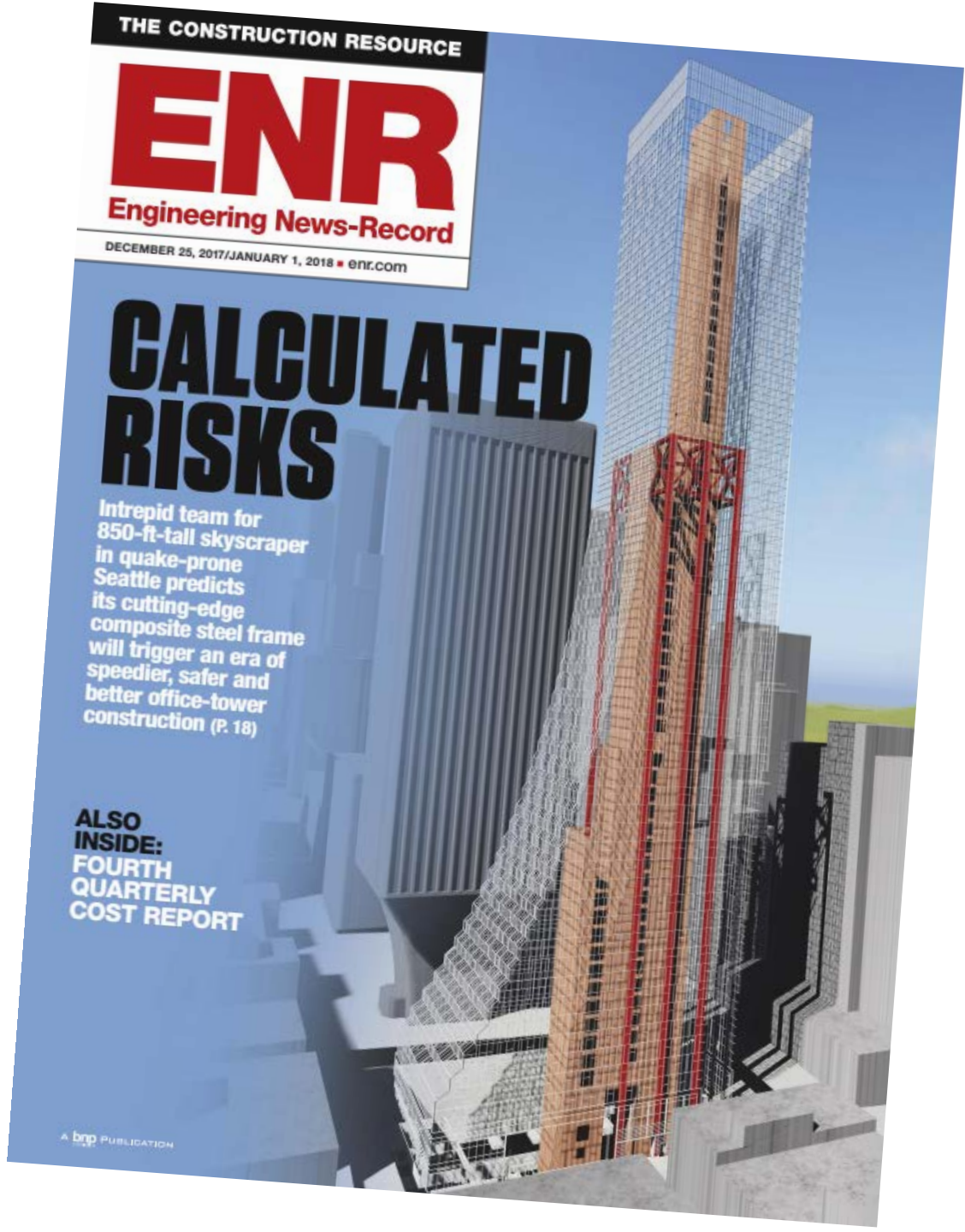
DECEMBER 25, 2017/JANUARY 1, 2018 • enr.com

CALCULATED RISKS

Intrepid team for 850-ft-tall skyscraper in quake-prone Seattle predicts its cutting-edge composite steel frame will trigger an era of speedier, safer and better office-tower construction (P. 18)

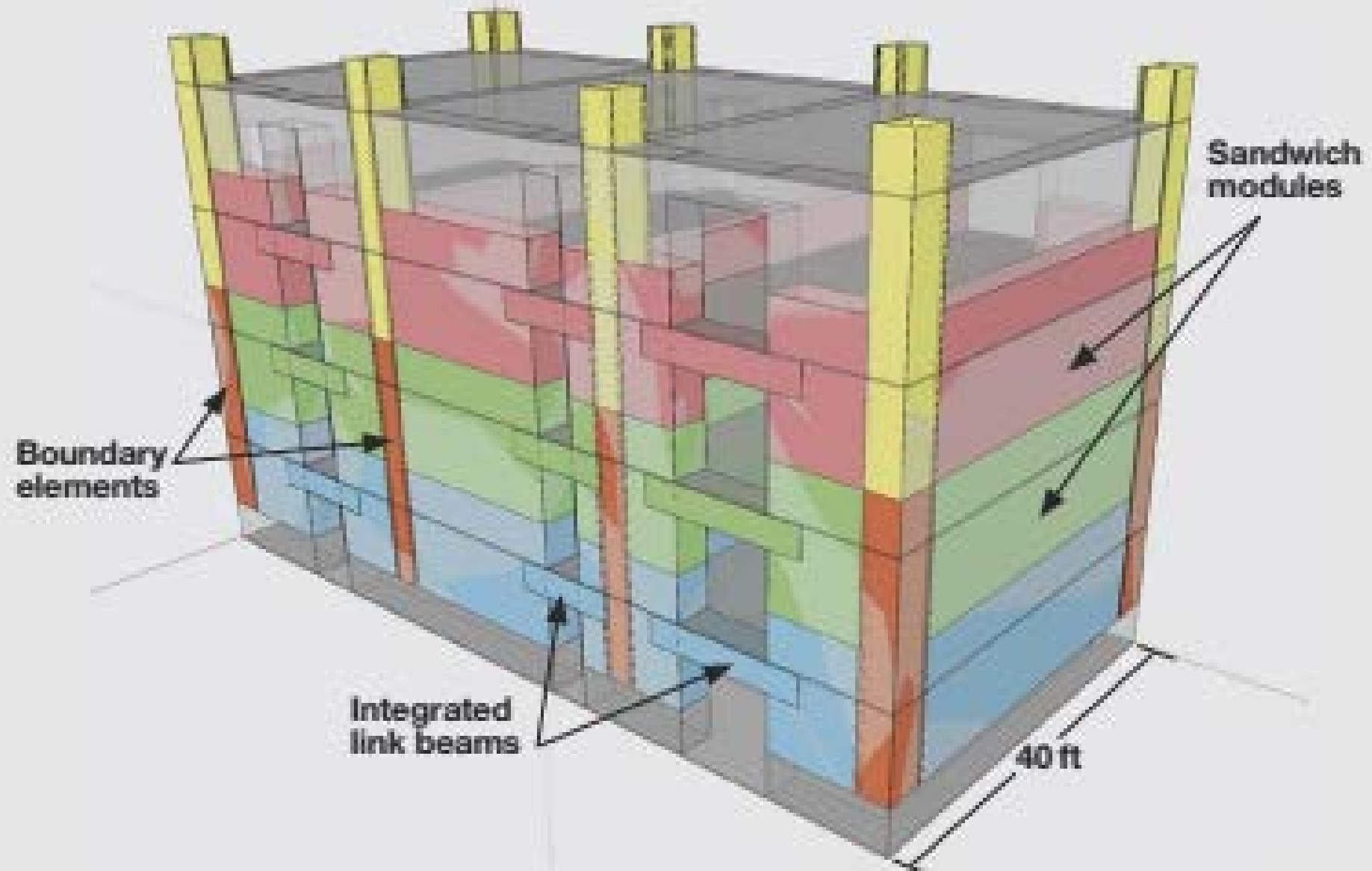
**ALSO INSIDE:
FOURTH QUARTERLY COST REPORT**

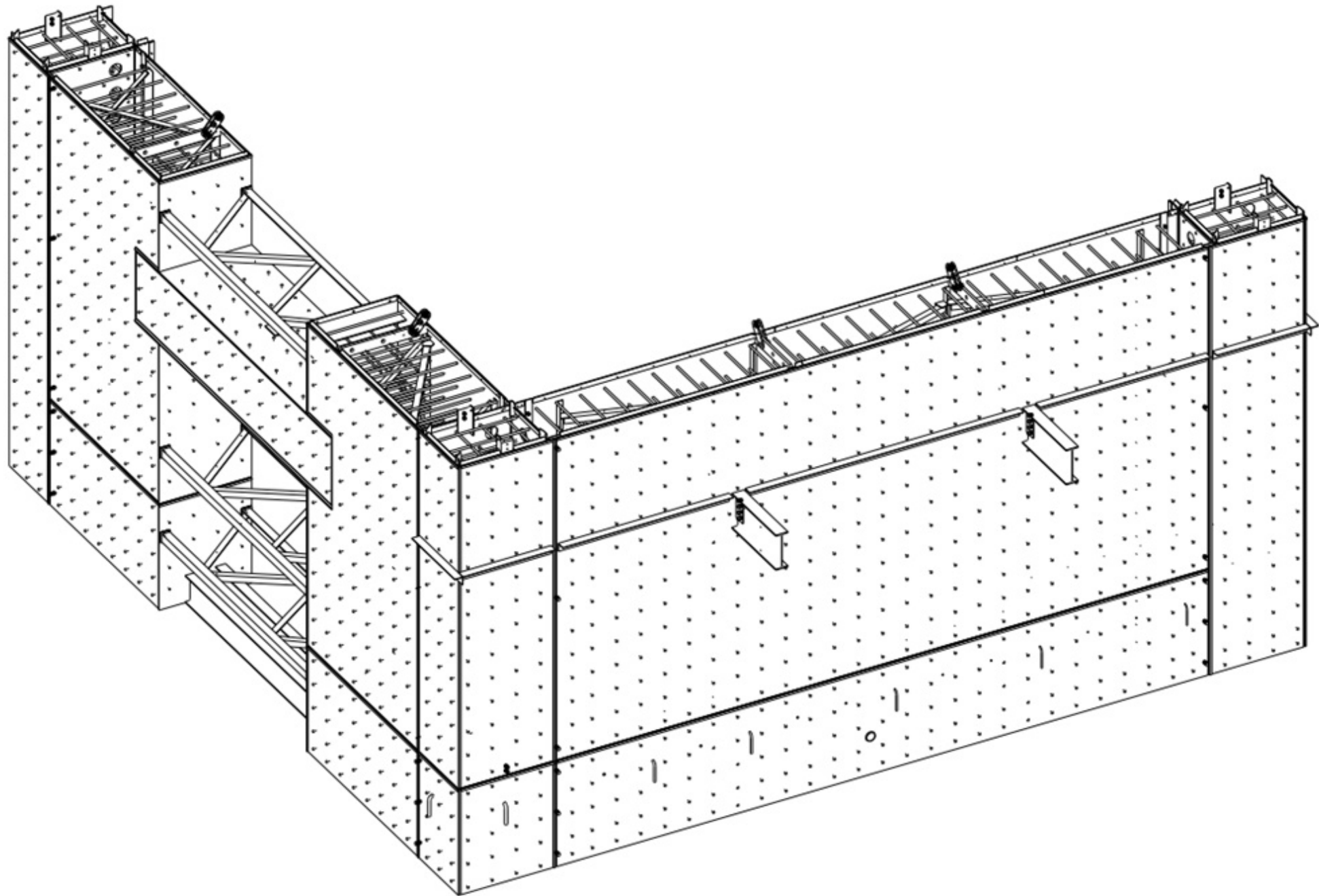
A **bnp** PUBLICATION



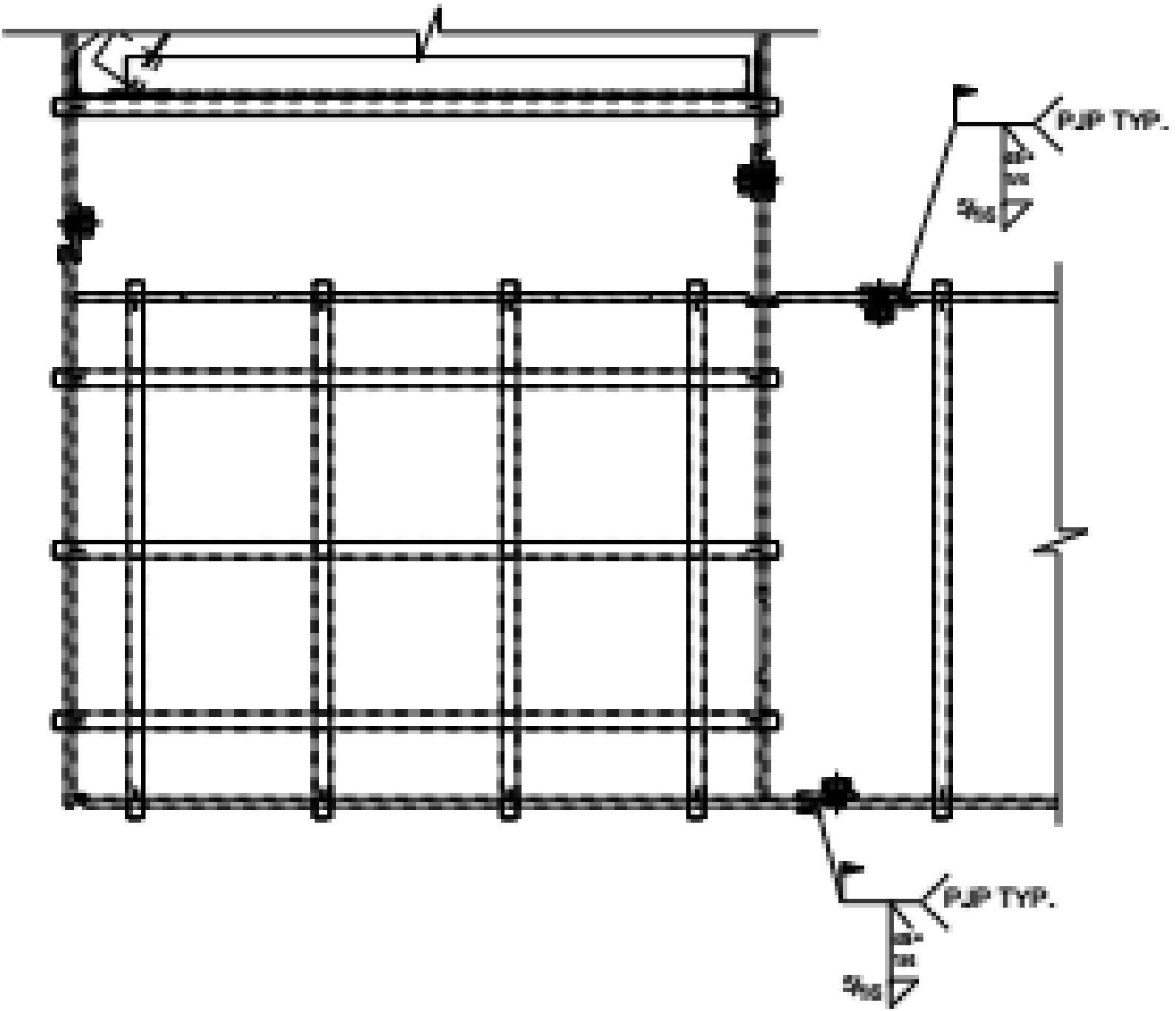


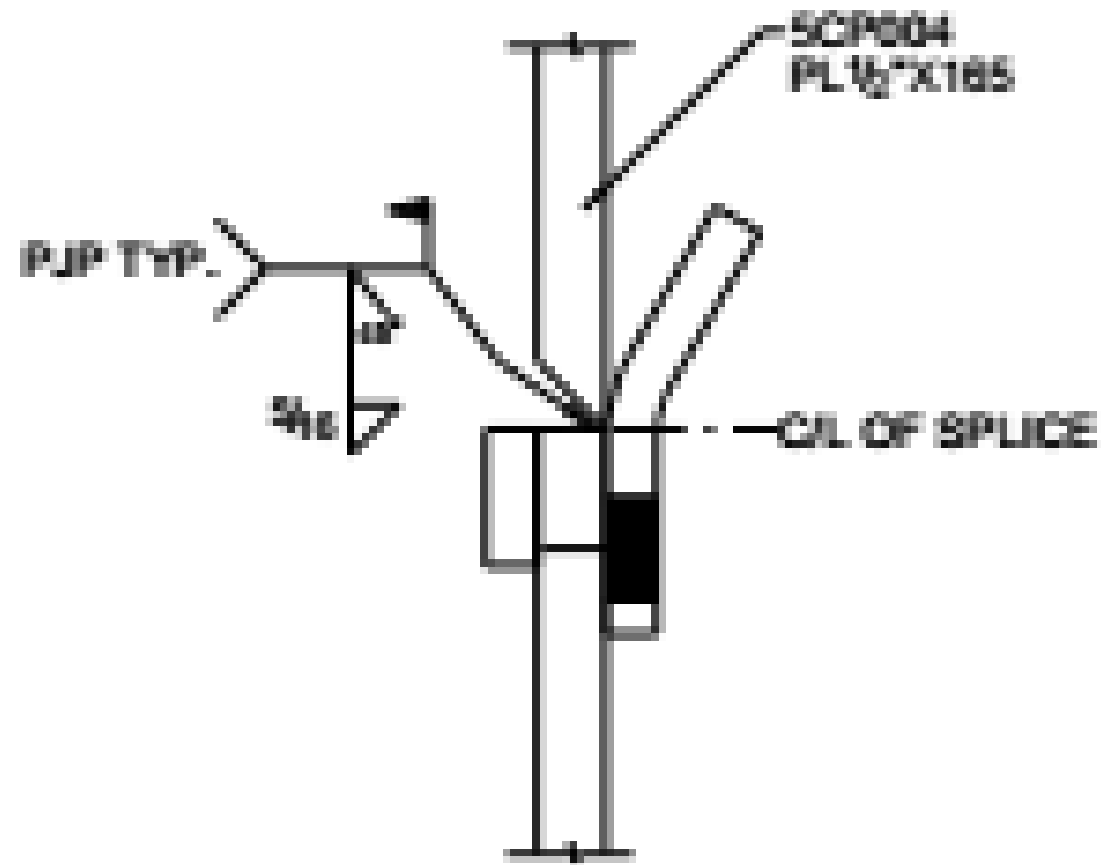
COMPOSITE STEEL CORE





MOCKUP 3D VIEW





CORE PANEL TO PANEL HORIZONTAL SPLICE DETAIL

SCP002
PL 1/2" X 38 1/4"

SCP004
PL 1/2" X 165"

SP003
PL 3/8" X 4"
LIFTING PLATE

SP003
PL 3/8" X 4"
LIFTING PLATE

SCC004
PL 1/2" X 47 1/4"

SCP002
PL 1/2" X 38 1/4"

SCC003
PL 1/2" X 36"

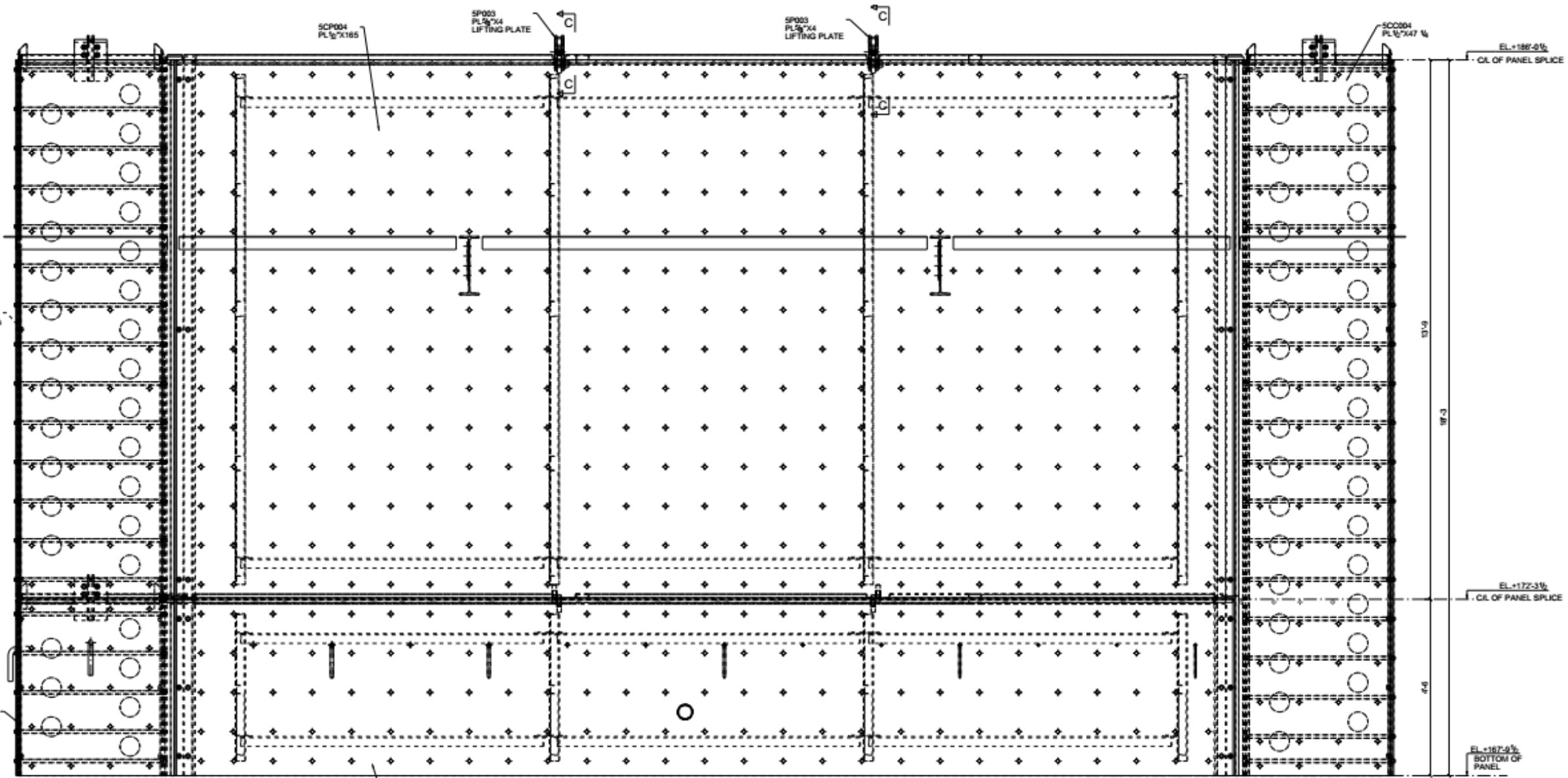
SCP003
PL 1/2" X 54"

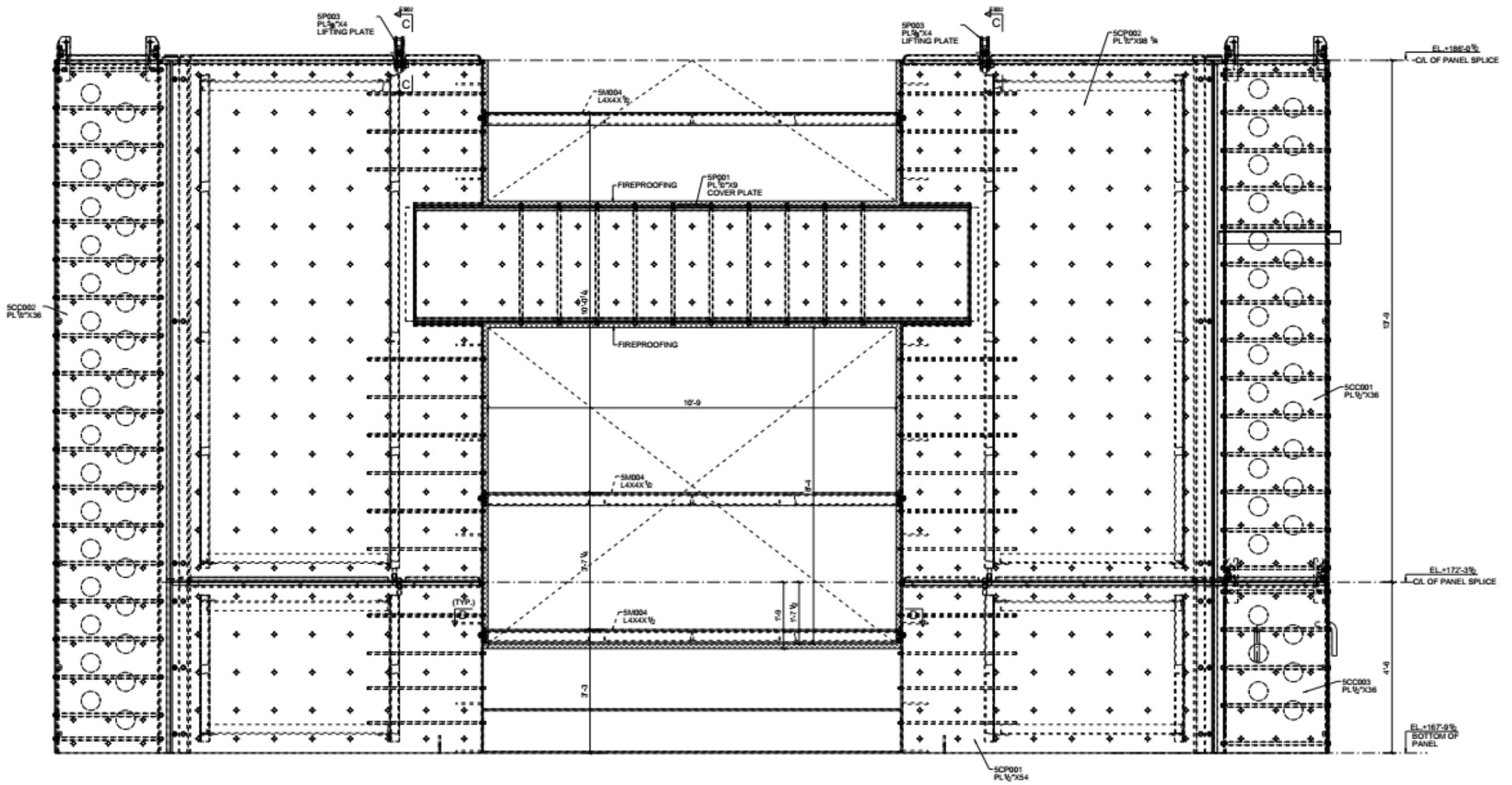
EL. +187'-0 1/2"
CL OF PANEL SPLICE

EL. +172'-3 1/2"
CL OF PANEL SPLICE

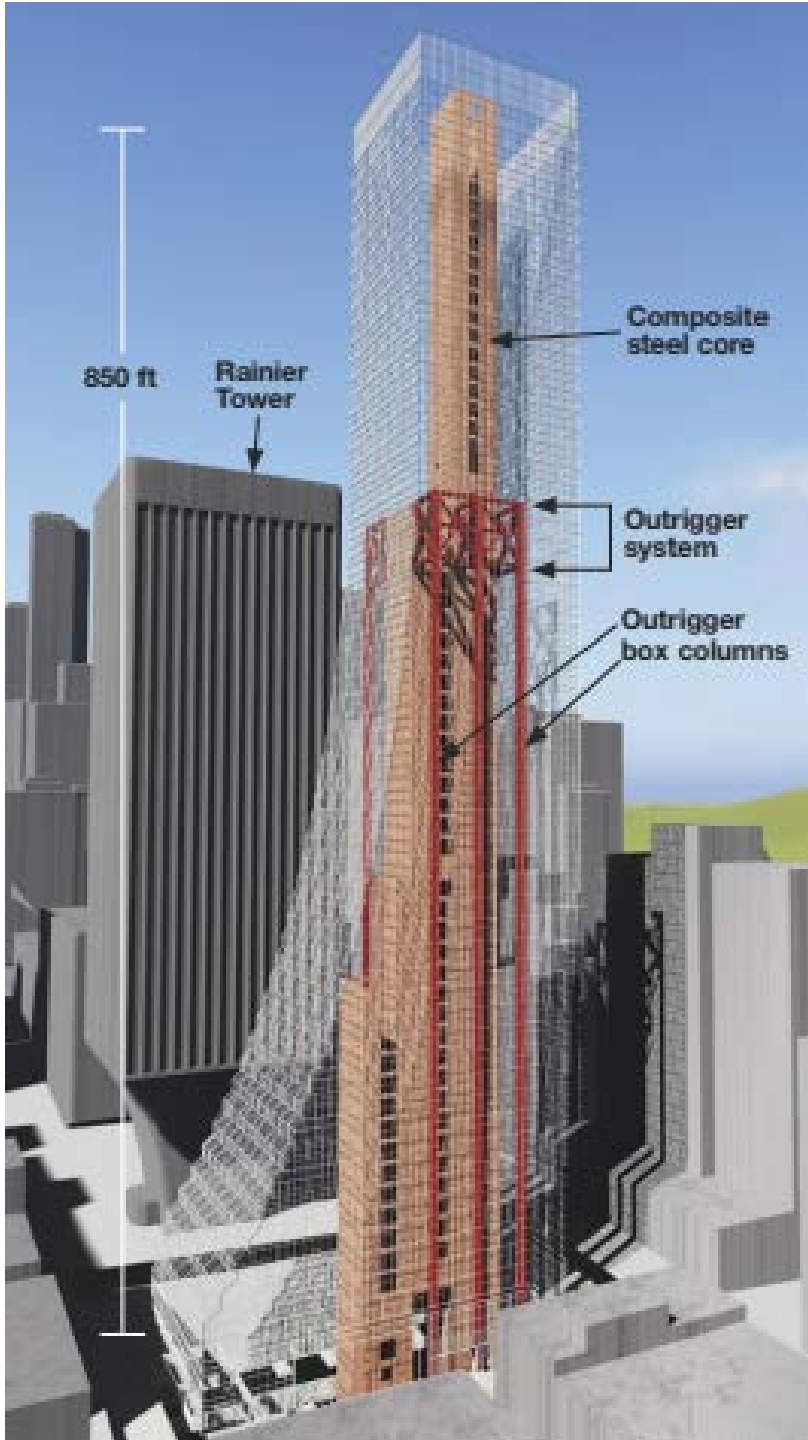
EL. +187'-0 1/2"
BOTTOM OF PANEL

SECTION A - A
1801





SECTION B-B







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