ELEV

ELEVATOR STUD SPLICE CLIP

PATENT PENDING

LABOR SAVING SPLICE CLIP FOR WALLS AND CEILINGS

SCAFCO® Steel Stud Company

www.SCAFCO.com

ELEV - Introduction

Product Application

The ELEV elevator stud splice clip is used to join two shorter stud members into one long member for jobsites where elevator transportation limits the allowable stud length.

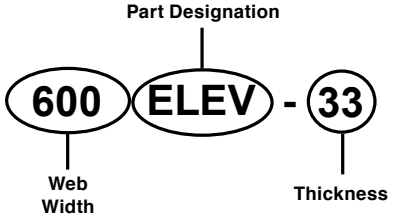
Features and Benefits

- Available in widths of 3.5" to 6"
  - *Other widths available upon request*
- Available in standard 24" lengths
- Pre-punched guide holes
- Customizes lengths without additional cutting
- Splice design calculations available, contact Technical@SCAFCO.com

Material Composition

- Mill certified steel
- ASTM: A653/A653M
- 33 mil
  - *33 ksi yield strength*
  - *45 ksi tensile strength*
  - *G60 galvanized coating*
- Contact Technical@SCAFCO.com for additional material thickness.

Nomenclature Example



Quantity / Order Information

Part No.	Stud Dimensions	
	Width	Flange
350ELEV-33	3 ½"	125
362ELEV-33	3 ⅝"	125
400ELEV-33	4"	125
550ELEV-33	5 ½"	125
600ELEV-33	6"	125

Table Notes

1. ELEV Clips come in 24" standard length. Custom length available upon request.
2. ELEV Clips come with standard 1¼" legs. Longer legs available upon request.

ELEV - Features and Benefits

Features

The ELEV Elevator Stud Splice Clip has been engineered to provide a simple and effective solution for connecting (i.e. splicing) studs when elevators limit the allowable stud length on the job. The clip was designed with contractor input to be user-friendly and save labor. The following features help make this product the leader in the industry.

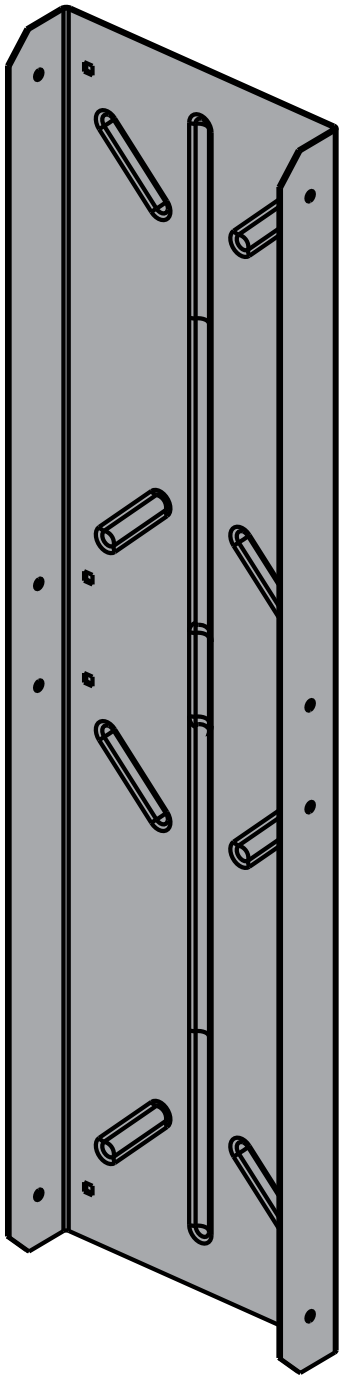
LABOR SAVINGS

Pre-Cut Lengths

- Standard 24” clip length accommodates all typical splice conditions

Pre-Punched Holes

- Pre-punched holes allow for expedited screw attachment



STRENGTH

Stiffening Ribs

- Stiffened clip face reinforces critical splice connection

VERSATILITY

Pre-Punched Screw Holes

- 2 sets of screw configurations for easy assembly
  - *8 screw holes in web*
  - *4 screw holes in each flange*

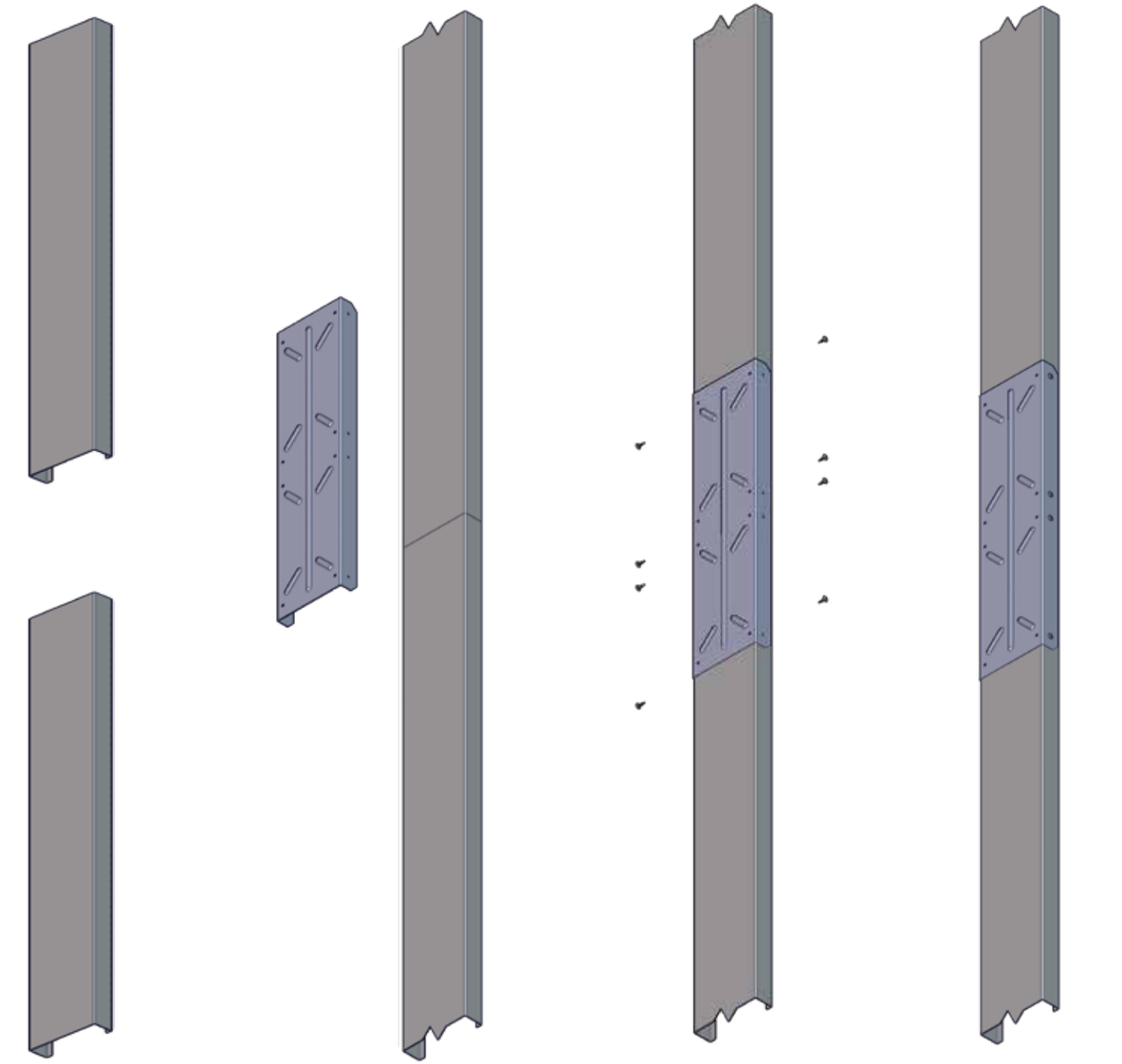
SAFETY

Chamfered Corners

- Reduces sharp corners and possibility of field injury
- Safer product, brings savings to the building owner

ASSEMBLY IS AS EASY AS 1,2,3

Note: Flange screw configuration depicted.



STEP 1 **STEP 2** **STEP 3** **COMPLETE**

ELEV - Attachment Design

ELEV Web Screw Configuration

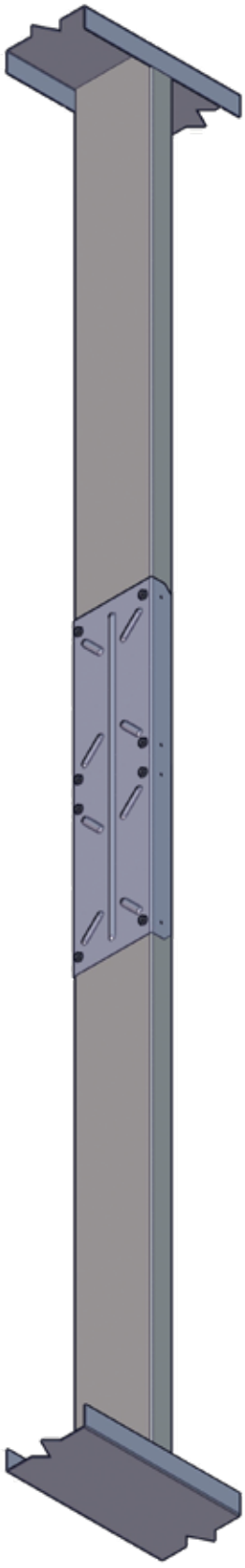
Use the ELEV web screw configuration to assist with smooth finishes and reduce build-up when finishes are applied. Pan or hex head screws can be used in this configuration. It is recommended that a minimum of #8 screws be used.

ELEV Flange Screw Configuration

Use the ELEV flange screw configuration for typical splice conditions. The pre-punched guide holes assist with the ease of screw placement and positive attachment. Pan head screws are recommended for the flange screw configuration to help reduce buildup. It is recommended that a minimum of #8 screws be used.

Web Screws

Flange Screws



Web Screw Configuration Depicted

Contact Engineering Services

For assistance with the splice design, including complimentary calculations, or questions regarding the visibility of a splice design for your project, utilize SCAFCO Engineering Services:

Call: 509-789-8669
Email: Technical@SCAFCO.com
Website: www.SCAFCO.com

ELEV - Technical Information

Supreme Studs - Allowable Spliced Wall Heights - Non-Composite - Fully Braced

Section	Fy (ksi)	L_u	Spacing (in) oc	5 psf		
				L/120	L/240	L/360
350SFS-D20	57	27.6	12	17' 11"	14' 7"	12' 8"
			16	15' 6"	13' 3"	11' 7"
			24	12' 8"	11' 7"	10' 1"
350SFS-30EQD	57	27.6	12	19' 11"	15' 10"	13' 10"
			16	18' 1"	14' 4"	12' 7"
			24	15' 10"	12' 7"	10' 11"
350SFS-33EQD	57	27.6	12	19' 11"	15' 10"	13' 10"
			16	18' 1"	14' 4"	12' 7"
			24	15' 10"	12' 7"	10' 11"
362SFS-D20	57	27.6	12	18' 4"	15' 2"	13' 3"
			16	15' 10"	13' 9"	12' 0"
			24	12' 11"	11' 11"	10' 6"
362SFS-30EQD	57	27.5	12	20' 6"	16' 3"	14' 2"
			16	18' 7"	14' 9"	12' 11"
			24	16' 3"	12' 11"	11' 3"
362SFS-33EQD	57	27.5	12	20' 6"	16' 3"	14' 2"
			16	18' 7"	14' 9"	12' 11"
			24	16' 3"	12' 11"	11' 3"
400SFS-D20 [1]	57	27.5	12	19' 5"	16' 0"	14' 0"
			16	16' 10"	14' 7"	12' 9"
			24	13' 9"	12' 9"	11' 1"
400SFS-30EQD	57	27.4	12	22' 2"	17' 7"	15' 4"
			16	20' 2"	16' 0"	13' 11"
			24	17' 1"	13' 11"	12' 2"
400SFS-33EQD	57	27.4	12	22' 2"	17' 7"	15' 4"
			16	20' 2"	16' 0"	13' 11"
			24	17' 1"	13' 11"	12' 2"
550SFS-30EQD [1]	57	26.9	12	28' 5"	22' 8"	19' 10"
			16	24' 8"	20' 7"	18' 0"
			24	20' 1"	18' 0"	15' 9"
550SFS-33EQD [1]	57	26.9	12	28' 5"	22' 8"	19' 10"
			16	24' 8"	20' 7"	18' 0"
			24	20' 1"	18' 0"	15' 9"
600SFS-30EQD [1]	57	26.7	12	29' 8"	23' 7"	20' 8"
			16	25' 8"	21' 5"	18' 9"
			24	20' 11"	18' 9"	16' 4"
600SFS-33EQD [1]	57	26.7	12	29' 8"	23' 7"	20' 8"
			16	25' 8"	21' 5"	18' 9"
			24	20' 11"	18' 9"	16' 4"

[1]Web height-to-thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads. "e" Web stiffeners required at ends.

Table Notes

1. 5 pounds per square foot (psf), 7.5 psf, and 10 psf loads have not been reduced for strength or deflection checks; full lateral load is applied.
2. Web crippling check is based on 1" end bearing.
3. Allowable moment is the lesser of Mal and Mad. Stud distortional buckling based on an assumed Kϕ = 0.
4. Limiting heights are based on steel properties only (non- composite) without the contribution of sheathing to strengthen and stiffen the assembly. Properly fastened sheathing is still required for members to be considered fully braced.
5. Published allowable wall heights assume minimum 8 screw connection with no. 8 screws utilizing either the pre-punched web holes or alternatively the pre-punched flange holes.
6. Published allowable wall heights assume only one splice per span.

ELEV - Technical Information

SSMA Studs - Allowable Spliced Wall Heights - Non-Composite - Fully Braced

Section	Fy (ksi)	Spacing (in) oc	5 psf		
			L/120	L/240	L/360
350S125-18	33	12	13' 9"	13' 9"	12' 1"
		16	11' 11"	11' 11"	11' 0"
		24	9' 9"	9' 9"	9' 7"
350S125-30	33	12	19' 11"	16' 7"	14' 6"
		16	17' 3"	15' 0"	13' 2"
		24	14' 1"	13' 2"	11' 6"
350S125-33	33	12	21' 5"	17' 1"	14' 11"
		16	18' 7"	15' 7"	13' 7"
		24	15' 2"	13' 7"	11' 10"
362S125-18	33	12	14' 0"	14' 0"	12' 6"
		16	12' 2"	12' 2"	11' 4"
		24	9' 11"e	9' 11"e	9' 11"e
362S125-30	33	12	20' 3"	17' 0"	14' 10"
		16	17' 7"	15' 6"	13' 6"
		24	14' 4"	13' 6"	11' 10"
362S125-33	33	12	21' 11"	17' 7"	15' 4"
		16	18' 11"	16' 0"	14' 0"
		24	15' 6"	14' 0"	12' 2"
400S125-18 [1]	33	12	14' 9"e	14' 9"e	13' 6"e
		16	12' 10"e	12' 10"e	12' 3"e
		24	10' 5"e	10' 5"e	10' 5"e
400S125-30	33	12	21' 5"	18' 5"	16' 1"
		16	18' 6"	16' 8"	14' 7"
		24	15' 2"	14' 7"	12' 9"
400S125-33	33	12	23' 2"	19' 0"	16' 7"
		16	20' 0"	17' 3"	15' 1"
		24	16' 4"	15' 1"	13' 2"
550S125-30	33	12	25' 8"	23' 9"	20' 10"
		16	22' 3"	21' 6"	18' 11"
		24	18' 2"	18' 2"	16' 6"
550S125-33	33	12	27' 9"	24' 8"	21' 6"
		16	24' 1"	22' 4"	19' 7"
		24	19' 8"	19' 6"	17' 1"
600S125-30	33	12	26' 10"	25' 2"	22' 0"
		16	23' 3"	22' 11"	20' 0"
		24	18' 11"	18' 11"	17' 6"
600S125-33	33	12	29' 0"	26' 2"	22' 10"
		16	25' 2"	23' 9"	20' 9"
		24	20' 6"	20' 6"	18' 1"

[1]Web height-to-thickness ratio exceeds 200. Web stiffeners are required at all support points and concentrated loads.
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SCAFCO Steel Framing

With 60 years of manufacturing experience, SCAFCO has gained a worldwide reputation for high-quality products, great customer service, and strong corporate ethics. Our comprehensive team of engineers, administrative and office staff, and craftsmen, focus on providing customer driven products. We currently have manufacturing facilities in Spokane, WA and Stockton, CA. We also feature press brakes and shears capable of making on demand, custom parts up to 24' in length.

Engineering Services

For assistance with ordering or questions on your project, utilize SCAFCO Engineering Services:

Call: 509-789-8669
Email: Technical@SCAFCO.com

MANUFACTURING LOCATIONS

www.SCAFCO.com

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