



**\*\*\* Effective 9-1-09 \*\*\***  
**Simpson Pricing Worksheet**  
**\*\*\* Confidential \*\*\***



Simpson Strong-tie	Description	Price per Unit	Price per Box (15)
ICFVL		\$6.52	\$97.80
ICFVL-W (includes 8 - D3 screws)	For conventional lumber joists - 1 9/13" width	\$6.52	\$97.80
ICFVL-CW (includes 8 - D3 screws)	For LVL joists - 1 13/16" width	\$6.52	\$97.80

\*All prices are in U.S. dollars and do not include applicable sales tax. Product prices are FOB Omaha, NE. plant and are subject to change without notice. Allowing 10 days turnaround time will help ensure timely delivery of your order. Surcharges may apply for rush orders, special handling, and certain smaller orders. All sales final. No returns. Call for our ordering guidelines at **877-369-2562**.

**Miscellaneous**

**ICFVL Ledger Connector System**

The ICFVL Ledger Connector System is engineered to solve the challenges of mounting wood or steel ledgers to insulated concrete form (ICF) walls. The ICFVL is designed to provide both vertical and lateral, in-plane performance. There are many benefits over traditional anchor bolting, including better on center spacing in most cases, faster installation and no protrusions. The embedded legs of the ICFVL are embossed for additional stiffness and the hole allows for concrete to flow through and around the connector to provide an exposed flange on the face of the ICF provides a structural base for mounting either a wood or steel ledger.

**MATERIAL:** ICFVL-14 gauge; ICFVL-CW and ICFVL-W-16 gauge  
**FINISH:** Galvanized

**INSTALLATION: ICFVL in ICF**

- Snap a chalk line for the bottom of the ledger
- Mark required on center spacing.
- Use ICFVL to mark/verify locations.
- Cut kefs as marked.
- Insert ICFVL flush to the face of the ICF
- Pour concrete.

**Wood Ledger Attachment - ICFVL-W or -CW**

- Slip appropriate ledger connector underneath the ledger
- Install the eight ICF-D3 screws partially into the ledger
- Position the ledger level to the chalk line and drive the screws through the wood and into the ICFVL.

**Steel Ledger Attachment**

- Position the ledger level to the chalk line and against the ICFVL.
- Attach with four 1/4"-14x3/4", #3 drill point screws (not provided)
- All screws should be located at least 1/2" from the edge of the ICFVL.
- Space screws evenly

**CODES:** See page 12 for Code Reference Key Chart.

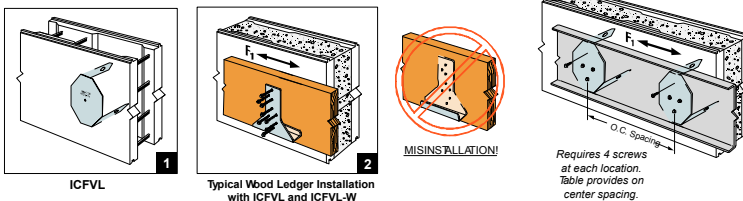
Ledger Type	Fasteners	Allowable Loads (lbs)	
		Download (100/115/125)	Lateral Ft (133/160)
Wood	8-ICF D3	1940	1905
Steel	4-1/4"x3/4"	1860	1525

1. Fasteners for wood ledger (D3) are provided with the part and fasteners for steel ledger are not provided.  
2. Loads apply to ICF foam thicknesses of 2" or less.  
3. Alternately #14 x 3/4" fastener may be used.  
4. Tabulated loads may not be increased.  
5. Concrete f<sub>c</sub> = 2500 psi minimum.  
6. When combining downward and lateral loads, Designer shall evaluate as follows:  
Design Download/Allowable Download + Design Lateral Load/Allowable Lateral Load.

**These tables address vertical load applications only**

Ledger Type	Connector Type	ICFVL SPACING TO REPLACE ANCHOR BOLTS (in) <sup>1,2,3</sup>																Code Ref.
		1/2" Dia. Anchors at				3/4" Dia. Anchors at				(2)-1/2" Dia. Anchors at				3/4" Dia. Anchors at				
		12" o.c.	24" o.c.	36" o.c.	48" o.c.	12" o.c.	24" o.c.	36" o.c.	48" o.c.	12" o.c.	24" o.c.	36" o.c.	48" o.c.	12" o.c.	24" o.c.	36" o.c.	48" o.c.	
<b>WOOD LEDGERS</b>																		
DF/SP/SPF	ICFVL w/ ICFVL-W	484	8	484	8	434	8	484	8	21	42	484	8	394	8	484	8	146
LVL	ICFVL w/ ICFVL-CW	48	48	48	48	43	48	48	48	21	42	48	48	39	48	48	48	146
<b>STEEL LEDGERS</b>																		
68 mils (0.068")	ICFVL	11	22	33	44	9	18	27	36	--	--	--	--	--	--	--	--	146
54 mils (0.054")	ICFVL	15	30	45	48	12	24	36	48	--	--	--	--	--	--	--	--	146

- The Designer may specify different spacing based on the load requirements.
- Spacings are based on perpendicular to grain capacity of bolt in wood ledger compared to value of ICFVL.
- See filer F-ICFVL for additional connection details (see page 187 for details).
- For steel ledgers, the 68 mil ledger spacing is closer than the 54 mil ledger because the tabulated load of a bolt is higher in a thicker piece of steel.
- Steel ledger values are based on steel, #60 ksi.



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Miscellaneous