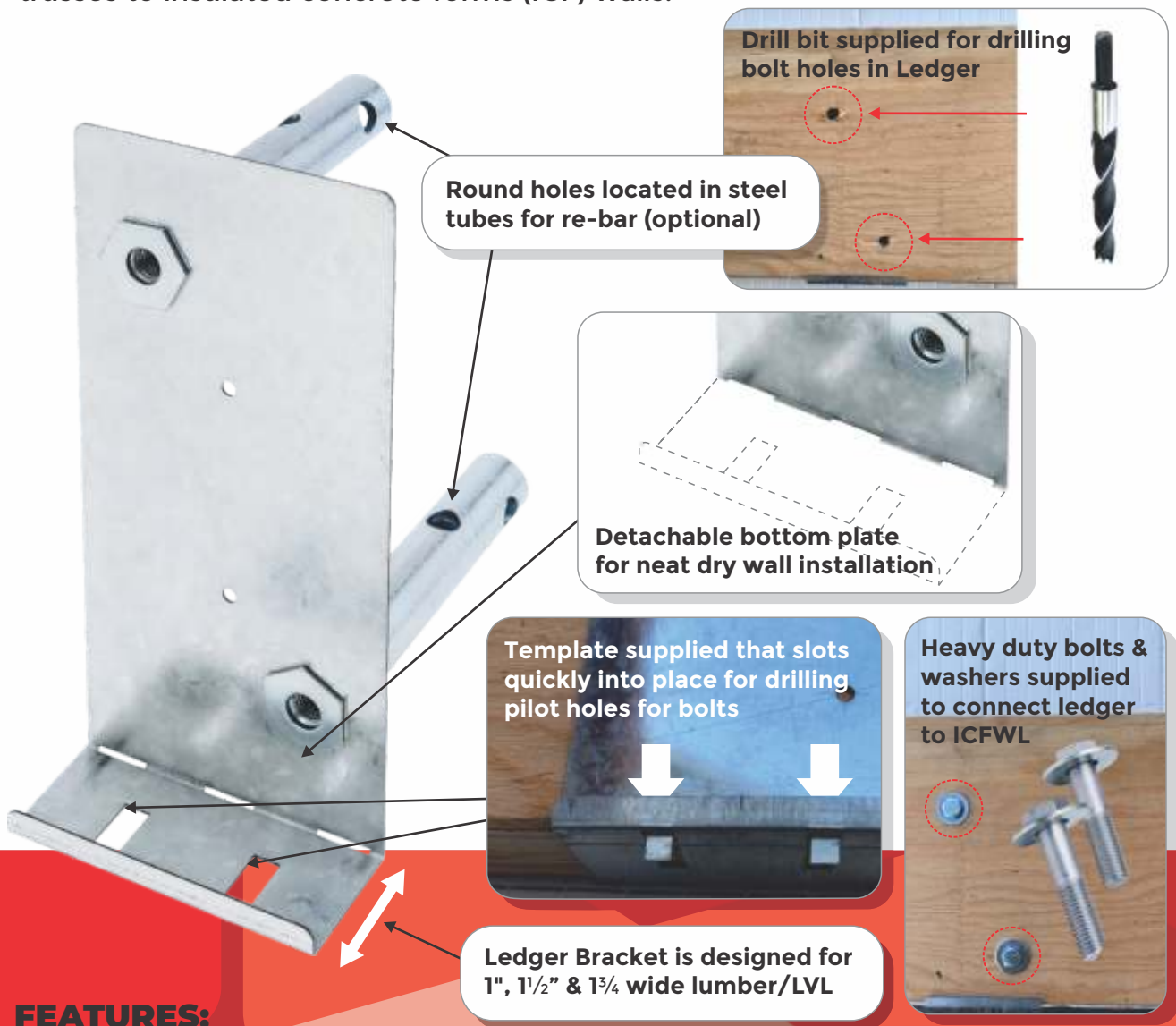


# ICF WOOD LEDGER CONNECTORS

Burmon's ICF Wood & Steel Ledgers utilize the Burmon ICF Connector System, a revolutionary double threaded cylinder bolt assembly that connects and anchors wood ledger brackets, wood and steel ledgers, joist hangers, I- joists, beams and trusses to insulated concrete forms (ICF) walls.



## FEATURES:

- ✓ Fast and easy to install
- ✓ Costs significantly less than ordinary Ledger Connectors
- ✓ Revolutionary Double Cylinder Bolt Technology
- ✓ Ledger bracket, bolts and washers supplied
- ✓ Template supplied for marking out bolts
- ✓ No drilling through steel plates
- ✓ ICFWL designed for 1", 1½" & 1¾ wide lumber/LVL
- ✓ 25% Higher Capacity than other brand Ledger Connectors

# ICF WOOD LEDGER CONNECTORS

## TECHNICAL INFORMATION

BURMON STOCK CODE **ICFWL**

### SPECIFICATION

ALLOWABLE LOADS (LB) - ASD				
Vertical	Lateral	Pullout*	Uplift	Corrosion Finish
2520	2490	2845	2330	Galvanizing G90

- Fasteners for wood ledgers provided with part
- Loads apply to ICF foam thickness of 3¼ or less.
- Concrete should have a minimum compressive rate of  $f_c = 2,500$  psi (17.25 MPa)
- The bolts of BURMON-ICFWL must be no closer than 4 inches to the top of wall.
- \*When attaching a deck to an ICF wall, place one ½ inch hex bolt 3½ inches long into each cylinder bolt hole as shown at right.



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REPORT**

**NOTE:** The Allowable Load Table is calculated in accordance with ASTM D7147-11 Section 13, the allowable downward load is calculated as the lesser of:

- The lowest ultimate load per hanger divided by 3.
- The average, over each hanger in each specimen, load that produces a vertical deflection of 0.125 inches at the bottom of the hanger with respect to the wall. Refer to Intertek Engineering report K9541.01-119-42 RO for Test results.

[https://burmon.com/file\\_download/183](https://burmon.com/file_download/183)

This table addresses vertical and pullout\* load applications for foam thickness up to 3¼ inches.  
For foam thickness greater than 3¼ inches, contact our office for specific details.

### Burmon ICFWL - Wood Ledger Spacing to Replace Anchor Bolts (inches)

Ledger Type	½ inch Diameter Anchors at				⅝ inch Diameter Anchors at				(2) ⅝ inch Diameter Anchors at				¾ inch Diameter Anchors at			
	12 in O.C.	24 in O.C.	36 in O.C.	48 in O.C.	12 in O.C.	24 in O.C.	36 in O.C.	48 in O.C.	12 in O.C.	24 in O.C.	36 in O.C.	48 in O.C.	12 in O.C.	24 in O.C.	36 in O.C.	48 in O.C.
2 x D.Fir-L/S-P-F	48in	48in	48in	48in	38in	48in	48in	48in	19in	38in	48in	48in	34in	48in	48in	48in
1¼ SCL	48in	48in	48in	48in	34in	48in	48in	48in	17in	34	48in	48in	28in	48in	48in	48in

- The Designer may specify different spacing based on load requirements. It is recommended to space the components at multiples of the joist spacing to help reduce the chance of interference with the joist hangers.
- Spacings are based upon the perpendicular to grain capacity of a bolt in a wood ledger compared to tested value of ICFWL.

### Spacing for Burmon ICFWL (in.)

UNIFORM LOADS		JOIST SPAN (ft.)									
DEAD LOAD (pfs)	LIVE LOAD (pfs)	10	12	14	16	18	20	22	24	26	28
10	40	48	48	48	48	48	47	42	39	36	33
15	40	48	48	48	48	47	42	38	35	33	30
20	40	48	48	48	48	43	39	35	32	30	28
10	60	48	48	48	42	37	33	30	28	26	24
20	60	48	48	42	36	32	29	26	24	22	21
30	60	48	43	37	32	29	26	24	22	20	18
40	60	47	39	33	29	26	23	21	19	18	17
10	100	42	35	30	26	24	21	19	18	16	15
20	100	39	32	28	24	22	19	18	16	15	14

- Values in the cells highlighted represent the maximum allowable spacing of 48".
- Spacing tables address vertical load applications only. If the connection is designed to resist simultaneous lateral loads, spacing may decrease. Contact Burmon Building Products for additional information.
- Values shown are maximum spacing distances (in.) based on simple span, uniformly loaded conditions and do not consider concentrated loads.
- Joist and ledger are to be designed by others.
- Allowable loads are based on testing, with no further increases allowed.