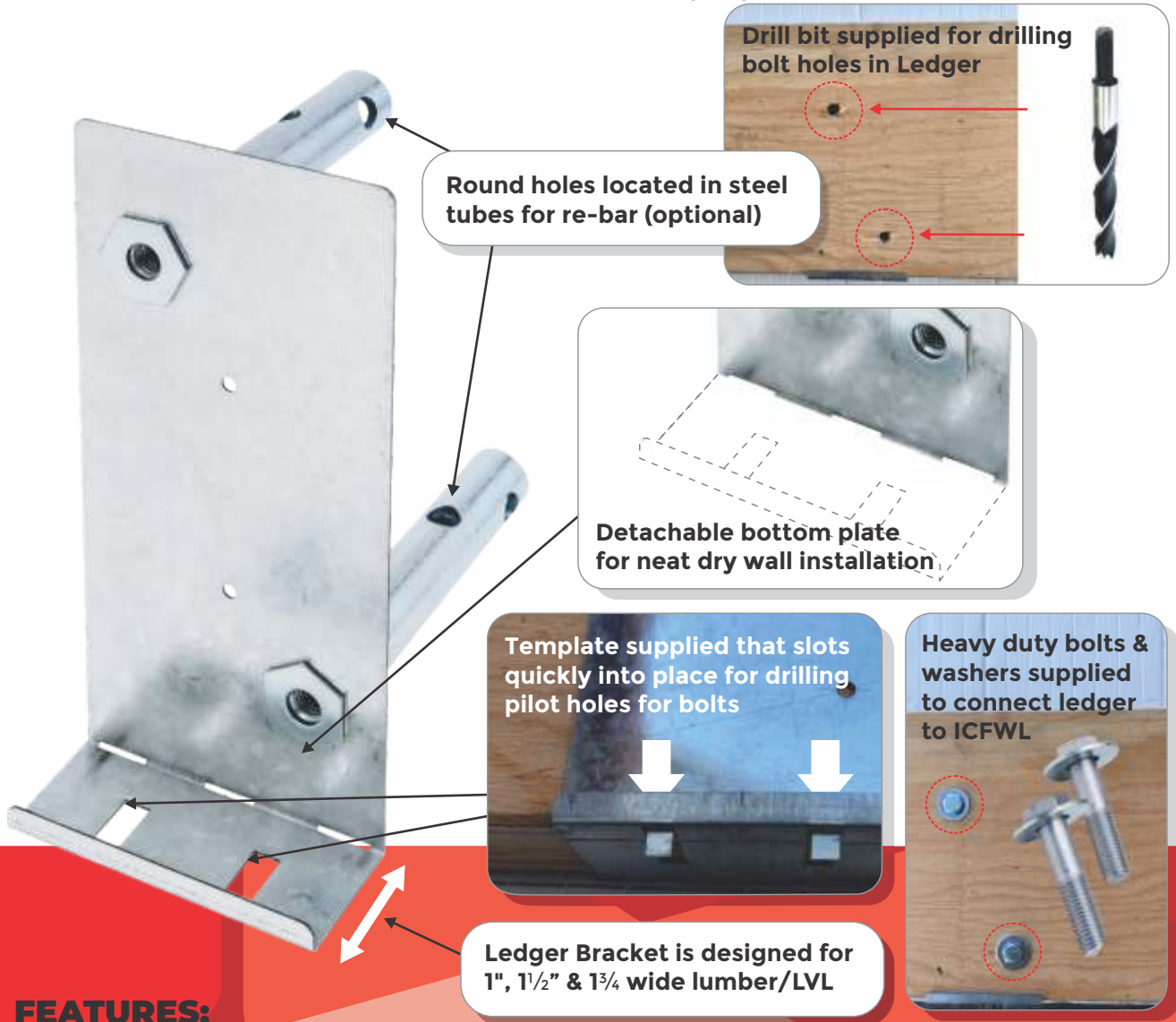


ICF WOOD LEDGER CONNECTORS

Burmon's ICF Wood and 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

LIMIT STATE DESIGN					
	Vertical	Lateral	Pullout*	Uplift	Corrosion Finish
lbs	3290	3320	3515	3690	Galvanizing G90
k/N	14.6	14.7	15.6	16.4	

- 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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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

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	48 in	19 in	38 in	48 in	48 in	34 in	48 in	48 in	48 in
1¼ SCL	48in	48in	48in	48in	34in	48in	48in	48 in	17 in	34	48 in	48 in	28 in	48 in	48 in	48 in

The following spacing tables are an alternative to the ICFWL spacing to replace the building code-prescribed anchor bolt spacing for vertical loads only. They provide the recommended spacing of the ICFWL Ledger Connectors based on the Factored Vertical Resistance of the connector, the load on the floor and the span of the joist. The Designer must determine the design load, the ledger design and the joist design. This table is useful if the Designer already has loads and spans, but not necessarily anchor bolt spacing.

Spacing for Burmon ICFWL (in.)

SPECIFIED LOADS (psf)		JOIST SPAN (ft.)											
Live	Dead	10	12	14	16	18	20	22	24	26	28	30	32
40	10	48	48	48	46	41	37	33	31	28	26	24	23
	15	48	48	48	42	38	34	31	28	26	24	22	21
	20	48	48	45	39	35	31	28	26	24	22	21	19
	25	48	48	42	37	32	29	26	24	22	21	19	18
	30	48	46	39	34	30	27	25	26	21	19	18	17
50	10	48	48	44	38	34	30	28	25	23	22	20	19
	20	48	45	38	33	30	27	24	22	20	19	18	16
	30	48	40	34	30	26	24	21	20	18	17	16	15
	40	43	36	30	27	24	21	19	18	16	15	14	13
100	10	33	27	23	20	18	16	15	13	12	-	-	-
	20	30	25	22	19	17	15	14	12	-	-	-	-
	30	28	24	20	18	16	14	13	12	-	-	-	-
	40	27	22	19	16	15	13	12	-	-	-	-	-

- Values in the cells highlighted represent the maximum allowable spacing of 48".
- Values shown are maximum spacing distances (inches) based on two-span ledger and simple supported joists. It does not consider concentrated loads. The Engineer of Record can modify the spacing accordingly for other conditions.
- Joist and ledger are to be designed by others.
- 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.
- The ICFWL must be installed no closer than 4" below the top of wall to achieve the connector spacing.
- The maximum distance between the end of the ledger and the first ICFWL is 12" as per the recommended splicing installation.