

Date Rec'd.:		Log No.:		Comment No.:	
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ICC STANDARDS - PUBLIC COMMENT FORM

PLEASE SEE INSTRUCTIONS (SUBMITTAL RULES OF PROCEDURES). ALL SUBMITTALS MUST BE IN COMPLIANCE WITH THESE PROCEDURES.

CLOSING DATE: All Comments Must Be Received by the Announced Closing Date

1) Indicate the format in which you would like to receive your Public Comments Report (PCR):

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2) **PLEASE TYPE OR PRINT CLEARLY: FORMS WILL BE RETURNED if they contain unreadable information.**

Name:	Rob Pickett			Date:	Feb. 2, 2021
Jurisdiction/Company:	RobPickett & Associates, LLC				
Submitted on Behalf of:	Log & Timber Homes Council, NAHB				
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Signature on File

3) ***Signature:** _____

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4) Indicate appropriate ICC Standard associated with this Public Proposal – **Please use Acronym:** IS-Log
(See bottom of this form or the instructions for list of Names and Acronyms for the ICC Standards)

5) Indicate the Standard Proposal Number that is being addressed by this Public Comment (if applicable): _____

6) Revision to: Section _____ Table 302.2.3.10.1 Figure _____

7) **COMMENT** Revise as follows (check BOX and state proposed change):

Revise as follows: Add new text as follows Delete and substitute as follows: Delete without Substitution:

Show the proposed NEW or REVISED or DELETED TEXT in legislative format: Line through text to be deleted. Underline text to be added.

The table graphic below is from the MS Excel Workbook "Support for LTHC Proposals", tab T302.2.3.10.1. The footnotes to the table are provided in text below the graphic.

TABLE 302.2.3.10.1 WEIGHT OF LOG WALLS

Specific Gravity	Density (lb/ft ³)	Weight per Square Foot Area of Wall Based on Specific Gravity (Gu) and Average Width (WL) at Design Moisture Content (MC _D = 21%)																			
		5 in.	5.5 in.	6 in.	6.5 in.	7 in.	7.5 in.	8 in.	8.5 in.	9 in.	9.5 in.	10 in.	10.5 in.	11 in.	11.5 in.	12 in.	13 in.	14 in.	15 in.	16 in.	18 in.
0.29	22.4	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26	28	30	34
0.30	23.2	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	27	29	31	35
0.31	24.0	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26	28	30	32	36
0.32	24.8	10	11	12	13	15	16	17	18	19	20	21	22	23	24	25	27	29	31	33	37
0.33	25.6	11	12	13	14	15	16	17	18	19	20	21	22	23	25	26	28	30	32	34	38
0.34	26.4	11	12	13	14	15	17	18	19	20	21	22	23	24	25	26	28	31	33	35	40
0.35	27.2	11	12	14	15	16	17	18	19	20	22	23	24	25	26	27	29	32	34	36	41
0.36	28.0	12	13	14	15	16	18	19	20	21	22	23	25	26	27	28	30	33	35	37	42
0.37	28.8	12	13	14	16	17	18	19	20	22	23	24	25	26	28	29	31	34	36	38	43
0.38	29.6	12	14	15	16	17	19	20	21	22	23	25	26	27	28	30	32	35	37	39	44
0.39	30.4	13	14	15	17	18	19	20	22	23	24	25	27	28	29	30	33	35	38	41	46
0.40	31.2	13	14	16	17	18	20	21	22	23	25	26	27	29	30	31	34	36	38	42	47
0.41	32.0	13	15	16	17	19	20	21	23	24	25	27	28	29	31	32	35	37	40	43	48
0.42	32.8	14	15	16	18	19	21	22	23	25	26	27	29	30	31	33	36	38	41	44	49
0.43	33.6	14	15	17	18	20	21	22	24	25	27	28	29	31	32	34	36	39	42	45	50
0.45	35.2	15	16	18	19	21	22	24	25	26	28	29	31	32	34	35	38	41	44	47	51
0.46	36.0	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	39	42	45	48	54
0.47	36.8	15	17	18	20	22	23	25	26	28	29	31	32	34	35	37	40	43	46	49	55
0.48	37.6	16	17	19	20	22	24	25	27	28	30	31	33	35	36	38	41	44	47	50	57
0.49	38.5	16	18	19	21	22	24	26	27	29	30	32	34	35	37	39	42	45	48	51	58
0.51	40.1	17	18	20	22	23	25	27	28	30	32	33	35	37	38	40	43	47	50	54	60
0.53	41.7	17	19	21	23	24	26	28	30	31	33	35	37	38	40	42	45	49	52	56	61
0.54	42.6	18	20	21	23	25	27	28	30	32	34	36	37	39	41	43	46	50	53	57	64
0.55	43.4	18	20	22	24	25	27	29	31	33	34	36	38	40	42	43	47	51	54	58	65
0.56	44.2	18	20	22	24	26	28	30	31	33	35	37	39	41	42	44	48	52	55	59	66
0.57	45.0	19	21	23	24	26	28	30	32	34	36	38	39	41	43	45	49	53	56	60	68
0.62	49.2	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	53	57	62	66	74
0.70	55.9	23	26	28	30	33	35	37	40	42	44	47	49	51	54	56	61	65	70	75	84

For SI: 1 inch = 25.4 mm.

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Notes to Table:

- The tabulated values assume MCs to = 21 percent.
- Conversion of nominal size to average width can be approximated using the following factors:
 - Flat inside and outside 97.50%
 - Flat inside, profiled outside 88.00%
 - Diameter, notched/coped 83.60%
 - Full round or round inside and outside 78.50%
- To adjust from 21% MC_D to specific climate zone, multiply the U-factor by the respective factor.
 Example: 7" WL @ Gu-0.35, 15.8 psf becomes

Climate Zone	MCs	Adjustment factor	Resulting Weight, psf
Dry	10%	0.9426	14.9
ASHRAE	12%	0.9539	15.1
Moist	13%	0.9577	15.2
Warm-Humid	14%	0.9646	15.3
Marine	15%	0.9684	15.3

COMMENT Continued (Attach additional sheets as necessary)

The development of values for log properties such as density and weight are presented in section 302.2.3.10. This table is presented as a time-saving tool for designers for structural purposes. For this reason, the Design Moisture Content is used to approximate the assembled weight of the wall for at least the first year of the structure.

Uses equation from 302.2.3.10: Average Width WL/12 * Density (lbs./cu ft). Density is calculated per 302.2.3.9 with Design Moisture Content, MC_D at 21%.

8) **SUPPORTING INFORMATION** (State purpose and reason, and provide substantiation to support proposed change):

SUPPORTING INFORMATION Continued (Attach additional sheets as necessary)

PLEASE USE SEPARATE FORM FOR EACH COMMENT

SUBMITTAL AS A DOCUMENT ATTACHMENT TO AN E-MAIL IS PREFERRED

e-mail: kaittaniemi@iccsafe.org Phone: (888) 422-7233 x4205 Fax: (708) 799-0320

If E-MAIL is not available, mail form and disk to: International Code Council, 4051 W. Flossmoor Rd. Country Club Hills, IL 60478

Name of ICC Standard: The following acronyms should be used when designating the name of a Standard.

<u>Acronym</u>	<u>ICC Standard Name</u>
IS-BLE	Standard on Bleachers, Folding and Telescopic Seating, and Grandstands
IS-RHW	Standard for Residential Construction in High Wind Regions
IS-IEDC	Landscape Irrigation Sprinkler and Emitter Standard
IS-LOG	Standard on Design, Construction and Performance of Log Structures
IS-STM	Standard on Design, Construction and Performance of Storm Shelters
A117.1	Standard on Accessible and Usable Buildings and Facilities
IS-STSC	Solar Thermal Collector Standard
IS-STSC	Solar Thermal Systems Standard
IS-PHSC	Pool Solar Heating and Cooling Standard
IS-RCSPI	Rainwater Harvesting Systems
IS-FPI	Standard for Spray-Applied Polyurethane Foam Plastic Insulation
IS-OSMC	Standard for Off-Site Construction: Planning, Design, Fabrication and Assembly
IS-OSMC	Standard for Off-Site Construction: Inspection and Regulatory Compliance