ICC EVALUATION SERVICE

ICC-ES Evaluation Report

ESR-3072

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DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23.13—Nails

REPORT HOLDER:

PASLODE, AN ITW COMPANY

EVALUATION SUBJECT:

PASLODE NAILS

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2015 and 2012 *International Building Code®* (IBC)
- 2015 and 2012 *International Residential Code®* (IRC)

For evaluation for compliance with codes adopted by the Los Angeles Department of Building and Safety (LADBS), see ESR-3072 LABC and LARC Supplement.

Properties evaluated:

- Bending yield strength
- Lateral connection strength
- Withdrawal strength
- Use in diaphragms and shear walls
- Use in fastening schedules which are alternatives to those prescribed in the codes

2.0 USES

The Paslode Nails are used in engineered wood framing connections, engineered connections of wood structural panels to wood framing, and prescriptive framing connections. The nails are also used in engineered diaphragms and shear walls and for prescriptive attachment of sheathing to framing.

3.0 DESCRIPTION

3.1 Nails:

The Paslode Nails have a proprietary form with nine longitudinal grooves along the shank. Select products have annular ring shank deformations. The nails have a RounDrive® head as illustrated in Figure 1. They have an uncoated (bright) finish or a hot-dipped galvanized (HDG) finish with a thermoplastic coating along a portion of the shank, and are collated for loading into a power driving tool. The nail material and dimensional tolerances conform to ASTM F1667. The HDG finish is 1 oz/ft^2 and complies with the coating weight required by ASTM A153 Class D. See Table 1 for designations, dimensions and additional descriptions of the nails, including minimum specified bending yield strength. See Figure 2 for an image of the typical framing nails. See Figure 3 for an image of the ring shank framing nail.

3.2 Connected Materials:

Wood framing members must be sawn lumber with a minimum assigned specific gravity of 0.42, in accordance with Table 12.3.3A of the 2015 ANSI/AWC National Design Specification for Wood Construction (NDS) (Table 11.3.3A of NDS-12); or engineered wood with a minimum equivalent specific gravity of 0.42, in accordance with Table 12.3.3B of NDS-15 (Table 11.3.3B of the NDS-12) or as recognized in an ICC-ES evaluation report.

Wood structural panel sheathing must be rated sheathing or Structural I sheathing complying with DOC PS-2.

4.0 DESIGN AND INSTALLATION

4.1 Design:

4.1.1 Engineered Framing Connections: The Paslode Nails comply with the strength requirements of IBC Section 2303.6. Lateral and withdrawal design values for connections using the Paslode Framing Nails are equivalent to those for connections using smooth round shank nails of the same nominal diameter, and must be determined in accordance with the NDS.

4.1.2 Prescribed Framing Connections: The Paslode Nails may be used in connections prescribed in the fastening schedule given in Table 2. The nails may be used in other framing connections where the same nominal nail diameter and length is prescribed in the IBC or IRC, as applicable.

4.1.3 Engineered Diaphragms and Shear Walls: The Paslode Nails may be used in engineered diaphragms and shear walls, as substitutes for the code-prescribed nails of the same nominal diameter addressed in the AWC Special Design Provisions for Wind and Seismic (SDPWS). Allowable diaphragm unit shear capacities are given in Table 3, and allowable shear wall unit shear capacities are given in Tables 4A and 4B. The nails may be used in diaphragms and shear walls in all Seismic Design Categories. Diaphragm and shear wall deflections must be determined in accordance with Section 4 of the SDPWS. For the 0.131-inch nail, the G_a values for an 8d common nail are applicable. For the 0.120-inch nail, the G_a values for a 6d common nail are applicable.

4.1.4 Prescriptive Sheathing Attachment: The 0.131-inch Paslode Framing Nails may be directly substituted for the 8d common nails prescribed in Items 32, 36, and 37 of 2015 IBC Table 2304.10.1 (Item 31 of 2012 IBC Table 2304.9.1) and Items 30, 31, 37 and 38 of 2015 IRC Table 602.3(1) [Items 32, 33, 39 and 40 of 2012 IRC Table R602.3(1)] for attaching wood structural panel sheathing to sawn lumber framing.

4.2 Installation:

The nails must be installed in accordance with this report, and the report holder's published installation instructions. The nails described in this report are packaged for use in power tools. The nails must be installed using a tool recommended by the nail manufacturer. Individual nails may be manually driven.

Edge distances, end distances, and spacing must be sufficient to prevent splitting of the wood. When the nails are used in engineered wood products, the end and edge distances and spacing must be in accordance with the applicable ICC-ES evaluation report. For nails used in structural connections, installation must be in accordance with the applicable requirements of Section 12.1.6 of NDS-15 (Section 11.1.6 of NDS-12). When used in prescriptive applications for conventional wood frame construction, the Paslode framing nails must be installed in accordance with Table 2.

4.3 Special Inspection:

Special inspection of high-load diaphragms is required in accordance with IBC Section 1705.5.1. Periodic inspection of shear walls and diaphragms for wind resistance may be required, as prescribed in accordance with 2015 IBC Section 1705.11.1 (2012 IBC Section 1705.10.1). Periodic inspection of shear walls and diaphragms for seismic resistance may be required in accordance with 2015 IBC Section 1705.12.2 (2012 IBC Section 1705.11.2).

5.0 CONDITIONS OF USE

The Paslode Nails described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. If there is a conflict between the installation instructions and this report, this report governs.

5.2 Applied loads must not exceed the allowable loads addressed in Sections 4.1.1 and 4.1.3. Construction documents and calculations demonstrating that the design loads do not exceed the nail capacities must be submitted to the code official. The calculations must be prepared by a registered design professional when required by statutes of the jurisdiction in which the project is to be constructed.

5.3 The HDG nails may be used in treated lumber in accordance with 2015 IBC Section 2304.10.5.1 (2012 IBC Section 2304.9.5.1) and IRC Section R317.3. The bright nails must not be used in preservative-treated or fire-retardant treated wood.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Nails (AC116), dated October 2017.

6.2 Results of lateral and withdrawal load tests performed in accordance with Section 4.0 of AC116 on the grooved shank Paslode nails and code-complying smooth shank nails of the same size.

7.0 IDENTIFICATION

7.1 The Paslode Nails described in this report are identified by labels on the cartons bearing the report holder's name (Paslode), an image of the nail, the nail length and diameter, and the evaluation report number (ESR-3072).

7.2 The report holder's contact information is the following:

PASLODE, AN ITW COMPANY
155 HARLEM AVENUE
GLENVIEW, ILLINOIS 60025
(800) 222-6990
www.paslode.com

TABLE 1—PASLODE NAILS

NOMINAL DIAMETER (inch)	LENGTH (inches)	HEAD STYLE	NOMINAL HEAD DIAMETER (inch)	SHANK STYLE	POINT STYLE	MATERIAL	COATING/ FINISH	SPECIFIED F_{yb} (psi)	PACKAGING
0.120	3, $3^1/_4$	Offset round	0.250	Fluted	Diamond	Carbon Steel	Bright	100,000	30° Paper tape strips
0.120			0.252	Fluted / Ring			HDG		
0.131	3, $3^1/_4$, $3^1/_2$		0.256	Fluted			Bright		
0.131							HDG		

For **SI:** 1 inch = 25.4 mm, 1 psi = 6.89 kPa,

TABLE 2—FASTENING SCHEDULE FOR PRESCRIPTIVE APPLICATIONS IN CONVENTIONAL WOOD-FRAME CONSTRUCTION USING PASLODE FRAMING NAILS [1,2,3]

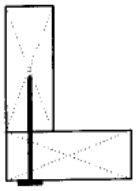
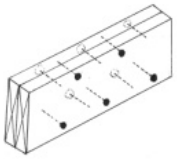
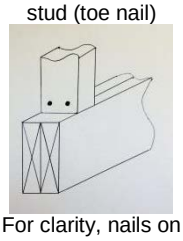
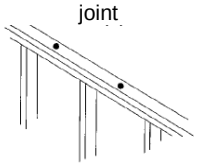
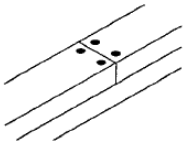
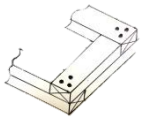
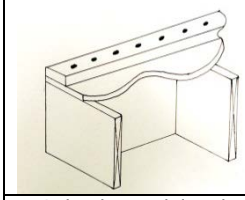
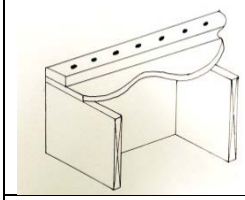
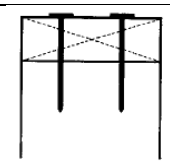
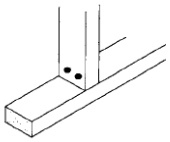
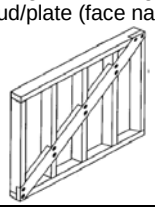
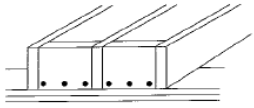
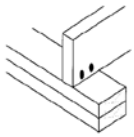
CONNECTION DESCRIPTION	PASLODE NAIL LENGTH / DIAMETER	APPLICABLE CODE AND CONNECTION NUMBER			
		2012 IBC	2012 IRC	2015 IBC	2015 IRC
WALL FRAMING					
Double Studs (Face Nail) 		Connection 9	Connection 12	Connection 8	Connection 8
	3 x 0.131	16" o.c.			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	16" o.c.		14" o.c.	
	$3^1/_4$ x 0.120				
				At Braced Walls	
				Connection 9	Connection 9
	3 x 0.131			12" o.c.	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120			10" o.c.	
	$3^1/_4$ x 0.120				
Abutting studs at corners and intersections (face nail) 		Connection 23	Connection 8	Connection 8	Connection 8
	3 x 0.131	16" o.c.	8" o.c.	16" o.c.	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	12" o.c.	8" o.c.	12" o.c.	
	$3^1/_4$ x 0.120				
				At Braced Walls	
				Connection 9	Connection 9
	3 x 0.131			12" o.c.	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120			10" o.c.	
	$3^1/_4$ x 0.120				
Built-up header 2" to 2" with 1/2" spacer (face nail) 		Connection 14	Connection 9	Connection 10	Connection 10
	3 x 0.131	8" o.c. each edge	12" o.c. each edge	8" o.c. each edge	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	8" o.c. each edge			
	$3^1/_4$ x 0.120				
Continuous header to stud (toe nail)  For clarity, nails on opposite side of stud not shown.		Connection 16	Connection 9	Connection 11	Connection 11
	3 x 0.131	4 nails			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	5 nails			
	$3^1/_4$ x 0.120				

TABLE 2—FASTENING SCHEDULE FOR PRESCRIPTIVE APPLICATIONS IN CONVENTIONAL WOOD-FRAME CONSTRUCTION USING PASLODE FRAMING NAILS [1,2,3] (continued)

CONNECTION DESCRIPTION	PASLODE NAIL LENGTH / DIAMETER	APPLICABLE CODE AND CONNECTION NUMBER			
		2012 IBC	2012 IRC	2015 IBC	2015 IRC
WALL FRAMING (continued)					
Double top plates to each side of joint - each side of joint 		Connection 10a	Connection 13	Connection 12	Connection 12
	3 x 0.131	12" o.c.	24" o.c.	12" o.c.	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	12" o.c.	20" o.c.	8" o.c.	
	$3^1/_4$ x 0.120				
Top plate to top plate at end joint (lap splice) each side of joint 		Connection 10b	Connection 14	Connection 13	Connection 13a
	3 x 0.131	12 nails each side of joint			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	14 nails each side of joint			
	$3^1/_4$ x 0.120				
					Connection 13b
	3 x 0.131				13 nails each side of joint
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120				16 nails each side of joint
	$3^1/_4$ x 0.120				
Top plate overlap at corners and intersections (face nail) 		Connection 13	Connection 19	Connection 18	Connection 17
	3 x 0.131	3 nails			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	4 nails			
	$3^1/_4$ x 0.120				
Sole plate to joist, rim joist, band joist or blocking, **not** at braced wall panel (assumes $^3/_4$" thick floor sheathing) 		Connection 6a	Connection 15	Connection 14	Connection 14
	3 x 0.131	12" o.c.			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	8" o.c.			
	$3^1/_4$ x 0.120				
Sole plate to joist, rim joist, band joist or blocking **at braced wall panel** (assumes $^3/_4$" thick floor sheathing) 		Connection 6b	Connection 16	Connection 15	Connection 15
	3 x 0.131	4 @ 16" o.c.			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	5 @ 16" o.c.			
	$3^1/_4$ x 0.120	4 @ 16" o.c.			
Top or sole plate to stud (end nail)		Connections 7 and 8b	Connection 18	Connections 17 and 16b	Connection 16b
	3 x 0.131	3 nails	2 nails	3 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	4 nails	3 nails	4 nails	

(Continued)

CONNECTION DESCRIPTION	PASLODE NAIL LENGTH / DIAMETER	APPLICABLE CODE AND CONNECTION NUMBER			
		2012 IBC	2012 IRC	2015 IBC	2015 IRC
WALL FRAMING (continued)					
					
	$3^1/_4$ x 0.120				
CONNECTION DESCRIPTION	**PASLODE NAIL LENGTH / DIAMETER**	**APPLICABLE CODE AND CONNECTION NUMBER**			
		2012 IBC	**2012 IRC**	**2015 IBC**	**2015 IRC**
WALL FRAMING (continuous)					
Stud to top or sole plate (toe nail) 		Connection 8	Connection 17	Connection 16a	Connection 16a
	3 x 0.131	4 nails	3 nails	4 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	5 nails	3 nails	5 nails	
	$3^1/_4$ x 0.120				
1" diagonal bracing to stud/plate (face nail) 		Connection 20	Connection 20	Connection 19	Connection 18
	3 x 0.131	2 nails at each framing member			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	3 nails at each framing member	2 nails at each framing member	3 nails at each framing member	
	$3^1/_4$ x 0.120				
CEILING AND ROOF FRAMING					
Blocking between Joists or rafters to top plate (toe-nail) 		Connection 11	Connection 1	Connection 1	Connection 1
	3 x 0.131	3 nails each end			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	4 nails each end	3 nails each end	4 nails each end	
	$3^1/_4$ x 0.120				
Ceiling joist to plate (toe-nail) 		Connection 15	Connection 2	Connection 2	Connection 2
	3 x 0.131	3 nails			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	4 nails	3 nails	4 nails	
	$3^1/_4$ x 0.120				
Ceiling joist (not connected to rafter - no thrust) lap over partition (face nail) 		Connection 17	Connection 3	Connection 3	Connection 3
	3 x 0.131	4 nails	3 nails	4 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	5 nails	4 nails	5 nails	
	$3^1/_4$ x 0.120				
Collar tie to rafter (face nail) 		Connection 26	Connection 4	Connection 5	Connection 5
	3 x 0.131	4 nails	3 nails	4 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	5 nails	4 nails	5 nails	
	$3^1/_4$ x 0.120				
Roof rafter to plate (toe-nail)		Connection 19	Connection 5	Connection 6	Connection 6
	3 x 0.131	3 plus connectors per IBC Section	4 (2 each side of rafter)	4 plus connectors per IBC Section	4 (2 each side of rafter)
	$3^1/_4$ x 0.131				

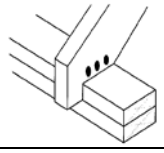
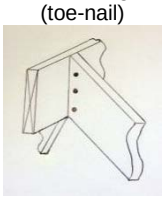
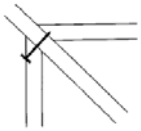
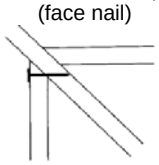
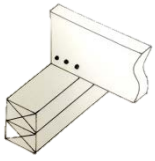
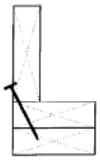
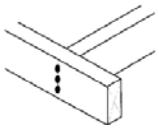
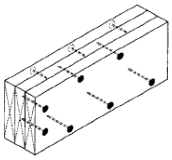
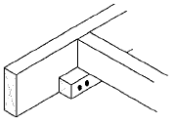
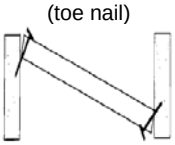
CONNECTION DESCRIPTION	PASLODE NAIL LENGTH / DIAMETER	APPLICABLE CODE AND CONNECTION NUMBER			
		2012 IBC	2012 IRC	2015 IBC	2015 IRC
WALL FRAMING (continued)					
	$3^1/_2$ x 0.131	2308.10.1		2308.7.5	
	3 x 0.120				
	$3^1/_4$ x 0.120				
CEILING AND ROOF FRAMING (continued)					
Ridge beam (end nail) 		Connection 28b	Connection 6	Connection 7b	Connection 7a
	3 x 0.131	3 nails	5 nails	3 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	4 nails	6 nails	4 nails	
	$3^1/_4$ x 0.120				
Roof rafter to ridge beam (toe-nail) 		Connection 28a	Connection 6	Connection 7b	Connection 7a
	3 x 0.131	3 nails	5 nails	4 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	4 nails	6 nails	5 nails	
	$3^1/_4$ x 0.120				
Jack raft to hip (toe-nail) 		Connection 27a	Connection 6	Connection 7b	Connection 7a
	3 x 0.131	4 nails	5 nails	4 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	5 nails	6 nails	5 nails	
	$3^1/_4$ x 0.120				
Jack rafter to hip (face nail) 		Connection 27b	Connection 6	Connection 7a	Connection 7b
	3 x 0.131	3 nails		3 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	4 nails		4 nails	
	$3^1/_4$ x 0.120				
FLOOR FRAMING					
Joist to Sill or Girder (toe nail) 		Connection 1	Connection 24	Connection 22	Connection 21
	3 x 0.131	3 nails			
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	4 nails	3 nails	4 nails	
	$3^1/_4$ x 0.120				
Rim joist to top plate (toe nail) 		Connection 12	Connection 25	Connection 23	Connection 22
	3 x 0.131	6" o.c.	8" o.c.	6" o.c.	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	4" o.c.	6" o.c.	4" o.c.	
	$3^1/_4$ x 0.120				
Joist to band joist (face nail) 		Connection 29		Connection 29	Connection 26
	3 x 0.131	4 nails		4 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	6 nails		6 nails	
	$3^1/_4$ x 0.120				

TABLE 2—FASTENING SCHEDULE FOR PRESCRIPTIVE APPLICATIONS IN CONVENTIONAL WOOD-FRAME CONSTRUCTION USING PASLODE FRAMING NAILS [1,2,3] (continued)

CONNECTION DESCRIPTION	PASLODE NAIL LENGTH / DIAMETER	APPLICABLE CODE AND CONNECTION NUMBER			
		2012 IBC	2012 IRC	2015 IBC	2015 IRC
FLOOR FRAMING (continued)					
Built up girder or beam (face nail) 		Connection 24	Connection 30	Connection 27	Connection 27
		Face nail at top and bottom staggered on opposite side AND at each end or splice			
	3 x 0.131	24" o.c. / 3 nails	32" o.c. / 3 nails	24" o.c. / 3 nails	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	16" o.c. / 4 nails	24" o.c. / 4 nails	16" o.c. / 4 nails	
	$3^1/_4$ x 0.120				
Ledger Strip (face nail) 		Connection 30	Connection 31	Connection 28	Connection 28
	3 x 0.131	5	4	5	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	6	4	6	
	$3^1/_4$ x 0.120				
Bridging to Joist (toe nail) 		Connection 2		Connection 30	Connection 29
	3 x 0.131	2 each end		2 each end	
	$3^1/_4$ x 0.131				
	$3^1/_2$ x 0.131				
	3 x 0.120	3 each end		3 each end	
	$3^1/_4$ x 0.120				

For **SI**: 1 inch = 25.4 mm.

[1]This fastening schedule applies to framing members having an actual thickness of $1^1/_2$ inches (nominal "2-by" lumber).
[2]Fastening schedule only applies to buildings of conventional wood frame construction where wind or seismic analysis is not required by the applicable code. In cases where the limitations of IBC Section 2308.2 or IRC Section R301.2 are exceeded, required fastening must be determined by structural analysis.
[3]Connection numbers correspond to numbers in 2015 IBC Table 2304.10.1, 2012 IBC Table 2304.9.1 and 2015 and 2012 IRC Table R602.3(1), as applicable.

TABLE 3—ALLOWABLE SHEAR FOR WIND OR SEISMIC LOADING (POUNDS PER FOOT) FOR WOOD STRUCTURAL PANEL HORIZONTAL DIAPHRAGMS WITH FRAMING OF DOUGLAS FIR-LARCH OR SOUTHERN PINE USING PASLODE FRAMING NAILS [1,2,3]

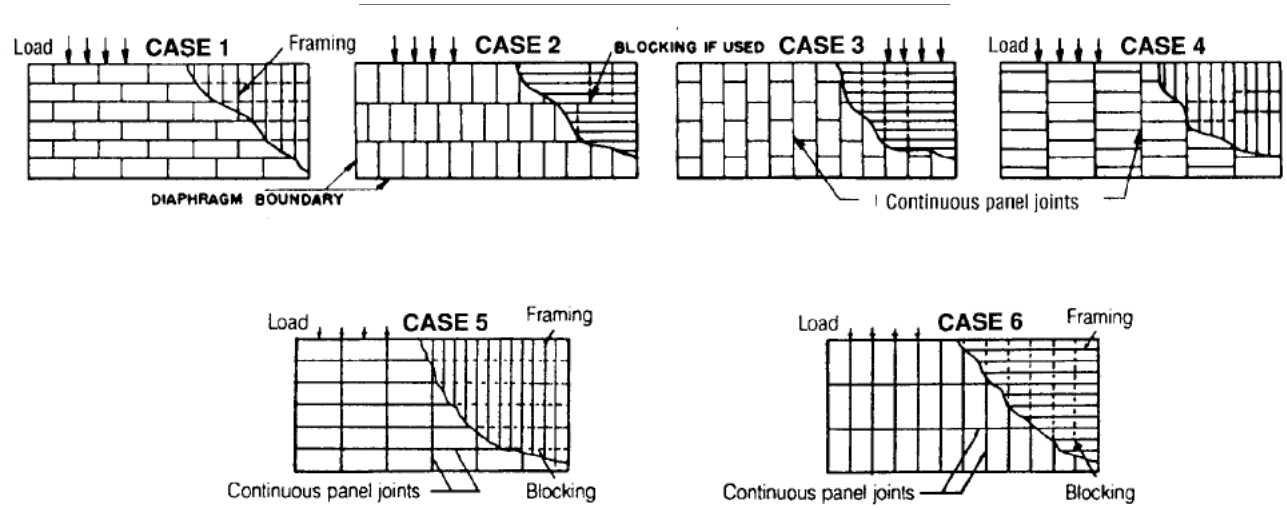
SHEATHING TYPE AND THICKNESS (in inches)	NOMINAL PASLODE NAIL DIAMETER (in inches)	MINIMUM NOMINAL NAIL LENGTH (in inches)	MINIMUM WIDTH OF FRAMING MEMBERS (in inches)	BLOCKED DIAPHRAGMS				UNBLOCKED DIAPHRAGMS	
				Nail spacing (inch) at diaphragm boundaries (all cases),at continuous panel edges parallel to load (Cases 3 & 4), and at all panel edges (Cases 5 & 6)				Fasteners spaced 6 inches maximum at supported edges	
				6	4	2 1/2	2	Case 1 (No unblocked edges or continuous joints parallel to load)	All other configurations (Cases 2, 3, 4, 5 and 6)
				Nail spacing at other panel edges (Cases 1, 2, 3 and 4)					
				6	6	4	3		
3/8" Structural I	0.120 smooth or ring shank	3	2	230	305	450	510	205	150
			3	255	340	510	575	225	170
	0.131 smooth	2 1/2	2	270	360	530	600	240	180
			3	300	400	600	675	265	200
3/8" Rated	0.120 smooth or ring shank	3	2	205	270	405	460	180	135
			3	230	305	455	515	205	150
	0.131 smooth	2 1/2	2	240	320	480	545	215	160
			3	270	360	540	610	240	180
7/16" Rated	0.120 smooth or ring shank	3	2	215	290	430	490	195	145
			3	240	325	485	550	215	160
	0.131 smooth	2 1/2	2	255	340	505	575	230	170
			3	285	380	570	645	255	190
15/32" Rated	0.120 smooth or ring shank	3	2	230	305	450	510	205	155
			3	255	340	510	575	225	170
	0.131 smooth	2 1/2	2	270	360	530	600	240	180
			3	300	400	600	675	265	200

For **SI**: 1 inch = 25.4 mm, 1 pound per foot = 14.6 N/m.

[1]Diaphragms must be constructed in general accordance with the requirements of Section 4.2 of AWC SDPWS.

[2]Tabulated values are for short-time loading due to seismic loading, and may be increased by 40 percent for wind design.

[3]The tabulated values are for fasteners installed in Douglas Fir-larch or Southern Pine lumber. For other species, the tabulated allowable unit shear values must be reduced by multiplying the applicable value by the Specific Gravity Adjustment Factor = [1- (0.5 – G)], where *G* = Specific Gravity of the framing lumber from Table 12.3.3A of NDS-15 (Table 11.3.3A of NDS-12) This adjustment factor must not be greater than 1.



NOTE: Framing orientation in either direction for diaphragms is permitted provided sheathing is properly designed for vertical loading.

TABLE 4A—ALLOWABLE SHEAR FOR WIND OR SEISMIC LOADING (POUNDS PER FOOT) FOR WOOD STRUCTURAL PANEL SHEAR WALLS WITH FRAMING OF DOUGLAS FIR-LARCH OR SOUTHERN PINE USING PASLODE 0.120 INCH NAILS[1,2,3]

SHEATHING TYPE AND THICKNESS (in inches)	MINIMUM NOMINAL FASTENER LENGTH (in inches)	ALLOWABLE WALL SHEAR VALUES			
		Fastener Spacing at Panel Edges (in inches)			
		6	4	3	2
3/8" Structural I	3	195	305	390	520
7/16" Structural I		215	335	430	570
15/32" Structural I		245	370	475	630
3/8" Rated		185	270	345	450
7/16" Rated		205	295	380	495
15/32" Rated		220	325	420	550

TABLE 4B—ALLOWABLE SHEAR FOR WIND OR SEISMIC LOADING (POUNDS PER FOOT) FOR WOOD STRUCTURAL PANEL SHEAR WALLS WITH FRAMING OF DOUGLAS FIR-LARCH OR SOUTHERN PINE USING PASLODE 0.131 INCH NAILS

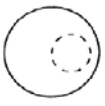
SHEATHING TYPE AND THICKNESS (in inches)	MINIMUM NOMINAL FASTENER LENGTH (in inches)	ALLOWABLE WALL SHEAR VALUES			
		Fastener Spacing at Panel Edges (in inches)			
		6	4	3	2
3/8" Structural I	2 1/2	230	360	460	610
7/16" Structural I		255	395	505	670
15/32" Structural I		285	430	550	730
3/8" Rated		220	320	410	530
7/16" Rated		240	350	450	585
15/32" Rated		260	380	490	640

For **SI**: 1 inch = 25.4 mm, 1 pound per foot = 14.6 N/m.

[1]Shear walls must be constructed in general accordance with the requirements of Section 4.3 of AWC SDPWS.

[2]Tabulated values are for short-time loading due to seismic loading, and may be increased by 40 percent for wind design.

[3]The tabulated values are for fasteners installed in Douglas Fir-larch or Southern Pine lumber. For other species, the tabulated allowable unit shear values must be reduced by multiplying the applicable value by the Specific Gravity Adjustment Factor = [1- (0.5 – G)], where *G* = Specific Gravity of the framing lumber from Table 12.3.3A of NDS-15 (Table 11.3.3A of NDS-12). This adjustment factor must not be greater than 1.



RounDrive®

FIGURE 1—NAIL HEAD STYLE

FIGURE 2—PASLODE FRAMING NAIL WITH ROUNDRIVE HEAD AND DEFORMED SHANK

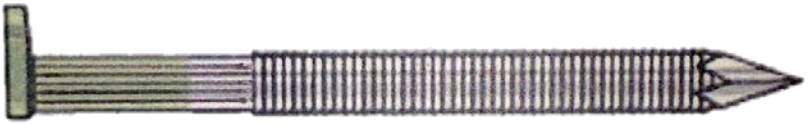


FIGURE 3—PASLODE RING SHANK FRAMING NAIL WITH ROUNDRIVE HEAD AND DEFORMED SHANK

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23.13—Nails

REPORT HOLDER:

PASLODE, AN ITW COMPANY

EVALUATION SUBJECT:

PASLODE NAILS

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Paslode Nails, described in ICC-ES evaluation report ESR-3072, have also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

Applicable code editions:

- 2017 *City of Los Angeles Building Code* (LABC)
- 2017 *City of Los Angeles Residential Code* (LARC)

2.0 CONCLUSIONS

The Paslode Nails, described in Sections 2.0 through 7.0 of the evaluation report ESR-3072, comply with the LABC Chapter 23, and the LARC, and are subjected to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Paslode Nails described in this evaluation report must comply with all of the following conditions:

- All applicable sections in the evaluation report ESR-3072.
- The design, installation, conditions of use and identification of the nails are in accordance with the 2015 *International Building Code®* (2015 IBC) provisions noted in the evaluation report ESR-3072.
- The design, installation and inspection are in accordance with additional requirements of the LABC Chapters 16 and 17, Sections 2305, 2306 and 2308, as applicable.
- The nails must not be used in exterior or exposed conditions.
- The hillside building provisions in LABC Section 2301.1 are excluded from this supplement report.

This supplement expires concurrently with the evaluation report, reissued September 2020.