

ICC-ES Evaluation Report

ESR-5684

Issued June 2026


Subject to renewal June 2027

This report also contains:

- [City of Chicago Supplement](#)
- [City of LA Supplement](#)
- [CA Supplement](#)
- [FL Supplement w/ HVHZ](#)
- [State of OR Supplement](#)

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<p>DIVISION: 06 00 00— WOOD, PLASTICS AND COMPOSITES</p> <p>Section: 06 05 23— Wood, Plastic, and Composite Fastenings</p> <p>Section: 06 05 23.20— Screws</p>	<p>REPORT HOLDER:</p> <p>US NITTO dba INTERCORP</p>	<p>EVALUATION SUBJECT:</p> <p>STRONG TIMBER SCREWS</p>	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2024, 2021 and 2018 [International Building Code® \(IBC\)](#)
- 2024, 2021 and 2018 [International Residential Code® \(IRC\)](#)

Property evaluated:

Structural

2.0 USES

Strong Timber screws are used for wood-to-wood connections that are designed in accordance with the IBC. For structures regulated under the IRC, the screws may be used where an engineered design is submitted in accordance with IRC Section R301.1.3.

3.0 DESCRIPTION

3.1 Notation and Symbols:

- a = Connection geometry parameter (See [Table 6](#) and [Figures 2](#) and [3](#).)
- D = Outside thread diameter
- D_H = Diameter of fastener head or integral washer
- D_{nom} = Fastener size designation
- D_r = Minor thread (root) diameter
- D_s = Unthreaded shank diameter
- $F_{yb,spec}$ = Minimum specified bending yield strength, determined in accordance with ASTM F1575 using D_r .
- L = Fastener length measured as shown in [Figure 1](#)
- $L_{emb,l}$ = Minimum required embedded fastener length in holding member, including tip, applicable to tabulated lateral design values

$L_{emb,w}$	=	Minimum required embedded thread length in holding member, including tip, applicable to tabulated withdrawal design values
L_{thread}	=	Length of thread including tip
N_a	=	Allowable tension strength of the fastener for use in ASD
N_u	=	Design tension strength of the fastener, for use in LRFD
SG_{NDS}	=	Assigned specific gravity (See Section 3.3.)
$t_{s,w}$	=	Thickness of wood side member
V_a	=	Allowable shear strength of the fastener for use in ASD
V_u	=	Design shear strength of the fastener, for use in LRFD
W	=	Reference unit withdrawal design value for fasteners installed perpendicular to face of the wood
W_H	=	Reference head pull-through design value
Z	=	Reference lateral design value
$Z_{ }$	=	Reference lateral design value for fasteners loaded parallel to the wood grain
Z_{\perp}	=	Reference lateral design value for fasteners loaded perpendicular to the wood grain
α	=	Angle between the axis of the fastener and the grain of the applicable wood member, degrees

3.2 Strong Timber Screws:

The Strong Timber screws are dowel-type threaded fasteners designed to be installed in wood without drilling a lead hole. The screws are manufactured from carbon steel with supplementary heat treatment. The carbon steel screws have a proprietary coating designated as W.A.R. Coating. The screws are partially threaded and have a reamer knurl and a Type 17 point. The screws are available in two sizes and two head styles. See [Table 1](#) for screw dimensions. See [Figure 1](#) for a depiction of the screws.

3.3 Wood Members:

Wood members may be sawn lumber or structural glued laminated timber (glulam). Screws may also be used in the face of cross-laminated timber (CLT) panels. Use of the screws in engineered wood products (EWP) other than those addressed above is outside the scope of this report.

For purposes of connection design, sawn lumber, glulam and CLT members must have SG_{NDS} as indicated in the tables in this report and the moisture content must be less than or equal to 19 percent at the time of screw installation and while in service. SG_{NDS} for sawn lumber is the assigned specific gravity for the applicable grade mark, which must be determined in accordance with Table 12.3.3A of the ANSI/AWC National Design Specification for Wood Construction[®] (NDS) or the latest NDS Supplement. SG_{NDS} for glulam members is the Specific Gravity for Fastener Design addressed in Tables 5A through 5D of the NDS Supplement. When designing connections with screws installed into CLT panels, all of the laminations must have a minimum SG_{NDS} as indicated in the tables in this report.

For wood-to-wood connections, the tabulated side member thickness for lateral loading is an absolute value (not a minimum or maximum value). The thickness of the wood main member must be sufficient to ensure that the tip of the screw is fully embedded in the wood.

4.0 DESIGN AND INSTALLATION

4.1 Design:

4.1.1 General: The design values in this report are intended to aid the designer in meeting the requirements of IBC Section 1604.2. For connections not completely described in this report, determination of the suitability of the Strong Timber screws for the specific application is the responsibility of the designer and is outside the scope of this report. The designer is responsible for determining the available strengths for the connection, considering all applicable limit states, and for considering serviceability issues. The designer is responsible for determining the required spacing, edge distance and end distance for the screws, based on the characteristics of the connected building materials.

4.1.2 Screw Strength: Allowable screw shear and tension strengths (ASD) and design screw shear and tension strengths (LRFD) and minimum specified bending yield strengths for the screws are shown in [Table 2](#).

4.1.3 Reference Withdrawal Design Values: Reference withdrawal design values (W) in pounds per inch of embedment are shown in [Table 3](#). To obtain the total withdrawal capacity the applicable value from [Table 3](#) must be multiplied by the length of the screw embedment in the wood.

4.1.4 Reference Pull-through Design Values: For installation into wood with SG_{NDS} between 0.42 and 0.55, inclusive, having a minimum thickness of $\frac{3}{4}$ inch (19.1 mm), the reference head pull-through (W_H) design values may be determined in accordance with Section 12.2.5 of the NDS. Reference head pull-through design values for screws for selected conditions are shown in [Table 4](#), based on calculation in accordance with the NDS. Reference head pull-through values are for installation with $90^\circ \geq \alpha \geq 30^\circ$. Lesser angles of installation are outside the scope of this report.

4.1.5 Lateral Connections Designed in Accordance with the NDS: Reference lateral design values for some wood-to-wood connection configurations are given in [Table 5](#), based on calculations in accordance with the NDS. For other connection configurations, the reference lateral design strength for connections of two or more wood members using the screws described in this report may be designed in accordance with the NDS, subject to the following conditions:

1. $F_{yb,spec}$ from [Table 2](#) must be used for design.
2. D_r must be used where 'D' is referenced in Tables 12.3.1A, 12.3.1B and 12.3.3 of the NDS. For partially-threaded screws, when determining if Footnote 1 to Table 12.3.1B applies, D_s must be considered the nominal diameter.
3. Wood must have SG_{NDS} of 0.55 or less.
4. Wood side member thickness must be a minimum of $\frac{3}{4}$ inch (19.1 mm).
5. Fastener penetration into the main member must be a minimum of $2\frac{1}{2}$ inches (64 mm).
6. Dowel bearing length must be determined in accordance with Section 12.3.5.3 of the NDS, using 2^*D_r as the tapered tip length.
7. Spacing, edge and end distance must be in accordance with [Table 6](#), and as needed to prevent splitting of the wood.

4.1.6 Adjustments to Reference Design Values: Reference design values must be adjusted in accordance with the NDS provisions for dowel-type fasteners to determine the allowable strengths for use in ASD and the design strengths for use in LRFD.

4.1.7 Connections with Multiple Screws: See Sections 11.1.2, 11.2.2 and 12.6 of the NDS regarding multiple fastener connections and consideration of local stresses in the wood members.

4.1.8 Combined Loading: Where the fasteners are subjected to combined lateral and withdrawal loads, connections shall be designed in accordance with Section 12.4.1 of the NDS, as applicable.

4.2 Installation:

Strong Timber screws must be installed in accordance with the report holder's published installation instructions and this report. In the case of a conflict between this report and the report holder's instructions, the more restrictive requirements govern. The screws must be installed with the minimum spacing, end distances, and edge distances needed to prevent splitting of the wood or as noted in [Table 6](#), whichever is more restrictive. For the hex washer head screws, the underside of the integral washer must bear against the surface of the wood side member. For the flat head screws, the top of the screw head must be flush with the surface of the wood side member. Screws must not be overdriven. Installation may be performed without predrilling, but predrilled holes up to $0.90D_r$ may be used to reduce the likelihood of splitting. The screws must be installed by turning with a power driver, not by driving with a hammer.

5.0 CONDITIONS OF USE:

The Strong Timber screws 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 Calculations and details demonstrating compliance with this report must be submitted to the code official. The calculations and details must be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed.

- 5.2 Connection design for lateral loading applications using inclined fasteners is outside the scope of this report.
- 5.3 Connection geometry for inclined fastening must be justified to the satisfaction of the code official, including the minimum required wood thickness between crossing fasteners.
- 5.4 The screws have only been evaluated for use in dry service applications. Use in wet service conditions is outside the scope of this report.
- 5.5 Use of fasteners in locations exposed to saltwater or saltwater spray is outside the scope of this evaluation report.
- 5.6 Use of the Strong Timber screws in contact with preservative-treated or fire-retardant-treated wood is outside the scope of this report.
- 5.7 The screws are manufactured under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the [ICC-ES Acceptance Criteria for Dowel-type Threaded Fasteners Used in Wood \(AC233\)](#), dated June 2023 (editorially revised June 2024).

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-5684) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.
- 7.2 In addition, the packaging for the screws is labeled with the brand name (Strong Timber), the product designation, the nominal diameter (size), length, head style and coating. Each screw head is marked with as shown in [Table 1](#) and [Figure 1](#).
- 7.3 The report holder's contact information is the following:

US NITTO dba INTERCORP
641 NORTH POPLAR
ORANGE, CALIFORNIA 92868
(714) 744-2622
www.intercorpusa.com

TABLE 1—STRONG TIMBER SCREW DIMENSIONS

D_{nom}	HEAD STYLE	L^1 (in.)	L_{thread}^2 (in.)	D_s (inch)	D (inch)	D_r (inch)	D_H (inch)	DRIVE TYPE AND SIZE	HEAD MARKS
1/4 inch	Wafer	3	1.50	0.219	0.254	0.177	0.622	Torx T30	SP Q 3
		4	2.37						SP Q 4
		5	2.75						SP Q 5
		6	2.75						SP Q 6
		8	2.75						SP Q 8
		10	2.75						SP Q 10
1/4 inch	Hex Washer	3	1.50	0.219	0.254	0.177	0.500	Hex 3/8 inch across flats	SP Q 3
		4	2.37						SP Q 4
		5	2.75						SP Q 5
		6	2.75						SP Q 6
		8	2.75						SP Q 8
		10	2.75						SP Q 10
5/16 inch	Wafer	3	1.50	0.264	0.307	0.197	0.738	Torx T40	SP F 3
		4	2.37						SP F 4
		5	2.75						SP F 5
		6	2.75						SP F 6
		8	2.75						SP F 8
		10	2.75						SP F 10
5/16 inch	Hex Washer	3	1.50	0.264	0.307	0.197	0.500	Hex 3/8 inch across flats	SP F 3
		4	2.37						SP F 4
		5	2.75						SP F 5
		6	2.75						SP F 6
		8	2.75						SP F 8
		10	2.75						SP F 10

For SI: 1 inch = 25.4 mm.

¹Length is measured from the top of the fastener head for flat head fasteners and from the underside of head for hex washer head fasteners.

²Thread length includes the length of the tip.

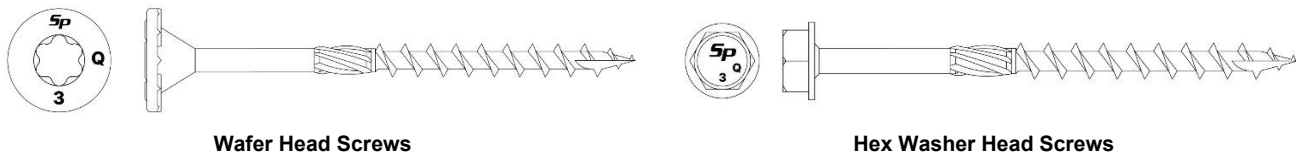


FIGURE 1—STRONG TIMBER SCREWS

TABLE 2—SCREW STRENGTHS FOR DESIGN

D_{nom}	$F_{yb,spec}$ (psi)	ALLOWABLE STEEL STRENGTHS (ASD) (lbf)		DESIGN STEEL STRENGTHS (LRFD) (lbf)	
		N_a	V_a	N_u	V_u
1/4 inch	157,000	1,525	935	2,285	1,400
5/16 inch	156,000	1,935	1,275	2,905	1,915

For SI: 1 psi = 6.89 kPa, 1 lbf = 4.45 N.

TABLE 3—REFERENCE WITHDRAWAL DESIGN VALUES (W)

D_{nom}	$L_{emb,w}$ (in.)	W FOR SELECTED SG_{NDS} VALUES (lbf/inch) ¹		
		0.42	0.50	0.55
1/4 inch	0.75	82	–	–
	1.50	–	147	153
5/16 inch	0.75	72	–	–
	1.50	–	139	159

For **SI**: 1 inch = 25.4 mm, 1 lbf/in = 0.175N/mm.

¹Tabulated values are applicable to screws installed perpendicular to the face of the wood member.

TABLE 4—REFERENCE PULL-THROUGH DESIGN VALUES (W_H)

D_{nom}	HEAD STYLE	$t_{s,w}$ (in.)	W_H FOR SELECTED SG_{NDS} VALUES: ¹		
			0.42	0.50	0.55
1/4 inch	Wafer	3/4	178	253	306
		1 1/2	357	506	612
	Hex Washer	3/4	145	205	248
		1 1/2	244	345	418
5/16 inch	Wafer	3/4	212	300	363
		1 1/2	423	600	726
	Hex Washer	3/4	145	205	248
		1 1/2	244	345	418

For **SI**: 1 inch = 25.4 mm, 1 lbf = 4.45 N.

¹Tabulated values are applicable to screws installed with $90^\circ \geq \alpha \geq 30^\circ$.

TABLE 5—REFERENCE LATERAL DESIGN VALUES (Z) FOR SINGLE SHEAR (TWO-MEMBER) WOOD-TO-WOOD CONNECTIONS BASED ON CALCULATION IN ACCORDANCE WITH THE NDS

D_{nom}	HEAD STYLE	$t_{s,w}$ (in.)	$L_{emb,l}$ (in.)	REFERENCE LATERAL DESIGN VALUE (Z) FOR SELECTED SG_{NDS} VALUES (lbf): ^{1,2,3}		
				0.42	0.50	0.55
1/4 inch	Wafer or Hex Washer	3/4	2 1/4	129	157	175
		1 1/2	2	166	207	226
5/16 inch	Wafer or Hex Washer	3/4	2 1/4	144	174	194
		1 1/2	2	167	230	257

For **SI**: 1 inch = 25.4 mm, 1 lbf = 4.45 N.

¹Tabulated values are applicable to screws installed perpendicular to the faces of the wood members.

²The wood main member thickness must be equal to or greater than the screw length less the thickness of the wood side member so that the fastener is fully embedded in the wood.

³The tabulated lateral design values are based on both wood members having the same specific gravity.

TABLE 6—CONNECTION GEOMETRY REQUIREMENTS FOR FASTENERS INSTALLED PERPENDICULAR TO THE FACE OF WOOD MEMBERS^{1,2,3}

CONDITION ⁴		MINIMUM DISTANCE OR SPACING		
		Self-drilled		Predrilled Hole ⁵
		$SG_{NDS} < 0.50$	$SG_{NDS} \geq 0.50$	
End distance (see Figure 2)	Loading toward end, $a_{end,1}$	15D	20D	12D
	Loading perpendicular to grain or away from end, $a_{end,2}$	10D	15D	7D
	Axial loading, $a_{end,2}$	10D	10D	7D
Edge distance (see Figure 2)	Loading toward edge, $a_{edge,1}$	10D	12D	7D
	Loading parallel to grain or away from edge, $a_{edge,2}$	5D	7D	3D
	Axial Loading, $a_{edge,2}$	4D	4D	3D
Spacing between fasteners, parallel to grain (see Figure 3)	Loading parallel to grain, a_1	15D	15D	10D
	Loading perpendicular to grain, a_1	10D	10D	5D
	Axial loading, a_1	7D	7D	7D
Spacing between fasteners, perpendicular to grain (see Figure 3)	Loading parallel to grain, a_2	5D	7D	4D
	Loading perpendicular to grain, a_2	5D	7D	4D
	Axial loading, a_2	4D	4D	3D

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

¹End distances, edge distances and fastener spacing must be sufficient to prevent splitting of the wood, or as required by this table, whichever is the more restrictive.

²Wood member stresses must be checked in accordance with Section 11.1.2 and Appendix E of the NDS, and end distances, edge distances and fastener spacing may need to be increased accordingly.

³Tabulated values are applicable to wood-to-wood and connections.

⁴For CLT products, parallel and perpendicular-to-grain descriptions apply to the grain orientation at the shear plane for lateral loading and to the face grain orientation for withdrawal loading.

⁵Tabulated geometry is applicable to fasteners installed in predrilled holes that meet the following requirements:

- For installation in Douglas Fir and other species of similar or greater density, the hole must have a diameter between $0.60D_s$ and $0.75D_s$.
- For installation in SPF and other species of similar density, the hole must have a diameter between $0.40D_s$ and $0.70D_s$.
- The hole diameter must not exceed $0.9D_r$.

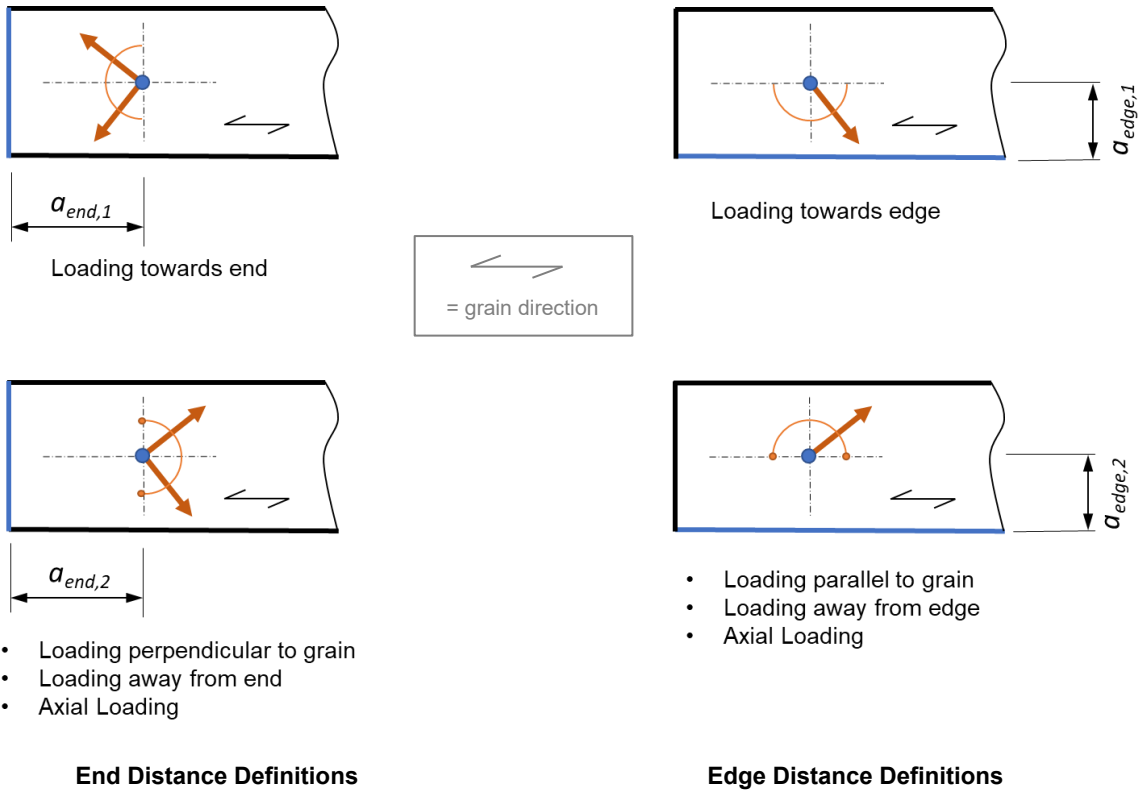


FIGURE 2—END AND EDGE DISTANCE DEFINITIONS FOR SCREWS INSTALLED PERPENDICULAR TO GRAIN

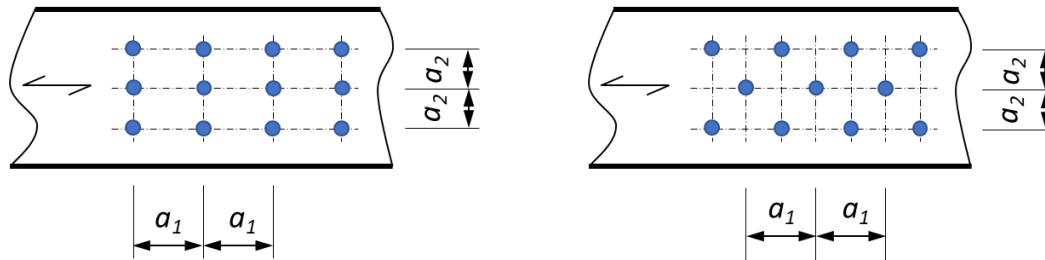


FIGURE 3—SPACING DEFINITIONS FOR SCREWS INSTALLED PERPENDICULAR TO GRAIN

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23—Wood, Plastic, and Composite Fastenings
Section: 06 05 23.20—Screws

REPORT HOLDER:

US NITTO dba INTERCORP

EVALUATION SUBJECT:

STRONG TIMBER SCREWS

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Strong Timber Screws, described in ICC-ES evaluation report [ESR-5684](#), have also been evaluated for compliance with the Chicago Construction Codes (Title 14 of the Chicago Municipal Code) as noted below.

Applicable code editions:

- 2019 *Chicago Building Code* (Title 14B)

2.0 CONCLUSIONS

The Strong Timber Screws, described in Sections 2.0 through 7.0 of the evaluation report [ESR-5684](#), comply with Title 14B, and are subject to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Strong Timber Screws described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-5684](#).
- The design, installation, conditions of use and identification of the Strong Timber Screws are in accordance with the 2018 *International Building Code*® (IBC) provisions noted in the evaluation report [ESR-5684](#).
- The design, installation and inspection are in accordance with additional requirements of Chapters 16 and 17 of Title 14B, as applicable.

This supplement expires concurrently with the evaluation report, issued June 2026.

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23—Wood, Plastic, and Composite Fastenings
Section: 06 05 23.20—Screws

REPORT HOLDER:

US NITTO dba INTERCORP

EVALUATION SUBJECT:

STRONG TIMBER SCREWS

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Strong Timber Screws, described in ICC-ES evaluation report [ESR-5684](#), 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:

- 2026* City of Los Angeles Building Code ([LABC](#))
- 2026* City of Los Angeles Residential Code ([LARC](#))

*For evaluation for compliance with the anticipated requirements of the 2026 LABC and LARC

2.0 CONCLUSIONS

The Strong Timber Screws, described in Sections 2.0 through 7.0 of the evaluation report [ESR-5684](#), comply with the LABC Chapter 23, and the LARC, and are subject to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Strong Timber Screws described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-5684](#).
- The design, installation, conditions of use and identification of the Strong Timber Screws are in accordance with the 2024 *International Building Code*® (IBC) and 2024 *International Residential Code*® (IRC) provisions, as applicable, noted in the evaluation report [ESR-5684](#).
- The design, installation and inspection are in accordance with additional requirements of LABC Chapters 16 and 17, as applicable.
- Under the LARC, an engineered design in accordance with LARC Section R301.1.3 must be submitted.

This supplement expires concurrently with the evaluation report, issued June 2026.

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23—Wood, Plastic, and Composite Fastenings
Section: 06 05 23.20—Screws

REPORT HOLDER:

US NITTO dba INTERCORP

EVALUATION SUBJECT:

STRONG TIMBER SCREWS

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that Strong Timber Screws, described in ICC-ES evaluation report [ESR-5684](#), have also been evaluated for compliance with the codes noted below.

Applicable code edition(s):

- 2025 California Building Code (CBC)

For evaluation of applicable Chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2025 California Residential Code (CRC)

2.0 CONCLUSIONS**2.1 CBC:**

The Strong Timber Screws, described in Sections 2.0 through 7.0 of the evaluation report [ESR-5684](#), comply with CBC Chapter 23, provided the design and installation are in accordance with the 2024 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 16 and 17 as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

2.2 CRC:

The Strong Timber Screws, described in Sections 2.0 through 7.0 of the evaluation report [ESR-5684](#), comply with CRC Chapter 3, provided the design and installation are in accordance with the 2024 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Chapter 3, as applicable.

This supplement expires concurrently with the evaluation report, issued June 2026.

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23—Wood, Plastic, and Composite Fastenings
Section: 06 05 23.20—Screws

REPORT HOLDER:

US NITTO dba INTERCORP

EVALUATION SUBJECT:

STRONG TIMBER SCREWS

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that Strong Timber Screws, addressed in ICC-ES evaluation report [ESR-5684](#), have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2023 Florida Building Code—Building
- 2023 Florida Building Code—Residential

2.0 CONCLUSIONS

The Strong Timber Screws, described in Sections 2.0 through 7.0 of ICC-ES evaluation report [ESR-5684](#), comply with the *Florida Building Code—Building* and the *Florida Building Code—Residential*. The design requirements must be determined in accordance with the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report [ESR-5684](#) for the 2021 *International Building Code*® meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable.

Use of the Strong Timber Screws for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* or the *Florida Building Code—Residential* has not been evaluated, and is outside the scope of this supplemental report.

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission). Florida Rule 61G20-3 is applicable to products and/or systems which comprise the building envelope and structural frame for compliance with the structural requirements of the Florida Building Code.

This supplement expires concurrently with the evaluation report, issued June 2026.

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23—Wood, Plastic, and Composite Fastenings
Section: 06 05 23.20—Screws

REPORT HOLDER:

US NITTO dba INTERCORP

EVALUATION SUBJECT:

STRONG TIMBER SCREWS

1.0 REPORT PURPOSE AND SCOPE**Purpose:**

The purpose of this evaluation report supplement is to indicate that Strong Timber Screws, described in ICC-ES evaluation report [ESR-5684](#), have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2025 Oregon Structural Specialty Code (OSSC)

2.0 CONCLUSIONS

The Strong Timber Screws, described in Sections 2.0 through 7.0 of the ICC-ES evaluation report [ESR-5684](#), comply with the OSSC Chapter 23, and are subject to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Strong Timber Screws described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-5684](#).
- The design, installation, conditions of use and identification of the Strong Timber Screws are in accordance with the 2024 *International Building Code*® (IBC) provisions noted in the ICC-ES evaluation report [ESR-5684](#).
- The design, installation and inspection are in accordance with additional requirements of OSSC Chapters 16 and 17, as applicable.

This supplement expires concurrently with the evaluation report, issued June 2026.