DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
SECTION: 06 53 00—PLASTIC DECKING
SECTION: 06 63 00—PLASTIC RAILINGS

REPORT HOLDER:
TREX COMPANY, INC.

EVALUATION SUBJECT:
TREX TRANSCEND™ DECKING AND TREX TRANSCEND™ FASCIA: 1X8 AND 1X12

Look for the trusted marks of Conformity!

“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”
DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 53 00—Plastic Decking
Section: 06 63 00—Plastic Railings

REPORT HOLDER:
TREX COMPANY, INC.

EVALUATION SUBJECT:
TREX TRANSCEND™ DECKING AND TREX TRANSCEND™ FASCIA: 1X8 AND 1X12

1.0 EVALUATION SCOPE

Compliance with the following evaluation guidelines:


Compliance eligibility with the applicable sections of the following green building rating systems, standards and codes:

- National Green Building Standard (ICC 700-2008) (see Table 4 for details)
- LEED for Homes 2008 (see Table 5 for details)
- LEED 2009 for New Construction and Major Renovations (see Table 6 for details)
- 2010 California Green Building Standards Code (CALGreen), Title 24, Part 11 (see Table 7 for details)

2.0 USES

Trex® Transcend is used for a variety of exterior applications, including nonstructural trim and deck boards and guardrail assemblies for balconies, porches and exterior walking surfaces.

3.0 DESCRIPTION

Trex® products are wood thermoplastic composite lumber (WTCL) made from a blend of wood and polyethylene. The products are manufactured in a variety of sizes, profiles, textures and colors.

4.0 CONDITIONS

4.1 Code Compliance:

The Trex Transcend™ Decking and Trex Transcend™ Fascia: 1x8 and 1x12 have been evaluated for compliance with the requirements of the International Codes as listed in Table 3 of this report.

4.2 Green Rating Systems, Standards and Code Eligibility:

The information presented in Tables 4 through 7 of this report provides a matrix of areas of evaluation and corresponding limitations and/or additional project-specific requirements, and offers benefits to individuals who are assessing eligibility for credits or points.

The final interpretation of the specific requirements of the respective green building rating system and/or standard rests with the developer of that specific rating system or standard or the AHJ, as applicable.

Compliance for items noted as “Verified Attribute” is subject to any conditions noted in the tables. Decisions on compliance for those items noted as “Eligible for Points” in Tables 4 through 7 rest with the user of this report, and those items are subject to the conditions noted. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. Rating systems or standards often provide supplemental information as guidance.

5.0 BASIS OF EVALUATION

The information in this report, including the “Verified Attribute,” is based upon the following supporting documentation:

5.1 ICC-ES EC101. [Evaluation applies to ICC 700 Section 604.1; LEED Homes MR Credit 2.2; LEED NC MR Credit 4; CALGreen Section A4.405.3 & A5.504.4].

5.2 ICC-ES EC102. [Evaluation applies to ICC 700 Section 606.1(2)].

5.3 Evidence of compliance with termite resistance in accordance with Section 4.4 of the ICC-ES Acceptance Criteria for Thermoplastic Composite Wood Products (AC109) or Section 3.9 of the ICC-ES Acceptance Criteria for Deck Board Span Ratings and Guardrail Systems (Guards and Handrails) (AC174). [Evaluation applies to ICC 700 Section 602.8].
6.0 IDENTIFICATION

6.1 Trex products are identified with a stamp noting the manufacturer’s name (Trex) and address, the product name, the manufacturing location, the ICC-ES evaluation report number (if applicable), and the name or logo of the inspection or grading agency. The report subjects are also identified on the product and/or packaging with the VAR Environmental Report number (VAR-1011) and the ICC-ES SAVE Mark, as applicable.

6.2 The report holder’s contact information is the following:

TREX COMPANY, INC.
160 EXETER DRIVE
WINCHESTER, VIRGINIA 22602
(540) 542-6300
www.Trex.com

---

**TABLE 1—RECYCLED CONTENT BY WEIGHT SUMMARY**

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>RECYCLED MATERIALS</th>
<th>% PRE-CONSUMER RECYCLED CONTENT</th>
<th>% POST-CONSUMER RECYCLED CONTENT</th>
<th>% TOTAL RECYCLED CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trex Transcend™ Decking</td>
<td>Wood</td>
<td>47.70</td>
<td>0</td>
<td>95.40</td>
</tr>
<tr>
<td>Trex Transcend™ Fascia: 1x8 &amp; 1x12</td>
<td>Polyethylene</td>
<td>16.70</td>
<td>31.00</td>
<td></td>
</tr>
</tbody>
</table>

**TABLE 2—BIOBASED MATERIAL CONTENT SUMMARY**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>MINIMUM % BIOBASED CONTENT</th>
<th>METHOD OF DETERMINATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trex Transcend™ Decking</td>
<td>40%</td>
<td>Calculation</td>
</tr>
<tr>
<td>Trex Transcend™ Fascia: 1x8 &amp; 1x12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TABLE 3—ICC-ES EVALUATION REPORT NUMBER FOR TREX PRODUCTS**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>REPORT NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trex Transcend™ Decking</td>
<td></td>
</tr>
<tr>
<td>Trex Transcend™ Fascia: 1x8 and 1x12</td>
<td>ESR-3168</td>
</tr>
</tbody>
</table>
### TABLE 4—SUMMARY OF AREAS OF ELIGIBILITY WITH THE NATIONAL GREEN BUILDING STANDARD (ICC 700-2008)

<table>
<thead>
<tr>
<th>Section Number</th>
<th>Section Intent</th>
<th>Possible Points</th>
<th>Conditions of Use to Qualify for Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>602.8</td>
<td>Termite-resistant materials are used.</td>
<td>6 max</td>
<td>To earn 6 points all structural elements must be termite resistant in areas of heavy termite infestation. 2 or 4 points are available for areas with lower infestation probability.</td>
</tr>
<tr>
<td>604.1</td>
<td>Use two or more major and/or minor building materials containing recycled content.</td>
<td>2 max</td>
<td>2, 4 or 6 points may be earned when products are used with another major building component with recycled content of 25% &lt; 50%; 50% &lt; 75%; ≥ 75%, respectively.</td>
</tr>
<tr>
<td>606.1(2)</td>
<td>Two types of biobased materials are used, each for more than 1 percent of the project’s projected building material cost.</td>
<td>6</td>
<td>To earn 6 points two types of bio-based products must be used and the cost of each must be more than 1% of the projects projected building material cost.</td>
</tr>
<tr>
<td>903.4.1(3)</td>
<td>The moisture content of lumber is sampled to ensure it does not exceed 19 percent prior to the surface and/or wall cavity exposure.</td>
<td>4</td>
<td>To earn 4 points the moisture content of lumber must be determined to not exceed 19%, such as measuring with a moisture meter, prior to enclosure.</td>
</tr>
</tbody>
</table>

### TABLE 5—SUMMARY OF AREAS OF ELIGIBILITY WITH USGBC’S LEED FOR HOMES 2008

| MR 2.2         | Recycled content. | 0.5 | To earn 0.5 point use materials with recycled content such that the sum of postconsumer recycled content plus 1/2 the post industrial (preconsumer) content constitutes a minimum total recycled content of 25%. |

### TABLE 6—SUMMARY OF AREAS OF ELIGIBILITY WITH USGBC’S LEED 2009 FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS

| MR4            | Recycled content. | 1 max | To earn 1 point use materials with recycled content such that the sum of postconsumer recycled content plus 1/2 of the preconsumer content constitutes at east 10%, based on the cost,of the total value of the materials in the project. To earn 2 points use 20% or more. |

### TABLE 7—SUMMARY OF AREAS OF ELIGIBILITY WITH 2010 CALIFORNIA GREEN BUILDING STANDARDS CODE

| A4.405.3       | Recycled content. | N/A | Use materials with postconsumer or preconsumer recycled content value for a minimum of 10% of the total value, based on estimated cost of materials on the project. |
| 4.505.3        | Moisture content of building materials. | N/A | Moisture content of lumber may be measured with an appropriate handheld moisture meter. |

○ = Eligible for points  
● = Verified attribute  
N/A = Not applicable (i.e. this is a minimum requirement that is meet and points/credits are not applicable).
DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
SECTION: 06 05 00—STRUCTURAL PLASTICS
SECTION: 06 53 00—PLASTIC DECKING

REPORT HOLDER:

TREX COMPANY, INC.

EVALUATION SUBJECT:

TREX® ENHANCE®, TRANSCEND®, TRANSCEND® G2, AND SELECT® COMPOSITE DECKING
DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 50 00—Structural Plastics
Section: 06 53 00—Plastic Decking

REPORT HOLDER:
TREX COMPANY, INC.

EVALUATION SUBJECT:
TREX® ENHANCE®, TRANSCEnd®, TRANSCEnd® G2, AND SELECT® COMPOSITE DECKING

1.0 EVALUATION SCOPE

1.1 Compliance with the following codes:
- 2015, 2012 and 2009 International Residential Code® (IRC)
- 2013 Abu Dhabi International Building Code (ADIBC)†

†The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:
- Structural
- Durability
- Surface-burning characteristics

1.2 Evaluation to the following green code(s) and/or standards:
- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11

Attributes verified:
See Section 3.1

2.0 USES

Trex® composite Enhance®, Transcend®, Transcend G2, and Select® Composite Decking are for use as deck boards (Figure 1) for exterior balconies, porches, decks, stair treads and other exterior walking surfaces of Type V-B (IBC) construction, and in structures constructed in accordance with the IRC. Trex® Enhance, Transcend™, and Select® Fascia Boards (Figure 2) are for use as nonstructural trim components for exterior balconies, porches and decks of Type V-B (IBC) construction, and in structures constructed in accordance with the IRC.

3.0 DESCRIPTION

3.1 General:
Trex® composite decking is a wood thermoplastic composite lumber (WTCL) deck board and fascia, with an integrated shell that covers the boards on the top surface and sides. The underside of the boards and fascia is not covered by the integrated shell. The integrated shell consists of a proprietary surface formulation that produces a natural, wood-like grain pattern finish. The deck board and fascia are made from approximately 50 percent wood fiber and 50 percent polyethylene by weight, and are alternatives to preservative-treated or naturally durable lumber. Trex® composite decking is manufactured by a continuous extrusion process and is available in various colors, sizes, and textures per each product as described in Sections 3.1.1, 3.1.2, 3.1.3 and 3.1.4. The Trex® Hideaway® hidden fastening system (Figure 4) is described in Section 3.1.5.

The attributes of the Trex® composite decking have been verified as conforming to the provisions of:
- (i) CALGreen Section A5.406.1.2 for reduced maintenance;
- (ii) ICC 700-2015 and ICC 700-2012 Section 602.1.6 and 11.602.1.6 for termite-resistant materials and Section 601.7, 11.601.7, and 12.1(A),601.7 for site-applied finishing materials; and
- (iii) ICC 700-2008 Section 6.2.8 for termite-resistant materials and Section 601.7 for site-applied finishing materials. Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. These codes or standards often provide supplemental information as guidance. See Section 3.2 for limitations on termite-resistance use.

3.1.1 Trex® Enhance Composite Decking:
Enhance® decking is available in 3 colors: Beach Dune, Clamshell, and Saddle. Trex® Enhance composite decking has square-edge and grooved-edge profiles. The square-edge deck boards are 1-inch-thick-by-5'/2-inch-wide nominal (25 mm by 140 mm) and the grooved-edge deck boards are 1-inch-thick-by-5'/2-inch-wide nominal (25 mm by 140 mm). Trex® composite fascia boards are ¾-inch-thick-by-7'/4-inch-wide (17 mm by 184 mm) and ¾-inch-thick-by-11'/4-inch-wide (17 mm by 288 mm) profiles.

3.1.2 Trex® Transcend® Composite Decking:
Transcend® composite decking is available in ten colors: Gravel Path, Fire Pit, Vintage Lantern, Tree House, Rope Swing, Spiced Rum, Lava Rock, Island Mist, Havana Gold, and Tiki Torch. Transcend® composite decking has square-edge and grooved-edge profiles. The
square-edge deck boards are 1-inch-thick-by-5½-inch-wide nominal (25 mm by 140 mm) or 1¹/₂-inch-thick-by-
5½-inch-wide nominal (33 mm by 140 mm) and the grooved-edge deck boards are 1-inch-thick-by-5½-inch-
wide nominal (25 mm by 140 mm). Trex® Transcend® composite fascia boards are ¾-inch-thick-by-7½-inch-
wide (17 mm by 184 mm) and ¾-inch-thick-by-11½-inch-wide (17 mm by 288 mm) profiles.

3.1.3 Trex® Transcend® G2 Composite Decking: Transcend® G2 composite decking has a chamfered
groove edge profile and is available in five colors: Gravel Path, Fire Pit, Vintage Lantern, Tree House, Rope Swing,
Spiced Rum, Lava Rock, Island Mist, Havana Gold, and Tiki Torch. Transcend® G2 composite decking is 1-inch-
wide (17 mm by 140 mm) and ¾-inch-thick-by-11½-inch-wide (17 mm by 288 mm) profiles.

3.1.4 Trex® Select® Composite Decking: Select® composite decking is available in 5 colors: Madeira,
Pebble Grey, Winchester Grey, Woodland Brown, and Saddle. The Select composite decking has square-edge
and grooved-edge profiles. The square-edge deck boards are 1½-inch-thick-by-5½-inch-wide nominal (20 mm by
140 mm) or 1³/₄-inch-thick-by-5½-inch-wide nominal (33 mm by 140 mm). Grooved-edge deck boards are
1¼-inch-thick-by-5½-inch nominal (25 mm by 140 mm). The Select composite fascia are ¾-inch-thick-by-7¼-inch-
wide (17 mm by 184 mm) and ¾-inch-thick-by-11¼-inch-wide (17 mm by 288 mm) profiles.

3.1.5 Trex® Hideaway® Hidden Fastening System: The hidden fastener system is designed specifically for
Trex® composite deck boards having grooved-edges and consists of a stainless steel clip or a plastic universal clip
and No. 8 by 2-inch-long (51 mm) stainless steel flathead screw.

3.2 Durability:
When subjected to weathering, insect attack and other
decaying elements, the deck board and fascia material are
equivalent in durability to preservative-treated or naturally
durable lumber. Accordingly, the material is permitted to be
used as an alternative to preservative-treated or naturally
durable lumber on exterior decks, porches, balconies and
stair treads, as applicable. The deck board and fascia have
been evaluated for use in ambient air temperatures
between -20°F (-29°C) and 125°F (52°C).

3.3 Surface-burning Characteristics:
When tested in accordance with ASTM E84, Trex®
composite boards have a flame-spread index no greater
than 200.

4.0 DESIGN AND INSTALLATION

4.1 Design: Allowable Stresses:
Table 1 lists allowable stress values only for the Trex®
Transcend® decking recognized in this report. These
values must not be adjusted.

4.2 Installation:
4.2.1 Deck Boards: The deck boards may be installed
perpendicular or at an angle to the supporting construction.
Table 2 lists the maximum spacing for deck boards
installed perpendicular or at an angle to the supporting
construction. The deck boards must be spaced at edges
and ends in accordance with the manufacturer’s published
installation instructions.

4.2.2 Deck Boards Used as Stair Treads: The deck
boards, when used as stair treads, are sufficient to resist
the code-prescribed concentrated load of 300 lbf (1.33 kN)
when installed at a maximum center-to-center spacing as
indicated in Table 3.

4.2.3 Deck Board Fasteners: Trex® “grooved-edge”
boards, when installed perpendicular to the supporting
construction with the Trex® Hideaway® Stainless Steel or
Universal Hidden Fastener Systems with No. 8 by 2-inch
(51 mm) stainless steel flathead screws, have an uplift
rating of 100 psf (4788 Pa) up to a maximum span of
16 inches (406 mm) when installed at each support. Trex®
“square-edge” solid boards (no edge groove) are installed
with two No. 8 or No. 10 by 2 ½-inch (63.5 mm) wood
screws at ends to each support, at least 1 inch (25.4 mm)
from the board end and sides. The allowable fastener head
pull-through capacity for the screws is 237 lbf (1054 N) per
fastener. Multiple joists or blocking must be used to
provide adequate surface for fastener embedment at board
ends.

5.0 CONDITIONS OF USE

The Trex® composite deck boards 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 The Trex® composite decking is limited to exterior use
devices for balconies, porches, decks and
stair treads of Type V-B (IBC) construction and
structures constructed in accordance with the IRC.

5.2 The Trex® composite fascia is limited to exterior use
as trim for balconies, porches and decks of Type V-B
(IBC) construction and structures constructed in accordance with the IRC.

5.3 Installation must comply with this report, the
manufacturer’s published installation instructions and
the applicable code. When the manufacturer’s
published installation instructions differ from this
report, this report governs.

5.4 The use of the Trex® composite decking and fascia as
a component of a fire-resistance-rated assembly is
outside the scope of this report.

5.5 The compatibility of the fasteners with the supporting
construction, including chemically treated wood, is
outside the scope of this report.

5.6 The deck boards must be directly fastened to
supporting construction. Where required by the code
official, engineering calculations and construction
documents consistent with this report must be
submitted for approval. The calculations must verify
that the supporting construction complies with the
applicable building code requirements and is
adequate to resist the loads imparted upon it from the
products and systems discussed in this report. The
documents must contain details of the attachment to
the supporting structure consistent with the
requirements of this report. The documents must be
prepared by a registered design professional where
required by the statutes of the jurisdiction in which the
project is to be constructed.

5.7 The Trex® composite decking board and fascia are
produced in Winchester, Virginia, and Fernley,
Nevada, under a quality control program with
inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with applicable portions of the
ICC-ES Acceptance Criteria for Deck Board Span

6.2 Test data in accordance with ASTM D7031 for bending, compressive stress parallel to longitudinal direction \( F_c \), compressive stress perpendicular to longitudinal direction \( F_{c\perp} \) and shear stress \( F_v \).

7.0 IDENTIFICATION

7.1 The deck board and fascia board described in this report must be identified by a label on the packaging bearing the Trex Company, Inc., name and address, the product name and the evaluation report number (ESR-3168).

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

**TREX COMPANY, INC.**
160 EXETER DRIVE
WINCHESTER, VIRGINIA 22602
(540) 542-6300
www.trex.com

### TABLE 1—ALLOWABLE DESIGN STRESS VALUES ONLY FOR TREX® TRANSCEND® SOLID AND GROOVED-EDGE DECKING

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>ALLOWABLE DESIGN VALUE (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural stress ( F_b )(^1)</td>
<td>500</td>
</tr>
<tr>
<td>Modulus of Elasticity ( E )(^1)</td>
<td>200,000</td>
</tr>
<tr>
<td>Compressive stress parallel to longitudinal direction ( F_c )(^2)</td>
<td>540</td>
</tr>
<tr>
<td>Compressive stress perpendicular to longitudinal direction ( F_{c\perp} )(^2)</td>
<td>540</td>
</tr>
<tr>
<td>Shear stress ( F_v )(^2)</td>
<td>360</td>
</tr>
</tbody>
</table>

For SI: 1 psi = 6.9 kPa.

\(^1\)Values are based on testing for flatwise bending.

\(^2\)Values are based on testing to ASTM D7031.

### TABLE 2—DECK BOARD SPAN RATING

<table>
<thead>
<tr>
<th>DECK BOARD</th>
<th>ANGLE WITH RESPECT TO JOIST (degrees)</th>
<th>MAXIMUM SPAN(^1) (inches)</th>
<th>ALLOWABLE CAPACITY(^2) (lbf/ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhance(^\circ) 1-by-5.5 Solid</td>
<td>30</td>
<td>8</td>
<td>100</td>
</tr>
<tr>
<td>Enhance(^\circ) 1-by-5.5 Solid</td>
<td>45</td>
<td>12</td>
<td>100</td>
</tr>
<tr>
<td>Enhance(^\circ) 1-by-5.5 Solid</td>
<td>60</td>
<td>14</td>
<td>100</td>
</tr>
<tr>
<td>Enhance(^\circ) 1-by-5.5 Solid</td>
<td>90</td>
<td>16</td>
<td>100</td>
</tr>
<tr>
<td>Enhance(^\circ) 1-by-5.5 Grooved-edge</td>
<td>30</td>
<td>8</td>
<td>100</td>
</tr>
<tr>
<td>Enhance(^\circ) 1-by-5.5 Grooved-edge</td>
<td>45</td>
<td>12</td>
<td>100</td>
</tr>
<tr>
<td>Enhance(^\circ) 1-by-5.5 Grooved-edge</td>
<td>60</td>
<td>14</td>
<td>100</td>
</tr>
<tr>
<td>Enhance(^\circ) 1-by-5.5 Grooved-edge</td>
<td>90</td>
<td>16</td>
<td>100</td>
</tr>
<tr>
<td>Transcend(^\circ) 1-by-5.5 Solid</td>
<td>30</td>
<td>8</td>
<td>100(^3)</td>
</tr>
<tr>
<td>Transcend(^\circ) 1-by-5.5 Solid</td>
<td>45</td>
<td>12</td>
<td>100(^3)</td>
</tr>
<tr>
<td>Transcend(^\circ) 1-by-5.5 Solid</td>
<td>60</td>
<td>14</td>
<td>100(^3)</td>
</tr>
<tr>
<td>Transcend(^\circ) 1-by-5.5 Solid</td>
<td>90</td>
<td>16</td>
<td>100(^3)</td>
</tr>
<tr>
<td>Transcend(^\circ) 1-by-5.5 Grooved-edge</td>
<td>30</td>
<td>8</td>
<td>100(^3)</td>
</tr>
<tr>
<td>Transcend(^\circ) 1-by-5.5 Grooved-edge</td>
<td>45</td>
<td>12</td>
<td>100(^3)</td>
</tr>
<tr>
<td>Transcend(^\circ) 1-by-5.5 Grooved-edge</td>
<td>60</td>
<td>14</td>
<td>100(^3)</td>
</tr>
<tr>
<td>Transcend(^\circ) 1-by-5.5 Grooved-edge</td>
<td>90</td>
<td>16</td>
<td>100(^3)</td>
</tr>
<tr>
<td>Transcend(^\circ) 1(\frac{3}{8})-by-5.5 Solid</td>
<td>30</td>
<td>8</td>
<td>100</td>
</tr>
<tr>
<td>Transcend(^\circ) 1(\frac{3}{8})-by-5.5 Solid</td>
<td>45</td>
<td>12</td>
<td>100</td>
</tr>
<tr>
<td>Transcend(^\circ) 1(\frac{3}{8})-by-5.5 Solid</td>
<td>60</td>
<td>16</td>
<td>100</td>
</tr>
<tr>
<td>Transcend(^\circ) 1(\frac{3}{8})-by-5.5 Solid</td>
<td>90</td>
<td>24</td>
<td>100</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4 mm; 1 lbf/ft² = 47.9 Pa.

\(^1\)Maximum span is measured center-to-center of the supporting construction.

\(^2\)Maximum allowable capacity is adjusted for durability. No further increases are permitted.

\(^3\)The allowable capacity is applicable to Transcend\(^\circ\) G2 composite decking.
**TABLE 2—DECK BOARD SPAN RATING (CONTINUED)**

<table>
<thead>
<tr>
<th>DECK BOARD</th>
<th>ANGLE WITH RESPECT TO JOIST (degrees)</th>
<th>MAXIMUM SPAN¹ (inches)</th>
<th>ALLOWABLE CAPACITY² (lb/ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select® 15/16-by-5.5 Solid</td>
<td>30</td>
<td>8</td>
<td>100</td>
</tr>
<tr>
<td>Select® 15/16-by-5.5 Solid</td>
<td>45</td>
<td>12</td>
<td>100</td>
</tr>
<tr>
<td>Select® 15/16-by-5.5 Solid</td>
<td>60</td>
<td>14</td>
<td>100</td>
</tr>
<tr>
<td>Select® 15/16-by-5.5 Solid</td>
<td>90</td>
<td>16</td>
<td>100</td>
</tr>
<tr>
<td>Select® 15/16-by-5.5 Grooved-edge</td>
<td>30</td>
<td>8</td>
<td>100</td>
</tr>
<tr>
<td>Select® 15/16-by-5.5 Grooved-edge</td>
<td>45</td>
<td>12</td>
<td>100</td>
</tr>
<tr>
<td>Select® 15/16-by-5.5 Grooved-edge</td>
<td>60</td>
<td>14</td>
<td>100</td>
</tr>
<tr>
<td>Select® 15/16-by-5.5 Grooved-edge</td>
<td>90</td>
<td>16</td>
<td>100</td>
</tr>
<tr>
<td>Select® 13/8-by-5.5 Solid</td>
<td>30</td>
<td>8</td>
<td>100</td>
</tr>
<tr>
<td>Select® 13/8-by-5.5 Solid</td>
<td>45</td>
<td>12</td>
<td>100</td>
</tr>
<tr>
<td>Select® 13/8-by-5.5 Solid</td>
<td>60</td>
<td>14</td>
<td>100</td>
</tr>
<tr>
<td>Select® 13/8-by-5.5 Solid</td>
<td>90</td>
<td>16</td>
<td>100</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4 mm; 1 lb/ft² = 47.9 Pa.

¹Maximum span is measured center-to-center of the supporting construction.
²Maximum allowable capacity is adjusted for durability. No further increases are permitted.

**TABLE 3—MAXIMUM STAIR TREAD SPANS²**

<table>
<thead>
<tr>
<th>DECK BOARD</th>
<th>MAXIMUM SPAN (inches)³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhance 1-by-5.5 Solid</td>
<td>12</td>
</tr>
<tr>
<td>Enhance 1-by-5.5 Grooved-edge</td>
<td>12</td>
</tr>
<tr>
<td>Transcend® 1-by-5.5 Solid</td>
<td>12</td>
</tr>
<tr>
<td>Transcend® 1 1/8-by-5.5 Solid</td>
<td>12</td>
</tr>
<tr>
<td>Transcend® 1-by-5.5 Grooved-edge</td>
<td>12²</td>
</tr>
<tr>
<td>Select® 15/16-by-5.5 Solid</td>
<td>9</td>
</tr>
<tr>
<td>Select® 15/16-by-5.5 Grooved-edge</td>
<td>9</td>
</tr>
<tr>
<td>Select® 13/8-by-5.5 Solid</td>
<td>12</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4 mm; 1 lb/ft² = 47.9 Pa.

¹Maximum span is measured center-to-center of the supporting construction.
²Based on a minimum two-span installation.
³The maximum span is applicable to Transcend® G2 composite decking.
FIGURE 1—TYPICAL TREX® DECK BOARD PROFILES

FIGURE 2—TREX® FASCIA PROFILES

FIGURE 3—TREX® TRANSCEND G2 GROOVED-EDGE DECK BOARD PROFILES

FIGURE 4—HIDDEN FASTENER PROFILE