



**Home Innovation**  
NGBS GREEN CERTIFIED™

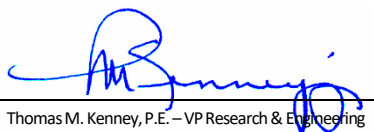
THIS SIGNIFIES THE FOLLOWING CONSTRUCTION PRODUCTS

**WEYERHAEUSER TRUS JOIST® STRANDGUARD® TIMBERSTRAND LSL**

MANUFACTURED BY

**WEYERHAEUSER**

ARE CERTIFIED FOR POINTS TOWARD NGBS GREEN CERTIFICATION TO THE  
ICC-700 NATIONAL GREEN BUILDING STANDARD, AS DETAILED BELOW.

  
Thomas M. Kenney, P.E. – VP Research & Engineering

January 19, 2009  
Approval Date

December 31, 2021  
Expiration Date

**CERTIFICATE #000008**

This certificate is not a representation, warranty, or guarantee of product performance or certification of code compliance. For details of the product warranty, consult the product manufacturer.



NGBS Green Certificate #NGBSGCP-000008

Products: Weyerhaeuser Trus Joist® StrandGuard® TimberStrand LSL

Manufacturer: Weyerhaeuser

The product(s) shown on this report have been independently verified as eligible products for use in achieving points toward project certification under ICC-700 National Green Building Standard. Home Innovation Research Labs authorizes accredited verifiers to award points toward certification without additional documentation when the product(s) is used as noted below.

| 2012 NATIONAL GREEN BUILDING STANDARD |   |                            |   |
|---------------------------------------|---|----------------------------|---|
| PRACTICE #                            | PRACTICE DESCRIPTION  | POTENTIAL POINTS AVAILABLE | ADDITIONAL CONDITIONS OF USE TO AWARD POINTS  |
| 2012 NGBS 601.2                       | Structural systems/advanced framing techniques optimize material usage. | 3                          | Product must be used as part of a system resulting in joist spacings at 24" OC or more or used as headers that have been designed and sized for the loads.  |
| 2012 NGBS 602.1.6                     | Termite-resistant materials are used in portions of the building.       | 6                          | To earn 6 points, all structural elements must be termite resistant in areas of heavy termite infestation. Lesser points available for less structure in lower infestation areas.                           |
| 2012 NGBS 606.1                       | Biobased products are used. 8 points maximum awarded.                   | 6                          | To earn 6 points this product must be at least 1% of the construction material cost AND another biobased product, also at 1% of material cost, must be used. Lesser points are available at the 0.5% level. |

| 2012 NATIONAL GREEN BUILDING STANDARD |   |                            |  |
|---------------------------------------|---|----------------------------|--|
| PRACTICE #                            | PRACTICE DESCRIPTION  | POTENTIAL POINTS AVAILABLE | ADDITIONAL CONDITIONS OF USE TO AWARD POINTS   |
| 2012 NGBS 606.2(1)                    | A minimum of 2 wood or wood-based products used for minor elements are certified to the requirements of a recognized product program.   | 3                          | To earn 3 points, a second certified wood product must also be used as a minor element.  |
| 2012 NGBS 606.3                       | Materials used for major components are manufactured using a min. of 33% of the primary manufacturing process energy from renewable sources, combustible waste sources, or renewable energy credits (RECs).   | 2                          | Product must be used as a major component of the building.   |
| 2012 NGBS 608.1                       | Products containing fewer materials are used to achieve the same end use requirements.  | 3                          | At least 80% of structural composite lumber in the building is this product.   |
| 2012 NGBS 610.1.2.1                   | A product with improved environmental impact measures compared to another product is selected.  | 1                          | Points are awarded at 1 point per one percent of building material costs. Material cost breakdown to be verified and points adjusted to reflect actual percentage of all products from 14001 facilities. |
| 2012 NGBS 611.1                       | Product manufacturer's operations and environmental management practices are registered to ISO 14001.   | 2                          | Points are awarded at 1 point per one percent of building material costs. Material cost breakdown to be verified and points adjusted to reflect actual percentage of all products from 14001 facilities. |
| 2012 NGBS 901.4(2-6)                  | A minimum of 85% of material within a product group (i.e., wood structural panels, countertops, composite trim/doors, custom woodwork, and/or component closet shelving) is manufactured in accordance with the following. 10 points maximum awarded. | 4                          | A minimum of 85% of structural composite lumber in the building is this product.   |

| 2015 NATIONAL GREEN BUILDING STANDARD |   |                            |   |
|---------------------------------------|---|----------------------------|---|
| PRACTICE #                            | PRACTICE DESCRIPTION  | POTENTIAL POINTS AVAILABLE | ADDITIONAL CONDITIONS OF USE TO AWARD POINTS  |
| 2015 NGBS 601.2(2)                    | Higher-grade or higher strength of the same material than commonly specified for structural elements are used.  | 3                          | Product must be used as part of a system resulting in joist spacings at 24" OC or more or used as headers that have been designed and sized for the loads.  |
| 2015 NGBS 602.1.6                     | Termite-resistant materials are used in portions of the building. . .   | 6                          | To earn 6 points, all structural elements must be termite resistant in areas of heavy termite infestation. Lesser points available for less structure in lower infestation areas.                           |
| 2015 NGBS 606.1                       | Biobased products are used. 8 points maximum awarded.   | 6                          | To earn 6 points this product must be at least 1% of the construction material cost AND another biobased product, also at 1% of material cost, must be used. Lesser points are available at the 0.5% level. |
| 2015 NGBS 606.2(1)                    | A minimum of 2 wood or wood-based products used for minor elements are certified to the requirements of a recognized product program.   | 3                          | To earn 3 points, a second certified wood product must also be used as a minor element.   |
| 2015 NGBS 606.3                       | Materials used for major components are manufactured using a min. of 33% of the primary manufacturing process energy from renewable sources, combustible waste sources, or renewable energy credits (RECs). | 2                          | Product must be used as a major component of the building.  |
| 2015 NGBS 608.1(2)                    | Engineered wood products are used.  | 3                          | At least 80% of structural composite lumber in the building is this product.  |
| 2015 NGBS 610.1.2.1                   | A product with improved environmental impact measures compared to another product is selected.  | 1                          | Points are awarded at 1 point per one percent of building material costs. Material cost breakdown to be verified and points adjusted to reflect actual percentage of all products from 14001 facilities.    |

|                         |   |   |  |
|-------------------------|---|---|--|
| 2015 NGBS<br>611.1      | Product manufacturer's operations and environmental management practices are registered to ISO 14001.   | 2 | Points are awarded at 1 point per one percent of building material costs. Material cost breakdown to be verified and points adjusted to reflect actual percentage of all products from 14001 facilities. |
| 2015 NGBS<br>901.4(2-6) | A minimum of 85% of material within a product group (i.e., wood structural panels, countertops, composite trim/doors, custom woodwork, and/or component closet shelving) is manufactured in accordance with the following. 10 points maximum awarded. | 4 | A minimum of 85% of structural composite lumber in the building is this product.   |

| 2020 NATIONAL GREEN BUILDING STANDARD |   |                            |  |
|---------------------------------------|---|----------------------------|--|
| PRACTICE #                            | PRACTICE DESCRIPTION  | POTENTIAL POINTS AVAILABLE | ADDITIONAL CONDITIONS OF USE TO AWARD POINTS   |
| 2020 NGBS<br>601.2(2)                 | Higher-grade or higher strength of the same material than commonly specified for structural elements is used.             | 3                          | Product must be used as part of a system resulting in joist spacings at 24" OC or more or used as headers that have been designed and sized for the loads.   |
| 2020 NGBS<br>602.1.6                  | Termite-resistant materials are used in portions of the building.   | 2-6                        | To earn 6 points, all structural elements must be termite resistant and building must be located in areas of heavy termite infestation. Lesser points available for less structure in lower infestation areas. |
| 2020 NGBS<br>606.1(1-3)               | Biobased products are used. 8 points maximum awarded.   | 3, 6                       | To earn 6 points this product must be at least 1% of the construction material cost AND another biobased product, also at 1% of material cost, must be used. Lesser points are available at the 0.5% level.    |
| 2020 NGBS<br>606.2(1)                 | At least 2 responsible or certified wood-based products are used as minor components of the building. 3 points available. | 3                          | To earn 3 points, a second certified wood product must also be used as a minor element.  |

|                         |   |     |  |
|-------------------------|---|-----|--|
| 2020 NGBS<br>606.3      | Materials manufactured using =33% of the primary manufacturing process energy derived from renewable sources, combustible waste sources, or renewable energy credits are used as major components of the building. 2 points awarded per material; 6 points max. | 2   | Product must be used as a major component of the building.   |
| 2020 NGBS<br>608.1(2)   | Engineered wood or engineered steel products are used in place of conventional products. 3 points awarded per material.   | 3   | At least 80% of structural composite lumber in the building is this product.   |
| 2020 NGBS<br>610.1.2.1  | A product with improved environmental impact measures compared to another product(s) intended for the same use is selected. 2 points for product with 4 impact measures; 3 points for product with 5 impact measures. 10 points max.                            | 1   | Points are awarded at 1 point per one percent of building material costs. Material cost breakdown to be verified and points adjusted to reflect actual percentage of all products from 14001 facilities. |
| 2020 NGBS<br>612.1      | The aggregate value of building products from registered ISO 14001 or equivalent production facilities is =1% of the estimated total building materials cost. 1 point awarded per %; 10 points max.   | 2   | Points are awarded at 1 point per one percent of building material costs. Material cost breakdown to be verified and points adjusted to reflect actual percentage of all products from 14001 facilities. |
| 2020 NGBS<br>901.4(2-6) | A minimum of 85% of material within a product group (i.e., wood structural panels, countertops, composite trim/doors, custom woodwork, and/or component closet shelving) is manufactured in accordance with the following. 10 points maximum awarded.           | 2-4 | A minimum of 85% of structural composite lumber in the building is this product.   |