

BOOZERBEAM™

THE ORIGINAL

1.8E • 2400F_b

The classic BOOZERBEAM™ is made of the finest materials available. Each is built with the dedicated skill of our craftsmen and quality inspected by the American Institute of Timber Construction (AITC). We feel the beauty strength and durability of a BOOZERBEAM™ is unequaled by any other engineered wood product.

- Quality inspected by the American Institute of Timber Construction (AITC).
- Pound-for-pound stronger than steel I-beams.
- Available in architectural appearance grade for visually exposed applications. Absolutely beautiful!
- Less expensive than LVL & PSL.
- Exceptional value in cost vs. performance.
- Cambered to offset dead load deflection (optional).
- Individually wrapped with water resistant paper.
- Available in any length up to 52'.

1.8E BOOZERBEAM, is available in widths of 3 1/8" 5 1/8" 6 3/4" and 7" and depths that are compatible with I-joists, conventional framing and traditional glulam.

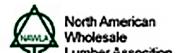
Please contact your nearest **BOOZERBEAM** dealer for sizes available in your market.



**HANDCRAFTED WITH PRIDE
IN THE U.S.A.**



American Institute
of
Timber Construction



North American
Wholesale
Lumber Association

BOOZERBEAM

HOLDS UP!

TABLE SP Boozer Special 24F 3-1/8 in

SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

FLOOR BEAMS

FLOOR LIVE LOAD

F_{bx} **F_{vx}** **E_x** **C_D** Deflection limit
2400 **190** **1.8** **1.00** Span / 360
psi **psi** **million** **for LIVE LOAD**
 psi

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

FLOOR LOAD FACTOR : 0.80

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bw} , has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance

in about 50% of the patients.

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load. Live load of 80%

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard tables.

* The values have been limited to reasonable capacities. Engineering calculations may allow for greater capacities.

While these capacity tables have been prepared in accordance with recognized engineering principles and are based on the most accurate

and reliable technical data available, these tables should not be used or relied upon for any general or specific application without competent professional examination and verification of their accuracy, suitability, and applicability by a licensed professional engineer, designer, or architect.

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TABLE Boozer Special 24F 3-1/8 in

SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

FLOOR BEAMS

FLOOR LIVE LOAD

Simple Span Beams

For Preliminary Design Purposes

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Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, $F_{b,allow}$, has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance

Live load of 80% of total load is used.

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load. Live load of 80%.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in stand

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January

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FLOOR BEAMS

FLOOR LIVE LOAD

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Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bv} , has been adjusted by the AITC volume factor, C_v .

For determination of load carrying capacities governed by shear loads within a distance

i) from the ends have been neglected.

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard tables.

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SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

ROOF BEAMS

SNOW LOAD

F_{bx} F_{vx} E_x C_p Deflection limit

2400 190 1.8 1.15 Span / 180

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

BEAM SIZE

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bw} , has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance

DEFLECTION LIMITS: For reef beams, deflection is limited to span/180 for total load.

DEFLECTION LIMITS. For footbeams, deflection is limited to span/160 for total load.

CONTROLLING VALUES: values marked with a D are controlled by deflection, B are bending controlled, and S are strain controlled. The following table lists the controlling values for each element type. This table is intended to give the user a quick reference for determining the controlling value for each element type.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard engineering equations to calculate deflection, bending and shear.

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Structural Glued Laminated Timber

ROOF BEAMS

SNOW LOAD

F_{bx} **F_{vx}** **E_x** **C_D** Deflection limit
2400 **190** **1.8** **1.15** Span / 180
psi **psi** **million** **for TOTAL LOAD**
 psi

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{Nv} , has been adjusted by the AITC volume factor, C_v .

For determination of load carrying capacities governed by shear loads within a distance

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load.

DEFLECTION LIMITS: For floor beams, deflection is limited to span/300 for live load.

CONTROLLING VALUES. Values marked with a D are controlled by deflection, B are bending controlled, and S are SPAN; Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard calculations.

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TABLE SP Boozer Special 24F 3-1/8 in

SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

ROOF BEAMS

SNOW LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

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Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per linear foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, $F_{b,allow}$, has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance "d" (the depth of the beam) from the ends have been neglected.

DEFLECTION LIMITS: For roof beams, deflection is limited to span/180 for total load.

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CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

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TABLE SP Boozer Special 24F 5-1/8 in

SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

FLOOR BEAMS

FLOOR LIVE LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

FLOOR LOAD FACTOR : 0.80

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bw} , has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance

in about 50% of the patients.

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load. Live load of 80%

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard tables.

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TABLE Boozer Special 24F 5-1/8 in

SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

FLOOR BEAMS

FLOOR LIVE LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

FLOOR LOAD FACTOR : 0.80

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bw} , has been adjusted by the AITC volume factor, C_V .

For determination of load-carrying capacities governed by shear, loads within a distance

in about 5000 Statutes.

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load. Live load of 80%.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standards.

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February,

TABLE SP Boozer Special 24F 5-1/8 in

SOUTHERN PINE

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Structural Glued Laminated Timber

FLOOR BEAMS

FLOOR LIVE LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

FLOOR LOAD FACTOR : 0.80

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Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, $F_{b,allow}$, has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance "d" (the depth of the beam) from the ends have been neglected.

For determination of load carrying capacities governed by shear, loads within a distance d (the depth of the beam) from the ends have a deflection limit of $\delta_{max} = d/260$.

DEFLECTION LIMITS: For floor beams, deflection is limited to 1/300 for live load. Live load of 80 % of total load is used.

CONTROLLING VALUES: values marked with a D are controlled by deflection; B are bending controlled, and S are strain controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard engineering equations to calculate deflection, bending and shear.

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February

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SOUTHERN PINE

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Structural Glued Laminated Timber

ROOF BEAMS

SNOW LOAD

F_{bx} F_{vy} E_x C_D Deflection limit

2400 190 1.8 1.15 Span / 180

2400 190 1.0
psi psi million

C_D Deflection limit

1.15 Span / 180

span / 100
for TOTAL LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per linear foot shown in the table.

DESIGN VALUE MODIFICATIONS. The following modifications are to be applied to the AISC values for G-

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bx} , has been adjusted by the AITC volume factor, C_v .

For determination of load carrying capacities governed by shear, loads within a distance

DEFLECTION LIMITS: For roof beams, deflection is limited to span /180 for total load.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard tables.

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Structural Glued Laminated Timber

ROOF BEAMS

SNOW LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

F_{bx} F_{vx} E_x C_D Deflection limit

2400 190 1.8 1.15 Span / 180

psi psi million for TOTAL LOAD

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, $F_{b,allow}$, has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance

DEFLECTION LIMITS: For floor beams, deflection is limited to span/260 for live load.

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard engineering equations to calculate deflection, bending and shear.

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Structural Glued Laminated Timber

ROOF BEAMS

SNOW LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bV} , has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance

DEFLECTION LIMITS: For roof beams, deflection is limited to $\frac{1}{180}$ of total load.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

CONTROLLING VALUES. Values marked with a B are controlled by deflection, B are bending controlled, and S are span. Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard tables.

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TABLE SP Boozer Special 6-3/4 in

SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

FLOOR BEAMS

FLOOR LIVE LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

FLOOR LOAD FACTOR : 0.80

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bw} , has been adjusted by the AITC volume factor, C_V .

For determination of load-carrying capacities governed by shear, loads within a distance

in about 62% of all mutations.

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load. Live load of 80%.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard tables.

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TABLE Boozer Special 6-3/4 in

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THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

FLOOR BEAMS

FLOOR LIVE LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

FLOOR LOAD FACTOR : 0.80

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bw} , has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance

in about 5000 Statutes.

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load. Live load of 80%.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

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Structural Glued Laminated Timber

FLOOR BEAMS

FLOOR LIVE LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

FLOOR LOAD FACTOR : 0.80

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Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bw} , has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance

i) live load of 80% of total load is used

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard tables.

* The values have been limited to reasonable capacities. Engineering calculations may allow for greater capacities.

While these capacity tables have been prepared in accordance with recognized engineering principles and are based on the most accurate

and reliable technical data available, these tables should not be used or relied upon for any general or specific application without competent

professional examination and verification of their accuracy, suitability, and applicability by a licensed professional engineer, designer, or architect.

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TABLE SP Boozer Special 6-3/4 in

SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

ROOF BEAMS

SNOW LOAD

F_{bx} F_{vx} E_x C_D Deflection limit

2400 psi 190 psi 1.8 million psi 1.15 Span / 180 for TOTAL LOAD

Simple Span Beams

Simple Span Beams For Preliminary Design Purposes

Lamination thickness: 1-3/8 in

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_{bw} , has been adjusted by the AITC volume factor, C_V .

For determination of load-carrying capacities governed by shear, loads within a distance " d " (the depth of the beam) from the ends have been neglected.

DEFLECTION LIMITS: Form of beams - deflection is limited to one-tenth total load.

DEFLECTION LIMITS: For roof beams, deflection is limited to span / 180 for total load.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard calculations.

* The values have been limited to reasonable capacities. Engineering calculations may allow for greater capacities.

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TABLE Boozer Special 6-3/4 in

SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

ROOF BEAMS

SNOW LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, $F_{b,allow}$, has been adjusted by the AITC volume factor, C_V .

For determination of load carrying capacities governed by shear, loads within a distance

DEFLECTION LIMITS: For floor beams, deflection is limited to span/360 for live load.

CONTROLLING VALUES: Values marked with a P are controlled by deflection, R are bending controlled, and S are shear controlled.

CONTROLLING VALUES: values marked with a D are controlled by deflection; B are bending controlled, and S are strain controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard engineering equations to calculate deflection, bending and shear.

* The values have been limited to reasonable capacities. Engineering calculations may allow for greater capacities.

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TABLE SP Boozer Special 6-3/4 in

SOUTHERN PINE

THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION

Structural Glued Laminated Timber

ROOF BEAMS

SNOW LOAD

Simple Span Beams

For Preliminary Design Purposes

Lamination thickness: 1-3/8 in.

TABLE SPECIFICATIONS: This table applies to straight, simply supported glued laminated timber beams under dry conditions of use.

Beams must be laterally supported at the top along the length of the beam and at the top and bottom at the ends.

The load carrying capacities tabulated are for total load including the weight of the member.

BEAM WEIGHT: 36.0 pounds per cubic foot was used to determine beam weight per lineal foot shown in the table.

DESIGN VALUE MODIFICATIONS: The allowable stress in bending, F_b , has been adjusted by the AITC volume factor, C_v .

For determination of load carrying capacities governed by shear, loads within a distance "d" (the depth of the beam) from the ends have been neglected.

DEFLECTION LIMITS: Form of beam - deflection is limited to span / 100 for total load.

DEFLECTION LIMITS: For roof beams, deflection is limited to span /180 for total load.

CONTROLLING VALUES: Values marked with a D are controlled by deflection, B are bending controlled, and S are shear controlled.

SPAN: Span is defined as the length from centerline to centerline of bearing. This span is the length used in standard tables.

* The values have been limited to reasonable capacities. Engineering calculations may allow for greater capacities.

While these capacity tables have been prepared in accordance with recognized engineering principles and are based on the most accurate

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