

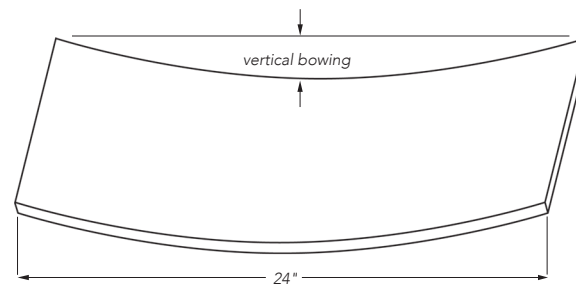
LINEAR SOLID WOOD CEILINGS

Rectangular boards oriented horizontally.

WOOD SIZE TOLERANCE BY CISCA STANDARDS

Board length	$\pm 0.062"$ (1/16")
Board width	$\pm 0.062"$ (1/16")
Board thickness	$\pm 0.062"$ (1/16")
Linear Reveal Width (Factory Assembled Panels)	$\pm 0.062"$ (1/16")
Bowing (up or down in 24") (A)	$\leq 0.062"$ (1/16")
Crook (deviation in 24")	$\leq 0.062"$ (1/16")
Cupping (6" wide board)	$\pm 0.031"$ (1/32")
Board end squareness	$\pm 0.25"$ (1/4")

(A) = Supported on 24" centers



LINEAR WOOD VENEER CEILINGS

Rectangular boards oriented horizontally.

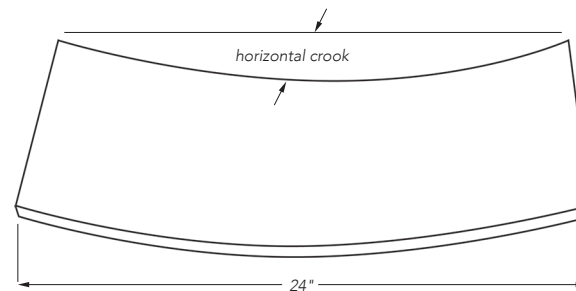
WOOD SIZE TOLERANCE BY CISCA STANDARDS

Board length	$\pm 0.062"$ (1/16")
Board width	$\pm 0.062"$ (1/16")
Board thickness	$\pm 0.031"$ (1/32")
Linear Reveal Width (D)	$\leq 0.062"$ (1/16")
Bowing (upward in 24") (E)	$\leq 0.062"$ (1/16")
Crook (deviation in 24")	$\pm 0.062"$ (1/16")
Cupping (6" wide board)	$\pm 0.031"$ (1/32")
Board end squareness	$\pm 0.25"$ (1/4")

(D) = Factory assembled panels

(E) = Supported on 24" centers

Note: Boards require balanced construction on back



NOTES

1. All dimensions are shown for reference and will have to be modified for field installation.
2. Fixtures to be hung independently from ceiling support system. Fixtures may include but are not limited to: light fixtures, HVAC diffusers, sprinkler heads and/or piping, speakers, security cameras, components, etc.
3. Utilize the use of cut-offs where appropriate - product quantities based on partial products being used.
4. Contractor to follow CISCA guidelines for hanging grid system. Our ceilings are heavier than typical ceiling products. Main grid "T" recommended at 2'-0" on center.
5. Norton follows CISCA Wood Ceiling Technical Guidelines for manufacturing tolerances.
6. Our wood ceiling reflected plans will include penetrations of limited light fixtures and HVAC registers only when the size of the wood is impacted. Other penetrations, including but not limited to sprinklers, security cameras, audio-visual, etc. will not be included in our drawing set due to the fact that we will not claim understanding and liability of placement or code requirement.
7. Ceiling fixtures shown for reference only - lights and mechanical elements by others.
8. See Product Master Sheets for edge condition details.
9. All products should be reviewed before installation to avoid undesirable visual pattern because of natural color and grain variations.
10. All products field cut must be sealed with a clear sealer, or stained then sealed.

Minor Dimensional variations are to be expected.

Dimensions are to be field verified prior to fabrication. Changes in dimensions may result in quantity adjustments.

Closet stock and spares are not included and must be added to quantity shown if needed.

Refer to drawings for installation details.

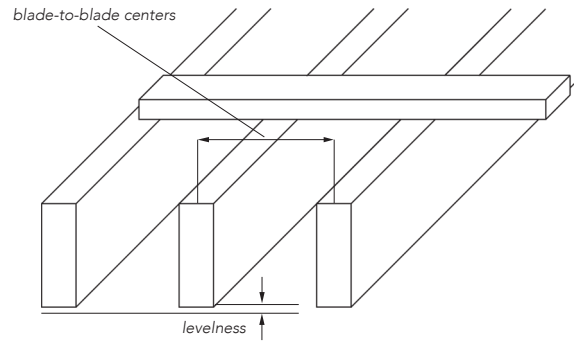
SOLID WOOD PANEL GRILLE CEILINGS

Rectangular Boards oriented vertically Assembled with dowels or wood backers. Blade depth up to 3.5".
(See baffle for blade depth greater than 3.5".)

WOOD SIZE TOLERANCE BY CISCA STANDARDS

Blade length	± 0.062" (1/16")
Blade width/height	± 0.062" (1/16")
Bowing (restrained), in 48"	≤ 0.125" (1/8")
Cupping (restrained), in 48"	≤ 0.031" (1/32")
Blade Crook, in 48"	± 0.125" (1/8")
Blade-to-Blade Levelness (B)	± 0.062" (1/16")
Overall Blade Levelness	± 0.062" (1/16")
Blade-to-Blade End Alignment	± 0.062" (1/16")
Blade-to-Blade Centers	± 0.062" (1/16")
Dowel/Wood Backer Spacing	± 0.062" (1/16")
Dowel-to-hole Clearance	± 0.031" (1/32")

(B) = Not accumulative



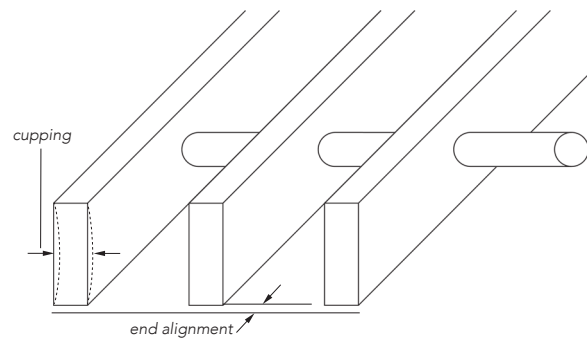
WOOD VENEER BAFFLE CEILINGS

Rectangular Boards oriented vertically. Blade depth greater than 3.5".

WOOD SIZE TOLERANCE BY CISCA STANDARDS

Blade length	± 0.062" (1/16")
Blade width/height	± 0.031" (1/32")
Cupping (restrained) (F)	≤ 0.031" (1/32")
Blade Crook, in 24"	± 0.062" (1/16")
Blade-to-Blade Centers	± 0.062" (1/16")
Blade-to-Blade Levelness	± 0.062" (1/16")
Blade-to-Blade End Alignment	± 0.062" (1/16")

(F) = Per 6" high blade



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3. Utilize the use of cut-offs where appropriate - product quantities based on partial products being used.
4. Contractor to follow CISCA guidelines for hanging grid system. Our ceilings are heavier than typical ceiling products. Main grid "T" recommended at 2'-0" on center.
5. Norton follows CISCA Wood Ceiling Technical Guidelines for manufacturing tolerances.
6. Our wood ceiling reflected plans will include penetrations of limited light fixtures and HVAC registers only when the size of the wood is impacted. Other penetrations, including but not limited to sprinklers, security cameras, audio-visual, etc. will not be included in our drawing set due to the fact that we will not claim understanding and liability of placement or code requirement.
7. Ceiling fixtures shown for reference only - lights and mechanical elements by others.
8. See Product Master Sheets for edge condition details.
9. All products should be reviewed before installation to avoid undesirable visual pattern because of natural color and grain variations.
10. All products field cut must be sealed with a clear sealer, or stained then sealed.

Minor Dimensional variations are to be expected.

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Closest stock and spares are not included and must be added to quantity shown if needed.

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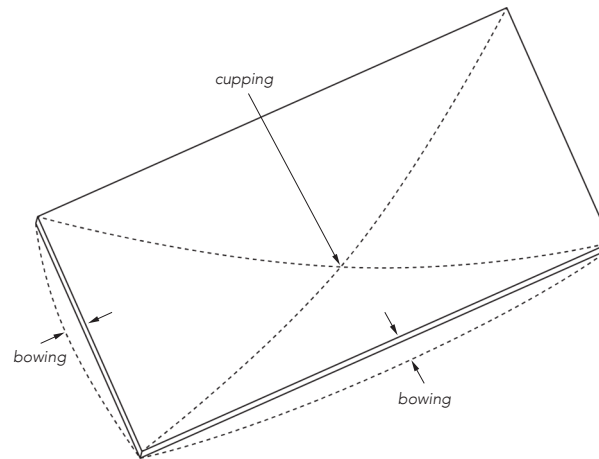
WOOD VENEER CEILING PANELS

Square or rectangular boards oriented horizontally. Includes independently suspended and lay-in panels.

WOOD SIZE TOLERANCE BY CISCA STANDARDS

Panel width/length	$\pm 0.062"$ (1/16")
Panel thickness	$\pm 0.031"$ (1/32")
Panel squareness	
Diagonals up to 60"	$\pm 0.062"$ (1/16")
Diagonals over 60" up to 120"	$\pm 0.125"$ (1/8")
Cupping (deviation from flatness)	
At midpoint, diagonal to 60"	$\pm 0.125"$ (1/8")
At midpoint, diagonal over 60"	$\pm 0.187"$ (3/16")
Bowing (along edge)	
Along length up to 24"	$\pm 0.062"$ (1/16")
Along length 24" to 48"	$\pm 0.125"$ (1/8")
Along length 48" to 96"	$\pm 0.187"$ (3/16")
Panel to panel stepping (G)	$\pm 0.062"$ (1/16")

(G) = Installed allowance between panels



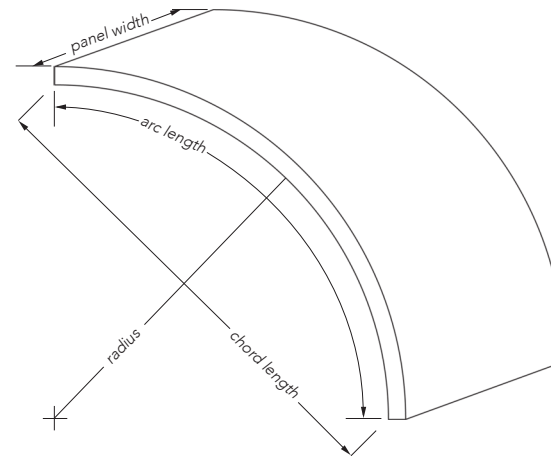
CURVED WOOD CEILING PANELS

Panels furnished curved in one direction.

WOOD SIZE TOLERANCE BY CISCA STANDARDS

Panel width (up to 48" wide)	$\pm 0.062"$ (1/16")
Arc length	(H)
Chord length	(H)

(H) = Tolerances should be agreed upon between the manufacturer and the specifier during specification process



NOTES

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3. Utilize the use of cut-offs where appropriate - product quantities based on partial products being used.
4. Contractor to follow CISCA guidelines for hanging grid system. Our ceilings are heavier than typical ceiling products. Main grid "T" recommended at 2'-0" on center.
5. Norton follows CISCA Wood Ceiling Technical Guidelines for manufacturing tolerances.
6. Our wood ceiling reflected plans will include penetrations of limited light fixtures and HVAC registers only when the size of the wood is impacted. Other penetrations, including but not limited to sprinklers, security cameras, audio-visual, etc. will not be included in our drawing set due to the fact that we will not claim understanding and liability of placement or code requirement.
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8. See Product Master Sheets for edge condition details.
9. All products should be reviewed before installation to avoid undesirable visual pattern because of natural color and grain variations.
10. All products field cut must be sealed with a clear sealer, or stained then sealed.

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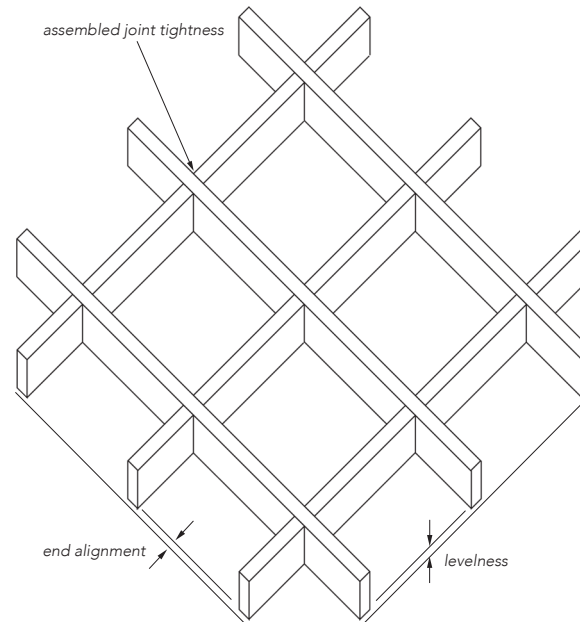
OPEN CELL WOOD CEILINGS

Vertically oriented blades running in two directions creating cells.

WOOD SIZE TOLERANCE BY CISCA STANDARDS

Blade length	$\pm 0.062"$ (1/16")
Blade width/height	$\pm 0.062"$ (1/16")
Blade Crook, in 24"	$\pm 0.031"$ (1/32")
Blade-to-Blade Levelness	$\pm 0.031"$ (1/32")
Assembled Joint Tightness	$\pm 0.031"$ (1/32")
Blade End Alignment	$\pm 0.062"$ (1/16")
Panel-to-Panel elevation (C)	$\pm 0.062"$ (1/16")

(C) = Continuous open-cell systems



NOTES

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Minor Dimensional variations are to be expected.

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Closet stock and spares are not included and must be added to quantity shown if needed.

Refer to drawings for installation details.