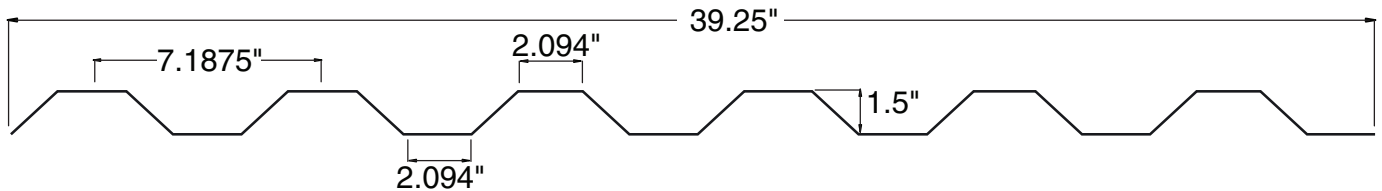


7.2 x 1½ BOX RIB

PROFILE #: 455



455GP | 8oz. General Purpose

TABLES BELOW IN FEET AND INCHES ONLY

| | | | | | | | | | | | | | | | | |
|--------------------------------|--|---|--------|---------|--------|--------|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING: POSITIVE LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | | | | | 45 to 1 Deflection Limit Ratio (L/D) | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Panel Strength = 15,000 psi | | | | | | Flexural Modulus = 1,000,000 psi | | | | | | | | |
| General Purpose | | 20 psf | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| 8.0 oz./sq. ft. | | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Generic: 455GP | | | | | | | | | | | | | | | | |
| Stress Limit | | 8'-3" | 8'-3" | 9'-3" | 6'-9" | 6'-9" | 7'-7" | 5'-10" | 5'-10" | 6'-7" | 5'-3" | 5'-3" | 5'-10" | 4'-9" | 4'-9" | 5'-4" |
| Deflection Limit | | 5'-5" | 7'-3" | 6'-8" | 4'-9" | 6'-4" | 5'-10" | 4'-3" | 5'-9" | 5'-4" | 4'-0" | 5'-4" | 4'-11" | 3'-9" | 5'-0" | 4'-8" |

Generic: 455GP

| | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--------|---------|--------|--------|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING/SIDING: WIND LOADS | | LIMITING CRITERIA: 1.88 to 1 Safety Factor | | | | | | 20 to 1 Deflection Limit Ratio (L/D) | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Panel Strength = 15,000 psi | | | | | | Flexural Modulus = 1,000,000 psi | | | | | | | | |
| General Purpose | | 20 psf | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| 8.0 oz./sq. ft. | | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Generic: 455GP | | | | | | | | | | | | | | | | |
| Stress Limit | | 9'-7" | 9'-7" | 10'-8" | 7'-10" | 7'-10" | 8'-9" | 6'-9" | 6'-9" | 7'-7" | 6'-1" | 6'-1" | 6'-9" | 5'-6" | 5'-6" | 6'-2" |
| Deflection Limit | | 7'-1" | 9'-6" | 8'-9" | 6'-2" | 8'-4" | 7'-8" | 5'-7" | 7'-6" | 6'-11" | 5'-3" | 7'-0" | 6'-5" | 4'-11" | 6'-7" | 6'-1" |

455DL | 8oz. Duralite

TABLES BELOW IN FEET AND INCHES ONLY

| | | | | | | | | | | | | | | | | |
|--------------------------------|--|---|--------|---------|--------|--------|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING: POSITIVE LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | | | | | 45 to 1 Deflection Limit Ratio (L/D) | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Panel Strength = 15,000 psi | | | | | | Flexural Modulus = 1,000,000 psi | | | | | | | | |
| Duralite | | 20 psf | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| 8.0 oz./sq. ft. | | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Generic: 455DL | | | | | | | | | | | | | | | | |
| Stress Limit | | 8'-3" | 8'-3" | 9'-3" | 6'-9" | 6'-9" | 7'-6" | 5'-10" | 5'-10" | 6'-6" | 5'-3" | 5'-10" | 4'-9" | 4'-9" | 5'-4" | |
| Deflection Limit | | 5'-5" | 7'-3" | 6'-8" | 4'-9" | 6'-4" | 5'-10" | 4'-3" | 5'-9" | 5'-3" | 4'-0" | 5'-4" | 4'-11" | 3'-9" | 5'-0" | 4'-7" |

Generic: 455DL

| | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--------|---------|--------|--------|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING/SIDING: WIND LOADS | | LIMITING CRITERIA: 1.88 to 1 Safety Factor | | | | | | 20 to 1 Deflection Limit Ratio (L/D) | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Panel Strength = 15,000 psi | | | | | | Flexural Modulus = 1,000,000 psi | | | | | | | | |
| Duralite | | 20 psf | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| 8.0 oz./sq. ft. | | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Generic: 455DL | | | | | | | | | | | | | | | | |
| Stress Limit | | 9'-6" | 9'-6" | 10'-8" | 7'-9" | 7'-9" | 8'-8" | 6'-9" | 6'-9" | 7'-6" | 6'-0" | 6'-9" | 5'-6" | 5'-6" | 6'-2" | |
| Deflection Limit | | 7'-1" | 9'-6" | 8'-9" | 6'-2" | 8'-3" | 7'-7" | 5'-7" | 7'-6" | 6'-11" | 5'-2" | 7'-0" | 6'-5" | 4'-11" | 6'-7" | 6'-1" |

455DL | 12oz. Duralite

TABLES BELOW IN FEET AND INCHES ONLY

| | | | | | | | | | | | | | | | | |
|--------------------------------|--|---|--------|---------|--------|--------|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING: POSITIVE LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | | | | | 45 to 1 Deflection Limit Ratio (L/D) | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Panel Strength = 15,000 psi | | | | | | Flexural Modulus = 1,000,000 psi | | | | | | | | |
| Duralite | | 20 psf | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| 12.0 oz./sq. ft. | | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Generic: 455DL | | | | | | | | | | | | | | | | |
| Stress Limit | | 10'-0" | 10'-0" | 11'-2" | 8'-2" | 8'-2" | 9'-2" | 7'-1" | 7'-1" | 7'-11" | 6'-4" | 6'-4" | 7'-1" | 5'-9" | 5'-9" | 6'-6" |
| Deflection Limit | | 6'-2" | 8'-3" | 7'-7" | 5'-5" | 7'-3" | 6'-8" | 4'-11" | 6'-7" | 6'-1" | 4'-7" | 6'-1" | 5'-7" | 4'-3" | 5'-9" | 5'-3" |

Generic: 455DL

| | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|---------|---------|--------|--------|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING/SIDING: WIND LOADS | | LIMITING CRITERIA: 1.88 to 1 Safety Factor | | | | | | 20 to 1 Deflection Limit Ratio (L/D) | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Panel Strength = 15,000 psi | | | | | | Flexural Modulus = 1,000,000 psi | | | | | | | | |
| Duralite | | 20 psf | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| 12.0 oz./sq. ft. | | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Generic: 455DL | | | | | | | | | | | | | | | | |
| Stress Limit | | 11'-7" | 11'-7" | 12'-11" | 9'-5" | 9'-5" | 10'-7" | 8'-2" | 8'-2" | 9'-2" | 7'-4" | 7'-4" | 8'-2" | 6'-8" | 6'-8" | 7'-6" |
| Deflection Limit | | 8'-1" | 10'-10" | 10'-0" | 7'-1" | 9'-6" | 8'-9" | 6'-5" | 8'-7" | 7'-11" | 5'-11" | 8'-0" | 7'-4" | 5'-7" | 7'-6" | 6'-11" |

455STW | 12oz. SunStrong High Strength

TABLES BELOW IN FEET AND INCHES ONLY

| | | | | | | | | | | | | | | | |
|---|--------|---|---------|--------|--------|---------|--------|--------------------------------------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING: POSITIVE LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | | | | | 45 to 1 Deflection Limit Ratio (L/D) | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Panel Strength = 25,000 psi | | | | | | Flexural Modulus = 900,000 psi | | | | | | | |
| SunStrong - Profiled High Strength | | | | | | | | | | | | | | | |
| 12.0 oz./sq. ft. | | | | | | | | | | | | | | | |
| Generic: 455STW | | | | | | | | | | | | | | | |
| | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Stress Limit | 13'-1" | 13'-1" | 14'-7" | 10'-8" | 10'-8" | 11'-11" | 9'-3" | 9'-3" | 10'-4" | 8'-3" | 8'-3" | 9'-3" | 7'-6" | 7'-6" | 8'-5" |
| Deflection Limit | 6'-0" | 8'-0" | 7'-5" | 5'-3" | 7'-0" | 6'-6" | 4'-9" | 6'-4" | 5'-10" | 4'-5" | 5'-11" | 5'-5" | 4'-2" | 5'-7" | 5'-2" |

Generic: 455STW

| | | | | | | | | | | | | | | | |
|---|--------|--|---------|--------|--------|---------|--------|--------------------------------------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING/SIDING: WIND LOADS | | LIMITING CRITERIA: 1.88 to 1 Safety Factor | | | | | | 20 to 1 Deflection Limit Ratio (L/D) | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Panel Strength = 25,000 psi | | | | | | Flexural Modulus = 900,000 psi | | | | | | | |
| SunStrong - Profiled High Strength | | | | | | | | | | | | | | | |
| 12.0 oz./sq. ft. | | | | | | | | | | | | | | | |
| Generic: 455STW | | | | | | | | | | | | | | | |
| | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Stress Limit | 15'-1" | 15'-1" | 16'-10" | 12'-3" | 12'-3" | 13'-9" | 10'-8" | 10'-8" | 11'-11" | 9'-6" | 9'-6" | 10'-8" | 8'-8" | 8'-8" | 9'-9" |
| Deflection Limit | 7'-10" | 10'-6" | 9'-8" | 6'-10" | 9'-2" | 8'-6" | 6'-3" | 8'-4" | 7'-8" | 5'-9" | 7'-9" | 7'-2" | 5'-5" | 7'-4" | 6'-9" |

455IFW | 16oz. IsoTuf High Strength

TABLES BELOW IN FEET AND INCHES ONLY

| | | | | | | | | | | | | | | | |
|--------------------------------|--------|---|---------|--------|--------|---------|--------|--------------------------------------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING: POSITIVE LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | | | | | 45 to 1 Deflection Limit Ratio (L/D) | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 27,000 psi | | | | | | Flexural Modulus = 760,000 psi | | | | | | | |
| IsoTuf High - Strength | | | | | | | | | | | | | | | |
| 16.0 oz./sq. ft. | | | | | | | | | | | | | | | |
| Generic: 455IFW | | | | | | | | | | | | | | | |
| | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Stress Limit | 14'-9" | 14'-9" | 16'-5" | 12'-0" | 12'-0" | 13'-5" | 10'-5" | 10'-5" | 11'-8" | 9'-4" | 9'-4" | 10'-5" | 8'-6" | 8'-6" | 9'-6" |
| Deflection Limit | 6'-0" | 8'-0" | 7'-5" | 5'-3" | 7'-0" | 6'-6" | 4'-9" | 6'-5" | 5'-11" | 4'-5" | 5'-11" | 5'-5" | 4'-2" | 5'-7" | 5'-2" |

| | | | | | | | | | | | | | | | |
|-----------------------------------|--------|---|---------|--------|--------|---------|--------|--------------------------------------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING/SIDING: WIND LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | | | | | 20 to 1 Deflection Limit Ratio (L/D) | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 27,000 psi | | | | | | Flexural Modulus = 760,000 psi | | | | | | | |
| IsoTuf High - Strength | | | | | | | | | | | | | | | |
| 16.0 oz./sq. ft. | | | | | | | | | | | | | | | |
| Generic: 455IFW | | | | | | | | | | | | | | | |
| | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Stress Limit | 14'-9" | 14'-9" | 16'-5" | 12'-0" | 12'-0" | 13'-5" | 10'-5" | 10'-5" | 11'-8" | 9'-4" | 9'-4" | 10'-5" | 8'-6" | 8'-6" | 9'-6" |
| Deflection Limit | 7'-10" | 10'-6" | 9'-8" | 6'-10" | 9'-2" | 8'-6" | 6'-3" | 8'-4" | 7'-8" | 5'-9" | 7'-9" | 7'-2" | 5'-5" | 7'-4" | 6'-9" |

455CTA | 12oz. Cooling Tower Fire Rated

TABLES BELOW IN FEET AND INCHES ONLY

| | | | | | | | | | | | | | | | |
|----------------------------------|--------|---|---------|--------|--------|---------|--------|--------------------------------------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING: POSITIVE LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | | | | | 45 to 1 Deflection Limit Ratio (L/D) | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 10,000 psi | | | | | | Flexural Modulus = 450,000 psi | | | | | | | |
| Cooling Tower - Firerated | | | | | | | | | | | | | | | |
| 12.0 oz./sq. ft. | | | | | | | | | | | | | | | |
| Generic: 455CTA | | | | | | | | | | | | | | | |
| | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Stress Limit | 7'-5" | 7'-5" | 8'-3" | 6'-1" | 6'-1" | 6'-9" | 5'-3" | 5'-3" | 5'-10" | 4'-8" | 4'-8" | 5'-3" | 4'-3" | 4'-3" | 4'-9" |
| Deflection Limit | 4'-5" | 5'-11" | 5'-5" | 3'-10" | 5'-2" | 4'-9" | 3'-6" | 4'-8" | 4'-4" | 3'-3" | 4'-4" | 4'-0" | 3'-1" | 4'-1" | 3'-9" |

| | | | | | | | | | | | | | | | |
|-----------------------------------|--------|---|---------|--------|--------|---------|--------|--------------------------------------|---------|--------|--------|---------|--------|--------|---------|
| ROOFING/SIDING: WIND LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | | | | | 20 to 1 Deflection Limit Ratio (L/D) | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 10,000 psi | | | | | | Flexural Modulus = 450,000 psi | | | | | | | |
| Cooling Tower - Firerated | | | | | | | | | | | | | | | |
| 12.0 oz./sq. ft. | | | | | | | | | | | | | | | |
| Generic: 455CTA | | | | | | | | | | | | | | | |
| | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN |
| Stress Limit | 7'-5" | 7'-5" | 8'-3" | 6'-1" | 6'-1" | 6'-9" | 5'-3" | 5'-3" | 5'-10" | 4'-8" | 4'-8" | 5'-3" | 4'-3" | 4'-3" | 4'-9" |
| Deflection Limit | 5'-9" | 7'-9" | 7'-2" | 5'-1" | 6'-9" | 6'-3" | 4'-7" | 6'-2" | 5'-8" | 4'-3" | 5'-8" | 5'-3" | 4'-0" | 5'-4" | 4'-11" |

455CTA | 16oz. Cooling Tower Fire Rated

TABLES BELOW IN FEET AND INCHES ONLY

| | | | | | | | | | | | | | | | | |
|--------------------------------|--------|---|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|-------|
| ROOFING: POSITIVE LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | 45 to 1 Deflection Limit Ratio (L/D) | | | | | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 10,000 psi | | Flexural Modulus = 450,000 psi | | | | | | | | | | | | |
| Cooling Tower - Firerated | | | | | | | | | | | | | | | | |
| 16.0 oz./sq. ft. | | | | | | | | | | | | | | | | |
| Generic: 455CTA | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | |
| Stress Limit | | 8'-6" | 8'-6" | 9'-6" | 6'-11" | 6'-11" | 7'-9" | 6'-0" | 6'-0" | 6'-9" | 5'-4" | 5'-4" | 6'-0" | 4'-11" | 4'-11" | 5'-6" |
| Deflection Limit | | 4'-10" | 6'-6" | 6'-0" | 4'-3" | 5'-8" | 5'-3" | 3'-10" | 5'-2" | 4'-9" | 3'-7" | 4'-9" | 4'-5" | 3'-4" | 4'-6" | 4'-2" |

| | | | | | | | | | | | | | | | | |
|-----------------------------------|--------|---|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|-------|
| ROOFING/SIDING: WIND LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | 20 to 1 Deflection Limit Ratio (L/D) | | | | | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 10,000 psi | | Flexural Modulus = 450,000 psi | | | | | | | | | | | | |
| Cooling Tower - Firerated | | | | | | | | | | | | | | | | |
| 16.0 oz./sq. ft. | | | | | | | | | | | | | | | | |
| Generic: 455CTA | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | |
| Stress Limit | | 8'-6" | 8'-6" | 9'-6" | 6'-11" | 6'-11" | 7'-9" | 6'-0" | 6'-0" | 6'-9" | 5'-4" | 5'-4" | 6'-0" | 4'-11" | 4'-11" | 5'-6" |
| Deflection Limit | | 6'-4" | 8'-6" | 7'-10" | 5'-7" | 7'-5" | 6'-10" | 5'-1" | 6'-9" | 6'-3" | 4'-8" | 6'-3" | 5'-9" | 4'-5" | 5'-11" | 5'-5" |

455CTN | 12oz. Cooling Tower Fire Rated

TABLES BELOW IN FEET AND INCHES ONLY

| | | | | | | | | | | | | | | | | |
|--------------------------------|--------|---|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|-------|
| ROOFING: POSITIVE LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | 45 to 1 Deflection Limit Ratio (L/D) | | | | | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 10,000 psi | | Flexural Modulus = 450,000 psi | | | | | | | | | | | | |
| Cooling Tower - Firerated | | | | | | | | | | | | | | | | |
| 12.0 oz./sq. ft. | | | | | | | | | | | | | | | | |
| Generic: 455CTA | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | |
| Stress Limit | | 7'-5" | 7'-5" | 8'-3" | 6'-1" | 6'-1" | 6'-9" | 5'-3" | 5'-3" | 5'-10" | 4'-8" | 4'-8" | 5'-3" | 4'-3" | 4'-3" | 4'-9" |
| Deflection Limit | | 4'-5" | 5'-11" | 5'-5" | 3'-10" | 5'-2" | 4'-9" | 3'-6" | 4'-8" | 4'-4" | 3'-3" | 4'-4" | 4'-0" | 3'-1" | 4'-11" | 3'-9" |

| | | | | | | | | | | | | | | | | |
|-----------------------------------|--------|---|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|--------|
| ROOFING/SIDING: WIND LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | 20 to 1 Deflection Limit Ratio (L/D) | | | | | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 10,000 psi | | Flexural Modulus = 450,000 psi | | | | | | | | | | | | |
| Cooling Tower - Firerated | | | | | | | | | | | | | | | | |
| 12.0 oz./sq. ft. | | | | | | | | | | | | | | | | |
| Generic: 455CTA | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | |
| Stress Limit | | 7'-5" | 7'-5" | 8'-3" | 6'-1" | 6'-1" | 6'-9" | 5'-3" | 5'-3" | 5'-10" | 4'-8" | 4'-8" | 5'-3" | 4'-3" | 4'-3" | 4'-9" |
| Deflection Limit | | 5'-9" | 7'-9" | 7'-2" | 5'-1" | 6'-9" | 6'-3" | 4'-7" | 6'-2" | 5'-8" | 4'-3" | 5'-8" | 5'-3" | 4'-0" | 5'-4" | 4'-11" |

455CTN | 16oz. Cooling Tower Fire Rated

TABLES BELOW IN FEET AND INCHES ONLY

| | | | | | | | | | | | | | | | | |
|--------------------------------|--------|---|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|-------|
| ROOFING: POSITIVE LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | 45 to 1 Deflection Limit Ratio (L/D) | | | | | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 10,000 psi | | Flexural Modulus = 600,000 psi | | | | | | | | | | | | |
| Cooling Tower - NonFirerated | | | | | | | | | | | | | | | | |
| 16.0 oz./sq. ft. | | | | | | | | | | | | | | | | |
| Generic: 455CTN | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | |
| Stress Limit | | 8'-5" | 8'-5" | 9'-5" | 6'-11" | 6'-11" | 7'-8" | 5'-11" | 5'-11" | 6'-8" | 5'-4" | 5'-4" | 5'-11" | 4'-10" | 4'-10" | 5'-5" |
| Deflection Limit | | 5'-4" | 7'-1" | 6'-7" | 4'-8" | 6'-3" | 5'-9" | 4'-3" | 5'-8" | 5'-2" | 3'-11" | 5'-3" | 4'-10" | 3'-8" | 4'-11" | 4'-7" |

| | | | | | | | | | | | | | | | | |
|-----------------------------------|--------|---|---------|--------------------------------------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|-------|
| ROOFING/SIDING: WIND LOADS | | LIMITING CRITERIA: 2.5 to 1 Safety Factor | | 20 to 1 Deflection Limit Ratio (L/D) | | | | | | | | | | | | |
| Panel Description: 7.2 x 1-1/2 | | Tensile Strength = 10,000 psi | | Flexural Modulus = 600,000 psi | | | | | | | | | | | | |
| Cooling Tower - NonFirerated | | | | | | | | | | | | | | | | |
| 16.0 oz./sq. ft. | | | | | | | | | | | | | | | | |
| Generic: 455CTN | 20 psf | | | 30 psf | | | 40 psf | | | 50 psf | | | 60 psf | | | |
| | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | 1 SPAN | 2 SPAN | 3+ SPAN | |
| Stress Limit | | 8'-5" | 8'-5" | 9'-5" | 6'-11" | 6'-11" | 7'-8" | 5'-11" | 5'-11" | 6'-8" | 5'-4" | 5'-4" | 5'-11" | 4'-10" | 4'-10" | 5'-5" |
| Deflection Limit | | 7'-0" | 9'-4" | 8'-7" | 6'-1" | 8'-2" | 7'-6" | 5'-6" | 7'-5" | 6'-10" | 5'-2" | 6'-10" | 6'-4" | 4'-10" | 6'-6" | 6'-0" |

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