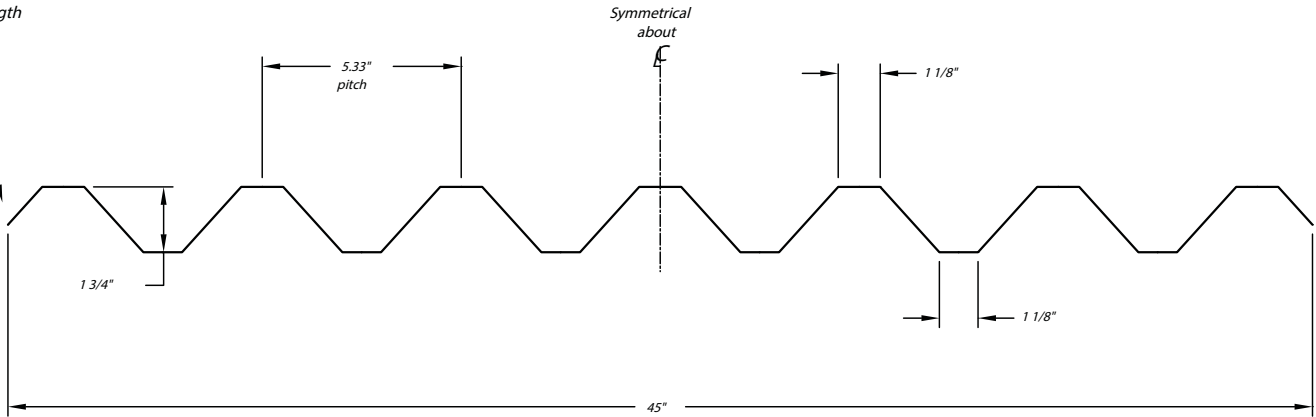


PROFILE #041 5.33 x 1-3/4 V-Beam

Trim leg same length on both sides



041CTN | 8oz. Cooling Tower Non-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: 5.33" x 1 3/4" V Beam		Panel Strength = 25000 psi						Flexural Modulus = 600000 psi								
Cooling Tower - NonFirerated																
8 oz./sq. ft.		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		9'-4"	9'-4"	10'-6"	7'-8"	7'-8"	8'-7"	6'-8"	6'-8"	7'-5"	5'-11"	5'-11"	6'-8"	5'-5"	5'-5"	6'-1"
Deflection Limit		4'-5"	5'-10"	5'-5"	3'-10"	5'-1"	4'-9"	3'-6"	4'-8"	4'-3"	3'-3"	4'-4"	4'-0"	3'-0"	4'-1"	3'-9"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 5.33" x 1 3/4" V Beam		Panel Strength = 25000 psi						Flexural Modulus = 600000 psi								
Cooling Tower - NonFirerated																
8 oz./sq. ft.		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		10'-10"	10'-10"	12'-1"	8'-10"	8'-10"	9'-10"	7'-8"	7'-8"	8'-7"	6'-10"	6'-10"	7'-8"	6'-3"	6'-3"	7'-0"
Deflection Limit		5'-9"	7'-8"	7'-1"	5'-0"	6'-9"	6'-2"	4'-7"	6'-1"	5'-7"	4'-3"	5'-8"	5'-3"	4'-0"	5'-4"	4'-11"

041CTN | 12oz. Cooling Tower Non-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: 5.33" x 1 3/4" V Beam		Panel Strength = 25000 psi						Flexural Modulus = 600000 psi								
Cooling Tower - NonFirerated																
12 oz./sq. ft.		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		11'-5"	11'-5"	12'-9"	9'-4"	9'-4"	10'-5"	8'-1"	8'-1"	9'-0"	7'-3"	7'-3"	8'-1"	6'-7"	6'-7"	7'-4"
Deflection Limit		5'-0"	6'-9"	6'-2"	4'-5"	5'-10"	5'-5"	4'-0"	5'-4"	4'-11"	3'-8"	4'-11"	4'-7"	3'-6"	4'-8"	4'-3"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 5.33" x 1 3/4" V Beam		Panel Strength = 25000 psi						Flexural Modulus = 600000 psi								
Cooling Tower - NonFirerated																
12 oz./sq. ft.		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'-2"	13'-2"	14'-9"	10'-9"	10'-9"	12'-0"	9'-4"	9'-4"	10'-5"	8'-4"	8'-4"	9'-4"	7'-7"	7'-7"	8'-6"
Deflection Limit		6'-7"	8'-10"	8'-1"	5'-9"	7'-8"	7'-1"	5'-3"	7'-0"	6'-5"	4'-10"	6'-6"	6'-0"	4'-7"	6'-1"	5'-7"





041CTN | 16oz. Cooling Tower Non-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: 5.33" x 1 3/4" V Beam		Panel Strength = 25000 psi						Flexural Modulus = 600000 psi											
Cooling Tower - NonFired																			
16 oz./sq. ft.		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'-8"	10'-9"	10'-9"	12'-0"	9'-3"	9'-3"	10'-4"	8'-4"	8'-4"	9'-3"	7'-7"	7'-7"	8'-6"			
Deflection Limit		5'-6"	7'-5"	6'-10"	4'-10"	6'-5"	5'-11"	4'-5"	5'-10"	5'-5"	4'-1"	5'-5"	5'-0"	3'-10"	5'-1"	4'-9"			

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)											
Panel Description: 5.33" x 1 3/4" V Beam		Panel Strength = 25000 psi						Flexural Modulus = 600000 psi											
Cooling Tower - NonFired																			
16 oz./sq. ft.		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'-2"	15'-2"	16'-11"	12'-4"	12'-4"	13'-10"	10'-8"	10'-8"	12'-0"	9'-7"	9'-7"	10'-8"	8'-9"	8'-9"	9'-9"			
Deflection Limit		7'-3"	9'-8"	8'-11"	6'-4"	8'-6"	7'-10"	5'-9"	7'-8"	7'-1"	5'-4"	7'-2"	6'-7"	5'-0"	6'-9"	6'-2"			

041CTA | 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: 5.33" x 1 3/4" V Beam		Panel Strength = 20000 psi						Flexural Modulus = 450000 psi											
Cooling Tower - Fired																			
12 oz./sq. ft.		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		10'-3"	10'-3"	11'-6"	8'-5"	8'-5"	9'-5"	7'-3"	7'-3"	8'-2"	6'-6"	6'-6"	7'-3"	5'-11"	5'-11"	6'-8"			
Deflection Limit		4'-7"	6'-2"	5'-8"	4'-0"	5'-4"	4'-11"	3'-8"	4'-10"	4'-6"	3'-4"	4'-6"	4'-2"	3'-2"	4'-3"	3'-11"			

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)											
Panel Description: 5.33" x 1 3/4" V Beam		Panel Strength = 20000 psi						Flexural Modulus = 450000 psi											
Cooling Tower - Fired																			
12 oz./sq. ft.		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		11'-10"	11'-10"	13'-3"	9'-8"	9'-8"	10'-10"	8'-5"	8'-5"	9'-4"	7'-6"	7'-6"	8'-5"	6'-10"	6'-10"	7'-8"			
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"			

041CTA | 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: 5.33" x 1 3/4" V Beam		Panel Strength = 10,000 psi						Flexural Modulus = 450,000 psi											
Cooling Tower - Fired																			
16.0 oz./sq. ft.		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'-4"	8'-4"	9'-4"	6'-10"	6'-10"	7'-7"	5'-11"	5'-11"	6'-7"	5'-3"	5'-3"	5'-11"	4'-10"	4'-10"	5'-5"			
Deflection Limit		5'-0"	6'-9"	6'-3"	4'-5"	5'-11"	5'-5"	4'-0"	5'-4"	4'-11"	3'-8"	5'-0"	4'-7"	3'-6"	4'-8"	4'-4"			

Generic: 041CTA

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)											
Panel Description: 5.33" x 1 3/4" V Beam		Panel Strength = 10,000 psi						Flexural Modulus = 450,000 psi											
Cooling Tower - Fired																			
16.0 oz./sq. ft.		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		9'-8"	9'-8"	10'-9"	7'-10"	7'-10"	8'-9"	6'-10"	6'-10"	7'-7"	6'-1"	6'-1"	6'-10"	5'-7"	5'-7"	6'-3"			
Deflection Limit		6'-7"	8'-10"	8'-2"	5'-9"	7'-9"	7'-1"	5'-3"	7'-0"	6'-6"	4'-10"	6'-6"	6'-0"	4'-7"	6'-2"	5'-8"			



041IFW | 16oz. IsoTuf High Strength

ROOFING: POSITIVE LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 5.33" x 1 3/4" V Beam		Panel Strength = 30000 psi						Flexural Modulus = 1000000 psi								
IsoTuf High-Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
16 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
Stress Limit		15'-4"	15'-4"	17'-2"	12'-6"	12'-6"	14'-0"	10'-10"	10'-10"	12'-1"	9'-8"	9'-8"	10'-10"	8'-10"	8'-10"	9'-11"
Deflection Limit		6'-10"	9'-2"	8'-5"	6'-0"	8'-0"	7'-5"	5'-5"	7'-3"	6'-8"	5'-0"	6'-9"	6'-3"	4'-9"	6'-4"	5'-10"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 5.33" x 1 3/4" V Beam		Panel Strength = 30000 psi						Flexural Modulus = 1000000 psi								
IsoTuf High-Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
16 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
Stress Limit		17'-8"	17'-8"	19'-9"	14'-5"	14'-5"	16'-2"	12'-6"	12'-6"	14'-0"	11'-2"	11'-2"	12'-6"	10'-2"	10'-2"	11'-5"
Deflection Limit		9'-0"	12'-0"	11'-1"	7'-10"	10'-6"	9'-8"	7'-1"	9'-6"	8'-9"	6'-7"	8'-10"	8'-2"	6'-3"	8'-4"	7'-8"