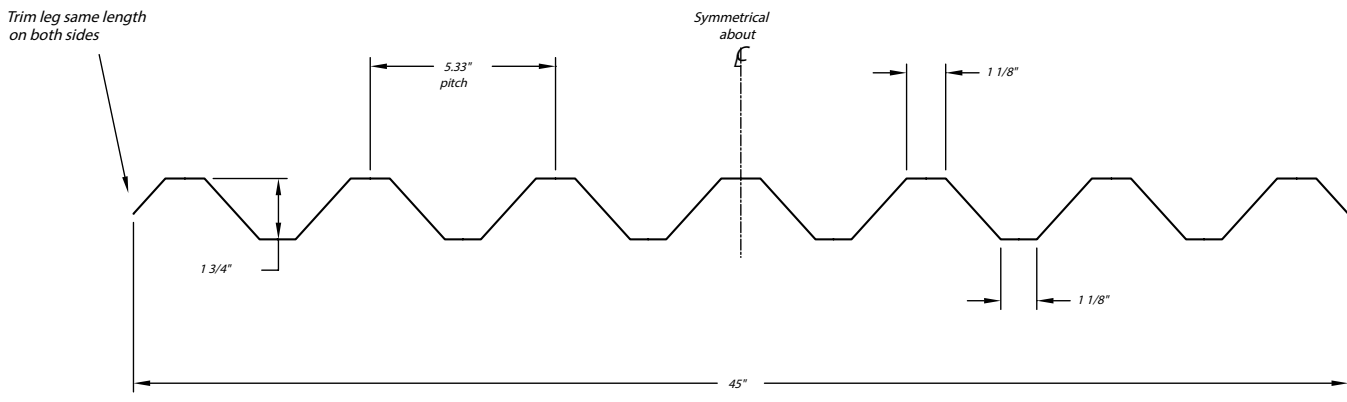


5.33 x 1 3/4 V-BEAM

PROFILE #: 041



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 - NonFired															
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 - NonFired															
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		Tensile Strength = 10,000 psi		Flexural Modulus = 600,000 psi											
Cooling Tower - NonFired															
12.0 oz./sq. ft.															
Generic: 041CTN															
	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'-3"	7'-3"	8'-1"	5'-11"	5'-11"	6'-7"	5'-1"	5'-1"	5'-9"	4'-7"	4'-7"	5'-1"	4'-2"	4'-2"	4'-8"
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: 2.5 to 1 Safety Factor		20 to 1 Deflection Limit Ratio (L/D)											
Panel Description: 5.33" x 1 3/4" V Beam		Tensile Strength = 10,000 psi		Flexural Modulus = 600,000 psi											
Cooling Tower - NonFired															
12.0 oz./sq. ft.															
Generic: 041CTN															
	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'-3"	7'-3"	8'-1"	5'-11"	5'-11"	6'-7"	5'-1"	5'-1"	5'-9"	4'-7"	4'-7"	5'-1"	4'-2"	4'-2"	4'-8"
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		Tensile Strength = 10,000 psi						Flexural Modulus = 600,000 psi							
Cooling Tower - NonFirerated															
16.0 oz./sq. ft.															
Generic: 041CTN															
	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'-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'-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: 2.5 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)							
Panel Description: 5.33" x 1 3/4" V Beam		Tensile Strength = 10,000 psi						Flexural Modulus = 600,000 psi							
Cooling Tower - NonFirerated															
16.0 oz./sq. ft.															
Generic: 041CTN															
	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'-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	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		Tensile Strength = 10,000 psi						Flexural Modulus = 450,000 psi							
Cooling Tower - Firerated															
12.0 oz./sq. ft.															
Generic: 041CTA															
	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'-3"	7'-3"	8'-2"	5'-11"	5'-11"	6'-8"	5'-2"	5'-2"	5'-9"	4'-7"	4'-7"	5'-2"	4'-2"	4'-2"	4'-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: 2.5 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)							
Panel Description: 5.33" x 1 3/4" V Beam		Tensile Strength = 10,000 psi						Flexural Modulus = 450,000 psi							
Cooling Tower - Firerated															
12.0 oz./sq. ft.															
Generic: 041CTA															
	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'-3"	7'-3"	8'-2"	5'-11"	5'-11"	6'-8"	5'-2"	5'-2"	5'-9"	4'-7"	4'-7"	5'-2"	4'-2"	4'-2"	4'-8"
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'-6"	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		Tensile Strength = 10,000 psi						Flexural Modulus = 450,000 psi							
Cooling Tower - Firerated															
16.0 oz./sq. ft.															
Generic: 041CTA															
	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'-8"	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'-9"	5'-0"	4'-7"	3'-6"	4'-8"	4'-4"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)							
Panel Description: 5.33" x 1 3/4" V Beam		Tensile Strength = 10,000 psi						Flexural Modulus = 450,000 psi							
Cooling Tower - Firerated															
16.0 oz./sq. ft.															
Generic: 041CTA															
	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'-8"	5'-11"	5'-11"	6'-7"	5'-3"	5'-3"	5'-11"	4'-10"	4'-10"	5'-5"
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. IsoTuff 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: 5.33" x 1 3/4" V Beam		Tensile Strength = 27,000 psi						Flexural Modulus = 760,000 psi								
IsoTuff High - Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
16.0 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: 041IFW		14'-6"	14'-6"	16'-3"	11'-10"	11'-10"	13'-3"	10'-3"	10'-3"	11'-6"	9'-2"	9'-2"	10'-3"	8'-4"	8'-4"	9'-4"
Stress Limit		6'-3"	8'-4"	7'-8"	5'-5"	7'-3"	6'-9"	4'-11"	6'-7"	6'-1"	4'-7"	6'-2"	5'-8"	4'-4"	5'-9"	5'-4"
Deflection Limit																

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 5.33" x 1 3/4" V Beam		Tensile Strength = 27,000 psi						Flexural Modulus = 760,000 psi								
IsoTuff High - Strength		20 psf			30 psf			40 psf			50 psf			60 psf		
16.0 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: 041IFW		14'-6"	14'-6"	16'-3"	11'-10"	11'-10"	13'-3"	10'-3"	10'-3"	11'-6"	9'-2"	9'-2"	10'-3"	8'-4"	8'-4"	9'-4"
Stress Limit		8'-2"	10'-11"	10'-1"	7'-2"	9'-7"	8'-10"	6'-6"	8'-8"	8'-0"	6'-0"	8'-1"	7'-5"	5'-8"	7'-7"	7'-0"
Deflection Limit																

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