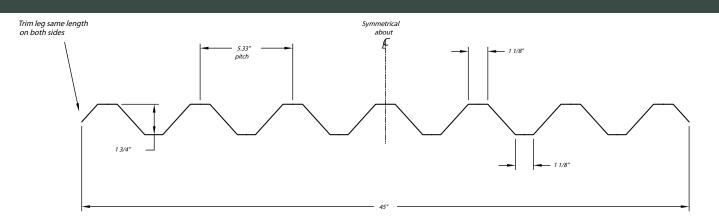


5.33 x 1³/₄ V-BEAM

PROFILE #: 041



041CTN | 8oz. Cooling Tower Non-Fire-Rated

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS Panel Description: 5.33" x 1 3/4" V Cooling Tower - NonFirerated	Beam	LIMITING	CRITERIA:	2.5 to 1 Sa Panel Stre	fety Factor ength = 2500		45 to 1 Det Flexural M	flection Limi lodulus = 60)					
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
	1 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 Panel Description: 5.33" x 1 3/4" V Cooling Tower - NonFirerated		LIMITING	CRITERIA:	1.88 to 1 S Panel Stre	afety Factor ength = 2500		20 to 1 Def Flexural M	lection Limi lodulus = 60)					
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"			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

Panel Description: 5.33" x 1 3/4" Cooling Tower - NonFirerated	V Beam	LIMITING	CRITERIA:	2.5 to 1 Sa Tensile St	rength = 10				it Ratio (L/L 600,000 psi))					
12.0 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 041CTN	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 Panel Description: 5.33" x 1 3/4" \ Cooling Tower - NonFirerated		LIMITING	CRITERIA:	2.5 to 1 Sa Tensile St	afety Factor rength = 10		20 to 1 De Flexural M		it Ratio (L/I 600,000 psi	,					
12.0 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 041CTN	1 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"			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"

5.33 x 1¾ V-BEAM PROFILE #: 041

041CTN | 16oz. Cooling Tower Non-Fire-Rated

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING	CRITERIA:		•		45 to 1 De		,	,					
Panel Description: 5.33" x 1 3/4"	v Beam			Tensile St	rength = 10),000 psi	Flexural N	lodulus = 6	00,000 psi						
Cooling Tower - NonFirerated		20 psf							,	ī		,	1		
16.0 oz./sq. ft.					30 psf			40 psf			50 psf			60 psf	
Generic: 041CTN	1 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"			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 Sa	afety Factor	r	20 to 1 De	flection Lim	it Ratio (L/I	D)					
Panel Description: 5.33" x 1 3/4" \	/ Beam			Tensile St	rength = 10	0,000 psi	Flexural N	1odulus = 6	00,000 psi						
Cooling Tower - NonFirerated		20 nsf													
16.0 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 041CTN	1 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"			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

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ROOFING: POSITIVE LOADS		LIMITING (CRITERIA:	2.5 to 1 Sa	afety Factor	r	45 to 1 De	flection Lim	nit Ratio (L/I	D)					
Panel Description: 5.33" x 1 3/4"	V Beam			Tensile St	rength = 10	0,000 psi	Flexural N	/lodulus = 4	150,000 psi						
Cooling Tower - Firerated		20 nef													
12.0 oz./sq. ft.	20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 041CTA	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"			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 Sa	afety Factor	r	20 to 1 De	flection Lim	nit Ratio (L/I	D)					
Panel Description: 5.33" x 1 3/4"	V Beam			Tensile St	rength = 10	0,000 psi	Flexural N	1odulus = 4	150,000 psi						
Cooling Tower - Firerated		20 nof													
12.0 oz./sq. ft.	20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 041CTA	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

				174	DEEC DEEC	200 HV I E	I AND INC	HILO OILE							
ROOFING: POSITIVE LOADS		LIMITING (CRITERIA:	2.5 to 1 Sa	afety Factor	•	45 to 1 De	flection Lim	it Ratio (L/I	D)					
Panel Description: 5.33" x 1 3/4"	V Beam			Tensile St	rength = 10	0,000 psi	Flexural N	/lodulus = 4	50,000 psi						
Cooling Tower - Firerated		20 nsf													
16.0 oz./sq. ft.	20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 041CTA	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 Panel Description: 5.33" x 1 3/4" Cooling Tower - Firerated		LIMITING (CRITERIA:	2.5 to 1 Sa Tensile St	afety Factor rength = 10		20 to 1 De Flexural N		nit Ratio (L/I I50,000 psi	0)					
16.0 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 041CTA	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"			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"

5.33 x 1³/₄ V-BEAM PROFILE #: 041

041IFW | 16oz. IsoTuff High Strength

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING (CRITERIA:	2.5 to 1 Sa	afety Factor	r	45 to 1 De	flection Lim	it Ratio (L/[D)					
Panel Description: 5.33" x 1 3/4" \	V Beam			Tensile St	rength = 27	7,000 psi	Flexural N	1odulus = 7	'60,000 psi						
IsoTuf High - Strength		20 psf													
16.0 oz./sq. ft.					30 psf			40 psf			50 psf			60 psf	
Generic: 041IFW	1 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'-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"
Deflection 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"

ROOFING/SIDING: WIND LOADS Panel Description: 5.33" x 1 3/4" \ IsoTuf High - Strength		LIMITING (CRITERIA:	2.5 to 1 Sa Tensile St	fety Factor rength = 27		20 to 1 De Flexural N		it Ratio (L/[60,000 psi	,					
16.0 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 041IFW	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'-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"
Deflection 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"

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