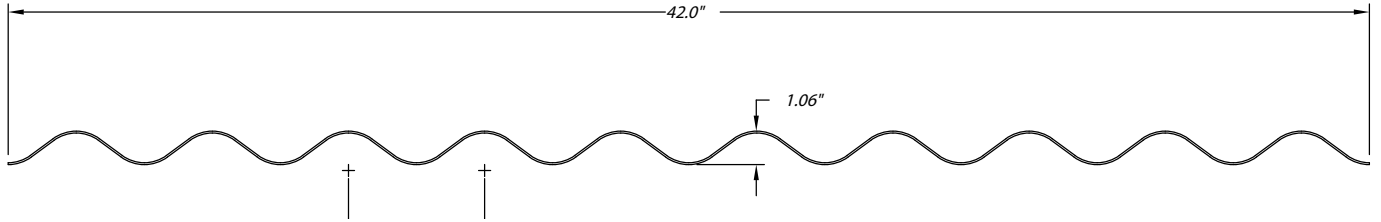


**4.2 x 1-1/16 RIB**

**PROFILE #: 008**



**008CTN | 8oz. Cooling Tower Non-Fire-Rated**

**TABLES BELOW IN FEET AND INCHES ONLY**

<b>ROOFING: POSITIVE LOADS</b>		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		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		7'-1"	7'-1"	7'-11"	5'-10"	5'-10"	6'-6"	5'-0"	5'-0"	5'-7"	4'-6"	4'-6"	5'-0"	4'-1"	4'-1"	4'-7"
Deflection Limit		3'-1"	4'-2"	3'-10"	2'-8"	3'-8"	3'-4"	2'-5"	3'-4"	3'-0"	2'-3"	3'-1"	2'-10"	2'-2"	2'-11"	2'-8"

<b>ROOFING/SIDING: WIND LOADS</b>		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		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		8'-2"	8'-2"	9'-2"	6'-8"	6'-8"	7'-6"	5'-9"	5'-9"	6'-6"	5'-2"	5'-2"	5'-9"	4'-9"	4'-9"	5'-3"
Deflection Limit		4'-1"	5'-5"	5'-0"	3'-7"	4'-9"	4'-5"	3'-3"	4'-4"	4'-0"	3'-0"	4'-0"	3'-8"	2'-10"	3'-9"	3'-6"

**008CTN | 12oz. Cooling Tower Non-Fire-Rated**

**TABLES BELOW IN FEET AND INCHES ONLY**

<b>ROOFING: POSITIVE LOADS</b>		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		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		8'-7"	8'-7"	9'-8"	7'-0"	7'-0"	7'-10"	6'-1"	6'-1"	6'-10"	5'-5"	5'-5"	6'-1"	5'-0"	5'-0"	5'-7"
Deflection Limit		3'-7"	4'-9"	4'-5"	3'-1"	4'-2"	3'-10"	2'-10"	3'-9"	3'-6"	2'-7"	3'-6"	3'-3"	2'-5"	3'-4"	3'-0"

<b>ROOFING/SIDING: WIND LOADS</b>		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		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		9'-11"	9'-11"	11'-1"	8'-1"	8'-1"	9'-1"	7'-0"	7'-0"	7'-10"	6'-3"	6'-3"	7'-0"	5'-9"	5'-9"	6'-5"
Deflection Limit		4'-8"	6'-3"	5'-9"	4'-1"	5'-5"	5'-0"	3'-8"	4'-11"	4'-7"	3'-5"	4'-7"	4'-3"	3'-3"	4'-4"	4'-0"

008CTN | 16oz. Cooling Tower Non-Fire-Rated

TABLES BELOW IN FEET AND INCHES ONLY

<b>ROOFING: POSITIVE LOADS</b>		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		Tensile Strength = 10,000 psi						Flexural Modulus = 600,000 psi								
Cooling Tower - NonFired		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 008CTN		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		6'-3"	6'-3"	7'-0"	5'-1"	5'-1"	5'-8"	4'-5"	4'-5"	4'-11"	3'-11"	3'-11"	4'-5"	3'-7"	3'-7"	4'-0"
Deflection Limit		3'-11"	5'-3"	4'-10"	3'-5"	4'-7"	4'-3"	3'-1"	4'-2"	3'-10"	2'-10"	3'-10"	3'-7"	2'-8"	3'-8"	3'-4"

<b>ROOFING/SIDING: WIND LOADS</b>		LIMITING CRITERIA: 2.5 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		Tensile Strength = 10,000 psi						Flexural Modulus = 600,000 psi								
Cooling Tower - NonFired		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 008CTN		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		6'-3"	6'-3"	7'-0"	5'-1"	5'-1"	5'-8"	4'-5"	4'-5"	4'-11"	3'-11"	3'-11"	4'-5"	3'-7"	3'-7"	4'-0"
Deflection Limit		5'-1"	6'-10"	6'-4"	4'-6"	6'-0"	5'-6"	4'-1"	5'-5"	5'-0"	3'-9"	5'-1"	4'-8"	3'-7"	4'-9"	4'-5"

008CTA | 12oz. Cooling Tower Non-Fire-Rated

TABLES BELOW IN FEET AND INCHES ONLY

<b>ROOFING: POSITIVE LOADS</b>		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		Tensile Strength = 10,000 psi						Flexural Modulus = 450,000 psi								
Cooling Tower - Fired		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 008CTA		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		5'-6"	5'-6"	6'-2"	4'-6"	4'-6"	5'-0"	3'-11"	3'-11"	4'-4"	3'-6"	3'-6"	3'-11"	3'-2"	3'-2"	3'-7"
Deflection Limit		3'-3"	4'-4"	4'-0"	2'-10"	3'-10"	3'-6"	2'-7"	3'-5"	3'-2"	2'-5"	3'-2"	2'-11"	2'-3"	3'-0"	2'-9"

<b>ROOFING/SIDING: WIND LOADS</b>		LIMITING CRITERIA: 2.5 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		Tensile Strength = 10,000 psi						Flexural Modulus = 450,000 psi								
Cooling Tower - Fired		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 008CTA		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		5'-6"	5'-6"	6'-2"	4'-6"	4'-6"	5'-0"	3'-11"	3'-11"	4'-4"	3'-6"	3'-6"	3'-11"	3'-2"	3'-2"	3'-7"
Deflection Limit		4'-3"	5'-8"	5'-3"	3'-8"	5'-0"	4'-7"	3'-4"	4'-6"	4'-2"	3'-2"	4'-2"	3'-10"	2'-11"	3'-11"	3'-8"

008IFW | 16oz. IsoTuff High Strength

TABLES BELOW IN FEET AND INCHES ONLY

<b>ROOFING: POSITIVE LOADS</b>		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		Tensile Strength = 27,000 psi						Flexural Modulus = 760,000 psi								
IsoTuff High - Strength		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 008IFW		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'-11"	10'-11"	12'-2"	8'-11"	8'-11"	9'-11"	7'-8"	7'-8"	8'-7"	6'-11"	6'-11"	7'-8"	6'-3"	6'-3"	7'-0"
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"

<b>ROOFING/SIDING: WIND LOADS</b>		LIMITING CRITERIA: 2.5 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 4.2 x 1-1/16		Tensile Strength = 27,000 psi						Flexural Modulus = 760,000 psi								
IsoTuff High - Strength		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 008IFW		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'-11"	10'-11"	12'-2"	8'-11"	8'-11"	9'-11"	7'-8"	7'-8"	8'-7"	6'-11"	6'-11"	7'-8"	6'-3"	6'-3"	7'-0"
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"

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