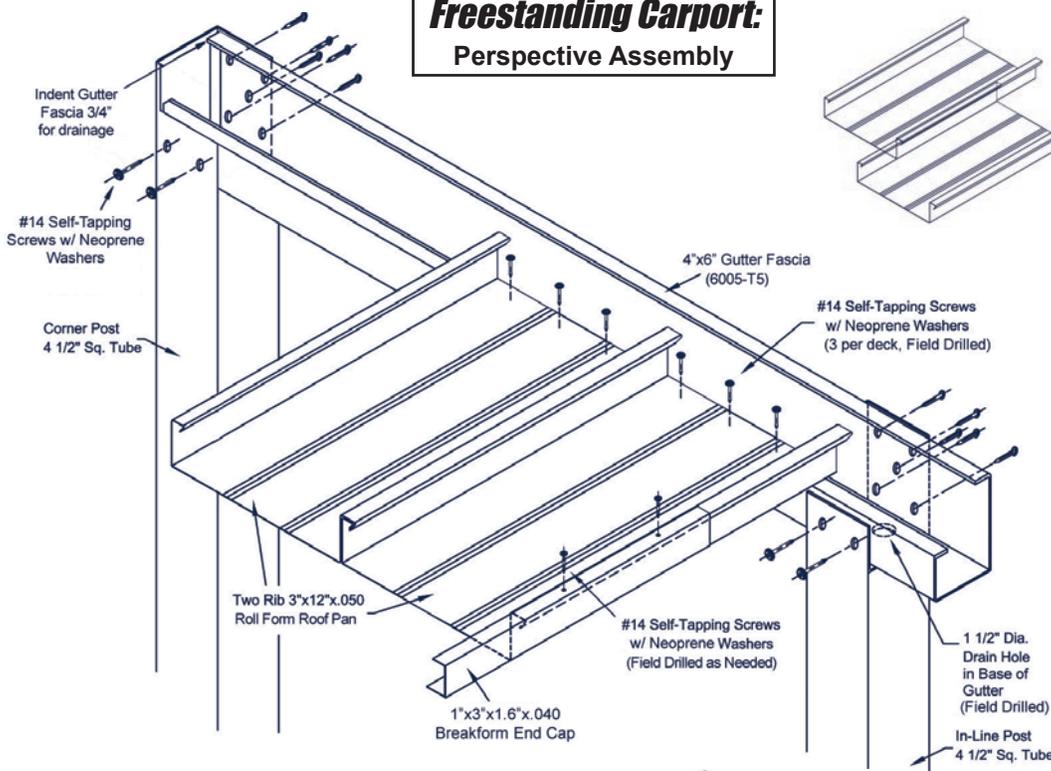


Engineered Carport Kit - Design is based on: IBC 2009, ASCE 7-10 (FL), ASCE 7-05 (listed states*), FBC & NCBC - Latest Editions

Sealed Engineering Drawings for:
FL, GA, SC, NC, AL, LA, TX

ENGINEERING AVAILABLE:
easternmetal.com/engineering

Freestanding Carport: Perspective Assembly



See Architectural p04
for Self-Mating Pans:
Low Wind (shown in diagram):
3 x 12 x .050 Roll Formed Pans

**Sealed Engineering Drawings
for: FL, GA, SC, NC, AL, LA, TX*

FL Wind Velocity:
Low Wind: Vult = 125 mph
High Wind: Vult = 175 mph

Snow Load: 20 psf

**Custom Sizes
Available upon Request**

**Can also be used in Canopy
or Walkway applications**

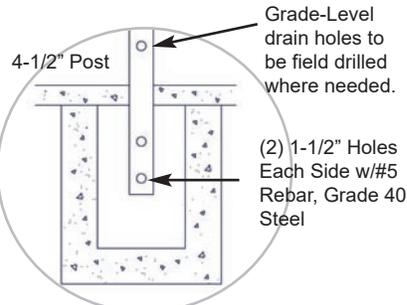
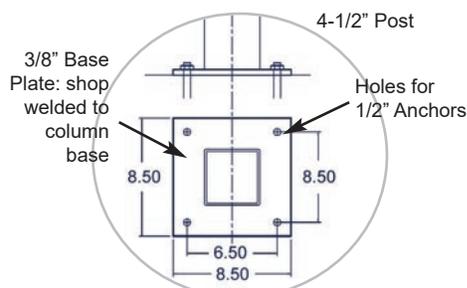
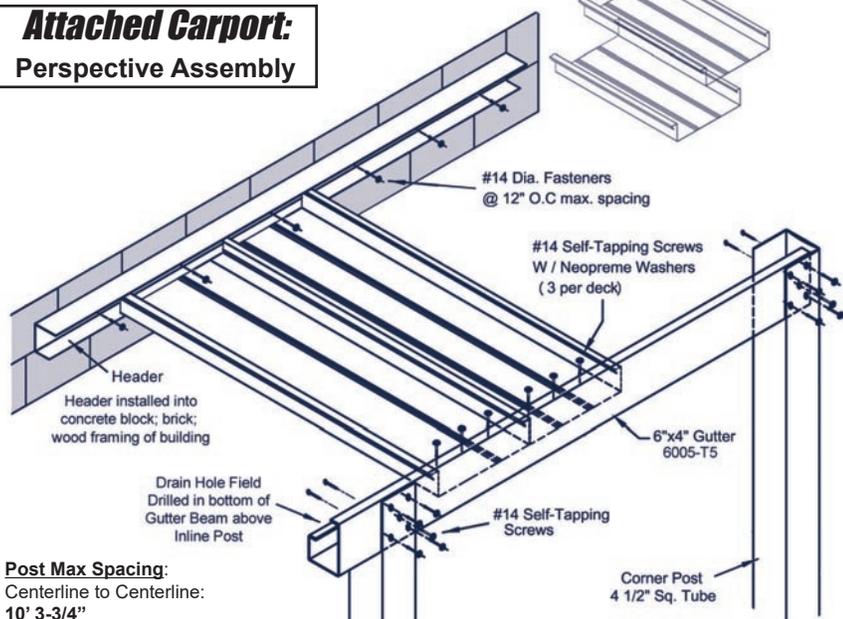
**Roll Form Pan
Available in White & Bronze**

**Extruded Post & Gutter
Available in White & Bronze**

**Install Kits Available: includes
rebar, threaded rod, nuts, bolts,
screws, and concrete adhesive**

*EMS will provide
pre-fabricated Posts
including notching, 7 top side
holes (see engineering for
details)*

Attached Carport: Perspective Assembly



Post Max Spacing:
Centerline to Centerline:
10' 3-3/4"

Max Height:
10' - bottom of Gutter
Fascia to top of slab.



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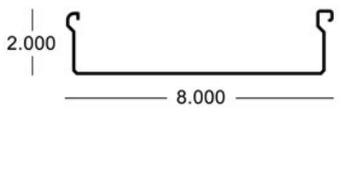
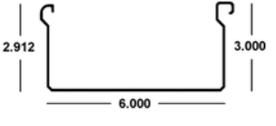
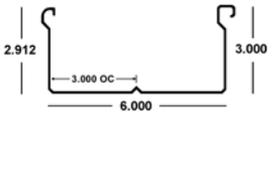
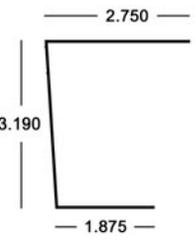


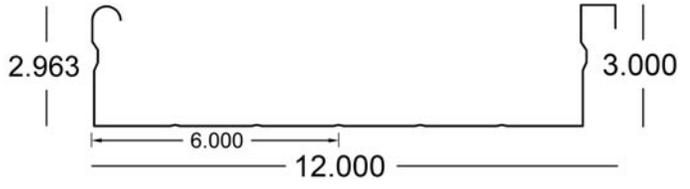
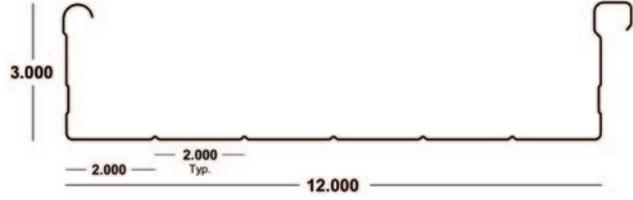
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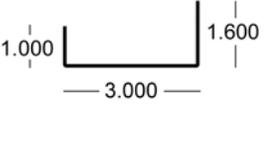
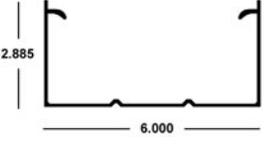
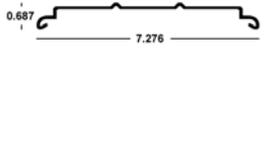
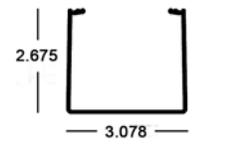
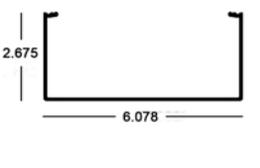
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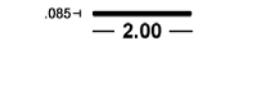
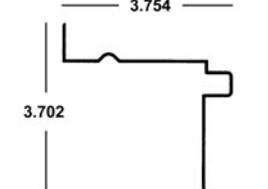
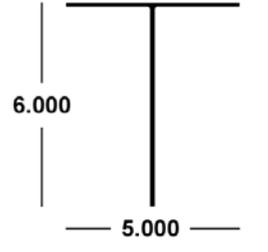
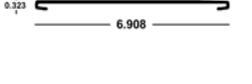
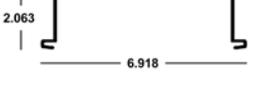
Florida items are available to all branches via shuttle.

*Custom lengths, finishes and additional profiles are also available on a minimum MILL ORDER basis.

<p>2 x 8 x .075 Self Mating Canopy Roof Pan x 24' 6063-T6 Mill Finish 56-63-046 .080 Wall</p> 	<p>3 x 6 Self Mating Canopy Roof Pan x 24' 6063-T6 Mill Finish 56-63-015 (0.065 - Light Wall)</p> <p>MILL ORDER 56-63-075 (0.065 Side Wall/0.075 Bottom Wall)</p> <p>MILL ORDER 20160-020 (TX) (0.078 - Heavy Wall)</p> 	<p>3 x 6 x .078 Self Mating Canopy Roof Pan (V-Deck) 6063-T6 Mill Finish (3" On Center V) MILL ORDER 52-63-11677 (FL/NC) 0.078 - Heavy Wall</p> 	<p>3 x .045 Extruded Header 200-WH-019 White x 24' 200-MB-019 Bronze x 24' 200-WH-020 White x 30' 200-MB-020 Bronze x 30'</p> 
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<p>3 x 12 Carport Roll Form Roof Pan (5 Rib) Self Mating Available in .032 and .024 thicknesses <i>Custom Lengths Available in White; SPECIAL ORDER for Bronze</i> CRATE CHARGE MAY APPLY (please inquire with your sales person) Production Lead Times average 5-7 Business Days + shipping</p> 	<p>3 x 12 x .050 Carport Roll Form Roof Pan (5 Rib) Self Mating <i>Custom Lengths Available in White & Bronze</i> CRATE CHARGE MAY APPLY (please inquire with your sales person) Production Lead Times average 5-7 Business Days + shipping</p> 
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<p>1 x 3 x 1.6 x .040 Roll Form Breakform End Cap Custom Lengths Available in White & Bronze</p> 	<p>WWC-17 "P" Roof Pan x 24' 2" Wall: .060 6063-T6 56-63-001 204 R1 Anodized 56-MF-001 Mill Finish <i>Mates with WWC-19 and 56-63-007</i></p> 	<p>WWC-19 "P" Cap (Flat) x 24' 2" Wall: .060 6063-T6 56-63-008 204 R1 Anodized 56-MF-008 Mill Finish <i>Mates with WWC-17</i></p> 	<p>1/2 Bottom x 24' 21929-606 (TX) Mill Finish <i>Mates with 2-3/4 Top & 4-1/2 Top</i></p> 	<p>Bottom 21929-004 (TX) x 20' 21929-006 (TX) x 24' 204 R1 Anodized <i>Mates with 2-3/4 Top & 4-1/2 Top</i></p> 
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<p>2" Pan End Cap x 12' 1" Wall: .085 10-63-100 6063-T6 Mill Finish</p> 	<p>Small Rain Cap x 20' 52-63-14731 202 R1 Anodized</p> 	<p>T-Flashing x 24' 56-63-040</p> 	<p>2-3/4 Top 21929-008 (TX) x 20' 21929-010 (TX) x 24' Clear Anodized <i>Mates with 1/2 Bottom & Bottom</i></p> 	<p>4-1/2 Top 21929-023 (TX) x 20' 21929-012 (TX) x 24' Clear Anodized <i>Mates with 1/2 Bottom & Bottom</i></p> 
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*Custom lengths, finishes and additional profiles are also available on a minimum MILL ORDER basis.

<p>4 x 6 x .093 Gutter Fascia x 24' 56-63-033 6063 T6 Mill Finish 56-63-036 204-R1 Clear Anod 56-MB-036 Bronze 56-WH-036 White</p>	<p>3 x 8 x .125 Gutter Fascia x 24' 21929-025M (TX) Mill Finish 21929-667 (TX) 204-R1 Clear Anod</p>	<p>4 x 8 x .125 Gutter Fascia x 24' 56-63-016 Mill Finish</p>	<p>4 x 8 x 3 x .125 Gutter Fascia x 24' 56-63-039 Mill Finish 0.125" Inside Radius</p>	<p>4 x 10 x 4 x .140 Gutter Fascia Mill Finish 56-63-043 x 24' 56-63-045 x 30'</p>
<p>4 x 12 x 5 x .160 Gutter Fascia x 24' 56-63-042 Mill Finish</p>	<p>4 x 8 x 3 x .135 Gutter Fascia Channel x 24' 1" 56-63-047 Mill Finish</p>	<p>10" Industrial Channel Fascia x 24' 52-63-14715</p> <p>Mates with 4 x 6, 4 x 8, 4 x 10 and 4 x 12 Gutter Fascias</p> <p><i>Schematic Arch p 06</i></p>	<p>12" Industrial Channel Fascia x 24' 52-63-14284 Mill Finish</p> <p>Mates with 4 x 6, 4 x 8, 4 x 10 and 4 x 12 Gutter Fascias</p> <p><i>Schematic Arch p 06</i></p>	
<p>6.1 x .070 Fascia x 24' 56-63-005 204 R1 Anodized 56-MF-005 6063-T6 Mill Finish</p>	<p>6.404 x 1 x .070 Side Fascia x 24' F-2 - w/hook <i>Mates with WWC-17</i> 56-63-007 204 R1 Anodized 56-MF-007 6063-T6 Mill Finish</p>	<p>Fascia Splice x 20' 21929-253 (TX) Mill Finish <i>Fits 3 x 8 Gutter Fascia 21929-667 and 21929-025M</i></p>	<p>Gutter/Fascia Extender x 24' 2" x 4.5" x .093 x 24' 56-63-041 Mill Finish <i>See schematic on Arch 06</i></p>	
<p>4 x 4 x .150 Gutter Beam x 20' 6063-T6 Mill Finish MILL ORDER 21929-713 (TX)</p>	<p>4 x 6 x .190/.125 Gutter Beam x 24' 2" 56-63-011 204 R1 Anodized 56-MF-011 6063-T6 MF</p>	<p>4 x 8 x .190/.150 Gutter Beam x 24' 2" 6063-T6 56-63-013 204 R1 Anodized</p>	<p>6 x 6 x .150 Gutter Beam x 24' 6" 6063-T6 56-63-038 204 R1 Anodized</p>	<p>6 x 6 x .130/.190 Gutter Beam 6005-T5 Mill Finish 21929-441 (TX) x 20' 21929-452 (TX) x 24' 21929-431 (TX) x 30'</p>

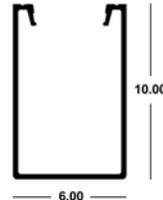
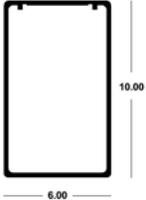
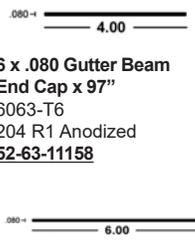
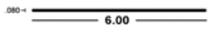
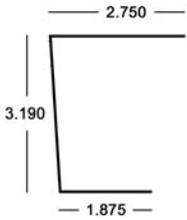


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<p>6 x 8 x .190 Gutter Beam GB-12-A 6063-T6 204 R1 Anodized 56-63-021 x 25' 56-63-022 x 30' 6063-T6 - Mill Finish 56-63-023 x 25' 56-63-024 x 30' 90-63-1076 (NC) x 30'</p> 	<p>6 x 10 x .190 Gutter Beam GB-13 6063-T6 204 R1 Anodized 56-63-029 x 25' 56-63-030 x 30' 6063-T6 - Mill Finish 56-63-031 x 25' 56-63-032 x 30'</p> 	<p>6 x 10 x .250/.188 Rect Tube x 24' 61-63-035 (TX) 0.125" Outside Radius 0.25" Inside Radius 6063-T52 Mill Finish <i>ID configuration allows saw adaptation into a gutter beam</i></p> 	<p>6 x 12 Drain Beam MILL ORDER #EMSWLB640</p> 	<p>4 x .080 Gutter Beam End Cap x 97" 6063-T6 204 R1 Anodized 52-63-11157</p>  <p>6 x .080 Gutter Beam End Cap x 97" 6063-T6 204 R1 Anodized 52-63-11158</p> 	<p>3 x .045 Extruded Header 200-WH-019 White x 24' 200-MB-019 Bronze x 24' 200-WH-020 White x 30' 200-MB-020 Bronze x 30'</p> 
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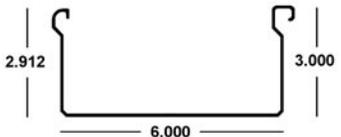
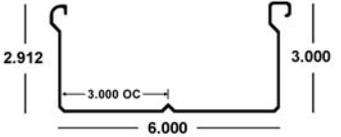
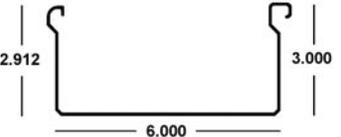
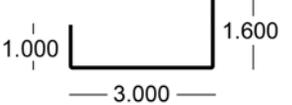
Engineered Carport Kit

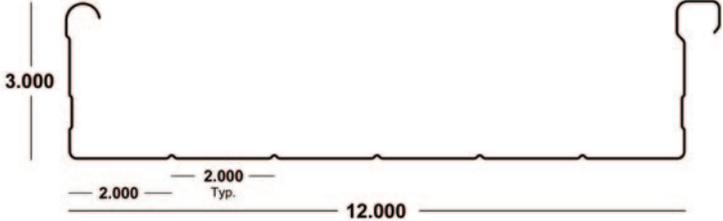
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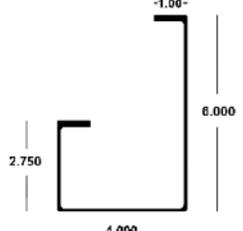
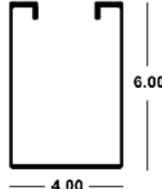
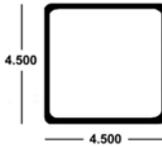
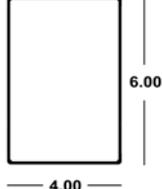
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SCHEMATICS ON NEXT PAGE (Arch 12)

<p>3 x 6 x .078 Self Mating Canopy Roof Pan x 24' 6063-T6 Mill Finish MILL ORDER 20160-020 (TX) <i>Meets High Wind: 175 mph Exposure C Snow Load: 20 psf</i></p> 	<p>3 x 6 x .078 Self Mating Canopy Roof Pan (V-Deck - 3" on center) MILL ORDER 52-63-11677 6063-T6 Mill Finish <i>Meets High Wind: 175 mph Exposure C Snow Load: 20 psf</i></p> 	<p>3 x 6 x .065 Self Mating Canopy Roof Pan x 24' 56-63-015 6063-T6 Mill Finish MILL ORDER 56-63-075 (0.065 Side Wall/0.075 Bottom Wall) <i>Meets Wind: 125 mph Exposure B; Snow Load: 20 psf</i></p> 	<p>1 x 3 x 1.6 x .040 Roll Form Breakform End Cap Custom Lengths Available in White & Bronze</p> 
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<p>3 x 12 x .050 Carport Roll Form Roof Pan (5 Rib) Self Mating Custom Lengths Available in White & Bronze CRATE CHARGE MAY APPLY (please inquire with your sales person) Production Lead Times average 5-7 Business Days + shipping</p> 	<p>Extruded Patio Roof U-Header x 24' 47153 White Wall: .045</p> 
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<p>4 x 6 x .093 Gutter Fascia x 24' 56-63-033 6063-T6 Mill Finish 56-63-036 6063-T6 204 R1 Clear Anod 56-MB-036 6063-T6 Bronze 56-WH-036 6063-T6 White</p> 	<p>4 x 6 x .190/.125 Gutter Beam x 24' 2" 6063-T6 - 204 R1 Clear Anod 56-63-011</p> 	<p>4.5 x .093 Square Tube x 24' (.125 radius) 6063-T6 56-MF-035 Mill Finish 56-WH-035 White 56-MB-035 Bronze</p> 	<p>4 x 6 x .150 Rect. Tube x 24' 2" (.125 radius) 6063-T6 204 R1 Anodized 56-63-004</p> 
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Trellis, Pergolas & Lattice



Rectangular Aluminum Tube

Stock Code	Size in Inches (E x M x S)	Alloy & Finish
20-63-290	2 x 6 x .125 X 24'	6063-T52 Mill Finish
52-63-13710	2 x 6 x .125 x 24'	202R1 Anodized
20-61-292	2 x 6 x .250 x 24'	6061-T6 Mill Finish
52-63-13711	2 x 6 x .250 x 24'	202R1 Anodized
20-63-295	2 x 8 x .125 x 24'	6063-T52 Mill Finish
20-61-296	2 x 8 x .250 x 24'	6061-T6 Mill Finish
20-63-400	2 x 10 x .125 x 24'	6063-T6 Mill Finish
MILL ORDER	2 x 10 x .156 (w/radius; 4 screw bosses) EMSW42987 (TX)	
MILL ORDER	2 x 10 x .250 20782003 (TX)	
MILL ORDER	2 x 12 x .156 (w/radius; 4 screw bosses) 2178-008 (MO)	
20-63-500	2 x 12 x .188 x 24'	6063-T52 Mill Finish
20-63-303	3 x 6 x .125 x 24'	6063-T6 Mill Finish
20-61-300	3 x 6 x .188 x 24'	6061-T6 Mill Finish
52-61-3007	3 x 6 x .250 x 24'	6061-T6 Mill Finish
20-63-302	3 x 8 x .110 x 24'	6063-T6 Mill Finish
20-63-700	3 x 10 x .125 x 24'	6063-T6 Mill Finish
20-63-305	3 x 12 x .188 x 24'	6005-T5 Mill Finish
20-63-803	4 x 6 x .125 x 24'	6063-T52 Mill Finish
20-63-543 (NC)	4 x 6 x .125 x 24'	6063-T6 Mill Finish
56-63-004	4 x 6 x .15 x 24' 2" w/radius	6063-T6 204R1 Anod.
56-MF-004	4 x 6 x .15 x 24' 2" w/radius	6063-T6 Mill Finish
20-63-306	4 x 6 x .188 x 24'	6063-T52 Mill Finish
20-61-480	4 x 6 x .250x 24'	6061-T6 Mill Finish
52-61-804	4 x 6 x .250 x 28'	6061-T6 Mill Finish
20-63-308	4 x 8 x .188	6063-T6 Mill Finish
56-63-014	4 x 8 x .19/.15 x 24' 2" w/radius	6063-T6 204R1 Anod.
20-61-524 (NC/DE)	4 x 8 x .250x 24'	6061-T6 Mill Finish
52-61-805	4 x 8 x .250 x 28'	6061-T6 Mill Finish
20-63-499	4 x 10 x .188 X 24'	6063-T6 Mill Finish
20-61-500	4 x 10 x .250 w/.25 radius	6005A-T61 Mill Finish
20-61-505	4 x 12 x .250 x 26'	6005A-T5 Mill Finish
52-61-2715	5 x 10 x .250/.350 x 16' w/.35 rad	6061-T6 Mill Finish
56-63-019*	6 x 8 x .188 x 25' w/radius	6063-T6 Mill Finish
56-63-020*	6 x 8 x .188 X 30' w/radius	6063-T6 Mill Finish
56-63-017*	6 x 8 x .188 x 25' w/radius	6063-T6 204R1 Anod.
56-63-018*	6 x 8 x .188 x 30' w/radius	6063-T6 204R1 Anod.
MILL ORDER*	6 x 8 x .500 w/.062 radius 20-61-600	
56-63-027*	6 x 10 x .19 x 25' w/radius	6063-T6 Mill Finish
56-63-028*	6 x 10 x .19 x 30' w/radius	6063-T6 Mill Finish
56-63-025*	6 x 10 x .19 x 25' w/radius	6063-T6 204R1 Anod.
56-63-026*	6 x 10 x .19 x 30' w/radius	6063-T6 204R1 Anod.
61-63-035** (TX)	6 x 10 x .250/.188 w/radius	6063-T52 Mill Finish
20-63-800	6 x 12 x .250 w/.125 radius	6063-T6 Mill Finish
20-63-900	6 x 14 x .250 w/.125 radius	6063-T6 Mill Finish
52-61-5210	8 x 12 x .50 x 26' w/.062 rad	6061-T6 Mill Finish

*0.125" Outside Radius and 0.25" Inside Radius



Typical Scalloped End Trellis/Pergola tube fabrication services available through EMS



Square Aluminum Tube

Stock Code	Size in Inches (E x M x S)	Alloy & Finish
19-63-245	4 x .125 x 24'	6063-T52 Mill Finish
56-63-003	4 x .125 x 24' 2" w/radius	6063-T6 204R1 Anod.
56-MF-003	4 x .125 x 24' 2" w/radius	6063-T6 Mill Finish
56-63-010	4 x .150 x 22' w/radius	6063-T6 204R1 Anod.
56-MF-010	4 x .150 x 22' w/radius	6063-T6 Mill Finish
MILL ORDER	4 x .156 (w/radius; 4 screw bosses) 21929-997 (TX)	
19-61-717	4 x .1875 x 24'	6061-T6 Mill Finish
19-61-250	4 x .250 x 24'	6061-T6 Mill Finish
19-61-251	4 x .250 x 24' (w/.375 radius)	6061-T6 Mill Finish
56-MF-035	4.5 x .093 x 24' w/.125 radius	6063-T6 Mill Finish
19-63-255	5 x .125 x 24'	6063-T52 Mill Finish
19-61-258	5 x .250 x 24'	6061-T6 Mill Finish
19-63-260	6 x .125 x 24'	6063-T52 Mill Finish
56-MF-037	6 x .150 x 24' 6" w/radius	6063-T6 Mill Finish
56-63-037	6 x .150 x 24' 6" w/radius	6063-T6 204R1 Anod.
19-63-302 (TX)	6 x .180 x 24' w/.250 radius	6005-T5 Mill Finish
MILL ORDER	6 x .180 (w/radius; 4 screw bosses) 21929-998 (TX)	
19-61-260	6 x .25 x 24'	6061-T6 Mill Finish
19-61-261	6 x .50 x 24'	6061-T6 Mill Finish
19-63-262	7 x .156 x 24'	6063-T6 Mill Finish
19-63-265	8 x .188 x 24'	6063-T52 Mill Finish
19-61-270	8 x .250 x 24'	6061-T6 Mill Finish
52-61-4983	8 x .500 x 26'	6061-T6 Mill Finish
19-63-300	10 x .250 x 24' w/radius	6063-T6 Mill Finish
19-63-400	12 x .250 x 24' w/.125 radius	6063-T6 Mill Finish

For additional sizes please see: Standards 11 (Square Tube) and Standards 12 (Rectangular Tube) for Painted Extrusions see Standards 23-24

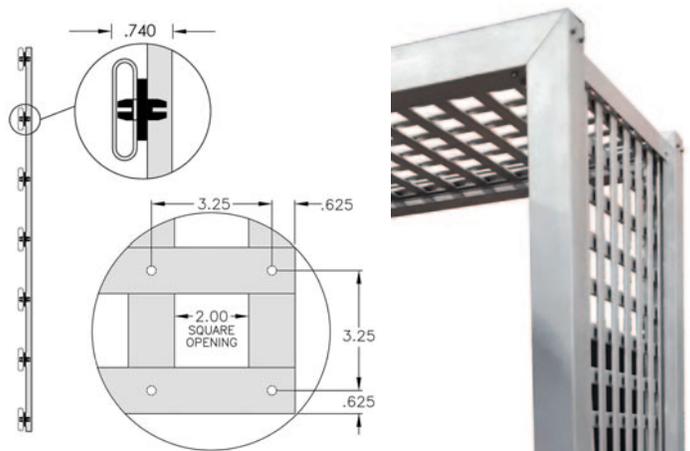
Lattice System - NEW!

Prefabricated and Ready for Assembly

<p>1.25" Blade x 12' LATTICE-834 prefabbed holes 3.25" OC</p>	<p>1" x 1" x .125" Channel x 12' 13-63-220 Accepts assembled lattice</p>	<p>Black Plastic Grommet GROMMET1 (bags of 200)</p>
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Typical Uses: Lattice applications • Trellis & Pergolas
Decorative Screening

Framing Options: Blades can be framed out using a 1" x 1" x .125 Channel which can be inserted into the 3" Universal and the 2" x 3" Welded Enclosure Systems



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