

Lambton

ONE SOURCE. ONE SOLUTION.

TOWERS



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ELEVATOR SUPPORT

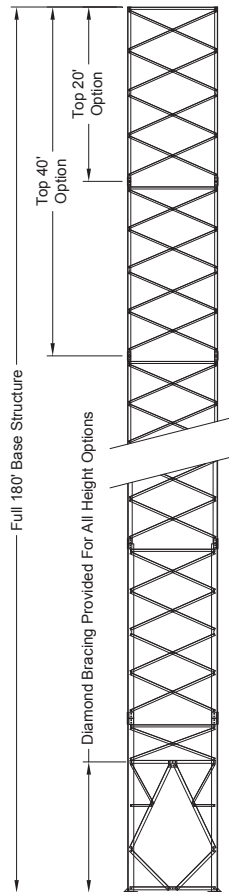
Lambton offers you HUNDREDS of standard models of towers to meet your specific and unique needs.

STANDARD FEATURES

- Designed in accordance with the EIA/TIA & ASCE standards
- Designed using the latest in finite element analysis software by RISA Technologies
- Constructed of ASTM A-529 Grade 50 mill certified structural steel angle
- ASTM A-325 galvanized bolts, nuts, and locking devices used for all structural connections
- Steel is “hot dipped” galvanized in accordance with ASTM A-123 and ASTM A-153 standards
- Corothane I Mio-Aluminum coating available
- Bare steel with no coating
- Foundation designs available



SUPPORT TOWER

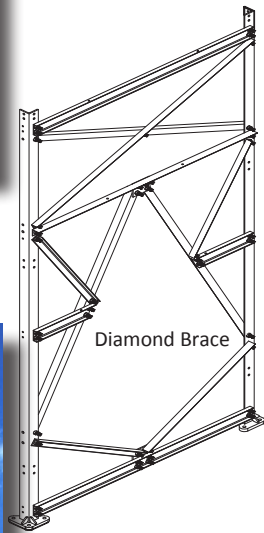


TOWER STAIRS

Wrap Around



Switchback



OPTIONAL CUSTOMER FEATURES

- Can be designed for any wind speed or ice requirement
- Box tubing, pipe, or solid round legs available
- Tower mounted head service platforms
- Tower mounted distributor platforms
- Internal service platforms
- Tower Mounted climbing ladder systems
- Catwalks & Walk-Thru Truss systems
- Switchback & Wrap around stair systems
- Access bracing at customer specified locations available

Light Series : Supports Elevator, Head Service Platform and Ladder System

Pulley Size (in.)	Face Size (ft.)	Typical Distributor	Spouting Length (ft.)	Est. Catwalk Elevation (ft.)	Wind & Ice Requirements	Light Series - Available Heights / Weights (Kips)							
						Base Design #	180'	160'	140'	120'	100'	80'	60'
16	6	n/a	n/a	n/a	90mph / 50mph 1"ice	A-16P-06-L120-90				8.9	6.8	5.1	3.6
24	8	n/a	n/a	n/a	90mph / 50mph 1"ice	A-24P-08-L180-90	21.2	17.2	14.1	11.4	9.0	6.8	4.7
30	8	n/a	n/a	n/a	90mph / 50mph 1"ice	A-30P-08-L180-90	21.2	17.2	14.1	11.4	9.0	6.8	4.7
36	10	n/a	n/a	n/a	90mph / 50mph 1"ice	A-36P-10-L180-90	24.6	20.2	16.6	13.1	10.5	7.9	5.7
42	10	n/a	n/a	n/a	90mph / 50mph 1"ice	A-42P-10-L180-90	24.6	20.2	16.6	13.1	10.5	7.9	5.7
48	12	n/a	n/a	n/a	90mph / 50mph 1"ice	A-48P-12-L180-90	29.2	24.8	20.5	16.5	13.2	10.3	
48 - 2R	12	n/a	n/a	n/a	90mph / 50mph 1"ice	A-48P2R-12-L180-90	29.2	24.8	20.5	16.5	13.2	10.3	
48 - 3R	14	n/a	n/a	n/a	90mph / 50mph 1"ice	A-48P3R-14-L180-90	33.8	28.4	23.9	19.3	15.4	12.2	

Medium Series : Supports Light Series Loading + Distributor and Spouting

Pulley Size (in.)	Face Size (ft.)	Typical Distributor	Spouting Length (ft.)	Est. Catwalk Elevation (ft.)	Wind & Ice Requirements	Medium Series - Available Heights / Weights (Kips)							
						Base Design #	180'	160'	140'	120'	100'	80'	60'
16	6	6" x 6 Hole	40	n/a	90mph / 50mph 1"ice	A-16P-06-M120-90				9.4	7.3	5.6	3.8
24	8	8" x 6 Hole	60	n/a	90mph / 50mph 1"ice	A-24P-08-M180-90	22.7	18.5	14.6	11.5	9.1	6.9	4.7
30	8	10" x 8 Hole	60	n/a	90mph / 50mph 1"ice	A-30P-08-M180-90	24.6	19.9	15.7	12.6	9.9	7.5	5.3
36	10	12" x 8 Hole	80	n/a	90mph / 50mph 1"ice	A-36P-10-M180-90	28.3	23.4	19.0	15.4	11.9	9.0	6.1
42	10	12" x 8 Hole	80	n/a	90mph / 50mph 1"ice	A-42P-10-M180-90	28.3	23.4	19.0	15.4	11.9	9.0	6.1
48	12	14" x 8 Hole	80	n/a	90mph / 50mph 1"ice	A-48P-12-M180-90	33.3	27.8	22.7	18.5	14.5	11.2	
48 - 2R	12	14" x 8 Hole	80	n/a	90mph / 50mph 1"ice	A-48P2R-12-M180-90	33.3	27.8	22.7	18.5	14.5	11.2	
48 - 3R	14	14" x 8 Hole	80	n/a	90mph / 50mph 1"ice	A-48P3R-14-M180-90	35.8	29.3	24.5	20.0	16.1	12.5	

Heavy Series : Supports Medium Series Loading + Catwalk / Walk Thru Truss Loading

Pulley Size (in.)	Face Size (ft.)	Typical Distributor	Spouting Length (ft.)	Est. Catwalk Elevation (ft.)	Wind & Ice Requirements	Heavy Series - Available Heights / Weights (Kips)							
						Base Design #	180'	160'	140'	120'	100'	80'	60'
16	6	6" x 6 Hole	40	Top - 22.5'	90mph / 50mph 1"ice	A-16P-06-H120-90				10.0	7.8	5.9	4.0
24	8	8" x 6 Hole	60	Top - 22.5'	90mph / 50mph 1"ice	A-24P-08-H180-90	23.5	19.4	15.0	11.8	9.4	7.1	5.3
30	8	10" x 8 Hole	60	Top - 22.5'	90mph / 50mph 1"ice	A-30P-08-H180-90	27.1	22.3	17.8	14.1	10.8	8.2	5.8
36	10	12" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-36P-10-H180-90	31.0	25.4	20.5	16.6	13.0	10.1	7.4
42	10	12" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-42P-10-H180-90	32.9	26.9	21.6	17.3	13.3	10.2	7.4
48	12	14" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-48P-12-H180-90	37.6	31.0	25.2	20.4	16.0	12.4	
48 - 2R	12	14" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-48P2R-12-H180-90	38.9	32.4	26.5	21.7	17.3	12.8	
48 - 3R	14	14" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-48P3R-14-H180-90	51.6	43.5	36.4	29.8	23.8	18.6	

Extra Heavy Series : Supports Heavy Series Loading + Switchback or Wrap Around Stair System

Pulley Size (in.)	Face Size (ft.)	Typical Distributor	Spouting Length (ft.)	Est. Catwalk Elevation (ft.)	Wind & Ice Requirements	Extra Heavy Series - Available Heights / Weights (Kips)							
						Base Design #	180'	160'	140'	120'	100'	80'	60'
16	6	6" x 6 Hole	40	Top - 22.5'	90mph / 50mph 1"ice								
24	8	8" x 6 Hole	60	Top - 22.5'	90mph / 50mph 1"ice								
30	8	10" x 8 Hole	60	Top - 22.5'	90mph / 50mph 1"ice								
36	10	12" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-36P-10-EEH180-90	40.1	34.0	28.1	22.4	17.5	13.1	9.3
42	10	12" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-42P-10-EEH180-90	41.9	35.4	29.2	23.3	18.4	14.0	10.3
48	12	14" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-48P-12-EH180-90	46.4	39.4	32.5	26.1	20.8	15.5	
48 - 2R	12	14" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-48P2R-12-EH180-90	48.2	40.6	33.9	27.1	21.5	16.5	
48 - 3R	14	14" x 8 Hole	80	Top - 22.5'	90mph / 50mph 1"ice	A-48P3R-14-EH180-90	62.3	52.4	44.1	36.4	28.3	21.5	

Design Standards

- Structures are designed in accordance with IBC 2009 Standards for a 90 mph 3-second peak gust with no ice and 50 mph w/1" ice; per ACSE 7-05, Exposure Category C, Importance Factor .87.
- Ice is considered to increase in thickness with height.
- Structures are also designed to meet IBC 2012 Standards for a 105 mph 3-second peak gust with no ice and 50 mph with 1" ice; per ASCE 7-10, Exposure Category C, Risk Category I.
- Special tower bracing may be required for catwalk/walk-thru truss support where applicable. & many more

Our other range of products includes

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All specifications and designs are subject to change without notice due to continuous product improvement.