

SCOREBOARD DIMENSIONS AND SPECIFICATIONS						
MODEL	LENGTH	HEIGHT	WEIGHT	WEIGHT W/ETN	Max "A"	Min "A"
1604, 1604PC	28'	8' 3/16"	650	712	20'	14'
1606, 1606PC, 3615, 3617, 3618, 3619, 7630 7631, 7632	24'	8' 3/16"	570	632	16'	13'
3685,7685	24'	8' 3/16"	N/A	740	16'	13'
7605, 7615, 7625	24'	10' 6 9/32"	730	792	16'	13'
8601, 8602	24'	8' 3/16"	970	1032	16'	13'
3621	20'	8' 3/16"	520	582	18'	12'
3682	20'	8' 3/16"	N/A	690	18'	12'

- General Notes:
1. Column steel to be grade A992 (50 ksi steel minimum).
  2. Bracing steel to be ASTM A500 Grade B minimum (see note 2 on sheets 4-10).
  3. Minimum bolt grade: A307
  4. All welds to conform to AWS standards
  5. The dimensions in the charts on sheets 4-10 are calculated using the requirements specified in IBC 2012, and the Manual of Steel Construction (13th Edition). Soil lateral bearing pressure is considered to be 150 psf/f.
  6. Check with the local building authority to determine the installation sites wind zone and risk category as specified in IBC 2012 and ASCE 7-10. For the purposes of these installation prints, Risk Category I shall apply to an installation where the scoreboard is more than 1.5 x the overall height away from the nearest spectator section. Risk Category II shall apply to all other installations.
  7. The weights of signs to be calculated using 2.2 lb/sq. ft of sign area.
  8. The weights of Nevco message centers to be calculated using 8.5 lb/sq ft.
  9. The weights of Nevco video displays to be calculated using 9.5 lbs/sq. ft.
  10. The weights of Nevco arches to be calculated using 2.3 lbs/sq. ft.

**Important. Read before installation.**  
This is not an engineered drawing. It is intended for representational purposes only. The dimensions called out on this drawing are intended to be used as a guide only, and are not intended to be suitable for all conditions. Adding signs or other components around the scoreboard beyond the scope of this drawing or increasing the display height from the ground will affect the installation requirements. Nevco recommends that you consult a professional engineer or architect familiar with the area before attempting installation. They can verify that the selected mounting beams or posts along with the brackets, screws, and other hardware items provided by others or Nevco are adequate for your local soil conditions, wind loads and other local codes. If procedures are used that are not covered in this drawing, careful analysis of the installation is urged.

Outdoor Scoreboard Footing Installation  
2/3 Column With Laterals

  
Nevco, Inc.  
Greenville, Illinois 62246

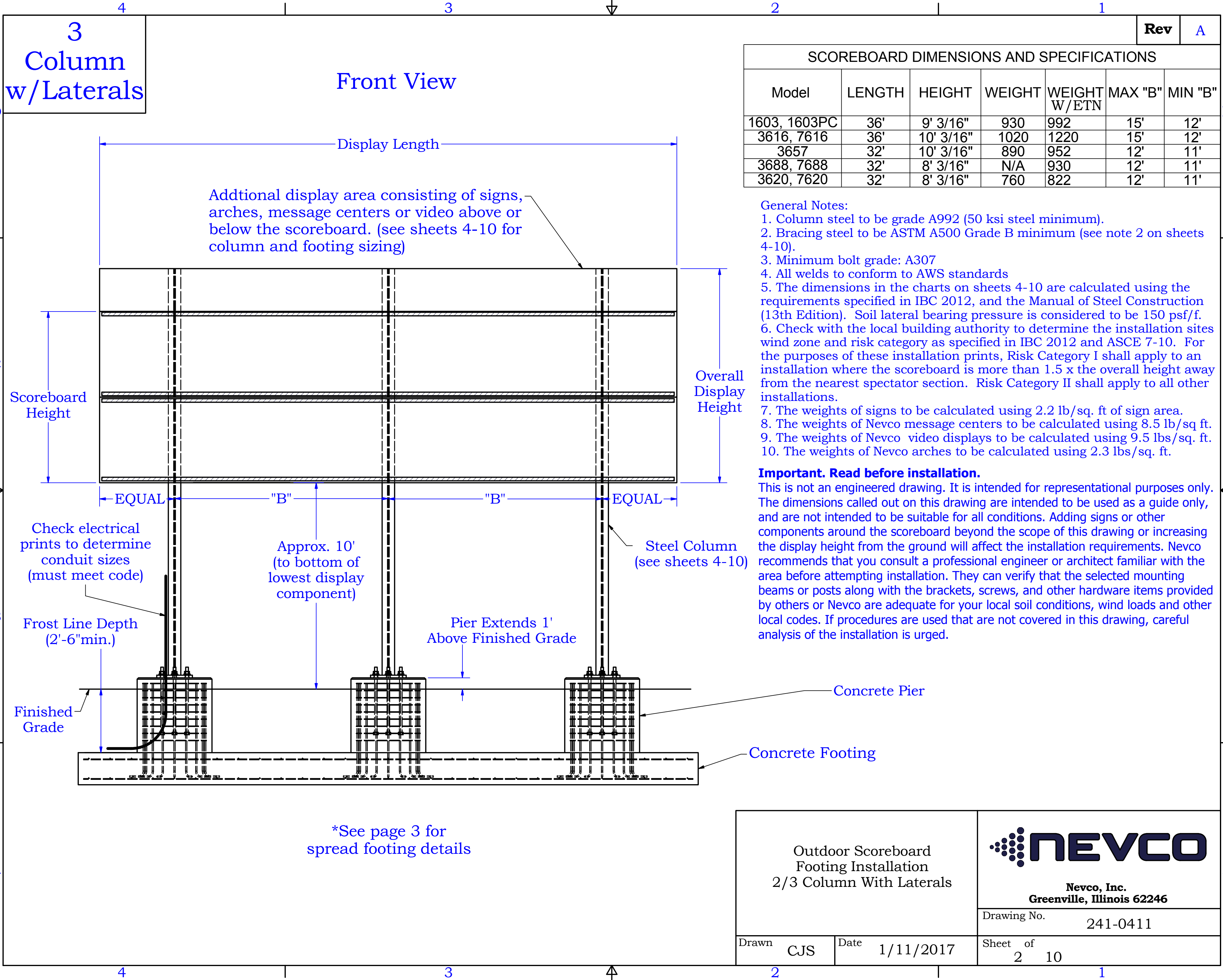
Drawing No. 241-0411

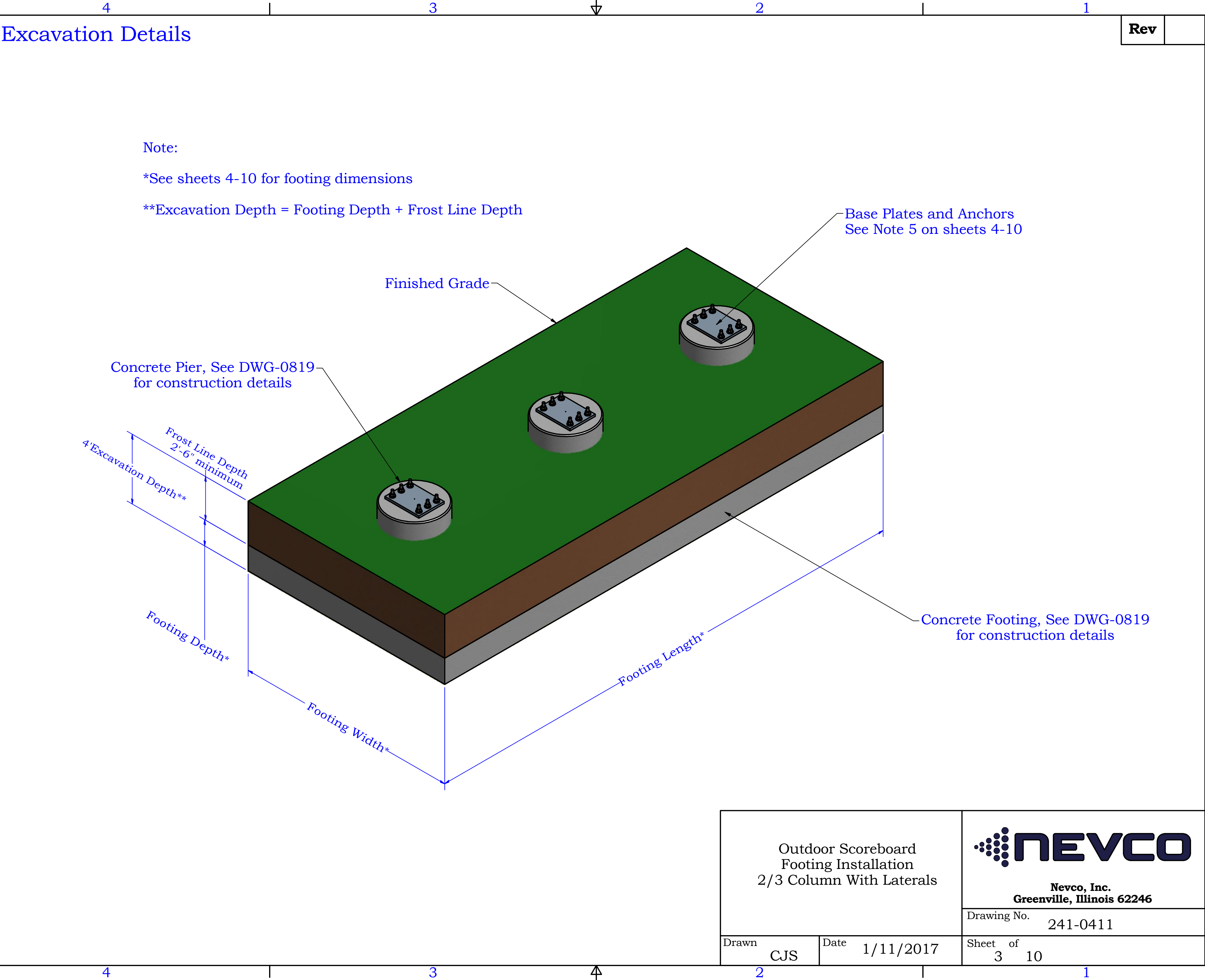
Sheet 1 of 10

Drawn CJS

Date 1/11/2017

\*See page 3 for spread footing details







# 105 MPH WIND ZONES

Rev A

## EXPOSURE C (See Note 3)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W8x21	22	8'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 1	17'
10'	W10x22	22	9'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	19'
12'	W10x26	22	10'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	21'
14'	W12x26	22	11'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	23'
16'	W12x30	22	12'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	25'
18'	W14x34	22	13'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	27'
20'	W16x36	22	14'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	29'
22'	W16x40	22	15'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	31'
25'	W16x50	22	17'	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 10	34'
30'	W18x55	22	19'	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 11	39'
35'	W21x62	22	22'	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	44'
40'	W24x68	22	22'	1'9"	#8s @12in O.C. T&B	5	30	#7	11"	Option 16	49'

20 FEET LONG INSTALLATIONS (2 COLUMNS)

## EXPOSURE B (See Note 4)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W8x18	22	6'6"	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 1	17'
10'	W8x18	22	7'6"	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 1	19'
12'	W10x22	22	8'6"	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	21'
14'	W14x22	22	9'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	23'
16'	W10x26	22	10'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	25'
18'	W12x26	22	11'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	27'
20'	W12x30	22	12'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	29'
22'	W14x34	22	13'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	31'
25'	W16x36	22	14'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	34'
30'	W21x44	22	16'	1'6"	#6s @12in O.C. T&B	5	30	#7	11"	Option 14	39'
35'	W18x55	22	19'	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 11	44'
40'	W21x62	22	21'	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	49'

# 120 MPH WIND ZONES

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W10x22	22	9'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	17'
10'	W10x26	22	10'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	19'
12'	W12x30	22	12'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	21'
14'	W14x34	22	13'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	23'
16'	W18x35	22	14'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 11	25'
18'	W16x40	22	15'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	27'
20'	W14x43	22	16'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 9	29'
22'	W16x50	22	17'	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 10	31'
25'	W18x55	22	19'	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 11	34'
30'	W21x62	22	22'	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	39'
35'	W24x76	22	22'	2'	#8s @12in O.C. T&B	5	30	#7	11"	Option 16	44'
40'	W24x84	22	22'	2'3"	#9s @12in O.C. T&B	5	30	#7	11"	Option 16	49'

20 FEET LONG INSTALLATIONS (2 COLUMNS)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W8x18	22	7'6"	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 1	17'
10'	W10x22	22	8'6"	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	19'
12'	W10x26	22	10'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	21'
14'	W12x26	22	11'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	23'
16'	W12x30	22	12'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	25'
18'	W14x30	22	13'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	27'
20'	W14x34	22	14'	1'6"	#5s @12in O.C. T&B	3	18	#5	8"	Option 8	29'
22'	W16x40	22	15'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	31'
25'	W21x44	22	16'	1'6"	#5s @12in O.C. T&B	5	30	#7	11"	Option 14	34'
30'	W18x55	22	19'	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 11	39'
35'	W21x62	22	21'	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	44'
40'	W24x68	22	22'	1'9"	#8s @12in O.C. T&B	5	30	#7	11"	Option 16	49'

# 130 MPH WIND ZONES

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W10x26	22	10'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	17'
10'	W12x26	22	11'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	19'
12'	W14x30	22	13'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	21'
14'	W14x34	22	14'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	23'
16'	W16x40	22	15'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	25'
18'	W21x44	22	16'	1'6"	#5s @12in O.C. T&B	5	30	#7	11"	Option 14	27'
20'	W16x50	22	17'	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 10	29'
22'	W18x55	22	19'	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 11	31'
25'	W21x62	22	20'	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	34'
30'	W24x68	22	22'	1'9"	#8s @12in O.C. T&B	5	30	#7	11"	Option 16	39'
35'	W24x84	22	22'	2'3"	#9s @12in O.C. T&B	5	30	#7	11"	Option 16	44'
40'	W21x101	22	22'	2'9"	#10s @12in O.C. T&B	5	30	#7	11"	Option 15	49'

20 FEET LONG INSTALLATIONS (2 COLUMNS)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W8x21	22	8'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 1	17'
10'	W10x22	22	9'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	19'
12'	W12x26	22	10'6"	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	21'
14'	W12x30	22	11'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	23'
16'	W14x30	22	13'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	25'
18'	W14x34	22	14'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	27'
20'	W16x36	22	15'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	29'
22'	W14x43	22	16'	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 9	31'
25'	W16x50	22	18'	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 10	34'
30'	W21x55	22	20'	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	39'
35'	W21x68	22	22'	1'9"	#8s @12in O.C. T&B	5	30	#7	11"	Option 14	44'
40'	W24x76	22	22'	2'	#9s @12in O.C. T&B	5	30	#7	11"	Option 16	49'

### Chart Notes:

- If the display height is between chart values shown above, use the next highest value.
- All installations will be braced with laterals placed at 10' increments on front and back of the column starting at 10' above grade. See 241-0415 for lateral sizes.
- Wind loading figured at **Exposure "C" - Open terrain** with scattered obstructions having heights generally less than 30 feet. This category includes flat open country, grasslands, and all water surfaces in hurricane prone areas.
- Wind loading figured at **Exposure "B" - Urban and suburban areas**, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger. These areas prevail in the upwind direction for a distance of 2600 feet or 20 times the structure height, whichever is greater.
- \*\*Please see DWG-0818 to determine base plate and anchor sizes from the option listed above.
- Quantity of Pier reinforcements listed is **PER PIER**.

Outdoor Scoreboard  
Footing Installation  
2/3 Column With Laterals



Nevco, Inc.  
Greenville, Illinois 62246

Drawing No. 241-0411

Drawn CJS Date 1/11/2017

Sheet of 4 10



EXPOSURE C (See Note 3)											
Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8	W12x26	22	11'	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	17
10	W14x30	22	13	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	19
12	W16x36	22	14	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	21
14	W16x40	22	16	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	23
16	W16x50	22	17	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 10	25
18	W18x50	22	18	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 11	27
20	W21x55	22	20	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	29
22	W21x62	22	21	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	31
25	W24x68	22	22	1'9"	#8s @12in O.C. T&B	5	30	#7	11"	Option 16	34
30	W24x84	22	22	2'3"	#9s @12in O.C. T&B	5	30	#7	11"	Option 16	39
35	W24x103	22	22	3'	#10s @12in O.C. T&B	5	30	#7	11"	Option 16	44
40	W24x117	22	22	3'9"	#11s @12in O.C. T&B	5	30	#7	11"	Option 17	49

20 FEET LONG INSTALLATIONS (2 COLUMNS)

180 MPH WIND ZONES											
Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8	W14x34	22	13	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	17
10	W16x40	22	15	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 10	19
12	W14x48	22	17	1'6"	#5s @12in O.C. T&B	4	24	#6	9"	Option 9	21
14	W18x55	22	19	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 11	23
16	W21x55	22	20	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	25
18	W21x62	22	22	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	27
20	W24x68	22	22	1'9"	#8s @12in O.C. T&B	5	30	#7	11"	Option 16	29
22	W24x76	22	22	2'	#8s @12in O.C. T&B	5	30	#7	11"	Option 16	31
25	W24x94	22	22	2'6"	#9s @12in O.C. T&B	5	30	#7	11"	Option 16	34
30	W24x104	22	22	3'3"	#10s @12in O.C. T&B	5	30	#7	11"	Option 17	39
35	W24x131	22	22	4'3"	#12s @12in O.C. T&B	5	30	#7	11"	Option 17	44
40	W24x162	22	22	5'3"	#12s @12in O.C. T&B	5	30	#7	11"	Option 18	49

20 FEET LONG INSTALLATIONS (2 COLUMNS)

EXPOSURE B (See Note 4)											
Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8	W10x22	22	9	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 3	17
10	W12x26	22	11	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	19
12	W12x30	22	12	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	21
14	W14x34	22	13	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	23
16	W16x36	22	15	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 10	25
18	W16x40	22	16	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 10	27
20	W21x44	22	17	1'6"	#6s @12in O.C. T&B	5	30	#7	11"	Option 14	29
22	W18x50	22	18	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 11	31
25	W21x55	22	20	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	34
30	W21x68	22	22	1'9"	#8s @12in O.C. T&B	5	30	#7	11"	Option 14	39
35	W24x84	22	22	2'3"	#9s @12in O.C. T&B	5	30	#7	11"	Option 16	44
40	W24x94	22	22	2'9"	#10s @12in O.C. T&B	5	30	#7	11"	Option 16	49

Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8	W12x26	22	11	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 5	17
10	W14x30	22	13	1'6"	#4s @12in O.C. T&B	3	18	#5	8"	Option 8	19
12	W16x36	22	14	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 10	21
14	W16x40	22	16	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 10	23
16	W14x48	22	17	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 9	25
18	W18x50	22	19	1'6"	#6s @12in O.C. T&B	4	24	#6	9"	Option 11	27
20	W21x55	22	20	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	29
22	W21x62	22	22	1'6"	#7s @12in O.C. T&B	5	30	#7	11"	Option 14	31
25	W24x68	22	22	1'9"	#8s @12in O.C. T&B	5	30	#7	11"	Option 16	34
30	W24x84	22	22	2'6"	#9s @12in O.C. T&B	5	30	#7	11"	Option 16	39
35	W24x104	22	22	3'3"	#10s @12in O.C. T&B	5	30	#7	11"	Option 17	44
40	W24x131	22	22	4'	#11s @12in O.C. T&B	5	30	#7	11"	Option 17	49

Chart Notes:  
1. If the display height is between chart values shown above, use the next highest value.  
2. All installations will be braced with laterals placed at 10' increments on front and back of the column starting at 10' above grade. See 241-0415 for lateral sizes.  
3. Wind loading figured at **Exposure "C" - Open terrain** with scattered obstructions having heights generally less than 30 feet. This category includes flat open country, grasslands, and all water surfaces in hurricane prone areas.  
4. Wind loading figured at **Exposure "B" - Urban and suburban areas**, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger. These areas prevail in the upwind direction for a distance of 2600 feet or 20 times the structure height, whichever is greater.  
5. \*\*Please see DWG-0818 to determine base plate and anchor sizes from the option listed above.  
6. Quantity of Pier reinforcements listed is **PER PIER**.

Outdoor Scoreboard  
Footing Installation  
2/3 Column With Laterals

NEVCO

Nevco, Inc.  
Greenville, Illinois 62246

Drawn  
CJS

Date  
1/11/2017

Drawing No.  
241-0411

Sheet of  
5 10

Nevco, Inc.  
Greenville, Illinois 62246

Drawing No. 241-0411

Drawn CJS Date 1/11/2017

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1

105 MPH WIND ZONES

RevA

EXPOSURE C (See Note 3)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W 10x22	26"	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W 10x26	26"	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W 12x26	26"	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W 12x30	26"	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'
16'	W 14x34	26"	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	25'
18'	W 16x36	26"	13'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W 16x40	26"	14'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	29'
22'	W 21x44	26"	15'	1' 6"	#5's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	31'
25'	W 18x55	26"	17'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	34'
30'	W 21x62	26"	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W 24x68	26"	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 24x84	26"	22'	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W 10x22	30"	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W 12x26	30"	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	19'
12'	W 12x30	30"	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W 14x34	30"	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	23'
16'	W 16x36	30"	12'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	25'
18'	W 16x40	30"	13'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W 21x44	30"	14'	1' 6"	#5's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W 16x50	30"	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	31'
25'	W 18x55	30"	17'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	34'
30'	W 21x68	30"	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W 24x76	30"	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 24x94	30"	22'	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W 8x21	34"	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W 10x22	34"	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W 10x26	34"	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
14'	W 12x26	34"	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'
16'	W 12x30	34"	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'
18'	W 14x34	34"	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	27'
20'	W 16x36	34"	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	29'
22'	W 16x40	34"	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	31'
25'	W 21x44	34"	17'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W 18x55	34"	19'	1' 6"	#7's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	39'
35'	W 21x62	34"	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'
40'	W 24x68	34"	22'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
9'	W 10x22	38"	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	18'
10'	W 10x26	38"	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
11'	W 12x26	38"	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	20'
12'	W 12x30	38"	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
13'	W 12x30	38"	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	22'
14'	W 12x30	38"	11'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'
15'	W 14x30	38"	12'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	24'
20'	W 16x40	38"	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	29'
25'	W 18x50	38"	17'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	34'
30'	W 21x55	38"	20'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W 21x68	38"	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'
40'	W 24x84	38"	22'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

EXPOSURE B (See Note 4)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W 8x18	26"	6' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W 8x21	26"	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W 10x22	26"	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
14'	W 10x26	26"	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	23'
16'	W 12x26	26"	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'
18'	W 12x30	26"	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	27'
20'	W 14x34	26"	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	29'
22'	W 18x35	26"	13'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	31'
25'	W 16x40	26"	14'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	34'
30'	W 18x50	26"	17'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	39'
35'	W 21x55	26"	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'
40'	W 21x68	26"	21'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W 8x21	30"	6' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W 10x22	30"	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W 10x26	30"	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
14'	W 12x26	30"	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'
16'	W 12x30	30"	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'
18'	W 14x34	30"	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	27'
20'	W 18x35	30"	12'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	29'
22'	W 16x40	30"	13'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	31'
25'	W 21x44	30"	14'	1' 6"	#5's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W 18x55	30"	17'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	39'
35'	W 21x62	30"	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'
40'	W 24x68	30"	21'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W 10x17	34"	6' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W 8x18	34"	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W 8x21	34"	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	21'
14'	W 10x22	34"	9' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	23'
16'	W 10x26	34"	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	25'
18'	W 12x26	34"	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	27'
20'	W 12x30	34"	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	29'
22'	W 14x34	34"	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	31'
25'	W 18x35	34"	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	34'
30'	W 21x44	34"	17'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W 18x55	34"	19'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	44'
40'	W 21x62	34"	21'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
9'	W 8x21	38"	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	18'
10'	W 8x21	38"	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
11'	W 10x22	38"	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	20'
12'	W 10x22	38"	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
13'	W 14x22	38"	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	22'
14'	W 10x26	38"	9' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	23'
15'	W 12x26	38"	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	24'
20'	W 14x34	38"	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	29'
25'	W 16x40	38"	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	34'
30'	W 16x50	38"	17'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	39'
35'	W 21x55	38"	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'
40'	W 21x68	38"	21'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	49'

Chart Notes:

1. If the display height is between chart values shown above, use the next highest value.

2. All installations will be braced with laterals placed at 10' increments on front and back of the column starting at 10' above grade. See 241-0415 for lateral sizes.

3. Wind loading figured at **Exposure "C" - Open terrain** with scattered obstructions having heights generally less than 30 feet. This category includes flat open country, grasslands, and all water surfaces in hurricane prone areas.

4. Wind loading figured at **Exposure "B" - Urban and suburban areas**, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger. These areas prevail in the upwind direction for a distance of 2600 feet or 20 times the structure height, whichever is greater.

5. \*\*Please see DWG-0818 to determine base plate and anchor sizes from the option listed above.

6. Quantity of Pier reinforcements listed is **PER PIER**.

Outdoor Scoreboard  
Footing Installation  
2/3 Column With Laterals

NEVCO

Nevco, Inc.  
Greenville, Illinois 62246

Drawing No.  
241-0411

Sheet 6 of 10

Drawn  
CJS

Date  
1/11/2017

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24 FEET LONG INSTALLATIONS (2 COLUMNS)

28 FEET LONG INSTALLATIONS (2 COLUMNS)

32 FEET LONG INSTALLATIONS (3 COLUMNS)

36 FEET LONG INSTALLATIONS (3 COLUMNS)

A

A



EXPOSURE C (See Note 3)											
Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W 10x26	26'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W 12x26	26'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	19'
12'	W 14x30	26'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	21'
14'	W 18x35	26'	13'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	23'
16'	W 16x40	26'	14'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	25'
18'	W 21x44	26'	15'	1' 6"	#5's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	27'
20'	W 16x50	26'	16'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	29'
22'	W 18x55	26'	17'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	31'
25'	W 21x62	26'	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W 24x68	26'	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W 24x84	26'	22'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 21x101	26'	22'	2' 6"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 15	49'

Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W 12x26	30'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	17'
10'	W 12x30	30'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	19'
12'	W 14x34	30'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	21'
14'	W 16x40	30'	13'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	23'
16'	W 21x44	30'	14'	1' 6"	#5's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	25'
18'	W 16x50	30'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W 18x55	30'	16'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	29'
22'	W 21x55	30'	17'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	31'
25'	W 21x62	30'	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W 24x76	30'	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W 24x94	30'	22'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 24x104	30'	22'	2' 6"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'

Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W 10x22	34'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W 10x26	34'	10' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W 12x30	34'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W 14x30	34'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	23'
16'	W 14x34	34'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	25'
18'	W 16x40	34'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W 14x43	34'	17'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 9	29'
22'	W 16x50	34'	18'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	31'
25'	W 18x55	34'	19'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	34'
30'	W 21x62	34'	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W 24x76	34'	22'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 24x84	34'	22'	2' 6"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
9'	W 10x26	38'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	18'
10'	W 12x26	38'	10' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	19'
11'	W 12x30	38'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	20'
12'	W 14x30	38'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	21'
13'	W 14x34	38'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	22'
14'	W 14x34	38'	13'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	23'
15'	W 16x36	38'	14'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	24'
20'	W 16x50	38'	17'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	29'
25'	W 21x55	38'	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W 21x68	38'	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W 24x76	38'	22'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 21x101	38'	22'	2' 6"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 15	49'

**Chart Notes:**

- If the display height is between chart values shown above, use the next highest value.
- All installations will be braced with laterals placed at 10' increments on front and back of the column starting at 10' above grade. See 241-0415 for lateral sizes.
- Wind loading figured at **Exposure "C" - Open terrain** with scattered obstructions having heights generally less than 30 feet. This category includes flat open country, grasslands, and all water surfaces in hurricane prone areas.
- Wind loading figured at **Exposure "B" - Urban and suburban areas**, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger. These areas prevail in the upwind direction for a distance of 2600 feet or 20 times the structure height, whichever is greater.
- \*\*Please see DWG-0818 to determine base plate and anchor sizes from the option listed above.
- Quantity of Pier reinforcements listed is **PER PIER**.

EXPOSURE B (See Note 4)											
Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W8x21	26'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W 10x22	26'	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W 12x26	26'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W 12x30	26'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'
16'	W 14x30	26'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	25'
18'	W 14x34	26'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	27'
20'	W 16x40	26'	14'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	29'
22'	W 14x43	26'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 9	31'
25'	W 18x50	26'	16'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	34'
30'	W 21x55	26'	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W 21x68	26'	21'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'
40'	W 24x76	26'	22'	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W 10x22	30'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W 10x26	30'	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W 12x26	30'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W 14x30	30'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	23'
16'	W 14x34	30'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	25'
18'	W 16x40	30'	13'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W 14x43	30'	14'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 9	29'
22'	W 14x48	30'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 9	31'
25'	W 18x55	30'	16'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	34'
30'	W 21x62	30'	19'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W 24x76	30'	21'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 24x94	30'	21'	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W8x18	34'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W 10x22	34'	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W 14x22	34'	9' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	21'
14'	W 12x26	34'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'
16'	W 12x30	34'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'
18'	W 14x30	34'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	27'
20'	W 14x34	34'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	29'
22'	W 16x36	34'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	31'
25'	W 14x43	34'	17'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 9	34'
30'	W 18x50	34'	19'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	39'
35'	W 21x62	34'	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'
40'	W 24x68	34'	21'	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

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150 MPH WIND ZONES

EXPOSURE C (See Note 3)

Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W 12x30	26"	11"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	17'
10'	W 18x35	26"	13"	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	19'
12'	W 16x40	26"	14"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	21'
14'	W 16x50	26"	16"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	23'
16'	W 18x55	26"	17"	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	25'
18'	W 21x55	26"	19"	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	27'
20'	W 21x62	26"	20"	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W 21x68	26"	21"	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	31'
25'	W 24x76	26"	22"	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	34'
30'	W 21x101	26"	22"	2' 3"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 15	39'
35'	W 24x117	26"	22"	3'	#10's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	44'
40'	W 24x146	26"	22"	3' 9"	#11's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'

24 FEET LONG INSTALLATIONS (2 COLUMNS)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W 14x34	30"	11"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	17'
10'	W 16x40	30"	13"	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	19'
12'	W 21x44	30"	14"	1' 6"	#5's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	21'
14'	W 18x50	30"	16"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	23'
16'	W 21x55	30"	18"	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	25'
18'	W 21x62	30"	19"	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	27'
20'	W 21x68	30"	20"	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W 18x76	30"	22"	1' 6"	#7's @ 12in O.C. T&B	4'6"	27	#6	9"	Option 12	31'
25'	W 24x84	30"	22"	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	34'
30'	W 24x104	30"	22"	2' 6"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	39'
35'	W 24x131	30"	22"	3'	#10's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	44'
40'	W 24x162	30"	22"	3' 9"	#11's @ 12in O.C. T&B	5'	30	#7	11"	Option 18	49'

28 FEET LONG INSTALLATIONS (2 COLUMNS)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W 12x26	34"	11"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	17'
10'	W 14x30	34"	13"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	19'
12'	W 18x35	34"	15"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	21'
14'	W 16x40	34"	16"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	23'
16'	W 21x44	34"	17"	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	25'
18'	W 18x50	34"	19"	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	27'
20'	W 21x55	34"	20"	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W 21x62	34"	22"	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	31'
25'	W 21x68	34"	22"	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W 24x84	34"	22"	2' 6"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W 21x101	34"	22"	3'	#10's @ 12in O.C. T&B	5'	30	#7	11"	Option 15	44'
40'	W 24x117	34"	22"	3' 9"	#11's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'

32 FEET LONG INSTALLATIONS (3 COLUMNS)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
9'	W 14x34	38"	12"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	18'
10'	W 14x34	38"	13"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	19'
11'	W 16x36	38"	14"	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	20'
12'	W 16x40	38"	15"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	21'
13'	W 14x43	38"	15"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 9	22'
14'	W 21x44	38"	16"	1' 6"	#5's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	23'
15'	W 16x50	38"	17"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	24'
20'	W 21x62	38"	20"	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
25'	W 24x76	38"	22"	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	34'
30'	W 24x94	38"	22"	2' 6"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W 24x104	38"	22"	3'	#10's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	44'
40'	W 24x146	38"	22"	3' 9"	#11's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'

36 FEET LONG INSTALLATIONS (3 COLUMNS)

EXPOSURE B (See Note 4)

Column and Foundation Requirements (Based on ASCE 7-10)											
Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W 10x26	26"	9"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W 12x30	26"	11"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	19'
12'	W 14x34	26"	12"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	21'
14'	W 16x36	26"	13"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	23'
16'	W 16x40	26"	15"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	25'
18'	W 14x48	26"	16"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 9	27'
20'	W 18x50	26"	17"	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	29'
22'	W 18x55	26"	18"	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	31'
25'	W 21x62	26"	20"	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W 24x76	26"	22"	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W 24x94	26"	22"	2' 3"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 24x104	26"	22"	2' 9"	#10's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W 12x26	30"	9"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	17'
10'	W 14x30	30"	11"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	19'
12'	W 18x35	30"	12"	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	21'
14'	W 16x40	30"	13"	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	23'
16'	W 21x44	30"	15"	1' 6"	#5's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	25'
18'	W 18x50	30"	16"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	27'
20'	W 18x55	30"	17"	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	29'
22'	W 21x62	30"	18"	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	31'
25'	W 21x68	30"	20"	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W 24x84	30"	22"	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W 24x103	30"	22"	2' 3"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 24x117	30"	22"	2' 9"	#10's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W 10x22	34"	9"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W 12x26	34"	11"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	19'
12'	W 12x30	34"	12"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W 14x34	34"	13"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	23'
16'	W 16x36	34"	15"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	25'
18'	W 16x40	34"	16"	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W 21x44	34"	17"	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W 18x50	34"	18"	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	31'
25'	W 21x55	34"	21"	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W 21x68	34"	22"	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W 24x84	34"	22"	2' 3"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W 24x94	34"	22"	2' 9"	#10's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
9'	W12x26	38'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	18'
10'	W12x26	38'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	19'
11'	W12x30	38'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	20'
12'	W14x30	38'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	21'
13'	W14x34	38'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	22'
14'	W18x35	38'	13'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	23'
15'	W16x36	38'	14'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	24'
20'	W18x50	38'	17'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	29'
25'	W21x62	38'	21'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W24x68	38'	22'	1' 9"	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W24x84	38'	22'	2' 3"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W24x104	38'	22'	2' 9"	#10's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'



180 MPH WIND ZONES

EXPOSURE C (See Note 3)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W16x36	26"	13"	1' 6"	#4s @ 12in O.C. T&B	4'	24	#6	9"	Option 10	17'
10'	W21x44	26"	15"	1' 6"	#5s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	19'
12'	W18x50	26"	17"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 11	21'
14'	W21x55	26"	19"	1' 6"	#6s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	23'
16'	W21x62	26"	21"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	25'
18'	W24x68	26"	22"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	27'
20'	W24x76	26"	22"	1' 9"	#8s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	29'
22'	W24x84	26"	22"	2"	#8s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	31'
25'	W24x103	26"	22"	2' 6"	#9s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	34'
30'	W24x131	26"	22"	3' 3"	#10s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	39'
35'	W24x162	26"	22"	4' 3"	#12s @ 12in O.C. T&B	5'	30	#7	11"	Option 18	44'
40'	W24x192	26"	22"	5' 3"	#12s @ 12in O.C. T&B	5'	30	#7	11"	Option 18	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W16x40	30"	13"	1' 6"	#4s @ 12in O.C. T&B	4'	24	#6	9"	Option 10	17'
10'	W16x50	30"	15"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 10	19'
12'	W18x55	30"	17"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 11	21'
14'	W21x62	30"	19"	1' 6"	#6s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	23'
16'	W24x68	30"	21"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	25'
18'	W24x76	30"	22"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	27'
20'	W24x84	30"	22"	1' 9"	#8s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	29'
22'	W24x94	30"	22"	2"	#9s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	31'
25'	W24x104	30"	22"	2' 6"	#9s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	34'
30'	W24x146	30"	22"	3' 3"	#11s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	39'
35'	W24x192	30"	22"	4' 3"	#12s @ 12in O.C. T&B	5'	30	#7	11"	Option 18	44'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
8'	W14x34	34"	14"	1' 6"	#4s @ 12in O.C. T&B	3'	18	#5	8"	Option 8	17'
10'	W16x40	34"	16"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 10	19'
12'	W21x44	34"	17"	1' 6"	#5s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	21'
14'	W18x50	34"	19"	1' 6"	#6s @ 12in O.C. T&B	4'	24	#6	9"	Option 11	23'
16'	W21x55	34"	21"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	25'
18'	W21x62	34"	22"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	27'
20'	W24x68	34"	22"	2"	#8s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	29'
22'	W24x76	34"	22"	2' 3"	#8s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	31'
25'	W24x84	34"	22"	2' 9"	#9s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	34'
30'	W24x104	34"	22"	3' 6"	#11s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	39'
35'	W24x131	34"	22"	4' 6"	#12s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	44'
40'	W24x162	34"	22"	5' 6"	#12s @ 12in O.C. T&B	5'	30	#7	11"	Option 18	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
9'	W16x40	38"	15"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 10	18'
10'	W21x44	38"	16"	1' 6"	#5s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	19'
11'	W16x50	38"	16"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 10	20'
12'	W18x50	38"	17"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 11	21'
13'	W18x55	38"	18"	1' 6"	#6s @ 12in O.C. T&B	4'	24	#6	9"	Option 11	22'
14'	W21x55	38"	19"	1' 6"	#6s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	23'
15'	W21x62	38"	20"	1' 6"	#6s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	24'
20'	W24x76	38"	22"	2"	#8s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	29'
25'	W21x101	38"	21"	2' 6"	#9s @ 12in O.C. T&B	5'	30	#7	11"	Option 15	34'
30'	W24x117	38"	22"	3' 6"	#11s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	39'
35'	W24x146	38"	22"	4' 6"	#12s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	44'
40'	W24x192	38"	22"	5' 3"	#12s @ 12in O.C. T&B	5'	30	#7	11"	Option 18	49'

EXPOSURE B (See Note 4)

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W12x30	26"	11"	1' 6"	#4s @ 12in O.C. T&B	3'	18	#5	8"	Option 5	17'
10'	W14x34	26"	13"	1' 6"	#4s @ 12in O.C. T&B	3'	18	#5	8"	Option 8	19'
12'	W16x40	26"	14"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 10	21'
14'	W14x48	26"	16"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 9	23'
16'	W18x50	26"	17"	1' 6"	#6s @ 12in O.C. T&B	4'	24	#6	9"	Option 11	25'
18'	W21x55	26"	19"	1' 6"	#6s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	27'
20'	W21x62	26"	21"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W21x68	26"	22"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	31'
25'	W24x76	26"	22"	1' 9"	#8s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	34'
30'	W21x101	26"	22"	2' 6"	#9s @ 12in O.C. T&B	5'	30	#7	11"	Option 15	39'
35'	W24x117	26"	22"	3' 3"	#10s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	44'
40'	W24x146	26"	22"	4"	#12s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W14x34	30"	11"	1' 6"	#4s @ 12in O.C. T&B	3'	18	#5	8"	Option 8	17'
10'	W16x36	30"	13"	1' 6"	#4s @ 12in O.C. T&B	4'	24	#6	9"	Option 10	19'
12'	W21x44	30"	14"	1' 6"	#5s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	21'
14'	W18x50	30"	16"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 11	23'
16'	W21x55	30"	17"	1' 6"	#6s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	25'
18'	W21x62	30"	19"	1' 6"	#6s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	27'
20'	W21x68	30"	21"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W18x76	30"	22"	1' 6"	#7s @ 12in O.C. T&B	46"	27	#6	9"	Option 12	31'
25'	W24x84	30"	22"	2"	#8s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	34'
30'	W24x104	30"	22"	2' 6"	#9s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	39'
35'	W24x131	30"	22"	3' 3"	#10s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	44'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
8'	W12x26	34"	11"	1' 6"	#4s @ 12in O.C. T&B	3'	18	#5	8"	Option 5	17'
10'	W14x30	34"	13"	1' 6"	#4s @ 12in O.C. T&B	3'	18	#5	8"	Option 8	19'
12'	W18x35	34"	15"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 11	21'
14'	W16x40	34"	16"	1' 6"	#5s @ 12in O.C. T&B	4'	24	#6	9"	Option 10	23'
16'	W21x44	34"	18"	1' 6"	#6s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	25'
18'	W18x50	34"	19"	1' 6"	#6s @ 12in O.C. T&B	4'	24	#6	9"	Option 11	27'
20'	W21x55	34"	21"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W21x62	34"	22"	1' 6"	#7s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	31'
25'	W21x68	34"	22"	2"	#8s @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W24x84	34"	22"	2' 6"	#9s @ 12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W24x104	34"	22"	3' 3"	#10s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	44'
40'	W24x117	34"	22"	4"	#12s @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'

Column and Foundation Requirements (Based on ASCE 7-10)

Display Height	Braced Column	Spread Footing				Pier and Pier Reinforcement				Anchors and Base Plates**	Column Length
		Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
9'	W14x30	38'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	18'
10'	W14x34	38'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	19'
11'	W16x36	38'	14'	1' 6"	#4's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	20'
12'	W16x40	38'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	21'
13'	W14x43	38'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 9	22'
14'	W21x44	38'	16'	1' 6"	#5's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	23'
15'	W16x50	38'	17'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	24'
20'	W21x62	38'	21'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
25'	W24x76	38'	21'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	34'
30'	W24x94	38'	22'	2' 6"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W24x104	38'	22'	3' 3"	#10's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	44'
40'	W24x146	38'	22'	4'	#12's @ 12in O.C. T&B	5'	30	#7	11"	Option 17	49'