


						Rev	B
1 Row Scoreboards (See 241-0413 for bracket dimensions)							
Model	Length	Height	Weight	Weight w/ETN	Dim "A"	Dim "B"	
1650	8'	3' 3/32"	90	N/A	1'	6'	
1610, 1620, 3650	10'	4' 3/32"	130	N/A	1'	8'	
1625, 1612PC	10'	5' 3/32"	160	N/A	1'	8'	
1632, 3602	12'	5' 3/32"	180	235	2'	8'	
9652	9'	4' 3/32"	110	N/A	6"	8'	
1600	16'	5' 3/16"	260	315	4'	8'	
5633	18'	2' 3/32"	150	N/A	4'	10'	
PCD-08/PCD-08-1	8'	18 3/32"	50	N/A	1'	6'	
PCD-10/PCD-10-1	10'	2' 3/32"	80	N/A	1'	8'	
PCD-16/PCD-16-1	16'	2' 3/32"	130	N/A	4'	8'	
PCD-18/PCD-18-1	18'	2' 3/32"	150	N/A	4'	10'	
2 Row Scoreboards (See 241-0413 for bracket dimensions)							
Model	Length	Height	Weight	Weight w/ETN	Dim "A"	Dim "B"	
9660	10'	6' 3/16"	200	N/A	1'	8'	
5625	12'	8' 3/16"	290	N/A	2'	8'	
3655, 3658	16'	5' 3/16"	260	315	4'	8'	
1609, 1635	16'	6' 3/16"	290	345	4'	8'	
1615	16'	7' 9/32"	350	405	4'	8'	
1617PC	16'	7' 3/16"	370	425	4'	8'	
1608, 5634	18'	6' 3/16"	320	375	4'	10'	
1630, 1640, 3600 3614, 3634, 3656 5635	18'	8' 3/16"	420	482	4'	10'	
3625	18'	9' 3/16"	460	522	4'	10'	
3680	18'	8' 3/16"	N/A	590	4'	10'	
3 Row Scoreboards (See 241-0413 for bracket dimensions)							
Model	Length	Height	Weight	Weight w/ETN	Dim "A"	Dim "B"	
7680	18'	10' 6 5/8"	N/A	710	4'	10'	
7604, 7614, 7624	18'	10' 6 9/32"	530	592	4'	10'	
9650	16'	10' 3/16"	490	N/A	4'	8'	

- 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 3-7).
 3. Minimum bolt grade: A307
 4. All welds to conform to AWS standards
 5. The dimensions in the charts on sheets 3-7 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 Column



Nevco, Inc.
Greenville, Illinois 62246

Drawn
CJS

Date
12/14/2018

Drawing No.
241-0409

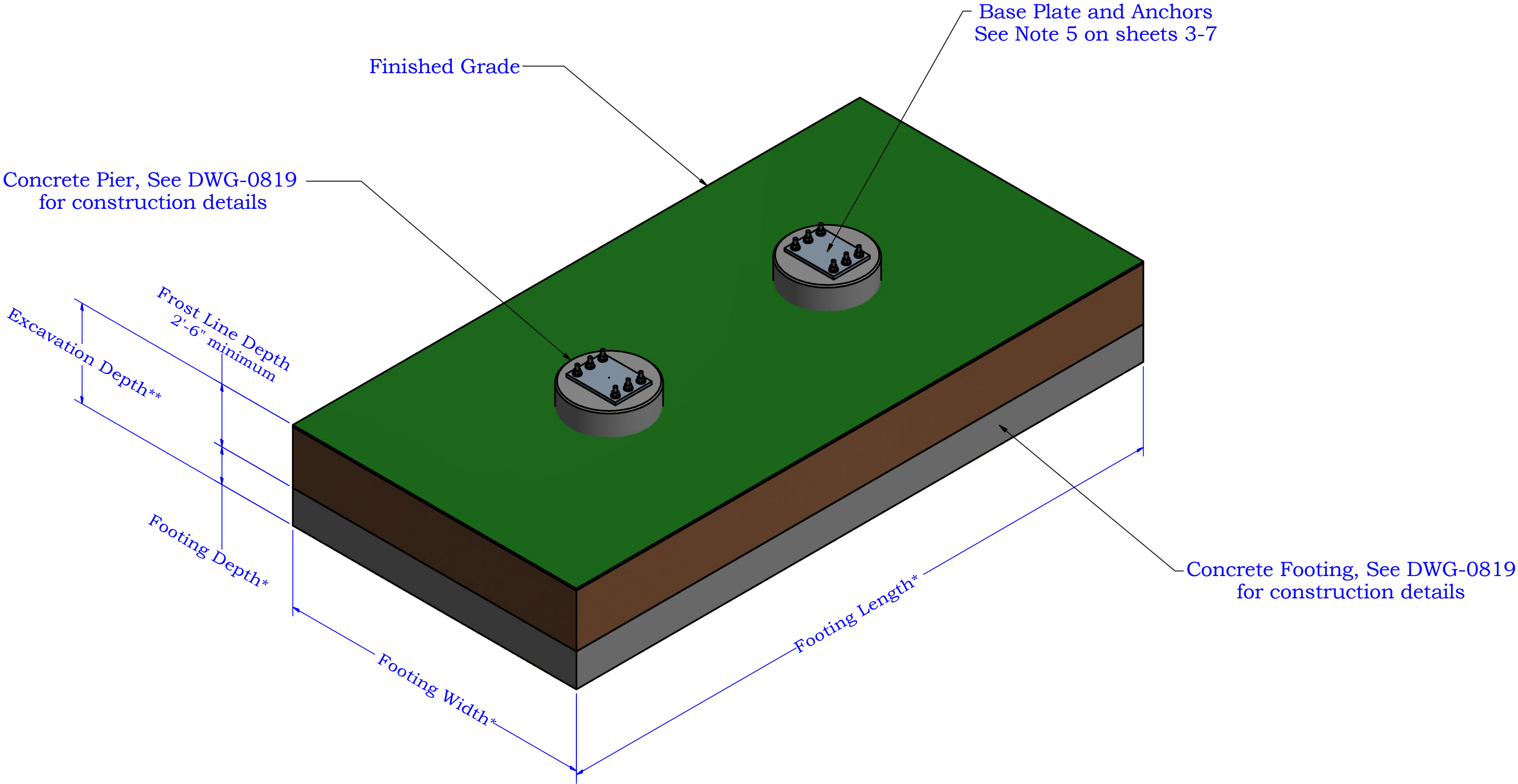
Sheet
1 of 7


Excavation Details

Note:

*See sheets 3-7 for footing dimensions

**Excavation Depth = Footing Depth + Frost Line Depth



Outdoor Scoreboard Footing Installation 2 Column		 Nevco, Inc. Greenville, Illinois 62246	
		Drawing No. 241-0409	
Drawn CJS	Date 12/14/2018	Sheet 2 of 7	

4				3				2				1				Rev		A	
105 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										
6'	W 10x17	20'	6'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	15'								
8'	W 8x21	20'	8'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'								
9'	W 8x21	20'	8'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	18'								
10'	W 10x22	20'	9'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'								
10'6"	W 10x22	20'	9'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'6"								
12'	W 10x26	20'	10'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'								
14'	W 12x26	20'	11'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'								
16'	W 12x30	20'	12'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'								
18'	W 14x30	20'	13'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	27'								
20'	W 18x35	20'	14'	1'6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	29'								
22'	W 16x40	20'	15'	1'6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	31'								
25'	W 21x44	20'	17'	1'6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'								
30'	W 18x55	20'	19'	1'6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	39'								
35'	W 21x62	20'	21'	1'6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'								
40'	W 21x68	20'	21'	2'	#8'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										
5'	W 10x15	18'	6'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	14'								
6'	W 10x17	18'	6'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	15'								
7'	W 8x18	18'	7'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	16'								
8'	W 8x18	18'	8'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'								
10'	W 8x21	18'	9'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'								
12'	W 10x22	18'	10'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'								
14'	W 10x26	18'	11'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	23'								
16'	W 12x26	18'	12'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'								
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										
5'	W 8x13	14'	6'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'								
8'	W 10x17	14'	8'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'								
10'	W 8x18	14'	9'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'								
12'	W 8x21	14'	10'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	21'								
15'	W 14x22	14'	12'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	24'								
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										
4'	W 8x13	12'	5'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	13'								
5'	W 8x13	12'	6'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'								
6'	W 8x13	12'	6'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'								
8'	W 8x15	12'	8'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'								
10'	W 8x18	12'	9'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'								
12'	W 8x18	12'	10'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	21'								
15'	W 10x22	12'	11'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	24'								
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										
4'	W 8x13	11'	5'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	13'								
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										
3'	W 8x13	10'	5'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	12'								
6'	W 8x13	10'	6'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'								
8'	W 12x14	10'	8'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	17'								
10'	W 10x17	10'	9'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'								
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										
6'	W 12x14	20'	5'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	15'								
8'	W 10x17	20'	6'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'								
9'	W 8x18	20'	7'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	18'								
10'	W 8x18	20'	7'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'								
10'6"	W 8x18	20'	7'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'6"								
12'	W 8x21	20'	8'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	21'								
14'	W 10x22	20'	9'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	23'								
16'	W 10x26	20'	10'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	25'								
18'	W 12x26	20'	11'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	27'								
20'	W 12x30	20'	12'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	29'								
22'	W 14x30	20'	13'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	31'								
25'	W 18x35	20'	14'	1'6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	34'								
30'	W 14x43	20'	16'	1'6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 9	39'								
35'	W 18x50	20'	18'	1'6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	44'								
40'	W 21x55	20'	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										
5'	W 8x13	18'	5'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'								
6'	W 8x13	18'	5'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'								
7'	W 10x15	18'	6'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	16'								
8'	W 8x15	18'	6'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'								
10'	W 8x18	18'	7'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'								
12'	W 8x21	18'	8'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	21'								
14'	W 10x22	18'	9'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	23'								
16'	W 10x22	18'	10'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	25'								
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										
5'	W 8x13	14'	5'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'								
8'	W 12x14	14'	6'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	17'								
10'	W 8x15	14'	7'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'								
12'	W 8x18	14'	8'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	21'								
15'	W 8x21	14'	10'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	24'								
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										
4'	W 8x13	12'	4'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	13'								
5'	W 8x13	12'	5'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'								
6'	W 8x13	12'	5'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'								
8'	W 8x13	12'	6'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'								
10'	W 10x15	12'	7'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'								
12'	W 10x17	12'	8'	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'								
15'	W 8x18	12'	9'6"	1'6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	24'								
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										
4'	W 8x13	11'	4'6"	1'6"	#4's														

4	3	2	1	Rev	A						
120 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		
6'	W8x18	20'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W10x22	20'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
9'	W10x22	20'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	18'
10'	W10x26	20'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
10'6"	W10x26	20'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'6"
12'	W12x26	20'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W12x30	20'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'
16'	W14x34	20'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	25'
18'	W16x36	20'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W16x40	20'	16'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	29'
22'	W21x44	20'	17'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	31'
25'	W18x50	20'	19'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	34'
30'	W21x62	20'	22'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W24x68	20'	21'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W24x84	20'	22'	2' 3"	#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		
5'	W10x17	18'	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	14'
6'	W8x18	18'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'
7'	W8x21	18'	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	16'
8'	W8x21	18'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W14x22	18'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	19'
12'	W12x26	18'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W12x30	18'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'
16'	W14x30	18'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	25'
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		
5'	W10x15	14'	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	14'
8'	W8x18	14'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W8x21	14'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W10x22	14'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
15'	W12x26	14'	13'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	24'
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		
4'	W8x13	12'	6' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	13'
5'	W12x14	12'	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	14'
6'	W8x15	12'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W8x18	12'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W8x18	12'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W10x22	12'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
15'	W10x26	12'	13'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	24'
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		
4'	W8x13	11'	6' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	13'
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		
3'	W8x13	10'	5' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	12'
6'	W12x14	10'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	15'
8'	W10x17	10'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W8x18	10'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W8x21	10'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	21'
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		
6'	W10x17	20'	6'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	15'
8'	W8x18	20'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
9'	W8x21	20'	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	18'
10'	W8x21	20'	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
10'6"	W10x22	20'	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'6"
12'	W10x22	20'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
14'	W10x26	20'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	23'
16'	W12x26	20'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'
18'	W12x30	20'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	27'
20'	W14x34	20'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	29'
22'	W16x36	20'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	31'
25'	W16x40	20'	16'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	34'
30'	W18x50	20'	19'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	39'
35'	W21x55	20'	21'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'
40'	W21x68	20'	21'	2'	#8'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		
5'	W8x13	18'	5' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'
6'	W10x15	18'	6'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	15'
7'	W10x17	18'	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	16'
8'	W8x18	18'	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W8x21	18'	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W10x22	18'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
14'	W10x26	18'	10' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	23'
16'	W12x26	18'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'
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		
5'	W8x13	14'	5' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'
8'	W8x15	14'	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W8x18	14'	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W8x21	14'	9' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	21'
15'	W10x22	14'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	24'
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		
4'	W8x13	12'	5'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	13'
5'	W8x13	12'	5' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'
6'	W8x13	12'	6'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W10x15	12'	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W10x17	12'	8' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5			

4	3	2	1	Rev	B						
130 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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
6'	W8x21	20'	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W10x22	20'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
9'	W10x26	20'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	18'
10'	W12x26	20'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	19'
10'6"	W12x26	20'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	19'6"
12'	W12x30	20'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W14x34	20'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	23'
16'	W16x36	20'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	25'
18'	W16x40	20'	16'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W21x44	20'	17'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W18x50	20'	19'	1' 6"	#6's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	31'
25'	W21x55	20'	20'	1' 6"	#7's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W21x68	20'	21'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W24x76	20'	22'	2' 3"	#9's @ 12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W24x94	20'	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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
5'	W8x18	18'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'
6'	W8x21	18'	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'
7'	W8x21	18'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	16'
8'	W10x22	18'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W10x26	18'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W12x26	18'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W14x30	18'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	23'
16'	W14x34	18'	15'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	25'
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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
5'	W10x17	14'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	14'
8'	W8x21	14'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W10x22	14'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W10x26	14'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
15'	W12x30	14'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	24'
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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
4'	W8x13	12'	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	13'
5'	W10x15	12'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	14'
6'	W10x17	12'	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	15'
8'	W8x18	12'	9' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W8x21	12'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W10x22	12'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
15'	W12x26	12'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	24'
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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
4'	W8x13	11'	7'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	13'
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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
3'	W8x13	10'	6'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	12'
6'	W10x15	10'	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	15'
8'	W8x18	10'	9' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W8x18	10'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W10x22	10'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
18 FEET LONG INSTALLATIONS											
16 FEET LONG INSTALLATIONS											
12 FEET LONG INSTALLATIONS											
10 FEET LONG INSTALLATIONS											
9 FEET LONG INSTALLATIONS											
8 FEET LONG INSTALLATIONS											
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 241-0413 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 .											
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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
6'	W8x18	20'	6' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W8x21	20'	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
9'	W8x21	20'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	18'
10'	W10x22	20'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'
10'6"	W10x22	20'	9' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	19'6"
12'	W10x26	20'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	21'
14'	W12x26	20'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	23'
16'	W12x30	20'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'
18'	W14x34	20'	14'	1' 6"	#5's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	27'
20'	W16x36	20'	15'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	29'
22'	W16x40	20'	16'	1' 6"	#5's @ 12in O.C. T&B	4'	24	#6	9"	Option 10	31'
25'	W21x44	20'	17'	1' 6"	#6's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W18x55	20'	20'	1' 6"	#7's @ 12in O.C. T&B	4'	24	#6	9"	Option 11	39'
35'	W21x62	20'	20'	2'	#8's @ 12in O.C. T&B	5'	30	#7	11"	Option 14	44'
40'	W24x68	20'	22'	2'	#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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
5'	W10x15	18'	6'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	14'
6'	W10x17	18'	6' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	15'
7'	W8x18	18'	7' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	16'
8'	W8x18	18'	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W8x21	18'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W14x22	18'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 8	21'
14'	W10x26	18'	11'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	23'
16'	W12x26	18'	13'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 5	25'
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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
5'	W8x13	14'	6'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	14'
8'	W10x17	14'	8'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W8x18	14'	9'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W8x21	14'	10'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	21'
15'	W10x26	14'	12'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 3	24'
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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
4'	W8x13	11'	5' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	13'
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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook length		
3'	W8x13	10'	5'	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	12'
6'	W8x13	10'	6' 6"	1' 6"	#4's @ 12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W12x14	10'	8'	1' 6"							

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150 MPH WIND ZONES

Rev

B

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
6'	W10x22	20"	9' 6"	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	15'
8'	W12x26	20"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	17'
9'	W12x30	20"	12'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	18'
10'	W12x30	20"	13'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	19'
10 1/2'	W14x30	20"	13'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 8	19 1/2'
12'	W14x34	20"	14'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 8	21'
14'	W16x40	20"	16'	1' 6"	#5's @12in O.C. T&B	4'	24	#6	9"	Option 10	23'
16'	W21x44	20"	17'	1' 6"	#6's @12in O.C. T&B	5'	30	#7	11"	Option 14	25'
18'	W16x50	20"	18'	1' 6"	#6's @12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W18x55	20"	20'	1' 6"	#7's @12in O.C. T&B	4'	24	#6	9"	Option 11	29'
22'	W21x55	20"	21'	1' 6"	#7's @12in O.C. T&B	5'	30	#7	11"	Option 14	31'
25'	W21x68	20"	21'	2"	#8's @12in O.C. T&B	5'	30	#7	11"	Option 14	34'
30'	W24x76	20"	22'	2 3/4"	#9's @12in O.C. T&B	5'	30	#7	11"	Option 16	39'
35'	W24x94	20"	22'	3"	#10's @12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W24x104	20"	22'	3 9/16"	#11'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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
5'	W8x21	18"	9'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	14'
6'	W10x22	18"	9' 6"	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	15'
7'	W14x22	18"	10'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 8	16'
8'	W10x26	18"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W12x30	18"	13'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	19'
12'	W14x34	18"	14'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 8	21'
14'	W16x36	18"	16'	1' 6"	#5's @12in O.C. T&B	4'	24	#6	9"	Option 10	23'
16'	W16x40	18"	17'	1' 6"	#6's @12in O.C. T&B	4'	24	#6	9"	Option 10	25'

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
5'	W8x18	14"	9'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	14'
8'	W10x22	14"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W10x26	14"	13'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W12x26	14"	14'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 5	21'
15'	W14x34	14"	16'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 8	24'

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
4'	W8x15	12"	8'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	13'
5'	W8x18	12"	9'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	14'
6'	W8x18	12"	9' 6"	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W8x21	12"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W14x22	12"	13'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 8	19'
12'	W12x26	12"	14'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 5	21'
15'	W12x30	12"	16'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 5	24'

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
4'	W10x15	11"	8'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	13'

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
3'	W8x13	10"	7'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	12'
6'	W8x18	10"	9' 6"	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W8x21	10"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W10x22	10"	12'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W10x26	10"	14'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 3	21'

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
6'	W8x18	20"	8'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W10x22	20"	9'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	17'
9'	W14x22	20"	10'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 8	18'
10'	W10x26	20"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	19'
10 1/2'	W12x26	20"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	19 1/2'
12'	W12x26	20"	12'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W14x30	20"	13'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 8	23'
16'	W14x34	20"	14'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 8	25'
18'	W16x40	20"	16'	1' 6"	#5's @12in O.C. T&B	4'	24	#6	9"	Option 10	27'
20'	W21x44	20"	17'	1' 6"	#6's @12in O.C. T&B	5'	30	#7	11"	Option 14	29'
22'	W16x50	20"	18'	1' 6"	#6's @12in O.C. T&B	4'	24	#6	9"	Option 10	31'
25'	W18x55	20"	20'	1' 6"	#7's @12in O.C. T&B	4'	24	#6	9"	Option 11	34'
30'	W21x62	20"	21'	2"	#8's @12in O.C. T&B	5'	30	#7	11"	Option 14	39'
35'	W24x76	20"	22'	2 3/4"	#9's @12in O.C. T&B	5'	30	#7	11"	Option 16	44'
40'	W24x94	20"	22'	2 9/16"	#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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
5'	W10x17	18"	7'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	14'
6'	W8x18	18"	8'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	15'
7'	W8x21	18"	8' 6"	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	16'
8'	W8x21	18"	9'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W10x26	18"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W12x26	18"	12'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	21'
14'	W12x30	18"	13'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	23'
16'	W14x34	18"	14'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 8	25'

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
5'	W10x15	14"	7'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	14'
8'	W8x18	14"	9'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W10x22	14"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	19'
12'	W14x22	14"	12'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 8	21'
15'	W12x26	14"	14'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 5	24'

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
4'	W8x13	12"	6' 6"	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	13'
5'	W12x14	12"	7'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	14'
6'	W8x15	12"	8'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	15'
8'	W8x18	12"	9'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	17'
10'	W8x21	12"	11'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W10x22	12"	12'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	21'
15'	W10x26	12"	14'	1' 6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 3	24'

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
4'	W8x13	11"	6' 6"	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	13'

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 Width	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length		
3'	W8x13	10"	6'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	12'
6'	W12x14	10"	8'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	15'
8'	W10x17	10"	9'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	17'
10'	W8x18	10"	10'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	19'
12'	W8x21	10"	12'	1' 6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	21'

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 241-0413 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 Column

NEVCO

Nevco, Inc.

Greenville, Illinois 62246

Drawing No.
241-0409

Drawn
CJS

Date
12/14/2018

Sheet
6 of 7

4				3				2				1				Rev		B									
180 MPH WIND ZONES																											
EXPOSURE C (See Note 3)														EXPOSURE B (See Note 4)													
Column and Foundation Requirements (Based on ASCE 7-10)														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	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						Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length				
6'	W12x26	20'	11'	1'6"	#4's @12in O.C. T&B	3'	3,4	#5	8"	Option 5	15'	6'	W10x22	20'	9'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	15'				
8'	W14x30	20'	13'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 8	17'	8'	W12x26	20'	11'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	17'				
9'	W14x34	20'	14'	1'6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 8	18'	9'	W12x26	20'	12'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	18'				
10'	W16x36	20'	15'	1'6"	#5's @12in O.C. T&B	4'	24	#6	9"	Option 10	19'	10'	W12x30	20'	13'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	19'				
10'6"	W16x40	20'	16'	1'6"	#5's @12in O.C. T&B	4'	24	#6	9"	Option 10	19'6"	10'6"	W14x30	20'	13'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 8	19'6"				
12'	W21x44	20'	17'	1'6"	#5's @12in O.C. T&B	5'	30	#7	11"	Option 14	21'	12'	W14x34	20'	14'	1'6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 8	21'				
14'	W16x50	20'	19'	1'6"	#6's @12in O.C. T&B	4'	24	#6	9"	Option 10	23'	14'	W16x40	20'	16'	1'6"	#5's @12in O.C. T&B	4'	24	#6	9"	Option 10	23'				
16'	W18x55	20'	20'	1'6"	#7's @12in O.C. T&B	4'	24	#6	9"	Option 11	25'	16'	W21x44	20'	17'	1'6"	#6's @12in O.C. T&B	5'	30	#7	11"	Option 14	25'				
18'	W21x62	20'	22'	1'6"	#7's @12in O.C. T&B	5'	30	#7	11"	Option 14	27'	18'	W16x50	20'	19'	1'6"	#6's @12in O.C. T&B	4'	24	#6	9"	Option 10	27'				
20'	W21x68	20'	22'	1'9"	#8's @12in O.C. T&B	5'	30	#7	11"	Option 14	29'	20'	W18x55	20'	20'	1'6"	#7's @12in O.C. T&B	4'	24	#6	9"	Option 11	29'				
22'	W24x68	20'	22'	2"	#8's @12in O.C. T&B	5'	30	#7	11"	Option 16	31'	22'	W21x55	20'	22'	1'6"	#7's @12in O.C. T&B	5'	30	#7	11"	Option 14	31'				
25'	W24x84	20'	22'	2'6"	#9's @12in O.C. T&B	5'	30	#7	11"	Option 16	34'	25'	W21x68	20'	22'	1'9"	#8's @12in O.C. T&B	5'	30	#7	11"	Option 14	34'				
30'	W24x103	20'	22'	3'6"	#10's @12in O.C. T&B	5'	30	#7	11"	Option 16	39'	30'	W24x76	20'	22'	2'6"	#9's @12in O.C. T&B	5'	30	#7	11"	Option 16	39'				
35'	W24x131	20'	22'	4'3"	#12's @12in O.C. T&B	5'	30	#7	11"	Option 17	44'	35'	W21x101	20'	22'	3'3"	#10's @12in O.C. T&B	5'	30	#7	11"	Option 15	44'				
40'	W24x146	20'	22'	5'3"	#12's @12in O.C. T&B	5'	30	#7	11"	Option 17	49'	40'	W24x117	20'	22'	4'	#11's @12in O.C. T&B	5'	30	#7	11"	Option 17	49'				
Column and Foundation Requirements (Based on ASCE 7-10)														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	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						Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length				
5'	W14x22	18'	10'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 8	14'	5'	W8x21	18'	8'6"	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	14'				
6'	W10x26	18'	11'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	15'	6'	W10x22	18'	9'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	15'				
7'	W12x26	18'	12'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	16'	7'	W10x22	18'	10'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	16'				
8'	W12x30	18'	13'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	17'	8'	W10x26	18'	11'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	17'				
10'	W18x35	18'	15'	1'6"	#5's @12in O.C. T&B	4'	24	#6	9"	Option 11	19'	10'	W12x30	18'	13'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	19'				
12'	W16x40	18'	17'	1'6"	#5's @12in O.C. T&B	4'	24	#6	9"	Option 10	21'	12'	W14x34	18'	14'	1'6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 8	21'				
14'	W21x44	18'	19'	1'6"	#6's @12in O.C. T&B	5'	30	#7	11"	Option 14	23'	14'	W18x35	18'	16'	1'6"	#5's @12in O.C. T&B	4'	24	#6	9"	Option 11	23'				
16'	W18x50	18'	20'	1'6"	#7's @12in O.C. T&B	4'	24	#6	9"	Option 11	25'	16'	W16x40	18'	17'	1'6"	#6's @12in O.C. T&B	4'	24	#6	9"	Option 10	25'				
Column and Foundation Requirements (Based on ASCE 7-10)														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	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						Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length				
5'	W8x21	14'	10'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	14'	5'	W8x18	14'	8'6"	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	14'				
8'	W12x26	14'	13'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 5	17'	8'	W10x22	14'	11'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	17'				
10'	W12x30	14'	15'	1'6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 5	19'	10'	W10x26	14'	13'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	19'				
12'	W14x34	14'	17'	1'6"	#6's @12in O.C. T&B	3'	18	#5	8"	Option 8	21'	12'	W12x26	14'	14'	1'6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 5	21'				
15'	W16x40	14'	19'	1'6"	#6's @12in O.C. T&B	4'	24	#6	9"	Option 10	24'	15'	W14x34	14'	16'	1'6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 8	24'				
Column and Foundation Requirements (Based on ASCE 7-10)														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	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						Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length				
4'	W8x18	12'	9'6"	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	13'	4'	W8x15	12'	8'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	13'				
5'	W8x21	12'	10'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	14'	5'	W10x17	12'	8'6"	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	14'				
6'	W10x22	12'	11'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	15'	6'	W8x18	12'	9'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	15'				
8'	W10x26	12'	13'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	17'	8'	W8x21	12'	11'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	17'				
10'	W12x26	12'	15'	1'6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 5	19'	10'	W10x22	12'	13'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	19'				
12'	W14x30	12'	17'	1'6"	#6's @12in O.C. T&B	3'	18	#5	8"	Option 8	21'	12'	W10x26	12'	15'	1'6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 5	21'				
15'	W16x36	12'	19'	1'6"	#6's @12in O.C. T&B	4'	24	#6	9"	Option 10	24'	15'	W12x30	12'	16'	1'6"	#5's @12in O.C. T&B	3'	18	#5	8"	Option 5	24'				
Column and Foundation Requirements (Based on ASCE 7-10)														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	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						Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length				
4'	W8x18	11'	9'6"	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	13'	4'	W10x15	11'	8'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 3	13'				
Column and Foundation Requirements (Based on ASCE 7-10)														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	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						Footing Length	Footing Width	Footing Depth	Steel Reinforcement	Pier Diameter	Quantity	Size	Hook Length				
3'	W8x15	10'	8'6"	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	12'	3'	W8x13	10'	7'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	12'				
6'	W8x21	10'	11'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"	Option 1	15'	6'	W10x17	10'	9'	1'6"	#4's @12in O.C. T&B	3'	18	#5	8"						