



Rev

		LATE	RAL REQUIREMENTS			
Model	90mph Lateral	130mph Lateral	150mph Lateral	# Laterals Req.	Lateral Length	Bracing Laterals
1603, 3616, 7616	TS 3 x 3 x 1/8	TS 3.5 x 3.5 x 3/16	TS 3.5 x 3.5 x 1/4	4	31' 6"	TS 4 x 3 x 3/16
3657, 3688, 7688	TS 2.25 x 2.25 x 1/4	TS 3 x 3 x 3/16	TS 3 x 3 x 1/4	4	25' 6"	TS 4 x 3 x 3/16
3620, 7620	TS 2.25 x 2.25 x 3/16	TS 3 x 3 x 1/8	TS 3 x 3 x 3/16	4	25' 6"	TS 4 x 3 x 3/16
1604	TS 2.5 x 2.5 x 3/16	TS 3 x 3 x 1/8	TS 3 x 3 x 3/16	4	21' 6"	TS 4 x 3 x 3/16
7605, 7615, 7625	TS 2.5 x 2.5 x 1/4	TS 3.5 x 3.5 x 3/16	TS 3.5 x 3.5 x 1/4	6	17' 6"	TS 4 x 3 x 3/16
1606, 3615, 3617 3618, 3619, 3685, 7630, 7631, 7632, 7685, 8601, 8602	TS 2.5 x 2.5 x 3/16	TS 3 x 3 x 3/16	TS 3.5 x 3.5 x 3/16	4	17' 6"	TS 4 x 3 x 3/16
3621, 3682	TS 2.5 x 2.5 x 3/16	TS 3 x 3 x 3/16	TS 3 x 3 x 3/16	4	19' 6"	TS 4 x 3 x 3/16

## Notes:

- 1) Lateral material to be ASTM A500 Grade B minimum.
- 2) Quantity of laterals in the chart above includes the quantity required to mount the scoreboard only and does not include bracing laterals. (See detail on sheet 7 to determine required amount of bracing laterals).

  3) Additional display components such as signs, message centers or video displays will require additional laterals. See separate installation print for details.

Outdoor Scoreboard Installation 2/3 Column With Laterals



Nevco, Inc. Greenville, Illinois 62246

Drawing No. 241-0360

Drawn 12/14/2018 DBB

Sheet of 10

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					90 MPH WI	ND 2	ZONES				Rev	E
	Co	olumn and Pie	er Requirements	(Based on ASCE 7-0	5)			Column and	l Pier Requireme	ents (Based on ASCE	E 7-05)	
	Display Height	Pier Dia	Pier Depth	Column Length	Column *		Display Height	Pier Dia	Pier Depth	Column Length	Column *	
	8	2' (3')	10' (8'6")	27' (25'6")	W10 x 22	talls 2 Co	8	2' (3')	8'6" (7'6")	25'6" (24'6")	W8 x18	
<b>(7</b>	10	2' (3')	11' (9'6")	30' (28'6")	W10 x 26	st 2	10	2' (3')	9'6" (8')	28'6" (27')	W8 x 21	
•	12	2' (3')	12' (10')	33' (31')	W12 x 26	n.	12	2' (3')	10'6" (9')	31'6" (30')	W14 x 22	
ပ	14	2' (3')	13' (11')	36' (34')	W14 x 30	iii M	14	2' (3')	11' (9'6")	34' (32'6")	W10 x 26	
<u>ၿ</u>	16	2' (3')	14' (11'6")	39' (36'6")	W14 x 34	ide ure	16	2' (3')	11'6" (10')	36'6" (35')	W12 x 26	
<b>\$</b>	18	2' (3')	15'6" (12')	42'6" (39')		ic ur	18	2' (3')	12'6" (10'6")	39'6" (37'6")	W12 x 30	
<b>⋈</b>	20	2' (3')	17' (13')	46' (42')			20	2' (3')	13'6" (11')	42'6" (40')	W14 x 34	
<u> </u>	22	2' (3')	19' (14'6")	50' (45'6")	W16 x 50		22	2' (3')	15' (12')	46' (43')	W16 x 36	
	25	3' (4')	16'6" (13'6")	50'6" (47'6")	W18 x 55	20 xp	25	3' (4')	13' (11'6")	47' (45'6")	W14 x 43	
<u> 6</u>	30	3' (4')	19' (16')	58' (55')	W21 x 62		30	3' (4')	15'6" (13')	54'6" (52')	W18 x 50	
<u> </u>	35	3' (4')	21'6" (18')	65'6" (62')	W24 x 68		35	3' (4')	17'6" (15')	61'6" (59')	W21 x 55	
	40	3' (4')	24'6" (20'6")	73'6" (69'6")	W24 x 84		40	3' (4')	20' (17')	69' (66')	W21 x 68	

## 130 MPH WIND ZONES

			alaman and Di	D i	(Danadan ACCE 7	05)	
		C	olumn and Pi	er Requirements	(Based on ASCE 7-	:05)	
<b>W</b>	$\mathbf{ol}$	Display Height	Pier Dia	Pier Depth	Column Length	Column *	S
	C	8	2' (3')	14' (11'6")	31' (28'6")	W14 x 30	
R	7	10	2' (3')	16' (12'6")	35' (31'6")	W18 x 35	<b>2</b>
S	•	12	2' (3')	18'6" (14'6")	39'6" (35'6")	W14 x 43	<b>V</b>
2	7)	14	2' (3')	20'6" (16')	43'6" (39')	W16 x 50	_ <b>_</b> _
<b>6</b>	6	16	2' (3')	23' (17'6")	48' (42'6")	W18 x 55	a)
7	re	18	2' (3')	25' (19') ´	52' (46')	W21 x 55	J
Wid	Ä	20	2' (3')	27'6" (21')	56'6" (50')	W21 x 62	
	80	22	2' (3')	31' (23'6")	62' (54'6")	W24 x 68	
0	d	25	3' (4')	26' (21'6")	60' (55'6")	W24 x 84	
20,	<b>D</b> xx]	30	3' (4')	30'6" (25')	69'6" (64')	W21 x 101	C
	(E	35	3' (4')	35' (29')	79' (73')	W24 x 117	
		40	3' (4')	39'6" (32'6")	88'6" (81'6")	W24 x 146	

		Column and	l Pier Requireme	ents (Based on ASC	E 7-05)
	Display Height	Pier Dia	Pier Depth	Column Length	Column *
)	8	2' (3')	11'6" (9'6")	28'6" (26'6")	W10 x 26
I	10	2' (3')	12'6" (10'6")	31'6" (29'6")	W12 x 30
	12	2' (3')	14'6" (11'6")	35'6" (32'6")	W14 x 34
1	14	2' (3')	16' (12'6")	39' (35'6")	W16 x 36
1	16	2' (3')	18' (14')	43' (39')	W14 x 43
1	18	2' (3')	19'6" (15')	46'6" (42')	W16 x 50
2	20	2' (3')	21'6" (16'6")	50'6" (45'6")	W18 x 50
5	22	2' (3')	24' (18'6")	55' (49'6")	W21 x 55
Ļ	25	3' (4')	20'6" (17'6")	54'6" (51'6")	W21 x 68
	30	3' (4')	24'6" (20')	63'6" (59')	W24 x 76
•	35	3' (4')	28' (23'6")	72' (67'6")	W24 x 94
	40	3' (4')	31'6" (26'6")	80'6" (75'6")	W24 x 104

## 150 MPH WIND ZONES

		Co	olumn and Pi	er Requirements	(Based on ASCE 7-	05)	
10	<b>o</b>	Display Height	Pier Dia	Pier Depth	Column Length	Column *	7,
	ŭ	8	2' (3')	16'6" (13')	33'6" (30')	W16 x 36	
ु लु	N	10	2' (3')	19'6" (15')	38'6" (34')	W21 x 44	7
St		12	2' (3')	22'6" (17')	43'6" (38')	W18 x 50	
15	<u>.</u>	14	2' (3')	25' (19')	48' (42')	W21 x 55	
		16	2' (3')	28' (21')	53' (46')	W21 x 62	
d	re	18	2' (3')	30'6" (23')	57'6" (50')	W21 x 68	
	3	20	2' (3')	33'6" (25')	62'6" (54')	W24 x 76	
		22	2' (3')	37'6" (28'6")	68'6" (59'6")	W24 x 84	
6	ā	25	3' (4')	31'6" (26')	65'6" (60')	W21 x 101	
10	N X	30	3' (4')	37' (30'6")	76' (69'6")	W24 x 131	_ c
┨``	旦	35	3' (4')	42'6" (35')	86'6" (79')	W24 x 162	
		40	3' (4')	48'6" (39'6")	97'6" (88'6")	W24 x 192	

		Column and	l Pier Requireme	ents (Based on ASC	E 7-05)
<b>o</b> 1)	Display Height	Pier Dia	Pier Depth	Column Length	Column *
Ö	8	2' (3')	13' (11')	30' (28')	W12 x 30
7	10	2' (3')	15' (12')	34' (31')	W14 x 34
	12	2' (3')	17'6" (13'6")	38'6" (34'6")	W16 x 40
B	14	2' (3')	19'6" (15')	42'6" (38')	W21 x 44
<b>e</b> ]	16	2' (3')	21'6" (16'6")	46'6" (41'6")	W18 x 50
I	18	2' (3')	23'6" (18')	50'6" (45')	W21 x 55
ij	20	2' (3')	26' (20')	55' (49')	W21 x 62
Ö	22	2' (3')	29'6" (22'6")	60'6" (53'6")	W21 x 68
d	25	3' (4')	25' (20'6")	59' (54'6")	W24 x 76
Ex	30	3' (4')	29'6" (24'6")	68'6" (63'6")	W24 x 94
E	35	3' (4')	34' (28')	78' (72')	W24 x 117
	40	3' (4')	38'6" (31'6")	87'6" (80'6")	W24 x 146

## **Chart Notes:**

- 1. \* It is required that 4x3x3/16 steel tubing be welded to back of columns 10' from the ground and every 10' to the top of the column for bracing. (See detail on sheet 7)
- 2. 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.
- 3. 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.

Outdoor Scoreboard
Installation
2/3 Column With
Laterals



Nevco, Inc. Greenville, Illinois 62246

241-0360

Drawing No.

Drawn DBB Date 12/14/2018

Sheet of 4 10

3 4

Wide Installs 24' Wide Installs sure C - 2 Col) (Exposure C - 2 Col)	B 10 12 14 16 18 20 22 25 30 35 40	Pier Dia 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 3' (4') 3' (4') 3' (4')	Requirements (     Pier Deptl     9'6" (7'6")     11' (9')     13' (10')     14'6" (11'6"     16' (12'6")     17'6" (13'6"     19' (14'6")     20'6" (16')     18'6" (15'6"	27'6" (25'6") 31' (29') 35' (32') ) 38'6" (35'6") 42' (38'6")	Column *  W14 x 22  W12 x 26  W12 x 30  W14 x 34  W16 x 36	Installs B - 2 Col)	Column and Pier Display Height  8 10 12	Requirement  Pier Dia  2' (3')  2' (3')  2' (3')	<u> </u>	CE 7-05 Exposure B  Col. Length  25'6" (24')  29' (27')  32' (30')	Column W8 x 21 W10 x 22
de Installs 24' Wide Installs re C - 2 Col) (Exposure C - 2 Co	8 10 12 14 16 18 20 22 25 30 35 40	2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 3' (4') 3' (4')	9'6" (7'6") 11' (9') 13' (10') 14'6" (11'6" 16' (12'6") 17'6" (13'6" 19' (14'6") 20'6" (16')	27'6" (25'6") 31' (29') 35' (32') ) 38'6" (35'6") 42' (38'6") ) 45'6" (41'6")	W14 x 22 W12 x 26 W12 x 30 W14 x 34 W16 x 36	nsta - 2	Display Height  8 10	Pier Dia 2' (3') 2' (3')	Pier Dept	ch Col. Length 25'6" (24') 29' (27')	Column W8 x 21 W10 x 22
de Installs 24' Wide Instre C - 2 Col) (Exposure C -	12 14 16 18 20 22 25 30 35 40	2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 3' (4') 3' (4')	11' (9') 13' (10') 14'6" (11'6" 16' (12'6") 17'6" (13'6" 19' (14'6") 20'6" (16')	31' (29') 35' (32') ) 38'6" (35'6") 42' (38'6") ) 45'6" (41'6")	W12 x 26 W12 x 30 W14 x 34 W16 x 36	nsta - 2	8 10	2' (3') 2' (3')	7'6" (6') 9' (7')	25'6" (24') 29' (27')	W8 x 21 W10 x 22
de Installs 24' Wide Instre C - 2 Col) (Exposure C -	12 14 16 18 20 22 25 30 35 40	2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 3' (4') 3' (4')	13' (10') 14'6" (11'6" 16' (12'6") 17'6" (13'6" 19' (14'6") 20'6" (16')	35' (32') ) 38'6" (35'6") 42' (38'6") ) 45'6" (41'6")	W12 x 30 W14 x 34 W16 x 36			2' (3')	9' (7')	29' (27')	W10 x 22
de Installs 24' Wide re C - 2 Col) (Exposure	14 16 18 20 22 25 30 35 40	2' (3') 2' (3') 2' (3') 2' (3') 2' (3') 3' (4') 3' (4')	14'6" (11'6" 16' (12'6") 17'6" (13'6" 19' (14'6") 20'6" (16')	) 38'6" (35'6") 42' (38'6") ) 45'6" (41'6")	W14 x 34 W16 x 36	In B			10' (8')		
de Installs 24' Wide re C - 2 Col) (Exposure	16 18 20 22 25 30 35 40	2' (3') 2' (3') 2' (3') 2' (3') 3' (4') 3' (4')	16' (12'6") 17'6" (13'6" 19' (14'6") 20'6" (16')	42' (38'6") ) 45'6" (41'6")	W16 x 36						W10 x 26
de Installs 24' Wid re C - 2 Col) (Exposur	20 22 25 30 35 40	2' (3') 2' (3') 3' (4') 3' (4')	19' (14'6") 20'6" (16')		1A/4 4 4 -	<b>(1) (2)</b>	14	2' (3') 2' (3')	11'6" (9') 12'6" (10')	35'6" (33') 38'6" (36')	W12 x 26
de Installs 24' re C - 2 Col) (Expo	22 25 30 35 40	2' (3') 3' (4') 3' (4')	20'6" (16')	49' (44'6")	W14 x 43		<u>16</u> 18	2' (3')	14' (11')	42' (39')	W14 x 30 W14 x 34
de Installs re C - 2 Col) (E	25 30 35 40	3' (4') 3' (4')	1 ,	52'6" (48')	W14 x 48 W18 x 50		20	2' (3')	15' (12')	45' (42')	W16 x 36
de Installs re C - 2 Col) (E	30 35 40 Col	3' (4')	,		W21 x 55	- Ö	22	2' (3')	16'6" (12'6'		W16 x 40
de Installs re C - 2 Col) (E	40 Col	3' (4')	21'6" (18')	61'6" (58')	W24 x 68	<b>7 ₹</b>	25 30	3' (4') 3' (4')	14'6" (12'6' 17' (14'6")	') 49'6" (47'6") 57' (54'6")	W16 x 50 W21 x 55
de Installs re C - 2 C	Col		24'6" (20'6"		W24 x 84		35	3' (4')	20' (16'6")	65' (61'6")	W21 x 68
re C - 2 C		3' (4')	27'6" (23')	77'6" (73')	W24 x 94		40	3' (4')	22'6" (18'6'	') 72'6" (68'6")	W24 x 76
re C -	Display Height			Based on ASCE 7-0	J5)			_		CE 7-05 Exposure B f	or 90mph Win
re C -		Pier Dia.	=	Col. Length	Column*	≝ŏ	Display Height	Pier Dia.	Pier Depth	Col. Length	Column *
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	8	2' (3')	11' (9'6")	29' (27'6")	W10 x 26		8	2' (3')	9'6" (8'6")	27'6" (26'6")	W10 x 22
re	10 12	2' (3') 2' (3')	12'6" (10'6") 14' (11'6")	32'6" (30'6") 36' (33'6")	W12 x 30 W14 x 34	<u> 2</u>	10 12	2' (3') 2' (3')	10'6" (9') 11'6" (10')	30'6" (29') 33'6" (32')	W10 x 26 W12 x 26
<b>5</b> 🙀 🖯	14	2' (3')	15'6" (12')	39'6" (36')	W16 x 36	<b>⊢ ≧ m</b>	14	2' (3')	12'6" (10'6")	36'6" (34'6")	W12 x 30
	16	2' (3')	17'6" (Ì3'6")	43'6" (39'6")	W16 x 40	_ <b>v</b> o	16	2' (3')	14' (11'6")	40' (37'6")	W14 x 34
	18	2' (3')	19'6" (15')	47'6" (43')	W14 x 48		18	2' (3')	15'6" (12')	43'6" (40')	W16 x 36
s 💆 📙	20 22	2' (3') 2' (3')	21' (16') 22'6" (17'6")	51' (46') 54'6" (49'6")	W18 x 50 W18 x 55		20 22	2' (3') 2' (3')	16'6" (13') 18' (14')	46'6" (43') 50' (46')	W16 x 40 W21 x 44
<b>, ∆</b> ⊦	25	3' (4')	19'6" (16')	54'6" (51')	W21 x 62		25	3' (4')	15'6" (13')	50'6" (48')	W18 x 50
ĭ 🏋 🗀	30	3' (4')	23'6" (19'6")	63'6" (59'6")	W24 x 76		30	3' (4')	19' (16')	59' (56')	W21 x 62
1 💆	35	3' (4')	27' (22'6")	72' (67'6")	W24 x 94		35	3' (4') 3' (4')	22' (18') 24'6" (20'6")	67' (63') 74'6" (70'6")	W24 x 68
	40	3' (4')	30'6" (25'6")	80'6" (75'6")	W24 x 104		40			SCE 7-05 Exposure	W24 x 84
2 <u>2</u>			Pier Depth	Based on ASCE 7-0 Col. Length		<b>o 1</b>	Display Height	Pier Dia.	Pier Dept		Column*
0	Display Height	Pier Dia. 2' (3')	10' (8'6")	28' (26'6")	Column* W10 x 22	⊢ ≓Ö	8	2' (3')	8'6" (7'6")		W8 x 18
က	10	2' (3')	11' (9'6")	31' (29'6")	W10 x 26		10	2' (3')	9'6" (8')	29'6" (28')	W8 x 21
. [	12	2' (3')	11'6" (10')	33'6" (32')	W12 x 26		12	2' (3')	10' (8'6")	32' (30'6")	W10 x 22
C	14 16	2' (3') 2' (3')	12'6" (11') 14' (11'6")	36'6" (35') 40' (37'6")	W12 x 30	_ <b></b>	14 16	2' (3') 2' (3')	11' (9'6") 11'6" (10')	35' (33'6") 37'6" (36')	W10 x 26 W12 x 26
<b>u</b> -	18	2' (3')	15'6" (12')	43'6" (40')	W14 x 34 W16 x 36	<u>o</u> o	18	2' (3')	12'6" (10'6'		W12 x 20 W12 x 30
3	20	2' (3')	17' (13')	47' (43')	W16 x 40		20	2' (3')	13'6" (11')	43'6" (41')	W14 x 34
	22	3' (4')	14' (12')	46' (44')	W21 x 44		22	3' (4')	11'6" (10'6'		W18 x 35
<b>√</b> 🙀 ⊦	25 30	3' (4') 3' (4')	15'6" (13') 18' (15'6")	50'6" (48') 58' (55'6")	W18 x 50 W21 x 62	- X &	25 30	3' (4') 3' (4')	12'6" (11'6' 14'6" (12'6'		W16 x 40 W16 x 50
	35	3' (4')	21'6" (18')	66'6" (63')	W24 x 68	<b>₹3</b>	35	3' (4')	17'6" (15')		W21 x 55
<b>=</b> [	40	3' (4')	24'6" (20'6")	74'6" (70'6")	W24 x 84		40	3' (4')	20' (16'6")		W21 x 68
	Co	lumn and Pier	Requirements(	Based on ASCE 7-0	05)		Сс	lumn and Pie	er Requirements	(Based on ASCE 7-0	)5)
2 <b>7</b>	Display Height	Pier Dia	Pier Depth		Column*		Display Height	Pier Dia.	Pier Dept		Column*
3 6	9	2' (3')	11' (9'6")	30' (28'6")	W10 x 26	<b>⊣ ≓ို</b> ပိ	2' (3')	9'6" (8')	9'6" (8')	28'6" (27')	W8 x 21
ဒီ က ⊦	10	2' (3')	11'6" (10')	31'6" (30')	W12 x 26	<u> </u>	2' (3')	10' (8'6")	10' (8'6"	, , ,	W10 x 22
4	11	2' (3') 2' (3')	12' (10'6") 12'6" (10'6"	33' (31'6") 34'6" (32'6")	W12 x 26	<u> </u>	2' (3') 2' (3')	10'6" (9') 11' (9'6")	10'6" (9' 11' (9'6"		W14 x 22
<b>်</b> ပ	12 13	2' (3')	13'6" (11')	36'6" (34')	W12 x 30 W14 x 30		2' (3')	11 (96)	11' (9'6"	, ,	W10 x 26 W12 x 26
ا بو إ	14	2' (3')	14' (11'6")	38' (35'6")	W14 x 34	<b>a</b> a	2' (3')	11'6" (10')	11'6" (10	, , ,	W12 x 26
Sur	15	2' (3')	15' (12')	40' (37')	W18 x 35		2' (3')	12' (10'6")	12' (10'6'		W12 x 30
<b>~</b>	20	3' (4')	14'6" (12'6"	44'6" (42'6")	W14 x 48		3' (4')	12' (10'6")	12' (10'6'	") 42' (40'6")	W16 x 36
<b>O</b> F	25	3' (4')	17'6" (14'6"	52'6" (49'6")	W21 x 55		3' (4')	14' (12')	14' (12')	49' (47')	W21 x 44
Exp	30	3' (4')	20'6" (17')	60'6" (57')	W21 x 68	36' Exp	3' (4')	16'6" (14')	16'6" (14	') 56'6" (54')	W18 x 55
	35	3' (4')	23' (19'6")	68' (64'6")	W24 x 76	] <b>~~~~~~~~</b>	3' (4')	19' (16')	19' (16')		W21 x 62
_ [	40	3' (4')	27'6" (23')	77'6" (73')	W24 x 94		3' (4')	22' (18'6")	22' (18'6'	") 72' (68'6")	W24 x 76
	Notes:						_				
* T+	<u> </u>	•	0	velded to back of c		ı the ground a	nd			• — —	
	<b>-</b>		<b>O</b> (	e detail on sheet 7)					coreboard		
ery 1	0 0	-	-	<b>errain</b> with scatte				Instal			
very 1 . Win	ılly less than 30 f	feet. This cat	egory includes	s flat open country	, grasslands, an	d all water su	rfaces	2/3 Colu	mn With		
very 1 Win	rricane prone are			_				Late	rals	Nevco,	
very 1 Win enera hur	-	d at Damagna	o IIDII TT.L.	and ant	NOG **** A		rain l			i Greenville. Ill	linois 62246
very 1 . Win enera n hur . Win	nd loading figure									·	
very 1 . Win enera n hur . Win rith n	nd loading figured umerous closely	spaced obstr	uctions having	g the size of single-	-family dwelling	s or larger. Th				Drawing No.	-0360
very 1 Wingeneral hur Wingeneral wingeneral	nd loading figured umerous closely	spaced obstr	uctions having		-family dwelling	s or larger. Th	nese	DBB Date	12/14/2018	Drawing No.	

					[130 MI	H WIND 2	ZONES				Rev
7	Col	umn and Pier	Requirements (B	Based on ASCE 7-0	05)		Col	lumn and Pier	Requirements (	Based on ASCE	<u> </u> = 7-05)
3	Display Height	Pier Dia	Pier Depth	Col Length	Column *		Display Height	Pier Dia.	Pier Depth		
N	8	2' (3')	15'6" (12')	33'6" (30')	W14 x 34	<b>2 2 2</b>	8	2' (3')	12' (10'6")	30' (28'6	_
· ⊢	10 12	2' (3') 2' (3')	18' (14') 20'6" (15'6")	38' (34') 42'6" (37'6")	W16 x 40 W16 x 50		10	2' (3') 2' (3')	14' (11'6")	34' (31'6	S") W14 x 3
<b>)</b>	12 14	3' (4')	18' (15')	42' (39')	W18 x 55	<b>4 8 9</b>	12		16' (12'6")	38' (34'6	,
	16	3' (4')	20' (16'6")	46' (42'6")	W21 x 55	<u>v</u> _	14 16	3' (4') 3' (4')	14' (12') 15'6" (13')	38' (36' 41'6" (39	9') W14 x 4 9') W16 x 5
<b>;</b>  -	18 20	3' (4') 3' (4')	21'6" (18') 23'6" (19'6")	49'6" (46') 53'6" (49'6")	W21 x 68 W24 x 68		18	3' (4')	17' (14')	45' (42'	W18 x 5
3 🗆	22	3' (4')	25'6" (21')	57'6" (53')	W24 x 76	<b>&gt; 2</b> -	20 22	3' (4') 3' (4')	18'6" (15'6") 20' (16'6")	48'6" (45' 52' (48'6	
-	25 30	3' (4') 3' (4')	29'6" (24'6") 34'6" (28'6")	64'6" (59'6") 74'6" (68'6")	W24 x 94	.4 <del>t</del>	25	3' (4')	23'6" (19'6")	58'6" (54'	6") W24 x 6
	35	3' (4')	40' (32'6")	85' (77'6")	W24 x 117 W24 x 146	O A	30	3' (4')	27'6" (22'6")	67'6" (62'	,
	40	3' (4')	45' (37')	95' (87')	W24 x 176		35 40	3' (4') 3' (4')	31'6" (26') 36' (29'6")	76'6" (7 <sup>2</sup> 86' (79'6	
	Col	umn and Pier	Requirements (B	Based on ASCE 7-0	05)			• • • • • • • • • • • • • • • • • • • •	Requirements (		,
	Display Height	Pier Dia.	Pier Depth C	Col. Length	Column*		Display Height		· · · · · · · · · · · · · · · · · · ·	Col. Length	Column *
$\vdash$	8	2' (3')	17' (13')	35' (31')	W16 x 36		8	2' (3')	13' (11')	31' (29')	W12 x 30
	10	2' (3')	20' (15')	40' (35')	W21 x 44	# C	10	2' (3')	15'6" (12')	35'6" (32')	W14 x 34
<u> </u>	12 14	2' (3') 3' (4')	22'6" (17'6") 19'6" (16')	44'6" (39'6") 43'6" (40')	W18 x 50 W21 x 55	<u> </u>	12 14	2' (3') 3' (4')	17'6" (13'6") 15' (12'6")	39'6" (35'6") 39' (36'6")	W16 x 40 W14 x 48
	16	3' (4')	22' (18')	48' (44')	W21 x 68		16	3' (4')	17' (14'6")	43' (40'6")	W18 x 55
	18	3' (4') 3' (4')	24' (20') 26' (21'6")	52' (48') 56' (51'6")	W24 x 68	ride ure	18	3' (4')	19' (15'6")	47' (43'6")	W21 x 55
	20 22	3' (4')		60'6" (55'6")	W24 x 76 W24 x 84	<b>&gt; 2</b>	20 22	3' (4') 3' (4')	20'6" (17') 22' (18'6")	50'6" (47') 54' (50'6")	W21 x 62 W21 x 68
	25	3' (4')	31'6" (26')	66'6" (61')	W21 x 101	<b>∞</b>	25	3' (4')	25' (20'6")	60' (55'6")	W24 x 76
	30 35	3' (4') 3' (4')		78'6" (71'6") 89'6" (81'6")	W24 x 131 W24 x 162	–ેંદ્ર જે	30 35	3' (4') 3' (4')	30'6" (25') 35' (29')	70'6" (65') 80' (74')	W21 x 101 W24 x 117
<b>-</b>	40	3' (4')	50' (41')	100' (91')	W24 x 192	<b>=</b>	40	3' (4')	40' (33')	90' (83')	W24 x 117 W24 x 146
一	Col	umn and Pier	,	Based on ASCE 7-0			Column and Pie				sure B 90mph Win
	Display Height	Pier Dia.	Pier Depth	Col. Length	Column*	<b>4</b> 8	Display Height	Pier Dia.	Pier Depth	Col. Leng	gth Column
	8	2' (3') 2' (3')	13'6" (11')	31'6" (29 <sup>1</sup> ) 36' (32')	W14 x 30		8	2' (3') 2' (3')	11'6" (9'6") 12'6" (10'6")	29'6" (27'6 32'6" (30'6	,
	10 12	2' (3')	16' (12') 18' (14')	40' (36')	W18 x 35 W16 x 40		12	2' (3')	14' (11'6")	36' (33'6"	W14 x 3 <sup>2</sup>
	14	3' (4')	15'6" (13')	39'6" (37')	W16 x 50		14	3' (4')	12'6" (11')	36'6" (35'	Ý) W16 x 36
_	16 18	3' (4') 3' (4')	17' (14'6") 19' (16')	43' (40'6") 47' (44')	W18 x 55 W21 x 55	<u>o</u> o	16 18	3' (4') 3' (4')	13'6" (12') 15' (12'6")	39'6" (38' 43' (40'6"	
	20	3' (4')	21' (17'6")	51' (47'6")	W21 x 55 W21 x 62		20	3' (4')	16'6" (14')	46'6" (44'	v) W18 x 50
	22	3' (4')	22'6" (18'6")	54'6" (50'6")	W24 x 68		22 25	3' (4') 3' (4')	18' (15') 20' (16'6")	50' (47') 55' (51'6"	W21 x 55
<u> </u>	25 30	3' (4') 3' (4')	25' (20'6") 29' (24')	60' (55'6") 69' (64')	W24 x 76 W24 x 94	~ ~ ~	30	3' (4')	23' (19'6")	63' (59'6"	
	35	3' (4')	35' (29')	80' (74')	W24 x 117	S A	35	3' (4')	28' (23')	73' (68')	W24 x 9 <sup>2</sup>
<u> </u>	40	3' (4')	39'6" (32'6")	89'6" (82'6")	W24 x 146		40	3' (4')	31'6" (26')	81'6" (76'	,
-				ased on ASCE 7-0	,	<b>_</b>			Requirements (		
$\{\vdash^{L}$	Display Height	Pier Dia 2' (3')	Pier Depth 16'6" (12'6")	Col. Length 35'6" (31'6")	Column* W16 x 36		Display Height	Pier Dia. 2' (3')	Pier Depth 13' (11')	Col. Lenç 32' (30'	
	10	2' (3')	17'6" (13'6")	37'6" (33'6")	W16 x 40	7 -	10	2' (3')	13'6" (11'6"		
	11	2' (3')	19' (14'6")	40' (35'6")	W14 x 43	. St.	11	2' (3')	15' (12')	36' (33'	) W14 x 3
<b>)</b>	12	3' (4')	15'6" (13')	37'6" (35')	W21 x 44	L B L	12	3' (4')	12' (11')	34' (33'	<u>/</u>
<b>,</b>	13 14	3' (4') 3' (4')	16'6" (13'6") 17'6" (14'6")	39'6" (36'6") 41'6" (38'6")	W16 x 50		13	3' (4') 3' (4')	13' (11'6") 13'6" (12')	36' (34'6 37'6" (36	
<u> </u>	15	3' (4')	18'6" (15')	43'6" (40')	W18 x 55 W18 x 55	ide rre	14 15	3' (4')	14'6" (12')		<u>6') W16 x 4</u> 7') W21 x 4
	20	3' (4')	23'6" (19'6")	53'6" (49'6")	W24 x 68	Wi Su	20	3' (4')	18'6" (15'6"	(45') 48'6"	6") W21 x 5
	25	3' (4')	28' (23')	63' (58')	W24 x 94		25	3' (4')	22' (18'6")	57' (53'6	") W24 x 6
	30	3' (4')	33' (27')	73' (67')	W24 x 104	36' Exp	30	3' (4')	26' (21'6")	66' (61'6	, , , , , , , , , , , , ,
<b>-</b>	35 40	3' (4') 3' (4')	37'6" (31') 44'6" (36'6")	82'6" (76') 94'6" (86'6")	W24 x 131		35	3' (4')	30' (25')	75' (70'	<u> </u>
 'T }	40	J ( <del>1</del> )	<del>++</del> 0 (300)	<del>31</del> 0 (000)	W24 x 176	L	40	3' (4')	35'6" (29'6"	85'6" (79'	6")   W24 x 13
It is y 10 Winderall with the second tension of tension of the second tension of tension of tension of tension of the second tension of tension	s required that of the top of the loading figured by less than 30 fricane prone are downed by loading figured	ne column for at <b>Exposur</b> feet. This careas. It at <b>Exposur</b> at <b>Exposur</b>	or bracing. (See ce "C" - Open te tegory includes :	elded to back of codetail on sheet 7) errain with scatte flat open country and suburban are	ered obstructions y, grasslands, an <b>eas</b> , wooded area	having height l all water surf s, or other terr	s faces ain	Outdoor Sco Installa 2/3 Colum Latera	ntion nn With	N Greenvil	evco, Inc. le, Illinois 62246
ı nu	merous closely	spaced obstr	ructions having	the size of single-	-family dwellings	or larger. The				Drawing No.	241-0360
s pi			_	of 2600 feet or 2	_	_	Drawn	DBB Date 12	2/14/2018	Sheet of 6 10	

					150 MF	H WIND	ZONES				Rev	ŀ
	Colu	mn and Pier I	Requirements (Ba	sed on ASCE 7-0		<u> </u>		lumn and Pie	er Requirements	(Based on ASCE 7-0		
ပ္ပ	Display Height	Pier Dia	Pier Depth	Col Length	Column *		Display Height	Pier Dia	<u> </u>		Columi	n *
2 Co	8	2' (3')	18'6" (14')	36'6" (32')	W16 x 40	tall 2 C	8	2' (3')	14'6" (11'6		W14 x 3	
	10 12	2' (3') 2' (3')	22' (16'6") 25' (19')	42' (36'6") 47' (41')	W16 x 50 W18 x 55	S.	10	2' (3')	17' (13')	37' (33')	W16 x 3	36
<u>၂</u>	14	2' (3')	28'6" (21'6")	52'6" (45'6")	W21 x 62	E E	12 14	2' (3') 2' (3')	19'6" (15' 22' (17')	) 41'6" (37') 46' (41')	W21 x 4	
စ္	<u>16</u> 18	2' (3') 2' (3')	32' (24') 35' (26')	58' (50') 63' (54')	W24 x 68	<u>o</u> o	16	2' (3')	24'6" (18'6	") 50'6" (44'6")	W16 X S	
Sur	20	2' (3')	38' (28'6")	68' (58'6")	W24 x 76 W24 x 84	ni d	18	2' (3') 2' (3')	27' (20'6" 29'6" (22'6		W21 x 6	
8	22	3' (4')	31' (25'6")	63' (57'6")	W24 x 94		20	3' (4')	296 (226	56' (52')	W21 x 6	
St.	25 30	3' (4') 3' (4')	36' (29'6") 42'6" (34'6")	71' (64'6") 82'6" (74'6")	W24 x 117 W24 x 146	4 😽	25	3' (4')	28' (23'6"	) 63' (58'6")	W24 x 9	94
夏	35	3' (4')	48'6" (40')	93'6" (85')	W24 x 176	Q 🖔	30 35	3' (4') 3' (4')	33' (27'6" 38'6" (31'6		W24 x 1 W24 x 1	
	40	3' (4')	55' (45')	105' (95')	W18 x 283	=	40	3' (4')	43'6" (36'		W24 x 1	
<b>7</b>	Colu	mn and Pier I	Requirements (Ba	sed on ASCE 7-0	05)	. <del></del>	Co	lumn and Pie	•	(Based on ASCE 7-0		
<b>Ö</b>	Display Height	Pier Dia.	Pier Depth Co	ol. Length	Column*		Display Height	Pier Dia.	Pier Depth	Col. Length	Column *	
0	8	2' (3')		3'6" (33'6")	W21 x 44	豆豆	8	2' (3')	13' (11')	31' (29')	W12 x 30	
•	10 12	2' (3') 2' (3')		4' (38'6") 50' (43')	W18 x 55 W21 x 62		10	2' (3') 2' (3')	15'6" (12') 17'6" (13'6")	35'6" (32') 39'6" (35'6")	W14 x 34 W16 x 40	
O	14	2' (3')	31'6" (23'6") 55	5'6" (47'6")	W21 x 68	A H	14	3' (4')	15' (12'6")´	39' (36'6") ´	W14 x 48	
<b>5</b>	16	2' (3') 2' (3')	,	l'6" (52'6") 67' (57')	W24 x 76	de la	16	3' (4')	17' (14'6") 19' (15'6")	43' (40'6") 47' (43'6")	W18 x 55	
Sur	18 20	2' (3')	42'6" (32') 7	'2'6" (62')	W24 x 84 W24 x 94	Zi,	18	3' (4') 3' (4')	20'6" (17')	50'6" (47')	W21 x 55 W21 x 62	
ő	22	3' (4')	34'6" (28') 6	66'6" (60')	W24 x 104		22	3' (4')	22' (18'6")	54' (50'6")	W21 x 68	
×	25 30	3' (4') 3' (4')		8'6" (66'6") 7'6" (78'6")	W24 x 117 W24 x 162	<b>∞</b> <del>0</del> 0	25 30	3' (4') 3' (4')	25' (20'6") 30'6" (25')	60' (55'6") 70'6" (65')	W24 x 76 W21 x 101	
鱼	35	3' (4')	54'6" (44'6") 99	9'6" (89'6")	W24 x 207	C 🖺	35	3' (4')	35' (29')	80' (74')	W24 x 117	
ļ	40	3' (4')	,	12' (100')	W18 x 311		40	3' (4')	40' (33')	90' (83')	W24 x 146	I\
<b>7</b>	<del>_</del>		Requirements (Ba		,	S	Display Height	<u> </u>	ents (Based on <i>F</i> Pier Dep	ASCE 7-05 Exposure E th Col. Length	<u> </u>	
O	Display Height	Pier Dia. 2' (3')	Pier Depth 16'6" (12'6")	Col. Length 34'6" (30'6")	Column* W16 x 36		8	Pier Dia. 2' (3')	13' (11')	31' (29')	Columr W12 x 3	
<u>က</u>	10	2' (3')	19' (14'6")	39' (34'6")	W14 x 43	3	10	2' (3')	15' (12')	35' (32')	W14 x 3	4
ပ	12 14	2' (3') 2' (3')	22' (16'6") 24'6" (19')	44' (38'6") 48'6" (43')	W18 x 50	ns -	12 14	2' (3') 2' (3')	17' (13') 19' (14'6"	39' (35') ) 43' (38'6")	W16 x 4 W21 x 4	
9	16	3' (4')	21' (17')	47' (43')	W21 x 55 W21 x 62	II.	16	3' (4')	16'6" (13'6	ś") 42'6" (39'6")	W18 x 5	
H	18	3' (4')	23' (19')	51' (47')	W24 x 68	de re	18	3' (4')	18' (15')		W21 x 5	
S	20 22	3' (4') 3' (4')	25' (21') 27' (22'6")	55' (51') 59' (54'6")	W24 x 76 W24 x 84	Νί su	20 22	3' (4') 3' (4')	20' (16'6" 21'6" (18'		W21 x 6	
8.	25	3' (4')	30'6" (25')	65'6" (60')	W24 x 94	Ö	25	3' (4')	24' (20')	59' (55')	W24 x 7	6
X	30 35	3' (4') 3' (4')	35'6" (29') 42'6" (35')	75'6" (69') 87'6" (80')	W24 x 117	32 X	30 35	3' (4') 3' (4')	28' (23') 34' (28')	68' (63') 79' (73')	W24 x 9 W24 x 11	
E	40	3' (4')	48' (39'6")	98' (89'6")	W24 x 162 W24 x 192		40	3' (4')	38'6" (31'6		W24 x 14	
	Colu	mn and Pier	Requirements(Bas	sed on ASCE 7-0			Co	olumn and Pie	er Requirements	s (Based on ASCE 7-0	5)	
10	Display Height	Pier Dia	Pier Depth	Col. Length	Column*	<u>, 7</u>	Display Height	Pier Dia.	Pier Dep	•	Column	า*
Ö	9	2' (3')	20' (15')	39' (34')	W21 x 44	# ŏ	9	2' (3')	15'6" (12		W14 x 3	
<b>m</b>	10	2' (3') 2' (3')	21'6" (16'6") 23' (17'6")	41'6" (36'6") 44' (38'6")	W16 x 50	S E	10	2' (3')	16'6" (12' 18' (13'6		W16 x 3	
	12	2' (3')	24'6" (18'6")	46'6" (40'6")	W18 x 50 W18 x 55		11 12	2' (3') 2' (3')	19' (14'6		W16 x 4	
O	13	3' (4')	20' (16'6")	43' (39'6")	W21 x 55	i m	13	3' (4')	15'6" (13	38'6" (36')	W14 x 4	
Fe	14	3' (4')	21' (17'6")	45' (41'6")	W21 x 62	de	14	3' (4')	16'6" (13'		W18 x 5	50
ns	15	3' (4') 3' (4')	22' (18'6") 28'6" (23'6")	47' (43'6") 58'6" (53'6")	W21 x 62	Z Z	15	3' (4')	17'6" (14' 22' (18'6	6") 42'6" (39'6")	W18 x 5	
	20 25	3' (4')	34' (28')	69' (63')	W24 x 84 W24 x 104	2 0	20 25	3' (4') 3' (4')	27' (22'		W21 x 6	
Exp	30	3' (4')	40' (32'6")	80' (72'6")	W24 x 104	36 Exp	30	3' (4')	31'6" (26	71'6" (66')	W24 x 0	
A	35	3' (4')	46' (37'6")	91' (82'6")	W24 x 162		35	3' (4')	36' (30'	) 81' (75')	W24 x 1	
[	40	3' (4')	54'6" (44'6")	104'6" (94'6")	W18 x 283		40	3' (4')	43' (35'6	") 93' (85'6")	W24 x 1	62
	Notes:	-2-2/16	.1 41.1. 1 1	1.14.1 1 0	-1 101.6	41	4					
	is required that 4:	•				tne ground a	ana	Outdoon	annah annd			
	10' to the top of the nd loading figured					having heigh	nta		coreboard lation		VЦ	
	illy less than 30 fe							2/3 Colu				
	rricane prone area			at open country	, , <u>6- applain</u> , all	- WI WALLE DU		Late		Nevco,		
	nd loading figured		e "B" - Urban an	d suburban are	eas, wooded area	s, or other te	rrain	Date		Greenville, Illi		
	umerous closely s	<b>—</b>			•	•				Drawing No. 241-	0360	
	prevail in the upwi		_	_	_	_	Drawn	Date Date		Sheet of		
cas	<b>.</b>					_	ושועו	DBB Date	12/14/2018	LOUCEL OI		





