



| | | 4 | | | | | | | | 3 | | | $\overline{\mathbf{A}}$ | | | 2 | | | | | | 1 | | |
|--------------------|----------------------|-------------------|--------------------|----------------------|-----------------------------|----------------------------|------------------|-------------------------|-----------|----------------|----------------------------|--------------|---------------------------|-------------------|---------------------|-------------------|------------------|----------------------|--|------------------|------------------------------|------------------------|------------------------|--------------|
| | | | | | | | | | | | | 105 | MPH WIND ZO | <u>NES</u> | | | | | | | | | Rev | A |
| | | | | EX | (POSU | RE C (S | ee Not | te 3) | | | | | | | | | | | (POSURE B (S | | | | | |
| | | | | n and F pread Fo | | Requirem er | | l on ASCE nd Pier Re | | ent | | | | | | | | mn and F pread Fo | oundation Requirement ofing | . • | on ASCE 7-1 nd Pier Rein | | Anchors and | Column |
| Display Height | Braced Column | Footing Length | Footing F | ooting | | nforc em ent | Pier | Quantity | | Hook | Anchors and Base Plates | | | Display Height | Braced Column | | Footing Width | Footing Depth | Steel Reinforcement | Pier Diameter | Quantity S | Hook ize length | Base Plates** | 1 |
| 6' | W 10x 17 | 20' | 6' 6" | 1'6" | #4's @ 12i | in O.C. T&B | 3' | 18 | #5 | 8" | Option 3 | 15' | | 6' 8' | W12x14 W10x17 | 20' | 5' 6" 6' 6" | 1'6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | 3' | 18 4 | 5 8" 5 8" | Option 5 Option 3 | 15' 17' |
| 9' 8' | W 8x21 W 8x21 | 20' 20' | | | | in O.C. T&B in O.C. T&B | 3' | 18 18 | #5 #5 | 8" 8" | Option 1 Option 1 | 17' 18' | | 9 | W 8x 18 | 20' | 7 | 1' 6" | #4's @12in O.C. T&B | 3' | 18 4 | 5 8" | Option 1 | 18' |
| 10' 10'6" | W 10x 22 W 10x 22 | 20' 20' | ð, | 1'6" | #4's @ 12i | in O.C. T&B in O.C. T&B | 3' 3' | 18 18 | #5 #5 | 8" 8" | Option 3 Option 3 | 19' 19'6" | 18 FEET LONG | 106" | W 8x 18 | 20' | 7' 6" 7' 6" | 1' 6" 1' 6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | 3' | | <u>5 8"</u> 5 8" | Option 1 Option 1 | 19' 19'6" |
| 12' | W 10x 26 | 20' | 10' | 1'6" | #4's @ 12i | in O.C. T&B | 3' | 18 | #5 | 8" | Option 3 | 21' | INSTALLATIONS | 12' 14' | W8x21 W10x22 | 20' 20' | 8' 6" 9' | 1'6" 1'6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | | | 5 8" 5 8" | Option 1 Option 3 | 21' 23' |
| 14' 16' | W 12x 26 W 12x 30 | 20' 20' | | | | in O.C. T&B in O.C. T&B | 3' | 18 18 | #5 #5 | 8" 8" | Option 5 Option 5 | 23' 25' | | 16' | W10x26 | 20' | 10' | 1' 6" | #4's @12in O.C. T&B | 3' | 18 4 | <i>1</i> 5 8" | Option 3 | 25' |
| 18' 20' | W 14x 30 W 18x 35 | 20' 20' | | 1'6" | #4's @ 12i | in O.C. T&B in O.C. T&B | 3' 4' | 18 24 | #5 #6 | 8" 9" | Option 8 Option 11 | 27' 29' | | 18' 20' | W12x26 W12x30 | | 11' 12' | 1' 6" 1' 6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | | | 5 8" 5 8" | Option 5 Option 5 | 27' 29' |
| 22' | W 16x 40 | 20' | 15' | 1'6" | #5's @ 12i | in O.C. T&B | 4' | 24 | #6 | 9" | Option 10 | 31' | | 22" | W14x30 | 20' | 13' | 1' 6" | #4's @12in O.C. T&B | 3' | 18 4 | <i>1</i> 5 8" | Option 8 | 31' |
| 25' 30' | W 21x 44 W 18x 55 | 20' 20' | 17' 19' | | | in O.C. T&B in O.C. T&B | 5' 4' | 30 24 | #7 | 11" 9" | Option 14 Option 11 | 34' | | 25' 30' | W18x35 W14x43 | | 14' 16' | 1' 6" 1' 6" | #5's @12in O.C. T&B #6's @12in O.C. T&B | | + | f6 9" f6 9" | Option 11 Option 9 | 34' 39' |
| 35' 40' | W 21x 62 W 21x 68 | 20' 20' | 21' | 1'6" | #7's @ 12i | in O.C. T&B | 5' 5' | 30 30 | #7 | 11" 11" | Option 14 | 44' 49' | | 35' 40' | W18x50 W21x55 | | 18' 21' | 1' 6" 1' 6" | #6's @12in O.C. T&B #7's @12in O.C. T&B | | | f6 9" f7 11" | Option 11 Option 14 | 44' 49' |
| 40 | W Z IX DO | 20" | 21' | 2' | #65 (2) 121 | in O.C. T&B | J 3" | 30 | #f | 11 | Option 14 | 49 | | | | | | | | | | | Ориан | |
| | | | | n and F pread Fo | | Requirem er | | l on ASCE nd Pier Re | | ent | | | | | Ι | | | mn and F pread Fo | oundation Requirement ofing | . • | on ASCE 7-1 ind Pier Rein | | - Anchors and | Column |
| Display Height | 1 | | Footing F Width | | Steel Rei | nforc em ent | Pier Diameter | Quantity | | Hook ength | Anchors and Base Plates | | | Display Height | Braced Column | Footing Length | | Footing Depth | Steel Reinforcement | Pier Diameter | Quantity S | Hook ize length | Base Plates** | 1 |
| 5' | W 10x 15 | 18' | 6' | 1'6" | #4's @ 12i | in O.C. T&B | 3' | 18 | #5 | 8" | Option 3 | 14' | 16 FEET LONG | 5 | W 8x 13 | 18' | 5' | 1' 6" | #4's @12in O.C. T&B | 3' | 18 4 | <i>1</i> 5 8" | Option 1 | 14' |
| 6' 7' | W 10x 17 W 8x 18 | 18' 18' | | | | in O.C. T&B in O.C. T&B | 3' | 18 18 | #5 #5 | 8" | Option 3 Option 1 | 15' 16' | INSTALLATIONS | 6' 7 | W 8x 13 W 10x 15 | 18' 18' | 5 6° 6' | 1'6" 1'6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | | | 5 8" 5 8" | Option 1 Option 3 | 15' 16' |
| 8' | W 8x 18 | 18' | 8' | 1'6" | #4's @ 12i | in O.C. T&B | | 18 | #5 | 8" | Option 1 | 17' | | 8' 10' | W 8x 15 W 8x 18 | 18' 18' | 6' 6" 7' 6" | 1' 6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | | | 5 8" 5 8" | Option 1 Option 1 | 17' 19' |
| 10' 12' | W 8x21 W 10x22 | 18' 18' | 9' 10' | | | in O.C. T&B in O.C. T&B | 3' | 18 | #5 #5 | 8" 8" | Option 1 Option 3 | 19' 21' | | 12' | W8x21 | 18' | 8' 6" | 1' 6" | #4's @12in O.C. T&B | 3' | 18 4 | <i>1</i> 5 8" | Option 1 | 21' |
| 14' 16' | W 10x 26 W 12x 26 | 18' 18' | | | | in O.C. T&B in O.C. T&B | 3' | 18 18 | #5 #5 | 8" 8" | Option 3 Option 5 | 23' 25' | | 14' 16' | W10x22 W10x22 | | 9' 10' | 1' 6" 1' 6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | | | 5 8" 5 8" | Option 3 Option 3 | 23' 25' |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | | | in and F pread Fo | | Requirem er | | l on ASCE nd Pier Re | | ent | A nehom one | Column | | | Ι | | | mn and F pread Fo | oundation Requirement oting | , - | on ASCE 7-1 ind Pier Rein | | Anchors and | Column |
| Display Height | Braced Column | Footing Length | Footing F Width | - | Stool Doi | nforc em ent | Pier | Quantity | | Hook | Anchors and Base Plates | | | Display Height | Braced Column | Footing Length | | Footing Depth | Steel Reinforcement | Pier Diameter | Ouantity S | Hook ize length | Base Plates** | |
| 5' | W 8x 13 | 14' | 6' | 1'6" | #4's @ 12i | in O.C. T&B | 3' | 18 | #5 | 8" | Option 1 | 14' | 12 FEET LONG | 5 | W 8x 13 | 14' | 5' | 1'6" | #4's @12in O.C. T&B | 3' | 18 4 | <i>1</i> 5 8" | Option 1 | 14' |
| 8' 10' | W 10x 17 W 8x 18 | 14' 14' | | | | in O.C. T&B in O.C. T&B | 3' | 18 18 | #5 #5 | 8" 8" | Option 3 Option 1 | 17' 19' | INSTALLATIONS | 8' 10' | W12x14 W8x15 | | 6' 6" 7' 6" | | #4's @12in O.C. T&B #4's @12in O.C. T&B | | | 5 8" 58" | Option 5 Option 1 | 17' 19' |
| 12' | W 8x21 W 14x22 | 14' 14' | 10' | 1'6" | #4's @ 12i | in O.C. T&B in O.C. T&B | 3' | 18 | #5 | 8" | Option 1 | 21' | | 12' 15' | W8x18 W8x21 | 14' 14' | 8' 10' | 1' 6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | 3' | 18 4 | 5 8" 5 8" | Option 1 Option 1 | 21' 24' |
| 15' | V7 14x22 | 14 | | | | | | 18 | #5 | U | Option 8 | 24 | | | | | | | oundation Requiremen | | | | | |
| | | | S | pread Fo | | Requirem er | | nd Pier Re | inforc em | | Anchors and | 1 Column | | | | | | pread Fo | | Pier a | nd Pier Rein | orcement | Anchors and | Column |
| Display Height | | Footing Length | Footing F Width | - | Steel Rei | nforc em ent | Pier Diameter | Quantity | | Hook Length | Base Plates | | | Display Height | Braced Column | Footing Length | Footing Width | Footing Depth | Steel Reinforcement | Pier Diameter | Quantity S | Hook ize length | Base Plates** | 1 |
| 4' | W 8x 13 | 12' | 5' 6" | 1'6" | #4's @ 12i | in O.C. T&B | 3' | 18 | #5 | 8" | Option 1 | 13' 14' | 10 FEET LONG | 4' 5' | W8x13 W8x13 | 12' | 4' 6" | 1'6" | #4's @12in O.C. T&B | | | 5 8" 5 8" | Option 1 | 13' 14' |
| 5' 6' | W 8x 13 W 8x 13 | 12' 12' | | | | in O.C. T&B in O.C. T&B | 3' | 18 18 | #5 #5 | 8" 8" | Option 1 Option 1 | 15' | INSTALLATIONS | 6' | W 8x 13 | 12' 12' | 5' 5'6" | 1' 6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | | 18 4 | 5 8" 5 8" | Option 1 Option 1 | 15' |
| 8' 10' | W 8x 15 W 8x 18 | 12' 12' | | | | n O.C. T&B | 3' | 18 18 | #5 #5 | 8" 8" | Option 1 Option 1 | 17' 19' | | 8' 10' | W8x13 W10x15 | 12' 12' | 6'6" 7 | 1' 6" 1' 6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | | | 5 8" 5 8" | Option 1 Option 3 | 17' 19' |
| 12' | W 8x 18 | 12' | 10' | 1'6" | #4's @ 12i | in O.C. T&B | 3' | 18 | #5 | 8" | Option 1 | 21' | | 12" | W 10x 17 | 12' | 8' | 1' 6" | #4's @12in O.C. T&B | 3' | 18 4 | <i>1</i> 5 8" | Option 3 | 21' |
| 15' | W 10x 22 | 12' | | | _ | in O.C. T&B | | 18 | #5 | 8" | Option 3 | 24' | | 15' | W 8x 18 | 12' | 9' 6" | | #4's @12in O.C. T&B | | | <i>1</i> 5 8" | Option 1 | 24' |
| | | | | in and F pread Fo | | Requirem er | | l on ASCE nd Pier Re | | ent | Anchors and | Column | | | | Τ | | mn and F pread Fo | oundation Requirement ofing | | on ASCE 7-1 Ind Pier Rein | - | Anchors and | Column |
| Display Height | Braced Column | | - | - | Steel Rei | nforc em ent | Pier Diameter | Quantity | | Hook length | Base Plates | | 9 FEET LONG | Display Height | Braced Column | Footing Length | | Footing Denth | Steel Reinforcement | Pier Diameter | Ouantity S | Hook ize length | Base Plates** | 1 |
| 4' | W 8x 13 | 11' | | | | in O.C. T&B | | 18 | #5 | 8" | Option 1 | 13' | INSTALLATIONS | 4' | W8x13 | 11' | 4' 6" | | #4's @12in O.C. T&B | | | 5 8" | Option 1 | 13' |
| | | | | | | Requirem er | | | | | | | | | | | | | oundation Requiremen | | | | | |
| Display | Braced | Footing | | pread Fo | ooting | | Pier ar Pier | nd Pier Re | | Hook | Anchors and | | | Display | Braced | Footing | | pread Fo Footing | oting | Pier a | nd Pier Rein | orcement Hook | Anchors and | 1 |
| Height | Column | Length | Width | Depth | | nforcement | Diam eter | Quantity | Size | Length | Base Plates | | O PEET LONG | Height | Column | Length | | Depth | Steel Reinforcement | | Quantity S | ize length | Base Plates** | |
| 3' 6' | W 8x13 W 8x13 | 10' 10' | 6' 6" | 1'6" | #4's @ 12i | in O.C. T&B in O.C. T&B | 3' | 18 18 | #5 #5 | 8" 8" | Option 1 Option 1 | 12' 15' | 8 FEET LONG INSTALLATIONS | 3' 6' | W8x13 | 10' 10' | 56 | 1' 6" 1' 6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | | + | 5 8" 5 8" | Option 1 Option 1 | 12' 15' |
| 8' 10' | W 12x 14 W 10x 17 | 10' 10' | | | | in O.C. T&B in O.C. T&B | | 18 18 | #5 #5 | 8" 8" | Option 5 Option 3 | 17' 19' | INSTRUMENTONS | 8' 10' | W8x13 | 10' 10' | 6'6" 7 | 1' 6" | #4's @12in O.C. T&B #4's @12in O.C. T&B | | | 5 8" 5 8" | Option 1 Option 1 | 17' 19' |
| | Notes | | | | <u>J</u> | | • | - | • | | | | | | <u> </u> | <u> </u> | _ | | | | <u> </u> | | | |
| 1. If th | ne displ | lay hei | - | | | | | | | | highest v | | 0.1 | | | | | | | | | | | |
| | | | | | | - | laced at | 10' inc | eremer | nts on | front and | d back o | of the column starting | at 10' | | Ou | ıtdoor | Score | eboard | • | | | | |
| | _ | | | | ateral si sure "C | | terrair | 1 with s | scatter | red ob | struction | s having | g heights generally les | s than | | Fo | oting | | | | ě – – | | | |
| 30 fee | t. This | catego | ry incl | udes f | flat opei | n country | y, grass | lands, | and al | ll wate | er surface | s in hu | rricane prone areas. | | | | 2 C | olumi | n | |] | Nevco, In | c. | |
| 4. Wir | nd loadi | ing figu | red at | Expo | sure "B | " - Urbar | and s | uburba | n area | as, wo | oded area | as, or ot | her terrain with num | | | | | | | | | | ois 62246 | |
| _ 1 1_ | | | | | | | | | | | | | s prevail in the upwin | d | | | | | | Drawir | ng No. | 241-04 | 09 | |
| | TOTT TOT | | | | | | | | | | the option | | above. | | Drav | vn | Ιn | ate 10 | | Sheet | | | | |
| directi | lease se | e DWC | 1-0010 | co ac. | | Dage pla | | | | | | | | | | | | | | | ()) | | | |
| directi 5. **Pl | | | | | | d is PER | | 01101101 | | | 1 | | | | | C | JS | 12 | 2/14/2018 | Sheet | 3 7 | | | |

| | | | | 4 | | | | İ | | | | | 3 | | 4 | | | 2 | | | | ı | | | | I | | |
|---|-------------------|------------------------|-------------------|---------------|-----------------------|-----------|-----------------|-----------------|-------------------------|-----------------------|--------------|----------------|------------------------------|------------------|--|-------------------|----------------------|-------------------|------------------|------------------------|--|------------|------------------|--------------------------|--------------------|-----------------|--------------|-------------------|
| | | | | | | | | | | | | | | 120 | MPH WIND Z | ONES | 3 | | | | | | | | | Rev | A |] |
| | | | | | | | | | ee Not | | | | | | | | | | | E | XPOSURE | B (Se | e Note | : 4) | | | | |
| | | | | | olum n ar Spread F | | ntion Rec | quirem en | ts (Based Pier an | d on ASC d Pier Re | | | Anchors and | Column | | | | 1 | | ımn and l Spread Fo | Foundation Rec | quirement: | | on ASCE 7 d Pier Rein | | | | |
| | Display Height | 1 1 | Footing Length | | Footing Depth | 1 | teinforce: | ment C | Pier Diameter | Quantity | y Size | Hook Length | Rase Plates** | Length | | Display Height | | | Footing | | | romont | Pier | | Hoo | Rase Plates* | 1 | |
| D | 6' 8' | W 8x 18 W 10x 22 | 20' 20' | 7' 6" 9' | 1'6" | #4'5 @1 | | | 3' | 18 18 | #5 #5 | 8" 8" | Option 1 Option 3 | 15° 17° | | 6' | W 10x 17 | 20 | 6' | 1' 6" | #4's @12in O | .C. T&B | 3' | 18 | #5 8' | Option 3 | 15' | D |
| | 9' | W 10x22 W 10x26 | 20' 20' | 10' 10' | 1'6" | #4'5 @1 | 2in O.C. | . T&B | 3' | 18 18 | #5 #5 | 8" | Option 3 Option 3 | 18' 19' | | 8, | W8x18 | 20' | 7' 6" 8' | 1' 6" | #4's @12in 0 | .C. T&B | 3' | 18 | #5 8' #5 8' | Option 1 | 17' 18' | |
| | 10'6" | W 10x26 W 12x26 | 20' 20' | 11' | 1'6" | #4'5 @1 | 2in O.C. | T&B | 3' | 18 | #5 | 8" | Option 3 | 19'6" | 18 FEET LONG | 10' 10'6" | W 8x 21 W 10x 22 | | 8' 6" | 1' 6" | #4's @12in O #4's @12in O | .C. T&B | 3' 3' | | #5 8' #5 8' | Option 3 | 19' 19'6" | |
| | 14' | W 12x30 | 20' | 12' | 1'6" | #4'5 @1 | 2in O.C. | T&B | 3' | 18 | #5 | 8" | Option 5 Option 5 | 21' | INSTALLATIONS | 12' 14' | W 10x 22 W 10x 26 | | 10' 11' | | #4's @12in 0 #4's @12in 0 | | 3' 3' | 18 18 | #5 8' #5 8' | | 21' 23' | |
| | 18' | W 14x34 W 16x36 | 20' 20' | 14' 15' | 1'6" | #5's @1 | 2in O.C. | . T&B | 3' 4' | 18 24 | #5 | 8" 9" | Option 8 Option 10 | 25 ⁻ | | 16' 18' | W 12x 26 | | 12' 13' | | #4's @12in O #4's @12in O | | 3' 3' | 18 18 | #5 8' #5 8' | | 25' 27' | |
| | | W 16x40 W 21x44 | 20' 20' | 16' 17' | 1'6" | #5's @1 | | | 4' 5' | 24 30 | #6 | 9" 11" | Option 10 Option 14 | 29' 31' | | 20' 22' | W 14x 34 W 16x 36 | 20' | 14' | 1' 6" | #5's @12in O #5's @12in O | .C. T&B | 3' | 18 | #5 8' #6 9' | Option 8 | 29' | |
| | | W 18x50 W 21x62 | 20' 20' | 19' 22' | 1'6" | #6's @1 | | | 4' 5' | 24 30 | #6 #7 | 9" 11" | Option 11 Option 14 | 34' 39' | | 25' 30' | W 16x 40 | 20' | 16' 19' | 1' 6" | #5's @12in O #6's @12in O | .C. T&B | 4' | 24 | #6 9' | Option 10 | 34' | |
| | 35' | W 24x68 W 24x84 | 20' 20' | 21' 22' | 2" | + | 2in O.C. | T&B | 5' | 30 30 | #7 #7 | 11" 11" | Option 16 Option 16 | 44' 49' | | 35' | W 21 x 55 | 20' | 21' | 1' 6" | #7's @12in O | .C. T&B | 5 | 30 | #7 11 | Option 14 | 44' | |
| | π, | WETAGT | | | | | | | ts (Baser | | | | Oparon 10 | 10 | | 40' | W 21 x 68 | 20' | 21' | | #8's @12in O | | 5' | 30 | #7 11 | Option 14 | 49' | |
| | Display | Demond | Castina | _ | Spread F | ooting | idon rec | purcinci | Pier an | d Pier Re | | nent | Anchors and | Column | | | | | | Spread Fo | Foundation Rec poting | quirement: | | on ASCE 7 d Pier Rein | orc em ent | — Anchors and | Column | |
| | Display Height | Column | Length | Width | - - | Steel F | | | Pier Diameter | | | | | | | Display Height | Braced Column | Footing Length | | Footing Depth | 1 | cement | Pier Diameter | Quantity : | Hoo Size leng | IK Rase Plates* | 1 | |
| | 5' 6' | W 10x 17 W 8x 18 | 18' 18' | 7' 6" | 1'6" | #4'5 @1 | 2in O.C. | . T&B | 3' | 18 18 | #5 #5 | 8" 8" | Option 3 Option 1 | 14' 15' | 16 FEET LONG | 5' 6' | W 8x 13 | | 5' 6" 6' | | #4's @12in O | | 3' 3' | 18 18 | #5 8' #5 8' | - | 14' 15' | \mathbf{I} |
| | 7' 8' | W8x21 W8x21 | 18' 18' | 8, | 1'6" | #4'5 @1 | | | 3' | 18 18 | #5 #5 | 8" | Option 1 Option 1 | 16' 17' |] INSTALLATIONS | 7' 8' | W 10x 17 W 8x 18 | | 7 7 | | #4's @12in O #4's @12in O | | 3' 3' | 18 18 | #5 8' #5 8' | | 16' 17' | 1 |
| C | | W 14x22 W 12x26 | 18' 18' | 10' 12' | 1'6" | #4'5 @1 | | | 3' 3' | 18 18 | #5 #5 | 8" 8" | Option 8 Option 5 | 19' 21' | | 10' 12' | W8x21 W10x22 | 18' | 8' 6" 10' | 1' 6" | #4's @12in O #4's @12in O | .C. T&B | 3' | | #5 8' #5 8' | Option 1 | 19' 21' | C |
| | 14' | W 12x30 W 14x30 | 18' 18' | 13' 14' | 1'6" | #4's @1 | 2in O.C. | T&B | 3' 3' | 18 18 | #5 #5 | 8" 8" | Option 5 Option 8 | 23' 25' | | 14' 16' | W 10x 26 | 18' | 10' 6" | 1' 6" | #4's @12in O #4's @12in O | .C. T&B | 3' | 18 | #5 8' #5 8' | Option 3 | 23' 25' | |
| | | | | | | | | | ts (Baser | | | | | | | 10 | VV 12.4.20 | 16 | | | | | | | | Орион э | ZJ | |
| | Dioplay | Demond | Contino | | Spread F | ooting | idon iveq | pan cin ci | Pier an | d Pier Re | | nent | Anchors and | Column | | | Τ | | | Spread Fo | , | lurement: | Pier and | d Pier Rein | orc em en | — Anchurs and | Column | |
| | Height | Column | Length | | | Steel F | | | Pier <u>Diameter</u> | | | | | | | Height | Column | Length | Footing Width | Depth | Steel Reinfor | | Pier Diameter | Quantity | Hoo Size leng | th Dase Flates | | |
| | 8, 2, | W 10x 15 W 8x 18 | 14' | 9' | 1'6" | #4'5 @1 | 2in O.C. | . T&B | 3' | 18 18 | #5 #5 | 8" | Option 3 Option 1 | 14' 17' | 12 FEET LONG | 01 | W8x 13 W8x 15 | | 5' 6" 7' | | #4's @12in O #4's @12in O | | 3' | | #5 8' #5 8' | | 14' 17' | |
| 4 | 10' 12' | W 8x 21 W 10x 22 | 14' | 10' 11' | 1'6" | #4'5 @1 | | | 3' | 18 18 | #5 | 8" | Option 1 Option 3 | 19' 21' | INSTALLATION | 10' 12' | W8x18 W8x21 | 14' | 8' 6" 9' 6" | | #4's @12in O #4's @12in O | | 3' 3' | | #5 8' #5 8' | | 19' 21' | |
| | 15 | W 12x26 | 14' | 13' | 1' 6" | #5'5 @1 | 2in O.C. | . T&B | 3' | 18 | #5 | 8" | Option 5 | 24' | | 15' | W 10x 22 | 14' | 11' | 1' 6" | #4's @12in O | .C. T&B | 3' | 18 | #5 8' | Option 3 | 24' | |
| | | | | | olum n an Spread F | | ition Rec | quirem en | ts (Based Pier an | d on ASC d Pier Re | | | l | | | | 1 | T | | imn and f Spread Fo | Foundation Rec | quirement: | | on ASCE 7 d Pier Rein | | <u> </u> | | 1 |
| | Display Height | 1 1 | Footing Length | | Footing Depth | 1 | einforce | ment C | Pier Diameter | Quantity | Size | Hook Length | Anchors and Base Plates** | Column Length | | Display Height | Brac ed Column | Footing Length | Footing | Footing Depth | | rement | Pier | | Hoo | Rase Plates* | 1 | |
| | 4' | W8x13 W12x14 | 12' 12' | 6' 6" | 1'6" | #4's @1 | 2in O.C. | T&B | 3' | 18 18 | #5 | 8" | Option 1 Option 5 | 13' 14' | 10 PPPW I ONG | 4' | W8x 13 | | 5' 6" | 1' 6" | #4's @12in O | .C. T&B | 3' | 18 | #5 8' | Option 1 | 13' | |
| | 6' | W8x15 | 12' | 7'6" | 1'6" | #4'5 @1 | 2in O.C. | . T&B | 3' | 18 | #5 #5 | 8" | Option 1 | 15' | 10 FEET LONG INSTALLATION | 6' | W8x 13 | 12' | 6' | 1' 6" | #4's @12in 0 | .C. T&B | 3' | 18 | #5 8' #5 8' | Option 1 | 14' 15' | |
| | 10' | W8x18 W8x18 | 12' 12' | 10' | 1'6" | #4'5 @1 | 2in O.C. | T&B | 3' | 18 | #5 #5 | 8" | Option 1 Option 1 | 17' 19' | | 10' | W 10x 15 | | 8'6" | 1' 6" | #4's @12in O #4's @12in O | .C. T&B | 3' | 18 | #5 8' #5 8' | Option 3 | 17' 19' | |
| B | | W 10x22 W 10x26 | 12' 12' | 11' | | #4'5 @1 | | | 3' | 18 18 | #5 | 8" 8" | Option 3 Option 3 | 21' 24' | | 12' 15' | W8x18 W8x21 | 12" | 9' 6" 11' | | #4's @12in O #4's @12in O | | 3' 3' | 18 18 | #5 8' #5 8' | | 21' 24' | $\ _{\mathbf{R}}$ |
| | | | | | | | ition Rec | quirem en | ts (Based | d on ASC | <u> </u> | <u> </u> | | | | | | | Colu | imn and f | Foundation Red | quirement: | s (Based o | on ASCE 7 | -10) | | | |
| | Display | Braced | Footing | | Spread F Footing | | | | Pier and Pier | d Pier Re | sinforc er | nent Hook | Anchors and Base Plates** | Column Length | 0 77777 0140 | Display | Brac ed | Footing | Footing | Spread For Footing | , | | Pier and Pier | d Pier Rein | orc em ent Hoc | — And nors and | I | |
| | Height 4' | Column W8x13 | Length 11' | Width 6'6" | - - | Steel F | | | Diameter 3' | Quantity 18 | y Size #5 | length 8" | Option 1 | 13' | 9 FEET LONG INSTALLATIONS | | Column W8x13 | Length 11' | Width 5' | | Steel Reinfor | | Diameter 3' | | Size leng #5 8' | th | 13' | |
| | | | | С | olum n an | nd Found: | ition Rec | quirem en | ts (Based | d on ASC | E 7-10) | 1 | | | | | | | Colu | ımn and f | Foundation Rec | quirement | s (Based o | on ASCE 7 | -10) | | | |
| | Display | Braced | Footina | | Spread F | | | | Pier an | d Pier Re | einforc ei | nent Hook | Anchors and | 1 | | Display | Brac ed | Footing | Footing | | ooting | | Pier and Pier | d Pier Rein | orc em ent | Anchors and | 1 | |
| _ | Height 3' | 1 | Length 10' | | Depth | | | | Diameter | Quantity 18 | y Size #5 | | Base Plates** Option 1 | Length 12' | | | Column W8x13 | Length | | Depth | 1 | | Diameter 3' | | | th Dasc Flates | Length | |
| | 6' | W 12x 14 | 10' | 7' 6" | 1'6" | #4'5 @1 | 2in O.C. | . T&B | 3' | 18 | #5 | 8" | Option 5 | 15 | 8 FEET LONG | 6' | W8x 13 | 10' | 6 7 | 1' 6" | #4's @12in O #4's @12in O | .C. T&B | 3' | 18 | #5 8' | Option 1 | 15' 17' | |
| | 10' | W 10x 17 W 8x 18 | 10' | 9' 10' | 1'6" | #4'5 @1 | 2in O.C. | T&B | 3' | 18 18 | #5 #5 | 8" 8" | Option 3 Option 1 | 17' 19' | INSTALLATION | 10' | W 10x 15 | 10' | 8' | 1' 6" | #4's @12in O | .C. T&B | 3' | 18 | #5 8' | Option 3 | 19' | |
| | 12" | W8x21 | 10' | 11' | 1'6" | #4'5 @1 | 2in O.C. | . T&B | 3' | 18 | #5 | 8" | Option 1 | 21' | | 12' | W 10x 17 | 10 | 9' | 1.6. | #4's @12in O | .C. I&B | 3' | 18 | #5 8' | Option 3 | 21' | <u> </u> |
| | | t Notes: the displ | | eight is | s betwe | een ch | art val | lues s | hown a | above. | use 1 | the ne | ext highest | value. | | | | | | | | | | • | | | | |
| | 2. All | installa | tions | will b | e brac | ed witl | n later | als pl | | | | | _ | | of the column start | ng at 10 | O' | C | outdoo | r Scor | reboard | | | | | VC | | |
| | | e grade. nd loadi | | | | | | | terrai | n with | scat | tered | obstruction | ıs havir | ng heights generally | less tha | n | | | | allation | | | | | | | A |
| | 30 fee | et. This | categ | gory in | cludes | s flat o | pen co | ountry | , gras | slands | s, and | all w | ater surfac | es in h | urricane prone area | 3. | | | 2 | Colun | nn | | | | Nevco, | | | |
| | | | | | | | | | | | | | | | other terrain with nu as prevail in the upv | | | | | | | | D | | ville, Ill | inois 62246 | | 4 |
| | direct | tion for a | a dist | ance c | of 2600 |) feet o | or 20 t | imes | the str | ucture | e heig | ht, w | nichever is | greater. | | . 1114 | | | | | | | Drawin | ng IVO. | 241-0 |)409 | | |
| | | Please se lantity o | | | | | | - | | l anch | or siz | es fro | m the optio | n listed | l above. | | Dr | awn | CJS | Date | 12/14/2 | 018 | Sheet | 4 of 7 | | | | 1 |
| L | <u> </u> | iarrity U | 1 1 1C1 | 4 | ,1 ((1116 | ,1103 IIS | .cu 18 | | - 11/1\. | | | | 3 | | Δ | | | 2 | <i>.</i> 00 | | .,, = | | | 1 / | | | | J |
| | | | | • | | | | • | | | | | • | | I | | | - | | | | • | | | - | _ | | |

| | | | 4 | <u> </u> | | | | | | 3 | | | 4 | | | 2 | | | 1 | | | | 1 | | | |
|---|-------------------|------------------|-------------------|------------------|----------------------|--|--------------------|--------------------------|------------|----------------|------------------------------|--------------|--|---|--------------------|-------------------|------------------|----------------------|--|-------------|----------------|-----------------------------|-------------------|------------------------|----------------------------------|-------------|
| | | | - | | | | | | | | | 130 | MPH WIND ZO | ONES | | | | | <u> </u> | | | | _ | F | Rev B | , |
| | | | | | E | XPOSURE C | (See No | te 3) | | | | | | | | | | E | (POSURE B | (See N | ote 4 |) | | | | |
| | | | | | um n and Spread F | Foundation Require coting | | d on ASCE and Pier Re | | ment | A nahom and | Column | | Column and Foundation Requirements (Base Spread Footing Pic | | | | | | | | Pier and Pier Reinforcement | | | | |
| | Display Height | Braced Column | Footing Length | Footing Width | Footing Width | Steel Reinforcem | Pier ent Diamet | er Quantity | Size | Hook Length | Anchors and Base Plates** | 1 | | Display Height | Braced Column | Footing Length | | Footing | | Pi | ier | | Ho | ^{DK} Base F | rs and Colum lates** Leng | |
| D | 6' | W8x21 W10x22 | 20' | 8' 10' | 1'6" | #4's @12in O.C. #4's @12in O.C. | ₹B 3' | 18 | #5 #5 | 8" 8" | Option 1 Option 3 | 15' 17' | | 6' | W8x 18 | 20' | 6' 6" | 1' 6" | #4's @12in O.C. | T&B 3 | 3' | 18 | #5 8 | Opti | | |
| | 9' | W10x26 | 20' | 10' | 1'6" | #4's @12in O.C. | €B 3' | 18 | #5 | 8" | Option 3 | 18' | | 9, | W8x 21 W8x 21 | 20' | 8' 9' | 1'6" | #4's @12in O.C. #4's @12in O.C. | T&B 3 | 3' 3' | 18 | #5 8 #5 8 | Opti | on 1 18' | • |
| | 10°6" | W12x26 W12x26 | 20' 20' | 11' | 1'6" 1'6" | #4's @12in O.C. #4's @12in O.C. | &B 3' | 18 18 | #5 #5 | 8" 8" | Option 5 Option 5 | 19' 19'6" | 18 FEET LONG | 10° | W 10x22 W 10x22 | 20' 20' | 9' 6" | 1'6" | #4's @12in O.C. #4's @12in O.C. | | 3' 3' | 18 18 | #5 8 #5 8 | | | |
| | 12' 14' | W12x30 W14x34 | 20' 20' | 12' 14' | 1'6" 1'6" | #4's @12in O.C. #5's @12in O.C. | | 18 18 | #5 #5 | 8" 8" | Option 5 Option 8 | 21' | INSTALLATIONS | 12' 14' | W 10x26 W 12x26 | 20' 20' | 10' | 1' 6" | #4's @12in O.C. #4's @12in O.C. | | 3' 3' | 18 18 | #5 8 #5 8 | | | |
| | 16' | W16x36 W16x40 | 20' 20' | 15' 16' | 1'6" 1'6" | #5's @12in O.C. #5's @12in O.C. | &B 4' | 24 24 | #6 #6 | 9" 9" | Option 10 Option 10 | 25' 27' | | 16' | W 12x30 W 14x34 | 20' 20' | 13' 14' | 1' 6" | #4's @12in O.C. #5's @12in O.C. | T&B : | 3' | 18 | #5 8 #5 8 | Opti | on 5 25 | • |
| | 20' | W21x44 | 20' | 17' 19' | 1'6" | #6's @12in O.C. | &B 5' | 30 | #7 | 11" 9" | Option 14 | 29' | | 20' | W 16x36 | 20' | 15' | 1' 6" | #5's @12in O.C. | T&B 4 | 4' | 24 | #6 9 | Optio | n 10 29 | • |
| | 25' | W18x50 W21x55 | | 20' | 1'6" | #7's @12in O.C. | &B 5' | 30 | #6 #7 | 11" | Option 11 Option 14 | 34' | | 25 | W 16x40 W 21x44 | 20' 20' | 16' 17' | 1' 6" | #5's @12in O.C. #6's @12in O.C. | T&B : | 4' 5' | 24 30 | #6 9 #7 11 | " Optie | n 14 34 | • |
| _ | 30° 35° | W21x68 W24x76 | 20' 20' | 21' 22' | 2' 2'3" | #8's @12in O.C. #9's @12in O.C. | | 30 | #7 #7 | 11" 11" | Option 14 Option 16 | 39' 44' | | 30° | W 18x55 W 21x62 | 20° 20° | 20' 20' | 1' 6" | #7's @12in O.C. #8's @12in O.C. | | 4' 5' | 24 30 | #6 9 #7 11 | | | |
| | 40' | W24x94 | 20' | 22' | 2' 9" | #10's @12in O.C. | T&B 5' | 30 | #7 | 11" | Option 16 | 49' | | 40' | W 24x 68 | 20' | 22' | 2" | #9's @12in O.C. | | 5 | 30 | #7 11 | " Optio | n 16 49' | |
| | | | | | um n and Spread F | Foundation Require ooting | | d on ASCE and Pier Re | | ment | | | | | | | | mn and F Spread F | oundation Require ooting | | | | 0) forcement | | | \exists |
| | Display Height | Braced Column | Footing Length | Footing Width | | Steel Reinforcem | Pier | | | Hook | Anchors and Base Plates** | 1 | | Display Height | Brac ed Column | Footing Length | | Footing | | Pi | ier | | Ho | ^{DK} Base F | rs and Colum lates** Leng | 11 |
| | 5' | W8x18 | 18' | 7' 6" | 1'6" | #4's @12in O.C. | ₹B 3' | 18 | #5 | 8" | Option 1 | 14' | | 5' | W 10x 15 | 18' | 6' | 1' 6" | #4's @12in O.C. | T&B 3 | 3' | 18 | #5 8 | Opti | | |
| | 7 | W8x21 W8x21 | 18' 18' | 8' 8' | 1'6" 1'6" | #4's @12in O.C. #4's @12in O.C. | ₹B 3' | 18 18 | #5 #5 | 8" 8" | Option 1 Option 1 | 15' 16' | 16 FEET LONG | 7 | W 10x 17 W8x 18 | 18' 18' | 6' 6" 7' 6" | 1' 6" | #4's @12in O.C. #4's @12in O.C. | T&B : | 3' | 18 | #5 8 #5 8 | Opti | on 1 16 | • |
| C | 8' 10' | W10x22 W10x26 | 18' 18' | 10' 11' | 1'6" 1'6" | #4's @12in O.C. #4's @12in O.C. | &B 3' | 18 18 | #5 #5 | 8" 8" | Option 3 Option 3 | 17' 19' | INSTALLATIONS | 8' 10' | W8x 18 W8x 21 | 18' 18' | 8' 8' | 1' 6" | #4's @12in O.C. | T&B 3 | 3' 3' | 18 18 | #5 8 #5 8 | | on 1 19' | \Box |
| | 12' 14' | W12x26 W14x30 | 18' 18' | 12' 14' | 1'6" 1'6" | #4's @12in O.C. #5's @12in O.C. | | 18 18 | #5 #5 | 8" 8" | Option 5 Option 8 | 21' | | 12" 14" | W 14x22 W 10x26 | 18' 18' | 10' | 1'6" | #4's @12in O.C. #4's @12in O.C. | | 3' 3' | 18 18 | #5 8 #5 8 | | | — |
| | 16' | W14x34 | 18' | 15' | 1'6" | #5's @12in O.C. | &B 3' | 18 | #5 | 8" | Option 8 | 25' | | 16' | W 12x26 | 18' | 13' | 1' 6" | #4's @12in O.C. | T&B 3 | 3' | 18 | #5 8 | ' Opti | on 5 25 | |
| | | | | | um n and Spread F | Foundation Require | | d on ASCE and Pier Re | | ment | | | | | <u> </u> | | | mn and F Spread F | oundation Require | | | | 0) forcement | | - | \exists |
| | Display | 1 | _ | Footing | Footing | | Pier | | | Hook | Anchors and Base Plates** | 1 | | Display | Brac ed | | Footing | Footing | ı | Pi | ier | | Ho | ^{DK} Base F | rs and Colum lates** Leng | 11 |
| | Height 5' | Column W10x17 | Length 14' | Width 7' 6" | Width 1'6" | Steel Reinforcem #4's @12in O.C. | €B 3' | er Quantity 18 | #5 | 8" | Option 3 | 14' | | Height 5' | Column W8x 13 | Length 14' | Width 6' | 1'6" | #4's @12in O.C. | T&B : | 3' | 18 | #5 8 | Opti | | |
| | 8' 10' | W8x21 W10x22 | 14' 14' | 10' 11' | 1'6" 1'6" | #4's @12in O.C. #4's @12in O.C. | | 18 18 | #5 #5 | 8" 8" | Option 1 Option 3 | 17' 19' | 12 FEET LONG | 8' 10' | W 10x 17 W8x 18 | 14' 14' | 8' 9' | 1'6" | #4's @12in O.C. #4's @12in O.C. | | 3' 3' | 18 18 | #5 8 #5 8 | - | on 1 19° | • |
| + | 12' 15' | W10x26 W12x30 | | 12' 14' | 1'6" 1'6" | #4's @12in O.C. #5's @12in O.C. | | 18 18 | #5 #5 | 8" 8" | Option 3 Option 5 | 21' 24' | INSTALLATIONS | 12" 15" | W8x 21 W 10x 26 | 14' 14' | 10' 12' | | #4's @12in O.C. #4's @12in O.C. | | 3' 3' | 18 18 | #5 8 #5 8 | - | | |
| | | | | Col | um n and | Foundation Require | m ents (Base | d on ASCE | 7-10) | | - | | | | | | Colu | mn and F | oundation Require | ments (Ba | sed on A | ASCE 7-1 | D) | | | \exists |
| | Display | Braced | Footing | Footing | Spread F | ooting | Pier Pier | and Pier Re | inforce | ment Hook | Anchors and | 1 | | Display | Brac ed | Footing | | Spread F | , | | ier and ier | Pier Rein | forcement Ho | nde i | rs and Colum | 11 |
| | Height | Column W8x13 | Length 12' | | Width 1'6" | Steel Reinforcem #4's @12in O.C. | ent Diamet | er Quantity 18 | Size #5 | | Base Plates** Option 1 | Length | | Height 4' | Column W8x 13 | Length 12' | Width 5'6" | | 1 | | neter C | Quantity 18 | Size leng #5 8 | yth | lates** Leng | |
| | 5 | W10x15 | 12' | 7'6" | 1'6" | #4's @12in O.C. | 68B 3' | 18 | #5 | 8" | Option 3 | 14' | 10 FEET LONG | 5' | W8x 13 W8x 13 | 12" | 6' | 1' 6" | #4's @12in O.C. #4's @12in O.C. | T&B 3 | 3' | 18 | #5 8 | Opti | on 1 14 | • |
| | 8, | W10x17 W8x18 | 12' 12' | 9' 6" | 1'6" 1'6" | #4's @12in O.C. #4's @12in O.C. | €B 3' | 18 18 | #5 #5 | 8" 8" | Option 3 Option 1 | 15' 17' | INSTALLATIONS | 8' | W8x 15 | 12" | 8' | 1' 6" | #4's @12in O.C. | T&B 3 | 3' | 18 | #5 8 #5 8 | Opti | on 1 17 | • |
| В | 10' 12' | W8x21 W10x22 | 12' 12' | 11' 12' | 1'6" 1'6" | #4's @12in O.C. #4's @12in O.C. | | 18 18 | #5 #5 | 8" 8" | Option 1 Option 3 | 19' 21' | | 10° 12° | W8x 18 W8x 21 | 12" 12" | 9' 10' | 1' 6" | #4's @12in O.C. #4's @12in O.C. | T&B 3 | 3' | 18 18 | #5 8 #5 8 | Opti | on 1 21 | • B |
| | 15 | W12x26 | 12' | 14' | 1'6" | #5's @12in O.C. | &B 3' | 18 | #5 | 8" | Option 5 | 24' | | 15 | W 10x22 | 12" | 12' | 1'6" | #4's @12in O.C. | T&B 3 | 3' | 18 | #5 8 | ' Opti | on 3 24" | |
| | | | | | um n and Spread F | Foundation Require octing | | d on ASCE and Pier Re | | ment | | | | | | | | mn and F Spread F | oundation Require outing | | | | 0) forcement | Ancho | rs and Colum | |
| | Display Height | Braced Column | Footing Length | Footing | | Steel Reinforcem | Pier | | | Hook | Anchors and Base Plates** | 1 | 9 FEET LONG | Display Height | Brac ed Column | Footing Length | Footing Width | Footing Width | · 1 | - ' | ier neter G |) uantity | Ho Size len | DK Base F | lates** Leng | 11 |
| | 4' | W8x13 | 11' | 7' | 1'6" | #4's @12in O.C. | | 18 | #5 | 8" | Option 1 | 13' | INSTALLATIONS | 4' | W8x 13 | 11' | 5'6" | | #4's @12in O.C. | | 3' | 18 | #5 8 | _ | on 1 13° | \exists |
| | | | | | | Foundation Require coting | | | | more | Ι | 1 | | | | · | | mn and F Spread F | oundation Require | | | | 0) forcement | | | $\exists $ |
| | Display | 1 | _ | Footing | | | Pier | | | Hook | Anchors and Base Plates** | | | Display | Brac ed | _ | Footing | Footing | ı | Pi | ier | | Ho | ok Base F | rs and Colum lates** Leng | 11 |
| | Height 3' | Column W8x13 | Length 10' | Width 6' | Width 1'6" | Steel Reinforcem #4's @12in O.C. | | er Quantity 18 | Size #5 | Length 8" | Option 1 | 12' | 8 FEET LONG | Height 3' | Column W8x 13 | Length 10' | Width 5' | 1' 6" | #4's @12in O.C. | T&B 3 | 3' | 18 | #5 8 | Opti | | |
| | 6' 8' | W10x15 W8x18 | 10' 10' | 8' 9'6" | 1'6" 1'6" | #4's @12in O.C. #4's @12in O.C. | | 18 18 | #5 #5 | 8" 8" | Option 3 Option 1 | 15' 17' | INSTALLATIONS | 6' 8' | W8x 13 W 12x 14 | 10' 10' | 6' 6" 8' | 1'6" | #4's @12in O.C. #4's @12in O.C. | | 3' 3' | 18 18 | #5 8 #5 8 | | | |
| | 10' 12' | W8x18 W10x22 | 10' 10' | 11' 12' | 1'6" 1'6" | #4's @12in O.C. #4's @12in O.C. | &B 3' | 18 18 | #5 #5 | 8" 8" | Option 1 Option 3 | 19' 21' | | 10' 12' | W 10x 17 W8x 18 | 10' 10' | 9' 10' | 1' 6" | #4's @12in O.C. #4's @12in O.C. | | 3' 3' | 18 18 | #5 8 #5 8 | | | |
| | | t Notes | | , "~ | | 2.75 @ IZEI U.U. | U | 1 10 | 1 20 | <u> </u> | >paon d | | I | | · | • | | | | | | L | | , • | | \dashv |
| | | | | ight is i | betwee | n chart value | s shown a | above, us | se the | e next | highest va | alue. | | | | | | | | | | | | | | |
| | | | | | | | placed a | t 10' incr | remer | nts on | front and | back o | of the column starting | g at 10' | | Ou | tdoor | Scor | eboard | •8 | | | | VI | | |
| A | | _ | | | | ateral sizes. sure "C" - Op e | en terrai: | n with so | catter | ed ob | structions | having | g heights generally les | ss than | | Fo | _ | | llation | | Ť | | | | | A |
| | 30 fe | et. This | catego | ory inc | ludes f | lat open coun | try, grass | slands, a | nd al | 1 wate | er surfaces | in hu | rricane prone areas. | | | | 2 C | Colum | n | | | | Nevco, | | 16 | |
| | | | | | | | | | | | | | her terrain with numes s prevail in the upwin | | | | | | | Dr | awing | | <u> </u> | nois 622 | ++0 | \dashv |
| | direc | tion for | a dista | ance of | 2600 1 | feet or 20 time | es the str | ucture h | eight | , whic | hever is gr | reater. | • | | | | | | | | | | 241-0 |)409 | | |
| | | | | | | termine base j ts listed is PE | | anchor | sizes | from t | the option | listed | above. | | Drawn | n CJ | | Date | 12/14/201 | 8 Sh | eet c | of 7 | | | | |
| L | ٥. ٧٠ | - Carriery | 1 101 | | | | | | | | | | <u>_</u> | | | CO | Š | | , , , , - | | <u> </u> | | | | | |

| SEXPOSURE Class Note 3 Sex Se | | | | 4 | | | | | 1 | | | | | 3 | | 4 | | | 2 | | | ſ | | | 1 | | |
|--|---|--------------|----------|------------|----------------|----------------|---|-------------------|----------|--------------|-----------|-----------|---------|-------------|---------|--------------------------|----------|---------|---------|------------|----------------|-----------------------|---------------|----------------------|-----------------------|------------------------------|--------------|
| EXPOSURE 5 (See Note 4) Commonwealth Representation (Commonwealth Repre | | | | <u> </u> | | | | | <u> </u> | | | | | | 150 | | NES | | | | | | | | | Rev | В |
| Column C | | | | | | F | YPOS | IIRE C | : (Sec | e Not | e 3) | | | L | | | | | | | | | | | | | |
| Deck | | | | | Cok | | | | | | | E 7-10) | | | | | | | | | | <u> </u> | | | c em ent | Anchors and | Column |
| Direct County Street West W | | Display | Brac ed | Footing | | • | ooting | | | | nd Pier R | einforcer | Hook | | | | 1 | 1 | | • | | Steel Reinforcement | | antity Siz | Hook e Length | Base Plates** | |
| W | | | | | | | | | | ameter 3' | | | Length | | | | 6' | W8x 18 | 20' | 8' | 1' 6" | #4's @12in O.C. T&B | 3' | 18 <i>#</i> 5 | 8" | Option 1 | 15' 17' |
| | ש | 8' | W12x26 | 20' | 11' | 1'6" | #4's @12 | žin O.C. 1 | r&B | 3' | 18 | #5 | 8" | Option 5 | 17' | | 9' | W14x22 | 20' | 10" | 1' 6" | #4's @12in O.C. T&B | 3' | 18 #5 | 8" | Option 3 Option 8 | 18' |
| NSTALLATIONS | | 10' | W12x30 | 20' | 13' | 1'6" | #4's @12 | žin O.C. 1 | T&B | 3' | | | 8" | Option 5 | 19' | 18 FFFT LONG | | | | | | | | | | Option 3 Option 5 | 19' 19'6" |
| | | | | | | | | | | 3' | | | | | | | | | | | | | | | 8" 8" | Option 5 Option 8 | 21' 23' |
| If Interest Property Prop | | | | | | | | | | 4' 5' | | | | <u> </u> | | | 16' | W14x34 | 20' | 14' | 1' 6" | #5's @12in O.C. T&B | 3' | 18 #5 | 8" | Option 8 | 25' |
| ## # # # # # # # # # # # # # # # # # # | | 18' | W16x50 | 20' | 18' | 1'6" | #6's @12 | 2in O.C. 1 | r&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 10 Option 14 | 27' 29' |
| Warren W | | 22 | W21x55 | 20' | 21' | 1'6" | #7's @12 | 2in O.C. 1 | r&B | 5 | 30 | #7 | 11" | Option 14 | 31' | | | | | | | | | | _ | Option 10 Option 11 | 31' 34' |
| According Front Column and Foundation Programments (Based and ACC) Front Fro | | | | | | | | | | 5 5 | | | | | | | | | | | | | | | 11" | Option 14 Option 16 | 39' 44' |
| Column surf Fourchaften Regularization Fourchaft Regularization Fourc | | 35' 40' | | | | | | | | 5' 5' | | | | <u> </u> | | | | | | | | | | | 11" | Option 16 | 49' |
| Speak Farther Part Par | | | | | | | | | | (Based | | | | | | | | I | | | | . | | | - on ort | | |
| Hospie Column Long in Wath Wath Wath Stell Reinsterement Dameded Country Stell Long in | | Dienkw | Broe od | Ecotina | | pread F | ooting | | | Pier ar | | | | | | | | 1 | | Footing | Footing | | Pier | | Hook | Anchors and Base Plates** | I II |
| C Wildry W P P P R R R R R R R | | Height | Column | Length | Width | Width | Steel Ro | | ent Dia | | | | Length | | | | | | | | | | | | | Option 3 | 14' |
| C 19 W1622 19 19 19 19 19 19 19 | | | | | | | | | | 3' | | | | | | | | | | | | | | | _ | Option 1 Option 1 | 15' 16' |
| C U V 1250 V 127 V 250 V 127 V 250 V 250 C C C C C C C C C | | | | 18' 18' | 10' | | | | | 3' | | | | | | INSTALLATIONS | 8' | W8x 21 | 18' | 9' | 1' 6" | #4's @12in O.C. T&B | 3' | 18 #5 | 8" | Option 1 | 17' |
| 1 | C | | | | | 1'6" | #4's @12 | žin O.C. 1 | T&B | 3' 3' | 18 | #5 | | Option 5 | | | 12" | W12x26 | 18' | 12" | 1' 6" | #4's @12in O.C. T&B | 3' | 18 #5 | 8" | Option 3 Option 5 | 19' 21' |
| Coann and Foundation Requirements (Based on ASCE 74) Coann and | | 14' | W16x36 | 18' | 16' | 1'6" | #5's @12 | 2in O.C. 1 | r&B | 4' | 24 | #6 | 9" | Option 10 | 23' | | | | | | | | | | | Option 5 Option 8 | 23' 25' |
| Display Disp | | 16 | VV 16X4U | 16 | | | | | | 4 | | | 9" | Option 10 | _ Zī) | | | | | Colu | umn and F | oundation Requirement | s (Based on A | SCE 7-10) | | | |
| | | | | | | pread F | | on Kequin | | | | | nent | Anchors and | Column | | Display | Brac ed | Footing | | | oting | | Pier Reinfor | ement Hook | Anchors and | |
| Fig. Wit 16 Fig. | | 1 | | | | • | Steel Ro | einforcem (| | | Quantity | Size | | | | | Height | Column | Length | • | Width | | Diameter Qu | | e Length | Base Plates** | |
| 19 W10226 | | 5 | W8x 18 | 14' | 14' 9' 1'6' | 7' 1'6" #4's @ | #4's @12in O.C. T&B #4's @12in O.C. T&B #4's @12in O.C. T&B | 3' 1 | 18 | #5 (| 8" | <u> </u> | | | | | | 9' | | | | | | Option 3 Option 1 | 14' | | |
| 17 With 254 14 16 16 17 87 875 827 102 18 5 8 0 105 | | 10' | W10x26 | 14' | 13' | 1'6" | | Zin O.C. 1 | r&B | 3' | 18 | #5 | 8" | Option 3 | 19' | INSTALLATIONS | | | | | | | | | | Option 3 Option 8 | 19' 21' |
| Depty Braced Footing | 1 | 15 | | | | | | 12in O.C. T&B | | 3' | | | | <u> </u> | | | 15 | W12x26 | 14' | 14' | | | 3' | 18 #5 | 8" | Option 5 | 24' |
| Depty Discret Depty Di | | | | | | | | on Requir | | | | | | | | | | | | | | - | | | cement | | |
| Part Column Length Width Width Steel Reinforcement Display D | | Display | | _ | Footing | Footing | | | | Pier | | | Hook | | | | 1 | 1 | | Footing | Footing | | Pier | | Hook | Anchors and Base Plates** | |
| B F F F F F F F F F | | Height 4' | | | Width 8' | | | | | ameter 3' | | | | | | | 4' | W8x 13 | 12" | | 1' 6" | #4's @12in O.C. T&B | 3' | 18 #5 | 8" | Option 1 | 13' |
| B 12 11 16 16 16 16 16 16 | | 5' 6' | | | | 1'6" | #4's @12 | 2in O.C. 1 | T&B | 3' | | | | Option 1 | | | | | | 8' | | | | | | Option 5 Option 1 | 14' 15' |
| 12 W12226 12 14 15 85 6120 12 16 15 85 6120 12 16 15 85 6120 12 16 15 85 6120 12 16 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 6120 12 15 15 85 85 15 15 85 85 | | 8' | W8x 21 | 12" | 11' | 1'6" | #4's @12 | žin O.C. 1 | r&B | 3' | 18 | #5 | 8" | Option 1 | 17' | INSTALLATIONS | | | | | | | | | | Option 1 Option 1 | 17' 19' |
| Column and Foundation Requirements (Based on ASCE 7-10) Spead Footing Sp | В | 12' | W12x26 | 12" | 14' | 1'6" | #5's @12 | Zin O.C. 1 | r&B | 3' | 18 | #5 | 8" | Option 5 | 21' | | | W10x22 | | | 1' 6" | #4's @12in O.C. T&B | | | | Option 3 Option 3 | 21' 24' |
| Spead Footing | | 15 | W12X3U | 12 | | | | | | 3 | | | 8" | Option 5 | 24- | | | | | | | | _ | | | | |
| Booker Footing Footi | | | | | | pread F | | on Requir | | | | | nent | Anchors and | Column | | Diamles | D-s ad | Fastina | 5 | Spread Fo | | Pier and I | | | Anchors and | Column |
| Column and Foundation Requirements (Based on ASCE 7-10) Spread Footing Pier and Pier Reinburcement Display Braced Footing Foo | | | | | | - | Steel Ro | einforc em (| | | Quantity | Size | | | | 9 FEET LONG | | Column | Length | Width | Width | | | antity Siz | Hook e Length | Base Plates** | |
| Display Braced Footing Footi | | 4' | W10x15 | 11' | 8' | 1'6" | #4's @12 | 2in O.C. 1 | r&B | 3' | 18 | #5 | 8" | Option 3 | 13' | INSTALLATIONS | 4' | W8x 13 | 11' | 6'6" | 1'6" | #4's @12in O.C. T&B | 3 | 18 #5 | 8" | Option 1 | 13' |
| Display Braced Height Cotumn 3 Wax 13 10° 7° 1°6° 1445 @120 OC 138 3° 18 45 8° Option 1 12° 16° 1445 @120 OC 138 3° 18 45 8° Option 1 12° 10° W10x22 10° 12° 1°6° 1445 @120 OC 138 3° 18 45 8° Option 1 12° 10° W10x22 10° 12° 1°6° 1445 @120 OC 138 3° 18 45 8° Option 1 12° 12° W10x26 10° 14° 16° 16° 16° 16° 16° 16° 16° 16° 16° 16 | | | | | | | | on Requir | | | | | nent | | | | | | L | | | | | | c em ent | Anchor and | Column |
| 3 Wax 13 10 7 116 #45 §12n O.C. 18B 3 18 #5 8 Option 1 12 8 FEET LONG 8 Wax 18 10 9 6 116 #45 §12n O.C. 18B 3 18 #5 8 Option 1 17 10 W10x22 10 12 116 #45 §12n O.C. 18B 3 18 #5 8 Option 1 17 W10x22 10 12 116 #45 §12n O.C. 18B 3 18 #5 8 Option 3 19 12 W10x26 10 14 16 #55 §12n O.C. 18B 3 18 #5 8 Option 3 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 "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. 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. 1. If the display height is between chart values shown above, use the next highest value. 2. Claumin To the structure height whichever is greater. 3. Wind loading figured at Exposure "C" - Open terrain with scattered obstructions having heights generally less than 5 18 18 18 18 19 10 10 12 16 18 18 10 10 10 10 10 10 10 10 | 4 | | | | Footing | Footing | | oinfor- | | Pier | | | Hook | | | | | 1 | | Footing | Footing | | Pier | | Hook | Anchors and Base Plates** | |
| 8' W8x21 10' 11' 1'6' \$44'\$ @12n O.C. T&B 3' 18 \$45 8' Option 1 17' 10' W10x22 10' 12' 1'6' \$44'\$ @12n O.C. T&B 3' 18 \$45 8' Option 3 19' 12' W10x26 10' 14' 1'6' \$45'\$ @12n O.C. T&B 3' 18 \$45 8' Option 3 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 hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine hase plate and anchor sizes from the option listed above. **The searce of DWG-0818 to determine | | 3' | W8x 13 | 10" | 7 | 1'6" | #4's @12 | žin O.C. 1 | r&B | 3' | 18 | #5 | 8" | <u> </u> | | Q EEET I ONG | 3' | W8x 13 | 10" | | 1' 6" | #4's @12in O.C. T&B | 3' | 18 #5 | 8" | Option 1 | 12' |
| A 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. | | | W8x 21 | 10" | 11' | 1'6" | #4's @12 | žin O.C. 1 | T&B | 3' | | | 8" | Option 1 | 17' | | 8' | W10x17 | 10" | • | 1' 6" | #4's @12in O.C. T&B | 3' | 18 #5 | | Option 5 Option 3 | 15' 17' |
| 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 | | | | | | | | | | 3' | | | | | | | | | | 10° 12' | | | _ | | 8" | Option 1 Option 1 | 19' 21' |
| 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 have plate and anchor sizes from the option listed above. | | Chart | Notes: | | | | | | ' | | | | | - | | | | | | | | | | | | | |
| 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 hase plate and anchor sizes from the option listed above. | | | | | | | | | | | | | | | | of the column starting | or at 10 | , | | | | | | | | | |
| 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 hase plate and anchor sizes from the option listed above. | | | | | | | | | s piac | ceu a | t 10 II | iciem | ents c | on nom an | ia dack | or the column starting | g at 10 | | | | | | ***** | | _ | | |
| 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. | A | 3. Win | d loadi | ng figu | red at | Expo | sure " | C" - O I | | | | | | | | | | ı | F | • | _ | | | | | | J |
| 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. | | | | _ | • | | _ | | • | _ | | | | | | | | | | 4 | Colun | 111 | | | evco, Ind | | |
| 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. | | closely | spaceo | d obstr | uction | s hav | ing the | e size o | f sing | gle-fai | mily d | wellin | gs or 1 | arger. Th | ese are | eas prevail in the upwir | | | | | | | | No. | ville, Illinois 62246 | | |
| JO. FICASC SCC DWG-0010 IO UCICI IIIIIC DASC DIAIC AIIO AIICIOT SIZES ITOII IIIC ODIIOII IISICO ADOVE. | | directi | on for a | a dista | nce of | 2600 | feet or | 20 tim | nes th | ie str | ucture | heigh | it, wh | ichever is | greatei | • | | | | - | D : | | | | 241-04 | 09 | |
| 6. Quantity of Pier reinforcements listed is PER PIER . CJS Date 12/14/2018 Sheet of 6 7 | | | | | | | | | | | ancho | or size | s iron | ı ıne optio | n nste | и ароve. | | Dra | | | Date | 12/14/2018 | Sheet o | f 7 | | | |
| 3 A 2 | L | | <u> </u> | 4 | | | | | | | | | | 3 | | Ф | | | 2 | | | <u> </u> | <u> </u> | | 1 | | |

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|--------------|--|---|--|
| | | 180 MPH WIND ZO | VES Rev B |
| | EXPOSURE C (See Note 3) | | EXPOSURE B (See Note 4) |
| | Column and Foundation Requirements (Based on ASCE 7-10) Spread Footing Pier and Pier Reinforcement A | Anchors and Column | Column and Foundation Requirements (Based on ASCE 7-10) Spread Footing Pier and Pier Reinforcement Anchors and Column |
| | Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length | base Plates - Length | Display Braced Footing Footing Footing Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length |
| D | 6' W 12x 26 20' 11' 1' 6" #4's @12in O.C. T&B 3' 3,4 #5 8" 8' W 14x 30 20' 13' 1' 6" #4's @12in O.C. T&B 3' 18 #5 8" | Option 5 15' Option 8 17' | 6' W 10x22 20' 9' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 3 15' 8' W 12x26 20' 11' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 5 17' |
| | | Option 8 18' Option 10 19' | 9' W 12x 26 20' 12' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 5 18' 10' W 12x 30 20' 13' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 5 19' |
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| | 14' W 16x50 20' 19' 1'6" #6's @12in O.C. T&B 4' 24 #6 9" | Option 10 23' INSTALLATIONS Option 11 25' | 14' W 16x 40 20' 16' 1'6" #5's @12in O.C. T&B 4' 24 #6 9" Option 10 23' 16' W 21x 44 20' 17' 1'6" #6's @12in O.C. T&B 5' 30 #7 11" Option 14 25' |
| | 18' W 21x 62 20' 22' 1' 6" #7's @12in O.C. T&B 5' 30 #7 11" | Option 14 27' | 18' W 16x50 20' 19' 1'6" #6's @12in O.C. T&B 4' 24 #6 9" Option 10 27' |
| | 22' W 24x 68 20' 22' 2' #8's @12in O.C. T&B 5' 30 #7 11" | Option 16 31' | 22' W 21x55 20' 22' 1'6" #7's @12in O.C. T&B 5' 30 #7 11" Option 14 31' |
| | 30' W 24x 103 20' 22' 3'6" #10's @ 12in O.C. T&B 5' 30 #7 11" | Option 16 34' Option 16 39' | 25' W 21x 68 20' 22" 1' 9" #8's @12in O.C. T&B 5' 30 #7 11" Option 14 34' 30' W 24x 76 20' 22" 2' 6" #9's @12in O.C. T&B 5' 30 #7 11" Option 16 39' |
| | | Option 17 | 35' W21x101 20' 22' 3'3" #10's @12in O.C. T&B 5' 30 #7 11" Option 15 44' 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 Braced Footing Footing Footing Pier Hook _{R:} | Anchors and Column Base Plates** Length | Spread Footing Pier and Pier Reinforcement Anchors and Column Display Braced Footing Footing Footing Footing Pier Braced Footing Footi |
| | Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length 5' W14x22 18' 10' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" | Option 8 14' | Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length 51 W8x21 181 816" 116" #4's @12in O.C. T&B 31 18 #5 8" Option 1 14" |
| | 6' W 10x 26 18' 11' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" 7' W 12x 26 18' 12' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" | Option 3 15' 16 FEET LONG Option 5 16' INSTALLATIONS | 6' W 10x22 18' 9' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 3 15' 7' W 10x22 18' 10' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 3 16' |
| \mathbf{C} | 8' W 12x30 18' 13' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" 10' W 18x35 18' 15' 1'6" #5's @12in O.C. T&B 4' 24 #6 9" | Option 5 17' INSTALLATIONS Option 11 19' | 8' W 10x26 18' 11' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 3 17' 10' W 12x30 18' 13' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 5 19' |
| | | Option 10 21' Option 14 23' | 12' W 14x 34 18' 14' 1'6" #5's @12in O.C. T&B 3' 18 #5 8" Option 8 21' 14' W 18x 35 18' 16' 1'6" #5's @12in O.C. T&B 4' 24 #6 9" Option 11 23' |
| | | Option 11 25' | 16' W 16x 40 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) Spread Footing Pier and Pier Reinforcement | | Column and Foundation Requirements (Based on ASCE 7-10) Spread Footing Pier and Pier Reinforcement Anabam and Column |
| | Display Proved Continu Continu Continu | Anchors and Column Base Plates** Length | Display Braced Footing Footing Footing Pier Hook Anchors and Column Base Plates** Length |
| | 5' W8x 21 14' 10' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" | Option 1 14' 12 FEET LONG | 5' W8x18 14' 8'6" 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 1 14' |
| _ | 10' W 12x30 14' 15' 1'6" #5's @12in O.C. T&B 3' 18 #5 8" | Option 5 19' INSTALLATIONS | 8' W 10x 22 14' 11' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 3 17' 10' W 10x 26 14' 13' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 3 19' |
| + | | Option 8 21' Option 10 24' | 12' W 12x 26 14' 14' 1'6" #5's @12in O.C. T&B 3' 18 #5 8" Option 5 21' 15' W 14x 34 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 Braced Footing Footing Footing Pier Hook Back Bac | Anchors and Column Base Plates** Length | Spread Footing Pier and Pier Reinforcement Anchors and Column Base Plates** |
| | Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length 4' W8x 18 12' 9'6" 1'6" #4's @12in O.C. T&B 3' 18 #5 8" | Option 1 13' | Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length 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" 6' W10x22 12' 11' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" | Option 1 14' Option 3 15' 10 FEET LONG | 5' W 10x 17 12' 8' 6" 1' 6" #4's @12in O.C. T&B 3' 18 #5 8" Option 3 14' 6' W 8x 18 12' 9' 1' 6" #4's @12in O.C. T&B 3' 18 #5 8" Option 1 15' |
| | 8' W 10x26 12' 13' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" 10' W 12x26 12' 15' 1'6" #5's @12in O.C. T&B 3' 18 #5 8" | Option 3 17' INSTALLATIONS Option 5 19' | 8' W8x21 12' 11' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 1 17' 10' W10x22 12' 13' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 3 19' |
| В | 12' W 14x30 12' 17' 1'6" #6's @12in O.C. T&B 3' 18 #5 8" 15' W 16x36 12' 19' 1'6" #6's @12in O.C. T&B 4' 24 #6 9" | Option 8 21' Option 10 24' | 12' W 12x 26 12' 14' 1'6" #5's @12in O.C. T&B 3' 18 #5 8" Option 5 21' 15' W 12x 30 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) |
| | IIDienlay Research Footing Footing Footing | Anchors and Column | Spread Footing Pier and Pier Reinforcement Anchors and Column |
| | Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length | Ontion 1 13' 9 FEET LONG | Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length Base Plates** 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) | INSTALLATIONS | Column and Foundation Requirements (Based on ASCE 7-10) |
| | II Dienlaw Research Footing Footing Footing | Anchors and Column | Spread Footing Pier and Pier Reinforcement Anchors and Column |
| | Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length 3' W8x 15 10' 8'6" 1'6" #4's @12in O.C. T&B 3' 18 #5 8" | | Height Column Length Width Depth Steel Reinforcement Diameter Quantity Size Length Base Plates Length |
| | 6' W8x 21 10' 11' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" | Option 1 15' 8 FEET LONG Option 3 17' INCOMAL LATITIONS | 3' W8x13 10' 7' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 1 12' 6' W10x17 10' 9' 1'6" #4's @12in O.C. T&B 3' 18 #5 8" Option 3 15' |
| | 10' W 10x 26 10' 15' 1'6" #5's @12in O.C. T&B 3' 18 #5 8" | Option 3 19' INSTALLATIONS | 8' W8x18 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' W 12x 30 10' 17' 1'6" #6's @12in O.C. T&B 3' 18 #5 8" Chart Notes: | Option 5 21' | 12' W 10x 26 10' 14' 1'6" #5's @12in O.C. T&B 3' 18 #5 8" Option 3 21' |
| | 1. If the display height is between chart values shown above, use the next h | | |
| | 2. All installations will be braced with laterals placed at 10' increments on f above grade. See 241-0413 for lateral sizes. | front and back of the column starting | Outdoor Scoreboard |
| A | $\stackrel{A}{}$ 3. Wind loading figured at Exposure " C " - $Open$ terrain with scattered obst | | s than 2 Column |
| | 30 feet. This category includes flat open country, grasslands, and all water 4. Wind loading figured at Exposure "B" - Urban and suburban areas , woo | | Nevco, inc. |
| | closely spaced obstructions having the size of single-family dwellings or larg | rger. These areas prevail in the upwin | |
| | direction for a distance of 2600 feet or 20 times the structure height, which 5. **Please see DWG-0818 to determine base plate and anchor sizes from the | | Drown Date Chast of |
| | 6. Quantity of Pier reinforcements listed is PER PIER . | - <u>-</u> | CJS Date 12/14/2018 Sheet 7 7 |
| | 4 1 3 | 一 | 2 1 |