



DUAL ARM SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM
Shall be used. See Note #5.

Upper Case to Lower Case
Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2-3 DENOTES 3/8"

| FIRST LETTER | SECOND LETTER | | | | | | | | | | | | | | | |
|--------------|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | a | | c | | d | | e | | g | | o | | q | | | |
| | C | D | C | D | C | D | C | D | C | D | C | D | C | D | | |
| A | 12 | 14 | 14 | 15 | 12 | 14 | 06 | 10 | 11 | 14 | 06 | 10 | 11 | 12 | 12 | 14 |
| B | 14 | 15 | 20 | 21 | 14 | 15 | 11 | 12 | 14 | 15 | 12 | 14 | 12 | 14 | 16 | 17 |
| C | 14 | 15 | 20 | 21 | 12 | 14 | 06 | 10 | 12 | 14 | 12 | 14 | 14 | 15 | 14 | 15 |
| D | 14 | 15 | 20 | 21 | 14 | 15 | 06 | 10 | 12 | 14 | 12 | 14 | 14 | 15 | 14 | 15 |
| E | 05 | 06 | 14 | 15 | 06 | 10 | 05 | 06 | 10 | 06 | 10 | 06 | 10 | 11 | 12 | |
| F | 20 | 21 | 22 | 24 | 20 | 21 | 14 | 15 | 16 | 17 | 16 | 17 | 20 | 21 | 20 | 21 |
| G | 20 | 21 | 20 | 21 | 16 | 17 | 14 | 15 | 16 | 17 | 16 | 17 | 16 | 17 | 20 | 21 |
| H | 11 | 12 | 16 | 17 | 11 | 12 | 05 | 06 | 11 | 12 | 11 | 12 | 11 | 12 | 12 | 14 |
| I | 12 | 14 | 14 | 15 | 12 | 14 | 05 | 06 | 11 | 12 | 11 | 12 | 12 | 14 | 12 | 14 |
| J | 12 | 14 | 16 | 17 | 12 | 14 | 06 | 10 | 12 | 14 | 12 | 14 | 12 | 14 | 12 | 14 |
| K | 12 | 14 | 16 | 17 | 12 | 14 | 06 | 10 | 12 | 14 | 12 | 14 | 12 | 14 | 12 | 14 |
| L | 12 | 14 | 16 | 17 | 12 | 14 | 06 | 10 | 12 | 14 | 12 | 14 | 12 | 14 | 12 | 14 |
| M | 12 | 14 | 16 | 17 | 12 | 14 | 06 | 10 | 12 | 14 | 12 | 14 | 12 | 14 | 12 | 14 |
| N | 05 | 06 | 14 | 15 | 06 | 10 | 05 | 06 | 10 | 05 | 06 | 10 | 11 | 12 | | |
| O | 16 | 17 | 22 | 24 | 16 | 17 | 12 | 14 | 16 | 17 | 16 | 17 | 16 | 17 | 20 | 21 |

Lower Case to Lower Case
Spacing Chart 6 Inch Series "C & D"

| FIRST LETTER | SECOND LETTER | | | | | | | | | | | | | | | |
|--------------|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | a | | c | | d | | e | | g | | o | | q | | | |
| | C | D | C | D | C | D | C | D | C | D | C | D | C | D | | |
| ad | 16 | 17 | 22 | 24 | 16 | 17 | 12 | 14 | 14 | 15 | 14 | 15 | 16 | 17 | 16 | 17 |
| ch | 12 | 14 | 16 | 17 | 11 | 12 | 05 | 06 | 11 | 12 | 11 | 12 | 12 | 14 | 12 | 14 |
| dk | 12 | 14 | 16 | 17 | 12 | 14 | 06 | 10 | 12 | 14 | 12 | 14 | 12 | 14 | 12 | 14 |
| el | 06 | 10 | 12 | 14 | 06 | 10 | 03 | 03 | 05 | 06 | 05 | 06 | 06 | 10 | 06 | 10 |
| fr | 12 | 14 | 16 | 17 | 12 | 14 | 06 | 10 | 11 | 12 | 11 | 12 | 12 | 14 | 12 | 14 |
| gv | 11 | 12 | 14 | 15 | 11 | 12 | 05 | 06 | 10 | 06 | 10 | 11 | 12 | 11 | 12 | |
| hw | 11 | 12 | 14 | 15 | 11 | 12 | 05 | 06 | 11 | 12 | 11 | 12 | 11 | 12 | 12 | 14 |
| ix | 12 | 14 | 16 | 17 | 11 | 12 | 05 | 06 | 11 | 12 | 11 | 12 | 11 | 12 | 12 | 14 |

Number to Number
Spacing Chart 8 Inch Series "C & D"

| FIRST NUMBER | SECOND NUMBER | | | | | | | | | | | | | | | | | | | | | |
|--------------|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | | |
| | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | | |
| 0 | 9 | 16 | 17 | 16 | 17 | 14 | 15 | 12 | 14 | 14 | 15 | 14 | 15 | 16 | 17 | 12 | 14 | 16 | 17 | 16 | 17 | |
| 1 | 2 | 20 | 21 | 20 | 21 | 20 | 21 | 16 | 17 | 14 | 15 | 14 | 15 | 20 | 21 | 20 | 21 | 14 | 15 | 20 | 21 | |
| 2 | 3 | 14 | 15 | 14 | 15 | 14 | 15 | 12 | 14 | 14 | 15 | 14 | 15 | 11 | 12 | 16 | 17 | 14 | 15 | | | |
| 3 | 4 | 14 | 15 | 14 | 15 | 11 | 12 | 11 | 12 | 14 | 15 | 14 | 15 | 11 | 12 | 14 | 15 | 14 | 15 | | | |
| 4 | 5 | 16 | 17 | 14 | 15 | 14 | 15 | 12 | 14 | 14 | 15 | 14 | 15 | 11 | 12 | 14 | 15 | 14 | 15 | | | |
| 5 | 6 | 12 | 14 | 14 | 15 | 12 | 14 | 15 | 05 | 06 | 12 | 14 | 14 | 15 | 11 | 12 | 14 | 15 | 12 | 14 | | |
| 6 | 7 | 16 | 17 | 16 | 17 | 14 | 15 | 12 | 14 | 14 | 15 | 14 | 15 | 16 | 17 | 12 | 14 | 16 | 17 | 14 | 15 | |

UPPER AND LOWER CASE LETTER WIDTHS

| LETTERS | 6 INCH UPPER CASE LETTERS | | | | 8 INCH UPPER CASE LETTERS | | | | 6 INCH LOWER CASE LETTERS | | | | |
|---------|---------------------------|-----|--------|-----|---------------------------|-----|--------|---|---------------------------|---|--------|---|--|
| | SERIES | | SERIES | | SERIES | | SERIES | | SERIES | | SERIES | | |
| | C | D | C | D | C | D | C | D | C | D | C | D | |
| A | 3.6 | 5.0 | 5.0 | 6.5 | a | 3.5 | 4.2 | | | | | | |
| B | 3.2 | 4.0 | 4.3 | 5.3 | b | 3.5 | 4.2 | | | | | | |
| C | 3.2 | 4.0 | 4.3 | 5.3 | c | 3.5 | 4.1 | | | | | | |
| D | 3.2 | 4.0 | 4.3 | 5.3 | d | 3.5 | 4.2 | | | | | | |
| E | 3.0 | 3.5 | 4.0 | 4.7 | e | 3.5 | 4.2 | | | | | | |
| F | 3.0 | 3.5 | 4.0 | 4.7 | f | 2.3 | 2.6 | | | | | | |
| G | 3.2 | 4.0 | 4.3 | 5.3 | g | 3.5 | 4.2 | | | | | | |
| H | 3.2 | 4.0 | 4.3 | 5.3 | h | 3.5 | 4.2 | | | | | | |
| I | 0.7 | 0.7 | 1.1 | 1.2 | i | 1.1 | 1.1 | | | | | | |
| J | 3.0 | 3.6 | 4.0 | 5.0 | j | 2.0 | 2.2 | | | | | | |
| K | 3.2 | 4.1 | 4.3 | 5.4 | k | 3.5 | 4.2 | | | | | | |
| L | 3.0 | 3.5 | 4.0 | 4.7 | l | 1.1 | 1.1 | | | | | | |
| M | 3.7 | 4.5 | 5.1 | 6.1 | m | 6.0 | 7.0 | | | | | | |
| N | 3.2 | 4.0 | 4.3 | 5.3 | n | 3.5 | 4.2 | | | | | | |
| O | 3.4 | 4.2 | 4.5 | 5.5 | o | 3.6 | 4.3 | | | | | | |
| P | 3.2 | 4.0 | 4.3 | 5.3 | p | 3.5 | 4.2 | | | | | | |
| Q | 3.4 | 4.2 | 4.5 | 5.5 | q | 3.5 | 4.2 | | | | | | |
| R | 3.2 | 4.0 | 4.3 | 5.3 | r | 2.6 | 3.2 | | | | | | |
| S | 3.2 | 4.0 | 4.3 | 5.3 | s | 3.6 | 4.2 | | | | | | |
| T | 3.0 | 3.5 | 4.0 | 4.7 | t | 2.7 | 3.2 | | | | | | |
| U | 3.2 | 4.0 | 4.3 | 5.3 | u | 3.5 | 4.2 | | | | | | |
| V | 3.5 | 4.4 | 4.7 | 6.0 | v | 4.2 | 4.7 | | | | | | |
| W | 4.4 | 5.2 | 6.0 | 7.0 | w | 5.5 | 6.4 | | | | | | |
| X | 3.4 | 4.0 | 4.5 | 5.3 | x | 4.4 | 5.1 | | | | | | |
| Y | 3.6 | 5.0 | 5.0 | 6.6 | y | 4.6 | 5.3 | | | | | | |
| Z | 3.2 | 4.0 | 4.3 | 5.3 | z | 3.6 | 4.3 | | | | | | |

NUMBER TO NUMBER

| NUMBER | 6 INCH SERIES | | | | 8 INCH SERIES | | | |
|--------|---------------|-----|-----|-----|---------------|--|---|--|
| | C | | D | | C | | D | |
| | 1 | 1.2 | 1.4 | 1.5 | 2.0 | | | |
| 2 | 3.2 | 4.0 | 4.3 | 5.3 | | | | |
| 3 | 3.2 | 4.0 | 4.3 | 5.3 | | | | |
| 4 | 3.5 | 4.3 | 4.7 | 5.7 | | | | |
| 5 | 3.2 | 4.0 | 4.3 | 5.3 | | | | |
| 6 | 3.2 | 4.0 | 4.3 | 5.3 | | | | |
| 7 | 3.2 | 4.0 | 4.3 | 5.3 | | | | |
| 8 | 3.2 | 4.0 | 4.3 | 5.3 | | | | |
| 9 | 3.2 | 4.0 | 4.3 | 5.3 | | | | |
| 0 | 3.4 | 4.2 | 4.5 | 5.5 | | | | |

- GENERAL NOTES**
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
 - ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
 - THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
 - ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
 - SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
 - * A.J.T. CORPORATION - CHICAGO HEIGHTS, IL
 - * AMERICAN FABRICATION CO. - CHICAGO HEIGHTS, IL
 - * TUCKER COMPANY, INC. - WAUWATOSA, WI
 - * WESTERN TRAFFIC CONTROL INC. - CICERO, IL
- PARTS LISTING**
- | | |
|--------------|---|
| SIGN CHANNEL | PART #HPN053 (MED. CHANNEL) |
| SIGN SCREWS | 1/4" x 14 x 1" H.W.H. #3 |
| BRACKETS | SELF TAPPING WITH NEOPRENE WASHER |
| | PART #HPN034 (UNIVERSAL) |
| | CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING |
- OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.



| | | |
|-----------------------|----------------|-------------|
| USER NAME = charlke | DESIGNED - JJS | REVISIONS - |
| PLOT SCALE = N.T.S. | DRAWN - JJS | REVISIONS - |
| PLOT DATE = 2/13/2009 | CHECKED - CP | REVISIONS - |
| | DATE = 2/13/09 | REVISIONS - |

MCHENRY COUNTY DIVISION OF TRANSPORTATION

DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS

| | | | | |
|---------------------|----------------|---------|---------------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 0116 | 08-00327-01-CH | MCHENRY | 56 | 34 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| | | | CONTRACT NO. 63144 | |

SCALE: N.T.S. SHEET NO. 7 OF 7 SHEETS STA. TO STA.