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<th>SQ. FT.</th>
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**NOTE:**

The Core Exit Panel (ESP) detailed in the Standard Highway Signs Manual 2002 edition, Sign Identification Number 88, can be installed on a single column with the following stipulations:

1. Maximum height to bottom of sign is 14'.
2. Column size is 6" aluminum round tube with 1" wall.
3. Type II Brackets required for attachment.
4. For Type II Bracket detail, Attachment and General Notes see sheet 3 of 4.
5. Footing shall be 2' - 0" x 2' - 0" x 5'-0" deep.
6. For Slip Base Details see sheet 4 of 4.

Sign sizes is in inches unless other wise specified.
GENERAL NOTES

GENERAL SPECIFICATIONS: Florida Department of Transportation Standard Specifications for Road and Bridge Construction and Supplement thereto.


ALUMNUM: Except as noted below, Alumnum Material shall meet the requirements of Aluminum Association Alloy 6061-T6 (ASTM B209, B209, B508). (Aluminum plate.)

CONCRETE: All concrete shall be Class I (Special), the specified compressive strength of 28 days (F'c) shall be 3,000 psi.

SIGN PANELS: Sign panels shall be 3/8 inch thick, thick Alumnum Plating with all corners rounded. See align viewpoint. Panels are to be degreased, etched, neutralized and treated with Aluminized Oxide, Inhibitive 4-2, Bondsetter 720 or equal. No etching permitted on panels.

ALUMNUM BOLTS, NUTS & LOCKNUTS: Alumnum bolts and nuts shall meet the requirements of ASTM F469, Alloy 6061-T6.

The bolts shall be an Aerospace Coating of at least 0.0002 inch thick and be corrosion resistant. Locknuts shall meet the requirements of Aerospace Association Alloy TPS-11 (ASTM B970). Nuts shall meet the requirements of ASTM F-469, Alloy A-5056, 6060-76 or 6060-T6. STAINLESS STEEL BOLTS, NUTS AND LOCKNUTS: Stainless Steel Bolts, Nuts and Lockwashers conforming to ASTM F-563 Alloy Group A, Condition A, NO. or SHA may be provided in lieu of Alumnum Bolts, Nuts and Lock Washers.

U-BOLTS, NUTS & LOCKNUTS: U-Bolts, Nuts and Lockwashers shall meet the requirements of ASTM A307, Grade A not shall be galvanized in accordance with ASTM A53.

INSTALLING FRAMABLE COLUMN SUPPORTS: Columns F Posts may be installed by driving the column in accordance with Index Nos. 1880 thru 1885, or by other methods the contractor may use. The column (F Post) to the depth indicated in the prefabricated base is filled with vitrified material having a density not thicker than 6" to provide adequate support.

SHOP DRAWINGS: When Type C ground support are furnished and fabricated in accordance with these plans, shop drawings will be required for approval by the Engineer.

HOW TO USE THIS TABLE: Select the appropriate Sign Profile and Size to determine the Sign Identification Number. If the listed Sign Size of all Components are not listed, select the appropriate profile and larger component sizes. The table also gives the Quantity and Type of Sign Brackets required for each Sign for each Wind Zone. Where the Sign Size is given as a Vertical and Horizontal Dimension, the Vertical Dimension [Depth] is given first and the Horizontal Dimension [Length] is given last. For Column Signs Base Height is given. Table shows CANTILEVER SIGN. The column shall be installed in the Standard except that the size shall not be smaller than 3" x 3".

CANTILEVER SIGN

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

SINGLE COLUMN GROUND SIGNS

NOTE: For Dimension A & B
See Traffic Signs Standard Index 7302.

TYPICAL SECTION

WIND SPEEDS BY COUNTY

ZONE NO. (60 M.P.H.)


ZONE NO. 2 (70 M.P.H.)


ZONE NO. 3 (80 M.P.H.)


ZONE NO. 4 (90 M.P.H.)

Bradford, Clay, Escambia, Franklin, Gadsden, Holmes, Jackson, Jefferson, Madison, Marion, Okeechobee, Suwannee, Taylor, and Washington Counties.

State of Oregon Department of Transportation

SINGLE COLUMN GROUND SIGNS

NOTE: For Dimension A & B
See Traffic Signs Standard Index 7302.

TYPICAL SECTION

WIND SPEEDS BY COUNTY

ZONE NO. (60 M.P.H.)


ZONE NO. 2 (70 M.P.H.)


ZONE NO. 3 (80 M.P.H.)


ZONE NO. 4 (90 M.P.H.)

Bradford, Clay, Escambia, Franklin, Gadsden, Holmes, Jackson, Jefferson, Madison, Marion, Okeechobee, Suwannee, Taylor, and Washington Counties.
SLIP BASE NOTES

1. The inside Diameter (I.D.) of the sleeve shall be no more than \( \frac{3}{4} \)" larger than the Outside Diameter (O.D.) of the Column.
2. The sleeve base-plate is \( \frac{3}{4} \)" with biaxial. The base shall be galvanized steel (ASTM A-307) or Aluminum Association Alloy DD44-TQ or 6061-T6 (ASTM 6061-T6).
3. The base bolts, nuts and washers shall be of high strength ASTM A-325 and shall have an extruded and staked CS3. Type 3A washer in accordance with ASTM B653.
4. An alternate optional base of aluminum alloy 2024 and T6 keper in lieu of the fabricated base may be substituted for approval by the Engineer, if a cast base is used the slab will be the same as the column and will be treated as the column.
5. Assemble the slip base connection in the following manner:
   - Connect column to sleeve using two (2) \( \frac{3}{4} \)" base bolts
   - Attach base plate to base bolt using high strength bolts with nuts (3) hard-faced washers per bolt. One (1) washer per bolt and two (2) bolt keeper pin through base plate.
   - Use a 12" to 15" wrench to turn the washers and nuts to tighten the connection.

SLEEVE & BASE PLATE DETAILS (SINGLE BEVELED SLOT)

For Left Shoulder. Plate Slot Bevels are opposite hand from that shown.

SLEEVE & BASE PLATE DETAILS (DOUBLE BEVELED SLOTS)

For Left Shoulder. Plate Slot Bevels are opposite hand from that shown.

SLIP BASE DETAILS

Notes: Unless noted otherwise, all dimensions are in inches

<table>
<thead>
<tr>
<th>Column Size</th>
<th>Sleeve Base Plate</th>
<th>Sleeve Height</th>
<th>Weld</th>
<th>Base Plate</th>
<th>Plate Weld</th>
<th>Strike</th>
<th>Base Bolt</th>
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<td>5/8</td>
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</tbody>
</table>

COLUMNS SIZE, COLUMN HEIGHT & COLUMN FOOTINGS
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
SINGLE COLUMN GROUND SIGNS

BOLT KEEPER DETAIL

COLUMN: 4x4

1.00' Thick Steel. Strip 2 Req'd Per Beam.