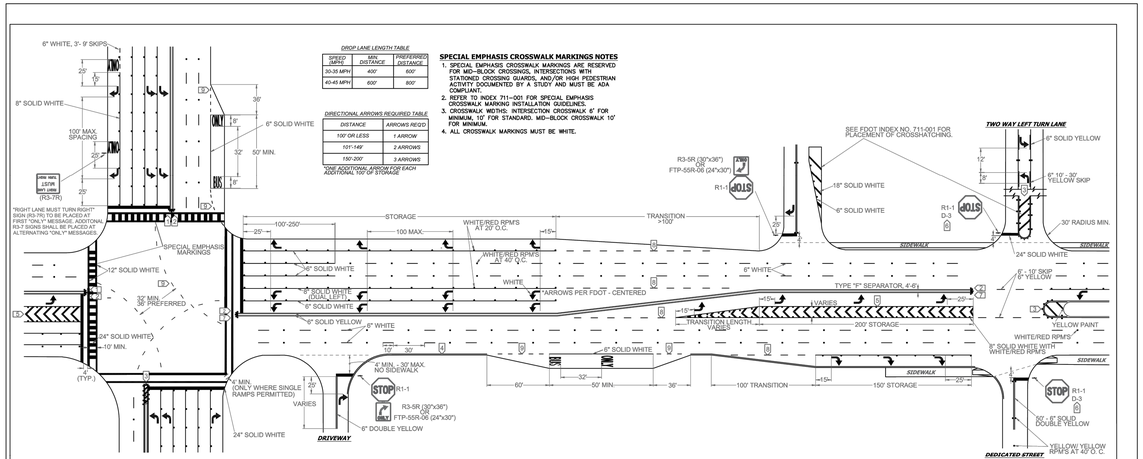


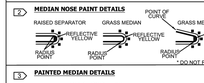

## NOTES

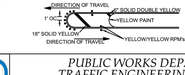
1. ALL PAVEMENT MARKINGS SHALL BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
2. ALL PAVEMENT MARKINGS ON PAVER SYSTEMS SHALL BE 3M 380/381 SERIES TAPE OR EQUIVALENT AND APPLIED WITH P60 ADHESIVE AS PER MANUFACTURER'S SPECIFICATIONS.
3. ALL PAVEMENT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", BCTED STANDARDS, AND FDOT DESIGN STANDARDS.
4. SEE FDOT INDEX NO 706–001 FOR PLACEMENT OF RPM's (FOR BULLNOSE RPM TREATMENT, SEE LEGEND NO. 1)
5. RPM's SHALL BE CLASS "B" OR EQUIVALENT, APPLIED WITH EPOXY OR BITUMINOUS ADHESIVE.
6. FDOT APPROVED SEALER SHALL BE USED WHEN APPLYING MARKINGS ON CONCRETE.
7. FOR BIKE LANE DETAILS SEE FDOT INDEX NO. 711–002.
8. EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING OR SAND BLASTING.
9. STOP LINES TO BE 4' BEHIND CROSSWALK OR SIDEWALK.
10. PAVEMENT MARKING REFLECTIVITY SHALL BE UNIFORM ACROSS THE ENTIRE STRIPE AND SHALL HAVE A MINIMUM REFLECTIVITY READING OF 250 MILLICANDELAS FOR WHITE AND 175 MILLICANDELAS FOR YELLOW.
11. ALL PRODUCTS MUST BE ON FDOT'S APPROVED PRODUCTS LIST (APL).
12. RPMS SHALL NOT BE INSTALLED ADJACENT TO BIKE LANES.
13. LONGITUDINAL CROSSWALK MARKINGS SHALL BE INSTALLED AT ALL CROSS STREETS ON COUNTY ROADS THAT ARE FOUR LANES OR GREATER.

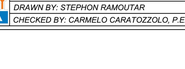
## SPECIAL EMPHASIS CROSSWALK MARKINGS NOTES

1. SPECIAL EMPHASIS CROSSWALK MARKINGS ARE RESERVED FOR MID–BLOCK CROSSINGS, INTERSECTIONS WITH STATIONED CROSSING GUARDS, AND/OR HIGH PEDESTRIAN ACTIVITY DOCUMENTED BY A STUDY AND MUST BE ADA COMPLIANT.
2. REFER TO INDEX 711–001 FOR SPECIAL EMPHASIS CROSSWALK MARKING INSTALLATION GUIDELINES.
3. CROSSWALK WIDTHS: INTERSECTION CROSSWALK 6' FOR MINIMUM, 10' FOR STANDARD. MID–BLOCK CROSSWALK 10' FOR MINIMUM.
4. ALL CROSSWALK MARKINGS MUST BE WHITE.

## LEGEND

1. **YELLOW/YELLOW RPM DETAILS**



2. **MEDIAN NOSE PAINT DETAILS**


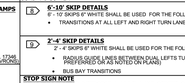

3. **PAINTED MEDIAN DETAILS**



4. **EDGE LINE DETAILS**

5. **CHEVRON DETAILS - CROSSWALK AREAS AND IN FRONT OF CURB RAMPS**

(SEE FDOT INDEX NO. 17346 FOR SPACING OF CHEVRONS)

6. **STREET NAME BLADE DETAILS**
SEE BCTED STOP SIGN AND STREET IDENTIFICATION ASSEMBLY TYPICAL DETAILS.

7. **TYPE IV SEPARATOR DETAILS**



8. **6'-10' SKIP DETAILS**
6' - 10' SKIPS 6" WHITE SHALL BE USED FOR THE FOLLOWING CONDITIONS:
- TRANSITIONS AT ALL LEFT AND RIGHT TURN LANES

9. **3'-4' SKIP DETAILS**
3' - 4' SKIPS 6" WHITE SHALL BE USED FOR THE FOLLOWING CONDITIONS:
- RADIUS GUIDE LINES BETWEEN DUAL LEFTS TURN MOVEMENT (90° RADIUS PREFERRED SAS NOTED ON PLANS)
- BUS BAY TRANSITIONS

**STOP SIGN NOTE**
WHERE SIDE ROADS INTERSECT A MULTI–LANE STREET OR HIGHWAY THAT HAS A SPEED LIMIT OF 45 MPH OR HIGHER, THE MINIMUM SIZE OF THE STOP SIGNS FACING THE SIDE ROAD APPROACHES, EVEN IF THE SIDE ROAD ONLY HAS ONE APPROACH LANE, SHALL BE 36"x36".
WHERE SIDE ROADS INTERSECT A MULTI–LANE (INCLUDING TURN LANE) STREET OR HIGHWAY THAT HAS A SPEED LIMIT OF 40 MPH OR LOWER, THE MINIMUM SIZE OF THE STOP SIGN FACING THE SIDE ROAD APPROACHES SHALL BE 30"x30".

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |
| 11-24-2020 | UPDATED NOTES |
| 04-14-2021 | UPDATED NOTES |
| 05-06-2022 | UPDATED NOTES |

BROWARD COUNTY FLORIDA

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

| | |
|---|---|
| DESIGN BY: CARMELO CARATOZZOLO, P.E. | SCALE: NTS |
| DRAWN BY: STEPHON RAMOUTAR | |
| CHECKED BY: CARMELO CARATOZZOLO, P.E. | |

# PAVEMENT MARKINGS AND SIGNS DETAILS

SHEET NO. 1 OF 1

FOR SIGN ASSEMBLIES WITH MAXIMUM 8.75 SQUARE FOOT PANEL AREA

Typical Details

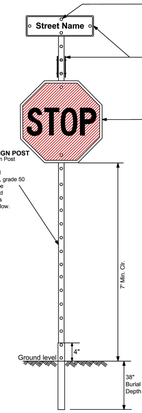
**STREET ID (D3-1)**

2-CROSS STREET BLADES

THE ENDS OF THE STREET ID SIGNS MUST BE BOLTED TOGETHER :

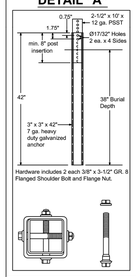
BOLTS - #16 HEX HEAD STAINLESS STEEL 5/16" x 3/4"

NUTS - 5/16" HEX HEAD STAINLESS STEEL W/ 3/8"NYLON WASHERS




**SQUARE TUBE SIGN POST**
The Square Tube Sign Post shall be a 2.5" square, perforated, hot-dipped galvanized, 12-guage, grade 50 steel. The post shall be installed with in-ground fitted sleeve anchor as shown in detail "A" below.

**DETAIL "A"**




**STREET ID (D3-1) MATERIALS:**

LETTERS
WHITE TYPE XI SHEETING
LETTERING OF STREET NAME SIGNS SHALL BE COMPOSED OF A COMBINATION OF LOWERCASE LETTERS WITH INITIAL UPPERCASE LETTERS

BORDER
BORDER WIDTHS WILL VARY BASED ON LETTER HEIGHTS

LETTER HEIGHTS - BORDER WIDTHS
4 INCH LETTER = 0.375 INCH BORDER WIDTH
6 INCH LETTER = 0.500 INCH BORDER WIDTH
8 INCH LETTER = 0.750 INCH BORDER WIDTH

GREEN BACKGROUND
GREEN TRANSLUSCENT INK SILK-SCREENED CLEAR-COATED OR ELECTRO-CUT (EC) FILM OR EQUIVALENT

LETTER SIZES
SEE MUTCD TABLE 2D-2 (PG 163) FOR MINIMUM LETTER HEIGHTS LENGTH VARIES BY STREET NAME

HARDWARE
BOLTS - #16 HEX HEAD STAINLESS STEEL 5/16" x 3" NUTS - 5/16" STAINLESS STEEL W/ NYLON WASHERS.

**REGULATORY SIGN**
WHEN NO STREET ID IS PRESENT THE STOP SIGN SHALL BE MOUNTED FLUSH TO THE TOP OF THE POST WHILE MAINTAINING 7 FEET MIN. CLEARANCE BETWEEN BOTTOM OF SIGN AND GROUND LEVEL. ANY SIGN INSTALLED BACK TO BACK WITH THE STOP SIGN SHALL BE SMALLER THAN THE STOP SIGN.

**STOP_DO NOT ENTER OR YIELD**
WHITE TYPE XI SHEETING
PRESSURE-SENSITIVE RED TRANSLUCENT INK SILK-SCREENED CLEAR-COATED OR ELECTRO-CUT (EC) FILM OR EQUIVALENT.

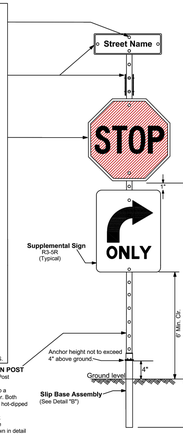
HARDWARE
FRONT: #18 HEX HEAD STAINLESS STEEL 5/16" x 3" BOLT W/ 3/8" NYLON WASHER
BACK: 5/16" HEX HEAD STAINLESS STEEL NUT W/ 3/8" STAINLESS STEEL WASHER

**NOTES:** 1. ALL TYPE XI SHEETING UTILIZED MUST BE ON THE FDOT APL LIST.

2. SEE BCTED TECHNICAL POLICY MEMO #TPM - 18-001 - SPECIFICATIONS FOR RETROFLECTIVE TRAFFIC SIGN MATERIALS.

FOR SIGN ASSEMBLIES WITH GREATER THAN 8.75 SQUARE FOOT PANEL AREA WITH SUPPLEMENTAL SIGN

Typical Details

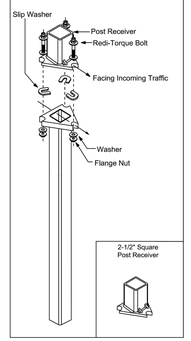



**SQUARE TUBE SIGN POST**
The Square Tube Sign Post shall consist of a 2.5" square tube inserted into a 2.5" square post receiver. Both tubes will be perforated, hot-dipped galvanized, 12-guage, grade 50 steel. The post shall be installed into the slip base assembly shown in detail "B".

**Slip Base Assembly** (See Detail "B")

**DETAIL "B"**

Triangular Slip Base Assembly For 2-1/2" Perforated Square Tube Sign Post




Notes:
1. Dimensions and certain details for the parts used to assemble the slip base connections are intentionally not shown. Slip base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled. The complete assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th edition and interims.

2. For standard ground sign installation, see detail entitled " Ground Sign Assembly Details".

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |
| 04-09-2019 | UPDATED MATERIAL NOTES |
| 02-28-2020 | ADDED ISOMETRIC VIEW |
| 02-05-2021 | UPDATED POST BASE HEIGHT |

BROWARD COUNTY FLORIDA

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

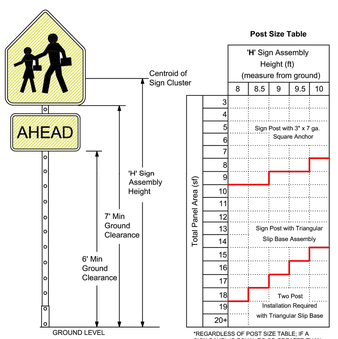
| | |
|---|---|
| DESIGN BY: CARMELO CARATOZZOLO, P.E. | SCALE: NTS |
| DRAWN BY: STEPHON RAMOUTAR | |
| CHECKED BY: ANDREW SEBO, P.E., PTOE | |

# STOP SIGN AND STREET IDENTIFICATION ASSEMBLY TYPICAL DETAILS

SHEET NO. 1 OF 1

**GUIDE TO USE THIS STANDARD:**

1. Calculate the Total Panel Area and the centroid 'C' for an individual sign or a sign cluster.
2. Determine the height 'H' from the groundline for the individual sign or the cluster.
3. Consult the Post Size Table and find the intersection point.
4. Design the post and the foundation according to the required Post Size and Assembly Details.




**Post Size Table**

| Total Panel Area (sf) | 'H' Sign Assembly Height (ft) (measure from ground) 8 | 8.5 | 9 | 9.5 | 10 |
|---|---|---|---|---|---|
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |
| 11 | | | | | |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20+ | | | | | |

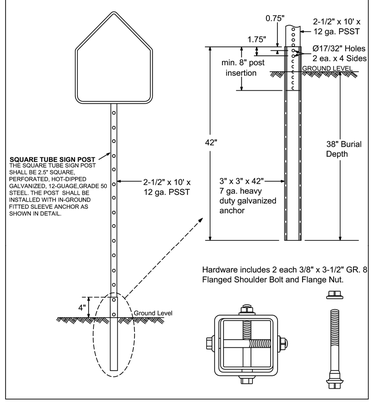
Sign Post with 3" x 7 ga. Square Anchor

Sign Post with Triangular Slip Base Assembly

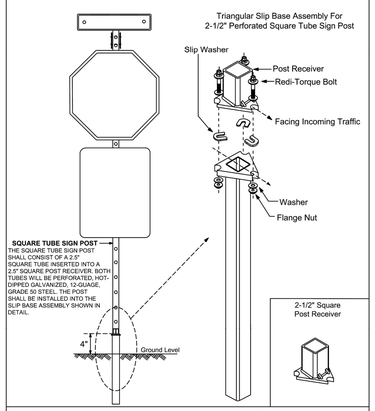
Two Post Installation Required with Triangular Slip Base

*REGARDLESS OF POST SIZE TABLE: IF A SIGN PANEL IS EQUAL TO OR GREATER THAN 4 FEET IN WIDTH, A TWO POST INSTALLATION IS REQUIRED WITH A TRIANGULAR SLIP BASE.

## Sign Post with 3" x 7 ga. Square Anchor




## Sign Post with Triangular Slip Base




Note: Dimensions and certain details for the parts used to assemble the slip base connections are intentionally not shown. Slip base connections are patented manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled. The complete assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th edition and interims.

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |
| 03-21-2017 | UPDATED POST SIZE |
| 11-24-2020 | ADDED POST SIZE NOTE |
| 02-05-2021 | UPDATED POST BASE HEIGHT |

BROWARD COUNTY FLORIDA

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

| | |
|---|---|
| DESIGN BY: YVES DANJOU, P.E. | SCALE: NTS |
| DRAWN BY: STEPHON RAMOUTAR | |
| CHECKED BY: ANDREW SEBO, P.E., PTOE | |

# GROUND SIGN ASSEMBLY DETAILS

SHEET NO. 1 OF 1

| | |
|---|---|
| DATE: | 02/25/25 |
| SCALE: | AS SHOWN |
| DESIGN BY: | CEE |
| DRAWN BY: | TR |
| CHECKED BY: | CEE |
| APPROVED BY: | CEE |

| NO. | DATE: | BY: | DESCRIPTION: |
|---|---|---|---|


CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6400 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000314



MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN, THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION OF CRAVEN•THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2025


1501 WEST ATLANTIC BLVD.
POMPANO BEACH, FLORIDA

PREPARED FOR:
KAJA PROPERTIES INC.

PAVING , GRADING, AND DRAINAGE DETAILS

Chad Everett Edwards
Digitally signed by Chad Everett Edwards
Date: 2025.02.28 15:49:19 -05'00'

CHAD E. EDWARDS, P.E.
FLORIDA LICENSE No. 59306
2025-02-28

PROJECT NO.
24-0055-001-01

C-6

SHEET 6 OF 12

DRC

This document has been digitally signed and sealed by Chad Everett Edwards, P.E. on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

PZ24-12000026

04.02.2025

\\ctofile02\Eng\Projects\2024\24-0055-001-01 1501 West Atlantic - Truck Wash\24-0055 PGD0.dwg [C-6] Feb 28, 2025 3:45pm CEDWARDS