

---

CENTRAL  
FLORIDA  
EXPRESSWAY  
AUTHORITY

---

*SIGNING AND PAVEMENT  
MARKING DETAILS*

*FOR DESIGN AND CONSTRUCTION ON THE CFX SYSTEM*

*MARCH 2023*

CENTRAL FLORIDA EXPRESSWAY AUTHORITY  
4974 ORL TOWER RD.  
ORLANDO, FL 32807  
PHONE NUMBER: (407) 690-5000  
FAX NUMBER: (407) 690-5011

W:\50088189\CFX Design Guidelines\CADD and Details\SPM-A1-00.dgn 1:50:03 PM 2/24/2023 zfincher

SHEET NO.	DESCRIPTION	DGN Name	Date	Revision	SHEET NO.	DESCRIPTION	DGN Name	Date	Revision
<div>GENERAL2023</div> <div>1INDEX OF SHEETS 2GENERAL NOTES - SIGNING (SHEET 1 OF 2) 3GENERAL NOTES - SIGNING (SHEET 2 OF 2) 4GENERAL NOTES - MARKINGS / PAY ITEM NOTES</div> <div>5TOLL ROUTE SHIELD DIMENSIONS 6TOLL ROUTE SHIELD (TM1, TM2, TM3) 7CFX LOGOS L-1 THRU L-5 8EPASS LOGOS 9EPASS LOGOS 10EPASS LOGOS 11EPASS LOGOS 12RELOAD LOGOS 13SUNPASS LOGOS SP-1 THRU SP-4</div> <div>14GUIDE SIGN WORKSHEET SIGNS 101 - 103 15GUIDE SIGN WORKSHEET SIGNS 104 - 106 16GUIDE SIGN WORKSHEET SIGN 107 17GUIDE SIGN WORKSHEET SIGNS 108, 109 18GUIDE SIGN WORKSHEET SIGNS 110 - 112 19GUIDE SIGN WORKSHEET SIGNS 113, 114 20GUIDE SIGN WORKSHEET SIGNS 115 - 117 21GUIDE SIGN WORKSHEET SIGNS 118 - 120</div> <div>22GUIDE SIGN WORKSHEET EXIT GORE SIGNS 23SPECIAL DESIGN ROUTE CONFIRMATION MARKERS 24SPECIAL DESIGN MILEPOST SIGN DETAILS 25SPECIAL DESIGN MILEPOST LOCATION AND MOUNTING 26SPECIAL DESIGN MILEPOST LOCATION AND MOUNTING 27TRAILBLAZER MOUNTING DETAILS 28SPECIAL DESIGN AUXILIARY PANELS FOR ROUTE MARKERS 29SPECIAL DESIGN AUXILIARY PANELS FOR ROUTE MARKERS 30CURVE WARNING SIGNS W1-11A, W1-15A 31LOOP RAMP SIGNING SPECIAL DETAIL 32LOOP EXIT RAMP TYPICAL SIGNING 33PARTIAL CLOVERLEAF RAMP TYPICAL SIGNING</div> <div>34TYPICAL MAINLINE PLAZA SIGNING 35TYPICAL TWO-LANE RAMP ADVANCE SIGNING 36GUIDE SIGN WORKSHEET MAINLINE PLAZA (1) 37GUIDE SIGN WORKSHEET MAINLINE PLAZA (2) 38GUIDE SIGN WORKSHEET MAINLINE PLAZA (3) 39GUIDE SIGN WORKSHEET SIGNS 201 - 203 40GUIDE SIGN WORKSHEET SIGNS 204, 205 41GUIDE SIGN WORKSHEET SIGNS 206 - 208 42GUIDE SIGN WORKSHEET SIGNS 209 - 211 43GUIDE SIGN WORKSHEET SIGNS 212 - 214 44TOLL PLAZA CANOPY SIGNS 45TOLL PLAZA CANOPY SIGNS 46TOLL PLAZA CANOPY SIGNS 47GUIDE SIGN WORKSHEET SIGNS RELOAD-1, RELOAD-2</div>					<div>INTERIOR TOLL PLAZA SIGNING DETAILS - CONVENTIONAL2023</div> <div>48INTERIOR PLAZA SIGNING MAINLINE AND RAMP 49INTERIOR PLAZA SIGNING MAINLINE AND RAMP 50INTERIOR PLAZA SIGNING MAINLINE AND RAMP 51TOLL ATTENDANT SIGNING 52GUIDE SIGN WORKSHEET SIGNS 401 - 403 53GUIDE SIGN WORKSHEET SIGNS 404, 405</div> <div>54MAINLINE PLAZA PARKING LOT SIGNING AND MARKING 55GUIDE SIGN WORKSHEET SIGNS 501 - 503 56GUIDE SIGN WORKSHEET SIGNS 504, 505</div> <div>57TYPICAL PAVEMENT MARKING MAINLINE PLAZAS 58TOLL PLAZA PAVEMENT MARKING DETAILS</div> <div>59TYPICAL MAINLINE AET GANTRY APPROACH SIGNING 60TYPICAL RAMP AET GANTRY APPROACH SIGNING 61GUIDE SIGN WORKSHEET SIGNS 601 - 603 62GUIDE SIGN WORKSHEET SIGNS 604 - 606</div> <div>63GUIDE SIGN WORKSHEET SIGNS TS-1, TS-2 64GUIDE SIGN WORKSHEET SIGNS PA-1, 607, 608</div> <div>65GUIDE SIGN WORKSHEET PTSU SIGNS</div> <div>66DUAL LANE ENTRANCE RAMP DETAILS 67GUIDE SIGN WORKSHEET SIGNS 701 - 703 68TYPICAL PAVEMENT MARKING PARALLEL RAMPS 69TYPICAL PAVEMENT MARKING PARALLEL EXIT RAMPS 70TYPICAL PAVEMENT MARKING PARALLEL EXIT RAMPS 71OPTIONAL LANE ARROW DETAILS 72PERFORMED HORIZONTAL SIGNING DETAILS (1) 73PERFORMED HORIZONTAL SIGNING DETAILS (2)</div> <div>74SIGN CROSS SECTIONS OT-1 75SIGN CROSS SECTIONS OC-1, OC-2 76PANEL LOCATIONS ON EXISTING STRUCTURES 77BASE PLATE GROUTING DETAILS 78SIGN UPRIGHT PAINTING 79ROUTE MARKER AND EXIT ASSEMBLY DETAILS 80CROSSROAD JUNCTION ASSEMBLY-ALUMINUM 81BARRIER MOUNTED SIGN DETAILS (1 OF 2) 82BARRIER MOUNTED SIGN DETAILS (2 OF 2) 83BRIDGE AND WALL MOUNT MILE POST DETAILS 84BRIDGE AND WALL MOUNT EXIT GORE SIGN 85BRIDGE MOUNTED LOGO INSTALLATION 86BRIDGE MOUNTED SIGN FRAME DETAIL 87MULTI-POST SIGN TABLE OF VARIABLES 88METHOD FOR DETERMINING SIGN HEIGHT BEHIND WALLS</div>				

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	INDEX OF SHEETS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				1

zfincer 2/23/2023 5:56:10 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A1-01.dgn

- zfincher

zfincher

zfincer 2/24/2023 11:51:08 AM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A1-02.dgn

39. STRUCTURE NUMBERS XX, XX, AND XX ARE WITHIN THE LIMITS OF A CFX LANDSCAPING PROJECT OR AN EXISTING CFX SPECIAL LANDSCAPED AREA. STRUCTURES MAY BE RELOCATED SLIGHTLY AS DIRECTED BY THE CEI IN ORDER TO MINIMIZE IMPACT TO LANDSCAPING MATERIAL. THE CONTRACTOR SHALL EXERCISE CAUTION THROUGH LANDSCAPING LIMITS DURING ALL PHASES OF CONSTRUCTION ACTIVITY. ANY EXISTING LANDSCAPE MATERIAL DAMAGED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
40. IN ORDER TO ACCOMMODATE THE SIGN ASSEMBLY, SOME LANDSCAPE MATERIAL MAY REQUIRE PERMANENT RELOCATION OR REMOVAL AND REPLACEMENT WITH ANOTHER VARIETY OF MATERIAL. THE CONTRACTOR SHALL PROVIDE THE CEI WITH A PRELIMINARY LANDSCAPE ADJUSTMENT PLAN INCLUDING PROPOSED PLANT MATERIAL(S). CFX SHALL APPROVE ALL PROPOSED OR RELOCATED PLANT MATERIAL PRIOR TO INSTALLATION. COST OF LANDSCAPE MATERIAL ADJUSTMENT SHALL BE CONSIDERED INCIDENTAL TO THE UNIT COST OF THE SIGN ASSEMBLY.
41. AT LOCATIONS WITHIN PLANNED LANDSCAPING AREAS (BY OTHERS), THE CONTRACTOR SHALL COMPLETE ALL WORK (I.E. GRADING, CLEAN-UP, ETC.) IMMEDIATELY UPON INSTALLATION OF SIGN ASSEMBLY SUCH THAT LANDSCAPING FEATURES MAY BE INSTALLED. FINAL WORK ITEMS MAY ONLY BE DEFERRED AT THE DIRECTION OF THE CEI.
42. ALL NEW SIGN PANELS REGARDLESS OF MOUNTING (OVERHEAD, SINGLE POST OR MULTI-POST) SHALL BE A MINIMUM OF 0.125 INCHES THICK. ALL SIGN OVERLAYS SHALL BE A MINIMUM OF 0.08 INCHES THICK. EXTRUDED PANELS SHALL NOT BE ALLOWED.
43. ALL ROADWAY AND TOLL PLAZA SIGN PANELS REGARDLESS OF LOCATION, MOUNTING TYPE (OVERHEAD, SINGLE OR MULTI-POST) OR LIGHTING SHALL BE FABRICATED USING 3M DIAMOND GRADE CUBED (DG3) SHEETING OR CFX'S APPROVED EQUAL. WARNING SIGNS FOR LANE DROP (W4-2), LANE ENDS (W9-1, W9-2), REDUCE SPEED AHEAD (W3-5), CURVES AND PEDESTRIAN CROSSINGS SHALL BE 3M FLUORESCENT DG3 SHEETING OR CFX'S APPROVED EQUAL. SCHOOL CROSSING SIGNS (S1-1) AND SUPPLEMENTAL PLAQUES SHALL BE FABRICATED USING 3M DG3 FLUORESCENT YELLOW-GREEN SHEETING OR CFX'S APPROVED EQUAL.
44. FOR FULL PANEL OVERLAYS, THE OVERLAY FABRICATOR SHALL PROVIDE A DETACHED BACK OF PANEL DECAL CONTAINING ALL REQUIRED INFORMATION. THE CONTRACTOR SHALL APPLY THE DECAL TO THE BACK OF THE EXISTING PANEL IN THE VICINITY OF THE EXISTING DECAL. THE EXISTING DECAL SHALL REMAIN VISIBLE.
45. THE SIGN PANEL FABRICATOR SHALL PROVIDE A COLOR PHOTOGRAPH OF THE ASSEMBLED PANEL FOR ALL MULTI-POST AND OVERHEAD MOUNTED SIGNS. PHOTOGRAPHS SHALL BE SUBMITTED TO THE CEI. THE CEI SHALL FORWARD A COPY OF THE PICTURES TO THE EOR AND CFX'S REPRESENTATIVE. THE CEI, EOR AND CFX'S REPRESENTATIVE SHALL APPROVE THE PHOTOS PRIOR TO SHIPMENT. DIGITAL FORMAT IS ACCEPTABLE; "JPG" FORMAT PREFERRED. PHOTO DETAIL AND RESOLUTION SHALL BE SUCH THAT REVIEWER CAN REASONABLY DETERMINE IF THE PANEL HAS BEEN FABRICATED IN ACCORDANCE WITH APPROVED SHOP DRAWINGS. PHOTOGRAPHS WILL NOT BE REQUIRED FOR MULTI-POST ROUTE MARKER COMPONENT PANELS UNLESS THEY ARE SPECIAL DESIGN. ONLY ONE REPRESENTATIVE PHOTOGRAPH IS REQUIRED FOR MULTIPLE IDENTICAL SPECIAL DESIGN ROUTE MARKER COMPONENTS.
46. IF SIGN SHEETING, COLORS OR ADHESIVE TAPE MATERIALS ARE PROPOSED FOR USE OTHER THAN THE 3M PRODUCTS SPECIFIED IN THE GENERAL NOTES OR PLAN DETAILS, A 4" X 4" (SHEETING) OR 24" X 1" (TAPE) SAMPLE OF EACH IN ALL APPLICABLE COLORS SHALL BE SUBMITTED TO CFX FOR APPROVAL PRIOR TO FABRICATION OR USE. ALL SAMPLES SHALL INCLUDE MANUFACTURER'S INFORMATION INCLUDING, BUT NOT LIMITED TO, SPECIFICATIONS, WARRANTY AND LOCAL SITES WHERE PRODUCT IS CURRENTLY IN USE.
47. BE RESPONSIBLE FOR FILLING OUT THE COLUMN ENTITLED "AS-BUILT STATION" IN THE TABLE ON THE DETAIL SHEET FOR SPECIAL DESIGN MILE POSTS.
48. (FOR PROJECTS WITH TOLL PLAZAS) GATORHEAD MOUNTED SIGNS (TYPICALLY PAY TOLL AND WATCH FOR PEDESTRIANS) SHALL NOT EXTEND PAST THE CONCRETE BARRIER FACE. IF THE FACE IS BEVELED, THE PANELS SHALL NOT EXTEND PAST THE BEGINNING OF THE BEVELED EDGE. EACH PANEL SHALL BE MOUNTED FLUSH WITH THE FLAT PORTION OF THE BARRIER FACE. THE CEI SHALL IMMEDIATELY NOTIFY THE EOR AND CFX IF THIS REQUIREMENT IS NOT SATISFIED.
49. COLOR PURPLE SHALL BE 3M COMPANY DG3 RETROREFLECTIVE SHEETING 4058FL OR CFX APPROVED EQUAL SEE ADDITIONAL NOTES ON APPLICABLE DETAIL SHEETS.
50. SIGN PANEL FABRICATOR SHALL BE AN AUTHORIZED 3M CERTIFIED FABRICATOR. CURRENT CERTIFICATE SHALL BE SUBMITTED TO CEI PRIOR TO FABRICATION. CEI TO FORWARD ALL CERTIFICATES TO CFX'S REPRESENTATIVE FOR APPROVAL. CONTACT 3M AT 800-553-1380 FOR CERTIFICATION DETAILS.
51. ALL SIGN PANELS, INCLUDING OVERLAYS, SHALL BE FABRICATED UTILIZING THE "DIGITAL PRINTING" METHOD.
52. CEI WILL VERIFY THE TOLL RATES PRIOR TO THE FABRICATION OF ANY TOLL SCHEDULE SIGN.
53. THE LINEAR DELINEATION SYSTEM (LDS) SHALL BE 3M SERIES 340 OR CFX APPROVED EQUAL. EACH PANEL SHALL BE 34 INCHES LONG, 6 INCHES WIDE AND SPACED APPROXIMATELY 18 INCHES APART. ANCHOR BOLTS AND BRACKETS SHALL BE USED WHEN ATTACHING LDS PANELS TO BARRIER WALL AND GUARDRAIL RESPECTIVELY. CONTRACTOR SHALL INSTALL THE LDS IN ACCORDANCE WITH 3M REQUIREMENTS AS SPECIFIED IN THE LATEST 3M PRODUCT BULLETIN. CONTACT 1-800-553-1380 FOR ADDITIONAL INFORMATION. (CONSULTANT TO UPDATE CONTACT PER LATEST 3M PRODUCT BULLETIN)
54. ADJUST LDS PANEL SPACING SUCH THAT EACH PANEL INSTALLED IS FULLY 34 INCHES LONG AND SPACING IS EQUIDISTANT. THE CEI SHALL APPROVE SPACING PRIOR TO INSTALLATION.
55. SHEETING ON THE LDS PANELS SHALL BE 3M DG3 OR CFX APPROVED EQUAL AND COLOR SHALL MATCH ADJACENT EDGE LINE.
56. ALONG SR 408 BETWEEN THE INTERCHANGES OF KIRKMAN ROAD AND CHICKASAW TRAIL, SINGLE AND MULTI-POST SIGN ASSEMBLIES (ALL POSTS, POST ATTACHMENT HARDWARE, AND BACK OF SIGNS PANELS) SHALL BE PAINTED BLACK. THE BLACK PAINT SHALL BE SEMI-GLOSS "THERMOSET POWDER PAINT FINISH", FEDERAL COLOR #27038. THE BACK OF PANEL DECAL CONTAINING OWNER AND FABRICATION INFORMATION SHALL BE APPLIED AFTER THE PAINTING PROCESS IS COMPLETE.
57. ALL PARTIAL PANEL OVERLAYS SHALL HAVE THE SHEETING ORIENTED IN THE SAME DIRECTION AS THE ORIGINAL PANEL.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	GENERAL NOTES - SIGNING  SHEET 2 OF 2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						3



W:\50088189\CFX Design Guidelines\CADD and Details\SPM-V1-03.dgn 5:56:11 PM 2/23/2023 zfincher


PAVEMENT MARKING GENERAL NOTES

1. REFLECTIVE PAVEMENT MARKER ADHESIVE FOR USE ON ASPHALT AND CONCRETE PAVEMENT SHALL BE BITUMINOUS MATERIAL UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
2. PROVIDE A TEMPORARY LAYOUT OF ALL TOLL PLAZA RELATED PAVEMENT MARKINGS FOR APPROVAL BY THE CEI PRIOR TO PERMANENT INSTALLATION.
3. ANY EXISTING PAVEMENT MARKINGS, RPM'S OR DELINEATORS SCHEDULED TO REMAIN EITHER WITHIN OR BEYOND THE PROJECT LIMITS (INCLUDING MILLING AND RESURFACING), WHICH ARE DAMAGED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT HIS EXPENSE. LIMIT OF REPLACEMENT IF REQUIRED SHALL BE DETERMINED BY THE CEI.
4. ROADSIDE MOUNTED FLEXIBLE TUBULAR DELINEATORS SHALL BE "SAFE-HIT CORPORATION, TYPE 2 GUIDE POST (48" WITH FLATTENED TOP)" OR CFX'S APPROVED EQUAL.
5. ROADWAY MOUNTED FLEXIBLE SINGLE UNIT DELINEATORS SHALL BE FLEXSTAKE 48" FLAT, LOW PROFILE SURFACE MOUNT DELINEATORS MODEL HD OR CFX'S APPROVED EQUAL. DELINEATOR ADHESIVE FOR USE ON ASPHALT AND CONCRETE PAVEMENT SHALL BE BITUMINOUS MATERIAL. ENTIRE DELINEATOR BASE SHALL BE ADHERED TO ROADWAY.
6. 3M COMPANY STANDARD PREFORMED PATTERNED RETROREFLECTIVE PAVEMENT MARKING TAPE (PPRT), SERIES 380AW IS TO BE SPECIFIED FOR ALL SOLID LANE LINES, EDGE LINES, SKIP STRIPING, "DO NOT STOP" PAVEMENT MESSAGES AND GORE MARKINGS ON ASPHALT AND CONCRETE PAVEMENT ON FACILITIES WITHIN CFX'S JURISDICTION.
7. DO NOT ABUT MULTIPLE STRIPES IN ORDER TO MEET THE SPECIFIED WIDTH (I.E., THREE 6" STRIPES TO MAKE ONE 18" STRIPE, ETC.).
8. IF DELINEATORS, RPMS OR PAVEMENT MARKING MATERIALS ARE PROPOSED FOR USE OTHER THAN THE PRODUCTS SPECIFIED IN THE GENERAL NOTES OR PLAN DETAILS, A SAMPLE OF EACH IN ALL APPLICABLE COLORS SHALL BE SUBMITTED TO CFX FOR APPROVAL PRIOR TO INSTALLATION. ALL SAMPLES SHALL INCLUDE MANUFACTURERS INFORMATION INCLUDING, BUT NOT LIMITED TO, SPECIFICATIONS, WARRANTY AND LOCAL SITES WHERE PRODUCT IS CURRENTLY IN USE.
9. PROPOSED 12" WHITE/BLACK ALTERNATING 3'-3'-9' SKIP STRIPING ON CONCRETE PAVEMENT SHALL BE INSTALLED USING THE BUTT SPLICE METHOD IN ACCORDANCE WITH THE LATEST EDITION OF 3M COMPANY "STAMARK TAPES PAVEMENT SURFACE PREPARATION AND APPLICATION TECHNIQUES, INFORMATION FOLDER 5.7". CONTACT 3M AT 1-800-553-1380 AS NEEDED.
10. PROVIDE A TEMPORARY LAYOUT OF THE OPTION LANE DIRECTIONAL ARROW FOR APPROVAL BY THE CEI PRIOR TO PERMANENT INSTALLATION. THE CEI SHALL ADJUST THE LOCATION AS NECESSARY TO PROVIDE OPTIMUM VISUAL BENEFIT TO THE MOTORIST.

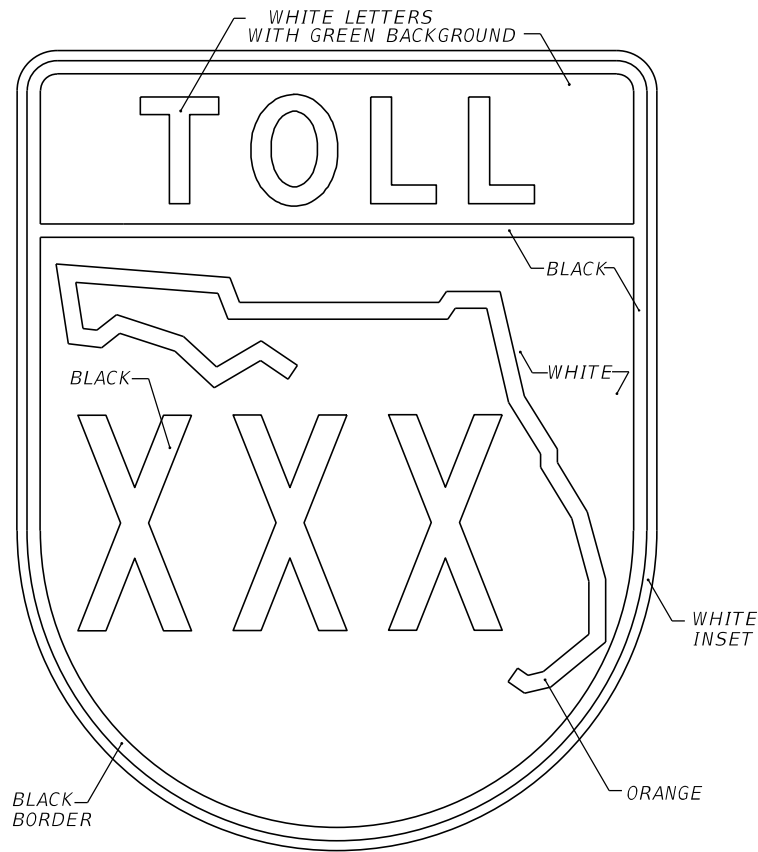
PAY ITEM NOTES

- IT IS THE EOR'S RESPONSIBILITY TO UPDATE AND/OR COMPLETE ALL PAY ITEM NUMBERS (I.E., 700-4X-XXXD) AND STRUCTURE NUMBERS (I.E., OT-X) AS WELL AS ADD AND/OR REVISE NOTES AS APPLICABLE WITHIN CFX'S JURISDICTION.
1. 560-3:  
EXISTING OVERHEAD SIGN STRUCTURE UPRIGHT PAINTING: REMOVAL AND REINSTALLATION OF EXISTING UPRIGHT ATTACHMENTS AND STRUCTURE IDENTIFICATION NUMBERS SHALL BE CONSIDERED INCIDENTAL TO COST OF UPRIGHT PAINTING.
2. 700-1-XX (WALL MOUNT):  
SIGNS ARE SPECIAL DESIGN WALL MOUNTED ASSEMBLIES. COST INCLUDES SIGN, HARDWARE, POST AND MATERIALS FOR A COMPLETE ASSEMBLY PER STRUCTURAL DETAILS IN PLANS. (TO BE INCLUDED ONLY WHEN CFX REQUIRES A DESIGN OTHER THAN FDOT INDEX 11871)
3. 700-1-XX (RCM, JCT, TRAILBLAZERS):  
SIGNS ARE SPECIAL DESIGN SINGLE POST ASSEMBLIES. SEE STRUCTURAL DETAILS IN PLANS.
4. 700-1-XX (FLIP-UP SIGNS):  
PANELS ARE PERMANENT FLIP-UP SIGNS AS DETAILED IN THE FDOT TRAFFIC ENGINEERING MANUAL. PAYMENT FOR THE HINGE AND ANY OTHER SPECIAL HARDWARE REQUIRED FOR THE FLIP-UP PANEL SHALL BE CONSIDERED INCIDENTAL TO SIGN ASSEMBLY INSTALLATION.
5. 700-1-XX:  
WHEN EXISTING SIGN ASSEMBLIES ARE TO BE REMOVED FROM OR RELOCATED ALONG BARRIER WALLS AND BRIDGES, THE CONTRACTOR SHALL PATCH, SEAL AND PAINT ALL HOLES AS A RESULT OF ASSEMBLY REMOVAL OR RELOCATION. PAINT SHALL MATCH EXISTING AND MATERIALS SHALL BE APPROVED BY THE CEI PRIOR TO USE. COST SHALL BE CONSIDERED INCIDENTAL TO ASSEMBLY REMOVAL OR RELOCATION.
6. 700-3-XXX:  
SIGN PANEL TO BE MOUNTED FLUSH WITH BRIDGE GIRDER OR PARAPET WALL. SPACERS MAY BE REQUIRED BEHIND THE PANEL SUCH THAT FINAL SIGN FACE IS INSTALLED VERTICALLY PLUMB. ANY ALUMINUM SIGN SURFACE WHICH OTHERWISE COMES INTO CONTACT WITH CONCRETE SHALL BE COATED WITH AN ALKALI-RESISTANCE COATING. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CATALOG CUTS FOR ATTACHMENT METHOD. PAYMENT FOR ALL ADDITIONAL ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE SIGN PANEL.
7. 700-4-XXX:  
SIGN UPRIGHT PAINTING SHALL BE CONSIDERED INCIDENTAL TO COST OF PROPOSED STRUCTURE.
8. 700-4-XXX (FOR USE IN PROJECTS CONTAINING TOLL PLAZA APPROACH SIGNS WITH A SINGLE LINE DMS):  
FOR SIGN STRUCTURES OT-X, OT-X, OT-X AND OT-X, PAY ITEM SHALL INCLUDE SPECIAL LUMINAIRE PIPE SUPPORTS FOR THE DMS SIGN. PAYMENT FOR THE DMS IS NOT INCLUDED. SEE ITS PLANS FOR ADDITIONAL DETAILS.
9. 700-10-XXX (MULTI-LINE DMS):  
SEE ITS PLANS FOR DETAILS.
10. 705-11B:  
3M LINEAR DELINEATION SYSTEM OR CFX APPROVED EQUAL. SEE PAVEMENT MARKING GENERAL NOTES FOR DETAILS.
11. 711-1A-XXX:  
FOR LOCATIONS THAT REQUIRE THERMOPLASTIC PAVEMENT MARKINGS, PAINT SHALL BE USED FOR THE INITIAL APPLICATION TO ALLOW FOR A 30 DAY CURE TIME. INSTALLATION OF THE FINAL THERMOPLASTIC STRIPING SHALL BE AS DIRECTED BY CFX'S DIRECTOR OF CONSTRUCTION AND THE CEI. COST OF THE INITIAL PAINT APPLICATION SHALL BE INCIDENTAL TO THE THERMOPLASTIC PAY ITEM.
12. 713-1AA-BCD:  
PREFORMED TAPE SHALL BE 3M COMPANY 380AW OR CFX APPROVED EQUAL. SEE GENERAL NOTES.
13. 715-11-XXX:  
PAYMENT SHALL BE INCIDENTAL TO COST OF STRUCTURE. FOR LOCATIONS THAT REQUIRE A GROUNDING ELECTRODE ARRAY (AS DETERMINED BY THE CEI), A SEPARATE PULL BOX SHALL BE INSTALLED FOR EACH ELECTRODE WITHIN THE ARRAY AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIGN ASSEMBLY. THE CEI SHALL FIELD VERIFY AND DOCUMENT NEED FOR SHIELDING PRIOR TO INSTALLATION. THE CEI SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD FOR RESOLUTION.
14. IN ADDITION TO CFX SPECIFICATION 104-5, PAYMENT FOR ALL EROSION CONTROL WORK AND MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THE UNIT COST OF THE SIGN ASSEMBLY.
15. REMOVAL OF HARDWARE, LIGHTING, ETC. SHALL BE CONSIDERED INCIDENTAL TO THE COST OF SIGN PANEL REMOVAL.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	GENERAL NOTES - MARKINGS / PAY ITEM NOTES		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				4	

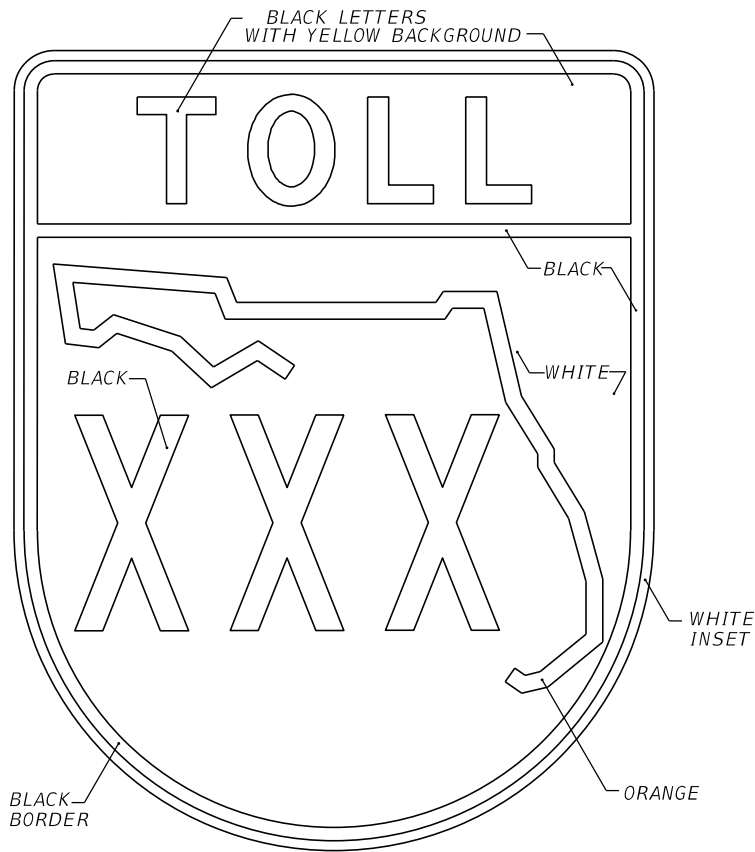
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		TOLL ROUTE SHIELD DIMENSIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					5

TM1



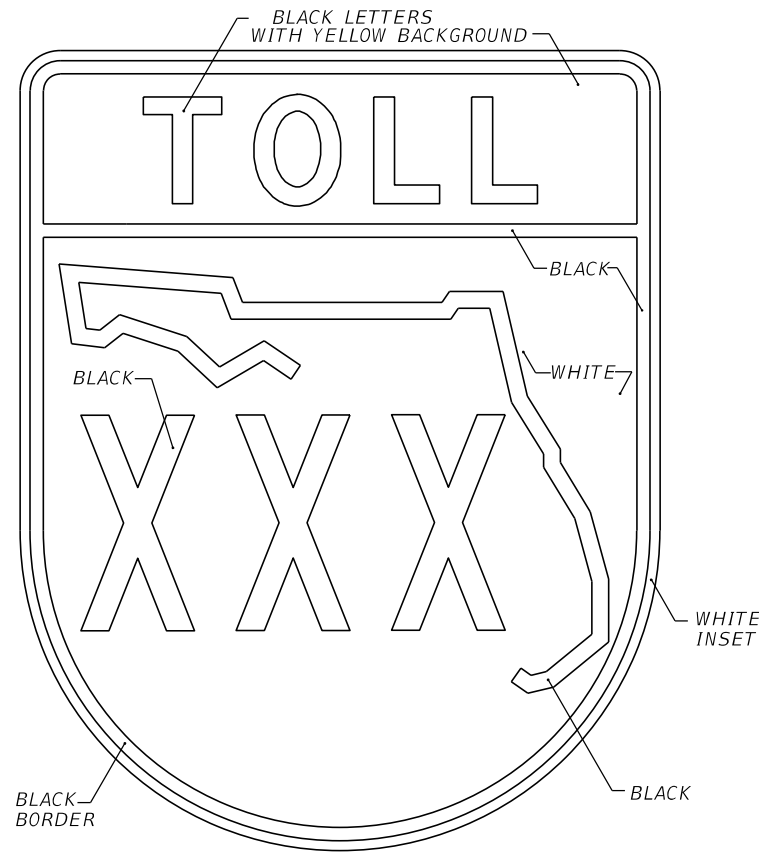
SIGNS ALONG THE AUTHORITY'S  
MAINLINE AND RAMPS

TM2



SIGNS ALONG INTERCHANGING CROSSROADS,  
TRAILBLAZER ASSEMBLIES ON FACILITIES  
LEADING TO THE INTERCHANGING CROSSROAD

TM3



SIGNS WITHIN STATE (FDOT) JURISDICTION

NOTES:

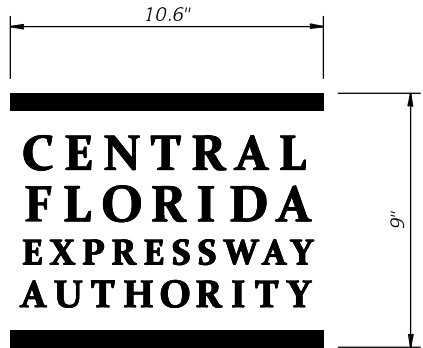
1. COLORS INDICATED ON SHIELD ARE APPLICABLE TO ALL SIZES.
2. SHOP DRAWINGS ARE REQUIRED.
3. COLORS:  
BLACK  
WHITE  
YELLOW  
ORANGE, 3M COMPANY EC FILM SERIES 1174 OR CFX APPROVED EQUAL.
4. FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM 1170 CLEAR ON CFX DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M AT 1-800-553-1380.

NOTES TO CONSULTANT:

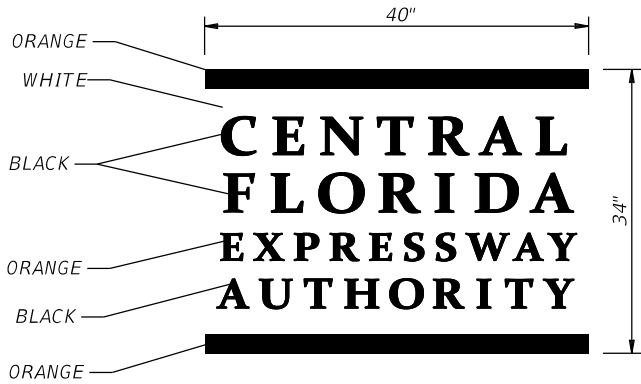
1. DELETE ALL INFORMATION NOT SPECIFIC TO PROJECT.
2. DELETE BOXES WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	TOLL ROUTE SHIELD (TM1, TM2, TM3)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				6	

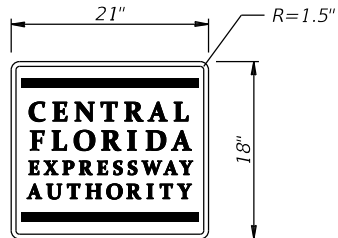
zfincher 2/23/2023 5:56:12 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPW\44-06.dgn



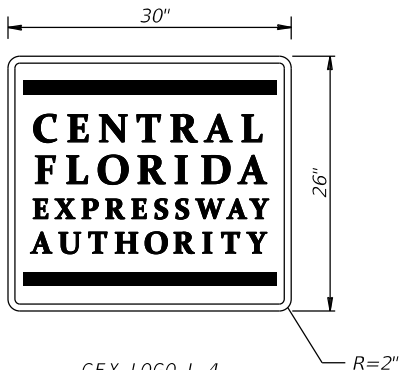
CFX LOGO L-1



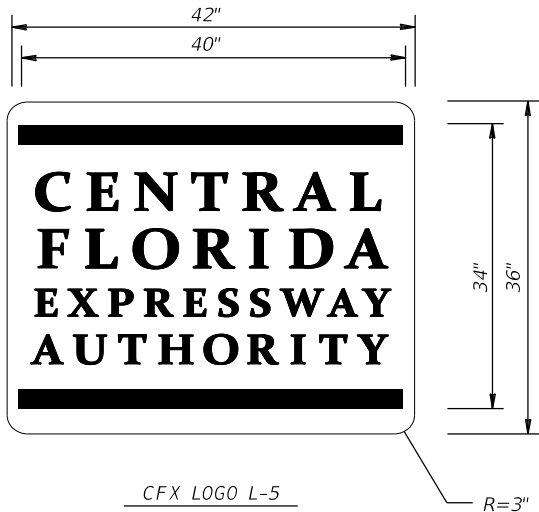
CFX LOGO L-2



CFX LOGO L-3



CFX LOGO L-4



CFX LOGO L-5


LOGO NOTES

1. CONTRACTOR TO BE GIVEN A COMPUTER DISK OF EACH CFX LOGO FOR USE IN SIGN FABRICATION UPON REQUEST.
2. COLORS:
  - BLACK
  - WHITE
  - ORANGE, 3M COMPANY EC FILM NO. 1174 OR CFX APPROVED EQUAL
3. LOGO L-1: TOLL PLAZA PARKING LOT SIGNS.
4. LOGO L-2: BEGIN/END SYSTEM SIGNS.
5. LOGO L-3: CROSSROAD JUNCTION ASSEMBLY WITH 24" x 30" TOLL SHIELD.
6. LOGO L-4: BRIDGE MOUNTED (ROADWAYS CROSSING UNDER THE MAINLINE) AND CROSSROAD JUNCTION ASSEMBLY WITH 36" x 48" TOLL SHIELD.
7. LOGO L-5: MAINLINE POST - ROUTE CONFIRMATION MARKERS, SINGLE PANEL DESIGN.
8. LOGOS L-3 AND L-4 (DIMENSIONS IN INCHES):
  - BORDER COLOR = BLACK
  - BORDER WIDTH = 0.625
  - BORDER INSET = 0.375
9. LOGOS L-1 AND L-2 SHALL NOT HAVE A BORDER.
10. SHOP DRAWINGS ARE REQUIRED.
11. FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM 1170 CLEAR ON CFX DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M COMPANY 1-800-553-1380.

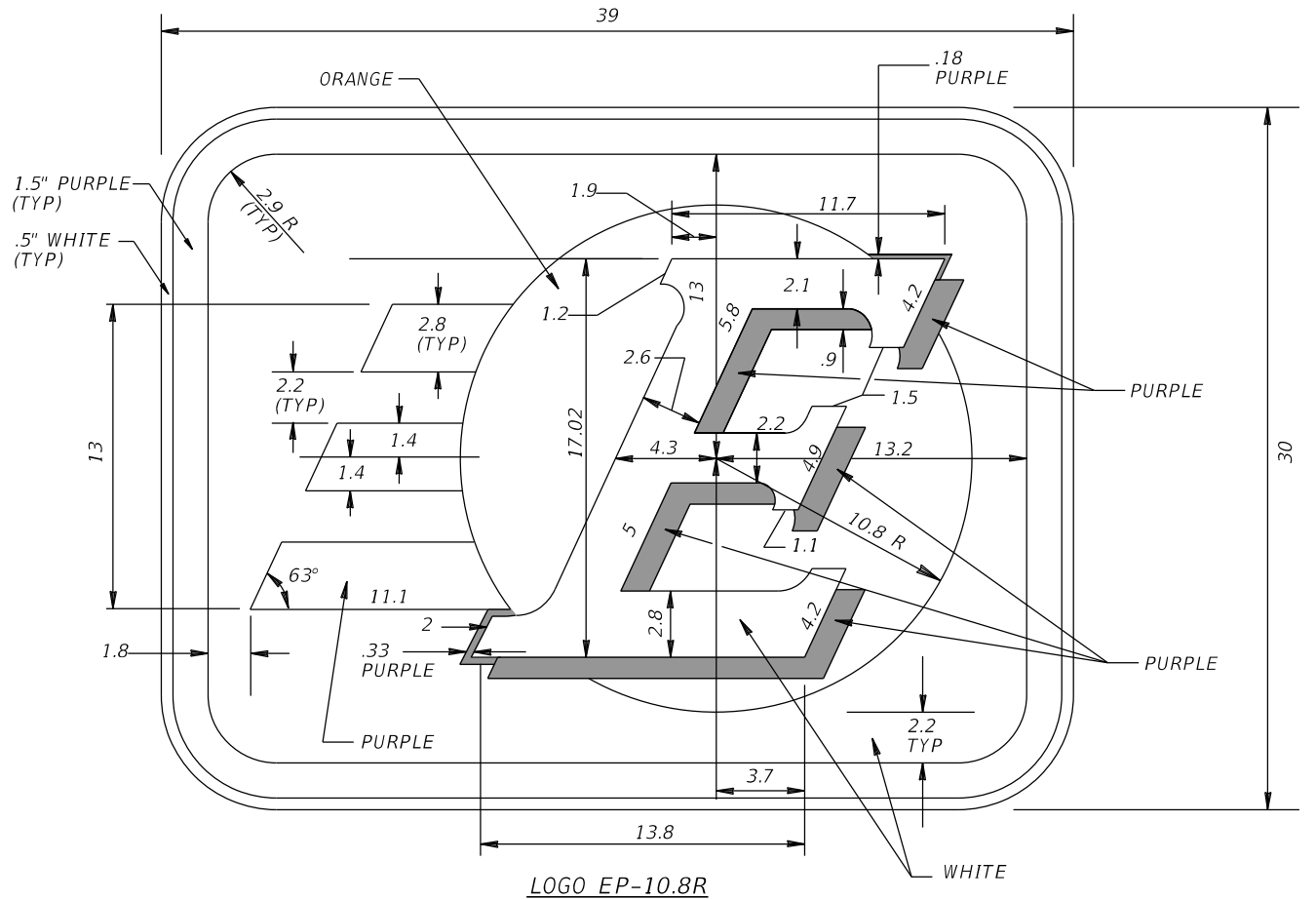
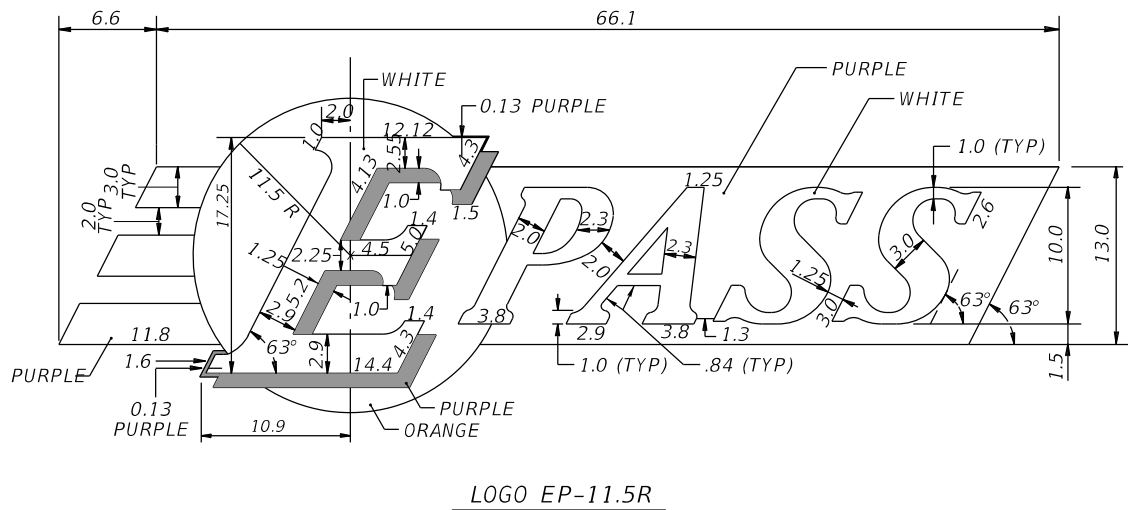
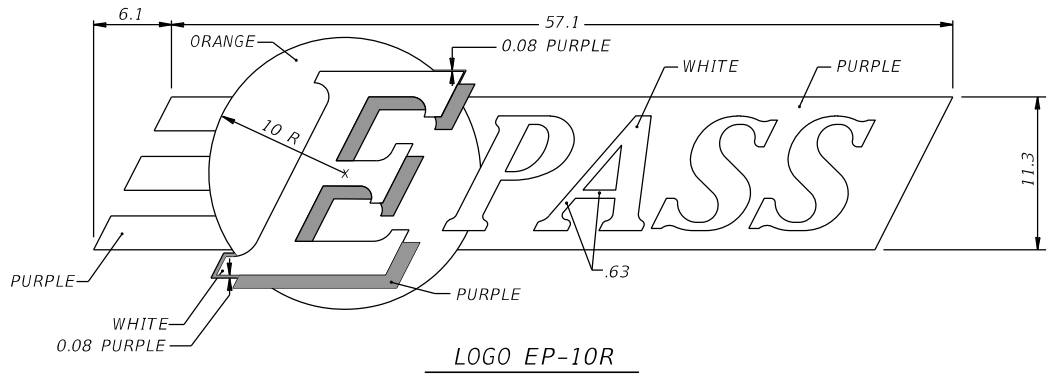
NOTES TO CONSULTANT:

1. DELETE ALL INFORMATION NOT SPECIFIC TO PROJECT.
2. DELETE BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	CFX LOGOS L-1 THRU L-5	SHEET NO.  7
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	PROJECT NO.			

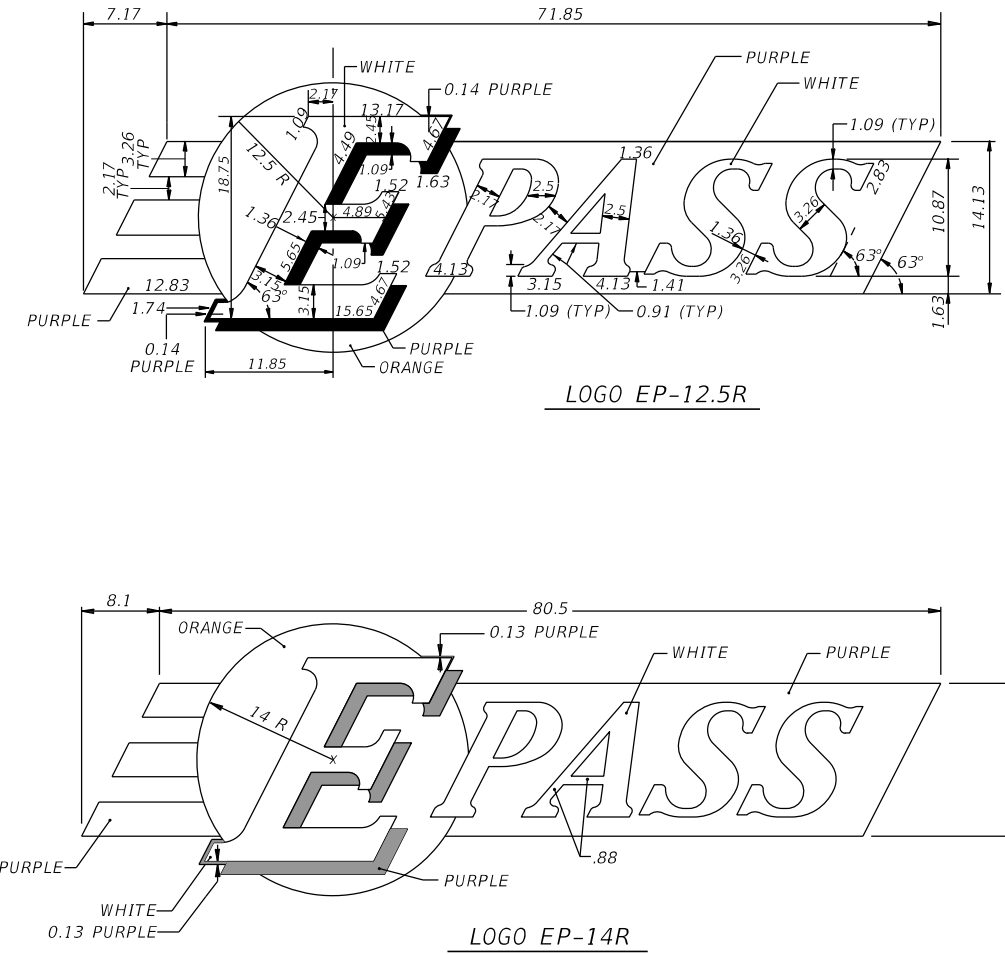
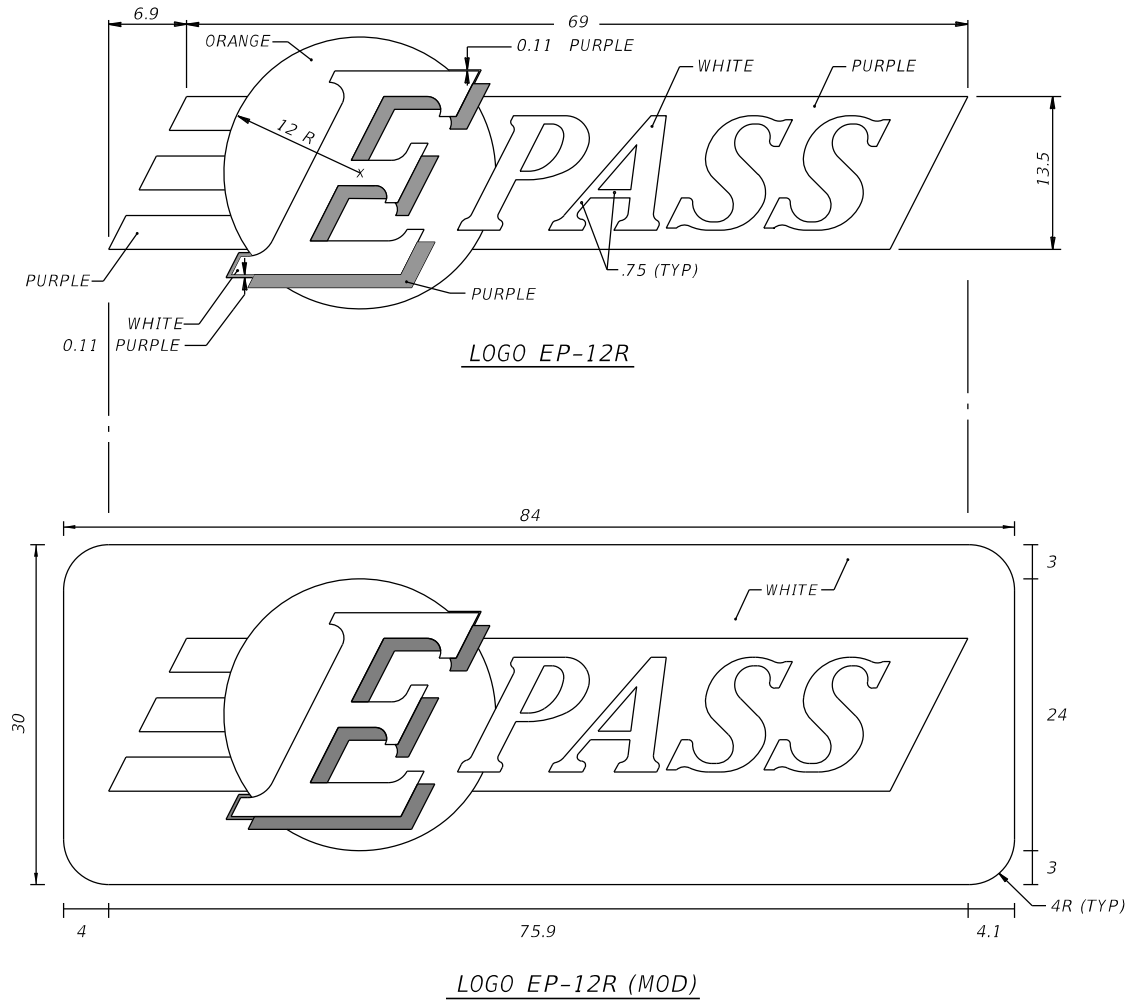
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		EPASS LOGOS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					8

2/23/2023 5:56:12 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\44-04.dgn zfincher





- NOTES TO CONSULTANT:
1. DELETE ALL INFORMATION NOT SPECIFIC TO PROJECT.
  2. NOTES ON SHEET 8 APPLIES TO ALL EPASS LOGOS.
  3. ALL EPASS LOGOS AND NOTES APPLICABLE TO PROJECT SHOULD BE COMBINED ONTO ONE SHEET WHEN POSSIBLE.
  4. DELETE BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	EPASS LOGOS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.			
									9

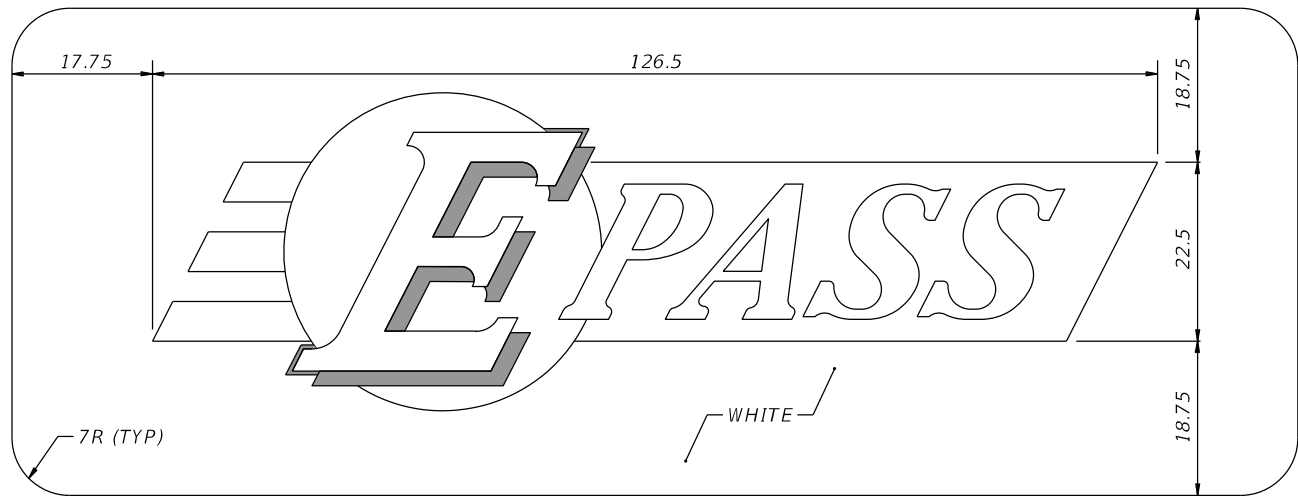
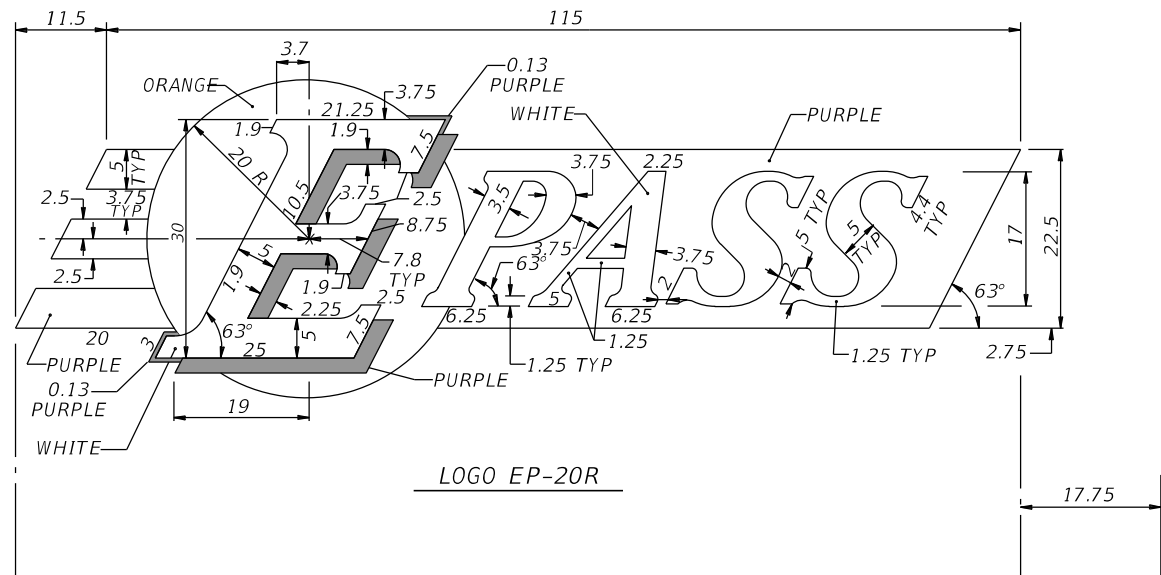
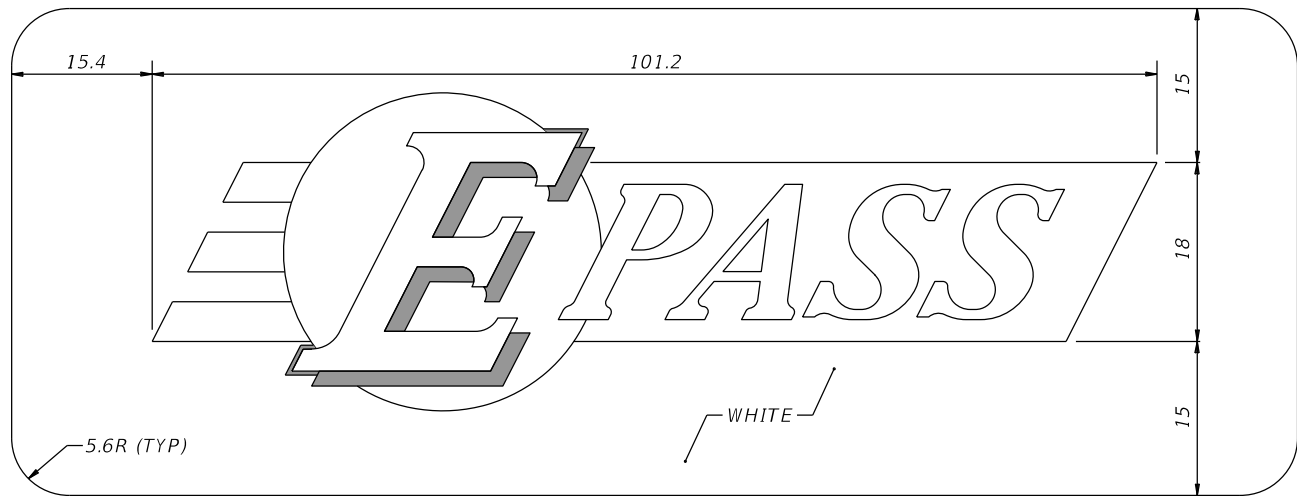
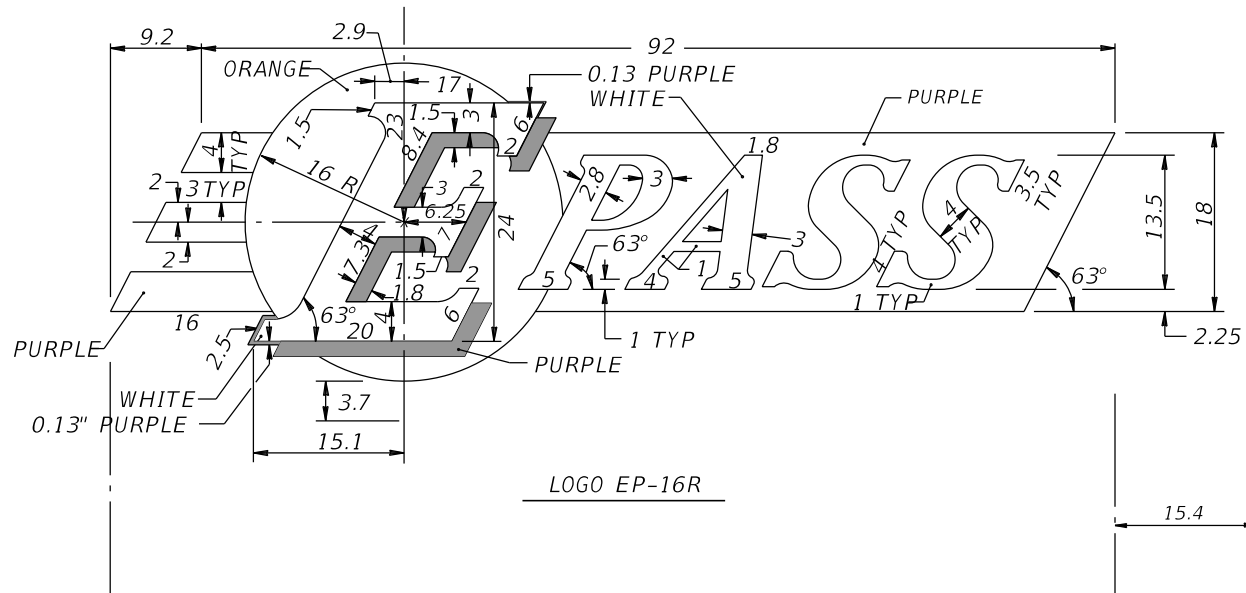


NOTES TO CONSULTANT:

1. DELETE ALL INFORMATION NOT SPECIFIC TO PROJECT.
2. NOTES ON SHEET 8 APPLIES TO ALL EPASS LOGOS.
3. ALL EPASS LOGOS AND NOTES APPLICABLE TO PROJECT SHOULD BE COMBINED ONTO ONE SHEET WHEN POSSIBLE.
4. DELETE BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS				SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.			10

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\44-08.dgn 5:56:13 PM 2/23/2023 zfincher




- NOTES TO CONSULTANT:
1. DELETE ALL INFORMATION NOT SPECIFIC TO PROJECT.
  2. NOTES ON SHEET 8 APPLIES TO ALL EPASS LOGOS.
  3. ALL EPASS LOGOS AND NOTES APPLICABLE TO PROJECT SHOULD BE COMBINED ONTO ONE SHEET WHEN POSSIBLE.
  4. DELETE BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	EPASS LOGOS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
									11





REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS			<i>SUNPASS LOGOS</i>  <i>SP-1 THRU SP-4</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.			13

NOTES:

EACH NUMBER WITHIN A FRACTION SHALL BE  
10" CV 4-W GIVING A TOTAL HEIGHT OF 15"

10% EXTRA INTER-LETTER SPACE IS  
INCLUDED ON PANELS WITH BLACK  
LEGEND ON YELLOW BORDER

Diagram of a rectangular sign with the following dimensions and text:

- Overall Dimensions:** 222" wide by 114" high.
- Text:**
  - PAY TOLL** (top section)
  - Landstar Blvd** (middle section)
  - 1 1/4 MILES** (bottom section)
- Section Heights (from top):**
  - 14" (top border)
  - 12" (text "PAY TOLL")
  - 12" (divider)
  - 16" (text "Landstar Blvd")
  - 16" CV 5-W (text "1 1/4 MILES")
  - 14.5" (bottom border)
  - 10" CV 4-W (bottom border)
  - 17.5" (bottom border)
- Section Widths (from left):**
  - 17.9" (left border)
  - 186.1" (text area)
  - 18" (right border)
- Additional Notes:**
  - BLACK ON YELLOW W/
  - 2" BLACK BORDER
  - ON SIDES AND
  - 2" DIVIDER

Diagram of a rectangular sign with the following dimensions and offsets:

- Overall width: 222"
- Overall height: 72"
- Sign text: **Landstar Blvd**  
**NEXT RIGHT**
- Left offset: 17.9"
- Right offset: 18"
- Bottom offset: 186.1"
- Vertical offsets on the right side (from top to bottom):
  - 18"
  - 16" CV 5-W
  - 12"
  - 12" CV 4-W
  - 14"

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

STANDARD SHIELD DIMENSIONS (INTERCHANGE SEQUENCE SIGNS) W/ 13.3" DESTINATION TEXT	
STATE ROAD (2 OR 3 DIGITS):	30"W X 24"H
COUNTY ROAD (2 DIGITS):	26"W X 25"H (YELLOW RECTANGULAR BACKGROUND)
COUNTY ROAD (3 DIGITS):	34"W X 33"H (YELLOW RECTANGULAR BACKGROUND)

Diagram of a rectangular highway sign with the following dimensions and content:

- Overall Dimensions:**
  - Width: 324"
  - Height: 114"
- Internal Dimensions and Spacing:**
  - Top margin: 12"
  - Left margin: 15"
  - Right margin: 15"
  - Bottom margin: 12"
  - Text area width: 294"
- Sign Content:**
  - Top left: Route shield with number 50
  - Top right: **West Colonial Dr**
  - Bottom left: TOLL FLORIDA'S TURNPIKE logo
  - Bottom right: **Turnpike**
- Additional Dimensions:**
  - Vertical spacing on the right side: 17.4", 13.3", 45.5", 13.3", 24.5"
  - Horizontal spacing at the top: C/L NUMERALS 13.3" CV 5-W, C/L FRACTIONS 10" CV 5-W

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

2/23/2023 5:56:14 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A2-01.dgn

<i>SIGN NUMBER</i>	104
<i>QUANTITY</i>	
<i>WIDTH</i>	25'-0" (300")
<i>HEIGHT</i>	10'-6" (126")
<i>BORDER WIDTH</i>	2"
<i>BORDER RADIUS</i>	12"
<i>BORDER INSET</i>	N/A
<i>BACKGROUND COLOR</i>	Green/Yellow
<i>LEGEND &amp; BORDER COLOR</i>	White/Black
<i>SHEETING</i>	DG3

*MOUNTING: OVERHEAD CANTILEVER (OC-X)*

[illegible]

*MOUNTING: OVERHEAD CANTILEVER (OC-X)*

COPY		P	A	Y		T	O	L	L											L	
SPACE	103.8	36.1			18	43.9				98.2										98	
COPY		W	e	s	t		R	d												L	
SPACE	96.2	62.8				16	28.4		96.6											107.2	
COPY		C	I	a	r	c	o	n	a		-		0	c	o	e	e		R	d	L
SPACE	20.6	115.9								6	6.2	6	80.3					16	28.4	20.6	258.8
COPY		E	X	I	T		↗		0	N	L	Y								L	
SPACE	77.7	37.6				18	27.5	18	48.5				72.7								149.6

USE: MAINLINE OVERHEAD SIGNS

INSTRUCTIONS TO DESIGNERS CONTINUED:

*LABEL ALL BORDER/DIVIDER COLORS*

SIGN NUMBER	106
QUANTITY	
WIDTH	15'-0" (180")
HEIGHT	10'-6" (126")
BORDER WIDTH	2"
BORDER RADII	9"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

MOUNTING: OVERHEAD TRUSS (OT-X)

FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-4-W

[illegible]

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	GUIDE SIGN WORKSHEET  SIGNS 104 - 106	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

zfincer 2/23/2023 5:56:15 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A2-07.dgn

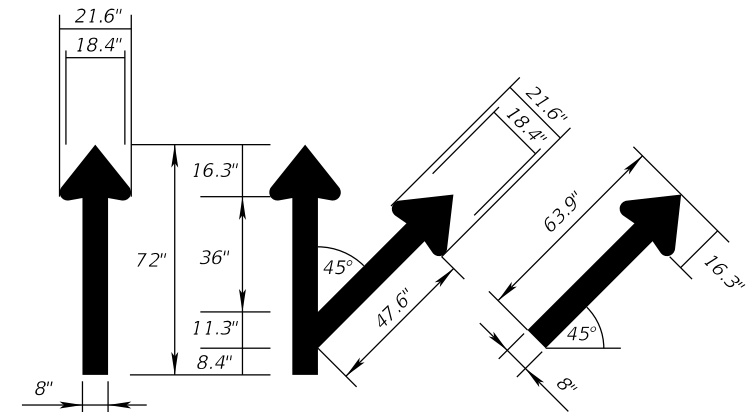



Diagram illustrating the dimensions and layout of a double-sided exit sign. The sign is rectangular, with the word **EXIT** on the left and **ONLY** on the right. The sign is 12" high and 24" wide. The text is black on a yellow background. The dimensions are labeled as follows:

- 12" EM (Height of the sign)
- 3" (Top margin)
- 3" (Bottom margin)
- 24" (Width of the sign)
- 2"R (TYP) (Radius of the rounded corners)
- BLACK ON YELLOW (Text color and background)

<i>SIGN NUMBER</i>	<i>107</i>
<i>QUANTITY</i>	
<i>WIDTH</i>	<i>45'-0" (540")</i>
<i>HEIGHT</i>	<i>19'-6" (234")</i>
<i>BORDER WIDTH</i>	<i>2"</i>
<i>BORDER RADIUS</i>	<i>12"</i>
<i>BORDER INSET</i>	<i>N/A</i>
<i>BACKGROUND COLOR</i>	<i>Green</i>
<i>LEGEND/BORDER COLOR</i>	<i>White</i>
<i>SHEETING</i>	<i>DG3</i>

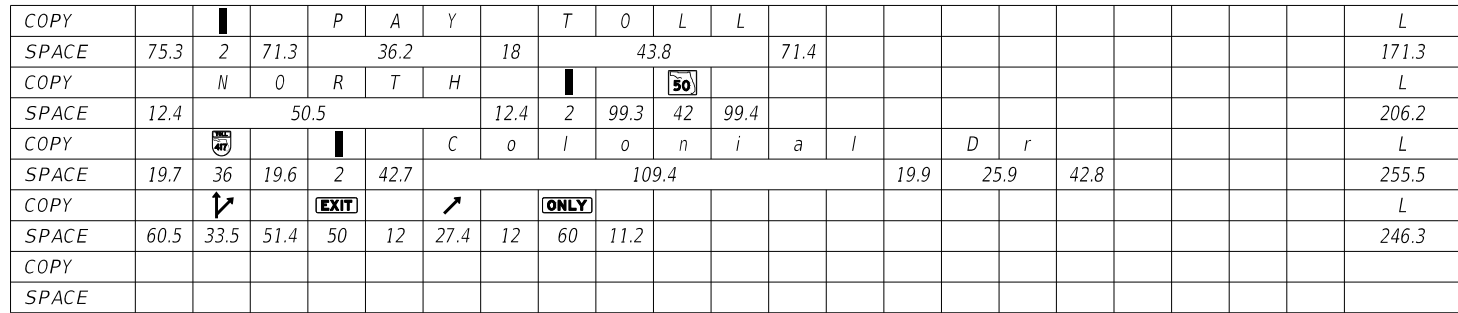
The diagram shows a highway with two lanes in each direction. The left side is labeled 'NORTH' and 'Orlando Daytona Beach'. The right side is labeled 'Int'l Airport'. There are two exits on the right side, labeled 'EXIT' and 'ONLY'. A toll sign is shown on the left side.

NOTE: 10% EXTRA INTER-LETTER SPACING WAS INCLUDED IN THE DESIGN OF THIS PANEL FOR NEGATIVE CONTRAST COPY (BLACK LEGEND ON YELLOW BACKGROUND)

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS			<div>GUIDE SIGN WORKSHEET</div> <div>SIGN 107</div>		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				
										16

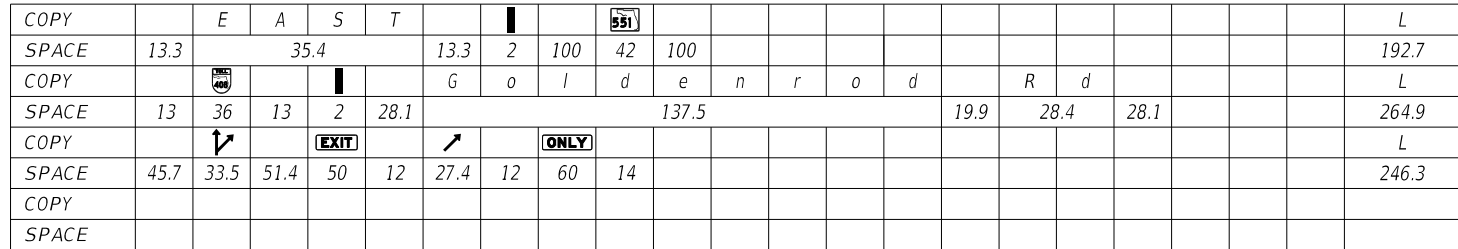
NOTES:

1. FOR USE AT TOLLED RAMPS.
2. CONSULTANT TO ADD MILEAGE AS NEEDED.



NOTES:

1. FOR USE AT NON-TOLLED RAMPS.
2. CONSULTANT TO ADD MILEAGE AS NEEDED.



SIGN NUMBER	
QUANTITY	
WIDTH	
HEIGHT	
BORDER WIDTH	
BORDER RADII	
BORDER INSET	
BACKGROUND COLOR	
LEGEND & BORDER COLOR	
SHEETING	
NOTES:	

INTENTIONALLY LEFT BLANK

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

NOTES:

Diagram of a rectangular sign with dimensions and text:

- Overall width: 150"
- Overall height: 60"
- Sign width: 116"
- Sign height: 38"
- Text: **Kissimmee**  
**NEXT RIGHT**
- Dimensions from top edge to sign top: 15", 13.3", 9.7", 10", 12"
- Dimensions from bottom edge to sign bottom: 17", 17"

SIGN NUMBER	111
QUANTITY	
WIDTH	9'-6" (114")
HEIGHT	2'-0" (24")
BORDER WIDTH	1"
BORDER RADII	3"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

Plan view of J Lawson Blvd. The road is 24" wide. The centerline is 8" from the right edge. The road is 114" long. The centerline is 93.9" from the left edge. The road is 10.1" from the right edge. The road is 10" from the left edge.

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

EXAMPLES:  
SUPPLEMENTAL GUIDE SIGN  
CROSSROAD STREET NAME SIGN  
EXIT NUMBER PLAQUE / AUXILIARY PANEL

EXIT NUMBER PLAQUE / AUXILIARY PANEL:  
THE SUFFIX LETTER, WHEN NECESSARY, SHALL BE SEPARATED FROM THE EXIT NUMBER  
BY ONE HALF (1/2) OF THE SUFFIX LETTER HEIGHT  
THE BORDER WIDTH SHALL MATCH THAT OF THE MAIN PANEL TO WHICH IT IS ATTACHED

SIGN NUMBER	112
QUANTITY	
WIDTH	8'-6" (102")
HEIGHT	2'-6" (30")
BORDER WIDTH	2"
BORDER RADII	4"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

Diagram of a rectangular sign with dimensions:

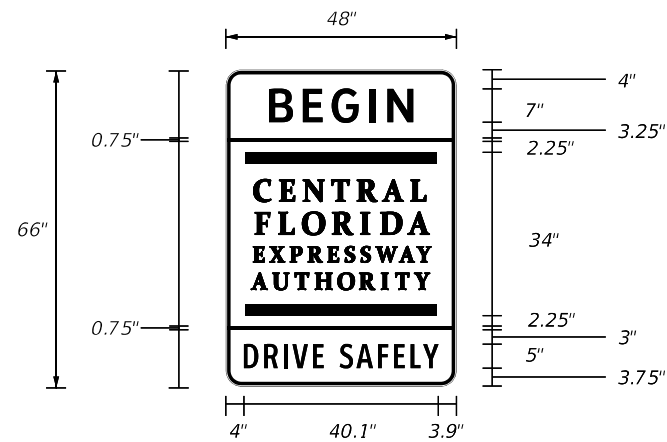
- Overall width: 102"
- Overall height: 30"
- Top border: 10"
- Side borders: 10"
- Bottom border: 10"
- Text "EXIT 11A" is centered.
- Text "EXIT" height: 7.5"
- Text "11" height: 15"
- Text "A" height: 7.5"
- Sign is 13.3" from the left and right edges.
- Sign is 75.4" from the top and bottom edges.

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

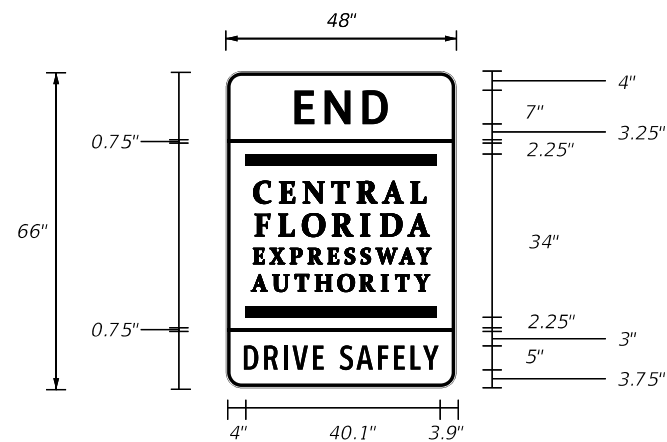
zfincer 2/23/2023 5:56:15 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A2-04.dgn

NOTES:

SEE CFX LOGO L-2, THIS SHEET

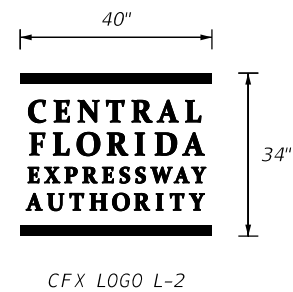


SIGN NUMBER	114
QUANTITY	
WIDTH	4'-0" (48")
HEIGHT	5'-6" (66")
BORDER WIDTH	0.75"
BORDER RADII	3"
BORDER INSET	0.25"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3



NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.


EXAMPLES:  
BEGIN CFX SYSTEM SIGN  
END CFX SYSTEM SIGN



SIGN NUMBER	
QUANTITY	
WIDTH	
HEIGHT	
BORDER WIDTH	
BORDER RADII	
BORDER INSET	
BACKGROUND COLOR	
LEGEND & BORDER COLOR	
SHEETING	

INTENTIONALLY LEFT BLANK

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		GUIDE SIGN WORKSHEET  SIGNS 113, 114	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.



W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A2-03.dgn 5:56:16 PM 2/23/2023 zfincher

SIGN NUMBER115

QUANTITY

WIDTH15'-6" (186")

HEIGHT12'-0" (144")

BORDER WIDTH2"

BORDER RADII10"

BORDER INSETN/A

BACKGROUND COLORGreen

LEGEND & BORDER COLORWhite

SHEETINGDG3

NOTES:

MOUNTING: OVERHEAD CANTILEVER (OC-X)

186"

144"

14" 12"(1) 48" 13.3"(2) 10.7" 13.3"(2) 32.7"

15.6" 154.9" 15.6"

FONT:  
(1) ClearviewHwy-4-W  
(2) ClearviewHwy-5-W

COPY		J	C	T																	L
SPACE	54.3	29.1			12.4	36	54.2														77.5
COPY		D	E	S	T	I	N	A	T	I	O	N		A							L
SPACE	15.6	125.6												16.7	12.5	15.6					154.8
COPY		D	E	S	T	I	N	A	T	I	O	N		B							L
SPACE	15.6	125.6												19.1	10.1	15.6					154.8
COPY		D	I	S	T	A	N	C	E												L
SPACE	57.5	71									57.5										71
COPY																					
SPACE																					

USE: OVERHEAD SIGNS

EXAMPLES:  
CROSSROADS GUIDE SIGNS  
EXPRESSWAY ENDS SIGN

SIGN NUMBER116

QUANTITY

WIDTH16'-6" (198")

HEIGHT12'-0" (144")

BORDER WIDTH2"

BORDER RADII10"

BORDER INSETN/A

BACKGROUND COLORGreen

LEGEND & BORDER COLORWhite

SHEETINGDG3

NOTES:

MOUNTING: OVERHEAD CANTILEVER (OC-X)

198"

144"

14" 12"(2) 48" 13.3"(1) 10.7" 13.3"(1) 10.7" 10"(2) 12"

18.7" 163.2" 16.1"

FONT:  
(1) ClearviewHwy-5-W  
(2) ClearviewHwy-4-W

COPY				N	O	R	T	H													L
SPACE	49.7	36	12	50.5			49.8														98.5
COPY		D	E	S	T	I	N	A	T	I	O	N		A	I						L
SPACE	18.7	125.6												16.6	21	16.1					163.2
COPY		D	E	S	T	I	N	A	T	I	O	N		A							L
SPACE	20.4	125.6												19.2	12.5	20.3					157.3
COPY		A	C	T	I	O	N		M	E	S	S	A	G	E						L
SPACE	32.5	54.3					12.5	66.3					32.4								133.1

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

SIGN NUMBER117

QUANTITY

WIDTH21'-6" (258")

HEIGHT10'-0" (120")

BORDER WIDTH2"

BORDER RADII12"

BORDER INSETN/A

BACKGROUND COLORYellow

LEGEND & BORDER COLORBlack

SHEETINGDG3

NOTES:  
10% EXTRA INTER-LETTER SPACE IS INCLUDED ON PANELS WITH BLACK LEGEND ON YELLOW BORDER

MOUNTING: OVERHEAD CANTILEVER (OC-X)

258"

120"

13" 12"EM 8" 12"EM 28" 12"EM 10" 12"EM 13"

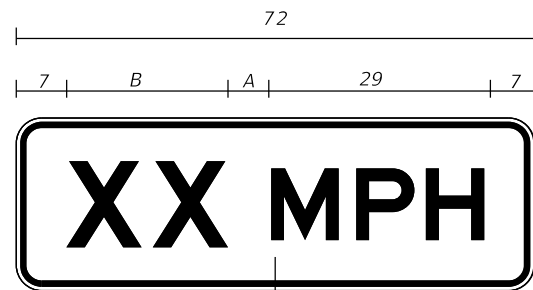
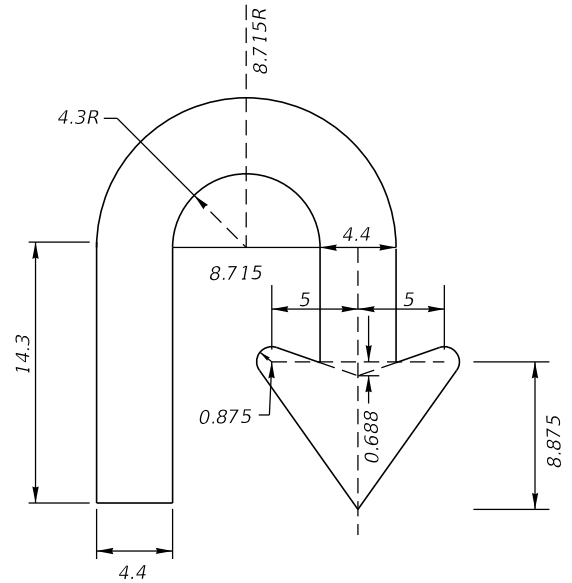
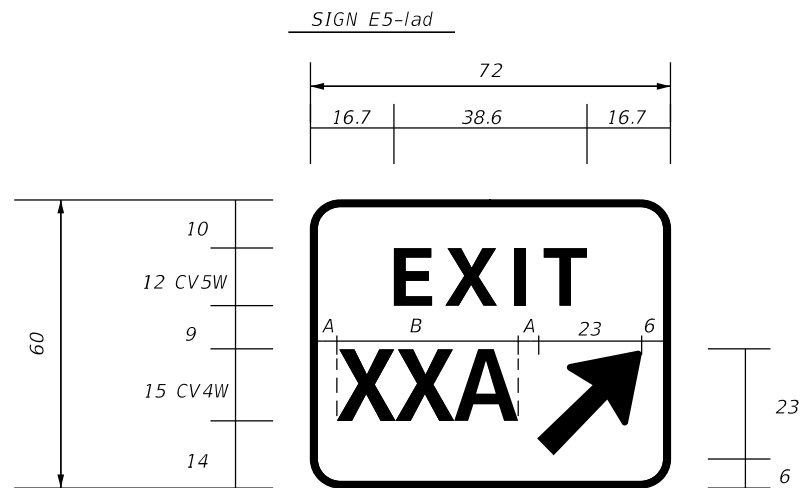
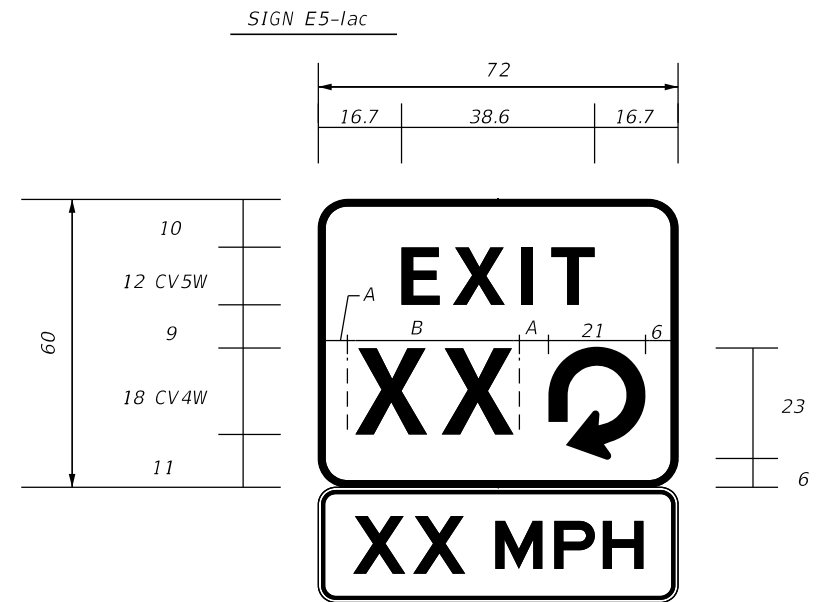
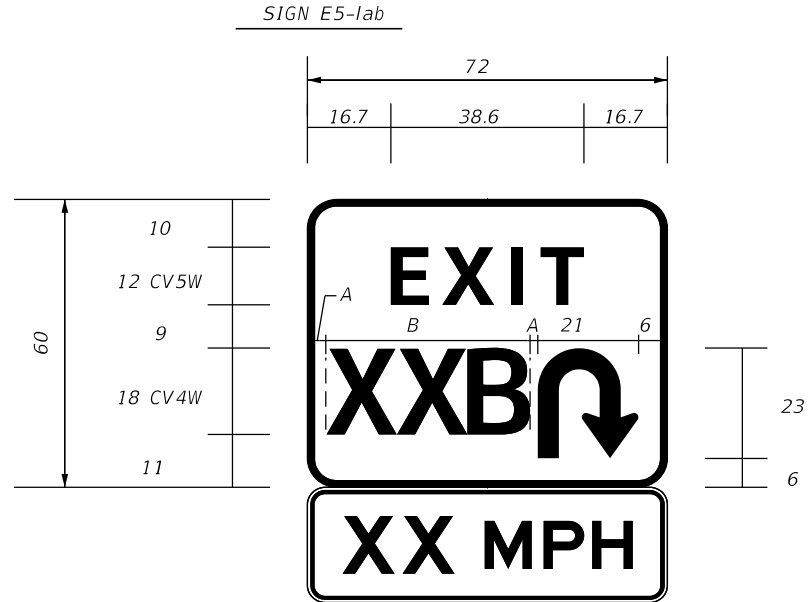
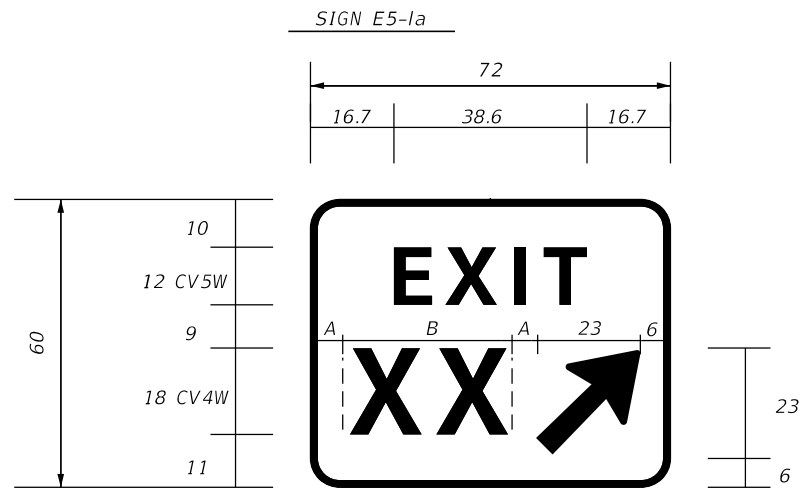
15" 228" 15"

COPY				E	X	P	R	E	S	S	W	A	Y								L
SPACE	43.4	36	12	123.2										43.4							171.2
COPY		E	N	D	S																L
SPACE	129.4	47.3				81.3															47.3
COPY		R	E	D	U	C	E		S	P	E	E	D		A	H	E	A	D		L
SPACE	15	71.4						18	58.1					18	62.5					15	228
COPY		4	5		M	P	H														L
SPACE	89.6	24.2		18	36.7			89.5													78.9

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		GUIDE SIGN WORKSHEET SIGNS 115 - 117	SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION					





CORNER RADII: 3  
BORDER: 0.875  
INSET: 0.625

*SIGN E13-IP*

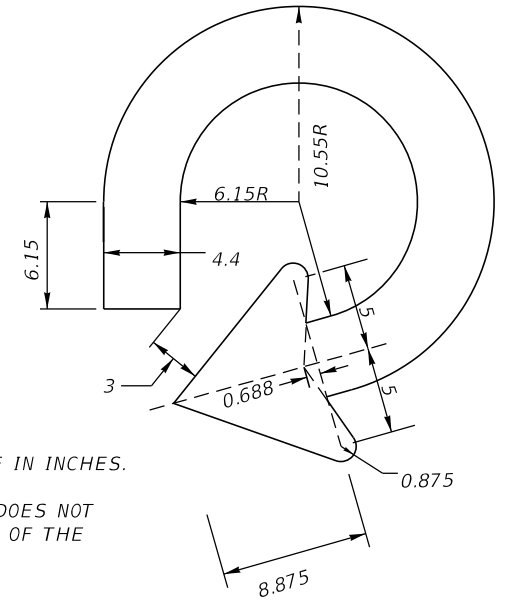
- NOTES TO CONSULTANT:


1. ONLY SHOW DETAILS APPLICABLE TO PROJECT.
2. PROVIDE "A" AND "B" DIMENSIONS FOR ALL SIGNS WITHIN THE PROJECT LIMITS.
3. FOR SINGLE DIGIT EXIT NUMBERS WITH A/B SUFFIX, USE E5-1a DETAIL.
4. DELETE BOX AND NOTES PRIOR TO INCLUDING IN PLANS.

NOTES:

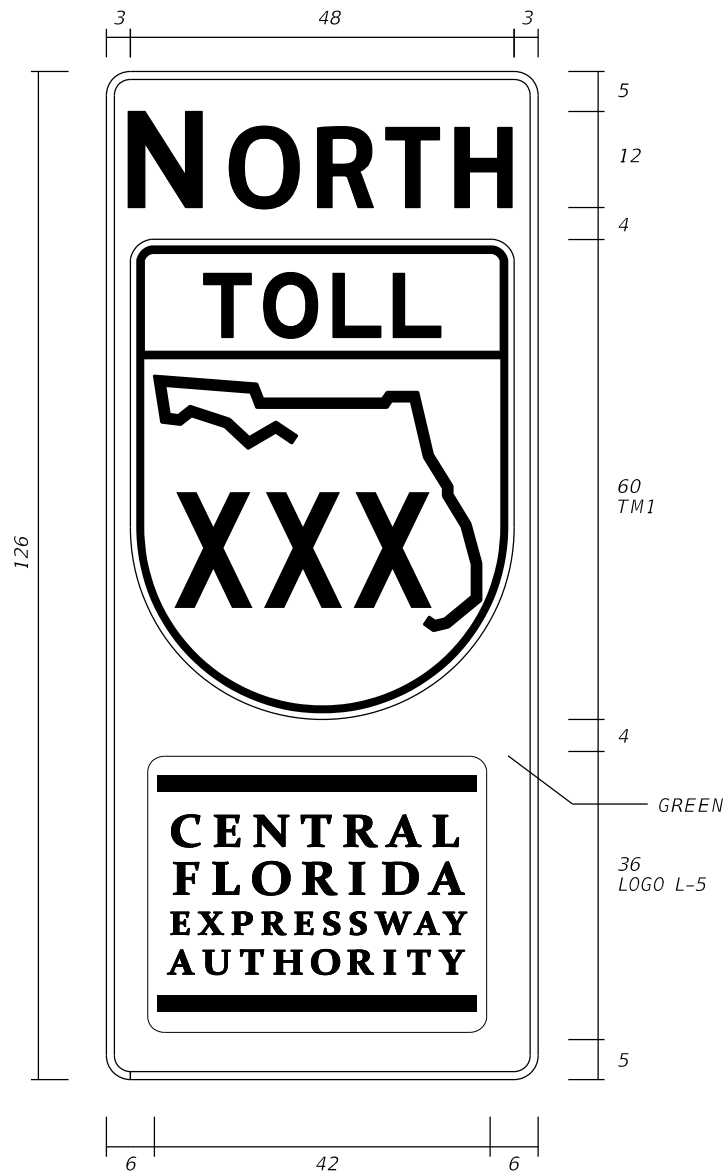
1. ALL DIMENSIONS ARE IN INCHES.
2. THE "A" DIMENSION DOES NOT INCLUDE THE WIDTH OF THE LEFT BORDER.
3. EXIT GORE PANEL:  
BACKGROUND: DG3 GREEN  
LEGEND AND BORDER: DG3 WHITE  
CORNER RADII: 6"  
BORDER: 1.5"
4. SHOP DRAWINGS ARE REQUIRED.
5. THE SUPPLEMENTAL SPEED LIMIT PLAQUE E13-1P (MUTCD 2E.37) SHALL BE SPECIFIED FOR:  
ALL EXIT GORE SIGNS FOR LOOP AND PARTIAL LOOP RAMPs.  
HIGH CRASH LOCATIONS.  
LOCATIONS MEETING THE WARRANTS FOR "EXIT SPEED" WARNING SIGN.  
LOCATIONS AS SPECIFIED BY THE AUTHORITY.

BACKGROUND: DG3 FLUORESCENT YELLOW  
LEGEND AND BORDER: DG3 BLACK



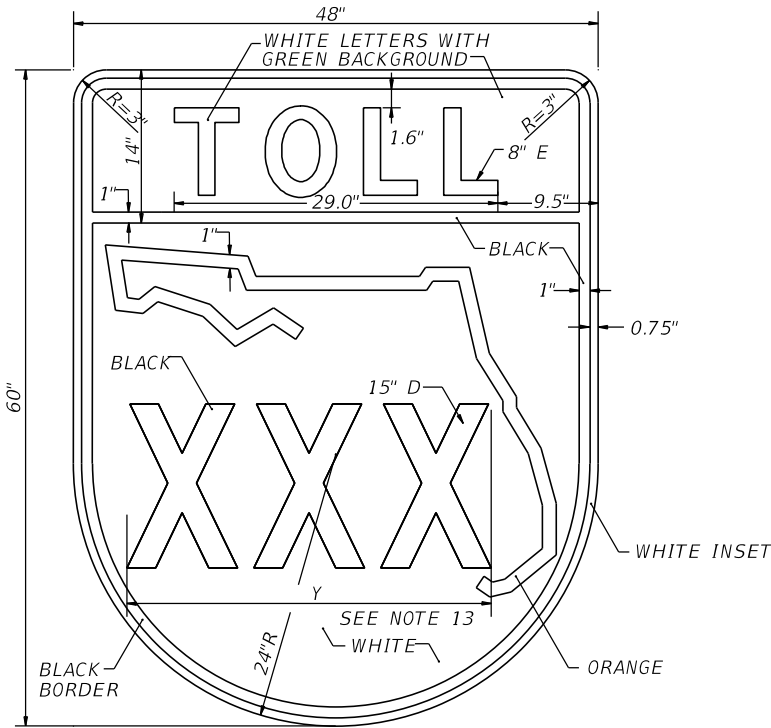
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>GUIDE SIGN WORKSHEET</div> <div>EXIT GORE SIGNS</div>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					22

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A3-02.dgn 5:56:17 PM 2/23/2023 zfincher



COPY SPACING			SIZE/SERIES
	WEST		12/10 CV4W
6.1	41.9	6	
	EAST		12/10 CV4W
9.3	35.4	9.3	
	NORTH		12/10 CV3W
4.0	46	4.0	
	SOUTH		12/10 CV3W
4.5	45	4.5	

- MAIN PANEL:  
BACKGROUND: GREEN  
BORDER: WHITE  
BORDER WIDTH: 1"  
CORNER RADII: 3"
- CARDINAL DIRECTION: WHITE
- MAKE FIRST LETTER OF CARDINAL DIRECTION 20% LARGER MINIMUM. ALL LETTERS ARE BOTTOM JUSTIFIED.
- TOLL SHIELD TM 1 AND LOGO L-5 SPECIAL COLORS:  
ORANGE: 3M COMPANY EC FILM NO. 1174 OR CFX APPROVED EQUAL.
- LOGO L-5 SHALL BE CENTERED WITHIN A 42"x36" WHITE RECTANGLE. THE WHITE RECTANGLE SHALL BE USED IN VERTICAL AND HORIZONTAL PANEL DIMENSIONING.
- GRAPHIC FILES FOR THE TOLL SHIELD AND LOGO CAN BE PROVIDED FOR USE IN FABRICATION UPON REQUEST.
- FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM 1170 CLEAR ON THE CFX DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M COMPANY 1-800-553-1380.
- ALL DIMENSIONS ON SHEET ARE IN INCHES.
- IF A COLOR AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL PROVIDE A 4" X 4" SAMPLE IN ALL COLORS. NO FABRICATION SHALL COMMENCE UNTIL THE SAMPLE HAS BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM CFX.
- ONE REPRESENTATIVE SHOP DRAWING PER CARDINAL DIRECTION MAY BE SUBMITTED PROVIDED THE APPROPRIATE QUANTITY IS SHOWN PER DIRECTION.
- FABRICATOR SHALL USE STATE OUTLINE CONFIGURATION SHOWN IN TOLL SHIELD DETAIL.
- FABRICATOR TO REDUCE CARDINAL DIRECTION COPY SPACING AS NEEDED TO MEET SPECIFIED LENGTHS.
- FABRICATOR SHALL USE STANDARD HORIZIONAL SPACING FOR NUMERALS IN ROUTE SHIELD WHEN POSSIBLE. FABRICATOR SHALL OPTICALLY ADJUST NUMERAL SPACING AS NEEDED TO PREVENT OVERLAP ONTO THE STATE OUTLINE OR SHIELD BORDER.



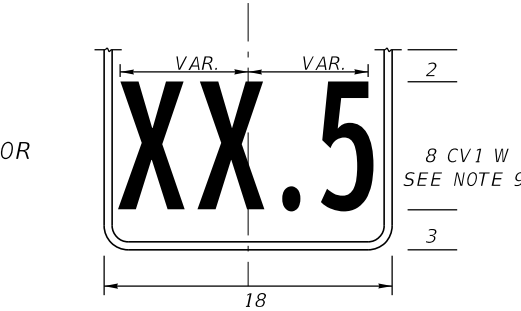
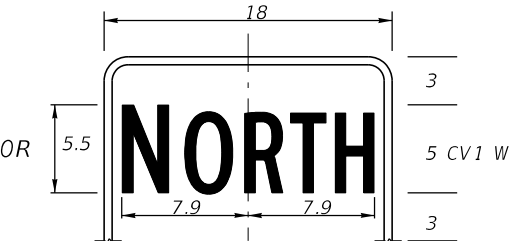
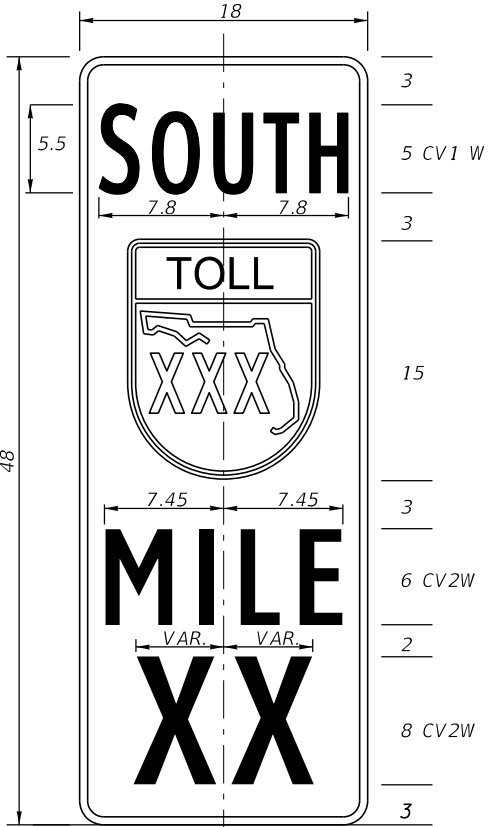
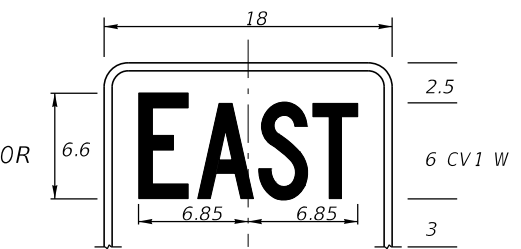
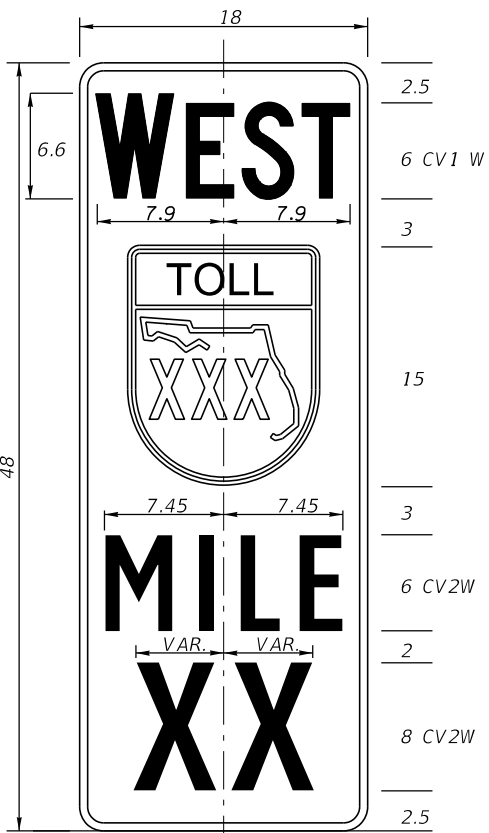
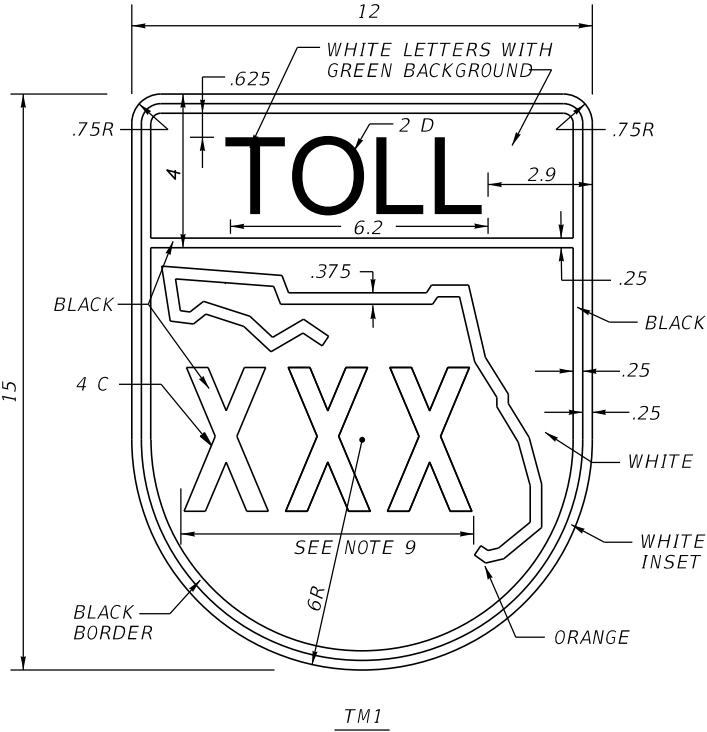
- NOTES TO CONSULTANT:
- INSERT CORRECT ROUTE NUMBER.
  - INSERT PROJECT SPECIFIC SIGN NUMBERS.
  - ONLY SHOW CARDINAL DIRECTIONS AND DATA APPLICABLE TO PROJECT.
  - DELETE THIS BOX AND NOTES PRIOR TO INCLUDING SHEET IN PLANS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SPECIAL DESIGN ROUTE CONFIRMATION MARKERS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
									23

- NOTES:
- MAIN PANEL:  
BACKGROUND: GREEN  
LEGEND AND BORDER: WHITE  
BORDER WIDTH: 0.5"  
CORNER RADII: 1.5"
  - MAKE FIRST LETTER OF CARDINAL DIRECTION 10% LARGER (AS SHOWN).  
ALL LETTERS ARE BOTTOM JUSTIFIED.
  - TOLL SHIELD COLORS:  
BLACK  
WHITE  
GREEN  
ORANGE: 3M COMPANY EC FILM NO. 1174 OR CFX APPROVED EQUAL.
  - FABRICATOR SHALL APPLY AS THE TOP LAYER, 3M COMPANY EC FILM 1170 CLEAR ON THE CFX DESIGNATED ORANGE. INSTALLATION SHALL BE PART OF A 3M MATCHED COMPONENT SYSTEM AND MEET ALL 3M SIGN FABRICATION REQUIREMENTS. CONTACT 3M COMPANY 1-800-553-1380.
  - ALL DIMENSIONS ON SHEET ARE IN INCHES.
  - IF A COLOR AND/OR SHEETING OTHER THAN THOSE NOTED SPECIFICALLY AS 3M COMPANY PRODUCTS ARE TO BE USED, CONTRACTOR SHALL PROVIDE 4" X 4" SAMPLE IN ALL COLORS. NO FABRICATION SHALL COMMENCE UNTIL THE SAMPLE HAS BEEN REVIEWED AND WRITTEN ACCEPTANCE RECEIVED FROM CFX. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
  - OPTICALLY LOCATE MILEPOST NUMERALS IN BOTH FORMATS (XX AND XX.5) ABOUT THE CENTERLINE OF PANEL.
  - FABRICATOR TO ADJUST HORIZONTAL SPACING AS NECESSARY TO FIT. DO NOT OVERLAP ONTO STATE OUTLINE OR SHIELD BORDER.
  - DETAILED SHOP DRAWINGS ARE REQUIRED.
  - FABRICATOR SHALL USE THE STATE OUTLINE CONFIGURATION SHOWN IN THE TOLL SHIELD DETAIL.

SR XXX MILEPOSTS				
M.P. NO.	SHLDR	MEDIAN	PROP. STATION	AS-BUILT STATION
30	X	X	502+10	
30.5	X	X	527+00	
31	X		554+90	

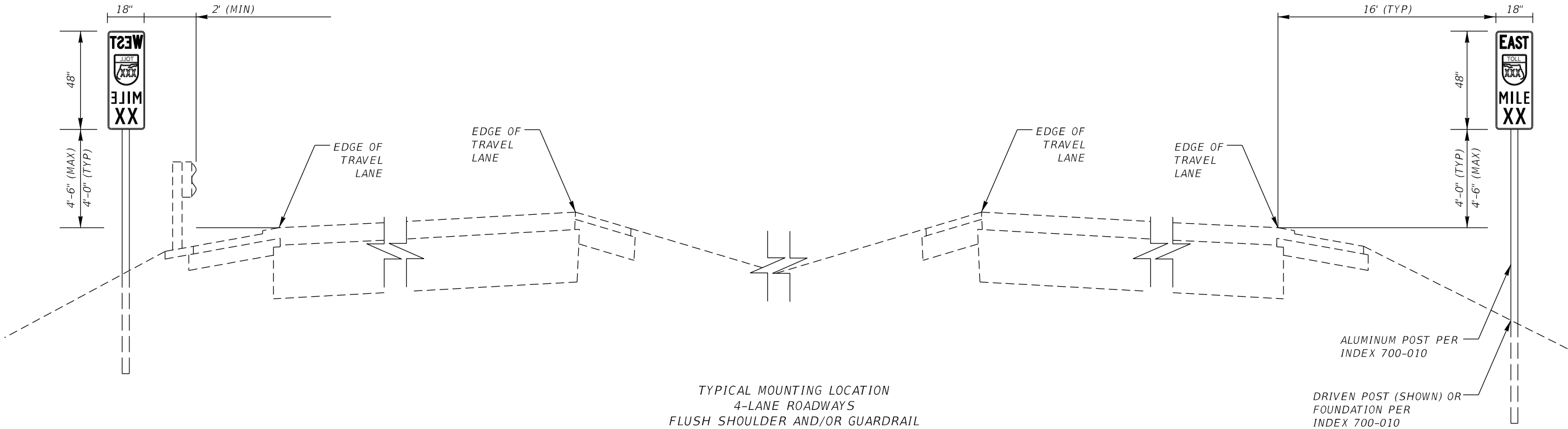
- NOTES TO CONSULTANT:
- INFORMATION SHOWN IN TABLE IS FOR EXAMPLE PURPOSES ONLY. CONSULTANT SHALL REVISE AS NEEDED FOR SPECIFIC PROJECT.
  - ONLY SHOW INFORMATION RELATIVE TO SPECIFIC PROJECT.
  - IF THE LOCATION OF A MILEPOST IN ONE DIRECTION OF TRAVEL MUST BE ADJUSTED FROM THE CALCULATED STATION, THE SAME MILEPOST IN THE OPPOSITE DIRECTION SHALL BE ADJUSTED TO MATCH.
  - DELETE THIS BOX AND NOTES PRIOR TO INCLUDING SHEET IN PLANS.



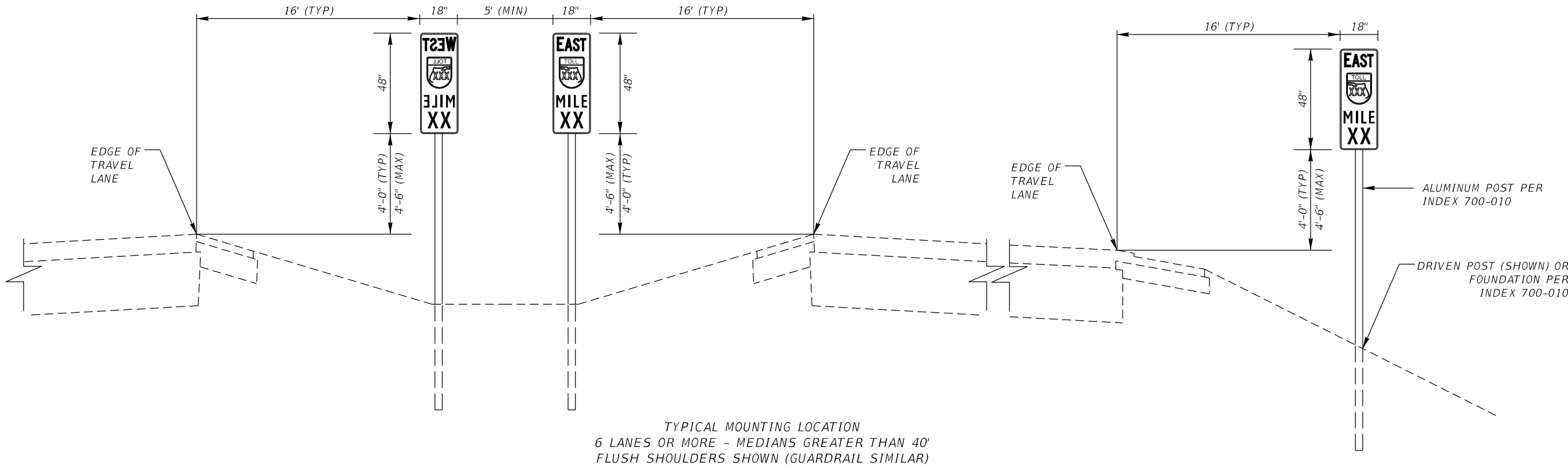
W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A3-05.dgn 5:56:17 PM 2/23/2023 zfincher

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	<i>SPECIAL DESIGN MILEPOST SIGN DETAILS</i>		SHEET NO.  24
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				

2/23/2023 5:56:18 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A3-06.dgn zfincher



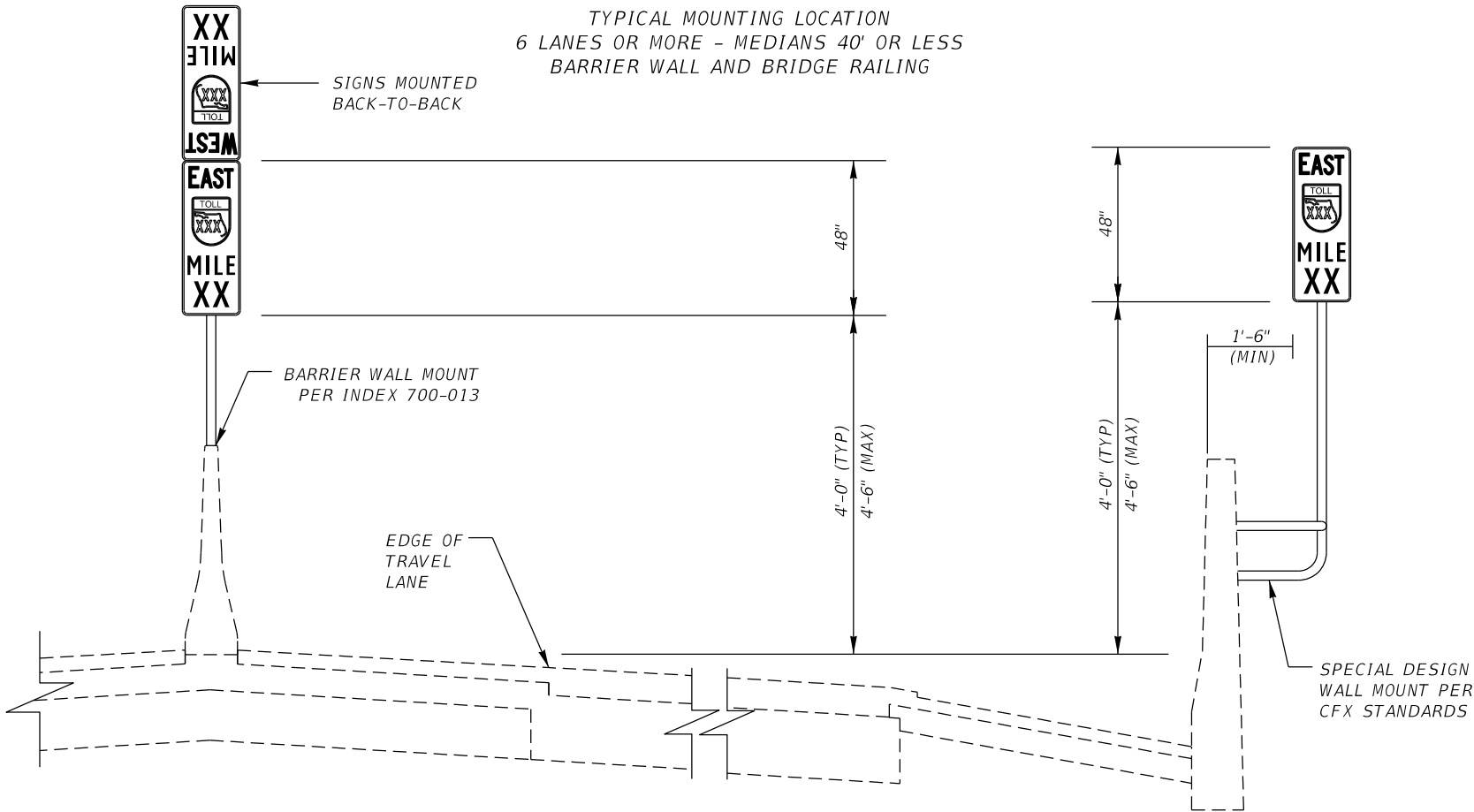
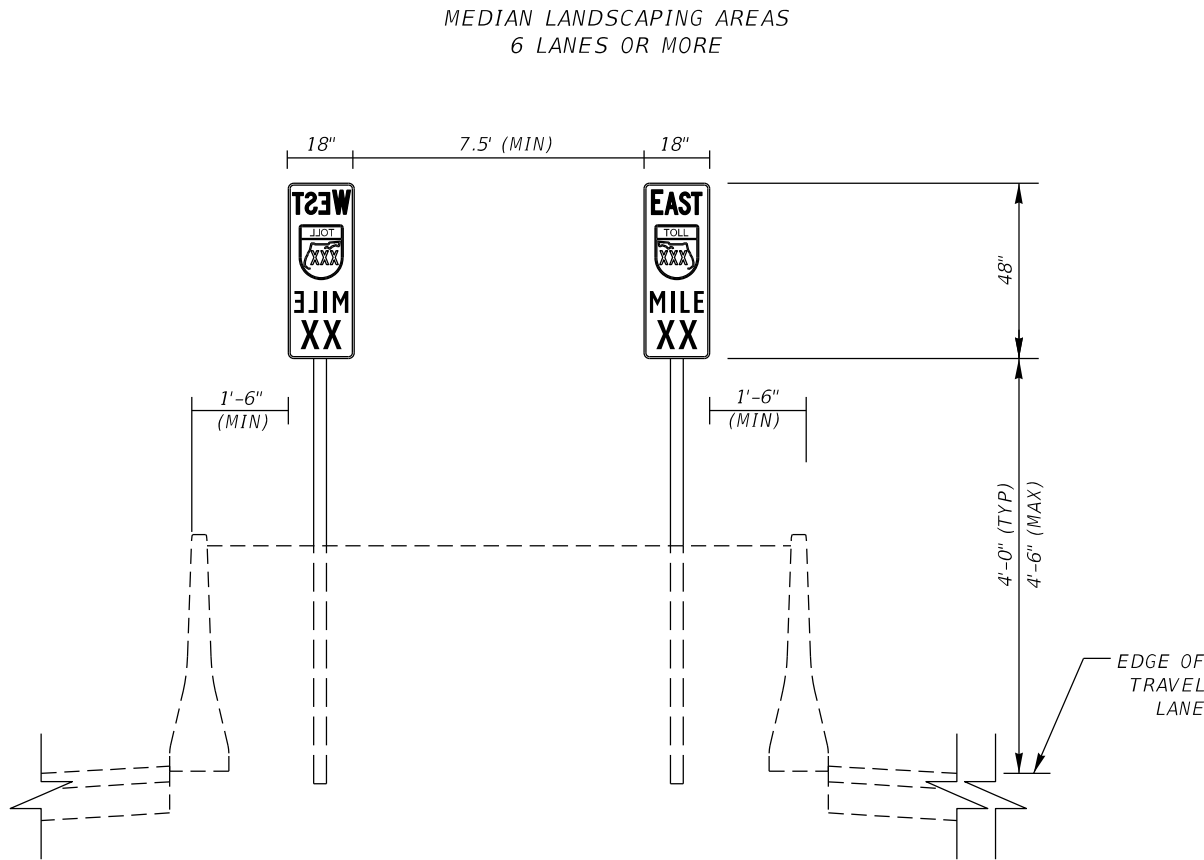
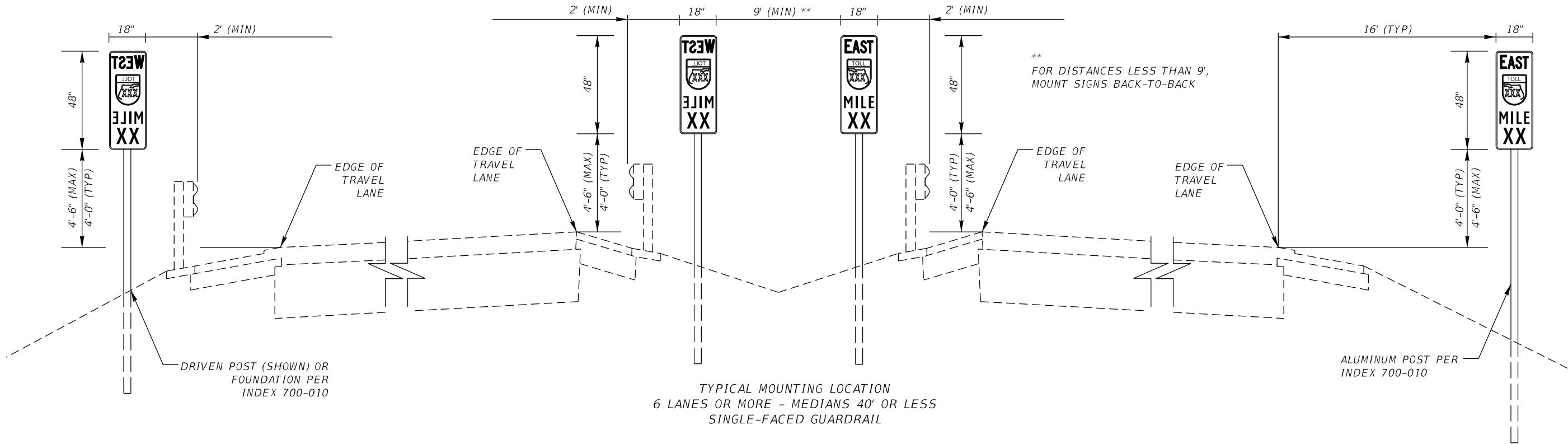
TYPICAL MOUNTING LOCATION  
4-LANE ROADWAYS  
FLUSH SHOULDER AND/OR GUARDRAIL



TYPICAL MOUNTING LOCATION  
6 LANES OR MORE - MEDIANS GREATER THAN 40'  
FLUSH SHOULDERS SHOWN (GUARDRAIL SIMILAR)

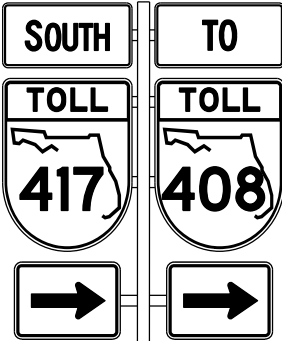
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SPECIAL DESIGN MILEPOST LOCATION AND MOUNTING		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.					
										25	

zfincher 2/23/2023 5:56:18 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A3-07.dgn



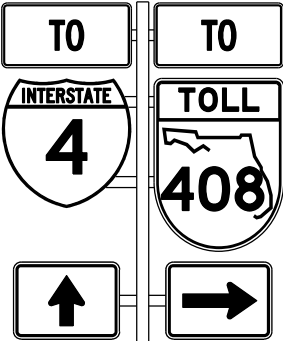
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SPECIAL DESIGN MILEPOST LOCATION AND MOUNTING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
									26

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A3-08.dgn 5:56:18 PM 2/23/2023 zfincher



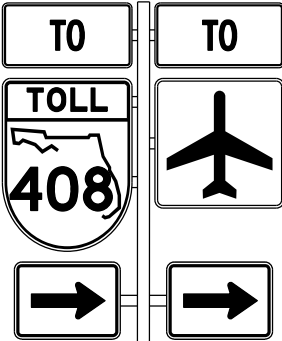
DETAIL A

SEPARATE AUXILIARY PANELS  
REQUIRED WITH EACH  
TOLL SHIELD



DETAIL B

SEPARATE AUXILIARY PANELS  
REQUIRED WITH EACH SHIELD



DETAIL C

LOCATION OF PLAQUES FOR  
GENERAL SERVICE,  
GENERAL INFORMATION, ETC

TOTAL AREA = 30 SF OR LESS

NOTES:

- CONTRACTOR TO INSTALL THE TWO (2) SEPARATE SINGLE POST ASSEMBLIES SUCH THAT THE ASSEMBLIES ARE ALIGNED HORIZONTALLY AND ARE NOT STAGGERED.
- EACH ASSEMBLY TO BE VERTICALLY PLUM.



DETAIL D

SEPARATE SINGLE POST ASSEMBLIES



DETAIL E

SEPARATE SINGLE POST ASSEMBLIES



DETAIL F

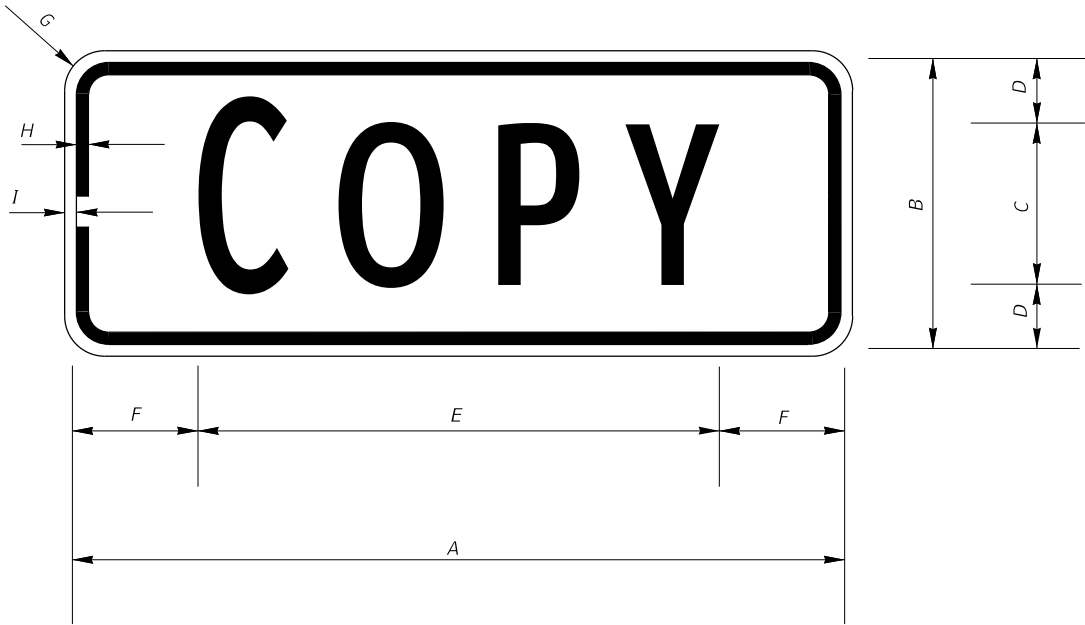
SPECIAL DESIGN SINGLE POST ASSEMBLY

TOTAL AREA = OVER 30 SF

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	TRAILBLAZER MOUNTING DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	PROJECT NO.			27



W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A3-09.dgn 5:56:19 PM 2/23/2023 zfincher



- NOTES TO CONSULTANT:
1. THIS DETAIL IS NOT INCLUSIVE OF ALL POSSIBLE SPECIAL DESIGN AUXILIARY PANELS.
  2. ONLY INCLUDE PANELS SPECIFIC TO PROJECT.
  3. THE AUTHORITY PREFERS TO USE ITS OWN DESIGN FOR AUXILIARY PANELS POSITIONED ABOVE A 36" x 46" ROUTE SHIELD. THE 36" x 18" STANDARD DESIGNS AS SHOWN IN THE 2012 SUPPLEMENT TO THE SHSM MAY ONLY BE USED OVER U.S., STATE OR COUNTY ROUTE SHIELDS WHEN THE ASSEMBLY IS BEYOND THE AUTHORITY'S LA ROW LIMITS. IN CASES WHERE AN AUTHORITY TOLL SHIELD IS TO BE INSTALLED ADJACENT TO A U.S., STATE OR COUNTY SHIELD. ALL TOP MOUNTED AUXILIARY PANELS SHALL MATCH THE AUTHORITY'S PREFERRED DESIGN.
  4. DELETE BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

	CODE	COPY	A	B	C	D	E	F	G	H	I	QTY. REQ'D
	M2-1X	JCT	24	15	9C	3	17.2	3.4	1.5	.625	.375	
	M2-1XX	JCT	36	18	10D	4	23.0	6.5	1.5	.75	.25	
*	M3-1X	NORTH	36	18	9C	4.5	30.0	3.0	1.5	.625	.375	
	M3-1XX	NORTH	48	18	10C	4	34.8	6.6	1.5	.75	.25	
	M3-2X	EAST	36	18	10C	4	25.6	5.2	1.5	.625	.375	
	M3-2XX	EAST	48	18	10D	4	30.8	8.6	1.5	.75	.25	
*	M3-3X	SOUTH	36	18	9C	4.5	30.0	3.0	1.5	.625	.375	
	M3-3XX	SOUTH	48	18	10C	4	34.8	6.6	1.5	.75	.25	
	M3-4X	WEST	36	18	10C	4	27.8	4.1	1.5	.625	.375	
	M3-4XX	WEST	48	18	10D	4	32.4	7.8	1.5	.75	.25	
	M4-5X	T0	36	18	10D	4	14.6	10.7	1.5	.625	.375	
	M4-5XX	T0	48	18	10D	4	14.6	16.7	1.5	.75	.25	

NOTES:

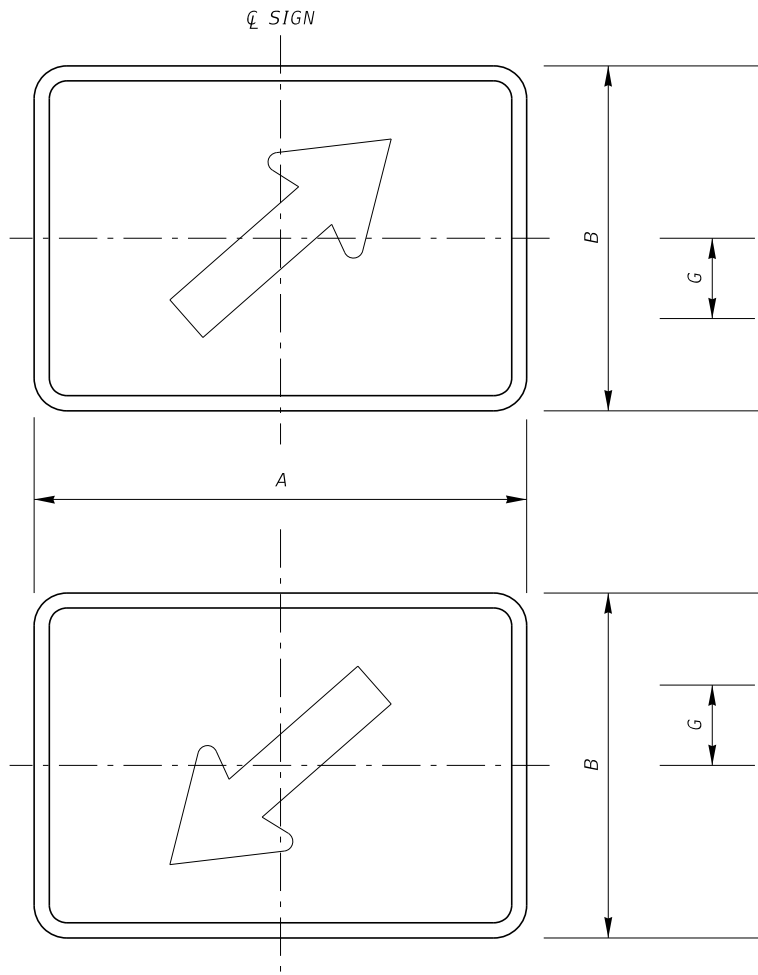
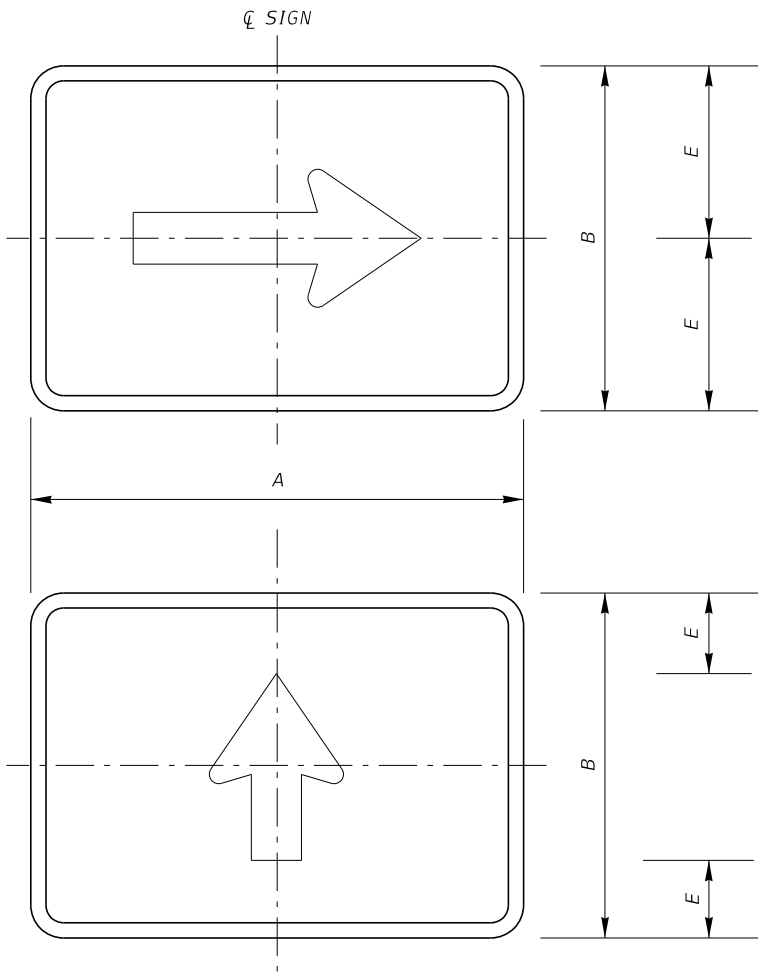
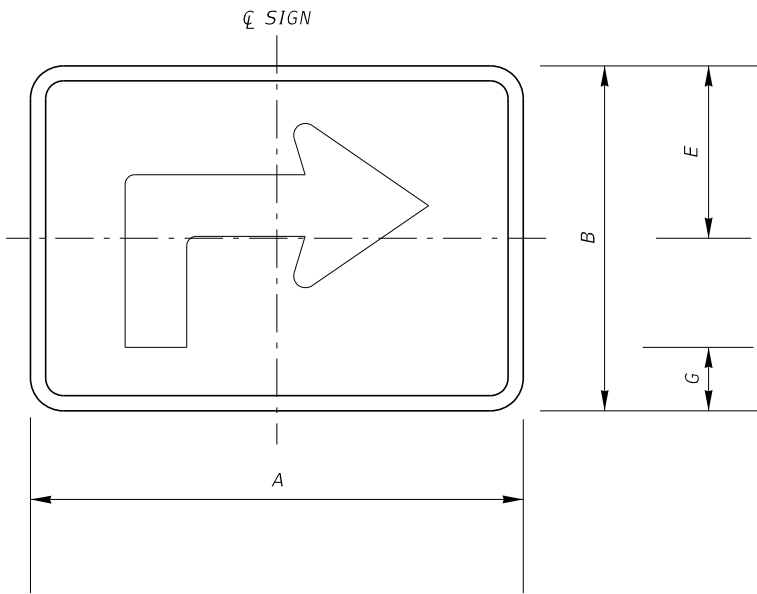
1. ALL DIMENSIONS ARE IN INCHES.
2. AUXILIARY PANELS WITH TOLL SHIELDS:  
BACKGROUND: DG3 WHITE  
LEGEND & BORDER: BLACK.
3. BACKGROUND, LEGEND AND BORDER COLORS SHALL MATCH ASSOCIATED INTERSTATE, STATE OR COUNTY ROUTE SHIELDS.
4. \* REDUCE COPY SPACING TO SPECIFIED OVERALL LENGTH.
5. MAKE FIRST LETTER OF CARDINAL DIRECTION (M3-X, M3-XX) 10% LARGER. ALL LETTERS ARE BOTTOM JUSTIFIED.
6. SHOP DRAWINGS ARE REQUIRED.

AUXILIARY PANELS:

- AUXILIARY PANELS POSITIONED ABOVE THE ROUTE SHIELD (TOLL OR OTHERWISE) SHALL:
- MATCH THE WIDTH OF THE ROUTE SHIELD.
  - REQUIRE SPECIAL DETAIL(S) IN THE WORKSHEETS IF REQUIRED SIZE DOES NOT MATCH STANDARDS AS SHOWN IN THE SHSM.
  - BE DESIGNATED USING THE NATIONAL CODE WITH AN "X" OR AN "XX" ADDED TO THE END (I.E., M2-1X, M2-1XX, ETC.).
- TOP AND BOTTOM AUXILIARY PANEL COLORS SHALL MATCH THE ASSOCIATED ROUTE SHIELD.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	<i>SPECIAL DESIGN AUXILIARY PANELS FOR ROUTE MARKERS</i>		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
										28	

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A3-10.dgn 5:56:26 PM 2/23/2023 zfincher



CODE	COPY	A	B	E	G		QTY. REQ'D
M5-1X	Advance Turn (90°)	36	24	11.688	4.875		
M5-2X	Advance Turn (45°)	36	24	5.125	4.5		
M6-1X	Directional Arrow	36	24	12	--		
M6-2X	Directional Arrow (45° Up)	36	24	--	7.554		
M6-2AX	Directional Arrow (45° Down)	36	24	--	7.554		
M6-3X	Straight Arrow	36	24	5	--		
M6-4X	Dual Directional Arrow	36	24	12	--		
M6-5X	Dual Directional Arrow (45°/135°)	36	24	--	--		
M6-6X	Dual Directional Arrow (Straight/Turn)	36	24	3.875	--		
M6-7X	Dual Directional Arrow (Straight/45°)	36	24	3.875	--		

NOTES:

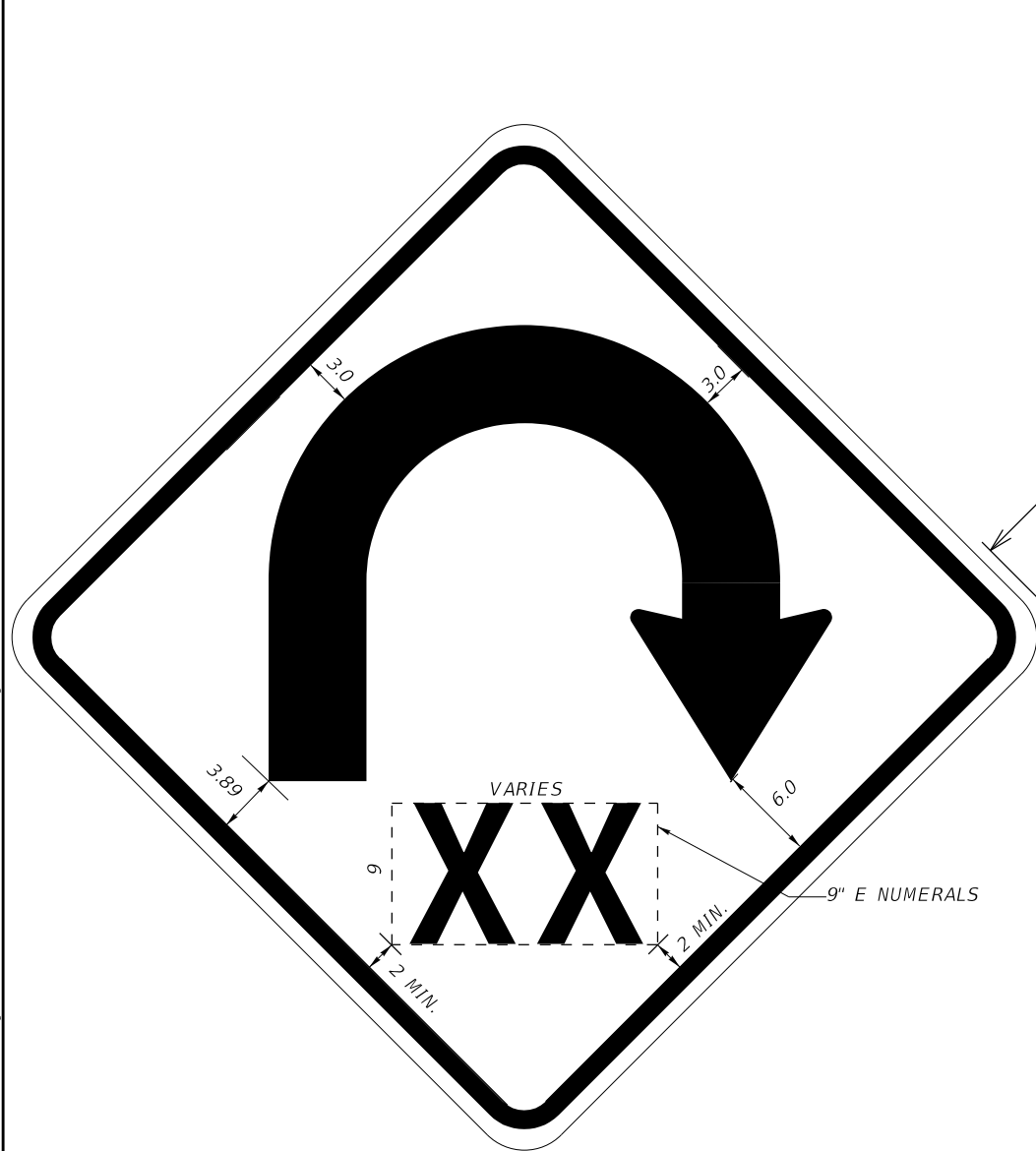
- ALL DIMENSIONS ARE IN INCHES.
- AUXILIARY PANELS WITH TOLL SHIELDS:  
BACKGROUND: DG3 WHITE  
LEGEND & BORDER: BLACK.
- BACKGROUND, LEGEND AND BORDER COLORS  
SHALL MATCH ASSOCIATED INTERSTATE, STATE  
OR COUNTY ROUTE SHIELDS.
- FABRICATOR SHALL OPTICALLY CENTER (HORIZONTAL  
AND VERTICAL) THE ARROW WITHIN THE SIGN PANEL
- ALL DIMENSIONS ARE TO MATCH THE DETAILS  
SHOWN IN THE STANDARD HIGHWAY SIGNS MANUAL  
UNLESS OTHERWISE SHOWN ON THIS SHEET
- SHOP DRAWINGS ARE REQUIRED.
- ALL AUXILLIARY PANELS SHALL BE 3M COMPANY  
DIAMOND GRADE CUBED (DG3) REFLECTIVE SHEETING  
OR CFX APPROVED EQUAL. SEE GENERAL NOTES  
FOR ADDITIONAL REQUIREMENTS.

NOTES TO CONSULTANT:

- THIS DETAIL IS NOT INCLUSIVE OF ALL POSSIBLE SPECIAL DESIGN  
AUXILIARY PANELS.
- ONLY INCLUDE PANELS SPECIFIC TO PROJECT.
- DELETE BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.
- THIS DETAIL IS FOR USE ONLY WITH 36" WIDE ROUTE SHIELDS

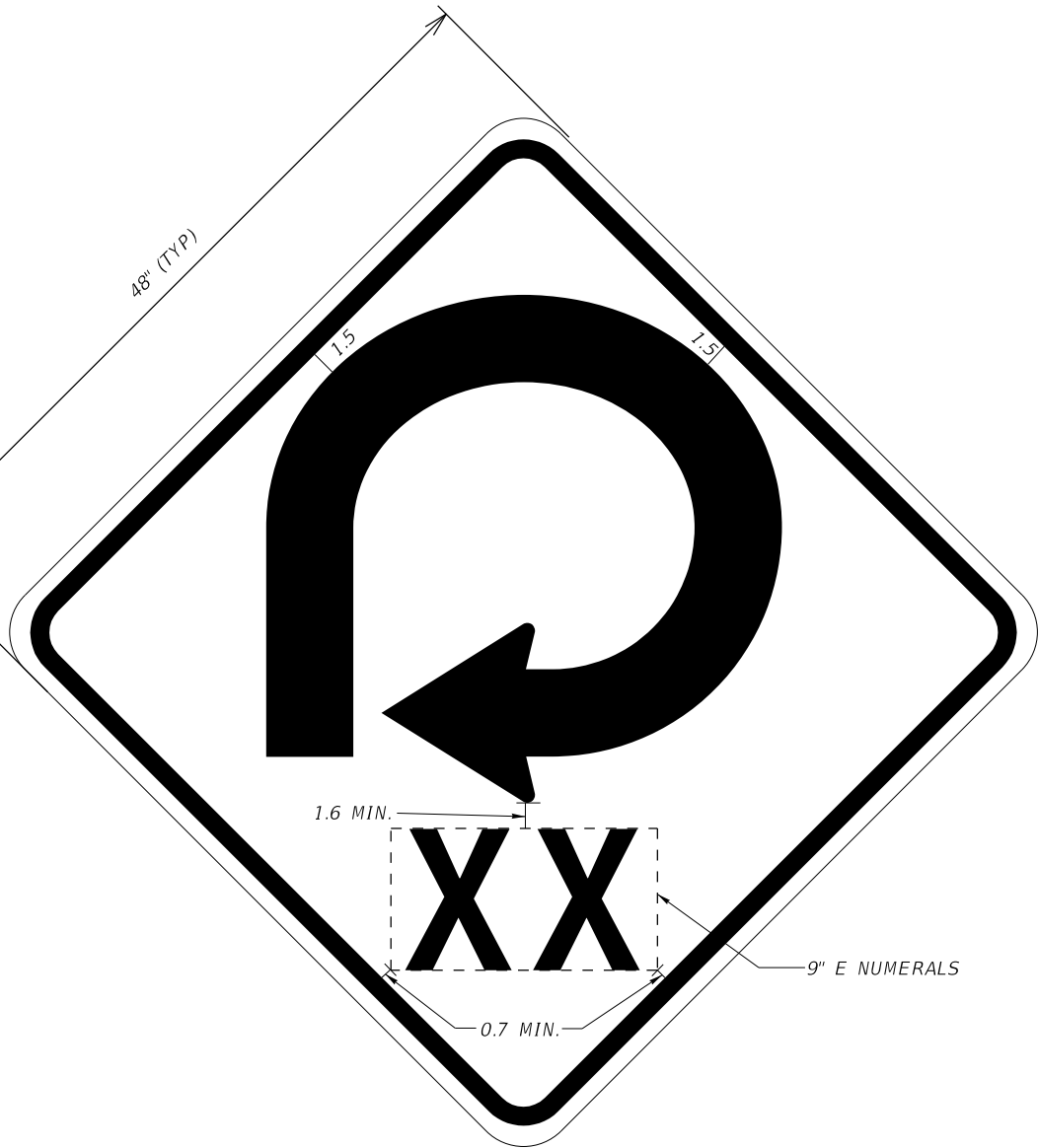
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	<i>SPECIAL DESIGN AUXILIARY PANELS FOR ROUTE MARKERS</i>		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				29	

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A3-11.dgn 5:56:26 PM 2/23/2023 zfincher



SIGN W1-11A  
48" x 48"

FOR USE AT PARTIAL CLOVERLEAF RAMPS



SIGN W1-15A  
48" x 48"

FOR USE AT LOOP RAMPS

NOTES TO CONSULTANT:

1. APPROPRIATE SPEED LIMIT(S) SHALL BE SHOWN. USE TABULAR FORMAT (ON THIS SHEET) IF MULTIPLE SPEED LIMITS NEEDED IN PROJECT.
2. DELETE BOXES WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.
3. CONSULTANT TO PROVIDE ACTUAL LAYOUT AND DIMENSIONS FOR EACH "XX" SPEED SHOWN ON THE PLANS.

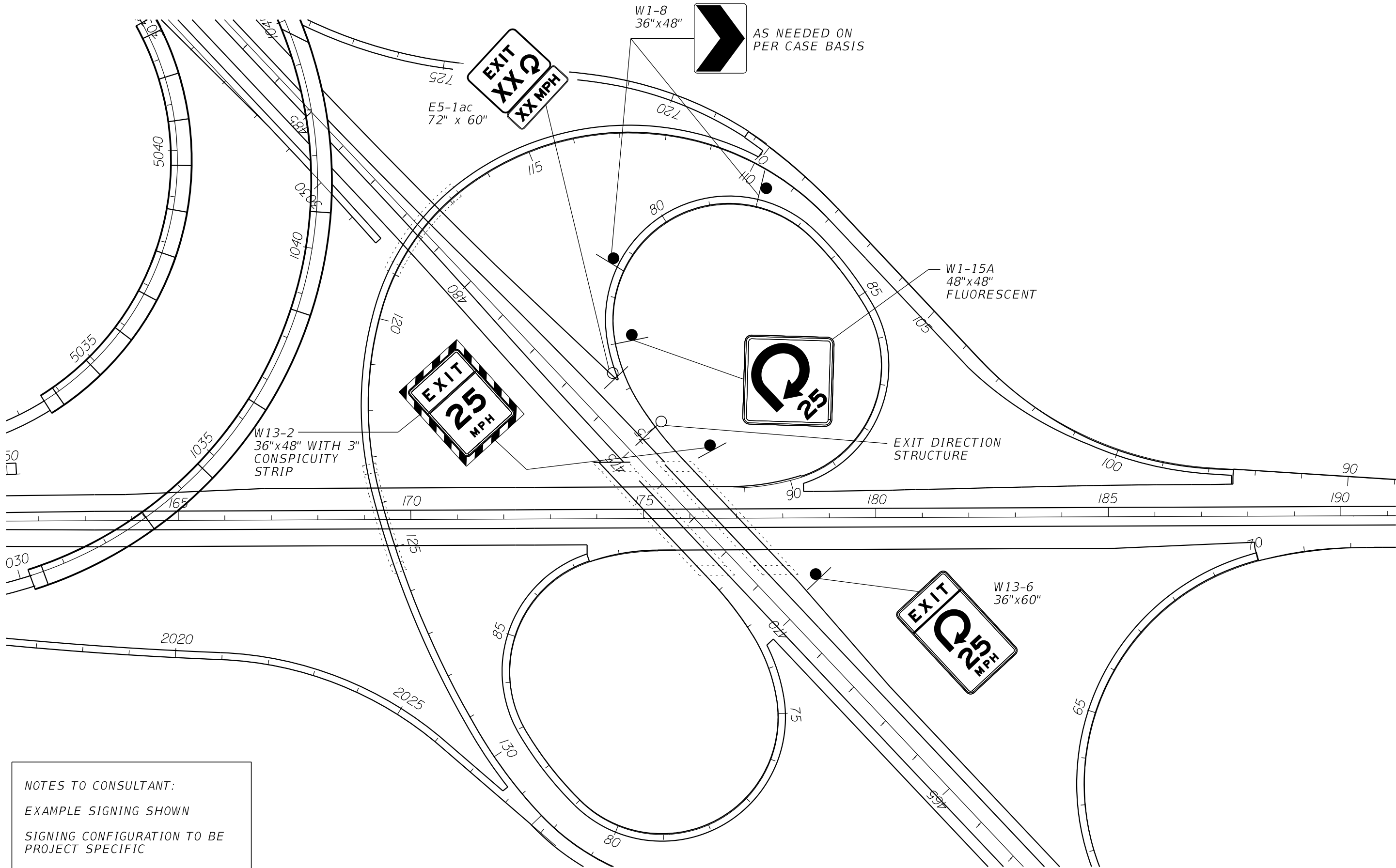
NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. SHOP DRAWINGS ARE REQUIRED.
3. BACKGROUND: FLUORESCENT YELLOW
4. COPY AND BORDER: BLACK
5. BORDER INSET: 0.75 INCHES.
6. BORDER WIDTH: 1.25 INCHES.
7. CORNER RADII: 3.00 INCHES.
8. USE ARROW DESIGNS FROM STANDARD PANELS W1-11 AND W1-15 AS FOUND IN THE FHWA STANDARD HIGHWAY SIGNS.
9. OPTICALLY LOCATE NUMERALS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	CURVE WARNING SIGNS SIGNS W1-11A, W1-15A		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				30	

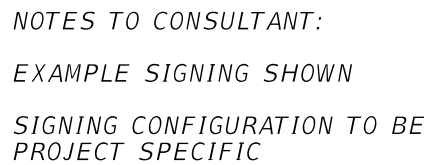


W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A3-13.dgn 5:56:28 PM 2/23/2023 zfincher



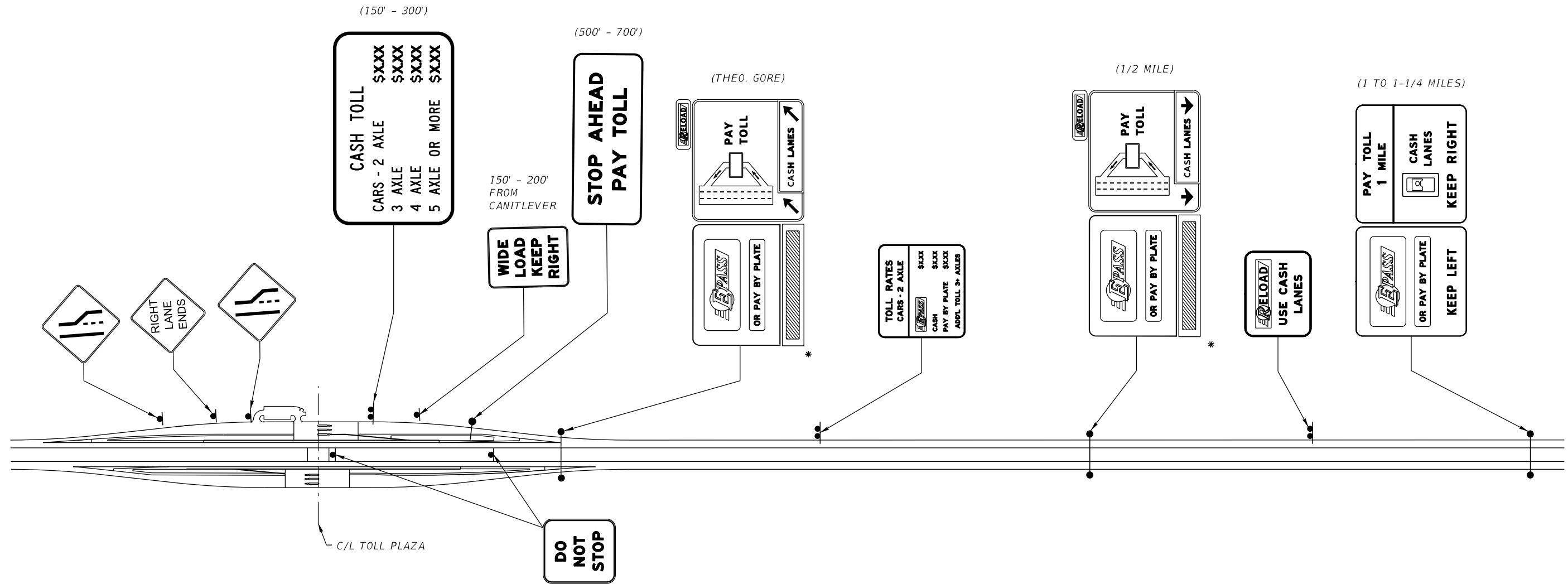
NOTES TO CONSULTANT:  
EXAMPLE SIGNING SHOWN  
SIGNING CONFIGURATION TO BE  
PROJECT SPECIFIC

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	LOOP EXIT RAMP TYPICAL SIGNING		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.					
										32	



REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS	<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	PARTIAL CLOVERLEAF RAMP TYPICAL SIGNING	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.

2/24/2023 12:36:47 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-01.dgn zfincher



NOTES:

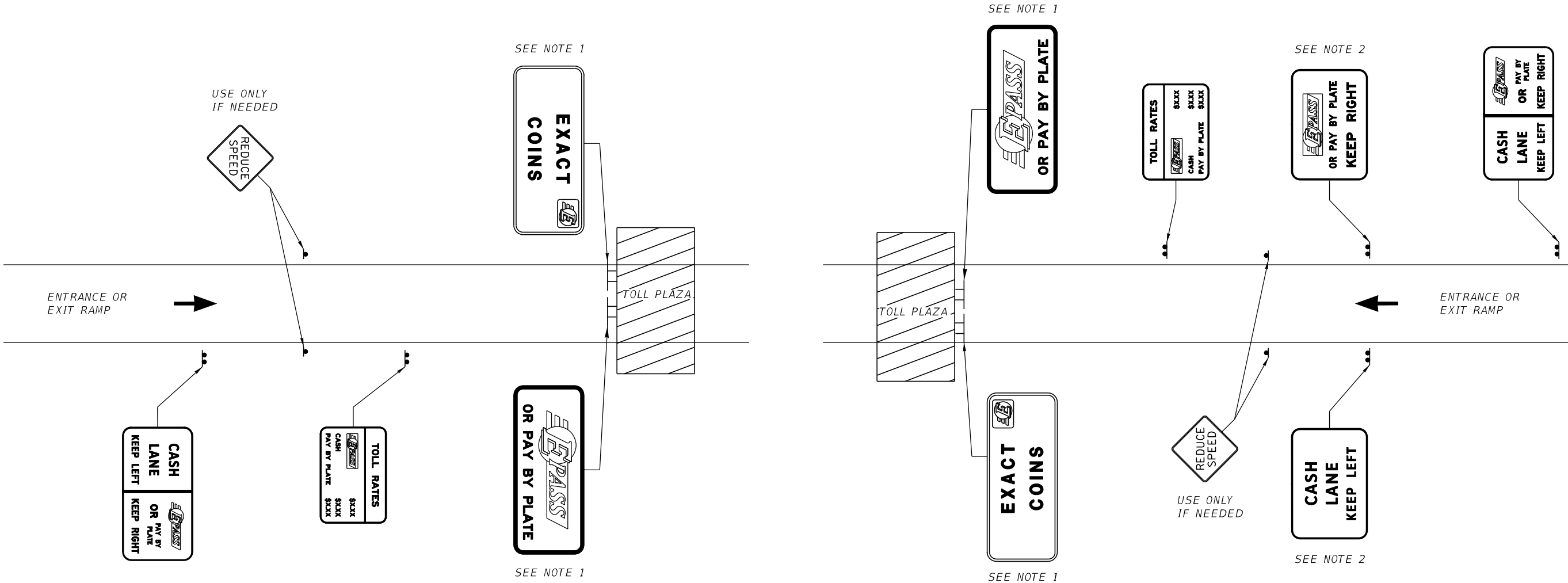
1. LOCATION OF ADVANCED SIGNS ON MAINLINE MEASURED FROM THE CENTERLINE OF THE TOLL PLAZA.
2. \* PANELS ARE IN TWO PIECES:  
ONE STATIC PANEL  
ONE SINGLE LINE DMS BOX
3. THE GORE STRUCTURE LOCATION WILL BE FIXED BY THE THEORETICAL GORE. ALL OTHER SIGN ASSEMBLY LOCATIONS ARE APPROXIMATE AND DEPENDENT ON ACTUAL GEOMETRY.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TYPICAL MAINLINE PLAZA SIGNING		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				34	

zfincher 2/23/2023 5:56:29 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-02.dgn

NOTES:

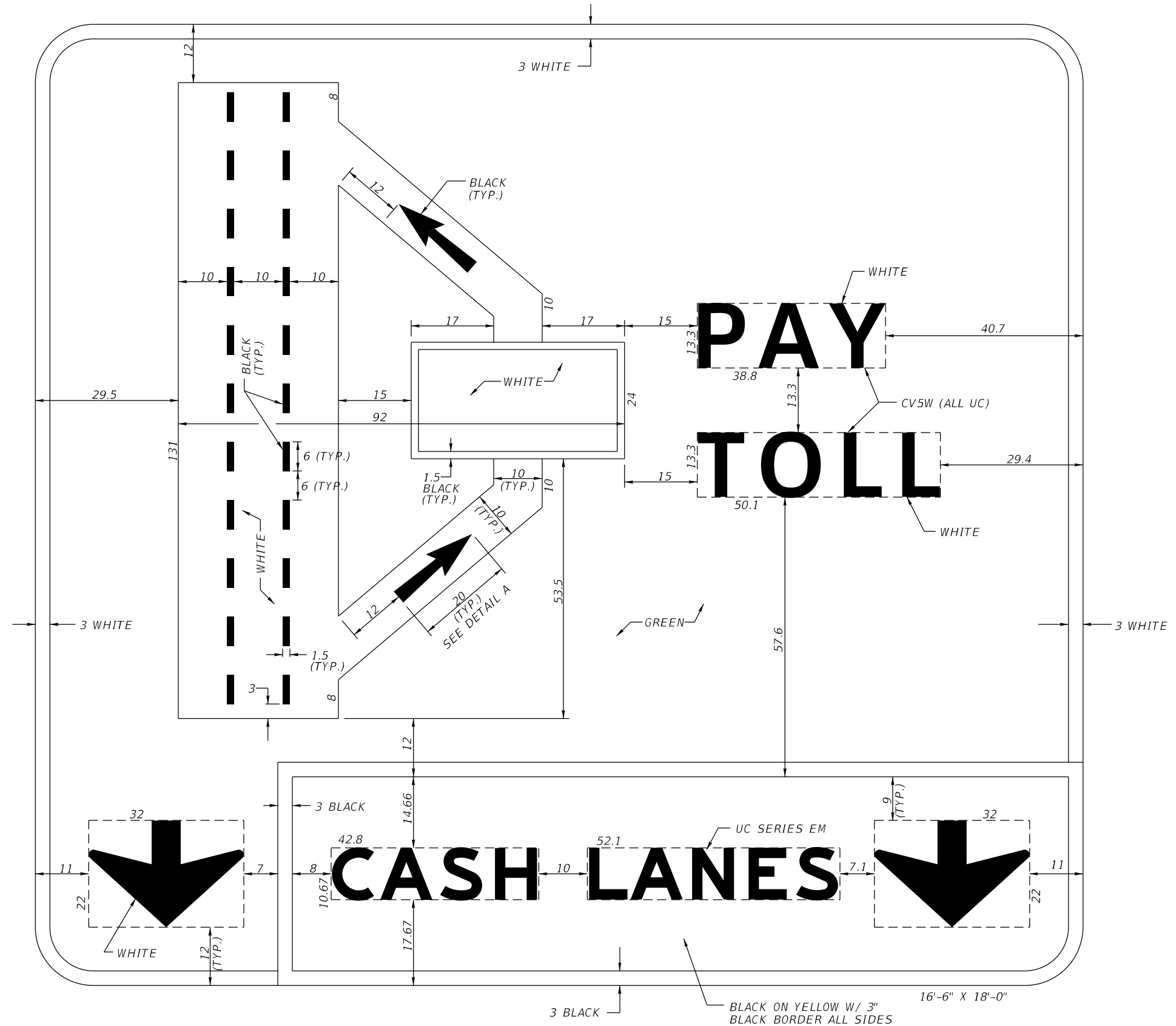
1. AS DIRECTED BY CFX, SIGN PANELS MAY BE: TRUSS OR CANOPY MOUNTED.
2. USE ONLY WHEN DIRECTED BY CFX OR WHEN SHOWN ON THE CSP DUE TO LIMITED SIGHT DISTANCE TO THE RAMP PLAZA.
3. ➡ INDICATES DIRECTION OF TRAVEL.



REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TYPICAL TWO-LANE RAMP ADVANCE SIGNING		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION							35	



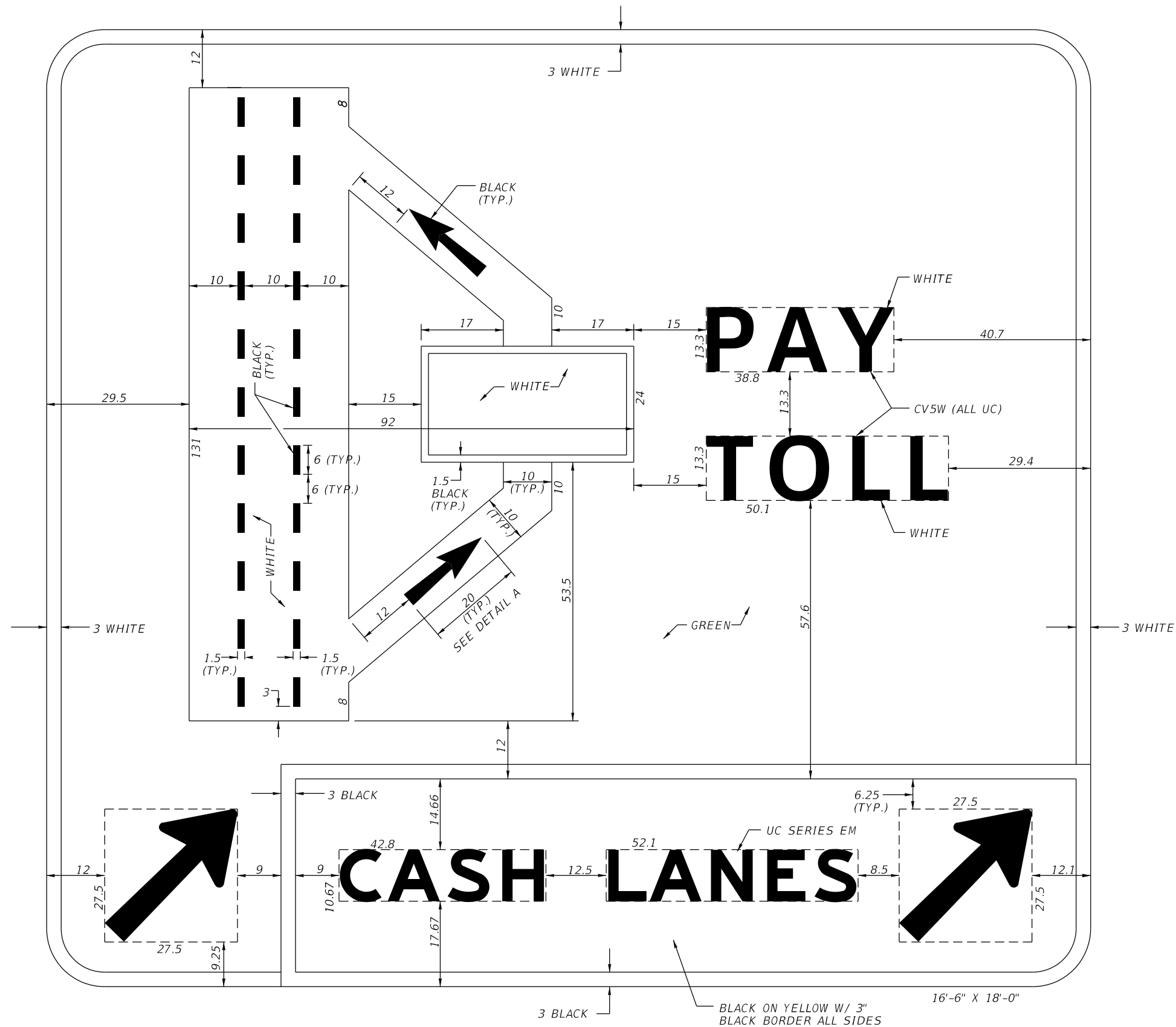
1. *USE SPECIFIC LANE CONFIGURATION DETAIL THAT MATCHES GEOMETRIC CONDITIONS. SEE SHEET 36.*
2. *DELETE THIS BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.*




1. SPACING BETWEEN BLACK LETTERS ON YELLOW BACKGROUND HAS BEEN INCREASED 10% FOR IMPROVED LEGIBILITY.
2. CORNER RADII: 12"
3. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

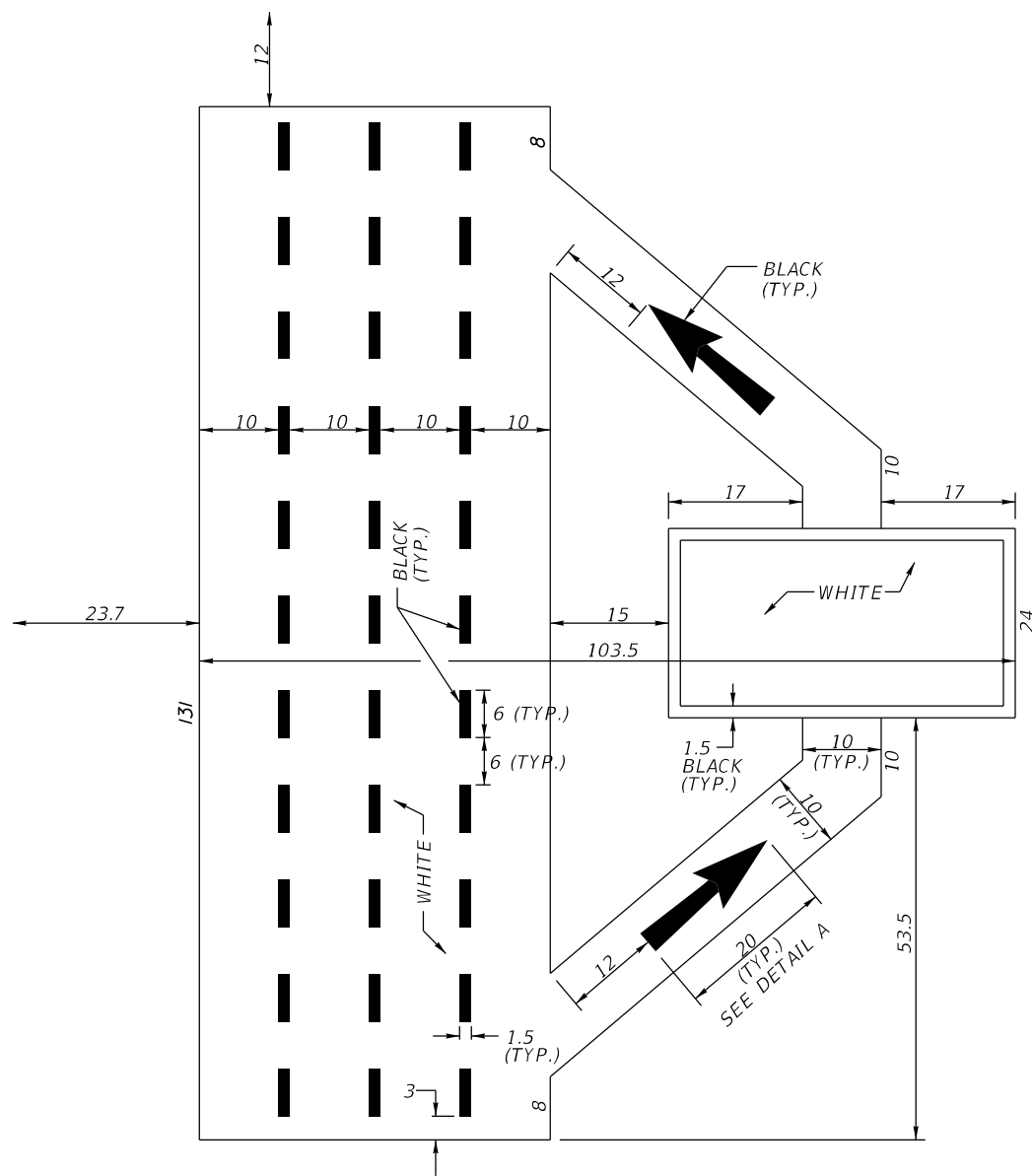
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	GUIDE SIGN WORKSHEET  MAINLINE PLAZA (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

1. *USE SPECIFIC LANE CONFIGURATION DETAIL THAT MATCHES GEOMETRIC CONDITIONS. SEE SHEET 36.*
2. *DELETE THIS BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.*



1. SPACING BETWEEN BLACK LETTERS ON YELLOW BACKGROUND HAS BEEN INCREASED 10% FOR IMPROVED LEGIBILITY.
2. CORNER RADII: 12"
3. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		GUIDE SIGN WORKSHEET  MAINLINE PLAZA (2)	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.



REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	GUIDE SIGN WORKSHEET  MAINLINE PLAZA (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

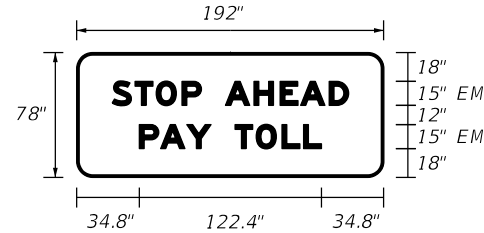


SIGN NUMBER	204
QUANTITY	
WIDTH	16'-0" (192")
HEIGHT	6'-6" (78")
BORDER WIDTH	2"
BORDER RADIUS	10"
BORDER INSET	N/A
BACKGROUND COLOR	Yellow
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

LETTER SPACING HAS BEEN INCREASED  
BY 10%.

*MOUNTING: OVERHEAD CANTILEVER (OC-X)*



USE: TOLL PLAZA APPROACH SIGNING

EXAMPLES:  
STOP AHEAD PAY TOLL - CANTILEVER SIGN  
REDUCE SPEED - SINGLE POST SIGN

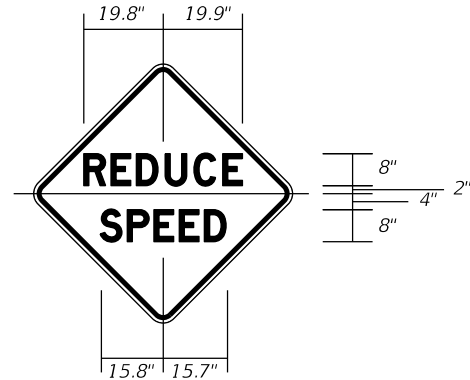
[illegible]

SIGN NUMBER	205
QUANTITY	
WIDTH	4'-0" (48")
HEIGHT	4'-0" (48")
BORDER WIDTH	1.25"
BORDER RADII	3"
BORDER INSET	0.75"
BACKGROUND COLOR	Yellow
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

LETTER SPACING HAS BEEN INCREASED  
BY 10%.

MOUNTING: GROUND MOUNT (GM-X)

[illegible]

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

SIGN NUMBER	
QUANTITY	
WIDTH	
HEIGHT	
BORDER WIDTH	
BORDER RADII	
BORDER INSET	
BACKGROUND COLOR	
LEGEND & BORDER COLOR	
SHEETING	

NOTES:

INTENTIONALLY LEFT BLANK

[illegible]

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

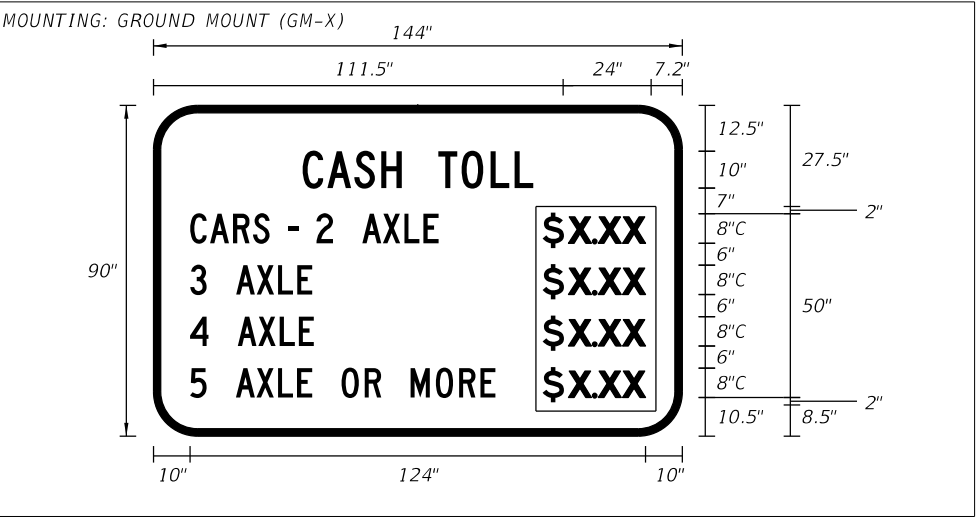
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div style="border: 2px solid black; padding: 5px; text-align: center;"> <b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b> </div>	<i>GUIDE SIGN WORKSHEET</i>  <i>SIGNS 204, 205</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.			40

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-12.dgn 5:56:31 PM 2/23/2023 zfincher

SIGN NUMBER	206
QUANTITY	
WIDTH	12'-0" (144")
HEIGHT	7'-6" (90")
BORDER WIDTH	2"
BORDER RADII	11"
BORDER INSET	N/A
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	D63

NOTES:

NUMERAL SPACING TO BE ADJUSTED  
SUCH THAT PERIODS AND COLUMNS  
OF NUMERALS LINE UP VERTICALLY

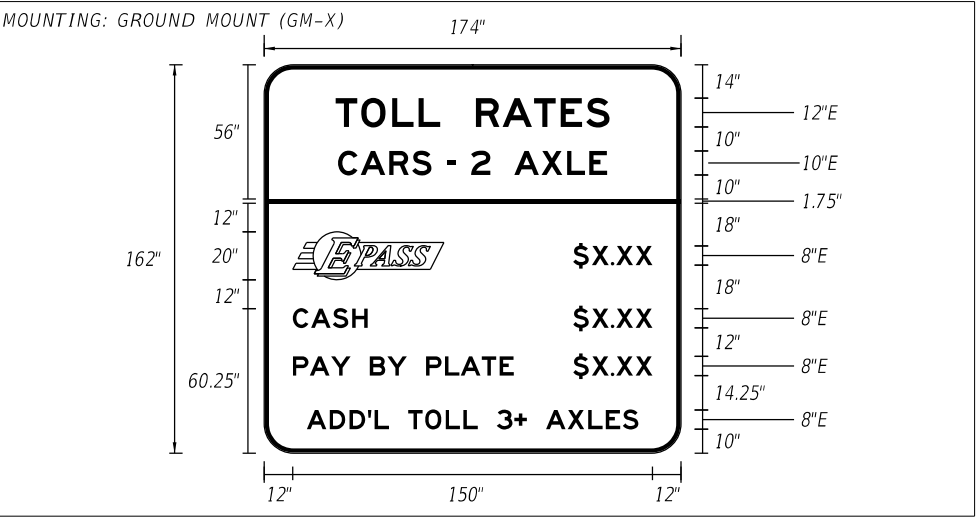


COPY		C	A	S	H		T	O	L	L										L	
SPACE	23	26.8				12.5	58.7				23									98	
COPY		C	A	R	S		-		2		A	X	L	E		\$	X	.	X	X	L
SPACE	10	23.4				5	6	5	4.1	8	21.8				**	**				10	124
COPY		3		A	X	L	E		\$	X	.	X	X							L	
SPACE	10	4.1	8	21.8				**	**				10							124	
COPY		4		A	X	L	E		\$	X	.	X	X						L		
SPACE	10	4.8	8	21.8				**	**				10						124		
COPY		5		A	X	L	E		O	R		M	O	R	E						
SPACE	10	4	8	21.8				8	12.2		8	25.3				**					
COPY	\$	X	.	X	X														L		
SPACE		**				10													124		

SIGN NUMBER	207
QUANTITY	
WIDTH	14'-6" (174")
HEIGHT	13'-6" (162")
BORDER WIDTH	1.75"
BORDER RADII	12"
BORDER INSET	0.25"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	D63

NOTES:

EPASS LOGO EP-10R  
SEE EPASS LOGOS SHEETS



COPY		T	O	L	L		R	A	T	E	S									L	
SPACE	29.8	43.6				15	55.7				29.9									114.3	
COPY		C	A	R	S		-		2		A	X	L	E						L	
SPACE	30.8	39				6.5	3.5	6.5	8.1	10	38.7				30.9						112.3
COPY		<del>43.6</del>		\$	X	.	X	X												L	
SPACE	12	63.2	**	**				12												150	
COPY		C	A	S	H		\$	X	.	X	X									L	
SPACE	12	31.2				**	**				12									150	
COPY		P	A	Y		B	Y		P	L	A	T	E		\$	X	.	X	X	L	
SPACE	12	24.1			8	15.5		8	36.6				**	**				12			150
COPY		A	D	D	'	L		T	O	L	L		3	+		A	X	L	E	S	L
SPACE	17.8	34.2					8	29				8	12.5		8	38.6				17.9	138.3

TOLL RATE DETAIL

€ € € € €

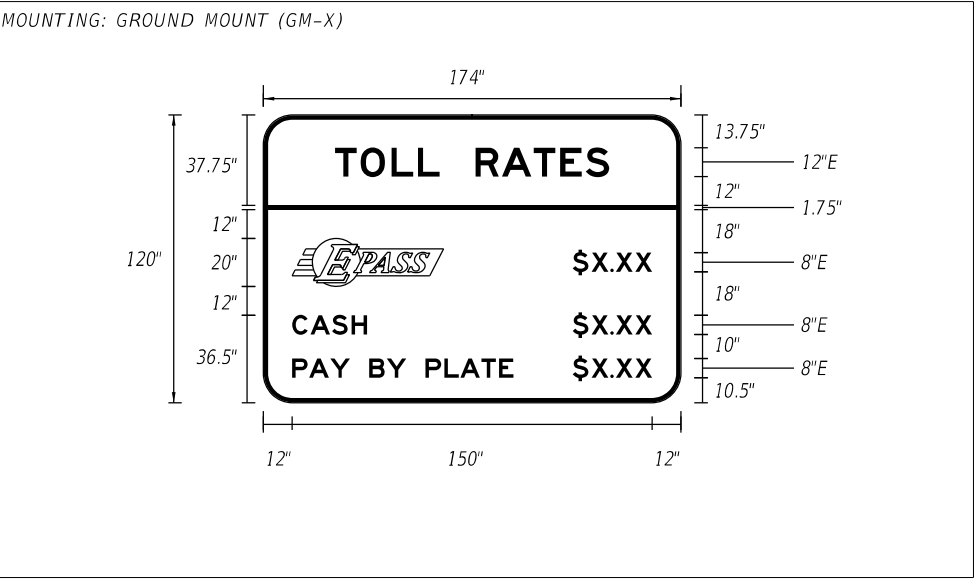
\$X.XX  
\$X.XX  
\$X.XX  
\$X.XX


\*\* NUMERAL SPACING TO BE ADJUSTED  
SUCH THAT PERIODS AND COLUMNS  
OF NUMERALS LINE UP VERTICALLY

SIGN NUMBER	208
QUANTITY	
WIDTH	14'-6" (174")
HEIGHT	10'-0" (120")
BORDER WIDTH	1.75"
BORDER RADII	12"
BORDER INSET	0.25"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	D63

NOTES:

EPASS LOGO EP-10R  
SEE EPASS LOGOS SHEETS



COPY		T	O	L	L		R	A	T	E	S									L
SPACE	29.8	43.6				15	55.7				29.9									114.3
COPY				\$	X	.	X	X												L
SPACE	12	63.2	**	**				12												150
COPY		C	A	S	H		\$	X	.	X	X									L
SPACE	12	31.2				**	**				12									150
COPY		P	A	Y		B	Y		P	L	A	T	E		\$	X	.	X	X	L
SPACE	12	24.1			8	15.5		8	36.6				**	**				12		150

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.  
END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN, AND BORDER RECESS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999				SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY		GUIDE SIGN WORKSHEET SIGNS 206 - 208				SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION													41	



NOTES:

LETTER SPACING HAS BEEN INCREASED  
BY 10%.

Diagram of a "WIDE LOAD KEEP RIGHT" sign. The sign is rectangular with a black border and contains the text "WIDE LOAD KEEP RIGHT" in bold, black, sans-serif capital letters. The overall dimensions are 36" wide and 48" high. The sign is divided into three horizontal sections: a top section (6" high), a middle section (4" high), and a bottom section (6" high). The text "WIDE" is in the top section, "LOAD" is in the middle section, and "KEEP RIGHT" is in the bottom section. The sign is mounted on a wall. The mounting dimensions are shown: the sign is 26" wide, with 5" of space on either side. The mounting height is 6" from the top, 4" from the middle, 6" from the bottom, and 4" from the bottom edge of the sign.

EXAMPLES:  
WIDE LOAD KEEP RIGHT SIGN  
DO NOT STOP SIGNS

DO NOT STOP SIGNS:  
48" x 54" WHEN GROUND MOUNTED.  
36" x 48" WHEN MOUNTED TO THE TOP OF A MEDIAN BARRIER WALL.

NOTES:

LETTER SPACING HAS BEEN INCREASED  
BY 10%.

Technical drawing of a "DO NOT STOP" sign. The sign is rectangular with a black border and the text "DO NOT STOP" in bold black letters. Dimensions and offsets are indicated:

- Overall width: 36"
- Overall height: 48"
- Top offset: 7.5" EM
- Bottom offset: 7.5" EM
- Left offset: 4.8"
- Right offset: 4.7"
- Text height: 6"
- Text width: 26.5"

NOTES:

LETTER SPACING HAS BEEN INCREASED  
BY 10%.

A diagram of a square sign with rounded corners. The sign has a black border and the text "DO NOT STOP" in bold, black, sans-serif capital letters. The dimensions are as follows:

- Overall width: 48"
- Overall height: 54"
- Top border: 9"
- Bottom border: 9"
- Left border: 8.9"
- Right border: 8.8"
- Inner square width: 30.3"
- Inner square height: 30.3"
- Text "DO" is centered in the top portion of the inner square.
- Text "NOT" is centered in the middle of the inner square.
- Text "STOP" is centered in the bottom portion of the inner square.

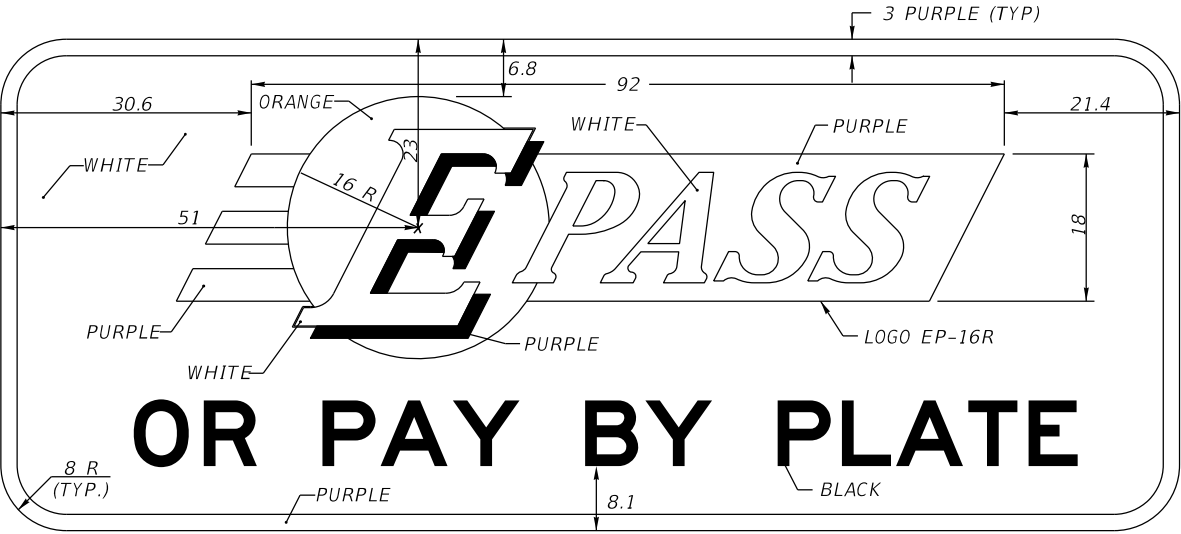
[illegible]

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

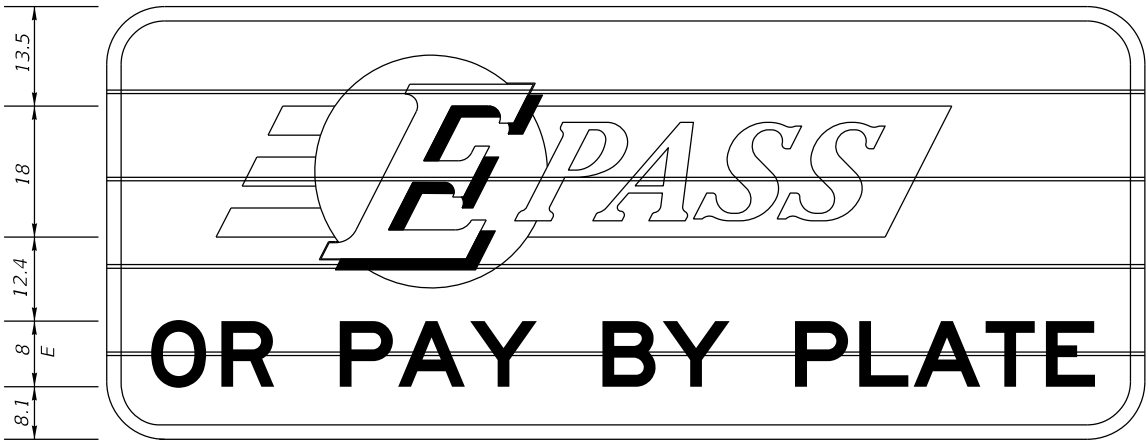
2/23/2023 5:56:31 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A6-15.dgn zfincher



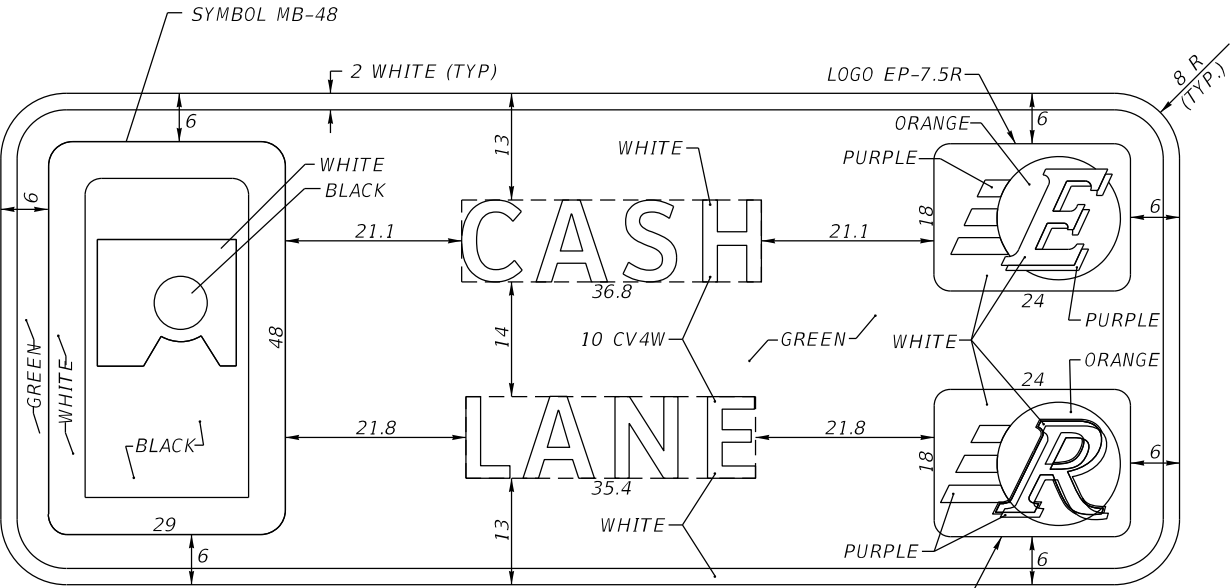
W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-17.dgn 5:48:18 PM 3/6/2023 zfincher



SIDE ONE DETAIL

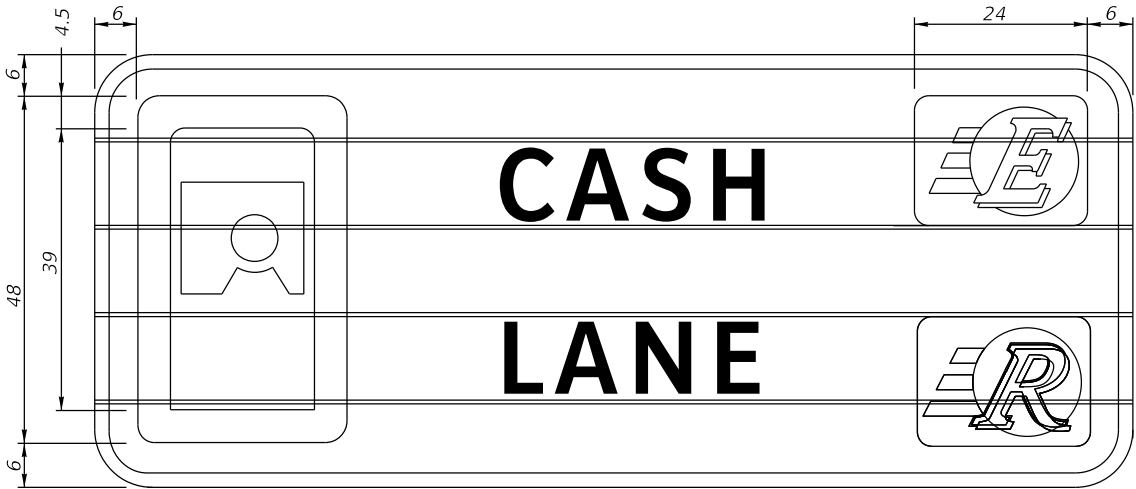


SIGN 301  
SIDE ONE MESSAGE



SIDE TWO DETAIL

12'-0" X 5'-0" (TYP)

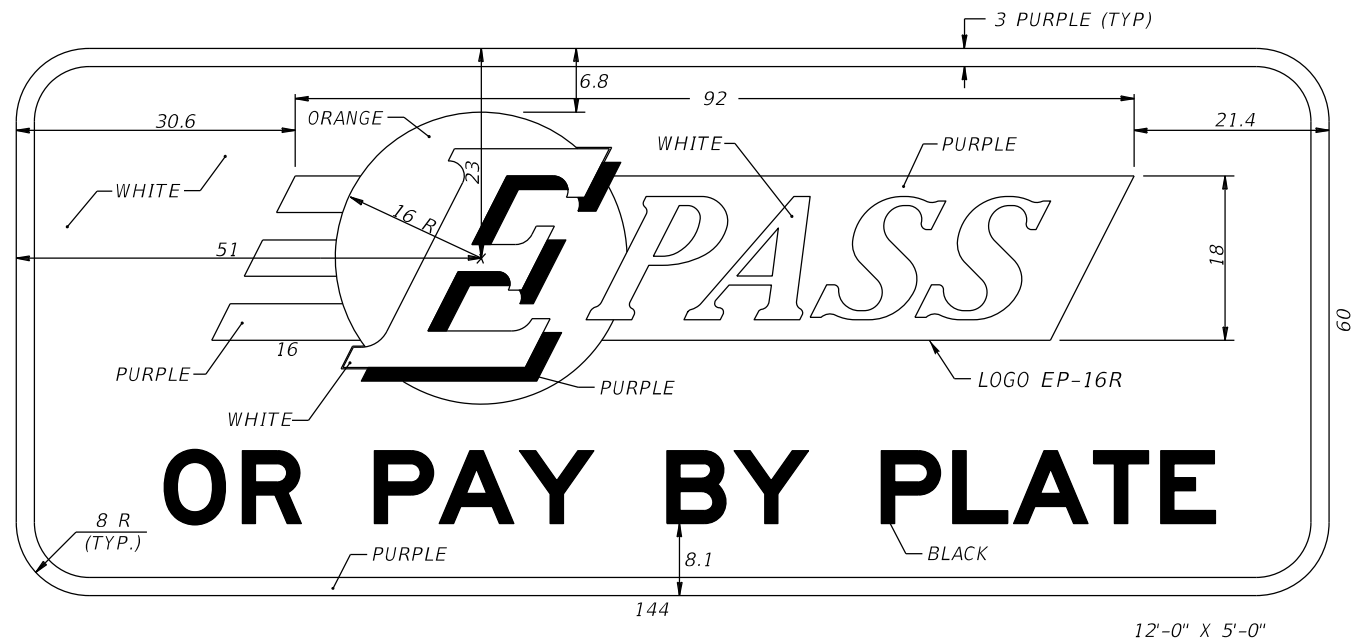


SIGN 301  
SIDE TWO MESSAGE

- NOTES TO CONSULTANT:
1. DETAILS ON THIS SHEET SHALL BE USED FOR OVERLAYS OF EXISTING ROTATING CMS SIGNS.
  2. INSERT CROSS REFERENCE SHEET NUMBER INTO NOTE 2.
  3. DELETE THIS BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

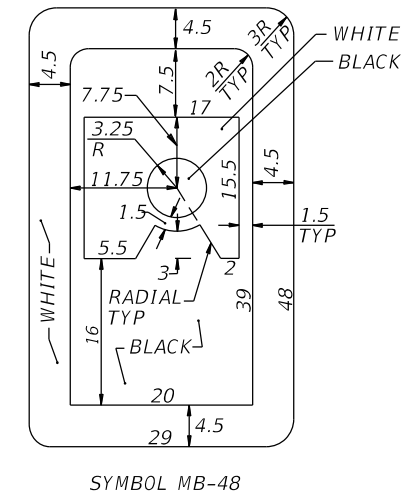
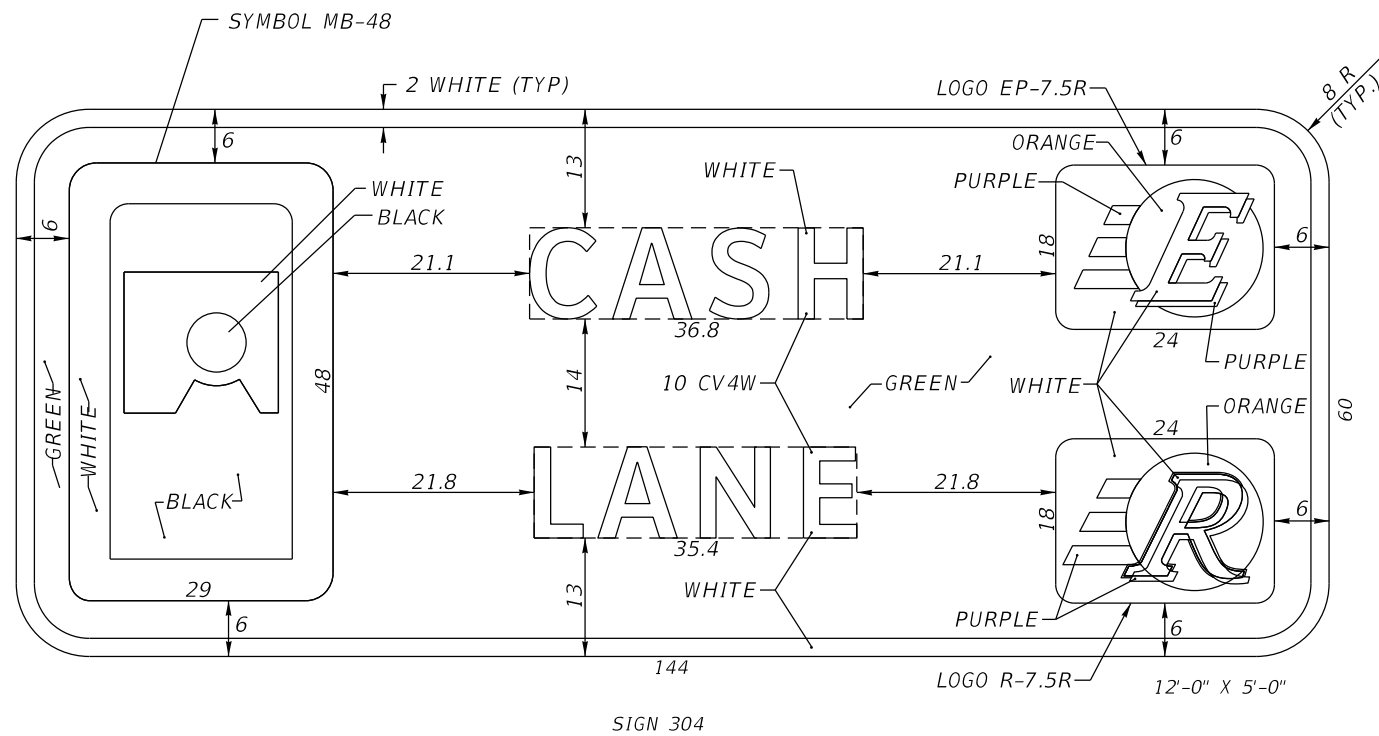
- CMS SIGNING GENERAL NOTES:
1. ALL DIMENSIONS ARE IN INCHES.
  2. SEE SHEET XX FOR DETAILS OF LOGO EP-7.5R, LOGO EP-16R, AND LOGO R-7.5R.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TOLL PLAZA CANOPY SIGNS		SHEET NO.  44
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				




NOTES TO CONSULTANT:

1. DETAILS ON THIS SHEET SHALL BE USED FOR TOLL PLAZA STATIC SIGNS.
2. INSERT CROSS REFERENCE SHEET NUMBER INTO NOTE 2.
3. DELETE THIS BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.



## CANOPY SIGNING GENERAL NOTES

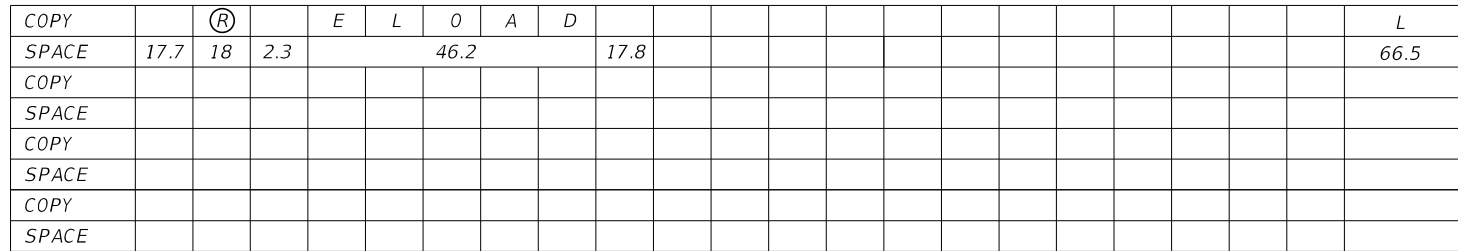
1. ALL DIMENSIONS ARE IN INCHES.
2. SEE SHEET XX FOR DETAILS OF LOGO EP-7.5R, LOGO EP-16R, AND LOGO R-7.5R.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS			<div>TOLL PLAZA</div> <div>CANOPY SIGNS</div>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.			45



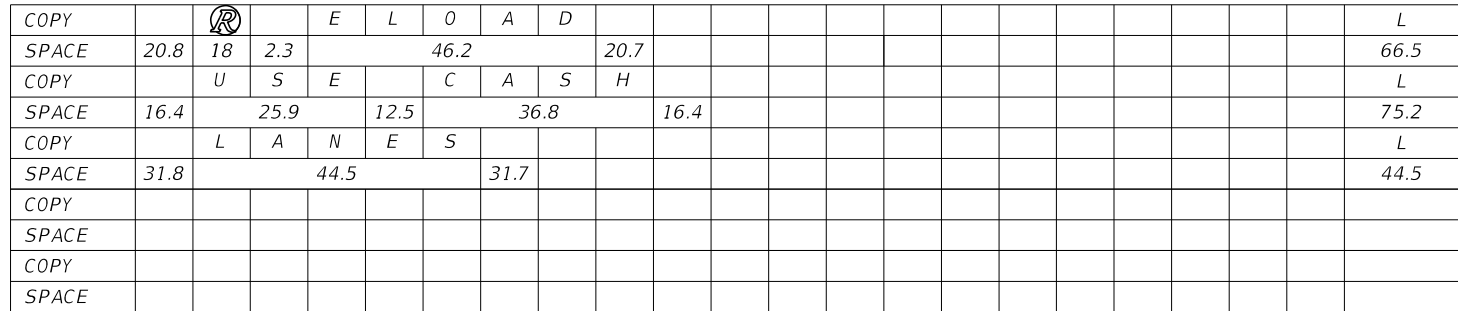
NOTES:

SEE RELOAD LOGOS SHEET



NOTES:

SEE RELOAD LOGOS SHEET



NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

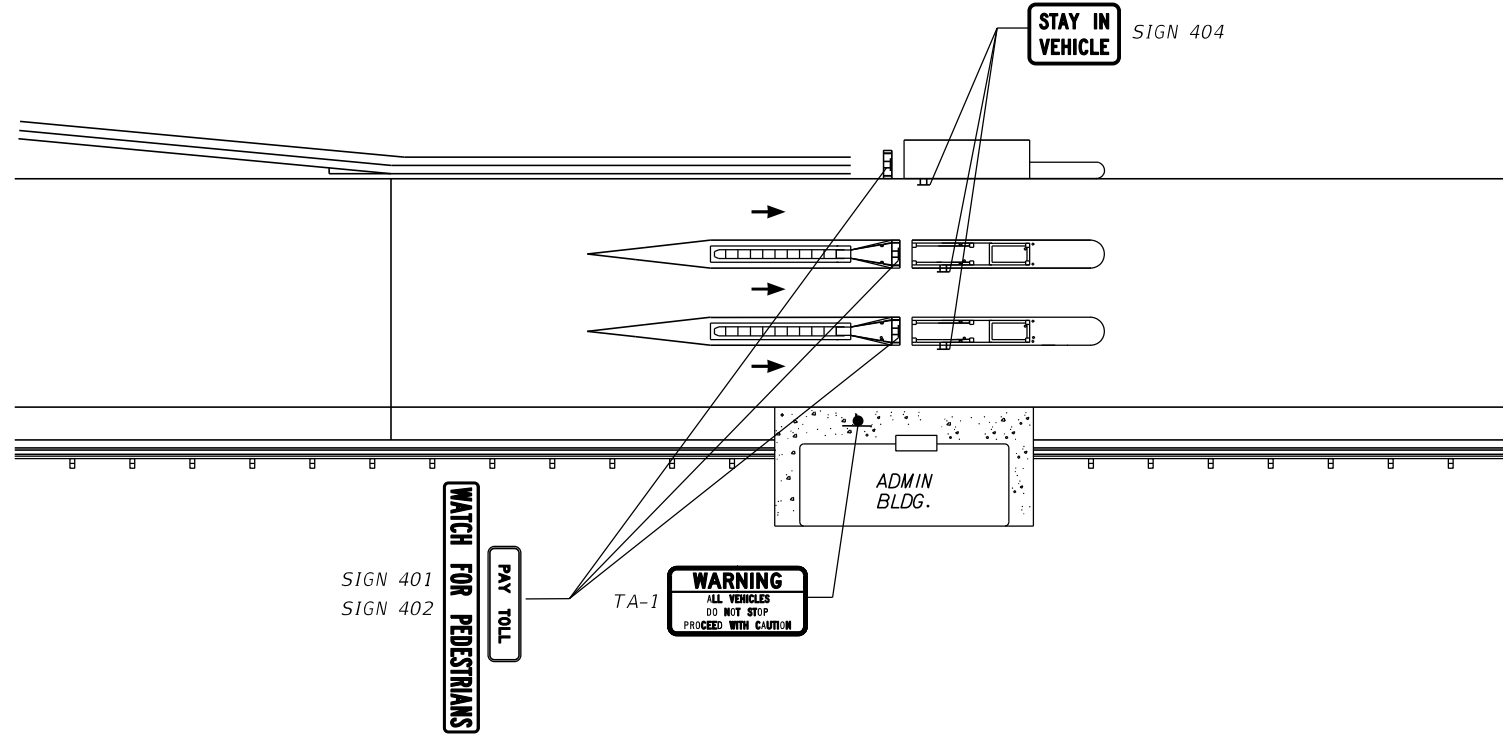
RELOAD LOGO IS TO BE MOUNTED TO THE TOP OF EXISTING OVERHEAD GUIDE SIGNS IN A SIMILAR FASHION AS EXIT NUMBER PLAQUES. SEE INDEX 700-110.

NOTES:	
--------	--

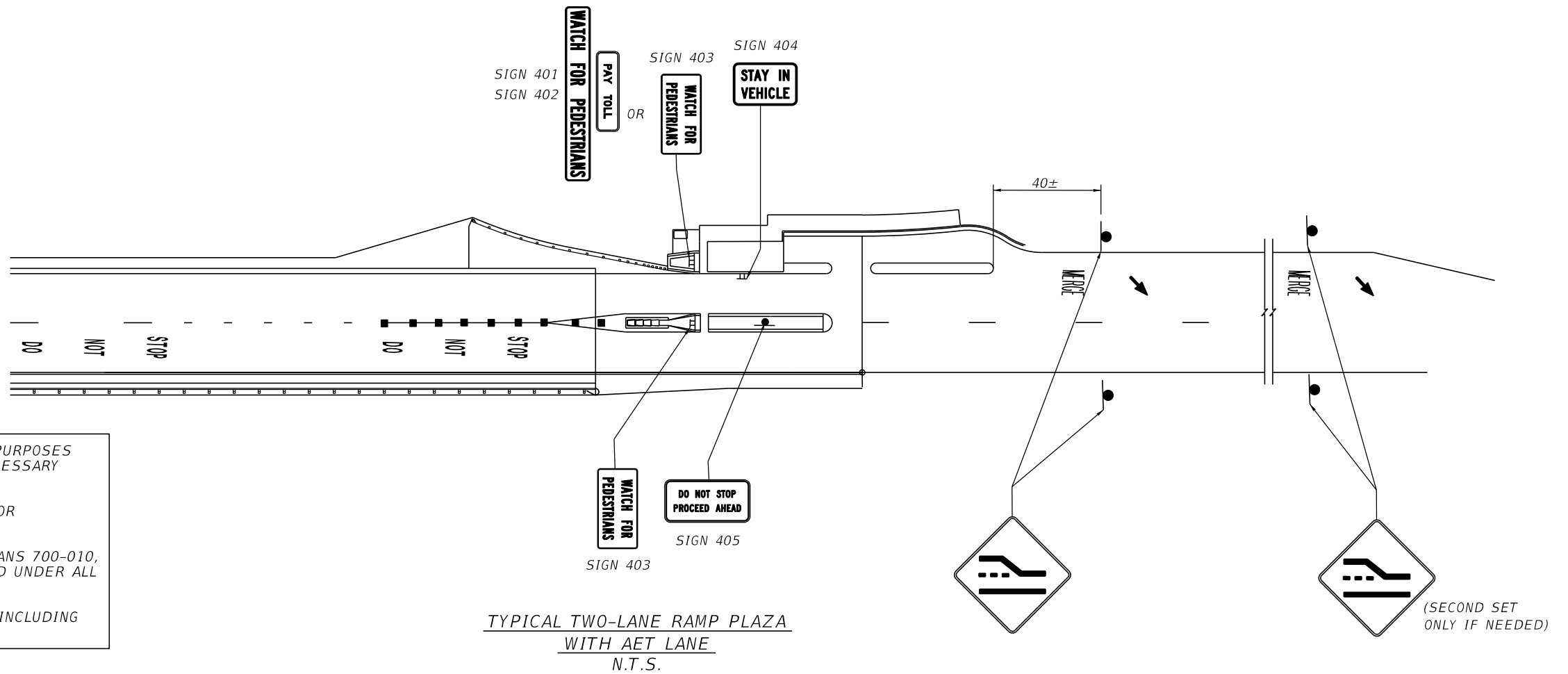
[illegible]

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

zfincher 2/23/2023 5:56:33 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A10-01.dgn




TYPICAL MAINLINE PLAZA  
N.T.S.

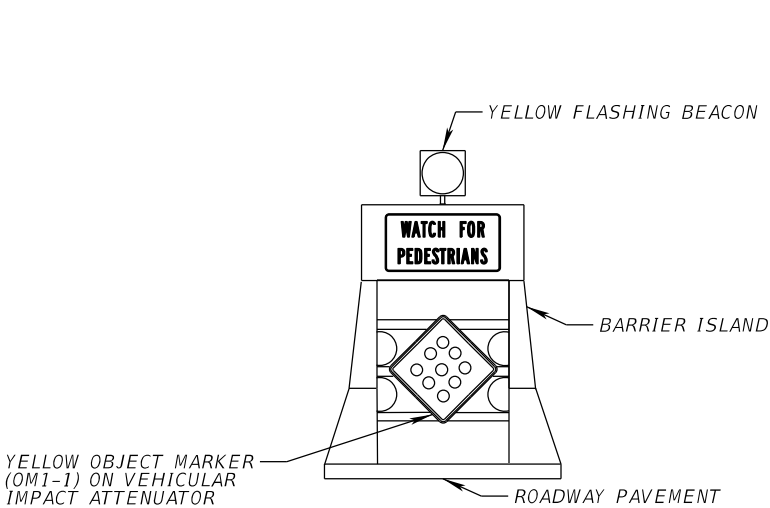


NOTES TO CONSULTANT:

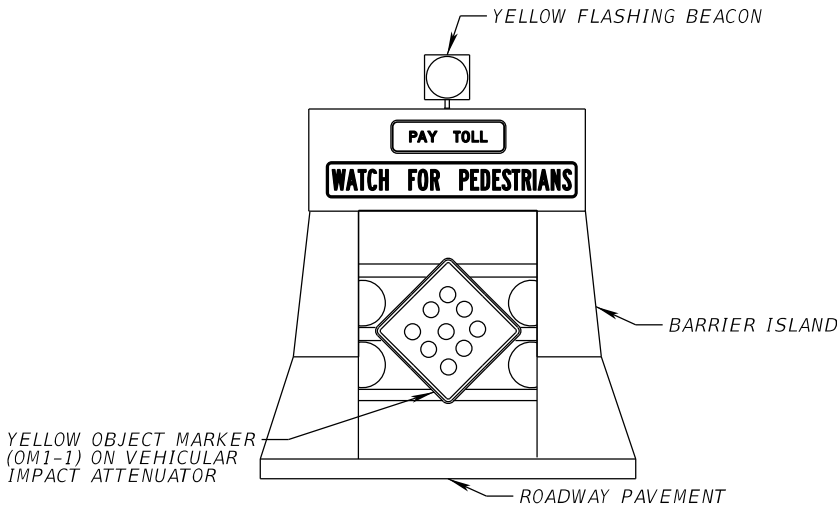
1. PLAZAS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CONSULTANT SHALL REVISE AS NECESSARY FOR SPECIFIC PROJECT.
2. 3M COMPANY VHB TAPE SHALL BE USED FOR INSTALLATION ON BOOTHS OR ACMS.
3. IN ACCORDANCE WITH FDOT STANDARD PLANS 700-010, THE USE OF NYLON WASHERS IS REQUIRED UNDER ALL BOLT HEADS.
3. DELETE THIS BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS			<i>INTERIOR PLAZA SIGNING</i>  <i>MAINLINE AND RAMP</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.			48

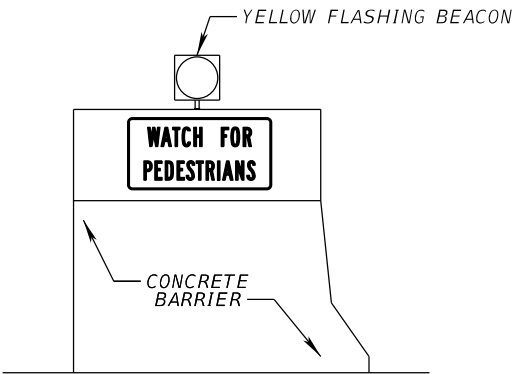
W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-04.dgn 5:56:33 PM 2/23/2023 zfincher



SIGNING FOR 3' RAMP ISLAND GATORHEAD  
AND IMPACT ATTENUATOR  
N.T.S.



SIGNING FOR 6' (MIN.) MAINLINE ISLAND GATORHEAD  
AND IMPACT ATTENUATOR  
N.T.S.



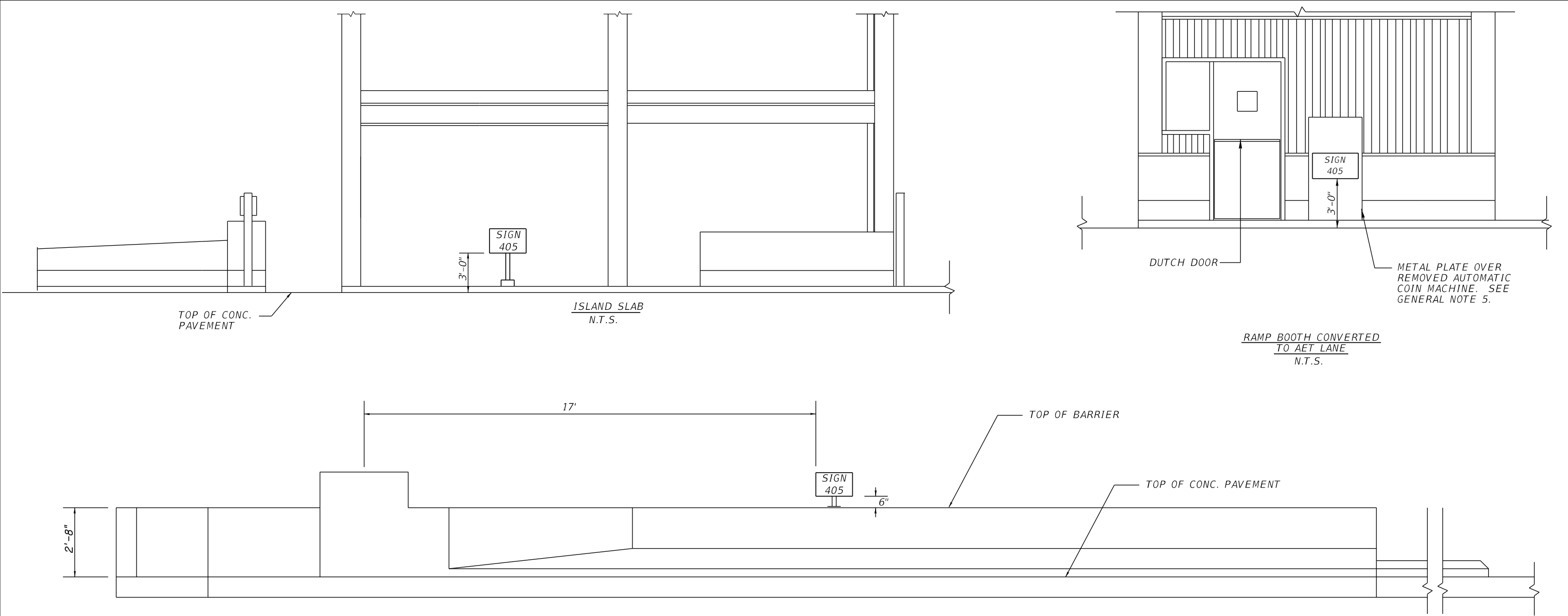
SIGNING FOR 4'-7" (+/-)  
RAMP ISLAND GATORHEAD  
N.T.S.

NOTES:

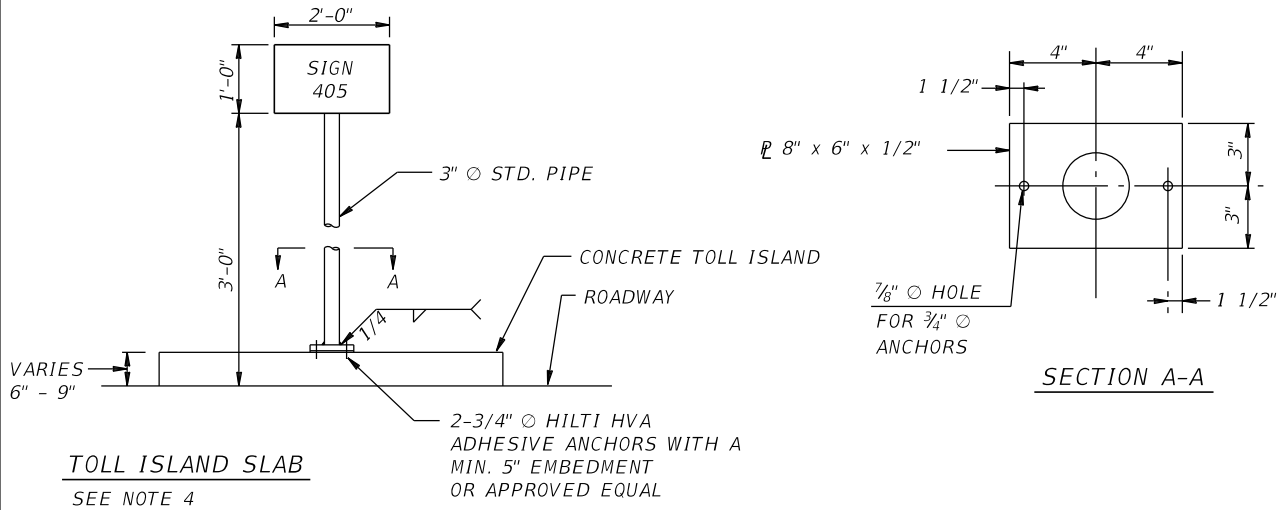
1. IN ACCORDANCE WITH FDOT STANDARD PLANS 700-010, THE USE OF NYLON WASHERS IS REQUIRED UNDER ALL BOLT HEADS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	INTERIOR PLAZA SIGNING MAINLINE AND RAMP		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				49	

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-05.dgn 5:56:33 PM 2/23/2023 zfincher



SIGN 405 CONNECTIONS TO CONCRETE TOLL ISLANDS



CONNECTION NOTES:

1. SIGN STRUCTURE MATERIALS SHALL BE AS FOLLOWS:  
  
PIPE - ASTM-A53 GRADE B  
PLATE - ASTM-A36  
BOLTS - ASTM-A307
2. ALL STEEL ITEMS SHALL BE GALVANIZED AS FOLLOWS:  
  
PLATE & PIPE - ASTM-A123  
BOLTS, NUTS, & WASHERS - ASTM-A153 CLASS C OR D
3. IN ACCORDANCE WITH FDOT STANDARD PLANS 700-010, THE USE OF NYLON WASHERS IS REQUIRED UNDER ALL BOLT HEADS.

GENERAL NOTES:

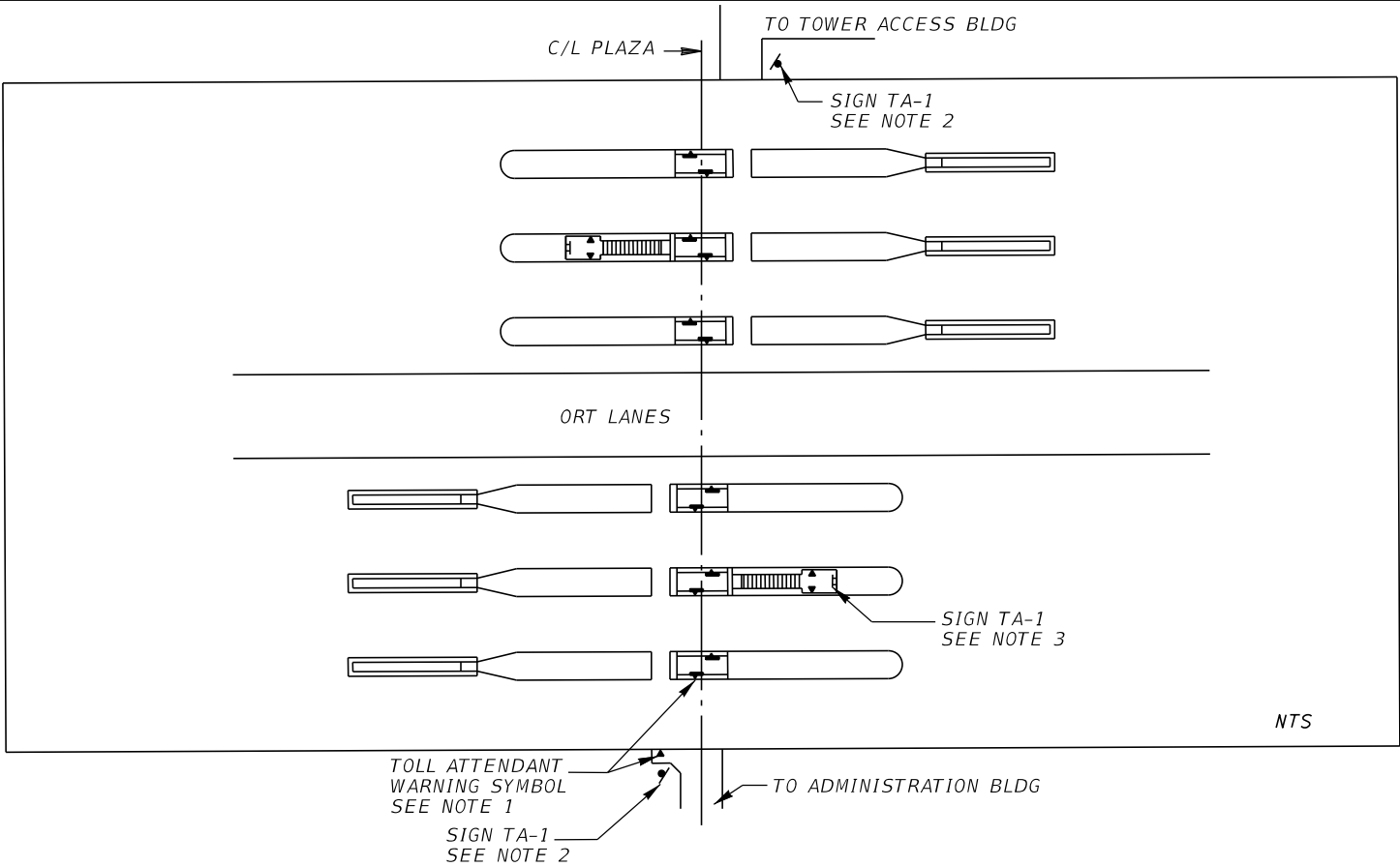
1. SIGN 405 TO BE MOUNTED IN DEDICATED AET LANE
2. SIGN 405 TO BE MOUNTED ON A SINGLE POST ATTACHED TO TOP OF ISLAND SLAB OR BARRIER, AND AT ANGLE THAT FACES ONCOMING VEHICLES.
3. HORIZONTAL CLEARANCE SHALL BE 1'-6" FROM FACE OF CURB OR CURB LINE TO FACE OF SIGN.
4. HARDWARE SPECIFIED IN THE CONNECTION NOTES SHALL APPLY WHEN THE ASSEMBLY IS INSTALLED ON EITHER AN ISLAND SLAB OR BARRIER ISLAND.
5. SIGN SHALL BE HORIZONTALLY CENTERED WITHIN METAL PLATE.



SIGN 405

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	INTERIOR PLAZA SIGNING MAINLINE AND RAMP		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION							50	
					ROAD NO.	PROJECT NO.					

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-06.dgn 5:56:34 PM 2/23/2023 zfincher



SIGN	TA-1
QUANTITY	
WIDTH	3'-0" (36")
HEIGHT	1'-6" (18")
BORDER WIDTH	0.5"
BORDER RADII	2"
BORDER INSET	N/A
BACKGROUND COLOR	Red/White
LEGEND/BORDER COLOR	White/Black
SHEETING	DG3

NOTES:

LETTER SPACING HAS BEEN INCREASED  
BY 10% FOR NEGATIVE CONTRAST COPY.



Copy Spacing															Length	Size/Series								
	W	A	R	N	I	N	G																	
6.6	22.8							6.6														22.8	4D	
	A	L	L		V	E	H	I	C	L	E	S												
9.4	3.9			3	10.2								9.5										17.1	2C
	D	O		N	O	T		S	T	O	P													
9	2.7		3.0	4			3	5.3				9										18	2C	
	P	R	O	C	E	E	D		W	I	T	H		C	A	U	T	I	O	N				
3.2	9.8							3	4.8					3	9							3.2	29.6	2C

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES. END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN, AND BORDER RECESS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TOLL ATTENDANT SIGNING	SHEET NO.  51
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.			

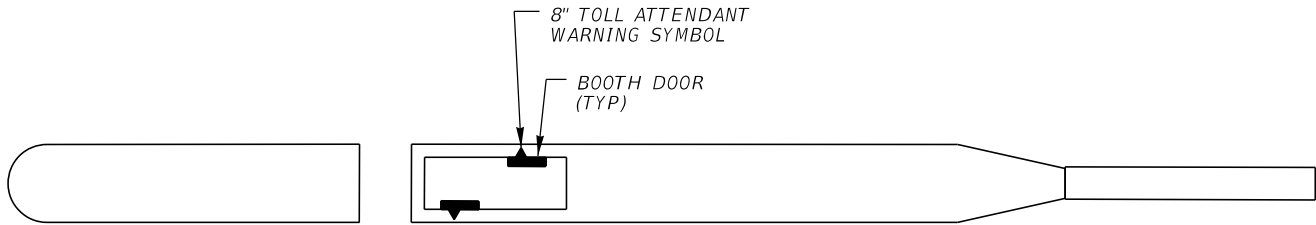
GENERAL NOTES:

1. ACTUAL LOCATION OF TOLL ATTENDANT WARNING SYMBOLS, WITHIN TOLL BOOTH DOOR AREAS, SHALL BE AS DIRECTED BY THE ENGINEER. ADDITIONAL SYMBOLS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SIZE OF SYMBOL AT TOLL BOOTH DOOR AREAS SHALL BE 8" X 8" X 8".
2. POST MOUNTED WARNING SIGN (SIGN TA-1) ASSEMBLY SHALL BE FIELD LOCATED BY THE ENGINEER AND FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. ATTENDANT WARNING SIGNS (SIGN TA-1) SHALL BE FURNISHED AND INSTALLED (ANCHOR BOLTED) BY THE CONTRACTOR ON THE ISLAND BARRIER WALL FACING EACH STAIRWELL WHEN PRESENT. PLACEMENT SHALL PROVIDE OPTIMUM VISIBILITY.
4. IN ACCORDANCE WITH FDOT STANDARD PLANS 700-010, THE USE OF NYLON WASHERS IS REQUIRED UNDER ALL BOLT HEADS.

NOTES TO CONSULTANT:

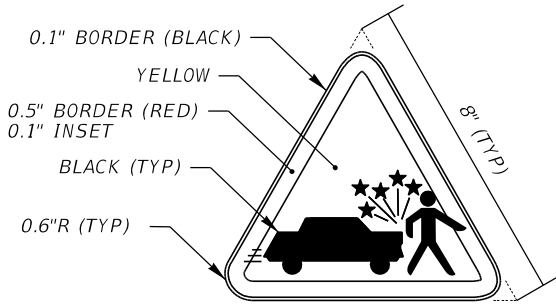
1. SIGN TA-1 AND TOLL ATTENDANT WARNING SYMBOLS ARE TO BE INCLUDED IN THE TOLL PLAZA PLANS UNLESS CFX DIRECTS OTHERWISE. PAYMENT IS TO BE INCLUDED IN THE LUMP SUM FOR THE TOLL PLAZA.
2. QUANTITIES TABLE MAY BE INCLUDED FOR BID PURPOSES ONLY.
3. PROVIDE PROJECT SPECIFIC CROSS REFERENCES IN DETAILS BELOW.
4. VERIFY WALKWAY PATH WITH CFX OPERATIONS AND REVISE DETAIL ACCORDINGLY.
5. DELETE THIS BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

TOLL ATTENDANT SIGNING & SYMBOL QUANTITIES					
PAY ITEM NO.	DESCRIPTION	UNIT	PLAZA	PLAZA	TOTAL
	SIGN SINGLE POST (LESS THAN 12) (SIGN TA-1)	AS			
	SIGN PANEL (15 OR LESS) (SIGN TA-1) (BARRIER MOUNT)	EA			
	FURNISH AND INSTALL PAVEMENT SYMBOL (8")	EA			



TYPICAL ISLAND LOCATIONS FOR  
TOLL ATTENDANT WARNING SYMBOLS

SEE GENERAL NOTE 1  
NTS



FOR INFORMATION ONLY -- SHOP DRAWINGS ARE REQUIRED

TYPICAL TOLL ATTENDANT WARNING SYMBOL

SEE GENERAL NOTE 1  
NTS



W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-20.dgn 5:56:34 PM 2/23/2023 zfincher

SIGN NUMBER	401
QUANTITY	
WIDTH	3'-0" (36")
HEIGHT	0'-7" (7")
BORDER WIDTH	0.5"
BORDER RADII	1"
BORDER INSET	N/A
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3
NOTES:	

MOUNTING: GROUND MOUNT (GM-X)

FOR USE ON MAINLINE TOLL PLAZA ISLANDS

COPY		P	A	Y		T	O	L	L												L
SPACE	5.8		8.1		6		10.3		5.8												24.4
COPY																					
SPACE																					
COPY																					
SPACE																					
COPY																					
SPACE																					
COPY																					
SPACE																					
COPY																					
SPACE																					

USE: MAINLINE AND RAMP - INTERIOR TOLL PLAZA SIGNING

SIGN NUMBER	402
QUANTITY	
WIDTH	4'-1" (49")
HEIGHT	0'-7" (7")
BORDER WIDTH	0.5"
BORDER RADII	1"
BORDER INSET	N/A
BACKGROUND COLOR	Yellow
LEGEND & BORDER COLOR	Black
SHEETING	DG3
NOTES:	

MOUNTING: GROUND MOUNT (GM-X)

FABRICATOR TO REDUCE INTERLETTER SPACING AS NEEDED TO FIT.

COPY		W	A	T	C	H		F	O	R											L
SPACE	1.8			10.9		3.5		5.9		3.5											
COPY	P	E	D	E	S	T	R	I	A	N	S										L
SPACE					21.7							1.7									45.5
COPY																					
SPACE																					
COPY																					
SPACE																					

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

SIGN NUMBER	403
QUANTITY	
WIDTH	2'-6" (30")
HEIGHT	1'-3" (15")
BORDER WIDTH	0.5"
BORDER RADII	1"
BORDER INSET	N/A
BACKGROUND COLOR	Yellow
LEGEND & BORDER COLOR	Black
SHEETING	DG3
NOTES:	

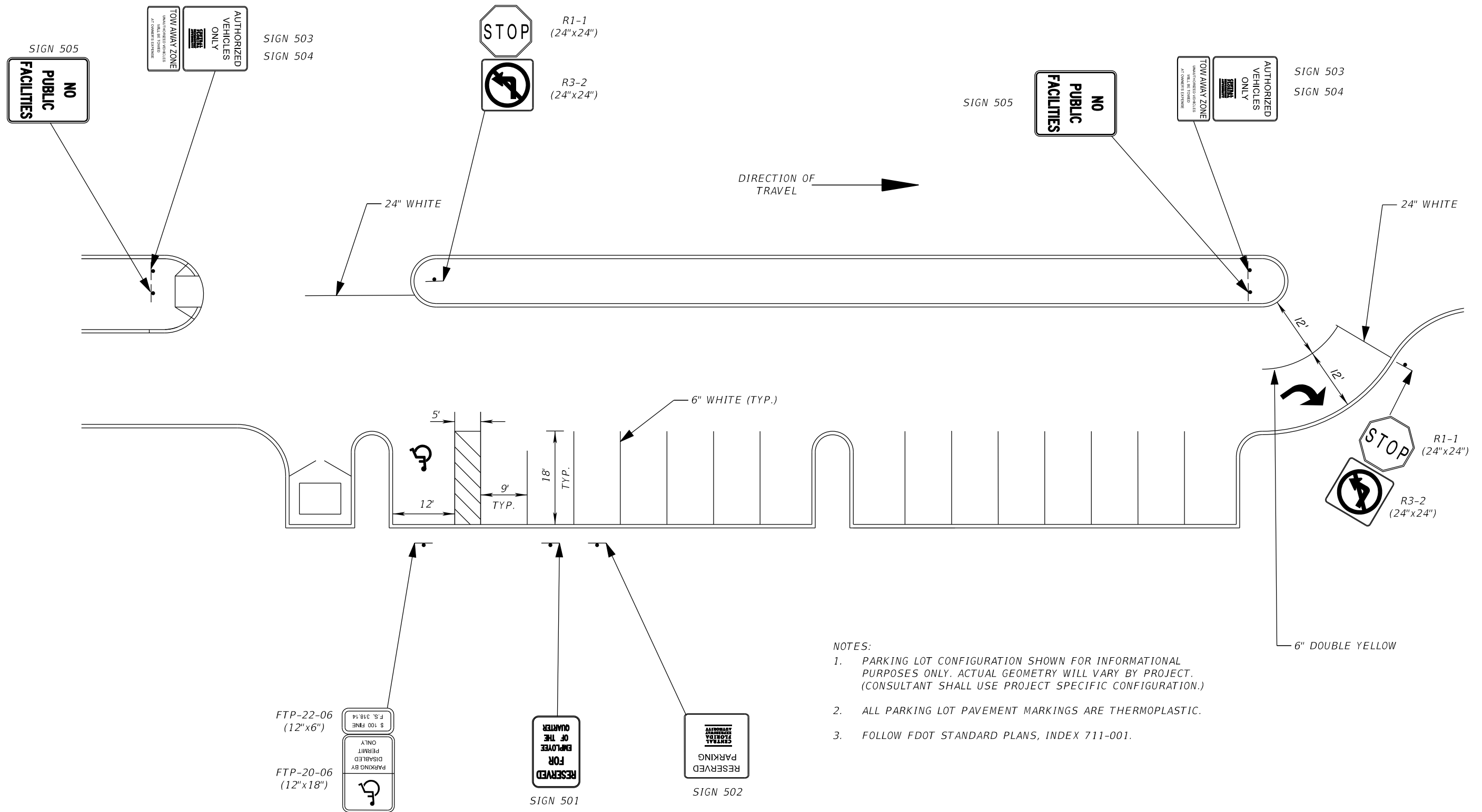
MOUNTING: GROUND MOUNT (GM-X)

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

COPY		W	A	T	C	H		F	O	R											L
SPACE	4.1			11.4		4		6.3		4.2											21.7
COPY		P	E	D	E	S	T	R	I	A	N	S									L
SPACE	3.4						23.3					3.3									23.3
COPY																					
SPACE																					
COPY																					
SPACE																					



W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-07.dgn 5:48:19 PM 3/6/2023 zfincher



- NOTES:
1. PARKING LOT CONFIGURATION SHOWN FOR INFORMATIONAL PURPOSES ONLY. ACTUAL GEOMETRY WILL VARY BY PROJECT. (CONSULTANT SHALL USE PROJECT SPECIFIC CONFIGURATION.)
  2. ALL PARKING LOT PAVEMENT MARKINGS ARE THERMOPLASTIC.
  3. FOLLOW FDOT STANDARD PLANS, INDEX 711-001.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	MAINLINE PLAZA PARKING  LOT SIGNING AND MARKING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

NOTES:

SPACING REDUCED 50%.

A diagram of a rectangular sign with a black border. The sign is labeled "RESERVED FOR EMPLOYEE OF THE QUARTER". The dimensions are given as follows:

- Width: 12"
- Height: 18"
- Top margin: 2.25"
- Text "RESERVED" height: 2"
- Text "FOR" height: 1.5"
- Text "EMPLOYEE" height: 2"
- Text "OF THE" height: 1.5"
- Text "QUARTER" height: 1"
- Bottom margin: 1.5"
- Bottom margin: 2.25"

The sign is divided into sections by horizontal lines. The text "RESERVED" is in the top section, "FOR" is in the second section, "EMPLOYEE" is in the third section, "OF THE" is in the fourth section, and "QUARTER" is in the fifth section. The bottom section is empty.

SIGN NUMBER	502
QUANTITY	
WIDTH	1'-6" (18")
HEIGHT	1'-6" (18")
BORDER WIDTH	0.5"
BORDER RADII	2"
BORDER INSET	0.125"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

Diagram of a "RESERVED PARKING" sign. The sign is rectangular with rounded corners and a double border. The text "RESERVED PARKING" is at the top, and "CENTRAL FLORIDA EXPRESSWAY AUTHORITY" is at the bottom. Dimensions are shown: overall width is 18", overall height is 18". The sign is divided into three vertical sections: 3.7" on the left, 10.6" in the center, and 3.7" on the right. The text "RESERVED PARKING" is 1.5" high. The text "CENTRAL FLORIDA EXPRESSWAY AUTHORITY" is 9" high. The sign is 1.5" thick.

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

SIGN NUMBER	503
QUANTITY	
WIDTH	3'-6" (42")
HEIGHT	3'-0" (36")
BORDER WIDTH	1"
BORDER RADII	4.5"
BORDER INSET	0.25"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

A diagram of a rectangular sign with a double border. The sign contains the text "AUTHORIZED VEHICLES ONLY" in large, bold, black capital letters. Below this text is a smaller rectangular box containing the text "CENTRAL FLORIDA INFORMATION AUTHORITY" in bold, black capital letters. The sign is surrounded by dimension lines and labels. The overall width is 42", divided into three sections of 15.7", 10.6", and 15.7". The overall height is 36", divided into five sections of 3", 4", 3", 4", and 2.5". The bottom section of 2.5" is further divided into 9" and 3.5".

42"

36"

3"

4"

3"

4"

3"

4"

2.5"

9"

3.5"

15.7"

10.6"

15.7"

**AUTHORIZED  
VEHICLES  
ONLY**

**CENTRAL  
FLORIDA  
INFORMA  
TION  
AUTHORITY**

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

zfincer 2/23/2023 5:56:35 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A6-22.dgn

NOTES:

Diagram of a rectangular sign with rounded corners. The sign has a double border and contains the following text:

**TOW AWAY ZONE**  
**UNAUTHORIZED VEHICLES**  
**WILL BE TOWED**  
**AT OWNERS EXPENSE**

Dimensions are indicated by arrows and labels:

- Overall width: 42"
- Overall height: 18"
- Top margin: 2"
- Bottom margin: 1.5"
- Left margin: 8.8"
- Right margin: 8.7"
- Text area width: 24.5"
- Text area height: 12.5" (calculated from 18" total height minus 2" top margin and 1.5" bottom margin)

USE: MAINLINE TOLL PLAZA PARKING LOT SIGNING CONTINUED

NOTES:

Diagram of a rectangular sign with dimensions and text:

- Overall width: 24"
- Overall height: 30"
- Text: **NO PUBLIC FACILITIES**
- Top border: 5"
- Right border: 4" (top), 4" (middle), 4" (bottom)
- Bottom border: 5"
- Bottom spacing: 1.7" (left), 20.7" (center), 1.6" (right)

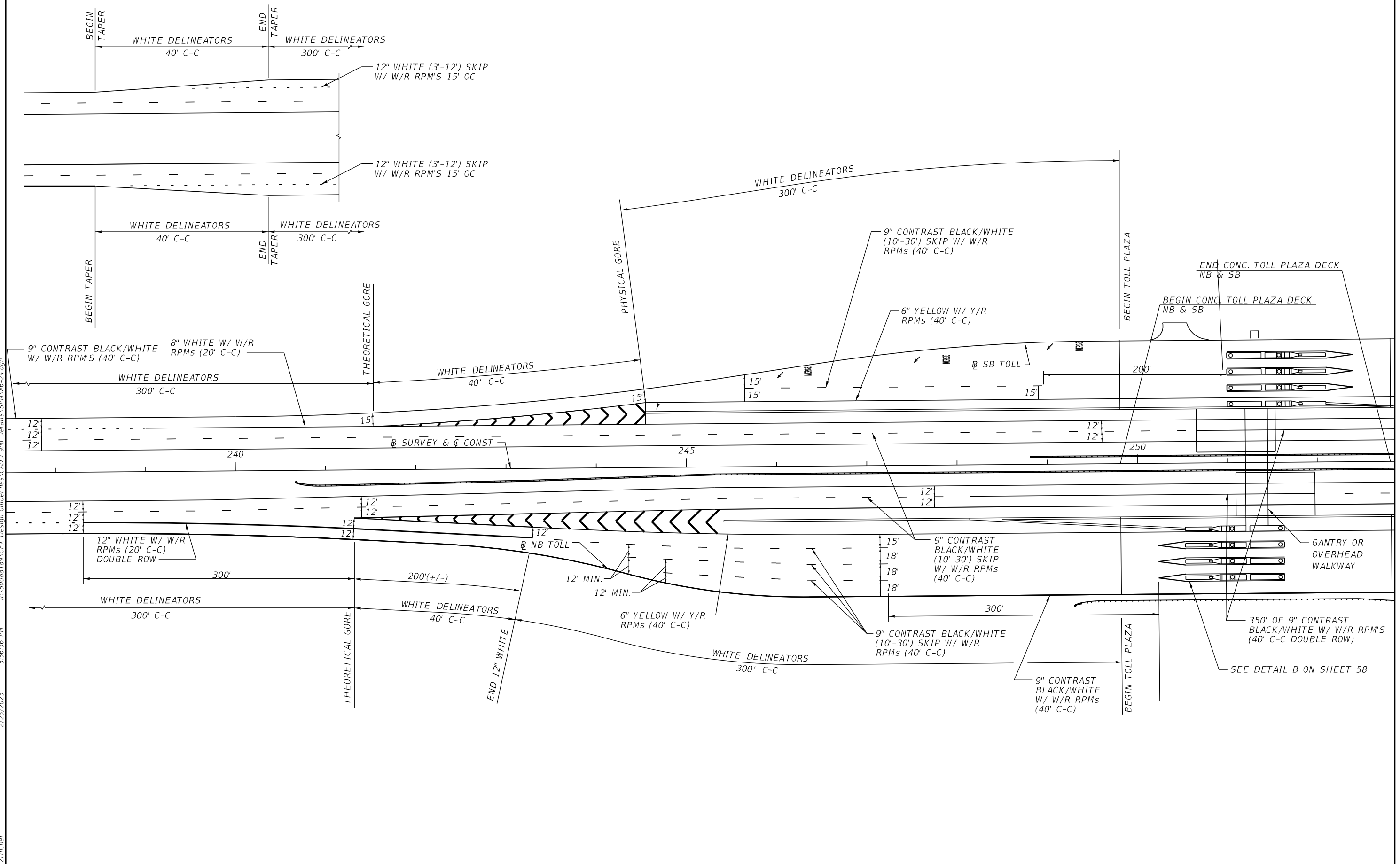
INTENTIONALLY LEFT BLANK


NOTES:

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

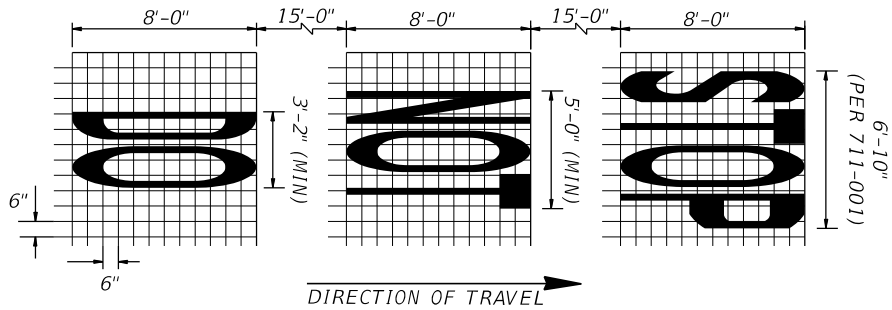
2/23/2023 5:56:36 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A6-23.dgn

zfincher



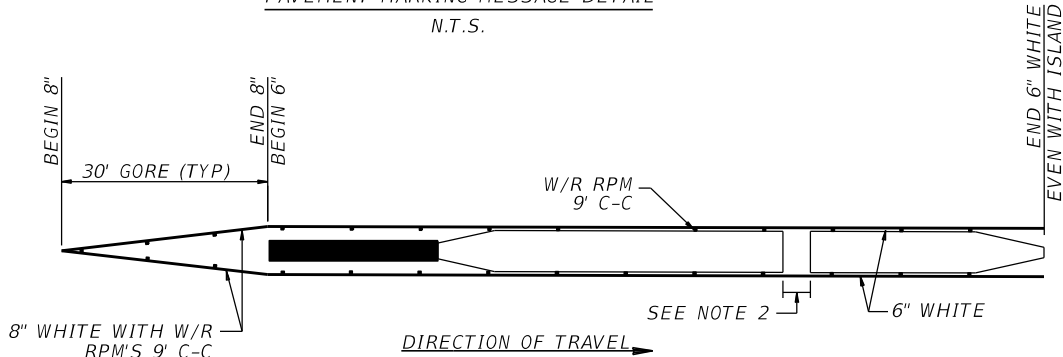
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		TYPICAL PAVEMENT MARKING  MAINLINE PLAZAS	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.

2/23/2023 5:56:36 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\46-25.dgn zfincher



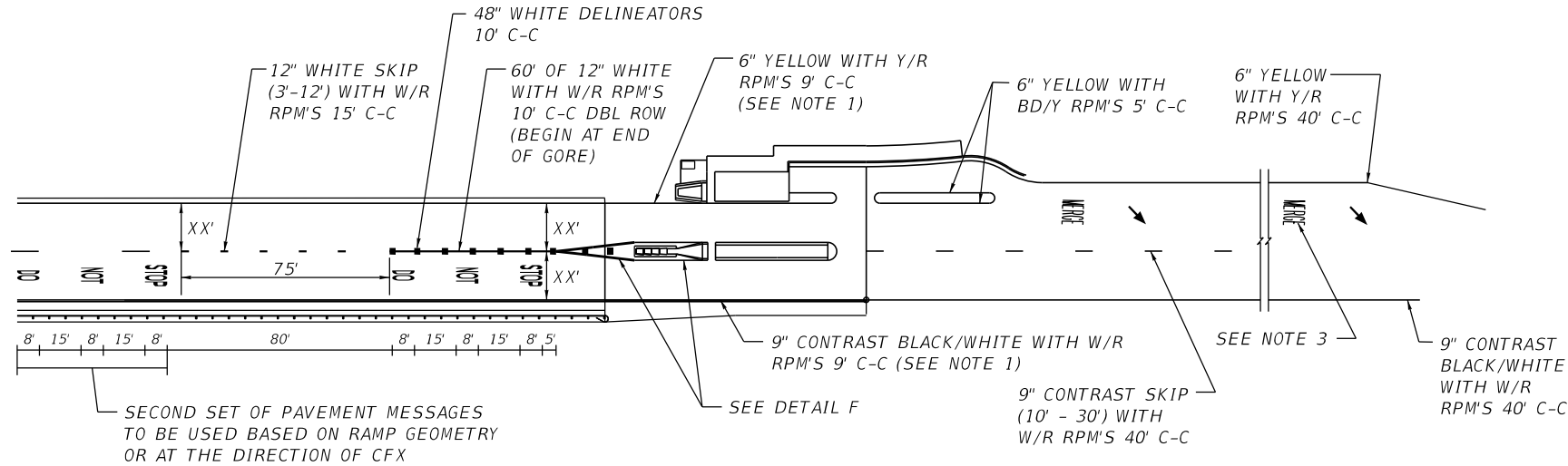
- NOTES:
- EACH WORD TO BE CENTERED WITHIN LANE.
  - PAVEMENT MESSAGES TO BE 3M SERIES 380AW.

DETAIL A - RAMP PLAZA  
PAVEMENT MARKING MESSAGE DETAIL  
N.T.S.

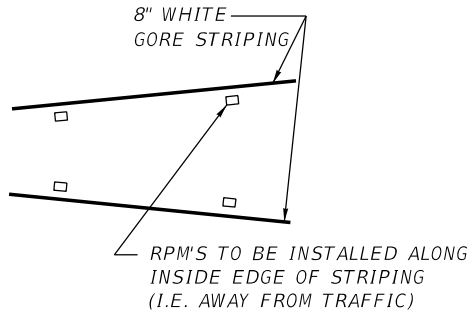


- NOTES:
- RPM'S SHALL BE PLACED PER DETAIL D AND E.
  - RPM'S SHALL NOT BE PLACED THROUGH ISLAND WALKWAY AREAS.

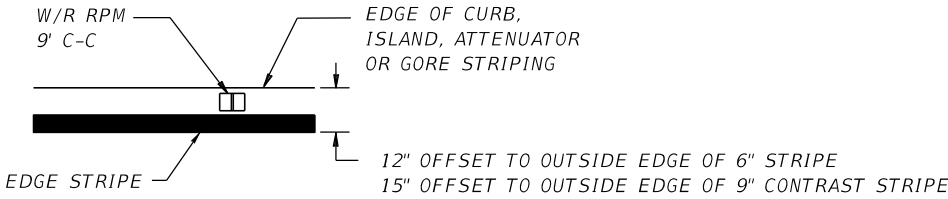
DETAIL B - MAINLINE PLAZA  
TYPICAL 6' ISLAND STRIPING  
N.T.S.



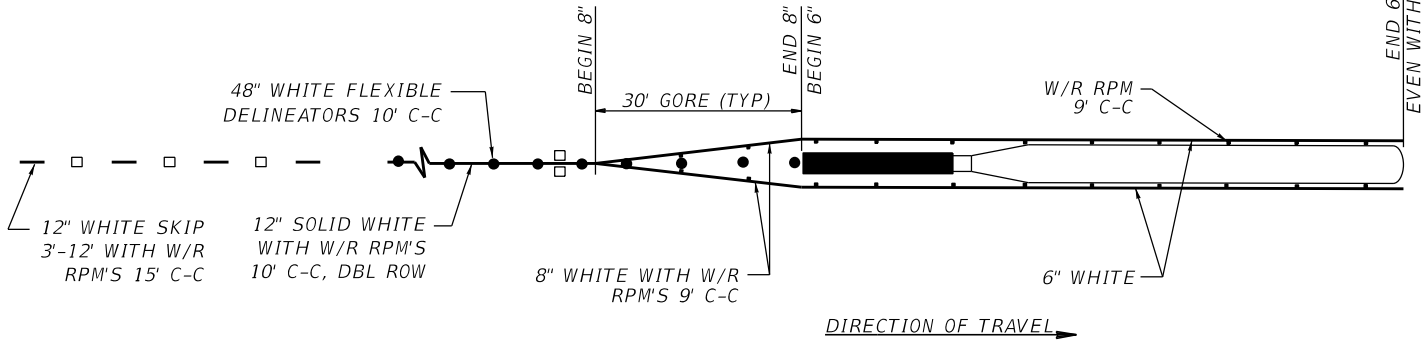
DETAIL C  
TYPICAL TWO-LANE RAMP  
WITH DEDICATED AET LANE  
N.T.S.



DETAIL D  
RPM PLACEMENT WITHIN ISLAND GORES  
N.T.S.



DETAIL E  
RPM PLACEMENT DETAIL  
N.T.S.



- NOTES:
- RPM'S SHALL BE PLACED PER DETAILS D AND E.

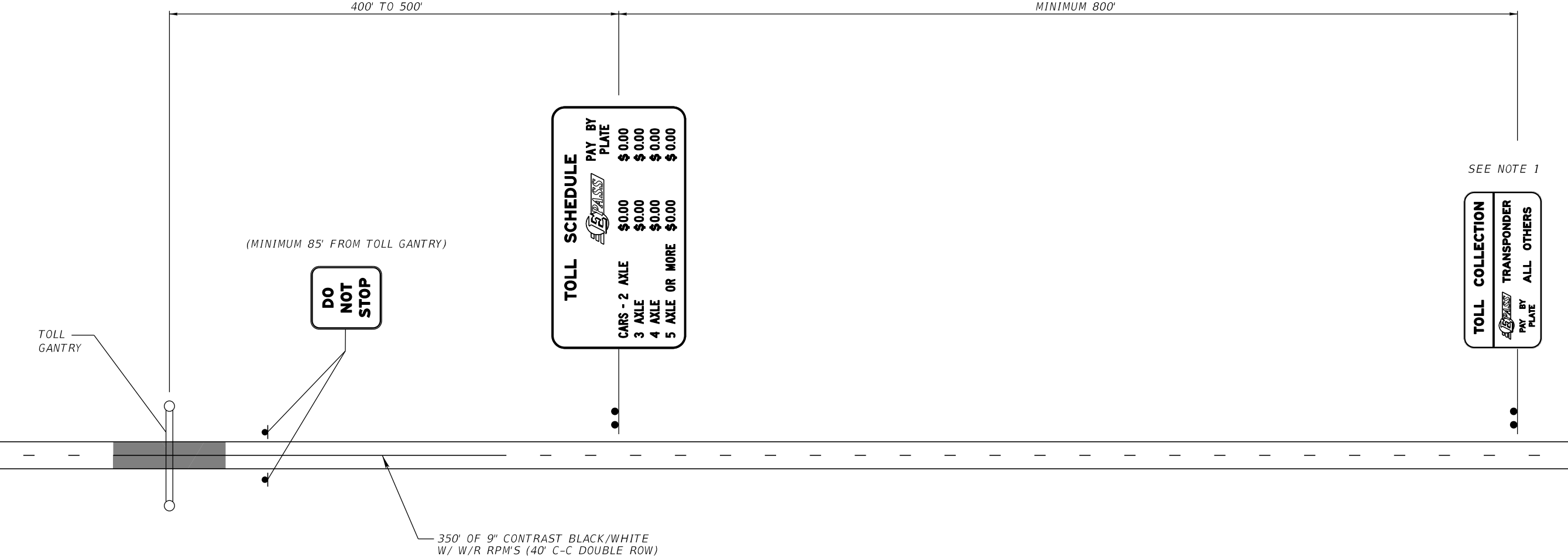
DETAIL F - RAMP PLAZA  
TYPICAL 3' ISLAND STRIPING  
WITH DEDICATED AET LANE  
N.T.S.

- NOTES TO CONSULTANT:
- RAMP/PLAZA CONFIGURATION SHOWN IN DETAIL C IS FOR EXAMPLE PURPOSES ONLY. DETAIL TO BE REVISED USING PROJECT SPECIFIC GEOMETRICS.
  - SIZE OF PARKING CHANNELIZATION TO BE GOVERNED BY THE RAMP GEOMETRY. CONSULTANT TO PROVIDE ALL APPLICABLE CONSTRUCTION INFORMATION.
  - PROVIDE DIMENSIONS (XX') FOR SPECIFIC PROJECT.
  - DELETE BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

- NOTES:
- EDGE LINE RPM'S SPACED AT 9' C-C THROUGH LIMITS OF CONC. PLAZA DECK.
  - ENTIRE DELINEATOR BASE SHALL BE ADHERED TO ASPHALT OR CONCRETE PAVEMENT.
  - NEED FOR SECOND MERGE PAVT. MESSAGE WILL DEPEND ON PROJECT SPECIFIC GEOMETRY.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	TOLL PLAZA PAVEMENT MARKING DETAILS		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
										58	

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A7-03.dgn 5:56:37 PM 2/23/2023 zfincher

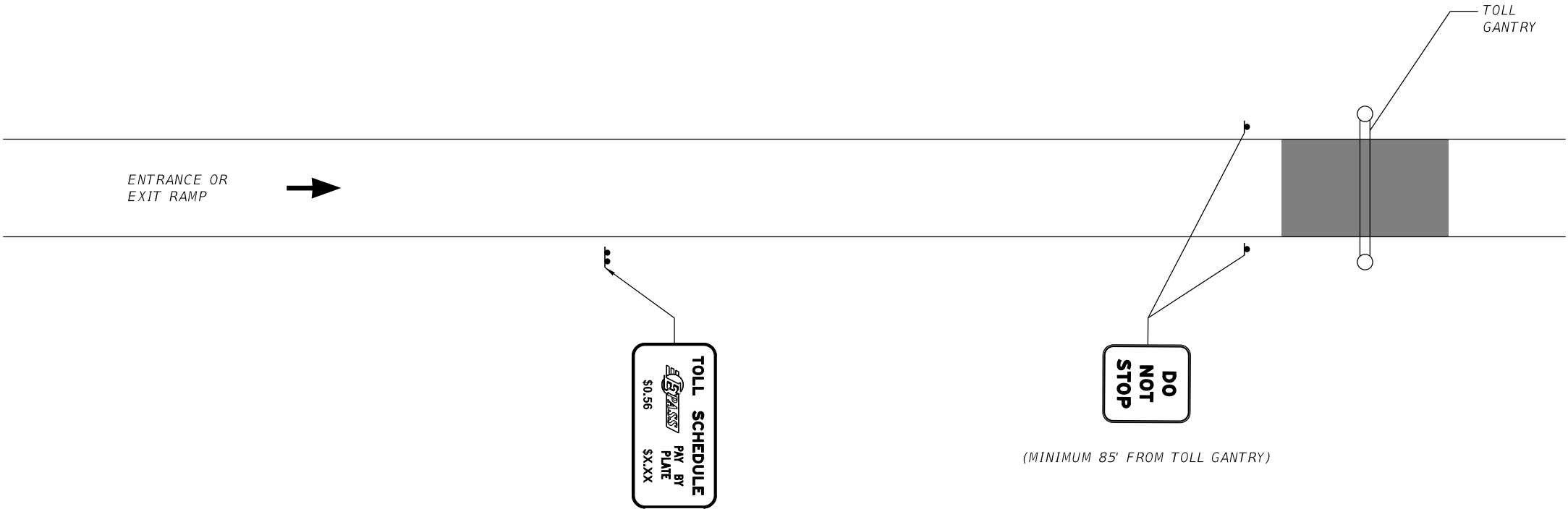


- NOTES TO CONSULTANT:
- 1. SIGN 605 TO BE USED AS AN AUXILIARY PANEL ONLY WHEN SPECIFIED. VERIFY WITH CFX FOR WHICH VARIATION TO USE.
  - 2. VERIFY THAT SIGNS ARE NOT PLACED ON TOP OF PULL BOXES.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	TYPICAL MAINLINE AET GANTRY APPROACH SIGNING		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				59	



zfincher 2/23/2023 5:56:37 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A7-04.dgn



NOTES TO CONSULTANT:  
1. VERIFY THAT SIGNS ARE NOT PLACED ON TOP OF PULL BOXES.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	TYPICAL RAMP AET GANTRY APPROACH SIGNING		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				60	

NOTES:

EPASS LOGO EP-10R  
SEE EPASS LOGOS SHEETS

[illegible]

1. NUMERAL SPACING TO BE ADJUSTED SUCH THAT PERIODS AND COLUMNS OF NUMERALS LINE UP VERTICALLY.
2. EACH COLUMN OF TOLL RATES TO BE CENTERED UNDER METHOD OF PAYMENT.
3. BASED ON NOTES 1 AND 2, SPACE BETWEEN "AXLE" AND TOLL RATES IS SUBJECT TO CHANGE. ALSO APPLIES TO SIDE MARGINS ADJACENT TO TOLL RATES.
4. CENTERLINES ARE FOR INFORMATIONAL PURPOSES ONLY.

NOTES:

Diagram of a TOLL SCHEDULE sign with dimensions:

- Overall width: 150"
- Overall height: 78"
- Sign text:
  - TOLL SCHEDULE
  - EPASS*
  - PAY BY PLATE
  - \$X.XX
- Vertical dimensions on the left (from top to bottom):
  - 12"
  - 10"
  - 9"
  - 20"
  - 9"
  - 8"
  - 10"
- Vertical dimensions on the right (from top to bottom):
  - 12"
  - 10"
  - 9"
  - 8"
  - 8"
  - 9"
  - 8"
  - 10"

NOTES:

*LETTER SPACING HAS BEEN INCREASED  
BY 10%.*

[illegible][illegible]

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.  
END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

zfincer 2/23/2023 5:56:37 PM W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A7-01.dgn

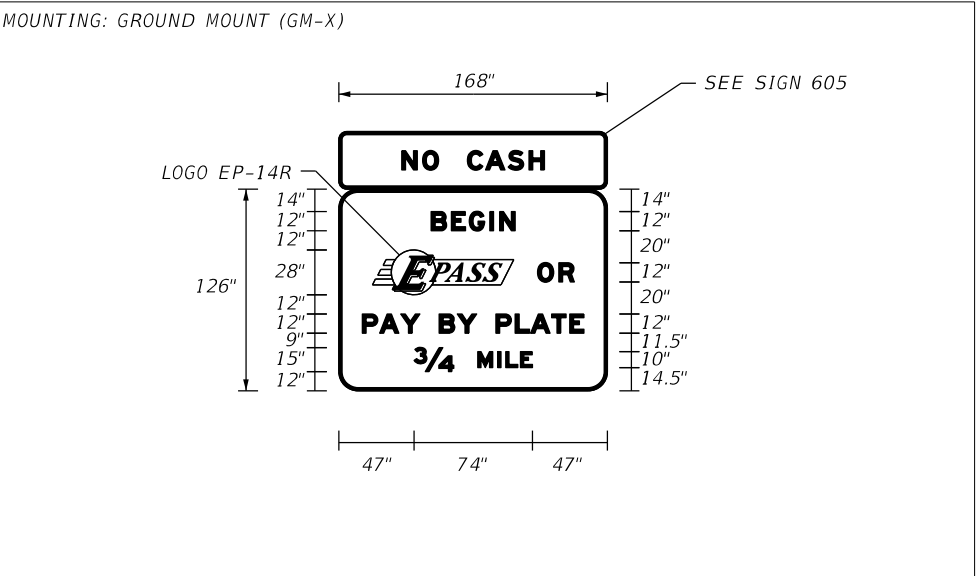
W:\50088189\CFX Design Guidelines\CADD and Details\SPM-A7-02.dgn 5:56:38 PM 2/23/2023 zfincher

SIGN NUMBER	604
QUANTITY	
WIDTH	14'-0" (168")
HEIGHT	10'-6" (126")
BORDER WIDTH	2"
BORDER RADII	12"
BORDER INSET	N/A
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

EACH NUMBER WITHIN A FRACTION SHALL BE 10" EM, GIVING A TOTAL HEIGHT OF 15"

EPASS LOGO EP-14R  
SEE EPASS LOGOS SHEETS

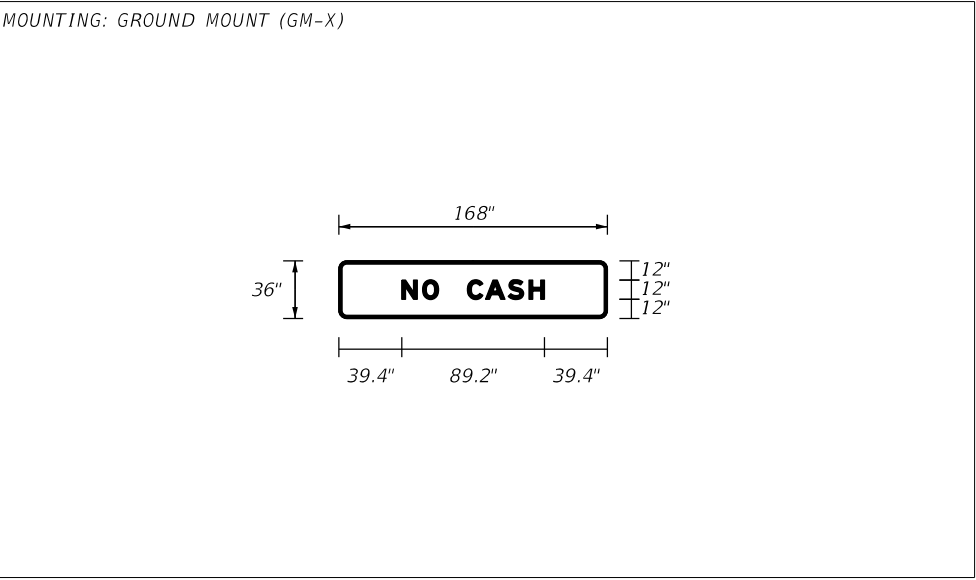


COPY		B	E	G	I	N														L
SPACE	57.8			52.5			57.7													52.5
COPY				O	R															L
SPACE	20.8	88.5	15		23		20.7													126.5
COPY		P	A	Y		B	Y		P	L	A	T	E							L
SPACE	14.7		36.1		12		23.4	12		55.1			14.7							138.6
COPY		3/4		M	I	L	E													L
SPACE	47	25	15		34			47												74
COPY																				
SPACE																				

SIGN NUMBER	605
QUANTITY	
WIDTH	14'-0" (168")
HEIGHT	3'-0" (36")
BORDER WIDTH	2"
BORDER RADII	5"
BORDER INSET	N/A
BACKGROUND COLOR	Yellow
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

ONLY TO BE USED WHEN SPECIFIED.



COPY		N	O		C	A	S	H												L
SPACE	39.4		23	18		48.2			39.4											89.2
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

USE: AET SIGNING

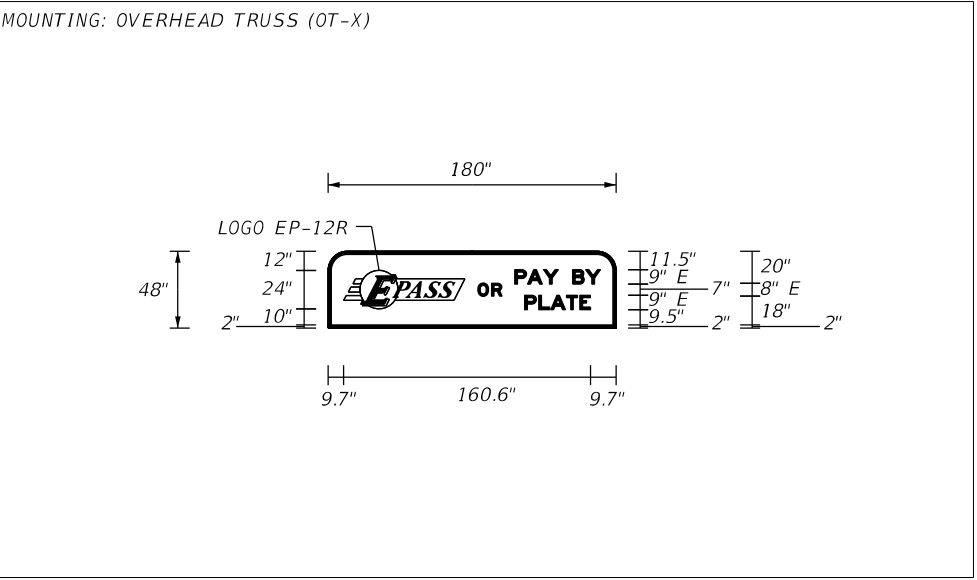
NOTES TO CONSULTANT:

- HEIGHT OF SIGN 605 SHALL BE 3'-0" AND LEGEND SHALL BE 12" EM. WIDTH SHALL MATCH MAIN PANEL. INCREASE OR DECREASE SIDE MARGINS AS NEEDED.
- MINIMUM WIDTH OF SIGN 606 SHALL BE 15'-0" FOR CROSSROAD OVERHEAD GUIDE SIGNS. HEIGHT SHALL REMAIN 4'-0" REGARDLESS OF WIDTH.
- WHEN THE WHITE ON GREEN PORTION OF THE GUIDE SIGN IS WIDER THAN 15'-0", ELEMENTS WITHIN SIGN 606 SHALL REMAIN AS SHOWN. INCREASE SIDE MARGINS AS NECESSARY.
- CONSULTANT TO DELETE THIS BOX AND NOTES PRIOR TO INCLUDING SHEET IN PLANS.

SIGN NUMBER	606
QUANTITY	
WIDTH	15'-0" (180")
HEIGHT	4'-0" (48")
BORDER WIDTH	2"
BORDER RADII	12"
BORDER INSET	N/A
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

EPASS LOGO EP-12R  
SEE EPASS LOGOS SHEETS



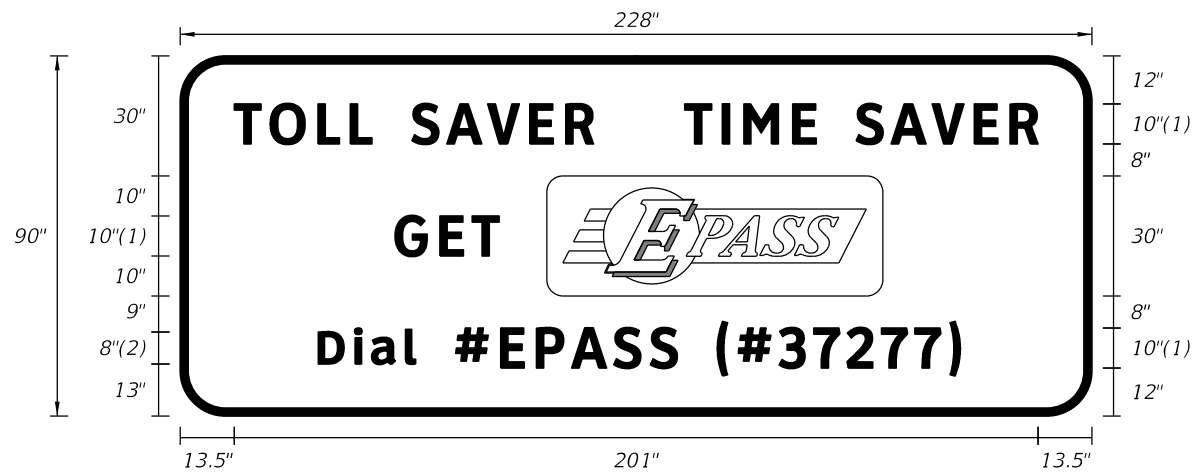
COPY				O	R		P	A	Y		B	Y								L
SPACE	9.7	75.9	8		15.1	8		27.1		9		17.5	9.7							160.6
COPY		P	L		A	T	E													L
SPACE	122.8				41.2		16													41.2
COPY																				
SPACE																				
COPY																				
SPACE																				

NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	GUIDE SIGN WORKSHEET SIGNS 604 - 606		SHEET NO.
DATE	DESCRIPTION		DATE							
						ROAD NO.	PROJECT NO.			62

<i>SIGN NUMBER</i>	<i>SIGN TS-1</i>
<i>QUANTITY</i>	
<i>WIDTH</i>	<i>19'-0" (228")</i>
<i>HEIGHT</i>	<i>7'-6" (90")</i>
<i>BORDER WIDTH</i>	<i>2"</i>
<i>BORDER RADII</i>	<i>11.25"</i>
<i>BORDER INSET</i>	<i>N/A</i>
<i>BACKGROUND COLOR</i>	<i>Blue</i>
<i>LEGEND &amp; BORDER COLOR</i>	<i>White</i>
<i>SHEETING</i>	<i>DG3</i>

*MOUNTING: MULTI-POST GROUND MOUNT (GM-X)*



SIGN NUMBER	SIGN TS-2
QUANTITY	
WIDTH	12'-6" (150")
HEIGHT	10'-6" (126")
BORDER WIDTH	2"
BORDER RADII	12"
BORDER INSET	N/A
BACKGROUND COLOR	Blue
LEGEND & BORDER COLOR	White
SHEETING	DG3

**MOUNTING:** MULTI-POST GROUND MOUNT (GM-X)



NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES. END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

**MOUNTING: MULTI-POST GROUND MOUNT (GM-X)**

Overall dimensions: 180" wide by 144" high.

Logos displayed on the sign:

- PAYMENTS ACCEPTED
- EPASS**
- uni**
- SUNPASS**
- E-ZPass**
- IEEWAY**
- PEACH PASS**
- NC QUICK PASS**

Vertical dimensions on the right side (from top to bottom):

- 9"
- 10"D
- 5"
- 25"
- 5" 2"
- 5"
- 22" (MAX)
- 5"
- 22" (MAX)
- 5"
- 22" (MAX)
- 7"

Horizontal dimensions at the bottom (from left to right):

- 21"
- 60"
- 18"
- 60"
- 21"

SIGN NUMBER	607
QUANTITY	
WIDTH	23'-6" (282")
HEIGHT	8'-6" (102")
BORDER WIDTH	2"
BORDER RADII	12"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3
NOTES:	

Diagram illustrating the dimensions of a rectangular overhead cantilever sign (OC-X) for Valencia Pkwy.

The sign features the **EPASS** logo and the text **OR PAY BY PLATE** above a horizontal line, and **Valencia Pkwy** with a right-turn arrow below the line.

**Overall Dimensions:**

- Overall Width: 282" (7173 mm)
- Overall Height: 102" (2591 mm)

**Section Dimensions (Left Side):**

- Top Section Height: 12" (305 mm)
- Section Height: 24" (610 mm)
- Section Height: 2" (51 mm)
- Section Height: 10" (254 mm)
- Section Height: 18" (457 mm)
- Section Height: 16" (406 mm)
- Section Height: 20" (508 mm)

**Section Dimensions (Right Side):**

- Top Section Height: 11.5" (292 mm)
- Section Height: 9" EM (229 mm)
- Section Height: 20" (508 mm)
- Section Height: 8" EM (203 mm)
- Section Height: 9" EM (229 mm)
- Section Height: 18" (457 mm)
- Section Height: 9.5" (241 mm)
- Section Height: 2" (51 mm)
- Section Height: 12.2" (310 mm)
- Section Height: 27.6" (701 mm)
- Section Height: 54" (1371 mm)
- Section Height: 14.2" (361 mm)

**Internal Dimensions (Bottom):**

- Left Margin: 19.1" (485 mm)
- Text Width: 243.9" (6190 mm)
- Right Margin: 19" (483 mm)

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

**MOUNTING: OVERHEAD CANTILEVER (OC-X)**

Overall dimensions: 204" (width) x 174" (height).

Sign content: E-PASS OR PAY BY PLATE, WEST 516 TOLL TO 27, Clermont Haines City, and an arrow pointing up and to the right.

Dimensions (Left side): 12", 24", 2" 10", 14", 12"/10"(2), 46", 13.3"(1), 10", 13.3"(1), 17.4".

Dimensions (Right side): 11.5" 9"EM, 20", 9"EM 8"EM, 9"EM 18", 9.5" 2", 20", 33", 36", 10"(2), 23", 83", 22.6", 24.4".

Dimensions (Bottom): 18", 168.1", 17.9".

Font: (1) ClearviewHwy-5-W, (2) ClearviewHwy-4-W.

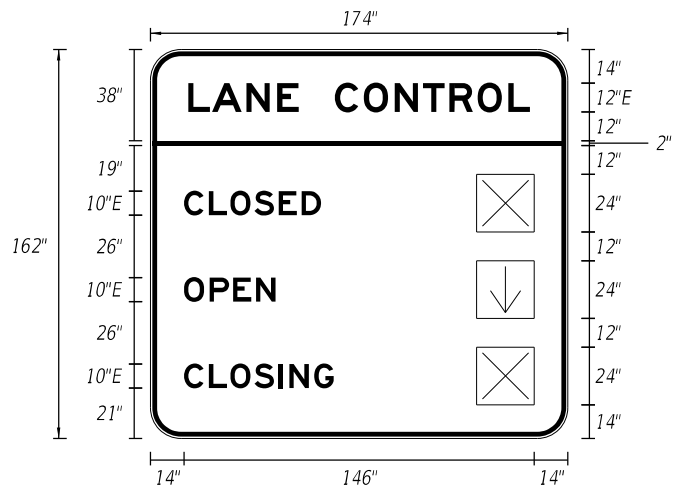
ZIP 999	SIGNING AND PAVEMENT MARKING DETAILS		<div style="background-color: black; color: white; padding: 5px; text-align: center;"> <b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b> </div>	<div style="text-align: center;"> <i>GUIDE SIGN WORKSHEET</i>  <i>SIGNS PA-1, 607, 608</i> </div>	SHEET NO.
	ROAD NO.	PROJECT NO.			64

SIGN NUMBER	PTSU-1
QUANTITY	
WIDTH	14'-6" (174")
HEIGHT	13'-6" (162")
BORDER WIDTH	2"
BORDER RADII	12"
BORDER INSET	0.75"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

[illegible]

NOTES:

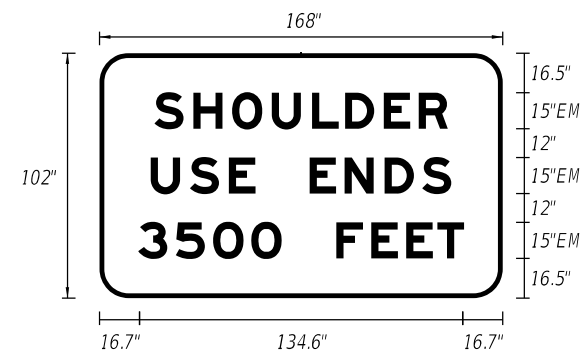
NOTE: 10% EXTRA INTER-LETTER SPACE IS INCLUDED ON PANELS WITH BLACK LEGEND ON YELLOW BORDER.



EXAMPLES:  
LANE CONTROL SIGN  
SHOULDER USE SIGNS

SIGN NUMBER	PTSU-3
QUANTITY	
WIDTH	14'-0" (168")
HEIGHT	8'-6" (102")
BORDER WIDTH	2"
BORDER RADII	12"
BORDER INSET	N/A
BACKGROUND COLOR	Yellow
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:



NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.  
END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

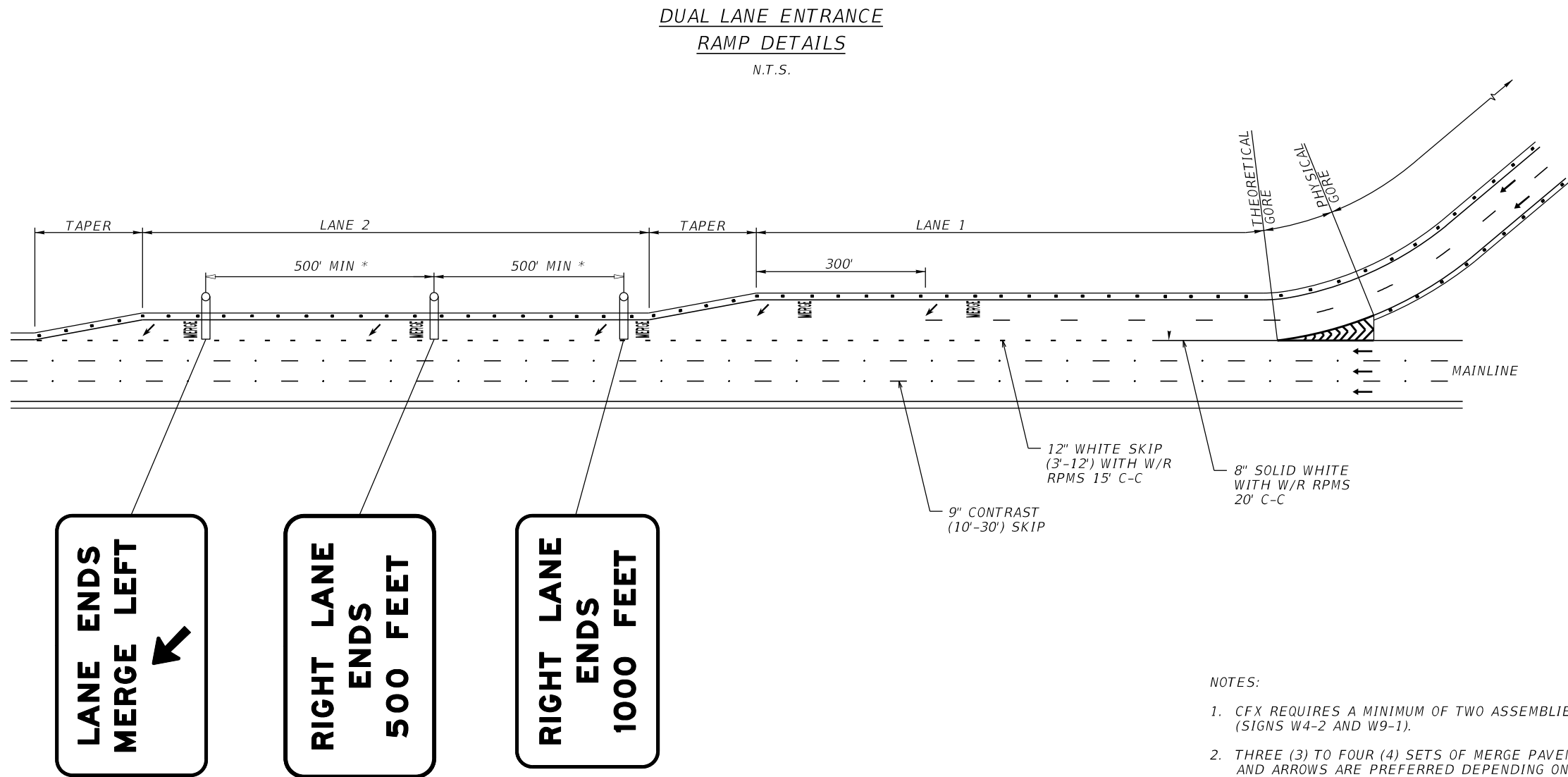
DATE	DESCRIPTION	DATE	DESCRIPTION

SIGNING AND PAVEMENT MARKING DETAILS	
ROAD NO.	PROJECT NO.

*GUIDE SIGN WORKSHEET*  
*PTSU SIGNS*

65

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\48-04.dgn 5:56:40 PM 2/23/2023 zfincher



- NOTES:
1. CFX REQUIRES A MINIMUM OF TWO ASSEMBLIES PER MUTCD (SIGNS W4-2 AND W9-1).
  2. THREE (3) TO FOUR (4) SETS OF MERGE PAVEMENT MESSAGES AND ARROWS ARE PREFERRED DEPENDING ON LENGTH OF LANE 2. A MINIMUM OF TWO (2) SETS IS REQUIRED.
  3. ← INDICATES DIRECTION OF TRAFFIC.
  4. \* OMIT SECOND DISTANCE SIGN FOR LENGTHS LESS THAN 1000'.
  5. DISTANCE SHOWN ON SIGNS TO BE PROJECT SPECIFIC.
  6. SEE SIGN DETAILS, NEXT SHEET.

NOTE:  
THIS DETAIL SHALL ONLY BE USED AT THE DIRECTION OF CFX.

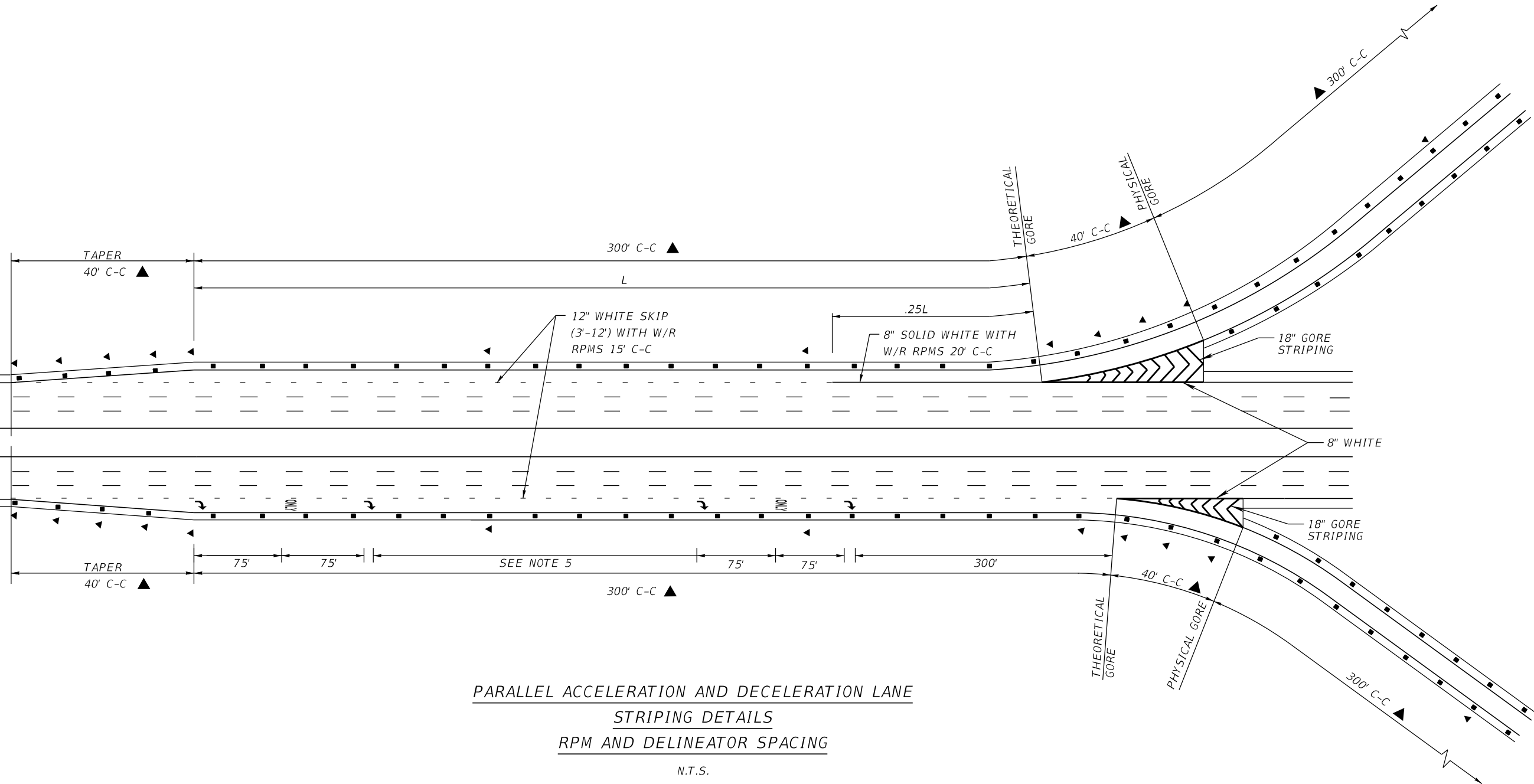
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	DUAL LANE ENTRANCE RAMP DETAILS		SHEET	
DATE	DESCRIPTION	DATE	DESCRIPTION							NO.	
										66	

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\48-05.dgn 2/23/2023 5:56:41 PM zfincher

<table><tr><td>SIGN NUMBER</td><td>701</td></tr><tr><td>QUANTITY</td><td></td></tr><tr><td>WIDTH</td><td>15'-0" (180")</td></tr><tr><td>HEIGHT</td><td>8'-6" (102")</td></tr><tr><td>BORDER WIDTH</td><td>2"</td></tr><tr><td>BORDER RADII</td><td>12"</td></tr><tr><td>BORDER INSET</td><td>N/A</td></tr><tr><td>BACKGROUND COLOR</td><td>Yellow</td></tr><tr><td>LEGEND &amp; BORDER COLOR</td><td>Black</td></tr><tr><td>SHEETING</td><td>DG3</td></tr><tr><td colspan="2">NOTES:</td></tr></table>		SIGN NUMBER	701	QUANTITY		WIDTH	15'-0" (180")	HEIGHT	8'-6" (102")	BORDER WIDTH	2"	BORDER RADII	12"	BORDER INSET	N/A	BACKGROUND COLOR	Yellow	LEGEND & BORDER COLOR	Black	SHEETING	DG3	NOTES:		<p>MOUNTING: OVERHEAD CANTILEVER (OC-X)</p> <div></div>																		<p>USE: OVERHEAD LANE ENDS SIGNING</p>																																																																																																																																																																																																																																																																																																																																																																																			
SIGN NUMBER	701																																																																																																																																																																																																																																																																																																																																																																																																																												
QUANTITY																																																																																																																																																																																																																																																																																																																																																																																																																													
WIDTH	15'-0" (180")																																																																																																																																																																																																																																																																																																																																																																																																																												
HEIGHT	8'-6" (102")																																																																																																																																																																																																																																																																																																																																																																																																																												
BORDER WIDTH	2"																																																																																																																																																																																																																																																																																																																																																																																																																												
BORDER RADII	12"																																																																																																																																																																																																																																																																																																																																																																																																																												
BORDER INSET	N/A																																																																																																																																																																																																																																																																																																																																																																																																																												
BACKGROUND COLOR	Yellow																																																																																																																																																																																																																																																																																																																																																																																																																												
LEGEND & BORDER COLOR	Black																																																																																																																																																																																																																																																																																																																																																																																																																												
SHEETING	DG3																																																																																																																																																																																																																																																																																																																																																																																																																												
NOTES:																																																																																																																																																																																																																																																																																																																																																																																																																													
<table><tr><td>COPY</td><td></td><td>R</td><td>I</td><td>G</td><td>H</td><td>T</td><td></td><td>L</td><td>A</td><td>N</td><td>E</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td></tr><tr><td>SPACE</td><td>17.2</td><td colspan="5">65</td><td>22.5</td><td colspan="5">58.1</td><td>17.2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>145.6</td></tr><tr><td>COPY</td><td></td><td>E</td><td>N</td><td>D</td><td>S</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td></tr><tr><td>SPACE</td><td>60.4</td><td colspan="5">59.1</td><td>60.5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>59.1</td></tr><tr><td>COPY</td><td></td><td>1</td><td>0</td><td>0</td><td>0</td><td></td><td>F</td><td>E</td><td>E</td><td>T</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td></tr><tr><td>SPACE</td><td>25.7</td><td colspan="5">52.8</td><td>22.5</td><td colspan="5">53.3</td><td>25.7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>128.6</td></tr><tr><td>COPY</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>SPACE</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>COPY</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>SPACE</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		COPY		R	I	G	H	T		L	A	N	E									L	SPACE	17.2	65					22.5	58.1					17.2								145.6	COPY		E	N	D	S															L	SPACE	60.4	59.1					60.5													59.1	COPY		1	0	0	0		F	E	E	T										L	SPACE	25.7	52.8					22.5	53.3					25.7								128.6	COPY																					SPACE																					COPY																					SPACE																																																																																																																																																																																																																												
COPY		R	I	G	H	T		L	A	N	E									L																																																																																																																																																																																																																																																																																																																																																																																																									
SPACE	17.2	65					22.5	58.1					17.2								145.6																																																																																																																																																																																																																																																																																																																																																																																																								
COPY		E	N	D	S															L																																																																																																																																																																																																																																																																																																																																																																																																									
SPACE	60.4	59.1					60.5													59.1																																																																																																																																																																																																																																																																																																																																																																																																									
COPY		1	0	0	0		F	E	E	T										L																																																																																																																																																																																																																																																																																																																																																																																																									
SPACE	25.7	52.8					22.5	53.3					25.7								128.6																																																																																																																																																																																																																																																																																																																																																																																																								
COPY																																																																																																																																																																																																																																																																																																																																																																																																																													
SPACE																																																																																																																																																																																																																																																																																																																																																																																																																													
COPY																																																																																																																																																																																																																																																																																																																																																																																																																													
SPACE																																																																																																																																																																																																																																																																																																																																																																																																																													
<table><tr><td>SIGN NUMBER</td><td>702</td></tr><tr><td>QUANTITY</td><td></td></tr><tr><td>WIDTH</td><td>15'-0" (180")</td></tr><tr><td>HEIGHT</td><td>8'-6" (102")</td></tr><tr><td>BORDER WIDTH</td><td>2"</td></tr><tr><td>BORDER RADII</td><td>12"</td></tr><tr><td>BORDER INSET</td><td>N/A</td></tr><tr><td>BACKGROUND COLOR</td><td>Yellow</td></tr><tr><td>LEGEND &amp; BORDER COLOR</td><td>Black</td></tr><tr><td>SHEETING</td><td>DG3</td></tr><tr><td colspan="2">NOTES:</td></tr></table>		SIGN NUMBER	702	QUANTITY		WIDTH	15'-0" (180")	HEIGHT	8'-6" (102")	BORDER WIDTH	2"	BORDER RADII	12"	BORDER INSET	N/A	BACKGROUND COLOR	Yellow	LEGEND & BORDER COLOR	Black	SHEETING	DG3	NOTES:		<p>MOUNTING: OVERHEAD CANTILEVER (OC-X)</p> <div></div>																		<table><tr><td>SIGN NUMBER</td><td>703</td></tr><tr><td>QUANTITY</td><td></td></tr><tr><td>WIDTH</td><td>15'-6" (186")</td></tr><tr><td>HEIGHT</td><td>9'-0" (108")</td></tr><tr><td>BORDER WIDTH</td><td>2"</td></tr><tr><td>BORDER RADII</td><td>12"</td></tr><tr><td>BORDER INSET</td><td>N/A</td></tr><tr><td>BACKGROUND COLOR</td><td>Yellow</td></tr><tr><td>LEGEND &amp; BORDER COLOR</td><td>Black</td></tr><tr><td>SHEETING</td><td>DG3</td></tr><tr><td colspan="2">NOTES:</td></tr></table>																		SIGN NUMBER	703	QUANTITY		WIDTH	15'-6" (186")	HEIGHT	9'-0" (108")	BORDER WIDTH	2"	BORDER RADII	12"	BORDER INSET	N/A	BACKGROUND COLOR	Yellow	LEGEND & BORDER COLOR	Black	SHEETING	DG3	NOTES:		<p>MOUNTING: OVERHEAD CANTILEVER (OC-X)</p> <div></div>																																																																																																																																																																																																																																																																																																																																											
SIGN NUMBER	702																																																																																																																																																																																																																																																																																																																																																																																																																												
QUANTITY																																																																																																																																																																																																																																																																																																																																																																																																																													
WIDTH	15'-0" (180")																																																																																																																																																																																																																																																																																																																																																																																																																												
HEIGHT	8'-6" (102")																																																																																																																																																																																																																																																																																																																																																																																																																												
BORDER WIDTH	2"																																																																																																																																																																																																																																																																																																																																																																																																																												
BORDER RADII	12"																																																																																																																																																																																																																																																																																																																																																																																																																												
BORDER INSET	N/A																																																																																																																																																																																																																																																																																																																																																																																																																												
BACKGROUND COLOR	Yellow																																																																																																																																																																																																																																																																																																																																																																																																																												
LEGEND & BORDER COLOR	Black																																																																																																																																																																																																																																																																																																																																																																																																																												
SHEETING	DG3																																																																																																																																																																																																																																																																																																																																																																																																																												
NOTES:																																																																																																																																																																																																																																																																																																																																																																																																																													
SIGN NUMBER	703																																																																																																																																																																																																																																																																																																																																																																																																																												
QUANTITY																																																																																																																																																																																																																																																																																																																																																																																																																													
WIDTH	15'-6" (186")																																																																																																																																																																																																																																																																																																																																																																																																																												
HEIGHT	9'-0" (108")																																																																																																																																																																																																																																																																																																																																																																																																																												
BORDER WIDTH	2"																																																																																																																																																																																																																																																																																																																																																																																																																												
BORDER RADII	12"																																																																																																																																																																																																																																																																																																																																																																																																																												
BORDER INSET	N/A																																																																																																																																																																																																																																																																																																																																																																																																																												
BACKGROUND COLOR	Yellow																																																																																																																																																																																																																																																																																																																																																																																																																												
LEGEND & BORDER COLOR	Black																																																																																																																																																																																																																																																																																																																																																																																																																												
SHEETING	DG3																																																																																																																																																																																																																																																																																																																																																																																																																												
NOTES:																																																																																																																																																																																																																																																																																																																																																																																																																													
<table><tr><td>COPY</td><td></td><td>R</td><td>I</td><td>G</td><td>H</td><td>T</td><td></td><td>L</td><td>A</td><td>N</td><td>E</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td></tr><tr><td>SPACE</td><td>17.2</td><td colspan="5">65</td><td>22.5</td><td colspan="5">58.1</td><td>17.2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>145.6</td></tr><tr><td>COPY</td><td></td><td>E</td><td>N</td><td>D</td><td>S</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td></tr><tr><td>SPACE</td><td>60.4</td><td colspan="5">59.1</td><td>60.5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>59.1</td></tr><tr><td>COPY</td><td></td><td>5</td><td>0</td><td>0</td><td></td><td>F</td><td>E</td><td>E</td><td>T</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td></tr><tr><td>SPACE</td><td>25.7</td><td colspan="5">52.8</td><td>22.5</td><td colspan="5">53.3</td><td>25.7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>128.6</td></tr><tr><td>COPY</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>SPACE</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>		COPY		R	I	G	H	T		L	A	N	E									L	SPACE	17.2	65					22.5	58.1					17.2								145.6	COPY		E	N	D	S															L	SPACE	60.4	59.1					60.5													59.1	COPY		5	0	0		F	E	E	T											L	SPACE	25.7	52.8					22.5	53.3					25.7								128.6	COPY																					SPACE																																							<table><tr><td>COPY</td><td></td><td>L</td><td>A</td><td>N</td><td>E</td><td></td><td>E</td><td>N</td><td>D</td><td>S</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td></tr><tr><td>SPACE</td><td>23.1</td><td colspan="5">58.1</td><td>22.5</td><td colspan="5">59.1</td><td>23.2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>139.7</td></tr><tr><td>COPY</td><td></td><td>M</td><td>E</td><td>R</td><td>G</td><td>E</td><td></td><td>L</td><td>E</td><td>F</td><td>T</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td></tr><tr><td>SPACE</td><td>17.8</td><td colspan="5">75.4</td><td>22.5</td><td colspan="5">52.4</td><td>17.9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>150.3</td></tr><tr><td>COPY</td><td></td><td>↖</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td></tr><tr><td>SPACE</td><td>79.2</td><td>27.5</td><td>79.3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>27.5</td></tr><tr><td>COPY</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>SPACE</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																		COPY		L	A	N	E		E	N	D	S										L	SPACE	23.1	58.1					22.5	59.1					23.2								139.7	COPY		M	E	R	G	E		L	E	F	T									L	SPACE	17.8	75.4					22.5	52.4					17.9								150.3	COPY		↖																		L	SPACE	79.2	27.5	79.3																	27.5	COPY																					SPACE																					<p>NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.</p>																		<p>NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.</p>																	
COPY		R	I	G	H	T		L	A	N	E									L																																																																																																																																																																																																																																																																																																																																																																																																									
SPACE	17.2	65					22.5	58.1					17.2								145.6																																																																																																																																																																																																																																																																																																																																																																																																								
COPY		E	N	D	S															L																																																																																																																																																																																																																																																																																																																																																																																																									
SPACE	60.4	59.1					60.5													59.1																																																																																																																																																																																																																																																																																																																																																																																																									
COPY		5	0	0		F	E	E	T											L																																																																																																																																																																																																																																																																																																																																																																																																									
SPACE	25.7	52.8					22.5	53.3					25.7								128.6																																																																																																																																																																																																																																																																																																																																																																																																								
COPY																																																																																																																																																																																																																																																																																																																																																																																																																													
SPACE																																																																																																																																																																																																																																																																																																																																																																																																																													
COPY		L	A	N	E		E	N	D	S										L																																																																																																																																																																																																																																																																																																																																																																																																									
SPACE	23.1	58.1					22.5	59.1					23.2								139.7																																																																																																																																																																																																																																																																																																																																																																																																								
COPY		M	E	R	G	E		L	E	F	T									L																																																																																																																																																																																																																																																																																																																																																																																																									
SPACE	17.8	75.4					22.5	52.4					17.9								150.3																																																																																																																																																																																																																																																																																																																																																																																																								
COPY		↖																		L																																																																																																																																																																																																																																																																																																																																																																																																									
SPACE	79.2	27.5	79.3																	27.5																																																																																																																																																																																																																																																																																																																																																																																																									
COPY																																																																																																																																																																																																																																																																																																																																																																																																																													
SPACE																																																																																																																																																																																																																																																																																																																																																																																																																													
<table><tr><th colspan="4">REVISIONS</th></tr><tr><th>DATE</th><th>DESCRIPTION</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td></td><td></td><td></td><td></td></tr></table>		REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999</p>		<table><tr><th colspan="2">SIGNING AND PAVEMENT MARKING DETAILS</th></tr><tr><td>ROAD NO.</td><td>PROJECT NO.</td></tr><tr><td></td><td></td></tr></table>		SIGNING AND PAVEMENT MARKING DETAILS		ROAD NO.	PROJECT NO.			<p><b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b></p>		<p>GUIDE SIGN WORKSHEET SIGNS 701 - 703</p>						<table><tr><td>SHEET NO.</td></tr><tr><td>67</td></tr></table>		SHEET NO.	67																																																																																																																																																																																																																																																																																																																																																																																										
REVISIONS																																																																																																																																																																																																																																																																																																																																																																																																																													
DATE	DESCRIPTION	DATE	DESCRIPTION																																																																																																																																																																																																																																																																																																																																																																																																																										
SIGNING AND PAVEMENT MARKING DETAILS																																																																																																																																																																																																																																																																																																																																																																																																																													
ROAD NO.	PROJECT NO.																																																																																																																																																																																																																																																																																																																																																																																																																												
SHEET NO.																																																																																																																																																																																																																																																																																																																																																																																																																													
67																																																																																																																																																																																																																																																																																																																																																																																																																													



W:\50088189\CFX Design Guidelines\CADD and Details\SPM\48-03.dgn 6:09:16 PM 2/23/2023 zfincher



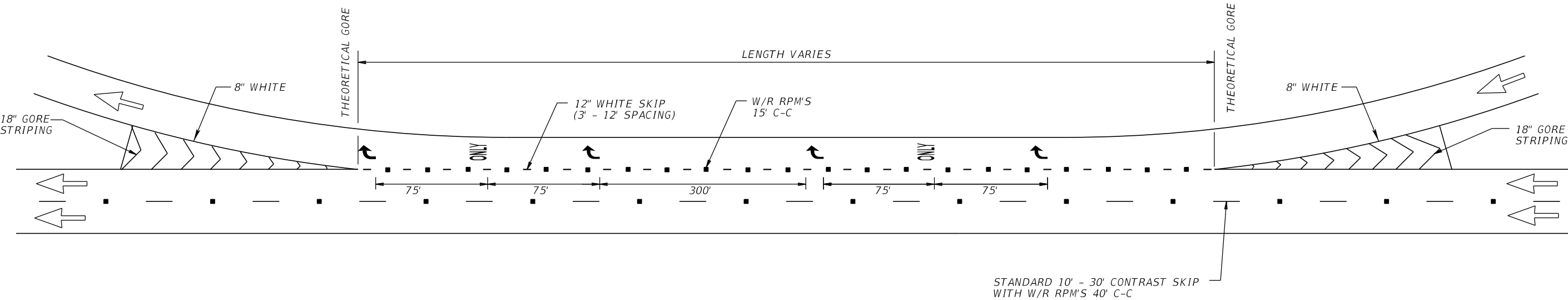
PARALLEL ACCELERATION AND DECELERATION LANE  
STRIPING DETAILS  
RPM AND DELINEATOR SPACING  
N.T.S.

- NOTES:
- 1. = DELINEATORS  
 = RPMS
  - 2. EDGE LINE RPM SPACING IS 40' C-C THROUGH FULL LENGTH OF ACCEL/DECEL LANES, TAPERS AND RAMPS.
  - 3. FIRST SET OF PAVEMENT MARKING MESSAGES SHALL BE PLACED AT BEGINNING OF PARALLEL DECELERATION LANE (FULL 12' LANE WIDTH).

- 4. LAST SET OF PAVEMENT MARKING MESSAGES SHALL BE PLACED AT THE THEORETICAL GORE AS SHOWN.
- 5. PAVEMENT MARKING MESSAGES BETWEEN FIRST AND LAST SETS ARE TO BE EQUALLY SPACED AND SHOULD BE 300' (MIN) APART DEPENDING ON LENGTH OF PARALLEL DECELERATION LANE.

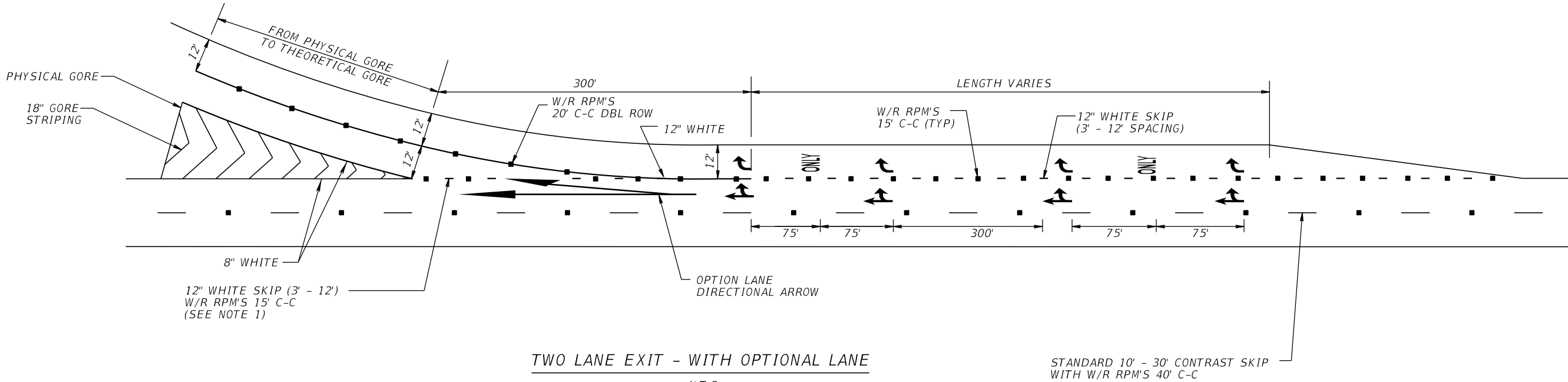
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TYPICAL PAVEMENT MARKINGS PARALLEL RAMPS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
									68

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\48-01.dgn 5:56:41 PM 2/23/2023 zfincher



AUXILIARY LANE BETWEEN INTERCHANGES  
N.T.S.

- NOTES:
- ← INDICATES DIRECTION OF TRAFFIC.




- NOTE:
- BREAK 3'-12' SKIP AT OPTION LANE ARROW.
  - LAST SET OF PAVEMENT MARKING MESSAGES SHALL BE PLACED AT BEGINNING OF 12" SOLID LINE AS SHOWN.

TWO LANE EXIT - WITH OPTIONAL LANE  
N.T.S.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	TYPICAL PAVEMENT MARKING PARALLEL EXIT RAMP		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				69	

*N.T.S.*

NOTES:

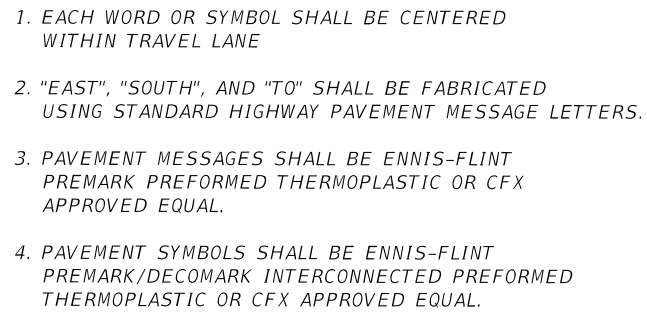
1. MINIMUM LENGTH VARIES DEPENDING ON ACTUAL GEOMETRY.
2. ALIGN 3'-12' SKIP WITH FIRST "EXIT ONLY" OVERHEAD SIGN
3. BREAK 3'-12' SKIP AT OPTION LANE ARROW.
4. FIRST SET OF PAVEMENT MARKING ARROWS TO BE PLACED AT BEGINNING OF 12" (3'-12') SKIP AS SHOWN.
5. LAST SET OF PAVEMENT MARKING ARROWS TO BE PLACED AT BEGINNING OF 12" SOLID LINE AS SHOWN.
6. SPACE ARROW/"ONLY" SETS EVENLY BETWEEN THE FIRST AND LAST SET, WITH A MINIMUM DISTANCE OF 300' BETWEEN SETS.
7.  INDICATES DIRECTION OF TRAFFIC.

TWO LANE EXIT - WITHOUT OPTIONAL LANE  
(MAINLINE LANE DROP)

N.T.S.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS	<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	TYPICAL PAVEMENT MARKING  PARALLEL EXIT RAMPS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					

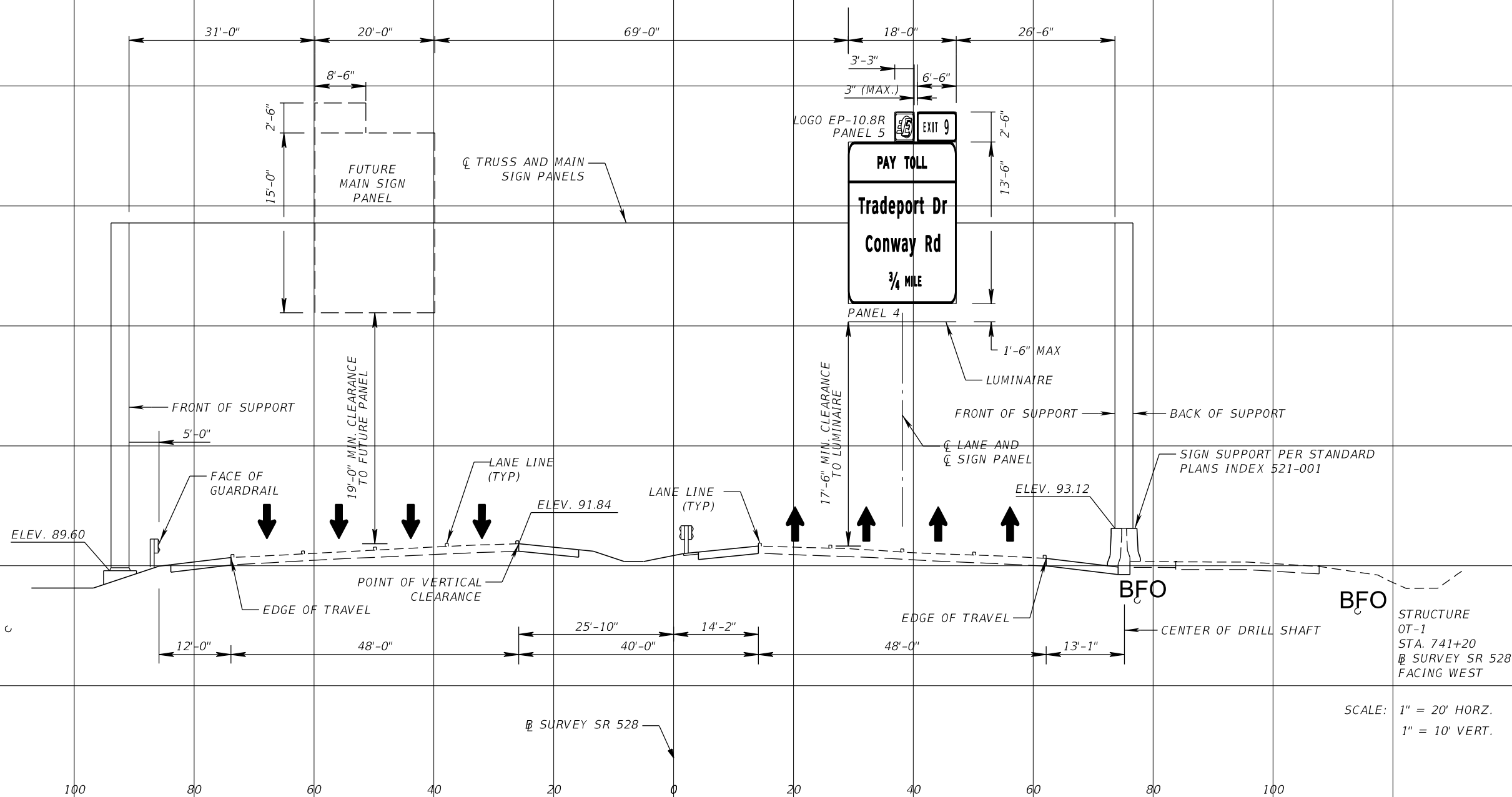
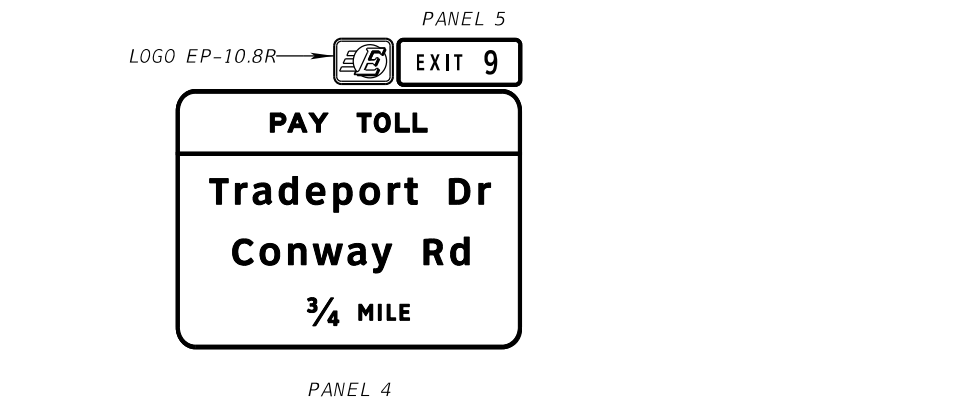




REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	PERFORMED HORIZONTAL SIGNING DETAILS (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

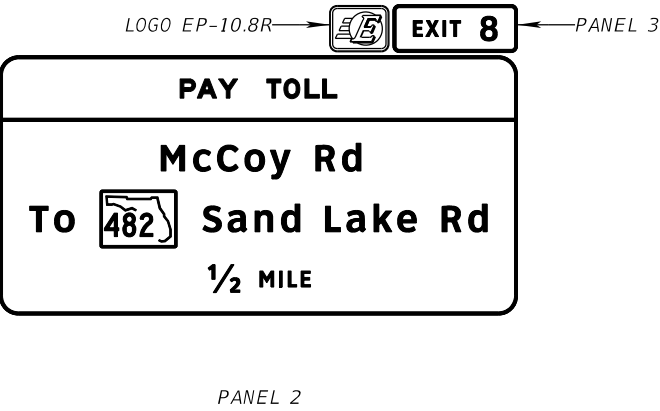
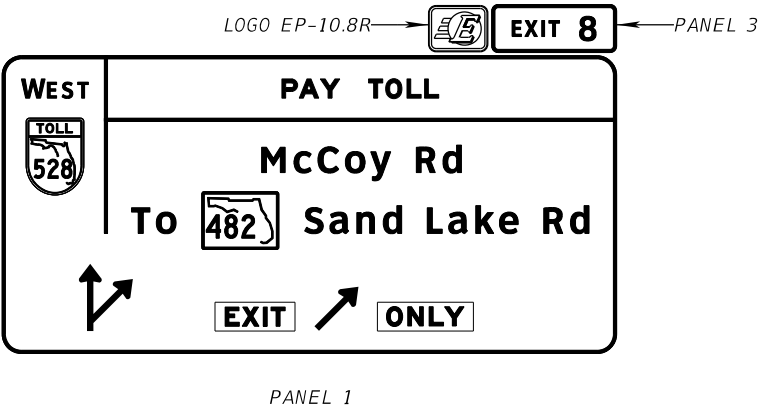


1. ASSUMED DATUM MAY ONLY BE USED FOR PROJECTS LIMITED TO SIGNING.
2. ACTUAL ELEVATIONS ARE REQUIRED FOR NEW ROADWAY CONSTRUCTION, INCLUDING SIGN STRUCTURES OUTSIDE THE LIMITS OF CONSTRUCTION. APPLIES TO PROPOSED SIGN STRUCTURES AND EXISTING TO BE MODIFIED. DOES NOT APPLY WHEN SIGNS ON EXISTING STRUCTURES ARE TO BE OVERLAID.
3. THIS SHEET PROVIDED AS AN EXAMPLE ONLY AND IS NOT FOR USE IN ACTUAL PLANS. ALL DETAILS ON THIS SHEET SHOULD BE PROJECT SPECIFIC.
4. IF EXIT NUMBER PLAQUES HAVE SEPARATE UNIQUE PANEL NUMBERS, ADD TO SHEET.

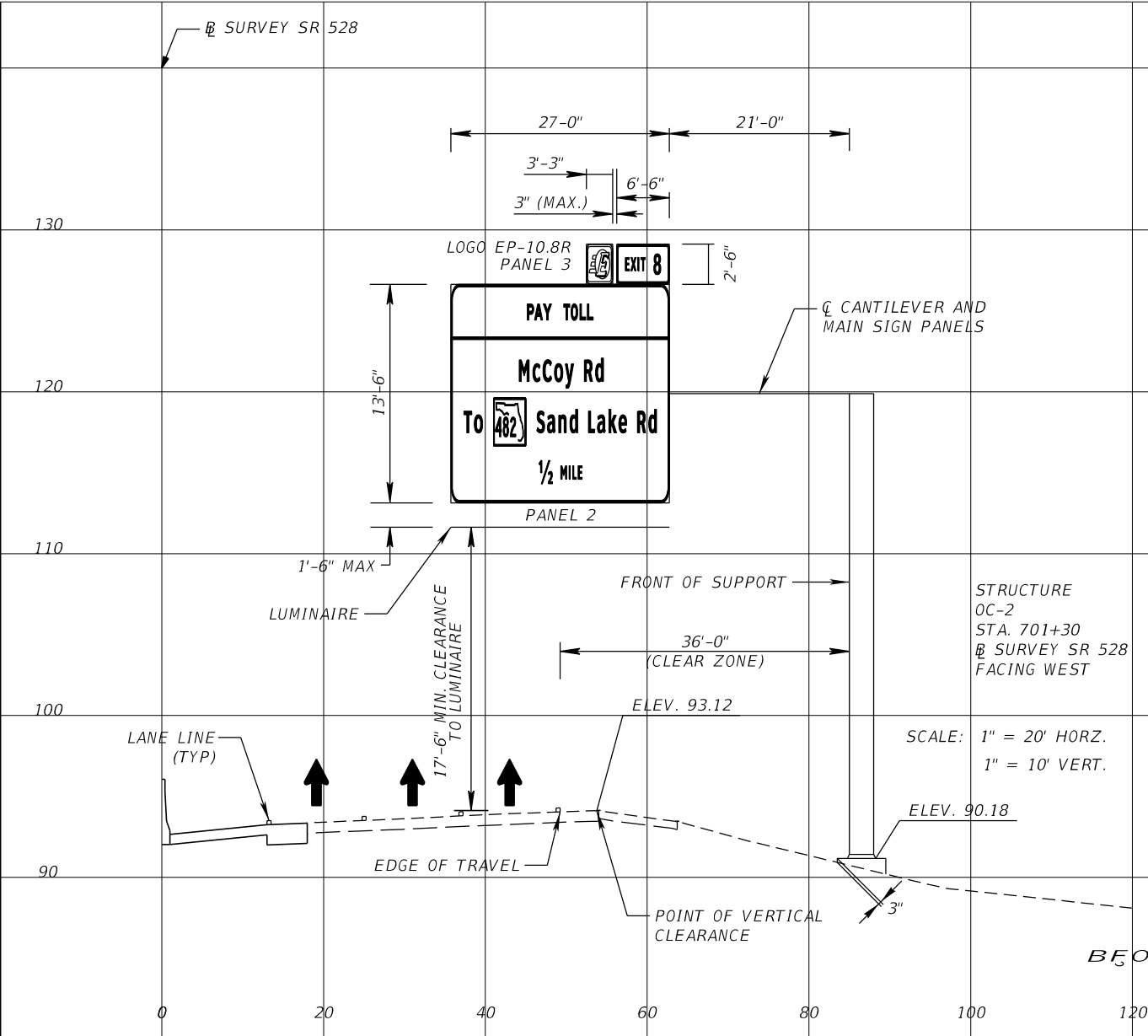
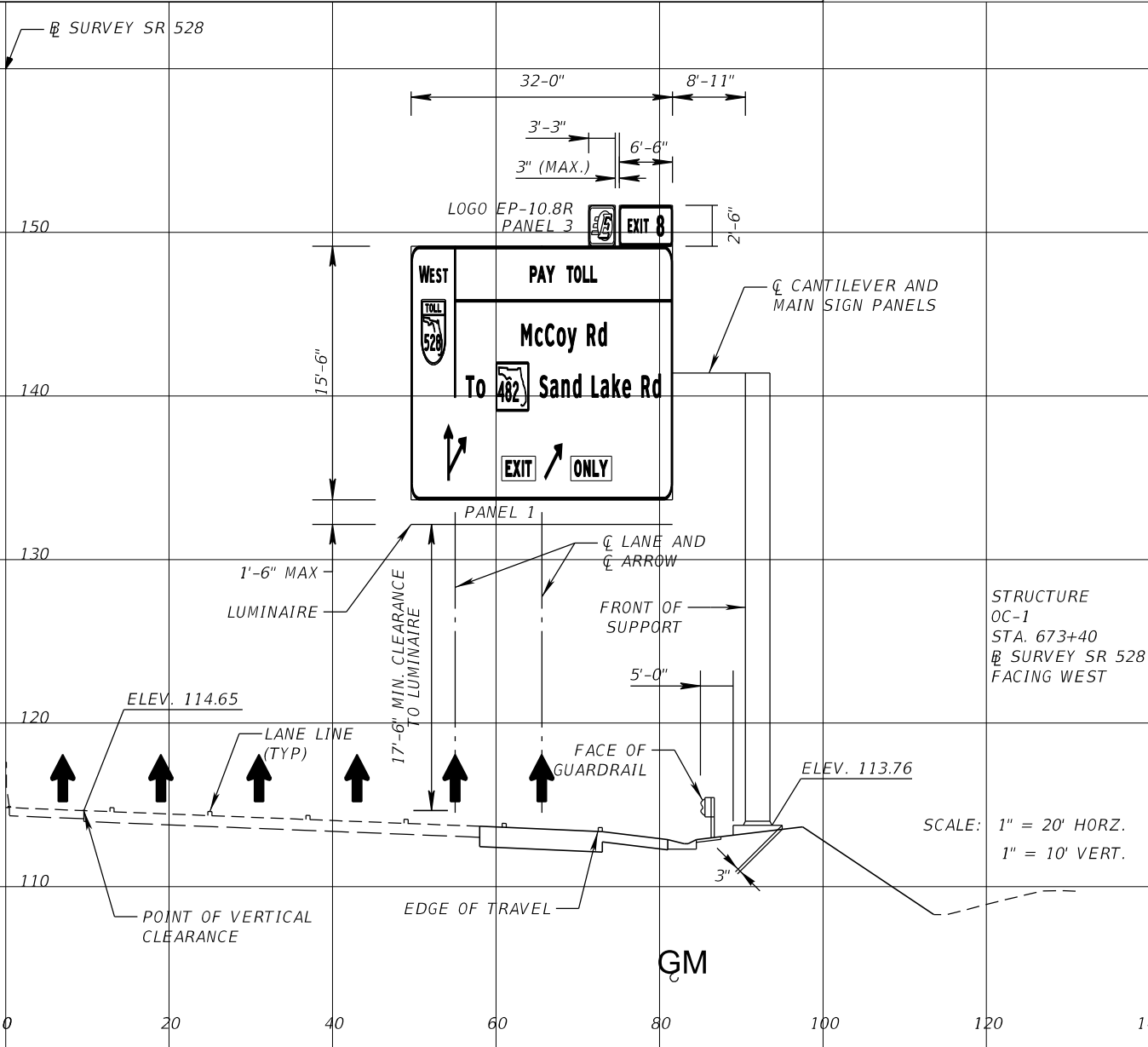


REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	SIGN CROSS SECTIONS  OT-1	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

- NOTES TO CONSULTANT:
1. ASSUMED DATUM MAY ONLY BE USED FOR PROJECTS LIMITED TO SIGNING.
  2. ACTUAL ELEVATIONS ARE REQUIRED FOR NEW ROADWAY CONSTRUCTION, INCLUDING SIGN STRUCTURES OUTSIDE THE LIMITS OF CONSTRUCTION. APPLIES TO PROPOSED SIGN STRUCTURES AND EXISTING TO BE MODIFIED. DOES NOT APPLY WHEN SIGNS ON EXISTING STRUCTURES ARE TO BE OVERLAID.
  3. THIS SHEET PROVIDED AS AN EXAMPLE ONLY AND IS NOT FOR USE IN ACTUAL PLANS. ALL DETAILS ON THIS SHEET SHOULD BE PROJECT SPECIFIC.
  4. IF EXIT NUMBER PLAQUES HAVE SEPARATE UNIQUE PANEL NUMBERS, ADD TO SHEET.
  5. HORIZONTAL CLEARANCE MEASURED TO NEAR EDGE OF FOUNDATION WHEN EXTENSION ABOVE GROUND EXCEEDS 3".



W:\50088189\CFX Design Guidelines\CADD and Details\SPM\45-01.dgn 5:56:43 PM 2/23/2023 zfincher

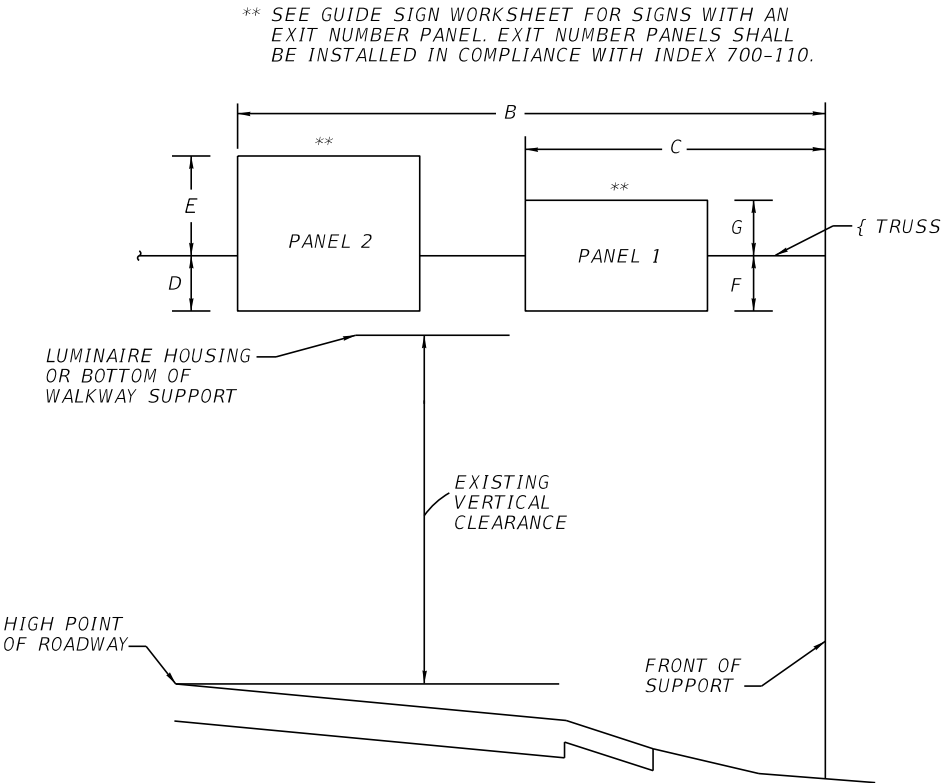


REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	SIGN CROSS SECTIONS  OC-1, OC-2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.



W:\50088189\CFX Design Guidelines\CADD and Details\SPM\45-03.dgn 5:56:44 PM 2/23/2023 zfincher

LOCATION DATA FOR PROPOSED PANELS ON EXISTING STRUCTURES												
STRUCTURE NUMBER	DESCRIPTION	STATION	PANEL 1		PANEL 2		PANEL LOCATION					
			NO.	DIMENSION	NO.	DIMENSION	(B)	(C)	(D)	(E)	(F)	(G)
OT-2	SPAN	1238+75	105A	21'-6" X 7'-0"	105B	21'-6" X 18'-0"	52'-9"	28'-3"	8'-3"	9'-9"	8'-3"	8'-3"
OT-17	SPAN	1478+43	170	19'-6" X 9'-0"	---	---	69'-6"	---				



SCHEMATIC ELEVATION

- NOTES TO CONSULTANT:
- OT-2 AND OT-17 SHOWN FOR EXAMPLE PURPOSES ONLY.
  - ADD OR DELETE NOTES AND/OR COLUMNS, AS NECESSARY FOR SPECIFIC PROJECT.
  - ADD PAY ITEM NOTE(S) ON APPROPRIATE SHEET ADDRESSING ITEMS 2 AND 3 IN NOTES ON THIS SHEET.
  - REMOVE BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

- NOTES:
- PROPOSED PANEL LOCATIONS ARE BASED ON AS-BUILT DRAWINGS AND/OR SHOP DRAWINGS BELIEVED TO BE ACCURATE. CONTRACTOR SHALL VERIFY ALL NECESSARY CONDITIONS PRIOR TO PANEL INSTALLATIONS AND NOTIFY CEI OF ANY DISCREPANCIES FOR POSSIBLE RE-EVALUATION.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	PANEL LOCATIONS ON EXISTING STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
									76

NOTES:

1) Grout shall be a non-shrink grout with a mnum 5.0 ksi compressive strength at 3-days.  
Conform to Specification Section 934.

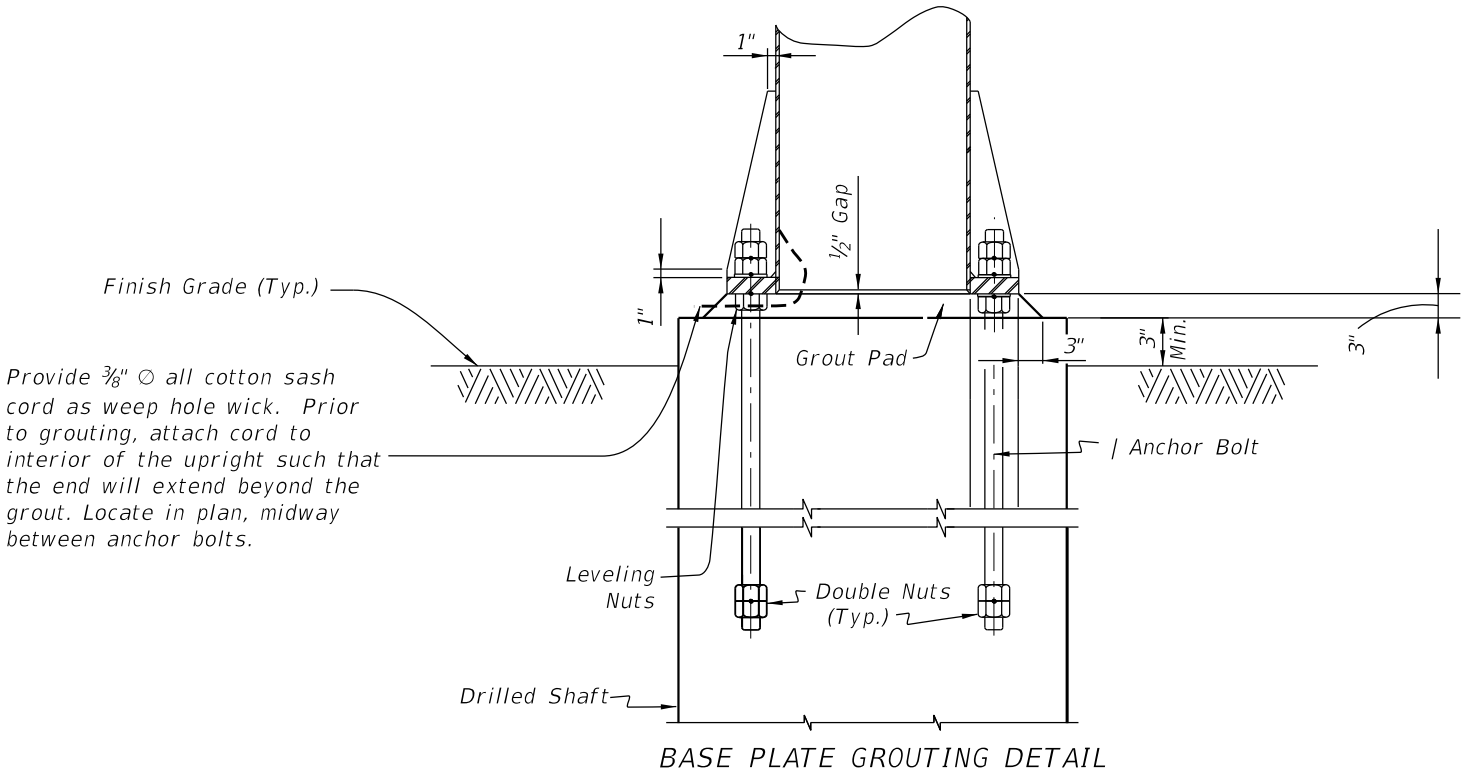
2) Grouting:

- a) Preparation: Flush the top of the foundation with clean water to remove any dirt and debris. Immediately before grouting, saturate the concrete surfaces by ponding or by placement of saturated rags for a minimum period of two hours. Remove all freestanding water before beginning the grouting operation.
- b) Forming: Use watertight non-absorbent forms with a form release agent applied to all interior surfaces. Maintain a 1 inch (25 mm) clearance between the forms and the base plate. Extend the form a minimum of 1 inch (25 mm) above the bottom of the base plate. Attach a head box with a 45 degree slope on the form for grout placement.

c) Mixing: Use only fresh unopened full bags of grout. Mix the grout in a clean, power driven mortar mixer or with a heavy duty drill (850 RPM maximum) using a commercial mixing paddle. Mix the grout in accordance with the manufacturer's instructions. Test the fluidity of the grout using the ASTM C 939 Flow Cone Method. Use grouts that meet the efflux time of 20 to 30 seconds. Do not remix grouts that have begun to set.

d) Placing and Curing: Pour the grout from only one side of the base plate through the head box until the grout has filled the entire form and extends a minimum of ¼ inch (6 mm) above the bottom of the base plate. Do not allow the grout to overtop the base plate. Do not vibrate grout. Clean excess grout off the base plate after the grout has reached initial set (two to four hours). Cure the grout for a minimum of six hours by covering the entire grout surface with clean saturated rags. Remove the forms after verifying the grout is self supporting by penetration with a pointed masons trowel or other sufficient tool. Cure all exposed grout with a membrane curing compound.

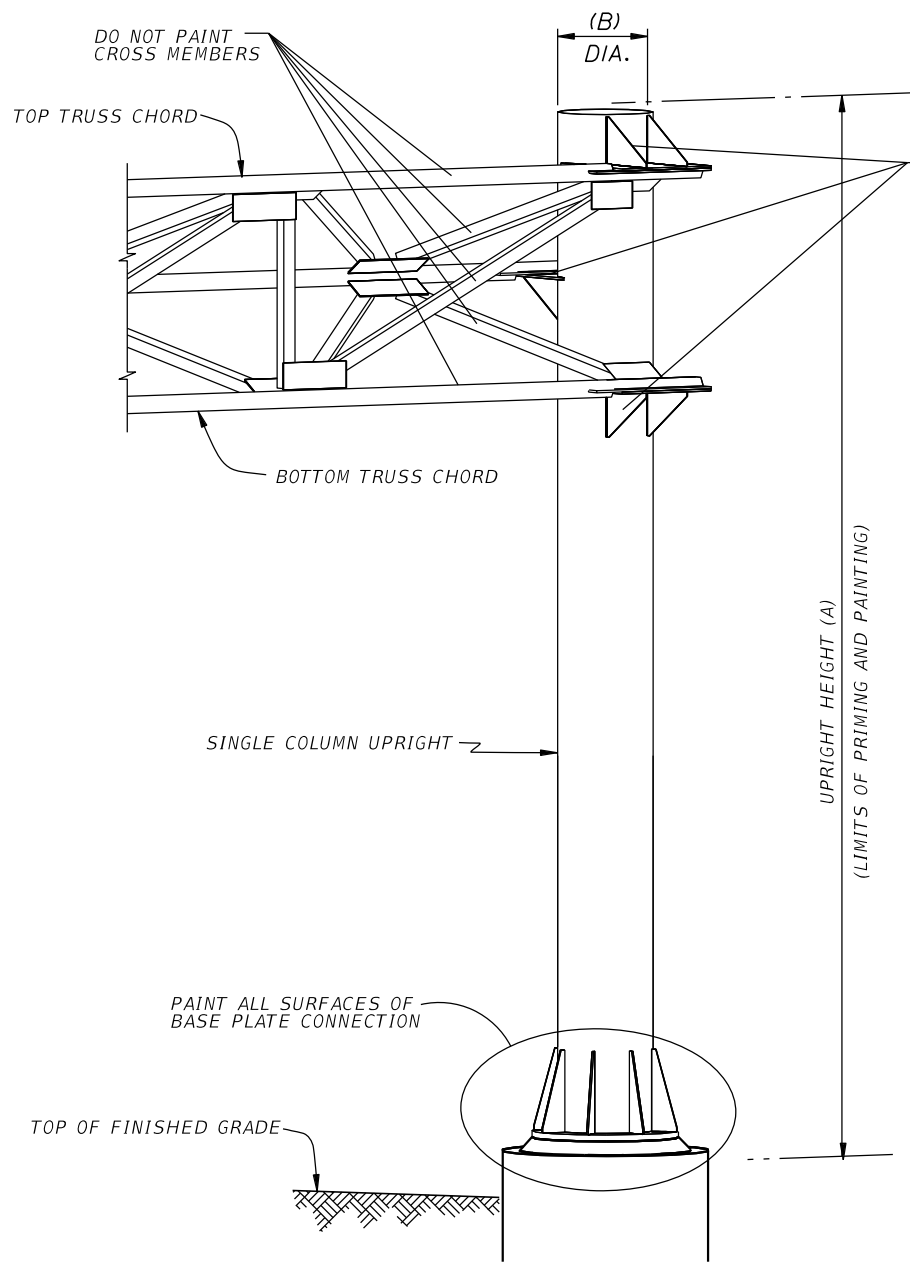
3) The CEI shall exercise special attention during the grouting operation to assure complete grout placement under the base plate.



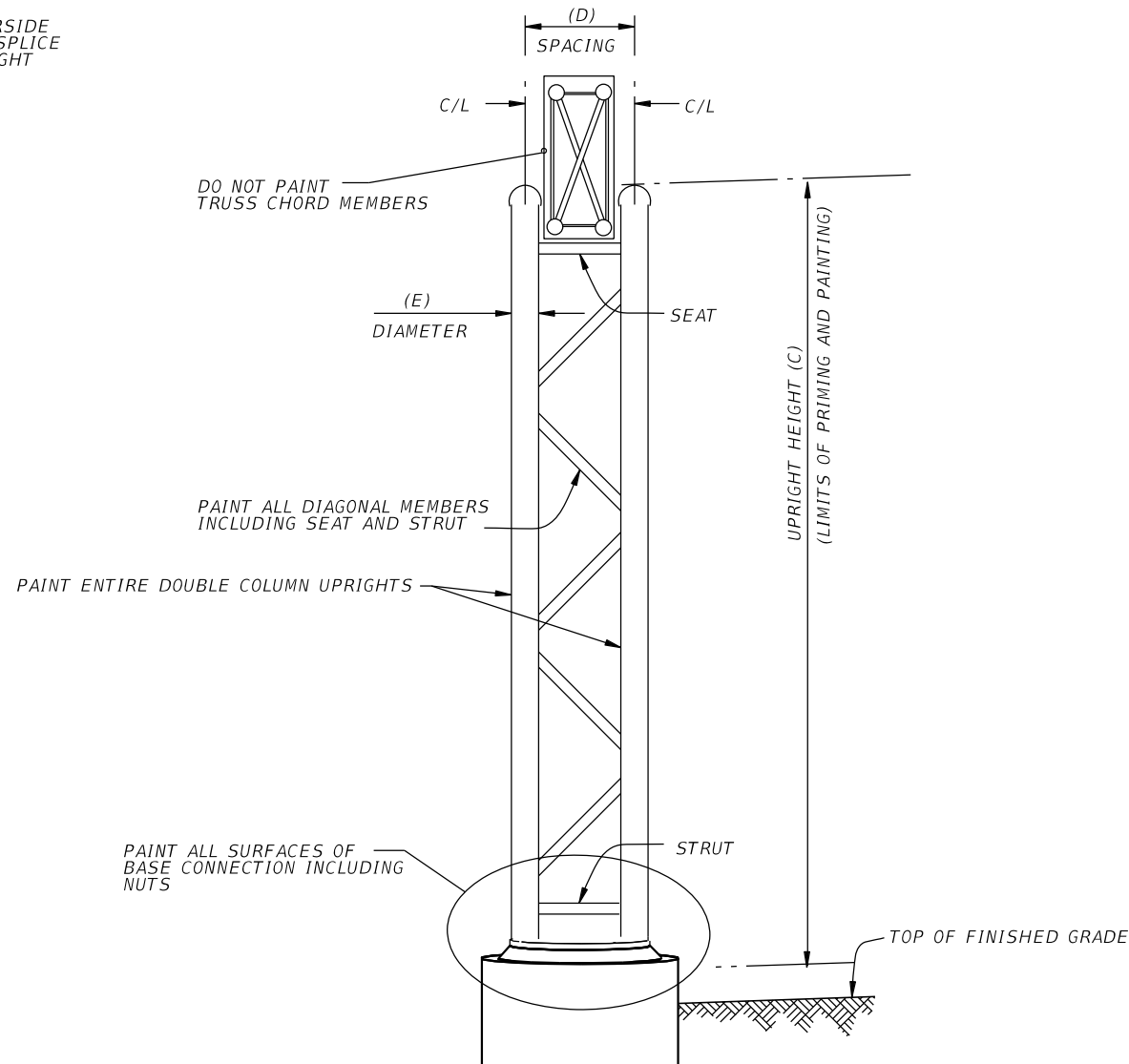
W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A5-04.dgn 5:56:49 PM 2/23/2023 zfincher

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	BASE PLATE GROUTING DETAILS		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
										77	

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A5-05.dgn 5:56:49 PM 2/23/2023 zfincher



SINGLE COLUMN SIGN UPRIGHT DETAIL  
N.T.S.



DOUBLE COLUMN SIGN UPRIGHT DETAIL  
N.T.S.


NOTES TO CONSULTANT:

1. CONSULTANT SHALL DETERMINE ALL DATA IN TABLE OF VARIABLES IF NOT PROVIDED IN DESIGN OR SHOP DRAWINGS. DATA SHOWN IS FOR EXAMPLE PURPOSES ONLY.
2. NUMBER OF DIAGONALS SHOWN IN DOUBLE COLUMN UPRIGHT DETAIL FOR GRAPHIC PURPOSES ONLY.
3. DELETE THIS BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

TABLE OF UPRIGHT PAINTING VARIABLES																	
STRUCTURE NUMBER	STATION	STRUCTURE TYPE	SINGLE COLUMN UPRIGHT				DOUBLE COLUMN UPRIGHT										NO. UPRIGHTS PER STR.
			HEIGHT (A)		DIAMETER (B)		HEIGHT (C)		SPACING (D)		DIAMETER (E)		DIAGONALS				
			LT	RT	LT	RT	LT	RT	LT	RT	LT	RT	LT	RT	LT	RT	
OC-1	3+00	CANTILEVER		31'-4"		24"											1
OT-3	11+00	SPAN TRUSS	38'-1 7/8"	37'-1 3/4"	36"	36"											2
EXISTING	19+00	SPAN TRUSS					26'-9"	27'-6"	5'-9"	5'-9"	14"	14"	6	7	4.5"	4.5"	2

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	SIGN UPRIGHT PAINTING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
									78



REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS			TRAILBLAZER ASSEMBLY -  ALUMINUM	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

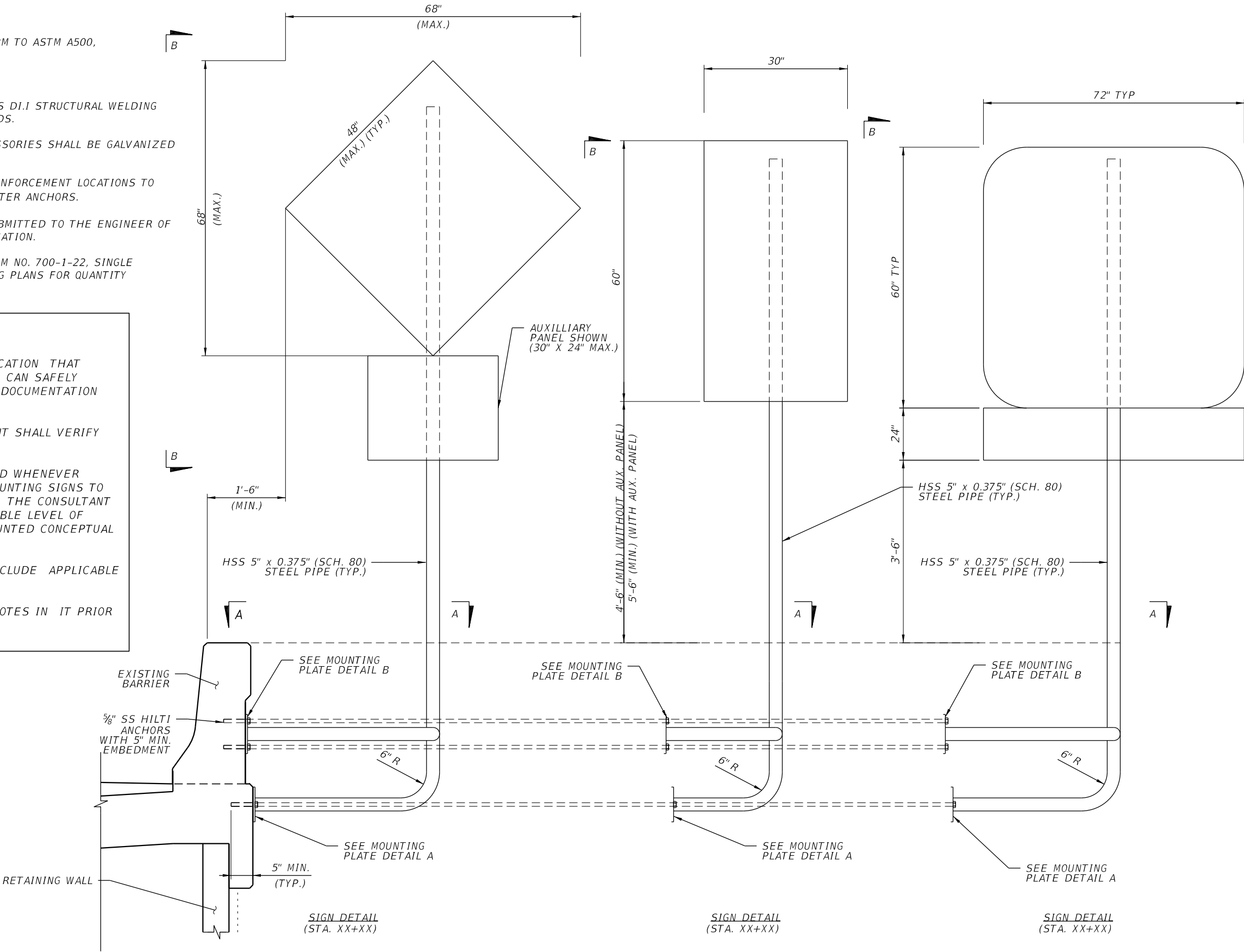
W:\50088189\CFX Design Guidelines\CADD and Details\SPM\AS-06.dgn 5:56:50 PM 2/23/2023 zfincher

NOTES:

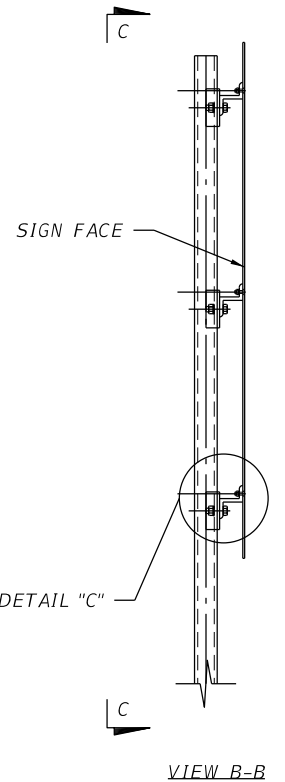
- 1. HOLLOW STRUCTURAL STEEL SECTIONS SHALL CONFORM TO ASTM A500, GRADE B (FY= 42 KSI).
- 2. STEEL PLATES SHALL CONFORM TO ASTM A36.
- 3. WELDING SHALL CONFORM TO LATEST EDITION OF AWS D1.1 STRUCTURAL WELDING CODE. ALL HSS WELDS TO BE ALL AROUND SEAL WELDS.
- 4. ALL STRUCTURAL STEEL PLATES, SHAPES, AND ACCESSORIES SHALL BE GALVANIZED ACCORDING TO FDOT SPECIFICATION SECTION 962-7.
- 5. THE CONTRACTOR SHALL FIELD VERIFY EXISTING REINFORCEMENT LOCATIONS TO MISS THE REBAR WHILE DRILLING FOR THE 5/8" DIAMETER ANCHORS.
- 6. SHOP DRAWINGS FOR THIS STRUCTURE SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 7. PAYMENT FOR THIS ITEM SHALL BE MADE UNDER ITEM NO. 700-1-22, SINGLE POST SIGN (F&I, WALL MOUNT 12-20 SF). SEE SIGNING PLANS FOR QUANTITY REQUIRED.


NOTES TO CONSULTANT:

- 1. THE CONSULTANT SHALL PROVIDE VERIFICATION THAT EXISTING BRIDGES AND SIGN STRUCTURES CAN SAFELY ACCOMMODATE PROPOSED SIGNS. INCLUDE DOCUMENTATION WITH THE 90% PLANS SUBMITTAL.
- 2. THE SIZES ARE PRELIMINARY. CONSULTANT SHALL VERIFY ALL DATA AND SIGN AND SEAL SHEET.
- 3. THE SAME CONFIGURATION SHALL BE USED WHENEVER POSSIBLE IF PROJECT NECESSITATES MOUNTING SIGNS TO THE BACK OF WALLS (SOUND, MSE, ETC.). THE CONSULTANT SHALL PROVIDE DESIGN(S) IN A COMPARABLE LEVEL OF DETAIL AS SHOWN IN THESE BRIDGE MOUNTED CONCEPTUAL SHEETS.
- 4. CONSULTANT SHALL REVISE NOTE 1 TO INCLUDE APPLICABLE FDOT STRUCTURES MANUAL EDITION.
- 5. CONSULTANT TO REMOVE THIS BOX AND NOTES IN IT PRIOR TO PRINTING FOR PARTICULAR PROJECT.



REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	BARRIER MOUNTED SIGN DETAILS (1 OF 2)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				81	



REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS			BARRIER MOUNTED SIGN  DETAILS (2 OF 2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

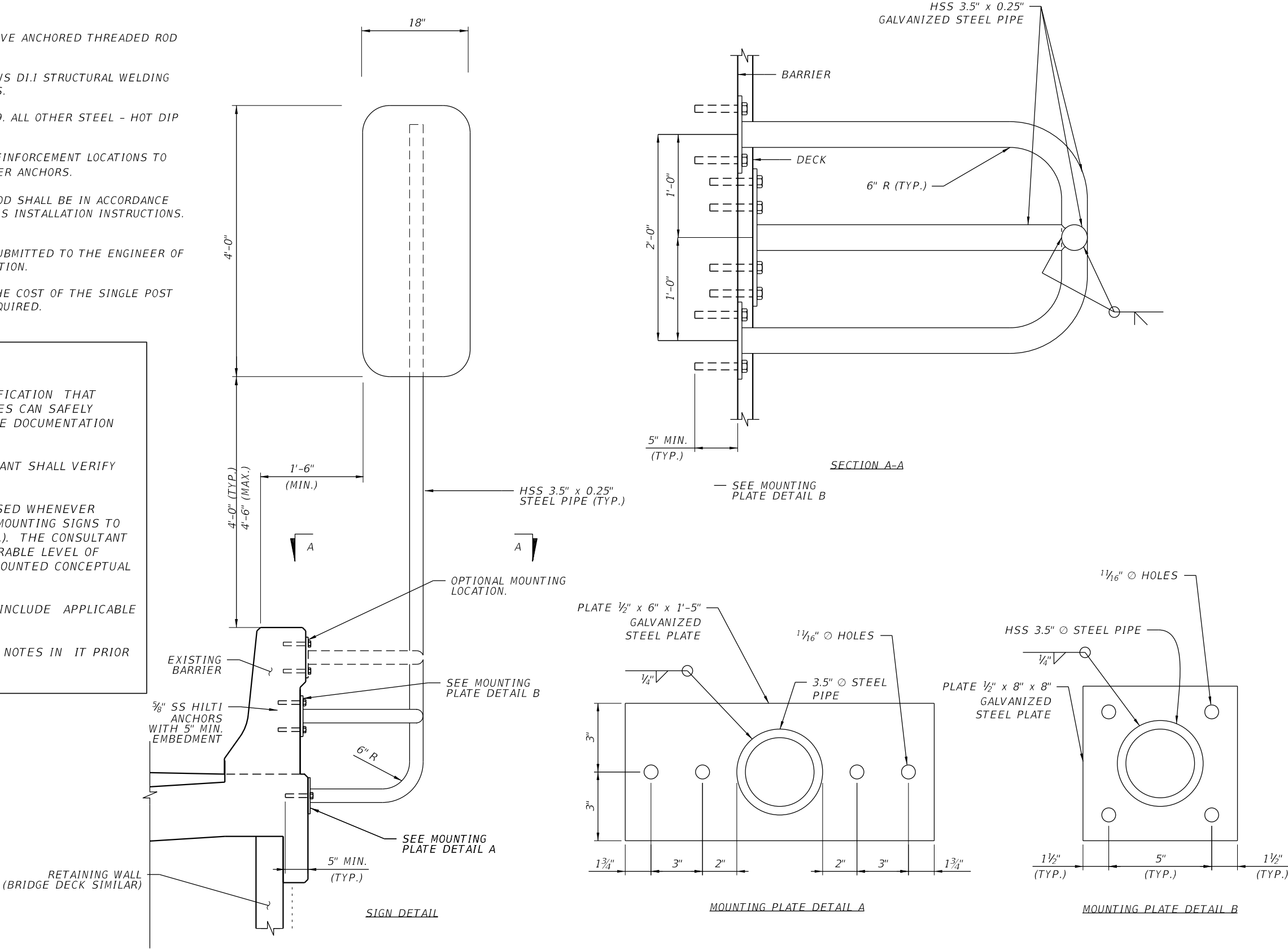
W:\50088189\CFX Design Guidelines\CADD and Details\SPM\45-08.dgn 5:56:51 PM 2/23/2023 zfincher

NOTES:

1. HOLLOW STRUCTURAL STEEL SECTIONS SHALL CONFORM TO ASTM A500, GRADE B (FY= 42 KSI).
2. STEEL PLATES SHALL CONFORM TO ASTM A36.
3. ALL ANCHORS SHALL BE 5/8" DIAMETER A36 ADHESIVE ANCHORED THREADED ROD WITH WASHER AND SELF-LOCKING NUT.
4. WELDING SHALL CONFORM TO LATEST EDITION OF AWS D1.1 STRUCTURAL WELDING CODE. ALL HSS WELDS TO BE ALL AROUND SEAL WELDS.
5. COATINGS: BOLTS, NUTS, AND WASHER - ASTM F2329. ALL OTHER STEEL - HOT DIP GALVANIZED.
6. THE CONTRACTOR SHALL FIELD VERIFY EXISTING REINFORCEMENT LOCATIONS TO MISS THE REBAR WHILE DRILLING FOR THE 5/8" DIAMETER ANCHORS.
7. THE INSTALLATION OF THE ADHESIVE THREADED ROD SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 416 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. USE HSHV ADHESIVE ON APL.
8. SHOP DRAWINGS FOR THIS STRUCTURE SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
7. PAYMENT FOR THIS ITEM SHALL BE INCLUDED IN THE COST OF THE SINGLE POST SIGN ASSEMBLY. SEE SIGNING PLANS FOR QUANTITY REQUIRED.

NOTES TO CONSULTANT:

1. THE CONSULTANT SHALL PROVIDE VERIFICATION THAT EXISTING BRIDGES AND SIGN STRUCTURES CAN SAFELY ACCOMMODATE PROPOSED SIGNS. INCLUDE DOCUMENTATION WITH THE 90% PLANS SUBMITTAL.
2. THE SIZES ARE PRELIMINARY. CONSULTANT SHALL VERIFY ALL DATA AND SIGN AND SEAL SHEET.
3. THE SAME CONFIGURATION SHALL BE USED WHENEVER POSSIBLE IF PROJECT NECESSITATES MOUNTING SIGNS TO THE BACK OF WALLS (SOUND, MSE, ETC.). THE CONSULTANT SHALL PROVIDE DESIGN(S) IN A COMPARABLE LEVEL OF DETAIL AS SHOWN IN THESE BRIDGE MOUNTED CONCEPTUAL SHEETS.
4. CONSULTANT SHALL REVISE NOTE 1 TO INCLUDE APPLICABLE FDOT STRUCTURES MANUAL EDITION.
5. CONSULTANT TO REMOVE THIS BOX AND NOTES IN IT PRIOR TO PRINTING FOR PARTICULAR PROJECT.

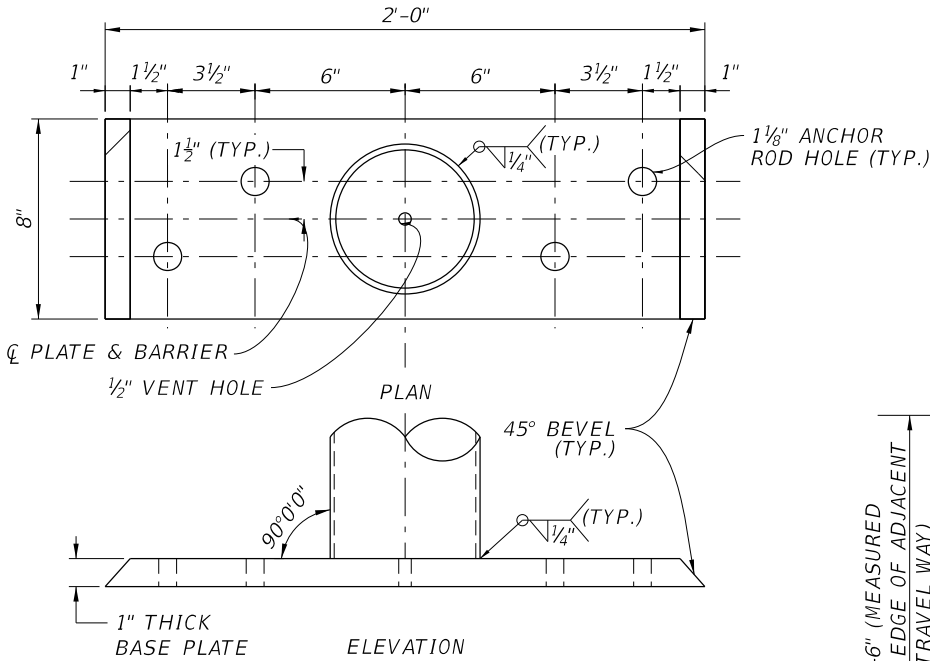


REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	BRIDGE AND WALL MOUNT  MILE POST DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

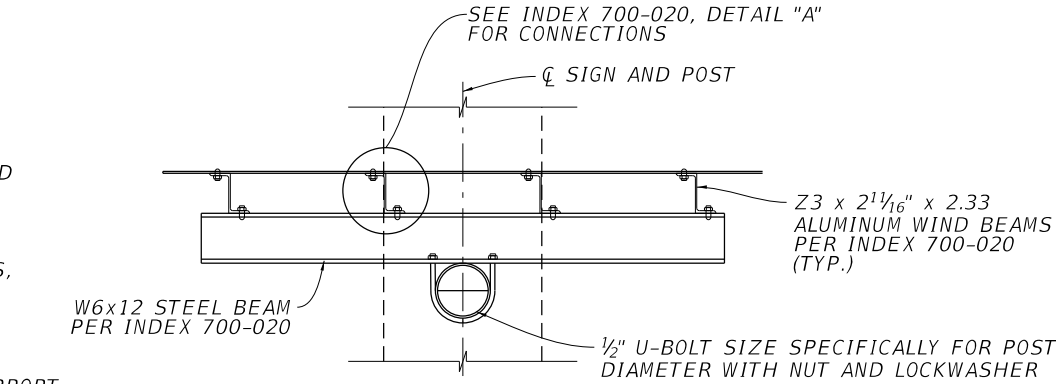


W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A5-13.dgn 5:56:52 PM 2/23/2023 zfincher

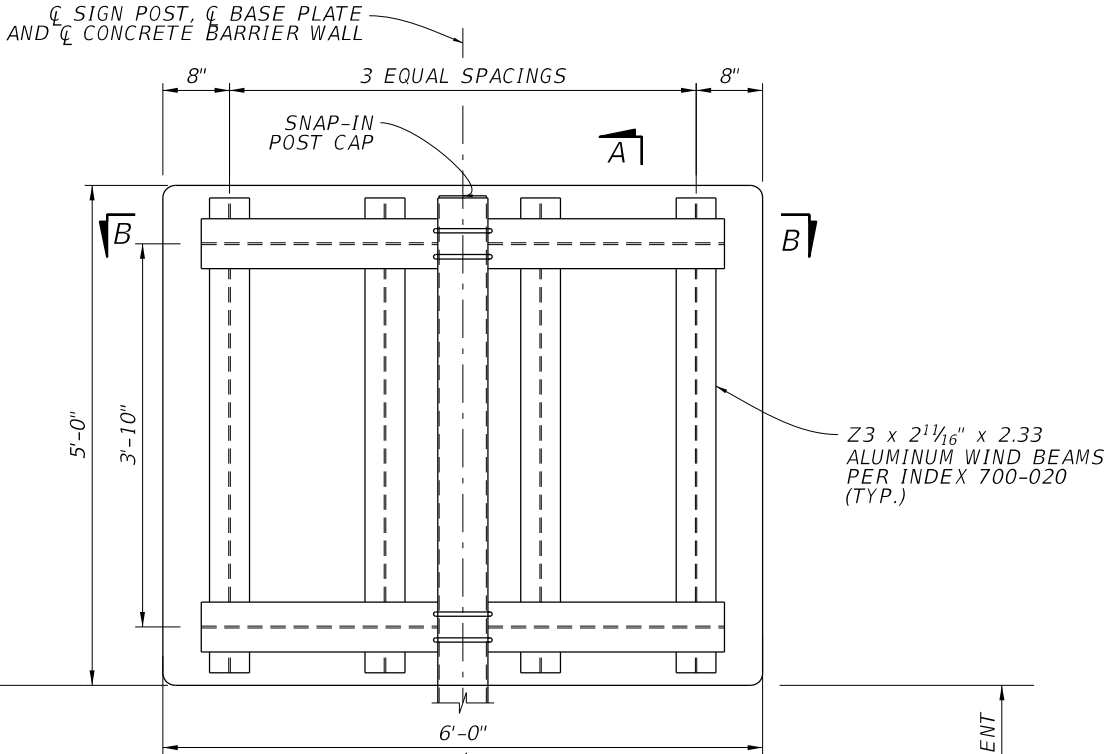
- NOTES:
- STEEL PIPE POST SHALL BE API-5L-X42 (42 KSI YIELD) GRADE B.
  - STEEL PLATE SHALL BE ASTM A709 GRADE 36.
  - EACH 1" Ø ADHESIVE ANCHOR BOLT SHALL HAVE A MINIMUM ALLOWABLE LOAD CAPACITY OF 6 KIPS IN TENSION AND 1 KIP IN SHEAR. SEE INDEX 700-013 FOR MORE INFORMATION. ADHESIVE ANCHOR BONDING MATERIAL PER SPECIFICATIONS 937 TYPE HV ADHESIVE.
  - FOR GENERAL NOTES, MATERIALS, SPECIFICATIONS AND ADDITIONAL DETAILS, WORK THIS SHEET WITH STANDARD PLANS INDEX NOS. 700-010, 700-013 AND 700-020 EXCEPT AS MODIFIED IN THIS SHEET.
  - SUBMIT SHOP DRAWINGS TO THE EOR FOR APPROVAL.
  - THE COST OF MATERIALS, FABRICATION AND INSTALLATION OF THE SIGN SUPPORT STRUCTURE SHALL BE INCLUDED IN THE COST OF THE SIGN.
  - GALVANIZED U-BOLTS, NUTS AND WASHER:  
A. U-BOLTS: ASTM A449.  
B. HEX NUTS: ASTM A563 LOCK NUTS.  
C. PLATE WASHER: ASTM A36 OR ASTM 709 GRADE 36 OR 50.
  - WELDED MATERIAL: E70XX.
  - GALVANIZED ANCHOR RODS, NUTS AND WASHERS:  
A. ANCHOR ROD: ASTM F1554 GRADE 55 FULLY THREADED.  
B. NUTS: ASTM A563 HEAVY HEX LOCKING.  
C. WASHERS: ASTM F436.
  - SNAP-IN POST CAP: UV AND WEATHER RESISTANCE GLASS, FILLED POLYESTER CAP.



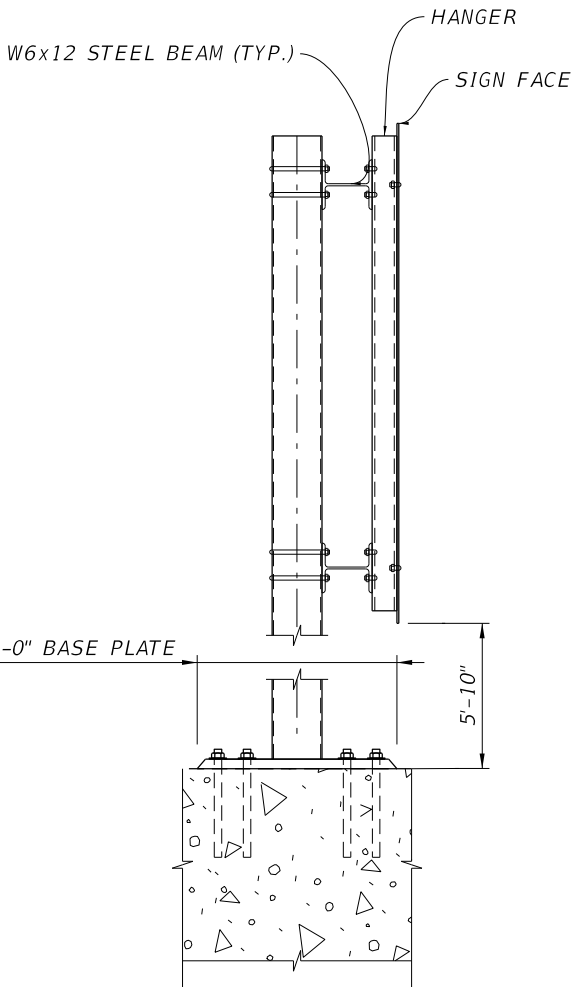
MODIFIED BASE PLATE TYPE B  
(INDEX 700-013)



SECTION B-B



SIGN ELEVATION  
(BACK OF SIGN)



SECTION A-A

BARRIER WALL MOUNTED SIGN LOCATION	
SIGN	STATION (C CONST. SR XXX)
E5-1a	XXX+XX

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

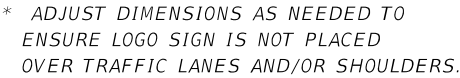
ENGINEER OF RECORD FULL NAME, P.E.  
P.E. LICENSE NUMBER 99999  
ENGINEER OF RECORD COMPANY NAME  
ENGINEER OF RECORD COMPANY STREET  
ENGINEER OF RECORD CITY, STATE AND ZIP  
CERTIFICATE OF AUTHORIZATION 00009999

SIGNING AND PAVEMENT MARKING DETAILS	
ROAD NO.	PROJECT NO.

**CENTRAL  
FLORIDA  
EXPRESSWAY  
AUTHORITY**

BRIDGE AND WALL MOUNT EXIT GORE SIGN	
SHEET NO. 84	

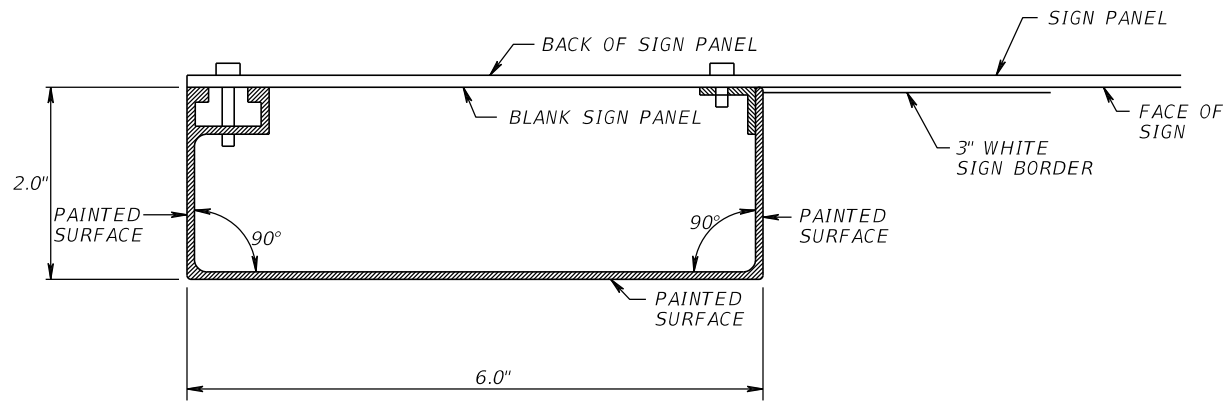
1. CFX LOGO AND CROSSROAD STREET NAME PANELS SHALL BE DESIGNED BY THE CONTRACTOR.
2. IF BRIDGE MOUNTED LOGO (L-4) IS THE ONLY CFX LOGO TO BE INSTALLED WITHIN PROJECT LIMITS, THE DETAIL OF LOGO L-4 AND APPLICABLE NOTES SHALL BE SHOWN ON THIS SHEET.
3. DELETE BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.



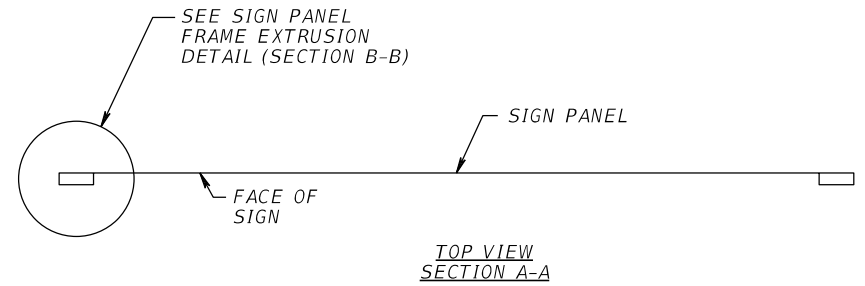
1. LOGO (L-4) SHALL BE USED AT ALL BRIDGE MOUNTING LOCATIONS.
2. PANEL SHALL BE MOUNTED FLUSH WITH BARRIER. CONTRACTOR SHALL BE RESPONSIBLE FOR MOUNTING AND SHALL SUBMIT SHOP DRAWINGS TO THE SIGNING AND PAVEMENT MARKING PLANS EOR AND CFX FOR APPROVAL PRIOR TO PANEL INSTALLATIONS.
3. SIGN PANEL TO BE EVENLY SPACED VERTICALLY WITHIN 2'-8" (TYP.) TRAFFIC RAILING BARRIER.
4. CONTRACTOR SHALL UTILIZE TRAFFIC CONTROL REQUIREMENTS OF INDEX 611 WHILE INSTALLING SIGNS. NO TRAVEL LANES ARE PERMITTED TO BE CLOSED. ANY APPROVAL NECESSARY TO WORK IN RIGHT-OF-WAY OTHER THAN OWNED BY CFX SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. LOGO INSTALLATION TO BE PAID PER EACH UNDER ITEM NO. 700-4-140

CFX LOGO (L-4)  
BRIDGE MOUNTING LOCATIONS  
(CROSSROADS)

W:\50088189\CFX Design Guidelines\CADD and Details\SPM\A5-10.dgn 5:56:53 PM 2/23/2023 zfincher



SIGN PANEL FRAME EXTRUSION DETAIL (TYP.)  
SECTION B-B



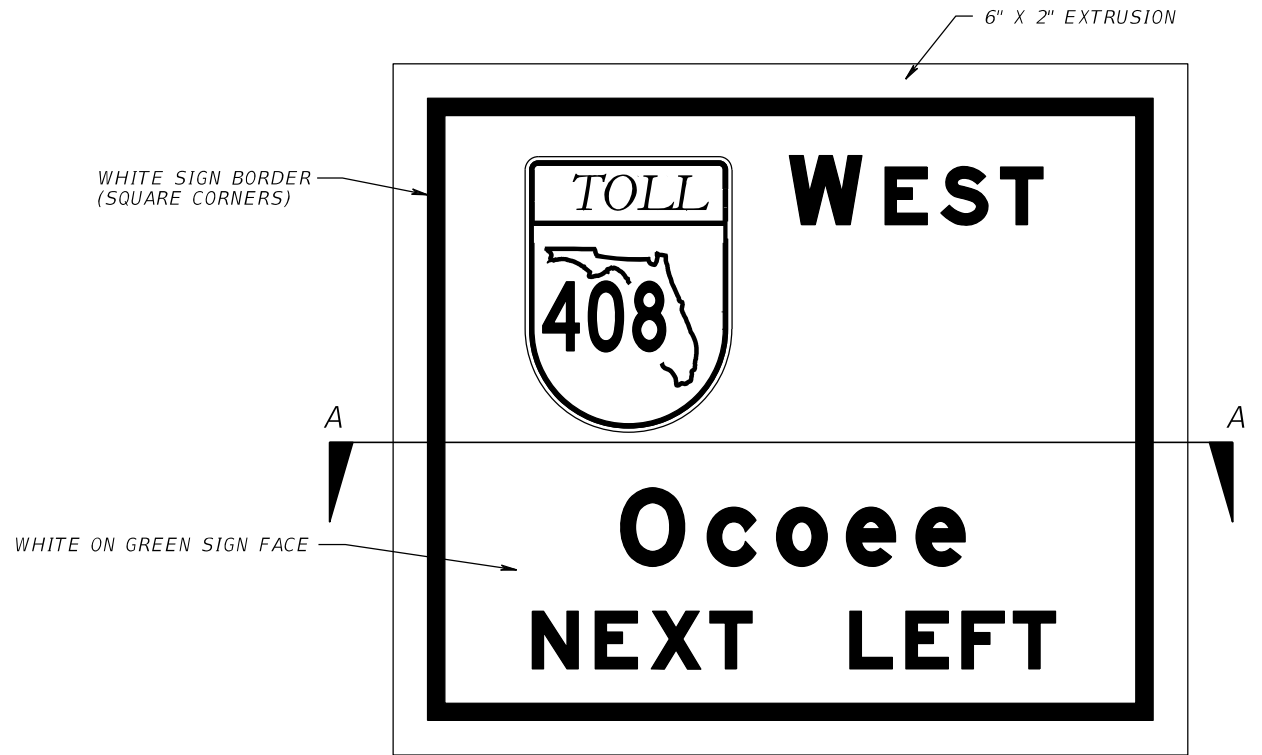
TOP VIEW  
SECTION A-A

BRIDGE MOUNTED SIGNS

PRIOR TO FABRICATION OF THE BRIDGE MOUNTED SIGNS, THE SIGN FRAME CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND A SAMPLE OF THE FRAME MATERIAL, AND DETAILS FOR FABRICATION AND ATTACHMENT OF THE FRAME TO THE SIGN PANEL. THE FRAME SHALL BE A LIGHTWEIGHT METAL FRAME AND NOT WOODEN. THE FRAME SHALL BE PAINTED BLACK PER THE SPECIFICATIONS. ALL COSTS SHALL BE INCIDENTAL TO THE DESIGN AND MANUFACTURE OF THE SIGN.

THE SIGN SHALL CONFORM TO AASHTO REQUIREMENTS FOR SIGN STRUCTURES AND LUMINAIRES.

THE SIGN SHALL CONFORM TO GEOMETRY SHOWN HOWEVER DETAILING MAY BE DIFFERENT.

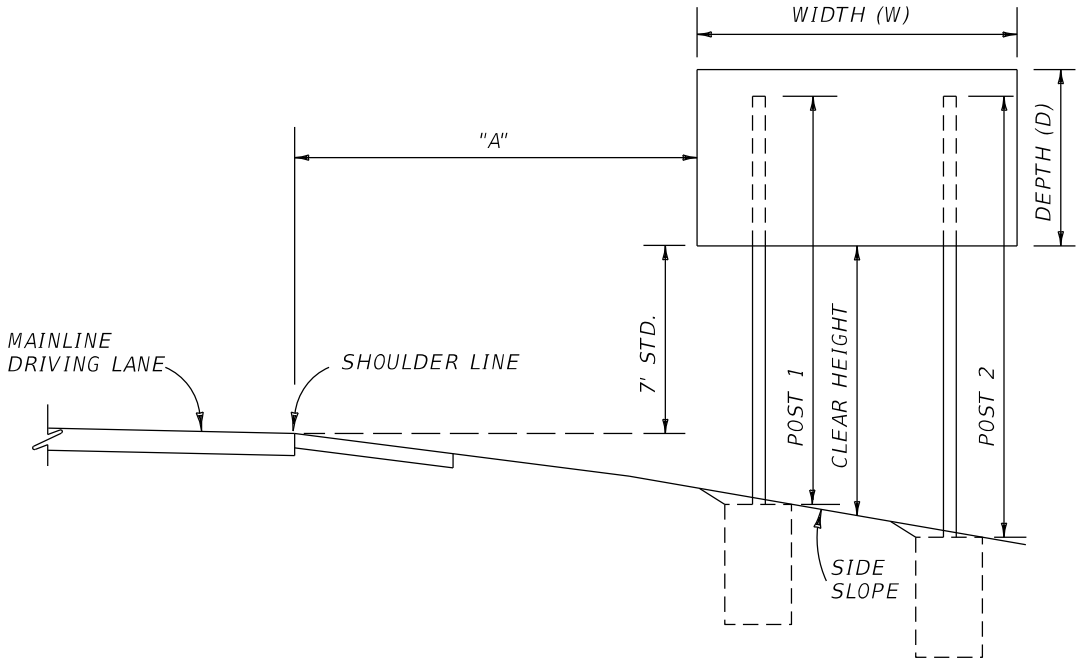


FRONT VIEW

NOTES TO CONSULTANT:

1. THIS DETAIL IS FOR USE ONLY ON SR 408 CROSSROAD BRIDGE MOUNTED GUIDE SIGNS FROM KIRKMAN ROAD TO CHICKASAW TRAIL.
2. DELETE THIS BOX AND NOTES PRIOR TO INCLUDING IN PLANS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<b>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</b>	BRIDGE MOUNTED SIGN FRAME DETAIL		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
										86	

[illegible]

TYPICAL SECTION FOR  
PLACEMENT OF MULTI-POST SIGNS

NOTES:

1. FOR ADDITIONAL DETAILS AND NOTES SEE FDOT STANDARD PLANS NOS. 700-020 AND 700-101.
2. AUXILIARY SIGN PANELS ARE ATTACHED IN ACCORDANCE WITH FDOT STANDARD PLANS NO. 700-110. THESE AUXILIARY PANELS CAN BE CENTERED, LEFT OR RIGHT JUSTIFIED PER PLANS.
3. CLEAR HEIGHT IS THE DISTANCE BETWEEN THE BOTTOM OF THE MAIN SIGN PANEL AND THE GROUND AT THE CENTER OF THE MAIN SIGN PANEL.
4. AVERAGE LENGTH OF POSTS COLUMN IS APPLICABLE TO STEEL POSTS AND ALUMINUM BEAMS.
5. SIGN ASSEMBLIES ARE DESIGNED FOR 130-170 MPH WIND SPEED AND SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 2018 EDITION.

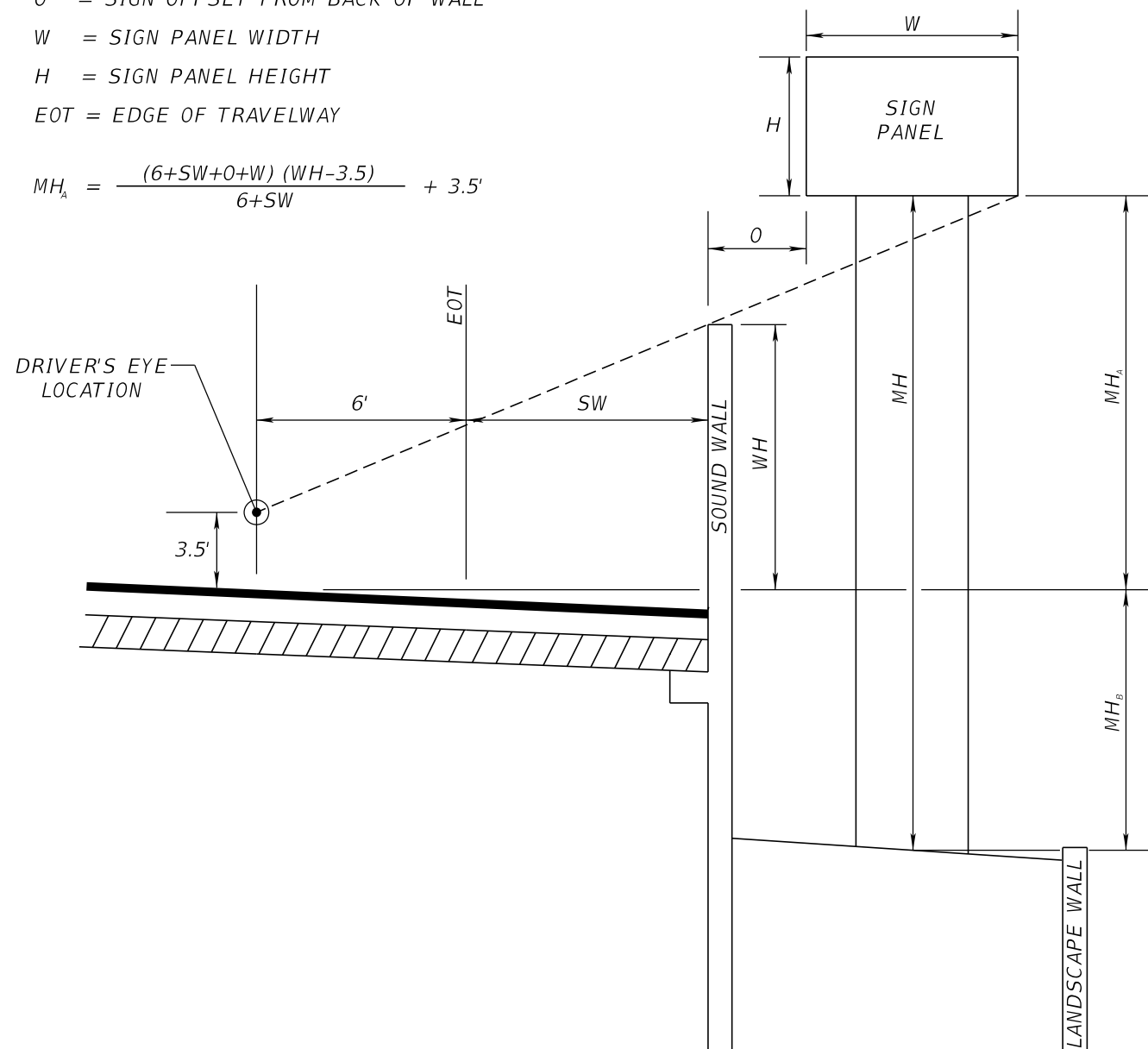
NOTES TO CONSULTANT:

1. CONSULTANT SHALL INSERT APPLICABLE DESIGN WIND SPEED INTO NOTE 5 DEPENDING ON PROJECT LOCATION.
2. CONSULTANT SHALL INSERT APPLICABLE DATE INTO NOTE 5 FOR THE SPECIFIED AASTHO PUBLICATION.
3. DELETE THIS BOX AND NOTES PRIOR TO INCLUDING SHEET IN PLANS.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	MULTI-POST SIGN  TABLE OF VARIABLES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					87

$MH$  = SIGN MOUNTING HEIGHT  
 $MH_A$  = MOUNTING HEIGHT ABOVE DRIVER LOCATION  
 $MH_B$  = MOUNTING HEIGHT BELOW DRIVER LOCATION  
 $SW$  = SHOULDER WIDTH  
 $WW$  = WALL WIDTH  
 $WH$  = WALL HEIGHT \*  
 $O$  = SIGN OFFSET FROM BACK OF WALL  
 $W$  = SIGN PANEL WIDTH  
 $H$  = SIGN PANEL HEIGHT  
 $EOT$  = EDGE OF TRAVELWAY

$$MH_A = \frac{(6+SW+0+W)(WH-3.5)}{6+SW} + 3.5'$$



DETAIL A  
PROVIDES VISIBILITY 800'  
IN ADVANCE OF SIGN  
N.T.S

*MH = SIGN MOUNTING HEIGHT*

*MH<sub>A</sub> = MOUNTING HEIGHT ABOVE DRIVER LOCATION*

*SW = SHOULDER WIDTH*

*WW = WALL WIDTH*

*WH = WALL HEIGHT \**

*O = SIGN OFFSET FROM BACK OF WALL*

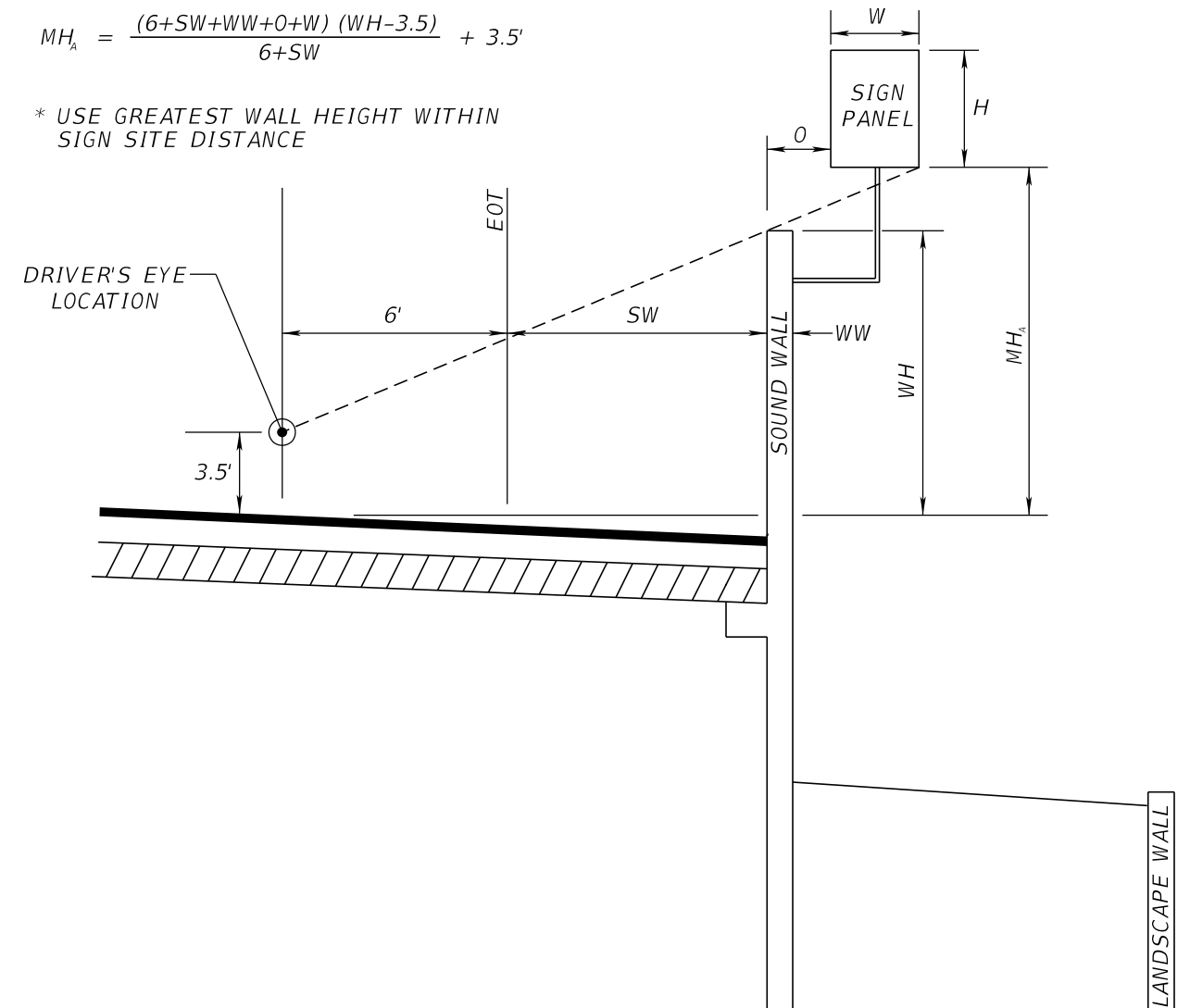
*W = SIGN PANEL WIDTH (5' MAX)*

*H = SIGN PANEL HEIGHT (5' MAX)*

*EOT = EDGE OF TRAVELWAY*

$$MH_A = \frac{(6+SW+WW+O+W) (WH-3.5)}{6+SW} + 3.5'$$

\* USE GREATEST WALL HEIGHT WITHIN  
SIGN SITE DISTANCE




DETAIL B  


---

 PROVIDES VISIBILITY 500'  
 IN ADVANCE OF SIGN  
 N.T.S

1. DETAILS A AND B ARE ONLY FOR USE THROUGH ROADWAY SECTIONS HAVING A CONSTANT GRADE AND NO CREST VERTICAL CURVES.
2. DETAILS A AND B ARE SUGGESTED METHODS ONLY. THE EOR IS FULLY RESPONSIBLE FOR PROVIDING HEIGHTS SUFFICIENT FOR CLEAR PANEL VISIBILITY IN ALL GEOMETRIC CONDITIONS.
3. IN CASE OF VERTICAL CREST CURVES, ENGINEER MUST VERIFY SIGHT LINES BASED ON LENGTH OF CURVE AND DIFFERENCE IN GRADES.

REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>METHOD FOR DETERMINING SIGN HEIGHT BEHIND WALLS</div>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					88