
CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY

*SIGNING AND PAVEMENT
MARKING DETAILS*

FOR DESIGN AND CONSTRUCTION ON THE CFX SYSTEM

FEBRUARY 2021

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1. PROVIDE SHOP DRAWINGS FOR ALL SIGNS. SHOP DRAWINGS SHALL INCLUDE VHB CALCULATIONS FOR ALL STANDARD AND NON-STANDARD GROUND MOUNTED SIGNS, SINGLE AND MULTI-POST.
2. MAINTAIN ALL EXISTING HOMELAND SECURITY SHELTER SIGNING THROUGHOUT THE ENTIRE DURATION OF CONSTRUCTION.
3. ALL EXISTING SIGNS ARE TO REMAIN VISIBLE UNTIL SUCH TIME AS THE PROPOSED SIGN ASSEMBLY INSTALLATION IS COMPLETED.
4. EXCEPT WHERE NOTED, CODE NUMBER AND SIGN LISTED ARE STANDARD AS SHOWN IN MUTCD 2009 AND STANDARD HIGHWAY SIGNS MANUAL, FHWA, 2004 WITH THE 2012 SUPPLEMENT. (CONSULTANT SHALL UPDATE EDITION AS NEEDED.)
5. ESTABLISH, STAKE AND PAINT SIGN LOCATIONS WITH THE USE OF A FLORIDA REGISTERED LAND SURVEYOR. IF THE STAKES AND/OR PAINTED MARKS ARE OBLITERATED DURING THE CONSTRUCTION PROCESS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE SIGN LOCATIONS RE-ESTABLISHED BY A FLORIDA REGISTERED LAND SURVEYOR. NO ADDITIONAL PAYMENT WILL BE ALLOWED.
6. SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, PUBLIC SIDEWALK CURB RAMPS, ETC. MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE CEI. THE ENGINEER OF RECORD MUST APPROVE EXTREME LOCATION CHANGES.
7. CARE SHALL BE TAKEN THAT OVERHEAD PANELS ARE POSITIONED OVER THE LANE(S) TO WHICH THEY APPLY AND AS SHOWN IN THE PLANS. THE CEI SHALL APPROVE THE LOCATIONS ALONG THE TRUSS PRIOR TO INSTALLATION.
8. COMPLETELY FILL IN ALL HOLES WITH SELECT MATERIALS IN 12" LIFTS AND SOD GROUND MOUNT AND OVERHEAD SIGN REMOVAL LOCATIONS WITHIN 24 HOURS. FOUNDATIONS FOR ALL OVERHEAD SIGN STRUCTURES SHALL BE REMOVED 36" BELOW THE GROUND SURFACE. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO SIGN REMOVAL. FINAL WORK ITEMS MAY ONLY BE DEFERRED AT THE DIRECTION OF THE CEI.
9. PAYMENT FOR ALL EROSION CONTROL WORK AND MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THE UNIT COST OF THE SIGN ASSEMBLY.
10. ALL MISCELLANEOUS WORK NECESSARY IN THE SHOULDER AREA TO CONSTRUCT AND/OR REMOVE SIGNS (I.E. GRADING, SODDING, CLEARING AND GRUBBING, GUARDRAIL RE-SETTING OR FENCE RE-SETTING) IS CONSIDERED INCIDENTAL, AND SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIGN ASSEMBLY. ALL DISTURBED AREAS SHALL BE SODDED. THE CONTRACTOR SHALL HAUL ALL EXCESS EXCAVATION AND WASTE MATERIALS OFF-SITE. REMOVAL OF THESE MATERIALS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIGN ASSEMBLY.
11. EXISTING SIGN PANELS AND/OR SIGN ASSEMBLIES TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF AT HIS EXPENSE EXCEPT WHERE SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS. ALL SIGN ASSEMBLIES SCHEDULED FOR REMOVAL SHALL BE TAKEN OFF THE PROJECT SITE BY THE CONTRACTOR WITHIN 48 HOURS OF REMOVAL.
12. VERIFY FIELD ELEVATIONS FOR VERTICAL SUPPORTS FOR ALL SIGNS PRIOR TO FABRICATION.
13. CANTILEVER ARM LENGTHS AND UPRIGHT HEIGHTS WERE DETERMINED BASED ON INITIAL SIGN CONFIGURATION. INITIAL PANEL SHALL BE POSITIONED TO MATCH THE END OF THE CANTILEVER ARM FOR AESTHETICS.
14. PRIOR TO ERECTION OF ANY OVERHEAD SIGN STRUCTURES, THE AS-BUILT LOCATION OF THE ANCHOR BOLTS SHALL BE SURVEYED BY A FLORIDA REGISTERED LAND SURVEYOR AND SUBMITTED IN A WRITTEN REPORT TO THE CEI FOR APPROVAL. COST TO BE CONSIDERED INCIDENTAL TO THE UNIT PRICE OF THE SIGN ASSEMBLY.
15. DUE TO THE TIMING OF ADJACENT CONTRACTS, THE CEI MAY DIRECT THE CONTRACTOR TO DELAY INSTALLATION OF CERTAIN PANELS. PANELS SHALL NOT BE INSTALLED AND COVERED WITHOUT PRIOR APPROVAL FROM CFX. NO ADDITIONAL PAYMENT WILL BE PERMITTED.
16. PRIOR TO DRILLED SHAFT OR SPREAD FOOTING INSTALLATIONS, BOTH THE CONTRACTOR AND CEI SHALL CONFIRM THAT ALL LOCATIONS AND ELEVATIONS WILL CORRECTLY ACCOMMODATE THE CLEARANCES AND THE TOTAL LENGTH OF THE TRUSS AS SHOWN ON THE STRUCTURAL DESIGN SHEET.
17. STEEL POST SIZES ARE SHOWN IN THE PLANS FOR MULTI-POST MOUNTED SIGNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY POST SIZES AND LENGTHS PRIOR TO FABRICATION.
18. SIGN STRUCTURE UPRIGHT SURFACES SHALL BE PREPARED IN ACCORDANCE WITH THE SPECIAL PROVISIONS BEFORE PAINTING. ALL BOLTS, CROSS BRACE DIAGONALS AND FLANGES NOTED ON THE PLANS DETAIL SHEET(S) SHALL BE THOROUGHLY CLEANED AND FREE OF DEBRIS BEFORE PRIMER AND FINISHED COAT(S) ARE APPLIED.
19. REMOVE AND REINSTALL ALL EQUIPMENT ATTACHED TO SIGN UPRIGHTS PRIOR TO BEGINNING THE PAINTING PROCESS. EQUIPMENT SHALL INCLUDE BUT IS NOT LIMITED TO ELECTRICAL DISCONNECT SWITCH BOXES, ELECTRICAL AND/OR FIBER CONDUIT, DMS CONTROLLER BOXES, ANTENNAE, ETC. ANY EQUIPMENT DAMAGED DURING THE PAINTING PROCESS SHALL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AT HIS EXPENSE. ALL REPAIRS SHALL MEET THE SATISFACTION OF THE ENGINEER OF RECORD.

20. VERIFY ALL SIGN STRUCTURE IDENTIFICATION NUMBERS ON EXISTING STRUCTURES PRIOR TO ORDERING OR FABRICATING STENCILS. ALL DISCREPANCIES SHALL BE REPORTED TO THE CEI.
21. REPAINT ALL SIGN STRUCTURE IDENTIFICATION NUMBERS REMOVED AS A RESULT OF PAINTING THE UPRIGHTS ONCE THE FINISH COAT HAS SUFFICIENTLY CURED. THE CONTRACTOR SHALL SUBMIT A SAMPLE OF A FINISHED STENCIL AND A WORKSHEET SHOWING FONT TYPE, SIZE, AND SPACING BETWEEN CHARACTERS TO THE CEI FOR APPROVAL PRIOR TO FINAL PRODUCTION OF STENCILS. SEE SPECIAL PROVISION.
22. PROVIDE WIRING AND PULL BOXES (AS NECESSARY) TO ALL FUTURE SIGN PANEL POSITIONS AND CAP OFF IN THE CONNECTOR BOX.
23. WHEN REMOVING PANELS AND/OR ADDING PANELS TO AN EXISTING STRUCTURE: THE COST FOR ADJUSTING EXISTING LUMINAIRES, INCLUDING REPAIR IF NECESSARY, AND ANY OTHER HARDWARE AND COMPONENT PARTS REQUIRED FOR A COMPLETE LUMINAIRE SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE FOR PANEL REMOVAL OR INSTALLATION. REMOVAL OF EXISTING LUMINAIRES SHALL INCLUDE REMOVAL OF MOUNTING BRACKET ARM. INSTALLATION OF NEW LUMINAIRES SHALL INCLUDE NEW MOUNTING BRACKET ARMS.
24. THE SIGN LIGHTING LUMINARIES SHALL BE "NIGHT AIMED" TO ASSURE PROPER ILLUMINATION OF THE SIGN SURFACE. THE LUMINARIES MUST BE AT AN ANGLE SUFFICIENT TO PREVENT THEM FROM SHINING INTO THE FACES OF DRIVERS TRAVELING IN THE OPPOSITE DIRECTION.
25. 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. COST OF SHIELDING SHALL BE CONSIDERED INCIDENTAL TO THE SIGN ASSEMBLY OR NEW SIGN LUMINAIRE INSTALLATION AS APPROPRIATE.
26. ENERGIZE OVERHEAD SIGN LUMINAIRES WITHIN 24 HOURS OF INSTALLATION.
27. BE RESPONSIBLE FOR VERIFYING LOCATIONS OF EXISTING ROADWAY LIGHTING CONDUIT PRIOR TO INSTALLATION OF ROADWAY SIGNAGE.
28. 3M SCOTCH BRAND VERY HIGH BOND (VHB) ACRYLIC FOAM TAPE NUMBER 4950 OR CFX'S APPROVED EQUAL IN COMBINATION WITH MECHANICAL FASTENERS SHALL BE USED TO ATTACH PANELS TO WIND BEAMS, BRACKETS AND SPLICE PLATES ON ALL SINGLE AND MULTI-POST SIGN ASSEMBLIES. CONTRACTOR SHALL MEET ALL 3M REQUIREMENTS FOR PROPER INSTALLATION OF VHB. VHB TAPE SHALL NOT BE REUSED ONCE INSTALLED. DESIGN SHALL MEET MOST CURRENT FDOT WIND LOAD CRITERIA. SEE SPECIAL PROVISIONS.
29. MECHANICAL FASTENERS USED TO ATTACH SIGN PANELS TO WIND BEAMS, BRACKETS AND SPLICE PLATES FOR ALL OVERHEAD AND GROUND MOUNTED PANELS SHALL BE COUNTERSUNK SCREWS.
30. PATCH ALL COUNTERSUNK SCREWS ON ALL NEW SIGN FACES. RIVETS ON OVERLAYS AND/OR DEMOUNTS SHALL BE PAINTED WITH COLOR TO MATCH SHEETING AT RIVET LOCATION. SEE SPECIAL PROVISIONS.
31. NEW SIGN PANEL(S) ON EXISTING OVERHEAD STRUCTURES SHALL BE INSTALLED USING NEW HANGERS AND HARDWARE NECESSARY TO SECURE THE PROPOSED SIGN PANEL(S) IN ACCORDANCE WITH FDOT INDEX 700-030.
32. EXISTING SIGNS TO BE RELOCATED TO PROPOSED STRUCTURES SHALL BE INSTALLED USING NEW COMPONENT PARTS REQUIRED FOR A COMPLETE SIGN INSTALLATION INCLUDING, BUT NOT LIMITED TO, HANGERS, LUMINAIRES, LUMINAIRE MOUNTING BRACKET ARMS AND ALL HARDWARE ASSOCIATED WITH EACH COMPONENT.
33. NEW SIGN PANELS INSTALLED ON EXISTING POSTS (SINGLE OR MULTI-POST) SHALL BE MOUNTED USING NEW HARDWARE.
34. WHERE FULL PANEL OVERLAYS ARE SPECIFIED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MATCHING EXISTING CORNER RADII. ALL EXISTING DEMOUNTS OR OVERLAYS SHALL BE REMOVED PRIOR TO PROPOSED FULL OR PARTIAL OVERLAY INSTALLATION.
35. FOR PARTIAL PANEL OVERLAYS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL EXISTING COPY TO BE OVERLAID IS COMPLETELY COVERED. THE CONTRACTOR SHALL ALSO ENSURE THE OVERLAY DOES NOT COVER ANY PORTION OF THE EXISTING COPY OR BORDER WHICH IS TO REMAIN VISIBLE.
36. PERMANENT PANELS SHALL NOT BE INSTALLED WITH TEMPORARY FULL OR PARTIAL OVERLAYS. IT IS ACCEPTABLE FOR A PROPOSED SIGN STRUCTURE TO BE INSTALLED WITHOUT SIGNAGE.
37. UTILITY LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. SEE UTILITY ADJUSTMENT PLANS. THERE MAY BE ADDITIONAL UTILITIES WITHIN THE CONSTRUCTION AREAS WHICH ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND OWNERSHIP OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITY. (FOR PROJECTS WITHOUT UTILITY ADJUSTMENT PLANS, THE SECTION ENGINEER SHALL DELETE THE SECOND SENTENCE AND SUPPLY THE LIST OF UTILITY OWNERS AND TELEPHONE NUMBERS.)
38. CFX'S FIBER OPTIC TONE WIRE, CONDUIT, AND LOCATE TAPE WITHIN FIVE (5) FEET OF MULTI-POST AND OVERHEAD SIGN STRUCTURES SHALL BE MANUALLY LOCATED VIA SOFT DIG EXCAVATION PRIOR TO THE CONSTRUCTION OF PROPOSED SIGN STRUCTURES.

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39. STRUCTURE NUMBERS XX, XX AND XX ARE WITHIN THE LIMITS OF A CFX ROADWAY 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)

55. SHEETING ON THE LDS PANELS SHALL BE 3M DG3 OR CFX APPROVED EQUAL AND COLOR SHALL MATCH ADJACENT EDGE LINE.

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PAVEMENT MARKING GENERAL NOTES

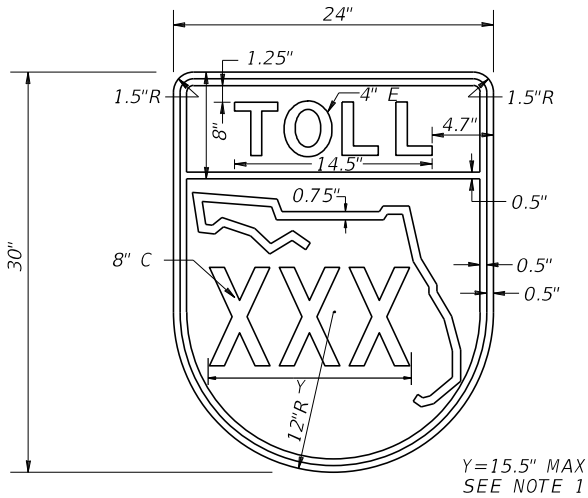
1. REFLECTIVE PAVEMENT MARKER ADHESIVE FOR USE ON ASPHALT AND CONCRETE PAVEMENT SHALL BE BITUMINOUS MATERIAL UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
2. PROVIDE A TEMPORARY LAYOUT OF ALL TOLL PLAZA RELATED PAVEMENT MARKINGS FOR APPROVAL BY THE CEI PRIOR TO PERMANENT INSTALLATION.
3. ANY EXISTING 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 380IES 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, 700-10-XXX (SEE ITS PLANS):
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 380IES 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								
										4	

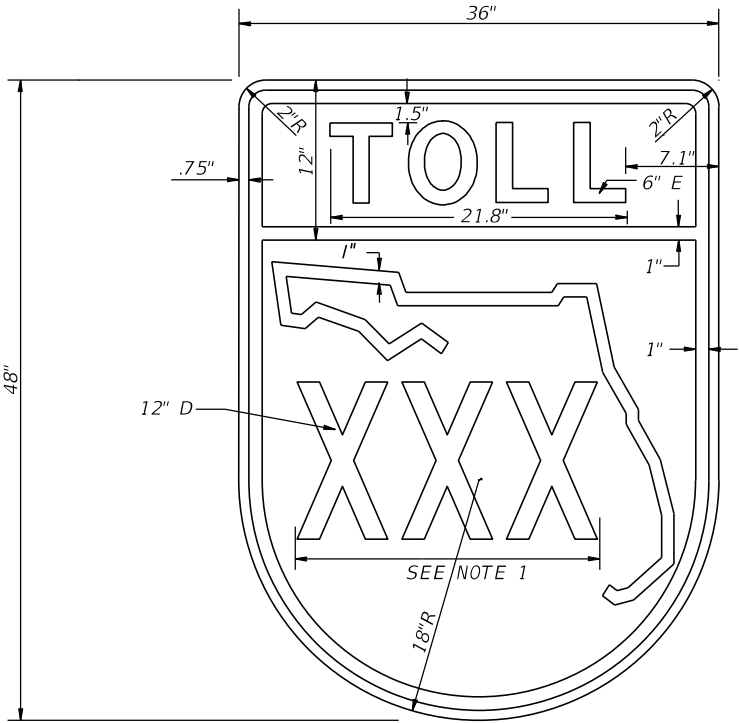
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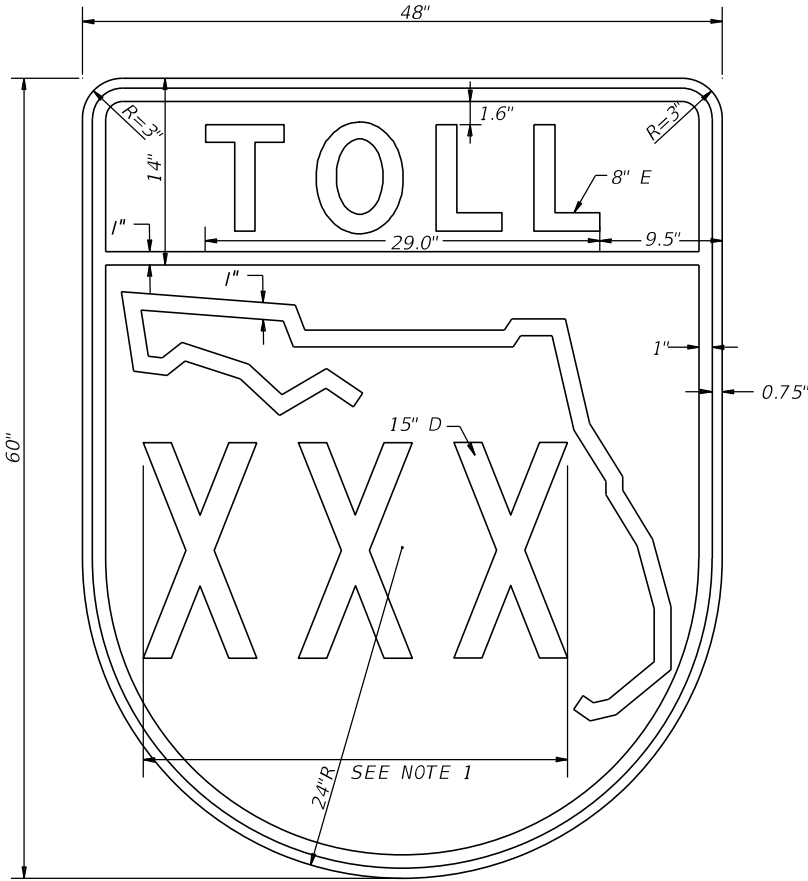
FOR USE ON:
1. MINOR CROSSROAD (2 LANE) ROUTE MARKERS.

NOTES TO CONSULTANT:

1. DELETE ALL INFORMATION NOT SPECIFIC TO PROJECT.
2. DELETE "FOR USE ON" NOTES AND BOX UNDER TOLL SHIELDS.



FOR USE ON:
1. MAINLINE LARGE MULTI-POST GUIDE SIGNS
2. ALL MAJOR CROSSROAD GUIDE SIGNING (OVERHEAD AND MULTI-POST)
3. ALL MAJOR CROSSROAD ROUTE MARKERS



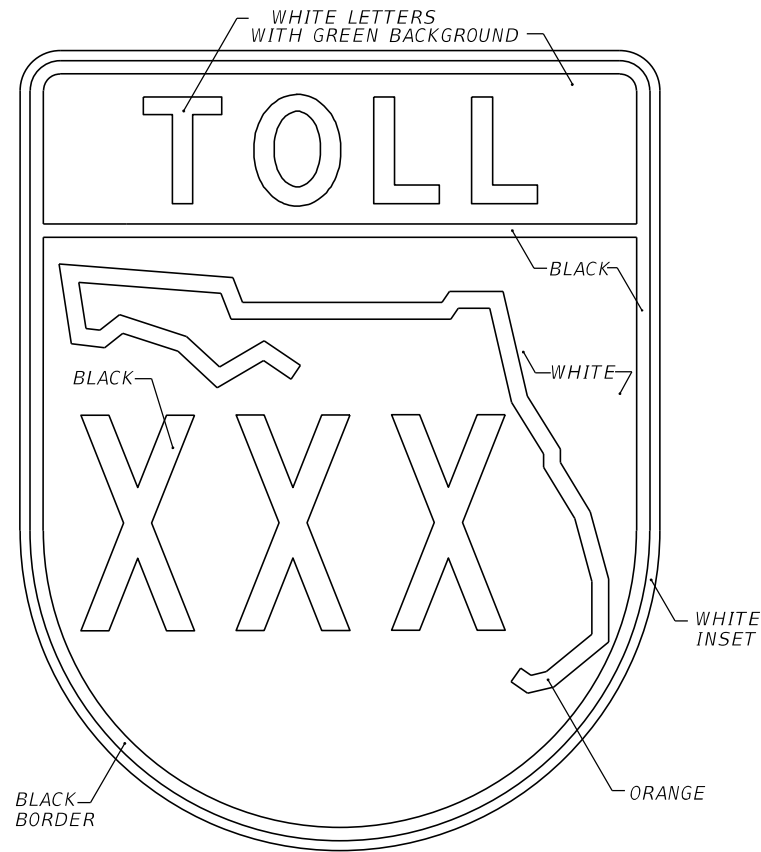
FOR USE ON:
1. MAINLINE OVERHEAD GUIDE SIGNS.
2. MAINLINE ROUTE CONFIRMATION MARKERS.

NOTES:

1. FABRICATOR SHALL USE STANDARD HORIZONTAL SPACING FOR NUMERALS WITHIN A ROUTE SHIELD WHEN POSSIBLE. FABRICATOR SHALL OPTICALLY ADJUST NUMERAL SPACING AS NEEDED TO PREVENT OVERLAP ONTO THE STATE OUTLINE OR SHIELD BORDER.

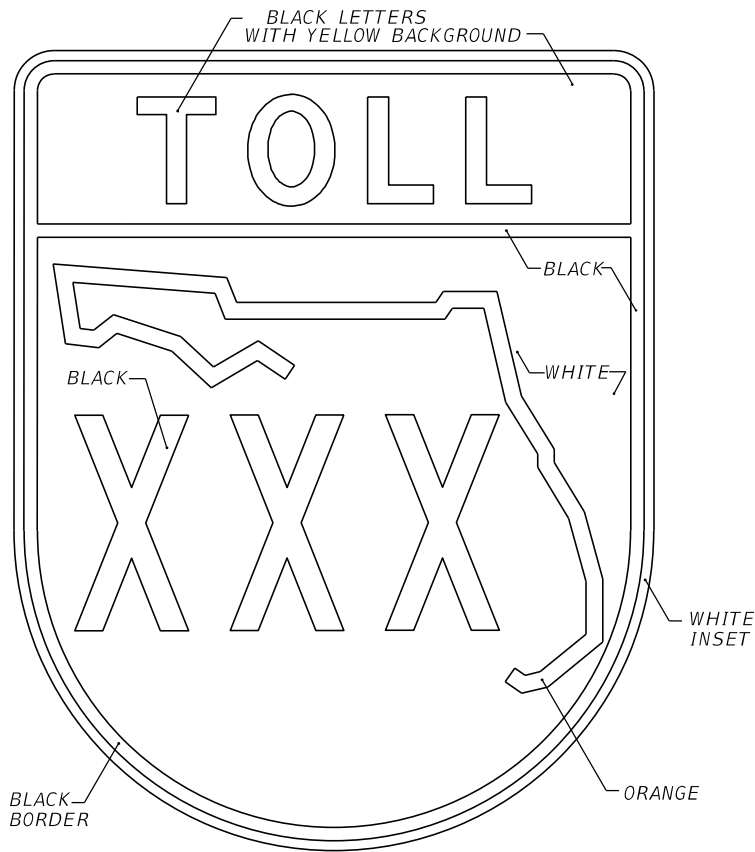
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TOLL ROUTE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

TM1



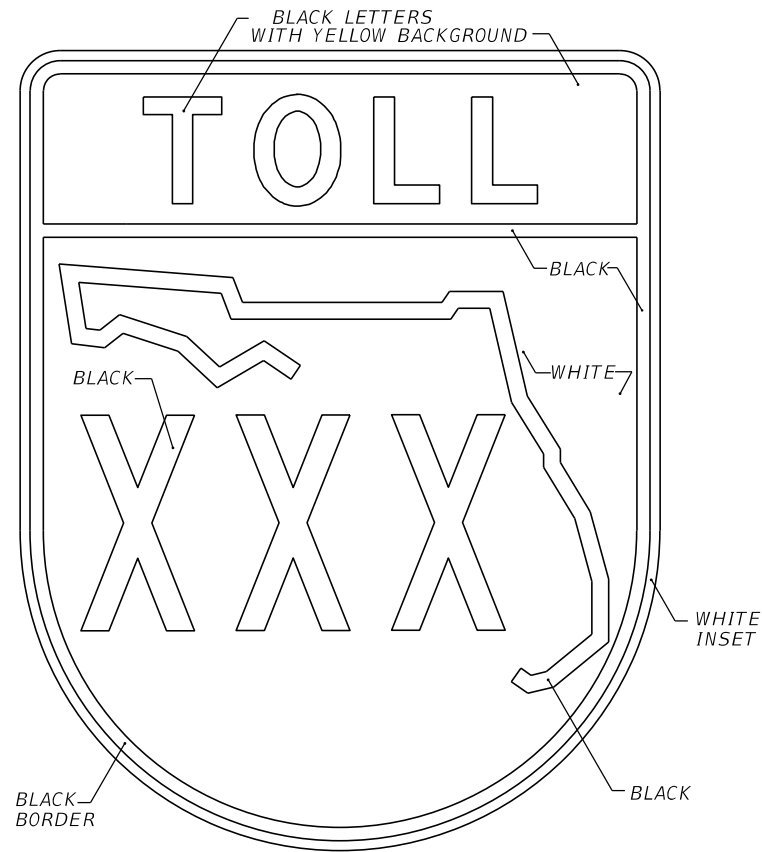
SIGNS ALONG THE AUTHORITY'S
MAINLINE AND RAMPS

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.

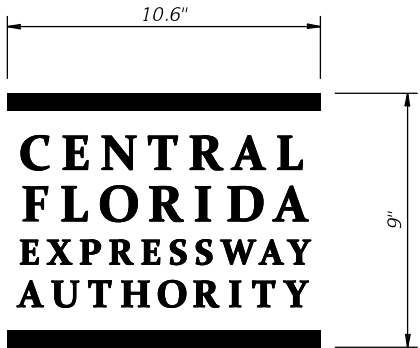
NOTES TO CONSULTANT:

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

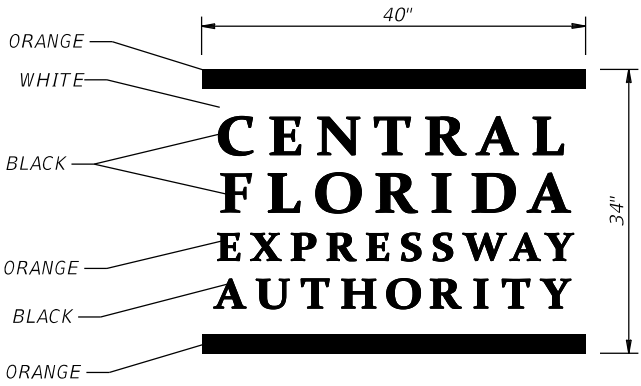
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REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS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

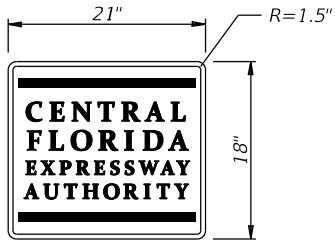
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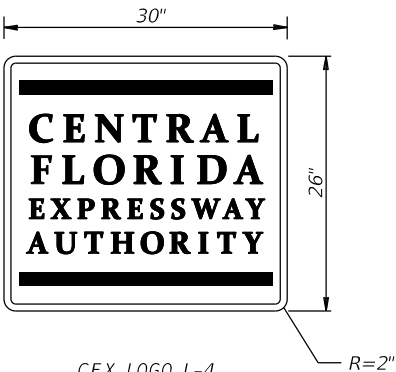
CFX LOGO L-1



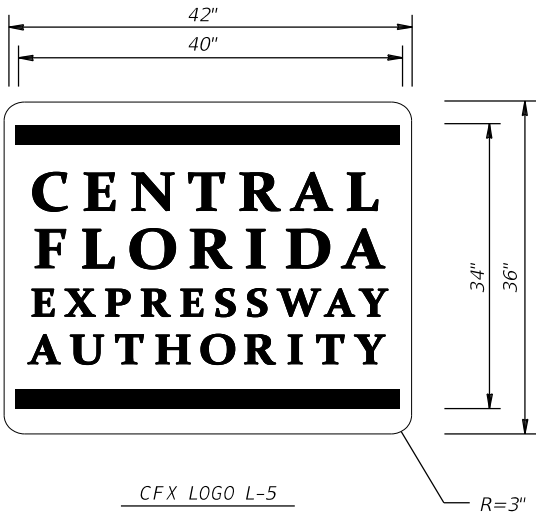
CFX LOGO L-2



CFX LOGO L-3



CFX LOGO L-4



CFX LOGO L-5

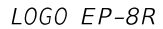
LOGO NOTES

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. FABICATOR 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		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	CFX LOGOS L-1 THRU L-5		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
										7	




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

7. LOGO EP-10.8R IS TO BE MOUNTED TO THE TOP OF EXISTING OVERHEAD GUIDE SIGNS IN A SIMILAR FASHION AS EXIT NUMBER PLAQUES.

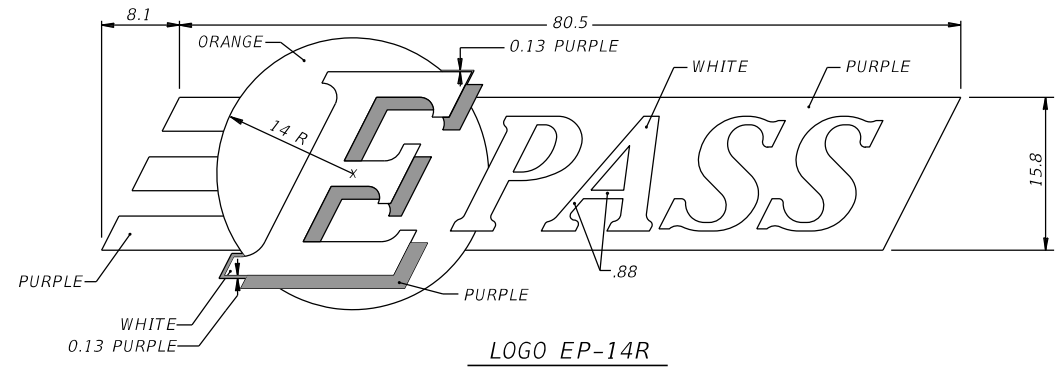
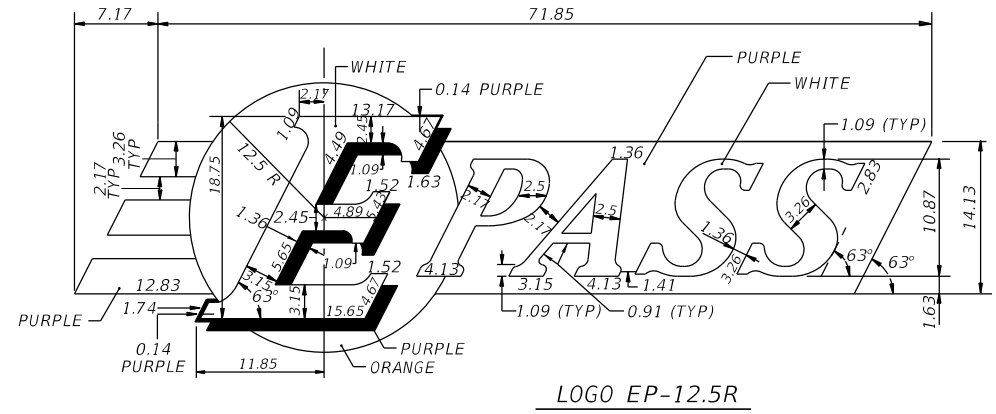
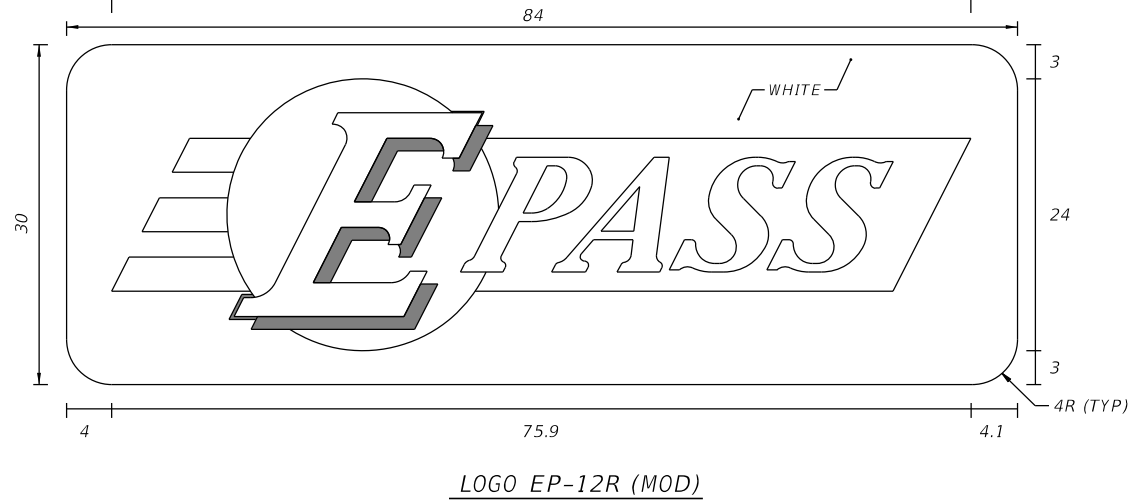
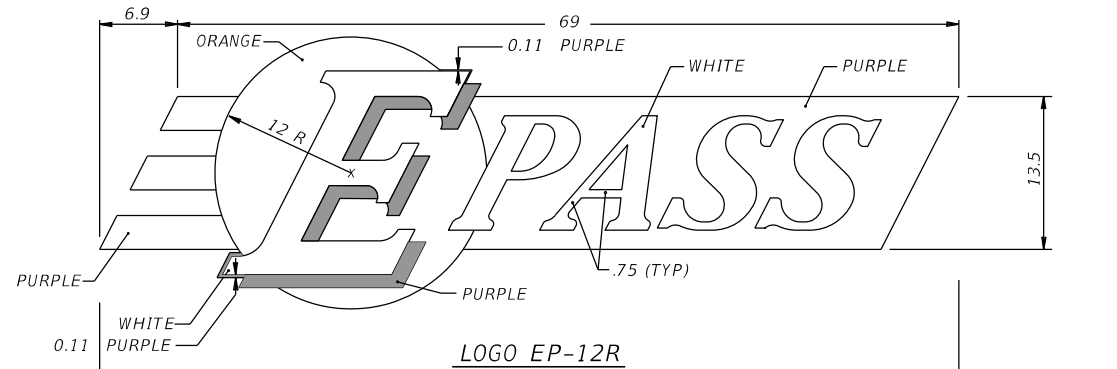
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					



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		<div>EPASS LOGOS</div>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					9

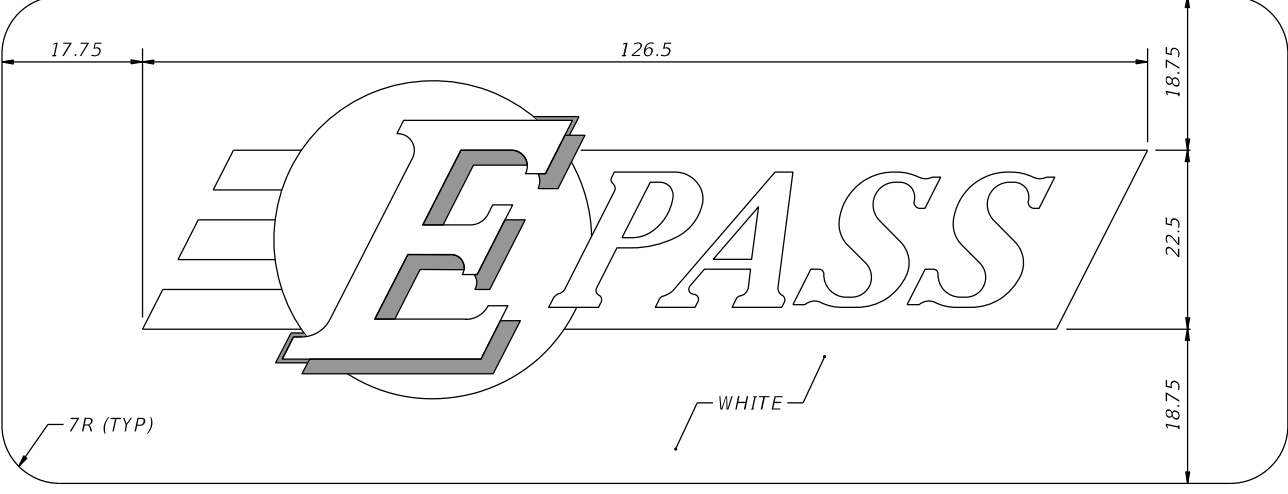
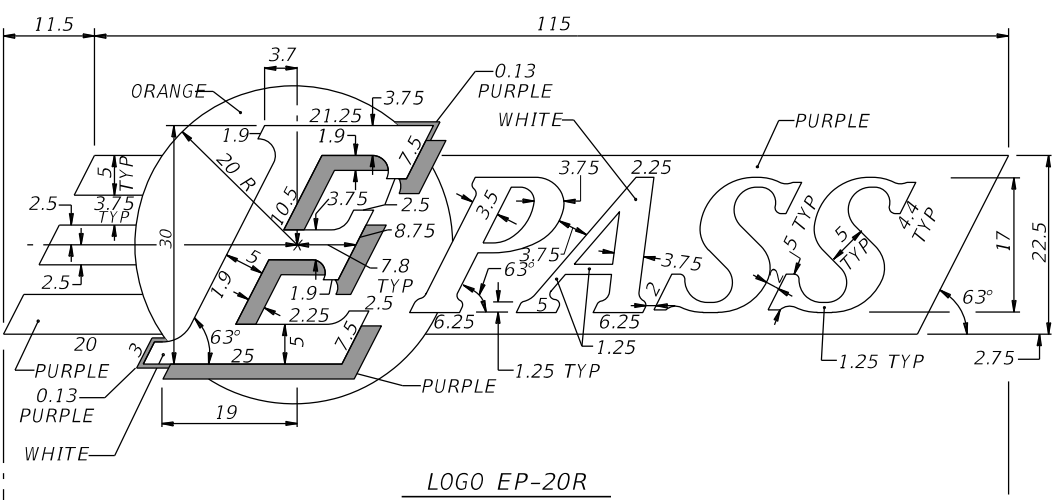
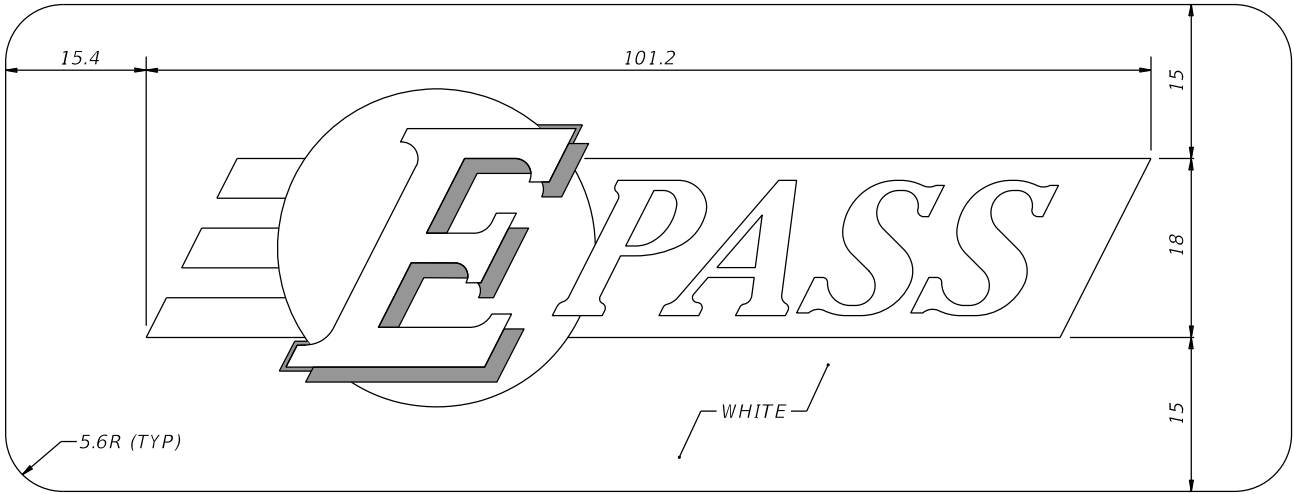
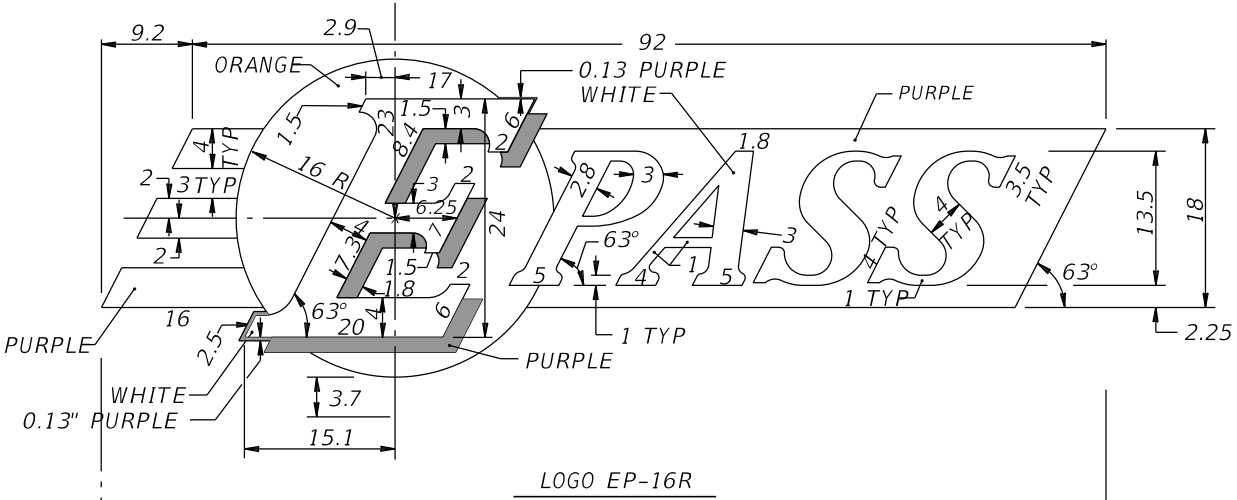
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- NOTES TO CONSULTANT:
1. DELETE ALL INFORMATION NOT SPECIFIC TO PROJECT.
 2. NOTES ON SHEET 8 APPLIES TO ALL EPASS LOGOS.
 3. ALL EPASS LOGOS AND NOTES APPLICABLE TO PROJECT SHOULD BE COMBINED ONTO ONE SHEET WHEN POSSIBLE.
 4. DELETE BOX WITH NOTES 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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	EPASS LOGOS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
									10

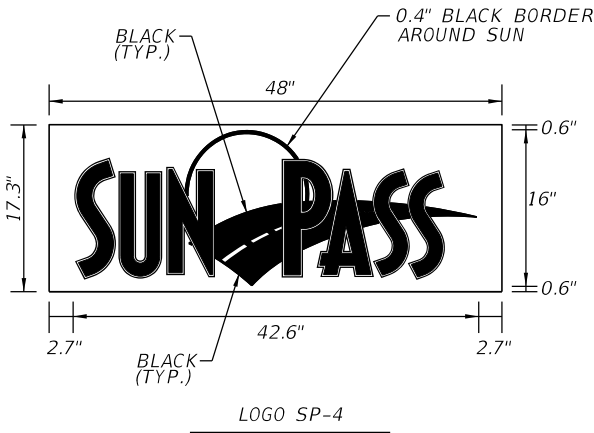
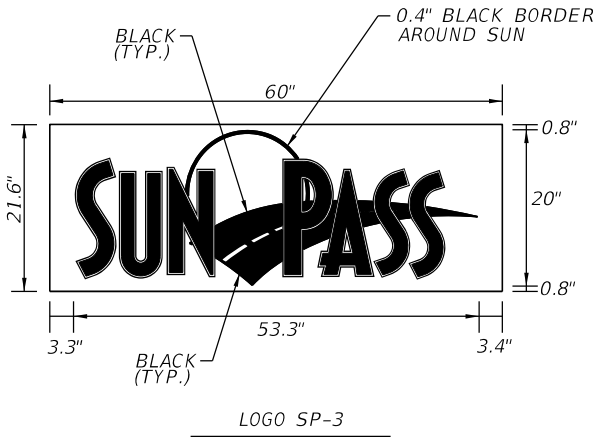
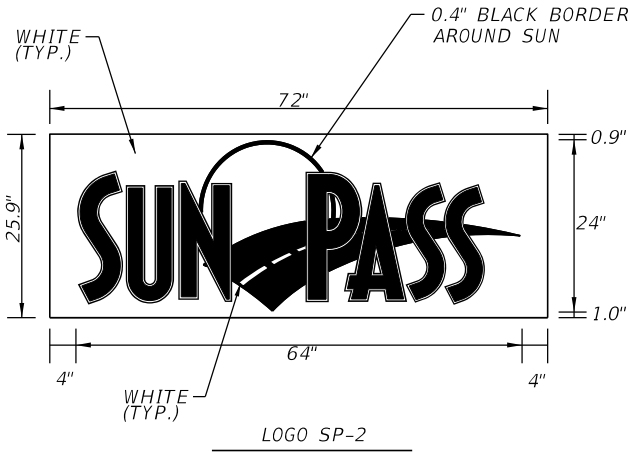
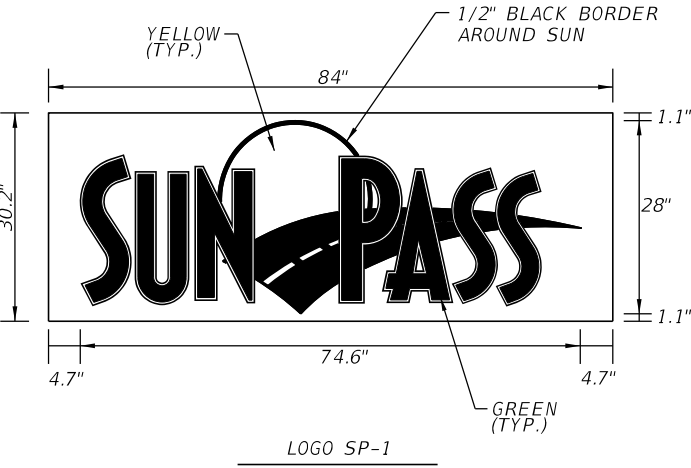
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- NOTES TO CONSULTANT:
1. DELETE ALL INFORMATION NOT SPECIFIC TO PROJECT.
 2. NOTES ON SHEET 8 APPLIES TO ALL EPASS LOGOS.
 3. ALL EPASS LOGOS AND NOTES APPLICABLE TO PROJECT SHOULD BE COMBINED ONTO ONE SHEET WHEN POSSIBLE.
 4. DELETE BOX WITH NOTES 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		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	EPASS LOGOS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				11

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GENERAL NOTES FOR SUNPASS SHIELD:

1. FLORIDA'S TURNPIKE ENTERPRISE WILL PROVIDE THE LOGO IN MICROSTATION FORMAT FOR USE IN SIGN FABRICATION UPON REQUEST.
2. THE LOGO SHALL NOT BE FABRICATED BY HAND CUT OUT METHOD.
3. ALL SIGN COLORS SHALL BE STANDARD HIGHWAY COLORS AS SPECIFIED IN THE MUTCD.
4. SUNPASS SHIELD SHALL HAVE PRISMATIC RETROREFLECTIVE SHEETING, 3M DIAMOND GRADE CUBED (DG3) OR CFX APPROVED EQUAL.
5. ADDITIONAL WHITE BACKGROUND SHALL BE EXCLUDED FROM HORIZONTAL AND VERTICAL DIMENSIONS IN WORKSHEET DETAILS WHEN THE PANEL BACKGROUND IS WHITE.

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	SUNPASS LOGOS SP-1 THRU SP-4		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				12	

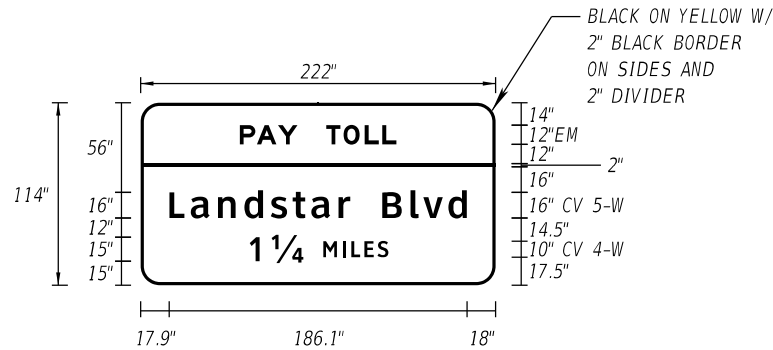
SIGN NUMBER	101
QUANTITY	
WIDTH	18'-6" (222")
HEIGHT	9'-6" (114")
BORDER WIDTH	2"
BORDER RADIUS	12"
BORDER INSET	N/A
BACKGROUND COLOR	Green/Yellow
LEGEND & BORDER COLOR	White/Black
SHEETING	DG3

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

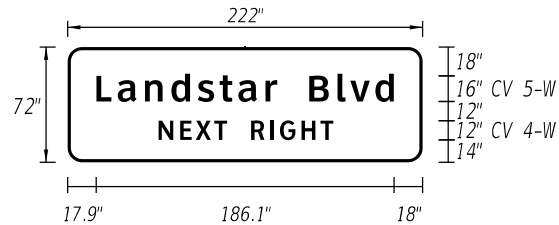
MOUNTING: OVERHEAD TRUSS (OT-X)

[illegible]

SIGN NUMBER	102
QUANTITY	
WIDTH	18'-6" (222")
HEIGHT	6'-0" (72")
BORDER WIDTH	2"
BORDER RADII	9"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

MOUNTING: OVERHEAD CANTILEVER (OC-X)

[illegible]

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

USE: MAINLINE OVERHEAD SIGNS

EXAMPLES:

ADVANCED GUIDE SIGNS FOR TOLLED AND NON-TOLLED EXITS INTERCHANGE SEQUENCE SIGN

INSTRUCTIONS TO DESIGNERS:

FRACTION SPACING:

WHOLE NUMBER TO FRACTION = 7.5

FRACTION TO "MILE" = 12.5

STANDARD WIDTHS OF FRACTIONS:

$$1/4, 1/2 = 20$$
$$3/4 = 22$$

CENTER COLUMNS ABOUT THE WIDEST NUMERAL AND WIDEST FRACTION
IN EACH VERTICAL COLUMN
INCLUDE THE \mathbb{Q} CALLOUTS SHOWN ON THE EXAMPLE SHEET

INTER-WORD SPACING:

1.25X LETTER HEIGHT TWO WORDS PER LINE

1.00X LETTER HEIGHT THREE OR MORE WORDS PER LINE

ARROW-TO-WORD SPACING SHOULD BE EQUAL TO INTER-WORD SPACING

SYMBOL-TO-WORD SPACING:

12" (ADVANCE GUIDE SIGNS)

13.3" (INTERCHANGE SEQUENCE)

STANDARD SHIELD DIMENSIONS (ADVANCE GUIDE SIGNS) W/ 16" DESTINATION TEXT

STATE ROAD (2 OR 3 DIGITS): 48"W X 36"H

COUNTY ROAD (2 DIGITS): 42"W X 42"H (YELLOW RECTANGULAR BACKGROUND)

COUNTY ROAD (3 DIGITS): 48"W X 48"H (YELLOW RECTANGULAR BACKGROUND)

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)

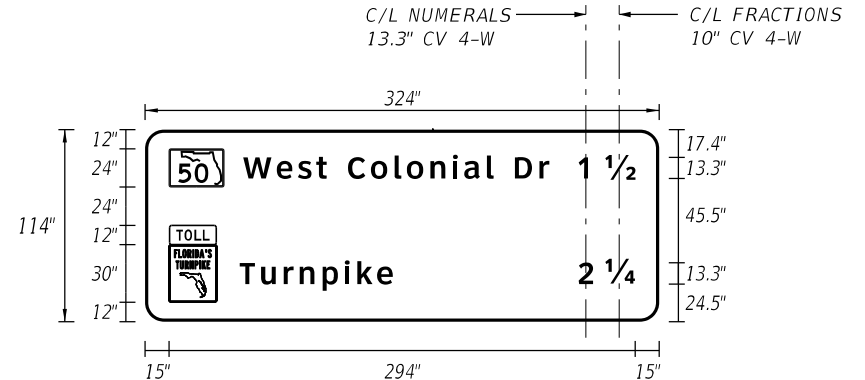
COUNTY ROAD (3 DIGITS): 34"W X 33"H (YELLOW RECTANGULAR BACKGROUND)

SIGN NUMBER	103
QUANTITY	
WIDTH	27'-0" (324")
HEIGHT	9'-6" (114")
BORDER WIDTH	2"
BORDER RADII	9"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

FABRICATOR SHALL ADJUST SPACING SUCH THAT NUMERALS AND FRACTIONS ARE VERTICALLY CENTERED ABOUT THE WIDEST IN EACH COLUMN. CENTERLINES ARE NOT PART OF THE SIGN FACE.

MOUNTING: OVERHEAD TRUSS (OT-X)

[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;"> CENTRAL FLORIDA EXPRESSWAY AUTHORITY </div>	<i>GUIDE SIGN WORKSHEET</i> <i>SIGNS 101 - 103</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.			13

W:\50088189\Design Projects\Signing and Pavement Markings\CFX-Standards\A2-02.dgn 3:53:40 PM 2/17/2021 zfincher

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

NOTES:

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

** BLACK ON YELLOW W/ 2" BLACK BORDER ON SIDES AND 2" DIVIDER

MOUNTING: OVERHEAD CANTILEVER (OC-X)



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	32	18	48.5				68.2								154.1
COPY																					
SPACE																					
COPY																					
SPACE																					

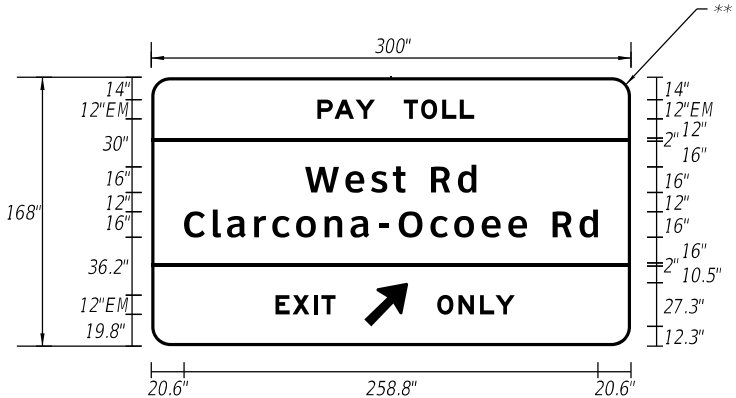
SIGN NUMBER	105
QUANTITY	
WIDTH	25'-0" (300")
HEIGHT	14'-0" (168")
BORDER WIDTH	2"
BORDER RADII	9"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

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

** BLACK ON YELLOW W/ 2" BLACK BORDER ON SIDES AND 2" DIVIDER

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

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

USE: MAINLINE OVERHEAD SIGNS

EXAMPLES:

TRADITIONAL EXIT ONLY GUIDE SIGNS FOR TOLLED AND NON-TOLLED SINGLE-LANE EXITS

NO REENTRY SIGNING

INSTRUCTIONS TO DESIGNERS CONTINUED:

INCLUDE STANDARD NOTES FOR HORIZONTAL SPACING AND END DIMENSIONS

INCLUDE ONLY REQUIRED VERTICAL DIMENSIONS IN PANEL LAYOUT

INCLUDE ALL ARROWS AND SYMBOLS WITHIN THE COPY/SPACE TABLE

PROVIDE OVERALL HEIGHT/WIDTH DIMENSIONS IN BOTH FEET AND INCHES

LABEL ALL BORDER/DIVIDER COLORS

COPY SPACING SHALL BE IN WORD LENGTHS AND SPACES BETWEEN

NO OTHER LAYOUT (X/Y COORDINATES, OBJECT LEFTS) SHALL BE ALLOWED

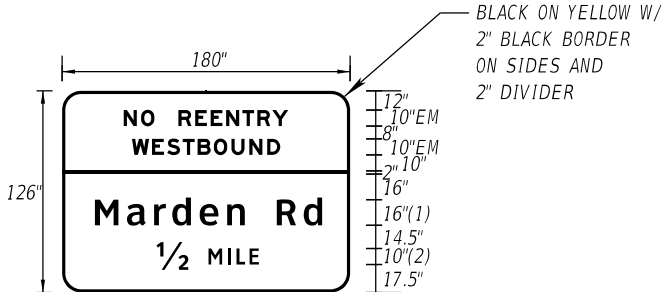
SIGN NUMBER	106
QUANTITY	
WIDTH	15'-0" (180")
HEIGHT	10'-6" (126")
BORDER WIDTH	2"
BORDER RADII	9"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

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

MOUNTING: OVERHEAD TRUSS (OT-X)



FONT:

(1) ClearviewHwy-5-W

(2) ClearviewHwy-4-W

COPY		N	O		R	E	E	N	T	R	Y											L
SPACE	38.6		19.1	15				68.7				38.6										102.8
COPY		W	E	S	T	B	O	U	N	D												L
SPACE	43.7					92.6					43.7											92.6
COPY		M	a	r	d	e	n			R	d											L
SPACE	20.5					93.7			20	28.4	17.4											142.1
COPY		1/2			M	I	L	E														L
SPACE	59	19.9	12.5			31.6		57														64

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>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	GUIDE SIGN WORKSHEET SIGNS 104 - 106	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION <td rowspan="3">14</td>					14

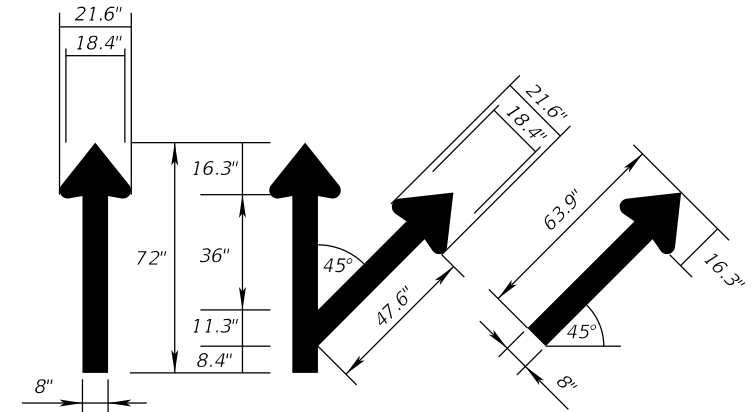


Diagram illustrating the dimensions and components of the 'EXIT ONLY' sign:

- The sign consists of two main sections: **EXIT** and **ONLY**.
- The **EXIT** section is on the left, and the **ONLY** section is on the right.
- The text is in large, bold, black capital letters.
- The background is yellow, and the text is black.
- The sign is 12" EM (Effective Medium) wide.
- The sign is 3" high.
- The sign has a 2" R (Typical) radius on the corners.
- The sign is labeled **BLACK ON YELLOW**.

[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 SIGN 107	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.

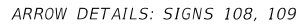
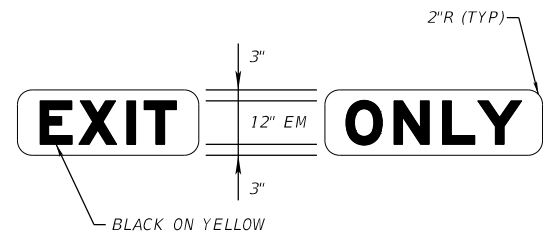
NOTES:

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

SIGN NUMBER	109
QUANTITY	
WIDTH	25'-6" (306")
HEIGHT	12'-6" (150")
BORDER WIDTH	2"
BORDER RADII	12"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

[illegible]

MOUNTING: OVERHEAD TRUSS (OT-X)



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

INTENTIONALLY LEFT BLANK

[illegible]

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

**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

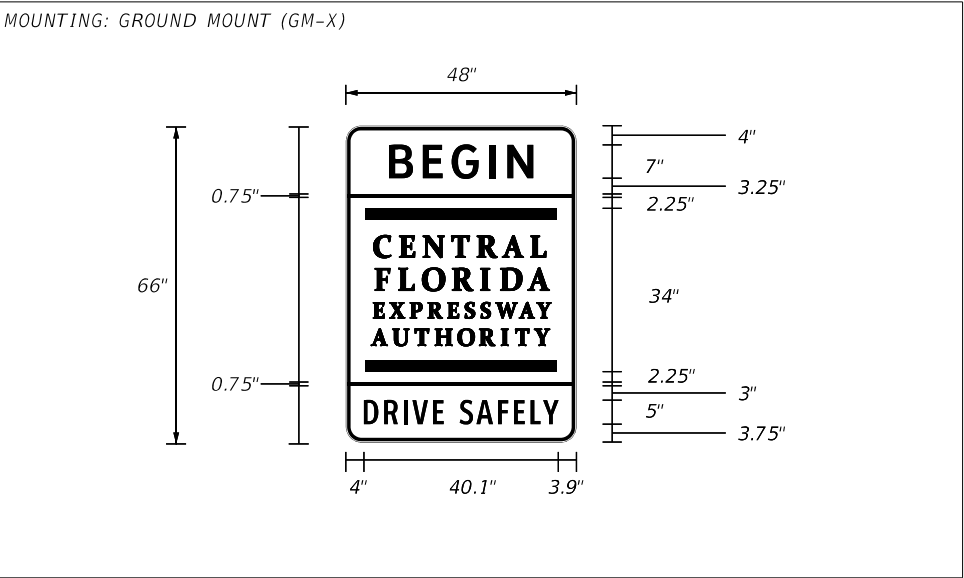
SHEET
NO.

16

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SIGN NUMBER	113
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

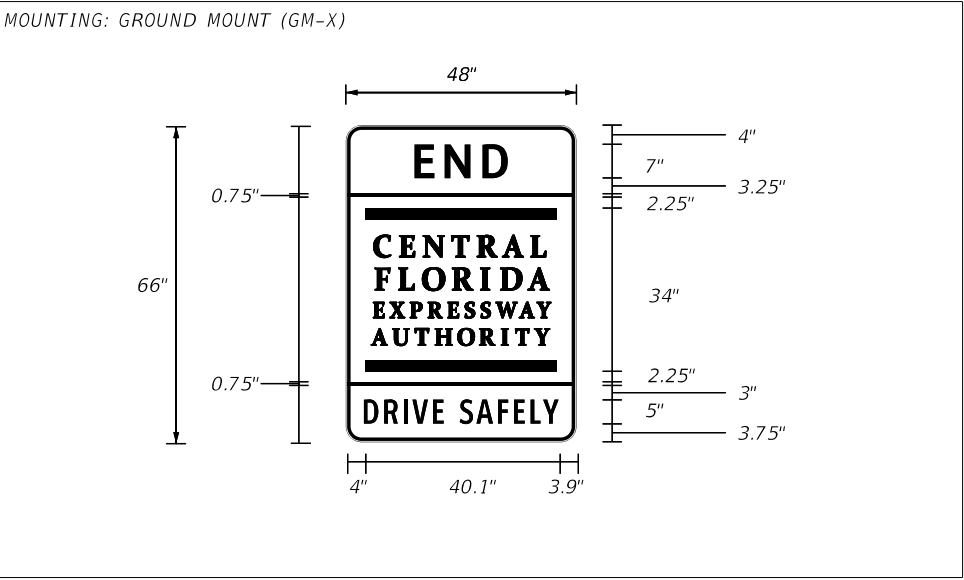
NOTES:
SEE CFX LOGO L-2, THIS SHEET



COPY		B	E	G	I	N														L
SPACE	11.4			25.2			11.4													25.2
COPY																				L
SPACE	4	40	4																	40
COPY		D	R	I	V	E		S	A	F	E	L	Y							L
SPACE	4			15.2			5			19.9				3.9						40.1
COPY																				
SPACE																				
COPY																				
SPACE																				

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

NOTES:
SEE CFX LOGO L-2, THIS SHEET



COPY		E	N	D																L
SPACE	15.7			16.7			15.6													16.7
COPY																				L
SPACE	4	40	4																	40
COPY		D	R	I	V	E		S	A	F	E	L	Y							L
SPACE	4			15.2			5			19.9				3.9						40.1
COPY																				
SPACE																				

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

USE: MAINLINE GROUND MOUNT SIGNS

EXAMPLES:
BEGIN CFX SYSTEM SIGN
END CFX SYSTEM SIGN

CFX LOGO L-2

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

NOTES:

INTENTIONALLY LEFT BLANK

COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

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

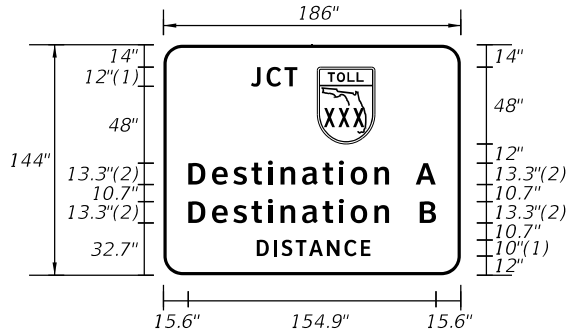
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	<i>GUIDE SIGN WORKSHEET</i> <i>SIGNS 113, 114</i>		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				18

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SIGN NUMBER	115
QUANTITY	
WIDTH	15'-6" (186")
HEIGHT	12'-0" (144")
BORDER WIDTH	2"
BORDER RADII	10"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

MOUNTING: OVERHEAD CANTILEVER (OC-X)



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																					

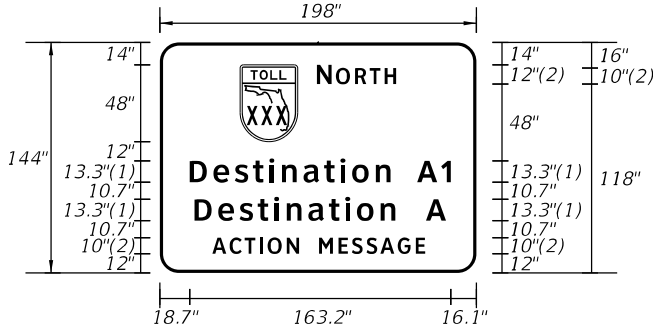
USE: OVERHEAD SIGNS

EXAMPLES:
CROSSROADS GUIDE SIGNS

SIGN NUMBER	116
QUANTITY	
WIDTH	16'-6" (198")
HEIGHT	12'-0" (144")
BORDER WIDTH	2"
BORDER RADII	10"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

MOUNTING: OVERHEAD CANTILEVER (OC-X)



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

NOTES:

INTENTIONALLY LEFT BLANK

COPY																					
SPACE																					
COPY																					
SPACE																					
COPY																					
SPACE																					
COPY																					
SPACE																					

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

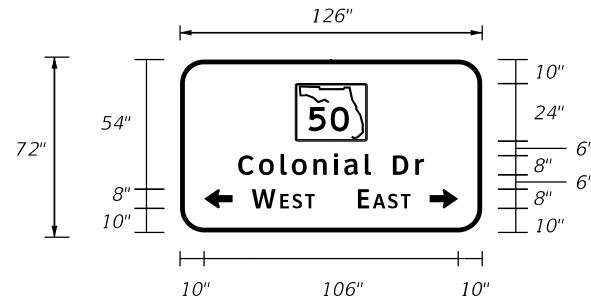
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		GUIDE SIGN WORKSHEET SIGNS 115, 116	SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION					

SIGN NUMBER	117
QUANTITY	
WIDTH	10'-6" (126")
HEIGHT	6'-0" (72")
BORDER WIDTH	2"
BORDER RADII	9"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

USE 2" BORDER REGARDLESS OF
TOTAL PANEL AREA (SF)

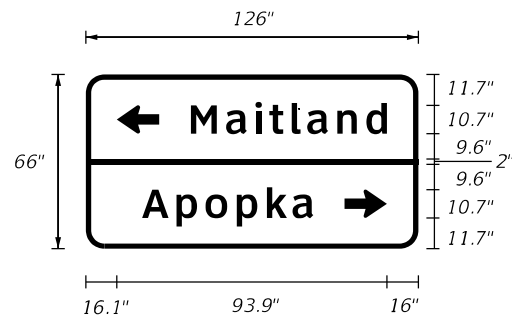
MOUNTING: GROUND MOUNT (GM-X)

[illegible]

SIGN NUMBER	118
QUANTITY	
WIDTH	10'-6" (126")
HEIGHT	5'-6" (66")
BORDER WIDTH	2"
BORDER RADII	8"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

MOUNTING: GROUND MOUNT (GM-X)

[illegible]

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

USE: RAMP GROUND MOUNT SIGNS

EXAMPLES:

CROSSROAD DIRECTION SIGN

DESTINATION SIGN

ENTRANCE RAMP SIGN

INSTRUCTIONS TO DESIGNERS CONTINUED:

CROSSROAD DIRECTIONAL SIGN:

STREET NAME SHALL BE 8" CV5W.

THE FIRST LETTER OF CARDINAL DIRECTION SHALL BE 8" CV4W

AND THE REMAINING LETTERS SHALL BE 6" CV4W.

ARROWS SHALL BE 12" x 8".

BORDER SHALL BE 2".

DESTINATION SIGN:

8" MINIMUM / 10" MAXIMUM CV5W FOR THE DESTINATION.

12" x 8" ARROWS WITH 8" CV5W.

16" x 10" ARROWS WITH 10" CV5W.

HORIZONTAL SEPARATOR BETWEEN EACH DESTINATION:

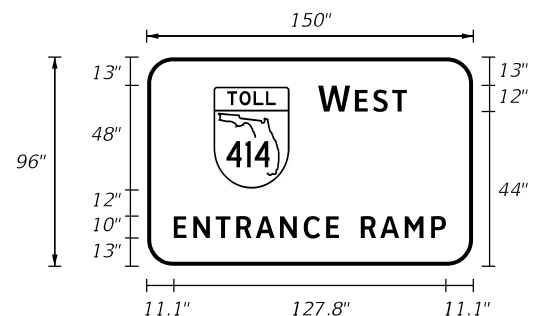
WIDTH AND COLOR TO MATCH SIGN BORDER

SEPARATOR TO EXTEND FULL WIDTH OF PANEL

SIGN NUMBER	119
QUANTITY	
WIDTH	12'-6" (150")
HEIGHT	8'-0" (96")
BORDER WIDTH	2"
BORDER RADII	9"
BORDER INSET	N/A
BACKGROUND COLOR	Green
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

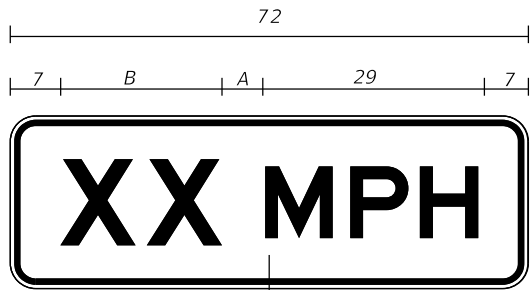
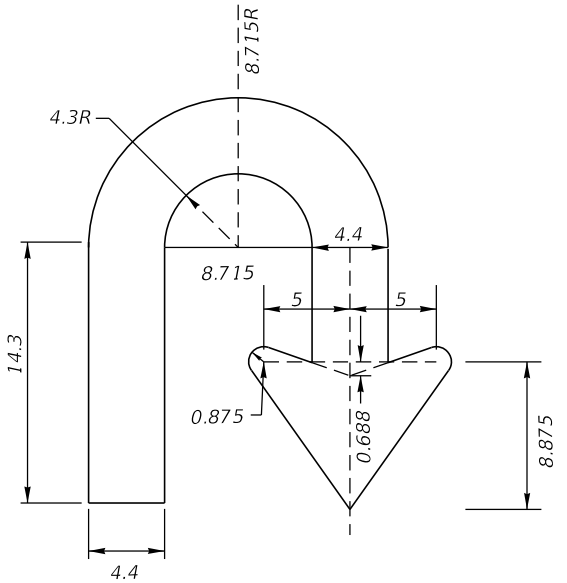
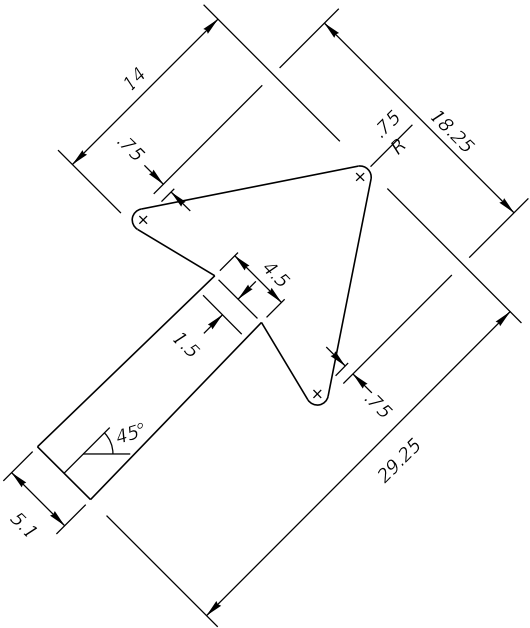
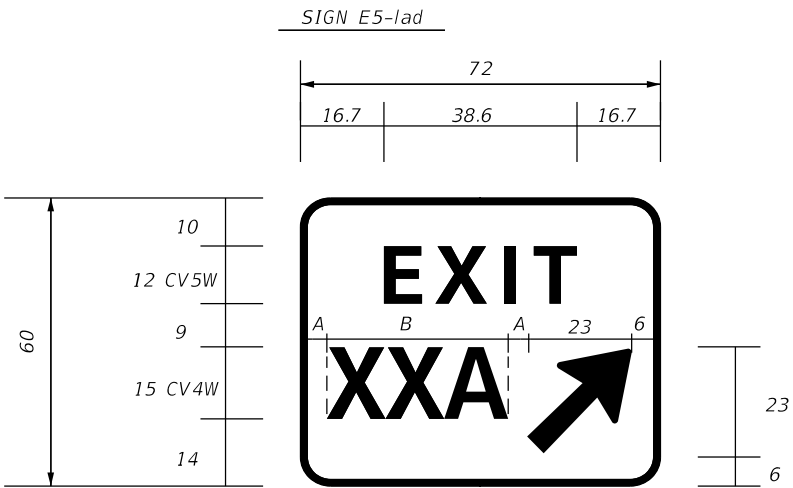
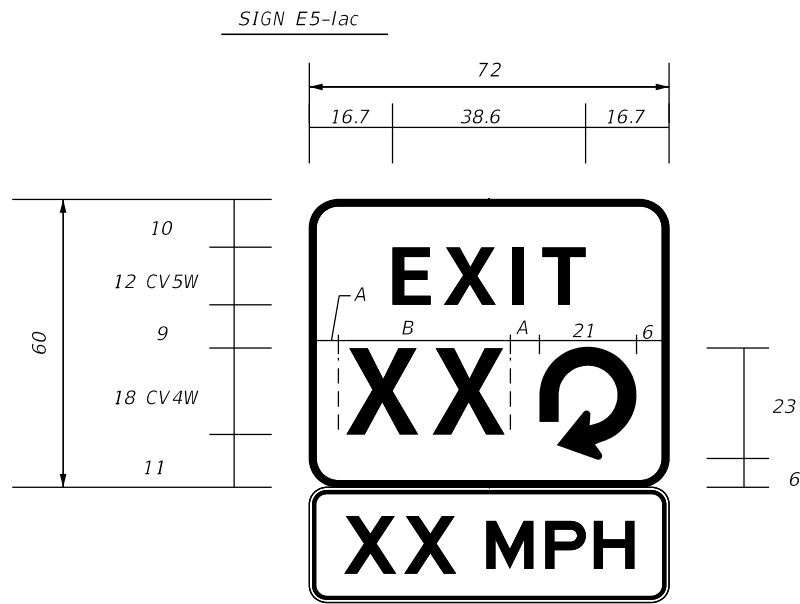
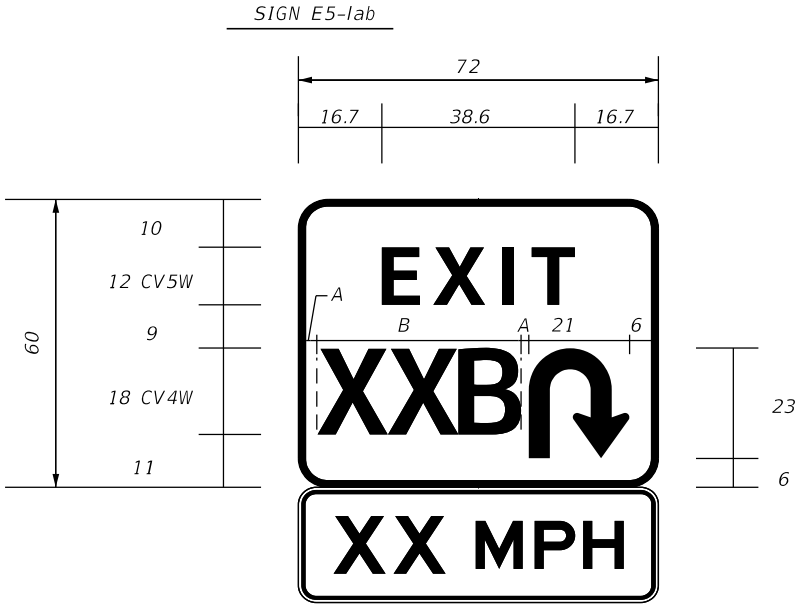
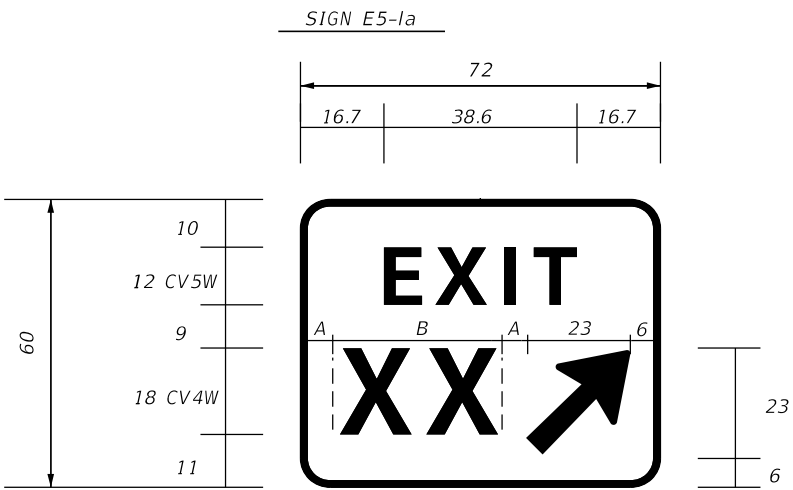
MOUNTING: GROUND MOUNT (GM-X)

[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	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GUIDE SIGN WORKSHEET SIGNS 117 - 119	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					20

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CORNER RADII: 3
BORDER: 0.875
INSET: 0.625

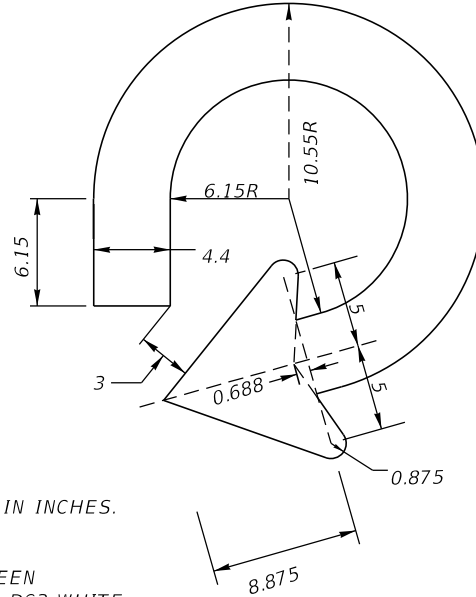
NOTES TO CONSULTANT:

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

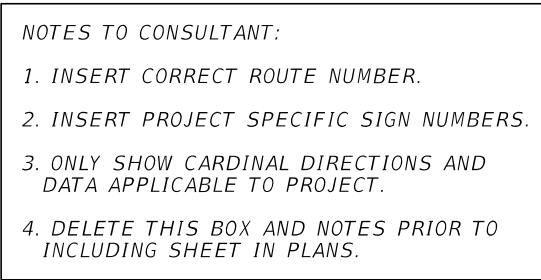
NOTES:

- ALL DIMENSIONS ARE IN INCHES.
- EXIT GORE PANEL:
BACKGROUND: DG3 GREEN
LEGEND AND BORDER: DG3 WHITE
CORNER RADII: 6"
BORDER: 1.5"
- SHOP DRAWINGS ARE REQUIRED.
- 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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GUIDE SIGN WORKSHEET EXIT GORE SIGNS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				21

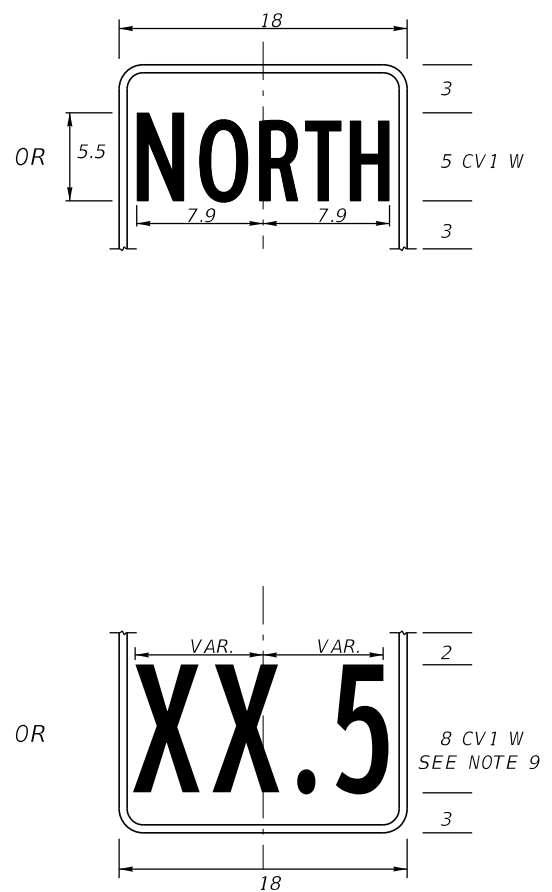
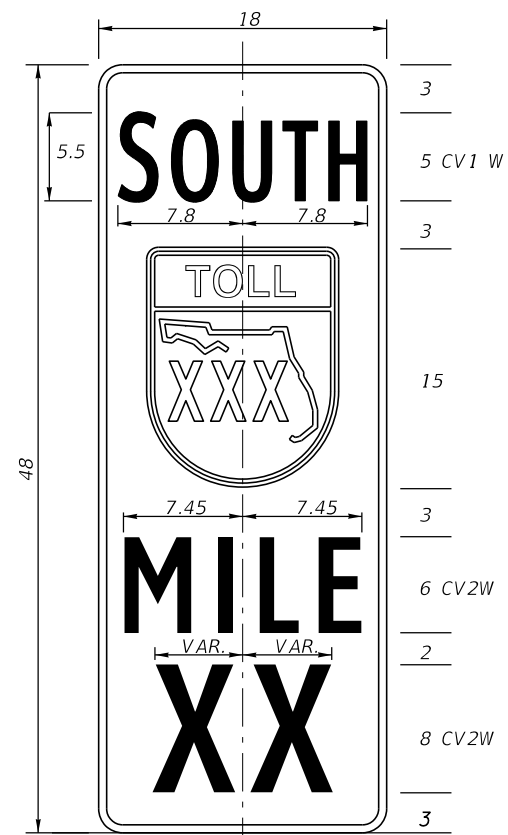
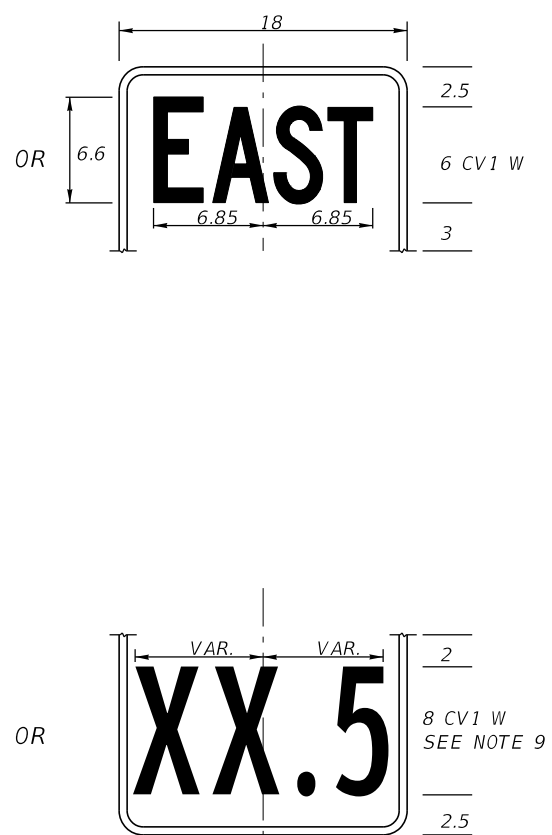
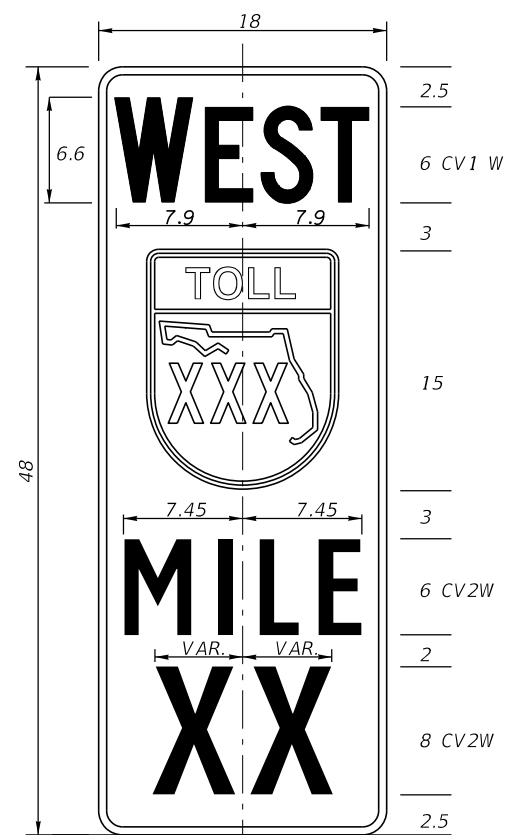
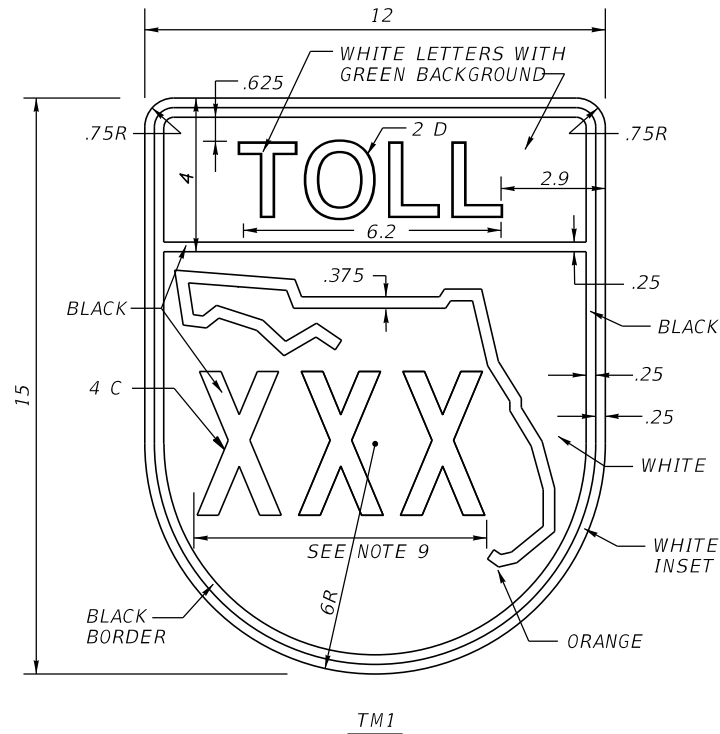


COPY SPACING			SIZE/SERIES
	WEST		12/10 CV4W
6.1	41.9	6	
	EAST		12/10 CV4W
9.3	35.4	9.3	
	NORTH		12/10 CV3W
4.0	46	4.0	
	SOUTH		12/10 CV3W
4.5	45	4.5	

- [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>	SPECIAL DESIGN ROUTE CONFIRMATION MARKERS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	PROJECT NO.			
									22

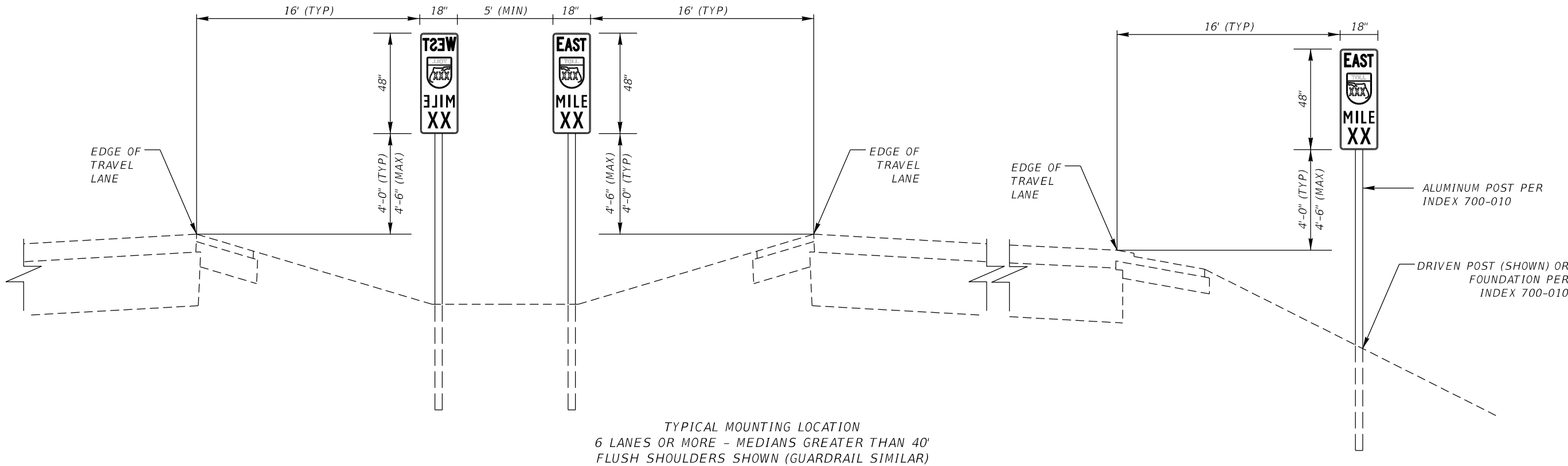
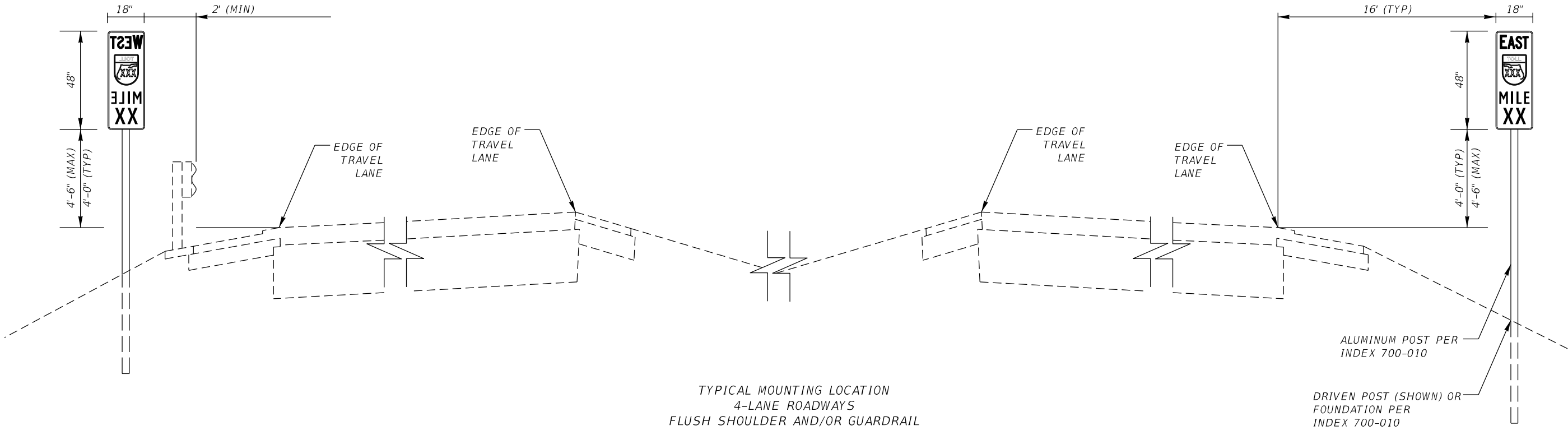
1. MAIN PANEL:
BACKGROUND: GREEN
LEGEND AND BORDER: WHITE
BORDER WIDTH: 0.5"
CORNER RADII: 1.5"
2. MAKE FIRST LETTER OF CARDINAL DIRECTION 10% LARGER (AS SHOWN).
ALL LETTERS ARE BOTTOM JUSTIFIED.
3. TOLL SHIELD COLORS:
BLACK
WHITE
GREEN
ORANGE: 3M COMPANY EC FILM NO. 1174 OR CFX APPROVED EQUAL.
4. FABRICATOR 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.
5. ALL DIMENSIONS ON SHEET ARE IN INCHES.
6. 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.
7. OPTICALLY LOCATE MILEPOST NUMERALS IN BOTH FORMATS (XX AND XX.5)
ABOUT THE CENTERLINE OF PANEL.
8. FABRICATOR TO ADJUST HORIZONTAL SPACING AS NECESSARY TO FIT. DO NOT
OVERLAP ONTO STATE OUTLINE OR SHIELD BORDER.
9. DETAILED SHOP DRAWINGS ARE REQUIRED.
10. FABRICATOR SHALL USE THE STATE OUTLINE CONFIGURATION SHOWN IN THE
TOLL SHIELD DETAIL.

[illegible]

1. INFORMATION SHOWN IN TABLE IS FOR EXAMPLE PURPOSES ONLY. CONSULTANT SHALL REVISE AS NEEDED FOR SPECIFIC PROJECT.
2. ONLY SHOW INFORMATION RELATIVE TO SPECIFIC PROJECT.
3. 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.
4. DELETE THIS BOX AND NOTES PRIOR TO INCLUDING SHEET IN PLANS.

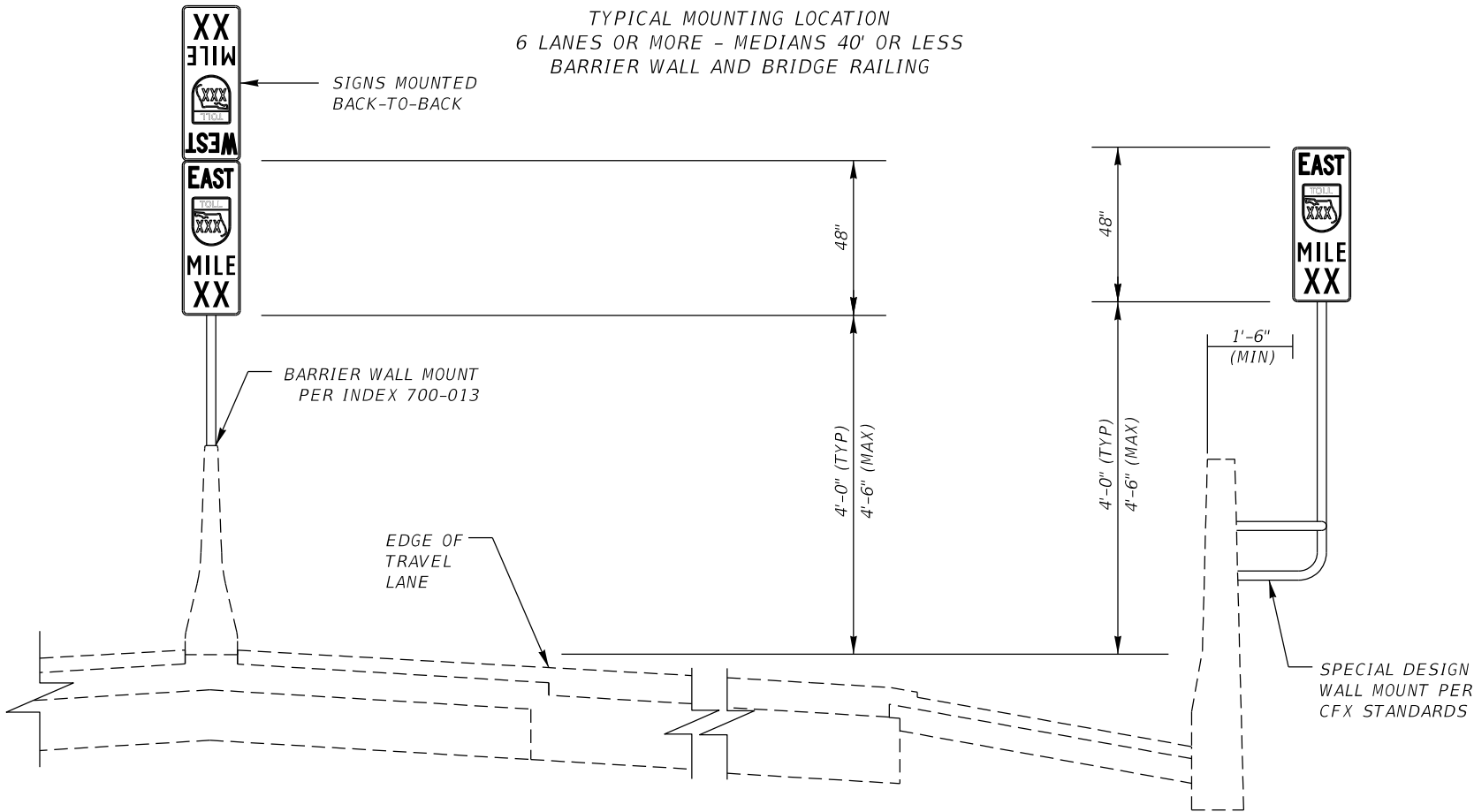
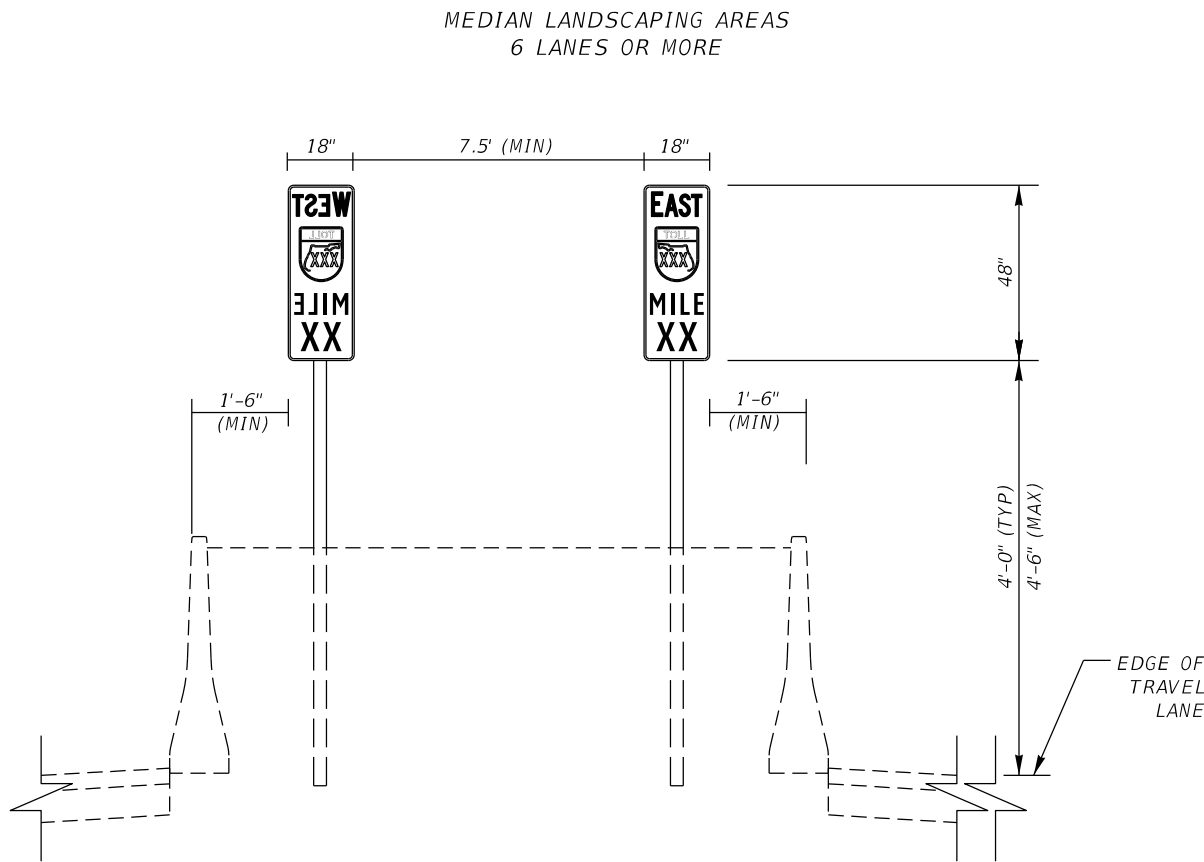
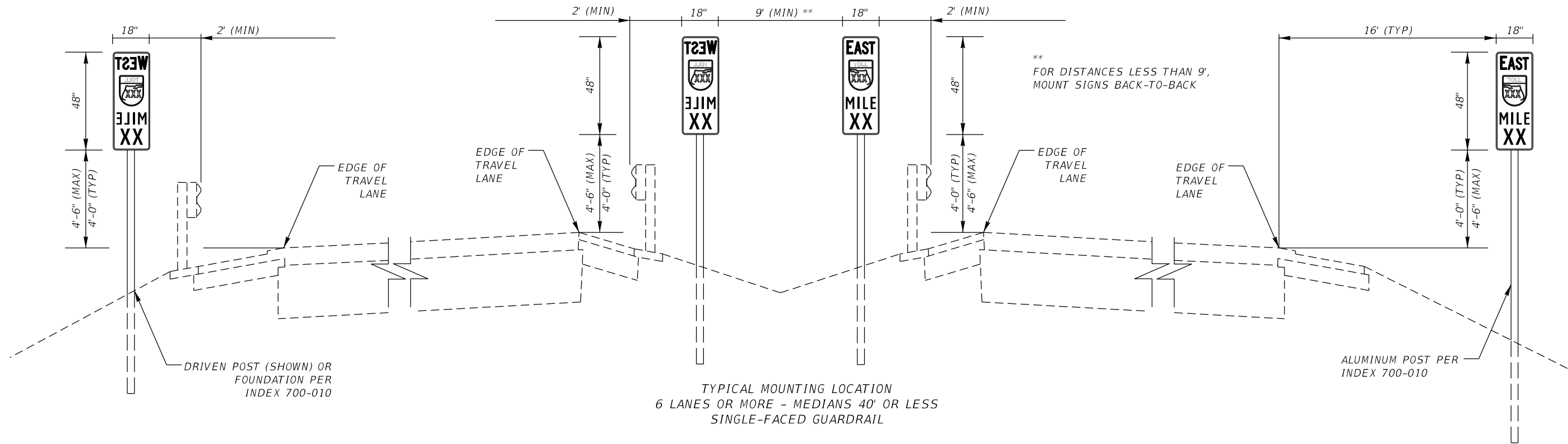
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>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

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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	<i>SPECIAL DESIGN MILEPOST LOCATION AND MOUNTING</i>		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.					
										24	

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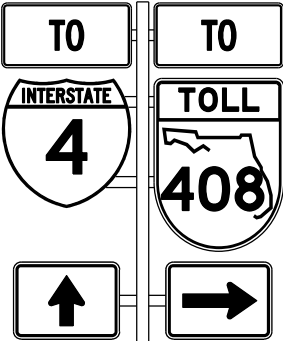
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>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

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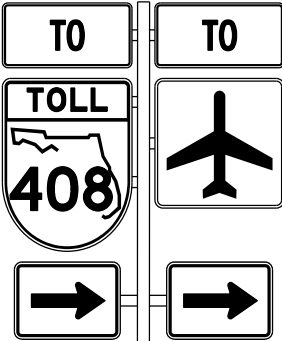
DETAIL A

SEPARATE AUXILIARY PANELS
REQUIRED WITH EACH
TOLL SHIELD



DETAIL B

SEPARATE AUXILIARY PANELS
REQUIRED WITH EACH SHIELD



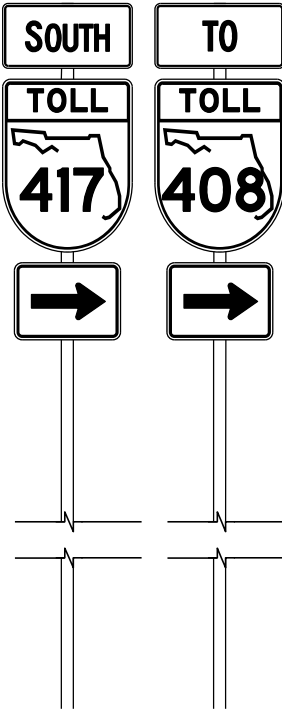
DETAIL C

LOCATION OF PLAQUES FOR
GENERAL SERVICE,
GENERAL INFORMATION, ETC

TOTAL AREA = 30 SF OR LESS

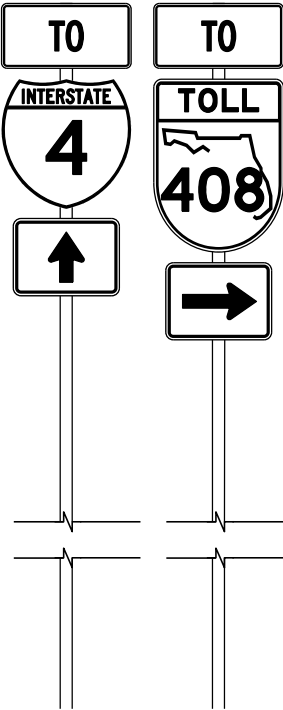
NOTES:

- 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.



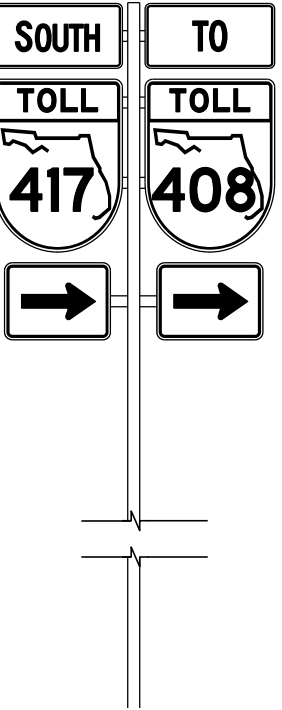
DETAIL D

SEPARATE SINGLE POST ASSEMBLIES



DETAIL E

SEPARATE SINGLE POST ASSEMBLIES



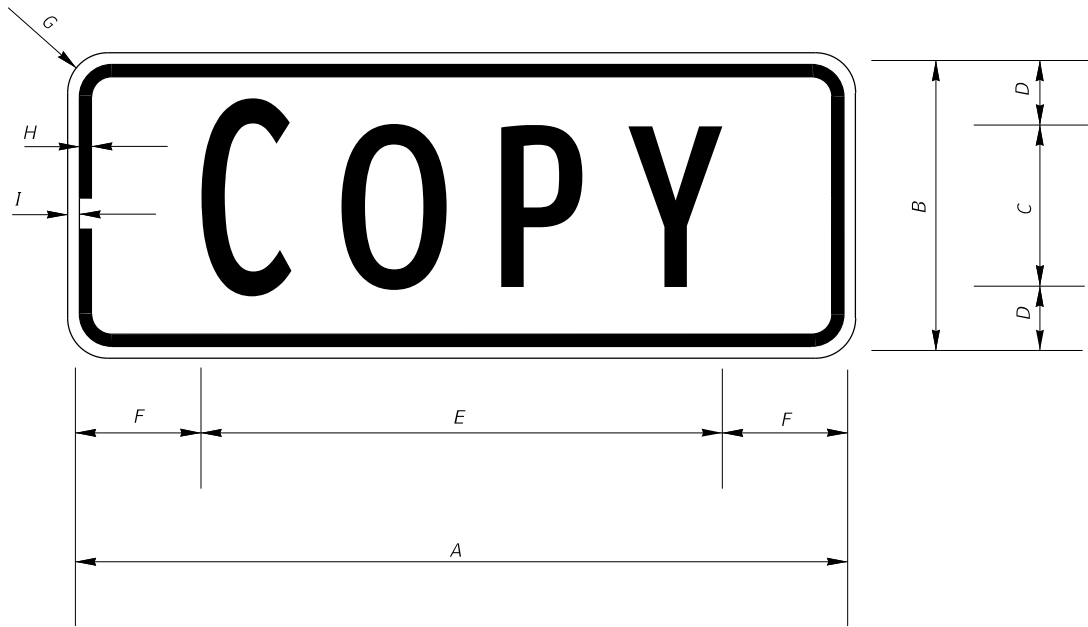
DETAIL F

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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TRAILBLAZER MOUNTING DETAILS		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.					
										26	

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- 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.

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:

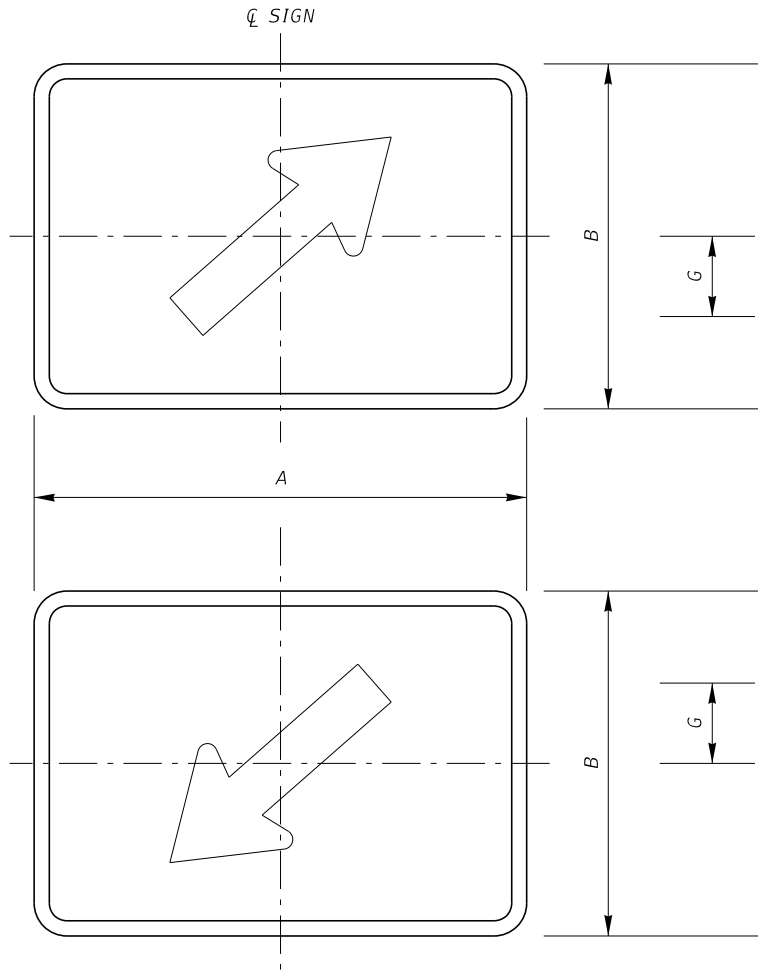
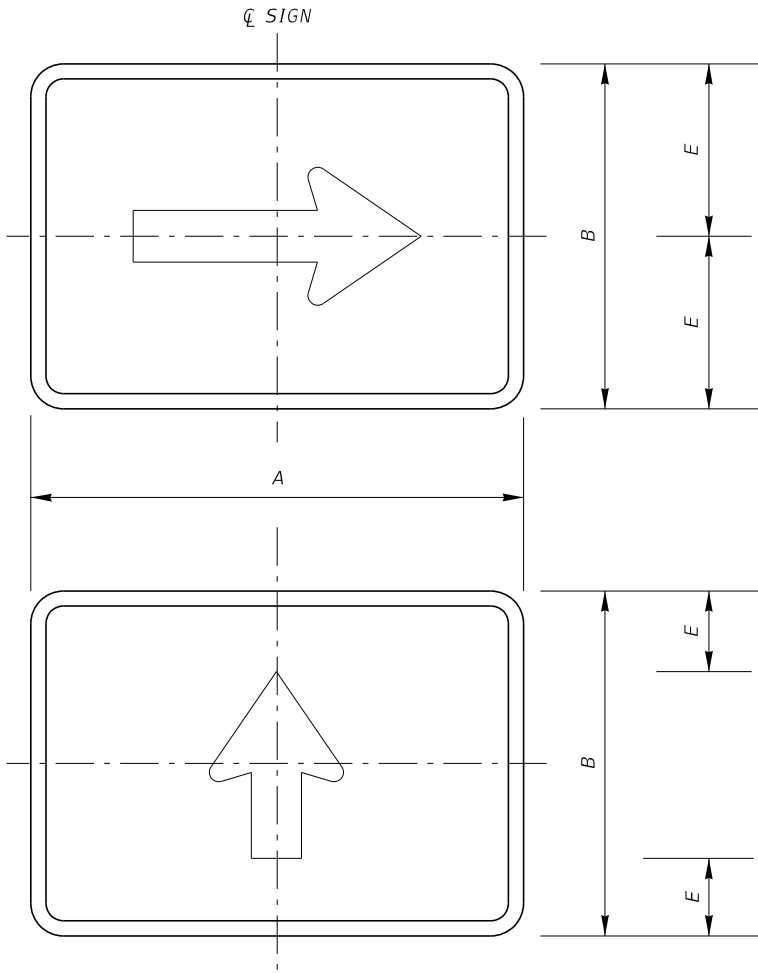
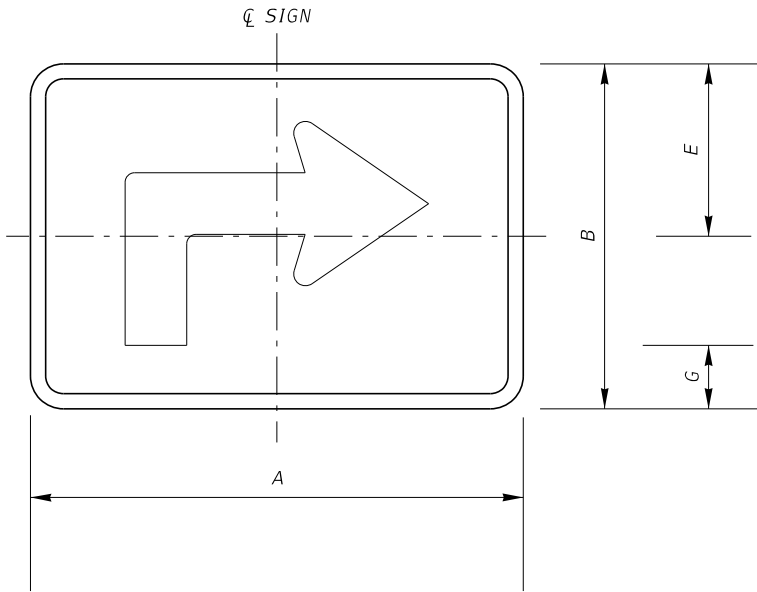
- MATCH THE WIDTH OF THE ROUTE SHIELD.
- REQUIRE SPECIAL DETAIL(S) IN THE WORKSHEETS IF REQUIRED SIZE DOES NOT MATCH STANDARDS AS SHOWN IN THE SHSM.
- BE DESIGNATED USING THE NATIONAL CODE WITH AN "X" OR AN "XX" ADDED TO THE END (I.E., M2-1X, M2-1XX, ETC.).

TOP AND BOTTOM AUXILIARY PANEL COLORS SHALL MATCH THE ASSOCIATED ROUTE SHIELD.

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	

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	<i>SPECIAL DESIGN AUXILIARY PANELS FOR ROUTE MARKERS</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	PROJECT NO.			27

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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:

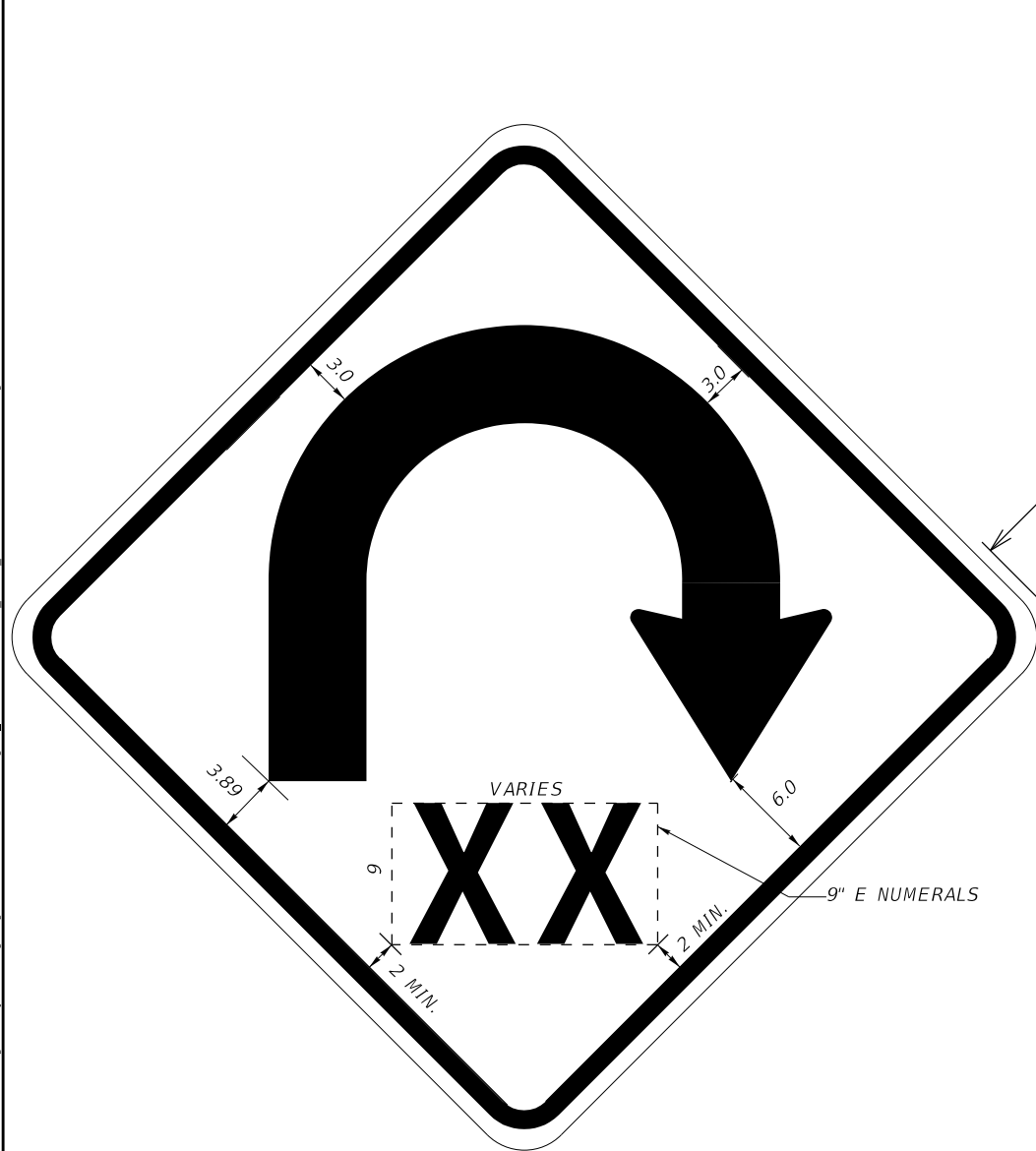
- ALL DIMENSIONS ARE IN INCHES.
- AUXILIARY PANELS WITH TOLL SHIELDS:
BACKGROUND: DG3 WHITE
LEGEND & BORDER: BLACK.
- BACKGROUND, LEGEND AND BORDER COLORS
SHALL MATCH ASSOCIATED INTERSTATE, STATE
OR COUNTY ROUTE SHIELDS.
- FABRICATOR SHALL OPTICALLY CENTER (HORIZONTAL
AND VERTICAL) THE ARROW WITHIN THE 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

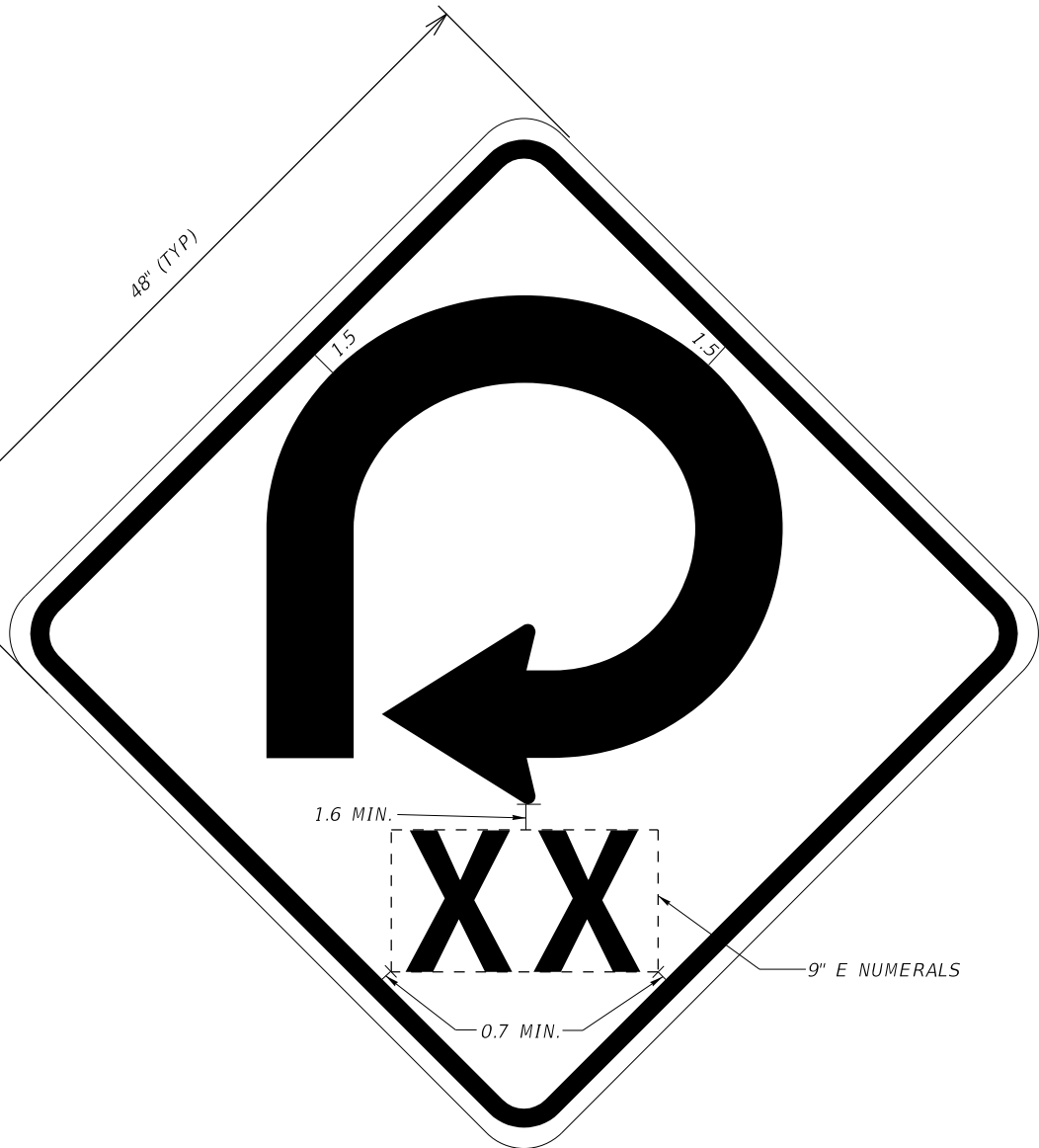
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	<i>SPECIAL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

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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:

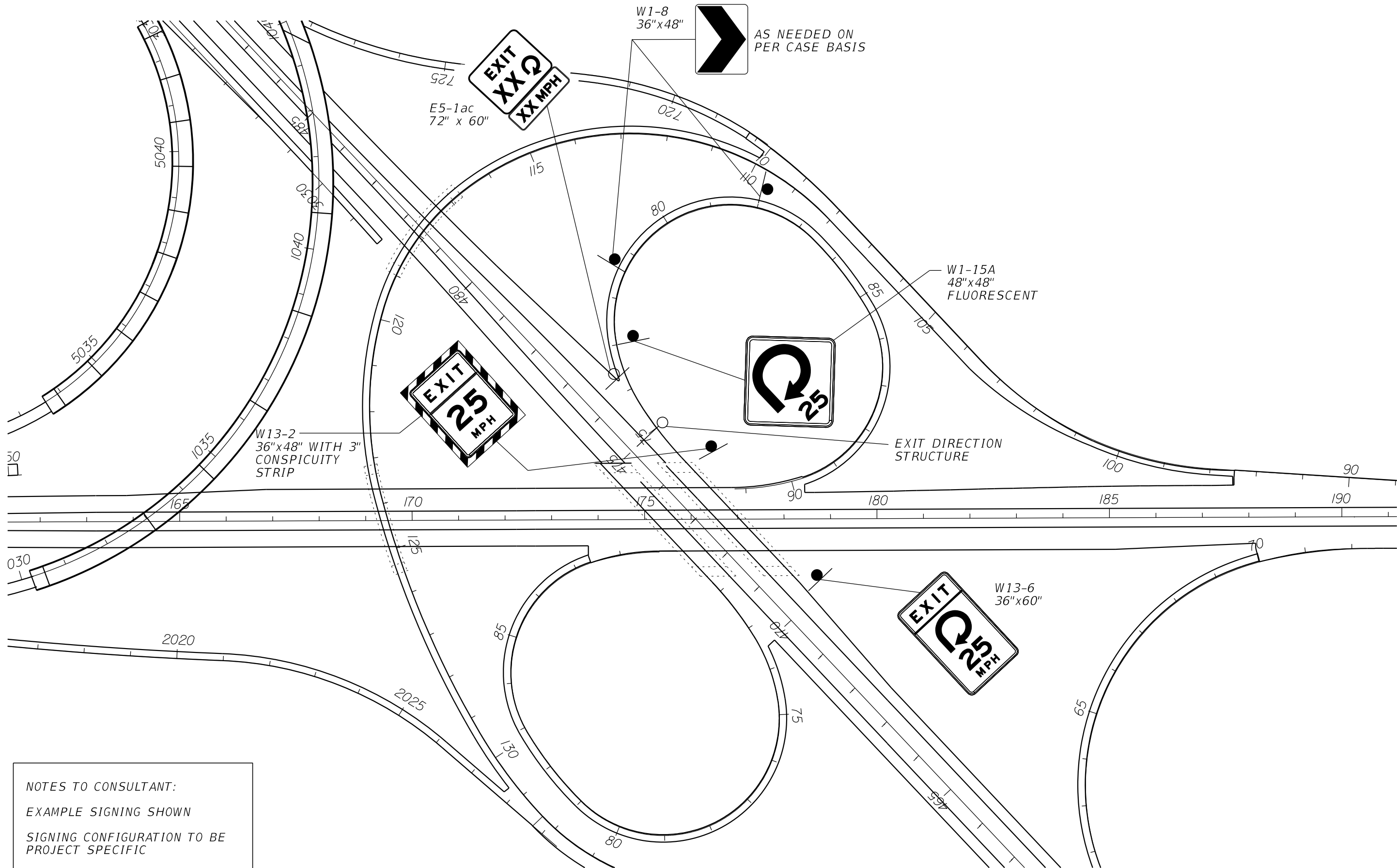
1. APPROPRIATE SPEED LIMIT(S) SHALL BE SHOWN. USE TABULAR FORMAT (ON THIS SHEET) IF MULTIPLE SPEED LIMITS NEEDED IN PROJECT.
2. DELETE BOXES WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.
3. CONSULTANT TO PROVIDE ACTUAL LAYOUT AND DIMENSIONS FOR EACH "XX" SPEED SHOWN ON THE PLANS.

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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	CURVE WARNING SIGNS SIGNS W1-11A, W1-15A		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				29	

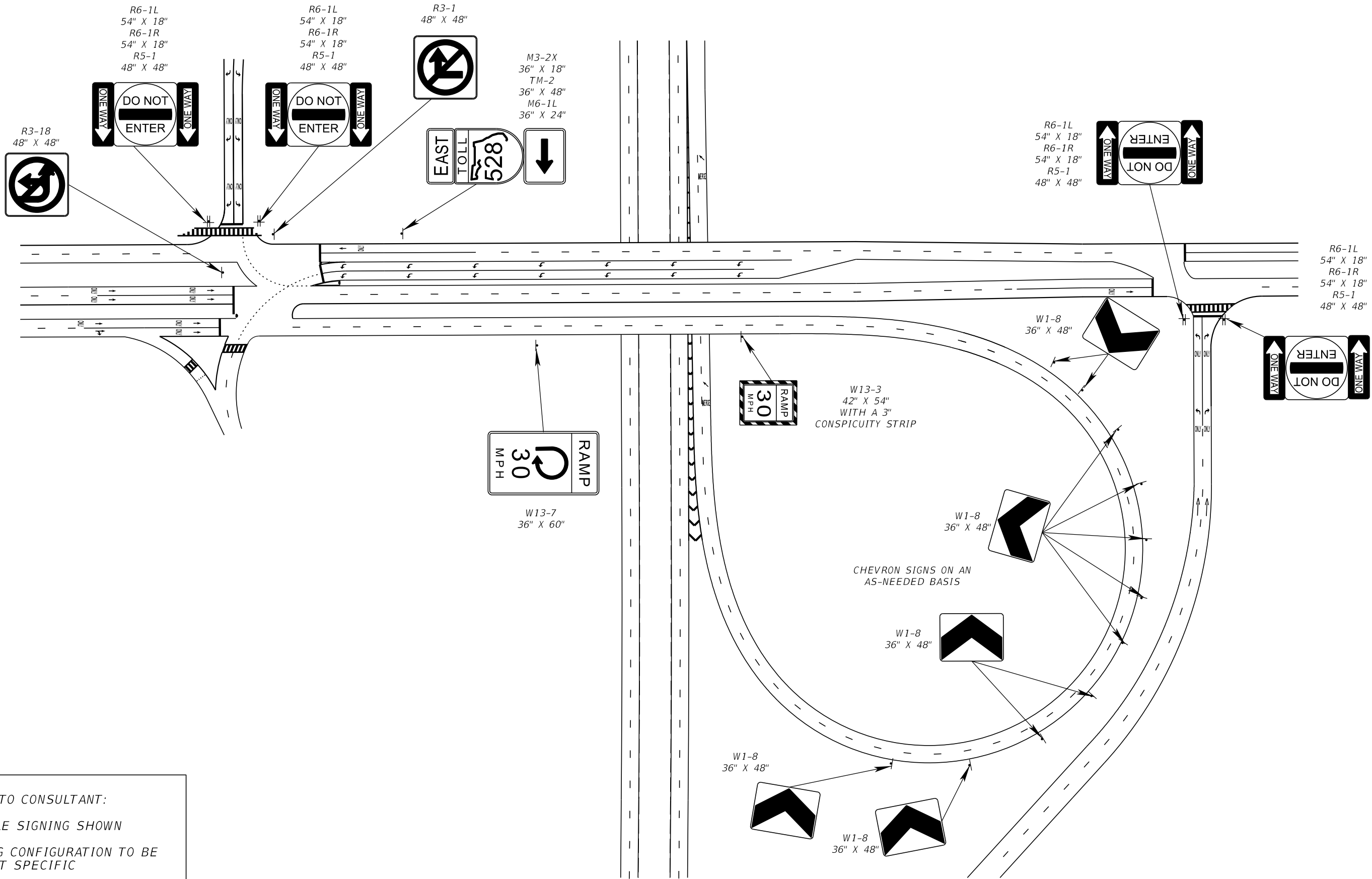
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NOTES TO CONSULTANT:
EXAMPLE SIGNING SHOWN
SIGNING CONFIGURATION TO BE
PROJECT SPECIFIC

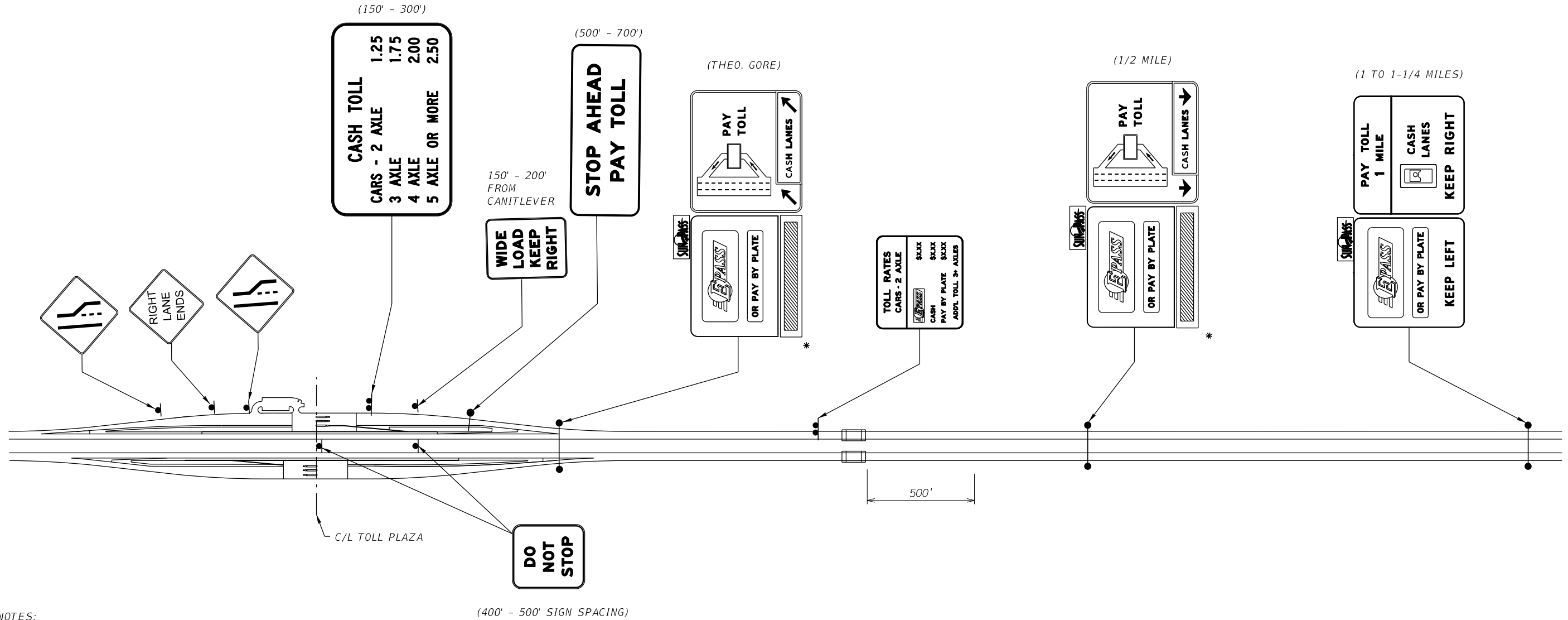
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS	<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>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

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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>	PARTIAL CLOVERLEAF RAMP TYPICAL SIGNING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.



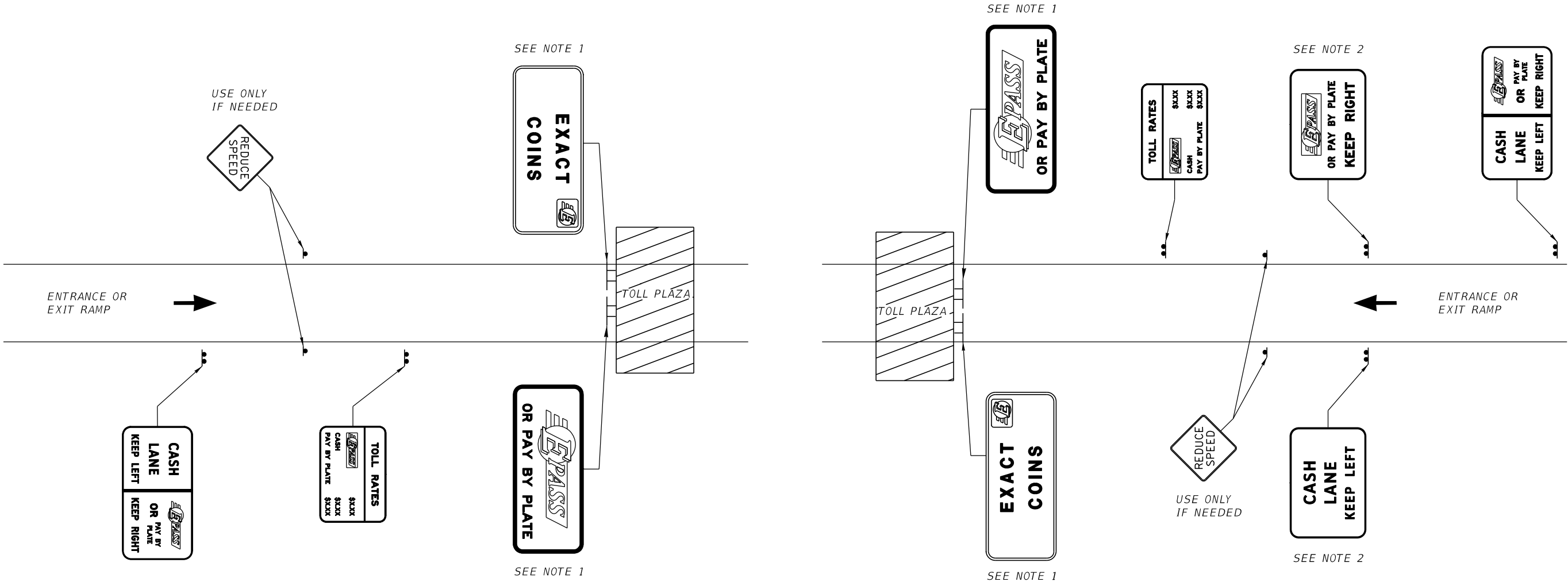
NOTES:

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		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	TYPICAL MAINLINE PLAZA SIGNING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	PROJECT NO.			
									33

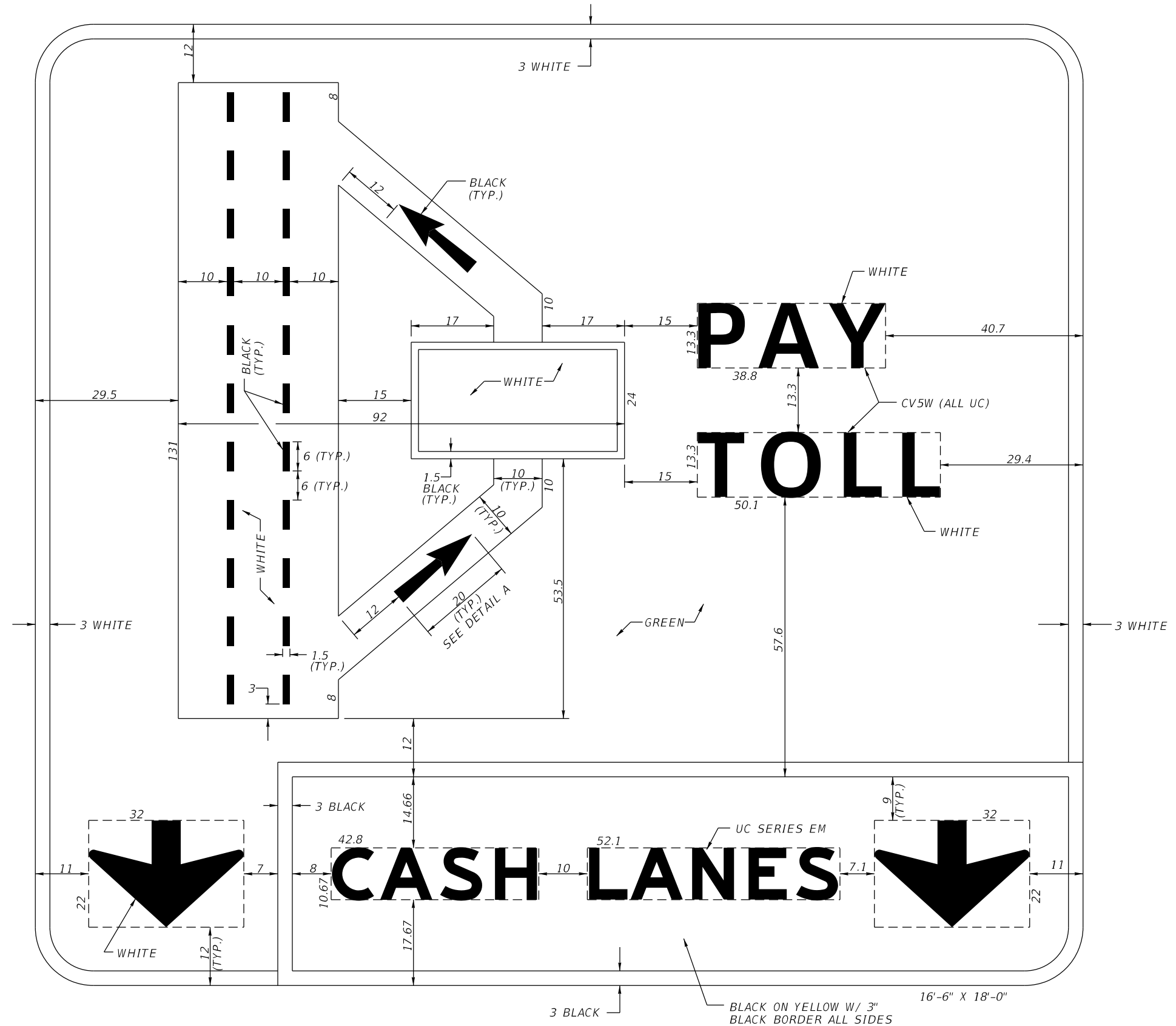
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- NOTES:
- 1. AS DIRECTED BY CFX, SIGN PANELS MAY BE: TRUSS OR CANOPY MOUNTED.
 - 2. USE ONLY WHEN DIRECTED BY CFX OR WHEN SHOWN ON THE CSP DUE TO LIMITED SIGHT DISTANCE TO THE RAMP PLAZA.
 - 3. ➡ INDICATES DIRECTION OF TRAVEL.




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								
					ROAD NO.	PROJECT NO.				34	

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.*



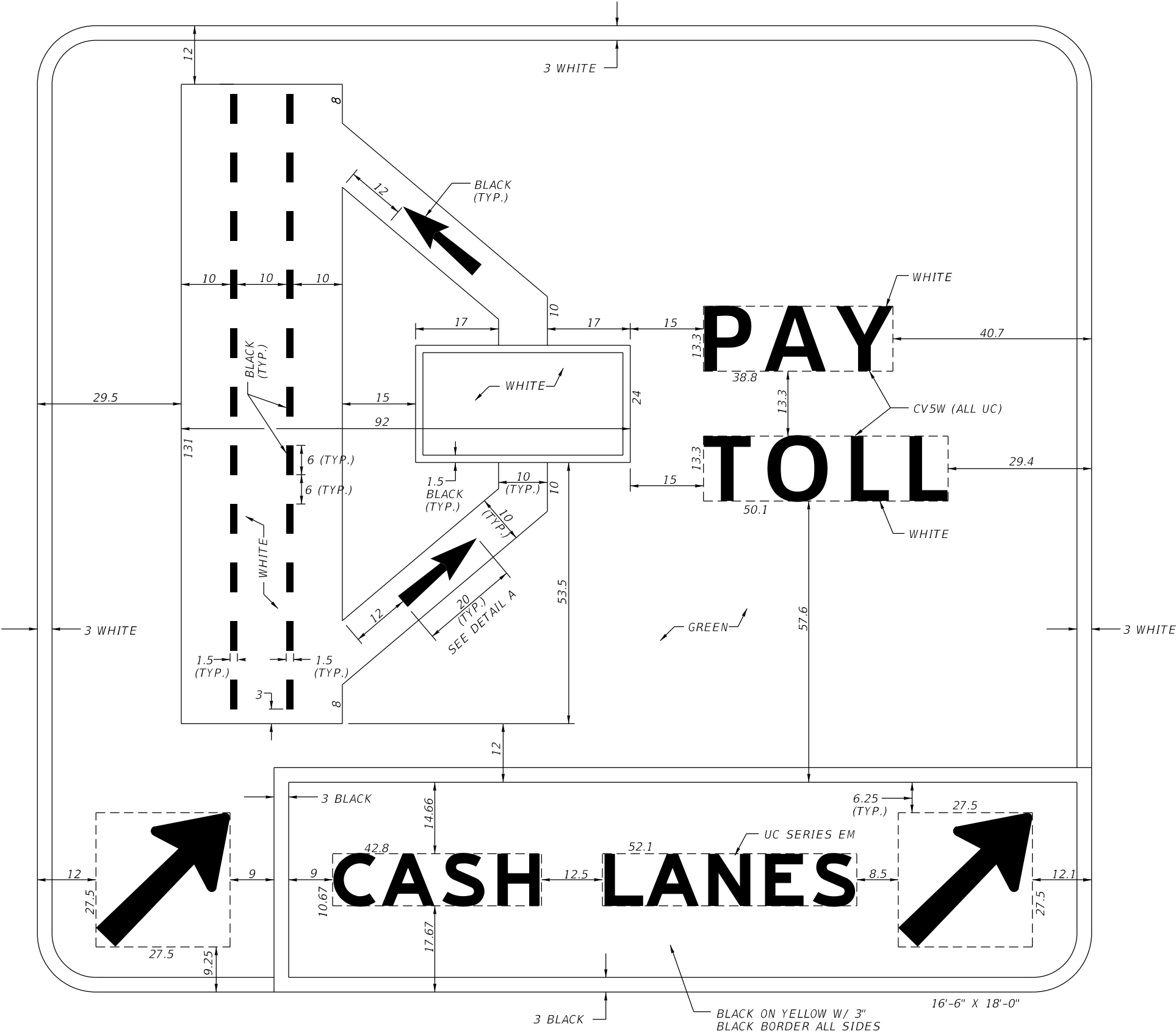
1. SPACING BETWEEN BLACK LETTERS ON YELLOW BACKGROUND HAS BEEN INCREASED 10% FOR IMPROVED LEGIBILITY.
2. CORNER RADII: 12"
3. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

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 (1)	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.

W:\50088189\Design Projects\Signing and Pavement Markings\CFX-Standards\06-09.dgn 3:53:54 PM 2/17/2021 zfincher

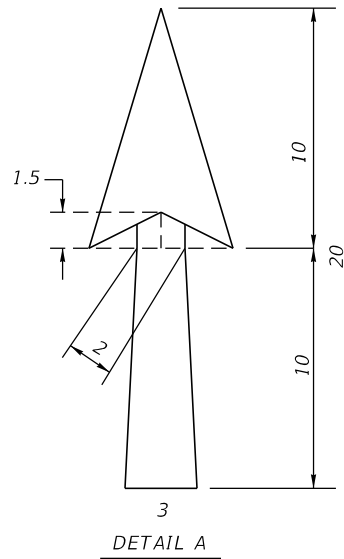
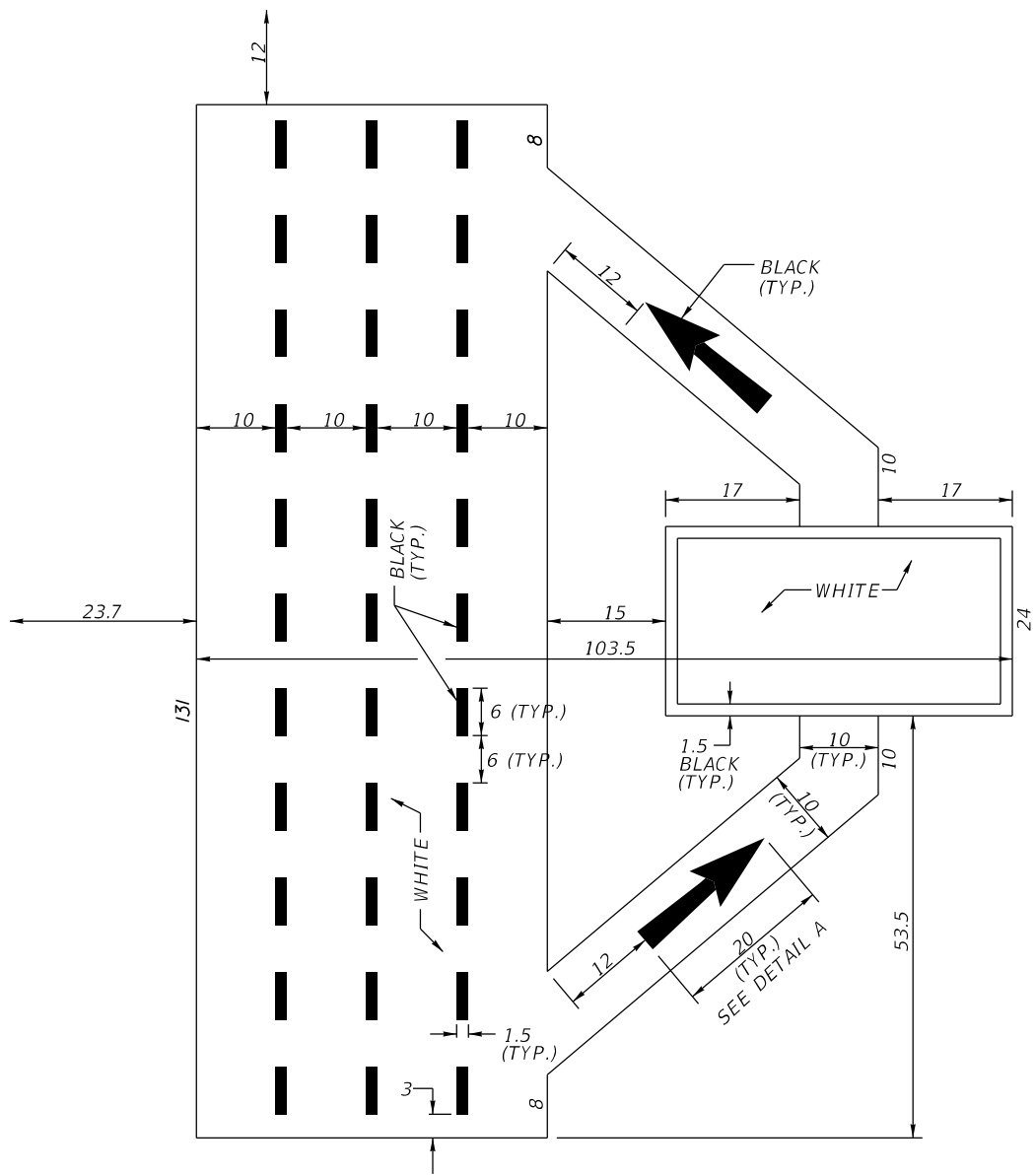
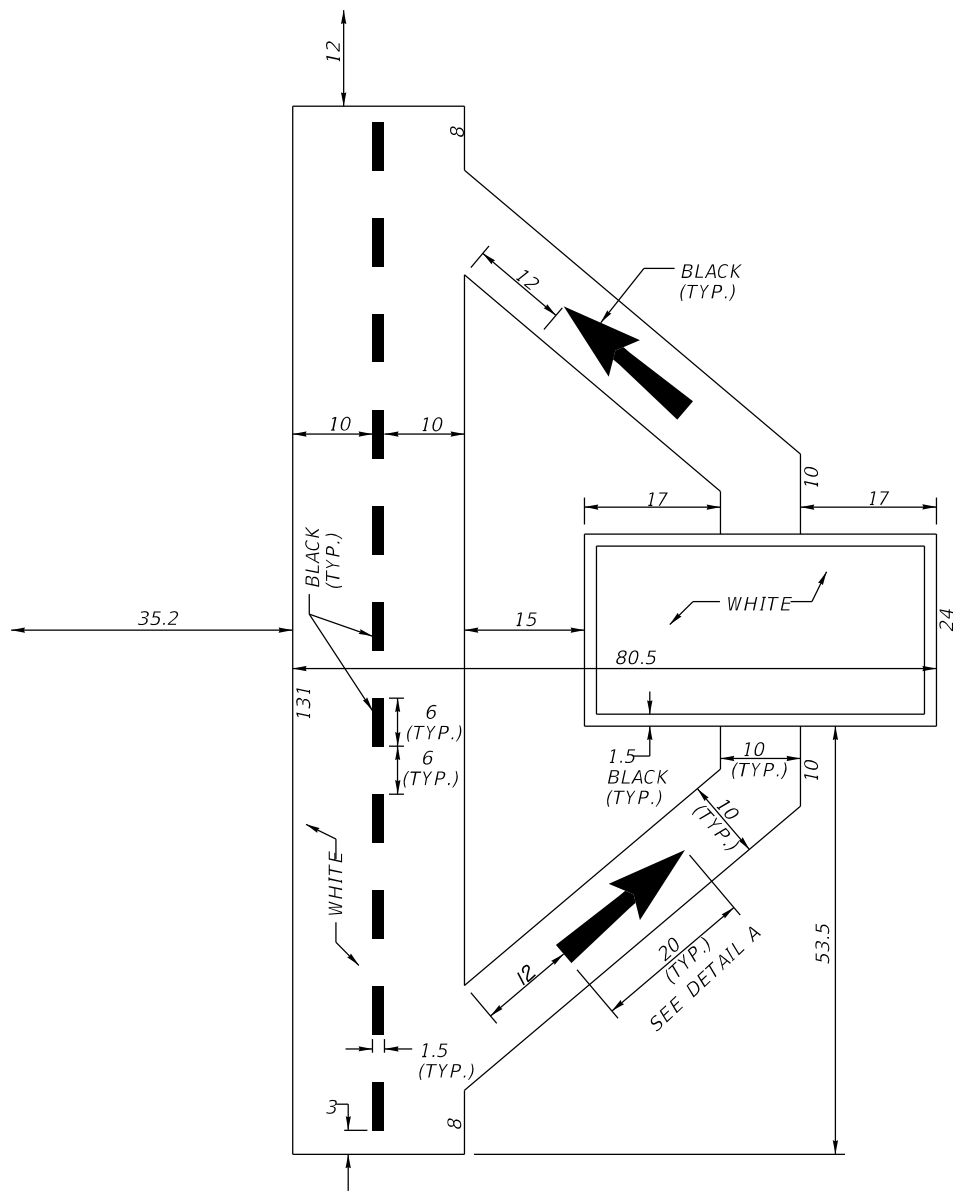
- NOTES TO CONSULTANT:
- 1. USE SPECIFIC LANE CONFIGURATION DETAIL THAT MATCHES GEOMETRIC CONDITIONS. SEE SHEET 36.
 - 2. DELETE THIS BOX WITH NOTES PRIOR TO INCLUDING SHEET IN PLANS.

- NOTES:
- 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 (2)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
										36	

W:\50088189\Design Projects\Signing and Pavement Markings\CFX-Standards\A6-10.dgn 3:53:55 PM 2/17/2021 zfincher



NOTES:
1. 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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GUIDE SIGN WORKSHEET MAINLINE PLAZA (3)		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				37	

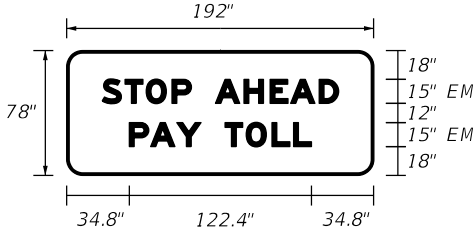
W:\50088189\Design Projects\Signing and Pavement Markings\CFX-Standards\2020_CFX-Standards\06-14.dgn 4:16:47 PM 2/17/2021 zfincher

SIGN NUMBER	204
QUANTITY	
WIDTH	16'-0" (192")
HEIGHT	6'-6" (78")
BORDER WIDTH	2"
BORDER RADII	10"
BORDER INSET	N/A
BACKGROUND COLOR	Yellow
LEGEND & BORDER COLOR	Black
SHEETING	D63

NOTES:

LETTER SPACING HAS BEEN INCREASED BY 10%.

MOUNTING: OVERHEAD CANTILEVER (OC-X)



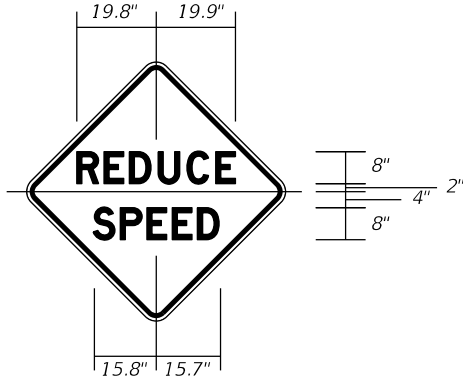
COPY		S	T	O	P		A	H	E	A	D									L
SPACE	17.4	56.7				22.5	78.1					17.3								157.3
COPY		P	A	Y		T	O	L	L											L
SPACE	34.8	45.1				22.5	54.8				34.8									122.4
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

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	D63

NOTES:

LETTER SPACING HAS BEEN INCREASED BY 10%.

MOUNTING: GROUND MOUNT (GM-X)



COPY	R	E	D	U	C	E														L
SPACE	39.7																			39.7
COPY	S	P	E	E	D															L
SPACE	31.5																			31.5
COPY																				
SPACE																				
COPY																				
SPACE																				

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

USE: TOLL PLAZA APPROACH SIGNING

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

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

NOTES:

INTENTIONALLY LEFT BLANK

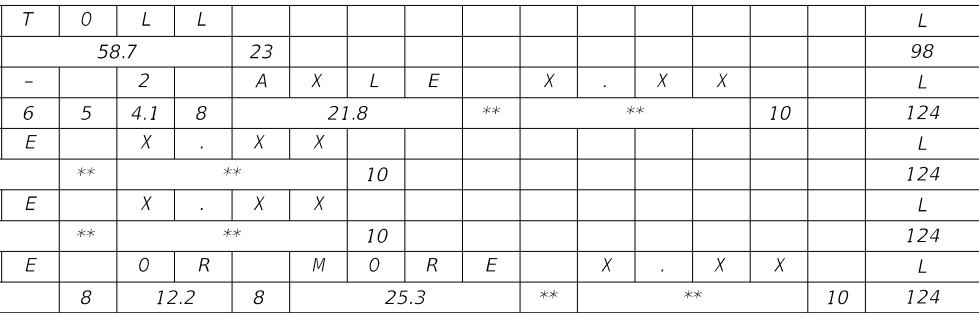
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GUIDE SIGN WORKSHEET SIGNS 204, 205		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				39

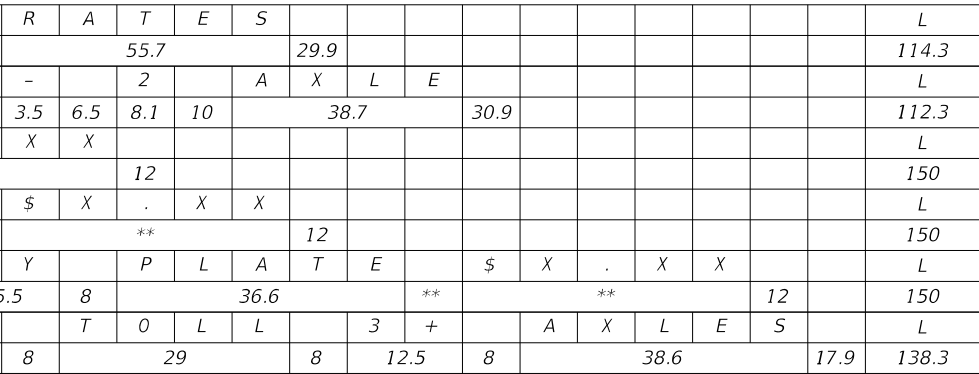
NOTES:

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



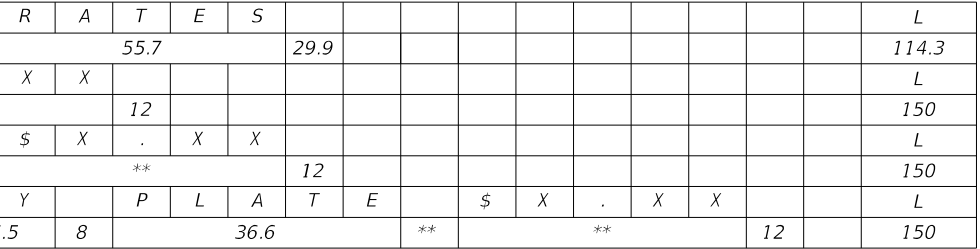
NOTES:

EPASS LOGO EP-10R
SEE EPASS LOGOS SHEETS

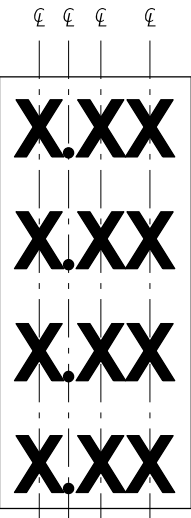


NOTES:

EPASS LOGO EP-10R
SEE EPASS LOGOS SHEETS



TOLL RATE DETAIL



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

**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

SHEET
NO.

40

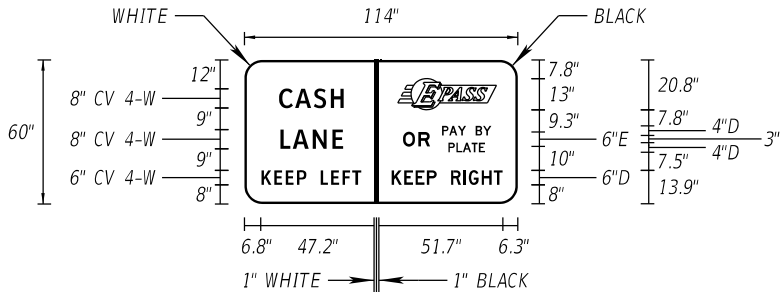
W:\50088189\Design Projects\Signing and Pavement Markings\CFX-Standards\2020_CFX-Standards\46-13.dgn 3:53:57 PM 2/17/2021 zfincher

SIGN NUMBER	209
QUANTITY	
WIDTH	9'-6" (114")
HEIGHT	5'-0" (60")
BORDER WIDTH	1"
BORDER RADII	7.5"
BORDER INSET	N/A
BACKGROUND COLOR	Blue/White
LEGEND & BORDER COLOR	White/Black
SHEETING	DG3

NOTES:

EPASS LOGO EP-6.5R
SEE EPASS LOGOS SHEETS

MOUNTING: GROUND MOUNT (GM-X)

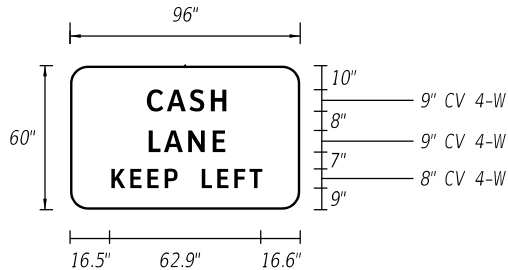


COPY		C	A	S	H															L
SPACE	14			27		13	2	8	41	9										91
COPY		L	A	N	E				0	R		P	A	Y		B	Y			L
SPACE	14.5			26.1		13.4	2	10.1	11.3	5		10			4	6.5	11.1			88.4
COPY									P	L	A	T	E							L
SPACE				54			2	29.1		15.2					13.7					46.3
COPY		K	E	E	P		L	E	F	T										L
SPACE	6.8			18.6		6			16.9		5.7	2	58							56
COPY									K	E	E	P		R	I	G	H	T		L
SPACE				54			2	5.4		18.8		6			21.5		6.3			53.7

SIGN NUMBER	210
QUANTITY	
WIDTH	8'-0" (96")
HEIGHT	5'-0" (60")
BORDER WIDTH	2"
BORDER RADII	7.5"
BORDER INSET	N/A
BACKGROUND COLOR	Blue
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

MOUNTING: GROUND MOUNT (GM-X)



COPY		C	A	S	H															L
SPACE	31.4			33.2		31.4														33.2
COPY		L	A	N	E															L
SPACE	32			32		32														32
COPY		K	E	E	P		L	E	F	T										L
SPACE	16.5			27.6		10			25.3		16.6									62.9
COPY																				
SPACE																				

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

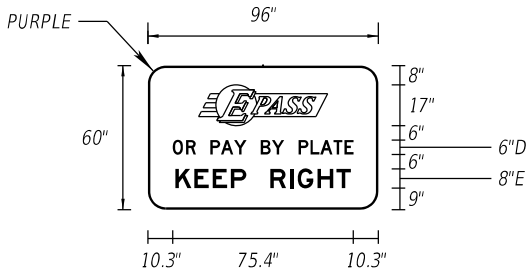
USE: RAMP TOLL PLAZA APPROACH MULTI-POST SIGNING

SIGN NUMBER	211
QUANTITY	
WIDTH	8'-0" (96")
HEIGHT	5'-0" (60")
BORDER WIDTH	2"
BORDER RADII	7.5"
BORDER INSET	N/A
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black/Purple
SHEETING	DG3

NOTES:

EPASS LOGO EP-8.5R
SEE EPASS LOGOS SHEETS

MOUNTING: GROUND MOUNT (GM-X)



COPY																				L
SPACE	21.3	53.3	21.4																	53.3
COPY		0	R		P	A	Y		B	Y		P	L	A	T	E				L
SPACE	10.3		9.7	6		15.1		6		9.7	6			22.9			10.3			75.4
COPY		K	E	E	P		R	I	G	H	T									L
SPACE	11.4			29.6		10			33.5			11.5								73.1
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	ROAD NO.	PROJECT NO.	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GUIDE SIGN WORKSHEET SIGNS 209 - 211		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION								
											41

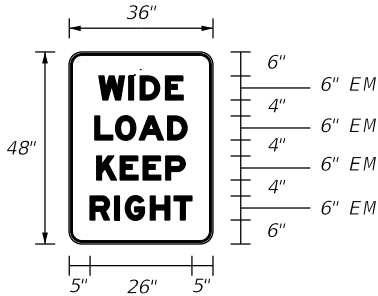
W:\50088189\Design Projects\Signing and Pavement Markings\2020 CFX Standards\46-15.dgn 3:53:58 PM 2/17/2021 zfincher

SIGN NUMBER	212
QUANTITY	
WIDTH	3'-0" (36")
HEIGHT	4'-0" (48")
BORDER WIDTH	0.75"
BORDER RADII	3"
BORDER INSET	0.25"
BACKGROUND COLOR	Yellow
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

LETTER SPACING HAS BEEN INCREASED BY 10%.

MOUNTING: GROUND MOUNT (GM-X)



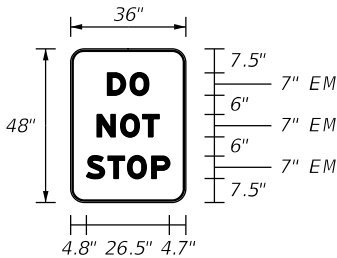
COPY		W	I	D	E															L
SPACE	7.2			21.5		7.3														21.5
COPY		L	O	A	D															L
SPACE	6.4			23.3		6.3														23.3
COPY		K	E	E	P															L
SPACE	6.8			22.5		6.7														22.5
COPY		R	I	G	H	T														L
SPACE	5			26		5														26
COPY																				
SPACE																				

SIGN NUMBER	213
QUANTITY	
WIDTH	3'-0" (36")
HEIGHT	4'-0" (48")
BORDER WIDTH	0.75"
BORDER RADII	4"
BORDER INSET	0.25"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

LETTER SPACING HAS BEEN INCREASED BY 10%.

MOUNTING: GROUND MOUNT (GM-X)



COPY		D	O																	L
SPACE	11.5			13.1		11.4														13.1
COPY		N	O	T																L
SPACE	8.2			19.7		8.1														19.7
COPY		S	T	O	P															L
SPACE	4.8			26.5		4.7														26.5
COPY																				
SPACE																				

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

USE: TOLL PLAZA APPROACH SINGLE POST SIGNING

EXAMPLES:
WIDE LOAD KEEP RIGHT SIGN
DO NOT STOP SIGNS

INSTRUCTIONS TO DESIGNERS:

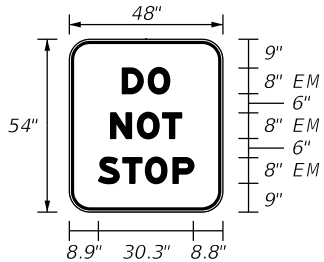
DO NOT STOP SIGNS:
48" x 54" WHEN GROUND MOUNTED.
36" x 48" WHEN MOUNTED TO THE TOP OF A MEDIAN BARRIER WALL.

SIGN NUMBER	214
QUANTITY	
WIDTH	4'-0" (48")
HEIGHT	4'-6" (54")
BORDER WIDTH	1"
BORDER RADII	6"
BORDER INSET	0.5"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

LETTER SPACING HAS BEEN INCREASED BY 10%.

MOUNTING: GROUND MOUNT (GM-X)

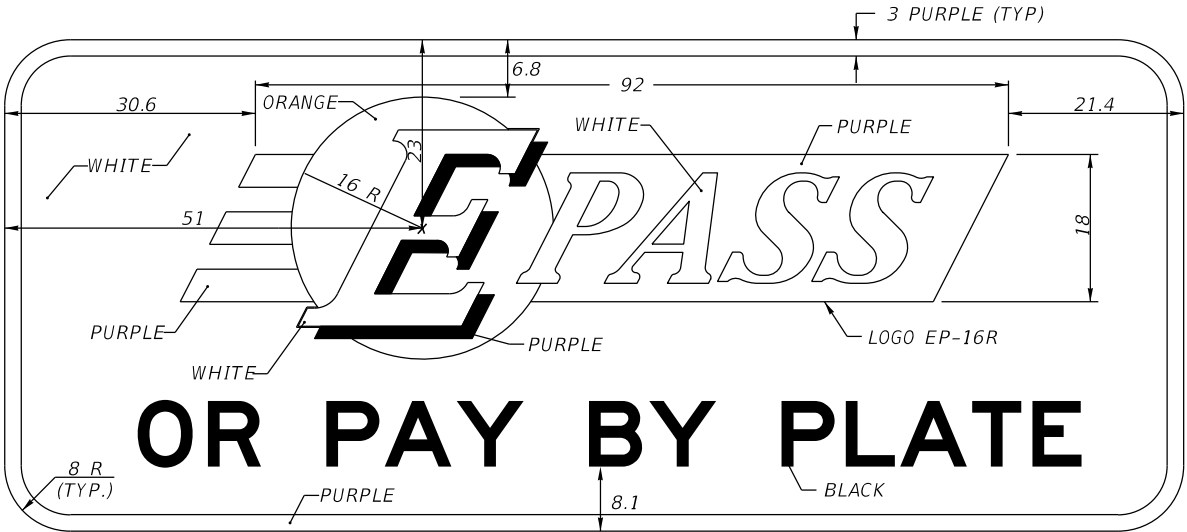


COPY		D	O																	L
SPACE	16.5			15		16.5														15
COPY		N	O	T																L
SPACE	12.8			22.5		12.7														22.5
COPY		S	T	O	P															L
SPACE	8.9			30.3		8.8														30.3
COPY																				
SPACE																				

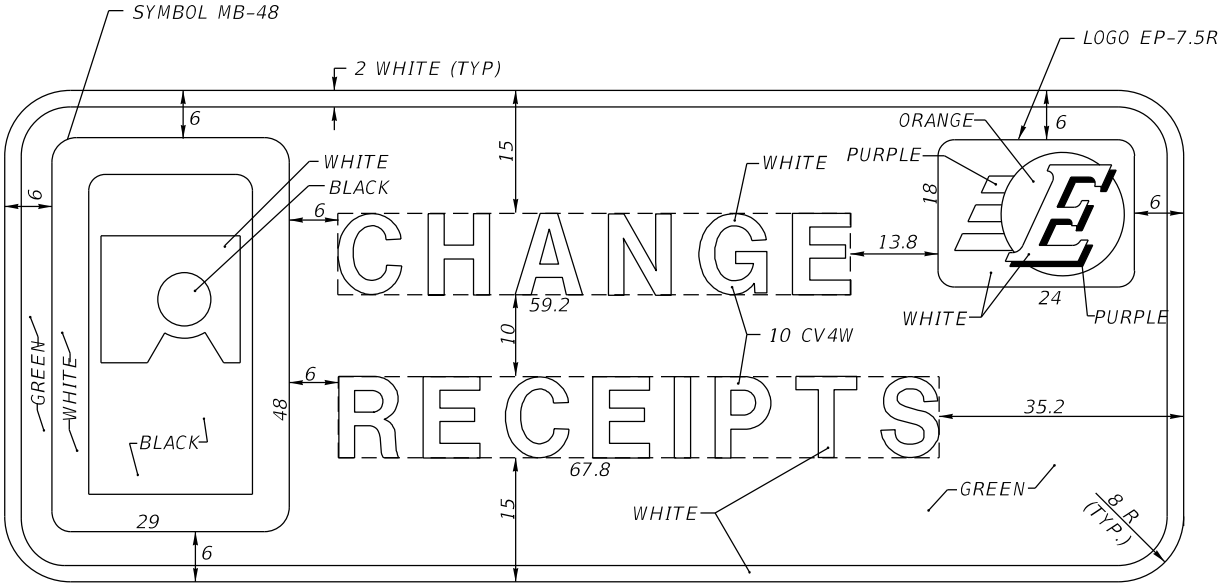
NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GUIDE SIGN WORKSHEET SIGNS 212 - 214		SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				

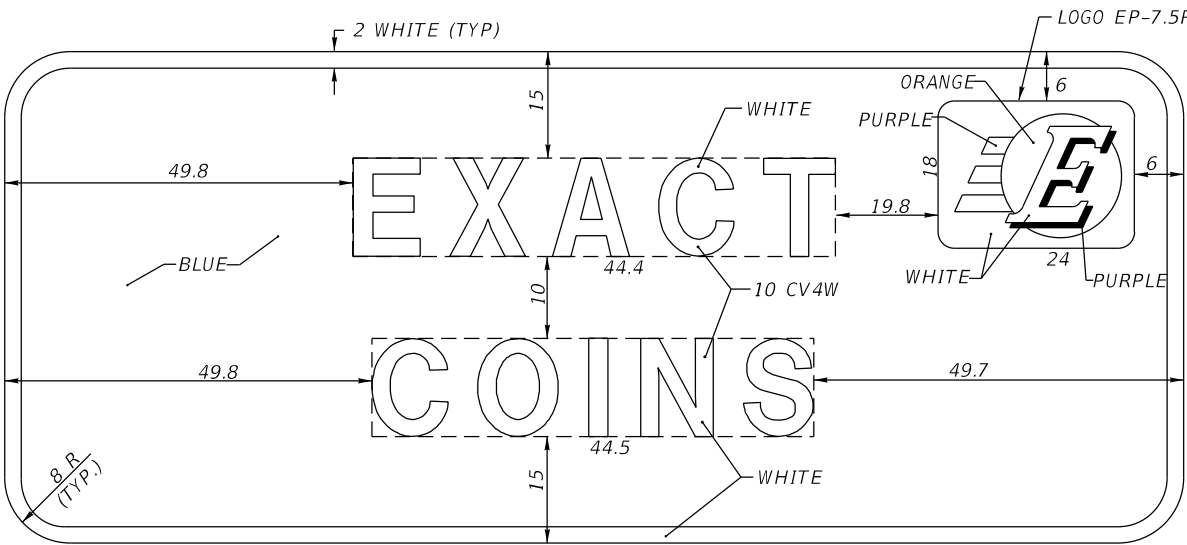
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SIDE ONE DETAIL

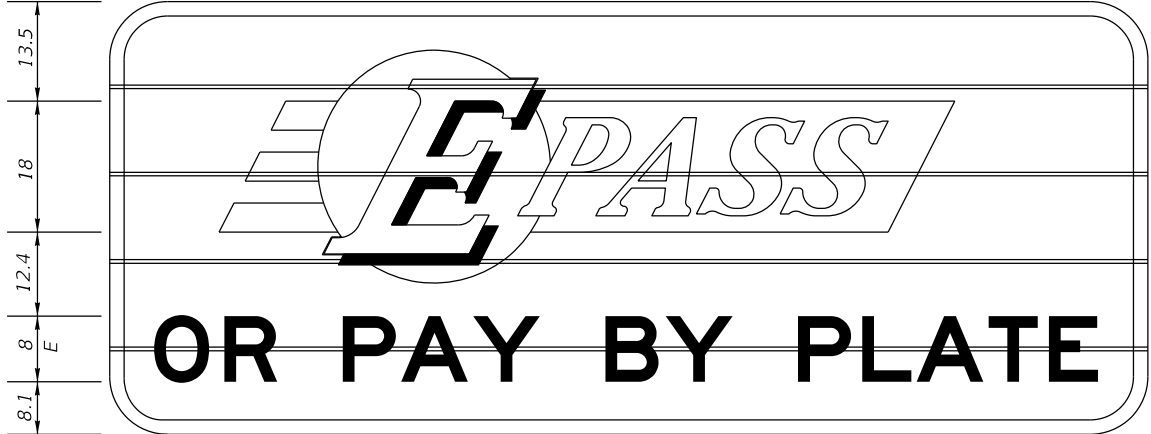


SIDE TWO DETAIL

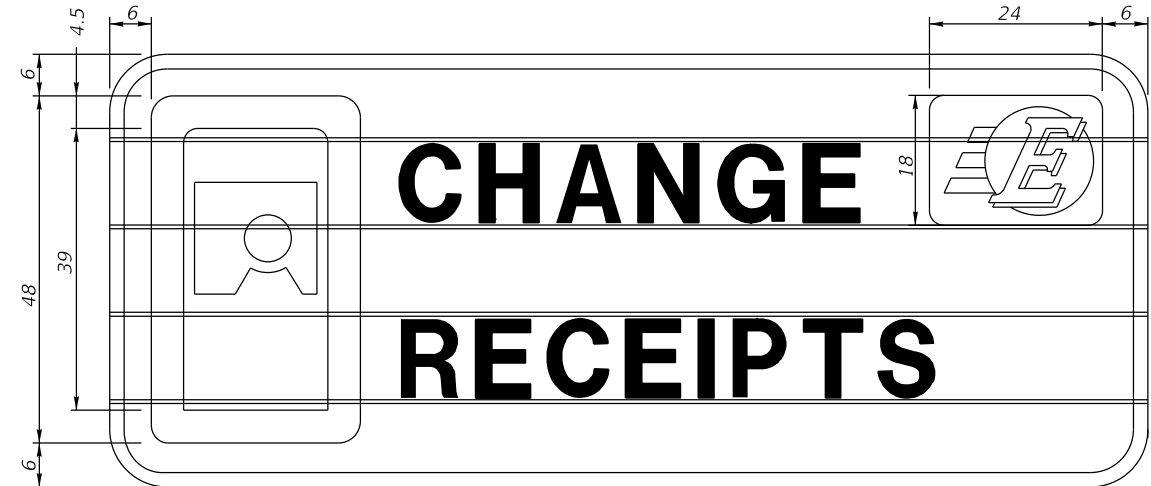


SIDE THREE DETAIL

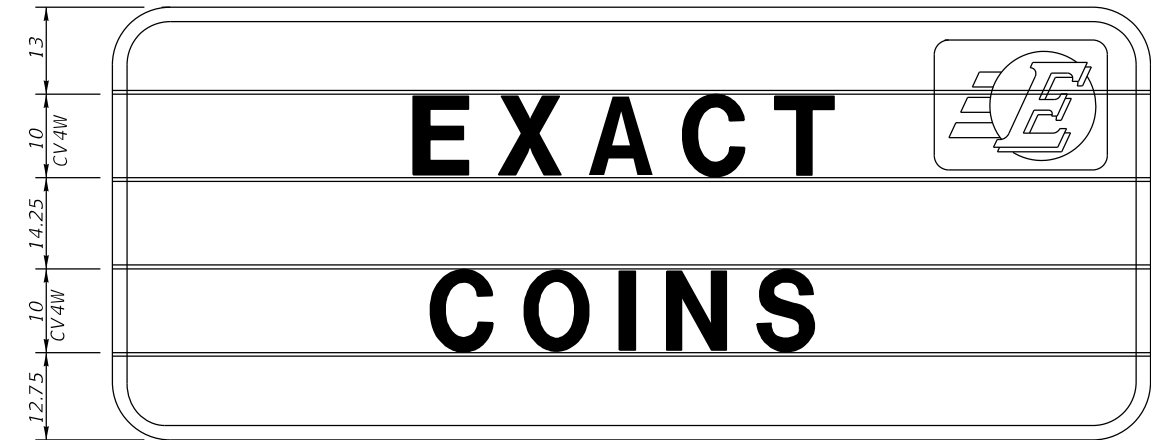
12'-0" X 5'-0" (TYP)



SIGN 301
SIDE ONE MESSAGE



SIGN 301
SIDE TWO MESSAGE



SIGN 301
SIDE THREE MESSAGE

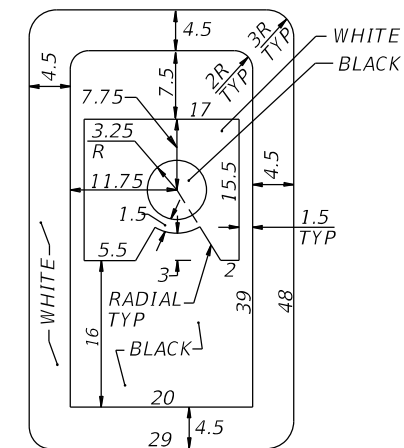
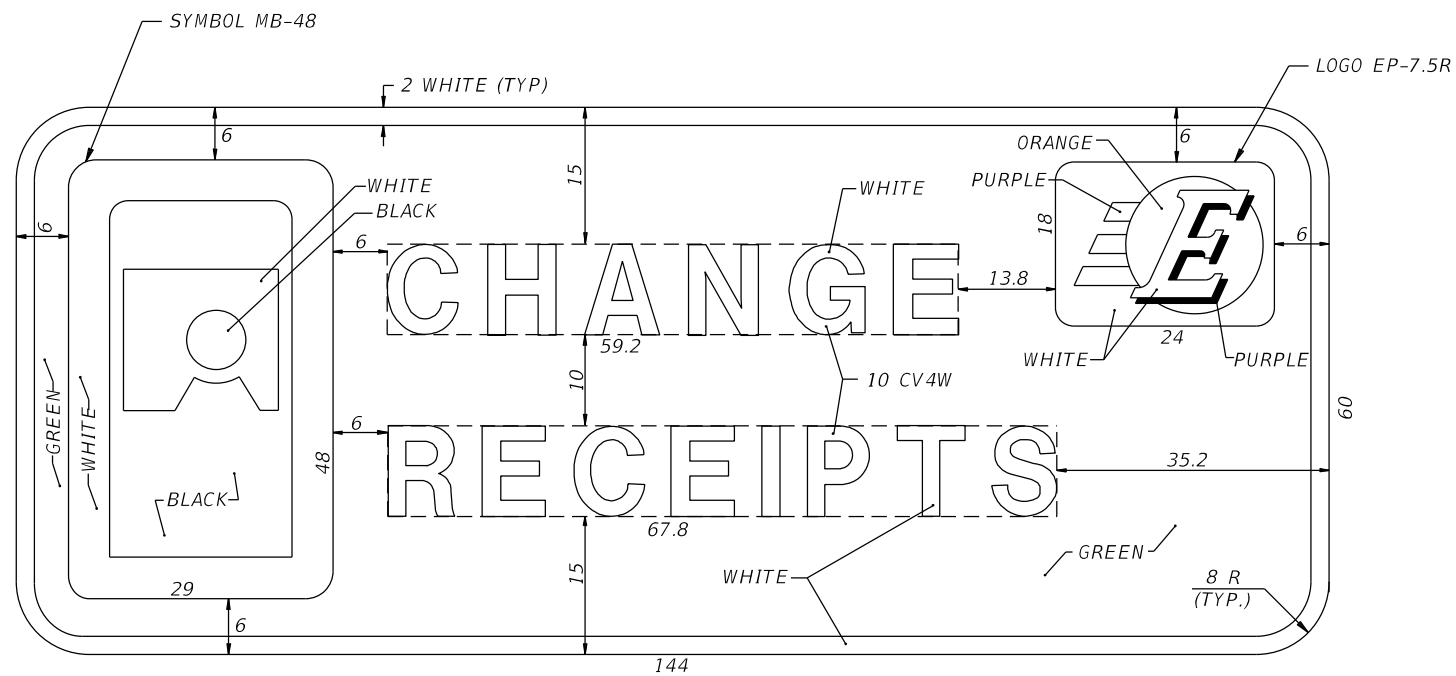
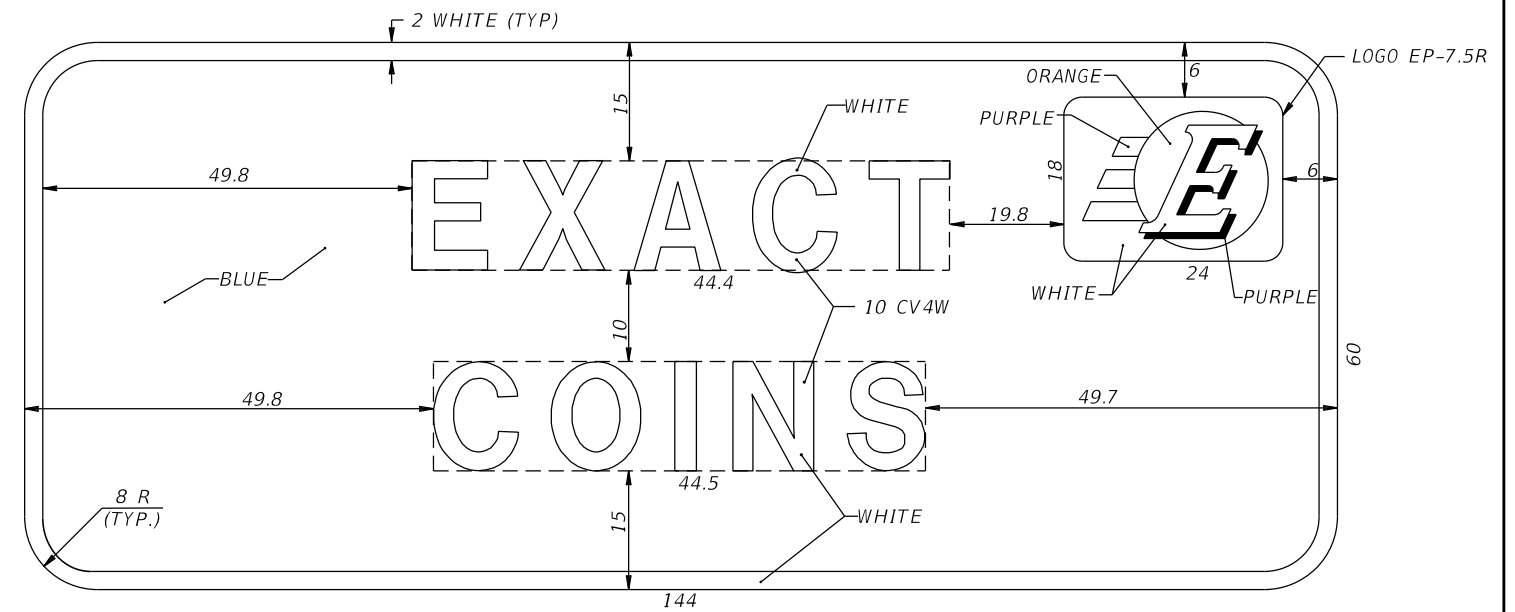
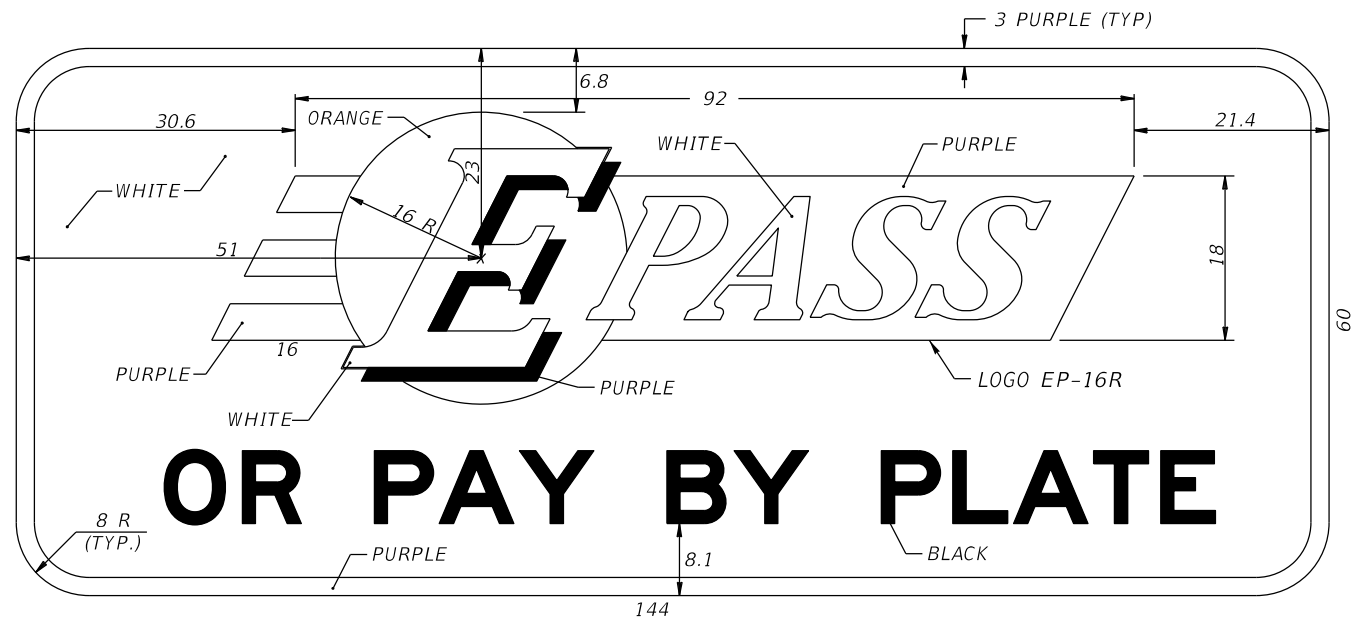
NOTES TO CONSULTANT:

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 AND LOGO EP-16R.

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.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.				43	



Technical drawing of the "RELOAD SERVICE LANE" sign and its mounting plate.

Sign Dimensions:

- Overall Width: 144"
- Overall Height: 60"
- Top Section Height: 11.9"
- Section Height: 6"
- Section Height: 6"
- Section Height: 8.6"
- Section Height: 8" CV 4-W
- Section Height: 7.5"

Sign Content:

- RELOAD
- SERVICE LANE

Mounting Plate Dimensions:

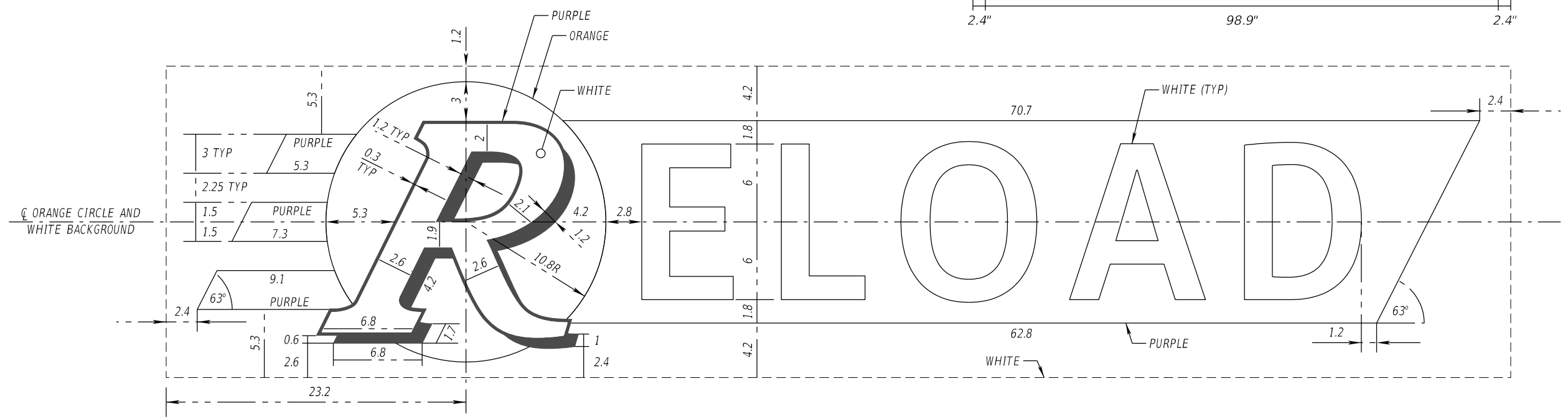
- Overall Width: 144"
- Overall Height: 11-9/16"
- Section Height: 1"
- Section Height: 16"
- Section Height: 1/4"

Mounting Plate Details:

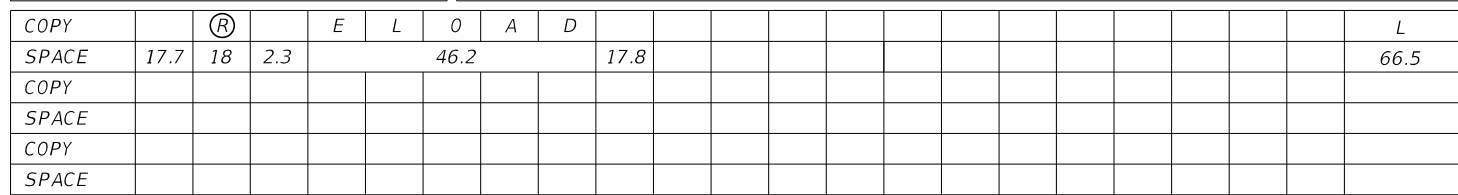
- DRILL HOLES FOR 3/16" RIVETS (12" C-C MAX)

FABRICATOR TO BE GIVEN A COMPUTER DISK OF ARTWORK AS NEEDED UPON REQUEST. FABRICATOR MUST SPECIFY FILE FORMAT REQUIRED HOWEVER, SOME FORMATS MAY NOT BE AVAILABLE.

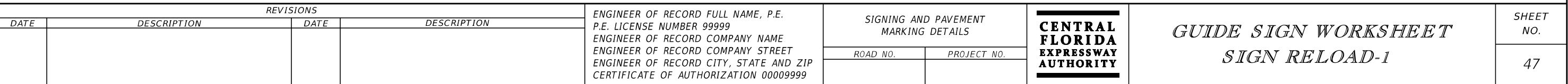
NOTE: WIDTH - HORIZONTAL SPACING IS IN INCHES. END DIMENSIONS INCLUDE BORDER WIDTH AND MARGIN



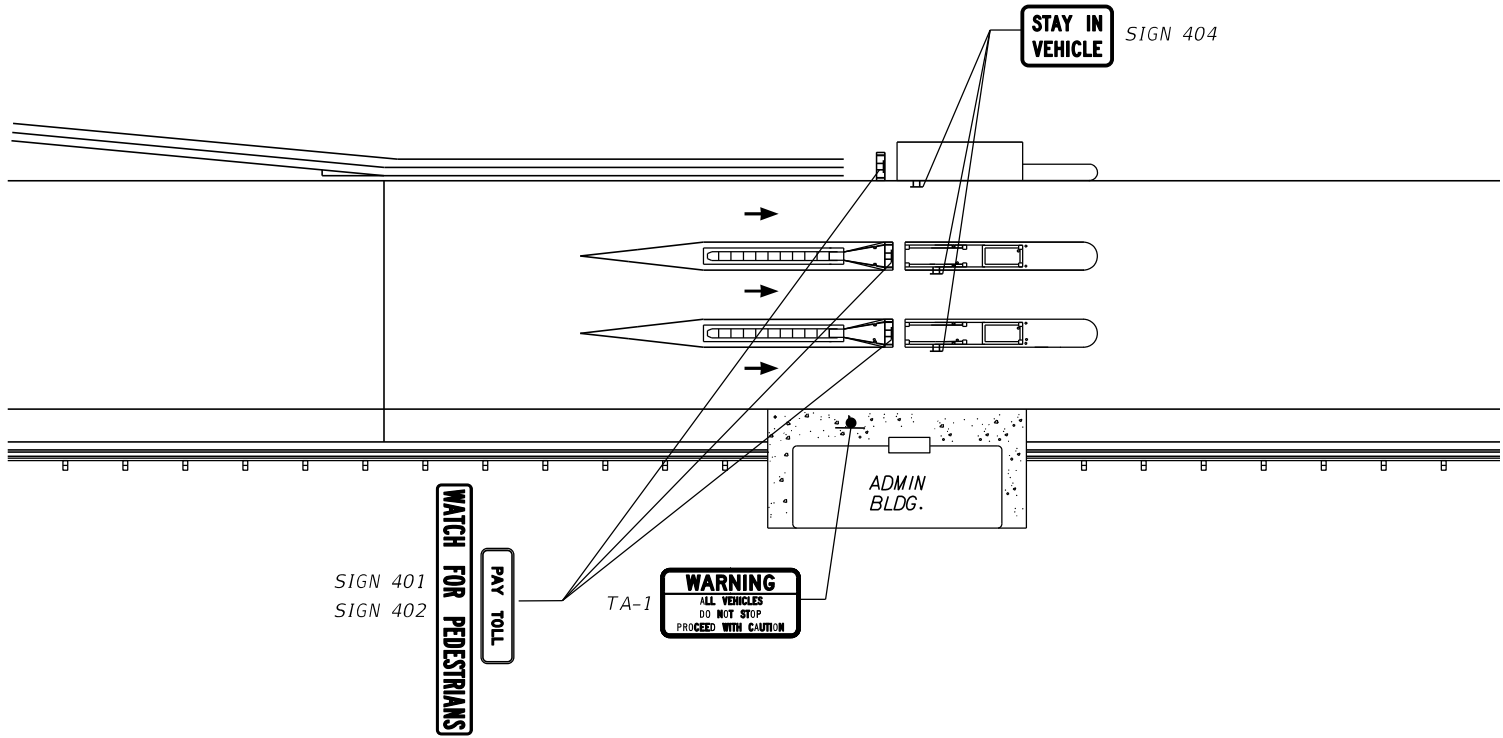
NOTES:



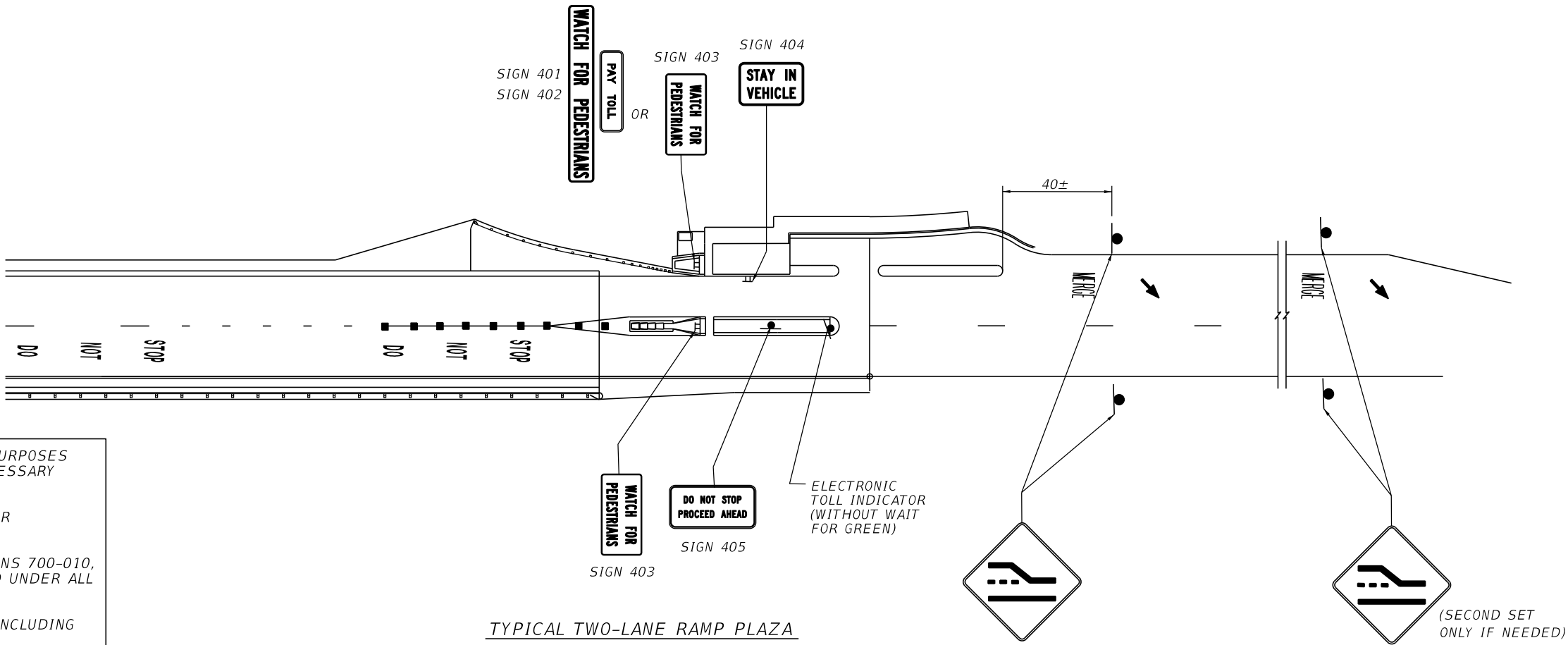
RELOAD LOGO IS TO BE MOUNTED TO THE TOP OF EXISTING OVERHEAD GUIDE SIGNS IN A SIMILAR FASHION AS EXIT NUMBER PLAQUES. SEE INDEX 700-110.



W:\50088189\Design Projects\Signing and Pavement Markings\CFX-Standards\46-03.dgn 3:54:01 PM 2/17/2021 zfincher



TYPICAL MAINLINE PLAZA
N.T.S.



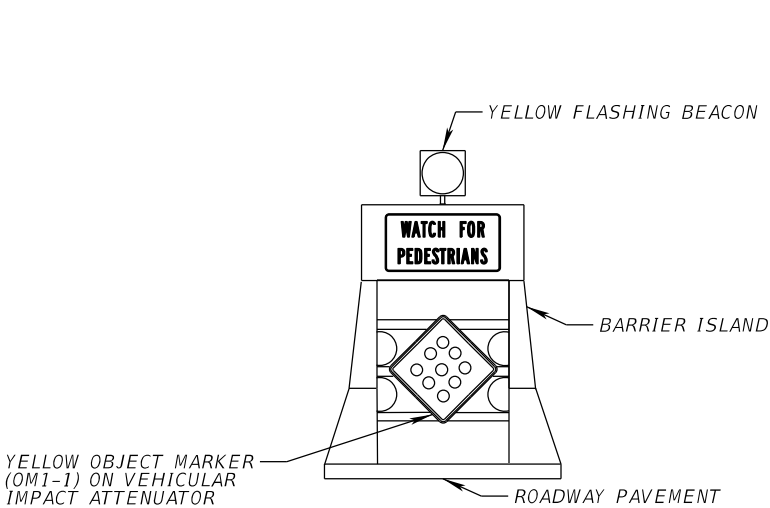
TYPICAL TWO-LANE RAMP PLAZA
WITH AET LANE
N.T.S.

NOTES TO CONSULTANT:

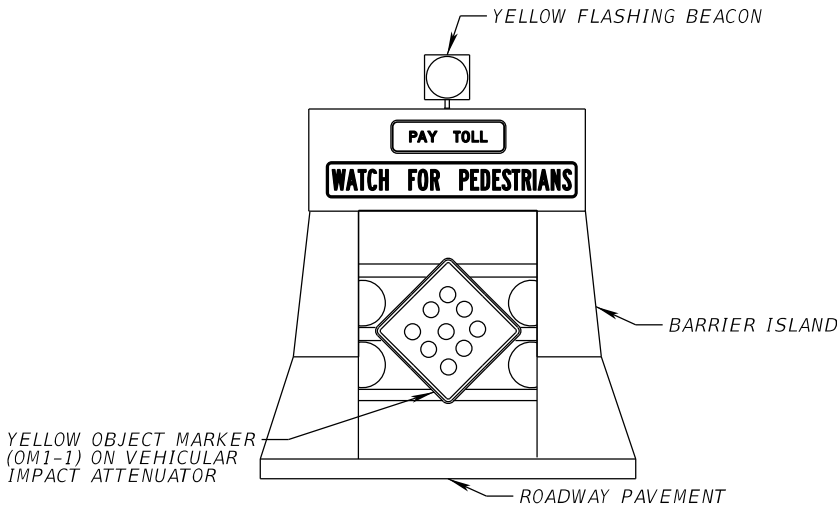
1. PLAZAS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. CONSULTANT SHALL REVISE AS NECESSARY FOR SPECIFIC PROJECT.
2. 3M COMPANY VHB TAPE SHALL BE USED FOR INSTALLATION ON BOOTHS OR ACMs.
3. IN ACCORDANCE WITH FDOT STANDARD PLANS 700-010, THE USE OF NYLON WASHERS IS REQUIRED UNDER ALL BOLT HEADS.
3. DELETE 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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	INTERIOR PLAZA SIGNING MAINLINE AND RAMP		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				48

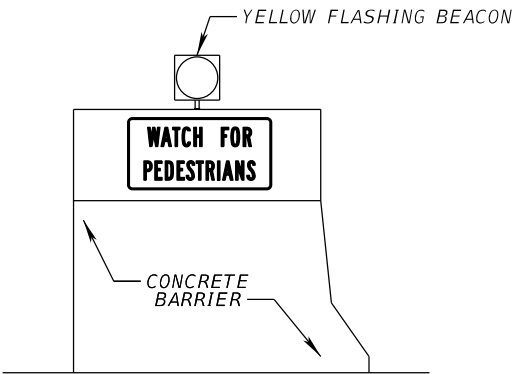
W:\50088189\Design Projects\Signing and Pavement Markings_CFX-Standards\2020_CFX-Standards\06-04.dgn 3:54:02 PM 2/17/2021 zfincher



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.



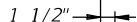
SIGNING FOR 4'-7" (+/-)
RAMP ISLAND GATORHEAD
N.T.S.

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		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	INTERIOR PLAZA SIGNING MAINLINE AND RAMP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	PROJECT NO.			49

SECTION A-A



$\frac{7}{8}" \bigcirc$ HOLE
 FOR $\frac{3}{4}" \bigcirc$
 ANCHORS

 1 1/2"

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

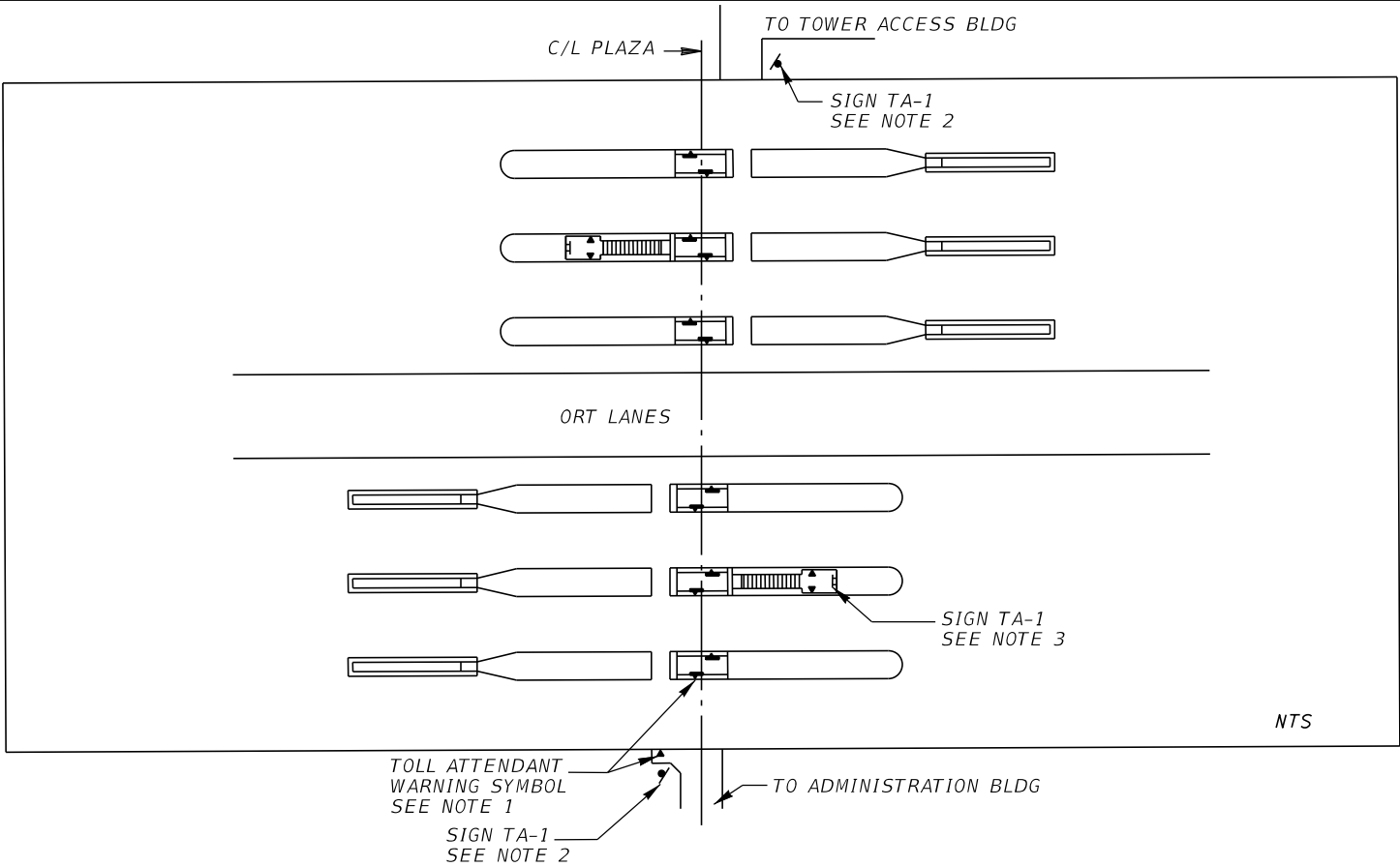
3. IN ACCORDANCE WITH FDOT STANDARD PLANS 700-010, THE USE OF NYLON WASHERS IS REQUIRED UNDER ALL BOLT HEADS.

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.
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.



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>	INTERIOR PLAZA SIGNING MAINLINE AND RAMP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					

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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.			

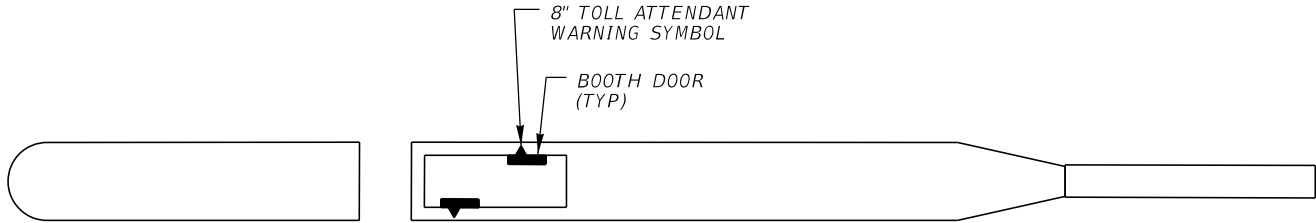
GENERAL NOTES:

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:

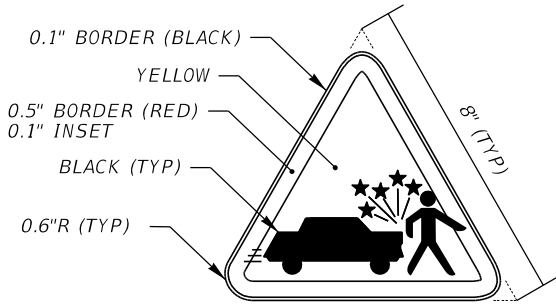
1. SIGN TA-1 AND TOLL ATTENDANT WARNING SYMBOLS ARE TO BE INCLUDED IN THE TOLL PLAZA PLANS UNLESS CFX DIRECTS OTHERWISE. PAYMENT IS TO BE INCLUDED IN THE LUMP SUM FOR THE TOLL PLAZA.
2. QUANTITIES TABLE MAY BE INCLUDED FOR BID PURPOSES ONLY.
3. PROVIDE PROJECT SPECIFIC CROSS REFERENCES IN DETAILS BELOW.
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



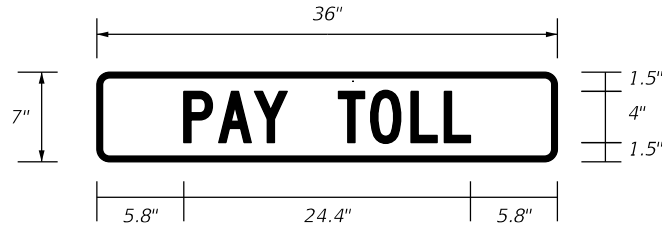
FOR INFORMATION ONLY -- SHOP DRAWINGS ARE REQUIRED

TYPICAL TOLL ATTENDANT WARNING SYMBOL

SEE GENERAL NOTE 1
NTS

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	D63

NOTES:



FOR USE ON MAINLINE TOLL PLAZA ISLANDS

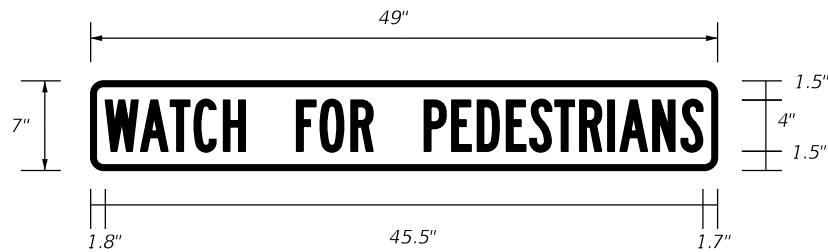
[illegible]

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:

FABRICATOR TO REDUCE INTERLETTER
SPACING AS NEEDED TO FIT.

MOUNTING: GROUND MOUNT (GM-X)

[illegible]

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

USE: MAINLINE AND RAMP - INTERIOR TOLL PLAZA SIGNING

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)

[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>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	GUIDE SIGN WORKSHEET SIGNS 401 - 403	SHEET NO.		
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.	52

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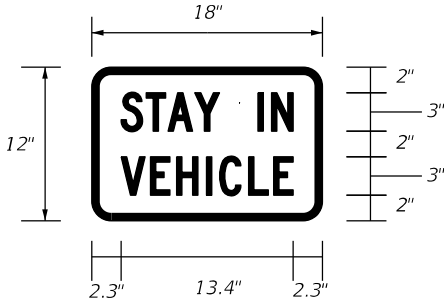
SIGN NUMBER	404
QUANTITY	
WIDTH	1'-6" (18")
HEIGHT	1'-0" (12")
BORDER WIDTH	0.625"
BORDER RADII	1.5"
BORDER INSET	0.375"
BACKGROUND COLOR	Red
LEGEND & BORDER COLOR	White
SHEETING	DG3

NOTES:

SIGNS SHALL BE FABRICATED USING 0.08 ALUMINUM. PLASTIC MATERIALS SHALL NOT BE ALLOWED.

VHB TAPE SHALL BE USED WHEN INSTALLED ON COIN MACHINES OR TOLL BOOTHS.

MOUNTING: GROUND MOUNT (GM-X)



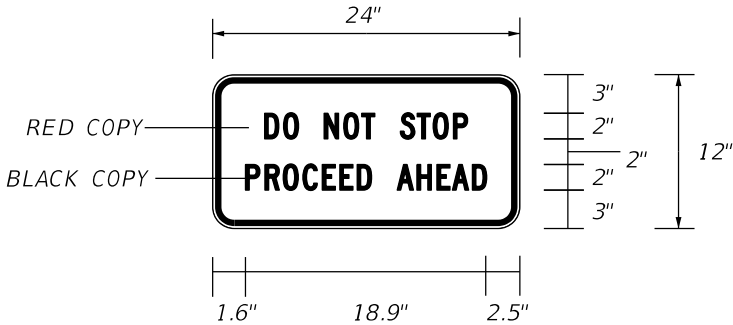
COPY		S	T	A	Y		I	N												L
SPACE	2.3					7.6			3			2.8		2.3						13.4
COPY		V	E	H	I	C	L	E												L
SPACE	2.3													2.3						13.4
COPY																				
SPACE																				
COPY																				
SPACE																				
COPY																				
SPACE																				

USE: MAINLINE AND RAMP - INTERIOR TOLL PLAZA SIGNING CONTINUED

SIGN NUMBER	405
QUANTITY	
WIDTH	2'-0" (24")
HEIGHT	1'-0" (12")
BORDER WIDTH	0.5"
BORDER RADII	1.5"
BORDER INSET	0.375"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Red, Black/Black
SHEETING	DG3

NOTES:

MOUNTING: GROUND MOUNT (GM-X)



COPY		D	O		N	O	T		S	T	O	P								L
SPACE	4.1			2.7			2				3.9		2			5.3		4		15.9
COPY		P	R	O	C	E	E	D		A	H	E	A	D						L
SPACE	2.6								2						7.1			2.5		18.9
COPY																				
SPACE																				
COPY																				
SPACE																				

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:

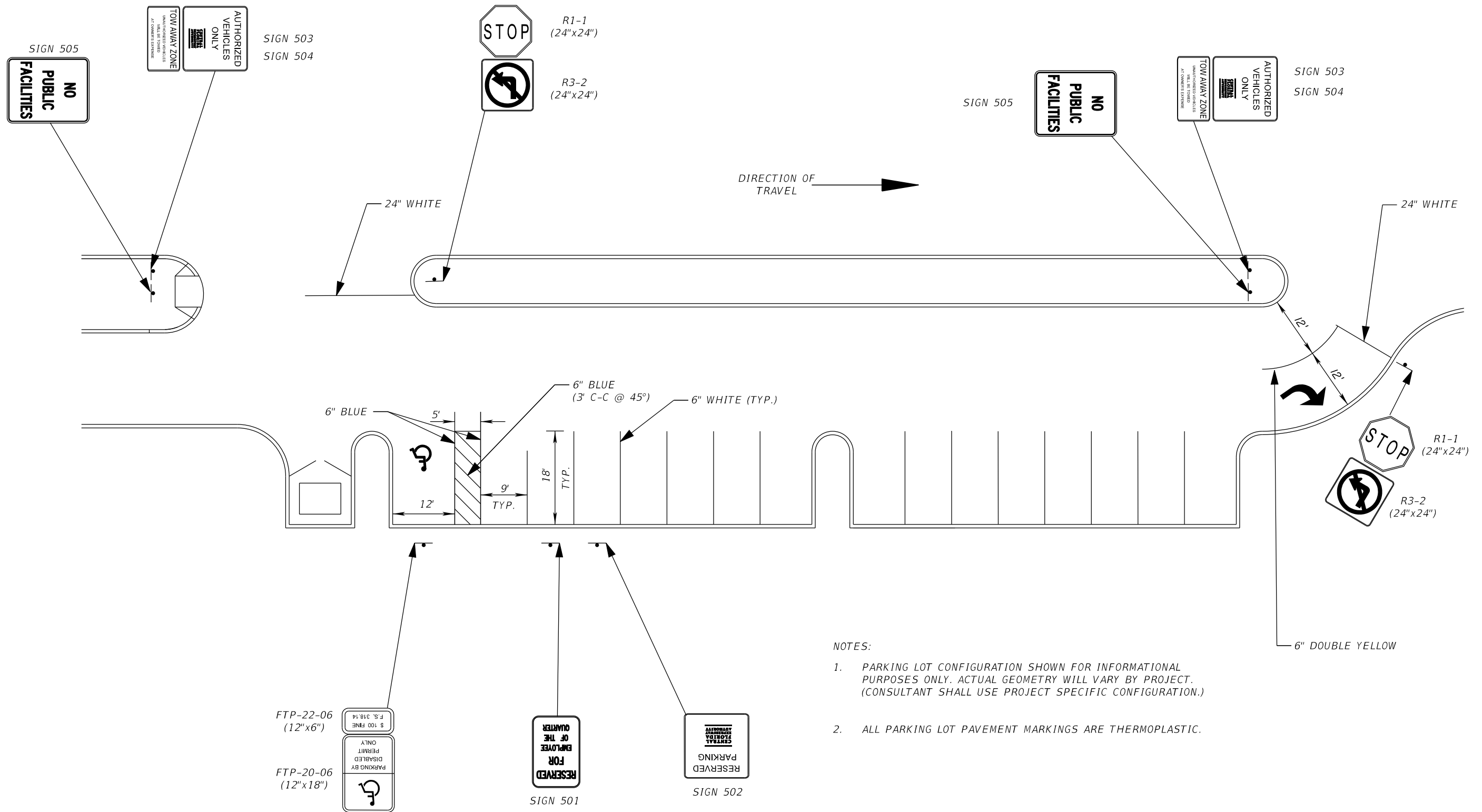
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SPACE																				
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NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GUIDE SIGN WORKSHEET SIGNS 404, 405		SHEET NO.	
DATE	DESCRIPTION		DATE							53	

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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.
									54

SIGN NUMBER	501
QUANTITY	
WIDTH	1'-0" (12")
HEIGHT	1'-6" (18")
BORDER WIDTH	0.25"
BORDER RADII	1.5"
BORDER INSET	0.125"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

MOUNTING: GROUND MOUNT (GM-X)

COPY		R	E	S	E	R	V	E	D									L
SPACE	1.1	9.8								1.1								9.8
COPY		F	O	R														L
SPACE	4.2	3.6			4.2													3.6
COPY		E	M	P	L	O	Y	E	E									L
SPACE	2.1	7.8								2.1								7.8
COPY		O	F		T	H	E											L
SPACE	3	1.8		1.5	2.7			3										6
COPY		Q	U	A	R	T	E	R										L
SPACE	2.8	6.5							2.7									6.5

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

MOUNTING: GROUND MOUNT (GM-X)

[illegible]

MOUNTING: GROUND MOUNT (GM-X)

[illegible]

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

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

SIGNING AND PAVEMENT MARKING DETAILS	
ROAD NO.	PROJECT NO.

GUIDE SIGN WORKSHEET
SIGNS 501 - 503

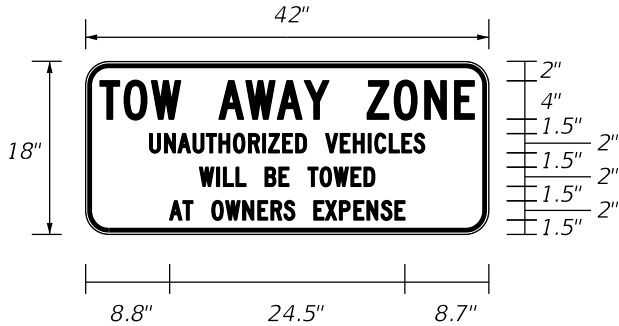
55

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SIGN NUMBER	504
QUANTITY	
WIDTH	3'-6" (42")
HEIGHT	1'-6" (18")
BORDER WIDTH	0.5"
BORDER RADII	2.25"
BORDER INSET	0.125"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Red
SHEETING	D63

NOTES:

MOUNTING: GROUND MOUNT (GM-X)



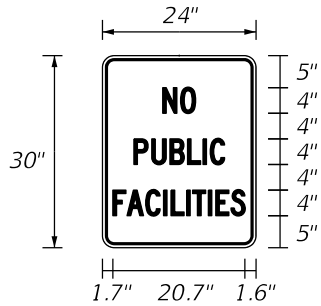
COPY		T	O	W		A	W	A	Y		Z	O	N	E							L
SPACE	1.5		8.4		4		11.4		4		11.2				1.5						39
COPY		U	N	A	U	T	H	O	R	I	Z	E	D								
SPACE	6.2		16.3											3							
COPY	V	E	H	I	C	L	E	S													L
SPACE			10.3						6.2												29.6
COPY		W	I	L	L		B	E		T	O	W	E	D							L
SPACE	10.9		4.8		3		2.5		3		7				10.8						20.3
COPY		A	T		O	W	N	E	R	S		E	X	P	E	N	S	E			L
SPACE	7.8		2.4	3			8.6		3		9.5					7.7					26.5

USE: MAINLINE TOLL PLAZA PARKING LOT SIGNING CONTINUED

SIGN NUMBER	505
QUANTITY	
WIDTH	2'-0" (24")
HEIGHT	2'-6" (30")
BORDER WIDTH	0.5"
BORDER RADII	1.5"
BORDER INSET	0.375"
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	D63

NOTES:

MOUNTING: GROUND MOUNT (GM-X)



COPY		N	O																		L
SPACE	9.3		5.4	9.3																	5.4
COPY		P	U	B	L	I	C														L
SPACE	4.4		15.3					4.3													15.3
COPY		F	A	C	I	L	I	T	I	E	S										L
SPACE	1.7		20.7									1.6									20.7
COPY																					
SPACE																					

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:

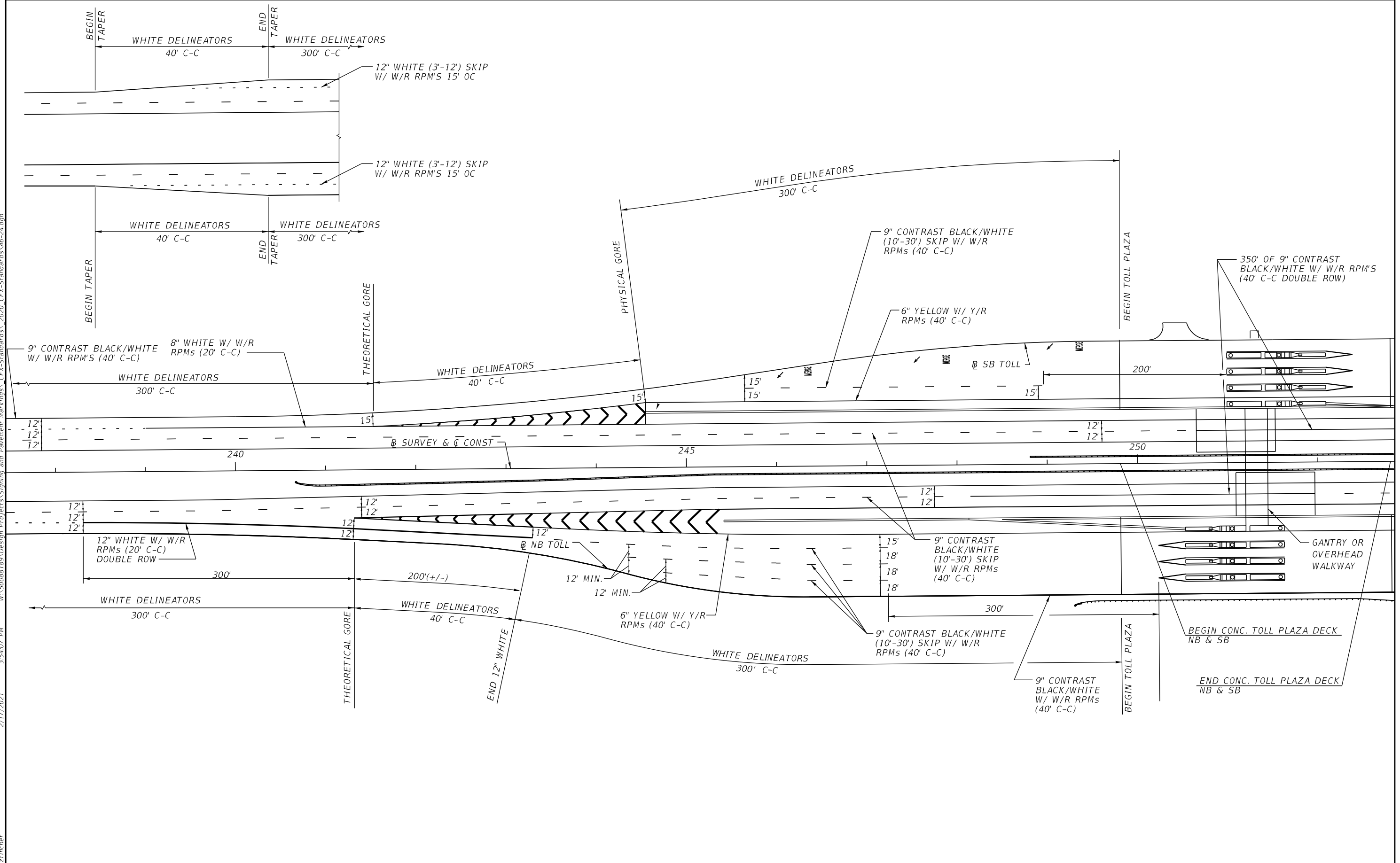
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NOTE: END DIMENSIONS INCLUDE BORDER WIDTH, MARGIN AND BORDER RECESS.

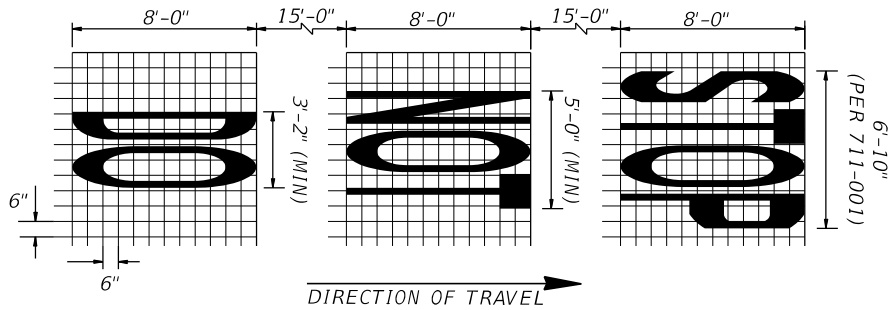
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	GUIDE SIGN WORKSHEET SIGNS 504, 505		SHEET NO. 56
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				

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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 MAINLINE PLAZAS	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.

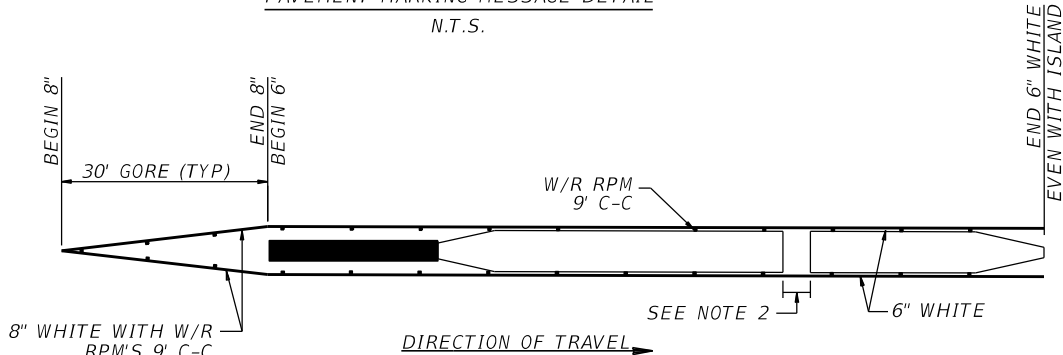
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NOTES:

1. EACH WORD TO BE CENTERED WITHIN LANE.
2. PAVEMENT MESSAGES TO BE 3M SERIES 380IES.

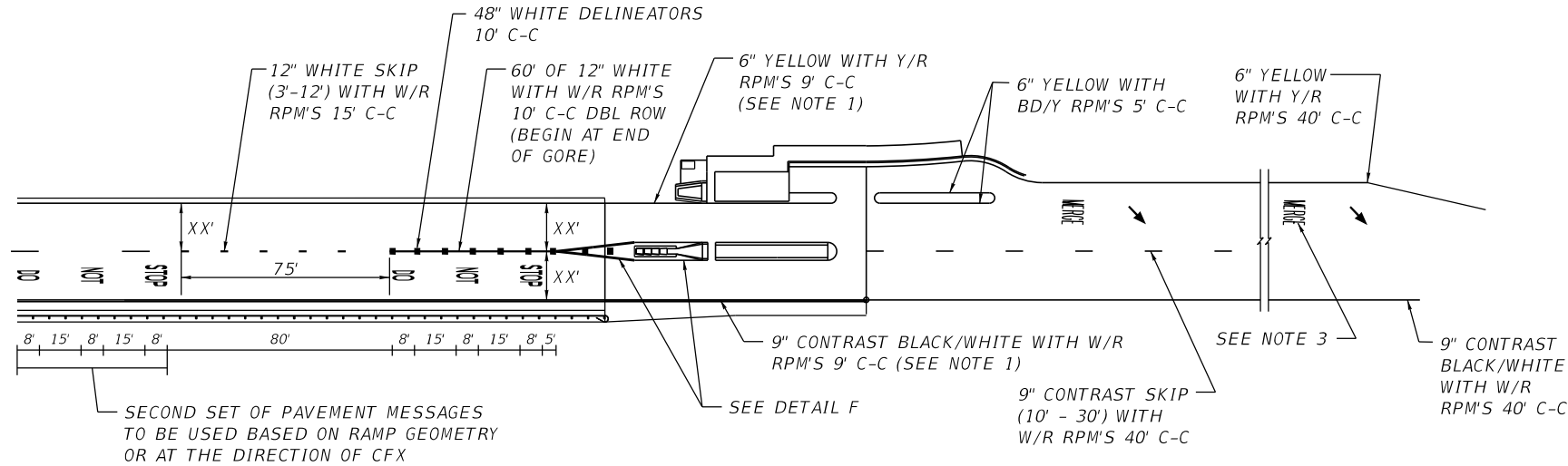
DETAIL A - RAMP PLAZA
PAVEMENT MARKING MESSAGE DETAIL
N.T.S.



NOTES:

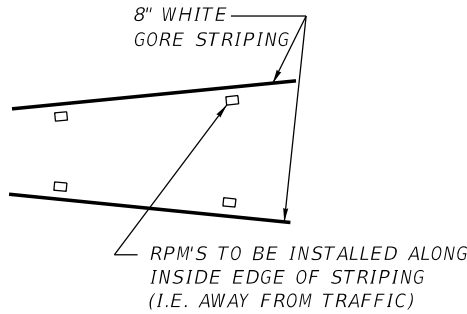
1. RPM'S SHALL BE PLACED PER DETAIL D AND E.
2. RPM'S SHALL NOT BE PLACED THROUGH ISLAND WALKWAY AREAS.

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



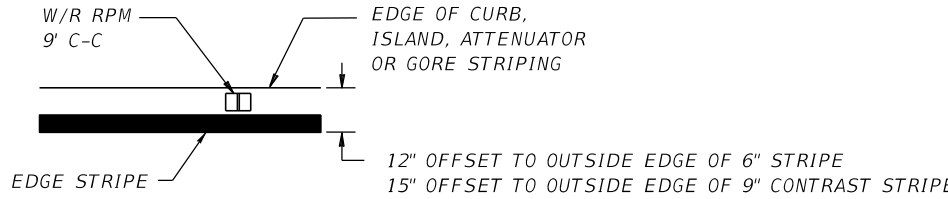
DETAIL C

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



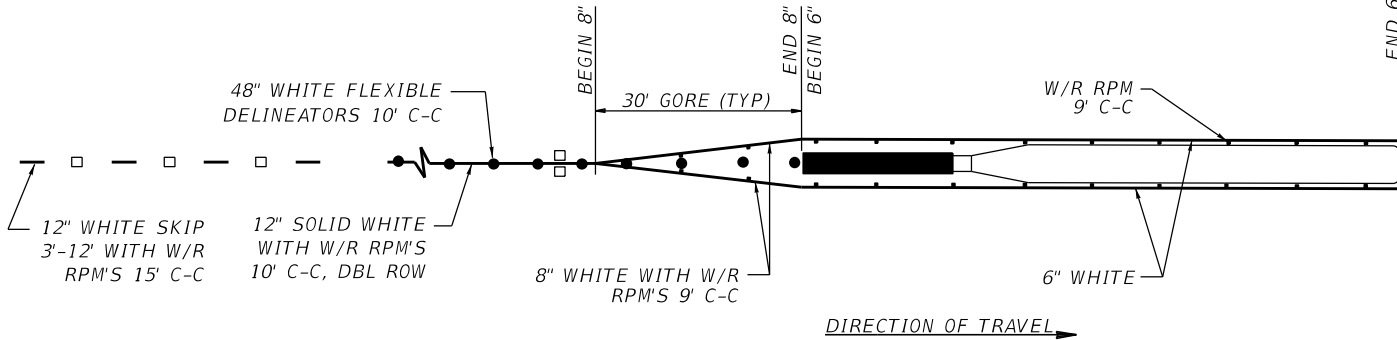
DETAIL D

RPM PLACEMENT WITHIN ISLAND GORES
N.T.S.



DETAIL E

RPM PLACEMENT DETAIL
N.T.S.



NOTES:

1. 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:

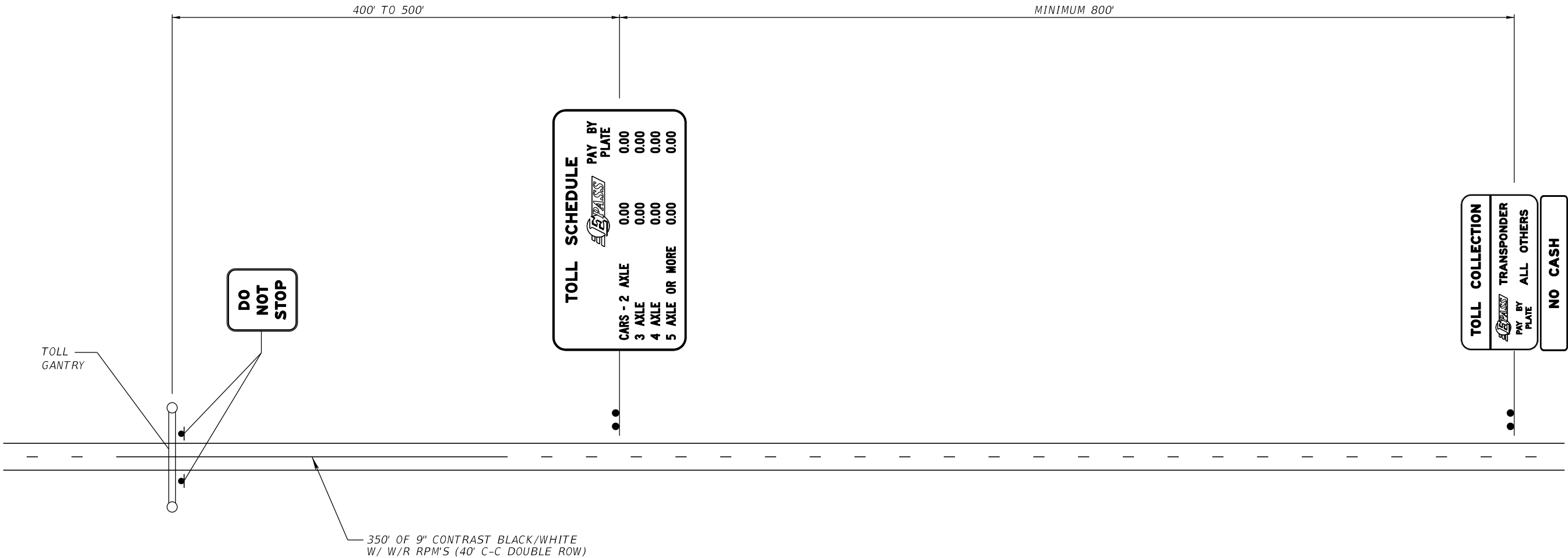
1. RAMP/PLAZA CONFIGURATION SHOWN IN DETAIL C IS FOR EXAMPLE PURPOSES ONLY. DETAIL TO BE REVISED USING PROJECT SPECIFIC GEOMETRICS.
2. SIZE OF PARKING CHANNELIZATION TO BE GOVERNED BY THE RAMP GEOMETRY. CONSULTANT TO PROVIDE ALL APPLICABLE CONSTRUCTION INFORMATION.
3. PROVIDE DIMENSIONS (XX') FOR SPECIFIC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

NOTES:

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

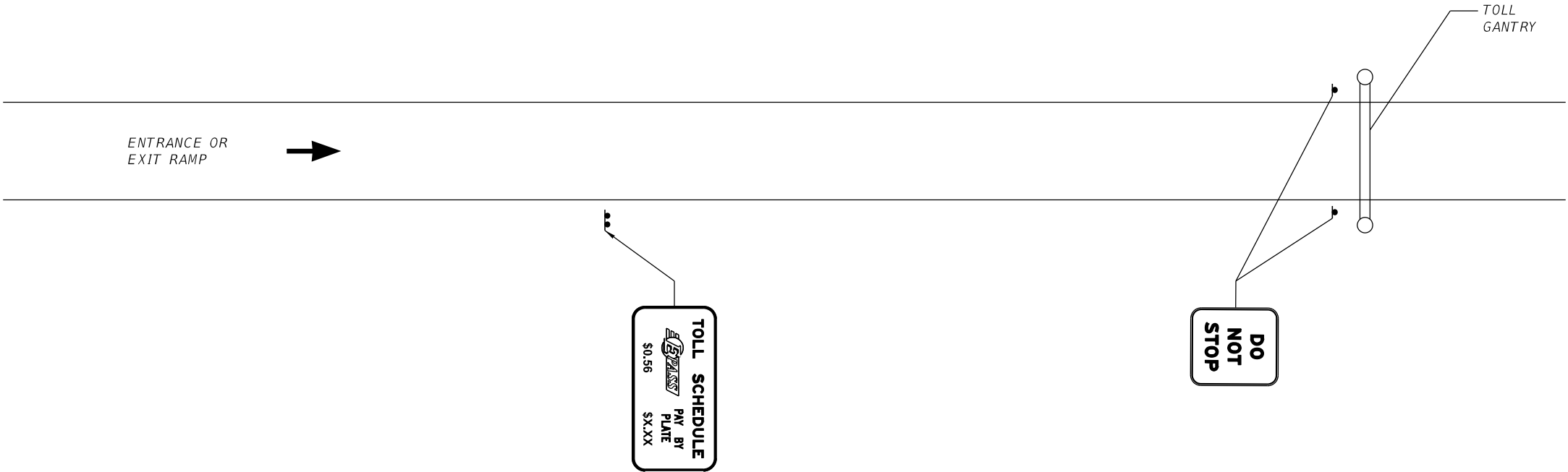
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>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

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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							59	

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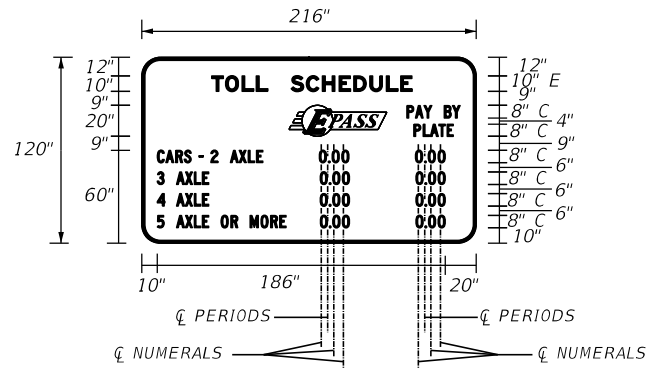
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>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

SIGN NUMBER	601
QUANTITY	
WIDTH	18'-0" (216")
HEIGHT	10'-0" (120")
BORDER WIDTH	2"
BORDER RADII	12"
BORDER INSET	N/A
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

EPASS LOGO EP-10R
SEE EPASS LOGOS SHEETS

MOUNTING: GROUND MOUNT (GM-X)



NOTES:

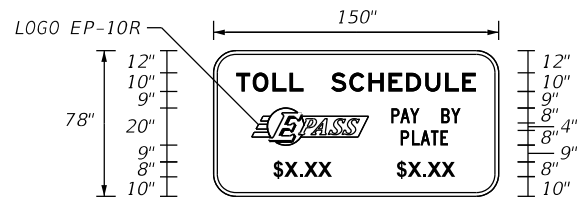
1. NUMERAL SPACING TO BE ADJUSTED SUCH THAT PERIODS AND COLUMNS OF NUMERALS LINE UP VERTICALLY.
2. EACH COLUMN OF TOLL RATES TO BE CENTERED UNDER METHOD OF PAYMENT.
3. BASED ON NOTES 1 AND 2, SPACE BETWEEN "AXLE" AND TOLL RATES IS SUBJECT TO CHANGE. ALSO APPLIES TO SIDE MARGINS ADJACENT TO TOLL RATES.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

[illegible]

SIGN NUMBER	602
QUANTITY	
WIDTH	12'-6" (150")
HEIGHT	6'-6" (78")
BORDER WIDTH	2"
BORDER RADII	10"
BORDER INSET	N/A
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

MOUNTING: GROUND MOUNT (GM-X)

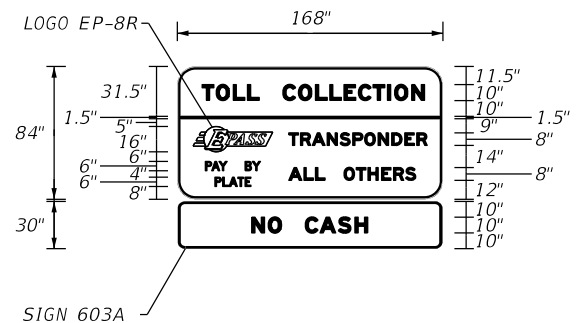



SIGN NUMBER	603 / 603A
QUANTITY	
WIDTH	14'-0" (168")
HEIGHT	7'-0" (84") / 2'-6" (30")
BORDER WIDTH	1.5"
BORDER RADII	10.5" / 4"
BORDER INSET	0.5"
BACKGROUND COLOR	White / Yellow
LEGEND & BORDER COLOR	Black
SHEETING	DG3

NOTES:

LETTER SPACING HAS BEEN INCREASED
BY 10%.

MOUNTING: GROUND MOUNT (GM-X)



COPY		T	O	L	L		S	C	H	E	D	U	L	E							L	
SPACE	10.3	36.3				15	78.2								10.2							129.5
COPY				P	A	Y		B	Y												L	
SPACE	20.8	63.2	10.7	16.2			8	10.3		20.8											108.4	
COPY		P	L	A	T	E															L	
SPACE	99.3	25.5					25.2														25.5	
COPY		\$	X	.	X	X		\$	X	.	X	X									L	
SPACE	40.7	19					42.9	19						28.4								80.9

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

[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 601 - 603	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

NOTES:

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

EPASS LOGO EP-14R
SEE EPASS LOGOS SHEETS

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

[illegible]

MOUNTING: GROUND MOUNT (GM-X)

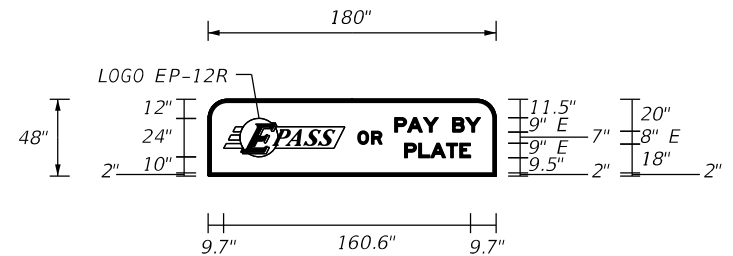


1. HEIGHT OF SIGN 605 SHALL BE 3'-0" AND LEGEND SHALL BE 12" EM. WIDTH SHALL MATCH MAIN PANEL. INCREASE OR DECREASE SIDE MARGINS AS NEEDED.
2. MINIMUM WIDTH OF SIGN 606 SHALL BE 15'-0" FOR CROSSROAD OVERHEAD GUIDE SIGNS. HEIGHT SHALL REMAIN 4'-0" REGARDLESS OF WIDTH.
3. WHEN THE WHITE ON GREEN PORTION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

[illegible]

MOUNTING: GROUND MOUNT (GM-X)



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

**CENTRAL
FLORIDA
EXPRESSWAY
AUTHORITY**

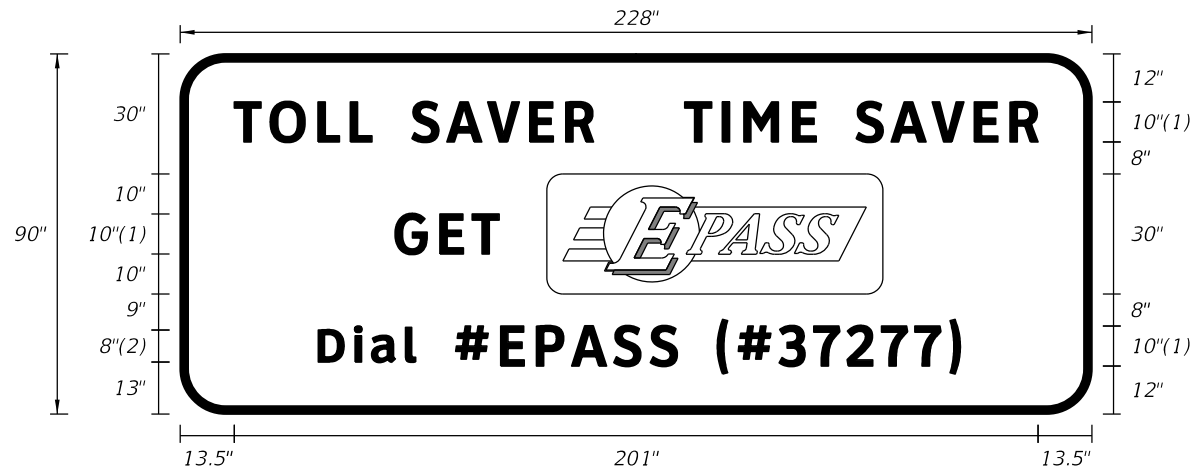
SHEET
NO.

52

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

NOTES:
EPASS LOGO EP-12R (MOD)
SEE EPASS LOGOS SHEETS

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



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

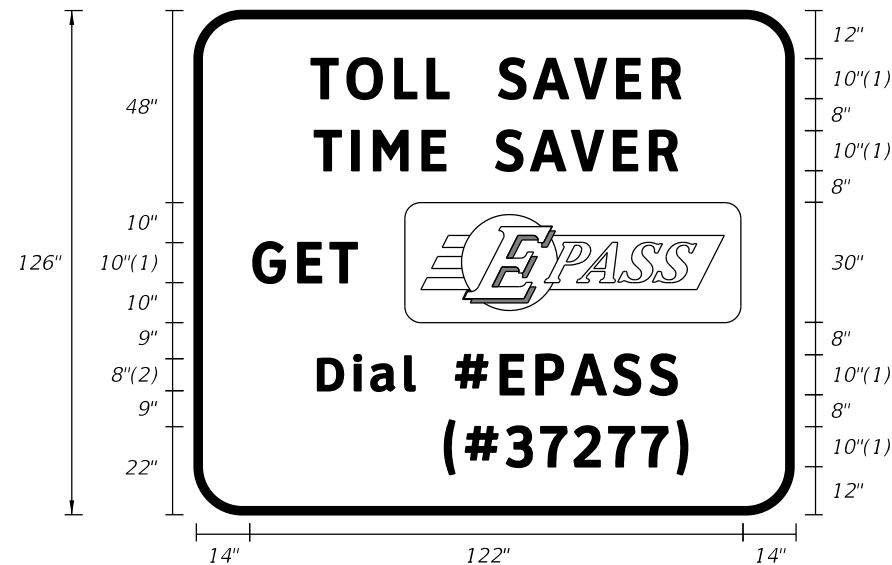
[illegible]

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

NOTES:
EPASS LOGO EP-12R (MOD)
SEE EPASS LOGOS SHEETS

"37277" TO BE VERTICALLY
CENTERED ABOUT "EPASS"

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



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

[illegible]

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		<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	GUIDE SIGN WORKSHEET SIGNS TS-1, TS-2	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						ROAD NO.

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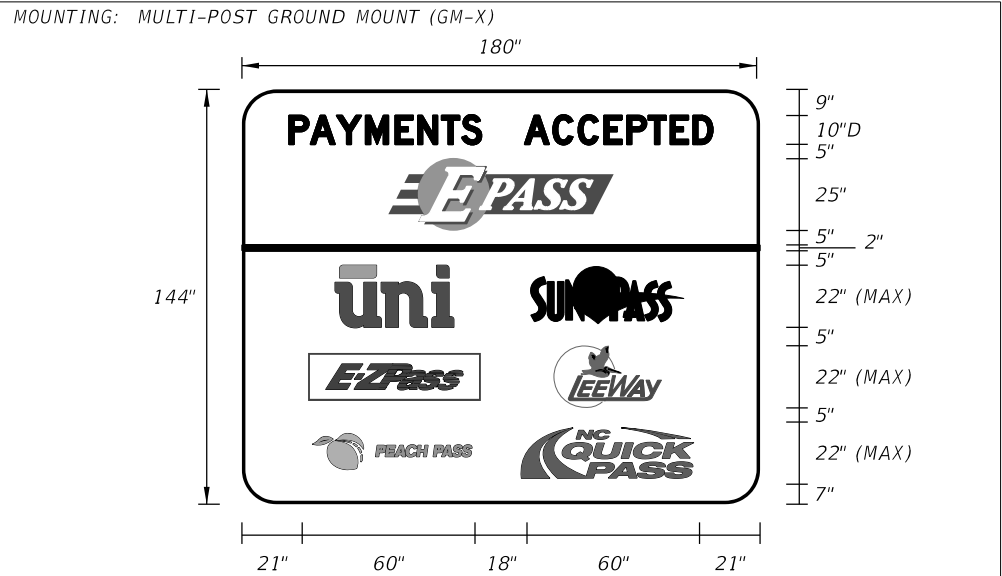
SIGN NUMBER	SIGN PA-1
QUANTITY	
WIDTH	15'-0" (180")
HEIGHT	12'-0" (144")
BORDER WIDTH	2"
BORDER RADII	12"
BORDER INSET	N/A
BACKGROUND COLOR	White
LEGEND & BORDER COLOR	Black/Other
SHEETING	DG3

NOTES:

FOR EPASS LOGO DETAILS,
SEE LOGO EP-12.5R

FOR SUNPASS LOGO DETAILS,
SEE LOGO SP-3

FOR OTHER LOGOS, A DISK WITH THE GRAPHICS
WILL BE PROVIDED FOR THE CONTRACTOR'S USE



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][illegible]

USE: PART TIME SHOULDER USE (PTSU) 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:

[illegible]

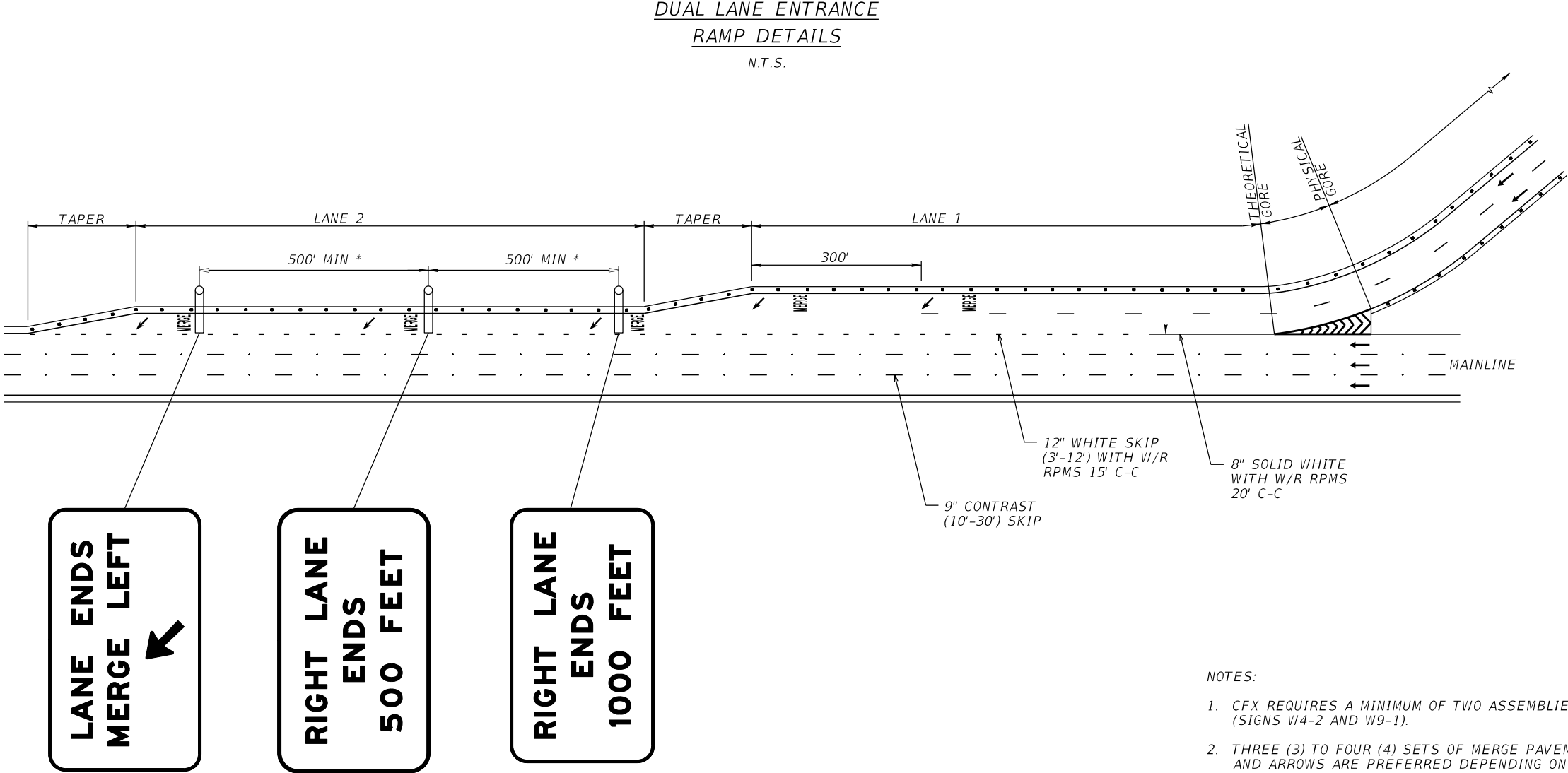
Diagram of a rectangular sign with dimensions and mounting offsets:

- Overall width: 168"
- Overall height: 102"
- Text content: **SHOULDER
USE ENDS
3500 FEET**
- Mounting offsets (from edges to center of text):
 - Top: 16.5"
 - Bottom: 16.5"
 - Left: 16.7"
 - Right: 16.7"
- Internal width (between mounting points): 134.6"

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

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

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- 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.

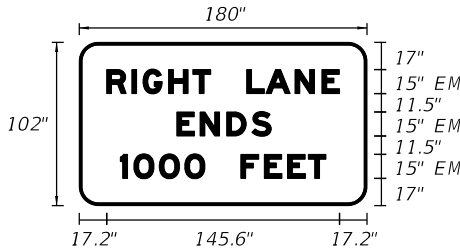
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	<i>DUAL LANE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

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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:

MOUNTING: OVERHEAD CANTILEVER (OC-X)



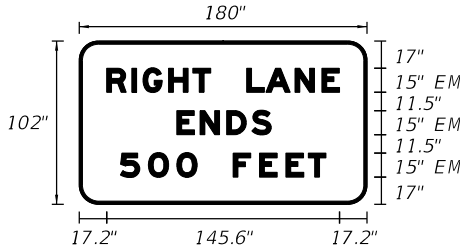
COPY		R	I	G	H	T		L	A	N	E										L
SPACE	17.2	65					22.5	58.1					17.2								145.6
COPY		E	N	D	S																L
SPACE	60.4	59.1					60.5														59.1
COPY		1	0	0	0		F	E	E	T											L
SPACE	25.7	52.8					22.5	53.3					25.7								128.6
COPY																					
SPACE																					
COPY																					
SPACE																					

USE: OVERHEAD LANE ENDS SIGNING

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:

MOUNTING: OVERHEAD CANTILEVER (OC-X)



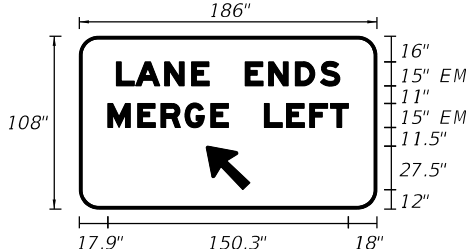
COPY		R	I	G	H	T		L	A	N	E										L
SPACE	17.2	65					22.5	58.1					17.2								145.6
COPY		E	N	D	S																L
SPACE	60.4	59.1					60.5														59.1
COPY		5	0	0		F	E	E	T												L
SPACE	25.7	52.8					22.5	53.3					25.7								128.6
COPY																					
SPACE																					

NOTE: WIDTH - HORIZONTAL SPACING DIMENSIONS ARE IN INCHES.

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:

MOUNTING: OVERHEAD CANTILEVER (OC-X)

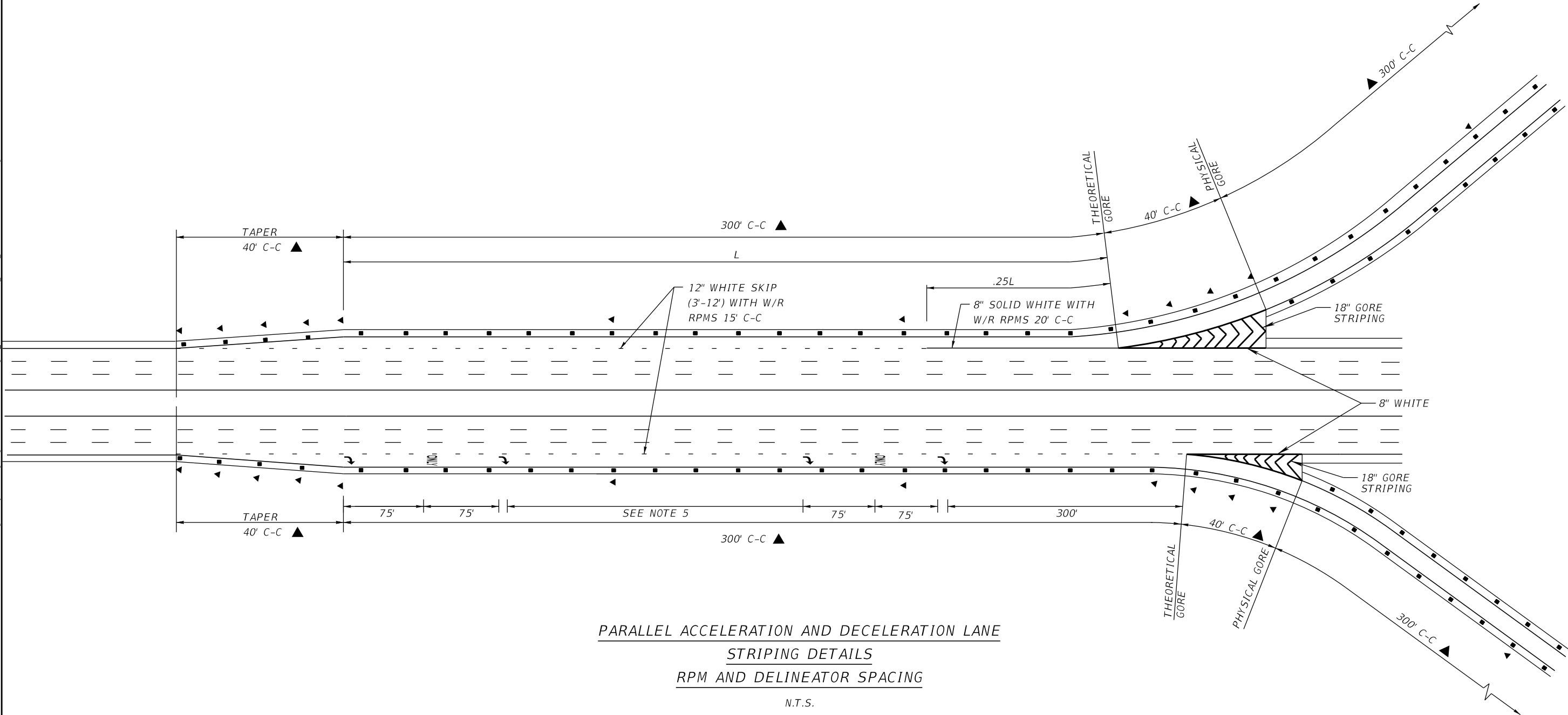




COPY		L	A	N	E		E	N	D	S											L
SPACE	23.1	58.1					22.5	59.1					23.2								139.7
COPY		M	E	R	G	E		L	E	F	T										L
SPACE	17.8	75.4					22.5	52.4					17.9								150.3
COPY																					L
SPACE	79.2	27.5	79.3																		27.5
COPY																					
SPACE																					

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>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	GUIDE SIGN WORKSHEET SIGNS 701 - 703	SHEET NO.		
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.	67

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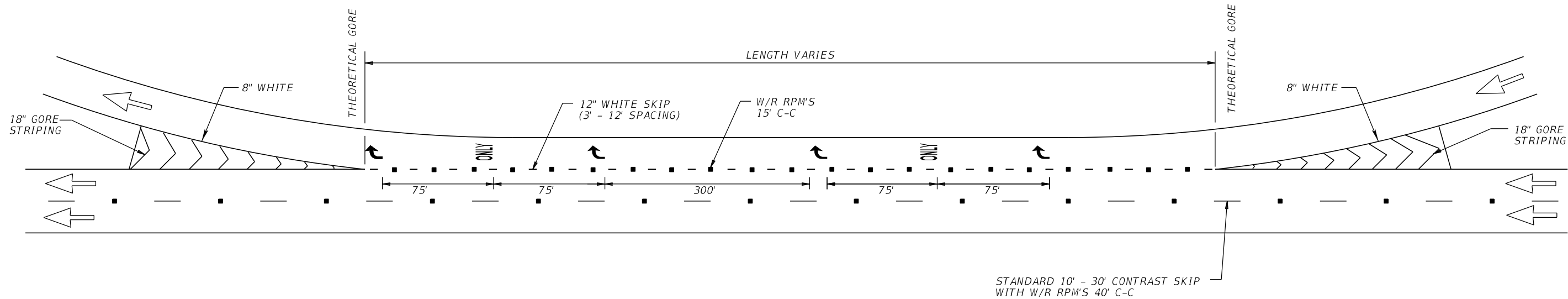


- NOTES:
-  = DELINEATORS
 = RPMS
 - EDGE LINE RPM SPACING IS 40' C-C THROUGH FULL LENGTH OF ACCEL/DECEL LANES, TAPERS AND RAMPS.
 - FIRST SET OF PAVEMENT MARKING MESSAGES SHALL BE PLACED AT BEGINNING OF PARALLEL DECELERATION LANE (FULL 12' LANE WIDTH).

- LAST SET OF PAVEMENT MARKING MESSAGES SHALL BE PLACED AT THE THEORETICAL GORE AS SHOWN.
- 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	<div>CENTRAL FLORIDA EXPRESSWAY AUTHORITY</div>	TYPICAL PAVEMENT MARKINGS PARALLEL RAMPS	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.

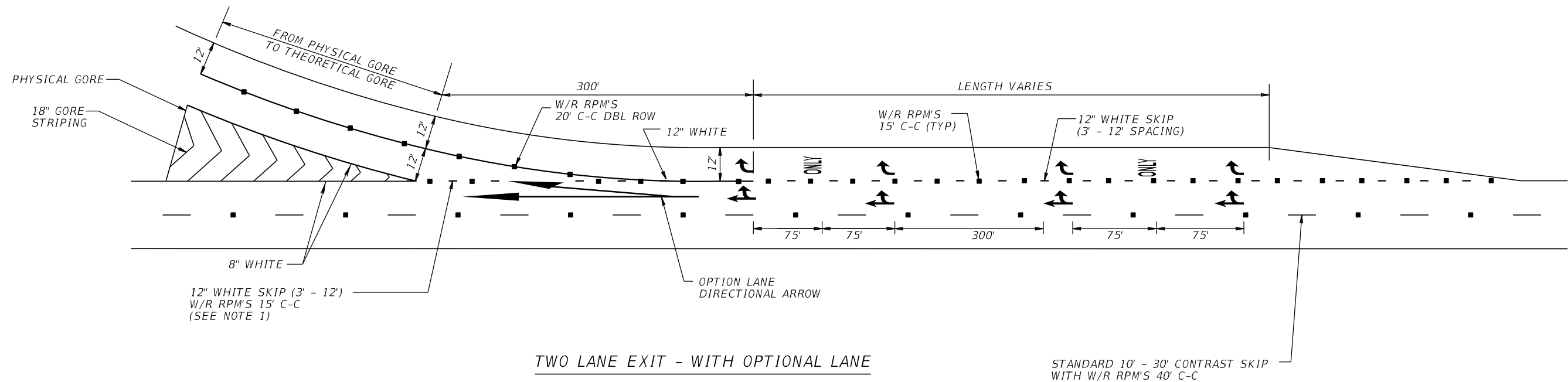
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AUXILIARY LANE BETWEEN INTERCHANGES
N.T.S.

NOTES:

1.  INDICATES DIRECTION OF TRAFFIC.



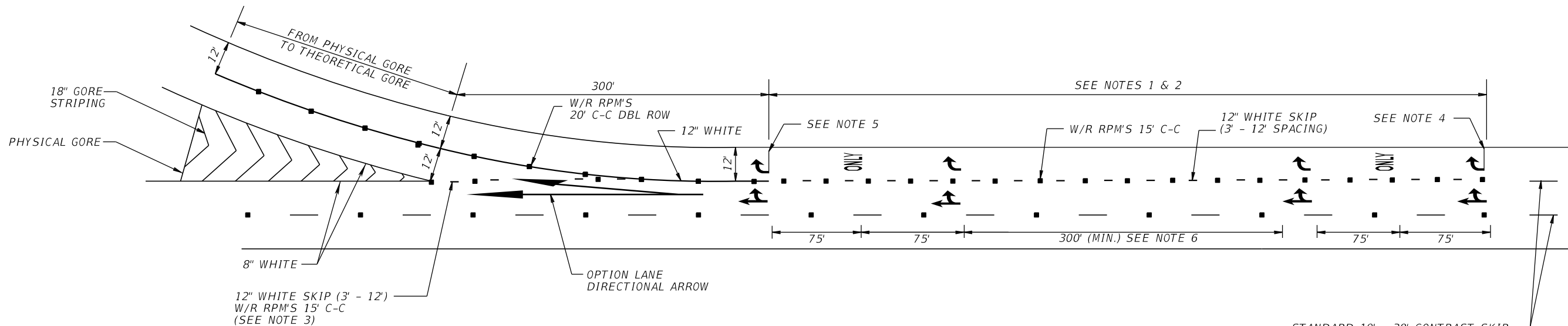
NOTE:

1. BREAK 3'-12' SKIP AT OPTION LANE ARROW.
2. 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.

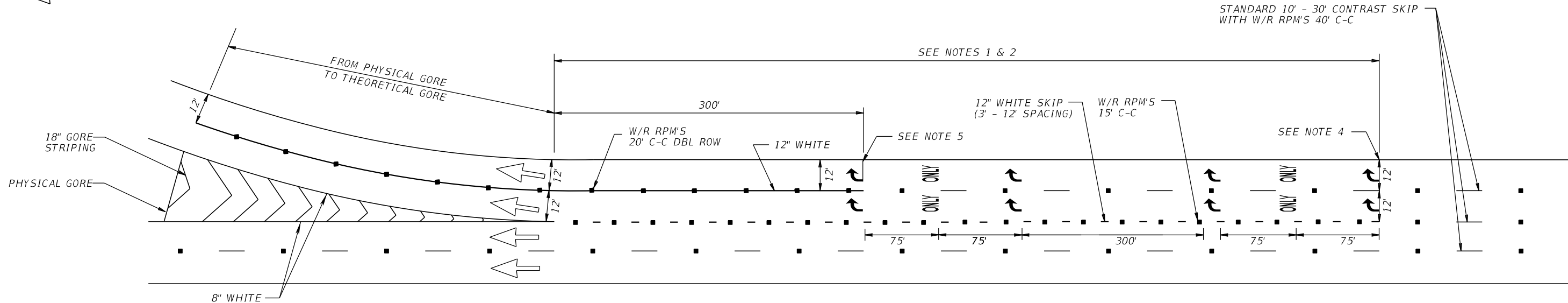
REVISIONS				ENGINEER OF RECORD FULL NAME, P.E. P.E. LICENSE NUMBER 99999 ENGINEER OF RECORD COMPANY NAME ENGINEER OF RECORD COMPANY STREET ENGINEER OF RECORD CITY, STATE AND ZIP CERTIFICATE OF AUTHORIZATION 00009999	SIGNING AND PAVEMENT MARKING DETAILS		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TYPICAL PAVEMENT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

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NOTES:

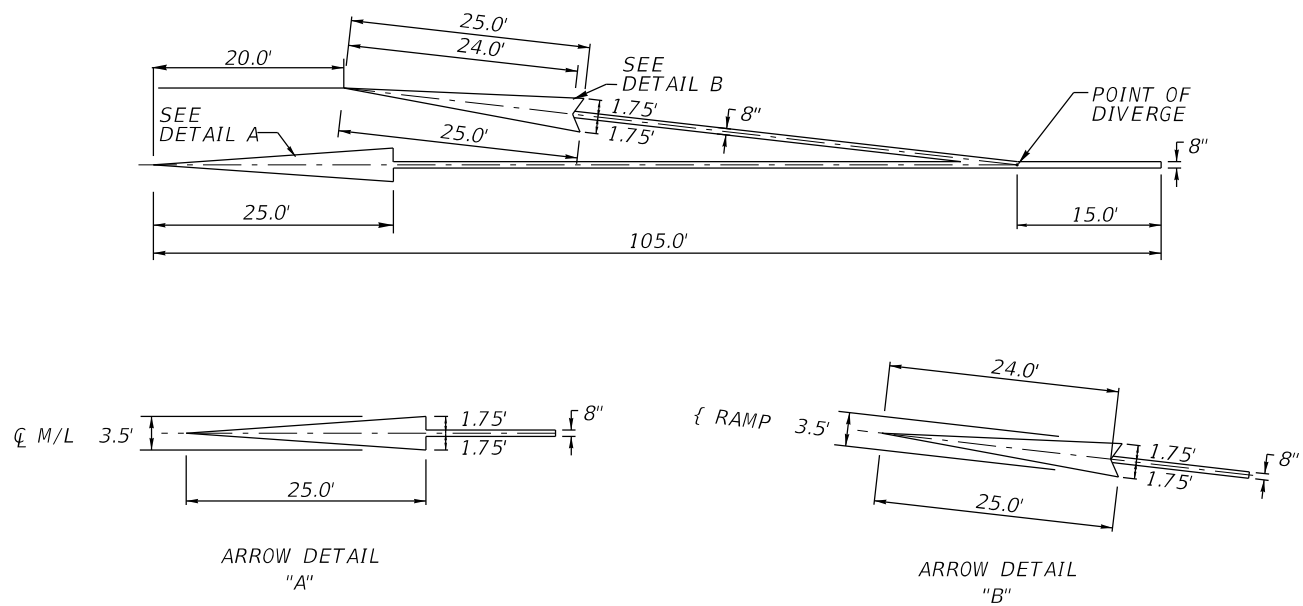
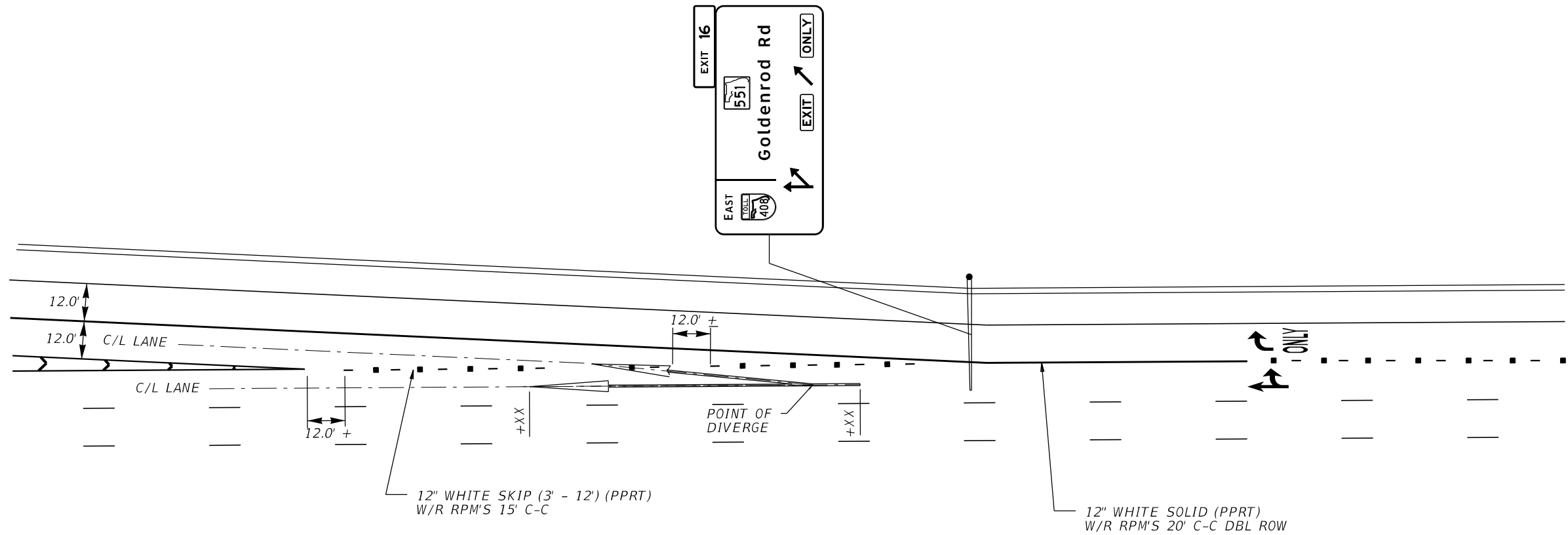
1. MINIMUM LENGTH VARIES DEPENDING ON ACTUAL GEOMETRY.
2. ALIGN 3'-12' SKIP WITH FIRST "EXIT ONLY" OVERHEAD SIGN.
3. BREAK 3'-12' SKIP AT OPTION LANE ARROW.
4. FIRST SET OF PAVEMENT MARKING ARROWS TO BE PLACED AT BEGINNING OF 12" (3'-12') SKIP AS SHOWN.
5. LAST SET OF PAVEMENT MARKING ARROWS TO BE PLACED 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.



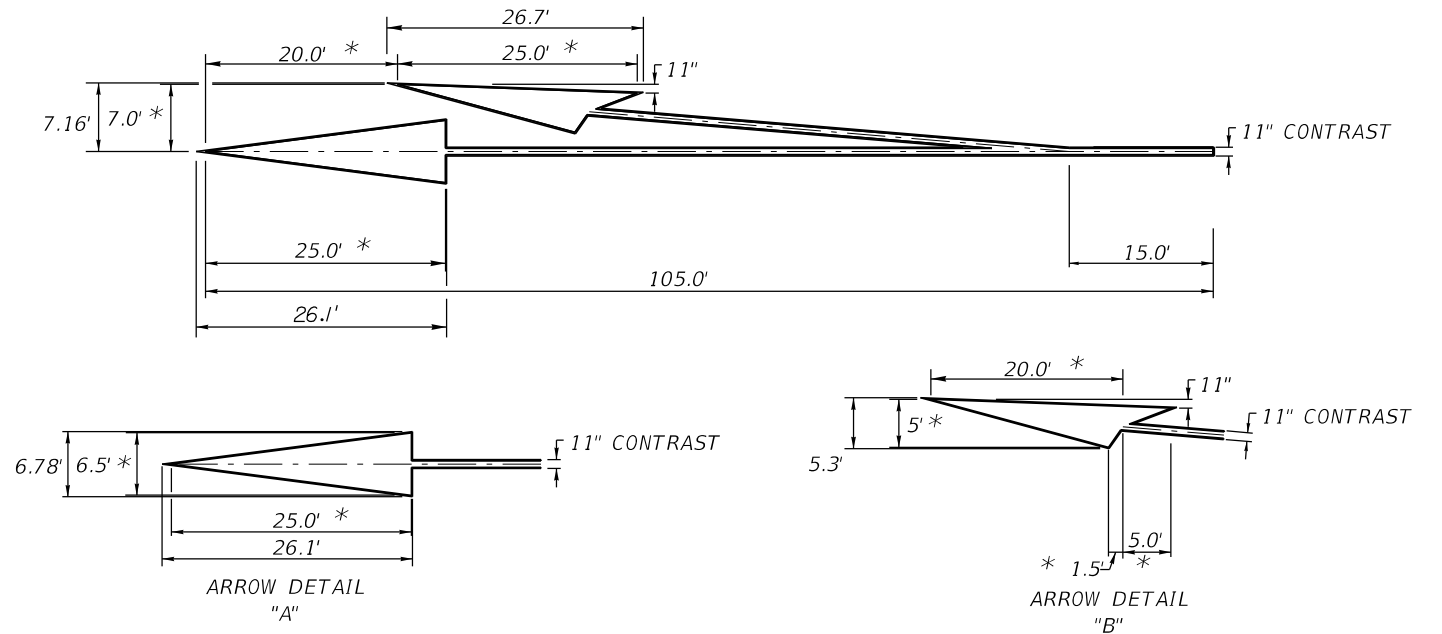
TWO LANE EXIT - WITHOUT OPTIONAL LANE
(MAINLINE LANE DROP)

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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	TYPICAL PAVEMENT MARKING PARALLEL EXIT RAMPS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.				
										70



OPTION LANE
DIRECTIONAL ARROW DETAIL
ASPHALT SURFACES




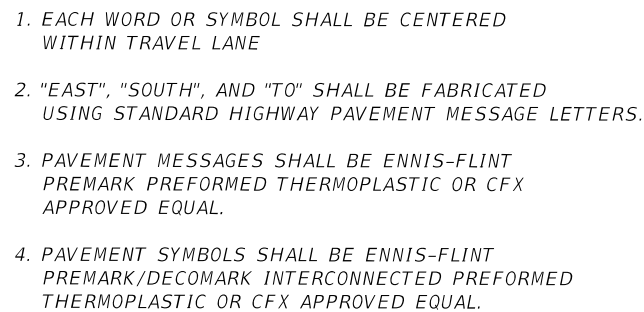
OPTION LANE
DIRECTIONAL ARROW DETAIL
CONCRETE SURFACES

PPRT OR PREFORMED THERMO ONLY

NOTES:

1. CONTRAST CONSISTS OF 8" WHITE BORDERED LONGITUDINALLY ON BOTH SIDES WITH A 1½" BLACK MATTE CONTRASTING TAPE OR PREFORMED THERMO FOR A TOTAL OF 11".
2. * INDICATES DIMENSIONS FOR WHITE PORTION OF ARROWS.

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		OPTION LANE ARROW DETAILS	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>	PERFORMED HORIZONTAL SIGNING DETAILS (1)	SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION					ROAD NO.	PROJECT NO.




1. NOTES 3 AND 4 ARE SUBJECT TO CHANGE DEPENDING ON ACTUAL MATERIAL AS DETERMINED BY CFX.

3. DELETE BOX AND NOTES PRIOR TO INCLUDING SHEET IN PLAN.

1. EACH WORD OR SYMBOL SHALL BE CENTERED WITHIN TRAVEL LANE.

3. PAVEMENT MESSAGES SHALL BE ENNIS-FLINT
PREMARK PREFORMED THERMOPLASTIC OR CFX
APPROVED EQUAL.

4. PAVEMENT SYMBOLS SHALL BE ENNIS-FLINT
PREMARK/DECOMARK INTERCONNECTED PREFORMED
THERMOPLASTIC OR CFX APPROVED EQUAL.

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>PREFORMED HORIZONTAL SIGNING DETAILS (2)</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					

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-
- WEST
- TOLL
- 528
- PAY TOLL
- McCoy Rd
- To 482 Sand Lake Rd
- EXIT ONLY
- LOGO EP-10.8R
- EXIT 8
- PANEL 3

LOGO EP-10.8R

EXIT 8

PANEL 3

PAY TOLL

McCoy Rd

To

482

Sand Lake Rd

1/2 MILE

SURVEY SR 528
 150
 140
 130
 120
 110
 0 20 40 60 80 100 120 1

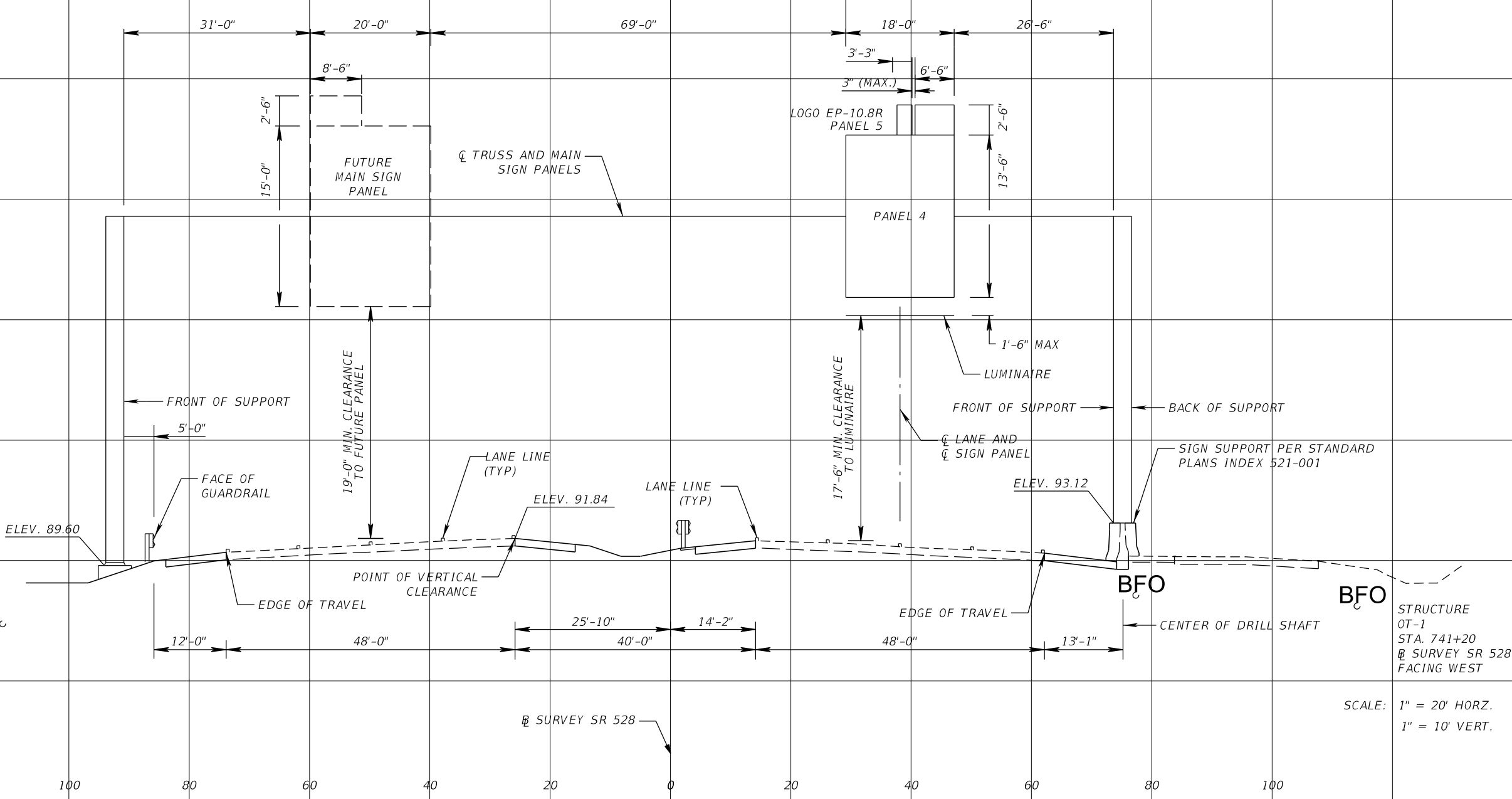
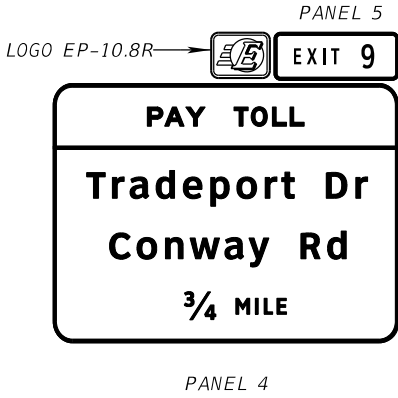
32'-0"
 8'-11"
 3'-3"
 6'-6"
 3" (MAX.)
 LOGO
 EP-10.8R
 PANEL 3
 2'-6"
 CANTILEVER AND
 MAIN SIGN PANELS
 PANEL 1
 15'-6"
 1'-6" MAX
 LUMINAIRE
 17'-6" MIN. CLEARANCE
 TO LUMINAIRE
 CL LANE AND
 CL ARROW
 FRONT OF
 SUPPORT
 5'-0"
 FACE OF
 GUARDRAIL
 3"
 ELEV. 114.65
 LANE LINE
 (TYP)
 POINT OF VERTICAL
 CLEARANCE
 EDGE OF TRAVEL
 GM
 ELEV. 113.76
 STRUCTURE
 OC-1
 STA. 673+40
 SURVEY SR 528
 FACING WEST
 SCALE: 1" = 20' HORIZ.
 1" = 10' VERT.

SURVEY SR 528
 27'-0"
 21'-0"
 3'-3"
 6'-6"
 3" (MAX.)
 2'-6"
 LOGO
 EP-10.8R
 PANEL 3
 13'-6"
 PANEL 2
 CANTILEVER AND
 MAIN SIGN PANELS
 1'-6" MAX
 LUMINAIRE
 17'-6" MIN. CLEARANCE
 TO LUMINAIRE
 FRONT OF SUPPORT
 36'-0"
 (CLEAR ZONE)
 ELEV. 93.12
 LANE LINE
 (TYP)
 EDGE OF TRAVEL
 POINT OF VERTICAL
 CLEARANCE
 3"
 ELEV. 90.18
 SCALE: 1" = 20' HORIZ.
 1" = 10' VERT.
 STRUCTURE
 OC-2
 STA. 701+30
 SURVEY SR 528
 FACING WEST
 BFO

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.

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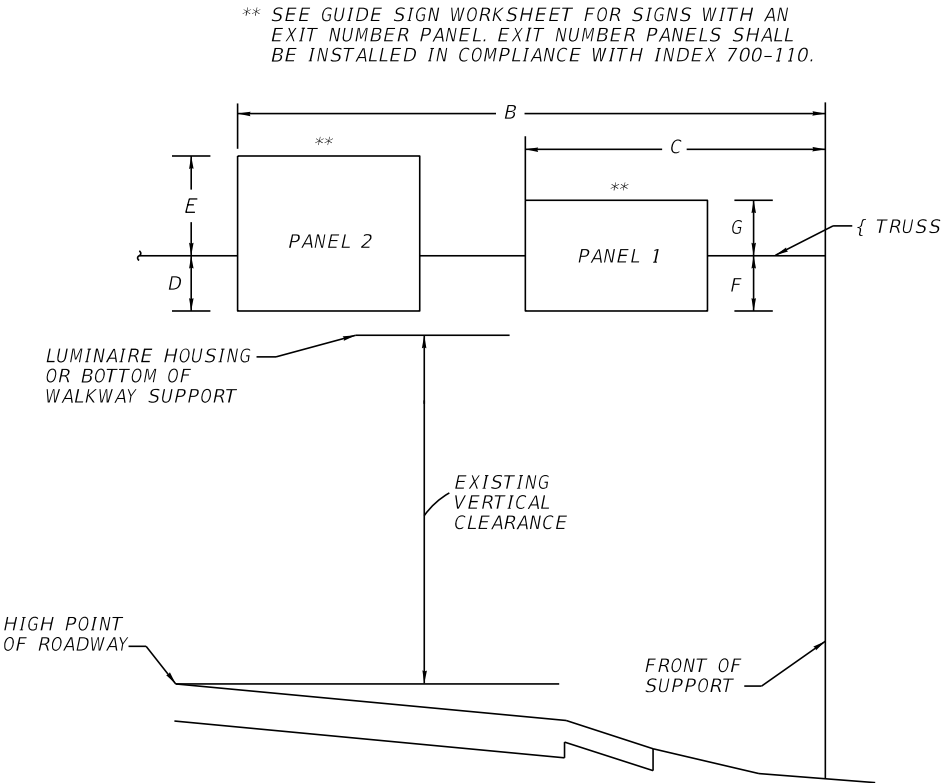
- NOTES TO CONSULTANT:
1. ASSUMED DATUM MAY ONLY BE USED FOR PROJECTS LIMITED TO SIGNING.
 2. ACTUAL ELEVATIONS ARE REQUIRED FOR NEW ROADWAY CONSTRUCTION, INCLUDING SIGN STRUCTURES OUTSIDE THE LIMITS OF CONSTRUCTION. APPLIES TO PROPOSED SIGN STRUCTURES AND EXISTING TO BE MODIFIED. DOES NOT APPLY WHEN 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.



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	SIGN CROSS SECTIONS <i>OT-1</i>		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
										75	

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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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	PANEL LOCATIONS ON EXISTING STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
									76

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

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.

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 $\frac{1}{4}$ 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.

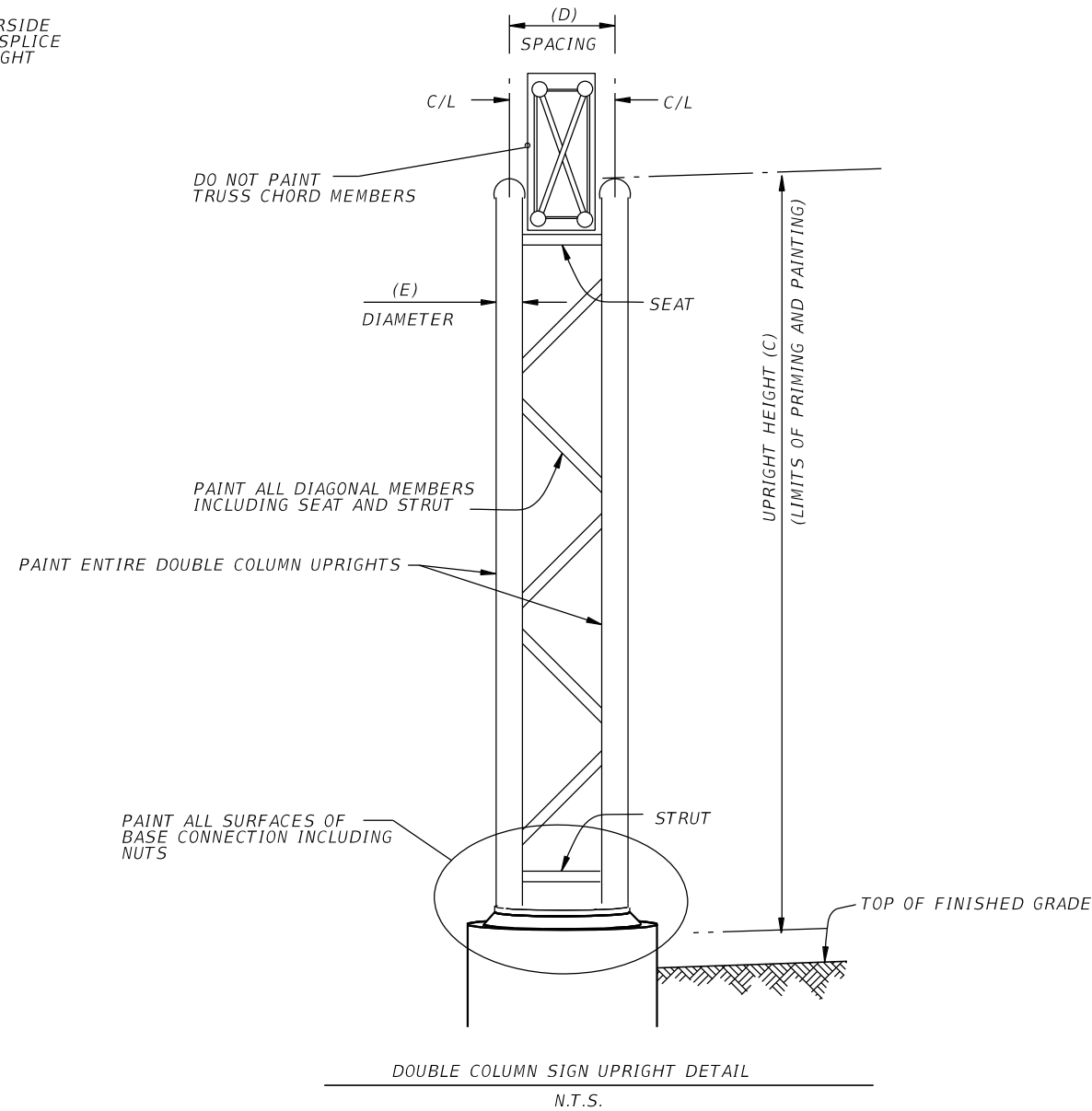
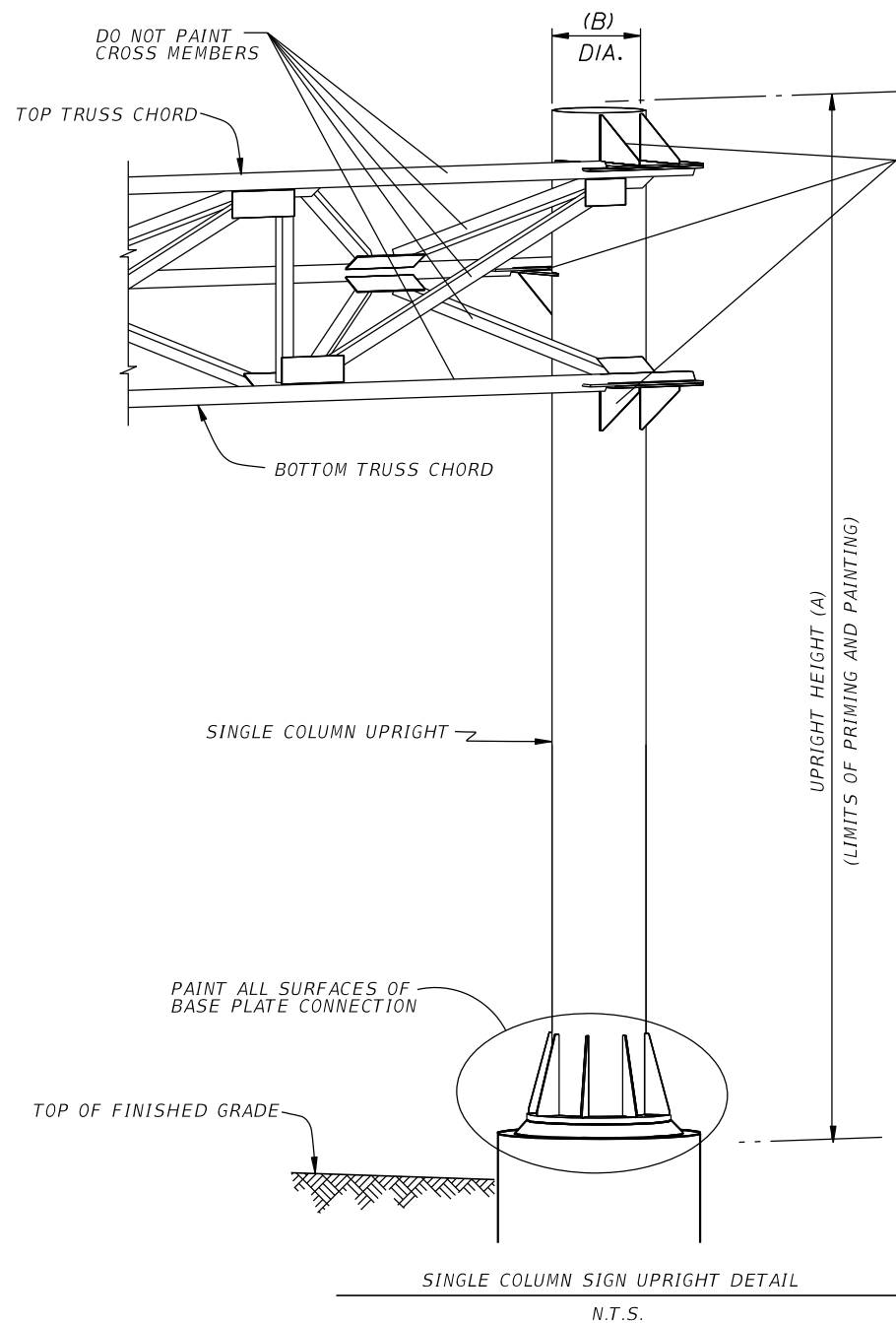
Provide 3/8" O all cotton sash cord as weep hole wick. Prior to grouting, attach cord to interior of the upright such that the end will extend beyond the grout. Locate in plan, midway between anchor bolts.



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

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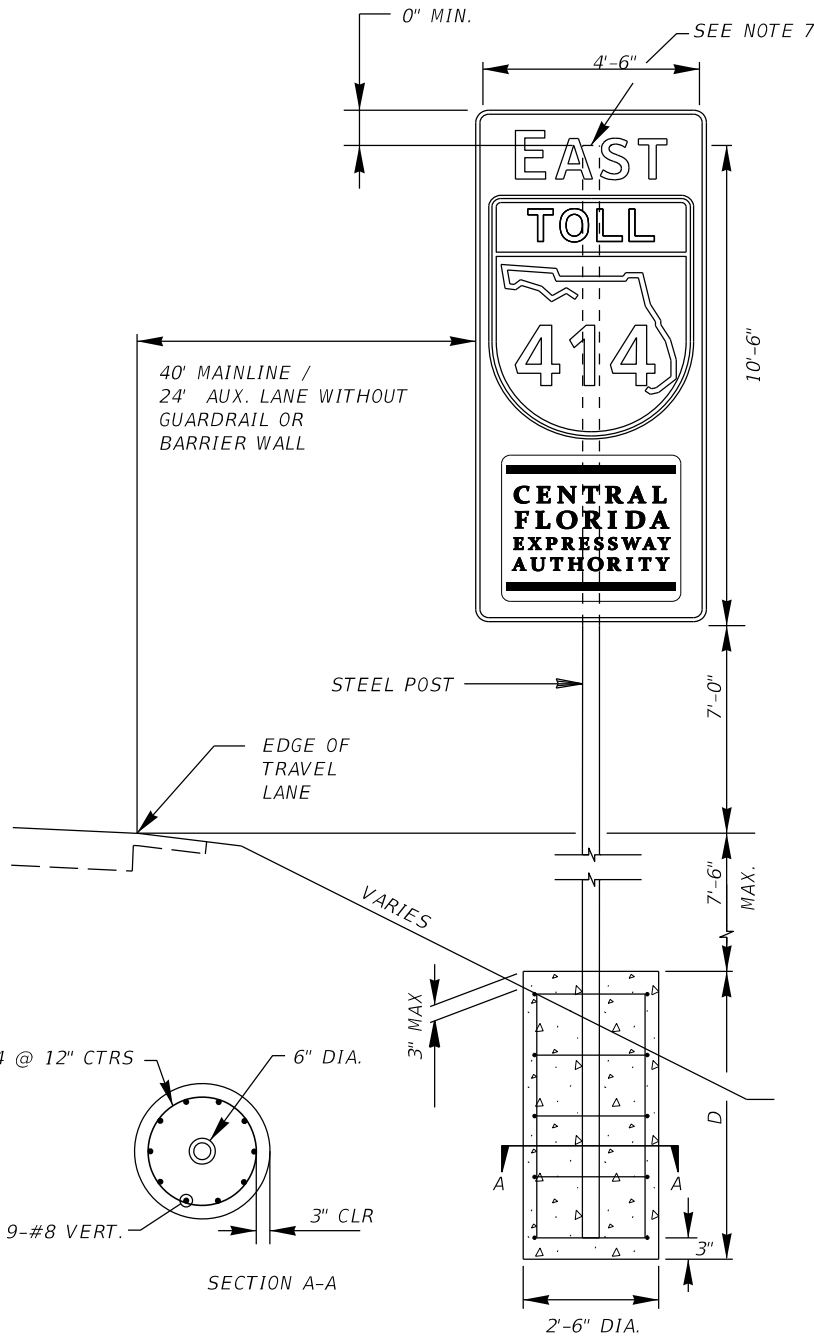
NOTES TO CONSULTANT:

- CONSULTANT SHALL DETERMINE ALL DATA IN TABLE OF VARIABLES IF NOT PROVIDED IN DESIGN OR SHOP DRAWINGS. DATA SHOWN IS FOR EXAMPLE PURPOSES ONLY.
- NUMBER OF DIAGONALS SHOWN IN DOUBLE COLUMN UPRIGHT DETAIL FOR GRAPHIC PURPOSES ONLY.
- 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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	SIGN UPRIGHT PAINTING	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	PROJECT NO.			78

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1. NOTES:

DESIGN SPECIFICATIONS: STANDARD SPECIFICATIONS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS. AASHTO LRFD, 1ST ED, 2018.
DESIGN WIND SPEED = 110 MPH

2. MATERIALS:

- A. STEEL ROUND POST SHALL CONFORM TO ASTM A500 GRADE B ($F_y = 42$ KSI), ROUND STD. WT. 5.563" \odot x 0.5" THK MINIMUM PLASTIC SECTION MODULUS OF $Z_x = 12.1$ IN³ (COMPACT SECTION) HOT DIPPED GALVANIZED PER ASTM A123.
- B. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
- C. CONCRETE SHALL BE CLASS II, $f'_c = 3400$ PSI IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 346

3. FOUNDATION: SEE GENERAL NOTES, FOUNDATION, IN INDEX 700-020.

4. SOIL PROPERTIES USED IN DESIGN:

- A. SOIL UNIT WEIGHT: 50 PCF
- B. SOIL INTERNAL FRICTION ANGLE: 30 DEGREES

5. SIGN ATTACHMENT BRACKETS SHALL BE IN ACCORDANCE WITH FDOT ROADWAY INDEX 700-101.

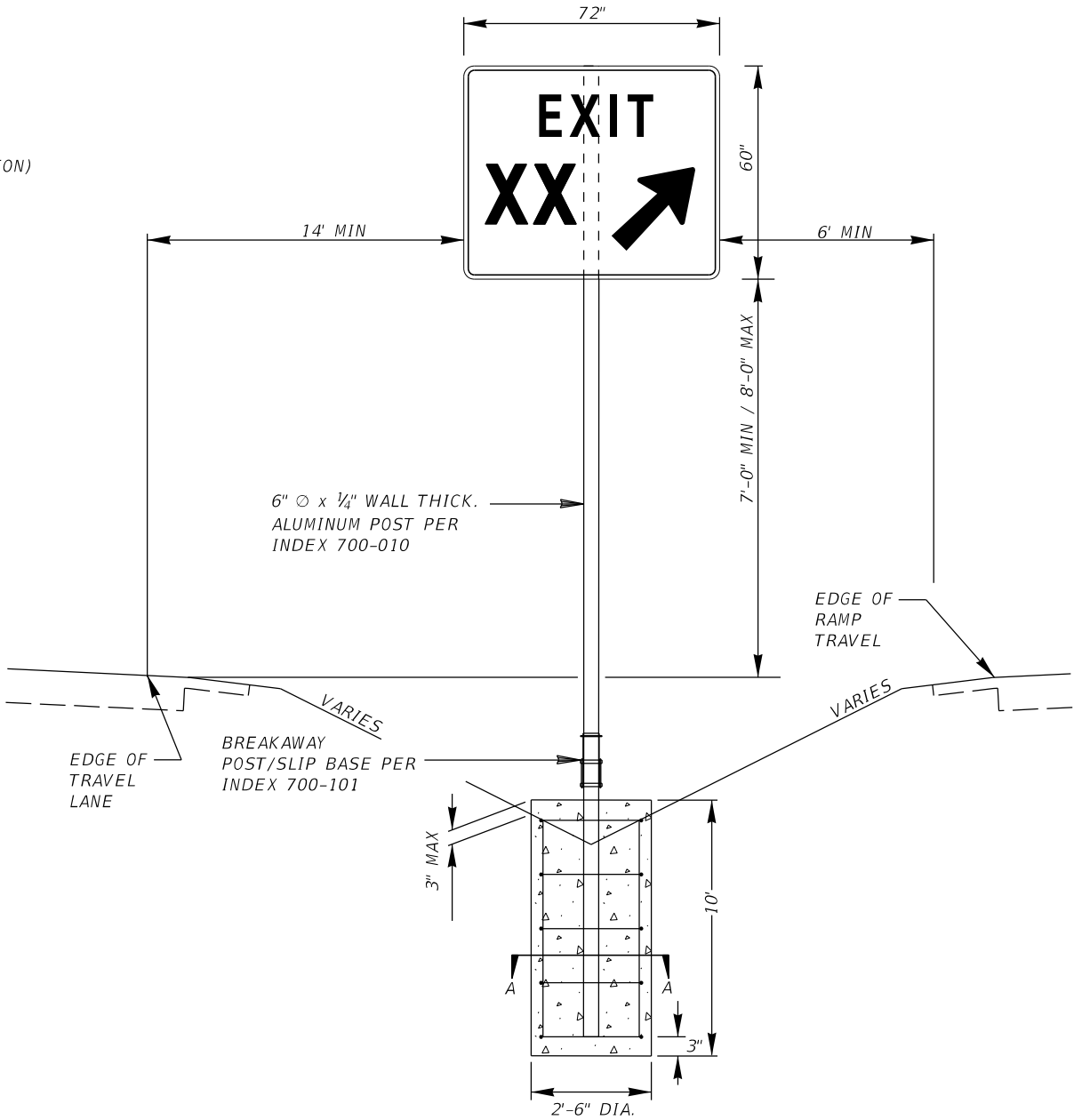
- RCM Sign 4'-6" x 10'-6" : 5 BRACKETS
E5-1A Sign 72" x 60" : 3 BRACKETS

6. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS FOR THE ASSEMBLY.

7. PROVIDE 1/4" THICK STEEL CAP ON TOP OF POST AND WELD AROUND TO THE POST.

8. FOUNDATION: CONTRACTOR MAY USE PRECAST FOUNDATION IN PRE-DRILLED HOLE A MINIMUM OF 12" LARGER THAN THE FOUNDATION INDICATED ON THE PLANS IN EITHER WET OR DRY CONDITIONS. THE HOLE SHALL BE CLEAN AND WITHOUT LOOSE MATERIAL. TEMPORARY CASING SHALL BE REQUIRED IF THE SOIL IS UNSTABLE. FILL THE VOID AROUND THE PRECAST FOUNDATION WITH FLOWABLE FILL MEETING THE REQUIREMENTS OF SECTION 121 OR CLEAN SAND PLACED USING HYDRAULIC METHODS. THE COST OF FLOWABLE FILL, INSTALLING AND REMOVAL OF CASING SHALL BE INCLUDED IN THE COST OF THE SIGN.

DIM	SLOPE $\geq 1:6$	SLOPE $\geq 1:2$
D	9'-6"	11'-0"



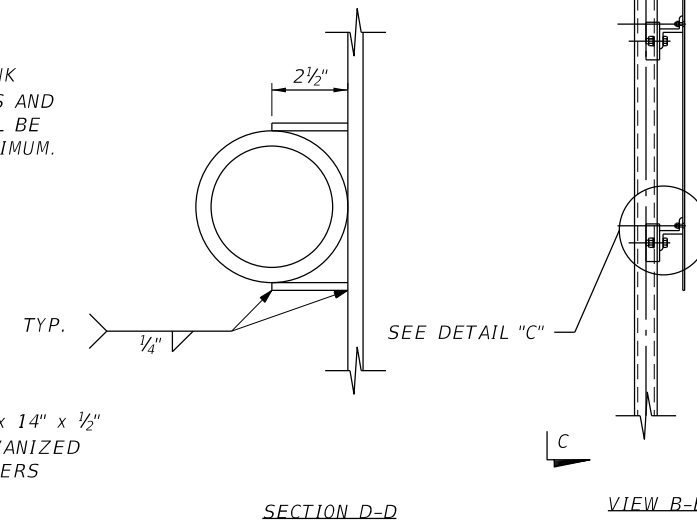
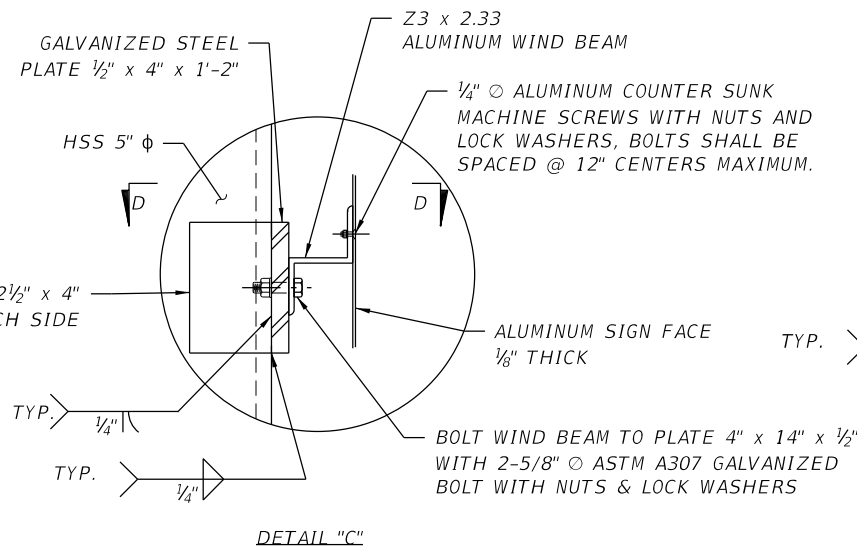
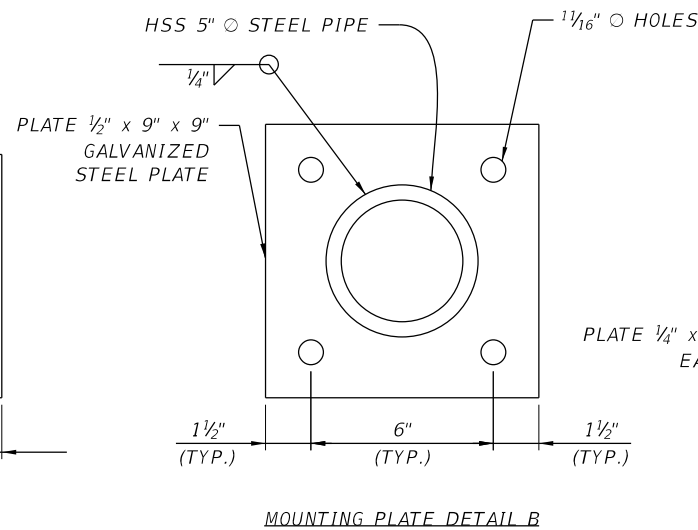
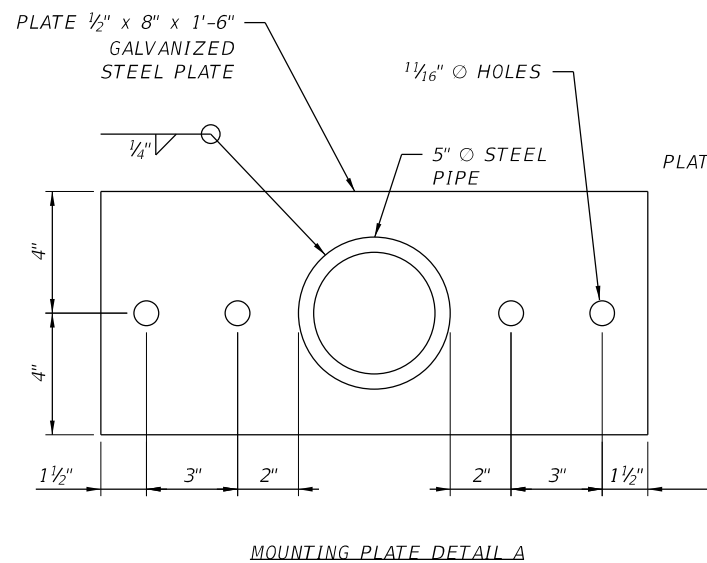
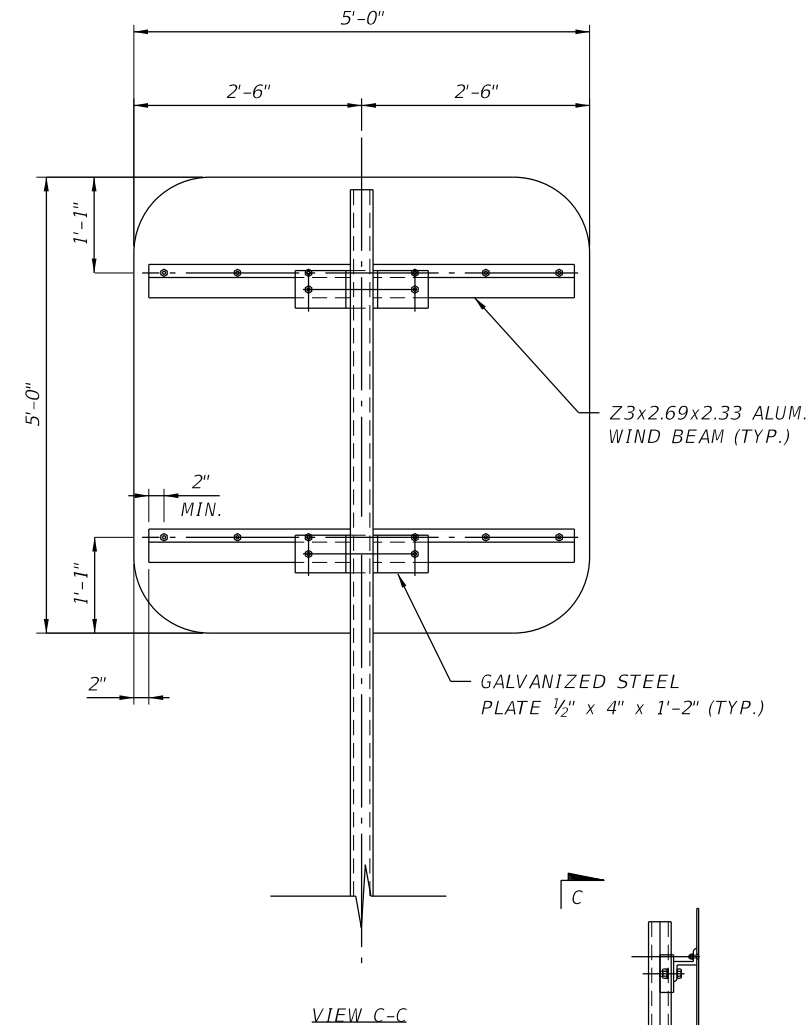
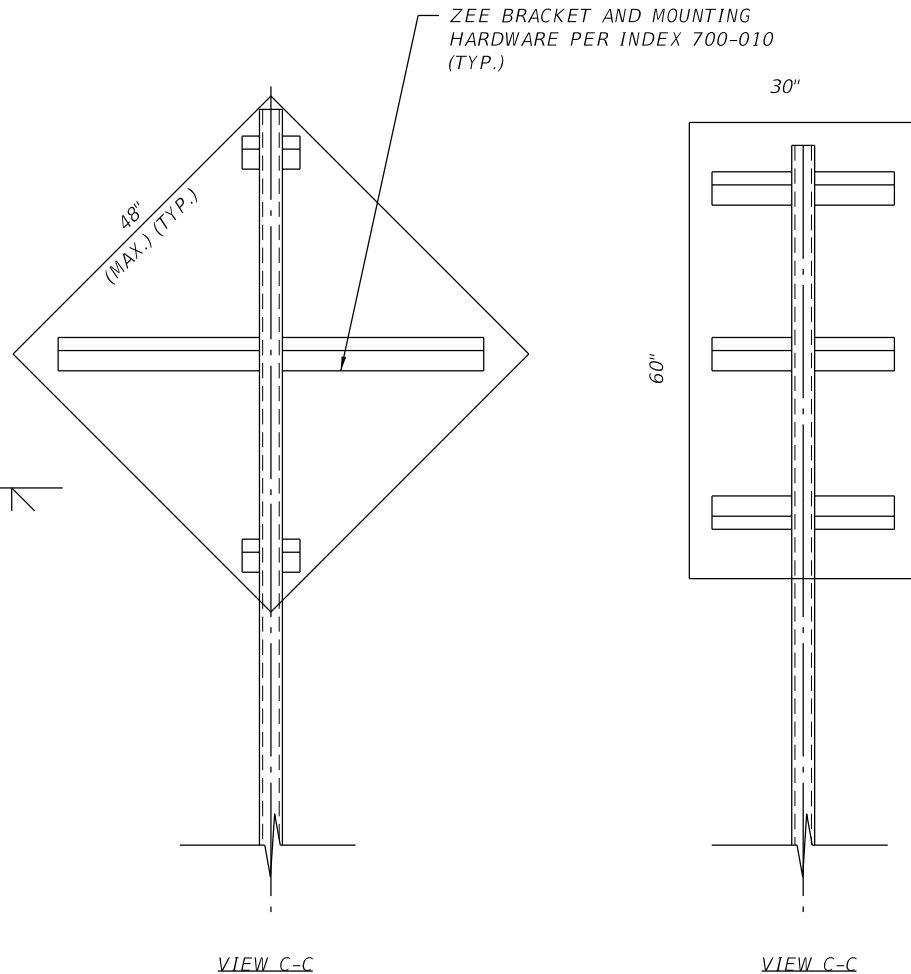
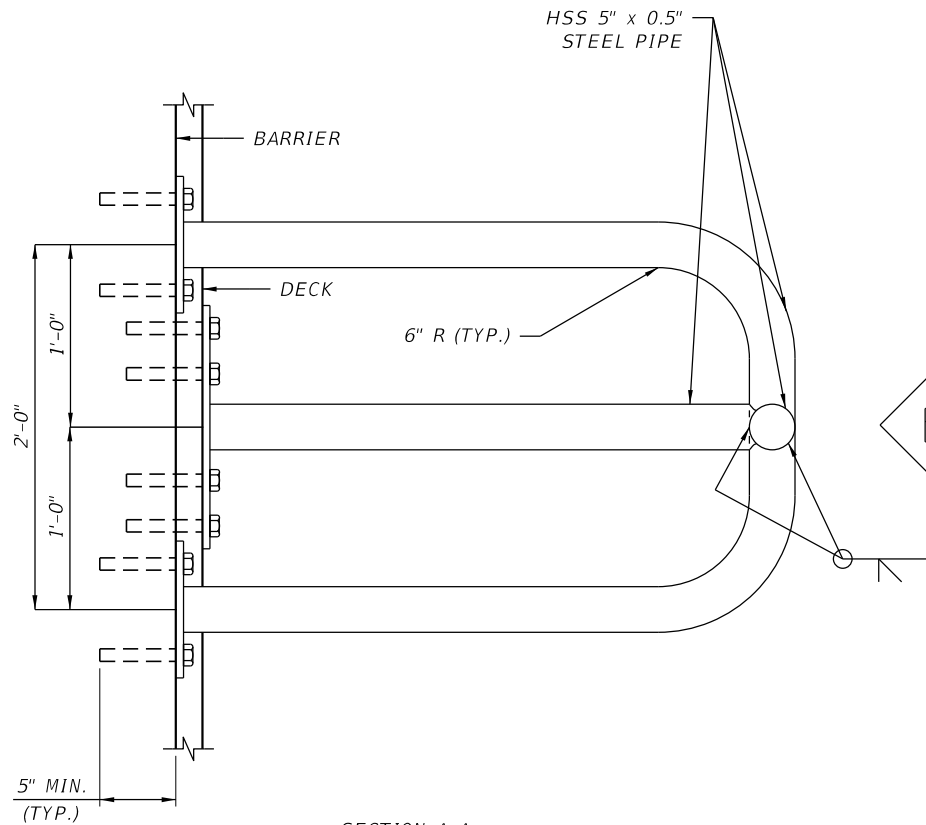
NOTES TO CONSULTANT:

1. STRUCTURAL DESIGN INFORMATION SHOWN IS FOR EXAMPLE PURPOSES ONLY. CONSULTANT IS FULLY RESPONSIBLE FOR PROJECT SPECIFIC STRUCTURE DESIGN(S). CONSULTANT SHALL DESIGN ROUTE CONFIRMATION MARKERS FOR SINGLE POST MOUNTING.
2. CONSULTANT TO REVISE CARDINAL DIRECTION AND SHOW ROUTE NUMBER SPECIFIC TO PROJECT.
3. CONSULTANT SHALL REVISE NOTE 1 TO INCLUDE APPLICABLE FDOT STRUCTURES MANUAL EDITION.
4. DELETE THIS BOX AND NOTES PRIOR TO INCLUDING SHEET IN PLANS.

NOTE:
TO ACCOMODATE PLACEMENT OF THE DRILLED SHAFT FOUNDATION FOR ANY SIGN STRUCTURES LOCATED ADJACENT TO MSE WALL, A 2'-6" DIAMETER GALVANIZED CORROGATED METAL PIPE SHALL BE PLACED IN THE FILL SLOPE AT THE LOCATION OF THE DRILLED SHAFT. THIS WILL ALLOW THE FOUNDATION TO BE INSTALLED WITHOUT DAMAGING THE MSE WALL STRAPS. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE COST OF THE CORRESPONDING SINGLE POST SIGN STRUCTURE. THE CONTRACTOR MAY PROPOSE ALTERNATE METHODS, AT NO ADDITIONAL COST, TO INSTALL THE DRILLED SHAFT FOUNDATION WITHOUT DAMAGING THE MSE WALL STRAPS.

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	ROUTE MARKER AND EXIT ASSEMBLY DETAILS		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.				
										79

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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	<i>BARRIER MOUNTED SIGN DETAILS (2 OF 2)</i>		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION								
					ROAD NO.	PROJECT NO.					
										82	

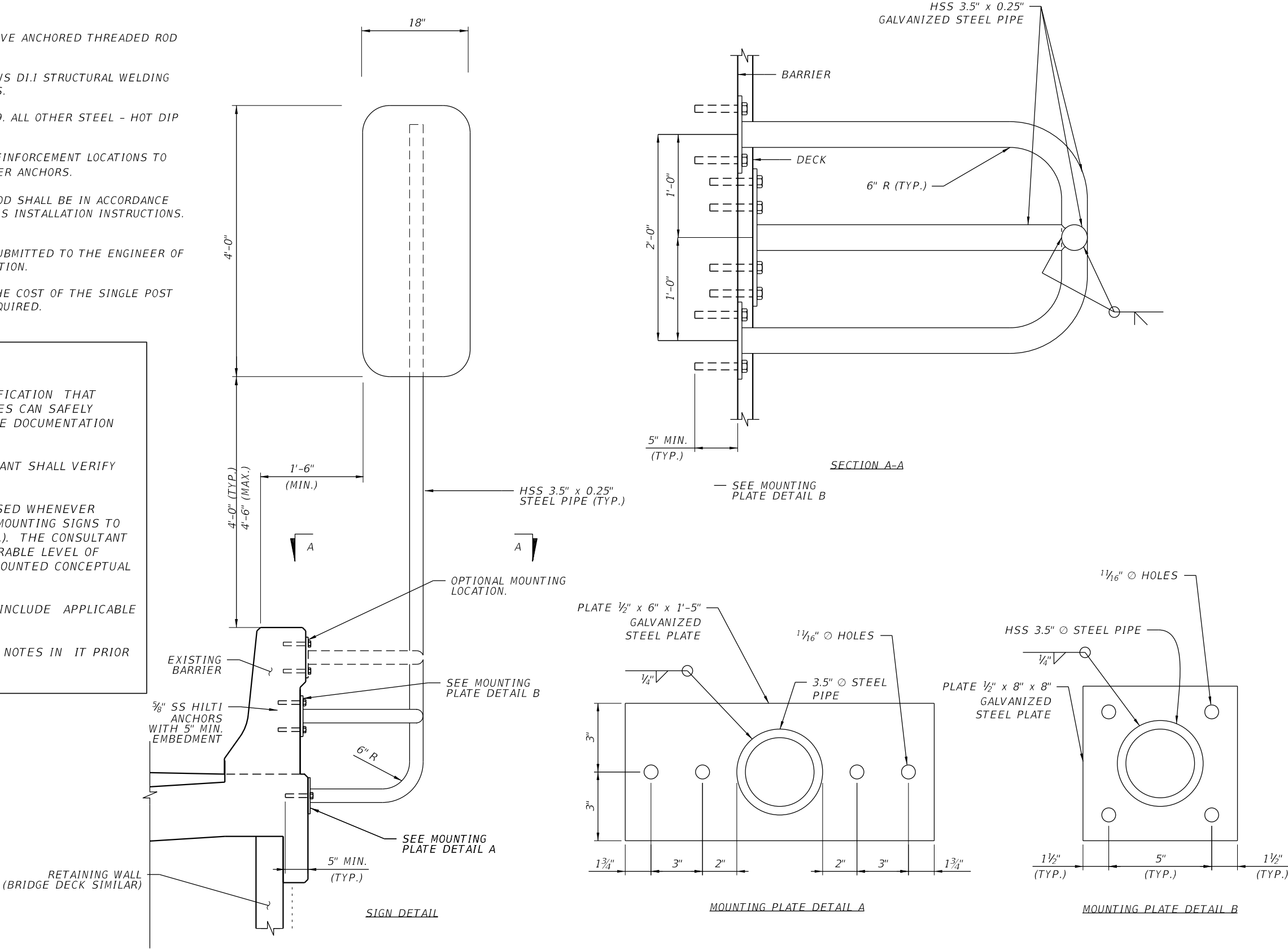
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NOTES:

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.

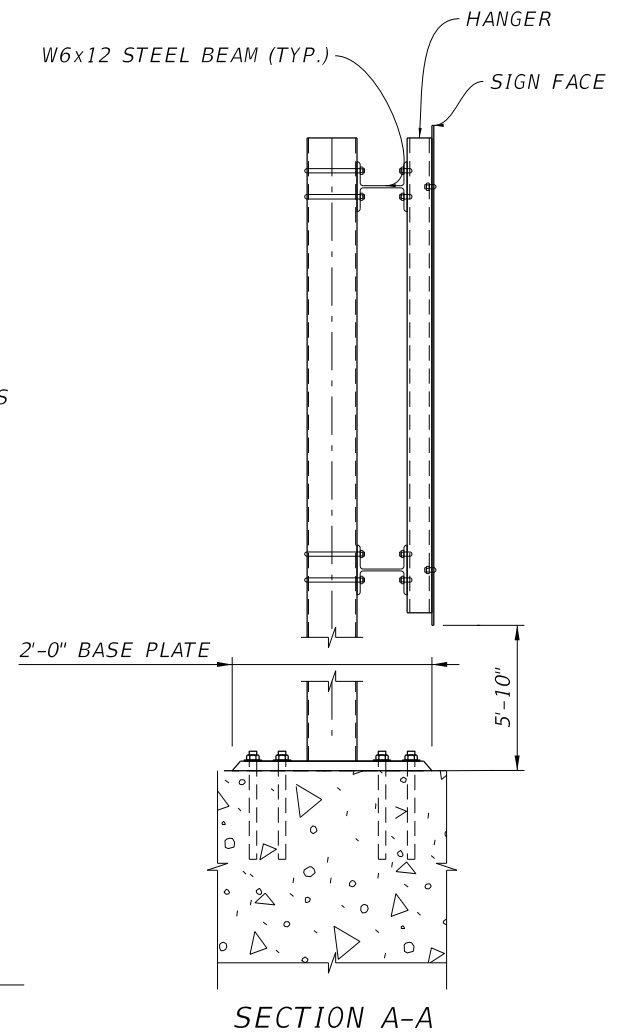
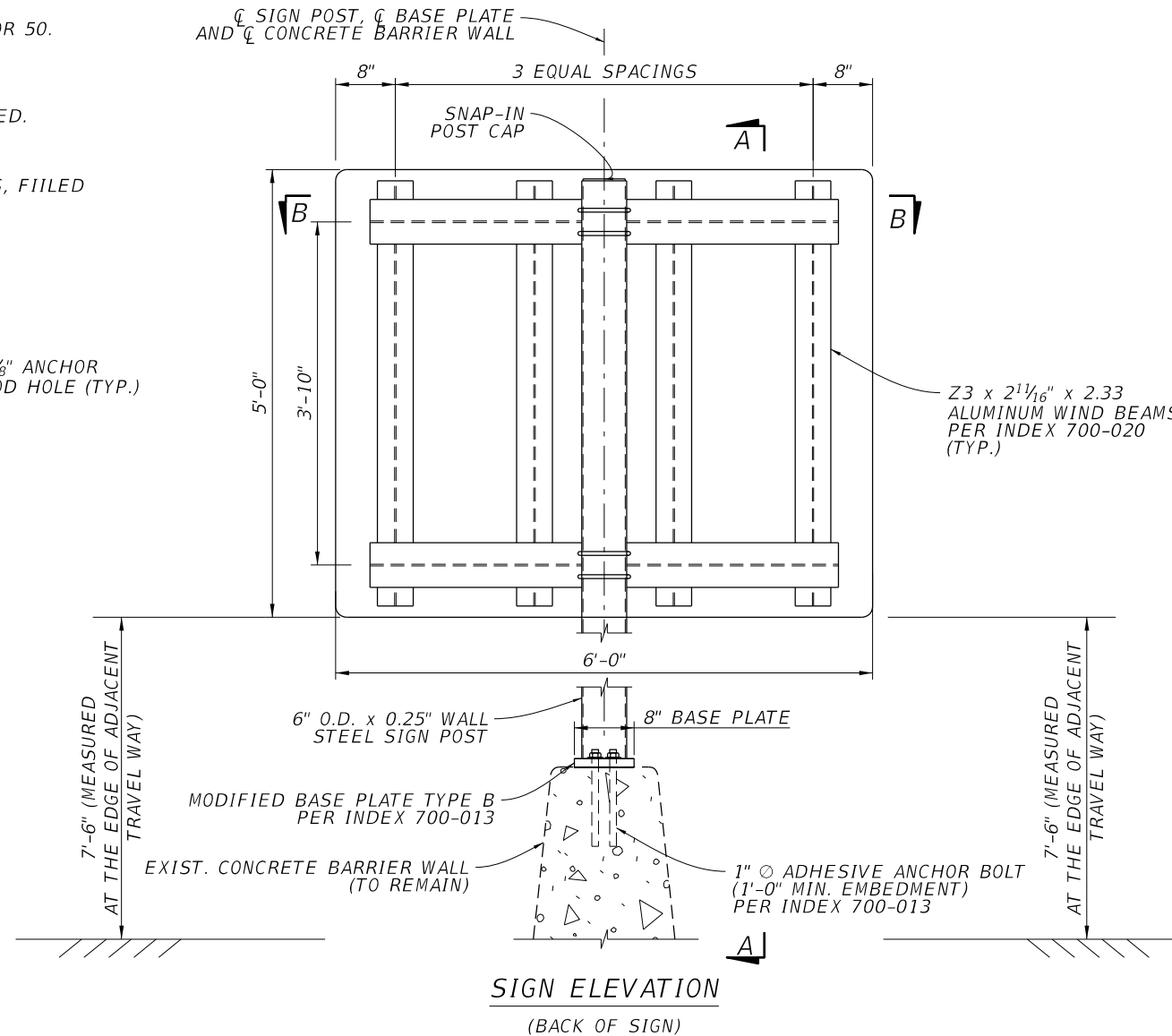
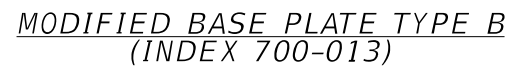
NOTES TO CONSULTANT:

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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	BRIDGE AND WALL MOUNT MILE POST DETAILS		SHEET NO.	
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.					
										83	

1. STEEL PIPE POST SHALL BE API-5L-X42 (42 KSI YIELD) GRADE B.
2. STEEL PLATE SHALL BE ASTM A709 GRADE 36.
3. EACH 1" \varnothing 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.
4. 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.
5. SUBMIT SHOP DRAWINGS TO THE EOR FOR APPROVAL.
6. THE COST OF MATERIALS, FABRICATION AND INSTALLATION OF THE SIGN SUPPORT STRUCTURE SHALL BE INCLUDED IN THE COST OF THE SIGN.
7. 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.
8. WELDED MATERIAL: E70XX.
9. 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.
10. SNAP-IN POST CAP: UV AND WEATHER RESISTANCE GLASS, FILLED POLYESTER CAP.

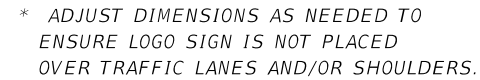


BARRIER WALL MOUNTED SIGN LOCATION	
SIGN	STATION (¢ CONST. SR XXX)
E5-1a	XXX+XX

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: 1px solid black; padding: 5px; text-align: center;"> CENTRAL FLORIDA EXPRESSWAY AUTHORITY </div>	<div style="text-align: center;"> <i>BRIDGE AND WALL MOUNT EXIT GORE SIGN</i> </div>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					


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

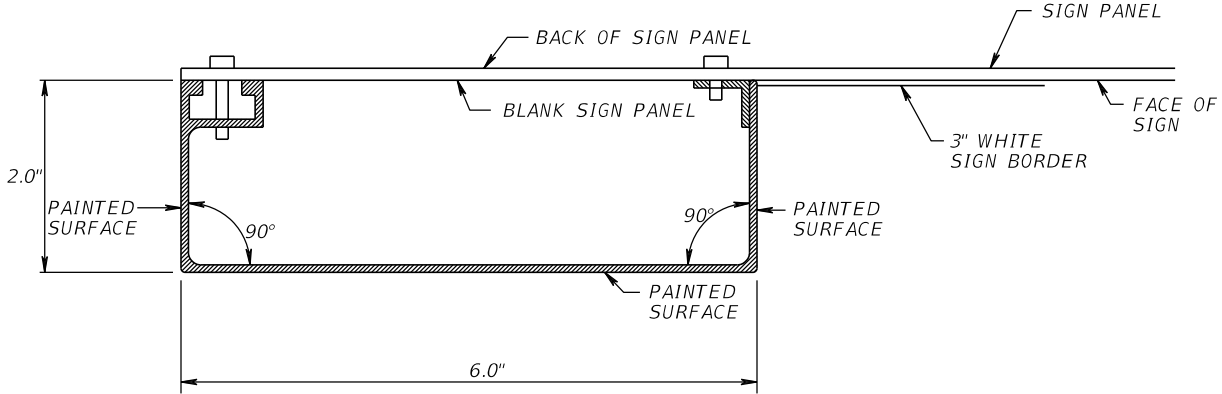


1. LOGO (L-2) SHALL BE USED AT ALL BRIDGE MOUNTING LOCATIONS.
2. PANEL SHALL BE MOUNTED FLUSH WITH BARRIER. CONTRACTOR SHALL BE RESPONSIBLE FOR MOUNTING AND SHALL SUBMIT SHOP DRAWINGS TO THE SIGNING AND PAVEMENT MARKING PLANS EOR AND CFX FOR APPROVAL PRIOR TO PANEL INSTALLATIONS.
3. SIGN PANEL TO BE 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-2)
BRIDGE MOUNTING LOCATIONS
(CROSSROADS)

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>BRIDGE MOUNTED</div> <div>LOGO INSTALLATION</div>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	PROJECT NO.			85

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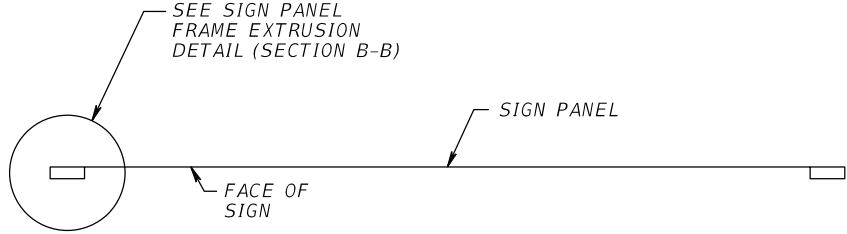
SIGN PANEL FRAME EXTRUSION DETAIL (TYP.)
SECTION B-B

BRIDGE MOUNTED SIGNS

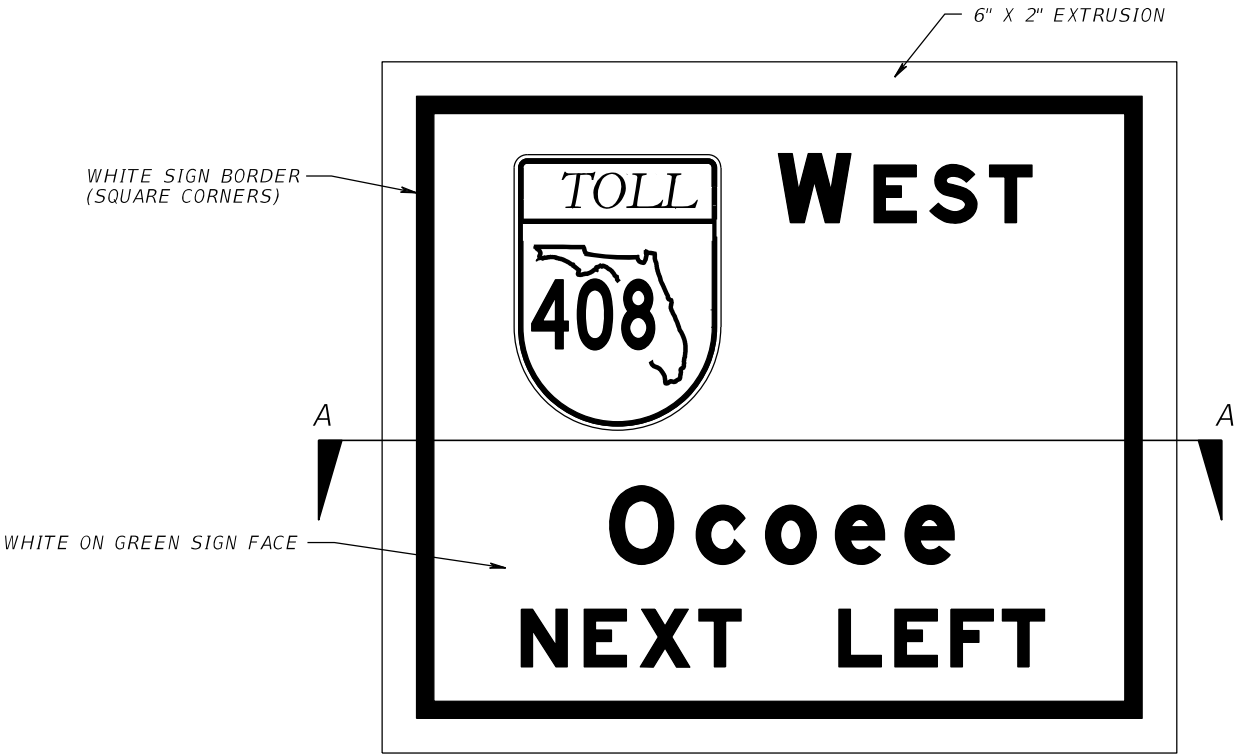
PRIOR TO FABRICATION OF THE BRIDGE MOUNTED SIGNS, THE SIGN FRAME CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND A SAMPLE OF THE FRAME MATERIAL, AND DETAILS FOR FABRICATION AND ATTACHMENT OF THE FRAME TO THE SIGN PANEL. THE FRAME SHALL BE A LIGHTWEIGHT METAL FRAME AND NOT WOODEN. THE FRAME SHALL BE PAINTED 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.



TOP VIEW
SECTION A-A



FRONT VIEW

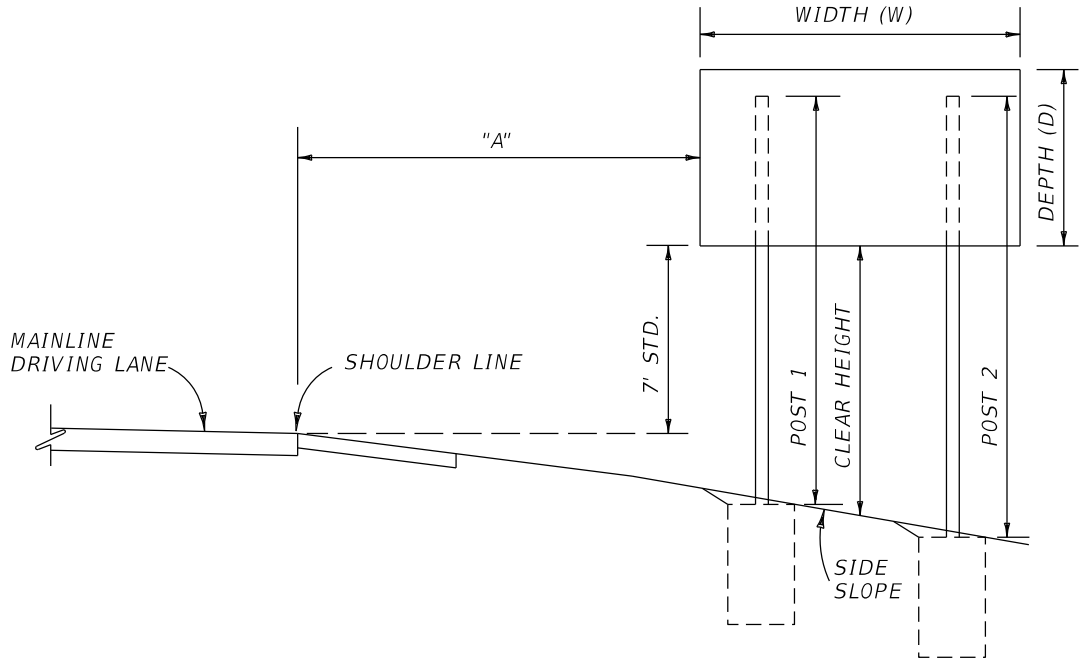
NOTES TO CONSULTANT:

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		CENTRAL FLORIDA EXPRESSWAY AUTHORITY	BRIDGE MOUNTED SIGN FRAME DETAIL		SHEET NO. 86
DATE	DESCRIPTION	DATE	DESCRIPTION							
					ROAD NO.	PROJECT NO.				

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MULTI-POST SIGN DATA									
HORIZONTAL CLEARANCE (A) (ft)	STATION	SIGN NO.	SIGN SIZE (D x W) (ft)	SIDE SLOPE (RISE:RUN)	CLEAR HEIGHT (ft)	NO. OF POSTS	AVERAGE LENGTH OF POSTS (ft)	STEEL POSTS	ALUMINUM I-BEAMS




TYPICAL SECTION FOR
PLACEMENT OF MULTI-POST SIGNS

NOTES:

- FOR ADDITIONAL DETAILS AND NOTES SEE FDOT STANDARD PLANS NOS. 700-020 AND 700-101.
- 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.
- CLEAR HEIGHT IS THE DISTANCE BETWEEN THE BOTTOM OF THE MAIN SIGN PANEL AND THE GROUND AT THE CENTER OF THE MAIN SIGN PANEL.
- AVERAGE LENGTH OF POSTS COLUMN IS APPLICABLE TO STEEL POSTS AND ALUMINUM BEAMS.
- SIGN ASSEMBLIES ARE DESIGNED FOR 130-170 MPH WIND SPEED AND SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRIES AND TRAFFIC SIGNALS, 2018 EDITION.

NOTES TO CONSULTANT:

- CONSULTANT SHALL INSERT APPLICABLE DESIGN WIND SPEED INTO NOTE 5 DEPENDING ON PROJECT LOCATION.
- CONSULTANT SHALL INSERT APPLICABLE DATE INTO NOTE 5 FOR THE SPECIFIED AASTHO PUBLICATION.
- 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			MULTI-POST SIGN TABLE OF VARIABLES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION						
					ROAD NO.	PROJECT NO.			87

