



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

March 12, 2024

CALL NO. 101
CONTRACT ID NO. 241005
ADDENDUM # 2

Subject: Fayette County, NHPP 0754 (067)
Letting March 21, 2024

- (1) Added - Plan Sheets - T001-T45
- (2) Revised - Plan Sheets - S45

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

Rachel Mills,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

SIGNING

ESTIMATE OF QUANTITIES

| ITEM | CODE NUMBER | UNIT | PROJECT | QUANTITY | | ITEM | CODE NUMBER | UNIT | PROJECT | QUANTITY | | TOTALS |
|--|-------------|--------|---------|----------|--|-------------------------------|-------------|------|---------|----------|--|--------|
| | | | | | | | | | | | | |
| GROUND MOUNTED SIGN SUPPORTS | | | | | | | | | | | | TOTALS |
| ⊕ TYPE A | 6400 | LBS. | 1,257 | | | OVERHEAD SIGN SUPPORTS ④ | | | | | | |
| ⊕ TYPE C | 6441 | LBS. | 2,715 | | | OSS GALV STEEL CANTILEVER MOD | 6201 | EACH | 1 | | | |
| FOOTINGS FOR SIGNS | | | | | | MISCELLANEOUS | | | | | | |
| CONCRETE - CLASS "A" FOR SIGNS | 6490 | CU.YD. | 17.8 | | | BARRIER MOUNTING BRACKET | 4904 | EACH | 8 | | | |
| REINFORCEMENT STEEL | 6491 | LBS. | 792 | | | ⑮ ROADWAY CROSS SECTION | 20419ND | EA | 7 | | | |
| SIGN BASE MATERIAL | | | | | | ⑯ BARCODE SIGN INVENTORY | 2463IEC | EA | 42 | | | |
| ALUMINUM | | | | | | | | | | | | |
| ② PANEL SIGNS | 6405 | SQ.FT. | 3009.95 | | | | | | | | | |
| SHEETING SIGNS | | | | | | | | | | | | |
| 0.080 GAUGE | 6406 | SQ.FT. | 63 | | | | | | | | | |
| 0.125 GAUGE | 6407 | SQ.FT. | 380 | | | | | | | | | |
| STEEL POST ③④ | | | | | | | | | | | | |
| TYPE I | 6410 | LN.FT. | 626 | | | | | | | | | |
| ⑤ TYPE D | 21596ND | EACH | 6 | | | | | | | | | |
| REMOVAL ITEMS ⑥⑦ | | | | | | | | | | | | |
| REMOVE OVERHEAD SIGN SUPPORT STRUCTURE | 6449 | EACH | 1 | | | | | | | | | |
| ⑨ REMOVE OVERHEAD SIGN SUPPORT STRUCTURE CONCRETE BASE | 6450 | EACH | 1 | | | | | | | | | |
| ⑩ REMOVE SIGN SUPPORT BEAMS | 6451 | EACH | 1 | | | | | | | | | |
| ⑪ REMOVE SIGN | 21373ND | EACH | 1 | | | | | | | | | |
| ⑬ REMOVE AND RELOCATE SIGN | 20418ED | EACH | 3 | | | | | | | | | |

NOTES :

- (1) PAYMENT FOR GROUND MOUNTED SIGN SUPPORTS TYPE A AND TYPE C SHALL BE BASED ON THE NOMINAL WEIGHT OF THE BEAMS, THE NECESSARY GALVANIZING, HARDWARE, ETC. IS TO BE CONSIDERED INCIDENTAL. QUANTITIES FOR TYPE C SUPPORTS SHALL INCLUDE ALL NECESSARY HARDWARE TO FORM COMPLETE BREAK-AWAY BEAMS. SEE PANEL SIGN DETAIL SHEET.
- (2) QUANTITY SHALL INCLUDE ALL COPY AND HARDWARE NECESSARY TO FORM COMPLETE SIGNS. NO DEDUCTION IN AREA IS TO BE MADE FOR ROUNDING OF CORNERS.
- (3) QUANTITY IS ESTIMATED. THE EXACT LENGTH SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- (4) WHERE REQUIRED, BRACING FOR SHEETING SIGNS SHALL BE INCIDENTAL TO STEEL POST. SEE SHEETING SIGN DETAIL SHEET.
- (5) QUANTITY SHALL INCLUDE ALL MATERIAL NECESSARY TO FORM A COMPLETE BREAK-AWAY ASSEMBLY. TYPE I POSTS AND CONCRETE SHALL BE PAID SEPARATELY. SEE SHEETING SIGN DETAIL SHEET.
- (6) ALL MATERIALS REMOVED AND NOT REUSED, SUCH AS SIGNS, SIGN LIGHTS, SIGN SUPPORTS, ETC. SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- (7) ALL EXISTING SIGNS WITHIN PROJECT LIMITS ARE TO BE REMOVED AT THE TIME OF THEIR REPLACEMENT OR AS NECESSARY PER PLAN SHEETS. THE REMOVAL OF ALL TYPE I OR II POSTS AND ALL SHEETING SIGNS SHALL BE INCIDENTAL TO THE PROJECT WITH NO ADDITIONAL PAYMENT BEING ALLOWED. ALL MATERIAL SHALL BE STORED IN ACCORDANCE WITH NOTE (6) ABOVE.
- (8) ALL EXISTING PANEL SIGNS ARE TO BE REMOVED AND TEMPORARILY RELOCATED AND MAINTAINED AS CONSTRUCTION REQUIRES. THE MAINTENANCE AND RELOCATION OF PANEL SIGNS IS INCIDENTAL TO THE PROJECT.
- (9) WHERE THE REMOVAL OF OVERHEAD STRUCTURE CONCRETE BASE IS CALLED FOR, THE BASE IS TO BE REMOVED TO A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE. BACKFILLED TO EXISTING GROUND LINE, AND THE DISTURBED AREAS RESEDED.
- (10) QUANTITY INCLUDES INSTALLATION OF MEDIAN BARRIER IN AREAS WHERE REMOVED STRUCTURE CONCRETE BASES ARE SERVING AS MEDIAN BARRIER.
- (11) WHERE THE REMOVAL OF BEAM SIGN SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT (1') BELOW EXISTING GROUND LINE OR THE ENTIRE BEAM AND CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO EXISTING GROUND LINE.
- (12) QUANTITY IS FOR EXISTING PANEL SIGNS THAT ARE TO BE REMOVED AND NOT REPLACED WITH A NEW IDENTICAL OR SIMILAR SIGN WITHIN PROJECT LIMITS. ALL OTHER SIGN REMOVALS AS SHOWN IN PLANS ARE INCIDENTAL TO THE PROJECT.
- (13) QUANTITY INCLUDES REMOVAL AND RELOCATION OF SERVICE SIGNS.
- (14) QUANTITY SHALL INCLUDE W-BARS AND ALL HARDWARE NECESSARY FOR ATTACHING SIGNS TO SUPPORTS.
- (15) CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AT THE PANEL SIGN LOCATION. A CROSS SECTION SHALL BE DEVELOPED TO VERIFY BEAM LENGTHS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. BEAM LENGTHS SHOWN IN THE PLANS ARE FOR INFORMATION ONLY.
- (16) FOR SHEETING SIGNS. SEE SIGNING SPECIFICATION SHEETS.
- (17) FOR THESE PLANS, *BACK TO BACK* SHALL MEAN TWO SHEETS MOUNTED ON THE SAME ASSEMBLY.
- (18) THE CONTRACTOR SHALL CONTACT AND SEND SHOP DRAWINGS OF ALL CUSTOM SIGNS TO KYTC DISTRICT 7 TRAFFIC FOR APPROVAL PRIOR TO MANUFACTURING.
- (19) CONTRACTOR MUST CONTACT KYTC DISTRICT 7 TRAFFIC AT 859-246-2355 FOR ROADWAY LIGHTING UTILITY LOCATES AND TO CONTACT LEXINGTON FAYETTE URBAN COUNTY GOVERNMENT (LFUCG) AT 859-425-2255 FOR ROADWAY FIBER/SIGNAL LOCATES.

SCALE: 1"=

SIGNING QUANTITY SHEET

THE FOLLOWING PUBLICATIONS ARE APPLICABLE TO THE WORK DESCRIBED HEREIN:

- KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION)
- STANDARD HIGHWAY SIGNS AND MARKINGS (CURRENT EDITION) -- FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) -- FEDERAL HIGHWAY ADMINISTRATION

SCOPE OF WORK

TO FURNISH, FABRICATE AND ERECT IN PLACE ALL MATERIALS NECESSARY TO FORM COMPLETED SIGNS AS INDICATED AT LOCATIONS DESCRIBED ELSEWHERE IN THESE PLANS. NEW SIGNS ARE TO BE INSTALLED AT EXISTING LOCATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

SIGN SUBSTRATES

SIGN SUBSTRATES SHALL CONFORM TO SECTION 833 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. PANEL SIGNS SHALL BE LABELED AS P-#, SHEETING SIGNS SHALL BE LABELED AS S-#.

SIGN MATERIALS

SIGN SHEETING:

SIGN SHEETING SHALL CONFORM TO SECTION 830 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. ONLY SHEETING ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED.

ALL RETROREFLECTIVE MATERIALS SHALL BE FABRICATED AND ASSEMBLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.

PERMANENT SIGNS AND SIGN COMPONENTS SHALL BE FABRICATED USING TYPE XI SHEETING:

- THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT YELLOW SHEETING:
- HORIZONTAL ALIGNMENT SIGNS AND PLAQUES
 - ALL ADVISORY SPEED PLAQUES
 - WARNING MESSAGES ON PANEL SIGNS

THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT YELLOW-GREEN SHEETING:

- ALL SCHOOL AND SCHOOL BUS WARNING SIGNS,
- BICYCLE WARNING SIGNS AND "SHARE THE ROAD" PLAQUES OR DIAGONAL DOWNWARD POINTING ARROW PLAQUES THAT SUPPLEMENT BICYCLE WARNING SIGNS,
- PEDESTRIAN WARNING SIGNS AND DIAGONAL DOWNWARD POINTING ARROW PLAQUES THAT SUPPLEMENT PEDESTRIAN WARNING SIGNS
- IN-STREET PEDESTRIAN CROSSING (RI-6) SIGNS AND OVERHEAD PEDESTRIAN CROSSING (RI-9) SIGNS
- SUPPLEMENTAL PLAQUES TO ANY OF THE PREVIOUSLY LISTED FLUORESCENT YELLOW-GREEN SIGNS LISTED ABOVE

ALL OTHER PERMANENT SIGNS (INCLUDING THE BACKGROUNDS OF PANEL SIGNS) SHALL BE FABRICATED USING TYPE XI SHEETING.

LETTERS, SYMBOLS, AND BORDERS:

PANEL OVERLAY SECTIONS SHALL BE AFFIXED WITH A "POP" RIVET WITH A MINIMUM DIAMETER OF 3/16 INCH, AND THE LENGTH SHALL BE AS NECESSARY TO PROPERLY APPLY COPY IN A WORKMANLIKE MANNER.

HARDWARE:

ALL HARDWARE FOR THE ASSEMBLY OF PANEL SIGNS AND THE ATTACHMENT OF THESE SIGNS TO THEIR SUPPORTS SHALL BE AS RECOMMENDED BY THE PANEL MANUFACTURER. PLACEMENT OF POST CLIP SHALL BE AS SHOWN ON THE SIGNING MISCELLANEOUS DETAIL SHEET.

ALL HARDWARE FOR THE ERECTION OF SHEETING SIGNS SHALL BE CADMIUM PLATED STEEL IN ACCORDANCE WITH ASTM B-776 AND ASTM A-307.

NOTES:

STANDARD ALPHABETS SHALL BE USED FOR ALL LEGENDS ON PANEL GUIDE SIGNS.

SIGNING SPECIFICATION NOTES

GROUND-MOUNTED SIGN SUPPORTS

GENERAL:

ALL SIGNS SHALL BE POSITIONED AS SHOWN ON THE POSITIONING DETAIL SHEET. ALL BEAMS AND POSTS SHALL BE OF SUFFICIENT LENGTHS TO EXTEND FROM THE TOP OF THE SIGN TO THE REQUIRED BASE EMBEDMENT. EXISTING I-BEAMS ON WHICH SHEETING SIGNS ARE ATTACHED SHALL BE REMOVED AND REPLACED WITH TYPE I OR TYPE II POSTS, UNLESS THEY ARE LOCATED BEHIND GUARDRAIL.

BEAMS:

ALL BEAMS SHALL BE EITHER TYPE "A" (STANDARD BEAM INSTALLATION) OR TYPE "C" (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). TYPE "A" BEAMS ARE SHOWN ON THE PANEL SIGN DETAIL SHEET, AND THE TYPE "C" BEAMS ARE SHOWN ON THE BREAKAWAY SIGN SUPPORT SYSTEM FOR "C" BEAM SHEET. ONLY BREAKAWAY (TYPE "C") BEAM SUPPORT SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. THE TYPE AND SIZE OF BEAM TO BE USED SHALL BE INDICATED FOR EACH PANEL SIGN ON THE SIGN DETAIL SHEETS. BEAM LENGTHS INCLUDED IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AT EACH SIGN LOCATION AND CROSS SECTIONS SHALL BE DEVELOPED TO VERIFY BEAM LENGTHS, WITH ANY DISCREPANCIES BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

STEEL POSTS:

TYPE I STEEL POSTS SHALL BE EITHER STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER, OR TYPE "D" (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). ONLY BREAKAWAY TYPE "D" POST SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. BRACING, IF REQUIRED, SHALL BE INCIDENTAL TO TYPE I POST.

TYPE II POST SHALL BE STANDARD INSTALLATION IN SOIL WITH A SOIL STABILIZER. INSTALLATION PROCEDURES AND BRACING REQUIREMENTS ARE DETAILED ON THE SHEETING SIGN DETAIL SHEET.

ALL STEEL POSTS SHALL MEET THE REQUIREMENTS OF SECTION 832 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

MILEPOST MARKERS AND ENHANCED REFERENCE MARKERS

MILEPOST MARKERS AND ENHANCED REFERENCE LOCATION SIGNS SHALL CONFORM TO THE GENERAL REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION). ADDITIONAL REQUIREMENTS ARE GIVEN ON THE SIGNING POSITIONING DETAIL SHEET AND ENHANCED REFERENCE LOCATION SIGNS DETAIL SHEET.

FOR THE LOUISVILLE AREA, FINAL LOCATION OF ENHANCED REFERENCE LOCATION SIGNS SHALL BE VERIFIED BY TRIMARC. NOTIFY A REPRESENTATIVE OF TRIMARC AT LEAST TWO WEEKS IN ADVANCE OF BEGINNING WORK ON THIS ITEM:

- 901 WEST MAIN STREET
- LOUISVILLE, KY 40202
- 502-587-6624
- 270-307-7456

MEDIAN CROSSOVER SIGNS

THE CONTRACTOR SHALL INSTALL 48" X 48", "NO U TURN" SIGNS (R3-4) AT EACH MEDIAN CROSSOVER. THIS IS TO BE DONE WHETHER ALL NEEDED INSTALLATIONS ARE MENTIONED IN THE FOLLOWING SHEETS OR NOT. AT CROSSOVERS ON MEDIANS SIXTY FEET (60') WIDE OR LESS, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON THE SAME POSTS IN THE CENTER OF THE MEDIAN, ONE FACING TRAFFIC IN EACH DIRECTION. AT CROSSOVERS ON MEDIANS OVER SIXTY FEET (60') WIDE, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON SEPARATE POSTS AT THE MEDIAN SHOULDER ON THE FAR SIDE OF THE CROSSOVER, ONE FACING TRAFFIC IN EACH DIRECTION. FOR ADDITIONAL GUIDANCE, SEE SEPTIA DRAWING FOR FLEXIBLE DELINEATOR POST ARRANGEMENT FOR INTERCHANGE RAMP AND CROSSOVERS.

CONCRETE BASES

ALL CONCRETE BASES SHALL BE OF CLASS "A" CONCRETE FOR SIGNS AND SHALL BE AS SHOWN ELSEWHERE IN THESE PLANS. EXCAVATION NECESSARY TO CONSTRUCT BASES AND FOOTINGS IS INCIDENTAL TO THE COST OF CLASS "A" CONCRETE FOR SIGNS.

CONCRETE BASES (CONTINUED)

WHERE THE REMOVAL OF OVERHEAD STRUCTURE CONCRETE BASE IS CALLED FOR, THE BASE IS TO BE REMOVED TO A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE, BACKFILLED TO EXISTING GROUND LINE, AND THE DISTURBED AREAS RESEDED.

WHERE THE REMOVAL OF BEAM SIGN SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT (1') BELOW EXISTING GROUND LINE OR THE ENTIRE BEAM AND CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO EXISTING GROUND LINE.

SAMPLES, TESTING, ETC.

BEFORE BEGINNING INSTALLATION, THE CONTRACTOR SHALL FURNISH TO THE PROJECT ENGINEER DRAWINGS, DESCRIPTIONS, MANUFACTURER'S CUTS ETC. FOR WRITTEN APPROVAL OF ALL MATERIALS TO BE USED. MILL TEST REPORTS FOR BEAMS, STEEL PANELS, AND EACH DIFFERENT GAUGE OF ALUMINUM OR STEEL SHEETING USED MUST BE SUBMITTED TO THE DIVISION OF CONSTRUCTION AND APPROVED PRIOR TO ERECTION.

MISCELLANEOUS

THE COST FOR REMOVING EXISTING PANEL SIGNS SHALL BE INCIDENTAL TO THE COST OF THE PROJECT WHERE BEING REPLACED WITH IDENTICAL/SIMILAR SIGN.

ON SHEETING SIGNS WHERE THERE ARE MORE THAN ONE SIGN ASSEMBLY MOUNTED BESIDE EACH OTHER, THE POSTS SHALL BE SPACED TO PROVIDE APPROXIMATELY SIX INCHES (6") OF SPACING BETWEEN SIGNS.

CLEARING AND GRUBBING, AND TREE TRIMMING, WHEN REQUIRED FOR CONSTRUCTION OR VISIBILITY OF SIGNS, SHALL BE INCIDENTAL TO THE CONTRACT.

SIGN COVERING IS NOT RECOMMENDED. HOWEVER, IF IT IS ABSOLUTELY NECESSARY TO COVER THE SIGN FACE TEMPORARILY FOLLOWING ERECTION, USE CAUTION SINCE SOME COVERINGS MAY CAUSE PERMANENT DAMAGE TO THE SIGN FACE FOLLOWING EXPOSURE TO MOISTURE, SUNLIGHT, ETC. POROUS CLOTH OR GEOTEXTILE FABRIC COVERS WHICH ARE FOLDED OVER THE SIGN EDGES AND SECURED AT THE BACK OF THE SIGN HAVE BEEN USED SUCCESSFULLY FOR LIMITED PERIODS. DO NOT USE TAPE, PAPER, PLASTIC, OR SHEET METAL COVERS. ANY SIGNS THAT ARE DAMAGED AS A RESULT OF COVERING SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

TYPE I AND II STEEL POSTS IN SOIL SHALL BE DRIVEN 32" TO 34" BELOW THE GROUND LINE AS SHOWN. HOWEVER, IF SOLID ROCK IS ENCOUNTERED, THE CONTRACTOR SHALL DRILL HOLES OF THE REQUIRED DEPTH INTO THE ROCK AND BACKFILL WITH CONCRETE. THE COST SHALL BE INCIDENTAL TO STEEL POST, AND SOIL STABILIZERS WILL NOT BE REQUIRED.

ANY AREA DISTURBED SHALL BE SIDE GRADED TO THE EXISTING SLOPES AND RESEDED AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE DEPARTMENT.

REMOVE AND DO NOT REPLACE THE WHITE ON BLUE GENERAL SERVICES SIGNS AT THE EXIT RAMP TERMINALS, "EMERGENCY STOPPING ONLY" SIGNS, AND THE ROUTE MARKER THAT IS LOCATED INSIDE THE INTERCHANGE PAST THE EXIT GORE AREA.

INSTALLATION OF ADVISORY EXIT AND RAMP SPEED SIGNS (W13-2 AND W13-3) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

ALL EXISTING SHEETING SIGNS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REMOVED AND REPLACED WITH NEW SIGNS AND POSTS. SIGNS AND POSTS SHALL CONFORM TO CURRENT STANDARDS/SPECIFICATIONS. THE COST FOR REMOVING EXISTING SHEETING SIGNS AND POSTS, RELOCATING EXISTING SIGNS AND POSTS TO CONFORM TO THE SIGNING PLANS AND SPECIFICATIONS, AND ALL HARDWARE REQUIRED, SHALL BE INCIDENTAL TO THE PROJECT. IN ADDITION TO REPLACING ALL EXISTING SIGNS, ALL SIGNS SHOWN ON THE SIGNING PLANS MUST BE INSTALLED. FOR SIGN SIZES AND SPECIFICATIONS, SEE THE CURRENT PROJECT SIGNING PLAN DETAIL SHEETS.

THE COST FOR SIGN BRACKETS AND ANY OTHER HARDWARE REQUIRED TO ATTACH NEW SIGNS ON EXISTING TRUSSES AND CANTILEVERS SHALL BE INCLUDED IN THE UNIT PRICE OF SIGN BASE MATERIAL FOR PANEL SIGNS.

DUPLICATE SIGNS SHALL NOT BE DISPLAYED DURING THE CONSTRUCTION OF THIS PROJECT. SHEETING SIGNS (DI-1, DI-2, DI-3) EQUAL TO OR LESS THAN 72" X 42" REQUIRE TWO TYPE I OR TYPE II POSTS.

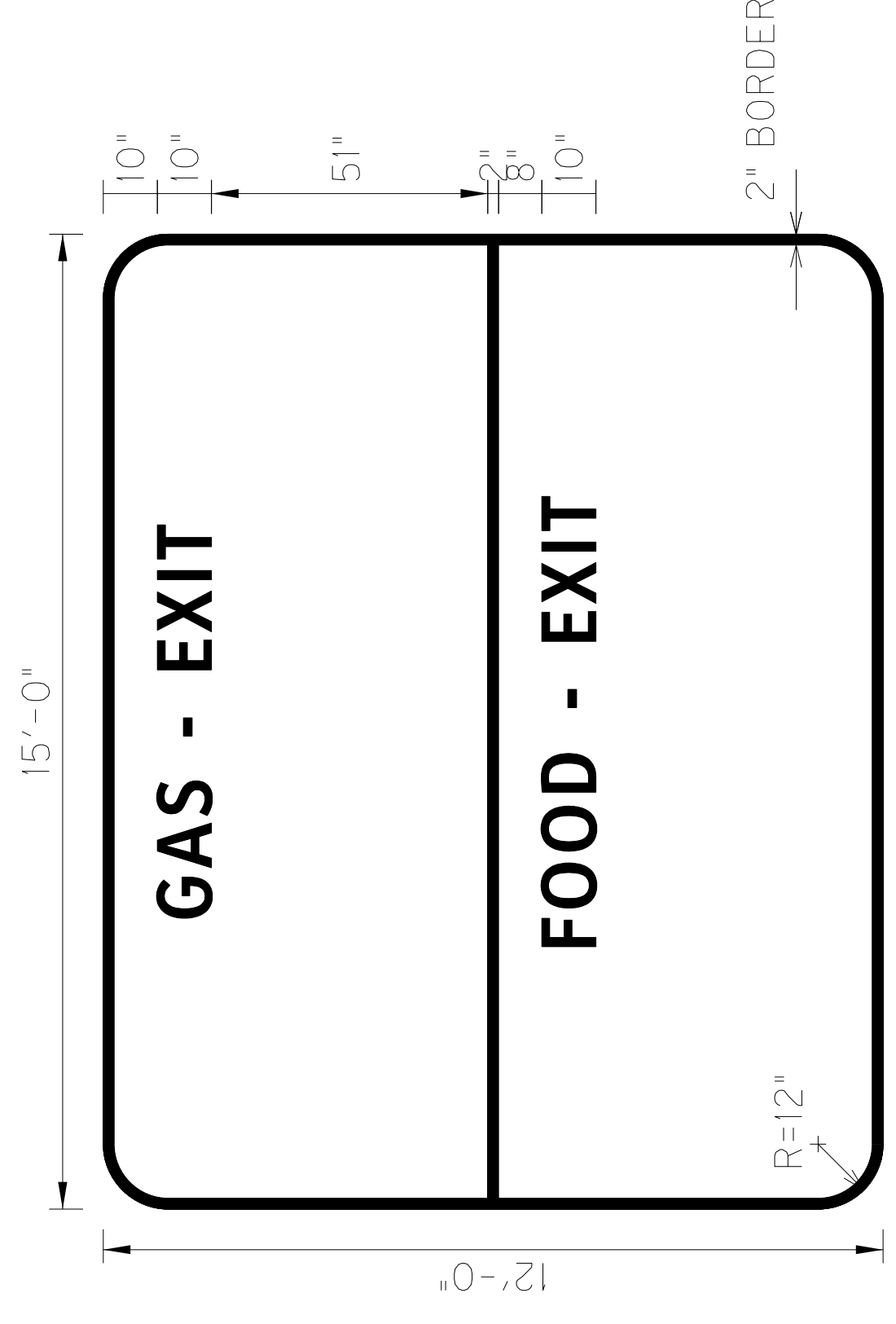
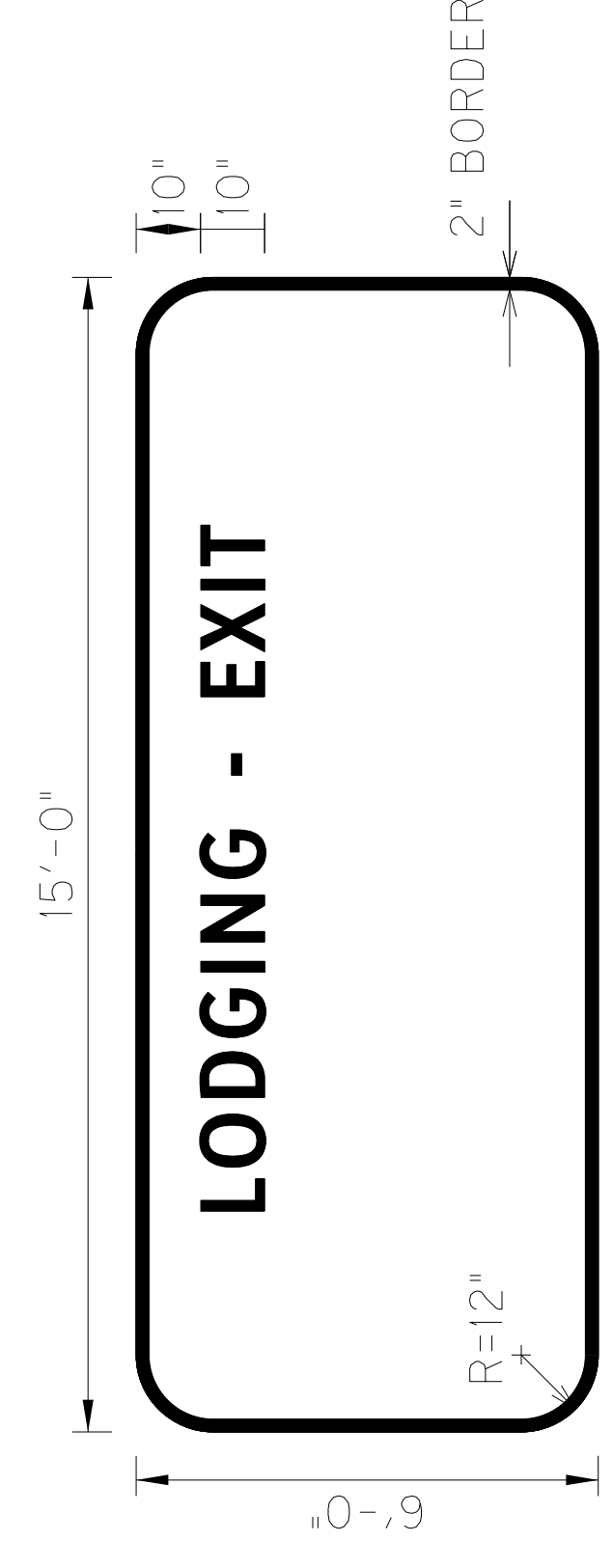
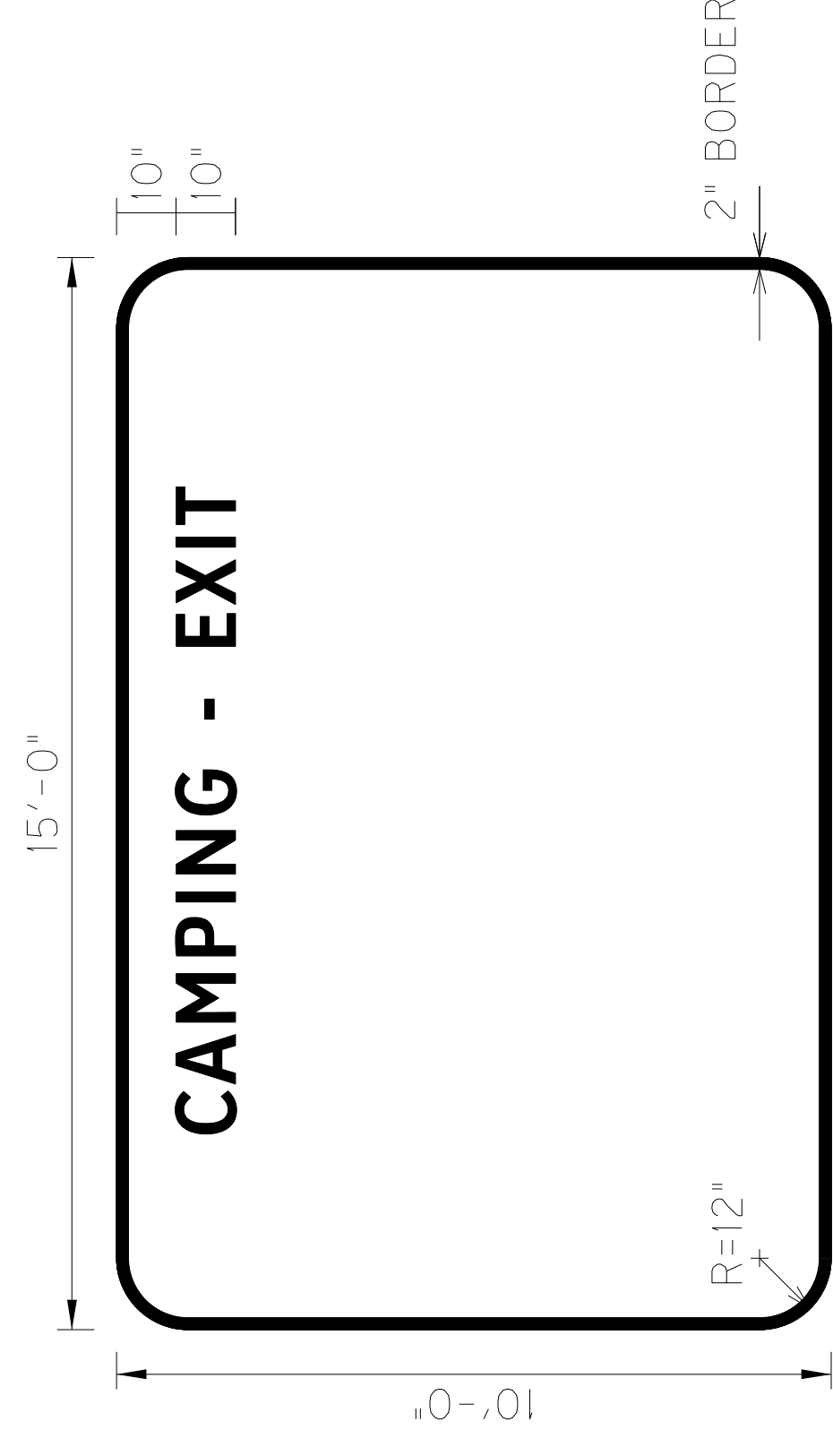
THE HORIZONTAL CLEARANCE "X" ON ALL THE SHEETING SIGNS SHOULD BE A MINIMUM OF 6' FROM THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN OR A MINIMUM OF 12' FROM THE EDGE OF THE SIGN TO THE EDGE OF THE TRAVELLED WAY AS SHOWN IN THE SIGNING POSITIONING DETAIL SHEET.

IF ANY SIGN IS LOCATED NEAR A LUMINAIRE OR ANOTHER POLE, IT SHALL BE INSTALLED IN ADVANCE OF THE POLE SO THAT THE MOTORIST'S VIEW OF THE SIGN WILL NOT BE OBSTRUCTED. SIGNS THAT DO NOT COMPLY WITH THE MUTCD SHALL BE REMOVED BY THE CONTRACTOR AS APPROVED AND DIRECTED BY THE ENGINEER.

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | T-8909.30 | T002 |

SAMPLES OF TYPICAL SPECIFIC SERVICE (LOGO) SIGNS

MAINLINE SIGNS



SPECIAL NOTES

ALL SIGNS SHALL BE PANEL TYPE SIGNS AND THE BACKGROUND COLOR SHALL BE BLUE WITH A WHITE RETROREFLECTORIZED BORDER OF THE SPECIFIED WIDTH. THE WORDS "TOURIST ATTRACTIONS", "GAS", "FOOD", "LODGING", "CAMPING", "ATTRACTION", AND DIRECTIONAL INFORMATION SHALL BE IN WHITE RETROREFLECTORIZED 10 INCH (10") CAPITAL LETTERS AND NUMBERS FOR THE MAINLINE SIGNS, AND 6 INCH (6") CAPITAL LETTERS FOR THE RAMP SIGNS. BORDER AND COPY SHALL BE DEMOUNTABLE. SIGN PANELS WITH LEGEND SHALL BE FABRICATED WITH THE LEGEND AS SHOWN ON THE PLANS.

SIGN PANEL FACES SHALL BE COMPOSED OF RETROREFLECTIVE SHEETING AS SPECIFIED ON THE SIGNING SPECIFICATIONS SHEETS.

ALL SIGNS SHALL BE FABRICATED AND CONSTRUCTED IN A NEAT, WORKMANLIKE MANNER. SIGNS SHALL BE FREE OF CRACKS, TEARS, WRINKLES, BLISTERS, RIDGES, HUMPS, DISCOLORATION, BUCKLES, AND WARPS AND SHALL PRESENT A SMOOTH LIGHT SURFACE OF UNIFORM COLOR.

NOTIFY THE FOLLOWING CONTRACTOR WHEN WORK BEGINS ON SPECIFIC SERVICE (LOGO) SIGNS:

KENTUCKY LOGOS, INC.
2129 COMMERCIAL DRIVE
SUITE C
FRANKFORT, KY 40601
(800) 469-5646
(859) 227-0802

ALL SIGNS SHALL BE POSITIONED AS SHOWN ON THE SIGNING POSITIONING DETAIL SHEET. ALL BEAMS SHALL BE OF SUFFICIENT LENGTHS TO EXTEND FROM THE TOP OF THE SIGN TO THE REQUIRED BASE EMBEDMENT.

WHERE THERE ARE CURBS ON RAMPS, THE LATERAL CLEARANCE "X" SHALL BE AT LEAST 6 FEET (6') FROM THE FACE OF THE CURB.

ALL SIGNS ARE TO BE LOCATED AT THE APPROXIMATE STATIONS LISTED, AND THE EXACT LOCATION FOR EACH SIGN SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. SIGNS LOCATED BEHIND GUARDRAIL SHALL BE MOUNTED ON TYPE "A" BEAMS; OTHERWISE, TYPE "C" BEAMS SHALL BE UTILIZED.

SIGNS ERECTED ON THE MAINLINE SHOULD HAVE AT LEAST 800 FEET (800') OF SPACE BETWEEN EACH SIGN. SIGNS ERECTED ON THE RAMPS SHOULD BE SPACED AT LEAST 100 FEET (100') FROM THE EXIT CORE SIGN, FROM THE RAMP TERMINAL, AND FROM EACH OTHER.

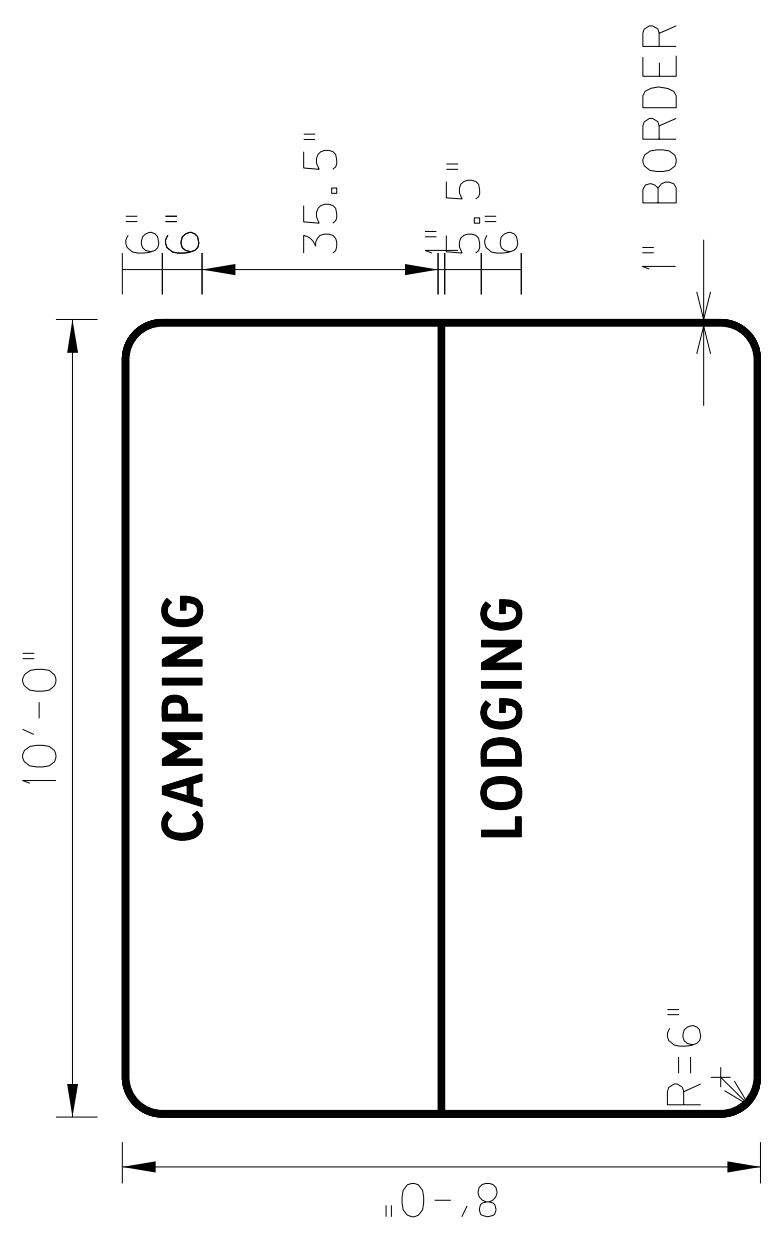
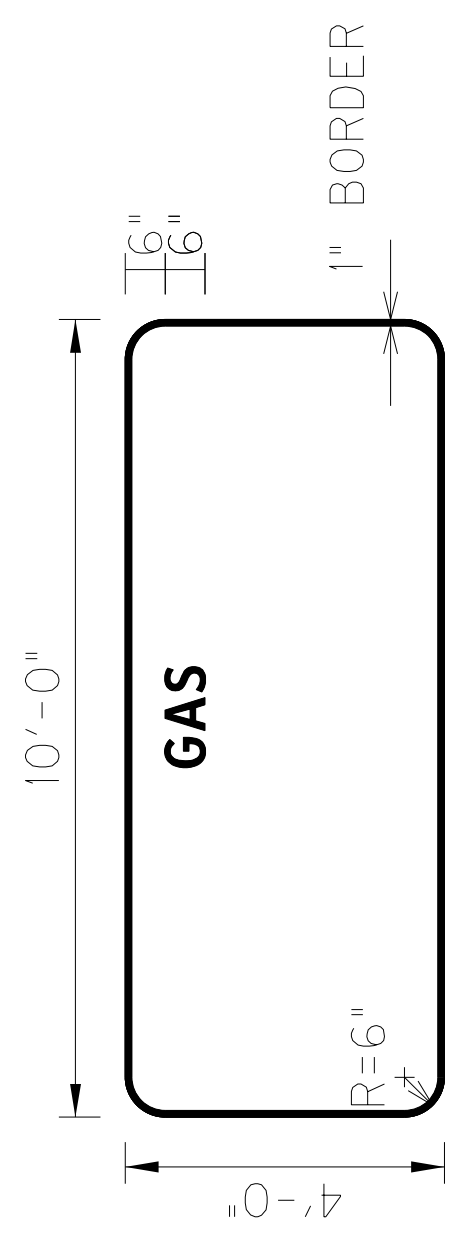
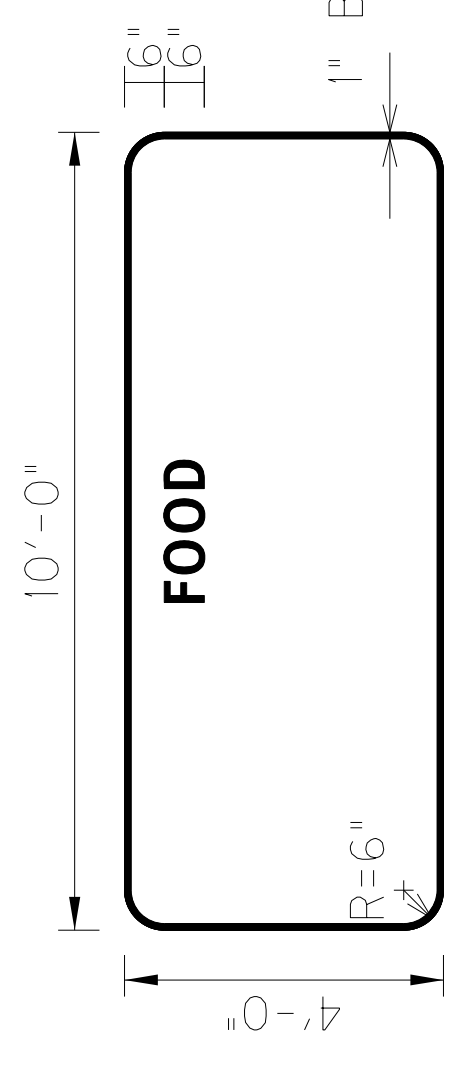
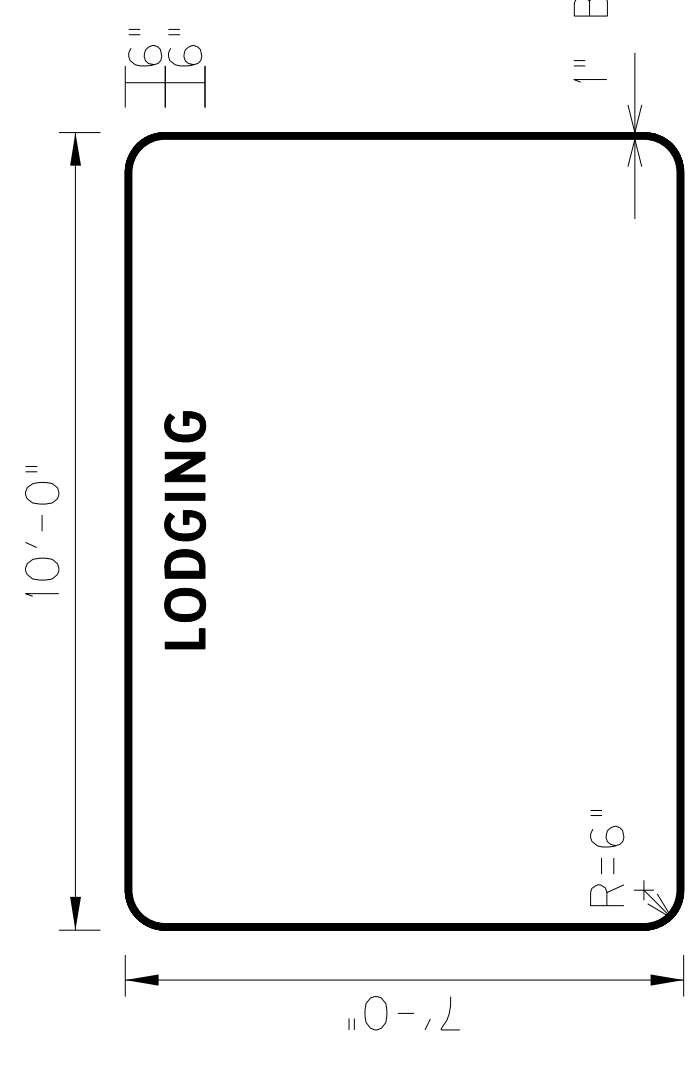
IF ANY SIGN IS LOCATED NEAR A LUMINAIRE OR OTHER POLE, IT SHALL BE INSTALLED IN ADVANCE OF THE POLE SO THAT THE MOTORISTS VIEW OF THE SIGN WILL NOT BE OBSTRUCTED.

IF ANY EXISTING SIGNS ARE TO BE OUT OF SERVICE FOR MORE THAN ONE WORK SHIFT, THEY SHALL BE TEMPORARILY RELOCATED AT THE SAME FUNCTIONAL LOCATION BY THE CONTRACTOR, WITH THE APPROVAL OF THE ENGINEER AND AT NO ADDITIONAL COST TO THE DEPARTMENT.

THE EXISTING LOGO PANELS SHALL BE REMOVED AND AFFIXED TO THE NEW PANEL SIGN, WITH THE COST INCIDENTAL TO PANEL SIGNS. INSTALLATION OF PERMANENT SIGNS SHALL BE PAID FOR AS:

GMSS TYPE "A" (LBS)
OR GMSS TYPE "C" (LBS)
AND PANEL SIGNS (50 FT)

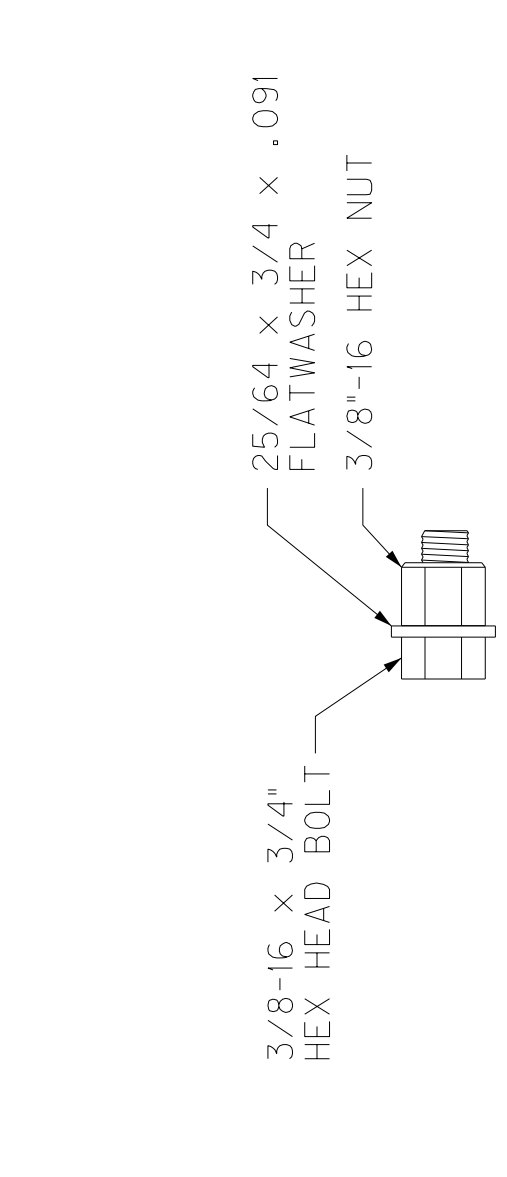
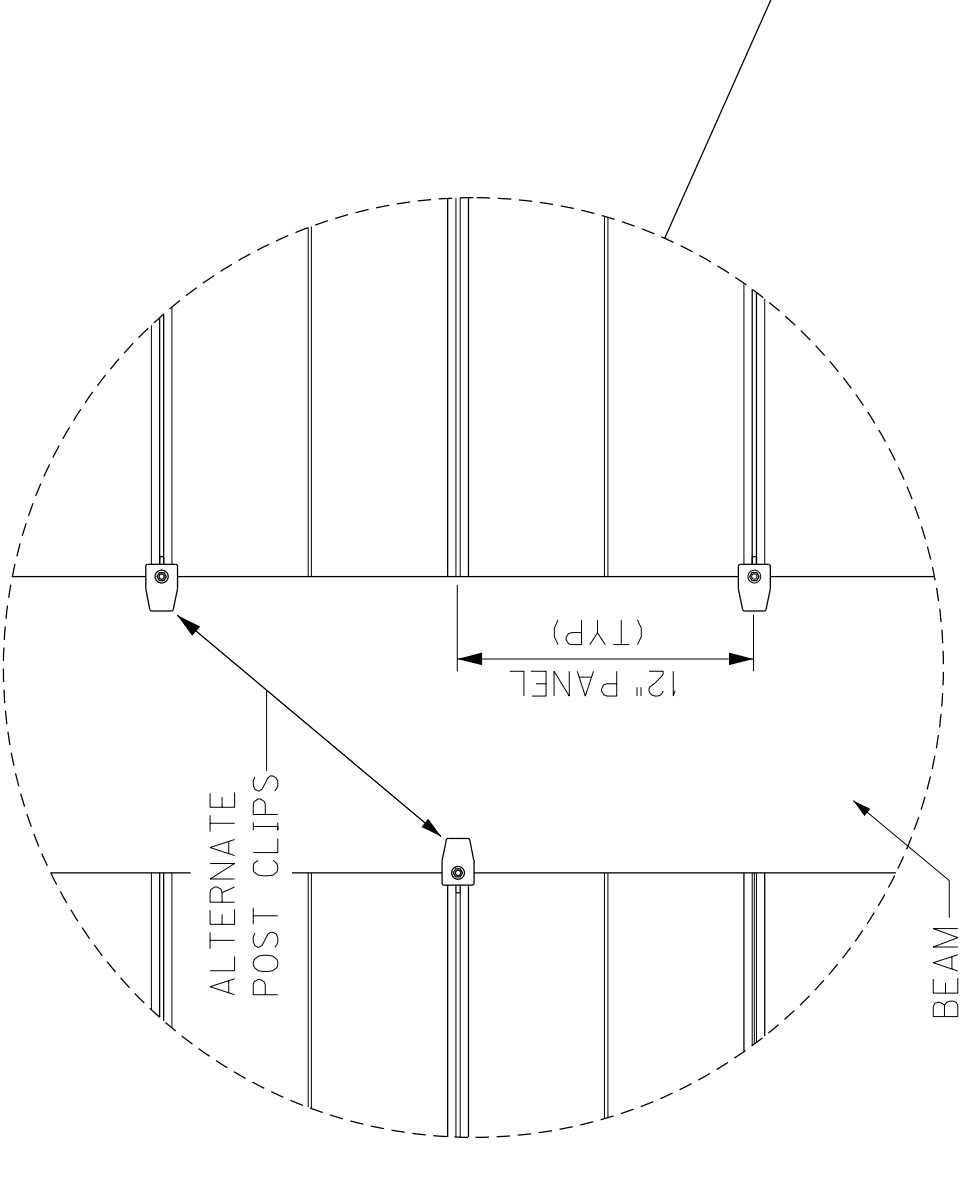
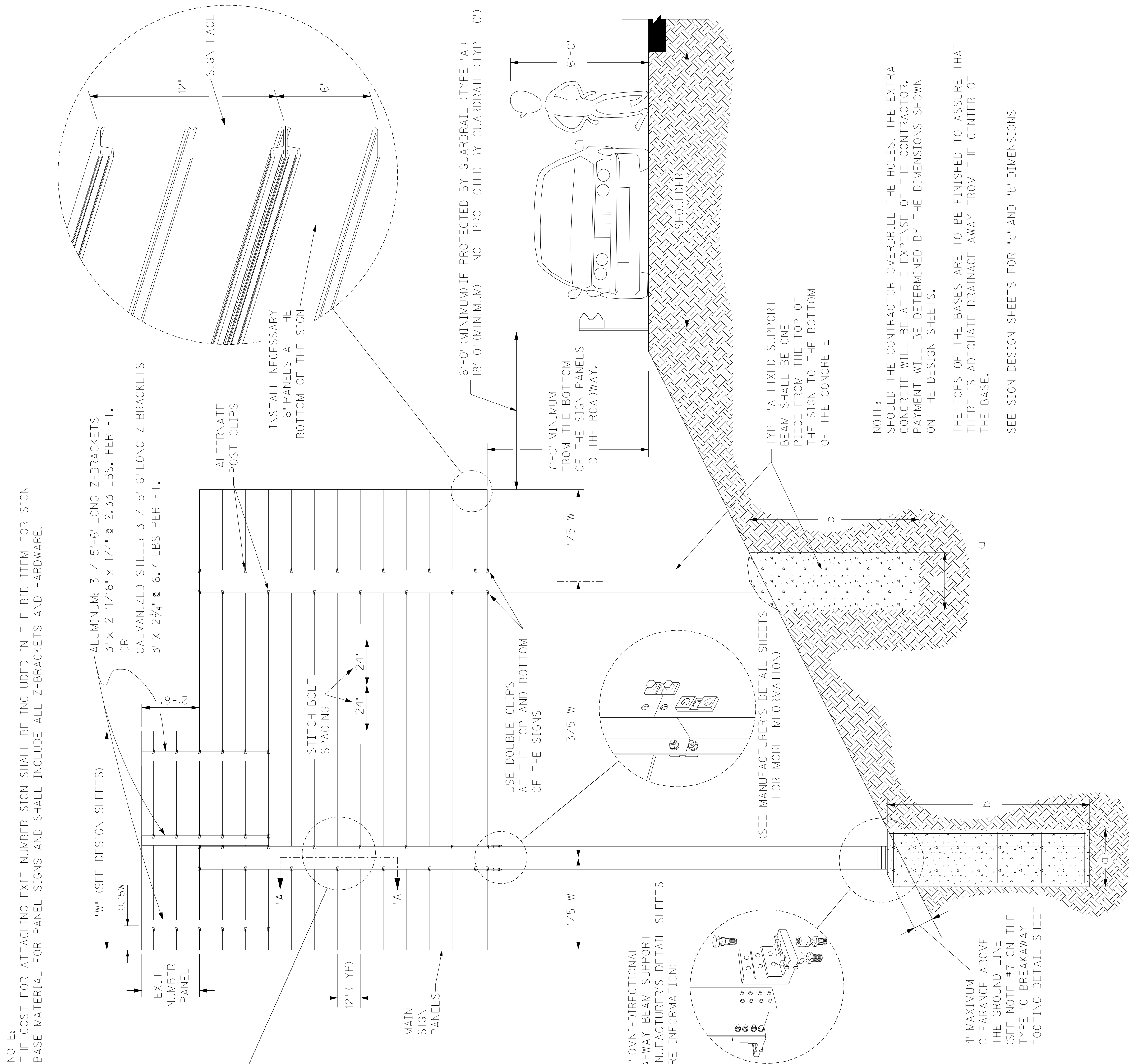
RAMP SIGNS



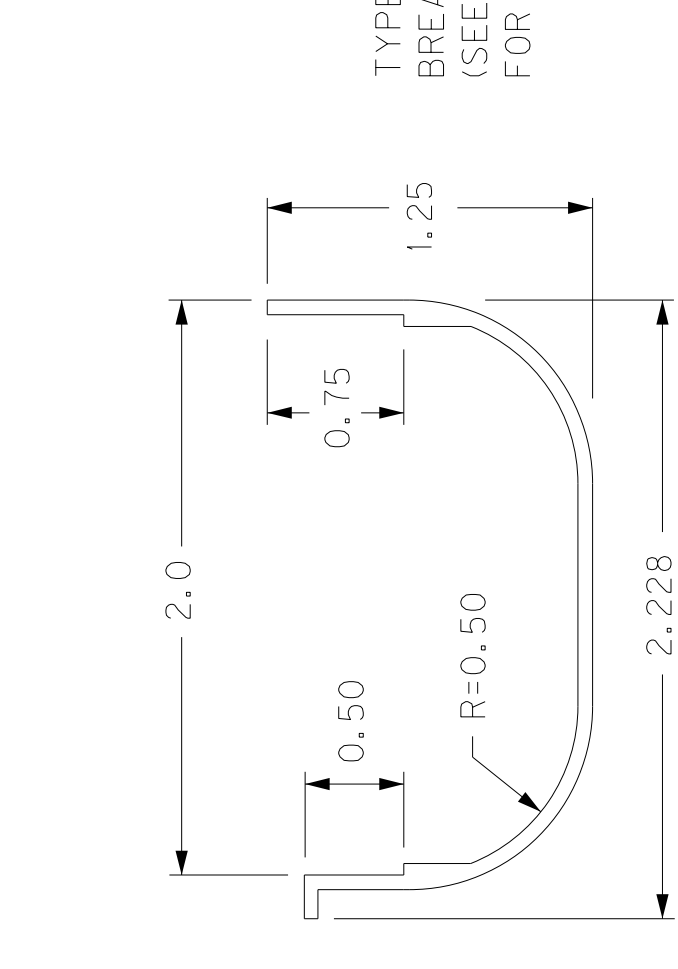
NOT TO SCALE

SPECIFIC SERVICE (LOGO) SIGNS

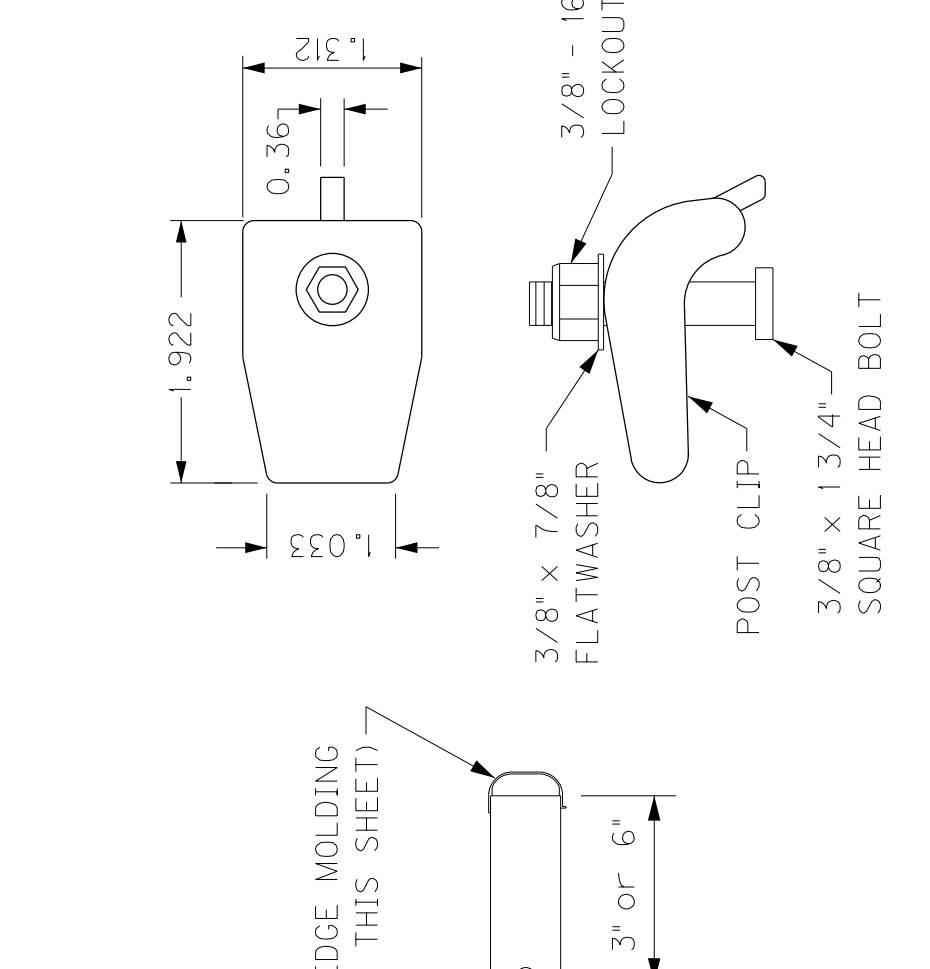
| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.20 | T005 |



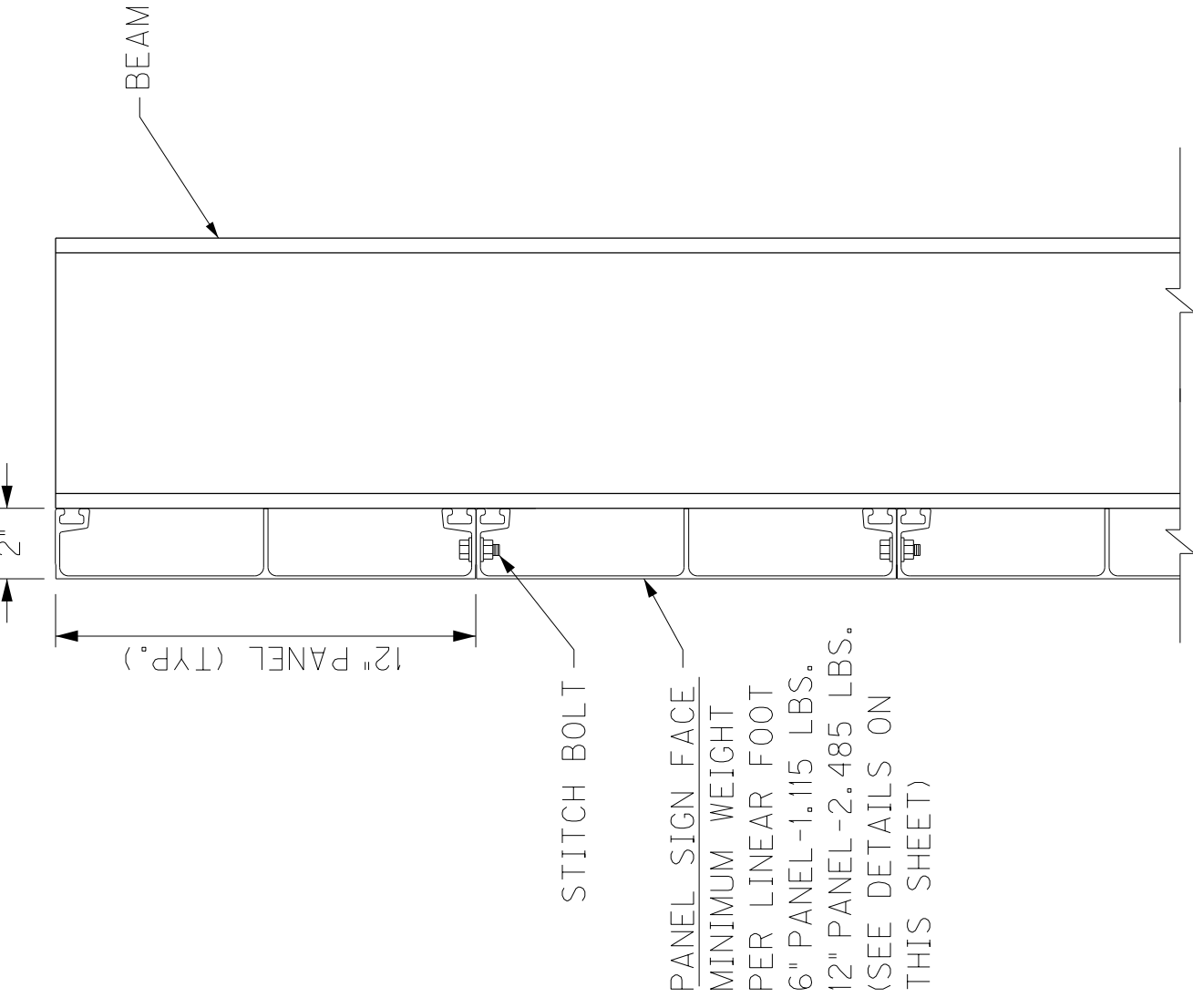
STITCH BOLT DETAIL



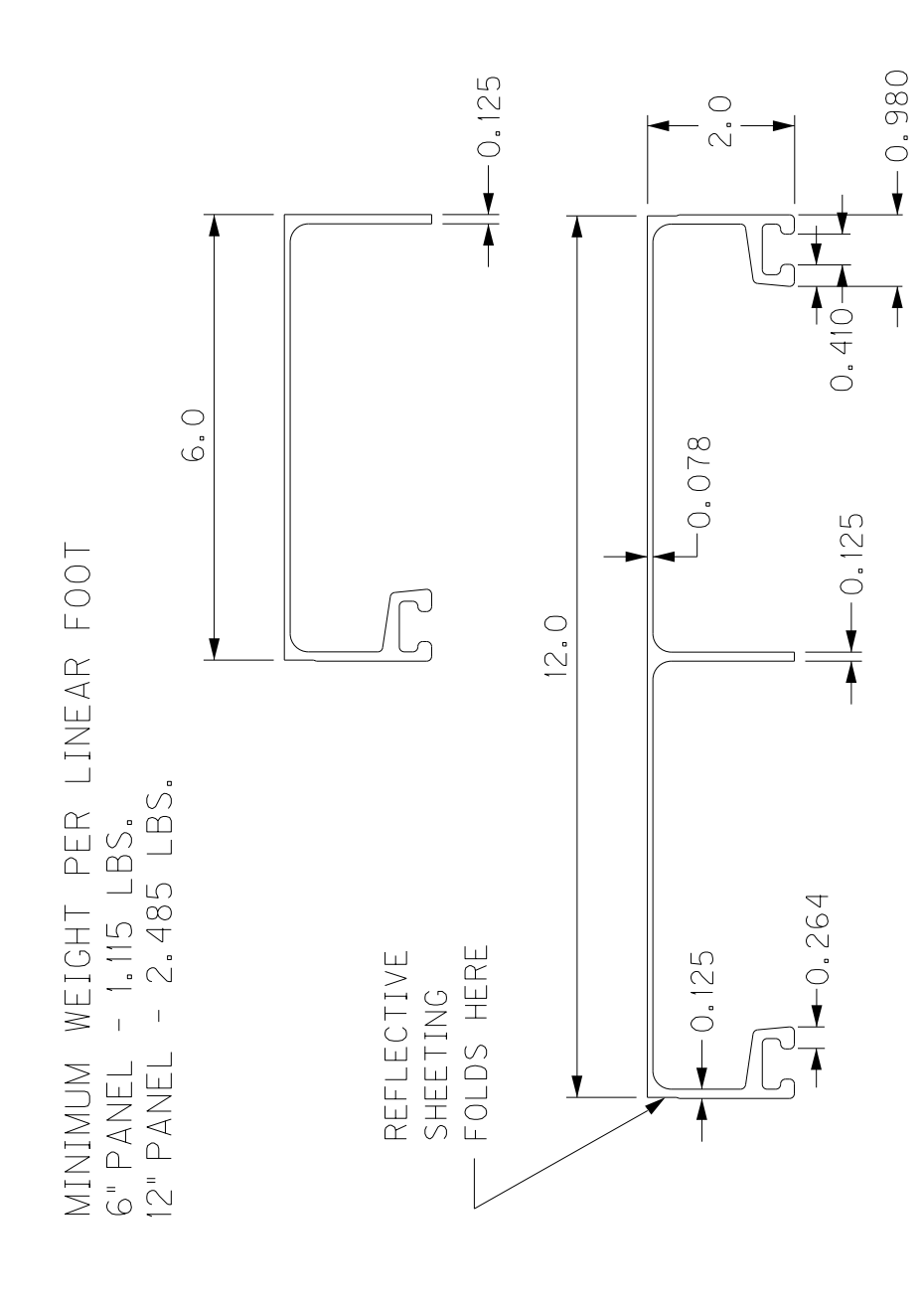
EDGE MOLDING DETAIL



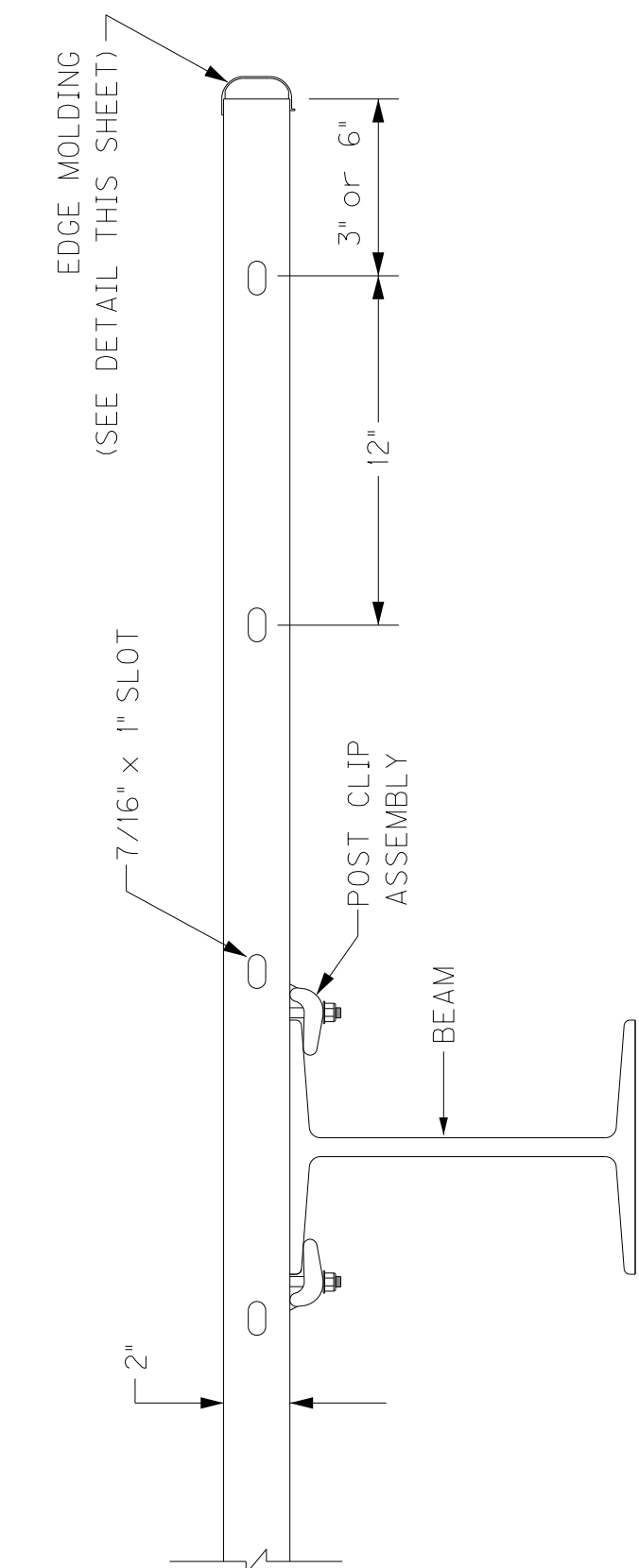
POST CLIP ASSEMBLY



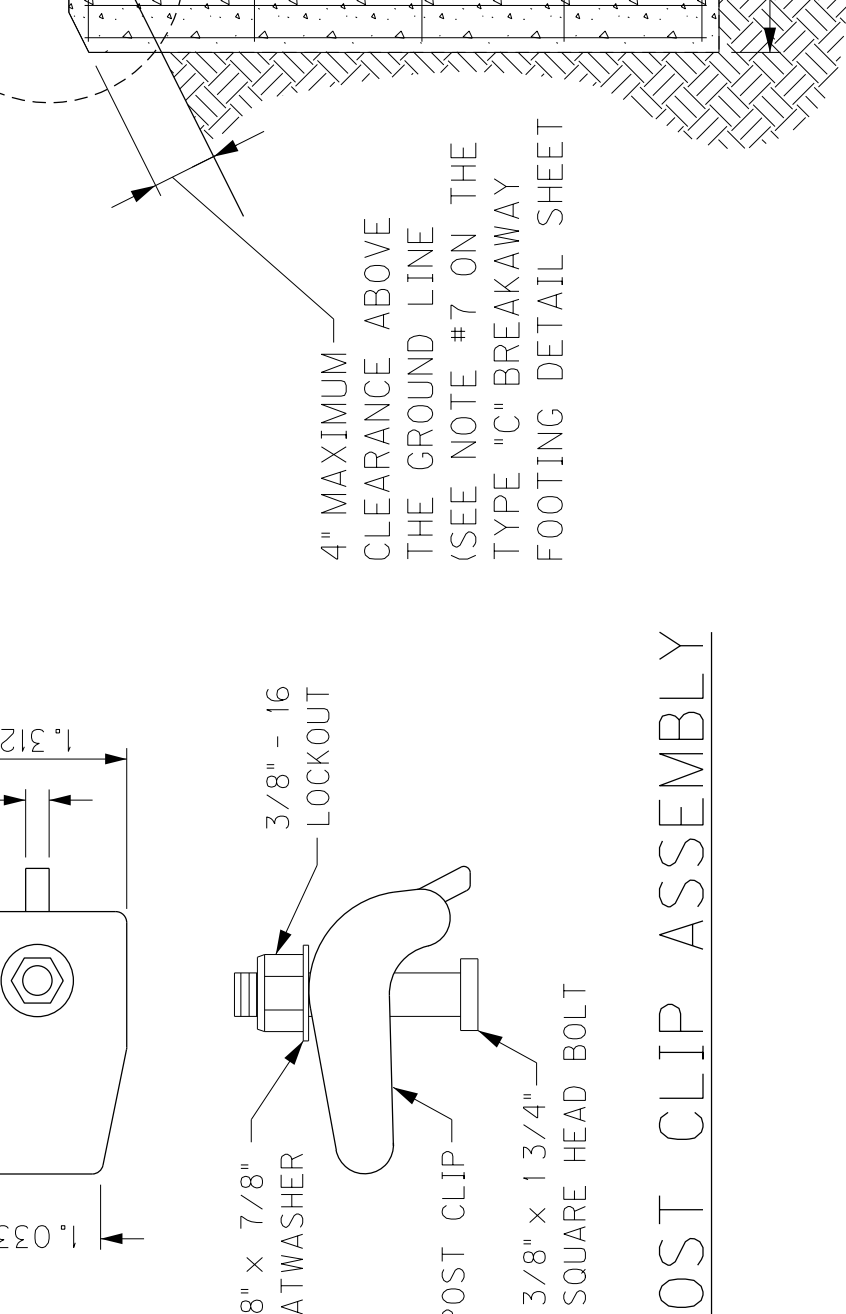
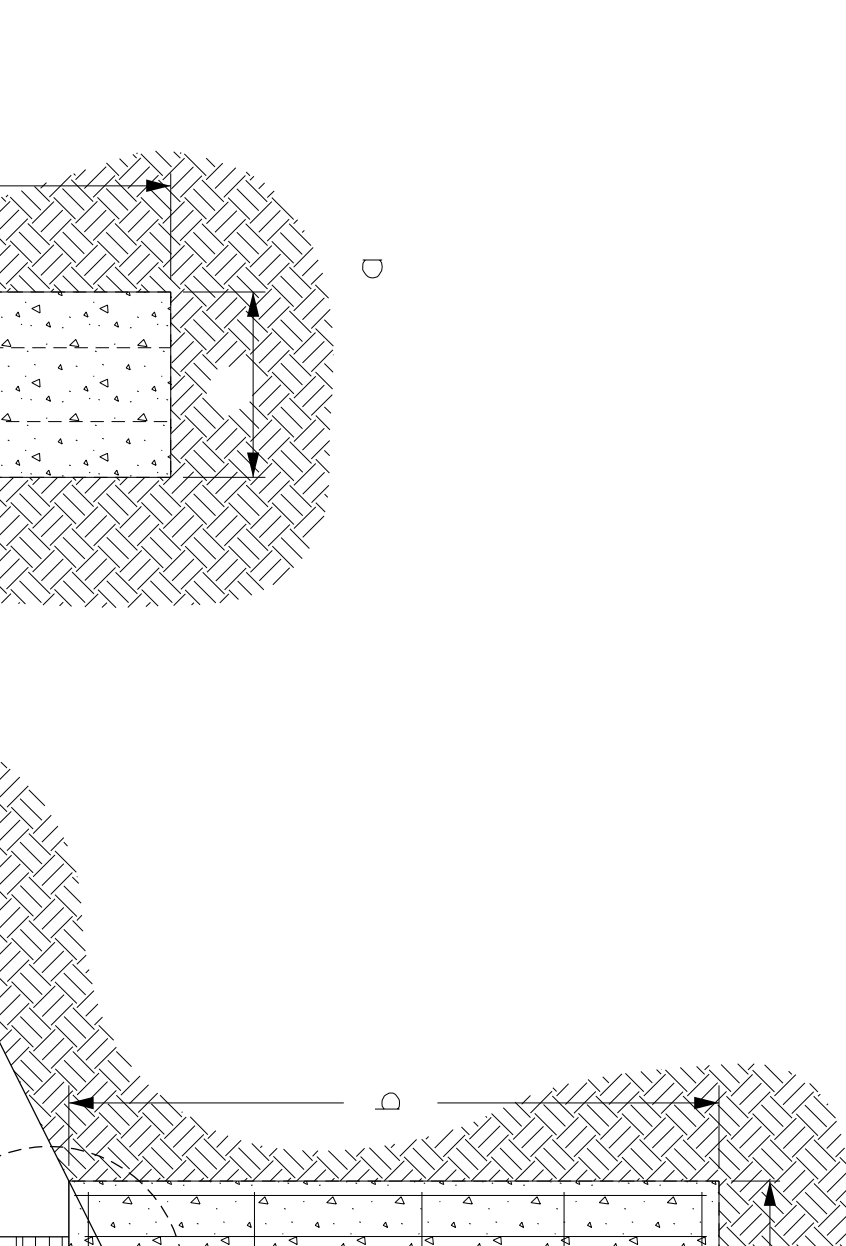
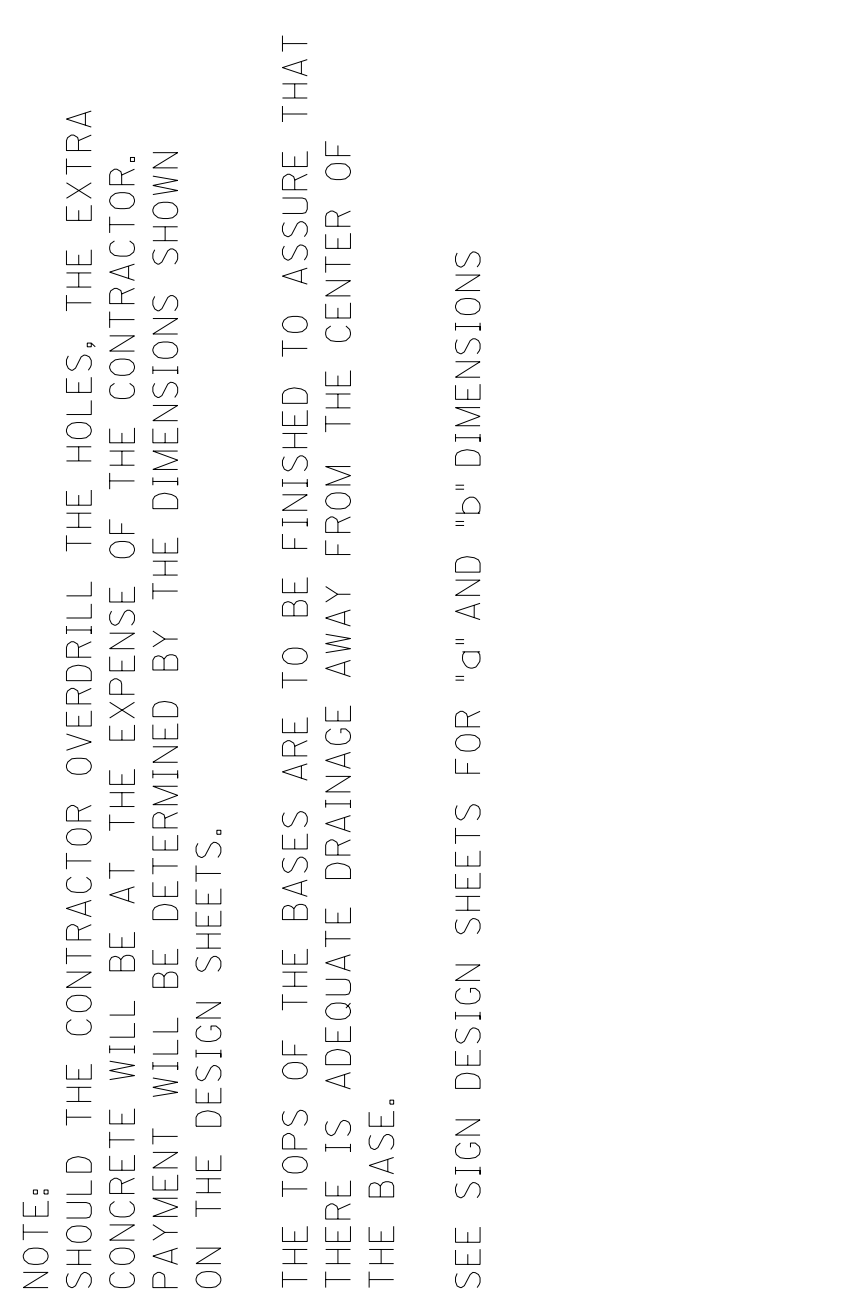
SECTION "A-A"



ALUMINUM PANEL DETAILS

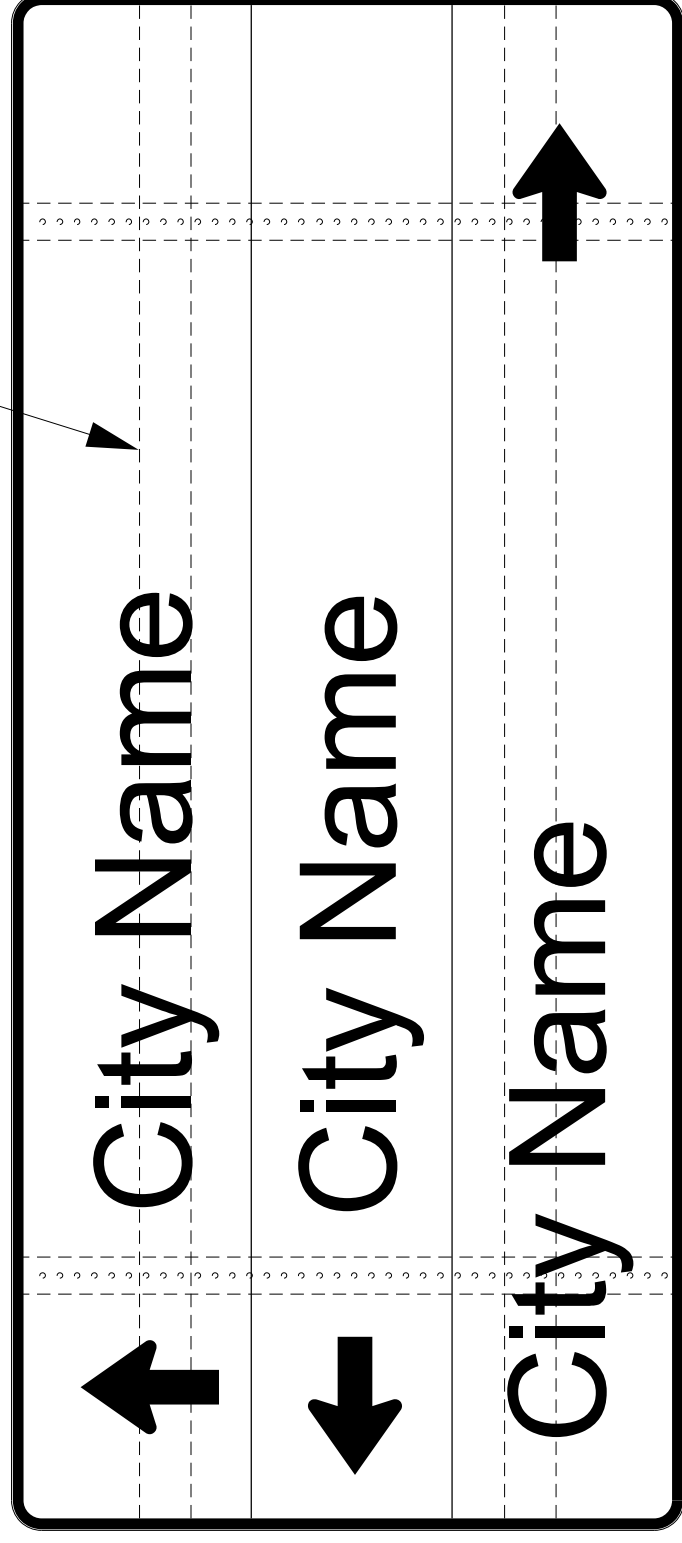


TOP VIEW OF PANEL SIGN

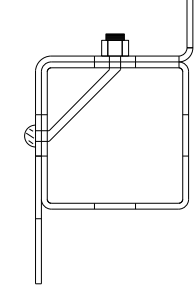


| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.20 | T006 |

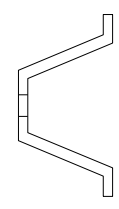
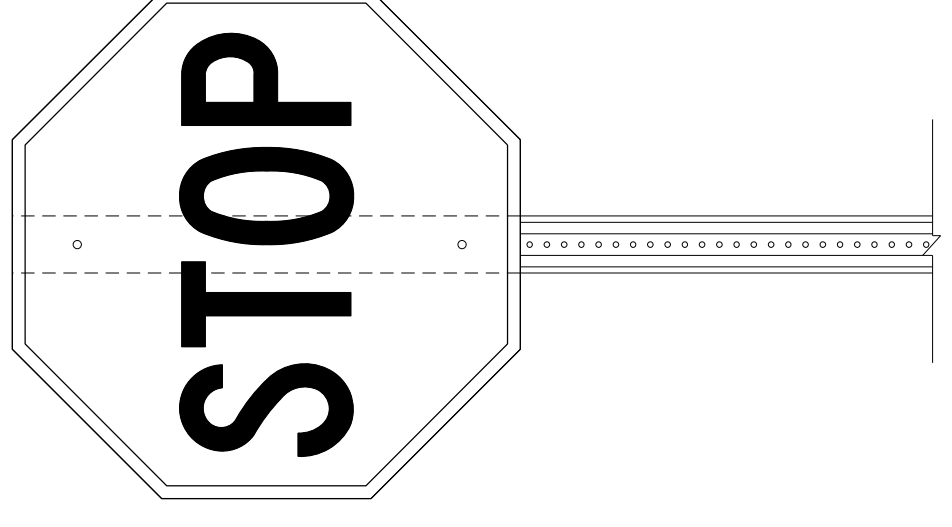
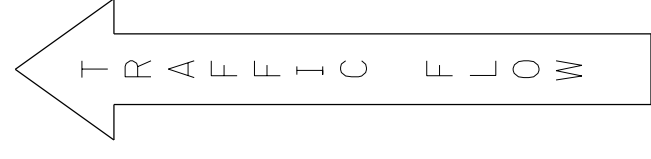
SEE SHEETING SIGN DETAIL SHEET 2 OF 2 FOR BRACING REQUIREMENTS



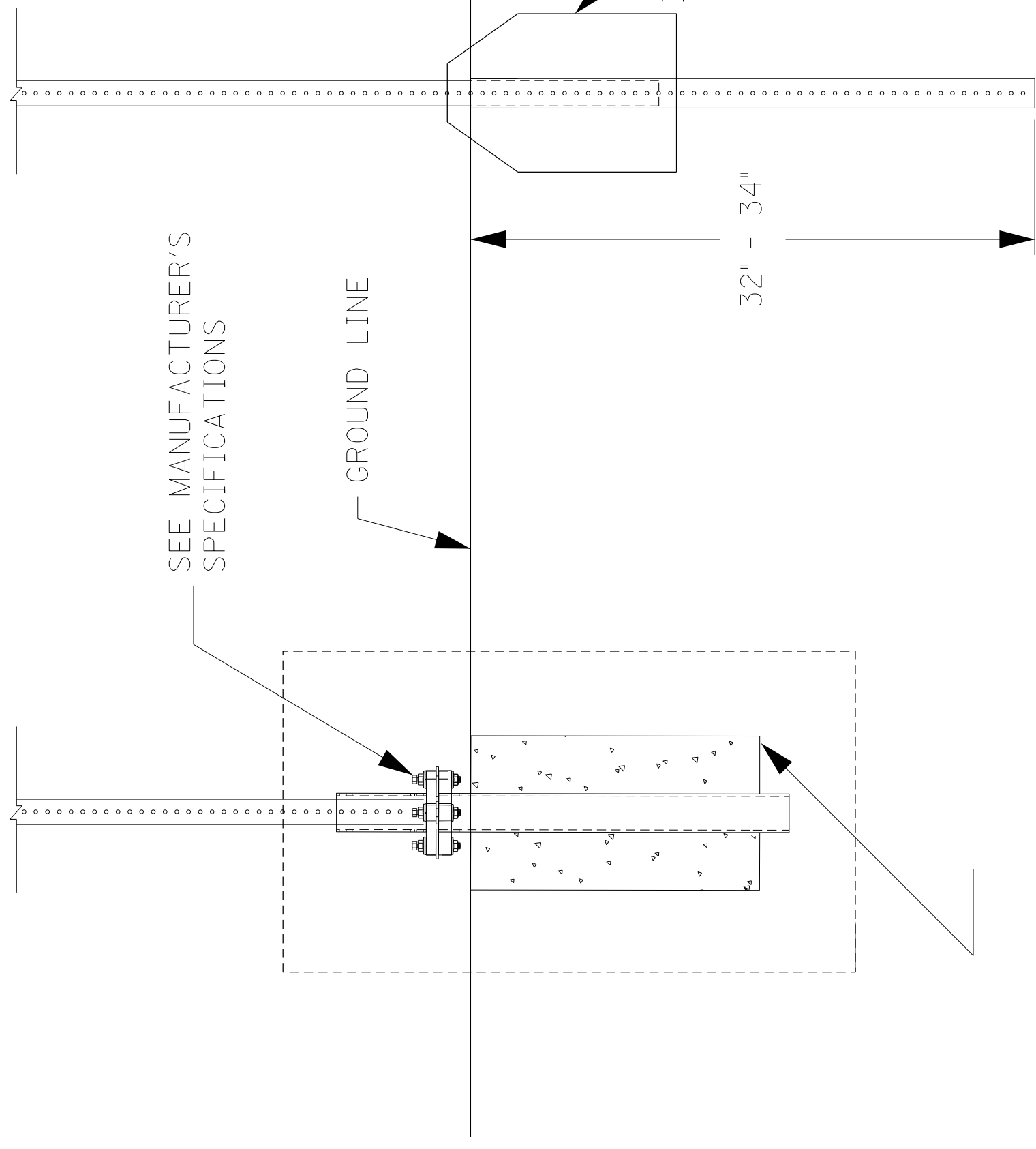
NOTE: SEE SIGN DETAIL SHEETS FOR QUANTITY, LENGTH, SIZE AND GAUGE OF TYPE I POSTS



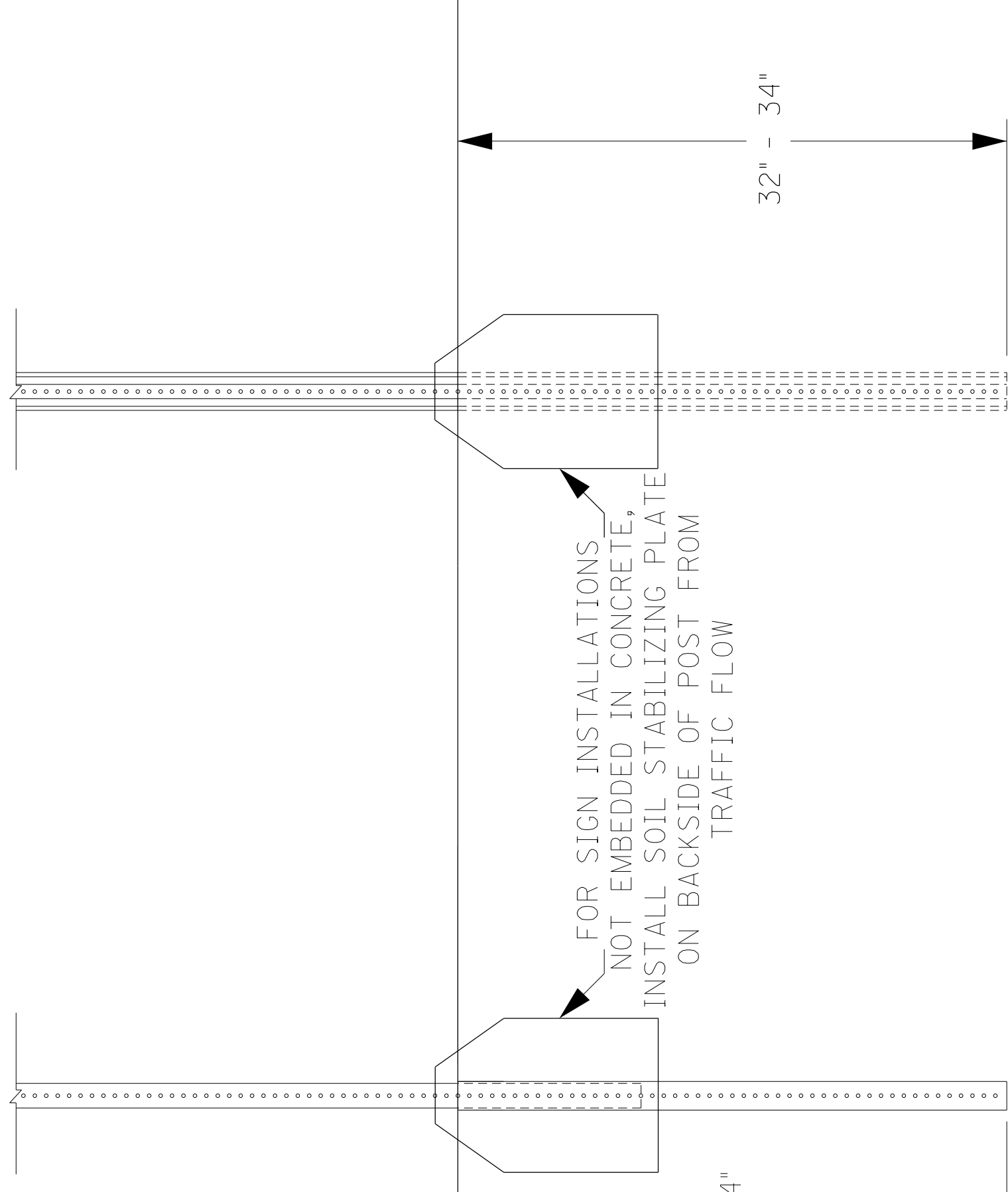
PLAN VIEW
NOT TO SCALE



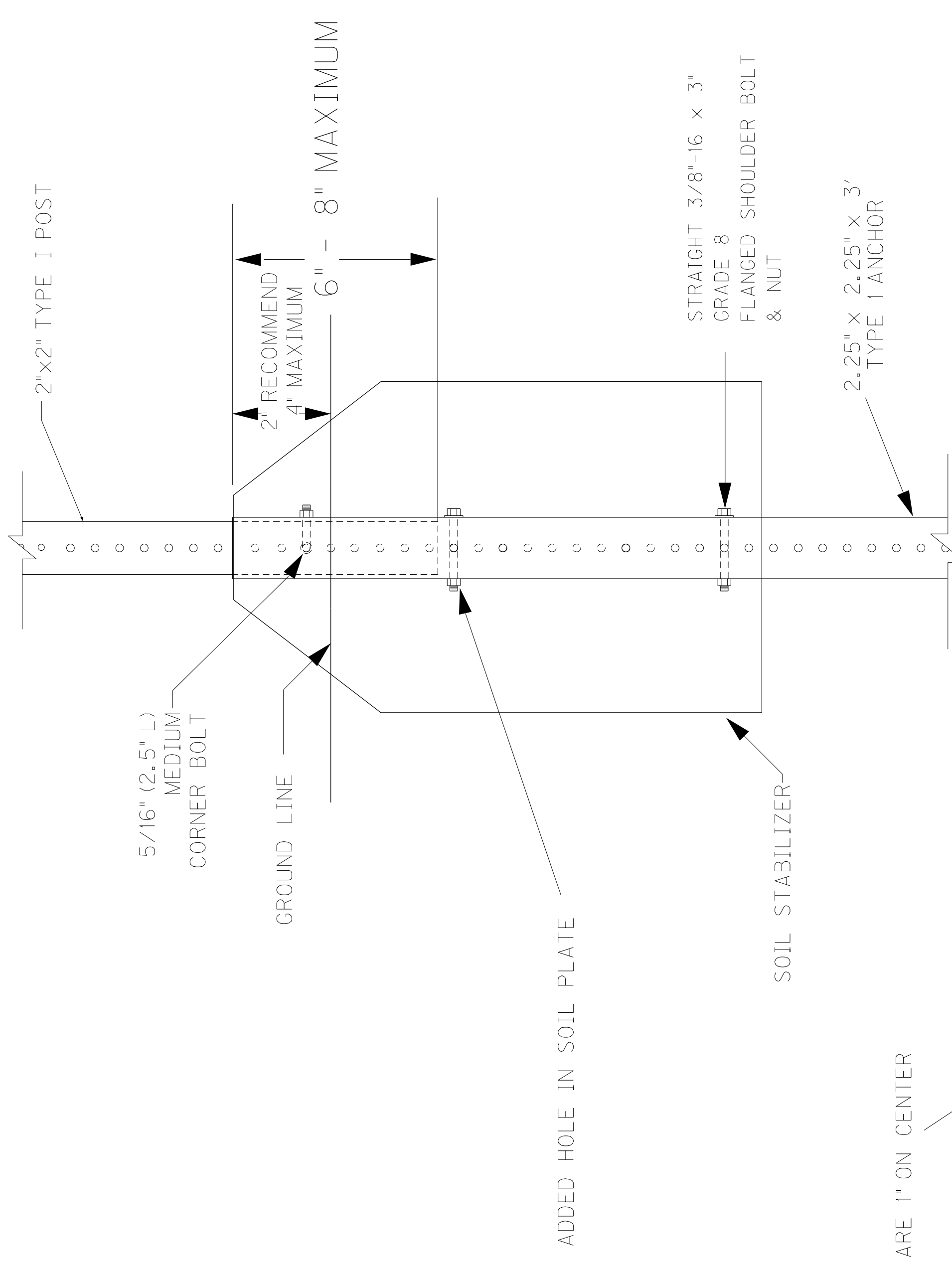
PLAN VIEW
NOT TO SCALE



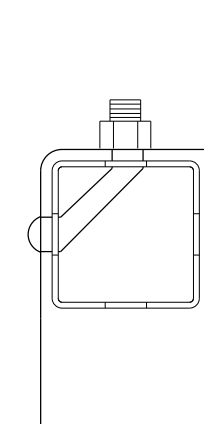
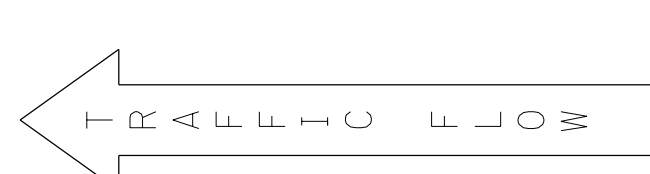
TYPE I
SQUARE TUBING POST
WITH TYPE "D" SUPPORT



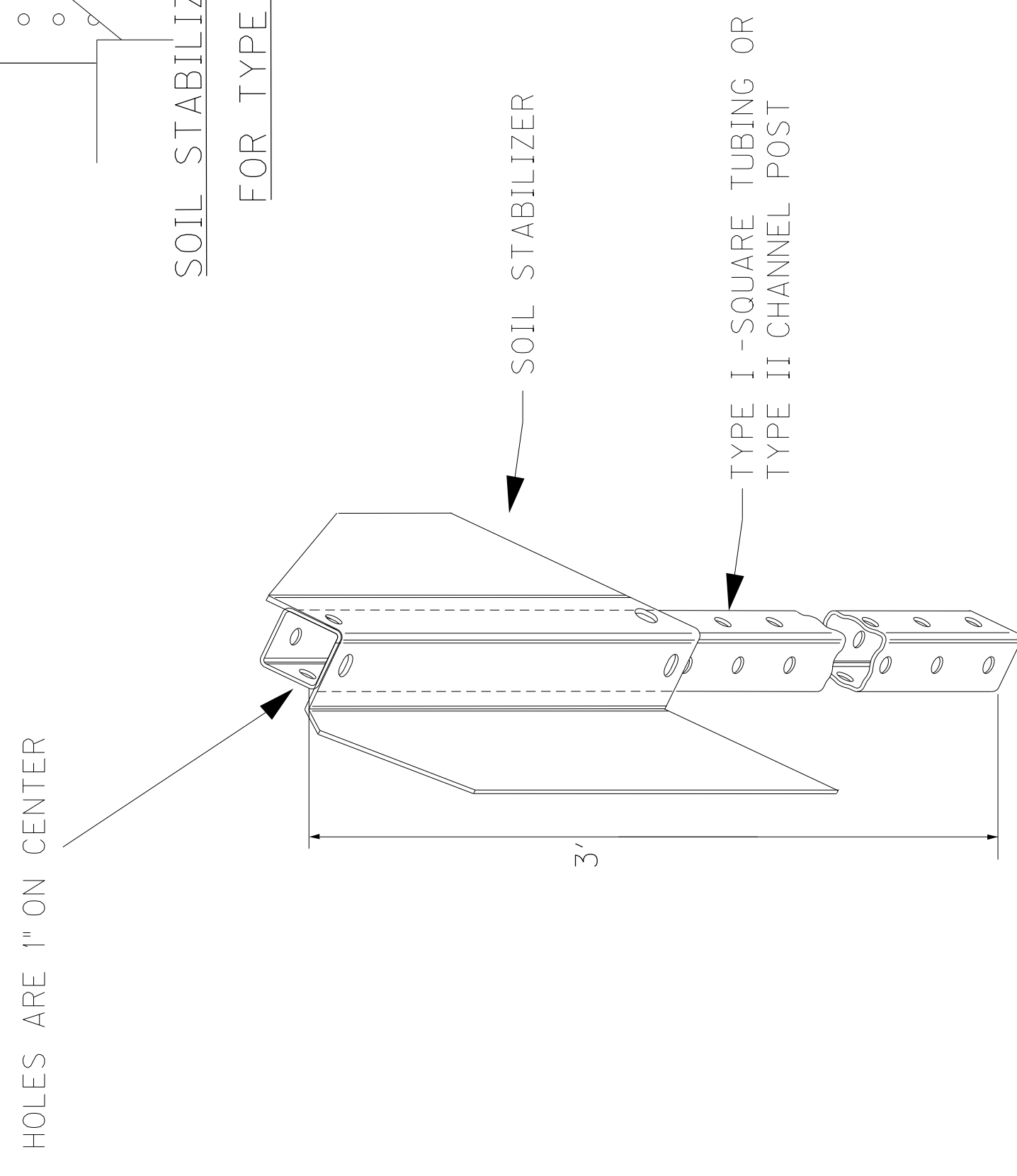
TYPE II
CHANNEL POST
WITH SOIL STABILIZER



SOIL STABILIZER DETAIL
FOR TYPE I POST



PLAN VIEW
NOT TO SCALE



SOIL STABILIZER DETAIL

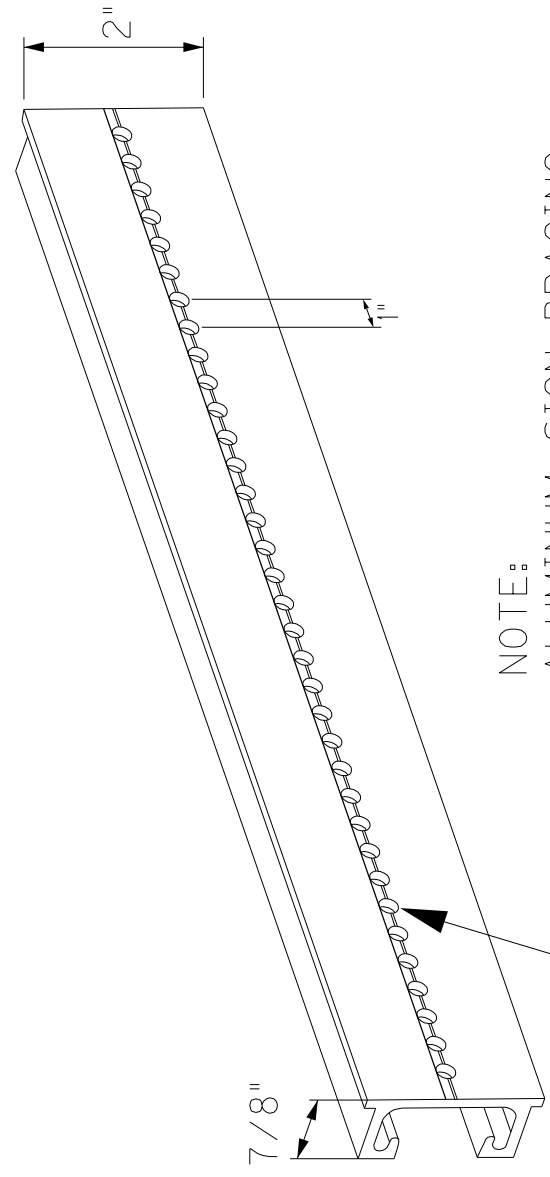
NOT TO SCALE

SHEETING SIGN DETAIL

SHEET 1 OF 2

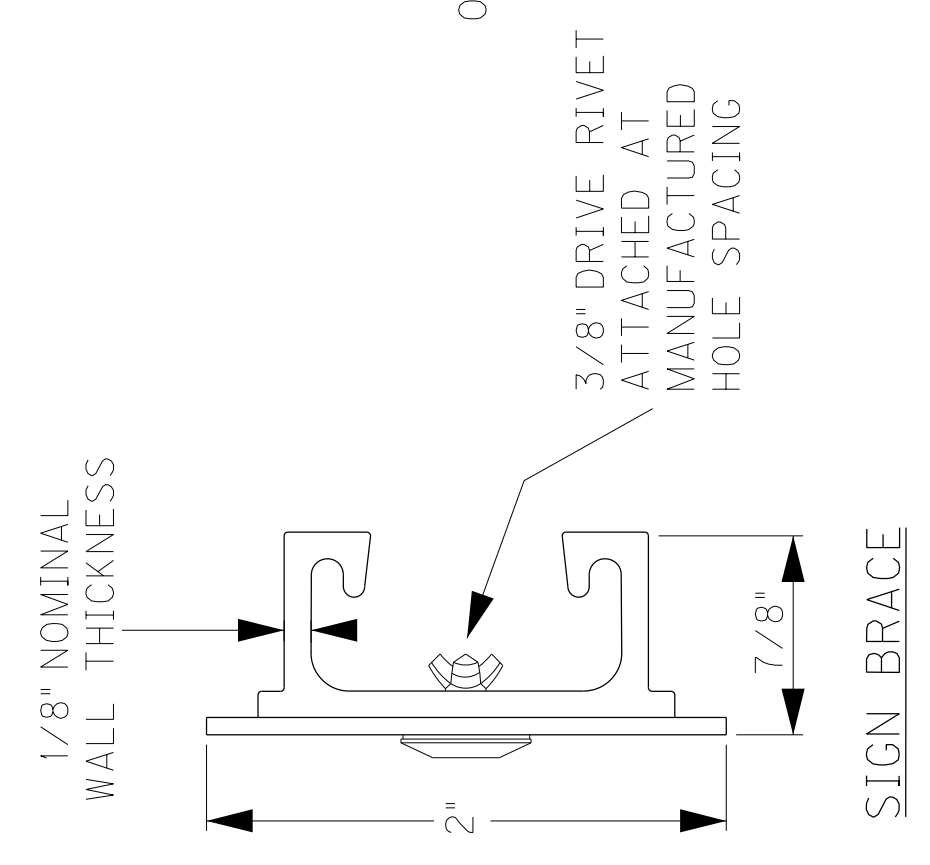
| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.20 | T007 |

FOR ATTACHMENT OF SIGNS LESS THAN 72" IN WIDTH USING MANUFACTURED 3/8" HOLES ACCORDING TO 2004 STANDARD HIGHWAY SIGNS BLANK STANDARDS PGS 7-1 THRU 7-6

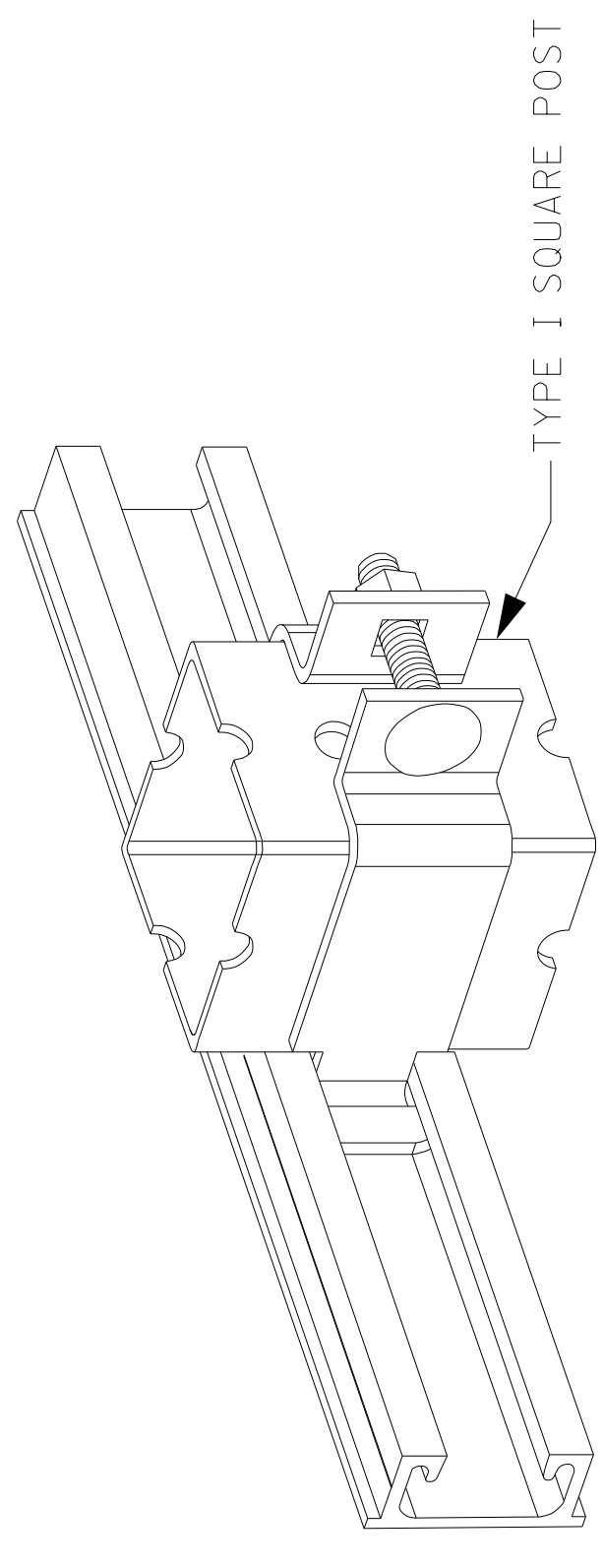


NOTE:
ALUMINUM SIGN BRACING
2" MOUNTING SURFACE x 7/8" DEPTH x 1/8" NOMINAL WALL THICKNESS

6061-T6 ALUMINUM ALLOY, PUNCHED WITH 3/8" DIAMETER HOLES ON 1" CENTERS FOR ATTACHMENT OF SIGN SUBSTRATE USING 3/8" DRIVE RIVETS



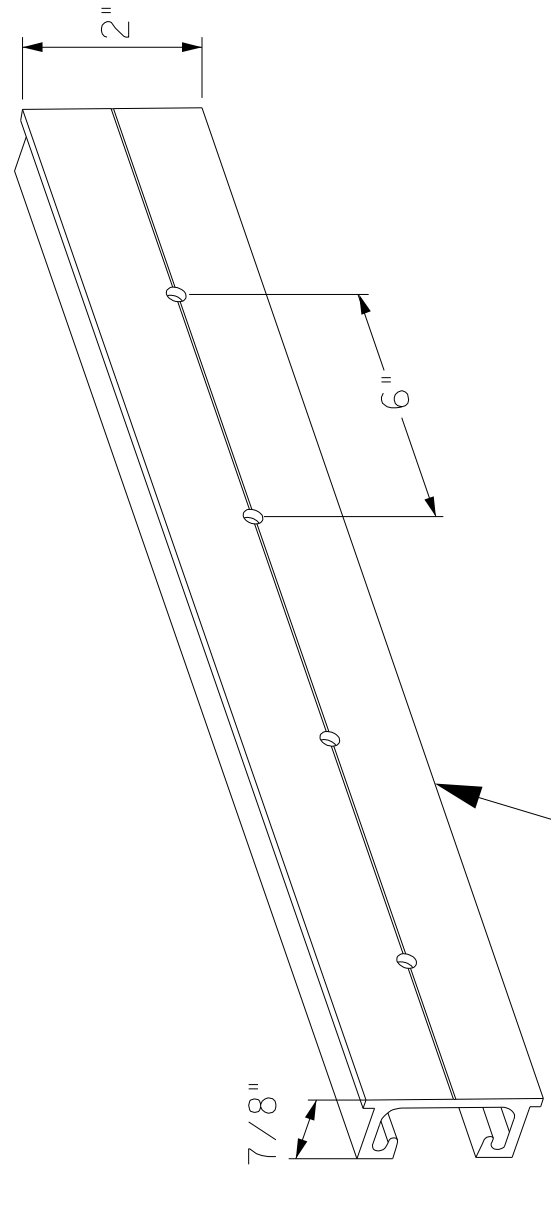
SIGN BRACE



SQUARE POST CLAMP & BRACE

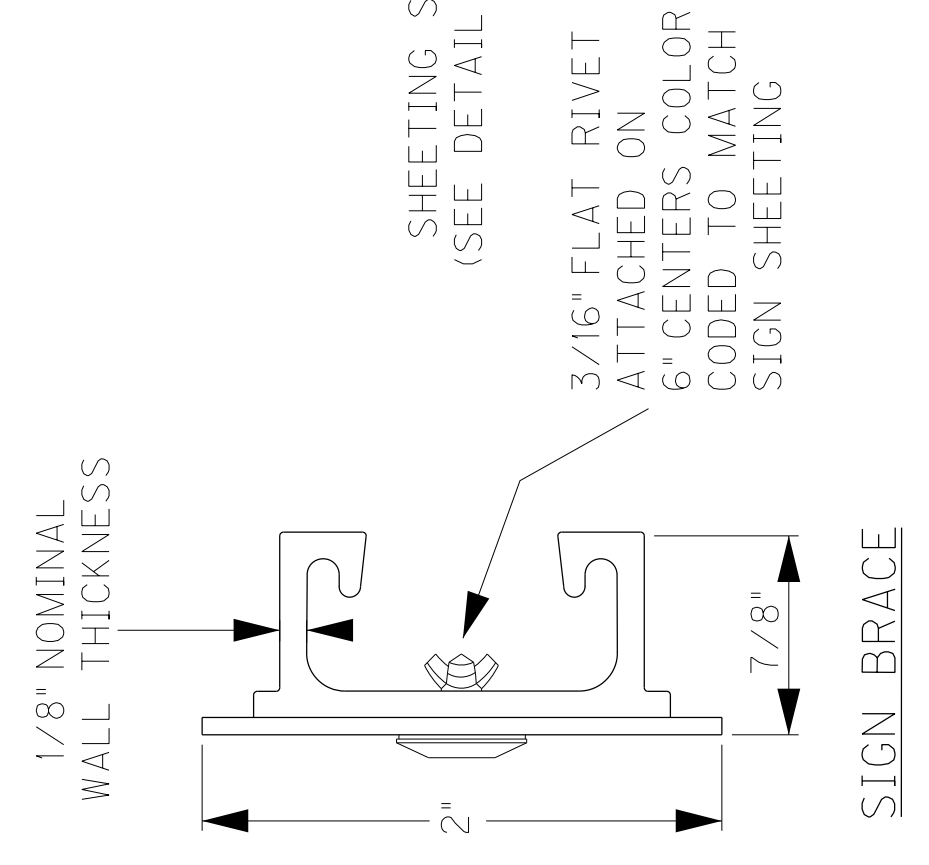
FOR ATTACHMENT OF SIGNS GREATER THAN, OR EQUAL TO, 72" IN WIDTH,

RIVETS SHALL BE COLOR CODED TO MATCH SHEETING IN ORDER TO MINIMIZE GLARE FROM RIVETS

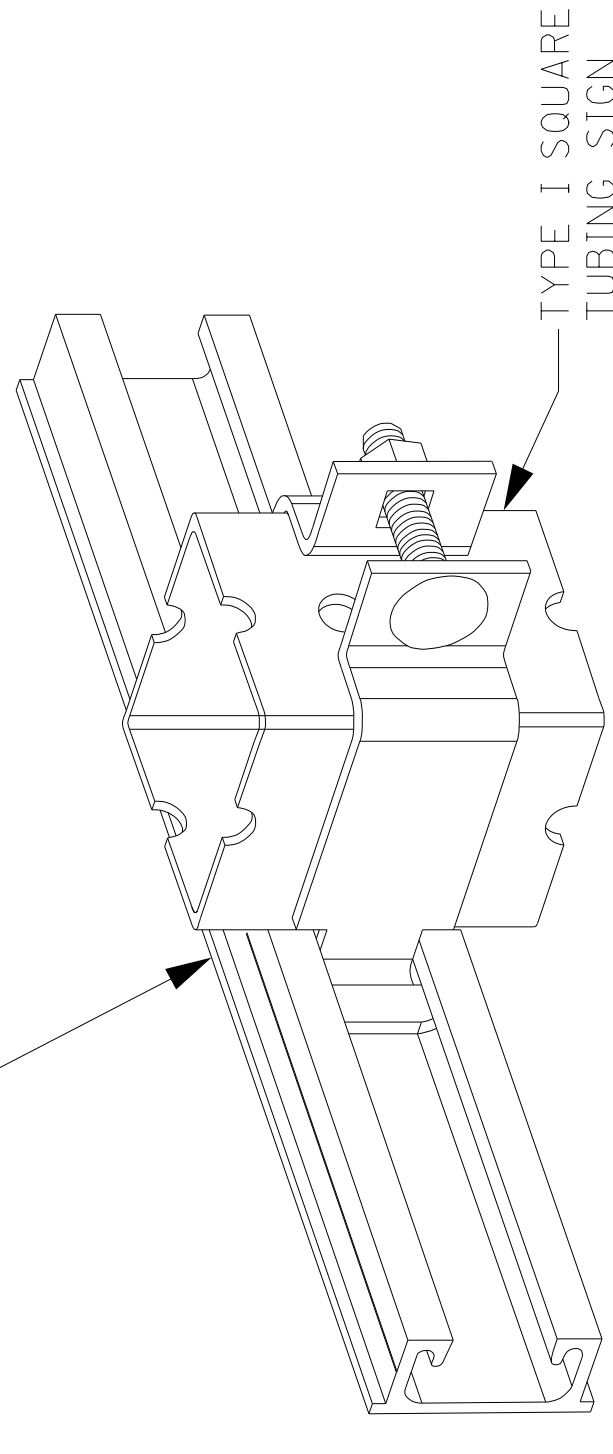


NOTE:
ALUMINUM SIGN BRACING
2" MOUNTING SURFACE x 7/8" DEPTH x 1/8" NOMINAL WALL THICKNESS

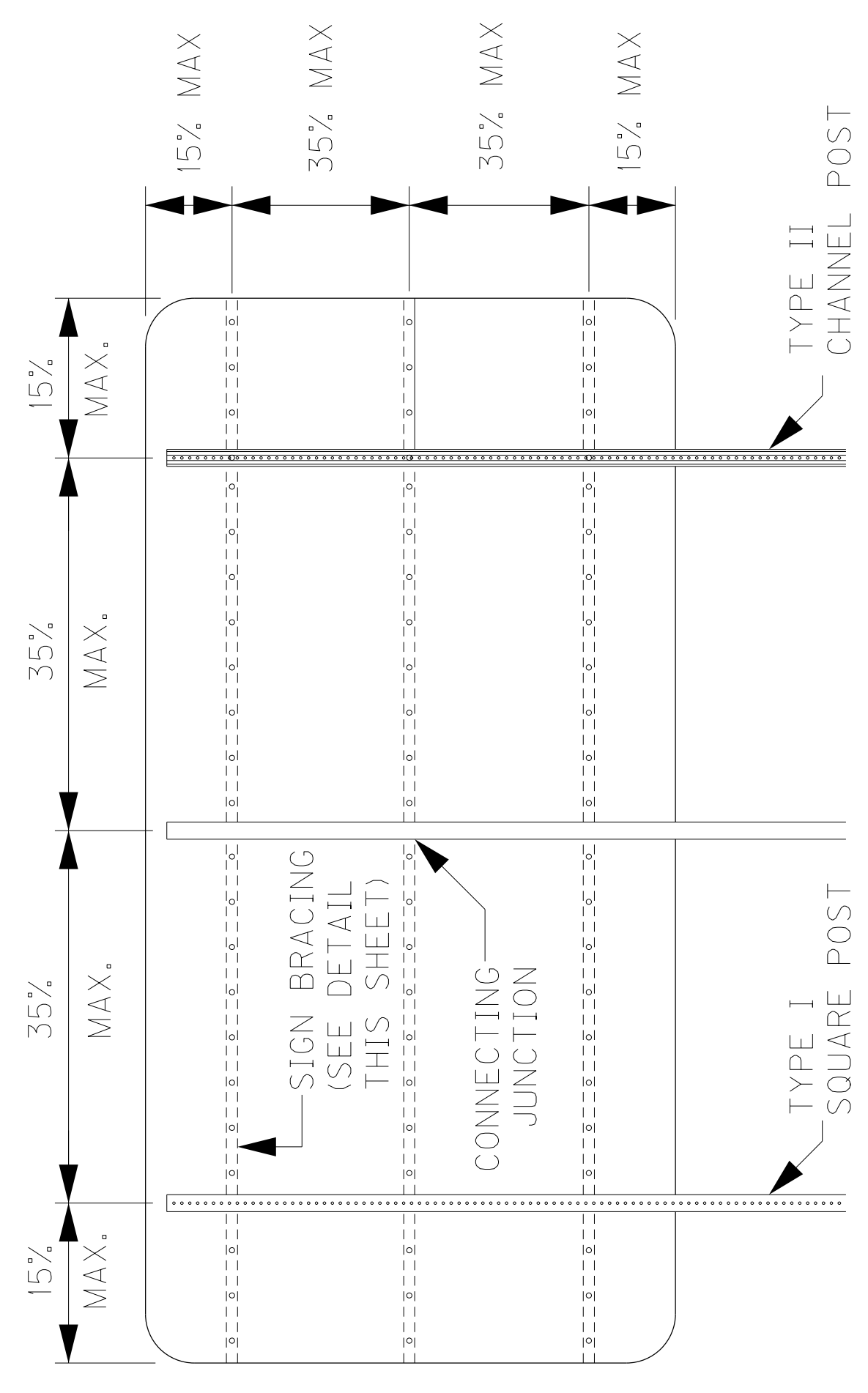
6061-T6 ALUMINUM ALLOY, PUNCHED WITH 3/16" DIAMETER HOLES ON 6" CENTERS FOR ATTACHMENT OF SIGN SUBSTRATE USING RIVETS



SIGN BRACE



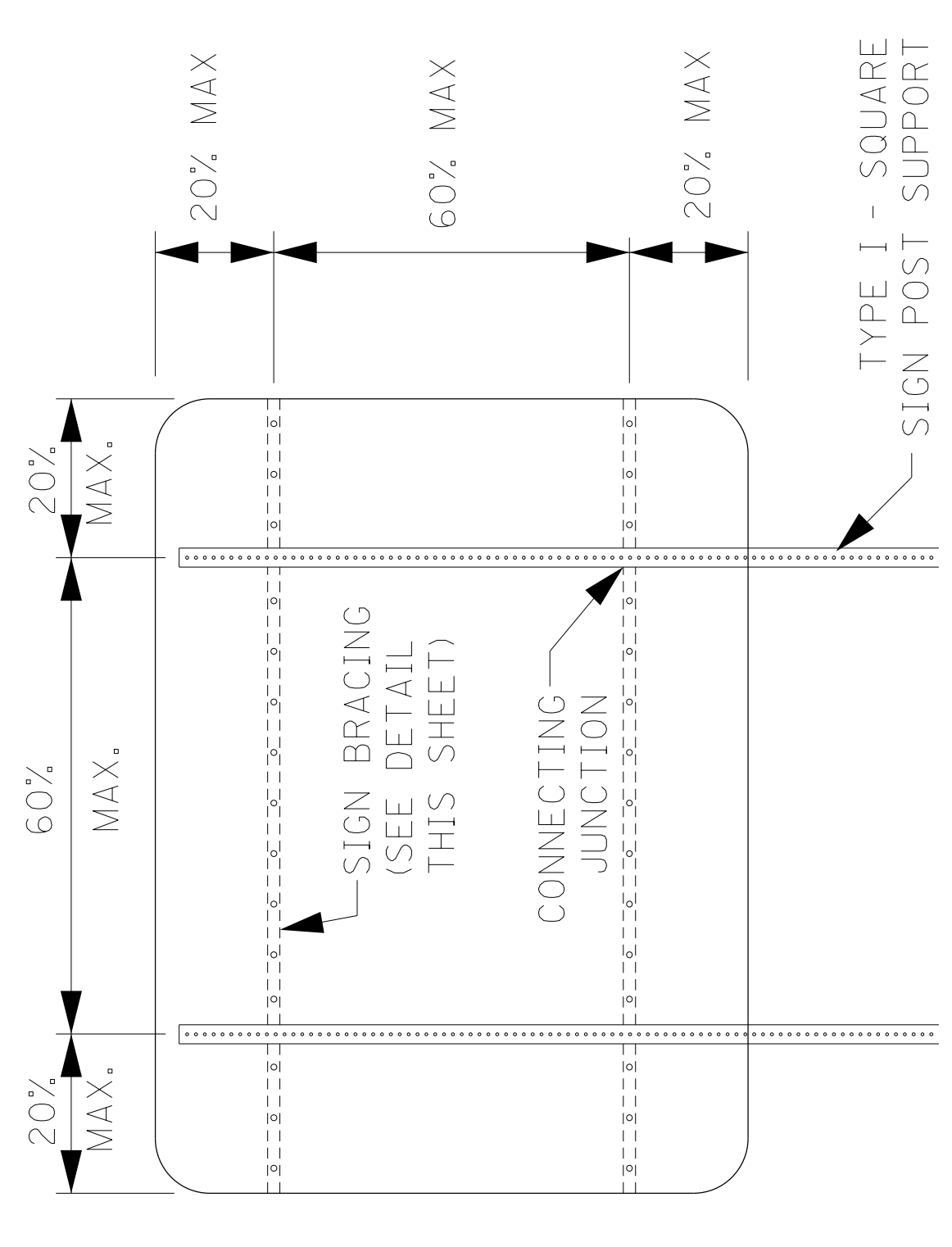
SQUARE POST CLAMP & BRACE



3 POST - BRACING DIAGRAM

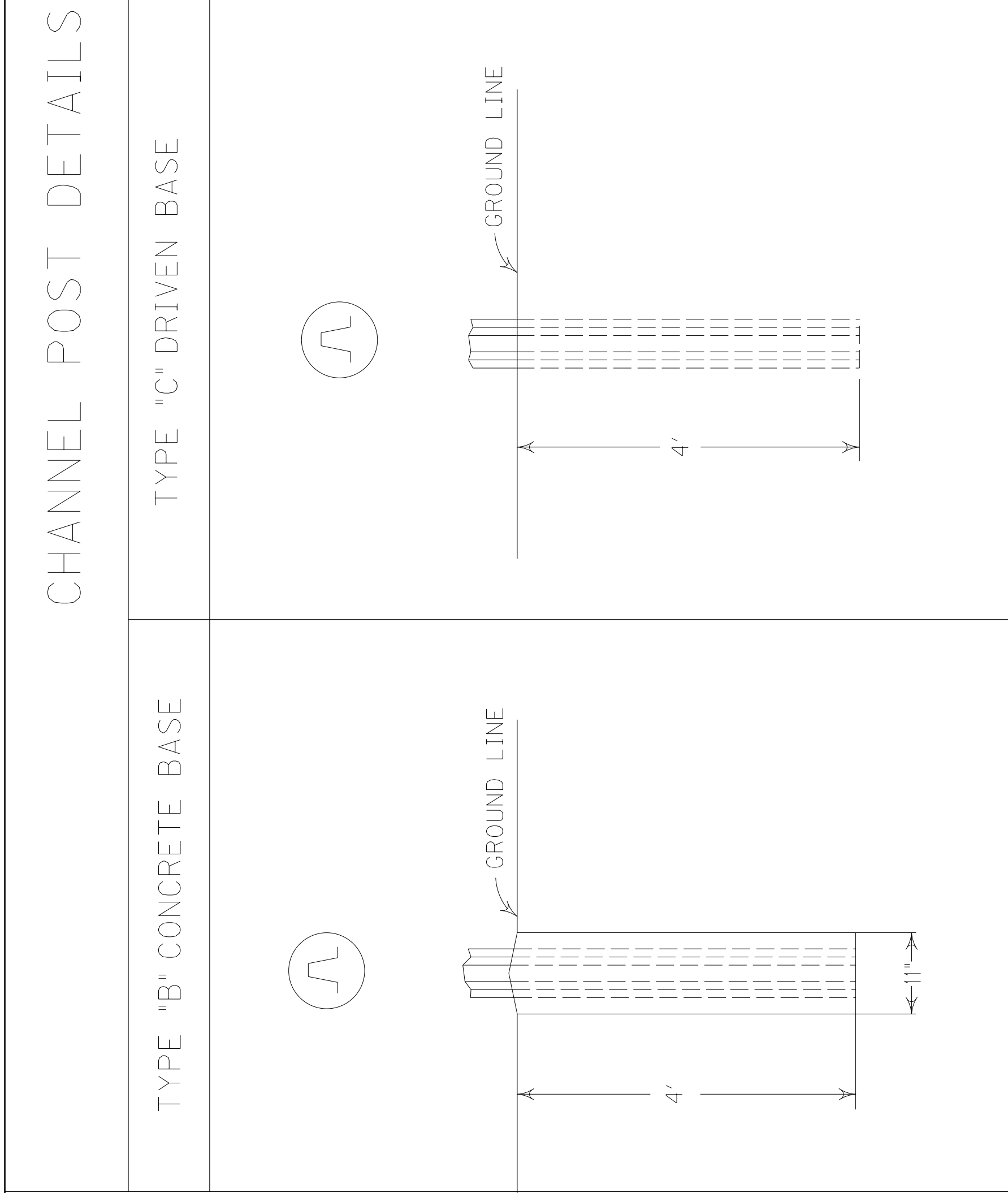
NOTE:
1. MAXIMUM AREA PER CONNECTING JUNCTION = 16 SQ. FT.

2. BRACING SHOULD NOT BE SPLICED WITHIN 6" OF A BRACE TO POST JUNCTION.



2 POST - BRACING DIAGRAM

NOTE:
USE OF SIGN BRACING NOT SHOWN ON THIS SHEET MAY BE PERMITTED BY PROJECT ENGINEER AND/OR DISTRICT TRAFFIC ENGINEER.



WOOD SHIMS AS NEEDED

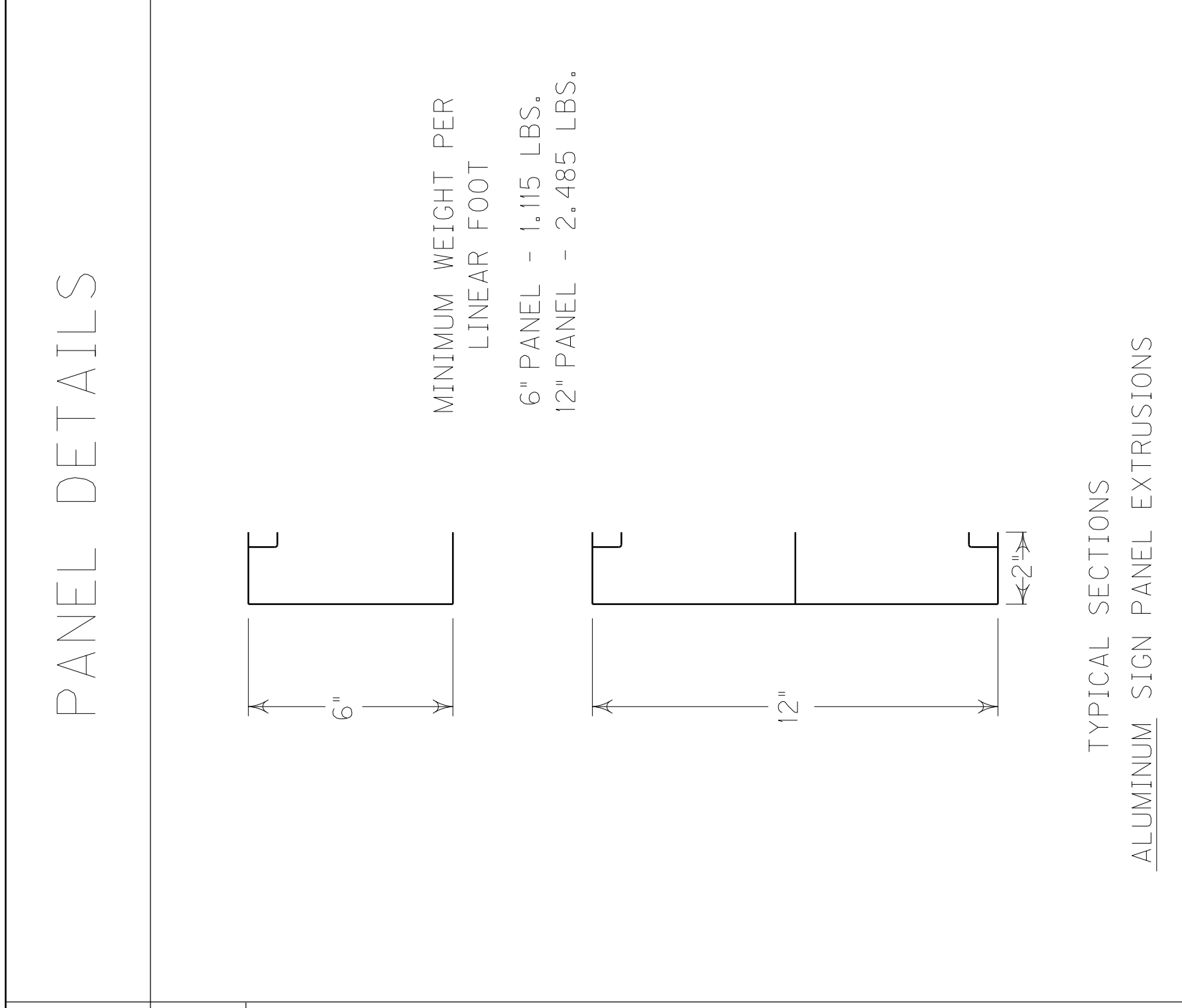
GROUT TO SECURE

FINISH GRADE

4.0" I.D. GALVANIZED STEEL PIPE

3' MINIMUM

THE COST FOR 4.0" I.D. GALVANIZED STEEL PIPE FOR TYPE "D" BASE AND THE WORK FOR THE INSTALLATION SHALL BE INCLUDED IN THE BID ITEM FOR STEEL POST TYPE 2.

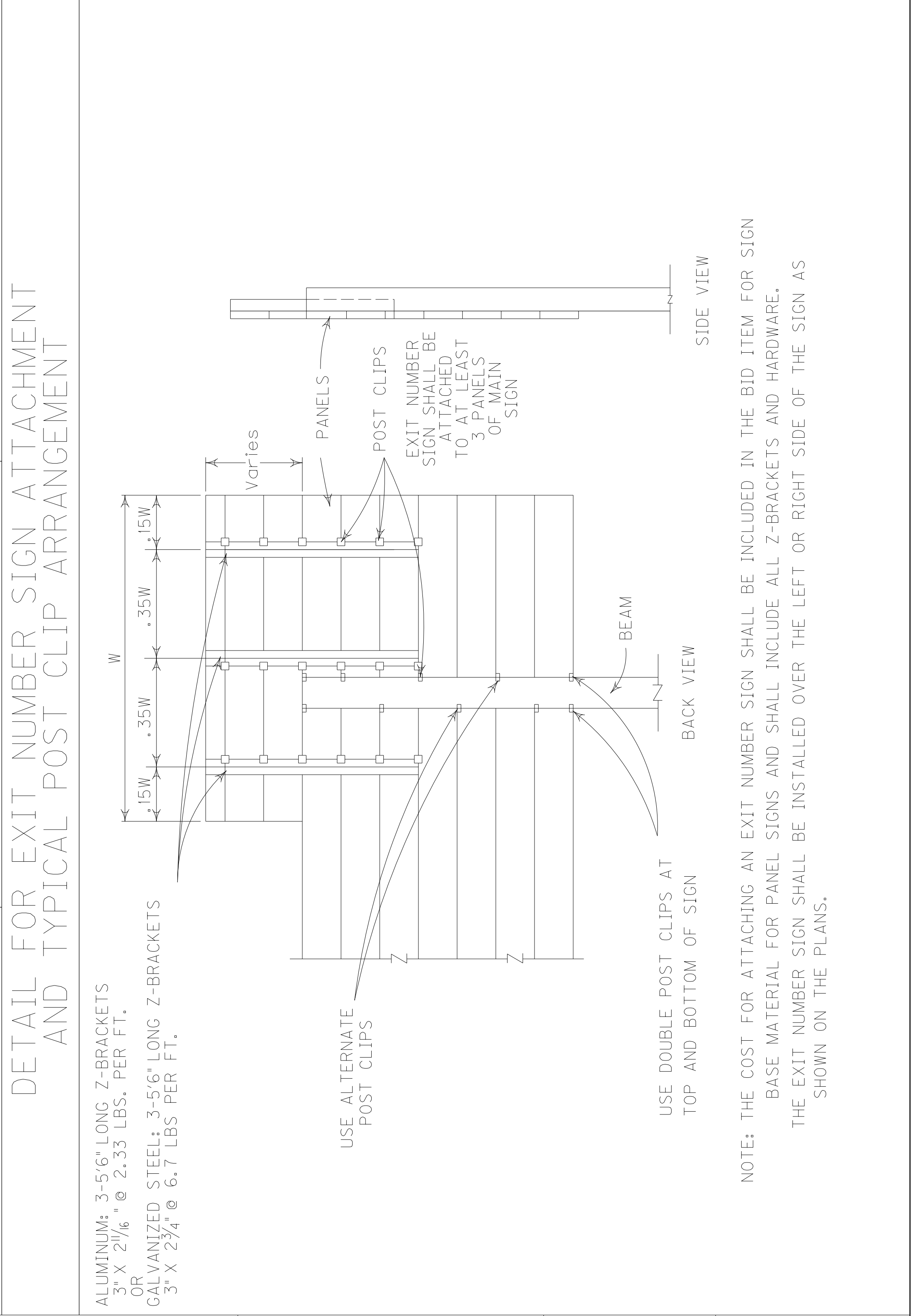
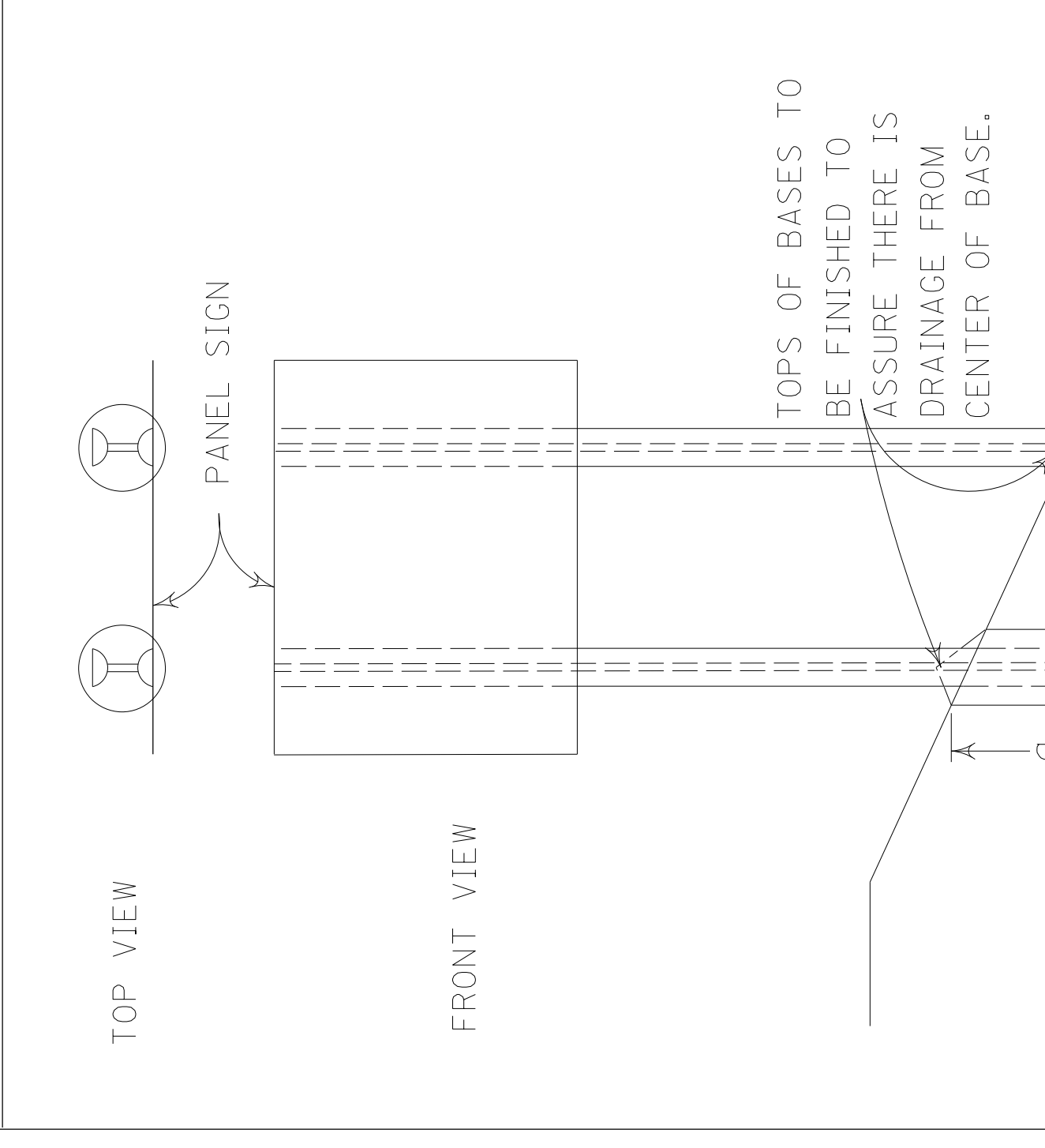


COUNTY OF FAYETTE

ITEM NO. 7-8909.20

SHEET NO. T008

TYPICAL BEAM WITH TYPE "A" CONCRETE BASE DETAIL



NOTE: SHOULD THE CONTRACTOR OVERDRILL THE HOLE, EXTRA CONCRETE WILL BE AT THE CONTRACTOR'S EXPENSE. PAYMENT WILL BE DETERMINED BY THE "a" DIMENSION.

PANEL SIGN

SIDE VIEW

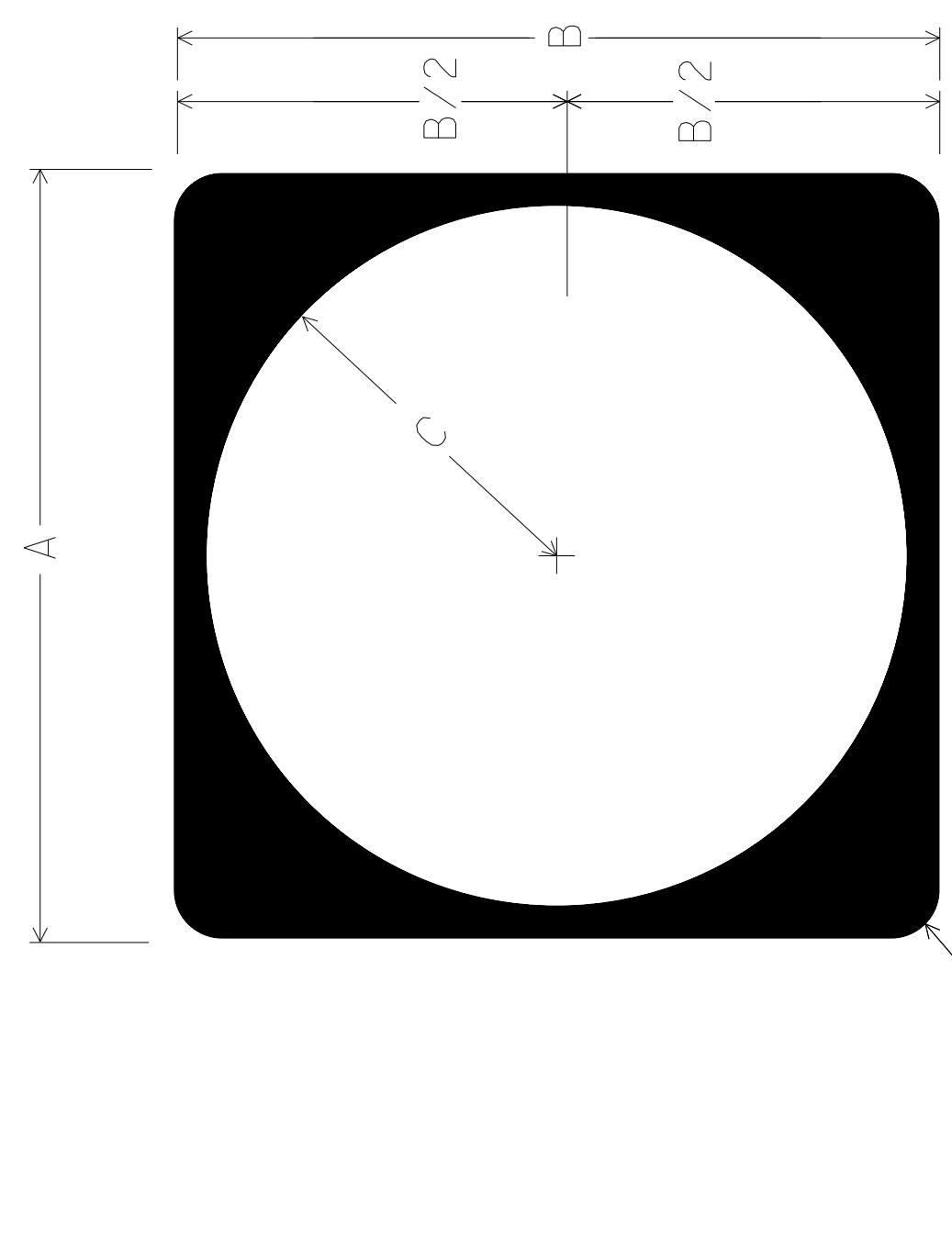
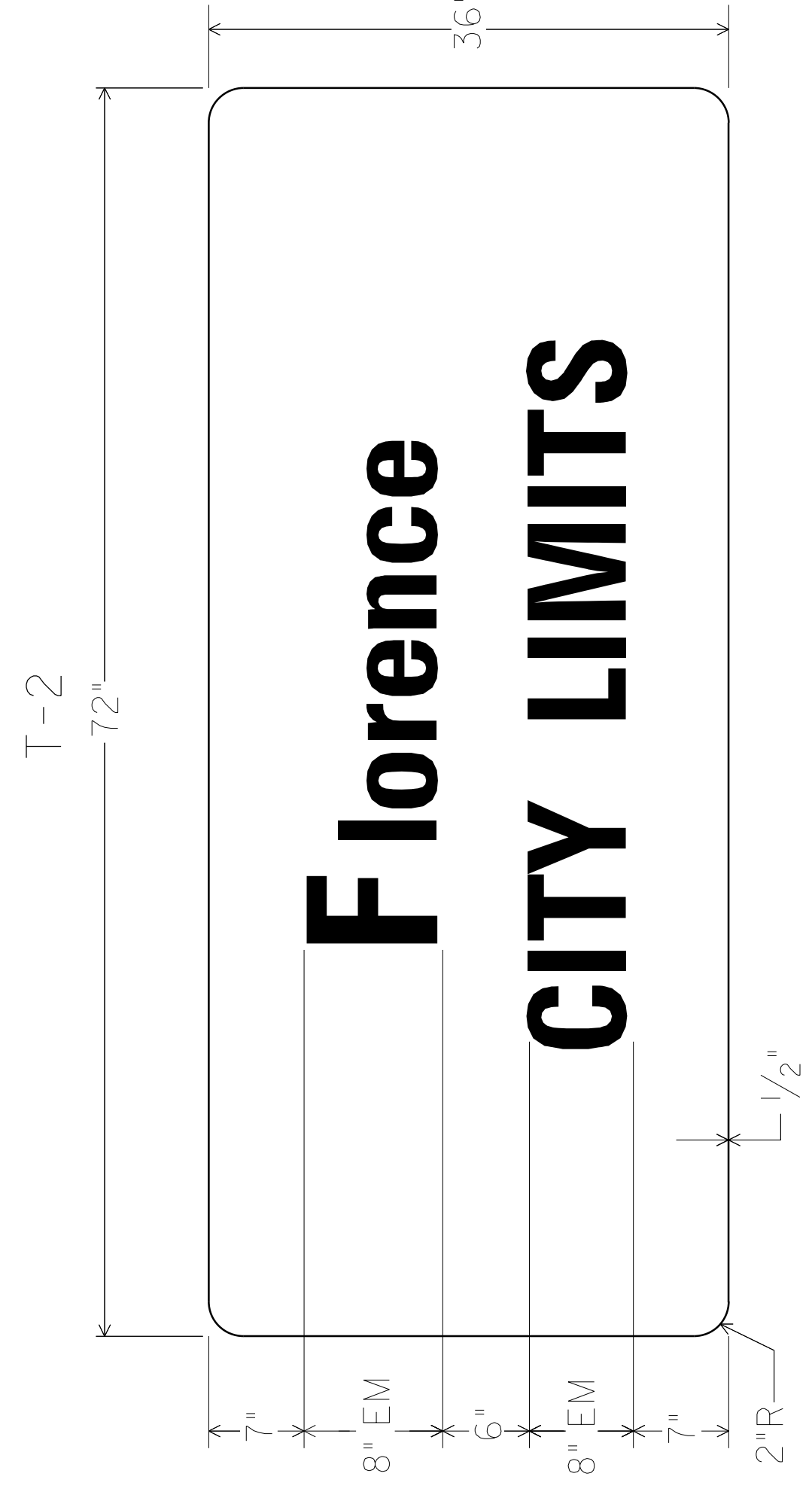
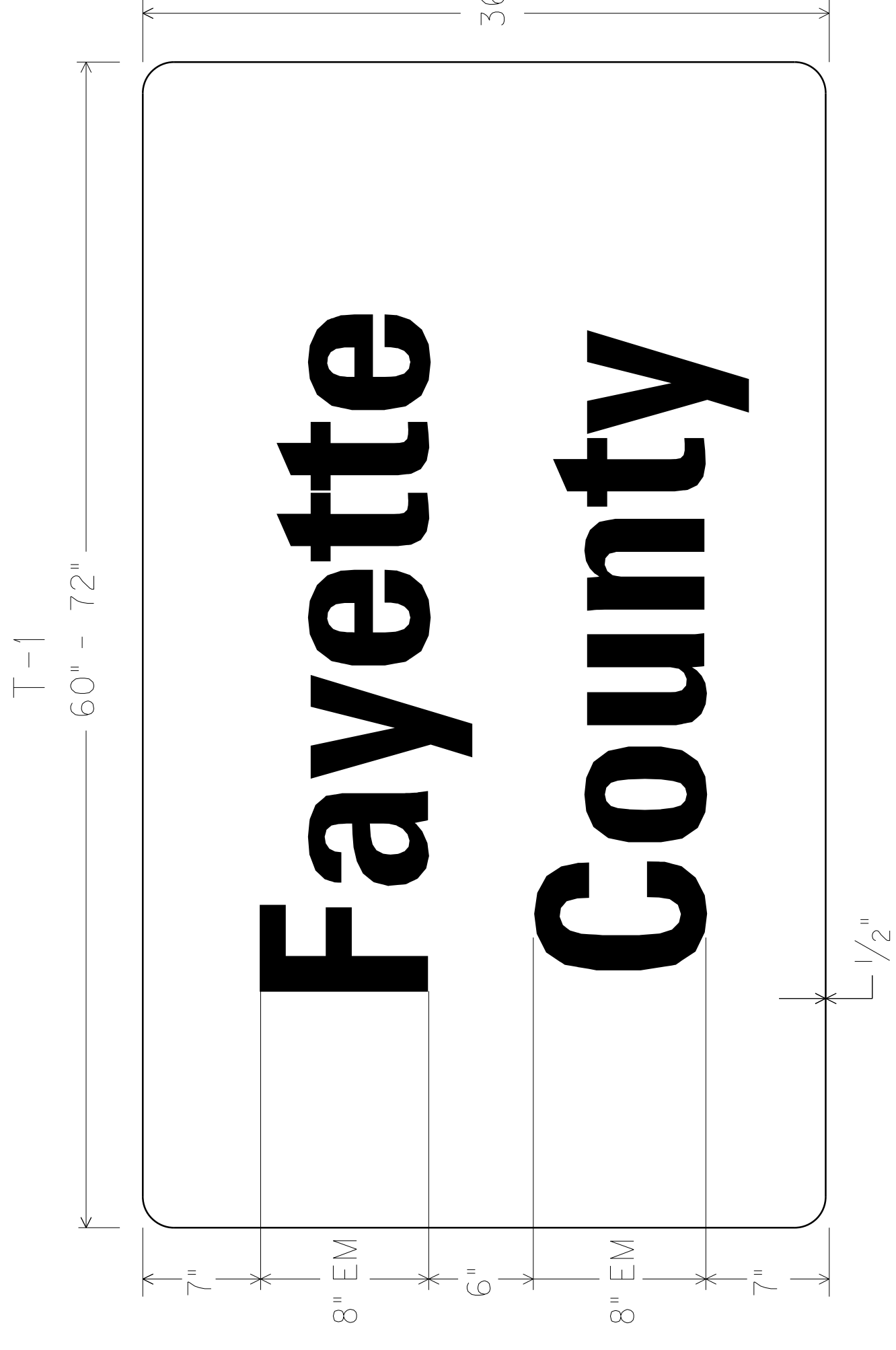
STANDARD SECTION

BOTTOM SECTION

TYPICAL SECTIONS

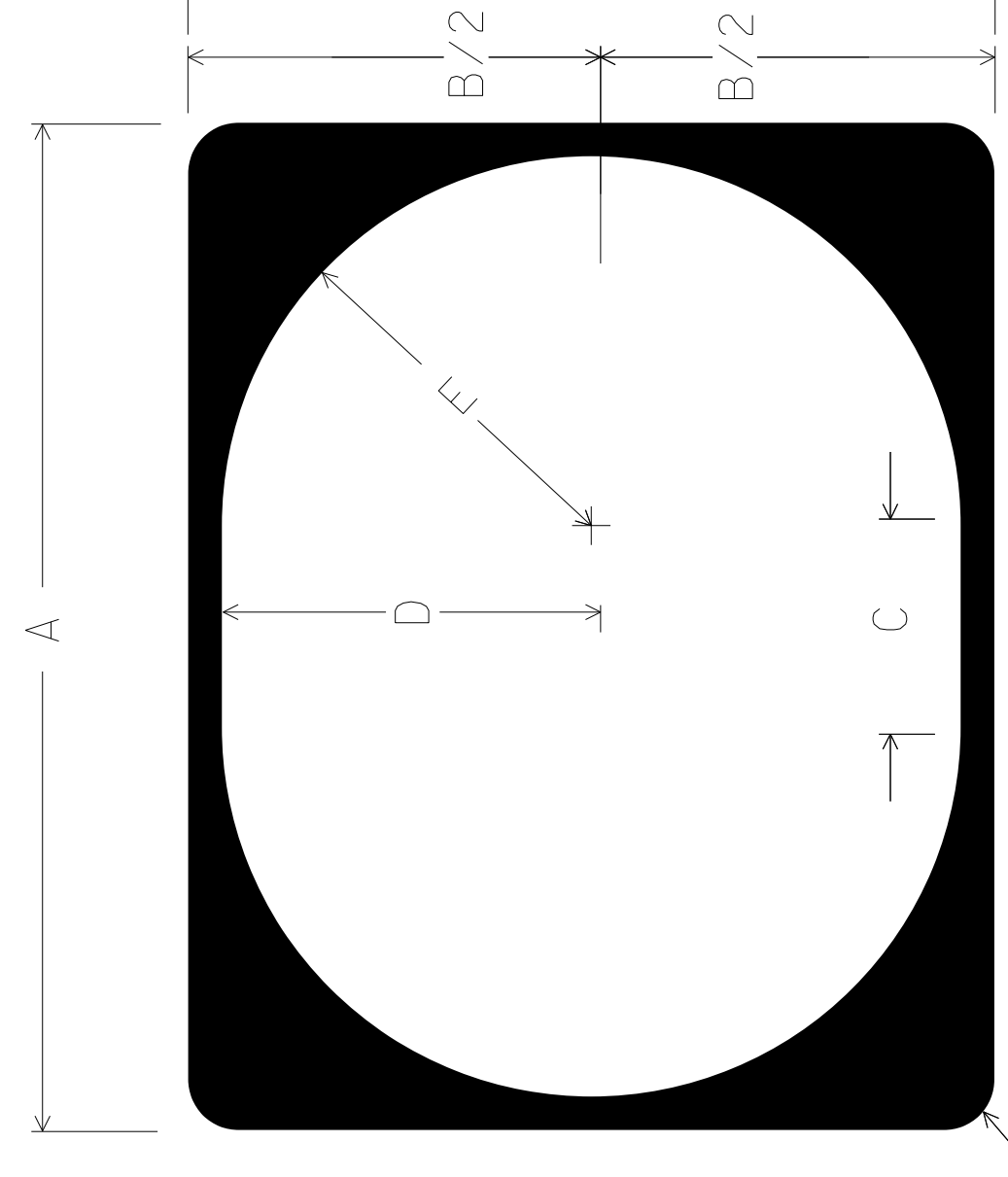
NOT TO SCALE

SIGNING MISCELLANEOUS DETAIL SHEET



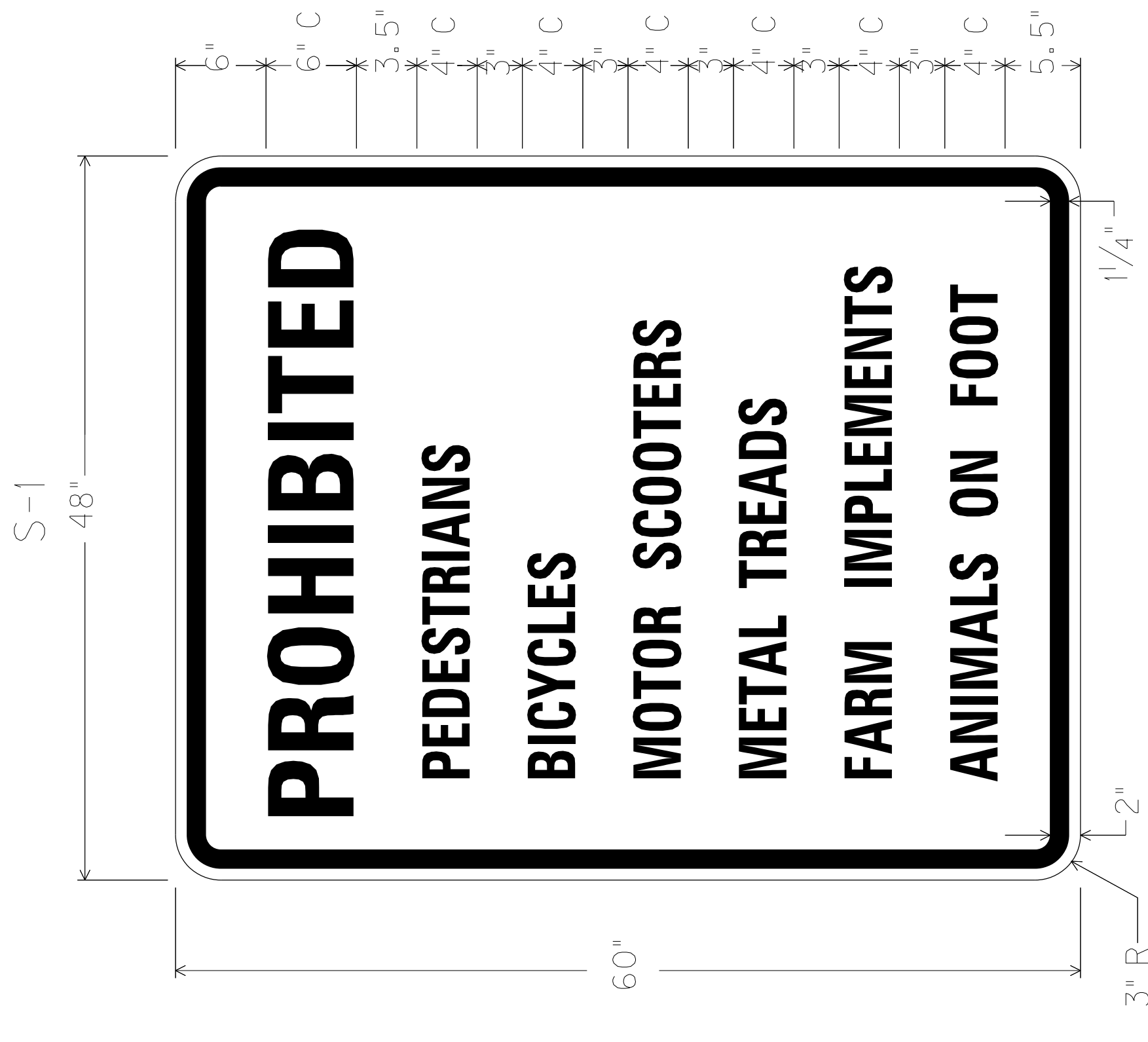
M1-5 (1 OR 2 DIGIT)

| | A | B | C | FONT | |
|----------------------|-----|-----|-----|---------|---------|
| | | | | 3 DIGIT | 4 DIGIT |
| CONVENTIONAL | 24" | 24" | 11" | 12D | 18D |
| EXPRESSWAY / FREEWAY | 36" | 36" | 17" | 18D | |



M1-5 (3 OR 4 DIGIT)

| | A | B | C | D | E | FONT | |
|----------------------|-----|-----|----|-------|-------|---------|---------|
| | | | | | | 3 DIGIT | 4 DIGIT |
| CONVENTIONAL | 30" | 24" | 6" | 11" | 11" | 12D | 12B |
| EXPRESSWAY / FREEWAY | 45" | 36" | 9" | 16.5" | 16.5" | 18D | 18B |



NOTE: FOR ROUTE MARKERS, IF NECESSARY, ADJUSTMENTS TO THE DIGIT LAYOUT AND/OR FONT TYPE MAY BE MADE TO ENSURE VISUAL ACUITY

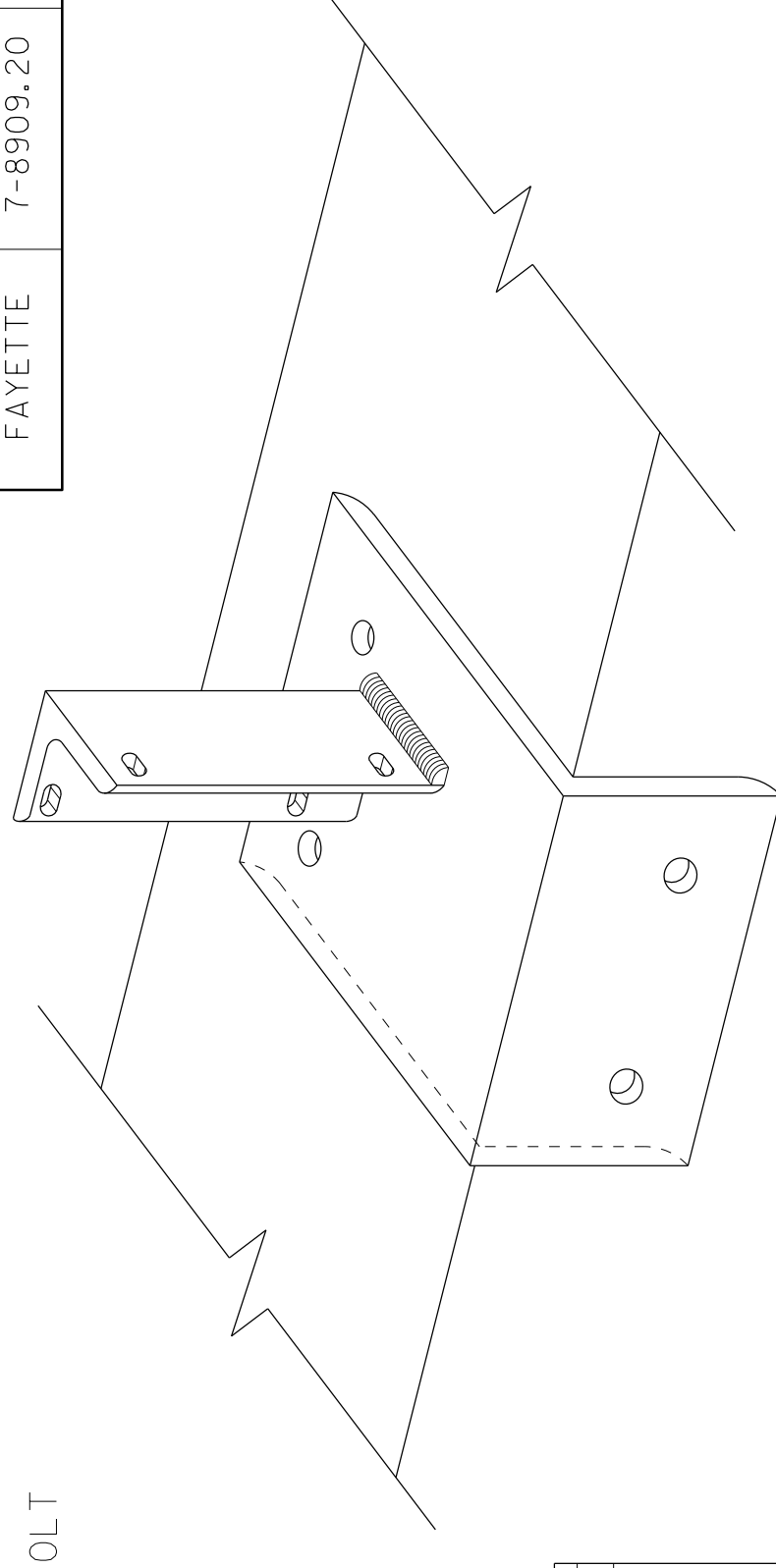
NOTE: EXPRESSWAY/FREEWAY DEFINED AS A DIVIDED HIGHWAY WITH PARTIAL OR FULL CONTROL OF ACCESS

NOT TO SCALE

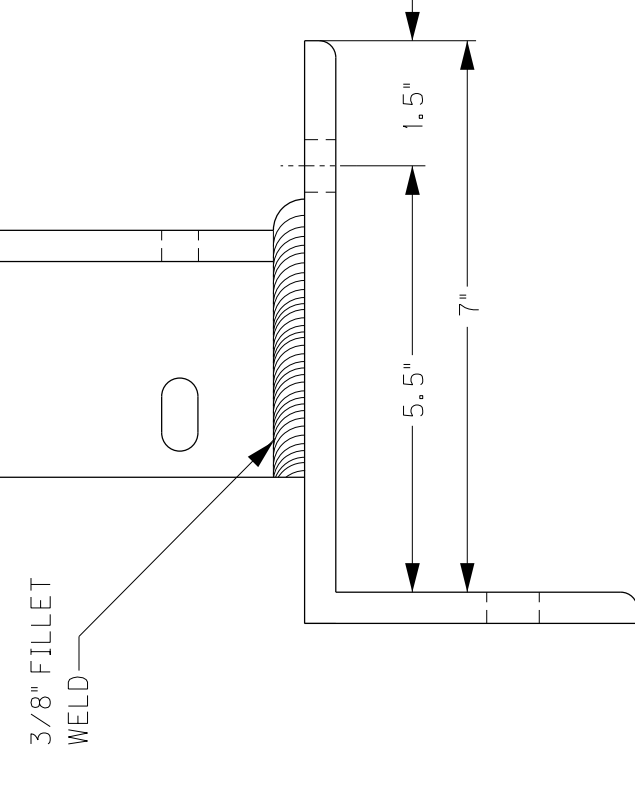
TYPICAL SIGNS

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.20 | T010 |

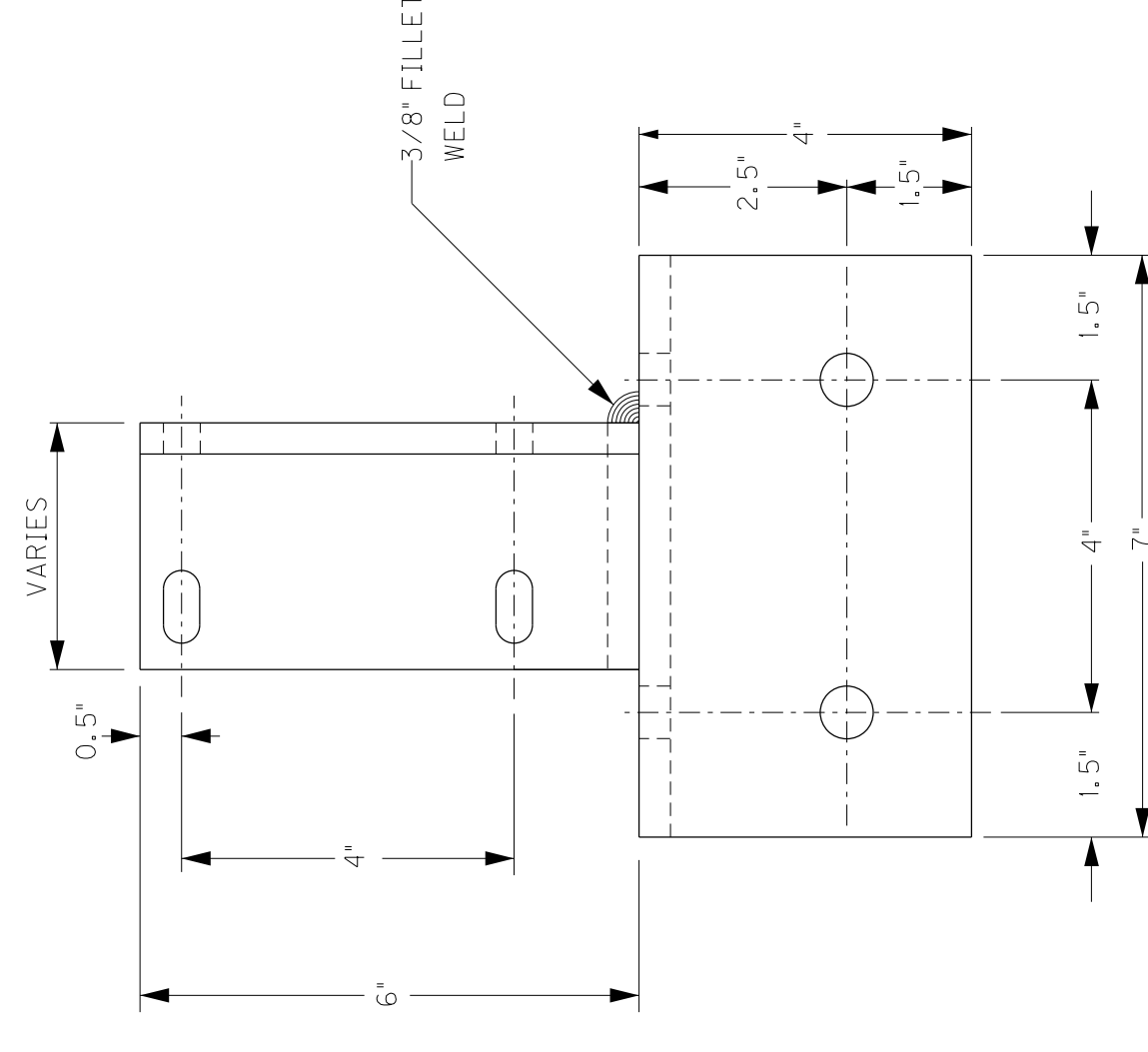
USE 5/16" LARGE CORNER BOLT FOR 3" ANCHOR WITH WASHERS & HEX-JAM NUT



ISOMETRIC VIEW



RIGHT SIDE



FRONT

NOTES:
ALL ROUND HOLES 5/8" O AND ALL OBLONG HOLES ARE 7/16" X 7/8".

ALL HARDWARE SHALL BE GALVANIZED STEEL OR STAINLESS STEEL AS SPECIFIED.

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS.

ATTACH TO BARRIER WALL USING 1/2" X 13 TPI GRADE 8 BOLTS WITH CONCRETE ANCHOR.

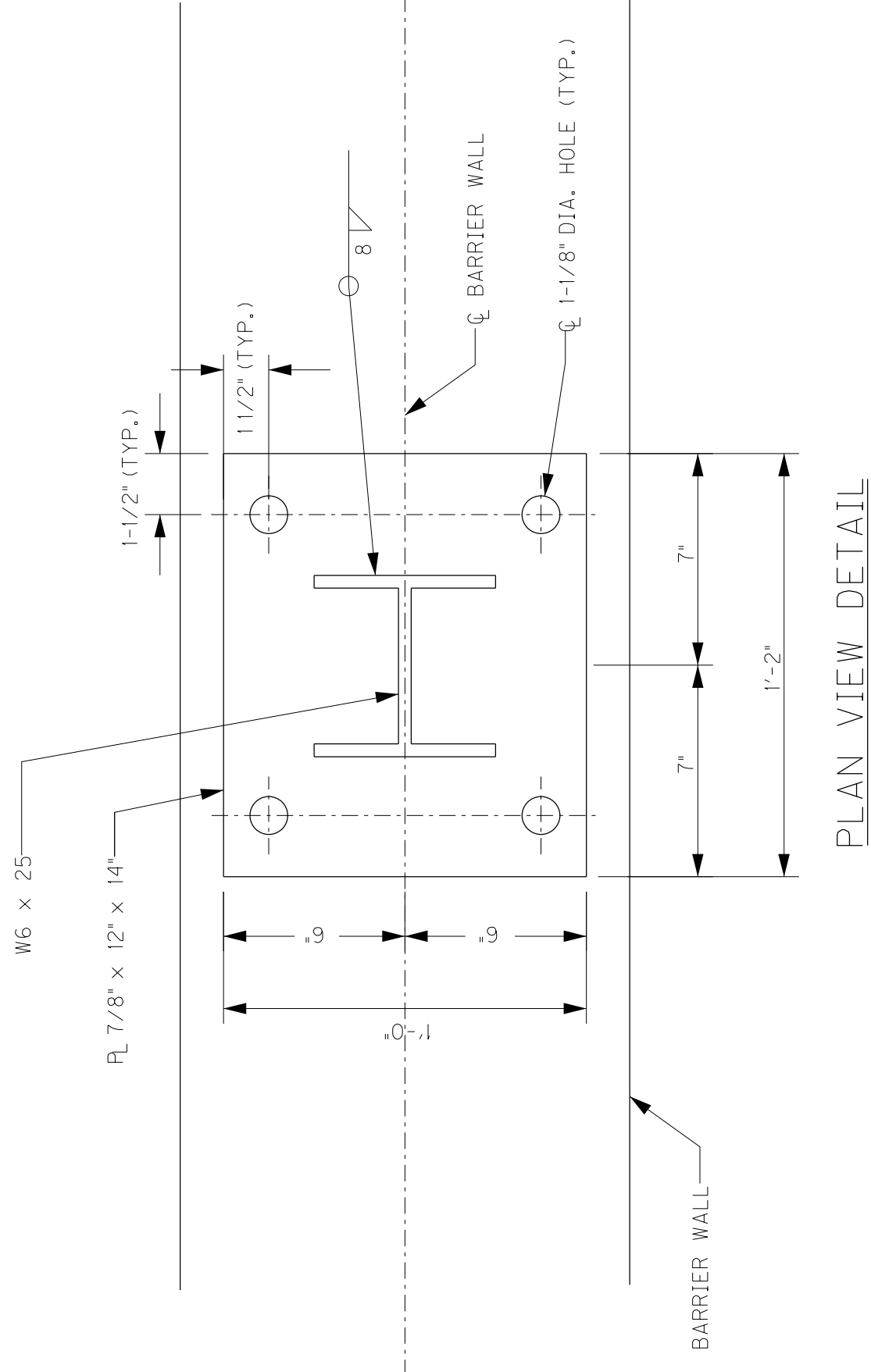
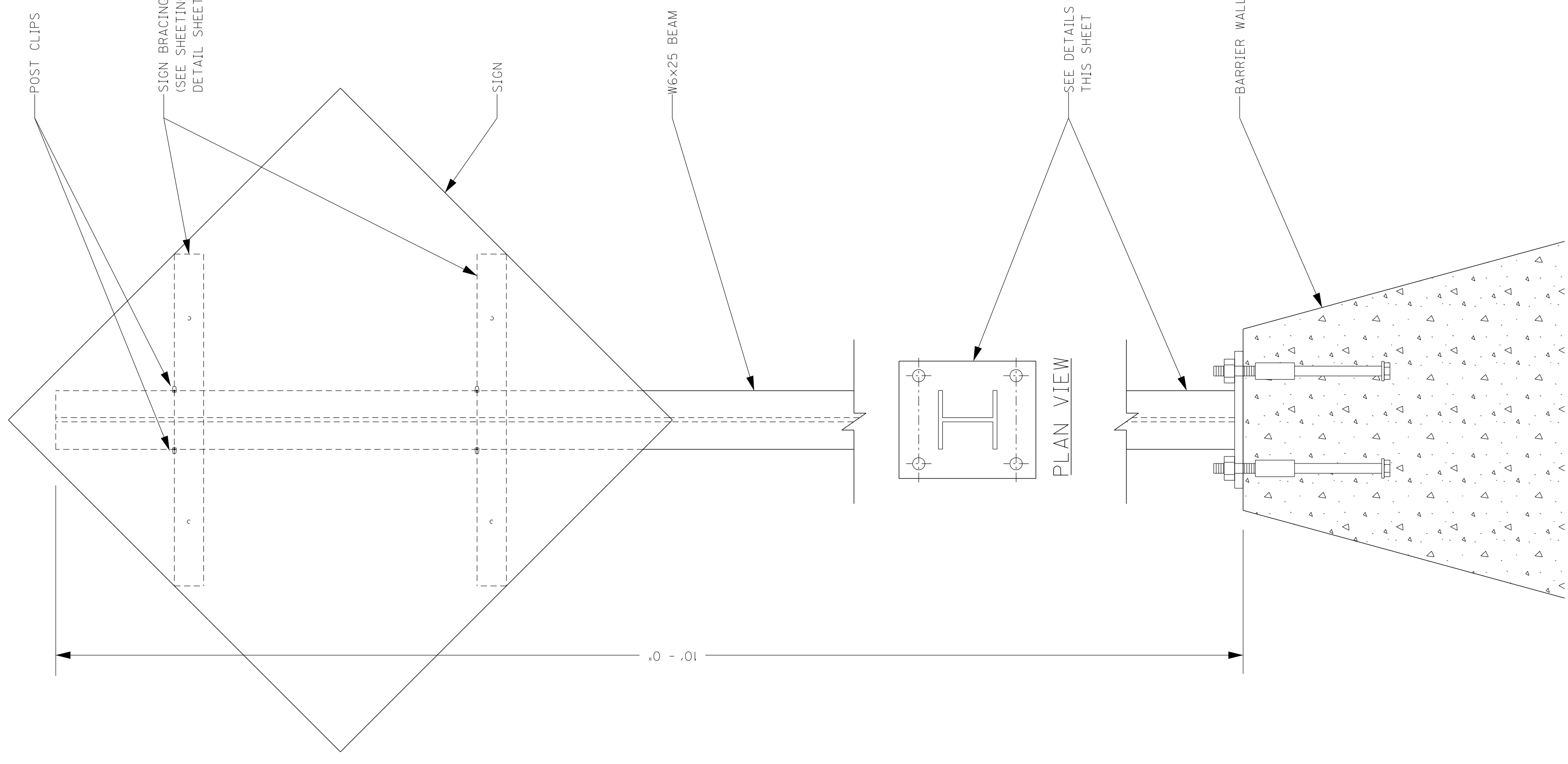
IF GALVANIZE COATING IS DAMAGED, TREAT WITH COLD GALVANIZING COMPOUND SPRAY.

MATERIALS:
ASTM A36 STRUCTURAL ANGLE, 3/8" THICK WITH 3/8" FILLET WELD.

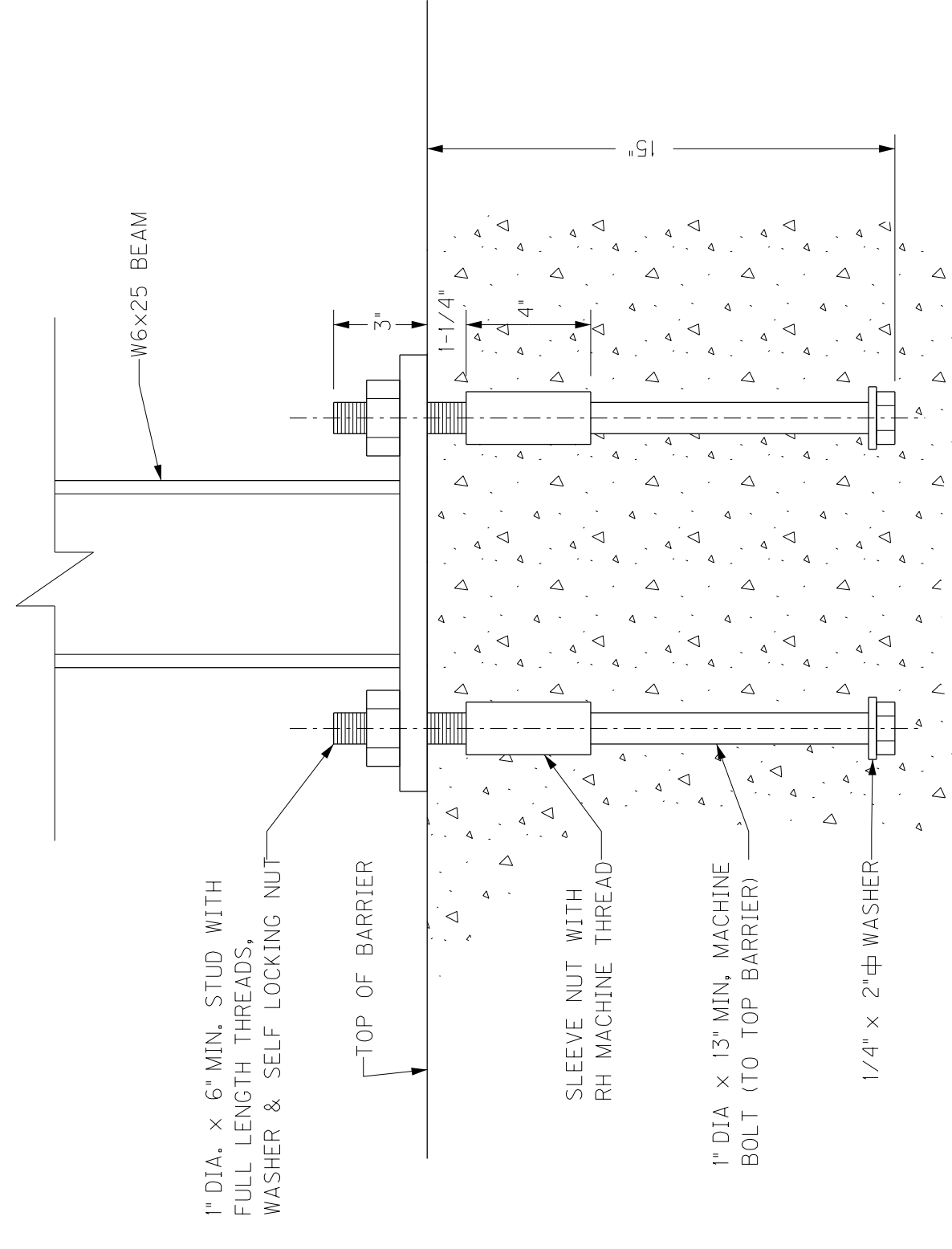
BARRIER MOUNTING BRACKET
WITH ENHANCED REFERENCE
LOCATION SIGN
(BLUE BACKGROUND)

BARRIER WALL MOUNTING DETAILS

NOT TO SCALE



PLAN VIEW DETAIL



ANCHOR DETAIL

GENERAL NOTES:
POST CLIPS, BRACKETS AND SIGN TO BE CAPABLE OF SUSTAINING 20 LBS. PER SQUARE FOOT OF SIGN AREA.

THE COST FOR MAKING THE WALL POST AND ANY HARDWARE REQUIRED TO COMPLETE THE INSTALLATION SHALL BE INCLUDED IN THE COST OF BARRIER WALL POST.

ANCHOR ALTERNATIVES:

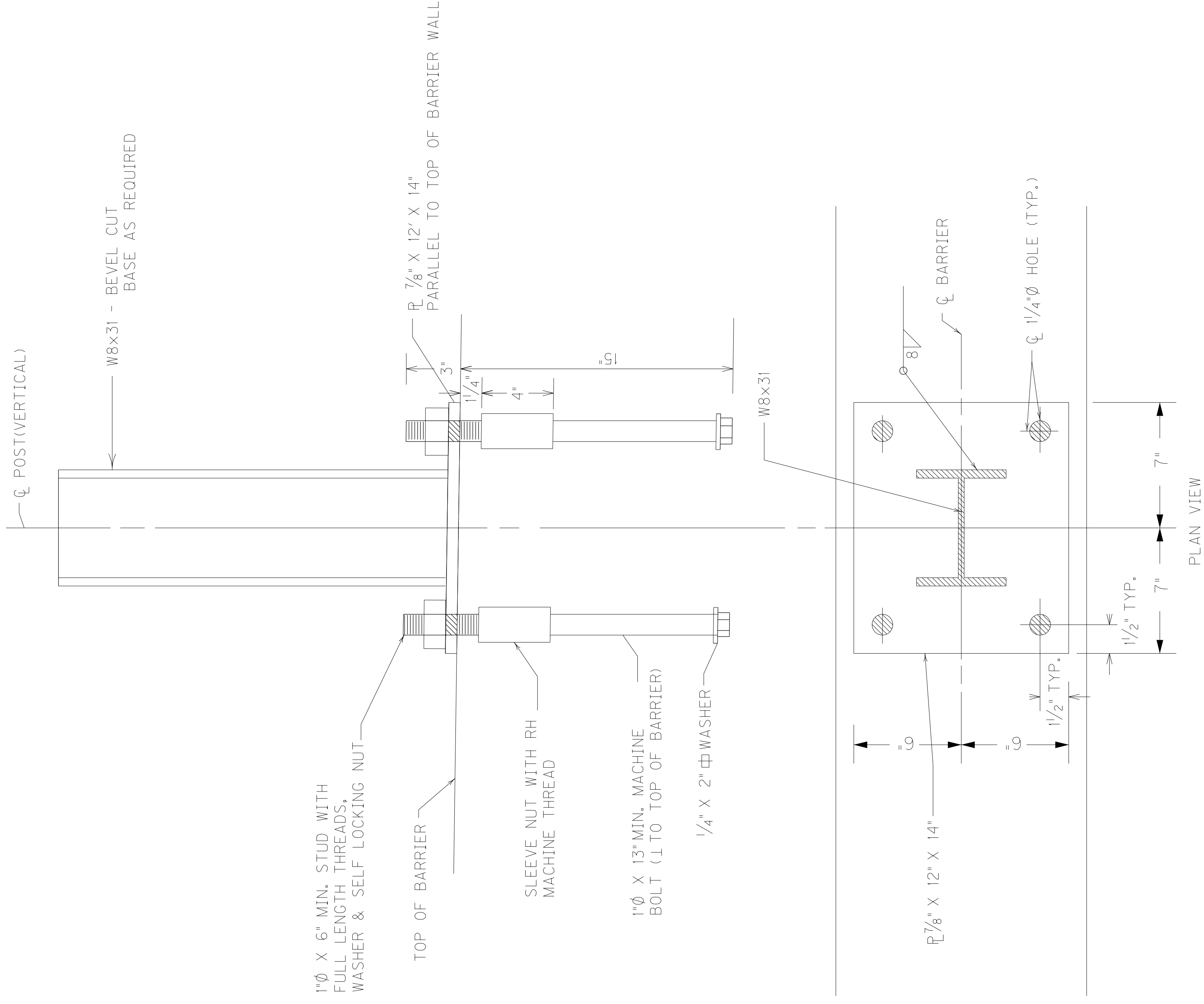
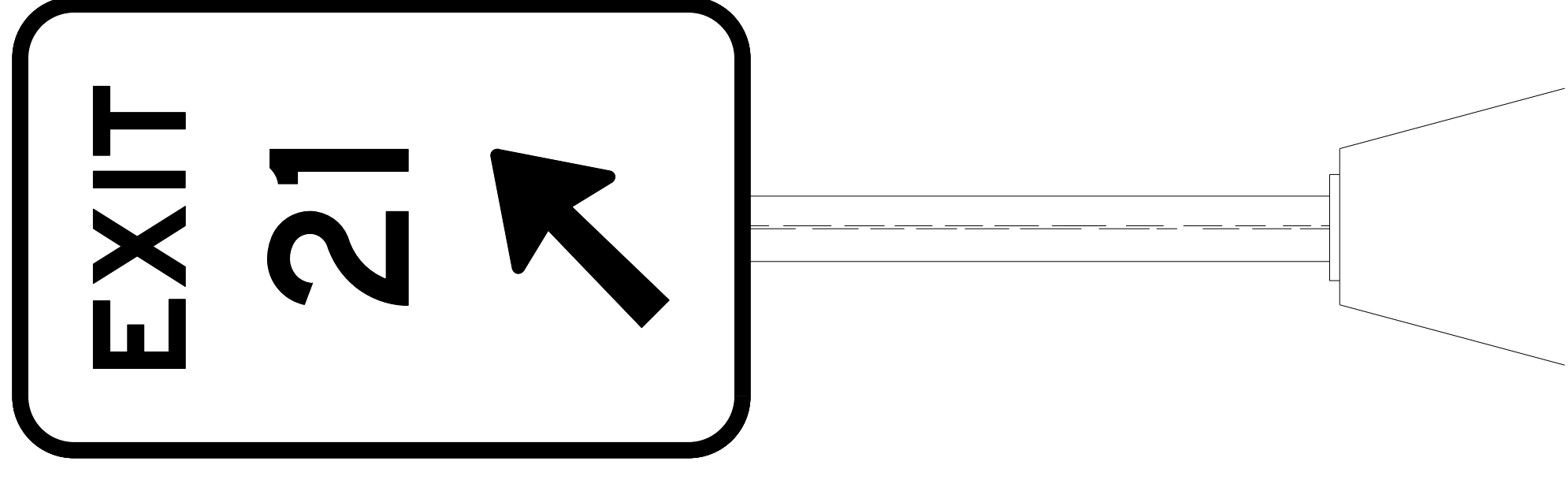
DRILL 1-3/8" O X 14" HOLE FOR #8 X 16" REINFORCING BAR WITH 1" X 4" MACHINE THREADS. BOND ANCHORS IN HOLE WITH POLYESTER RESIN.

MATERIAL SPECIFICATIONS:

ALL STEEL TO BE FROM ASTM A572. ALL HOLES SHALL BE DRILLED. PLATE CUTS SHALL BE SAW CUT AND ALL EDGES GROUND SMOOTH. BOLT MATERIALS SHALL BE ASTM A307 OR EQUIVALENT AND BE GALVANIZED. GALVANIZE AFTER FABRICATION PER ASTM A123.

BARRIER WALL POST

THE COST FOR MAKING THE WALL POST AND ANY HARDWARE REQUIRED TO COMPLETE THE INSTALLATION SHALL BE INCLUDED IN THE COST OF BARRIER WALL POST.



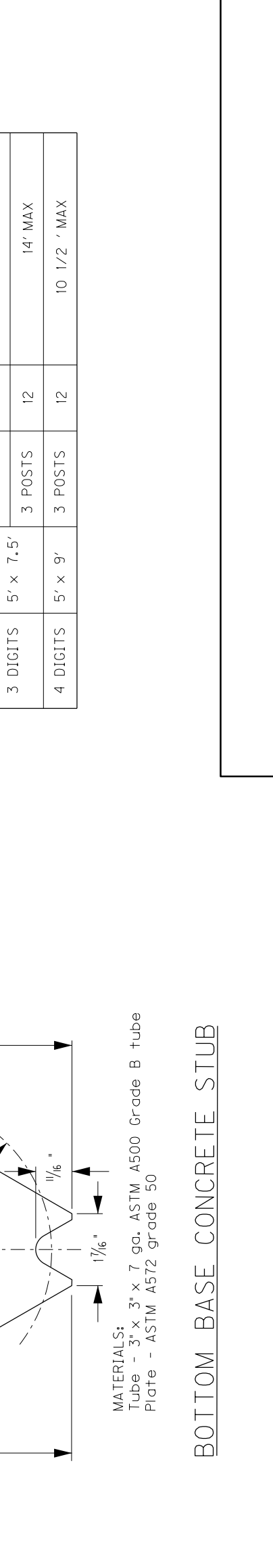
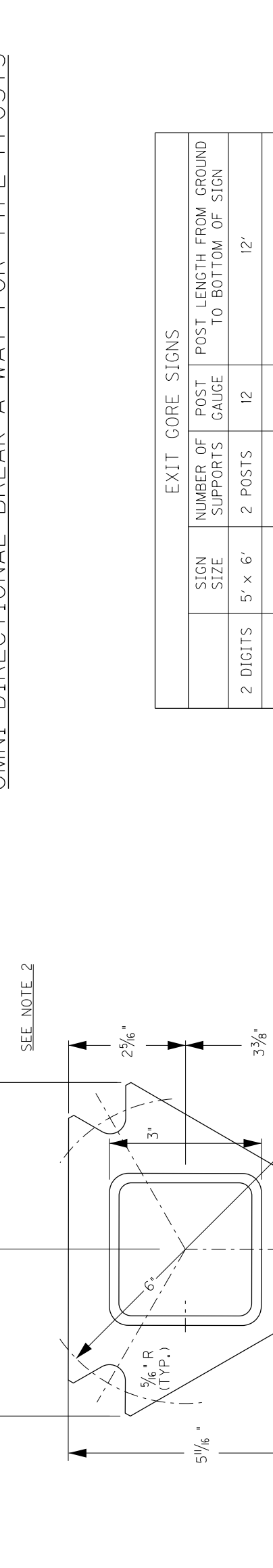
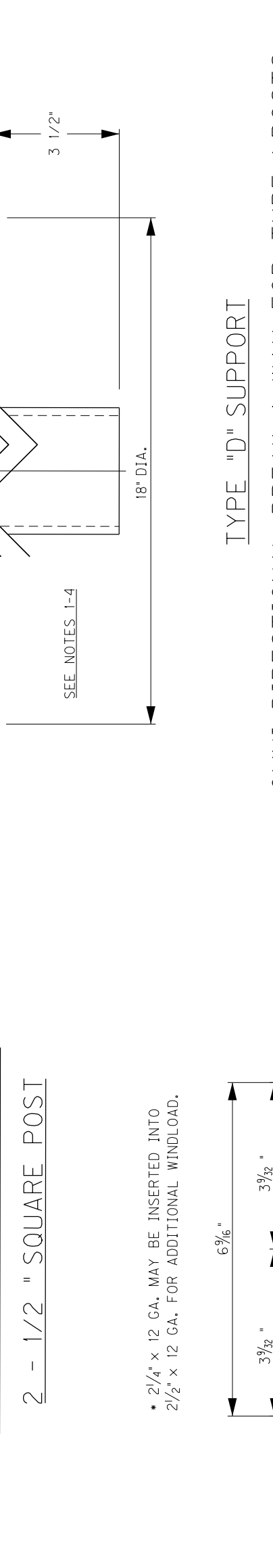
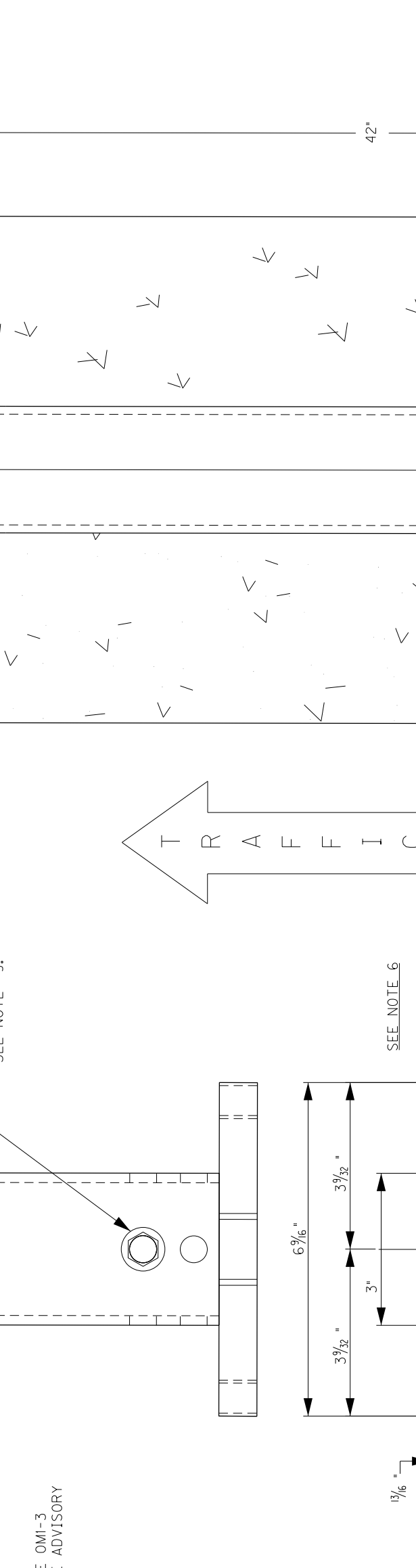
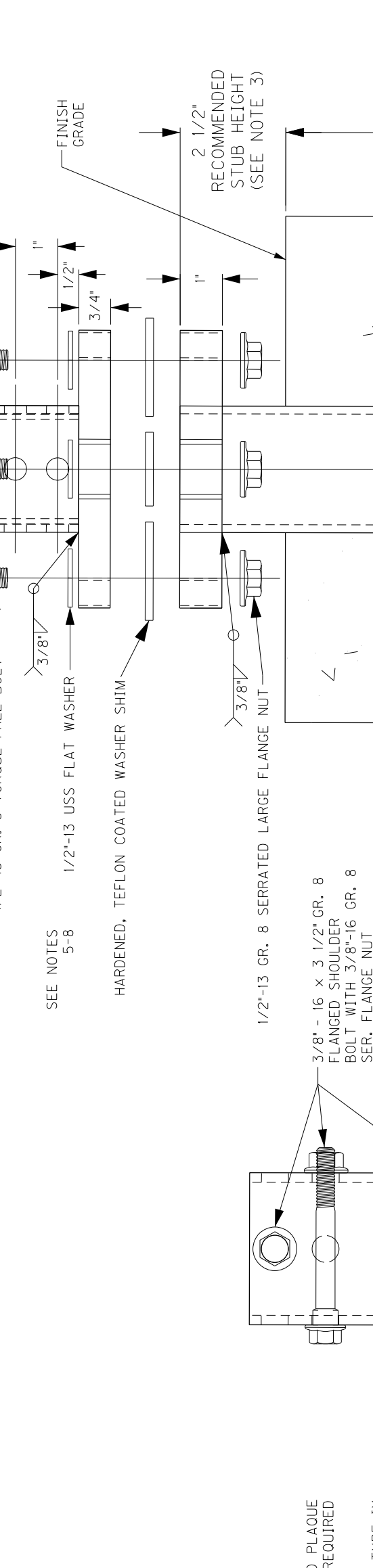
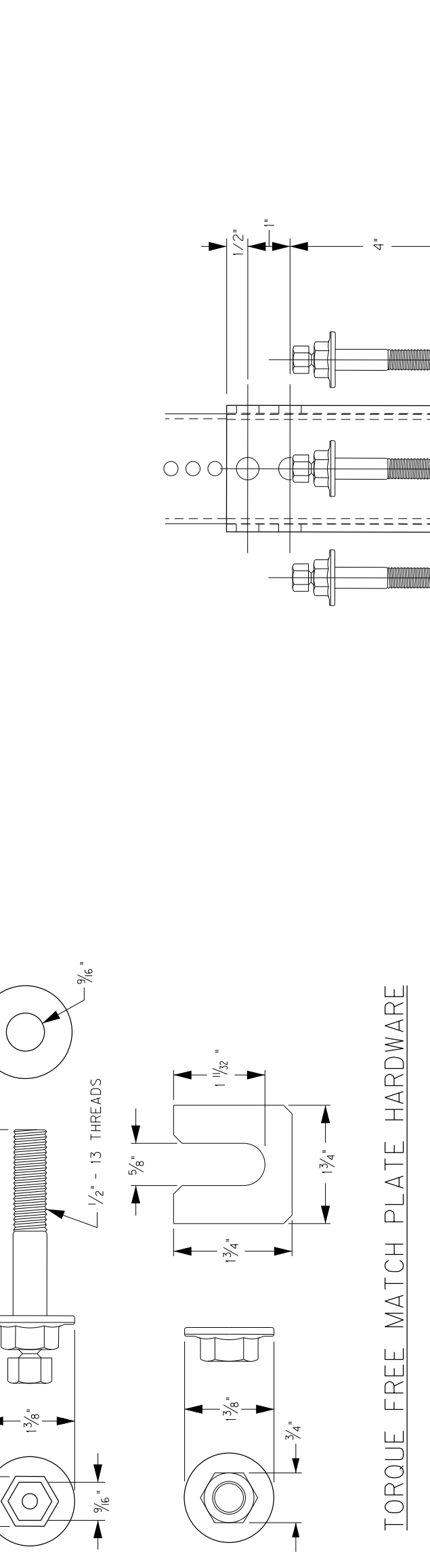
BARRIER WALL POST

ANCHOR ALTERNATIVES
 DRILL $1\frac{3}{8}''\phi$ X 14" HOLE FOR #29 X 16" REINFORCING BAR WITH 1" X 4" MACHINE THREADS. BOND ANCHORS IN HOLE WITH POLYESTER RESIN.

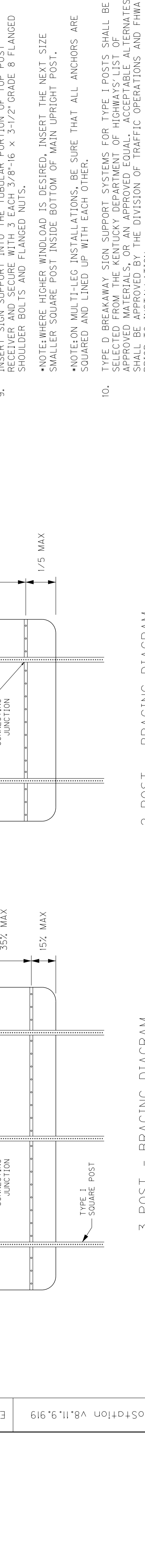
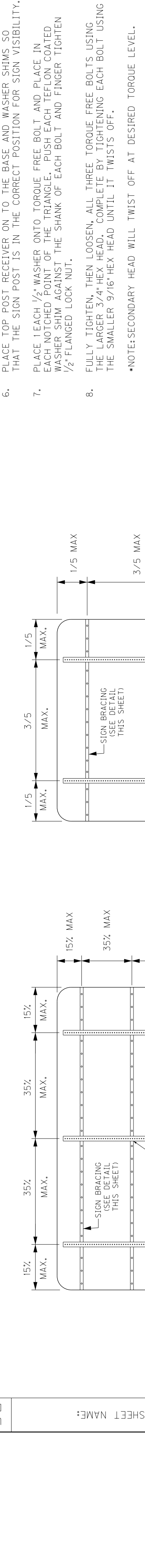
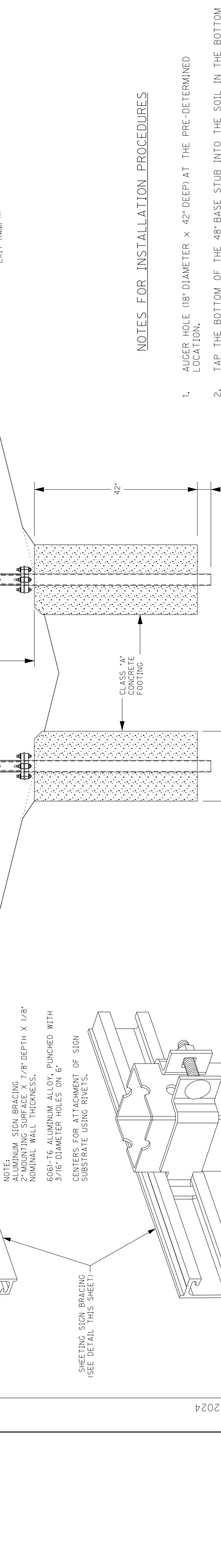
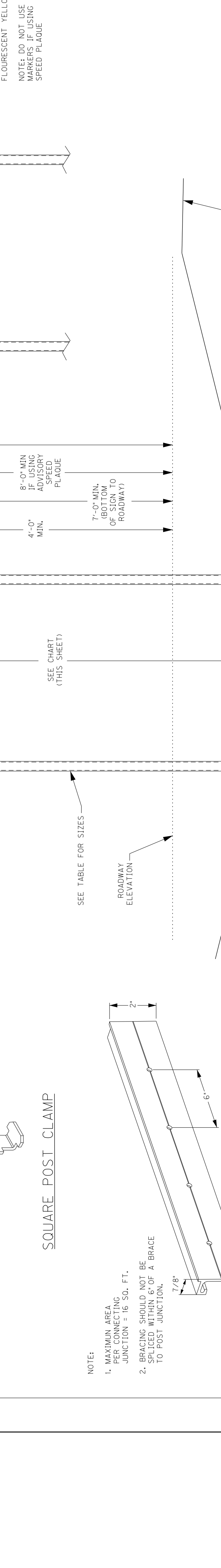
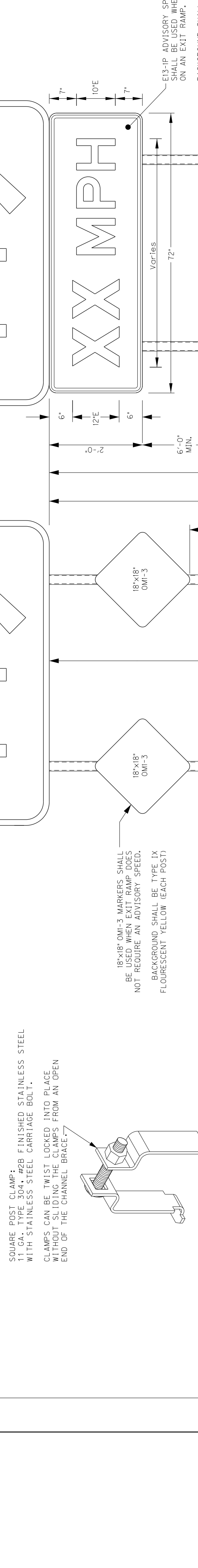
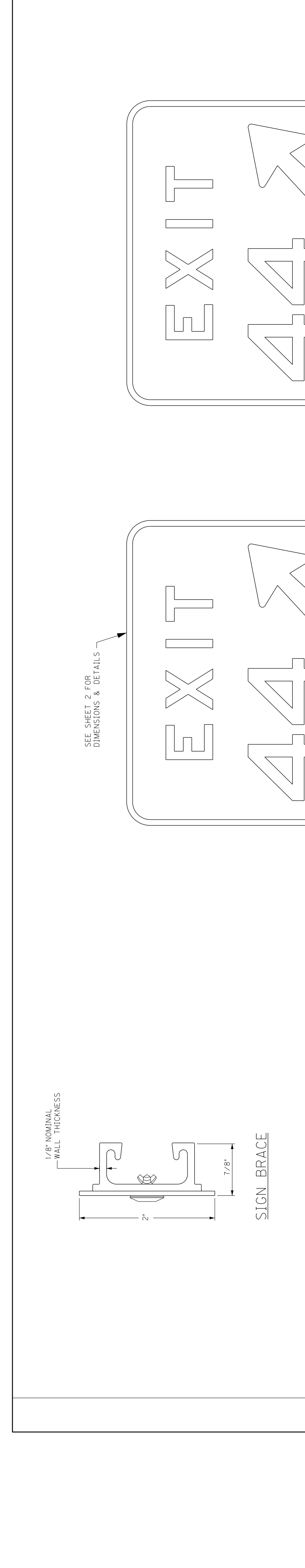
MATERIAL SPECIFICATIONS
 ALL STEEL TO BE FROM ASTM A572. GALVANIZE AFTER FABRICATION PER ASTM A123. ALL HOLES SHALL BE DRILLED. PLATE CUTS SHALL BE SAW CUT AND ALL EDGES GROUND SMOOTH. BOLT MATERIALS SHALL BE ASTM A307 OR EQUIVALENT AND BE GALVANIZED.

BEAM ATTACHMENT
 SEE SIGNING MISCELLANEOUS DETAIL SHEET FOR THE POST CLIP ARRANGEMENT.

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.20 | T011 |



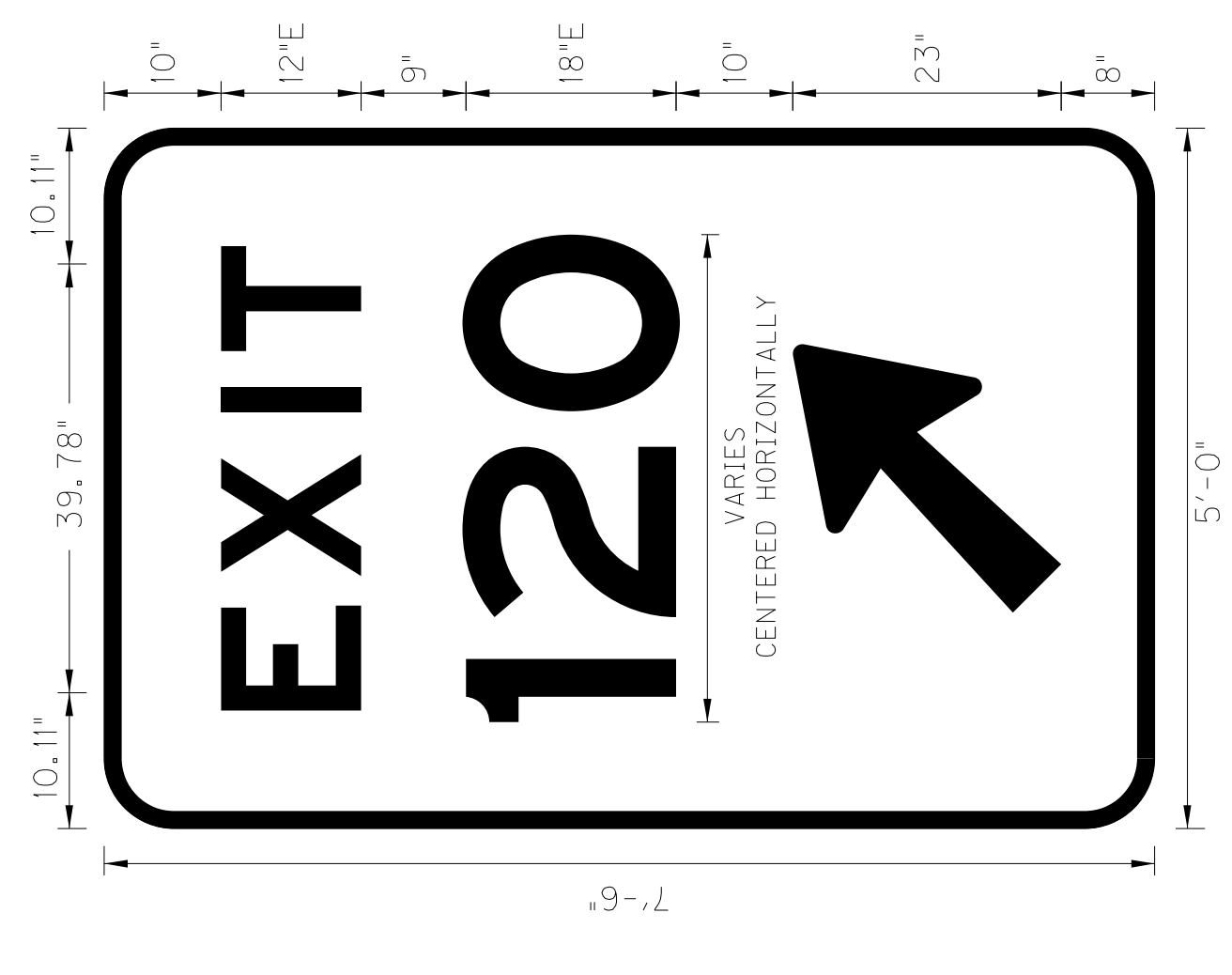
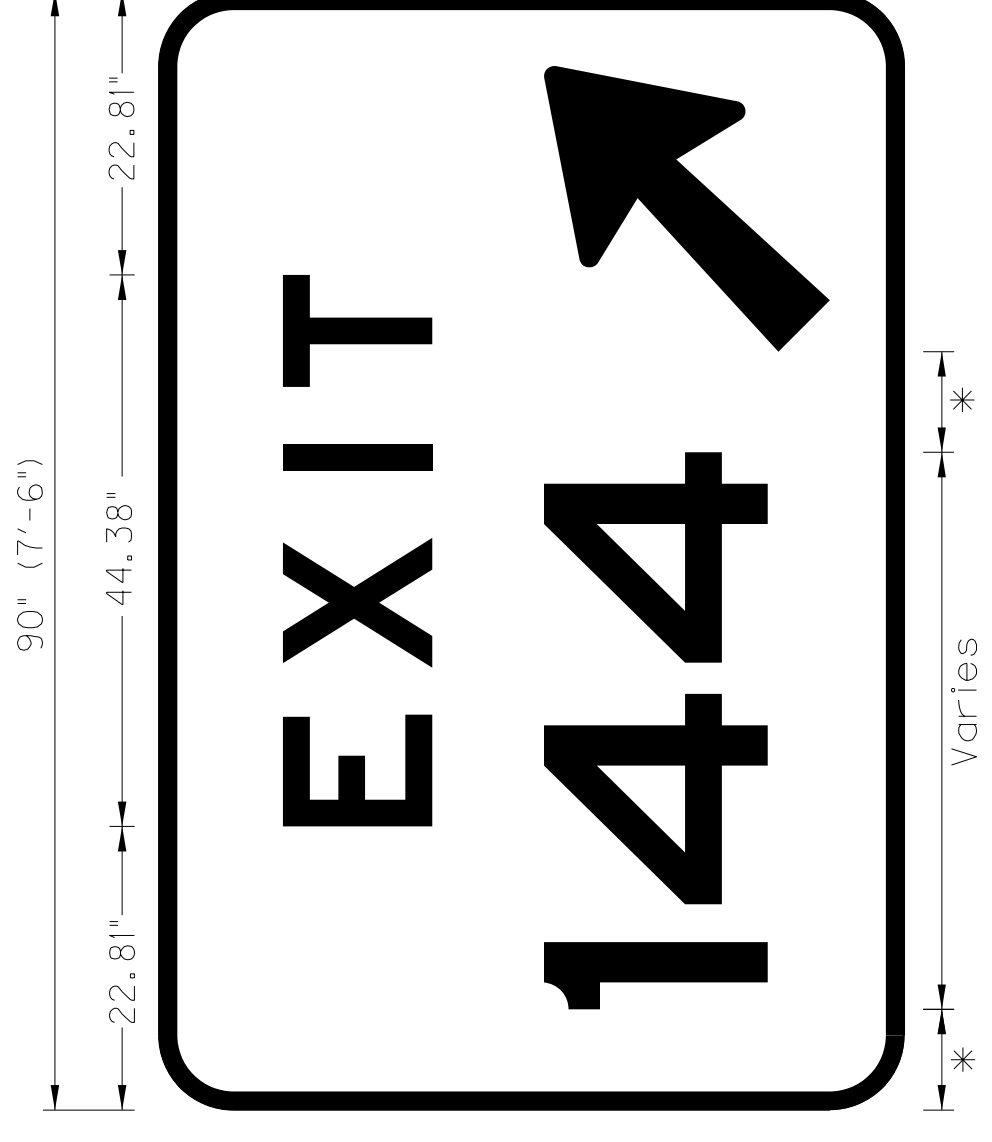
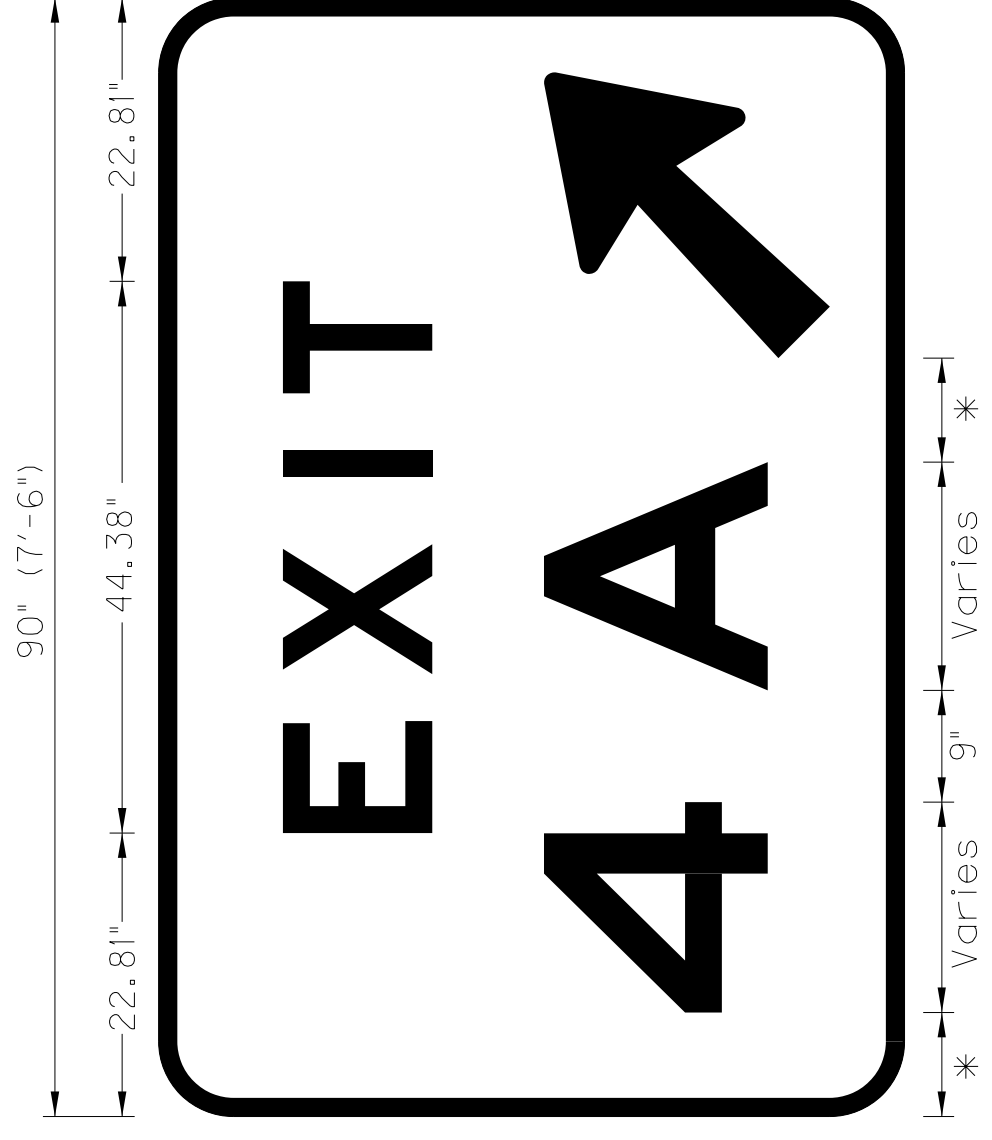
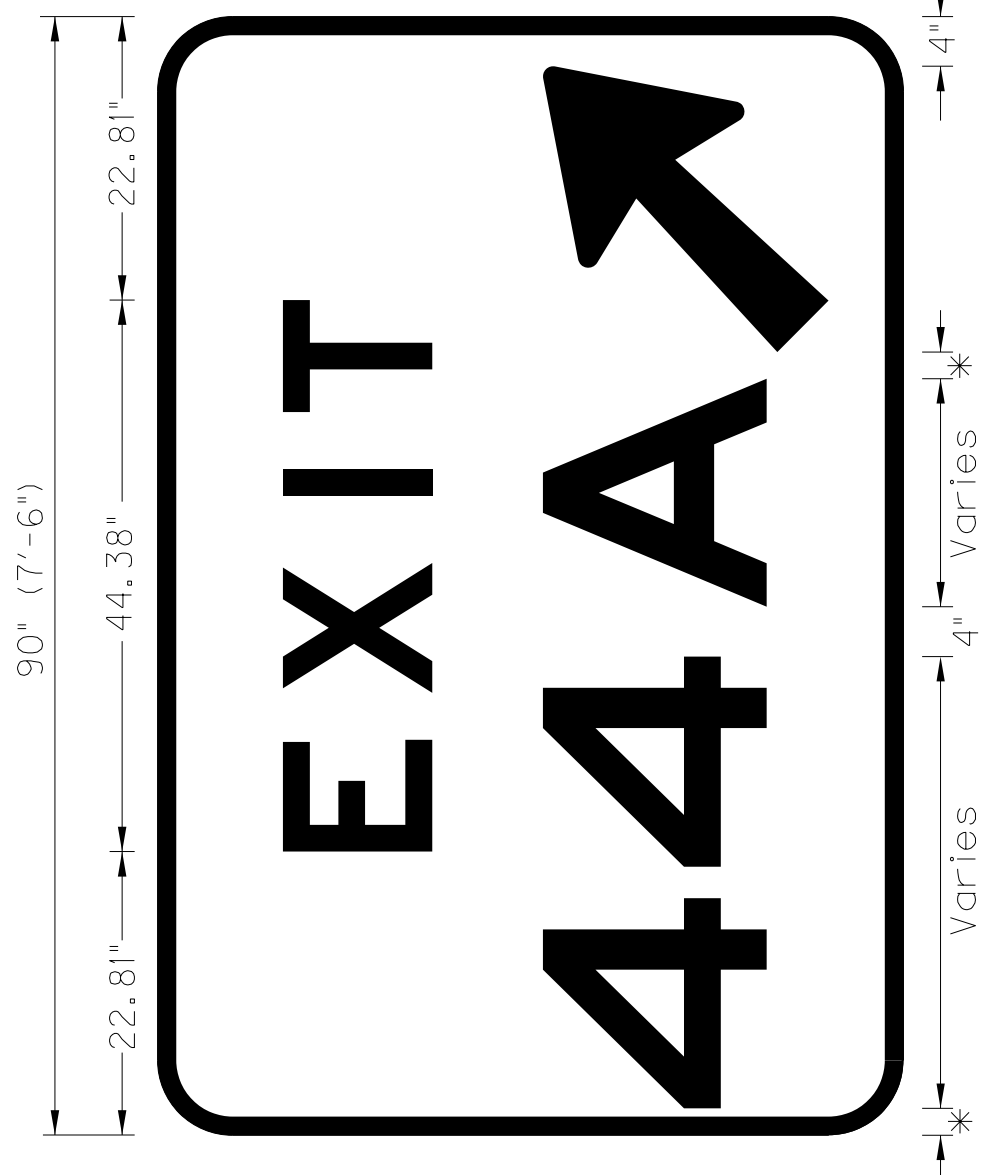
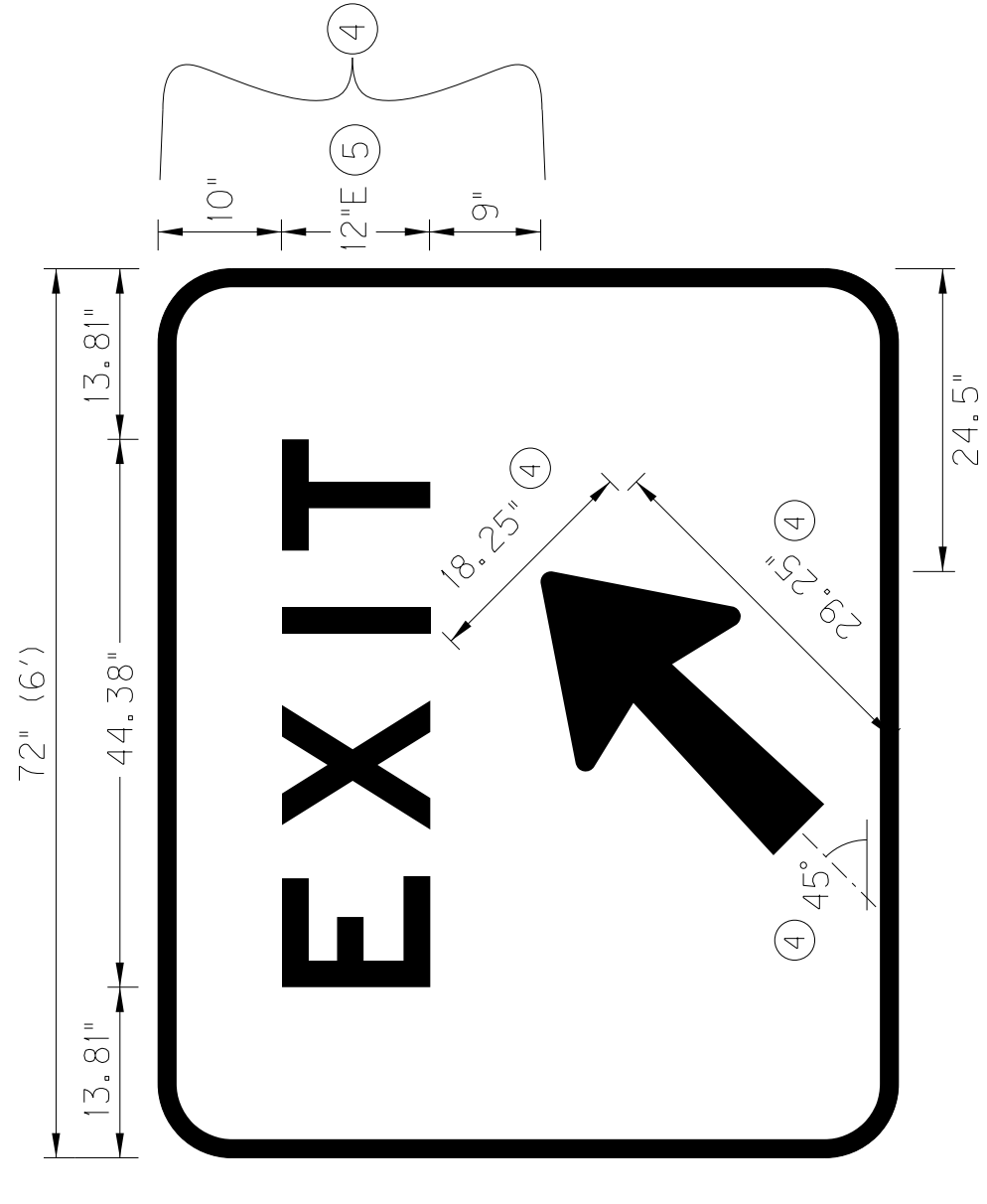
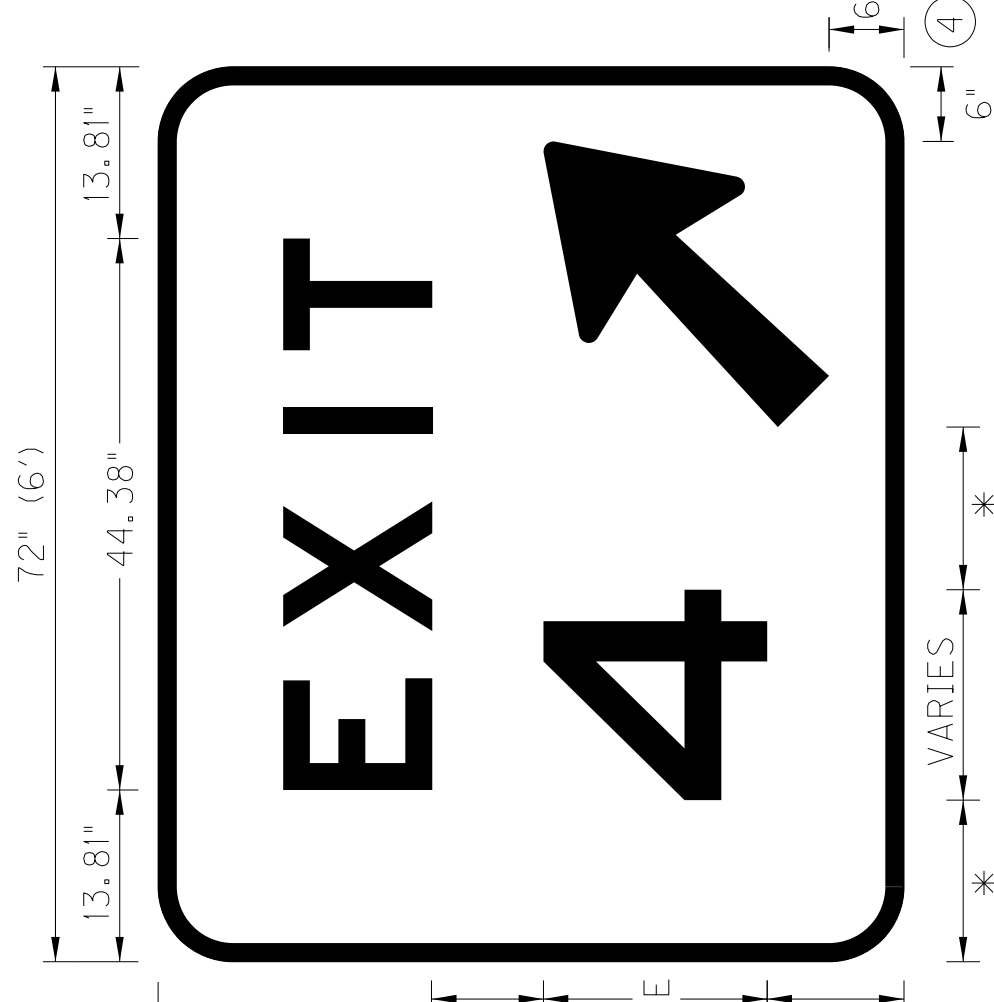
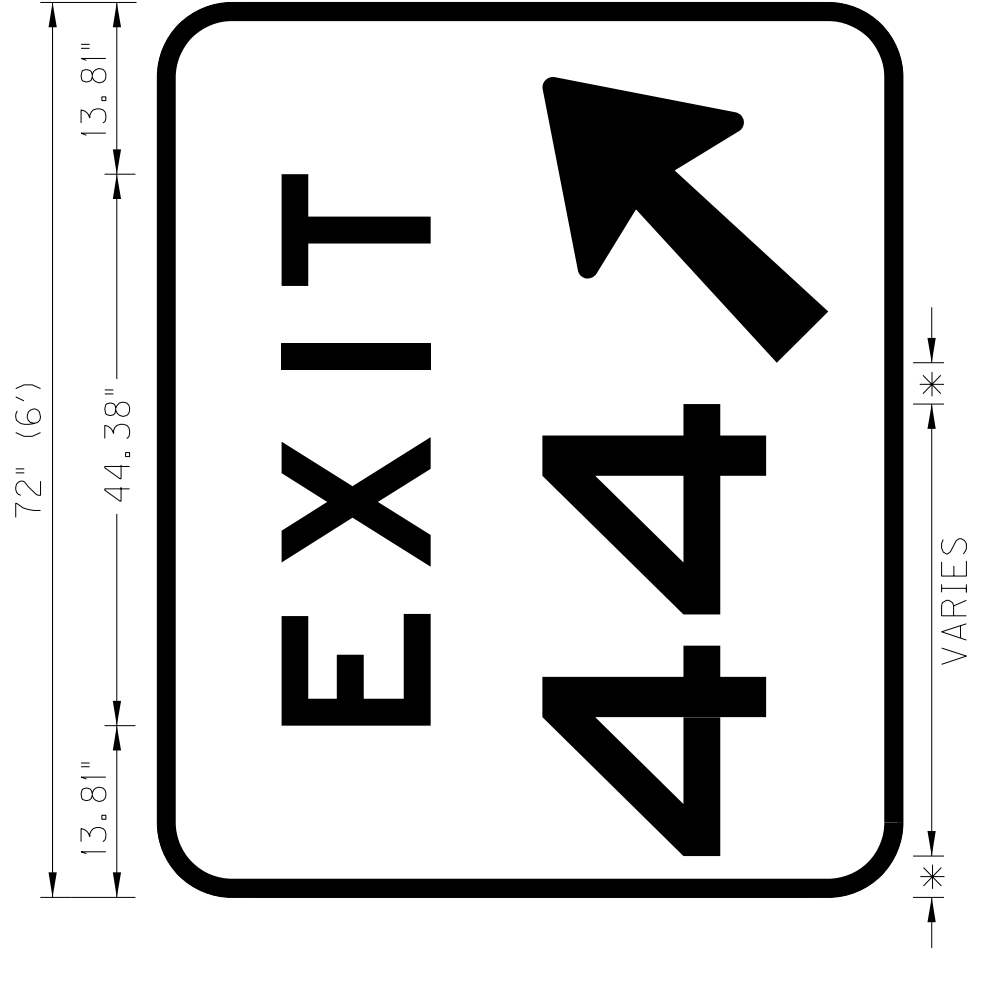
| EXIT CORE SIGNS | |
|--------------------|----------------------------------|
| SIGN SIZE | NUMBER OF POST SUPPORTS TO GAUGE |
| 2 DIGITS 5' x 6' | 2 POSTS 12 |
| 3 DIGITS 5' x 7.5' | 3 POSTS 12 |
| 4 DIGITS 5' x 9' | 3 POSTS 12 |
| | 10 1/2' MAX |



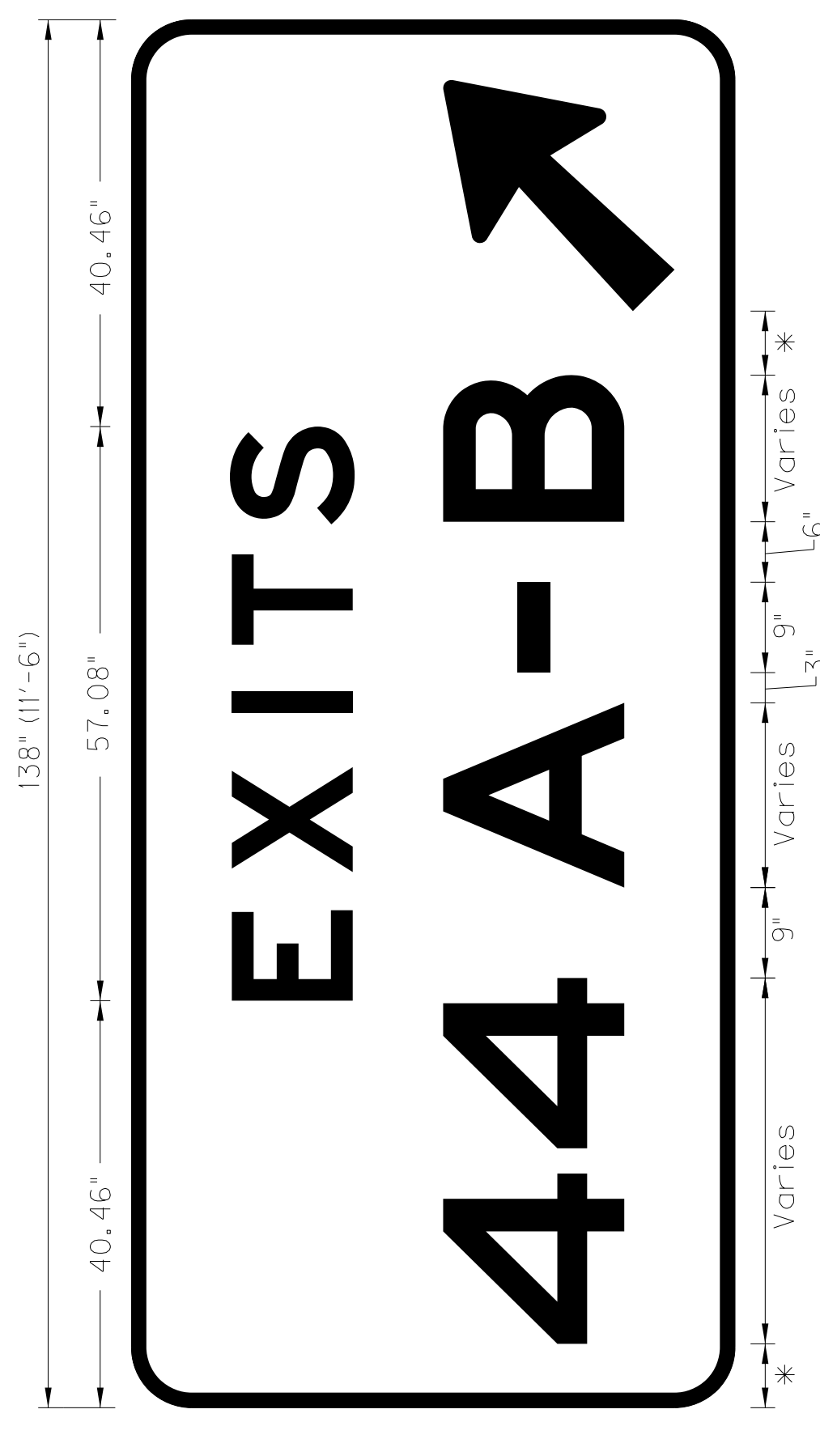
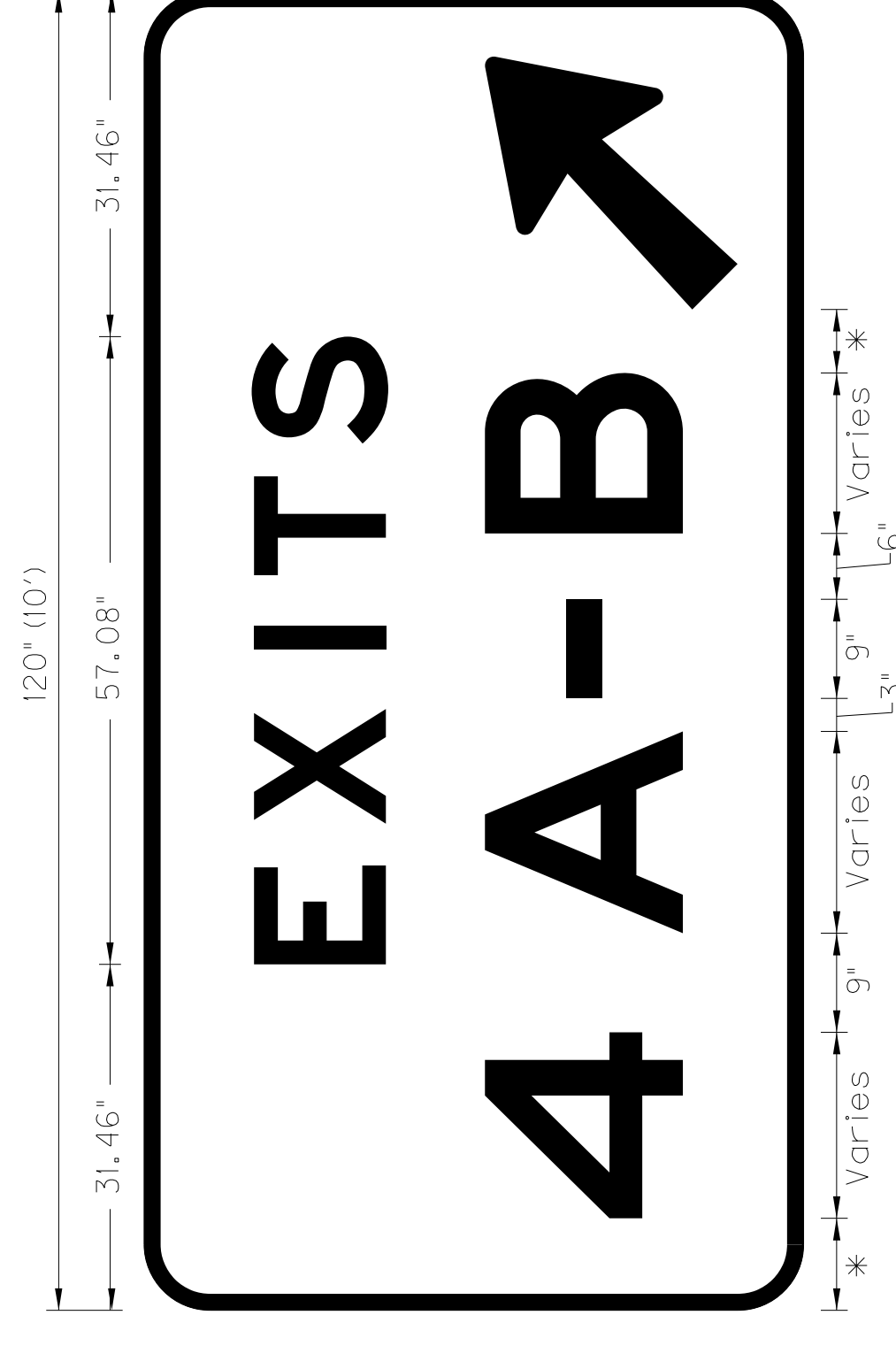
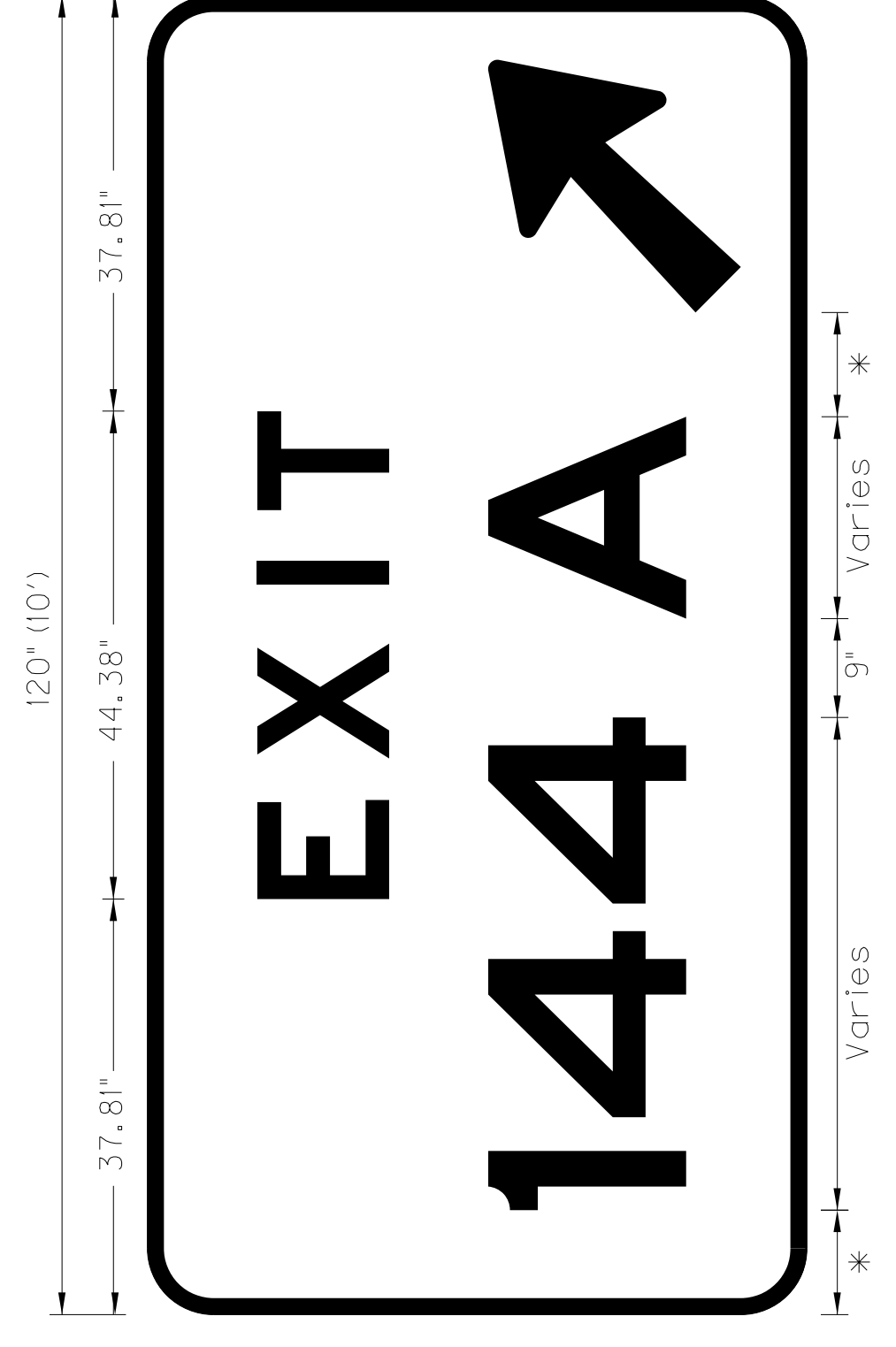
NOT TO SCALE

GENERAL NOTES:

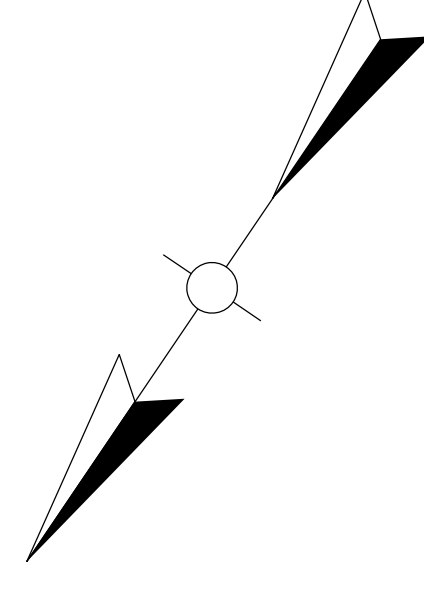
- BORDER RADIUS SHALL BE 6"
- BORDER THICKNESS SHALL BE 1.5 INCH.
- * - INDICATES THAT THE EXIT NUMBER & SUFFIX (IF USED) SHOULD BE CENTERED BETWEEN THE EDGE OF THE SIGN AND THE ARROW AS SHOWN.
- DIMENSION SHALL BE UTILIZED FOR EACH DESIGN UNLESS OTHERWISE SHOWN.
- INCREASE CHARACTER SPACING 225% AS SHOWN PER DIMENSIONS.



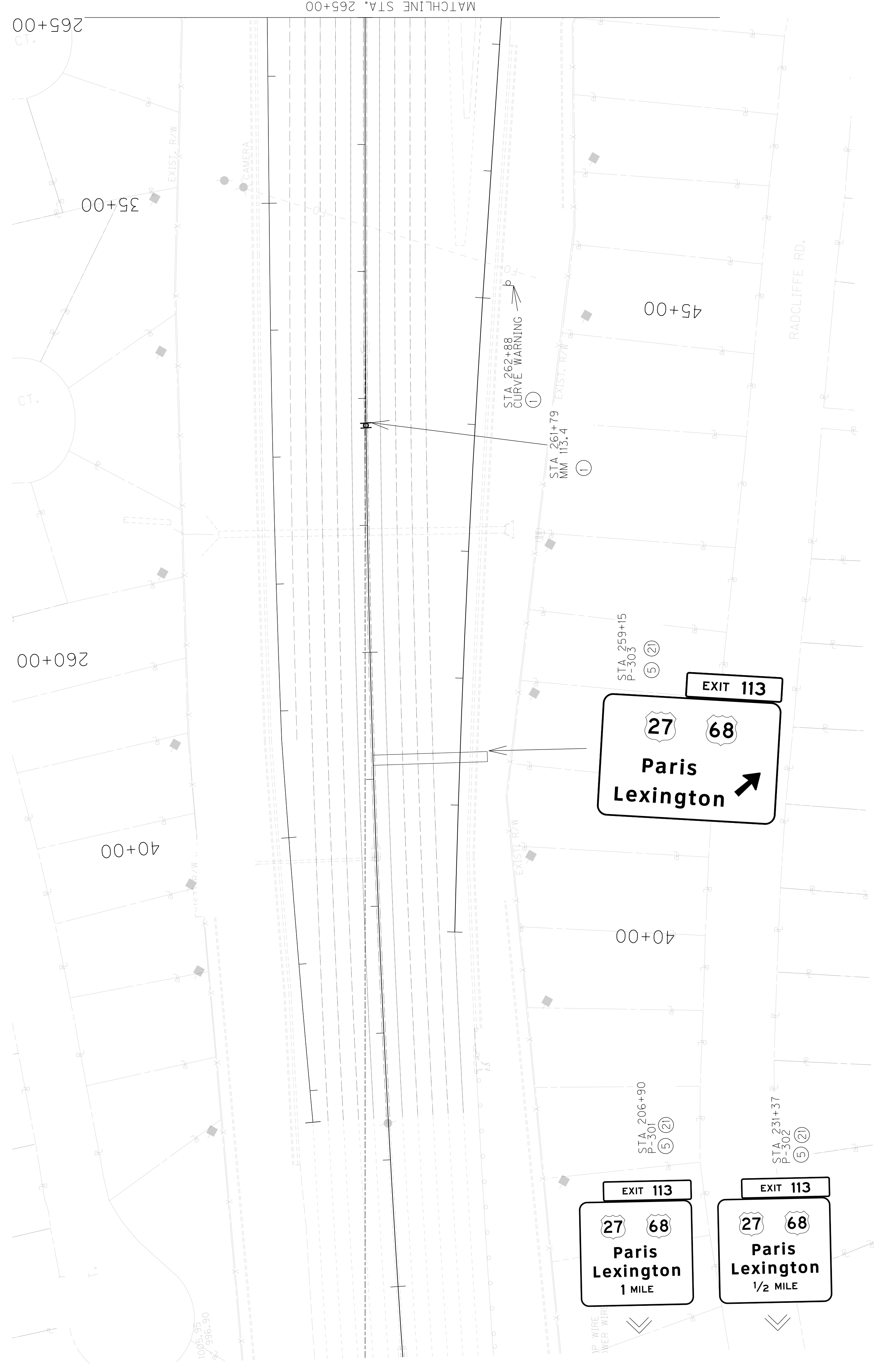
NOTE:
THE NARROW EXIT GORE SIGN (ABOVE) MAY BE USED IN GORE AREAS OF LIMITED WIDTH WHERE THE WIDTH OF THE EXIT GORE SIGN WOULD NOT PERMIT SUFFICIENT LATERAL OFFSET (SEE MUTCD SECTION 2A.19), SUCH AS FOR RAMP DEPARTURES THAT ARE NEARLY PARALLEL TO THE MAINLINE ROADWAY WHERE THE EXIT GORE SIGN WOULD BE MOUNTED ON A NARROW ISLAND OR BARRIER.



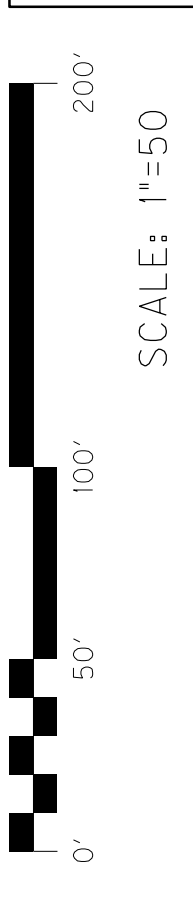
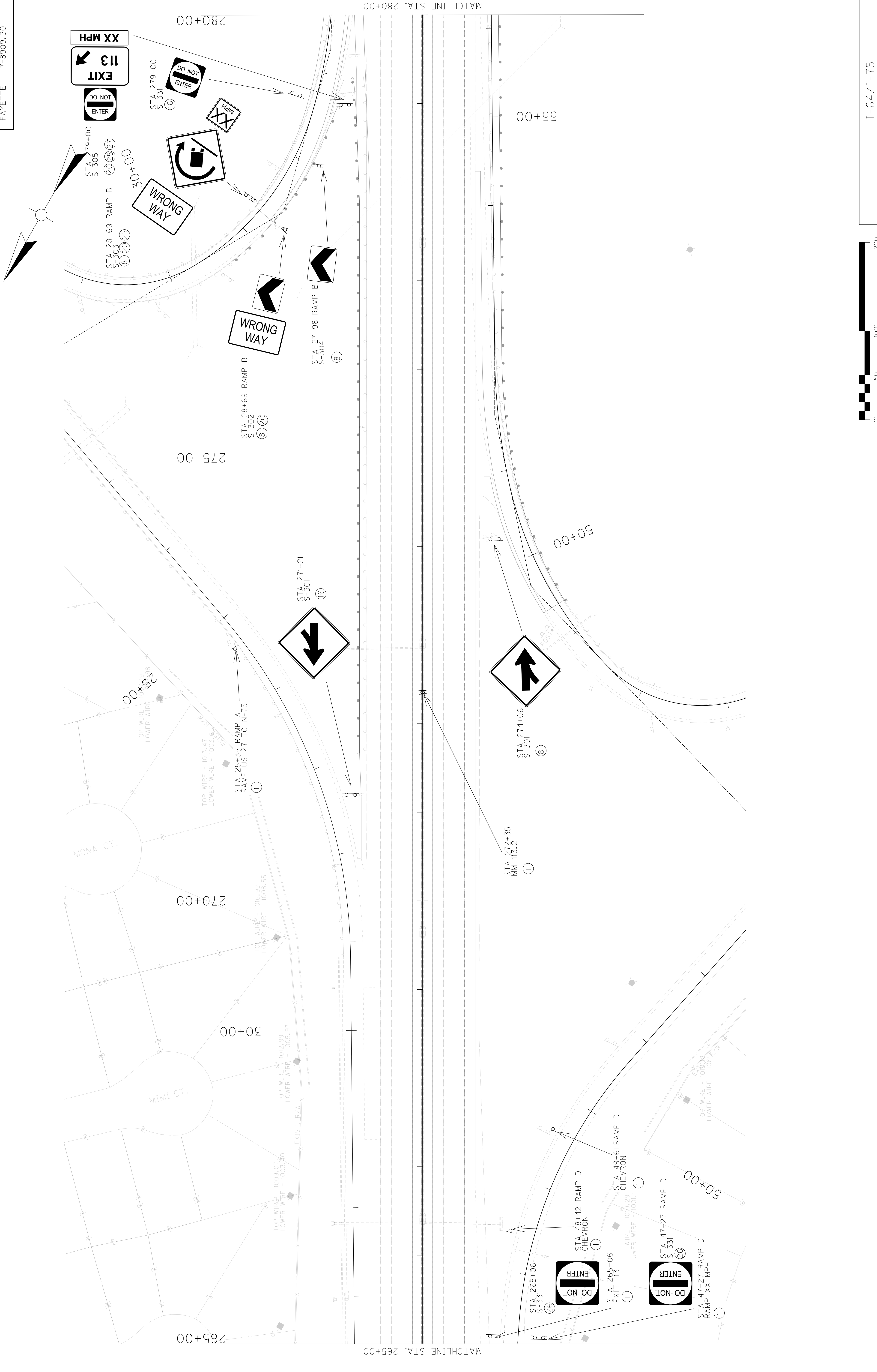
| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T014 |



- SIGNING NOTES:**
- 1 DO NOT DISTURB EXISTING SHEET SIGN
 - 2 DO NOT DISTURB EXISTING PANEL SIGN
 - 3 REMOVE EXISTING SHEET SIGN AND GROUND SUPPORT(S)
 - 4 REMOVE EXISTING PANEL SIGN, BEAMS, AND GROUND SUPPORTS
 - 5 REMOVE EXISTING PANEL SIGN; CONSTRUCT NEW PANEL SIGN ON EXISTING TRUSS
 - 6 REMOVE EXISTING PANEL SIGN; CONSTRUCT NEW PANEL SIGN ON NEW TRUSS
 - 7 REMOVE AND REINSTALL EXISTING SHEETING SIGN(S) WITH 1 NEW TYPE 1 POST AND SOIL STABILIZER; REMOVE EXISTING POST(S) AND GROUND SUPPORT(S)
 - 8 REMOVE AND REINSTALL EXISTING SHEETING SIGN(S) WITH 2 NEW TYPE 1 POSTS AND SOIL STABILIZERS; REMOVE EXISTING POST(S) AND GROUND SUPPORT(S)
 - 9 REMOVE EXISTING PANEL SIGN TO BE REINSTALLED AT NEW LOCATION; REMOVE EXISTING BEAMS AND GROUND SUPPORT(S)
 - 10 REINSTALL EXISTING PANEL SIGN WITH 2 I-BEAMS AND TYPE A GROUND SUPPORTS
 - 12 REINSTALL EXISTING PANEL SIGN WITH 2 I-BEAMS AND TYPE C GROUND SUPPORTS
 - 13 CONSTRUCT PANEL SIGN(S) WITH 2 I-BEAMS AND TYPE A GROUND SUPPORTS
 - 14 CONSTRUCT PANEL SIGN(S) WITH 2 I-BEAMS AND TYPE C GROUND SUPPORTS
 - 15 CONSTRUCT SHEETING SIGN(S) WITH 1 TYPE 1 POST AND SOIL STABILIZER
 - 16 CONSTRUCT SHEETING SIGN(S) WITH 2 TYPE 1 POSTS AND SOIL STABILIZER
 - 17 CONSTRUCT SHEETING SIGN(S) WITH 2 TYPE 1 POSTS AND TYPE D BREAKAWAY SUPPORTS
 - 18 CONSTRUCT SHEETING SIGN(S) WITH BARRIER MOUNTING BRACKET
 - 19 INSTALL LATERAL ALUMINUM BRACING BETWEEN ADJACENT SIGNS
 - 20 INSTALL SIGNS BACK-TO-BACK ON SAME POST(S)
 - 21 ATTACH EXIT PANEL USING THREE 5' 6" LONG ALUMINUM Z-BRACKETS
 - 22 REMOVE EXISTING PANEL SIGN AND TRUSS OR CANTILEVER
 - 23 CONSTRUCT NEW PANEL SIGN AND TRUSS
 - 24 CONSTRUCT NEW PANEL SIGN AND CANTILEVER
 - 25 FINAL ADVISORY SPEED TO BE DETERMINED BY KYTC DISTRICT 7 TRAFFIC AFTER RECONSTRUCTION OF THE RAMP; SOME ADVISORY SPEEDS MAY ALREADY BE DETERMINED IN PREVIOUS CONSTRUCTION PHASE
 - 26 INSTALL NEW SHEETING SIGN ONTO THE BACK OF THE EXISTING SIGN
 - 27 REMOVE AND REINSTALL EXISTING SHEETING SIGN(S) WITH 2 NEW TYPE 1 POSTS AND TYPE D BREAKAWAY SUPPORTS; REMOVE EXISTING POST(S) AND GROUND SUPPORT(S)



| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T015 |



SCALE: 1"=50'

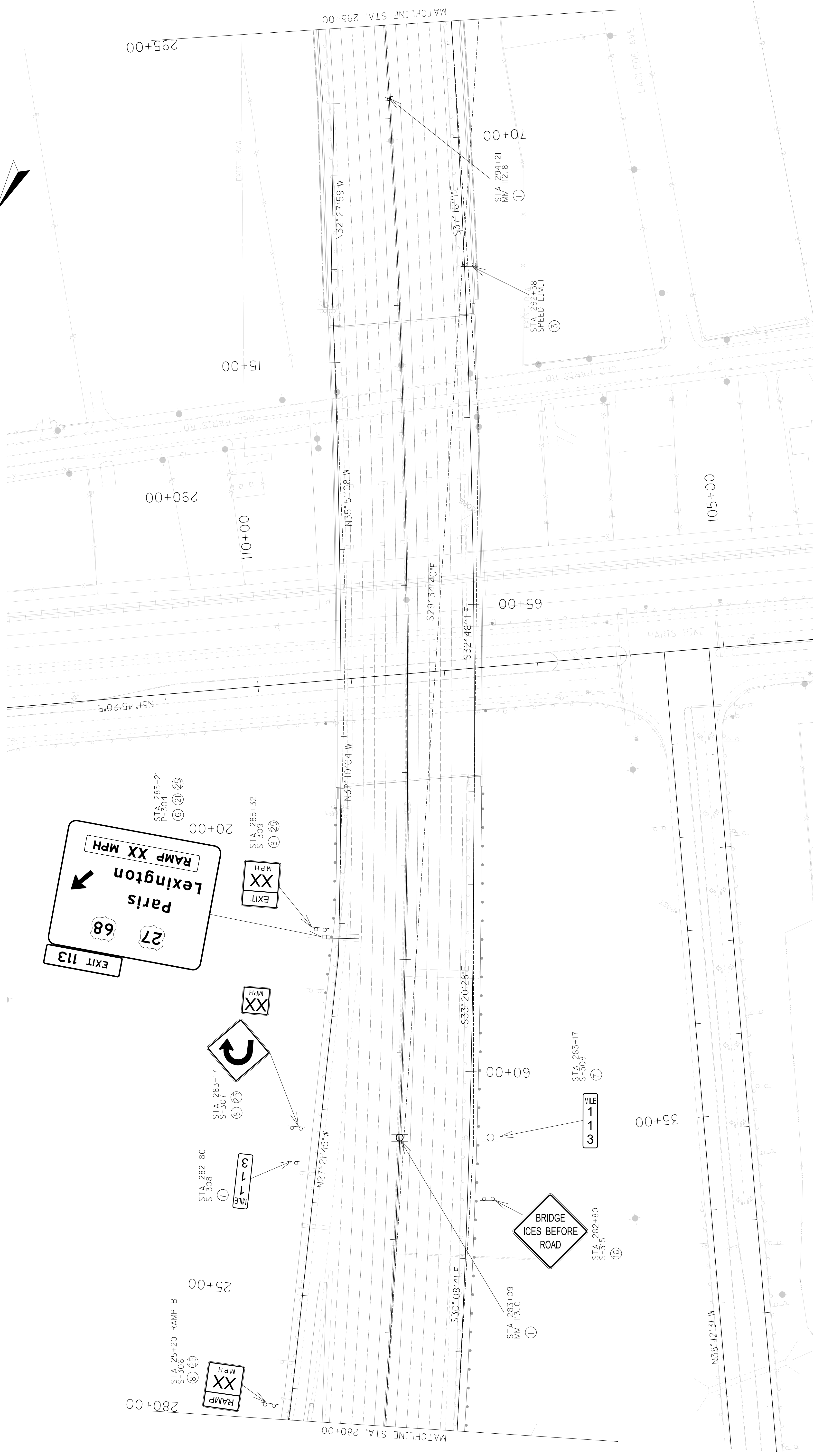
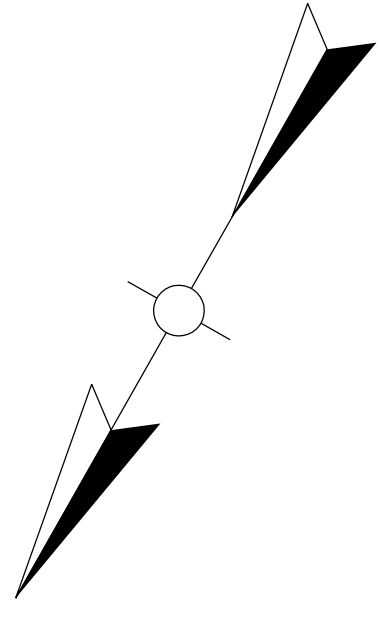
I-64/I-75
SIGN PLAN SHEET
STA 265+00 TO STA 280+00

FILE NAME: C:\PWORKING\EAST\10\2971568\T01500SN.DGN

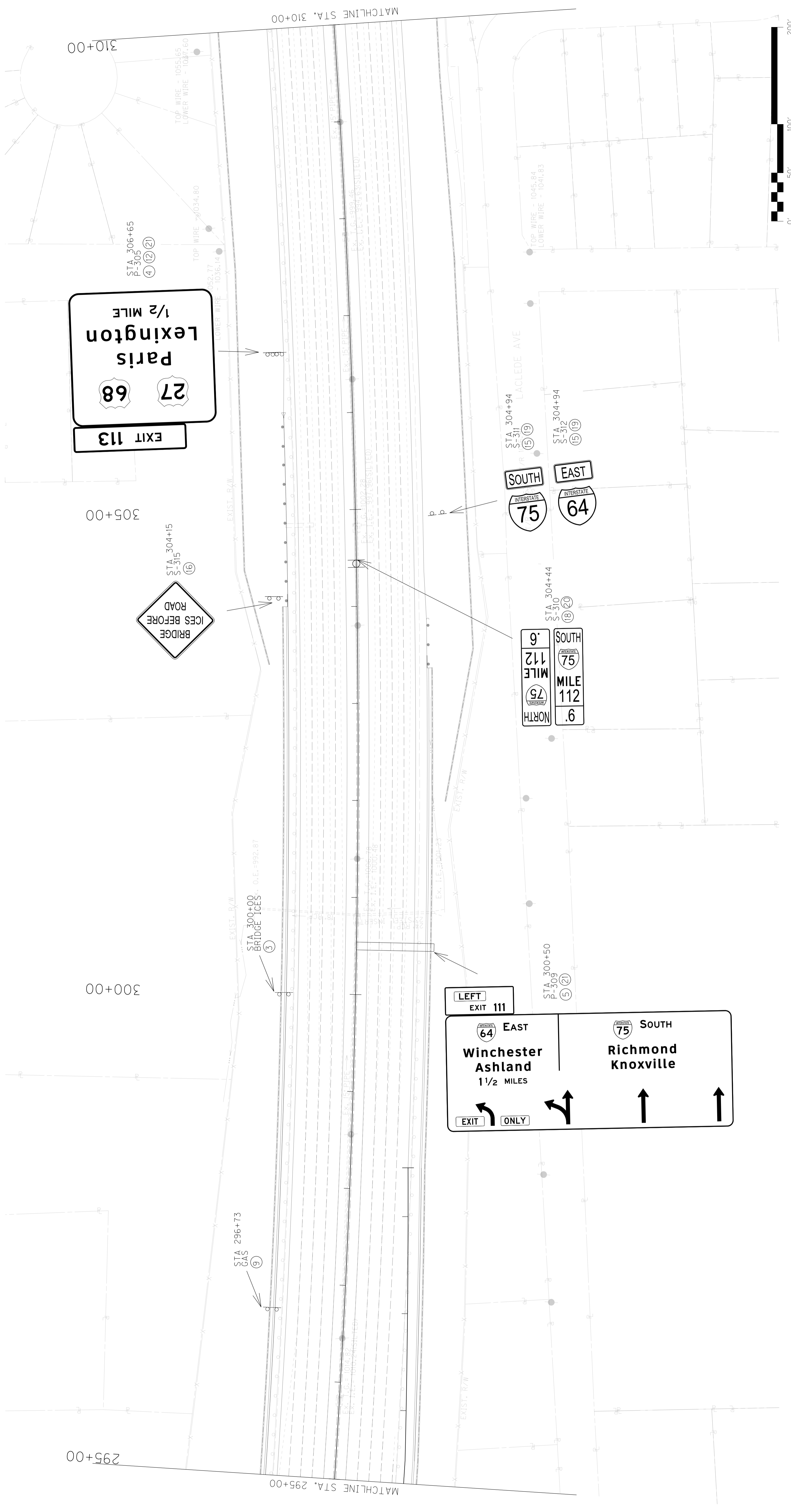
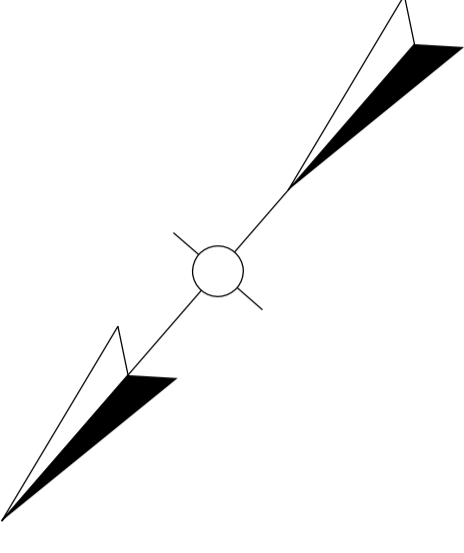
USER: BSA/LOR
DATE PLOTTED: January 12, 2024

E-SHEET NAME:
MicroStation v8.11.9.919

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|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T016 |



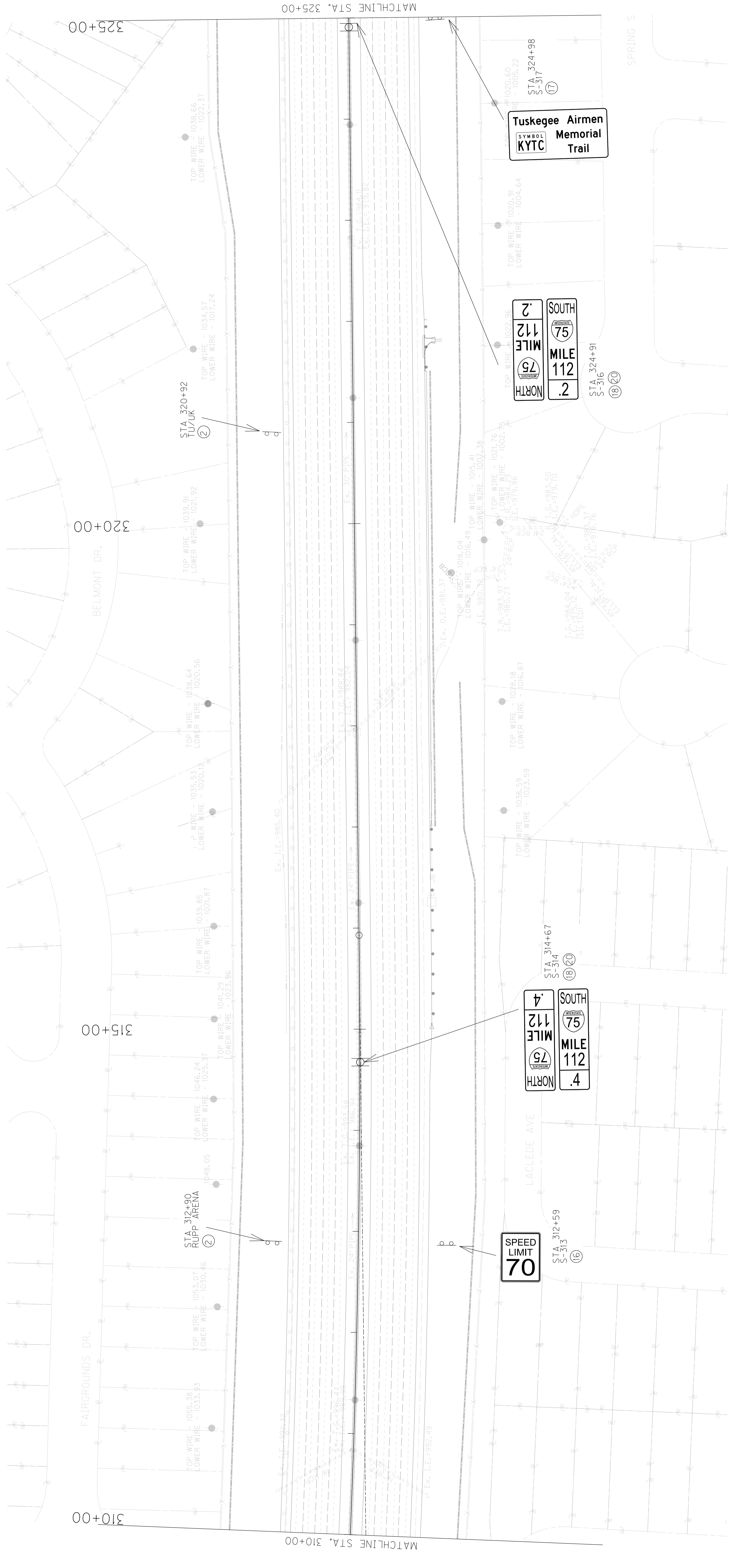
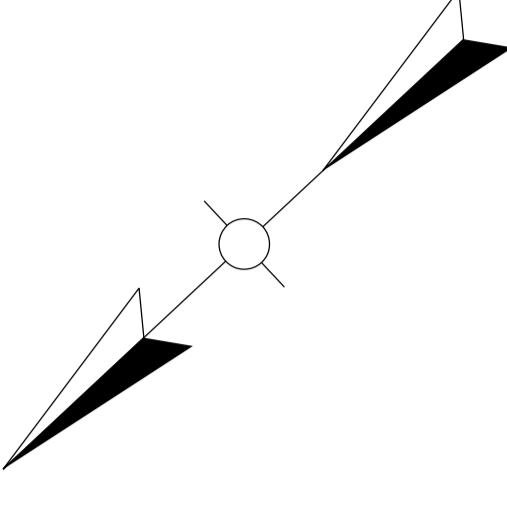
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|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | TO17 |



I-64/I-75
SIGN PLAN SHEET
STA 295+00 TO STA 310+00

SCALE: 1"=50'

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | TO18 |



MATCHLINE STA. 325+00

MATCHLINE STA. 310+00

BELMONT DR.

FAIRGROUNDS DR.

**Tuskegee Airmen
Memorial
Trail**
SYMBOL
KYTC

2
NORTH
MILE
75
112
SOUTH
MILE
75
112

4
NORTH
MILE
75
112
SOUTH
MILE
75
112

**SPEED
LIMIT
70**

SPRING S

STA 314+67
S-314
19(2)

STA 312+59
S-313
16

STA 324+98
S-317
17

STA 324+91
S-316
18(2)

STA 320+92
TU/UK
2

STA 312+90
RUPP ARENA
2

TOP WIRE - 1038.66
LOWER WIRE - 1022.37

TOP WIRE - 1034.57
LOWER WIRE - 1017.24

TOP WIRE - 1039.91
LOWER WIRE - 1021.92

TOP WIRE - 1038.64
LOWER WIRE - 1020.56

TOP WIRE - 1035.53
LOWER WIRE - 1020.12

TOP WIRE - 1039.85
LOWER WIRE - 1021.87

TOP WIRE - 1041.29
LOWER WIRE - 1023.96

TOP WIRE - 1046.24
LOWER WIRE - 1025.37

TOP WIRE - 1048.05
LOWER WIRE - 1026.34

TOP WIRE - 1055.38
LOWER WIRE - 1033.93

TOP WIRE - 1053.07
LOWER WIRE - 1030.46

TOP WIRE - 1055.38
LOWER WIRE - 1033.93

TOP WIRE - 1038.66
LOWER WIRE - 1022.37

TOP WIRE - 1020.60
LOWER WIRE - 1005.22

TOP WIRE - 1020.91
LOWER WIRE - 1004.64

TOP WIRE - 1022.36
LOWER WIRE - 1007.38

TOP WIRE - 1021.76
LOWER WIRE - 1002.75

TOP WIRE - 1018.04
LOWER WIRE - 1007.38

TOP WIRE - 1016.49
LOWER WIRE - 1007.38

TOP WIRE - 1024.76
LOWER WIRE - 1002.75

TOP WIRE - 1028.18
LOWER WIRE - 1016.87

TOP WIRE - 1038.59
LOWER WIRE - 1023.59

TOP WIRE - 1038.18
LOWER WIRE - 1016.87

TOP WIRE - 1038.59
LOWER WIRE - 1023.59

TOP WIRE - 1038.18
LOWER WIRE - 1016.87

TOP WIRE - 1038.59
LOWER WIRE - 1023.59

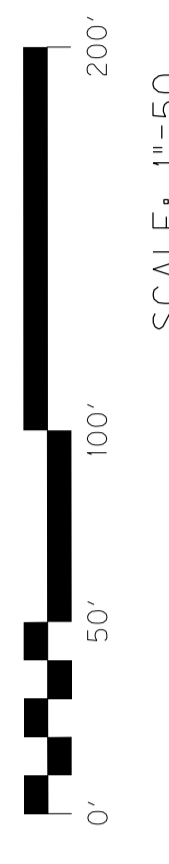
TOP WIRE - 1038.18
LOWER WIRE - 1016.87

TOP WIRE - 1038.59
LOWER WIRE - 1023.59

TOP WIRE - 1038.18
LOWER WIRE - 1016.87

TOP WIRE - 1038.59
LOWER WIRE - 1023.59

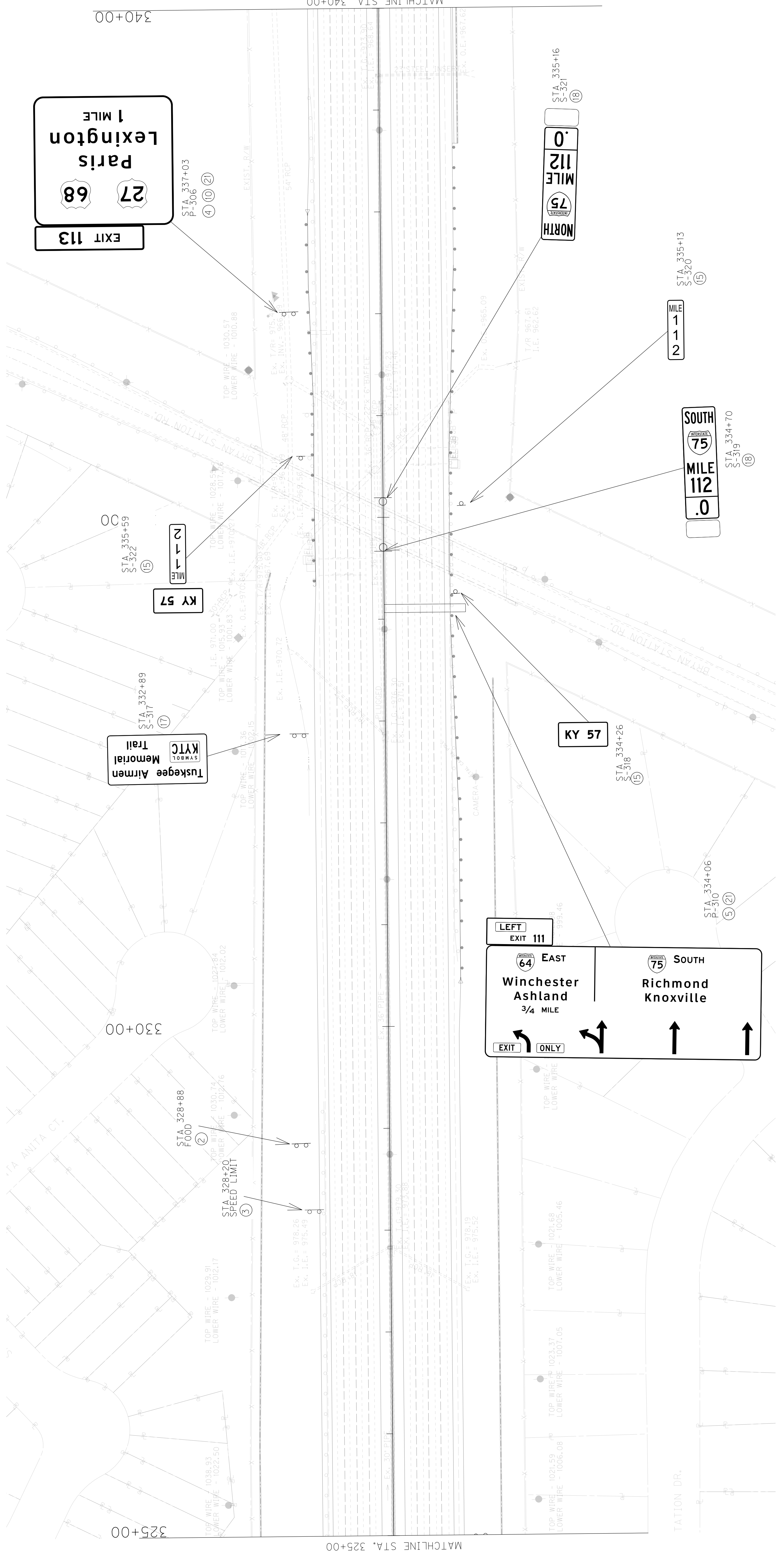
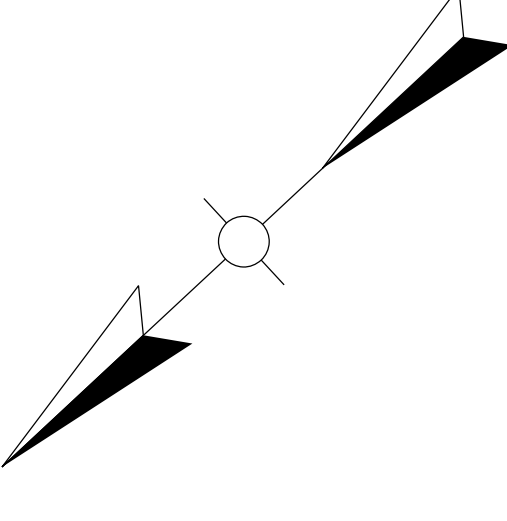
TOP WIRE - 1038.18
LOWER WIRE - 1016.87



SCALE: 1"=50'

I-64/I-75
SIGN PLAN SHEET
STA 310+00 TO STA 325+00

| | | |
|-----------|------------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-89109.30 | T019 |



EXIT 113

Paris Lexington

1 MILE

STA 337+03
P-306
④ ⑩ ⑫

LEFT EXIT 111

| | |
|---|--|
| 64 EAST Winchester Ashland 3/4 MILE | 75 SOUTH Richmond Knoxville |
|---|--|

EXIT ONLY

MILE 1 1 2

SOUTH

75

MILE 112 .0

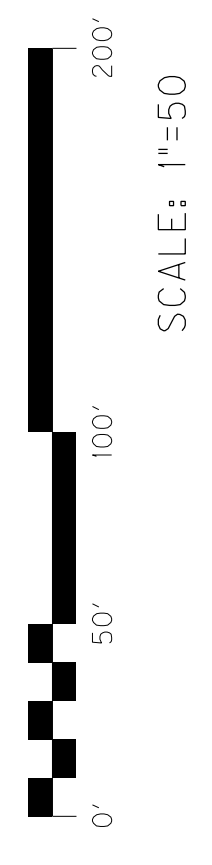
STA 334+70
S-319
⑬

MILE 112 .0

75

NORTH

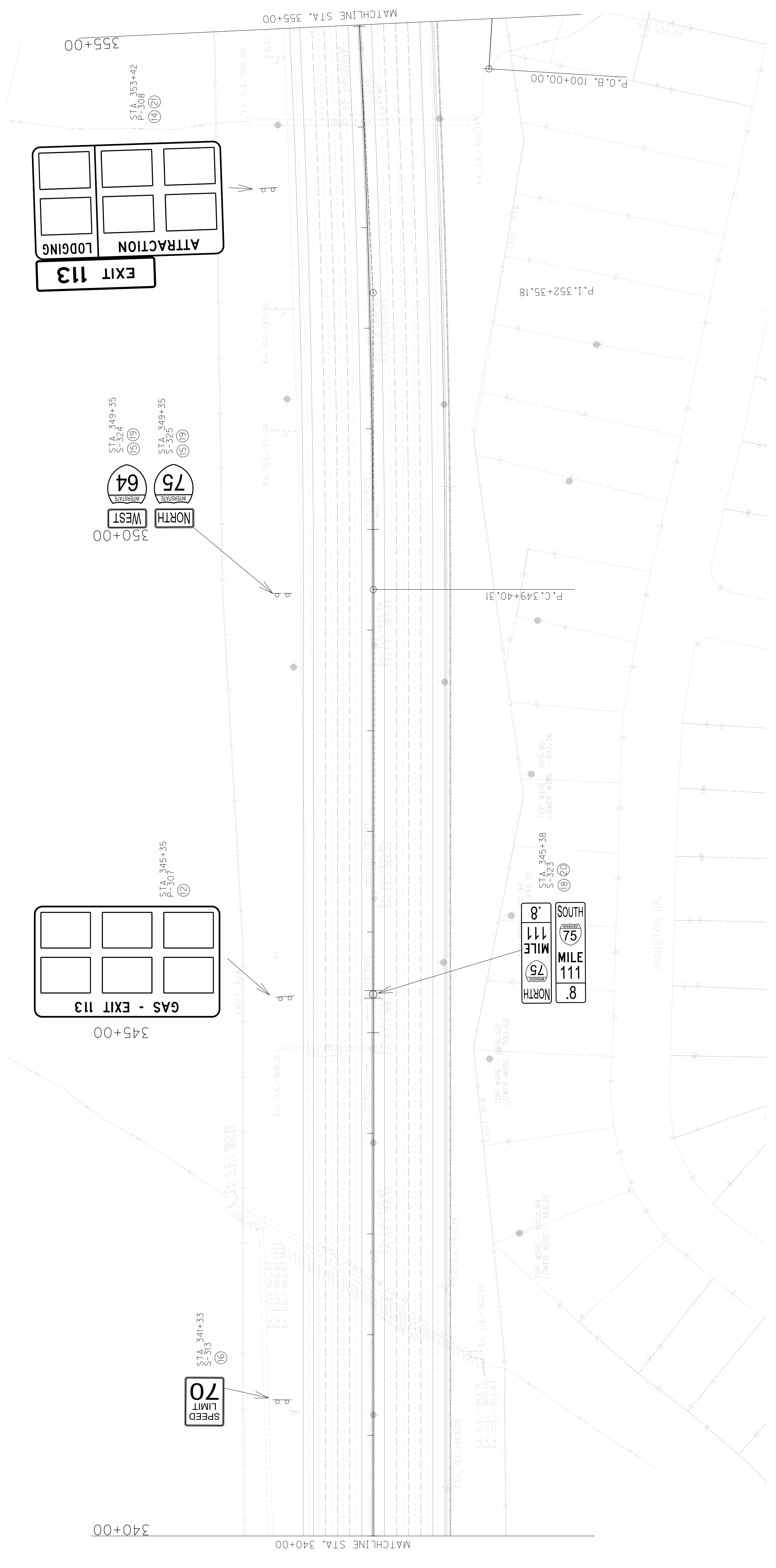
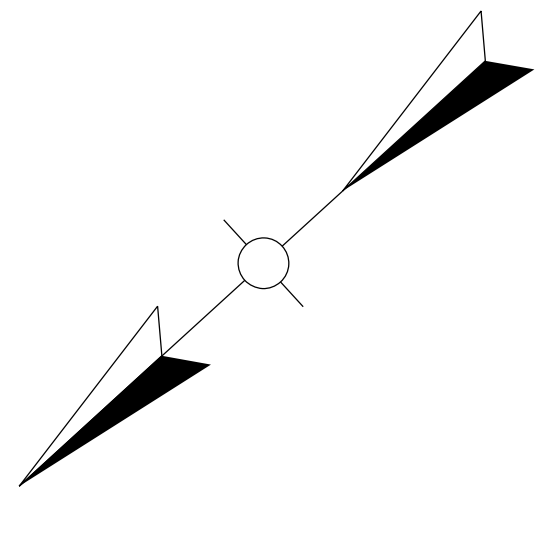
STA 335+16
S-321
⑭



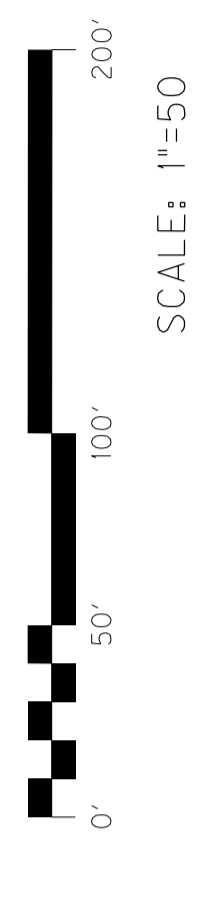
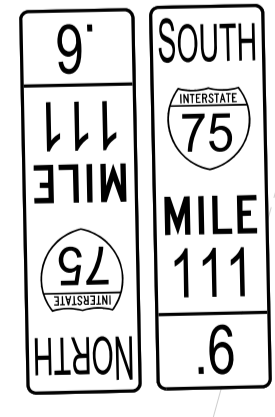
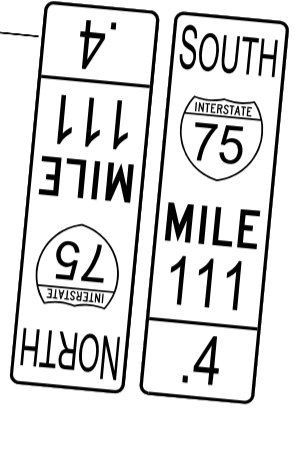
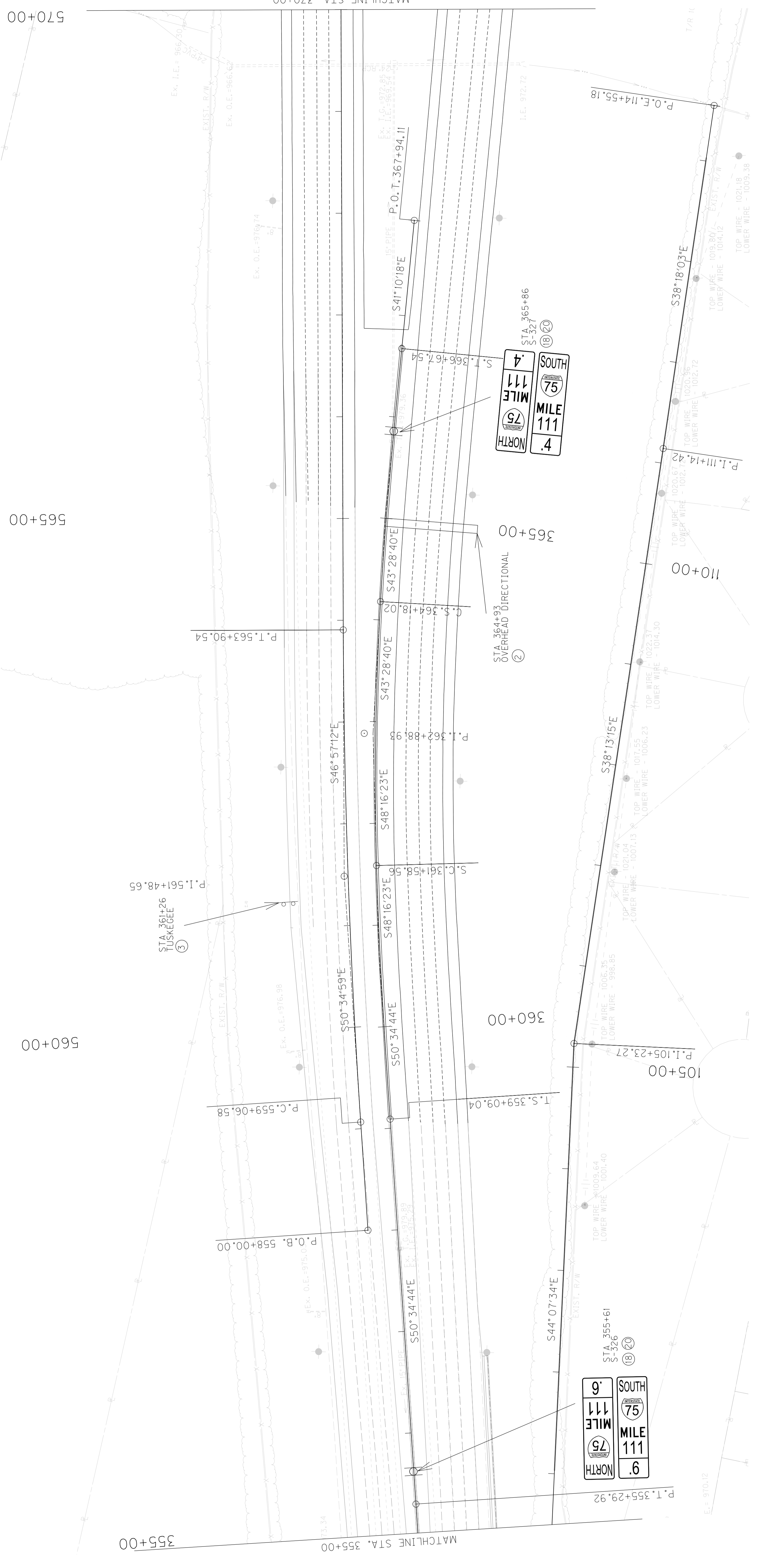
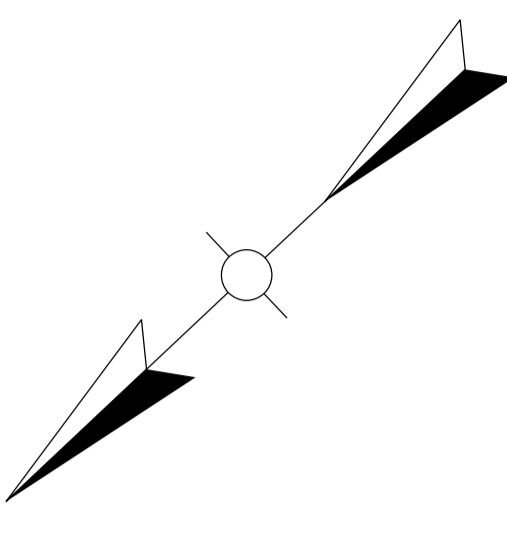
SCALE: 1"=50'

I-64/I-75
SIGN PLAN SHEET
STA 325+00 TO STA 340+00

| | | |
|-----------|------------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-89109.30 | T020 |

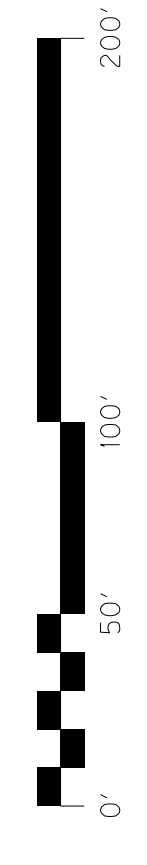
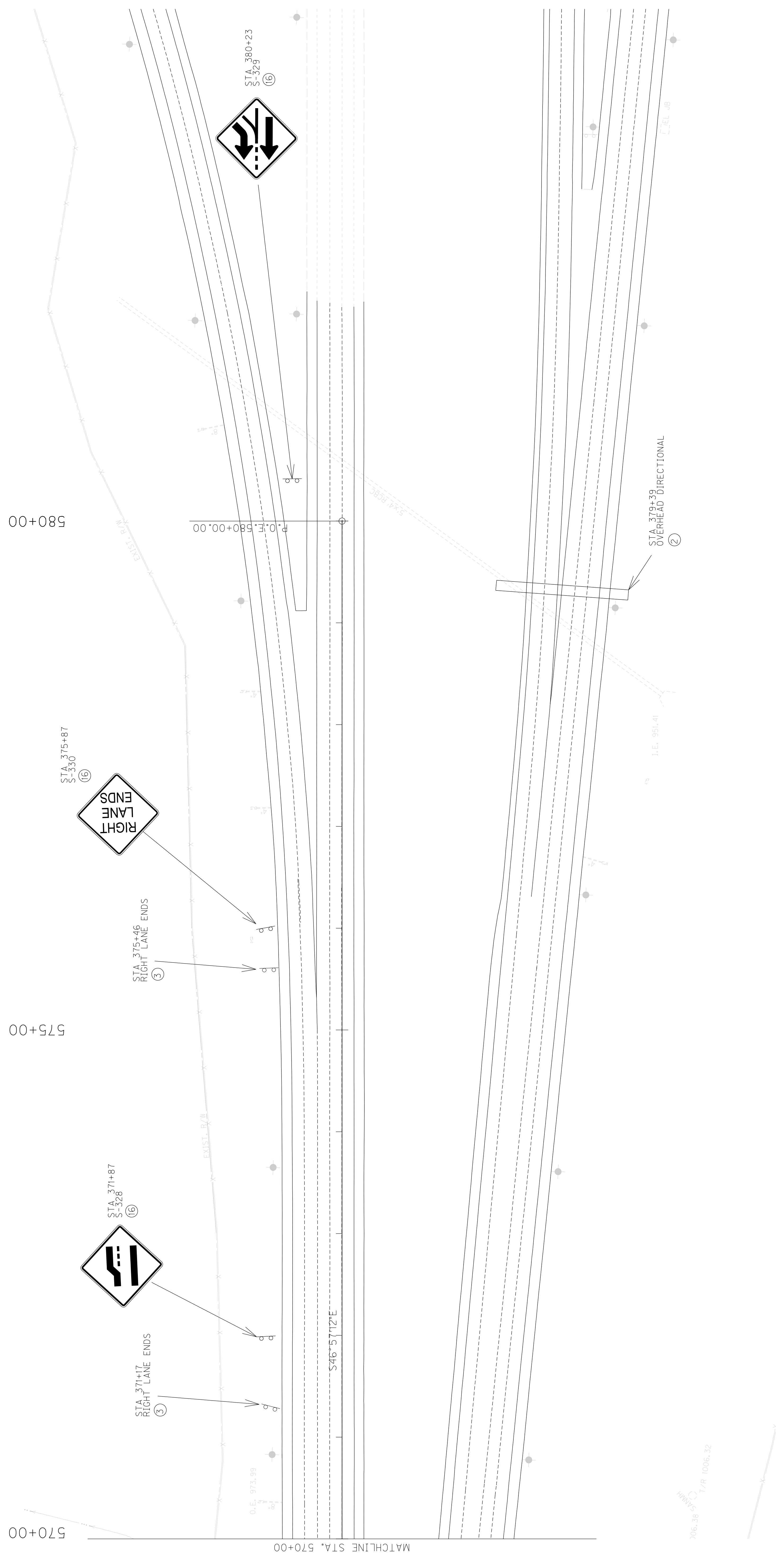
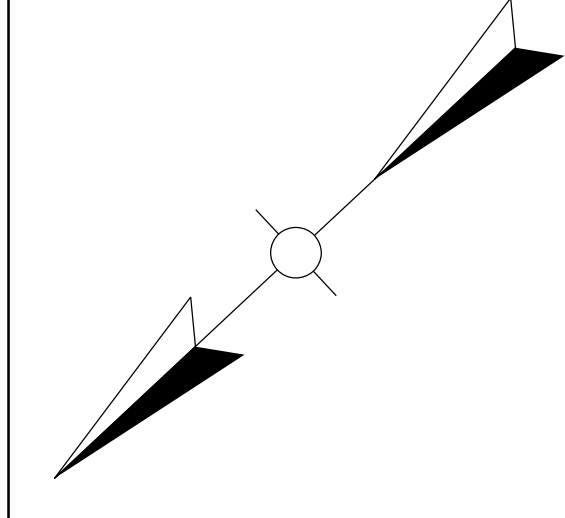


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| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T021 |



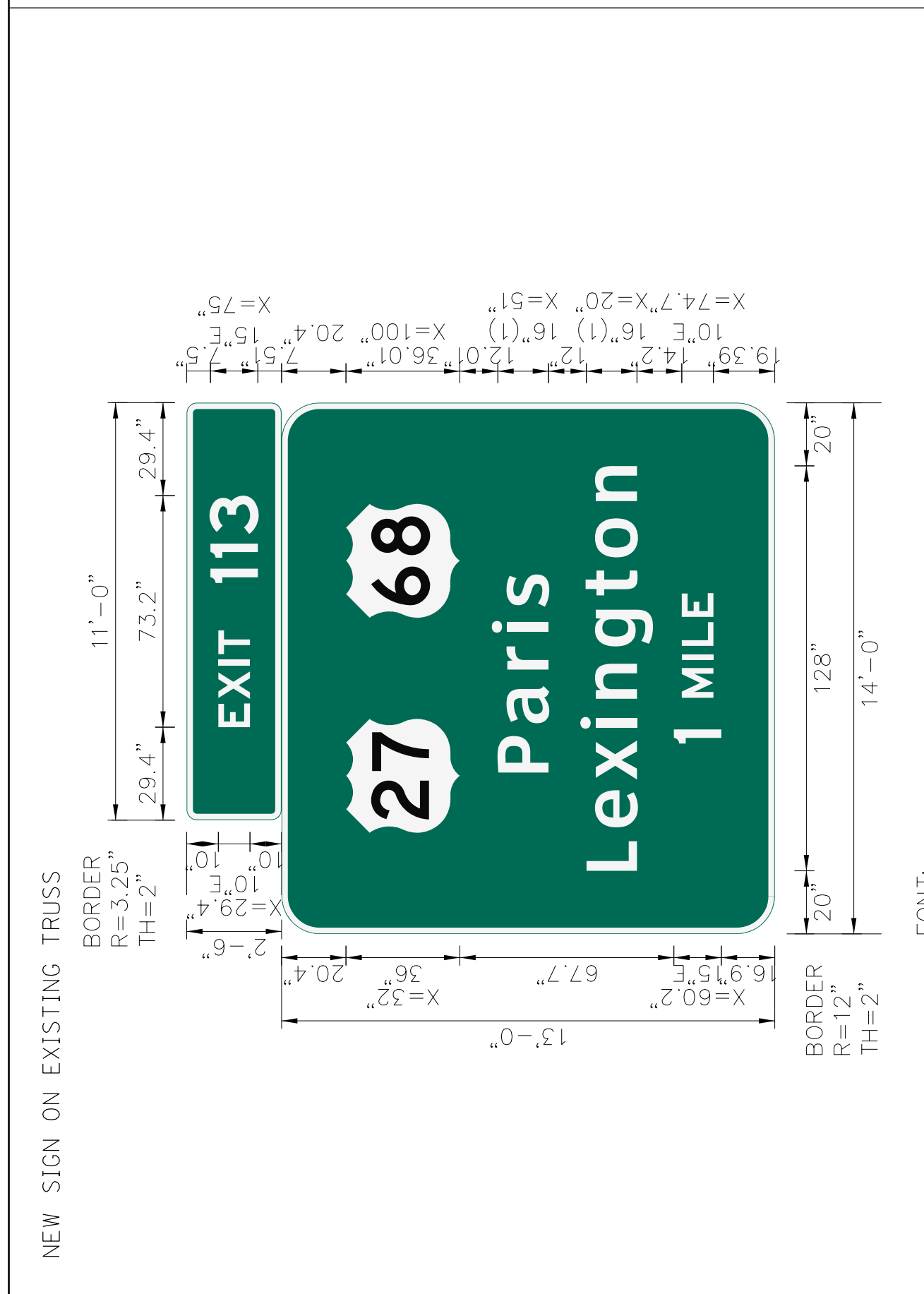
I-64/I-75
SIGN PLAN SHEET
STA 355+00 TO STA 370+00

| | | |
|-----------|------------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-89109.30 | T022 |

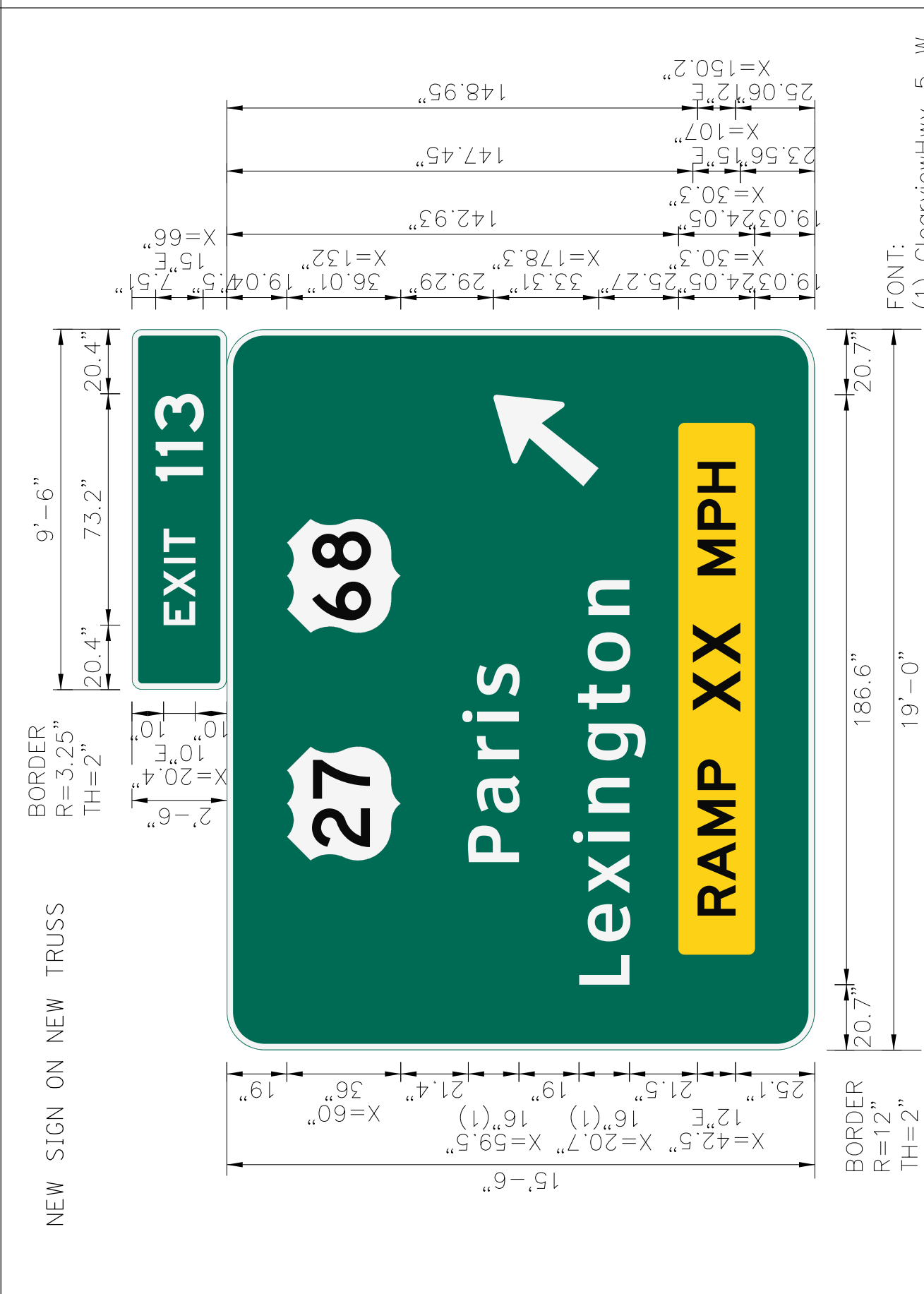


I-64/I-75
SIGN PLAN SHEET
STA 570+00 TO STA 580+00

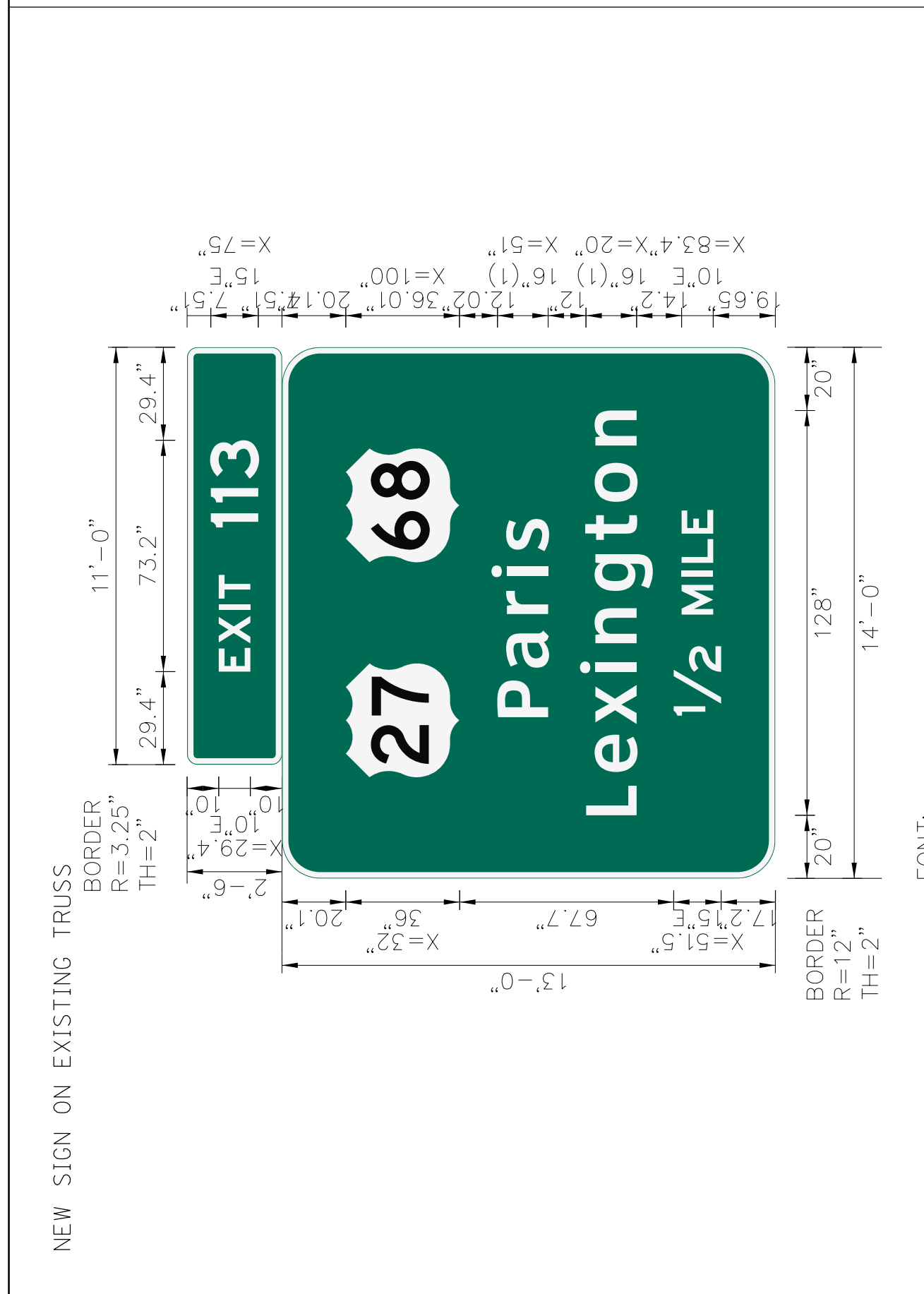
SCALE: 1"=50'



| SIGN INFORMATION | | SIGN LOCATION / SUPPORT | | SUPPORT TYPE | |
|---------------------|-----------------|-------------------------|------------|------------------------------------|------------------------------------|
| SIGN NUMBER | P-301 | ROAD & MILE POINT | 1-75/1-64 | SUPPORT TYPE | |
| QUANTITY | 1 | TRAFFIC DIRECTION | SOUTHBOUND | 'A' = FIXED BEAMS | 'A' = FIXED BEAMS |
| WIDTH | 14' 0" / 11' 0" | SIDE OF ROAD | | 'B' = STANDARD BREAK-4-WAY BEAMS | 'B' = STANDARD BREAK-4-WAY BEAMS |
| HEIGHT | 13' 0" / 2' 6" | MOUNTING STYLE | OVERHEAD | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY |
| AREA (Sq. Ft.) | 182 / 27.5 | BEAM MATERIAL | | HORIZONTAL CLEARANCE | 'LEFT |
| BORDER WIDTH | 2' / 2" | BEAM SIZE | | | 'RIGHT |
| BORDER RADIUS | 12' / 3.25' | BEAM/POST LENGTH | 1. = | SYMBOL | X Y WIDTH HEIGHT |
| PANEL COLOR | GREEN | BEAM/POST LENGTH | 2. = | MI-4 (27) | 32.0 99.9 36" 36" |
| LEGEND/BORDER COLOR | WHITE | BEAM/POST LENGTH | 3. = | MI-4 (68) | 100.0 99.9 36" 36" |
| STATION(S) | 206+90 | BEAM/POST LENGTH | 4. = | | |
| PANEL MATERIAL | REFLECTIVE | CONC 'a' = | Cu. Yds. | | |
| LEGEND MATERIAL | REFLECTIVE | CONC 'b' = | | | |



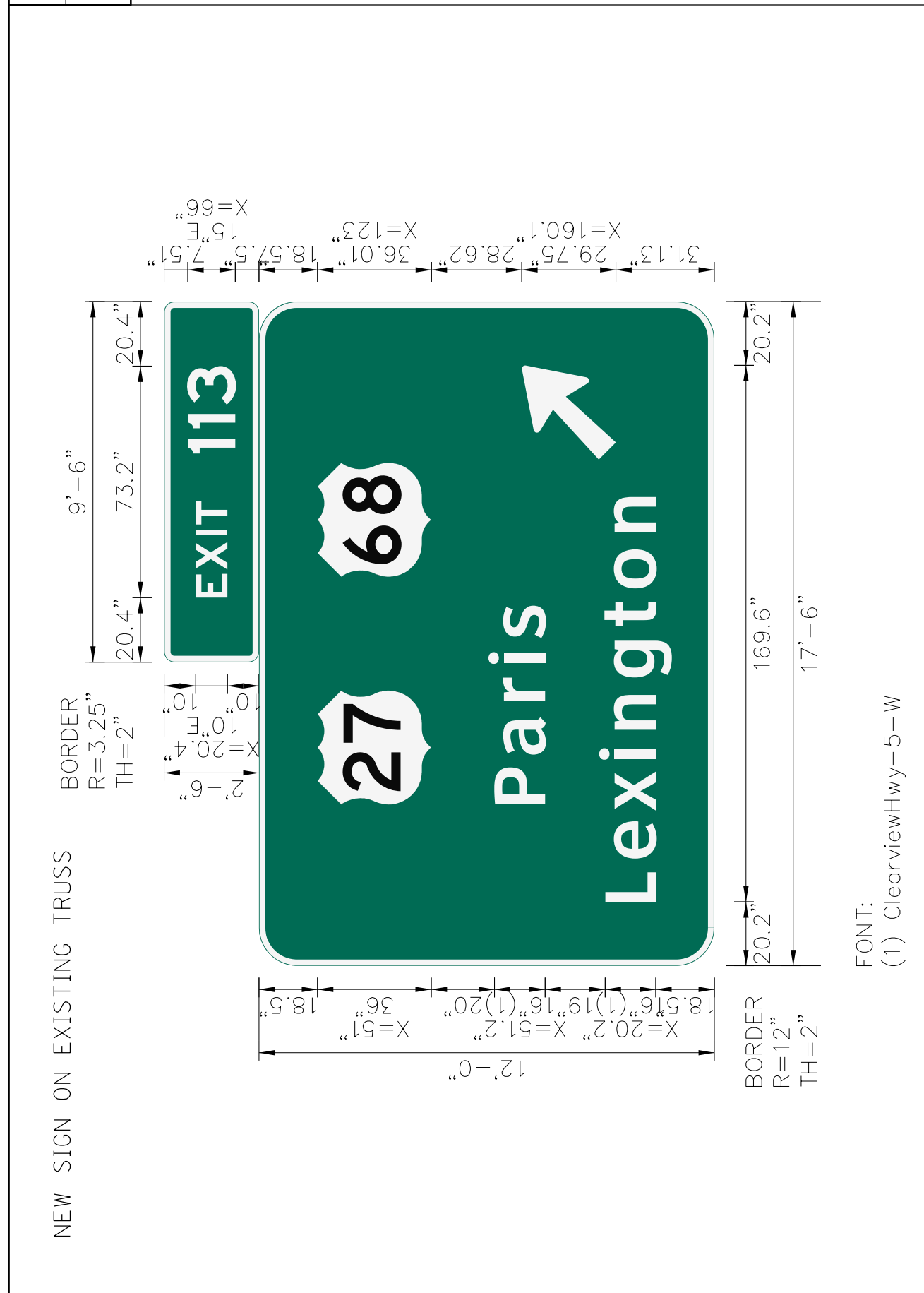
| SIGN INFORMATION | | SIGN LOCATION / SUPPORT | | SUPPORT TYPE | |
|---------------------|----------------|-------------------------|------------|------------------------------------|------------------------------------|
| SIGN NUMBER | P-304 | ROAD & MILE POINT | 1-75/1-64 | SUPPORT TYPE | |
| QUANTITY | 1 | TRAFFIC DIRECTION | NORTHBOUND | 'A' = FIXED BEAMS | 'A' = FIXED BEAMS |
| WIDTH | 19' 0" / 9' 6" | SIDE OF ROAD | | 'B' = STANDARD BREAK-4-WAY BEAMS | 'B' = STANDARD BREAK-4-WAY BEAMS |
| HEIGHT | 15' 6" / 2' 6" | MOUNTING STYLE | OVERHEAD | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY |
| AREA (Sq. Ft.) | 294.5 / 23.75 | BEAM MATERIAL | | HORIZONTAL CLEARANCE | 'LEFT |
| BORDER WIDTH | 2' / 2" | BEAM SIZE | | | 'RIGHT |
| BORDER RADIUS | 12' / 3.25' | BEAM/POST LENGTH | 1. = | SYMBOL | X Y WIDTH HEIGHT |
| PANEL COLOR | GREEN & YELLOW | BEAM/POST LENGTH | 2. = | MI-4 (27) | 60.0 131.0 36" 36" |
| LEGEND/BORDER COLOR | WHITE & BLACK | BEAM/POST LENGTH | 3. = | MI-4 (68) | 132.0 131.0 36" 36" |
| STATION(S) | 285+21 | BEAM/POST LENGTH | 4. = | | |
| PANEL MATERIAL | REFLECTIVE | CONC 'a' = | Cu. Yds. | | |
| LEGEND MATERIAL | REFLECTIVE | CONC 'b' = | | | |



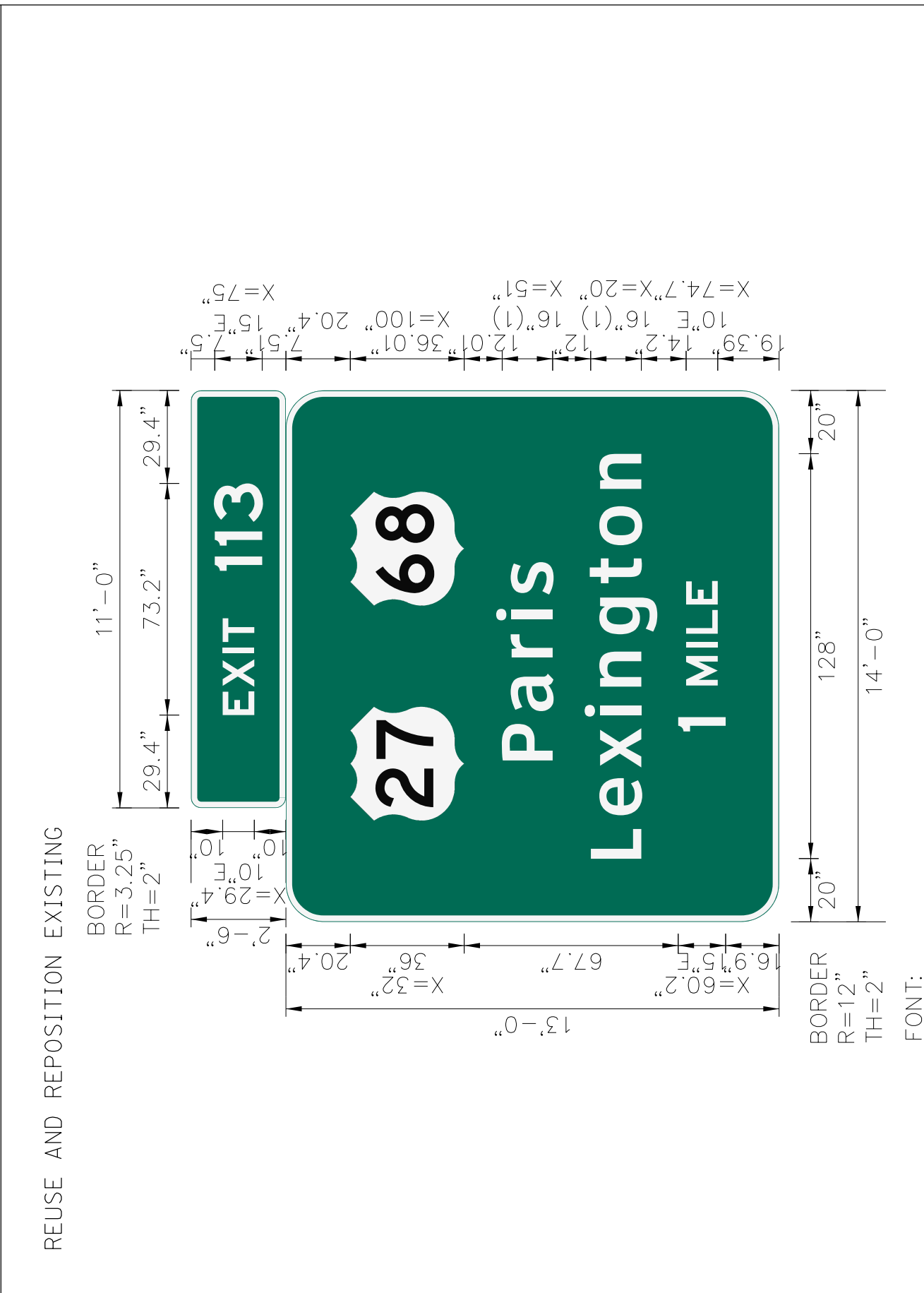
| SIGN INFORMATION | | SIGN LOCATION / SUPPORT | | SUPPORT TYPE | |
|---------------------|-----------------|-------------------------|------------|------------------------------------|------------------------------------|
| SIGN NUMBER | P-302 | ROAD & MILE POINT | 1-75/1-64 | SUPPORT TYPE | |
| QUANTITY | 1 | TRAFFIC DIRECTION | SOUTHBOUND | 'A' = FIXED BEAMS | 'A' = FIXED BEAMS |
| WIDTH | 14' 0" / 11' 0" | SIDE OF ROAD | | 'B' = STANDARD BREAK-4-WAY BEAMS | 'B' = STANDARD BREAK-4-WAY BEAMS |
| HEIGHT | 13' 0" / 2' 6" | MOUNTING STYLE | OVERHEAD | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY |
| AREA (Sq. Ft.) | 182 / 27.5 | BEAM MATERIAL | | HORIZONTAL CLEARANCE | 'LEFT |
| BORDER WIDTH | 2' / 2" | BEAM SIZE | | | 'RIGHT |
| BORDER RADIUS | 12' / 3.25' | BEAM/POST LENGTH | 1. = | SYMBOL | X Y WIDTH HEIGHT |
| PANEL COLOR | GREEN | BEAM/POST LENGTH | 2. = | MI-4 (27) | 32.0 99.9 36" 36" |
| LEGEND/BORDER COLOR | WHITE | BEAM/POST LENGTH | 3. = | MI-4 (68) | 100.0 99.9 36" 36" |
| STATION(S) | 231+37 | BEAM/POST LENGTH | 4. = | | |
| PANEL MATERIAL | REFLECTIVE | CONC 'a' = | Cu. Yds. | | |
| LEGEND MATERIAL | REFLECTIVE | CONC 'b' = | | | |



| SIGN INFORMATION | | SIGN LOCATION / SUPPORT | | SUPPORT TYPE | |
|---------------------|----------|-------------------------|------------|------------------------------------|------------------------------------|
| SIGN NUMBER | P-305 | ROAD & MILE POINT | 1-75/1-64 | SUPPORT TYPE | C |
| QUANTITY | EXISTING | TRAFFIC DIRECTION | NORTHBOUND | 'A' = FIXED BEAMS | 'A' = FIXED BEAMS |
| WIDTH | EXISTING | SIDE OF ROAD | | 'B' = STANDARD BREAK-4-WAY BEAMS | 'B' = STANDARD BREAK-4-WAY BEAMS |
| HEIGHT | EXISTING | MOUNTING STYLE | GROUND | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY |
| AREA (Sq. Ft.) | EXISTING | BEAM MATERIAL | STEEL | HORIZONTAL CLEARANCE | 'LEFT |
| BORDER WIDTH | EXISTING | BEAM SIZE | W10x26 | | 'RIGHT |
| BORDER RADIUS | EXISTING | BEAM/POST LENGTH | 1. = | SYMBOL | X Y WIDTH HEIGHT |
| PANEL COLOR | EXISTING | BEAM/POST LENGTH | 2. = | MI-4 (27) | 23.47' |
| LEGEND/BORDER COLOR | EXISTING | BEAM/POST LENGTH | 3. = | MI-4 (68) | 24.87' |
| STATION(S) | 306+65 | BEAM/POST LENGTH | 4. = | | |
| PANEL MATERIAL | EXISTING | CONC 'a' = | 3 | | |
| LEGEND MATERIAL | EXISTING | CONC 'b' = | 9 | | |

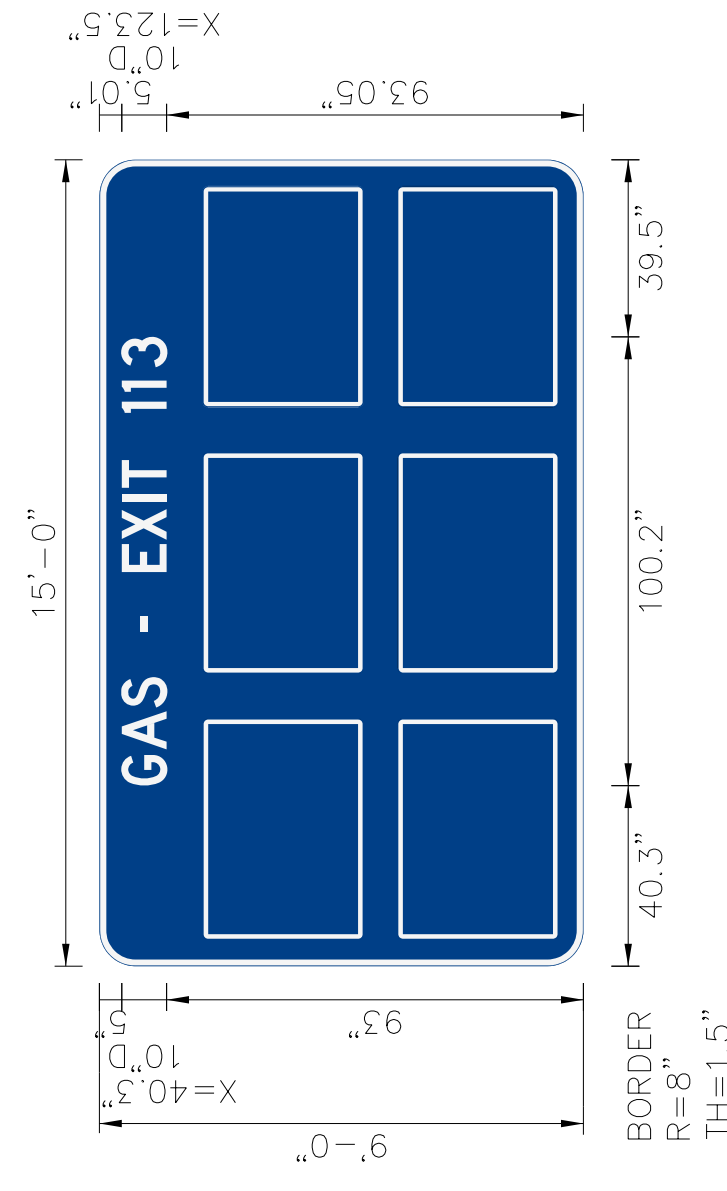


| SIGN INFORMATION | | SIGN LOCATION / SUPPORT | | SUPPORT TYPE | |
|---------------------|----------------|-------------------------|------------|------------------------------------|------------------------------------|
| SIGN NUMBER | P-303 | ROAD & MILE POINT | 1-75/1-64 | SUPPORT TYPE | A |
| QUANTITY | 1 | TRAFFIC DIRECTION | SOUTHBOUND | 'A' = FIXED BEAMS | 'A' = FIXED BEAMS |
| WIDTH | 17' 6" / 9' 6" | SIDE OF ROAD | | 'B' = STANDARD BREAK-4-WAY BEAMS | 'B' = STANDARD BREAK-4-WAY BEAMS |
| HEIGHT | 12' 0" / 2' 6" | MOUNTING STYLE | OVERHEAD | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY |
| AREA (Sq. Ft.) | 210 / 23.75 | BEAM MATERIAL | | HORIZONTAL CLEARANCE | 'LEFT |
| BORDER WIDTH | 2' / 2" | BEAM SIZE | | | 'RIGHT |
| BORDER RADIUS | 12' / 3.25' | BEAM/POST LENGTH | 1. = | SYMBOL | X Y WIDTH HEIGHT |
| PANEL COLOR | GREEN | BEAM/POST LENGTH | 2. = | MI-4 (27) | 51.0 89.5 36" 36" |
| LEGEND/BORDER COLOR | WHITE | BEAM/POST LENGTH | 3. = | MI-4 (68) | 123.0 89.5 36" 36" |
| STATION(S) | 259+15 | BEAM/POST LENGTH | 4. = | | |
| PANEL MATERIAL | REFLECTIVE | CONC 'a' = | Cu. Yds. | | |
| LEGEND MATERIAL | REFLECTIVE | CONC 'b' = | | | |



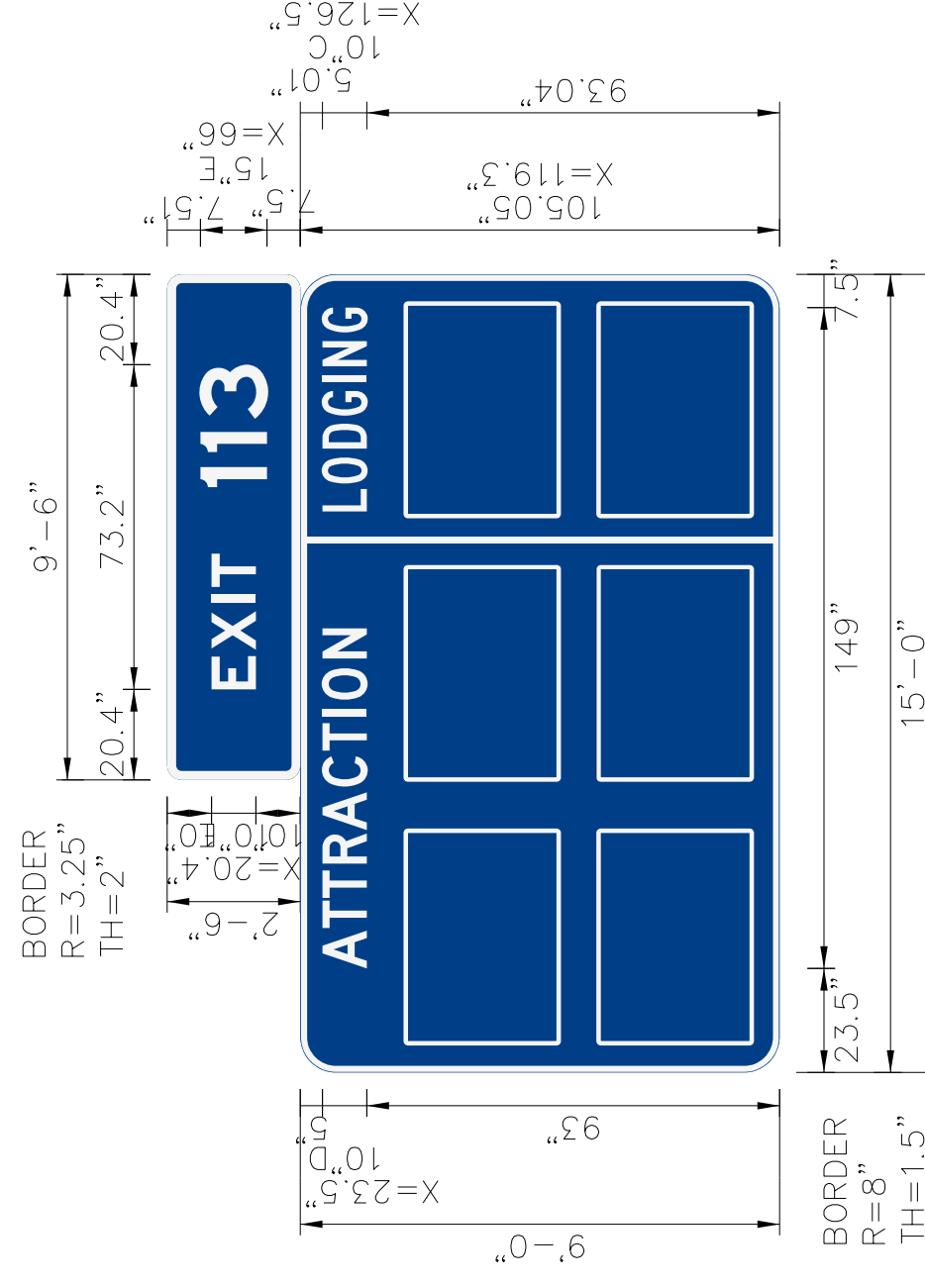
| SIGN INFORMATION | | SIGN LOCATION / SUPPORT | | SUPPORT TYPE | |
|---------------------|----------|-------------------------|------------|------------------------------------|------------------------------------|
| SIGN NUMBER | P-306 | ROAD & MILE POINT | 1-75/1-64 | SUPPORT TYPE | A |
| QUANTITY | EXISTING | TRAFFIC DIRECTION | NORTHBOUND | 'A' = FIXED BEAMS | 'A' = FIXED BEAMS |
| WIDTH | EXISTING | SIDE OF ROAD | | 'B' = STANDARD BREAK-4-WAY BEAMS | 'B' = STANDARD BREAK-4-WAY BEAMS |
| HEIGHT | EXISTING | MOUNTING STYLE | GROUND | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY | 'C' = OMNI-DIRECTIONAL BREAK-4-WAY |
| AREA (Sq. Ft.) | EXISTING | BEAM MATERIAL | STEEL | HORIZONTAL CLEARANCE | 'LEFT |
| BORDER WIDTH | EXISTING | BEAM SIZE | W10x26 | | 'RIGHT |
| BORDER RADIUS | EXISTING | BEAM/POST LENGTH | 1. = | SYMBOL | X Y WIDTH HEIGHT |
| PANEL COLOR | EXISTING | BEAM/POST LENGTH | 2. = | MI-4 (27) | 23.47' |
| LEGEND/BORDER COLOR | EXISTING | BEAM/POST LENGTH | 3. = | MI-4 (68) | 24.87' |
| STATION(S) | 337+02 | BEAM/POST LENGTH | 4. = | | |
| PANEL MATERIAL | EXISTING | CONC 'a' = | 3 | | |
| LEGEND MATERIAL | EXISTING | CONC 'b' = | 9 | | |

REUSE AND RELOCATE EXISTING



| SIGN INFORMATION | | SIGN LOCATION / SUPPORT | | SUPPORT TYPE | |
|---------------------|----------|-------------------------|------------|---|------------------|
| SIGN NUMBER | P-307 | ROAD & MILE POINT | 1-75/1-64 | SUPPORT TYPE C | |
| QUANTITY | EXISTING | TRAFFIC DIRECTION | NORTHBOUND | *A = FIXED BEAMS *B = BREAK-A-WAY BEAMS *C = OMNI-DIRECTIONAL BREAK-A-WAY | |
| WIDTH | EXISTING | SIDE OF ROAD | RIGHT | HORIZONTAL CLEARANCE | |
| HEIGHT | EXISTING | MOUNTING STYLE | GROUND | 'LEFT | |
| AREA (SQ. FT.) | EXISTING | BEAM MATERIAL | STEEL | 'RIGHT | |
| BORDER WIDTH | EXISTING | BEAM SIZE | WBX18 | SYMBOL | X Y WIDTH HEIGHT |
| BORDER RADIUS | EXISTING | BEAM/POST LENGTH | 1. = 19.5' | | |
| PANEL COLOR | EXISTING | BEAM/POST LENGTH | 2. = 21' | | |
| LEGEND/BORDER COLOR | EXISTING | BEAM/POST LENGTH | 3. = | | |
| STATION(S) | 345+35 | BEAM/POST LENGTH | 4. = | | |
| PANEL MATERIAL | EXISTING | CONC 'a' = | 3 | | |
| LEGEND MATERIAL | EXISTING | CONC 'b' = | 8 | | |

NEW SIGN ON NEW SUPPORTS



| SIGN INFORMATION | | SIGN LOCATION / SUPPORT | | SUPPORT TYPE | |
|---------------------|----------------|-------------------------|------------|---|------------------|
| SIGN NUMBER | P-308 | ROAD & MILE POINT | 1-75/1-64 | SUPPORT TYPE C | |
| QUANTITY | 1 | TRAFFIC DIRECTION | NORTHBOUND | *A = FIXED BEAMS *B = BREAK-A-WAY BEAMS *C = OMNI-DIRECTIONAL BREAK-A-WAY | |
| WIDTH | 15' 0" / 9' 6" | SIDE OF ROAD | RIGHT | HORIZONTAL CLEARANCE | |
| HEIGHT | 9' 0" / 2' 6" | MOUNTING STYLE | GROUND | 'LEFT | |
| AREA (SQ. FT.) | 135 / 23.75 | BEAM MATERIAL | STEEL | 'RIGHT | |
| BORDER WIDTH | 1.5' / 1.5' | BEAM SIZE | WBX18 | SYMBOL | X Y WIDTH HEIGHT |
| BORDER RADIUS | 0' / 3.25' | BEAM/POST LENGTH | 1. = 19.5' | | |
| PANEL COLOR | BLUE | BEAM/POST LENGTH | 2. = 21' | | |
| LEGEND/BORDER COLOR | WHITE | BEAM/POST LENGTH | 3. = | | |
| STATION(S) | 353+42 | BEAM/POST LENGTH | 4. = | | |
| PANEL MATERIAL | REFLECTIVE | CONC 'a' = | 3 | | |
| LEGEND MATERIAL | REFLECTIVE | CONC 'b' = | 8 | | |

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T024 |

GENERAL NOTES:
1. VERIFY FINAL LOCATION OF GROUND MOUNTED PANEL SIGNS PRIOR TO ORDERING BEAM AND SUPPORTS. THE ACTUAL LOCATION IS PROTECTED BY GUARDRAIL.

PANEL SIGN
DETAIL SHEET
(SHEET 2 OF 3)

GENERAL NOTES:
 1. VERIFY FINAL LOCATION OF GROUND MOUNTED PANEL SIGNS PRIOR TO ORDERING BEAM AND POST. BEAM AND POST LOCATION WILL DEPEND ON THE ACTUAL LOCATION IS PROTECTED BY GUARDRAIL.

| SIGN INFORMATION | | | |
|--|------------------|---------|--------------|
| SIGN NUMBER | P-309 | | |
| QUANTITY | 1 | | |
| WIDTH | 45' 6" / 11' 0" | | |
| HEIGHT | 118' 6" / 41' 6" | | |
| AREA (SQ. FT.) | 841.75 / 49.5 | | |
| BORDER WIDTH | 2" / 1.25" | | |
| BORDER RADIUS | 12" / 2" | | |
| PANEL COLOR | GREEN & YELLOW | | |
| LEGEND/BORDER COLOR | WHITE & BLACK | | |
| STATIONS(S) | 300+50 | | |
| PANEL MATERIAL | REFLECTIVE | | |
| LEGEND MATERIAL | REFLECTIVE | | |
| SIGN LOCATION / SUPPORT | | | |
| ROAD & MILE POINT | I-75/I-64 | | |
| TRAFFIC DIRECTION | SOUTHBOUND | | |
| SIDE OF ROAD | | | |
| MOUNTING STYLE | OVERHEAD | | |
| BEAM MATERIAL | | | |
| BEAM SIZE | | | |
| BEAM/POST LENGTH 1. | | | |
| BEAM/POST LENGTH 2. | | | |
| BEAM/POST LENGTH 3. | | | |
| BEAM/POST LENGTH 4. | | | |
| CONC "a" = 2.0 | Cu. Yds. | | |
| CONC "b" = 5.0 | | | |
| SUPPORT TYPE | | | |
| SUPPORT TYPE | | | |
| "A" = FIXED BEAMS "B" = FIXED BEAMS BREAK-A-WAY BEAMS "C" = OWN-DIRECTIONAL BREAK-A-WAY BEAMS "D" = OWN-DIRECTIONAL BREAK-A-WAY | | | |
| HORIZONTAL CLEARANCE | | | |
| 'LEFT | | 'RIGHT | |
| SYMBOL | X | Y | WIDTH HEIGHT |
| M1-1 (64) | 602.2 | 1301.36 | 36" 36" |
| M1-1 (75) | 3202.2 | 1301.36 | 36" 36" |

| SIGN INFORMATION | | | |
|--|------------------|---------|--------------|
| SIGN NUMBER | P-310 | | |
| QUANTITY | 1 | | |
| WIDTH | 45' 6" / 11' 0" | | |
| HEIGHT | 118' 6" / 41' 6" | | |
| AREA (SQ. FT.) | 841.75 / 49.5 | | |
| BORDER WIDTH | 2" / 1.25" | | |
| BORDER RADIUS | 12" / 2" | | |
| PANEL COLOR | GREEN | | |
| LEGEND/BORDER COLOR | WHITE | | |
| STATIONS(S) | 334+06 | | |
| PANEL MATERIAL | REFLECTIVE | | |
| LEGEND MATERIAL | REFLECTIVE | | |
| SIGN LOCATION / SUPPORT | | | |
| ROAD & MILE POINT | I-75/I-64 | | |
| TRAFFIC DIRECTION | SOUTHBOUND | | |
| SIDE OF ROAD | | | |
| MOUNTING STYLE | OVERHEAD | | |
| BEAM MATERIAL | | | |
| BEAM SIZE | | | |
| BEAM/POST LENGTH 1. | | | |
| BEAM/POST LENGTH 2. | | | |
| BEAM/POST LENGTH 3. | | | |
| BEAM/POST LENGTH 4. | | | |
| CONC "a" = 2.5 | Cu. Yds. | | |
| CONC "b" = 7.0 | | | |
| SUPPORT TYPE | | | |
| SUPPORT TYPE | | | |
| "A" = FIXED BEAMS "B" = FIXED BEAMS BREAK-A-WAY BEAMS "C" = OWN-DIRECTIONAL BREAK-A-WAY BEAMS "D" = OWN-DIRECTIONAL BREAK-A-WAY | | | |
| HORIZONTAL CLEARANCE | | | |
| 'LEFT | | 'RIGHT | |
| SYMBOL | X | Y | WIDTH HEIGHT |
| M1-1 (64) | 602.2 | 1301.36 | 36" 36" |
| M1-1 (75) | 3202.2 | 1301.36 | 36" 36" |


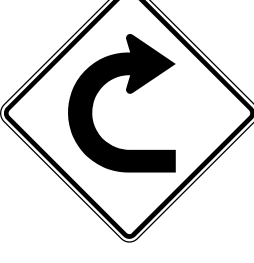


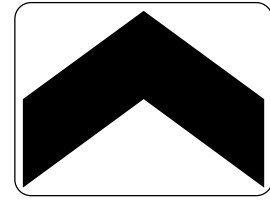
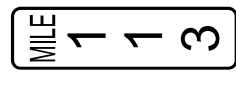
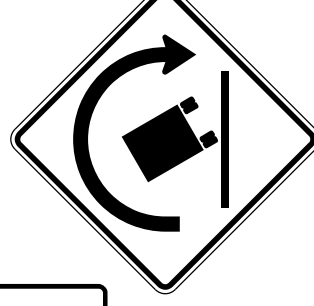


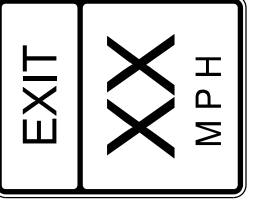

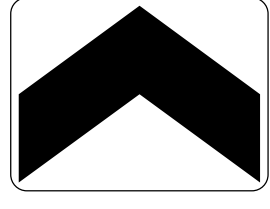


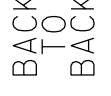
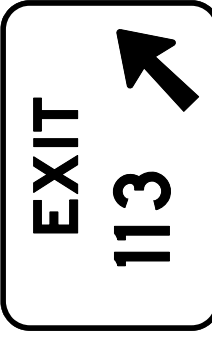

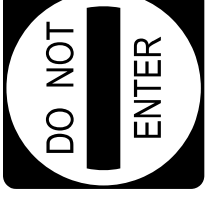
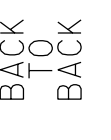
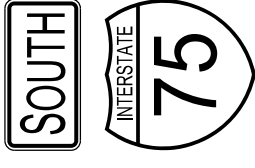

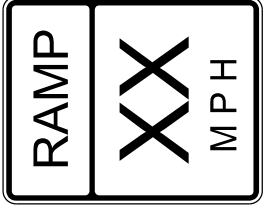

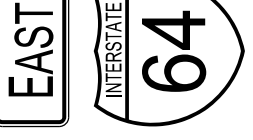



FONT:
 (1) ClearviewHwy=5-W




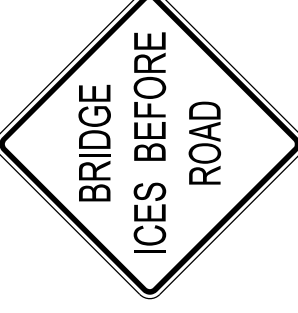


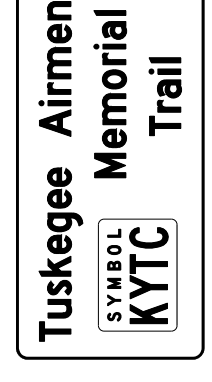
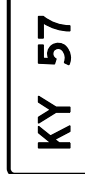

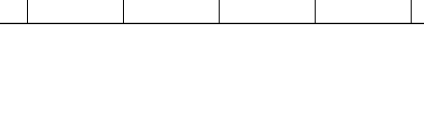
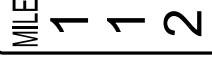
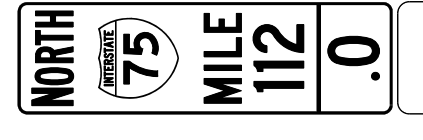
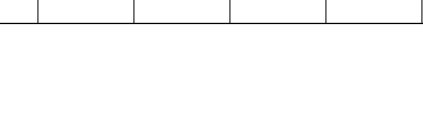
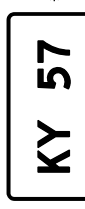
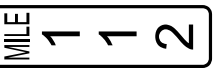



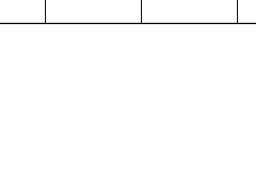


FONT:
 (1) ClearviewHwy=5-W

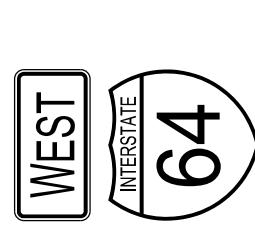
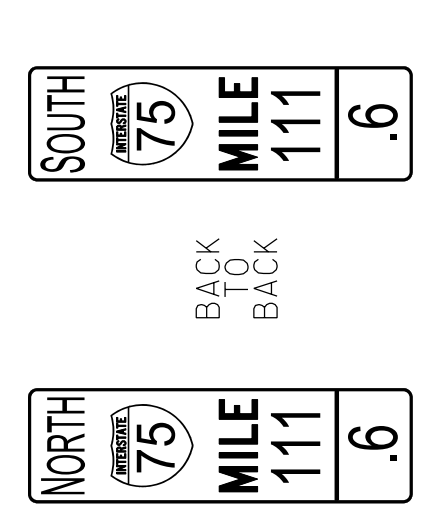
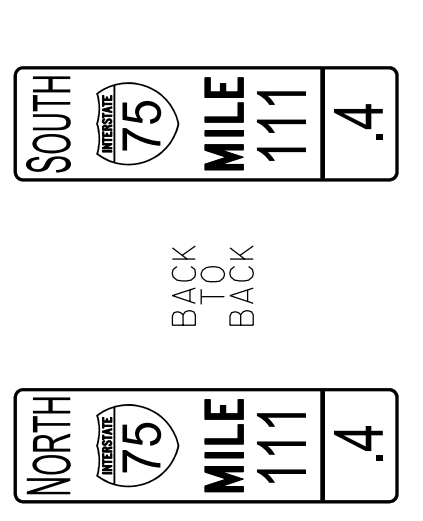
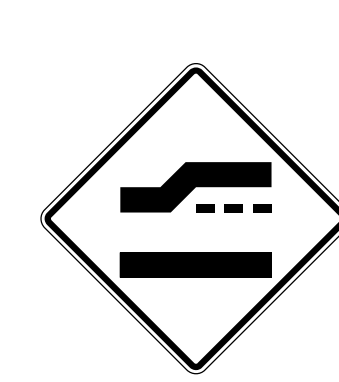
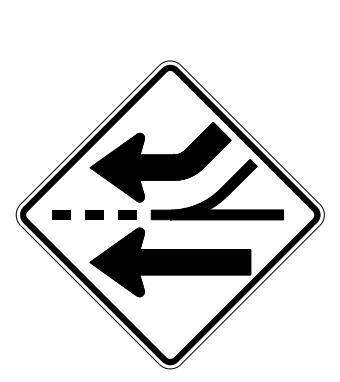
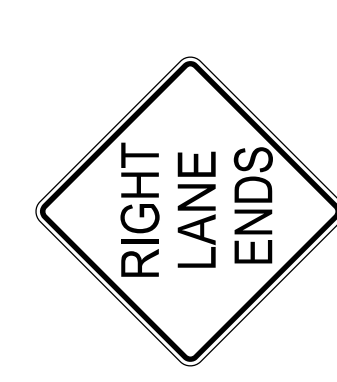
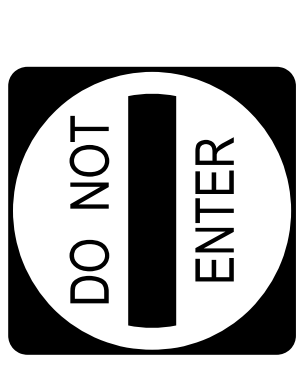
SHEETING SIGNS SUMMARY SHEET

| SIGN/SIGN ASSEMBLY NUMBER | | SIZES IN INCHES HORIZ. VERT. | | MESSAGES | | SPECIFICATION | | SIGN LOCATION | | | | ITEM NO. | | SHEET NO. | | | | | | | | |
|---------------------------|----|-----------------------------------|--|----------|-------------------|---------------|----|---------------|--------------------------|---------|---|----------|----|-----------|----|-----------|-----------|------|------|--|--|--|
| | | | | | | | | SIDE OF ROAD | FACING TRAFFIC TRAVELING | ON ROAD | AT STATION (APPROXIMATE) | | | | | COUNTY OF | 7-8909.30 | T026 | T026 | | | |
| S-301 | 48 | 48 |  | | W4-IR | RT | NB | I-75/1-64 | 271+21 | S-307 |   | 48 | 48 | RT | NB | I-75/1-64 | 282+80 | | | | | |
| | 48 | 48 | | | REUSE W4-IR | RT | SB | I-75/1-64 | 274+06 | | | 30 | 30 | RT | NB | I-75/1-64 | 282+80 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| S-302 | 42 | 30 |   | | REUSE R5-1g | RT | SB | RAMP B | 28+69 | S-308 |  | 12 | 48 | RT | NB | I-75/1-64 | 283+17 | | | | | |
| | 36 | 48 | | | REUSE W1-8R | LT | NB | RAMP B | 28+69 | | | 12 | 48 | RT | SB | I-75/1-64 | 283+17 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| S-303 | 42 | 30 |    | | REUSE R5-1g | LT | SB | RAMP B | 28+69 | S-309 |   | 36 | 48 | RT | NB | I-75/1-64 | 285+32 | | | | | |
| | 48 | 48 | | | REUSE W1-13R | RT | NB | RAMP B | 28+69 | | | | | | | | | | | | | |
| | 30 | 30 | | | REUSE W13-IP | RT | NB | RAMP B | 28+69 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| S-304 | 36 | 48 |  | | REUSE W1-8 | LT | NB | RAMP B | 27+98 | S-310 |    | 18 | 60 | LT | NB | I-75/1-64 | 304+44 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| S-305 | 90 | 60 |     | | REUSE E5-1a (113) | RT | NB | I-75/1-64 | 279+00 | S-311 |   | 36 | 18 | RT | SB | I-75/1-64 | 304+94 | | | | | |
| | 72 | 24 | | | REUSE E13-1P (XX) | RT | NB | I-75/1-64 | 279+00 | | | 36 | 36 | RT | SB | I-75/1-64 | 304+94 | | | | | |
| | 48 | 48 | | | R5-1 | LT | SB | I-75/1-64 | 279+00 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| S-306 | 36 | 48 |   | | REUSE W13-3 | RT | NB | RAMP B | 25+20 | S-312 |   | 36 | 18 | RT | SB | I-75/1-64 | 304+94 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

SHEETING SIGNS SUMMARY SHEET

| COUNTY OF FAYETTE | | ITEM NO. 7-8909.30 | SHEET NO. T027 | | | | | | | | |
|---------------------------|-----------------------------------|--|-------------------|--------------------------|-----------|----------------------------|--------------|--------------------------|-----------|--------------------------|--------------------------|
| SIGN/SIGN ASSEMBLY NUMBER | SIZES IN INCHES HORIZ. VERT. | MESSAGES ① | SIGN LOCATION | | | SPECIFICATION | SIDE OF ROAD | FACING TRAFFIC TRAVELING | ON ROAD | AT STATION (APPROXIMATE) | |
| | | | SIDE OF ROAD | FACING TRAFFIC TRAVELING | ON ROAD | | | | | | AT STATION (APPROXIMATE) |
| S-313 | 48 60 |  SPEED LIMIT 70 | RT | SB | I-75/1-64 | R2-1 (70) | RT | SB | I-75/1-64 | 312+59 | |
| | 48 60 | | RT | NB | I-75/1-64 | R2-1 (70) | RT | NB | I-75/1-64 | 341+33 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-314 | 18 60 |  NORTH 75 MILE 112.4  SOUTH 75 MILE 112.4 BACK TO BACK | LT | NB | I-75/1-64 | D10-5 (N I-75 112.4; BLUE) | LT | NB | I-75/1-64 | 314+67 | |
| | 18 60 | | LT | SB | I-75/1-64 | D10-5 (S I-75 112.4; BLUE) | LT | SB | I-75/1-64 | 314+67 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-315 | 48 48 |  BRIDGE ICES BEFORE ROAD | RT | NB | I-75/1-64 | W8-13 | RT | NB | I-75/1-64 | 316+90 | |
| | 48 48 | | RT | SB | I-75/1-64 | W8-13 | RT | SB | I-75/1-64 | 282+80 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-316 | 18 60 |  NORTH 75 MILE 112.2  SOUTH 75 MILE 112.2 BACK TO BACK | LT | NB | I-75/1-64 | D10-5 (N I-75 112.2; BLUE) | LT | NB | I-75/1-64 | 324+91 | |
| | 18 60 | | LT | SB | I-75/1-64 | D10-5 (S I-75 112.2; BLUE) | LT | SB | I-75/1-64 | 324+91 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-317 | 96 48 |  Tuskegee Airmen Memorial Trail KYTC | RT | SB | I-75/1-64 | CUST (TUSKEGEE AIRMEN) | RT | SB | I-75/1-64 | 324+98 | |
| | 96 48 | | RT | NB | I-75/1-64 | CUST (TUSKEGEE AIRMEN) | RT | NB | I-75/1-64 | 332+89 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-318 | 36 18 |  KY 57 | RT | SB | I-75/1-64 | CUST (KY 57) | RT | SB | I-75/1-64 | 334+26 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-319 | 18 60 |  SOUTH 75 MILE 112.0  NORTH 75 MILE 112.0 | LT | SB | I-75/1-64 | D10-5 (S I-75 112.0; BLUE) | LT | SB | I-75/1-64 | 334+70 | |
| | 18 9 | | LT | SB | I-75/1-64 | OM2-2H | LT | SB | I-75/1-64 | 334+70 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-320 | 12 48 |  MILE 112 | RT | SB | I-75/1-64 | D10-3 (112) | RT | SB | I-75/1-64 | 335+13 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-321 | 18 60 |  NORTH 75 MILE 112.0  SOUTH 75 MILE 112.0 | LT | NB | I-75/1-64 | D10-5 (N I-75 112.0; BLUE) | LT | NB | I-75/1-64 | 335+16 | |
| | 18 9 | | LT | NB | I-75/1-64 | OM2-2H | LT | NB | I-75/1-64 | 335+16 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-322 | 36 18 |  KY 57  MILE 112 | RT | NB | I-75/1-64 | CUST (KY 57) | RT | NB | I-75/1-64 | 335+59 | |
| | 12 48 | | RT | NB | I-75/1-64 | D10-3 (112) | RT | NB | I-75/1-64 | 335+59 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-323 | 18 60 |  NORTH 75 MILE 111.8  SOUTH 75 MILE 111.8 BACK TO BACK | LT | NB | I-75/1-64 | D10-5 (N I-75 111.8; BLUE) | LT | NB | I-75/1-64 | 345+38 | |
| | 18 60 | | LT | SB | I-75/1-64 | D10-5 (S I-75 111.8; BLUE) | LT | SB | I-75/1-64 | 345+38 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| S-324 | 36 18 |  NORTH 75 MILE 111  SOUTH 75 MILE 111 | RT | SB | I-75/1-64 | M3-1 | RT | SB | I-75/1-64 | 349+35 | |
| | 36 36 | | RT | SB | I-75/1-64 | M1-1 (75) | RT | SB | I-75/1-64 | 349+35 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

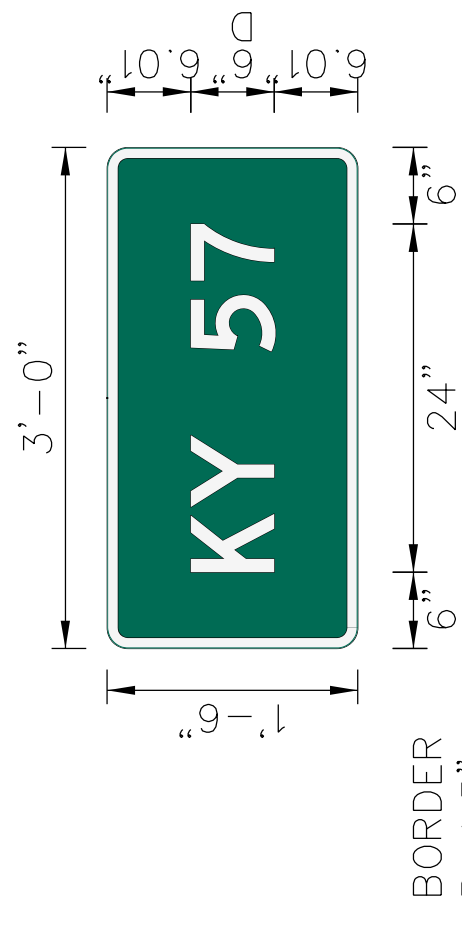
SHEETING SIGNS SUMMARY SHEET

| SIGN/SIGN ASSEMBLY NUMBER | | SIZES IN INCHES HORIZ. VERT. | | MESSAGES ① | | SPECIFICATION | | SIGN LOCATION | | | | SIZES IN INCHES HORIZ. VERT. | | MESSAGES ① | | SPECIFICATION | | SIGN LOCATION | | | | SIZES IN INCHES HORIZ. VERT. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|-----------------------------------|----|---|--|----------------------------|--|---------------|--------------------------|---------|--------------------------|-----------------------------------|--|------------|--|---------------|--|---------------|--------------------------|---------|--------------------------|-----------------------------------|--|-----------|--|--------|--|----------------------------|--|----|--|----|--|-----------|--|--------|--|--|--|--|--|----|--|----|--|--------|--|-------|--|
| | | | | | | | | SIDE OF ROAD | FACING TRAFFIC TRAVELING | ON ROAD | AT STATION (APPROXIMATE) | | | | | | | SIDE OF ROAD | FACING TRAFFIC TRAVELING | ON ROAD | AT STATION (APPROXIMATE) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S-325 | | 36 | 18 |  | | M3-4 | | RT | | SB | | I-75/I-64 | | 349+35 | | | | | | LT | | SB | | RAMP B | | 26+20 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 36 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | MI-1 (64) | | RT | | SB | | I-75/I-64 | | 349+35 | | | | | | LT | | NB | | RAMP D | | 47+27 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S-326 | | 18 | 60 |  | | D10-5 (N I-75 III.6; BLUE) | | LT | | NB | | I-75/I-64 | | 355+61 | | | | | | LT | | NB | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 18 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | D10-5 (S I-75 III.6; BLUE) | | LT | | SB | | I-75/I-64 | | 355+61 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S-327 | | 18 | 60 |  | | D10-5 (N I-75 III.4; BLUE) | | LT | | NB | | I-75/I-64 | | 365+86 | | | | | | LT | | SB | | I-75/I-64 | | 365+86 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 18 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | D10-5 (S I-75 III.4; BLUE) | | LT | | SB | | I-75/I-64 | | 365+86 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S-328 | | 48 | 48 |  | | W4-2 | | RT | | NB | | I-75/I-64 | | 371+87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S-329 | | 48 | 48 |  | | W4-3 | | RT | | NB | | I-75/I-64 | | 380+23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S-330 | | 48 | 48 |  | | W9-1 | | RT | | WB | | I-64 | | 375+87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S-331 | | 48 | 48 |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 48 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 48 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CUSTOM SHEETING SIGNS DETAIL SHEET

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T029 |

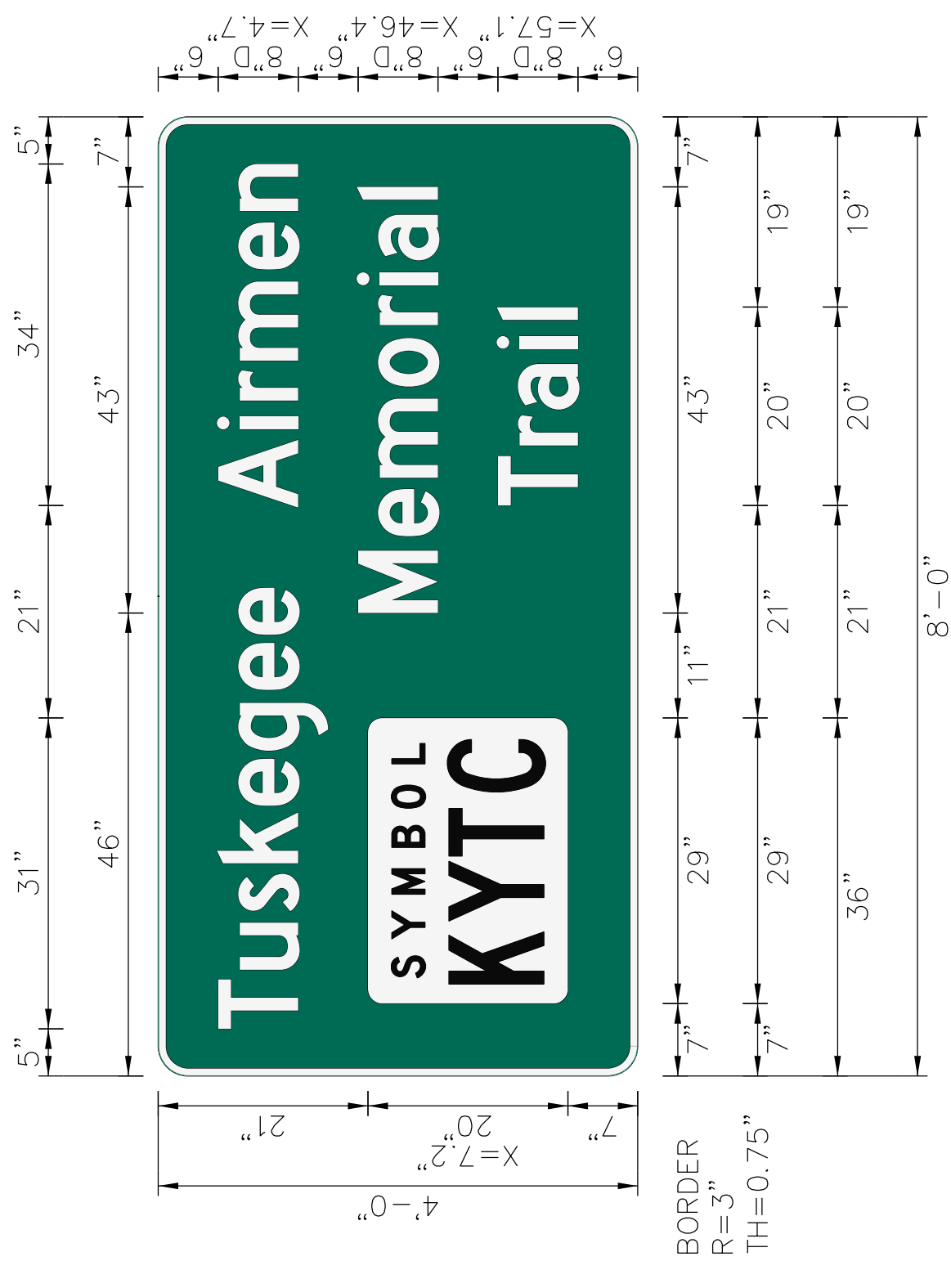
S-318 AND S-322



Panel Style: guide_con_destination.ssi
M.U.T.C.D.: 2009 Edition

| SIGN INFORMATION | |
|---------------------|-------|
| QUANTITY | 2 |
| AREA (Sq. Ft.) | 4.5 |
| PANEL COLOR | GREEN |
| LEGEND/BORDER COLOR | WHITE |

S-317

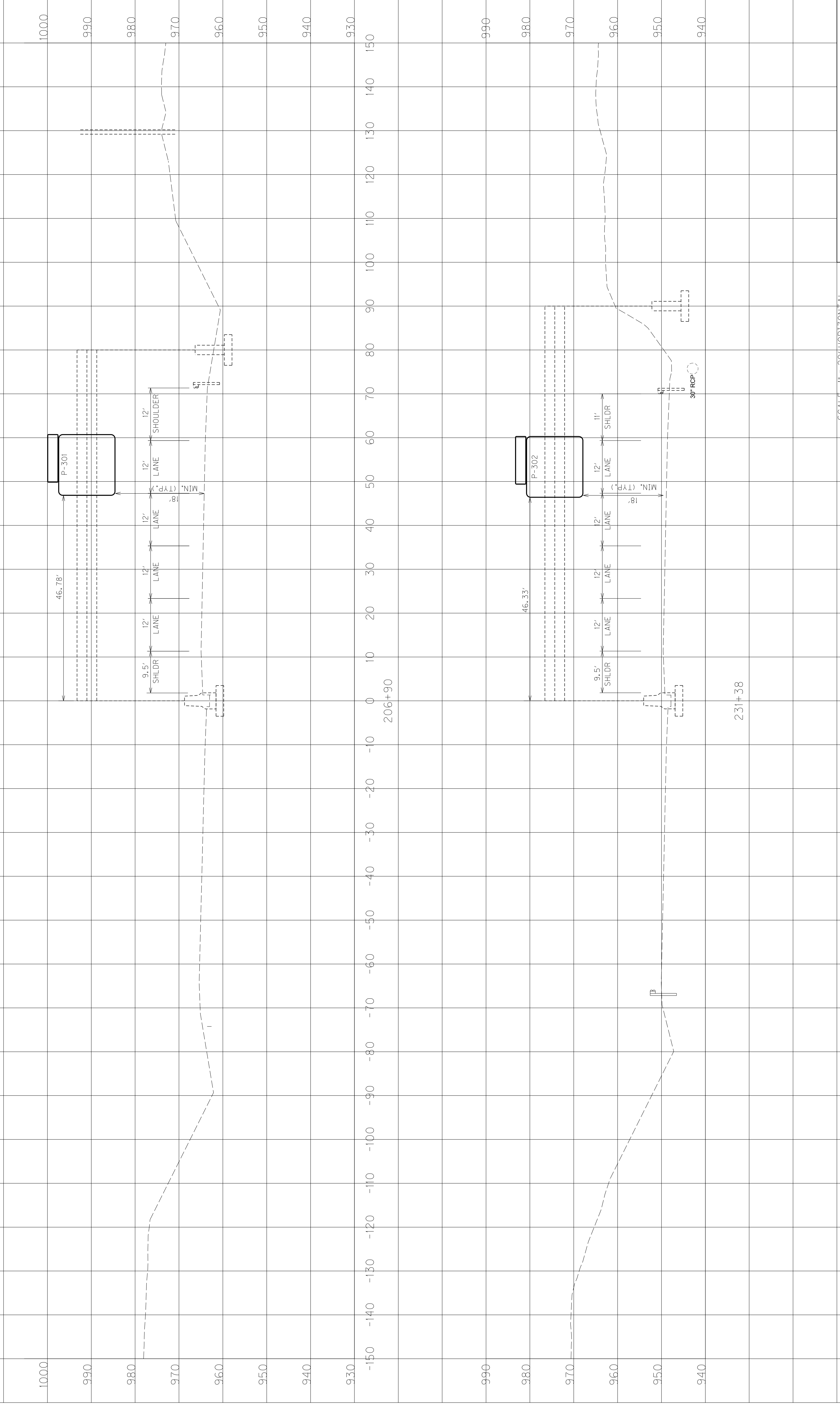


Panel Style: guide_con_destination_3-line_2012.ssi
M.U.T.C.D.: 2009 Edition

| SIGN INFORMATION | |
|---------------------|-------|
| QUANTITY | 2 |
| AREA (Sq. Ft.) | 32 |
| PANEL COLOR | GREEN |
| LEGEND/BORDER COLOR | WHITE |

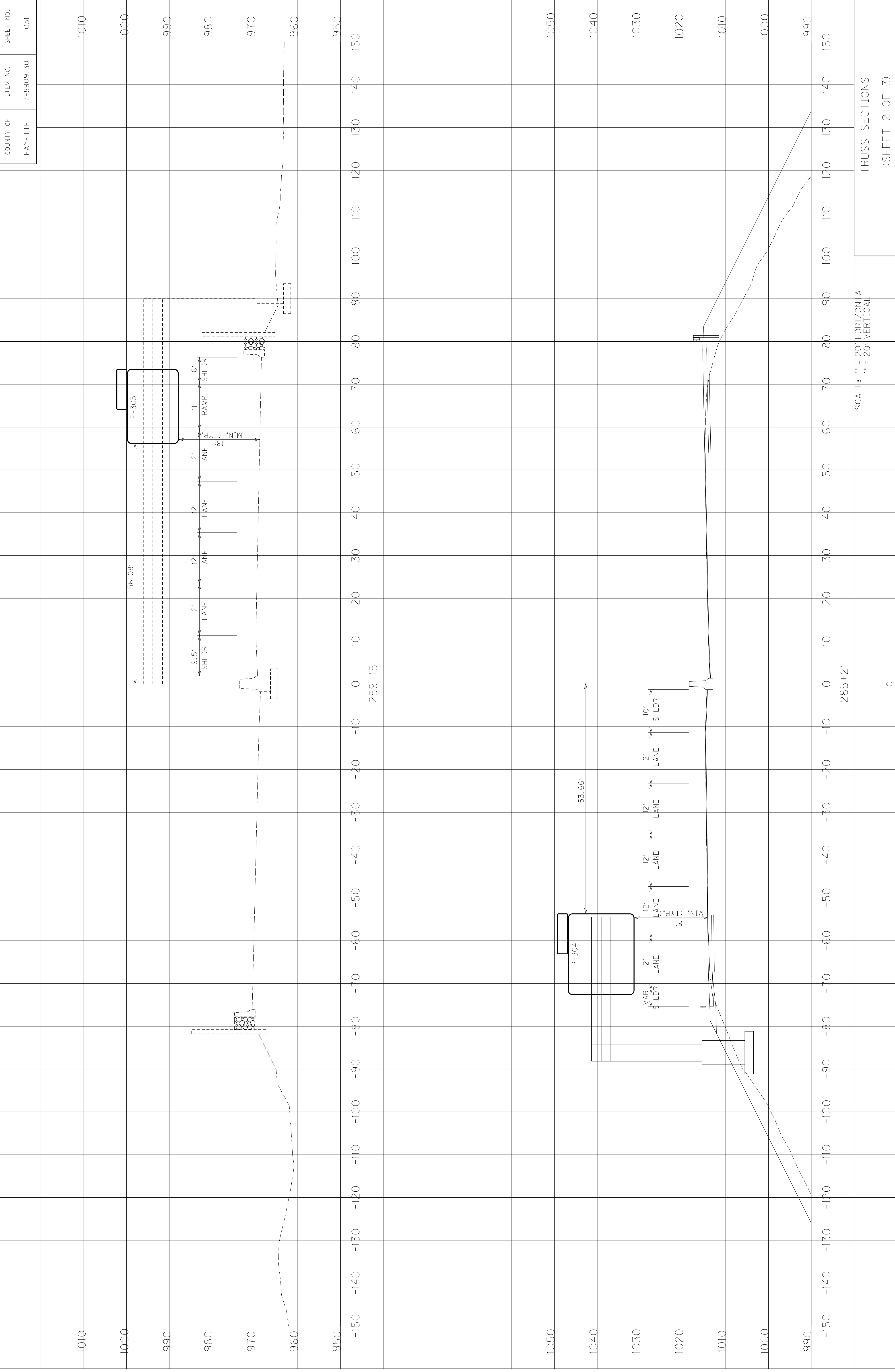
SYMBOL IS TO BE THE TUSKEGEE AIRMEN SYMBOL. CONTACT KYTC DISTRICT 7 TRAFFIC FOR SYMBOL DESIGN.

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T030 |



TRUSS SECTIONS
(SHEET 1 OF 3)

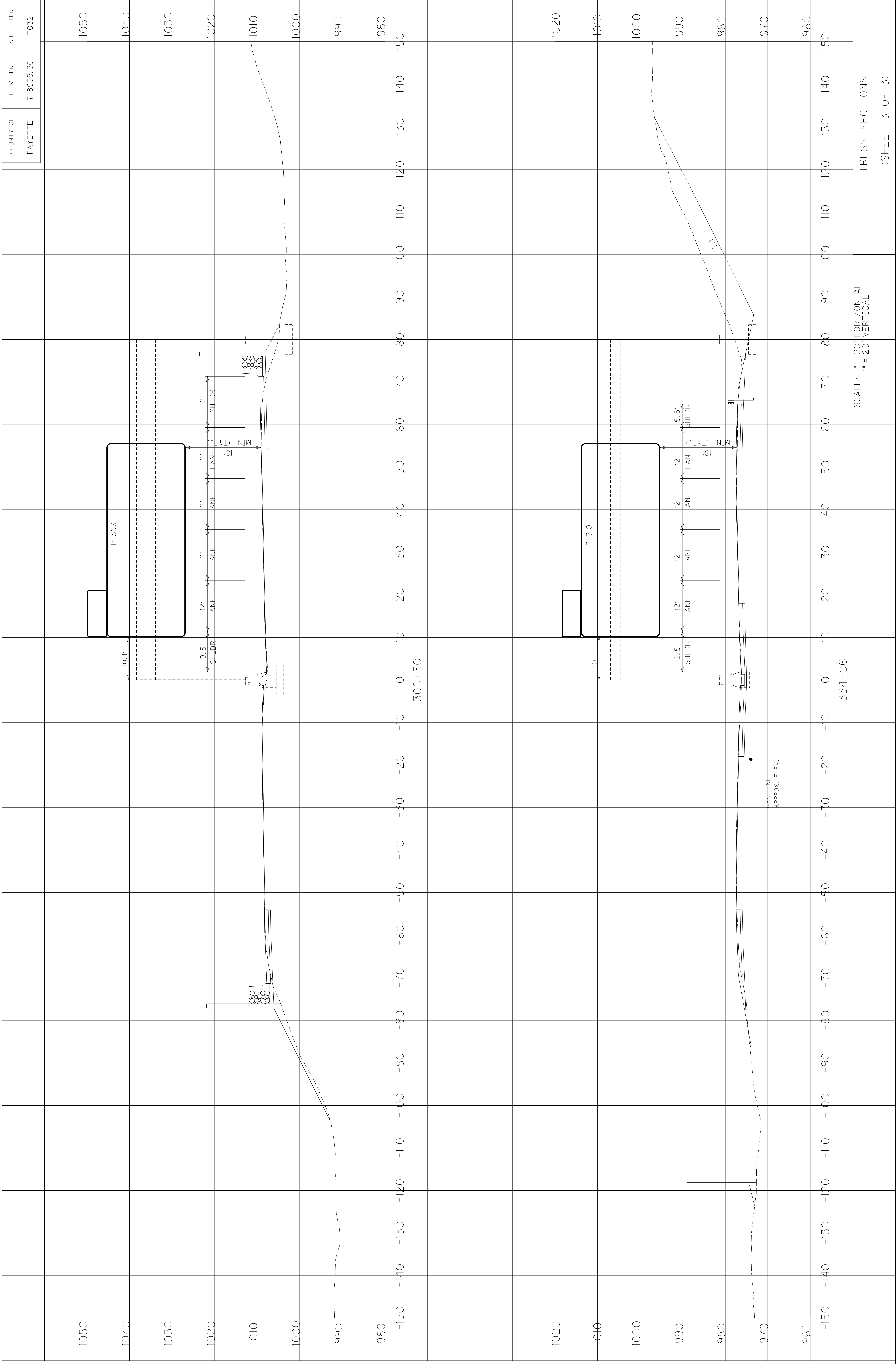
SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

TRUSS SECTIONS
(SHEET 2 OF 3)

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T031 |



SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

TRUSS SECTIONS
(SHEET 3 OF 3)

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T032 |

ROADWAY LIGHTING ESTIMATE OF QUANTITIES

| TOTAL | UNITS | CODE | ITEM DESCRIPTION |
|-------|--------|------------|--|
| 17 | EACH | 4700 | POLE 30' MTG HT |
| 13 | EACH | 4701 | POLE 40' MTG HT |
| 4 | EACH | 4723 | BRACKET 10' |
| 1 | EACH | 4724 | BRACKET 12' |
| 8 | EACH | 4725 | BRACKET 15' |
| 17 | EACH | 4730 | BRACKET "C" |
| 13 | EACH | 4740 | POLE BASE |
| 17 | EACH | 4741 | POLE BASE IN MED WALL |
| 13 | EACH | 4750 | TRANSFORMER BASE |
| 1 | EACH | 4761 | LIGHTING CONTROL EQUIPMENT |
| 60 | EACH | 4780 | FUSED CONNECTOR KIT |
| 3,630 | LIN FT | 4793 | CONDUIT-11/4 IN |
| 240 | LIN FT | 4795 | CONDUIT-2 IN |
| 3,580 | LIN FT | 4820 | TRENCHING AND BACKFILLING |
| 4,014 | LIN FT | 4832 | WIRE-NO. 12 |
| 7,060 | LIN FT | 4833 | WIRE-NO. 8 |
| 9,040 | LIN FT | 4834 | WIRE-NO. 6 |
| 1 | LP SUM | 4940 | REMOVE LIGHTING |
| 3 | EACH | 20391NS835 | ELECTRICAL JUNCTION BOX TYPE A |
| 4,260 | LIN FT | 20394ES835 | PVC CONDUIT - 3" IN MEDIAN BARRIER WALL |
| 1 | LP SUM | 20410ED | MAINTAIN LIGHTING |
| 240 | LIN FT | 21543EN | BORE AND JACK CONDUIT |
| 8,050 | LIN FT | 23778EC | WIRE-NO. 10 |
| 4 | EACH | 24589ED | LED LUMINAIRE |
| 26 | EACH | 24751ED | REMOVE STORE & REINSTALL (LED LUMINAIRE) |

THE BID ITEM REMOVE, STORE, AND REINSTALL (LED LUMINAIRE) IS INTENDED FOR THE CONTRACTOR TO UTILIZE THE EXISTING FIXTURES RECENTLY RETROFITTED TO LED LUMINAIRES. THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH. THIS ITEM INCLUDES THE REMOVAL, THE STORING, AND THE REINSTALLING OF THE IDENTIFIED CONVENTIONAL LED LUMINAIRES. ANY ADDITIONAL ACTIVITIES REQUIRED TO ACHIEVE THIS ITEM OF WORK ARE INCIDENTAL TO THIS BID ITEM.

THE INTENT OF BID ITEM MAINTAIN LIGHTING IS TO ENSURE LIGHTING IS PROVIDED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THAT BOTH THE EXISTING LIGHTING INSTALLED DURING THE PREVIOUS CONSTRUCTION PHASE AND THE PROPOSED LIGHTING SHALL BE MAINTAINED DURING CONSTRUCTION. ANY AND ALL ACTIVITIES REQUIRED TO ACHIEVE THIS ITEM OF WORK ARE INCIDENTAL TO THIS BID ITEM.

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 716 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPIRAL REINFORCEMENT SPLICING

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

ADD SENTENCE TO SECTION 834.06: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES: " PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

ADD SENTENCE TO SECTION 834.09: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES: " PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 716 AND 834

SUBSECTION: 716.03.03 TRENCHING
REMOVE SENTENCE UNDER B); NO PAYMENT FOR ADDITIONAL JUNCTION BOXES FOR GREATER DEPTHS WILL BE ALLOWED.

SUBSECTION: 716.03.04 CONDUIT INSTALLATION
REVISION: ADD TO SECOND SENTENCE WITH THE FOLLOWING: BASES WITH BREAKWAY DEVICES INSTALLED.

SUBSECTION: 716.03.04 (K) BORE AND JACK.
REVISION: REPLACE TITLE WITH THE FOLLOWING: BORE AND JACK/OPEN CUT ROADWAY
ADD SENTENCES AFTER LAST SENTENCE: WITH PERMISSION OF THE ENGINEER, ROADWAY MAY BE OPEN CUT IF CONDUIT IS UNDER PAVEMENT. THE CONDUIT IN OPEN CUT CAN BE EITHER 2" RIDID STEEL OR SCHEDULE 80 PVC UNDER ALL PAVEMENTS AREAS. IF IT IS THE LOOP TRANSITION FROM THE SAW SLOT, IT SHALL BE RIGID STEEL.

SUBSECTION: 834.15.03 TRANSFORMER BASES.
REMOVE SENTENCE: CONSTRUCT THE DOOR OF A HIGH DENSITY POLYETHYLENE MATERIAL IN COLOR THAT MATCHES THE BASE.
REVISION: REPLACE THE FOLLOWING SENTENCE WITH THE FOLLOWING:
CONSTRUCT THE DOOR OF AN ALUMINUM MATERIAL IN A COLOR THAT MATCHES THE BASE. THE DOOR SHOULD HAVE A THEFT DETERRENT DEVICE THAT IS EQUAL TO THE LOCKDOWN LIGHTLOCK DOOR ASSEMBLY. THE DOOR LOCK WILL HAVE A LOCKING DEVICE WITH A KYTC CUSTOM KEY THAT WILL BE SEND TO CENTRAL OFFICE TRAFFIC OPERATIONS FROM THE MANUFACTURER AND BE ISSUED TO THE CONTRACTOR FOR THE INSTALLATION OF THE FINAL DOOR DEVICE. THE KEY FOR THE DOOR SHALL BE RETURNED TO CENTRAL OFFICE TRAFFIC OPERATIONS AFTER THE CLOSURE OF THE CONTRACT. THERE SHALL BE A 4" BY 6" ARC FLASH WARNING STICKER INSTALLED CENTER TOP OF EACH DOOR. THE STICKER SHALL BE METALCRAFT PLY695 PREM STYLEMARK LABEL WITH .007 THICKNESS. WITH UV WHITE POLYCARBINATE MATERIAL, AND WITH MC53FL PRESSURE SENSITIVE ADHESIVE. THE STICKER SHALL HAVE TWO COLORS OF BLACK AND CUSTOM COLOR ORANGE. THE WORDING FOR THE ARC FLASH STICKER SHALL BE THE FOLLOWING: "WARNING ARC FLASH HAZARD. APPROPRIATE PPE REQUIRED. FAILURE TO COMPLY CAN RESULT IN DEATH OR INJURY. REFER TO NFPA 70E."

SECTION: 834.15 LIGHTING POLES.

REVISION: ADD THE FOLLOWING TO THE FIRST PARAGRAPH:
THE CABINET WILL WAIVE THE REQUIREMENT STATED IN THE FIRST SENTENCE OF SECTION 5.14.6.2 - REINFORCED HOLES AND CUTOUT FOR HIGH MAST POLES (ONLY).

SECTION: 834.33 WARNING TAPE.

REVISION: REPLACE FIRST SENTENCE WITH THE FOLLOWING:
PROVIDE DETECTABLE TYPE TAPE THAT IS 6 INCHES WIDE AND 7.0 MILS (NOMINAL)THICK.

MEASUREMENT NOTE THAT ARE IN ADDITION TO SECTION 716:

WIRE OR CABLE SHALL INCLUDE INSTALLING SPECIFIED WIRE OR CABLE WITHIN CONDUIT AS INDICATED ON THE PLAN SHEETS. INCIDENTAL TO THIS ITEM SHALL BE THE FURNISHING AND INSTALLING OF SPLICE BOOTS OR ANY OTHER HARDWARE REQUIRED FOR INSTALLING CABLE. THE CONTRACTOR SHALL INSTALL ALL CABLE OR WIRE RUNS SPLICE-FREE FROM THE CONTROLLER TO EACH POLE THE CABLE OR WIRE IS FEEDING. EXCEPTIONS TO THIS MUST BE APPROVED BY THE ENGINEER OR AS SPECIFIED ON THE PLANS. THE CONTRACTOR WILL RECEIVE WIRE IN 1000 FOOT ROLLS FROM OUR WAREHOUSE. IF THE CONTRACTOR SHALL RETURN ALL EXCESS WIRE TO THE TRAFFIC BARN IN DISTRICT 12. IF THE WIRE SUPPLIED DOES NOT EQUAL ENOUGH SUITABLE TO INSTALL ALL RUNS SPLICE FREE, THE CONTRACTOR CAN ASK FOR MORE WIRE TO BE SUPPLIED BY THE DIVISION OF TRAFFIC OPERATIONS. THIS REQUEST SHALL GO THROUGH THE RESIDENT ENGINEER TO CENTRAL OFFICE DIVISION OF TRAFFIC OPERATIONS. EACH RUN OF WIRE FROM POLE TO POLE (UP EACH POLE) SHALL BE THE FOLLOWING COLOR CODED: 2-BLACK (HOT) AND GREEN (GROUND). THIS NOTE ONLY APPLIES TO BID CODES 23675EC AND 24474ED.

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | 133 |

DESIGNED BY:
DATE SUBMITTED:

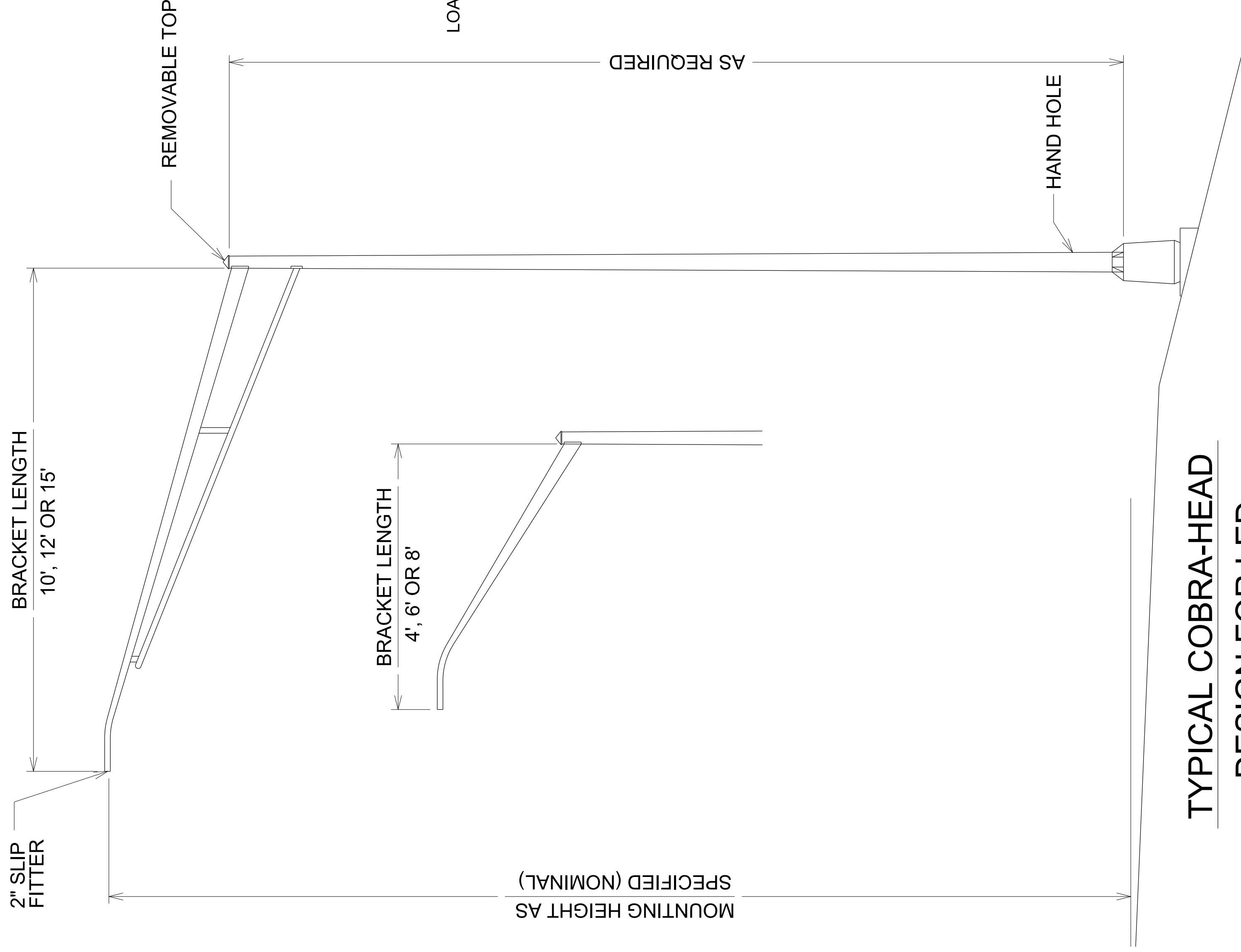
Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF

FAYETTE

PROJECT NUMBERS: FD52 034 0075 III-113
NHP 0754 (067)

ROADWAY LIGHTING ESTIMATES
OF QUANTITIES
I-64/I-75

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T34 |

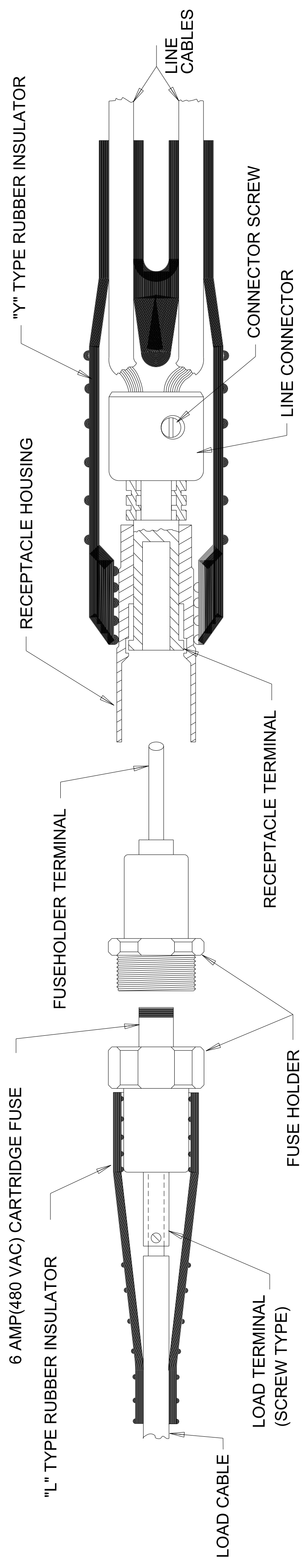


TYPICAL COBRA-HEAD DESIGN FOR LED LUMINAIRES

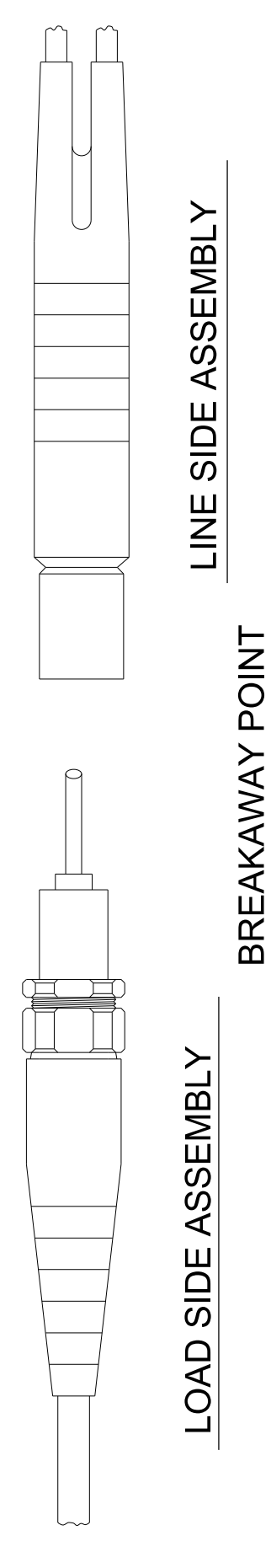
SPECIAL NOTE:
ALL LUMINAIRES SHALL HAVE THE NEMA LABEL
INSTALL ON THE BOTTOM OF THE FIXTURE TO
VERIFY THE WATTAGE.

4-24-2017

BREAKAWAY FUSE CONNECTOR KIT

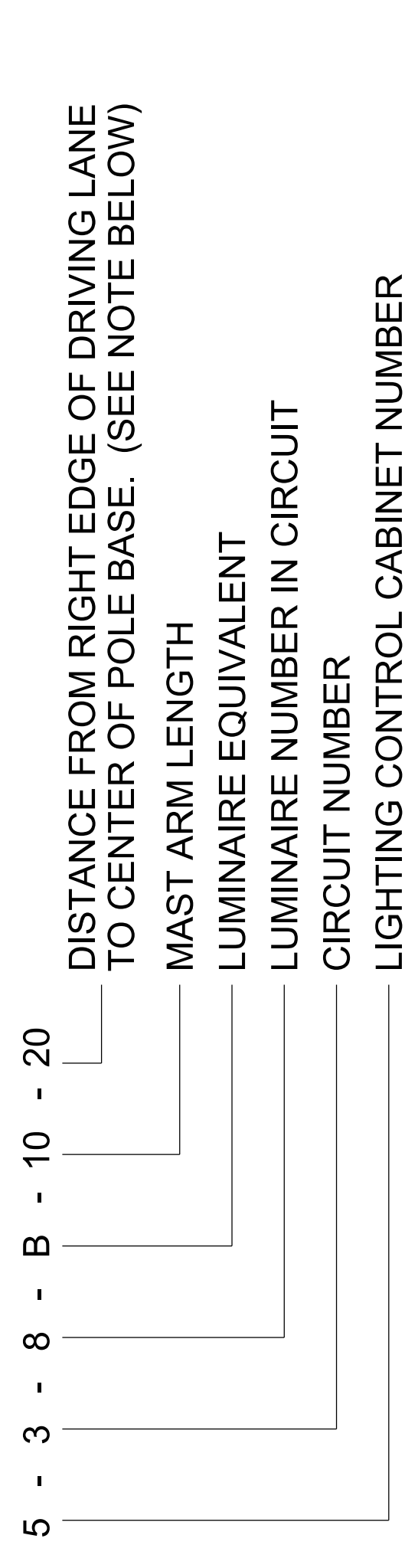


DETAILS OF TYPE HEB-JW-RYC CONNECTOR



TYPE HEB-JW-RYC CONNECTOR SHOWN

LUMINAIRE DESIGNATION EXAMPLE

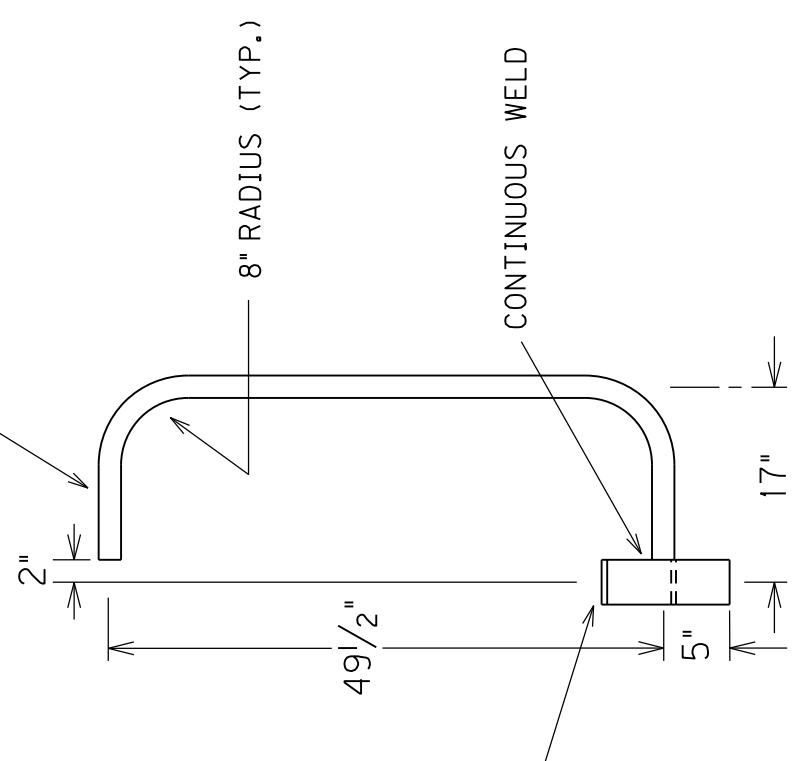


NOTE: IF NO SETBACK DIMENSION IS INDICATED, THE MAST ARM LENGTH DENOTES THE DISTANCE FROM THE RIGHT EDGE OF PAVEMENT TO CENTER OF POLE BASE.

NOTE:
ALL TYPE B LUMINAIRES SHALL BE NO MORE THAN 122 WATTS, IES TYPE II, AND GROUND MOUNTED AT 40' (NOMINAL).
ALL TYPE C LUMINAIRES SHALL BE NO MORE THAN 333 WATTS, IES TYPE V, AND MOUNTED TO MEDIAN BARRIER WALL AT 30' (NOMINAL).
ALL TYPE D LUMINAIRES SHALL BE NO MORE THAN 181 WATTS, IES TYPE II, AND GROUND MOUNTED AT 40' (NOMINAL).

COBRA-HEAD LUMINAIRE/FUSE
CONNECTOR DETAILS

2" SCH. 40 PIPE TO ASTM A-513,
MIN YIELD STRENGTH 36,000 PSI

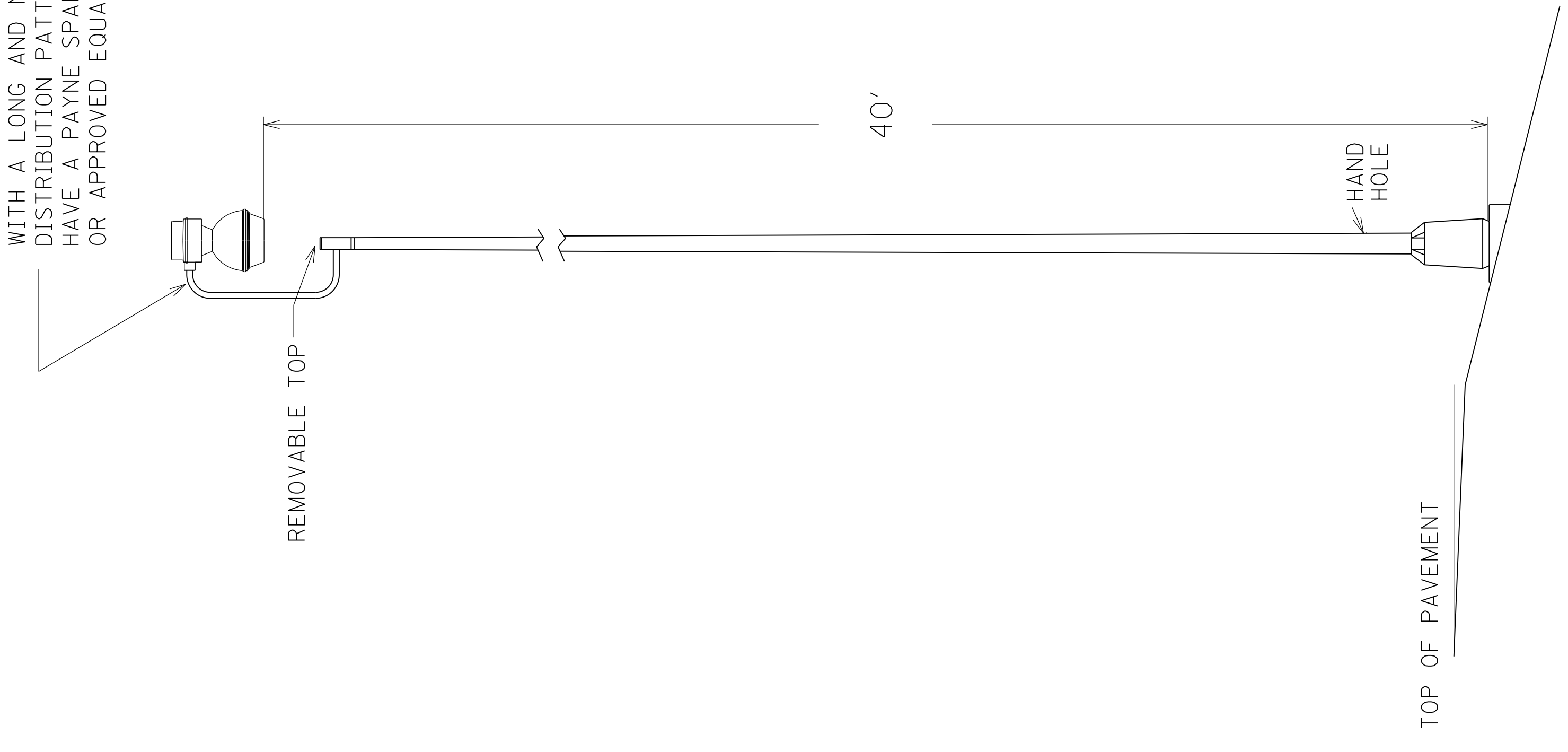


FINISH: GALVANIZE TO ASTM A-123

NOTE:

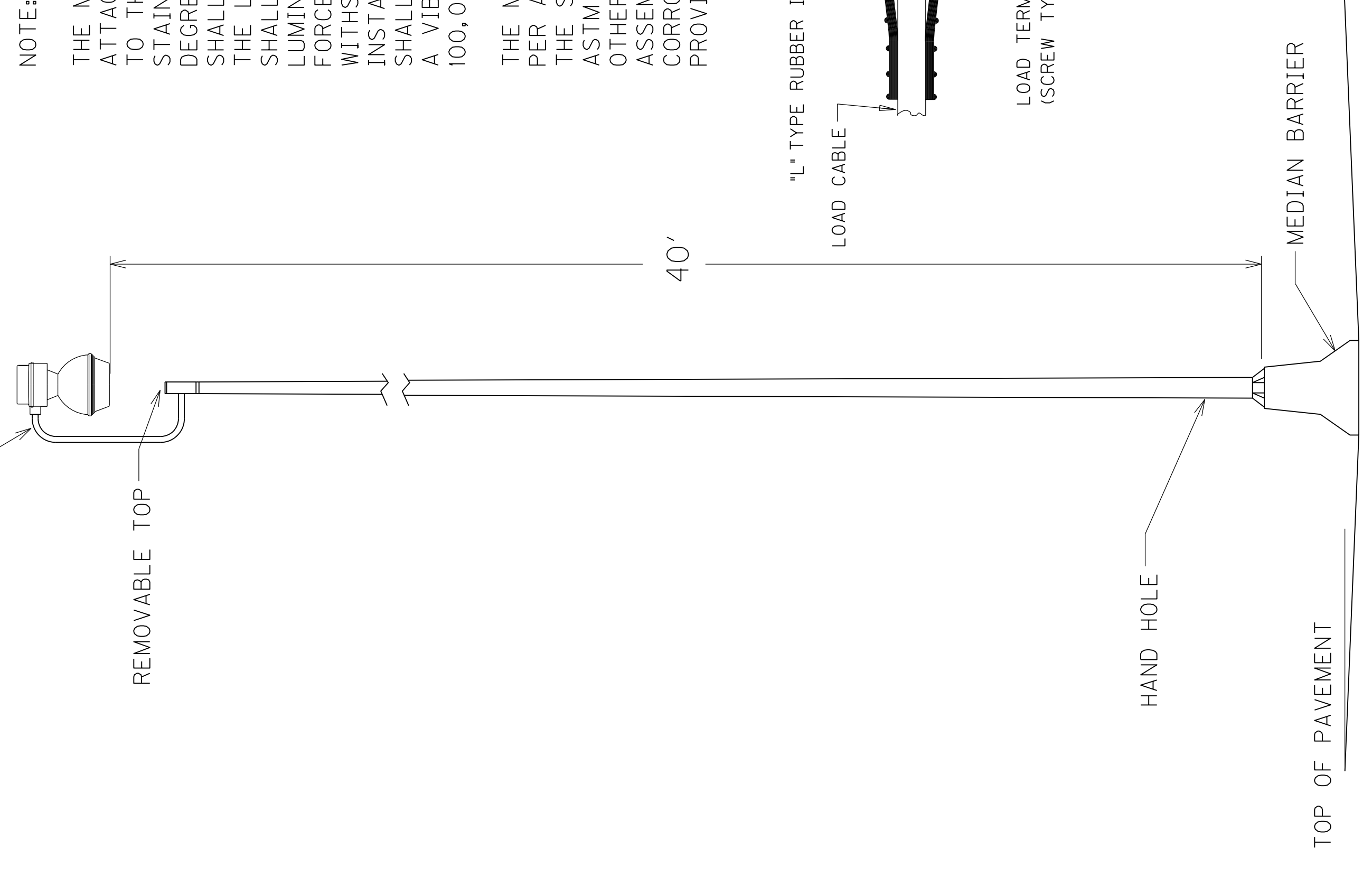
THE MOUNTING BRACKET FOR THE LUMINAIRE SHALL BE ATTACHED TO THE TOP OF THE POLE BY SLIPFITTING ON TO THE POLE TENON AND SECURING WITH THREE (3) 3/8-16 STAINLESS STEEL CUP POINT SET SCREWS LOCATED AT 120 DEGREE INTERVALS AROUND THE SLIPFITTER. THE BRACKET SHALL PROVIDE A MOUNTING ARRANGEMENT THAT POSITIONS THE LUMINAIRE OVER THE CENTER OF THE POLE. THE BRACKET SHALL BE DESIGNED FOR OPERATION WITH THE SPECIFIED LUMINAIRE AND BE CAPABLE OF WITHSTANDING THE SAME WIND FORCES AS THE POLE. THE BRACKET SHALL BE ABLE TO WITHSTAND THE VIBRATIONS ASSOCIATED WITH THIS TYPE OF INSTALLATION WITH THE LUMINAIRE INSTALLED; THE MANUFACTURER SHALL PROVIDE DOCUMENTATION THAT THE BRACKET HAS PASSED A VIBRATION TEST TO A MINIMUM OF 1.2 G'S FOR A MINIMUM OF 100,000 CYCLES.

400 W HPS HIGH MAST LUMINAIRE WITH A LONG AND NARROW LIGHT DISTRIBUTION PATTERN. IT SHALL HAVE A PAYNE SPARKMAN STARTER OR APPROVED EQUAL



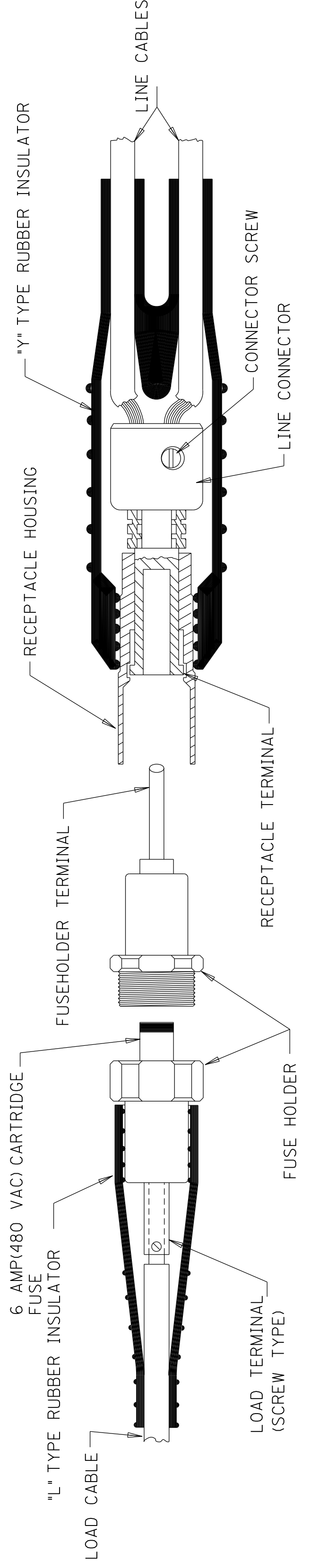
TYPICAL SHEPHERD'S CROOK DESIGN FOR HIGH PRESSURE SODIUM LUMINAIRES ON TRANSFORMER BASE

400 W HPS HIGH MAST LUMINAIRE WITH A LONG AND NARROW LIGHT DISTRIBUTION PATTERN. IT SHALL HAVE A PAYNE SPARKMAN STARTER OR APPROVED EQUAL

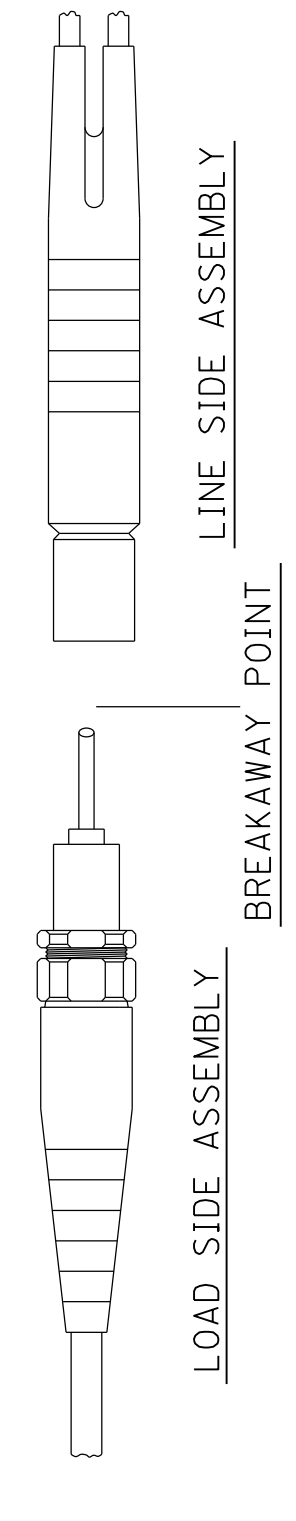


TYPICAL SHEPHERD'S CROOK DESIGN FOR HIGH PRESSURE SODIUM LUMINAIRES FOR BARRIER WALLS

THE MOUNTING BRACKET SHALL BE FABRICATED OF 2" SCHEDULE 40 PIPE PER ASTM A-513 WITH A MINIMUM YIELD STRENGTH OF 36,000 PSI. THE SLIPFITTER SHALL BE FABRICATED OF 2.5" SCHEDULE 40 PIPE PER ASTM A-105 WITH A MINIMUM YIELD STRENGTH OF 36,000 PSI OR OTHER SIMILAR SIZE TO FIT THE POLE TOP TENON. THE ENTIRE ASSEMBLY SHALL BE HOT DIP GALVANIZED PER ASTM A-123 FOR CORROSION PROTECTION. A POLYETHYLENE CAP SHALL BE PROVIDED FOR THE TOP OF THE SLIPFITTER.



DETAILS OF TYPE HEB-JW-RYC CONNECTOR

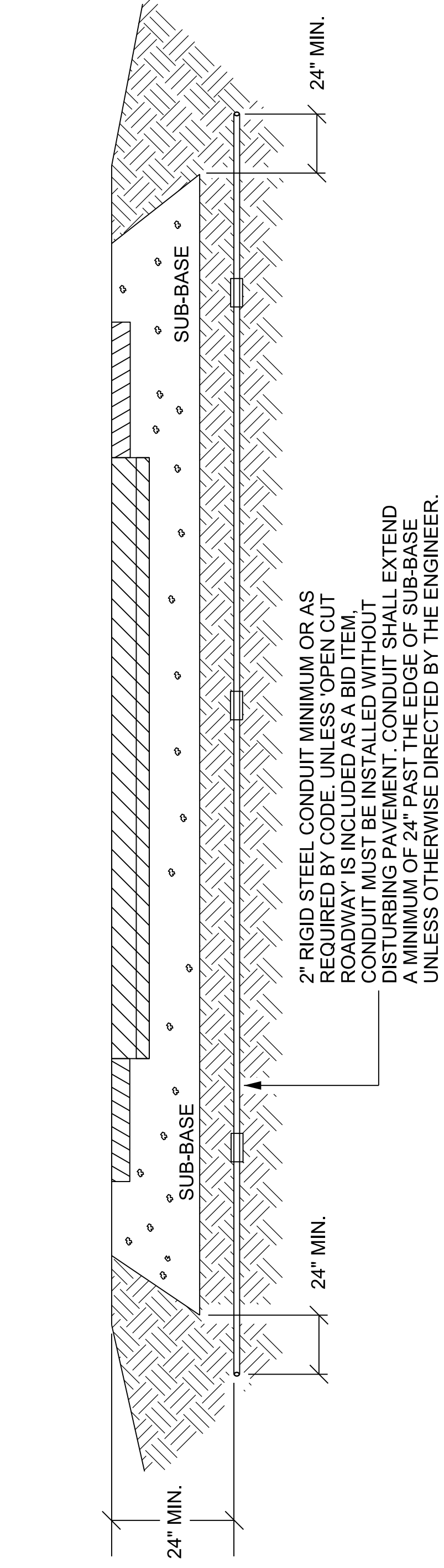
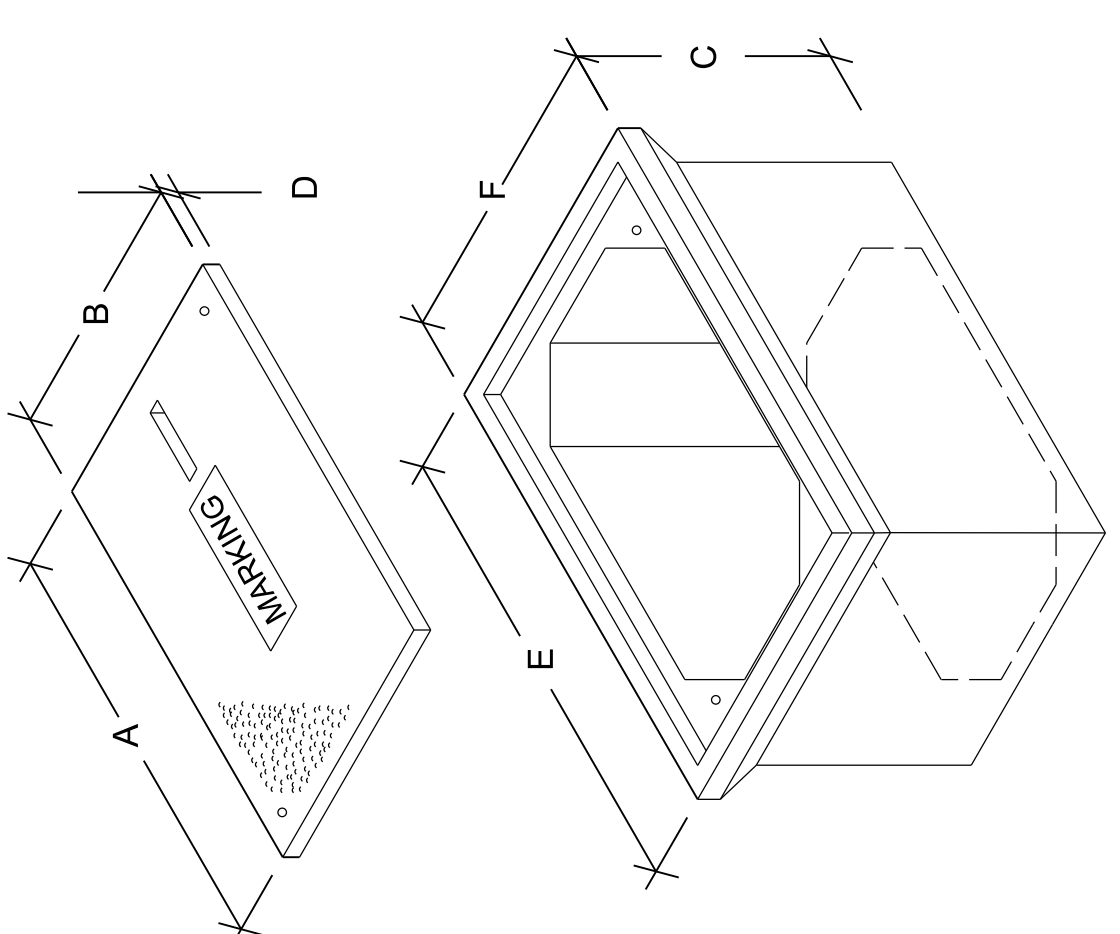


TYPE HEB-JW-RYC CONNECTOR SHOWN

JUNCTION BOX DIMENSIONS (NOMINAL)

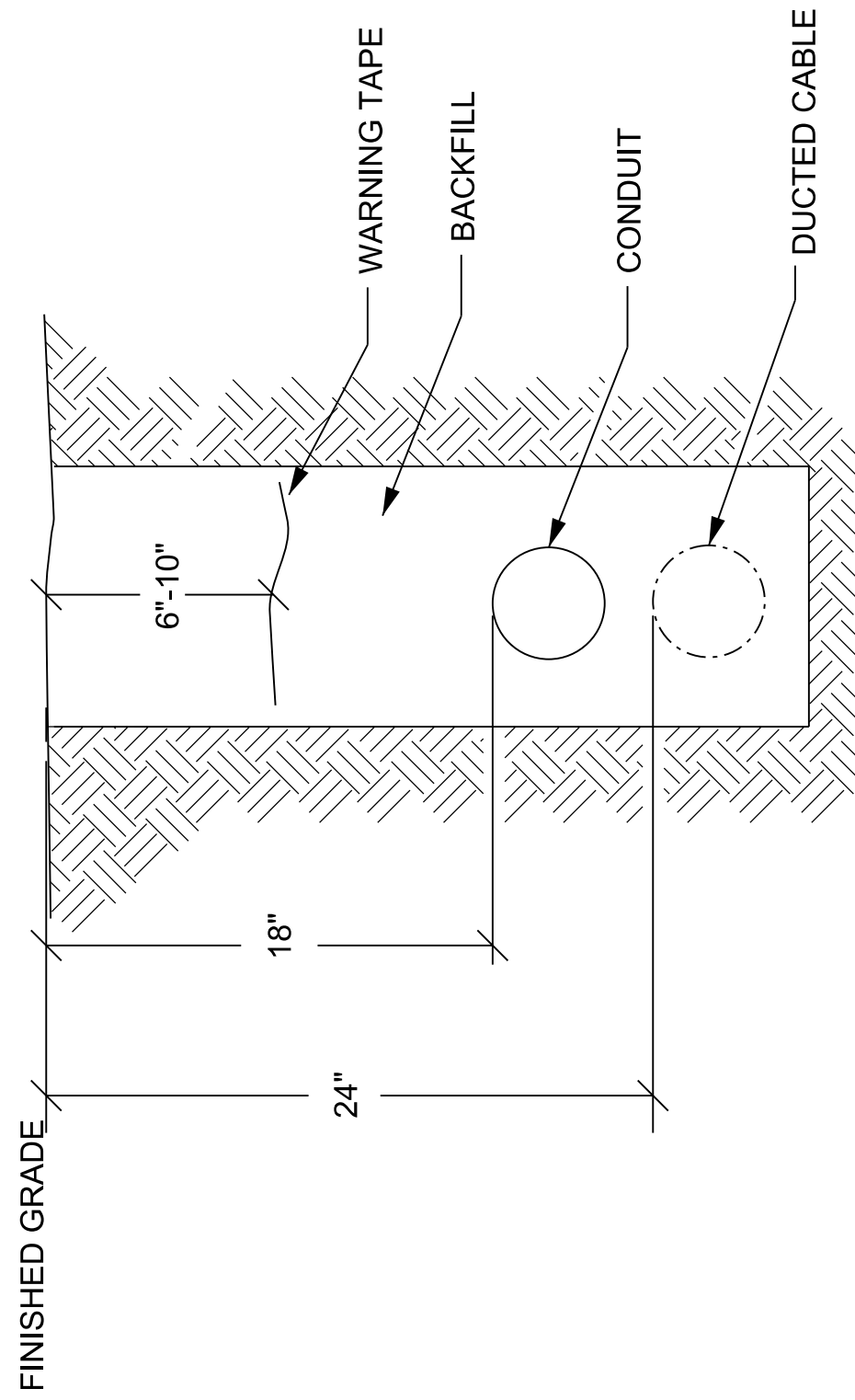
| | A | B | C | D | E | F |
|--------|-----|-----|-----|--------|-----|-----|
| TYPE A | 23" | 14" | 27" | 2" | 25" | 15" |
| TYPE B | 18" | 11" | 12" | 1 1/4" | 20" | 13" |
| TYPE C | 36" | 24" | 30" | 3" | 38" | 26" |

* MINIMUM
NOTE: STACKABLE
BOXES ARE PERMITTED



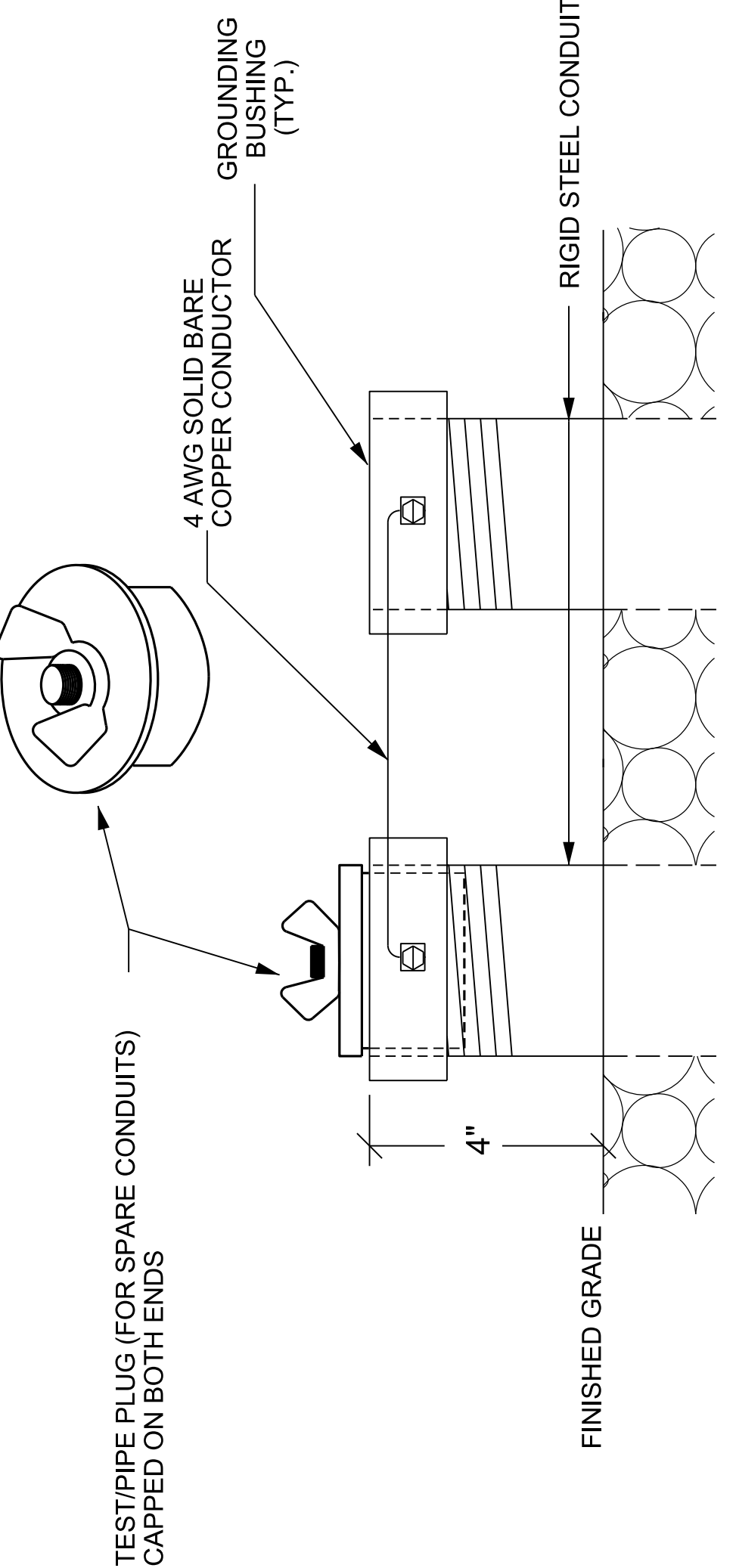
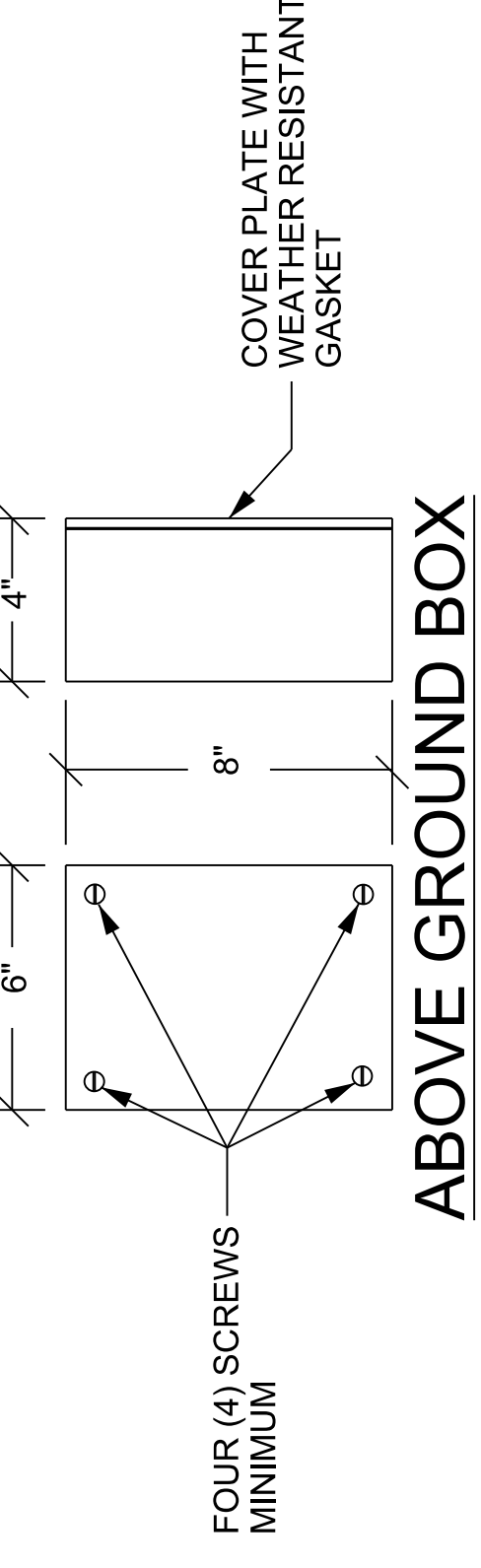
CONDUIT INSTALLATION UNDER EXISTING PAVEMENT DETAIL

DEPTHS SHOWN FOR CONDUIT AND DUCTED CABLE ARE MINIMUMS. CONTRACTOR SHALL PLACE AND COMPACT BACKFILL IN 9" MAXIMUM LIFTS AND RETORE DISTURBED AREA TO THE SATISFACTION OF THE ENGINEER.

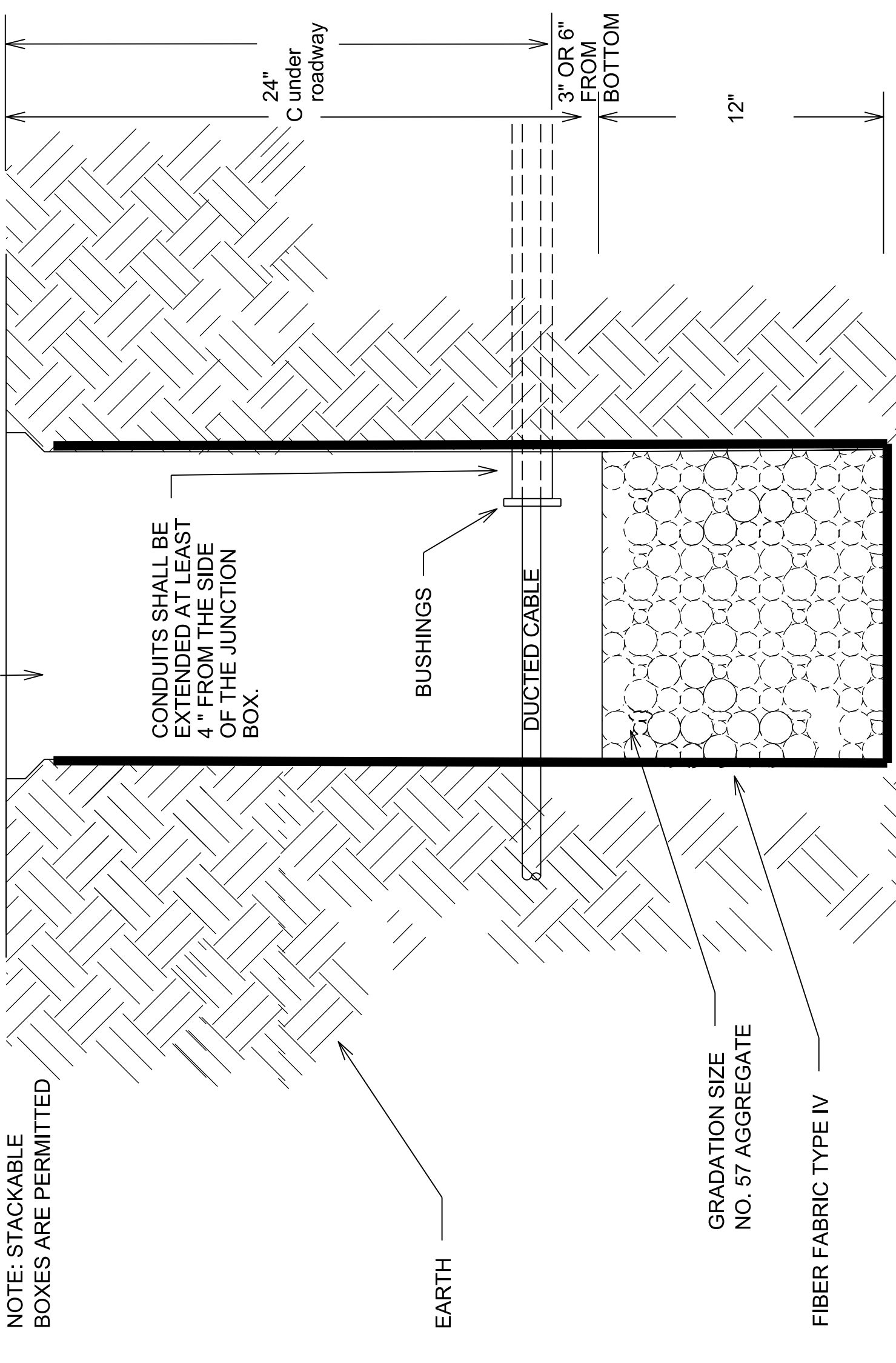


CONDUIT, DUCTED CABLE, AND WARNING TAPE TRENCH

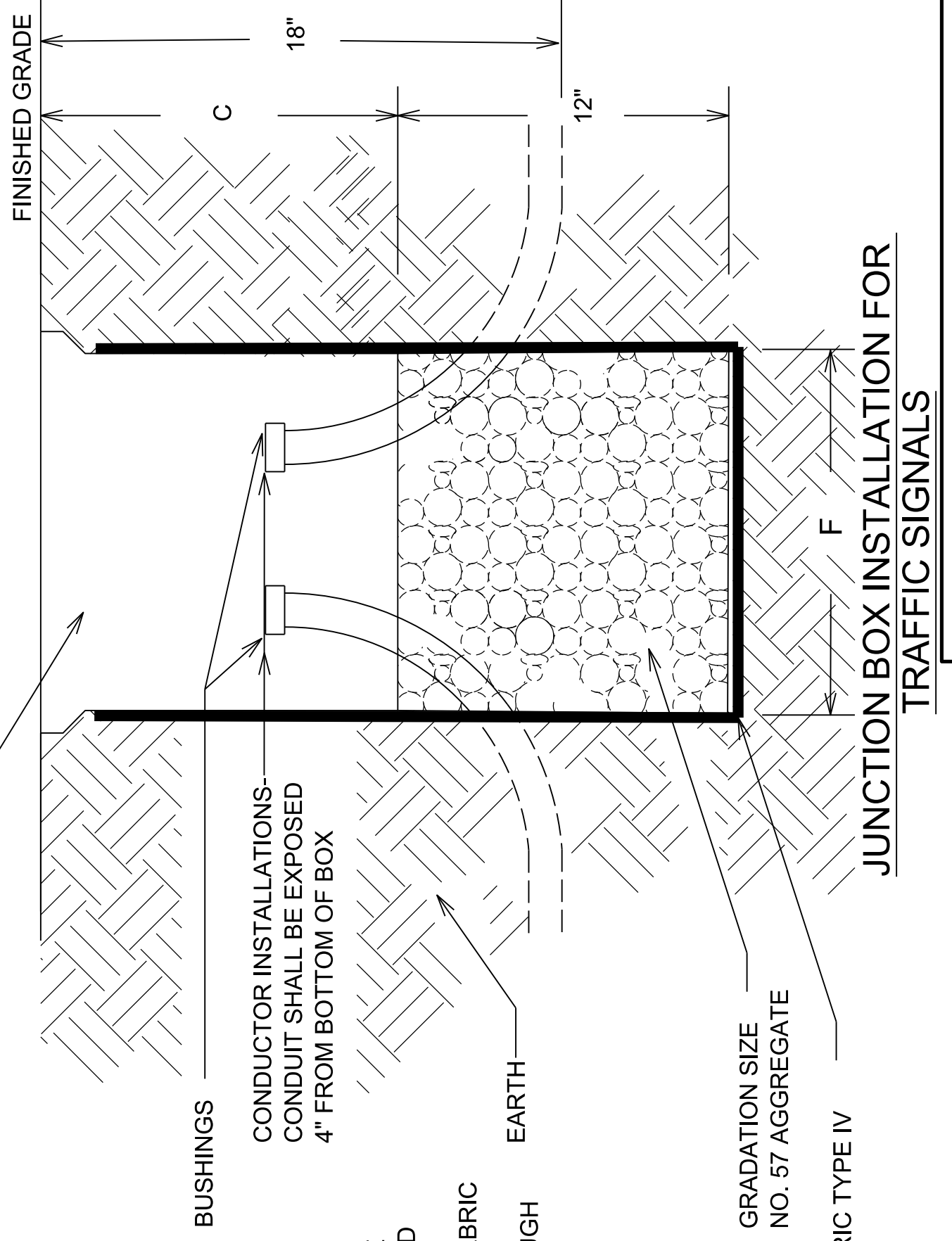
ABOVE GROUND BOX SHALL BE FABRICATED FROM MINIMUM 12 GAUGE STEEL AND GALVANIZED AFTER FABRICATION. BOXES SHALL HAVE NO KNOCKOUTS AND SHALL BE PROVIDED WITH A PLATE COVER WITH A WEATHER RESISTANT GASKET AND A MINIMUM OF FOUR SCREWS FOR ATTACHING THE PLATE COVER TO THE BOX. CABLE CLAMPS SHALL BE PROVIDED FOR CABLES ENTERING AND EXITING THE BOX.



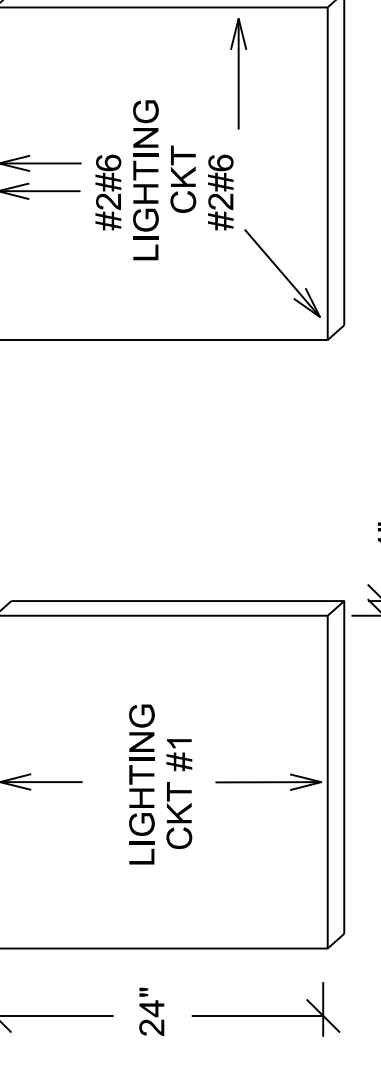
TEST/PIPE PLUG(FOR SPARE CONDUITS) AND GROUNDING DETAIL



JUNCTION BOX INSTALLATION FOR HIGHMAST LIGHTING



BEFORE THE INSTALLATION OF THE #57 AGGREGATE AND JUNCTION BOX, THE CONTRACTOR SHALL INSTALL GEOTEXTILE FILTER FABRIC TYPE IV IN THE HOLE. THE FABRIC SHALL EXTEND TO JUST BELOW THE LIP OF THE JUNCTION BOX AND SHALL BE CONTINUOUSLY ADHERED TO THE EXTERIOR OF THE BOX WITH ADHESIVE. ANY LOCATIONS WHERE CONDUITS ENTER THE BOX, THE FABRIC SHALL BE "X CUT" ONLY AS MUCH AS NECESSARY TO ALLOW PASSAGE OF EACH INDIVIDUAL CONDUIT THROUGH THE FABRIC. THE FABRIC SHALL BE INCIDENTAL TO BID ITEMS 4811, 20391NS835, OR 20392NS835.



JUNCTION BOX INSTALLATION FOR CONVENTIONAL LIGHTING

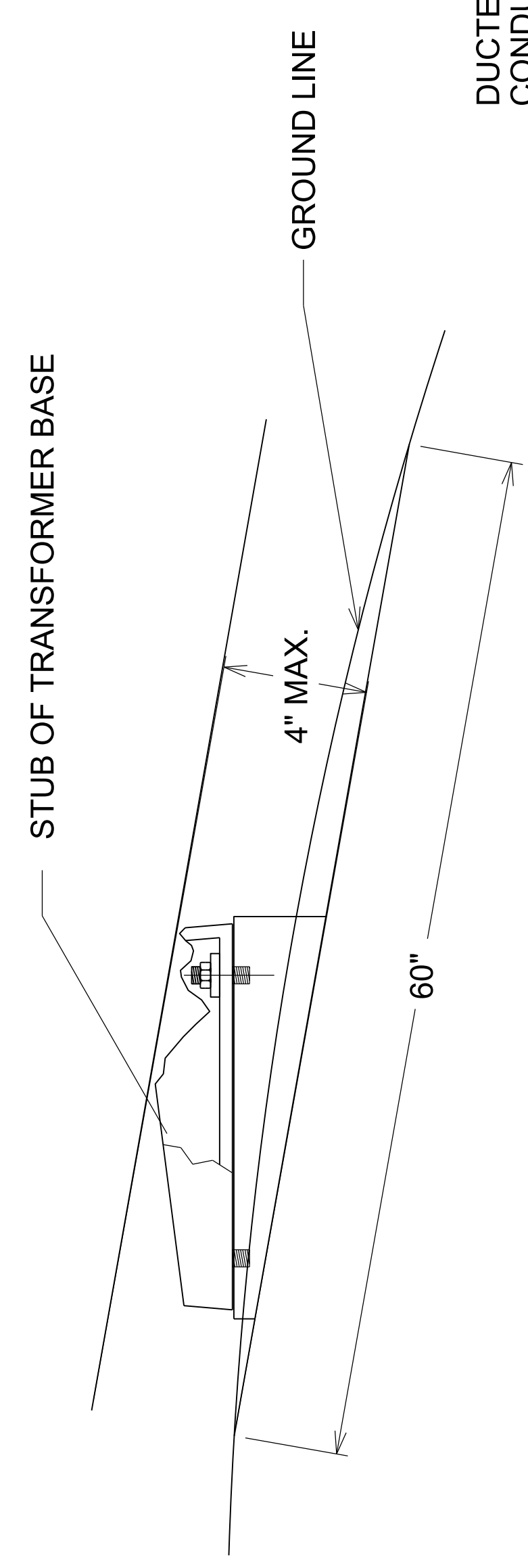
CONCRETE CABLE MARKERS

TEST/PIPE PLUG(FOR SPARE CONDUITS) AND GROUNDING DETAIL

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T37 |

3/4" SCHEDULE 80 PVC CONDUIT (WITH BUSHING) FOR GROUND WIRE (EACH BASE) AND SHALL BE A MIN OF 24" FROM THE EDGE OF THE POLE BASE.

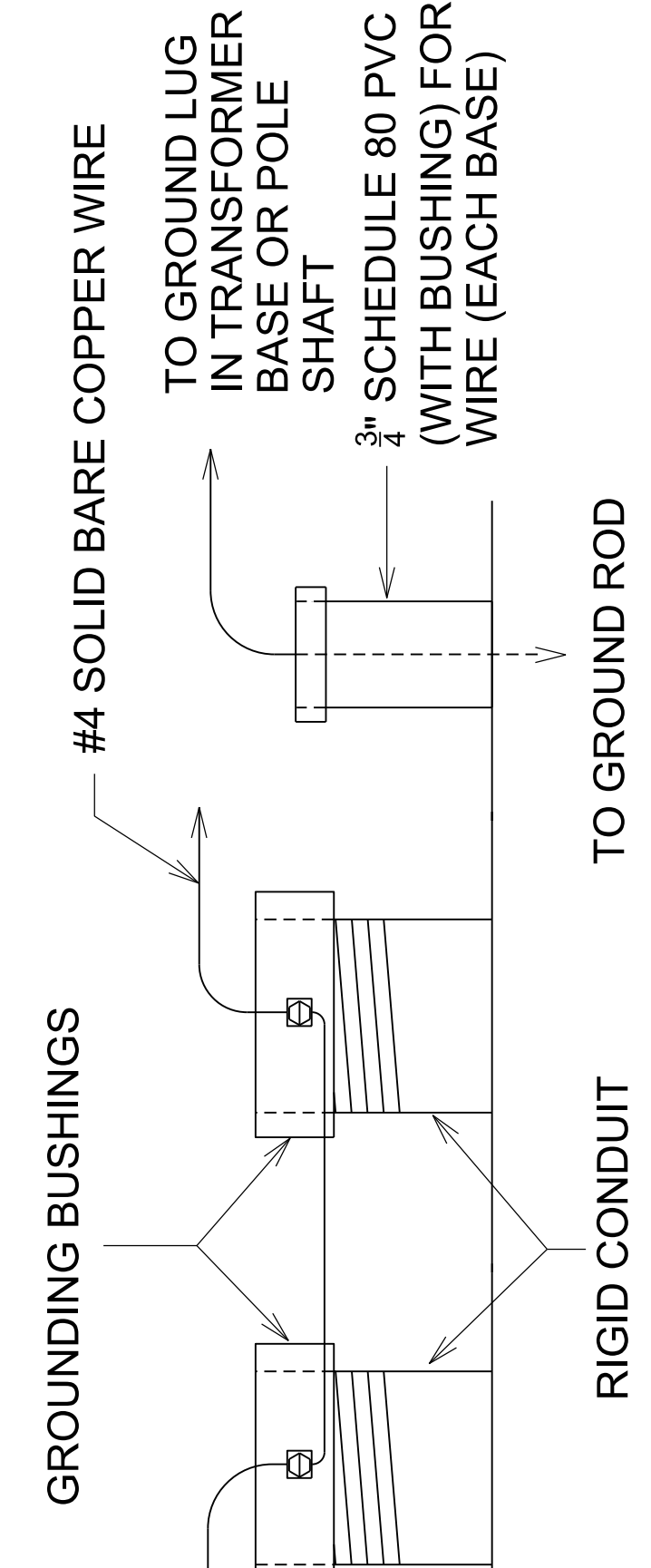
DUCTED CABLE INSTALLED THROUGH 3" CONDUIT CROSSINGS TO LUMINAIRE POLE BASE: INSTALL DUCTED CABLE INTO THE POLE BASE. THE DUCT SHOULD BE EXTENDED 1" ABOVE THE CONDUIT. THE CONDUIT SWEEP SHOULD BE INSTALL ACCORDING TO THE MANUFACTURER OF THE DUCTED CABLE TO PREVENT THE DUCTED CABLE FROM CRIMPING.



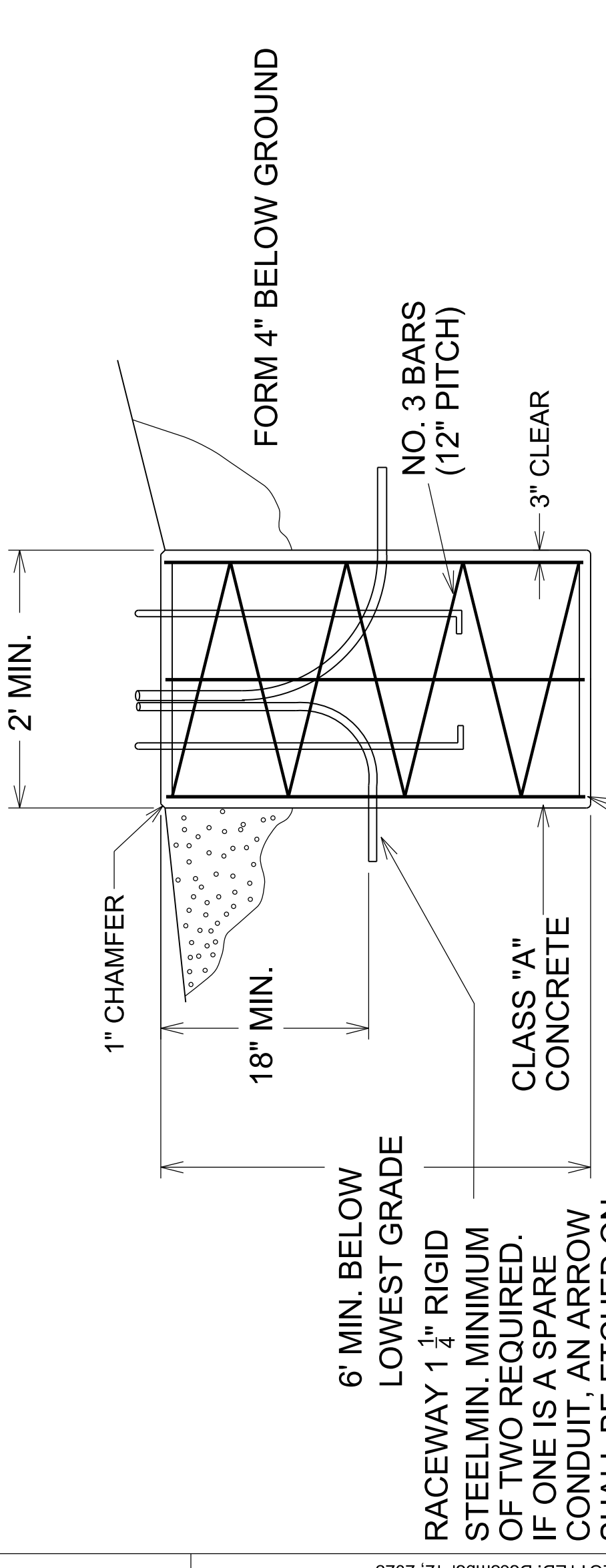
THE ANCHOR BOLTS AND CONDUITS SHALL NOT BE PROJECTED MORE 4 INCHES ABOVE A GROUND LINE BETWEEN THE STRADDLING WHEELS OF A VEHICLE.

BREAKAWAY SUPPORT STUB HEIGHT MEASUREMENT

IF DUCTED CABLE INSTALLED BETWEEN POLE BASES:
 INSTALL RIGID STEEL/DUCTED CABLE COUPLING. USE BONDUIT CONDUIT ADHESIVE OR APPROVED EQUAL TO CONNECT THE RIGID STEEL TO DUCTED CABLE. RACEWAYS SHALL BE THE SAME SIZE AS THE DUCTED CABLE WHICH ATTACHES TO THE RIGID STEEL CONDUIT. ALTERNATELY IF DUCTED CABLE IS USED, THE CONTRACTOR CAN INSTALL RIGID STEEL CONDUIT TWO TIMES THE SIZE OF THE DUCT AND RUN THE DUCT INSIDE THIS CONDUIT. THE SWEEP FOR THE CONDUIT SHALL BE INCREASED TO ADHERE TO THE BENDING RADIUS RECOMMENDED BY THE MANUFACTURER OF THE DUCT.

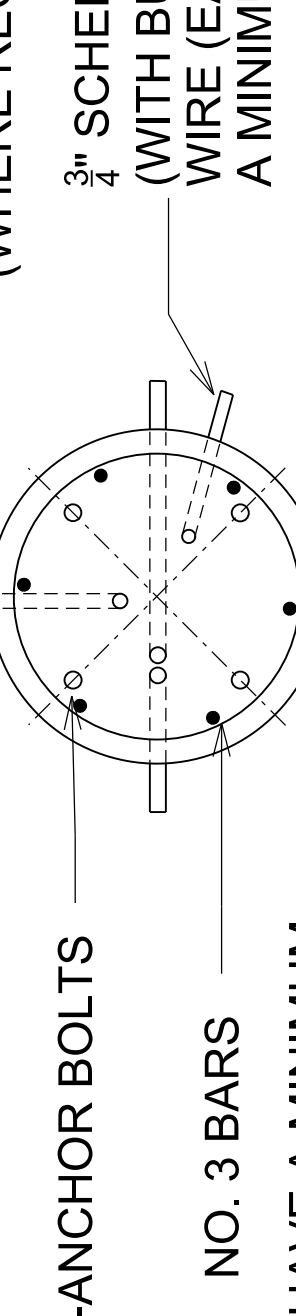


TYPICAL GROUNDING DETAIL



6' MIN. BELOW LOWEST GRADE
 RACEWAY 1 1/4" RIGID STEEL MIN. MINIMUM OF TWO REQUIRED. IF ONE IS A SPARE CONDUIT, AN ARROW SHALL BE ETCHED ON THE TOP OF THE BASE TO SHOW THE LOCATION /DIRECTION OF THE SPARE CONDUIT.

2" RIGID STEEL CONDUIT FOR SERVICE (WHERE REQUIRED)



ALL POLE BASES SHALL HAVE A MINIMUM OF TWO CONDUITS (NOT INCLUDING GROUND CONDUIT). THE SPARE CONDUIT SHALL BE 180 DEGREE FROM THE CONDUIT FOR THE CONDUCTORS.

NOTE: PRECAST CONCRETE BASES ARE NOT ACCEPTABLE

FOUNDATION DETAIL

1/30/2020

GROUNDING REQUIREMENTS:

CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 INCHES OF GROUND WIRE FOR TESTING PRIOR TO CONNECTING THE WIRE TO TRANSFORMER BASE.

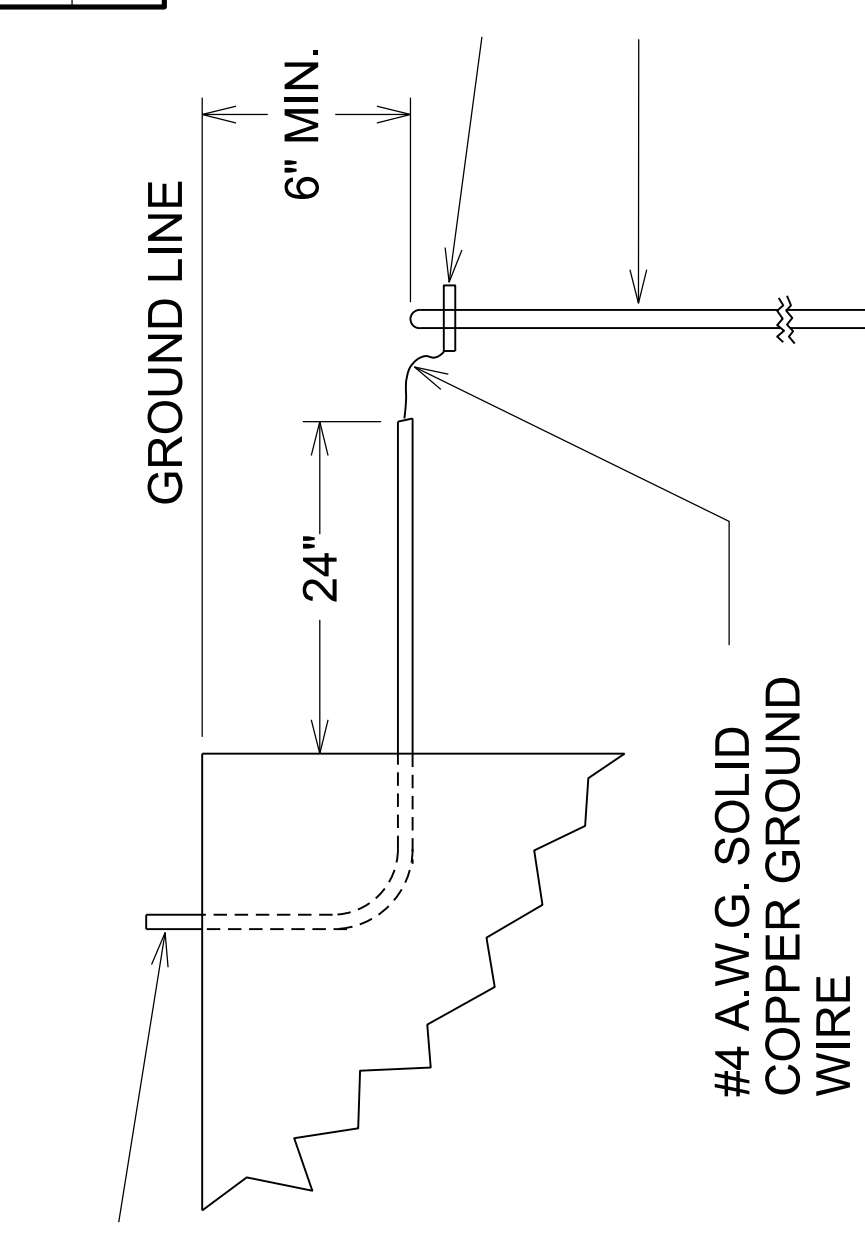
POLE/TRANSFORMER BASE GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE TRANSFORMER BASE/POLE AND THEN TO EACH RIGID STEEL GROUNDING BUSHING.

NOTES:

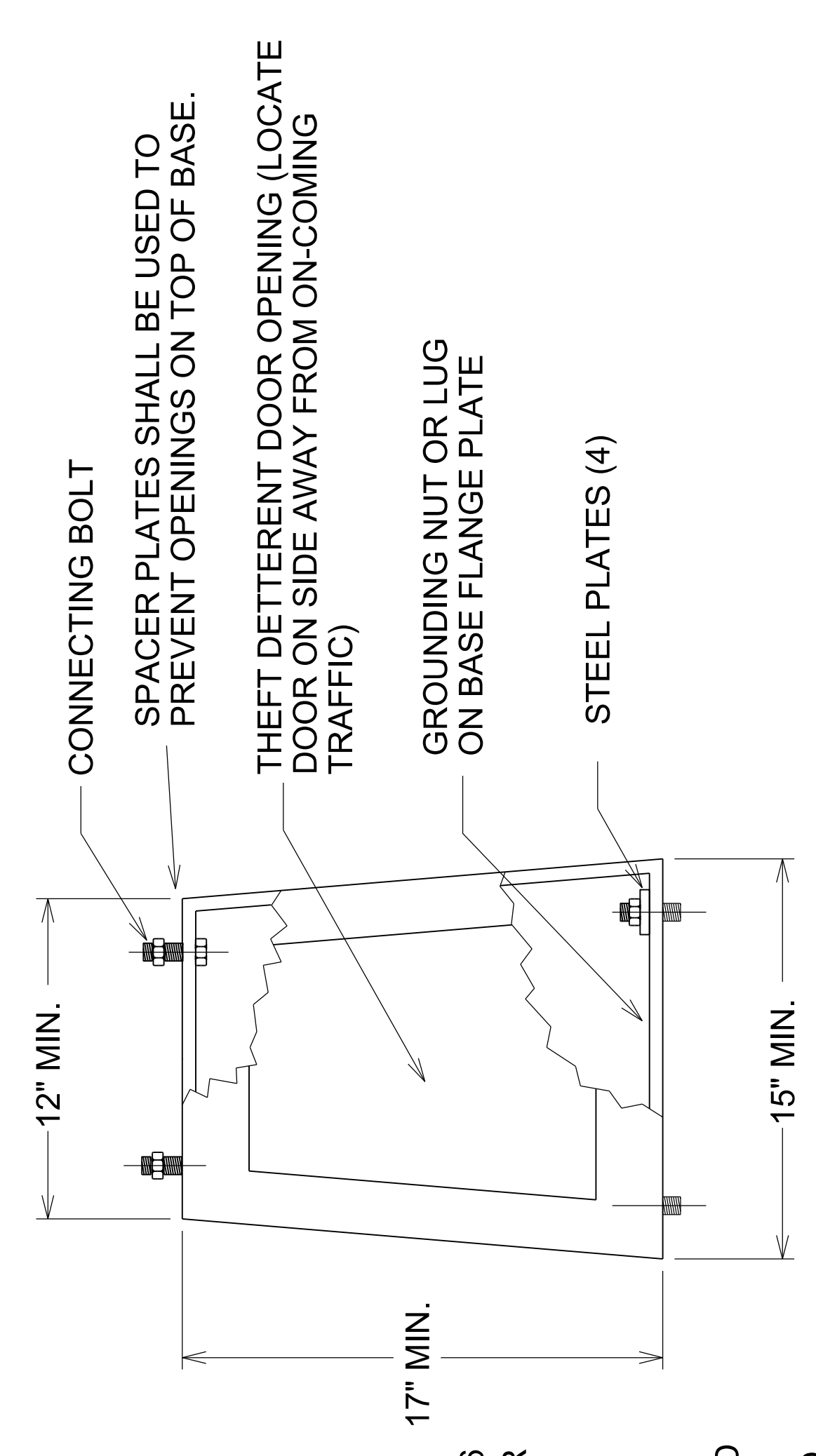
ALL CONDUITS USED FOR THE GROUNDING, SPARES AND CONDUCTORS THAT ARE INSTALLED IN THE POLE BASE ARE INCIDENTAL TO BID ITEM "4740". THIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT PAST THE EDGE OF THE POLE BASE.

3/4" SCHEDULE 80 PVC CONDUIT (WITH BUSHING) FOR GROUND WIRE (EACH BASE) AND SHALL BE A MIN OF 24" FROM THE EDGE OF THE POLE BASE.

BRONZE GROUND CLAMP
 5/8" X 8' COPPERWELD
 GROUND ROD AND SHALL BE A MINIMUM OF 48" FROM THE EDGE OF POLE BASE.



GROUNDING DETAIL



CONCRETE BASES SHALL BE POURED LEVEL. NO MORE THAN A .375" GAP SHALL EXIST BETWEEN CONCRETE BASE AND TRANSFORMER BASE WHEN THE POLE IS PLUMBED.

TYPICAL

CAST ALUMINUM TRANSFORMER BASE

SPECIAL NOTE FOR TRANSFORMER BASES: FURNISH AN ARC FLASH AND SHOCK HAZARD WARNING STICKER ON TRANSFORMER BASE WITH THE FOLLOWING INFORMATION:
 VOLTAGE (480 VOLT)
 GLOVE CLASS (0)
 LIMITED APPROACH BOUNDARY (42 IN)
 RESTRICTED APPROACH BOUNDARY (12 IN)
 MINIMUM CLOTHING ARC RATING (CAT 2)
 SEE NFPA 70E FOR ADDITIONAL PPE REQUIRED

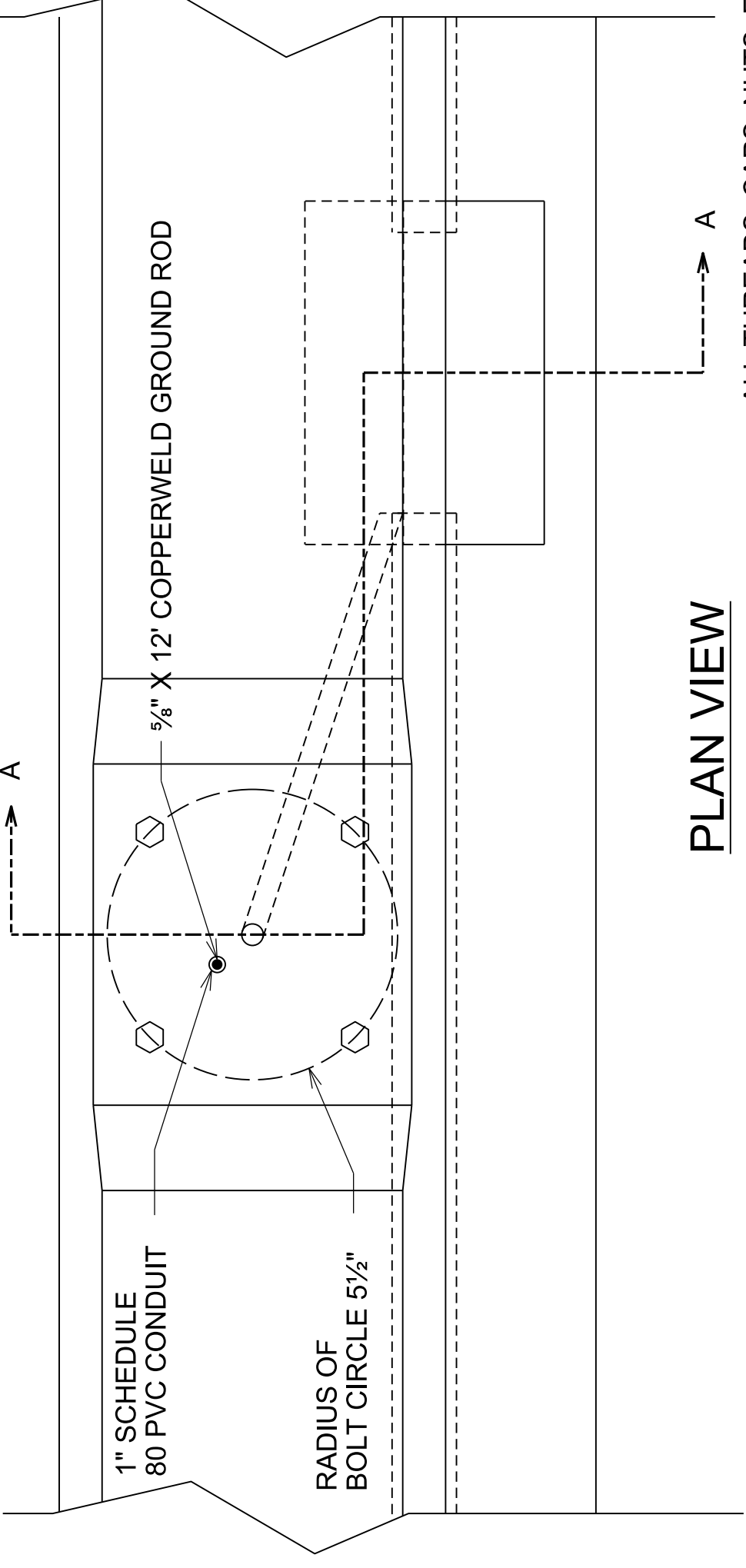
NOTE: THE TRANSFORMER BASE DOOR SHALL HAVE A 4" BY 6" ARC FLASH WARNING STICKER. INSTALL 3" FROM THE TOP OF THE DOOR. THE STICKER SHALL BE METALCRAFT PLY695 PREM STYLE/ MARK LABEL WITH .007 THICKNESS, WITH UV WHITE POLYCARBONATE MATERIAL, AND WITH MC53FL PRESSURE SENSITIVE ADHESIVE OR APPROVAL EQUAL. THIS SHALL BE INCIDENTAL TO PROJECT.

TRANSFORMER BASE DETAIL

SCALE: 1"=

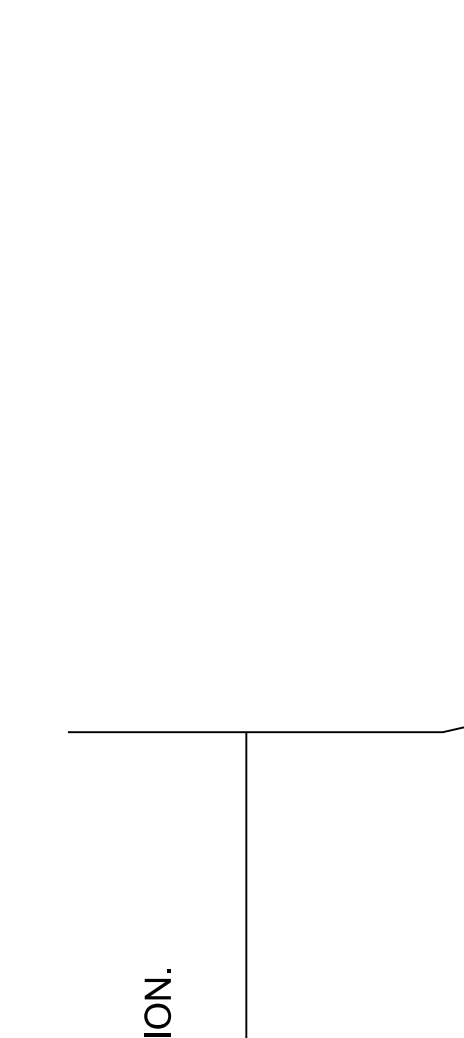
CONCRETE MEDIAN BARRIER WITH LIGHT STANDARDS

NOTES:
 AT THE LOCATIONS WHERE POLES ARE TO BE INSTALLED ON MEDIAN BARRIER THE CONTRACTOR SHALL INSTALL THEM AS INDICATED BY THIS SHEET. ALL MATERIALS, LABOR AND INCIDENTALS, WITH THE EXCEPTION OF THE 3" RACEWAY, SHALL BE INCIDENTAL TO THE BID ITEM "POLE BASE IN MEDIAN WALL".
 THE CONTRACTOR SHALL BLOW AN APPROPRIATELY SIZED MOUSE THROUGH ALL CONDUITS WITH A PULL STRING ATTACHED TO VERIFY THAT ALL CONDUITS ARE CLEAR OF ANY OBSTRUCTIONS. CONTRACTOR SHALL TIE OFF STRING AT EACH CONDUIT END. ALL CONDUITS SHALL HAVE PIPE/TEST PLUGS INSTALLED IF THE CONDUIT IS NOT IN USE OR ARE SPARES.



PLAN VIEW

ALL THREADS, CAPS, NUTS, ETC. SHALL BE WRAPPED PRIOR TO ANY APPLICATION OF WALL FINISHING COMPOUNDS. THE WRAPPING SHALL BE REMOVED AFTER THE WALL IS FINISHED AND PRIOR TO THE ELECTRICAL INSPECTION.

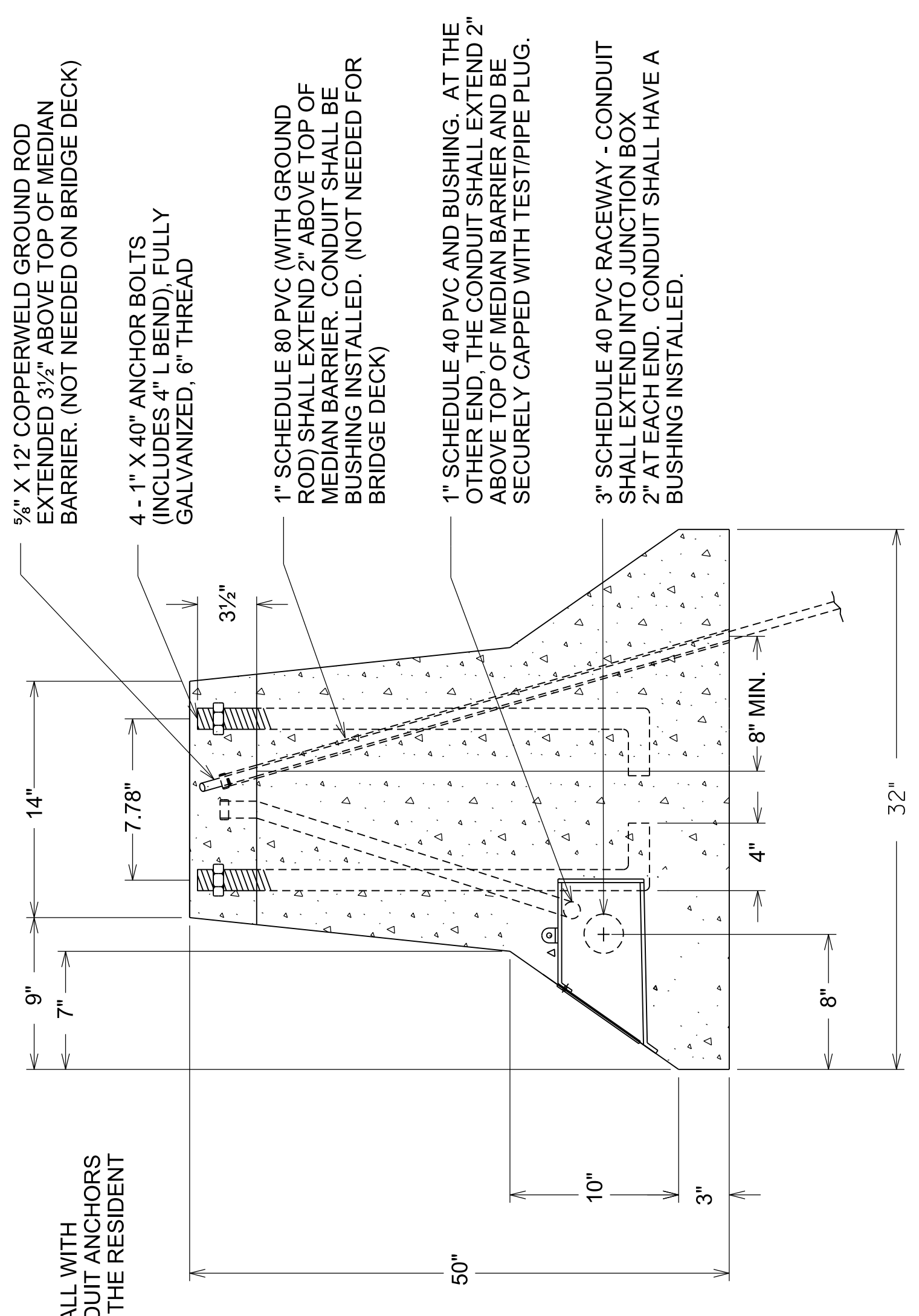


COVER PLATE FOR TOP OF POLE BASE (IF NEEDED)

.06 INCH ALUMINUM SHEET METAL TO BE USED FOR COVER PLATE.

ATTACH PLATE TO WALL WITH FOUR (4) 2 INCH CONDUIT ANCHORS TO BE APPROVED BY THE RESIDENT ENGINEER.

TAPER OF PLATE TO MATCH TAPER OF BARRIER WALL



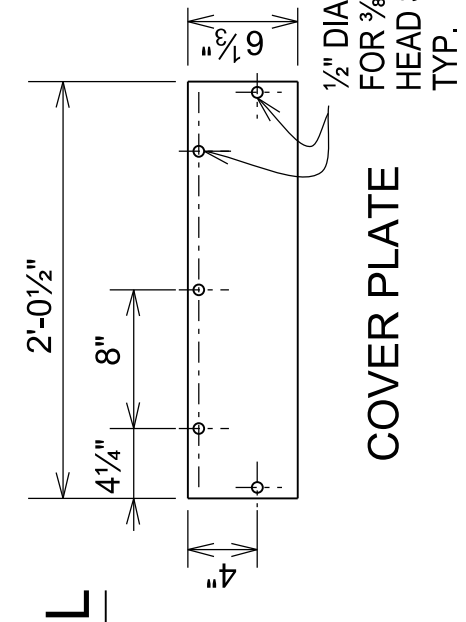
SECTION A-A

MOUNT BOX SO COVER IS FLUSH WITH BARRIER FACE. BOX BOTTOM WILL SLOPE APPROXIMATELY 1/2" / FOOT TO DRAIN WHEN PROPERLY INSTALLED.

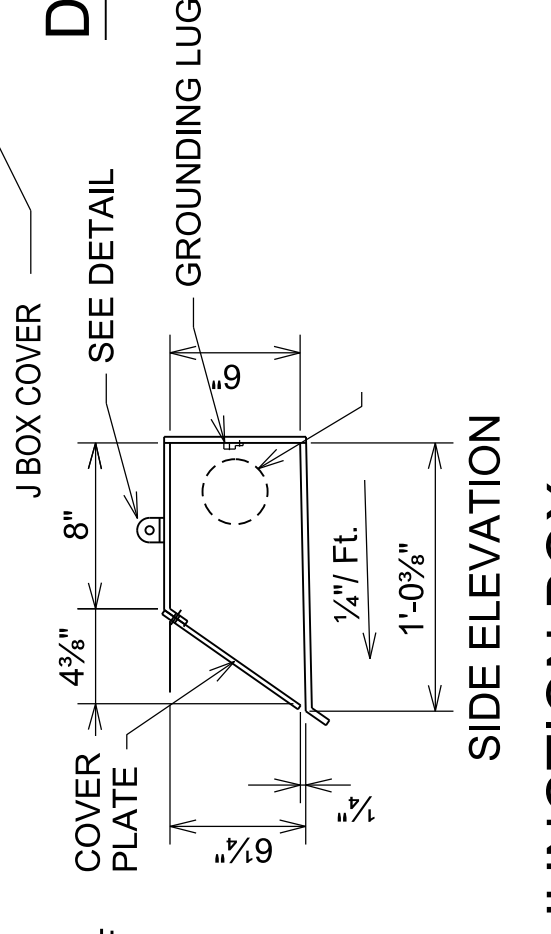
3/8" - UNC x 1" STAINLESS STEEL HEX HEAD BOLT (TYP.) 5 BOLTS REQUIRED FOR COVER AND 5 ADDITIONAL SPARE BOLTS ARE TO BE DUCT-TAPED TO THE INSIDE BACK OF THE J. BOX PRIOR TO FINAL INSPECTION.

1/4" THICK x 1" WIDE CLOSED-CELL NEOPRENE GASKET ALONG TOP & SIDES HAVING BOLTS. AFFIX GASKET TO BOX W/ APPROVED ADHESIVE.

1/4" x 1 1/2" x 1 1/2" MOUNTING TAB W/ 1/2" HOLE. WELD TO BOX. PROVIDE 1 TAB @ EACH END OF BOX.

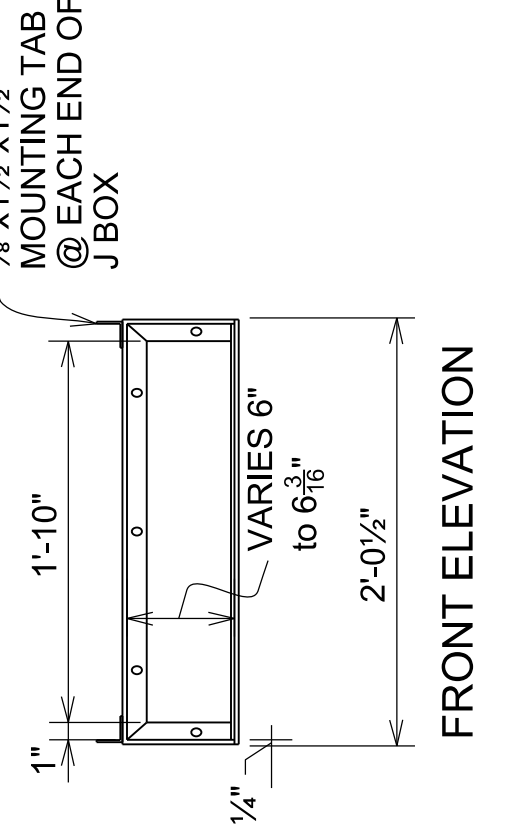


DETAIL



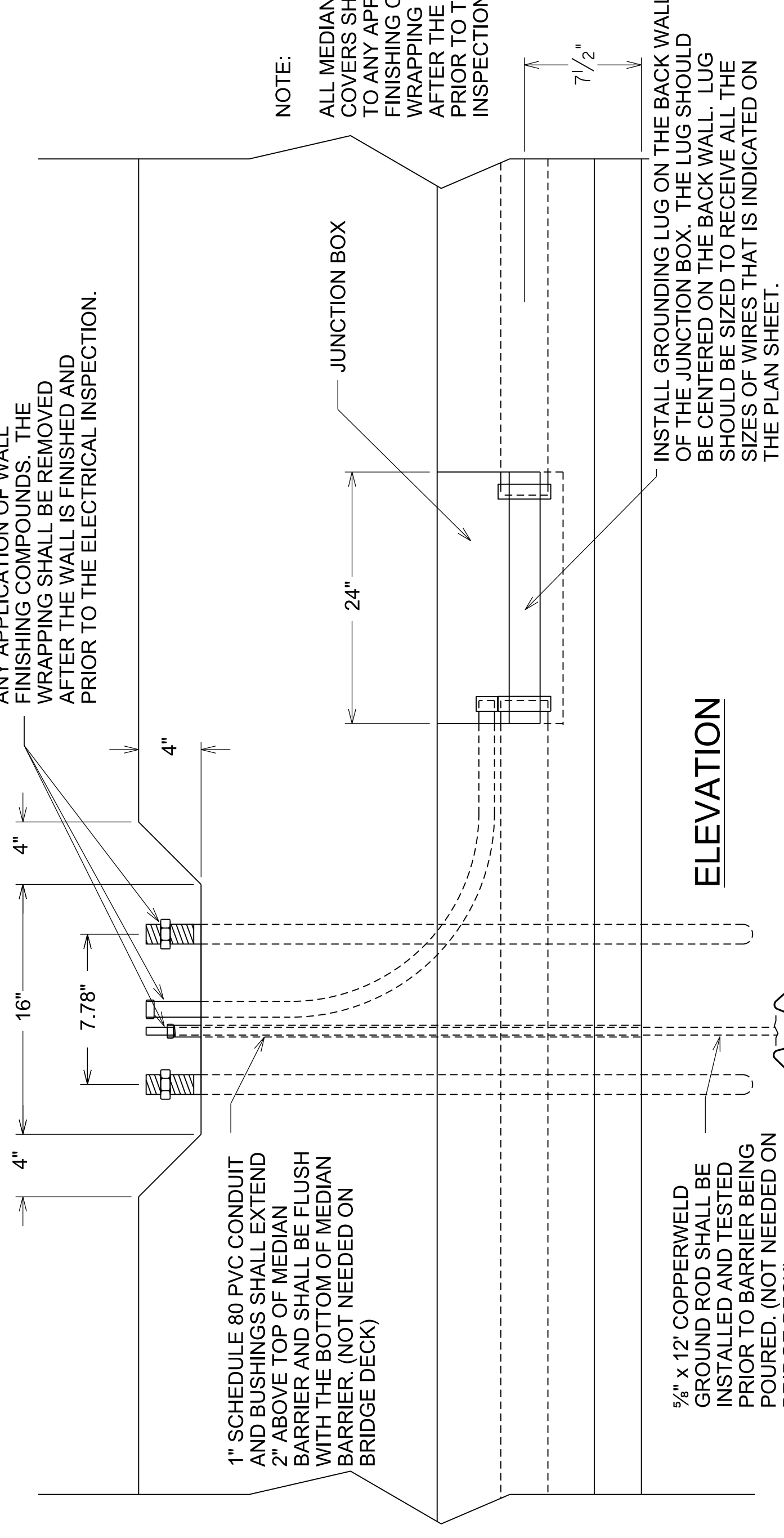
SIDE ELEVATION

JUNCTION BOX



FRONT ELEVATION

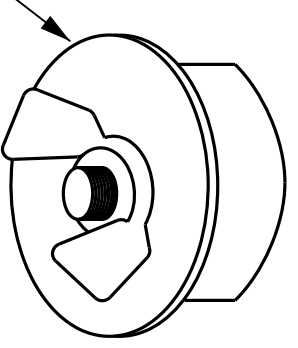
NOTE:
 ALL MEDIAN WALL JUNCTION BOX COVERS SHALL BE WRAPPED PRIOR TO ANY APPLICATION OF WALL FINISHING COMPOUNDS. THE WRAPPING SHALL BE REMOVED AFTER THE WALL IS FINISHED AND PRIOR TO THE ELECTRICAL INSPECTION.



ELEVATION

3/8" x 12" COPPERWELD GROUND ROD SHALL BE INSTALLED AND TESTED PRIOR TO BARRIER BEING POURED. (NOT NEEDED ON BRIDGE DECK)

TEST/PIPE PLUG (FOR SPARE CONDUITS) CAPPED ON BOTH ENDS

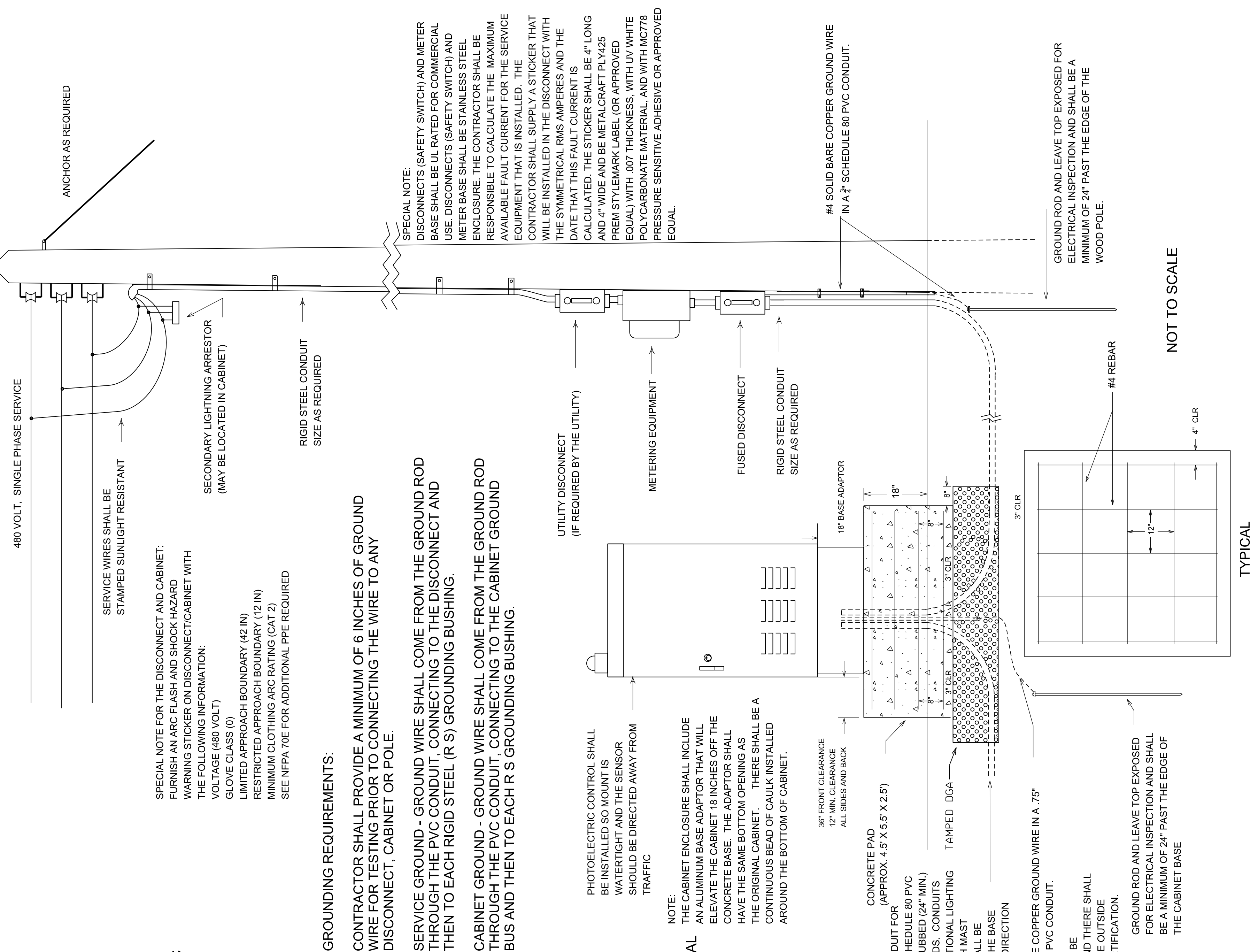


TEST/PIPE PLUG(FOR SPARE CONDUITS) AND GROUNDING DETAIL

INSTALL GROUNDING LUG ON THE BACK WALL OF THE JUNCTION BOX. THE LUG SHOULD BE CENTERED ON THE BACK WALL. LUG SHOULD BE SIZED TO RECEIVE ALL THE SIZES OF WIRES THAT IS INDICATED ON THE PLAN SHEET.

SCHEDULE 80 PVC FINISHED GRADE

35' CLASS 4 WOOD POLE



SPECIAL NOTE FOR THE DISCONNECT AND CABINET:
FURNISH AN ARC FLASH AND SHOCK HAZARD WARNING STICKER ON DISCONNECT/CABINET WITH THE FOLLOWING INFORMATION:
VOLTAGE (480 VOLT)
GLOVE CLASS (0)
LIMITED APPROACH BOUNDARY (42 IN)
RESTRICTED APPROACH BOUNDARY (12 IN)
MINIMUM CLOTHING ARC RATING (CAT 2)
SEE NFPA 70E FOR ADDITIONAL PPE REQUIRED

GROUNDING REQUIREMENTS:
CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 INCHES OF GROUND WIRE FOR TESTING PRIOR TO CONNECTING THE WIRE TO ANY DISCONNECT, CABINET OR POLE.

SERVICE GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE DISCONNECT AND THEN TO EACH RIGID STEEL (R S) GROUNDING BUSHING.

CABINET GROUND - GROUND WIRE SHALL COME FROM THE GROUND ROD THROUGH THE PVC CONDUIT, CONNECTING TO THE CABINET GROUND BUS AND THEN TO EACH R S GROUNDING BUSHING.

SPECIAL NOTE:
DISCONNECTS (SAFETY SWITCH) AND METER BASE SHALL BE UL RATED FOR COMMERCIAL USE. DISCONNECTS (SAFETY SWITCH) AND METER BASE SHALL BE STAINLESS STEEL ENCLOSURE. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALCULATE THE MAXIMUM AVAILABLE FAULT CURRENT FOR THE SERVICE EQUIPMENT THAT IS INSTALLED. THE CONTRACTOR SHALL SUPPLY A STICKER THAT WILL BE INSTALLED IN THE DISCONNECT WITH THE SYMMETRICAL RMS AMPERES AND THE DATE THAT THIS FAULT CURRENT IS CALCULATED. THE STICKER SHALL BE 4" LONG AND 4" WIDE AND BE METALCRAFT PL1425 PREM STYLE MARK LABEL (OR APPROVED EQUAL) WITH .007 THICKNESS, WITH UV WHITE POLYCARBONATE MATERIAL, AND WITH MC778 PRESSURE SENSITIVE ADHESIVE OR APPROVED EQUAL.

PHOTOELECTRIC CONTROL SHALL BE INSTALLED SO MOUNT IS WATERTIGHT AND THE SENSOR SHOULD BE DIRECTED AWAY FROM TRAFFIC

NOTE:
THE CABINET ENCLOSURE SHALL INCLUDE AN ALUMINUM BASE ADAPTOR THAT WILL ELEVATE THE CABINET 18 INCHES OFF THE CONCRETE BASE. THE ADAPTOR SHALL HAVE THE SAME BOTTOM OPENING AS THE ORIGINAL CABINET. THERE SHALL BE A CONTINUOUS BEAD OF CAULK INSTALLED AROUND THE BOTTOM OF CABINET.

36" FRONT CLEARANCE
12" MIN. CLEARANCE ALL SIDES AND BACK

CONCRETE PAD (APPROX. 4.5' X 5.5' X 2.5')

(1) SCHEDULE 80 PVC CONDUIT FOR EACH CIRCUIT PLUS (1) SCHEDULE 80 PVC SPARE CONDUIT TO BE STUBBED (24" MIN.) AND CAPPED ON BOTH ENDS. CONDUITS SHALL BE 2" FOR CONVENTIONAL LIGHTING CIRCUITS AND 3" FOR HIGH MAST CIRCUITS. AN ARROW SHALL BE CARVED ON THE TOP OF THE BASE TO SHOW THE LOCATION/DIRECTION OF THE SPARE CONDUIT.

NOTE:
ALL LIGHTING CABINETS SHALL BE MANUFACTURE PER UL508A, AND THERE SHALL BE A PERMANENT LABEL ON THE OUTSIDE STATING THAT IT HAS THIS CERTIFICATION.

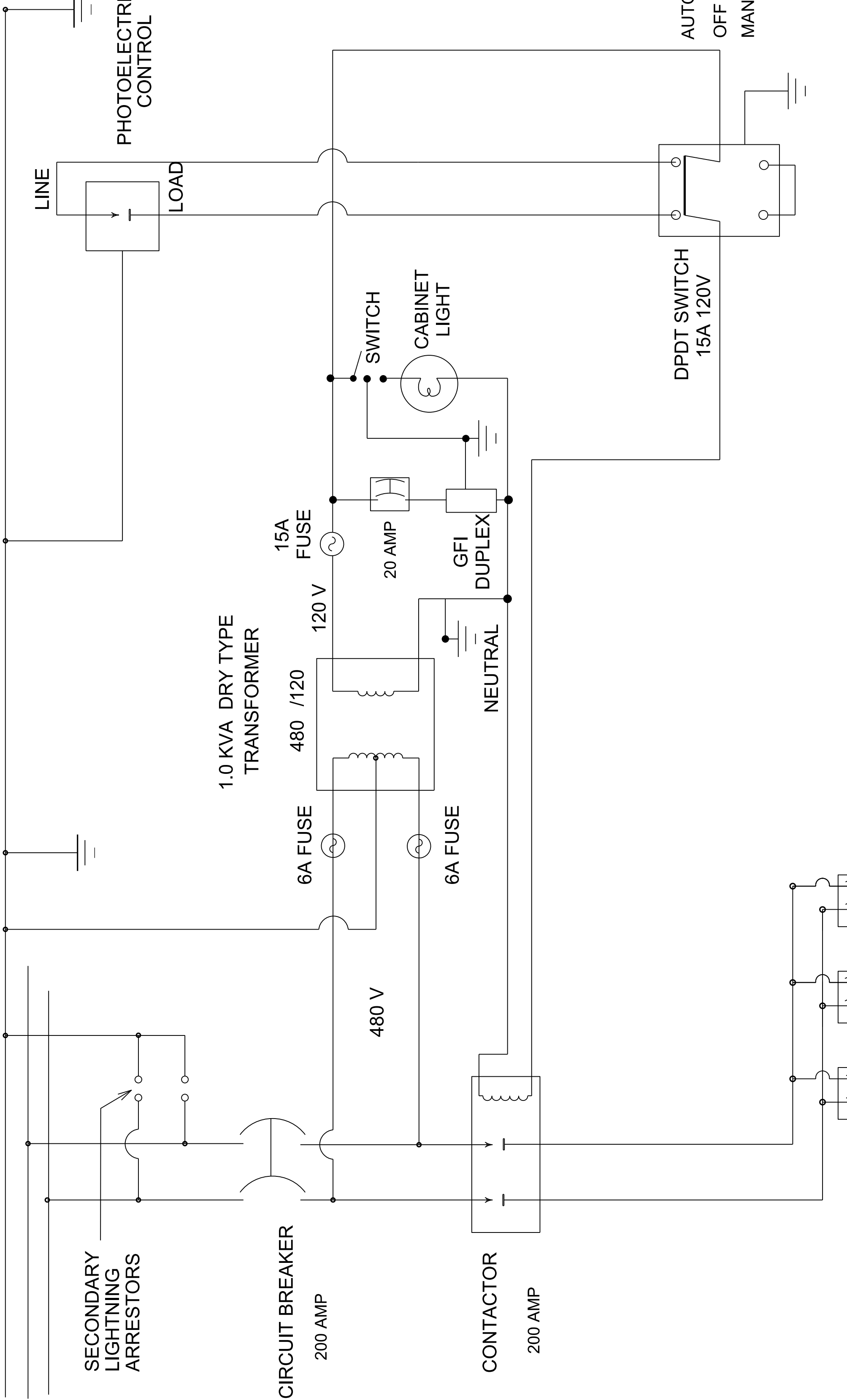
GROUND ROD AND LEAVE TOP EXPOSED FOR ELECTRICAL INSPECTION AND SHALL BE A MINIMUM OF 24" PAST THE EDGE OF THE CABINET BASE

#4 REBAR SHALL BE COMPRISED OF RUNS AS SHOWN AND TIED AT EACH JOINT.

ALL CONSTRUCTION (TO INCLUDE EXCAVATION WORK) AND MATERIALS (CONCRETE, STEEL REINFORCEMENT, ETC.) FOR THE CONCRETE PAD SHALL BE INCIDENTAL TO THE POLE FOR THE LIGHTING CONTROL EQUIPMENT BID ITEM.

ALL CONDUITS USED FOR GROUNDING, SPARE, AND SERVICE THAT ARE INSTALLED ON THE POLE AND/OR INTO THE CABINET ARE INCIDENTAL TO BID ITEM "4761". THIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT PAST THE EDGE OF THE CABINET BASE FOR THE SPARE.

480 VOLT SINGLE PHASE SERVICE



NOTES:
CONTRACTOR SHALL INSTALL ALL LIGHTING CONTROL EQUIPMENT AS INDICATED.

CONCRETE SHALL BE CLASS A. CONCRETE SHALL BE POURED ON 12" OF POWER TAMPED DENSE GRADE ROCK. PAD SHALL BE 30" THICK WITH 18" ABOVE GRADE.

PAD SHALL BE OF SUFFICIENT SIZE TO ALLOW A MINIMUM 36" IN FRONT OF THE CABINET AND 12" MINIMUM CLEARANCE AROUND THE SIDES AND BACK OF THE CABINET.

CONCRETE SHALL BE SLOPED 1/8" PER FOOT TO PREVENT STANDING WATER. OUTSIDE EDGE SHALL HAVE A ONE INCH CHAMFER.

TYPICAL

NOT TO SCALE

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| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909_30 | 140 |

34. Electrical components shall be protected per ANSI/IEEE standard C62.41, for Class C applications.
 35. The LED shall fully operate in a temperature range -40 degrees C to 40 degrees C (-40 degrees F to 104 degrees F).
 36. The LED shall lose no more than a 15% optical intensity of initial delivered lumens due to thermal loading when operated at 25°C (77°F)
 37. The LED shall have a rated life of 100,000 hours when operated at 40 °C.
 38. The LED shall have a minimum Luminare efficacy of 120 lumens/watt.
 39. The Correlated Color Temperature (CCT) shall be 4000K with a variance of 250K, white, that conforms to LM-79. The Correlated Color Temperature (CCT) shall be 5000K with a variance of 250K, white, that conforms to LM-79 (HIGH MAST ONLY).
 40. The minimum color rendering index (CRI) shall not be less than 70.
 41. The optics shall have a completely sealed optical system.
 42. The optical system shall have a (IEC) (IP) rating of 66 or greater.
 43. The optics shall have an Illuminating Engineering Society of North America (IESNA) Backlight, Uplight and Glare (BUG) rating as follows:
 a. Backlight rating shall not exceed 3; (highmast fixture backlight rating shall not exceed 5)
 b. Uplight rating shall not exceed 0;
 c. Glare rating shall not exceed 3/4
 44. The Light Loss Factor (LLF) shall be calculated for each fixture as follows:
 LLF = LLD X LDD

Lamp Lumen Depreciation Factor (LLD) shall be the specified percentage of LED lumen maintenance at 70,000 hours at 25°C (77°F) from the TM-21 report. This LLD should be according to LM -80 and TM -21 reports. This report shall be submitted for verification.
 Luminare Dirt Depreciation (LDD)= .9
 45. The TM-21 Report must show the drive current used for the submitted luminaire. The report can show a larger drive current to represent a worst case scenario.
 46. The Lumen Maintenance Life L80 from the TM-21 Report must not be below 80% at 70,000 hours at 25°C (77°F)
 47. The manufacturer shall provide certified test laboratories IES photometrics which verify light levels. Product submittal shall be accompanied by IES TM-21 compliant test reports from a CALIPER qualified or NVLAP accredited testing laboratory for the specific model being submitted.
 48. The luminaire shall be equipped with a shunting cap and a 7-pin photometric receptacle that meets ANSI 2013 standard C136.41
 49. The luminaire shall have an exterior label that identifies the fixture type (A,B,C,D) and the distribution type. This label shall be submitted and approved by the project engineer.
 50. The luminaire shall have a QR code label that can be scanned and identify the model number and serial number for each individual fixture. This label shall be submitted and approved by the project engineer.
 51. WARRANTY: The Manufacturer shall ensure that the LED Luminaires have a minimum standard warranty of 10 years for all parts, materials, paint finish, and shipping (both ways) required to repair or replace the luminaire. The warranty shall begin upon the date the luminaire is received. The warranty shall be transferable. Technical Support. During the warranty period, technical support shall be available from the manufacturer via telephone within 24 hours of the time the call is made from KYTC, and this support shall be made available from factory certified personnel or factory certified installers at no additional charge to the Department.

52. MINIMUM REQUIRED SUBMITTALS:
 Luminare specification sheet.
 LED driver specification sheet.
 LM-79 Luminare photometric report.
 The vendor must submit LM-79 in-situ test data to confirm thermal operating temperatures of the luminaire.
 LM-80 Lumen maintenance report.
 TM-21 calculations as defined.
 Backlight, Uplight, Glare (BUG) rating of the luminaire.
 Written product warranty.
 Certified test lab IES photometric reports.
 Including IES electronic file.
 Including intensity and chromaticity data.
 Instructions for installation and maintenance.

53. The following are the required Specifications for the LED Fixture:
 1. The Luminaire shall be listed by a National Recognized Testing Laboratory (NRTL) as defined by the U.S. Department of Labor. The testing laboratory must be listed by OSHA in its scope of recognition for the applicable tests being conducted as required by this specification. A list of recognized testing labs for products sold in the United States may be found on the U.S. Department of Labor's web site: <http://www.osha.gov/>
 2. The Luminaire shall be listed and labeled by a NRTL or CSA as being in compliance with UL 1598 and suitable for use in wet locations.
 3. Key components including LED drivers, LED light sources, and surge protection devices shall be RoHS compliant.
 4. The housing shall have an International Electrotechnical Commission (IEC) 529 Ingress Protection (IP) rating of IP 65 or greater.
 5. Shall be in compliance with Electro Magnetic Interference (EMI) requirements as defined by FCC 47 Sub Part 15; CISPR15; CISPR22 Class A (120Vmin), EN61000-3-2, -3-3, -4-4, -4-5.
 6. Shall be tested according to the most current version of Illuminating Engineering Society of North America (IESNA) LM-79.
 7. Shall have lumen maintenance measured in accordance the most current version of Illuminating Engineering Society of North America (IESNA) LM-80.
 8. Shall have long term lumen maintenance documented according to the most current version of Illuminating Engineering Society of North America (IESNA) TM-21.

9. The fixture shall have a diecast aluminum housing.
 10. The luminaire finish shall be corrosion resistant with a polyester powdercoat of 2.5 mil nominal thickness. Finish shall pass per ASTM D1654 after 3000 hours of testing per ASTM B117.
 11. All hardware on the exterior of the housing including cover and latch shall be stainless steel, zinc or steel with zinc alloy electroplate and chromate top coat.
 12. The luminaire shall be easy to open when properly mounted and shall have readily accessible internal parts. Access to all internal parts requiring replacement shall not require tools (i.e. "tool-less entry").
 13. The luminaire shall have a vibration rating of 3G per the American National Standard (ANSI) IEEE C136.31, Table 2 Roadway Lighting Equipment -Luminare Vibration for both normal applications and bridge and overpass applications.
 14. The luminaire shall be designed to allow water shedding.
 15. The luminaire shall have a passive cooling method shall be employed to manage thermal output of LED light engine and power supply.
 16. The luminaire shall have a label per ANSI C136.22 that states operating voltage and current range. The label must be clearly visible on the inside of the housing.
 17. The luminaire shall fully operate in a temperature range of -40 degrees C up to 40 degrees C (-40 degrees F to 104 degrees F).
 18. In retrofit applications, the LED luminaire shall not be more wattage than the original HPS fixture if you are replacing one for one. For the optimized proposal, we will allow the wattage to be greater than the original proposed luminaire.
 19. The luminaire shall have an integral power supply (electronic driver). The power supply shall not have a manual, field-adjustable setting for current output.
 20. The luminaire shall have a power supply (electronic driver) that will operate on a 480 volt single phase at 60 hertz.
 21. The luminaire shall have a power supply (electronic driver) that has a power factor of .90 or greater at full load.
 22. The luminaire shall have a power supply (electronic driver) that has total harmonic distortion of 20% or less at full load.
 23. The luminaire shall have power supply (electronic driver) output ripple of less than 15%.
 24. The luminaire shall have power supply (electronic driver) with a rated life of 100,000 hours with a luminaire operated at an ambient temperature of 25°C (77°F).
 25. The luminaire shall have an isolated power supply (electronic driver) output.
 26. The luminaire shall have a power supply (electronic driver) that has thermal overload protection.
 27. The luminaire shall have a power supply (electronic driver) that is self-limited short circuit protected and over load protected.
 28. The luminaire shall not use any active thermal cutback, such as in order to achieve a higher thermal performance.
 29. The luminaire shall have a power supply (electronic driver) that is terminated with quick disconnect wire harnesses for easy maintenance. Wire nut termination is not acceptable.
 30. The luminaire shall have a terminal block for terminating wiring to the luminaire. The terminal block shall be a 3 station, tunnel lug terminal board that will accommodate #6 thru #18 AWG pole wire.
 31. Fixture shall have a surge protection that meets 10KV/5KA per ANSI/IEEE C62.41.
 32. The luminaire shall have life rating on all electrical components of 100,000 hours or greater when operated at full lumen output at 25 degrees C.
 33. All LED components shall be L70 rated when operated in a luminaire at 25 degrees C (77 degrees F) at 100,000 hours.

OVERALL CRITERIA ILLUMINANCE:
 MAXIMUM: NOT MORE THAN 3.24 FOOTCANDLES
 AVERAGE: NOT LESS THAN 0.80 FOOTCANDLES
 MINIMUM: NOT LESS THAN 0.20 FOOTCANDLES
 AVG/MIN: NOT MORE THAN 4:1

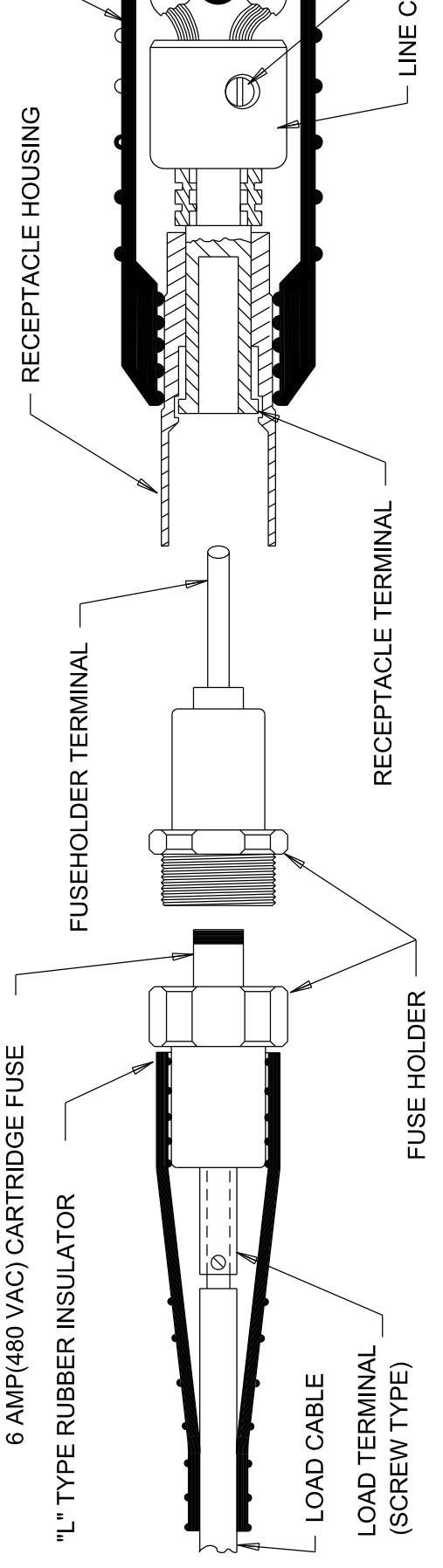
ALL POLE LOCATIONS, ARM LENGTHS, AND ORIENTATION OF LUMINAIRE (TO CURVE/ROAD) SHOULD BE MAINTAINED DUE TO UTILITIES/DRAINAGE/RIGHT-OF-WAY.

LUMINAIRE DESIGN:

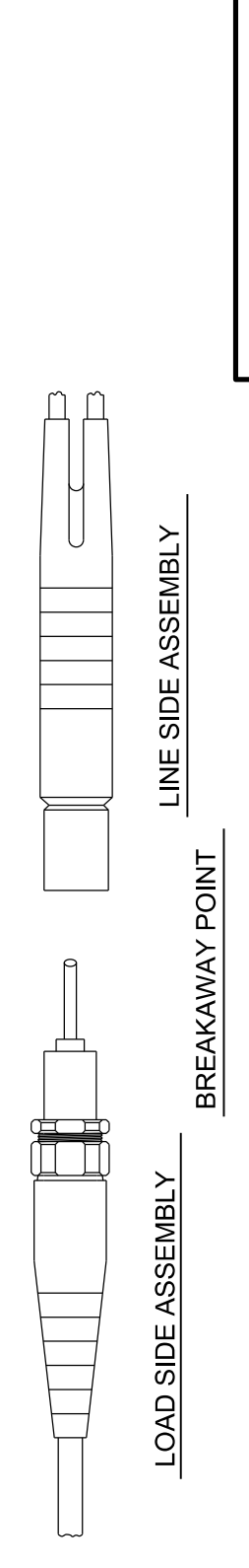
TYPE II OR V DISTRIBUTION (SEE PLANS)
 CCT: 4000K
 LAMP WATTAGE: 122W, 181W, OR 333W (SEE PLANS)

SPECIAL NOTE:
 ALL LUMINAIRES SHALL HAVE THE NEMA LABEL INSTALL ON THE BOTTOM OF THE FIXTURE TO VERIFY THE WATTAGE. LABEL: C2

BREAKAWAY FUSE CONNECTOR KIT



DETAILS OF TYPE HEB-JW-RYC CONNECTOR



TYPE HEB-JW-RYC CONNECTOR SHOWN

LED LUMINAIRE/FUSE CONNECTOR DETAILS

The following are the required Specifications for the LED Fixture:
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 2. The Luminaire shall be listed and labeled by a NRTL or CSA as being in compliance with UL 1598 and suitable for use in wet locations.
 3. Key components including LED drivers, LED light sources, and surge protection devices shall be RoHS compliant.
 4. The housing shall have an International Electrotechnical Commission (IEC) 529 Ingress Protection (IP) rating of IP 65 or greater.
 5. Shall be in compliance with Electro Magnetic Interference (EMI) requirements as defined by FCC 47 Sub Part 15; CISPR15; CISPR22 Class A (120Vmin), EN61000-3-2, -3-3, -4-4, -4-5.
 6. Shall be tested according to the most current version of Illuminating Engineering Society of North America (IESNA) LM-79.
 7. Shall have lumen maintenance measured in accordance the most current version of Illuminating Engineering Society of North America (IESNA) LM-80.
 8. Shall have long term lumen maintenance documented according to the most current version of Illuminating Engineering Society of North America (IESNA) TM-21.

9. The fixture shall have a diecast aluminum housing.
 10. The luminaire finish shall be corrosion resistant with a polyester powdercoat of 2.5 mil nominal thickness. Finish shall pass per ASTM D1654 after 3000 hours of testing per ASTM B117.
 11. All hardware on the exterior of the housing including cover and latch shall be stainless steel, zinc or steel with zinc alloy electroplate and chromate top coat.
 12. The luminaire shall be easy to open when properly mounted and shall have readily accessible internal parts. Access to all internal parts requiring replacement shall not require tools (i.e. "tool-less entry").
 13. The luminaire shall have a vibration rating of 3G per the American National Standard (ANSI) IEEE C136.31, Table 2 Roadway Lighting Equipment -Luminare Vibration for both normal applications and bridge and overpass applications.
 14. The luminaire shall be designed to allow water shedding.
 15. The luminaire shall have a passive cooling method shall be employed to manage thermal output of LED light engine and power supply.
 16. The luminaire shall have a label per ANSI C136.22 that states operating voltage and current range. The label must be clearly visible on the inside of the housing.
 17. The luminaire shall fully operate in a temperature range of -40 degrees C up to 40 degrees C (-40 degrees F to 104 degrees F).
 18. In retrofit applications, the LED luminaire shall not be more wattage than the original HPS fixture if you are replacing one for one. For the optimized proposal, we will allow the wattage to be greater than the original proposed luminaire.
 19. The luminaire shall have an integral power supply (electronic driver). The power supply shall not have a manual, field-adjustable setting for current output.
 20. The luminaire shall have a power supply (electronic driver) that will operate on a 480 volt single phase at 60 hertz.
 21. The luminaire shall have a power supply (electronic driver) that has a power factor of .90 or greater at full load.
 22. The luminaire shall have a power supply (electronic driver) that has total harmonic distortion of 20% or less at full load.
 23. The luminaire shall have power supply (electronic driver) output ripple of less than 15%.
 24. The luminaire shall have power supply (electronic driver) with a rated life of 100,000 hours with a luminaire operated at an ambient temperature of 25°C (77°F).
 25. The luminaire shall have an isolated power supply (electronic driver) output.
 26. The luminaire shall have a power supply (electronic driver) that has thermal overload protection.
 27. The luminaire shall have a power supply (electronic driver) that is self-limited short circuit protected and over load protected.
 28. The luminaire shall not use any active thermal cutback, such as in order to achieve a higher thermal performance.
 29. The luminaire shall have a power supply (electronic driver) that is terminated with quick disconnect wire harnesses for easy maintenance. Wire nut termination is not acceptable.
 30. The luminaire shall have a terminal block for terminating wiring to the luminaire. The terminal block shall be a 3 station, tunnel lug terminal board that will accommodate #6 thru #18 AWG pole wire.
 31. Fixture shall have a surge protection that meets 10KV/5KA per ANSI/IEEE C62.41.
 32. The luminaire shall have life rating on all electrical components of 100,000 hours or greater when operated at full lumen output at 25 degrees C.
 33. All LED components shall be L70 rated when operated in a luminaire at 25 degrees C (77 degrees F) at 100,000 hours.

OVERALL CRITERIA ILLUMINANCE:
 MAXIMUM: NOT MORE THAN 3.24 FOOTCANDLES
 AVERAGE: NOT LESS THAN 0.80 FOOTCANDLES
 MINIMUM: NOT LESS THAN 0.20 FOOTCANDLES
 AVG/MIN: NOT MORE THAN 4:1

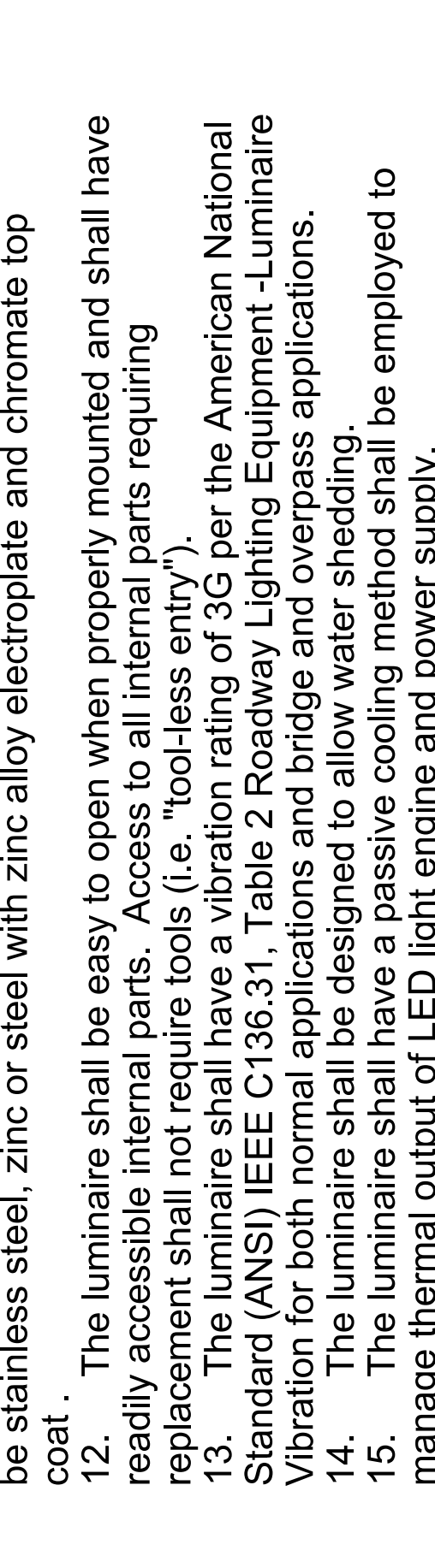
ALL POLE LOCATIONS, ARM LENGTHS, AND ORIENTATION OF LUMINAIRE (TO CURVE/ROAD) SHOULD BE MAINTAINED DUE TO UTILITIES/DRAINAGE/RIGHT-OF-WAY.

LUMINAIRE DESIGN:

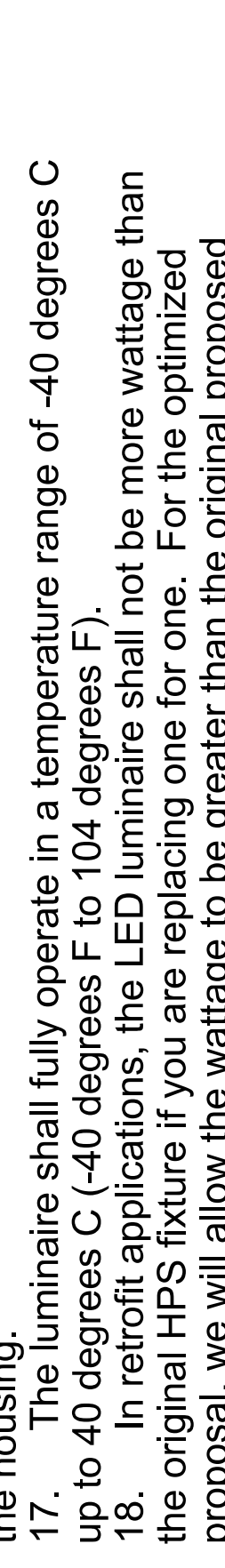
TYPE II OR V DISTRIBUTION (SEE PLANS)
 CCT: 4000K
 LAMP WATTAGE: 122W, 181W, OR 333W (SEE PLANS)

SPECIAL NOTE:
 ALL LUMINAIRES SHALL HAVE THE NEMA LABEL INSTALL ON THE BOTTOM OF THE FIXTURE TO VERIFY THE WATTAGE. LABEL: C2

BREAKAWAY FUSE CONNECTOR KIT



DETAILS OF TYPE HEB-JW-RYC CONNECTOR



TYPE HEB-JW-RYC CONNECTOR SHOWN

LED LUMINAIRE/FUSE CONNECTOR DETAILS

LEGEND

- PROPOSED LUMINAIRE
- EXISTING LUMINAIRE
- BASE MOUNTED CABINET

- JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
- 1/4" CONDUIT
- 2" CONDUIT
- 3" CONDUIT

CONVENTIONAL LIGHTING:

ALL POLES SHALL HAVE A #12 AWG GREEN GROUND WIRE RUN FROM BOTTOM OF POLE TO THE LUMINAIRE FOR GROUNDING. ALL POLES SHALL HAVE A GREEN WIRE THE SAME SIZE AS THE CIRCUIT WIRE RUN FROM POLE TO POLE FOR GROUNDING. GROUNDING WIRES SHALL BE CONNECTED TO GROUNDING LUGS ON CONDUITS OR ON THE POLE/TRANSFORMER BASE.

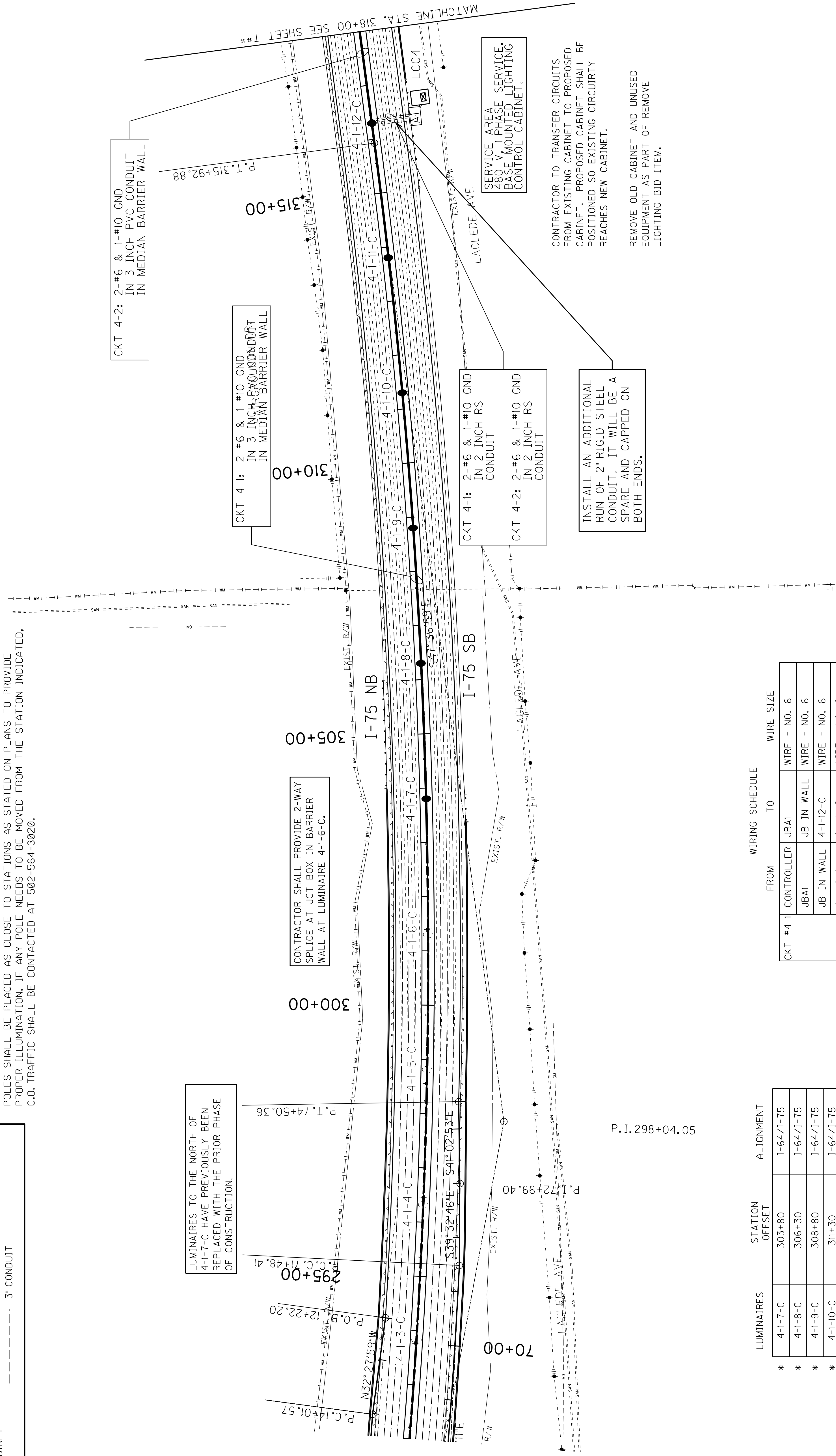
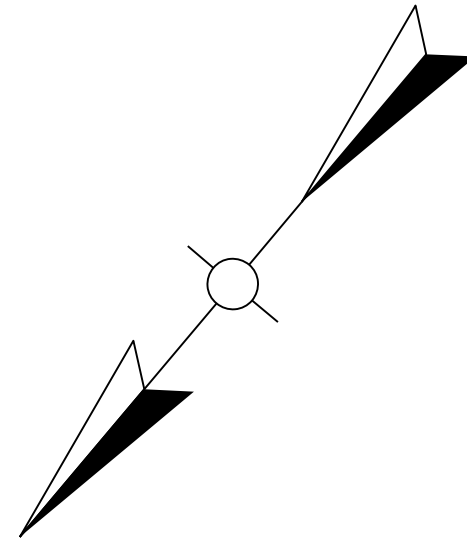
POLE HEIGHTS, ARM LENGTHS AND SETBACKS ARE DENOTED AS STATED ON LUMINAIRE DESIGNATION EXAMPLES ON LUMINAIRE/FUSE CONNECTOR DETAIL SHEET.

POLES SHALL BE PLACED AS CLOSE TO STATIONS AS STATED ON PLANS TO PROVIDE PROPER ILLUMINATION. IF ANY POLE NEEDS TO BE MOVED FROM THE STATION INDICATED, C.O. TRAFFIC SHALL BE CONTACTED AT 502-564-3020.

GENERAL CONVENTIONAL NOTES:

ALL SPLICES NOTED ON THIS PLAN SHALL BE APPROVED BY CENTRAL OFFICE TRAFFIC OPERATIONS. THESE SPLICES SHALL BE WATERPROOF AND SHALL BE OF THE CORRECT SIZE FOR THE WIRE USED AND SHALL BE RAYCHEM (TAP-2(B)18) OR APPROVED EQUAL. ALL SPLICES SHALL BE INCIDENTAL TO THE WIRE AND CABLE BEING INSTALLED.

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | 141 |



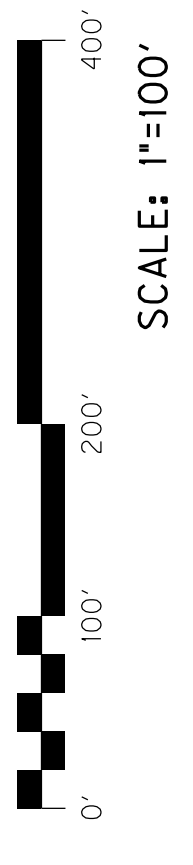
WIRING SCHEDULE

| CKT # | FROM | TO | WIRE SIZE |
|-------|------------|------------|--------------|
| 4-1 | CONTROLLER | JBAI | WIRE - NO. 6 |
| | JBAI | JB IN WALL | WIRE - NO. 6 |
| | JB IN WALL | 4-1-12-C | WIRE - NO. 6 |
| | 4-1-12-C | 4-1-11-C | WIRE - NO. 6 |
| | 4-1-11-C | 4-1-10-C | WIRE - NO. 6 |
| | 4-1-10-C | 4-1-9-C | WIRE - NO. 6 |
| | 4-1-9-C | 4-1-8-C | WIRE - NO. 6 |
| | 4-1-8-C | 4-1-7-C | WIRE - NO. 6 |
| | 4-1-7-C | 4-1-6-C | WIRE - NO. 6 |
| | 4-1-6-C | 4-1-5-C | WIRE - NO. 6 |

LUMINAIRE ALIGNMENT

| LUMINAIRE | STATION OFFSET | ALIGNMENT |
|-----------|----------------|-----------|
| 4-1-7-C | 303+80 | I-64/1-75 |
| 4-1-8-C | 306+30 | I-64/1-75 |
| 4-1-9-C | 308+80 | I-64/1-75 |
| 4-1-10-C | 311+30 | I-64/1-75 |
| 4-1-11-C | 313+80 | I-64/1-75 |
| 4-1-12-C | 316+30 | I-64/1-75 |

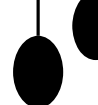

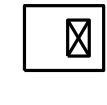




* PROPOSED CONVENTIONAL POLE TO USE EXISTING LED LUMINAIRE. SEE BID ITEM REMOVE, STORE, AND REINSTALL LUMINAIRE.



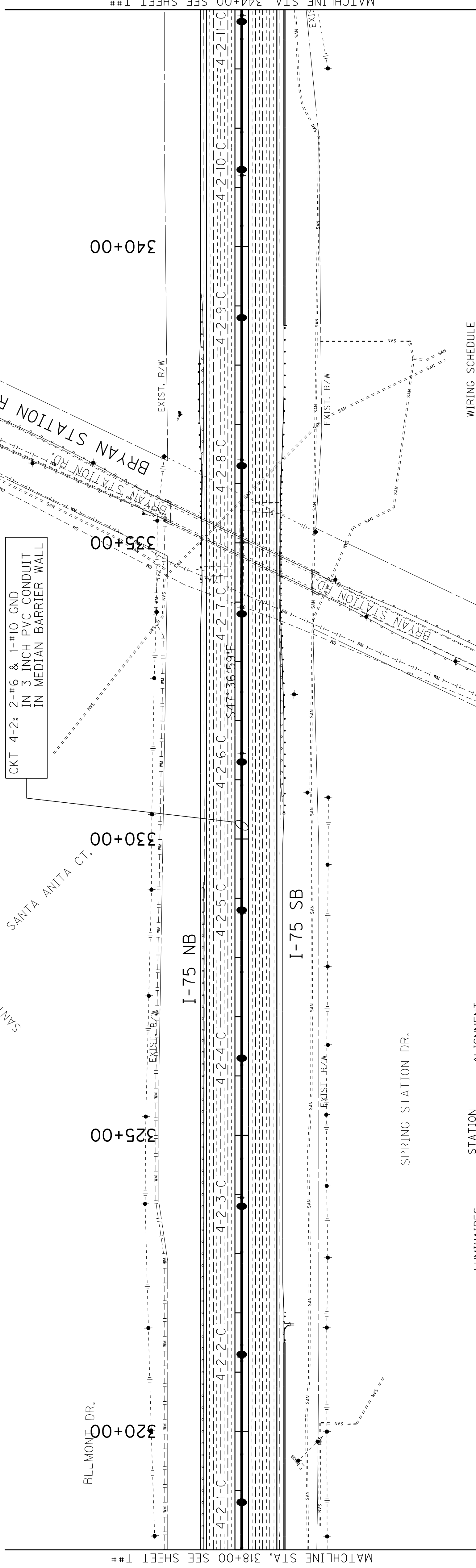
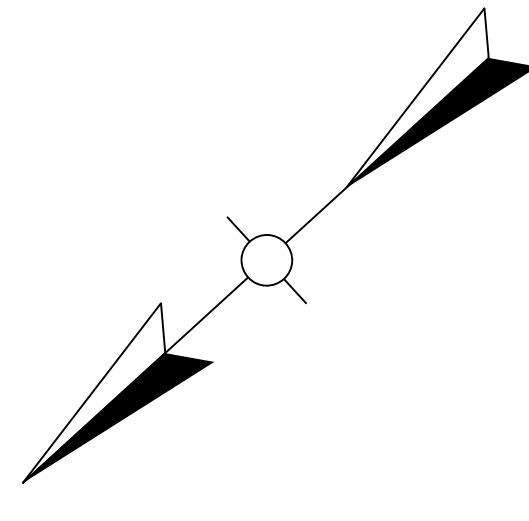
SCALE: 1"=100'

I-64 / I-75
LIGHTING PLAN
STA. 292+00 TO STA. 318+00

LEGEND

-  PROPOSED LUMINAIRE
-  EXISTING LUMINAIRE
-  BASE MOUNTED CABINET
-  JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
-  1/4" CONDUIT
-  2" CONDUIT
-  3" CONDUIT

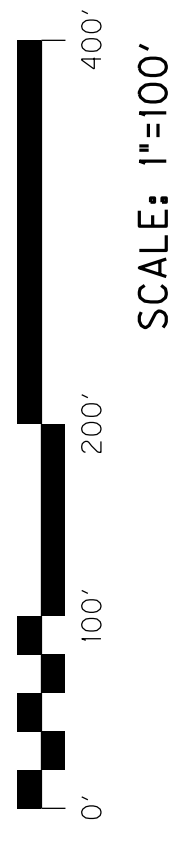
| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | 142 |



| LUMINAIRES | STATION OFFSET | ALIGNMENT |
|------------|----------------|-----------|
| * 4-2-1-C | 318+80 | I-64/1-75 |
| * 4-2-2-C | 321+30 | I-64/1-75 |
| * 4-2-3-C | 323+80 | I-64/1-75 |
| * 4-2-4-C | 326+30 | I-64/1-75 |
| * 4-2-5-C | 328+80 | I-64/1-75 |
| * 4-2-6-C | 331+30 | I-64/1-75 |
| * 4-2-7-C | 333+80 | I-64/1-75 |
| * 4-2-8-C | 336+30 | I-64/1-75 |
| * 4-2-9-C | 338+80 | I-64/1-75 |
| * 4-2-10-C | 341+30 | I-64/1-75 |
| * 4-2-11-C | 343+80 | I-64/1-75 |

* PROPOSED CONVENTIONAL POLE TO USE EXISTING LED LUMINAIRE. SEE BID ITEM REMOVE, STORE, AND REINSTALL LUMINAIRE.




| FROM | TO | WIRE SIZE |
|------------|------------|--------------|
| CKT #4-2 | CONTROLLER | WIRE - NO. 6 |
| JBA1 | JB IN WALL | WIRE - NO. 6 |
| JB IN WALL | 4-2-1-C | WIRE - NO. 6 |
| 4-2-1-C | 4-2-2-C | WIRE - NO. 6 |
| 4-2-2-C | 4-2-3-C | WIRE - NO. 6 |
| 4-2-3-C | 4-2-4-C | WIRE - NO. 6 |
| 4-2-4-C | 4-2-5-C | WIRE - NO. 6 |
| 4-2-5-C | 4-2-6-C | WIRE - NO. 6 |
| 4-2-6-C | 4-2-7-C | WIRE - NO. 6 |
| 4-2-7-C | 4-2-8-C | WIRE - NO. 6 |
| 4-2-8-C | 4-2-9-C | WIRE - NO. 6 |
| 4-2-9-C | 4-2-10-C | WIRE - NO. 6 |
| 4-2-10-C | 4-2-11-C | WIRE - NO. 6 |


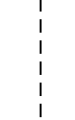




SCALE: 1"=100'

I-64 / I-75
LIGHTING PLAN
STA. 318+00 TO STA. 344+00

LEGEND

-  PROPOSED LUMINAIRE
-  EXISTING LUMINAIRE
-  BASE MOUNTED CABINET

-  JUNCTION BOXES - TYPES A & C (AS DESIGNATED)
-  1/4" CONDUIT
-  2" CONDUIT
-  3" CONDUIT

* PROPOSED CONVENTIONAL POLE TO USE EXISTING LED LUMINAIRE. SEE BID ITEM REMOVE, STORE, AND REINSTALL LUMINAIRE.

* PROPOSED CONVENTIONAL POLE TO USE EXISTING LED LUMINAIRE. SEE BID ITEM REMOVE, STORE, AND REINSTALL LUMINAIRE.

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| COUNTY OF | FAYETTE |
| ITEM NO. | 7-8909.30 |
| SHEET NO. | 143 |

WIRING SCHEDULE

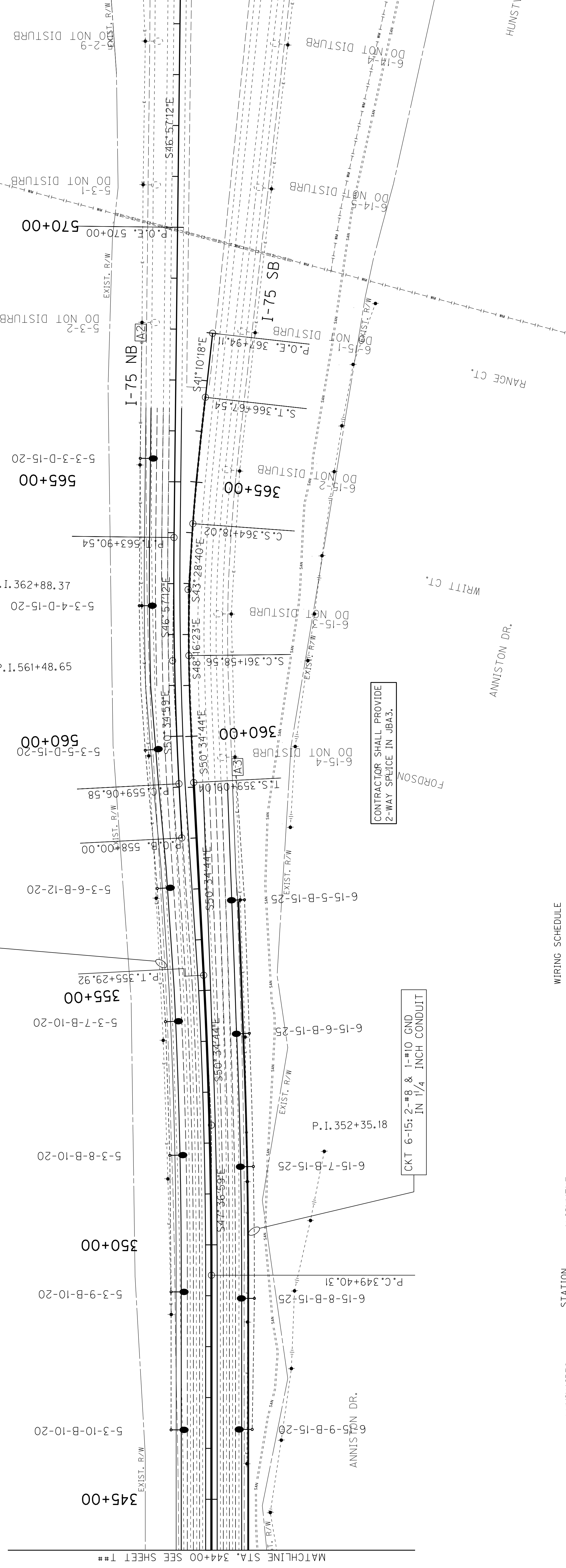
| FROM | TO | WIRE SIZE |
|----------|------|----------------------------|
| CKT #5-3 | JBA2 | 5-3-3-D-15-20 WIRE - NO. 8 |
| | | 5-3-3-D-15-20 WIRE - NO. 8 |
| | | 5-3-4-D-15-20 WIRE - NO. 8 |
| | | 5-3-5-D-15-20 WIRE - NO. 8 |
| | | 5-3-6-B-12-20 WIRE - NO. 8 |
| | | 5-3-7-B-10-20 WIRE - NO. 8 |
| | | 5-3-8-B-10-20 WIRE - NO. 8 |
| | | 5-3-9-B-10-20 WIRE - NO. 8 |

CONTRACTOR SHALL PROVIDE 2-WAY SPLICE IN JBA2.

CONTRACTOR SHALL PROVIDE 2-WAY SPLICE IN JBA3.

CKT 5-3: 2-#8 & 1-#10 GND IN 1/4 INCH CONDUIT

CKT 6-15: 2-#8 & 1-#10 GND IN 1/4 INCH CONDUIT

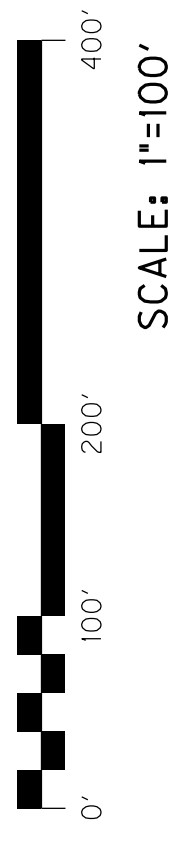


WIRING SCHEDULE

| FROM | TO | WIRE SIZE |
|-----------|------|-----------------------------|
| CKT #6-15 | JBA3 | 6-15-5-B-15-25 WIRE - NO. 8 |
| | | 6-15-5-B-15-25 WIRE - NO. 8 |
| | | 6-15-6-B-15-25 WIRE - NO. 8 |
| | | 6-15-7-B-15-25 WIRE - NO. 8 |
| | | 6-15-8-B-15-25 WIRE - NO. 8 |

WIRING SCHEDULE

| FROM | TO | WIRE SIZE |
|-----------|------|-----------------------------|
| CKT #6-15 | JBA3 | 6-15-5-B-15-25 WIRE - NO. 8 |
| | | 6-15-5-B-15-25 WIRE - NO. 8 |
| | | 6-15-6-B-15-25 WIRE - NO. 8 |
| | | 6-15-7-B-15-25 WIRE - NO. 8 |
| | | 6-15-8-B-15-25 WIRE - NO. 8 |



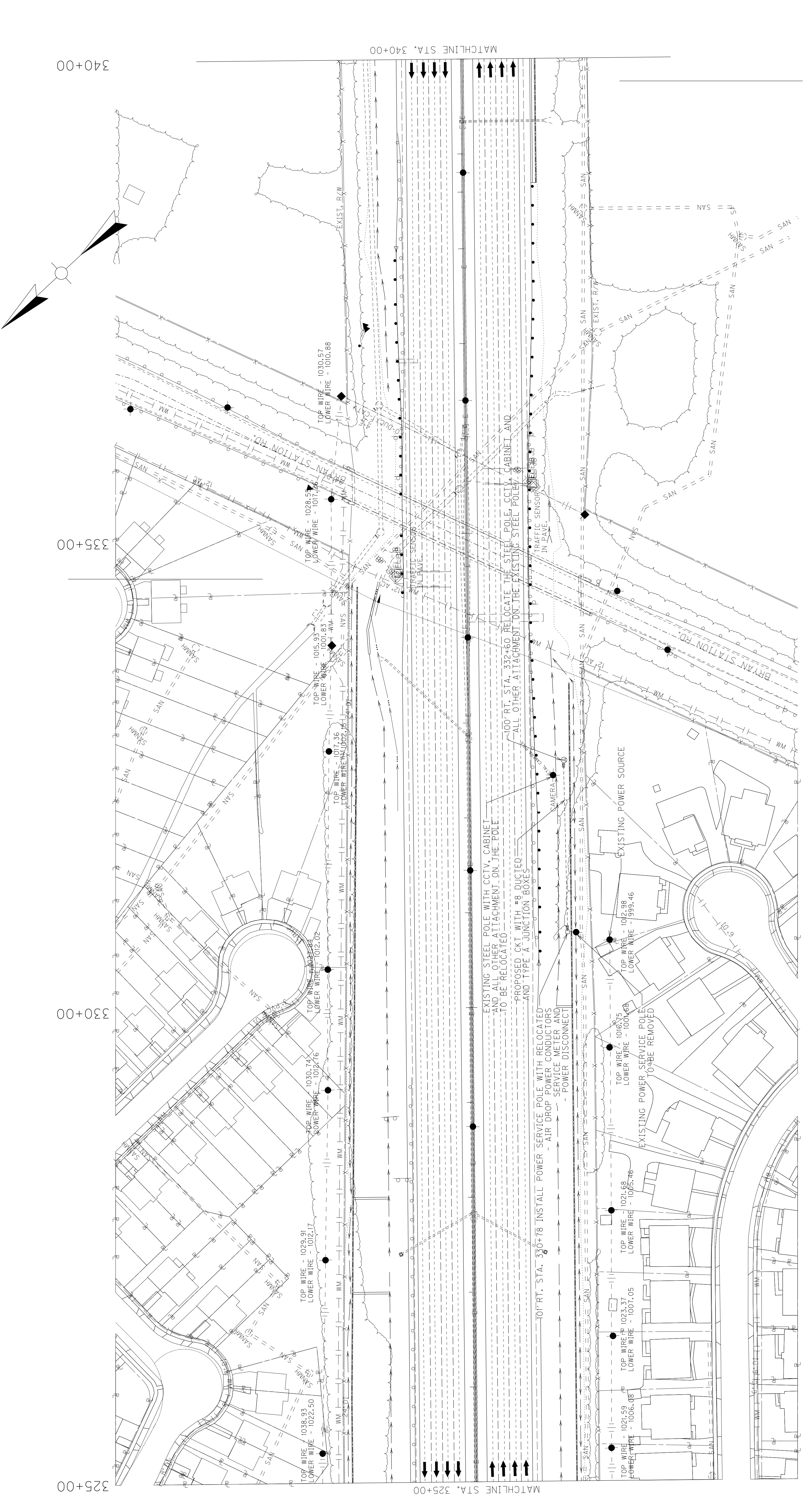
I-64 / I-75
LIGHTING PLAN
STA. 344+00 TO P.O.E.

MATCHLINE STA. 344+00 SEE SHEET T**

QUANTITIES

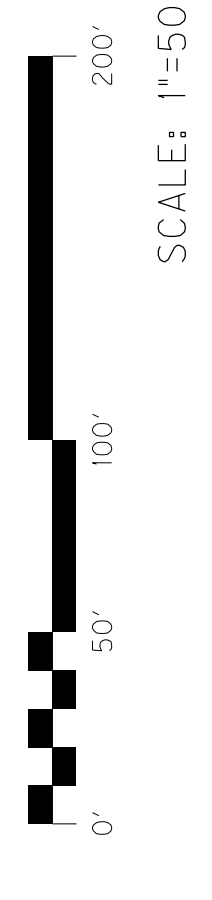
| Camera | RT. STA | TOTAL | UNITS | CODE | ITEM DESCRIPTION |
|--------|---------|-------|--------|------------|--------------------------------|
| 1 | 332+60 | 1 | LP SUM | 20257NC | SITE PREPARATION |
| 1 | | 1 | EACH | 4740 | POLE BASE |
| 182 | | 182 | LF | 4795 | CONDUIT-2 IN |
| 182 | | 182 | LF | 4820 | TRENCHING AND BACKFILLING |
| 202 | | 202 | LF | 4860 | CABLE-NO. 8/3C DUCTED |
| 1 | | 1 | EACH | 4941 | REMOVE POLE BASE |
| 2 | | 2 | EACH | 20391NS835 | ELECTRICAL JUNCTION BOX TYPE A |
| 1 | | 1 | EACH | 24605ED | RELOCATE (WEB CAMERA ASSEMBLY) |
| 50 | | 50 | EACH | 22661EN | INSTALL CCTV CONTROL CABLE |
| 1 | | 1 | EACH | 23225EC | POLE 20 FT MTG HT |
| 1 | | 1 | EACH | 23758EC | ELECTRICAL SERVICE CONNECTION |
| 1 | | 1 | EACH | 23828NC | REMOVE AND RELOCATE CCTV POLE |
| 0 | | 0 | LF | 23837EC | RELOCATE UNDERGROUND ELECTRIC |
| 1 | | 1 | EACH | 23944EC | ADVANCED GROUNDING SYSTEM |

| | | |
|-----------|-----------|-----------|
| COUNTY OF | ITEM NO. | SHEET NO. |
| FAYETTE | 7-8909.30 | T45 |



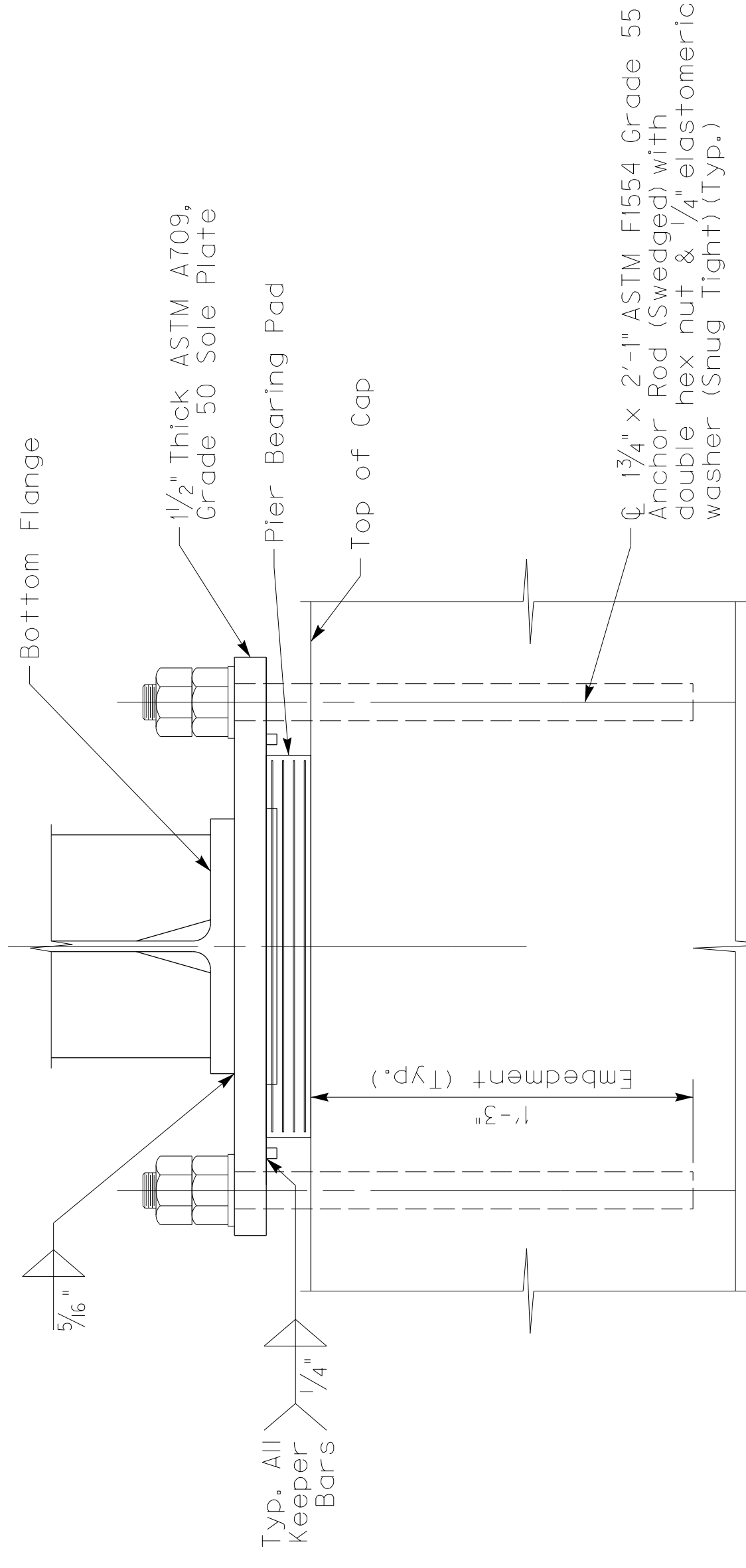
- NOTES:
1. INSTALL 30' SERVICE POLE FOR THE POWER DROP.
 2. INSTALL NEW FOUNDATION FOR THE TO-BE-RELOCATED STEEL POLE, AND GROUNDING SYSTEM.
 3. INSTALL UNDERGROUND CONDUIT, JUNCTION BOXES AND CONDUCTORS.
 4. RELOCATED THE METER AND DISCONNECT TO THE NEW SERVICE POLE, AND REMOVE EXISTING SERVICE POLE.
 5. RELOCATED EXISTING STEEL POLE CCTV, CABINET AND ALL ATTACHMENT TO THE PROPOSED LOCATION.
 6. RE-CONNECT THE POWER AND WIRELESS COMMUNICATION FOR THE WEB CAMERA.
 7. CONTRACTOR TO COORDINATE WITH KYTC FOR THE WEB CAMERA DOWN TIME REQUIREMENT.

I-64/I-75
WEB CAMERA
RELOCATION PLAN



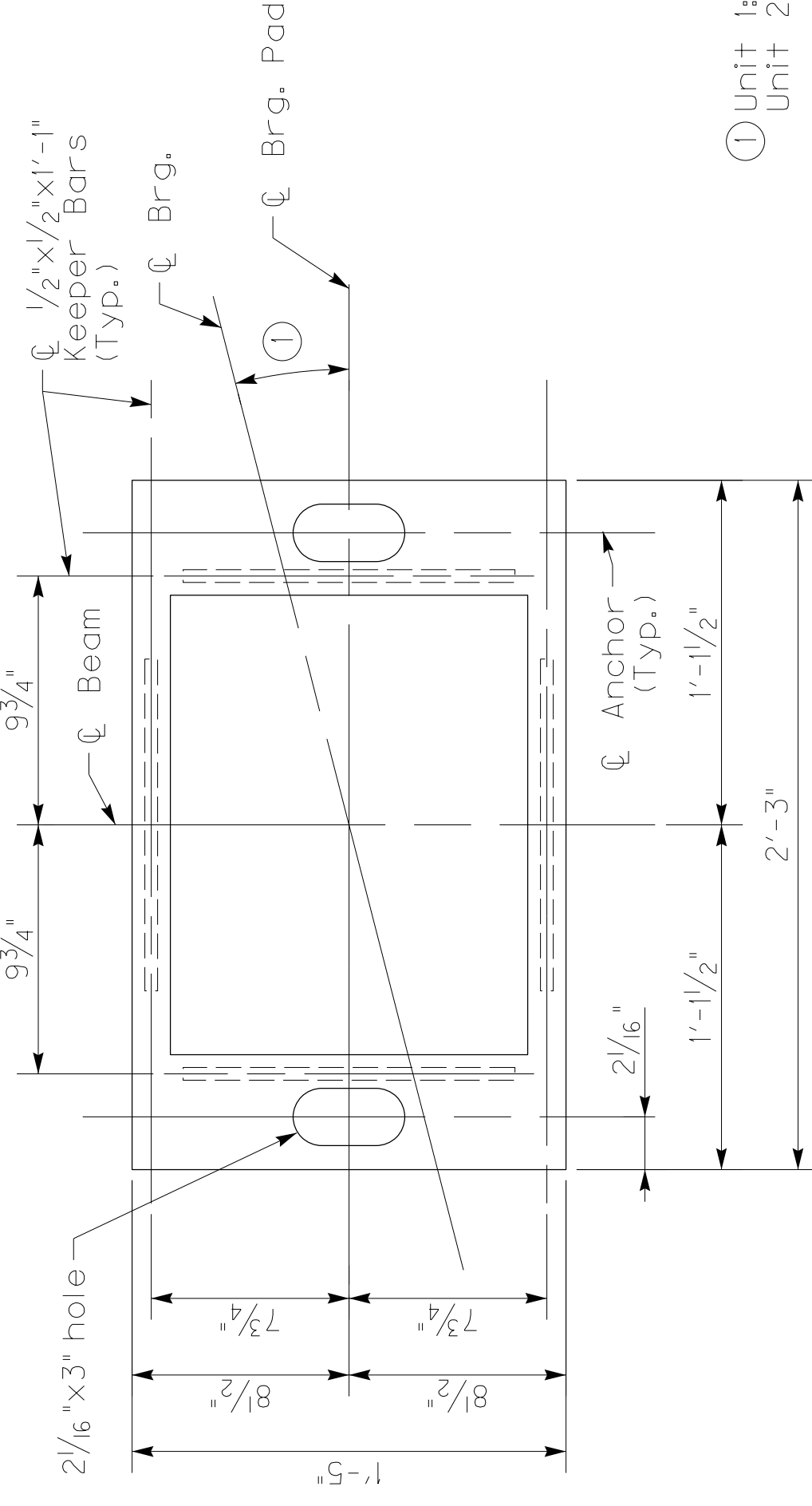
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E-SHEET NAME: MFC054t10n V8.11.9.919

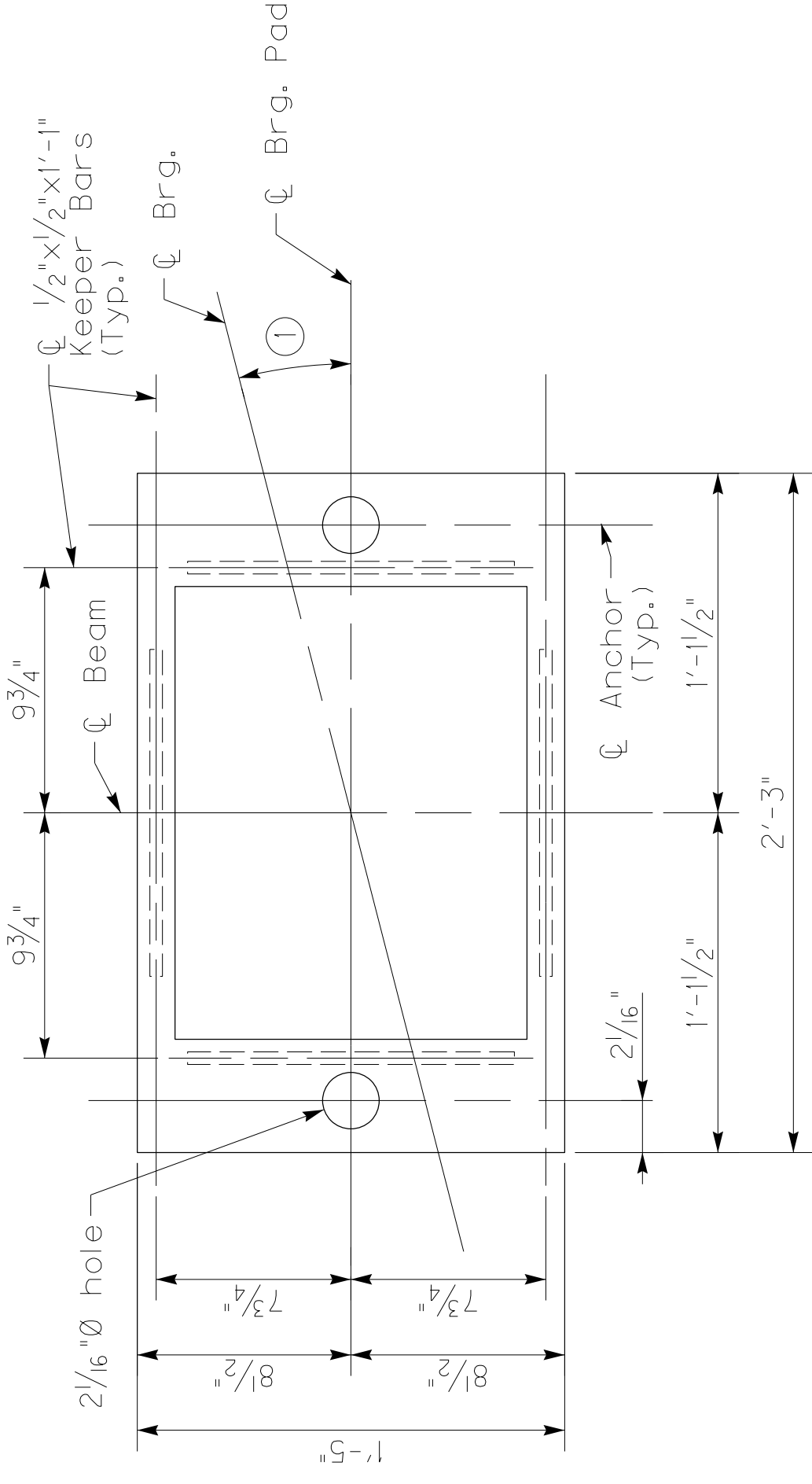


BEARING ASSEMBLY

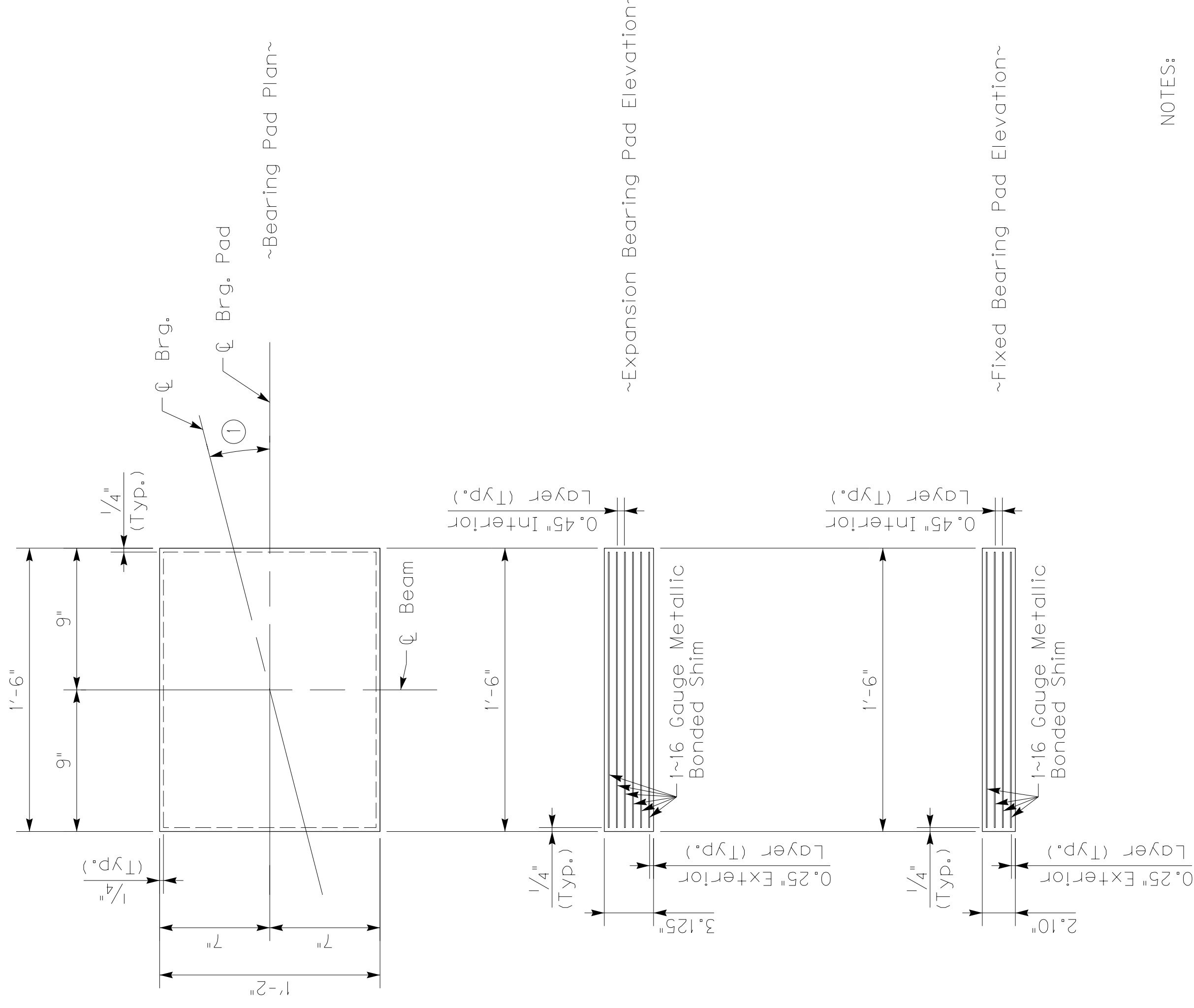
Note: Install lower nut in contact with top plate and then back off 1/2 turn. Install upper nut snug tight to prevent lower nut from loosening.



EXPANSION SOLE PLATE PLAN



FIXED SOLE PLATE PLAN



NOTES:

SPECIFICATIONS: Elastomeric Bearing Pads shall conform to the design and dimensions as shown on these drawings, and shall conform to the AASHTO LRFD Bridge Construction Specifications, Section 18, unless otherwise noted.

The bearing's elastomer shall have a hardness of 50 durometer with a shear modulus of between 95 & 130 psi., and shall be subjected to the load test requirements corresponding to Design Method A, Low temperature testing of the bearing material is required.

The placement and orientation of each pad within its group shall be marked, or otherwise shown, by the manufacturer.

Contrary to AASHTO Bridge Construction Specifications, Section 18.2.3 the raw elastomer material shall be virgin Neoprene (polychloroprene), Natural Rubber (polysoprene) will not be allowed.

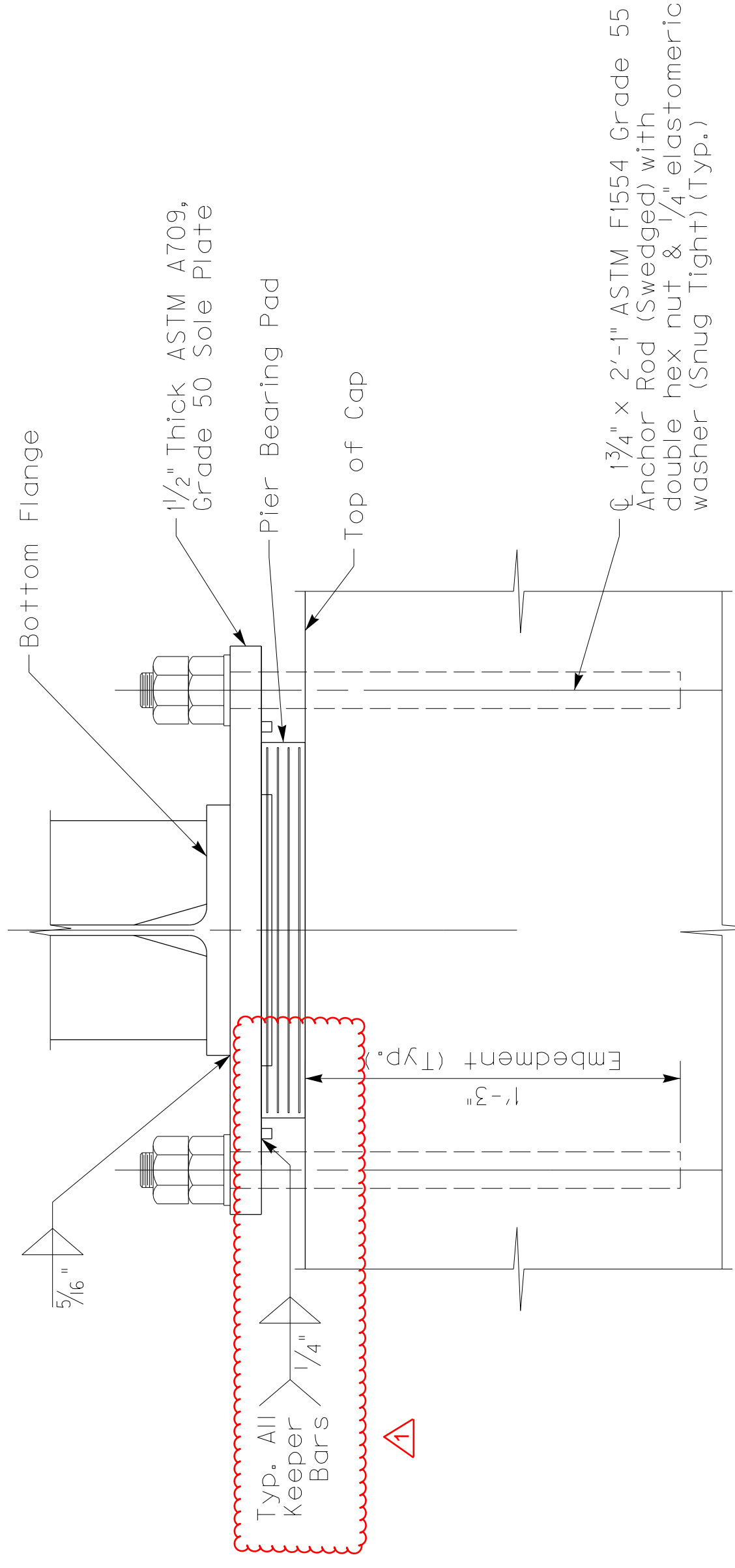
Before final erection of the structural steel, the contractor shall establish centerline bearing of the substructures by survey and Roadway Stationing. These bearing pad groups shall be placed upon the substructures according to this established line.

The cost of the bearing pads is to be included in the lump sum bid for structural steel. This includes the lead plates required at the Integral End Bents.

Pneumatic drilling is permitted to place anchor rods.

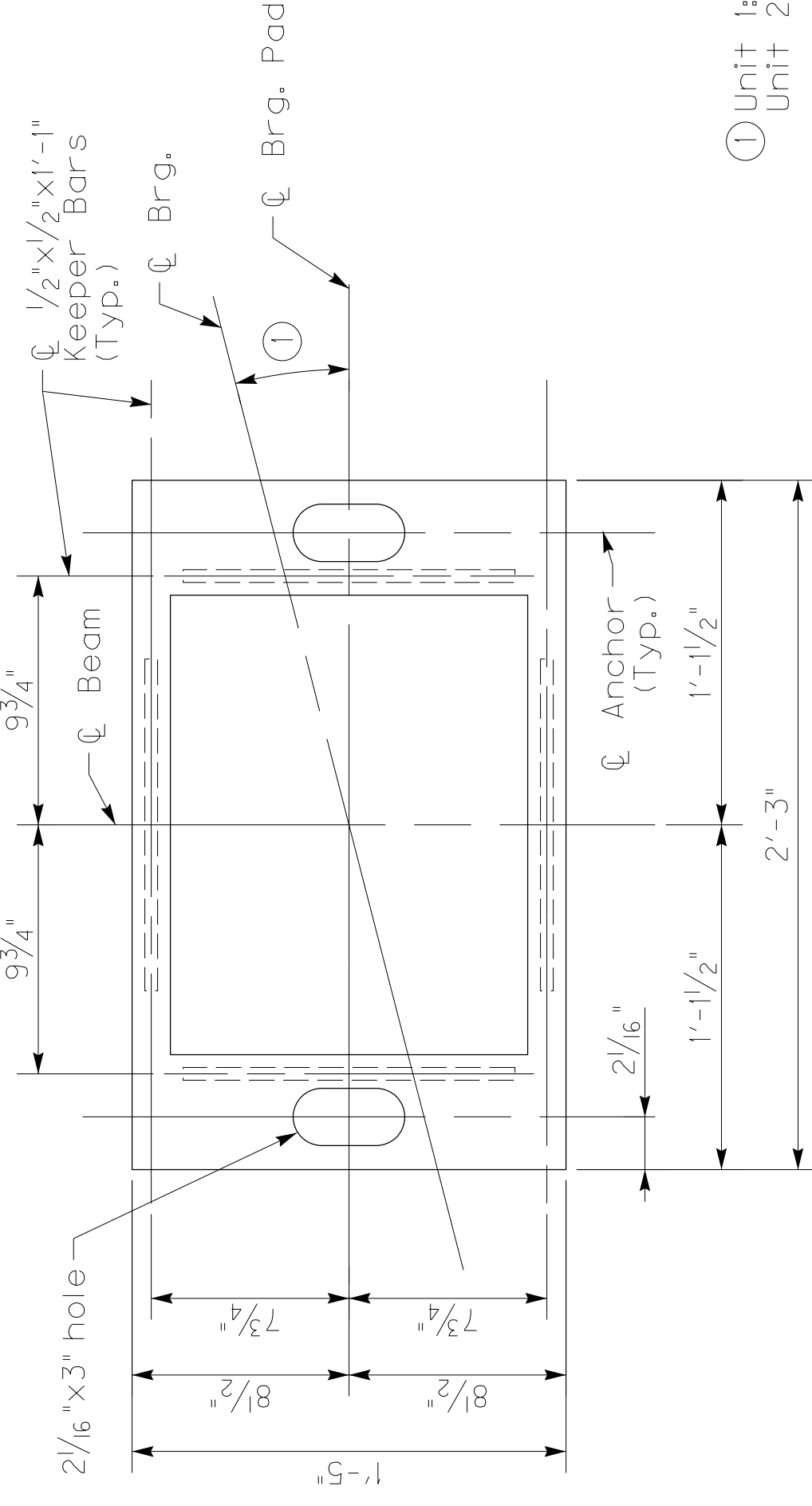
ELASTOMERIC BEARING PAD ASSEMBLY

| | | | | | | | | |
|---|--|---|---|---|--|---------------------------|---|---|
| COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS | | PREPARED BY | DATE: January 2024 DESIGNED BY: T. Swietlerman DETAILED BY: L. Decker | CHECKED BY L. Miller T. Swietlerman | BEARING DETAILS CROSSING PARIS PIKE, RJ CORMAN RR & OLD PARIS RD | ROUTE I-64/I-75 | ITEM NO. 7-8909.30 SHEET NO. S45 | COUNTY OF FAYETTE DRAWING NUMBER 28750 |
| | | USER: WHAGERMA DATE PLOTTED: 3/12/2024 | FILE NAME: S28750_045 | | | | | |

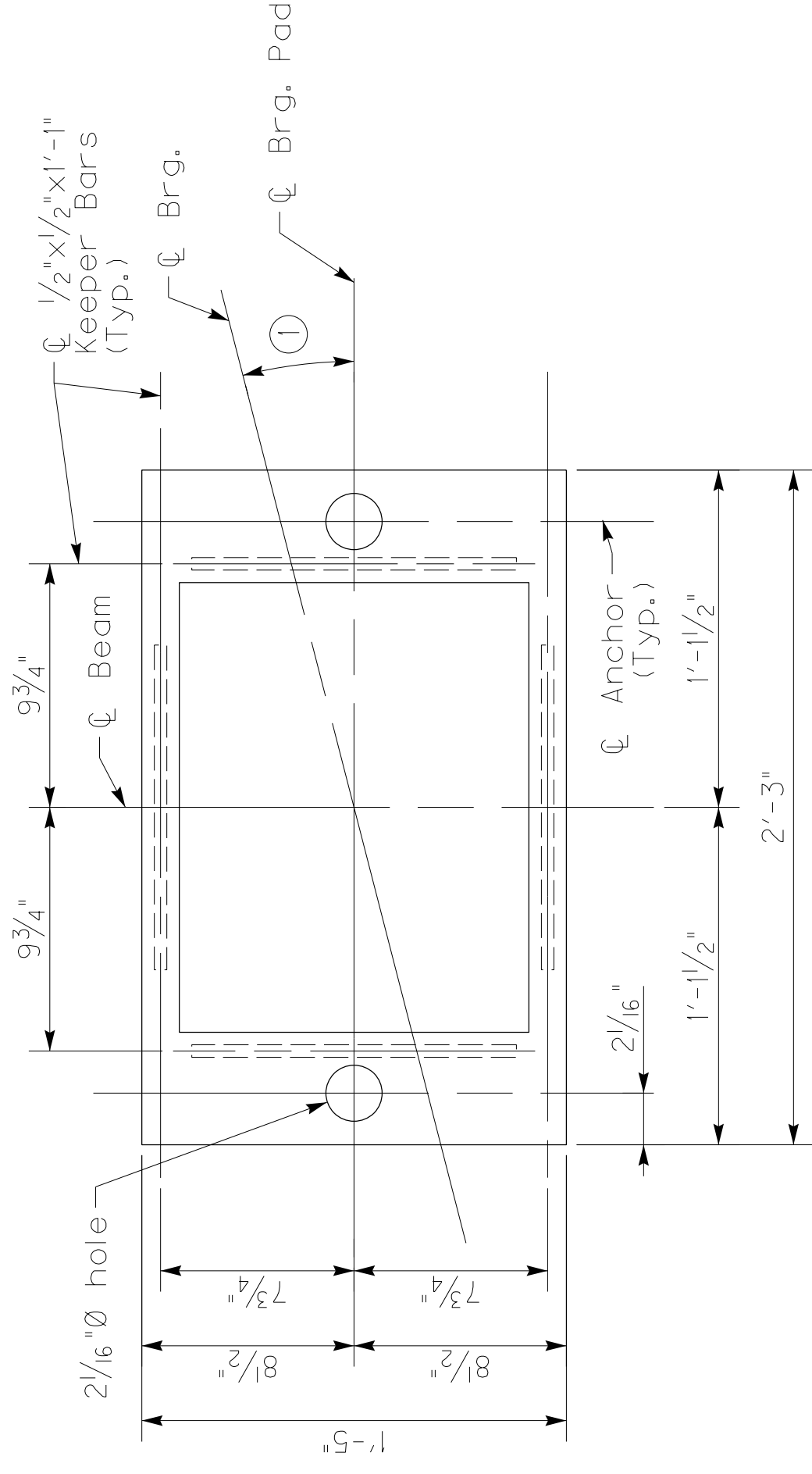


BEARING ASSEMBLY

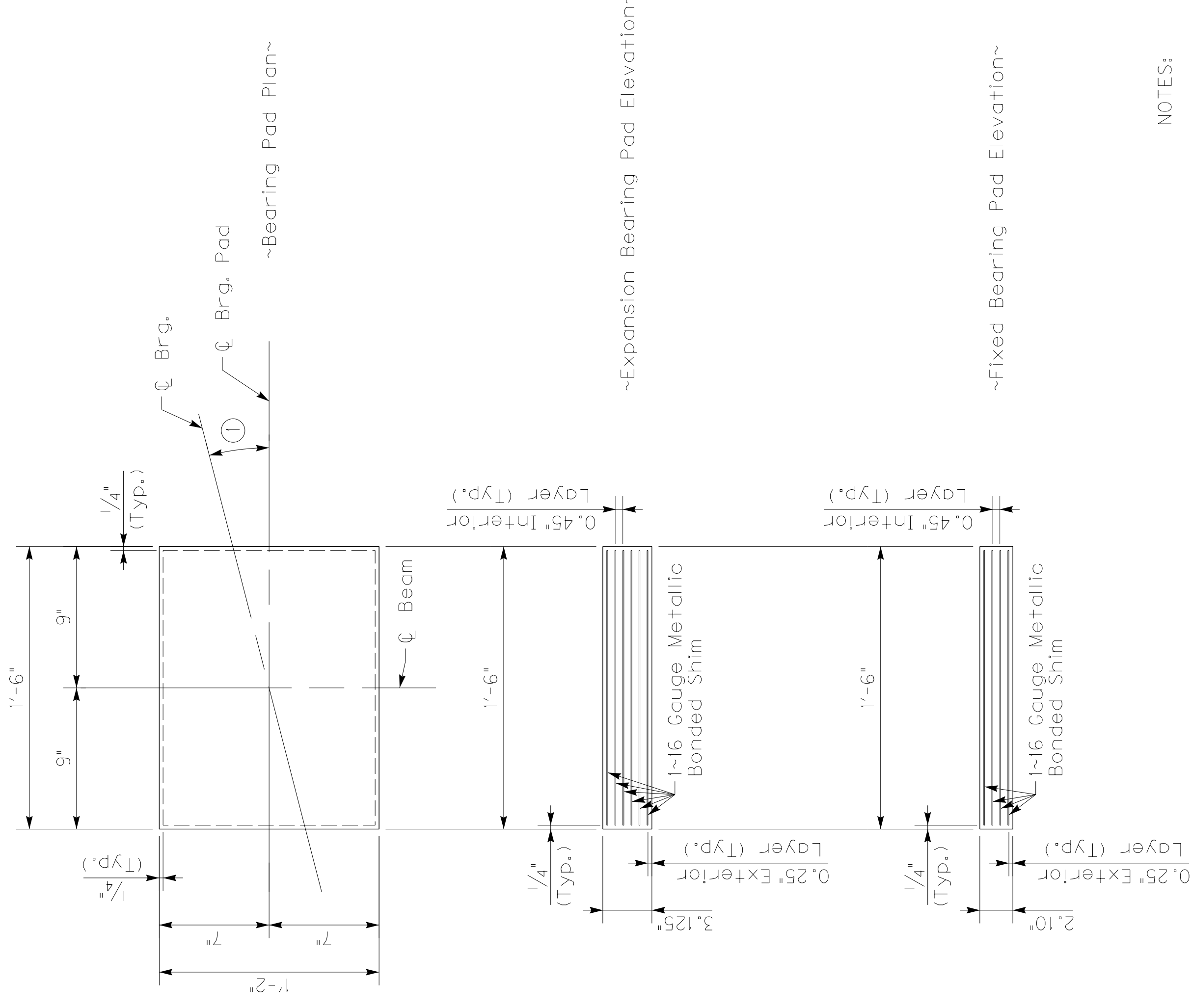
Note: Install lower nut in contact with top plate and then back off 1/2 turn. Install upper nut snug tight to prevent lower nut from loosening.



EXPANSION SOLE PLATE PLAN



FIXED SOLE PLATE PLAN



NOTES:

SPECIFICATIONS: Elastomeric Bearing Pads shall conform to the design and dimensions as shown on these drawings, and shall conform to the AASHTO LRFD Bridge Construction Specifications, Section 18, unless otherwise noted.

The bearing's elastomer shall have a hardness of 50 durometer with a shear modulus of between 95 & 130 psi, and shall be subjected to the load test requirements corresponding to Design Method A, Low Temperature Testing of the bearing material is required.

The placement and orientation of each pad within its group shall be marked, or otherwise shown, by the manufacturer.

Contrary to AASHTO Bridge Construction Specifications, Section 18.2.3 the raw elastomer material shall be virgin Neoprene (polychloroprene), Natural Rubber (polysoprene) will not be allowed.

Before final erection of the structural steel, the contractor shall establish centerline bearing of the substructures by survey and Roadway Stationing. These bearing pad groups shall be placed upon the substructures according to this established line.

The cost of the bearing pads is to be included in the lump sum bid for structural steel. This includes the lead plates required at the Integral End Bents.

Pneumatic drilling is permitted to place anchor rods.

ELASTOMERIC BEARING PAD ASSEMBLY

| | | | | | | | | |
|---|-------------------------|--|----------------------|---|--|------------------------------|--------------------------------|--|
| COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS | | PREPARED BY FDR | DATE January 2024 | CHECKED BY L. Miller | ROUTE I-64/I-75 | ITEM NO. 7-8909.30 | COUNTY OF FAYETTE | |
| | | REVISION Callout welds on keeper bars | DATE 3/12/24 | DESIGNED BY: T. Swietlerman DETAILED BY: L. Decker | CROSSING PARIS PIKE, RJ CORMAN RR & OLD PARIS RD | SHEET NO. S45 | DRAWING NUMBER 28750 | |
| USER: WHAGERMA | DATE PLOTTED: 3/12/2024 | FILE NAME: S28750_045 | | | | | | |