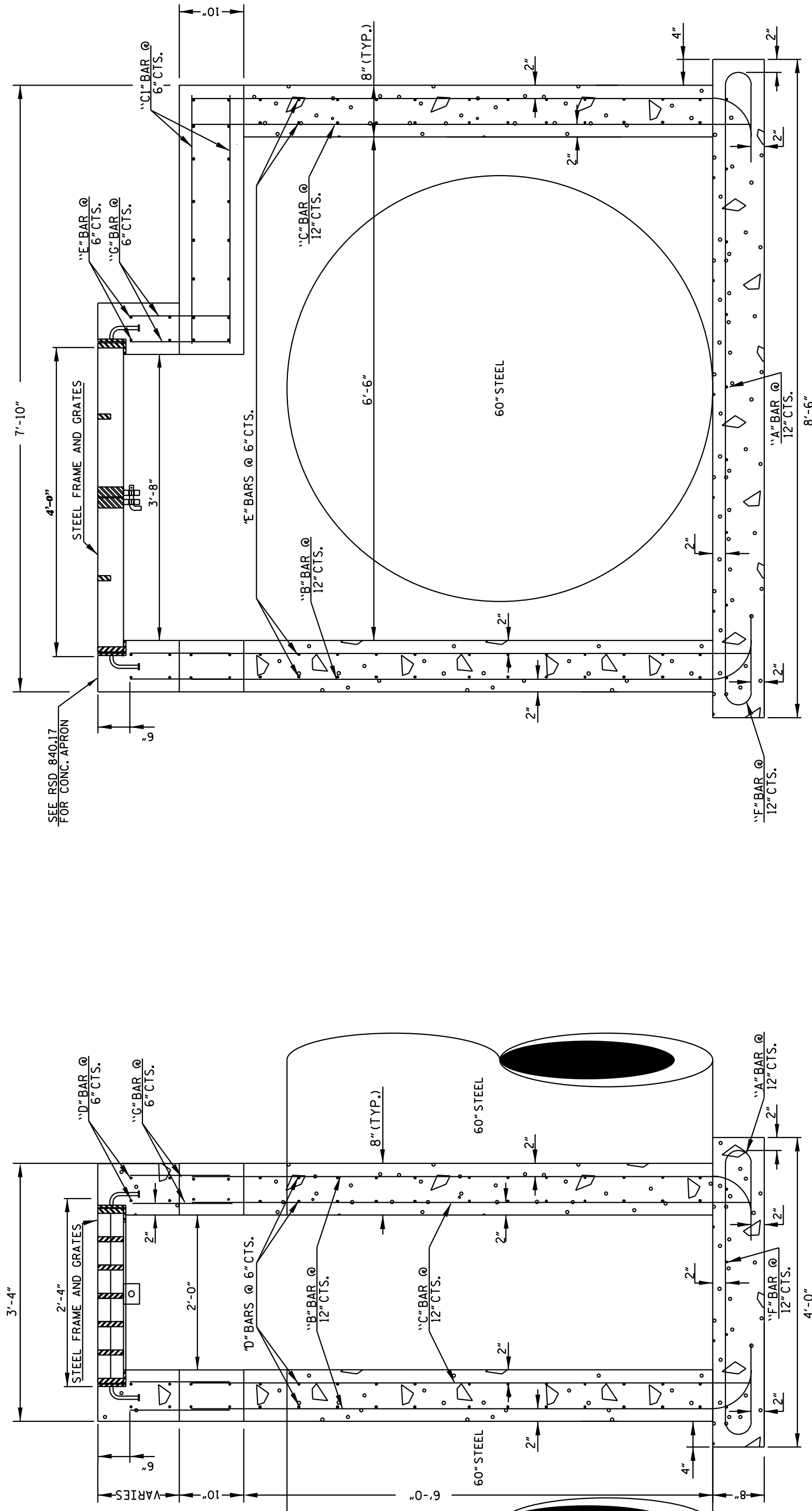


STATE OF NORTH CAROLINA  
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RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR  
TRAFFIC BEARING GRATED INLET  
FOR 60" STEEL PIPES

SHEET 1 OF 2  
840D36



- GENERAL NOTES:  
 -BUILD WITH CLASS 'AA' CONCRETE CORNERS 3"  
 -CHAMFER ALL CORNERS OF CONCRETE BOTTOM SLAB.  
 -USE WEDGES TO CONSTRUCT THE BOTTOM SLAB.  
 -IF PIPES ARE SET IN THE BASE, FOLLOW CONSTRUCTION  
 PROCEDURES SHOWN BY STD. DWG. 840.00.  
 -PRECAST UNITS CONCRETE MAY BE CONCRETE  
 USED IN THE FIELD.  
 -REFERENCE STD. DWG. 840.31 FOR FRAME ANCHORAGE.  
 -PROVIDE DROP INLETS OVER 3'-6" DEEP WITH STEPS AS  
 DIRECTED BY STD. DWG. 840.66.  
 -FRAME AND GRATES ARE SEPARATE CONTRACT ITEM.
- NOTES:  
 -HORIZONTAL (UP TO 10" MAX. IN BOTH DIRECTIONS) AND VERTICAL (UP TO 14" MAX.)  
 DIMENSIONS MAY BE ADJUSTED AS THE FIELD CONDITIONS AND/OR ALTERNATE DESIGNS  
 REQUIRE.  
 -ALL ADJUSTMENTS ARE TO BE MADE AS DIRECTED BY THE ENGINEER.

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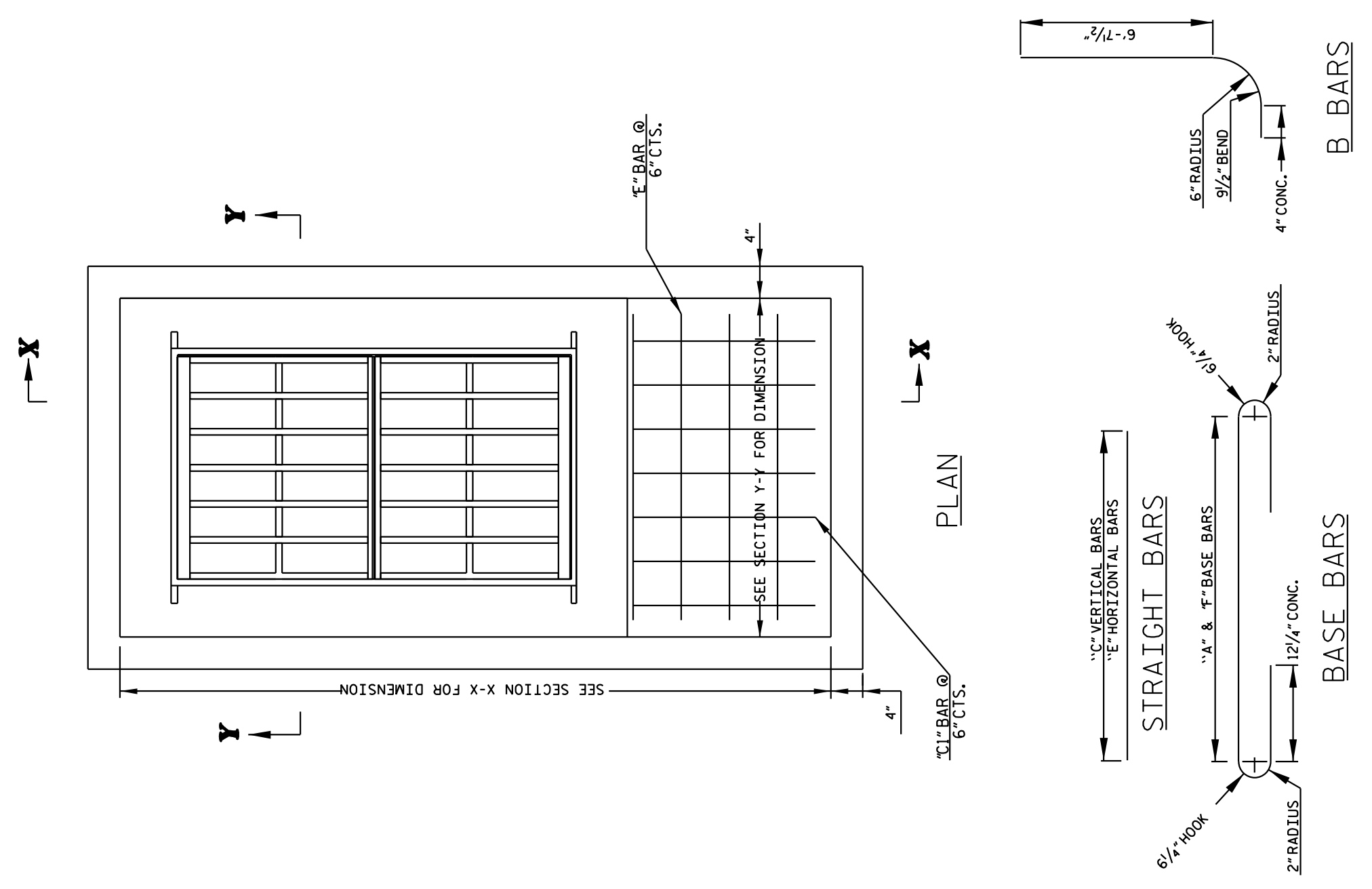
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SHEET 2 OF 2  
840D36



**BILL OF MATERIALS**

| BAR                                               | SIZE | LENGTH  | QUANTITY | WEIGHT |
|---------------------------------------------------|------|---------|----------|--------|
| A                                                 | #5   | 6'-5"   | 9        | 60     |
| B                                                 | #5   | 7'-9"   | 22       | 178    |
| C                                                 | #5   | 7'-2"   | 22       | 164    |
| D                                                 | #5   | 3'-2"   | 7        | 23     |
| E                                                 | #5   | 7'-6"   | 64       | 501    |
| F                                                 | #5   | 3'-0"   | 76       | 238    |
| G                                                 | #5   | 10'-11" | 4        | 46     |
|                                                   |      |         | 60       | 99     |
| REINF. STEEL (TOTAL WEIGHT LBS.)                  |      |         |          | 1309   |
| CONCRETE (TOTAL CU.YDS.) CLASS 'AA'               |      |         |          | 5.1    |
| NO DEDUCTIONS HAVE BEEN MADE TO ACCOMMODATE PIPES |      |         |          |        |

FOR EVERY 1 FOOT OF RISER USE 0.41 CU.YDS CONCRETE AND 151 LBS STEEL.

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SHEET 2 OF 2  
840D36

PROJECT REFERENCE NO. 1-5987B SHEET NO. 2D-5

STRUCTURE DESIGN ENGINEER

North Carolina Professional Engineer  
L. Kevin Austin  
7578372000  
ENGINEER  
KEVIN AUSTIN  
4/29/2022

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

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