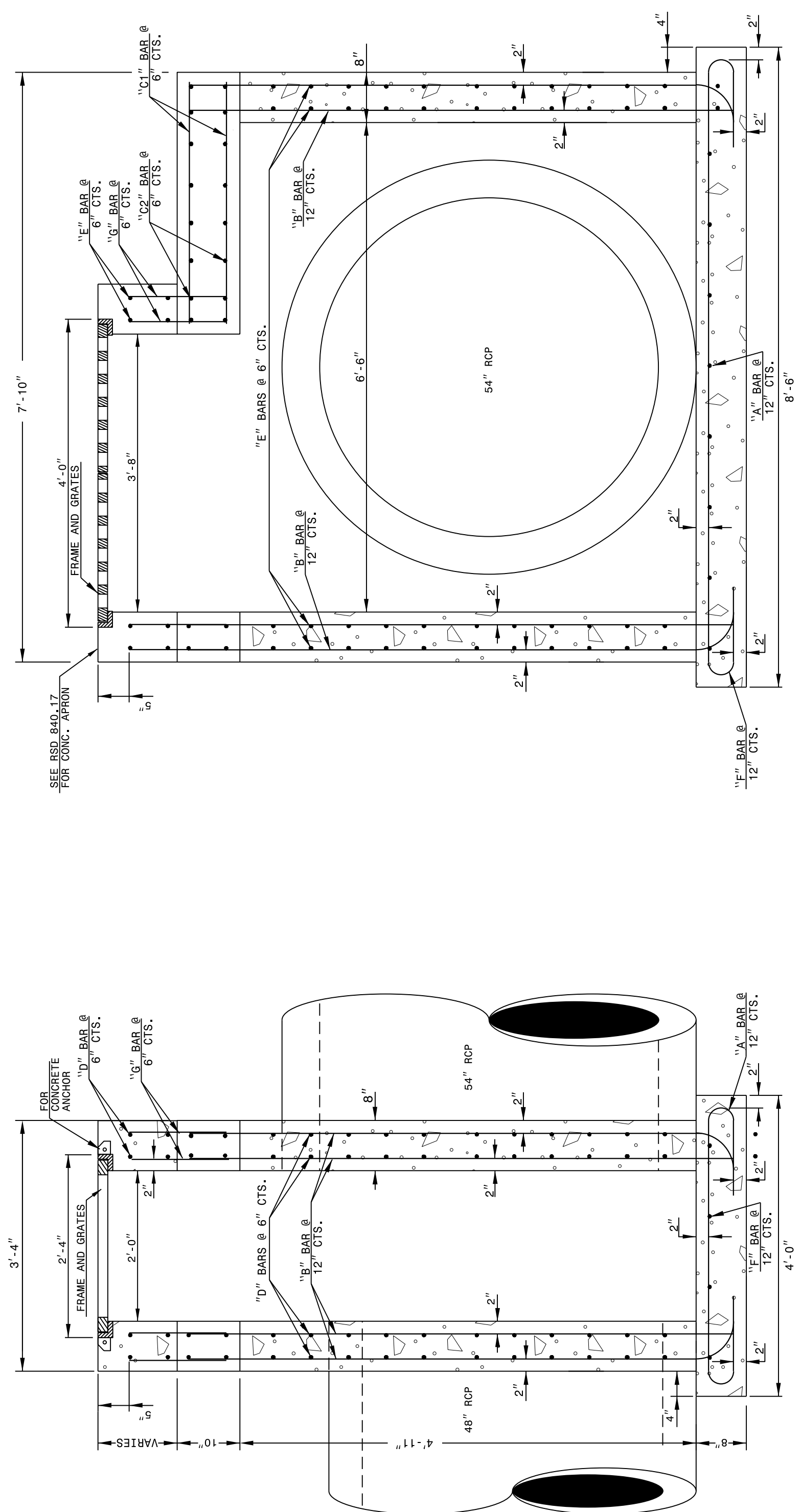


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 Jhowerton AT_CSD-292595

ENGLISH DETAIL DRAWING FOR
TRAFFIC BEARING GRATED INLET
 FOR PIPES UP TO 54"

STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

SHEET 1 OF 2
840D35



SECTION X-X

SECTION Y-Y

- GENERAL NOTES:**
- BUILD WITH CLASS 'AA' CONCRETE
 - CHAMFER ALL EXPOSED CONCRETE CORNERS 3".
 - USE FORMS TO CONSTRUCT THE BOTTOM SLAB.
 - PIPE ANCHORS IN THE BASE, FOLLOW CONSTRUCTION PRACTICES SHOWN IN THE BASE, 840.00.
 - PRECAST UNITS CONCRETE MAY BE USED IN LIEU CAST IN PLACE CONCRETE.
 - REFERENCE STD. DWG. 840.25 FOR FRAME ANCHORAGE.
 - FRAME AND GRATES ARE SEPARATE CONTRACT ITEM.

- NOTES:**
- HORIZONTAL UP TO 10' MAX. IN BOTH DIRECTIONS AND VERTICAL (UP TO 20' 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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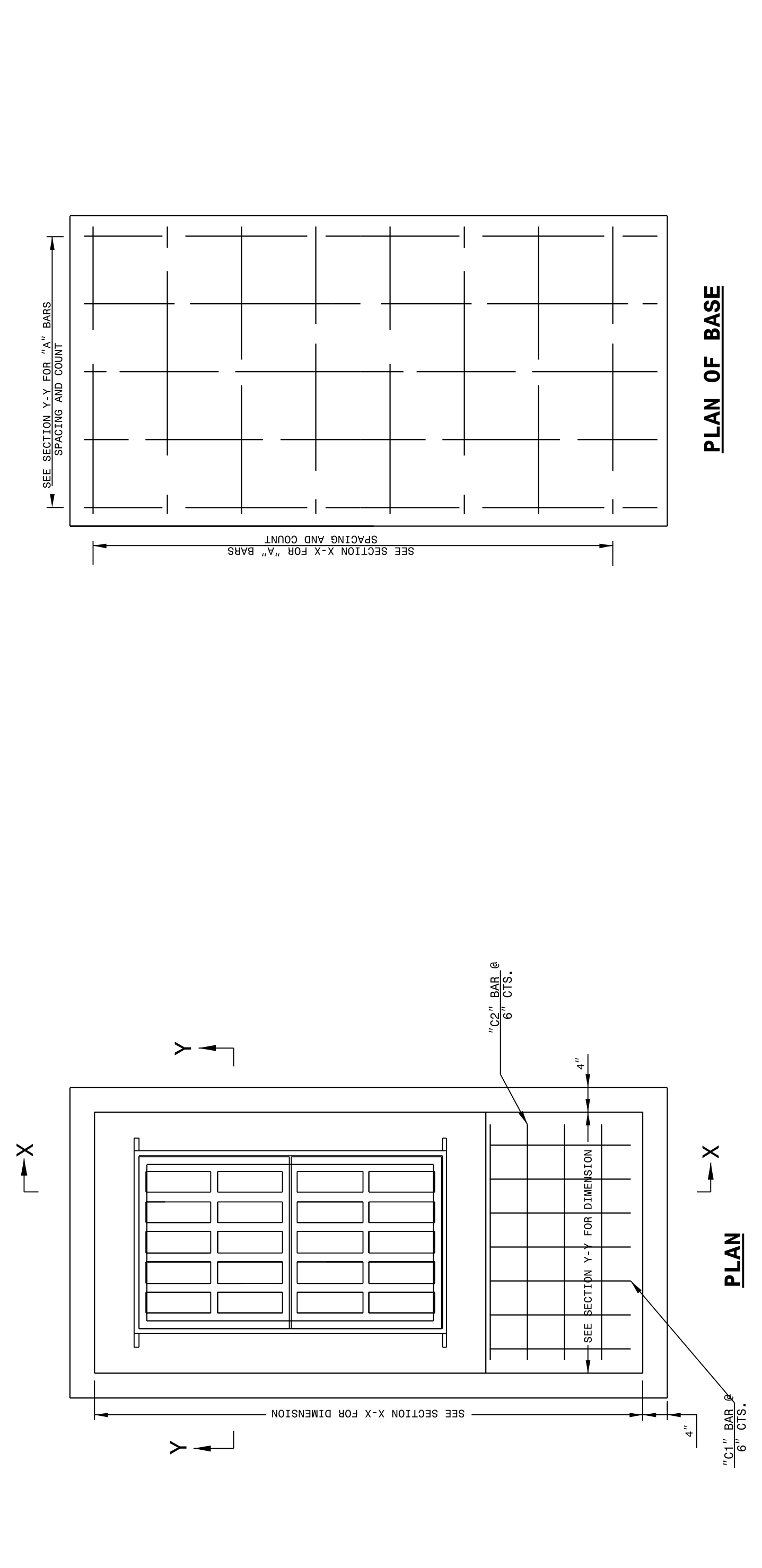
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SHEET 2 OF 2
840D35

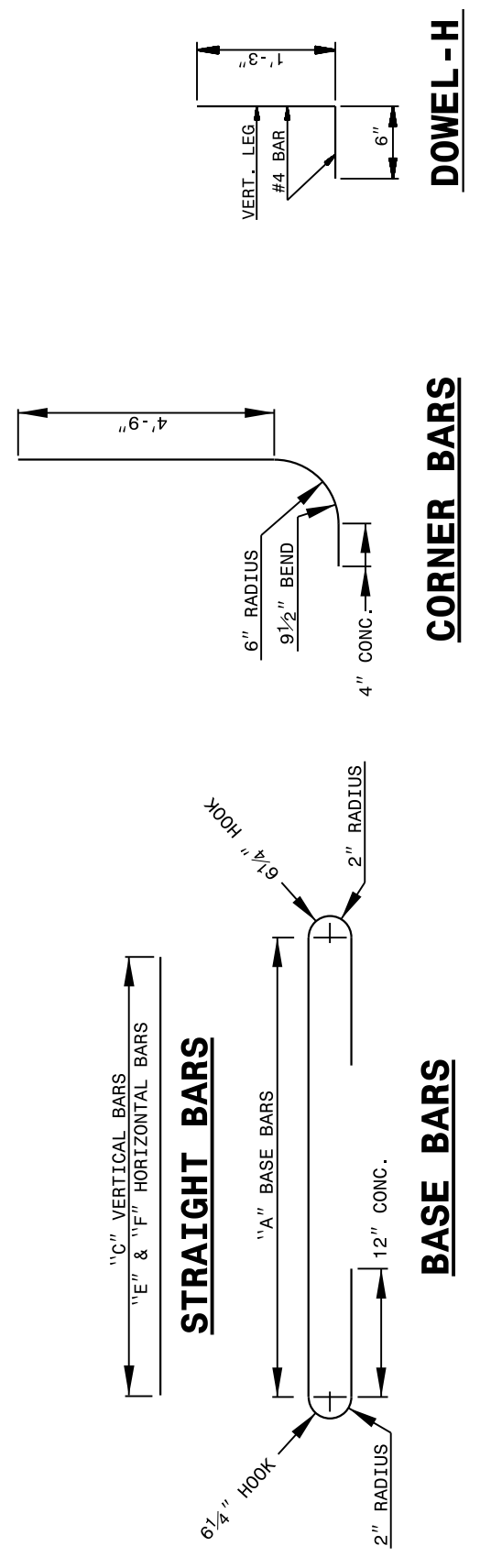


PLAN OF BASE

BILL OF MATERIALS

BAR	SIZE	LENGTH	QUANTITY	WEIGHT
A	#3	5'-0"	42	47
B	#3	7'-6"	104	780
C1	#3	3'-0"	6	32
C2	#3	3'-0"	48	178
D	#5	3'-0"	48	376
E	#5	3'-0"	4	151
F	#5	1'-0"	4	42
G	#5	1'-0"	104	181
REFIN. STEEL (TOTAL WEIGHT LBS.)				1626
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 390 LBS STEEL.



DOWEL-L-H

CORNER BARS

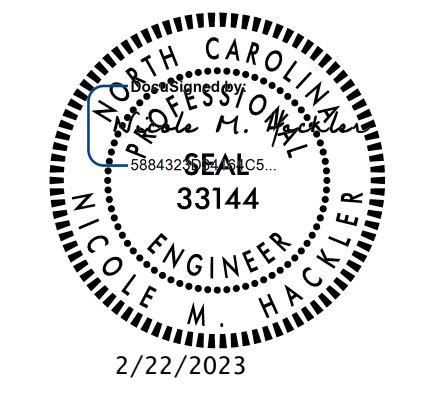
STRAIGHT BARS

BASE BARS

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SHEET 2 OF 2
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DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS
 AND DEVELOPMENT UNIT**
 Office 919-707-6950 FAX 919-250-4119

SEE PLATE FOR TITLE

ORIGINAL BY: K. KEMPF	DATE: 03-03-2015
MODIFIED BY:	DATE:
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FILE SPEC.: jhowerton/840d35 TBD1 Up to 54in.dgn	