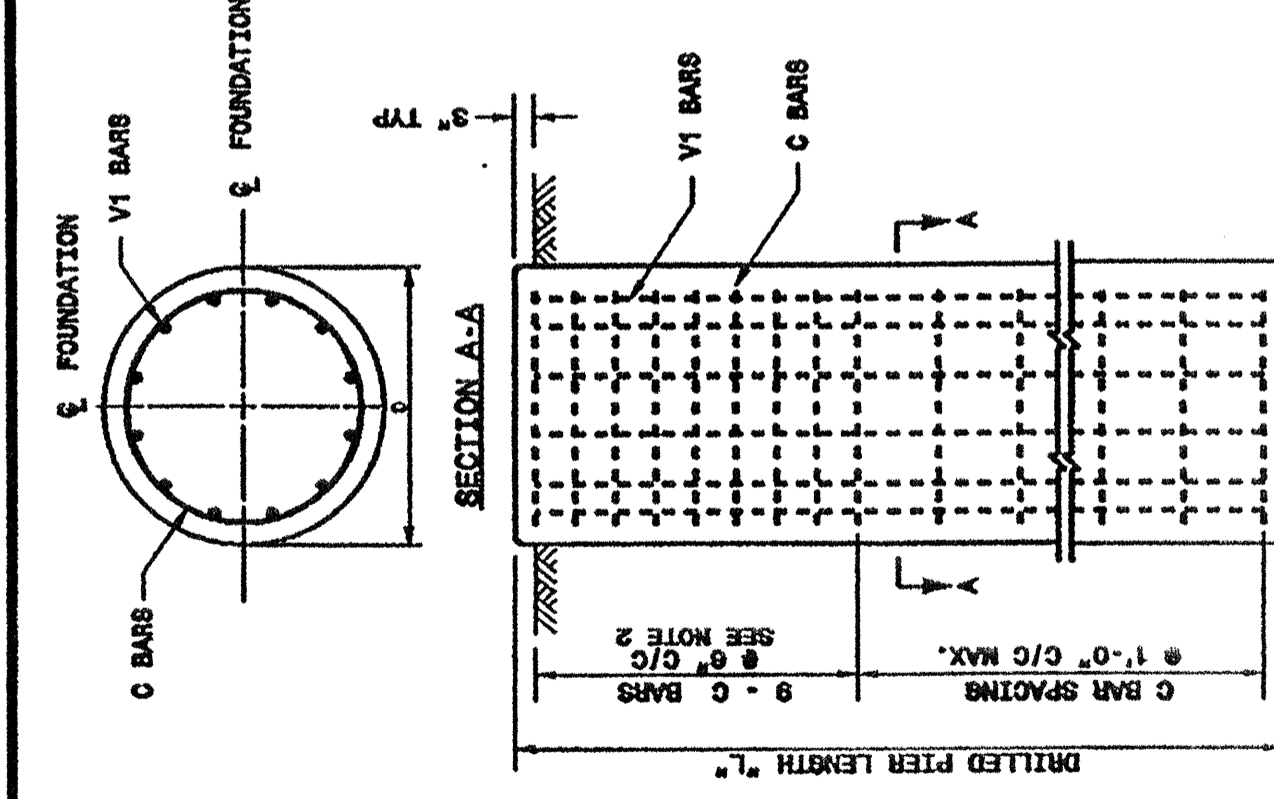


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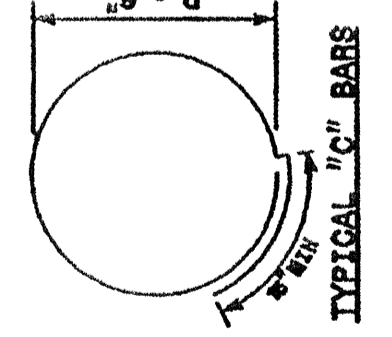
ENGLISH STANDARD DRAWING FOR
METAL POLE FOUNDATIONS
REINFORCING CAGE DETAILS

SHEET 1 OF 2
1742.01



REINFORCING STEEL TABLE FOR STANDARD DRILL PIER SHAFT (42\"/>

Wing No.	Wing Type	Wing Length	Wing Width	Wing Depth	Concrete Volume (Cu. Yds.)
TYPE 1	1-6"	1-0"	8-0"	8-0"	1.2
TYPE 2	1-6"	1-0"	8-0"	8-0"	1.2

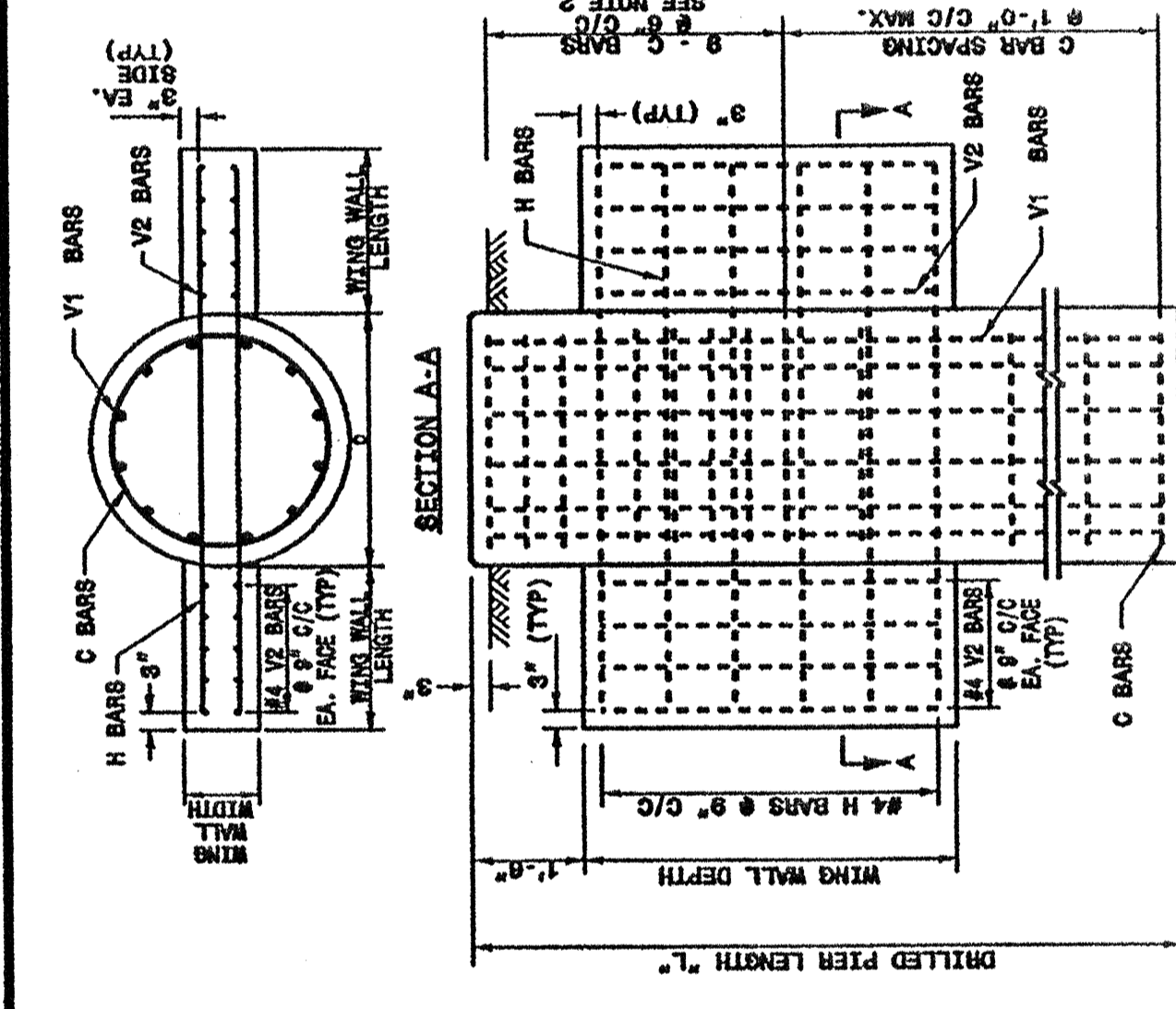


REINFORCING STEEL TABLE FOR STANDARD 42\"/>

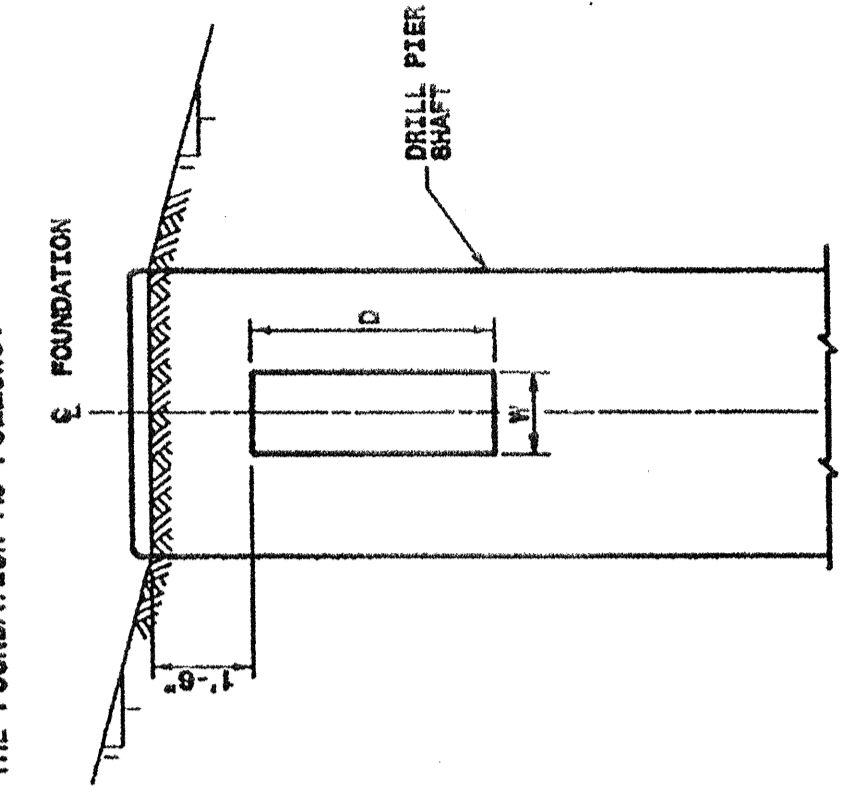
Wing No.	Wing Type	Wing Length	Wing Width	Wing Depth	Concrete Volume (Cu. Yds.)
TYPE 1	42"	42"	42"	42"	1.2
TYPE 2	42"	42"	42"	42"	1.2

WING WALL DETAILS

Wing No.	Wing Type	Wing Length	Wing Width	Wing Depth	Concrete Volume (Cu. Yds.)
TYPE 1	1-6"	1-0"	8-0"	8-0"	1.2
TYPE 2	1-6"	1-0"	8-0"	8-0"	1.2



- NOTES**
1. THE NUMBER OF C-BARS IS BASED ON FOUNDATION DEPTH. SEE FOUNDATION SELECTION TABLES.
 2. CIRCULAR TIE REINFORCING RINGS MAY BE VERTICALLY ADJUSTED BY 1/4\"/>
 3. THE LENGTH OF V1-BARS IS BASED ON FOUNDATION DEPTH. SEE FOUNDATION SELECTION TABLES.
 4. THE QUANTITIES FOR STEEL AND CONCRETE SHOWN IN THIS DRAWING ARE BASED ON THE ASSUMPTION THAT THE AMOUNT OF MATERIAL FOR 1 PAIR OF WING WALLS (2 WING WALLS PER DRILL PIER SHAFT.):
 5. CONCRETE DRILL PIER SHAFT VOLUME (CU. YDS.): FOR 42\"/>
 6. DEFORM REINFORCING STEEL TO CONFORM TO ASTM A615 GRADE 60. TIES MAY BE DEFORMED OR PLAIN.
 7. CAST CONCRETE AGAINST UNDISTURBED SOIL.
 8. DO NOT ERECT TRAFFIC SIGNAL STRUCTURES BEFORE THE CONCRETE IN THE FOUNDATION HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 9. MAKE PROVISIONS FOR DRAINAGE OF WATER FROM INSIDE OF THE METAL SUPPORT.
 10. FOR OTHER DETAILS REGARDING CONSTRUCTION OF CONCRETE FOUNDATION SEE PROJECT SPECIAL PROVISIONS.
 11. IN CASE OF ANY CROSS SLOPES, GRADE AROUND THE FOUNDATION AS FOLLOWS:



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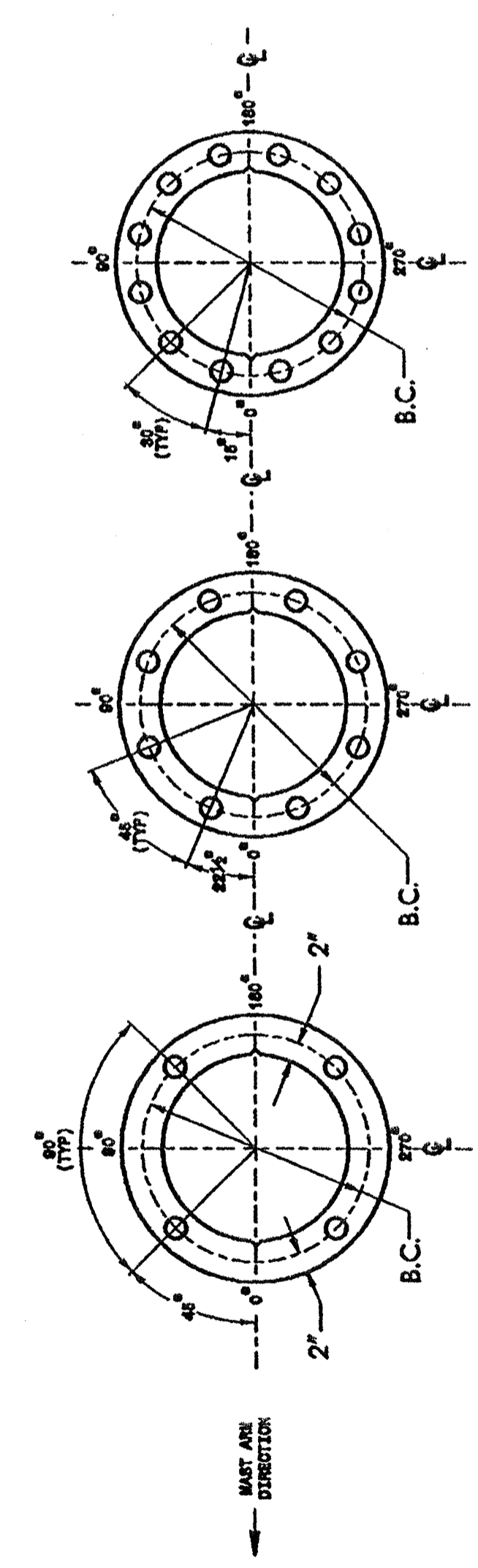
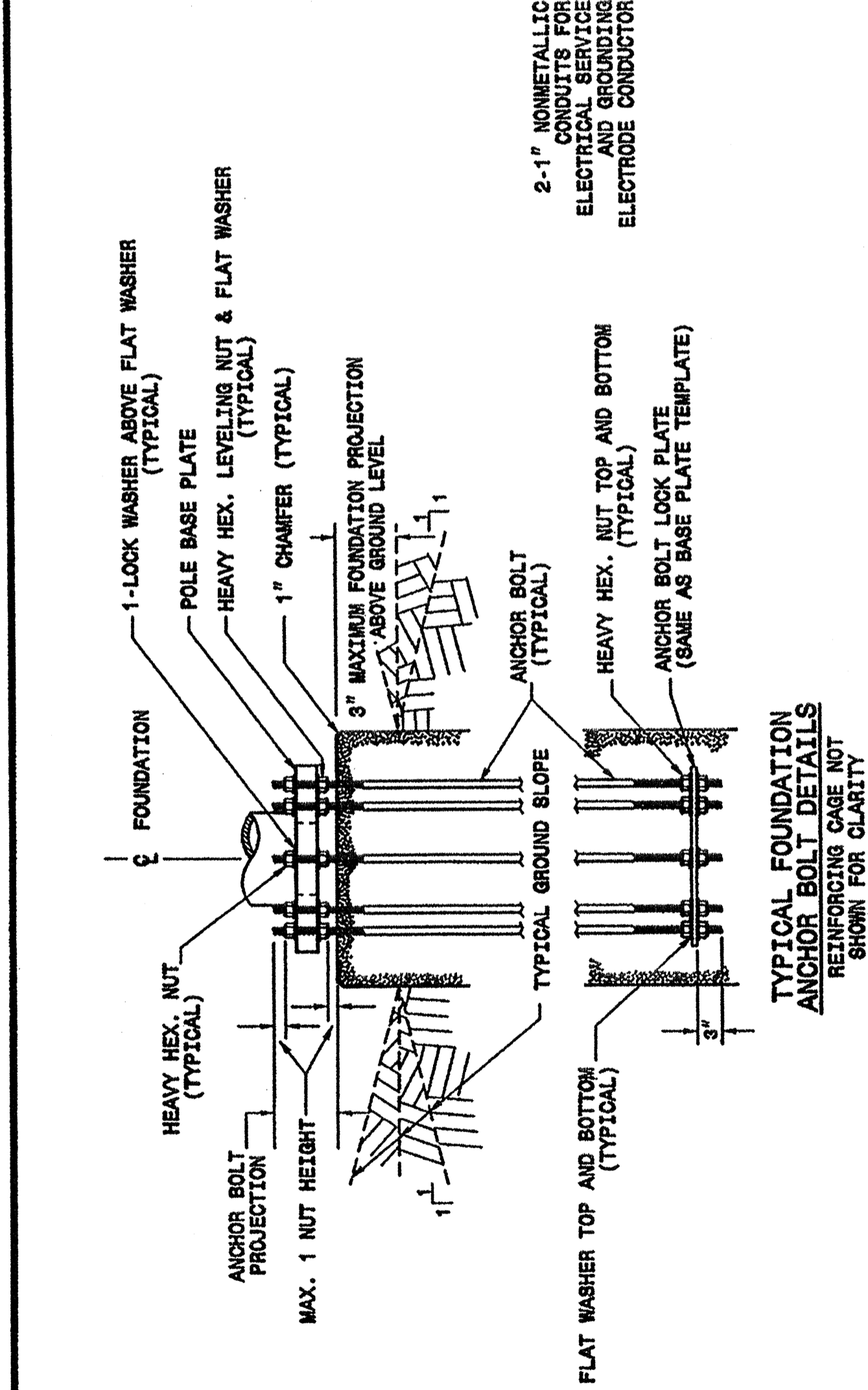
ENGLISH STANDARD DRAWING FOR
METAL POLE FOUNDATIONS
REINFORCING CAGE DETAILS

SHEET 1 OF 2
1742.01

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ENGLISH STANDARD DRAWING FOR
METAL POLE FOUNDATIONS
INSTALLATION DETAILS

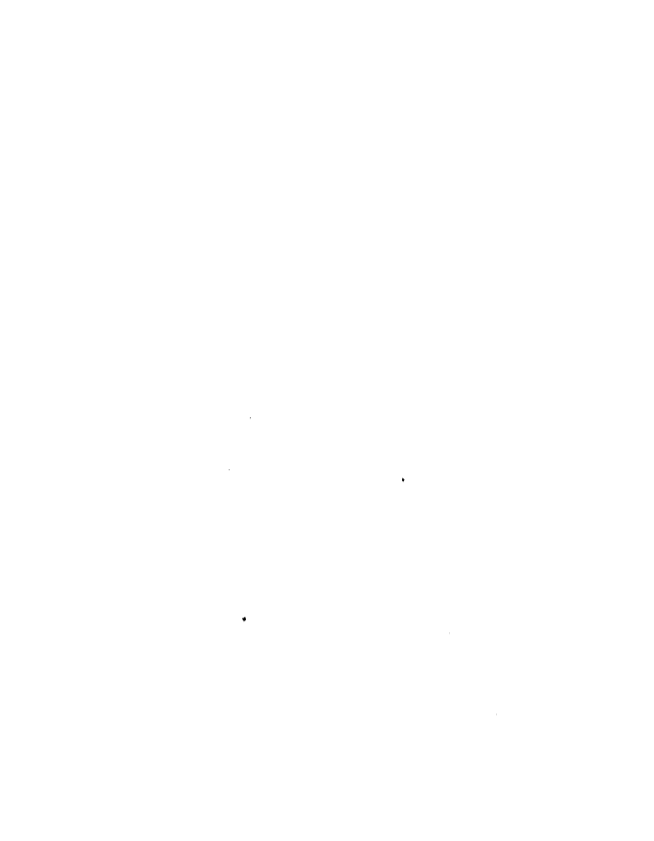
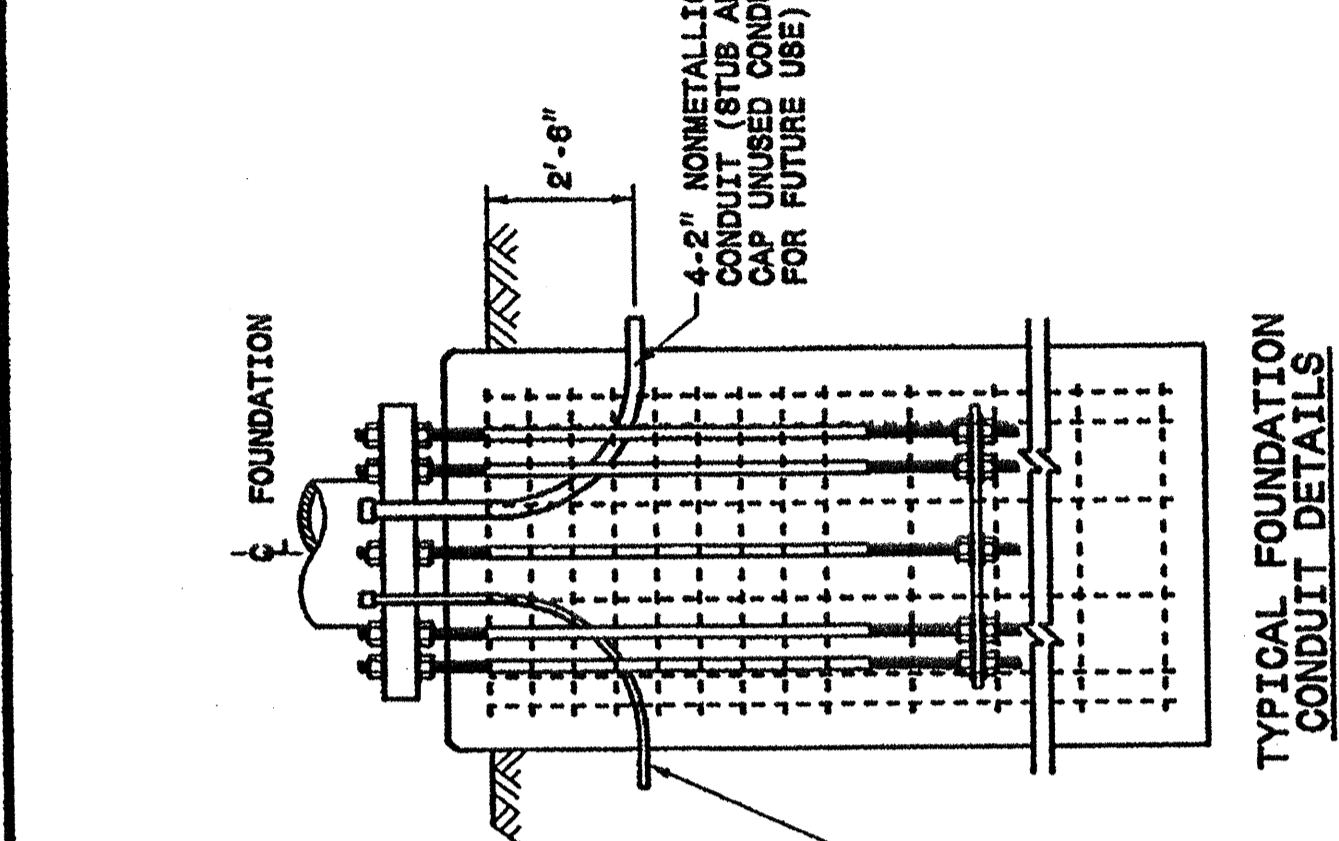
SHEET 2 OF 2
1742.01



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ENGLISH STANDARD DRAWING FOR
METAL POLE FOUNDATIONS
INSTALLATION DETAILS

SHEET 2 OF 2
1742.01



FOR 4 BOLT BASE PLATE FOR 6 BOLT BASE PLATE FOR 12 BOLT BASE PLATE
 CONSTRUCT TEMPLATES AND PLATES FROM 1/4\"/>

Standard Drawings
 Traffic Management and Signal Systems Unit
 122 N. McDowell St., Raleigh, NC 27603

See Plate for Title

Original: 2002 Standards

Structural Engineer

Gregory C. Birkler

Electrical Engineer

Gregory A. Fuller

DATE: 8/20/04