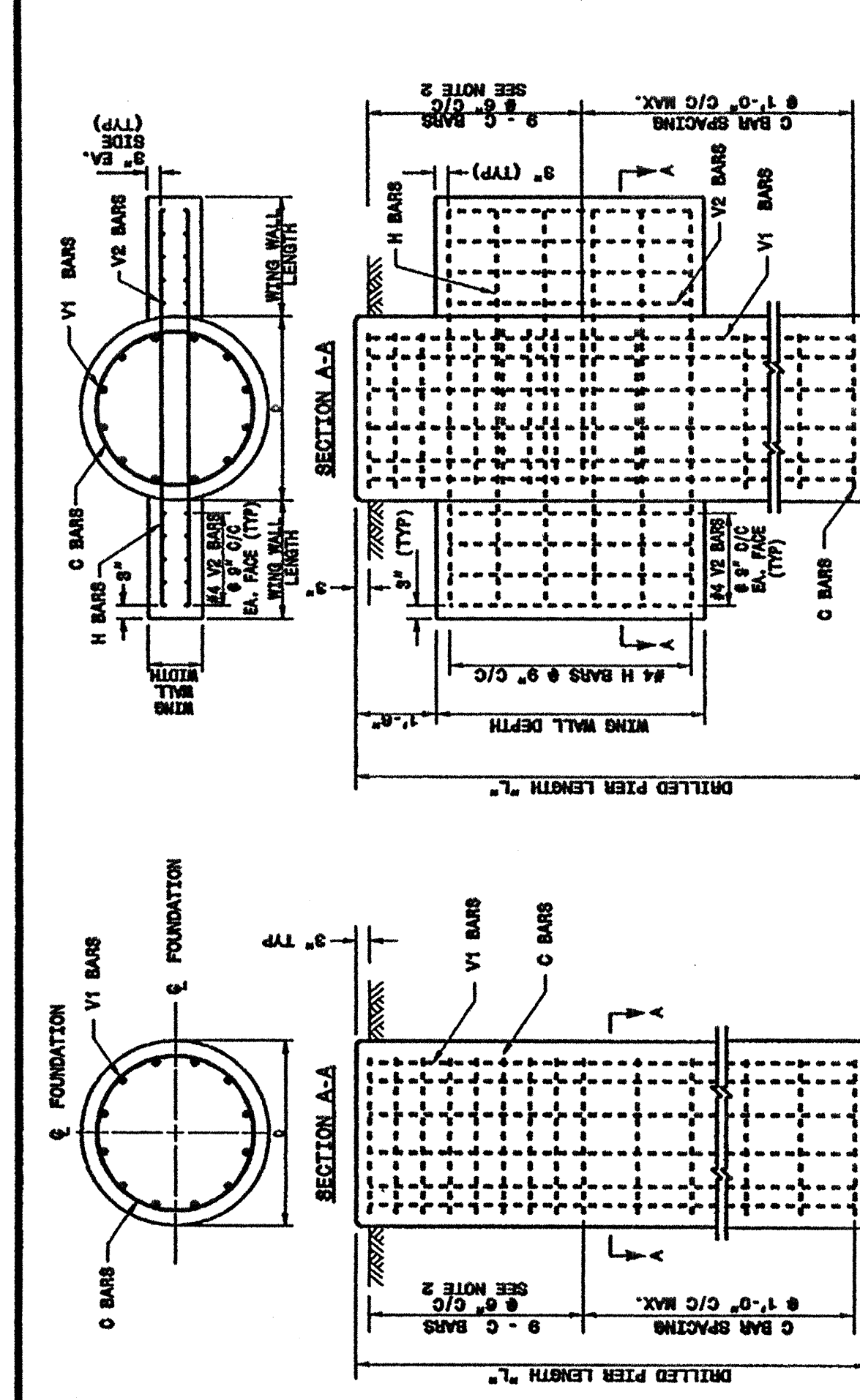


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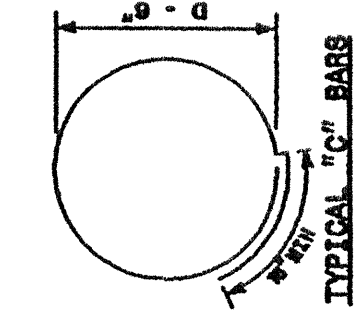
ENGLISH STANDARD DRAWING FOR
METAL POLE FOUNDATIONS
 REINFORCING CAGE DETAILS

SHEET 1 OF 2
1742.01



REINFORCING STEEL TABLE FOR STANDARD 48" DIA. DRILLED PIER SHAFT WITH TYPE 1 AND TYPE 2 WALLS

Wing Wall Spacing (ft)	Wing Wall Spacing (in)	Wing Wall Spacing (mm)	No. of Bars	Bar Size	Bar Spacing (in)	Bar Spacing (mm)	Bar Length (ft)	Bar Length (in)	Bar Length (mm)
48"	48"	1219	4	#5	12"	305	10.0'	120"	3048
48"	48"	1219	4	#5	12"	305	10.0'	120"	3048
48"	48"	1219	4	#5	12"	305	10.0'	120"	3048



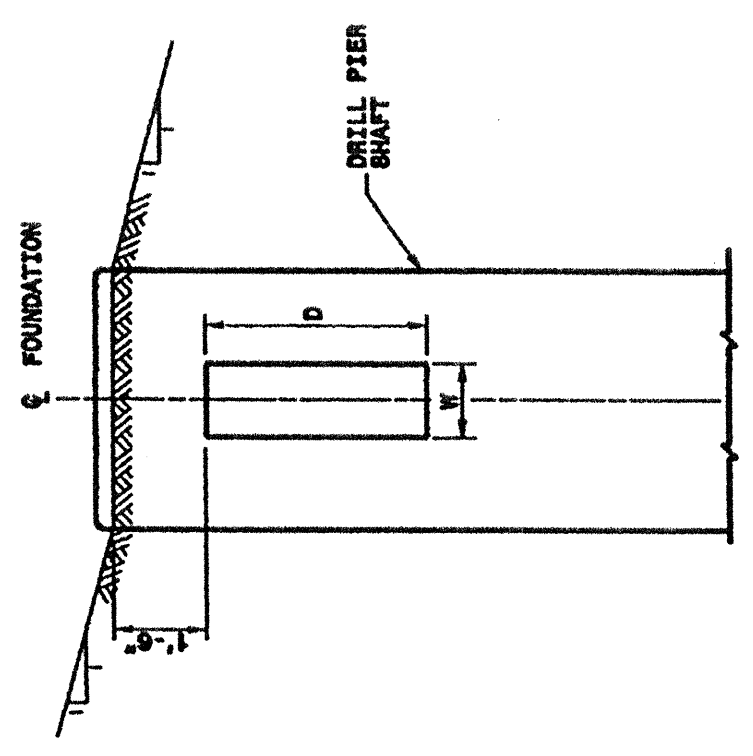
REINFORCING STEEL TABLE FOR STANDARD 48" DIA. DRILLED PIER SHAFT WITH TYPE 1 AND TYPE 2 WALLS

Wing Wall Spacing (ft)	Wing Wall Spacing (in)	Wing Wall Spacing (mm)	No. of Bars	Bar Size	Bar Spacing (in)	Bar Spacing (mm)	Bar Length (ft)	Bar Length (in)	Bar Length (mm)
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WING WALL DETAILS

Wing Wall Spacing (ft)	Wing Wall Spacing (in)	Wing Wall Spacing (mm)	No. of Bars	Bar Size	Bar Spacing (in)	Bar Spacing (mm)	Bar Length (ft)	Bar Length (in)	Bar Length (mm)
48"	48"	1219	4	#5	12"	305	10.0'	120"	3048
48"	48"	1219	4	#5	12"	305	10.0'	120"	3048
48"	48"	1219	4	#5	12"	305	10.0'	120"	3048

- NOTES
1. THE NUMBER OF C-BARS IS BASED ON FOUNDATION DEPTH. SEE FOUNDATION SELECTION TABLES.
 2. CIRCULAR REINFORCING BARS MAY BE VERTICALLY ADJUSTED BY +/- 2" AT A DEPTH BETWEEN 2'-0" AND 3'-0" TO FACILITATE THE INSTALLATION OF ELECTRICAL CONDUIT ENTERING IN THE CAGE.
 3. THE LENGTH OF V1-BARS IS BASED ON FOUNDATION DEPTH. SEE FOUNDATION SELECTION TABLES.
 4. THE QUANTITIES FOR STEEL AND CONCRETE SHOWN IN THE WING WALL DETAILS CHART REFLECT THE AMOUNT OF MATERIAL FOR 1' PLAIN CONCRETE (2 WING WALLS PER DRILL PIER SHAFT).
 5. CONCRETE DRILL PIER SHAFT VOLUME (CU. YDS.):
 FOR 42" DIA. = .866X
 FOR 48" DIA. = .486X
 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 REINFORCING CAGE IS INSTALLED. PROVIDE 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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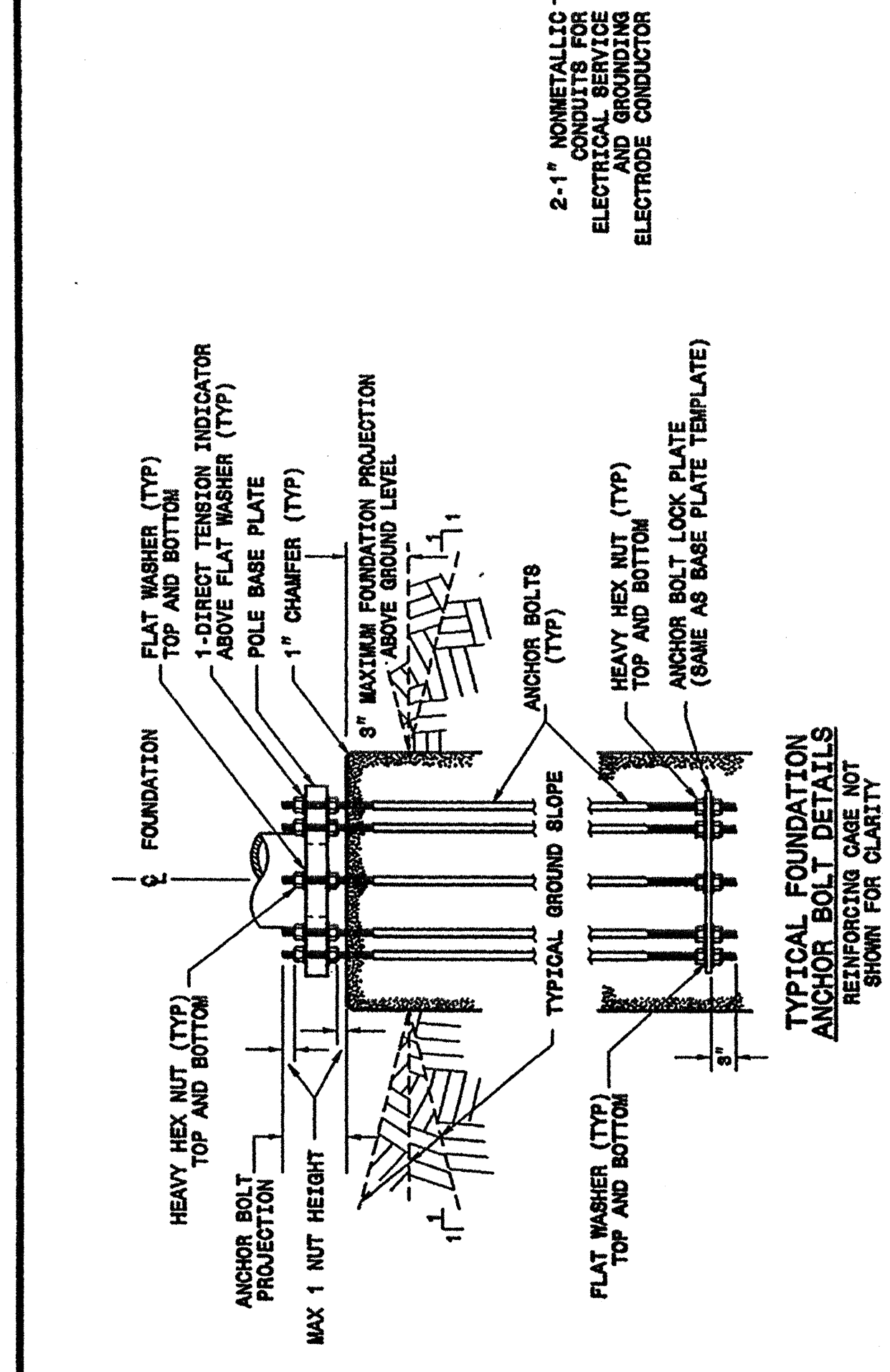
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 REINFORCING CAGE DETAILS

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1742.01

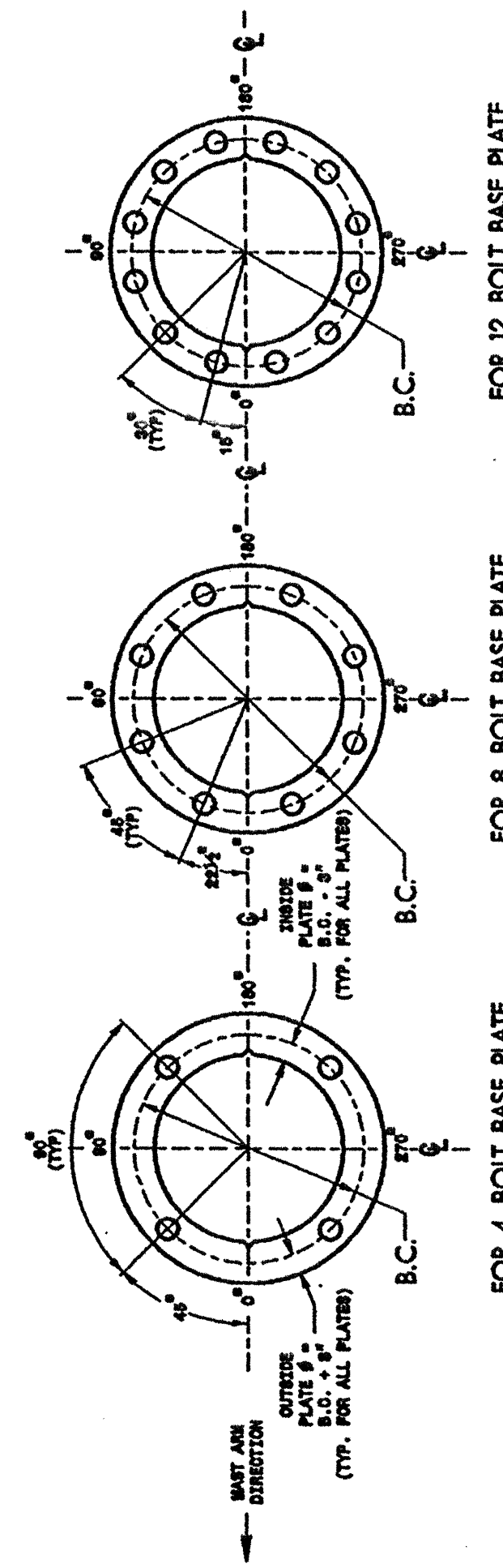
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ENGLISH STANDARD DRAWING FOR
METAL POLE FOUNDATIONS
 INSTALLATION DETAILS

SHEET 2 OF 2
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TYPICAL FOUNDATION ANCHOR BOLT DETAILS
 REINFORCING CAGE NOT SHOWN FOR CLARITY



TYPICAL FOUNDATION CONDUIT DETAILS

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ENGLISH STANDARD DRAWING FOR
METAL POLE FOUNDATIONS
 INSTALLATION DETAILS

SHEET 2 OF 2
1742.01

<p>Structural Engineer</p> <p>D. Sackler 9.12.03</p>	<p>Electrical Engineer</p> <p>Milton I. Dean 9/18/03</p>
<p>Standard Drawings Traffic Management and Signal Systems Unit 122 N. McDowell St., Raleigh, NC 27603</p>	
<p>See Plate for Title</p>	
<p>Original: 2002 Standards</p>	