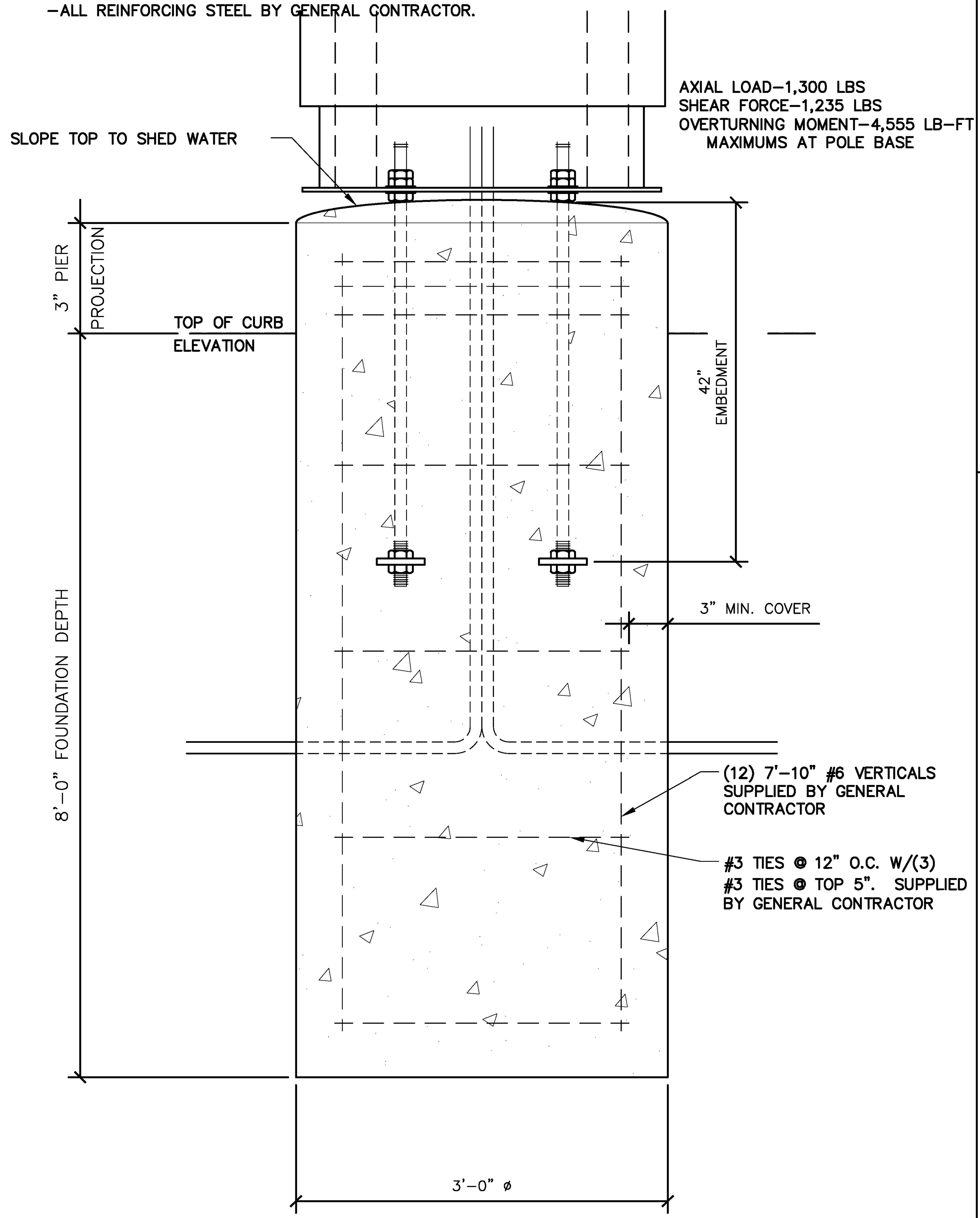
NOTE:
- DESIGN CODES
  - IBC 2015
  - ASCE 7-10
  - ACI 318-11
  - AISC 360-10
  - AWS D1.3
- WIND SPEED-115 MPH (MPH 3-SEC GUST)
  - EXPOSURE C
- DESIGN LOADS DERIVED FROM THESE CODES AND FORCES (#, #')
  - AXIAL-1,300 LBS
  - SHEAR-1,235 LBS
  - OVERTURNING MOMENT-4,555 LB-FT
- USE CONCRETE WITH A 3000PSI MINIMUM COMPRESSIVE STRENGTH (f'c).
- PIER DEPTHS REQUIRED ARE MINIMUMS. ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
- TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.
- MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE 100 PSF/FT OF DEPTH (x2)
- TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE).
- PROVIDE A MINIMUM OF 3" CONCRETE COVER FOR ALL EMBEDDED STEEL.
- FOUNDATION IS DESIGNED FOR SINGLE OR DOUBLE POLE COLUMNS
- ALL REINFORCING STEEL BY GENERAL CONTRACTOR.



(A) ORDER HERE CANOPY 115 MPH

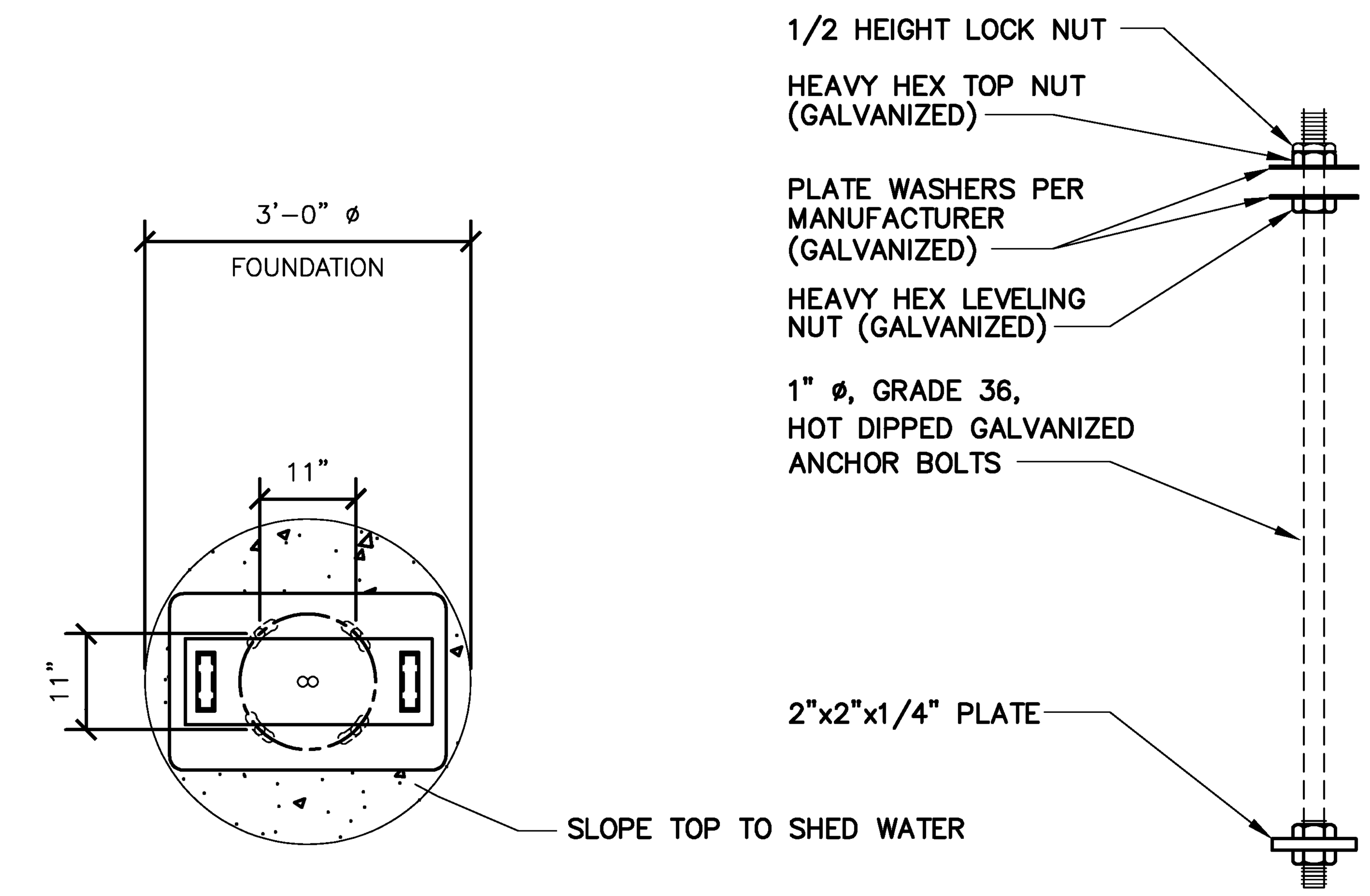
NTS

NOTES:
- TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- USE F1554 GRADE 36 BOLTS MINIMUM
- USE HOT DIPPED GALVANIZED BOLTS
- ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE
- ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
- DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE

FOUNDATION NOTE

ATTENTION CONTRACTOR:

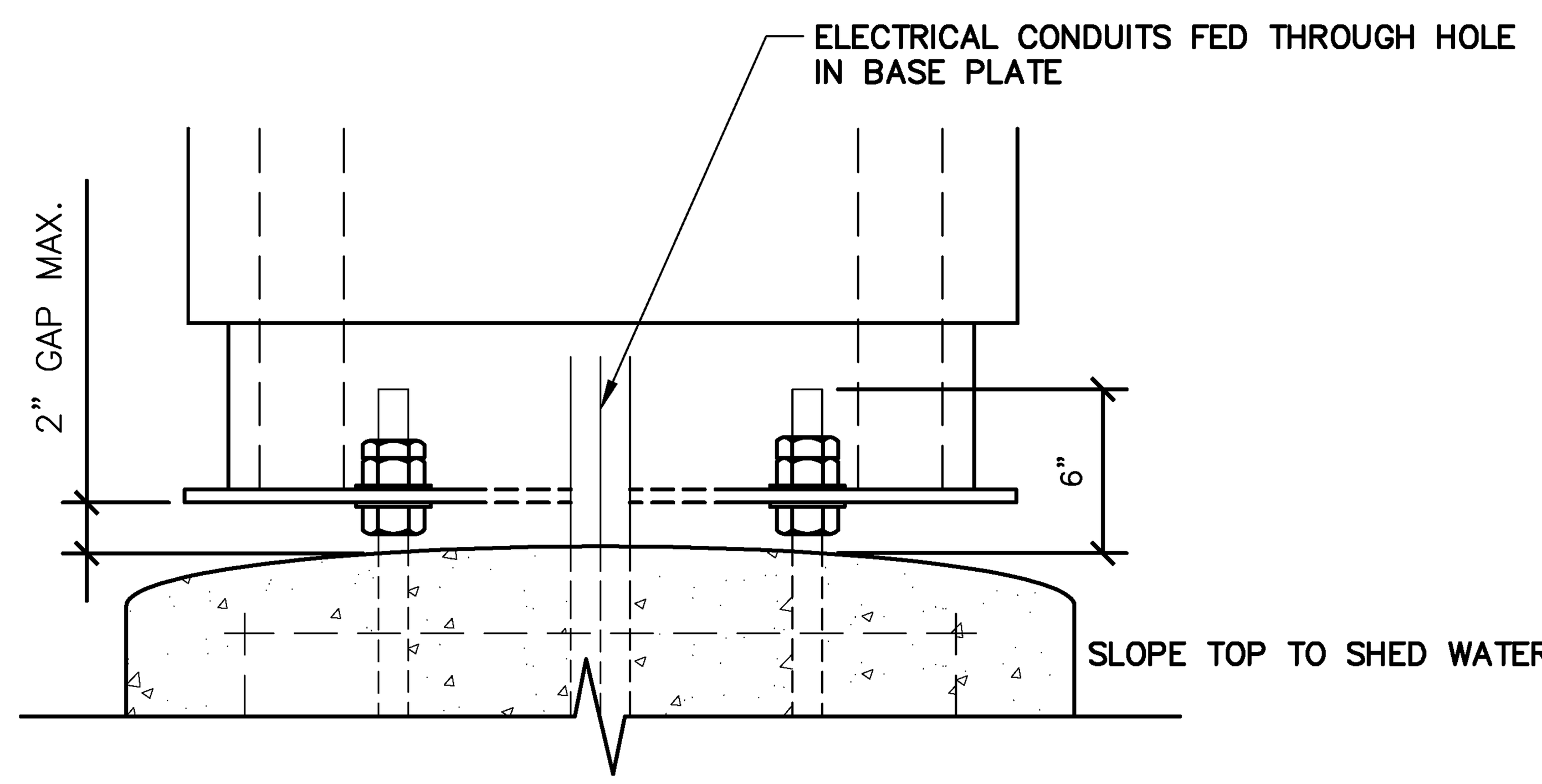
VERIFY ALL SIGN FOUNDATIONS REQUIRED WITH SIGN PROVIDER



(B) ANCHOR BOLT PATTERN

NTS

NOTES:
- TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER
- DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE



(C) CONNECTION DETAILS

NTS

GENERAL NOTES

- THE FOLLOWING CODES WERE USED IN DESIGN:
  - IBC 2015
  - ASCE 7-10
  - ACI 318-11
  - AISC 360-10
  - AWS D1.3
  - WIND SPEED 115 MPH, 3 SEC GUST
  - EXPOSURE C
  - DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
  - AXIAL - 1,300 LBS
  - SHEAR - 1,235 LBS
  - MOMENT - 4,555 LB-FT
- ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
- MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE OF 100PSF/FT (x2)
- SITE SOIL CONDITIONS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER. IF ASSUMED SOIL CONDITIONS ARE NOT PRESENT, FOUNDATION SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER TAKING INTO ACCOUNT ACTUAL SITE SOIL CONDITIONS.
- TOP 6" OF SOIL NEGLECTED IN EMBEDMENT DEPTH CALCULATIONS (EMBEDMENT DEPTHS SHOWN ARE FROM GRADE)
- ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.

CONCRETE:

- ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH FILL COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D 698-70 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE.
- ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION.
- TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- MINIMUM CONCRETE STRENGTH (f'c) SHOULD CONFORM WITH MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
- USE OF ADMIXTURES SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION SECTION 2.6
- AIR ENTRAINMENT SHALL CONFORM WITH MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION SECTIONS 2.6-A & 2.13-A
- WATER CONTENT RATIO SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
- FOUNDATION CONCRETE TO BE TESTED PER MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 3.14
- PROVIDE A MINIMUM 3" OF CONCRETE COVER OVER ALL EMBEDDED STEEL.
- REINFORCEMENT PLACEMENT SHALL CONFORM TO MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTIONS 3.2 & 3.5. PERFORMED BY GENERAL CONTRACTOR.
- ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE
- DO NOT PLACE POLES ON CONCRETE UNTIL CONCRETE HAS CURED PER MCDONALDS CAST-IN-PLACE CONCRETE SPECIFICATION, SECTION 3.11-E.

STEEL:

- STEEL PIPE SECTION: ASTM A53 OR A252 TYPE E GRADE B (Fy = 35ksi)
- HSS ROUND SECTION: ASTM A500 GRADE B (Fy = 42ksi)
- HSS SQUARE/RECTANGULAR SECTIONS: ASTM A500 GRADE B (Fy = 46ksi)
- CONNECTION BOLTS A325
- STEEL ANGLES, CHANNELS, STRUCTURAL SHAPES AND PLATES: ASTM A36
- REINFORCEMENT: GRADE 60 - BY GENERAL CONTRACTOR
- NUTS: A563DH OR A194-2H
- WASHERS: A36
- USE HOT DIPPED GALVANIZED BOLTS AND FASTENERS
- ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER

REV	DATE	DESCRIPTION	BY
1	12-26-17	city comments	jpb

STATE OF MISSOURI — ROBERT E. POLK JR. — NUMBER E-20082 — LICENSED PROFESSIONAL ENGINEER

ROBERT E. POLK JR. E-20082 ENGINEER DATE 12-26-17 THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

PREPARED BY: Farnsworth GROUP
20 ALLEN AVENUE, SUITE 200
ST LOUIS, MISSOURI 63119
(314) 962-7900 / (314) 962-1253 Fax
www.f-w.com
Farnsworth Group, Inc. Missouri State Certificate of Authority #001321

PREPARED FOR: McDonald's USA, LLC

DRAWN BY: FP
STD ISSUE DATE: JAN 2013
REVIEWED BY: FP
DATE ISSUED: JAN 2013

TITLE: STANDARD SITE DETAILS ORDER HERE CANOPY

SITE ID: JAN 2013 — SITE ADDRESS: STANDARD SITE DETAILS

SHEET NO. SD7