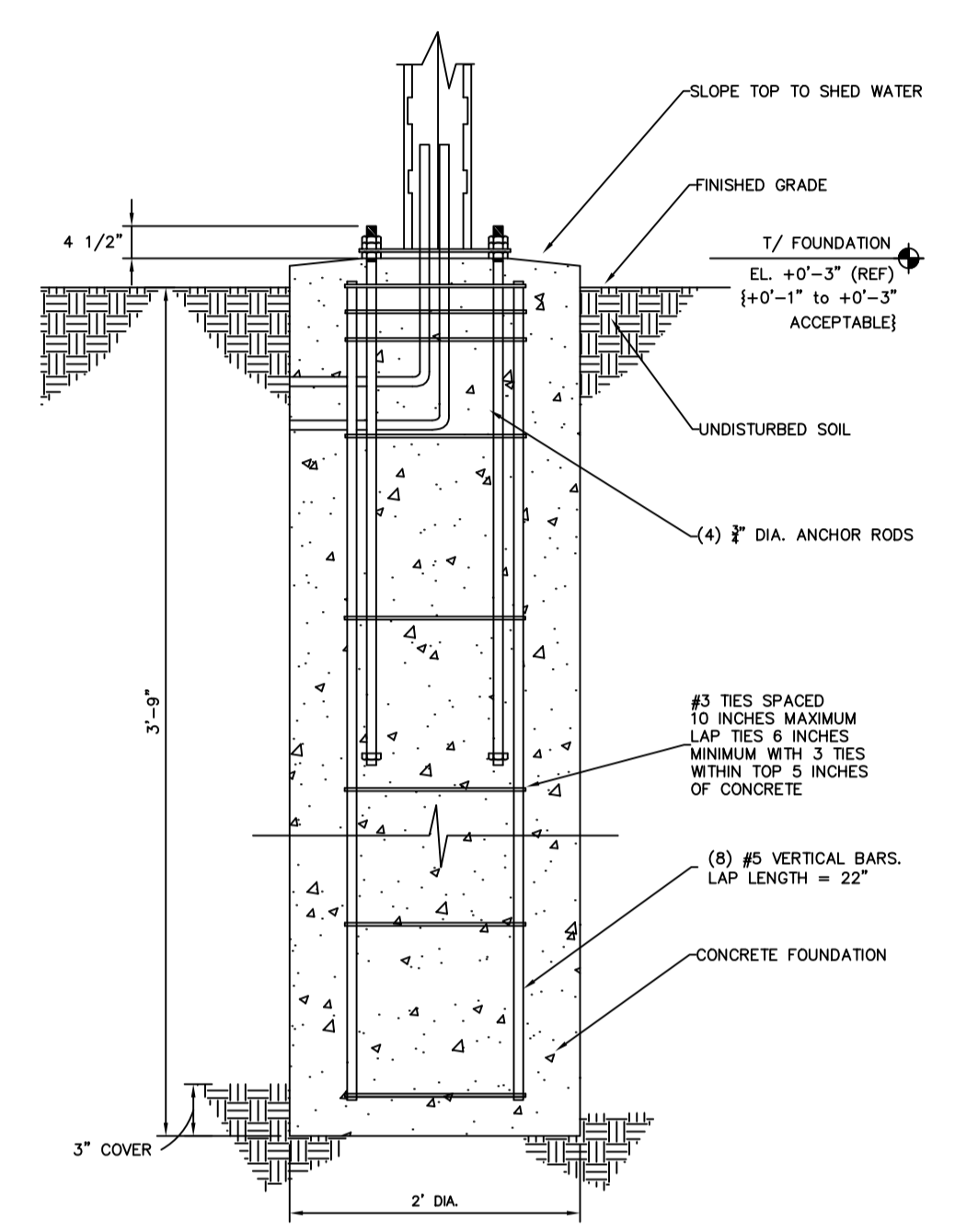


BUILDING OFFICIAL
REVIEWED FOR COMPLIANCE WITH THE CITY CODE, ADOPTED BUILDING CODES, ZONING ORDINANCE AND DESIGN STANDARDS. THIS REVIEW AND APPROVAL DOES NOT RELIEVE THE DEVELOPER OR HIS AGENTS OF ANY RESPONSIBILITY FOR COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS, OR ADDRESS OR OVERRULE THE REQUIREMENTS OF OTHER JURISDICTIONS OR AGENCIES, UNLESS SPECIFICALLY NOTED OTHERWISE.

Signature: *Kevin R. Parris* DATE: 04/25/23

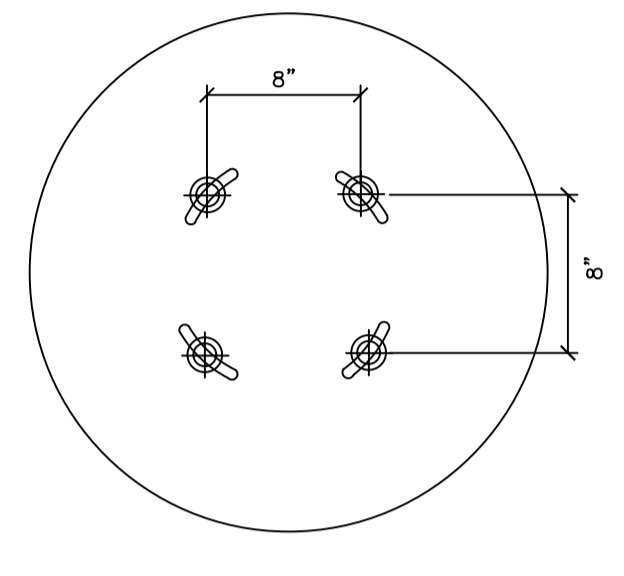
SIGNATURE DATE
PRJ2023-00032

NOTES:
• PIER DEPTHS REQUIRED ARE MINIMUMS.
• TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
• ALL REINFORCING STEEL BY GENERAL CONTRACTOR.

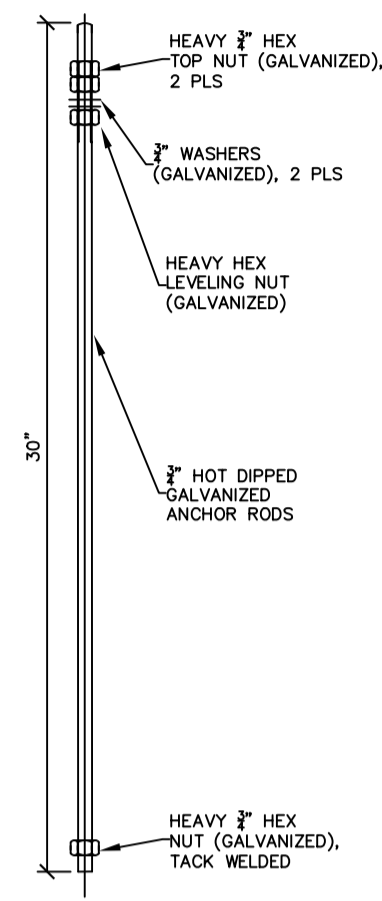


A FOUNDATION

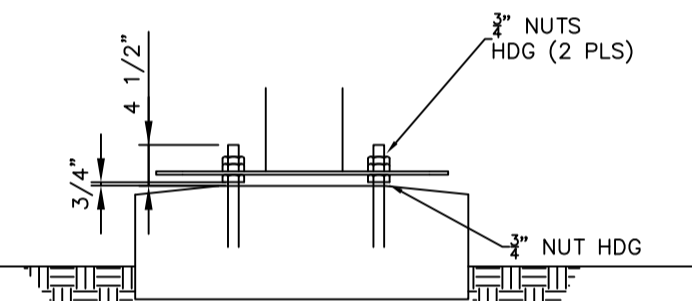
NOTES:
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• ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE ENCLOSURE MANUFACTURER.



B ANCHOR BOLT PATTERN



NOTES:
• TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
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• DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE.



C CONNECTION DETAILS

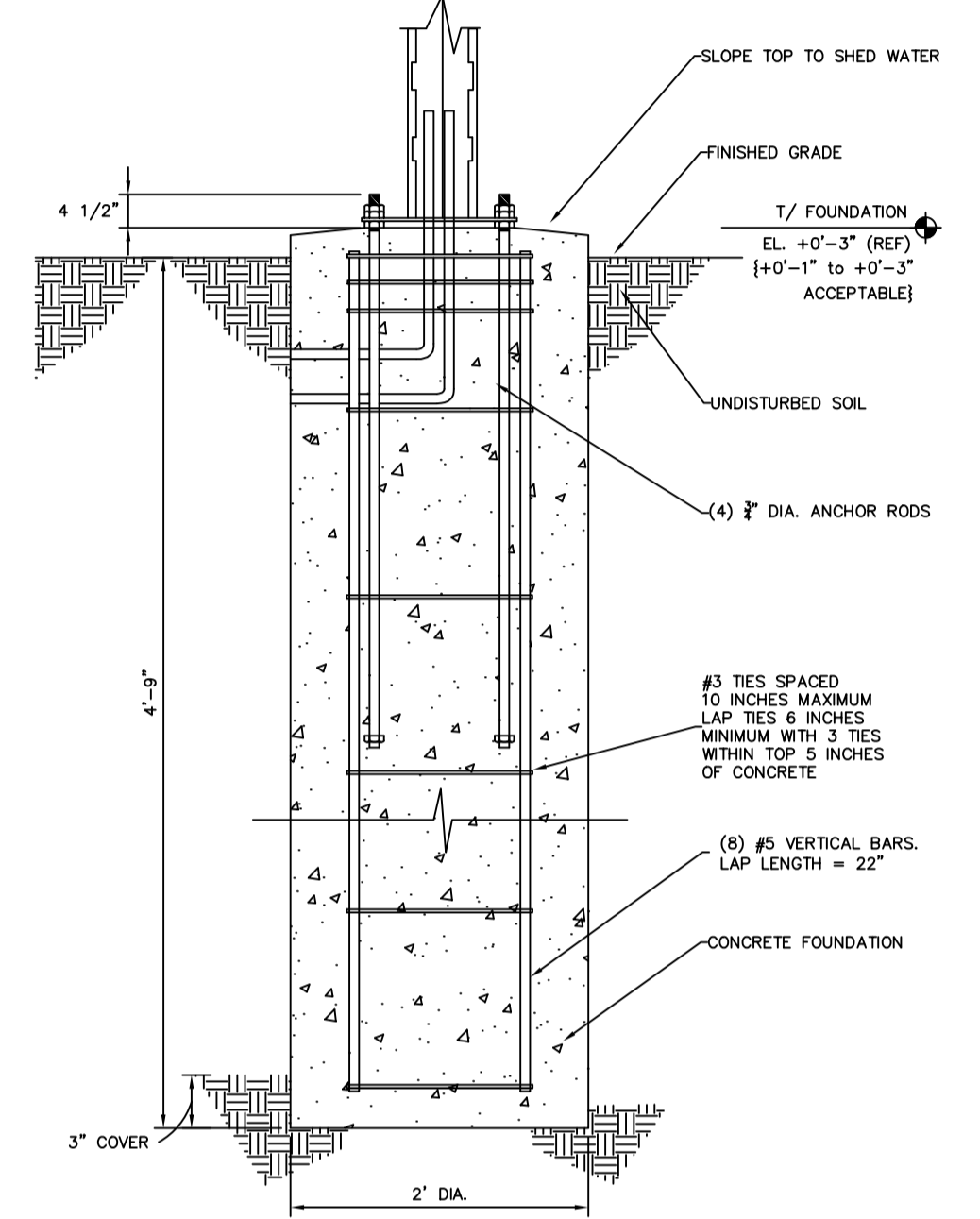
1 DIGITAL SINGLE FACE MENU BOARD
SCALE: NONE

GENERAL NOTES:
-THE FOLLOWING CODES WERE USED IN DESIGN:
-IRC 2018
-ASCE 7-16
-AD 318-19
-AISC 360-16
-WIND SPEED 120 MPH
-RISK CATEGORY II
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-SHEAR 362 LBS
-MOMENT 1,250 FT-LBS
-ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
-PRESUMPTIVE MAX LATERAL SOIL BEARING PRESSURE OF 100 PSF/FT (X2)
-PRESUMPTIVE MAX VERTICAL FOUNDATION PRESSURE OF 1500 PSF
-CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING SUBGRADE TO MEET MINIMUM SOIL BEARING VALUES.
-ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS

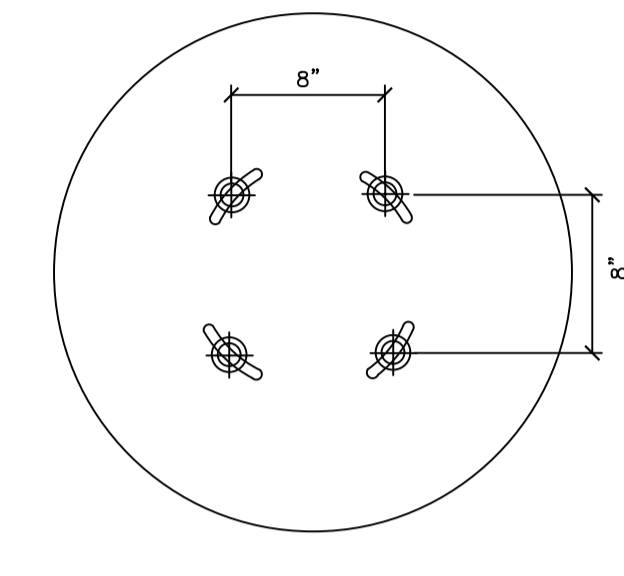
CONCRETE:
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-DO NOT PLACE POLES ON CONCRETE UNTIL CONCRETE HAS CURED PER MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATION SECTION 3.11-E

STEEL:
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-REINFORCEMENT: ASTM A615 GRADE 60- BY GENERAL CONTRACTOR
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-USE ASTM A153 CLASS HOT DIPPED GALVANIZED BOLTS AND FASTENERS.
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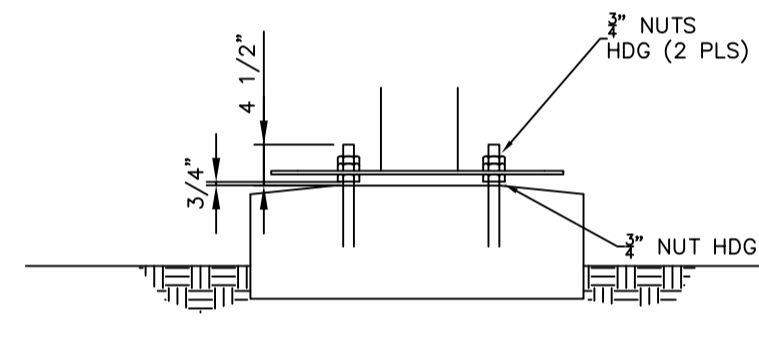


A FOUNDATION



B ANCHOR BOLT PATTERN

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C CONNECTION DETAILS

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SCALE: NONE

GENERAL NOTES:
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-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-SHEAR 362 LBS
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Table with 3 columns: Date, Description, No. Revisions section.

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LANGAN
Langan Engineering and Environmental Services, Inc.
8951 Cypress Waters Blvd, Suite 150
Dallas, TX 75019

T: 817.328.3200 www.langan.com
MO Certificate of Authorization No. F001330220

Project
McDONALD'S NEW PROJECT
L/C 024-1290
3720 WEST SUNSHINE STREET
SPRINGFIELD

GREENE COUNTY MISSOURI
Drawing Title

SITE FOUNDATIONS

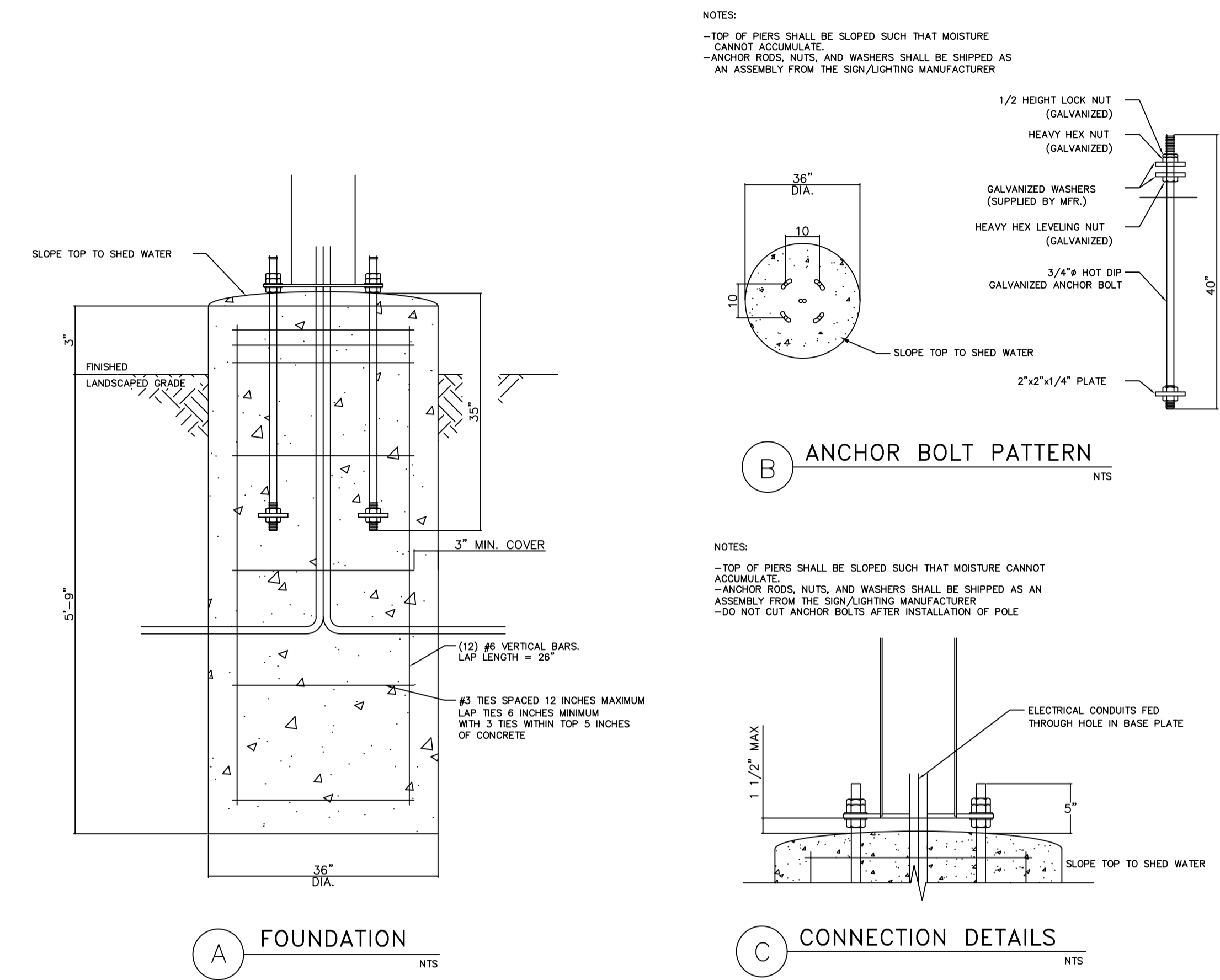
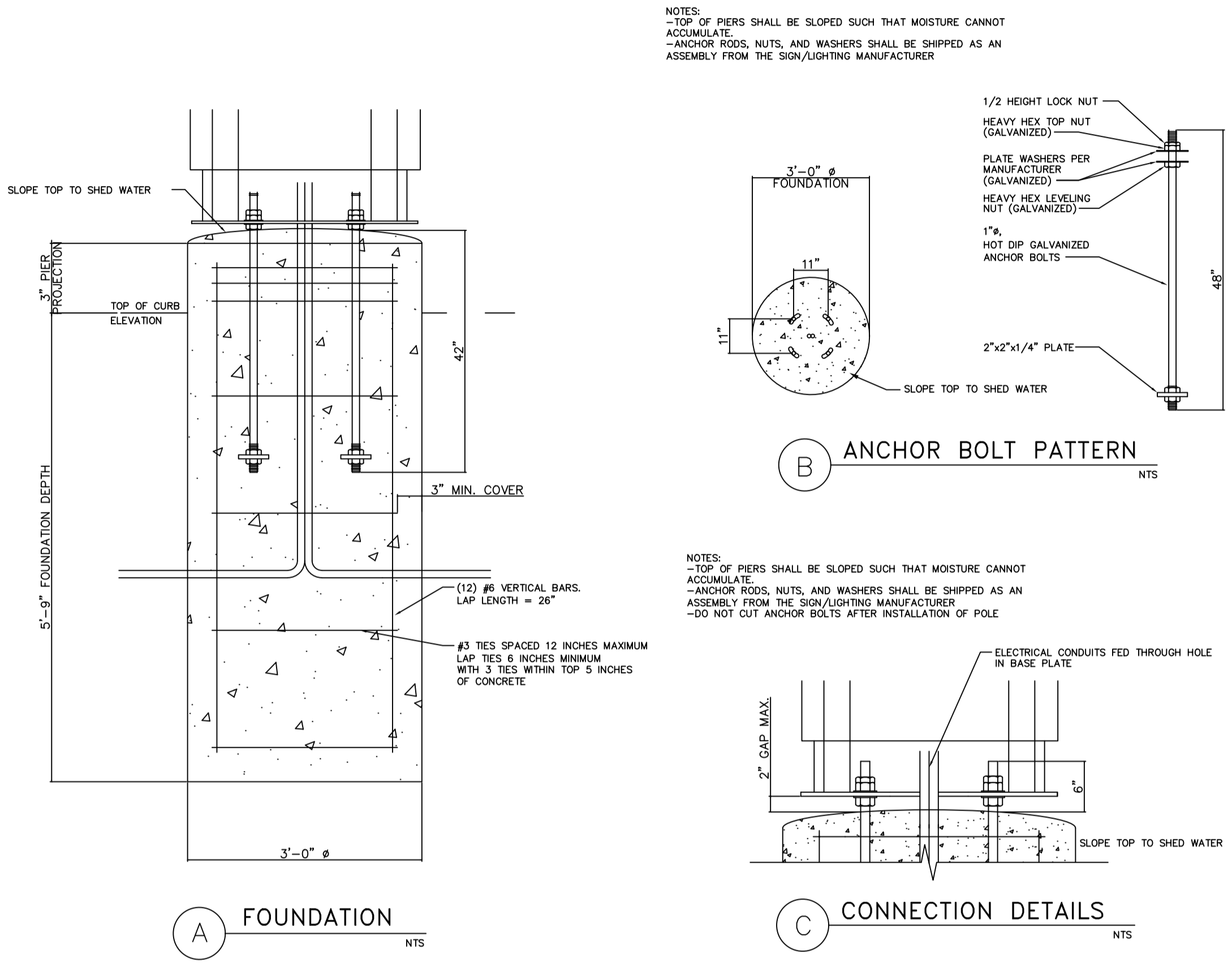
Table with 2 columns: Project No., Drawing No. Values: 520054201, SD-1

REVIEWED FOR COMPLIANCE WITH THE CITY CODE, APPLICABLE BUILDING CODES, ZONING ORDINANCE AND DESIGN STANDARDS. THIS REVIEW AND APPROVAL DOES NOT RELIEVE THE DEVELOPER OR HIS AGENTS OF ANY RESPONSIBILITY FOR COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS, OR ADDRESS OR OVERRULE THE REQUIREMENTS OF OTHER JURISDICTIONS OR AGENCIES, UNLESS SPECIFICALLY NOTED OTHERWISE.

Signature: *Kevin R. Penin* DATE: 04/25/23

SIGNATURE DATE PRJ2023-00032

Project No. 520054201



THE FOLLOWING CODES WERE USED IN DESIGN:
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 -ASCE 7-16
 -ACI 318-19
 -ASCE 360-16
 -AWS D1.1
 -WIND SPEED 120 MPH
 -EXPOSURE C
 -RISK CATEGORY II
 -DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
 -SHEAR 822 LBS
 -MOMENT 6,800 FT-LBS
 -ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE
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Date	Description	No.
Revisions		

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SPRINGFIELD

GREENE COUNTY MISSOURI
 Drawing Title

SITE FOUNDATIONS

Project No. 520054201	Drawing No. SD-2
Date DECEMBER 2022	Sheet 27 of 29
Drawn By OROD	
Checked By LG	

REVIEWED FOR COMPLIANCE WITH THE CITY CODE, ADOPTED BUILDING CODES, ZONING ORDINANCE AND DESIGN STANDARDS. THIS REVIEW AND APPROVAL DOES NOT RELIEVE THE DEVELOPER OR HIS AGENTS OF ANY RESPONSIBILITY FOR COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS, OR ADDRESS OR OVERRULE THE REQUIREMENTS OF OTHER JURISDICTIONS OR AGENCIES, UNLESS SPECIFICALLY NOTED OTHERWISE.

Kevin R. Penix 04/25/23
SIGNATURE DATE

PRJ2023-00032

Project No. 520054201

NOTE:
-DESIGN CODES
-IBC 2018
-ASCE 7-16
-ACI 318-19
-AWS D1.1
-NAAMM 1001-07
-DESIGN LOADS ARE BASED ON:
A. 120MPH ACTING ON POLE AND FLAG
B. EXPOSURE CATEGORY C
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-SHEAR 602 LBS.
-MOMENT 13,703 FT./LBS.
-USE CONCRETE WITH A 3000PSI MINIMUM COMPRESSIVE STRENGTH (f'c).
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
-ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS.
-PRESUMPTIVE ALLOWABLE LATERAL SOIL BEARING PRESSURE 100 PSF/FT OF DEPTH (x2)
-INSTALL SAND AND POLE PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
-SEAL SAND IN FOUNDATION WITH CAULK PER MANUFACTURERS GUIDELINES.

CONCRETE:
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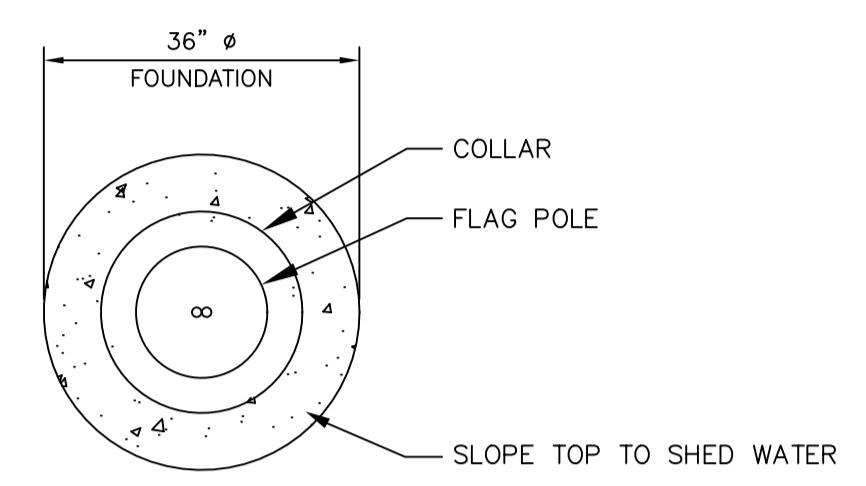
-FLAG POLE DESIGN ASSUMPTIONS:
-POLE HEIGHT = 40'
-POLE TOP DIAMETER = 3.5"
-POLE BUTT DIAMETER = 8"
-FLAG, 10FT x 6FT POLYESTER
-DOME DIAMETER = 10'
-REFER TO FLAG MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION INCLUDING INSTALLATION INSTRUCTIONS.
-CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
-DETAILS AND STRUCTURAL MEMBERS NOT SHOWN DESIGNED BY OTHERS
-ANY MODIFICATIONS ARE TO BE VERIFIED BY AN ENGINEER

GENERAL NOTES
-THE FOLLOWING CODES WERE USED IN DESIGN:
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-AISC 360-16
-AWS D1.1
-WIND SPEED 120 MPH
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-RISK CATEGORY II
-DESIGN LOADS DERIVED FROM THESE CODES AND FORCES
-SHEAR 340 LBS
-MOMENT 4,140 FT-LBS

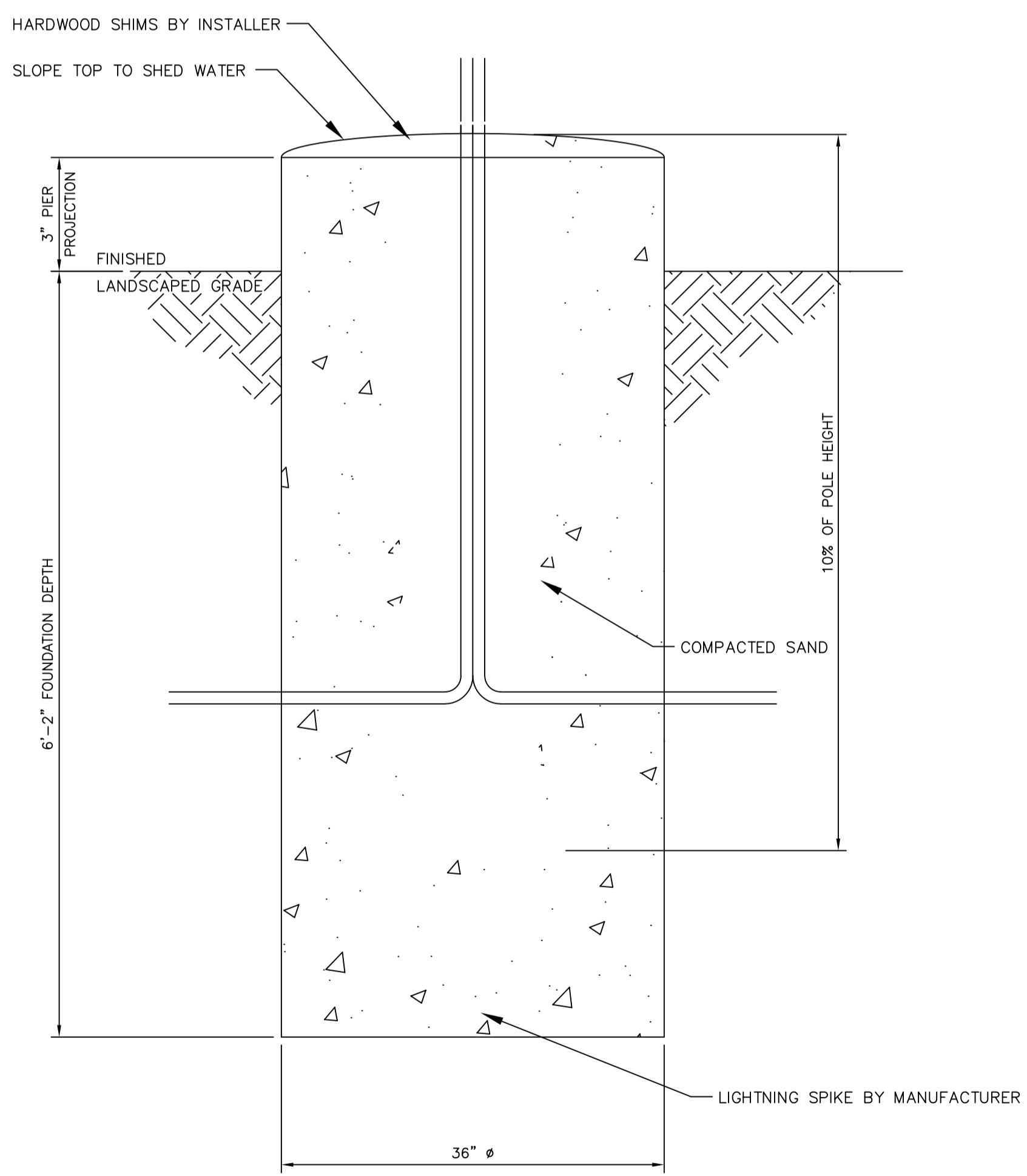
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-ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS

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
-TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE
-MINIMUM CONCRETE STRENGTH (f'c=3,000 PSI) SHALL CONFORM WITH MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
-USE OF ADMIXTURES SHALL CONFORM TO MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATION SECTION 2.6
-AIR ENTRAINMENT SHALL CONFORM WITH MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTIONS 2.6-A AND 2.13-A
-WATER CONTENT RATIO SHALL CONFORM TO MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 2.13-A
-FOUNDATION CONCRETE TO BE TESTED PER MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTION 3.14
-PROVIDE A MINIMUM 3" OF CONCRETE COVER OVER ALL EMBEDDED STEEL.
-REINFORCEMENT PLACEMENT SHALL CONFORM TO MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATIONS SECTIONS 3.2 & 3.5 PERFORMED BY GENERAL CONTRACTOR
-ANCHOR RODS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE
-DO NOT PLACE POLES ON CONCRETE UNTIL CONCRETE HAS CURED PER MCDONALD'S CAST-IN-PLACE CONCRETE SPECIFICATION SECTION 3.11-E

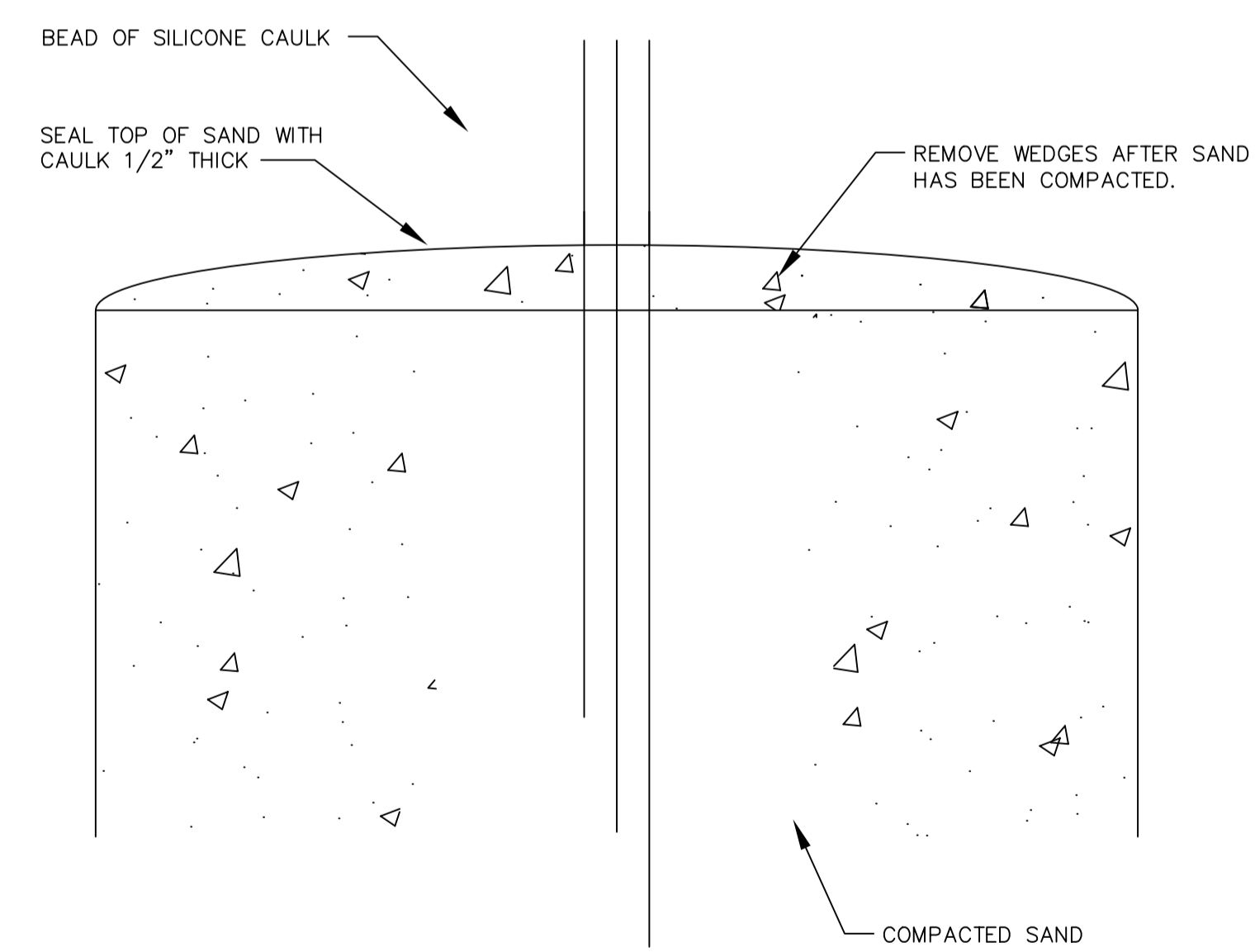
ANCHOR BOLTS:
-3/4"x30"x3" WITH PROJECTION, IN 8"-11" BOLT CIRCLE, BY LIGHTING MANUFACTURER



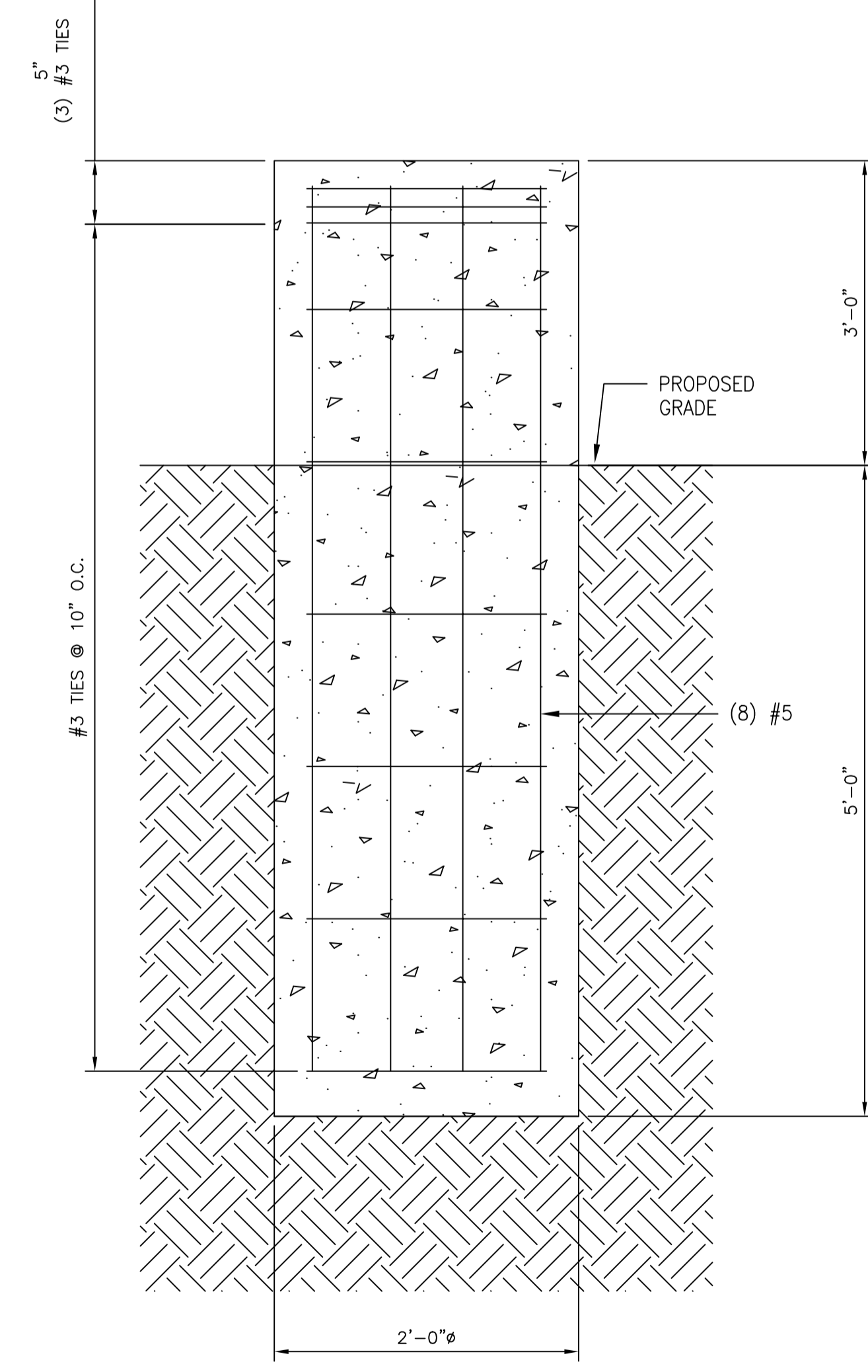
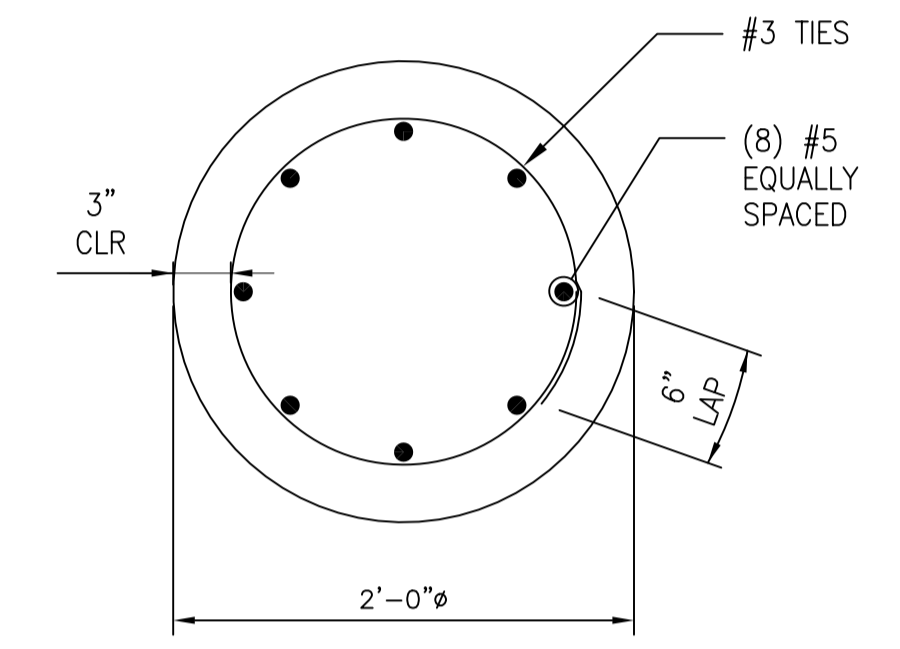
(A) DETAIL



(B) FOUNDATION



(C) DETAIL



(2) LIGHT FIXTURE
SCALE: NONE

(1) FLAG POLE
SCALE: NONE

Date	Description	No.
Revisions		
M. McDonald's USA, LLC		
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MO Certificate of Authorization No. F001330220

Project
MCDONALD'S NEW PROJECT
L/C 024-1290
3720 WEST SUNSHINE STREET
SPRINGFIELD

GREENE COUNTY MISSOURI
Drawing Title

SITE FOUNDATIONS

Project No. 520054201	Drawing No. SD-3
Date DECEMBER 2022	SD-3
Drawn By OROD	
Checked By LG	
Sheet 28 of 29	