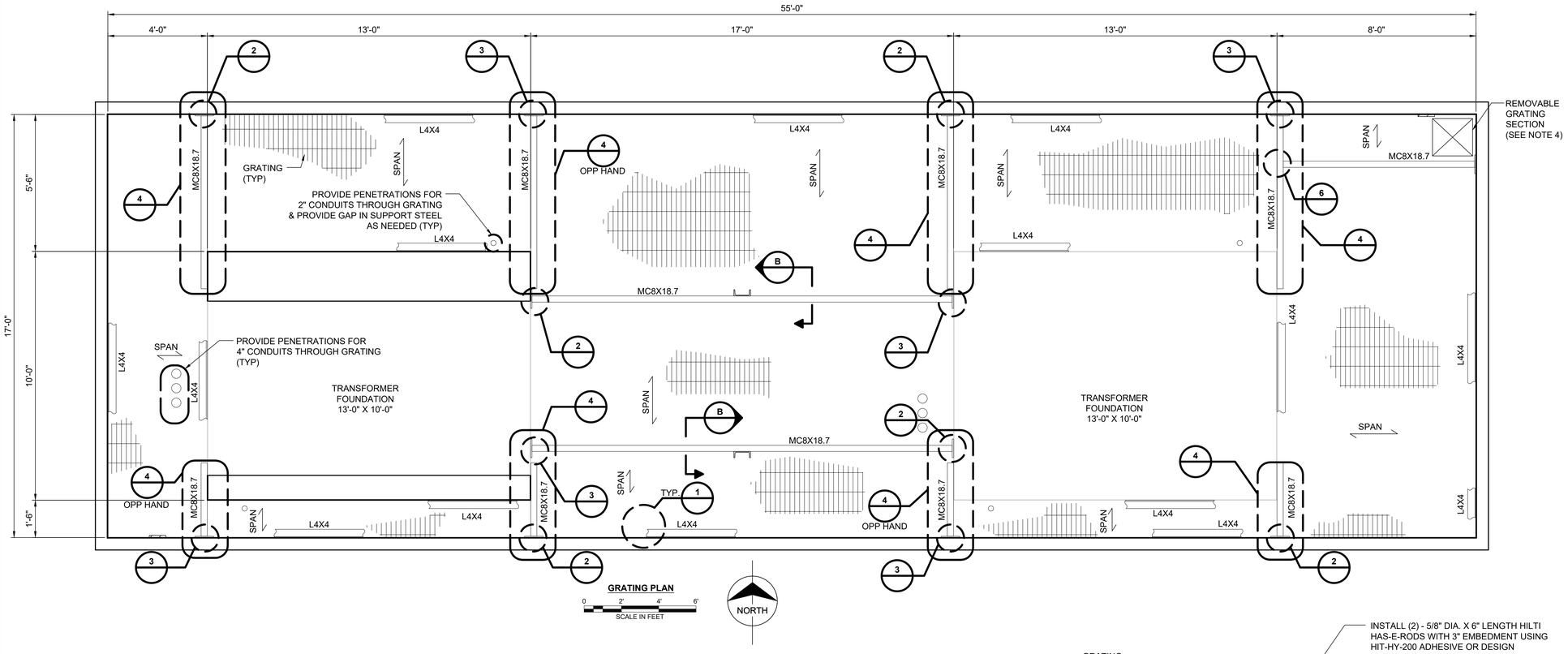
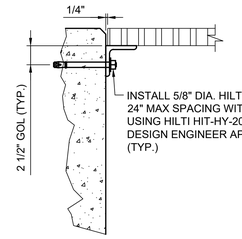


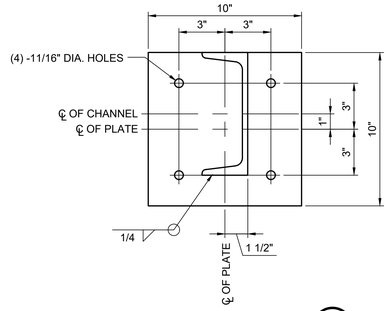
GRATING PLAN
0 2' 4' 6'
SCALE IN FEET

NOTES:
1. GRATING, GRATING HARDWARE, AND STRUCTURAL STEEL SHALL BE FULLY GALVANIZED AFTER FABRICATION PER ASTM A123 AND ASTM 153.
2. INSTALL GRATING OVER APRON OPENING AS SHOWN. GRATING SHALL BE AMICO 19-W-4 2-1/2 X 3/16" GALVANIZED BEARING BAR GRATING, OR DESIGN ENGINEER APPROVED EQUAL. GRATING SHALL BE BANDED ON ALL SIDES.
3. GRATING SHALL BE FASTENED TO STRUCTURAL STEEL WITH STAINLESS STEEL SADDEL CLIPS. PROVIDE (2)-CLIPS FOR EACH PANEL AT EACH STEEL SUPPORT. SADDLE CLIPS TO BE FURNISHED BY GRATING MANUFACTURE (SESAFE CLIP GD-16015CS-316).
4. REMOVEABLE GRATING SECTIONS SHALL WEIGH NO MORE THAN 50LB EACH.

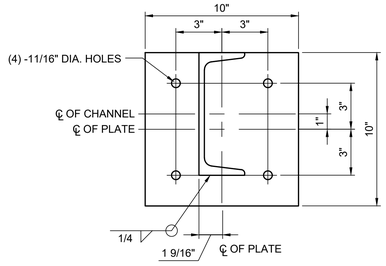
REFERENCE DRAWINGS:
12.47kV GROUNDING DETAILS SH.1 ES241



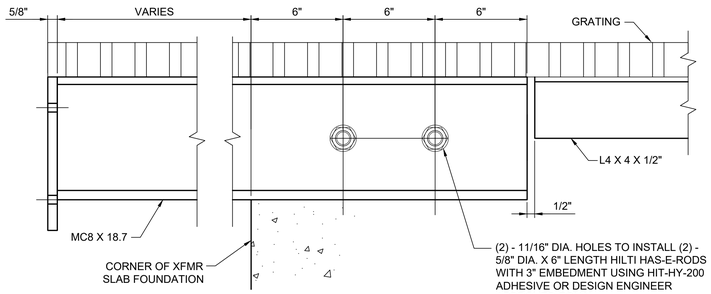
DETAIL 1
SEAT ANGLE CONNECTION
0 1/2" 1" 1 1/2"
SCALE IN FEET



DETAIL MC8X18.7 2
0 3" 6" 9"
SCALE IN INCHES



DETAIL MC8X18.7 3
0 3" 6" 9"
SCALE IN INCHES



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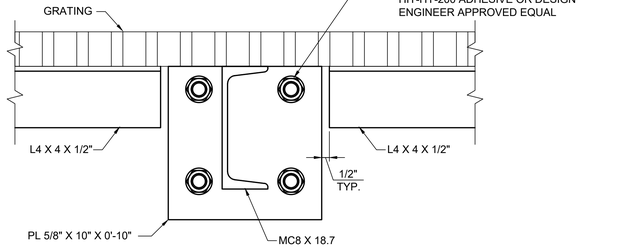
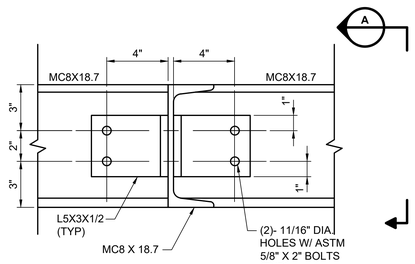
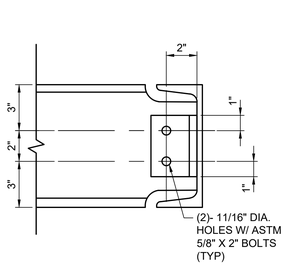
SCALE IN INCHES



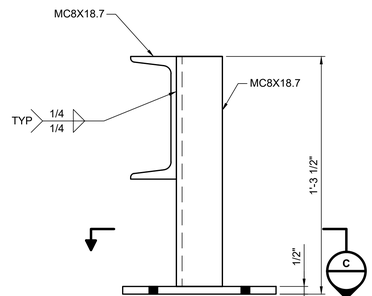
DETAIL SUPPORT CHANNEL 5
0 3" 6" 9"
SCALE IN INCHES



DETAIL SUPPORT CHANNEL 6
0 3" 6" 9"
SCALE IN INCHES



SECTION A
0 3" 6" 9"
SCALE IN INCHES



SECTION B
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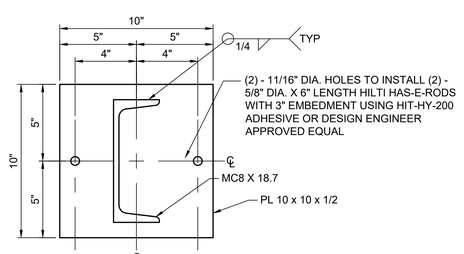
SCALE IN INCHES



SECTION C
0 3" 6" 9"
SCALE IN INCHES

SEAN T. MCILWEE No. 27916 OKLAHOMA LICENSED PROFESSIONAL ENGINEER
1-28-2019

no.	date	by	ckd	description
0	01/23/19	KAK	CMP	ISSUED FOR CONSTRUCTION

BURNS McDONNELL
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KANSAS CITY, MO 64114
816-333-9400
FIRM LICENSE NO. CA-421
06/30/20

designed K. KOLSTAD | detailed R. FAGAN

CITY OF stillwater Electric Utility
STILLWATER, OKLAHOMA

STILLWATER ENERGY CENTER
BOOMER LAKE 69/12.47kV SUBSTATION
TRANSFORMER FOUNDATION & OIL CONT.
PLAN & DETAILS, SH. 2

project 102516 | contract P0002691
drawing ES311 – rev. 0
sheet 2 of 2 sheets
file ES311.DWG

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Scale For Microfilming
Millimeters
Inches