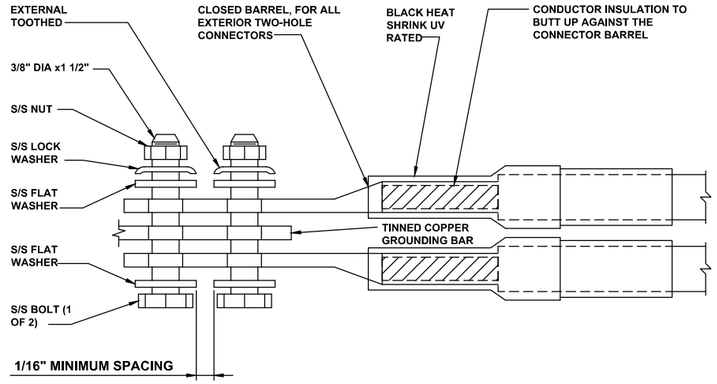
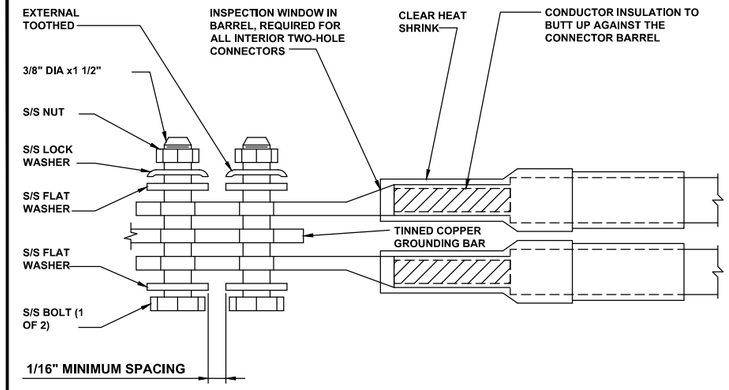
1. EXOTHERMIC WELD (2) TWO,4/0 AWG STRANDED COPPER CONDUCTORS TO GROUND BAR. ROUTE CONDUCTORS TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. ALL EXTERIOR GROUNDING HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. FOR GROUND BOND TO STEEL ONLY: COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
4. DO NOT INSTALL CABLE GROUNDING KIT AT A BEND AND ALWAYS DIRECT GROUND CONDUCTOR DOWN TO GROUNDING BUS.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUND BAR AND BOLTED ON THE BACK SIDE.
6. ALL GROUNDING PARTS AND EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ADDITIONAL GROUND BAR AS REQUIRED.
9. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).

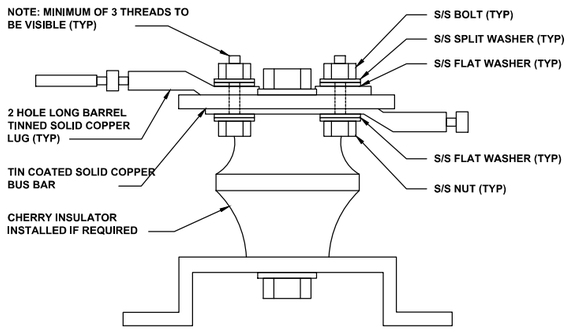
TYPICAL GROUNDING NOTES | NO SCALE | 1



TYPICAL EXTERIOR TWO HOLE LUG | NO SCALE | 2



TYPICAL INTERIOR TWO HOLE LUG | NO SCALE | 3



LUG DETAIL | NO SCALE | 4

NOT USED | NO SCALE | 5

NOT USED | NO SCALE | 6

NOT USED | NO SCALE | 7

NOT USED | NO SCALE | 8

NOT USED | NO SCALE | 9

Ameren
1901 CHOUTEAU AVE,
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BLACK & VEATCH
16305 SWINGLEY RIDGE RD, SUITE 230
CHESTERFIELD, MO 63017
(636) 536-5800

PROJECT NO:	409336.0036.2030
DRAWN BY:	VDP
CHECKED BY:	AL

REV	DATE	DESCRIPTION
7	09/16/24	PER JURISDICTION COMMENTS
6	07/01/24	PER CONTRACTOR COMMENTS
5	04/22/24	PER JURISDICTION COMMENTS
4	02/15/24	PER CLIENT COMMENTS
3	01/09/24	PER JURISDICTION COMMENTS
2	10/16/23	PER JURISDICTION COMMENTS
1	06/15/23	PER JURISDICTION COMMENTS
0	05/19/23	ISSUED FOR 100% CDs

STATE OF MISSOURI
JOSHUA R. TURNER
NUMBER PE-2018021265
PROFESSIONAL ENGINEER
09/17/2024

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

AMEREN PLTE PROJECT
KEATON
3605 HWY K
O'FALLON, MO 63368
MONOPOLE

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-3