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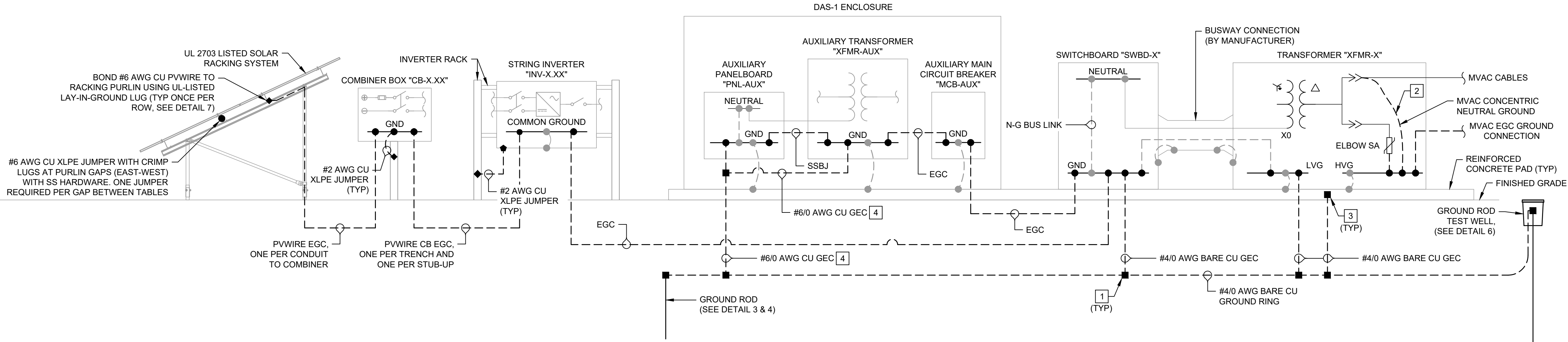
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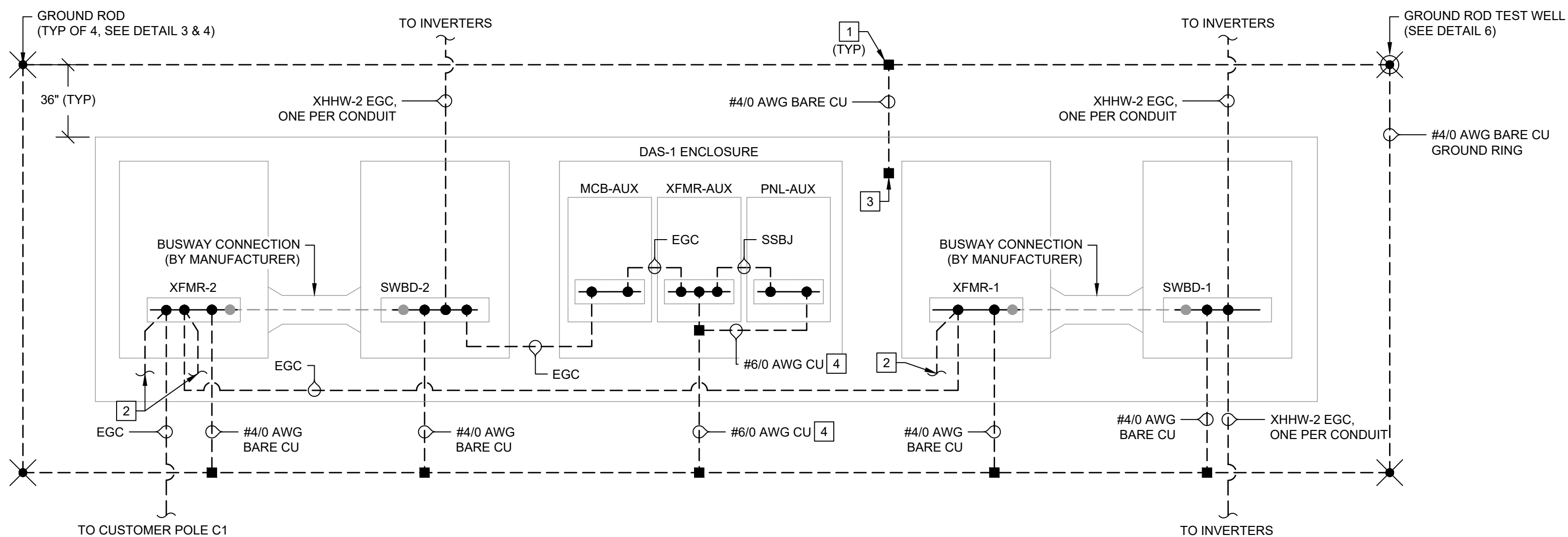
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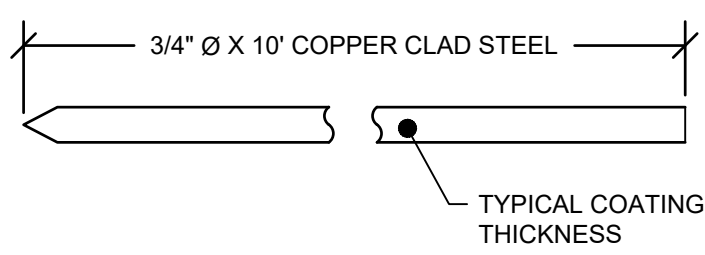
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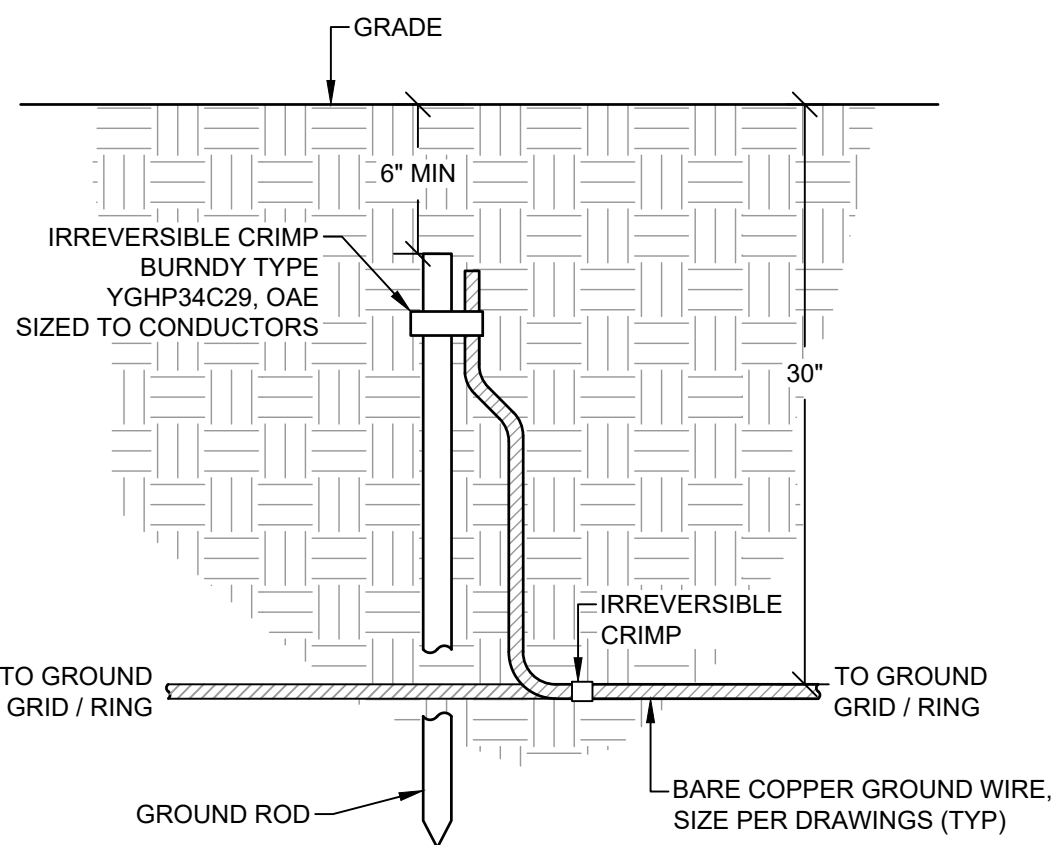
1 GROUNDING SYSTEM DIAGRAM  
SCALE: NTS



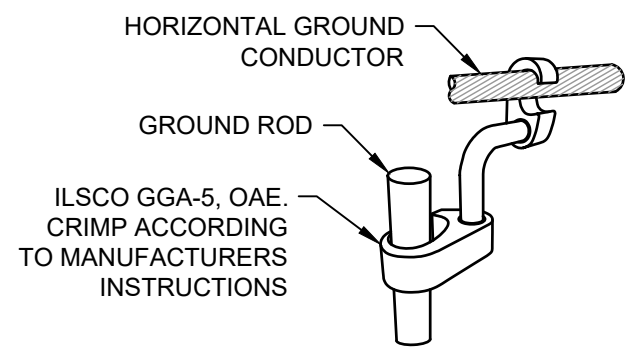
2 PAD GROUNDING DETAILS  
SCALE: NTS



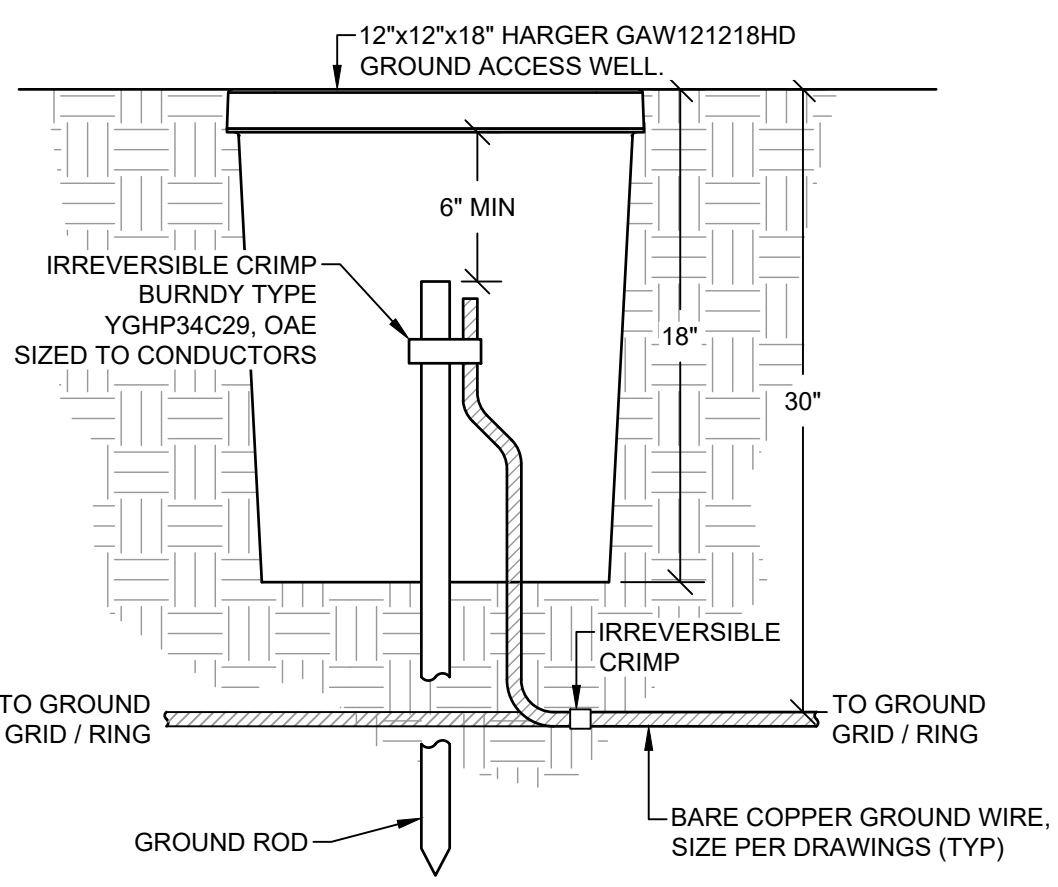
3 TYP. GROUND ROD DETAIL  
SCALE: NTS



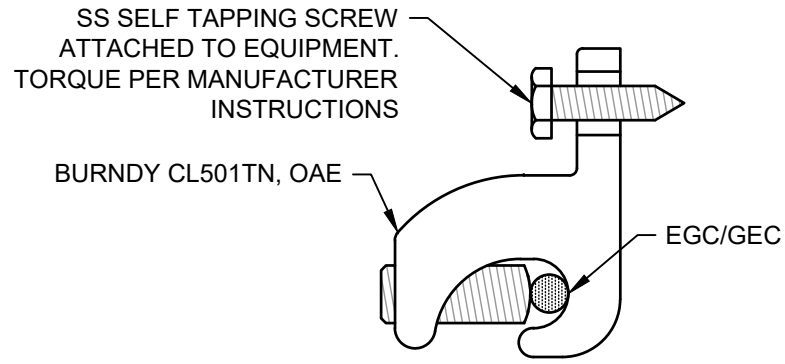
4 BURIED GROUND ROD DETAIL  
SCALE: NTS



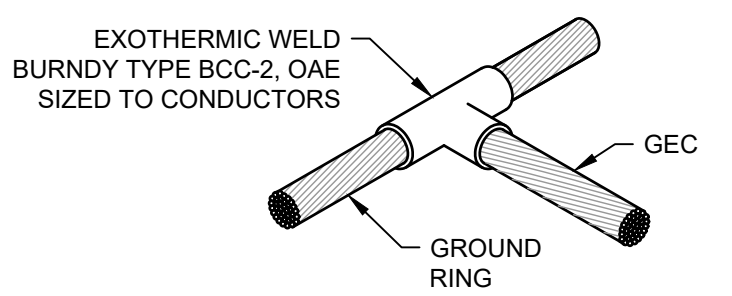
5 GROUND ROD TO CONDUCTOR CRIMP  
SCALE: NTS



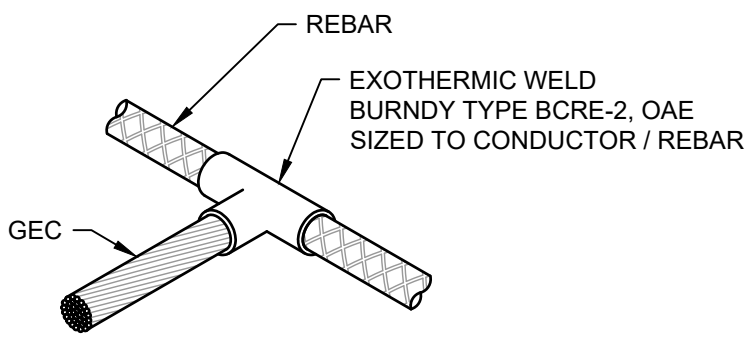
6 GROUND TEST WELL DETAIL  
SCALE: NTS



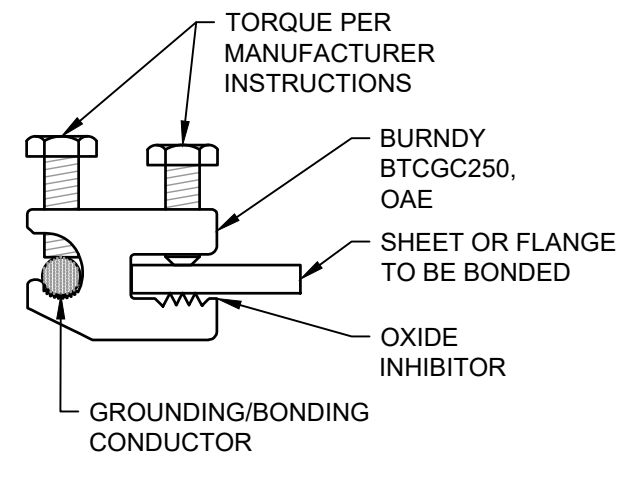
7 TYP. LAY-IN LUG DETAIL  
SCALE: NTS



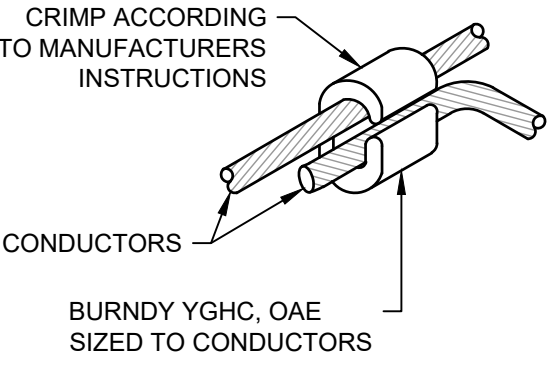
8 TYP. CONDUCTOR/CONDUCTOR WELD  
SCALE: NTS



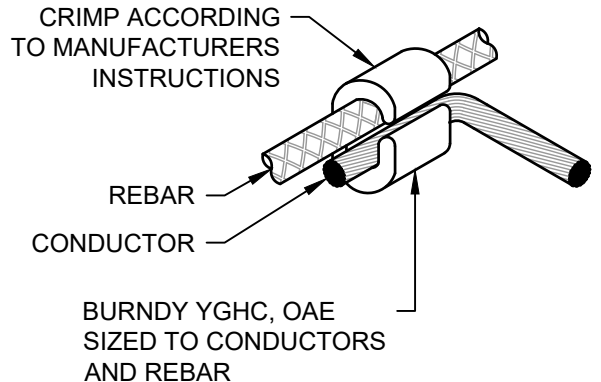
9 TYP. REBAR/CONDUCTOR WELD  
SCALE: NTS



10 TYP. LUG DETAIL  
SCALE: NTS



11 TYP. CONDUCTOR/CONDUCTOR CRIMP  
SCALE: NTS



12 TYP. REBAR/CONDUCTOR CRIMP  
SCALE: NTS

## SHEET NOTES:

- DIAGRAMS DO NOT INDICATE ALL EQUIPMENT GROUNDING CONDUCTORS REQUIRED. REFER TO SINGLE LINE DIAGRAMS AND CABLE SCHEDULES FOR ADDITIONAL INFORMATION.
- GROUND RING SHALL BE BURIED 30" BELOW FINISHED GRADE AND 36" FROM EQUIPMENT PAD EDGE.
- CONTRACTOR SHALL NOT GROUND X0 AT TRANSFORMER AS THE INTENT IS FOR NEUTRAL TO BE GROUNDED AT THE LV SWITCHBOARD. REMOVE GROUND STRAP IF PRESENT.
- SEE SHEET E-404, E-501, AND E-502 FOR EGC AND SSBJ SIZES.

## KEYED NOTES:

- BOND USING EXOTHERMIC WELD OR IRREVERSIBLE CRIMP. TYPICAL OF ALL CONNECTIONS TO GROUND RING.
- BOND MEDIUM VOLTAGE CONCENTRIC NEUTRAL CONDUCTORS WITH IRREVERSIBLE CRIMP.
- BOND TO EQUIPMENT PAD REBAR VIA EXOTHERMIC WELD OR IRREVERSIBLE CRIMP.
- GEC'S ABOVE GROUND SHALL BE INSULATED WITH XLPE. GEC'S EXTENDING UNDERGROUND AND NOT IN CONDUIT SHALL BE BARE AND SHALL AVOID CONTACT WITH METAL PARTS OF THE EQUIPMENT.

## LEGEND:

- GROUNDING CONDUCTOR
- CONDUCTOR
- INTERNAL EQUIPMENT CONNECTION
- GROUND LUG CONNECTION
- IRREVERSIBLE CRIMP CONNECTION
- GROUND ROD
- GROUND ROD WITH TEST WELL

DESIGN COORDINATOR



**KNOBELSDORFF**

25701 370TH STREET  
GOODHUE, MN 55027

PROJECT

**138883 CEMETERY  
SUN, LLC**

24638 ADAMS RD.  
FREDERICK, IL 62639  
40.089020°, -90.442132°

ENGINEER



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SOLAR ENGINEERING

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SEAL



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## REVISIONS

#	DESCRIPTION	DATE
0	IFC	02/06/2026
1	IFC R1	02/27/2026

**ISSUED FOR CONSTRUCTION**  
FEBRUARY 27, 2026

**138883 CEMETERY  
SUN, LLC**  
FREDERICK, IL, 62639

SHEET TITLE

**ELECTRICAL DETAILS -  
GROUNDING**

SHEET NO.

**E-601**