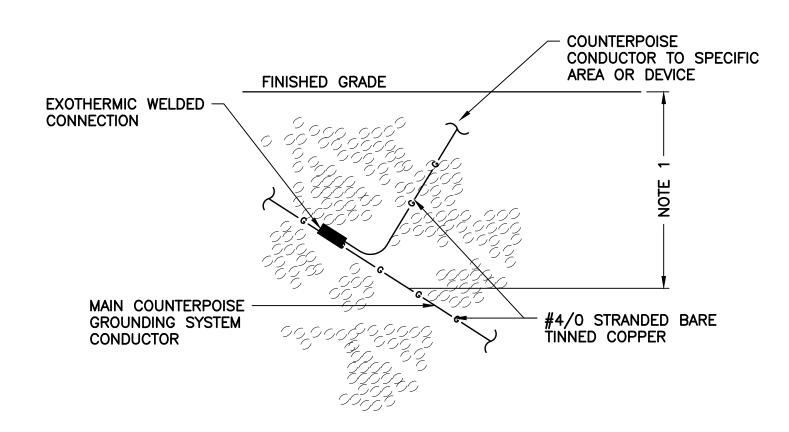


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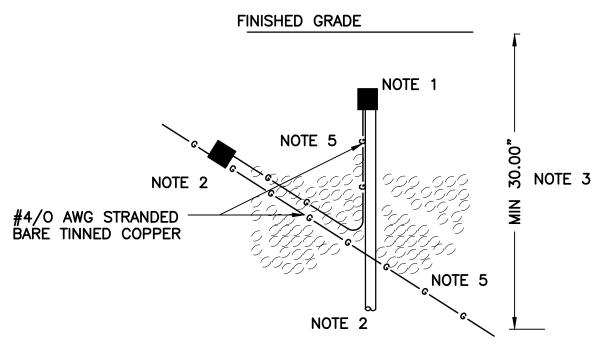
- 1. UNDERGROUND INSTALLATION OF COUNTERPOISE SYSTEM SHALL BE BURIED AT A MINIMUM DEPTH OF 30 INCHES.
- 2. ALL COMPONENTS USED IN INSTALLATION WITHIN SHALL COMPLY WITH SPECIFICATION 26 05 26.



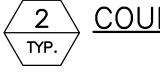
COUNTERPOISE CONDUCTOR

CONNECTION DETAIL

NOT TO SCALE

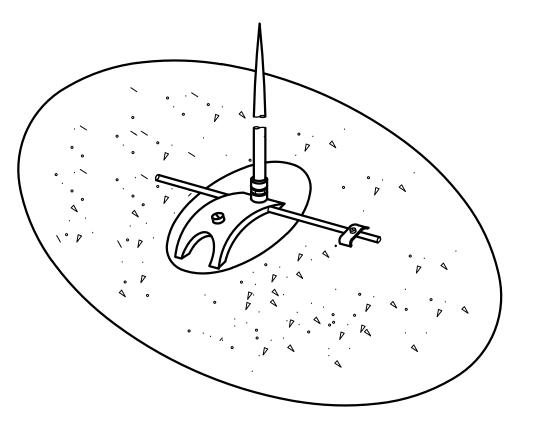


- 1. GROUND ROD TO COUNTERPOISE CONDUCTOR SHALL BE CONNECTED BY MEANS OF A EXOTHERMIC WELD. GROUND ROD SHALL BE 5/8 INCH IN DIAMETER AND 20 FOOT LENGTH MINIMUM.
- 2. COUNTERPOISE CONDUCTOR TO CONDUCTOR CONNECTION SHALL BE CONNECTED BY MEANS OF EXOTHERMIC WELD AND THE CONDUCTOR FROM COUNTERPOISE LENGTH TO GROUND ROD SHALL HAVE A MINIMUM OF 36 INCHES.
- 3. UNDERGROUND INSTALLATION OF COUNTERPOISE SYSTEM SHALL BE BURIED AT A MINIMUM DEPTH OF 30 INCHES.
- 4. ALL COMPONENTS USED IN INSTALLATION WITHIN SHALL COMPLY WITH SPECIFICATION 26 05 26.
- 5. #4/0 AWG STRANDED BARE TINNED COPPER CONDUCTOR.



# COUNTERPOISE GROUND ROD CONNECTION DETAIL

NOT TO SCALE



FLAT ROOF BASE

### - 5/8" X 12" SOLID COPPER AIR TERMINAL WITH

- ADHESIVE BASE.
- CADWELD

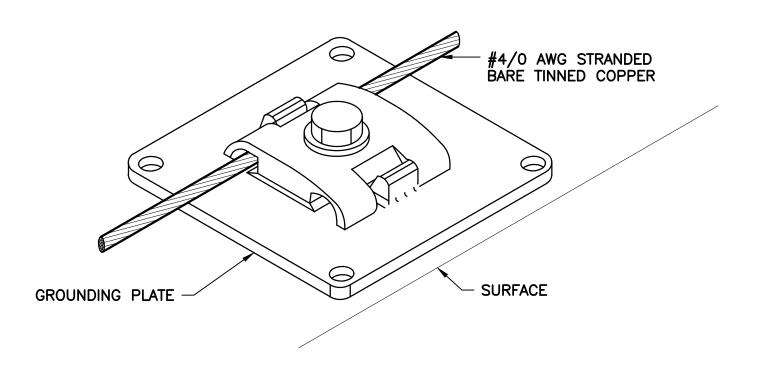
**LEGEND:** 

 $\otimes$  - 5/8" X 20'-0" (MIN) COPPER GROUNDING ROD (TYP)

#### **LIGHTNING PROTECTION INSTALLATION NOTES:**

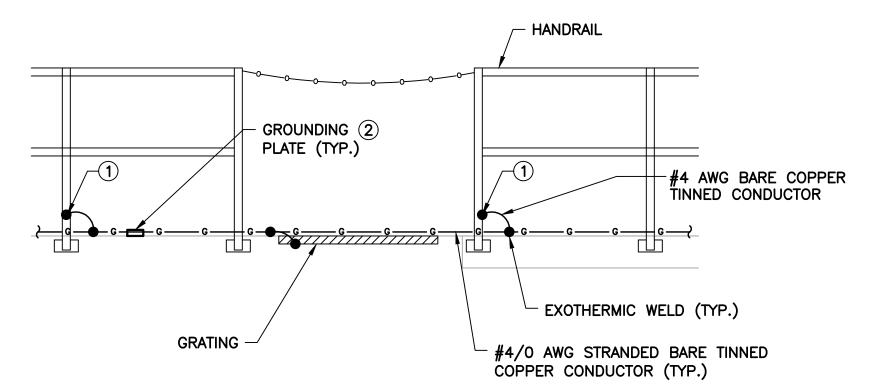
- 1. INSTALLATION SHALL COMPLY IN ALL RESPECTS TO L.P.I. CODE 175. INSTALLATION SHALL BE MADE BY OR UNDER THE SUPERVISION OF AN L.P.I. CERTIFIED MASTER INSTALLER. COMPLETED INSTALLATION TO RECEIVE SYSTEM CERTIFICATION INCLUDING SUBMITTAL OF FORMS L.P.I. 175—A AND 175—B.
- 2. ALL MATERIALS SHALL BE UNDERWRITERS LABORATORIES APPROVED WITH "A" LABEL ON EACH AIR TERMINAL AND "B" LABEL AT 10'-0" ALONG ALL MAIN CONDUCTORS. COMPLETED INSTALLATION AS SHOWN SHALL BEAR U.L. MASTER LABEL "C" AS PER U.L. CODE 96A.
- 3. INTERCONNECT LIGHTNING PROTECTION GROUND TO ELECTRIC, TELEPHONE, AND OTHER BUILDING GROUND SYSTEMS AS SHOWN OR AS REQUIRED BY CODES.
- ALL CABLE TO CABLE, CABLE TO LUG & CABLE TO GROUND ROD CONNECTIONS SHALL BE MADE WITH CADWELD.





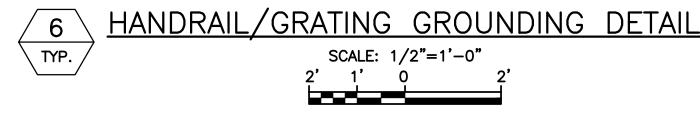
GROUNDING PLATE DETAIL

NOT TO SCALE



## NOTES:

- 1 #4 BARE TINNED COPPER CONDUCTOR TO COMPRESSION LUG MECHANICALLY CONNECTED TO RAIL, COAT CONNECTION BETWEEN LUG AND RAIL WITH CONDUCTIVE ANTI—CORROSION COMPOUND. NO ALUMINUM COMPONENTS ALLOWED. PROVIDE AN EXOTHERMIC WELD FROM #4 TO #4/0. NO MECHANICAL CONNECTION ALLOWED.
- 2 ALL EXPOSED GROUND CONDUCTORS INSTALLED ALONG SURFACE OF HANDRAIL SHALL BE SECURED USING GROUNDING PLATE. SEE DETAIL THIS SHEET.



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**BID SET** 

No. Revisions By

(Impermentable) HOLL
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PHONE: 352-438-3000

STEPHEN E. BAILEY, P.E.

D FL LICENSE NUMBER

42461

FEBRUARY 2025
SCALE: AS SHOWN
DESIGNED BY: DD
FL L
DRAWN BY: RRM
CHECKED BY: SEB DATE:

WATER

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PREPARED FOR
CITY OF OCALA, FL

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