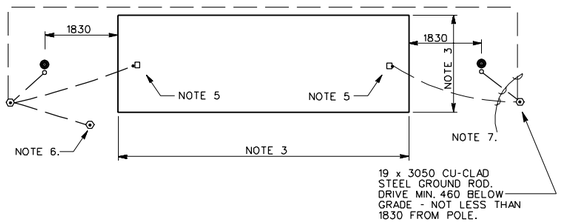
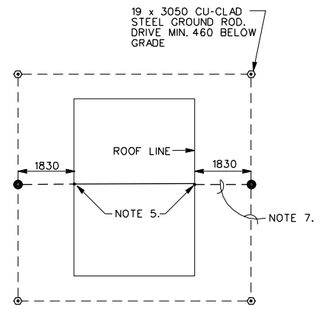


COVERED MESS LIGHTNING PROTECTION

N.T.S.



AMMO BREAKDOWN BUILDING LIGHTNING PROTECTION

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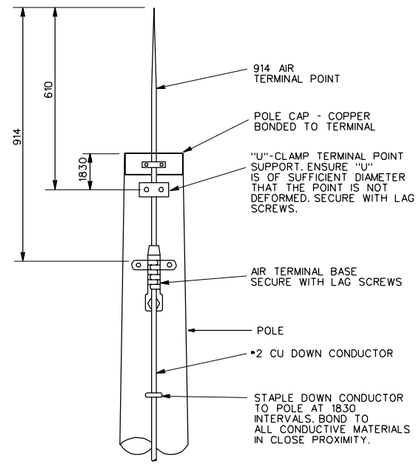
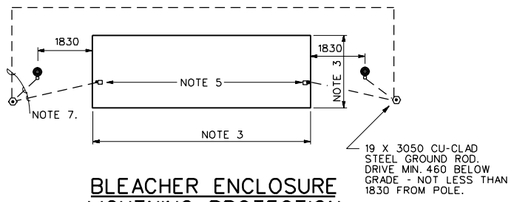


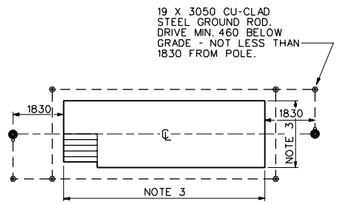
LIGHTNING PROTECTION AIR TERMINAL DETAIL

N.T.S.



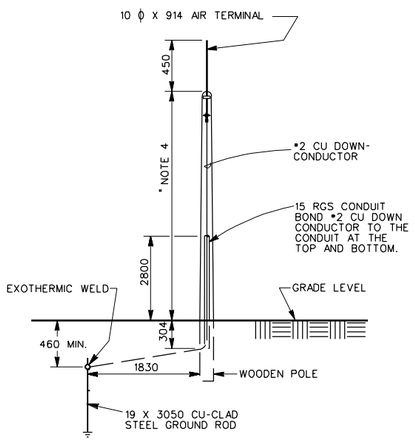
BLEACHER ENCLOSURE LIGHTNING PROTECTION

N.T.S.



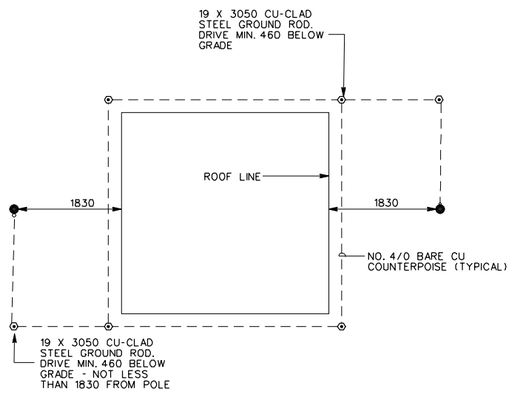
AMMO LOADING DOCK LIGHTNING PROTECTION

NTS



LIGHTNING PROTECTION ELEVATION

N.T.S.



CONTROL TOWER LIGHTNING PROTECTION

N.T.S.

NOTES:

1. POLES SHALL BE WOOD, FULL LENGTH PRESSURE TREATED.
2. COMPONENTS AND MATERIALS SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH NFPA 780.
3. SIZE OF COVERED MESS, BLEACHER ENCLOSUREIS AND AMMO LOADING DOCK ARE SITE DEPENDENT AND MUST BE BASED ON TRAINING THROUGH-PUT REQUIREMENTS.
4. HEIGHT AND CLASS OF POLES IS DEPENDENT ON SIZE AND HEIGHT OF THE COVERED MESS, BLEACHER ENCLOSURE, AMMO LOADING DOCK OR CONTROL TOWER. DESIGN IN ACCORDANCE WITH NFPA 780.
5. STRUCTURE SUPPORTS SHALL BE GROUNDED AND CONNECTED TO THE LIGHTNING PROTECTION SYSTEM GROUND RODS BELOW GRADE. CONNECTIONS SHALL BE EXOTHERMIC WELDS.
6. INTERCONNECT GROUNDING SYSTEMS WHERE SERVICE ENTRANCE GROUND IS PROVIDED.
7. GROUND LOOP CONDUCTOR SIZE IS DEPENDENT ON SITE SOIL CONDITIONS. SIZE SHALL NOT BE LESS THAN • 2 AWG, ALTHOUGH SIZES UP THROUGH 4/0 AWG ARE RECOMMENDED FOR MECHANICAL STRENGTH.

US Army Corps of Engineers

Symbol	Description	Date	Approved	Symbol	Description	Date	Approved

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Ckd by: MLR
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HUNTSVILLE, ALABAMA

FORCE XXI/FORCE MODERNIZATION PROGRAM
STANDARD DESIGN

LIGHTNING PROTECTION FOR SUPPORT STRUCTURES

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