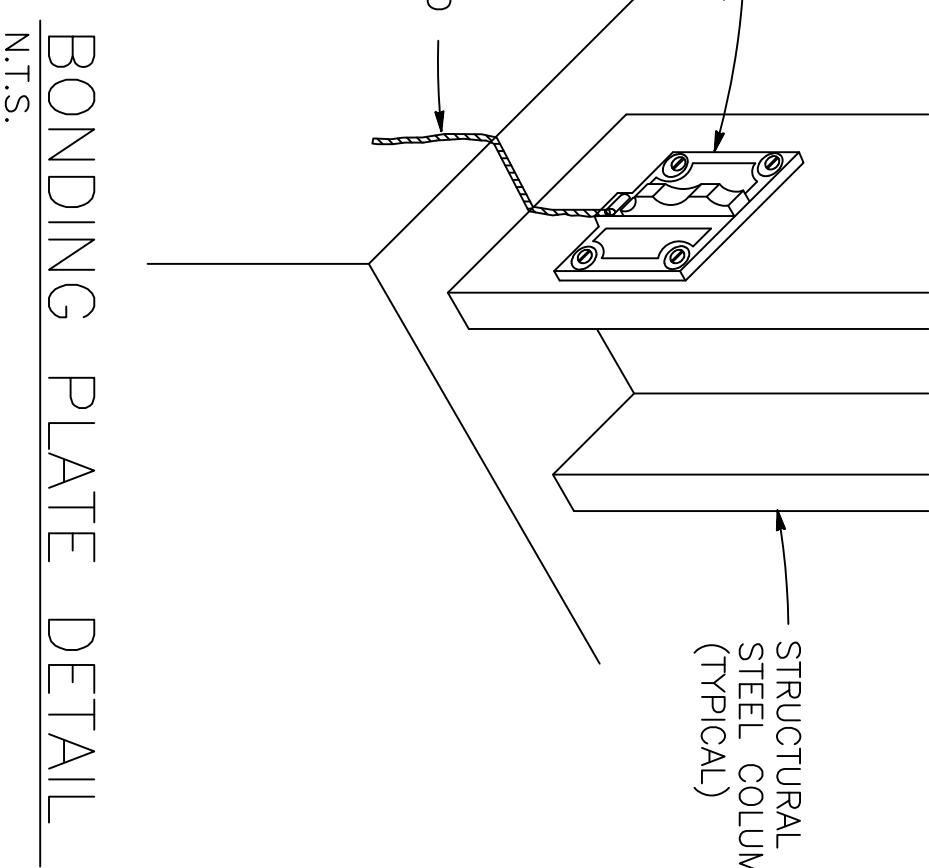
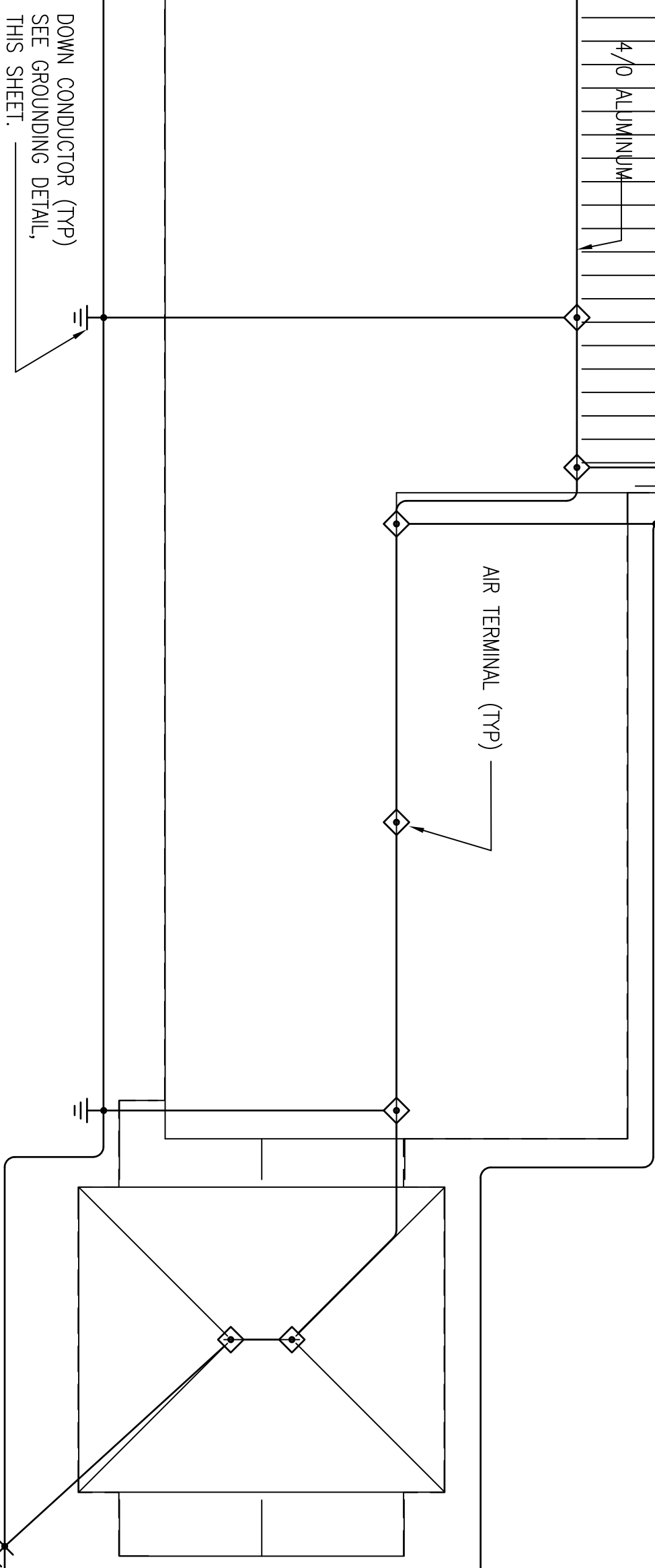
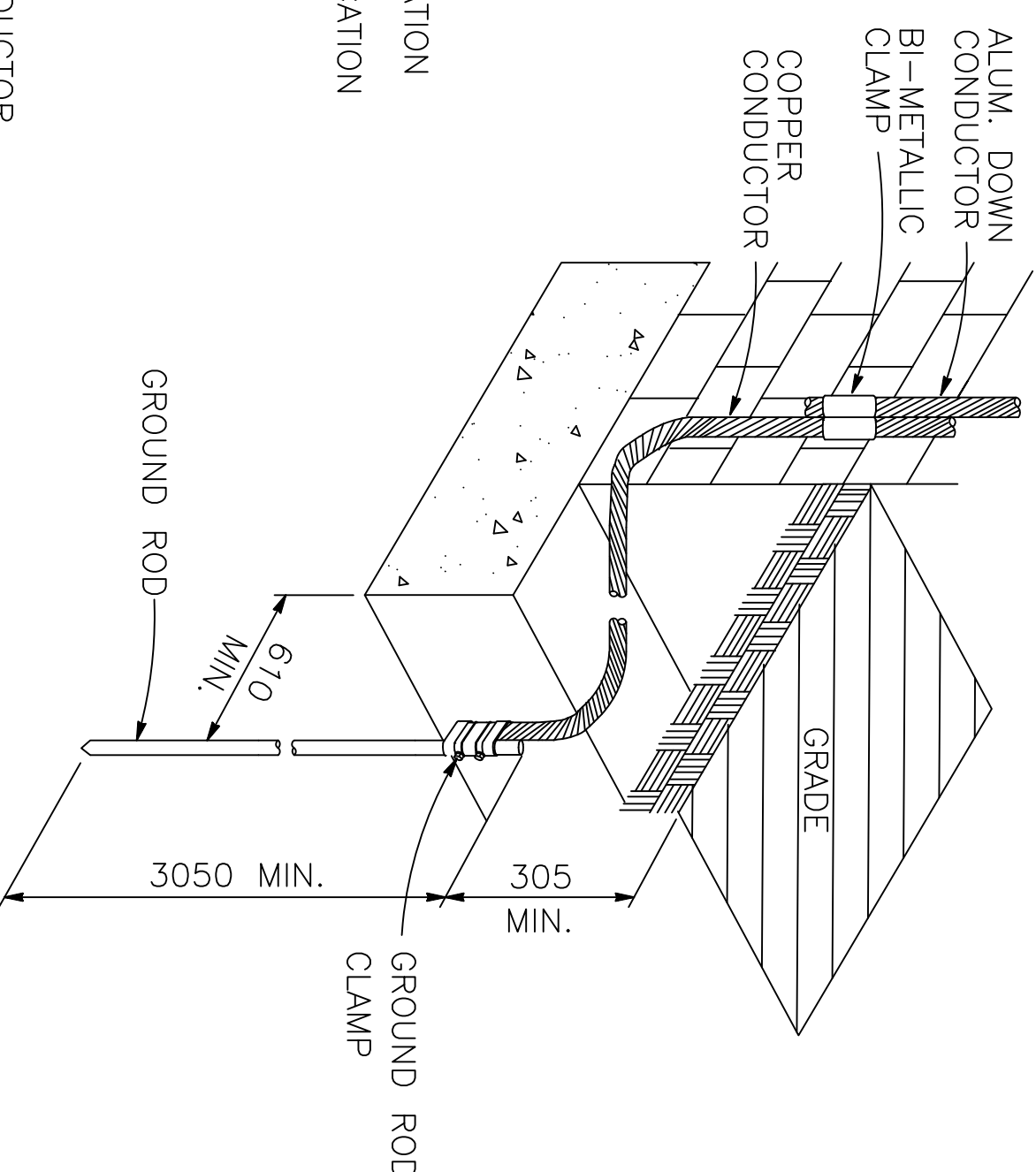
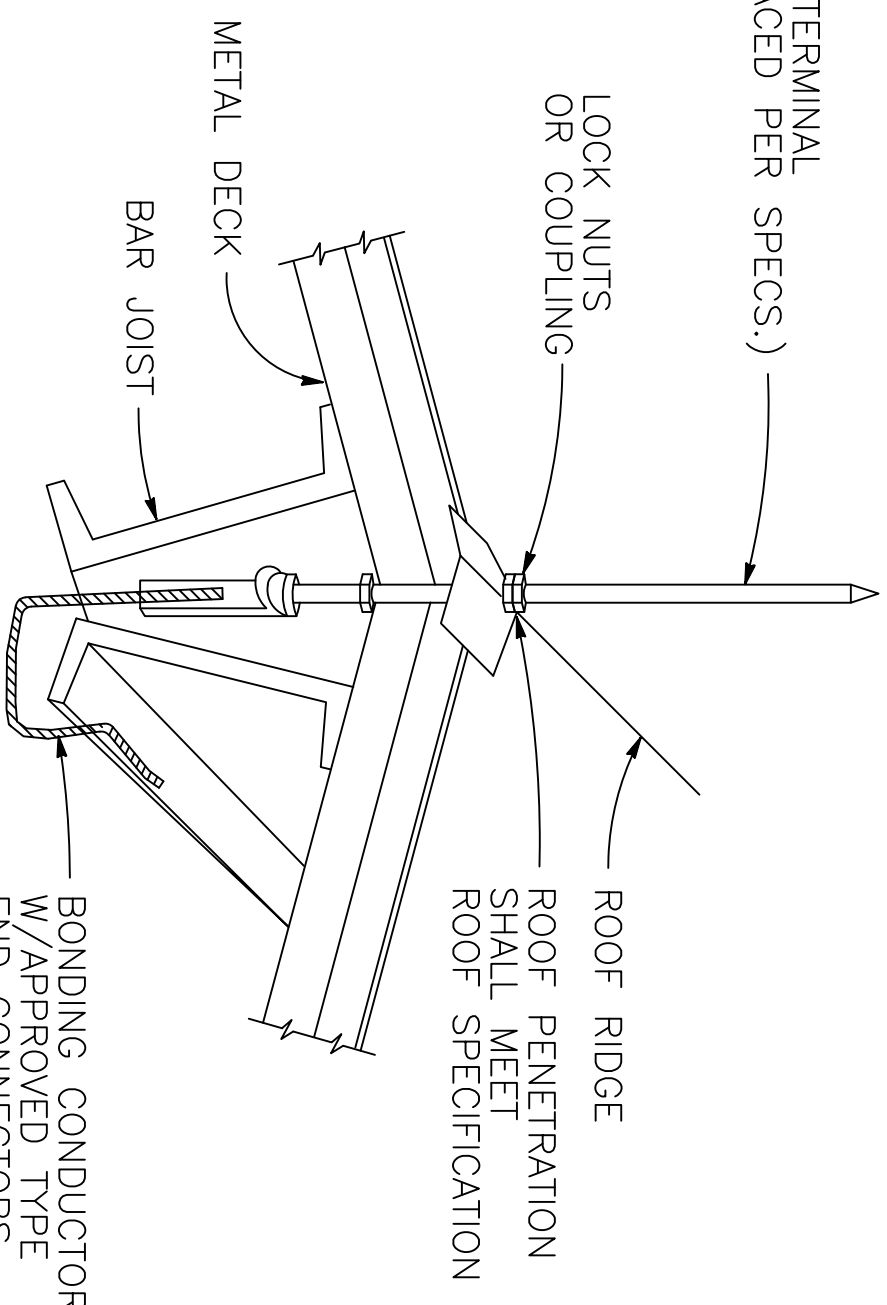
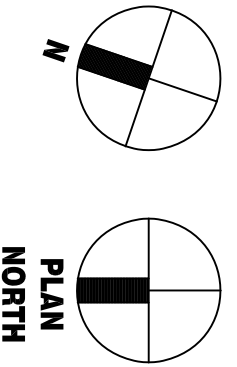


- NOTES:
1. SEE SHEET E-001 FOR LEGEND.
 2. SEE STRUCTURAL FOR EXACT SIZE AND LOCATION OF STRUCTURAL FOOTINGS.
 3. STRUCTURAL FRAMEWORK SHALL BE MADE ELECTRICALLY CONTINUOUS BY WELDING.
 4. AIR TERMINALS SHALL EXTEND NO LESS THAN 610mm ABOVE THE ROOF PARAPET.
 5. CONNECT AIR TERMINAL TO THE TOP OF THE STRUCTURAL STEEL WITH CONDUCTOR ROUTED THROUGH THE ROOF AS DETAILED.
 6. GROUND RODS SHALL BE CONNECTED TO THE BOTTOM OF THE COLUMN WITH NO. 4/0 AWG BARE COPPER CONDUCTOR AS DETAILED.
 7. ALL METAL EQUIPMENT ON THE ROOF SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.
 8. THRU ROOF FLASHING SHALL BE COPPER WITH 200mm ROUND BASE AND VERTICAL TUBE WITH NEOPRENE SEAL. FLASHING SHALL BE THE PRODUCT OF THE MANUFACTURER OF THE LIGHTNING PROTECTION THRU ROOF FLASHING.
 9. AT EACH DOWN CONDUCTOR, PROVIDE 100mm SQUARE, NEMA 3R J-BOX, AT LEAST 915mm ABOVE GRADE FOR BIMETALLIC CLAMP INSTALLATION (ALUMINUM DOWN CONDUCTOR & GROUND ROD).
 10. CONTRACTOR SHALL COORDINATE WITH ROOFING MANUFACTURER FOR PENETRATION OF ROOF.



1 LIGHTNING PROTECTION PLAN

E105 E105 SCALE: 1:100



PLAN NORTH



SCALE IN MILLIMETERS

NOTE: ALL DIMENSIONS AND/OR DIMENSIONS SHOWN IN CALLOUTS/NOTES ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

ADAL C-130J AIRCREW FUSELAGE TRAINER
 LRAF, LITTLE ROCK AR.
 Project No. NKAK 043005
 LIGHTNING PROTECTION PLAN

DEPARTMENT OF THE ARMY
 U.S. ARMY CORPS OF ENGINEERS
 LITTLE ROCK DISTRICT
 LITTLE ROCK, ARKANSAS

Atkins Benham
 a member of the WS Atkins group of companies

Designed by: RH	Drawn by: MB	Contract Date:
Reviewed by: PWD	Drwg. Code:	File Name: 151001E-105
Submitted by:	Plot date: 02/04/03	
Atkins Benham, Inc.	Plot scale: 1:1	
Invitation No.: DAC03-03-R-0021	Contract No.: DAC03-03-B-	

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

FCM
 U.S. ARMY CORPS OF ENGINEERS
 LITTLE ROCK DISTRICT

Sheet Reference Number:
E-105
 Sheet 81 of 91