

TELECOMMUNICATIONS KEY NOTES

- 12. THE CONTRACTOR SHALL BOND FLOOR TILES WITH BUILDING GROUNDING SYSTEM.
- 13. REFER TO DETAIL NO. 2, THIS DRAWING FOR FLOOR GROUNDING INFORMATION.
- 14. PROVIDE JUNCTION BOX MOUNTED AT 90" A.F.F. FOR CAMERA MONITORS. ROUTE 1 1/4-INCH CONDUIT UP INTO THE ACCESSIBLE CEILING SPACE WITH BUSH CONDUIT END. PROVIDE PULL STRINGS WITHIN THE CONDUIT SYSTEM.

TELECOMMUNICATIONS LEGEND

(4) VOIP OUTLET (VOICE AND DATA) EACH OUTLET SHALL BE (4) PORT, 4-DATA, EACH OUTLET SHALL RECEIVE (4) CATEGORY 6A CABLES, ROUTE 1 1/4-INCH EMT CONDUIT FROM OUTLET OVER TO CABLE TRAY, PROVIDE BUSH CONDUIT END AT CABLE TRAY, PROVIDE PULL TAPE WITHIN THE CONDUIT SYSTEM.

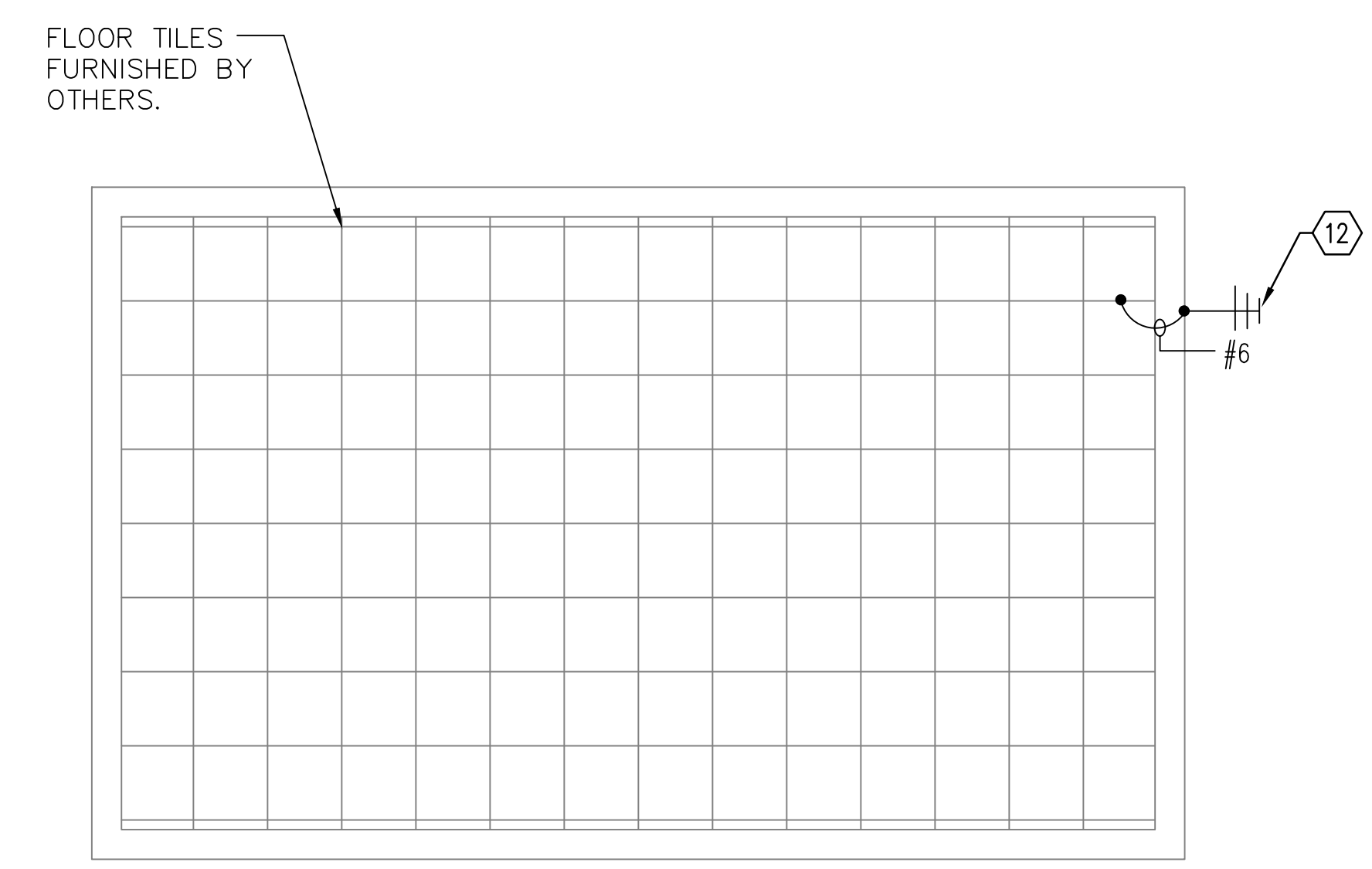
NOTE: WIRING SHALL BE IN EMT (ELECTRICAL METALLIC TUBING).

TELECOMMUNICATIONS GENERAL NOTES

- A. REFER TO DRAWING E-001 FOR ELECTRICAL LEGEND, GENERAL NOTES, AND ABBREVIATIONS.
- B. ALL DATA LOCATIONS TO BE (4) JACK PACE PLATES; REFER TO SPECIFICATION 270511 FOR DETAILS.
- C. CONDUIT USED SHALL BE 1 1/4" EMT.
- D. THE TELECOMMUNICATIONS CONTRACTOR SHALL PROVIDE FULLY ENGINEERED TELE/COMM SHOP DRAWINGS OF THE ENTIRE TELE/COMM INSTALLATION.
- E. THE TELECOMMUNICATIONS CONTRACTOR SHALL ROUTE NEW CATEGORY 6A CABLING FROM DATA OUTLET TO ROOM NO. 114.
- F. THE TELECOMMUNICATIONS CONTRACTOR SHALL MAKE FINAL TERMINATIONS AT SERVER EQUIPMENT IN ROOM NO. 114.
- G. THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN BID NUMBER ALL ASSOCIATED COST OF INSTALLING A FULLY FUNCTIONAL TELECOMMUNICATIONS SYSTEM AS INDICATED ON FLOOR PLANS.
- H. CABLING SHALL BE ROUTED IN EMT (ELECTRICAL METALLIC TUBING) UNLESS NOTED OTHERWISE.
- I. THE TELECOMMUNICATIONS CONDUIT SHALL NOT BE SHARED WITH ANY OTHER TRADES.
- J. THE TELECOMMUNICATIONS CABLE SHALL NOT EXCEED 40% FULL WITH PLANNED CABLING INSTALLED.
- K. NOT USED.
- L. THE CONTRACTOR SHALL ADD RG-6 AT EACH TELEVISION LOCATION.
- M. ALL DATA CABLING SHALL BE BLUE IN COLOR.
- N. ALL TV OUTLETS SHALL RECEIVE (2) CATEGORY 6A CABLES AND (1) COAXIAL CABLE.

TELECOMMUNICATIONS KEY NOTES

- 1. PROVIDE NEW CABLE TRAY SYSTEM WITHIN THE ACCESSIBLE CEILING SPACE, CABLE TRAY SHALL BE: 24" WIDE x 6" DEEP. PROVIDE ALL NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. PROVIDE CABLE LADDER RUNS 12" ON CENTER.
- 2. PROVIDE GROUNDING OF CABLE TRAY SYSTEM PER DETAIL 2/ET501.
- 3. THE CONTRACTOR SHALL PROVIDE VOIP (VOICE AND DATA) OUTLET, ROUTE 1 1/4-INCH EMT (ELECTRICAL METALLIC TUBING) CONDUIT WITHIN THE ACCESSIBLE CEILING SPACE FROM OUTLET OVER TO CABLE TRAY SYSTEM, PROVIDE BUSH CONDUIT END. PROVIDE PULL STRINGS IN THE EMPTY CONDUIT SYSTEM (TYPICAL). THE CONTRACTOR SHALL PROVIDE A (4) CATEGORY 6A CABLES IN THE TELECOM ROOM NO. 114 (TYPICAL) OF ALL VOIP OUTLETS.
- 4. PROVIDE (4) 4' FIRE RATED CONDUIT SLEEVES, REFER TO DETAIL 3/ET501 FOR ADDITIONAL INFORMATION.
- 5. PROVIDE TELE-COMMUNICATION GROUND BUS BAR, REFER TO DETAILS 4&5/E-501 FOR ADDITIONAL INFORMATION.
- 6. PROVIDE BONDING JUMPER AS INDICATED, REFER TO DETAIL 2/ET501 FOR ADDITIONAL INFORMATION.
- 7. IT RACK "A" SHALL BE 2-POST.
- 8. IT RACK "B" SHALL BE 4-POST.
- 9. PROVIDE 2-GANG BOX FOR PHONE RINGER.
- 10. THE CONTRACTOR SHALL ROUTE CATEGORY 6A CABLING WITHIN 1 1/4" EMT (ELECTRICAL METALLIC TUBING) FROM DATA OUTLET BOX TO SERVER LOCATED IN ROOM NO. 114.
- 11. APPROXIMATE LOCATION OF (8) 4" CONDUITS PENETRATE THE CONCRETE FLOOR SLAB. FOUR CONDUITS SHALL BE FOR LOOP "A" AND FOUR CONDUITS FOR LOOP "B". REFER TO DRAWING ES101 FOR ADDITIONAL INFORMATION.



2 TELECOM ROOM NO. 114 - FLOOR GROUNDING DETAIL
SCALE NOT TO SCALE

1 TELECOMMUNICATIONS PLAN - FIRST FLOOR
SCALE 3/16" = 1'-0"

KEY PLAN - FIRST FLOOR
NOT TO SCALE

ADDENDUM 1 ADDENDUM 3 Revisions: _____ Date: _____	08-09-2024 01-24-2025	CONSULTANT	ARCHITECT/ENGINEER OF RECORD Architecture Engineering Design-Build 9000 Wesley Place, Louisville, KY 40222 www.paradigmusa.com	STAMP 	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title TELECOMMUNICATIONS PLAN FIRST FLOOR	Phase 100% CONSTRUCTION DOCUMENTS	Project Title SIOUX FALLS BOILER PLANT	Project Number 438-22-900
	Approved: Project Director	Fully Sprinklered	Location VAMC-Sioux Falls: 2501 W 22nd St, Sioux Falls, SD 57105	Issue Date 06/25/2024	Checked WLM	Drawn KMB	Building Number 12	Drawing Number ET101	