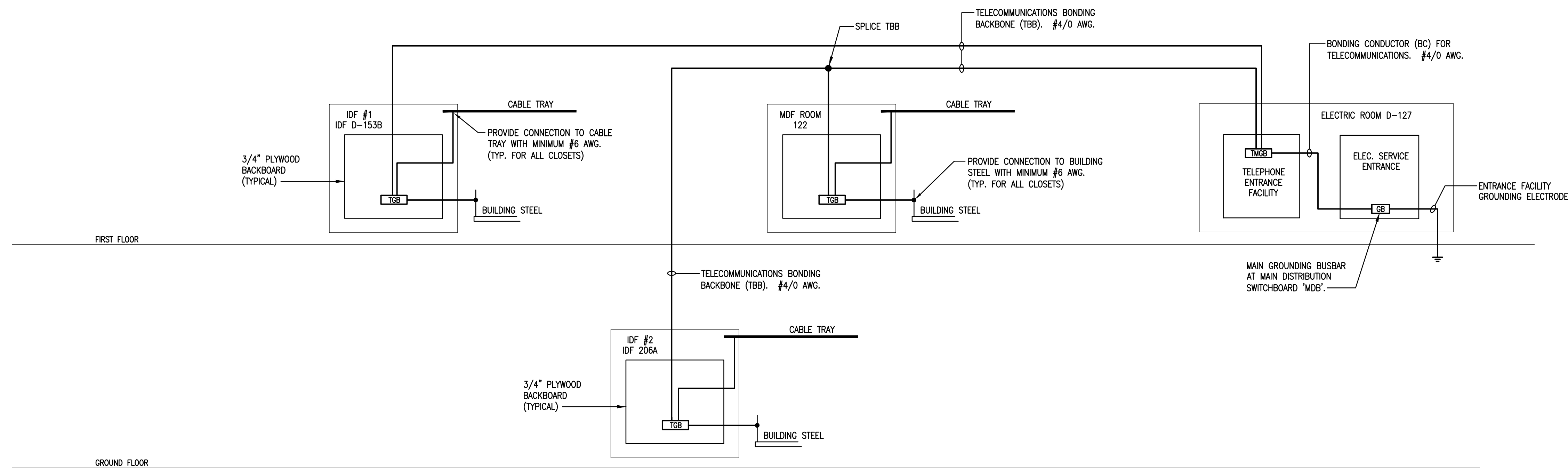
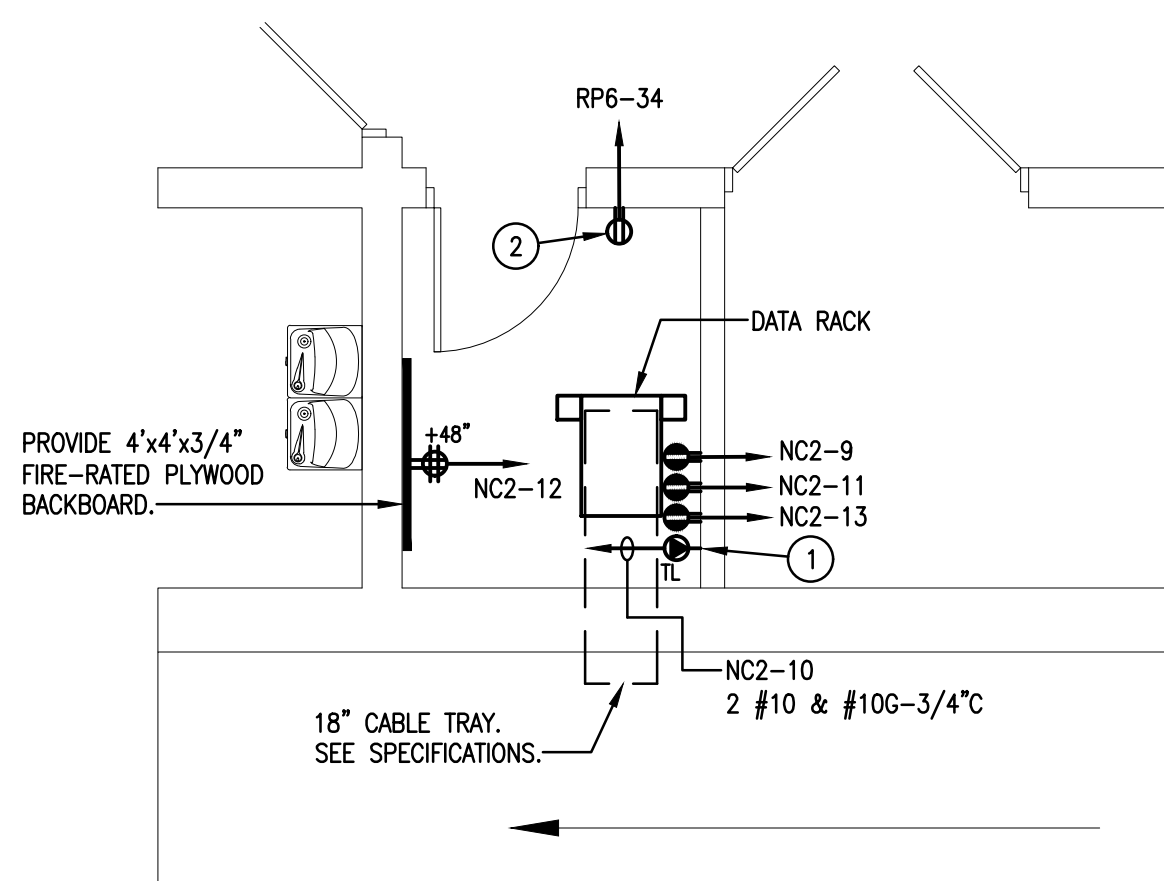
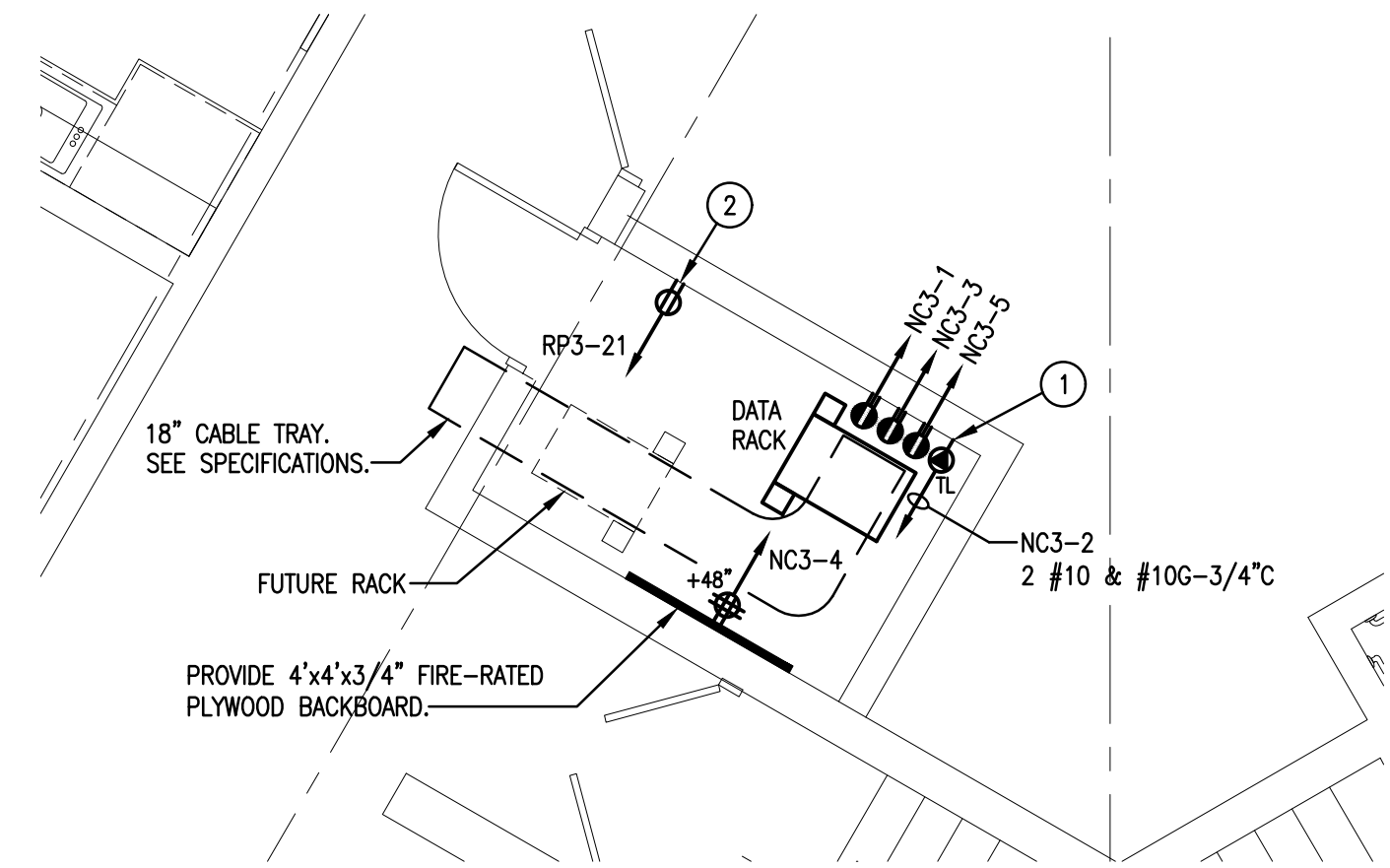


### DATA/TELEPHONE RISER DIAGRAM

NO SCALE

NOTES:

- ALL FIBER OPTIC BACKBONE CABLES SHALL BE ARMORED TYPE. REFER TO SPECIFICATIONS.
- REFER TO SPECIFICATIONS FOR SPECIFIC INSTALLATION PROCEDURES.
- PROVIDE ALL REQUIRED PUNCH DOWN BLOCKS, CROSS CONNECTS AND FIBER TERMINATIONS. TERMINATE ALL FIBER AND COPPER CABLES.



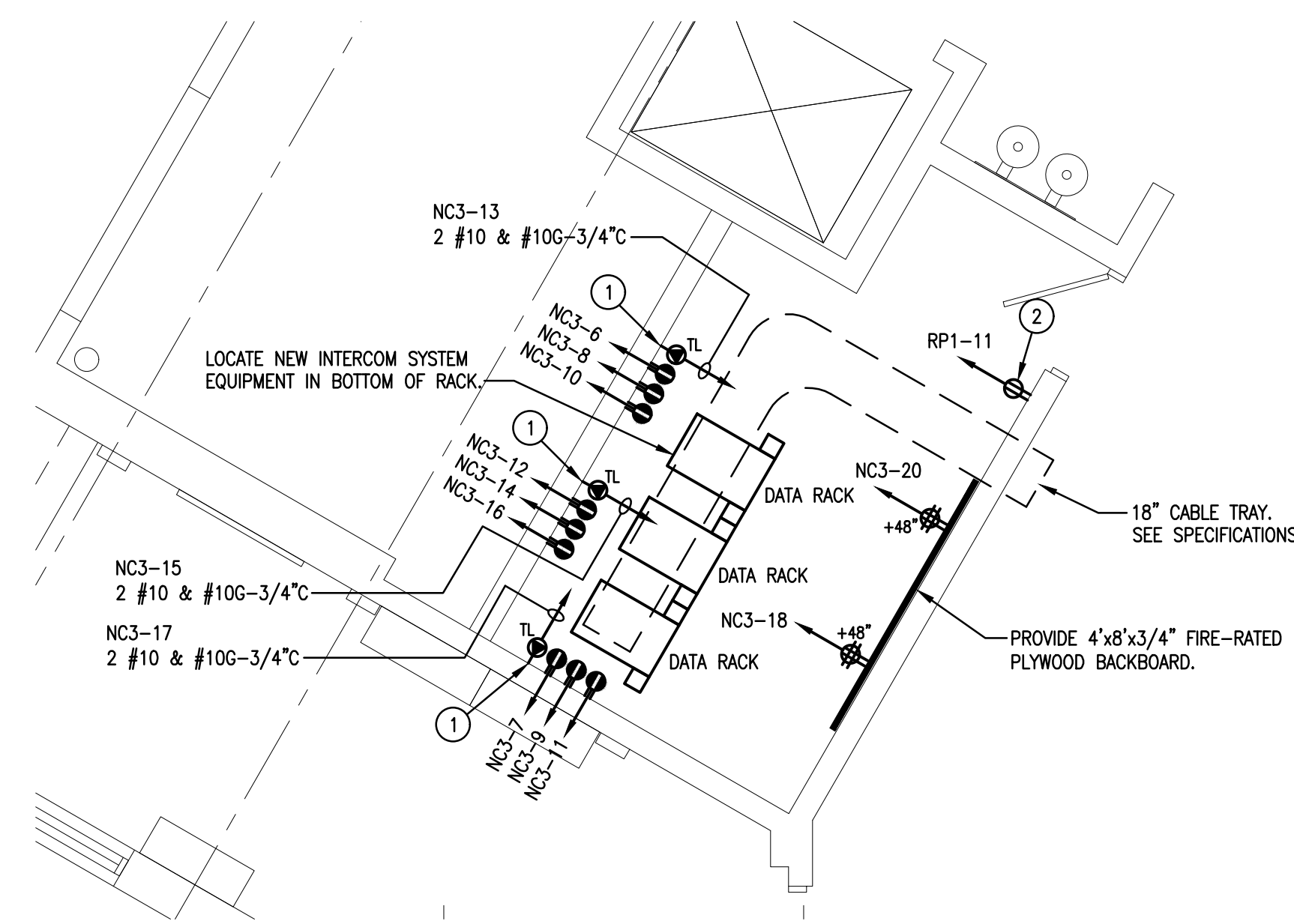
### TELECOMMUNICATIONS GROUNDING AND BONDING DIAGRAM

NO SCALE

- TBB** - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR - SIMILAR TO ALPHA EQUIPMENT #A890109, 4" X 12" ISOLATED WALL MOUNTED GROUND BAR ASSEMBLY, CONNECT TO TELECOMMUNICATIONS BONDING CONDUCTOR.
- TGB** - TELECOMMUNICATIONS GROUNDING BUSBAR - SIMILAR TO ALPHA EQUIPMENT #A890109, 4" X 12" ISOLATED WALL MOUNTED GROUND BAR ASSEMBLY, CONNECT TO TELECOMMUNICATIONS BONDING BACKBONE.
- GB** - ELECTRICAL EQUIPMENT GROUNDING BUSBAR.

#### GROUNDING NOTES:

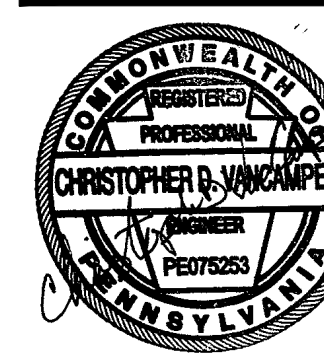
- EACH TBB THAT REACHES A TGB LOCATION MUST BE BONDED TO THE TGB.
- A TMGB IS DIRECTLY BONDED TO THE ELECTRICAL SERVICE GROUND. ALL TBBs END ON THIS BUSBAR.
- EACH TBB SHALL BE A CONTINUOUS CONDUCTOR FROM THE TMGB TO THE FARTHEST TGB. INTERMEDIATE TGBs SHOULD BE SPICED TO THE TBB WITH A SHORT BONDING CONDUCTOR.
- EACH TGB IS ALSO DIRECTLY BONDED TO BUILDING STRUCTURAL STEEL, CABLE TRAY AND OTHER PERMANENT METALLIC SYSTEMS, IF CLOSE AND ACCESSIBLE WITH MINIMUM #6 AWG.
- THE TGB AND TBB MUST BE VISIBLY LABELED AND PHYSICALLY SECURED.
- EACH OF THE GROUNDING BUSBARS IS USED BY TELECOMMUNICATIONS EQUIPMENT AND CABLE INSTALLERS AS THE LOCAL APPROVED GROUND.
- ALL WIRING, BUSBAR KITS, AND HARDWARE SHALL BE PROVIDED FOR A CONTINUOUS SYSTEM. MOUNT BUSBAR LOW ON PLYWOOD BACKBOARD.
- PROVIDE WIRING FROM EQUIPMENT RACK TO BUSBAR.



#### DRAWING NOTES:

- PROVIDE 30 AMP, 120 VOLT, TWIST-LOCK RECEPTACLE. PROVIDE RED COLOR WIRING DEVICE AND COVER PLATE. COORDINATE EXACT LOCATION OF RECEPTACLE AND ADJACENT RECEPTACLE(S) WITH OWNER PRIOR TO ROUGH-IN.
- LABEL RECEPTACLE COVER PLATE "NORMAL POWER ONLY".

CONSOLIDATED  
ENGINEERS



AEM ARCHITECTS, INC.  
3700 PERKINSMEN AVENUE, READING, PA. 19608-2795  
Phone: 610.779.3620 Fax: 610.779.3622  
www.aemarch.com

COMMUNICATION RISER DIAGRAMS

RENOVATIONS TO THE  
REAMSTOWN ELEMENTARY SCHOOL  
COCALICO SCHOOL DISTRICT  
SOUTHREAMSTOWN ROAD, REAMSTOWN, PENNSYLVANIA, LANCASTER COUNTY, PA

ALL DIMENSIONS AND EXISTING CONDITIONS  
SHALL BE CHECKED AND VERIFIED  
BY THE CONTRACTOR AT THE SITE.

JOB NO.: 22011.00  
DRAWN BY: DS  
DATE: 04.14.23