

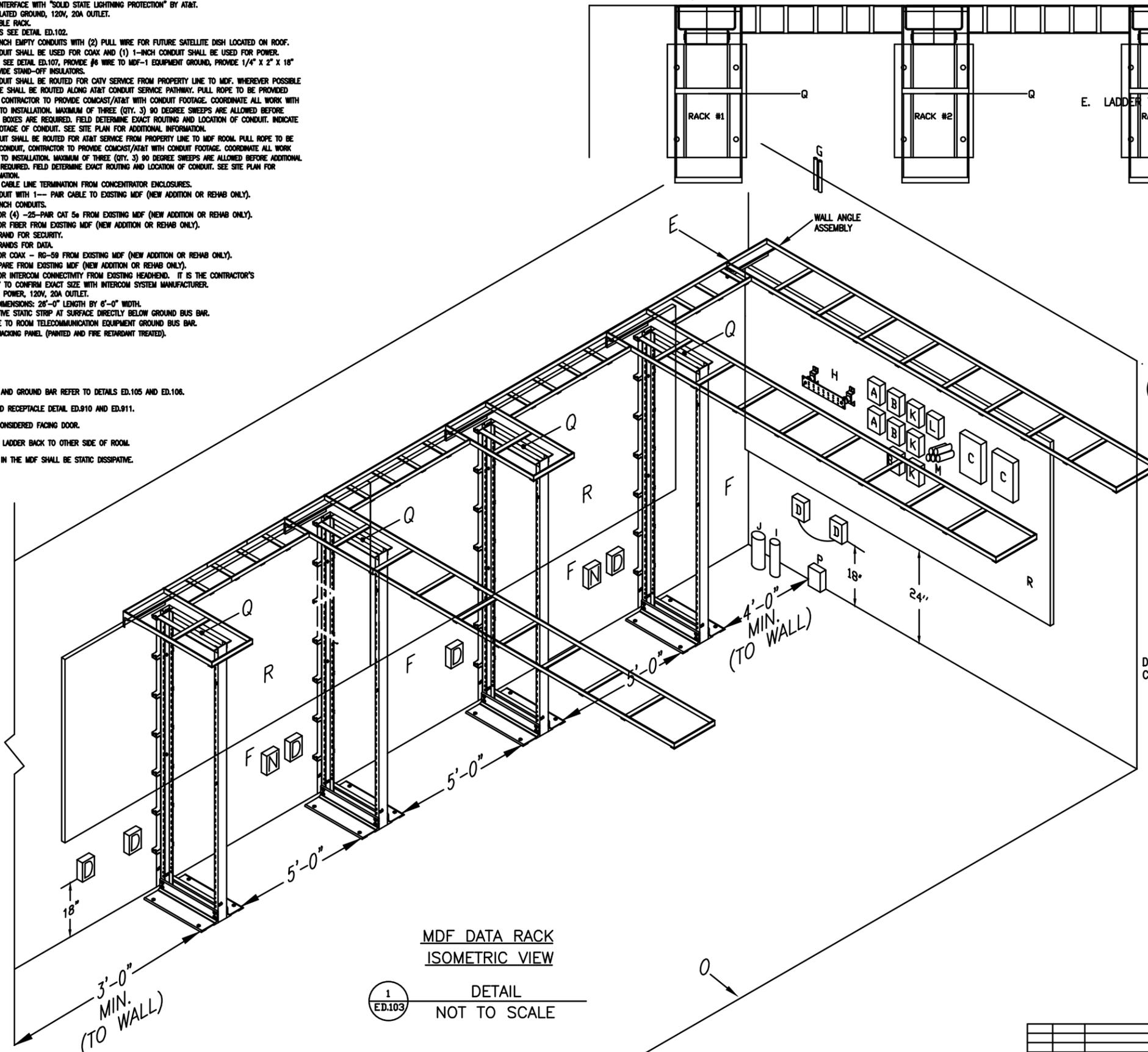
**DRAWING NOTES:**

- A. STATION/RISER CABLE TERMINATIONS.
- B. LINE AND STATION TERMINATIONS FROM TELEPHONE SYSTEM SWITCH.
- C. AT&T NETWORK INTERFACE WITH "SOLID STATE LIGHTNING PROTECTION" BY AT&T.
- D. QUADRIplex ISOLATED GROUND, 120V, 20A OUTLET.
- E. LADDER TYPE CABLE RACK.
- F. EQUIPMENT RACKS SEE DETAIL ED.102.
- G. PROVIDE (2) 1-INCH EMPTY CONDUITS WITH (2) PULL WIRE FOR FUTURE SATELLITE DISH LOCATED ON ROOF.  
(1) 1-INCH CONDUIT SHALL BE USED FOR COAX AND (1) 1-INCH CONDUIT SHALL BE USED FOR POWER.
- H. BUS GROUND BAR SEE DETAIL ED.107, PROVIDE #6 WIRE TO MDF-1 EQUIPMENT GROUND, PROVIDE 1/4" X 2" X 18" GROUND BUS, PROVIDE STAND-OFF INSULATORS.
- I. (1) 3-INCH CONDUIT SHALL BE ROUTED FOR CITY SERVICE FROM PROPERTY LINE TO MDF. WHEREVER POSSIBLE INCOMING SERVICE SHALL BE ROUTED ALONG AT&T CONDUIT SERVICE PATHWAY. PULL ROPE TO BE PROVIDED WITHIN CONDUIT, CONTRACTOR TO PROVIDE COMCAST/AT&T WITH CONDUIT FOOTAGE. COORDINATE ALL WORK WITH COMCAST PRIOR TO INSTALLATION. MAXIMUM OF THREE (QTY. 3) 90 DEGREE SWEEPS ARE ALLOWED BEFORE ADDITIONAL PULL BOXES ARE REQUIRED. FIELD DETERMINE EXACT ROUTING AND LOCATION OF CONDUIT. INDICATE TOTAL LINEAL FOOTAGE OF CONDUIT. SEE SITE PLAN FOR ADDITIONAL INFORMATION.
- J. (1) 4-INCH CONDUIT SHALL BE ROUTED FOR AT&T SERVICE FROM PROPERTY LINE TO MDF ROOM. PULL ROPE TO BE PROVIDED WITHIN CONDUIT, CONTRACTOR TO PROVIDE COMCAST/AT&T WITH CONDUIT FOOTAGE. COORDINATE ALL WORK WITH AT&T PRIOR TO INSTALLATION. MAXIMUM OF THREE (QTY. 3) 90 DEGREE SWEEPS ARE ALLOWED BEFORE ADDITIONAL PULL BOXES ARE REQUIRED. FIELD DETERMINE EXACT ROUTING AND LOCATION OF CONDUIT. SEE SITE PLAN FOR ADDITIONAL INFORMATION.
- K. 25 PAIR CAT 5e CABLE LINE TERMINATION FROM CONCENTRATOR ENCLOSURES.
- L. (1) 2-INCH CONDUIT WITH 1--- PAIR CABLE TO EXISTING MDF (NEW ADDITION OR REHAB ONLY).
- M. PROVIDE (5) 2-INCH CONDUITS.  
1. (1) 2-INCH FOR (4) -25-PAIR CAT 5e FROM EXISTING MDF (NEW ADDITION OR REHAB ONLY).  
2. (1) 2-INCH FOR FIBER FROM EXISTING MDF (NEW ADDITION OR REHAB ONLY).  
2.1. (1) 6-STRAND FOR SECURITY.  
2.2. (2) 6-STRANDS FOR DATA.  
3. (1) 2-INCH FOR COAX - RG-59 FROM EXISTING MDF (NEW ADDITION OR REHAB ONLY).  
4. (1) 2-INCH SPARE FROM EXISTING MDF (NEW ADDITION OR REHAB ONLY).  
5. (1) 2-INCH FOR INTERCOM CONNECTIVITY FROM EXISTING HEADEND. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM EXACT SIZE WITH INTERCOM SYSTEM MANUFACTURER.
- N. DUPLEX COMMON POWER, 120V, 20A OUTLET.
- O. MINIMUM ROOM DIMENSIONS: 28'-0" LENGTH BY 6'-0" WIDTH.
- P. PROVIDE DISSIPATIVE STATIC STRIP AT SURFACE DIRECTLY BELOW GROUND BUS BAR.
- Q. PROVIDE #6 WIRE TO ROOM TELECOMMUNICATION EQUIPMENT GROUND BUS BAR.
- R. 4'-0" X 8'-0" BACKING PANEL (PAINTED AND FIRE RETARDANT TREATED).

**NOTES**

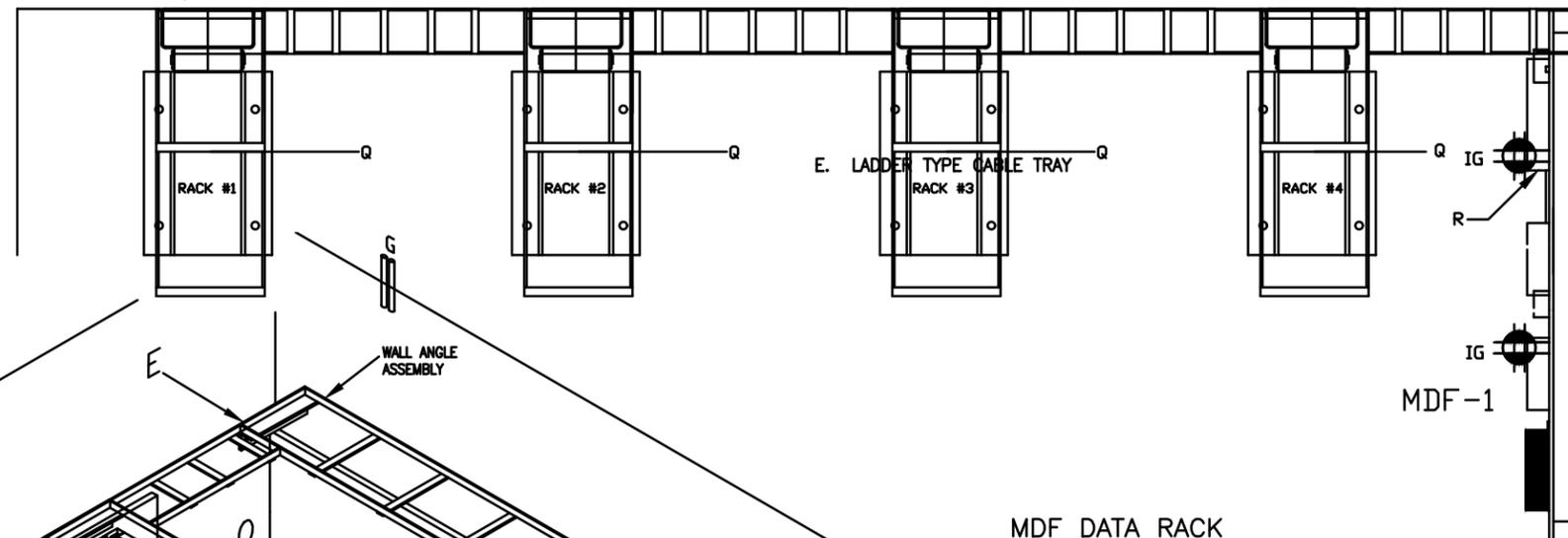
- 1. FOR RACK MOUNTING AND GROUND BAR REFER TO DETAILS ED.105 AND ED.106.
- 2. FOR ISOLATED GROUND RECEPTACLE DETAIL ED.910 AND ED.911.
- 3. FRONT OF RACK IS CONSIDERED FACING DOOR.
- 4. ON RACK #3 EXTEND LADDER BACK TO OTHER SIDE OF ROOM.
- 5. THE FINISHED FLOOR IN THE MDF SHALL BE STATIC DISSIPATIVE.

SEE ORGANIZER SYSTEM  
TOP VIEW DETAIL THIS SHEET



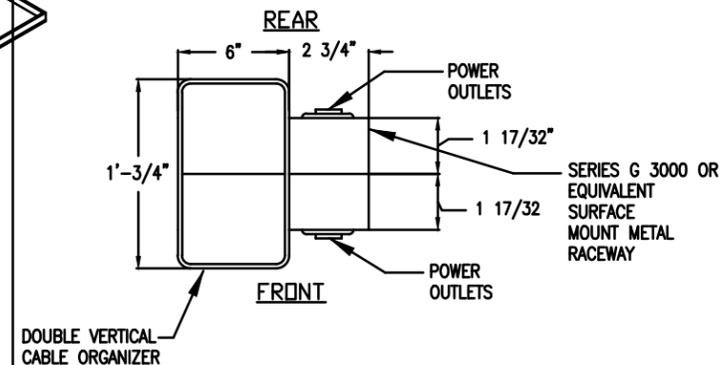
MDF DATA RACK  
ISOMETRIC VIEW

1  
ED.103  
DETAIL  
NOT TO SCALE



MDF DATA RACK  
TOP VIEW

2  
ED.103  
DETAIL  
NOT TO SCALE



ORGANIZER SYSTEM  
TOP VIEW

3  
ED.103  
DETAIL  
NOT TO SCALE

CHICAGO PUBLIC SCHOOLS  
CAPITAL IMPROVEMENT PROGRAM  
INFORMATION TECHNOLOGY SERVICE  
INFRASTRUCTURE STANDARDS  
NARROW MDF ROOM  
LAYOUT

DESIGNED CPS	PROJECT NUMBER	SCALE NONE	DATE 04/25/18	SHEET NO. ED.103
DRAWN CPS				
CHECKED CPS				
APPROVED CPS				
BY				
NO.	DATE	REVISION		