

REFERENCE DRAWING E2.1
SCALE 1/4" = 1'-0"

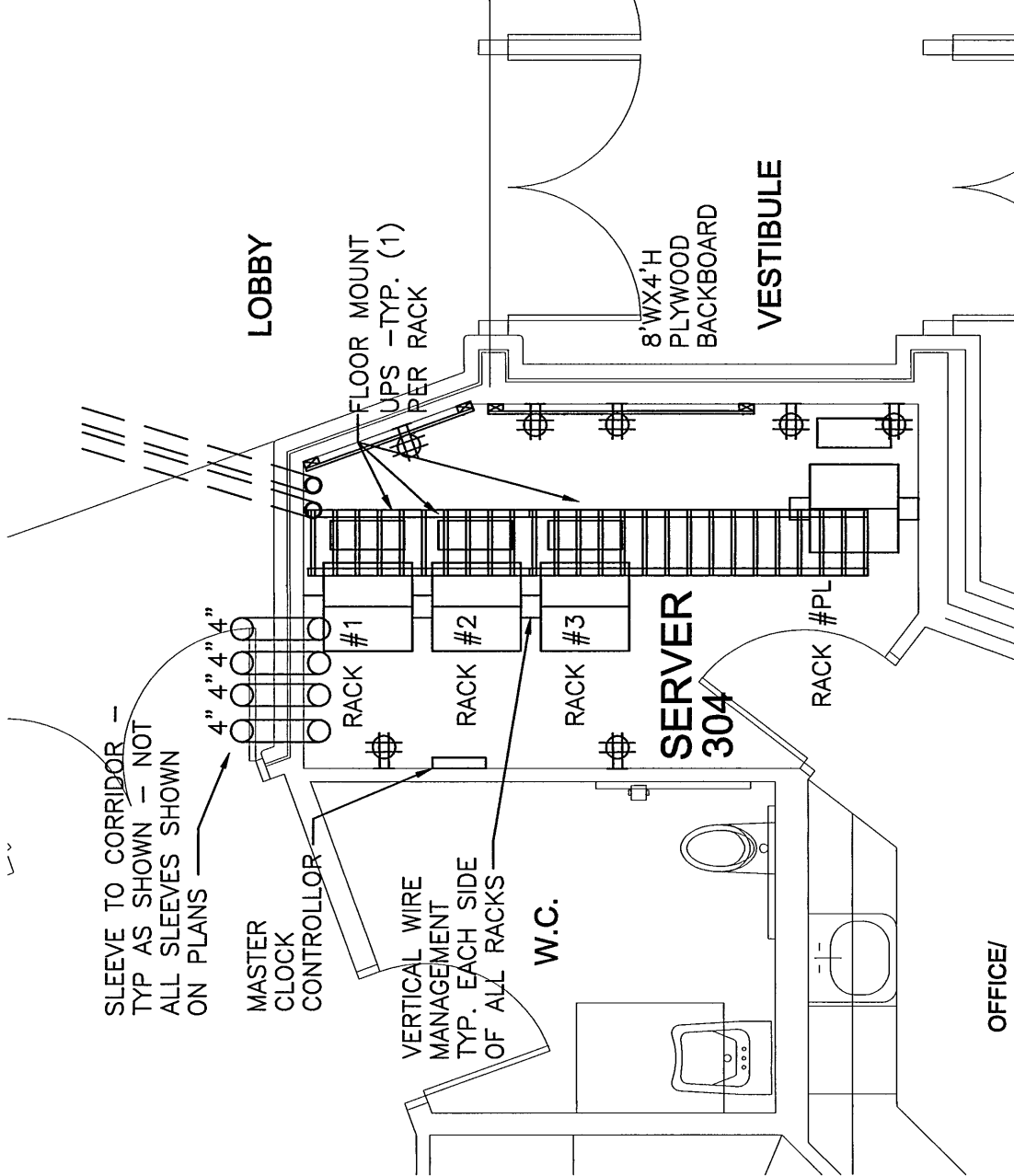
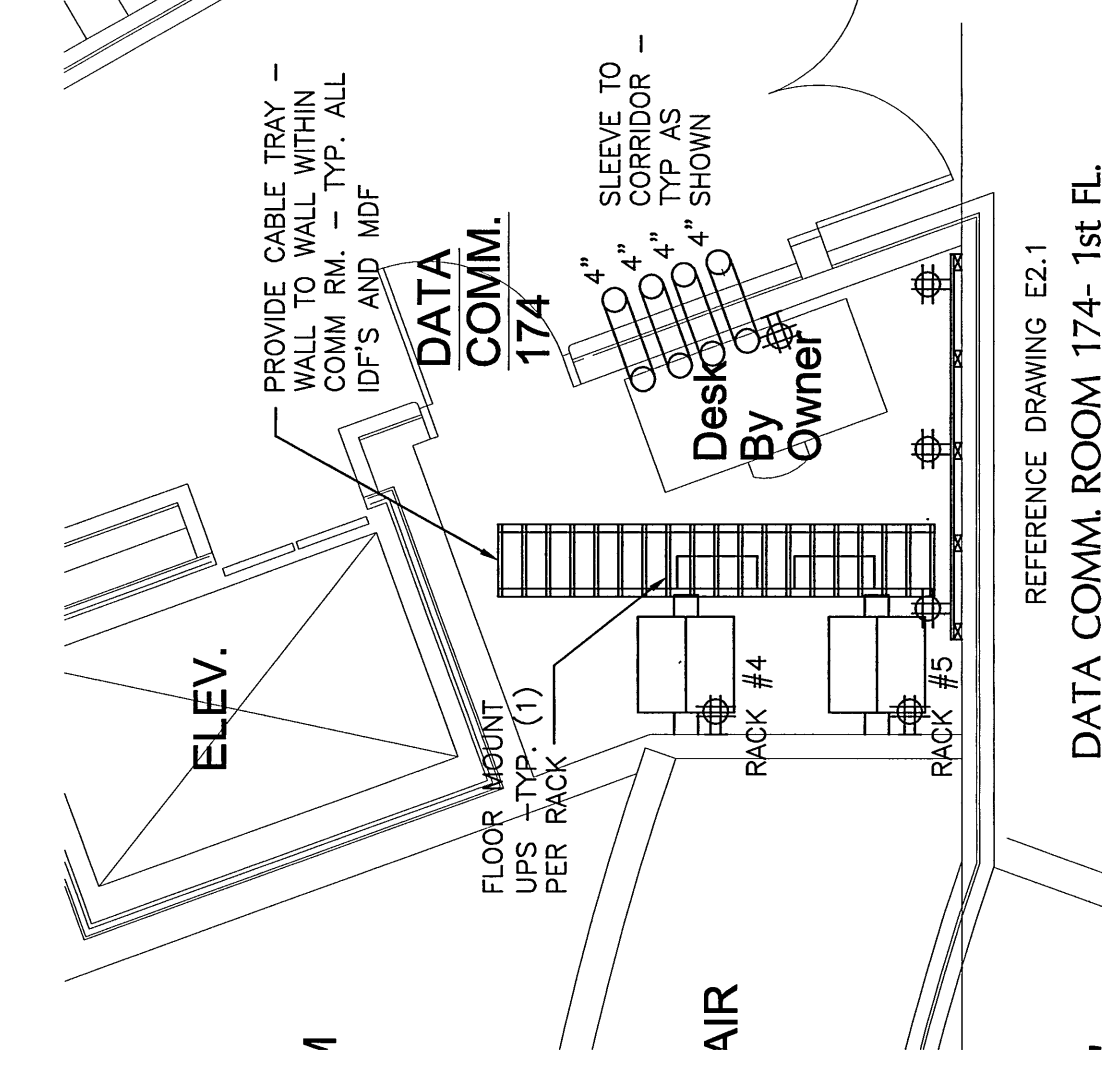
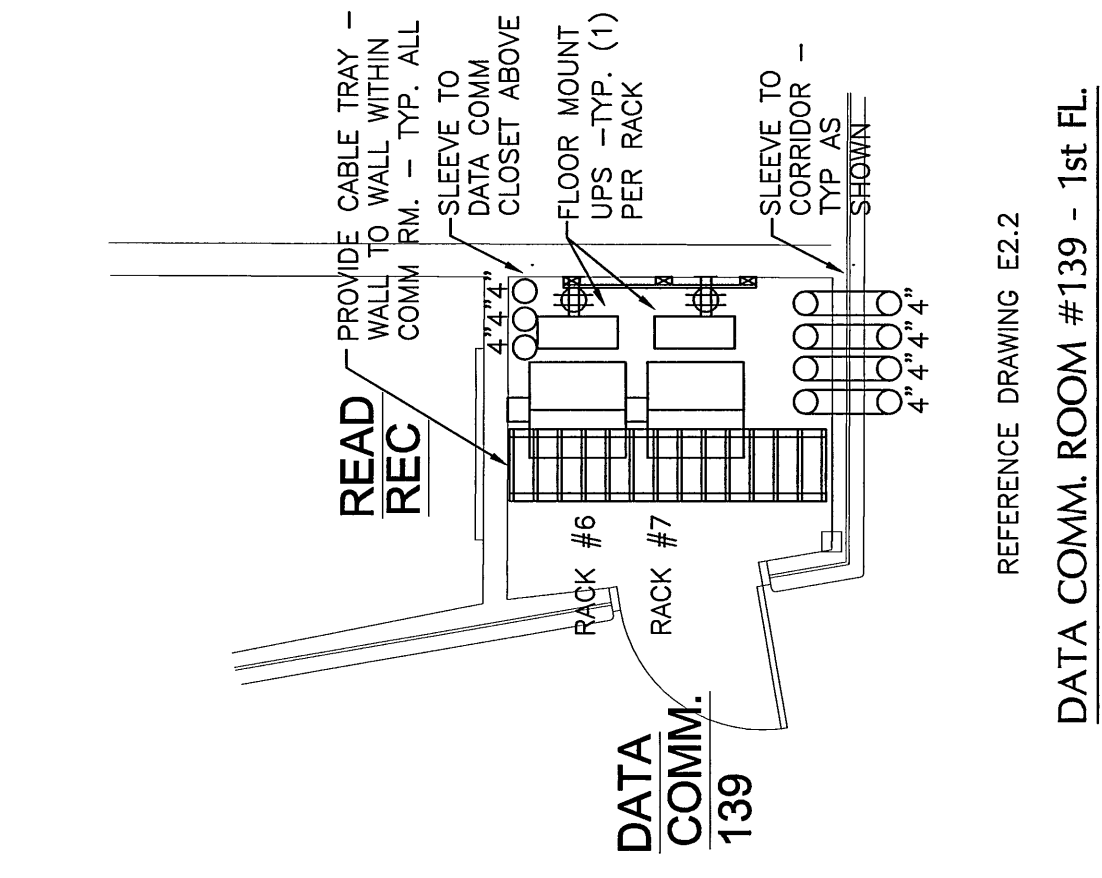
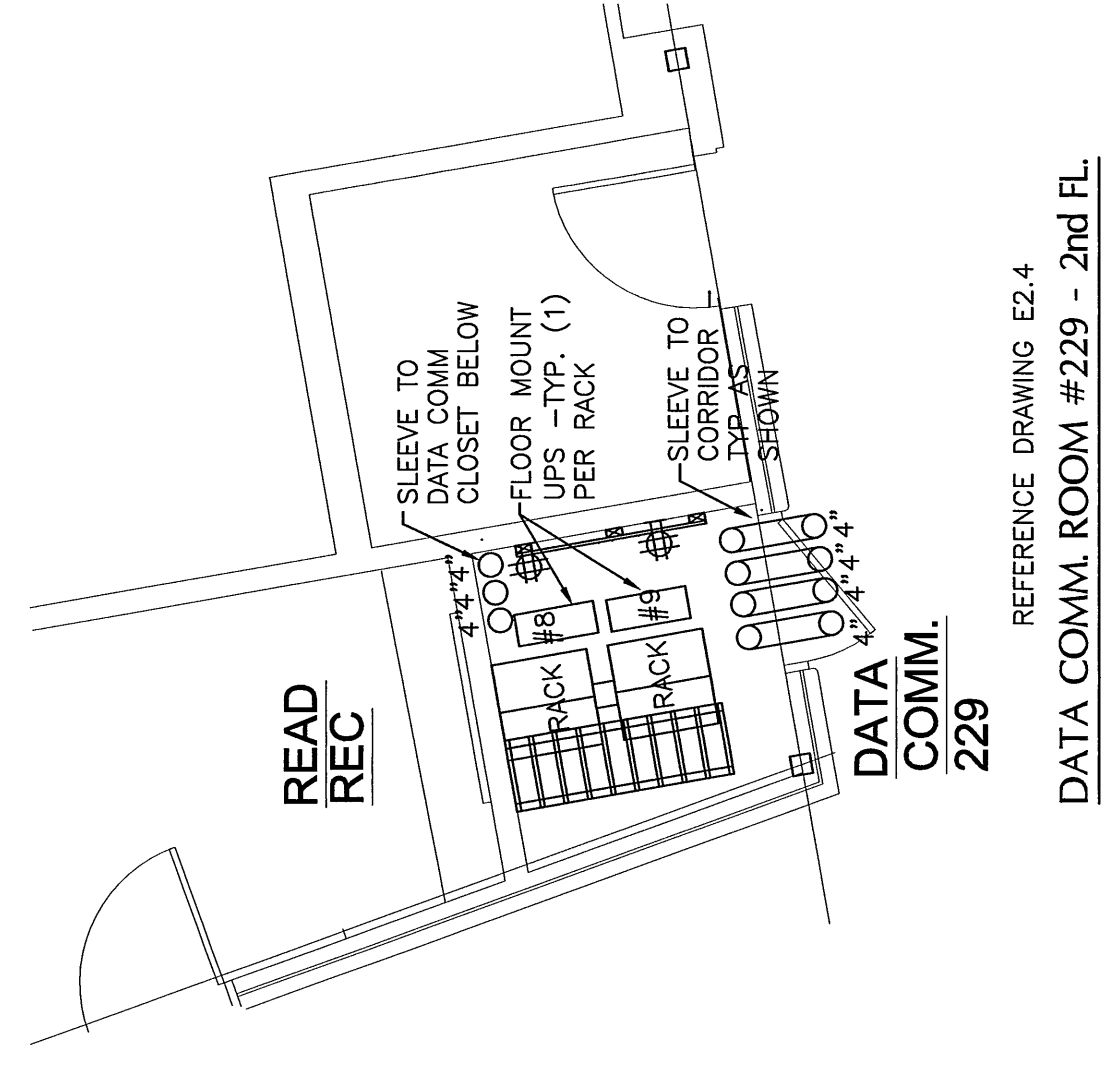
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SCALE 1/4" = 1'-0"

REFERENCE DRAWING E2.3
SCALE 1/4" = 1'-0"

REFERENCE DRAWING E2.1
SCALE 1/4" = 1'-0"

REFERENCE DRAWING E2.1
SCALE 1/4" = 1'-0"

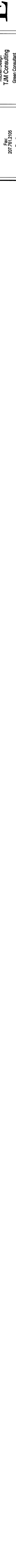
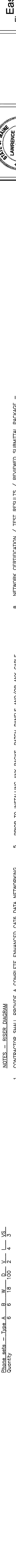
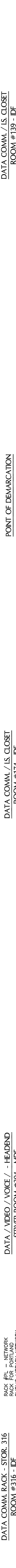
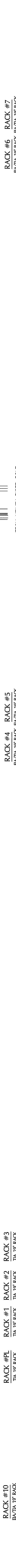
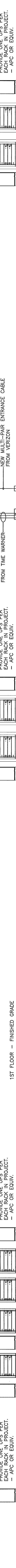
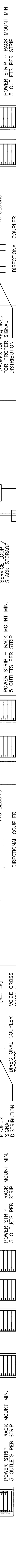
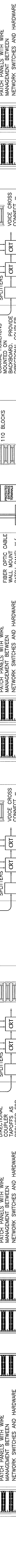
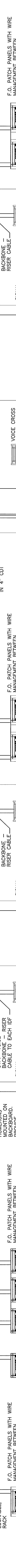
REFERENCE DRAWING E2.1
SCALE 1/4" = 1'-0"



REFERENCE DRAWING E2.2
SCALE 1/4" = 1'-0"

REFERENCE DRAWING E2.1
SCALE 1/4" = 1'-0"

REFERENCE DRAWING E2.1
SCALE 1/4" = 1'-0"



TELECOMMUNICATIONS RISER DIAGRAM
 NOT TO SCALE

NOTES - RISER DIAGRAM
 1. CONTRACTOR SHALL PROVIDE A COMPLETE ENHANCED CAT6 DATA NETWORKING SYSTEM INCLUDING ALL PATCH PANELS, SPLITTERS, UPS, UPS STRIPS, UTP CABLES, AND CAT6 PATCH PANELS, POWER STRIPS, AND MISCELLANEOUS HARDWARE.
 2. PROVIDE PATCH PANELS AND TERMINATIONS FOR ALL CABLES AND NETWORK OUTLET JACKS. PROVIDE MIN. 20% SPARE PATCH PANEL CAPACITY IN ALL RACKS.
 3. PROVIDE RACKS WITH BOTH VERTICAL AND HORIZONTAL CABLE MANAGERS.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING CABLE LOADING REQUIREMENTS FOR SPRINKLERED AND NON-SPRINKLERED AREAS (FOR ABOVE CEILING APPLICATIONS) REFERRED BY THE STATE FIRE MARSHALL'S OFFICE FOR ABOVE CEILING APPLICATIONS.

NOTES - RACK #10 TO #19
 5. PRIOR TO INSTALLING ANY RACKS, PATCH PANELS AND/OR ANY CABLE MANAGERS, CONTRACTOR SHALL CONFIRM WITH OWNER EXACT QUANTITIES OF WALL AND DESK TYPE PHONES (IF'S AND MDF IN THE PROJECT). CONTRACTOR IS REQUIRED TO PROVIDE ALL RACKS, CABLE TRAYS, MAJOR CONDUIT RUNS, AND PATHWAYS TO DETERMINE TOTAL CABLE COUNTS AND ROUTING.
 6. REFER TO PLANS, EXERCISE CONTRIBUTIONS, AND SPECIFICATION TO DETERMINE TOTAL CABLE COUNTS AND ROUTING.
 7. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING CABLE LOADING REQUIREMENTS FOR SPRINKLERED AND NON-SPRINKLERED AREAS (FOR ABOVE CEILING APPLICATIONS) REFERRED BY THE STATE FIRE MARSHALL'S OFFICE FOR ABOVE CEILING APPLICATIONS.

NOTES - RACK #20 TO #29
 8. NETWORK CERTIFICATION / TEST RESULTS / REVIEWED SUBMITTAL PACKAGE - CONTRACTOR SHALL PROVIDE NETWORK CERTIFICATION AND TEST RESULTS (AND SOFTWARE TO READ THE FILE) AND (2) TWO PRINTED AND BOUND COPIES TO THE ARCHITECT (1) ONCE TESTING AND BONDING IS COMPLETE AND (2) ONCE TESTING AND BONDING IS COMPLETE.
 9. PROVIDE TELECOMMUNICATIONS RACKS AND TELECOMMUNICATIONS ROOM ON THE PROJECT PER THE NATIONAL ELECTRICAL CODE.
 10. CONTRACTOR SHALL CONFIRM ROUTING OF ALL DATA NETWORK CIRCUITS SUCH THAT THEY DO NOT EXCEED LENGTH OF 250' MAX PER CAT 6 DROP.



East End Elementary School
 Portland Public Schools
 Portland, Maine
 Job No: 009
 Date: 09/20/2004
 Scale: As Noted
 Drawn by: nm
 Checked by: nm
 Drawing Title:
Telecommunications Riser Diagram
 Consultants:
DeLuca-Hoffman Associates
 Consultant:
 DeLuca-Hoffman Associates
 Licensed Architect
 Carol Associates
 Structural Engineer
 Philham & Greer
 Mechanical Engineer
 Bennett Engineering
 Electrical Engineer
 Bartlett Design
 Interior Design
 Kiron Design
 T.J.M. Consulting
 Fire Solutions

E4.2