

**POWERPAY
OFFICE FIT
UP**

**Winton Scott
Architects
5 Milk Street
Portland, ME 04101**

**Wright Ryan
Construction, Inc.
10 Danforth Street
Portland, ME 04101**

**Becker Structural
Engineers, Inc.
75 York Street
Portland, Maine 04101**

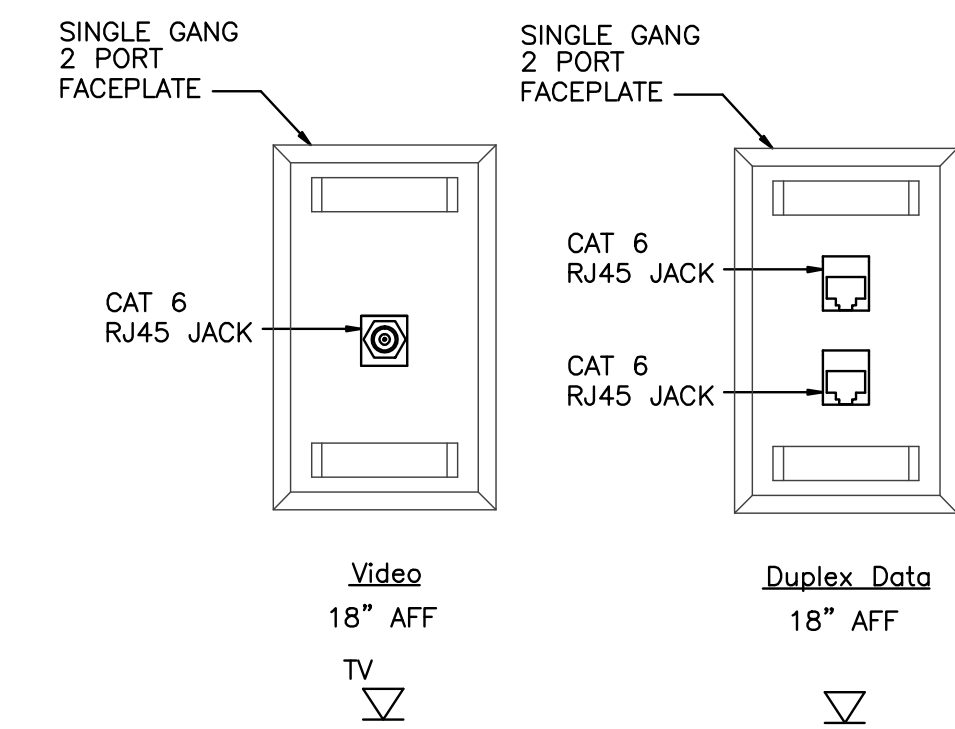
**Mechanical Systems
Engineers
10 Royal River Center
Yarmouth, Maine 04096**

**Bartlett Design
942 Washington St.
Bath, Maine 04530**

**Fore Solutions
386 Fore Street
Portland, Maine 04101**

**TELECOM
WIRING DIAGRAMS
& DETAILS**

E3.2



TELECOMMUNICATIONS OUTLETS
NOT TO SCALE

TELECOMMUNICATIONS RISER DIAGRAM NOTES:

1. CONTRACTOR SHALL PROVIDE A COMPLETE CAT6 DATA NETWORKING AND TELEPHONE INFRASTRUCTURE. THIS SHALL INCLUDE JACKS, UTP CABLES, EIA/TIA 19" RACKS, AND CAT6 PATCH PANELS, POWER STRIPS, AND MISC. HARDWARE.
2. NOT USED.
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 LOCATIONS AS REQUIRED BY THE STATE FIRE MARSHALL'S OFFICE FOR ABOVE CEILING APPLICATIONS.
5. PRIOR TO INSTALLING ANY RACKS, PATCH PANELS AND/OR ANY CABLE INSTALLATIONS PROVIDE RACK LAYOUT AND INFRASTRUCTURE LAYOUT DIAGRAMS TO ENGINEER FOR REVIEW FOR SERVER ROOM 120. CONTRACTOR IS REQUIRED TO PROVIDE DIAGRAMS AND SKETCHES AND OBTAIN WRITTEN APPROVAL FOR THE LAYOUT OF ALL RACKS, CABLE TRAY, MAJOR CONDUIT RUNS, AND PATHWAYS.

TELECOMMUNICATIONS RISER DIAGRAM NOTES CONTINUED:

6. REFER TO PLANS, FACEPLATE CONFIGURATIONS, AND SPECIFICATION TO DETERMINE TOTAL CABLE COUNTS AND ROUTING.
7. THIS DIAGRAM REPRESENTS BASIC RACK LAYOUT AND BACKBONE INFRASTRUCTURE CABLING. REFER TO FLOOR PLANS AND SPECIFICATIONS FOR COMPLETE SCOPE OF NETWORK, VIDEO, VOICE, INFRASTRUCTURE DROPS, DEVICES AND EQUIPMENT REQUIRED.
8. PROVIDE TELECOMMUNICATIONS GROUNDING IN EACH TELECOMMUNICATIONS ROOM ON THE PROJECT (PER THE NATIONAL ELECTRICAL CODE)
9. CONTRACTOR SHALL CONFIRM ROUTING OF ALL DATA NETWORK CIRCUITS SUCH THAT THEY DO NOT EXCEED LENGTH OF 300' MAX PER CAT 6 DROP.
10. PROVIDE DIRECTIONAL COUPLER TAPOFFS AS REQUIRED FOR PROPER SIGNAL DISTRIBUTION OF COAX HOMERUNS AT BACKBOARDS.

