



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.

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.

NOT TO SCALE

- 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. CONTRACTÒR 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.

POINT OF DEMARCATION

BASEMENT TELECOM RM

TV VIDEO OUTLET (TYPICAL) 4PR CAT6— (2)4PR CAT6 – SEE PLANS FOR
NETWORK OUTLET
LOCATIONS (TYPICAL) SEE PLANS FOR WORKSTATION LOCATIONS (TYPICAL) ČÁT6 – $\{-+-\}$ COAX - FEED LINES -OWNER FURNISHED
SWITCH AT CEILING
SPACE BETWEEN FIRST
FLOOR AND MEZZANINE
(TYPICAL OF 32) SIGNAL SPLITTERS PROTECTED ENTRANCE TERMINALS FIBER OPTIC CABLE WALL MOUNT -FO FIBER OPTIC FO MM 12 STRAND
4" CONDUIT PATCH PANEL W/ DIRECTIONAL COUPLER SERVICE LOOP **TAPOFFS** SLACK STORAGÉ 4'X4' PLYWOOD BACKBOARD BACKBOARD D DATA BACKBONE –
(12) CAT6 4 PAIR UTP
4" CONDUIT POINT OF DEMARCATION — BUILDING TELECOMMUNICATIONS ENTRANCE PWR STRIP COAXIAL HARDLINE
FROM CABLE SERVICE——(
COMPANY MULTI-PAIR ENTRANCE CABLE FROM FAIRPOINT (TV) (4) RG11 COAXIAL CABLE <u>RACK</u> <u>IDF ROOM</u> FROM UTILITY MANHOLE SERVER ROOM 120

> TELECOMMUNICATIONS RISER DIAGRAM NOT TO SCALE

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TELECOM WIRING DIAGRAMS & DETAILS

Scale: None

Date: 03-20-09