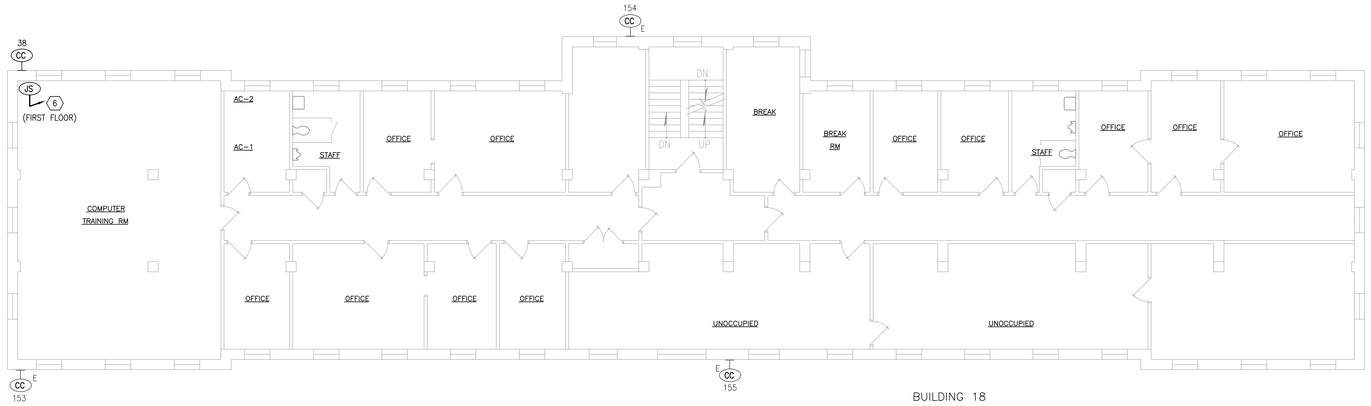
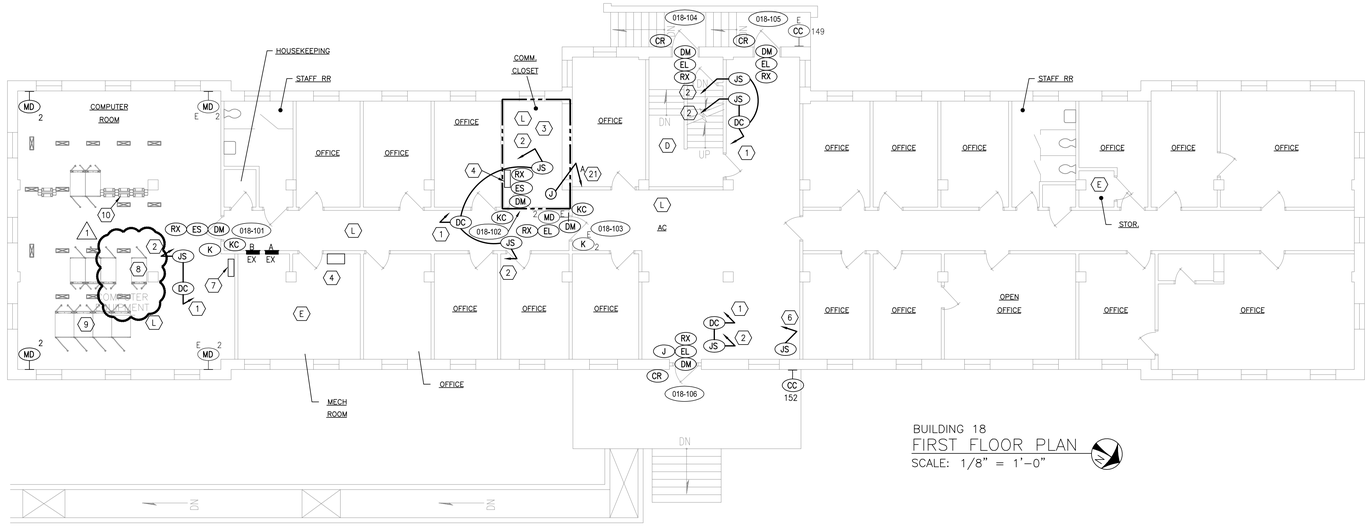
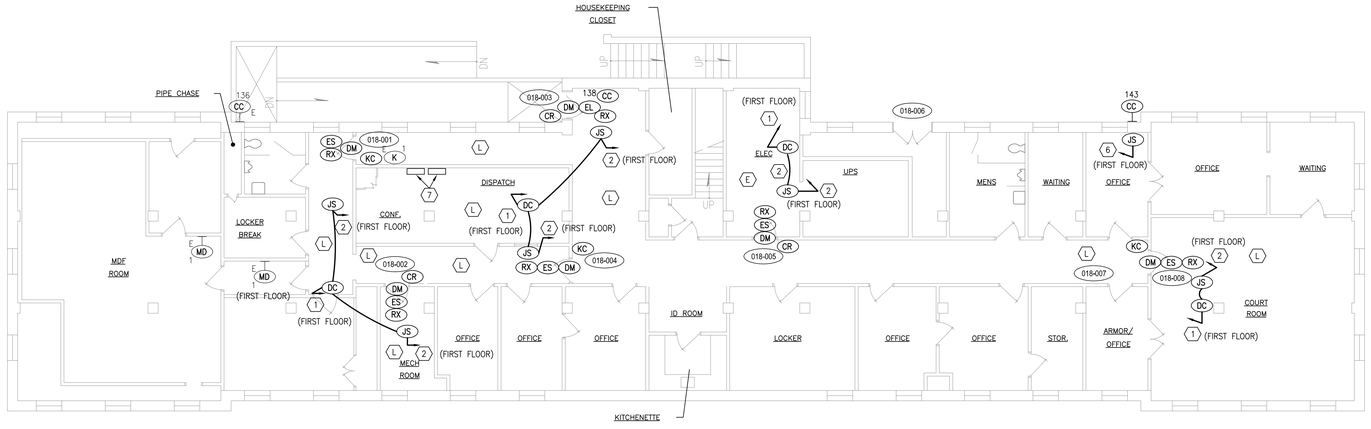


BUILDING 18
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



BUILDING 18
FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



BUILDING 18
BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLAN NOTES

NOTE: NOT ALL NOTES USED ON ALL SHEETS.

1. PROVIDE CAT 6 DROP IN 0.75"C. FROM LOCAL DOOR CONTROL PANEL TO LOCAL SIGNALS CLOSET AS INDICATED ON THE DRAWINGS. PROVIDE TERMINATION OF DROP WITH MODULAR "BISCUIT" JACK AT DOOR CONTROL PANEL AND ON NEW 48 PORT CAT 6 PATCH PANEL RACK MOUNTED IN EXISTING RACK IN SIGNALS CLOSET. SURFACERACEWAY/CONDUIT IS ONLY REQUIRED ON EXPOSED STRUCTURES AND "HARD" DRYWALL INACCESSIBLE CEILINGS. CABLING MAY BE OPEN WIRED WITH APPROPRIATELY RATED J-HOOKS ABOVE ACCESSIBLE CEILINGS. WHERE ANY PORTION OF THE CABLING RUN IS EXPOSED, CABLE TO BE PLENUM RATED.
2. PROVIDE REMOTE DOOR LOCK LOW VOLTAGE POWER WIRING (2-#14AWG IN 0.75"C.) FROM LOCAL DOOR LOCK TO REMOTE DOOR LOCK POWER SUPPLY PANEL IN LOCAL SIGNALS CLOSET AS INDICATED ON DRAWINGS. FOR ELECTRIC STRIKES, LOCK TO BE POWERED FROM POE DOOR PANEL AND THIS WIRING TO BE TAGGED FOR FUTURE USE. FOR ELECTRONIC LOCKS AND ELECTRIFIED PANICS, THIS WIRING AND POWER IS TO BE UTILIZED FOR THE LOCK. CONDUIT IS ONLY REQUIRED IN EXPOSED CEILINGS AND "HARD" DRYWALL INACCESSIBLE CEILINGS. CABLING MAY BE OPEN WIRED WITH APPROPRIATELY RATED J-HOOKS ABOVE ACCESSIBLE CEILINGS. WHERE ANY PORTION OF THE CABLING RUN IS EXPOSED, CABLE TO BE PLENUM RATED. WIRING MAY BE RUN IN SAME CONDUIT AS CAT 6 DOOR CONTROL PANEL WIRING.
3. UTILIZE EXISTING SIGNALS CLOSET FOR SOURCE OF CAT 6 DROPS TO DOOR CONTROL PANELS AND IP CAMERAS, LOW VOLTAGE POWER WIRING FOR DOOR LOCKS, LOW VOLTAGE SIGNALING WIRING TO REMOTE DOOR POSITION SWITCHES, AND LOW VOLTAGE POWER WIRING FOR EXTERIOR CAMERAS. DOOR LOCK POWER SUPPLY PANELS, DOOR MONITORING I/O PANELS AND CAMERA POWER SUPPLY PANELS TO BE WALL MOUNTED IN SIGNALS CLOSET. COORDINATE EQUIPMENT LOCATIONS AND CONFIGURATIONS WITH VA PRIOR TO CONDUIT, POWER AND WIRING INSTALLATION. PROVIDE NEW CAT 6 PATCH FROM NEW CAT 6 PATCH PANELS SERVING DOOR CONTROLLERS AND IP CAMERAS TO NEW CISCO 3750-24 PORT POE+ SWITCH STACKED ONTO EXISTING SWITCHES.
4. PROVIDE WALL MOUNTED JUNCTION BOXES FOR DOOR MONITOR WIRING, DOOR LOCK POWER WIRING AND CAMERA POWER WIRING AND EXTEND ALL FIELD WIRING AND CONDUITS INTO THE LOCK, CAMERA AND I/O PANELS.
5. PROVIDE REMOTE DOOR POSITION MONITORING WIRING FROM DOOR POSITION SWITCH TO I/O PANELS IN LOCAL SIGNALS CLOSET AS INDICATED ON DRAWINGS. CONDUIT IS ONLY REQUIRED IN EXPOSED CEILINGS AND "HARD" DRYWALL INACCESSIBLE CEILINGS. CABLING MAY BE OPEN WIRED WITH APPROPRIATELY RATED J-HOOKS ABOVE ACCESSIBLE CEILINGS. WHERE ANY PORTION OF THE CABLING RUN IS EXPOSED, CABLE TO BE PLENUM RATED. WIRING MAY BE RUN IN SAME CONDUIT AS CAT 6 DOOR CONTROL PANEL WIRING.
6. PROVIDE REMOTE CAMERA POWER WIRING FROM NEW EXTERIOR CAMERA TO CAMERA POWER SUPPLY IN LOCAL SIGNALS CLOSET AS INDICATED ON DRAWINGS. CONDUIT IS ONLY REQUIRED IN EXPOSED CEILINGS AND "HARD" DRYWALL INACCESSIBLE CEILINGS. CABLING MAY BE OPEN WIRED WITH APPROPRIATELY RATED J-HOOKS ABOVE ACCESSIBLE CEILINGS. WHERE ANY PORTION OF THE CABLING RUN IS EXPOSED, CABLE TO BE PLENUM RATED. WIRING MAY BE RUN IN SAME CONDUIT AS CAT 6 IP CAMERA WIRING.
7. EXISTING WALL MOUNTED VISTA 128FB SECURITY ALARM PANEL SERVING LOCAL INTRUSION ALARMS AND ZONES IN THIS BUILDING. PROVIDE SIGNALING WIRING AND INTERFACE WITH EXISTING PANEL INTO NEW PACS SYSTEM I/O PANELS TO PROVIDE REMOTE MONITORING AND NOTIFICATIONS THROUGH THE PACS SYSTEM OF SECURITY ALARMS PER ZONE.
8. RE-USE EXISTING HP DEEP SERVER CABINET TO HOUSE NEW AND RELOCATED CCTV, AND ALPR SYSTEM SERVERS. RE-USE EXISTING POWER DISTRIBUTION WITHIN CABINET TO DISTRIBUTE 2-30A/120V UPS CIRCUITS BETWEEN ALL NEW SERVERS.
9. (1) PACS SERVER (DELL POWEREDGE R620) EXACONVISION SERVERS AND FOURHP-DL180GS MILESTONE SERVERS. RELOCATE ALL SERVERS TO NEW SERVER CABINET. RE-PURPOSE EXISTING MILESTONE DELL SERVERS TO BE STORAGE SERVERS FOR THE EXACOVISION SYSTEM.
10. EXISTING RACK WITH EXISTING VA CISCO 6500 CORE ROUTERS. COORDINATE POPULATION OF TWO (2) NEW 10GB COPPER UPLINKS TO NEW SWITCH IN NEW SECURITY SERVER CABINET.

PLAN NOTES-ELECTRICAL

21. CIRCUIT TO 20A/1P BREAKER IN PANEL INDICATED. UTILIZE SPARE BREAKER WHERE AVAILABLE. IF SPARE BREAKER IS NOT AVAILABLE VERIFY EXISTING BREAKER LOADING AND COMBINE CIRCUITS AS REQUIRED.

100% SUBMITTAL

Revisions	Date

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Approved: Project Director

Project Title: INSTALL ELECTRONIC SECURITY ACCESS SYSTEM
Location: CHILLICOTHE, OHIO
Date: 12/14/2012 | Checked: MSG | Drawn: JDK

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Drawing Number: S-018-AL
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Office of Construction and Facilities Management
Department of Veterans Affairs

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