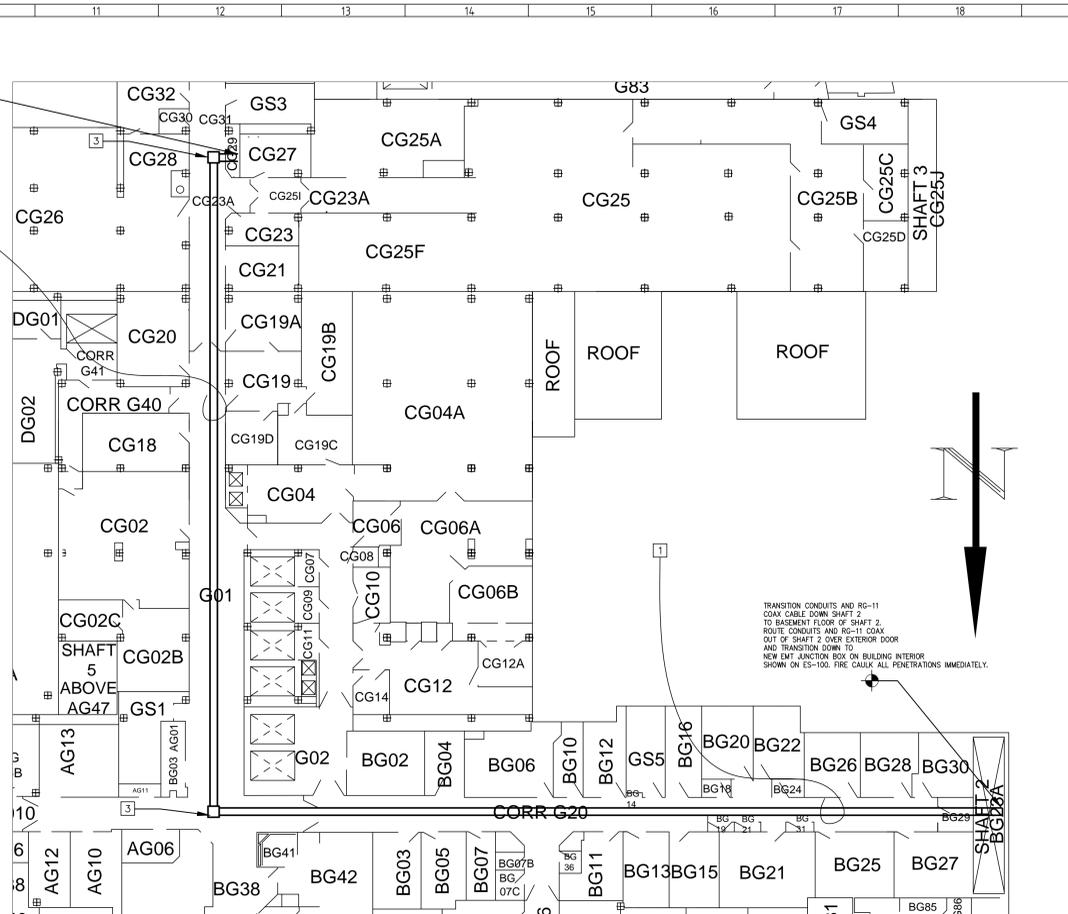
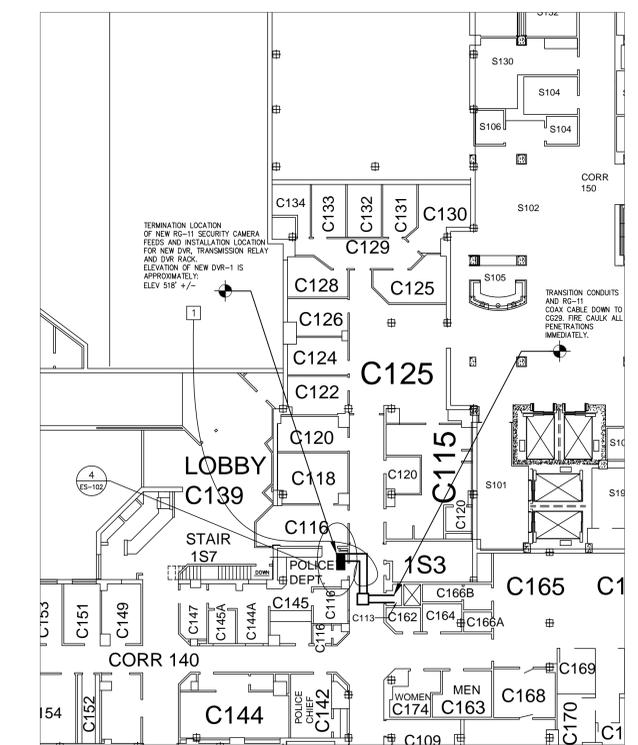


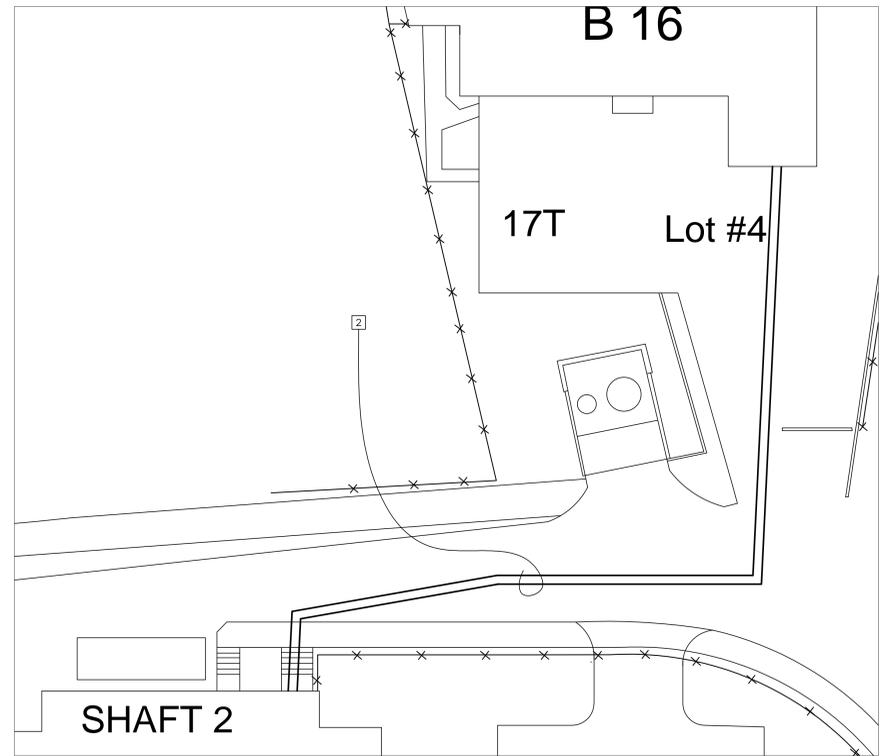
**1 SECURITY CAMERA COMMUNICATION AND POWER WIRING SCHEMATIC**  
1/16"=1'-0"



**2 GROUND FLOOR COMMUNICATIONS PLAN (BLDG.1)**  
1/16"=1'-0"



**3 FIRST FLOOR COMMUNICATIONS PLAN (BLDG.1)**  
1/16"=1'-0"



**4 BASEMENT AND EXTERIOR COMMUNICATIONS PLAN (BLDG.1)**  
1/8"=1'-0"

**KEYED CONSTRUCTION NOTES:**

- PROVIDE 2 PARALLEL 4" ENT CONDUITS IN BUILDING 16 LOCATIONS SHOWN AND FOLLOWING CABLE ROUTE SHOWN. PROVIDE 5 INDIVIDUAL RG11 COAXIAL CABLES IN EACH 4" ENT CONDUIT.
- PROVIDE 2 PARALLEL 4" GALVANIZED RUST PROOF CONDUITS ENCASED IN CONCRETE DUCTBANK AND BUNDLED AS INDICATED IN SECTION DETAIL ES-100 AND 2/ES-100. CONDUITS AND DUCTBANK SYSTEM SHALL BE CONSTRUCTED OUTSIDE BUILDING 16 LOCATIONS SHOWN AND FOLLOWING CABLE ROUTE SHOWN. PROVIDE 5 INDIVIDUAL RG11 COAXIAL CABLES IN EACH 4" PARALLEL CONDUIT.
- PROVIDE JUNCTION BOX IN LOCATION SHOWN. PROVIDE JUNCTION BOX IN LOCATIONS NOT SHOWN PER REG CODE.

**GENERAL NOTES:**

- PROVIDE NEW SECURITY CAMERAS IN LOCATIONS SHOWN AND IN ACCORDANCE WITH SPECIFICATION SECTION 281319. CAMERAS SHALL BE MOUNTED IN LOCATIONS INDICATED. REFER TO ES-102 FOR MOUNTING DETAILS.
- ALL WORK TO BE CAREFULLY PLANNED TO ENSURE SAFE CONDITIONS DURING CONSTRUCTION. PROVIDE ALL BRACING & SHORING AS REQUIRED THROUGHOUT THE PROJECT. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED DAILY. PROJECT SHALL BE SWEEPED CLEAN DAILY. SITE SHALL BE LEFT SECURE DURING ALL PROJECT PHASES.
- DETAIL 1/ES-101 IS INTENDED TO PROVIDE SCHEMATIC INSTALLATION INFORMATION FOR SECURITY CAMERAS. REFER TO DRAWING ES-100 AND APPLICABLE SPECIFICATIONS FOR EXACT POWER AND COMMUNICATION SERVICE LOCATIONS AND INFORMATION FOR EACH CAMERA SHOWN.
- PROVIDE POWER AND COMMUNICATION SERVICES TO NEW SECURITY CAMERAS PER SECURITY CAMERA SCHEDULE. REFER TO DETAIL 1/ES-101 FOR GENERAL POWER COMMUNICATION FEED SCHEMATIC.
- ALL NEW RG-11 COMMUNICATION CABLING INSIDE BUILDING 16 AND BLDG.1 SHALL BE RUN ABOVE EXISTING CEILING GRID. ALL NEW EXTERIOR PIPING PENETRATIONS FOR SECURITY CAMERA POWER AND COMMUNICATION SERVICE FEEDS TO BLDG.16 SHALL BE MADE ABOVE CEILING GRID. FOR NEW COMMUNICATION RG-11 SERVICES INSIDE BUILDING 16, UTILIZE EXISTING CABLE TRAY WHERE POSSIBLE. ENSURE ALL NEW COMMUNICATION CONDUIT IS PROPERLY GROUNDED TO CABLE TRAY.
- ALL NEW RG-11 COMMUNICATION CABLING, AND NEW POWER HOMERUN CIRCUITS SHOWN FOR SECURITY CAMERAS MOUNTED ON NEW PARKING LOT LIGHT POLES SHALL FOLLOW ROUTE INDICATED ON 1/ES-100 UTILIZING NEW DUCT BANK CONDUITS, DIRECT BURIAL CONDUIT AND NEW SIGNAL & POWER PULL BOXES. ALL COMMUNICATION CABLING AND ELECTRICAL CIRCUITING SHALL REMAIN SEPARATE ROUTES AT ALL TIMES AND SHALL ENTER NEW PARKING LOT LIGHT POLE AND TERMINATE TO NEW CAMERAS PER 2/ES-102 AND 8/ES-102.
- PROVIDE NEW 1U 12 PORT COAX CABLE PATCH PANEL CPP-1 CAPABLE OF PATCHING RG11 COAX CABLES SHOWN. PATCH ALL NEW RG11 COAX CABLES AS SHOWN ON 1/ES-100. INSTALL NEW PATCH PANEL ON EXISTING COMM. CLOSET RACK PER DETAIL 3/ES-102.

**SITE PLAN SYMBOLS**

- IR # PTZ CAM
- EXISTING 600A EMERGENCY POWER PANEL E16-1A
- E16-1A
- EXISTING 200A EMERGENCY POWER PANEL E16-1B. PANEL IS SUBFED OFF E16-1A ON A 200A MAIN.
- E16-1B
- NEW 12 PORT COAX CABLE PATCH PANEL TO BE INSTALLED IN BLDG.16 COMM CLOSET 16-14.
- CPP-1
- NEW DIGITAL VIDEO RECORDER RACK AND NEW DVR AND SIGNAL TRANSMISSION RELAY.
- DVR-1
- NEW 25' HIGH PARKING LOT LED LIGHT POLE AND FIXTURE. SEE ES-100.

**ELECTRICAL AND COMMUNICATION SYMBOLS**

- E16-1B 20A/1P HOME RUN TO PANEL E16-1B = PANEL DESIGNATION. 12x CIRCUIT NUMBER, 20A/2P = CIRCUIT BREAKER SIZE (20A/1P IF NO SIZE IS SHOWN).
- CPP-1 RG-11 COAXIAL CABLE HOME RUN TO PATCH/TERMINATION LOCATION. 1 = PATCH PANEL / DVR PANEL. TERMINATION PORT NUMBER. RG-11 = COAX CABLE SIZE/TYPE.

SECURITY CAMERA SCHEDULE					
CAMERA #	CAMERA TYPE	POWER SUPPLY/CKT #	COMMUNICATION FEED	BUILDING 16 TERMINATION LOCATION	BUILDING 1 TERMINATION LOCATION
01	BOSCH VCS AUTODOME 600 SERIES VCS-624-ECS ANALOG CAMERA W/IR CAPABILITY OR ENGINEER APPROVED EQUAL	20A/E16-1B CKT 60	RG-11	COAXIAL PATCH PANEL (CPP-1) IN ROOM 16-14. PORT 1	NEW DVR ON NEW DVR RACK, BUILDING 1 ROOM C115. PORT 1
02	BOSCH VCS AUTODOME 600 SERIES VCS-624-ECS ANALOG CAMERA W/IR CAPABILITY OR ENGINEER APPROVED EQUAL	20A/E16-1B CKT 61	RG-11	COAXIAL PATCH PANEL (CPP-1) IN ROOM 16-14. PORT 2	NEW DVR ON NEW DVR RACK, BUILDING 1 ROOM C115. PORT 2
03	BOSCH VCS AUTODOME 600 SERIES VCS-624-ECS ANALOG CAMERA W/IR CAPABILITY OR ENGINEER APPROVED EQUAL	20A/E16-1B CKT 62	RG-11	COAXIAL PATCH PANEL (CPP-1) IN ROOM 16-14. PORT 3	NEW DVR ON NEW DVR RACK, BUILDING 1 ROOM C115. PORT 3
04	BOSCH VCS AUTODOME 600 SERIES VCS-624-ECS ANALOG CAMERA W/IR CAPABILITY OR ENGINEER APPROVED EQUAL	20A/E16-1B CKT 63	RG-11	COAXIAL PATCH PANEL (CPP-1) IN ROOM 16-14. PORT 4	NEW DVR ON NEW DVR RACK, BUILDING 1 ROOM C115. PORT 4
05	BOSCH VCS AUTODOME 600 SERIES VCS-624-ECS ANALOG CAMERA W/IR CAPABILITY OR ENGINEER APPROVED EQUAL	20A/E16-1B CKT 64	RG-11	COAXIAL PATCH PANEL (CPP-1) IN ROOM 16-14. PORT 5	NEW DVR ON NEW DVR RACK, BUILDING 1 ROOM C115. PORT 5
06	BOSCH VCS AUTODOME 600 SERIES VCS-624-ECS ANALOG CAMERA W/IR CAPABILITY OR ENGINEER APPROVED EQUAL	20A/E16-1B CKT 65	RG-11	COAXIAL PATCH PANEL (CPP-1) IN ROOM 16-14. PORT 6	NEW DVR ON NEW DVR RACK, BUILDING 1 ROOM C115. PORT 6
07	BOSCH VCS AUTODOME 600 SERIES VCS-624-ECS ANALOG CAMERA W/IR CAPABILITY OR ENGINEER APPROVED EQUAL	20A/E16-1B CKT 66	RG-11	COAXIAL PATCH PANEL (CPP-1) IN ROOM 16-14. PORT 7	NEW DVR ON NEW DVR RACK, BUILDING 1 ROOM C115. PORT 7
08	BOSCH VCS AUTODOME 600 SERIES VCS-624-ECS ANALOG CAMERA W/IR CAPABILITY OR ENGINEER APPROVED EQUAL	20A/E16-1B CKT 67	RG-11	COAXIAL PATCH PANEL (CPP-1) IN ROOM 16-14. PORT 8	NEW DVR ON NEW DVR RACK, BUILDING 1 ROOM C115. PORT 8
09	BOSCH VCS AUTODOME 600 SERIES VCS-624-ECS ANALOG CAMERA W/IR CAPABILITY OR ENGINEER APPROVED EQUAL	20A/E16-1B CKT 68	RG-11	COAXIAL PATCH PANEL (CPP-1) IN ROOM 16-14. PORT 9	NEW DVR ON NEW DVR RACK, BUILDING 1 ROOM C115. PORT 9

Drawing Title <b>SECURITY CAMERA COMMUNICATIONS PLAN</b>		Project Title <b>UPGRADE FOR BUILDING 16 SITEWORK</b>		Date 05/04/2013	
Approved: Facility Manager		Building Number 16		Checked CF	
Location VAMC SYRACUSE, NY		Drawn AZH		Project No. 528A7-13-715	
Revisions		Drawing No. <b>ES-101</b>		Dwg. 10 of 11	

