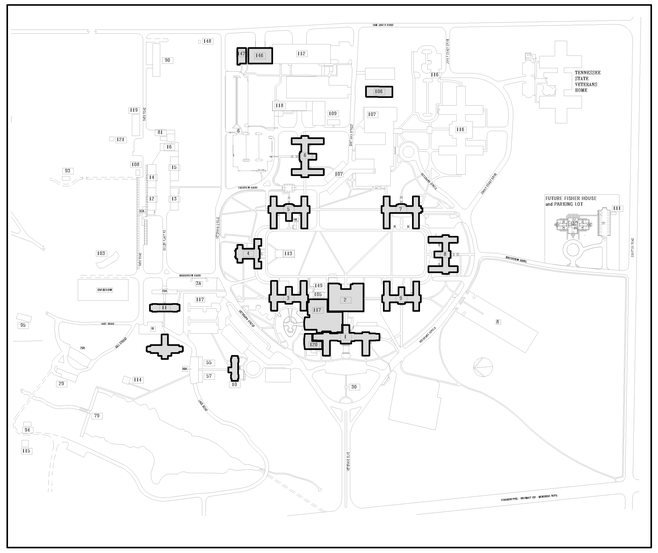
DocuSign Envelope ID: 4170B743-6FE2-4320-BC0E-F6BE3A006436

VIDEO SURVEILLANCE SECURITY YORK

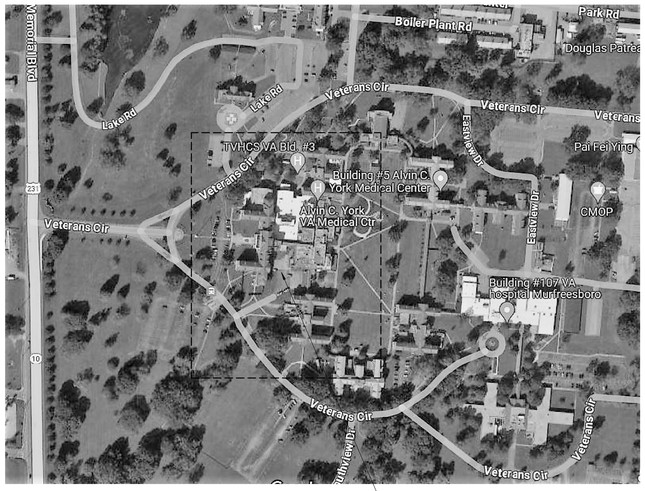
ALVIN C. YORK CAMPUS
3400 LEBANON ROAD
MURFREESBORO, TN 37129

VA PROJECT #: 626A4-22-104

PROJECT SITE MAP



PROJECT LOCATION MAP



PROJECT LOCATION

DRAWING LIST

GENERAL			
G-001	ENG. PROJECT COVER	1	3
G-002	SITE PLAN - MURFREESBORO VAMC	2	3
G-100	ICRA INFORMATION AND DETAILS	3	3
TECHNOLOGY			
T-001	TECHNOLOGY GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS	1	26
TS101	TECHNOLOGY SITE PLAN	2	26
TS102	TECHNOLOGY SITE PLAN	3	26
1.T-101	BUILDING 1 GROUND FLOOR SECURITY PLAN	4	26
1.T-102	BULIDING 1 FIRST FLOOR SECURITY PLAN	5	26
2.T-101	BULDING 2 GROUND FLOOR SECURITY PLAN	6	26
3.T-101	BUILDING 3 GROUND FLOOR SECURITY PLAN	7	26
3.T-102	BUILDING 3 FIRST FLOOR SECURITY PLAN	8	26
4.T-101	BULIDING 4 GROUND FLOOR SECURITY PLAN	9	26
5.T-101	BULIDING 5 FIRST FLOOR SECURITY PLAN	10	26
6.T-101	BULDING 6 GROUND FLOOR SECURITY PLAN	11	26
7.T-101	BULDING 7 GROUND FLOOR SECURITY PLAN	12	26
7.T-102	BULDING 7 FIRST FLOOR SECURITY PLAN	13	26
8.T-101	BULDING 8 GROUND FLOOR SECURITY PLAN	14	26
8.T-102	BULDING 8 FIRST FLOOR SECURITY PLAN	15	26
8.T-103	BULDING 8 SECOND FLOOR SECURITY PLAN	16	26
9.T-101	BULDING 9 GROUND FLOOR SECURITY PLAN	17	26
9.T-102	BULDING 9 FIRST FLOOR SECURITY PLAN	18	26
9.T-103	BULDING 9 SECOND FLOOR SECURITY PLAN	19	26
112.T-101	BULDING 112 GROUND FLOOR SECURITY PLAN	20	26
117.T-101	BULDING 117 GROUND FLOOR SECURITY PLAN	21	26
117.T-102	BULDING 117 FIRST FLOOR SECURITY PLAN	22	26
120.T-101	BULDING 120 SECURITY PLANS	23	26
T-501	TECHNOLOGY DETAILS	24	26
T-502	TECHNOLOGY DETAILS	25	26
T-601	TECHNOLOGY RISERS	26	26

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER DARRELL R. GOODEY
6/12/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ENG. PROJECT COVER

Location: ALVIN C. YORK CAMPUS
3400 LEBANON ROAD
MURFREESBORO, TN 37129

Project Title: VIDEO SURVEILLANCE SECURITY YORK

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LS

VA PROJECT NUMBER: 626A4-22-104

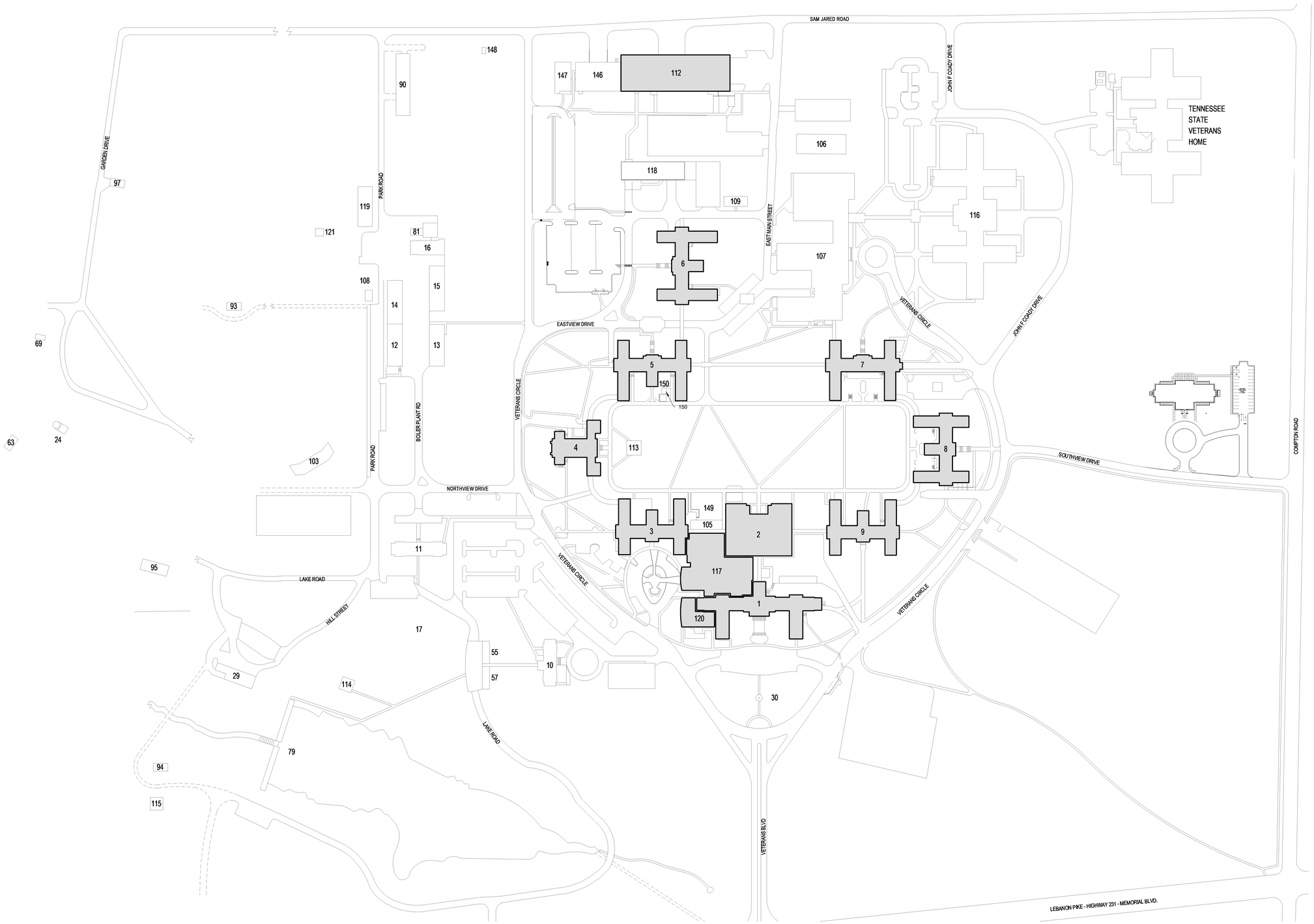
Building Number: # 1

Drawing Number: G-001

Dwg 1 of 3

C:\Users\lstarnes\Documents\E-22-215Y-VA York-Video Sec Improv-TN_lstarnesCBUMB.rvt
6/11/2024 3:25:14 PM
VA FORM 08-6231

DocuSign Envelope ID: 4170B743-6FE2-4320-BC0E-F6BE3A006436



1 **SITE PLAN - MURFREESBORO VAMC**
Scale: 1" = 110'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. EC TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEED 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

LEGEND

AREA OF WORK

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER CARNETT R. GOSNELL 6/12/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE
Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511

www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SITE PLAN - MURFREESBORO VAMC

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: # 1,2,3,4,5,6,7,8,9,10,11, 17,106,117,120,146,147

Location: ALVIN C. YORK CAMPUS
3400 LEBANON ROAD
MURFREESBORO, TN 37129

Approved:

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LS

Drawing Number: G-002

Dwg 2 of 3

C:\Users\lstarnes\Documents\E-22-215Y-VA York Video Sec Improv-TN_lstarnesCBUMB.rvt
6/11/2024 3:25:26 PM
VA FORM 08-6231

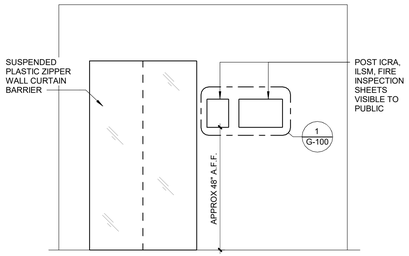
DocuSign Envelope ID: 4170B743-6FE2-4320-BC0E-F6BE3A006436

ILSM TEMPORARY BARRIER TAG	
PROJECT:	
PRIME CONTRACTOR:	
SUB CONTRACTOR:	
EMERGENCY CONTACT NO.:	
BARRIER INSTALLATION DATE:	
BARRIER EXPIRATION DATE:	

3 ILSM BARRIER TAG

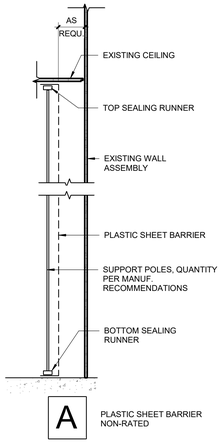
Scale: 12" = 1'-0"

NOTE:
TAG SHALL BE PLACED ON ALL ILSM TEMPORARY BARRIERS, FINAL LOCATION BY G.C.



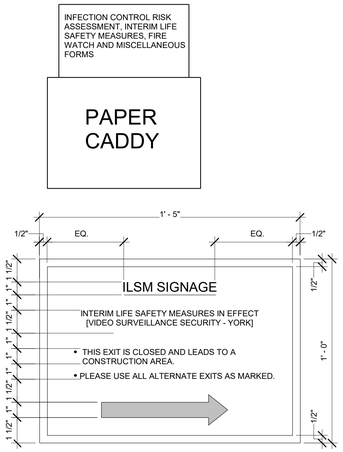
4 ICRA ROOM ELEVATION

Scale: 1/2" = 1'-0"



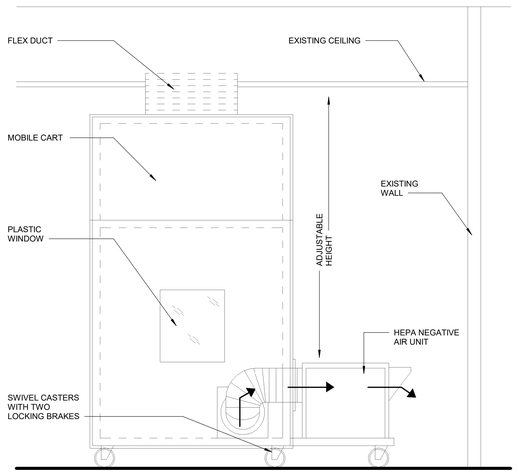
5 ICRA BARRIER WALL TYPE

Scale: 3/4" = 1'-0"



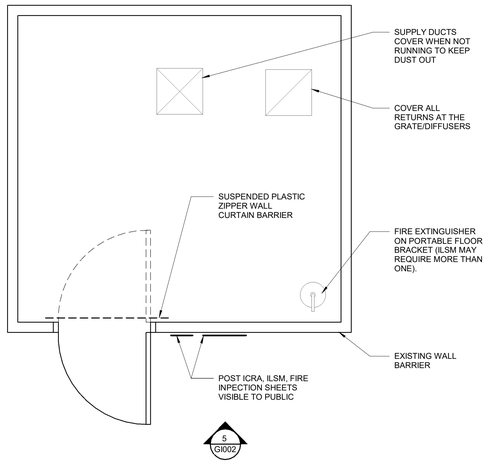
1 ILSM CONSTRUCTION EGRESS SIGNAGE

Scale: 3" = 1'-0"



6 ICRA MOBILE CONTAINMENT CART

Scale: 1/2" = 1'-0"



2 TYPICAL CONSTRUCTION PLAN LAYOUT

Scale: 1/2" = 1'-0"

INFECTION CONTROL RISK MITIGATION RECOMMENDATIONS MATRIX OF PRECAUTIONS FOR CONSTRUCTION AND RENOVATION

Type of Construction / Project Activity Table

TYPE A	**Inspection and Non-Invasive Activities** Includes, but is not limited to: • Removal of ceiling tile for visual inspection-limited to 1 tile per 50 square feet with limited exposure time. • Limited building system maintenance (e.g., pneumatic tube station, HVAC system, fire suppression system, electrical and carpentry work to include painting without sanding) that does not create dust or debris. • Clean plumbing activity limited in nature.
TYPE B	**Small scale, short duration activities which create minimal dust** Includes, but is not limited to: • Work conducted above the ceiling (e.g., prolonged inspection or repair of firewalls and barriers, installation of conduit and/or cabling, and access to mechanical and/or electrical chase spaces). • Fan shutdown/startup. • Installation of electrical devices or new flooring that produces minimal dust and debris. • The removal of drywall where minimal dust and debris is created. • Controlled sanding activities (e.g., wet or dry sanding) that produce minimal dust and debris.
TYPE C	**Work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies** Includes, but is not limited to: • Removal of preexisting floor covering, walls, casework or other building components. • New drywall placement. • Renovation work in a single room. • Nonexisting cable pathway or invasive electrical work above ceilings. • The removal of drywall where a moderate amount of dust and debris is created. • Dry sanding where a moderate amount of dust and debris is created. • Work creating significant vibration and/or noise. • Any activity that cannot be completed in a single work shift.
TYPE D	**Major demolition and construction projects** Includes, but is not limited to: • Removal or replacement of building system component(s). • Removal/installation of drywall partitions. • Invasive large-scale new building construction. • Renovation work in two or more rooms.

Patient Risk Group Table

Group 1 Low Risk	Group 2 Medium Risk	Group 3 High Risk	Group 4 Highest Risk
• Office areas (non-clinical) • FES/EMS areas	• Physical Therapy • Radiology departments • All patient waiting rooms • All outpatient clinics • Research Areas • Respiratory Therapy	• Emergency Room • Clinical Laboratories (specimen) • Same Day Surgery • Pharmacy • Nutrition and Food Service/Canteen • Procedural Areas (GI) • Inpatient Mental Health	• Any area caring for immunocompromised patients • Cardiac Cath Lab/IR • Central Sterile Supply • Sterile Processing Service • Intensive Care Units • Medical/Surgical Units • Negative pressure isolation rooms • Outpatient Chemotherapy Areas • Operating rooms • Post Anesthesia Care Unit • Dialysis • Dental

Infection Control Matrix - Class of Precautions: Construction Project by Patient Risk

Construction Project Type

Patient Risk Group	TYPE A	TYPE B	TYPE C	TYPE D
LOW Risk Group 1	I	II	II	III
MEDIUM Risk Group 2	I	II	III	IV
HIGH Risk Group 3	I	III	IV	V
HIGHEST Risk Group 4	III	IV	V	V

Note: Infection Control approval will be required when the Construction Activity and Risk Level indicate that Class III or Class IV control procedures are necessary.

CONSTRUCTION ACTIVITIES SHALL BE CLASSIFIED AS FOLLOWS UNLESS NOTED OTHERWISE:
1. INSTALLATION OF CABLE TRAY IN CORRIDOR CEILINGS SHALL BE CONSIDERED CONSTRUCITON ACTIVITY TYPE B.
2. ALL CONDUIT SPECIFIED TO BE INSTALLED IN WALL SHALL BE CONSIDERED CONSTRUCTION ACTIVITY TYPE C.
3. CONSTRUCTION OF NEW ROOMS SHALL BE CONSIDERED CONSTRUCTION ACTIVITY TYPE D.
4. INSTALLATION OF NEW DOORS TO OR FROM EXISTING SPACES SHALL BE CONSIDERED CONSTRUCTION ACTIVITY TYPE C.

It is the Contractor's Responsibility to provide the following Infection Control Precautions depending upon the Area Class Designation

	During Construction Project	Upon Completion of Project
CLASS I	1. Execute work by methods to minimize raising dust from construction operations. 2. Perform noninvasive work activity as to not block or interrupt patient care. 3. Perform noninvasive work activities in areas that are not directly occupied with patients. 4. Perform noninvasive work activity in a manner that does not create dust. 5. Immediately replace any displaced ceiling tile before leaving the area and/or at end of noninvasive work activity.	Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. HVAC Systems: 1. Remove isolation of HVAC system in areas where work is being performed. Verify that HVAC systems are clean and operational. 2. Verify the HVAC systems meet original airflow and air exchange design specifications.
CLASS II	1. Includes all activities required by Class I 2. Perform only limited dust work and/or activities designed for basic facilities and engineering work. 3. Perform limited dust and invasive work following standing precautions procedures approved by the organization. 4. This Class of Precautions must never be used for construction or renovation activities. 5. Provide active means to prevent airborne dust from dispersing into atmosphere. 6. Water mist work surfaces to control dust while cutting. 7. Seal unused doors with duct tape. 8. Block off and seal air vents. 9. Replace adhesive walk-off mats at entrance and exit of work area. Replace used mats in accordance with manufacturer's recommendations. 10. Remove or isolate HVAC system in area where work is being done to prevent contamination of duct system.	Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. HVAC Systems: 1. Remove isolation of HVAC system in areas where work is being performed. Verify that HVAC systems are clean and operational. 2. Verify the HVAC systems meet original airflow and air exchange design specifications.

INFECTION CONTROL RISK MITIGATION RECOMMENDATIONS MATRIX OF PRECAUTIONS FOR CONSTRUCTION AND RENOVATION

It is the Contractor's Responsibility to provide the following Infection Control Precautions depending upon the Area Class Designation

	During Construction Project	Upon Completion of Project
CLASS III	1. Includes all activities required by Class II 2. Obtain Infection Control Permit from Hospital Safety Officer or Facilities Management Maintenance and Engineering department before construction begins. 3. Provide active means to prevent airborne dust dispersion into the occupied areas. 4. Means for controlling minimal dust dispersion may include hand-held HEPA vacuum devices, polyethylene plastic containment, or isolation of work area by closing room door. 5. Remove or isolate return air diffusers to avoid dust from entering the HVAC system. 6. Remove or isolate the supply air diffusers to avoid positive pressurization of the space, 7. If work area is contained, then it must be neutrally to negatively pressurized at all times. 8. Seal all doors with tape that will not leave residue. 9. Contain all trash and debris in the work area. 10. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 11. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 12. Maintain clean surroundings when area is not contained by damp mopping or HEPA vacuuming surfaces. 13. Clean construction area at the end of each shift by damp mopping or HEPA Vacuum.	For Type C activities, follow procedures for Class IV. Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. HVAC Systems: 1. Remove isolation of HVAC system in areas where work is being performed. Verify that HVAC systems are clean and operational. 2. Verify the HVAC systems meet original airflow and air exchange design specifications.
CLASS IV	1. Includes all activities required by Class III 2. Obtain Infection Control Permit from Hospital Safety Officer or Facilities Management Maintenance and Engineering department before construction begins. 3. Construct and complete critical barriers meeting NFPA 241 requirements. Barriers must extend to the ceiling or if ceiling tile is removed, to the deck above. 4. All (plastic or hard) barrier construction activities must be completed in a manner that prevents dust release. Plastic barriers must be effectively affixed to ground and ceiling and secure from movement or damage. Apply tape that will not leave a residue to seal gaps between barriers, ceiling or floor. 5. Seal all penetrations in containment barriers, including floors and ceiling, using approved materials (UL schedule firestop if applicable for barrier type). 6. Containment units or environmental containment units (ECUs) approved for Class IV precautions in small areas totally contained by the unit and that has HEPA-filtered exhaust air. 7. Remove or isolate return air diffusers to avoid dust entering the HVAC system. 8. Remove or isolate the supply air diffusers to avoid positive pressurization of the space. 9. Negative airflow pattern must be maintained from the entry point to the anteroom and into the construction area. The airflow must cascade from outside to inside the construction area. The entire construction area must remain negatively pressurized. 10. Maintain negative pressurization of the entire workspace by use of HEPA exhaust air systems directed outdoors. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows does not require HEPA-filtered air. 11. If exhaust is directed indoors, then the system must be HEPA filtered. Prior to start of work, HEPA filtration must be verified by particulate measurement as no less than 99.97% efficiency and must not alter or change airflow/pressure relationships in other areas. 12. Exhaust into shared or recirculating HVAC systems, or other shared exhaust systems (e.g., bathroom exhaust) is not acceptable. 13. Install device (e.g., magnehelic, manometer, or digital monitoring) on exterior of work containment to continually monitor negative pressurization. The "ball in the wall" or similar apparatus are not acceptable. 14. Contain all trash and debris in the work area. 15. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 16. Worker clothing must be clean and free of visible dust before leaving the work area. HEPA vacuuming of clothing or use of cover suites is acceptable. 17. Workers must wear shoe covers prior to entry into the work area. Shoe covers must be changed prior to exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be immediately changed. 18. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 19. Consider collection of particulate data during work to monitor and ensure that contaminates do not enter the occupied spaces. Routine collection of particulate samples may be used to verify HEPA filtration efficiencies.	Construction areas must be inspected by an infection preventionist or designee and engineering representative for discontinuation or downgrading of ICRA precautions. Work Area Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. Removal of Critical Barriers: 1. Critical barriers must remain in place during all work involving drywall removal, creation of dust and activities beyond simple touch-up work. The barrier may NOT be removed until a work area cleaning has been performed. 2. All (plastic or hard) barrier removal activities must be completed in a manner that prevents dust release. Use the following precautions when removing hard barriers: 1. Carefully remove screws and painter tape. 2. If dust will be generated during screw removal, use hand-held HEPA vacuum. 3. Drywall cutting is prohibited during removal process. 4. Clean all stud tracks with HEPA vacuum before removing outer hard barrier. 5. Use a plastic barrier to enclose area if dust could be generated. Negative Air Requirements: 1. The use of negative air must be designed to remove contaminates from the work area. 2. Negative air devices must remain operational at all times and in place for a period after completion of dust creating activities to remove contaminants from the work area and before removal of critical barriers. HVAC systems: 1. Upon removal of critical barriers, remove isolation of HVAC system in areas where work is being performed. 2. Verify that HVAC systems are clean and operational. 3. Verify the HVAC systems meets original airflow and air exchange design specifications.
CLASS V	1. Includes all activities required by Class IV 2. Obtain Infection Control Permit from Hospital Safety Officer or Facilities Management Maintenance and Engineering department before construction begins. 3. Construct and complete critical barriers meeting NFPA 241 requirements. Barriers must extend to the ceiling or if ceiling tile is removed, to the deck above. 4. All (plastic or hard) barrier construction activities must be completed in a manner that prevents dust release. Plastic barriers must be effectively affixed to ground and ceiling and secure from movement or damage. Apply tape that will not leave a residue to seal gaps between barriers, ceiling or floor. 5. Seal all penetrations in containment barriers, anteroom barriers, including floors and ceiling using approved materials (UL schedule firestop if applicable for barrier type). 6. Construct anteroom large enough for equipment staging, cart cleaning, workers. The anteroom must be constructed adjacent to entrance of construction work area. 7. Personnel will be required to wear coveralls at all times during Class V work activities. Coveralls must be removed before leaving the anteroom. 8. Remove or isolate return air diffusers to avoid dust entering the HVAC system. 9. Remove or isolate the supply air diffusers to avoid positive pressurization of the space. 10. Negative airflow pattern must be maintained from the entry point to the anteroom and into the construction area. The airflow must cascade from outside to inside the construction area. The entire construction area must remain negatively pressurized. 11. Maintain negative pressurization of the entire workspace using HEPA exhaust air systems directed outdoors. Exhaust discharged directly to the outdoors that is 25 feet or greater from entrances, air intakes and windows does not require HEPA-filtered air. 12. If exhaust is directed indoors, then the system must be HEPA filtered. Prior to start of work, HEPA filtration must be verified by particulate measurement as no less than 99.97% efficiency and must not alter or change airflow/pressure relationships in other areas. 13. Exhaust into shared or recirculating HVAC systems, or other shared exhaust systems (bathroom exhaust) is not acceptable. 14. Install device (e.g., magnehelic, manometer, or digital monitoring) on exterior of work containment to continually monitor negative pressurization. The "ball in the wall" or similar apparatus are not acceptable. 15. Contain all trash and debris in the work area. 16. Nonporous/smooth and cleanable containers (with a hard lid) must be used to transport trash and debris from the construction areas. These containers must be damp-wiped cleaned and free of visible dust/debris before leaving the contained work area. 17. Worker clothing must be clean and free of visible dust before leaving the work area anteroom. 18. Workers must wear shoe covers prior to entry into the work area. Shoe covers must be changed prior to exiting the anteroom to the occupied space (non-work area). Damaged shoe covers must be immediately changed. 19. Install a sticky (dust collection) mat at entrance of contained work area based on facility policy. Sticky mats must be changed routinely and when visibly soiled. 20. Consider collection of particulate data during work to monitor and ensure that contaminates do not enter the occupied spaces. Routine collection of particulate samples may be used to verify HEPA filtration efficiencies.	Construction areas must be inspected by an infection preventionist or designee and engineering representative for discontinuation or downgrading of ICRA precautions. Work Area Cleaning: 1. Clean work areas including all environmental surfaces, high horizontal surfaces and flooring materials. 2. Check all supply and return air registers for dust accumulation on upper surfaces as well as air diffuser surfaces. Removal of Critical Barriers: 1. Critical barriers must remain in place during all work involving drywall removal, creation of dust and activities beyond simple touch-up work. The barrier may NOT be removed until a work area cleaning has been performed. 2. All (plastic or hard) barrier removal activities must be completed in a manner that prevents dust release. Use the following precautions when removing hard barriers: 1. Carefully remove screws and painter tape. 2. If dust will be generated during screw removal, use hand-held HEPA vacuum. 3. Drywall cutting is prohibited during removal process. 4. Clean all stud tracks with HEPA vacuum before removing outer hard barrier. 5. Use a plastic barrier to enclose area if dust could be generated. Negative Air Requirements: 1. The use of negative air must be designed to remove contaminates from the work area. 2. Negative air devices must remain operational at all times and in place for a period after completion of dust creating activities to remove contaminants from the work area and before removal of critical barriers. HVAC systems: 1. Upon removal of critical barriers, remove isolation of HVAC system in areas where work is being performed. 2. Verify that HVAC systems are clean and operational. 3. Verify the HVAC systems meets original airflow and air exchange design specifications.

SHEET NOTES:

A. TAPE ALL SERVICES TO PROTECT AGAINST CONTAMINATION

B. THE CONTRACTOR SHALL NOT HAUL DEBRIS THROUGH PATIENT-CARE AREAS WITHOUT PRIOR APPROVAL OF THE COR AND THE MEDICAL CENTER

C. USING A HEPA VACUUM, CLEAN INSIDE THE BARRIER AND VACUUM CEILING TILE PRIOR TO REPLACEMENT. ANY CEILING ACCESS PANELS OPENED FOR INVESTIGATION BEYOND SEALED AREAS SHALL BE SEALED IMMEDIATELY WHEN UNATTENDED.

D. AT COMPLETION, REMOVE CONSTRUCTION BARRIERS AND CEILING PROTECTION CAREFULLY, OUTSIDE OF NORMAL WORK HOURS. VACUUM AND CLEAN ALL SURFACES FREE OF DUST AFTER THE REMOVAL.

E. CONTRACTOR TO VERIFY AND COORDINATE FINAL AND APPROVED ICRA MEASURES WITH THE NASHVILLE VA MEDICAL CENTER'S ICRA PERSONNEL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITY.

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSNELL
6/12/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects
Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420
© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: ICRA INFORMATION AND DETAILS

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: #

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Approved

Date: JUNE 13, 2024 | Checked: GTS | Drawn: NPM

Drawing Number: G-100

Dwg 3 of 3

C:\Users\stamres\Documents\E-22-215\VA York-Video Sec Improv-TN_stamres\CBUMB.rvt
6/11/2024 3:25:28 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44

CABLES AND CONNECTORS COLOR LEGEND

DESCRIPTION ITEM	JACK	CABLE	PATCH CABLES	I.D.	CONDUIT COLOR	NOTES
TELEPHONE	IVORY	IVORY	IVORY	T	-	4 PAIR CABLE
DATA/COMPUTER	BLUE	BLUE	BLUE	C	BLUE[1]	4 PAIR CABLE
WIRELESS ACCESS POINT	GREEN	GREEN[3]	GREEN	WAP	-	4 PAIR CABLE
FIBER - MULTI-MODE	BLACK	AQUA	AQUA	FO	-	6/12/24/36
FIBER - SINGLE-MODE	IVORY	YELLOW[3]	YELLOW	FO	-	6/12
SOUND SYSTEM	N/A	GREEN[3]	N/A	SS	YELLOW[2]	MULTI COLOR CONDUCTORS
NURSE CALL	N/A	YELLOW[3]	N/A	NC	YELLOW[2]	4 PAIR UTP
MATV	N/A	BLACK	N/A	MATV	YELLOW[2]	COAX RG6
SSTV - IP	WHITE	WHITE	WHITE	SSTV	YELLOW[2]	SSTV
PACS	N/A	GRAY	N/A	PACS	YELLOW[2]	MULTI COLOR CONDUCTORS

1. HORIZONTAL DATA RUNS SHALL BE INSTALLED IN BLUE CONDUIT WHERE USED FOR HORIZONTAL DATA CABLING. OTHER THAN HORIZONTAL CABLING CONDITIONS SHALL BE IDENTIFIED BY THE FOLLOWING COLORS:
   - DEMARCATION POINT - ORANGE
   - NETWORK CONNECTION - GREEN
   - FIRST LEVEL, TERMINATING BUILDING BACKBONE, MC(CD) TO IC(BD) - WHITE
   - SECOND LEVEL, IC(BD) TO TR(HD/FD) - GRAY
   - CAMPUS BACKBONE - BROWN
2. YELLOW CONDUIT SHALL HAVE A SECONDARY IDENTIFIER COLOR ADDED AS A STRIPE IN ORDER TO INDICATE SPECIFIC SYSTEM SERVED. COORDINATE SECONDARY INDICATING COLOR WITH COR.
3. WHERE MULTIPLE SYSTEMS UTILIZE THE SAME CABLE COLOR, SYSTEM SPECIFIC CABLING SHALL HAVE A STRIPE IN ORDER TO INDICATE SPECIFIC SYSTEM SERVED. COORDINATE STRIPE COLOR FOR SPECIFIC SUBSYSTEMS WITH COR.

SECURITY SYMBOL LEGEND

SYMBOL	HEIGHT	DESCRIPTION
PACS	6' TO TOP	PHYSICAL ACCESS CONTROL SYSTEM
CR	48"	CARD READER (K - KEYPAD)
ES	DOOR	ELECTRONIC LOCKING MECHANISM
EP	DOOR	ELECTRONIC PANIC HARDWARE
DC	DOOR	DOOR CONTACT
RX	ABOVE DOOR	REQUEST FOR EXIT SENSOR
ADO	DOOR	DOOR OPERATOR
	48"	HANDWAVE
	48"	EMERGENCY EXIT BUTTON TO RELEASE DOOR (EEB)
MD	88"	MOTION DETECTOR
	54"	INTERCOM WITH CAMERA
M	DESK	INTERCOM MASTER WITH PUSH TO RELEASE DOOR
H6	CEILING	SSTV H6 ANALYTIC DOME CAMERA FIXED
H6SL	CEILING	SSTV H6SL NON ANALYTIC DOME CAMERA FIXED
SW	CEILING	SSTV H6SL NON ANALYTIC DOME CAMERA FIXED, 2MP VARIENT FOR STAIRWELL
DH	CEILING	SSTV DUAL HEAD CAMERA FIXED
90	CEILING	SSTV 90 DEGREE PANORAMIC MULTISENSOR CAMERA
180	CEILING	SSTV 180 DEGREE PANORAMIC MULTISENSOR CAMERA
270	CEILING	SSTV 270 DEGREE PANORAMIC MULTISENSOR CAMERA
360	CEILING	SSTV 360 DEGREE PANORAMIC MULTISENSOR CAMERA
FE	CEILING	SSTV FISHEYE PANORAMIC CAMERA
SSTV	FLOOR	SSTV CAMERA EQUIPMENT CABINET
AOF	6' TO TOP	AREA OF REFUGE PANEL
AOFA	6' TO TOP	AREA OF REFUGE ANNUNCIATION PANEL
IC	48"	AREA OF REFUGE INTERCOM
S	CEILING	AREA OF REFUGE STROBE LIGHT
DP	48"	DURESS PANIC ALARM PUSH BUTTON
DPP	6' TO TOP	DURESS PANIC ALARM PANEL

ALL HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.
ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE.
SEE DRAWINGS FOR MORE INFORMATION.
NOTE: NOT ALL SYMBOLS ARE USED.

WALL RATING LEGEND

- 2 HOUR FIRE SEPARATION
- 1 HOUR FIRE SEPARATION
- SMOKE RATED

CAMERA TYPE SCHEDULE

HEIGHT	TYPE	DESCRIPTION	MANUFACTURER	COUNT
12'-0" AFG UNO	H5A DH	SSTV DUEL HEAD	AVIGILON (BASIS OF DESIGN)	11
12'-0" AFG UNO	H5A FE	SSTV FISH EYE	AVIGILON (BASIS OF DESIGN)	17
12'-0" AFG UNO	H5A MS 180	SSTV MULTISENSOR	AVIGILON (BASIS OF DESIGN)	2
12'-0" AFG UNO	H5A MS 270	SSTV MULTISENSOR	AVIGILON (BASIS OF DESIGN)	47
12'-0" AFG UNO	H5A MS 360	SSTV MULTISENSOR	AVIGILON (BASIS OF DESIGN)	13
12'-0" AFG UNO	H6	SSTV FIXED DOME	AVIGILON (BASIS OF DESIGN)	112
12'-0" AFG UNO	H6SL	SSTV FIXED DOME	AVIGILON (BASIS OF DESIGN)	23
12'-0" AFG UNO	H6SL SW	SSTV FIXED DOME	AVIGILON (BASIS OF DESIGN)	17
Grand total: 242				242

PROPOSED PHASING SCHEME

1. INSTALL FIBER BACKBONE CABLING FROM NEW SECURITY CAMERA HEADENED EQUIPMENT TO NEW POE CISCO SWITCH TO BE INSTALLED IN ROOM 115, BUILDING 5, TO FACILITATE CONNECTION TO CAMPUS SECURED FIBER OPTIC NETWORK.
2. RUN NEW CAT6A COPPER CABLES (OR FIBER CABLES FOR DISTANCES OVER 90 METERS) FROM EXISTING IT ROOM TO CAMERA LOCATIONS.
3. INSTALL SECURITY CAMERA HEADEND EQUIPMENT, CONDUIT ALONG WITH EQUIPMENT RACK IN SERVER ROOM 115 AND REQUIRED POWER OUTLETS.
4. INSTALL MONITORS IN POLICE DISPATCH ROOM.
5. INSTALL WALL MOUNTED AND CEILING MOUNTED SECURITY CAMERAS. NEW CAMERAS TO BE CONNECTED PRIOR TO REMOVAL OF THOSE BEING REPLACED TO AVOID BLIND SPOTS.
6. MAKE CONNECTIONS TO CAMERAS.
7. REMOVE ALL REMAINING EXISTING CAMERAS, EQUIPMENT AND CABLING.
8. REMOVE ALL REMAINING EXISTING CAMERAS, EQUIPMENT AND CABLING.
9. REMOVE REPLACED EXISTING CAMERAS AND UNUSED POWER AND DATA CABLES.

GENERAL TECHNOLOGY SYMBOL LEGEND

SYMBOL	HEIGHT	DESCRIPTION	
N	18"	DATA OUTLET - N-4 PR UTP	(N - QUANTITY)
N	48"	TELCO OUTLET - N-4 PR UTP	(N - QUANTITY)
W	48"	WALL PHONE JACK	
N	CEILING	WIRELESS ACCESS POINT - N-4 PR UTP	(N - QUANTITY)
S N	CEILING	SECURE WIRELESS ACCESS POINT - N-4 PR UTP	(N - QUANTITY)
	AS NOTED	TV OUTLET WALL MOUNTED	
	FLOOR	CHANNEL TR EQUIPMENT RACK	
	FLOOR	TR EQUIPMENT CABINET	
MATV	6' TO TOP	MATV EQUIPMENT CABINET	
	ABOVE CEILING	LADDER CABLE TRAY (4" HIGH - SEE PLANS FOR OTHER DIMENSIONS)	
	18"	GROUND BUS	
	8"	4'x8'x3/4" FIRE RETARDED TTB	
	FLOOR	HIGH CAPACITY FLOOR BOX FOR DATA (2-4P) & POWER (4-RECEPTACLE)	
J	AS NOTED	JUNCTION BOX - AS NOTED ON PLANS	

ALL HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.
ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE.
SEE DRAWINGS FOR MORE INFORMATION.
NOTE: NOT ALL SYMBOLS ARE USED.

TECHNOLOGY GENERAL NOTES

1. PROVIDE TECHNOLOGY DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, MANUFACTURER'S RECOMMENDED PROCEDURES, ALL APPLICABLE LOCAL AND STATE CODES, AMERICANS WITH DISABILITIES ACT, LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, BICSI STANDARDS, AND VA OIT STANDARDS.
2. PROVIDE ADDITIONAL SUPPORT FOR DEVICES AND EQUIPMENT WHERE BUILDING CONSTRUCTION IS NOT SUITABLE FOR DIRECT MOUNTING.
3. FIRESTOP, DRAFTSTOP, SMOKESTOP OR PROTECT ANNULAR SPACE AROUND PENETRATIONS THROUGH WALLS, PARTITIONS, FLOORS, CEILINGS, AND ROOF IN ACCORDANCE WITH REQUIREMENTS OF NFPA 70, UL LISTING REQUIREMENT AND APPLICABLE BUILDING CODES.
4. PROVIDE CABLING THAT COMPLIES WITH THE LATEST EDITION OF TELECOMMUNICATIONS DISTRIBUTION METHOD MANUAL AND ANSI/TIA/EIA PUBLICATIONS.
5. COMPLY WITH THE LATEST ANSI/TIA/EIA 758 AND 607D - BONDING AND GROUNDING TELECOMMUNICATIONS.
6. COMPLY WITH THE LATEST ANSI/TIA/EIA 568.1E - COMMERCIAL BUILDING TELECOMMUNICATIONS WIRING STANDARD.
7. COMPLY WITH THE LATEST ANSI/TIA/EIA 569E - TELECOMMUNICATIONS PATHWAYS AND SPACES.
8. COMPLY WITH ANSI/TIA-1069 STANDARD FOR HOSPITAL SIGNALING & NURSE CALL EQUIPMENT.
9. COMPLY WITH ANSI/TIA-1179 HEALTHCARE FACILITY TELECOMMUNICATION INFRASTRUCTURE STANDARD.
10. COMPLY WITH THE LATEST NFPA 70 NATIONAL ELECTRICAL CODE.
11. COMPLY WITH THE LATEST NFPA 99 HEALTHCARE FACILITIES CODE.
12. COMPLY WITH THE LATEST NFPA 101 LIFE SAFETY CODE.
13. CONTRACTOR RESPONSIBLE FOR THE COORDINATION OF ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
14. MANUFACTURER'S NAME AND MODEL NUMBER ARE GIVEN FOR DESCRIPTIVE PURPOSES TO INDICATE A QUALITY STANDARD AND ARE NOT INTENDED TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. PRODUCTS DEEMED EQUAL IN ACCORDANCE WITH SPECIFIED PROCESSES FOR APPROVAL AND APPROVED BY THE COR WILL BE ACCEPTABLE. COMPLY WITH "BUY AMERICAN ACT".
15. MOUNTING HEIGHTS INDICATED ARE TO CENTER OF DEVICE, BOXES, OUTLET, OR EQUIPMENT UNLESS NOTED OTHERWISE.
16. PROVIDE RGS OR EMT CONDUIT UNLESS OTHERWISE NOTED.
17. PROVIDE MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT LABEL LISTED BY APPROVED THIRD PARTY TESTING AGENCY.
18. NOTIFY COR REGARDING DISCREPANCY BETWEEN PLANS AND SPECIFICATIONS FOR CLARIFICATION. THE MORE STRINGENT SHALL TAKE PRECEDENCE.
19. PROVIDE TIA/EIA 4 PR UTP COPPER CABLE, JACKS, AND CONNECTORS.
20. ALL WORK AREA OUTLETS SHALL BE 8 PIN, 8P8C KEYSTONE JACK WIRED PER T568B.
21. LABEL DEVICES IN ACCORDANCE WITH LATEST ANSI/TIA 606A OR 606B EDITION AS WELL AS THE STANDARDS SET FORTH BY THE VAMC OIT.
22. PROVIDE A MINIMUM OF 12" CLEARANCE ABOVE THE CABLE TRAY PER TIA/EIA 569.B PARAGRAPH 4.5.6.2.
23. VA SHALL CONDUCT A WAP SURVEY AND PROVIDE THE SURVEY TO THE CONTRACTOR. CONTRACTOR SHALL INSTALL CABLING AND EQUIPMENT IN ACCORDANCE WITH THE SURVEY. COORDINATE WITH COR/OIT.
24. ALL CABLING INSTALLED ABOVE CEILING SHALL BE PLENUM RATED.
25. MINIMUM CONDUIT SIZE TO BE USED IS 1 1/4" CONDUIT.
26. WALL MOUNTED DEVICES PLACED IN TELECOMMUNICATIONS ROOM TO BE MOUNTED ON FIRE RETARDANT PLYWOOD.
27. ALL CAMERAS SHALL BE IN COMPLIANCE WITH THE NATIONAL DEFENSE AUTHORIZATION ACT.

TECHNOLOGY ABBREVIATIONS LIST

ADO	AUTOMATIC DOOR OPERATOR	OC	ON CENTER
AFF	ABOVE FINISH FLOOR	OIT	OFFICE OF INFORMATION TECHNOLOGY
AFG	ABOVE FINISH GRADE		
BOD	BASIS OF DESIGN	PACS	PHYSICAL ACCESS CONTROL SYSTEM
		PAMN	PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEM
CCTV	CLOSED CIRCUIT TELEVISION	PB	PUSH BUTTON
COAX	COAXIAL CABLE	PBB	PRIMARY BONDING BUSBAR
COMM	COMMUNICATION	PDU	RACK POWER DISTRIBUTION UNITS
COR	CONTRACTING OFFICER REPRESENTATIVE	POE	POWER OVER ETHERNET
		PR	PAIR
DC	DOOR CONTACT SWITCH	RBB	RACK BONDING BUSBAR
DN	DOWN	RGS	RIGID GALVANIZED STEEL CONDUIT
DO	DOOR OPERATOR	RX	REQUEST TO EXIT
DVC	DIGITAL VOICE COMMAND		
DVR	DIGITAL VIDEO RECORDER	SBB	SECONDARY BONDING BUSBAR
		SEP	SERVICE ENTRANCE PROTECTION
E	EXISTING DEVICES	SLC	SIGNALING LINE CIRCUIT
EEB	EMERGENCY EXIT BUTTON	SM	SINGLE MODE FIBER
EL	ELECTRICAL STRIKE	SSTV	SECURITY SURVAILLANCE TELEVISION SYSTEM
EMT	ELECTRICAL METALLIC CONDUIT		
ETR	EXISTING TO REMAIN	TBB	TELECOM BONDING CONDUCTOR
		TEL	TELEPHONE
FA	FIRE ALARM	TM	TELEMONITORING
FACP	FIRE ALARM CONTROL PANEL	TP	TWISTED PAIR
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TR	TELECOM ROOM
FO	FIBER OPTIC	TTB	TELEPHONE TERMINAL BOARD
FAGAP	FIRE ALARM GRAPHIC ANNUNCIATOR PANEL	TV	TELEVISION
IT	INTERCOMMUNICATION ROOM	WM	WIRE MANAGEMENT
		WAP	WIRELESS ACCESS POINT
MATV	MASTER ANTENNA TELEVISION		
MMF	MULTI MODE FIBER	UL	UNDERWRITERS LABORATORY
		UPS	UNINTERRUPTIBLE POWER SUPPLY
NAC	NOTIFICATION APPLIANCE CONTROL PANEL	UTP	UNSHIELDED TWISTED PAIR
N	NEW DEVICES		
NCA	NETWORK CONTROL ANNUNCIATOR		
NS	NO SCALE		
NTS	NOT TO SCALE		
NVR	NETWORK VIDEO RECORDER		

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER
GABRIEL R. GOSSETT
7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: #

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Approved:

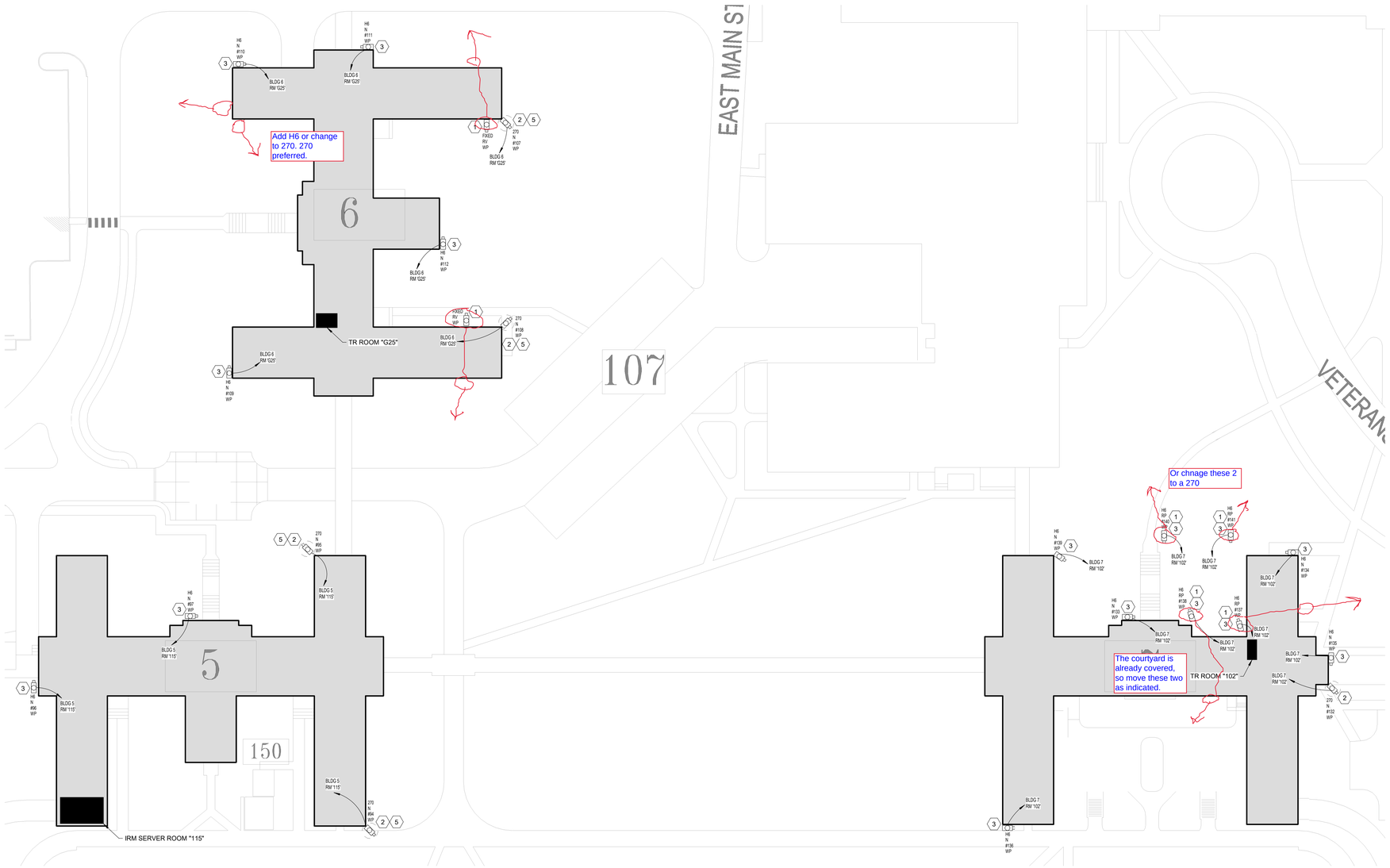
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: T-001

Dwg 1 of 26

C:\Users\lstarnes\Documents\E-22-215Y-VA York-Video Sec Improv-TN_lstarnesCBUMB.rvt
7/23/2024 4:19:44 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **SITE PLAN - MURFREESBORO VAMC - NORTH**
Scale: 1" = 110'-0"

0 15 30 60

SHEET NOTES:

A. DEMOLISH CAMERAS AS NOTED (SEE CAMERA ABBREVIATIONS). REMOVE CABLING AND CONDUIT BACK TO SOURCE. PATCH/REPAIR AND PAINT SURFACES AFFECTED BY DEMOLITION TO MATCH SURROUNDING AREA. REPLACE ANY CEILING TILES DAMAGED OR BROKEN DURING DEMOLITION AT NO ADDITIONAL COST TO THE VA.

B. PROVIDE AND INSTALL NEW CAMERAS AS NOTED (SEE CAMERA ABBREVIATIONS). RUN NEW 4 PR UTP TO CCTV EQUIPMENT IN DESIGNATED IT ROOM.

C. REMOVE AND REPLACE CAMERAS AS NOTED (SEE CAMERA ABBREVIATIONS). RUN NEW 4 PR UTP TO CCTV EQUIPMENT IN DESIGNATED IT ROOM.

D. CCTV SERVICES ARE TO REMAIN ACTIVE OUTISIDE AREAS UNDER ACTIVE CONSTRUCTION AT ALL TIMES. FIELD VERIFY CIRCUITS SHOWN AND RETAIN SERVICES TO ALL DEVICES AND/OR SYSTEMS DURING DEMOLITION AND REMODEL OF THE RESPECTIVE AREAS.

E. ALL EXISTING CONDITIONS AND DEVICES ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY AND VISUAL INSPECTION. VERIFY EXISTING CONDITIONS IN FIELD.

F. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

G. ALL CONDUIT SECURITY JUNCTION BOXES AND RACEWAY PROVIDED BY ELECTRICAL CONTRACTOR UNO. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT PER THE MOST CURRENT EDITION OF THE NEC.

H. ALL EXPOSED BOXES AND PANELS MOUNTED ON OR IN THE EXTERIOR WALLS SHALL BE WEATHERPROOF AND RAIN-TIGHT.

I. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

J. ALL CAMERAS AND EQUIPMENT THAT IS REMOVED SHALL BE TURNED OVER TO THE POLICE DEPARTMENT. COORDINATE WITH COR.

K. ALL EXTERIOR CAMERAS TO BE WEATHERPROOF.

M. ALL EXTERIOR 270 DEGREE CAMERAS TO BE MOUNTED DIRECTLY ON THE CORNERS OF THE BUILDINGS.

N. CONTRACTOR SHALL PLAN PENETRATIONS AND CONDUIT RUNS FROM EXTERIOR CAMERAS INTO THE BUILDINGS SO AS TO MINIMIZE THE CHANGES TO THE BUILDINGS EXTERIOR AND WILL MINIMIZE THE NECESSARY CONDUIT RUNS ON THE EXTERIOR OF THE BUILDING.

O. COORDINATE EXTERIOR CAMERA MOUNTING HEIGHT WITH THE INTERIOR CEILING HEIGHT TO MINIMIZE EXTERIOR CONDUIT RUNS. REUSE EXISTING CONDUIT RUNS AND BUILDING PENETRATIONS WHEN POSSIBLE.

P. COORDINATE ALL NEW CAMERA LOCATIONS WITH COR PRIOR TO ROUGH-IN.

Q. ALL CONDUIT RUNS ON THE EXTERIOR OF THE BUILDING SHALL BE PAINTED TO MATCH THE BUILDING COLOR PRIOR TO ROUGH-IN.

KEY NOTES:

1 EXISTING CAMERA APPROXIMATELY 12 FEET AFG TO BE REMOVED AND REPLACED WITH NEW CAMERA.
2 PROVIDE CORNER MOUNT BRACKET.
3 PROVIDE FLAT WALL BRACKET.
5 LENS OF MULTISENSOR CAMERA TO BE DIRECTED TO COVER ENTRANCE OF BUILDING.

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 250762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSSETT
7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

APOGEE Engineers | Architects
© COPYRIGHT Apogee Consulting Group, P.A.

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY SITE PLAN

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: #

Location: ALVIN C. YORK CAMPUS
3400 LEBANON ROAD
MURFREESBORO, TN 37129

Approved

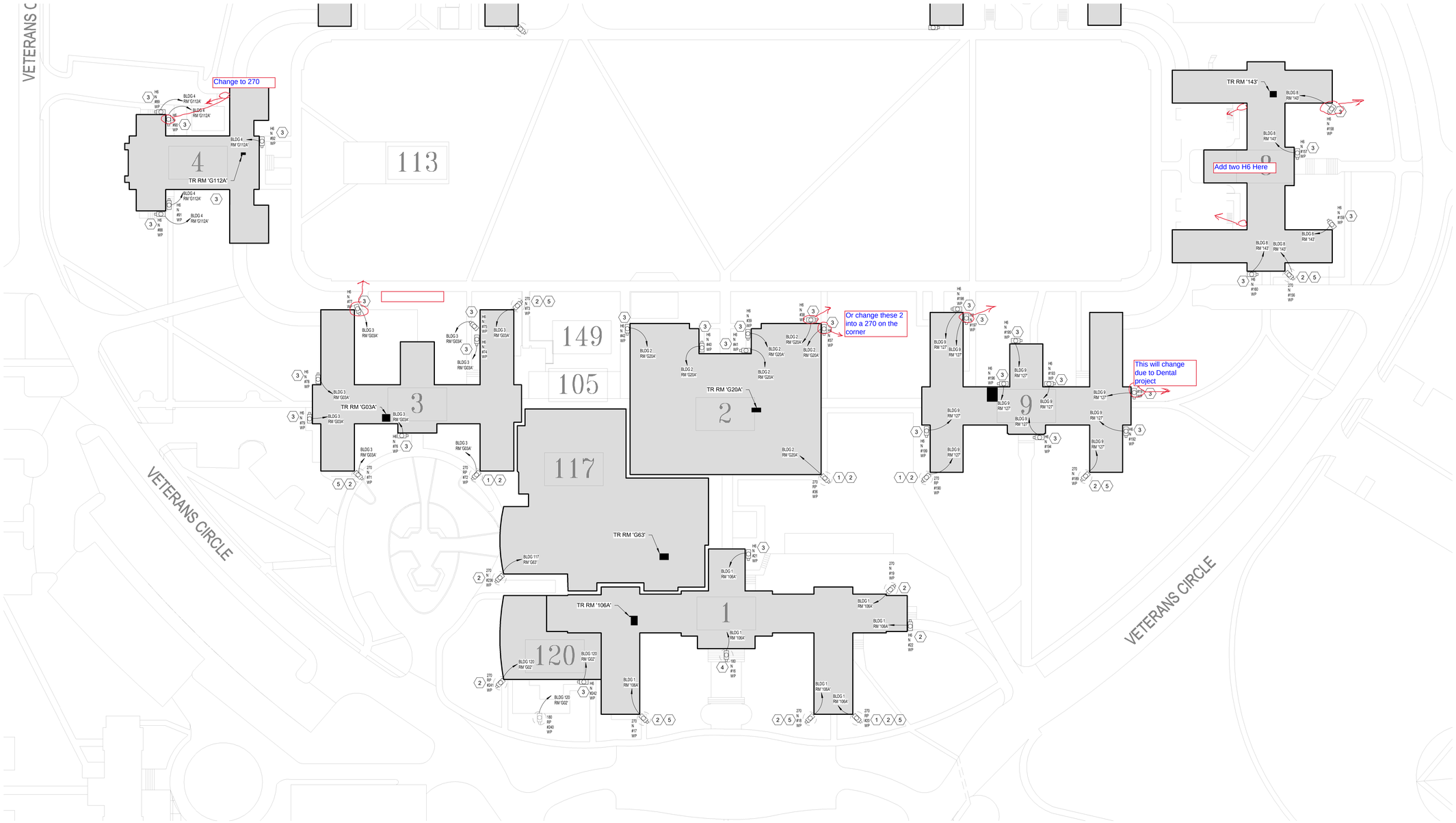
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: TS101

Dwg 2 of 26

C:\Users\lasamas\Documents\E-22-215Y-VA York Video Sec Improv-TN_lasamasCBUIMB.rvt
7/23/2024 4:20:11 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **SITE PLAN - MURFREESBORO VAMC - SOUTH**
Scale: 1" = 110'-0"

SHEET NOTES:

A. DEMOLISH CAMERAS AS NOTED (SEE CAMERA ABBREVIATIONS). REMOVE CABLING AND CONDUIT BACK TO SOURCE. PATCH/REPAIR AND PAINT SURFACES AFFECTED BY DEMOLITION TO MATCH SURROUNDING AREA. REPLACE ANY CEILING TILES DAMAGED OR BROKEN DURING DEMOLITION AT NO ADDITIONAL COST TO THE VA.

B. PROVIDE AND INSTALL NEW CAMERAS AS NOTED (SEE CAMERA ABBREVIATIONS). RUN NEW 4 PR UTP TO CCTV EQUIPMENT IN DESIGNATED IT ROOM.

C. REMOVE AND REPLACE CAMERAS AS NOTED (SEE CAMERA ABBREVIATIONS). RUN NEW 4 PR UTP TO CCTV EQUIPMENT IN DESIGNATED IT ROOM.

D. CCTV SERVICES ARE TO REMAIN ACTIVE OUTSIDE AREAS UNDER ACTIVE CONSTRUCTION AT ALL TIMES. FIELD VERIFY CIRCUITS SHOWN AND RETAIN SERVICES TO ALL DEVICES AND/OR SYSTEMS DURING DEMOLITION AND REMODEL OF THE RESPECTIVE AREAS.

E. ALL EXISTING CONDITIONS AND DEVICES ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY AND VISUAL INSPECTION. VERIFY EXISTING CONDITIONS IN FIELD.

F. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

G. ALL CONDUIT SECURITY JUNCTION BOXES AND RACEWAY PROVIDED BY ELECTRICAL CONTRACTOR UNO. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT PER THE MOST CURRENT EDITION OF THE NEC.

H. ALL EXPOSED BOXES AND PANELS MOUNTED ON OR IN THE EXTERIOR WALLS SHALL BE WEATHERPROOF AND RAIN-TIGHT.

I. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEED 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

J. ALL CAMERAS AND EQUIPMENT THAT IS REMOVED SHALL BE TURNED OVER TO THE POLICE DEPARTMENT. COORDINATE WITH COR.

K. ALL EXTERIOR CAMERAS TO BE WEATHERPROOF.

M. ALL EXTERIOR 270 DEGREE CAMERAS TO BE MOUNTED DIRECTLY ON THE CORNERS OF THE BUILDINGS.

N. CONTRACTOR SHALL PLAN PENETRATIONS AND CONDUIT RUNS FROM EXTERIOR CAMERAS INTO THE BUILDINGS SO AS TO MINIMIZE THE CHANGES TO THE BUILDINGS EXTERIOR AND WILL MINIMIZE THE NECESSARY CONDUIT RUNS ON THE EXTERIOR OF THE BUILDING.

O. COORDINATE EXTERIOR CAMERA MOUNTING HEIGHT WITH THE INTERIOR CEILING HEIGHT TO MINIMIZE EXTERIOR CONDUIT RUNS. REUSE EXISTING CONDUIT RUNS AND BUILDING PENETRATIONS WHEN POSSIBLE.

P. COORDINATE ALL NEW CAMERA LOCATIONS WITH COR PRIOR TO ROUGH-IN.

Q. ALL CONDUIT RUNS ON THE EXTERIOR OF THE BUILDING SHALL BE PAINTED TO MATCH THE BUILDING COLOR PRIOR TO ROUGH-IN.

KEY NOTES:

1 EXISTING CAMERA APPROXIMATELY 12 FEET AFG TO BE REMOVED AND REPLACED WITH NEW CAMERA.
2 PROVIDE CORNER MOUNT BRACKET.
3 PROVIDE FLAT WALL BRACKET.
4 REPLACE CAMERA AT ENTRANCE UNDER OVERHANG.
5 LENS OF MULTISENSOR CAMERA TO BE DIRECTED TO COVER ENTRANCE OF BUILDING.

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSSETT
7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

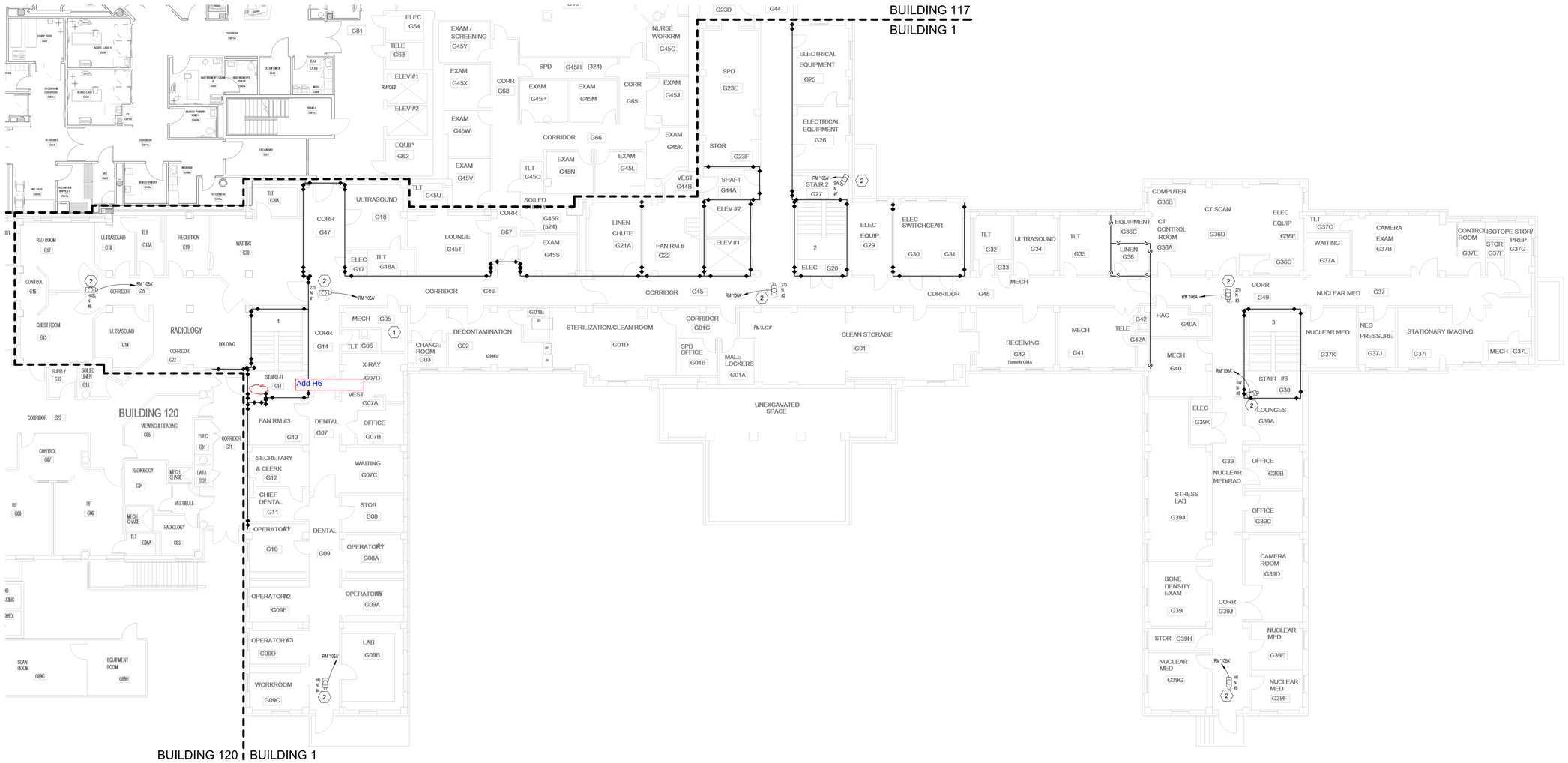
APOGEE Engineers | Architects
Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420
© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY SITE PLAN
Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129
Project Title: VIDEO SURVEILLANCE SECURITY YORK
Approved
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS
VA PROJECT NUMBER: 626A4-22-104
Building Number: #
Drawing Number: TS102
Dwg 3 of 26

C:\Users\lastamer\Documents\E-22-215Y-VA York-Video Sec Improv-TN_lastamerCBUMB.rvt
7/23/2024 4:20:48 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **BUILDING 1 GROUND FLOOR SECURITY PLAN**

Scale: 3/32" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1 ROUTE UTP CABLING UP TO TELECOM ROOM ABOVE.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK

FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 290762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOODMAN 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511

www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 1 GROUND FLOOR SECURITY PLAN

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Project Title: VIDEO SURVEILLANCE SECURITY YORK

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

VA PROJECT NUMBER 626A4-22-104

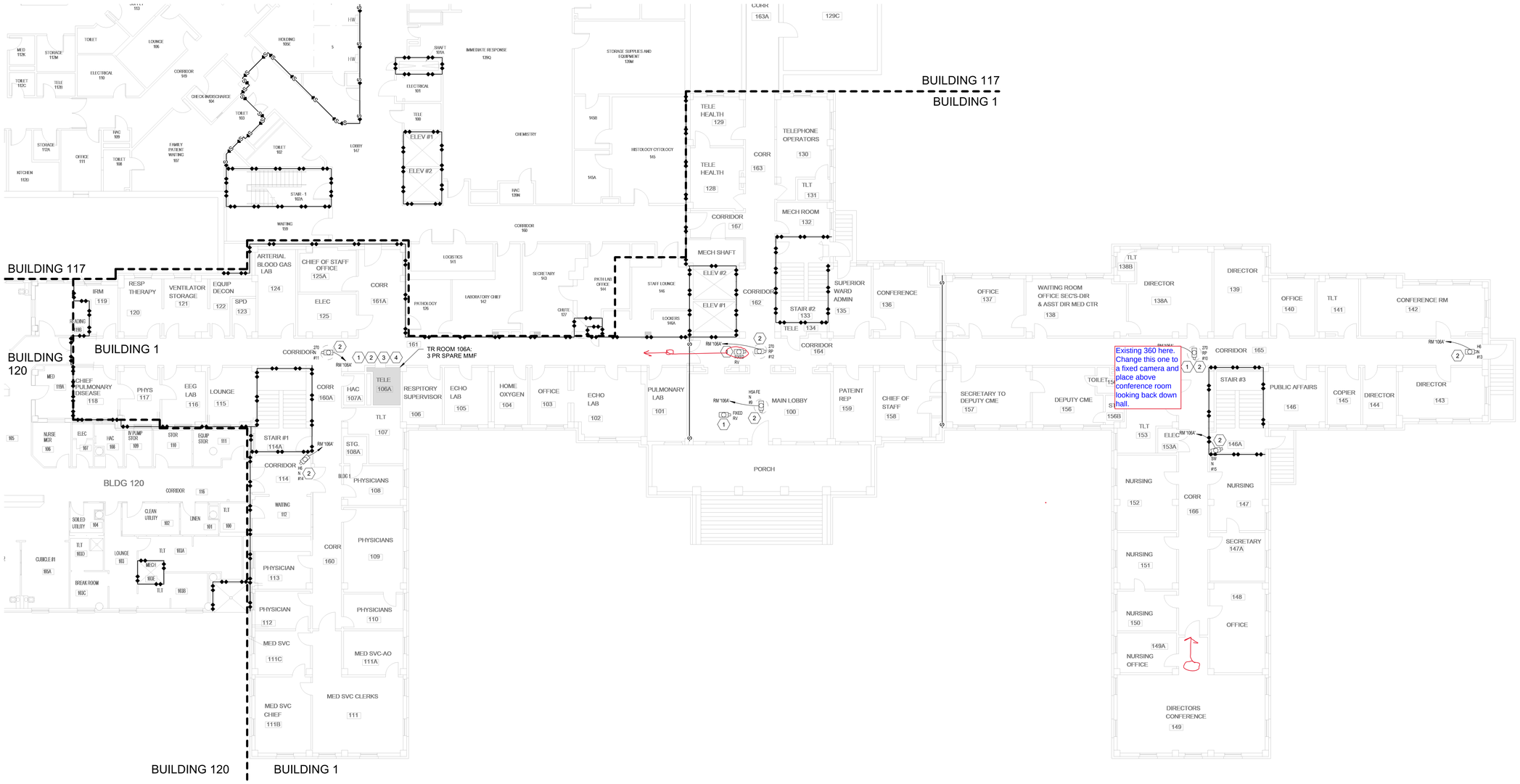
Building Number # 1

Drawing Number 1.T-101

Dwg 4 of 26

C:\Users\stamres\Documents\E-22-215\VA York-Video Sec Improv-TN_stamres\CBUMB.rvt
7/23/2024 4:20:55 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 BUILDING 1 FIRST FLOOR SECURITY PLAN

Scale: 3/32" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

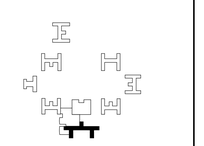
KEY NOTES:

1. REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.
2. INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.
3. PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.
4. ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK



FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

BICSI COMMUNICATIONS DISTRIBUTION DESIGNER — BICSI ID# 290762 — EXPIRES 12-31-24

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER — GARRETT R. GOODMAN — 7/24/2024

PROJECT MANAGER

ACG Project Number: 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511

www.acg-pa.com 919-858-7420

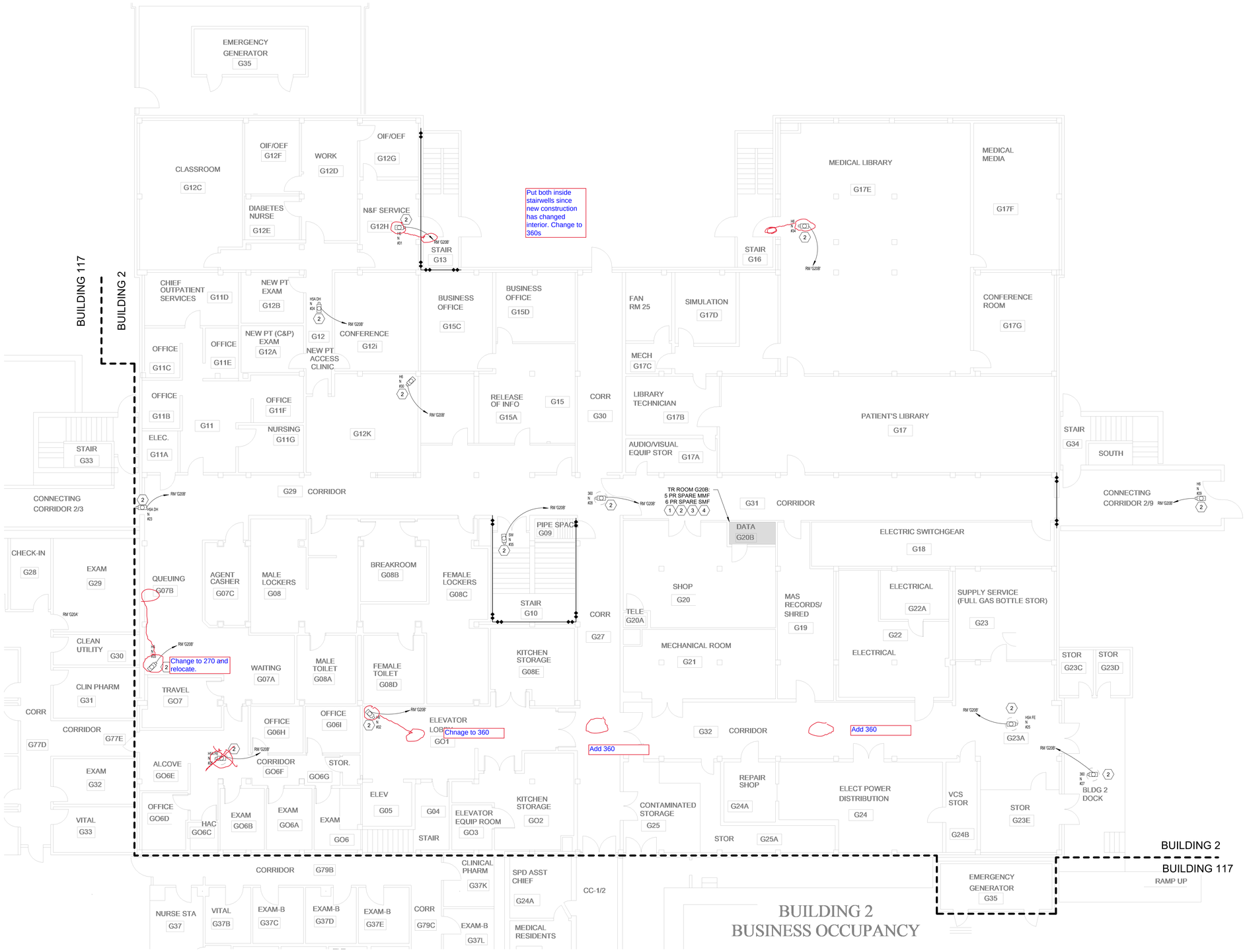
© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	BULIDING 1 FIRST FLOOR SECURITY PLAN
Project Title	VIDEO SURVEILLANCE SECURITY YORK
VA PROJECT NUMBER	626A4-22-104
Building Number	# 1
Location	ALVIN C. YORK CAMPUS 3400 LEBANON ROAD MURFREESBORO, TN 37129
Approved	
Date	JUNE 13, 2024
Checked	JVE
Drawn	LAS
Drawing Number	1.T-102
Dwg	5 of 26

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 BUILDING 2 GROUND FLOOR SECURITY PLAN

Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

3 PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.

4 ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK

FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 250762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER CAMERON R. GOODRICH 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BULDING 2 GROUND FLOOR SECURITY PLAN

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: # 2

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Approved

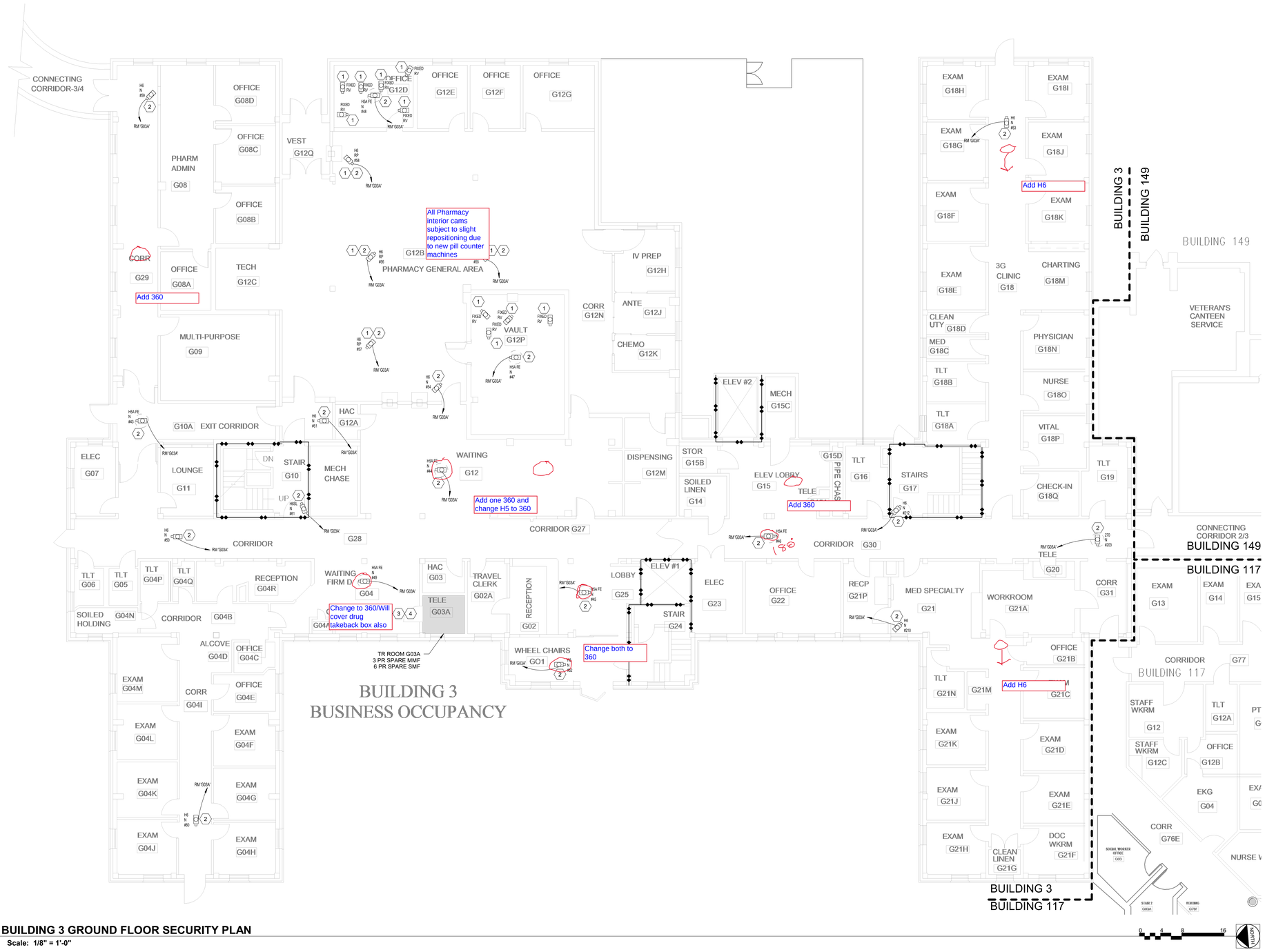
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: 2.T-101

Dwg 6 of 26

C:\Users\lstarnes\Documents\E-22-215Y-VA York Video Sec Improv-TN_lstarnesCBUMB.rvt
7/23/2024 4:21:30 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **BUILDING 3 GROUND FLOOR SECURITY PLAN**

Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

3 PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.

4 ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK

FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 290762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSSETT 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 3 GROUND FLOOR SECURITY PLAN

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Project Title: VIDEO SURVEILLANCE SECURITY YORK

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

VA PROJECT NUMBER: 626A4-22-104

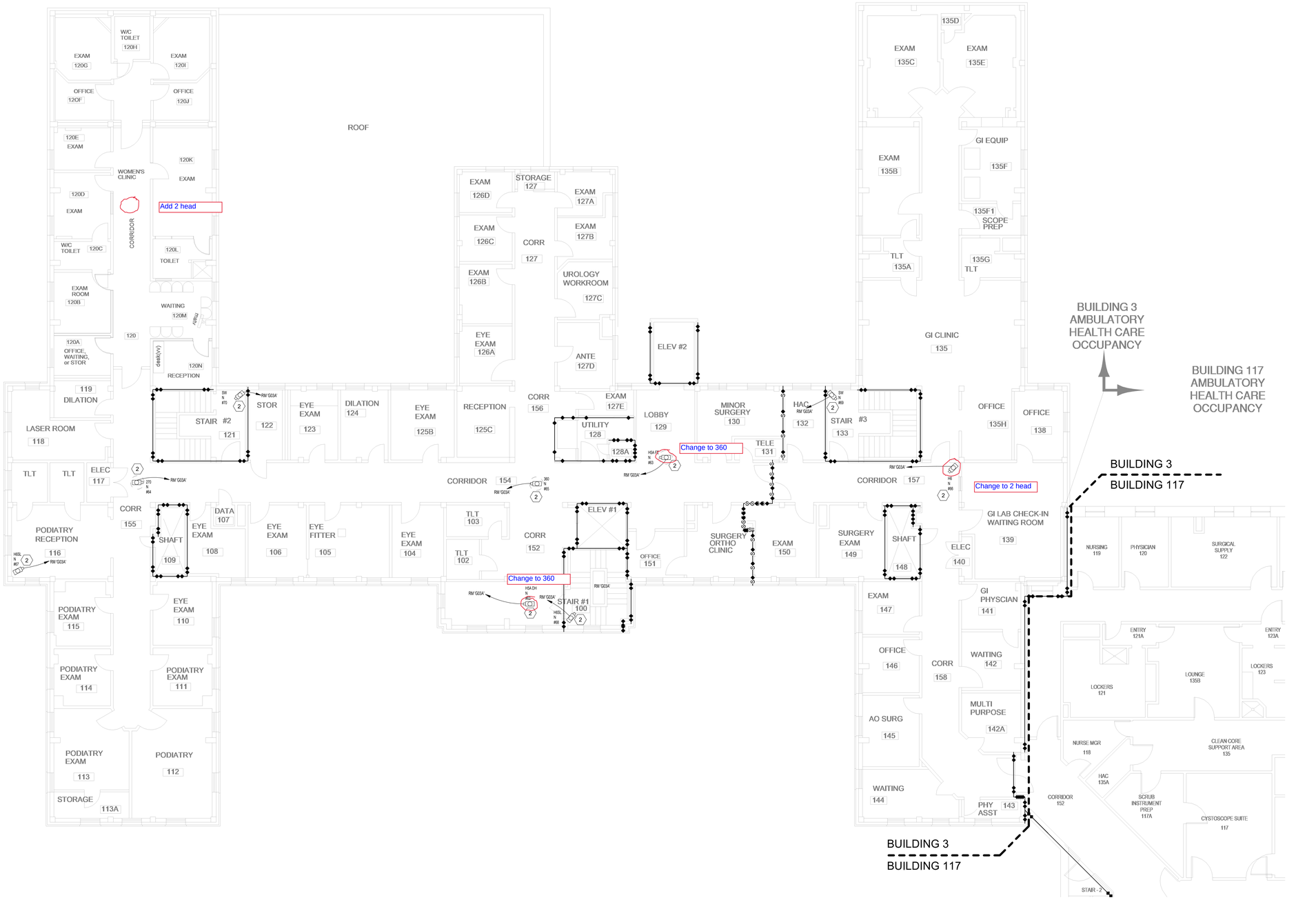
Building Number: # 3

Drawing Number: 3.T-101

Dwg 7 of 26

C:\Users\stamet\Documents\E-22-215Y-VA York-Video Sec Improv-TN_stametCBUMB.rvt
7/23/2024 4:21:53 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **BUILDING 3 FIRST FLOOR SECURITY PLAN**
Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

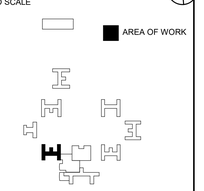
G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

KEY PLAN
SCALE: NO SCALE



FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOODSTEIN
7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

APOGEE Engineers | Architects
© COPYRIGHT Apogee Consulting Group, P.A.

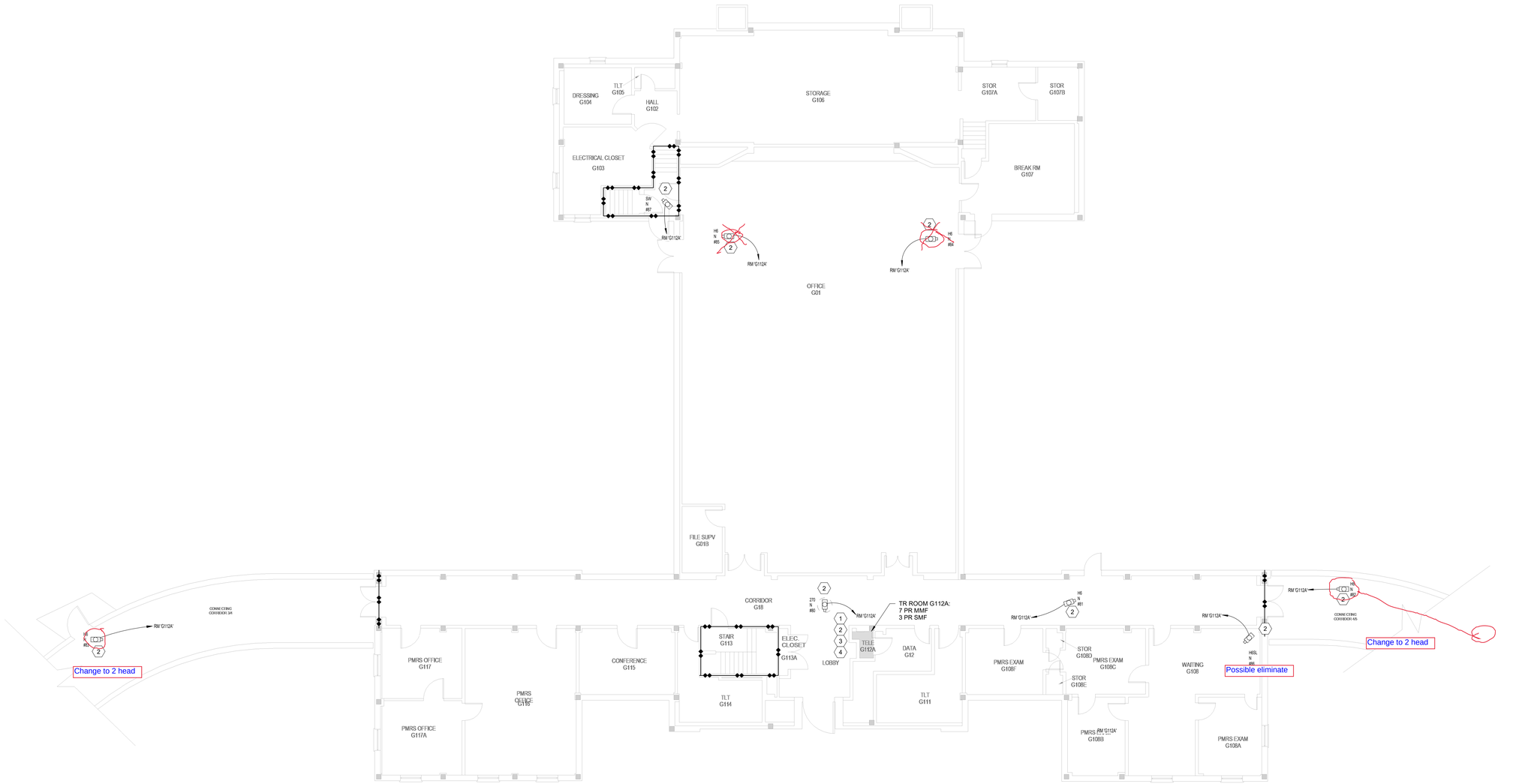
Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 3 FIRST FLOOR SECURITY PLAN
Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129
Project Title: VIDEO SURVEILLANCE SECURITY YORK
Approved
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS
VA PROJECT NUMBER: 626A4-22-104
Building Number: # 3
Drawing Number: 3.T-102
Dwg 8 of 26

C:\Users\lstarnes\Documents\E-22-215\P-VA York-Video Sec Improv-TN_lstarnesCBUMB.rvt
7/23/2024 4:21:56 PM

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



2 BUILDING 4 GROUND FLOOR SECURITY PLAN

Scale: 1/8" = 1'-0"

0 4 8 16

NORTH

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

3 PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.

4 ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK

FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 250762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER CAMERON R. GOODWIN 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BULIDING 4 GROUND FLOOR SECURITY PLAN

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: # 4

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: 4.T-101

Dwg 9 of 26

C:\Users\istamel\Documents\E-22-215Y-VA York Video Sec Improv-TN_istamelCBUMB.rvt
7/23/2024 4:21:59 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

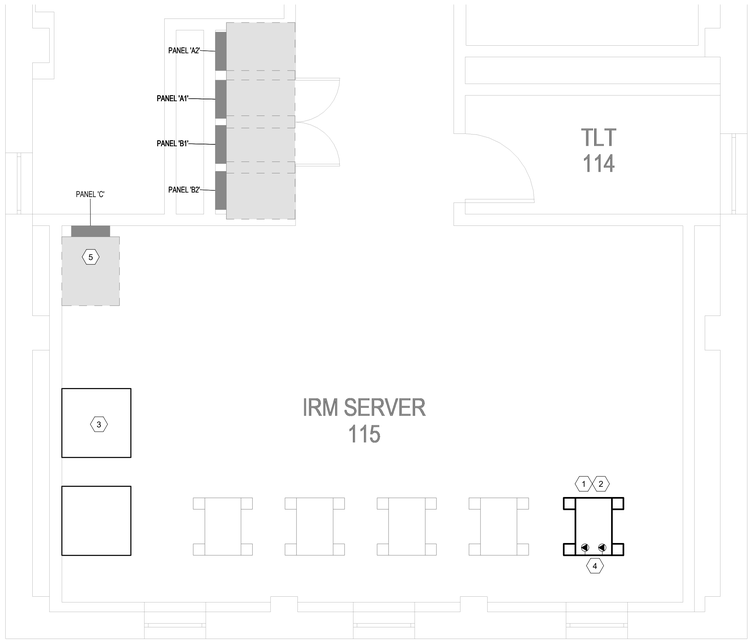
F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

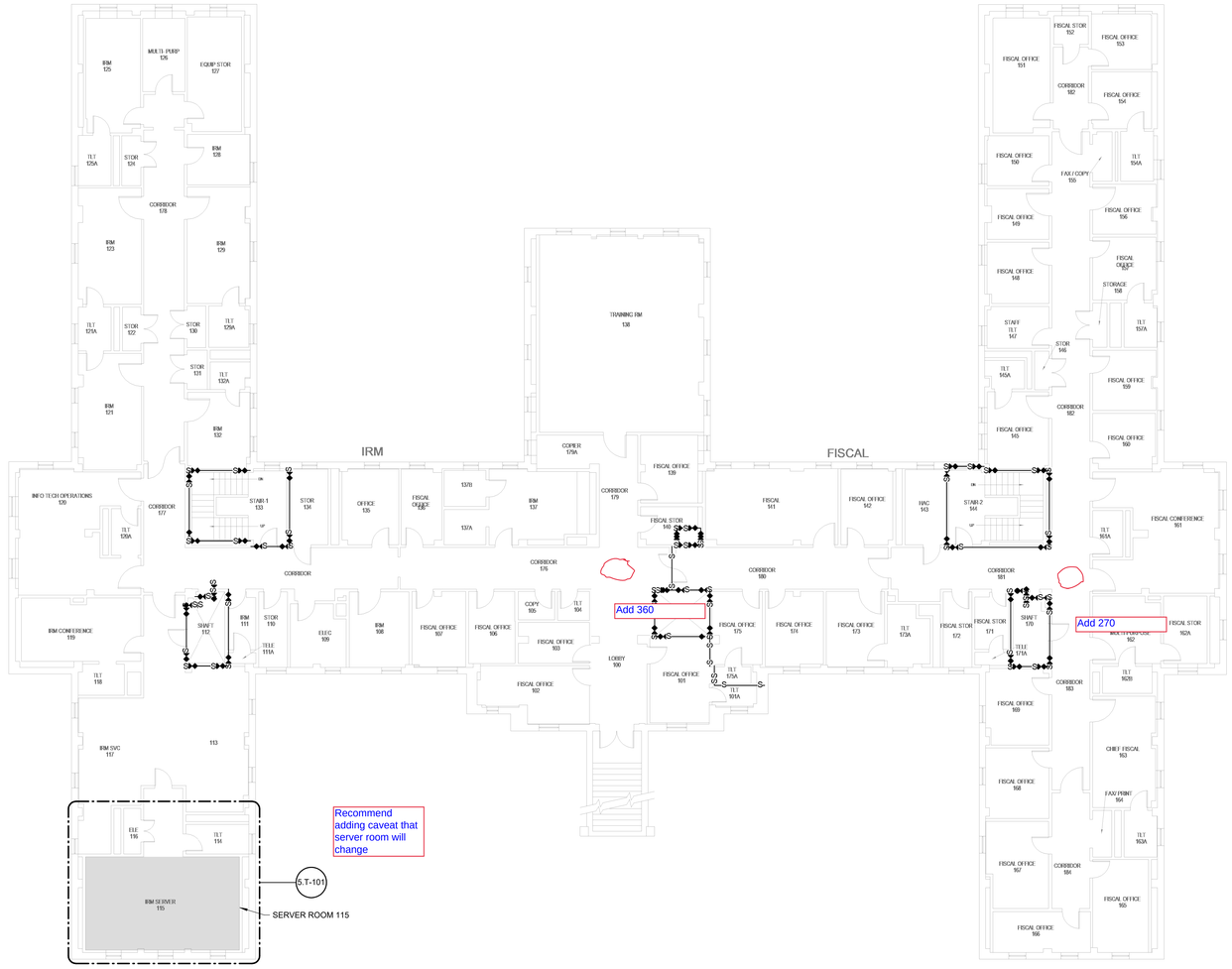
H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1. PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.
2. INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.
3. EXISTING UPS WITH 120/208V POWER DISTRIBUTION PANEL.
4. NEW CCTV HEAD END EQUIPMENT TO BE MOUNTED IN NEW CABINET. COORDINATE LOCATION WITH COR.
5. PROVIDE 1P, 20A CIRCUIT BREAKER IN THE EXISTING 120/208V UPS DISTRIBUTION PANEL. RECEPTACLE AND CIRCUIT TO LOCATED UNDER RAISED FLOOR.



2 BUILDING 5 FIRST FLOOR IRM SERVER ROOM ENLARGED PLAN
Scale: 3/8" = 1'-0"



1 BUILDING 5 FIRST FLOOR SECURITY PLAN
Scale: 3/32" = 1'-0"

KEY PLAN

SCALE: NO SCALE

AREA OF WORK

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 290762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GABRIEL T. R. GOSSETT 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 5 FIRST FLOOR SECURITY PLAN

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: # 5

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Approved

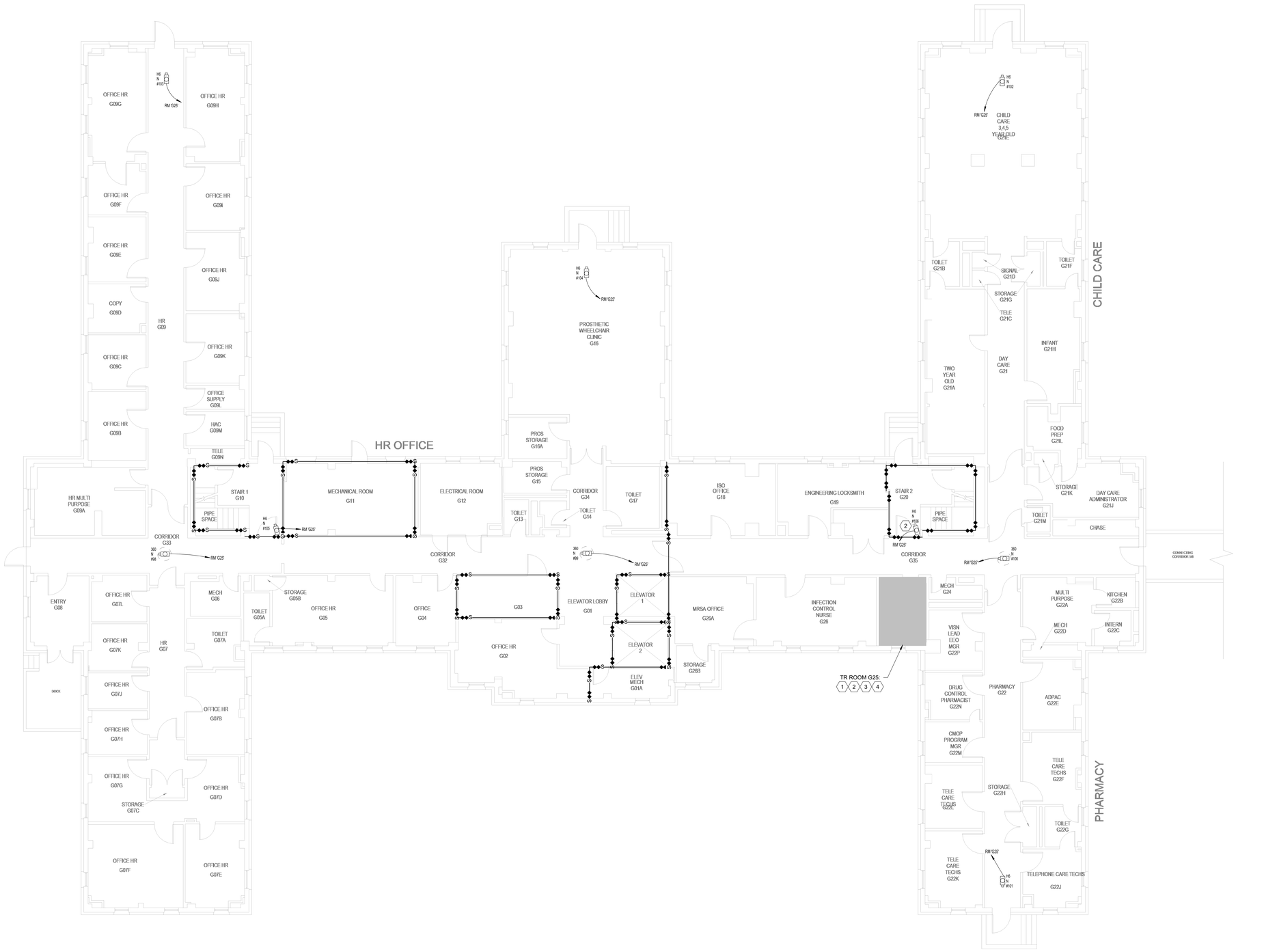
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: 5.T-101

Dwg 10 of 26

C:\Users\stamres\Documents\E-22-215\Y-VA York-Video Sec Improv-TN_stamres\CB\UMB.rvt
7/23/2024 4:22:04 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **BUILDING 6 GROUND FLOOR SECURITY PLAN**
Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

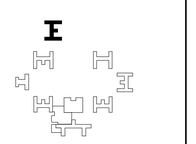
1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

3 PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.

4 ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN
SCALE: NO SCALE



FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSSETT
7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

APOGEE Engineers | Architects
Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420
© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: BULDING 6 GROUND FLOOR SECURITY PLAN
Project Title: VIDEO SURVEILLANCE SECURITY YORK
VA PROJECT NUMBER: 626A4-22-104
Building Number: # 6
Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129
Approved
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS
Drawing Number: 6.T-101
Dwg 11 of 26

C:\Users\stamet\Documents\E-22-215Y-VA York-Video Sec Improv-TN_stametCBUMB.rvt
7/23/2024 4:22:06 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44

1 **BUILDING 7 GROUND FLOOR SECURITY PLAN**
Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

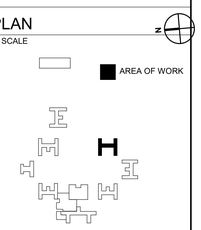
KEY NOTES:

1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

3 ROUTE UTP CABLING UP TO TELECOM ROOM ABOVE.

KEY PLAN
SCALE: NO SCALE



FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 250762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER DARRELL R. GOODELL
7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

APOGEE Engineers | Architects
© COPYRIGHT Apogee Consulting Group, P.A.

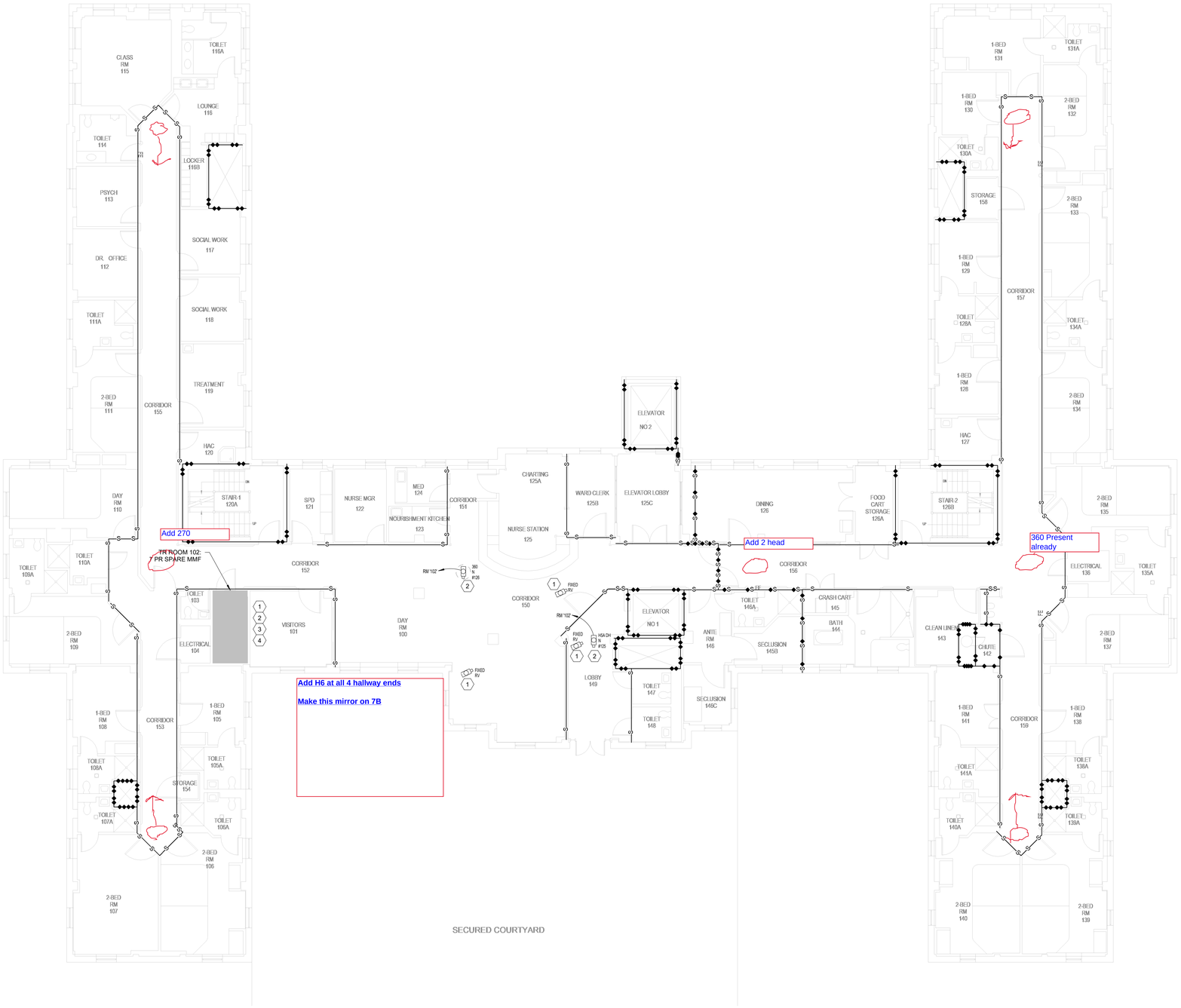
Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: BULDING 7 GROUND FLOOR SECURITY PLAN
Project Title: VIDEO SURVEILLANCE SECURITY YORK
VA PROJECT NUMBER: 626A4-22-104
Building Number: # 7
Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129
Approved:
Date: JUNE 13, 2024
Checked: JVE
Drawn: LAS
Drawing Number: 7.T-101
Dwg 12 of 26

C:\Users\lstarnes\Documents\E-22-215Y-VA York-Video Sec Improv-TN_lstarnesCBUMB.rvt
7/23/2024 4:22:09 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **BUILDING 7 FIRST FLOOR SECURITY PLAN**

Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

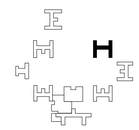
3 PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.

4 ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK



FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 290762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSSETT 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BULDING 7 FIRST FLOOR SECURITY PLAN

Location: ALVIN C. YORK CAMPUS 3400 LEBANON ROAD MURFREESBORO, TN 37129

Project Title: VIDEO SURVEILLANCE SECURITY YORK

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

VA PROJECT NUMBER 626A4-22-104

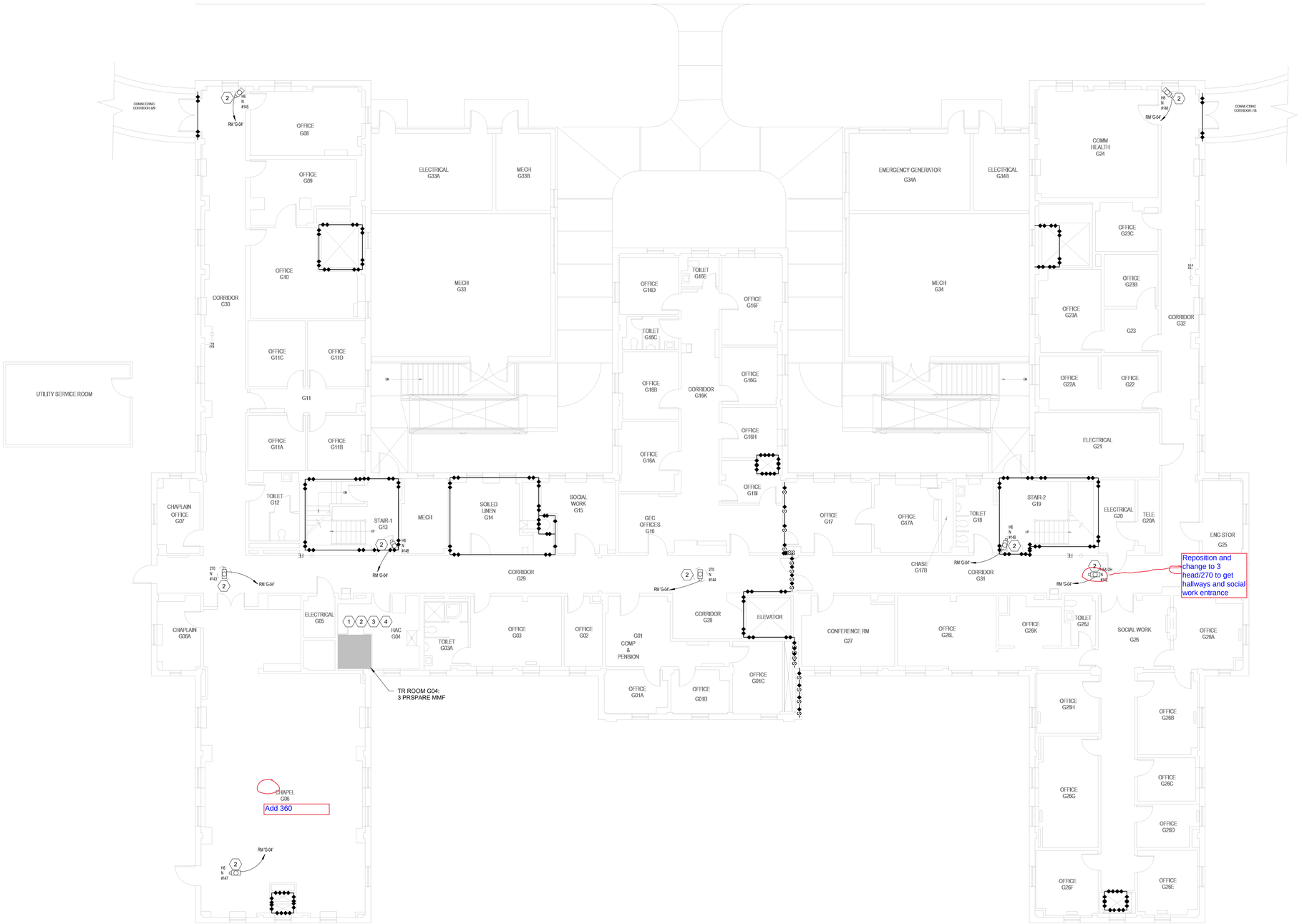
Building Number # 7

Drawing Number 7.T-102

Dwg 13 of 26

C:\Users\stamres\Documents\E-22-215Y-VA York-Video Sec Improv-TN_jstamres2BUMB.rvt
7/23/2024 4:22:16 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 BUILDING 8 GROUND FLOOR SECURITY PLAN

Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

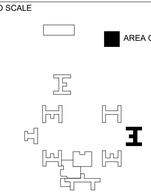
3 PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.

4 ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK



FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 290762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOODSTEIN 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 8 GROUND FLOOR SECURITY PLAN

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Project Title: VIDEO SURVEILLANCE SECURITY YORK

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

VA PROJECT NUMBER: 626A4-22-104

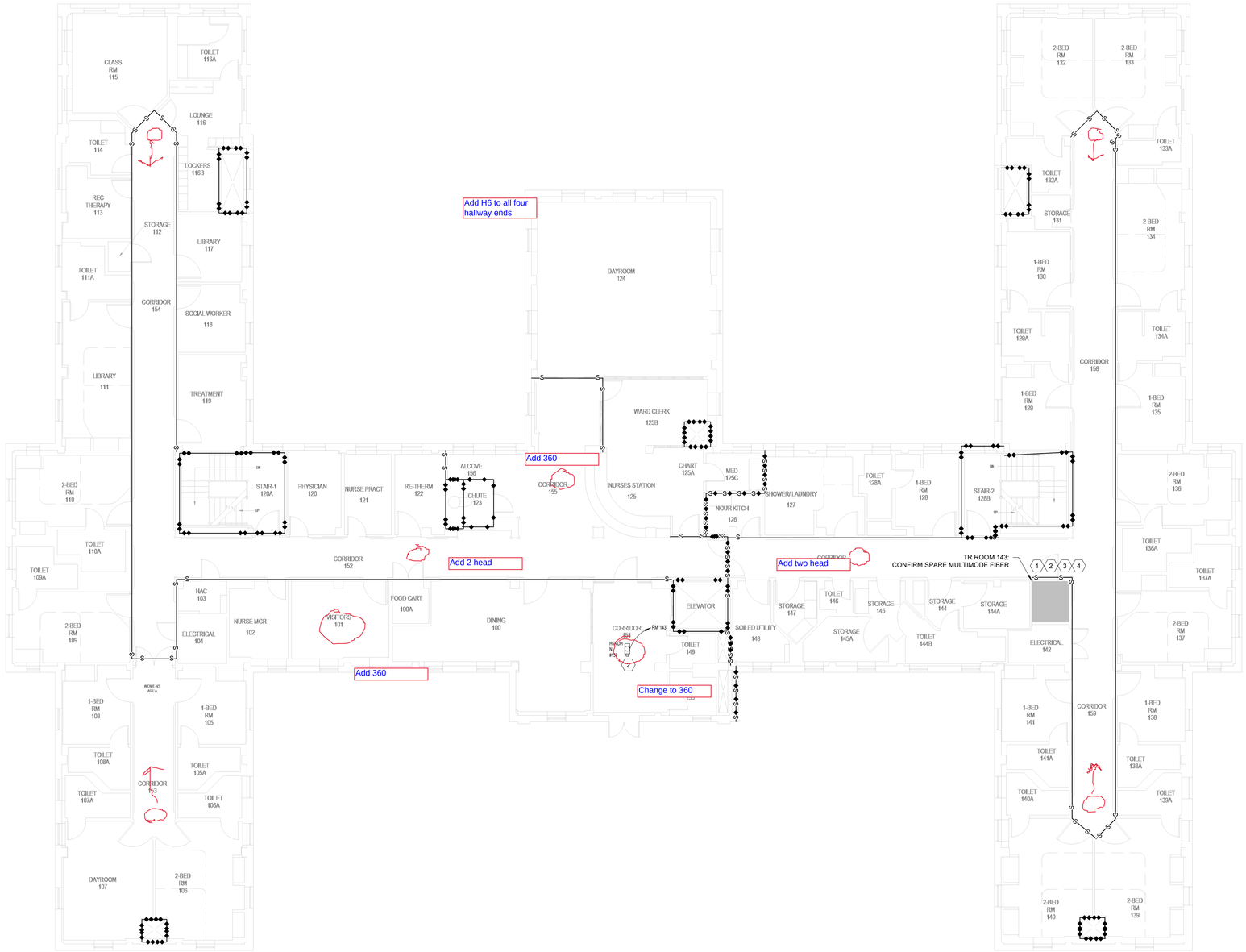
Building Number: # 8

Drawing Number: 8.T-101

Dwg 14 of 26

C:\Users\ldarnell\Documents\E-22-215\York-Video Sec Improv-TN_ldarnell2BUMB.rvt
7/23/2024 4:22:18 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **BUILDING 8 FIRST FLOOR SECURITY PLAN**
Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

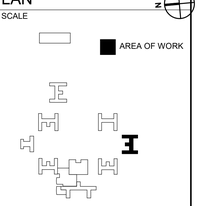
1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

3 PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.

4 ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN
SCALE: NO SCALE



FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT B. GOODSELL 7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

APOGEE Engineers | Architects
© COPYRIGHT Apogee Consulting Group, P.A.

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 8 FIRST FLOOR SECURITY PLAN

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: # 8

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Approved

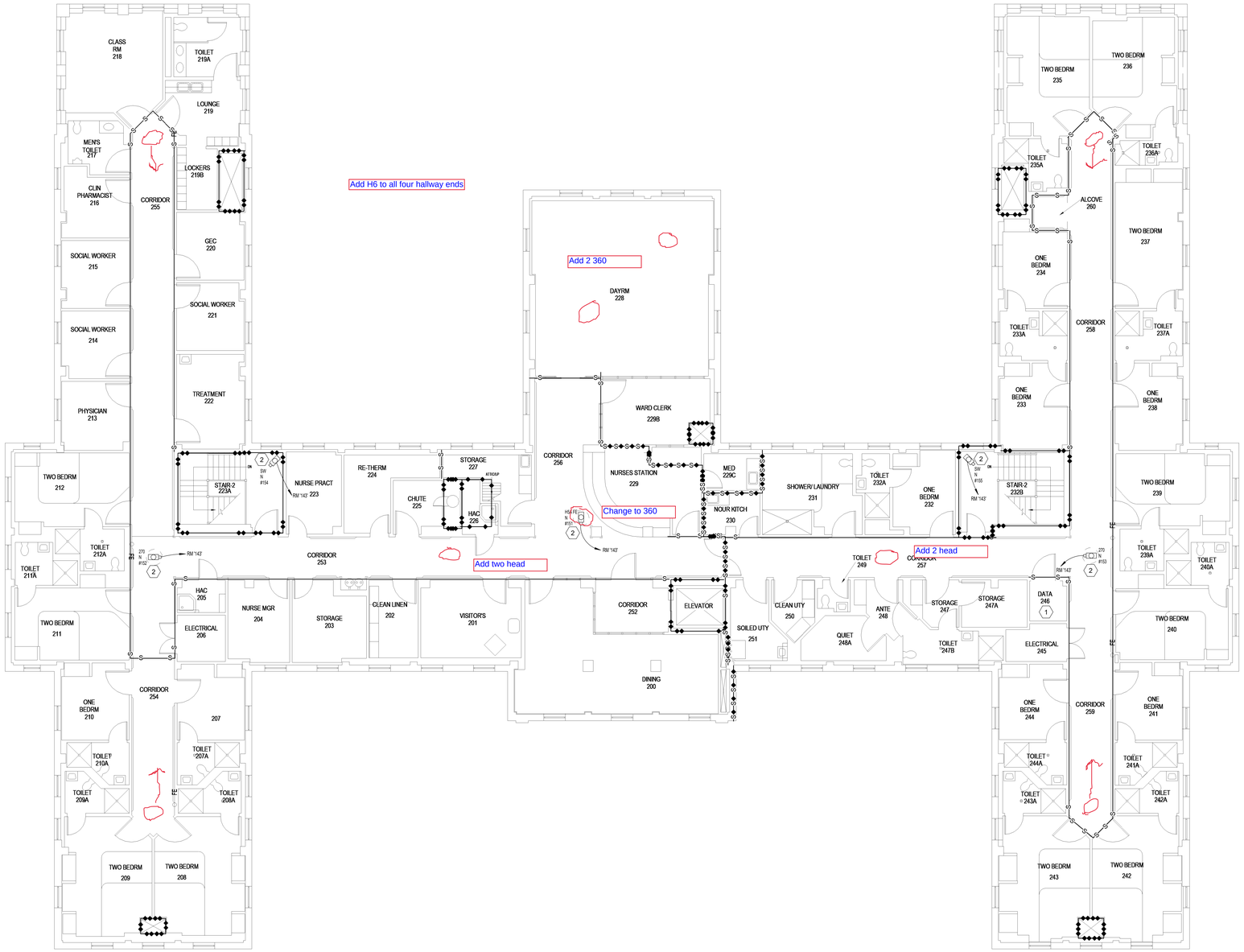
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: 8.T-102

Dwg 15 of 26

C:\Users\lstarnes\Documents\E-22-215Y-VA York-Video Sec Improv-TN_lstarnesCBUMB.rvt
7/23/2024 4:22:25 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **BUILDING 8 SECOND FLOOR SECURITY PLAN**
Scale: 1/8" = 1'-0"

0 4 8 16 NORTH

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. EC TO ELECTRICAL CONTRACTOR TO SIZE CONDUIT PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

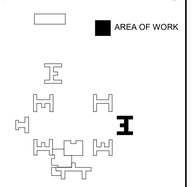
G. SEE SHEET G-100 FOR ICRA MEASURES. ↓ THIS SHEET ARE SHOWN IN HALF TOWN. NEW
H. USE MOBILE CONTAINMENT CART (6/G-100) ↓Y. ALONG CORRIDORS.

KEY NOTES:

1 ROUTE UTP CABLING DOWN TO TELECOM ROOM.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

KEY PLAN
SCALE: NO SCALE



FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 250762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER DARREL R. GOODETT
7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511

www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 8 SECOND FLOOR SECURITY PLAN

Location: ALVIN C. YORK CAMPUS
3400 LEBANON ROAD
MURFREESBORO, TN 37129

Project Title: VIDEO SURVEILLANCE SECURITY YORK

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

VA PROJECT NUMBER 626A4-22-104

Building Number # 8

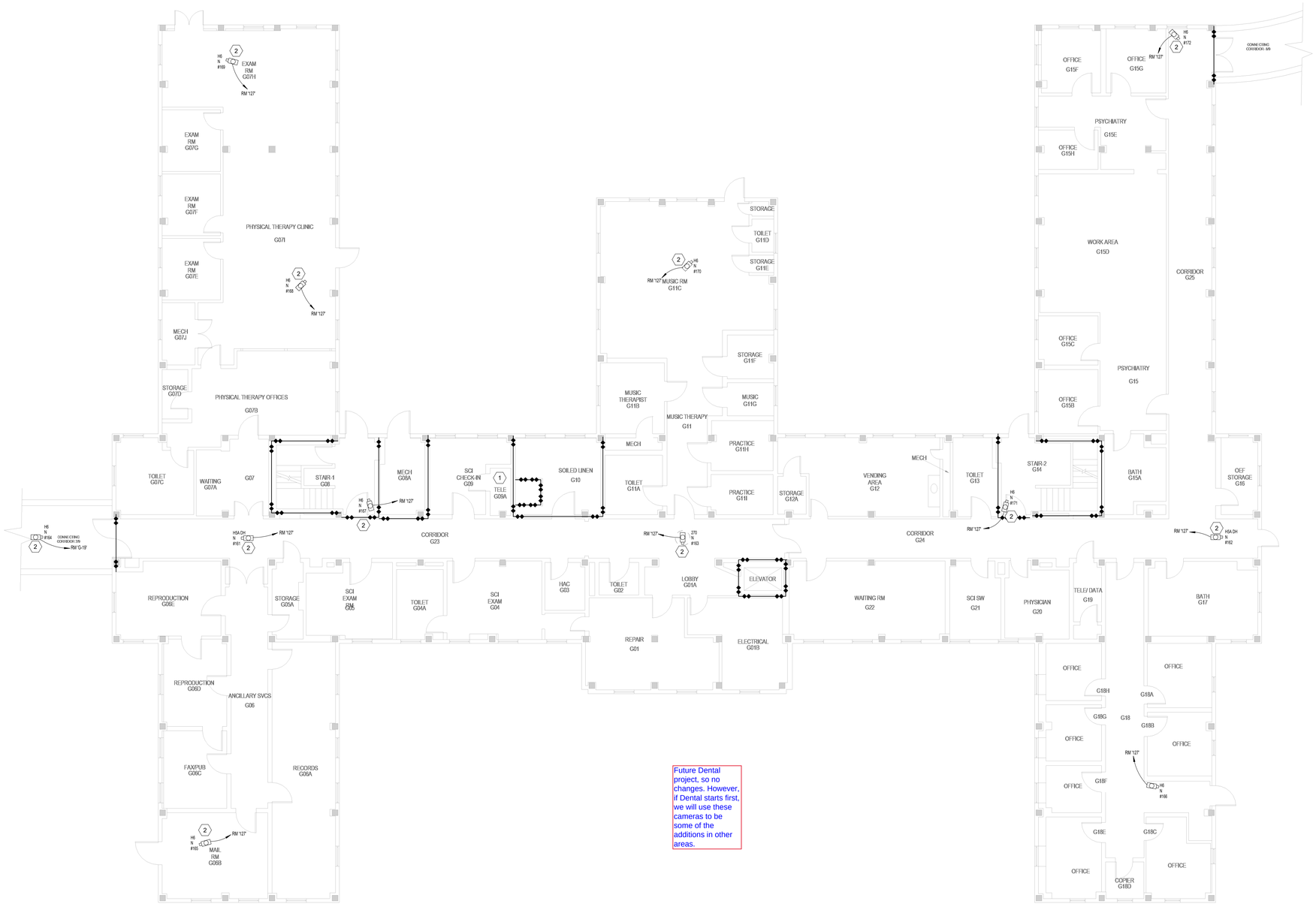
Drawing Number 8.T-103

Dwg 16 of 26

7/23/2024 4:22:32 PM C:\Users\starnes\Documents\E-22-215Y-VA York-Video Sec Improv-TN_lstarnesCBUMB.rvt

VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44


EXAM RM G07H
PHYSICAL THERAPY CLINIC G07I
EXAM RM G07G
EXAM RM G07F
EXAM RM G07E
MECH G07J
STORAGE G07D
PHYSICAL THERAPY OFFICES G07B
TOILET G07C
WAITING G07A
G07
STAIR-1 G08
MECH G09A
SCI CHECK-IN G09
TELE G09A
SOILED LINEN G10
CORRIDOR G23
CONNECTING CORRIDOR 3/9
MUSIC RM G11C
STORAGE
TOILET G11D
STORAGE G11E
STORAGE G11F
MUSIC G11G
MUSIC THERAPIST G11B
MUSIC THERAPY G11
MECH
TOILET G11A
PRACTICE G11H
PRACTICE G11I
STORAGE G12A
VENDING AREA G12
MECH
TOILET G13
STAIR-2 G14
BATH G15A
OEF STORAGE G16
CORRIDOR G24
REPRODUCTION G08E
STORAGE G25A
SCI EXAM RM G05
TOILET G04A
SCI EXAM G04
HAC G03
TOILET G02
LOBBY G01A
ELEVATOR
WAITING RM G22
SCI SW G21
PHYSICIAN G20
TELE/ DATA G19
BATH G17
REPAIR G01
ELECTRICAL G01B
REPRODUCTION G08D
ANCILLARY SVCS G06
FAX/PUB G08C
RECORDS G08A
MAIL RM. G08B
OFFICE G15F
OFFICE G15G
CONNECTING CORRIDOR 8/9
PSYCHIATRY G15E
OFFICE G15H
WORK AREA G15D
CORRIDOR G25
OFFICE G15C
PSYCHIATRY G15
OFFICE G15B
OFFICE
G18H
G18A
G18G
G18
G18B
G18F
G18E
G18C
COPIER G18D
RM 127
RM 127A
RM 127B
RM 127C
RM 127D
RM 127E
RM 127F
RM 127G
RM 127H
RM 127I
RM 127J
RM 127B
RM 127C-19
RM 127D
RM 127E
RM 127F
RM 127G
RM 127H
RM 127I
RM 127J
RM 127B
RM 127C

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44

1 **BUILDING 9 FIRST FLOOR SECURITY PLAN**
Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

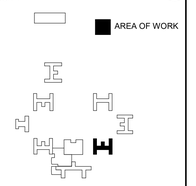
1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

3 PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.

4 ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN
SCALE: NO SCALE



FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER CARRETT R. GOSSETT
7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

APOGEE Engineers | Architects
© COPYRIGHT Apogee Consulting Group, P.A.

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 9 FIRST FLOOR SECURITY PLAN

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: # 9

Location: ALVIN C. YORK CAMPUS
3400 LEBANON ROAD
MURFREESBORO, TN 37129

Approved

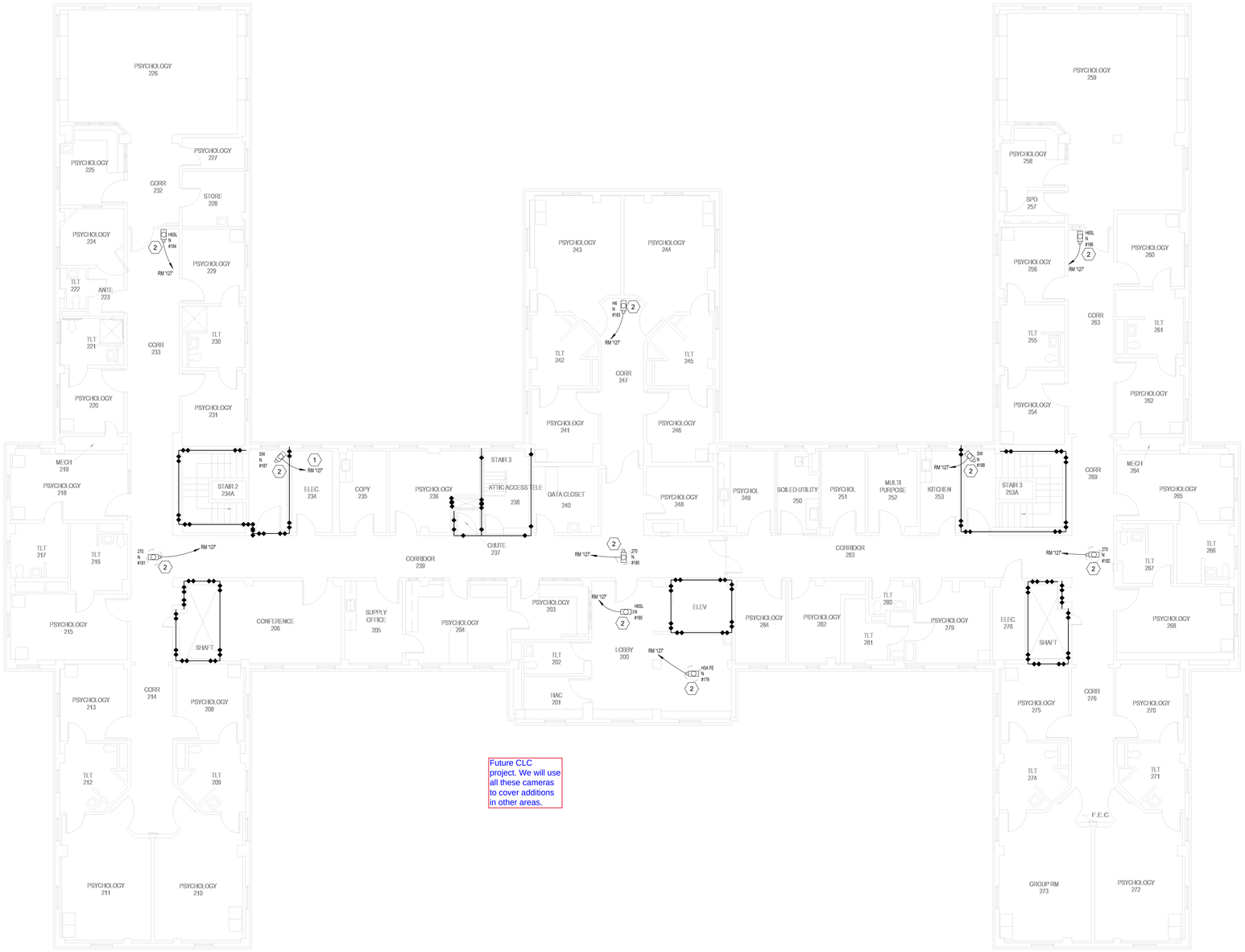
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: 9.T-102

Dwg 18 of 26

C:\Users\lastamet\Documents\E-22-215Y-VA York-Video Sec Improv-TN_lastamet@BUMB.rvt
7/23/2024 4:22:40 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 BUILDING 9 SECOND FLOOR SECURITY PLAN

Scale: 1/8" = 1'-0"

0 4 8 16

NORTH

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1 ROUTE UTP CABLING DOWN TO TELECOM ROOM.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK

FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSSETT 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 9 SECOND FLOOR SECURITY PLAN

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: # 9

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: 9.T-103

Dwg 19 of 26

C:\Users\stamet\Documents\E-22-215Y-VA York-Video Sec Improv-TN_stametCBUMB.rvt
7/23/2024 4:22:47 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44

SHEET NOTES:

A. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

B. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

C. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

D. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

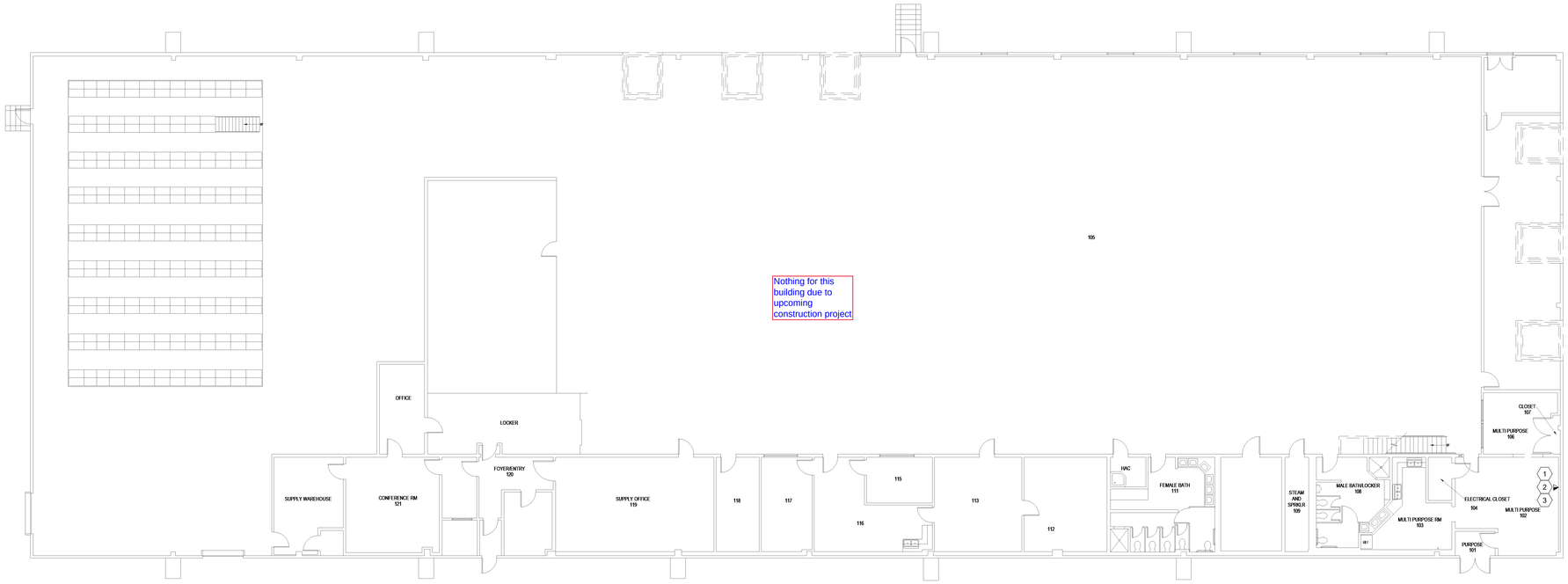
E. SEE SHEET G-100 FOR ICRA MEASURES.

KEY NOTES:

1 NEW CAT 6A COPPER CABLE TO OWNER PROVIDED SWITCH LOCATED IN IT ROOM. COORDINATE WITH OIT AND COR.

2 PROVIDE NEW TELECOMMUNICATIONS OUTLET IN POLICE DISPATCH TO SERVE NEW MONITOR WORKSTATION - PC, KEYBOARD, MOUSE INCLUDED. COORDINATE WITH COR AND POLICE FOR PC LOCATION. REFERENCE SHEET T-001 FOR SPECIFICATIONS CONCERNING THE PC BASIS OF DESIGN.

3 NEW TV'S AND MONITORS LOCATED ON WALL. COORDINATE WITH OIT AND COR.



1 BUILDING 112 GROUND FLOOR SECURITY PLAN
Scale: 3/32" = 1'-0"

0 4 8 16 NORTH

KEY PLAN
SCALE: NO SCALE
AREA OF WORK

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 290762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSSETT 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 112 GROUND FLOOR SECURITY PLAN

Location: ALVIN C. YORK CAMPUS 3400 LEBANON ROAD MURFREESBORO, TN 37129

Project Title: VIDEO SURVEILLANCE SECURITY YORK

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

VA PROJECT NUMBER 626A4-22-104

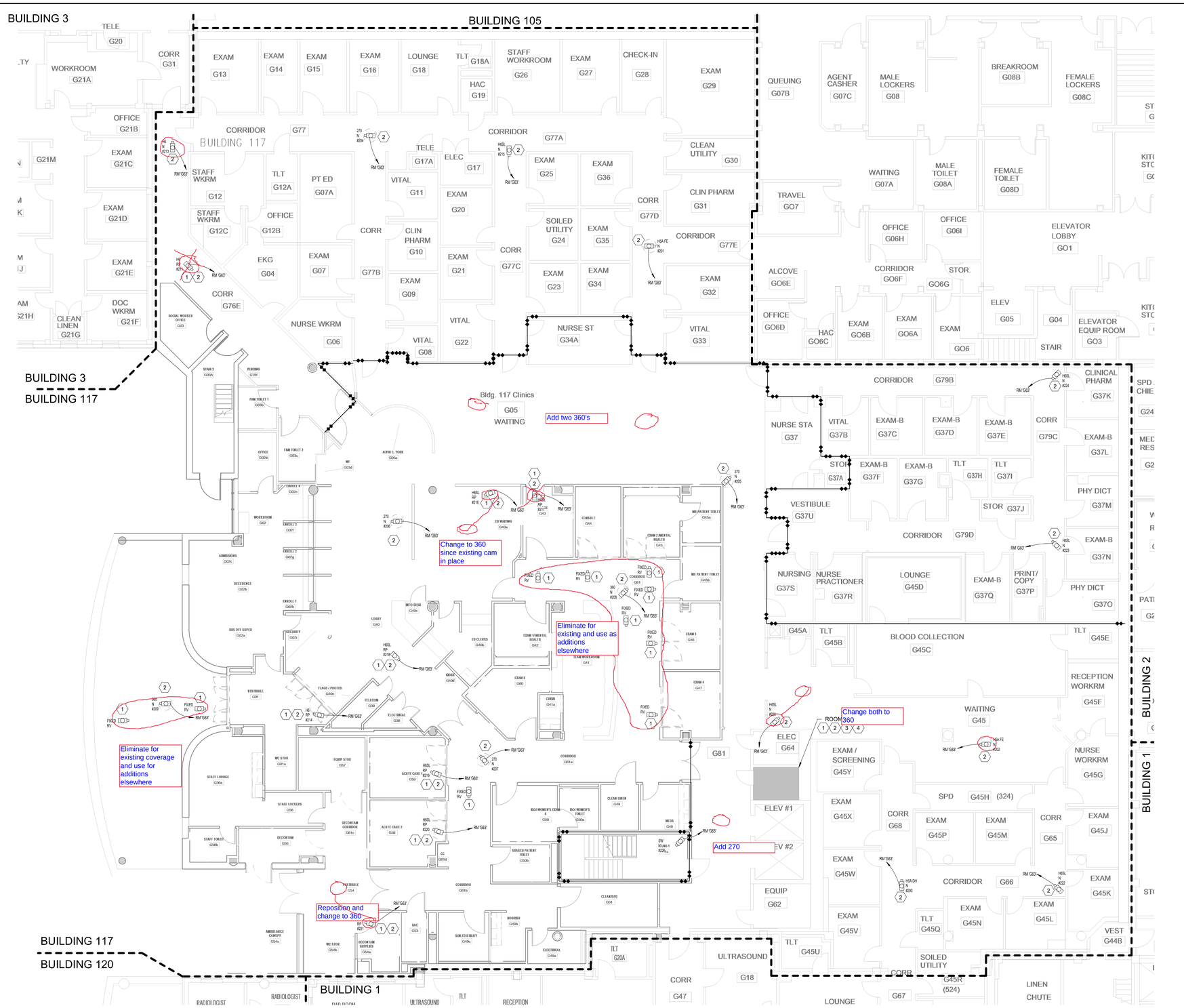
Building Number # 112

Drawing Number 112.T-101

Dwg 20 of 26

C:\Users\lstarnes\Documents\E-22-215\VA York-Video Sec Improv-TN_lstarnesCBUMB.rvt
7/23/2024 4:22:49 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 BUILDING 117 GROUND FLOOR SECURITY PLAN
Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1 REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE. REPAIR/REPLACE EXISTING SURFACES AFFECTED BY REMOVAL OF CAMERA EQUIPMENT TO MATCH SIMILAR EXISTING CONDITIONS.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

3 PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.

4 ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.

KEY PLAN
SCALE: NO SCALE
AREA OF WORK

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 290762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GABRIEL T. R. GOSSETT 7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

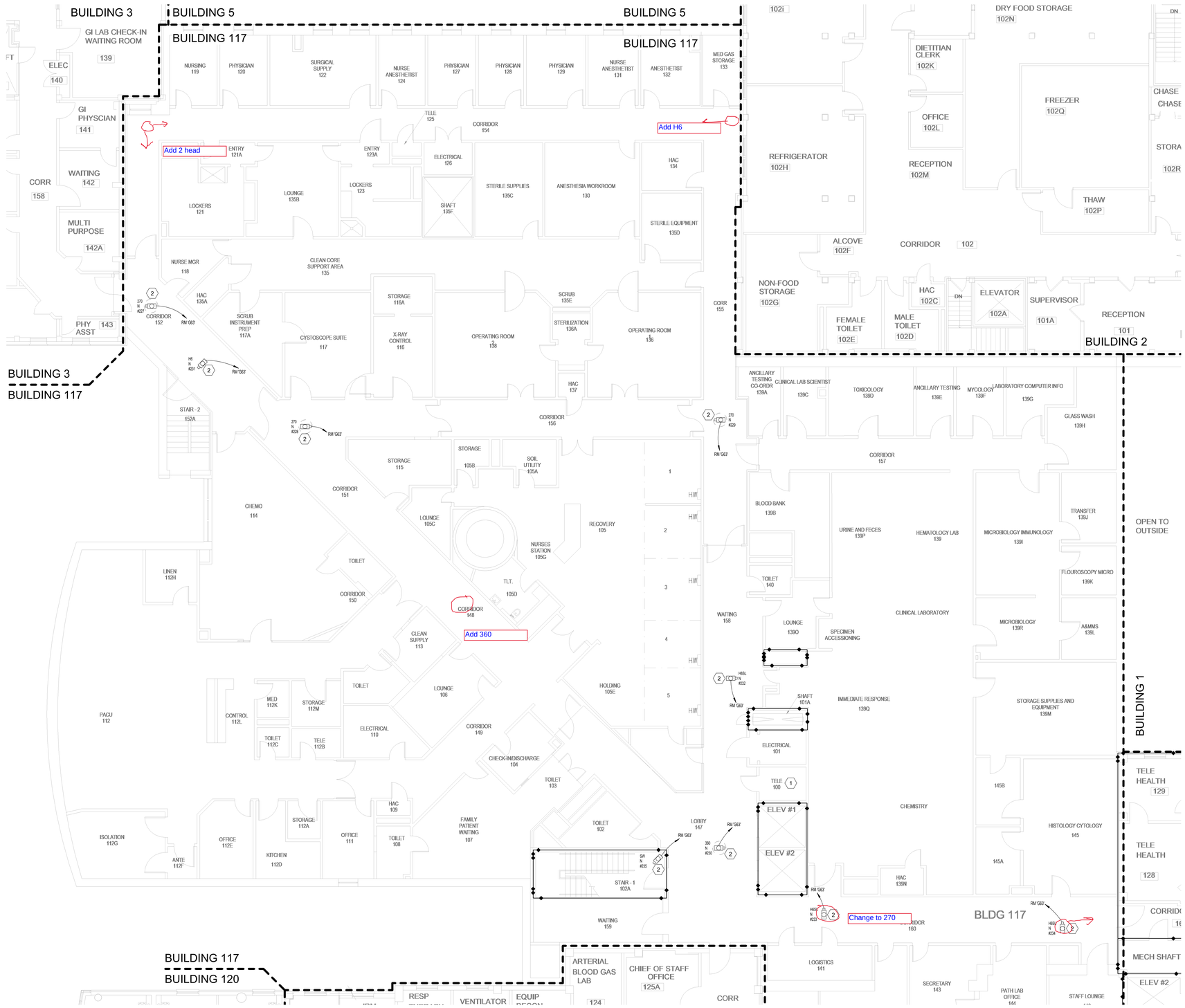
APOGEE Engineers | Architects
Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420
© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 117 GROUND FLOOR SECURITY PLAN
Project Title: VIDEO SURVEILLANCE SECURITY YORK
VA PROJECT NUMBER: 626A4-22-104
Building Number: # 117
Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129
Approved:
Date: JUNE 13, 2024
Checked: JVE
Drawn: LAS
Drawing Number: 117.T-101
Dwg 21 of 26

C:\Users\stamres\Documents\E-22-215\Y-VA York-Video Sec Improv-TN_stamres\CB\UMB.rvt
7/23/2024 4:22:55 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 **BUILDING 117 FIRST FLOOR SECURITY PLAN**
Scale: 1/8" = 1'-0"

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

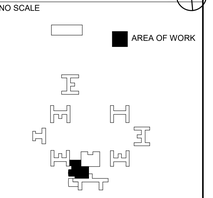
H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1 ROUTE UTP CABLING DOWN TO TELECOM ROOM.

2 INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM. REPAIR/ REPLACE SURFACES AFFECTED BY CAMERA EQUIPMENT INSTALLATION TO MATCH SIMILAR/EXISTING CONDITIONS. CONTRACTOR TO REPLACE DAMAGED CEILING TILE AND GRID ASSOCIATED WITH WORK AT NO ADDITIONAL COST TO GOVERNMENT.

KEY PLAN
SCALE: NO SCALE



FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 250762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSSETT 7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

APOGEE Engineers | Architects
© COPYRIGHT Apogee Consulting Group, P.A.

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 117 FIRST FLOOR SECURITY PLAN

Location: ALVIN C. YORK CAMPUS
3400 LEBANON ROAD
MURFREESBORO, TN 37129

Project Title: VIDEO SURVEILLANCE SECURITY YORK

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

VA PROJECT NUMBER: 626A4-22-104

Building Number: # 117

Drawing Number: 117.T-102

Dwg 22 of 26

C:\Users\lstamer\Documents\E-22-215-VA York-Video Sec Improv-TN_lstamerCBUMB.rvt
7/23/2024 4:22:57 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44

SHEET NOTES:

A. REFERENCE SHEET TS101 AND TS102 FOR EXTERIOR CAMERA LOCATIONS.

B. ALL EXISTING CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF SURVEY.

C. NEW CCTV CABLING TO BE RUN ON J-HOOKS 2' OC ABOVE CEILING IN CORRIDORS.

D. ALL CONDUIT SHALL BE 3/4" MINIMUM. ELECTRICAL CONTRACTOR TO SIZE CONDUIT. PER THE MOST CURRENT EDITION OF THE NEC.

E. WHERE LENGTH FROM CAMERA TO RACK EQUIPMENT EXCEEDS 295' (90M) CONTRACTOR SHALL USE FIBER OPTIC CABLE.

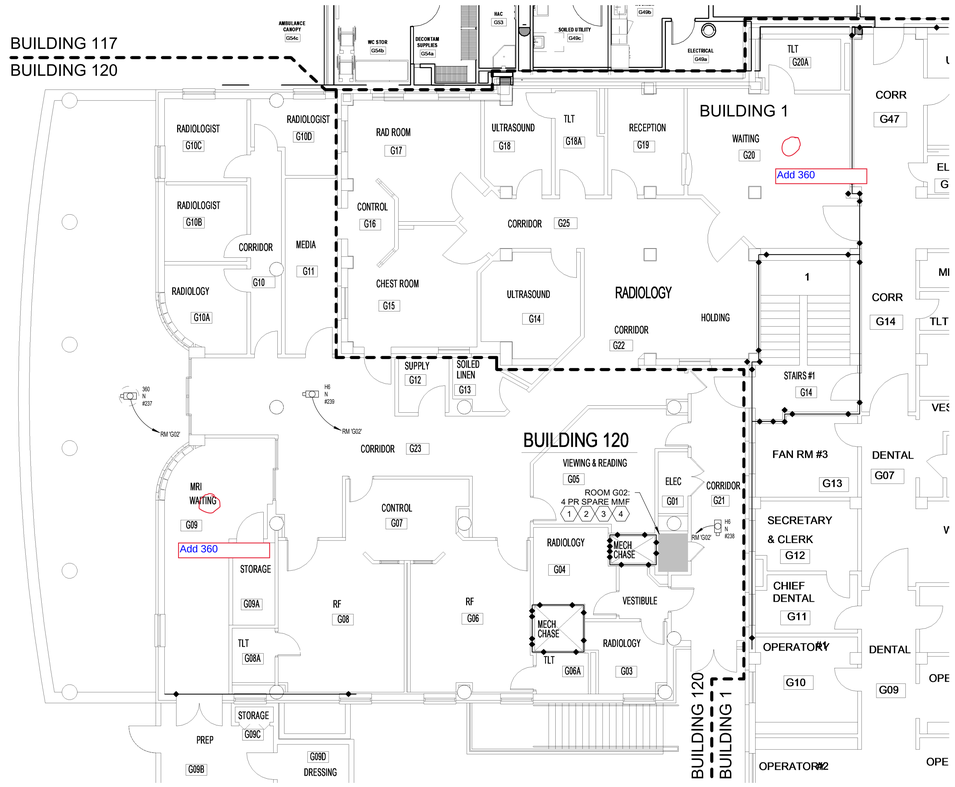
F. COORDINATE AND CONFIRM ALL ROUTING WITH COR PRIOR TO ROUGH-IN.

G. SEE SHEET G-100 FOR ICRA MEASURES.

H. USE MOBILE CONTAINMENT CART (6/G-100) ALONG CORRIDORS.

KEY NOTES:

1. REMOVE EXISTING CAMERAS AND CABLING BACK TO SOURCE.
2. INSTALL NEW CAMERAS. PROVIDE NEW 4 PR UTP CABLING FROM CAMERA TO NEW POE SWITCH IN TELECOM ROOM.
3. PROPOSED LOCATION OF NEW CISCO 9300 SWITCH AND PATCH PANEL. VERIFY LOCATION WITH COR AND OIT REPRESENTATIVE.
4. ROUTE MMF FROM TELECOM ROOM TO RACKS IN BUILDING 5 SERVER ROOM.



1 **BUILDING 120 GROUND FLOOR SECURITY PLAN**
Scale: 1/8" = 1'-0"

0 4 8 16

NORTH

KEY PLAN

SCALE: NO SCALE

AREA OF WORK

FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 250762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER CAMERON R. GOODRICH 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: BUILDING 120 SECURITY PLANS

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: # 120

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: 120.T-101

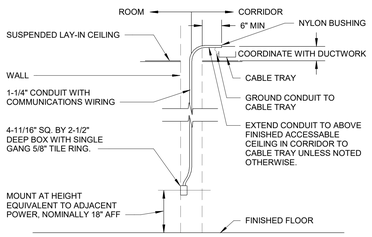
Dwg 23 of 26

C:\Users\lstarnes\Documents\E-22-215Y-VA York Video Sec Improv-TN_lstarnesCBUMB.rvt

7/23/2024 4:23:01 PM

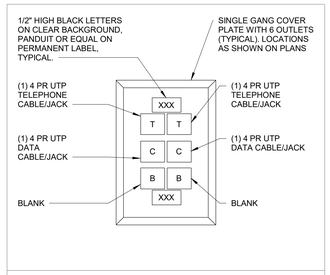
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



5 TELECOMMUNICATIONS OUTLET INSTALLATION DETAIL

Scale: No Scale



TELE/DATA (TYP.) (▼/4)

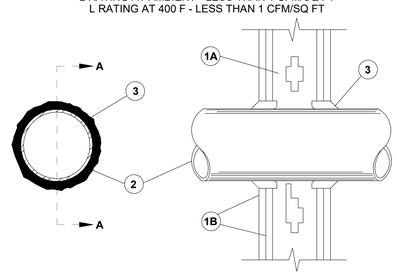
DETAIL NOTES:

A. ALL EQUIPMENT AND INSTALLATION SHALL BE APPROVED BY VAMC IT DEPARTMENT.

6 TELECOMMUNICATIONS FACEPLATES

Scale: No Scale

SYSTEM NO.W-L-1001
JUNE 15, 2005
F RATINGS - 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3)
T RATINGS - 0, 1, 2, 3, AND 4 HR (SEE ITEM 3)
L RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT
L RATING AT 400 F - LESS THAN 1 CFM/SQ FT



SECTION A-A

1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC WITH NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE BY 1-3/8 IN. (35 MM) DEEP CHANNELS SPACED MAX 24 IN. (610 MM) OC.
B. GYPSUM BOARD* - NOM 1/2 OR 5/8 IN. (13 OR 16 MM) THICK, 4 FT. (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 26 IN. (660 MM).

2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM) (POINT CONTACT) TO MAX 2 IN. (51 MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
A. STEEL PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE - NOM 24 IN. (610 MM) DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE. NOM 12 IN. (305 MM) DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
C. CONDUIT - NOM 6 IN. (152 MM) DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING
D. COPPER TUBING - NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING
E. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
F. THROUGH PENETRATING PRODUCT* - FLEXIBLE METAL PIPING - THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:

1. NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

OMEGA FLEX INC

2. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

TITEFLEX CORP
A BUNDY CO

3. NOM 1 IN. (25 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

WARD MFG INC

3. FILL,VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN 5/8. 1-1/4,1-7/8 AND 2-1/2 IN. (16, 32, 48 AND 64 MM) THICKNESS OF CAULK FOR 1, 2, 3 AND 4 HR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDES OF WALL.
THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE.
THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX PIPE OR CONDUIT DIAM IN. (mm)	F RATING HR	T RATING HR
1 (25)	1 OR 2	0+, 1 OR 2
1 (25)	3 OR 4	3 OR 4
4 (102)	1 OR 2	0
6 (152)	3 OR 4	0
12 (305)	1 OR 2	0

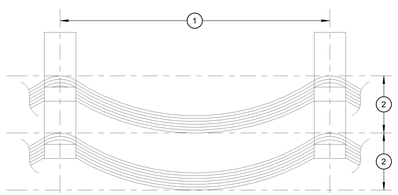
+WHEN COPPER PIPE IS USED, T RATING IS 0 HR.

3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT,

*BEARING THE UL CLASSIFICATION MARKING

3 UL PENETRATION DETAIL W-L-1001

Scale: No Scale



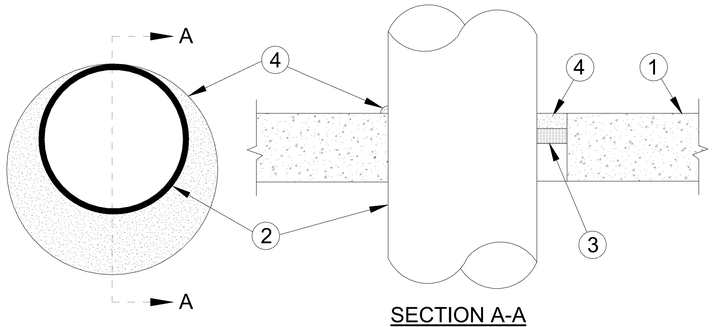
NOTES:

1. J-HOOKS TO BE LOCATED MAX 5' APART.
2. 1" MAX.

4 J-HOOK DETAIL

Scale: No Scale

System No. C-AJ-1001
June 15, 2005
F Rating - 3 Hr
T Rating - 0 Hr
W Rating - Class I (See Item 4)



SECTION A-A

1. FLOOR OR WALL ASSEMBLY - MIN 4-1/2 IN. (114 MM) THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED **CONCRETE BLOCKS***. MAX DIAM OF CIRCULAR THROUGH OPENING IS 32-1/2 IN. (826 MM).

SEE **CONCRETE BLOCKS** (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

1A. STEEL SLEEVE (OPTIONAL, NOT SHOWN) - NOM 12 IN. (305 MM) DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE SLEEVE CAST INTO CONCRETE FLOOR OR WALL. SLEEVE TO BE FLUSH WITH OR PROJECT MAX 2 IN. (51MM) FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL.

2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (0 MM)(POINT CONTACT) TO MAX 1-3/8 IN. (35 MM). PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE - NOM 30 IN. (762 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
A1. IRON PIPE - NOM 30 IN. (762 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
B. CONDUIT - NOM 6 IN. (152 MM) DIAM (OR SMALLER) RIGID STEEL CONDUIT.
C. CONDUIT - NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

3. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOM 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED CERAMIC (ALUMINA SILICA) FIBER BLANKET, MINERAL WOOL BATT OR GLASS FIBER INSULATION MATERIAL USED AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF SOLID CONCRETE OR CONCRETE BLOCK WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4). AS AN ALTERNATE WHEN MAX PIPE SIZE IS 10 IN. (254 MM) DIAM AND WHEN MAX ANNULAR SPACE IS 1 IN. (25 MM), A MIN 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED CERAMIC FIBER BLANKET OR MINERAL WOOL BATT PACKING MATERIAL MAY BE RECESSED MIN 1/2 IN. (13 MM) FROM BOTTOM SURFACE OF FLOOR OR FROM EITHER SIDE OF SOLID CONCRETE WALL.

4. FILL,VOID OR CAVITY MATERIALS* - CAULK OR SEALANT - APPLIED TO FILL THE ANNULAR SPACE TO THE MIN THICKNESS SHOWN IN THE FOLLOWING TABLE:

MAX PIPE DIAM IN. (MM)	MAX ANNULAR SPACE IN. (MM)	PACKING MATL TYPE (a)	MIN. CAULK THKNS IN. (MM)
10 (254)	1 (25)	BR, CF, GF OR MW	1/2 (13) (b)
10 (254)	1 (25)	CF OR MW	1/2 (13) (c)
30 (762)	2-1/2 (64)	BR, CF, GF OR MW	1 (25) (b)

(A) BR = POLYETHYLENE BACKER ROD.
CF = CERAMIC FIBER BLANKET.
GF = GLASS FIBER INSULATION.
MW = MINERAL-WOOL BATT.
(B) CAULK INSTALLED FLUSH WITH TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.
(C) CAULK INSTALLED FLUSH WITH BOTTOM SURFACE OF FLOOR OR ONE SURFACE OF SOLID (NON- CONCRETE BLOCK) WALL.

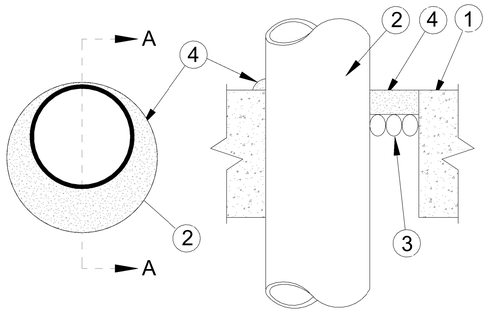
3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT.
(NOTE: W RATING APPLIES ONLY WHEN FB-3000 WT SEALANT IS USED.)

*BEARING THE UL CLASSIFICATION MARKING

1 UL PENETRATION DETAIL C-AJ-1001

Scale: No Scale

System No. C-AJ-1044
June 15, 2005
F Ratings - 2, 3, and 4 Hr (See Items 2A and 4)
T Rating - 0 Hr
L Rating At Ambient - 2 CFM/sq ft
L Rating At 400 F - less than 1 CFM/sq ft
W Rating - Class I (See Item 4)



SECTION A-A

1. FLOOR OR WALL ASSEMBLY - LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. EXCEPT AS NOTED IN TABLE UNDER ITEM 4, MIN THICKNESS OF SOLID CONCRETE FLOOR OR WALL ASSEMBLY IS 4-1/2 IN. (114 MM). FLOOR MAY ALSO BE CONSTRUCTED OF ANY MIN 6 IN. (152 MM) THICK UL CLASSIFIED HOLLOW CORE **PRECAST CONCRETE UNITS***. WHEN FLOOR IS CONSTRUCTED OF HOLLOW CORE PRECAST CONCRETE UNITS, PACKING MATERIAL (ITEM 3) AND CAULK FILL MATERIAL (ITEM 4) TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF FLOOR, FLUSH WITH FLOOR SURFACE. WALL ASSEMBLY MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED **CONCRETE BLOCKS***. MAX DIAM OF OPENING IS IN SOLID LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE. FLOOR IS 32 IN. (813 MM). MAX DIAM OF OPENING IN FLOOR CONSTRUCTED OF HOLLOW-CORE PRECAST CONCRETE UNITS IS 7 IN. (178 MM).

SEE **CONCRETE BLOCKS** (CAZT) AND **PRECAST CONCRETE UNITS** (CFTV) CATEGORIES IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

1A. STEEL SLEEVE (OPTIONAL, NOT SHOWN) - MAX 15 IN. (381 MM) ID (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY. SLEEVE MAY EXTEND A MAX OF 2 IN. (51 MM) ABOVE TOP OF FLOOR OR BEYOND EITHER SURFACE OF WALL. MAX 16 IN. (406 MM) ID (OR SMALLER) MIN 0.028 (0.71 MM) WALL THICKNESS (OR HEAVIER) GALVANIZED STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY. SLEEVE MAY EXTEND A MAX OF 1/2 IN. (13 MM) BEYOND EITHER SURFACE OF FLOOR OR WALL.

2. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. MAX ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND EDGE OF THROUGH OPENING OR SLEEVE IS DEPENDENT ON THE PARAMETERS SHOWN IN ITEM 4. MIN ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF THROUGH OPENING IS 0 IN. (0 MM) (POINT CONTACT). PIPE CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE - NOM 30 IN. (762 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE - NOM 30 IN. (762 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. CONDUIT - NOM 6 IN. (152 MM) DIAM (OR SMALLER) RIGID STEEL CONDUIT.
D. CONDUIT - NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
E. COPPER - TUBING NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE.
F. COPPER PIPE - NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. PACKING MATERIAL - POLYETHYLENE BACKER ROD OR NOM 1 IN. (25 MM) THICKNESS OF TIGHTLY-PACKED MINERAL WOOL BATT OR GLASS FIBER INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF CAULK FILL MATERIAL (ITEM 4).

4. FILL,VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - APPLIED TO FILL THE ANNULAR SPACE FLUSH WITH TOP SURFACE OF FLOOR. IN WALL ASSEMBLIES, REQUIRED CAULK THICKNESS TO BE INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL, FLUSH WITH WALL SURFACE. AT POINT CONTACT LOCATION BETWEEN PENETRANT AND SLEEVE OR BETWEEN PENETRANT AND CONCRETE, A MIN 1/4 IN. (6 MM) DIAM BEAD OF CAULK SHALL BE APPLIED AT TOP SURFACE OF FLOOR AND AT BOTH SURFACES OF WALL. THE HOURLY F RATINGS AND THE MIN REQUIRED CAULK THICKNESSES ARE DEPENDENT UPON A NUMBER OF PARAMETERS, AS SHOWN IN THE FOLLOWING TABLE:

MIN FLOOR OR WALL THKNS IN. (MM)	NOM PIPE TUBE OR CONDUIT DIAM IN. (MM)	MAX ANNULAR SPACE IN. (MM)	MIN. CAULK THKNS IN. (MM)	F RATING HR
2-1/2 (64)	1/2-12 (13-305)	1-3/8 (35)	1/2 (13)	2
2-1/2 (64)	1/2-12 (13-305)	3-1/4 (83)	1 (25)	2
4-1/2 (114)	1/2-6 (13-152)	1-3/8 (35)	1/4 (6) (a)	2
4-1/2 (114)	1/2-12 (13-305)	1-1/4 (32)	1/2 (13)	3
4-1/2 (114)	1/2-20 (13-508)	2 (51)	1 (25)	3
4-1/2 (114)	1/2-20 (13-508)	2 (51)	1 (25)	3
4-1/2 (114)	1/2-12 (13-305)	3-1/4 (83)	1 (25)	3
4-1/2 (114)	22-30 (558-762)	2 (51)	2 (51)	3
5-1/2 (140)	1/2-6 (13-152)	1-3/8 (35)	1 (25) (b)	4

(A)MIN 2 IN. (51 MM) THICKNESS OF MINERAL WOOL BATT INSULATION REQUIRED IN ANNULAR SPACE.
(B)MIN 1 IN. (25 MM) THICKNESS OF MINERAL WOOL BATT INSULATION REQUIRED IN ANNULAR SPACE ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. MIN 1 IN. (25 MM) THICKNESS OF CAULK TO BE INSTALLED FLUSH WITH EACH SURFACE OF FLOOR OR WALL ASSEMBLY.

3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT. (NOTE: W RATING APPLIES ONLY WHEN FB-3000 WT SEALANT IS USED.)

*BEARING THE UL CLASSIFICATION MARKING

2 UL PENETRATION DETAIL C-AJ-1044

Scale: No Scale

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER Bicsi JAMES V EZEKIEL BICSI ID# 290762 EXPIRES 12-31-24 RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOSSETT 7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

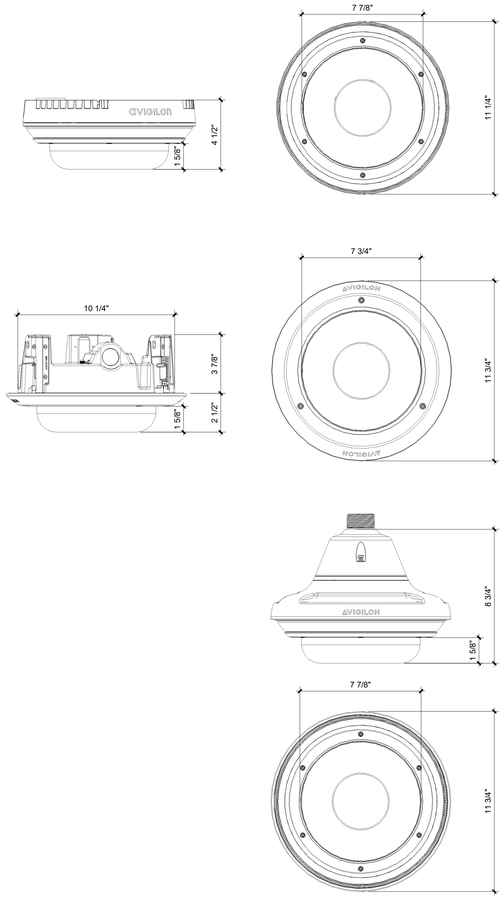
APOGEE Engineers | Architects
Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420
© COPYRIGHT Apogee Consulting Group, P.A.

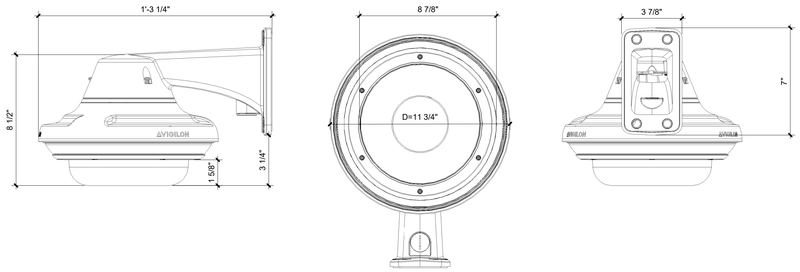
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY DETAILS
Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129
Project Title: VIDEO SURVEILLANCE SECURITY YORK
Approved
Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS
VA PROJECT NUMBER: 626A4-22-104
Building Number: #
Drawing Number: T-501
Dwg 24 of 26

C:\Users\lstarnes\Documents\E-22-215\VA York-Video Sec-Improv-TN_lstarnesCBUMB.rvt
7/23/2024 4:23:03 PM
VA FORM 08-6231

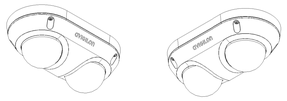
Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



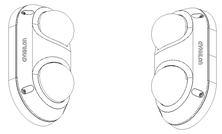


5 **CAMERA H5A MH - DIMENSIONS - BASIS OF DESIGN**
Scale: N.T.S.

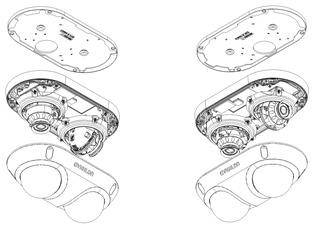
H5DH - Surface Mount - Ceiling



H5DH - Surfacel Mount - Wall



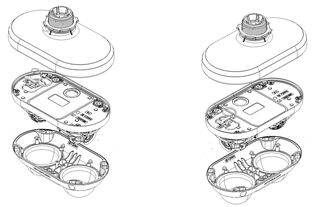
H5DH - Wall Mount - Exploded View



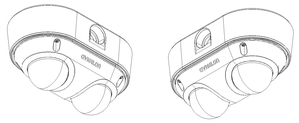
H5DH - NPT Mount - Top View

H5DH - NPT Mount - Bottom View

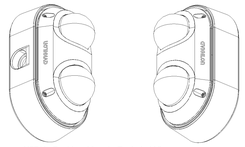
H5DH - NPT Mount - Exploded View



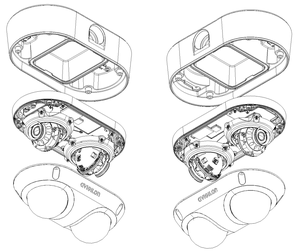
H5DH - Backbox Mount - Ceiling



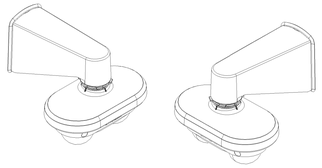
H5DH - Backbox Mount - Wall



H5DH - Backbox Mount - Exploded View

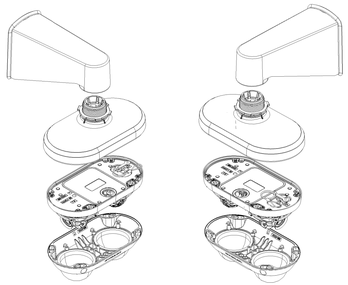


H5DH - Pendant Mount - Top View

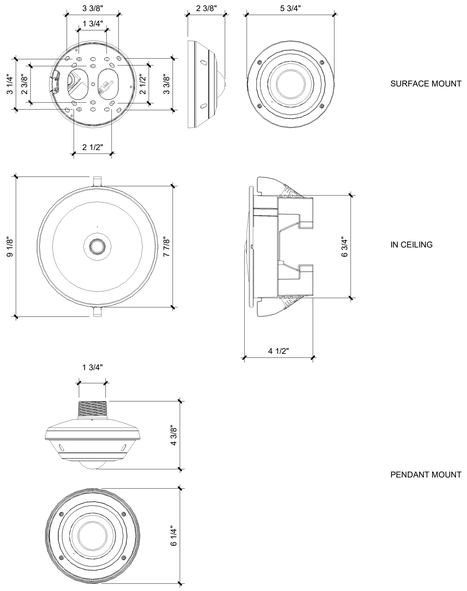


H5DH - Pendant Mount- Bottom View

H5DH - Pendant Mount- Exploded View

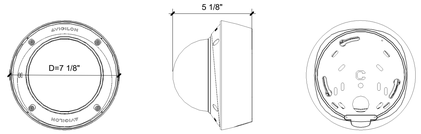


4 **CAMERA H5A MH - ISOMETRIC - BASIS OF DESIGN**
Scale: N.T.S.



1 **CAMERA H5A MH - DIMENSIONS - BASIS OF DESIGN**
Scale: N.T.S.

P13 DOME - OUTDOOR SURFACE MOUNT ADAPTER



H6A VARIANTS
2.0C-H6A-DO1
2.0C-H6A-DO2
2.0C-H6A-DO1-IR
2.0C-H6A-DO2-IR
4.0C-H6A-DO1
4.0C-H6A-DO2
4.0C-H6A-DO1-IR
4.0C-H6A-DO2-IR
4.0C-H6A-DO1
4.0C-H6A-DO2
4.0C-H6A-DO1-IR
4.0C-H6A-DO2-IR
8.0C-H6A-DO1
8.0C-H6A-DO2
8.0C-H6A-DO1-IR
8.0C-H6A-DO2-IR

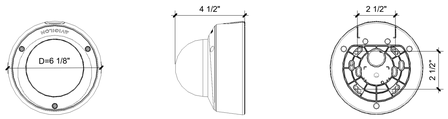
H6XP VARIANTS
4.0C-H6XP-DO1-IR-NA
4.0C-H6XP-DO1-IR-EU
4.0C-H6XP-DO2-IR-NA
4.0C-H6XP-DO2-IR-EU
8.0C-H6XP-DO1-IR-NA
8.0C-H6XP-DO1-IR-EU
8.0C-H6XP-DO2-IR-NA
8.0C-H6XP-DO2-IR-EU

H6X VARIANTS
4.0C-H6X-DO1-IR
4.0C-H6X-DO2-IR
8.0C-H6X-DO1-IR
8.0C-H6X-DO2-IR

2 **CAMERA H6A - DIMENSIONS - BASIS OF DESIGN**
Scale: N.T.S.

H6SL DOME - SURFACE MOUNT ADPATER

3.0C-H6SL-DO1-IR
5.0C-H6SL-DO1-IR
2.0C-H6SL-DO1-IR



3 **CAMERA H6SL - DIMENSIONS - BASIS OF DESIGN**
Scale: N.T.S.

FULLY SPRINKLERED
BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 290762
EXPIRES 12-31-24
ACCD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER GARRETT R. GOODSTEIN
7/24/2024

PROJECT MANAGER
ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

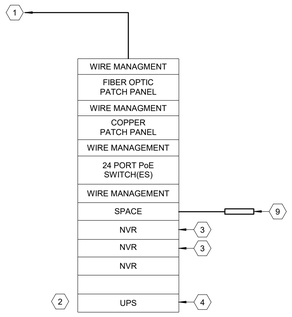
© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY DETAILS
Project Title: VIDEO SURVEILLANCE SECURITY YORK
VA PROJECT NUMBER: 626A4-22-104
Building Number: #
Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129
Approved
Date: JUNE 13, 2024
Checked: JVE
Drawn: LAS
Drawing Number: T-502
Dwg 25 of 26

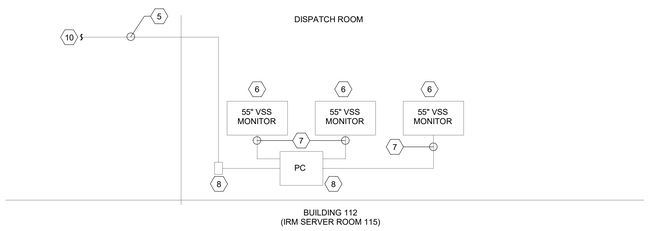
C:\Users\ldarnell\Documents\E-22-215\VA York-Video Sec Improv-TN_ldarnell\CBUMB.rvt
7/23/2024 4:23:07 PM
VA FORM 08-6231

Docusign Envelope ID: B9B77CD2-F0C1-4BAA-8538-6B315B443E44



1 SSTV SYSTEM RISER DIAGRAM

Scale: No Scale



2 SSTV SYSTEM RISER DIAGRAM

Scale: No Scale

SHEET NOTES:

A. FIBER ROUTING SHOWN IS DIAGRAMMATIC TO INDICATE PROPOSED ROUTING. CONTRACTOR TO COORDINATE EXACT ROUTING IN FIELD WITH THE COR PRIOR TO ROUGH-IN.

B. CONTRACTOR SHALL FIELD COORDINATE ALL STUB UP LOCATIONS WITH COR AND FIELD CONDITIONS PRIOR TO ROUGH-IN.

C. PROVIDE FIRE-CAULK FOR ALL CONDUIT/CABLE PENETRATIONS THROUGH RATED WALLS AND/OR FLOORS.

D. SEE PROPOSED PHASING SCHEME, SHEET T-001, FOR ADDITIONAL INFORMATION.

E. VA TO PROVIDE PoE DATA SWITCH WITH 2-10 GIG UPLINK FOR ALL CCTV EQUIPMENT SHALL.

F. USE 4 PR UTP FOR CABLE RUNS OF LESS THAN 295 FEET.

G. USE FIBER FOR CABLE RUNS GREATER THAN 295 FEET.

H. ALL ELECTRICAL CONDUIT SHALL BE MINIMUM 3/4" CONDUIT. ALL 4 PAIR BALANCED TWISTED PAIR CONDUIT SHALL BE MINIMUM 1-1/4" CONDUIT.

KEY NOTES:

1 INCOMING MMF FIBER FROM TELECOM ROOMS ROUTED TO FIBER OPTIC PATCH PANEL IN SERVER RACK.

2 CCTV CABINET SHALL BE 44 Us - 23"W x 30"D - FRONT GLASS DOOR, QUIET FAN WITH FILTER, POWER STRIP SURGE PROTECTION WITH FILTER, VERTICAL GROUND BUS BAR, AND SHELVES.
13.CCTV CABINET, IN BUILDING 74, SHALL BE 44 Us - 23"W x 30"D - FRONT GLASS DOOR, QUIET FAN WITH FILTER, POWER STRIP SURGE PROTECTION WITH FILTER, VERTICAL GROUND BUS BAR, AND SHELVES.

3 AVIGILON (BASIS OF DESIGN) MODEL #NVR5-PRM-288TB--S19-NA INSTALLED IN NEW CCTV CABINET. INCLUDE 10G ETHERNET CONNECTION.

4 NEW SMT3000C UPS TO PROVIDE CONTINUITY OF POWER FOR RACK EQUIPMENT.

5 RUN CAT 6A CABLING FROM SPARE PORTS IN EXISTING SWITCH OR PATCH PANEL TO NEW TELECOMMUNICATIONS OUTLET.

6 VSS MONITORS SHALL HAVE HDMI INPUTS. VSS MONITORS SHALL BE WALL MOUNTED IN POLICE DISPATCH. COORDINATE VSS MONITOR CONNECTIONS WITH COR AND POLICE.

7 VSS MONITOR SHALL HAVE HDMI INPUTS. PROVIDE DESK STAND FOR VSS MONITOR. COORDINATE VSS MONITOR CONNECTIONS WITH COR AND OIT REPRESENTATIVE.

8 PROVIDE NEW TELECOMMUNICATIONS OUTLET IN POLICE DISPATCH TO SERVE NEW MONITOR WORKSTATION - PC, KEYBOARD, MOUSE INCLUDED. COORDINATE WITH COR AND POLICE FOR PC LOCATION.

9 PROVIDE SLIDE OUT LAPTOP. LAPTOP SHALL HAVE 17" SCREEN.

10 COORDINATE LOCATION OF TELECOM CLOSET WITH OIT AND COR.

FULLY SPRINKLERED

BID DOCUMENTS

#	Revisions:	Date

CONSULTANTS:

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
JAMES V EZEKIEL
BICSI ID# 250762
EXPIRES 12-31-24
RCDD

NORTH CAROLINA PROFESSIONAL SEAL 36876 ENGINEER CAMERON R. GOODWIN 7/24/2024

PROJECT MANAGER

ACG Project Number 22-215

APOGEE Engineers | Architects

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

© COPYRIGHT Apogee Consulting Group, P.A.

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY RISERS

Project Title: VIDEO SURVEILLANCE SECURITY YORK

VA PROJECT NUMBER: 626A4-22-104

Building Number: #

Location: ALVIN C. YORK CAMPUS, 3400 LEBANON ROAD, MURFREESBORO, TN 37129

Approved

Date: JUNE 13, 2024 | Checked: JVE | Drawn: LAS

Drawing Number: T-601

Dwg 26 of 26

C:\Users\lstarnes\Documents\E-22-215Y-VA York Video Sec Improv-TN_lstarnesCBUMB.rvt
7/23/2024 4:23:09 PM
VA FORM 08-6231