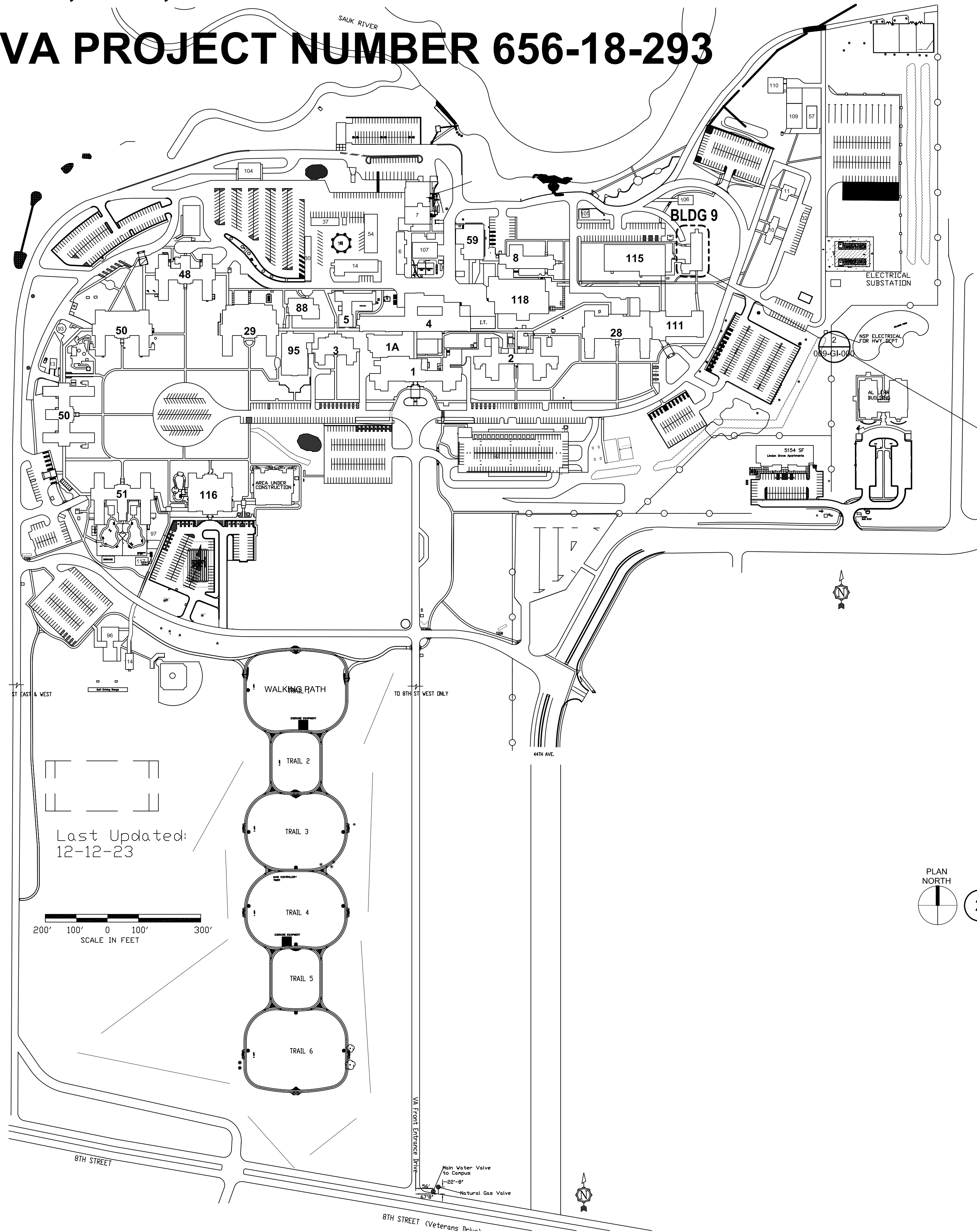


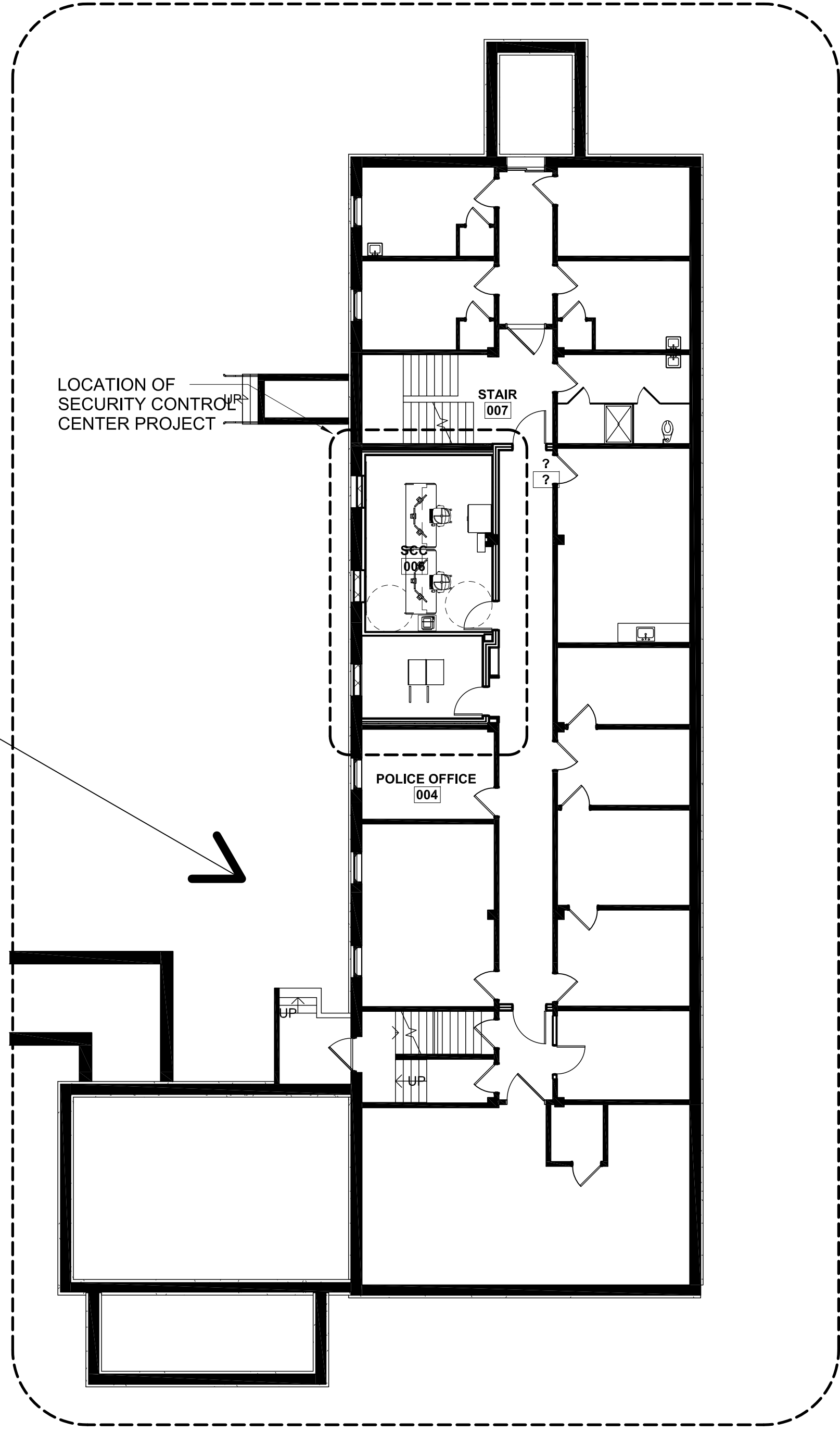
# US DEPARTMENT OF VETERAN AFFAIRS ST. CLOUD VA VA HEALTH CARE SYSTEM

## UPGRADE SURVEILLANCE AND DURESS SECURITY SYSTEM CAMPUS WIDE BUILDINGS 1, 1A, 2, 3, 4, 5, 8, 9, 28, 29, 48, 49, 50, 51, 59, 88, 95, 111, 115, 116, 118 AND 120.

VA PROJECT NUMBER 656-18-293



PLAN NORTH  
1 OVERALL CAMPUS SITE PLAN, BUILDING NUMBER, AND PROJECT LOCATOR  
1" = 200'-0"



PLAN NORTH  
2 OVERALL BASEMENT PLAN OF BLDG 9 - PROJECT SITE KEY PLAN  
3/32" = 1'-0"

### DRAWING INDEX

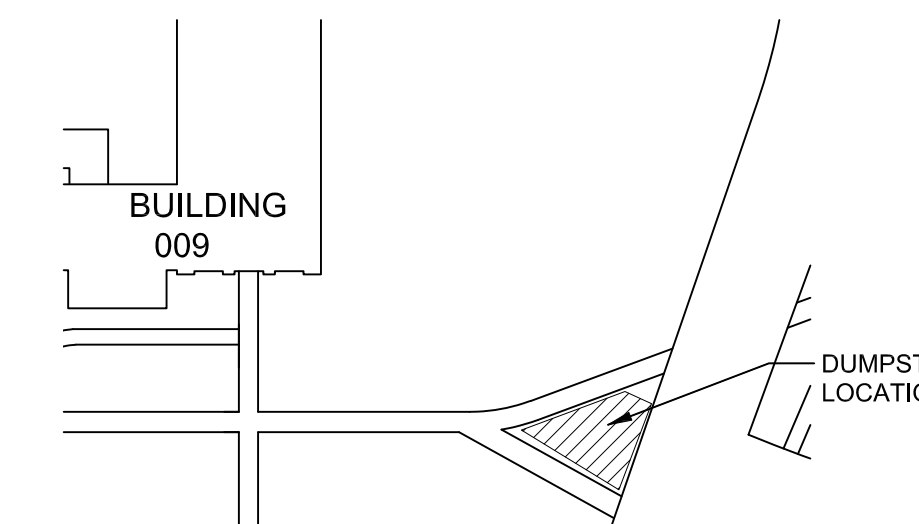
00-GENERAL	009-GI-000 COVER SHEET	27-SECURITY	000-QY-001 SECURITY-DURESS SYMBOL LEGEND
01-HAZARDOUS MATERIALS	009-HA-100 BLDG 009 BASEMENT LEVEL ABATEMENT PLAN	000-QY-101 SECURITY-DURESS SITE PLAN NORTH	000-QY-102 SECURITY-DURESS SITE PLAN SOUTH
05-ARCHITECTURE	009-AE-000 LEGEND AND ABBREVIATIONS	000-QY-002 CAMPUS WIDE INTRUSION DETECTION SYSTEM PANEL SCHEDULES	000-QY-103 DURESS BUTTON LOCATION SCHEDULE
009-AL-101 BLDG 009 LIFE SAFETY PLANS	009-AD-100 BLDG 009 BASEMENT LEVEL DEMOLITION FLR & REFL CLG PLAN	000-QY-300 SECURITY RISER DIAGRAM - QUADRANT 1&2	000-QY-301 SECURITY RISER DIAGRAM - QUADRANT 3,4,&5
009-AE-100 BLDG 009 BASEMENT LEVEL FLOOR PLAN	009-AC-110 BLDG 009 BASEMENT LEVEL REFLECTED CEILING PLAN	000-QY-302 SECURITY RISER DIAGRAM - QUADRANT 6,7,&8	000-QY-303 SECURITY RISER DIAGRAM - QUADRANT 9,10,11&12
009-AE-201 BLDG 009 EXTERIOR BUILDING ELEVATIONS	009-AE-601 BLDG 009 DOOR & FINISH SCHEDULE & DETAILS	000-QY-304 SECURITY RISER DIAGRAM - QUADRANT 13,14,&MISC	000-QY-500 SECURITY DETAILS
21-FIRE PROTECTION	009-PFP-000 PLUMBING AND FIRE PROTECTION SYMBOLS AND ABBREVIATIONS	000-QY-200 BUILDING 09 BASEMENT SECURITY COMMAND CENTER LAYOUT	001-QY-100 SECURITY-DURESS PLAN QUADRANT 1 LEVEL 00
009-FPD-101 FIRE PROTECTION DEMOLITION AND NEW WORK PLANS	22-PLUMBING	001-QY-101 SECURITY-DURESS PLAN QUADRANT 1 LEVEL 1	001-QY-102 SECURITY-DURESS PLAN QUADRANT 1 LEVEL 2
22-PLUMBING	009-PD-100 PLUMBING DEMOLITION AND NEW WORK PLANS	002-QY-100 SECURITY-DURESS PLAN QUADRANT 2 LEVEL 0	002-QY-101 SECURITY-DURESS PLAN QUADRANT 2 LEVEL 1
23-MECHANICAL	009-MH-000 MECHANICAL SYMBOLS & ABBREVIATIONS	002-QY-102 SECURITY-DURESS PLAN QUADRANT 2 LEVEL 2	003-QY-100 SECURITY-DURESS PLAN QUADRANT 3 LEVEL 0
009-MH-100 OVERALL DEMOLITION AND NEW WORK FLOOR PLANS	009-MH-200 MECHANICAL ENLARGED PLANS	003-QY-101 SECURITY-DURESS PLAN QUADRANT 3 LEVEL 1	004-QY-100 SECURITY-DURESS PLAN QUADRANT 4 LEVEL 0
009-MH-300 MECHANICAL DETAILS AND SCHEDULES	26-ELECTRICAL	004-QY-101 SECURITY-DURESS PLAN QUADRANT 4 LEVEL 1	004-QY-102 SECURITY-DURESS PLAN QUADRANT 4 LEVEL 2
009-EP-000 ELECTRICAL SYMBOLS AND ABBREVIATIONS	009-EP-100 OVERALL DEMOLITION AND NEW WORK FLOOR PLAN	005-QY-100 SECURITY-DURESS PLAN QUADRANT 5 LEVEL 0	005-QY-101 SECURITY-DURESS PLAN QUADRANT 5 LEVEL 1
009-EP-101 OVERALL DEMOLITION AND NEW WORK CEILING PLAN	009-EP-400 ENLARGED PLANS - NEW WORK	005-QY-102 SECURITY-DURESS PLAN QUADRANT 5 LEVEL 2	006-QY-100 SECURITY-DURESS PLAN QUADRANT 6 LEVEL 0
009-EP-500 ELECTRICAL DETAILS AND SCHEDULES		006-QY-101 SECURITY-DURESS PLAN QUADRANT 6 LEVEL 1	007-QY-101 SECURITY-DURESS PLAN QUADRANT 7 LEVEL 1
		007-QY-100 SECURITY-DURESS PLAN QUADRANT 8 LEVEL 0	008-QY-101 SECURITY-DURESS PLAN QUADRANT 8 LEVEL 1
		008-QY-102 SECURITY-DURESS PLAN QUADRANT 8 LEVEL 2	009-QY-101 SECURITY-DURESS PLAN QUADRANT 9 LEVEL 0
		009-QY-102 SECURITY-DURESS PLAN QUADRANT 9 LEVEL 1	009-QY-100 SECURITY-DURESS PLAN QUADRANT 9 LEVEL 1
		Q10-QY-100 SECURITY-DURESS PLAN QUADRANT 10 LEVEL 0	Q10-QY-101 SECURITY-DURESS PLAN QUADRANT 10 LEVEL 1
		Q11-QY-100 SECURITY-DURESS PLAN QUADRANT 11 LEVEL 0	Q11-QY-101 SECURITY-DURESS PLAN QUADRANT 11 LEVEL 1
		Q12-QY-100 SECURITY-DURESS PLAN QUADRANT 12 LEVEL 0	Q12-QY-101 SECURITY-DURESS PLAN QUADRANT 12 LEVEL 1
		Q12-QY-102 SECURITY-DURESS PLAN QUADRANT 12 LEVEL 2	Q13-QY-101 SECURITY-DURESS PLAN QUADRANT 13 LEVEL 0
		Q13-QY-102 SECURITY-DURESS PLAN QUADRANT 13 LEVEL 1	Q13-QY-100 SECURITY-DURESS PLAN QUADRANT 13 LEVEL 1
		Q14-QY-101 SECURITY-DURESS PLAN QUADRANT 14 LEVEL 1	

#### APPLICABLE CODES

- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL PLUMBING CODE
- NFPA 70 NATIONAL ELECTRIC CODE, 2014 EDITION
- NATIONAL FIRE PROTECTION ASSOCIATION, NFPA 101 LIFE SAFETY CODE, LATEST EDITION.
- AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)
- UNDERWRITERS LABORATORIES, INC. (U.L.) FIRE RESISTANCE RATINGS, VOLUME 1, 2005 (OR LATEST EDITION)

#### GENERAL NOTES

1. DUMPSTER/STAGING LOCATION AREA SHOWN BELOW. ENCLOSE STAGING AREA WITH CHAIN LINK FENCE ACCORDING TO SPECIFICATIONS 01 00 00. UPON REMOVAL, RESTORE ALL TURF WITHIN THE FENCED AREA WITH SOD PER SPECIFICATION 31 20 11.



### CONSTRUCTION SET

NO.	REVISION	DATE

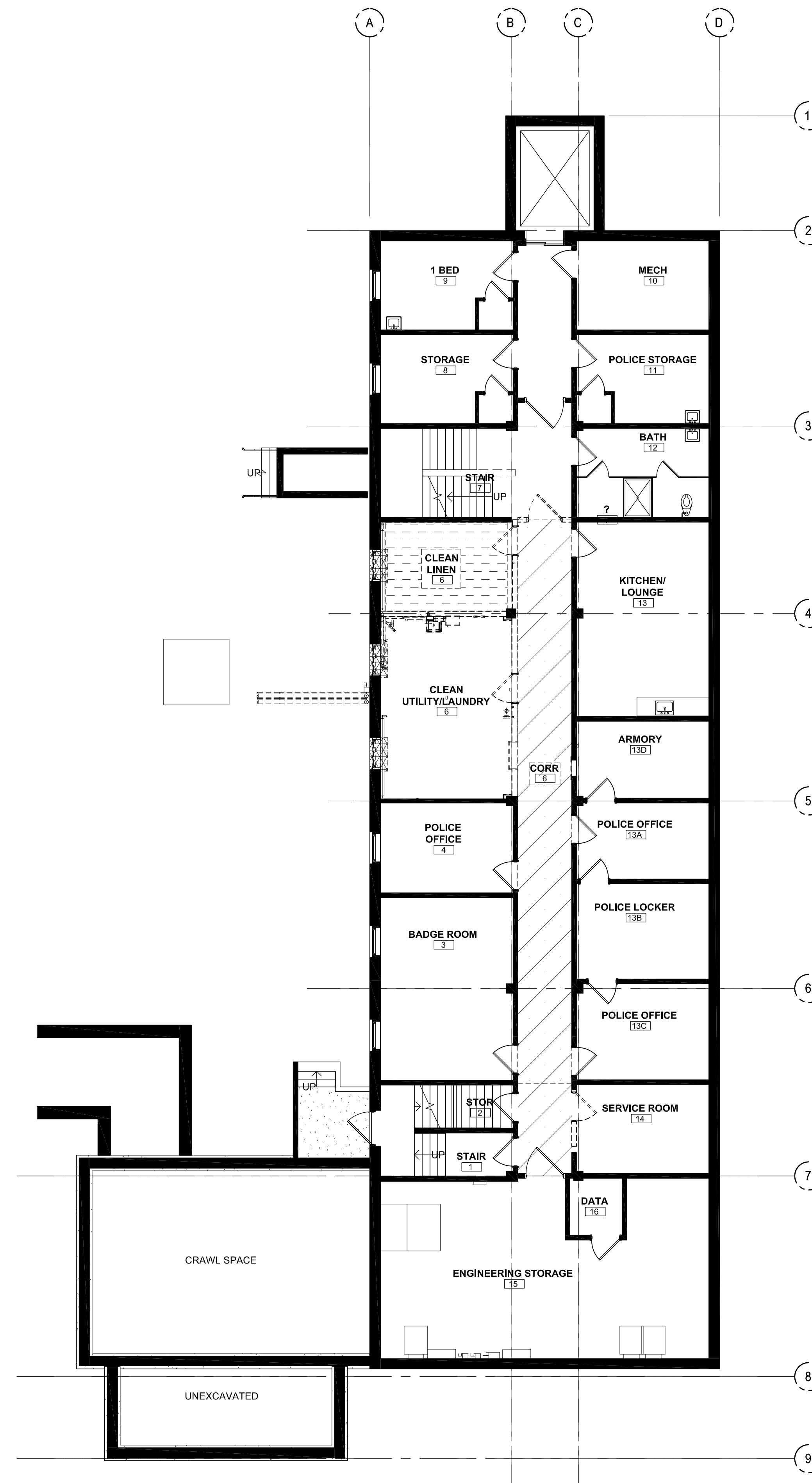
APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	DRAWING TITLE COVER SHEET
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	BUILDING: 009
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: CHIEF OF STAFF	DATE:	CHECKED BY: XXX
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	DRAWN: XXX

PROJECT TITLE Upgrade Surveillance and Duress Security System Campus Wide	PROJECT NO. 656-18-293	PLANT SCALE	PROJECT SCALE
LOCATION Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303	DRAWING NO. 009-GI-000	DWG. 1 OF 68	

U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System

### General Notes

1. All abatement activities to be performed per VA, US Government, EPA, and State of Minnesota requirements by a licensed abatement contractor.
2. Contractor to submit abatement plan and qualifications to the VA for approval.
3. Schedule abatement activities with COR and VA police.
4. Dispose of all contaminated materials offsite at an approved landfill.
5. Contractor to provide 3rd party independent monitoring and testing throughout abatement processes, including final clearance report.
6. Minimize damage to adjacent surfaces during abatement activities. Preserve windows for re-installation per plan.
7. Contractor to field verify all existing conditions prior to performing work and incorporate into abatement work plans.
8. All known asbestos-containing materials are shown. If conditions differ, notify COR immediately



LEGEND	
	ASBESTOS- CONTAINING MASTIC UNDER 12 X 12 FLOOR TILE
	ASBESTOS-CONTAINING MASTIC UNDER DOUBLE LAYER FLOOR TILE AND ASBESTOS-CONTAINING BASEBOARD ADHESIVE
	ASBESTOS- CONTAINING WINDOW CAULK

1 ABATEMENT FLOOR PLAN - BASEMENT LEVEL  
1/8" = 1'-0"

### CONSTRUCTION SET

NO	REVISION	DATE

APPROVED: PROJECT COORDINATOR DATE:	APPROVED: SERVICE LINE DIRECTOR DATE:	APPROVED: INFECTION CONTROL NURSE/DATE:
APPROVED: GEMS COORDINATOR DATE:	APPROVED: PATIENT SAFETY DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR DATE:
APPROVED: PROJECTS SECTION MANAGER/DATE:	APPROVED: CHIEF OF POLICE DATE:	APPROVED: CHIEF OF STAFF DATE:
APPROVED: DIRECTOR FMS DATE:	APPROVED: SAFETY MANAGER DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE:

DRAWING TITLE <b>BLDG 009 BASEMENT LEVEL ABATEMENT PLAN</b>		PROJECT TITLE <b>Upgrade Surveillance and Duress Security System Campus Wide</b>		PLOT SCALE 1/8" = 1'-0"	
APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR DATE:		PROJECT NO. 656-18-293		DRAWING NO. 009-HA-100	
BLDG NO. 009	CHECKED BY XXX	DRAWN BY XXX	LOCATION Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56309		
DATE:			DATE:		

**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System

**GENERAL MATERIALS LEGEND**

NOT ALL SYMBOLS ARE USED

CONCRETE	STEEL	WOOD	GYP BD (SECTION/DETAILS)	INSULATION-BATT
CMU	FACE BRICK	SAND	PARTICLE BOARD (SECTION)	PLYWOOD
GRANULAR FILL	WOOD BLOCKING	WOOD SHIM	INSULATION-RIGID (DETAIL/SECTION)	INSULATION-SPRAYED ON (DETAIL/SECTION)
EARTH (DETAIL/SECTION)				

**LINETYPES**

NOT ALL LINETYPES ARE USED

	CENTER LINE
	SMOKE PARTITION
	1 HR FIRE BARRIER
	2 HR FIRE BARRIER
	3 HR FIRE BARRIER
	4 HR FIRE BARRIER
	1 HR SMOKE BARRIER
	INSULATED FOR SOUND
	PATH DIRECTION OF EGRESS
	HAND RAIL AND BUMPER RAIL

**GENERAL NOTES**

- CONTRACTOR IS NOT AUTHORIZED TO SCALE CONSTRUCTION DOCUMENTS, AND ARCHITECT ARE TO BE NOTIFIED IN THE EVENT A DISCREPANCY IS FOUND IN EITHER SPECIFICATIONS OR CONTRACT DOCUMENTS AT THE EARLIEST PRACTICAL OPPORTUNITY.
- GENERAL CONTRACTOR WILL OBSERVE AND COMPLY WITH ALL REGULATIONS IMPOSED BY GOVERNING BODIES HAVING JURISDICTION, AND RELATING TO STANDARD CONSTRUCTION PRACTICE.
- ALL WRITTEN CORRESPONDENCE WILL BE TRANSMITTED FROM SUBCONTRACTOR THROUGH GENERAL CONTRACTOR THROUGH ARCHITECT TO OWNER. ALL PARTIES CORRESPONDENCE ARE TO RECEIVE WRITTEN AND SIGNED COPIES OF SUCH. NO VERBAL AGREEMENTS AFFECTING COST OR ALTERNATIVE CONSTRUCTION METHODS AND ARRANGEMENTS WILL BE CONSIDERED VALID OR BINDING, AND ARE THEREFORE, DISALLOWED.
- GENERAL CONTRACTOR WILL COMPLY WITH ALL DIRECTIVES OF THE OWNER. IF CONFLICTS BETWEEN DRAWINGS, SPECIFICATIONS, AND REQUIREMENTS OF BUILDING OWNER AND/OR OPERATORS ARISE, THEY WILL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- CONTRACTORS ARE NOT AUTHORIZED TO SCALE CONSTRUCTION DOCUMENTS, ARCHITECT IS TO BE NOTIFIED IN THE EVENT A DISCREPANCY IS FOUND IN EITHER SPECIFICATIONS OR CONTRACT DOCUMENTS AT THE EARLIEST PRACTICAL OPPORTUNITY.
- ALL TRADES ARE REQUIRED TO VISIT THE PROJECT SITE AND DETERMINE THAT ALL WORK CAN BE ACHIEVED IN A COMPLETE MANNER UNDER THEIR BID.
- THE CONTRACTOR WILL CONTAIN ALL CONSTRUCTION ACTIVITY, INCLUDING STORAGE OF MATERIAL AND EQUIPMENT, WITHIN THE CONSTRUCTION LIMITS, AT ALL TIMES BEING RESPONSIBLE FOR AND ABIDING BY RULES AND REGULATIONS OF THE OWNER.
- GENERAL CONTRACTOR WILL REMOVE ALL CONSTRUCTION DEBRIS FROM JOBSITE. ALL CONSTRUCTION DEBRIS WILL BE CONTAINED INSIDE CONSTRUCTION LIMITS.
- CONTRACTOR WILL SATISFACTORILY REPAIR SURFACE DAMAGE TO MATCH EXISTING CONDITIONS.
- WHERE REQUIRED, REINFORCED WALLS WILL HAVE CONCEALED, FIRE TREATED WOOD BLOCKING OR METAL STRAP BACKING SIZED TO ACCOMMODATE THE WEIGHT OF THE MOUNTED ITEM.
- ALL FLOOR TRANSITIONS BETWEEN DIFFERENT MATERIALS WILL BE SMOOTH AND FLUSH (MAXIMUM = 1/8" TOLERANCE).

**SYMBOLS**

ARCHITECTURAL ANNOTATION		ARCHITECTURAL	
NOT ALL SYMBOLS ARE USED		NOT ALL SYMBOLS ARE USED	
	KEYNOTE		NEW DOOR
	DOOR NUMBER		EXISTING DOOR TO REMAIN
	CEILING HEIGHT		EXISTING DOOR TO BE REMOVED
	WINDOW TYPE		NEW PARTITION
	SIGNAGE TYPE		EXISTING PARTITION OR WALL TO REMAIN
	PARTITION TYPE		EXISTING PARTITION OR CONSTRUCTION TO BE REMOVED
	ROOM NAME AND NUMBER		
	EXTERIOR BUILDING ELEVATION		
	INTERIOR ELEVATION		
	SECTION - BUILDING		
	SECTION - WALL		
	SECTION - DETAIL		
	SECTION - CASEWORK		
	REVISION		
	FINISH FLOOR ELEVATION		
	NORTH ARROW		
	EXISTING PHOTO VANTAGE POINT		

ARCHITECTURAL MODELING	
NOT ALL SYMBOLS ARE USED	
	NEW DOOR
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO BE REMOVED
	NEW PARTITION
	EXISTING PARTITION OR WALL TO REMAIN
	EXISTING PARTITION OR CONSTRUCTION TO BE REMOVED

ACOUST	
ACT	ACOUSTICAL
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
ALT	ALTERNATE or ALTERNATIVE
ALUM	ALUMINUM
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECTURAL/ARCHITECT
ASPH	ASPHALT
ATTN	ATTENTION

BD	BOARD	CAB(S)	CABINET(S)	CCT	CUBICLE CURTAIN TRACK	CLG	CLEAR	CMU	CONCRETE MASONRY UNIT	CO	CLEAN OUT	COL	COLUMN	CONC	CONCRETE	CONN	CONNECTION	CONST	CONSTRUCTION	CONT	CONTINUOUS	CONTR	CONTRACTOR	D	DEEP / DEPTH	DBL	DOUBLE	DEG	DEGREE	DEMOUNT	DEMOUNTABLE	DF	DRINKING FOUNTAIN	DIA	DIAMETER	DIAG	DIAGONAL	DIFF	DIFFUSER	DIM	DIMENSION	DISP	DISPENSER	DN	DOWN	DS	DOWNSPOUT	DT	DRAIN TILE	DTL	DETAIL	DWG(S)	DRAWING(S)	DWR	DRAWER	E	EAST	EA	EACH	EJ	EXPANSION JOINT	EL	ELEVATION	ELEC	ELECTRICAL	ELEV	ELEVATOR	ENGR	ENGINEER	EP	ELECTRICAL PANEL	EQ	EQUAL	EQUIP	EQUIPMENT	ESMT	EASEMENT	EW	EYE WASH	EWC	ELECTRIC WATER COOLER	EXH	EXHAUST	EXIST	EXISTING	EXP	EXPANSION	EXP AGG	EXPPOSED AGGREGATE	EXT	EXTERIOR	FA	FIRE ALARM	FCU	FAN COIL UNIT	FD	FLOOR DRAIN	FE	FIRE EXTINGUISHER	FEC	FIRE EXTINGUISHER CABINET	FF	FINISH FLOOR	FIN	FINISH	FLASH	FLASHING	FLR	FLOOR	FND	FOUNDATION	FRZ	FREEZER	FT	FEET (FOOT)	FTG	FOOTING	FUR	FURRING	FUT	FUTURE
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FV																																																																																																																																							
GA	GALVE	GRAB BAR	GLASS	GR	GRADE	GRND	GROUND	GWB	GYP	GYPSUM WALLBOARD																																																																																																																													
H	HIGH	HB	HORSE BIBB	HD	HEAD	HDW	HARDWARE	HDWD	HARDWOOD	HM	HOLLOW METAL	HORIZ	HORIZONTAL	HR	HOUR	HT	HEIGHT	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	ID	INSIDE DIAMETER	IN	INCH	INFO	INFORMATION	INSUL	INSULATION	INT	INTERIOR	JST	JOIST	JT	JOINT	KIT	KITCHEN	LAM	LAMINATE OR LAMINATED	LAV	LAVATORY	LBR	LUMBER	LDR	LABOR, DELIVERY AND RECOVERY (PATIENT ROOM)	LDRP	LABOR, DELIVERY, RECOVERY AND POST PARTUM (PATIENT ROOM)	LKR	LOCKER	LT	LIGHT	M	MALE	MACH	MACHINE	MANUF	MANUFACTURER	MAS	MASONRY	MAX	MAXIMUM	MECH	MECHANICAL	MEMBR	MEMBRANE	MFR	MANUFACTURER	MGSOV	MEDICAL GAS SHUT OFF VALVE	MGZV	MEDICAL GAS ZONE VALVE	MH	MANHOLE	MIN	MINIMUM	MISC	MISCELLANEOUS	MO	MASONRY OPENING	MTD	MOUNTED	MTL	METAL / MATERIAL	MULL	MULLION	N	NORTH	NC	NURSE CALL	NIC	NOT IN CONTRACT	NO	OR #	NTS	NOT TO SCALE	OC	ON CENTER	OD	OUTSIDE DIAMETER	OF	OWNER FURNISHED, CONTRACTOR INSTALLED	OFF	OFFICE	OFOI	OWNER FURNISHED, OWNER INSTALLED	OH	OPPOSITE HAND	OPNG	OPENING	OPP	OPPOSITE	PLBG	PLUMBING	PLWD	PLYWOOD	PR	PAIR	PREFAB	PREFABRICATED	PROJ	PROJECTION	PRTN	PARTITION	PT	PAINT	PT	PRESSURE TREATED	PTD	PAPER TOWEL DISPENSER	RA	RETURN AIR	RAD	RADIUS	RCP	REFLECTED CEILING PLAN	REF	REFERENCE/REFER TO

**ABBREVIATIONS**

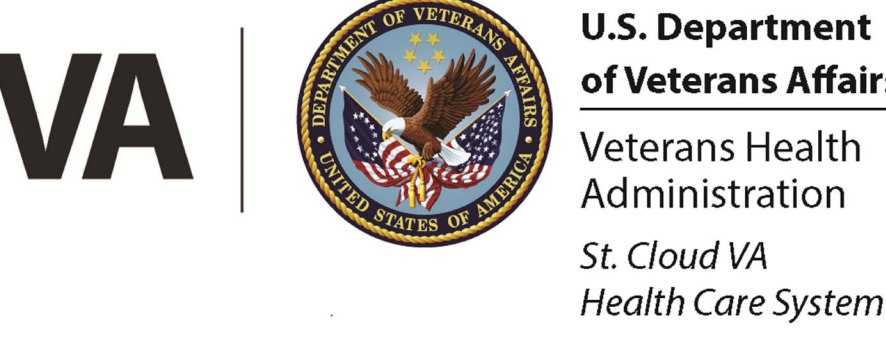
REFR	REFRIGERATOR	REIN	REINFORCING OR REINFORCEMENT	REOD	REQUIRED	REV	REVISION	RM	ROOM	RO	ROUGH OPENING	RTU	ROOF TOP UNIT	S	SOUTH	S STL	STAINLESS STEEL	SA	SUPPLY AIR	SAN	SANITARY	SC	SOLID CORE	SCHED	SCHEDULE	SST	SMOKE DETECTOR	SECT	SECTION	SF	SQUARE FEET	SHT	SHEET	SHWR	SHOWER	SIM	SIMILAR	SND	SANITARY NAPKIN DISPENSER	SNR	SANITARY NAPKIN RECEPTACLE	SPAN	SPANDELL	SPEC	SPECIFICATION	SPMR	SINGLE PLY MEMBRANE ROOF(ING)	SO	SQUARE	SS	STAINLESS STEEL	SSK	SERVICE SINK	SST	SAFETY STATION	STD	STANDARD	STL	STEEL	STOR	STORAGE	STRUC	STRUCTURE	SUSP	SUSPENDED	T & B	TOP AND BOTTOM	T & G	TONGUE AND GROOVE	TACK	TACKBOARD	TELE	TELEPHONE	TEMP	TEMPERED	TH	THICK	THRU	THROUGH	TOP	TOP OF	TOC	TOP OF CURB	TOP	TOP OF PAVEMENT	TOW	TOP OF WALL	TP	TOILET PAPER	TS	TACK SURFACE	TTD	TOILET TISSUE DISPENSER	TV	TELEVISION	TYP	TYPICAL	UC	UNDER COUNTER	UC REFR	UNDERCOUNTER REFRIGERATOR	UH	UNIT HEATER	UL	UNDERWRITER'S LABORATORY	UNFIN	UNFINISHED	UNND	UNLESS NOTED OTHERWISE	UR	URINAL	VERT	VERTICAL	VEST	VESTIBULE	VF	VERIFY IN FIELD	VTR	VENT THROUGH ROOF	W	WEST	W	WIDE	W(O)	WITH / WITHOUT	WC	WATER CLOSET	WD	WOOD	WH	WALL HYDRANT	WIND	WINDOW	WS	WIRE SHELVING	WWF	WELDED WRE FABRIC	WWW	WELDED WIRE MESH	XFI	X-RAY FILM ILLUMINATOR	YD	YARD
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NO	REVISION	DATE
1	CONSTRUCTION SET	08/09/20

APPROVED: PROJECT COORDINATOR	DATE: 6/8/2020	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	DRAWING TITLE: LEGEND AND ABBREVIATIONS
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY DIRECTOR	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	PROJECT TITLE: Upgrade Surveillance and Duress Security System Campus Wide
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: CHIEF OF STAFF	DATE:	BUILDING: 999
APPROVED: DIRECTOR PM	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	DRAWN: XXX

PROJECT TITLE: Upgrade Surveillance and Duress Security System Campus Wide	PROJECT NUMBER: 066-18-293	DATE: 06/09/20
LOCATION: Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303	DWG: 099-AE-000	OF: 68

**CONSTRUCTION SET**



**APPLICABLE CODES**

- 2018 INTERNATIONAL BUILDING CODE
- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL PLUMBING CODE
- NFPA 70 NATIONAL ELECTRIC CODE, 2014 EDITION
- NATIONAL FIRE PROTECTION ASSOCIATION, NFPA 101 LIFE SAFETY CODE, LATEST EDITION
- AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)
- UNDERWRITERS LABORATORIES, INC. (U.L.) FIRE RESISTANCE RATINGS, VOLUME 1, 2005 (OR LATEST EDITION)

**LIFE SAFETY LEGEND**

- NEW OR EXISTING TWO HOUR FIRE RATED PARTITION
- NEW OR EXISTING SMOKE RATED PARTITION
- FEC FIRE EXTINGUISHER AND CABINET TO CONFORM TO NFPA. PROVIDE SIGNAGE ABOVE CABINET.
- PATH: DIRECTION OF EGRESS (FARTHEST FROM EXIT) (TOTAL TRAVEL DISTANCE IDENTIFIED IN BOLD TEXT)

**EXIT DEVICES**

- CLG WALL
- EXIT SIGN DOUBLE-SIDED FIXTURE DIRECTIONAL ARROWS AS INDICATED
- EXIT SIGN SINGLE-SIDED FIXTURE DIRECTIONAL ARROWS AS INDICATED
- SHADING INDICATES FACE(S)

**BUILDING & CODE DATA**

- FIRE PROTECTION**
- THE SPACES WITHIN THE PROJECT AREA ARE ALREADY SERVED BY A SPRINKLER SYSTEM, WHICH WILL RECEIVE MINOR MODIFICATIONS WITHIN THE SCOPE OF THE PROJECT.
  - FIRE EXTINGUISHER FINAL LOCATIONS WILL BE COORDINATED WITH THE BASE FIRE MARSHAL IN THE FIELD.
  - FIRE DETECTION AND MASS NOTIFICATION WILL MEET THE REQUIREMENTS OF NFPA AND BE APPROVED COORDINATED W/ BASE FIRE MARSHAL.
  - PER NFPA 101 SECTION 4.6.8 AND 18.1.1.1.1 (3) ONLY THE ALTERED/RENEWED SECTIONS OF THE PROJECT ARE REQUIRED TO MEET THE APPLICABLE SECTIONS OF THE CODE. THIS ANALYSIS THEREFORE ONLY COVERS THE AREA IMPACTED BY THE RENEWAL OF THE BASEMENT LEVEL AROUND THE SCC AND SCC SUPPORT ROOM AND INCIDENTAL WORK. ALL TRAVEL DISTANCES ARE MEASURED WITHIN PROJECT BOUNDARIES AND CONCLUDE AT EXISTING EXIT ACCESS CORRIDORS OR EXITS OUTSIDE THE SCOPE OF WORK OF THIS PROJECT. THESE EXIT ACCESS CORRIDORS AND EXITS ARE ASSUMED TO BE CODE COMPLIANT. EXISTING SMOKE AND/OR FIRE PARTITIONS INTERRUPTED OR ALTERED BY NEW CONSTRUCTION WILL BE MAINTAINED AND RESTORED.

USE: SECURIT CONTROL, CENTER OFFICE AND SUPPORT SPACE

OCCUPANCY CLASSIFICATION: GROUP B - BUSINESS  
 TYPE OF CONSTRUCTION: TYPE IIB (IBC 2018)  
 HEIGHT: 41' ABOVE AVERAGE GRADE, 2 STORIES PLUS BASEMENT

ALLOWABLE AREA WITH SPRINKLER INCREASE (300%): 48,000 SF X 300% = 144,000 SF

ACTUAL AREA: 360 SF  
 HAZARD OF CONTENTS CLASSIFICATION: FACILITY - ORDINARY

ALL HORIZONTAL/VERTICAL PENETRATIONS THROUGH RATED WALL, FLOOR, ROOF, AND CEILING ASSEMBLIES WILL BE FIRESTOPPED PER I.B.C. SECTION 714.

**BUILDING ELEMENTS - FIRE RESISTANT REQUIREMENTS**

FIRE WALLS	RATING	ASSEMBLY
STRUCTURAL FRAME	0 HR	N/A
BEARING WALLS	0 HR	
EXTERIOR INTERIOR	0 HR	
NON-BEARING WALLS	0 HR	
EXTERIOR INTERIOR	AS NOTED ON PLAN	
FLOOR CONSTRUCTION	0 HR	
ROOF CONSTRUCTION	0 HR	

PROJECT SQUARE FOOTAGE TOTAL: 360 SF

AREA	AREA (SF)	TOTAL (SF)
BASEMENT - TOTAL	4,852 SF	4,852 SF
BASEMENT - RENOVATION	360 SF	360 SF OF THE TOTAL
FIRST FLOOR - TOTAL	5,359 SF	5,359 SF
FIRST FLOOR - RENOVATION	0 SF	0 SF
SECOND FLOOR - TOTAL	4,277 SF	4,277 SF
SECOND FLOOR - RENOVATION	0 SF	0 SF

OCCUPANT LOAD CALCULATIONS (PER IBC TABLE 1004.1.2):

AREA	OCCUPANCY
ASSEMBLY AREAS	37 OCC
600 SF / 15 SF PER OCC	40 OCC.
ACCESSORY / STORAGE AREAS	2 OCC.
800 SF / 400 SF PER OCC	
ACCESSORY / MECHANICAL AREAS	1 OCC.
200 SF / 200 SF PER OCC	
<b>TOTAL</b>	<b>80 OCCUPANTS</b>

**EXITING REQUIREMENTS**

EXITING REQUIREMENTS (1-500 OCCUPANTS):  
 PER IBC TABLE 1006.2.1 THE MIN. NUMBER OF EXITS REQUIRED PER OCCUPANT LOAD = 2

NUMBER OF EXITS PROVIDED: 2

TRAVEL DISTANCE:  
 MAXIMUM TRAVEL DISTANCE TO EXIT PER IBC TABLE 1017.2 SPRINKLERED B-OCCUPANCY = 300 FT.

DEAD END CORRIDORS PER IBC SECTION 1020.4: 20 FT. MAXIMUM

**LUMINAIRES**

- NO SHADING: NORMAL POWER
- ◐ HALF-SHADING: LIFE SAFETY OR BATTERY BACKUP
- ◑ FULL-SHADING: CRITICAL POWER

**SWITCHES & LIGHTING CONTROL DEVICES**

- CEILING OCCUPANCY DETECTOR: INFRARED SENSOR TYPE.
- CEILING OCCUPANCY DETECTOR: ULTRASONIC TYPE.
- CEILING OCCUPANCY DETECTOR: DUAL TECHNOLOGY TYPE.
- WALL MOUNTED SINGLE SWITCH OCCUPANCY SENSOR (PIR) [ULTRASONIC/DUAL TECHNOLOGY] TYPE
- WALL MOUNTED DUAL SWITCH OCCUPANCY SENSOR (PIR)[ULTRASONIC] [DUAL TECHNOLOGY] TYPE

**FIRE ALARM SYSTEMS**

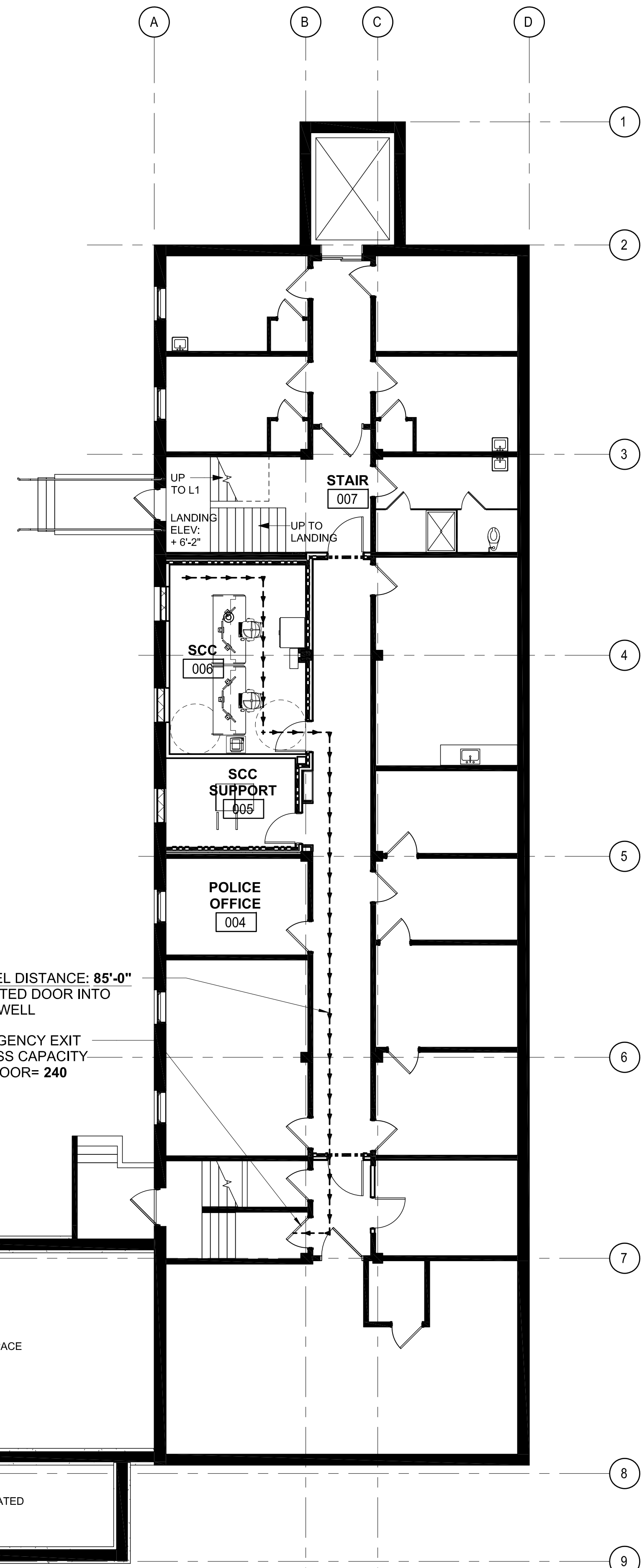
- F FIRE ALARM MANUAL STATION: +48" A.F.F. TO CENTER LINE
- Fd WALL MOUNTED [HORN/BELL/SPEAKER/CHIME]
- Fh WALL MOUNTED [HORN/BELL/SPEAKER/CHIME] WITH STROBE
- Fs WALL MOUNTED STROBE
- Ft CEILING MOUNTED [HORN/BELL/SPEAKER/CHIME] WITH STROBE
- Fv CEILING MOUNTED WITH STROBE
- Fw CEILING MOUNTED [HORN/BELL/SPEAKER/CHIME]
- HE HEAT DETECTOR: FIXED TEMPERATURE
- HR HEAT DETECTOR: RATE OF RISE
- SD SMOKE DETECTOR: PHOTOELECTRIC TYPE.
- SD SINGLE STATION SMOKE DETECTOR WITH SOUNDER BASE
- DH FIRE ALARM ELECTROMAGNETIC DOOR HOLDER

**PUBLIC ADDRESS SYSTEMS**

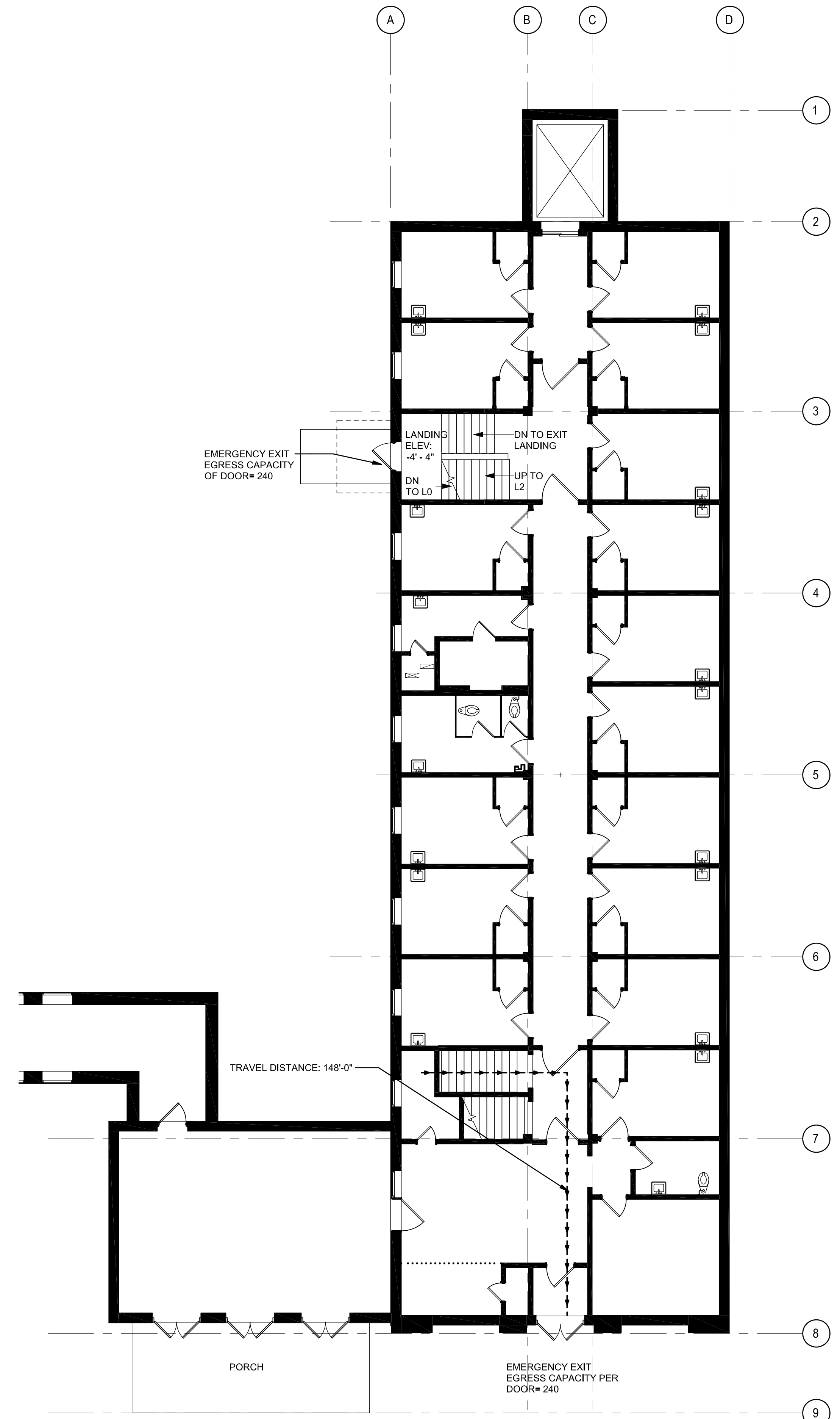
- S SPEAKER: CEILING
- W SPEAKER: WALL MOUNTED 7'-0" OR AS NOTED.

**LIFE SAFETY GENERAL NOTES**

- ALL REQUIRED EXITS WILL REMAIN OPEN DURING THE DURATION OF THE PROJECT AND TO BE KEPT CLEAR OF EQUIPMENT, MATERIALS, DEBRIS ETC.
- ALL REQUIRED EXIT EGRESS WIDTHS WILL NOT BE DECREASED DURING THE DURATION OF THE PROJECT AND TO BE KEPT CLEAR OF EQUIPMENT, MATERIALS, DEBRIS ETC.
- REQUIRED TRAVEL DISTANCE BETWEEN FIRE EXTINGUISHERS WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL PROVIDE TEMPORARY FIRE EXTINGUISHERS WHICH ARE PROPERLY MARKED WHEN TRAVEL DISTANCE IS INTERRUPTED BY THE CONSTRUCTION PROCESS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ANY EXISTING FIRE PROTECTION OR ALARM SYSTEM. THE CONTRACTOR WILL NOTIFY THE OWNER AND LOCAL FIRE OFFICIAL IN WRITING IF ANY PART OF THE FIRE PROTECTION OR FIRE ALARM SYSTEM IS TO BE INTERRUPTED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY MARKING ANY AND ALL TEMPORARY EXITS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE EMERGENCY EXITS SIGNAGE AND LIGHTING SYSTEM INCLUDING BUT NOT LIMITED TO TEMPORARY SIGNAGE AND LIGHTING AS REQUIRED BY CODE OR LOCAL BUILDING AND FIRE OFFICIALS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE RESTORATION OF ANY RATED ASSEMBLY DISTURBED BY THE CONSTRUCTION PROCESS TO ITS ORIGINAL INTEGRITY.
- PORTIONS OF THE PLAN THAT HAVE BEEN CROSSED HATCHED ARE CONSIDERED OUTSIDE THE SCOPE OF WORK, UNLESS NOTED OTHERWISE BY THE MEPPF DOCUMENTS, TYPICAL.



PLAN NORTH  
**1** BASEMENT LEVEL LIFE SAFETY PLAN  
 1/8" = 1'-0"



PLAN NORTH  
**2** FIRST FLOOR LIFE SAFETY PLAN  
 1/8" = 1'-0"

NO	REVISION	DATE

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	DRAWING TITLE: BLDG 009 LIFE SAFETY PLANS
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: CHIEF OF STAFF	DATE:	PROJECT TITLE: Upgrade Surveillance and Duesess Security System Campus Wide
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	BUILDING: 009
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	LOCATION: Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303	DATE:	CHECKED BY: XXXX

PROJECT TITLE: Upgrade Surveillance and Duesess Security System Campus Wide	PLANT SCALE: PROJECT #666-18-293
BUILDING: 009	CHECKED BY: XXXX
LOCATION: Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303	DRAWING: 009-AL-101 DWG. 4 OF 68

**CONSTRUCTION SET**

U.S. Department of Veterans Affairs  
 Veterans Health Administration  
 St. Cloud VA Health Care System

# DEMOLITION PLAN KEYNOTES

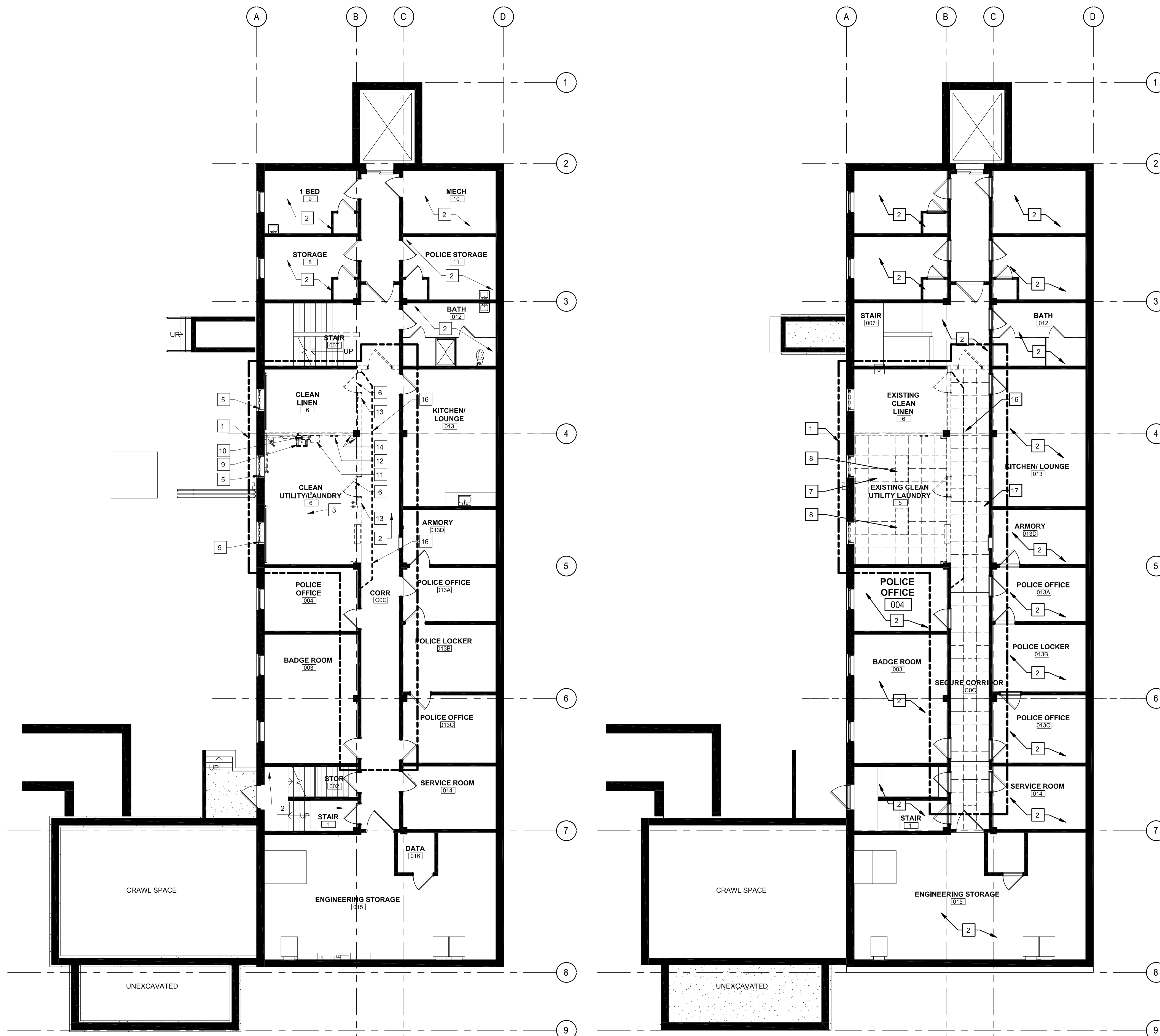
GENERAL DEMOLITION NOTES (RATINGS)

1. PROJECT LIMIT AREA. POSSIBLE INCIDENTAL MECHANICAL, ELECTRICAL OR PLUMBING WORK MAY OCCUR.
2. NO DIRECT WORK THIS AREA. SAWCUT AND REMOVE EXISTING 8" CONCRETE FLOOR.
3. REMOVE EXISTING FLOORING DOWN TO CONCRETE STRUCTURE AS REQUIRED AND PREPARE SURFACES TO RECEIVE NEW FINISHES. REMOVE EXISTING GYP. BD. AND FURRING.
4. REMOVE EXISTING WINDOWS FOR SALVAGE FOR REINSTALLATION.
5. REMOVE EXISTING 20 MIN. FIRE RATED WOOD DOOR, FRAME, AND HARDWARE COMPLETELY. PREPARE OPENING AS REQUIRED FOR NEW METAL DOOR FRAME AND HARDWARE.
6. REMOVE EXISTING LAY-IN CEILING GRID AND CEILING TILE.
7. REMOVE EXISTING LIGHT FIXTURES FOR POSSIBLE REUSE. SEE ELECTRICAL SHEETS.
8. REMOVE LAUNDRY WASH BASIN. CAP PLUMBING. DISPOSE.
9. REMOVE PAPER TOWEL DISPENSER. DISPOSE.
10. REMOVE METAL WALL CABINET.
11. REMOVE EXISTING CLOCK; RETURN TO OWNER.
12. REMOVE SIGNAGE AND PREP FOR NEW.
13. REMOVE EXISTING PLASTER FURRING ON CONCRETE COLUMN.
14. PLUMBING FIXTURE TO BE REMOVED - SEE PLUMBING DRAWINGS.
15. TEMPORARY CONSTRUCTION PARTITION.
16. SALVAGE ALL CEILING MOUNTED DEVICES IN CORRIDOR COC. REINSTALL IN NEW SUSPENDED CEILING. DEMOLISH EXISTING LIGHT FIXTURE.

- A. CONTRACTOR WILL VERIFY, MAINTAIN, AND PROTECT ALL EXISTING FIRE-RATED AND/OR SMOKE-RATED ASSEMBLIES WITHIN THE PROJECT AREA THAT ARE TO REMAIN DURING CONSTRUCTION.
- B. ALL FIRE-RATED FLOOR PENETRATIONS WILL BE REPAIRED AND/OR MAINTAINED TO A 2-HOUR MINIMUM RATING WITHIN FOUR (4) HOURS OF DEMOLITION.
- C. ALL PENETRATIONS WILL BE MAINTAINED AND/OR REPAIRED TO MEET THE MINIMUM RATING REQUIREMENTS WITHIN FOUR (4) HOURS OF DEMOLITION.
- D. ANY EXISTING FIRE-RATED AND/OR SMOKE-RATED ASSEMBLIES THAT ARE DISCOVERED TO BE COMPROMISED WILL BE REPAIRED WITHIN FOUR (4) HOURS OF THE DISCOVERY.

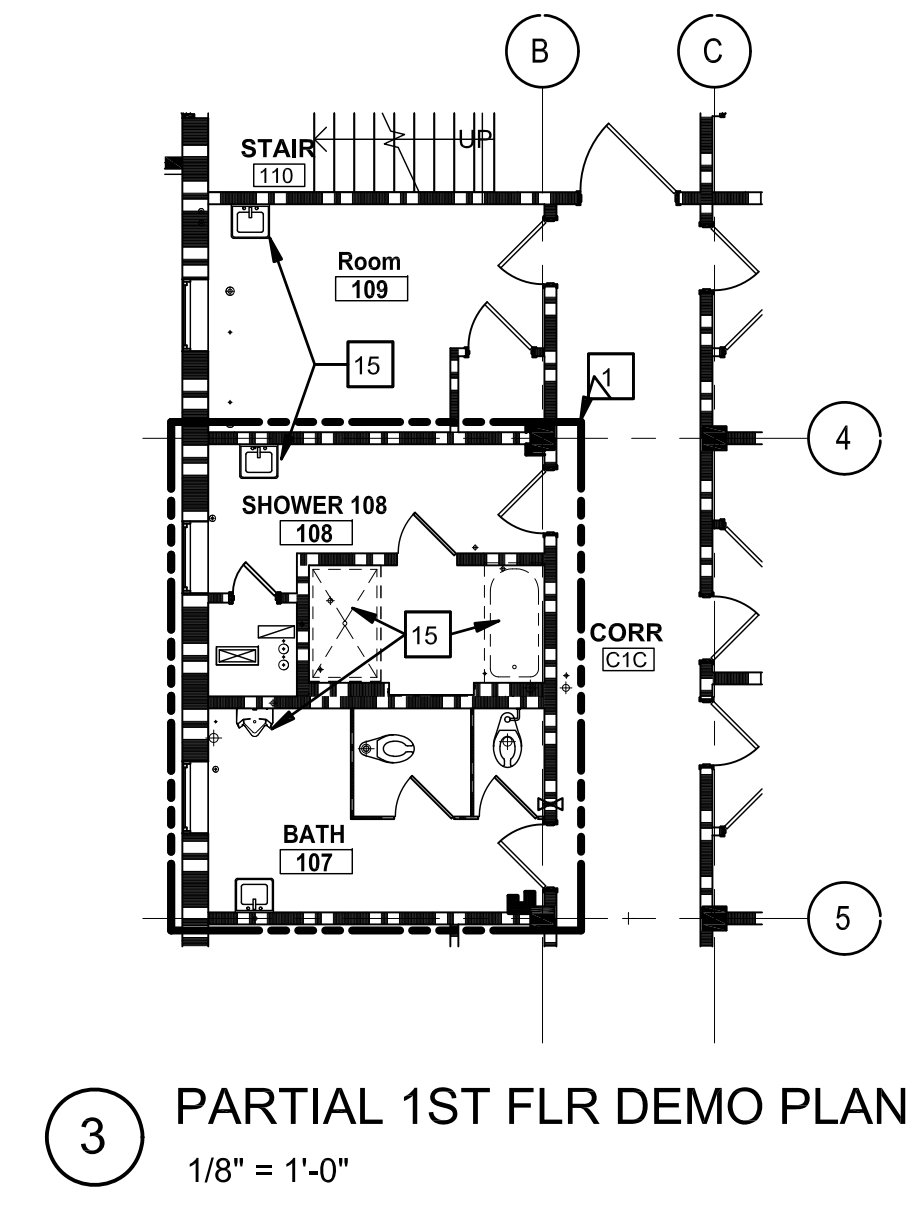
GENERAL DEMOLITION NOTES

- A. EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY, AND WILL NOT BE CONSTRUED AS "AS BUILT". THE CONTRACTOR WILL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ONSET OF CONSTRUCTION.
- B. THE DEMOLITION DRAWING IS TO SHOW A GENERAL "GUT" OF THE DEMOLITION AREA. ALL INTERIOR PARTITIONS, FLOORING, CEILING, CASEWORK, PLUMBING, MECHANICAL, AND ELECTRICAL FIXTURES ARE TO BE REMOVED (SHOWN DASHED) UNLESS SPECIFICALLY NOTED OTHERWISE. ALL EXISTING STRUCTURE TO REMAIN UNLESS SHOWN DEMOLISHED ON STRUCTURAL DRAWINGS. SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE EXTENT OF THEIR WORK.
- C. ALL WALL PARTITIONS SHOWN DASHED ARE TO BE REMOVED. THE CONTRACTOR WILL PATCH ALL PARTITIONS, CEILINGS, AND FLOORS AFFECTED BY DEMOLITION TO MATCH ADJACENT CONSTRUCTION.
- D. THE OWNER WILL VERIFY WHICH REMOVAL ITEMS ARE TO BE RETAINED BY THE OWNER AT THE PRE-CONSTRUCTION MEETING.
- E. WHILE DEMOLITION IS OCCURRING, SENSITIVE MEDICAL ACTIVITIES WILL BE PROCEEDING IN ADJACENT AREAS. MINIMIZE NOISE AND DUST LEVELS AND TEMPORARILY SUSPEND DEMOLITION ACTIVITIES AS REQUESTED BY OWNER.
- F. CONTRACTOR WILL COMPLY WITH ALL INFECTIOUS CONTROL REQUIREMENTS OF THE FACILITY. REVIEW REQUIREMENTS PRIOR TO THE START OF CONSTRUCTION.
- G. ALL EXISTING HAZARDOUS MATERIALS IN THE BUILDING WILL BE REVIEWED AND DEMOLISHED BY AN ABATEMENT CONTRACTOR. REFER TO THE HAZARDOUS MATERIAL REPORT INCLUDED IN THE WORK PLAN.
- H. EXTERIOR WALLS, WINDOWS, AND DOORS ARE REMOVED. CONSTRUCT TEMPORARY PARTITIONS AS REQUIRED TO ASSURE EXISTING BUILDING REMAINS WATERTIGHT AND WITHOUT AIR INFILTRATION DURING WORK. MAINTAIN TEMPORARY PARTITIONS AS REQUIRED.
- I. TEMPORARY PARTITIONS AND TEMPORARY DOORS AS REQUIRED TO AVOID MIGRATION OF DUST AND DEBRIS INTO ADJOINING AREAS, TO MAINTAIN PROPER FIRE EXITS, AND TO CONFINE PEDESTRIAN ACTIVITY TO OCCUPIED SPACES WHILE MAINTAINING REQUIRED MEANS OF EGRESS.
- J. ALL DEMOLITION WILL BE COORDINATED WITH PHASING WORK REQUIRED TO COMPLETE WORK.
- K. COORDINATE DEMOLITION WORK IN OCCUPIED SPACES AND NOTIFY OWNER TWO WEEKS PRIOR TO COMMENCING WORK. MINIMIZE DISRUPTIONS TO SPACES THAT REMAIN IN OPERATION. PROTECT EXISTING FLOOR, WALL, AND CEILING FINISHES.
- L. THE CONTRACTOR WILL PROVIDE FALL AND SAFETY PROTECTION AT ANY HAZARDOUS CONDITION CAUSED BY THE DEMOLITION PROCESS.
- M. NOTES WHICH DO NOT HAVE ARROWS TO SPECIFIC ITEMS INDICATE MATERIAL TO BE REMOVED FOR ENTIRE ROOM IN WHICH NOTE OCCURS.
- N. MAKE ALL DEMOLITION CLEAN AND COMPLETE IN A MANNER SUITABLE FOR NEW FINISHES AND SURFACES.
- O. WHEN DEMOLITION CAUSES OR EXPOSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN IN THE FINISHED WORK, SUCH CONDITIONS WILL BE REPAIRED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISHES. REPAIRS MUST BE ACCEPTABLE TO OWNER.
- P. THE CONTRACTOR WILL CLEAN, PATCH, AND REPAIR EXISTING SURFACES AFFECTED DURING DEMOLITION AND CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES. REPAIRS WILL BE MADE AS TO MATCH EXISTING CONSTRUCTION IN MATERIAL, METHOD, TECHNOLOGY, COLOR PATTERNS, ETC.
- Q. REMOVE ALL EXISTING CEILING, SUSPENSION SYSTEM, FRAMEWORK, GRIDS, WALL MOLDINGS, ETC., WITHIN THE PROJECT LIMITS UNLESS OTHERWISE INDICATED ON PLANS.
- R. PATCH OPENINGS IN EXTERIOR WALLS RESULTING FROM DEMOLITION ACTIVITIES.
- S. ALL DOORS SHOWN DASHED ARE TO BE REMOVED. ASSOCIATED DOOR FRAME TO BE REMOVED UNLESS NOTED OTHERWISE.
- T. VERIFY FLOOR ELEVATIONS ON EACH SIDE OF WALLS BEING REMOVED. GRIND AND PATCH FLOOR AND INSTALL EPOXY FILL MATERIAL AS REQUIRED, FOR SMOOTH, LEVEL FLOOR CONDITION.
- U. THE CONTRACTOR WILL PROTECT THE EXISTING FLOOR FINISHES TO REMAIN FROM DAMAGE THROUGHOUT CONSTRUCTION.
- V. REMOVE EXISTING FLOOR FINISH AND BASE WHERE NEW FINISHES ARE REQUIRED. REMOVE FLOOR FINISH ADHESIVE. CLEAN AND PREPARE SUBSTRATES AS REQUIRED TO PRODUCE A FLAT, EVEN SURFACE IN A MANNER SUITABLE TO ACCEPT NEW FINISHES.
- W. PATCH FLOOR PENETRATIONS RESULTING FROM REMOVAL OF EXISTING DUCTWORK, PIPING, AND ELECTRICAL RACEWAYS. FILL PENETRATIONS WITH CONCRETE. FULL FLOOR THICKNESS AND MAINTAIN FIRE-RESISTIVE RATING OF FLOOR SYSTEM. FINISH SUBSTRATE IN A MANNER SUITABLE FOR NEW FLOOR FINISHES.
- X. THE CONTRACTOR WILL FILL ALL WALL PENETRATIONS RESULTING FROM THE REMOVAL OF EXISTING MEP DEVICES IN THE INTERIOR WALLS TO REMAIN. THE PENETRATIONS WILL BE FILLED FLUSH WITH, AND OF THE SAME MATERIALS AS, THE SURROUNDING WALLS. THIS INCLUDES WORK ABOVE ALL CEILINGS. THE CONTRACTOR WILL INFILL ALL OPENINGS IN EXTERIOR WALLS RESULTING FROM THE REMOVAL OF LOUVERS, EXHAUST FANS, ETC. THE OPENINGS WILL BE FILLED FLUSH WITH, AND OF THE SAME MATERIALS AS, THE SURROUNDING WALLS.
- Y. THE CONTRACTOR WILL COORDINATE WITH THE OWNER FOR ALL EXISTING EQUIPMENT AND FURNITURE ITEMS THAT ARE TO BE SALVAGED OR RE-INSTALLED PRIOR TO THE COMMENCEMENT OF DEMOLITION. (THIS SHOULD BE DEFINED AT THE SITE INVESTIGATION).
- Z. REMOVE ALL EXISTING WALL MOUNTED ITEMS WITHIN THE PROJECT LIMITS WHICH ARE NOT INDICATED TO REMAIN. IF ITEMS ARE REMOVED FROM WALLS OR COLUMNS THAT REMAIN, PATCH WALLS AND COLUMNS AS REQUIRED TO RECEIVE NEW FINISHES.
- AA. EXISTING SYSTEMS FURNITURE CURRENTLY LOCATED IN AREAS THAT WILL BE AFFECTED BY CONSTRUCTION WILL BE REMOVED BY THE OWNER PRIOR TO CONSTRUCTION.
- AB. PORTIONS OF THE PLAN THAT HAVE BEEN CROSSED HATCHED ARE CONSIDERED OUTSIDE THE SCOPE OF WORK, UNLESS NOTED OTHERWISE BY THE MEPP DOCUMENTS, TYPICAL.



PLAN NORTH  
1  
BASEMENT DEMOLITION FLOOR PLAN  
1/8" = 1'-0"

PLAN NORTH  
2  
BASEMENT DEMOLITION REFLECTED CEILING PLAN  
1/8" = 1'-0"



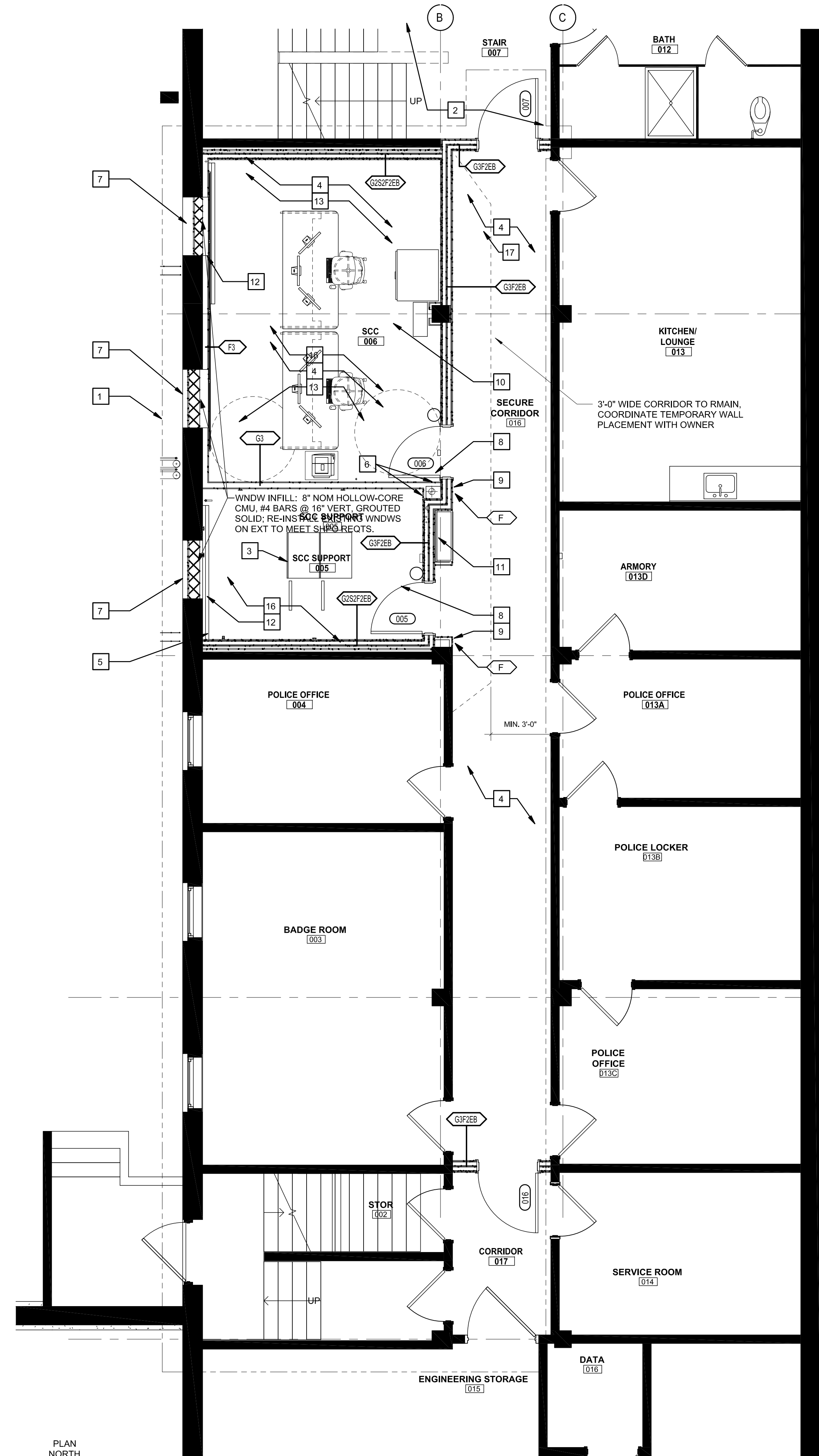
3  
PARTIAL 1ST FLR DEMO PLAN  
1/8" = 1'-0"

NO.	REVISION	DATE
1	CONSTRUCTION SET	06/09/20

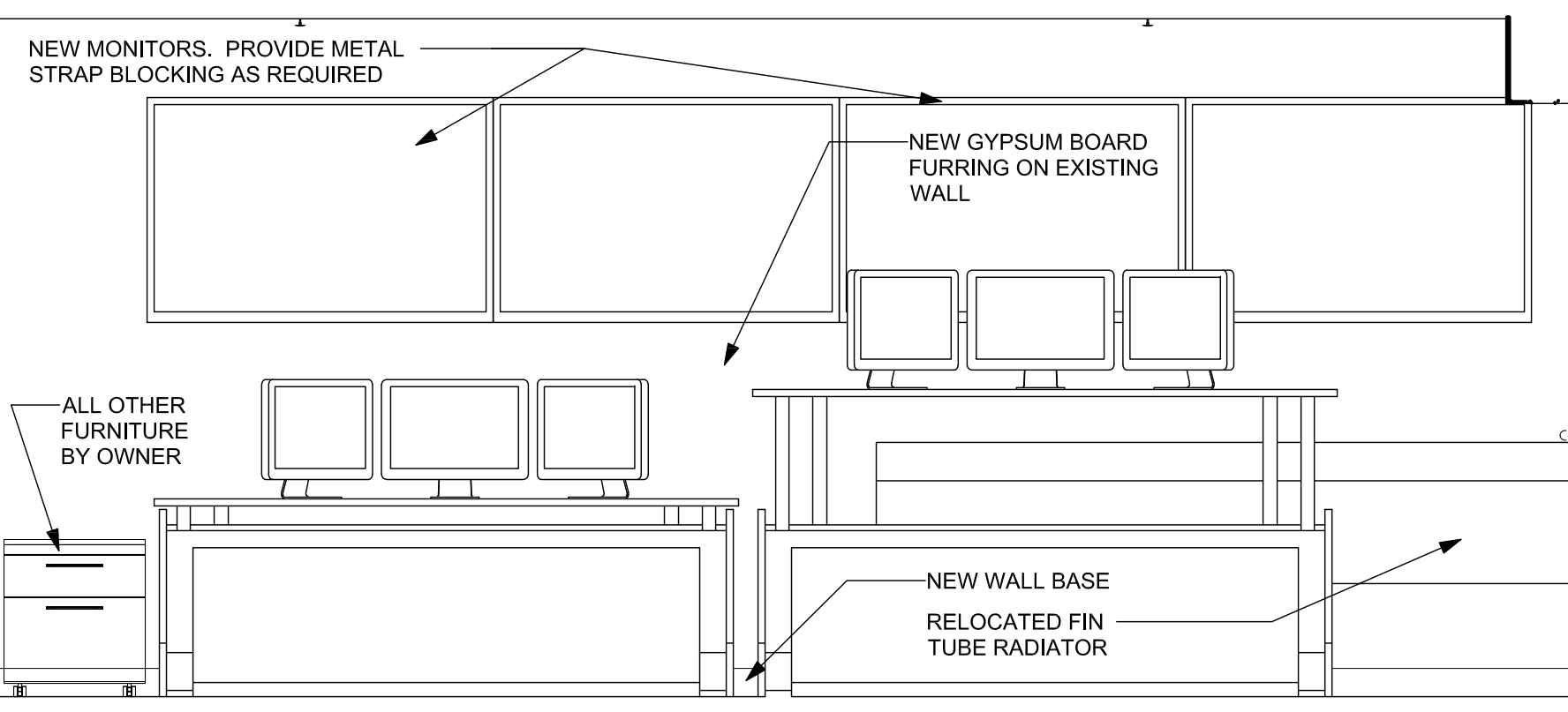
APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	DRAWING TITLE: BLDG 009 BASEMENT LEVEL DEMOLITION FLR & REFL CLG PLAN	PROJECT TITLE: Upgrade Surveillance and Duesess Security System Campus Wide
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: CHIEF OF STAFF	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	PROJECT NO: 099
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: SAFETY MANAGER	CHECKED BY: XXXX
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: SAFETY MANAGER	DRAWN XXXX
							LOCATION: Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303
							THROWAWAY: 009-AD-100 DWG: 5 OF 68

**CONSTRUCTION SET**

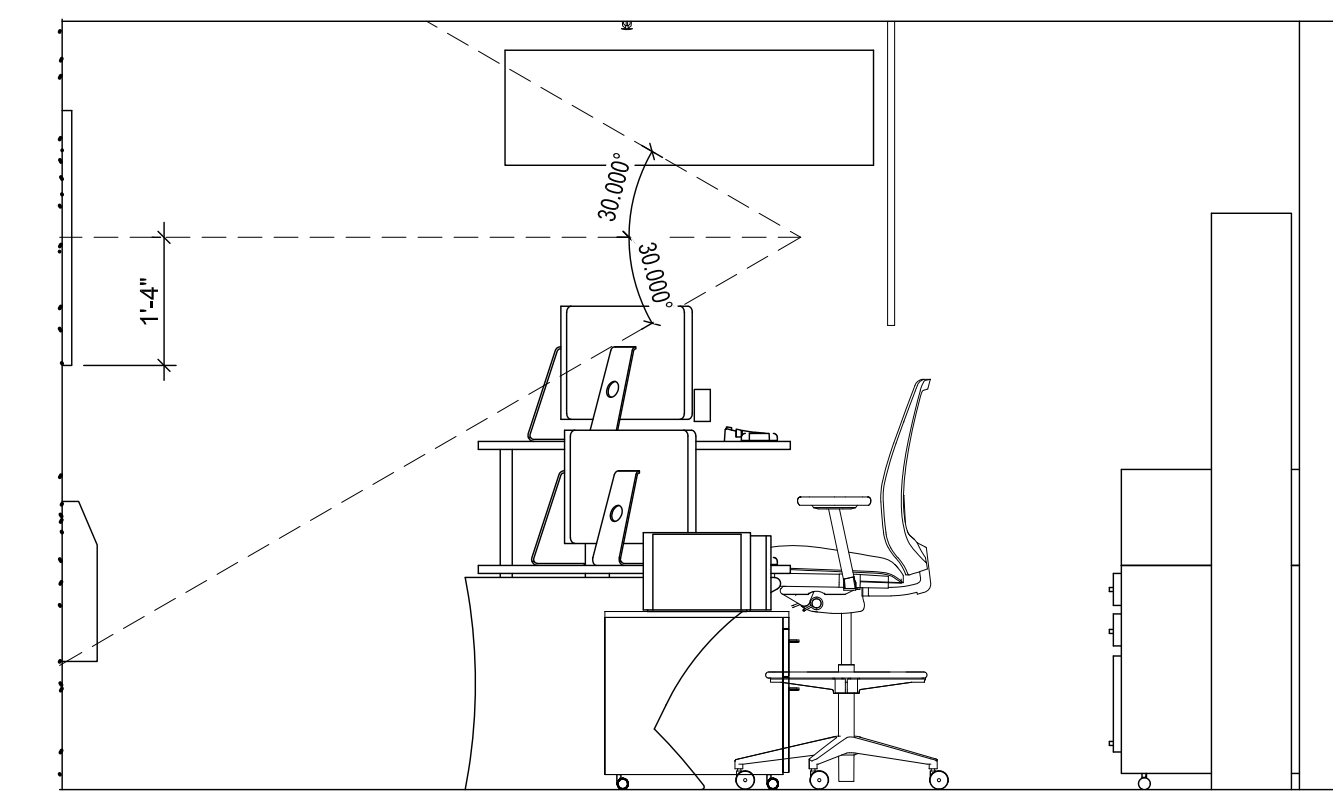
U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System



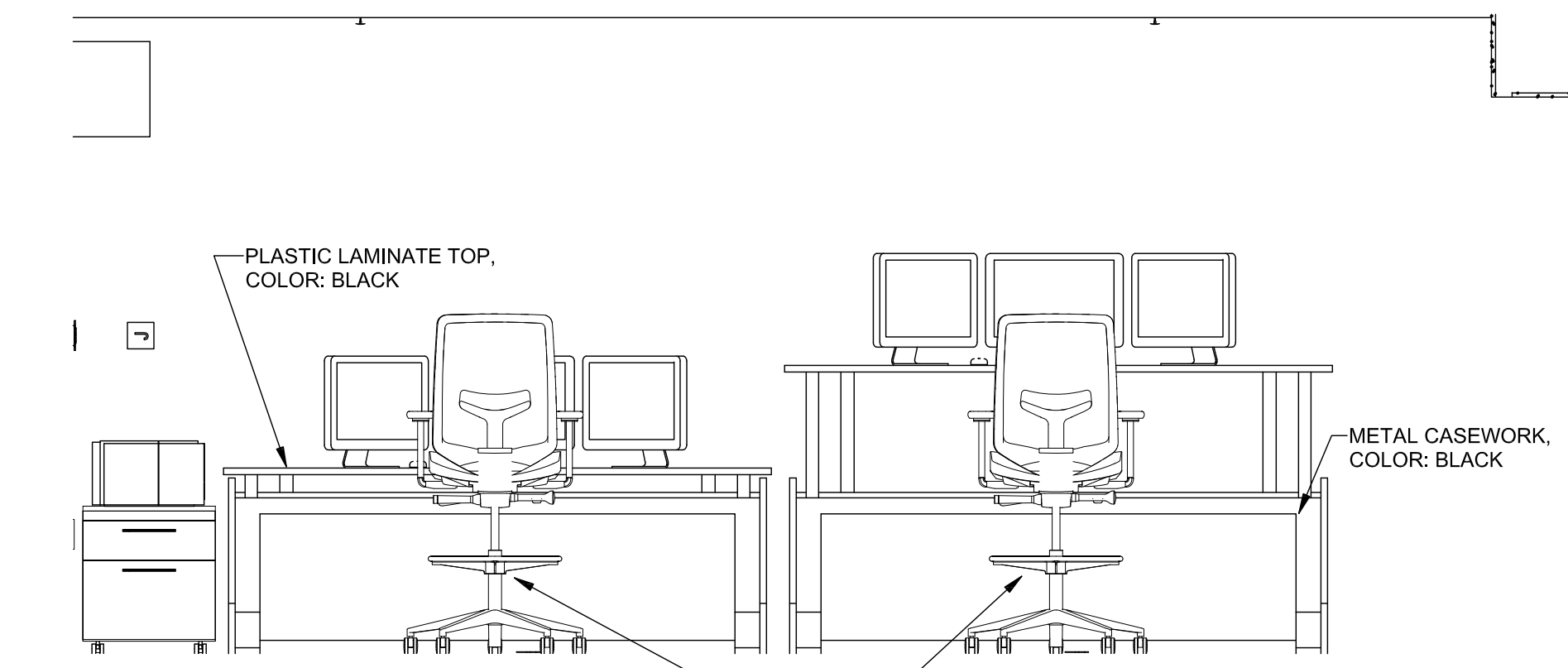
**1 PARTIAL FLOOR PLAN OF SCC - SECURITY WALLS**  
1/4" = 1'-0"



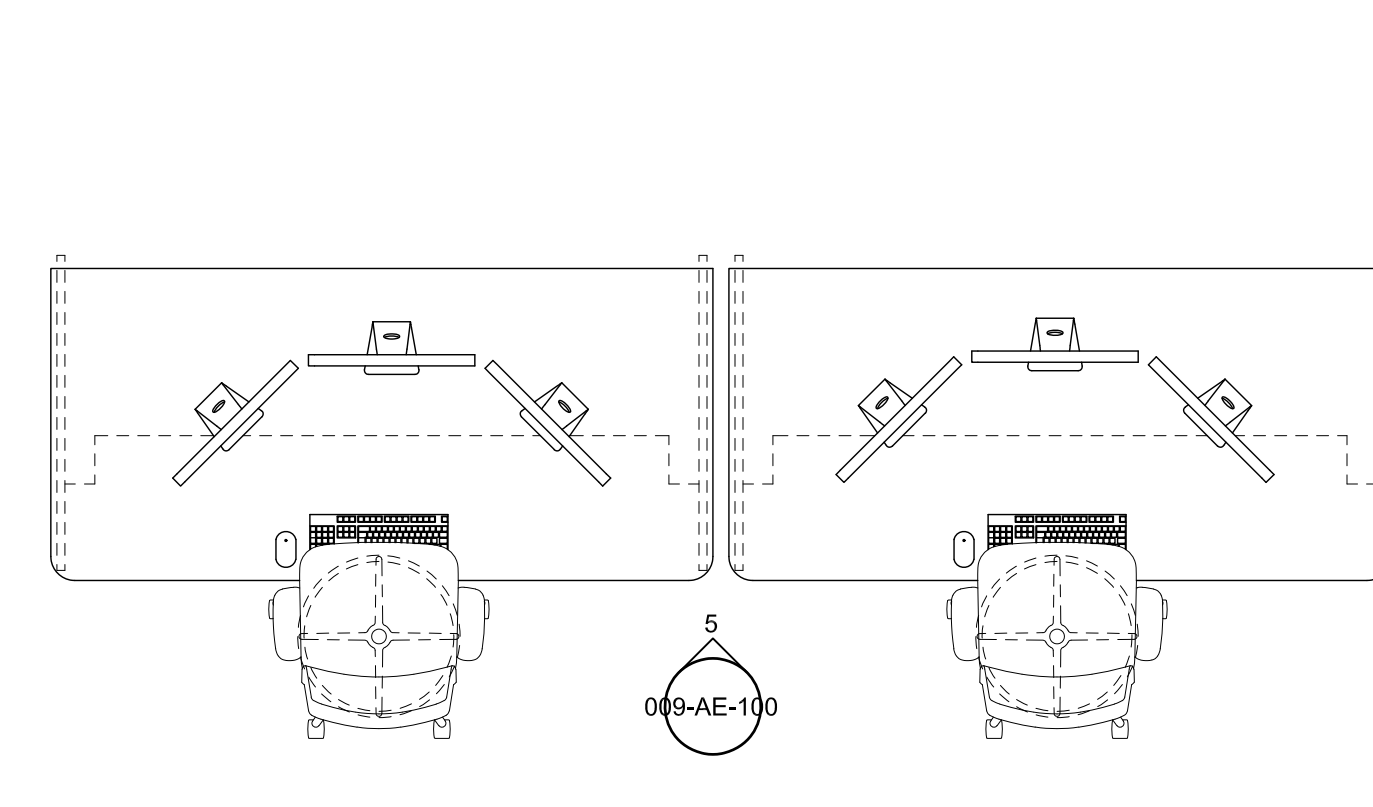
**5 INTERIOR ELEVATION - ROOM SCC 5 - WEST**  
1/2" = 1'-0"



**8 CASEWORK ELEV. NORTH**  
1/2" = 1'-0"

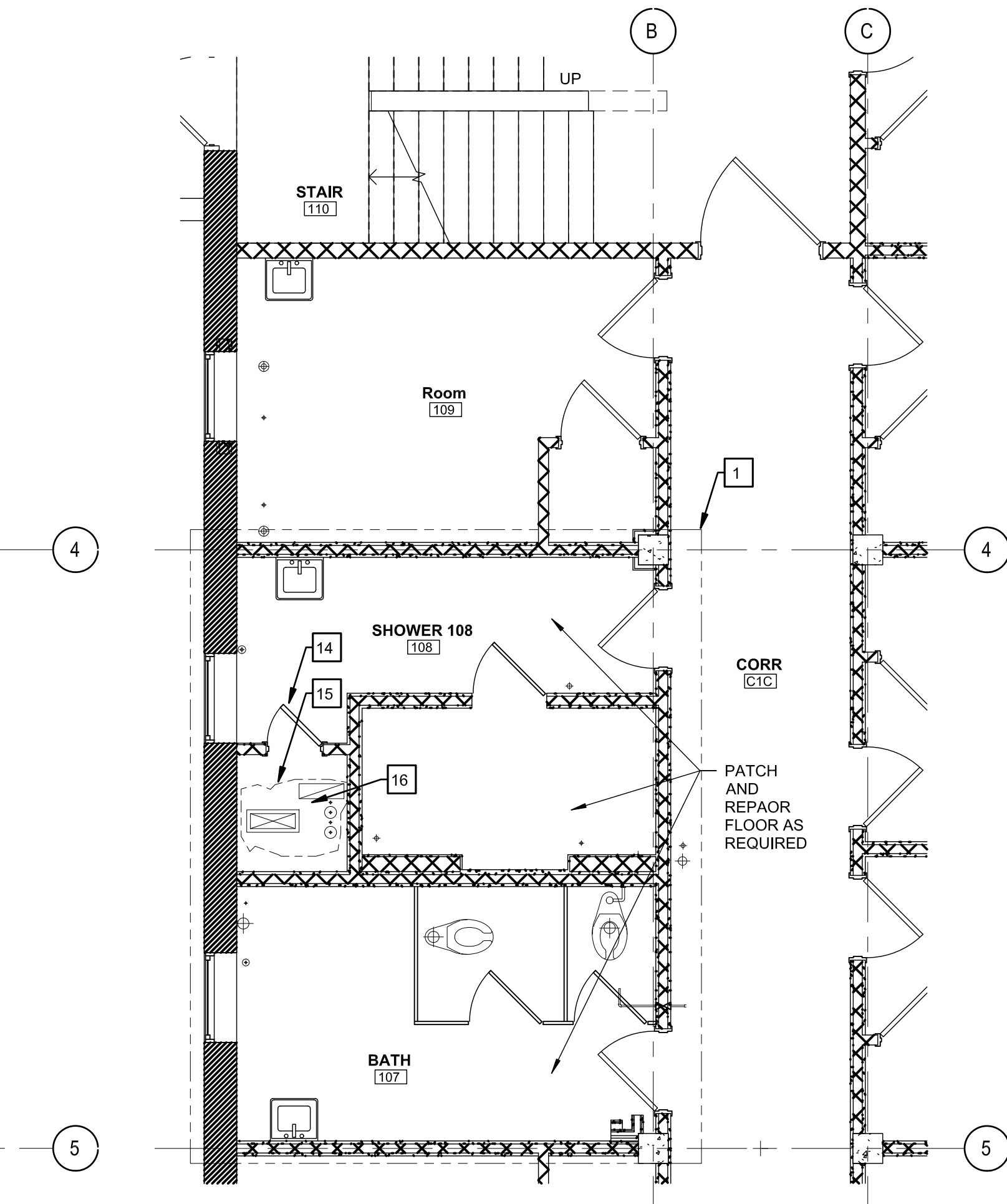


**7 CASEWORK ELEV. WEST**  
1/2" = 1'-0"

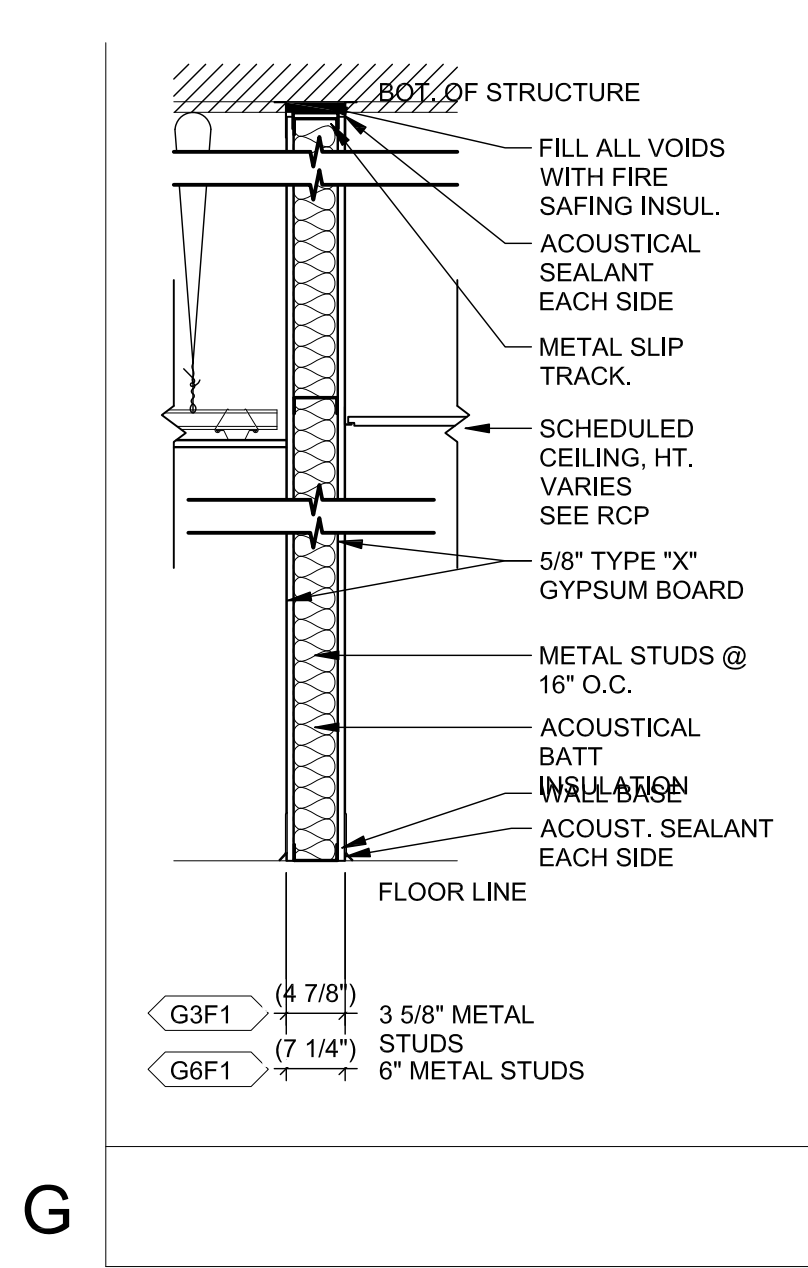


**6 PLAN - MANUFACTURED CASEWORK**  
1/2" = 1'-0"

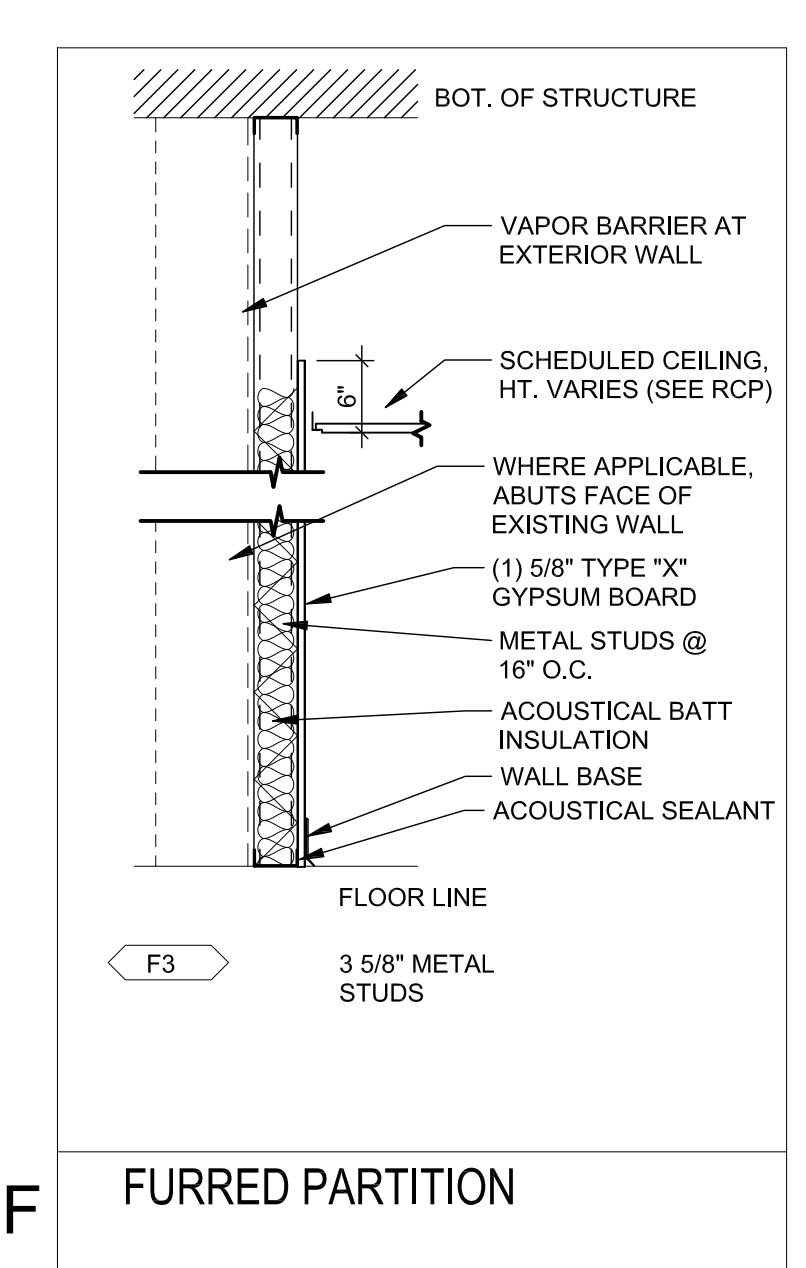
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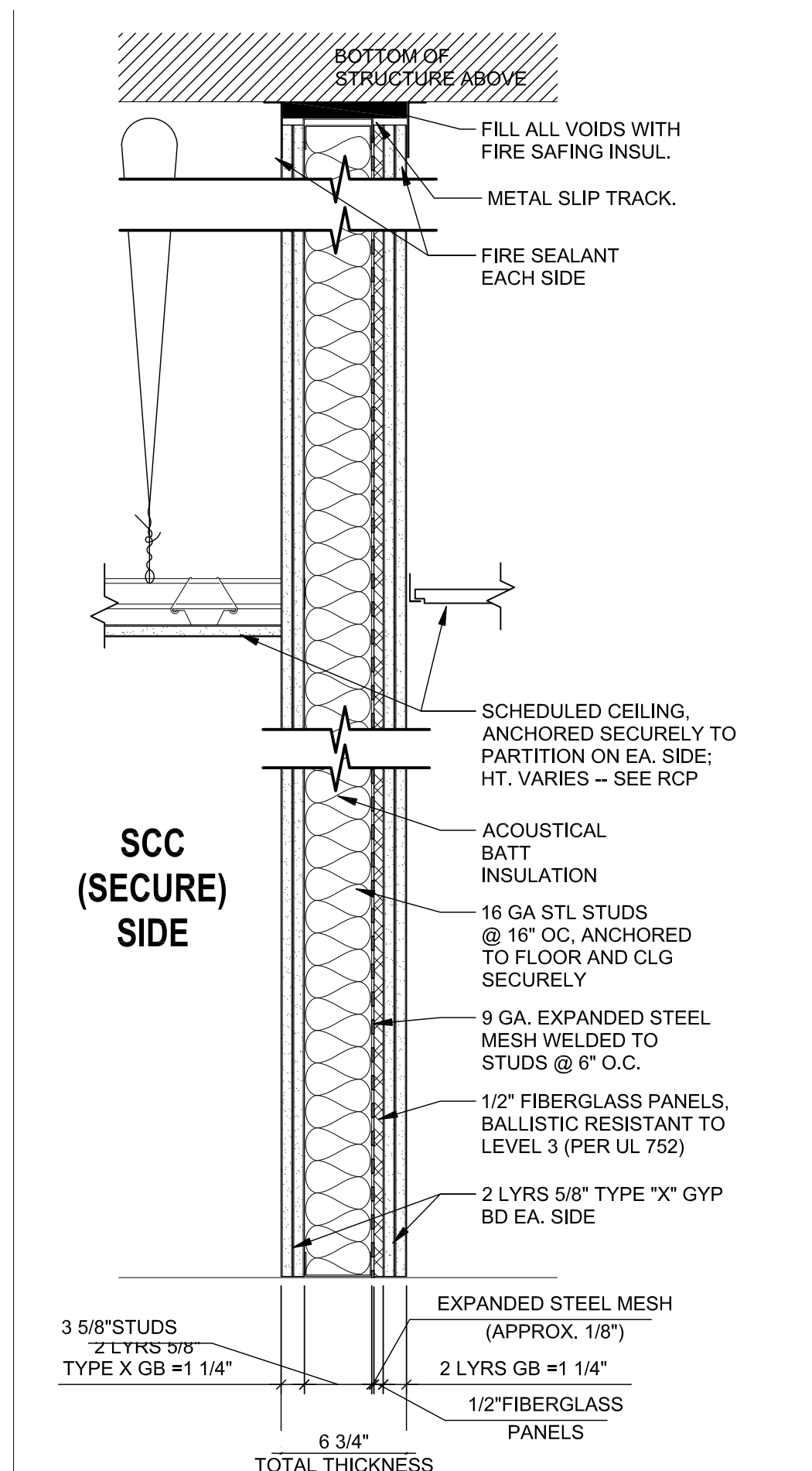
**11 PARTIAL 1ST FLOOR PLAN - NEW WORK**  
1/4" = 1'-0"



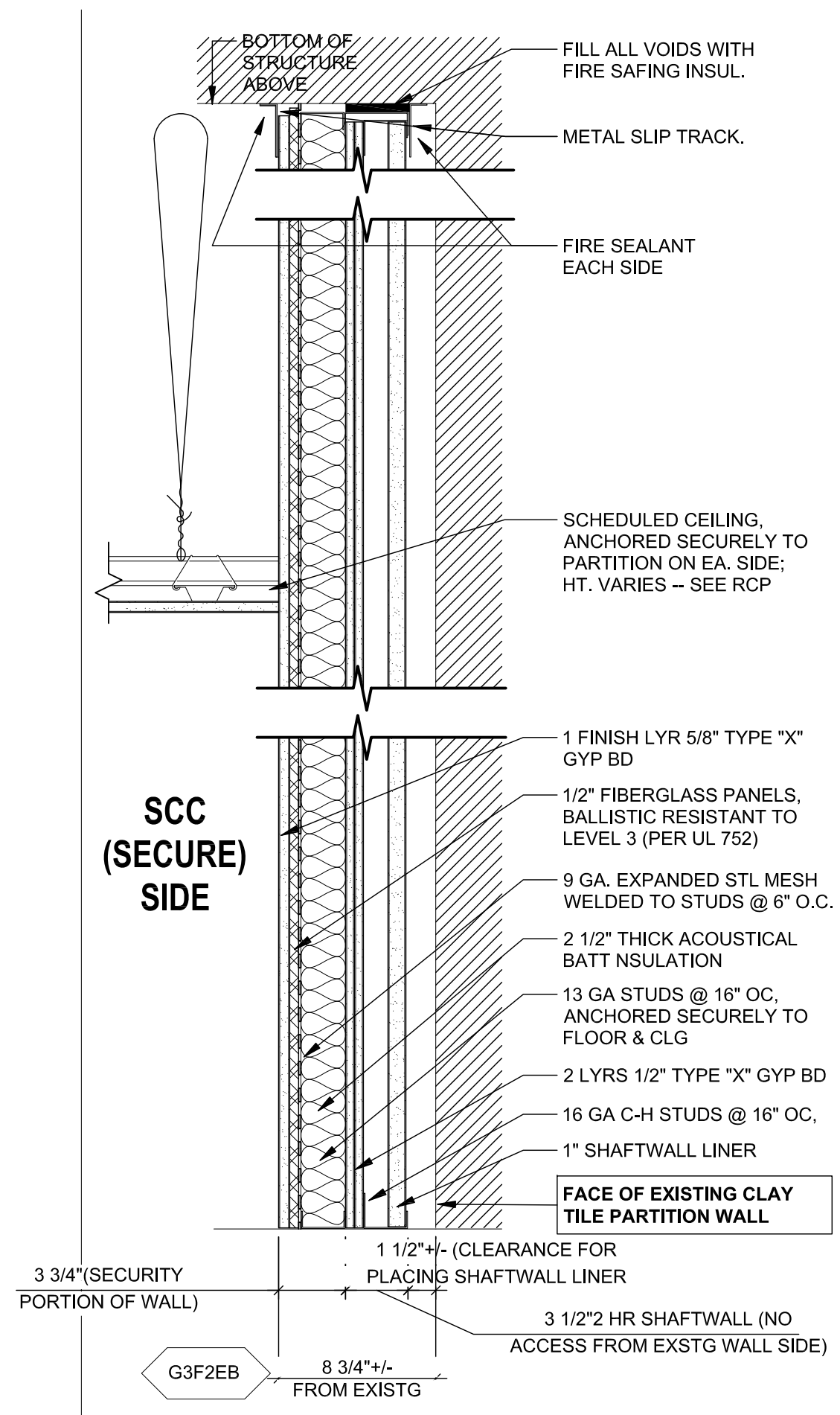
**2 PARTITION TYPES**  
3/4" = 1'-0"



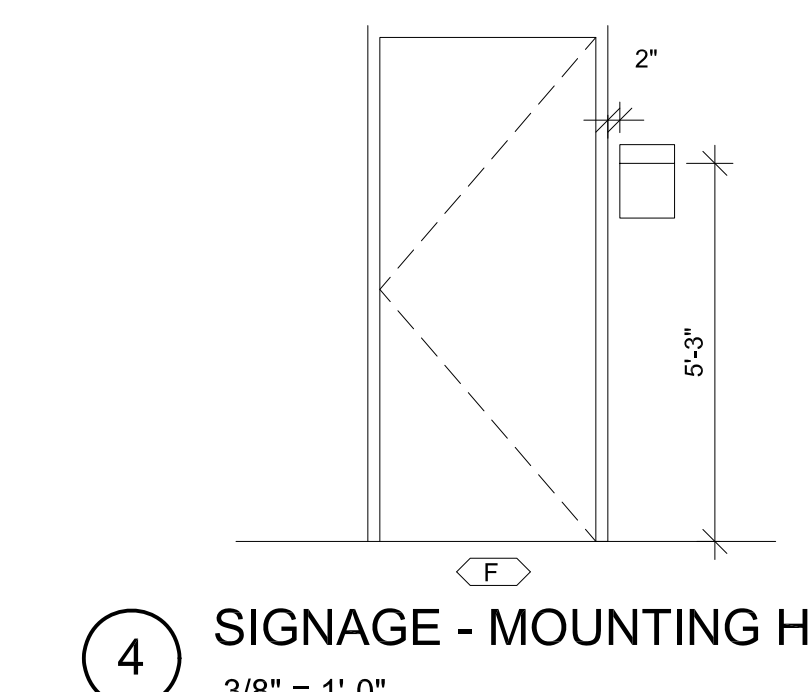
**F FURRED PARTITION**



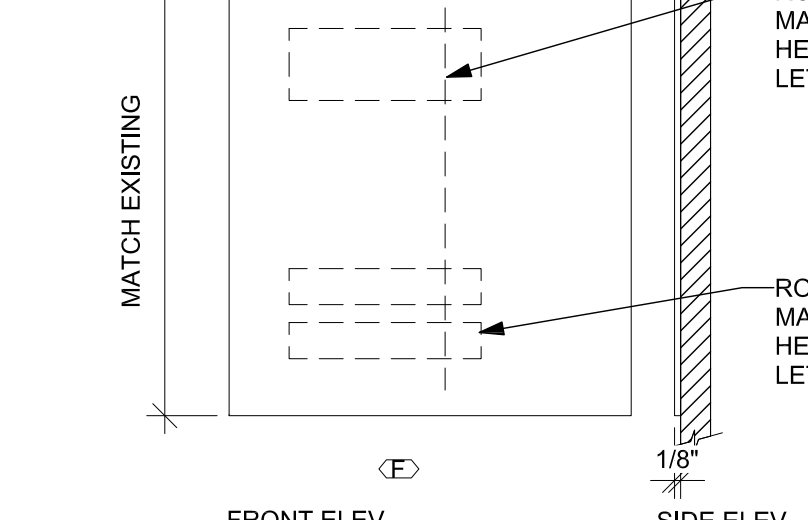
**9 G TYPE - SECURITY MESH + BALLISTIC**  
1 1/2" = 1'-0"



**10 G TYPE - SECURITY W SHAFT WALL LINER**  
1 1/2" = 1'-0"



**4 SIGNAGE - MOUNTING HT F TYPE**  
3/8" = 1'-0"



**3 SIGNAGE - TYP. SIGN**  
3" = 1'-0"

**GENERAL FLOOR PLAN NOTES**

- PROVIDE INTERIOR ROOM IDENTIFICATION AND WAYFINDING SIGNAGE PER UFC 4-510-01 DESIGN; MEDICAL MILITARY FACILITIES, SECTION 21 THROUGHOUT THE RENEWED AND ADDITION AREAS. COORDINATE REQUIREMENTS W/ OWNER'S REPRESENTATIVE.
- INSTALL CONTINUOUS JOINT SEALANT AT ALL INTERIOR CONSTRUCTION JOINT LOCATIONS (TYP).
- ALL HORIZONTAL/VERTICAL PENETRATIONS THROUGH RATED WALL, FLOOR, ROOF, AND CEILING ASSEMBLIES WILL BE FIRESTOPPED PER I.B.C. SECTION 712. ALL FIRESTOPPING MATERIAL WILL BE APPROVED BY FIRE MARSHALL.
- PROVIDE AND INSTALL ALL NECESSARY BLOCKING AT ALL WALL MOUNTED ITEMS TYPICALLY, FIRE TREATED WOOD OR 16 GA. SHEET METAL WILL BE ACCEPTABLE.
- ALL NEW WALLS INSTALLED ADJACENT TO EXISTING WALLS SHALL BE ALIGNED FLUSH WITH EXISTING, UNLESS NOTED OTHERWISE.

**FLOOR PLAN KEYNOTES**

- PROJECT LIMIT AREA
- NO DIRECT WORK THIS AREA. POSSIBLE INCIDENTAL MECHANICAL, ELECTRICAL OR PLUMBING WORK MAY OCCUR.
- PROVIDE NEW 6" CONCRETE FLOOR INFILL. DOWEL INTO EXISTING CONCRETE SLAB.
- PROVIDE NEW FLOORING AND RESILIENT BASE.
- NEW GYPSUM BOARD FURRING. PROVIDE METAL STRAP BLOCKING WHERE REQUIRED FOR PROPOSED MONITORS.
- NEW GYPSUM BOARD FURRING AROUND EXISTING PLUMBING STACK. PROVIDE REQUIRED CLEARANCES AND ACCESS PANELS.
- WINDOW TO BE REINSTALLED AFTER INFILLING FROM INSIDE FACE OF CONCRETE WITH CMU, THEN COATED WITH EFS. REINSTALLED WINDOW TO BE SET AT SAME DEPTH WITHIN OPENING TO MATCH EXISTING WINDOWS. THEN CAULKED AND PAINTED TO MATCH. EFS SHALL BE COLORED A DARK GRAY TO SIMULATE VIEW TO INTERIOR SPACES IN ADJACENT EXISTING WINDOWS.
- NEW HEAVY DOOR, FRAME AND HARDWARE.
- NEW SIGNAGE TO MATCH EXISTING TYPE, STYLE AND COLOR
- REMOVE EXISTING CLOCK FOR REUSE.
- NEW FIRE HOSE CABINET TO REPLACE EXISTING. SURROUND WITH 2 HOUR FIRE RATED CONSTRUCTION. SEE PLUMBING DRAWINGS.
- EXISTING WALL MOUNTED HEATER AND ASSOCIATED PIPING TO BE DEMOLISHED.
- PROVIDE LEVELING COMPOUND FLUSH WITH EXISTING CORRIDOR.
- EXISTING ACCESS DOOR INTO SHAFT FROM WITHIN TILE WALL IN BATHROOM.
- INFILL CONCRETE SLAB INSIDE ROUGH OPENING WITHIN SHAFT, TO FIT WITH ROUGHLY 3/4" GAP AROUND DUCTS & PIPES. MATCH EXISTING CONSTRUCTION AND THICKNESS, AND DOWEL INTO EXISTING SLAB USING #4 BARS WITH 1" EMBEDMENT @ 8" O.C. MIN 2 PER SIDE OF RECTANGULAR INFILL. INSTALL FIRE-RATED INTUMESCENT FIRE SAFING AROUND OPENING, WITH FIRE RATED CAULK. (SEE MECHANICAL FOR DETAIL OF MANGAR BARRIER AND FIRE DAMPER AT THIS OPENING.)
- ALL NEW FLOOR PENETRATIONS TO MATCH THE EXISTING 2 HR. RATED ASSEMBLY.
- TEMPORARY CONSTRUCTION PARTITION, CONTRACTOR TO COORDINATE THE TIMING OF INSTALLING WALLS/DOORS ON NORTH AND SOUTH ENDS OF THE CORRIDOR WITH COR.

**PARTITION NOTES**

- USE TYPE "X" GYP. BD. @ ALL PARTITIONS
- ALL GYP. BD. IS TO BE MOLD AND MOISTURE RESISTANT TYPE (TYP.), IN ADDITION TO INDICATED REQUIREMENTS.

**PARTITION TYPE LEGEND**

PARTITION TYPE	DESCRIPTION
C	CHASE / CAVITY
E	EXTERIOR WALL FURRING
F	NON-COMBUSTIBLE FURRED PARTITION W/ INSUL.
G	GWB PARTITION W/ INSULATION
L	LEAD-LINED
M	MASONRY
S	SHAFT WALL

**MATERIALS**

- 1 5/8" METAL STUDS + 1/2" GWB
- 2 1/2" METAL STUDS + 5/8" GWB
- 3 5/8" METAL STUDS + 5/8" GWB
- 3 5/8" METAL STUDS + 1/2" GWB (2 LAYERS) + 5/8" GWB
- 3 5/8" METAL STUDS + 1/2" GWB
- 6" METAL STUDS + 5/8" GWB
- 3 5/8" METAL STUDS + 5/8" GWB + 5/8" CEMENT BACKER BD.
- 8" CONCRETE MASONRY UNIT
- 10" THICKNESS FROM GWB TO GWB
- 12" CONCRETE MASONRY UNIT
- 15" THICKNESS FROM GWB TO GWB
- 15" THICKNESS FROM GWB TO GWB

**FIRE / SMOKE PROTECTION**

B SMOKE BARRIER  
F FIRE RATED PARTITION  
S SMOKE PARTITION  
- NOT APPLICABLE

**FIRE RESISTANCE RATING**

- (1) ONE HOUR RATING
- (2) TWO HOUR RATING
- (3) THREE HOUR RATING
- (4) FOUR HOUR RATING
- NOT APPLICABLE

**SPECIAL CONDITIONS**

A STC RATED - REFER TO PARTN TYPE FOR RATING  
P PSYCHIATRIC  
E FORCED ENTRY  
B BALLISTIC RESISTANT TO LEVEL 3

**GENERAL SIGNAGE NOTES**

- REFER TO ARCHITECTURAL 1/4" PLANS FOR PARTITION TYPES.
- ALL TYPOGRAPHY TO BE HELVETICA MEDIUM
- SIGNS TO BE MEDIUM BRONZE BACKGROUND WITH WHITE LETTERING, TYP.
- ALL SIGNS TO USE SLIDING RAIL COMPONENT SYSTEM.
- ALL SIGNS TO BE MOUNTED WITH DOUBLE SIDED FOAM TAPE, SILASTIC ADHESIVE OR SCREW.
- ALL SIGNS TO BE MOUNTED ON LATCH SIDE OF DOOR, 5'-4" TO TOP OF SIGN AND 2" CLEAR FROM DOOR FRAME UNLESS NOTED OTHERWISE.
- ALL SIGNAGE COPY TO BE DETERMINED BY FACILITIES.

**SIGNAGE KEY**

F	TYP. ROOM IDENTIFICATION SIGN
---	-------------------------------

**SIGNAGE SCHEDULE**

NUMBER	ROOM	NAME	SIGN	COMMENTS

**CONSTRUCTION SET**

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	DRAWING TITLE: BLDG 009 BASEMENT LEVEL FLOOR PLAN	PROJECT TITLE: Upgrade Surveillance and Duesess Security System Campus Wide	SCALE: AS SHOWN	PROJECT NUMBER: M66-18-293	 <b>U.S. Department of Veterans Affairs</b> Veterans Health Administration St. Cloud VA Health Care System 4891 Veterans Drive St. Cloud, MN 56303 DWG. 6 OF 68
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: CHIEF OF STAFF	DATE:	
APPROVED: DIRECTOR	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: CHIEF OF POLICE	DATE:	

**REFLECTED CEILING PLAN LEGEND**

	GYP. BD. CEILING		24"x48" LAY-IN FLUORESCENT
	LIQUID GLAZED GYP. BD. CEILING		STRIP FIXTURE
	24"x24" SUSPENDED ACOUSTICAL CEILING		RECESSED FIXTURE
	CUBICLE CURTAIN TRACK		WIRELESS ACCESS POINT
	CEILING HEIGHT		EXIT LIGHT
	ACCESS PANEL		MECH. RETURN AIR DIFFUSER
	DOME CAMERA - MOUNTED		MECH SUPPLY AIR DIFFUSER

**LUMINAIRES**

	NO SHADING: NORMAL POWER		LIFE SAFETY OR BATTERY
	HALF-SHADING: BACKUP		CRITICAL POWER

**SWITCHES & LIGHTING CONTROL DEVICES**

	CEILING OCCUPANCY DETECTOR : INFRARED SENSOR TYPE.
	CEILING OCCUPANCY DETECTOR : ULTRASONIC TYPE.
	CEILING OCCUPANCY DETECTOR : DUAL TECHNOLOGY TYPE.
	WALL MOUNTED SINGLE SWITCH OCCUPANCY SENSOR [PIR] [ULTRASONIC][DUAL TECHNOLOGY] TYPE.
	WALL MOUNTED DUAL SWITCH OCCUPANCY SENSOR [PIR][ULTRASONIC] [DUAL TECHNOLOGY] TYPE.

**FIRE ALARM SYSTEMS**

	FIRE ALARM MANUAL STATION: 48" A.F.F. TO CENTER LINE
	WALL MOUNTED [HORN/BELL/SPEAKER/CHIME]
	WALL MOUNTED [HORN/BELL/SPEAKER/CHIME] WITH STROBE
	WALL MOUNTED STROBE
	CEILING MOUNTED [HORN/BELL/SPEAKER/CHIME] WITH STROBE
	CEILING MOUNTED WITH STROBE
	CEILING MOUNTED [HORN/BELL/SPEAKER/CHIME]
	HEAT DETECTOR : FIXED TEMPERATURE
	HEAT DETECTOR : RATE OF RISE
	SMOKE DETECTOR : PHOTOELECTRIC TYPE.
	SINGLE STATION SMOKE DETECTOR WITH SOUNDER BASE
	FIRE ALARM ELECTROMAGNETIC DOOR HOLDER

**PUBLIC ADDRESS SYSTEMS**

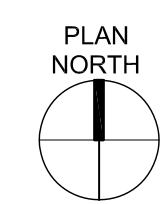
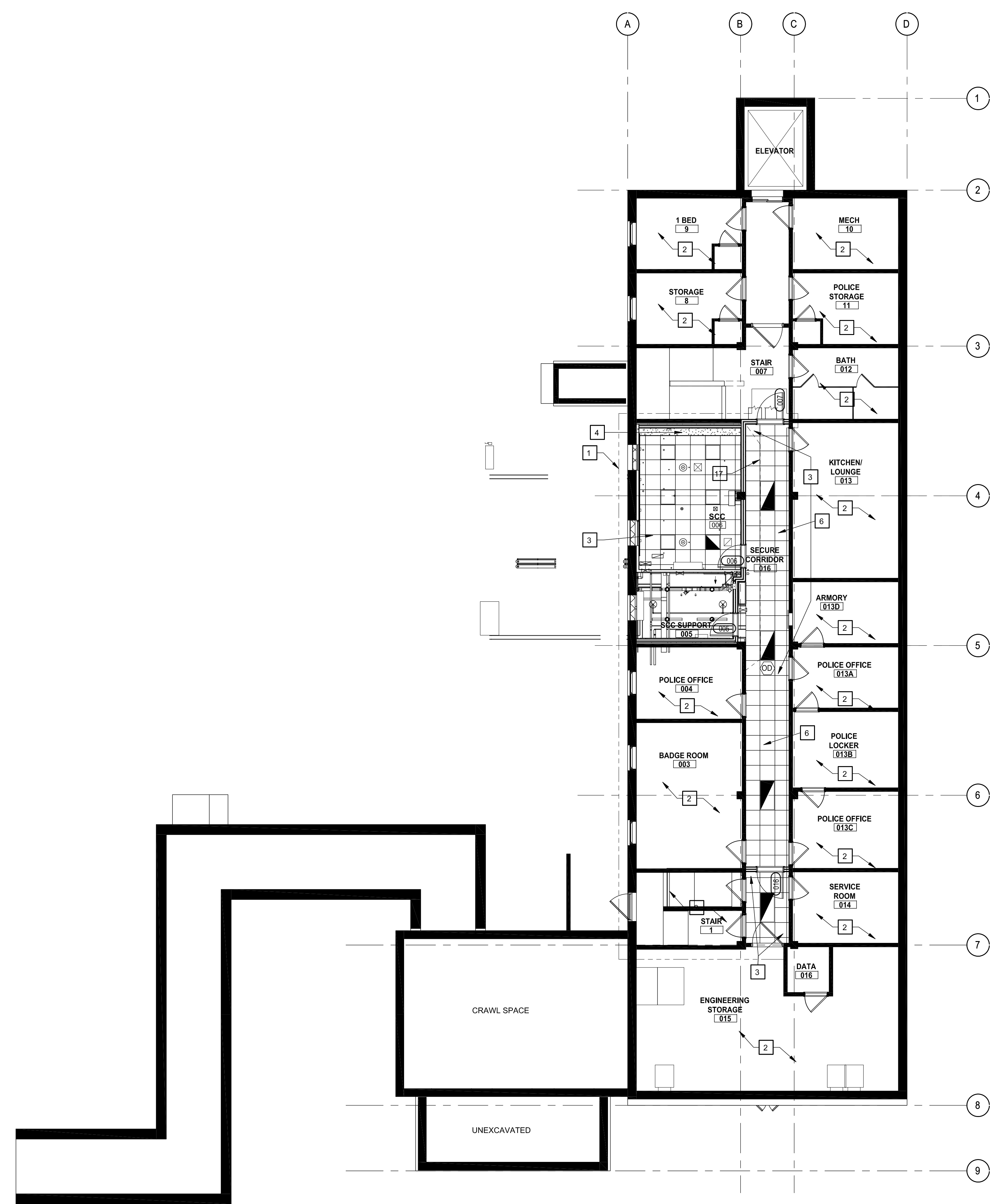
	SPEAKER : CEILING
	SPEAKER : WALL MOUNTED 7'-0" OR AS NOTED.

**GENERAL REFLECTED CEILING PLAN NOTES**

- A. ALL BULKHEAD/SOFFIT HEIGHTS ARE X'-X" UNLESS NOTED OTHERWISE.
- B. ALL TRADES WILL PARTICIPATE IN A COORDINATION MEETING PRIOR TO ANY INSTALLATION OF ABOVE CEILING SYSTEMS, SERVICES, EQUIPMENT, ETC. DURING THE SHOP DRAWING PHASE.
- C. REFER TO THE PROJECT MANUAL AND THE FIRE PROTECTION PLANS FOR THE LOCATION OF THE SPRINKLER HEADS IN A BULKHEAD OR SOFFIT WITHOUT FIRST COORDINATING THE LOCATION WITH THE ARCHITECT.
- D. THE REFLECTED CEILING PLANS DO NOT INDICATE THE LIGHTING LAYOUT IN AREAS WITHOUT CEILING FINISHES. REFER TO THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- E. REFER TO THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED SERVICES.
- F. ALL CEILING MOUNTED SPRINKLER HEADS, DETECTORS, LIGHT FIXTURES, EXIT LIGHTS ETC WILL BE INSTALLED IN THE CENTER OF THE CEILING PANEL. REFER TO THE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- G. REFER TO THE DEMOLITION PLANS FOR LOCATION OF EXISTING CEILINGS TO BE REMOVED.
- H. ALL CEILING HEIGHTS 8'-0" UNLESS NOTED OTHERWISE.
- I. PORTION OF PLAN SHOWN HATCHED INDICATES APPROXIMATE AREA WHERE MECHANICAL/PLUMBING WORK OCCURS. EXISTING CEILINGS TO BE REMOVED AS REQUIRED FOR MECHANICAL/PLUMBING WORK. REINSTALL CEILINGS AFTER MECHANICAL/PLUMBING WORK IS COMPLETED. AT GYP. BD./PLASTER CEILING LOCATIONS, PATCH AFFECTED AREAS TO MATCH EXISTING ADJACENT CONSTRUCTION AND FINISHES. SEE MECHANICAL/PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- J. COORDINATE CEILING INSTALLATION SO THAT BUSINESS OPERATIONS ARE NOT AFFECTED.

**CEILING PLAN KEYNOTES**

1. PROJECT LIMIT AREA
2. NO DIRECT WORK THIS AREA. POSSIBLE INCIDENTAL MECHANICAL, ELECTRICAL OR PLUMBING WORK MAY OCCUR.
3. NEW 2'X2' LAY-IN CEILING GRID AND ACOUSTICAL TILES.
4. NEW GYPBOARD ON METAL STUD SOFFIT, AT MIN. 7'-0" A.F.F. WIDTH OF SOFFIT MIN. TO COMFORTABLY ENCLOSE EXISTING PIPES.
5. FILL IN NEW ACOUSTICAL CEILING TILES WHERE NEEDED TO MATCH EXISTING IN LOCATIONS WHERE EXISTING LIGHTS HAVE BEEN REMOVED.
6. REINSTALL SALVAGED CEILING MOUNTED DEVICES.



**1 BASEMENT REFLECTED CEILING PLAN**  
1/8" = 1'-0"

NO	REVISION	DATE

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	DRAWING TITLE: BLDG 009 BASEMENT LEVEL REFLECTED CEILING PLAN
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: CHIEF OF STAFF	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR

PROJECT TITLE: Upgrade Surveillance and Duesess Security System Campus Wide	PROJECT NO: 0656-16-293	BUILDINGS: 009	CHECKED BY: XXX	DRAWN: XXX
LOCATION: Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303	DRAWING NO: 009-AC-110	DWG. 7	OF 68	

**CONSTRUCTION SET**



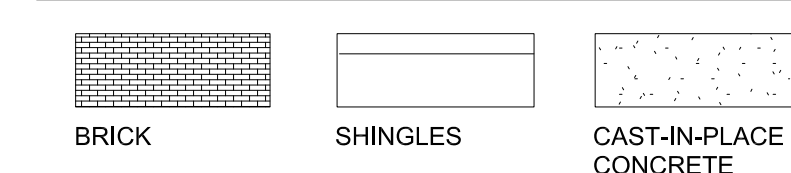
**GENERAL ELEVATION NOTES**

1. EXTERIOR GRADES AND SLOPES ARE APPROXIMATED.
2. IRRELEVANT SITE ELEMENTS HAVE NOT BEEN INCLUDED FOR CLARITY OF EXTERIOR BUILDING MODIFICATIONS, WHICH ARE LIMITED TO THE LOWER LEVEL WINDOWS AS NOTED.
3. ALL PENETRATIONS IN THE EXTERIOR WALL ARE TO BE CENTERED ON GROUT JOINTS.

# EXTERIOR ELEVATION KEYNOTES

1. WINDOW TO BE REINSTALLED AFTER INFILLING FROM INSIDE FACE OF CONCRETE FOUNDATION WALL. WINDOW OPENING RECESSED WITH CMU, THEN COATED WITH EFS. REINSTALLED WINDOW TO BE SET AT SAME DEPTH WITHIN OPENING TO MATCH EXISTING WINDOWS. THEN CAULKED AND PAINTED TO MATCH. EFS SHALL BE COLORED A DARK GRAY TO SIMULATE VIEW TO INTERIOR SPACES IN ADJACENT EXISTING WINDOWS.

**MATERIAL LEGEND**



4 WEST EXTERIOR ELEVATION WITH PROPOSED CHANGES  
1/8" = 1'-0"

NO	REVISION	DATE

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: CHIEF OF STAFF	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: SAFETY MANAGER	DATE:		
APPROVED: DIRECTOR PMS	DATE:						

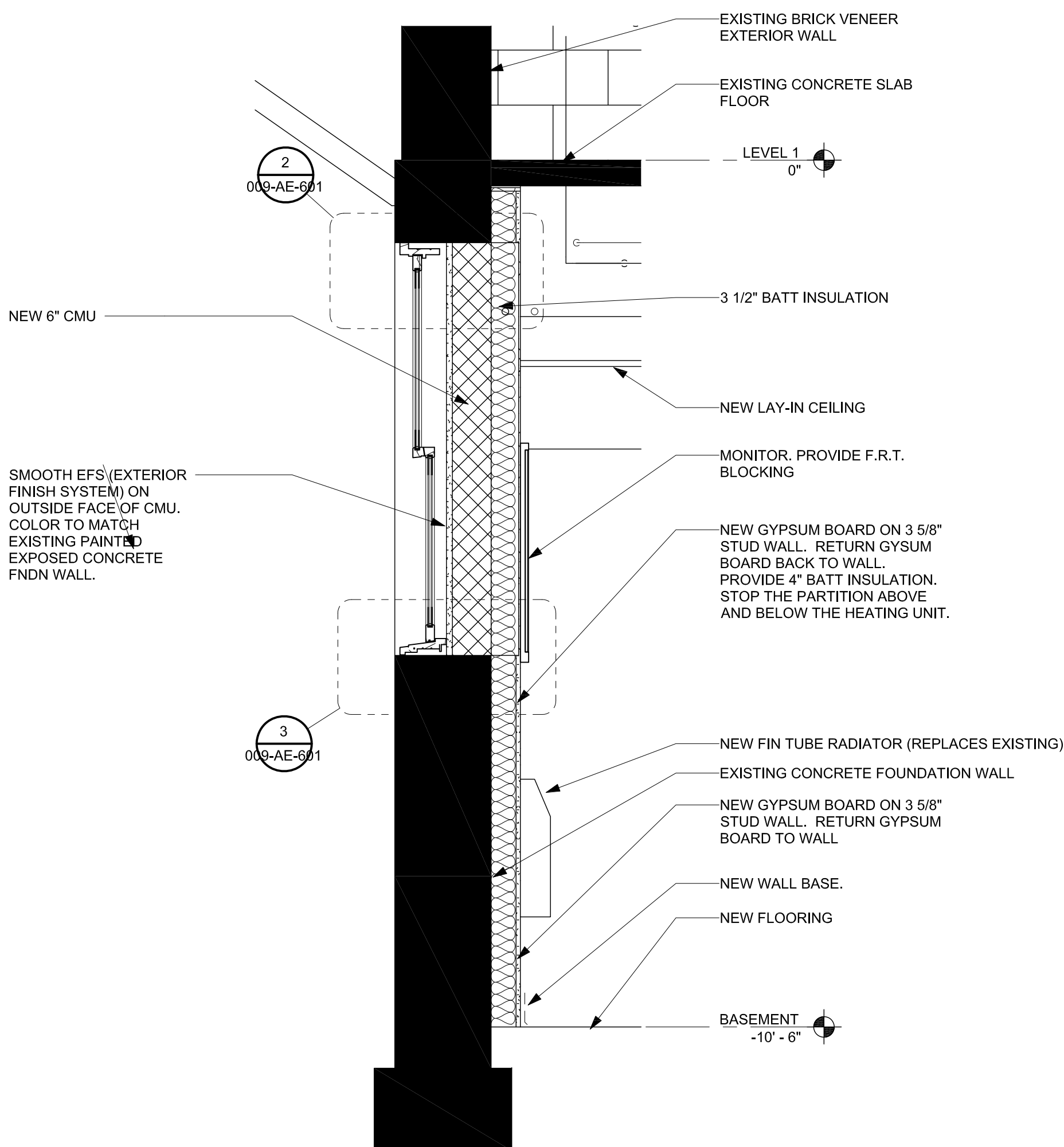
DRAWING: BLDG 009 EXTERIOR BUILDING ELEVATIONS			PROJECT TITLE: Upgrade Surveillance and Duesess Security System Campus Wide
BUILDING: 009	CHECKED BY: XXX	DRAWN: XXX	PROJECT: M666-18-283
LOCATION: Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303			DRAWING: 909-AE-201 DWG. 8 OF 68

**CONSTRUCTION SET**

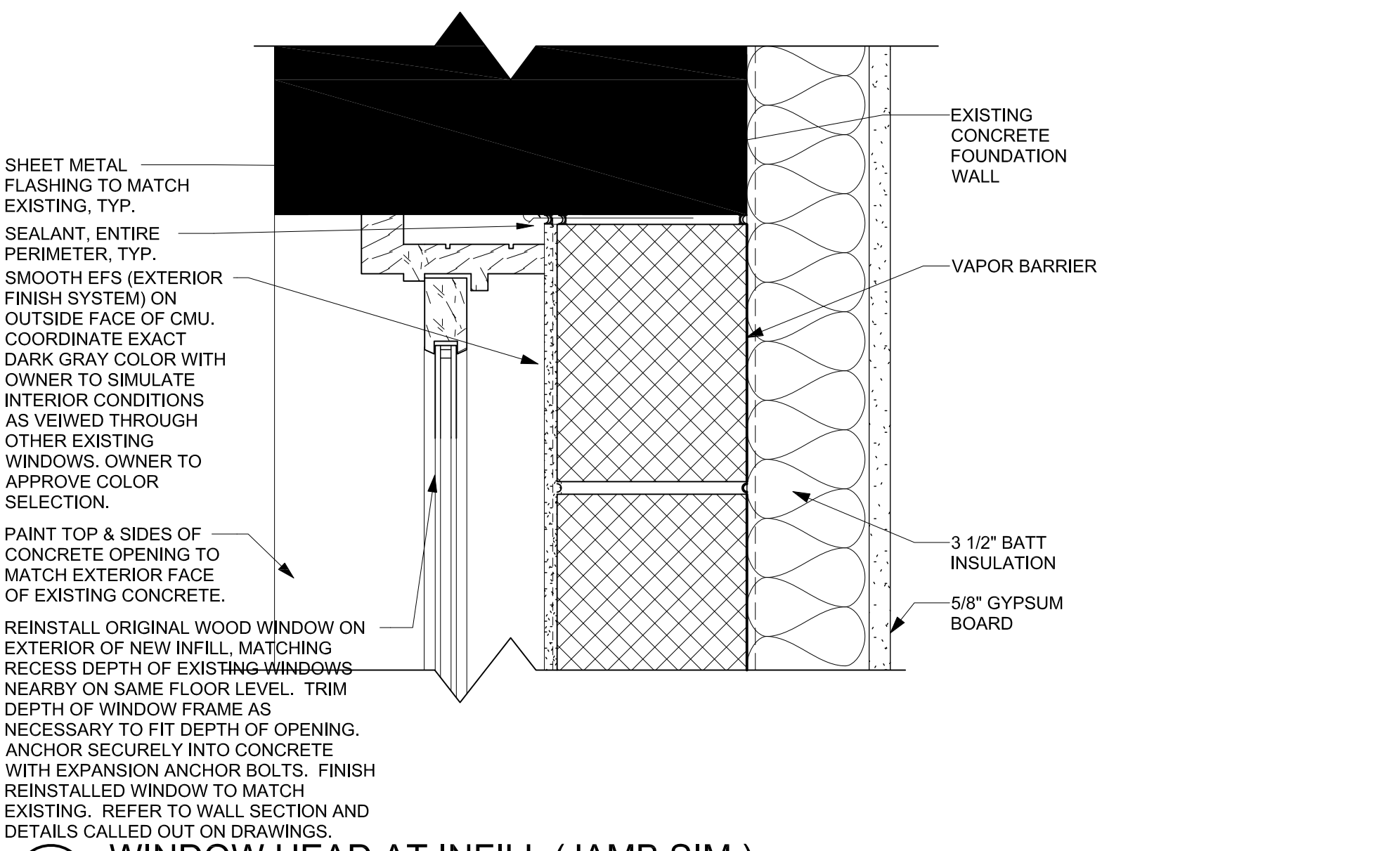
**VA**

U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System

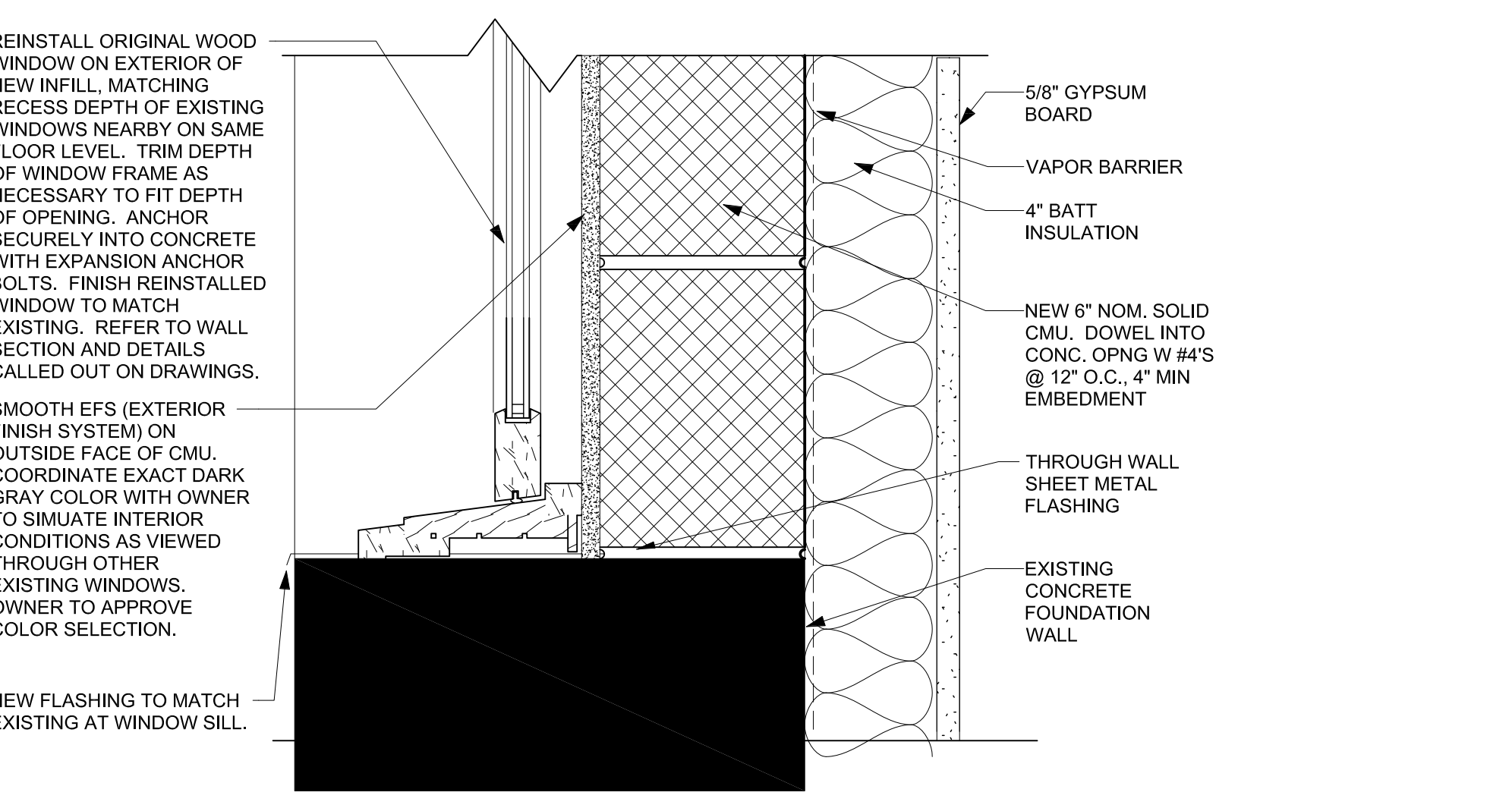




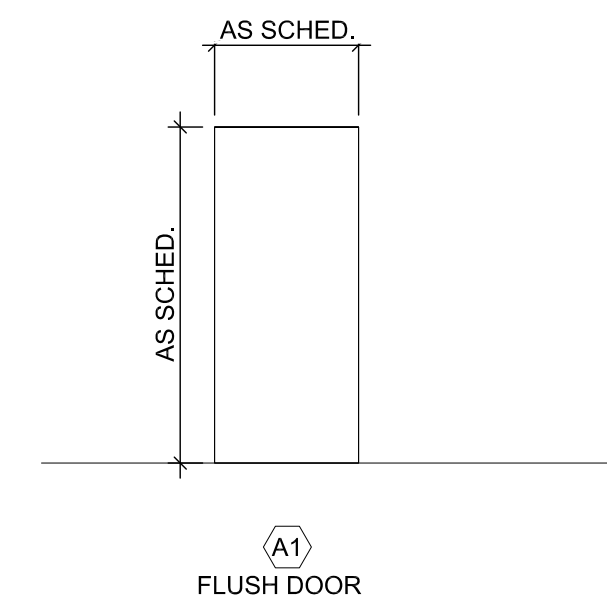
1 WALL SECTION THROUGH EXISTING WINDOW INFILL  
3/4" = 1'-0"



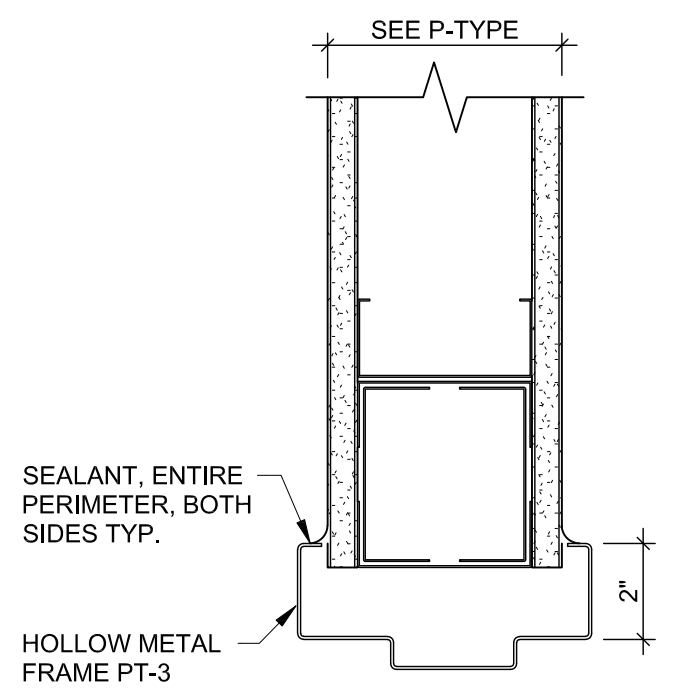
2 WINDOW HEAD AT INFILL (JAMB SIM.)  
3" = 1'-0"



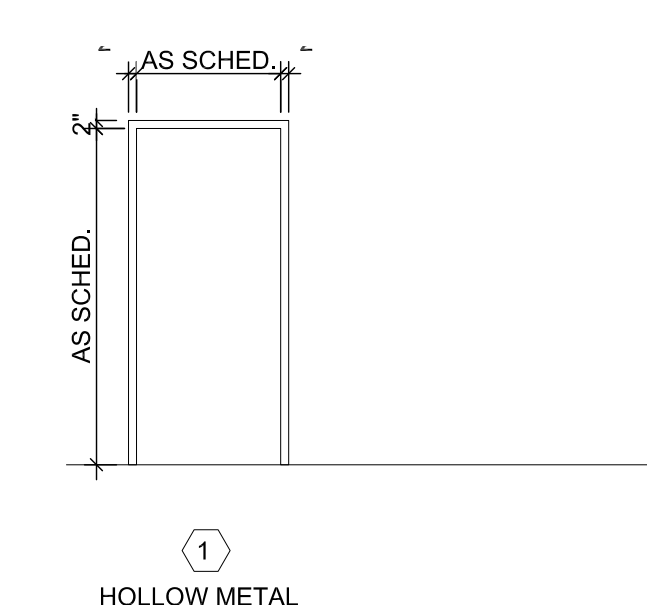
3 WINDOW SILL AT INFILL  
3" = 1'-0"



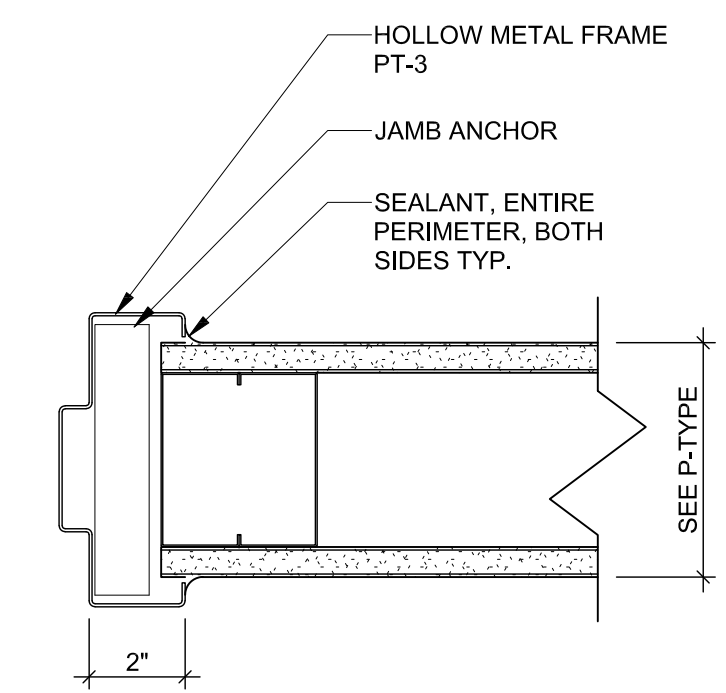
D1 DOOR TYPES  
1/4" = 1'-0"



H1 HEAD DETAIL - TYPICAL  
AT STANDARD PTN



F2 DOOR FRAME TYPES  
1/4" = 1'-0"



J1 JAMB DETAIL - TYPICAL  
AT STANDARD PTN

DOOR SCHEDULE													
NO.	PAIR	DOOR					FRAME			FIRE RATING	HARDWARE GROUP	NOTES	
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL				FINISH
005		3'-0"	7'-0"	1 3/4"	F	HM	PT-3	1	HM	PT-3	90 MIN	HW-2	DUAL AUTHENTICATION CARD READER
006		3'-0"	7'-0"	1 3/4"	F	HM	PT-3	1	HM	PT-3	90 MIN	HW-2	DUAL AUTHENTICATION CARD READER
007		3'-6"	7'-0"	1 3/4"	F	HM	PT-3	1	HM	PT-3	90 MIN	HW-1	DUAL AUTHENTICATION CARD READER
016		3'-6"	7'-0"	1 3/4"	F	HM	PT-3	1	HM	PT-3	90 MIN	HW-1	DUAL AUTHENTICATION CARD READER
Grand total: 4													

DOOR SCHEDULE KEYED NOTES

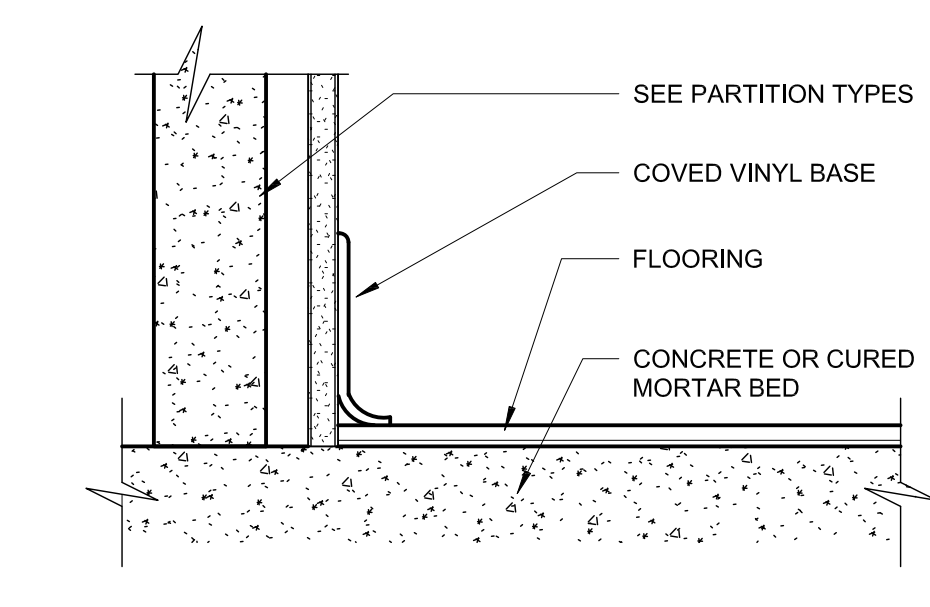
- ALL DOORS TO BE EXTRA HEAVY DUTY HIGH SECURITY DOORS AND FRAMES.

DOOR GENERAL NOTES

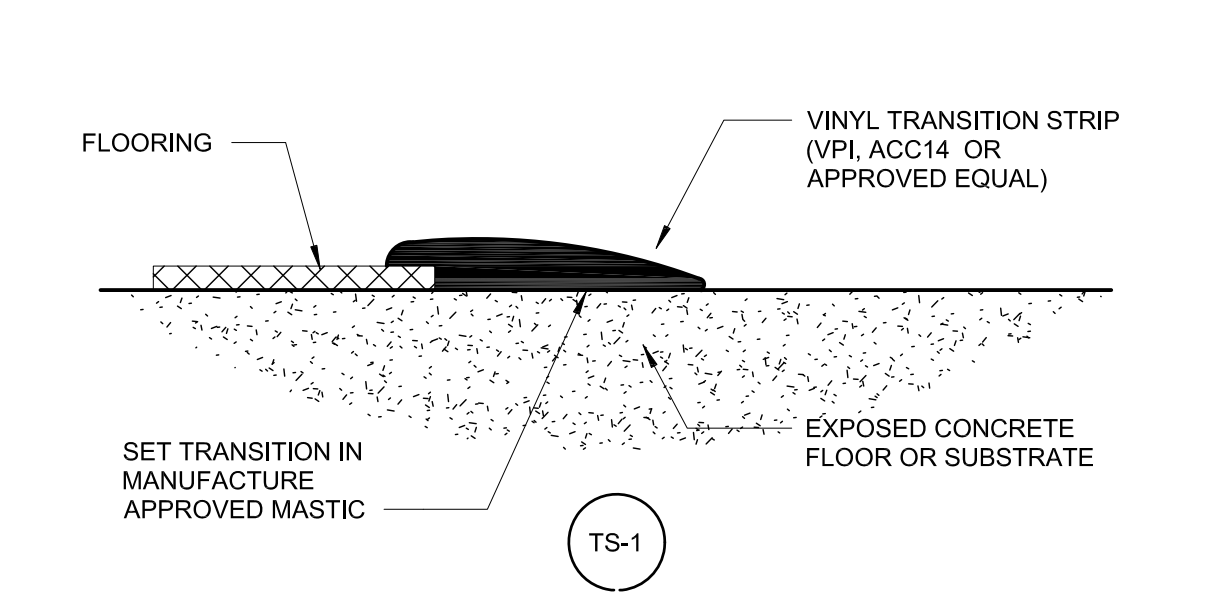
- FIELD VERIFY ALL EXISTING DOOR OPENINGS.
- ALL METAL DOORS TO BE 1 3/4" HOLLOW METAL (STEEL).
- ALL WOOD DOORS TO BE 1 3/4" SOLID CORE WOOD.
- SEE SCHEDULE FOR DOOR MATERIALS AND SPECIAL CONDITIONS SUCH AS VISION PANELS, LOUVERS, REQUIRED U.L. LABELS, ETC.
- SEE SPECS FOR DESCRIPTION OF HARDWARE GROUPS.
- COORDINATE ALL ELECTRIC LATCHES AND CARD READERS WITH CARD ACCESS VENDOR. SEE DOOR HARDWARE SPECIFICATIONS

ROOM FINISH SCHEDULE									
NO.	ROOM NAME	FLOOR		WALLS				CEILING	COMMENTS
		FL.	BASE	N	E	S	W		
005	SCC SUPPORT	SCF-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	EXPOSED CEILING
006	SCC	SCF-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
016	SECURE CORRIDOR	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
017	CORRIDOR	VCT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	

MATERIAL FINISH LEGEND							
SYMBOL	MATERIAL	MANUF.	STYLE	STYLE NUMBER	COLOR	SIZE	COMMENTS
ACT-1	ACOUSTICAL CEILING TILE	USG	RADAR	2110	WHITE	24"x24"x5/8"	GRID: DONN DX, EDGE: SQUARE
TS-1	FLOORING TRANSITION STRIP	VPI	REDUCER	ACC14	FAWN	1'-5/8" W	
PT-1	PAINT	BENJAMIN MOORE	ECO SPEC	962	GREY MIST	-	TYP. WALL PAINT, EGGSHELL
PT-2	PAINT	BENJAMIN MOORE	ECO SPEC	962	GREY MIST	-	CEILING PAINT, FLAT
PT-3	PAINT	BENJAMIN MOORE	SUPER SPEC, 60-LOW LUSTRE	P24	BURNT TONE	-	DOOR PAINT, SEMI GLOSS
RB-1	RUBBER WALL BASE	VPI	COVED WALL BASE	-	FAWN	4"H	
SCF-1	STATIC CONTROL FLOORING	JOHNSONITE	JO GRANIT SD	GRTSO-JT	FULL MOON 0710	24"x24"	
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	IMPERIAL STANDARD EXCELON	51839		12"x12"	INSTALL: QUARTER TURN



4 BASE - VINYL BASE SECTION  
3" = 1'-0"



5 TRANSITION-VINYL TO CONC.  
12" = 1'-0"

CONSTRUCTION SET

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	DRAWING TITLE: BLDG 009 DOOR & FINISH SCHEDULE & DETAILS	PROJECT TITLE: Upgrade Surveillance and Dursess Security System Campus Wide
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY DIRECTOR	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	BUILDING: 009	CHECKED: BY: XXXX
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: CHIEF OF STAFF	DATE:	LOCATION: Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303	DRAWING: 009-AE-601
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:		DATE: 06/08/20

U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System

### PLUMBING SYMBOLS & ABBREVIATIONS

NOT ALL SYMBOLS ARE USED FOR THIS PROJECT

	TRAPPED CONNECTION
	CLEANOUT (CO)
	DOMESTIC COLD WATER PIPING (CW)
	DOMESTIC HOT WATER PIPING (HW)
	SANITARY PIPING
	VENT PIPING
	EXISTING FIXTURE TO BE REMOVED
	EXISTING FIXTURE
	NEW FIXTURE
	FLOOR DRAIN/FLOOR SINK (FD/FS)

### COMMON PFP SYMBOLS & ABBREVIATIONS

NOT ALL SYMBOLS ARE USED FOR THIS PROJECT

	DIRECTION OF FLOW
	BRANCH CONNECTION, BOTTOM
	BRANCH CONNECTION, TOP
	ELBOW, TURNED DOWN
	ELBOW TURNED UP
	SHUTOFF VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	PRESSURE GAUGE
	UNION
	PIPING CAP
	EXISTING PIPING TO BE REMOVED
	MATCH LINE
	CONNECTION TO EXISTING
	DETAIL DESIGNATION
	RISER DESIGNATION
	KEYED NOTE
	REVISION NOTE
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITIES HAVING JURISDICTION
AP	ACCESS PANEL
BOP	BOTTOM OF PIPE
DIA	DIAMETER
DN	DOWN
EX OR EXIST	EXISTING
FFE	FINISHED FLOOR ELEVATION
IE OR INV. ELEV	INVERT ELEVATION
NC	NORMALLY CLOSED
NTS	NOT TO SCALE
SOV	SHUTOFF VALVE
VIF	VERIFY IN FIELD

### PLUMBING ABBREVIATIONS

NOT ALL SYMBOLS ARE USED FOR THIS PROJECT

ADA	AMERICANS WITH DISABILITIES ACT
AP	ACCESS PANEL
BP	BOOSTER PUMP
BT	BATHTUB
BTC	BRANCH TO CONNECTION
CI	CAST IRON
CO	CLEANOUT
EWC	ELECTRIC WATER COOLER
FCO	FLOOR CLEAN OUT
IW	INDIRECT WASTE
NIC	NOT IN CONTRACT
OB	OUTLET BOX
S	SANITARY
S/S	STAINLESS STEEL
SH	SHOWER
SK	SINK
SS	SANITARY STACK
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WS	WASTE STACK
WSV	WASTE STACK VENT

- ### PLUMBING AND FIRE PROTECTION GENERAL NOTES
1. DUE TO THE LIMITED SPACE AVAILABLE FOR THE INSTALLATION OF ALL THE PLUMBING WORK, COORDINATION BETWEEN ALL OTHER TRADES IS OF UTMOST IMPORTANCE.
  2. THIS CONTRACTOR SHALL VISIT THE PROJECT SITE AND VERIFY LOCATIONS, ELEVATIONS AND SIZES OF ALL UTILITIES AT SITE PRIOR TO PROCEEDING WITH WORK. EXISTING SYSTEMS AND STRUCTURE SHALL BE INVESTIGATED FOR BEST POSSIBLE ROUTING OF COLD WATER, HOT WATER, SANITARY WASTE AND VENT, STORM AND MEDICAL, LABORATORY GAS PIPING.
  3. THESE PLANS ARE DIAGRAMMATIC IN NATURE SINCE THE ONLY AVAILABLE INFORMATION HAS BEEN OBTAINED FROM EXISTING PLANS, SPECIFICATIONS, AND FIELD SURVEYS. THE EXACT LOCATION OF PIPING, FIXTURES AND EQUIPMENT MAY DEVIATE FROM THE LOCATION INDICATED ON THESE DRAWINGS. EXTREME ACCURACY IS NOT GUARANTEED. THIS CONTRACTOR SHALL BE PREPARED TO MAKE ALTERATIONS TO NEW AND/OR EXISTING SERVICES TO FIT JOB CONDITIONS. THIS CONTRACTOR SHALL FURNISH A COMPLETE CODE COMPLYING SYSTEM. THIS CONTRACTOR SHALL REPORT, IN WRITING, ANY DISCREPANCIES WHICH PREVENT THE INSTALLATION OF WORK AS SHOWN.
  4. IF THIS CONTRACTOR DOES NOT CLEARLY UNDERSTAND THESE PLANS OR IS NOT COMPLETELY SURE OF THEIR MEANING, THIS CONTRACTOR SHOULD OBTAIN THE ENGINEER'S WRITTEN EXPLANATION AND/OR INTERPRETATION PRIOR TO SUBMITTING BIDS, SINCE THIS CONTRACTOR WILL BE HELD RIGIDLY TO THE INTERPRETATION OF THE ENGINEER.
  5. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO REPAIR THE EXISTING SURFACES TO REMAIN WHERE THEIR WORK HAS BEEN COMPLETED. REPAIR SHALL INCLUDE, BUT NOT LIMITED TO, ANY EXISTING WALL, CEILING OR FLOOR THAT IS SCHEDULED TO REMAIN. REPAIR, PAINTING, AND PATCHING SHALL BE COMPLETED BY AN APPROPRIATE CONTRACTOR QUALIFIED FOR THIS TYPE OF WORK.
  6. THE OWNER SHALL MAINTAIN ALL SALVAGE RIGHTS OF FIXTURES, EQUIPMENT AND MATERIALS REMOVED. HOWEVER, ALL FIXTURES, EQUIPMENT AND MATERIALS NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE PREMISES AND PROPERLY DISPOSED OF BY THE DEMOLITION CONTRACTOR.
  7. CEILING REMOVAL, STORAGE AND REPLACEMENT FOR NEW PIPING INSTALLATION SHALL BE BY THE GENERAL CONTRACTOR.
  8. IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS, THE CONTRACTOR WILL NOTIFY BUILDING OWNER OF THE HAZARDOUS MATERIAL.
  9. TEMPORARY CONNECTION SHALL BE PROVIDED BY RESPECTIVE PLUMBING AND FIRE PROTECTION CONTRACTORS WHEN EXTENDED INTERRUPTIONS OF SERVICES AND UTILITIES SUCH AS WATER, WASTE AND FIRE PROTECTION WHICH SERVE OTHER AREAS ARE NECESSARY.
  10. COORDINATE WITH MAINTENANCE PERSONNEL AS TO SOURCE OF UTILITIES AND TEMPORARILY DISCONNECT OR SHUT OFF SERVICES OR UTILITIES AT NEAREST MAIN. TEMPORARY AND ACCESSIBLE ISOLATION VALVES SHALL BE INSTALLED CLOSE TO THIS POINT OF WORK.
  11. IT IS ESSENTIAL THAT BUILDING OPERATIONS CONTINUE WITH MINIMAL INTERRUPTIONS. IT IS NECESSARY THAT OPERATION OF EXISTING SYSTEMS BE INTERFACED WITH AS LITTLE DISRUPTION AS POSSIBLE EXCEPT IN AREAS VACATED FOR CONSTRUCTION WORK. WORK WHICH WILL INTERFERE WITH OPERATION OF EXISTING FIRE SUPPRESSION AND PLUMBING SYSTEMS OR WHICH REQUIRE DOWNTIME WILL BE SCHEDULED ONLY AFTER CONSULTATION WITH AND PERMISSION GIVEN BY THE OWNER. ALLOW 15 DAYS PRIOR TO ANTICIPATED INTERRUPTION OF SYSTEMS. WORK MAY BE REQUIRED TO BE PERFORMED OUTSIDE NORMAL WORKING HOURS.
  12. ARCHITECTURAL DEMOLITION DRAWINGS AND SPECIFICATIONS SHALL BE READ IN CONJUNCTION WITH THESE DRAWINGS.
  13. ALL PIPING HANGERS AND SUPPORTS SHALL BE REMOVED ALONG WITH PIPING BEING REMOVED.
  14. THE CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH PROJECT'S PHASING SCHEDULE PRIOR TO COMMENCEMENT OF ANY WORK.
  15. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS, TRANSITIONS, OFFSETS, ETC., TO AVOID DUCTWORK, PIPING, EQUIPMENT OR STRUCTURE NEW OR EXISTING AND TO MAKE A COMPLETE AND FUNCTIONING SYSTEM.

### FIRE PROTECTION SYMBOLS & ABBREVIATIONS

NOT ALL SYMBOLS ARE USED FOR THIS PROJECT

	AIR VENT (AUTOMATIC)
	DOUBLE CHECK VALVE ASSEMBLY
	DRY PIPE VALVE
	ELECTRONIC SUPERVISED INDICATING VALVE
	FIRE DEPARTMENT VALVE (FDV)
	FLOW SWITCH
	PREACTION VALVE
	PRESSURE RELIEF VALVE
	SOLENOID VALVE
	DRAIN LINE
	DRY PIPE
	FIRE MAIN (BULK)
	SPRINKLER MAIN BRANCH PIPING
	DRIP CONNECTION
	FIRE DEPARTMENT CONNECTION-FREE STANDING
	FIRE DEPARTMENT CONNECTION-WALL MOUNT
	FLUSH TYPE FIRE DEPARTMENT INLET CONNECTION
	FIRE PUMP TEST HEADER-WALL MOUNT
	FIRE PUMP TEST HEADER-FREE STANDING
	EXISTING SPRINKLER HEAD
	EXISTING SPRINKLER HEAD TO BE REMOVED
	SPRINKLER HEAD (SEE SCHEDULE FOR TYPE)
	SIDEWALL SPRINKLER HEAD (SEE SCHEDULE FOR TYPE)
AC	AIR COMPRESSOR
DCV	DOUBLE CHECK VALVE
DPV	DRY PIPE VALVE
DSP	DRY STANDPIPING PIPING
DSV	DRY STANDPIPE VALVE
FDC	FIRE DEPARTMENT CONNECTION
FDV	FIRE DEPARTMENT VALVE
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FP	FIRE PUMP
FPC	FIRE PUMP CONTROLLER
FPTH	FIRE PUMP TEST HEADER
JP	JOCKEY PUMP
JPC	JOCKEY PUMP CONTROLLER
AS	AUTOMATIC SPRINKLER
NAS	NO AUTOMATIC SPRINKLERS
PV	POST INDICATOR VALVE
TS	TAMPER SWITCH

- ### FIRE STOPPING NOTES
1. MATERIALS: USE ONLY FIRE STOP PRODUCTS THAT HAVE BEEN UL 1479, ASTM E-814, OR UL 2079 TESTED FOR SPECIFIC FIRE RATE CONSTRUCTION CONDITIONS CONFORMING TO CONSTRUCTION ASSEMBLY TYPE, PENETRATING ITEM TYPE, ANNULAR SPACE REQUIREMENTS, AND FIRE RATING INVOLVED FOR EACH SEPARATE INSTANCE.
  2. FOR SINGLE PENETRATIONS: A READY-TO-USE LATEX BASED INTUMESCENT SEALANT IS REQUIRED TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY PENETRATED. THE SEALANT MUST HAVE UL LISTING FOR BOTH SLEEVED AND NON-SLEEVED APPLICATIONS.
  3. FOR LARGE OPENINGS: CONTAINING MULTIPLE PENETRATIONS (2 OR MORE), A READY-TO-USE FOAM INTUMESCENT BLOCK MATERIAL MUST BE ABLE TO BE REMOVED AND REINSTALLED WITHOUT COMPROMISING FIRE PROTECTION INTEGRITY. COMPLY WITH MANUFACTURER'S RECOMMENDED PROCEDURES AND PRECAUTIONS. DO NOT USE DAMAGED OR EXPIRED MATERIALS.
  4. MANUFACTURERS: JOHNS MANVILLE INTERNATIONAL, 3M BRAND, CSD SEALING SYSTEMS, H.L.T. CIBA-GEIGY, HEAVY-DUTY NEALSON. REFER TO DIVISION 7 FOR FURTHER REQUIREMENTS.

- ### FIRE PROTECTION GENERAL NOTES
1. THE WORK COVERED CONSISTS OF FURNISHING ALL LABOR AND MATERIALS NECESSARY TO INSTALL, COMPLETE AND READY FOR CONTINUOUS OPERATION, THE FIRE PROTECTION SYSTEMS APPARATUS AND EQUIPMENT FOR THIS PROJECT, AS SHOWN ON THE DRAWINGS, PLUS AS REQUIRED BY NFPA 13 AND THE AUTHORITY HAVING JURISDICTION.
  2. FURNISH AND INSTALL TAMPER SWITCHES ON ALL INDICATING VALVES AS PER NFPA 13 REQUIREMENTS.
  3. THE CONTRACTOR SHALL PERFORM A FLOW TEST PRIOR TO DESIGN AND SUBMITTAL OF THE HYDRAULICALLY CALCULATED SYSTEM IF THE PROVIDED TEST IS GREATER THAN 1 YEAR OLD FROM THE DATE OF CONSTRUCTION.
  4. THE CONTRACTOR SHALL SUBMIT ALL DRAWINGS AND CALCULATIONS TO THE FIRE DEPARTMENT, GOVERNING AGENCIES AND INSURING AGENCY AND RECEIVE APPROVAL PRIOR TO SUBMITTING DESIGN SHOP DRAWINGS.
  5. THE CONTRACTOR SHALL FURNISH DRAIN VALVE AND INSPECTOR'S TEST CONNECTIONS AS REQUIRED BY NFPA 13 REQUIREMENTS AND AT THE DISCRETION OF THE FIRE MARSHAL, ENGINEER OR GOVERNING AGENCY.
  6. UNLESS OTHERWISE NOTED, IT IS THE INTENT OF THESE DOCUMENTS THAT ALL AREAS WITHIN THE SCOPE OF WORK WILL BE PROVIDED WITH AN AUTOMATIC WET TYPE FIRE SUPPRESSION SYSTEM MEETING NFPA #13.
  7. ROUTING OF SPRINKLER MAINS, BRANCHES AND HEADS SHALL BE THOROUGHLY COORDINATED WITH ALL OTHER TRADES AND BUILDING STRUCTURE PRIOR TO SUBMISSION OF COORDINATED SHOP DRAWINGS. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR COORDINATING, PREPARING, AND SUBMITTING COORDINATION DRAWINGS FOR APPROVAL/REVIEW.
  8. ALL OPENINGS THROUGH FIRE RATED FLOORS AND WALLS OR PARTITIONS SHALL BE FIRE STOPPED WITH UL RATED ASSEMBLIES OF EQUAL OR GREATER FIRE RATING.
  9. SUBMIT ACCURATE AS BUILT DRAWINGS TO THE ENGINEER AND OWNER.
  10. ALTHOUGH ALL PIPING MAY NOT BE INDICATED ON THE FLOOR PLANS, IT IS THE INTENT THAT THE ENTIRE EXISTING SPRINKLER SYSTEM BE DEMOLISHED BACK TO THE NEAREST FIRE/BULK/BRANCH MAIN.
  11. THE FIRE PROTECTION BID IS A DESIGN/BUILD CONTRACT. BEFORE SUBMITTING HIS BID THE CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS, OMISSIONS OR ERRORS HE MAKES AS A RESULT OF HIS FAILURE TO BECOME FULLY FAMILIAR WITH EXISTING CONDITIONS.
  12. THE CONTRACTOR SHALL INCLUDE IN HIS BID, A FULLY CODE COMPLIANT AND COORDINATED SPRINKLER SYSTEM. HEAD LOCATIONS ARE SHOWN TO ESTABLISH TYPE, QUANTITY, AND DESIRED LOCATION. EXACT QUANTITY OF HEADS CONTRACTOR'S RESPONSIBILITY. PROJECT SHALL BE DESIGNED AND CONSTRUCTED PER NFPA 13 AND/OR FACTORY MUTUAL GLOBAL REQUIREMENTS.
  13. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTAL TO ALL GOVERNING AGENCIES AND THE INSURING AGENCY.
  14. CEILING REMOVAL, STORAGE, AND REPLACEMENT WILL BE BY THIS CONTRACTOR.

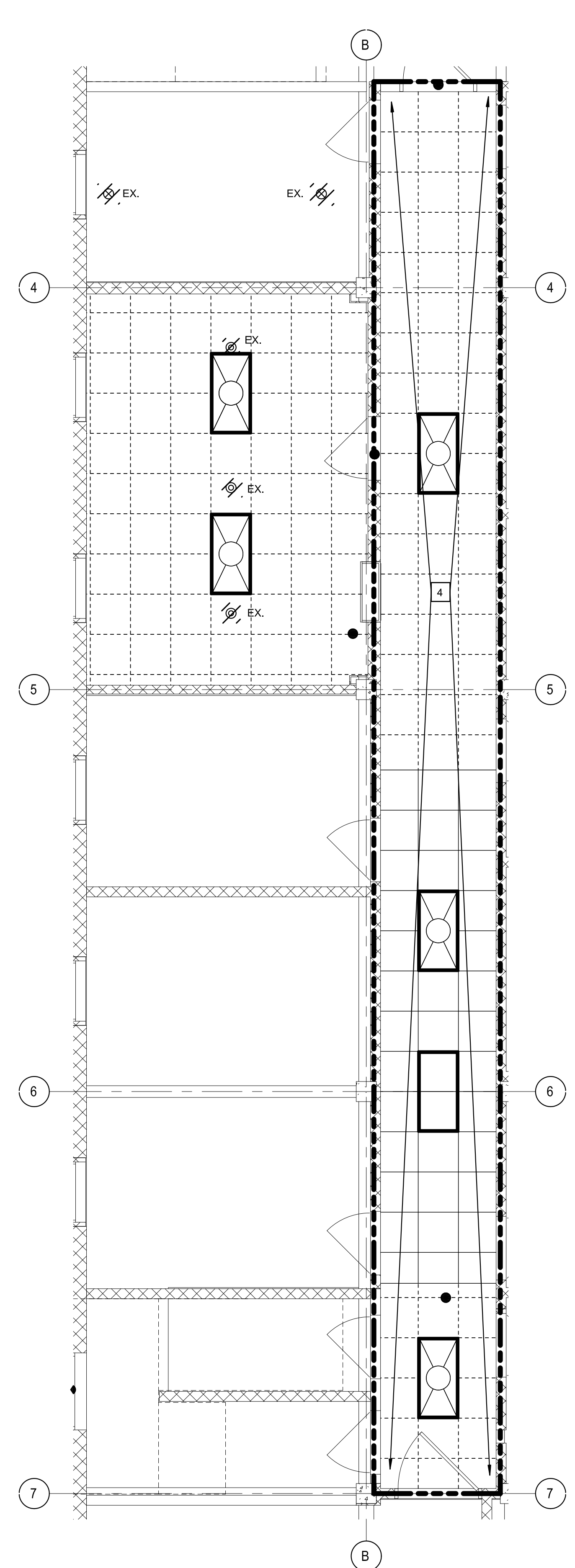
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		APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:
		APPROVED: DIRECTOR FMS	DATE:	APPROVED: SAFETY MANAGER	DATE:

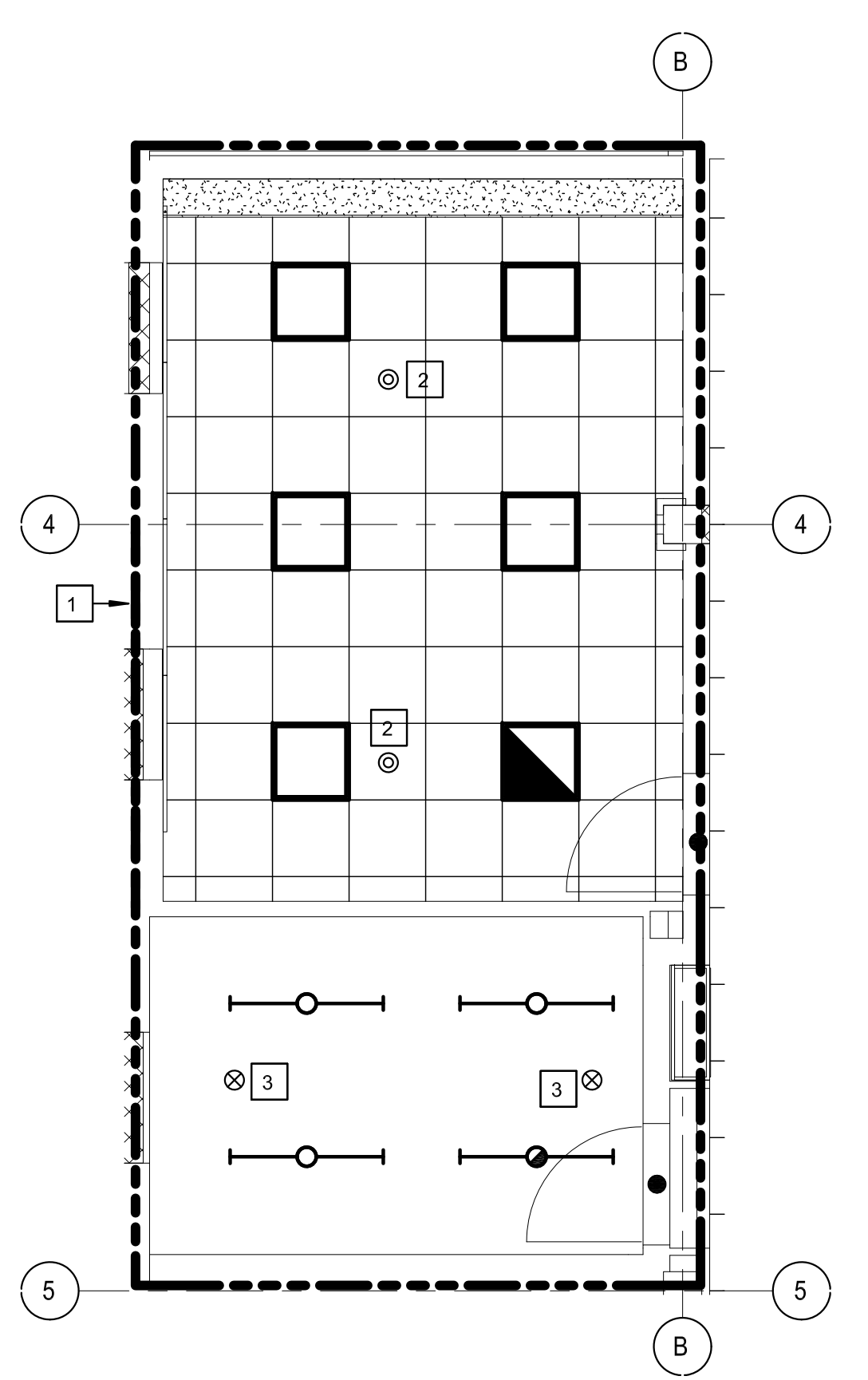
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# CONSTRUCTION SET

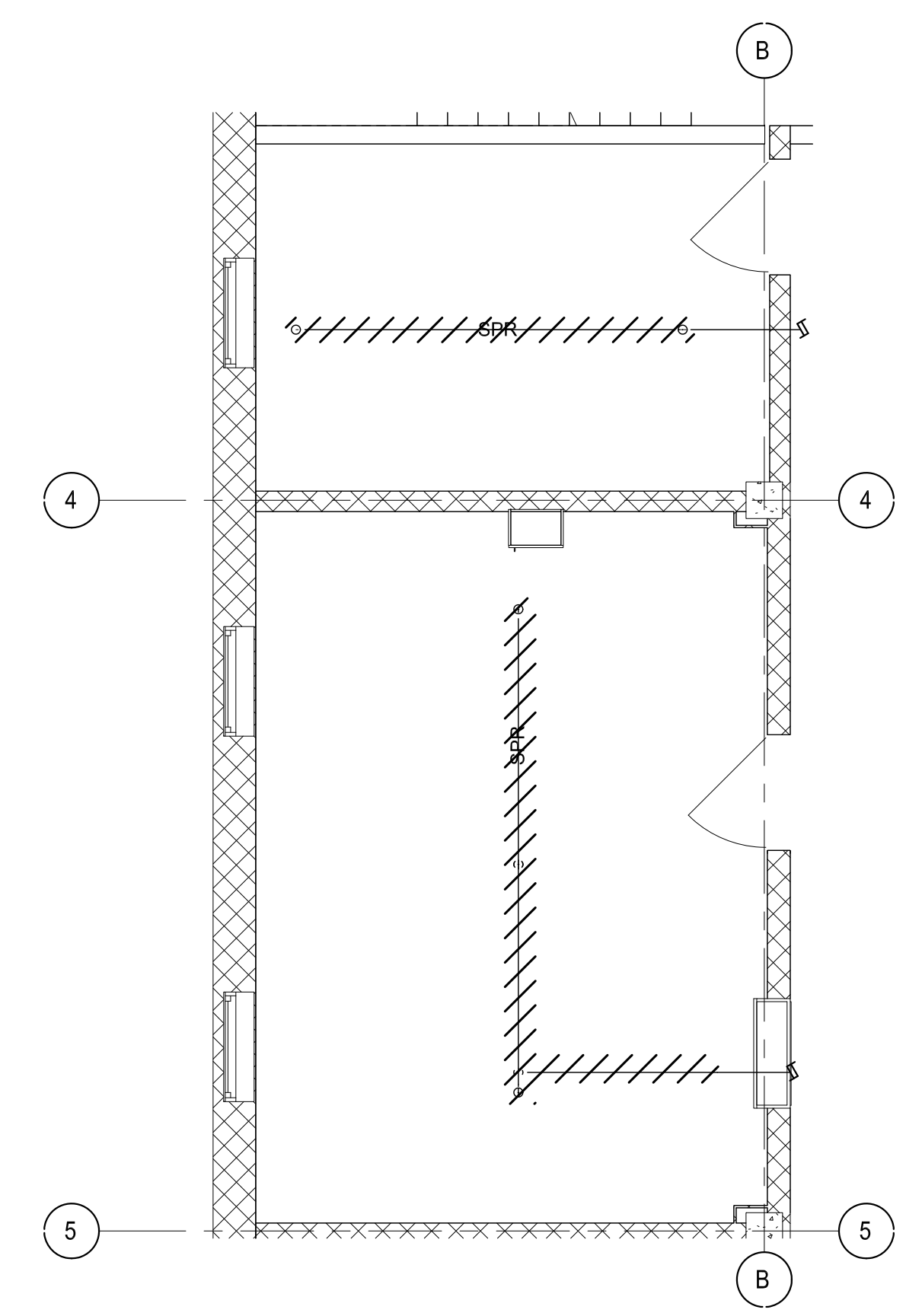
<b>PLUMBING AND FIRE PROTECTION SYMBOLS AND ABBREVIATIONS</b> Upgrade Surveillance and Dures Security System Campus Wide PROJECT NO. 056-18-293 DRAWING NO. 009-PFP-000 DATE: 6/29/20		<b>U.S. Department of Veterans Affairs</b> Veterans Health Administration St. Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303 (763) 484-2200
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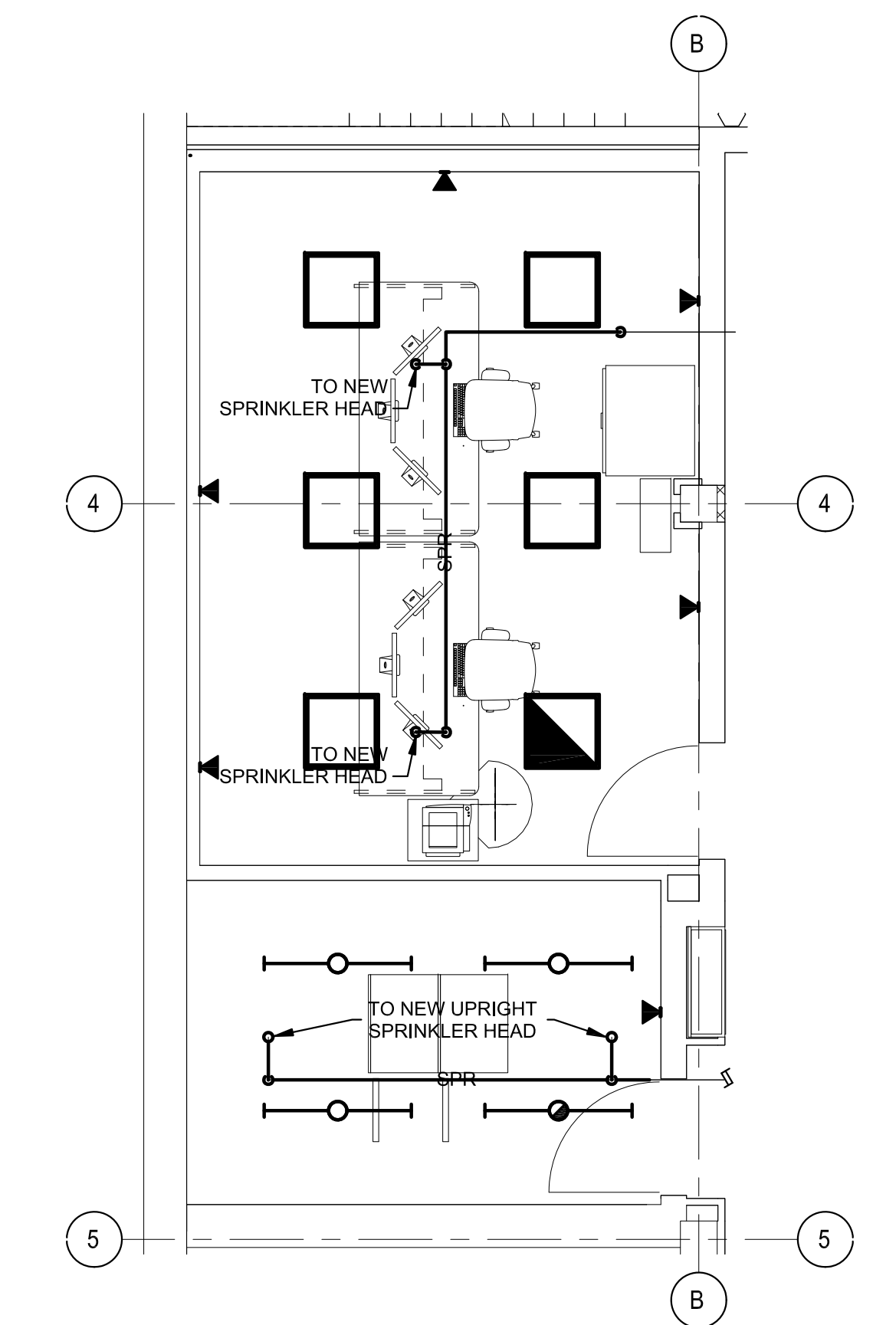
1 SPRINKLER PLAN - DEMOLITION  
1/4" = 1'-0"



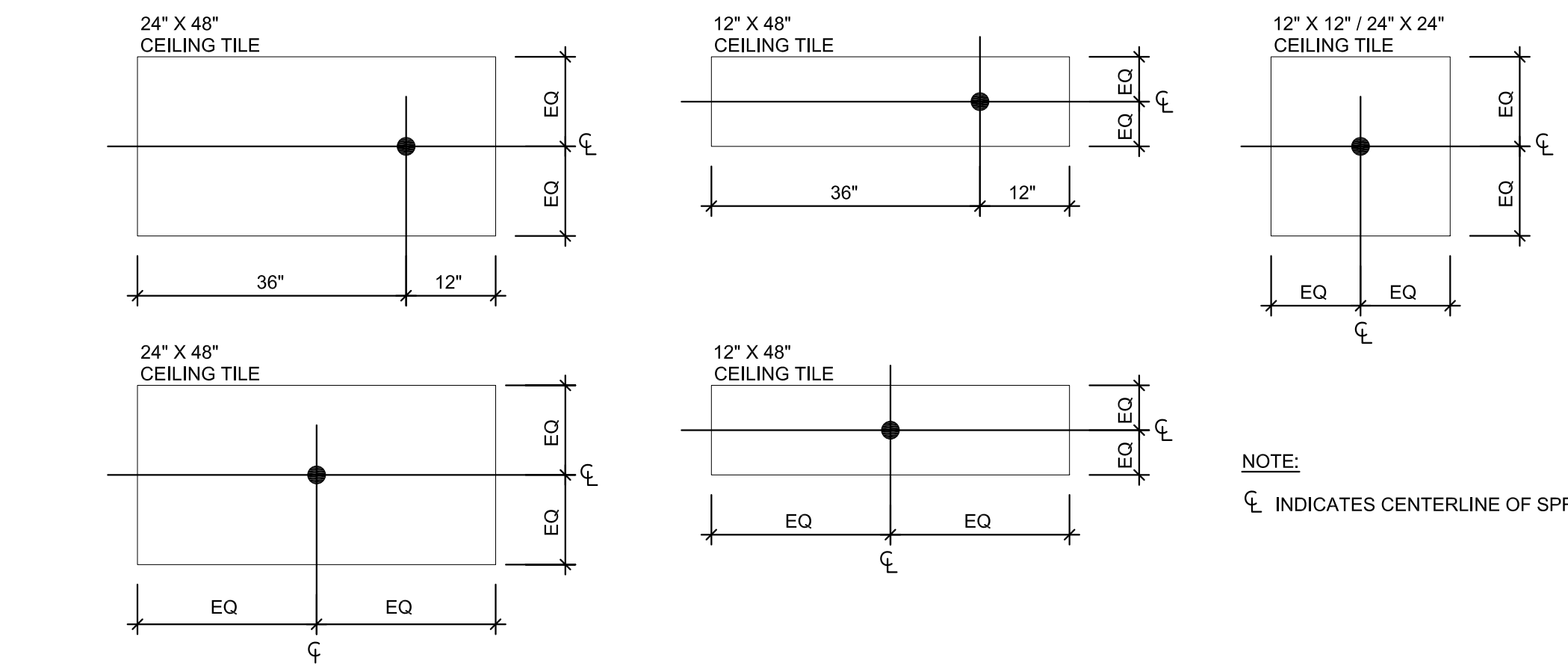
2 SPRINKLER PLAN - NEW WORK  
1/4" = 1'-0"



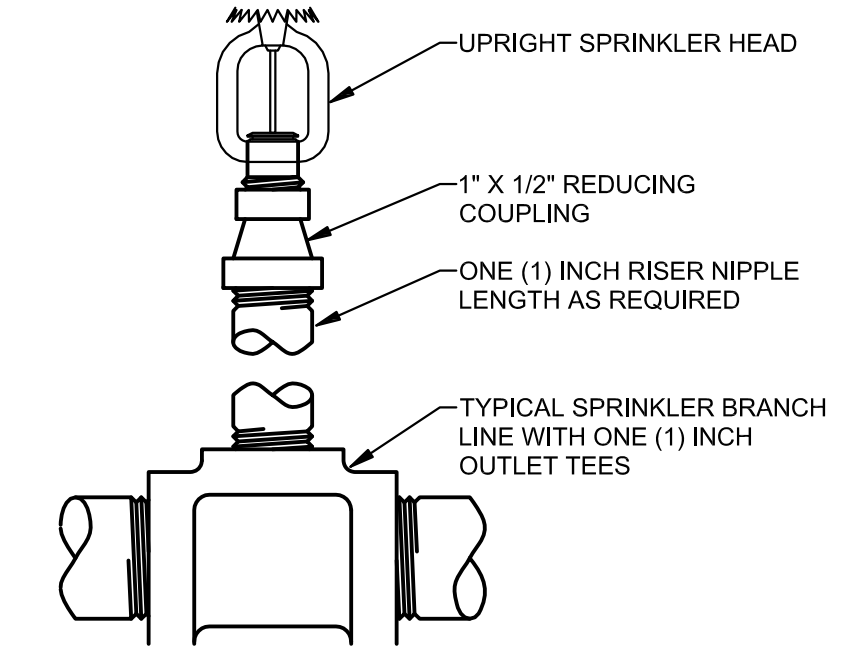
3 FIRE PROTECTION PIPING PLAN - DEMOLITION  
1/4" = 1'-0"



4 FIRE PROTECTION PIPING PLAN - NEW WORK  
1/4" = 1'-0"



5 SPRINKLER HEAD LOCATION  
NONE



6 UPRIGHT SPRINKLER HEAD  
NONE

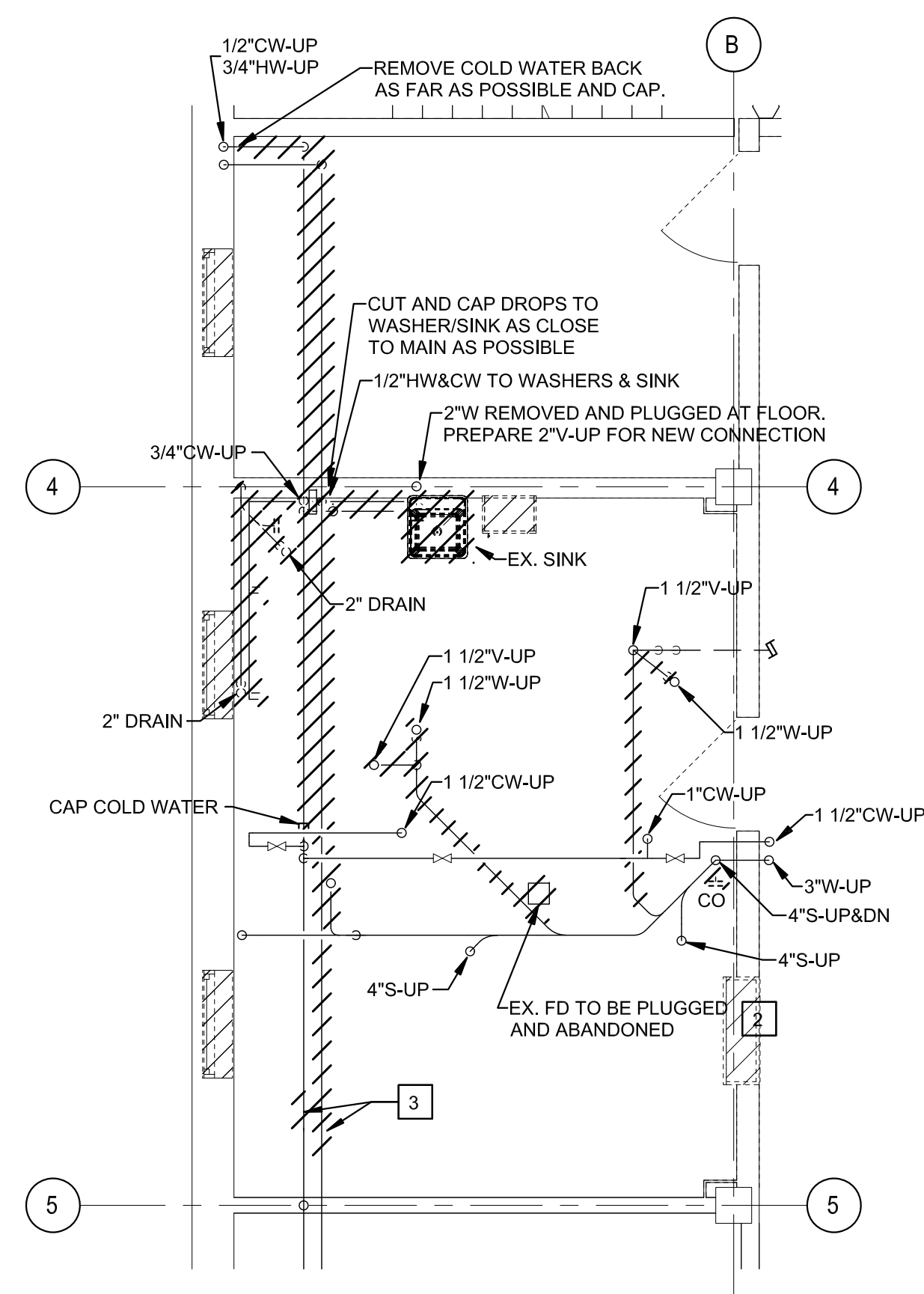
- KEYED NOTES**
- FIRE PROTECTION CONTRACTOR SHALL PROVIDE A CODE AND NFPA 13 COMPLIANT AUTOMATIC WET SYSTEM. AREA TO BE CONSIDERED ORDINARY HAZARD WITH A SPRINKLER DISCHARGE DENSITY OF 0.2 GPM SQ. FT. FOR THE MOST HYDRAULICALLY REMOTE 2500. SQ. FT. OR LARGEST HC-2 FIRE AREA IF LESS THAN 2500 SQ. FT. AND A 250 GPM HOSE STREAM. SPRINKLER HEAD SPACING SHALL NOT EXCEED MAXIMUM SPACING DISTANCES SET FORTH BY NFPA 13.
  - RECESSED PENDANT SPRINKLER HEAD WITH DISCHARGE TEMPERATURE OF 155°F. PROVIDE WITH SPRINKLER CAGE.
  - UPRIGHT WET SPRINKLER HEAD WITH A DISCHARGE TEMPERATURE OF 155°F.
  - EXISTING SPRINKLER HEADS WITHIN CORRIDOR TO REMAIN. SPRINKLER HEADS TO BE PROTECTED DURING CEILING REMOVAL AND INSTALLATION. IF SPRINKLER HEAD IS DAMAGED DURING DEMOLITION AND CONSTRUCTION, IT SHALL BE REPLACED WITH MATCHING.
- GENERAL SHEET NOTES**
- A. PENETRATIONS (NEW OR EXISTING) THROUGH THE FIRE RATED BALLISTIC RATED FORCED ENTRY RESISTANT WALLS SHALL BE FIRE CAULKED.

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1	CONSTRUCTION SET	6/08/20

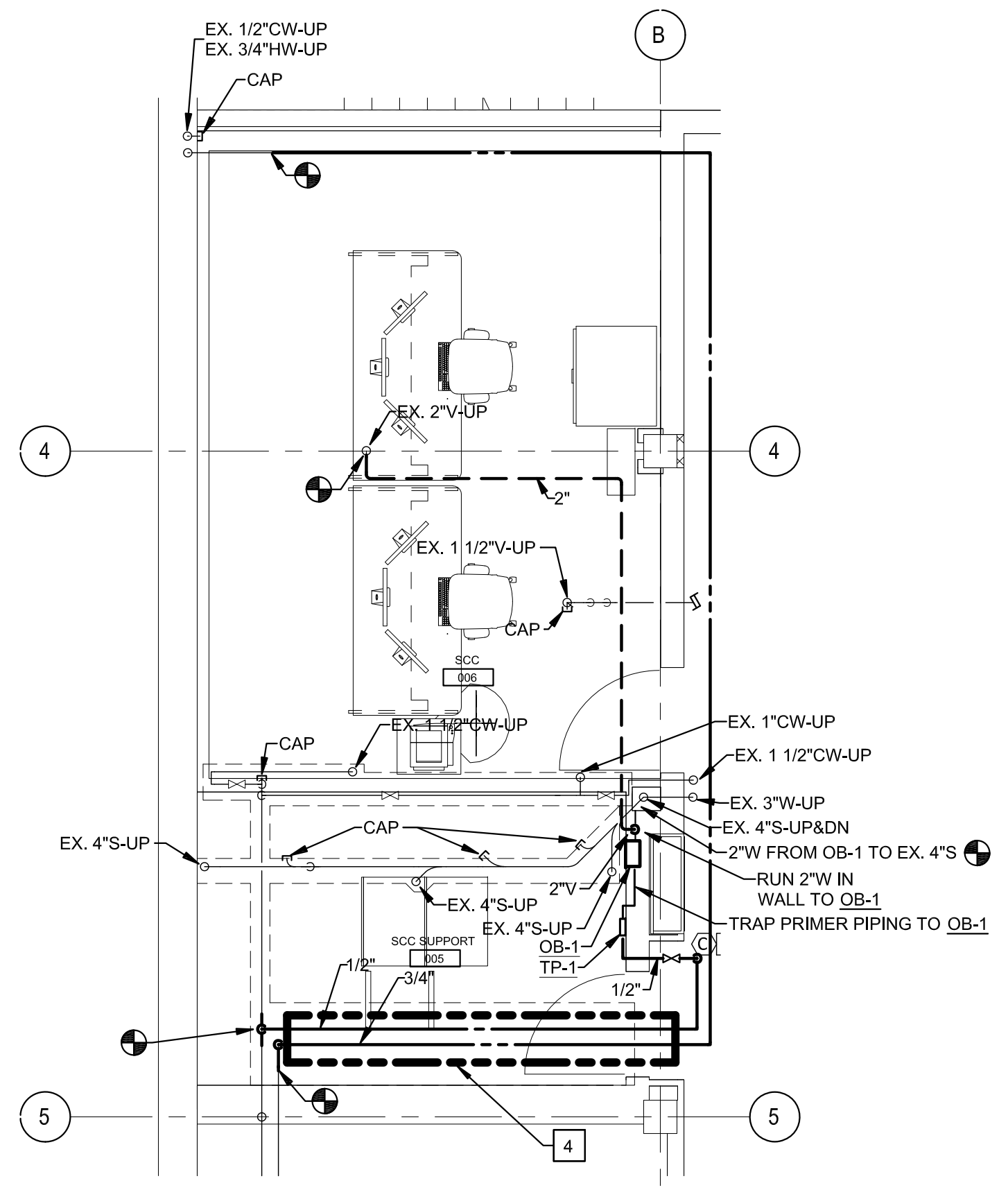
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APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: CHIEF OF STAFF	BUILDING NO. XXXX
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: SAFETY MANAGER	CHECKED BY: XXXX
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	LOCATION: Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303	DRAWN XXXX
							DRAWING NO: 009-FPD-101
							DWG. 11 OF 68

**CONSTRUCTION SET**

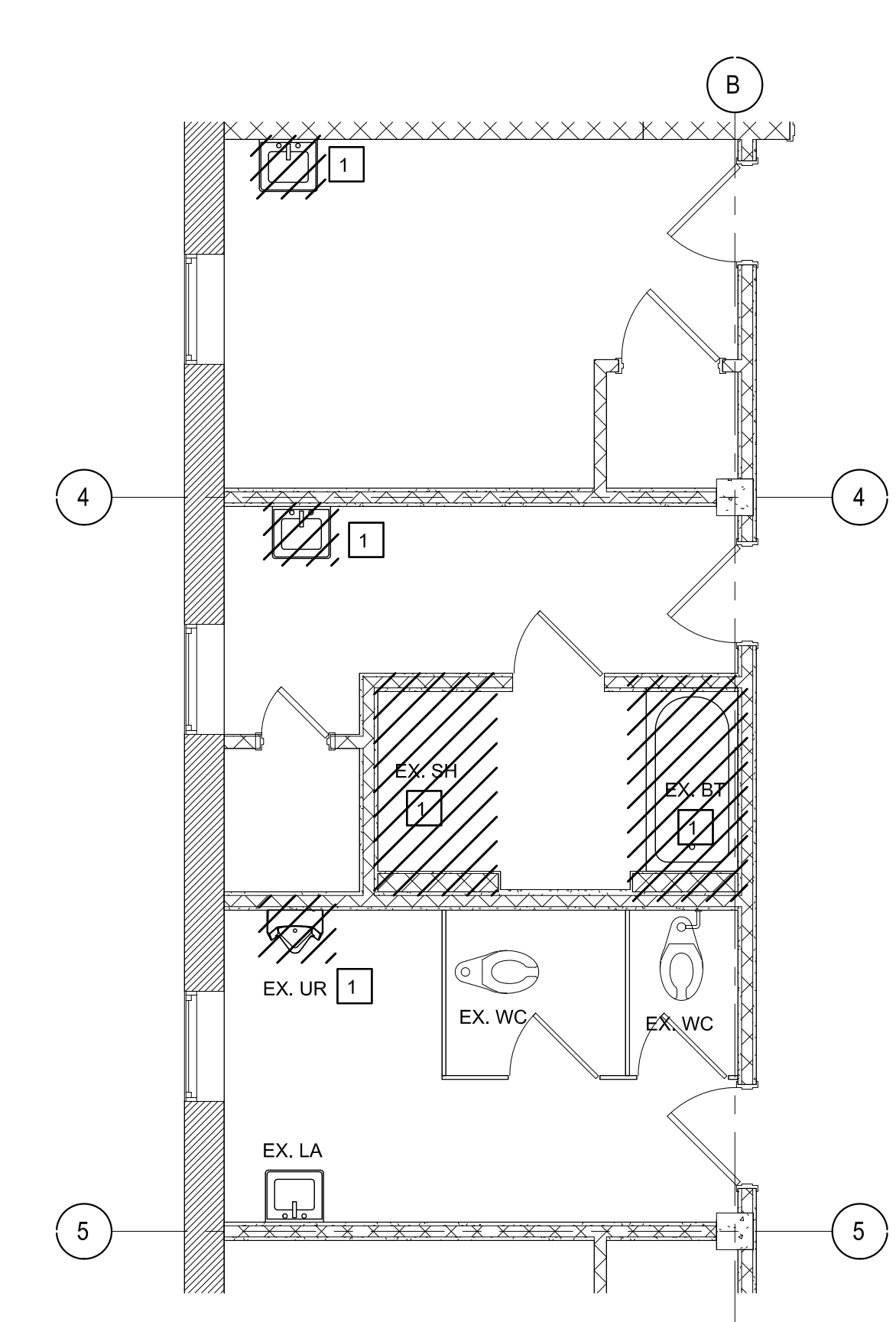




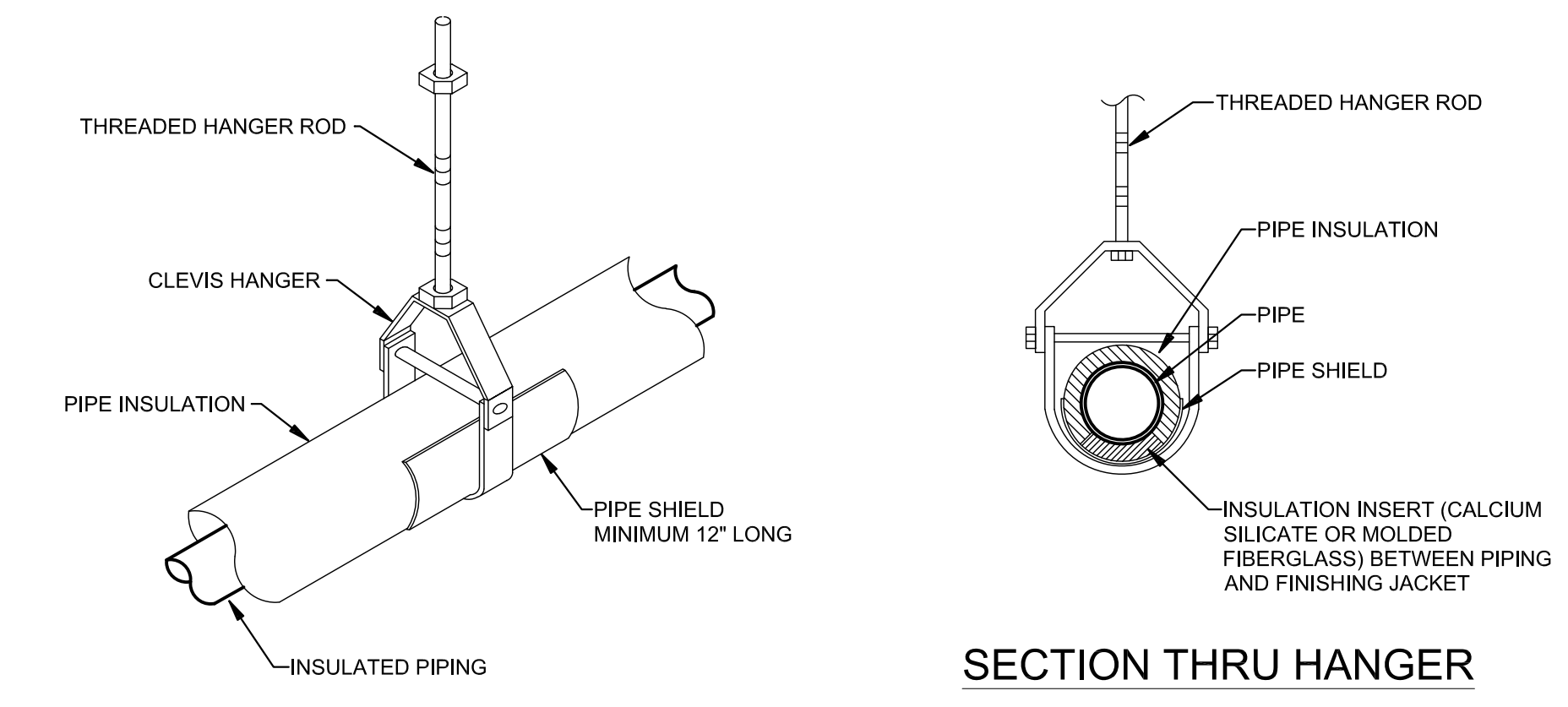
1 PLUMBING BASEMENT - DEMOLITION  
1/4" = 1'-0"



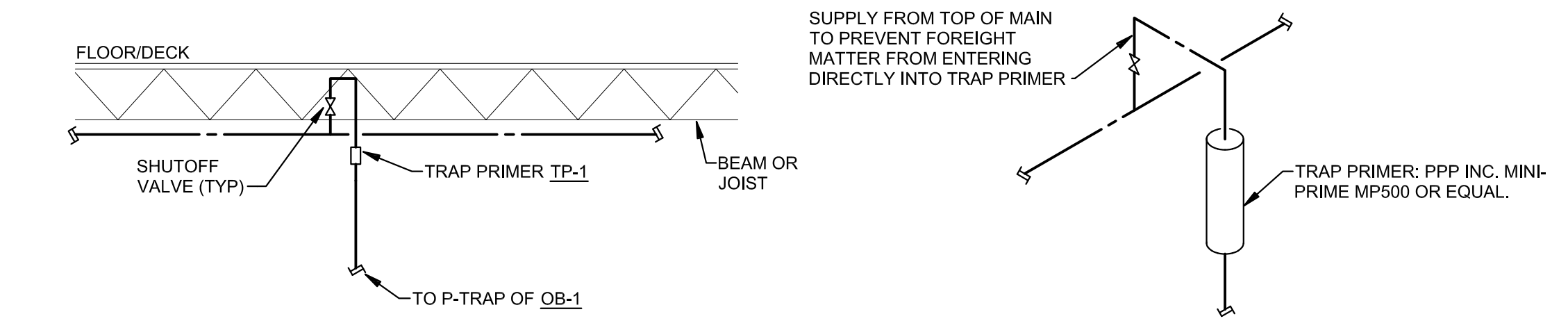
2 PLUMBING BASEMENT - NEW WORK  
1/4" = 1'-0"



3 PLUMBING 1ST FLOOR - DEMOLITION  
1/4" = 1'-0"

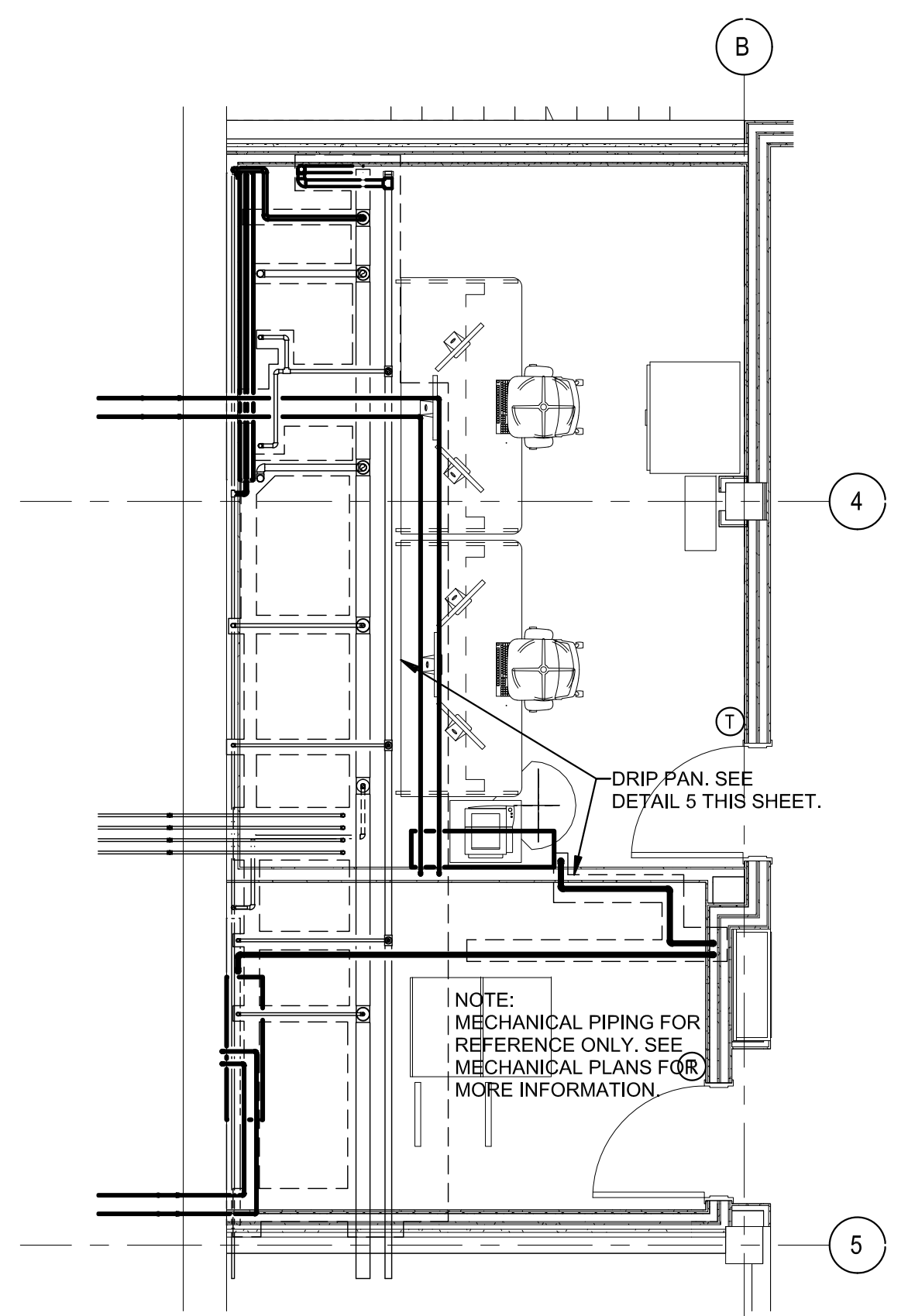


3 INSULATED PIPE HANGER SUPPORT  
NONE

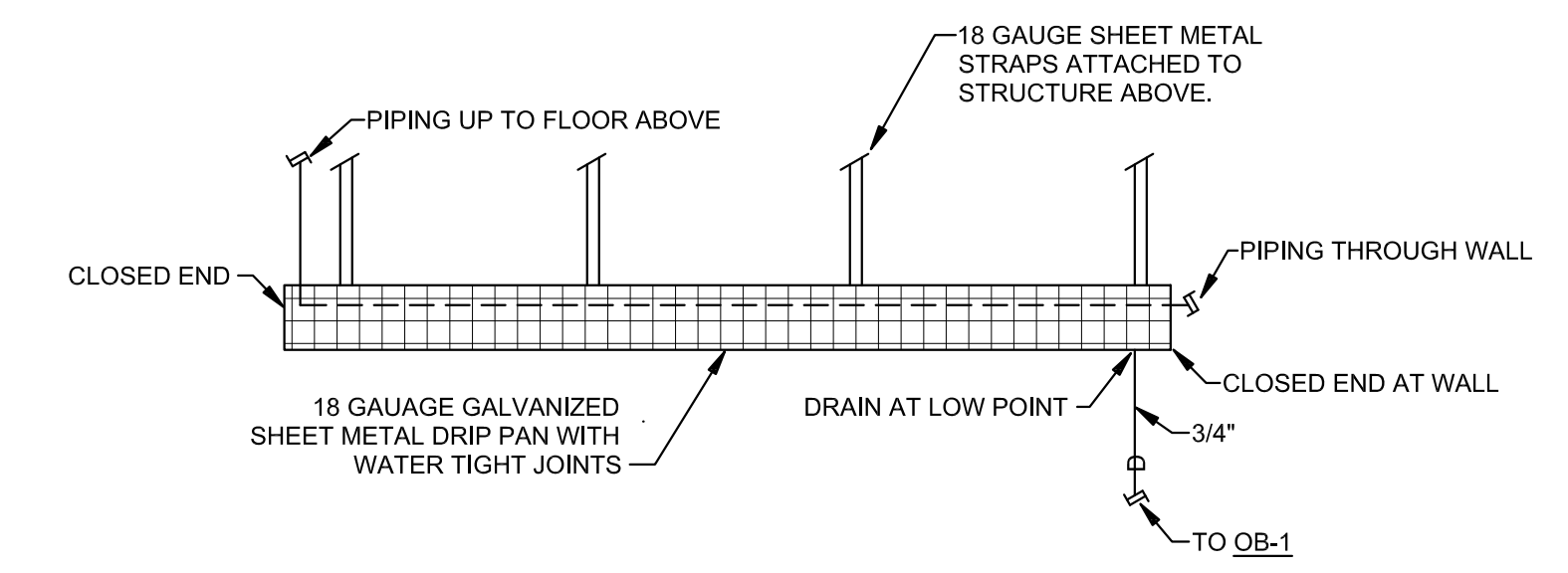


PIPE ROUTING

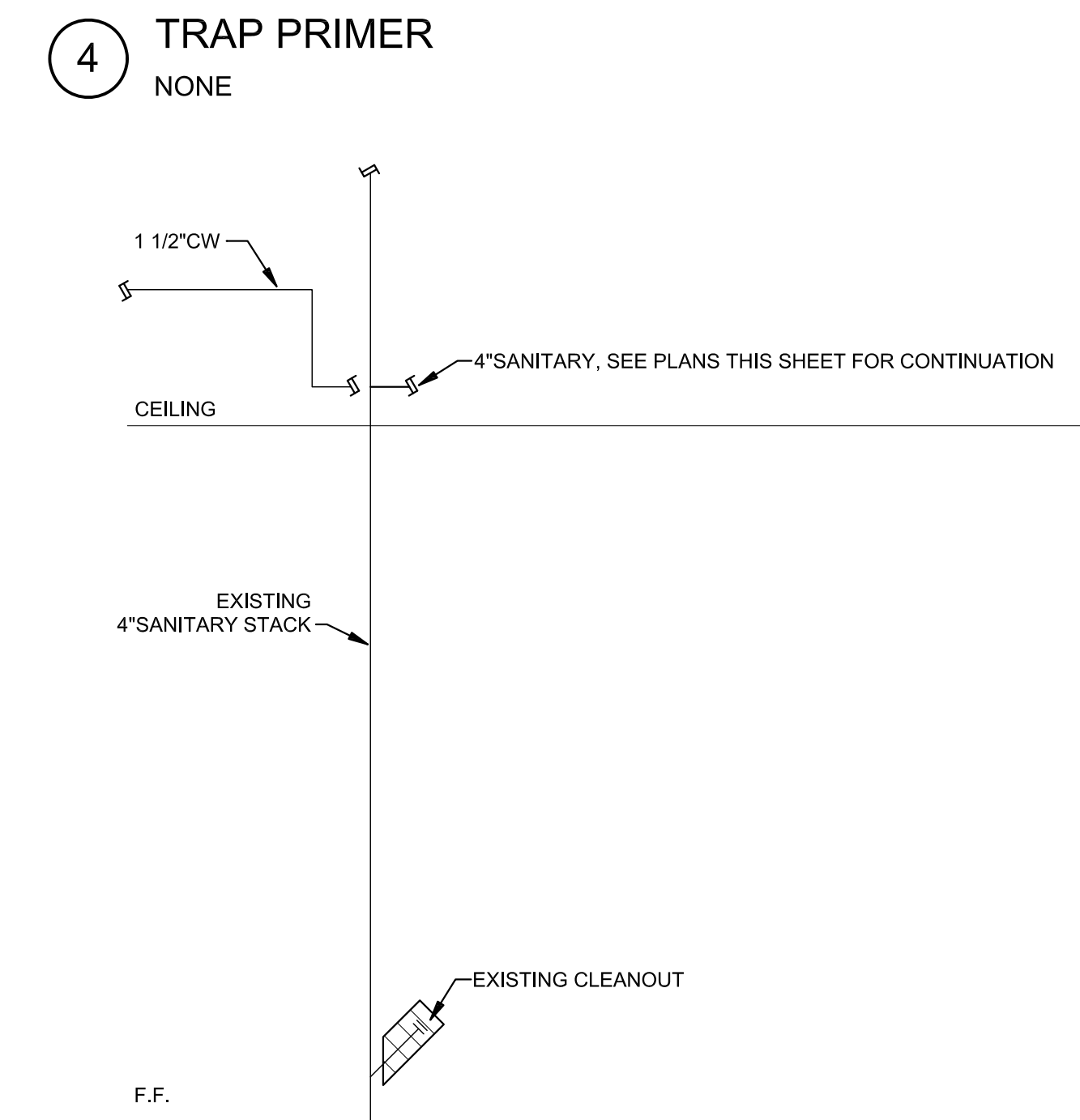
CONNECTION DETAIL



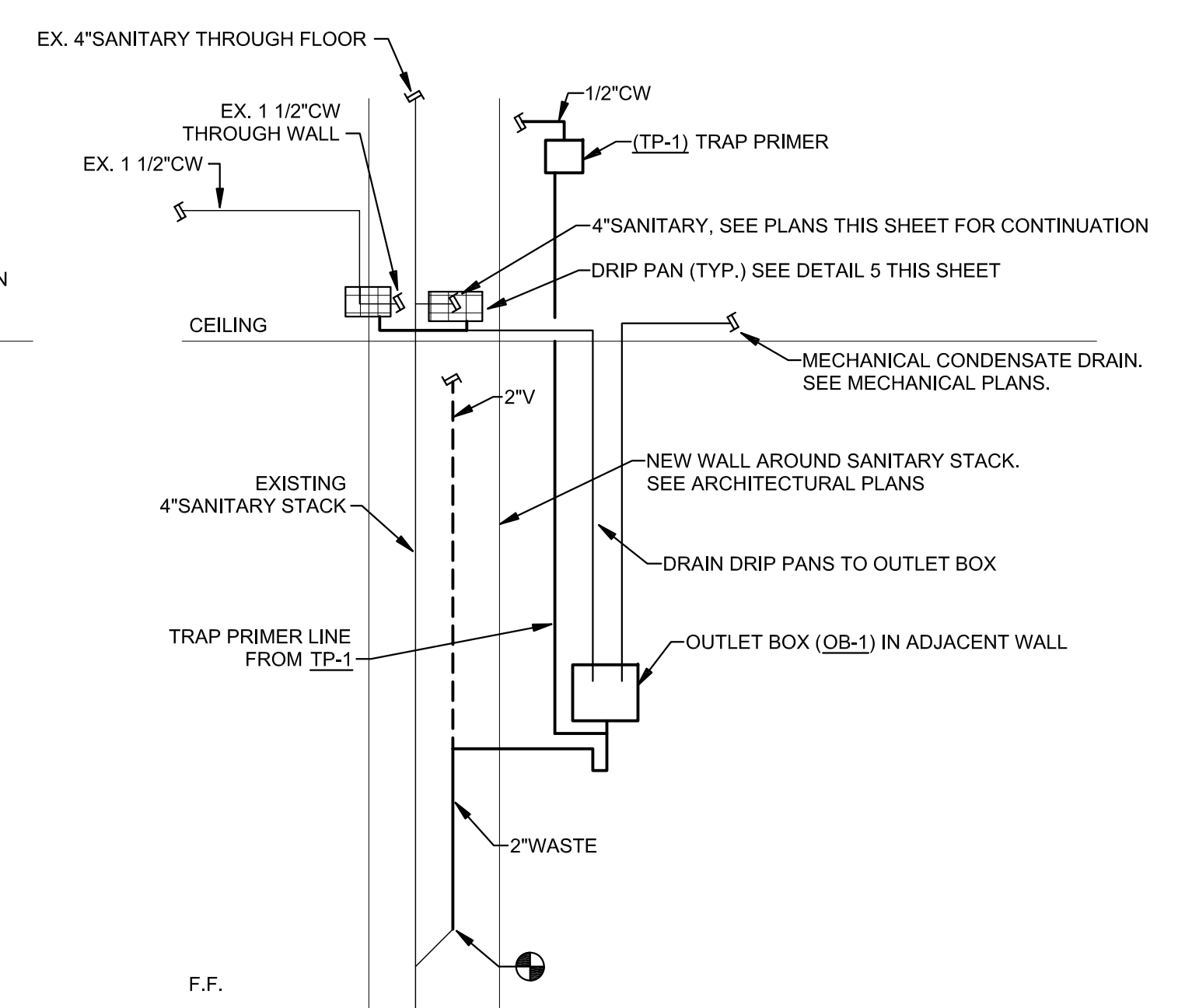
8 PIPING PLAN (MECHANICAL - FOR REFERENCE ONLY)  
1/4" = 1'-0"



5 DRIP PAN  
NOT TO SCALE



6 DRIP PAN DRAIN TO OUTLET BOX AND TRAP PRIMER DETAIL  
NOT TO SCALE




**GENERAL SHEET NOTES**

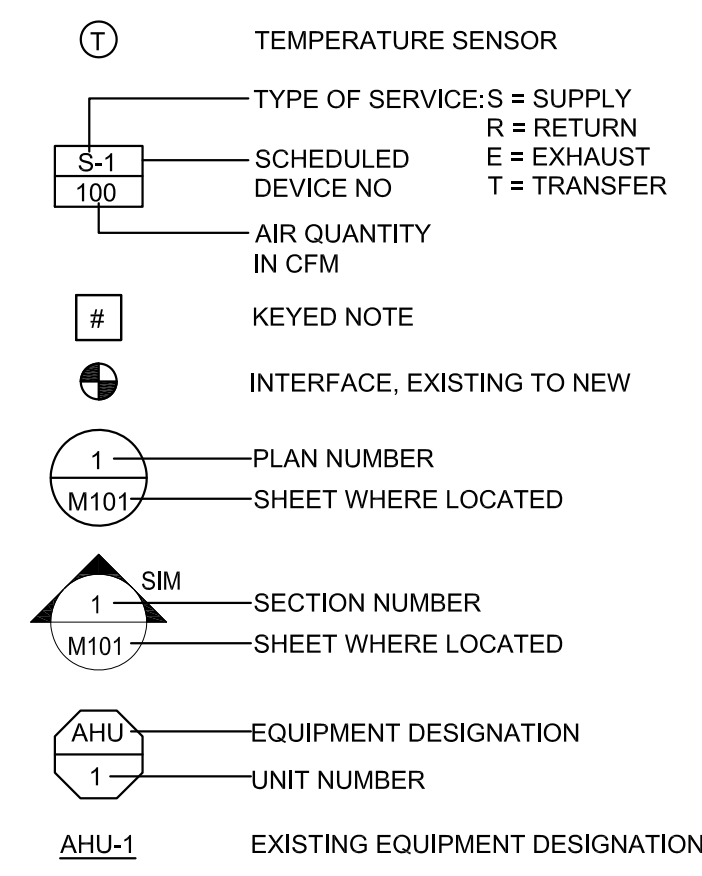
A. PENETRATIONS (NEW OR EXISTING) THROUGH THE FIRE RATED/BALLISTIC RATED/FORCED ENTRY RESISTANT WALLS SHALL BE FIRE CAULKED.

- KEYED NOTES**
- EXISTING FIXTURE PIPING FROM FLOOR BELOW TO BE REMOVED. CAP/PLUG PIPING ABOVE AND BELOW FLOOR.
  - PLUMBING CONTRACTOR TO COORDINATE EXISTING FLOOR DRAIN LOCATION WITH ELECTRICAL CONTRACTOR. INSTALLATION OF NEW CONDUIT BY DIV. 26 MAY REQUIRE FLOOR DRAIN AND ASSOCIATED PIPING TO BE REMOVED FROM TRENCH. REMOVE PIPING AND PLUG AS REQUIRED.
  - PIPING TO BE DEMO'D IN COORDINATION WITH DIV. 26. NEW PIPING CONNECTION (SEE PLAN 2 THIS SHEET) SHALL TIE IN SO THAT NO SECTION OF PIPE (COLD OR HOT WATER) RUNS DIRECTLY OVER ELECTRICAL PANEL BOARDS. SEE ELECTRICAL SHEETS.
  - COLD AND HOT WATER PIPING WITHIN CALL OUT SHALL BE COORDINATED WITH DIVISION 26. PIPING SHALL NOT RUN DIRECTLY OVER ELECTRICAL PANEL BOARDS. SEE ELECTRICAL SHEETS.

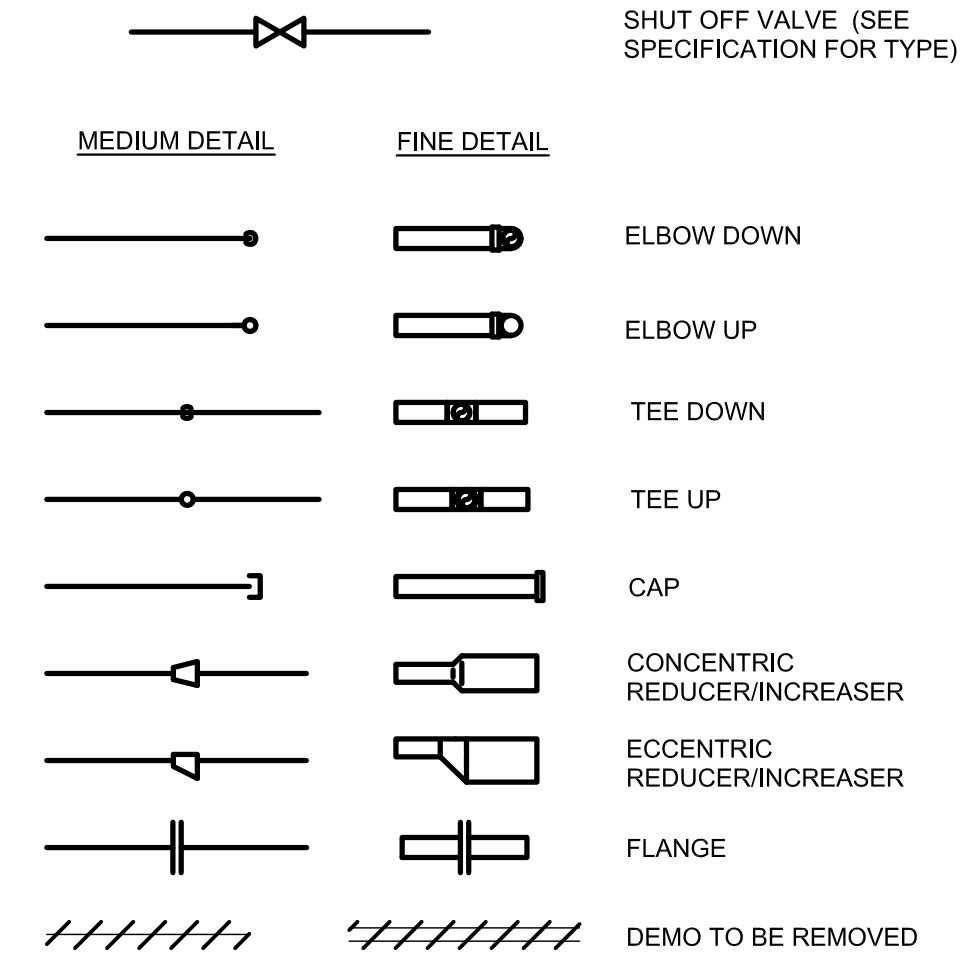
**CONSTRUCTION SET**

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	NO	REVISION	DATE												

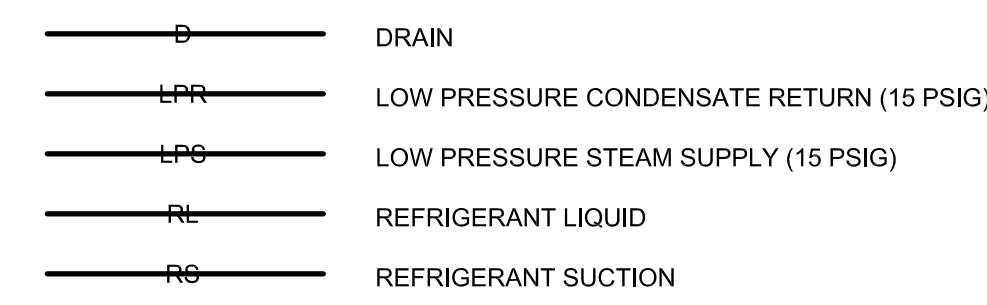
**GENERAL SYMBOLS**



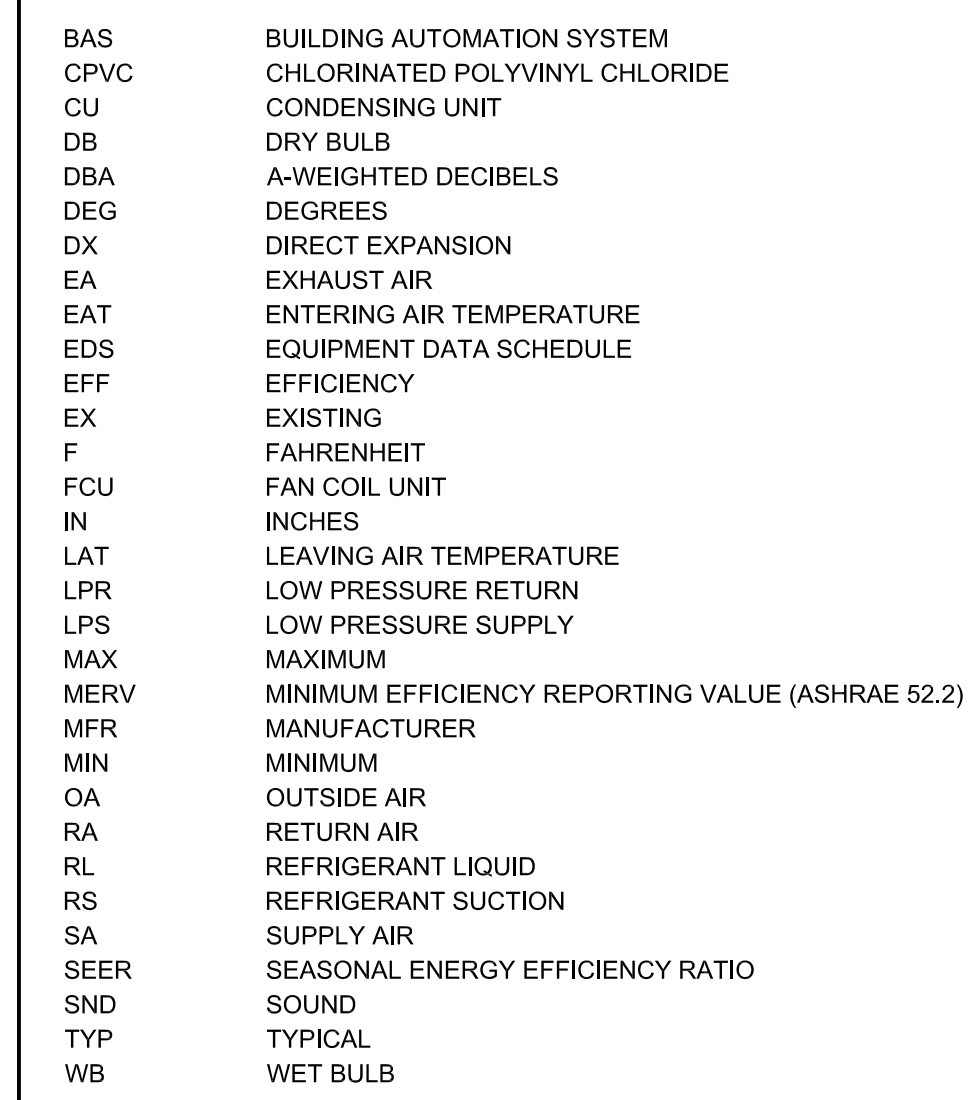
**PIPE LINE SYMBOLS**



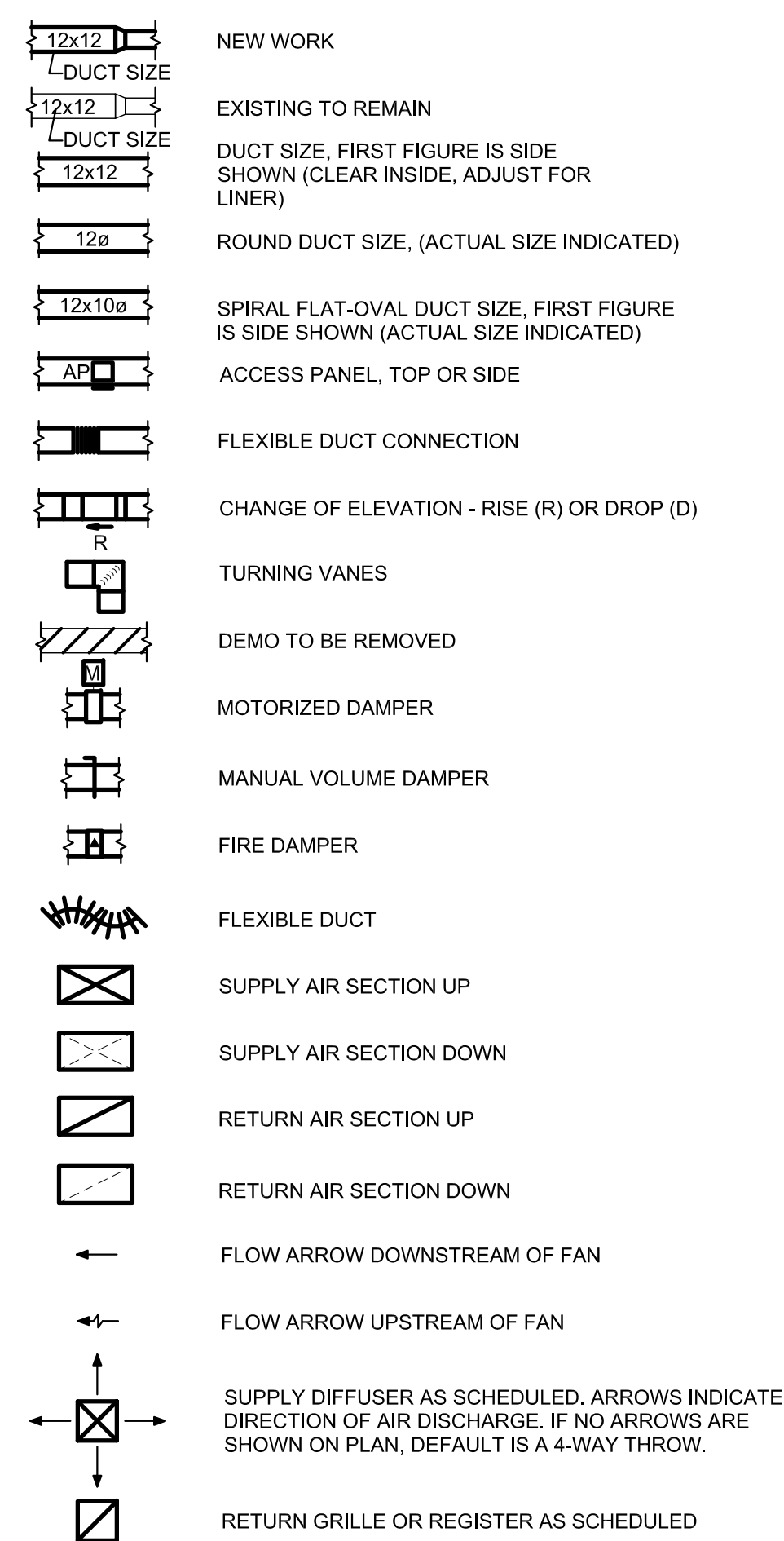
**PIPE SYSTEM ABBREVIATIONS**



**MECHANICAL ABBREVIATIONS**



**DUCT SYSTEM SYMBOLS**



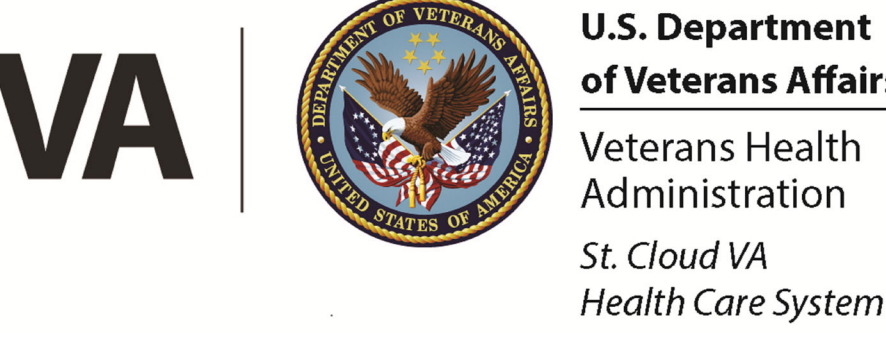
**GENERAL NOTES:**

- THESE PLANS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL BE PREPARED TO MAKE SOME ALTERATIONS TO THE EXACT LOCATION OF DUCTWORK, PIPING AND EQUIPMENT FROM THE LOCATION INDICATED ON THESE DRAWINGS TO FIT ACTUAL JOB CONDITIONS.
- ALL ELBOWS, FITTINGS, ETC., IN PIPING AND DUCTWORK REQUIRED TO CLEAR ALL JOB OBSTRUCTIONS ARE NOT NECESSARILY INDICATED. ALL NECESSARY TRANSITIONS, FITTINGS AND OFFSETS ARE REQUIRED WHETHER SHOWN OR NOT.
- BECAUSE OF THE LIMITED SPACE AVAILABLE TO INSTALL ALL OF THE MECHANICAL WORK, COORDINATION BETWEEN THE VARIOUS TRADES IS OF THE UTMOST IMPORTANCE.
- THE CONTRACTOR SHALL COORDINATE STAGING AND SCHEDULING WITH THE OWNER'S REPRESENTATIVE.
- EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM PREVIOUS CONSTRUCTION DOCUMENTS AND INFORMAL FIELD OBSERVATION AND SHALL NOT BE CONSTITUTED AS 'AS BUILT.' THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS BEFORE THE ONSET OF CONSTRUCTION.
- DEMOLISH ALL PIPING, DUCTWORK, AND EQUIPMENT, ETC., SHOWN TO BE REMOVED, IN ITS ENTIRETY, INCLUDING ALL HANGERS AND SUPPORTS.
- WHERE CONTRACTOR IS REQUIRED TO CONCEAL NEW WORK, REMOVE OR MODIFY EXISTING CONSTRUCTION OR EQUIPMENT, OR ATTACH TO EXISTING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR OR REPLACE EXISTING CONSTRUCTION AND MATERIALS TO MATCH CONDITIONS AT THE ONSET OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND REPLACE EXISTING CEILINGS AND WALLS REQUIRED FOR INSTALLATION OF MECHANICAL SYSTEMS.
- THE OWNER SHALL MAINTAIN ALL SALVAGE RIGHTS OF EQUIPMENT AND MATERIALS REMOVED. ALL EQUIPMENT AND MATERIALS NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE PREMISES BY THIS CONTRACTOR.
- ALL WORK SHALL BE INSTALLED PER THE REFERENCE DETAILS, REGARDLESS OF WHETHER OR NOT THE DETAILS ARE CALLED OUT ON THE PLANS. SEE SHEET 009-MH-300.
- THE CONTRACTOR SHALL VERIFY ALL REFRIGERANT PIPE SIZING AND ROUTINGS WITH THE EQUIPMENT MANUFACTURER. THE CONTRACTOR SHALL ALSO PROVIDE ALL REQUIRED REFRIGERANT ACCESSORIES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER FOR COMPLETE AND FULLY FUNCTIONAL SYSTEMS.
- DO NOT SCALE THE LOCATION OF HVAC CEILING ELEMENTS, SUCH AS AIR INLETS AND OUTLETS, FROM THE M-SERIES DRAWINGS. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT HVAC CEILING ELEMENT LOCATIONS. REFLECTED CEILING PLANS GOVERN THE LOCATION OF DIFFUSERS, REGISTERS, AND GRILLES. M-SERIES DRAWINGS GOVERN TYPE, STYLE, AND SIZE OF DIFFUSERS, REGISTERS, AND GRILLES.
- ALL DUCTWORK SHALL COMPLY WITH HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, 3RD EDITION, SMACNA 2005, EXCEPT WHERE MORE RESTRICTIVE REQUIREMENTS ARE SPECIFIED. ANY PLAN REFERENCES TO "SMACNA FIGURE --" REFERS TO THIS STANDARD. SEE SPECIFICATIONS FOR SCHEDULE OF DUCT PRESSURE CLASS AND SEAL CLASS.
- IN GENERAL, THE FINAL FLEX DUCT RUNOUT TO EACH DIFFUSER, REGISTER, OR GRILLE IS NOT SIZED ON PLANS. FLEX DUCT RUNOUT SIZE SHALL MATCH AIR OUTLET NECK SIZE, UNO.
- IT IS THE INTENT OF THESE DRAWINGS THAT A MANUAL BALANCING DAMPER BE PROVIDED AT EVERY INDIVIDUAL DUCTED CONNECTION TO AN AIR DEVICE.
- ALL NEW DUCTWORK SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL ADJUST SHEET METAL SIZES AS NECESSARY TO ACCOMMODATE INTERNAL DUCT LINER, IF SPECIFIED.
- ALL EXISTING TEMPERATURE CONTROLS THAT ARE BEING DEMOLISHED OR DISABLED AS WORK OF THIS CONTRACT SHALL BE COMPLETELY REMOVED FROM BUILDING.
- THE CONTRACTOR SHALL CONNECT THE NEW HVAC SYSTEM TO THE OWNER'S EXISTING BUILDING CONTROL SYSTEM. REFER TO THE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NO	REVISION	DATE
1	CONSTRUCTION SET	6/08/20

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	MECHANICAL SYMBOLS & ABBREVIATIONS	PROJECT TITLE	PROJECT NUMBER
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	BUILDINGS	Upgrade Surveillance and Duesess Security System Campus Wide	M866-18-293
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: CHIEF OF STAFF	DATE:	CHECKED		
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	DRAWN		
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**CONSTRUCTION SET**

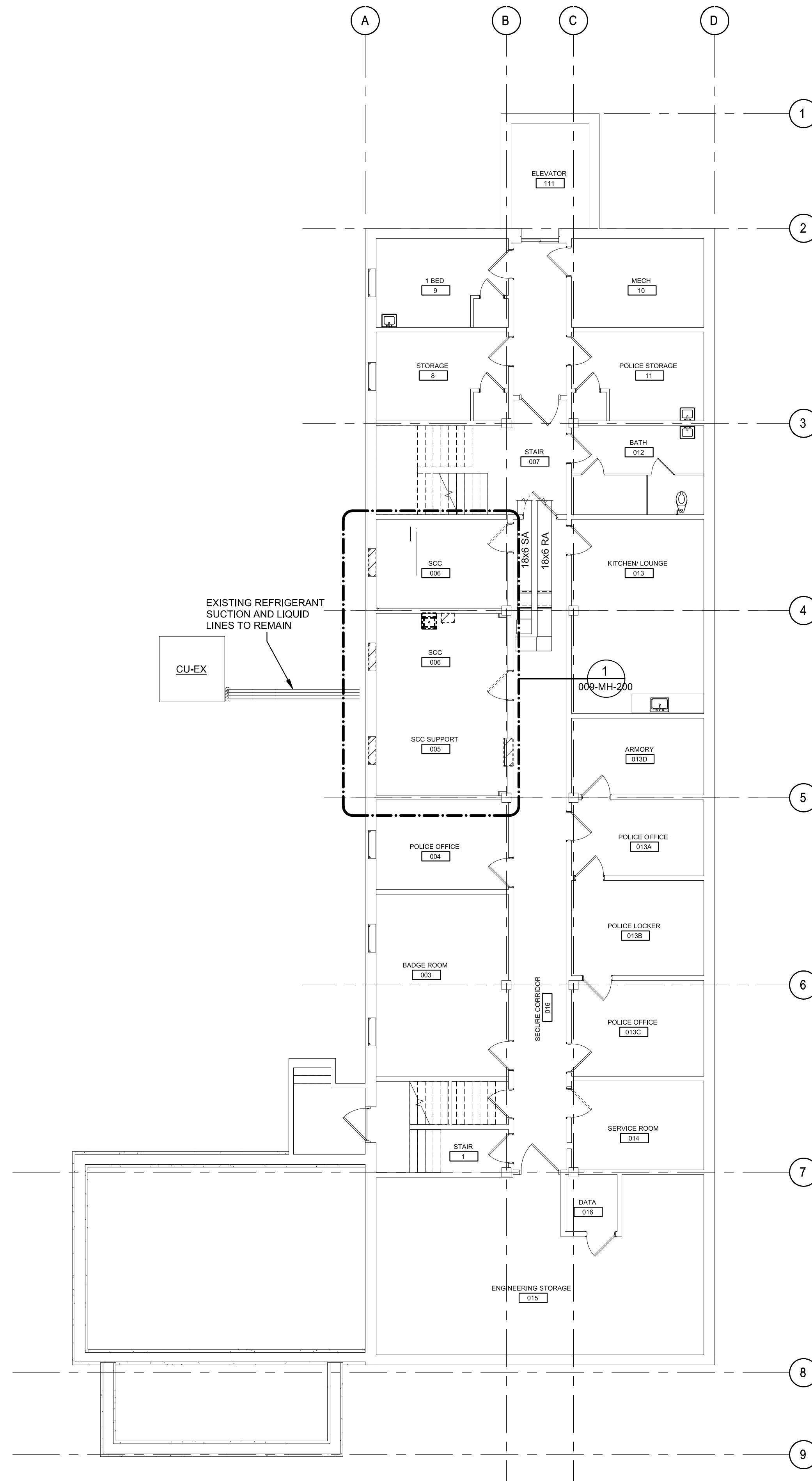


**GENERAL SHEET NOTES**

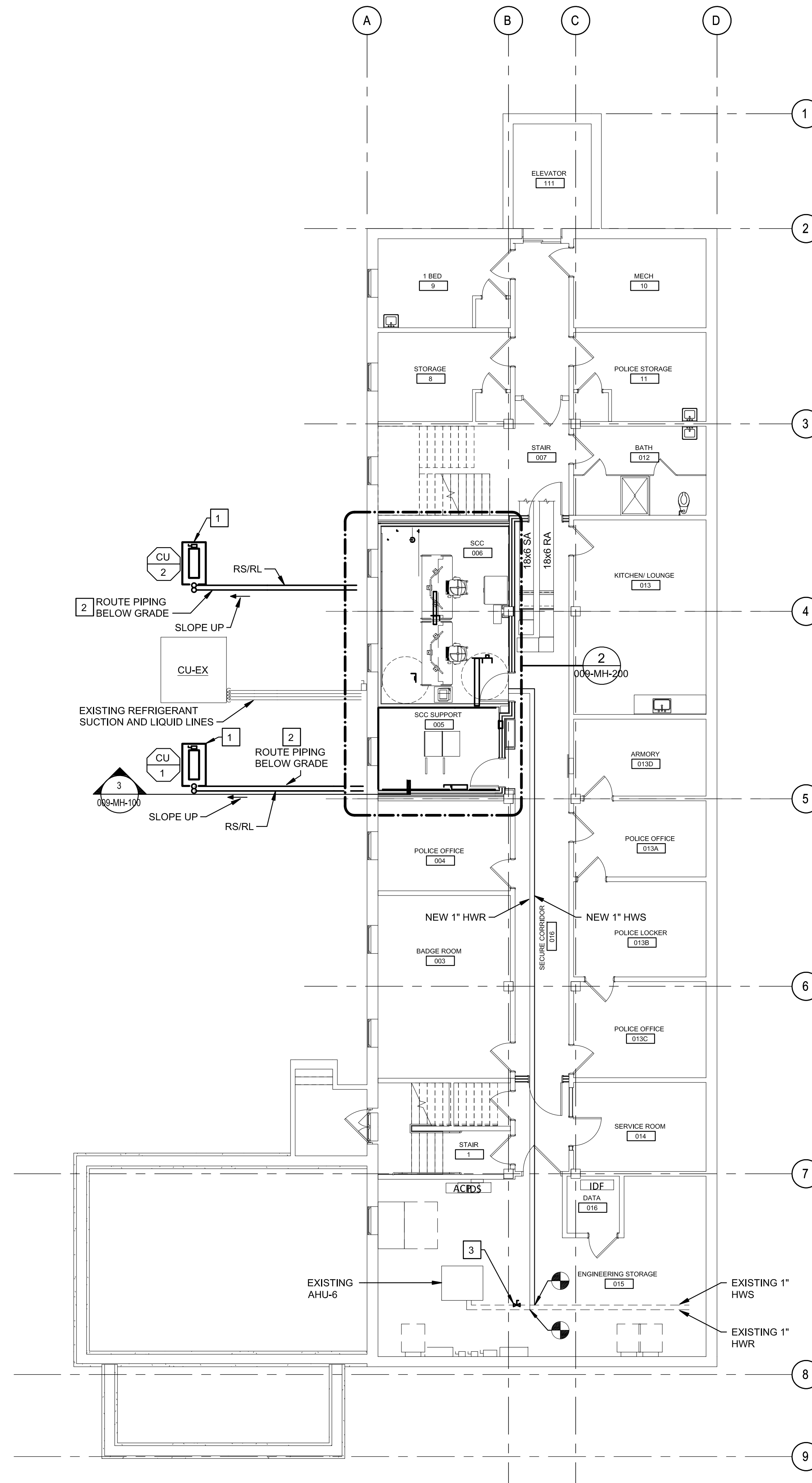
- SEE DRAWING 009-MH-000 FOR GENERAL NOTES.

**KEYED NOTES**

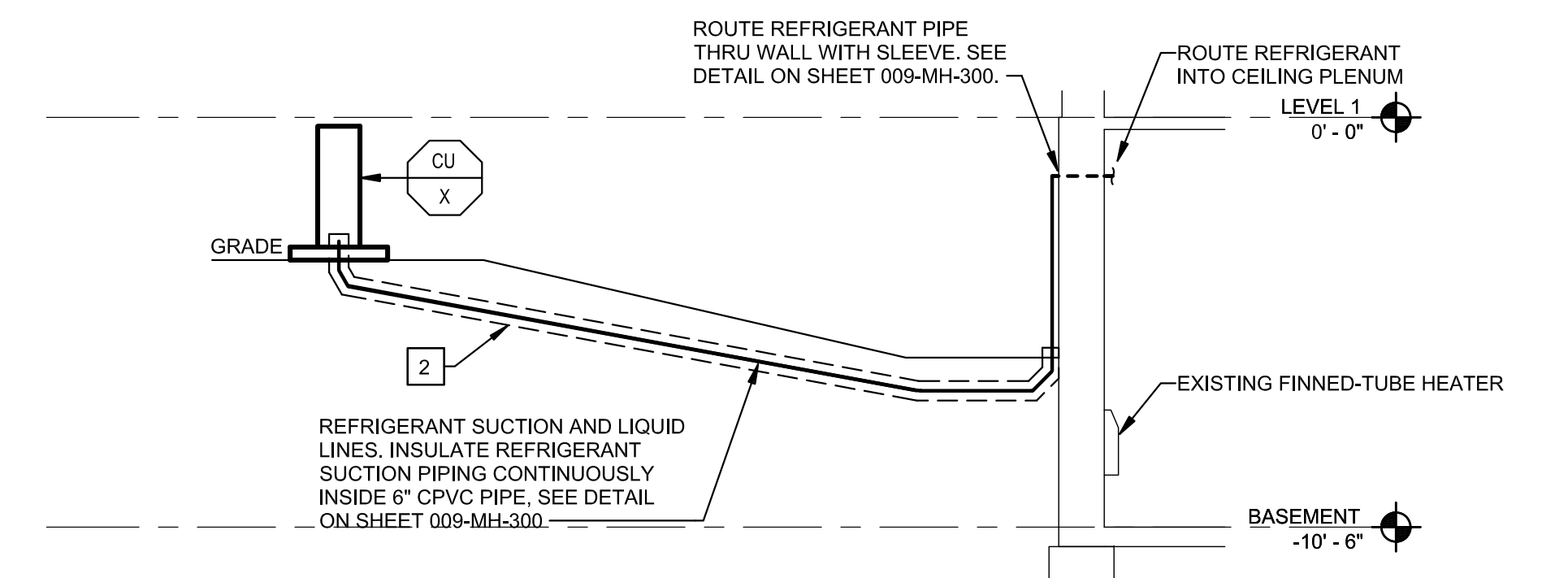
- INSTALL CONDENSING UNIT ON CONCRETE PAD ON GRADE. SEE SHEET 009-MH-300 FOR DETAILS.
- INSTALL UNDERGROUND REFRIGERANT PIPING IN 6" CPVC SLEEVE TWO-FEET BELOW GRADE. PROVIDE A MAXIMUM OF 45-DEGREE ELBOWS. CAP ENDS WATER TIGHT. AND INSTALL COVERS AT GROUND PENETRATIONS PER DETAIL ON SHEET 009-MH-300.
- INSTALL NEW CONTROL VALVE ON EXISTING 1" HWS. CONNECT TO BAS.



1 **OVERALL MECHANICAL FLOOR DEMOLITION PLAN**  
1/8" = 1'-0"  
PLAN NORTH



2 **OVERALL MECHANICAL FLOOR NEW WORK PLAN**  
1/8" = 1'-0"  
PLAN NORTH



3 Section  
NOT TO SCALE

**CONSTRUCTION SET**

NO.	REVISION	DATE
1	CONSTRUCTION SET	6/09/20

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	DRAWING TITLE	PROJECT
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	OVERALL DEMOLITION AND NEW WORK FLOOR PLANS	Upgrade Surveillance and Duruss Security System Campus Wide
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF STAFF	DATE:	APPROVED: CHIEF OF POLICE	DATE:	BUILDING	199
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	CHECKED BY	MLW
						DRAWN	CDE
						LOCATION	St. Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303
						DRAWING	099-MH-100
						DATE	DWG. 14 OF 71

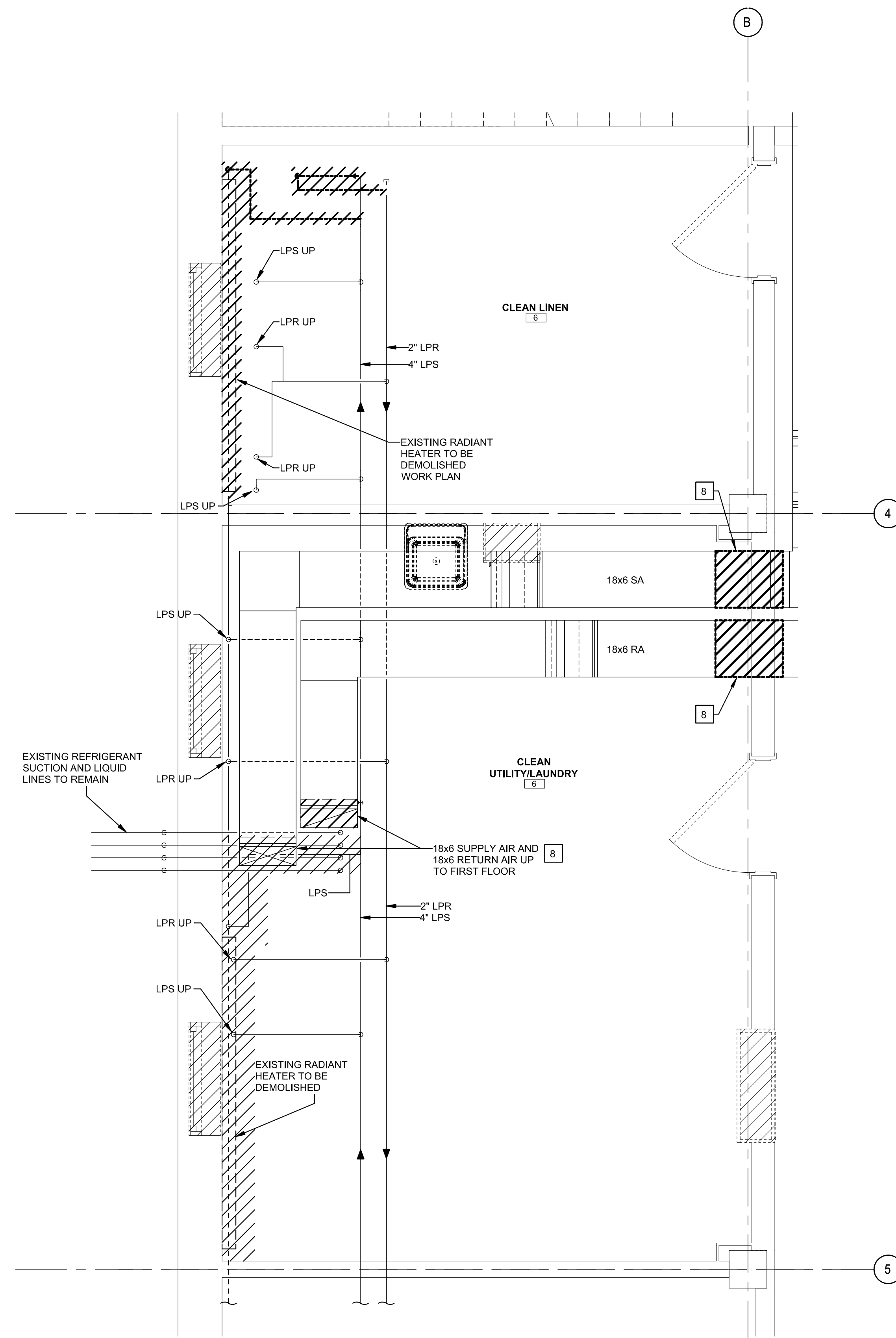
U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System

**GENERAL SHEET NOTES**

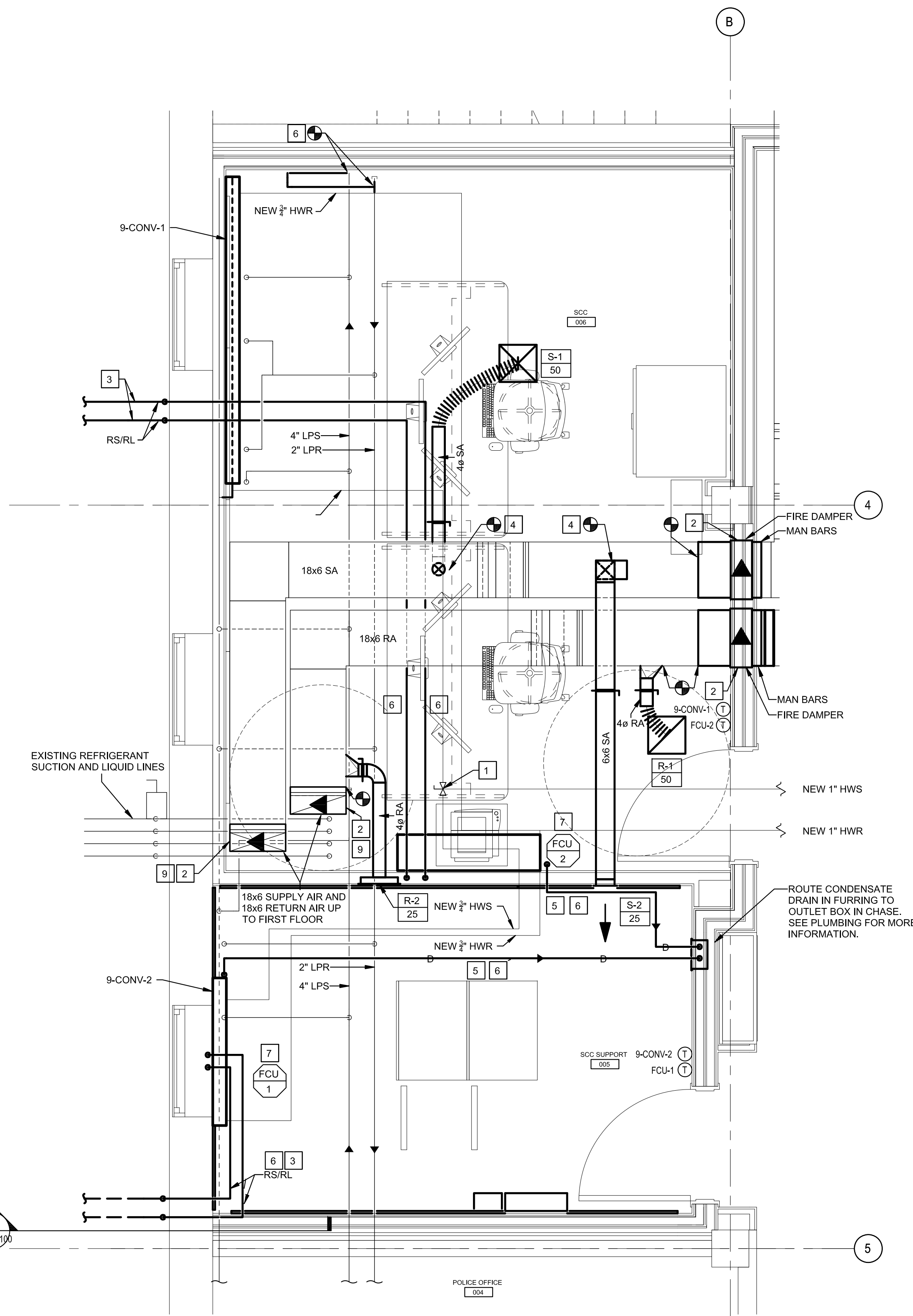
- SEE DRAWING 009-MH-000 FOR GENERAL NOTES.
- SEE DRAWING 009-PD-100 FOR DRIP PANS UNDERNEATH HYDRONIC PIPING.

**KEYED NOTES**

- INSTALL 3-WAY CONTROL VALVE FOR 9-CONV-1. CONNECT TO BAS.
- INSTALL FIRE DAMPER AND MAN BARS IN EXISTING 18x6 DUCT.
- SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATION.
- PROVIDE DUCT TAP WITH VOLUME DAMPER.
- PROVIDE 3/4" COPPER DRAIN PIPING CONNECTED TO DRAIN PUMP AT FAN COIL PER MANUFACTURER'S RECOMMENDATIONS, AND 1/2" FLEXIBLE ELASTOMERIC INSULATION. SLOPE DOWN IN DIRECTION OF AIRFLOW AT 1%. PROVIDE CLEANOUTS AT ALL CHANGES IN DIRECTION.
- ROUTE PIPING ABOVE CEILING.
- MOUNT FAN COIL 6'-6" ABOVE FINISHED FLOOR.
- REMOVE SECTION OF DUCT (AND EXISTING FIRE DAMPER AT DUCT THROUGH FLOOR) TO ACCOMMODATE INSTALLATION OF NEW FIRE DAMPER AND MAN BARS.
- INSTALL WITH MAN BARS UNDER THE FIRE DAMPER.
- AFTER INSTALLATION OF NEW HEATING WATER PIPING, CONTRACTOR SHALL REFILL THE SYSTEM WITH 35% PROPYLENE GLYCOL HEATING WATER.



1 ENLARGED MECHANICAL BASEMENT DEMOLITION PLAN  
1/2" = 1'-0"



2 ENLARGED MECHANICAL BASEMENT NEW WORK PLAN  
1/2" = 1'-0"

MECHANICAL											
UNIT NO.	MANUFACTURE'S DESIGNATION	MEDIUM	EAT	ENCLOSURE TYPE	ENCLOSURE DEPTH (IN.)	ENCLOSURE HEIGHT	ENCLOSURE LENGTH	ELEMENT	ROWS	GPM	MECHANICAL NOTES
9-CONV-1	RITTLING / SL	HW	65	WALL HUNG SLOPE TOP	6	24	62	3/4" C - 4 1/2" X 4 1/2" - 48	2	2.5	1,2,3
9-CONV-2	RITTLING / SL	HW	65	WALL HUNG SLOPE TOP	6	24	48	3/4" C - 4 1/2" X 4 1/2" - 32	1	1	1,2,3

**NOTES:**  
 1. PANEL SHALL BE 14 GAUGE, PRIMED, AND PAINTED TO MATCH WALL.  
 2. INSULATION BACK, SIDES AND TOP  
 3. KNOB DAMPER

**CONSTRUCTION SET**

NO.	REVISION	DATE

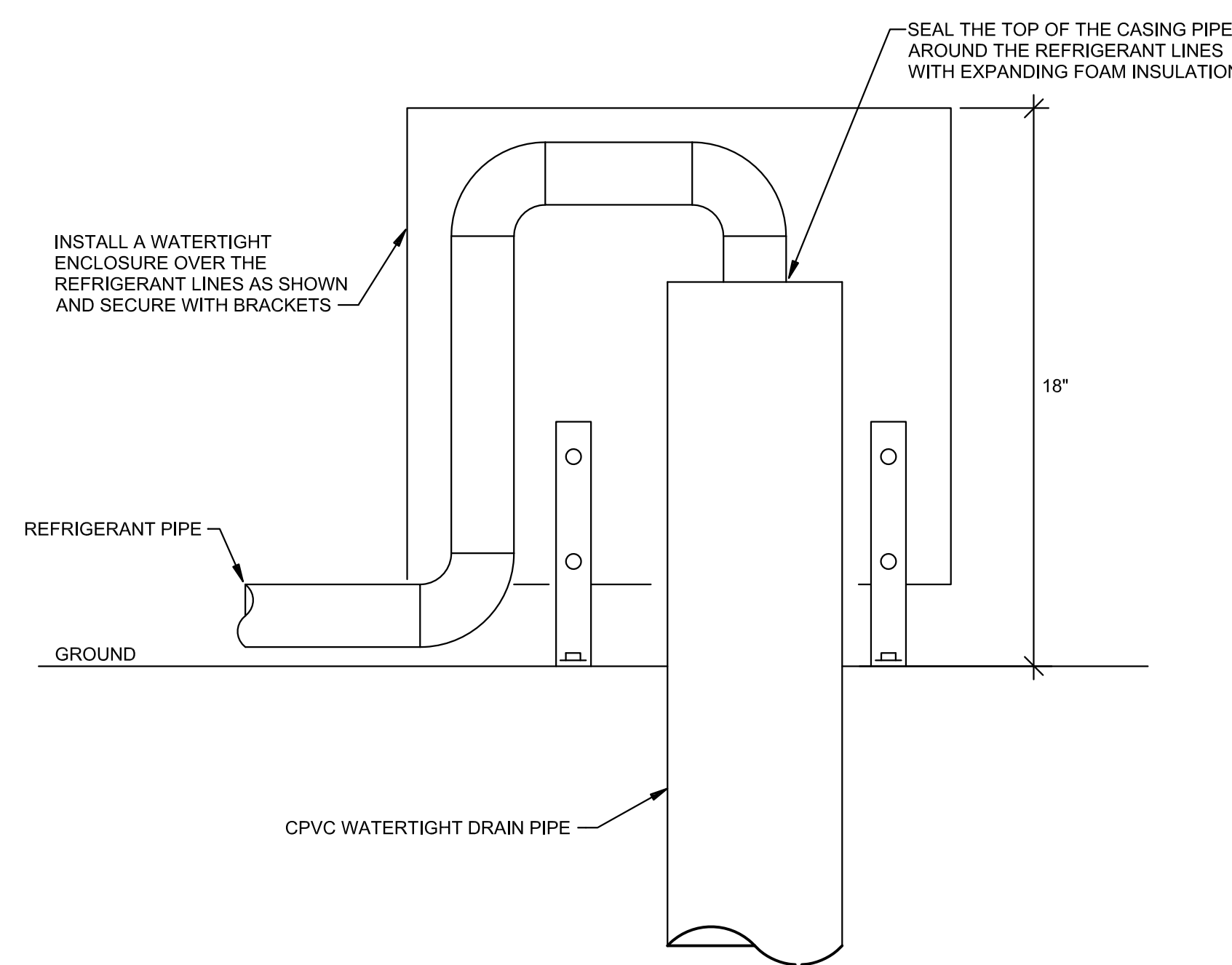
APPROVED: PROJECT COORDINATOR DATE:	APPROVED: SERVICE LINE DIRECTOR DATE:	APPROVED: INFECTION CONTROL NURSE/DATE:	DRAWING TITLE <b>MECHANICAL ENLARGED PLANS</b>	PROJECT TITLE <b>Upgrade Surveillance and Duesess Security System Campus Wide</b>
APPROVED: GEIS COORDINATOR DATE:	APPROVED: PATIENT SAFETY DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIR/EC DATE:	BUILDING NO. 009	PROJECT NO. 656-18-293
APPROVED: PROJECTS SECTION MANAGEMENT DATE:	APPROVED: CHIEF OF POLICE DATE:	APPROVED: CHIEF OF STAFF DATE:	CHECKED BY MLW	DRAWN CDE
APPROVED: DIRECTOR FMS DATE:	APPROVED: SAFETY MANAGER DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE:	LOCATION Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303	DRAWING NO. <b>009-MH-200</b> DWG. 15 OF 71



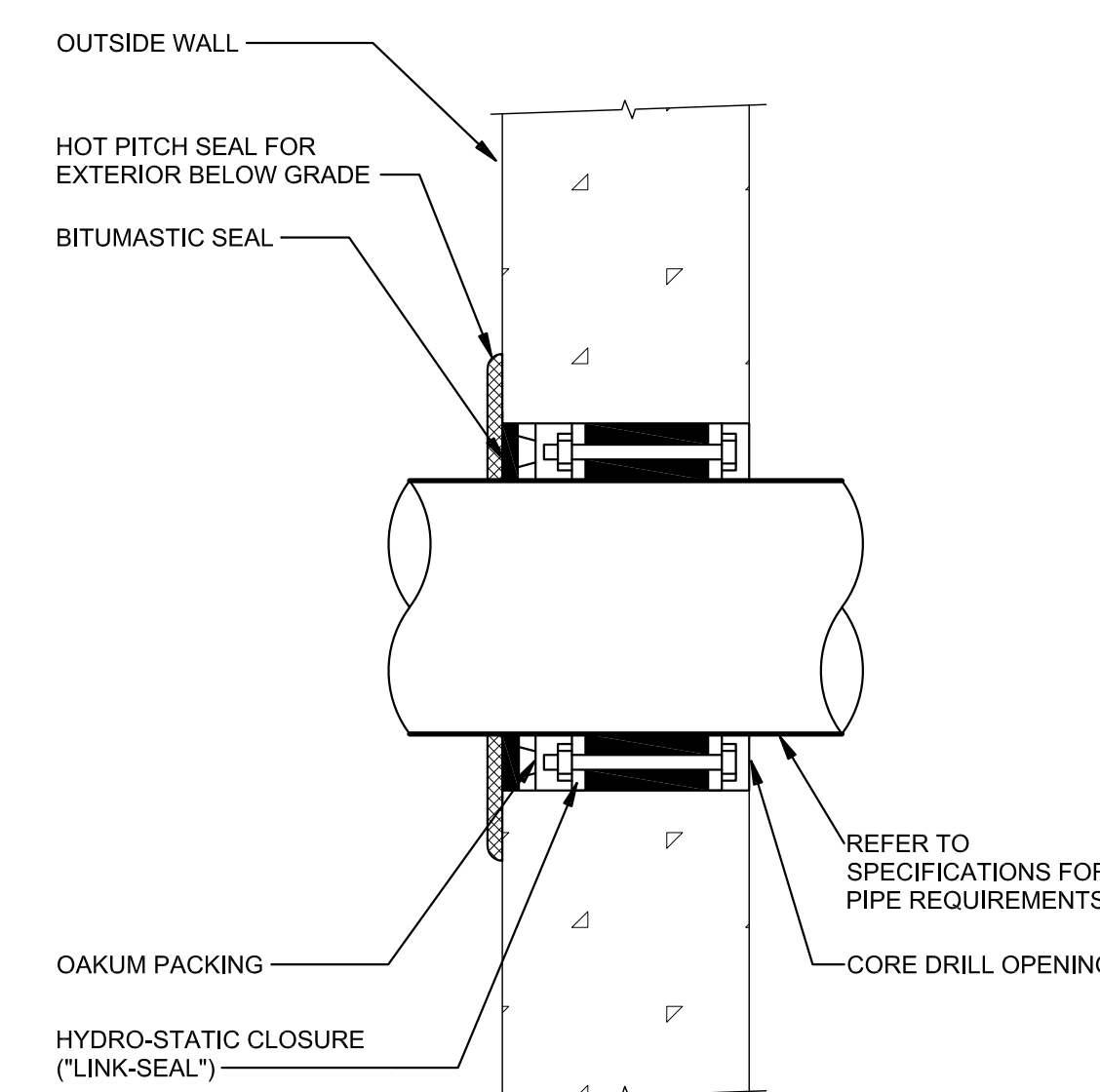
AIR DEVICE SCHEDULE														
NOTES:														
1. COORDINATE BORDER FRAME WITH ARCHITECTURAL PLANS.														
2. PROVIDE WITH BACKPAN WITH SQUARE TO ROUND ADAPTER TO ACCOMMODATE SCHEDULED NECK SIZE.														
MARK	ID	#	MFR.	MODEL	TYPE	LOCATION	SERVICE	NECK SIZE (IN)	FACE SIZE (IN x IN)	MATERIAL	FINISH	MAX TPD (IN WC)	MAX NOISE (NC)	NOTES
S	1		TITUS	OMNI	SQUARE PLAQUE	CEILING	SUPPLY AIR	4	12x12	STEEL	WHITE	0.1	30	1, 2
S	2		TITUS	301RL	LOUVERED FACE	WALL	SUPPLY AIR	6x6	8x8	STEEL	WHITE	0.1	30	1, 2
R	1		TITUS	OMNI-R	SQUARE PLAQUE	CEILING	RETURN AIR	4	12x12	STEEL	WHITE	0.1	30	1
R	2		TITUS	350RL	LOUVERED FACE	WALL	RETURN AIR	6x6	8x8	STEEL	WHITE	0.1	30	1

FAN COIL UNIT SCHEDULE														
NOTES:														
1. SEE EQUIPMENT DATA SCHEDULE ON SHEET 009-EP-500 FOR ELECTRICAL INFORMATION.														
2. PROVIDE WITH OPTIONAL CONDENSATE DRAIN PUMP HIDDEN IN FRAME OF FAN COIL. PUMP POWER SHALL BE HARD-WIRED DIRECTLY TO THE FAN COIL (NO SEPARATE ELECTRICAL CONNECTION).														
3. PROVIDE WITH FACTORY THERMOSTAT WITH BAS TIE-IN CAPABILITY (JOHNSON CONTROLS METASYS), INTEGRATE WITH EXISTING FACILITY BAS. PROVIDE STATUS, TEMPERATURE AND HUMIDITY, AND HIGH AND LOW RANGE ALARM MONITORING.														
4. PROVIDE FAN COIL BY MITSUBISHI OR EQUAL.														
MARK	ID	#	MFR	MODEL	TYPE	LOCATION	SERVICE	DESIGN SUMMER AMBIENT (°F)	DESIGN WINTER AMBIENT (°F)	MAX SND (DBA)	REFRIGERANT	MIN EFF (SEER)	ELECTRICAL DATA	NOTES
FCU	1		MITSUBISHI	PKA-A24	WALL MOUNTED	SCC SUPPORT	FCU-1	95	-20	45	R-410A	18.5	(1)	(2) (3) (4)
FCU	2		MITSUBISHI	PKA-A24	WALL MOUNTED	SCC	FCU-2	95	-20	45	R-410A	18.5	(1)	(2) (3) (4)

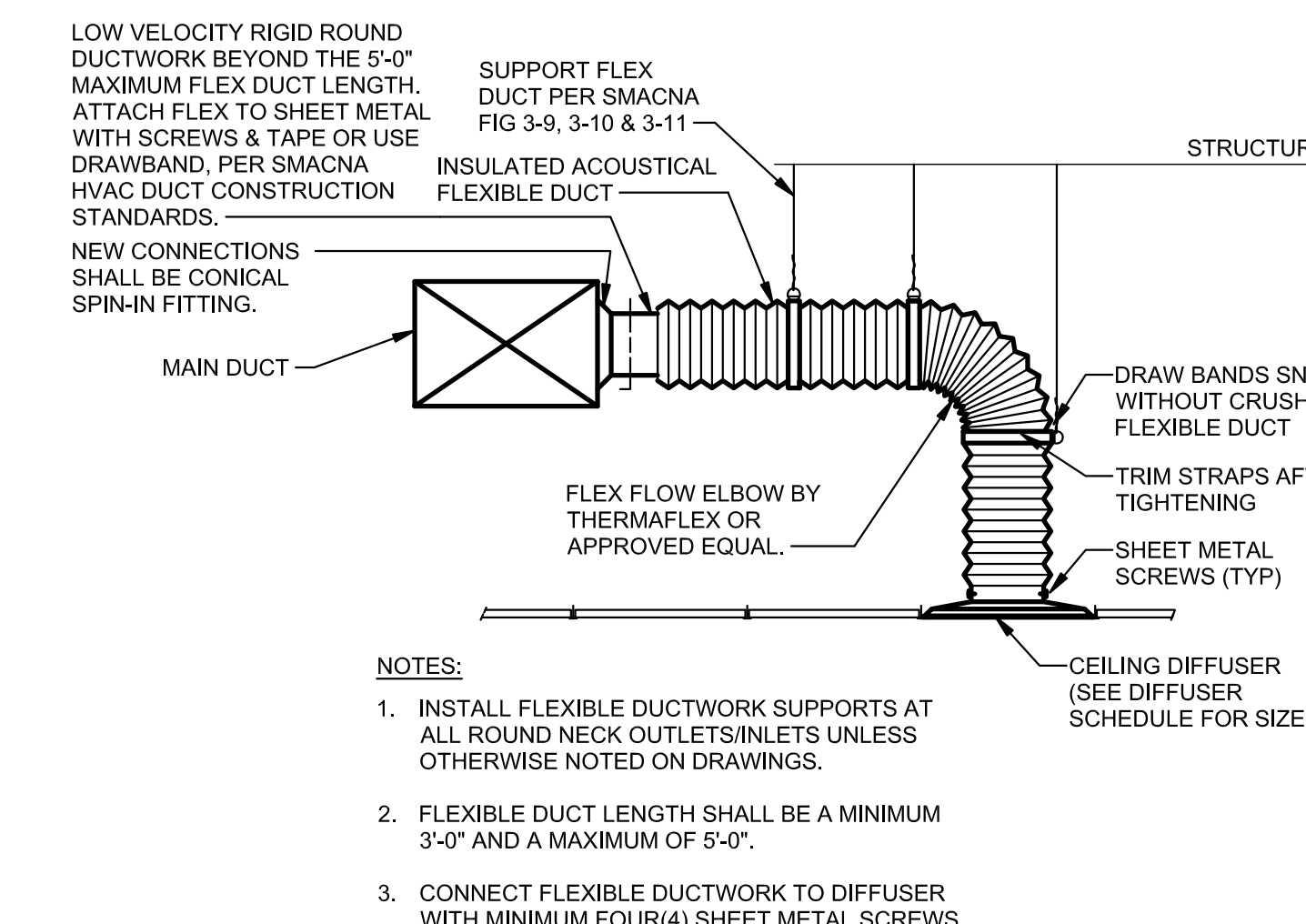
CONDENSING UNIT SCHEDULE														
NOTES:														
1. SEE ELECTRICAL DATA SCHEDULE SCHEDULE ON SHEET 009-EP-500 FOR ELECTRICAL INFORMATION.														
2. PROVIDE WITH WIND BAFFLE AS REQUIRED FOR WINTER OPERATION AS SHOWN.														
3. PROVIDE WITH HAIL GUARD.														
4. PROVIDE CONDENSING UNIT BY MITSUBISHI OR EQUAL.														
MARK	ID	#	MFR	MODEL	TYPE	LOCATION	SERVICE	DESIGN SUMMER AMBIENT (°F)	DESIGN WINTER AMBIENT (°F)	MAX SND (DBA)	REFRIGERANT	MIN EFF (SEER)	ELECTRICAL DATA	NOTES
CU	1		MITSUBISHI	PJY-A24	AIR-COOLED	COURTYARD	FCU-1	95	-20	45	R-410A	18.5	(1)	(2) (3) (4)
CU	2		MITSUBISHI	PJY-A24	AIR-COOLED	COURTYARD	FCU-2	95	-20	45	R-410A	18.5	(1)	(2) (3) (4)



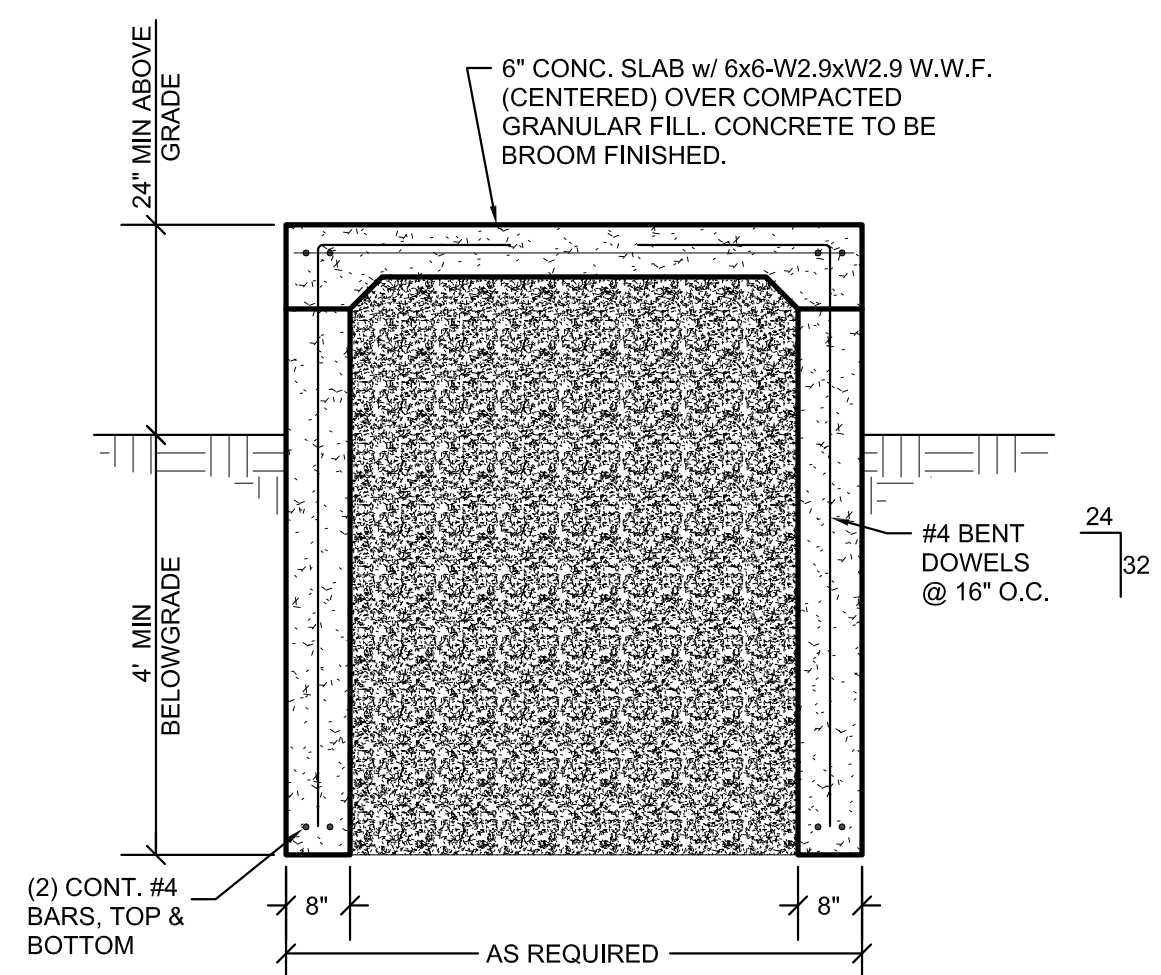
1 ENCLOSED PIPING IN A WATERTIGHT CASING PIPE AT GROUND PENETRATIONS  
NTS



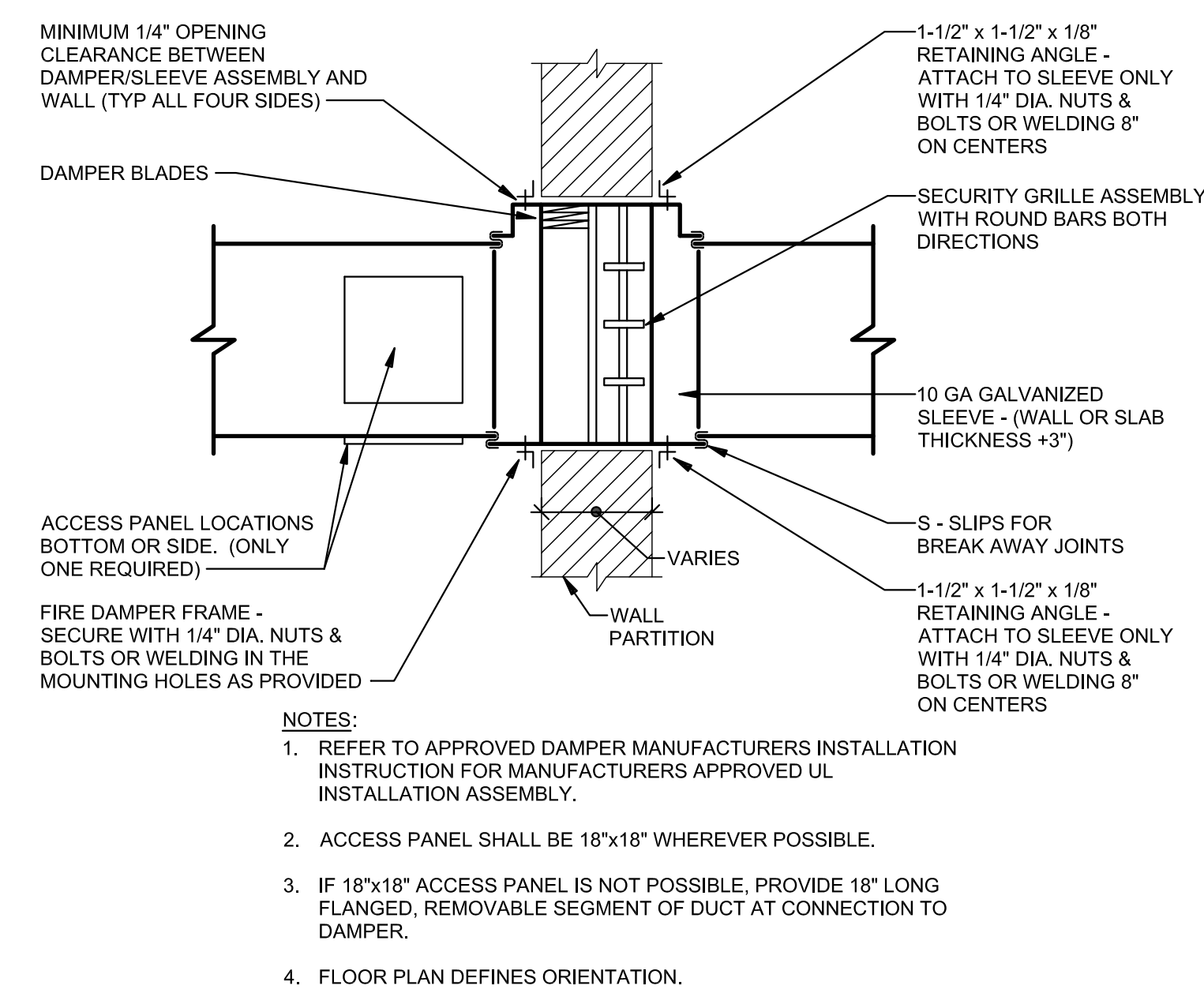
2 PIPE THROUGH EXTERIOR WALL  
NTS



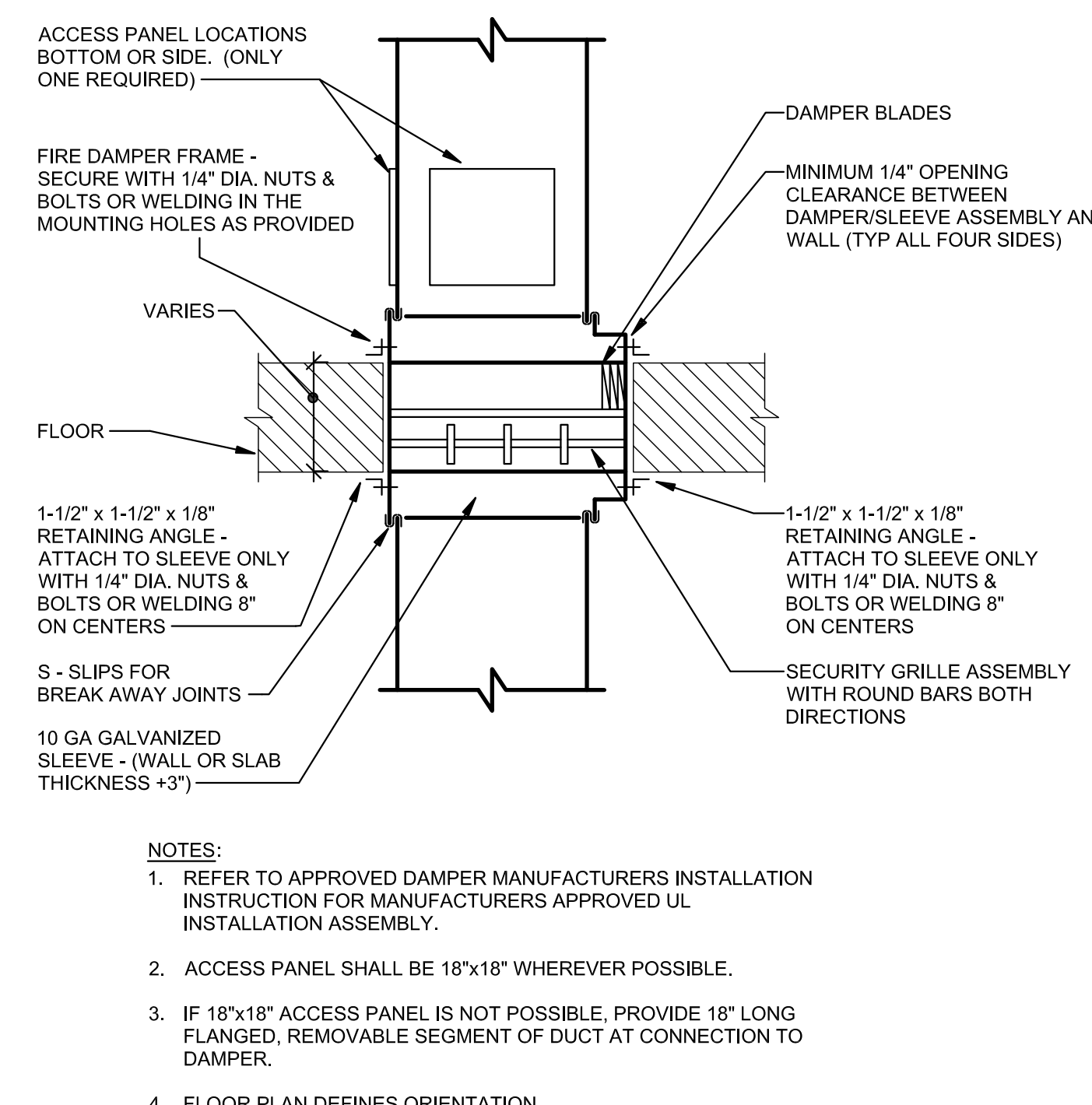
3 FLEXIBLE DUCT CONNECTION TO AIR OUTLET/INLET  
NTS



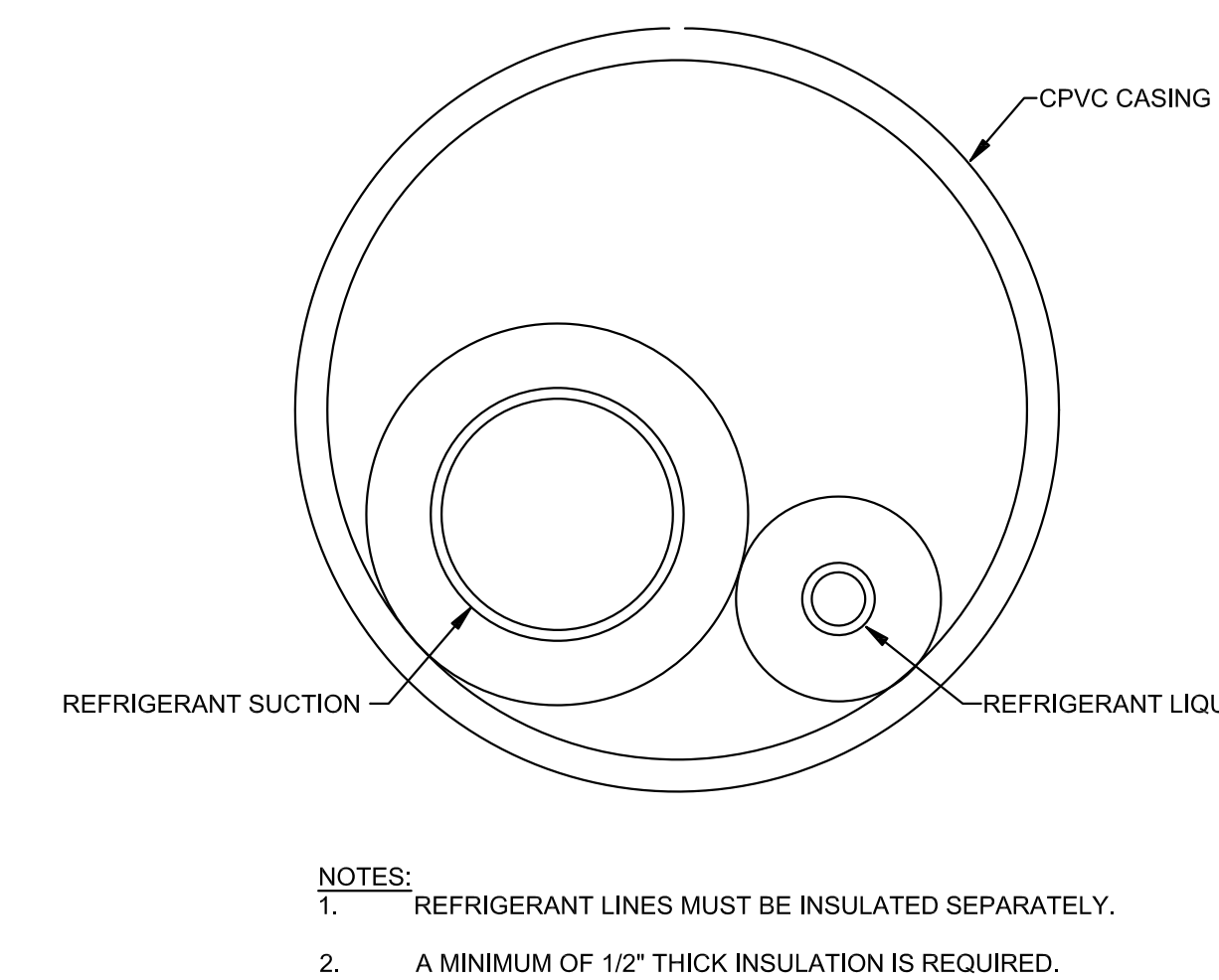
4 MECHANICAL EQUIPMENT PAD DETAIL  
NTS



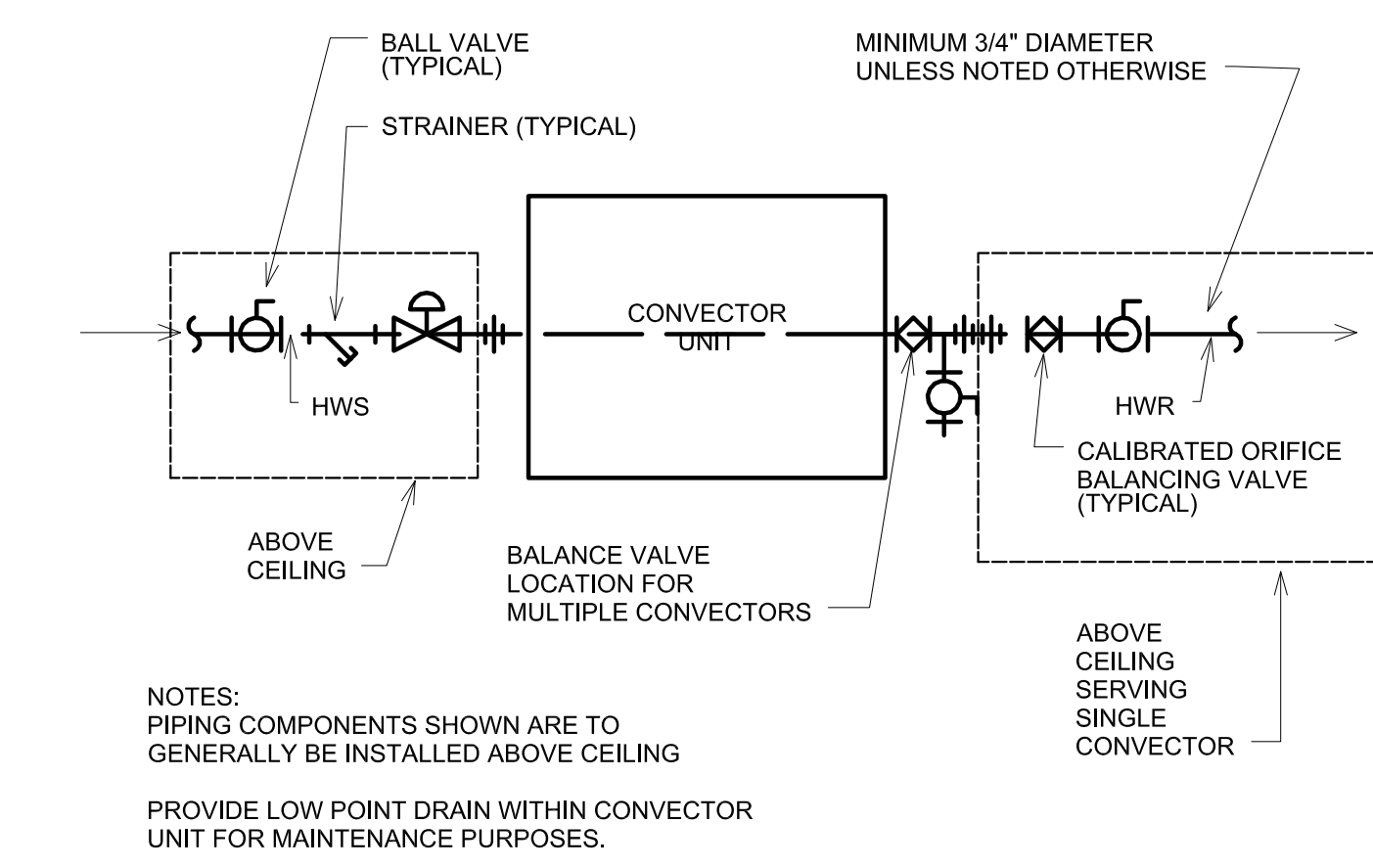
5 FIRE DAMPER WITH SECURITY BARS VERTICAL INSTALLATION DETAIL  
NTS



6 FIRE DAMPER WITH SECURITY BARS HORIZONTAL INSTALLATION DETAIL  
NTS



7 TYPICAL CROSS SECTION OF PIPING  
NTS



8 CONVACTOR PIPING DETAIL  
NTS

NO	REVISION	DATE
1	CONSTRUCTION SET	6/09/20

APPROVED: PROJECT COORDINATOR/DATE:	APPROVED: SERVICE LINE DIRECTOR DATE:	APPROVED: INFECTION CONTROL NURSE/DATE:	DRAWING TITLE MECHANICAL DETAILS AND SCHEDULES
APPROVED: GEMS COORDINATOR DATE:	APPROVED: PATIENT SAFETY DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIR. DATE:	PROJECT TITLE Upgrade Surveillance and Dursess Security System Campus Wide
APPROVED: PROJECTS SECTION MANAGER/DATE:	APPROVED: CHIEF OF POLICE DATE:	APPROVED: CHIEF OF STAFF DATE:	BUILDING NO. 009
APPROVED: DIRECTOR FMS DATE:	APPROVED: SAFETY MANAGER DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE:	CHECKED BY MLW
			DRAWN CDE
			LOCATION Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56383
			DRAWING NO. 009-MH-300
			DWG. 16 OF 71

CONSTRUCTION SET



U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System



ELECTRICAL LEGEND AND ABBREVIATIONS (SEE SPECIFICATIONS & SCHEDULES FOR ADDITIONAL INFORMATION)

- NOTES:  
 1. ALL SYMBOLS AND ABBREVIATIONS ARE NOT NECESSARILY USED ON THESE PLANS.  
 2. ALL MOUNTING HEIGHTS ARE TO CENTER LINE OF DEVICES AND EQUIPMENT UNLESS OTHERWISE NOTED.  
 3. IN GENERAL, SYMBOLS SHOWN WITH LIGHT LINES DENOTE EXISTING WORK. SYMBOLS SHOWN WITH HEAVY LINES DENOTE NEW WORK.

### ELECTRICAL GENERAL NOTES

- MAKE ALL INSTALLATIONS IN ACCORDANCE WITH THE ARCHITECTURAL BARRIERS ACT (ABA).
- MOUNTING HEIGHTS INDICATED WITHIN PLANS AND SCHEDULES ARE DIMENSIONED TO THE CENTER LINE OF THE DEVICE, EQUIPMENT, LUMINAIRE, ETC. UNLESS OTHERWISE NOTED.
- COORDINATE EXACT EQUIPMENT LOCATIONS WITH OTHER TRADES. EQUIPMENT LOCATIONS SHOWN ON ELECTRICAL PLANS ARE DIAGRAMMATICAL ONLY AND MIGHT NOT BE EXACT.
- CIRCUIT IDENTIFICATION NUMBERS BESIDE ELECTRICAL DEVICES AND CONNECTION POINTS ON PLANS CORRESPOND TO AN OVERCURRENT DEVICE IN THE DESIGNATED PANELBOARD. NOTE ALL CIRCUIT NUMBER CHANGES MADE IN THE FIELD AT EACH ELECTRICAL DEVICE AND CONNECTION POINT. CORRECT THE DIRECTORIES AND DEVICE MARKINGS AT PANELBOARDS AND SWITCHBOARDS TO ACCURATELY REFLECT THE AS-BUILT CONDITIONS.
- INSTALL LIFE SAFETY WIRING IN A SEPARATE RACEWAY FROM THAT OF ANY NORMAL POWER DEVICE.
- CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILINGS, OR BELOW FLOOR SLABS, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT ROUTED IN MECHANICAL ROOMS, ELECTRICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE ROUTED EXPOSED.
- COORDINATE VERTICAL CONDUIT ROUTING TO WALL MOUNTED DEVICES TO ENSURE DEVICES LOCATED WITHIN AN 18-INCH HORIZONTAL DIMENSION WILL BE CENTER-ALIGNED VERTICALLY.
- FIELD COORDINATE ALL ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT MOUNTING LOCATIONS TO AVOID ENCRoACHMENT OF OPERATION AND ACCESS TO EQUIPMENT FROM OTHER TRADES. COORDINATE THE APPROPRIATE MOUNTING LOCATION WITH THE AFFECTED DISCIPLINES WHEN EQUIPMENT IS SPECIFIED TO BE MOUNTED ONTO THE SURFACE OF ANOTHER DISCIPLINE'S EQUIPMENT.
- REPAIR ALL OPENINGS MADE IN EXISTING WALLS, PARTITIONS, ETC TO ACCOMMODATE WORK OF THIS DISCIPLINE TO MATCH THE SURROUNDING CONDITIONS AND PARTITION RATINGS, USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE. APPROPRIATELY GROUT OR SEAL ALL CONDUITS THROUGH WALLS.
- ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS MUST HAVE BEEN TESTED AND CERTIFIED TO THE SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.
- PERFORM ALL WELDING ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. FURNISH CERTIFICATES QUALIFYING EACH WELDER TO THE ARCHITECT OR ENGINEER PRIOR TO START OF WORK. THE ARCHITECT OR ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT NO ADDITIONAL EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.
- REPLACE OR REINSTALL ALL PORTIONS OF THE BUILDING (CEILING TILES, WALLS, ETC) REMOVED TO ACCOMMODATE THE INSTALLATION OF ANY ELECTRICAL DEVICE, EQUIPMENT, ETC., USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE.

### GENERAL DEMOLITION NOTES

- REMOVE, CAP AND RELOCATE EQUIPMENT, OUTLETS, CONDUIT, WIRE, ETC., AS SHOWN AND SPECIFIED ON DRAWINGS, AND AS MAY BECOME NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS. VISIBLY EXAMINE ALL EXISTING WALLS DESIGNATED FOR REMOVAL TO DETERMINE THE CONDUIT AND THE WIRING THAT WILL REQUIRE CAPPING AND REMOVAL, WHETHER OR NOT SUCH CONDITIONS ARE INDICATED ON THE DRAWINGS.
- MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING FIXTURES, EQUIPMENT, OUTLETS, ETC., TO REMAIN IN USE WHETHER NOTED ON THE PLANS OR NOT. FIELD VERIFY EXISTING ITEMS TO REMAIN IN USE. RECONNECT RACEWAYS AND WIRING FOR EXISTING CIRCUITS WHICH MUST BE RE-ROUTED OR WHICH ARE PARTIALLY ABANDONED TO POWER THE REMAINING OUTLETS ON THE CIRCUIT.
- REMOVE ALL UNUSED WIRING AND CABLES BACK TO THEIR SOURCE. REMOVE ALL UNUSED CONDUIT THAT IS EXPOSED OR ABOVE ACCESSIBLE CEILINGS WHICH IS AFFECTED BY OR IS IN THE AREA OF THE DEMOLITION WORK.
- THE INTENTION OF THE ELECTRICAL DEMOLITION DRAWINGS IS TO DISCONNECT AND REMOVE ALL ELECTRICAL WORK MADE VOID BY THE SCOPE OF THE CONSTRUCTION AND ALTERATION. FIELD VERIFY EXACT MATERIAL QUANTITIES REQUIRED TO BE REMOVED.
- DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, ASSOCIATED RACEWAYS, SUPPORTING HARDWARE, AND WIRING, WHICH HAVE BEEN MADE OBSOLETE BY THE WORK OR IS SHOWN DASHED ON THE ELECTRICAL DEMOLITION DRAWINGS, UNLESS OTHERWISE NOTED. ALTHOUGH AN ATTEMPT HAS BEEN MADE TO INDICATE ALL OF THIS WORK, TOTAL ACCURACY IS NOT GUARANTEED. VISIBLY EXAMINE ALL AREAS AND WALLS AND CEILINGS SCHEDULED FOR REMOVAL TO DETERMINE EXISTING ELECTRICAL ITEMS TO REMAIN.
- WHERE ELECTRICAL EQUIPMENT, CONDUIT, BOXES, AND SUPPORTING HARDWARE ARE REMOVED, PATCH AND FINISH THE SURFACE AS REQUIRED TO MATCH THE EXISTING, USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE.
- WHERE CONDUITS EXTENDING OUT OF A CONCRETE SLAB BECOME ABANDONED, CUT AND GRIND THE CONDUITS OFF FLUSH WITH TOP OF SLAB AND PLUG WITH NON-SHRINK WATERPROOF GROUT FILL.
- TAKE ALL REMOVED MATERIALS FROM THE PROJECT SITE, EXCEPT FOR THOSE TO BE RELOCATED, STORED, OR TURNED OVER TO THE OWNER.
- COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES.
- LEGALLY DISPOSE OF HAZARDOUS MATERIALS AND BALLASTS OR OTHER EQUIPMENT CONTAINING PCBs AND LAMPS CONTAINING MERCURY. COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS.
- MODIFY EXISTING PANELBOARD DIRECTORIES (OR REPLACE) FOR PANELBOARDS WHICH HAVE HAD ALTERATIONS TO THE CIRCUITS ORIGINATING THEREIN. DESCRIBE THE LOAD AND LOCATION, TYPE. DO NOT HAND LETTER NEW PANELBOARD DIRECTORIES.

### DRAWING REFERENCES

# PLAN DETAIL REFERENCE TITLE

KEYED NOTE DESIGNATION

PLAN NORTH NORTH ARROW

AHL1 PLAN MARK EQUIPMENT DESIGNATION REFER TO MEP SCHEDULE FOR CIRCUITING AND DEVICE REQUIREMENTS AND FLOOR PLANS FOR LOCATIONS

1 EQUIPMENT NUMBER

E100 PLAN MARK ENLARGED PLAN REFERENCE SHEET NUMBER

### ABBREVIATIONS

AFF : ABOVE FINISHED FLOOR  
 BLK : BLACK  
 B : BLUE  
 ER : EXISTING RELOCATED  
 ETR : EXISTING TO REMAIN  
 EWC : ELECTRIC WATER COOLER  
 GRN : GREEN  
 G : GROUND  
 GFCI : GROUND FAULT CIRCUIT INTERRUPTER  
 M : METERS  
 NEC : NATIONAL ELECTRICAL CODE  
 NEC : NETWORK ENTERPRISE CENTER  
 RD : RED  
 TR : TELECOMMUNICATIONS ROOM  
 TYP : TYPICAL  
 UON : UNLESS OTHERWISE NOTED  
 UTP : UNSHIELDED TWISTED PAIR  
 WHT : WHITE  
 XC : X INCH CONDUIT

### LINE TYPE LEGEND

EXISTING TO REMAIN (LIGHT, SOLID LINE)

NEW WORK (DARK, SOLID LINE)

EXISTING TO BE REMOVED (DARK, DASHED LINE, DEMOLITION PLANS)

NEW UNDERGROUND OR UNDERFLOOR WORK (DARK, LONG DASHED LINE)

### WIRING PLANS

- PROVIDE WIRING REQUIRED BY THE CIRCUITING AND SWITCHING REQUIREMENTS FOR THE PARTICULAR CIRCUITS INVOLVED. TYPICAL 120V HOMERUNS SHALL CONSIST OF #12 CONDUCTORS IN 3/4 INCH CONDUIT MINIMUM UNLESS INDICATED OTHERWISE.
- SHARED NEUTRALS ARE NOT ALLOWED.
- A MAXIMUM OF NINE CURRENT-CARRYING CONDUCTORS ARE ALLOWED IN A RACEWAY. NEUTRAL CONDUCTORS ARE CONSIDERED CURRENT-CARRYING CONDUCTORS.
- FOR CIRCUITS EXCEEDING 75 FEET IN LENGTH, PROVIDE THE NEXT LARGER WIRE SIZE FOR THE CIRCUIT AMPACITY.
- WHERE NUMBER OF CURRENT-CARRYING CONDUCTORS IN A RACEWAY EXCEEDS THREE, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED AS SHOWN IN THE ADJUSTMENT FACTOR TABLE IN THE NATIONAL ELECTRIC CODE. DO NOT USE LOAD DIVERSITY FACTORS WHEN SIZING CONDUCTORS. NEUTRAL CONDUCTORS SHALL BE COUNTED AS CURRENT-CARRYING CONDUCTORS.

CONDUIT TURNING UP

CONDUIT TURNING DOWN

CONDUIT CAPPED FOR FUTURE

HOMERUN TO PANEL OR DESTINATION NOTED (NOT ALL HOMERUNS SHOWN)

### POWER EQUIPMENT

NON-FUSED DISCONNECT SWITCH

FUSED DISCONNECT SWITCH OR ENCLOSED CIRCUIT BREAKER

PANELBOARD (SURFACE)

PANELBOARD (FLUSH)

TRANSFORMER

FUSIBLE SWITCH

DRAWOUT CIRCUIT BREAKER

CIRCUIT BREAKER

POWER TRANSFORMER

SURGE PROTECTION DEVICE

### WIRING DEVICES, RECEPTACLES - MISC.

- TYPICAL MOUNTING HEIGHT: +18 INCHES AFF
- SUBSCRIPT LEGEND:  
 A: ABOVE COUNTER; MOUNT +8 INCHES ABOVE BACKSPLASH OR WORK SURFACE.  
 C: CEILING; MOUNT FLUSH WITHIN CEILING TILE OR GYPSUM BOARD.  
 S: SWITCHED; PROVIDE ONE OUTLET CONTROLLED BY TOGGLE SWITCH.  
 U: UNDER COUNTER; WITHIN CABINETY OR CASEWORK.  
 M: MOTOR RATED TOGGLE SWITCH  
 IG: ISOLATED GROUND RECEPTACLE

SPECIAL PURPOSE OUTLET AS NOTED

DUPLEX RECEPTACLE OUTLET

DUPLEX RECEPTACLE OUTLET : GFCI TYPE

DOUBLE DUPLEX RECEPTACLE OUTLET

CONTROLLED RECEPTACLE OUTLET. RECEPTACLE SHALL BE PERMANENTLY MARKED.

ELECTRICAL CONNECTION

EMERGENCY POWER OFF BUTTON: WALL MOUNTED

SWITCH - TYPE AS INDICATED BY SUBSCRIPT

MULTI-SERVICE ON-GRADE FLOORBOX WITH DOUBLE DUPLEX RECEPTACLE

GROUND BUS BAR

### TELECOMMUNICATIONS

- TYPICAL MOUNTING HEIGHT: +18 INCHES AFF
- ALL TELECOMMUNICATION CONDUIT SHALL BE A MINIMUM OF 1" IN DIAMETER AND ROUTED TO THE NEAREST TELECOMMUNICATIONS ROOM OR CABLE TRAY. UNLESS OTHERWISE NOTED, PROVIDE INSULATED BUSHINGS ON ALL RACEWAYS. SEE SPECIFICATION SECTIONS 26.05.11 AND 26.05.33 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- PROVIDE SERVICE LOOP OF 12 INCHES IN DATA OUTLET BACKBOX AND 6 FEET IN TELECOMMUNICATIONS ROOM.
- BACKBOXES SHALL BE 4-11/16 INCH SQUARE BY 2-1/8 INCHES DEEP WITH SINGLE GANG MUD RING.
- PROVIDE TELECOMMUNICATIONS PULL BOXES AS REQUIRED PER TIA-569 AND SIZED IN ACCORDANCE WITH TIA-569.
- TERMINATE ALL DATA CABLING ON BOTH ENDS OF CABLE. COORDINATE WITH VA REPRESENTATIVE FOR TERMINATION STANDARD AND AVAILABLE PATCH PANEL IN TELECOMMUNICATIONS ROOM.

TYPICAL DATA OUTLET WITH 4 POSITION FACEPLATE & TOTAL OF (2) ACTIVE JACKS AND (2) CAT 6 CABLES. PROVIDE WITH (2) BLANK INSERTS AND (2) RJ-45 KEYSTONE TYPE JACKS.

### LUMINAIRES

- REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE DESCRIPTIONS.
- HALF-SHADING DESIGNATION INDICATES LUMINAIRE IS SWITCHED DURING NORMAL OPERATION, BUT UPON LOSS OF POWER, LUMINAIRE REVERTS TO 100% OUTPUT VIA BATTERY BACK-UP DRIVER, REGARDLESS OF THE STATUS OF THE LOCAL LIGHTING CONTROL DEVICE. EXTEND AN UNSWITCHED PORTION OF THE LIGHTING CIRCUIT SERVING AREA, AHEAD OF ALL LIGHTING CONTROLS, TO THIS DEVICE.
- SHADING LEGEND (APPLICABLE TO LUMINAIRE SYMBOLS):

NO SHADING

HALF-SHADING

DOWN LIGHT

EXIT SIGN

RECESSED LUMINAIRE

LUMINAIRE DESIGNATION KEY:  
 A: LUMINAIRE TYPE  
 1: CIRCUIT NUMBER  
 #: CONTROLLING SWITCH

### LIGHTING CONTROL DEVICES

- TYPICAL MOUNTING HEIGHT : 48 INCHES A.F.F. TO CENTER UNON.
- SUBSCRIPT LEGEND:  
 2: TWO-POLE SWITCH  
 3: THREE-WAY SWITCH  
 4: FOUR-WAY SWITCH  
 D: DIMMER - COORDINATE REQUIREMENTS FOR LUMINAIRE COMPATIBILITY  
 X: LOWERCASE SUBSCRIPT INDICATES THE SWITCH/LEG THE DEVICE CONTROLS.  
 LVKP: LOW VOLTAGE KEYPAD

SWITCH - TYPE AS INDICATED BY SUBSCRIPT

CEILING OCCUPANCY DETECTOR : DUAL TECHNOLOGY TYPE

WALL MOUNTED SINGLE SWITCH OCCUPANCY SENSOR: DUAL TECHNOLOGY TYPE

WALL MOUNTED DUAL SWITCH OCCUPANCY SENSOR: DUAL TECHNOLOGY TYPE

### FIRE ALARM, MASS NOTIFICATION, AND PUBLIC ADDRESS SYSTEMS

FIRE ALARM SCOPE OF WORK:

DISCONNECT ALL EXISTING DEVICES, CABLING, BOXES, ETC., WITHIN SCOPE OF WORK AREA AND SAVE FOR RE-USE. TEMPORARILY EXTEND CIRCUITS AS REQUIRED FOR A FULLY FUNCTIONAL FIRE ALARM SYSTEM DURING CONSTRUCTION. RECONNECT FIRE ALARM DEVICES AND PERFORM TESTING AS REQUIRED TO CONFIRM THAT THE SYSTEM IS FULLY FUNCTIONAL. INCLUDE PROGRAMMING OF EXISTING SYSTEM AS REQUIRED.

FIRE ALARM MANUAL STATION: +48 INCHES A.F.F. TO CENTER LINE

WALL MOUNTED SPEAKER WITH STROBE

CEILING MOUNTED SPEAKER WITH STROBE.

SMOKE DETECTOR : PHOTOELECTRIC TYPE, LOCATED ABOVE CEILING OR SURFACE MOUNTED IF NO CEILING.

SMOKE DAMPER

CEILING MOUNTED SPEAKER

FIRE ALARM CONTROL PANEL

### JUNCTION AND PULL BOXES

JUNCTION BOX - SIZE PER N.E.C. REQUIREMENTS.

WALL MOUNTED JUNCTION BOX

PULL BOX

CARD READER, DUAL AUTHENTICATION

ELECTRIC STRIKE

REQUEST TO EXIT SENSOR

DOOR CONTACT

### SCOPE OF WORK NOTE:

PROVIDE DEDICATED 120V POWER BRANCH CIRCUIT(S) AT IT CLOSETS AND SDF (SECURITY CLOSET) LOCATIONS SERVING ALL NEW SECURITY SYSTEM EQUIPMENT. SEE QY SERIES OF DRAWINGS FOR LOCATIONS AND ADDITIONAL INFORMATION. FEED BRANCH CIRCUIT(S) FROM CRITICAL BRANCH OR OPTIONAL STANDBY EMERGENCY PANELBOARDS. CONFIRM ELECTRICAL LOADS OF SECURITY EQUIPMENT WITH THE SECURITY CONTRACTOR ON A PER LOCATION BASIS AND BASED ON ACTUAL SECURITY EQUIPMENT APPROVED BY THE VA. FIELD VERIFY AVAILABLE SPARE CIRCUIT BREAKERS WITHIN EACH PANELBOARD SERVING THE IT CLOSETS AND SDF LOCATIONS. IF AVAILABLE SPARE CIRCUITS ARE NOT AVAILABLE, PROVIDE 20A, 1 POLE CIRCUIT BREAKERS WITHIN THE NEAREST CRITICAL POWER BRANCH OR OPTIONAL STANDBY EMERGENCY PANELBOARD WITH SPARE CAPACITY AND SPACE. IF 120V EMERGENCY POWER IS NOT AVAILABLE VIA CRITICAL POWER BRANCH OR OPTIONAL STANDBY PANELBOARD AT ANY LOCATION, NOTIFY THE CLIENT IN WRITING AND PROVIDE POWER FROM THE NEAREST AVAILABLE NORMAL POWER BRANCH PANELBOARD.

NO	REVISION	DATE
1	CONSTRUCTION SET	6/08/20

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:	DRAWING: ELECTRICAL SYMBOLS AND ABBREVIATIONS	PROJECT TITLE: Upgrade Surveillance and Duesess Security System Campus Wide
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: CHIEF OF STAFF	BUILDINGS: 999
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: SAFETY MANAGER	CHECKED BY: TJB
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: SAFETY MANAGER	DRAWN CRB
							LOCATION: Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303
							DRAWINGS: 909-EP-000 DWG. 19 OF 21

## CONSTRUCTION SET

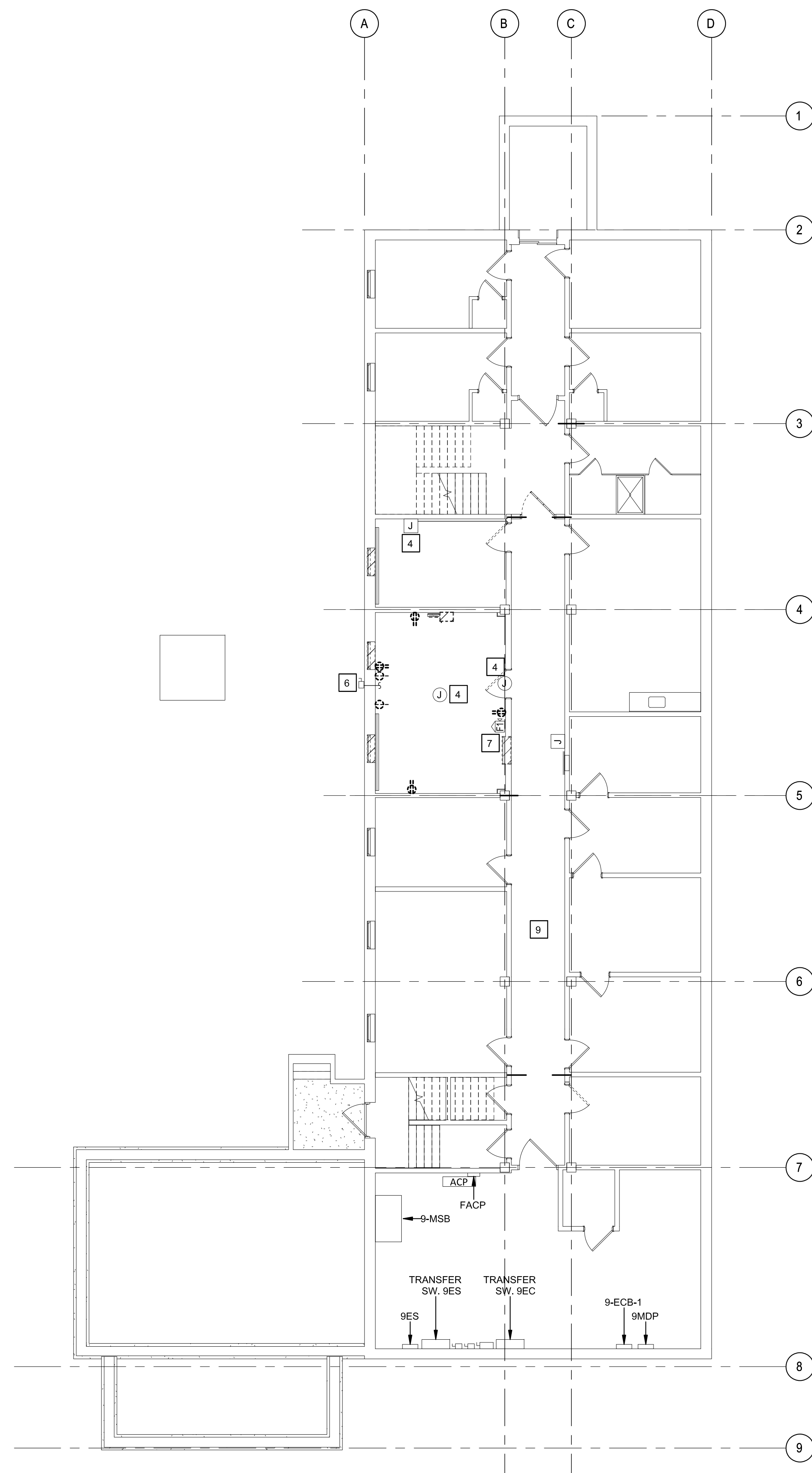
U.S. Department of Veterans Affairs  
 Veterans Health Administration  
 St. Cloud VA Health Care System

**GENERAL SHEET NOTES**

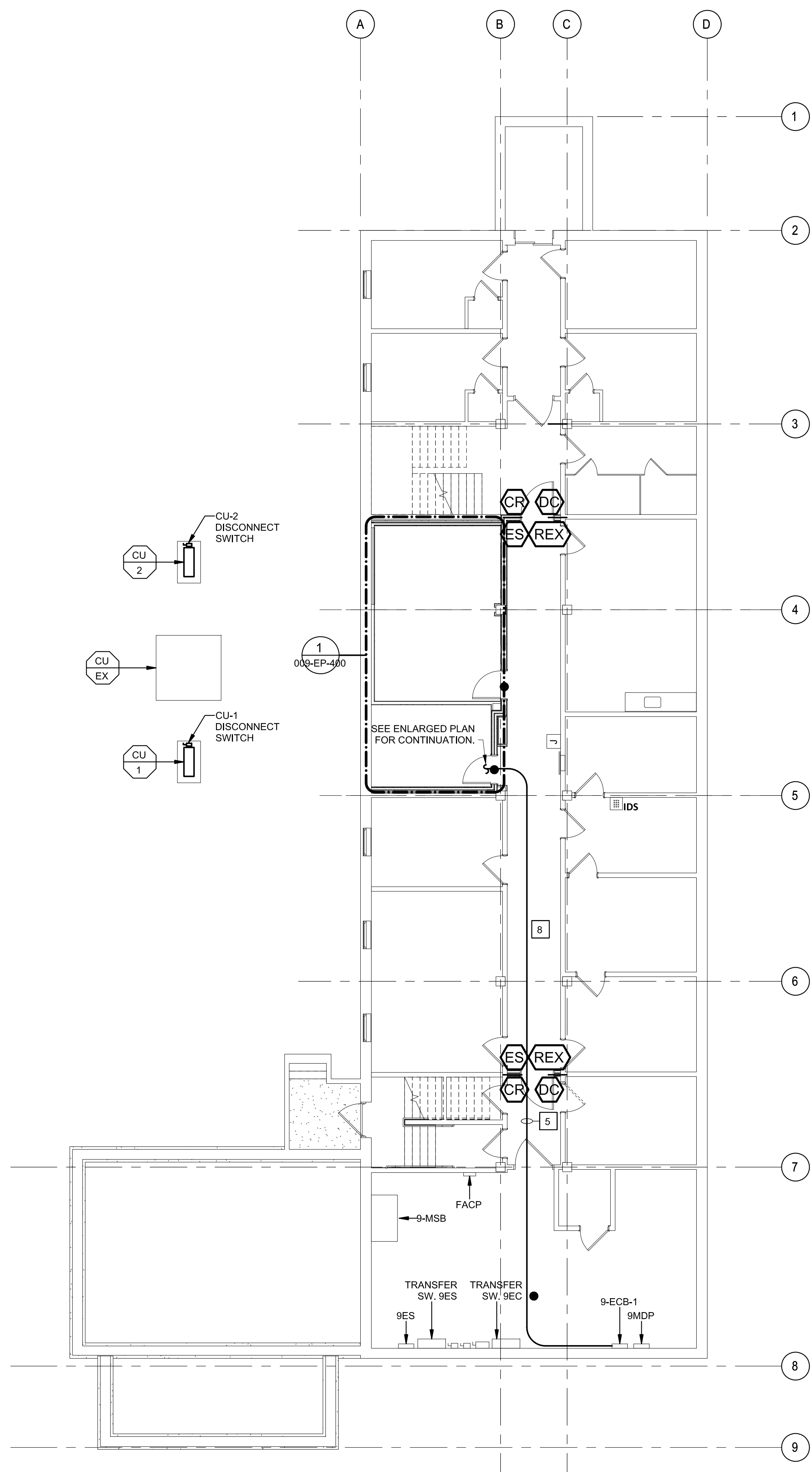
- A. FEEDER AND BRANCH CIRCUIT ROUTING SHOWS DIAGRAMMATIC ONLY. FIELD COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS.
- B. EXISTING FIRE ALARM, MASS NOTIFICATION, AND PUBLIC ADDRESS SYSTEM FUNCTIONALITY SHOULD BE MAINTAINED FOR THE DURATION OF THE PROJECT.
- C. NOT ALL EXISTING DEVICES AND EQUIPMENT SHOWN FOR CLARITY.

**KEYED NOTES**

- 1. UNLESS OTHERWISE NOTED, DEMOLISH WIRING DEVICES BELOW THE CEILING, LIGHTING, AND ASSOCIATED WIRING AND CONDUIT.
- 2. TEMPORARILY RELOCATE AND PROTECT IN PLACE CEILING MOUNTED SPEAKER AS REQUIRED TO FACILITATE DEMOLITION SCOPE OF PROJECT. EXISTING SPEAKER SYSTEM SHALL REMAIN FULLY FUNCTIONAL FOR DURATION OF PROJECT.
- 3. TEMPORARILY RELOCATE AND PROTECT IN PLACE CEILING MOUNTED FIRE ALARM DEVICE AS REQUIRED TO FACILITATE DEMOLITION SCOPE OF PROJECT. EXISTING FIRE ALARM DEVICE SHALL REMAIN FULLY FUNCTIONAL FOR THE DURATION OF THE PROJECT.
- 4. PROTECT IN PLACE EXISTING FIRE ALARM JUNCTION BOX AND CABLING FOR DURATION OF PROJECT.
- 5. ROUTE FEEDER ABOVE CEILING. SEE RISER DIAGRAM FOR MORE INFORMATION.
- 6. PROTECT IN PLACE EXISTING MECHANICAL EQUIPMENT FEEDER.
- 7. TEMPORARILY REMOVE OR PROTECT IN PLACE FIRE ALARM DEVICES TO SUPPORT SCOPE OF PROJECT.
- 8. REINSTALL SALVAGED CEILING MOUNTED DEVICES.
- 9. SALVAGE & REINSTALLED ALL CEILING MOUNTED DEVICES IN CORRIDOR INCLUDING EXIT SIGNS.
- 10. KEYED NOTE #10 NOT USED.



PLAN NORTH  
**1** OVERALL BUILDING 9 BASEMENT FLOOR PLAN - DEMOLITION  
 1/8" = 1'-0"



PLAN NORTH  
**2** OVERALL BUILDING 9 BASEMENT FLOOR PLAN - NEW WORK  
 1/8" = 1'-0"

**CONSTRUCTION SET**

NO	REVISION	DATE

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:
APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: CHIEF OF STAFF	DATE:
APPROVED: DIRECTOR FMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:

DRAWING TITLE <b>OVERALL DEMOLITION AND NEW WORK FLOOR PLAN</b>		PROJECT TITLE <b>Upgrade Surveillance and Duesess Security System Campus Wide</b>		PROJECT NO. 656-18-283	
BUILDING NO. 009	CHECKED BY TJB	DRAWN BY CRB	SCALE AS INDICATED	DATE 6/08/20	
LOCATION Saler Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303		DRAWING NO. <b>009-EP-100</b>			
		DWG. 29 OF 71			

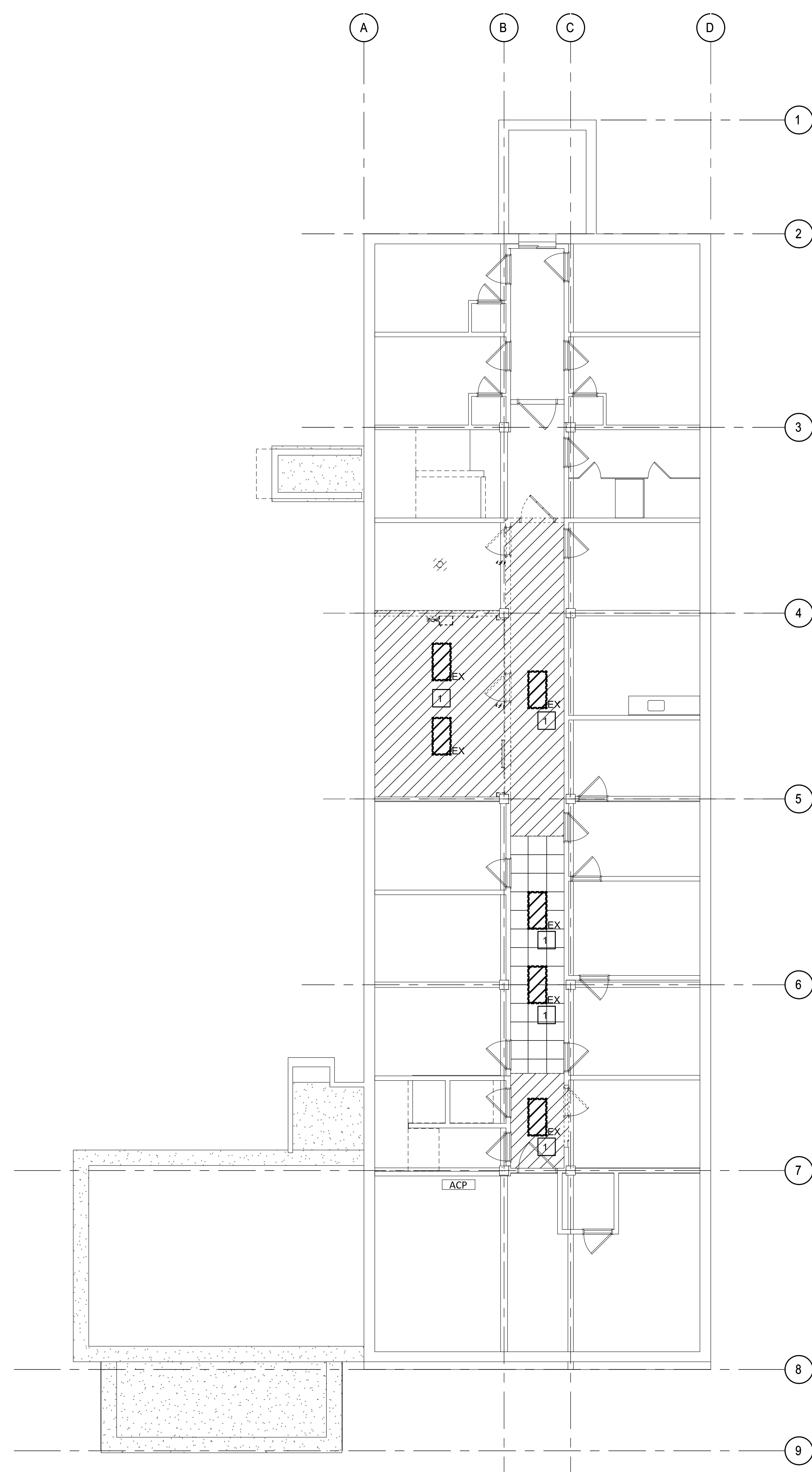


**GENERAL SHEET NOTES**

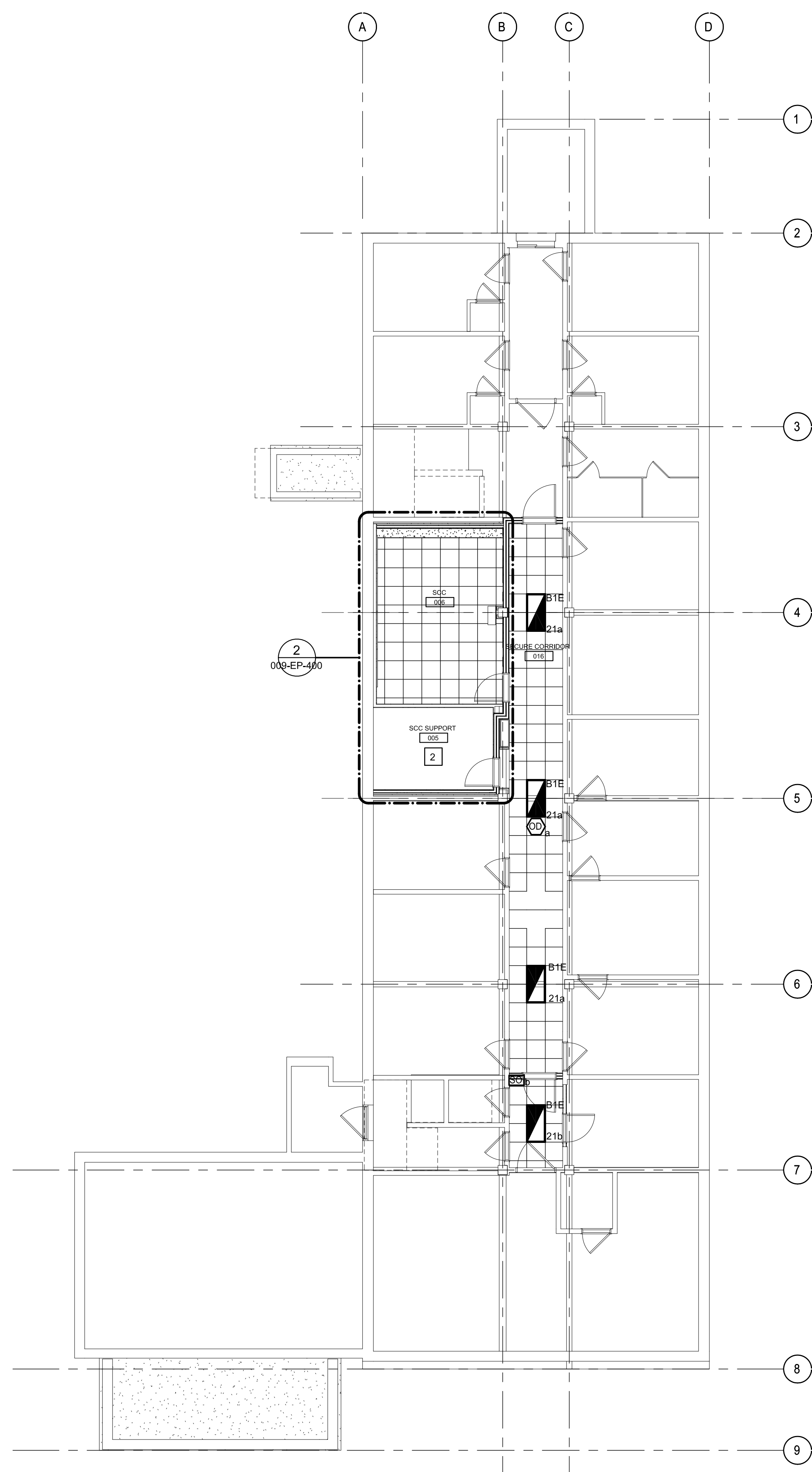
A. REFER TO SHEET 009-EP-000 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.

**KEYED NOTES**

1. DEMOLISH LIGHT FIXTURE AND RETAIN EXISTING LIGHTING CIRCUITS TO FACILITATE WORK ABOVE THE CEILING. PROVIDE TEMPORARY LIGHTING AS NEEDED.
2. PANELBOARD 9-ECB-1A IS LOCATED IN SCC SUPPORT.



PLAN NORTH  
**1** OVERALL BUILDING 9 BASEMENT LIGHTING PLAN - DEMOLITION  
 1/8" = 1'-0"



PLAN NORTH  
**2** OVERALL BUILDING 9 BASEMENT LIGHTING PLAN - NEW WORK  
 1/8" = 1'-0"

**CONSTRUCTION SET**

NO	REVISION	DATE

APPROVED: PROJECT COORDINATOR DATE:	APPROVED: SERVICE LINE DIRECTOR DATE:	APPROVED: INFECTION CONTROL NURSE/DATE:	DRAWING TITLE <b>OVERALL DEMOLITION AND NEW WORK CEILING PLAN</b>	PROJECT TITLE <b>Upgrade Surveillance and Duress Security System Campus Wide</b>	PROJECT NO. 656-18-293
APPROVED: GEMS COORDINATOR DATE:	APPROVED: PATIENT SAFETY DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIR/DATE:	APPROVED: CHIEF OF STAFF DATE:	BUILDING NO. 009	PROJECT NO. 656-18-293
APPROVED: PROJECTS SECTION MANAGER/DATE:	APPROVED: CHIEF OF POLICE DATE:	APPROVED: CHIEF OF STAFF DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE:	CREATED BY TJB	DRAWN BY CRB
APPROVED: DIRECTOR RMS DATE:	APPROVED: SAFETY MANAGER DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE:	LOCATION Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303	DRAWING NO. <b>009-EP-101</b>	DWG. 21 OF 71

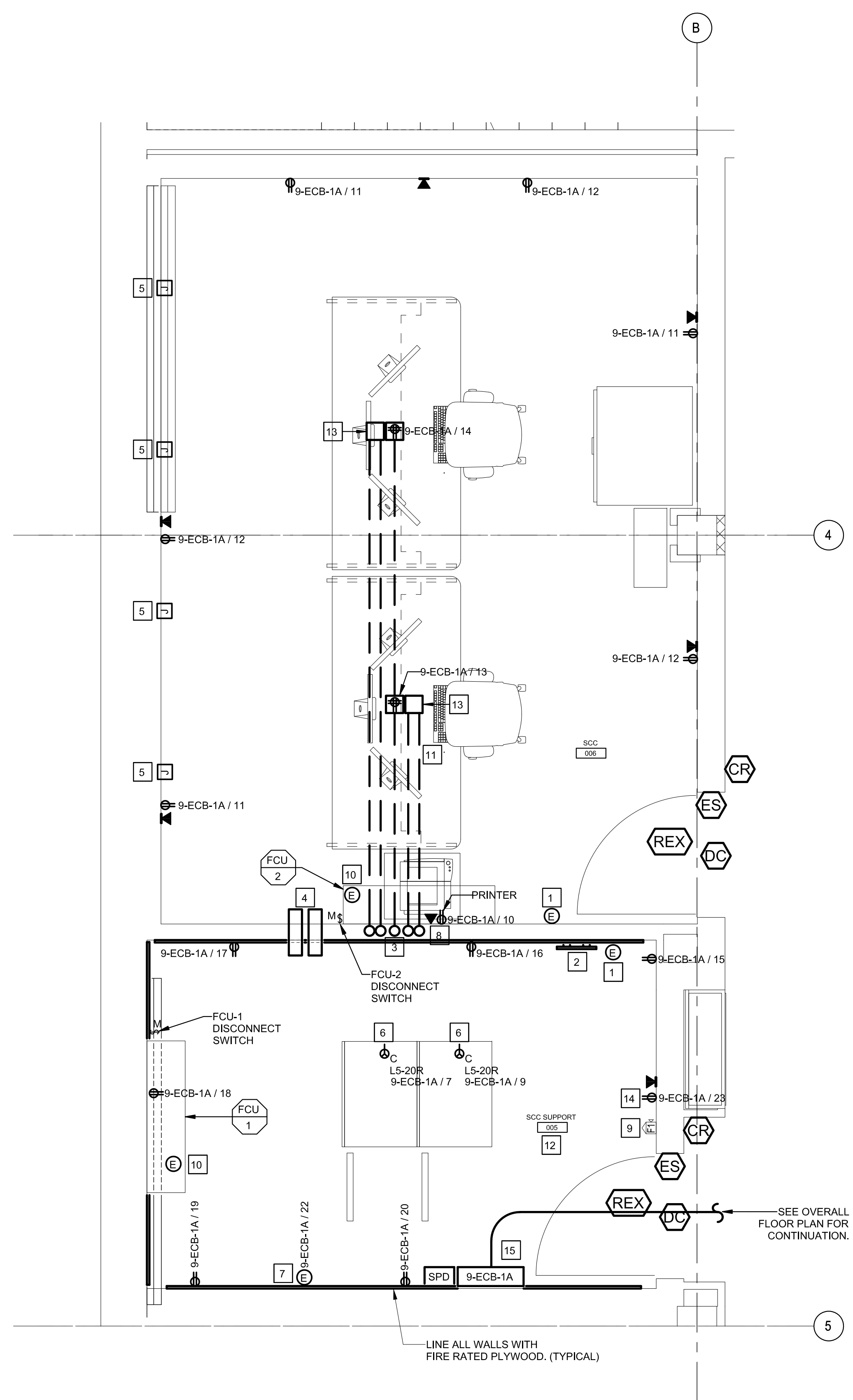


**GENERAL SHEET NOTES**

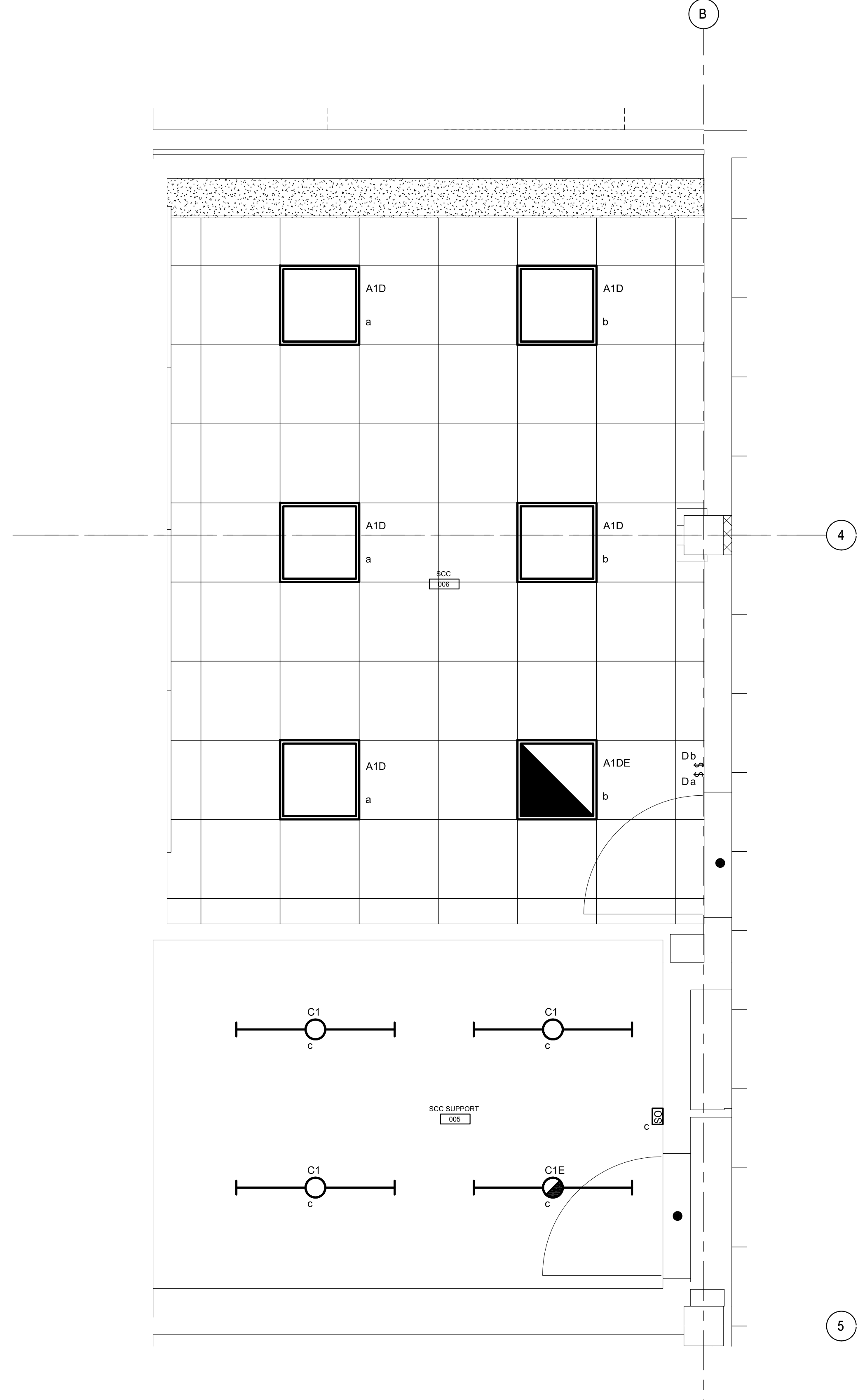
- A. SAW CUT EXISTING FLOOR AS REQUIRED FOR CONDUITS AND FLOOR BOXES.
- B. WALL MOUNTED GENERAL RECEPTACLES IN SCC SUPPORT ROOM TO BE MOUNTED 48" AFF.
- C. DISCONNECT EXISTING FIRE DAMPERS AND MAKE SAFE FOR REPLACEMENT BY DIVISION 23. RECONNECT EXISTING CABLING AFTER FIRE DAMPERS ARE REPLACED. SEE MECHANICAL FLOOR PLANS FOR ADDITIONAL INFORMATION.

**KEYED NOTES**

1. PROVIDE #6 GROUNDING CONNECTION FOR ANTI-STATIC FLOORING TO GROUND BUSBAR.
2. MOUNT GROUNDING BUSBAR AT 60 INCHES AFF. BOND TO BUILDING GROUNDING ELECTRODE SYSTEM IN MECHANICAL ROOM USING BARE #4/0 COPPER CONDUCTOR.
3. (5) 2 INCH CONDUITS WITH PULL STRING FROM FLOOR BOX TO ABOVE FINISHED CEILING ROUTED IN FLOOR AND UP WALL.
4. PROVIDE (2) 4 INCH FIRE RATED SLEEVES ABOVE CEILING. COORDINATE WITH DIVISION 28 FOR EXACT LOCATION.
5. PROVIDE FLUSH MOUNTED 4 INCH SQUARE BACK BOX WITH SINGLE GANG FACEPLATE WITH (2) 2 INCH CONDUIT WITH PULLSTRINGS ROUTED UP WALL AND STUBBED ABOVE CEILING. COORDINATE WITH DIVISION 28 FOR EXACT MOUNTING HEIGHT AND LOCATION.
6. MOUNT RECEPTACLE ABOVE EQUIPMENT RACKS. COORDINATE WITH DIVISION 28 FOR EXACT LOCATION.
7. 120V BRANCH CIRCUIT FOR MECHANICAL CONTROLS POWER SUPPLY. COORDINATE WITH DIVISION 23.
8. PROVIDE FLUSH MOUNTED 4 SQUARE BOX WITH 1 INCH CONDUIT WITH PULL STRING TO ABOVE CEILING.
9. RECONNECT PREVIOUSLY RETAINED EXISTING FIRE ALARM DEVICES. EXTEND EXISTING CIRCUITS AS REQUIRED.
10. CONNECTION FOR FAN COIL UNIT (FCU). FCU IS FED FROM CONDENSING UNIT (CU) LOCATED OUTSIDE.
11. LOCATE FLOOR BOXES AND (5) CONDUITS IN SAWCUT TRENCH. COORDINATE FLOOR BOX LOCATIONS WITH FURNITURE LAYOUT.
12. SURFACE MOUNT ALL DEVICES IN ROOM.
13. PROVIDE FOUR COMPARTMENT 11-GANG FLOOR BOX SUITABLE FOR USE ON GRADE. FLOOR BOX SHALL HAVE MINIMUM THREE 3-INCH KNOCKOUTS PER SIDE. SIMILAR TO RFB11-0G.
14. PROVIDE DUPLEX RECEPTACLE. PLUG AND CORD FOR CONNECTION TO TRAP PRIMER BY DIVISION 22.
15. COORDINATE WITH DIVISION 22 PRIOR TO INSTALLATION OF PANELBOARD AND PIPING TO ENSURE DEDICATED ELECTRICAL CLEARANCES ARE MET.



PLAN NORTH  
**1** ENLARGED BUILDING 9 BASEMENT PLAN - POWER AND SYSTEMS  
 1/2" = 1'-0"



PLAN NORTH  
**2** ENLARGED BUILDING 9 BASEMENT PLAN - LIGHTING  
 1/2" = 1'-0"

**CONSTRUCTION SET**

NO	REVISION	DATE
1	CONSTRUCTION SET	6/08/20

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:
APPROVED: DEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: CHIEF OF STAFF	DATE:
APPROVED: DIRECTOR FMS	DATE:	APPROVED: SAFETY MANAGER	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:

PROJECT TITLE <b>ENLARGED PLANS - NEW WORK</b>		PROJECT TITLE <b>Upgrade Surveillance and Duesess Security System Campus Wide</b>	
BUILDING NO. 009	CHECKED BY TJB	DRAWN CRB	PROJECT NO. 656-18-293
LOCATION Saint Cloud VA Health Care System 4801 Veterans Drive St. Cloud, MN 56303		DRAWING NO. <b>009-EP-400</b> DWG. 22 OF 71	



LUMINAIRE SCHEDULE

LUMINAIRE SCHEDULE GENERAL NOTES:

- 1. PROVIDE ALL MISCELLANEOUS HARDWARE, CLIPS, ANGLES, FRAMES, ETC. AS REQUIRED TO MOUNT THE LUMINAIRES IN OR ON THE SURFACES THEY ARE TO BE INSTALLED.
2. REFER TO ARCHITECTURAL DOCUMENTS FOR EXACT MOUNTING LOCATIONS OF LUMINAIRES AND CEILING TYPES.
3. USE THE LUMINAIRE MANUFACTURER'S RECOMMENDED MOUNTING HARDWARE AND FOLLOW ALL MANUFACTURER'S INSTALLATION DIRECTIONS WHEN INSTALLING LUMINAIRES.
4. UNLESS OTHERWISE NOTED, ALL LUMINAIRES SHALL HAVE A MINIMUM COLOR RENDERING INDEX (CRI) OF 90 AND A CORRELATED COLOR TEMPERATURE (CCT) OF 3500 KELVIN.
5. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION CONCERNING LUMINAIRES, FINISHES, DRIVERS, ETC.
6. BASIS-OF-DESIGN MANUFACTURE IS LISTED. COMPLETE CATALOG NUMBER MAY NOT BE LISTED. SELECT LUMINAIRE BASED ON DESCRIPTION, PARTIAL CATALOG NUMBER AND SPECIFICATIONS.
7. VERIFY COMPATIBILITY OF ALL DIMMING DRIVERS WITH DIMMING CONTROLS PRIOR TO ORDERING AND PROVIDE ADDITIONAL ITEMS (RELAYS, POWER PACKS, ETC.) TO CREATE A COMPLETE AND FULLY FUNCTIONAL INSTALLATION.
8. ORDER LIGHTING FIXTURES AND MOUNTING KITS APPROPRIATE FOR THE INSTALLATION LOCATION FOR EACH LUMINAIRE.

Table with 7 columns: LUMINAIRE TYPE, DESCRIPTION, MANUFACTURER, LUMEN OUTPUT, INPUT WATTAGE, VOLTAGE, REMARKS. Includes rows for A1D, B1E, C1, C1E, and EX.

EQUIPMENT DATA SCHEDULE

- NOTES: 1. ALL MAGNETIC AND SOLID STATE STARTERS ARE TO BE EQUIPPED WITH AUXILIARY CONTACTS, PILOT LIGHTS AND FUSED CONTROL POWER TRANSFORMERS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. FIRE ALARM INTERLOCK.
3. INTEGRAL DISCONNECT SWITCH.
4. MOUNT DISCONNECT SWITCH ON EQUIPMENT HOUSING.
5. INDOOR UNIT FED FROM OUTDOOR UNIT.
6. INTEGRAL GFI RECEPTACLE INCLUDED WITH UNIT.
BRANCH CIRCUIT: REFER TO FEEDER SCHEDULE WHEN THIS COLUMN CONTAINS A FEED DESIGNATION INSTEAD OF CONDUCTOR SIZE.
DISCONNECT SWITCH TYPE: NF - NON-FUSED; F - FUSED; TOG - TOGGLE; REC - DUPLEX RECEPTACLE.
STARTER TYPE: COMB1 - COMBINATION FULL VOLTAGE NON-REVERSING MAGNETIC STARTER WITH FUSED DISCONNECT SWITCH; COMB2 - COMBINATION FULL VOLTAGE NON-REVERSING MAGNETIC STARTER WITH UNFUSED DISCONNECT SWITCH; COMB3 - COMBINATION FULL VOLTAGE NON-REVERSING MAGNETIC STARTER WITH THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKER DISCONNECT; COMB4 - COMBINATION FULL VOLTAGE NON-REVERSING MAGNETIC STARTER WITH MAGNETIC ONLY MOLDED CASE CIRCUIT BREAKER DISCONNECT.
STARTER ACCESSORIES: HOAP - HOA WITH PILOT LIGHT; PB - START/STOP PUSH BUTTON (MOMENTARY CONTACT).
SPECIFICATION DIVISION NUMBER: DIVISION 21 - FIRE PROTECTION; DIVISION 22 - PLUMBING; DIVISION 23 - MECHANICAL; DIVISION 26 - ELECTRICAL.

Table with columns: MARK, ID, #, EQUIPMENT, LOCATION, FURNISH BY, AMPS, KW, HP, VOLTS, PHASE, MIN SCCR, INST. BY, CONN. BY, FED FROM, BRANCH CIRCUIT, TYPE, NEMA ENCL. TYPE, SWITCH SIZE, FURN. BY, INST. BY, CONN. BY, NEMA SIZE, NEMA ENCL. TYPE, TYPE, FURN. BY, CONN. BY, CONTROL WIRING, NOTES.

Panelboard:9-ECB-1A

Location: SCC SUPPORT 6
Supply From: 9-ECB-1
Mounting: Surface
Enclosure: Type 1
Volts: 208Y/120V
Phases: 3
Wires: 4
A.I.C. Rating: 10,000 A
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: -

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes rows for SPD, SERVER RACK RECEP, SCC RECEP, CONSOLE #1, SCC SUPPORT RECEPTACLE #1, etc.

Table with columns: Panel Totals, Total Conn. Load, Total Est. Demand, Total Conn., Total Est. Demand.

NOTE: PROVIDE CIRCUIT BREAKERS THAT WILL SELECTIVELY COORDINATE WITH UPSTREAM FEEDER CIRCUIT BREAKER AND 9-ECB-1 MCB.

Existing Panelboard:9-ECB-1

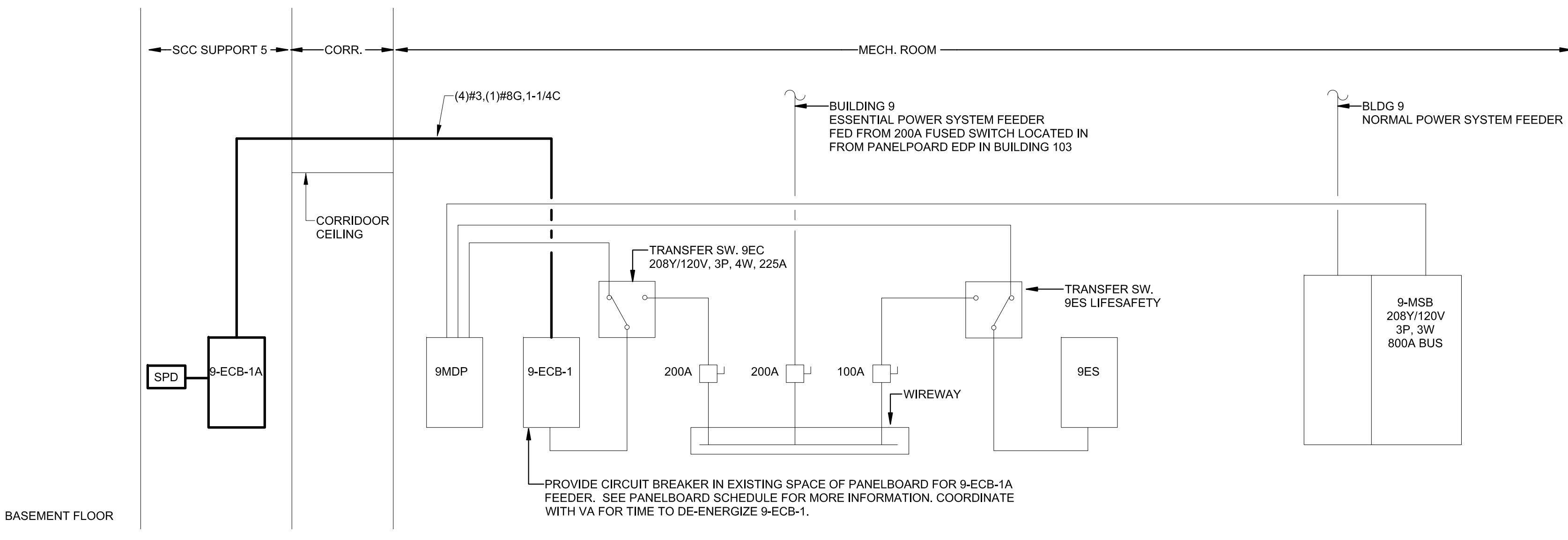
Location: MECH.
Supply From: TRANSFER SW. 9EC
Mounting: Surface
Enclosure: Type 1
Volts: 208Y/120V
Phases: 3
Wires: 4
A.I.C. Rating: 10 KAIC
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

NOTE: CIRCUIT DESCRIPTION TAKEN FROM EXISTING PANELBOARD DIRECTORY. FIELD VERIFY EXACT LOADS PRIOR TO MODIFICATION OF BRANCH CIRCUITS. EXISTING PANELBOARD IS SQUARE D.

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes rows for EXISTING LOAD (ELEVATOR FEED), EXISTING SPARE, EXISTING LOAD (OUTSIDE REC TIME CLOCK), etc.

Table with columns: Panel Totals, Total Added Conn. Load, Total Added Est. Demand, Total Added Conn., Total Added Est. Demand.

NOTE: PROVIDE 9-ECB-1A FEEDER CIRCUIT BREAKER THAT SELECTIVELY COORDINATES WITH 9-ECB-1 MCB.



1 PARTIAL BUILDING 9 RISER DIAGRAM - EXISTING AND NEW WORK NOT TO SCALE

CONSTRUCTION SET

Approval and drawing information section including project title 'Upgrade Surveillance and Dursess Security System Campus Wide', drawing title 'ELECTRICAL DETAILS AND SCHEDULES', and logos for U.S. Department of Veterans Affairs and St. Cloud VA Health Care System.

GENERAL LEGEND	
SYMBOL	DESCRIPTION
○	EXTERIOR RATED
SDP #	SECURITY DISTRIBUTION FRAME
SW	SECURITY WORKSTATION/SERVER - FOR REFERENCED ONLY, VA PROVIDED AND INSTALLED PC'S.
CL	CEILING MOUNT
WM	WALL MOUNT
UPS	TO UNINTERRUPTIBLE POWER SUPPLY
UPS	UNINTERRUPTIBLE POWER SUPPLY
ACP	ACCESS CONTROL PANEL

ACCESS CONTROL SYSTEM	
SYMBOL	DESCRIPTION
○	CARD READER
ES	ELECTRIC STRIKE (BY DIV.8)
REX	REX MOTION DETECTOR
PSL	POWER SUPPLY - ELECTRIC LOCKS (BY DIV.8)
PSD	POWER SUPPLY - SECURITY DEVICE

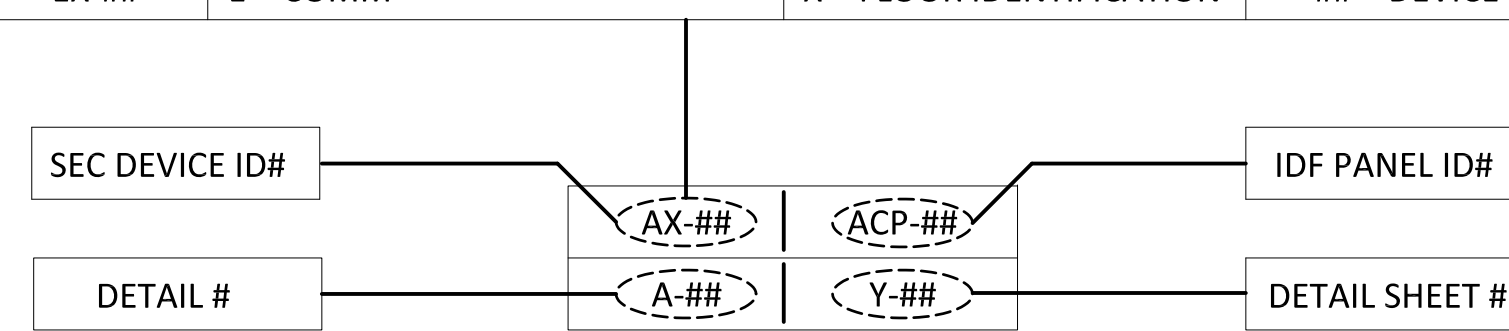
VIDEO SURVEILLANCE SYSTEM	
SYMBOL	DESCRIPTION
○	CAMERA - IN MINI DOME, XX INDICATES MOUNTING, SEE GENERAL LEGEND FOR ABBREVIATION
○	CAMERA - 360° VIEW
○	CAMERA - IN MINI DOME - POLE MOUNTED
○	POLE MOUNTED CAMERA - 360° VIEW
○	POLE MOUNTED CAMERA - 270° VIEW
DVR	DIGITAL VIDEO RECORDER (EXISTING TO BE REMOVED)
NVR	NETWORK VIDEO RECORDER
VSS	VIDEO SYSTEM SURVEILLANCE

ALARM POINT (INTRUSION DETECTION) MONITORING	
SYMBOL	DESCRIPTION
○	DOOR CONTACT
○	DURESS BUTTON
○	IDS KEYPAD
IDS	INTRUSION DETECTION SYSTEM (IDS) ALARM PANEL
○	WIRELESS ALARM ANTENNA/TRANSMITTER
○	WIRELESS ALARM REPEATER
○	WIRELESS DURESS BUTTON

COMMUNICATIONS SYSTEM	
SYMBOL	DESCRIPTION
○	AUDIO INTERCOM SUB STATION
○	AUDIO INTERCOM MASTER STATION
○	EMERGENCY BLUE LIGHT PHONE
ICP	INTERCOM CONTROLLER PANEL
SWITCH	NETWORK SWITCH (BY VA IT)
NDP	NETWORK DATA PATCH PANEL

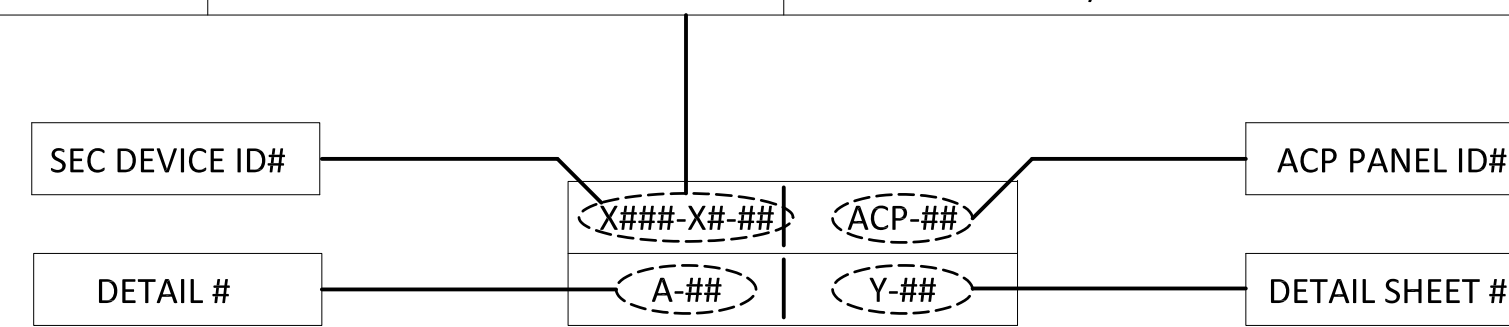
CABLE TYPE LEGEND					
CABLE REFERENCE	RECOGNIZED STANDARD	NUMBER OF CONDUCTORS	CONDUCTOR AWG	SHIELD	JACKET
A	N/A	2	22 AWG	OVERALL	PLENUM
B	N/A	2	18 AWG	OVERALL	PLENUM
C	N/A	2	16 AWG	NO	PLENUM
D	N/A	2	14 AWG	NO	PLENUM
E	N/A	2	12 AWG	NO	PLENUM
F	RS-485/OSDP	4	24 AWG	OVERALL	PLENUM
G	N/A	4	22 AWG	NO	PLENUM
H	N/A	4	18 AWG	OVERALL	PLENUM
I	RG59	1	20 AWG	OVERALL	PLENUM
J	WIEGAND (LEGACY)	6	20 AWG	BY PAIR	PLENUM
K	CAT-6	8	23 AWG	NO	PLENUM
P	PER MFR.	VARIABLES	VARIABLES	VARIABLES	VARIABLES
S	SINGLE MODE FIBER	4 STRAND	OS2	OVERALL JACKET	OUTDOOR RATED

SECURITY DEVICE LABELING CONVENTION			
DEVICE LABEL	1ST LETTER	2ND LETTER/NUMBER	3RD & 4TH NUMBER
AX-##	A = IDS DEVICE	X = FLOOR IDENTIFICATION	## = DEVICE NUMBER
BX-##	B = ACS DEVICE	X = FLOOR IDENTIFICATION	## = DEVICE NUMBER
CX-##	C = VIDEO SURVEILLANCE CAMERA	X = FLOOR IDENTIFICATION	## = DEVICE NUMBER
EX-##	E = COMM	X = FLOOR IDENTIFICATION	## = DEVICE NUMBER



SECURITY DEVICE TAG OR

SECURITY DEVICE LABELING CONVENTION			
DEVICE LABEL	1ST LETTER	2ND LETTER/NUMBER	3RD & 4TH NUMBER
A###-X#-##	A = IDS DEVICE	###-X# = BUILDING/FLOOR IDENTIFICATION	## = DEVICE NUMBER
B###-X#-##	B = ACS DEVICE	###-X# = BUILDING/FLOOR IDENTIFICATION	## = DEVICE NUMBER
C###-X#-##	C = VIDEO SURVEILLANCE CAMERA	###-X# = BUILDING/FLOOR IDENTIFICATION	## = DEVICE NUMBER
E###-X#-##	E = COMM	###-X# = BUILDING/FLOOR IDENTIFICATION	## = DEVICE NUMBER



SECURITY DEVICE TAG

GENERAL NOTES  
1. THESE DRAWINGS MUST BE USED IN CONJUNCTION WITH THE SECURITY SYSTEM AND ELECTRICAL SPECIFICATIONS.

2. COORDINATE ALL DEVICE PLACEMENT ON WALLS AND CEILINGS WITH EXISTING CONDITIONS. VERIFY FINAL PLACEMENT OF EACH DEVICE WITH THE CLIENT PRIOR TO ROUGH-IN AND INSTALLATION.

3. WHERE EXISTING DEVICES ARE SCHEDULED TO BE REPLACED, CONTRACTOR SHALL DEMO EXISTING DEVICE AND TURN OVER TO THE CLIENT FOR THEIR REUSE OR DISPOSAL OF THE EXISTING EQUIPMENT AT THE DISCRETION OF THE CLIENT.

4. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND FINAL SYSTEM CONDUIT AND CONDUCTOR LAYOUTS SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S APPROVED EQUIPMENT, CONDUIT, AND WIRING SHOP DRAWINGS, AND FIELD CONDITIONS. NOTE THE REQUIREMENTS TO COORDINATE CONDUIT AND WIRING RUNS WITH OTHER TRADE WORK INCLUDING ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION IN VERTICAL AND HORIZONTAL CHASES TO ORGANIZE AND CONCEAL ALL SYSTEMS RACEWAY AND PIPING WORK.

5. THE CONTRACTOR MUST COORDINATE WITH THE DEVICE INSTALLATION DETAILS, AND ENSURE THAT DEVICE BACKBOXES ARE APPROPRIATE PER THE FINAL SHOP DRAWING APPROVED DEVICE, ON A LOCATION-BY-LOCATION BASIS, AND MEET ARCHITECTURAL REQUIREMENTS FOR SURFACE OR RECESS MOUNTING. RECESS MOUNTING IS THE PREFERRED APPLICATION.

6. REFER TO THE SECURITY AND ELECTRICAL SPECIFICATIONS, SPECIFICALLY THE DIVISION CONCERNING CONDUIT, RACEWAY, AND CABLE INSTALLATION, AND PROVIDE APPROPRIATE METALLIC RACEWAY FOR THE SECURITY SYSTEM IN ACCORDANCE WITH THOSE SPECIFICATIONS, THE NATIONAL ELECTRIC CODE AND SO AS NOT TO EXCEED 40% CONDUIT FILL.

7. WHERE DEVICES ARE INSTALLED IN FIRE RATED PARTITIONS, REVIEW SURFACE AND RECESS MOUNTING OPTIONS WITH THE ARCHITECT TO PRESERVE THE FIRE RATING.

8. PAY PARTICULAR ATTENTION TO CONDUCTOR COLOR CODING, WIRE TAGGING, AND POLARITY OF CONDUCTORS, AS CALLED FOR IN THE SPECIFICATIONS. A STRICT REVIEW OF THESE INSTALLATION REQUIREMENTS WILL BE PROVIDED BY THE ENGINEER AT SYSTEM CHECKOUT. DEVICES WILL BE REMOVED, JUNCTION BOXES WILL BE UNCOVERED, AND COMPLIANCE WITH THE SPECIFICATIONS WILL BE REVIEWED THOROUGHLY.

9. THE CONTRACTOR IS CAUTIONED CONCERNING THE SEVERITY AND EMPHASIS PLACED ON THE GENERATION OF CORRECT "RECORD" DRAWINGS. REFER TO THE SPECIFICATIONS FOR FURTHER DETAILS.

10. WHEN HOMERUNS ARE SHOWN ON ALARM CIRCUITS CONTAINING BOTH SIGNAL AND 12V DC POWER, HOMERUN TO SDF ALSO INCLUDES CONNECTION TO ALL OTHER SECURITY EQUIPMENT AT THE SDF AS REQUIRED INCLUDING INTRUSION DETECTION SYSTEM ALARM INPUTS MODULES, SECURITY DEVICE POWER SUPPLIES, CONTROL PANELS, ETC...

11. WHEN HOMERUNS ARE SHOWN ON CIRCUITS CONTAINING CARD READER, REQUEST TO EXIT, DOOR CONTACTS, ELECTRIC LOCK POWER AND CARD READER DATA CABLE, HOMERUN TO SDF ALSO INCLUDES CONNECTION OF CARD READERS, MOTION DETECTORS, DOOR CONTACTS, AND REQUEST TO EXIT MOTION DETECTORS TO 12V DC POWER AND ELECTRIC LOCKS TO ELECTRIC LOCK POWER SUPPLY AND ALL OTHER REQUIRED INTERFACES.

12. THE ENTIRE SECURITY SYSTEM SHALL BE RUN IN EMT, 3/4" MINIMUM UNLESS OTHERWISE NOTED IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS. THE ELECTRICAL CONTRACTOR IS TO PROVIDE BACKBOXES AND CONDUITS LOCATED IN ALL WALLS, FLOORS, AND CEILINGS FOR SECURITY DEVICES. SPECIAL/UNIQUE BACKBOXES PARTICULAR TO SECURITY DEVICES SHALL BE PROVIDED BY THE SECURITY CONTRACTOR TO THE ELECTRICAL CONTRACTOR FOR INSTALLATION.

13. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL 120 VAC AS REQUIRED FOR THE SECURITY SYSTEM. FINAL 120 VAC TERMINATIONS IN THE SECURITY EQUIPMENT SHALL BE PERFORMED BY THE SECURITY CONTRACTOR.

14. ALL VIDEO SURVEILLANCE CAMERA CABLING (INCLUDING EXISTING CAMERA LOCATIONS TO BE REPLACED) SHALL BE NEW, AS IDENTIFIED WITHIN THE SECURITY DRAWINGS AND INSTALLATION DETAILS. WHERE EXISTING CAMERA LOCATION IS BEING REPLACED WITH A NEW CAMERA AND CABLE, THE CONTRACTOR SHALL REMOVE THE EXISTING CABLING ASSOCIATED WITH THE CAMERA, PRIOR TO INSTALLATION OF NEW CABLE AND CAMERA.

ALTERNATE DEDUCT

- ① IF ALTERNATE DEDUCT #1 IS ACCEPTED, OMIT THE INSTALLATION OF THE INDICATED CAMERA POLE, CAMERA, BLUE PHONE AND ALL ASSOCIATED RACEWAY/CONDUCTORS.
- ② IF ALTERNATE DEDUCT #2 IS ACCEPTED, OMIT THE INSTALLATION OF THE INDICATED CAMERA, AND ALL ASSOCIATED RACEWAY/CONDUCTORS.

NO	REVISION	DATE
1	CONSTRUCTION SET	06/20

APPROVED: PROJECT COORDINATOR DATE:	APPROVED: SERVICE LINE DIRECTOR DATE:	APPROVED: INFECTION CONTROL NURSE DATE:
APPROVED: GEMS COORDINATOR DATE:	APPROVED: PATIENT SAFETY DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR DATE:
APPROVED: PROJECTS SECTION MANAGER DATE:	APPROVED: CHIEF OF POLICE DATE:	APPROVED: CHIEF OF STAFF DATE:
APPROVED: DIRECTOR PMS DATE:	APPROVED: SAFETY MANAGER DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE:

DRAWING TITLE <b>SECURITY-DURESS SYMBOL LEGEND</b>			PROJECT TITLE		
APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE:			PROJECT NO.		
BUILDING NO.	CHECKED BY	DESIGN	PROJECT SCALE 1/8" = 1'-0"		
VA MEDICAL CENTER	JZ	CM	DRAWING NO.		
ST. CLOUD, MN 56303	THOURMETS		000-QY-001		
DATE		DWG. 24 OF 71			

CONSTRUCTION SET



U.S. Department of Veterans Affairs  
Veterans Health Administration  
St. Cloud VA Health Care System

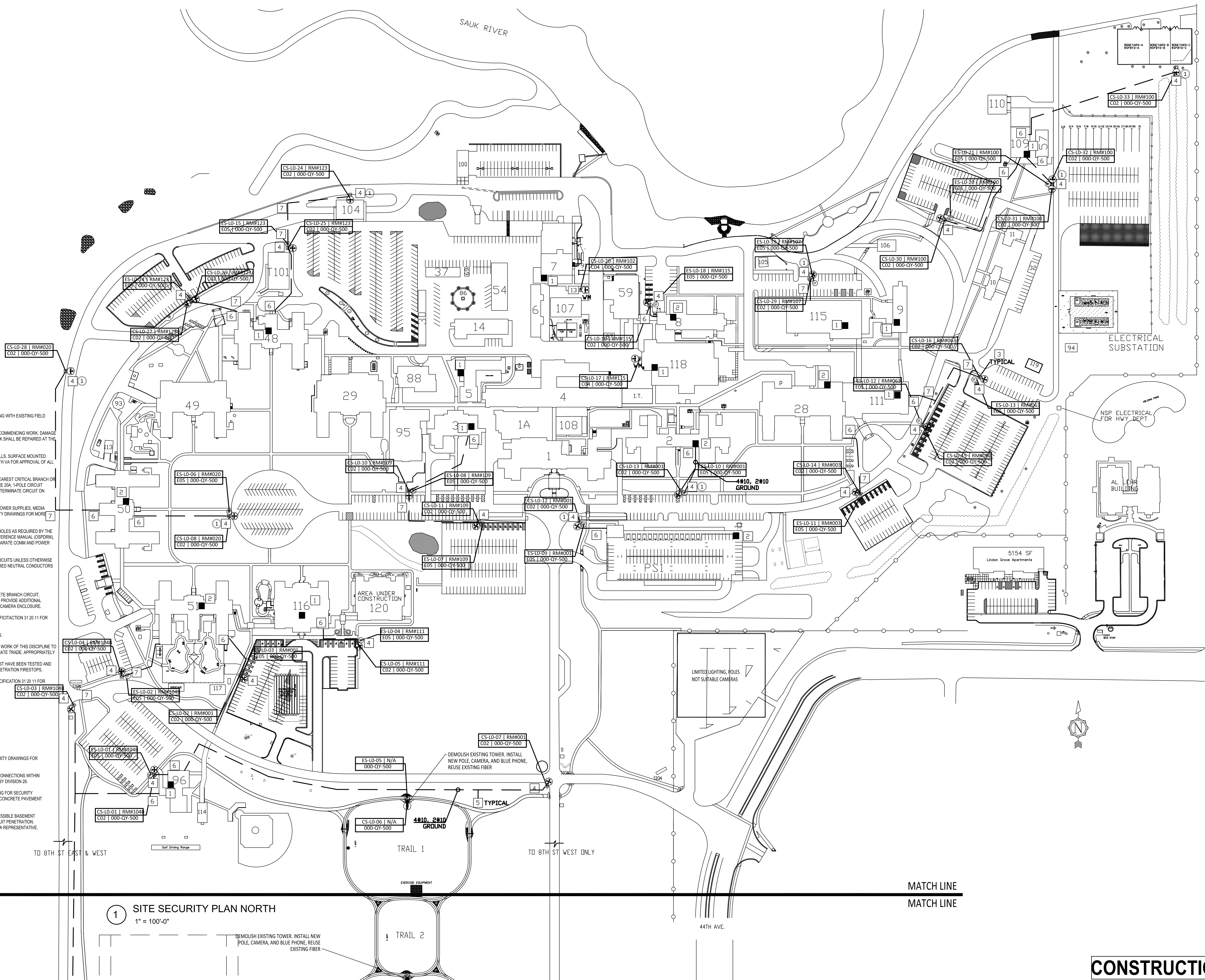
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1	OUTPATIENT CLINIC
2	M.H. RRTP
3	F.M.S. & DENTAL
4	DIETETICS & ADMINISTRATION
5	PHARMACY
6	UTILITY SHOPS
7	BOILER HOUSE
8	AUDITORIUM/RECREATION
9	MH OUTPATIENT OFFICES-POLICE
10	DSS
11	BUSINESS OFFICE/CONTRACTING
13	ENGINEER STORAGE
14	SUPPLY WAREHOUSE
28	M.H. RRTP
29	AUDIOLGY, RELEASE OF INFORM.
30	SUPPLY & ENGINEER STORAGE
32	THREE CAR STORAGE
48	AD.H.C.-NURSE E.D.
49	COMMUNITY LIVING CENTER
50	COMMUNITY LIVING CENTER
51	COMMUNITY LIVING CENTER
54	STATION GARAGE
57	CWT
59	LAUNDRY
69	STORAGE
86	WATER TOWER
87	PUMPING STATION
88	CHAPEL
91	BOILER BLDG/DOWN PUMPHOUSE
93	A.L.A. RECREATION
94	ELECTRIC METER HOUSE
95	CANTEEN
96	RECREATION
100	ENGINEERING STORAGE
104	SUPPLY WAREHOUSE
105	STORAGE
106	GAME FARM
107	ENGINEERING STORAGE
108	PHARMACY/TELEPHONE
111	OUTPATIENT MENTAL HEALTH
112	GENERATOR
112A	GENERATOR
113	GENERATOR
114	GENERATOR/PUMP HOUSE
115	ACUTE MENTAL HEALTH
116	REHABILITATION
117	GENERATOR
118	KITCHEN
119	GENERATOR
120	ADHC

**GENERAL NOTES:**

- UNDERGROUND ROUTING SHOWN IS DIAGRAMMATIC ONLY. COORDINATE EXACT ROUTING WITH EXISTING FIELD CONDITIONS AND EXISTING UNDERGROUND UTILITIES.
- PERFORM SITE SURVEY TO LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK. DAMAGE TO ANY EXISTING UNDERGROUND UTILITIES DURING THE PERFORMANCE OF THIS WORK SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONDUIT RUN INSIDE BUILDINGS SHALL BE CONCEALED IN ACCESSIBLE CEILING OR WALLS. SURFACE MOUNTED CONDUIT IS ONLY ALLOWED IF ACCESSIBLE SPACE DOES NOT EXIST. COORDINATE WITH VA FOR APPROVAL OF ALL SURFACE MOUNTED CONDUIT AND RACEWAYS PRIOR TO INSTALLATION.
- PROVIDE 120VAC BRANCH CIRCUIT FOR EACH CAMERA ENCLOSURE LOCATION FROM NEAREST CRITICAL BRANCH OR OPTIONAL STANDBY EMERGENCY CIRCUIT WITH AVAILABLE SPARE CAPACITY AND SPARE 20A, 1-POLE CIRCUIT BREAKER. NO MORE THAN (2) CAMERA ENCLOSURES SHALL SHARE THE SAME CIRCUIT. TERMINATE CIRCUIT ON POWER SUPPLY IN CAMERA ENCLOSURE.
- LOW VOLTAGE EQUIPMENT AND DEVICES SUCH AS CAMERAS, CAMERA ENCLOSURES, POWER SUPPLIES, MEDIA CONVERTERS, FIBER OPTIC CABLES, ETC. ARE PROVIDED BY DIVISION 28. SEE SECURITY DRAWINGS FOR MORE INFORMATION.
- PULL BOXES AND HANDHOLES ARE NOT SHOWN. PROVIDE ALL PULL BOXES AND HAND HOLES AS REQUIRED BY THE BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL (BICSI) OUTSIDE PLANT REFERENCE MANUAL (OSP/RM), TIA-568, AND THE NATIONAL ELECTRICAL CODE. INCLUDE DIVIDER AS REQUIRED TO SEPARATE COMM AND POWER CONDUCTORS AND CABLES.
- #10 CONDUCTORS SHALL BE USED FOR PHASE, NEUTRAL, AND GROUND OF BRANCH CIRCUITS UNLESS OTHERWISE NOTED. EACH BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. SHARED NEUTRAL CONDUCTORS ARE NOT ALLOWED.
- USE 1 INCH CONDUIT UNLESS OTHERWISE NOTED.
- ROUTING OF CONDUITS INSIDE BUILDINGS NOT SHOWN FOR CLARITY. PROVIDE COMPLETE BRANCH CIRCUIT, INCLUDING CONDUCTORS AND CONDUIT, FROM PANELBOARD TO CAMERA ENCLOSURE. PROVIDE ADDITIONAL CONDUIT WITH PULL STRING FOR SECURITY FIBER OPTIC CABLEING FROM IT TO CLOSET TO CAMERA ENCLOSURE.
- ALL DISTURBED TURF SHALL BE RESTORED WITH SOD OR BY HYDROSEEDING. SEE SPECIFICATION 31 20 11 FOR REQUIREMENTS.
- ALL PENETRATIONS INTO THE EXTERIOR WALL ARE TO BE CENTERED ON GROUT JOINTS.
- REPAIR ALL OPENINGS MADE IN EXISTING WALLS, PARTITIONS, ETC. TO ACCOMMODATE WORK OF THIS DISCIPLINE TO MATCH THE SURROUNDING CONDITIONS. USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE. APPROPRIATELY GROUT OR SEAL ALL CONDUITS THROUGH WALLS.
- ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS MUST HAVE BEEN TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TEST OF THROUGH-PENETRATION FIRESTOPS.
- ALL DISTURBED TURF SHALL BE RESTORED WITH SOD OR BY HYDROSEEDING. SEE SPECIFICATION 31 20 11 FOR REQUIREMENTS.
- SEE QY SERIES OF DRAWINGS FOR SITE PLAN LEGEND.
- ALL CAMERAS SHOWN ON THIS DRAWING ARE TO BE EXTERIOR RATED.

**KEYED NOTES [X]:**

- APPROXIMATE LOCATION OF FIRST FLOOR IT CLOSET WITHIN BUILDING.
- APPROXIMATE LOCATION OF BASEMENT IT CLOSET WITHIN BUILDING.
- APPROXIMATE LOCATION OF CAMERA POLE. COORDINATE WITH DIVISION 28 AND SECURITY DRAWINGS FOR MORE INFORMATION.
- STUB POWER AND COMM CONDUITS UP AT BASE OF CAMERA POLE. MAKE ALL 120VAC CONNECTIONS WITHIN CAMERA ENCLOSURE. POWER SUPPLIES AND OTHER ACTIVE ELECTRONICS PROVIDED BY DIVISION 28.
- PROVIDE ONE 1-INCH CONDUIT FOR POWER AND ONE 1-INCH CONDUIT WITH PULL STRING FOR SECURITY FIBER OPTIC CABLEING. BOTH CONDUITS SHALL BE ROUTED IN SAME TRENCH. SAW CUT CONCRETE PAVEMENT AND PATCH OR DIRECTIONAL BORE UNDER AS REQUIRED.
- TRANSITION INTO BUILDING BELOW GRADE IN BUILDING CRAWL SPACE OR ABOVE ACCESSIBLE BASEMENT CEILING. PROVIDE PULL BOX WITH LOW VOLTAGE DIVIDER ON INTERIOR WALL AT CONDUIT PENETRATION. COORDINATE EXACT LOCATION TO ENTER BUILDING WITH EXISTING CONDITIONS AND VA REPRESENTATIVE.
- DIRECTIONAL DRILL BENEATH PAVEMENT.



- SHEET NOTES**
- REFER TO ELECTRICAL SITE PLAN 000-ES-101 FOR CONDUIT PATHS INTO BUILDINGS FOR EACH SITE SECURITY DEVICE.
  - SECURITY CONTRACTOR TO PROVIDE DEDICATED SECURITY POLES AT EACH SITE CAMERA LOCATION: MOOG MODEL P1800, 18" POLE WITH BASE AND 24V CAMERA POWER SUPPLY.
  - GENERAL CONTRACTOR TO PROVIDE NEW CONCRETE PAD FOR NEW SECURITY CAMERA POLES AND NEW EMERGENCY BLUE PHONE STANCHIONS. SEE DEVICE INSTALLATION DETAILS FOR ADDITIONAL INFORMATION.

**1 SITE SECURITY PLAN NORTH**  
1" = 100'-0"

**CONSTRUCTION SET**

NO.	REVISION	DATE
1	CONSTRUCTION SET	01/20/20

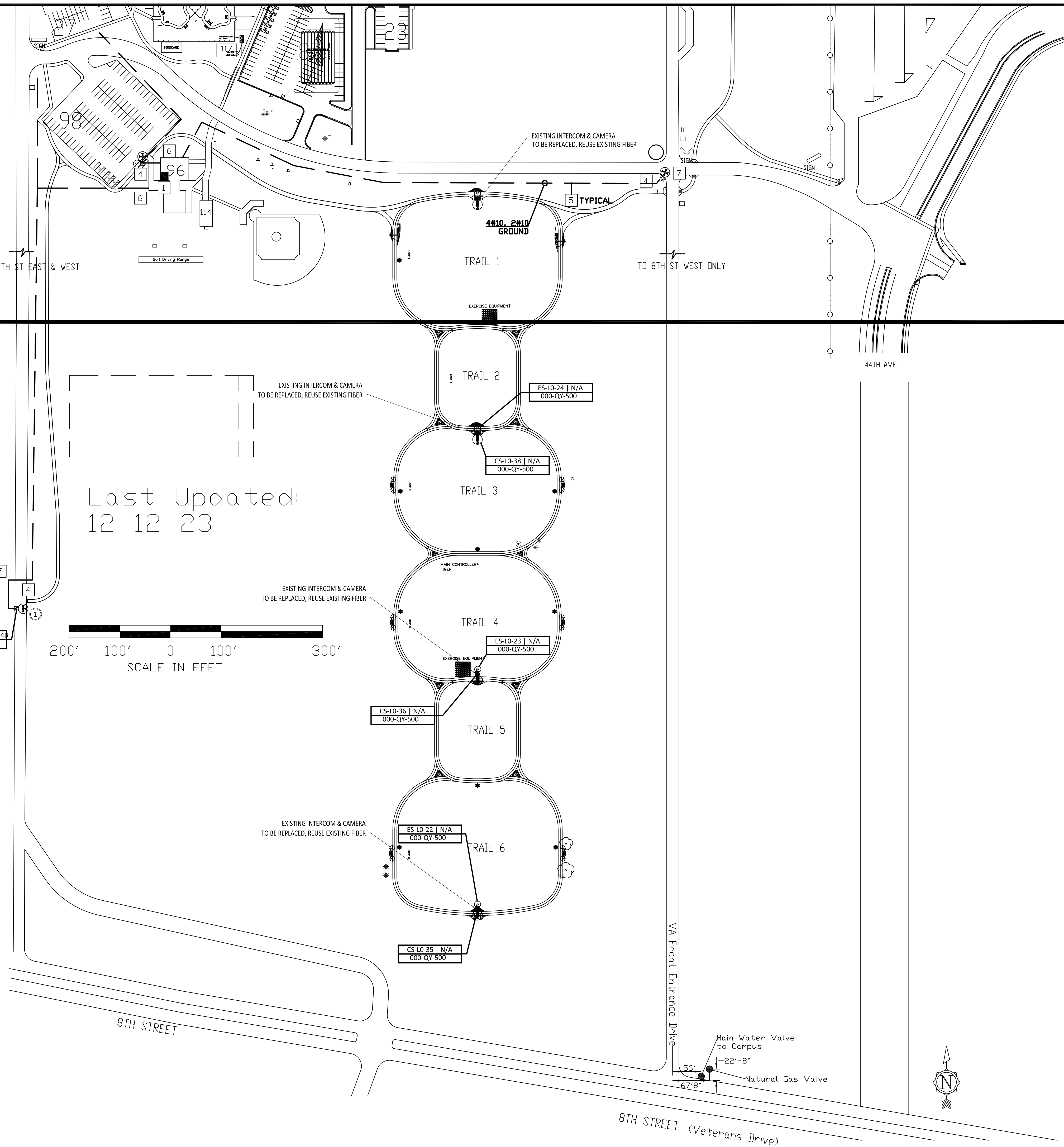
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APPROVED: GEMS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY DIRECTOR	DATE:	APPROVED: CHIEF OF POLICE STAFF	DATE:	APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	BUILDING NO. _____
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE STAFF	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	APPROVED: CHIEF OF POLICE STAFF	CHECKED BY: JZ
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:			LOCATION VA MEDICAL CENTER ST. CLOUD, MN 56303	DRAWN CM

**VA**

**U.S. Department of Veterans Affairs**  
Veterans Health Administration  
St. Cloud VA Health Care System

000-QY-101  
DWG 25 OF 71

**SHEET NOTES**  
 1. REFER TO ELECTRICAL SITE PLAN 000-ES-101 FOR CONDUIT PATHS INTO BUILDINGS FOR EACH SITE SECURITY DEVICE.  
 2. SECURITY CONTRACTOR TO PROVIDE DEDICATED SECURITY POLES AT EACH SITE CAMERA LOCATION: MOOG MODEL P1800, 18' POLE WITH BASE AND 24V CAMERA POWER SUPPLY.  
 3. GENERAL CONTRACTOR TO PROVIDE NEW CONCRETE PAD FOR NEW SECURITY CAMERA POLES AND NEW EMERGENCY BLUE PHONE STANCHIONS. SEE DEVICE INSTALLATION DETAILS FOR ADDITIONAL INFORMATION.



Last Updated:  
12-12-23

200' 100' 0 100' 300'  
SCALE IN FEET

1 SITE SECURITY PLAN NORTH  
1" = 100'-0"

**CONSTRUCTION SET**

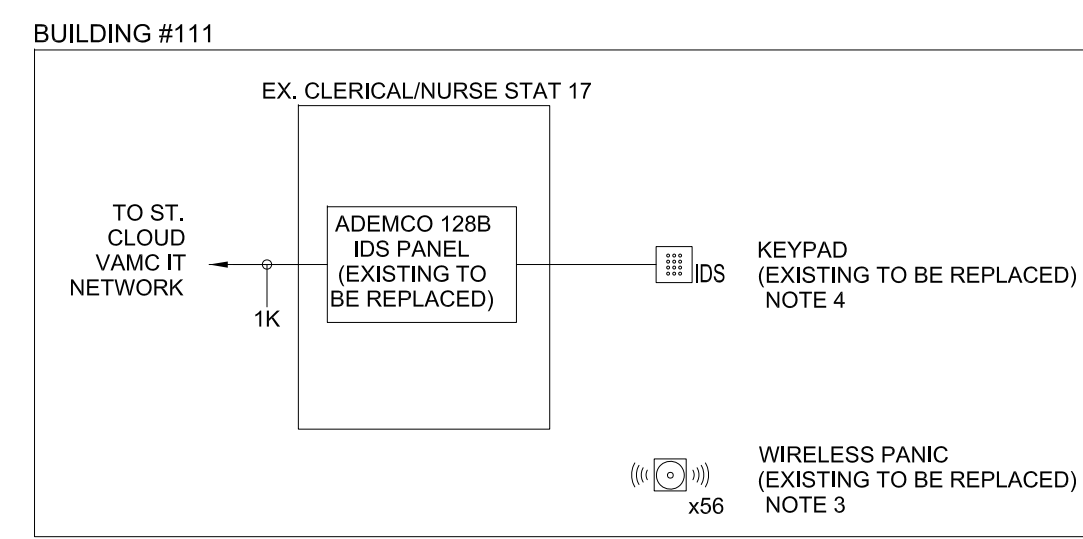
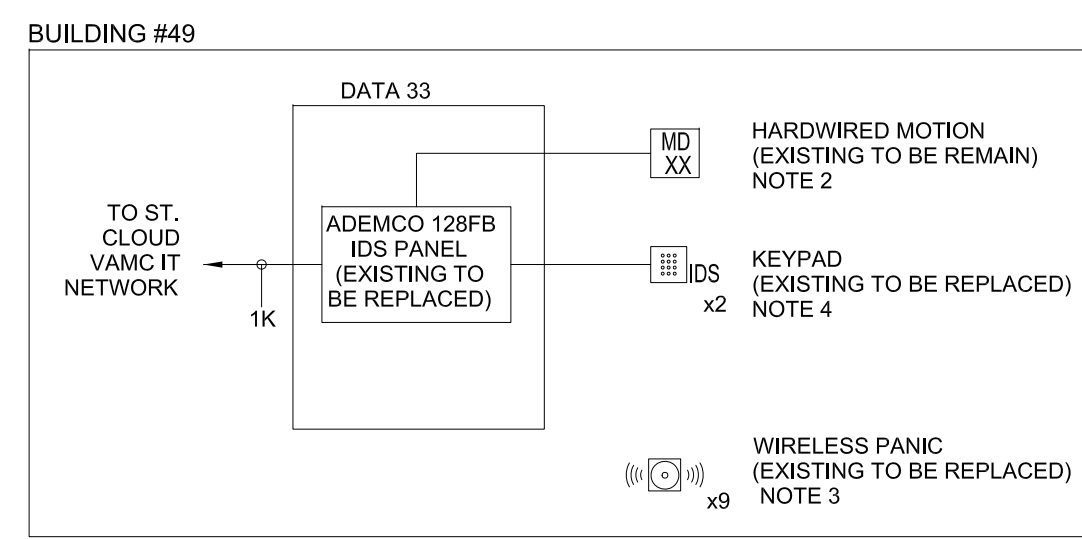
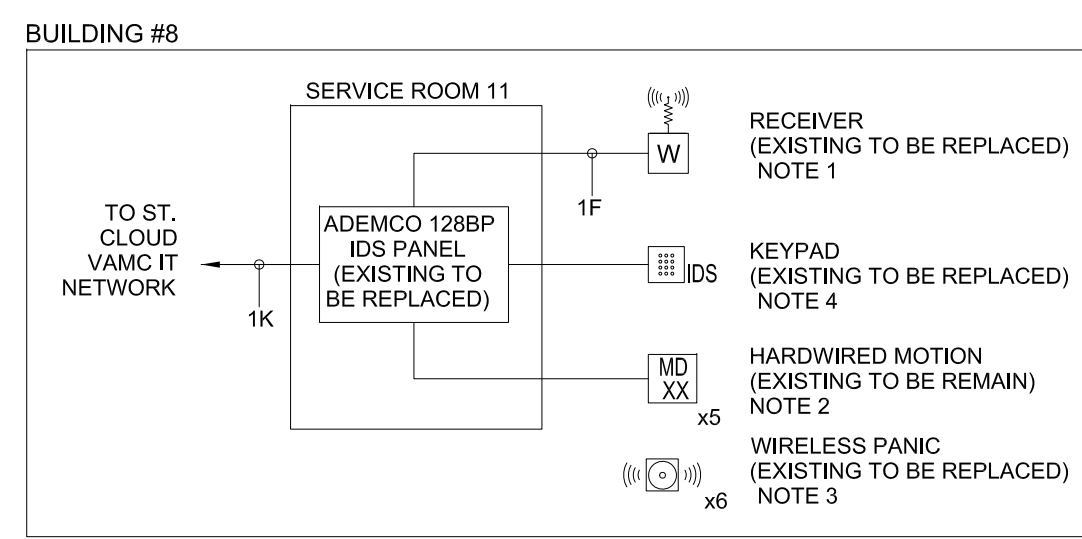
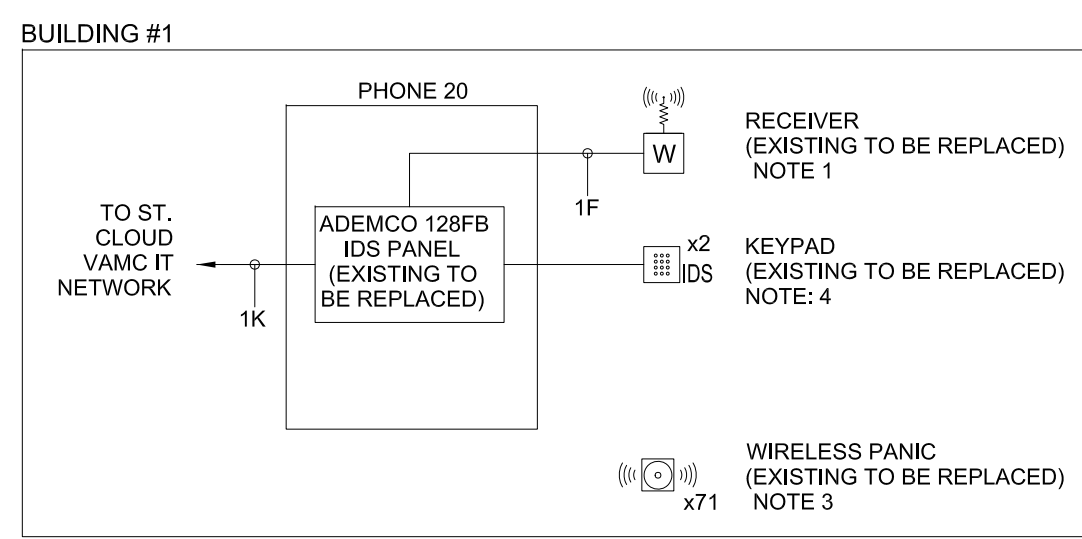
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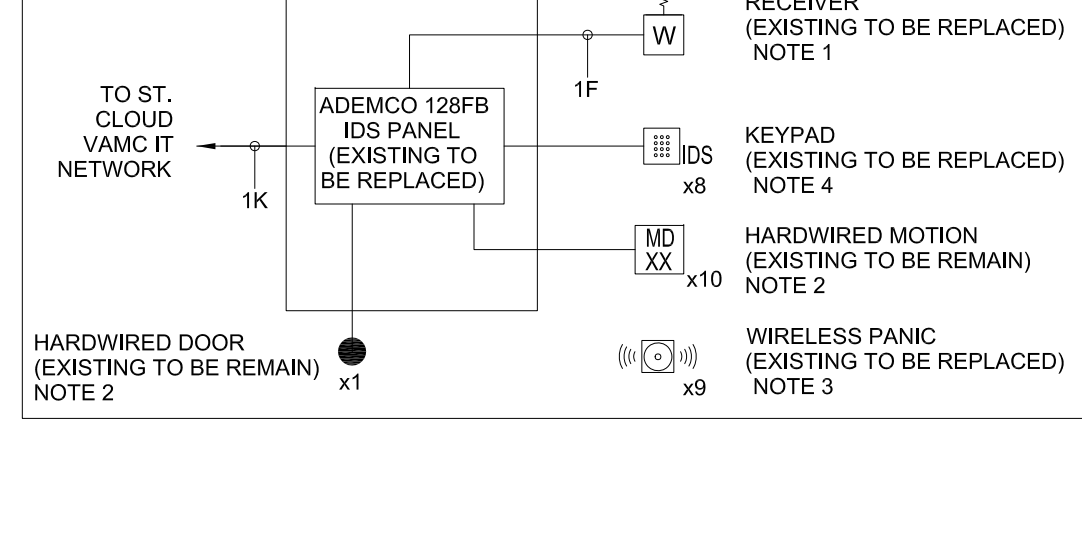
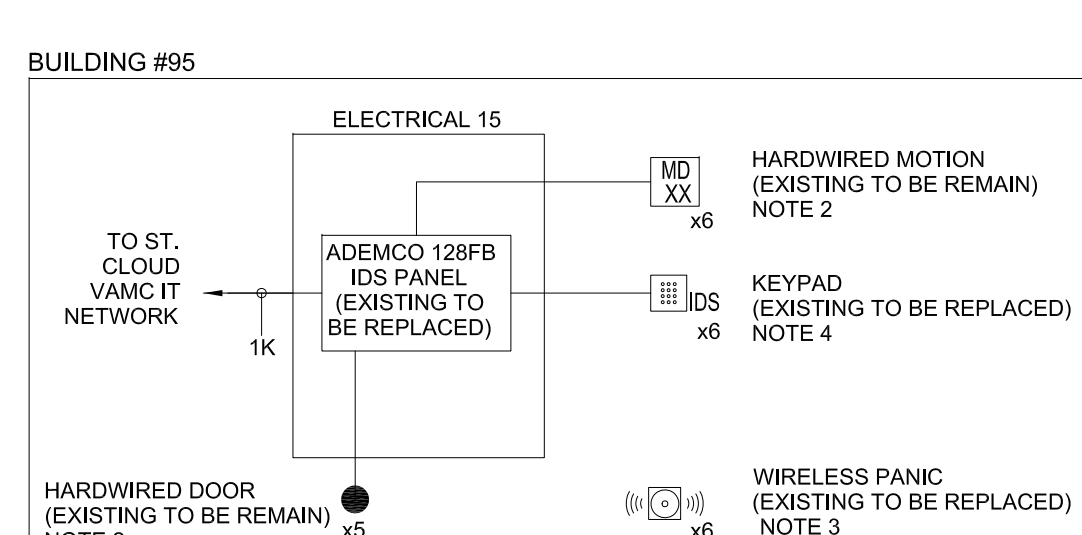
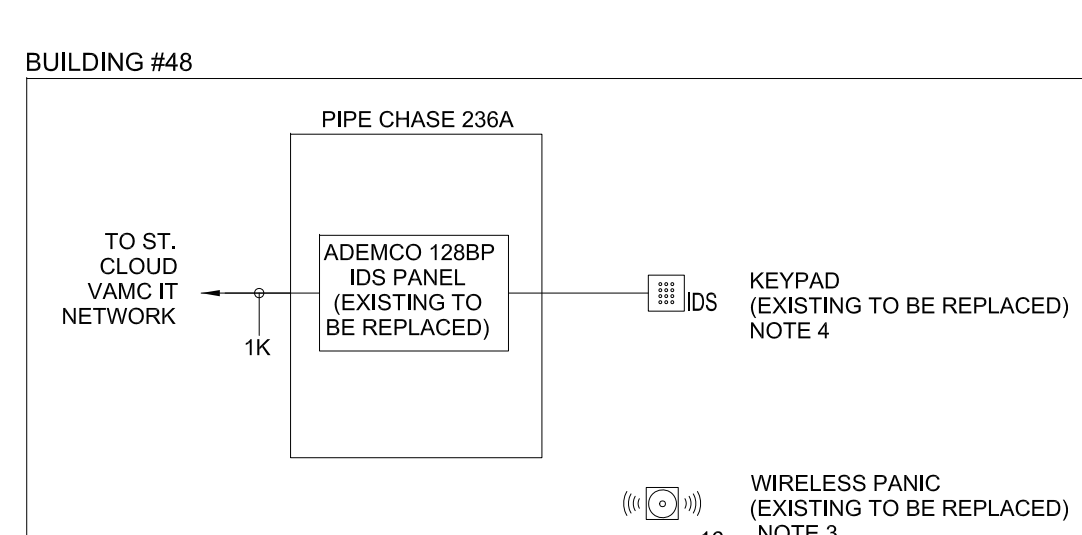
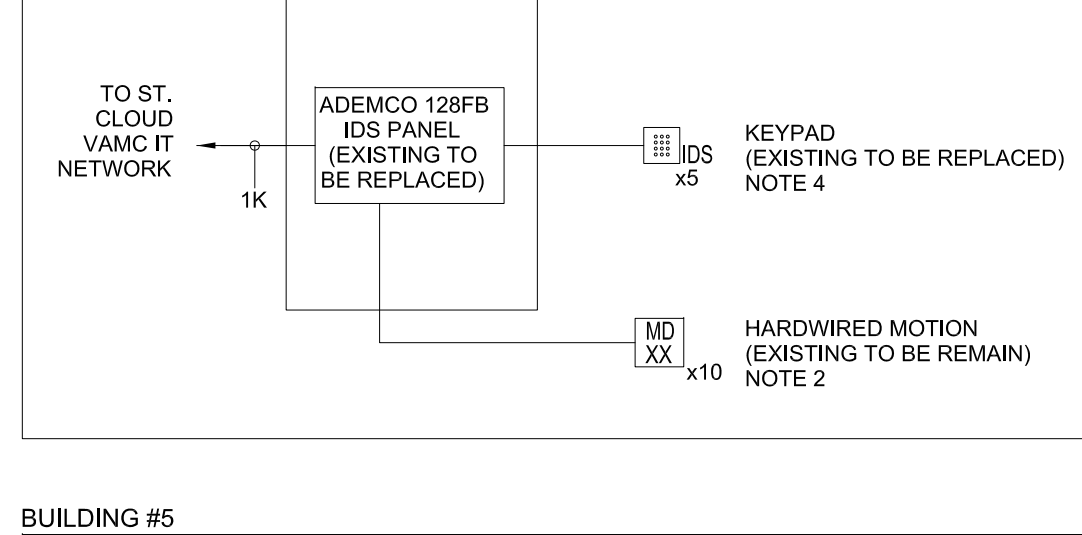
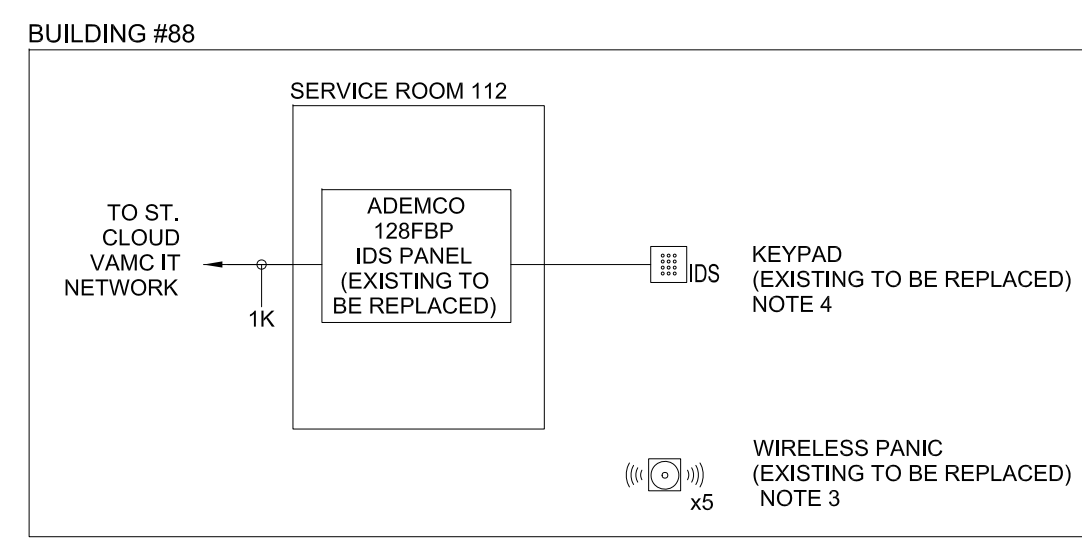
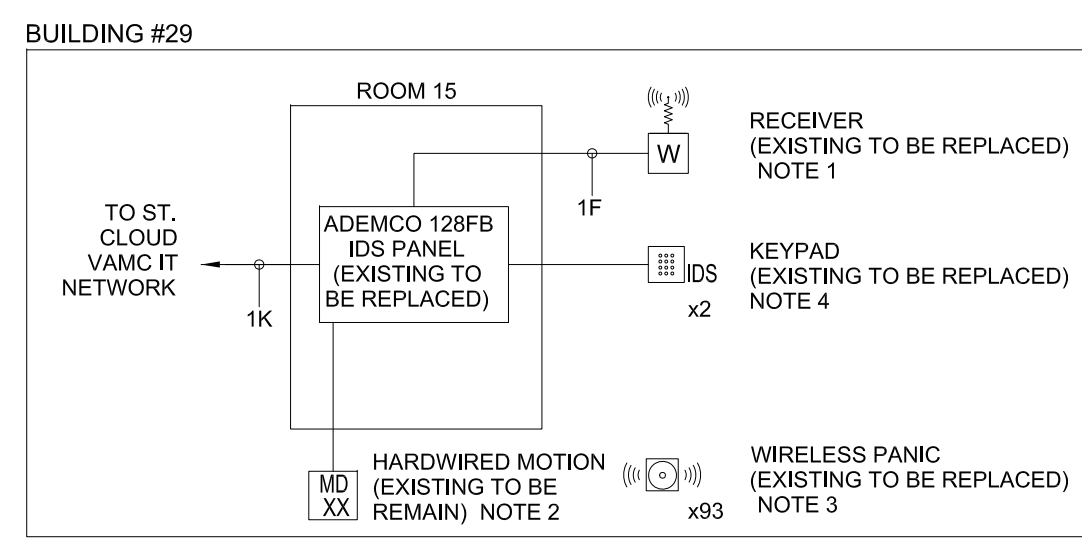
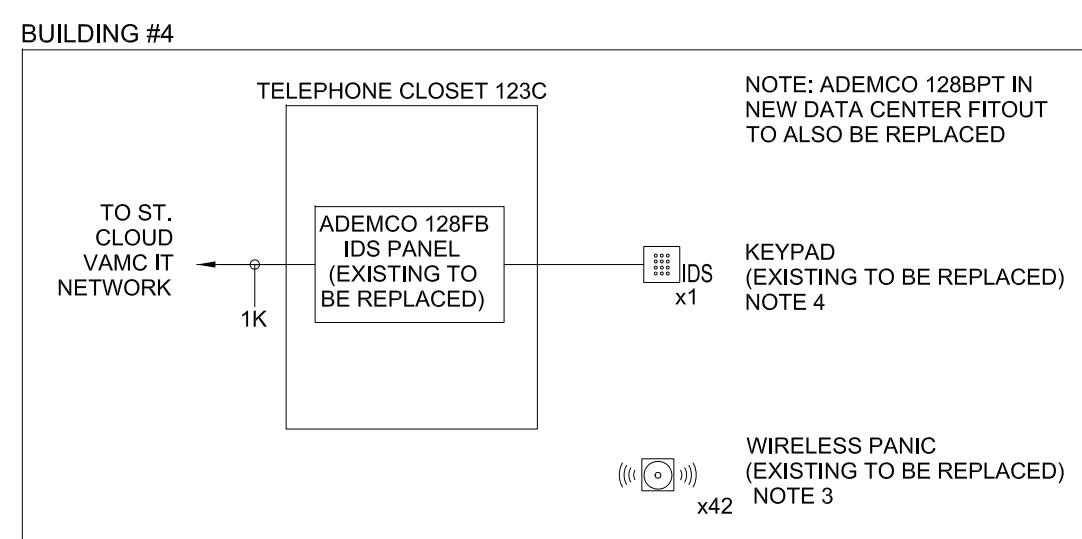
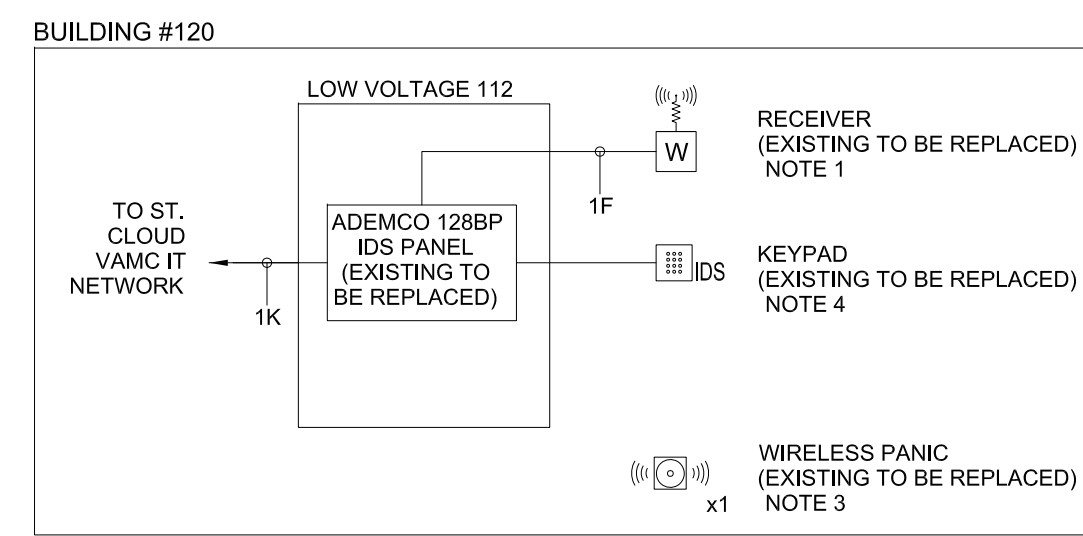
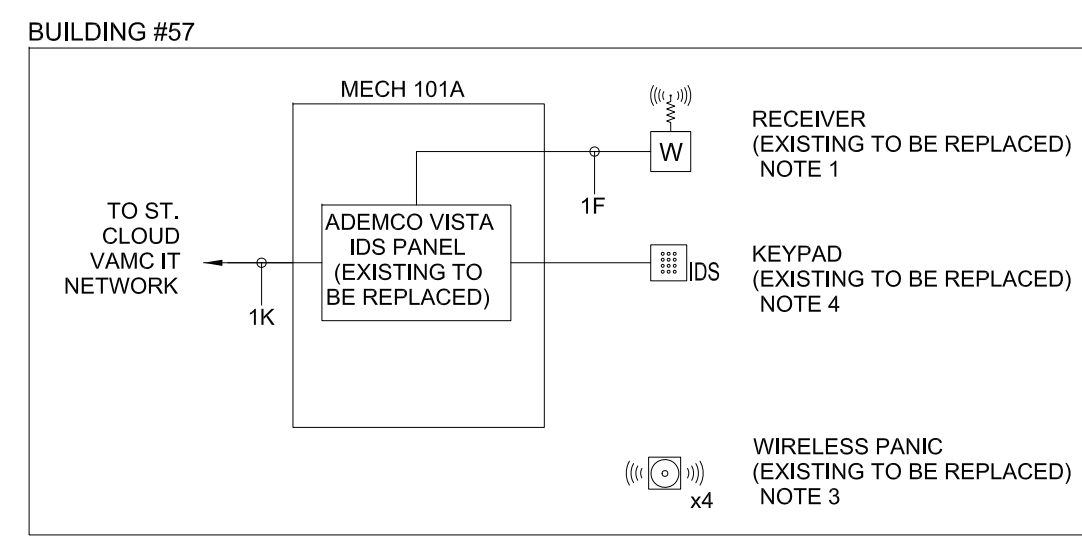
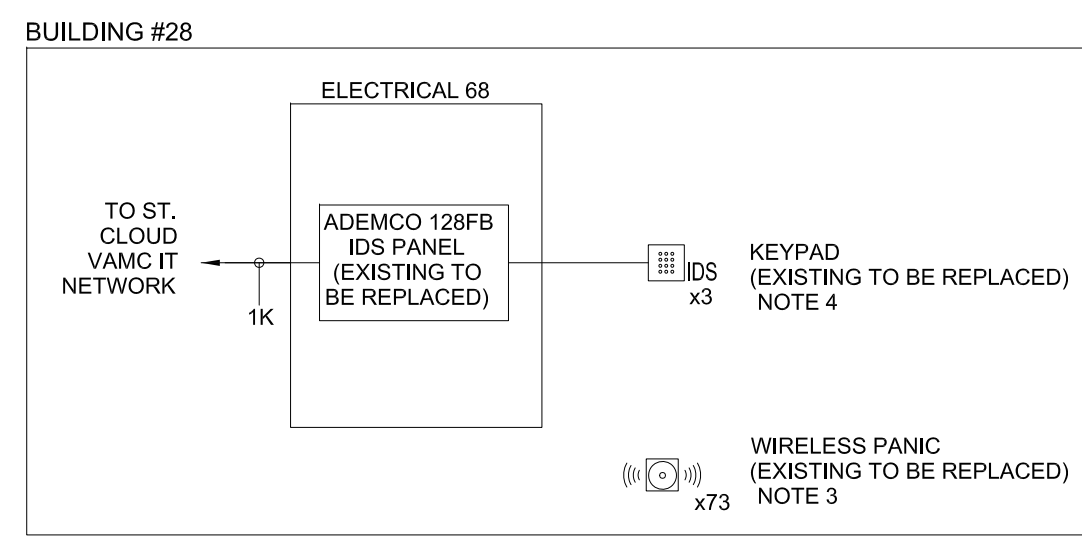
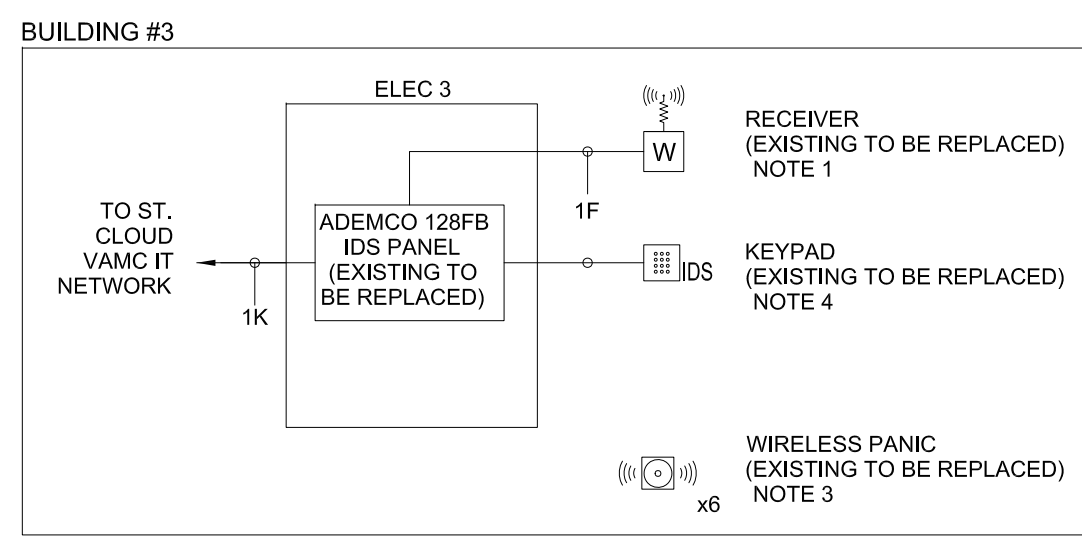
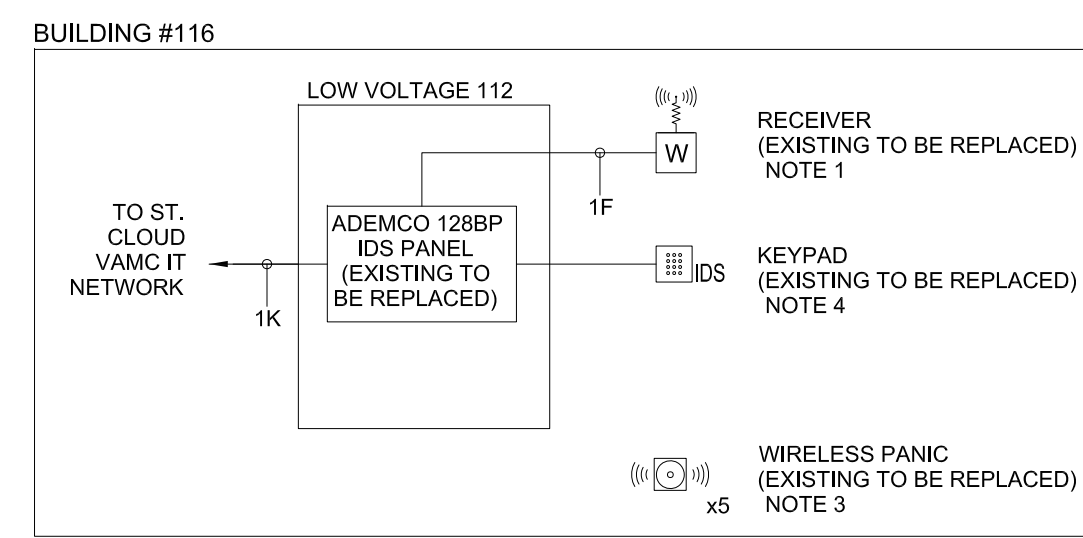
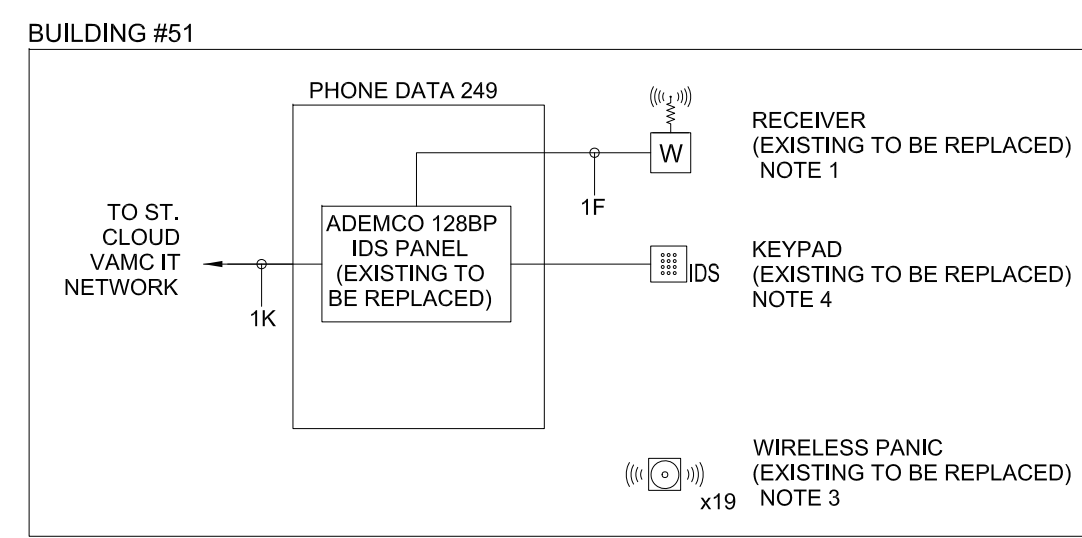
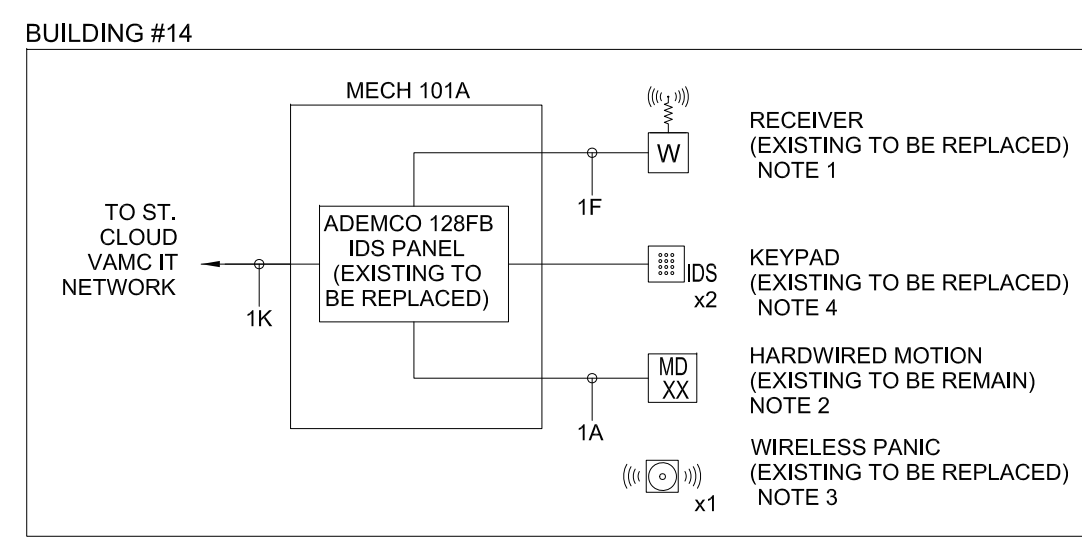
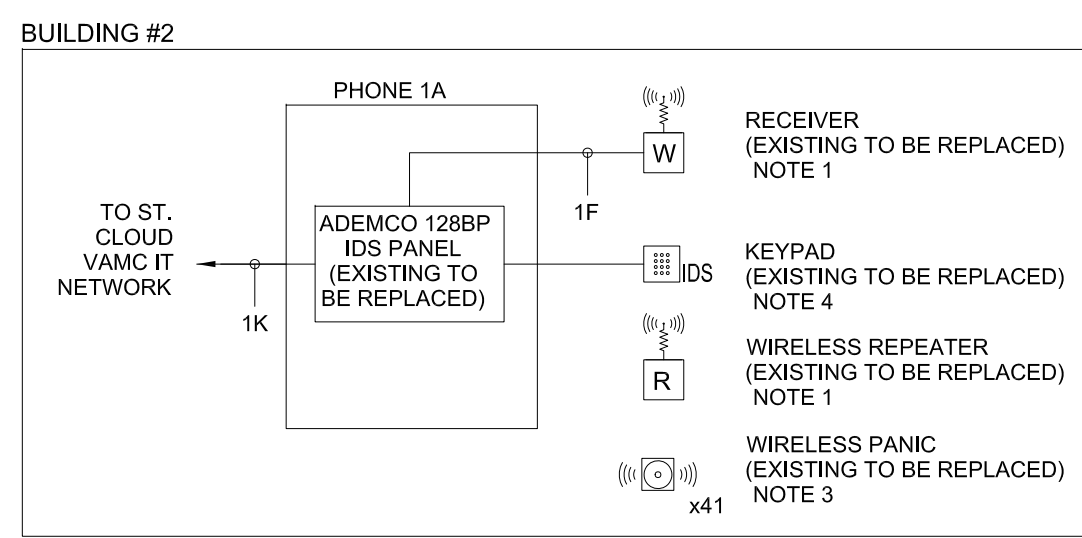
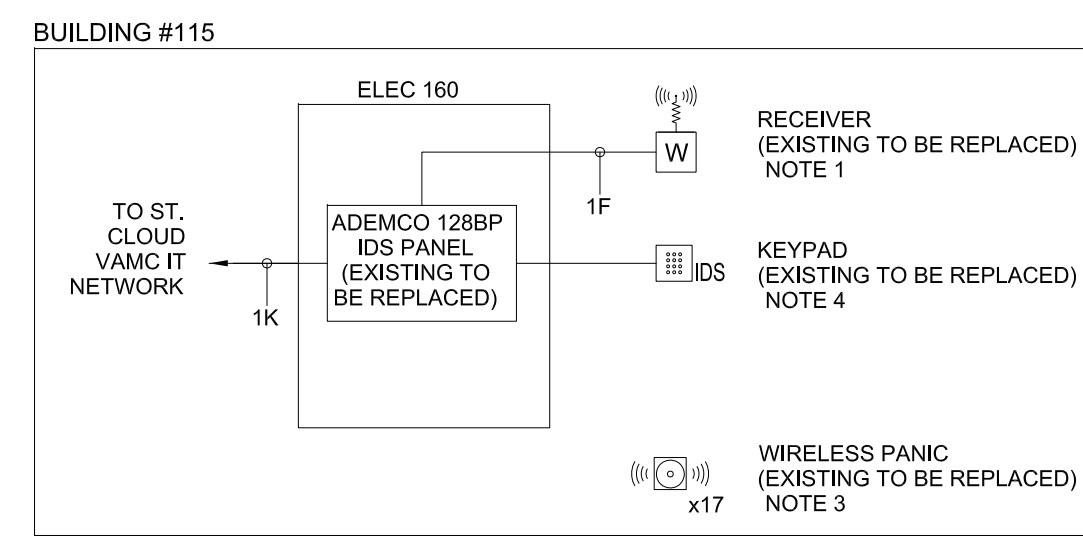
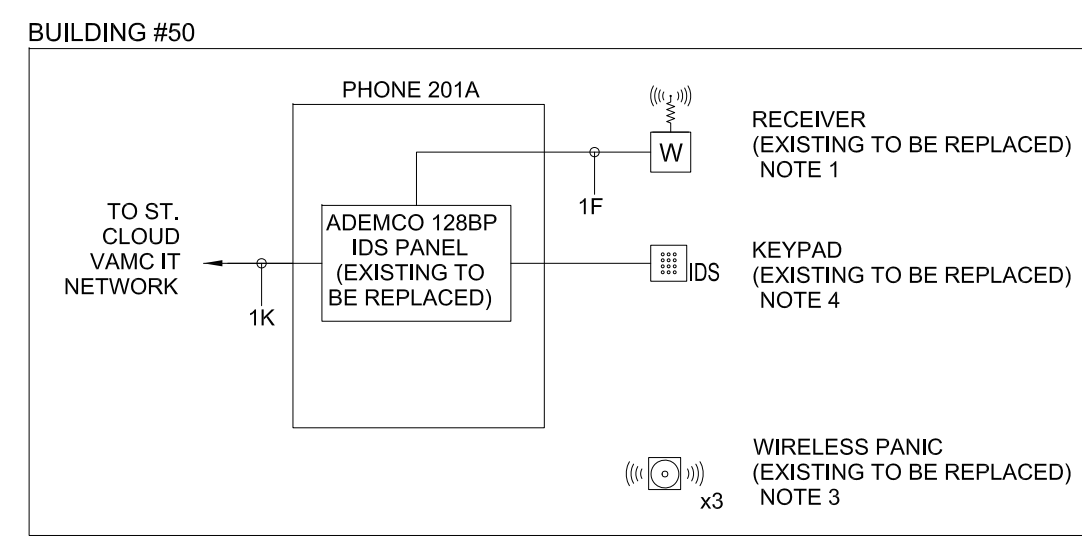
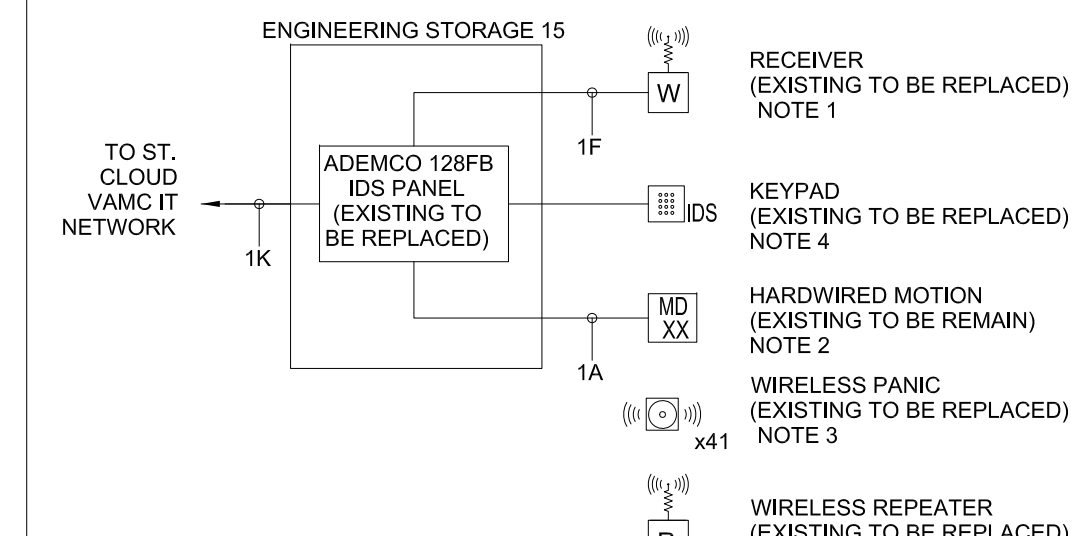
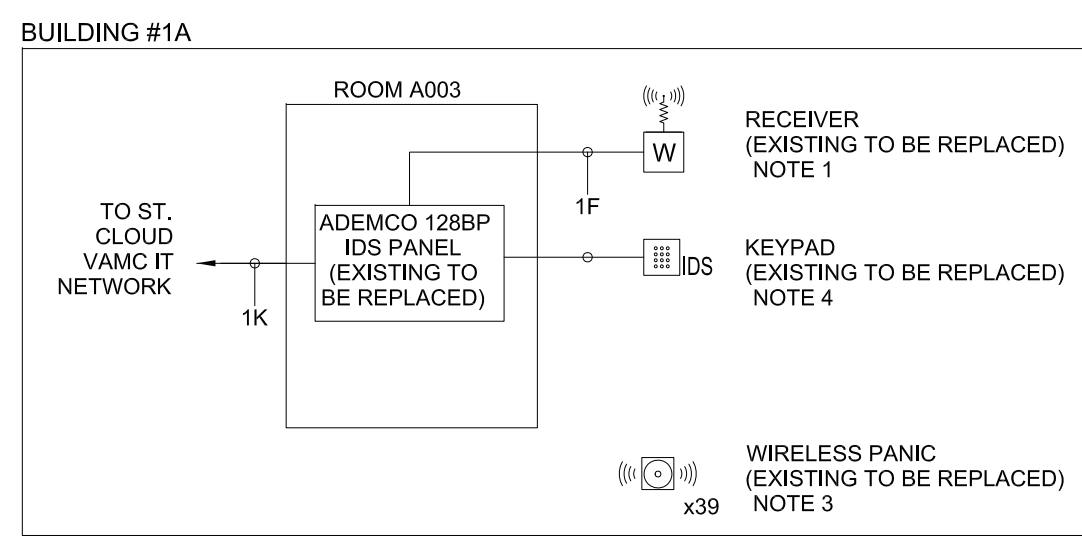
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CHECKED BY JZ	DATE:	DRAWN CM	DATE:	DATE:	DATE:
LOCATED: VA MEDICAL CENTER ST. CLOUD, MN 56303			DRAWING NO. <b>000-QY-102</b> PAGE 26 OF 71		

**VA** U.S. Department of Veterans Affairs  
 Veterans Health Administration  
 St. Cloud VA Health Care System





- NOTES:**
- DEMOLITION EXISTING RECEIVERS, REPEATERS, AND ALL ASSOCIATED CABLING. SEE DEVICE LOCATION TABLE FOR SPECIFIC LOCATIONS OF PANIC DEVICES. CONTRACTOR SHALL RECEIVERS AND VERIFY WIRELESS COVERAGE AND PROVIDE WIRELESS REPEATERS AS NECESSARY TO ENSURE FULL COVERAGE OF WIRELESS ALARM POINTS. CONFIRM COVERAGE RANGE FOR WIRELESS DURESS BUTTONS.
  - ALL HARDWIRED NOTIFICATION DEVICES, MOTION DETECTORS, AND DOOR CONTACTS SHALL REMAIN. CONTRACTOR SHALL CONNECT EXISTING WIRING FROM THESE DEVICES TO NEW IDS PANEL. CONTRACTOR SHALL VERIFY ALL EXISTING WIRING AND DOCUMENT FIELD LOCATIONS OF HARDWIRED DEVICES AND WIRING TYPES ON AS-BUILT DRAWINGS.
  - ALL WIRELESS PANIC BUTTONS SHALL BE REPLACED WITH BUTTONS COMPATIBLE WITH NEW WIRELESS SYSTEM. EXISTING WIRELESS PANIC BUTTONS COMMUNICATING WITH THE EXISTING IDS PANEL THROUGH LINEAR SINGLE CHANNEL WIRELESS RECEIVERS. THE CONTRACTOR IS REQUIRED TO PROGRAM AND ADDRESS ALL WIRELESS DURESS BUTTONS PRIOR TO TURNOVER TO THE VAMC. COORDINATE PROGRAMMING AND ADDRESSING INFORMATION WITH VAMC.
  - EXISTING IDS KEYPADS ARE TO BE REPLACED. USE EXISTING CABLING TO CONNECT NEW IDS KEYPADS TO NEW IDS PANEL.
  - CONTRACTOR SHALL ENSURE A MINIMUM OF 30% SPARE CAPACITY ON NEW IDS PANELS TO BE INSTALLED. IN SOME CASES THIS WILL REQUIRE PROVIDING AN IDS PANEL WITH MORE INPUTS THAN WHAT IS EXISTING.
  - SEE DIVISION 28 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS PERTAINING TO PROGRAMMING AND DOCUMENTATION OF IDS DEVICES.
  - EXISTING IDS PANELS ARE INTERFACED WITH THE EXISTING ACCESS CONTROL SYSTEM WITH MULTIPLE INTERFACE RELAYS. THE CONTRACTOR SHALL DEMOLISH ALL EXISTING INTERFACE COMPONENTS BETWEEN THE IDS AND ACCESS CONTROL SYSTEMS.
  - EXISTING IDS PANELS ARE CONNECTED TO WIRELESS ROUTERS FOR REMOTE PROGRAMMING. THE CONTRACTOR SHALL DEMOLISH THESE WIRELESS ROUTERS AND ALL ASSOCIATED COMPONENTS.



NO.	REVISION	DATE
1	CONSTRUCTION SET	01/20/20

APPROVED: PROJECT COORDINATOR	DATE:	APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INFECTION CONTROL NURSE	DATE:
APPROVED: GENIS COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:	APPROVED: CHIEF OF STAFF	DATE:
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:	APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:
APPROVED: DIRECTOR PMS	DATE:	APPROVED: SAFETY MANAGER	DATE:		

DRAWING TITLE <b>CAMPUS WIDE INTRUSION DETECTION SYSTEM PANEL SCHEDULES</b>			PROJECT TITLE		
APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR			BUILDING NO.		
DATE:			CHECKED BY		
			CM		
LOCATION: VA MEDICAL CENTER ST. CLOUD, MN 56303			DRAWING NO. <b>000-QY-002</b> (PAG. 27 OF 71)		

**CONSTRUCTION SET**



