RELOCATE POLICE DISPATCH

PROJECT NUMBER: 621-23-104

VA HEALTHCARE SYSTEM
JAMES H. QUILLEN VA MEDICAL CENTER

DEPARTMENT OF VETERANS AFFAIRS
LAMONT AND VETERANS WAY
MOUNTAIN HOME, JOHNSON CITY TN 37684

GENERAL NOTES

A. THE CONTRACT DRAWINGS AND PROJECT MANUAL (INDICATED BY THE SAME PROJECT NUMBER) ARE COMPLEMENTARY. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER'S REPRESENTATIVE (C.O.R.) OF ANY DISCREPANCIES FOUND DURING BIDDING AND THROUGH CONSTRUCTION.

B. DO NOT SCALE DRAWINGS; DIMENSIONS SHALL GOVERN.

C. VERIFY ALL EXISTING DIMENSIONS AND FIELD CONDITIONS PRIOR TO DEMOLITION AND CONSTRUCTION. IF PROVIDED, EXAMINE EXISTING BUILDING DOCUMENTS. BRING ANY DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE CONTRACTING OFFICER REPRESENTATIVE.

D. PROTECT EXISTING ITEMS TO REMAIN DURING DEMOLITION AND CONSTRUCTION.

E. CONTRACTORS WORKING AT VA FACILITIES ARE REQUIRED TO PROVIDE A DOCUMENT STATING THAT ALL WORKERS, PRIME AND SUBS, HAVE HAD THE FLU SHOT FOR THE CURRENT YEAR OF THE CONTRACT. THIS IS IN COMPLIANCE WITH VA DIRECTIVE 1013, PREVENTION AND CONTROL OF SEASONAL INFLUENZA WITH VACCINES. ACCORDINGLY, PROVIDE A CERTIFICATION THAT ALL WORKERS ON THIS CONTRACT HAVE BEEN IMMUNIZED IN ACCORDANCE WITH THIS DIRECTIVE.

F. AT THE END OF EVERY WORK SHIFT, FOR AREAS OUTSIDE OF DEFINED CONSTRUCTION BOUNDARY, CONFIRM ALL DISPLACED CEILING TILES ARE RESET INTO PLACE.

G. MAINTAIN ACCESSIBLE EGRESS FOR THE DURATION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL CONSTRUCTION ROUTES BEYOND THE AREAS OF WORK AND THE ROUTES MUST BE RETURNED TO THEIR ORIGINAL CONDITION AT THE END OF THE PROJECT.

H. PENETRATIONS THROUGH EXISTING FIRE RATED CONSTRUCTION MUST BE PROPERLY CLOSED AND FIRE SAFE'D TO ACHIEVE THE REQUIRED FIRE RATING BY THE END OF CONSTRUCTION OPERATIONS FOR EACH DAY.

I. ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES AND FEDERAL AUTHORITIES, RULES AND REGULATIONS.

J. THESE DOCUMENTS SHOW DESIGN INTENT WITH MINIMUM CONSTRUCTION REQUIREMENTS AND MINIMUM QUALITY OF WORK EXPECTED. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS AND TECHNIQUES FOR CONSTRUCTION AND EXPECTED QUALITY.

K. ALL MATERIALS UTILIZED ON THIS PROJECT SHALL BE NEW UNLESS OTHERWISE NOTED TO BE SALVAGED AND REFURBISHED. MATERIAL QUALITY SHALL MEET OR EXCEED APPLICABLE INDUSTRY STANDARDS.

L. COORDINATE ALL WORK WITH ALL OTHER DISCIPLINES. EXACT SIZE AND LOCATION OF ROOF, WALL, AND FLOOR OPENINGS SHALL BE VERIFIED WITH CORRESPONDING CONTRACTING TRADES PRIOR TO CONSTRUCTION.

M. ALL CONCEALED WOOD SHALL BE FIRE RETARDANT TREATED.

N. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL EQUIPMENT INSTALLATION AND VARYING ALL REQUIRED ROUGH OPENINGS AND ROUGH-IN DIMENSIONS WITH THE EQUIPMENT MANUFACTURER AND CONTRACTING OFFICER REPRESENTATIVE PRIOR TO CONSTRUCTION.

O. WHERE EXISTING SURFACES ARE TO BE RE-FINISHED WILL SERVE AS SUBSTRATE FOR THE ATTACHMENT OF NEW CONSTRUCTION, PREPARE EXISTING SURFACES AS NECESSARY TO RECEIVE THE NEW MATERIALS FOR A LEVEL AND SMOOTH FINISH.

P. FIELD VERIFY SIZES AND DIMENSIONS OF ALL EXISTING UTILITIES APPARATUSES IMPACTING NEW CONSTRUCTION. DETERMINE EXACT SIZE AND LOCATION OF PENETRATION WITHIN NEW CONSTRUCTION, TIGHTLY SEAL AND CAULK.

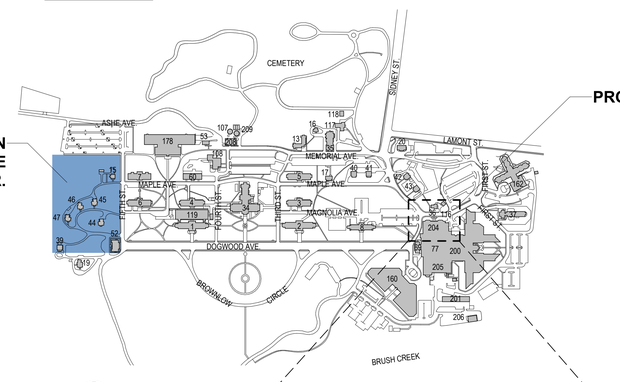
Q. GENERAL CONTRACTOR IS RESPONSIBLE FOR HOSTING ONLINE CONSTRUCTION MANAGEMENT SOFTWARE FOR THE DURATION OF THE PROJECT THROUGH PROCORE.

VICINITY MAP

NORTH

CAMPUS LOCATION

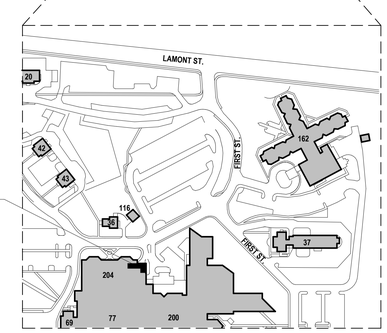
CAMPUS MAP



GENERAL LAYDOWN VICINITY - COORDINATE WITH C.O.R.

PROJECT LOCATION

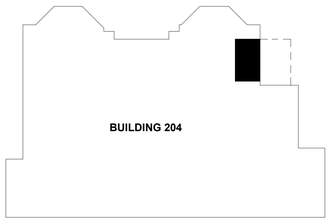
NORTH



PROJECT LOCATION

SHEET INDEX

SHEET NUMBER	SHEET NAME
GENERAL	
GI000	COVER SHEET
GI001	SYMBOLS, ABBREVIATIONS, AND PARTITION NOTES
GI002	WALL TYPES
GI003	ACCESSIBILITY REQUIREMENTS
GI101	GROUND FLOOR LIFE SAFETY OVERALL
GI102	ENLARGED LIFE SAFETY PLAN
GI120	ICRA PLAN
GI121	ICRA CLASS IV REQUIREMENTS
ARCHITECTURE	
AD101	GROUND FLOOR DEMOLITION PLAN
AD141	GROUND FLOOR DEMOLITION REFLECTED CEILING PLAN
AE111	ENLARGED GROUND FLOOR PLAN, ELEVATIONS, AND DETAILS
AE112	ENLARGED UPPER FLOOR PLANS
AE141	GROUND FLOOR REFLECTED CEILING PLAN
AE301	INTERIOR ELEVATIONS
AE501	INTERIOR DETAILS
AQ701	EQUIPMENT PLANS
FIRE PROTECTION	
FX100	FIRE SUPPRESSION GROUND FLOOR PLAN
PLUMBING	
P001	PLUMBING LEGEND SHEET
PD100	PLUMBING DEMOLITION PLANS
PL100	PLUMBING NEW WORK PLANS
PL501	PLUMBING DETAILS, SCHEDULES, & DIAGRAMS
MECHANICAL	
M001	MECHANICAL ABBREVIATIONS AND LEGENDS
MD100	MECHANICAL GROUND FLOOR DEMOLITION PLAN
MH100	MECHANICAL GROUND FLOOR HVAC PLAN
MH101	MECHANICAL FIRST AND SECOND FLOOR PLAN
MP100	MECHANICAL GROUND FLOOR PIPING PLAN
M500	MECHANICAL DETAILS
M501	MECHANICAL DETAILS
M600	MECHANICAL SCHEDULES
M700	MECHANICAL CONTROLS
ELECTRICAL	
E001	ELECTRICAL LEGENDS AND ABBREVIATIONS
ED100	ELECTRICAL GROUND FLOOR DEMOLITION PLAN
ED101	ELECTRICAL FIRST FLOOR DEMOLITION PLAN
EL100	ELECTRICAL GROUND FLOOR NEW WORK LIGHTING PLAN
EP100	ELECTRICAL GROUND FLOOR NEW WORK POWER PLAN
EY100	ELECTRICAL GROUND FLOOR NEW WORK FIRE ALARM PLAN
EP102	ELECTRICAL ROOF NEW WORK PLAN
EE600	ELECTRICAL PANELBOARD SCHEDULES
TECHNOLOGY	
T001	LEGEND AND INDEX
TD100	TECHNOLOGY GROUND FLOOR DEMOLITION PLAN
TD101	TECHNOLOGY FIRST FLOOR DEMOLITION PLAN
TD102	ENLARGED PLANS
TN100	TECHNOLOGY GROUND FLOOR OVERALL NEW WORK PLAN
TN101	TECHNOLOGY GROUND FLOOR NEW WORK PLAN
TN102	TECHNOLOGY FIRST FLOOR NEW WORK PLAN
TN103	TECHNOLOGY FIRST FLOOR NEW WORK PLAN BUILDING 77
TN104	TECHNOLOGY SECOND FLOOR NEW WORK PLAN BUILDING 77
TN105	TECHNOLOGY THIRD FLOOR NEW WORK PLAN BUILDING 77
TN401	DISPATCH EQUIPMENT ROOM ENLARGED PLANS
TN402	ENLARGED TR L121-204
TN403	TECHNOLOGY GROUND FLOOR ENLARGED DISPATCH PLAN
TN501	DETAILS
TN502	DETAILS AND SCHEDULE
TN503	DISPATCH EQUIPMENT DETAILS
TN601	SINGLE LINE DIAGRAMS
TN602	FIBER RISER DIAGRAM
TOTAL SHEETS: 56	



NORTH

PROJECT LOCATION
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN - FIRST FLOOR

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

STAMP

STATE OF OHIO
EILEEN TRIMBACH
12440
REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: COVER SHEET

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT. HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: ET

Drawn: CD

Project Number: 621-23-104

Building Number: 204

Drawing Number: GI000

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Police Dispatch Relocation/FFE_Mt Home - Police Relocation_ARCH (2024).rvt

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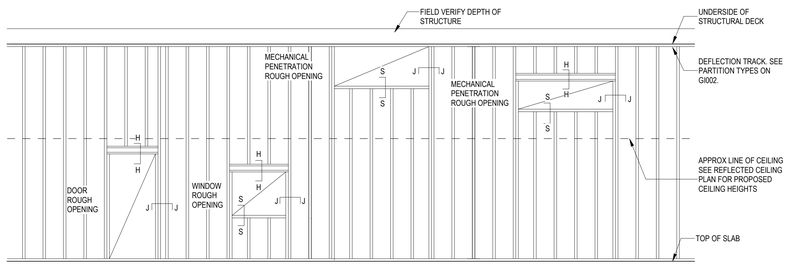
SYMBOLS

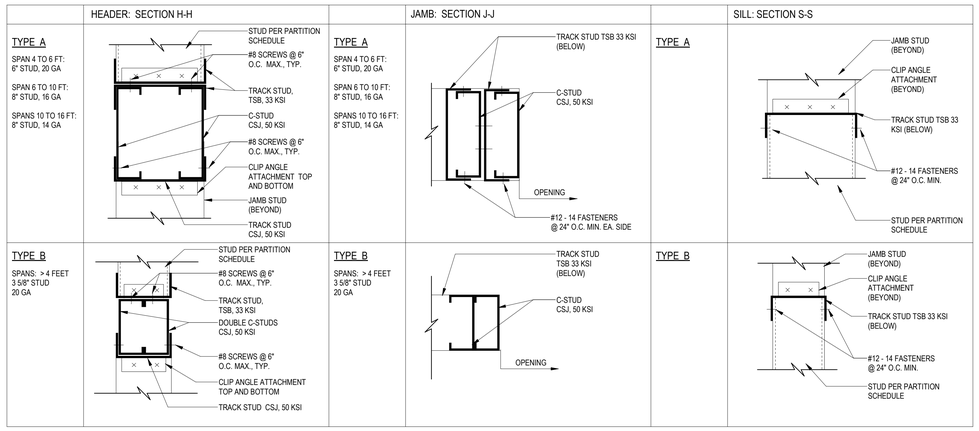
NORTH	PLAN NORTH (SEE CIVIL FOR TRUE NORTH)
0	GRID HEAD
1 A101 SIM	CALL OUT HEAD W/ SHEET NUMBER
1 A101 SIM	BUILDING SECTION NUMBER W/ SHEET NUMBER
ROOM NAME 1D-124	ROOM TAG WITH NAME AND NUMBER
2D-124	DOOR TAG
A1	WALL TAG
A	WINDOW TAG
00.00	KEYNOTE
1	REVISION TAG
9' - 0"	CEILING HEIGHT TAG
P-1	MATERIAL TAG
F0340	EQUIPMENT TAG - JSN NUMBER
EJ	EXPANSION JOINT

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	ICRA	INFECTION CONTROL RISK ASSESSMENT
AFF	ABOVE FINISH FLOOR	M.E.P.	MECHANICAL, ELECTRICAL, PLUMBING
ALT.	ALTERNATE	MAX.	MAXIMUM
ALUM	ALUMINUM	MECH.	MECHANICAL
APPROX.	APPROXIMATE	MIN.	MINIMUM
ARCH.	ARCHITECT/ ARCHITECTURAL	MISC.	MISCELLANEOUS
B.U.R.	BUILT-UP ROOFING	MTD.	MOUNTED
BLDG.	BUILDING	(N)	NEW
BOT.	BOTTOM	N.I.C.	NOT IN CONTRACT
C.J.	CONSTRUCTION JOINT	N.T.S.	NOT TO SCALE
C.O.	CONTRACTING OFFICER	O.C.	ON CENTER
C.O.R.	CONTRACTING OFFICER'S REPRESENTATIVE	OPNG	OPENING
CC	CONTRACTOR FURNISHED AND INSTALLED	OPP.	OPPOSITE
CLR.	CLEAR	P.	PAINT
CMU	CONCRETE MASONRY UNIT	P.S.F.	POUNDS PER SQUARE FOOT
COL	COLUMN	P.S.I.	POUNDS PER SQUARE INCH
CONC.	CONCRETE	PL.	PLATE
CONT	CONTINUOUS	PT	PORCELAIN TILE
CPT.	CARPET	Q.T.	QUARRY TILE
CT	CERAMIC TILE	R.C.P.	REFLECTED CEILING PLAN
CTR.	CENTER	R.D.	ROOF DRAIN
CV	CONTRACTOR FURNISHED/ V.A. INSTALLED	R.O.	ROUGH OPENING
DIA.	DIAMETER	RAD.	RADIUS
DIM.	DIMENSION	RB	RUBBER BASE
DIV.	DIVISION	REF.	REFERENCE
DWGS	DRAWINGS	REINF.	REINFORCING
(E)	EXISTING	RES	RESINOUS FLOORING
E.A.	EACH	SD	STATIC DISSIPATIVE FLOORING
E.J	EXPANSION JOINT	SF	SQUARE FOOT (FEET)
EQ	EQUAL	SIM.	SIMILAR
ETR	EXISTING TO REMAIN	SOG	SLAB ON GRADE
EX.	EXAMPLE	SPEC.	SPECIFICATION
EXP. A.	EXPANSION ANCHOR	SS	STAINLESS STEEL
EXT.	EXTERIOR	T.O.C.	TOP OF CURB
F.D.	FLOOR DRAIN	T.O.P.	TOP OF PAVEMENT
F.E.	FIRE EXTINGUISHER	TME	TO MATCH EXISTING
F.E.C.	FIRE EXTINGUISHER CABINET	TYP.	TYPICAL
F.O.B.	FACE OF BUILDING	U.N.O.	UNLESS NOTED OTHERWISE
FTG.	FOOTING	V.C.T.	VINYL COMPOSITION TILE
G.B.	GRAB BAR	V.I.F.	VERIFY IN FIELD
GA.	GAUGE	VB	VAPOR BARIER
GALV.	GALVANIZED	VC	V.A. FURNISHED/ CONTRACTOR INSTALLED
GSF	GROSS SQUARE FOOTAGE	VT	VINYL TILE
GYP	GYPSUM BOARD	VV	V.A. FURNISHED AND INSTALLED
H.M.	HOLLOW METAL	W.C.	WATER CLOSET
H.S.S.	HOLLOW STRUCTURAL STEEL	W.W.F.	WELDED WIRE FABRIC
		WSF	WELDED SEAM SHEET FLOORING



FRAME WALL ROUGH OPENING DIAGRAM
1/4" = 1'-0"



HEAD JAMB & SILL CONFIGURATIONS - TYPICAL
3" = 1'-0"

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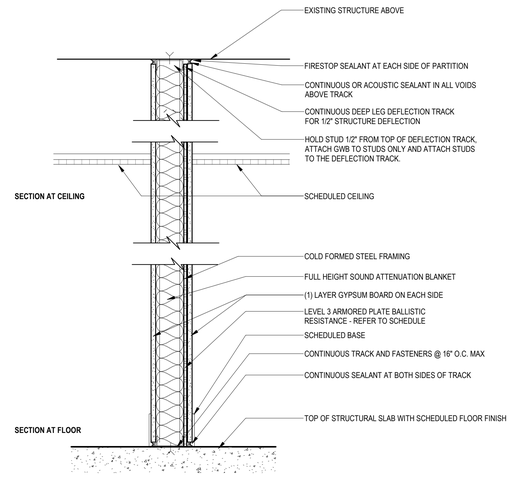
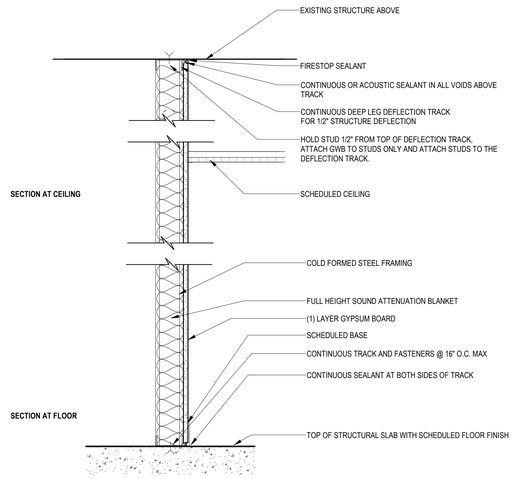


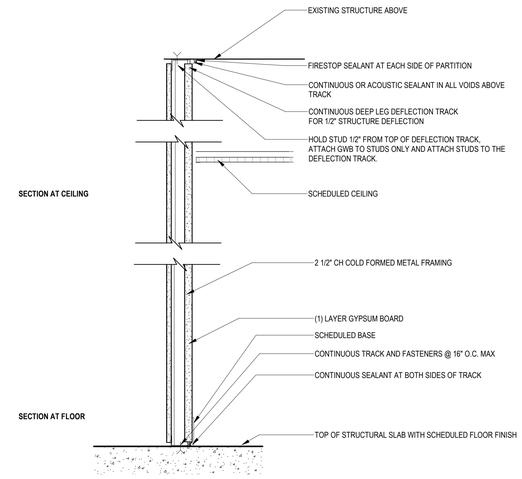
MARK	WALL THICKNESS	SUBSTRATE [1]	CORE STRUCTURE	BALLISTIC RESISTANCE	SUBSTRATE [2]	INSULATION / BATT	STUD SIZE	RATING	UL
A1	4 7/8"	(1) 5/8" GYPSUM BOARD TYPE "X"	COLD-FORMED STEEL	-	(1) 5/8" GYPSUM BOARD TYPE "X"	3 1/2" BATT	3 5/8"	-	-
A1.1	5 1/8"	(1) 5/8" GYPSUM BOARD TYPE "X"	COLD-FORMED STEEL	1/4" ARMORED PLATE	(1) 5/8" GYPSUM BOARD TYPE "X"	3 1/2" BATT	3 5/8"	-	UL752 LEVEL 3
A2	7 1/2"	(1) 5/8" GYPSUM BOARD TYPE "X"	COLD-FORMED STEEL	1/4" ARMORED PLATE	(1) 5/8" GYPSUM BOARD TYPE "X"	6" BATT	6"	-	UL752 LEVEL 3
A2.1	7 1/2"	(1) 5/8" GYPSUM BOARD TYPE "X"	COLD-FORMED STEEL	1/4" ARMORED PLATE	(1) 5/8" GYPSUM BOARD TYPE "X"	6" BATT	6"	1 HR	UL752 LEVEL 3

TYPE A - TYPICAL PARTITION



MARK	WALL THICKNESS	SUBSTRATE [1]	CORE STRUCTURE	BALLISTIC RESISTANCE	SUBSTRATE [2]	INSULATION / BATT	STUD SIZE	RATING	UL
B1	4 1/4"	-	COLD-FORMED STEEL	-	(1) 5/8" GYPSUM BOARD	3 1/2" BATT	3 5/8"	-	-

TYPE B - ONE SIDED PARTITION



MARK	WALL THICKNESS	SUBSTRATE [1]	CORE STRUCTURE	SUBSTRATE [2]	INSULATION / BATT	STUD SIZE	RATING	UL
S1	3 1/8"	(1) 1" GYPSUM BOARD	COLD FORMED STEEL	(1) 5/8" GYPSUM BOARD	-	2 1/2"	1-HOUR	U415 A

TYPE S - RATED SHAFT

GENERAL PARTITION NOTES

A. REFER TO GI001 FOR WALL FRAME AND HEAD JAMB & SILL CONFIGURATIONS.

B. REFERENCE FLOOR PLANS FOR PARTITION TYPES.

C. COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR OPENINGS THAT ACCOMMODATE NEW MECHANICAL, ELECTRICAL, AND PLUMBING WORK.

D. ANCHOR GYPSUM BOARD WITH SCREWS AT 8" O.C. MAX. ON EDGES AT 12" O.C. MAX. IN FIELD PER UL DESIGN NUMBERS LISTED.

E. LABEL ALL RATED PARTITIONS ABOVE CEILING WITH PLAQUE OR STENCILED SIGN READING: "(SMOKE BARRIER/ FIRE BARRIER/ SMOKE RESISTIVE) - SEAL AND PROTECT ALL OPENINGS". REFER TO PARTITION SCHEDULE ON THIS SHEET FOR RATING TYPE. SIGN SHALL BE PLACED ON BOTH SIDES OF PARTITIONS.

F. COORDINATE FRAMING WITH FIRE AND SMOKE DAMPERS AT PENETRATIONS IN RATED PARTITIONS.

G. PROVIDE CONTINUOUS FIRE RATED SEALANT AT THE PERIMETER OF ALL FIRE RATED WALLS AND CHASES, INCLUDING THE TOP, BOTTOM, AND SIDE EDGES ON BOTH SIDES OF WALL.

H. ROUGH OPENING FRAMING CONFIGURATIONS DEPICTED BY THE FRAME OF THE WALL ROUGH OPENING DIAGRAM ARE BASED ON COLD FORMED METAL FRAMED WALL PARTITIONS AND ARE CONCEPTUAL IN NATURE - REFER TO ENLARGED DETAILS FOR FURTHER CONTEXT.

I. PROVIDE A MINIMUM OF ONE STUD SEPARATION BETWEEN OUTLET BOXES AND OTHER PENETRATIONS OCCURRING AT OPPOSITE FACE OF WALLS.

J. PROVIDE WALL REINFORCEMENT BETWEEN STUDS WHERE REQUIRED BY INSTALLATION OF MILLWORK AND/OR WALL HUNG EQUIPMENT.

K. PROVIDE ADDITIONAL BRACING AS REQUIRED AT ALL WALL STUD INSTALLATIONS EXCEEDING STUD MANUFACTURER REQUIREMENTS FOR MAXIMUM ALLOWED HEIGHT AND DEFLECTION.

L. REFER TO DIMENSION PLANS FOR AREAS THAT REQUIRE MOISTURE RESISTIVE GYPSUM BOARD SHEATHING.

M. PROVIDE CONTINUOUS NON-HARDENING ACOUSTICAL SEALANT AT TOP, SIDES AND EDGES OF BOTH SIDES OF WALL AT ALL NON-RATED GYPSUM BOARD PARTITIONS SCHEDULED TO RECEIVE SOUND ATTENUATION BLANKETS.

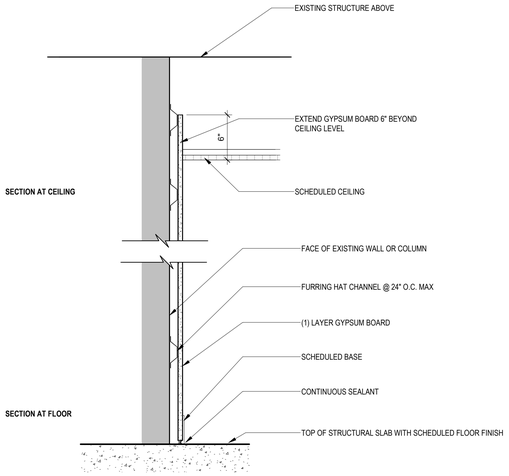
N. ALL PENETRATIONS AT NON-RATED WALLS SHALL BE SLEEVED AND PACKED AIRTIGHT WITH SAFING INSULATION AND SEALANT. ALL JOINT OF GYPSUM BOARD PANELS SHALL BE STAGGERED, TAPED, AND SEALED. FRAMING TO 1/2" +/- CLEARANCE AT PERIMETER OF MECHANICAL DUCTWORK.

O. SOUND ATTENUATION BATTS (SAB) ARE TO BE PLACED IN ALL PARTITIONS WHICH ENCLOSE A ROOM UNLESS NOTED OTHERWISE.

P. WHERE WALL TYPE GRAPHICS DEPICT REINFORCED CONCRETE OR MASONRY UNIT CONSTRUCTION, REINFORCING SYMBOLS ARE OMITTED FOR CLARITY. REFER TO STRUCTURAL DRAWINGS FOR REINFORCEMENT DESIGN.

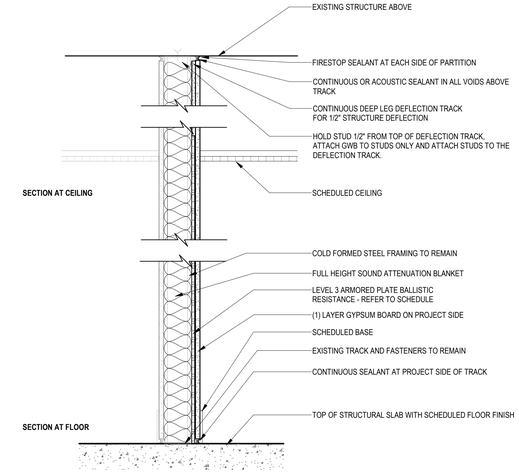
Q. UNLESS NOTED, THE CONNECTION AT THE TOP OF THE PARTITION TO THE STRUCTURE ABOVE MUST ALLOW FOR 1" MINIMUM VERTICAL MOVEMENT. AT FIRE RATED COLD-FORMED STEEL FRAMING PARTITIONS, THE TOP CONNECTION MUST BE A FIRE STOP CONNECTION THAT ALLOWS FOR 1" MINIMUM VERTICAL MOVEMENT. HOLD GYPSUM WALL BOARD AND STEEL STUDS 1" FROM THE BOTTOM OF THE STRUCTURE ABOVE. DO NOT SCREW-ATTACH STEEL VERTICAL STUDS OR GYPSUM WALL BOARD TO THE TOP TRACK. INSTALL BRIDGING 1/2" MINIMUM FROM THE TOP OF THE STUDS.

R. PARTITION SCHEDULE IS BASED ON THE USE OF GYPSUM WALL BOARD (GWB), BUT FACING BOARD MAY VARY, DEPENDENT ON FINAL FINISH SCHEDULED FOR THAT PARTITION: USE CEMENTITIOUS BACKER BOARD (CBB) WHERE CERAMIC TILE SCHEDULED IN "WET" AREAS; USE GYPSUM LATH (BLUE BOARD) WHERE VENEER PLASTIC IS SCHEDULED. SEE FINISH SCHEDULE AND SPECIFICATIONS FOR PARTICULARS. AT ALL PLUMBING FIXTURES INSTALL 4X8 (MR) MOISTURE RESISTANT BOARD CENTERED ON FIXTURE.



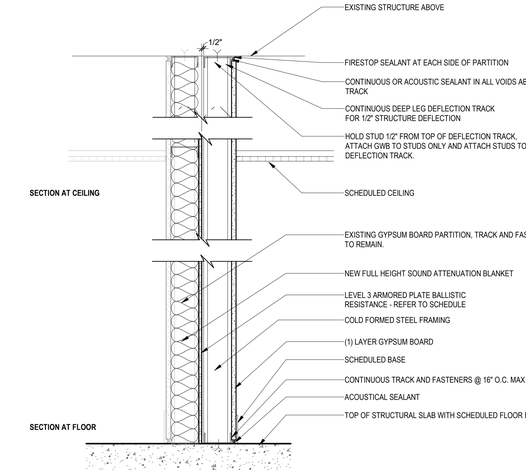
MARK	WALL THICKNESS	SUBSTRATE [1]	CORE STRUCTURE	SUBSTRATE [2]	INSULATION / BATT	STUD SIZE	RATING	UL
F1	1 1/2"	-	FURRING CHANNEL	(1) 5/8 GYPSUM BOARD	-	7/8"	-	-

TYPE F - FURR OUT PARTITION



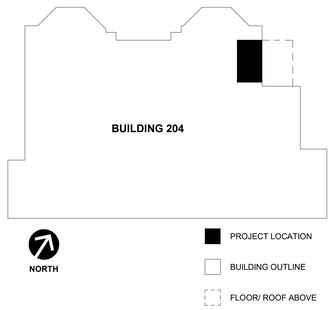
MARK	WALL THICKNESS	SUBSTRATE [1]	CORE STRUCTURE	BALLISTIC RESISTANCE	SUBSTRATE [2]	INSULATION / BATT	STUD SIZE	RATING	UL
E1.1	4 7/8"	ETR	COLD-FORMED STEEL	1/4" ARMORED PLATE	(1) 5/8" GYPSUM BOARD TYPE "X"	3 1/2" BATT	3 5/8"	-	UL 752 LEVEL 3

TYPE E1 - ETR PARTITION



MARK	WALL THICKNESS	SUBSTRATE [1]	CORE STRUCTURE	BALLISTIC RESISTANCE	SUBSTRATE [2]	INSULATION / BATT	STUD SIZE	RATING	UL
E2.1	ETR + 7 5/8"	ETR	COLD-FORMED STEEL	1/4" ARMORED PLATE	(1) 5/8" GYPSUM BOARD TYPE "X"	6" BATT	6"	-	UL 752 LEVEL 3

TYPE E2 - ETR PARTITION



KEY PLAN - FIRST FLOOR

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Checked: ET

Drawn: CD

VA FORM 08 - 6231

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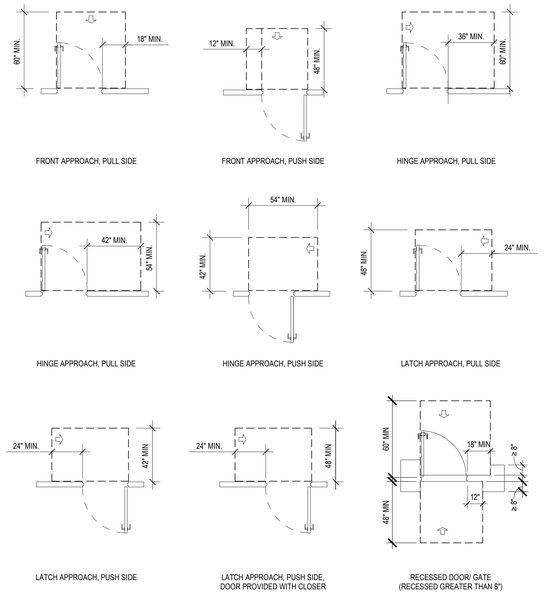


FIG. 404.2.4.1
MANEUVERING CLEARANCE AT SWINGING DOORS

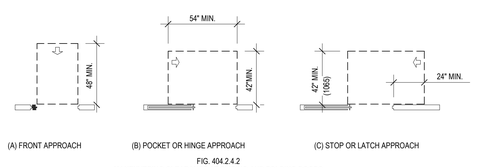


FIG. 404.2.4.2
MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS

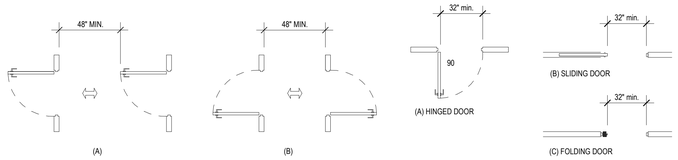


FIG. 404.2.6
TWO DOORS IN A SERIES

FIG. 404.2.3
CLEAR WIDTH OF DOORWAYS

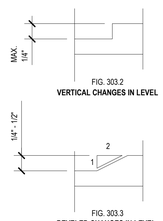


FIG. 303.2
VERTICAL CHANGES IN LEVEL

FIG. 303.3
BEVELED CHANGES IN LEVEL

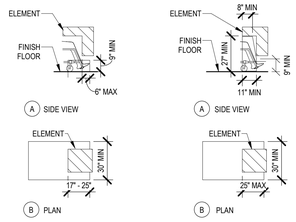


FIG. 306.2
TOE CLEARANCE

FIG. 306.3
KNEE CLEARANCE

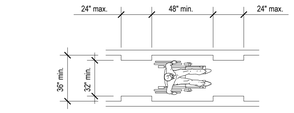


FIG. 403.5
CLEAR WIDTH OF AN ACCESSIBLE ROUTE

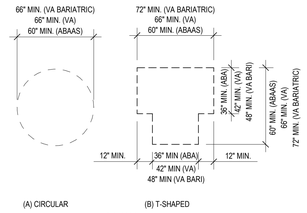


FIG. 304.3
SIZE OF WHEELCHAIR TURNING SPACE

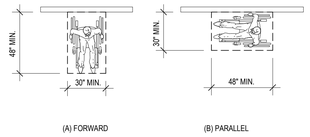


FIG. 405.5
POSITION OF CLEAR FLOOR OR GROUND SPACE

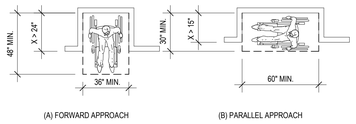


FIG. 305.7
MANEUVERING CLEARANCE IN AN ALCOVE

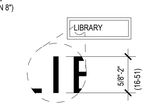


FIG. 703.2.4.4
CHARACTER HEIGHT

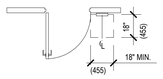


FIG. 703.2.8
MOUNTING LOCATION AT DOORS

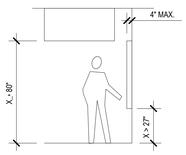


FIG. 307.2
LIMITS OF PROTRUDING OBJECTS

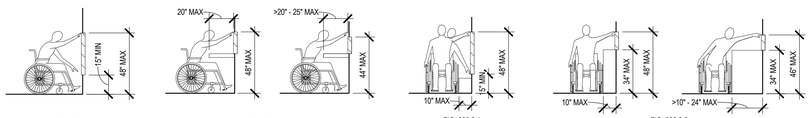


FIG. 308.2.1
UNOBSTRUCTRED FORWARD APPROACH

FIG. 308.2.2
OBSTRUCTED HIGH FORWARD APPROACH

FIG. 308.3.1
UNOBSTRUCTRED SIDE APPROACH

FIG. 308.3.2
OBSTRUCTED HIGH SIDE APPROACH

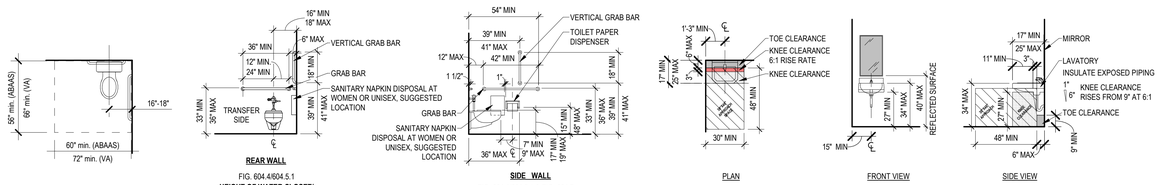


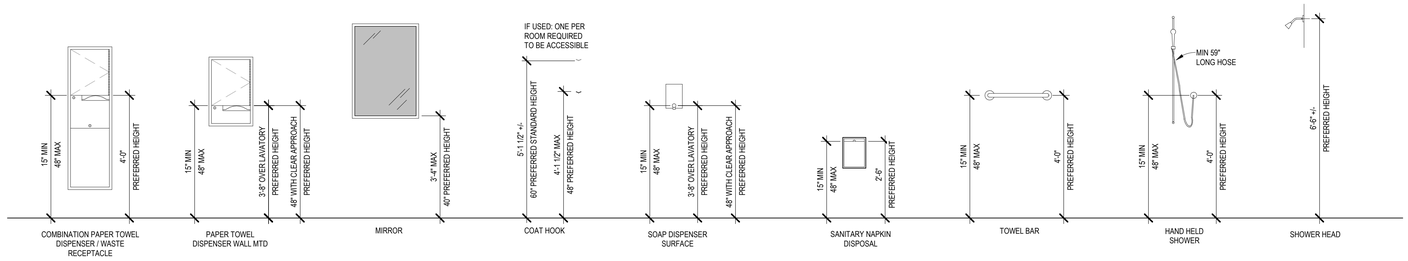
FIG. 604.4/604.5.1
HEIGHT OF WATER CLOSET/ SIDE WALL GRAB BAR FOR WATER CLOSET

FIG. 604.5.2
REAR WALL GRAB BAR FOR WATER CLOSET

FIG. 604.2/604.3.1
WATER CLOSET LOCATION/ SIZE CLEARANCE

FIG. 604.4/604.5.1 & FIG. 604.7
HEIGHT OF WATER CLOSET/ SIDE WALL GRAB BAR FOR WATER CLOSET DISPENSER LOCATION

FIG. 606.3
HEIGHT OF LAVATORIES AND SINKS



13 **TOILET FIXTURES AND ACCESSORIES**
1/2" = 1'-0"

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

STAMP: STATE OF OHIO — EILEEN TRIMBACH 12440 — REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ACCESSIBILITY REQUIREMENTS	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Building Number: 204
		Issue Date: 12/09/2024 · Checked: ET · Drawn: CD	Drawing Number: GI003

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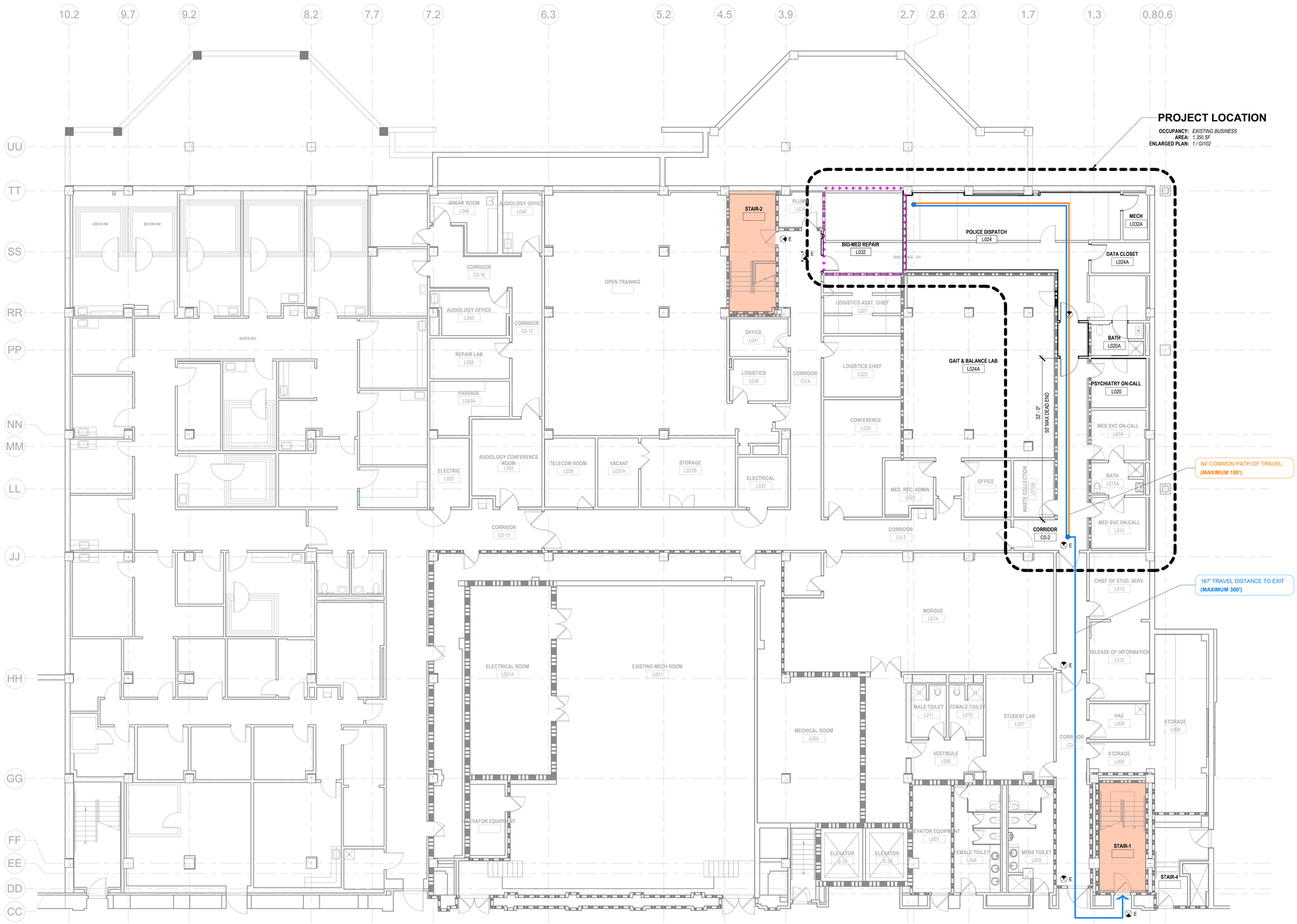
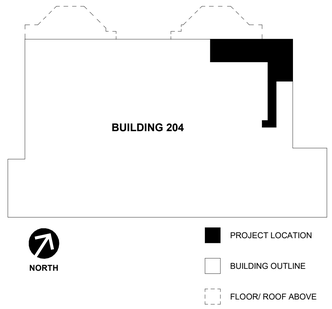


1 GROUND FLOOR OVERALL LIFE SAFETY PLAN
1/8" = 1'-0"

LIFE SAFETY LEGEND

- EXISTING PARTITION
- NEW CONSTRUCTION
- EXISTING 1-HOUR FIRE BARRIER
- PROPOSED 1-HOUR FIRE BARRIER
- EXISTING 2-HOUR FIRE BARRIER
- PROPOSED 2-HOUR FIRE BARRIER
- EXIT STAIRWELL/ PASSAGEWAY
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- COMMON PATH OF TRAVEL
- TRAVEL DISTANCE TO EXIT
- EXIT SIGN
- E EXISTING EXIT SIGN



KEY PLAN - GROUND FLOOR

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

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STATE OF OHIO
EILEEN TRIMBACH
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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
GROUND FLOOR LIFE SAFETY OVERALL	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
			Building Number 204
Approved: Owner	FULLY SPRINKLERED	Location MT. HOME, TENNESSEE	Drawing Number
		Issue Date 12/09/2024 · Checked ET · Drawn CD	GI101

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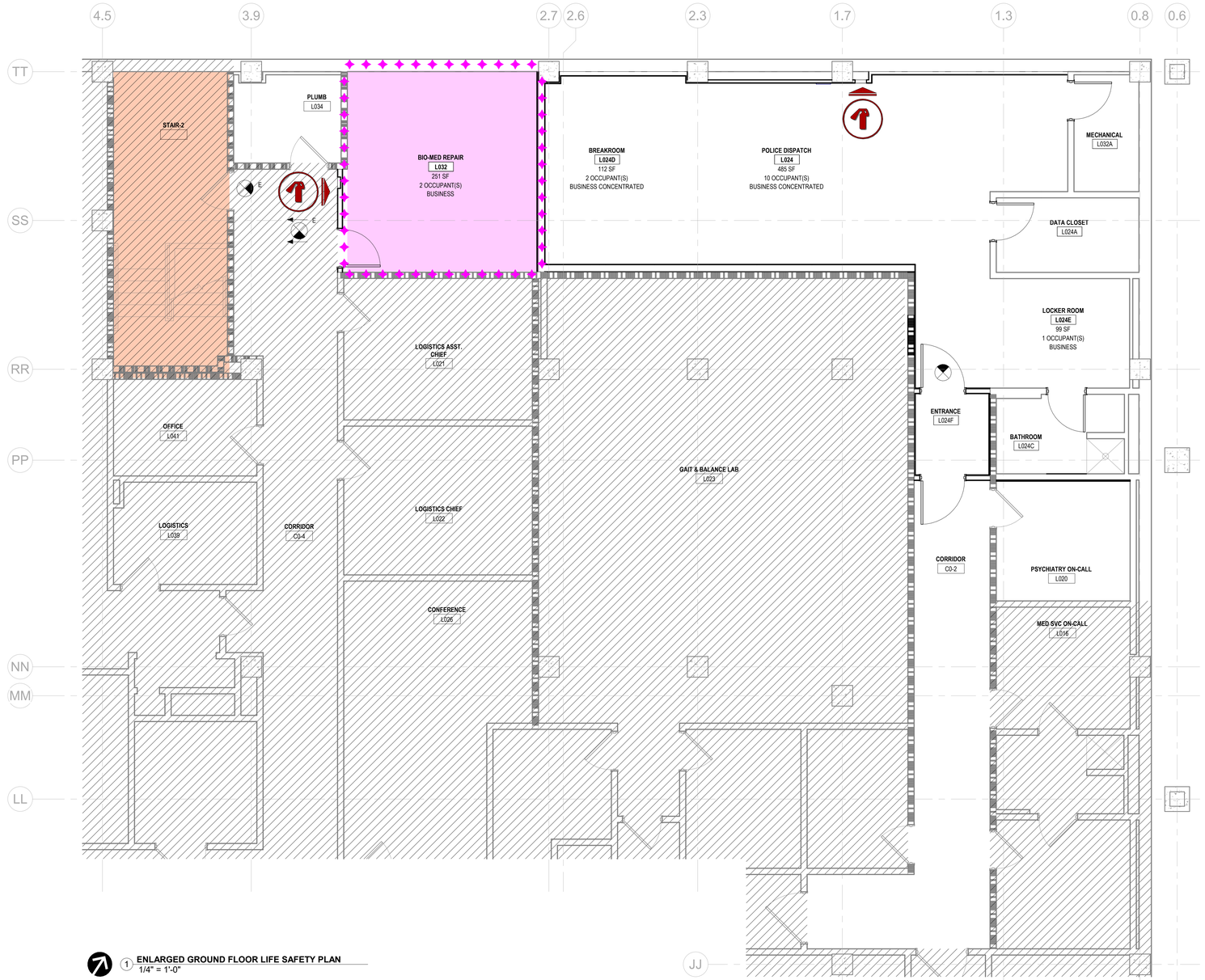

1 ENLARGED GROUND FLOOR LIFE SAFETY PLAN
1/4" = 1'-0"

NFPA CODE REVIEW

VA PROJECT #621-23-104
RELOCATE POLICE DISPATCH
MT HOME VA HEALTH CARE SYSTEM

APPLICABLE CODES AND STANDARDS

NFPA 101 LIFE SAFETY CODE, NATIONAL FIRE PROTECTION ASSOCIATION
VA BARRIER FREE STANDARD - A SUPPLEMENT TO THE ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS)
ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARDS (ABAAS)
OSHA STANDARDS
VA FIRE PROTECTION DESIGN MANUAL, 2021 VERSION
NFPA 13: STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2022 VERSION
VA PLUMBING DESIGN MANUAL, 2021 VERSION
2018 TENNESSEE PLUMBING CODE
NFPA 99: HEALTH CARE FACILITIES CODE, 2021 VERSION
VA HVAC DESIGN MANUAL – 2017
NFPA 90A - 2024
INTERNATIONAL MECHANICAL CODE - 2015 EDITION
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY – ASHRAE 62.1
VENTILATION OF HEALTH CARE FACILITIES – ASHRAE 170
UL 752

OCCUPANCY GROUPS

B BUSINESS

CONSTRUCTION TYPE

ACCEPTABLE CONSTRUCTION TYPES BASED ON OBSERVATIONS OF CONSTRUCTION MATERIALS INCLUDE TYPE I (443), I (332) AND II (222). THIS REPORT WILL USE THE LEAST RESTRICTIVE TYPE II (222).

SPRINKLERED BUILDING

YES: NFPA 13 - SEE FIRE PROTECTION SECTION

FIRE RESISTIVE CONSTRUCTION

2024 NFPA 220

TABLE 4.1.1 CONSTRUCTION TYPE II (222):
EXTERIOR BEARING WALLS: 2-HOUR
INTERIOR BEARING WALLS: 2-HOUR
COLUMNS: 2-HOUR
BEAMS, GIRDERS, TRUSSES, AND ARCHES: 2-HOUR
FLOOR-CEILING ASSEMBLIES: 2-HOUR
ROOF-CEILING ASSEMBLIES: 1-HOUR
INTERIOR NONBEARING WALLS: 0-HOUR
EXTERIOR NONBEARING WALLS: 0-HOUR

INTERIOR PARTITIONS

TYPE:	LOCATION:	FIRE RATING:
FIRE BARRIER	SHAFTS / STAIR ENCLOSURE	2 HOUR
	EXIT PASSAGEWAYS	2 HOUR
	HORIZONTAL EXIT	2 HOUR
	INCIDENTAL USES	1 HOUR

INTERIOR WALL AND CEILING FINISH REQUIREMENTS

39.3.3.2.2 INTERIOR WALL AND CEILING FINISHES SHALL BE CLASS A, CLASS B, OR CLASS C IN AREAS OTHER THAN EXITS AND EXIT ACCESS CORRIDORS.

FIRE PROTECTION

AUTOMATIC SPRINKLER SYSTEM

YES: NFPA 13
SECONDARY WATER SUPPLY: CONNECTION TO 2 MAINS / ON SITE WATER SUPPLY
FIRE PUMP: REQUIRED / NOT REQUIRED

PORTABLE FIRE EXTINGUISHERS

HAZARD CLASS: LIGHT HAZARD
FIRE EXTINGUISHER TYPE / SIZE: 4A-80B:C
MAXIMUM FLOOR AREA PER EXTINGUISHER: 11,250 SF

FIRE ALARM AND DETECTION SYSTEM

MANUAL FIRE ALARM: ONE PULL STATION REQUIRED (SPRINKLERED)
SPRINKLER WATER FLOW: REQUIRED
AUTOMATIC SMOKE DETECTION: REQUIRED
EMERGENCY VOICE/ALARM: REQUIRED / PROVIDED
FIRE DEPARTMENT COMMS.: PROVIDED IN LIEU OF RADIO SYSTEM
SMOKE ALARMS: REQUIRED
CARBON MONOXIDE ALARMS: REQUIRED

MEANS OF EGRESS

OCCUPANT LOAD FACTORS

7.3.1.2 OCCUPANT LOAD OF SPACE (PROJECT AREA ONLY):
GROUND FLOOR: 15 OCCUPANTS

EGRESS WIDTH FACTORS

STAIRWAYS: 0.3" / OCCUPANT
OTHER EGRESS COMPONENTS: 0.2" / OCCUPANT

EXIT ACCESS TRAVEL DISTANCE

39.2.6.3. TRAVEL DISTANCE TO AN EXIT SHALL NOT EXCEED 300 FT IN BUSINESS OCCUPANCIES PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 9.7.

CORRIDOR MAXIMUM DEAD END

39.2.5.3 DEAD END CORRIDORS SHALL NOT EXCEED 50 FT.
39.2.5.3.1 COMMON PATH OF TRAVEL SHALL NOT EXCEED 100 FT ON A STORY PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 9.7.1.1.

STRUCTURAL

ASCE7-2016 SEISMIC DESIGN CATEGORY – D (RISK CATEGORY IV, SITE CLASS D)

PROJECT SCOPE AREA

GROUND FLOOR: 1,350 SF
TOTAL: 1,350 SF

LIFE SAFETY LEGEND

- EXISTING PARTITION
- EXISTING 1-HOUR FIRE BARRIER
- PROPOSED 1-HOUR FIRE BARRIER
- EXISTING 2-HOUR FIRE BARRIER
- EXIT STAIRWELL/ PASSAGEWAY
- SMOKE RESISTIVE HAZARDOUS ROOM ENCLOSURE
- EXIT SIGN
- E EXISTING EXIT SIGN
- FIRE EXTINGUISHER
- NOT IN SCOPE

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

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ARCHITECT/ENGINEER OF RECORD

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STATE OF OHIO
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12440
REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED LIFE SAFETY PLAN

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT. HOME, TENNESSEE

Issue Date: 12/09/2024 | Checked: ET | Drawn: CD

Project Number: 621-23-104

Building Number: 204

Drawing Number: GI102

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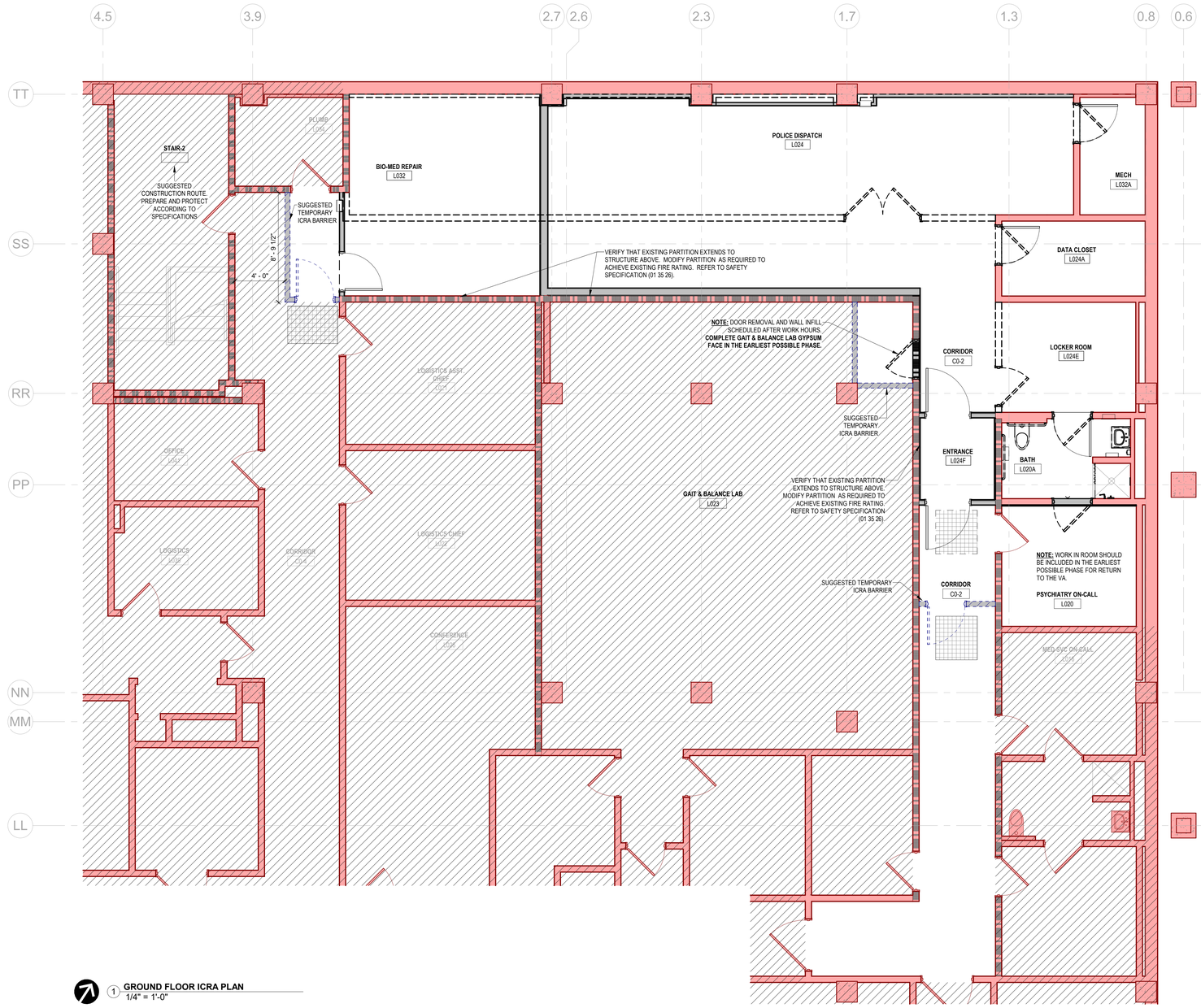

1 GROUND FLOOR ICRA PLAN
1/4" = 1'-0"

INFECTION AND DUST CONTROL

DUE TO THE LOCATION OF RENOVATION WORK INDICATED CONSTRUCTION IS WITHIN THE INFECTION RISK CATEGORY FOUR (IV) .

THE INFECTION AND DUST CONTROL PLANS SHALL BE DISTRIBUTED TO AND APPLIED BY ALL CONTRACTORS PERFORMING WORK ON THIS PROJECT.

A. REFER TO PHASING PLANS AND SPECIFICATION SECTION 01 35 26, SAFETY REQUIREMENTS FOR ADDITIONAL INFECTION CONTROL INFORMATION.
B. COORDINATE ALL WORK ASSOCIATED WITH PROJECT FOLLOWING THE SITE-SPECIFIC INFECTION CONTROL RISK ASSESSMENT.
C. AREAS ADJACENT TO IMMEDIATE (PHASED) WORK AREAS WILL BE FULLY OCCUPIED AND FUNCTIONING NORMALLY THROUGHOUT THE CONSTRUCTION PERIOD.
D. THERE WILL BE ZERO TOLERANCE FOR ANY DUST MIGRATION OUTSIDE OF THE IMMEDIATE WORK SITE AREAS IDENTIFIED BY PHASING PLANS.
E. CONTRACTOR SHALL PROVIDE FOR PROFESSIONAL TERMINAL CLEANING OF PHASED WORK AREAS PRIOR TO TURNING OVER TO THE VA MEDICAL CENTER FOR OCCUPANCY.
F. EXTERIOR DEMOLITION ACTIVITIES (INCLUDES CUTTING AND PATCHING):
   a. EVALUATE EXISTING SITE CONDITIONS TO DETERMINE THE PRESENCE OF ANY OUTSIDE AIR INTAKES WITHIN 20 FEET OF THE PROPOSED EXTERIOR WORK.
   b. IF PRESENT - IN COLLABORATION WITH VA COR, DETERMINE IF THE IMPACTED EXTERIOR AREAS OF THE FACILITY CAN OPERATE TEMPORARILY ON RECIRCULATED AIR VS. OUTSIDE AIR.
      • IF FEASIBLE - SEAL OFF AIR INTAKES WITHIN 20 FEET OF DUST GENERATING WORK.
      • IF NOT FEASIBLE - ROUTINELY CHECK THE LOW-EFFICIENCY FILTER BANKS LOCATED IN LINE WITH ADJACENT AIR INTAKE(S) AND REPLACE AS NEEDED TO REDUCE PARTICULATE BUILD-UP.
   c. SEAL WINDOWS AND REDUCE OTHER SOURCES OF OUTSIDE AIR INTRUSION (OPEN DOORS IN STAIRWELLS AND CORRIDORS) THAT MAY BE IMPACTED BY CONSTRUCTION. PAY SPECIAL ATTENTION TO PROTECTIVE ENVIRONMENT (PE) AREAS.
G. INTERIOR DEMOLITION AND CONSTRUCTION ACTIVITIES DUST AND DEBRIS CONTROL:
   a. BARRIER SYSTEMS: PHASED AREAS OF WORK SHALL BE ISOLATED FROM ADJACENT AREAS WITH 1-HR RATED DUST PARTITIONS.
   b. DUE TO MULTIPLE PHASES, CONTRACTOR MAY UTILIZE PRE-ENGINEERED (MODULAR) TEMPORARY CONSTRUCTION PARTITIONS LIKE THOSE MANUFACTURED BY EDGE-GUARD PRODUCTS, 216 N. PLATT ST., BEMENT, IL 61813, TELE 217-552-5418, WEBSITE: WWW.EDGE-GUARD.COM OR APPROVED EQUAL.
      • IN LIEU OF MODULAR WALL SYSTEMS, CONTRACTOR MAY BUILD ON-SITE DUST PARTITIONS TO BE METAL FRAMED WITH GYPSUM WALL BOARD ON EACH SIDE. PARTITION TO BE CONSTRUCTED EQUAL TO UL DESIGN U465.
   c. DUST PARTITIONS SHALL BE INSTALLED WITH A TIGHT SEAL AT FLOOR AND CEILING OR STRUCTURE ABOVE CEILING. WHERE PROJECT AREA DEMISING WALLS ARE SHOWN TO BE EXTENDED UP TO STRUCTURE ABOVE - PROVIDE AIR TIGHT SEAL AT BOTH TOP OF EXISTING DEMISING WALL (TO BE EXTENDED) AND AT STRUCTURE ABOVE.
      • WHERE PROJECT AREA DEMISING WALL EXTENSIONS IMPACT EXISTING FIRE PROOFED STEEL STRUCTURE - CAREFULLY REMOVE THE FIREPROOFING (ONLY) IN AREA WHERE TOP WALL TRACK MEETS EXISTING STEEL. PATCH ANY FIREPROOFING DISTURBED BY CONSTRUCTION ACTIVITIES WITH NEW FIRE PROOFING MATCHING EXISTING SYSTEM.
      • AN INTERIM PLASTIC DUST BARRIER (MINIMUM 6-MIL THICKNESS) SHALL BE INSTALLED TO PROTECT ADJACENT AREAS WHILE THE MODULAR WALL SYSTEMS ARE BEING INSTALLED OR IMPERVIOUS (1-HR RATED) DUST PARTITION IS BEING CONSTRUCTED.
   d. ANY DUST GENERATED FROM DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY CLEANED IF TRACKED OR FOUND OUTSIDE OF THE CONSTRUCTION PHASE PERIMETER.
   e. MONITOR DUST PARTITION CONDITION AND PERFORM MAINTENANCE - DURING PHASED DEMOLITION AND CONSTRUCTION ACTIVITIES.
   f. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, DUST PARTITIONS SHALL BE CAREFULLY REMOVED TO MINIMIZE THE SPREAD OF DUST.
      • CONTRACTOR SHALL INSTALL INTERIM PLASTIC DUST BARRIERS (MINIMUM 6-MIL THICKNESS) PRIOR TO THE REMOVAL OF DUST PARTITIONS.
   g. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY PARTITION LAYOUT. LAYOUT SHALL NOT INTERFERE WITH HOSPITAL OPERATION.
H. TRAFFIC CONTROL:
   a. PHASED SITE ACCESS SHALL HAVE DEFINED ENTRY AND EXIT PROCEDURES. EGRESS PATHS AND BE FREE OF DEBRIS, TOOLS, EQUIPMENT, OR CONTAINERS.
   b. DESIGNATED ELEVATORS SHALL ONLY BE USED DURING SCHEDULED TIME PERIODS AND ONLY AUTHORIZED PERSONNEL SHALL BE ALLOWED TO ENTER THE CONSTRUCTION ZONE. COORDINATE ELEVATOR ACCESS WITH THE VAMC THROUGH THE COR.
   c. INSTALL SIGNAGE TO DIRECT PEDESTRIAN TRAFFIC AWAY FROM THE CONSTRUCTION AREAS.
I. DEMOLITION DEBRIS:
   a. ALL DEBRIS GENERATED BY PROJECT SHALL BE REMOVED IN CARTS WITH TIGHTLY FITTING COVERS, USING DESIGNATED TRAFFIC ROUTES. EFFORTS SHALL BE MADE TO MINIMIZE THE USE OF ELEVATORS SHARED BY PATIENTS OR STAFF. PERFORM TRANSPORT OF DEBRIS AT TIMES DIRECTED BY THE VAMC THROUGH THE COR. IF EXTERIOR TRASH CHUTES ARE USED TO DIRECT DEBRIS OUTSIDE, HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTERED NEGATIVE AIR MACHINES SHALL BE USED AND THE CHUTE OPENING SEALED WHEN NOT IN USE. USED FILTERS SHALL BE BAGGED AND SEALED BEFORE TRANSPORTING OUT OF THE CONSTRUCTION AREA. THE CONTRACTOR SHALL NOT HAUL DEBRIS THROUGH PATIENT-CARE AREAS WITHOUT PRIOR APPROVAL OF THE VAMC.
J. VENTILATION AND ENVIRONMENTAL CONTROLS:
   a. AIR SYSTEM FLOW: DETERMINE IF CONSTRUCTION AREA USES FRESH/OUTSIDE OR RECIRCULATED AIR. ADD FILTERS AND/OR COVER RETURN GRILLS WITH FILTER MATERIAL OR PLASTIC. AIR MUST (ONLY) FLOW IN THE DIRECTION OF CLEAN AREAS TO DIRTY AREAS.
   b. NEGATIVE AIR PRESSURE: AIR WITHIN THE CONSTRUCTION AREAS (PHASES) MUST BE MAINTAINED AT NEGATIVE PRESSURE WITH RESPECT TO SURROUNDING AREAS. NO DISRUPTION OF AIR SYSTEMS OF ADJACENT AREAS IS ALLOWED DURING PERIODS OF VAMC OCCUPANCY OF ADJACENT AREAS. THE NEGATIVE AIR PRESSURE SYSTEM WITHIN THE ENCLOSED PHASES SHALL EXHAUST DIRECTLY OUTSIDE.
      • DUST PARTITIONS SHALL BE OUTFITTED WITH CONTINUOUS AIR PRESSURE MONITORING DEVICES WITH 24/7 READ OUT AND LOGGING. BASIS OF DESIGN FOR AIR PRESSURE MONITORING DEVICE IS PHOENIX CONTROLS APM II, OR EQUAL.
K. WORKSITE CLOTHING AND CLEANING:
   a. CONTRACTOR PERSONNEL CLOTHING SHALL BE FREE OF LOOSE SOIL AND DEBRIS BEFORE ENTERING OR LEAVING THE CONSTRUCTION AREA. IF PROTECTIVE APPAREL IS NOT WORN (E.G. COVERALLS, FOOTGEAR, AND HEADGEAR) A HEPA-FILTERED VACUUM SHALL BE USED TO REMOVE DUST FROM CLOTHING BEFORE LEAVING THE PHASED CONSTRUCTION AREA. IF PROTECTIVE APPAREL IS UTILIZED, THE CONTRACTOR SHALL CONSTRUCT A SPACE AS AN ANTEROOM FOR CHANGING CLOTHING AND STORING EQUIPMENT.
   b. ALL EQUIPMENT, TOOLS, CARS, MATERIALS, ETC. TRANSPORTED THROUGH NORMALLY OCCUPIED AREAS SHALL BE MADE FREE FROM DUST AND MOISTURE BY VACUUMING AND WET MOPPING BEFORE THEIR REMOVAL FROM THE CONSTRUCTION ZONE OR WORK AREA.
   c. THE CONSTRUCTION ZONE MUST BE MAINTAINED IN A CLEAN MANNER BY CONTRACTORS. SWEEP OR HEPA-VACUUM CONSTRUCTION AREA DAILY - OR MORE FREQUENTLY AS NEEDED TO MINIMIZE DUST. ADJACENT AREAS IMPACTED BY CONSTRUCTION SHOULD BE DAMP MOPPED DAILY OR MORE FREQUENTLY AS NEEDED. WALK-OFF MATS WITH TACKY OR ADHESIVE SURFACES SHOULD BE UTILIZED TO MINIMIZE TRACKING OF DIRT AND DUST FROM CONSTRUCTION AREAS.

WITHIN 30 DAYS OF CONSTRUCTION AWARD, SUBMIT TO THE VA COR A PHASING PLAN SHOWING PROPOSED AREAS WITHIN EACH PHASE, WORK HOURS, ANTEROOM / CONSTRUCTION BARRIERS, REQUIRED ICRA PRACTICES, CONSTRUCTION AREA ACCESS POINTS, AND MAINTAINED EGRESS ROUTES. THE PHASING PLAN IS PROPOSED BY THE CONTRACTOR AND APPROVED BY THE VA PRIOR TO MOBILIZATION. ALL CONSTRUCTION BARRIER LOCATIONS WITHIN THESE DOCUMENTS ARE SHOWN AS SUGGESTED LOCATIONS AND MAY VARY BASED ON CONTRACTOR'S PROPOSED PHASING SOLUTION AND VA'S AUTHORIZATION OF THAT SOLUTION.

DEMOLITION CAN ONLY BEGIN AFTER ICRA BARRIER INSTALLATION.

ICRA LEGEND

- EXISTING CONSTRUCTION
- EXISTING SMOKE ZONE BARRIER
- EXISTING 1-HOUR FIRE BARRIER
- EXISTING 2-HOUR FIRE BARRIER
- NEW CONSTRUCTION
- DEMOLISH EXISTING CONSTRUCTION
- TEMPORARY ICRA BARRIER
- OFFICE 100 — EXISTING ROOM TAG
- DEMOLISH DOOR AND FRAME
- HW — REMOVE HARDWARE AND SALVAGE DOOR - REFER TO DOOR SCHEDULE
- EXISTING TO REMAIN (DOORS, WALLS, COLUMNS, ETC)
- NOT IN SCOPE
- DEBRIS/STICKY MAT

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

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FFE | HEAPY

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STATE OF OHIO — EILEEN TRIMBACH 12440 — REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	ICRA PLAN
Approved: Owner	
Phase	CONSTRUCTION DOCUMENTS 100%
	FULLY SPRINKLERED
Project Title	RELOCATE POLICE DISPATCH
Location	MT. HOME, TENNESSEE
Issue Date	12/09/2024
Checked	ET
Drawn	CD
Project Number	621-23-104
Building Number	204
Drawing Number	GI120

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Police Dispatch Relocation/FFE_Mt Home - Police Relocation_ARCH (2024).rvt

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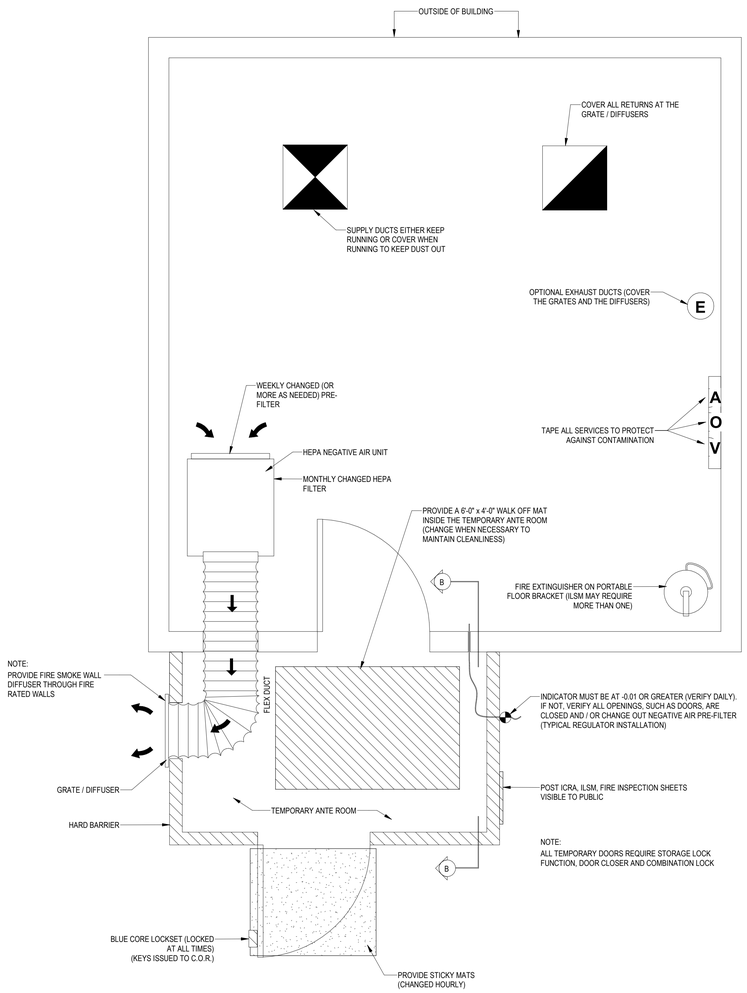
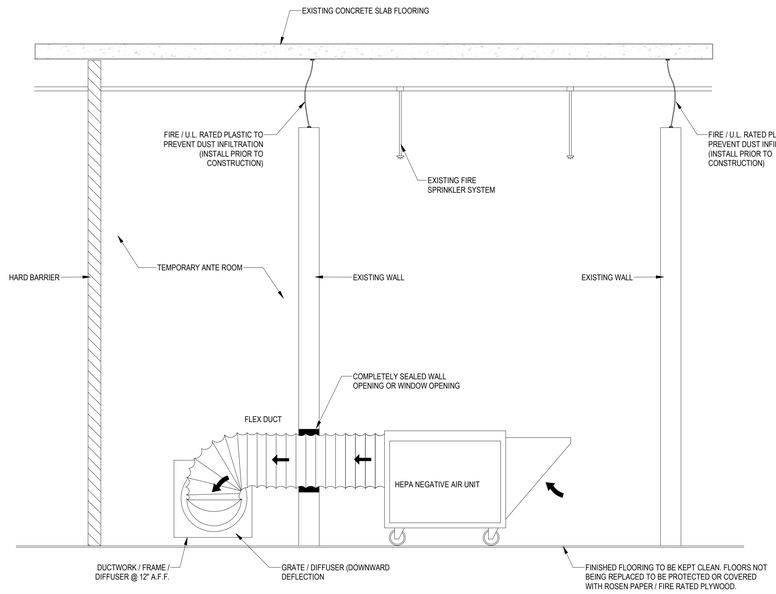


1 **TYPICAL ALTERNATIVE CONSTRUCTION LAYOUT CLASS IV**
NTS



2 **CROSS-SECTION 'A-A' CLASS IV**
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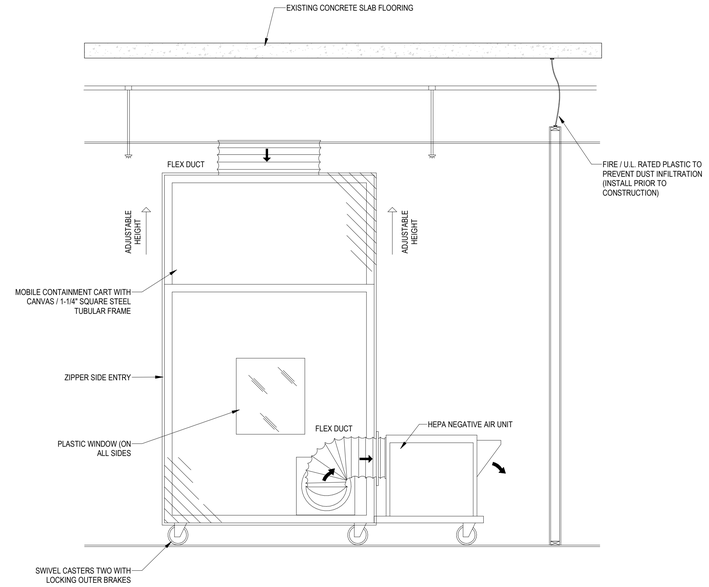
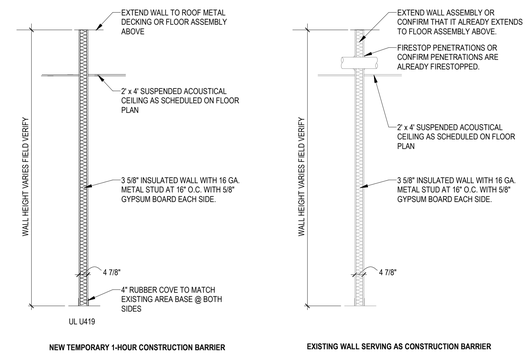


3 **MOBILE CONTAINMENT CART**
NTS



5 **WALL TYPES CLASS IV**
NTS

CLASS IV WORK ITEMS NOTES:

PRIOR TO ANY CONSTRUCTION

1. ISOLATE H.V.A.C. SYSTEM IN AREA WHERE WORK IS BEING DONE TO PREVENT CONTAMINATION OF DUCT SYSTEM.
2. COMPLETE ALL CRITICAL BARRIERS IE. SHEETROCK, PLYWOOD, PLASTIC, TO SEAL AREA FROM NON-WORK AREA OR IMPLEMENT CONTROL CUBE METHOD (CART WITH PLASTIC COVERING AND SEALED CONNECTION TO WORK SITE WITH HEPA VACUUM FOR VACUUMING PRIOR TO EXIT) BEFORE CONSTRUCTION BEGINS.
3. MAINTAIN NEGATIVE AIR PRESSURE WITHIN WORK SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS IF INDICATED.
4. SEAL HOLES, PIPES, CONDUITS, AND PUNCTURES APPROPRIATELY.
5. CONSTRUCT ANTEROOM AND REQUIRE ALL PERSONNEL TO PASS THROUGH THIS ROOM SO THEY CAN BE VACUUMED USING HEPA VACUUM CLEANER BEFORE LEAVING WORK SITE OR THEY CAN WEAR CLOTH OR PAPER COVERALLS THAT ARE REMOVED EACH TIME THEY LEAVE THE WORK SITE.
6. ALL PERSONNEL ENTERING WORK SITE ARE REQUIRED TO WEAR SHOE COVERS. SHOE COVERS MUST BE CHANGED EACH TIME THE WORKER EXITS THE WORK AREA. SITE OR THEY CAN WEAR CLOTH OR PAPER COVERALLS THAT ARE REMOVED EACH TIME THEY LEAVE THE WORK SITE.
7. DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS INSPECTED BY THE OWNER'S SAFETY DEPARTMENT AND INFECTION CONTROL.
8. PLACE A WALK-OFF MAT AND A STICKY MAT AT ENTRANCE AND EXIT WORK AREAS.
9. PROVIDE INSPECTED/DATED FIRE EXTINGUISHER(S) IN THE WORK AREAS.

POST CONSTRUCTION

1. OBTAIN APPROVAL BY MCOT TEAM TO REMOVE BARRIERS.
2. REMOVE BARRIER MATERIALS CAREFULLY TO MINIMIZE SPREADING OF DIRT AND DEBRIS ASSOCIATED WITH CONSTRUCTION.
3. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS.
4. COVER TRANSPORT RECEPTACLES OR CARTS. TAPE COVERING UNLESS SOLID LID.
5. VACUUM WORK AREA WITH HEPA FILTERED VACUUM.
6. WET MOP AREA WITH DISINFECTANT.
7. REMOVE ISOLATION OF H.V.A.C. SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.
8. REMOVE AND DISCARD WALK-OFF MAT AND STICKY MAT AT ENTRY AND WORK AREAS.
9. ROOM AND/OR SHALL BE THOROUGHLY CLEANED BY THE OWNER'S ENVIRONMENTAL SERVICES DEPARTMENT.

GENERAL NOTES:

① ALL PERSONNEL ENTERING THE CONSTRUCTION SITE AREA MUST WEAR A HARD HAT AND SAFETY GLASSES ALONG WITH ANY OTHER PPE REQUIRED IN THAT AREA.

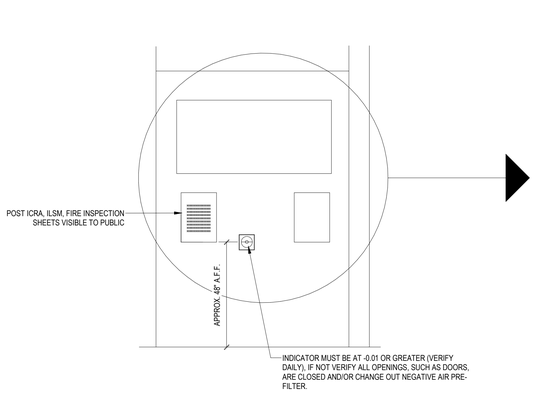
② ALL APPLICABLE FORMS TO BE COMPLETED AND APPROVED PRIOR TO STARTING WORK.

③ PERMITS TO INCLUDE:
ICRA, ILSM, ABOVE CEILING, FIRE SPRINKLER SYSTEM, MEDICAL GASES, UTILITY SHUT-DOWN, FIRE / SMOKE WALL, FIRE ALARM SYSTEM.

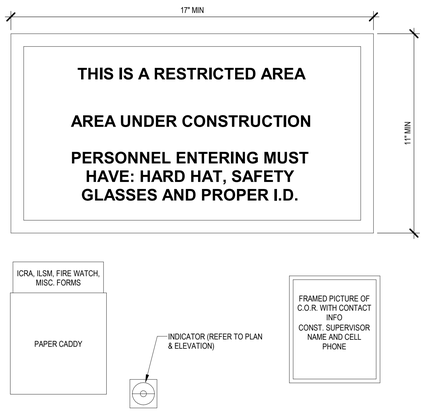
④ THE CONSTRUCTION AREA MUST MAINTAIN A NEGATIVE PRESSURE VENTILATION. NEGATIVE AIR UNIT TO BE MAINTAINED WITH FILTER(S) REPLACEMENT PER SPECIFICATIONS. (WEEKLY REPLACEMENT OF PRE-FILTER OR AS NECESSARY. HEPA FILTER REPLACED MONTHLY. CLEAN ALL EXTERIOR SURFACES OF CARTS AND TOOLS AT THE END OF EACH SHIFT. MONITOR NEGATIVE PRESSURE AND POST LOG AT THE END OF EACH SHIFT.

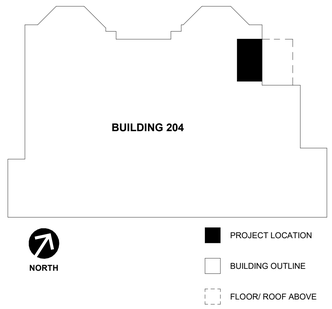
⑤ CONSTRUCTION CLASS WILL BE DETERMINED BY THE CONSTRUCTION SAFETY COMMITTEE.

⑥ DURING CONSTRUCTION BE CERTAIN THAT:
- BARRIER ARE INTACT AND MAINTAINED.
- PARTICLE COUNT METER IS AVAILABLE.
- NEGATIVE INDICATOR IS AVAILABLE
- INSPECTED / DATED FIRE EXTINGUISHER(S) ARE AVAILABLE & MOUNTED PROPERLY.
- ICRA REQUIREMENTS ARE INTACT AND VERIFY ARE BEING MAINTAINED.
- WALK-OFF MATS AND STICKY MATS ARE MAINTAINED PROPERLY.



4 **ANTE ROOM ELEVATION**
NTS





KEY PLAN - FIRST FLOOR

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

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STATE OF OHIO
EILEEN TRIMBACH
12440
REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ICRA CLASS IV REQUIREMENTS	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Building Number
		Issue Date: 12/09/2024 / Checked / Drawn	Drawing Number: GI121

VA FORM 08 - 6231

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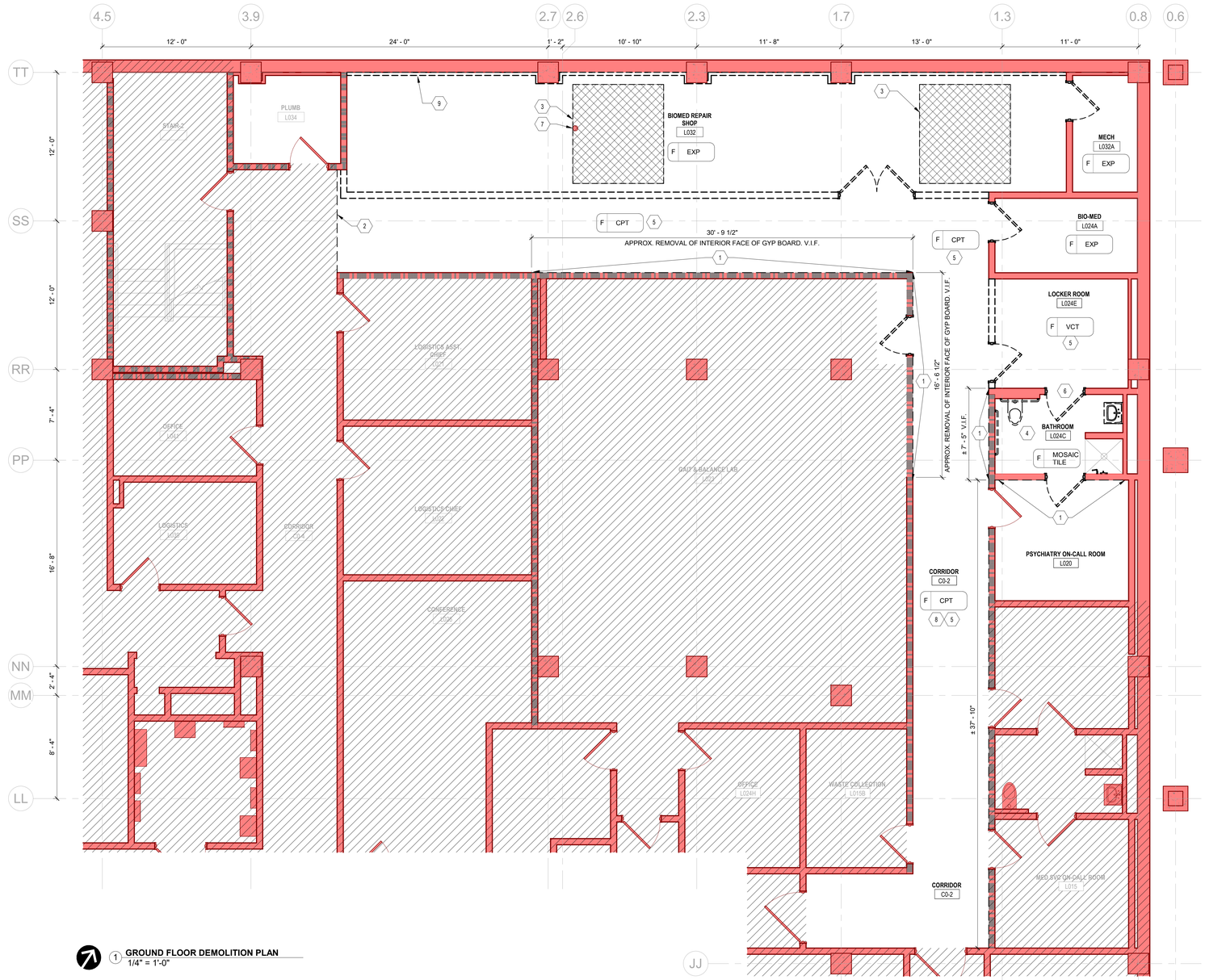


1 GROUND FLOOR DEMOLITION PLAN
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

A. REPRESENTATION OF EXISTING ELEMENTS ON DRAWINGS IS NOT EXHAUSTIVE, AND MUST BE FIELD VERIFIED BY THE CONTRACTOR. COORDINATE QUANTITIES AND AREAS IN FIELD.

B. ALL ITEMS INDICATED AS DASHED SHALL BE REMOVED. THIS INCLUDES ALL FINISHES, MATERIALS, AND ASSOCIATED FIXTURES NOT SPECIFICALLY CALLED OUT. COORDINATE ALL ASSOCIATED WORK BETWEEN ALL TRADES.

C. ALL THE EXISTING ITEMS LISTED BELOW ARE TO BE REMOVED AND TURNED OVER TO THE VA FOR STORAGE THROUGHOUT THE AREA OF WORK UNLESS NOTED OTHERWISE. REMOVAL OF AN ELEMENT INCLUDES ANY ASSOCIATED ELEMENTS RELATED.
- FIRE EXTINGUISHERS
- AUTOMATED EXTERNAL DEFIBRILLATORS
- MONITORS
- WALL MOUNTED FRAMES

D. PROVIDE TEMPORARY SUPPORT FOR ITEMS NOT DEMOLISHED OR REMOVED AS REQUIRED UNTIL PERMANENT SUPPORT IS PROVIDED IN THE FINAL CONSTRUCTION.

E. UTILITIES THAT REMAIN, WITHIN WALLS BEING DEMOLISHED, SHALL BE REROUTED AS REQUIRED TO FACILITATE THE NEW PLAN CONFIGURATION.

F. AT PENETRATIONS, ALL UTILITY SYSTEM & OTHER COMPONENTS THAT ARE SCHEDULED FOR DISCONNECTION SHALL BE REMOVED IN THEIR ENTIRETY. DO NOT CAP AND ABANDON IN PLACE UNLESS SPECIFICALLY NOTED OTHERWISE. ANY FIRE RESISTIVE MEMBER OR THROUGH-PENETRATIONS RESULTING FROM SUCH DEMOLITION WORK SHALL BE FIRESTOPPED OR SEALED IN ACCORDANCE WITH NFPA FOR THE NECESSARY RATING PROTECTIONS.

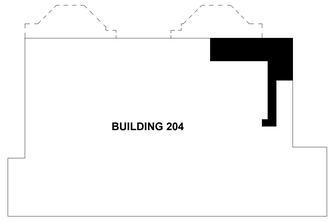
G. MECHANICAL, ELECTRICAL, AND PLUMBING (MEP) COMPONENTS ARE SHOWN FOR COORDINATION PURPOSES ONLY, REFER TO MEP DRAWINGS FOR FULL SCOPE OF MEP DEMOLITION WORK.

DRAWING NOTES

1. DEMOLISH GYPSUM ON NOTED SIDE OF WALL AND PREPARE FOR INSTALLATION OF FIBERGLASS BALLISTIC PANEL - REFER TO NEW WORK.
2. EXTENT OF FLOOR FINISH DEMOLITION
3. SALVAGE METAL FLOOR COVER PLATES. REMOVE STEEL ANGLES AND ANY OTHER ASSOCIATED STRUCTURE.
4. REMOVE FLOOR TILE AND FLOOR TO CEILING WALL TILE
5. REMOVE EXISTING FLOORING AND ASSOCIATED ADHESIVES, UNDERLAYMENT DOWN TO STRUCTURAL SLAB. PREPARE SURFACE TO RECEIVE NEW FLOORING SYSTEM.
6. DOOR FRAME EXISTING TO REMAIN. MODIFY DOOR PANEL AND FRAME AS NECESSARY TO INSTALL REQUIRED HARDWARE
7. MAINTAIN SANITARY CLEANOUT DURING DEMOLITION. REFER TO PLUMBING DRAWINGS FOR DETAILS.
8. REMOVE BASE.PREPARE WALL TO RECEIVE NEW BASE AND PAINT.
9. EXISTING WALL TO BE REMOVED.

DEMOLITION LEGEND

- EXISTING CONSTRUCTION
- EXISTING SMOKE ZONE BARRIER
- EXISTING 1-HOUR FIRE BARRIER
- EXISTING 2-HOUR FIRE BARRIER
- DEMOLISH EXISTING CONSTRUCTION
- F VCT — EXISTING FLOOR TYPE TO BE DEMOLISHED
- OFFICE 100 — EXISTING ROOM TAG
- REMOVE DOOR FRAME, PANEL, AND HARDWARE IN ITS ENTIRETY UNLESS OTHERWISE NOTED
- EXISTING TO REMAIN (DOORS, WALLS, COLUMNS, ETC)
- NOT IN SCOPE
- FLOOR COVER PLATE (METAL)



NORTH

- PROJECT LOCATION
- BUILDING OUTLINE
- FLOOR/ ROOF ABOVE

KEY PLAN - GROUND FLOOR

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

CONSULTANT

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STATE OF OHIO — EILEEN TRIMBACH 12440 — REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR DEMOLITION PLAN	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Drawing Number: AD101
		Issue Date: 12/09/2024 — Checked: ET — Drawn: CD	

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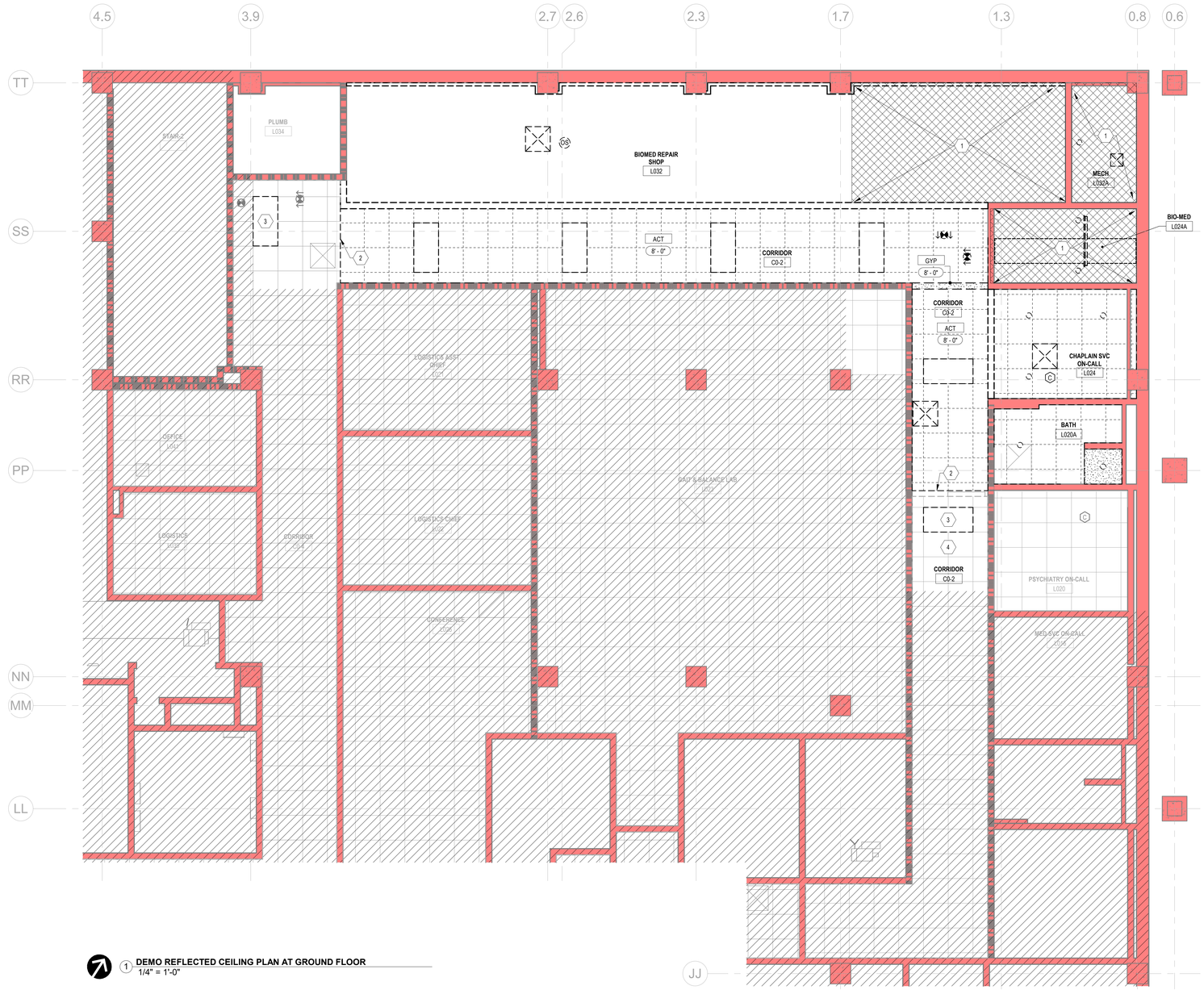


1 DEMO REFLECTED CEILING PLAN AT GROUND FLOOR
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

A. REPRESENTATION OF EXISTING ELEMENTS ON DRAWINGS IS NOT EXHAUSTIVE, AND MUST BE FIELD VERIFIED BY THE CONTRACTOR. COORDINATE QUANTITIES AND AREAS IN FIELD.

B. ALL ITEMS INDICATED AS DASHED SHALL BE REMOVED. THIS INCLUDES ALL FINISHES, MATERIALS, AND ASSOCIATED FIXTURES NOT SPECIFICALLY CALLED OUT. COORDINATE ALL ASSOCIATED WORK BETWEEN ALL TRADES.

C. ALL THE EXISTING ITEMS LISTED BELOW ARE TO BE REMOVED AND TURNED OVER TO THE VA FOR STORAGE THROUGHOUT THE AREA OF WORK UNLESS NOTED OTHERWISE. REMOVAL OF AN ELEMENT INCLUDES ANY ASSOCIATED ELEMENTS RELATED.
- FIRE EXTINGUISHERS
- AUTOMATED EXTERNAL DEFIBRILLATORS
- MONITORS
- WALL MOUNTED FRAMES

D. PROVIDE TEMPORARY SUPPORT FOR ITEMS NOT DEMOLISHED OR REMOVED AS REQUIRED UNTIL PERMANENT SUPPORT IS PROVIDED IN THE FINAL CONSTRUCTION.

E. UTILITIES THAT REMAIN, WITHIN WALLS BEING DEMOLISHED, SHALL BE REROUTED AS REQUIRED TO FACILITATE THE NEW PLAN CONFIGURATION.

F. AT PENETRATIONS, ALL UTILITY SYSTEM & OTHER COMPONENTS THAT ARE SCHEDULED FOR DISCONNECTION SHALL BE REMOVED IN THEIR ENTIRETY. DO NOT CAP AND ABANDON IN PLACE UNLESS SPECIFICALLY NOTED OTHERWISE. ANY FIRE RESISTIVE MEMBER OR THROUGH-PENETRATIONS RESULTING FROM SUCH DEMOLITION WORK SHALL BE FIRESTOPPED OR SEALED IN ACCORDANCE WITH NFPA FOR THE NECESSARY RATING PROTECTIONS.

G. MECHANICAL, ELECTRICAL, AND PLUMBING (MEP) COMPONENTS ARE SHOWN FOR COORDINATION PURPOSES ONLY, REFER TO MEP DRAWINGS FOR FULL SCOPE OF MEP DEMOLITION WORK.

DRAWING NOTES

1 EXISTING MINERAL WOOL INSULATION TO REMAIN. ROUGH EXTENTS SHOWN BY HATCH. VERIFY IN FIELD.

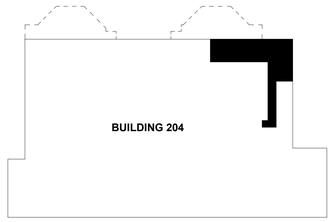
2 MODIFY ACOUSTIC CEILING AS NECESSARY FOR NEW WALL

3 REMOVE LIGHT FIXTURE IN EXISTING TO REMAIN CEILING. MODIFY SURROUNDING ACOUSTIC GRID IN COORDINATION WITH WALL ADJACENT WALL CONSTRUCTION. REFER TO LIGHTING DEMO PLANS FOR EXTENT OF WORK.

4 REMOVE ACOUSTIC CEILING MAIN GRID BEAMS BACK TO NEXT SPLICE. REMOVE EFFECTED TILES AND SALVAGE FOR RE-INSTALLATION.

DEMOLITION LEGEND

- EXISTING CONSTRUCTION
- EXISTING SMOKE ZONE BARRIER
- EXISTING 1-HOUR FIRE BARRIER
- EXISTING 2-HOUR FIRE BARRIER
- DEMOLISH EXISTING CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- OFFICE 100 — EXISTING ROOM TAG
- EXISTING ACOUSTIC CEILING TILE TO REMAIN
- REMOVE ACOUSTIC CEILING TILE
- NOT IN SCOPE



NORTH

- PROJECT LOCATION
- BUILDING OUTLINE
- FLOOR/ ROOF ABOVE

KEY PLAN - GROUND FLOOR

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

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STATE OF OHIO — EILEEN TRIMBACH 12440 — REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	GROUND FLOOR DEMOLITION REFLECTED CEILING PLAN
Approved: Owner	
Phase	CONSTRUCTION DOCUMENTS 100%
	FULLY SPRINKLERED
Project Title	RELOCATE POLICE DISPATCH
Project Number	621-23-104
Building Number	204
Location	MT. HOME, TENNESSEE
Issue Date	12/09/2024
Checked	ET
Drawn	CD
Drawing Number	AD141

VA FORM 08 - 6231

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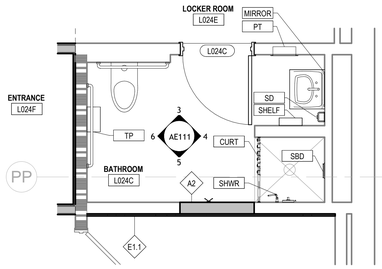
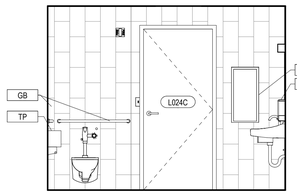
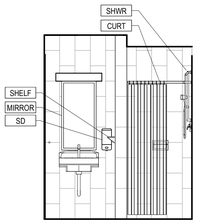


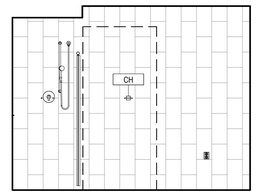
2 RESTROOM ENLARGED PLAN
3/8" = 1'-0"



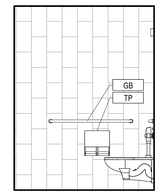
3 RESTROOM ELEVATION - NORTH
3/8" = 1'-0"



4 RESTROOM ELEVATION - EAST
3/8" = 1'-0"



5 RESTROOM ELEVATION - SOUTH
3/8" = 1'-0"



6 RESTROOM ELEVATION - WEST
3/8" = 1'-0"

TOILET ACCESSORY SCHEDULE (L024C)

DRAWING MARK	JSN / SOLE	NAME (MODEL)	COUNT	AQ. CODE
CH	A5145	STAINLES STEEL ROBE HOOK	1	VC
CURT	A5170	SHOWER CURTAIN AND ROD	1	VC
GB	A5109	GRAB BAR, 1-1/4" DIA., SS, W/C ACCESSIBLE (1'-6", 2'-0" & 3'-0")	1	CC
MIRROR	A1066	FLOAT GLASS MIRROR WITH STAINLESS STEEL FRAME 3'-0" x 1'-6"	1	CC
PT	A5083	RECESSED PAPER TOWEL DISPENSER AND TRASH CAN	1	CC
SBD	A5175	RECESSED SOAP BAR HOLDER	1	CC
SD	A5075	SURFACE MOUNTED SOAP DISPENSER	1	VC
SHELF	A5160	STAINLESS STEEL WALL SHELF	1	VC
TP	A5200	TOILET PAPER DISPENSER	1	VC

GENERAL FLOOR PLAN NOTES

A. REFER TO GI000 FOR GENERAL NOTES.

B. PARTITIONS SHALL BE TYPE A1, UNLESS OTHERWISE NOTED.

C. COLUMN FURRING SHALL BE TYPE B1, UNLESS OTHERWISE NOTED

D. REFER TO DEMOLITION DRAWINGS FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.

E. ALL DOOR OPENINGS SHALL BE CONSTRUCTED 4" CLEAR FROM A PERPENDICULAR PARTITION OUTSIDE FACE OF FRAME, UNLESS NOTED OTHERWISE.

F. PARTITION TYPES INDICATED ARE CONTINUOUS TO A CORNER OR AN INTERSECTING PARTITION, UNLESS INDICATED OTHERWISE. WHERE PARTITIONS OF DIFFERENT THICKNESSES MEET, CONFIRM ALIGNMENT WITH PLANS.

G. ALL WALL HUNG CASEWORK, GRAB BARS AND EQUIPMENT ATTACHED TO WALLS SHALL BE ANCHORED TO FIRE RETARDANT TREATED WOOD BLOCKING ANCHORED BETWEEN STUDS UNLESS OTHERWISE NOTED. BLOCKING SHALL BE CONTINUOUS AND LOCATED AT BOTTOM AND TOP OF EQUIPMENT.

H. NEW CONSTRUCTION TO ALIGN WITH ADJACENT EXISTING CONSTRUCTION WHERE APPLICABLE. PREPARE ALIGNED SURFACES TO RECEIVE NEW FINISHES.

I. STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING (SME& P) SYMBOLS ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO SME& P FOR FULL SCOPE OF SME& P WORK.

J. PATCH AND REPAIR ALL EXISTING CONSTRUCTION TO REMAIN IMPACTED BY DEMOLITION. REPLACE AFFECTED CEILINGS, GRIDS, FLOORING, DAMAGED GYPSUM BOARD OR SUBSTRATE AS REQUIRED. RESTORE WALL SURFACES FLUSH AND PLUMB AND PREPARE FOR SPECIFIED NEW FINISHES. MATCH ADJACENT CONSTRUCTION IN MATERIAL, THICKNESS AND FIRE RESISTANCE WHERE APPLICABLE.

GENERAL FINISH NOTES

A. REFER TO GI000 FOR GENERAL NOTES.

B. ALL WALLS SHALL BE PAINTED P1 AND ALL CEILINGS SHALL BE PAINTED P4 UNLESS OTHERWISE NOTED. REFER TO FINISH PLAN/RCP FOR ACCENT WALLS/CEILINGS.

C. PROVIDE METAL BACKING AND / OR METAL BLOCKING IN WALLS AS REQUIRED AT ALL WALL-MOUNTED ITEMS. VERIFY HEIGHT AND LENGTH WITH ACTUAL EQUIPMENT. SEE METAL BACKING AND BLOCKING DETAILS.

D. ALL DOOR FRAMES SHALL BE PAINTED P3 UNLESS OTHERWISE NOTED.

E. PREPARE SUBSTRATE FOR SMOOTH, CONSISTENT, ABA COMPLIANT FLOOR FINISH TRANSITIONS.

F. REFER TO SIGNAGE AND WALL PROTECTION DETAILS ON AE501.

DRAWING NOTES

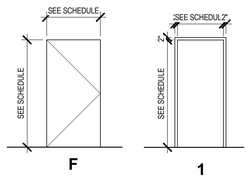
1. PROVIDE NEW GYPSUM WALLBOARD AS REQUIRED TO MATCH EXISTING WALL PLANE. PATCH, TAPE, AND FINISH JOINTS AND TRANSITIONS TO PRODUCE A SMOOTH, CONTINUOUS SURFACE FLUSH WITH ADJACENT EXISTING CONSTRUCTION AND READY FOR FINAL FINISH.
2. PATCH AND REPAIR EXISTING WALLS AFTER DEMOLITION, TYP.
3. FULLY RECESSED FIRE EXTINGUISHER. PROVIDE FIRE RESISTANT BLOCKING AND ADDITIONAL FRAMING AS REQUIRED FOR INSTALLATION. REFER TO FIRE EXTINGUISHER CABINET DETAIL ON SHEET AE501.
4. CORRIDOR WALL FINISHES TO MATCH EXISTING. REFER TO ROOM FINISH SCHEDULE.
5. PROVIDE CONCRETE INFILL AS NECESSARY TO COMPLETELY FILL ABANDONED AREAS AND PROVIDE A FINISHED SURFACE FLUSH WITH ADJACENT EXISTING CONSTRUCTION. INCLUDE ALL DEMOLITION, PREPARATION, FORMWORK, REINFORCING AND CONCRETE REQUIRED FOR A COMPLETE INSTALLATION. VERIFY EXISTING CONDITIONS IN FIELD.
6. MAINTAIN SANITARY CLEANOUT DURING DEMOLITION. REFER TO PLUMBING DRAWINGS FOR DETAILS.
7. LVT FLOORING DIRECTION TRANSITION
8. NEW EXTERIOR WALL PENETRATION ABOVE INTERIOR ACT, INTO CRAWLSPACE UNDER PORCH, FOR NEW DUCT RUN. COORDINATE PENETRATION SIZE AND LOCATION WITH DUCT SHOP DRAWINGS.
9. SEMI RECESSED FIRE EXTINGUISHER. PROVIDE FIRE RESISTANT BLOCKING AND ADDITIONAL FRAMING AS REQUIRED FOR INSTALLATION. REFER TO FIRE EXTINGUISHER CABINET DETAIL ON SHEET AE501.
10. PREPARE SLAB SURFACE TO RECEIVE NEW FINISH. PATCH AND LEVEL SURFACES AS REQUIRED TO MEET MANUFACTURER'S TOLERANCES. VERIFY SLAB MOISTURE AND FLATNESS COMPLIANCE PRIOR TO INSTALLATION. COORDINATE PREPARATION REQUIREMENTS WITH NEW FLOORING MANUFACTURER'S INSTRUCTIONS AND PROVIDE SUBSTRATE SUITABLE FOR INSTALLATION WARRANTY.

ROOM FINISH SCHEDULE

ROOM NUMBER	NAME	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	BASE FINISH	FLOOR FINISH	CEILING FINISH
B204 - GROUND LEVEL								
CO-2	CORRIDOR	P1	P1	P1	P1	RB1	LVT 1	ETR
L020	PSYCHIATRY ON-CALL ROOM	P1	P1	P1	P1	ETR/RB1	ETR	ETR
L024	POLICE DISPATCH	P2	P1 / WP1	P1	--	RB1	LVT 1	ACT
L024A	DATA CLOSET	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	RB1	SD	OPEN
L024C	BATHROOM	T1	T1	T1	T1	T1	T2	GYP
L024D	BREAKROOM	P2 / WP1	--	P1	P1 / WP1	RB1	LVT 1	ACT
L024E	LOCKER ROOM	P1	P2 / WP1	P1 / WP1	P1	RB1	LVT 1	ACT
L024F	ENTRANCE	P1 / WP1	P1 / WP1	P1 / WP1	P1	RB1	LVT 1	ACT
L024G	CORRIDOR	P1	P1	P1 / WP1	P1 / WP1	RB1	LVT 1	ACT
L032	BIO-MED REPAIR	P1	P1	P1	P1	RB1	CONC	OPEN
L032A	MECHANICAL	ETR	ETR	ETR	ETR	RB1	CONC / ETR	OPEN
B204 - FIRST FLOOR								
L100K	POLICE DISPATCH	ETR	ETR	ETR	ETR	ETR	ETR	ETR
L139B	CLOSET	VIF	VIF	VIF	VIF	VIF	VIF	VIF
B204 - SECOND FLOOR								
L212B	CLOSET	VIF	VIF	VIF	VIF	VIF	VIF	VIF

FINISH LEGEND - BASIS OF DESIGN

MARK	DESCRIPTION	MANUFACTURER	STYLE / COLOR
LVT1	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: TERRAIN II 30 MIL COLOR: ECHO
T1	TILE - WALL	FLORIDA TILE	SEQUENCE - 12x24 - 34905 VORTEX
T2	TILE - FLOOR	FLORIDA TILE	SEQUENCE - 12x24 - DRIFT
TT	TILE TRIM & METAL TRANSITIONS	SCHLUTER	TILE TRANSITION : RENO -V, TILE TRIM : RONDEC
TG	WALL AND FLOOR TILE GROUT	TEC	908 DOVE GRAY
RB1	RESILIENT BASE	JOHNSONITE	TRADITIONAL-6"-29 MOON ROCK WG
P1	PAINT - FIELD	PPG	PPG1023-1 OATMEAL
P2	PAINT - ACCENT	PPG	PPG1041-6 SHEFFIELD GRAY
P3	DOOR FRAME PAINT	PPG	PPG1023-5 STONE GRAY
P4	CEILING PAINT	PPG	CONFIRM WITH VA INTERIOR DESIGN
WP1	SHEET WALL PROTECTION	INPRO	48" H - PEPPERDUST 0119
CG1	CORNER GUARD	INPRO	14 GAUGE - SAS-1828
SS1	COUNTERTOPS	CORIAN	ARTISTA CANVAS
DOOR	DOOR PANELS	GRAINTECH METAL DOOR	NEW: CUSTOM TO MATCH WILSONART MANGALORE MANGO
CASE	CASEWORK LAMINATE	WILSONART	MANGALORE MANGO
ACT	ACOUSTIC CEILING TILE	ARMSTRONG CALLA HIGH CAC 8805	WHITE



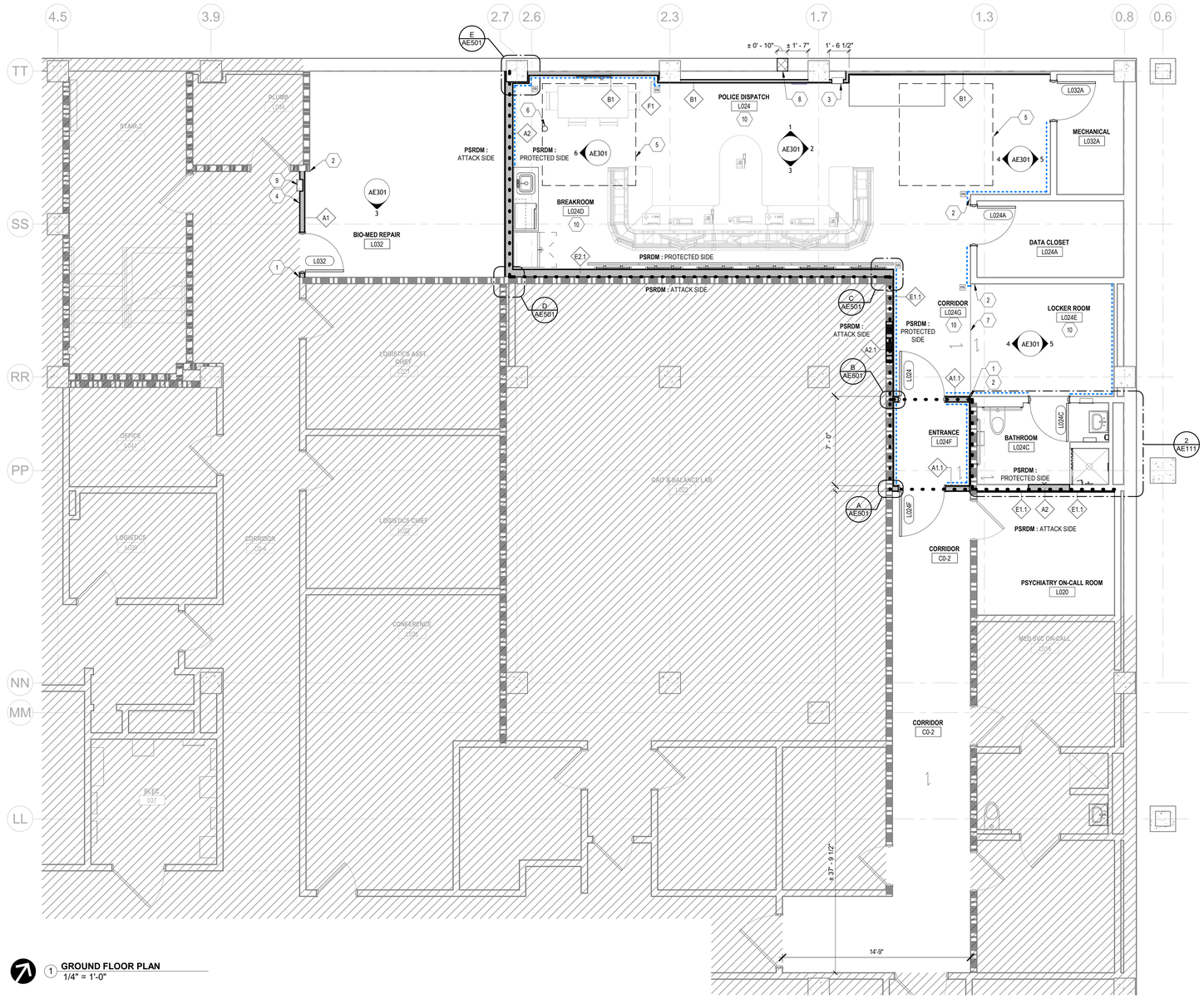
DOOR AND FRAME ELEVATIONS
1/4" = 1'-0"

DOOR SCHEDULE

DOOR #	PANEL #	PANEL TYPE	PANEL MATERIAL	DIMENSION W	DIMENSION H	DIMENSION T	FRAME TYPE	FRAME MATERIAL	HARDWARE SET	FIRE RATING	NOTES
L024	1	F	HM	3' - 6"	7' - 0"	1 3/4"	TYPE 1	HM	2.0	--	1,3
L024A	1	F	HM	3' - 0"	7' - 0"	1 3/4"	TYPE 1	HM	4.0		
L024C	1	F	HM	3' - 0"	7' - 0"	1 3/4"	TYPE 1	ETR	5.0	--	2
L024F	1	F	HM	3' - 6"	7' - 0"	1 3/4"	TYPE 1	HM	1.0	--	1,3
L032	1	F	HM	3' - 0"	7' - 0"	1 3/4"	TYPE 1	HM	6.0	--	1
L032A	1	F	HM	3' - 0"	7' - 0"	1 3/4"	TYPE 1	HM	3.0		

GENERAL NOTES:
A. DIMENSIONS UNDER PANEL HEADER ARE FOR EACH INDIVIDUAL LEAF OF THE DOOR.
B. ALL HOLLOW METAL DOOR FRAMES (EXISTING AND NEW) SHALL RECEIVE PAINT TYPE P3 SEMI-GLOSS FINISH.
C. ALL DOORS TO RECEIVE 12" HIGH KICKPLATE.
D. PROVIDE CONTINUOUS HINGE AT RESTROOM DOORS.

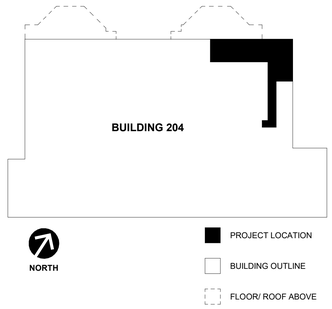
DOOR NOTES:
1. SEE ELECTRICAL AND TELECOMMUNICATIONS DRAWINGS FOR AUTO-OPERATOR / ACCESS CONTROL.
2. EXISTING FRAME TO REMAIN. CONTRACTOR SHALL VERIFY SIZE.
3. DOOR AND FRAME SHALL BE FORCED ENTRY RATED FOR 15 MIN AND BALLISTIC RATED TO UL 752 LEVEL 3.



1 GROUND FLOOR PLAN
1/4" = 1'-0"

NEW WORK LEGEND

- EXISTING CONSTRUCTION
- EXISTING SMOKE ZONE BARRIER
- EXISTING 1-HOUR FIRE BARRIER
- EXISTING 2-HOUR FIRE BARRIER
- PROPOSED PARTITION
- PROPOSED SMOKE ZONE BARRIER
- PROPOSED 1-HOUR FIRE BARRIER
- CG — CORNER GUARD
- OFFICE 100 — ROOM TAG
- DOOR AND FRAME
- NOT IN SCOPE
- WALLS TO RECIEVE BALLISTIC PANELS
- WALL PROTECTION
- DEDUCT ALTERNATE
- FLOORING DIRECTION



KEY PLAN - GROUND FLOOR

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

CONSULTANT

ARCHITECT/ENGINEER OF RECORD
FFE | HEAPY

STAMP
STATE OF OHIO — EILEEN TRIMBACH 12440 — REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	ENLARGED GROUND FLOOR PLAN, ELEVATIONS, AND DETAILS
Approved: Owner	
Phase	CONSTRUCTION DOCUMENTS 100%
	FULLY SPRINKLERED
Project Title	RELOCATE POLICE DISPATCH
Location	MT. HOME, TENNESSEE
Issue Date	12/09/2024
Checked	ET
Drawn	CD
Project Number	621-23-104
Building Number	204
Drawing Number	AE111

VA FORM 08 - 6231

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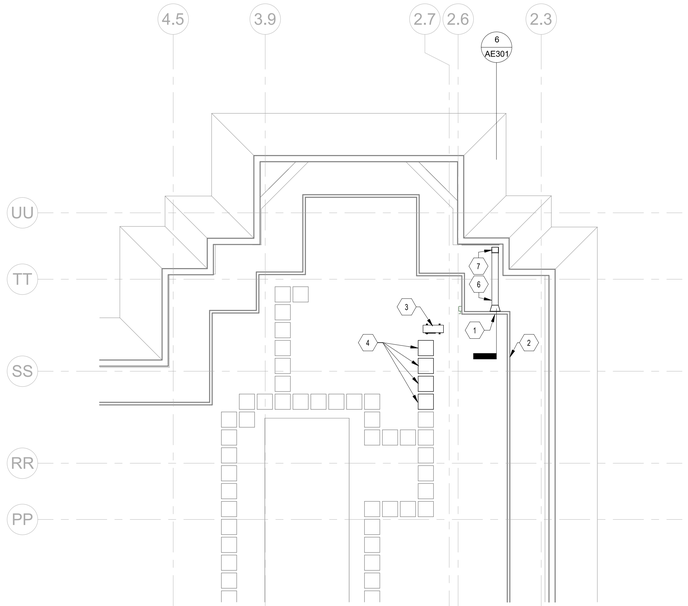
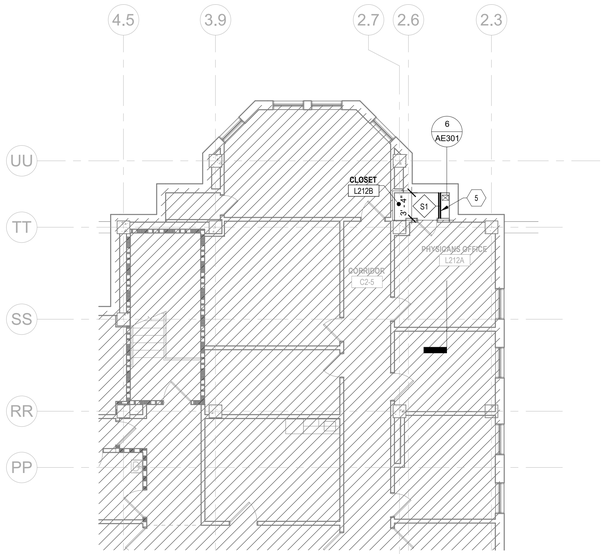
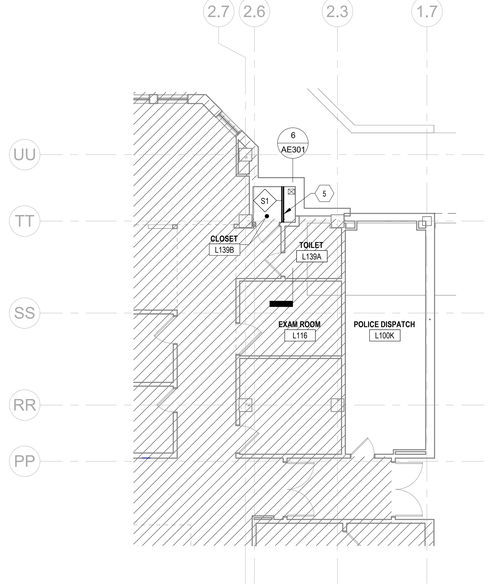


③ **ROOF PLAN**
1/8" = 1'-0"



② **SECOND FLOOR ROOF PLAN**
1/8" = 1'-0"



① **FIRST FLOOR PLAN**
1/8" = 1'-0"

GENERAL FLOOR PLAN NOTES

A. REFER TO GI000 FOR GENERAL NOTES.

B. PARTITIONS SHALL BE TYPE A1, UNLESS OTHERWISE NOTED.

C. COLUMN FURRING SHALL BE TYPE B1, UNLESS OTHERWISE NOTED

D. REFER TO DEMOLITION DRAWINGS FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.

E. ALL DOOR OPENINGS SHALL BE CONSTRUCTED 4" CLEAR FROM A PERPENDICULAR PARTITION OUTSIDE FACE OF FRAME, UNLESS NOTED OTHERWISE.

F. PARTITION TYPES INDICATED ARE CONTINUOUS TO A CORNER OR AN INTERSECTING PARTITION, UNLESS INDICATED OTHERWISE. WHERE PARTITIONS OF DIFFERENT THICKNESSES MEET, CONFIRM ALIGNMENT WITH PLANS.

G. ALL WALL HUNG CASEWORK, GRAB BARS AND EQUIPMENT ATTACHED TO WALLS SHALL BE ANCHORED TO FIRE RETARDANT TREATED WOOD BLOCKING ANCHORED BETWEEN STUDS UNLESS OTHERWISE NOTED. BLOCKING SHALL BE CONTINUOUS AND LOCATED AT BOTTOM AND TOP OF EQUIPMENT.

H. NEW CONSTRUCTION TO ALIGN WITH ADJACENT EXISTING CONSTRUCTION WHERE APPLICABLE. PREPARE ALIGNED SURFACES TO RECEIVE NEW FINISHES.

I. STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING (SME& P) SYMBOLS ARE SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO SME& P FOR FULL SCOPE OF SME& P WORK.

J. PATCH AND REPAIR ALL EXISTING CONSTRUCTION TO REMAIN IMPACTED BY DEMOLITION. REPLACE AFFECTED CEILINGS, GRIDS, FLOORING, DAMAGED GYPSUM BOARD OR SUBSTRATE AS REQUIRED. RESTORE WALL SURFACES FLUSH AND PLUMB AND PREPARE FOR SPECIFIED NEW FINISHES. MATCH ADJACENT CONSTRUCTION IN MATERIAL, THICKNESS AND FIRE RESISTANCE WHERE APPLICABLE.

GENERAL ROOF PLAN NOTES

A. REFER TO G1000 FOR GENERAL NOTES

B. EXISTING CONDITIONS NOTED IN PLANS AND DETAILS ARE BASED ON THE DOCUMENTS PROVIDED BY THE OWNER. FIELD VERIFY ACTUAL CONDITIONS PRIOR TO CARRYING OUT THE WORK.

C. THE ROOFING SYSTEM SHALL BE COMPLETELY WATERTIGHT AT THE END OF EACH DAY'S CONSTRUCTION ACTIVITY. IF TEMPORARY ROOFING STRATEGIES ARE USED, MATERIALS INSTALLED SHALL SERVE THE SAME FUNCTION AS EXISTING.

D. MATERIALS SHALL BE COMPATIBLE WITH EXISTING ROOF SYSTEM.

E. SEE ELECTRICAL DRAWINGS FOR LIGHTNING PROTECTION SCOPE.

F. PROTECT EXISTING ROOF SYSTEM, WALK PADS, CABLES, EQUIPMENT, CONDUIT SYSTEMS, AND PENETRATIONS THAT ARE EXISTING TO REMAIN, REPAIR AND REPLACE IF DAMAGED BY CONSTRUCTION EFFORTS.

G. PROTECT ROOF DRAINS FROM DAMAGE AND CONSTRUCTION DEBRIS FOR FULL DURATION OF THE WORK.

H. PATCH EXISTING MEMBRANE ROOF SYSTEM, INSULATION, AND COVERBOARD WHERE NEW OPENINGS ARE CUT TO ACCOMMODATE NEW WORK. SLOPE ALL SURFACES FOR POSITIVE DRAINAGE. SEE STRUCTURAL DETAIL 10/SF501 FOR NEW OPENINGS.

I. PROVIDE TAPERED INSULATION CRICKETS OR SADDLES AT NEW MECHANICAL CURBS, AND AS NEEDED TO MAINTAIN POSITIVE DRAINAGE.

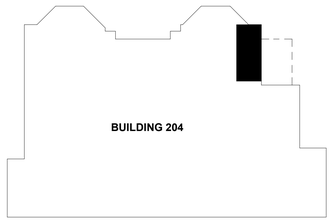
J. INSTALL FLASHING AT NEW ROOF PENETRATIONS, CHANGES IN MATERIAL, AND SEAL ALL EXPOSED EDGES AS REQUIRED TO PROVIDE DURABLE, WEATHERTIGHT CONSTRUCTION. SUBMIT FLASHING DETAILS FOR APPROVAL PRIOR TO INSTALLATION.

K. PREPARE AND COAT DISSIMILAR METALS TO RESIST GALVANIC ACTION.

L. IN THE EVENT THAT EXISTING DETERIORATION IS UNCOVERED AS A RESULT OF CONSTRUCTION EFFORTS, CONTRACTOR SHALL DOCUMENT THE CONDITION AND IMMEDIATELY NOTIFY THE OWNER AND ARCHITECT.

DRAWING NOTES

1. MECHANICAL LOUVER. SEE MECHANICAL DRAWINGS FOR SIZE.
2. EXTERIOR WALL OF ENCLOSED MEP INTERSTITIAL SPACE
3. ROOFTOP MECHANICAL EQUIPMENT - REFER TO MECHANICAL DRAWINGS.
4. ROOF WALKWAY PADS
5. HOLD NEW CHASE WALL FRAMING TIGHT TO DUCT INSULATION. NOTIFY COR IF CHASE WALL LOCATION CONFLICTS WITH DOOR FRAME DURING CONSTRUCTION.
6. MECHANICAL DUCTWORK - REFER TO MECHANICAL DRAWINGS
7. NEW FLOOR PENETRATION TO ACCOMMODATE NEW DUCT. COORDINATE SIZE WITH DUCT SHOP DRAWINGS.



NORTH

PROJECT LOCATION
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

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STATE OF OHIO
EILEEN TRIMBACH
12440
REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED UPPER FLOOR PLANS	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Drawing Number: AE112
		Issue Date: 12/09/2024 · Checked: ET · Drawn: CD	

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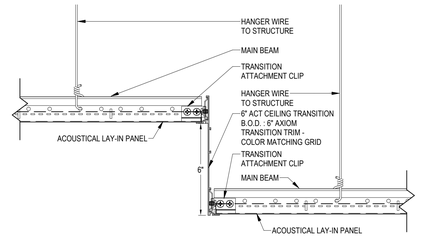
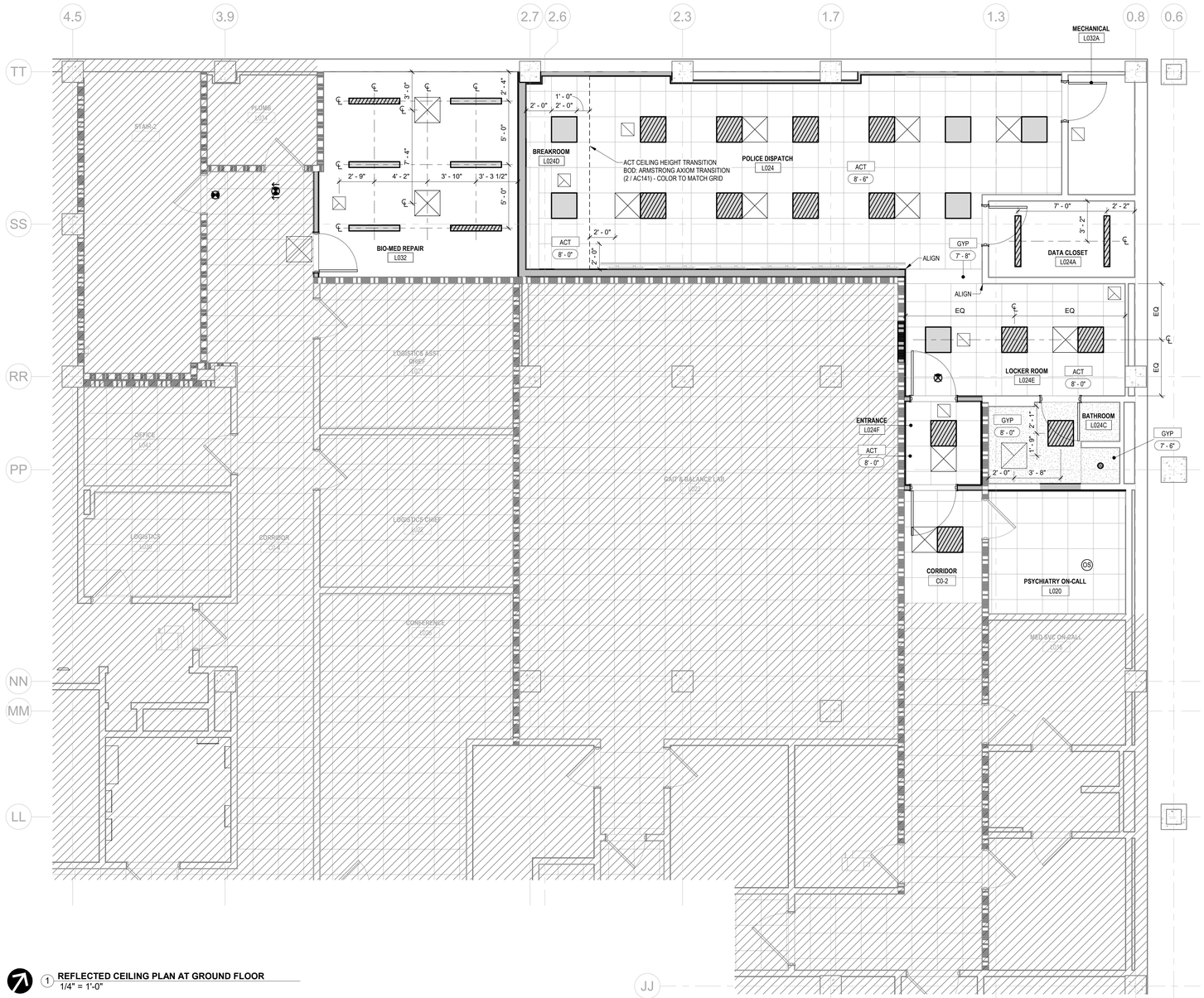


2 **ACT CEILING TRANSITION TYP**
3" = 1'-0"



1 **REFLECTED CEILING PLAN AT GROUND FLOOR**
1/4" = 1'-0"

GENERAL REFLECTED CEILING PLAN NOTES

A. REFER TO GI000 FOR GENERAL NOTES.

B. REFER TO CEILING PLAN AND FINISH LEGEND FOR CEILING FINISH INFORMATION.

C. REFER TO LEGEND ON GI001 FOR ADDITIONAL CEILING SYMBOLS.

D. REFER TO SHEET AF720 FOR ACT EXPANSION JOINT DEAIL.

E. ALL CEILINGS TO BE 9'-0" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.

F. PROVIDE COLD FORMED STEEL FRAMED BULKHEADS WITH GYPSUM BOARD SHEATHING AT CEILING HEIGHT TRANSITIONS. PAINT AS SPECIFIED IN ROOM FINISH SCHEDULE. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIAL UNLESS SPECIFICALLY DETAILED.

G. REFER TO MECHANICAL DRAWINGS FOR QUANTITY AND TYPE OF DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR A TIGHT FIT.

H. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY AND TYPES OF LIGHTS, SPEAKERS, DETECTORS, POWER OUTLETS, ETC. SCRIBE CEILING MATERIALS CAREFULLY FOR A TIGHT FIT.

I. VERIFY CEILING HEIGHTS WITH STRUCTURE AND DUCTWORK.

J. REFER TO FINISH LEGEND FOR CEILING TYPES.

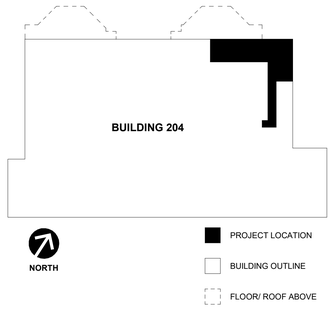
K. ALL LAY-IN CEILING GRID SHALL BE EQUAL FROM OPPOSING EDGES OF ROOM UNLESS OTHERWISE NOTED. AVOID CUT SIZES SMALLER THAN 3"

L. CENTER SPRINKLER HEADS WITHIN CEILING TILES. COORDINATE WITH OTHER CEILING MOUNTED ACCESSORIES.

M. ALL VERTICAL FACES OF SOFFITS OR BULKHEADS SHALL BE FINISHED TO MATCH ADJACENT SURFACES.

CEILING LEGEND

- 2'-0" x 2'-0" ACOUSTICAL TILE CEILING **BOD:** ARMSTRONG ULTIMA. SEE SPECS
- EXISTING 2'-0" x 2'-0" ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING
- 2'-0" x 2'-0" SUPPLY AIR DIFFUSER
- 1'-0" x 1'-0" EXHAUST AIR GRILLE
- 1'-0" x 1'-0" RETURN AIR GRILLE
- REFER TO GI001 FOR ADDITIONAL SYMBOLS
- 2'-0" x 2'-0" LED LIGHT FIXTURE
- 2'-0" x 2'-0" LED LIGHT FIXTURE EMERGENCY POWER
- 4'-0" LINEAR LED LIGHT FIXTURE
- EXISTING 6" CAN LIGHT
- NEW 6" CAN LIGHT
- NEW WALL MOUNTED LIGHT
- EXIT SIGN
- OS — EXISTING CEILING OCCUPANCY SENSOR
- NOT IN SCOPE



KEY PLAN - GROUND FLOOR

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: GROUND FLOOR REFLECTED CEILING PLAN	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH		Project Number: 621-23-104
				Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE		Drawing Number: AE141
		Issue Date: 12/09/2024	Checked: ET	Drawn: CD

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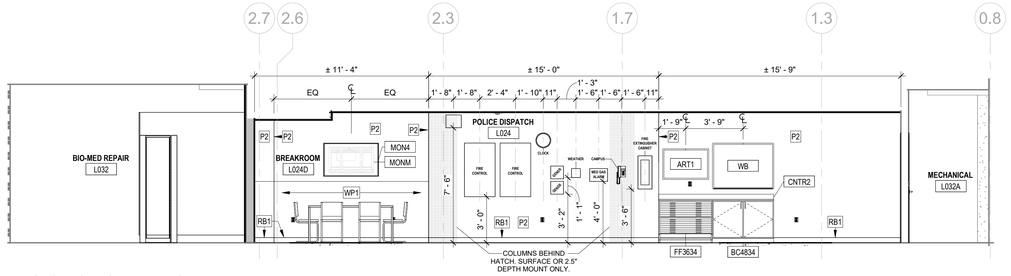
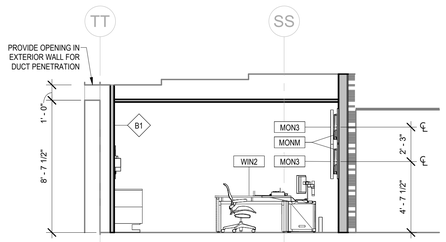
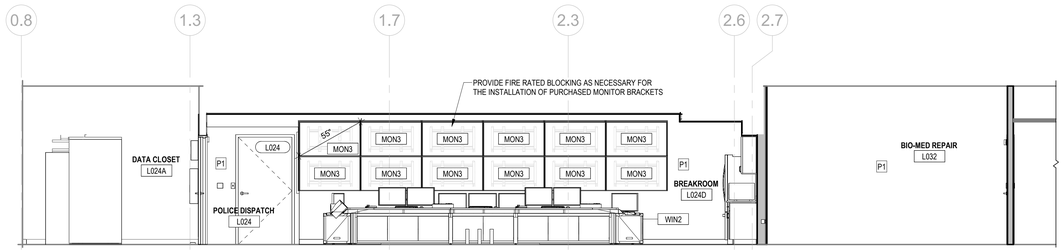


1 **POLICE DISPATCH - ELEVATION**
1/4" = 1'-0"

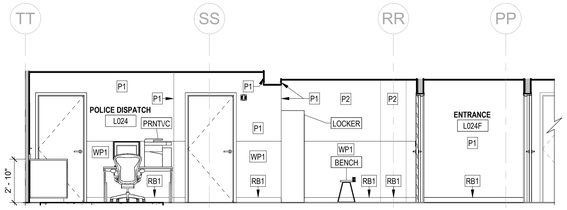


2 **POLICE DISPATCH - ELEVATION**
1/4" = 1'-0"

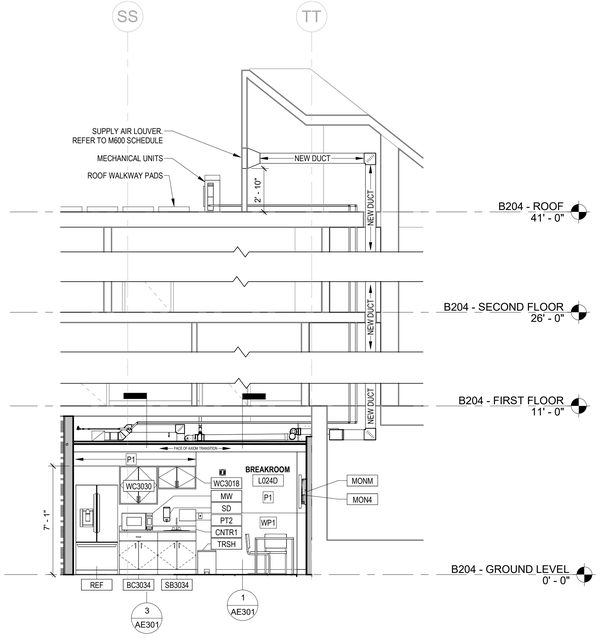


3 **POLICE DISPATCH - ELEVATION**
1/4" = 1'-0"

4 **POLICE DISPATCH - ELEVATION**
1/4" = 1'-0"



5 **POLICE DISPATCH - ELEVATION**
1/4" = 1'-0"



6 **POLICE DISPATCH - ELEVATION**
1/4" = 1'-0"

NEW WORK LEGEND

- EXISTING CONSTRUCTION
- EXISTING SMOKE ZONE BARRIER
- EXISTING 1-HOUR FIRE BARRIER
- EXISTING 2-HOUR FIRE BARRIER
- PROPOSED PARTITION
- OFFICE 100 — ROOM TAG
- P1 — FINISH TAG
- EQMT — SPECIALTY EQUIPMENT TAG

FINISH LEGEND - BASIS OF DESIGN

	MARK	DESCRIPTION	MANUFACTURER	STYLE / COLOR
	LVT1	LUXURY VINYL TILE	SHAW CONTRACT	STYLE: TERRAIN II 30 MIL COLOR: ECHO
	T1	TILE - WALL	FLORIDA TILE	SEQUENCE - 12x24 - 34905 VORTEX
	T2	TILE - FLOOR	FLORIDA TILE	SEQUENCE - 12x24 - DRIFT
	TT	TILE TRIM & METAL TRANSITIONS	SCHLUTER	TILE TRANSITION : RENO -V, TILE TRIM : RONDEC
	TG	WALL AND FLOOR TILE GROUT	TEC	908 DOVE GRAY
	RB1	RESILIENT BASE	JOHNSONITE	TRADITIONAL-6"-29 MOON ROCK WG
	P1	PAINT - FIELD	PPG	PPG1023-1 OATMEAL
	P2	PAINT - ACCENT	PPG	PPG1041-6 SHEFFIELD GRAY
	P3	DOOR FRAME PAINT	PPG	PPG1023-5 STONE GRAY
	P4	CEILING PAINT	PPG	CONFIRM WITH VA INTERIOR DESIGN
	WP1	SHEET WALL PROTECTION	INPRO	48" H - PEPPERDUST 0119
	CG1	CORNER GUARD	INPRO	14 GAUGE - SAS-1828
	SS1	COUNTERTOPS	CORIAN	ARTISTA CANVAS
	DOOR	DOOR PANELS	GRAINTECH METAL DOOR	NEW: CUSTOM TO MATCH WILSONART MANGALORE MANGO
	CASE	CASEWORK LAMINATE	WILSONART	MANGALORE MANGO
	ACT	ACOUSTIC CEILING TILE	ARMSTRONG CALLA HIGH CAC 8805	WHITE

EQUIPMENT SCHEDULE

DRAWING MARK	MANUFACTURER	JSN / SOLE	NAME (MODEL)	COUNT	AQ. CODE
ART1		A6046	SITE MAP	1	VV
AVIG	AVIGILON	SOLE	AVIGILON DESKTOP CONTROL STATION	2	CC
BB		F3010	48" x 48" BULLETIN BOARD	1	VV
BC3034			2 DOOR BASE CABINET 30x24x34	1	CC
BC4834			2 DOOR BASE CABINET 48x24x34	1	CC
BENCH		A5025	LOCKER ROOM BENCH	1	VV
CH		A5145	STAINLES STEEL ROBE HOOK	1	VC
CHAIR1		F0280	OFFICE CHAIR	2	VV
CLOCK		F3200	WALL MOUNTED ANALOG CLOCK	1	VV
CNTR1			KITCHEN COUNTER	1	CC
CNTR2			SOLID SURFACE COUNTER TOP	1	CC
CURT		A5170	SHOWER CURTAIN AND ROD	1	VC
ETSU		A1017	TELEPHONE, WALL MOUNTED, MULTI-LINE, WITH SPEAKER	1	VV
FF3634			FLAT FILE 36x24x34	2	VV
FLAT FILE BASE			FLAT FILE BASE	1	VV
GB		A5109	GRAB BAR, 1-1/4" DIA., SS, W/C ACCESSIBLE (1'-6", 2'-0" & 3'-0")	1	CC
KEYBOARD & MOUSE			KEYBOARD AND MOUSE	1	VV
LOCKER		A1040	LOCKER, 2 PERSON, SIDE BY SIDE, 72x15x18	8	VC
M-WRKST		M1801	MOTOROLA WORKSTATION	1	VC
MIRROR		A1066	FLOAT GLASS MIRROR WITH STAINLESS STEEL FRAME 3'-0" x 1'-6"	1	CC
MON1		M1800	COMPUTER MONITOR	5	VV
MON2		M1800A	DUAL COMPUTER MONITORS	2	VV
MON3		SEE TECH	VIDEO WALL MONITOR	12	CC
MON4		RELOCATE	COMMERICAL TV	1	VC
MONM	Peerless-AV	SOLE	VIDEO WALL MONITOR MOUNT	13	CC
MW		K4665	MICROWAVE	1	VV
PRNT/C		M1840	PRINTER FAX COMBINATION	1	VV
PT		A5083	RECESSED PAPER TOWEL DISPENSER AND TRASH CAN	1	CC
PT2		A5080	SURFACE MOUNTED PAPER TOWEL DISPENSER	1	VC
R-FE	SEE SPECS	A1000	FIRE EXTINGUISHER CABINET	1	CC
REF			REFRIGERATOR	1	VD
SB3034		C03P0	2 DOOR SINK BASE 30x24x34	1	CC
SBD		A5175	RECESSED SOAP BAR HOLDER	1	CC
SD		A5075	SURFACE MOUNTED SOAP DISPENSER	2	VC
SHELF		A5160	STAINLESS STEEL WALL SHELF	1	VC
SHWR		P5040	SHOWER MIXING VALVE AND HEAD HARDWARE	1	CC
TELE		A1015	TELEPHONE, DESK, MULTIPLE LINE	2	VV
TP		A5200	TOILET PAPER DISPENSER	1	VC
TRSH		F2010	BASKET, WASTE PAPER, STEP-ON	1	VV
WB		F3050	WHITEBOARD	1	VV
WC3018			2 DOOR WALL CABINET 30x18x18	1	CC
WC3030			2 DOOR WALL CABINET 30x18x30	1	CC
WIN1		SOLE	WINSTEAD DESK 1 (IN VA STOCK EXISTING)	1	VC
WIN2		SOLE	WINSTEAD DESK 2	1	VC

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

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STATE OF OHIO — EILEEN TRIMBACH 12440 — REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	INTERIOR ELEVATIONS
Approved: Owner	
Phase	CONSTRUCTION DOCUMENTS 100%
	FULLY SPRINKLERED
Project Title	RELOCATE POLICE DISPATCH
Location	MT. HOME, TENNESSEE
Issue Date	12/09/2024
Checked	ET
Drawn	CD
Project Number	621-23-104
Building Number	204
Drawing Number	AE301

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Police Dispatch Relocation/FFE_Mt Home - Police Relocation_ARCH (2024).rvt

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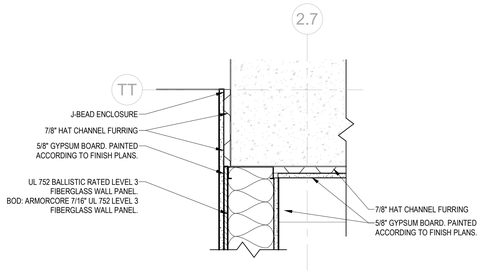
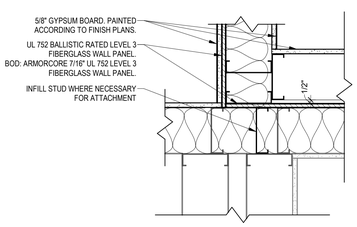
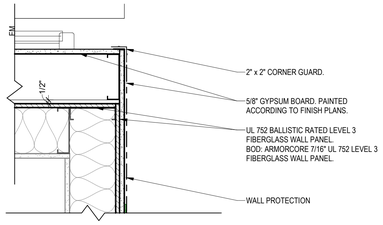


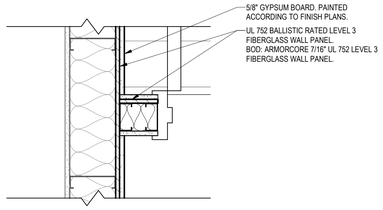
E **PLAN DETAIL E**
1 1/2" = 1'-0"



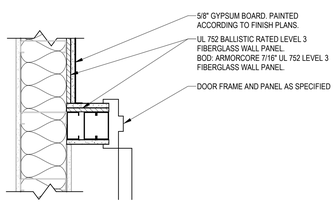
D **PLAN DETAIL D**
1 1/2" = 1'-0"



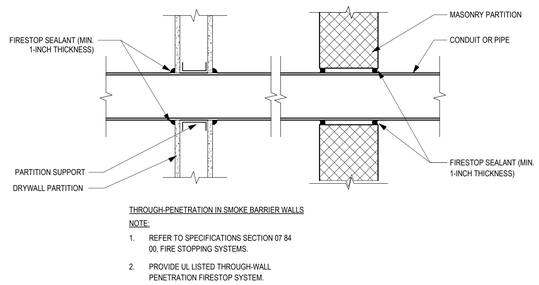
C **PLAN DETAIL C**
1 1/2" = 1'-0"



B **PLAN DETAIL B**
1 1/2" = 1'-0"



A **PLAN DETAIL A**
1 1/2" = 1'-0"

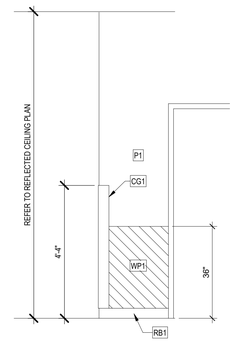


THROUGH-PENETRATION IN SMOKE BARRIER WALLS

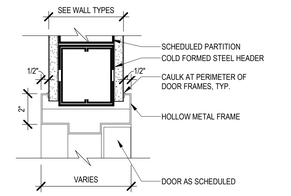
NOTE:

1. REFER TO SPECIFICATIONS SECTION 07 84 00, FIRE STOPPING SYSTEMS.
2. PROVIDE UL LISTED THROUGH-WALL PENETRATION FIRESTOP SYSTEM.

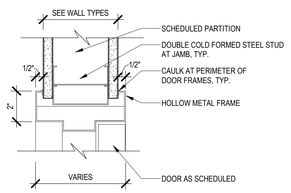
6 **PENETRATION THROUGH SMOKE BARRIERS**
1 1/2" = 1'-0"



5 **INTERIOR ELEVATION AT WALL PROTECTION**
1/2" = 1'-0"



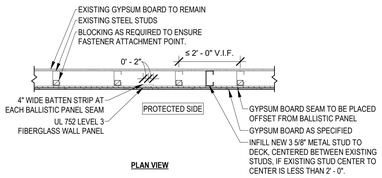
HEAD



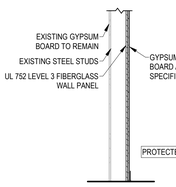
JAMB

4 **TYPICAL DOOR HEAD/ JAMB DETAILS**
3" = 1'-0"

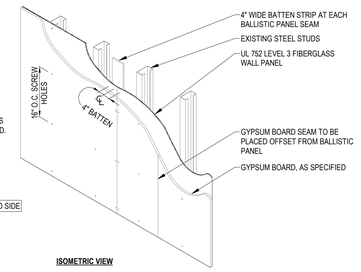
B.O.D. PANEL SIZES		NOMINAL THICKNESS 7/16" NOMINAL WIGHT 4.8 LBS PER SQUARE FOOT
WIDTH	HEIGHT	
3'-0"	9'-0"	
3'-0"	10'-0"	
4'-0"	9'-0"	
4'-0"	10'-0"	
5'-0"	9'-0"	
5'-0"	10'-0"	



PLAN VIEW

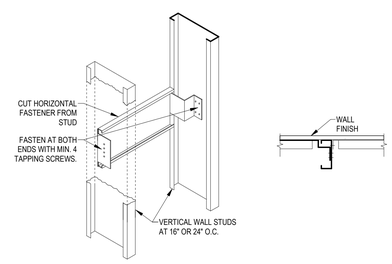


SECTION VIEW

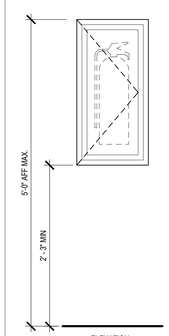


ISOMETRIC VIEW

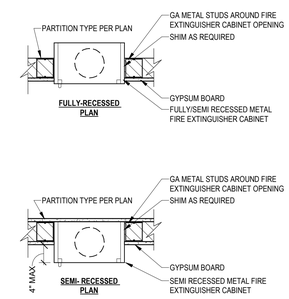
3 **UL 752 LEVEL 3 B.O.D. PANEL DETAILS**
NTS



2 **ANCHORAGE - GRAB BARS AND CABINETS**
NTS



ELEVATION



NOTE:

1. APPROXIMATE INTERIOR DIMENSION: 8"x12"x27"
2. CABINET TO CONTAIN MIN. 2-1/2 GAL. FIRE EXTINGUISHER.
3. PROVIDE FULL CLEAR ACRYLIC DOOR.
4. CABINET MUST BE RATED IF LOCATED IN RATED WALL.

1 **FIRE EXTINGUISHER WALL CABINET**
1" = 1'-0"

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

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STATE OF OHIO
EILEEN TRIMBACH
12440
REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
INTERIOR DETAILS	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Drawing Number: AE501
		Issue Date: 12/09/2024 · Checked: ET · Drawn: CJD	

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Police Dispatch Relocation/FFE_Mt Home - Police Relocation_ARCH (2024).rvt

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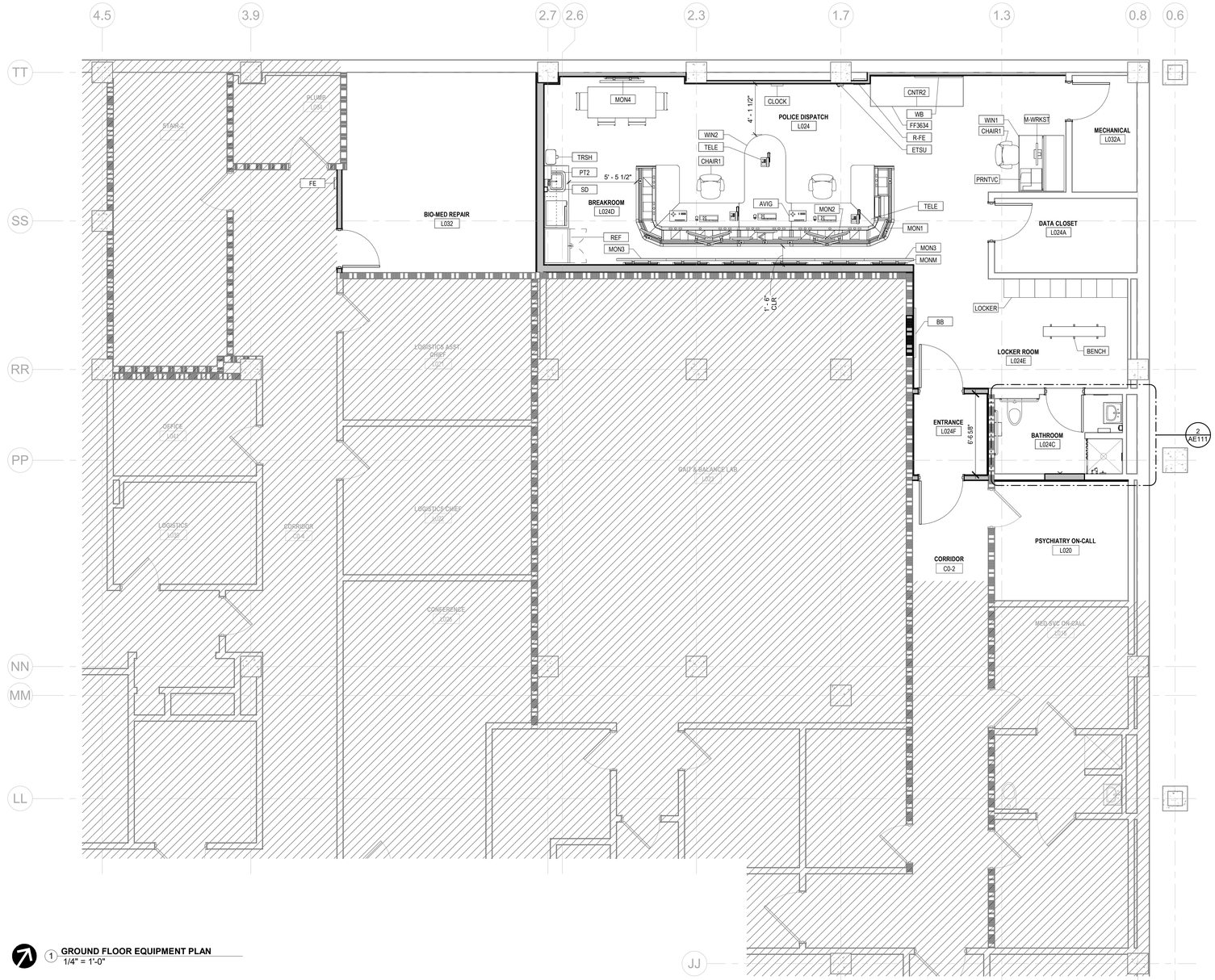


1 **GROUND FLOOR EQUIPMENT PLAN**
1/4" = 1'-0"

GENERAL EQUIPMENT NOTES

A. REFER TO GI000 FOR GENERAL NOTES.

B. REFER TO ACCESSIBILITY DETAILS ON SHEETS GI003 & GI004.

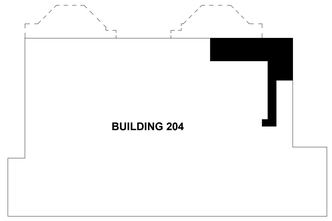
C. PROVIDE FIRE RESISTANT BLOCKING AS REQUIRED FOR WALL AND CEILING MOUNTED EQUIPMENT INCLUDING ITEMS PROVIDED OR INSTALLED BY THE VA. SEE DETAILS ON AE501 FOR GRAB BAR DETAILS.

D. RESPONSIBILITY DEFINITIONS:
CV = CONTRACTOR PROVIDE VA INSTALL
CC = CONTRACTOR PROVIDE CONTRACTOR INSTALL
VV = VA PROVIDE VA INSTALL
VC = VA PROVIDE CONTRACTOR INSTALL

G. CONFIRM REQUIREMENTS FOR HEIGHT, WEIGHT, MOUNTING, AND REQUIRED CLEARANCES WITH EQUIPMENT MANUFACTURER. NOTIFY THE OWNER AND ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLATION.

EQUIPMENT SCHEDULE

DRAWING MARK	MANUFACTURER	JSN / SOLE	NAME (MODEL)	COUNT	AQ CODE
ART1		A6046	SITE MAP	1	VV
AVIG	AVIGILON	SOLE	AVIGILON DESKTOP CONTROL STATION	2	CC
BB		F3010	48" x 48" BULLETIN BOARD	1	VV
BC3034			2 DOOR BASE CABINET 30x24x34	1	CC
BC4834			2 DOOR BASE CABINET 48x24x34	1	CC
BENCH		A5025	LOCKER ROOM BENCH	1	VV
CH		A5145	STAINLES STEEL ROBE HOOK	1	VC
CHAIR1		F0280	OFFICE CHAIR	3	VV
CLOCK		F3200	WALL MOUNTED ANALOG CLOCK	1	VV
CNTR1			KITCHEN COUNTER	1	CC
CNTR2			SOLID SURFACE COUNTER TOP	1	CC
CURT		A5170	SHOWER CURTAIN AND ROD	1	VC
ETSU		A1017	TELEPHONE, WALL MOUNTED, MULTI-LINE, WITH SPEAKER	1	VV
FE	SEE SPECS	A1000	FIRE EXTINGUISHER CABINET	1	CC
FF3634			FLAT FILE 36x24x34	2	VV
FLAT FILE BASE			FLAT FILE BASE	1	VV
GB		A5109	GRAB BAR, 1-1/4" DIA., SS, W/C ACCESSIBLE (1'-6", 2'-0" & 3'-0")	1	CC
KEYBOARD & MOUSE			KEYBOARD AND MOUSE	1	VV
LOCKER		A1040	LOCKER, 2 PERSON, SIDE BY SIDE, 72x15x18	8	VC
M-WRKST		M1801	MOTOROLA WORKSTATION	1	VC
MIRROR		A1066	FLOAT GLASS MIRROR WITH STAINLESS STEEL FRAME 3'-0" x 1'-6"	1	CC
MON1		M1800	COMPUTER MONITOR	5	VV
MON2		M1800A	DUAL COMPUTER MONITORS	2	VV
MON3		SEE TECH	VIDEO WALL MONITOR	12	CC
MON4		RELOCATE	COMMERICAL TV	1	VC
MONM	Peerless-AV	SOLE	VIDEO WALL MONITOR MOUNT	13	CC
MW		K4665	MICROWAVE	1	VV
PRNTVC		M1840	PRINTER FAX COMBINATION	1	VV
PT		A5083	RECESSED PAPER TOWEL DISPENSER AND TRASH CAN	1	CC
PT2		A5080	SURFACE MOUNTED PAPER TOWEL DISPENSER	1	VC
R-FE	SEE SPECS	A1000	FIRE EXTINGUISHER CABINET	1	CC
REF			REFRIGERATOR	1	VC
SB3034		C03P0	2 DOOR SINK BASE 30x24x34	1	CC
SBD		A5175	RECESSED SOAP BAR HOLDER	1	CC
SD		A5075	SURFACE MOUNTED SOAP DISPENSER	2	VC
SHELF		A5160	STAINLESS STEEL WALL SHELF	1	VC
SHWR		P5040	SHOWER MIXING VALVE AND HEAD HARDWARE	1	CC
TELE		A1015	TELEPHONE, DESK, MULTIPLE LINE	3	VV
TP		A5200	TOILET PAPER DISPENSER	1	VC
TRSH		F2010	BASKET, WASTE PAPER, STEP-ON	1	VV
WB		F3050	WHITEBOARD	1	VV
WC3018			2 DOOR WALL CABINET 30x18x18	1	CC
WC3030			2 DOOR WALL CABINET 30x18x30	1	CC
WIN1		SOLE	WINSTEAD DESK 1 (IN VA STOCK EXISTING)	1	VC
WIN2		SOLE	WINSTEAD DESK 2	1	VC



KEY PLAN - GROUND FLOOR

No.	Revisions:	Date:
	CONSTRUCTION DOCUMENTS 100% CLARIFICATION	06/30/2026

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STATE OF OHIO
EILEEN TRIMBACH
12440
REGISTERED ARCHITECT

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: EQUIPMENT PLANS	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Drawing Number: AQ701
		Issue Date: 12/09/2024 · Checked: ET · Drawn: CD	

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Police Dispatch Relocation/FFE_Mt Home - Police Relocation_ARCH (2024).rvt
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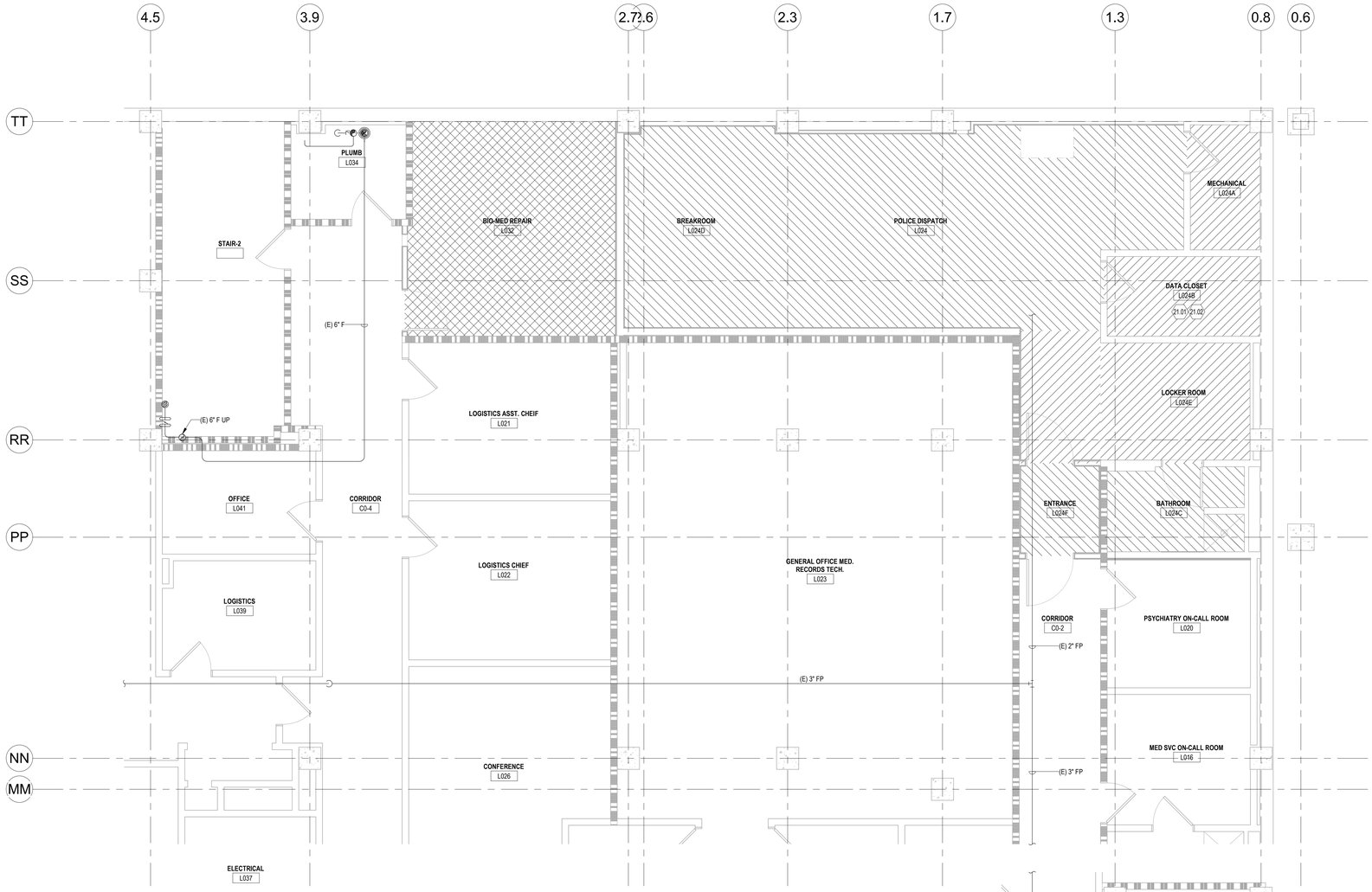
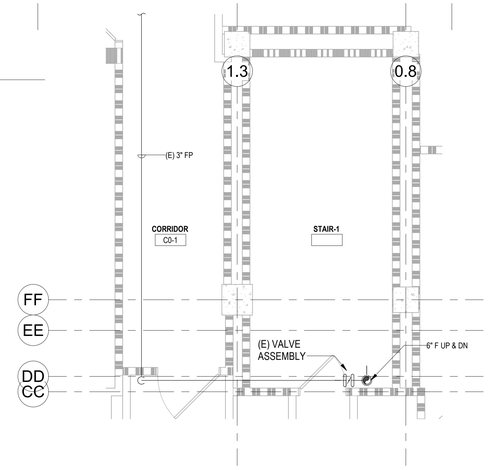


1 GROUND FLOOR FIRE SUPPRESSION PLAN
1/4" = 1'-0"



GENERAL NOTES:

A. PROVIDE COMPLETE AUTOMATIC FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 AND VA FIRE PROTECTION MANUAL. THE AREA RENOVATED IS CURRENTLY PROTECTED WITH AUTOMATIC FIRE SPRINKLERS. REWORK SPRINKLER HEADS AND PIPING AS NECESSARY TO ACCOMMODATE NEW FLOOR PLAN.

B. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND BRING TO THE ATTENTION OF THE COR IN WRITING ANY DISCREPANCIES THAT MAY IMPACT THE PROGRESS OF WORK.

C. INSTALL SPRINKLER SYSTEM OVER AND UNDER DUCTS, PIPING, AND PLATFORMS WHEN SUCH EQUIPMENT CAN NEGATIVELY EFFECT OR DISRUPT THE SPRINKLER DISCHARGE PATTERN AND COVERAGE.

D. FURNISH PIPING OFFSETS, FITTINGS, AND ANY OTHER ACCESSORIES AS REQUIRED TO PROVIDE A COMPLETE INSTALLATION AND TO ELIMINATE INTERFERENCE WITH OTHER CONSTRUCTION.

E. PIPE SIZES SHALL BE DETERMINED BY HYDRAULIC CALCULATION BY CONTRACTOR.

F. COMPLETELY COORDINATE WITH STRUCTURAL, ARCHITECTURAL, AND ALL OTHER TRADES. EQUIPMENT, SPRINKLERS, AND PIPING SHOWN ON THESE PLANS IS TO CONVEY DESIGN INTENT AND DOES NOT DICTATE THE MEANS AND METHODS OF IMPLEMETATION. ADHERE TO ALL HAZARD CLASSIFICATIONS SHOWN.

G. REFER TO ARCHITECTURAL AND FIRE ALARM DRAWINGS FOR FIRE RATED WALLS, SMOKE PARTITIONS, AND FIRE EXTINGUISHER CABINETS.

H. CONTRACTOR TO CONDUCT FIRE WATER FLOW TEST AND SUBMIT RESULTS AND SPRINKLER DESIGN.

I. REFER TO SHEET P001 FOR ABBREVIATIONS, LEGEND, AND GENERAL PROJECT NOTES.

J. REFER TO ARCHITECTURAL DRAWINGS FOR PHASING OF WORK.

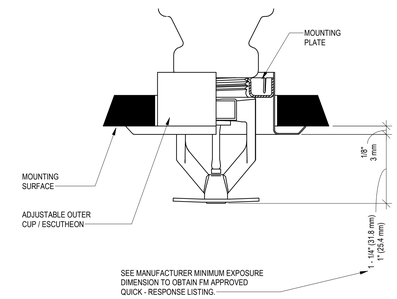
FIRE HAZARD CLASSIFICATION:

- LIGHT HAZARD
- ORDINARY HAZARD GROUP I
- ORDINARY HAZARD GROUP II

DRAWING NOTES:

21.01 SPRINKLERS IN DATA CLOSET TO BE STANDARD RESPONSE FUSIBLE LINKS WITH PROTECTIVE CAGES.

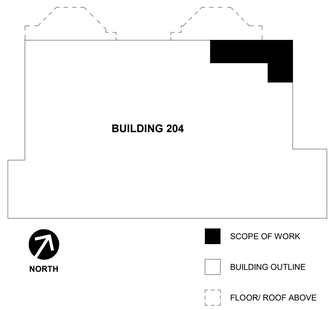
21.02 PAINT PIPING TO MATCH ADJACENT SERVICES PER SECTION 3.1.J OF THE 21 13 13 WET PIPE SPRINKLER SYSTEMS SPECIFICATIONS.



2 SEMI-RECESSED PENDENT QUICK-RESPONSE SPRINKLER (QRS)
NTS

FIRE SPRINKLER HAZARD SCHEDULE

CLASSIFICATION	CRITERIA	HOSE	DURATION	SPRINKLER	SPRINKLER DENSITY	NOTES
LIGHT HAZARD	0.10 GPM/SF OVER 1500 SF	100 GPM	30 MIN	QR; K = 5.6	1 SPRINKLER PER 225 SF	BASE AREA
ORDINARY HAZARD GROUP I	0.15 GPM/SF OVER 1500 SF	250 GPM	60 MIN	QR OR SR; K = 5.6	1 SPRINKLER PER 130 SF	BASE AREA, SR SPRINKLERS IN DATA CLOSETS, QR IN ALL OTHER OH-1 SPACES.
ORDINARY HAZARD GROUP II	0.20 GPM/SF OVER 1500 SF	250 GPM	60 MIN	QR; K = 5.6	1 SPRINKLER PER 130 SF	BASE AREA



KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

STAMP

STATE OF OHIO
GREGORY J. PEARSON
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REGISTERED
PROFESSIONAL ENGINEER
12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: FIRE SUPPRESSION GROUND FLOOR PLAN	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT, HOME, TENNESSEE	Drawing Number: FX100
		Issue Date: 12/09/2024 · Checked: PP · Drawn: GP	

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GENERAL PLUMBING SYMBOLS

- DIRECTION OF PIPE PITCH (DOWN)
- DIRECTION OF FLOW
- ANCHOR
- REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE
- UNION
- PIPE UP
- PIPE DOWN
- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- LIMIT OF DEMOLITION
- INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES
- FLOAT & THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES
- STRAINER
- THERMOMETER
- PRESSURE GAGE
- FE — FLOW ELEMENT
- CO — CLEAN OUT
- HOSE BIB
- PIPING CONTINUATION
- PIPING PENETRATION THROUGH FLOOR/ROOF
- A — MEDICAL AIR OUTLET
- O — OXYGEN OUTLET
- V — MEDICAL VACUUM OUTLET

PLUMBING VALVE SYMBOLS

- GATE VALVE
- CIRCUIT SETTER
- GLOBE VALVE
- GATE VALVE WITH 3/4 " HOSE ADAPTER
- CHECK VALVE
- ANGLE GLOBE VALVE
- BUTTERFLY VALVE
- BALL VALVE
- MODULATING CONTROL VALVE
- TWO POSITION CONTROL VALVE
- THREE-WAY MODULATING CONTROL VALVE
- THREE-WAY TWO POSITION CONTROL VALVE
- PRESSURE REGULATING VALVE
- AUTOMATIC FLOW CONTROL VALVE
- PRESSURE RELIEF VALVE
- MANUAL AIR VENT
- TEST PLUG (PRESSURE/TEMPERATURE)
- AV — AUTOMATIC AIR VENT

DRAWING SYMBOLS

- 2 / PL101 — DETAIL NUMBER; DRAWING NUMBER WHERE DRAWN
- A / PL105 — SECTION LETTER; DRAWING NUMBER WHERE SHOWN
- 26-P 3 — BUILDING NO. WHERE EQUIPMENT IS LOCATED; EQUIPMENT ABBREVIATION (PUMP); PUMP NO.3 IN BUILDING NO.26; TYPICAL UNIT NO.
- # — REVISION NUMBER

PIPING SYMBOLS

- NEW PIPING
- EXISTING PIPING
- PIPING TO BE REMOVED
- DCW — DOMESTIC COLD WATER
- DHW — DOMESTIC HOT WATER
- DHWR — DOMESTIC HOT WATER RETURN
- F — FIRE PROTECTION - STANDPIPE
- FP — FIRE PROTECTION - WET PIPE
- SAN — SANITARY SEWER
- UG SAN — SANITARY SEWER, BELOW GRADE
- SW — STORM WATER
- UG SW — STORM WATER, BELOW GRADE
- V — VENT (SANITARY)

PLUMBING ABBREVIATIONS

A/E	ARCHITECT / ENGINEER
AD	AREA DRAIN/ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AG	AIR GAP
AP	ACCESS PANEL
AS	AUTOMATIC SPRINKLER/AIR SEPARATOR
ASD	ADJUSTABLE SPEED DRIVES/AUTOMATIC SPRINKLER DRAIN
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATION AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
ASR	AUTOMATIC SPRINKLER RISER
AV	ACID VENT
AW	ACID WASTE
AXF	AXIAL FLOW
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BPW	BEDPAN WASHER
BSP	BLACK STEEL PIPE
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CENTIGRADE (CELSIUS)
CA	COMPRESSED AIR
CGA	COMPRESSED GAS ASSOCIATION
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFT	CUBIC FEET
CHP	CHILLED WATER PUMP
CHW	CHILLER WATER
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CI	CAST IRON
CM	COUNTER MOUNTED/CUBIC METER
CO	CLEAN OUT
CO2	CARBON DIOXODE
COMP	COMPARTMENT
CS	CLINICAL SINK
CV	CONSTANT VOLUME/CONTROL VALVE
D	DRAIN
DCW	DOMESTIC COLD WATER
DD-1	DESIGN DEVELOPMENT (SUBMISSION 1)
DD-2	DESIGN DEVELOPMENT (SUBMISSION 2)
DDC	DIRECT DIGITAL CONTROLS
DFU	DRAINAGE FIXTURE UNITS
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DI	DEIONIZED WATER
DIA	DIAMETER
DN	DOWN
DOE	DEPARTMENT OF ENERGY
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWS	DIALYSIS WATER SUPPLY
DWV	DRAIN WASTE VENT
EL	ELEVATION
EPA	ENVIRONMENTAL PROTECTION AGENCY
EPACT	ENERGY POLICY ACT
ESC	ESCUTCHEON
ESH	EMERGENCY SHOWER
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EWS	EYE WASH STATION
EWS/SH	EYE WASH/DRENCH SHOWER
(E)	EXISTING TO REMAIN
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT (HOSE) CONNECTION
FF	FINISHED FLOOR
FM	FLOW METER/FLOOR MOUNTED
FOP	FUEL OIL PUMP
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOT	FUEL OIL TANK
FOV	FUEL OIL VENT
FOHX	FUEL OIL HEAT EXCHANGER
FPS	FEET PER SECOND
FS	FLOW SWITCH/FLOOR SINK
FT	FEET
FT WC	FEET OF WATER COLUMN
FT-LB	FOOT-POUND
FU	FIXTURE UNITS
GAL	GALLON
GCO	GRADE CLEANOUT
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPR	GAS PRESSURE REGULATOR
GS	GALVANIZED STEEL
GT	GREASE TRAP
GVTR	GAS VENT THROUGH ROOF
GWH	GAS FIRED WATER HEATER
H&CW	HOT AND COLD WATER
HAC	HOUSEKEEPING AID CLOSET
HB	HOSE BIBB
HD	HUB DRAIN
HP	HORSEPOWER
HPDT	HIGH PRESSURE DRIP TRAP
HPR	HIGH PRESSURE RETURN (STEAM CONDENSATE)
HPS	HIGH PRESSURE SUPPLY (STEAM)
HS	HAND SINK
HST	HOT WATER STORAGE TANK (DOMESTIC)
HWB	HOT WATER BOILER
HWCP	HOT WATER CIRCULATING PUMP
HWHC	HOT WATER HEATING COIL
HWP	HEATING HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HX	HEAT EXCHANGER
HYD	HYDRANT
IBT	INVERTED BUCKET TRAP
ICU	INTENSIVE CARE UNIT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
ICW	INDUSTRIAL COLD WATER
IHW	INDUSTRIAL HOT WATER
IN	INCHES
IN HG	INCHES OF MERCURY
IN WC	INCH WATER COLUMN
IN WG	INCH WATER GAUGE
IN-LB	INCH-POUND
INV	INVERT
IPC	INTERNATIONAL PLUMBING CODE
IRW	IRRIGATION WATER
IW	INDIRECT WASTE
IWH	INSTANTANEOUS WATER HEATER
IWR	INDUSTRIAL WATER RETURN
IWS	INDUSTRIAL WATER SUPPLY
KG	KILOGRAM
KW	KILOWATT
KWH	KILOWATT HOUR
L	LITER
LH	LIGHT HAZARD
L/H	LITERS PER HOUR (or LITERS/HOUR)
L/M	LITERS PER MINUTE (or LITERS/MINUTE)
L/S	LITERS PER SECOND (or LITERS/SECOND)
LA	LABORATORY AIR
LAV	LAVATORY
LBS/HR	POUNDS PER HOUR
LCW	LABORATORY COLD WATER
LHW	LABORATORY HOT WATER
LF	LINEAR FOOT (FEET)
LPG	LIQUEFIED PETROLEUM GAS
LNG	LIQUID NATURAL GAS
LOX	LIQUID OXYGEN
LPR	LOW PRESSURE RETURN (STEAM CONDENSATE)
LPRC	LOW PRESSURE STEAM RETURN (CLEAN)
LLHX	LIQUID TO LIQUID HEAT EXCHANGER
LPS	LOW PRESSURE STEAM
LPSC	LOW PRESSURE STEAM (CLEAN)
LV	LABORATORY VACUUM
LW	LOW WATER
M	METER
M/S	METERS PER SECOND (OR METERS/SECOND)
MA	MEDICAL AIR
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	1,000 BTUH
MED	MEDICAL
MER	MECHANICAL EQUIPMENT ROOM
MH	MANHOLE
MHP	MOTOR HORSEPOWER
MIN	MINIMUM
MOU	MEMORANDUM OF UNDERSTANDING
MPR	MEDIUM PRESSURE RETURN (STEAM CONDENSATE)
MPS	MEDIUM PRESSURE STEAM
MS	MOP SINK
MV	MEDICAL VACUUM
N2	NITROGEN
N2O	NITROUS OXIDE
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NGFM	NATURAL GAS FLOWMETER
NO	NORMALLY OPEN
NOM	NOMINAL
NPLV	NON-STANDARD PART LOAD VALUE
NPSH	NET POSITIVE SUCTION HEAD
NPSHA	NET POSITIVE SUCTION HEAD AVAILABLE
NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
NPW	NON POTABLE WATER
NTS	NOT TO SCALE
O2	OXYGEN
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OH-1	ORDINARY HAZARD GROUP I
OH-2	ORDINARY HAZARD GROUP II
OR	OPERATING ROOM
OVFL	OVERFLOW
PA	PASCAL
PC	PUMPED CONDENSATE
PCF	POUNDS PER CUBIC FOOT (FEET)
PD	PRESSURE DROP
PDI	PLUMBING AND DRAINAGE INSTITUTE
PG	PRESSURE GAGE
PPM	PARTS PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH – ABSOLUTE
PSIG	POUNDS PER SQUARE INCH – GAGE
PTRV	PRESSURE TEMPERATURE RELIEF VALVE
PW	POTABLE WATER
QR	QUICK RESPONSE
RCP	RECIRCULATING PUMP
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
RL	ROOF LEADER
RP	RECIRCULATION PUMP
RO	REVERSE OSMOSIS
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
SAN	SANITARY SEWER
SCFM	STANDARD CUBIC FEET PER MINUTE
SCW	SOFTENED COLD WATER
SHW	SOFTENED HOT WATER
SD	SMOKE DETECTOR
SDMH	STORM DRAIN MANHOLE
SD-1	SCHEMATIC DESIGN (SUBMISSION1)
SD-2	SCHEMATIC DESIGN (SUBMISSION2)
SF	SQUARE FOOT (FEET)
SH	SHOWER
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SMH	SANITARY MANHOLE
SOG	SLAB ON GRADE
SP	SUMP PUMP/STATIC PRESSURE
SP GR	SPECIFIC GRAVITY
SPRV	STEAM PRESSURE REDUCING VALVE
SR	STANDARD RESPONSE
SS	STAINLESS STEEL
ST	STORAGE TANK/STEAM TRAP
SW	STORM WATER
SW	SOFTWATER
SWHX	STEAM TO WATER HEAT EXCHANGER
TCV	TEMPERATURE CONTROL VALVE
TD	TRENCH DRAIN/TEMPERATURE DIFFERENCE
TDH	TOTAL DYNAMIC HEAD
TDS	TOTAL DISSOLVED SOLIDS
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TWR	TEMPERED WATER RETURN
TWS	TEMPERED WATER SUPPLY
TYP	TYPICAL
UG	UNDERGROUND
V	VENT
VAC	VACUUM
VB	VACUUM BREAKER
VCO	VACUUM CLEANER OUTLET
VFD	VARIABLE FREQUENCY DRIVE
VHA	VETERANS HEALTH ADMINISTRATION
VP	VACUUM PUMP
VS	VENT STACK
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF
W	WASTE/WATTS
WC	WATER CLOSET
WCO	WALL CLEANOUT
WG	WATER GAGE
WH	WALL HYDRANT/WATER HEATER
WHA	WATER HAMMER ARRESTER
WL	WATER LINE
WM	WATER METER/WALL MOUNTED
WPD	WATER PRESSURE DROP
WS	WASTE STACK
WSFU	WATER SUPPLY FIXTURE UNITS
YCO	YARD CLEANOUT
YH	YARD HYDRANT
ZV	ZONE VALVE

PLUMBING GENERAL NOTES

A. THE FOLLOWING NOTES APPLY EQUALLY TO THE FULL SET OF PLUMBING DOCUMENTS.

B. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

C. REFER TO SCHEDULES, DETAILS, AND DIAGRAMS FOR PIPING, PIPE SIZES, AND PIPELINE DEVICES NOT INDICATED ON FLOOR PLAN.

D. LOCATIONS AND SIZES OF EXISTING PIPING SHOWN ON THIS DRAWING HAVE BEEN DETERMINED FROM A REVIEW OF EXISTING DRAWINGS AND/OR SITE INVESTIGATION WHERE POSSIBLE. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DRAWINGS WHICH MAY IMPACT THE PROGRESS OF WORK SHALL BE BROUGHT TO THE ATTENTION OF THE VA IN WRITING BEFORE PROCEEDING WITH THE WORK.

E. EACH CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE WORK OF OTHERS.

F. ALL WORK SHALL BE IN COMPLIANCE WITH GOVERNING CODES AND VA STANDARDS.

G. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE SUSPENDED CEILINGS FOR VALVES, CLEANOUTS, CONTROLS, ETC.

H. ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES SHALL BE PROTECTED AND/OR FIRESTOPPED AS REQUIRED TO MAINTAIN FIRE RATINGS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE-RATED ASSEMBLIES.

I. CONTRACTOR TO IMMEDIATELY INFORM THE COR IN THE EVENT THAT MATERIALS OBSERVED ARE SUSPECTED TO CONTAIN ASBESTOS.

J. PROVIDE OFFSETS AS NECESSARY TO COMPLETE SYSTEMS AND COORDINATE WORK WITH OTHER TRADES.

K. ADHERE TO VHA DIRECTIVE 1061 FOR PREVENTION OF HEALTHCARE-ASSOCIATED LEGIONELLA DISEASE AND SCALD INJURY FROM POTABLE WATER DISTRIBUTION SYSTEMS.

L. INTERNAL PARTS OF ALL PLUMBING FIXTURES, WATER PIPING, FITTINGS, AND ACCESSORIES SHALL BE ABLE TO WITHSTAND DISINFECTING OPERATIONS OF CHEMICAL AND THERMAL TREATMENT OF WATER TEMPERATURES UP TO 82°C (180°F) FOR 30 MINUTES OR 50 MG/L (50 PPM) CHLORINE RESIDUAL CONCENTRATION FOR 24 HOURS.

M. REFER TO ARCHITECTURAL PLANS FOR PHASING OF WORK.

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	PLUMBING LEGEND SHEET
Approved: Owner	
Phase	CONSTRUCTION DOCUMENTS 100%
FULLY SPRINKLERED	
Project Title	RELOCATE POLICE DISPATCH
Project Number	621-23-104
Building Number	204
Location	MT, HOME, TENNESSEE
Issue Date	12/09/2024
Checked	PP
Drawn	GP
Drawing Number	P001

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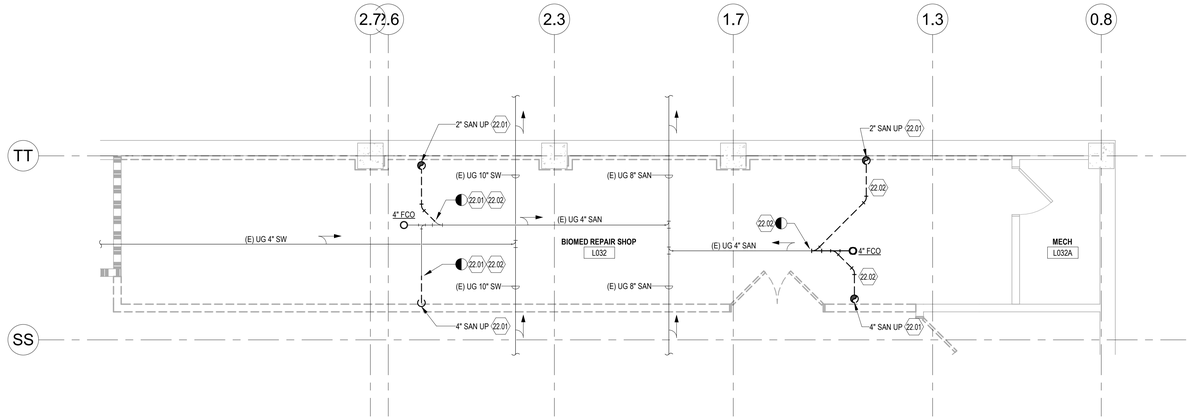
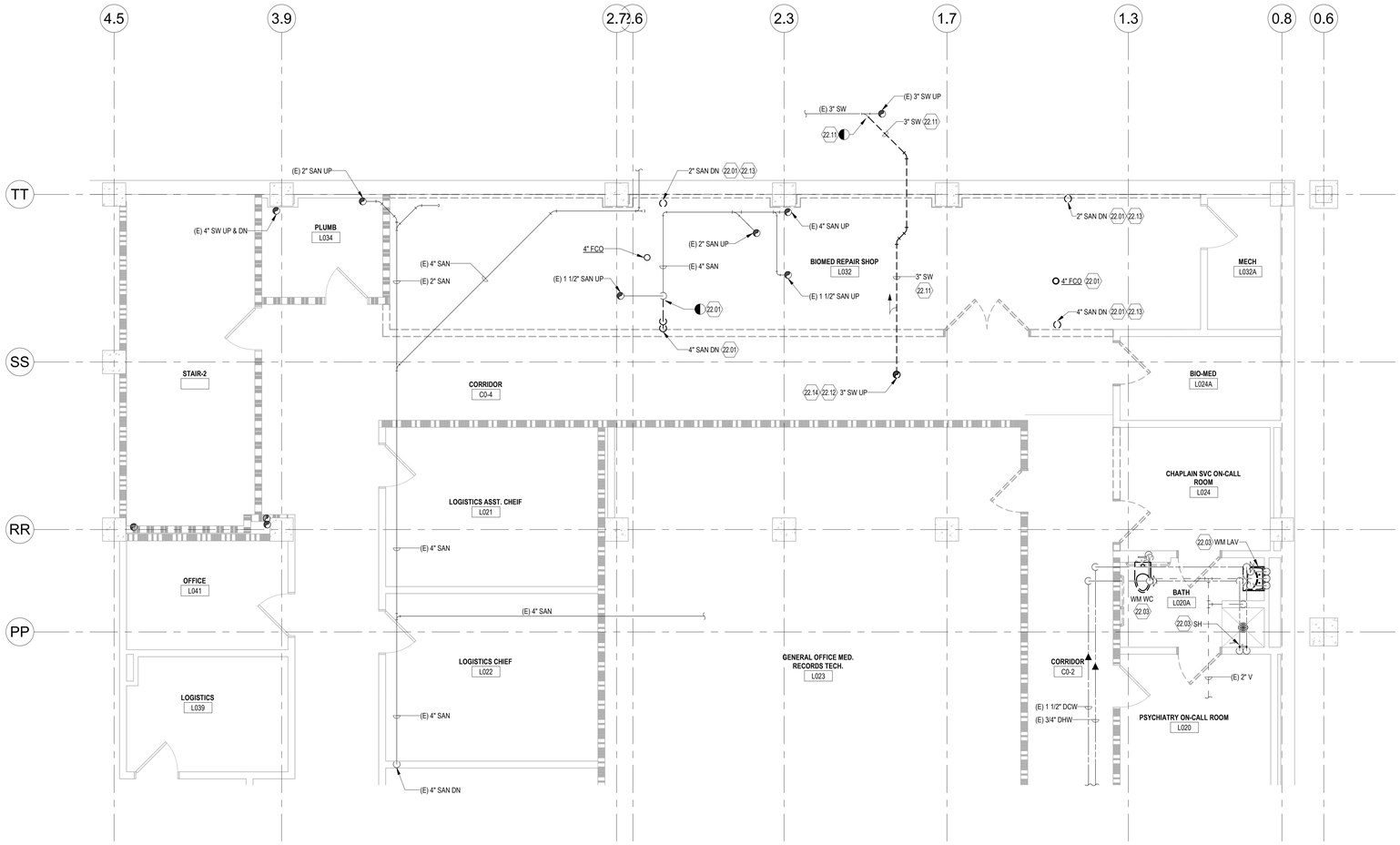
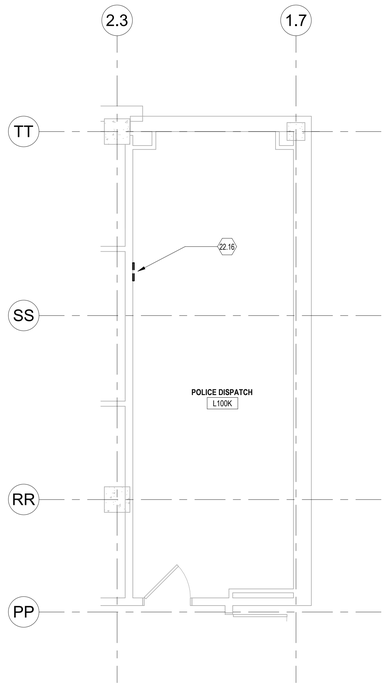


② UNDERGROUND PLUMBING DEMOLITION PLAN
1/4" = 1'-0"



① GROUND FLOOR PLUMBING DEMOLITION PLAN
1/4" = 1'-0"



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

GENERAL NOTES:

A. REFER TO SHEET P001 FOR ABBREVIATIONS, LEGEND, AND GENERAL PROJECT NOTES.

B. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES THAT MAY IMPACT THE PROGRESS OF WORK TO THE COR.

C. REFER TO ARCHITECTURAL PLANS FOR PHASING OF WORK.

DRAWING NOTES:

22.01 REMOVE SANITARY PIPING TO POINT SHOWN.

22.02 SAW CUT FLOOR AS NECESSARY FOR REMOVAL OF UNDERGROUND PIPING. BACKFILL TRENCH AND PATCH FLOOR SLAB AFTER REMOVAL OF PIPING. REFER TO TRENCH INFILL DETAIL ON SHEET PL501.

22.03 REMOVE PLUMBING FIXTURE. ASSOCIATED PIPING AND CARRIERS TO REMAIN. THIS IS A DEDUCT ALTERNATE #1 ITEM.

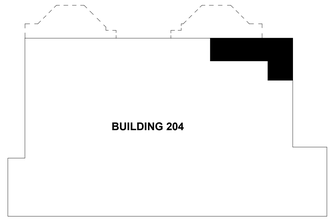
22.11 REMOVE STORM DRAIN PIPING TO POINT SHOWN AND CAP.

22.12 PATCH FLOOR SLAB TO MATCH EXISTING AFTER REMOVAL OF PIPING.

22.13 EXISTING PIPING IS CAPPED ABOVE GROUND FLOOR SLAB.

22.14 EXISTING PIPING IS CAPPED ABOVE GROUND FLOOR SLAB.

22.16 REMOVE MEDICAL GAS MASTER ALARM PANEL.



NORTH

SCOPE OF WORK

BUILDING OUTLINE

FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

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PROFESSIONAL ENGINEER
12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING DEMOLITION PLANS	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT, HOME, TENNESSEE	Drawing Number: PD100
		Issue Date: 12/09/2024 · Checked: PP · Drawn: GP	

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GENERAL NOTES:

A. REFER TO SHEET P001 FOR ABBREVIATIONS, LEGEND, AND GENERAL PROJECT NOTES.

B. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES THAT MAY IMPACT THE PROGRESS OF WORK TO THE COR.

C. REFER TO ARCHITECTURAL PLANS FOR PHASING OF WORK.

DRAWING NOTES:

22.04 CONNECT SANITARY PIPING TO EXISTING AT POINT SHOWN.

22.05 SAW CUT FLOOR AS NECESSARY FOR INSTALLATION OF UNDERGROUND PIPING. BACKFILL TRENCH AND PATCH FLOOR SLAB AFTER INSTALLATION OF PIPING. REFER TO TRENCH INFILL DETAIL ON SHEET PL501.

22.06 CONNECT DOMESTIC WATER PIPING TO EXISTING AT POINT SHOWN.

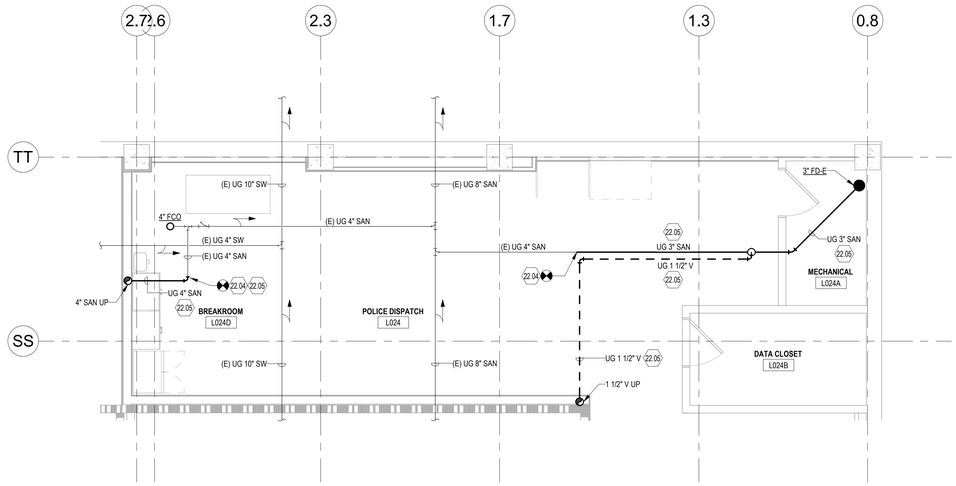
22.07 CONNECT VENT PIPING TO EXISTING AT POINT SHOWN.

22.08 INSTALL NEW PLUMBING FIXTURE IN PLACE OF EXISTING. CONNECT TO EXISTING PIPING.

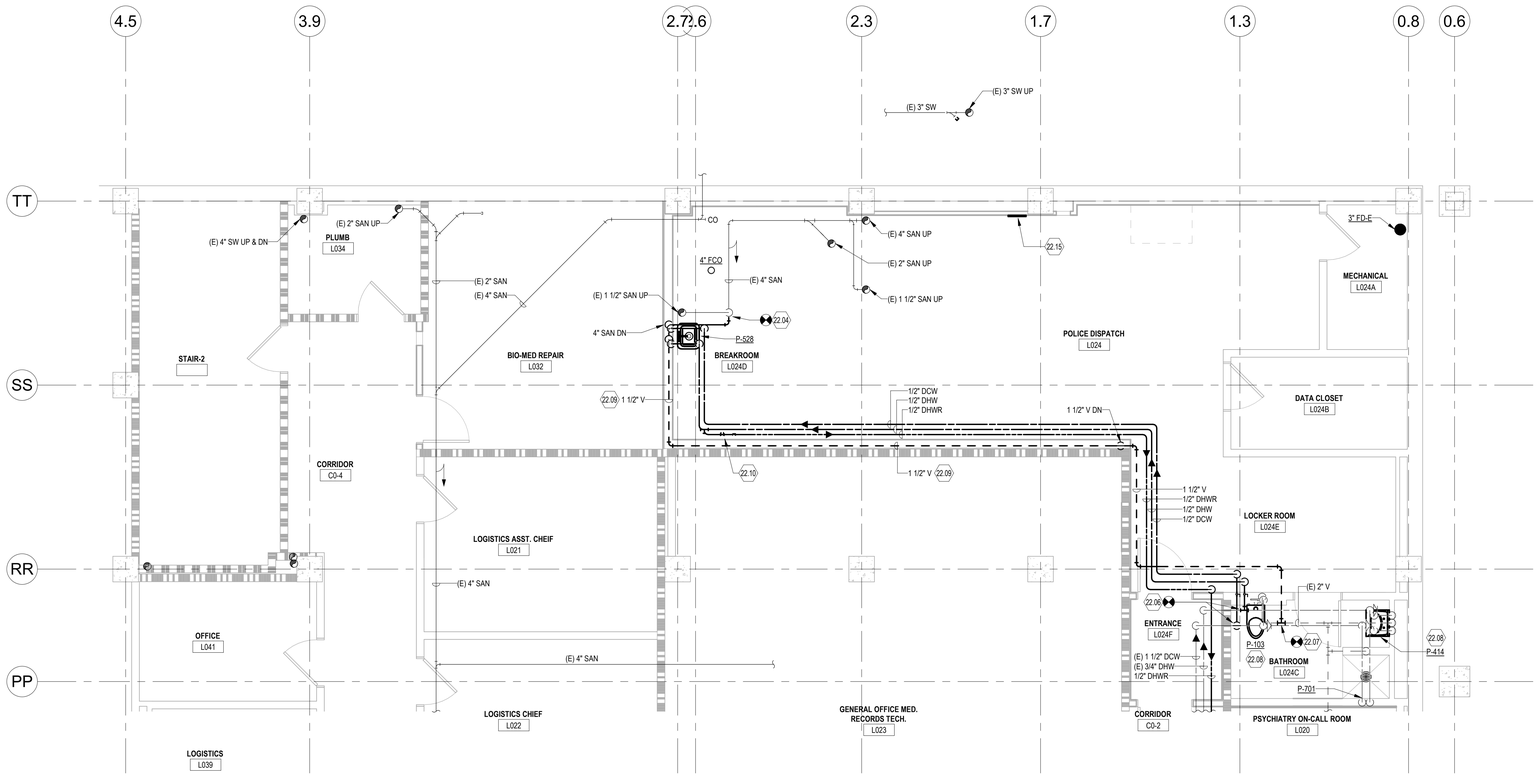
22.09 ROUTE VENT PIPING IN WALL CAVITY.

22.10 INSTALL CIRCUIT SETTER AND CHECK VALVE. SET AT 1.0 GPM.

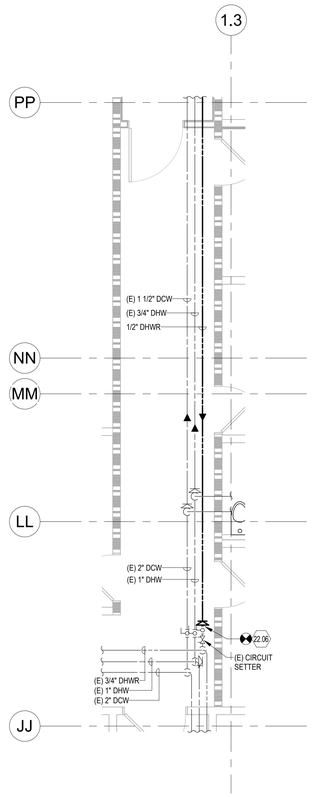
22.15 INSTALL NEW MEDICAL GAS MASTER ALARM PANEL. CONTROLS TO MATCH REMOVED MEDICAL GAS ALARM PANEL.

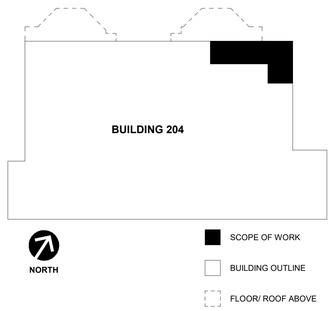


② UNDERGROUND PLUMBING NEW WORK PLAN
1/4" = 1'-0"



① GROUND FLOOR PLUMBING NEW WORK PLAN
1/4" = 1'-0"





KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

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STATE OF OHIO
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12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING NEW WORK PLANS	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT, HOME, TENNESSEE	Drawing Number: PL100
		Issue Date: 12/09/2024 · Checked: PP · Drawn: GP	

VA FORM 08 - 6231

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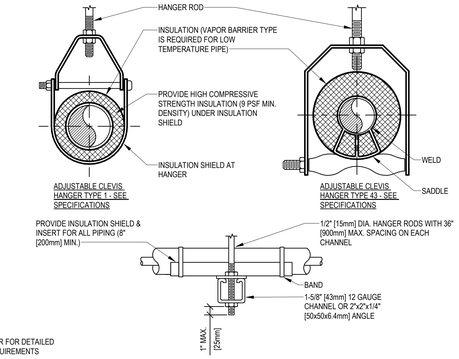
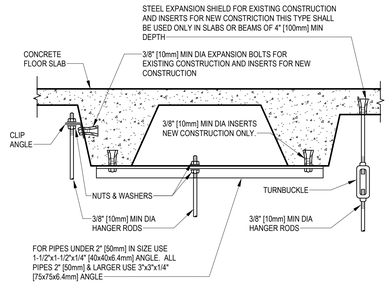


NOTES:
SEE SPECIFER FOR DETAILED HANGER REQUIREMENTS

SIDE VIEW TRAPEZE HANGER FOR UP TO 1000 LB. [453KG] UNIFORM LOAD

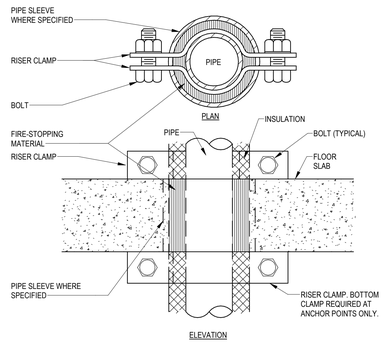
MAXIMUM PIPE/TUBING SUPPORT SPACING																				
NOM. SIZE	IN. [mm]	THRU 3/4 THRU [20]	1 [25]	1 1/4 [32]	1 1/2 [40]	2 [50]	2 1/2 [65]	3 [75]	4 [100]	5 [125]	6 [150]	8 [200]	10 [250]	12 [300]	14 [350]	16 [400]	18 [450]	20 [500]	24 [600]
PIPE	FT. [mm]	7 [2100]	7 [2100]	7 [2100]	9 [2700]	10 [3000]	11 [3400]	12 [3700]	14 [4100]	16 [4900]	17 [5200]	19 [5800]	22 [6700]	23 [7000]	25 [7600]	27 [8200]	28 [8500]	30 [9100]	32 [9600]
TUBING	FT. [mm]	5 FT [1500]	6 [1800]	7 [2100]	8 [2400]	8 [2400]	9 [2700]	10 [3000]	12 [3700]	13 [4000]	14 [4100]	16 [4900]	-	-	-	-	-	-	-
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.																			

1 **PIPE HANGERS**
NTS

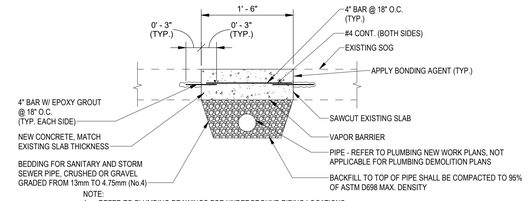


2 **SECURING HANGER RODS IN CONCRETE**
NTS

NOTES:
1. PROVIDE ANCHORS ONLY WHERE SHOWN ON DRAWINGS.
2. EXTEND SLEEVE ABOVE FLOOR WHERE SPECIFIED.



3 **SUPPORT/ANCHOR FOR PIPE RISERS**
NTS



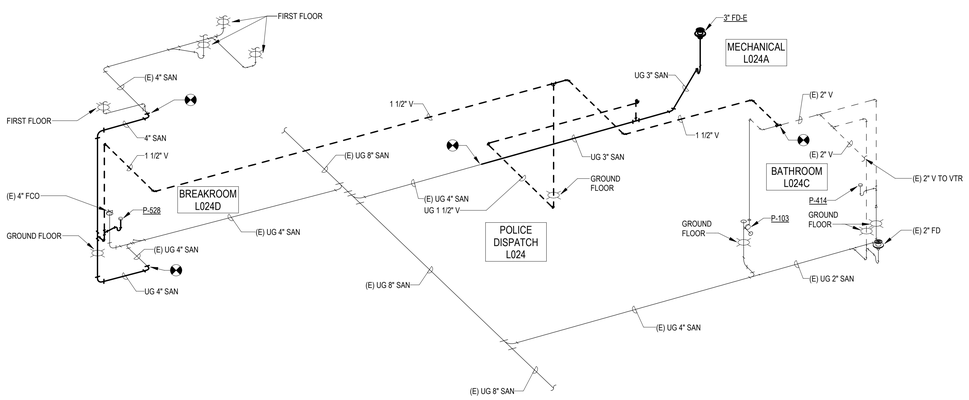
NOTE:
1. REFER TO PLUMBING DRAWINGS FOR UNDERGROUND PIPING LOCATIONS.
2. AFTER EXCAVATION, COMPACT THE SOIL TO REMOVE ANY SOFT SPOTS. BEFORE POURING CONCRETE. AVOID SOIL SLOUGHING OFF BELOW EXISTING SLAB.
3. MATCH EXISTING CONTROL JOINT LOCATIONS.

4 **TRENCH INFILL DETAIL**
NTS

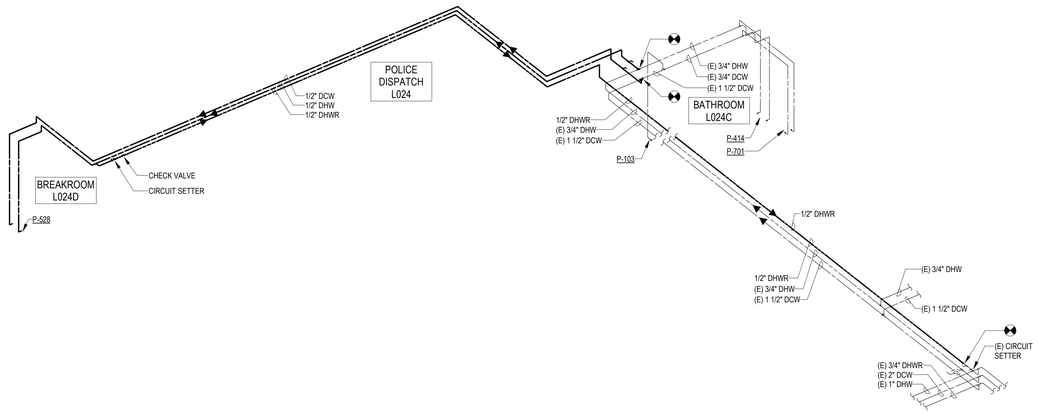
PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	WASTE PIPE		VENT PIPE		COLD WATER		HOT WATER		WASTE FIXTURE UNITS	COLD WATER FIXTURE UNITS	HOT WATER FIXTURE UNITS	WRIST BLADE HANDLES	ELECTRIC SENSOR	REMARKS
		IN	[mm]	IN	[mm]	IN	[mm]	IN	[mm]						
P-103	WATER CLOSET, FLUSH VALVE, VITREOUS CHINA, WALL HUNG	4	[100]	2	[50]	1	[25]	-	-	4	10	-	N/A	NO	1
P-413	LAVATORY, VITREOUS CHINA, WALL MOUNTED	1.5	[40]	1.5	[40]	0.5	[15]	0.5	[15]	1	1.5	1.5	YES	NO	1, 2
P-528	SINK, CRS, COUNTER MOUNTED, SINGLE COMPARTMENT	1.5	[40]	1.5	[40]	0.5	[15]	0.5	[15]	3	1.5	1.5	YES	NO	2
P-701	SHOWER, WALL MOUNTED	2	[50]	1.5	[40]	0.5	[15]	0.5	[15]	2	3	3	N/A	NO	1, 2

REMARKS:
1. INSTALL NEW FIXTURE IN PLACE OF EXISTING. CONNECT TO EXISTING PIPING.
2. PROVIDE WITH THERMOSTATIC MIXING VALVE. LIMIT HOT WATER OUTPUT TEMPERATURE TO 110 DEGREES F.



5 **SANITARY & VENT ISOMETRIC**
NTS



6 **SANITARY & VENT ISOMETRIC**
NTS

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

CONSULTANT

ARCHITECT/ENGINEER OF RECORD
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STATE OF OHIO
GREGORY J. PEARSON
E-80667
REGISTERED
PROFESSIONAL ENGINEER
12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: PLUMBING DETAILS, SCHEDULES, & DIAGRAMS	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT, HOME, TENNESSEE	Drawing Number: PL501
		Issue Date: 12/09/2024 · Checked: PP · Drawn: GP	

VA FORM 08 - 6231

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ABBREVIATIONS

A/E	ARCHITECT / ENGINEER
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
ACD	AUTOMATIC CONTROL DAMPER, MODULATING
ACD-TP	AUTOMATIC CONTROL DAMPER, TWO POSITION
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AF	AFTER FILTER
AFCV	AIR FLOW CONTROL VALVE
AHU	AIR-HANDLING UNIT
AMP	AMPERE
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE
AS	AIR SEPARATOR
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATION AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
BD	BUTTERFLY DAMPER
BDD	BACKDRAFT DAMPER
BDR	BASE BOARD RADIATOR
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BIW	BACKWARD INCLINED WHEEL (FAN)
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CENTIGRADE (CELSIUS)
CAV	CONSTANT AIR VOLUME
CC	COOLING COIL
CCD	COOLING COIL CONDENSATE DRAIN
CD	CEILING DIFFUSER
CD-1	CONSTRUCTION DOCUMENTS (SUBMISSION1)
CD-2	CONSTRUCTION DOCUMENTS (SUBMISSION2)
CENT	CENTRIFICAL
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFT	CUBIC FEET
CG	CEILING GRILLE
CHP	CHILLED WATER PUMP
CHW	CHILLER WATER
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CI	CAST IRON
CM	CARBON MONOXIDE
CM	CUBIC METER
CM/S	CUBIC METER PER SECOND
CO	CLEAN OUT
CO2	CARBON DIOXODE
COP	COEFFICIENT OF PERFORMANCE
CP	CONDENSATE PUMP
CU	CONDENSING UNIT
CV	CONSTANT VOLUME
CWCC	CHILLED WATER COOLING COIL
D	DAMPER - AUTOMATIC
Db	DRY-BULB TEMPERATURE
DB	DECIBELS
DCW	DOMESTIC COLD WATER
DD	DESIGN DEVELOPMENT
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DF	DIFFUSER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DIA	DIAMETER
DP	DEW POINT TEMPERATURE
DPA	DIFFERENTIAL PRESSURE ASSEMBLY
DPS	DIFFERENTIAL PRESSURE SENSOR
DX	DIRECT EXPANSION
DXCC	DIRECT EXPANSION COOLING COIL
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EGT	ENTERING GLYCOL TEMPERATURE
EH	EXHAUST HOOD
ENT	ENTERING
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	FAHRENHEIT
F/SDPR	COMBINATION FIRE SMOKE DAMPER
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT (4 PIPE)
FCUC	FAN COIL UNIT COOLING ONLY
FCUH	FAN COIL UNIT HEATING ONLY
FCW	FORWARD CURVED WHEEL (FAN)
FD	FLOOR DRAIN
FD	FIRE DAMPER
FM	FLOW METER
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET
FT WC	FEET OF WATER COLUMN
FT-LB	FOOT-POUND
FTR	FIN TUBE RADIATION
FV	FACE VELOCITY
GA	GAUGE
GAL	GALLONS
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GS	GALVANIZED STEEL
H	HUMIDIFER
HAC	HOUSEKEEPING AID CLOSET
HC	HEATING COIL
HOA	HAND/OFF/AUTOMATIC
HP	HEAT PUMP
HP	HORSEPOWER
HW	HOT WATER
HWC	HOT WATER COIL
HWHC	HOT WATER HEATING COIL
HWP	HEATING HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HZ	HERTZ
I/O	INPUT/OUTPUT
IAQ	INDOOR AIR QUALITY
ICF	IN-LINE CENTRIFUGAL FAN
ID	INSIDE DIAMETER
IN	INCHES
IN HG	INCHES OF MERCURY
IN WC	INCH WATER COLUMN
IN WG	INCH WATER GAUGE
IN-LB	INCH-POUND
IPLV	INTERGRATED PART LOAD VALUE
kPa	KILOPASCAL
KW	KILOWATT
KWH	KILOWATT HOUR
L	LITER
L/h	LITERS PER HOUR (or LITERS/HOUR)
L/m	LITERS PER MINUTE (or LITERS/MINUTE)
L/s	LITERS PER SECOND (or LITERS/SECOND)
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LF	LINEAR FOOT (FEET)
LH	LATENT HEAT
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LVG	LEAVING
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MB	MIXING BOX
MBH	1,000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MER	MECHANICAL EQUIPMENT ROOM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MH	MANHOLE
MHP	MOTOR HORSEPOWER
MIN	MINIMUM
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NOAA	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
NOM	NOMINAL
NPLV	NON-STANDARD PART LOAD VALUE
NPSH	NET POSITIVE SUCTION HEAD
NPSHA	NET POSITIVE SUCTION HEAD AVAILABLE
NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAD	OUTDOOR AIR DAMPER
OAI	OUTSIDE AIR INTAKE
OD	OUTSIDE DIAMETER
P	PUMP
Pa	PASCAL
PCF	POUNDS PER CUBIC FOOT (FEET)
PD	PRESSURE DROP
PF	PRE-FILTER
PG	PRESSURE GAGE
PHC	PREHEAT COIL
PPM	PARTS PER MILLION
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH – ABSOLUTE
PSIG	POUNDS PER SQUARE INCH – GAGE
PSS	PRIMARY SECONDARY SYSTEM
PSV	PRESSURE SAFETY VALVE
R/E	RETURN OR EXHAUST
RA	RETURN AIR
RAD	RETURN AIR DAMPER
RAT	RETURN AIR TEMPERATURE
RD	REFRIGERANT DISCHARGE
RDS	ROOM DATA SHEETS
RF	RETURN FAN
RG	RETURN GRILLE
RHC	REHEAT COIL
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID LINE
RLA	RUN LOAD AMPERE
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
RS	REFRIGERANT SUCTION
RV	RELIEF VALVE
SA	SUPPLY AIR
SAD	SOUND ATTENUATING DEVICE
SAT	SUPPLY AIR TEMPERATURE
SCFM	STANDARD CUBIC FEET PER MINUTE
SD	SMOKE DETECTOR
SD	SUPPLY AIR DIFFUSER
SD	SCHEMATIC DESIGN
SDPR	SMOKE DAMPER
SDR	SMOKE DAMPER (RETURN)
SDS	SMOKE DAMPER (SUPPLY)
SEN	SENSIBLE HEAT
SF	SUPPLY FAN
SG	SUPPLY AIR GRILLE
SI	SQUARE INCHES
SP	STATIC PRESSURE
SP GR	SPECIFIC GRAVITY
SPD	SUPPLY PROCESS AND DISTRIBUTION
SPS	STATIC PRESSURE SENSOR
SQ FT	SQUARE FOOT (FEET)
SR	SUPPLY AIR REGISTER
SS	STAINLESS STEEL
SW	SOFTWATER
T&PCV	TEMPERATURE AND PRESSURE CONTROL VALVE
TAB	TESTING, ADJUSTING, BALANCE
TD	TEMPERATURE DIFFERENCE
TDH	TOTAL DYNAMIC HEAD
TG	TRANSFER GRILLE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TU	TERMINAL UNIT
UC	UNDER CUT
U	UNDERWRITERS LABORATORY
V	VALVE
VAF	VANE-AXIAL FAN
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER (MANUAL OPPOSED BLADE)
VFD	VARIABLE FREQUENCY DRIVE
VHA	VETERANS HEALTH ADMINISTRATION
VPS	VARIABLE PRIMARY SYSTEM
VSD	VARIABLE SPEED DRIVE
W	WATTS
Wb	WET-BULB (TEMPERATURE)
YR	YEAR

NOTE:
ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS. ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

DRAWING SYMBOLS

2 / H4 — DETAIL NUMBER; DRAWING NUMBER WHERE DRAWN

A / H7 — SECTION LETTER; DRAWING NUMBER WHERE SHOWN

26-SF 3 — BUILDING NO. WHERE EQUIPMENT IS LOCATED; EQUIPMENT ABBREVIATION (SUPPLY FAN); SUPPLY FAN NO. 3 IN BUILDING NO. 26; TYPICAL UNIT NO.

26-TU-H — BUILDING NO. WHERE EQUIPMENT IS LOCATED; ITEM (TERMINAL UNIT SHOWN); ITEM NUMBER (TERMINAL UNIT NO. 1); SERVED BY AIR HANDLER UNIT NO. 1

TERMINAL UNIT SYMBOLS

UNIT HEATER (HORIZONTAL)

2x2' RADIANT CEILING PANEL

AIR TERMINAL SYMBOLS

TERMINAL UNIT WITH REHEAT COIL

DOUBLE DUCT MIXING BOX.

GENERAL SYMBOLS

ACCESS PANEL

DUCTWORK SYMBOLS

UP / DN — SUPPLY DUCT (UP & DOWN)

UP / DN — EXHAUST DUCT (UP & DOWN)

UP / DN — RETURN DUCT (UP & DOWN)

SQUARE 4-WAY CEILING DIFFUSERS

CONNECT NEW DUCT TO EXISTING DUCT

R — INCLINED RISE, IN DIRECTION OF AIR FLOW

D — INCLINED DROP, IN DIRECTION OF AIR FLOW

LIMIT OF DEMOLITION

FC — FLEXIBLE CONNECTION, EQUIPMENT, VIBRATION, OR SEISMIC

VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)

VANED ELBOW (SHORT RADIUS)

STANDARD RADIUS ELBOW (LONG RADIUS)

10x8 — NEW DUCT (INSIDE DIMENSIONS: WIDTH x DEPTH)

EXISTING DUCT TO REMAIN

EXISTING DUCT TO BE REMOVED

FLEXIBLE DUCTWORK (INSULATED)

MANUAL VOLUME DAMPER

FD — FIRE DAMPER

2 1 / 4 1/2 — POINT OF CHANGE IN DUCT CONSTRUCTION BY STATIC PRESSURE CLASS. THE NUMBER ASSIGNS PRESSURE CLASS (IN. OF WATER) WHICH WILL ACCOMMODATE MAXIMUM OPERATING PRESSURE IN THE DUCT SUBSECTION. THE SYMBOL CONTINUES THE ASSIGNMENT UNTIL THE DUCT TERMINATES OR ANOTHER SYMBOL APPEARS. A "N" SUPERSCRIPT INDICATES NEGATIVE PRESSURE.

TERMINAL UNIT W/ REHEAT COIL AND AIR DEVICE

AUTOMATIC CONTROL DAMPER MODULATING

AUTOMATIC CONTROL DAMPER TWO POSITION

SD — SMOKE DETECTOR

PIPING SYMBOLS

HPS	HIGH PRESSURE STEAM (60 PSIG AND ABOVE)
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM (16 PSIG THRU 59 PSIG)
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM (15 PSIG AND BELOW)
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
HWS	HOT WATER HEATING SUPPLY
HWR	HOT WATER HEATING RETURN
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
D	DRAIN LINE
V	VENT LINE
CW	COLD WATER (CITY WATER)
HW	HOT WATER

GENERAL PIPING SYMBOLS

DIRECTION OF PIPE PITCH (DOWN)

DIRECTION OF FLOW

ANCHOR

REDUCER OR INCREASER

ECCENTRIC REDUCER

TOP CONNECTION, 45° OR 90°

BOTTOM CONNECTION, 45° OR 90°

SIDE CONNECTION

CAPPED OUTLET

RISE OR DROP IN PIPE

UNION

PIPE UP

C — PIPE DOWN

T — THERMOMETER

PRESSURE GAGE

FE — FLOW ELEMENT

REFRIGERANT SIGHT GLASS

TEST PLUG (PRESSURE/TEMPERATURE)

AV — AUTOMATIC AIR VENT

MV — MANUAL AIR VENT

C — QUICK-COUPLE HOSE CONNECTOR

FIRE RATING SYMBOLS

1 HOUR SMOKE BARRIER

1 HOUR FIRE BARRIER

VALVE SYMBOLS

GATE VALVE - THREADED/FLANGED

GLOBE VALVE - THREADED/FLANGED

GATE VALVE WITH 3/4" HOSE ADAPTER

CHECK VALVE

WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)

WYE STRAINER WITH VALVED DRAIN AND QUICK-COUPLE HOSE CONNECTOR

ANGLE GLOBE VALVE

BUTTERFLY VALVE

BALL VALVE

MODULATING CONTROL VALVE

MODULATING CONTROL BUTTERFLY VALVE

TWO POSITION CONTROL VALVE

THREE-WAY MODULATING CONTROL VALVE

THREE-WAY TWO POSITION CONTROL VALVE

PRESSURE REGULATING VALVE

PRESSURE SAFETY VALVE

AUTOMATIC BALANCING CONTROL VALVE

WATER BALANCE DEVICE

CIRCUIT SETTER VALVE

PLUG VALVE

CONTROL VALVE (CV) - FLOAT-OPERATED

PRESSURE REDUCING VALVE (PRV)

M — FLOW METER

CONTROLS SYMBOLS

T	ROOM THERMOSTAT/TRANSMITTER - WALL MOUNT
M	ROOM HUMIDISTAT (MOISTURE)/TRANSMITTER - WALL MOUNT
TT	TEMPERATURE TRANSMITTER
TT	TEMPERATURE TRANSMITTER, AVERAGING ELEMENT
MT	MOISTURE (HUMIDITY) TRANSMITTER
PT	PRESSURE TRANSMITTER
SPS	STATIC PRESSURE SENSOR
FT	FLOW TRANSMITTER
IT	CURRENT TRANSMITTER
SD	SMOKE DETECTOR
PDT	PRESSURE DIFFERENTIAL TRANSMITTER
PDS	PRESSURE DIFFERENTIAL SWITCH
HS	HAND SWITCH (HAND-OFF-AUTO SWITCH)
MG	MAGNEHLIC PRESSURE GAUGE

TEMPERATURE SENSING ELEMENT FOR TRANSMITTING TEMPERATURE TO EMCS (PROVIDE 12 INCHES [200mm] MINIMUM LENGTH IN DUCT WHEN SPACE PERMITS.)

A — SENSOR WITH AVERAGING ELEMENT TO TRANSMIT TEMPERATURE TO EMCS

MOTOR STARTER

CP — CONDENSATE PUMP

ES — END SWITCH

M — ELECTRIC OPERATED CONTROL DAMPER/OR VALVE

T — STEAM TRAP

(FC)	FAIL CLOSED
(FO)	FAIL OPEN
(FLP)	FAIL LAST POSITION

GENERAL NOTES

1. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE HARD SUSPENDED CEILING, OR ACCOUSTICAL CEILING.
2. ACCESS PANELS IN HARD SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS. COORDINATE LOCATION WITH MECHANICAL INSTALLATION AND DEMONSTRATE ACCESS TO EQUIPMENT SERVED.
3. TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC. LOSS FOR FILTERS SHALL BE FOR FILTERS AT 50% LOADING.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF CEILING DIFFUSERS, REGISTERS, AND GRILLES.
5. PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN HEATING/COOLING MEDIUM AND AIR.
6. WHERE DUCTS OR PIPES ARE REMOVED THRU BUILDING ELEMENT THAT IS TO REMAIN, PATCH BUILDING OPENING TO MATCH EXISTING WHERE OPENING IS NOT REUSED.
7. ALL CUTTING AND PATCHING REQUIRED FOR THE PROJECT WORK SHALL BE INCLUDED IN THE CONTRACT. REFINISH ANY SURFACE DISTRUBED UNDER THIS WORK TO MATCH EXISTING.
8. ALL WALL & FLOOR PENETRATIONS SHALL BE FIRESTOPPED TO RETARD PASSAGE OF FIRE & SMOKE.
9. FIELD VERIFY EXISTING CONDTIONS, INCLUDING DUCT, PIPE AND EQUIPMENT SIZES, SERVICES AND LOCATIONS PRIOR TO PERFORMING WORK.
10. ALL EXISTING DUCTWORK, PIPING, EQUIPMENT, CONTROLS, ETC. SHOWN DASHED SHALL BE REMOVED. THE MAJORITY OF WORK TO BE REMOVED IS SHOWN. REMOVE ALL INCIDENTAL ABANDONED UTILITY ITEMS THAT MAY NOT BE SHOWN BUT ARE ASSOCIATED WITH THE REMOVAL WORK.
11. DUCT RUNOUT SIZE TO INDIVIDUAL AIR TERMINAL, DIFFUSER, AND GRILLE SHALL BE THE SAME SIZE AS THE AIR TERMINAL, DIFFUSER, GRILLE INLET SIZE, UNLESS NOTED OTHERWISE.
12. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENTS. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEOFE FABRICATION.
13. PROVIDE A PRINTED LABEL ON THE CEILING GRID IDENTIFYING WHICH FIRE DAMPER IS IN THAT LOCATION.
14. LABEL ALL MECHANICAL EQUIPMENT WITH ITS SCHEDULED MARK. FOR MECHANICAL EQUIPMENT OUTDOORS, PROVIDE WEATHER RESISTANT LABEL.
15. WHEN EQUIPMENT IS REMOVED FROM THE SITE, TURN OVER THE TAG TO THE COR.
16. TAB CONTRACTOR SHALL PERFORM MONTHLY SITE VISITS THROUGHOUT CONSTRUCTION. TAB CONTRACTOR WILL WORK ON AREAS THAT CONSTRUCTION HAS BEEN COMPLETED. TAB CONTRACTOR WILL EITHER RETURN NEXT MONTH OR WAIT FOR COR'S INVITE WHEN CONSTRUCTION IS DONE.
17. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
18. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THIER ACTIONS TO WALLS AND CEILINGS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
19. SEAL ALL WALL PENETRATIONS AIRTIGHT WHERE CONDUIT, PIPING, AND DUCTS PENETRATE.
20. CAULK ALL PIPE AND DUCT PENETRATION OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
21. REQUIREMENTS FOR SIZES AND CLEARANCES FOR NEW EQUIPMENT CAN BE DIFFERENT DEPENDING ON THE MANUFACTURE. COORDINATE WITH THE LAYOUT OF THE OTHER EQUIPMENT AND UTILITIES IN SCOPE.
22. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALLBE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.
23. MECHANICAL COMPONENTS REQUIRE ADDITIONAL SEISMIC BRACING AND/OR ANCHORAGE. SEE SPEC SECTION 13 05 41 FOR ADDITIONAL REQUIREMENTS.

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE HEAPY

STAMP: STATE OF OHIO — KENNETH T. FITZGERALD — E-76662 — REGISTERED PROFESSIONAL ENGINEER — 12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	MECHANICAL ABBREVIATIONS AND LEGENDS
Approved: Owner	
Phase	CONSTRUCTION DOCUMENTS 100%
FULLY SPRINKLERED	
Project Title	RELOCATE POLICE DISPATCH
Location	MT, HOME, TENNESSEE
Issue Date	12/09/2024
Checked	KF
Drawn	JV
Project Number	621-23-104
Building Number	
Drawing Number	M001

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Police Dispatch Relocation/FFE_Mt Home - Police Relocation_MEP (2024).rvt

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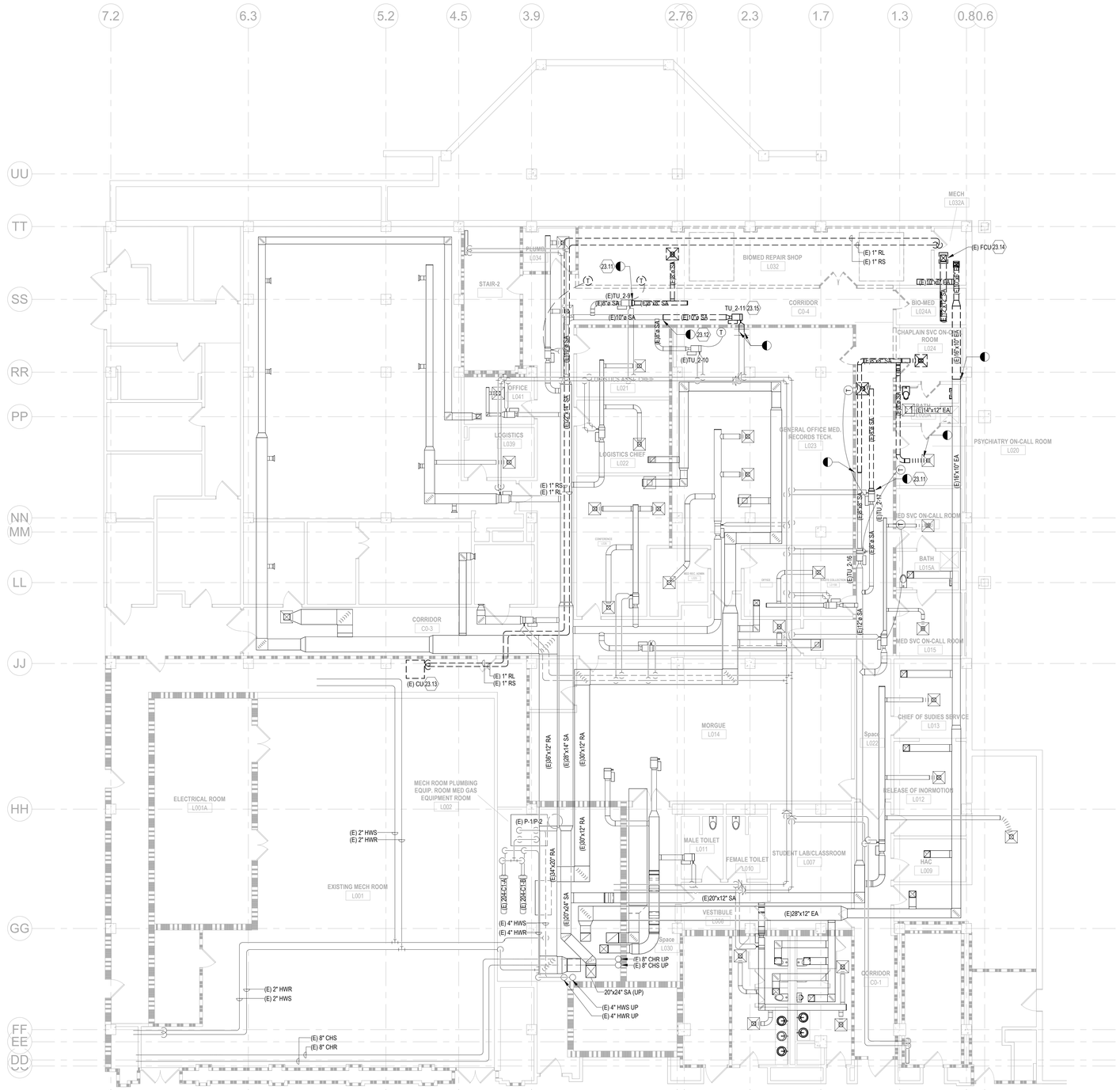


1 **MECHANICAL DEMOLITION PLAN GROUND FLOOR**
1/8" = 1'-0"

DRAWING NOTES:

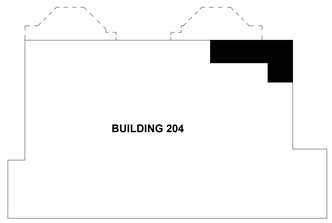
23.11 REMOVE DUCTWORK FROM VAV BOX AND ALL ASSOCIATED AIR DEVICES.

23.12 REMOVE DUCTWORK FROM THIS POINT AND CAP.

23.13 REMOVE EXISTING INDOOR CONDENSING UNIT LOCATED IN MECHANICAL TUNNEL. REMOVE ASSOCIATED PIPING, CONTROLS, AND POWER.

23.14 REMOVE EXISTING FAN COIL INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, CONTROLS, AND POWER.

23.15 REMOVE EXISTING VAV BOX INCLUDING ALL ASSOCIATED DUCTWORK, PIPING, AND CONTROLS.



KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL GROUND FLOOR DEMOLITION PLAN	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
Approved: Owner	FULLY SPRINKLERED	Location: MT, HOME, TENNESSEE	Building Number: 204
		Issue Date: 12/09/2024 · Checked: KF · Drawn: JV	Drawing Number: MD100

VA FORM 08 - 6231

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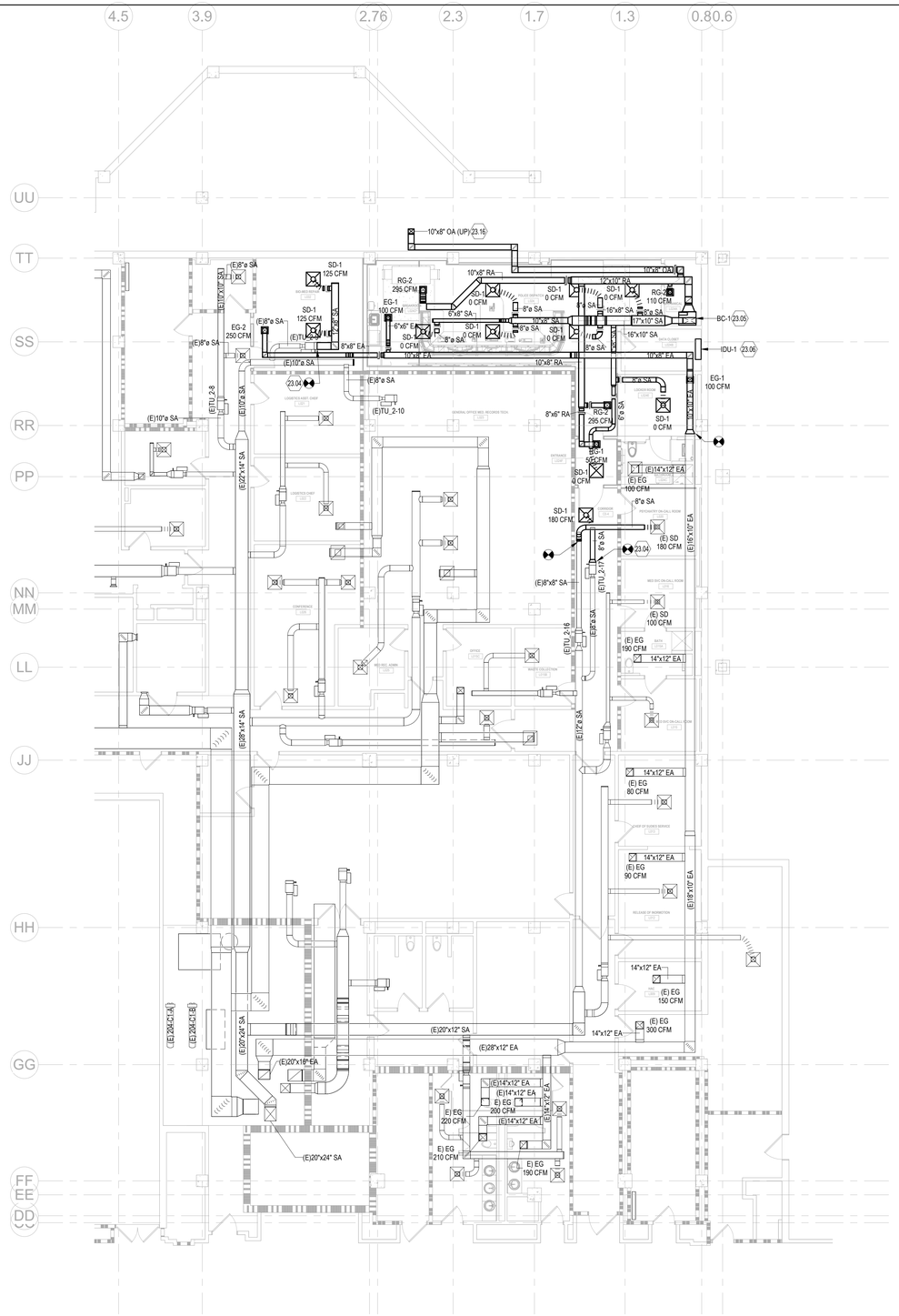


1 MECHANICAL HVAC PLAN GROUND FLOOR
1/8" = 1'-0"

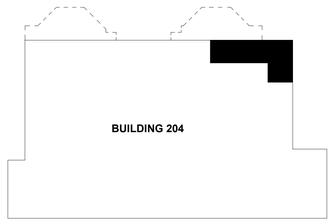
DRAWING NOTES:

23.04 CONNECT SUPPLY DUCTWORK TO EXISTING VAV BOX.

23.05 NEW HEATING AND COOLING BLOWER COIL.

23.06 NEW INDOOR UNIT TO PROVIDE COOLING TO TELECOMMUNICATION ROOM.

23.16 OA DUCTWORK ROUTED THROUGH THE WALL INTO CRAWL SPACE. DUCTWORK PENETRATES FLOORS ABOVE TO ROOF.



SCOPE OF WORK

BUILDING OUTLINE

FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

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12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL GROUND FLOOR HVAC PLAN

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT, HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: KF

Drawn: JV

Project Number: 621-23-104

Building Number: 204

Drawing Number: MH100

VA FORM 08 - 6231

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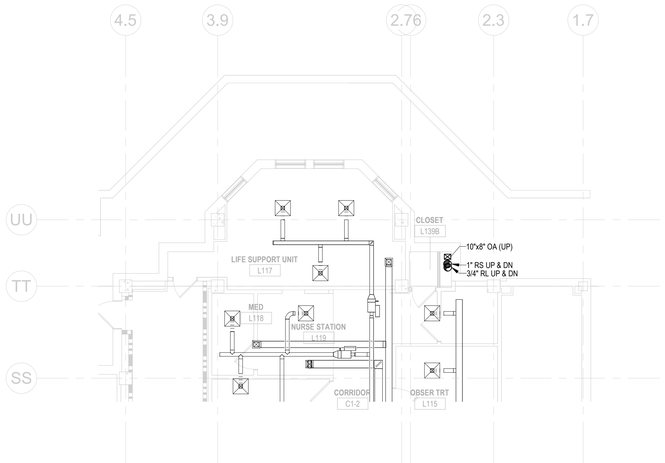
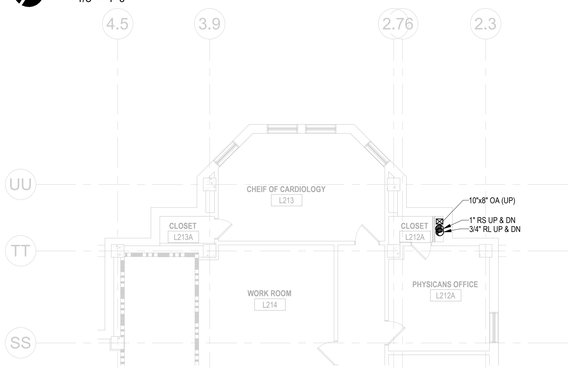
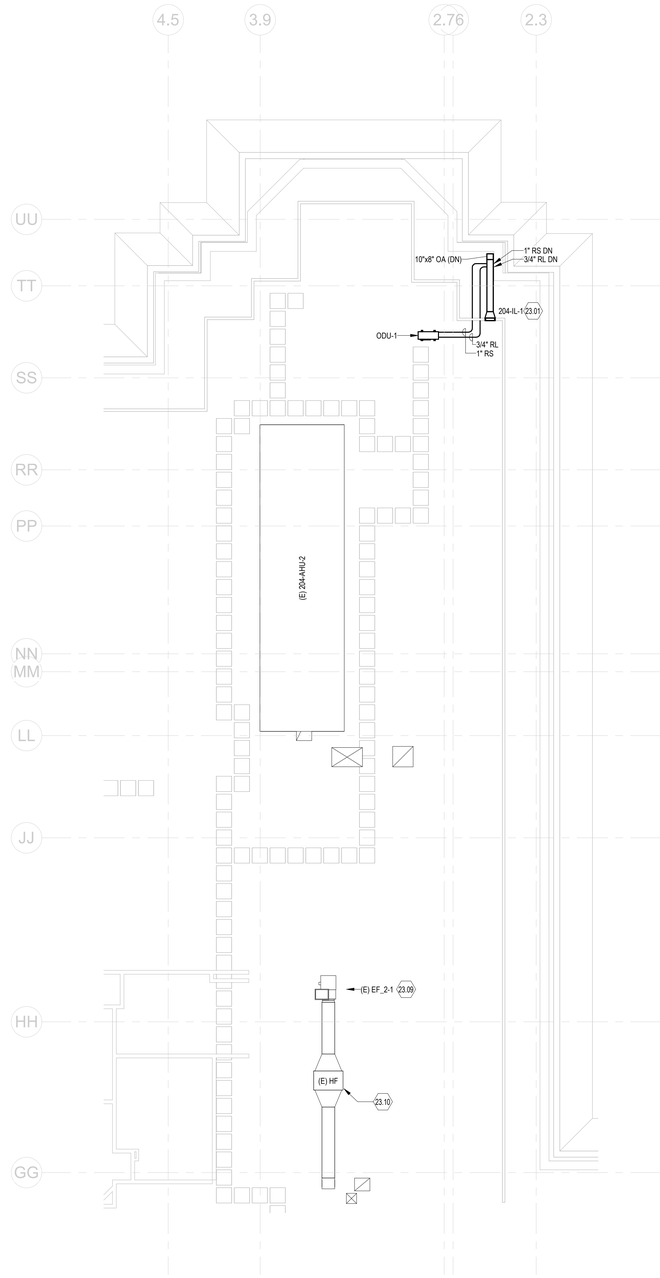


① MECHANICAL HVAC PLAN FIRST FLOOR
1/8" = 1'-0"



② MECHANICAL HVAC PLAN SECOND FLOOR
1/8" = 1'-0"



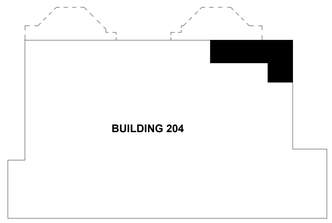
③ MECHANICAL HVAC PLAN ROOF.
1/8" = 1'-0"

DRAWING NOTES:

23.01 INSTALL WALL MOUNTED OUTSIDE AIR LOUVER.

23.09 REBALANCE EXISTING EXHAUST FAN TO AIRFLOW SHOWN ON SHEET M600.

23.10 EXISTING HEPA FILTER TO REMAIN.



NORTH

SCOPE OF WORK

BUILDING OUTLINE

FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

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STATE OF OHIO
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12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL FIRST AND SECOND FLOOR PLAN

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT, HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: KF

Drawn: JV

Project Number: 621-23-104

Building Number: 204

Drawing Number: MH101

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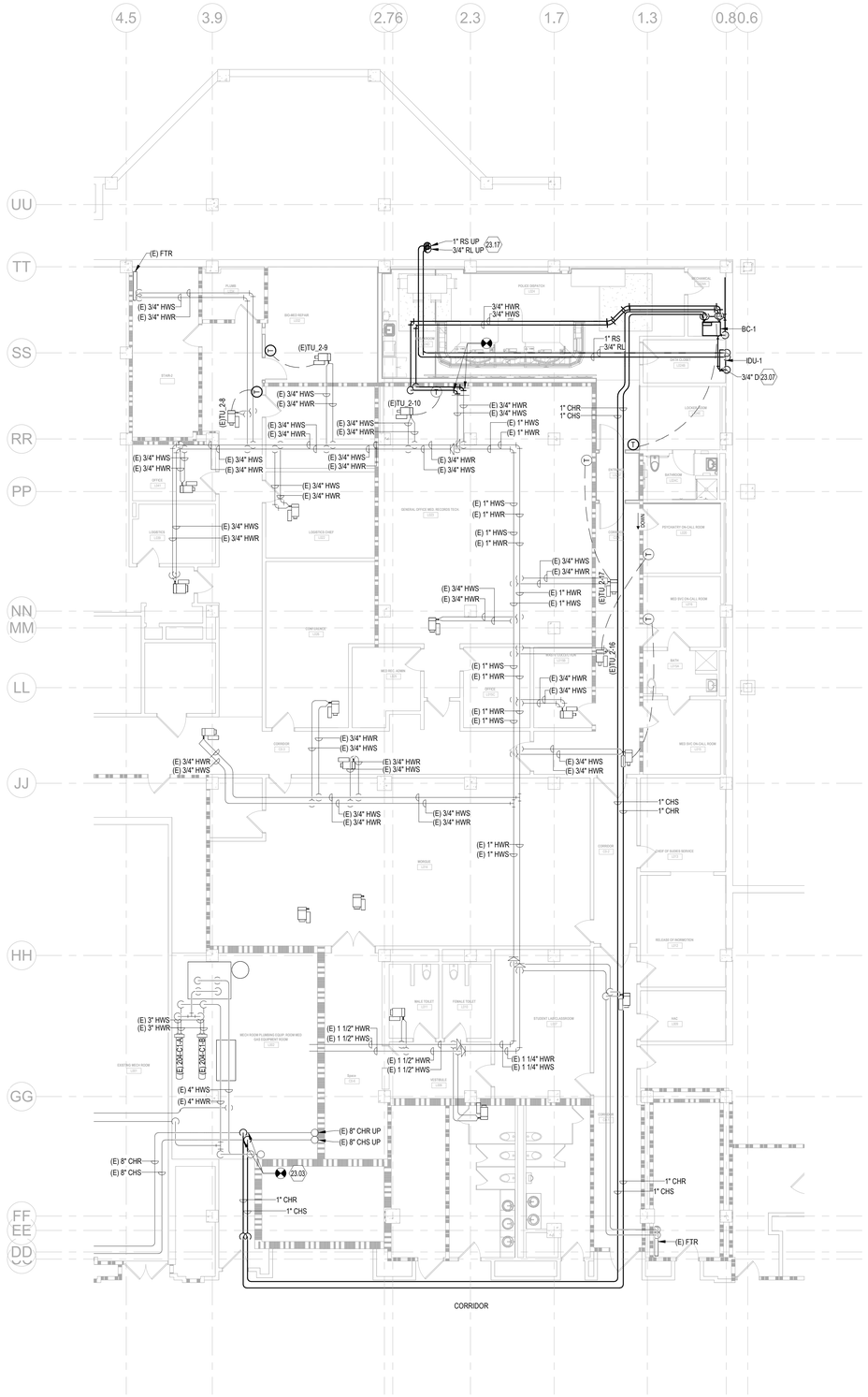
VA FORM 08 - 6231



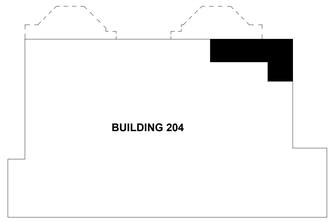
1 **MECHANICAL HVAC PLAN GROUND FLOOR**
1/8" = 1'-0"

DRAWING NOTES:

23.03 CONNECT TO EXISTING CHILLED WATER MAIN.

23.07 SLOPE CONDENSATE PIPING DOWN AT A 1/8TH OF AN INCH PER FOOT BACK TO NEAREST DRAIN.

23.17 REFRIGERANT PIPING THROUGH THE WALL INTO THE CRAWL SPACE. THE PIPING TO PENETRATE THE CEILING THROUGH FIRST AND SECOND FLOOR TO THE ROOF.



SCOPE OF WORK
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

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12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
MECHANICAL GROUND FLOOR PIPING PLAN	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT, HOME, TENNESSEE	Drawing Number
		Issue Date: 12/09/2024 · Checked: KF · Drawn: JV	MP100

VA FORM 08 - 6231

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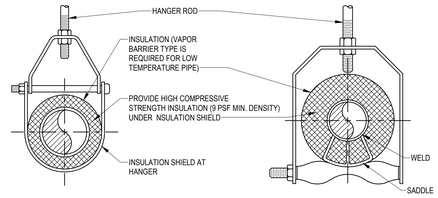
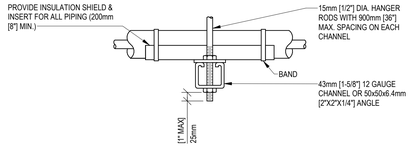


ADJUSTABLE CLEVIS HANGER TYPE 1 - SEE SPECIFICATIONS

ADJUSTABLE CLEVIS HANGER TYPE 43 - SEE SPECIFICATIONS

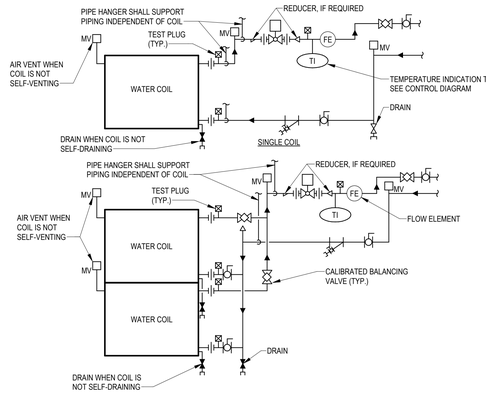


NOTE:
SEE SPECIFER FOR DETAILED HANGER REQUIREMENTS

SIDE VIEW TRAPEZE HANGER FOR UP TO 453KG [1000 LB.] UNIFORM LOAD

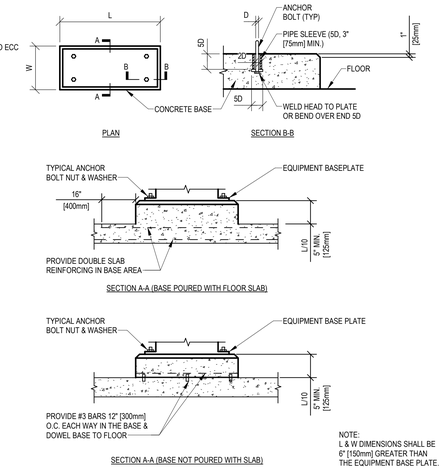
MAXIMUM PIPE/TUBING SUPPORT SPACING																			
NOM. SIZE	mm [IN]	THRU 20 [THRU 3/4]	25[1]	32 [1-1/4]	40 [1-1/2]	50 [2]	75 [3]	75 [3]	100 [4]	125 [5]	150 [6]	200 [8]	250 [10]	300 [12]	350 [14]	400 [16]	450 [18]	500 [20]	600 [24]
PIPE	mm [FT]	2100 [7]	2100 [7]	2100 [7]	2700 [9]	3000 [10]	3400 [11]	3700 [12]	4100 [14]	4900 [16]	5200 [17]	5800 [19]	6700 [22]	7000 [23]	7600 [25]	8200 [27]	8500 [28]	9100 [30]	9600 [32]
TUBING	mm [FT]	1500 [5]	1800 [6]	2100 [7]	2400 [8]	2400 [8]	2700 [9]	3000 [10]	3700 [12]	4000 [13]	4100 [14]	4900 [16]	- -	- -	- -	- -	- -	- -	- -
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.																			

1 PIPE HANGERS
NTS



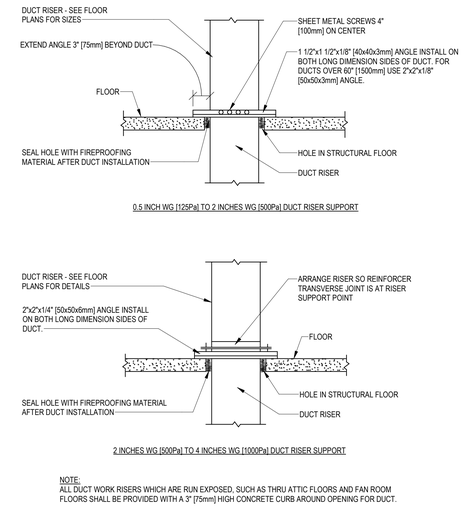
NOTES:
1. WHEN COIL IS INCLUDED IN CASING MOUNTED ON VIBRATION ISOLATORS THE FIRST 2 HANGERS FOR EACH PIPE SHALL BE SPRING & NEOPRENE TYPE. TYPE "H" FOR 100mm [4"]Ø PIPE & SMALLER. TYPE "H-P" FOR 125mm [5"]Ø PIPE & LARGER.
2. PIPING SHALL BE INSTALLED IN SUCH MANNER THAT IT WILL NOT BLOCK THE SWING OR USE OF ACCESS DOORS OR PANELS; NEITHER SHALL IT BLOCK THE SERVICING OF FILTERS, VALES, OR EQUIPMENT.
3. THE FLOW ELEMENT MAY BE INSTALLED IN THE SUPPLY PIPING IF THE REQUIRED MINIMUM UPSTREAM AND DOWNSTREAM DIMENSIONS CANNOT BE OBTAINED IN THE RETURN PIPING.

2 WATER COILS - PIPING CONNECTIONS
NTS



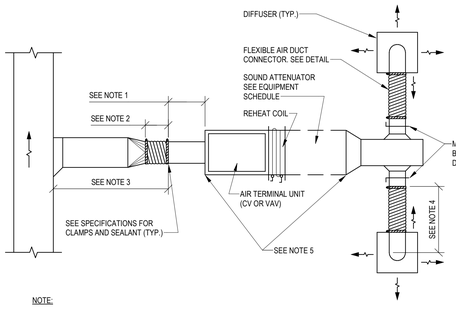
NOTE:
L & W DIMENSIONS SHALL BE 6" [150mm] GREATER THAN THE EQUIPMENT BASE PLATE.

3 CONCRETE EQUIPMENT BASES
NTS



NOTE:
ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THRU ATTIC FLOORS AND FAN ROOM FLOORS SHALL BE PROVIDED WITH A 3" [75mm] HIGH CONCRETE CURB AROUND OPENING FOR DUCT.

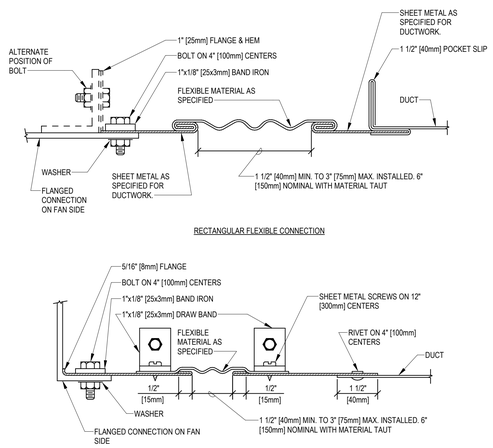
4 DUCT RISER SUPPORTS
NTS



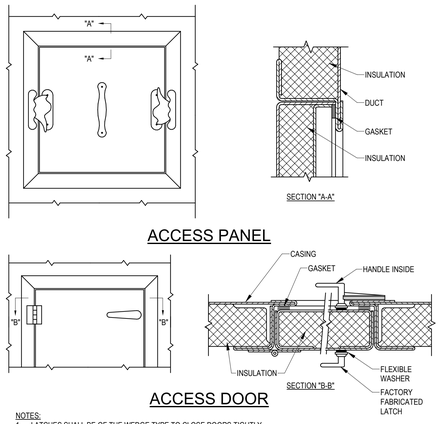
NOTE:

1. RIGID STRAIGHT TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF INLET.
2. A FLEXIBLE AIR DUCT CONNECTOR IS NOT MANDATORY FOR INLET TO THIS BOX, BUT ALLOWED TO ACCOMMODATE MINOR OFFSETS. MAXIMUM LENGTH 3'-0" [900mm].
3. A BRANCH DUCT SERVING AN INDIVIDUAL BOX MAY BE THE SAME SIZE AS THE BOX INLET, PROVIDED THE EQUIVALENT LENGTH OF THE BRANCH DUCT, AS SHOWN, DOES NOT EXCEED 10 FEET (3 METERS). FOR LONGER LENGTHS, INCREASE THE DUCT SIZE AND PROVIDE A DUCT TRANSITION TO MAINTAIN THE DUCT STATIC PRESSURE DROP AT OR BELOW 0.2"/100' [1.64Pa/m].
4. FLEXIBLE AIR DUCT CONNECTORS, WHEN USED FROM TERMINAL UNIT SUPPLY AIR DUCT TO DIFFUSER, SHALL NOT EXCEED 5'-0" [1500 mm]. USE RIGID ELBOWS FOR CHANGE OF DIRECTION GREATER THAN 45°.
5. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION W/VAPOR BARRIER FOR CONNECTING DUCT SECTIONS.
6. USE OF THE FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED AHU SERVING THE SURGICAL SUITE.

5 DUCT CONNECTIONS - AIR TERMINAL UNITS
NTS

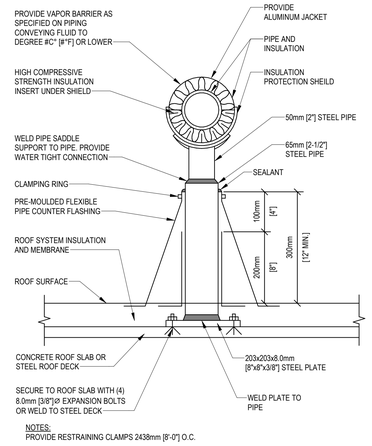


6 FLEXIBLE DUCT CONNECTIONS
NTS

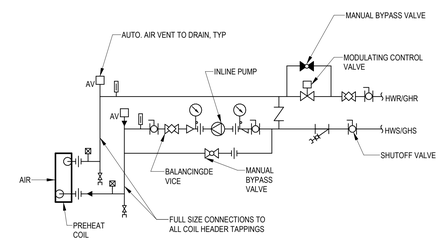


NOTES:
1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
3. SEE SMACNA 2005, FIGURE 9-15

7 ACCESS PANEL AND DOOR DETAIL
NTS

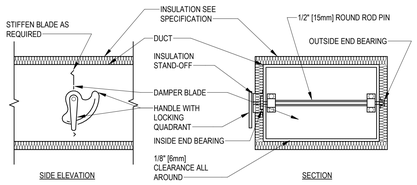


8 DETAIL FOR SUPPORTING PIPE ON ROOF
NTS



NOTE:
SIZE AND SELECT COIL FOR PARALLEL FLOW AND MINIMUM TUBE WATER VELOCITY OF .91 M/S [3.0 FPS].

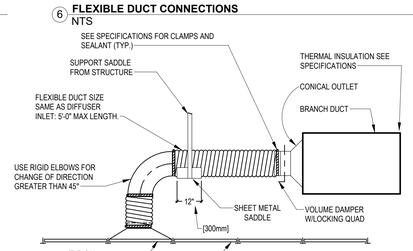
9 PREHEAT COIL (HOT WATER) - PIPING CONNECTIONS
NTS



NOTE:

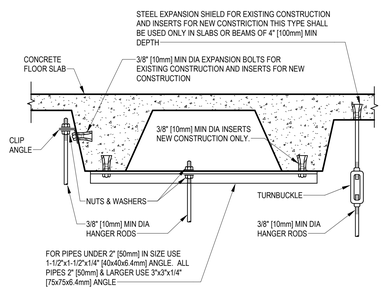
1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.
3. SEE GENERAL NOTES ON MECHANICAL NEW WORK SHEETS REGARDING VOLUME DAMPER LOCATIONS AND ABOUT REMOTE ADJUSTMENT DEVICE OPTION FOR INACCESSIBLE CEILINGS.

10 VOLUME DAMPER DETAIL
NTS

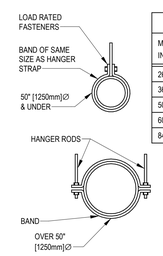


NOTE:
THE USE OF FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED AHU SERVING THE SURGICAL SUITE.

11 FLEXIBLE AIR DUCT CONNECTOR
NTS



12 SECURING HANGER RODS IN CONCRETE
NTS



HANGER STRAPS OR RODS			
MAX. DUCT Ø IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]
26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3600]
36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3600]
50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3600]
60 [1500]	TWO 3/8 [10]Ø. RODS	1320 [598]	144 [3600]
84 [2100]	TWO 1/2 [13]Ø RODS	2500 [1133]	144 [3600]

NOTE:
TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

13 ROUND DUCT HANGERS
NTS

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STATE OF OHIO
ALAN KENNEDY FITZGERALD
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12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL DETAILS

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

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Project Title: RELOCATE POLICE DISPATCH

Location: MT, HOME, TENNESSEE

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Project Number: 621-23-104

Building Number

Drawing Number: M500

VA FORM 08 - 6231

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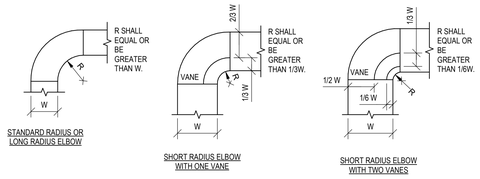
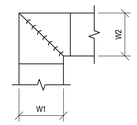


NOTE:

1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

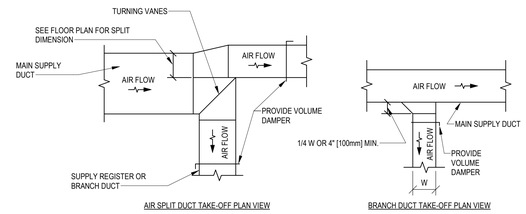
1 **DUCTWORK RADIUS ELBOWS**
NTS



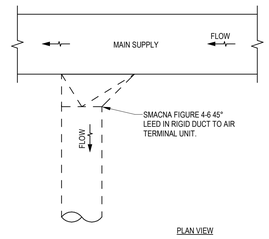
NOTE:

1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" [50mm] RADIUS, 1 1/2" [40mm] MAXIMUM SPACE BETWEEN VANES AND A 3/4" [20mm] TRAILING EDGE.
4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" [500mm] VANES SHALL BE DOUBLE VANE TYPE.

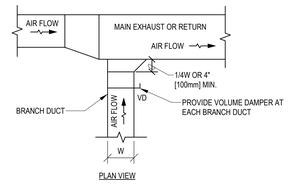
2 **DUCTWORK SQUARE VANE ELBOWS**
NTS



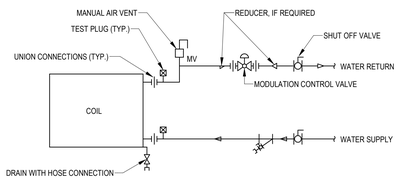
3 **SUPPLY DUCTWORK TAKE-OFFS**
NTS



4 **ALTERNATE SUPPLY DUCT TAKEOFF - AIR TERMINAL UNITS**
NTS



5 **EXHAUST OR RETURN BRANCH DUCTWORK**
NTS



6 **TERMINAL UNIT WATER COILS - PIPING CONNECTIONS**
NTS

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STATE OF OHIO
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12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL DETAILS

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

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Project Title: RELOCATE POLICE DISPATCH

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FOUR PIPE BLOWER COIL UNIT SCHEDULE

MARK	LOCATION	TYPE	FAN AIR FLOW		EXTERNAL APD		COOLING REQUIREMENTS														HEATING REQUIREMENTS										FILTER	FAN MOTOR						
							MIN SENS CAPACITY		MIN TOTAL CAPACITY		EAT				FLOW		EWT		WPD		RUNOUT SIZE		MIN CAPACITY		EAT Db		FLOW		EWT		WPD		RUNOUT SIZE			POWER		PHASE	VOLT	RPM	SPEED CONTROL	REMARKS
											Db		Wb																												
			CFM	[L/s]	IN WG	[Pa]	BTUH	[W]	BTUH	[W]	°F	[°C]	°F	[°C]	GPM	[L/s]	°F	[°C]	FT	[kPa]	IN	[mm]	BTUH	W	°F	[°C]	GPM	[L/m]	°F	[°C]	FT	[kPa]	IN	[mm]	MERV RATING	HP	[W]					
204-BC-1	L024A	VERTICAL	1050	[500]	1	[250]	18170	[5300]	18700	[5500]	80	[27]	67	[19]	1.69	[22]	42	[6]	0.61	[2]	1	[25]	19800	[5800]	45	[7]	0.5	[2]	180	[82]	0.09	[ ]	1	[25]	8, 13	1	[750]	3	208	1669	ECM	---

NOTES

MANUAL SPEED CONTROL WITH A DIAL SWITCH.

SPLIT SYSTEM AIR CONDITIONER HEAT PUMP SCHEDULE

MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	TOTAL SUPPLY AIR FLOW		MIN. OUTSIDE AIR FLOW		EXT STATIC PRESSURE		COOLING CAPACITY										ELECTRICAL DATA									REMARKS
										MIN TOTAL CAPACITY		MIN SENS CAPACITY		MIN SEER	EAT				OSA DESIGN TEMP		INDOOR FAN			OUTDOOR UNIT FAN			MCA	PHASE	VOLT	
															Db		Wb														
				CFM	[L/s]	CFM	[L/s]	IN	[Pa]	MBH	[kW]	MBH	[kW]		°F	[°C]	°F	[°C]	°F	[°C]	HP	[W]	CONTROL	HP	[w]	CONTROL				
ODU-1 / IDU-1	L024B	POLICE DISPATCH	DUCTLESS HEAT PUMP	565-705	[267-332]	0	[ ]	N/A	N/A	30	[100]	20.7	[6]	19.6	90.5	[33]	71.8	[22]	[47]	[8]	0.067	[50]	AUTO SPEED ADJ.	0.42	[310]	ADJUSTABLE	15 / 1	1	208/230	-----

NOTES:

1. PROVIDE WALL MOUNTED REMOTE CONTROLLER.
2. OPERATING RANGE -4 TO 122 F OUTDOOR DRY BULB IN COOLING MODE, -4 TO 86 F OUTDOOR DRYBULB IN HEATING MODE.
3. PROVIDE INDOOR UNIT WITH BUILT IN DRAIN PUMP THAT HAS LIFT OF 36".

LOUVER SCHEDULE

MARK	LOCATION	SYSTEM AND/OR SERVICE	TYPE	APPLICATION	THROAT SIZE		AIR FLOW		APD		DAMPER TYPE	REMARKS
					IN	[mm]	CFM	[L/s]	IN	[Pa]		
204-IL-1	ROOF	204-BC-1	INTAKE	DUCTED	16 x 14	[406 x 355]	300	[140]	0.06	[15]	BALANCING	----

FAN SCHEDULE

MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	AIR FLOW		TSP		FAN								MOTOR ELECTRICAL							CONTROL SEQUENCE	REMARKS
								TYPE	WHEEL	CLASS	ARRANGEMENT, ROTATION, AND DISCHARGE	DIAMETER		MIN % EFF	DRIVE	FAN MAX RPM	NOMINAL POWER			PHASE	VOLT	RPM	SPEED CONTROL		
												IN	[mm]				BHP	HP	[kW]						
				CFM	[L/s]	IN	[Pa]																		
(E)EF2-1	ROOF	BASEMENT	1-AHU1	2040	[960]	1	[250]	BLENDING VENTILATORS	BIW	II	UPBLAST	16.5	[410]	75%	BELT	1165	0.48	0.50	[.4]	3	208	1750	NONE		---

NOTE

ALL SELECTIONS ARE BASED ON AN ALTITUDE OF 1634 FT.

SINGLE DUCT AIR TERMINAL UNIT SCHEDULE

MARK	LOCATION	AREA AND/OR ROOM SERVED	SYSTEM AIR HANDLING	DUCT INLET SIZE		AIR FLOW				ADDITIONAL SOUND ATTUNATION REQUIRED	CONTROL TYPE	CONTROL SEQUENCE	HOT WATER REHEAT														REMARKS
						MAX		MIN					EAT		EWT		FLOW		MAX WPD	PIPE RUNOUT SIZE TO COIL		HEATING AIRFLOW		MINIMUM CAPACITY		
				IN	[mm]	CFM	[L/s]	CFM	[L/s]				°F	[°C]	°F	[°C]	GPM	[L/m]	FT	[kPa]	IN	[mm]	CFM	[L/s]	MBH	[kW]	
(E)TU_2-9	L032	L032	204-AHU-2	6	[150]	210	[99]	65	[31]	NONE	VAV	5 DEGREE DEADBAND	55	[13]	180	[82]	0.75	[3]	0.38	[1]	0.75	[19]	110	[52]	5.5	[19]	----
(E)TU_2-17	C-01	C-01	204-AHU-2	6	[150]	180	[85]	65	[31]	NONE	VAV	5 DEGREE DEADBAND	55	[13]	180	[82]	0.5	[2]	0.19	[1]	0.75	[19]	100	[47]	4.8	[16]	----

AIR FILTER SCHEDULE

MARK	LOCATION	AREA AND/OR BLDG SERVED	SYSTEM AND/OR SERVICE	MERV RATING	AIR FLOW		APD				HOUSING TYPE	SIZE		ARRANGEMENT	REMARKS
							INITIAL		CHANGEOVER						
					CFM	[L/s]	IN	[mm]	IN	[mm]		IN	[mm]		
204-PF-1	L024A	POLICE DISPATCH	204-BC-1	8	1000	[470]	0.15	[4]	0.75	[19]	SIDE	12 x 12 x 2 12 x 24 x 2	[300 x 300 x 50] [300 x 600 x 50]	-----	-----
204-AF-1	L024A	POLICE DISPATCH	204-BC-1	13	1000	[470]	0.25	[6]	1	[25]	SIDE	12 x 12 x 2 12 x 24 x 2	[300 x 300 x 50] [300 x 600 x 50]	-----	-----

AIR DEVICE SCHEDULE (RETURN)

MARK	TYPE	AIR FLOW				MAX APD		MOUNTING	PANEL/FRAME SIZE		NECK SIZE		NC	DAMPER	FINISH	REMARKS
		MIN		MAX												
		CFM	[L/s]	CFM	[L/s]	IN WG	[Pa]		IN x IN	[mm x mm]	IN x IN	[mm x mm]				
RG-1	PERFORATED	50	[24]	295	[140]	0.100	25.000	CEILING	12 x 12	[300 x 300]	8 x 8	[203 x 203]	20	NONE	WHITE	-----
EG-1	PERFORATED	100	[47]	250	[120]	0.075	19.000	CEILING	12 x 12	[300 x 300]	8 x 8	[203 x 203]	--	NONE	WHITE	-----

NOTE

PROVIDE SQUARE TO ROUND ADAPTER.

AIR DEVICE SCHEDULE (SUPPLY)

MARK	TYPE	AIR FLOW				MAX APD		MOUNTING	PANEL/FRAME SIZE		NECK SIZE		NC	DAMPER	FINISH	REMARKS
		MIN		MAX												
		CFM	[L/s]	CFM	[L/s]	IN WG	[Pa]		IN x IN	[mm x mm]	IN	[mm]				
SD-1	LOUVERED FACE	100	[47]	180	[85]	0.080	[20]	CEILING	24 x 24	[600 x 600]	6 ø	[152 ø]	22	NONE	WHITE	----

NOTES

1. SEE FLOOR PLAN FOR THROW PATTERN.
2. SEE DETAIL FOR DAMPER IN BRANCH DUCT SERVING EACH DIFFUSER.
3. PROVIDE SQUARE TO ROUND ADAPTER.

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ARCHITECT/ENGINEER OF RECORD

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STATE OF OHIO KENNETH T. FITZGERALD E-75662 REGISTERED PROFESSIONAL ENGINEER 12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL SCHEDULES

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Phase: CONSTRUCTION DOCUMENTS 100%

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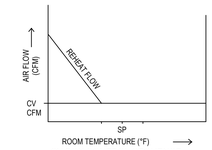
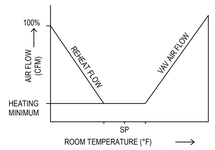


CV BOX CONTROL SEQUENCE

W/DEADBAND

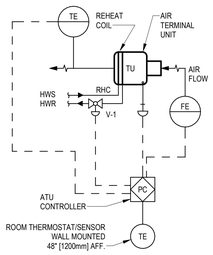
A. SET POINTS SHALL BE SET AS FOLLOWS:
COOLING 75°F (ADJ)
HEATING 70°F (ADJ)
DEADBAND OF 5°F BETWEEN HEATING AND COOLING SET POINTS WILL BE MAINTAINED.
B. UPON FALL IN SPACE TEMPERATURE BELOW SET POINT VALVE V-1 WILL MODULATE TO MAINTAIN SET POINT ± .5°F, THE ADJUSTABLE TOLERANCE OF ± .5° F HAS BEEN SELECTED TO PREVENT VALVE HUNTING.
C. THE REVERSE SHALL OCCUR ON RISE IN SPACE TEMPERATURE.



VAV BOX CONTROL SEQUENCE

W/DEADBAND

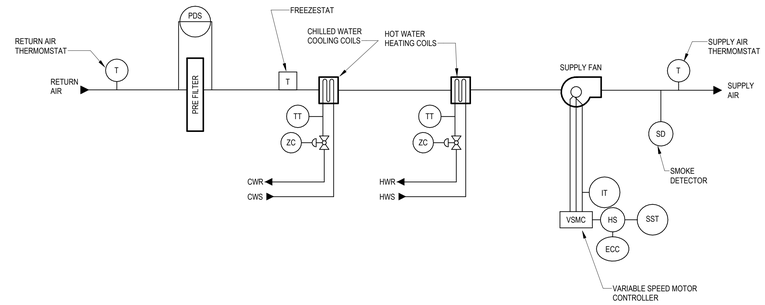
A. SET POINTS SHALL BE SET AS FOLLOWS:
COOLING 75°F (ADJ)
HEATING 70°F (ADJ)
DEADBAND OF 5°F BETWEEN HEATING AND COOLING SET POINTS WILL BE MAINTAINED.
B. UPON FALL IN SPACE TEMPERATURE THE VAV DAMPER WILL MODULATE TO MINIMUM POSITION.
C. UPON FURTHER DROP IN SPACE TEMPERATURE VALVE V-1 WILL MODULATE TO MAINTAIN SET POINT ± .5°F. THE ADJUSTABLE TOLERANCE OF ± .5°F HAS BEEN SELECTED TO PREVENT VALVE HUNTING.
D. THE REVERSE SHALL OCCUR ON THE RISE IN SPACE TEMPERATURE.



NO SUPPLEMENTAL HEATING

CONSTANT AND VAIRABLE VOLUME AIR TERMINAL UNIT CONTROL DIAGRAM
1 NTS

AIR TERMINAL WITH REHEAT	Hardware Points				Software Points						
Point Name	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Airflow	x								x		x
Discharge Air Temperature	x								x		x
Room Temperature	x								x		x
Zone Damper		x							x		
Heating Vavle		x							x		
Room Temperature Setpoint					x				x		x
Airflow Setpoint					x				x		x
Schedule								x			
Totals	**3**	**2**	**0**	**0**	**2**	**0**	**0**	**1**	**7**	**0**	**5**
	Total Hardware (5)				**Total Software (10)**						



BLOWER COIL DIAGRAM
2 NTS

BLOWER COIL SEQUENCE OF OPERATION: BC-1

GENERAL
THE BLOWER COIL UNIT SHALL BE CONTROLLED WITH DIRECT DIGITAL CONTROL ACCORDING TO THE FOLLOWING SEQUENCES.

WHEN THE UNIT IS "OFF", THE OUTSIDE AIR DAMPER SHALL BE FULLY CLOSED. WHEN THE UNIT IS "ON", THE OUTSIDE AIR DAMPER SHALL BE SET TO THE MINIMUM OUTDOOR AIR POSTION DETERMINED BY THE TEST AND BALANCE CONTRACTOR.

ALL SETPOINTS SPECIFIED IN THIS SEQUENCE SHALL BE ADJUSTABLE.

FAN OPERATION
THE SUPPLY FAN SHALL BE CONTROLLED BY A "ON/OFF" SWITCH. SPEED OF THE FAN SHALL BE CONTROLLED WITH A SWITCH THAT SAYS "HIGH", "MEDIUM", "LOW", AND "AUTO".

TEMPERATURE CONTROL
THE BLOWER COIL SHALL ENTER " HEATING MODE" WHENEVER THE TEMPATURE OF THE ROOMS DROPS BELOW 70 DEG F.

IN HEATING MODE, THE HEATER WILL TURN "ON" AND PROCEED TO HEAT THE AIR UNITL ROOM TEMPATURES REACH 75 DEG F.

ALARMS
SEND ALARM TO THE OPERATOR WORKSTATION UPON FAILURE OF THE SUPPLY FAN. THE SUPPLY FAN SHALL BE STARTED/STOPPED MANUALLY AT THE DIGITAL CONTROL PANEL OR THE STARTER BY-PASS. THE FAN SHALL OPERATE AT CONSTANT SPEED.

SEND ALARM TO THE OPERATOR WORKSTATION UPON CONDENSATE OVERFLOW.

BC-1	Hardware Points				Software Points						
Point Name	AI	AO	BI	BO	AV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Preheat Leaving Air Temp	x								x		x
Supply Air Static Pressure	x								x	x	x
Supply Air Temp	x								x		x
Supply Airflow	x								x		x
Preheating Coil Leaving Air Temp	x								x		x
Preheating Coil Leaving Water Temp	x								x		x
Preheating Coil Heating Hot Water Flow	x								x		x
Cooling Coil Leaving Air Temp	x								x		x
Cooling Coil Leaving Water Temp	x								x		x
Cooling Coil Chilled Water Flow	x								x		x
Cooling Valve		x							x		x
Heating Valve		x							x		x
Freezestat			x						x	x	x
Supply Air Smoke Detector			x						x	x	x
Preheating Supply Air Temp Setpoint					x				x		x
Supply Air Static Pressure Setpoint					x				x		x
Supply Air Temp Setpoint					x				x		x
Schedule								x			
Return Air Temperature	x								x		x
Return Airflow	x								x		x
MERV 8 Pre Filter Change Required										x	x
MERV 13 Pre Filter Change Required										x	x
Fan # Speed (RPM)	x				x						x
Fan # Voltage Input	x				x						x
Fan # Current	x				x						x
Fan # Watts	x				x						x
Fan # Operating Hours	x				x						x
Fan # Error						x				x	
Fan # Warning						x				x	
Totals	**17**	**2**	**2**	**0**	**8**	**2**	**0**	**1**	**19**	**7**	**26**
	Total Hardware (21)					**Total Software (37)**					

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CONSULTANT

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MT HOME, VA MEDICAL CENTER

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MOTOR & EQUIPMENT SCHEDULE

NOTES:

	MOTOR						STARTER				DISCONNECT						CONTROLS			FEEDER				
MOTOR ID	DESCRIPTION	VOLTAGE	POLES	CURRENT	LOAD (KVA)	HORSEPOWER	NEMA TYPE	TYPE	LOCATION	FURNISHED BY DIV.	TYPE	NEMA TYPE	DISC SIZE	FUSE SIZE	LOCATION	FURNISHED BY DIV.	TYPE	FURNISHED BY DIV.	SEE NOTE	NUMBER OF CONDUCTORS	WIRE SIZE	GROUND SIZE	CONDUIT SIZE	SEE NOTE
204-BC-1	MOTOR	208 V	3	4.6 A	1.66	1.0 hp		EC MOTOR	INTEGRAL	23	SWITCH	1	30		NEAR MOTOR	26	SWITCH	23		3	#12	#12	3/4"	
ODU-2	MOTOR	208 V	2	4.9 A	1.02	0.4 hp		EC MOTOR	INTEGRAL	23	SWITCH	1	30		NEAR MOTOR	26	SWITCH	23		2	#12	#12	3/4"	

LIGHTING FIXTURE SCHEDULE

IMAGE	TYPE	DESCRIPTION	LOAD (VA)	LAMP(S)	LUMINOUS FLUX	COLOR TEMP.	CRI	MOUNTING S-SURFACE R-RECESSED CH-CHAIN HUNG P-PENDANT
	A1	2' X 2' BACKLIT LED PANEL LIGHT WITH ALUMINUM FRAME AND WHITE PAINT. 0-10V DIMMABLE LED DRIVER. 120-277V.	40	LED	4000 lm	3500 K	80	R
	C1	6" WET LOCATION LISTED CAN LIGHT WITH GALVANIZED STEEL FRAME. 0-10V DIMMABLE LED DRIVER. 120-277V.	32	LED	1380 lm	3200 K	90	R
	S1	4' X 5.5" CHAIN HUNG LED STRIP LIGHT WITH POLYCABONATE HOUSING, FROSTED POLYCARBONATE LENS, AND STAINLESS STEEL LATCHES. 0-10V DIMMABLE LED DRIVER. 120-277V.	24	LED	3000 lm	3500 K	80	CH
	S2	4' X 5.5" WALL MOUNTED LED STRIP LIGHT WITH POLYCABONATE HOUSING, FROSTED POLYCARBONATE LENS, AND STAINLESS STEEL LATCHES. 0-10V DIMMABLE LED DRIVER. 120-277V.	24	LED	3000 lm	3500 K	80	S
	V1	2' X 4.7" CURVED FASCIA WALL MOUNTED VANITY LED FIXTURE WITH ALUMINUM BODY, DIE-FORMED FASCIA COVERS, AND STEEL MOUNTING CLIPS. 0-10V DIMMABLE LED DRIVER. 120-277V.	19	LED	274 lm	3500 K	80	S
	X1	SINGLE FACE EDGE-LIT EXIT SIGN WITH RED LETTERS. ALUMINUM HOUSING WITH CLEAR PANEL. NICKEL-CADMIUM EMERGENCY BATTERY WITH 90 MINUTES CAPACITY TO LAMP. 120/277V.	4	LED	1380 lm	3200 K	90	S

OUTPUT → / INPUT DEVICE ↓	1. SOUND GENERAL BUILDING ALARM FOR OTHER AND HIGH RISE (NON-HEALTH CARE).	2. NOTIFY NECESSARY STAFF FOR RESPONSE FOR HEALTH CARE, AMBULATORY HEALTH CARE AND DETENTION (DELAY MAY BE DIFFERENT OF DIFFERENT FLOORS).	3. NOTIFY FIRE DEPARTMENT.	4. INITIATE SUPERVISORY SIGNAL TO A 24-HOUR MANNED POINT FOR IMMEDIATE RESPONSE.	5. CLOSE ASSOCIATED SMOKE BARRIER DOORS OUTSIDE ROOM.	6. CLOSE DAMPERS ON FAN PROXIMATE TO DETECTOR.	7. SHUT DOWN AIR HANDLER SERVED BY THE DETECTOR.	8. RECALL ELEVATOR	9. INITIATE ELEVATOR SHUT DOWN AND DISCONNECT ELEVATOR POWER.	10. OPEN LOCK EGRESS DOOR ON FLOOR OF FIRE ORIGIN.	11. DISCONNECT FUEL SOURCE FROM COOKING EQUIPMENT.
AREA SMOKE DETECTOR	X	X	X							X	

LIGHTING

- A1 — 1' x 4' LAYIN LED FIXTURE. UPPERCASE INDICATES TYPE PER THE FIXTURE SCHEDULE. LOWER CASE LETTER "a" INDICATES SWITCH ZONE.
- A2 — 2' x 4' LED LAYIN FIXTURE.
- A3 — 2' x 2' LED LAYIN FIXTURE.
- WALL MOUNTED FIXTURE OR SURFACE MOUNTED FIXTURE.
- WALL MOUNTED FIXTURE.
- RECESSED FIXTURE, DOWNLIGHT
- SINGLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED
- DOUBLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED
- SINGLE FACE EXIT SIGN WITH TWIN EMERGENCY HEADS. 90 MIN. BATTERY
- EMERGENCY LIGHT FIXTURE. 90 MIN. BATTERY. PROVIDE HI CAPACITY BATTERY WHERE REMOTE HEADS ARE REQUIRED.
- POLE LIGHT
- BOLLARD LIGHT FIXTURE.

LIGHTING CONTROLS

- $a — 20 AMP, 125 VOLT SINGLE-POLE TOGGLE SWITCH MOUNTED 44" AFF. a - CONTROLS LIGHTS WITH "a" DESIGNATION
- $2 — DOUBLE-POLE, 20 AMP, 125 VOLT TOGGLE SWITCH MOUNTED 44" AFF.
- $3 — 3-WAY, 20 AMP, 125 VOLT TOGGLE SWITCH MOUNTED 44" AFF.
- $4 — 4-WAY, 20 AMP, 125 VOLT TOGGLE SWITCH MOUNTED 44" AFF.
- $OS — WALL MOUNTED OCCUPANCY SENSOR WITH OVERRIDE SWITCH.
- $D — 20A, 125V DIMMER SWITCH MOUNTED 42" AFF. 0-10V CONTROL.
- $P — 20 AMP, 125 VOLT SINGLE-POLE TOGGLE PILOT LIGHT SWITCH MOUNTED 44" AFF.
- $M — 20 AMP, 125 VOLT MOTOR RATED SWITCH.
- OS — CEILING MOUNTED OCCUPANCY SENSOR, VACANCY SENSOR
- DS — CEILING MOUNTED DAYLIGHT SENSOR
- LC# — LIGHTING CONTROLLER
- PC — PHOTOCELL

POWER

- FLUSH FLOOR MOUNTED NEMA 5-20R DUPLEX RECEPTACLE UNLESS NOTED OTHERWISE
- FLUSH FLOOR MOUNTED NEMA 5-20R QUAD RECEPTACLE UNLESS NOTED OTHERWISE
- NEMA 5-20R DUPLEX RECEPTACLE MOUNTED 18" AFF UNLESS NOTED OTHERWISE
- WP/GF — SUBSCRIPT: WP - WEATHERPROOF, GF - GROUND FAULT CIRCUIT INTERRUPTER, T - TAMPER RESISTANT
- NEMA 5-20R DOUBLE DUPLEX RECEPTACLE MOUNTED 18" AFF UNLESS NOTED OTHERWISE
- NEMA 5-20R DUPLEX RECEPTACLE MOUNTED 44" AFF UNLESS NOTED OTHERWISE
- 6-30R — RECEPTACLE, (NEMA CONFIGURATION AS NOTED)
- NEMA 5-20R DUPLEX RECEPTACLE WITH USB CHARGER MOUNTED 18" AFF UNLESS NOTED OTHERWISE
- NEMA 5-20R DUPLEX SPLIT RECEPTACLE MOUNTED 18" AFF UNLESS NOTED OTHERWISE
- NEMA 5-20R SIMPLEX RECEPTACLE MOUNTED 18" AFF UNLESS NOTED OTHERWISE
- JUNCTION BOX
- POWER CONNECTION
- MOTOR
- NON-FUSED DISCONNECT SWITCH. SIZE SHOWN AS INDICATED OR IN THE MOTOR SCHEDULE
- FUSED DISCONNECT SWITCH. 30A/30F - 30A DISCONNECT, 30A FUSE
- COMBINATION STARTER
- SURFACE MOUNTED PANELBOARD.
- RECESSED MOUNTED PANELBOARD

WIRING

- UNDERGROUND
- CONCEALED OR OPEN
- FLEXIBLE CONDUIT CONNECTION
- UE — UNDERGROUND ELECTRICAL LINE. - UE, PRIMARY, SECONDARY, COMM, TELE
- UTILITY POLE
- S — SECTIONALIZER CABINET
- T — PAD MOUNTED TRANSFORMER
- MH, MH-1 — ELECTRICAL HANDHOLE

SINGLE-LINE DIAGRAM

- 12,100A — FAULT CURRENT AT THIS POINT. SYM - SYMMETRICAL FAULT CURRENT
- PANELBOARD
- TRANSFORMER 2500kVA 480Y/277V
- CT / METER
- CURRENT TRANSFORMER
- CIRCUIT BREAKER
- DRAW OUT CIRCUIT BREAKER
- SPD - SURGE PROTECTIVE DEVICE
- DISCONNECT SWITCH
- FUSE CUT OUT
- MEDIUM VOLTAGE FUSE
- LOW VOLTAGE FUSE
- POTHEAD
- STRESSCONE
- LIGHTNING ARRESTER
- Δ–Y — DELTA-WYE CONNECTION
- K — KIRT KEY - INTERLOCK

EMERGENCY LIGHTING

- 2' x 4' FIXTURE. SOLID FILL INDICATES FIXTURE ON LIFE SAFETY OR EMERGENCY CIRCUIT. (WHERE GENERATOR POWER IS NOT AVAILABLE PROVIDE A UNIT BATTERY AT 1400 LM)
- 2' x 4' FIXTURE. DIAGONAL FILL INDICATES FIXTURE ON CRITICAL CIRCUIT.

FIRE ALARM

- FACP — FIRE ALARM CONTROL PANEL
- FAA — FIRE ALARM ANNUNCIATOR PANEL
- F — FIRE ALARM STROBE
- F — FIRE ALARM SENDING STATION. 44" AFF.
- F — FIRE ALARM SPEAKER/STROBE. 80" MH.
- F — FIRE ALARM CHIME/STROBE. 80" MH.
- F — FIRE ALARM SPEAKER/STROBE CEILING MOUNTED
- S — SMOKE DETECTOR
- C — CARBON MONOXIDE DETECTOR
- S, R — DUCT DETECTOR. "R" INDICATES RETURN DUCT. "S" INDICATES SUPPLY DUCT.
- R — DUCT REMOTE TEST STATION
- K — KNOX BOX
- AM, C — FIRE ALARM CONTROL RELAY. C- CONTROL, I-INPUT.
- D — DOOR HOLDER
- VS — VALVE TAMPER SWITCH
- FS — FLOW SWITCH
- PS — PRESSURE SWITCH
- PIV — POST INDICATOR VALVE

ABBREVIATIONS

A	AMPERE
AC	ABOVE COUNTER, 42"AFF UNLESS OTHERWISE INDICATED
ADA	AMERICANS WITH DISABILITIES ACT
ABA	ARCHITECTURAL BARRIERS ACT
AFF	ABOVE FINISHED FLOOR - TO BOTTOM
AL	ALUMINUM
AHU	AIR HANDLING UNIT
1/C	ONE CONDUCTOR
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CU	COPPER
CUH	CABINET UNIT HEATER
(E)	EXISTING
EF	EXHAUST FAN
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
FM	FREQUENCY MODULATION
FMC	FLEXIBLE METALLIC TUBING
GF	GROUND FAULT CIRCUIT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HACR	HEATING AIR CONDITIONING REFRIGERATION
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HT	HEIGHT
HZ	HERTZ
IDS	INTRUSION DETECTION SYSTEM
IG	ISOLATED GROUND
JB	JUNCTION BOX
KVA	KILOVOLT AMPERES
KWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
MCB	MAIN CIRCUIT BREAKER
MH	MOUNTING HEIGHT - TO CENTER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON FUSED
NL	NIGHT LIGHT
NO.	NUMBER
OS	OCCUPANCY SENSOR
PH	PHASE
PIR	PASSIVE INFRARED
REF	REFRIGERATION
RGS	RIGID GALVANIZED STEEL
PVC	POLYVINYL CHLORIDE CONDUIT
SM	SINGLE MODE
SPD	SURGE PROTECTIVE DEVICE
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLTAMPERE
VVD	VARIABLE VOLUME DAMPER
W	WATTS
WP	WEATHERPROOF
XFMR	TRANSFORMER
%Z	PERCENT IMPEDANCE

NOTE: NOT ALL SYMBOLS HAVE NECESSARILY BEEN USED IN THIS PROJECT

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

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STATE OF OHIO — BONBRIGHT 66090 — REGISTERED PROFESSIONAL ENGINEER — 12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL LEGENDS AND ABBREVIATIONS

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT, HOME, TENNESSEE

Issue Date: 12/09/2024 | Checked: JB | Drawn: IA

Project Number: 621-23-104

Building Number: 204

Drawing Number: E001

VA FORM 08 - 6231

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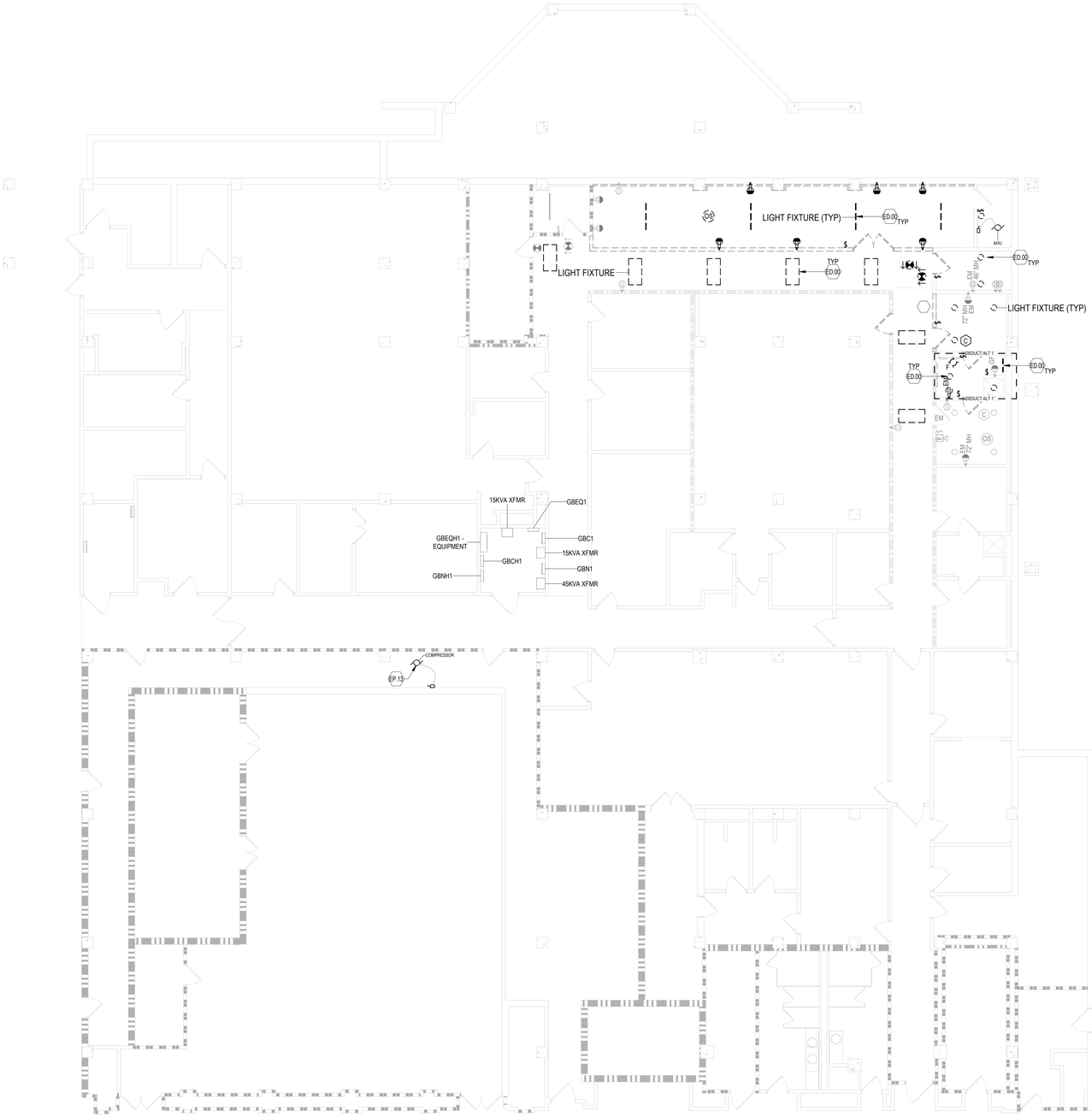
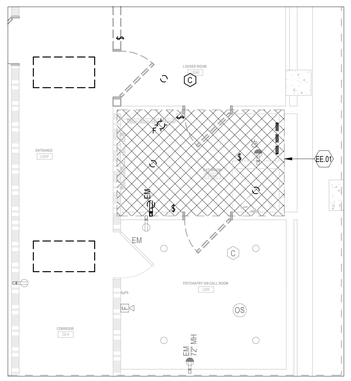


1 GROUND FLOOR - DEMOLITION PLAN
1/8" = 1'-0"



2 BATHROOM L024C DEDUCT 1
1/4" = 1'-0"

DEMO GENERAL NOTES

A. REMOVE, CAP AND RELOCATE EQUIPMENT, CONDUIT, WIRE 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. FAILURE TO VISIT THE SITE AND TO TAKE ALL EXISTING CONDITIONS INTO ACCOUNT WILL NOT ALLOW FOR CHANGES TO THE SCOPE OF WORK. REMOVE ALL CONDUITS AND CONDUCTORS BACK TO THE SOURCE.

B. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING FIXTURES, EQUIPMENT, 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 APPARENTLY ABANDONED TO POWER THE REMAINING OUTLETS ON THE CIRCUIT.

C. 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 DEMOLITION WORK.

D. 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.

E. DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, ASSOCIATED RACEWAYS, SUPPORTING HARDWARE, AND WIRING, WHICH HAVE BEEN MADE OBSOLETE BY THE WORK OR 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, VISIBLE EXAMINE ALL AREAS AND WALLS AND CEILING SCHEDULED FOR REMOVAL TO DETERMINE EXISTING ELECTRICAL ITEMS TO REMAIN.

F. 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 THEIR APPROPRIATE TRADE.

G. TAKE ALL REMOVED MATERIALS FROM THE PROJECT SITE, EXCEPT FOR THOSE TO BE RELOCATED, STORED, OR TURNED OVER TO THE OWNER.

H. ACCEPTANCE OF CONTRACT MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.

I. COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES.

J. MODIFY EXISTING PANEL DIRECTORIES (OR REPLACE) FOR PANELBOARDS WHICH HAVE HAD ALTERATIONS TO THE CIRCUITS ORIGINATING THEREIN. DESCRIBE THE LOAD AND LOCATION. TYPE, DO NOT HAND-LETTER PANELBOARD DIRECTORIES.

K. DE-ENERGIZE AND MAKE ELECTRICALLY SAFE ANY ENERGIZED EQUIPMENT PRIOR TO DISCONNECTION AND REMOVAL. COORDINATE DE-ENERGISATION WITH OWNER.

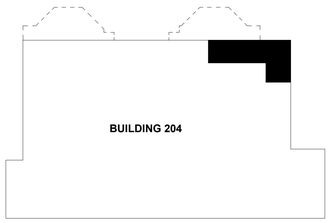
L. ALL DOWN CONDUCTORS ARE EXISTING TO REMAIN

DRAWING NOTES:

ED.00 DEMO LIGHTING FIXTURE.

EE.01 BATHROOM EXISTING TO REMAIN IF DEDUCT ALT 1 IS SELECTED. NO NEW WORK.

EP.13 REMOVE EXISTING INDOOR CONDENSING UNIT LOCATED IN MECHANICAL TUNNEL. REMOVE ASSOCIATED WIRE, CONDUIT, CONTROL WIRE, AND DISCONNECT. REMOVE CIRCUIT BREAKER AT THE PANELBOARD AND TURN OVER TO VA.



NORTH

SCOPE OF WORK
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

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STATE OF OHIO
BONBRIGHT
66090
REGISTERED
PROFESSIONAL ENGINEER
12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL GROUND FLOOR DEMOLITION PLAN

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT, HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: JB

Drawn: IA

Project Number: 621-23-104

Building Number: 204

Drawing Number: ED100

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1 FIRST FLOOR - DEMOLITION PLAN
1/8" = 1'-0"

DEMO GENERAL NOTES

A. REMOVE, CAP AND RELOCATE EQUIPMENT, CONDUIT, WIRE 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. FAILURE TO VISIT THE SITE AND TO TAKE ALL EXISTING CONDITIONS INTO ACCOUNT WILL NOT ALLOW FOR CHANGES TO THE SCOPE OF WORK. REMOVE ALL CONDUITS AND CONDUCTORS BACK TO THE SOURCE.

B. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING FIXTURES, EQUIPMENT, 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 APPARENTLY ABANDONED TO POWER THE REMAINING OUTLETS ON THE CIRCUIT.

C. 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 DEMOLITION WORK.

D. 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.

E. DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, ASSOCIATED RACEWAYS, SUPPORTING HARDWARE, AND WIRING, WHICH HAVE BEEN MADE OBSOLETE BY THE WORK OR 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, VISIBLE EXAMINE ALL AREAS AND WALLS AND CEILING SCHEDULED FOR REMOVAL TO DETERMINE EXISTING ELECTRICAL ITEMS TO REMAIN.

F. 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 THEIR APPROPRIATE TRADE.

G. TAKE ALL REMOVED MATERIALS FROM THE PROJECT SITE, EXCEPT FOR THOSE TO BE RELOCATED, STORED, OR TURNED OVER TO THE OWNER.

H. ACCEPTANCE OF CONTRACT MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.

I. COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES.

J. MODIFY EXISTING PANEL DIRECTORIES (OR REPLACE) FOR PANELBOARDS WHICH HAVE HAD ALTERATIONS TO THE CIRCUITS ORIGINATING THEREIN. DESCRIBE THE LOAD AND LOCATION. TYPE, DO NOT HAND-LETTER PANELBOARD DIRECTORIES.

K. DE-ENERGIZE AND MAKE ELECTRICALLY SAFE ANY ENERGIZED EQUIPMENT PRIOR TO DISCONNECTION AND REMOVAL. COORDINATE DE-ENERGIZATION WITH OWNER.

L. ALL DOWN CONDUCTORS ARE EXISTING TO REMAIN

DRAWING NOTES:

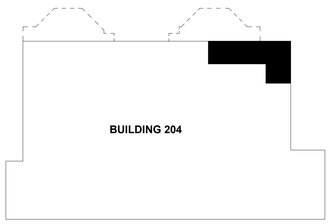
ED.01 EXTEND EXISTING INCLIMATE WEATHER ALARM WIRE AND CONDUIT TO NEW WEATHER ALARM IN NEW POLICE DISPATCH ROOM. SEE SHEET EE100. MAINTAIN OPERATION OF EXISTING ALARM UNTIL NEW ALARM IS FULLY OPERATIONAL. EXISTING ALARM SHALL THEN BE DEMOLISHED.

ED.02 EXTEND EXISTING GENERATOR 1 AND GENERATOR 2 ALARMS WIRE AND CONDUIT TO NEW GENERATOR 1 AND GENERATOR 2 ALARMS IN NEW POLICE DISPATCH ROOM. SEE SHEET EE100. MAINTAIN OPERATION OF EXISTING ALARMS UNTIL NEW ALARMS IS FULLY OPERATIONAL. EXISTING ALARMS SHALL THEN BE DEMOLISHED.

ED.03 EXTEND EXISTING FIRE ALARM DEVICES CONNECTED TO EXISTING FIRE ALARM CONTROL PANEL WIRE AND CONDUIT TO NEW FIRE ALARM CONTROL PANEL IN NEW POLICE DISPATCH ROOM. SEE SHEET EE100. MAINTAIN OPERATION OF EXISTING CONTROL PANEL UNTIL NEW CONTROL PANEL IS FULLY OPERATIONAL. EXISTING PANEL SHALL THEN BE DEMOLISHED.

ED.04 MAINTAIN OPERATION OF EXISTING FIRE ALARM WORKSTATION UNTIL NEW WORKSTATION IS FULLY OPERATIONAL. SEE SHEET EE100. EXISTING WORKSTATION SHALL THEN BE DEMOLISHED.

ED.05 MAINTAIN OPERATION OF EXISTING MED GAS ALARM UNTIL NEW MED GAS ALARM AND CABLE IS INSTALLED. DISCONNECT AND PROTECT SENSOR CABLES AND LABEL EACH CABLE FOR EXTENDING THE CABLE IN NEW WORK. REMOVE ALL REMAINING INTERNALS WITHOUT DAMAGING BOX. SEE NEW WORK PHASE IN DETAIL 3 ON SHEET EP100. COORDINATE WITH PLUMBING SEE SHEET PD100.



NORTH

SCOPE OF WORK
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

CONSULTANT

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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL FIRST FLOOR DEMOLITION PLAN	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT, HOME, TENNESSEE	Drawing Number: ED101
		Issue Date: 12/09/2024 · Checked: JB · Drawn: IA	

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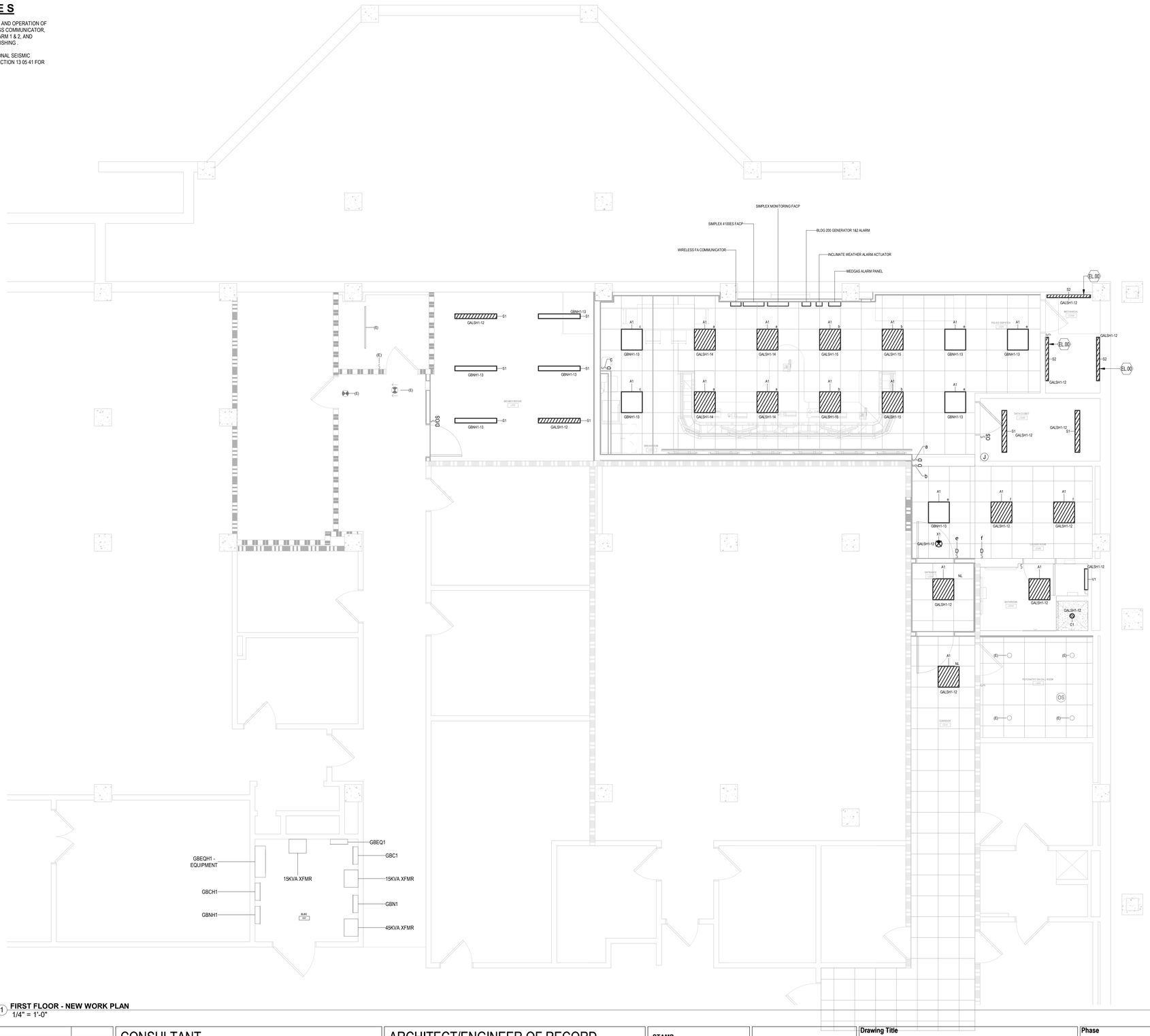
GENERAL NOTES

A. CONTRACTOR SHALL VERIFY FULL FUNCTION AND OPERATION OF NEW FIRE ALARM PANEL, FIRE ALRM WIRELESS COMMUNICATOR, FIRE ALARM WORKSTATION, GENERATOR ALARM 1 & 2, AND INCLIMATE WEATHER ALARM BEFORE DEMOLISHING .

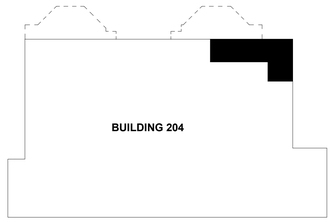
B. ELECTRICAL COMPONENTS REQUIRE ADDITIONAL SEISMIC BRACING AND/OR ANCHORAGE. SEE SPEC SECTION 13 05 41 FOR ADDITIONAL REQUIREMENTS.

DRAWING NOTES:

EL.00 BOTTOM OF FIXTURE HEIGHT: 6'-0"



1 FIRST FLOOR - NEW WORK PLAN
1/4" = 1'-0"



SCOPE OF WORK
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

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66090
REGISTERED PROFESSIONAL ENGINEER
12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL GROUND FLOOR NEW WORK LIGHTING PLAN

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT, HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: JB

Drawn: IA

Project Number: 621-23-104

Building Number: 204

Drawing Number: EL100

VA FORM 08 - 6231

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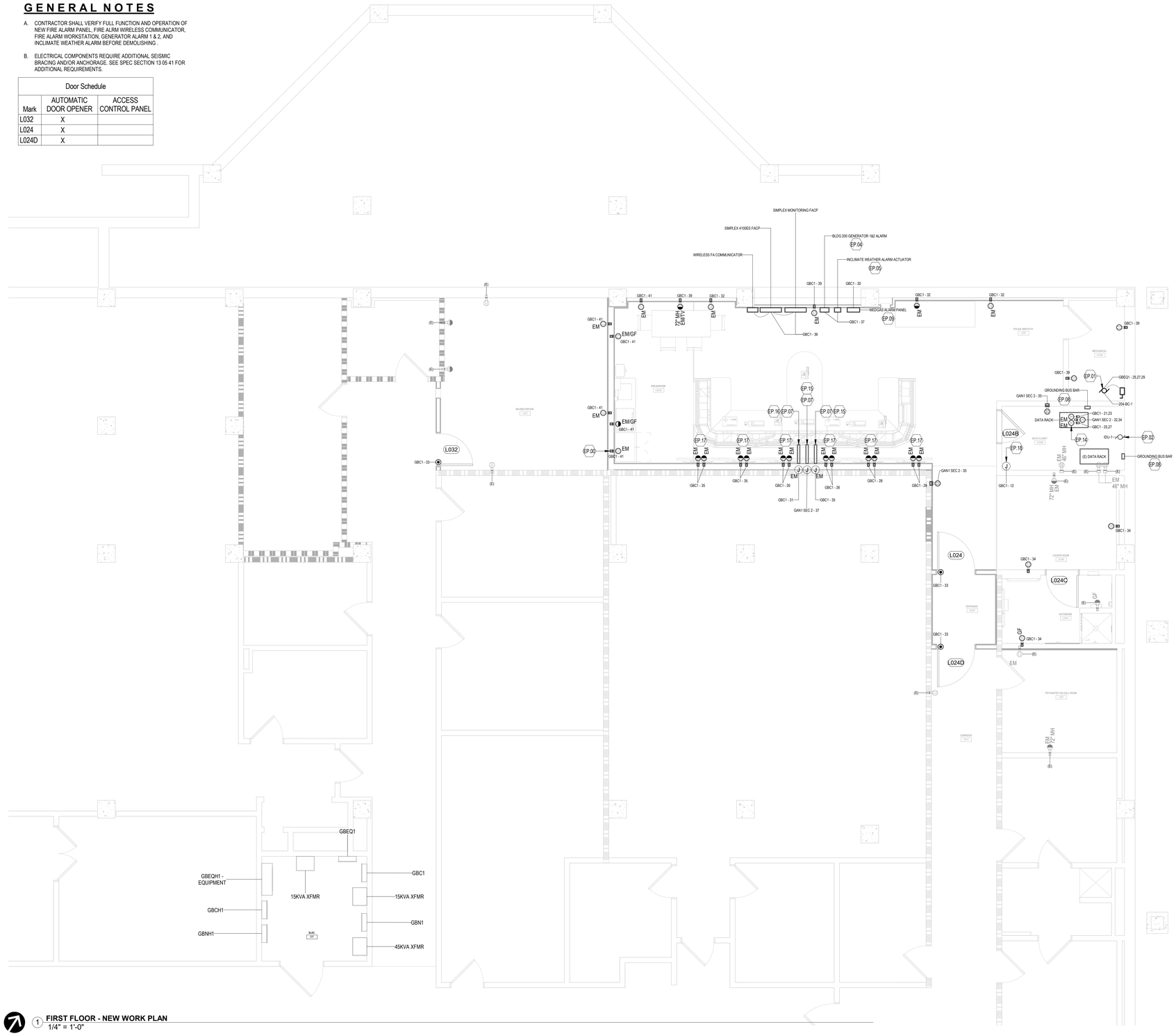
GENERAL NOTES

A. CONTRACTOR SHALL VERIFY FULL FUNCTION AND OPERATION OF NEW FIRE ALARM PANEL, FIRE ALRM WIRELESS COMMUNICATOR, FIRE ALARM WORKSTATION, GENERATOR ALARM 1 & 2, AND INCLIMATE WEATHER ALARM BEFORE DEMOLISHING .

B. ELECTRICAL COMPONENTS REQUIRE ADDITIONAL SEISMIC BRACING AND/OR ANCHORAGE. SEE SPEC SECTION 13 05 41 FOR ADDITIONAL REQUIREMENTS.

Door Schedule

Mark	AUTOMATIC DOOR OPENER	ACCESS CONTROL PANEL
L032	X	
L024	X	
L024D	X	



1 FIRST FLOOR - NEW WORK PLAN
1/4" = 1'-0"

DRAWING NOTES:

EP.00 CIRCUIT TO NEW GFCI CIRCUIT BREAKER AT PANELBOARD.

EP.01 NEW CEILING MOUNTED HEATING AND COOLING BLOWER COIL.

EP.02 NEW INDOOR UNIT SHALL BE CONNECTED FROM NEW OUTDOOR UNIT. THE MAIN POWER IS SUPPLIED TO THE OUT DOOR UNIT.

EP.04 INSTALL NEW ALARM. RUN NEW CONDUIT AND WIRE FROM EXISTING GENERATOR ALARMS TO NEW WHILE MAINTAINING OPERATION OF EXISTING ALARMS.

EP.05 INSTALL NEW INCLIMATE WEATHER ALARM. RUN NEW CONDUIT AND WIRE FROM EXISTING WEATHER ALARM TO NEW WHILE MAINTAINING OPERATION OF EXISTING ALARM.

EP.07 STEEL OVER FLOOR MOUNTED RACEWAY WIREMOLD WITH 200 LBS./SQ IN OR EQUIVALENT FOR POWER AND COMMUNICATIONS WIRING WITH (6) 12 AWG WIRE AT 40% FILL OR EQUIVALENT. RACEWAY SHALL ALSO INCLUDE WALL TO FLOOR TRANSITION FEED FITTING, DUPLEX RECEPTACLE BOX. SEE LEGRAND 1500 SERIES FOR REFERENCE AND ACCESSORY PARTS NUMBERS: 2400, 2686FO, 1546B, 1546T FOR ORDERING EQUIVALENT.

EP.08 INSTALL NEW BUSBAR GROUNDING ELECTRODE. (TGB) THE BONDING CONDUCTOR SHALL BE COPPER, STRANDED OR SOLID IN CONDUIT AND SHALL BE RUN IN AS STRAIGHT A LINE AS PRACTICABLE. (1/0 CU). THE BONDING CONDUCTOR SHALL BE CONNECTED TO THE INTERSYSTEM BONDING TERMINATION. (1/0 CU). IF NO INTERSYSTEM BONDING TERMINATION EXISTS, CONNECT TO THE GROUNDED INTERIOR METAL WATER PIPING SYSTEM, WITHIN 1.5 M (5 FT) FROM ITS POINT OF ENTRANCE TO THE BUILDING.

EP.09 ROUTE #22 GAUGE STRANDED, SHIELDED TWISTED PAIR CABLE (BELDEN # 8451 OR EQUIVALENT) USING 1/2" METALLIC CONDUIT, FROM WIRE TERMINAL INSTALLED IN EXISTING MED GAS ALARM CABINET TO NEW MED GAS ALARM. LABEL EACH SENSOR CABLE THE SAME NAME AS ON EXISTING MED GAS ALARM CABINET.

EP.10 INSTALL CABINET DOOR ON EXISTING MED GAS ALARM BOX OR REMOVE BOX AND INSTALL NEW CABINET OF EQUIVALENT DIMENSIONS. INSTALL WIRE TERMINAL IN BOX AND CONNECT ALL PROTECTED CABLE FROM EXISTING MED GAS ALARM. PAIR AND CONNECT EACH WIRE TO CORRECT SENSOR CABLE.

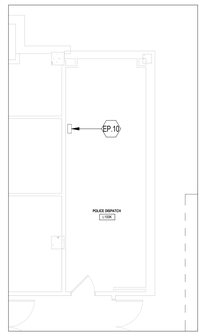
EP.14 PROVIDE (3) L6-30R RECEPTACLES. MOUNT ON TOP OF NEW DATA RACK.

EP.15 RACEWAY SHALL BE ROUTED TO DISPATCHER 1 AND CONCLUDED WITH A DOUBLE DUPLEX BOX OR EQUIVALENT.

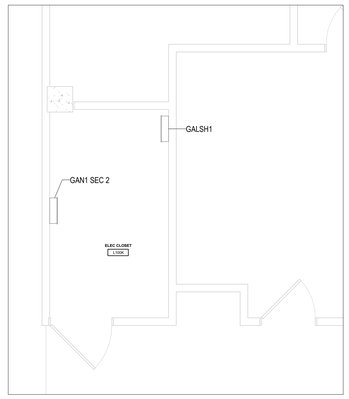
EP.16 RACEWAY SHALL BE ROUTED TO DISPATCHER 2 AND CONCLUDED WITH A DOUBLE DUPLEX BOX OR EQUIVALENT.

EP.17 INSTALL ONE (1) DUPLEX RECEPTACLE IN THE TOP AND ONE (1) IN THE BOTTOM OF THE SINGLE GANG A/C BOX KNOCKOUT IN WALL BOX. COORDINATE WITH TECHNOLOGY FOR INSTALLATION. SEE WALL BOX LOCATIONS ON SHEET TN403. SEE OUTLET TYPE "Y" DETAIL ON SHEET TN501.

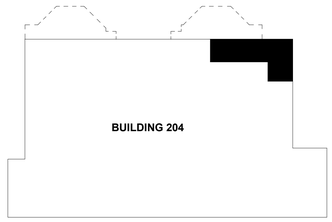
EP.18 CONNECT MAXIMAL ALTRONIX POWER SUPPLY FOR HIRSCH IDENTIV CONTROLLER. SEE SHEET TN401 FOR COORDINATION.



3 EXISTING POLICE DISPATCH ROOM
1/8" = 1'-0"



2 ELECTRICAL CLOSET L050
1/4" = 1'-0"



NORTH

SCOPE OF WORK
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

FFE | HEAPY

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STATE OF OHIO
BONBRIGHT
66090
REGISTERED
PROFESSIONAL ENGINEER
12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL GROUND FLOOR NEW WORK POWER PLAN

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT, HOME, TENNESSEE

Issue Date: 12/09/2024 | Checked: JB | Drawn: IA

Project Number: 621-23-104

Building Number: 204

Drawing Number: EP100

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Police Dispatch Relocation/FFE_Mt Home - Police Relocation_MEP (2024).rvt

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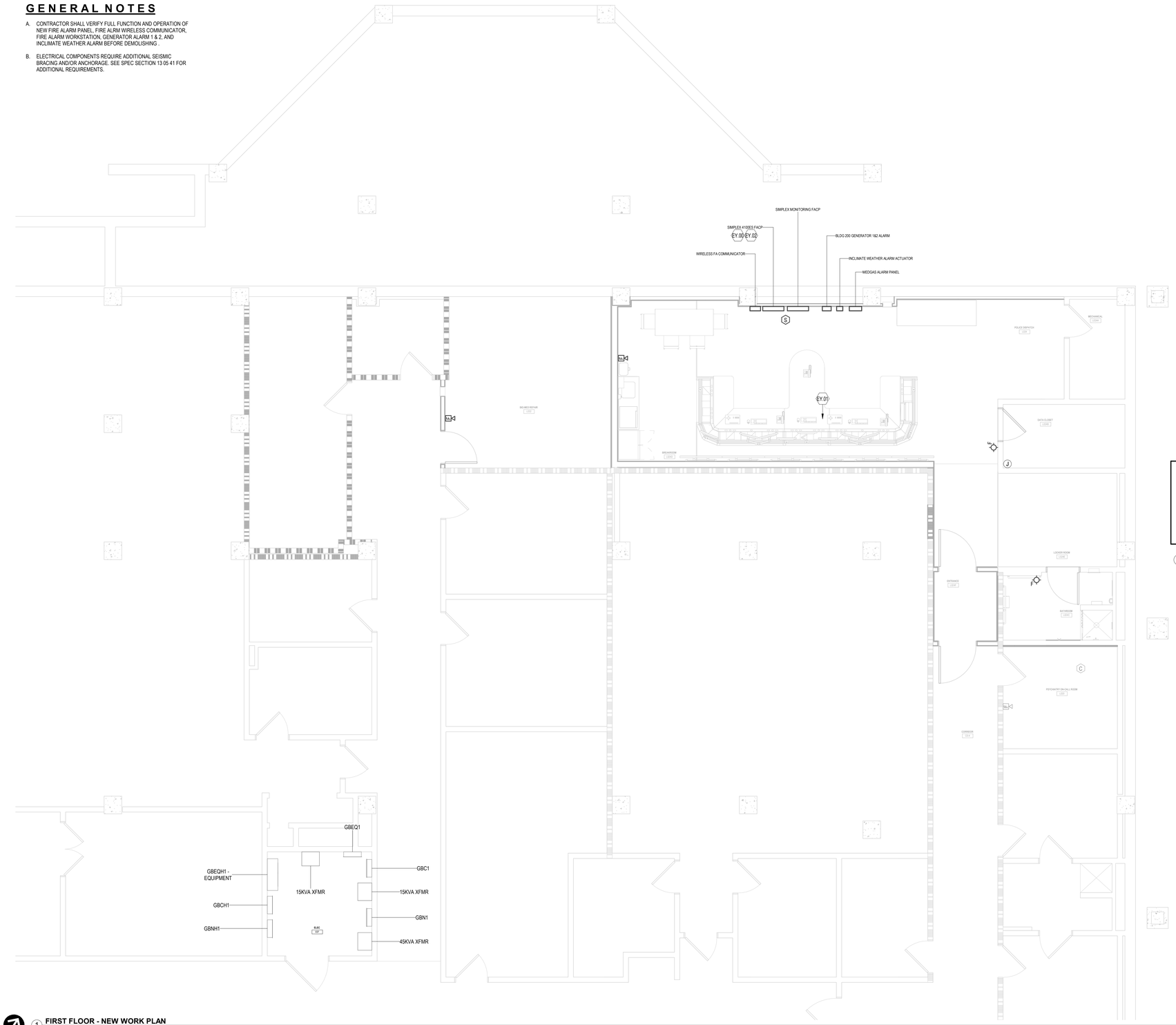
GENERAL NOTES

A. CONTRACTOR SHALL VERIFY FULL FUNCTION AND OPERATION OF NEW FIRE ALARM PANEL, FIRE ALRM WIRELESS COMMUNICATOR, FIRE ALARM WORKSTATION, GENERATOR ALARM 1 & 2, AND INCLIMATE WEATHER ALARM BEFORE DEMOLISHING .

B. ELECTRICAL COMPONENTS REQUIRE ADDITIONAL SEISMIC BRACING AND/OR ANCHORAGE. SEE SPEC SECTION 13 05 41 FOR ADDITIONAL REQUIREMENTS.



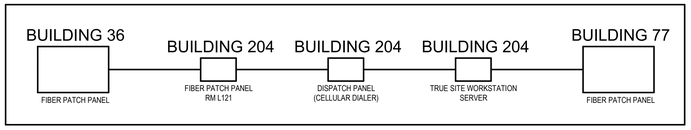
1 FIRST FLOOR - NEW WORK PLAN
1/4" = 1'-0"

DRAWING NOTES:

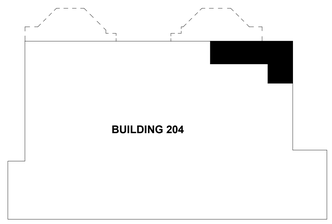
EY.00 INSTALL NEW FIRE ALARM PANEL. RUN NEW OM1 MULTI-MODE 62.5/125 FIBER OPTIC CABLE FROM EXISTING LIU. CONNECT EXISTING FIRE ALARM DEVICE CIRCUITS FROM EXISTING FIRE ALARM PANEL TO NEW PANEL WHILE MAINTAINING OPERATION OF EXISTING FIRE ALARM PANEL.

EY.01 INSTALL NEW FIRE ALARM MONITORING WORKSTATION. RUN CONNECTION TO NEW FIRE ALARM PANEL.

EY.02 FIRE ALARM FIBER OPTIC LOOP CABLE CONNECTIONS ARE TERMINATED IN ROOM L121. SEE FIBER OPTIC LOOP CABLE PATH ON DETAIL 2 ON SHEET EY100. THE 2 CONNECTION NODES THAT ARE MOVING ALONG WITH THE NEW FIRE ALARM PANEL AND FIRE ALARM PANEL ACCESSORIES ARE THE DISPATCH DIALER PANEL (AND DIALER) AND THE TRUE SITE SERVER. ENGAGE SIMPLEX ON MOVING THE CONNECTIONS TO ENSURE CORRECT NETWORK OPERATION.



2 FIBER OPTIC LOOP CABLE NETWORK PATH
NTS



NORTH

SCOPE OF WORK
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

CONSULTANT

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STATE OF OHIO
BONBRIGHT
66090
REGISTERED PROFESSIONAL ENGINEER
12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL GROUND FLOOR NEW WORK FIRE ALARM PLAN	Phase: CONSTRUCTION DOCUMENTS 100%	Project Title: RELOCATE POLICE DISPATCH	Project Number: 621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT, HOME, TENNESSEE	Drawing Number: EY100
		Issue Date: 12/09/2024 · Checked: JB · Drawn: IA	

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Police Dispatch Relocation/FFE_Mt Home - Police Relocation_MEP (2024).rvt
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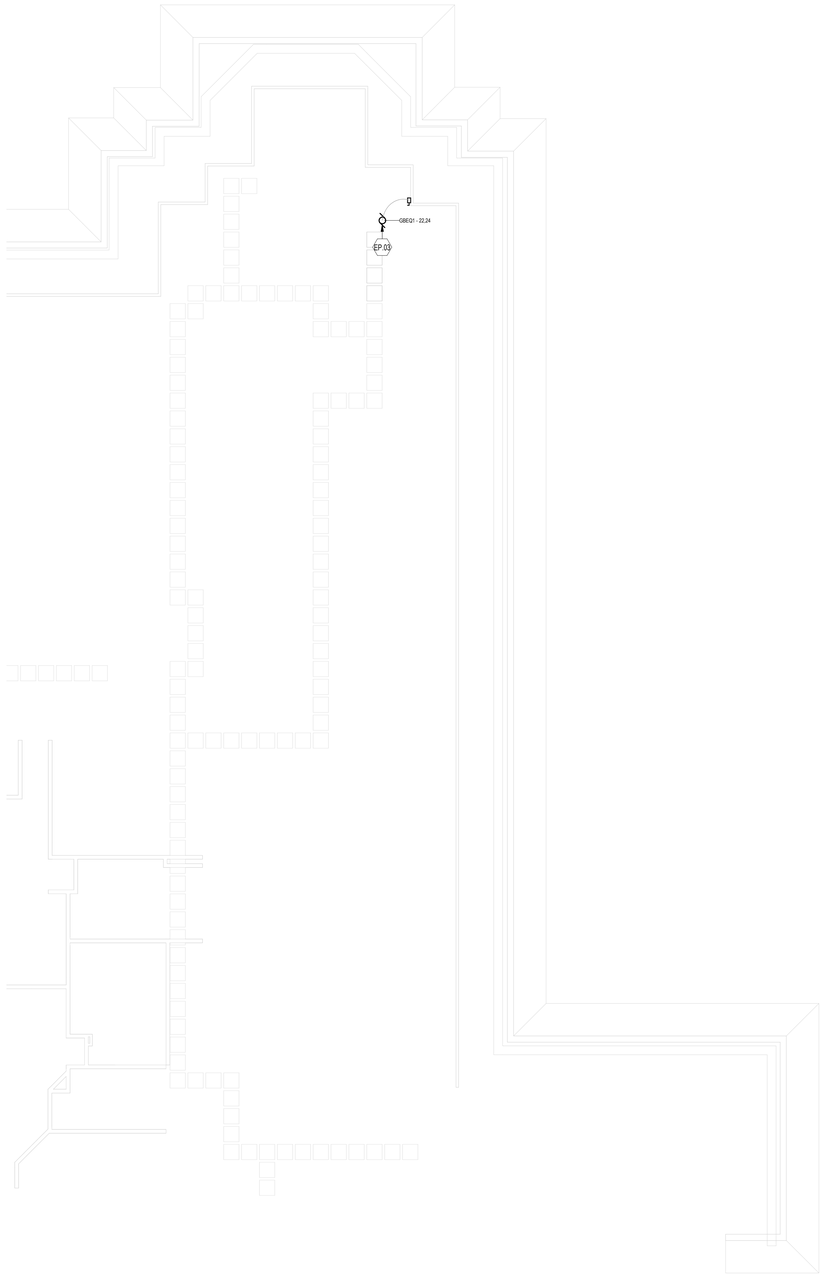
GENERAL NOTES

A. CONTRACTOR SHALL VERIFY FULL FUNCTION AND OPERATION OF NEW FIRE ALARM PANEL, FIRE ALRM WIRELESS COMMUNICATOR, FIRE ALARM WORKSTATION, GENERATOR ALARM 1 & 2, AND INCLIMATE WEATHER ALARM BEFORE DEMOLISHING .

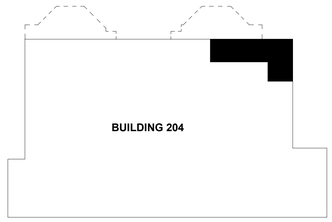
B. ELECTRICAL COMPONENTS REQUIRE ADDITIONAL SEISMIC BRACING AND/OR ANCHORAGE. SEE SPEC SECTION 13 05 41 FOR ADDITIONAL REQUIREMENTS.



1 ROOF FLOOR - NEW WORK PLAN
1/8" = 1'-0"

DRAWING NOTES:

EP.03 CONNECT NEW OUTDOOR UNIT AND DISCONNECT. THE MAIN POWER IS SUPPLIED FROM THIS UNIT AND FED TO THE INDOOR UNIT.



NORTH

SCOPE OF WORK
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

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STATE OF NEVADA
BONBRIGHT
66090
REGISTERED PROFESSIONAL ENGINEER
12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL ROOF NEW WORK PLAN

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT, HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: JB

Drawn: IA

Project Number: 621-23-104

Building Number: 204

Drawing Number: EP102

VA FORM 08 - 6231

Autodesk Docs://Mt Home VA - Police Dispatch Relocation/FFE_Mt Home - Police Relocation_MEP (2024)-v1

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Branch Panel: GBNH1

Location: ELEC 037
Supply From: 1BNH1
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000 A
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
NORMAL
*NEW (EC SHALL PROVIDE BREAKER)

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LIGHTS	20 A	1	0 VA	0 VA					1	20 A	LIGHTS	2
3	LIGHTS	20 A	1			0 VA	0 VA			1	20 A	LIGHTS	4
5	LIGHTS	20 A	1					0 VA	0 VA	1	20 A	LIGHTS	6
7	LIGHTS	20 A	1	0 VA	0 VA					1	20 A	LIGHTS	8
9	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	10
11	SPARE	20 A	1					0 VA	0 VA	3	80 A	SPARE	12
13	*LIGHTING (NEW POLICE DISPATCH)	20 A	1	336 VA	0 VA					--	--	--	14
15	SPACE	--	1			--	0 VA			--	--	--	16
17	SPACE	--	1					--	--	1	--	SPACE	18
19	SPACE	--	1	--	--					1	--	SPACE	20
21	SPACE	--	1			--	--			1	--	SPACE	22
23	SPACE	--	1					--	--	1	--	SPACE	24
			Total Load:	336 VA		0 VA		0 VA					
			Total Amps:	1 A		0 A		0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	336 VA	100.00%	336 VA		
				Total Conn. Load:	336 VA
				Total Est. Demand:	336 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:

Branch Panel: GALSH1

Location: Elec RM L050
Supply From: 1ALSH1
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 A
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Notes:
LIFE SAFETY
*NEW (EC SHALL PROVIDE BREAKER)

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	LIGHTS CO-17	20 A	1	0 VA	0 VA					1	20 A	LIGHTS CO-3	2
3	LIGHTS CO-13	20 A	1			0 VA	0 VA			1	20 A	EXIT LIGHTS	4
5	LIGHTS CO-13 / HALLWAY 77	20 A	1					0 VA	0 VA	1	20 A	SPARE	6
7	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	8
9	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	10
11	SPARE	20 A	1					0 VA	441 VA	1	20 A	*LIGHTS (NEW POLICE DISPATCH)	12
13	SPARE	20 A	1	0 VA	160 VA					1	20 A	*LIGHTS (NEW POLICE DISPATCH)	14
15	*LIGHTS (NEW POLICE DISPATCH)	20 A	1			160 VA							16
17													18
19													20
21													22
23													24
			Total Load:	160 VA		160 VA		441 VA					
			Total Amps:	1 A		1 A		2 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	761 VA	100.00%	761 VA		
				Total Conn. Load:	761 VA
				Total Est. Demand:	761 VA
				Total Conn.:	1 A
				Total Est. Demand:	1 A

Notes:
* PRVIDE NEW CIRCUIT BREAKER

Branch Panel: GAN1 SEC 2

Location: Elec RM L050
Supply From: GAN1 SEC 1
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 A
Mains Type: MLO
Mains Rating: 175 A
MCB Rating: 100 A

Notes:
CRITICAL
*NEW (EC SHALL PROVIDE BREAKER)

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	(EXISTING)	20 A	1	0 VA	0 VA					1	20 A	(EXISTING)	2
3	(EXISTING)	20 A	1			0 VA	0 VA			1	20 A	(EXISTING)	4
5	(EXISTING)	20 A	1					0 VA	0 VA	1	20 A	(EXISTING)	6
7	(EXISTING)	20 A	1	0 VA	0 VA					1	20 A	(EXISTING)	8
9	(EXISTING)	20 A	1			0 VA	0 VA			1	20 A	(EXISTING)	10
11	(EXISTING)	20 A	1					0 VA	0 VA	1	20 A	(EXISTING)	12
13	(EXISTING)	20 A	1	0 VA	0 VA					1	20 A	(EXISTING)	14
15	(EXISTING)	20 A	1			0 VA	0 VA			1	20 A	(EXISTING)	16
17	(EXISTING)	20 A	1					0 VA	0 VA	1	20 A	(EXISTING)	18
19	(EXISTING)	20 A	1	0 VA	0 VA					1	20 A	(EXISTING)	20
21	(EXISTING)	20 A	1			0 VA	0 VA			1	20 A	(EXISTING)	22
23	(EXISTING)	20 A	1					0 VA	0 VA	1	20 A	(EXISTING)	24
25	SPARE	20 A	1	0 VA	0 VA					1	20 A	(EXISTING)	26
27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28
29	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	30
31	SPARE	20 A	1	0 VA	2400 VA					2	30 A	*DATA RACK RECEPTACLE (NEW POLICE DISPATCH)	32
33	SPARE	20 A	1			0 VA	2400 VA			--	--	--	34
35	*RECEPTACLE (NEW POLICE DISPATCH)	20 A	1					720 VA	--	1	--	SPACE	36
37	*WORKSTATION 1 FURNITURE (NEW POLICE DISPATCH)	20 A	1	500 VA	--					1	--	SPACE	38
39	SPACE	--	1			--	--			1	--	SPACE	40
41	SPACE	--	1					--	--	1	--	SPACE	42
			Total Load:	2900 VA		2400 VA		720 VA					
			Total Amps:	26 A		22 A		6 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	5520 VA	100.00%	5520 VA		
Power	500 VA	100.00%	500 VA	**Total Conn. Load:**	6020 VA
				Total Est. Demand:	6020 VA
				Total Conn.:	17 A
				Total Est. Demand:	17 A

Notes:
* PRVIDE NEW CIRCUIT BREAKER

Branch Panel: GBN1

Location: ELEC 037
Supply From: GBN1 TRANSFORMER
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 A
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 175 A

Notes:
NORMAL

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RECEPT	20 A	1	0 VA	0 VA					1	20 A	RECEPT	2
3	RECEPT	20 A	1			0 VA	0 VA			1	20 A	RECEPT	4
5	RECEPT	20 A	1					0 VA	0 VA	1	20 A	RECEPT	6
7	SAW MORGUE	15 A	2	0 VA	0 VA					1	20 A	RECEPT	8
9	--	--	--			0 VA	0 VA			1	20 A	RECEPT	10
11	COPIER	20 A	1					0 VA	0 VA	1	20 A	RECEPT	12
13	RECEPT	20 A	1	0 VA	0 VA					1	20 A	RECEPT	14
15	RECEPT	20 A	1			0 VA	0 VA			1	20 A	RECEPT	16
17	RECEPT	20 A	1					0 VA	0 VA	1	20 A	RECEPT	18
19	RECEPT	20 A	1	0 VA	0 VA					1	20 A	RECEPT L023	20
21	RECEPT	20 A	1			0 VA	0 VA			1	20 A	RCEPT L012	22
23	RECEPT	20 A	1					0 VA	0 VA	1	20 A	RECEPT L06	24
25	RECEPT	20 A	1	0 VA	0 VA					1	20 A	RECEPT L032 L034	26
27	RECEPT	20 A	1			0 VA	0 VA			1	20 A	RECEPT L038 SOUTH & EAST WALL	28
29	RECEPT C0-3	20 A	1					0 VA	0 VA	1	20 A	RECEPT L002	30
31	RECPT L014 NORTH	20 A	1	0 VA	0 VA					1	20 A	RECEPT L014 EAST	32
33	RECPT L014 SOUTH	20 A	1			0 VA	0 VA			1	20 A	AUTOPSY TABLE	34
35	RECEPT L023	20 A	1					0 VA	0 VA	1	20 A	AUTOPSY TABLE	36
37	DISPOSAL SOUTH WALL	20 A	3	0 VA	0 VA					3	20 A	DISPOSAL NORTH WALL	38
39	--	--	--			0 VA	0 VA			--	--	--	40
41	--	--	--					0 VA	0 VA	--	--	--	42
			Total Load:	0 VA		0 VA		0 VA					
			Total Amps:	0 A		0 A		0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

Notes:

Branch Panel: GBC1

Location: ELEC 037
Supply From: GBC1 TRANSFORMER
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 A
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 60 A

Notes:
CRITICAL
*NEW (EC SHALL PROVIDE BREAKER)

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	BD # 2 BATH # 1 REC	20 A	1	0 VA	0 VA					1	20 A	BDRM # 4 / BATH # 2 REC	2
3	BD 3 1 REC	20 A	1			0 VA	0 VA			1	20 A	BDRM # 3 REC	4
5	STORAGE ROOM	20 A	1					0 VA	0 VA	1	20 A	BD # 3, 4 / BATH # 2 LIGHTS	6
7	EMERGENCY LIGHTS L014	20 A	1	0 VA	0 VA					1	20 A	BD # 1, 2 / BATH # 1 LIGHTS	8
9	RECEPTACLES L003	20 A	1			0 VA	0 VA			1	20 A	IT RECEPTACLES	10
11	IT RECEPTACLES	20 A	1					0 VA	500 VA	1	20 A	Power DATA CLOSET L024B	12
13	L032A TEL RM	20 A	1	0 VA	0 VA					1	20 A	TEL COM ROOM	14
15	L032A TEL RM	20 A	1			0 VA	0 VA			2	20 A	AC L032	16
17	AIR UNIT (IT ROOM)	20 A	2					0 VA	0 VA	--	--	--	18
19	--	--	--	0 VA	0 VA					1	20 A	TEL COM RM	20
21	*DATA RACK RECEPTACLE (NEW POLICE DISPATCH)	30 A	2			2400 VA	0 VA			2	20 A	AC COND	22
23	--	--	--					2400 VA	0 VA	--	--	--	24
25	*DATA RACK RECEPTACLE (NEW POLICE DISPATCH)	30 A	2	2400 VA	720 VA					1	20 A	*RECEPTACLES (NEW POLICE DISPATCH)	26
27	--	--	--			2400 VA	720 VA			1	20 A	*RECEPTACLES (NEW POLICE DISPATCH)	28
29	REC IN DISCONNECT	20 A	1					0 VA	100 VA	1	20 A	*MEDGAS ALARM PANEL (NEW POLICE DISPATCH)	30
31	*WORKSTATION 2 FURNITURE (NEW POLICE DISPATCH)	20 A	1	500 VA	540 VA					1	20 A	*RECEPTACLES (NEW POLICE DISPATCH)	32
33	*RECEPTACLES (NEW POLICE DISPATCH)	20 A	1			0 VA	540 VA			1	20 A	*RECEPTACLES (NEW POLICE DISPATCH)	34
35	*WORKSTATION 1 FURNITURE (NEW POLICE DISPATCH)	20 A	1					1220 VA	1100 VA	1	20 A	*FIRE ALARM CONTROL PANELS (NEW POLICE...	36
37	*GENERATOR ALARMS & WEATHER ALARM (NEW...	20 A	1	300 VA	0 VA					3	60 A	MAIN	38
39	*RECEPTACLES (NEW POLICE DISPATCH)	20 A	1			720 VA	0 VA			--	--	--	40
41	*RECEPTACLES (NEW POLICE DISPATCH)	20 A	1					1080 VA	0 VA	--	--	--	42
			Total Load:	4460 VA		6780 VA		6400 VA					
			Total Amps:	37 A		59 A		56 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	1500 VA	100.00%	1500 VA		
Receptacle	14640 VA	84.15%	12320 VA	**Total Conn. Load:**	17640 VA
Power	1500 VA	100.00%	1500 VA	**Total Est. Demand:**	15320 VA
				Total Conn.:	49 A
				Total Est. Demand:	43 A

Notes:
* PRVIDE NEW CIRCUIT BREAKER

Branch Panel: GBEQ1

Location: ELEC 037
Supply From: GBEQ1 TRANSFORMER
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 A
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 60 A

Notes:
EQUIPMENT
*NEW (EC SHALL PROVIDE BREAKER)

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	DCP MECH RM	20 A	1	0 VA	0 VA					1	20 A	ELEV SUMP PUMP	2
3	DCP MECH RM	20 A	1			0 VA	0 VA			1	20 A	ELEV PIT LIGHT	4
5	COOLER	30 A	2					0 VA	0 VA	2	20 A	PLASMA FREEZER	6
7	--	--	--	0 VA	0 VA					--	--	--	8
9	204-FCV-1	15 A	2			0 VA	0 VA			1	20 A	COOLER LIGHTS	10
11	--	--	--					0 VA	0 VA	1	20 A	SPARE	12
13	MORGUE POWER / TEMP MONITOR	20 A	1	0 VA	0 VA					1	20 A	RECEPT	14
15	REAR OFFICE WALL	20 A	1			0 VA	0 VA			1	20 A	SPARE	16
17	REAR CRAWL SPACE	20 A	1					0 VA	0 VA	1	20 A	SPARE	18
19	SPACE	--	1	--	--					1	--	SPACE	20
21	SPACE	--	1			--	510 VA			2	15 A	*ODU-2 / IDU-2 SPLIT SYSTEM (NEW POLICE DISPATCH)	22
23									510 VA	--	--	--	24
25	*BC-1 AIR HANDLER (NEW POLICE DISPATCH)	15 A	3	552 VA	0 VA					3	60 A	MAIN	26
27	--	--	--			552 VA	0 VA			--	--	--	28
29	--	--	--					552 VA	0 VA	--	--	--	30
			Total Load:	552 VA		1062 VA		1062 VA					
			Total Amps:	5 A		10 A		10 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	2676 VA	115.48%	3091 VA		
				Total Conn. Load:	2676 VA
				Total Est. Demand:	3091 VA
				Total Conn.:	7 A
				Total Est. Demand:	9 A

Notes:
* PRVIDE NEW CIRCUIT BREAKER

No.	Revisions:	Date:
	CONSTRUCTION DRAWINGS 100%	12/09/2024

CONSULTANT

ARCHITECT/ENGINEER OF RECORD
FFE | HEAPY

STAMP
STATE OF OHIO
BONBRIGHT
66090
REGISTERED
PROFESSIONAL ENGINEER
12/09/2024

MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL PANELBOARD SCHEDULES
Approved: Owner
Phase: CONSTRUCTION DOCUMENTS 100%
FULLY SPRINKLERED
Project Title: RELOCATE POLICE DISPATCH
Location: MT, HOME, TENNESSEE
Issue Date: 12/09/2024
Checked: JB
Drawn: IA
Project Number: 621-23-104
Building Number
Drawing Number: EE600

VA FORM 08 - 6231

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GENERAL NOTES

A. ALL JUNCTION BOXES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.

B. NEW SYSTEM WIRING FOR STRUCTURED CABLING SHALL BE CABLE TRAY OR CONDUIT AS SHOWN ON DRAWINGS.

C. FIRESTOP ALL PENETRATIONS THRU WALLS.

D. VERIFY EXACT LOCATION OF ALL CEILING MOUNTED DEVICES WITH REFLECTED CEILING PLAN AND/OR ARCHITECT PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF CEILING MOUNTED DEVICES WITH LIGHT FIXTURES, MECHANICAL DUCTS, AND SPRINKLER PIPES AND HEADS BEFORE ROUGH-IN TO PREVENT CONFLICTS.

E. REMOVE EXISTING CEILING TILES AS REQUIRED FOR INSTALLATION OF NEW TECHNOLOGY ITEMS AND RE-INSTALL TILES IN A SIMILAR MANNER AS NOW EXISTS.

F. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF OUTLETS AND DEVICES.

G. COORDINATE EXACT LOCATION OF ALL SWITCHES, RECEPTACLES, DATA OUTLETS, VOLUME CONTROLLERS, AV SYSTEM CONTROLLERS, THERMOSTATS, ETC. WITH RESPECTIVE TRADES PRIOR TO ROUGH-INS. ALL MOUNTING HEIGHTS OF DEVICES WHICH ARE MOUNTED ADJACENT TO EACH OTHER SHALL BE AT THE SAME DISTANCE MEASURED ABOVE THE FINISHED FLOOR.

H. STAGGER RECEPTACLES AND OTHER RECESSED DEVICES WHEN LOCATED ON OPPOSITE SIDES OF PARTITION / WALL TO ELIMINATE SOUND TRANSMISSION FROM ONE SPACE TO THE OTHER.

I. WHERE DEVICES ARE MOUNTED IN AREAS WHERE THERE ARE EXSPOSED CEILINGS, COORDINATE THE EXACT MOUNTING / LOCATION WITH THE STRUCTURAL SUPPORT MEMBERS AND WORK OF OTHER TRADES. PROVIDE ALL NECESSARY LABOR AND MATERIALS TO ACHIEVE MOUNTING HEIGHTS AND LOCATIONS AS INDICATED ON THE PLANS.

J. REFER TO ARCHITECTURAL SPECIFICATIONS AND DOCUMENTS FOR CONSTRUCTION PHASING SEQUENCE.

K. ANY EXPOSED CONDUITS WITHIN THE FINISHED PORTIONS OF THE BUILDING SHALL BE PRIME AND FINISH PAINTED.

L. ALL EMPTY CONDUITS SHALL BE INSTALLED WITH PULL STRING.

M. DEMO, PATCH AND REPAIR EXISTING WALLS AS REQUIRED FOR INSTALLATION OF BOXES, CONDUIT, AND WALL PENETRATIONS.

N. WHERE EXISTING WALLS ARE FURRED ON ONE SIDE, ALL NEW SERVICES SHALL BE INSTALLED IN THE WALL FROM THE FURRED OUT SIDE OF THE WALL.

O. ALL CONDUIT SLEEVES AND PATHWAYS SHOWN ON BID DOCUMENTS SHALL BE PROVIDED. ALL CONDUIT SLEEVES THRU WALLS AND FLOORS, NOT SPECIFICALLY SHOWN ON DRAWINGS BUT REQUIRED FOR COMPLIANT INSTALLATION OF CABLING SHALL BE PROVIDED AS PART OF THE SCOPE OF WORK.

P. COMPLETELY AND THOROUGHLY COORDINATE ALL PATHWAYS BEING PROVIDED. ANY PATHWAYS THAT ARE PROVIDED THAT CAUSE CABLING INSTALLATION TO BE NON-COMPLIANT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE INSTALLATION OF CABLING.

Q. A 3.5" DEEP MASONRY BOX SHALL BE USED IN CMU WALLS.

R. BOND ALL CABLE NEW AND/OR EXISTING RUNWAY SPLICES AND BUTT JOINTS WITH #6 AWG BOLTED TO CABLE RUNWAY. REMOVE PAINT OFF OF CABLE RUNWAY FOR METAL TO METAL CONNECTION AND APPLY ANTI-OXIDANT JOINT COMPOUND OVER ANY REMAINING AREAS WITH BARE METAL EXPOSED.

S. ALL CONDUITS SHALL HAVE NYLON BUSHINGS INSTALLED.

T. PULL BOXES SHALL NOT BE USED TO CHANGE DIRECTION AND SHALL BE INSTALLED IN LINE WITH CONDUIT.

U. ALL TECHNOLOGY CONDUITS SHALL UTILIZE TELECOM SYSTEM GROUND FROM CONDUIT TO CABLE TRAY THEN BACK TO TGBB.

AV SYMBOLS

15 W	SINGLE FACED, WALL MOUNTED CLOCK (102" MH UNLESS NOTED OTHERWISE). 12" DIAMETER FACE UNLESS SUBSCRIPT "15" FOR 15" DIAMETER FACE. SUBSCRIPT "W" INDICATES WIRE GUARD.
15	DOUBLE FACED, WALL MOUNTED CLOCK (102" MH UNLESS NOTED OTHERWISE). 12" DIAMETER FACE UNLESS SUBSCRIPT "15" FOR 15" DIAMETER FACE.
42	FLAT PANEL DISPLAY WITH WALL MOUNTING HARDWARE (84" MH UNLESS NOTED OTHERWISE). # INDICATES NOMINAL SCREEN DIAGONAL SIZE.
AE	AREA OF REFUGE / AREA OF RESCUE EXPANSION SWITCH WITHIN A WALL MOUNTED ENCLOSURE.
AM W	AREA OF REFUGE / AREA OF RESCUE MAIN CONTROL PANEL. "W" INDICATES WALL MOUNTED WITHIN AN ENCLOSURE, OTHERWISE DESKTOP UNIT.
AP	AREA OF REFUGE / AREA OF RESCUE POWER SUPPLY WITHIN A WALL MOUNTED ENCLOSURE.
AR	AREA OF REFUGE / AREA OF RESCUE REMOTE CALL STATION (46" MH UNLESS NOTED OTHERWISE).
AV	AV SYSTEM CONTROLLER LOCATED ON DESK OR PODIUM. REFER TO PLANS FOR CONFIGURATION.
BV W	BLU-RAY/DVD PLAYER WITH CONNECTION TO LOCAL OUTLET. SUBSCRIPT "W" INDICATES WALL MOUNTED ON SHELF.
IR	SOUND FIELD SYSTEM CEILING IR SENSOR. LOCATION SHOWN FOR ESTIMATING PURPOSES ONLY. EACH SYMBOL REPRESENTS A QUANTITY OF TWO (2) SENSORS TO BE LOCATED FOR OPTIMUM DROP-FREE RECEPTION.
IW	INTERACTIVE WHITE BOARD. REFER TO DETAILS.
PC	LOCAL RS-232/IP PROJECTOR CONTROLLER.
PR X	CEILING MOUNTED PROJECTOR. SUBSCRIPT "X" INDICATES CONFIGURATION TYPE, REFER TO FACEPLATE DETAILS.
PS	CEILING MOUNTED MANUAL PROJECTION SCREEN.
PS	WALL MOUNTED MANUAL PROJECTION SCREEN.
SB W	VIDEO ON DEMAND SET TOP BOX. SUBSCRIPT "W" INDICATES WALL MOUNTED ON SHELF.
SF	CEILING MOUNTED SOUND FIELD SYSTEM SPEAKER.
SF P	PENDANT MOUNTED SOUND FIELD SYSTEM SPEAKER.
SM	CEILING MOUNTED SOUND MASKING SYSTEM SPEAKER.
SM P	PENDANT MOUNTED SOUND MASKING SYSTEM SPEAKER.
SP	1' X 2' CEILING MOUNTED LAY-IN PAGING/INTERCOM SYSTEM SPEAKER.
SP	2' X 2' CEILING MOUNTED LAY-IN PAGING/INTERCOM SYSTEM SPEAKER.
SP	CEILING MOUNTED STANDARD ROUND PAGING/INTERCOM SYSTEM SPEAKER.
SP P	PENDANT MOUNTED PAGING/INTERCOM SYSTEM SPEAKER.
SR	CEILING MOUNTED SOUND REINFORCEMENT SYSTEM SPEAKER.
SR P	PENDANT MOUNTED SOUND REINFORCEMENT SYSTEM SPEAKER.

AV SYMBOLS WITH ELECTRICAL REQUIREMENTS

15 W	SINGLE FACED WALL MOUNTED CLOCK (102" MH UNLESS NOTED OTHERWISE). 12" DIAMETER FACE ANALOG CLOCK UNLESS SUBSCRIPT "15" FOR 15" DIAMETER FACE ANALOG CLOCK OR "LED" FOR LED DIGITAL CLOCK. SUBSCRIPT "W" INDICATES WIRE GUARD. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING.
15	DOUBLE FACED WALL MOUNTED CLOCK (102" MH UNLESS NOTED OTHERWISE). 12" DIAMETER FACE ANALOG CLOCK UNLESS SUBSCRIPT "15" FOR 15" DIAMETER FACE ANALOG CLOCK OR "LED" FOR LED DIGITAL CLOCK. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING.
A X	ROOF MOUNTED ANTENNA. REFER TO ANTENNA MOUNTING DETAIL FOR MORE INFORMATION. SUBSCRIPT INDICATES TYPE.
CA	WALL MOUNTED CALL ANNUNCIATOR FOR PAGING/INTERCOM SYSTEM (90" MH UNLESS NOTED OTHERWISE). BACKBOX INSTALLED WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. ANNUNCIATOR. INSTALLATION AND WIRING.
CO	WALL MOUNTED CALL ORIGINATION SWITCH FOR PAGING/INTERCOM SYSTEM (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. CALL SWITCH. FACEPLATE AND WIRING.
CS W	CLASSROOM SOUND FIELD SYSTEM RECEIVER/AMPLIFIER/MIXER AND WALL OUTLET (44" MH UNLESS NOTED OTHERWISE). TWO 1-GANG BOXES WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. SUBSCRIPT "W" INDICATES WALL MOUNTED ON SHELF. SOUND FIELD SYSTEM. GROMMETED FACEPLATES AND CABLING.
MR X	MICROPHONE JACK PLATE (18" MH UNLESS NOTED OTHERWISE). "#"=NUMBER OF GANG, "X"=NUMBER OF JACKS IF OTHER THAN TWO (2). PROVIDE 0.75" CONDUIT FOR 1-GANG BOX OR 1" CONDUIT FOR 2-GANG AND LARGER BOX TO ABOVE ACCESSIBLE CEILING. JACKS. FACEPLATE AND CABLING.
M #(X)	HANGING MICROPHONE OUTLET. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. SUBSCRIPT "X" INDICATES QUANTITY OF MICROPHONES IF MORE THAN ONE.(1). MICROPHONE. JACK. FACEPLATE AND WIRING.
M S	LOCAL SOUND SYSTEM SENSING MICROPHONE. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. MICROPHONE WITH GROMMETED FACEPLATE. INSTALLATION AND WIRING.
MA	MIC/AUX WALL MOUNTED INPUT (18" MH UNLESS NOTED OTHERWISE). 2-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. JACKS. FACEPLATE AND CABLING.
ME	MONITOR/EFFECTS WALL OUTLET (18" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. JACKS. FACEPLATE AND WIRING.
MP	MULTI-PIN CONNECTOR WALL OUTLET (18" MH UNLESS NOTED OTHERWISE). NEMA BOX FOR 8"x8" PLATE WITH 2" CONDUIT TO ABOVE ACCESSIBLE CEILING. 8"x8" PLATE WITH CONNECTORS AND WIRING.
MS	MICROPHONE/SPEAKER WALL MOUNTED JACK PLATE (18" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. JACKS. FACEPLATE AND CABLING.
P	PROGRAM SOURCE CABINET FOR PAGING/INTERCOM SYSTEM. TWO 1-GANG BOXES WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. GROMMETED FACEPLATES. CABINET. INSTALLATION AND WIRING.
PR X	WALL MOUNTED PROJECTOR. BACKBOX WITH 1-1.25" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROJECTOR. MOUNT AND CABLING. SUBSCRIPT "X" INDICATES CONFIGURATION TYPE, REFER TO FACEPLATE DETAILS.
PS E	CEILING MOUNT ELECTRIC PROJECTION SCREEN. 1-GANG BOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. SCREEN AND LOW VOLTAGE CONTROL.
PS E	WALL MOUNT ELECTRIC PROJECTION SCREEN. 1-GANG BOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. SCREEN AND LOW VOLTAGE CONTROL.
R	REMOTE POWER SWITCH OUTLET (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. SWITCH. FACEPLATE AND WIRING.
SP R	RECESSED SOUND SYSTEM SPEAKER. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. GROMMETED FACEPLATE. SPEAKER. INSTALLATION ADJACENT TO BOX AND WIRING. REFER TO ARCHITECTURAL DRAWINGS FOR RECESSED ENCLOSURE DETAILS.
SF W	WALL MOUNTED SOUND SYSTEM SPEAKER. 1-GANG BOX WITH 1" CONDUIT TO ABOVE CEILING. SPEAKER AND CABLING.
SJ	SPEAKER JACK PLATE (18" MH UNLESS NOTED OTHERWISE). 3-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. JACK PLATE AND WIRING.
SP	HORN TYPE PAGING/INTERCOM SYSTEM SPEAKER (120" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. GROMMETED FACEPLATE. SPEAKER. INSTALLATION AND WIRING.
SP W	SURFACE MOUNTED PAGING/INTERCOM SPEAKER (120" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. SPEAKER. INSTALLATION AND CABLING.
V	PAGING/INTERCOM SYSTEM WALL MOUNTED SPEAKER VOLUME CONTROLLER (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX AND 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. VOLUME CONTROLLER WITH FACEPLATE. INSTALLATION AND WIRING.
WC X	WALL MOUNTED AV SYSTEM CONTROL INTERFACE. SUBSCRIPT "X" INDICATES TYPE. REFER TO SYSTEM DIAGRAMS. BACKBOX (46" MH UNLESS NOTED OTHERWISE) WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. CONTROLLER WITH CABLING.

TECHNOLOGY SYMBOLS

AP	CEILING MOUNTED WIRELESS ACCESS POINT WITH DATA DROP ABOVE CEILING. PROVIDE 20' COIL IN DATA CABLE TO FACILITATE FUTURE RELOCATION OF WAP.
ATE	TELEPHONE SYSTEM ATTENDANT CONSOLE.
DSS	TELEPHONE SYSTEM MULTI-BUTTON DIRECT SELECTION STATION.
HTE W	TELEPHONE SYSTEM OFFICE TELEPHONE HANDSET. SUBSCRIPT "W" INDICATES WIRELESS BASE STATION AND HANDSET.
RA	REMOTE PATCH ANTENNA FOR LOCAL WIRELESS ACCESS POINT.
W STE	TELEPHONE SYSTEM CLASSROOM DESK MOUNT TYPE HANDSET. SUBSCRIPT "W" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
	WIREMOLD RACEWAY, AS NOTED ON PLANS.

SECURITY SYMBOLS

CC X	CCTV SYSTEM CEILING MOUNTED CAMERA. REFER TO CAMERA SCHEDULE FOR MOUNTING HEIGHT AND CAMERA SPECIFICATIONS. SUBSCRIPT "X" INDICATES ENTRY IN CAMERA SCHEDULE.
CE	PROVIDE INTERFACE FROM CARD ACCESS SYSTEM INTO ELEVATOR CONTROLLER INCLUDING ALL NECESSARY HARDWARE. PROGRAMMING AND CABLING AS COORDINATED WITH ELEVATOR CONTRACTOR.
DB	WALL MOUNTED DOORBELL.
GB	GLASS BREAK.
IM	DESK MOUNTED INTERCOM MASTER STATION.
JS	CCTV SYSTEM REMOTE JOYSTICK/CONTROLLER AND KEYPAD OPERATOR'S STATION.
MD	CEILING MOUNTED MOTION DETECTOR.
PB	DESK MOUNTED PUSH BUTTON FOR LOCAL ELECTRONIC DOOR RELEASE.
PP	DESK MOUNTED PANIC/DURESS BUTTON.
SD	CEILING MOUNTED SCREAM DETECTOR.

SECURITY SYMBOLS WITH ELECTRICAL REQUIREMENTS

BR	WALL MOUNTED BIOMETRIC READER (46" MH UNLESS NOTED OTHERWISE). 2-GANG BOX WITH 0.75" CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, READER AND CABLING. REFER TO SECURITY ROUGH-IN DETAILS.
CC X	CCTV SYSTEM WALL MOUNTED CAMERA (REFER TO CAMERA SCHEDULE FOR MOUNTING HEIGHT AND CAMERA SPECIFICATIONS). SUBSCRIPT "X" INDICATES ENTRY IN CAMERA SCHEDULE. 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. CAMERA AND CABLING.
CM	WALL MOUNTED MONITOR OUTLET FOR CCTV SYSTEM (84" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. JACK. FACEPLATE AND CABLING.
CR	WALL MOUNTED PROXIMITY CARD READER (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, CARD READER AND CABLING. REFER TO SECURITY ROUGH-IN DETAILS.
CR EL	ELEVATOR CAB MOUNTED CARD READER. READER TO BE INSTALLED IN ELEVATOR CAB AS COORDINATED WITH ELEVATOR CONTRACTOR. WIRING FROM CAB THRU TRAVELING CABLE TO ELEVATOR CONTROLLER IN ELEVATOR MACHINE ROOM AND INTERFACE WITH ELEVATOR CONTROLLER AND SMS, COORDINATE WITH ELEVATOR CONTRACTOR. REFER TO SECURITY ROUGH-IN DETAILS.
DC	LOCAL IP BASED 2-DOOR ACCESS CONTROL PANEL SERVING LOCAL CARD READER/SECURITY CONTROLLED DOORS. LOCATE ABOVE ADJACENT ACCESSIBLE CEILING. PROVIDE DATA DROP IN 0.75" CONDUIT TO LOCAL DATA CLOSET. EXTEND 1" CONDUIT WITH DOOR SECURITY WIRING TO LOCAL SECURITY SYSTEM JUNCTION BOX. REFER TO SECURITY ROUGH-IN DETAILS.
DM	DOOR POSITION SWITCH WITH WIRING. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, PROVIDE ONE CONTACT FOR EACH LEAF IN MULTI-DOOR OPENINGS. REFER TO SECURITY ROUGH-IN DETAILS.
EDC X	ELECTRONIC DOOR CONTROL. SUBSCRIPT "X" INDICATES SPECIFIC DOOR. REFER TO ELECTRONIC DOOR CONTROL SCHEDULE FOR REQUIREMENTS.
EL	ELECTRONIC DOOR LOCK AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING AND CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, REFER TO SECURITY ROUGH-IN DETAILS.
EM	ELECTRONIC MAG LOCK AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING AND CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, REFER TO SECURITY ROUGH-IN DETAILS.
ES	ELECTRONIC STRIKE AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING AND CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, REFER TO SECURITY ROUGH-IN DETAILS.
HA	WALL/PEDESTAL MOUNT HANDICAP DOOR ACTUATOR BUTTON, FURNISHED BY OTHERS. BOX AS REQUIRED BY SYSTEM MANUFACTURER WITH INSTALLATION AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, ALL LOW VOLTAGE WIRING AND INTERFACE WITH SMS AND DOOR MOTOR. REFER TO SECURITY ROUGH-IN DETAILS.
HD	HANDICAP DOOR OPERATOR MOTOR ASSEMBLY BY OTHERS. 120V POWER CONNECTION AND CONDUIT FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, LOW VOLTAGE WIRING AND INTERFACE WITH SMS AND DOOR ACTUATOR BUTTONS. REFER TO SECURITY ROUGH-IN DETAILS.
HO FA	WALL/FLOOR MOUNTED ELECTROMAGNETIC DOOR HOLD OPEN WITH POWER SUPPLY INSTALLED BY OTHERS. 120V POWER AND CONNECTION, BOX AS REQUIRED BY MANUFACTURER AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, LOW VOLTAGE WIRING FROM POWER SUPPLY TO HOLD OPEN AND INTERFACE WITH SMS. SUBSCRIPT "FA" INDICATES DEVICES POWERED FROM FIRE ALARM SYSTEM AND INTERFACE FROM SMS TO FIRE ALARM SYSTEM REQUIRED FOR DOOR RELEASE. REFER TO SECURITY ROUGH-IN DETAILS.
IC	WALL MOUNTED INTERCOM DOOR STATION (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. INTERCOM AND CABLING.
JB M	SECURITY SYSTEM JUNCTION BOX TO BE LOCATED ABOVE ACCESSIBLE CEILING (MIN 6"X6"X4"). ROUTE LOCAL DOOR SECURITY WIRING CONDUITS/RACEWAYS TO JUNCTION BOX. EXTEND 1" CONDUIT WITH DOOR SECURITY WIRING TO LOCAL 2-DOOR CONTROL PANEL/REMOTE DOOR CONTROL PANEL AS INDICATED ON DRAWINGS. REFER TO SECURITY ROUGH-IN DETAILS.
K	WALL MOUNTED SECURITY KEYPAD ENTRY STATION (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. KEYPAD AND CABLING.
KC	WALL MOUNTED COMBINATION KEYPAD/CARD READER (46" MH UNLESS NOTED OTHERWISE). 2-GANG BOX WITH 0.75" CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. DEVICE AND CABLING.
KS	WALL MOUNTED LOCAL LOCK OVERRIDE KEYSWITCH INCLUDING 1-GANG BOX (46" MH UNLESS NOTED OTHERWISE), STAINLESS STEEL FACEPLATE, AND 0.75" CONDUIT WITH WIRING.
LB	ELECTRONIC LATCH BOLT MONITORING. HARDWARE AND INSTALLATION BY OTHERS. LOW VOLTAGE WIRING. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SECURITY JUNCTION BOX ABOVE CEILING, REFER TO SECURITY ROUGH-IN DETAILS.
MD	CEILING MOUNTED MOTION DETECTOR. 1-GANG BOX MOUNTED IN CEILING, DETECTOR AND CABLING.
MD	WALL MOUNTED MOTION DETECTOR (90" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. MOTION DETECTOR. WALL MOUNT HARDWARE. AND CABLING.
MIC	CEILING MOUNTED SECURITY/CCTV SYSTEM AUDIO MICROPHONE. 1-GANG BOX MOUNTED IN CEILING, MICROPHONE AND CABLING.
PB W	WALL MOUNTED PUSH BUTTON FOR LOCAL ELECTRONIC DOOR RELEASE (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. BUTTON AND CABLING.
PL	SITE POLE FOR MOUNTING SECURITY CAMERAS (REFER TO SPECIFICATIONS FOR SIZE/TYPE). PROVIDE POLE WITH CONCRETE BASE AS INDICATED ON PLANS. EXTEND AND CONNECT TO SITE CONDUIT SYSTEM AS INDICATED ON PLANS. PROVIDE NEMA 3R JUNCTION BOX AT BASE OF POLE FOR CAMERA EQUIPMENT (120V POWER SUPPLY, FIBER CONVERTERS, ETC.). REFER TO SECURITY ROUGH-IN DETAILS.
PP W	WALL MOUNTED PANIC/DURESS BUTTON (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING. BUTTON AND CABLING.
PS X	LOCAL LOW VOLTAGE POWER SUPPLY FOR EXTERIOR CAMERA. SUBSCRIPT "X" INDICATES ASSOCIATED CAMERA. 120V POWER INTO LOCAL JUNCTION BOX ABOVE CEILING AND CONNECTION TO POWER SUPPLY, POWER SUPPLY MOUNTED ABOVE CEILING AND LOW VOLTAGE WIRING TO LOCAL CAMERA.
RX	REQUEST TO EXIT SWITCH IN DOOR HARDWARE BY OTHERS. LOW VOLTAGE WIRING. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, REFER TO SECURITY ROUGH-IN DETAILS.
WA	WALL/PEDESTAL MOUNT WAVE ACTIVATED DOOR DEVICE, FURNISHED BY OTHERS. BOX AS REQUIRED BY SYSTEM MANUFACTURER WITH INSTALLATION AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, ALL LOW VOLTAGE WIRING AND INTERFACE WITH SMS AND DOOR MOTOR. REFER TO SECURITY ROUGH-IN DETAILS.
WT	WALL MOUNTED WATCH TOUR BUTTON INCLUDING 1-GANG BOX (46" MH UNLESS NOTED OTHERWISE), STAINLESS STEEL FACEPLATE, AND 0.75" CONDUIT WITH WIRING.
X	WALL MOUNTED SECURITY SYSTEM WIRING OUTLET MOUNTED BELOW COUNTER TOP. 2-GANG BOX WITH 2-1" CONDUITS TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING, GROMMETED FACEPLATE AND SECURITY SYSTEM CABLING.

TECHNOLOGY SYMBOLS WITH ELEC. REQUIREMENTS

	CONDUIT SLEEVE / FIRE RATED SLEEVE ASSEMBLY THRU WALL (1-2" SLEEVE UNLESS NOTED OTHERWISE).
X	WALL MOUNTED DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO ABOVE ACCESSIBLE CEILING, JACKS, FACEPLATE AND CABLING. SUBSCRIPT "X" DESIGNATES QUANTITY OF DATA CABLES. REFER TO FACEPLATE DETAILS.
	WALL MOUNTED VOICE/DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO ABOVE ACCESSIBLE CEILING, JACKS, FACEPLATE AND CABLING. REFER TO FACEPLATE DETAILS.
	WALL MOUNTED PHONE OUTLET (48" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING. JACKS. FACEPLATE AND CABLING. REFER TO FACEPLATE DETAILS.
X	DATA OUTLET LOCATED ABOVE ACCESSIBLE CEILING. JACKS. PLENUM RATED SURFACE MOUNT BOX AND CABLING. SUBSCRIPT "X" DESIGNATES QUANTITY OF DATA CABLES. REFER TO FACEPLATE DETAILS.
AP	WALL MOUNTED WIRELESS ACCESS POINT (86" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING, WAP AND CABLING. REFER TO FACEPLATE DETAILS.
X	WALL MOUNTED AV OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUITS TO ABOVE ACCESSIBLE CEILING, REFER TO FACEPLATE DETAILS. JACKS. FACEPLATE AND CABLING. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.
	TELECOM BOX AND CONDUIT TO ABOVE ACCESSIBLE CEILING, REFER TO PLANS. REFER TO FACEPLATE DETAILS.
X	WALL MOUNTED AV OUTLET (84" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING, JACKS, FACEPLATE AND CABLING. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION. REFER TO FACEPLATE DETAILS.
X	WALL MOUNTED AV OUTLET (44" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING, JACKS, FACEPLATE AND CABLING. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION. REFER TO FACEPLATE DETAILS.
	CUSTOM OUTLET IN SURFACE RACEWAY. SURFACE RACEWAY, OUTLET, JACKS, FACEPLATE AND CABLING. REFER TO FACEPLATE DETAILS.
X	OUTLET LOCATED ABOVE ACCESSIBLE CEILING. JACKS, PLENUM RATED SURFACE MOUNT BOX AND CABLING. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION. # INDICATES OUTLET TYPE ON THIS LEGEND, REFER TO FACEPLATE DETAILS.
E X	FLOOR BOX WITH CONDUIT(S) TO ABOVE ACCESSIBLE CEILING, # INDICATES TYPE, REFER TO FLOOR BOX (FB) SCHEDULE. SUBSCRIPT "X" INDICATES TECHNOLOGY DEVICE(S), REFER TO TECHNOLOGY DETAILS.
G X	POKE-THRU, # INDICATES TYPE, REFER TO POKE-THRU (PT) SCHEDULE. SUBSCRIPT "X" INDICATES TECHNOLOGY DEVICE(S), REFER TO TECHNOLOGY DETAILS.

GENERAL FLOOR PLAN NOTES

B T2	DETAIL: B = DETAIL DESIGNATION T2 = SHEET WHERE DETAIL IS LOCATED
1 T2	SECTION: 1 = SECTION DESIGNATION T2 = SHEET WHERE SECTION IS LOCATED
T2 1	ELEVATION: 1 = ELEVATION DESIGNATION T2 = SHEET WHERE ELEVATION IS LOCATED
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
	LADDER TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
4	CONDUIT RUN IN WALL OR ABOVE CEILING.
4	CONDUIT RUN IN SLAB OR UNDERGROUND.
CM	CABLE MANAGEMENT SYSTEM PATHWAY.
XX X	DASH SYMBOL INDICATES PARTICULAR OUTLET, DEVICE, OR EQUIPMENT TO BE REMOVED AND SUPPORTING CABLING TO BE REMOVED BACK TO SOURCE OF ORIGIN UNLESS NOTED OTHERWISE.
XX X	EXISTING OUTLET, DEVICE, OR EQUIPMENT TO REMAIN. MAINTAIN EXISTING CABLING.
#	SURFACE MOUNTED OUTLET OR DEVICE. REFER TO PLANS AND DETAILS.

NOTE:
ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.
ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

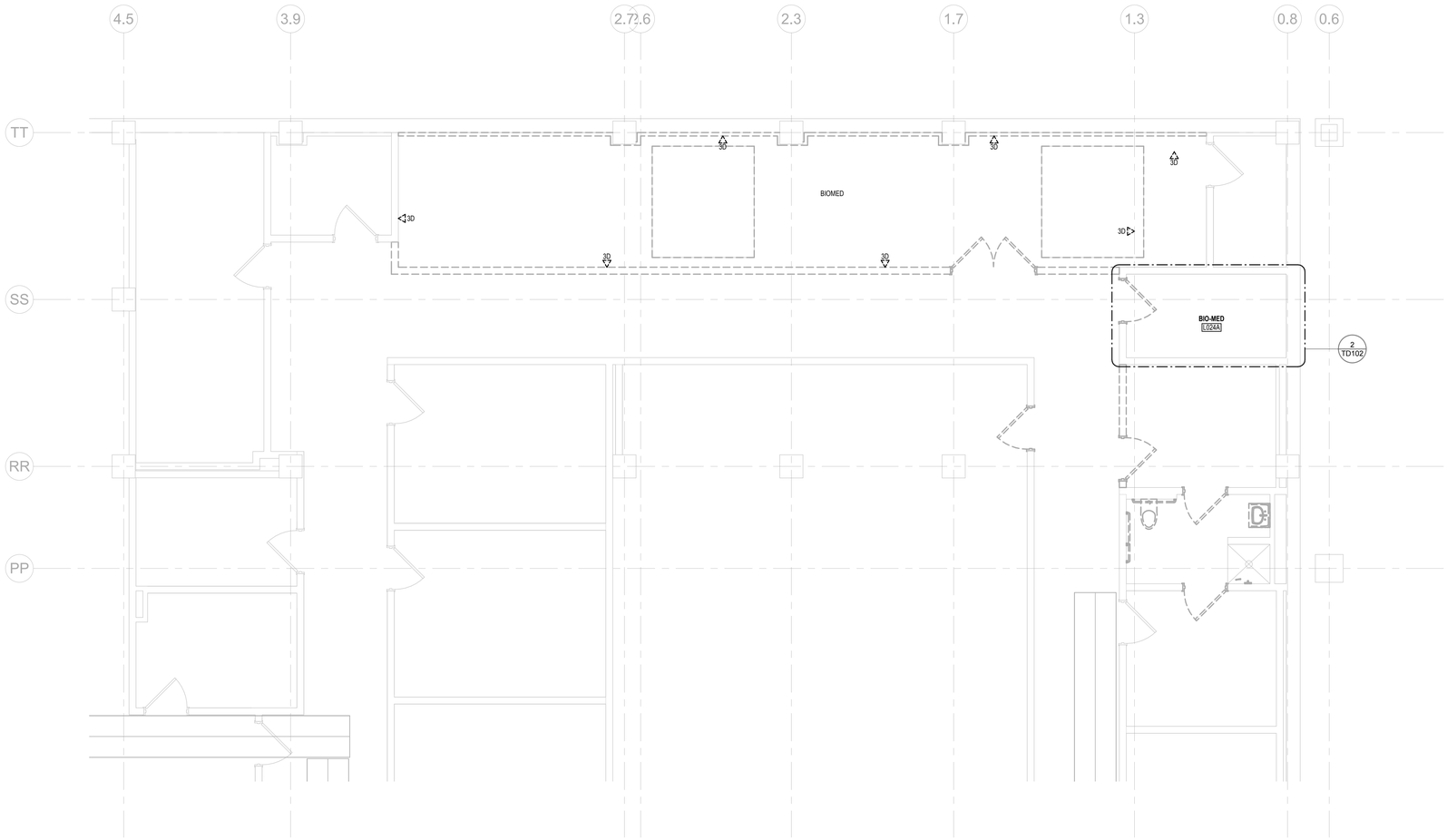
ABBREVIATIONS

AAP	- AREA ALARM PANEL - MEDICAL GAS
ACC	- ACCESS
ADJ	- ADJUSTABLE
AF	- ARC FAULT CIRCUIT INTERRUPTER
AFCI	- ARC FAULT CIRCUIT INTERRUPTER
AFF	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM
AFG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM
ALT	- ALTERNATE
AP	- ACCESS PANEL
APPROX	- APPROXIMATE
ARCH	- ARCHITECT OR ARCHITECTURAL
ASSY	- ASSEMBLY
ATS	- AUTOMATIC TRANSFER SWITCH
BLDG	- BUILDING
BOE	- BOTTOM OF EQUIPMENT
BOT	- BOTTOM
BTWN	- BETWEEN
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT	- CIRCUIT
CLG	- CEILING
CMU	- CONCRETE MASONRY UNIT
CONN	- CONNECT OR CONNECTION
CONTR	- CONTRACTOR
CORR	- CORRIDOR
CTR	- CENTER
D	- DEPTH
DET	- DETAIL
DIA	- DIAMETER
DIM	- DIMENSION
DIV	- DIVISION
DN	- DOWN
DWG	- DRAWING
EA	- EACH
EC	- ELECTRICA

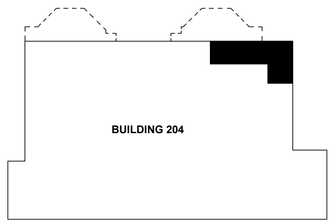
GENERAL NOTES

A. CAUTION - ORANGE JACKETED DATA CABLING IS CONNECTED TO TELEMETRY DEVICES. DO NOT REMOVE.

B. REMOVE ALL DATA CABLING IN THE EXISTING BIOMED AREA.



1 GROUND FLOOR - DEMOLITION PLAN
1/4" = 1'-0"



NORTH

SCOPE OF WORK

BUILDING OUTLINE

FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:

CONSULTANT

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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY GROUND FLOOR DEMOLITION PLAN

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT. HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: JDK

Drawn: GES

Project Number: 621-23-104

Building Number: 204

Drawing Number: TD100

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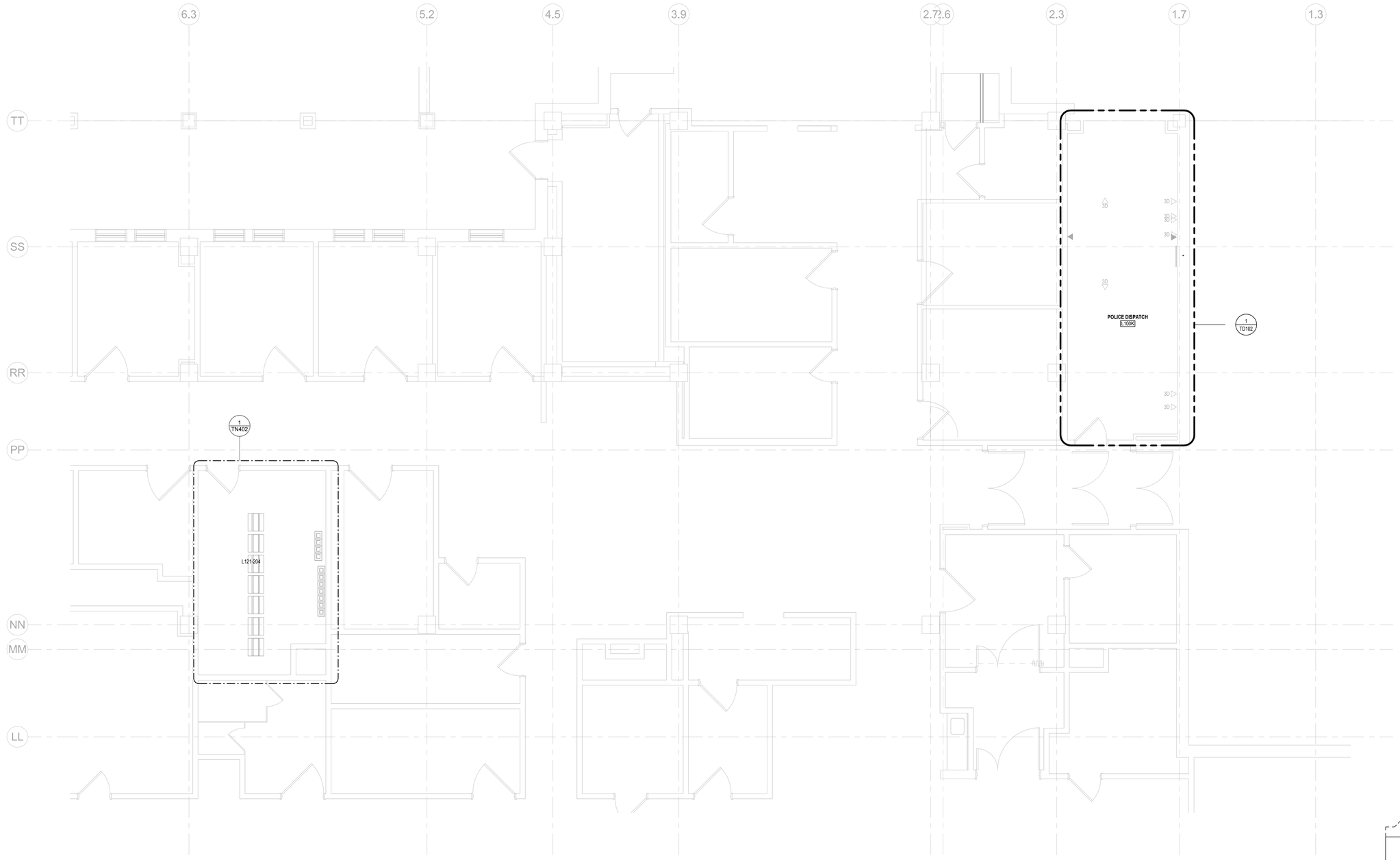
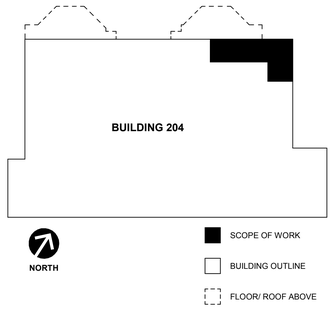


① FIRST FLOOR - DEMOLITION PLAN
1/4" = 1'-0"



KEY PLAN

No.	Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY FIRST FLOOR DEMOLITION PLAN

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Project Title: RELOCATE POLICE DISPATCH

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Drawing Number: TD101

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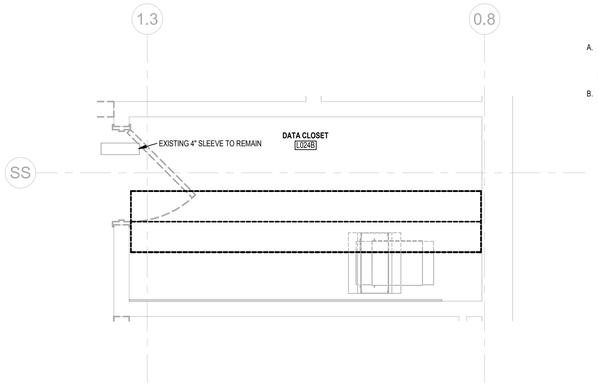
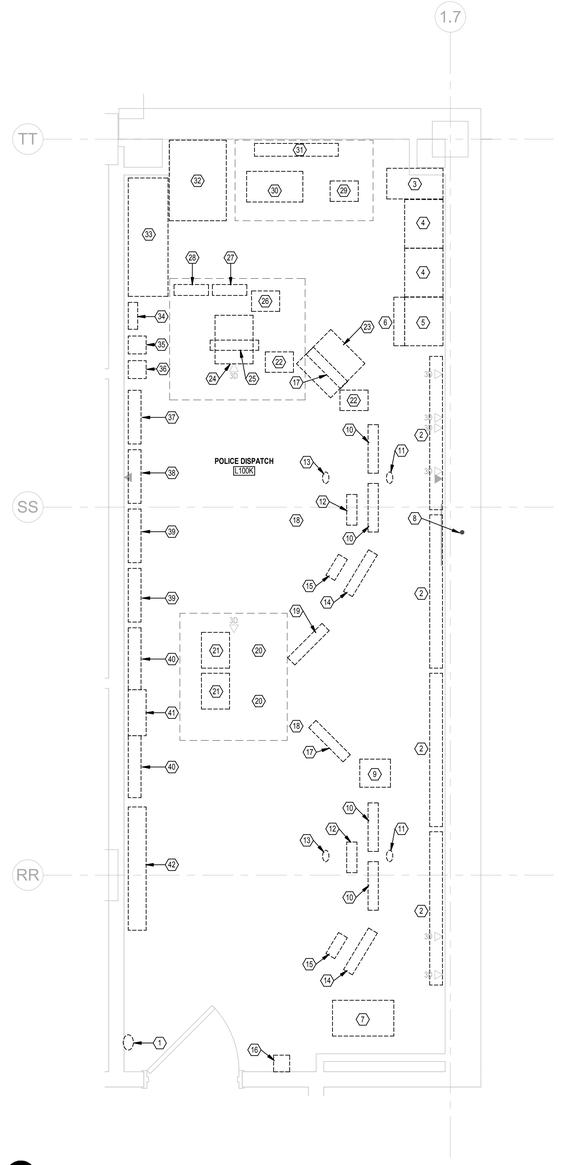


② GROUND LEVEL L024B ENLARGED DEMO - CABLE TRAY
1/2" = 1'-0"

GENERAL NOTES:

A. SUPPORT EXISTING BIOMED CABLE BUNDLES (APPROXIMATELY 40-CAT6 AND 1-12 STRAND FIBER) AND DEMO THE EXISTING CABLE TRAY. INSTALL NEW 6"W x 4"D CABLE TRAY. PLACE EXISTING CABLE BUNDLES BACK IN NEW CABLE TRAY.

B. DEMO EXISTING CABLE TRAY AND REPLACE WITH NEW 12"W x 4"D CABLE TRAY. SEE SHEET TN401 FOR ADDITIONAL INFORMATION.



① FIRST FLOOR DISPATCH ENLARGED PLAN - DEMOLITION
1/2" = 1'-0"

RESPONSIBILITY MATRICS:

BRACKETED (#) PERTAINS TO THE DRAWING NOTES:
DESCRIPTION THAT BEGINS WITH THE SYSTEM VENDOR OR THE RESPONSIBLE PARTY.
CONTRACTOR SHALL UTILIZE (MANUFACTURER) TO RELOCATE EQUIPMENT.

(1)	AVIGILON VENDOR
(2)	VA
(3)	CONTRACTOR
(4)	MOTOROLA VENDOR
(5)	EXISTING TO REMAIN
(6)	CONTRACTOR
(7)	SIMPLEX GRINNELL
(8)	MED GAS VENDOR

COORDINATE WITH VA FOR THEIR CURRENT MANUFACTURER'S POINT OF CONTACT.

GENERAL NOTES:

A. EXISTING EQUIPMENT TO REMAIN IN PLACE IN ROOM POLICE DISPATCH L100K. AFTER RENOVATION IS COMPLETE IN ROOM POLICE DISPATCH L024 AND FULLY COMMISSIONED. DISPATCH WILL ABANDON ROOM L100K AND OPERATE FROM NEW POLICE DISPATCH AREA L024.

B. ONCE POLICE DISPATCH L024 IS COMMISSIONED AND OPERATIONAL, EQUIPMENT IN POLICE DISPATCH L100K THAT IS ON DESKS/COUNTERTOPS AND OR SHELVES TO BE REMOVED AND RETURNED TO THE VA.

C. COORDINATE EQUIPMENT RELOCATION, DEMO AND/OR REMOVAL WITH ARCHITECTS PROJECT PHASING, VA POLICE, AND SYSTEMS VENDOR.

⬡ DRAWING NOTES:

1. (5) EXISTING FIRE EXTINGUISHER TO REMAIN IN ROOM L100K.
2. (2) REMOVE EXISTING 55" FLAT PANEL MONITOR AND MOUNTING AND TURN OVER TO THE VA. REMOVE CABLING BACK TO SOURCE COMPUTER.
3. (3) RELOCATE FILE CABINET TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024.
4. (3) REMOVE SHELF AND TURN OVER TO THE VA.
5. (3) EXISTING MOTOROLA SHELF. REMOVE SHELF AND TURN OVER TO THE VA.
6. (4) CONTRACT MOTOROLA VENDOR TO DEMO AND RELOCATE UPS, INSTALL, AND TEST FOR PROPER FUNCTIONALITY.
7. (1) ENSURE AVIGILON STATIONS ARE VIEWING VIDEO IN NEW DISPATCH. THEN AVIGILON VENDOR TO REMOVE PC FROM OLD DISPATCH AND TURN OVER TO THE VA.
8. (5) EXISTING GROUND BAR LOCATED ABOVE CEILING. EXISTING TO REMAIN. FROM ROOM L100K STUB OUT NEW 1.5" CONDUIT ABOVE GROUND BAR TO ROOM L024B.
9. (6) ENSURE TELEPHONES ARE FUNCTIONAL IN NEW DISPATCH. REMOVE TELEPHONES IN OLD DISPATCH AND TURN OVER TO THE VA.
10. (6) ENSURE NEW WORKSTATIONS ARE FUNCTIONAL IN NEW DISPATCH. THEN REMOVE PC FROM OLD DISPATCH AND TURN OVER TO THE VA.
11. (4) CONTRACT MOTOROLA VENDOR TO DEMO AND RELOCATE DESK MIC(S). INSTALL, AND TEST FOR PROPER FUNCTIONALITY.
12. (6) ENSURE NEW WORKSTATIONS ARE FUNCTIONAL IN NEW DISPATCH. THEN REMOVE KVM FROM OLD DISPATCH AND TURN OVER TO THE VA.
13. (4) CONTRACT MOTOROLA VENDOR TO DEMO AND RELOCATE FLOOR FOOT PEDAL(S), INSTALL, AND TEST FOR PROPER FUNCTIONALITY.
14. (1) ENSURE AVIGILON STATIONS ARE VIEWING VIDEO IN NEW DISPATCH. THEN AVIGILON VENDOR TO REMOVE PC FROM OLD DISPATCH AND TURN OVER TO THE VA.
15. (1) ENSURE AVIGILON STATIONS ARE ABLE TO CALL UP AND CONTROL CAMERA(S) IN NEW DISPATCH, THEN AVIGILON VENDOR TO REMOVE CAMERA PTZ JOYSTICK FROM OLD DISPATCH AND TURN OVER TO THE VA.
16. (6) RELOCATE EXISTING WEATHER RADIO TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024. ENSURE PROPER FUNCTIONALITY.
17. (4) REMOVE MOTOROLA RADIO ARE FULLY FUNCTIONAL IN NEW, THEN MOTOROLA VENDOR TO REMOVE MONITORS FROM OLD DISPATCH AND TURN OVER TO THE VA.
18. (4) EXISTING UNDER DESK JACK FOR HEADPHONES/MIC TO MOTOROLA RADIO SYSTEM IN THIS AREA.
19. (2) CONFIRM NCIC CAN BE VIEWED AT NEW DISPATCH WORKSTATIONS, ONCE CONFIRMED, REMOVE AND RETURN MONITORS. REMOVE CABLING BACK TO SOURCE COMPUTER.
20. (6) ENSURE AIPHONE INTERCOM(S) ARE FULLY FUNCTIONAL IN NEW DISPATCH, THEN REMOVE AIPHONE EQUIPMENT FROM OLD DISPATCH AND TURN OVER TO THE VA.
21. (6) RELOCATE PRINTER(S) TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024.
22. (6) RELOCATE TELEPHONE(S) TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024.
23. (4) PULL ANTENNA COAX THROUGH CONDUIT CONTRACT MOTOROLA TO RELOCATE BASE RADIO WITH MIC TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT AT L024.
24. (7) VA TO WORK WITH SIMPLEX GRINNELL VENDOR TO RELOCATE FIRE ALARM PC, INSTALL, AND TEST FOR PROPER FUNCTIONALITY. COORDINATE WITH ARCHITECTS PHASING AND VA POLICE.
25. (7) EXISTING SIMPLEX 4100 MONITOR. MOVE WITH PLAN NOTE 24.
26. (2) COORDINATE WITH ARCHITECTS PHASING. MUST HAVE A MINIMUM ONE WORKSTATION ATTENDED IN THE NEW DISPATCH BEFORE MOVING "RED" TELEPHONE/ EQUIPMENT.
27. (4) CONTRACT MOTOROLA VENDOR TO DEMO PC, MONITOR, AND KEYBOARD/MOUSE INSTALL, AND TEST FOR PROPER FUNCTIONALITY.
28. (4) CONTRACT MOTOROLA VENDOR TO DEMO CALL LOGGER PC, MONITOR, AND KEYBOARD/MOUSE INSTALL. AFTER NEW CALL LOGGER SYSTEM IS IN PLACE AT NEW DISPATCH. RETURN REMOVED EQUIPMENT TO VA.
29. (3) VA TO RELOCATE COFFEE MAKER TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024.
30. (3) VA TO RELOCATE MICROWAVE TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024.
31. (3) VA TO RELOCATE EXISTING 3-SHELVES TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024.
32. (3) VA TO RELOCATE EXISTING REFRIGERATOR TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024.
33. (3) VA TO RELOCATE EXISTING LOCKERS TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024.
34. (3) VA TO RELOCATE EXISTING "COLLEGE PHONE" LINE TO NEW SPACE, AND COORDINATE WITH ARCHITECT ROOM LAYOUT L024.
35. (3) VA TO RELOCATE EXISTING "FLOOD AREA ALARM" TO NEW SPACE, AND COORDINATE WITH VA AND ARCHITECT ROOM LAYOUT L024.
36. (3) VA TO RELOCATE EXISTING "CAMPUS EMERGENCY ALARM" TO NEW SPACE, AND COORDINATE WITH VA AND ARCHITECT ROOM LAYOUT L024.
37. (8) VA CONTRACT MEDICAL GAS VENDOR TO DEMO MEDICAL GAS ALARM. INSTALL IN NEW DISPATCH AREA, COORDINATE WITH VA MED GAS VENDOR AND ARCHITECT ROOM LAYOUT L024.
38. (5) EXISTING NURSE CALL SYSTEM TO REMAIN IN ROOM L100K.
39. (2) VA TO CONTRACT OR PERFORM "IN-HOUSE GENERATOR ALARM" RELOCATION TO NEW POLICE DISPATCH ROOM L024. COORDINATE WITH VA AND ARCHITECT ROOM LAYOUT L024.
40. (2) VA TO CONTRACT SEPARATELY FIRE ALARM VENDOR FOR RELOCATION OF SIMPLEX GRINNELL 4100 FACP TO NEW POLICE DISPATCH ROOM L024. COORDINATE WITH VA FIRE ALARM VENDOR AND ARCHITECT ROOM LAYOUT L024.
41. (2) VA TO CONTRACT SEPARATELY FIRE ALARM VENDOR FOR RELOCATION OF DSC COMMUNICATOR TO NEW POLICE DISPATCH ROOM L024. COORDINATE WITH VA FIRE ALARM VENDOR AND ARCHITECT ROOM LAYOUT L024.
42. (2) VA TO REMOVE TV AND MOUNTING HARDWARE AND STORE FOR FUTURE USE.

No.	Revisions:	Date:

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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED PLANS

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT. HOME, TENNESSEE

Issue Date: 12/09/2024 | Checked: JMC | Drawn: GES

Project Number: 621-23-104

Building Number: 204

Drawing Number: TD102

VA FORM 08 - 6231

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GENERAL NOTES

A. SLEEVE PENETRATIONS THROUGH WALLS/FLOORS WITH FIRE RATINGS ARE THE RESPONSIBILITY OF DIVISIONS MAKING THE PENETRATION. RATINGS FOR PENETRATIONS AS INDICATED ON SHEET AE111.

B. COORDINATE FINAL CABLE PATHWAYS IN THE FIELD WITH VA PRIOR TO WORK.

C. AT THE END OF EVERY WORK SHIFT, FOR AREAS OUTSIDE OF DEFINED CONSTRUCTION BOUNDARY, CONFIRM ALL DISPLACED CEILING TILES ARE RESET INTO PLACE. ALL LAY-IN CEILING GRID SHALL BE IN THE SAME DIRECTION AND EQUAL FROM OPPOSING EDGES OF ROOM UNLESS OTHERWISE NOTED.

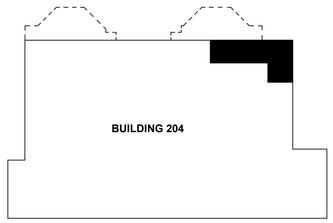
D. ENSURE TO FOLLOW THE ICRA PLANNING AND EXECUTION AS OUTLINED ON SHEET GI120.

E. SEE SHEET FIBER RISER DIAGRAM TN602 FOR MORE INFORMATION.

DRAWING NOTES

1. PROVIDE ARMORED SM 12 STRAND FIBER, NEW 2" PATHWAY, AND SLEEVES FROM L024B IN BUILDING 204, THROUGH CORRIDORS TO B77 PATH WILL GO UP THROUGH FLOORS. CORE DRILL AND SEAL PATHWAY BETWEEN: GROUND, FIRST, SECOND, AND THIRD FLOORS AND END IN B77 ROOM 3A109 SERVER ROOM.
2. APPROXIMATE LOCATION OF VA TR L121 ABOVE. TR TO BE UTILIZED FOR NEW VA DATA CABLING.
3. NEW 1.5" CONDUIT FOR MOTOROLA ANTENNA. ROUTE CONDUIT TIGHT TO THE DECKING WHILE MAINTAINING BEND RADIUS. COORDINATE BEND RADIUS WITH MOTOROLA VENDOR.

1 TECHNOLOGY GROUND FLOOR PLAN OVERALL - NEW
1/16" = 1'-0"



SCOPE OF WORK
BUILDING OUTLINE
FLOOR/ ROOF ABOVE

KEY PLAN

No.	Revisions:	Date:

CONSULTANT

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TECHNOLOGY GROUND FLOOR OVERALL NEW WORK PLAN	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
			Building Number: 204, 77
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Drawing Number: TN100
		Issue Date: 12/09/2024 · Checked: JDK · Drawn: GES	

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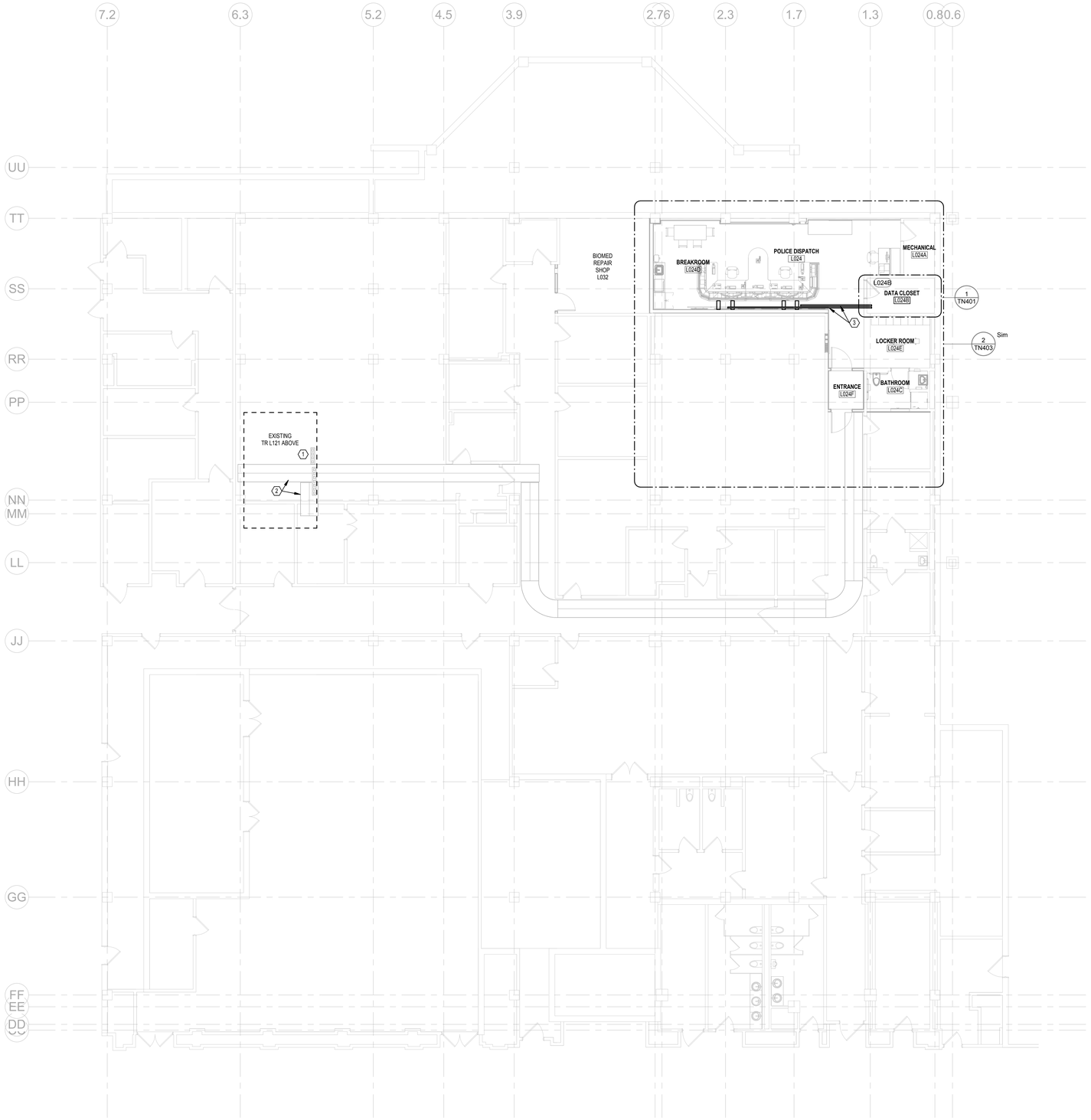


1 TECHNOLOGY GROUND FLOOR PLAN - NEW
1/8" = 1'-0"

GENERAL NOTES

A. SLEEVE PENETRATIONS THROUGH WALLS/FLOORS WITH FIRE RATINGS ARE THE RESPONSIBILITY OF DIVISIONS MAKING THE PENETRATION. RATINGS FOR PENETRATIONS AS INDICATED ON SHEET AE111.

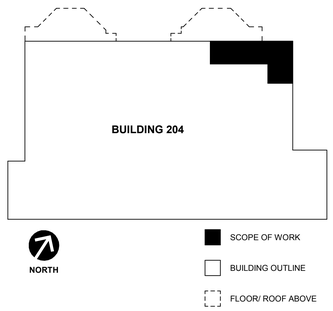
B. COORDINATE FINAL CABLE PATHWAYS IN THE FIELD WITH VA PRIOR TO WORK.

C. AT THE END OF EVERY WORK SHIFT, FOR AREAS OUTSIDE OF DEFINED CONSTRUCTION BOUNDARY, CONFIRM ALL DISPLACED CEILING TILES ARE RESET INTO PLACE. ALL LAY-IN CEILING GRID SHALL BE IN THE SAME DIRECTION AND EQUAL FROM OPPOSING EDGES OF ROOM UNLESS OTHERWISE NOTED.

D. ENSURE TO FOLLOW THE ICRA PLANNING AND EXECUTION AS OUTLINED ON SHEET GI120.

DRAWING NOTES:

1. (11) EXISTING FLOOR SLEEVES UP TO TR L121-204. ALL NEW VA DATA TO BE CABLED TO THIS ROOM.
2. EXISTING WIRE TRAY ABOVE CEILING. UTILIZE FOR NEW DATA CABLING.
3. QUANTITY OF TWO (2") EMT CONDUITS ABOVE CEILING FOR MONITOR AND CONSOLE CABLING. COORDINATE ROUTING IN FIELD WITH OTHER TRADES.



KEY PLAN

No.	Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: TECHNOLOGY GROUND FLOOR NEW WORK PLAN

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT. HOME, TENNESSEE

Issue Date: 12/09/2024 | Checked: JDK | Drawn: GES

Project Number: 621-23-104

Building Number: 204

Drawing Number: TN101

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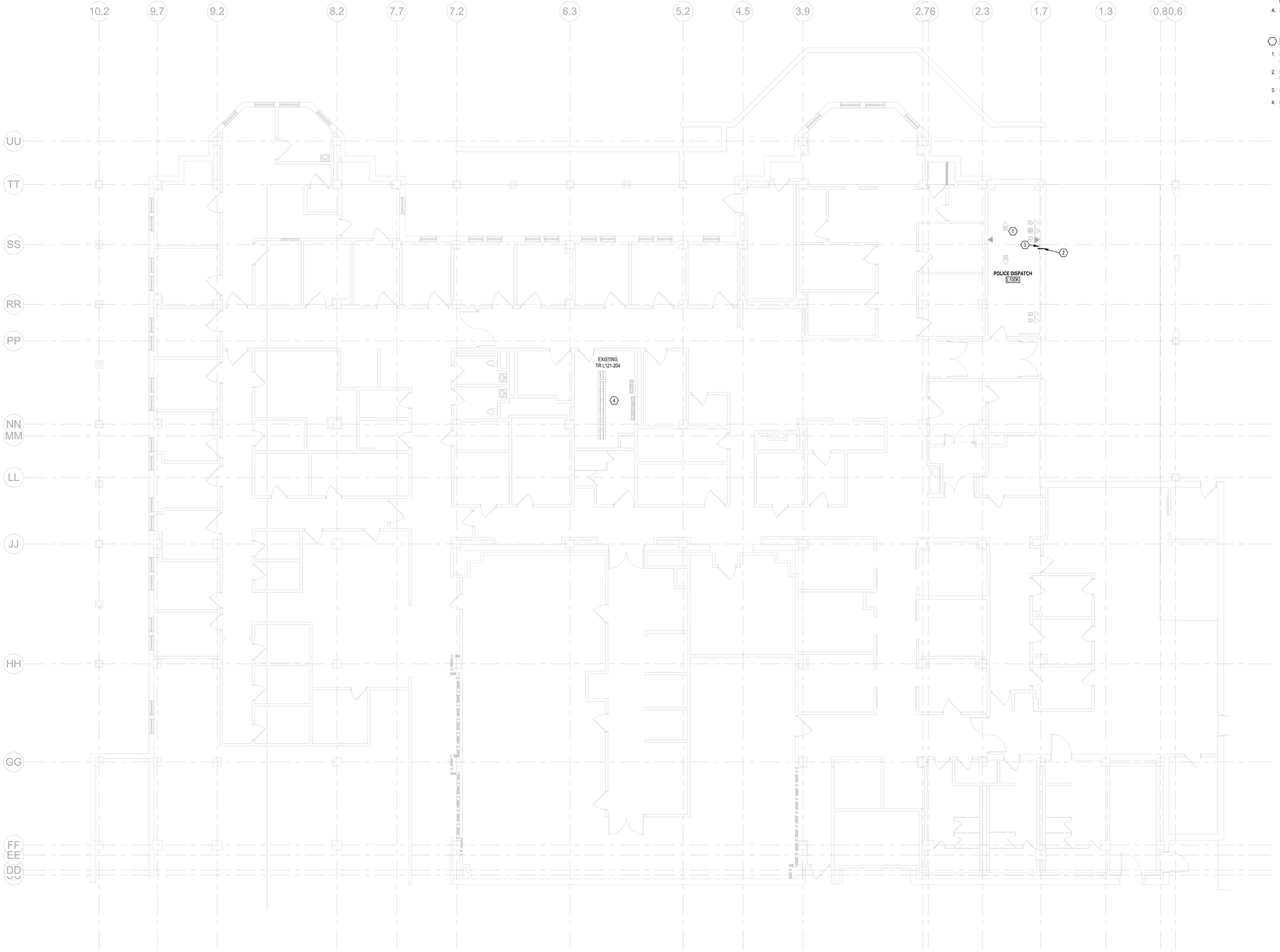


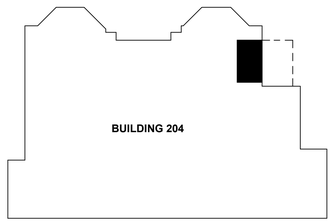
1 TECHNOLOGY FIRST FLOOR PLAN - NEW
1/8" = 1'-0"

GENERAL NOTES:

A. SEE SHEET FIBER RISER DIAGRAM TN602 FOR MORE INFORMATION.

DRAWING NOTES:

1. EXISTING POLICE DISPATCH AREA. SEE SHEET TN403 - ENLARGED PLANS FOR ADDITIONAL INFORMATION.
2. NEW 1.5" CONDUIT FROM FIRST FLOOR EXISTING GROUND BUS BAR TO GROUND FLOOR, ROOM L024B AS PATHWAY FOR MOTOROLA CABLING.
3. EXISTING GROUND BAR ABOVE CEILING TO REMAIN.
4. RUN DATA CABLES SERVING THE NEW POLICE DISPATCH L024 AND L024B FROM TR L121-204 USING ONE OF THE OPEN 4" SLEEVES GOING BETWEEN FLOORS.



KEY PLAN

No.	Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

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Expires 12-31-24
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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TECHNOLOGY FIRST FLOOR NEW WORK PLAN	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Building Number: 204
		Issue Date: 12/09/2024 · Checked: JDK · Drawn: GES	Drawing Number: TN102

VA FORM 08 - 6231

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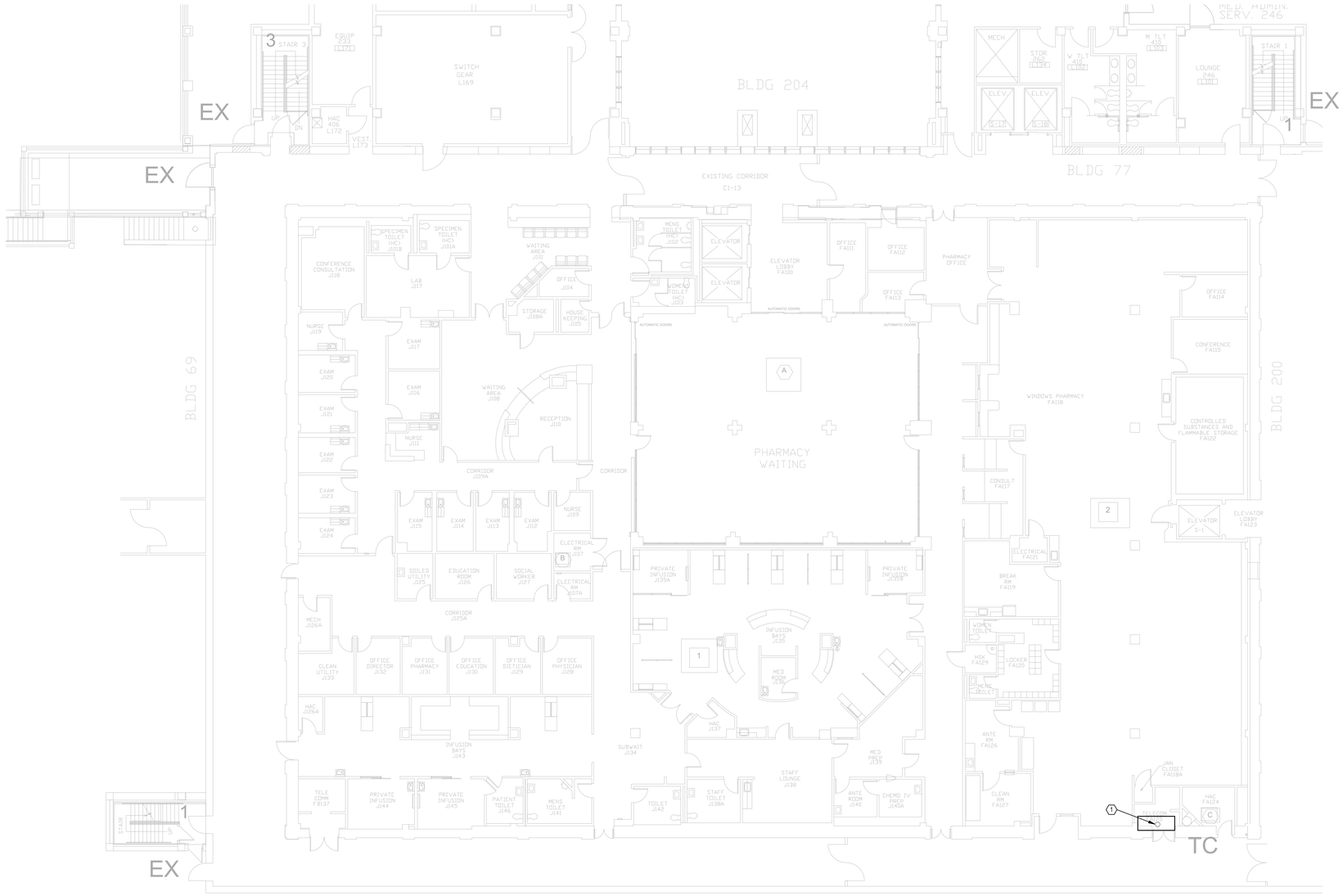
12/9/2024 11:52:13 AM

GENERAL NOTES:

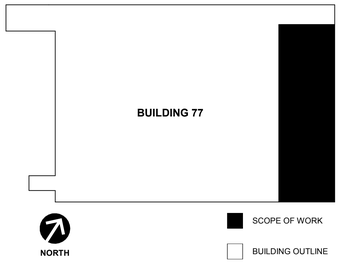
A. SEE SHEET FIBER RISER DIAGRAM TN602 FOR MORE INFORMATION.

DRAWING NOTES

1. PROVIDE ARMORED SM 12 STRAND FIBER, NEW 2" PATHWAY, AND SLEEVES FROM L024B IN BUILDING 204. THROUGH CORRIDORS TO B77 PATH WILL GO UP THROUGH FLOORS. CORE DRILL AND SEAL PATHWAY BETWEEN: GROUND, FIRST, SECOND, AND THIRD FLOORS AND END IN B77 ROOM 3A109 SERVER ROOM.



① TECHNOLOGY FIRST FLOOR PLAN BUILDING 77 - NEW
1/8" = 1'-0"



KEY PLAN

No.	Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TECHNOLOGY FIRST FLOOR NEW WORK PLAN BUILDING 77	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
			Building Number: 77
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Drawing Number: TN103
		Issue Date: 12/09/2024 · Checked: JDK · Drawn: GES	

VA FORM 08 - 6231

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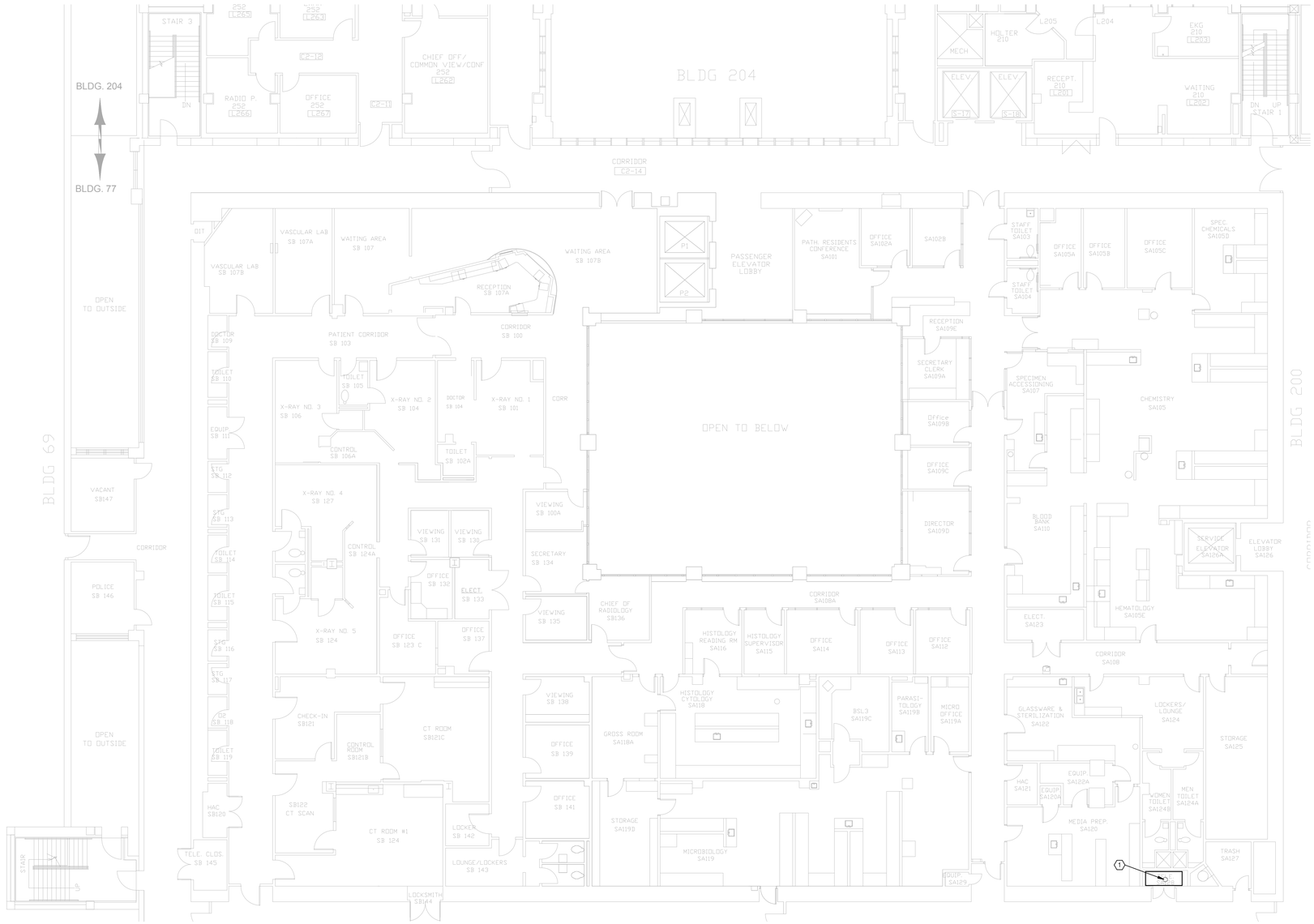
GENERAL NOTES:

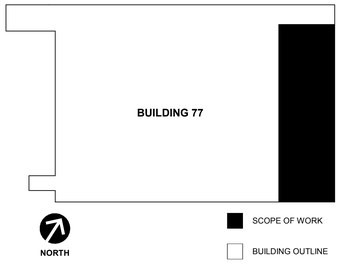
A. SEE SHEET FIBER RISER DIAGRAM TN602 FOR MORE INFORMATION.

DRAWING NOTES

1. PROVIDE ARMORED SM 12 STRAND FIBER, NEW 2" PATHWAY, AND SLEEVES FROM L024B IN BUILDING 204, THROUGH CORRIDORS TO B77 PATH WILL GO UP THROUGH FLOORS. CORE DRILL AND SEAL PATHWAY BETWEEN: GROUND, FIRST, SECOND, AND THIRD FLOORS AND END IN B77 ROOM 3A109 SERVER ROOM.



1 B204 - EXISTING SECOND FLOOR
1/8" = 1'-0"



KEY PLAN

No.	Revisions:	Date:

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Drawing Title	TECHNOLOGY SECOND FLOOR NEW WORK PLAN BUILDING 77
Approved: Owner	
Phase	CONSTRUCTION DOCUMENTS 100%
	FULLY SPRINKLERED
Project Title	RELOCATE POLICE DISPATCH
Project Number	621-23-104
Building Number	77
Location	MT. HOME, TENNESSEE
Issue Date	12/09/2024
Checked	JDK
Drawn	GES
Drawing Number	TN104

VA FORM 08 - 6231

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GENERAL NOTES

A. SLEEVE PENETRATIONS THROUGH WALLS/FLOORS WITH FIRE RATINGS ARE THE RESPONSIBILITY OF DIVISIONS MAKING THE PENETRATION. RATINGS FOR PENETRATIONS AS INDICATED ON SHEET AE111.

B. COORDINATE FINAL CABLE PATHWAYS IN THE FIELD WITH VA PRIOR TO WORK.

C. AT THE END OF EVERY WORK SHIFT, FOR AREAS OUTSIDE OF DEFINED CONSTRUCTION BOUNDARY, CONFIRM ALL DISPLACED CEILING TILES ARE RESET INTO PLACE. ALL LAY-IN CEILING GRID SHALL BE IN THE SAME DIRECTION AND EQUAL FROM OPPOSING EDGES OF ROOM UNLESS OTHERWISE NOTED.

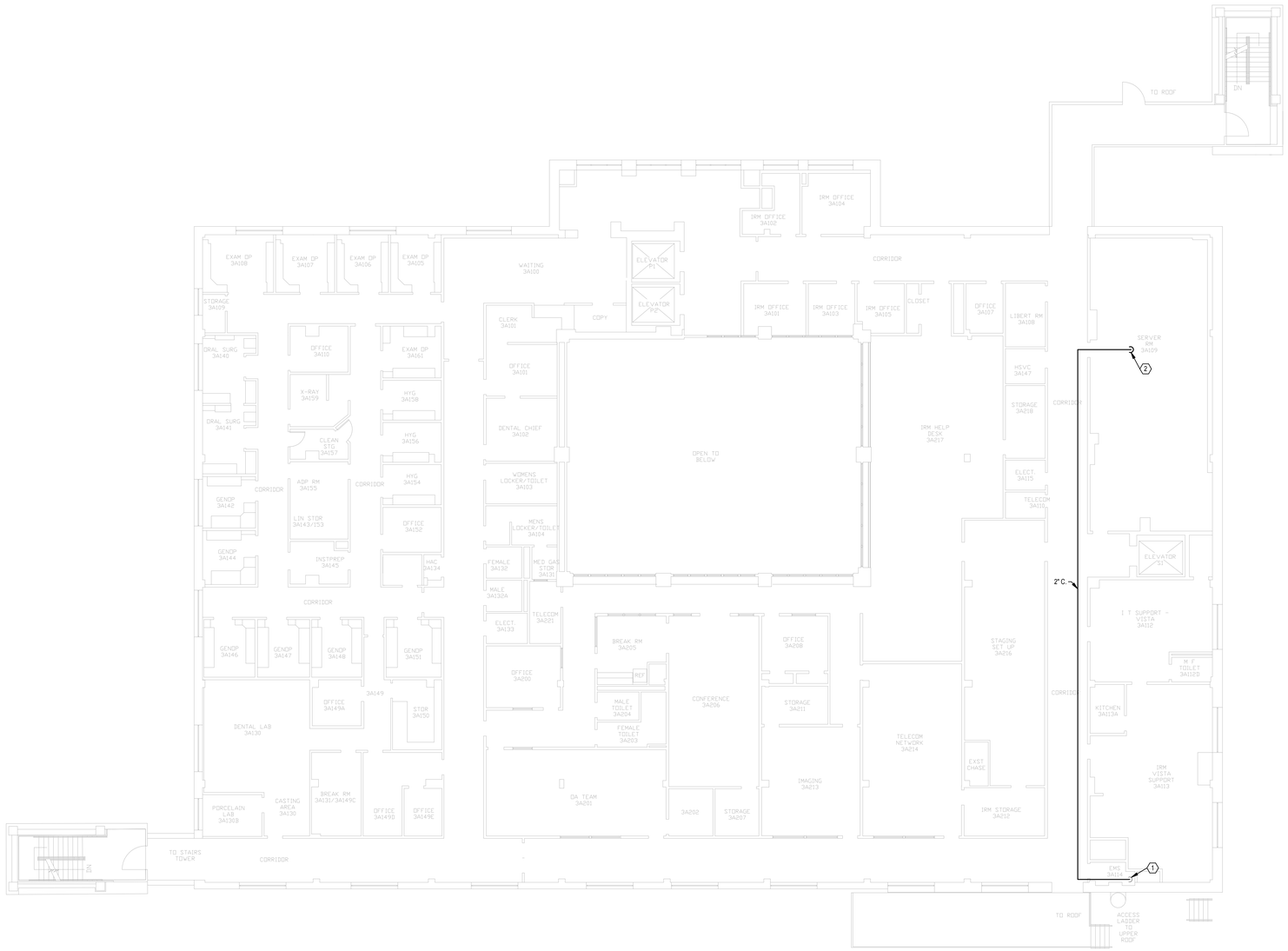
D. ENSURE TO FOLLOW THE ICRA PLANNING AND EXECUTION AS OUTLINED ON SHEET GI120.

E. SEE SHEET FIBER RISER DIAGRAM TN602 FOR MORE INFORMATION.

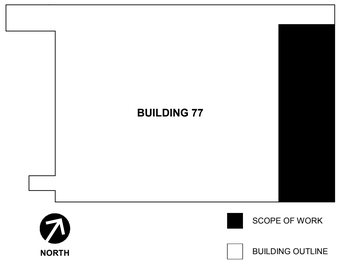
DRAWING NOTES

1. PROVIDE ARMORED SM 12 STRAND FIBER, NEW J-HOOK PATHWAY, AND SLEEVES FROM L024B IN BUILDING 204, THROUGH CORRIDORS TO B77 PATH WILL GO UP THROUGH FLOORS. CORE DRILL AND SEAL PATHWAY BETWEEN: GROUND, FIRST, SECOND, AND THIRD FLOORS AND END IN B77 ROOM 3A109 SERVER ROOM.

2. PROVIDE NEW RACK MOUNTED, 1RU FIBER TERMINATION CABINET WITH DUPLEX LC BULKHEADS AND FIBER SPLICE MANAGEMENT TRAYS TO SERVE NEW POLICE SSTV FIBER. COORDINATE CABINET LOCATION WITH VA OIT.



1 B204 - EXISTING THIRD FLOOR
1/8" = 1'-0"



KEY PLAN

No.	Revisions:	Date:

CONSULTANT

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Drawing Title	TECHNOLOGY THIRD FLOOR NEW WORK PLAN BUILDDING 77
Approved: Owner	
Phase	CONSTRUCTION DOCUMENTS 100%
	FULLY SPRINKLERED
Project Title	RELOCATE POLICE DISPATCH
Project Number	621-23-104
Building Number	77
Location	MT. HOME, TENNESSEE
Issue Date	12/09/2024
Checked	JDK
Drawn	GES
Drawing Number	TN105

12/9/2024 11:52:21 AM

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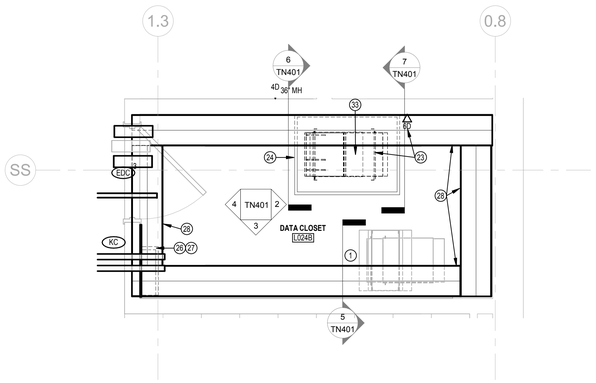
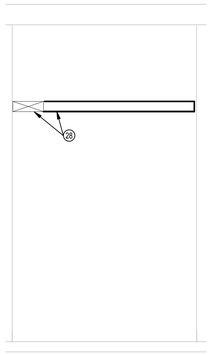
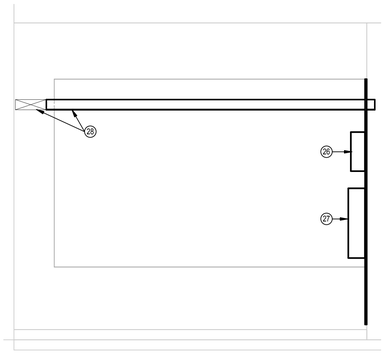
VA FORM 08 - 6231



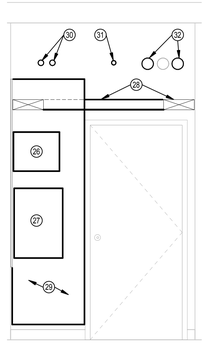
1 NEW DISPATCH EQUIPMENT ROOM
1/2" = 1'-0"



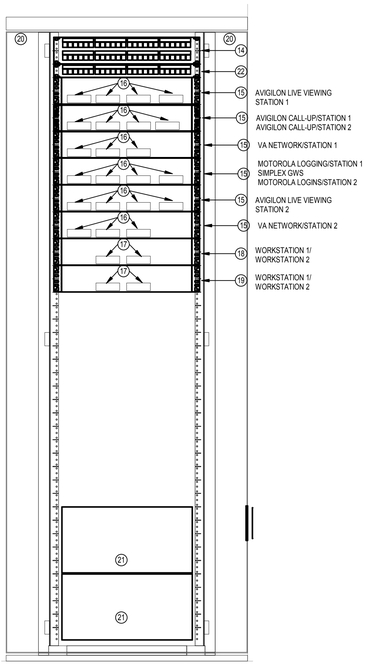
2 DISPATCH NEW ER - EAST WALL
1/2" = 1'-0"



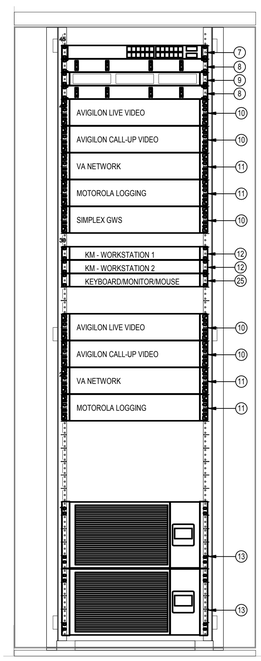
3 DISPATCH NEW ER - SOUTH WALL
1/2" = 1'-0"



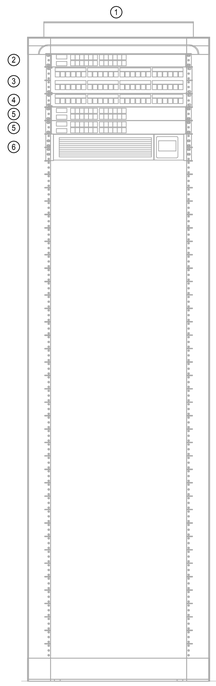
4 DISPATCH NEW ER - WEST WALL
1/2" = 1'-0"



7 DISPATCH EQUPMENT RACK - REAR ELEVATION
1 1/2" = 1'-0"



6 DISPATCH EQUIPMENT RACK - FRONT ELEVATION
1 1/2" = 1'-0"



5 EXISTING BIOMED - RACK ELEVATION
1 1/2" = 1'-0"

DETAIL NOTES

1. EXISTING PHILIPS PHYSIO MONITORING RACK AND EQUIPMENT TO BE MAINTAINED.
2. EXISTING PHILIPS PHYSIO MONITORING FIBER TO BE MAINTAINED.
3. EXISTING PHILIPS PHYSIO MONITORING 48 PORT PATCH PANEL TO BE MAINTAINED.
4. EXISTING PHILIPS PHYSIO MONITORING EQUIPMENT TO BE MAINTAINED.
5. EXISTING PHILIPS PHYSIO MONITORING SWITCH TO BE MAINTAINED.
6. EXISTING UPS TO BE MAINTAINED.
7. NEW AVIGILON CCTV NETWORK SWITCH. PROVIDE 24 PORT 100/1000 GbE SWITCH WITH DUAL SFP+ 10GbE UPLINK PORTS, 1- 10GbE SFP+ MODULE, POE+ ON ALL PORTS, 1100W POWER SUPPLY.
8. 1RU HORIZONTAL WIRE MANAGER.
9. NEW FIBER TERMINATION CABINET FOR AVIGILON CCTV NETWORK FIBER BACKBONE.
10. RACK MOUNT PC, REFER TO SYSTEM DIAGRAMS. REFER TO SYSTEM VENDOR FOR PC SPECIFICATIONS.
11. RACK MOUNT PC FURNISHED BY VA, INSTALLED BY CONTRACTOR, REFER TO SYSTEM DIAGRAMS. PROVIDE RACK MOUNT SHELF.
12. RACK MOUNTED 8-PORT USB KM.
13. RACK MOUNT 5KVA UPS WITH BATTERY MODULE, (BOD APC SRT5KRMXL-5KTF WITH L6-30P CORD AND PLUG, OR EQUAL).
14. RACK MOUNT CAT 6 SHIELDED TWISTED PAIR PATCH PANEL FOR HDMI AND USB EXTENDERS.
15. 2RU RACK SHELF WITH HDBASET EXTENDERS FOR INDICATED DISPLAYS.
16. HDBASE T EXTENDER WITH POWER SUPPLY.
17. USB 2.0 DUAL PORT TWISTED PAIR EXTENDER WITH POWER SUPPLY.
18. 2RU RACK SHELF WITH USB 2.0 EXTENDERS FOR INDICATED KEYBOARD/MOUSE.
19. 2RU RACK SHELF WITH USB 2.0 EXTENDERS FOR INDICATED AVIGILON JOYSTICK CONTROLLER.
20. 0RU VERTICAL PDU WITH 120V-20A INPUT, MINIMUM TWELVE (12) L5-15R OUTLETS WITH WIDE SPACING TO SUPPORT POWER PACKS FOR USB AND HDBASET POWER SUPPLIES. ONE PDU TO BE FED FROM EACH UPS.
21. RACK MOUNTED COMPUTER PCs TO CONNECT TO L5-20R RECEPTACLES ON UPS, TWO (2) PC PER CIRCUIT.
22. 24 PORT MODULAR PATCH PANEL. PROVIDE SIX (6) PORTS WITH CAT 6A JACKS FOR VA NETWORK CABLING TERMINATION.
23. DATA DROPS TO BE TERMINATED IN RACK MOUNTED PATCH PANEL IN REAR OF CABINET AND NOT IN WALL BOX.
24. NEW POLICE DISPATCH SERVER CABINET, 45RU, 23"W, 42"DP, PERFORATED FRONT DOOR, SPLIT PERFORATED REAR DOORS, VERTICAL REAR EXHAUST DUCT. PROVIDE THERMAL MANAGEMENT BLANKING PANELS AND AIR DAMS AS REQUIRED. (BOD CHATSWORTH ZETA FRAME SERIES CABINET SYSTEM, OR EQUAL).
25. PROVIDE RACK MOUNT FLIP UP KEYBOARD/MONITOR/MOUSE WITH 4-PORT KVM.
26. NEW, 8-DOOR WITH NETWORK CONTROLLER - HIRSCH IDENTIV CONTROLLER.
27. NEW POWER SUPPLY FOR DOOR LOCK AND DOOR CONTROLLER POWER. REQUIRES EMERGENCY 120V AC POWER CONNECTION BY DIVISION 26 THAT IS HARDWIRED INTO POWER SUPPLY (BOD ALTRONIX MAXIMAL, OR EQUAL).
28. NEW 12"x4" WIRE MESH CABLE TRAY TO REPLACE EXISTING TRAY.
29. NEW 5/8" PLYWOOD BACKBOARD.
30. NEW 2- 2" CONDUITS FOR MONITOR WALL CABLE SUPPORT AND PROTECTION.
31. NEW 1-1.5" MOTOROLA ANTENNA CONDUIT FROM.
32. NEW 2-4" SLEEVES.
33. DIVISION 26 TO PROVIDE TWO (2) L6-30R EMERGENCY RECEPTACLES AND ONE (1) L6-30R NORMAL POWER RECEPTACLE MOUNTED ABOVE THE RACK.

COMPUTER PC NOTES

A. ALL COMPUTERS PROVIDED UNDER THIS CONTRACT SHALL BE CONFIGURED AS REQUIRED BY THE SYSTEM MANUFATURER AND AS CLARIFIED BELOW
B. AVIGILON LIVE VIDEO - RACK MOUNT FORM FACTOR, 2RU, 600W POWER SUPPLY, PROCESSOR, GPU AND RAM TO SUPPORT SIXTEEN (16) FULL RESOLUTION, 20IPS VIDEO FEEDS TO EACH OF FOUR (4) 55" FLAT PANEL DISPALYS.
C. AVIGILON CALL-UP VIDEO - RACK MOUNT FORM FACTOR, 2RU, 450W POWER SUPPLY, PROCESSOR, GPU AND RAM TO SUPPORT SIXTEEN (16) FULL RESOLUTION, 20IPS VIDEO FEEDS TO ONE (1) 55" FLAT PANEL DISPALY AND FULL FRAME/FULL RESOLUTION LIVE/RECORDED VIDEO TO 22" DESK TOP MONITOR, AND INTERFACE WITH AVIGILON JOYSTICK CONTROLLER.
D. SIMPLEX GWS - SIMPLEX TRUESITE WORKSTATION SERVER, DESKTOP FORM FACTOR WITH RACK MOUNTING SHELF, CONNECT TO 22" DESKTOP MONITOR, AND USB KEYBOARD/MOUSE VIA LOCAL KVM.

No.	Revisions:	Date:

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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: DISPATCH EQUIPMENT ROOM ENLARGED PLANS

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT. HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: JDK

Drawn: GES

Project Number: 621-23-104

Building Number: 204

Drawing Number: TN401

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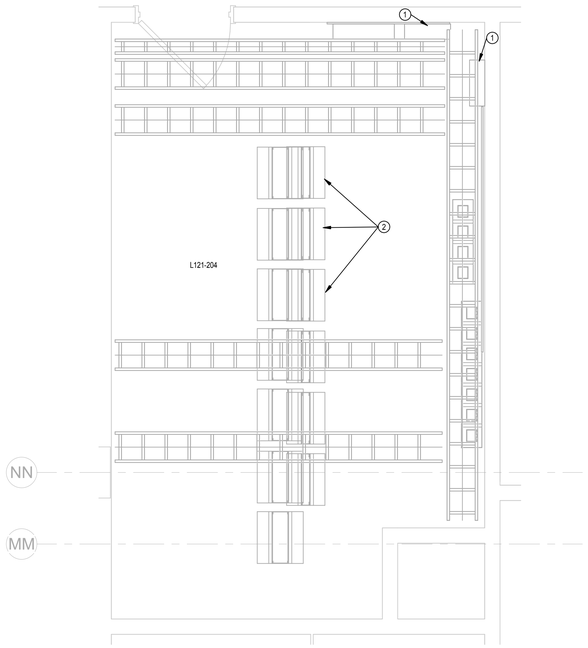
DETAIL NOTES

1. EXISTING HIRSCH PHYSICAL ACCESS CONTROL SYSTEM.
2. CONFIRM/COORDINATE WITH VA OIT FOR NEW CAT6A PATCH PANEL FOR DATA CABLING FOR THE NEW POLICE DISPATCH ROOM L024 AND L024B.



1 **B204 - EXISTING FIRST FLOOR - TR-L121-204**
1/2" = 1'-0"

No.	Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

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BICSI ID # 1379910
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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: ENLARGED TR L121-204

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT. HOME, TENNESSEE

Issue Date: 12/09/2024 | Checked: JCM | Drawn: GES

Project Number: 621-23-104

Building Number: 204

Drawing Number: TN402

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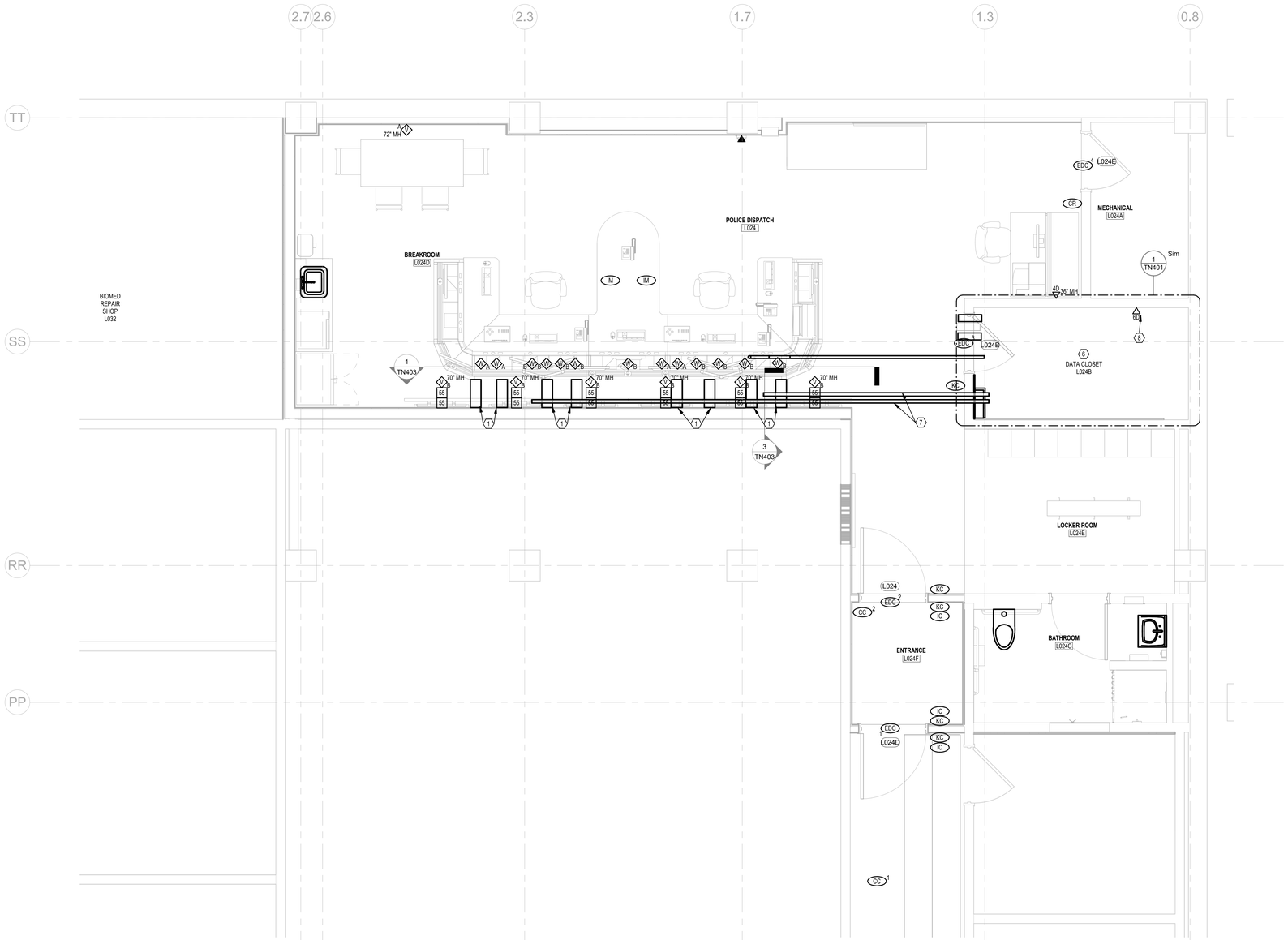
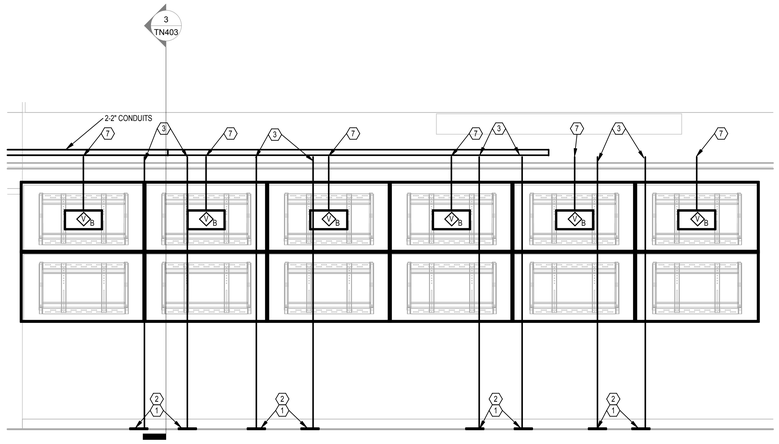
VA FORM 08 - 6231

PLAN NOTES

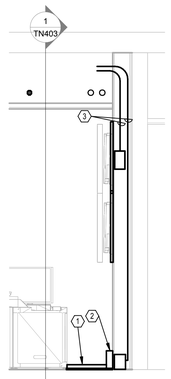
1. BASIS OF DESIGN USING OVERFLOOR RACEWAY OFR SERIES CATALOG NUMBER OFRBC-8.
2. BASIS OF DESIGN USING MODEL NUMBER OFR10A ENTRANCE END FITTING.
3. (2) 1.25" CONDUITS.
4. QUANTITY OF TWO (2") CONDUITS ABOVE CEILING WITH COMPRESSION COUPLINGS AND NYLON BUSHINGS FOR MONITOR AND CONSOLE CABLING.
5. DATA OUTLET TO CONSIST OF NETWORK CABLING TERMINATED IN RACK MOUNTED PATCH PANEL IN REAR OF CABINET.
6. RUN DATA CABLES SERVING THE NEW POLICE DISPATCH L024 AND L024B FROM TR L121-204 USING ONE OF THE OPEN 4" SLEEVES GOING BETWEEN FLOORS.
7. (1) 1.25" CONDUIT FROM FLAT PANEL BOX.



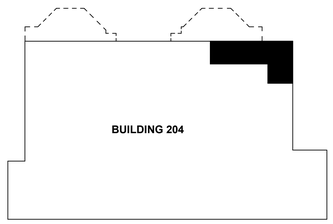
② TECHNOLOGY GROUND FLOOR PLAN
3/8" = 1'-0"



① DISPATCH WALL MONITORS
1/2" = 1'-0"



③ DISPATCH SECTION
1/2" = 1'-0"



KEY PLAN

No.	Revisions:	Date:

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Expires 12-31-24
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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
TECHNOLOGY GROUND FLOOR ENLARGED DISPATCH PLAN	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Drawing Number: TN403
		Issue Date: 12/09/2024 · Checked: JDK · Drawn: GES	

VA FORM 08 - 6231

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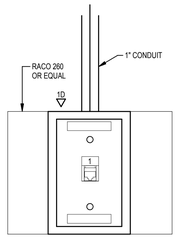
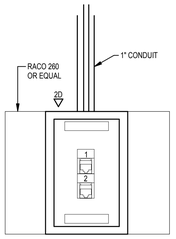


OUTLET TYPE "1D"
SINGLE (VOICE/DATA)

1-POSITION SINGLE GANG STAINLESS STEEL FACEPLATE WITH CLEAR LABEL WINDOWS:
- ONE (1) MODULAR 8-POSITION JACK "BLUE"
- ONE (1) 4-PAIR CATEGORY UTP CABLE "BLUE"

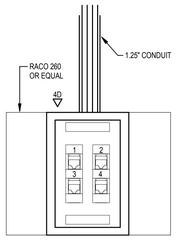
MOUNTING HEIGHT = 18" AFF
ROUTING = 1" CONDUIT AND BACKBOX WITH BUSHING TO CORRIDOR CABLE TRAY.



OUTLET TYPE "2D"
DUPLEX (VOICE/DATA)

2-POSITION SINGLE GANG FACEPLATE WITH CLEAR LABEL WINDOWS:
- TWO (2) MODULAR 8-POSITION JACKS "BLUE"
- TWO (2) 4-PAIR CATEGORY UTP CABLES "BLUE"

MOUNTING HEIGHT = 18" AFF
ROUTING = 1" CONDUIT AND BACKBOX WITH BUSHING TO CORRIDOR CABLE TRAY.

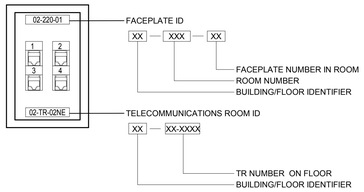


OUTLET TYPE "D4"
QUADPLEX (VOICE/DATA)

4-POSITION SINGLE GANG FACEPLATE WITH CLEAR LABEL WINDOWS:
- FOUR (4) MODULAR 8-POSITION JACK "BLUE"
- FOUR (4) 4-PAIR CATEGORY UTP CABLES "BLUE"

MOUNTING HEIGHT = 18" AFF
ROUTING = 1.25" CONDUIT AND BACKBOX WITH BUSHING TO CORRIDOR CABLE TRAY.

BASIS OF DESIGN FOR DATA CABLING IS COMMSCOPE



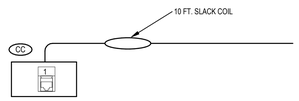
NOTES:
A. EACH "TO" SHALL BE LABELED AS SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A MACHINE-PRINTED LABEL WITH THE CORRECT "TO" NUMBER AND TR ID.

B. CABLE JACKET COLOR SHALL MATCH THE JACK COLOR.

C. CABLE GOING TO THE TR SHALL INCLUDE THE ROOM NUMBER ON THE CABLE AT PATCH PANEL.

D. ALL HORIZONTAL UTP SHALL BE CATEGORY 6A AND TERMINATED TO T568B.

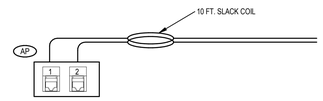
TELECOMMUNICATIONS OUTLET LABELING SCHEME



SURVEILLANCE CAMERA (CC)
(LAY-IN CEILING)

1-POSITION SURFACE BOX "BISCUIT":
- ONE (1) MODULAR 8-POSITION JACK "PINK"
- ONE (1) CATEGORY UTP CABLES "PINK"

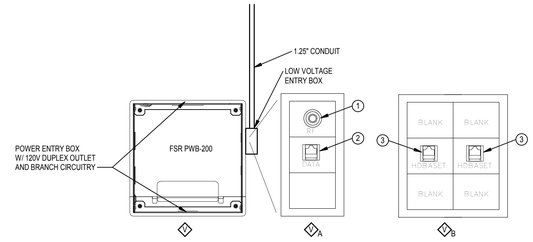
CONTRACTOR TO FOLLOW THE INSTALLATION DETAILS ON DRAWING T602.



WIRELESS DEVICE
ACCESS POINT (AP)
(LAY-IN CEILING)

2-POSITION SURFACE BOX "BISCUIT":
- TWO (2) MODULAR 8-POSITION JACK "YELLOW(GOVERNMENT)"OR "TBD (GREY)"
- TWO (2) CATEGORY UTP CABLES "YELLOW(GOVERNMENT), OR "TBD (GREY)"

CONTRACTOR SHALL FURNISH AND TERMINATE CABLES WITH A 25 FT. SLACK COIL AT EACH LOCATION.



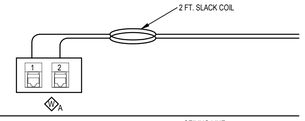
OUTLET TYPE "V"
FLAT PANEL SERVICE BOX FOR
POWER, DATA, TV

WALL MOUNTED FLAT PANEL SERVICE BOX WITH INTEGRATED POWER OUTLET AND DATA CONNECTIVITY. PROVIDE 0.75" CONDUIT FOR POWER.

BOX SHALL BE FSR #PWB-200 (OR EQUAL) PER DIVISION 26.

DETAIL NOTES

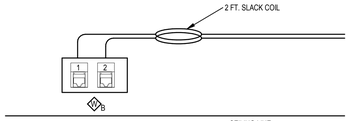
1. RF TYPE "F" COAXIAL CONNECTOR WITH RF CABLING (RG-6) FOR CATV BACK TO THE TR. CONNECT TO RF DISTRIBUTION SYSTEM.
2. CATEGORY UTP DATA JACK WITH CABLING TO TR STATION CABLING TERMINATION PANELS.
3. CAT 6 STP DATA JACK (GREY) WITH CABLING TO EQUIPMENT ROOM RACK MOUNTED PATCH PANEL FOR HDBASET CABLING.



VA NETWORK OUTLET

2-POSITION SURFACE BOX "BISCUIT":
- TWO (2) MODULAR 8-POSITION VA NETWORK JACK "BLUE"
- TWO (2) CATEGORY UTP VA NETWORK CABLES "BLUE". EXTEND FROM FURNITURE, ACROSS FLOOR CHANNEL.

CONTRACTOR SHALL FURNISH AND TERMINATE CABLES WITH A 3 FT. SLACK COIL AT EACH LOCATION.



USB EXTENDER
OUTLET

2-POSITION SURFACE BOX "BISCUIT":
- TWO (2) MODULAR CAT 6 STP JACKS (GREY)
- TWO (2) CATEGORY 6 STP CABLES (GREY). EXTEND FROM FURNITURE, ACROSS FLOOR CHANNEL.

CONTRACTOR SHALL FURNISH AND TERMINATE CABLES WITH A 3 FT. SLACK COIL AT EACH LOCATION.

1 **TECHNOLOGY OUTLET DETAILS**
NTS

No.	Revisions:	Date:

CONSULTANT

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BICSI ID # 1379910
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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
DETAILS	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Building Number: 204
		Issue Date: 12/09/2024 · Checked: JDK · Drawn: GES	Drawing Number: TN501

VA FORM 08 - 6231

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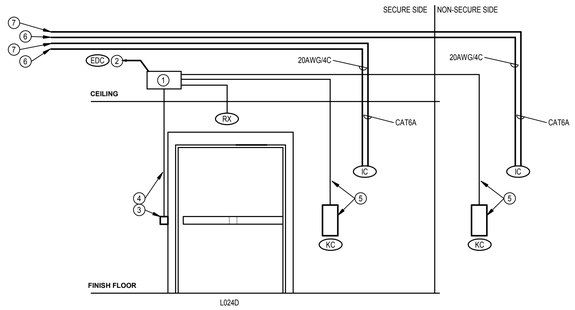
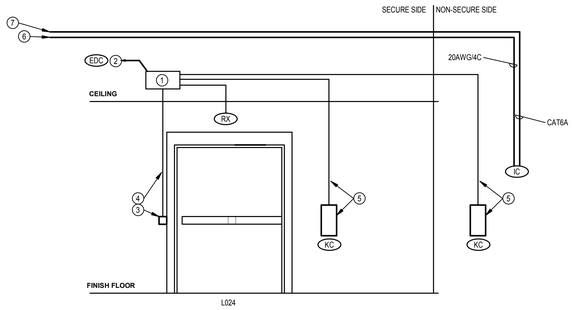
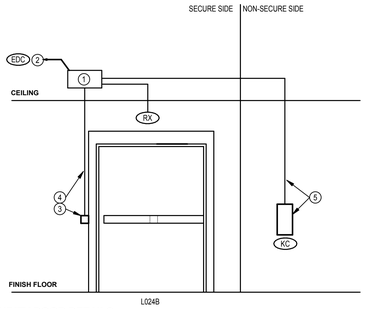


2 **SECURITY SALLY PORT DOOR L024D DETAIL**
NTS



3 **SECURITY SALLY PORT DOOR L024 DETAIL**
NTS



1 **SECURITY DOOR DETAILS**
NTS

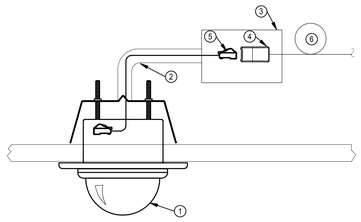
DETAIL NOTES

1. COMMON SECURITY JUNCTION BOX ON SECURE SIDE OF DOOR. (12"X12"X4" WITH SECURITY SCREW COVER).
2. PROVIDE "PURPLE - JACKETED" PLENUM COMPOSITE DOOR SECURITY WIRING (EQUAL TO BELDEN B658AFJ) FROM COMMON SECURITY JUNCTION BOX TO BACKBOARD IN IT114. PROVIDE 24" TAIL IN JUNCTION BOX AND 20' TAIL AT BACKBOARD. CABLE TO BE PROPERLY SUPPORTED UTILIZING J-HOOKS.
3. ELECTRONIC DOOR LOCK.
4. PROVIDE 0.75" CONDUIT FROM DOOR FRAME TO COMMON SECURITY JUNCTION BOX ON SECURE SIDE OF DOOR.
5. WALL MOUNTED DUAL CREDENTIAL KEYPAD READER. PROVIDE 1-GANG BOX AT 48" MH (UNLESS OTHERWISE NOTED) AND EXTEND 0.75" CONDUIT FROM BOX TO COMMON SECURITY JUNCTION BOX ON SECURE SIDE OF DOOR
6. 20AWG/4C TO ROOM L024B PACS PANEL.
7. CAT6A TO ROOM L121-204 DATA CLOSET.

ELECTRONIC DOOR CONTROLS SCHEDULE

EDC NUMBER	DOOR OPENING NUMBER	CONTROL					LOCKS										REQUEST TO EXIT							DOOR MONITOR							AUTOMATIC DOOR OPERATOR			SPECIAL DOOR NOTES
		EAC		INTERFACE			POWER					TYPE					FUNCTION			LOCATION				POSITION SWITCH					L BOLT	BOND SENSOR	MOTOR	PUSHPLATE		
		READER	TOD	FIRE ALARM	INTERCOM	PUSH BUTTON	INTRUSION ALARM	POE / POE+	VOLTAGE	LOCAL	REMOTE	LOCATION	NOTE	EP	EL	ES	ML	W L	QTY	ALARM SHUNT	UNLOCK	NOTE	HARDWARE	MOTION	WALL SWITCH	NOTE	QTY	IP/PT	BALANCED	HIGH SECURITY	RECESSED	SURFACE	QTY	QTY	QTY	EAC INTERFACE	QTY	WIRELESS	
1	L024D	●		●	●			24		●						●			0								1	DPDT	●		●		0	0	0		0		1,2,3
2	L024	●		●	●			24		●						●			0								1	DPDT	●		●		0	0	0		0		1,2,3
3	L024B	●	●					24		●						●			0								1	DPDT	●		●		0	0	0		0		1
4	L024E	●	●					24		●						●			0								1	DPDT	●		●		0	0	0		0		

NOTES:
1. CARD READERS ARE TO BE DUAL AUTHENTICATION KEYPAD/CARD READER.
2. DOORS L024D AND L024 ARE TO BE CONFIGURED AS INTERLOCKING MAN-TRAP DOORS. DOORS ARE READ-IN/READ-OUT. DOORS WILL ADDITIONALLY HAVE REMOTE RELEASE FROM THE AIPHONE SYSTEM TO EACH DOOR INDIVIDUALLY. UNLOCK FROM AIPHONE MASTER STATIONS ONLY IN NEW POLICE DISPATCH.
3. REX MOTION ON DOORS L024D AND L024 ARE TO SHUNT DOOR FORCED OPEN CONDITIONS ON VALID EXIT.



INTERIOR - CEILING RECESSED

4 **CAMERA MOUNTING DETAILS**
NTS

CAMERA MOUNTING DETAIL NOTES

1. CAMERA AS SHOWN ON THE PLANS. REFER TO CAMERA SCHEDULE FOR SPECIFICATIONS.
2. 0.75" CONDUIT TO BE ROUTED TO ACCESSIBLE INTERIOR JUNCTION BOX.
3. JUNCTION BOX ABOVE ACCESSIBLE CEILING.
4. 1-DATA OUTLET UTILIZING SURFACE MOUNT "BISCUIT" FOR TERMINATION OF DATA DROP INTO RJ-45 OUTLET.
5. PROVIDE PATCH CABLE WITH CONNECTIONS.
6. 20' COIL OF CABLE MANAGED ABOVE CEILING.

CAMERA SCHEDULE

OPTIONS... W - WIDE DYNAMIC RANGE; L - LOW LIGHT; D - DAY/NIGHT

GENERAL	SPECIFICATIONS																		TYPE AND MOUNTING															
	CAMERA TYPE										ANALYTICS		POWER			CABLE			INDOOR						OUTDOOR									
MARK	OPTION	LENS (mm)	RESOLUTION (MP)	STANDARD 4:3	STANDARD 16:9	PANORAMIC 180°	PANORAMIC 360°	NO. IMAGERS	PTZ	IP	CAM	SERV	POE	24V	120V	UTP	FIBER	COAX	CLG RECESSED	CLG SURFACE	CLG STEM	WALL SURFACE	WALL ARM	POLE MOUNTED	CLG RECESSED	CLG SURFACE	CLG STEM	WALL SURFACE	WALL ARM	POLE MOUNTED	MOUNTING HEIGHT	SEE NOTE
1		3-8	2		●			1		●			●			●			●													
2		3-8	2		●			1		●			●			●			●													

No.	Revisions:	Date:

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MT HOME, VA MEDICAL CENTER

VA U.S. Department of Veterans Affairs

Drawing Title: DETAILS AND SCHEDULE

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Location: MT. HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: JDK

Drawn: GES

Project Number: 621-23-104

Building Number: 204

Drawing Number: TN502

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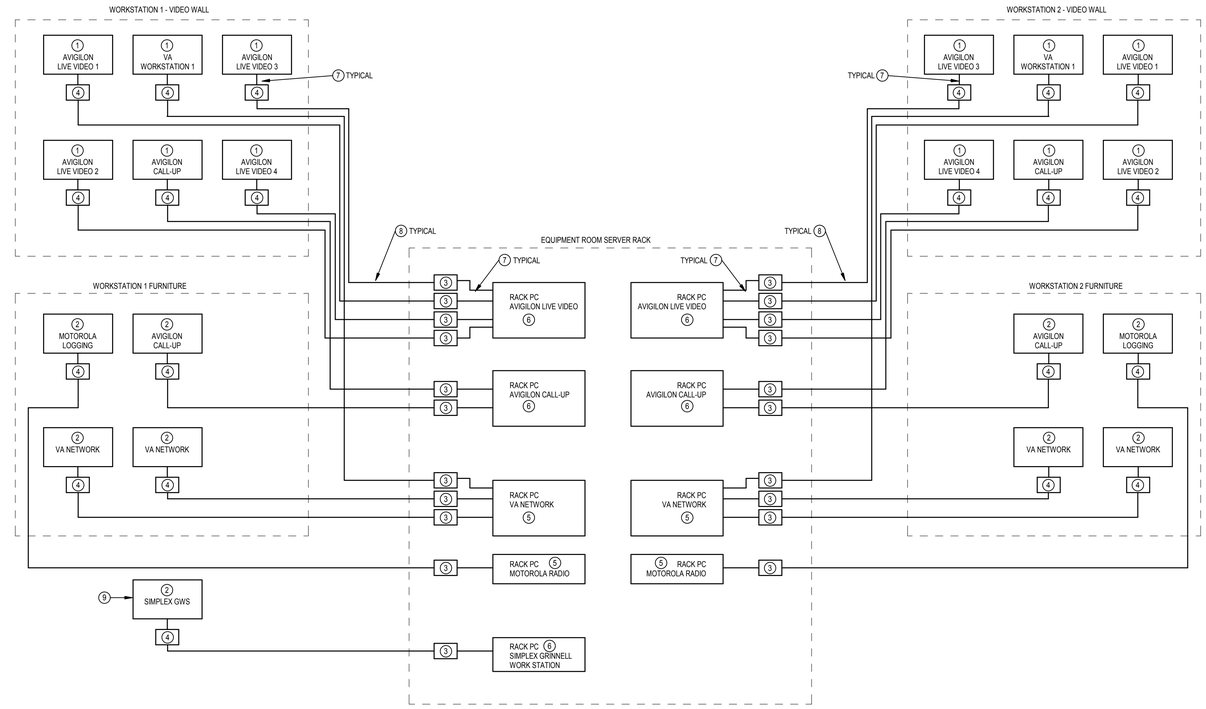
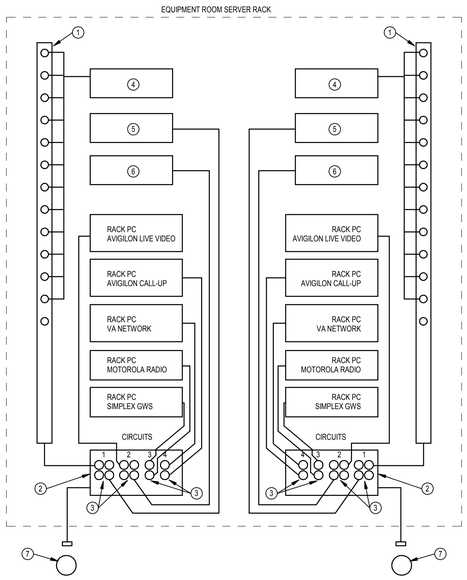


DETAIL NOTES

1. VIDEO WALL 55" FLAT PANEL WITH VIDEO WALL MOUNTING SYSTEM.
2. 22" FLAT PANEL MOUNTED TO FURNITURE SYSTEM MOUNTING POLE.
3. HDBASET TX (BOD ATLONA AT-UHD-EX-100CE-TX, OR EQUAL)
4. HDBASET RX (BOD ATLONA AT-UHD-EX-100CE-RX, OR EQUAL).
5. RACK MOUNTED PC - FURNISHED BY VA.
6. RACK MOUNTED PC - FURNISHED BY CONTRACTOR.
7. HDMI PATCH CABLE
8. CATEGORY 6 STP FROM RACK PATCH PANEL TO CONNECTIVITY AT DISPLAY/WORKSTATION.
9. MONITOR TO BE LOCATED IN BETWEEN THE WORKSTATIONS, ON A SWIVEL MOUNT.

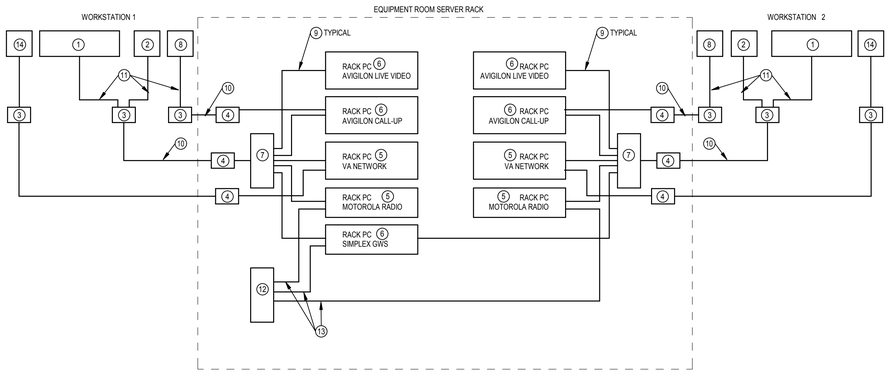
1 DISPATCH - VIDEO CONNECTION DIAGRAM
NTS



DETAIL NOTES

1. (6)RU, 12 CCT 120V-20A POWER DISTRIBUTION UNIT.
2. 5KVA UPS
3. 120V-15A OUTLETS
4. RACK MOUNTED HDBASE T TRANSMITTERS (REFER TO DETAILS FOR QUANTITY)
5. RACK MOUNT USB/TWISTED PAIR TRANSMITTER (REFER TO DETAIL FOR QUANTITY)
6. RACK MOUNTED KVM SWITCHES AND KEYBOARD/MONITOR.MOUSE
7. L6-30R MOUNTED ABOVE RACK.

3 DISPATCH - RACK POWER CONNECTION DIAGRAM
NTS



DETAIL NOTES

1. USB 2.0 KEYBOARD.
2. USB 2.0 MOUSE.
3. USB 2.0 DUAL PORT TP EXTENDER TX (BOD ICRON USB 2.0 RANGER 2312, OR EQUAL).
4. USB 2.0 DUAL PORT TP EXTENDER RX (BOD ICRON USB 2.0 RANGER 2312, OR EQUAL).
5. RACK MOUNTED PC - FURNISHED BY VA.
6. RACK MOUNTED PC - FURNISHED BY CONTRACTOR.
7. RACK MOUNTED 8-PORT MOUSE/KEYBOARD SWITCHER WITH KEYBOARD SHORTCUTS. (BOD SMARTAV #SM-KMN-08, OR EQUAL).
8. AVIGILON JOYSTICK CONTROLLER
9. USB CABLING FOR KEYBOARD AND MOUSE FROM PC.
10. CATEGORY 6 STP FIELD CABLING FROM RACK PATCH PANEL TO CONNECTIVITY AT WORKSTATION.
11. USB PATCH CABLE.
12. RACK MOUNTED KEYBOARD/MONITOR/MOUSE WITH 4-PORT KVM
13. USB KEYBOARD/MOUSE AND HDMI VIDEO CONNECTIONS TO KVM.
14. PIV READER BY VA

2 DISPATCH - KVM CONNECTION DIAGRAM
NTS

No.	Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
DISPATCH EQUIPMENT DETAILS	CONSTRUCTION DOCUMENTS 100%	RELOCATE POLICE DISPATCH	621-23-104
			Building Number: 204
Approved: Owner	FULLY SPRINKLERED	Location: MT. HOME, TENNESSEE	Drawing Number: TN503
		Issue Date: 12/09/2024 · Checked: JCM · Drawn: GES	

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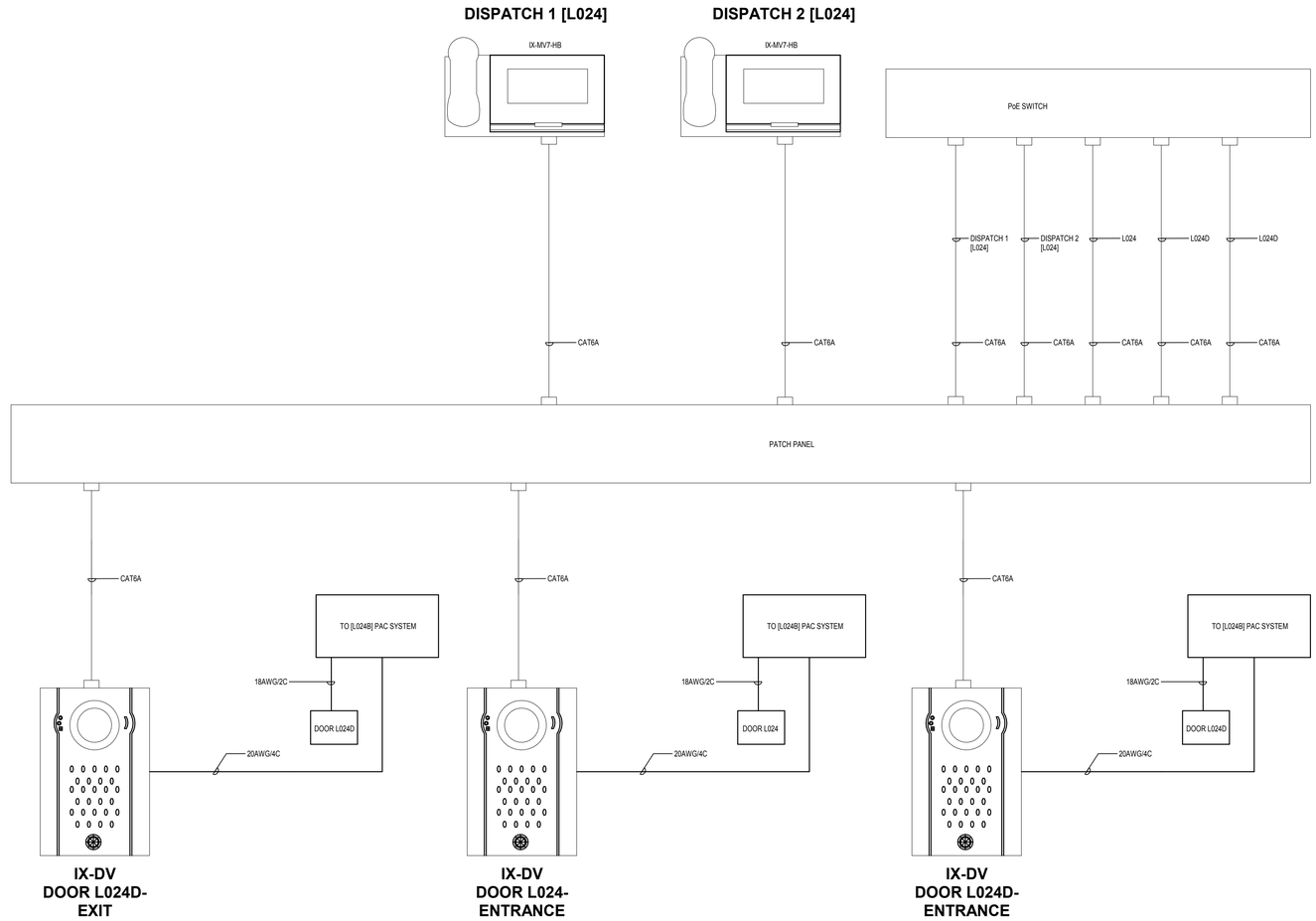
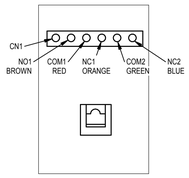


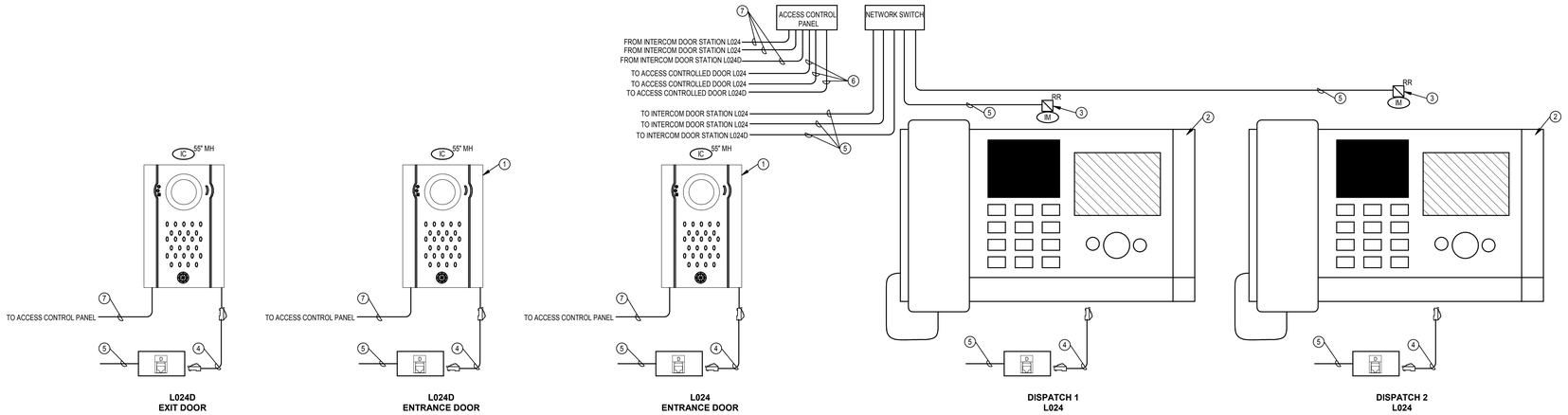
1 **INTERCOM RISER**
NTS

GENERAL NOTES:

A. UTILIZE FORM C RELAY OUTPUT TO CONNECT TO EDC REX OUTPUT.



REAR VIEW OF IX-DV FOR RELAY CONNECTION



2 **VIDEO DOORBELL WITH REMOTE RELEASE**
NTS

2 INTERCOM SYSTEM DETAIL NOTES

1. IP-BASED VIDEO INTERCOM, WALL MOUNTED WITH SECURITY DOOR RELEASE AT EXTERIOR ENTRANCE. BASIS OF DESIGN IS AIPHONE.
2. IP-BASED VIDEO MASTER INTERCOM WITH SECURITY DOOR RELEASE AT EXTERIOR ENTRANCE. BASIS OF DESIGN IS AIPHONE.
3. REMOTE RELEASE INTEGRATED WITH THE INTERCOM MASTER.
4. UTP CATEGORY PATCH CABLE.
5. 4-PR. CATEGORY UTP, PLENUM-RATED HORIZONTAL CABLE RUN BACK TO TELECOM ROOM PATCH PANEL.
6. 18AWG/2C SHIELDED, PLENUM-RATED CABLING.
7. 20AWG/4C PLENUM-RATED CABLING.

No.	Revisions:	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title: SINGLE LINE DIAGRAMS

Approved: Owner

Phase: CONSTRUCTION DOCUMENTS 100%

FULLY SPRINKLERED

Project Title: RELOCATE POLICE DISPATCH

Project Number: 621-23-104

Building Number:

Location: MT. HOME, TENNESSEE

Issue Date: 12/09/2024

Checked: JCM

Drawn: GES

Drawing Number: TN601

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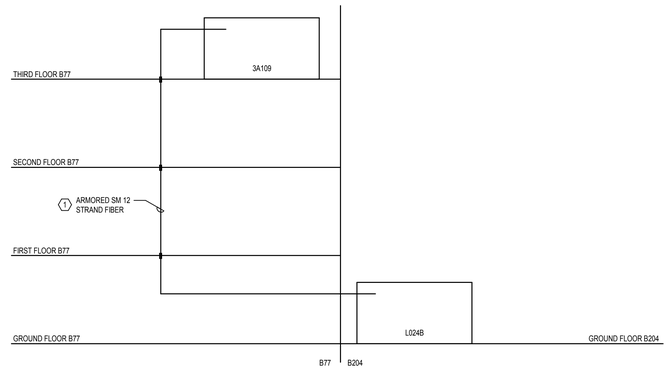

1 **FIBER RISER DIAGRAM**
NTS

DRAWING NOTES

1. PROVIDE ARMORED SM 12 STRAND FIBER, NEW 2" PATHWAY, AND SLEEVES FROM L024B IN BUILDING 204, THROUGH CORRIDORS TO B77 PATH WILL GO UP THROUGH FLOORS. CORE DRILL AND SEAL PATHWAY BETWEEN: GROUND, FIRST, SECOND, AND THIRD FLOORS AND END IN B77 ROOM 3A109 SERVER ROOM.

No.	Revisions:	Date:

CONSULTANT

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Drawing Title	FIBER RISER DIAGRAM
Phase	CONSTRUCTION DOCUMENTS 100%
Project Title	RELOCATE POLICE DISPATCH
Project Number	621-23-104
Building Number	
Approved: Owner	
	FULLY SPRINKLERED
Location	MT. HOME, TENNESSEE
Issue Date	12/09/2024
Checked	JDK
Drawn	GES
Drawing Number	TN602

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