TB Version 16.3

DAS - SHB - ARCHIVES STORAGE RENOVATION DAS# 9485.00

600 E. Locust St., Des Moines IA 50319

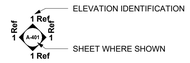
VICINITY MAPS

INDEX OF DRAWINGS

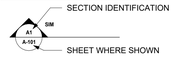
REFERENCE INDICATIONS

DETAIL SECTION

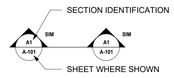
ELEVATION



WALL SECTION



BUILDING SECTION



WALL TYPE G1

DOOR NUMBER 1132 A

WINDOW TAG 10

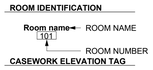
ROOF TAG R1

FLOOR TAG F1

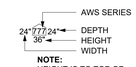
ADDENDUM TAG 8 Issued by

ELEVATIONS Name, Elevation

ROOM IDENTIFICATION



CASEWORK ELEVATION TAG



NOTE: HEIGHT IS TO TOP OF COUNTER

GENERAL NOTES

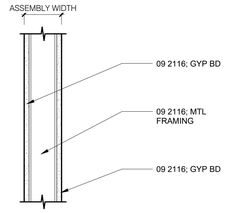
A. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF METAL STUDS, FACE OF MASONRY, OR CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE.

B. FLOOR SPOT ELEVATIONS ARE SHOWN THUS: 0'-0"

C. ALL WALLS AND EXPOSED CEILINGS TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.

GENERAL WALL TYPES NOTES

1. REFER TO SPECIFICATION SECTION 09 2116 - GYPSUM BOARD ASSEMBLIES FOR MINIMUM STUD THICKNESS, MAXIMUM STUD SPACING, AND PERFORMANCE CRITERIA FOR NON-LOAD-BEARING METAL-FRAMED GYPSUM BOARD WALL AND SHAFT WALL ASSEMBLIES; INCLUDING MAXIMUM DEFLECTION, ACOUSTICAL-RATED, FIRE-RESISTANCE-RATED, AND SMOKE-RESISTANCE-RATED REQUIREMENTS. CONSTRUCT ACOUSTICAL-RATED, FIRE-RESISTANCE-RATED, AND SMOKE-RESISTANCE-RATED WALLS ACCORDING TO THEIR RESPECTIVE ASSEMBLY TEST REPORTS. ENSURE MATERIALS USED WITHIN AN ASSEMBLY COMPLIES WITH MANUFACTURER 'S DATA AND THE PRODUCT QUALITIES INDICATED IN THEIR RESPECTIVE ASSEMBLY SPECIFICATIONS AND TEST REPORTS.
2. PENETRATIONS THROUGH, AND THE PERIMETER OF FIRE-RESISTANCE-RATED WALLS, SHALL BE FILLED WITH AN APPROPRIATE FIRESTOPPING SYSTEM MEETING PERFORMANCE REQUIREMENTS INDICATED ON DRAWINGS AND AS SPECIFIED IN SECTION 07 8400 - FIRESTOPPING.
3. EXTEND WALL FRAMING TO BOTTOM OF ROOF/FLOOR DECK ABOVE IN ALL LOCATIONS, UNLESS SPECIFICALLY NOTED OTHERWISE, ALLOWING FOR DEFLECTION WHILE MAINTAINING APPROPRIATE ACOUSTICAL-RATED, AND FIRE-RESISTANCE-RATED, AND SMOKE-RESISTANCE-RATED REQUIREMENTS.



L3.X METAL STUD ASSEMBLIES W/ 1 LAYER GYP BD EACH SIDE

Mark	Stud Size	Assembly Width	UL Design Rating	Comments
L3.1	1 5/8"	2 7/8"		
L3.3	3 5/8"	<varies>		
L3.5	5 1/2"	6 3/4"		

LIST OF ABBREVIATIONS

@	AT	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	MECH	MECHANICAL	SCHED	SCHEDULE
AC	ACOUSTICAL COMPONENT	EJ	EXPANSION JOINT	MFR	MANUFACTURER	SCONC	SEALED CONCRETE
ACST	ACOUSTICAL	EL	ELEVATION	MIN	MINIMUM	SF	SQUARE FOOT OR FEET
ADJ	ADJACENT OR ADJUSTABLE	ELEC	ELECTRICAL	MIRR	MIRROR OR MIRRORED	SHT	SHEET
AFF	ABOVE FINISH FLOOR	ELEV	ELEVATOR	MTL	METAL	SHTHG	SHEATHING
AL	ALUMINUM	EQ	EQUAL	MTLP	METAL PANEL	SIM	SIMILAR
ALT	ALTERNATE	EQUIP	EQUIPMENT	NIC	NOT IN CONTRACT	SIPS	STRUCTURAL INSULATED PANELS
ANOD	ANODIZED	EWC	ELECTRIC WATER COOLER	NO	NUMBER	SLNT	SEALANT
APCC	ARCHITECTURAL PRECAST CONCRETE	EX	EXPOSED	NOM	NOMINAL	SLNT/BR	SEALANT AND BACKER ROD
APPROX	APPROXIMATE	EXH	EXHAUST	NTS	NOT TO SCALE	SOG	SLAB-ON-GRADE
ARCH	ARCHITECTURAL	EXIST	EXISTING	OC	ON CENTER	SSM	SOLID SURFACING MATERIAL
ATC	ACOUSTICAL TILE CEILING	EXP	EXPANSION	OD	OUTSIDE DIAMETER OR DIMENSION	SST	STAINLESS STEEL
AV	AUDIO VISUAL	EXT	EXTERIOR	OF/CI	OWNER FURNISHED, CONTRACTOR INSTALLED	STD	STANDARD
AW	ARCHITECTURAL WOODWORK	FACP	FIRE ALARM CONTROL PANEL			STF	STOREFRONT
BD	BOARD	FD	FLOOR DRAIN	OF/OI	OWNER FURNISHED, OWNER INSTALLED	STL	STEEL
BEJ	BRICK EXPANSION JOINT	FDC	FIRE DEPARTMENT CONNECTION	OPNG	OPENING	STRUCT	STRUCTURAL
BLDG	BUILDING	FE	FIRE EXTINGUISHER ON BRACKET	OPP	OPPOSITE	SUSP	SUSPENDED
BLKG	BLOCKING	FEC	FIRE EXTINGUISHER CABINET	ORD	OVERFLOW ROOF DRAIN	T	TREAD OR TILE
BO_	BOTTOM OF ____	FF	FINISHED FACE OR FLOOR	PCC	PRECAST CONCRETE	T&B	TOP AND BOTTOM
BRG	BEARING	FIN	FINISH	PCONC	POLISHED CONCRETE	TAC	TACKBOARD
CG	CORNER GUARD	FLEX	FLEXIBLE	PEF	POURED EPOXY FLOORING	TELECOM	TELECOMMUNICATION(S)
CIPC	CAST-IN-PLACE CONCRETE	FLR	FLOOR	PL	PLATE	TOB	TOP OF BEAM
CJ	CONTROL JOINT	FTG	FOOTING	PLAM	PLASTIC LAMINATE	TOC	TOP OF CONCRETE/COUNTER
CL	CENTER LINE	FURN	FURNITURE/FURNISHINGS	PLBG	PLUMBING	TOF	TOP OF FRAME
CLR	CLEAR	G	GROUT	PLYWD	PLYWOOD	TOJ	TOP OF JOIST
CMU	CONCRETE MASONRY UNIT	GA	GAGE	PNT	PAINT(ED)	TOM	TOP OF MASONRY
COL	COLUMN	GALV	GALVANIZED	PR	PAIR	TOS	TOP OF SLAB OR STEEL
CONC	CONCRETE	GFR	GLASS-FIBER-REINFORCED	R	RISER	TOW	TOP OF WALL
CONT	CONTINUOUS	GYP	GYPSUM	RB	RESILIENT BASE	TYP	TYPICAL
CPT	CARPETING / CARPET TILE	GYP BD	GYPSUM BOARD	RCP	REFLECTED CEILING PLAN	TZ	TERRAZZO
CW	CURTAIN WALL	HM	HOLLOW METAL	RD	ROOF DRAIN	UON	UNLESS OTHERWISE NOTED
DBL	DOUBLE	HORIZ	HORIZONTAL	REBAR	REINFORCING BAR(S)	VAR	VARIES
DEMO	DEMOLITION / DEMOLISH	HT	HEIGHT	REF	REFERENCE	VERT	VERTICAL
DF	DRINKING FOUNTAIN	IB	INTEGRAL BASE	REFR	REFRIGERATOR	VIF	VERIFY IN FIELD
DIA	DIAMETER	INSUL	INSULATION	REINF	REINFORCE OR REINFORCING	W/	WITH
DN	DOWN	INT	INTERIOR	REQD	REQUIRE(D)	W/O	WITHOUT
DR	DOOR	JT	JOINT	RF	RESILIENT FLOORING	WB	WALL BUMPER
DS	DOWNSPOUT	LKR	LOCKER	RM	ROOM	WC	WALL COVERING
DW	DISHWASHER	MAS	MASONRY	RO	ROUGH OPENING	WD	WOOD
DWG	DRAWING(S)	MAT	ENTRY WALK-OFF MAT	RST	REINFORCING STEEL	WDP	WOOD PANEL
EA	EACH	MAX	MAXIMUM	RWP	RIGID SHEET WALL PROTECTION	WWF	WELDED WIRE FABRIC
				SATC	SUSPENDED ACOUSTICAL TILE CEILING		

MATERIAL SYMBOLS

GENERAL FILL
STEEL
BATT INSULATION
PLYWOOD
RIGID INSULATION
GYPSUM BOARD
FOAM-IN-PLACE INSULATION
GROUT
GRANULAR DRAINAGE FILL
BRICK
CONCRETE
CONCRETE MASONRY UNIT
WOOD BLOCKING
WOOD SHIM

BRIAN R. WARTHEN STATE OF IOWA 06244 IOWA LICENSED ARCHITECT

I hereby certify that the portion of this technical submission described herein was prepared by me or under my direct supervision and responsible charge. I am a duly registered Architect under the laws of the State of Iowa.
BRIAN R. WARTHEN
Signature 9.19.25 Date
Registration expires: 06.30.2027
Pages or sheets covered by this seal: G-001, G-002, G-100, AD101, A-001, A-101, A-101B, A-211, A-411, A-501

LICENSED PROFESSIONAL ENGINEER TONY E. DELOUIS P23167 IOWA

I hereby certify that the portion of this technical submission described herein was prepared by me or under my direct supervision and responsible charge and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.
TONY E. DELOUIS
Signature 9.19.25 Date
License Renewal Date: 01.01.2027
Pages or sheets covered by this seal: E-000, ED101, ED111, ED121, E-201,E-210,E-211, E-221, E-600, T-000, TD101, T-102, T-103

LICENSED PROFESSIONAL ENGINEER PETER J. ERNZEN 24147 IOWA

I hereby certify that the portion of this technical submission described herein was prepared by me or under my direct supervision and responsible charge and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.
PETER J. ERNZEN
Signature 9.19.25 Date
License Renewal Date: 01.01.2027
Pages or sheets covered by this seal: F-000, FD101, F-201, P-000, P-101, P-201, M-000, MD101 , M-201,

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NEUMANN MONSON ARCHITECTS

PROJECT NAME
DAS - SHB - ARCHIVES STORAGE RENOVATION DAS# 9485.00

OWNER
STATE OF IOWA
DAS No. 9485.00

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

SHEET NAME
TITLE SHEET AND DRAWING INDEX

SHEET NUMBER
G-001

CODE REVIEW
STATE HISTORICAL BUILDING
600 E Locust St. Des Moines, IA. 50319

APPLICABLE CODES- State of Iowa

2015 International Building Code (IBC)
2015 International Existing Building Code (IEBC)
2021 State Mechanical Code (Based on 2021 International Mechanical Code)
2015 International Fire Code
2020 National Electrical Code
2021 State Plumbing Code (Based on 2021 Uniform Plumbing Code)

Accessibility – 2010 ADA Standards, Iowa state accessibility code

Energy - Iowa state energy code, 2012 international energy conservation code

BASIC INFORMATION
Renovation
9,110 GSF
Construction Type **1-A**, Alterations
Occupancy Groups **S-1**

2015 International Existing Building Code:

Chapter 1 – Scope and Administration
Demolition work to follow IEBC Chapter 15
All sub-contractors will need to apply for and obtain their own specialty permits.
An approved set of plans including plan review comments is to be kept on the job site and be available to the building inspectors.

Chapter 2 - Definitions
See IBC 2015

Chapter 5 – Classification of Work

Proposed Work
Type 1-A
Alterations – Level 1
9,110 GSF
Fully sprinklered per Section 903 of the 2015 International Fire Code.

504.2 Application
Alterations shall comply with the provisions of Chapter 7 for Level 1 alterations as well as the provisions of Chapter 8

Chapter 6 – Repairs
Construction Type: I-A

603	**Fire Ratings** (Table 601 IBC)	REQ.	PROVIDED
	Structural Frame including columns, girders & trusses	3 hr	3 hr
	Bearing Walls–Exterior	3 hr	3 hr
	Bearing Walls–Interior	3 hr	3 hr
	Nonbearing walls & partitions–Exterior	*1 hr*	*1 hr**
	Nonbearing walls & partitions–Interior	*0 hr*	*Varies*
	Floor Construction including supporting beams & joists	*2 hr*	*2 hr*
	Roof Construction including supporting beams & joists	*1 hr*	*1 hr***

** New additions will be rated to 1 hr. Existing exterior walls will meet or exceed a 2hr rating.*

Chapter 6 - Classification of Work

602 **Alteration Level 1: Scope**
Level 1 alterations include the removal and replacement or the covering of existing materials, elements, equipment, or fixtures using new materials, elements, equip-ment, or fixtures that serve the same purpose.

603 **Alteration Level 2: Scope**
Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.

Chapter 7 – Alterations Level 1

701 **Scope**
Level 1 alterations as described in Section 602 shall comply with the requirements of this chapter. Level 1 alterations to historic buildings shall comply with this chapter, except as modified in Chapter 12.

704 **Means of Egress**
Alterations shall be done in a manner that maintains the level of protection provided for the means of egress.

706 **Structural**
Where alteration work includes replacement of equipment that is supported by the building or where a roofing permit is required, the provisions of this section shall apply.

Chapter 8 - Alterations Level 2

801.2 **Alteration Level 1 Compliance**
In addition to the requirements of this chapter, all work shall comply with the requirements of Chapter 7.

801.3 **Compliance**
New construction elements, components, systems and spaces shall comply with the requirements of the International Building Code.

802.4 **Interior Finish**
The Interior finish of walls and ceilings in exits and corridors in any work area shall comply with the requirements of the International Building Code.

803 **Fire Protection**
The requirements of this section shall be limited to work areas in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work area.

2015 International Building Code

Chapter 5 - General Building Heights and Areas

Proposed Renovation
Type 1-A
14,376 GSF

508.4 *Separated Occupancies per Section (Table 508.4) – Sprinklered Building*
A/B: 1 hr
B/E: 1 hr
A/S-1: 1 hr
B/S-1: N

Chapter 6 - Types of Construction
Construction Type: 1-A

Chapter 9 – Fire Protection Systems

903.3.1.1 NFPA 13 sprinkler systems. Where the provisions of this code require that a building or portion thereof be equipped throughout with an automatic sprinkler system in accordance with this section, sprinklers shall be installed throughout in accordance with NFPA 13 except as provided in Section 903.3.1.1.1.
905.3.1 Exception 1:Class I manual standpipes allowed per section
905.4 Location of Class I standpipe hose connections at every required stairway.
906.1 **Portable Fire Extinguishers**
Existing locations to remain.

Chapter 10 – Means of Egress

1004 **Design Occupant Loads**
Table 1004.1.2:

Storage (S-1): 300 gross (4499sf + 9099sf = 13,598sf/300) = 45.3
Business: 100 gross (777sf/100) = 7.77
Total Occupants: **54**

1005 **Egress Widths**
See life safety plans. *All egress width requirements are satisfied. Historic 43' stair is allowed as it is existing historic fabric and occupant loads have been capped.*

1006.17.2 **Exit Access Travel Distance**
Group S-1 250ft

CODE PLAN LEGEND

	DESCRIPTION	
	FIRE EXTINGUISHER	COMPLY WITH IFC906
FEC	FIRE EXTINGUISHER CABINET	F.E.C.

75 — NUMBER OF ADVANCING OCCUPANTS
DIRECTION OF TRAVEL
XX — TRAVEL DISTANCE
TRAVEL PATH

SYMBOL	DESCRIPTION	NOTES
	1 HR RATED SEPARATION	1 HOUR FIRE RESISTANCE RATED CONSTRUCTION. 3/4 HOUR RATED DOOR ASSEMBLIES (UNO) FIRE & SMOKE DAMPERS.
	2 HR RATED SEPARATION	2 HOUR FIRE RESISTANCE RATED CONSTRUCTION. 1 1/2 HOUR RATED DOOR ASSEMBLIES (UNO) FIRE & SMOKE DAMPERS.
	3 HR RATED SEPARATION	3 HOUR FIRE RESISTANCE RATED CONSTRUCTION. 2 HOUR RATED DOOR ASSEMBLIES (UNO) FIRE & SMOKE DAMPERS.

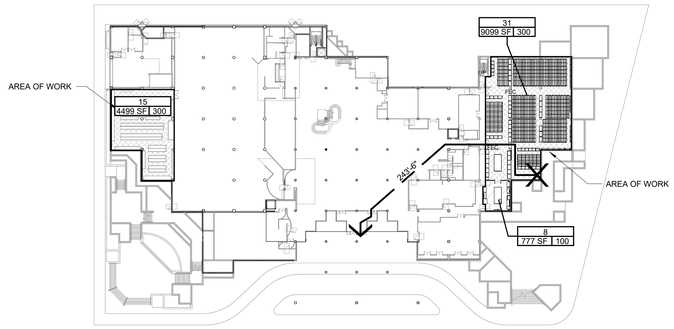
OCCUPANCY SPACE TAG
XX — NUMBER OF CALCULATED OCCUPANTS
1150 SF | XXX — OCCUPANT LOAD FACTOR (SQ. FT. / PERSON)
SQ. FT. OF SPACE

MEANS OF EGRESS DOOR TAG
XXX — TOTAL NUMBER OF OCCUPANTS EXITING
XXX — CAPACITY OF EXIT ELEMENT
XX.X — ACTUAL EXIT WIDTH (INCHES)

MEANS OF EGRESS STAIR TAG
STAIR
XXX — TOTAL NUMBER OF OCCUPANTS EXITING
XXX — CAPACITY OF EGRESS STAIR
XX.X — ACTUAL STAIR WIDTH (INCHES)

USE AND OCCUPANCY CLASSIFICATION LEGEND

S1- STORAGE (NO CHANGE IN OCCUPANCY OR USE)
B- BUSINESS (NO CHANGE IN OCCUPANCY OR USE)



LEVEL 1 USE & OCCPANCY PLAN
1" = 60'-0"

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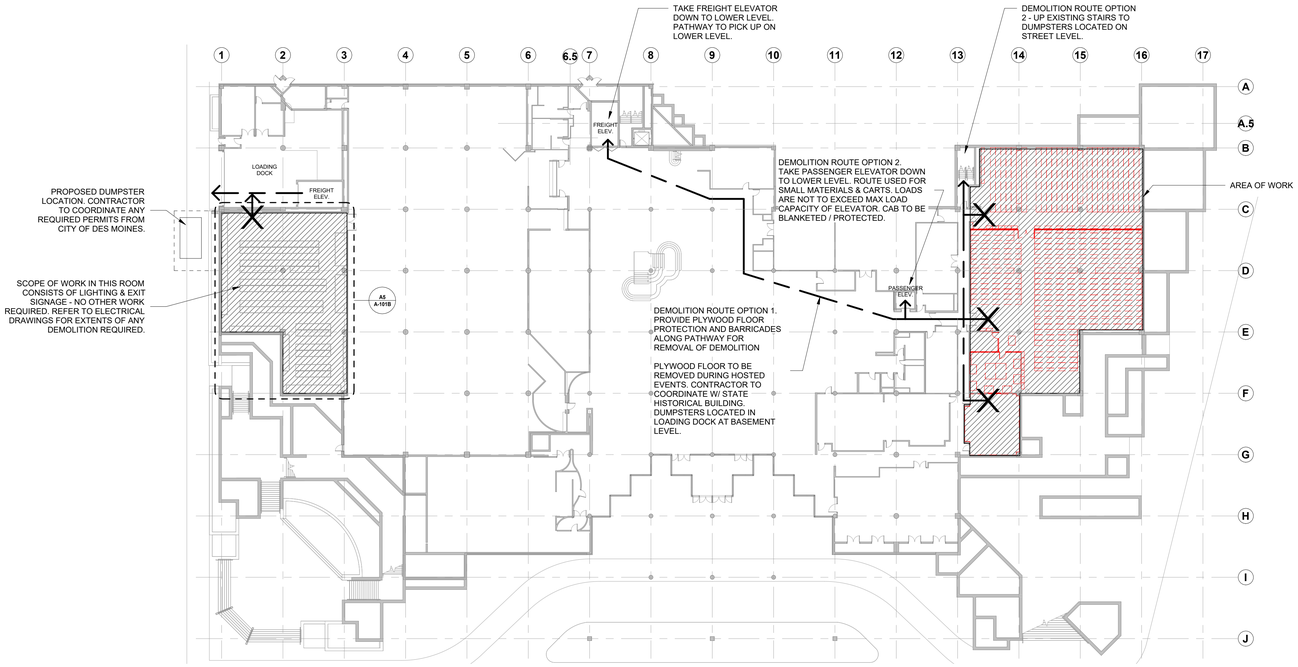
SHEET NAME
CODE INFORMATION

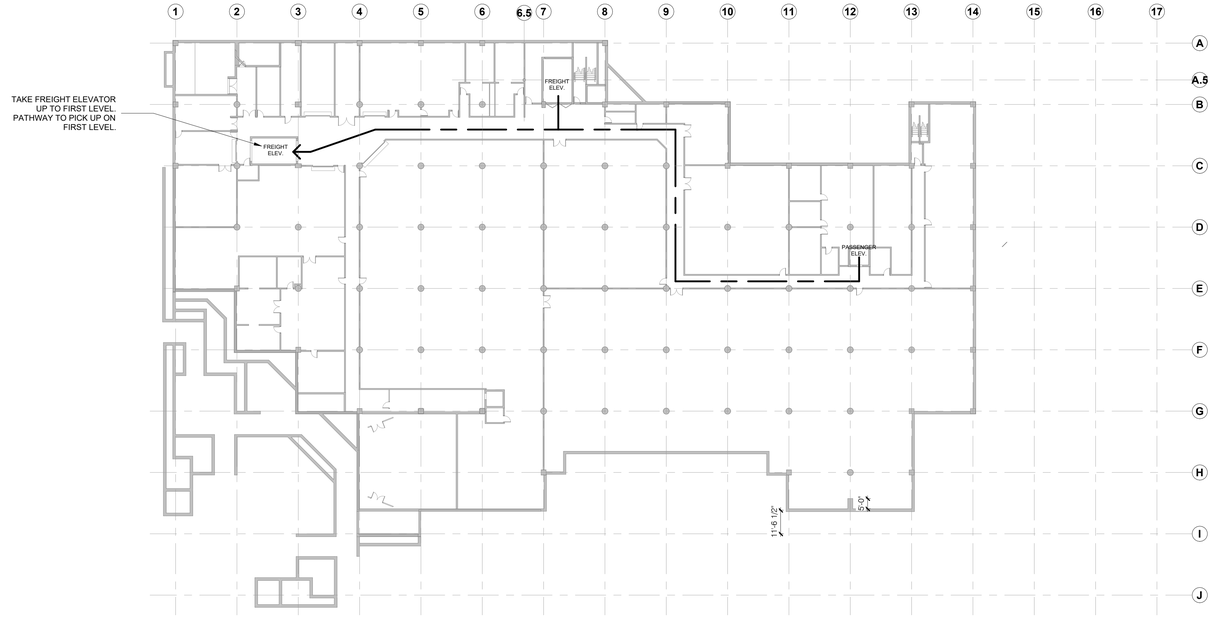
SHEET NUMBER
G-002

TB Version 16.3



D1 FIRST LEVEL FLOOR PLAN - DEMOLITION ROUTE

1" = 30'-0"



B1 LOWER LEVEL FLOOR PLAN - DEMOLITION ROUTE

1" = 30'-0"

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SHEET NAME

DEMOLITION ROUTE(S)

SHEET NUMBER

G-100

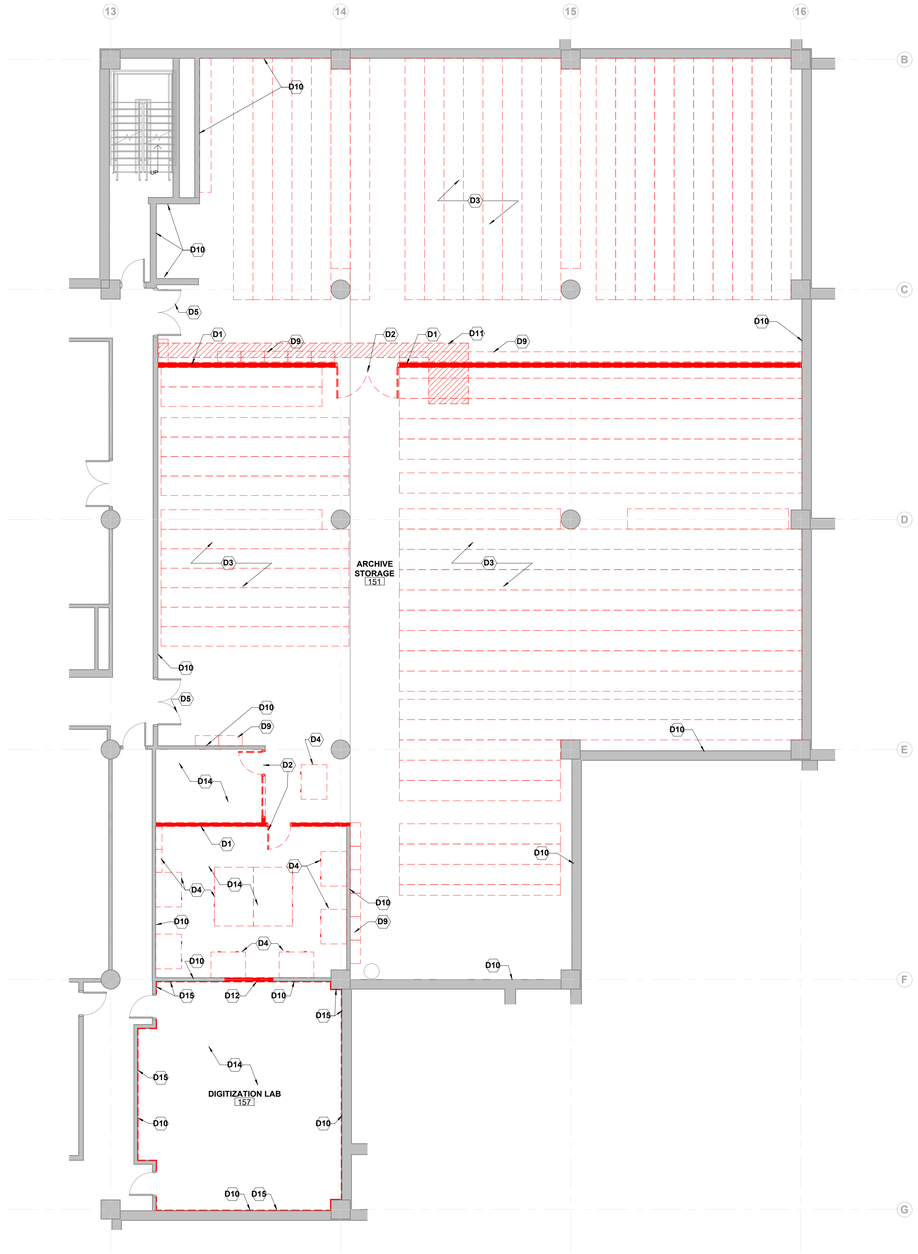
TB Version 16.3

GENERAL DEMOLITION NOTES

1. REMOVE ALL MEPT SYSTEM COMPONENTS WITHIN AREAS OF THE WORK OF THIS CONTRACT THAT ARE NOTED AS ABANDONED OR TO BE ABANDONED BY THE WORK OF THIS CONTRACT.
2. WHEREVER DEMOLISHED WALLS ABUT WALLS TO REMAIN, PATCH AND PREPARE TO BE REFINISHED.
3. REPAIR AND PATCH WALLS AND CONCRETE FLOOR SLAB WHERE DAMAGED OR UNFINISHED SURFACE RESULTING FROM REMOVE OF CASEWORK, WALL, FIXTURES OR ANY OTHER ITEMS REQUIRED TO BE REMOVED BY THIS CONTRACT WILL AFFECT INSTALLATION OF NEW SHELVING UNITS.
4. ANY DAMAGE DONE TO EXISTING CONDITIONS TO REMAIN TO BE REMEDIED AT EXPENSE OF CONTRACTOR.

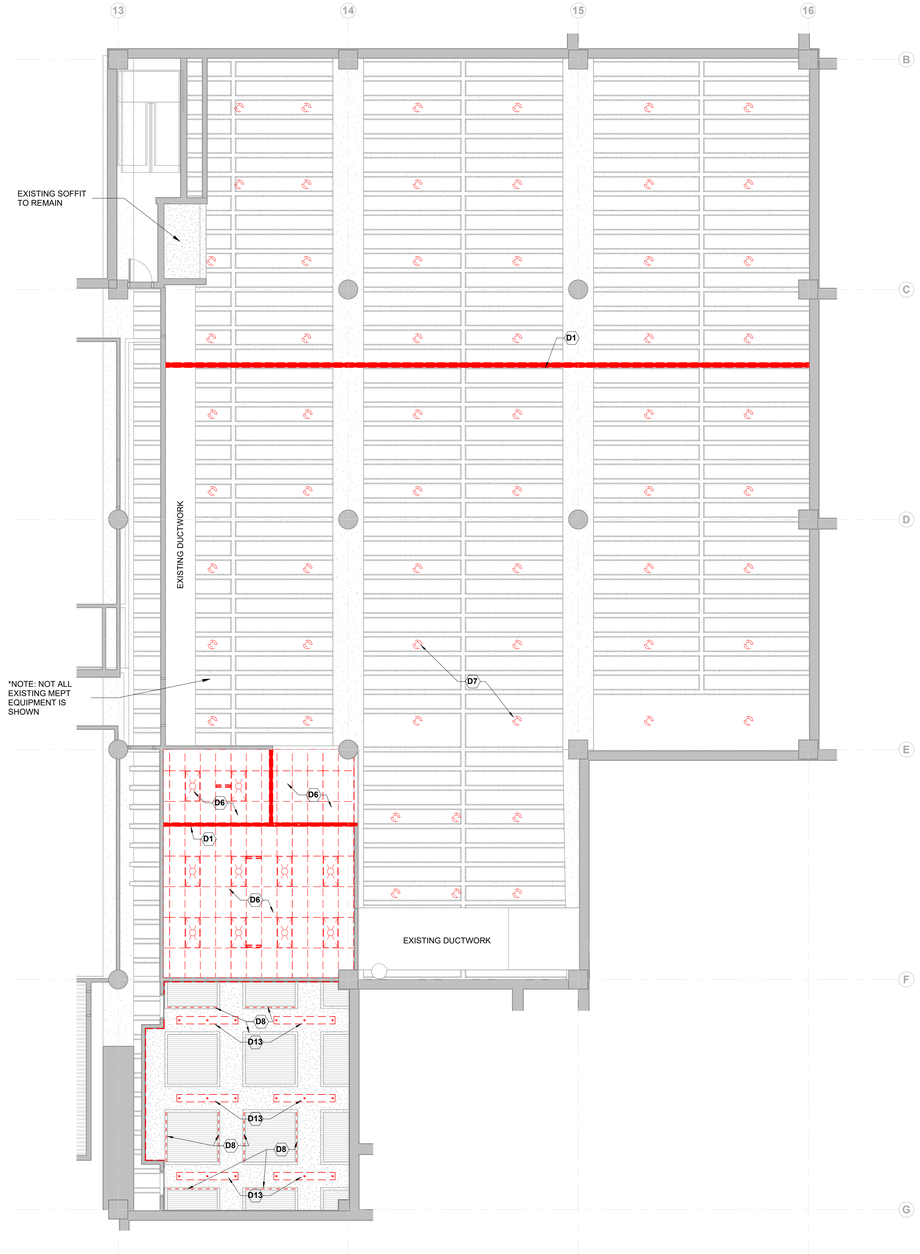
DEMOLITION KEYNOTES

KEY	DESCRIPTION
D1	REMOVE WALL IN ITS ENTIRETY
D2	REMOVE EXISTING DOOR AND FRAME.
D3	REMOVE EXISTING HIGH DENSITY STORAGE IN ITS ENTIRETY, INCLUDING FLOOR TRACK, CARPET, ACCESSORIES, ETC. (ALT 01).
D4	EXISTING FLAT FILE CABINETS TO BE RELOCATED PRIOR TO CONTRACT (BY OWNER).
D5	REMOVE EXISTING DOOR PANEL. PROTECT AND SALVAGE HM FRAME TO BE RE-USED.
D6	REMOVE EXISTING PANEL CEILING LIGHT FIXTURES, AND MECH. SALVAGE DIFFUSERS FOR REINSTALL.
D7	REMOVE EXISTING PENDANT LIGHT FIXTURES.
D8	REMOVE EXISTING TRACK LIGHTING. PATCH / REPAIR / PAINT DRYWALL TO MATCH EXISTING. ALL LOCATIONS TO BE VIF.
D9	REMOVE EXISTING STORAGE SHELVING (ALT 01).
D10	REMOVE EXISTING WALL BASE.
D11	REMOVE PORTION OF EXISTING CONCRETE SLAB FOR NEW UNDERFLOOR PIPING, SEE PLUMBING
D12	REMOVE PORTION OF WALL FOR NEW DOOR INTO DIGITIZATION LAB.
D13	REMOVE EXISTING LIGHT FIXTURES.
D14	REMOVE CARPET WALL, WOOD BACKUP TO REMAIN (ALL SURFACES WITHIN ROOM).
D15	REMOVE DATA / POWER / WIREMOLD ALONG WALLS - REFER TO ELECTRICAL DEMO



A1 FIRST LEVEL DEMOLITION PLAN

1/8" = 1'-0"



A4 FIRST LEVEL REFLECTED CEILING DEMOLITION PLAN

1/8" = 1'-0"

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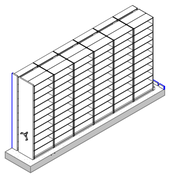
09/19/25	100% CONSTRUCTION DOCUMENTS

SHEET NAME

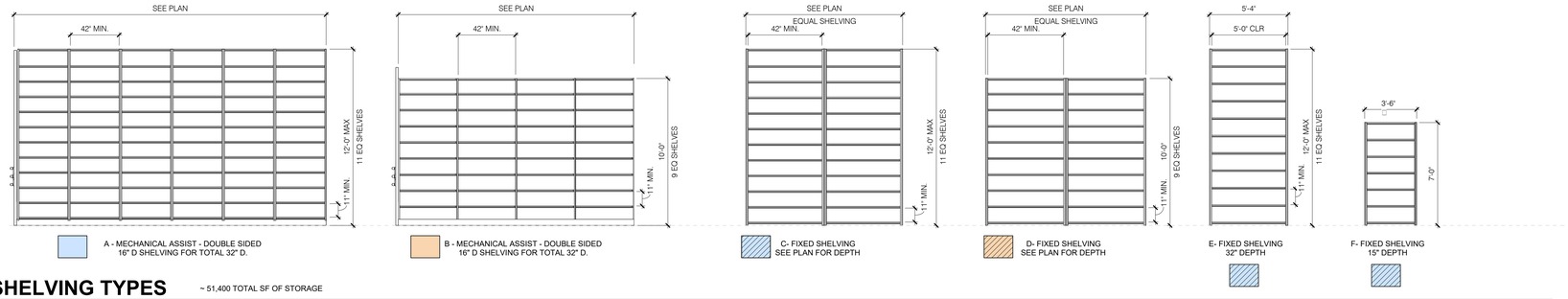
DEMOLITION FLOOR PLAN AND REFLECTED CEILING PLAN

SHEET NUMBER

AD101



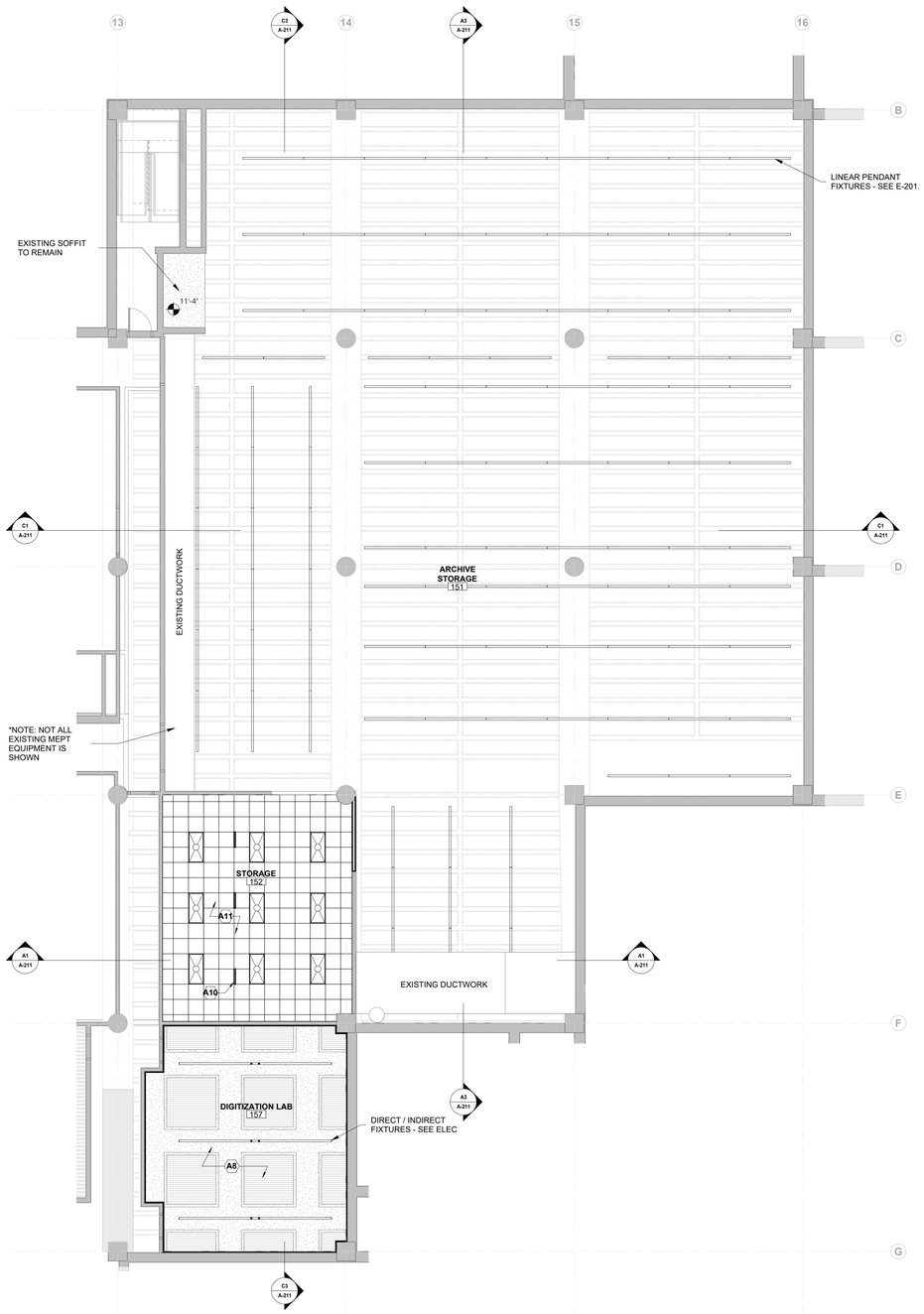
SHELVING AXON - FOR REFERENCE



SHELVING TYPES

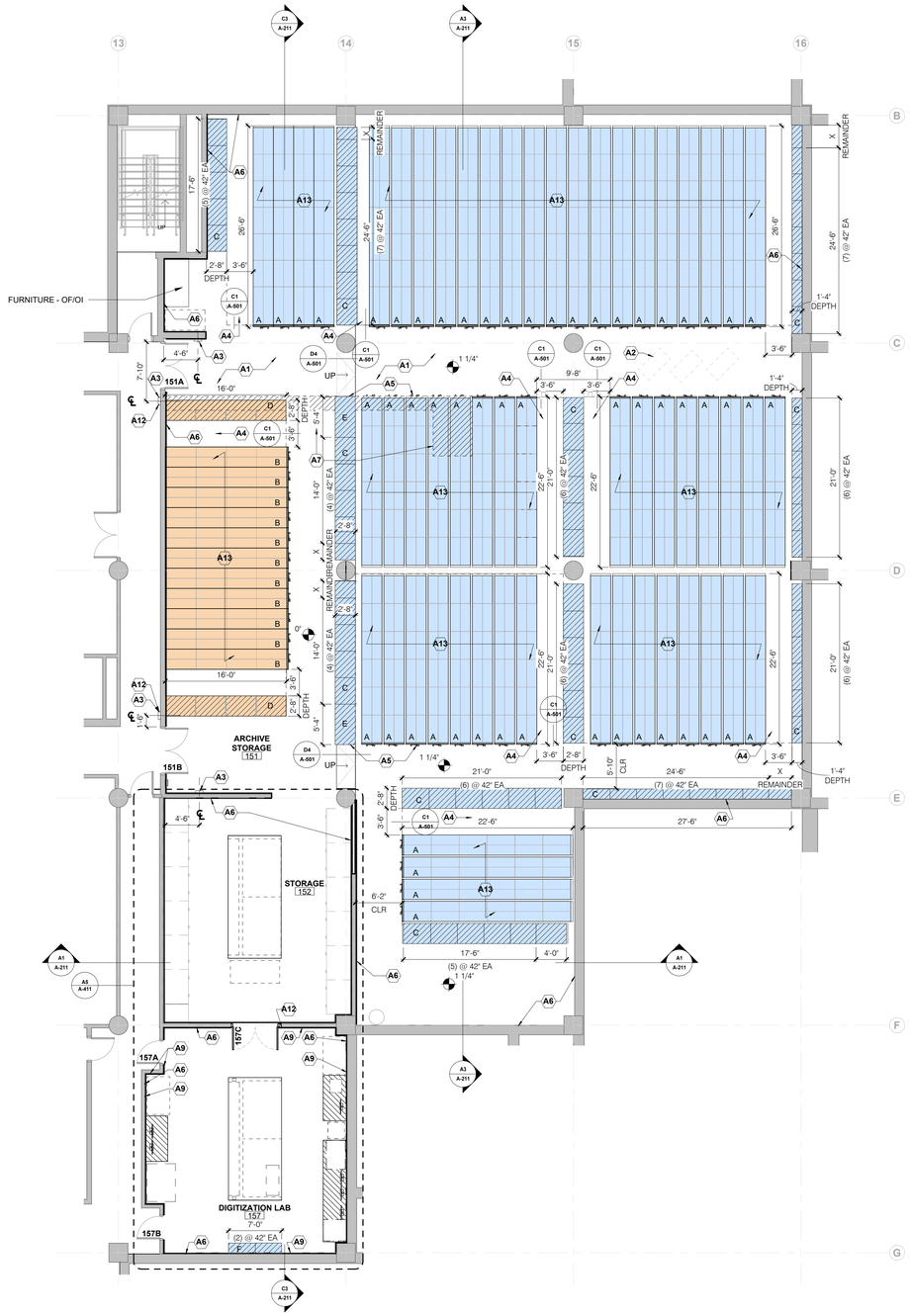
~ 51,400 TOTAL SF OF STORAGE

1/4" = 1'-0"



A1 ARCHIVES STORAGE - REFLECTED CEILING PLAN

1/8" = 1'-0"



A3 ARCHIVES STORAGE - ENLARGED FLOOR PLAN

1/8" = 1'-0"

CEILING LEGEND

- 2' X 2' SATC
- SURFACE MOUNTED/PENDANT DOWNLIGHT
- 2'x4' TROFFER LIGHT
- SPRINKLER HEAD
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXISTING LINEAR DIFFUSER - REUSED

FLOOR & CEILING PLAN NOTES

KEY	DESCRIPTION
A1	GRIND ENTIRE EXISTING CONCRETE FLOORING TO LEVEL FINISH WITHIN HIGH DENSITY STORAGE TOLERANCES. ENTIRETY OF CONCRETE FLOOR TO BE SEALED.
A2	HEAVY DUTY LADDER (3) IN TOTAL - BASIS OF DESIGN: FS INDUSTRIES MODEL SW 832
A3	AUTO DOOR ACTUATOR MOUNTED @ 42" AFF. INSTALLATION TO BE COORDINATED PRIOR TO INSTALLATION.
A4	3/4" (MIN) PLYWOOD SUBFLOOR AND RAMP ENTIRE FOOTPRINT OF MECHANICAL ASSIST SHELVING FOR RAIL ATTACHEMENT. COVER PLYWOOD SUBFLOOR WITH L-1.
A5	ALIGN FACE OF SHELVING
A6	NEW WALL BASE, RB-1 AT ALL GWB & CONCRETE WALLS
A7	PATCH CAST IN PLACE CONCRETE FLOOR AS REQUIRED.
A8	PAINT EXISTING GYP CEILING. PROTECT EXISTING WOOD CEILING. NEW LIGHT FIXTURES TO BE INSTALLED.
A9	INSTALL NEW GYP BD. PNT PER FINISH SCHEDULE.
A10	CONTRACTOR TO COORDINATE ALL MECH DIFFUSERS / SUPPLY AIR GRILLES & VENTS IN NEW INSTALLED CEILING TILE.
A11	CEILING TILE TO BE CENTERED IN ROOM UNLESS NOTED OTHERWISE.
A12	CARD READER (INSTALLATION TO BE COORDINATED PRIOR TO INSTALLATION).
A13	ALT #2: LED AISLE LIGHTING @ MOBILE SHELVING SYSTEM.

GENERAL NOTES

A. ALL DIMENSIONS ARE ACTUAL AND ARE TO FACE OF METAL STUDS, FACE OF MASONRY, OR CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE.

B. FLOOR SPOT ELEVATIONS ARE SHOWN THUS: 0'-0"

C. ALL WALLS AND EXPOSED CEILINGS, CONDUITS, SPRINKLERS, DUCTS, GRILLES, ETC. TO BE PAINTED PT-1 UNLESS OTHERWISE NOTED.

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NEUMANN MONSON ARCHITECTS

PROJECT NAME

DAS - SHB - ARCHIVES STORAGE RENOVATION DAS# 9485.00

OWNER
STATE OF IOWA
DAS No. 9485.00

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

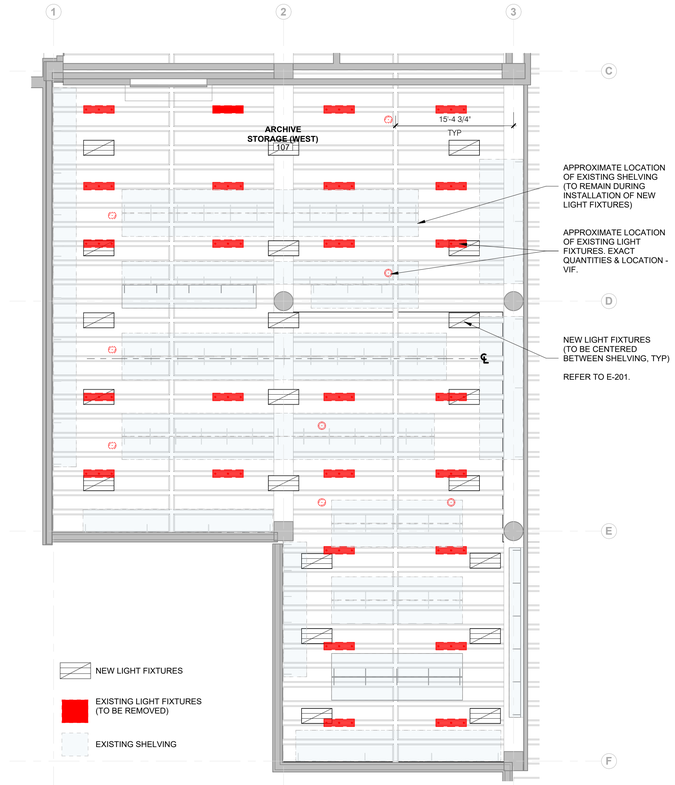
SHEET NAME

FLOOR PLAN AND REFLECTED CEILING PLAN

SHEET NUMBER

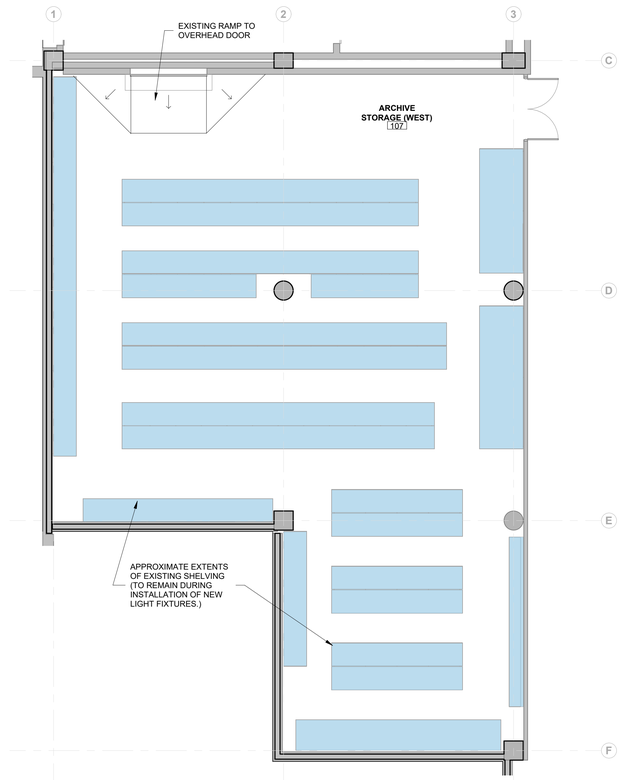
A-101

TB Version 16.3



C5 ARCHIVE STORAGE (WEST) - REFLECTED CEILING PLAN

1/8" = 1'-0"



A5 ARCHIVE STORAGE (WEST) - ENLARGED FLOOR PLAN

1/8" = 1'-0"

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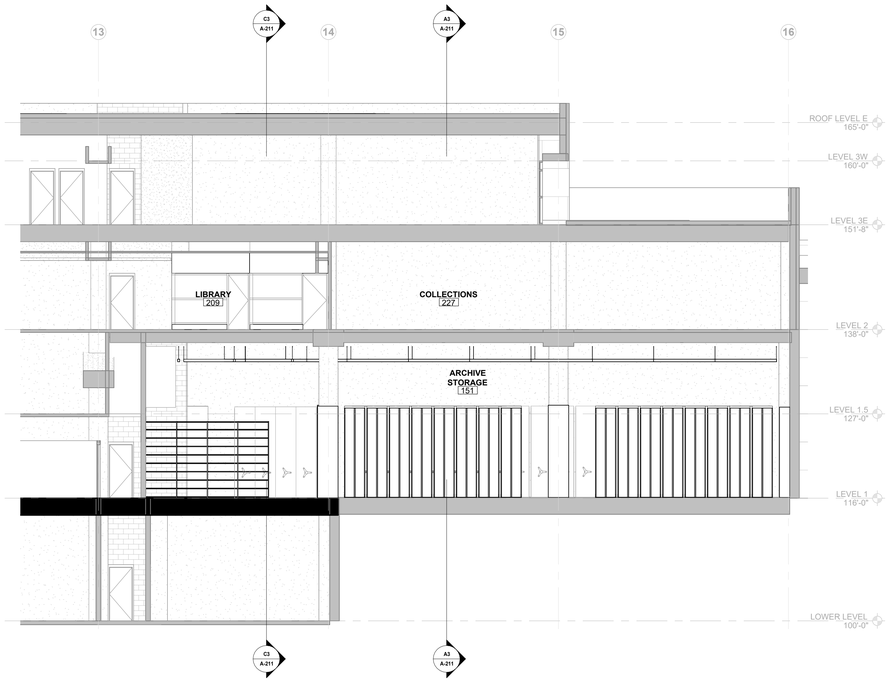
SHEET NAME

FLOOR PLAN AND REFLECTED CEILING PLAN

SHEET NUMBER

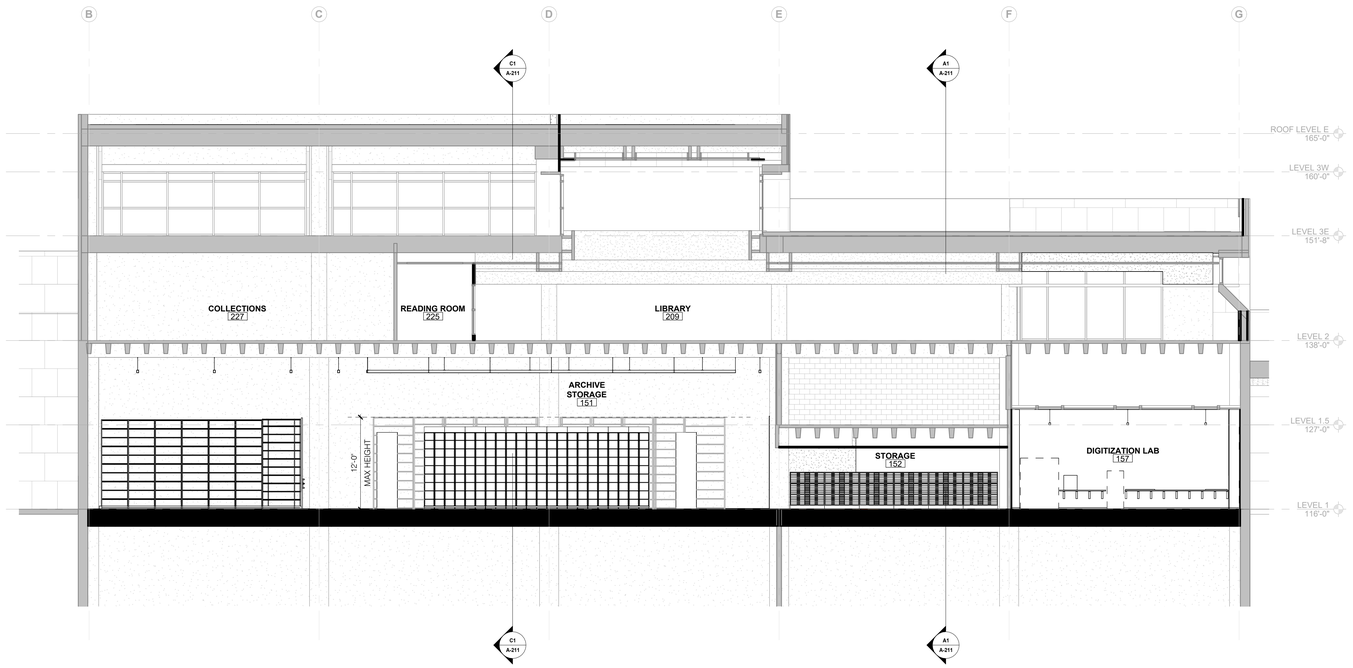
A-101B

TB Version 16.3



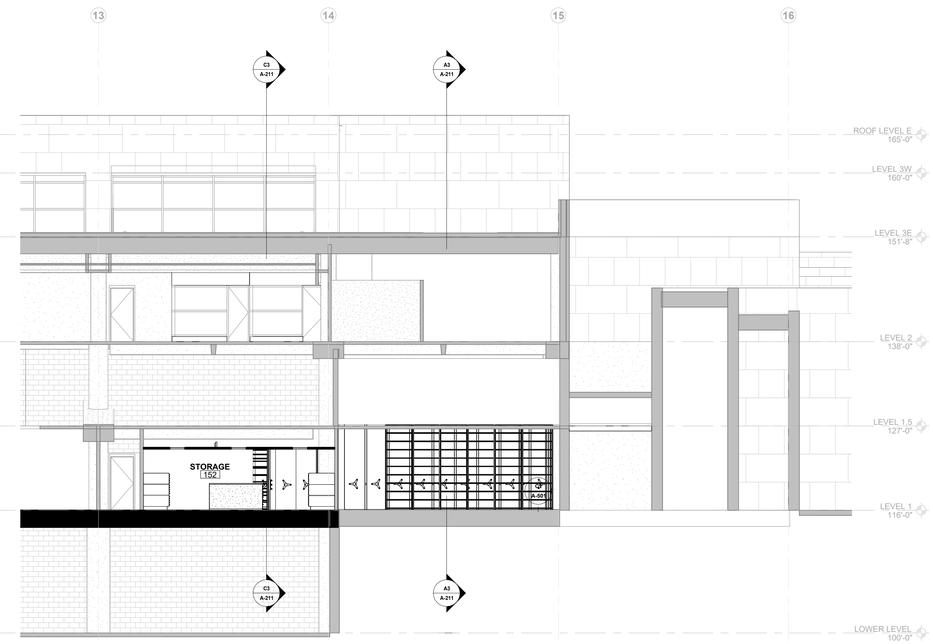
C1 BUILDING SECTION - E/W

1/8" = 1'-0"



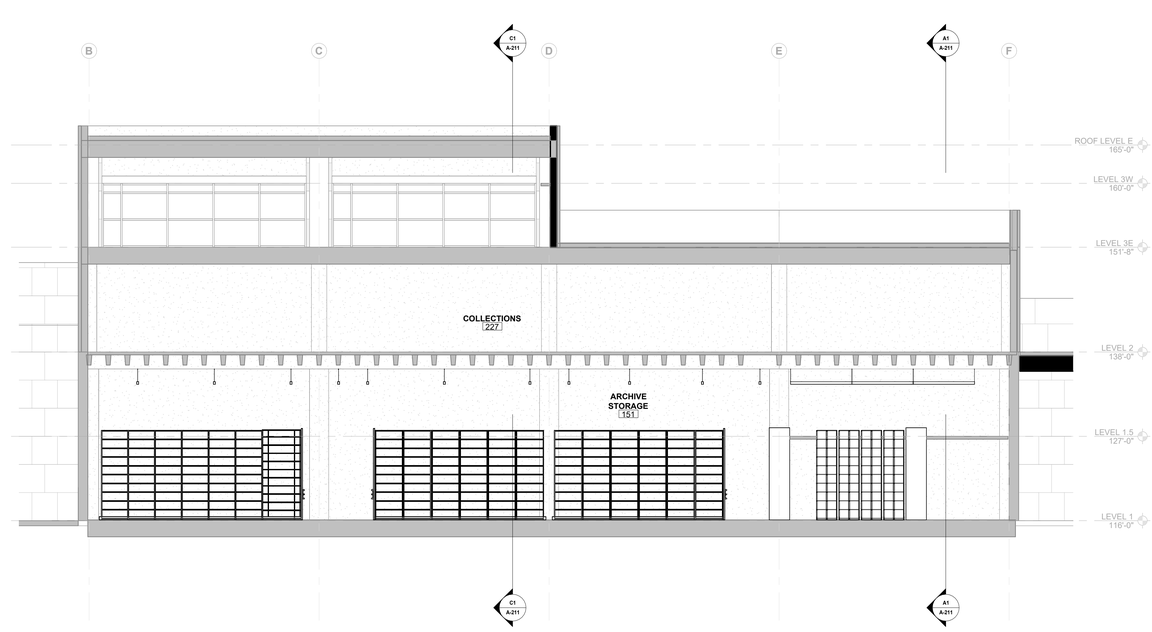
C3 BUILDING SECTION - N/S1

1/8" = 1'-0"



A1 BUILDING SECTION - E/W1

1/8" = 1'-0"



A3 BUILDING SECTION - N/S

1/8" = 1'-0"

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DAS No. 9485.00

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

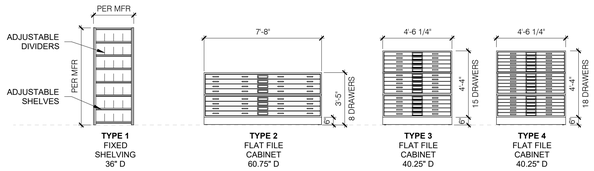
SHEET NAME

BUILDING SECTIONS

SHEET NUMBER

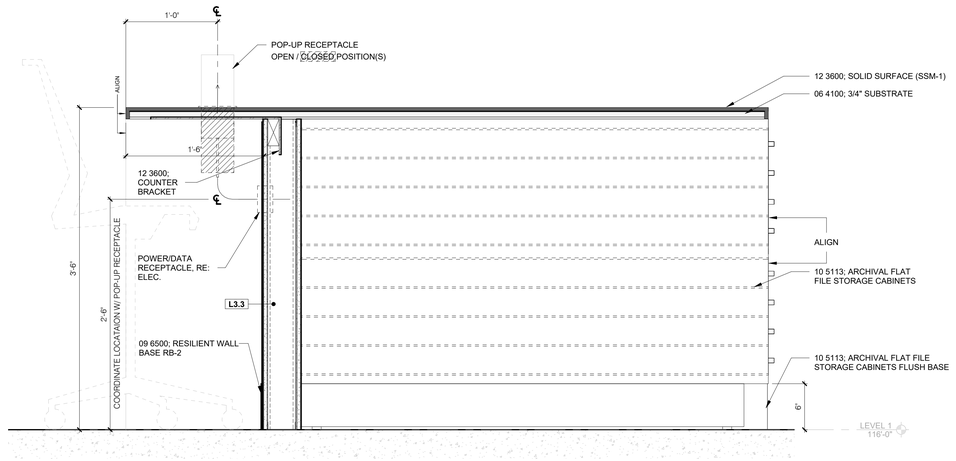
A-211

TB Version 16.3



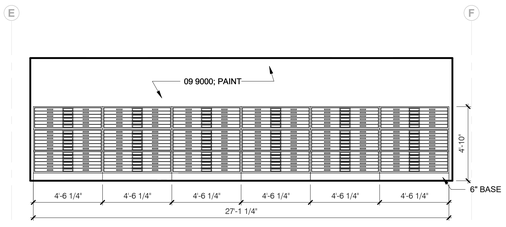
FLAT FILE CABINET TYPES

1/4" = 1'-0"



E4 COUNTER SECTION DETAIL @ STORAGE

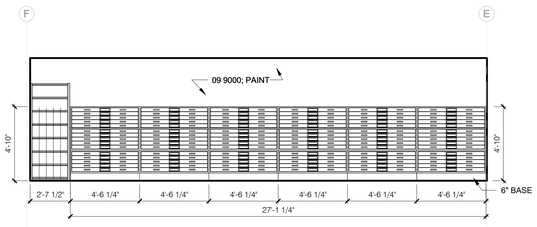
1 1/2" = 1'-0"



*FINAL DIMENSIONS TO BE COORDINATED WITH SUPPLIED PRODUCTS

D1 STORAGE 152 - EAST ELEVATION

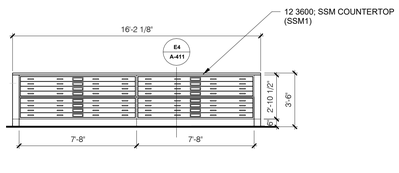
1/4" = 1'-0"



*FINAL DIMENSIONS TO BE COORDINATED WITH SUPPLIED PRODUCTS

D2 STORAGE 152- WEST ELEVATION

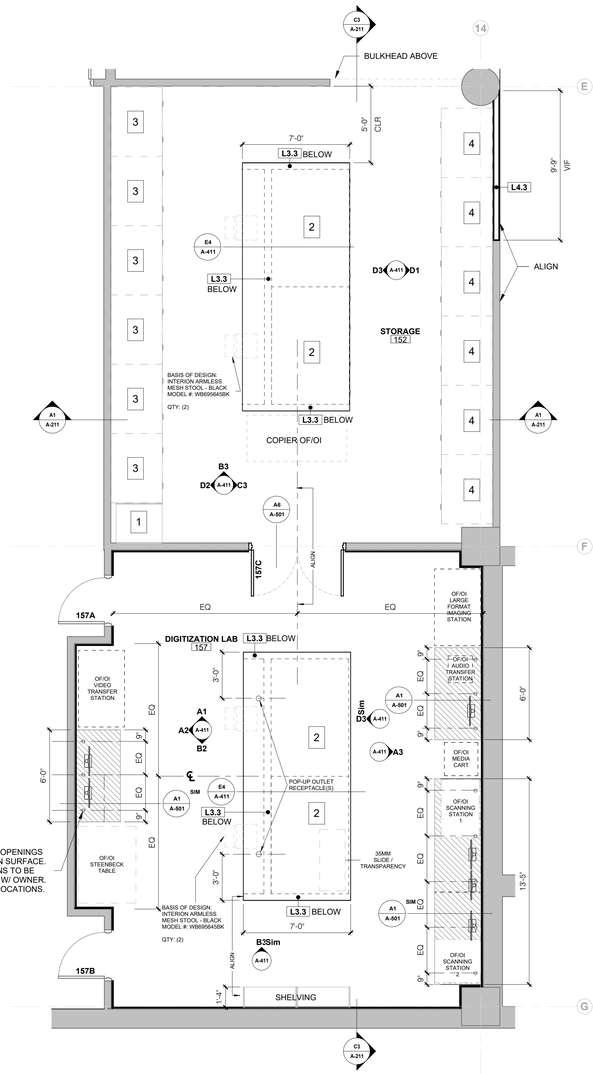
1/4" = 1'-0"

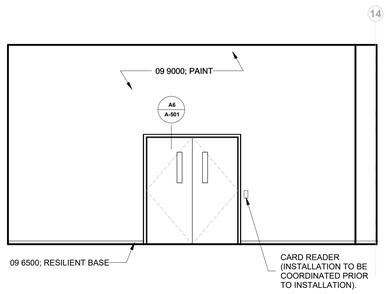


*FINAL DIMENSIONS TO BE COORDINATED WITH SUPPLIED PRODUCTS

D3 STORAGE 152 & DIGITIZATION LAB 157 - EAST

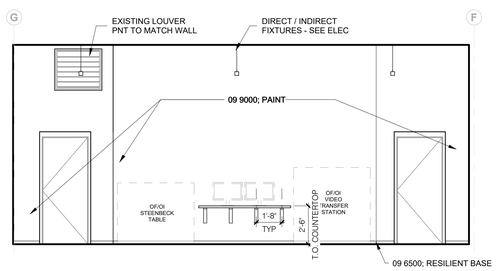
1/4" = 1'-0"





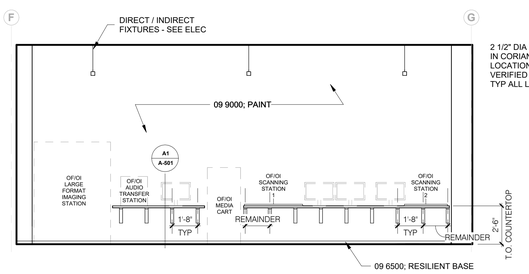
A1 DIGITIZATION LAB 157 - NORTH ELEVATION

1/4" = 1'-0"



A2 DIGITIZATION LAB 157 - WEST ELEVATION

1/4" = 1'-0"



A3 DIGITIZATION LAB 157 - EAST ELEVATION

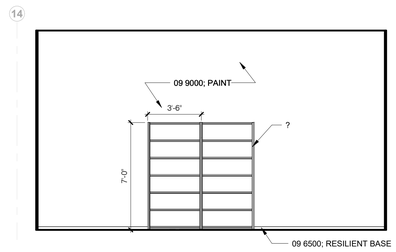
1/4" = 1'-0"

A5 STORAGE 152 & DIGITIZATION LAB 157 - ENLARGED PLAN

1/4" = 1'-0"

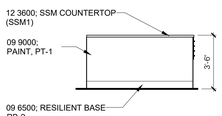
B3 STORAGE 152 & DIGITIZATION LAB 157 - SOUTH

1/4" = 1'-0" NORTH: SIM



B2 DIGITIZATION LAB 157 - SOUTH ELEVATION

1/4" = 1'-0"



C3 STORAGE 152 & DIGITIZATION LAB 157 - WEST

1/4" = 1'-0"

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OWNER

STATE OF IOWA
DAS No. 9485.00

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
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SHEET NAME

ENLARGED PLANS AND ELEVATIONS

SHEET NUMBER

A-411

TB Version 16.3

ROOM SCHEDULE

Room NO.	Room NAME	FLOOR	BASE	WALL	CEILING	NOTES
151	ARCHIVE STORAGE	-	RB-1	PT-1	PT-1	PAINT ALL WALLS AND CEILINGS
152	STORAGE	L-1	RB - 1 / RB-2	PT-1	SATC-1	PAINT ALL WALLS AND CEILINGS. RB-2 AT ISLAND.
157	DIGITIZATION LAB	L-1	RB - 1 / RB-2	PT-1	PT-1	PROTECT WOOD CEILING ELEMENTS DURING PAINTING EXISTING GYP CEILING. RB-2 AT ISLAND.

INTERIOR FINISHES

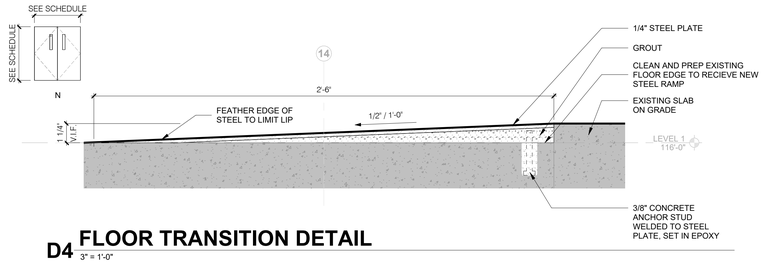
Designator	Material	Manufacturer	Description	Comments
SATC-1	09 5100; Acoustical Ceiling	Armstrong	Optima Tegular, 24" x 24" NO. 3251	STORAGE ROOM 105 CEILING
RB-1	09 6500; Resilient Base	Johnsonite	Millwork Wall Base - Mandalay - 2 1/2" Color: 01 Snow White	AT ALL EXISTING AND NEW GWB WALLS
RB-2	09 6500; Resilient Base	Johnsonite	Millwork Wall Base - Mandalay - 6 Color: 01 Snow White	AT ISLAND STORAGE 152 & DIGITIZATION LAB 157
L-1	09 6500; Resilient Flooring	Forbo Flooring Systems	Collection: Marmoleum Color: 3367 Alloy	STORAGE 152 & DIGITIZATION LAB 157
PT-1	09 9000; Paint	Sherwin-Williams	SW 7004, Snowbound	PRIMARY FIELD COLOR. PAINT ALL EXISTING WALLS, NEW WALLS, AND EXPOSED STRUCTURE.
SSM-1	12 3600; Solid Surface	Corian	Glacier White - 1/2"	STORAGE ROOM 105 COUNTER

EXISTING DOOR SCHEDULE

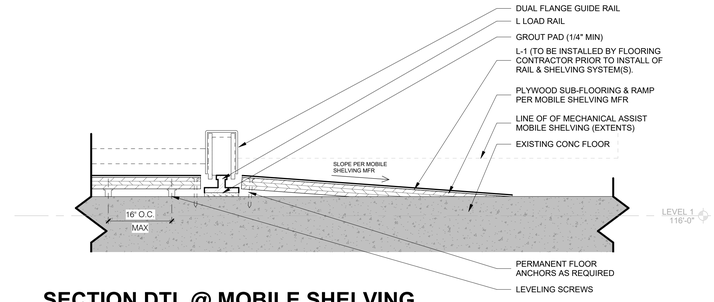
NO.	ROOM	DOOR MAT	DOOR FINISH	FRAME FINISH	NOTES
151A	ARCHIVE STORAGE	EXISTING	PLAM	PT-1	REUSE EXISTING HM FRAME
151B	ARCHIVE STORAGE	EXISTING	PLAM	PT-1	REUSE EXISTING HM FRAME
157A	DIGITIZATION LAB	EXISTING	PLAM	PT-1	CHANGE CORE & KEYING, REMAINING ITEMS REQUIRE NO CHANGE, PAINT FRAMES
157B	DIGITIZATION LAB	EXISTING	PLAM	PT-1	CHANGE CORE & KEYING, REMAINING ITEMS REQUIRE NO CHANGE, PAINT FRAMES

NEW DOOR SCHEDULE

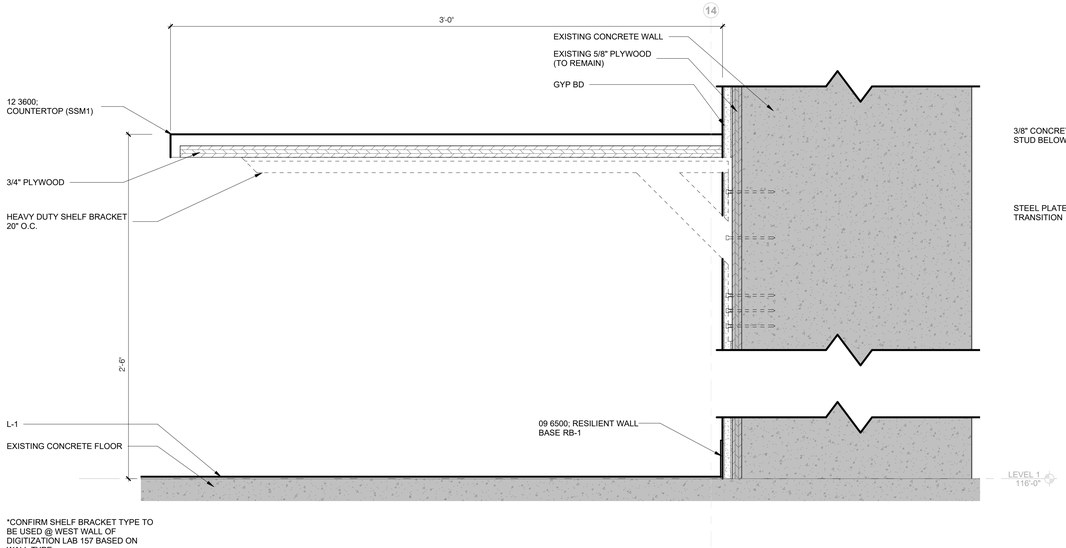
NO.	ROOM	Door Size Width	Height	Panel Function	DOOR MAT	FINISH	Panel Type
157C	DIGITIZATION LAB	6'-0"	7'-0"	PAIR	HM	PT	Panel-NV : N



D4 FLOOR TRANSITION DETAIL
3" = 1'-0"

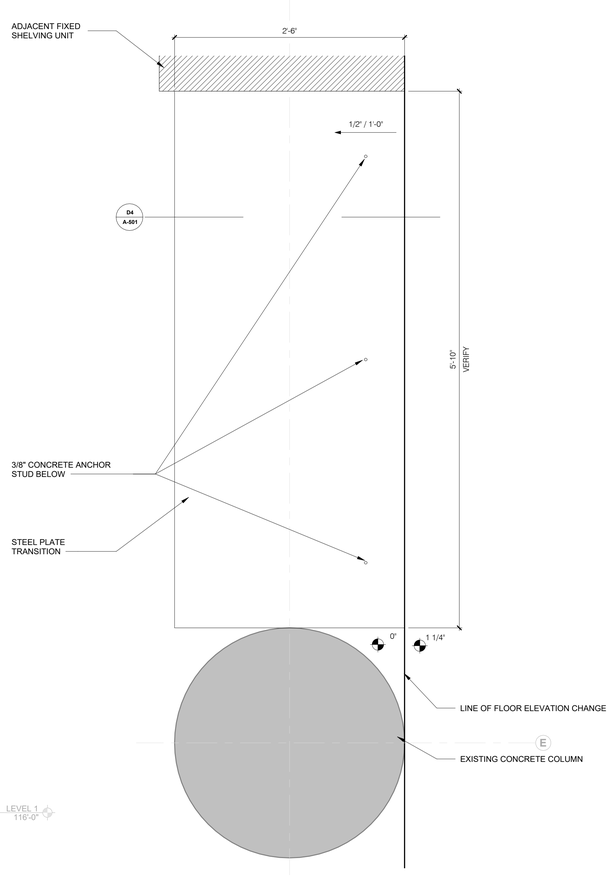


C1 SECTION DTL @ MOBILE SHELVING
3" = 1'-0"

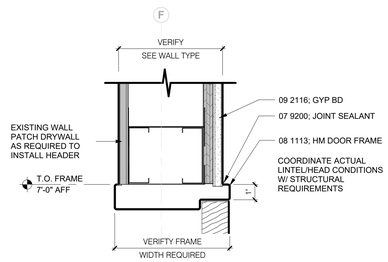


*CONFIRM SHELF BRACKET TYPE TO BE USED @ WEST WALL OF DIGITIZATION LAB 157 BASED ON WALL TYPE.

A1 SECTION DTL @ DIGITIZATION LAB COUNTERTOP
3" = 1'-0"



A4 PLAN DETAIL - FLOOR TRANSITION - TYPICAL
1 1/2" = 1'-0"



A6 HEAD DTL @ HM DOOR
3" = 1'-0"

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PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

SHEET NAME

DOOR SCHEDULE, FINISH SCHEDULE, AND INTERIOR DETAILS

SHEET NUMBER

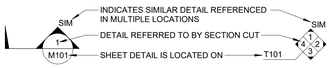
A-501

TB Version 16.3

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL



LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
- NEW
- EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
- NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
- EXISTING
- EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
- EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	PETER ERNZEN
MECHANICAL	PETER ERNZEN
ELECTRICAL	SENKO DIZDAREVIC
TECHNOLOGY	ALFONSO ARAULLO

FIRE SPRINKLER USAGE SCHEDULE

NOTES:
1. SEE FLOOR PLANS FOR ZONING REQUIREMENTS.
2. SPRINKLER SHALL HAVE COLOR CODED BULB THERMAL ELEMENT.
3. ALL SPRINKLERS SHALL BE UL LISTED.
4. CONTRACTOR TO VERIFY SPRINKLER REQUIREMENTS BASED ON ACTUAL INSTALLATION, USAGE, ARCHITECTURAL CEILING PLAN AND NFPA 13 REQUIREMENTS.
5. TAG NAME IS PRIMARILY FOR IDENTIFYING SPRINKLERS IN SUBMITTALS. IT MAY OR MAY NOT BE FOUND ELSEWHERE ON THE DRAWINGS. CONTRACTOR TO SUBMIT ALL SPRINKLER TYPES TO BE USED.
6. AREAS ARE GENERAL IN NATURE. CONTRACTOR TO MATCH UNSCHEDULED AREAS TO SIMILAR SPACES.
7. SPRINKLERS SPECIFIED WITHIN FIRE SPRINKLER USAGE SCHEDULE ARE STANDARD COVERAGE TYPE. EXTENDED COVERAGE SPRINKLERS ARE PERMITTED PROVIDED SPRINKLERS MEET THE REQUIREMENTS OF UL.

AREA TYPE (NOTE 1 & 6)	AREA HAZARD	SPRINKLER				TEMPERATURE RATING	MANUFACTURER & MODEL	NOTES
		TAG NAME (NOTE 4 & 5)	SPRINKLER TYPE	RESPONSE CATEGORY	FINISH			
AREAS WITH FINISHED CEILINGS	SEE PLANS	SPR-1	CONCEALED - FLAT PLATE	QUICK	WHITE	PER NFPA	VIKING VK, RELIABLE G4A, TYCO RFII, VICTAULIC V3802	NOTES 3, 7
AREAS WITH EXPOSED STRUCTURE	SEE PLANS	SPR-2	UPRIGHT	QUICK	ROUGH BRASS	PER NFPA	VIKING VK, RELIABLE F1FR, TYCO TY-FRB, VICTAULIC V2704	NOTES 3, 7

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, DUCTWORK AND PLUMBING.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
5. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK BEYOND WHAT IS SHOWN ON THE ARCHITECTURAL PLANS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH THEIR AREAS OF WORK BEYOND WHAT IS SHOWN ON THE ARCHITECTURAL PLANS.
7. WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
9. OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
11. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

FIRE PROTECTION GENERAL NOTES:

1. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
2. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER IS THE BASIS OF DESIGN.
3. CENTER SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'X4' CEILING TILES CENTERING USING A 2'X2' CEILING PATTERN IS ACCEPTABLE. SPRINKLER HEADS SHALL BE ALIGNED WITH OTHER SPRINKLER HEADS, LIGHTING, DIFFUSERS, AND ANY OTHER FEATURES IN THE CEILING.
4. NEW SPRINKLERS SHALL BE QUICK RESPONSE TYPE, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOT MIX STANDARD RESPONSE SPRINKLERS WITH QUICK RESPONSE SPRINKLERS IN UNPARTITIONED SPACES.
5. PROVIDE COVERAGE ABOVE AND BELOW ALL EXPOSED DUCTWORK GREATER THAN 48" WIDE.
6. PROVIDE COVERAGE ABOVE (IF APPLICABLE) AND BELOW FLOATING CEILINGS, REFER TO ARCHITECTURAL PLANS.
7. FIRE PROTECTION PIPE ROUTING IS SHOWN FOR GENERAL LAYOUT. DETERMINE EXACT NUMBER OF SPRINKLERS, PIPE SIZING, AND PIPE ROUTING.
8. THE FIRE PROTECTION SYSTEM SHALL BE DESIGNED TO MEET OWNER'S INSURANCE COMPANY STANDARDS WHERE APPLICABLE. THE MORE STRINGENT OF THE OWNER'S INSURANCE UNDERWRITER'S DESIGN CRITERIA AND THE NFPA STANDARDS SHALL BE USED.
9. ALL BUILDING AREA SHALL BE FULLY SPRINKLERED INCLUDING CANOPIES, WALKWAYS, OVERHANGS, SOFFITS, AND BUILDING PROJECTIONS. ALL ACCESSIBLE COMBUSTIBLE CONCEALED SPACES SHALL BE FULLY PROTECTED BY THE SPRINKLER SYSTEM.
10. WHERE FEASIBLE INSTALL PIPES HIGH AS POSSIBLE TO AVOID CONFLICT WITH OTHER DISCIPLINES.
11. INSTALL SYSTEM DRAINS AT LOW POCKET AREAS CONTAINING FIVE GALLONS OF WATER OR MORE, PROVIDE WITH ISOLATION VALVE AND THREADED HOSE CONNECTION.
12. MAIN PIPING PASSING BELOW SKYLIGHTS OR CLERESTORIES ARE NOT PERMITTED.
13. FOLLOW STRUCTURAL DETAILS WHEN PENETRATING OR PASSING THROUGH STRUCTURAL ELEMENTS. ALTERNATE DESIGNS WILL NEED TO BE APPROVED THROUGH THE STRUCTURAL ENGINEER.
14. PROVIDE INTERMEDIATE TEMPERATURE SPRINKLER HEADS WHERE REQUIRED BY NFPA 13 UNLESS OTHERWISE NOTED.
15. FINAL HEAD LOCATION, TYPE AND FINISH SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT.
16. PAINT ALL EXPOSED PIPING TO MATCH BACKGROUND OR AS DIRECTED BY THE ARCHITECT.
17. THE OWNER MUST BE NOTIFIED PRIOR TO EACH AND EVERY DRAINING OR RECHARGING OF THE SPRINKLER SYSTEM.
18. THE CONTRACTOR SHALL PREPARE A COORDINATED SET OF SHOP DRAWINGS AND SHALL OBTAIN APPROVAL FROM THE AUTHORITIES HAVING JURISDICTION AND THE LOCAL FIRE DEPARTMENT PRIOR TO ANY INSTALLATION.
19. DRAWINGS SHOW LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC. AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
20. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, DUCTWORK AND PLUMBING.

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
5. 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.
6. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
8. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
9. IN AREAS WITH DRYWALL CEILINGS, EACH CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. THAT ARE PART OF THEIR WORK. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT.
10. CAULK ALL PIPE AND DUCT PENETRATIONS 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.
11. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
12. DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
13. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
14. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC.
15. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

FIRE PROTECTION SHEET INDEX

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www.imegcorp.com

0 1 2 3
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515.339.7800

CONSULTANTS

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Des Moines, IA 50322
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NEUMANN MONSON ARCHITECTS

PROJECT NAME

DAS - SHB - ARCHIVES STORAGE RENOVATION DAS # 9485.00

OWNER

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

SHEET NAME

FIRE PROTECTION COVERSHEET

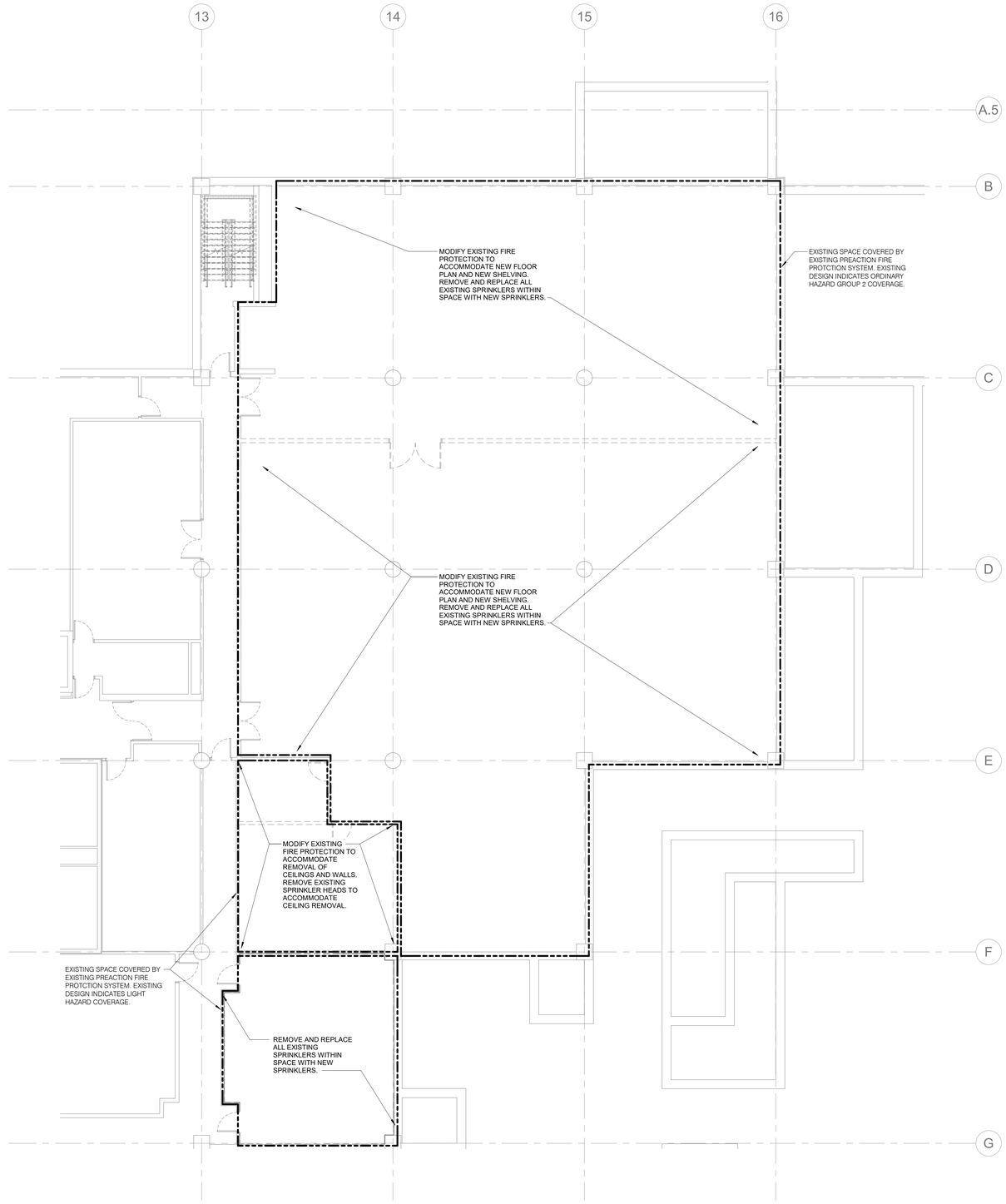
SHEET NUMBER

F-000

TB Version 16.3

SHEET NOTES:

1. EXISTING FIRE PROTECTION SYSTEM IS A PREACTION SYSTEM. EXISTING SYSTEM IS SERVED BY A FIRE PUMP. FIRE PUMP RATED PRESSURE IS 45 PSI AT 1000 GPM AND WATER SUPPLY IS 106 PSI STATIC, 86 PSI RESIDUAL WITH 2069 GPM FLOW RATE. DATE OF WATER SERVICE TEST IS 7/23/2021. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING WATER SERVICE AND FIRE PUMP DATA AND TEST INFORMATION PRIOR TO COMPLETING DESIGN.



NORTH

1 FIRST FLOOR DEMOLITION PLAN - FIRE PROTECTION

1/8" = 1'-0"

ARCHITECT OF RECORD

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REF. SCALE IN INCHES

PROJECT #02010338.00

SHEET NAME

FIRST FLOOR DEMOLITION PLAN - FIRE PROTECTION

SHEET NUMBER

FD101

TB Version 16.3

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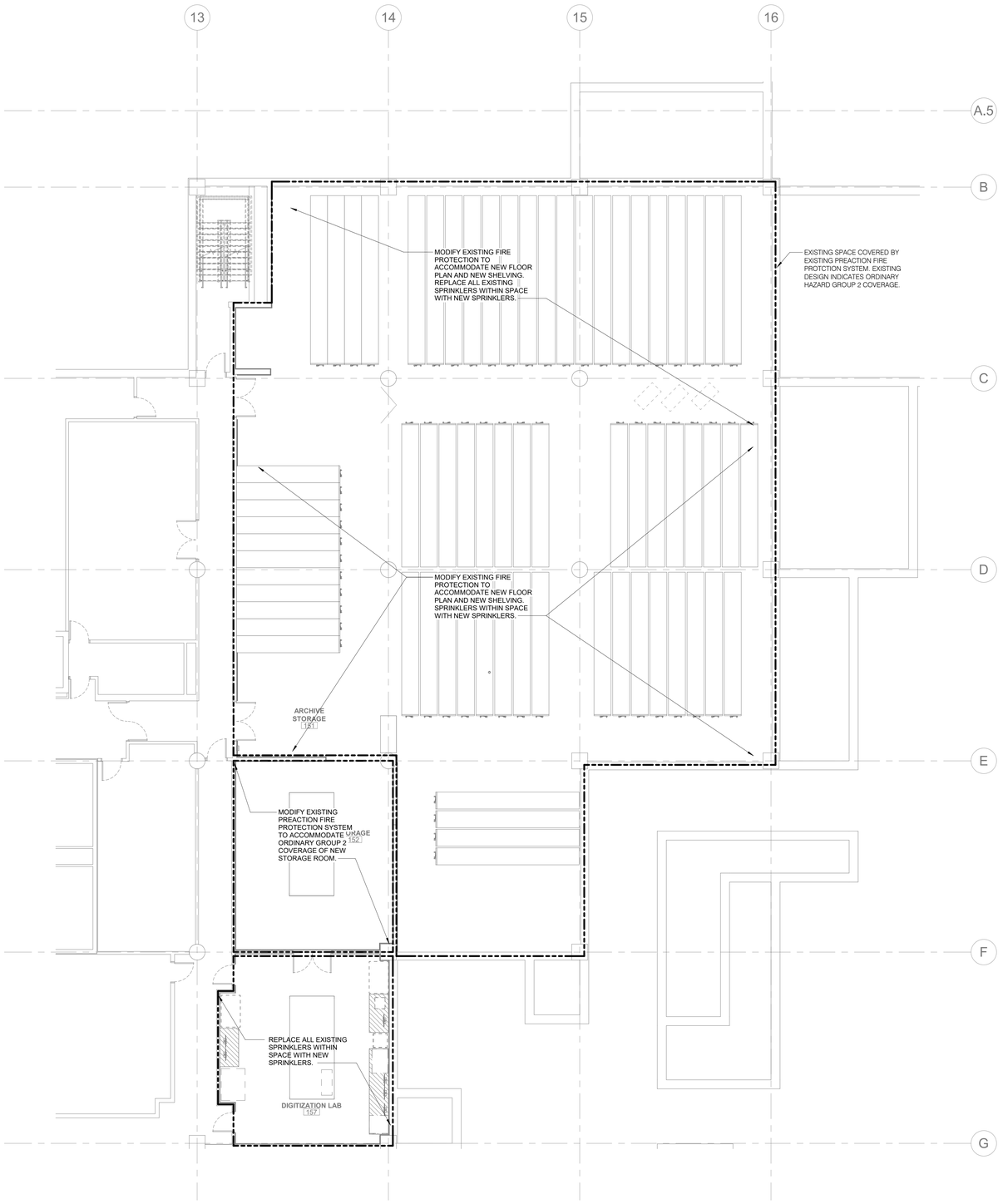

NORTH 1 **FIRST FLOOR PLAN - FIRE PROTECTION**
1/8" = 1'-0"

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ISSUE

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REF. SCALE IN INCHES
PROJECT #22010338.00

SHEET NAME
FIRST FLOOR PLAN - FIRE PROTECTION

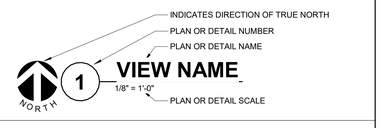
SHEET NUMBER
F-201

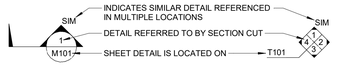
TB Version 16.3

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL





LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
———— NEW
- - - - - - - - EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
— — — — NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
———— EXISTING
- - - - - - - - EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
— — — — EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	PETER ERNZEN
MECHANICAL	PETER ERNZEN
ELECTRICAL	SENKO DIZDAREVIC
TECHNOLOGY	ALFONSO ARAULLO

PLUMBING SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
CW	COLD WATER - POTABLE
D	DRAIN
HW	HOT WATER - POTABLE
HWC	HOT WATER CIRCULATING - POTABLE
SAN	SANITARY DRAINAGE
ST	STORM DRAINAGE
STS	STORM DRAINAGE (SECONDARY)
V	VENT
	PIPE CONTINUATION
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
FD	PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)
	DIRECTION OF FLOW IN PIPE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
GPM	BALANCING VALVE (NUMBER INDICATES GPM)
	CHECK VALVE

PLUMBING ABBREVIATION KEY

ABBR:	DESCRIPTION:
CO	CLEANOUT
E	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
TYP	TYPICAL

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, DUCTWORK AND PLUMBING.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
5. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK BEYOND WHAT IS SHOWN ON THE ARCHITECTURAL PLANS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH THEIR AREAS OF WORK BEYOND WHAT IS SHOWN ON THE ARCHITECTURAL PLANS.
7. WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
9. OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
11. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

PLUMBING GENERAL NOTES:

1. THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.
2. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.
3. CONTRACTOR SHALL VERIFY THAT FIXTURES SUPPLIED ARE APPROVED PER ALL APPLICABLE STATE, LOCAL AND GOVERNING AUTHORITIES.
4. ALL FIXTURES SHALL CONFORM TO FEDERAL ACT S.3874
5. INVERT ELEVATIONS ARE FROM EXISTING DRAWINGS AND MAY NOT BE ACCURATE. VERIFY ALL ELEVATIONS BEFORE BEGINNING WORK.
6. VERIFY UNDERGROUND PIPE SIZES, INVERT ELEVATIONS, AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
7. REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES.
8. EXISTING CONDITIONS ON DEMOLITION PLANS ARE PROVIDED TO INDICATE THE GENERAL SCOPE OF ITEMS TO BE REMOVED. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL DEMOLITION INFORMATION.
9. P.C. SHALL CUT AND PATCH EXISTING AS REQUIRED FOR NEW OR DEMOLITION WORK UNLESS NOTED OTHERWISE. REFER TO SPECIFICATION SECTION 22 05 05 FOR ADDITIONAL INFORMATION.

MECHANICAL GENERAL NOTES:

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12. DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
13. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
14. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING; DUCTWORK, PIPING, ETC.
15. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

PLUMBING SLOPE REQUIREMENTS:

BASED ON PLUMBING CODE: UPC-2024

INTERIOR:	
SANITARY WASTE:	1/4" PER FOOT
GREASE WASTE:	1/4" PER FOOT
STORM (GRAVITY):	1/8" PER FOOT
CONDENSATE AND INDIRECT DRAINAGE:	1/8" PER FOOT
SANITARY AND GREASE VENT:	NO SPECIFIC PITCH, PITCH TO FIXTURES
DOMESTIC WATER:	NO SPECIFIC PITCH, PITCH TO FIXTURES

PLUMBING SHEET INDEX

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0 1 2 3
REF. SCALE IN INCHES
PROJECT #22010338.00

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NEUMANN MONSON ARCHITECTS

PROJECT NAME

DAS - SHB - ARCHIVES STORAGE RENOVATION DAS # 9485.00

OWNER

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

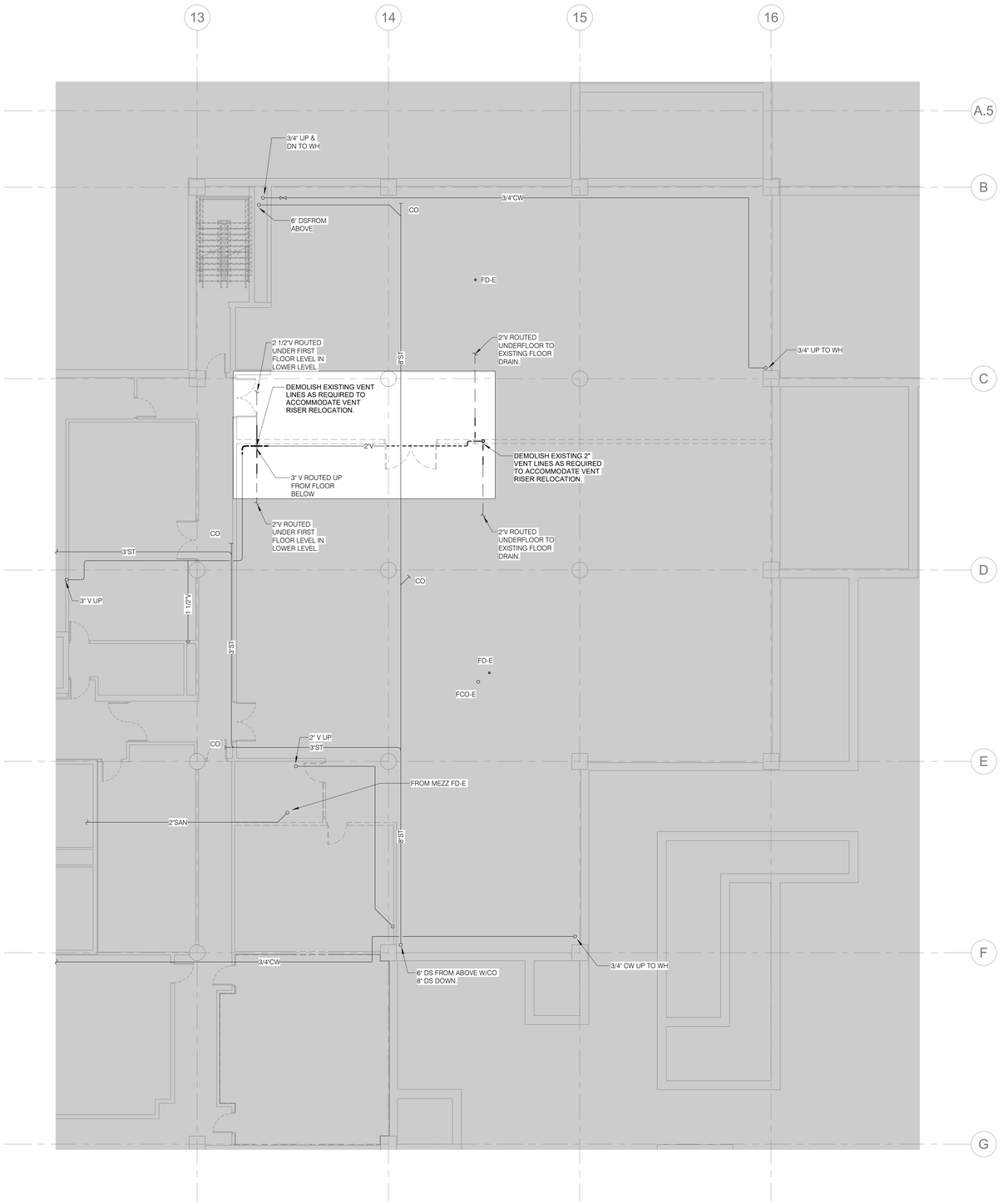
SHEET NAME

PLUMBING COVERSHEET

SHEET NUMBER

P-000

TB Version 16.3



NORTH

1 **FIRST FLOOR DEMOLITION PLAN - PLUMBING**

1/8" = 1'-0"

ARCHITECT OF RECORD

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PROJECT #22010338.00

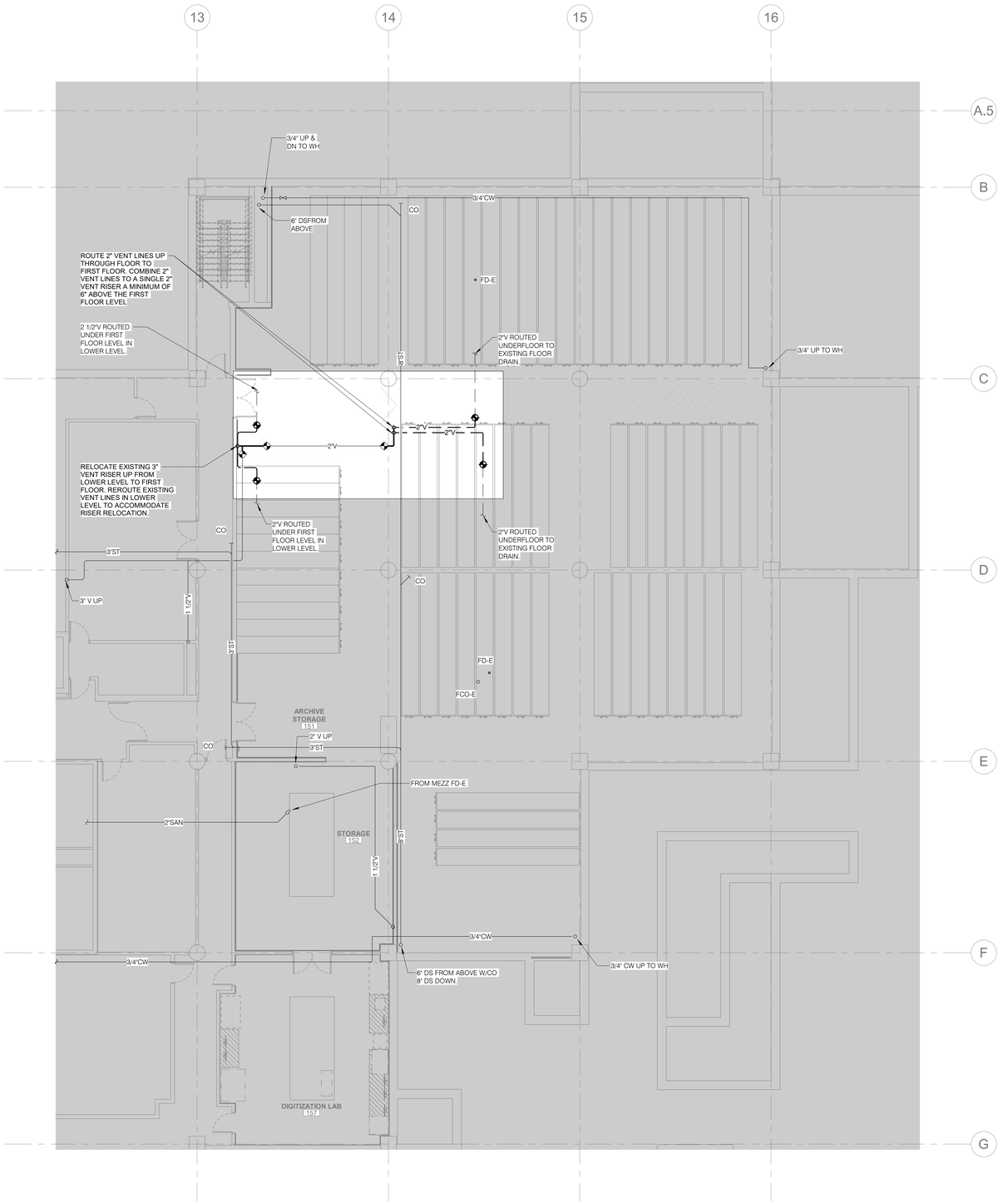
SHEET NAME

FIRST FLOOR DEMOLITION PLAN - PLUMBING

SHEET NUMBER

PD101

TB Version 16.3



NORTH 1 **FIRST FLOOR PLAN - PLUMBING**
1/8" = 1'-0"

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OWNER

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
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SHEET NAME
FIRST FLOOR PLAN - PLUMBING

SHEET NUMBER
P-201

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REF. SCALE IN INCHES

PROJECT #22010338.00

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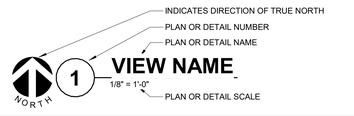
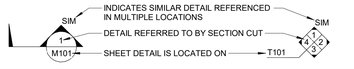
VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL





LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
- NEW
- EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
- NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
- EXISTING
- EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
- EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	PETER ERNZEN
MECHANICAL	PETER ERNZEN
ELECTRICAL	SENKO DIZDAREVIC
TECHNOLOGY	ALFONSO ARAULLO

MECHANICAL SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	THROTTLING VALVE
	BALANCING VALVE (NUMBER INDICATES GPM)
	CONTROL VALVE (TWO-WAY)
	"WYE" - STRAINER
	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP

MECHANICAL SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
	DIRECTION OF AIR FLOW
	FLEXIBLE DUCT
	MANUAL VOLUME DAMPER
	DUCT CAP
	DUCT DOWN
	DUCT UP
	SUPPLY/OUTSIDE AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	EXHAUST/RELIEF AIR DUCT SECTION
	4-WAY DIFFUSER WITH BLANKOFF IN ONE DIRECTION
SD-1 6/115	AIR TERMINAL PROPERTIES SYMBOL NECK SIZE/CFM
###	TERMINAL AIR BOX (REFER TO SCHEDULE)
###	TERMINAL AIR BOX w/REHEAT COIL (REFER TO SCHEDULE)
T	THERMOSTAT/SENSOR

MECHANICAL ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
C	COMMON
CO	CLEANOUT
CFSD	CONTROL/FIRE/SMOKE DAMPER
DPG (0-2")	DIFFERENTIAL PRESSURE GAUGE (RANGE)
DPS	DIFFERENTIAL PRESSURE SWITCH
EA	EXHAUST/RELIEF AIR
ECFSD	EXISTING CONTROL FIRE SMOKE DAMPER
EFD	EXISTING FIRE DAMPER
EFSD	EXISTING FIRE SMOKE DAMPER
EP	ELECTRICAL TO PNEUMATIC VALVE
ESD	EXISTING SMOKE DAMPER
FD	FIRE DAMPER
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FSD	FIRE/SMOKE DAMPER
MA	MIXED AIR
MV	MIXING VALVE
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
OA	OUTSIDE AIR
PS	PRESSURE SWITCH
RA	RETURN AIR
SA	SUPPLY AIR
SCCR	SHORT CIRCUIT CURRENT RATING
SD	SMOKE DAMPER
TAB	TERMINAL AIR BOX
TD	TRANSFER DUCT
TYP	TYPICAL
UC-1	DOOR UNDERCUT BY OTHERS (1" TYPICAL)
UON	UNLESS OTHERWISE NOTED

MECHANICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, DUCTWORK AND PLUMBING.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING DUCTWORK AND PIPING IS SHOWN. VERIFY EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY CONFLICTS WITH NEW WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR DUCTWORK AND PIPING BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
5. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK BEYOND WHAT IS SHOWN ON THE ARCHITECTURAL PLANS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH THEIR AREAS OF WORK BEYOND WHAT IS SHOWN ON THE ARCHITECTURAL PLANS.
7. WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, PIPING, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING MECHANICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.
8. PROVIDE TEMPORARY CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. MAINTAIN ACCESS TO EXISTING MECHANICAL INSTALLATIONS THAT REMAIN ACTIVE.
9. OBTAIN PERMISSION FROM OWNER BEFORE SHUTTING DOWN ANY SYSTEM FOR ANY REASON. MAINTAIN SERVICE TO ALL COMPONENTS THAT ARE TO REMAIN UNTIL NEW SYSTEMS ARE INSTALLED.
10. MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR TIE IN AND SWITCHOVER. DRAIN SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY DRAINING SYSTEM. MAKE CHANGEOVER TO NEW SYSTEMS WITH MINIMUM OUTAGE.
11. DISCONNECT AND REMOVE MECHANICAL DEVICES AND EQUIPMENT SERVING EQUIPMENT THAT HAS BEEN REMOVED.

MECHANICAL GENERAL NOTES:

THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, FIRE PROTECTION, DUCTWORK AND PLUMBING.

1. DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
2. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
3. COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
4. REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
5. 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.
6. EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
7. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
8. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
9. IN AREAS WITH DRYWALL CEILINGS, EACH CONTRACTOR SHALL PROVIDE ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. THAT ARE PART OF THEIR WORK. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT.
10. CAULK ALL PIPE AND DUCT PENETRATIONS 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.
11. EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
12. DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
13. MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
14. MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC.
15. DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

MECHANICAL SHEET INDEX

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NEUMANN MONSON ARCHITECTS

PROJECT NAME

DAS - SHB - ARCHIVES STORAGE RENOVATION DAS # 9485.00

OWNER

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

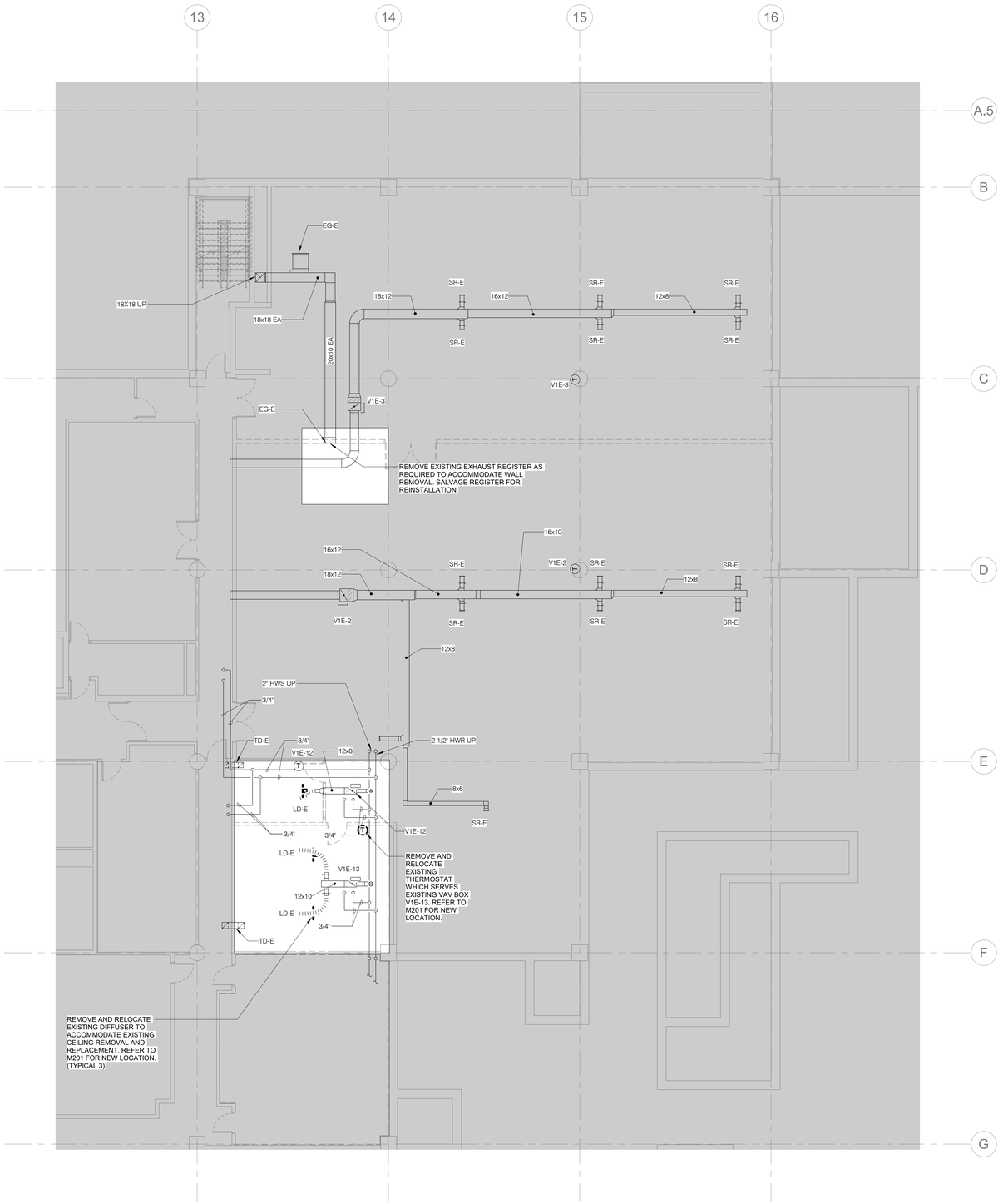
SHEET NAME

MECHANICAL COVERSHEET

SHEET NUMBER

M-000

TB Version 16.3



NORTH 1 **FIRST FLOOR DEMOLITION PLAN - MECHANICAL**

1/8" = 1'-0"

ARCHITECT OF RECORD

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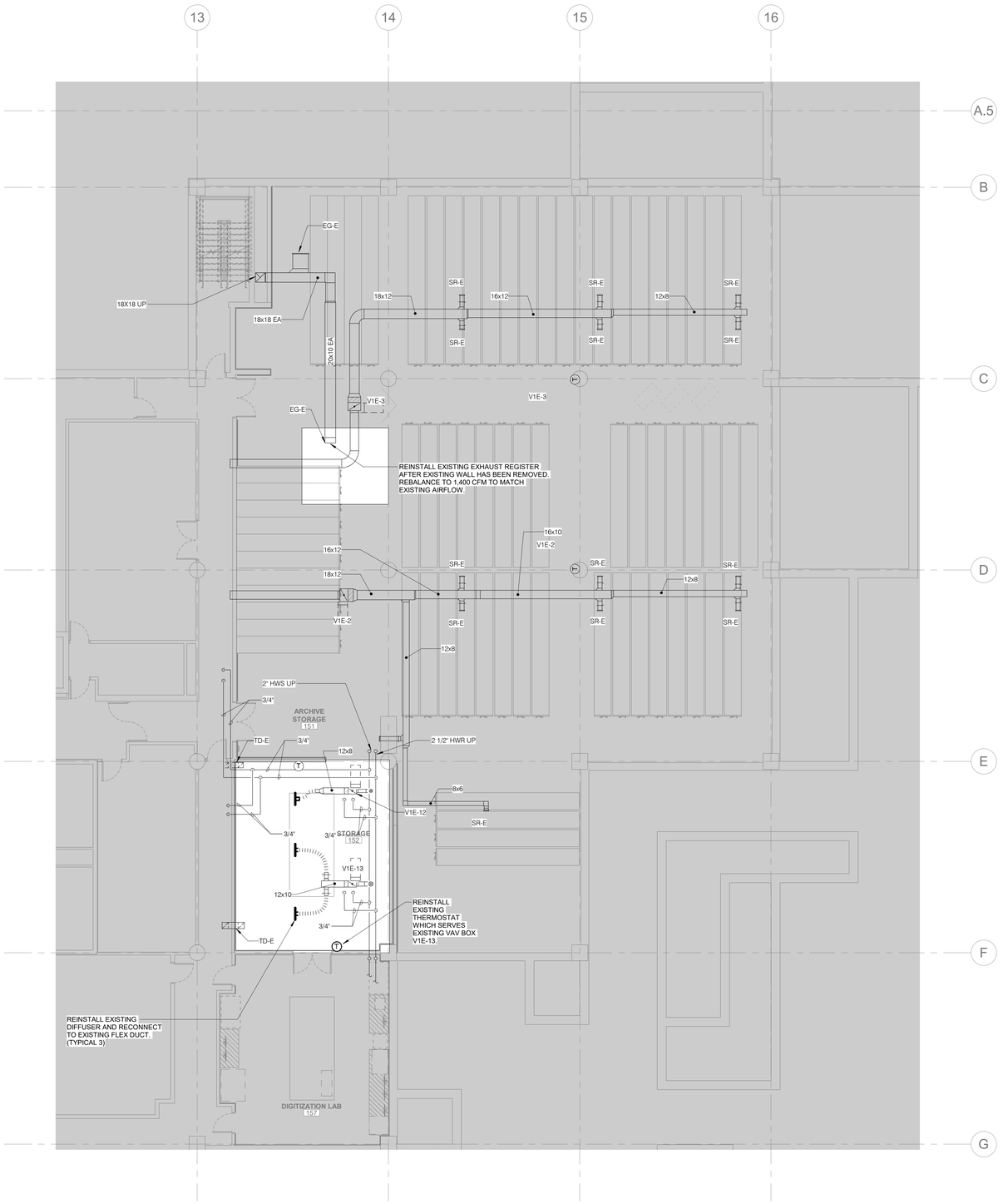
SHEET NAME

FIRST FLOOR DEMOLITION PLAN - MECHANICAL

SHEET NUMBER

MD101

TB Version 16.3



NORTH

1 FIRST FLOOR PLAN - MECHANICAL

1/8" = 1'-0"

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PROJECT #22010338.00

SHEET NAME

FIRST FLOOR PLAN - MECHANICAL

SHEET NUMBER

M-201

TB Version 16.3

ELECTRICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, AND SYSTEMS.

1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING.
2. NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS WITH NEW WORK BEFORE STARTING WORK.
3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR CONDUITS BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.
4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF THEIR WORK AND SHALL NOTIFY THE GENERAL CONTRACTOR PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO THEIR AREA OF WORK.
5. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH THEIR WORK BEYOND WHAT IS SHOWN ON THE ARCHITECTURAL PLANS.
6. EACH CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH THEIR AREAS OF WORK BEYOND WHAT IS SHOWN ON THE ARCHITECTURAL PLANS.
7. WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.

ELECTRICAL PHASING NOTES:

THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, AND SYSTEMS.

1. REFER TO ARCHITECTURAL DRAWINGS FOR GENERAL DESCRIPTION OF PHASES. REFER TO CONSTRUCTION MANAGER'S INSTRUCTIONS FOR MORE DETAILS AND PHASING SCHEDULES AND FOR CONCURRENT WORK. MECHANICAL, ELECTRICAL AND TECHNOLOGY DRAWINGS DEPICT THE INTENT OF THE FINAL DESIGN. THE MECHANICAL, ELECTRICAL, AND TECHNOLOGY DRAWINGS DO NOT DEPICT THE MEANS AND METHODS TO MEET THE REQUIREMENTS OF THE PHASING CRITERIA.
2. REVIEW PROJECT PHASING PLANS TO COORDINATE DEMOLITION WORK, OUTAGES, ETC. WITH AFFECTED ADJACENT AREAS.
3. PROVIDE TEMPORARY LIGHTING, POWER, SYSTEMS, ETC. AS NEEDED TO MAINTAIN SERVICE TO ALL AREAS DURING ALL PHASES OF PROJECT.
4. INSTALL TEMPORARY LIGHTING, CIRCUITS, ETC. AS NECESSARY TO KEEP ALL OCCUPIED SPACES OPERATIONAL THROUGHOUT ALL PHASES OF THE PROJECT
5. PHASE DEMOLITION WORK TO MINIMIZE DOWNTIME.

ELECTRICAL INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. EMERGENCY BRANCH WIRING FOR FEEDERS AND BRANCH CIRCUITS SHALL BE ROUTED IN SEPARATE RACEWAY, JUNCTION BOXES, PULL BOXES, AND CABINETS. WIRING FOR EACH BRANCH SHALL BE INDEPENDENT FROM OTHER BRANCHES, INCLUDING THE NORMAL BRANCH
3. FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT +42" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. DEVICES MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
4. FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TECHNOLOGY OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. RECEPTACLES AND OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED. MOUNT EXTERIOR LOCATED RECEPTACLES WITH WHILE-IN-USE COVERS AT +20" FROM FINISHED GRADE (CENTER DIMENSIONS) TO MAINTAIN INSTALLATION ADA COMPLIANCE.
5. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.
6. CONNECTION FOR ELECTRIC WATER COOLERS (EWC) SHALL BE A JUNCTION BOX CONCEALED BEHIND WATER COOLER ACCESS PLATE OR BE A GFI RECEPTACLE LOCATED DIRECTLY BELOW AND CENTERED ON EWC. CONTRACTOR SHALL VERIFY TYPE OF EWC TO BE INSTALLED.
7. MOUNT ALL FIRE ALARM PULL STATIONS AT +42" FROM FLOOR (CENTERLINE DIMENSION) EXCEPT WHERE OTHERWISE NOTED.
8. INSTALL ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING, WHICHEVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED. HEIGHT SHALL BE MEASURED TO THE TOP OF THE DEVICE.
9. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN GRILLE.
10. CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
11. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
13. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
14. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
15. ELECTRICAL IDENTIFICATION. REFER TO SPECIFICATION SECTION 26 05 53 FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLE/WIRE, AND EQUIPMENT.

ELECTRICAL GENERAL NOTES:

1. (L###) INDICATES THE LIGHTING SEQUENCE OF OPERATION FOR THE SPACE. .
2. "NL" INDICATES LUMINAIRE IS UNSWITCHED FOR NIGHT LIGHT.
3. "SE" INDICATES LUMINAIRE IS SWITCHED/CONTROLLED DURING NORMAL OPERATION AND OPERATES FROM EMERGENCY BATTERY (EXTEND UNSWITCHED CIRCUIT LEG TO BATTERY) UPON LOSS OF POWER.
4. SHADED LUMINAIRE OR DEVICE INDICATES LUMINAIRE OR DEVICE IS CONNECTED TO AN EMERGENCY CIRCUIT.
5. REFER TO SHEET E600 FOR LUMINAIRE SCHEDULE.
6. VACANCY/OCCUPANCY SENSOR LAYOUT. SENSORS ARE SHOWN ON THE PLANS FOR DESIGN INTENT AND MAY NOT REPRESENT EVERY DEVICE. PROVIDE MANUFACTURER SPECIFIC FLOOR PLAN LAYOUTS SHOWING LOCATION, ORIENTATION, AND COVERAGE AREA OF EACH CONTROL DEVICE, SENSOR, AND CONTROLLER/INTERFACE. AREAS REQUIRING MULTIPLE SENSOR DEVICES FOR APPROPRIATE COVERAGE, SUBMIT SPECIFIC MANUFACTURER-APPROVED SENSOR LAYOUT AS AN OVERLAY DIRECTLY ON THE PROJECT DRAWINGS, EITHER IN PRINT OR APPROVED ELECTRONIC FORM.

LUMINAIRE KEY:

LUMINAIRE

F1 = FIXTURE TAG
1 = CIRCUIT NUMBER
a = SWITCH DESIGNATION
NL = SUBSCRIPT (IF APPLICABLE)
Z = ZONE DESIGNATION

*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: F1 / 1 / a / NL

DEVICE KEY:

DEVICE

A = MOUNTING (IF APPLICABLE)
1 = CIRCUIT NUMBER

*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1

ELECTRICAL MOUNTING SUBSCRIPT KEY:

A	MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
C	MOUNT AT CEILING
H	MOUNT ORIENTED HORIZONTALLY
L	MOUNT IN CASEWORK
M	MOUNT IN MODULAR FURNITURE
R	MOUNT IN SURFACE RACEWAY
EWC	ELECTRIC WATER COOLER

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
E / E	ECONN	26 05 33	ELECTRICAL CONNECTION
J / J	JB	26 05 33	JUNCTION BOX
F	FA-130	28 31 00	FIRE ALARM MANUAL PULL STATION
S#	N/A	N/A	FIRE ALARM SMOKE DETECTOR, CEILING MOUNT # = BLANK - PHOTOELECTRIC
H#	FA-140	28 31 00	FIRE ALARM HEAT DETECTOR, CEILING MOUNT BLANK = COMBINATION RATE OF RISE / FIXED TEMP F = FIXED TEMP RC = RATE COMPENSATED
S # S #	FA-220	28 31 00	AUDIO (SPEAKER) ALARM DEVICE, CEILING MOUNTED
	FA-221	28 31 00	COMBINATION AUDIO (VOICE) AND VISUAL ALARM DEVICE, CEILING MOUNTED # = CANDELA RATING CD = CANDELA RATING SELECTED BY NICET DESIGNER
MM	FA-160	28 31 00	FIRE ALARM ADDRESSABLE MONITOR MODULE BLANK = REFER TO PLANS KB = KNOX BOX MONITOR
CM	FA-161	28 31 00	FIRE ALARM ADDRESSABLE CONTROL MODULE BLANK = REFER TO PLANS LC = LIGHTING CONTROL OVERRIDE DH = DOOR HOLD OPEN PD = HOLD OPEN OVERRIDE
PP	N/A	ARCH	PUSH PAD
$	SW-1P	26 09 33	SWITCH - SINGLE POLE
$3	SW-3W	26 09 33	SWITCH - THREE WAY
$D	SW-D	26 09 33	SWITCH - DIMMER
$D3	SW-D3	26 09 33	SWITCH - THREE WAY DIMMER
	REC-DUP	26 27 26	DUPLEX RECEPTACLE, 125V
P	REC-DUP-P	26 27 26	POP-UP DUPLEX RECEPTACLE, 125V
GFI	REC-DUP-GFI	26 27 26	DUPLEX GFI RECEPTACLE, 125V
	REC-QUAD	26 27 26	QUAD RECEPTACLE, 125V
	WW-1	26 05 35	ELECTRICAL WIREWAY w/ DEVICES SHOWN

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
	REFER TO LUMINAIRE SCHEDULE		LINEAR LUMINAIRES
			TROFFER
			DOWNLIGHT LUMINAIRE
			AIMABLE OR WALL WASH LUMINAIRE
			INDUSTRIAL LUMINAIRE
			WALL BRACKET LUMINAIRE
			SINGLE FACE EXIT SIGN
			DOUBLE FACE EXIT SIGN
			WALL/CEILING EMERGENCY EXIT SIGN
			EMERGENCY UNIT

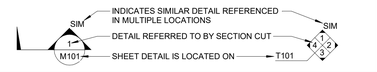
LUMINAIRE SYMBOL KEY

SYMBOL:	DESCRIPTION:
	NORMAL BRANCH LUMINAIRE
	EMERGENCY BATTERY LUMINAIRE
	EMERGENCY BATTERY LUMINAIRE UNSWITCHED FOR NIGHT LIGHT, UNLESS NOTED 'SE'

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED. SPECIFIC TO THE SHEET AND/OR DETAIL



LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
NEW
EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
EXISTING
EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

ELECTRICAL ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
C	CONDUIT
GFI	GROUND FAULT INTERRUPTER
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
SV	SOLENOID VALVE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	PETER ERNZEN
MECHANICAL	PETER ERNZEN
ELECTRICAL	SENKO DIZDAREVIC
TECHNOLOGY	ALFONSO ARAULLO

ELECTRICAL SHEET INDEX

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NEUMANN MONSON ARCHITECTS

PROJECT NAME

DAS - SHB - ARCHIVES STORAGE RENOVATION DAS # 9485.00

OWNER

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

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REF. SCALE IN INCHES
PROJECT #22010338.00

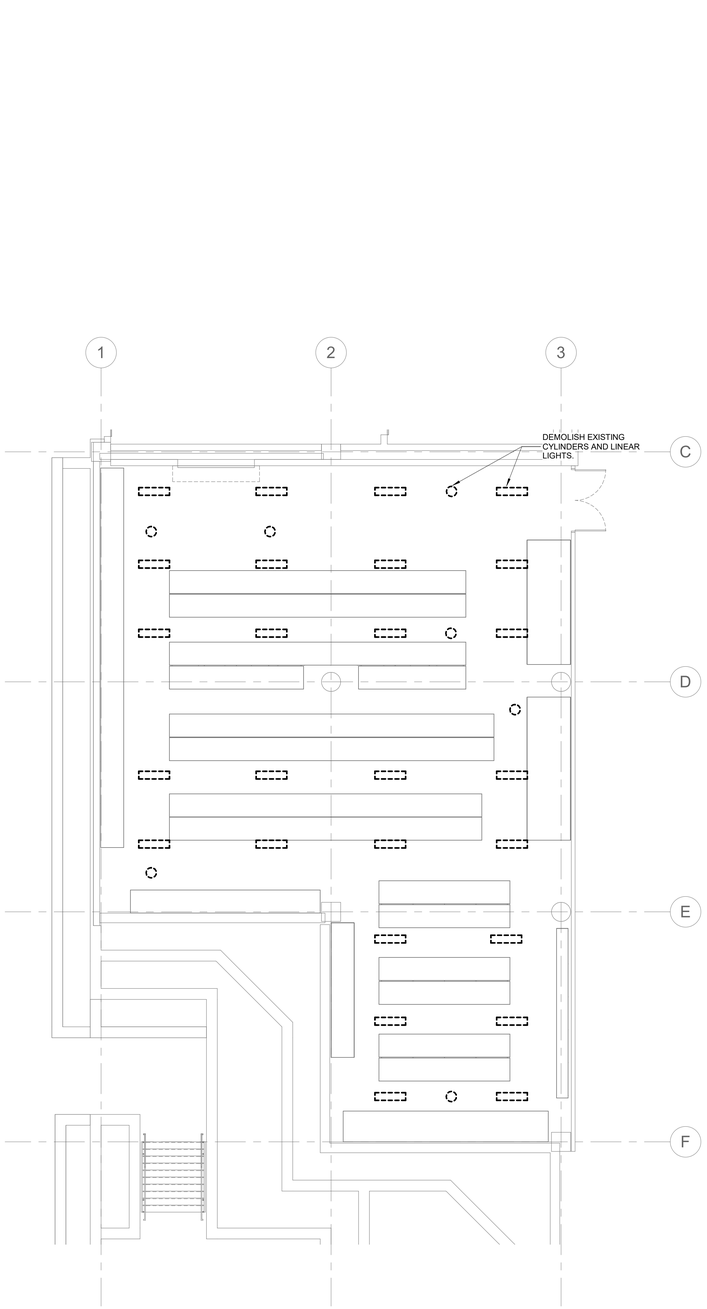
SHEET NAME

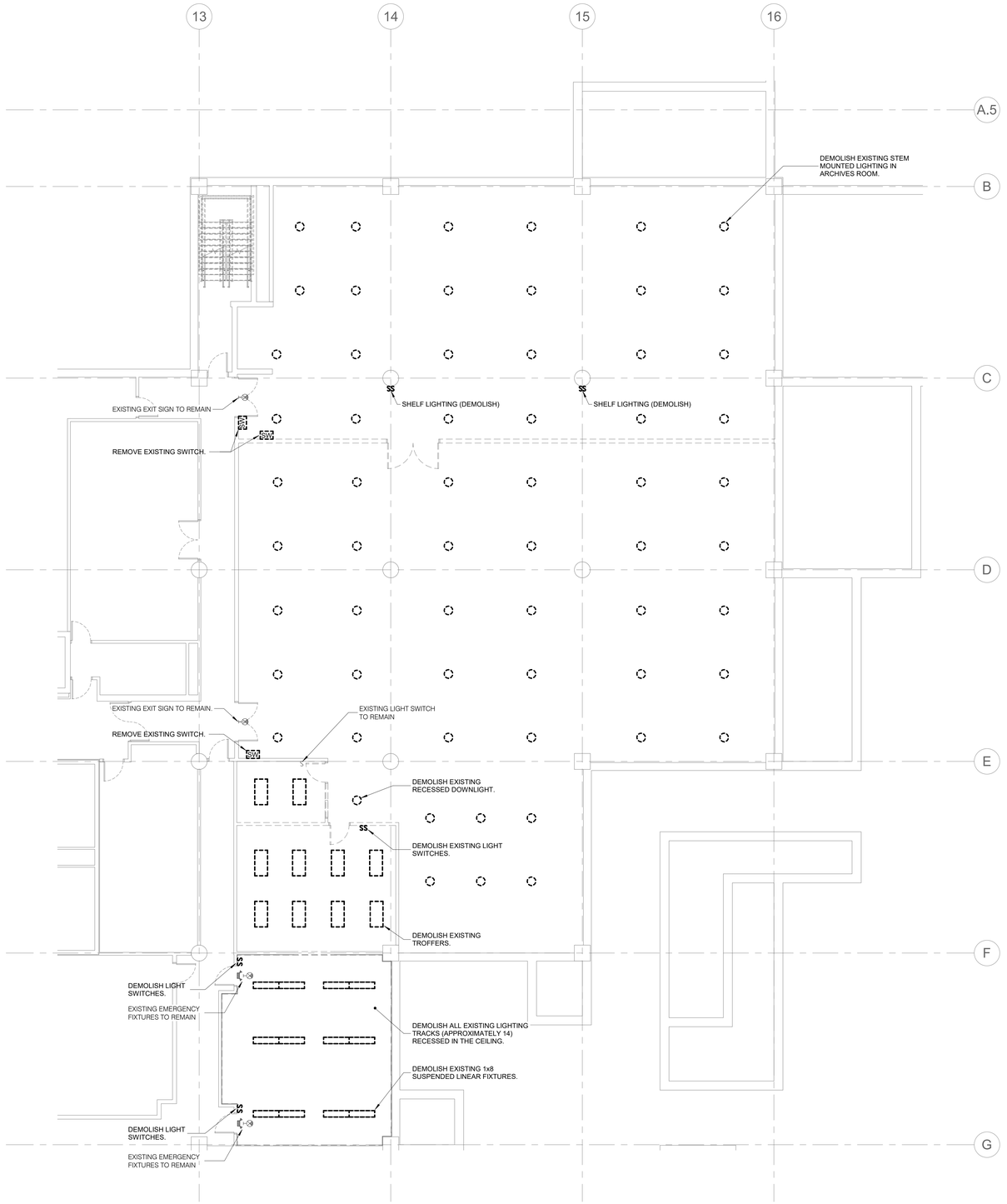
ELECTRICAL COVERSHEET

SHEET NUMBER

E-000

TB Version 16.3





2 FIRST FLOOR WEST DEMOLITION PLAN - LIGHTING

1/8" = 1'-0"

1 FIRST FLOOR DEMOLITION PLAN - LIGHTING

1/8" = 1'-0"

SHEET NOTES:

1. THE ELECTRICAL LIGHTING DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
2. ALL LUMINAIRES SHOWN TO BE DEMOLISHED SHALL BE DISPOSED OF IF NOT REQUIRED BY OWNER FOR ATTIC STOCK. CONFIRM WITH OWNER PRIOR TO DISPOSAL IF THE LAMPS, LENS OR SUBSET OF LUMINAIRES SHOULD BE TURNED OVER FOR ATTIC STOCK.
3. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
4. MATCH EXISTING PAINTED SURFACES. WHERE REPLACED LUMINAIRE DOES NOT FULLY COVER EXISTING JUNCTION BOX OR PAINTED SURFACE. PROVIDE CUSTOM BACK PLATE WHERE NECESSARY TO COVER ANY FIELD CONDITIONS THAT WOULD ALLOW INTRUSION OF WATER AND CAULK WHERE NECESSARY.
5. REUSE EXISTING CONDUIT, CIRCUITS AND LIGHTING CONTROL WHERE POSSIBLE. PROVIDE NEW CONDUIT AND WIRE WHERE SHOWN, MISSING OR REQUIRED TO INSTALL THE NEW LIGHT FIXTURES.
6. WHERE WALL SWITCH DEVICE IS REMOVED AND NOT REPLACED. PROVIDE WITH BLANK SWITCH PLATE.
7. REMOVE EXISTING LUMINAIRES AND WALL SWITCHES WHERE SHOWN. LOCATE AND IDENTIFY ELECTRICAL CIRCUIT SERVING REMOVED LUMINAIRES FOR REUSE WITH NEW DEVICES.
8. MAINTAIN CONTINUITY OF EXISTING CIRCUITS TO DOWNSTREAM LUMINAIRE.
9. EXISTING LIGHTING IS REMOTELY CONTROLLED BY BUILDING AUTOMATION. NEW LIGHTING SHALL REMAIN ON BUILDING AUTOMATION CONTROL.

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NEUMANN MONSON ARCHITECTS

PROJECT NAME

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OWNER

PROJECT NO. 22035

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SHEET NAME

FIRST FLOOR WEST DEMOLITION PLAN - LIGHTING

SHEET NUMBER

ED101

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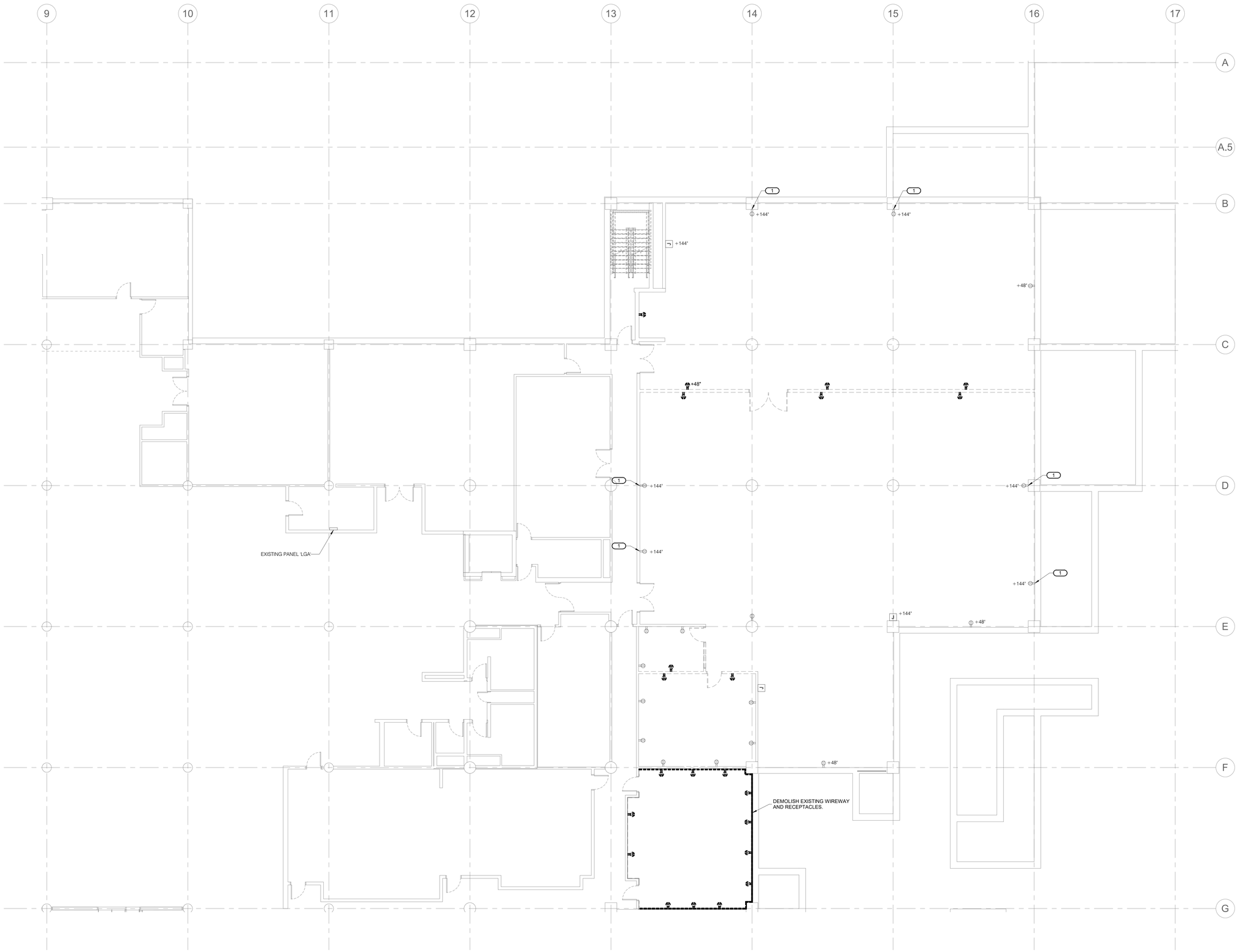
KEYNOTES: #

1. RECEPTACLE SERVES EXISTING SHELF LIGHTING, TO REMAIN.



NORTH

1 **FIRST FLOOR DEMOLITION PLAN - POWER**

1/8" = 1'-0"

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PROJECT #22010338.00

SHEET NAME

FIRST FLOOR DEMOLITION PLAN - POWER

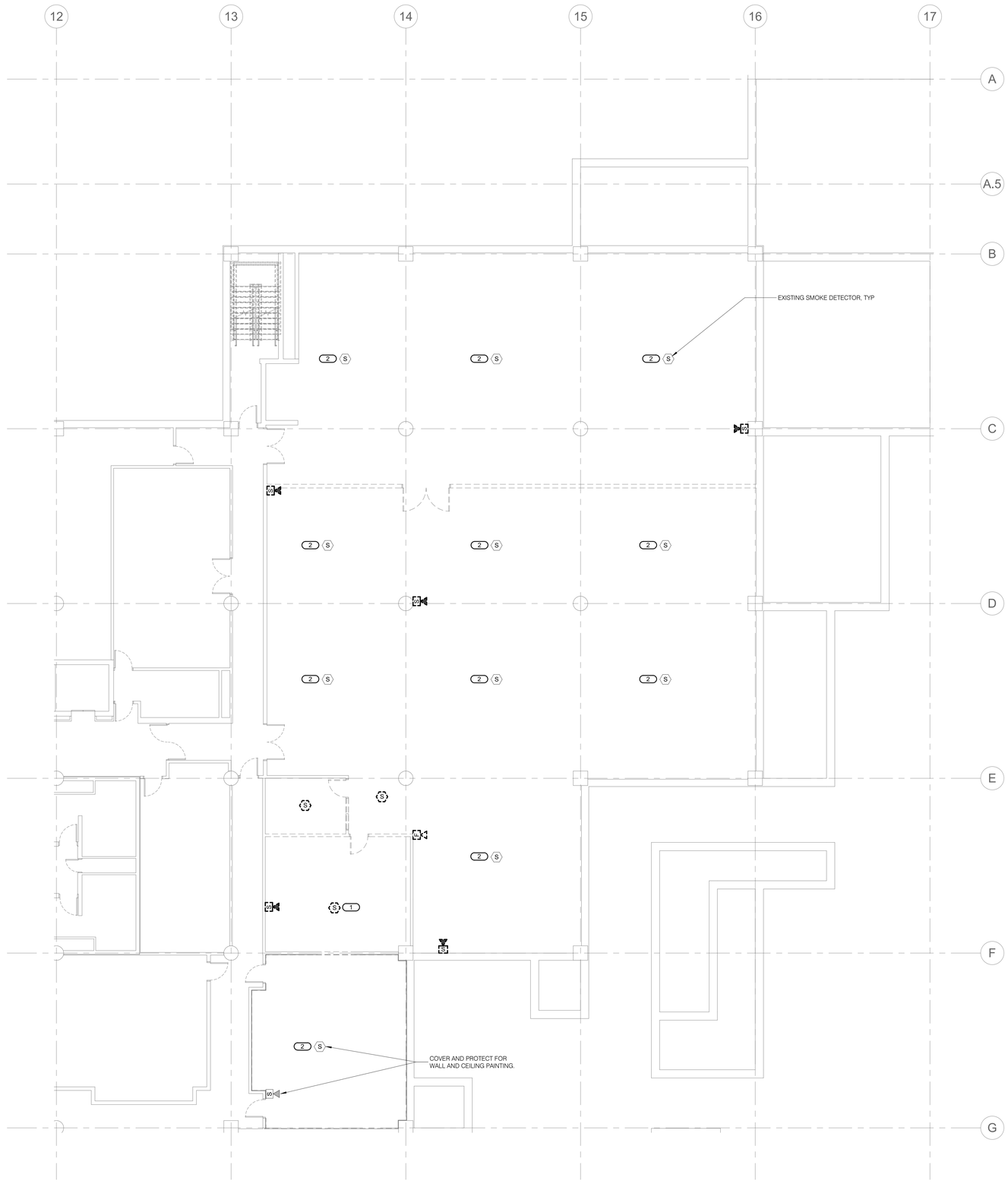
SHEET NUMBER

ED111

TB Version 16.3

KEYNOTES: (#)

1. REMOVE SMOKE DETECTOR FOR CEILING REPLACEMENT. STORE IN SAFE LOCATION FOR RE-INSTALLATION.
2. CCM SHALL DISABLE EXISTING SMOKE DETECTORS IN SPACE AND INSTALL NEW HEAT DETECTORS IN SAME LOCATION DURING CONSTRUCTION.



NORTH

1 FIRST FLOOR DEMOLITION PLAN - SYSTEMS

1/8" = 1'-0"

ARCHITECT OF RECORD

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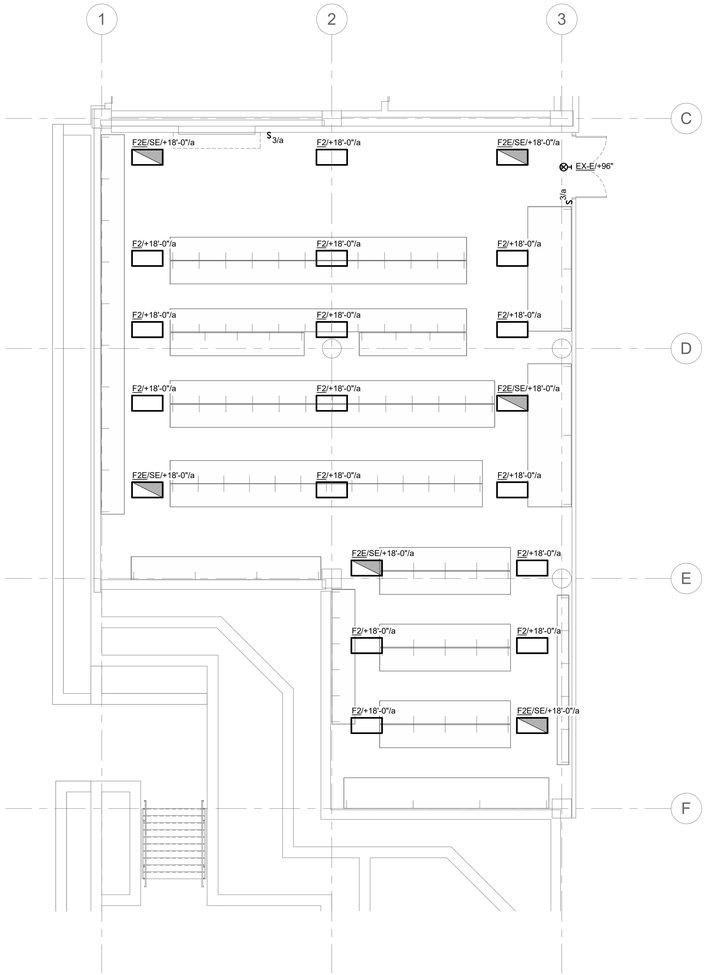
SHEET NAME

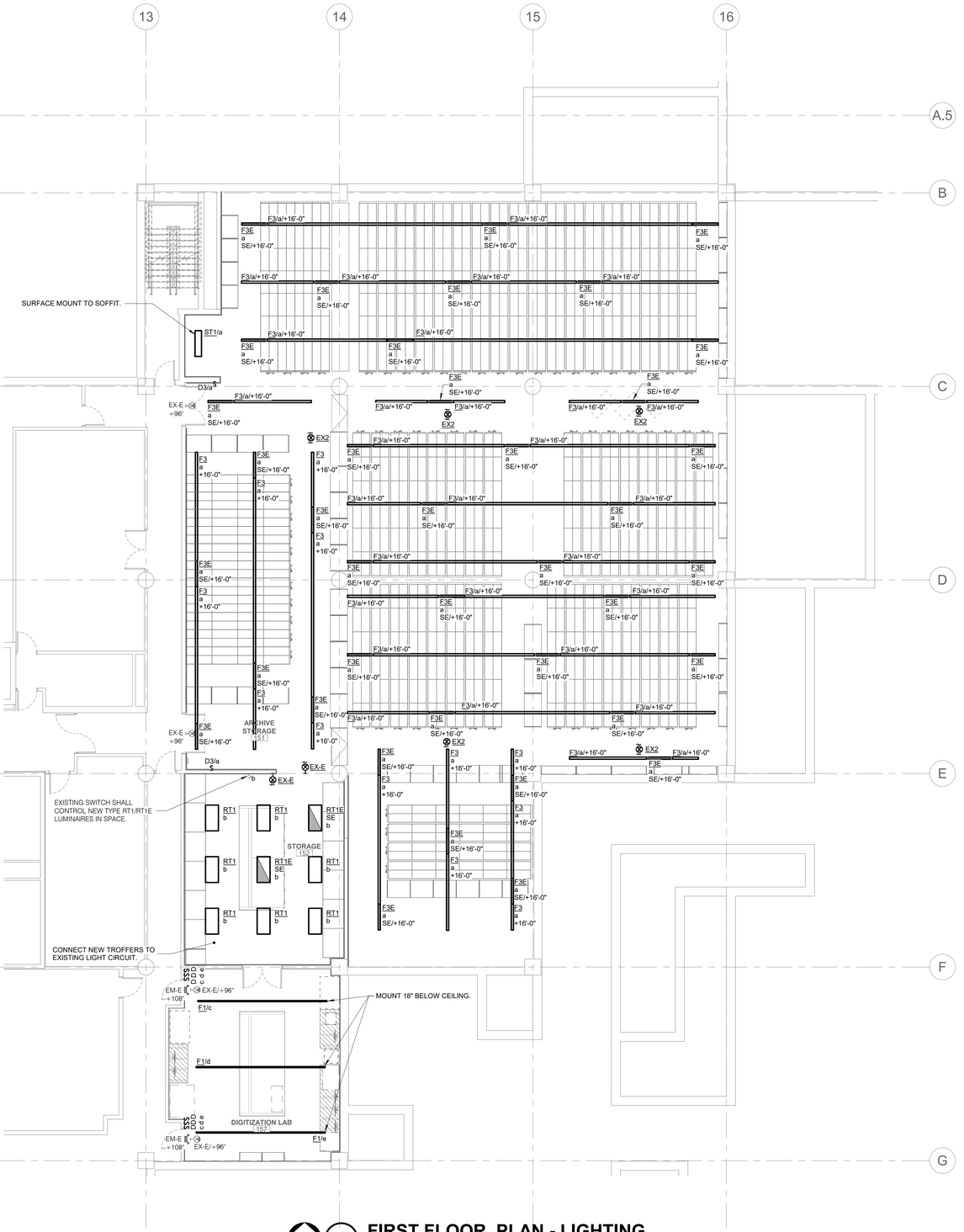
FIRST FLOOR DEMOLITION PLAN - SYSTEMS

SHEET NUMBER

ED121

TB Version 16.3





2 FIRST FLOOR PLAN - WEST - LIGHTING

1/8" = 1'-0"

1 FIRST FLOOR PLAN - LIGHTING

1/8" = 1'-0"

SHEET NOTES:

1. VERIFY MANUFACTURERS INSTALLATION GUIDELINES WITH EXISTING FIELD CONDITIONS PRIOR TO BIDDING AND ORDERING NEW LIGHT FIXTURES AND INSTALLATION MATERIAL.
2. WHERE WALL SWITCH DEVICE IS REMOVED AND NOT REPLACED. PROVIDE WITH BLANK SWITCH PLATE.
3. EXPOSED 3/4" CONDUIT TO NEW OR EXISTING FIXTURES OR DEVICES IS ACCEPTABLE AS LONG AS IT IS INSTALLED IN A NEAT AND ORDERLY METHOD AND MEETS ADOPTED CODES.
4. REUSE EXISTING CONDUIT, WIRE, CONTROL AND JUNCTION BOXES WHERE POSSIBLE. PROVIDE NEW IF REQUIRED TO INSTALL THE NEW LUMINAIRE.
5. COORDINATE LOCATIONS OF NEW LUMINAIRES WITH EXISTING DUCT, PIPING, STRUCTURAL AND CEILING MOUNTED DEVICES.
6. CONNECT NEW LUMINAIRES TO CIRCUIT THAT SERVED PREVIOUSLY REMOVED LUMINAIRE USING 2#12 &1#12 GND IN 3/4" C. EXTEND CONDUIT AND CONDUCTORS AS REQUIRED TO MAKE CONNECTION. CONDUIT IN GOOD CONDITION SHALL BE REUSED IN PLACE.
7. MAXIMUM OF 1900VA PER 120V, 20A LIGHTING CIRCUIT.
8. MAXIMUM OF 4400VA PER 277V, 20A LIGHTING CIRCUIT.
9. EMERGENCY AND EXIT SIGNS LIGHTING SHALL BE CONNECTED TO UNSWITCHED LEG OF AREA LIGHTING CIRCUIT.
10. EMERGENCY LIGHTING SHALL OVERRIDE ALL CONTROLS AND TURN ON TO FULL CAPABLE BRIGHTNESS IN NORMAL POWER OUTAGE.
11. EXISTING LIGHTING IS REMOTELY CONTROLLED BY EXISTING LIGHTING PANEL. NEW LIGHTING SHALL REMAIN ON BUILDING AUTOMATION CONTROL.

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NEUMANN MONSON ARCHITECTS

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OWNER

PROJECT NO. 22035

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PROJECT #220103338.00

SHEET NAME

FIRST FLOOR PLAN - LIGHTING

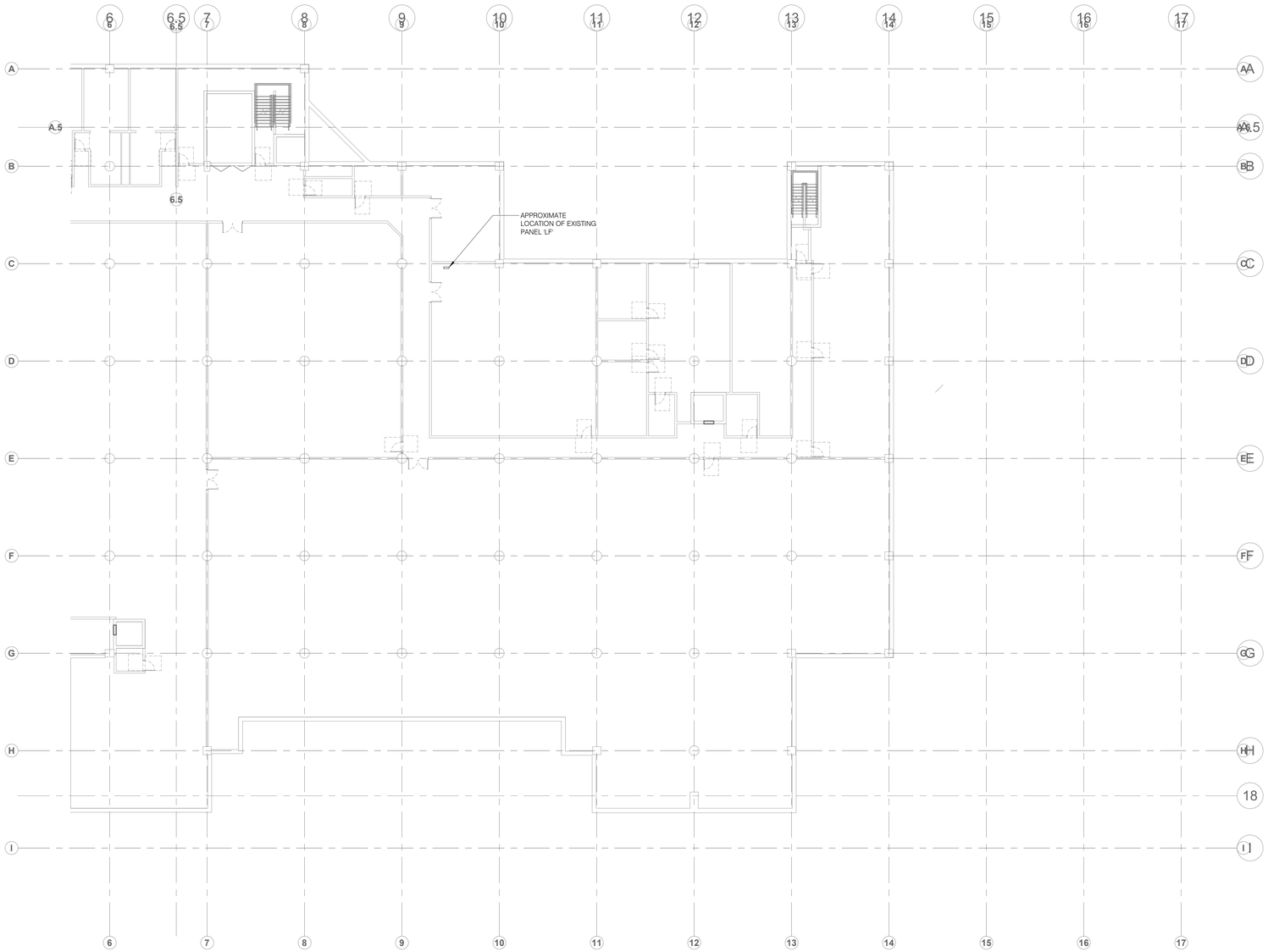
SHEET NUMBER

E-201

TB Version 16.3

SHEET NOTES:

1. SHEET IS FOR EQUIPMENT LOCATION.



NORTH 1 **LOWER LEVEL FLOOR PLAN - POWER**
1/16" = 1'-0"

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SHEET NAME

LOWER LEVEL FLOOR PLAN - POWER

SHEET NUMBER

E-210

TB Version 16.3

KEYNOTES: #

1. PROVIDE 2#12 & 1#12 GND IN 3/4" C. FROM A NEW 20A/1P CIRCUIT BREAKER IN EXISTING PANEL 'LF'. NEW CIRCUIT BREAKER CHARACTERISTICS SHALL MATCH EXISTING.
2. PROVIDE JUNCTION BOX AND CONDUIT FOR ADA BUTTON. COORDINATE EXACT BUTTON LOCATION WITH ARCHITECTURAL DRAWINGS. NUMBER OF OPERATING LEAFS TO BE CONFIRMED.

1 **FIRST FLOOR PLAN - POWER**
1/8" = 1'-0"

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NEUMANN MONSON ARCHITECTS

PROJECT NAME

DAS - SHB - ARCHIVES STORAGE RENOVATION DAS # 9485.00

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REF. SCALE IN INCHES

PROJECT #22010338.00

SHEET NAME

FIRST FLOOR PLAN - POWER

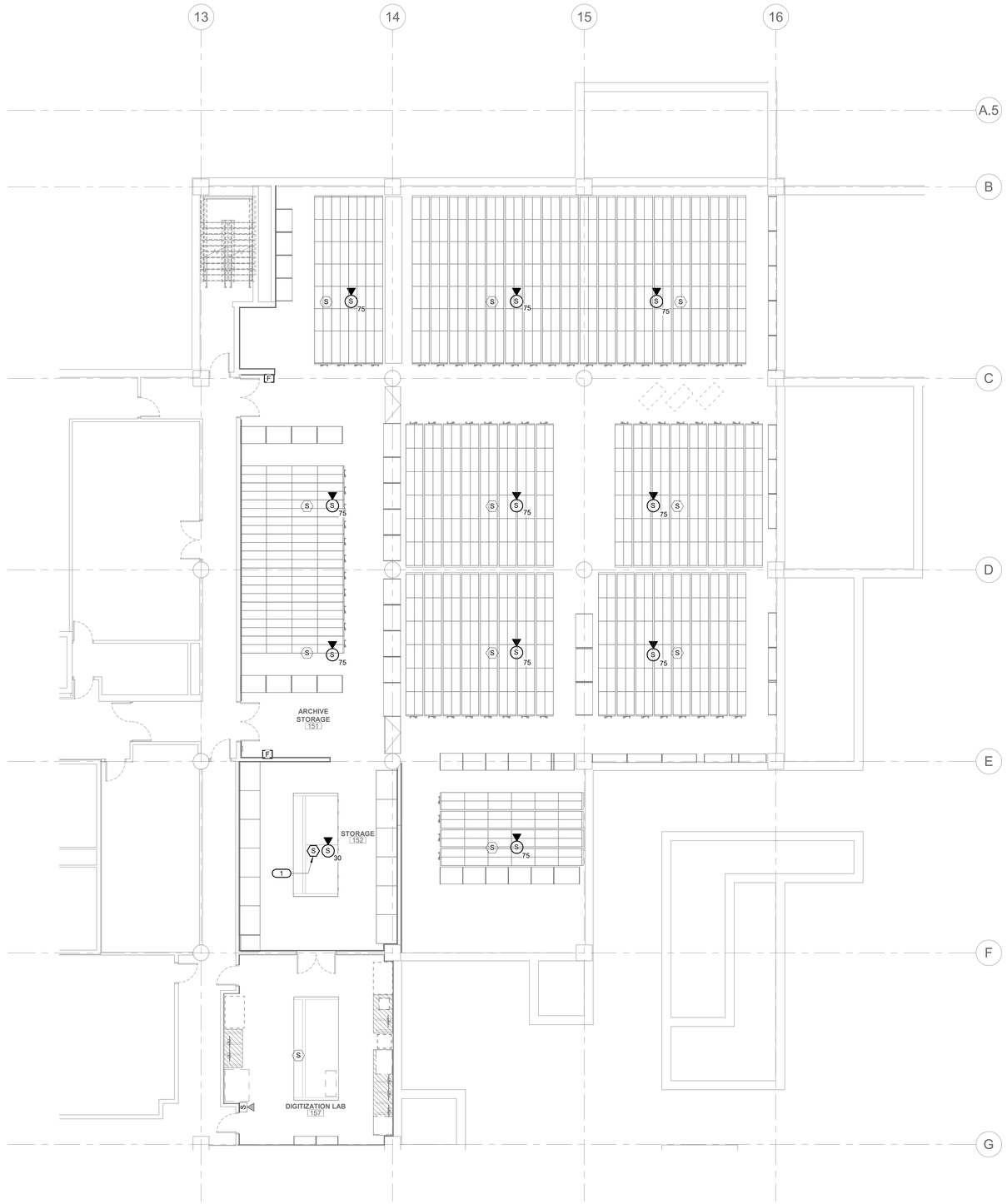
SHEET NUMBER

E-211

TB Version 16.3

KEYNOTES: #

1. REINSTALL PREVIOUSLY REMOVED SMOKE DETECTOR.



NORTH 1 **FIRST FLOOR PLAN - SYSTEMS**
1/8" = 1'-0"

ARCHITECT OF RECORD

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OWNER

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

SHEET NAME

FIRST FLOOR PLAN - SYSTEMS

SHEET NUMBER

E-221

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0 1 2 3
REF. SCALE IN INCHES

PROJECT #220103338.00

TB Version 16.3

CONDUIT INSTALLATION SCHEDULE

THE FOLLOWING SCHEDULE SHALL BE ADHERED TO UNLESS THEY CONSTITUTE A VIOLATION OF APPLICABLE CODES OR ARE NOTED OTHERWISE ON THE DRAWINGS. THE INSTALLATION OF RMC CONDUIT WILL BE PERMITTED IN PLACE OF ALL CONDUIT SPECIFIED IN THIS SCHEDULE. REFER TO CONDUIT AND BOXES SPECIFICATION 26 05 33 FOR ADDITIONAL INFORMATION.

INSTALLATION TYPE	EMT
FEEDERS: SWITCHBOARDS, DISTRIBUTION PANELS, PANELBOARDS, MOTOR CONTROL CENTERS, ETC.	X
BRANCH CIRCUITS: LIGHTING, RECEPTACLES, CONTROLS, ETC.	X
MECHANICAL EQUIPMENT FEEDERS: PUMPS, CHILLERS, AIR HANDLING UNITS, ETC.	X
FLOOR MOUNTED EQUIPMENT FEEDERS: PUMPS, ETC. (INCLUDE NO MORE THAN 6 FEET OF LFMC TO PUMP)	X
CONTROLS (LIGHTING, POWER, BUILDING AUTOMATION, ETC.)	X
FINISHED SPACES / CONCEALED	X
INTERIOR LOCATIONS: CONCEALED	X
INTERIOR LOCATIONS: EXPOSED	X
INTERIOR LOCATIONS: EXISTING WALLS AND EXPOSED INSTALLATION (FINISHED SPACES)	X

LED LUMINAIRE SCHEDULE

(DESC) DOOR:	**DISTRIBUTION:**	**BEAMWIDTH:**	**(L/L) LENS/LOUVER:**
FA - FLAT ALUMINUM	II - ANSI/IES TYPE 2 DISTRIBUTION	NSP - VERY NARROW SPOT	K19 - KSH19 0.156" ACRYLIC
FS - FLAT STEEL	III - ANSI/IES TYPE 3 DISTRIBUTION	SP - SPOT	A - 0.125" ACRYLIC	M – MATTE DIFFUSE CLEAR
RA - REGRESSED ALUMINUM	IV - ANSI/IES TYPE 4 DISTRIBUTION	MD - MEDIUM	B - BAFFLE/LOUVER	N - NONE
RS - REGRESSED STEEL	V - ANSI/IES TYPE 5 DISTRIBUTION	WD - WIDE	C - CLEAR ALZAK	P - POLYCARBONATE
FINISH:		VWD - VERY WIDE	F - FROSTED ACRYLIC	R - HIGH IMPACT DR ACRYLIC
PAF - PAINT AFTER FABRICATION		WW - WALL WASH	G - TEMPERED GLASS	SS – SEMI-SPECULAR CLEAR
CFSA - COLOR-FINISH SELECTION BY ARCHITECT			K - KSH12 0.125" ACRYLIC	O - OTHER (SEE DESCRIPTION)

(MTG) MOUNTING:	RE - RECESSED		**(WATT) PER: FIX - FIXTURE, FT - FOOT, LAMP**
CL - CEILING SURFACE	SP - SUSPENDED		**(TYPE) LED**	RGB - COLOR CHANGING LED
CV - COVE	SU - SURFACE		LED - LIGHT EMITTING DIODE	RGBW - COLOR CHANGING + WHITE
FR - FLANGED RECESSED	UC - UNDER CABINET		TLED - TUBULAR LED LAMP	RGBA - COLOR CHANGING + AMBER
P - PERIMETER	WL - WALL		OLED - ORGANIC LED	RLED - RETROFIT LED
PL - POLE	O - OTHER (SEE DESCRIPTION)		DLED - DYNAMIC TUNABLE LED	WLED - WARM DIM LED
			O - OTHER	

(TYPE) DRIVER:			
0-10V - 0-10V DIMMING	EB - ELECTRONIC	HL - HIGH/LOW (100%/50%) STEP DIM	MV - MULTI-VOLTAGE ELECTRONIC
DALI - DIGITAL ADDRESSABLE	ELV - ELECTRONIC LOW VOLTAGE	LINE - LINE VOLTAGE DIMMING	REM - REMOTE
DMX - DIGITAL MULTIPLEX	EM - EMERGENCY BATTERY	ML - MULTI-LEVEL SWITCHING	O - OTHER (SEE DESCRIPTION)

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN.

VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.
CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.
UNLESS INDICATED ON LIGHTING PLANS OR BELOW, REFER TO ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS, SECTIONS AND DETAILS FOR ALL SUSPENDED AND WALL MOUNTED LUMINAIRE MOUNTING HEIGHTS.

REFER TO SPECIFICATION SECTIONS LED LIGHTING 26 51 19 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
INTERIOR CORRELATED COLOR TEMPERATURE 4000/4100K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.

ITEM	DESCRIPTION	L/L	MTG	DIMENSIONS L	W	H	DIA	WATT MAX ANSI	PER	LED TYPE	QTY	DELIVERED LUMENS (MIN)	DRIVER VOLTS	TYPE	APPROVED MANUFACTURER / SERIES
EX1	SINGLE-FACE EXIT SIGN, WHITE THERMOPLASTIC BODY. RED LETTERS. EMERGENCY NI-CAD BATTERY INSIDE OF SIGN UNIVERSAL ARROWS/MOUNTING. SELF TEST & DIAGNOSTICS OF BATTERY AND LAMPS. VERIFY RECESSED END, BACK OR CEILING MOUNTING AND ARROWS WITH PLANS.	N/A	WL	12"	1 1/2"	10"	N/A	3	FIX	LED	1	N/A	MV	EM	ACUITY LITHONIA LQM-S-R-MVOLT-EL-N-SD-M6 SIGNIFY CHLORIDE CLX CURRENT HLI DUAL-LITE EVE PRE-APPROVED EQUAL
EX2	DOUBLE-FACE EXIT SIGN, WHITE THERMOPLASTIC BODY. RED LETTERS. EMERGENCY NI-CAD BATTERY INSIDE OF SIGN UNIVERSAL ARROWS/MOUNTING. SELF TEST & DIAGNOSTICS OF BATTERY AND LAMPS. VERIFY RECESSED END, BACK OR CEILING MOUNTING AND ARROWS WITH PLANS.	N/A	WL	12"	1 1/2"	10"	N/A	3	FIX	LED	1	N/A	MV	EM	ACUITY LITHONIA LQM-S-R-MVOLT-EL-N-SD-M6 SIGNIFY CHLORIDE CLX CURRENT HLI DUAL-LITE EVE PRE-APPROVED EQUAL
F1	INDIRECT/DIRECT CONTINUOUS LINEAR PENDENT. EXTRUDED ALUMINUM HOUSING, SMOOTH TRIM. AIR CRAFT CABLE MOUNTING. 1 CIRCUIT. REFER TO DRAWINGS FOR TOTAL REQUIRED LENGTH. MOUNTED AT +11'-0".	O	SP	XX	2	4 1/4	N/A	8	FT	LED	1	1032	MV	0-10V	ACUITY PEERLESS PRIM PRM2ID-LP-20FT-MSL4-90CRI-40K-I600LMF-500LMF-SMMWIN TG-MIN1-ZT-MVOLT-SCT-48A-C210-SCEP. AXIS BEAM 4 TB4DILED OR PRE-APPROVED EQUAL
F2	LED HIGH BAY, ALUMINUM HOUSING, GLARE CONTROL ACRYLIC LENS, WHITE FINISH, OPERATING TEMPERATURE BETWEEN -40 DEGREES CELSIUS AND 55 DEGREES CELSIUS. MINIMUM DISTANCE OF 18" BETWEEN LUMINAIRE AND CEILING REQUIRED. MOUNTED AT +18'-0".	A	SP	48"	24"	6"	N/A	105	FIX	LED	1	15000	MV	0-10V	ACUITY LITHONIA CPHB-15000LM-SEF-GCL-MD-MVOLT-GZ10-40K-90CRI-D WH-CNP-W OR PRE-APPROVED EQUAL
F2E	SAME AS F2, BUT WITH 1734LM EMEGENCY BATTERY PACK - E10WCP	A	SP	48"	24"	6"	N/A	10	FIX	LED	1	1734	MV	0-10V EM	REFER TO TYPE F2
F3	DIRECT CONTINUOUS LINEAR PENDENT, EXTRUDED ALUMINUM HOUSING, FLUSH LENS, LAMBETIAN DISTRRIBUTION AIR CRAFT CABLE MOUNTING, CFSA, SEE DRAWINGS FOR TOTAL REQUIRED LENGTH.	O	SP	XX"	2 1/2"	3 1/2"	N/A	10	FT	LED	1	1,000	MV	0-10V 1%	AXIS BEAM 2 TB2DLED LUMENWERX VIA2PD ALW SUPERPLANE 2.5 SP2.5S FOCAL POINT SEEM FSM2LS*
F3E	SAME AS F2, BUT WITH 1734LM EMEGENCY BATTERY PACK - E10WCP	O	SP	XX"	2 1/2"	3 1/2"	N/A	10	FT	LED	1	1,000	MV	0-10V 1%	REFER TO TYPE F3
RT1	LED STATIC GRID LENSED TROFFER, 22 GAUGE STEEL HOUSING WITH FLUSH STEEL DOOR IN WHITE, 0.110" THICK #12 PATTERN ACRYLIC LENS.	A	RE	48"	24"	6"	N/A	42	FIX	LED	1	4800	MV	0-10V	ACUITY LITHONIA 2GTL-4-48L-GZ10-LP840 COOPER METALUX 14GR SIGNIFY DAYBRITE T-GRID 1TG OR PRE-APPROVED EQUAL
RT1E	SAME AS RT1, BUT WITH 1400LM EMERGENCY BATTERY PACK.	A	RE	48"	24"	6"	N/A	42	FIX	LED	1	4800	MV	0-10V EM	REFER TO TYPE RT1
ST1	LED WRAPAROUND, DIE FORMED COLD-ROLLED STEEL HOUSING AND END PLATES, WHITE DIFFUSER	A	CL	48"	8 5/8"	2 5/8"	N/A	25.5	FIX	LED	1	3000	MV	0-10V	ACUITY LITHONIA SBL4-3000LM-80CRI-40K-MIN10-GZT-MVOLT OR PRE-APPROVED EQUAL

SEQUENCE OF OPERATION / SYSTEM INPUTS		PANEL/ANNUNCIATOR ALARM INDICATION	PANEL/ANNUNCIATOR SUPERVISORY INDICATION	PANEL/ANNUNCIATOR TROUBLE INDICATION	AUDIBLE ALARMS SEQUENCE	VISUAL ALARMS SEQUENCE	CM SMOKE DAMPER CONTROL SEQUENCE	CM AHU & MECHANICAL FAN SHUTDOWN SEQUENCE	CM DOOR HOLDER SEQUENCE	CM POWER-OPERATED FIRE DOORS	CM STAIRWELL PRESSURIZATION SEQUENCE	CM SOUND MASKING/ PAGING SYSTEMS SHUTDOWN SEQUENCE	CM CEILING FAN SHUTDOWN SEQUENCE	CM LIGHTING CONTROL OVERRIDE SEQUENCE	CM ACCESS CONTROL OVERRIDE SEQUENCE
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL LOW BATTERY			X												
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL BATTERY OR CHARGER FAILURE				X											
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL ABNORMAL SWITCH OR CONTROL POSITION.			X												
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL GROUND FAULT, OPEN CIRCUIT, SHORT CIRCUIT				X											
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL AC POWER LOSS OR IRREGULARITY				X											
NOTIFICATION APPLIANCE CIRCUIT OR SLC LOOP GROUND FAULT, OPEN CIRCUIT, SHORT CIRCUIT				X											
INITIATING DEVICE FAILURE OR COMMUNICATION ERROR				X											
FIRE ALARM PANEL MANUAL FIRE DRILL			X		X	X								X	X
MANUAL PULL STATION	F	X			X	X	X	X	X	X		X	X	X	X
SMOKE DETECTOR	S #/_	X			X	X	X	X	X	X	X	X	X	X	X

1 FIRE ALARM OPERATION MATRIX

NO SCALE

NOTES:

1. SEQUENCE SHOWN IS FOR PRICING PURPOSES. NEW SEQUENCE SHALL MATCH EXISTING.

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0 1 2 3
REF. SCALE IN INCHES
PROJECT #22010338.00

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NEUMANN MONSON ARCHITECTS

PROJECT NAME

DAS - SHB - ARCHIVES STORAGE RENOVATION DAS # 9485.00

OWNER

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

SHEET NAME

ELECTRICAL SCHEDULES & DETAILS

SHEET NUMBER

E-600

TB Version 16.3

VIEW KEY

NAME — LEVEL NAME
10'-0" — HEIGHT ABOVE PROJECT 0'-0"

1 — INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
- NEW
- EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
- NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
- EXISTING
- EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
- EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG'-E — TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG — UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.C.	ASBESTOS ABATEMENT CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
H.C.	HEATING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
S.C.	SECURITY CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
V.C.	VENTILATION CONTRACTOR

CONTACT PERSONS:

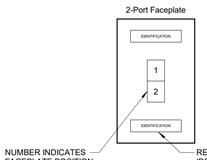
DESCRIPTION:	PERSON:
PROJECT MANAGER	PETER ERNZEN
MECHANICAL	PETER ERNZEN
ELECTRICAL	SENKO DIZDAREVIC
TECHNOLOGY	ALFONSO ARAULLO

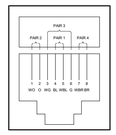
TECHNOLOGY ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFC	BELOW FINISHED CEILING
C	CONDUIT
DE	DELAYED EGRESS
DPDT	DOUBLE POLE DOUBLE THROW
FOV	FIELD OF VIEW
J-BOX	JUNCTION BOX
POE	POWER OVER ETHERNET
PTZ	PAN TILT ZOOM
SIM	SIMILAR
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
+#	MOUNTING HEIGHT ABOVE FINISHED FLOOR
TR-#	TELECOMMUNICATIONS ROOM

INFORMATION OUTLET SCHEDULE

SINGLE GANG WALLPLATES





NOTES:
1. PROVIDE REMOVABLE BLANK INSERT(S) FOR ALL UNUSED PORTS.
2. REFER TO SPECIFICATIONS SECTION 27 05 53 FOR ADDITIONAL INFORMATION ON LABELING REQUIREMENTS.

LEGEND

DATA	CAT 6 RJ-45
BLANK	BLANK FILLER MODULE

CONFIGURATION	FACEPLATE PORTS	FACEPLATE PORT IDENTIFICATION: POSITION 1 JACK TYPE	POSITION 2 JACK TYPE	POSITION 3 JACK TYPE	POSITION 4 JACK TYPE	POSITION 5 JACK TYPE	POSITION 6 JACK TYPE	NOTES
C1	2	DATA	BLANK					
C1-CAM		DATA						
C2	2	DATA	DATA					

TECHNOLOGY EQUIPMENT SCHEDULE

THE EQUIPMENT LIST ABBREVIATIONS AND THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

CATALOG NUMBERS ARE NOT TO BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.

EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	MANUFACTURER AND MODEL
AC-DC	RECESSED STEEL DOOR CONTACT WITH WIRE LEADS. 3/4" DIAMETER, SPDT AND 3/8" GAP SIZE. REFER TO SPECIFICATION SECTION 28 13 00 FOR ADDITIONAL INFORMATION. REFER TO 1/T103 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL FOR ADDITIONAL INFORMATION.	GE SECURITY 1076D OR PRE-APPROVED EQUAL
AC-EDH	ELECTRIC LOCKING HARDWARE. FURNISHED AND INSTALLED BY DOOR HARDWARE PROVIDER, CONTROLLED BY THE SECURITY SYSTEM. REFER TO ARCHITECTURAL DOOR SCHEDULE FOR ADDITIONAL INFORMATION. REFER TO 1/T103 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL FOR ADDITIONAL INFORMATION.	*
AC-R1-W	CREDENTIAL READER, PROVIDED AS INTEGRAL PART OF SECURITY MANAGEMENT SYSTEM, REFER TO ACCESS CONTROL SYSTEM DOOR SCHEDULE FOR COMPLETE INFORMATION, CARD READERS SHOWN ON PLANS TO IDENTIFY INTENDED MOUNTING LOCATION, REFER TO SPECIFICATION SECTION 28 13 00 FOR COMPLETE INFORMATION. REREFR TO 1/T103 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL FOR ADDITIONAL INFORMATION.	HID RP40 SERIES NO SUBSTITUTIONS
AC-RTE	PIR REQUEST TO EXIT MOTION DETECTOR, DOOR MONITOR WITH SOUNDER ALERT, ADJUSTABLE LATCH TIME,SELECTABLE FAIL SAFE/SECURE, ACTIVATION LED, 12 VDC OPERATION, SEQUENTIAL LOGIC INPUT, TWO FORM C CONTACTS. PROVIDE WITH TRIM PLATE (TP 160) CEILING MOUNTED OR WALL MOUNTED AT 84" AFF. REFER TO 1/T103 FOR CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL FOR ADDITIONAL INFORMATION.	BOSCH DS 160 NO SUBSTITUTION
SC-IO-C	INFORMATION OUTLET , CEILING MOUNT, 1 PORT SURFACE BOX AS INDICATED ON DRAWINGS. REFER TO INFORMATION OUTLET SCHEDULE FOR PIN CONFIGURATION.	SURFACE MOUNT BOX: HUBBELL HSB1 SERIES JACK: HUBBELL HXJ6 SERIES OR PRE-APPROVED EQUAL
SC-IO-F	INFORMATION OUTLET, 2 PORT COVERPLATE AS INDICATED ON DRAWINGS. "#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO THE INFORMATION OUTLET SCHEDULE FOR PIN CONFIGURATION. INSTALL INFORMATION OUTLET IN E.C. PROVIDED FLOOR BOX. COORDINATE ADDITIONAL MOUNTING REQUIREMENTS WITH E.C. PROVIDE (1) 1" EMT CONDUIT TO THE NEAREST ACCESSIBLE CEILING.	FACEPLATE: HUBBELL IFP12OW (2-PORT) JACK: HUBBELL HXJ6 SERIES OR PRE-APPROVED EQUAL
SC-IO-W	INFORMATION OUTLET, WALL MOUNT, 2 PORT COVERPLATE AS INDICATED ON DRAWINGS. "#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO T-200 FOR INFORMATION OUTLET SCHEDULE FOR PIN CONFIGURATION. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 1" EMT CONDUIT TO AREA SERVING TELECOM ROOM. PROVIDE REMOVABLE BLANK INSERTS FOR UNUSED PORTS (HUBBELL SFB10A OR APPROVED EQUAL).	FACEPLATE: HUBBELL IFP12OW (2-PORT) JACK: HUBBELL HXJ6 SERIES OR PRE-APPROVED EQUAL
SC-MPP-1	48 PORT PATCH PANEL, RACK MOUNT, RJ-45 TERMINATIONS, MOUNTS DIRECTLY TO EIA/TIA STANDARD 19" RELAY RACK, PORT IDENTIFICATION NUMBERS, COLOR CODING AND LABEL HOLDER KITS, U.L. LISTED. REQUIRES (2) 1.75" MOUNTING SPACES.	HUBBELL HP648 OR PRE-APPROVED EQUAL

TECHNOLOGY SYMBOL LIST

SYMBOL:	EQUIPMENT LIST ABBREV.:	DESCRIPTION:	NOTE:
CSS	N/A	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	1.
R#	AC-R#-W	SECURITY CREDENTIAL READER (WALL)	1.
DC	AC-DC	DOOR CONTACT	1.
EDH	AC-EDH	ELECTRIFIED DOOR HARDWARE	1.
RTE	AC-RTE	REQUEST TO EXIT	1.
C#	SC-IO-F	INFORMATION OUTLET IN FLOOR BOX/POKE THROUGH	4.
C#	SC-IO-W	INFORMATION OUTLET (WALL)	3.
▽	N/A	INFORMATION OUTLET (WALL) EXISTING	2.
C#	SC-IO-C	INFORMATION OUTLET (CEILING)	3.
S	N/A	FACILITY PAGING SPEAKER (CEILING) EXISTING	2.
DIAMETERø C		CONDUIT	
		CONDUIT DOWN	
		CONDUIT UP OR UP/DOWN	
		CONDUIT SLEEVE	
		CONTINUATION	

GENERAL NOTES:

1. ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
2. ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
3. ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPE KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.

TECHNOLOGY SYMBOL NOTES:

1. REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T-103 FOR ADDITIONAL INFORMATION.
2. REFER TO LINE TYPE KEY FOR NEW, EXISTING TO REMAIN, OR DEMO LINE TYPE.
3. "C#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T000 FOR ADDITIONAL INFORMATION.
4. INFORMATION OUTLET INSTALLED IN E.C. PROVIDED FLOOR BOX. "C#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE FOR ADDITIONAL INFORMATION. REFER TO THE ELECTRICAL FLOOR PLANS AND ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.

SUGGESTED MATRIX OF RESPONSIBILITY

ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
TECHNOLOGY ROUGH-IN. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3. 4.
INFORMATION OUTLET PATCH PANEL, PATCH CORDS, FACEPLATES, JACKS, AND TERMINATIONS	T-SERIES	OWNER	OWNER	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2. 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	T.C.	E.C.	1.
TELECOMMUNICATION CABLING	T-SERIES	T.C.	T.C.	
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	T.C.	E.C.	6.
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	2. 4.
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.

SUGGESTED MATRIX OF RESPONSIBILITY NOTES

1. LOCATIONS OF TELECOMMUNICATIONS ROUGH-INS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE DRAWINGS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
2. BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
3. INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
4. ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
5. UNLESS TRADE RULES DICTATE OTHERWISE.
6. FURNISHED AS PART OF THE EQUIPMENT WHEN POSSIBLE, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD.

TECHNOLOGY GENERAL NOTES:

1. ##-####-# INDICATES TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
2. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.

TECHNOLOGY MOUNTING SUBSCRIPT KEY:
- A MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
- H MOUNT ORIENTED HORIZONTALLY
- L MOUNT IN CASEWORK
- M MOUNT IN MODULAR FURNITURE
- S MOUNT IN SURFACE RACEWAY

A SLASH IS USED BETWEEN TWO SUBSCRIPTS, E.G., A/H.

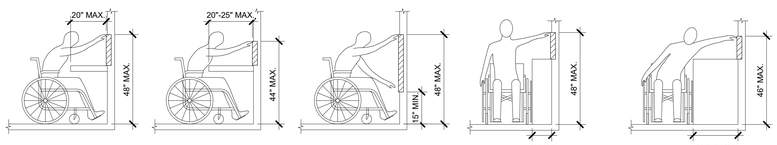
TECHNOLOGY INSTALLATION NOTES:

1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION.
2. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE.
3. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
4. VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION, ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
5. TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
7. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO 27 05 03 AND 28 05 03 DIVISION 7 26 05 03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS SPECIFIC TO FIRESTOPPING.
8. THE TECHNOLOGY CONTRACTORIS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF THE CEILINGS, CEILING TILES, AND CEILING GRID ASSOCIATED WITH THE AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING.
9. ALL LADDER RACK AND CABLE TRAY SIZES ARE AS DEFINED ON THE DRAWINGS. REFER TO SPECIFICATION SECTIONS 27 05 28 AND 27 11 00 FOR APPROVED MANUFACTURERS AND INSTALLATION REQUIREMENTS.
10. EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH. NTD: EDIT TO MATCH SCOPE.
11. FLUSH MOUNT ALL TELECOMMUNICATION OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
12. MOUNT BACKBOXES FLUSH WITH WALL. ALL BACKBOX HEIGHTS ARE TO CENTERLINE DIMENSION, UNLESS OTHERWISE NOTED.
13. PROVIDE RACEWAY AND BOXES LISTED FOR THE INSTALLED ENVIRONMENT. SEAL RACEWAY AND BOX FROM WATER AND MOISTURE AT TRANSITION BETWEEN DIFFERENT ENVIRONMENTAL CONDITIONS SUCH AS INTERIOR/EXTERIOR, TEMPERATURE CHANGES, ETC.

TECHNOLOGY DEMOLITION NOTES

1. THE DRAWINGS INDICATE EXISTING ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
2. ITEMS (i.e. SPEAKERS, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN. (i.e., FOR MAINTENANCE PURPOSES).
3. EXISTING TO REMAIN DEVICES WITHIN OR ADJACENT TO THE PATH OF CONSTRUCTION SHALL BE PROTECTED IN PLACE. DEVICES THAT MUST BE REMOVED SHALL BE TESTED PRIOR TO REMOVAL, PROTECTED FROM DAMAGE, AND RE-INSTALLED IN ITS ORIGINAL LOCATION DURING THE NEW CONSTRUCTION PHASE OF THE PROJECT.
4. OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF THE POWER TO EQUIPMENT, SYSTEMS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED IN WALL CONSTRUCTION MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION.
5. ALL CONDUIT SHALL BE REMOVED WHERE WALLS ARE BEING REMOVED. WHERE CONDUIT IS IN THE CONCRETE SLAB, CUT OFF FLUSH, PULL OUT WIRE, AND PLUG. WHERE CONDUIT IS RUN EXPOSED, ALL ASSOCIATED CLAMPS, SUPPORTS, HANGERS, ETC., SHALL ALSO BE REMOVED.
6. COORDINATE ALL WORK WITH OTHER CONTRACTORS AT THE JOB SITE BEFORE REMOVING EXISTING EQUIPMENT AND INSTALLING NEW ITEMS.
7. EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. RELOCATING EXISTING CONDUIT SHALL NOT BE ALLOWED. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO ASSURE PROPER GROUND PATH.
8. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
9. DEVICES TO BE REMOVED SHALL HAVE ALL CONNECTED WIRING REMOVED TO THE SOURCE.
10. DEVICES NOT TO BE REMOVED SHALL BE PROTECTED FROM THE ENVIRONMENT, AND ALL ASSOCIATED CABLE/RACEWAYS ARE TO REMAIN AND BE PROTECTED. T.C. SHALL BE RESPONSIBLE FOR REPAIR OF ANY INTERRUPTIONS TO PROTECTED DEVICES.

TECHNOLOGY SHEET INDEX



INSTALL ABOVE COUNTER DEVICE AT 44" ABOVE FINISHED FLOOR.

INSTALL ABOVE COUNTER DEVICE AT 40" ABOVE FINISHED FLOOR.

INSTALL DEVICE AT 18" ABOVE FINISHED FLOOR.

ADA GUIDELINES - FRONT ACCESS

INSTALL DEVICE AT 44" ABOVE FINISHED FLOOR.

INSTALL DEVICE AT 42" ABOVE FINISHED FLOOR.

ADA GUIDELINES - SIDE ACCESS

ADA STANDARDS FOR ACCESSIBLE DESIGN

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NEUMANN MONSON ARCHITECTS

PROJECT NAME

DAS - SHB - ARCHIVES STORAGE RENOVATION DAS # 9485.00

OWNER

PROJECT NO. 22035

ISSUE

DATE	DESCRIPTION
09/19/25	100% CONSTRUCTION DOCUMENTS

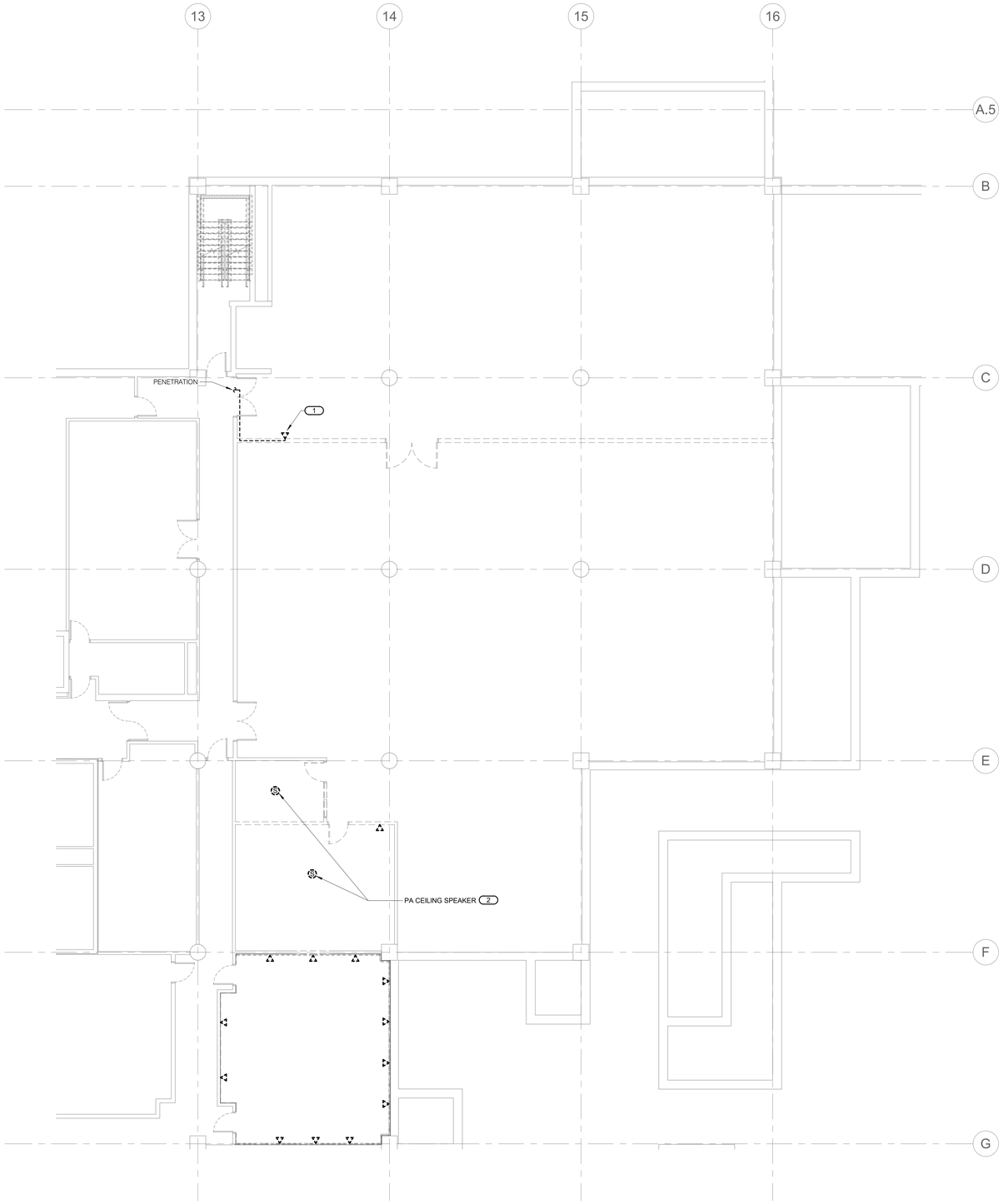
SHEET NAME

TECHNOLOGY COVERSHEET

SHEET NUMBER

T-000

TB Version 16.3



KEYNOTES: #

1. DEMOLISH EXSTING DATA OUTLET AND CONDUIT BACK TO PENETRATION ABOVE DOUBLE DOOR.
2. DEMOLISH EXISTING PA SPEAKER. STORE IN SAFE LOCATION FOR RE-INSTALLATION.

1 FIRST FLOOR DEMOLITION PLAN - TECHNOLOGY

1/8" = 1'-0"

NORTH

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PROJECT #22010338.00

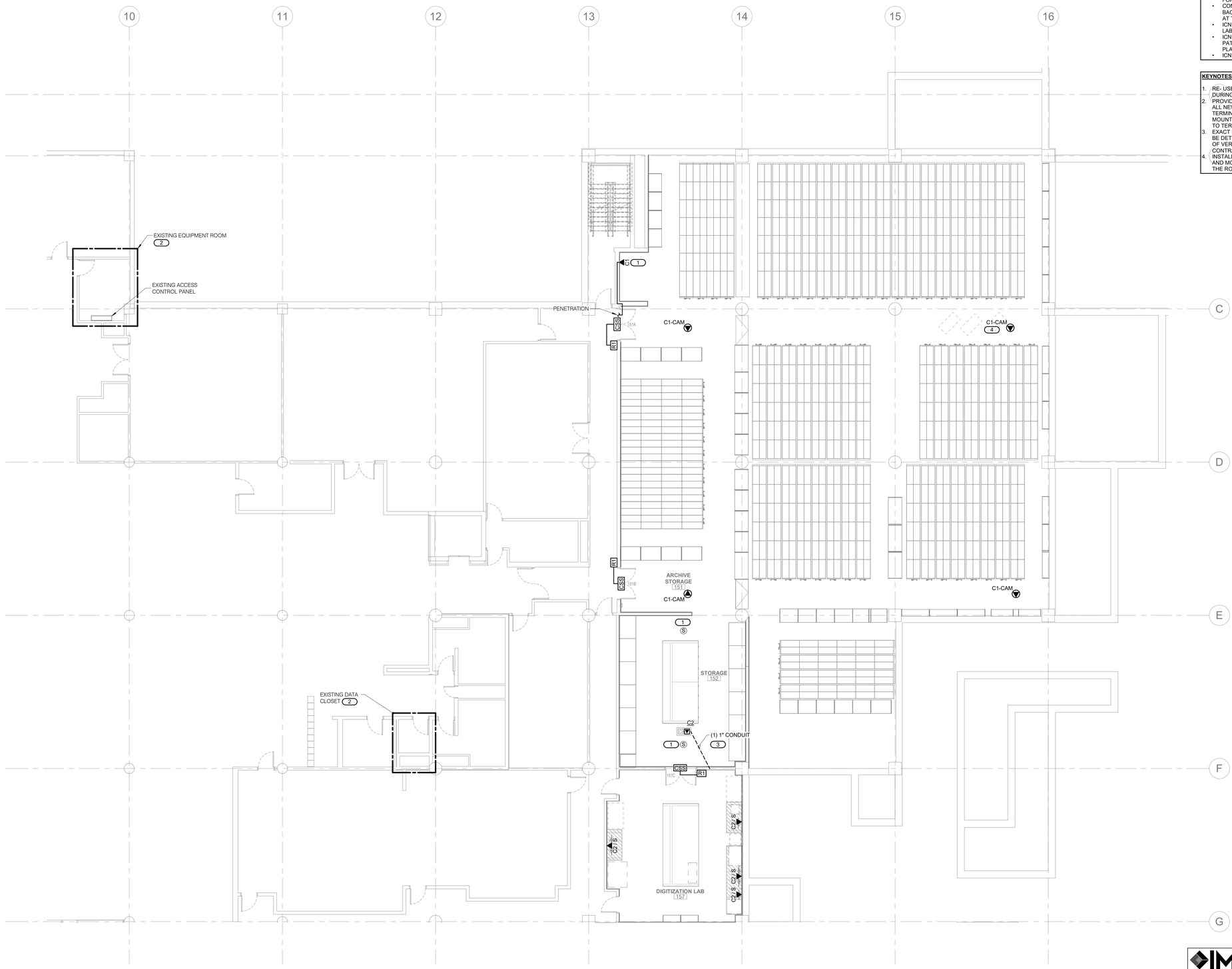
SHEET NAME

FIRST FLOOR DEMOLITION PLAN - TECHNOLOGY

SHEET NUMBER

TD101

TB Version 16.3



SHEET NOTES:

1. REFER TO T-000 FOR TECHNOLOGY SYMBOL LIST AND GENERAL TECHNOLOGY INSTALLATION NOTES.
2. REFER TO T-000 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
3. ALL ACCESS CONTROL CABLING IN THIS SHEET SHALL BE SERVED FROM THE EXISTING EQUIPMENT ROOM.
4. ALL NEW STRUCTURED CABLING IN THIS SHEET SHALL BE SERVED FROM THE EXISTING DATA CLOSET.
5. PROVIDE NEW DATA CONDUIT AND ETHERNET CABLE FROM PENETRATION ABOVE DOUBLE DOOR. SURFACE CONDUIT IS ALLOWED.
6. SECURITY CAMERA EQUIPMENT AND PROGRAMMING BY OWNER. T.C. TO PROVIDE CABLING TO THE EXISTING DATA CLOSET.
7. THE CONTRACTOR SCOPE OF WORK SHALL BE AS FOLLOWS:
   - CONTRACTOR TO DEMO ALL CABLES BACK TO SOURCE THAT ARE CALLED OUT ON THE DEMO PLAN.
   - CONTRACTOR TO PROVIDE PATHWAYS FOR ALL VOICE/DATA AND CAMERAS.
   - CONTRACTOR TO PROVIDE CAT6 CABLING FOR ALL VOICE/DATA AND CAMERAS.
   - CONTRACTOR TO PROVIDE RACEWAY AND BACKBOX FROM CEILING TO MOUNT CAMERA AT THE IDENTIFIED HEIGHT.
   - ICN (OWNER) TO TEST, TERMINATE AND LABEL ALL CABLES
   - ICN (OWNER) WILL PROVIDE ALL JACKS, PATCH CORDS, PATCH PANELS, AND COVER PLATES.
   - ICN (OWNER) WILL MOUNT ALL CAMERAS.

KEYNOTES: (#)

1. RE- USE THE PROTECTED DEVICE REMOVED DURING RENOVATION.
2. PROVIDE A NEW PATCH PANEL SC-MPP-1 FOR ALL NEW LOW VOLTAGE CABLING TERMINATIONS. COORDINATE FINAL RACK MOUNTING LOCATION WITH THE OWNER PRIOR TO TERMINATIONS.
3. EXACT ROUTING OF CONDUIT TO FLOORBOX TO BE DETERMINED BY E.C. . COORDINATE ROUTING OF VERTICAL PATHWAY WITH TELECOM CONTRACTOR.
4. INSTALL 4"SQUARE BOX ROUGH-IN FOR CAMERA AND MOUNT IN A THREADED ROD AT 2'-0" BELOW THE ROOF DECK.

1 FIRST FLOOR PLAN - TECHNOLOGY

1/8" = 1'-0"

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SHEET NAME

FIRST FLOOR PLAN - TECHNOLOGY

SHEET NUMBER

T-102

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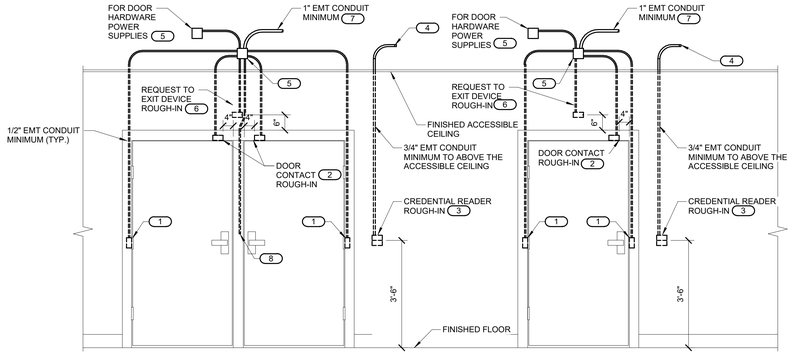


DOOR FRAME ROUGH-IN DIAGRAM
(ALL DOUBLE DOORS WITH OR WITHOUT MULLION)

DOOR FRAME ROUGH-IN DIAGRAM
(ALL SINGLE DOORS)

1 CONTROLLED SECURITY SCHEME DOOR ROUGH-IN DETAIL

NO SCALE

NOTES:

1. CONFIGURATIONS SHOWN IN THE DETAIL ABOVE ARE DIAGRAMMATIC, INTENDED TO DESCRIBE THE CONTROLLED SECURITY SCHEME ROUGH-IN REQUIREMENTS OF THE DOORS. DETAILS ABOVE MAY NOT ACCURATELY REPRESENT DOOR SIZE, DOOR SWING, DOOR HARDWARE, OR DOOR FUNCTIONALITY. REFER TO ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE GROUPS AND DOOR HARDWARE SPECIFICATIONS FOR COMPLETE INFORMATION. MIRROR THE DETAIL AS REQUIRED.
2. ROUGH IN SHOWN IN THE DETAIL ABOVE REPRESENTS THE MINIMUM REQUIREMENTS FOR ALL CONTROLLED SECURITY SYSTEM DEVICES AND CABLING UNLESS OTHERWISE NOTED. COORDINATE EXACT REQUIREMENTS WITH SELECTED DOOR MATERIALS, DOOR HARDWARE, AND CONTROLLED SECURITY DEVICES AND CABLING PRIOR TO INSTALLATION.
3. ALL CABLING IN WALLS AND WHERE EXPOSED ON VERTICAL SURFACES SHALL BE INSTALLED IN EMT CONDUIT OR SURFACE MOUNT RACEWAY. CABLING ROUTED HORIZONTALLY ABOVE THE ACCESSIBLE CEILING MAY BE INSTALLED FREE-AIR CABLING PROPERLY RATED FOR THE CEILING ENVIRONMENT.
4. THE ELECTRICAL OR SECURITY CONTRACTOR SHALL NOT MODIFY ANY FIRE RATED DOOR AND/OR DOOR FRAME. REFER TO THE ARCHITECTURAL DOOR SCHEDULE, DOOR HARDWARE SCHEDULE, AND DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION. MODIFICATION TO ANY FIRE RATED DOOR AND/OR FRAME WILL REQUIRE A RE-CERTIFICATION OF THE DOOR AND FRAME WITH THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).
5. INSTALLING CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOP MATERIALS FOR ALL CONTROLLED SECURITY SCHEME ROUGH-INS PER PROJECT REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
6. REFER TO THE CONTROLLED SECURITY SCHEME WIRING DIAGRAM ON 2/T-103 FOR CABLING REQUIREMENTS AND THE CONTROLLED SECURITY SCHEME SCHEDULE ON T-103 FOR ADDITIONAL INFORMATION.
7. INSTALLATION SHALL INCLUDE ALL POWER REQUIRED FOR SYSTEM OPERATION INCLUDING +120VAC. REFER TO THE SUGGESTED MATRIX OF SCOPE RESPONSIBILITY FOR ADDITIONAL INFORMATION.

KEYNOTES: (#)

1. PROVIDE JUNCTION BOXES IN THE DOOR FRAME WHERE SHOWN ON THIS DETAIL. ROUGH-IN SHALL BE PROVIDED WHETHER THE CURRENT SECURITY SCHEME UTILIZES THEM OR NOT. ALL CONDUITS SHALL BE EMT CONDUIT UNLESS OTHERWISE NOTED. FLEXIBLE CONDUIT OF ANY TYPE WILL NOT BE ACCEPTED. COORDINATE INSTALLATION WITH ON-SITE DOOR FRAME INSTALLATION CONTRACTOR.
2. ALL DOOR POSITION SWITCHES ARE REQUIRED TO BE RECESSED UNLESS OTHERWISE NOTED. ELECTRIC HINGE MONITORS ARE NOT AN ACCEPTABLE REPLACEMENT FOR THE RECESSED DOOR POSITION SWITCH.
3. 4" SQUARE BACKBOX WITH SINGLE GANG PLASTER RING. PROVIDE 2 1/2" DEEP MASONRY BOX WHERE APPLICABLE. REFER TO FLOOR PLAN(S) FOR ACTUAL CREDENTIAL READER TYPE AND ROUGH-IN LOCATIONS.
4. CONDUIT SHALL ROUTE FROM THE CREDENTIAL READER TO THE SECURE SIDE OF THE DOOR. CONDUIT SHALL ROUTE TO THE NEAREST ACCESSIBLE CEILING. PROVIDE A NYLON BUSHING ON CONDUIT END.
5. MOUNT A MINIMUM 4" SQUARE 2-1/8" DEEP JUNCTION BOX WITH BLANK COVER PLATE ON THE SECURE SIDE OF THE DOOR ABOVE ACCESSIBLE CEILING. INSTALLING CONTRACTOR SHALL SIZE THE JUNCTION BOXES PER SYSTEM INSTALLATION REQUIREMENTS AND APPLICABLE CODES. MAINTAIN ACCESS TO THE JUNCTION BOX.
6. PROVIDE A HORIZONTALLY MOUNTED SINGLE GANG BACKBOX FOR THE REQUEST TO EXIT SENSOR. REFER TO THE CONTROLLED SECURITY SCHEME SCHEDULE ON T-103 FOR DOORS THAT REQUIRE THIS ROUGH-IN.
7. CONDUIT SHALL ROUTE TO THE NEAREST ACCESSIBLE CEILING. PROVIDE A NYLON BUSHING ON CONDUIT END.
8. CONDUIT INSTALLED IN PERMANENT MULLIONS ONLY. REFER TO THE ARCHITECTURAL DOOR SCHEDULE AND DOOR HARDWARE GROUPS FOR LOCATIONS THAT REQUIRE THIS ROUGH-IN. PROVIDE A NYLON BUSHING ON THE CONDUIT END.

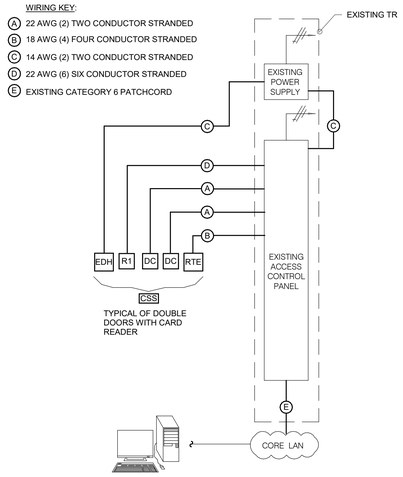
CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE

1. ELECTRONIC DOOR HARDWARE SUCH AS ELECTRIC STRIKES, ELECTRIC LATCH RETRACTION, ETC. SHALL BE PROVIDED AND INSTALLED BY OTHERS.
2. REFER TO THE TECHNOLOGY EQUIPMENT SCHEDULE FOR CREDENTIAL READER TYPE INFORMATION.

		CREDENTIAL READER			INTEGRATION										REQUEST TO EXIT		DOOR HARDWARE / MONITORING										OTHER (REFER TO NOTES)				
DOOR #	ROUGH-IN ONLY	CREDENTIAL READER TYPE	MULTIPLE CREDENTIAL READERS OPERATES SINGLE DOOR	OPERATES MULTIPLE DOORS	AUTOMATIC DOOR OPERATOR	ELEVATOR	LOCKED BY EMERGENCY DURESS SEQUENCE	INFANT PROTECTION	REMOTE UNLOCK VIA INTERCOM MASTER	REMOTE UNLOCK VIA PUSHBUTTON	INTRUSION DETECTION	REMOTE UNLOCK VIA FIRE COMMAND CENTER	VIDEO SURVEILLANCE	WANDER PREVENTION SYSTEM	MOTION DETECTOR	LOCAL PUSHBUTTON DOOR HARDWARE OVERRIDE	INTERNAL ELECTRIFIED HARDWARE CONNECTION (BY OTHERS)	ELECTRONIC LOCKING HARDWARE (BY OTHERS)	MAG LOCK	LATCH STATUS DETECTION (BY OTHERS)	LOCAL ALARM HORN	MONITOR LATCH BOLT (BY OTHERS)	MONITOR DOOR POSITION SWITCH SPDT	MONITOR DOOR POSITION SWITCH DPDT	MONITOR DOOR POSITION SWITCH - OVERHEAD DOOR	MONITOR DOOR POSITION SWITCH - ROOF HATCH	DELAYED EGRESS (BY OTHERS)	LOCAL 120VAC POWER SUPPLY	SCHEDULE BASED LOCKING	VISUAL STROBE/AUDIBLE ALARM	NOTES
151A		R1															•	•						•							
151B		R1															•	•						•							
157C		R1															•	•						•							

WIRING KEY:

- (A) 22 AWG (2) TWO CONDUCTOR STRANDED
- (B) 18 AWG (4) FOUR CONDUCTOR STRANDED
- (C) 14 AWG (2) TWO CONDUCTOR STRANDED
- (D) 22 AWG (6) SIX CONDUCTOR STRANDED
- (E) EXISTING CATEGORY 6 PATCHCORD

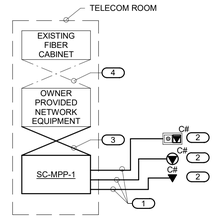


2 ACCESS CONTROL RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND NOT INTENDED TO SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE.
2. ALL CABLING SHALL BE PLENUM RATED.
3. REFER TO T-000 FOR TECHNOLOGY EQUIPMENT SCHEDULE.



3 CONNECTIVITY RISER DIAGRAM

NO SCALE

NOTES:

1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE, ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING AND QUANTITY INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. REFER TO T-000 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

KEYNOTES: (#)

1. 23 GAUGE, 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE, SEE SPECIFICATIONS.
2. REFER TO INFORMATION OUTLET SCHEDULE ON T-000 AND THE FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.
3. RJ-45 TO RJ-45 CATEGORY CAT 6 UTP PATCH CORD. SEE SPECIFICATIONS.
4. EXISTING FIBER PATCH CORD. SEE SPECIFICATIONS.

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SHEET NAME

TECHNOLOGY DETAILS

SHEET NUMBER

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