



YORK COUNTY PLANNING BUILDING LOBBY RENOVATION

18 W LIBERTY ST
YORK, SC 29745

GENERAL NOTES

- A. THE TERM "WORK" AS USED IN THESE NOTES SHALL INCLUDE ALL PROVISIONS AS DRAWN OR SPECIFIED IN THESE DOCUMENTS AS WELL AS ALL OTHER PROVISIONS SPECIFICALLY INCLUDED BY THE OWNER IN THE FORM OF DRAWINGS, SPECIFICATIONS, AND WRITTEN INSTRUCTIONS AND APPROVED BY THE ARCHITECT.
- B. THE TERM "CONTRACTOR" AS USED IN THESE NOTES SHALL REFER TO THE GENERAL CONTRACTOR OR TO THE SUB-CONTRACTORS. THE OWNER MAY ELECT TO CONTRACT DIRECTLY WITH A SUB-CONTRACTOR FOR ANY PART OF THE WORK.
- C. SCOPE OF WORK: THE CONTRACTOR SHALL INCLUDE AND PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, AND PAY ALL EXPENSES INCURRED IN THE PROPER COMPLETION OF WORK UNLESS SPECIFICALLY NOTED TO BE THE WORK OF OTHERS. CONTRACTOR SHALL PERFORM ALL WORK NECESSARY FOR PRODUCING A COMPLETE, HABITABLE PROJECT, INCLUDING BUT NOT LIMITED TO SITE WORK, ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, PLUMBING, HVAC, AND ELECTRICAL.
- D. BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND SHALL NOTIFY THE ARCHITECT, IN WRITING, OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK AND SHALL BE RESPONSIBLE FOR SAME.
- E. IF THE CONTRACT DOCUMENTS ARE FOUND TO BE UNCLEAR, AMBIGUOUS OR CONTRADICTORY, THE CONTRACTOR MUST REQUEST CLARIFICATION FROM THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH THAT PART OF THE WORK.
- F. IF A CONDITION EXISTS THAT REQUIRES OBSERVATION OR ACTION BY THE ARCHITECT, OR OTHER DESIGN PROFESSIONAL, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT.
- G. CONTRACTOR SHALL BE FAMILIAR WITH PROVISIONS OF ALL APPLICABLE CODES AND SHALL ENSURE THE COMPLIANCE OF THE WORK WITH ALL LOCAL, STATE AND FEDERAL CODES, TRADE STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. IN THE EVENT OF CONFLICT BETWEEN LOCAL, STATE AND NATIONAL CODES, THE MORE STRINGENT SHALL GOVERN. BEFORE COMMENCING WORK NOT SHOWN IN DOCUMENTS, BUT REQUIRED TO ACHIEVE FULL COMPLIANCE WITH CODES, CONTRACTOR SHALL NOTIFY ARCHITECT.
- H. THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY, COMPLIANCE WITH STATE AND FEDERAL REGULATIONS REGARDING SAFETY AND COMPLIANCE WITH REQUIREMENTS SPECIFIED IN THE OWNER/CONTRACTOR CONTRACT IS, AND SHALL BE, THE CONTRACTOR'S RESPONSIBILITY.
- I. CONTRACTOR SHALL PAY ALL TAXES, SECURE ALL PERMITS AND PAY ALL FEES INCURRED IN THE COMPLETION OF THE PROJECT.
- J. THE CONTRACTOR SHALL UNCONDITIONALLY WARRANTY ALL MATERIALS, AND WORKMANSHIP FURNISHED OR INSTALLED BY HIM OR HIS SUBCONTRACTORS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE AND SHALL REPLACE ANY DEFECTIVE WORK WITHIN THAT PERIOD WITHOUT EXPENSE TO THE OWNER AND PAY FOR ALL DAMAGES TO OTHER PARTS OF THE BUILDING RESULTING FROM DEFECTIVE WORK OR ITS REPAIR. THE CONTRACTOR SHALL REPLACE DEFECTIVE WORK WITHIN A REASONABLE, AGREED UPON TIME FRAME, AFTER IT IS BROUGHT TO HIS ATTENTION.
- K. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS AND RUBBISH AND AT THE COMPLETION OF THE WORK THE CONTRACTOR SHALL REMOVE ALL RUBBISH, IMPLEMENTS, AND SURPLUS MATERIALS AND LEAVE THE BUILDING IN NEW AND CLEAN CONDITION.
- L. CONTRACTOR IS TO PROVIDE TO THE OWNER A LIST OF ALL SUBCONTRACTORS USED, COMPLETE WITH ADDRESSES, PHONE NUMBERS AND COPIES OF ALL WARRANTIES AND OPERATIONS AND MAINTENANCE MANUALS.

COORDINATION OF WORK

ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND SUB-CONTRACTORS TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND SUB-CONTRACTORS. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS, AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND SUB-CONTRACTORS. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEE'S USE ON THE PROJECT AND ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND SUB-CONTRACTORS.

CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES AND SAFETY PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK.

DEFERRED SUBMITTALS AND SEPARATE PERMITS

THE FOLLOWING ITEMS ARE DEFERRED SUBMITTALS OR SEPARATE PERMITS:

SYSTEMS ARE EXISTING WITH ONLY MINOR FIELD MODIFICATIONS.

DRAWING SYMBOL LEGEND

101

DOOR TAG

A

WINDOW TAG

1 SIM
AA00.00

SECTION TAG

1
AA00.00

ELEVATION TAG

1
AA00.00

DETAIL TAG

?

NOTE TAG

0

COLUMN LINE

X

WALL TAG

ft

EQUIPMENT/
ACCESSORY

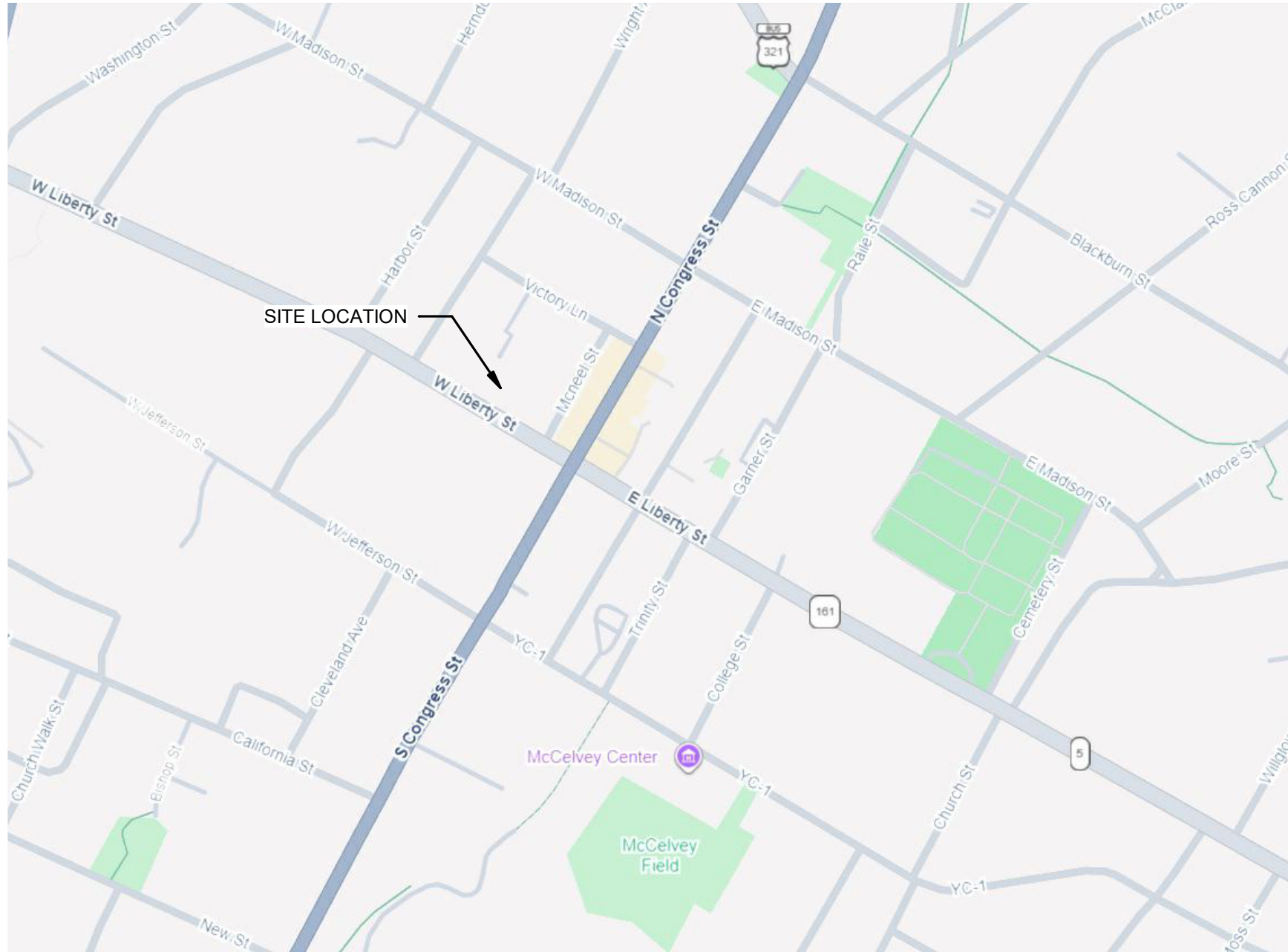
?

FINISH TAG

M1

FURNITURE/
MILLWORK TAG

VICINITY MAP



PROJECT SCOPE

THE PROJECT SCOPE OUTLINED IN THIS SET OF DOCUMENTS INCLUDES THE RENOVATION OF THE EXISTING LOBBY AND WEST OFFICE ON THE FIRST FLOOR ONLY. THE RENOVATION INCLUDES DEMOLITION, NEW CONSTRUCTION, REWORKING OF DUCTWORK, REWORKING OF ELECTRICAL, AND NEW FINISHES.

KEY PLAN



DRAWING INDEX

NUMBER	SHEET NAME	SHEET ISSUE DATE	CURRENT REVISION	CURRENT REVISION DATE
TITLE				
T1.01	TITLE SHEET		B	08 JUN 2026
LIFE SAFETY				
LS1.01	CODE REVIEW		B	08 JUN 2026
ARCHITECTURAL DEMOLITION				
AD1.01	DEMOLITION PLAN		B	08 JUN 2026
AD2.01	DEMOLITION REFLECTED CEILING PLAN		B	08 JUN 2026
ARCHITECTURE				
A1.01	DIMENSION AND NOTED FLOOR PLANS		B	08 JUN 2026
A2.01	REFLECTED CEILING PLAN		B	08 JUN 2026
A6.01	INTERIOR ELEVATIONS		B	08 JUN 2026
A10.01	DOOR SCHEDULE, HARDWARE SCHEDULE, DOOR LEGEND		B	08 JUN 2026
A11.01	MILLWORK PLANS AND ELEVATIONS		B	08 JUN 2026
A11.02	MILLWORK DETAILS		B	08 JUN 2026
A12.01	FINISH SCHEDULE, LEGEND, AND PLAN		B	08 JUN 2026
MECHANICAL				
M0.01	MECHANICAL LEGEND AND NOTES		B	08 JUN 2026
M0.02	MECHANICAL SCHEDULES		B	08 JUN 2026
M0.03	MECHANICAL SPECIFICATION		B	08 JUN 2026
M0.04	MECHANICAL SPECIFICATIONS		B	08 JUN 2026
M0.05	MECHANICAL EQUIPMENT DIAGRAM		B	08 JUN 2026
M0.06	MECHANICAL DETAILS		B	08 JUN 2026
M1.01	MECHANICAL PLANS - 1ST FLOOR		B	08 JUN 2026
M1.02	MECHANICAL PLANS - 2ND FLOOR		B	08 JUN 2026
FIRE PROTECTION				
FP1.01	FIRE PROTECTION CRITERIA PLANS		B	08 JUN 2026
ELECTRICAL				
E0.01	ELECTRICAL LEGEND AND NOTES		B	08 JUN 2026
E0.02	ELECTRICAL SPECIFICATIONS		B	08 JUN 2026
E0.03	ELECTRICAL DIAGRAMS		B	08 JUN 2026
E1.01	ELECTRICAL POWER PLAN - BASEMENT & 1ST FLOOR & 2ND FLOOR		B	08 JUN 2026
E2.01	ELECTRICAL CEILING PLAN - 1ST FLOOR & 2ND FLOOR		B	08 JUN 2026
E8.00	ELECTRICAL DETAILS		B	08 JUN 2026
E9.00	ELECTRICAL PANEL SCHEDULES		B	08 JUN 2026
ED1.01	ELECTRICAL DEMOLITION PLAN - 1ST FLOOR & 2ND FLOOR		B	08 JUN 2026
ED2.01	ELECTRICAL CEILING DEMOLITION PLAN - 1ST FLOOR		B	08 JUN 2026

Seal

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Project



YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION

Project Number 26102
Drawn By LMG
Checked By MTP
Date 8 JUN 2026

Revisions

A 31 MAR 2026 ISSUE FOR PERMIT
B 08 JUN 2026 ISSUE FOR BID

Drawing

TITLE SHEET

T1.01

PROJECT CONTACTS

OWNER

YORK COUNTY
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864.232.6642

PROJECT ADDRESS

18 W LIBERTY ST
YORK, SC 29745

ARCHITECT/ENGINEER OF RECORD

DISCIPLINE	DESIGNER OF RECORD	LICENSE	TELEPHONE NUMBER
ARCHITECT	MICHAEL T. PRY, AIA	04570	864.232.8200
ELECTRICAL ENGINEER	SHANNON EPPS, PE	22785	864.232.6642
MECHANICAL ENGINEER	ALEXANDER EPPS, PE	44686	864.232.6642

ADMINISTRATION

BUILDING REVIEW AGENCY	CITY OF YORK	ZONING SETBACKS:	
OFFICIAL	ALEX MOORE	FRONT:	30'
PHONE NUMBER	803.792.8673	SIDE:	10'
		REAR:	15'
TAX MAP NUMBER:	0700301025		
ZONING CLASS:	GENERAL COMMERCIAL	FLOOD ZONE:	NO
ALLOWED HEIGHT:	45'	WETLANDS:	NO
ALLOWED STORIES:		FIRE DISTRICT:	NO
		DARK SKY REQUIREMENTS:	NO
OVERLAY DISTRICT:	B-1 CENTRAL BUSINESS DISTRICT	CLIMATE ZONE:	3A

PROJECT DESIGNED IN ACCORDANCE WITH

CODE	VERSION
INTERNATIONAL BUILDING CODE	2021 EDITION
INTERNATIONAL MECHANICAL CODE	2021 EDITION
INTERNATIONAL PLUMBING CODE	2021 EDITION
NATIONAL ELECTRICAL CODE	2020 EDITION
INTERNATIONAL FIRE CODE	2021 EDITION
NFPA LIFE SAFETY CODE	2015 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE	2009 EDITION
INTERNATIONAL FUEL GAS CODE	2021 EDITION
ASHRAE 90.1	2019 EDITION
ACCESSIBILITY CODE	ANSI A117.1 2017

USE AND OCCUPANCY INFORMATION

ITEM DESCRIPTION	PROVIDED	CODE SECTION	COMMENTS
CONSTRUCTION CLASSIFICATION	IB		
SINGLE OCCUPANCY OR MAIN OCCUPANCY GROUP	B	IBC SECTION 302	
MIXED USE AND OCCUPANCY	NO	IBC SECTION 508	
OCCUPANCY GROUPS (ALL)	B	IBC SECTION 302	
ACCESSORY OCCUPANCIES	NO	IBC SECTION 508.2	
NONSEPARATED	NO	IBC SECTION 508.3	
SEPARATED	NO	IBC SECTION 508.4	
INCIDENTAL USE AREA SEPARATION	NO	IBC SECTION 509	
HAZARDOUS MATERIALS	NO	IBC SECTION 414	

ALLOWABLE BUILDING HEIGHTS AND AREAS

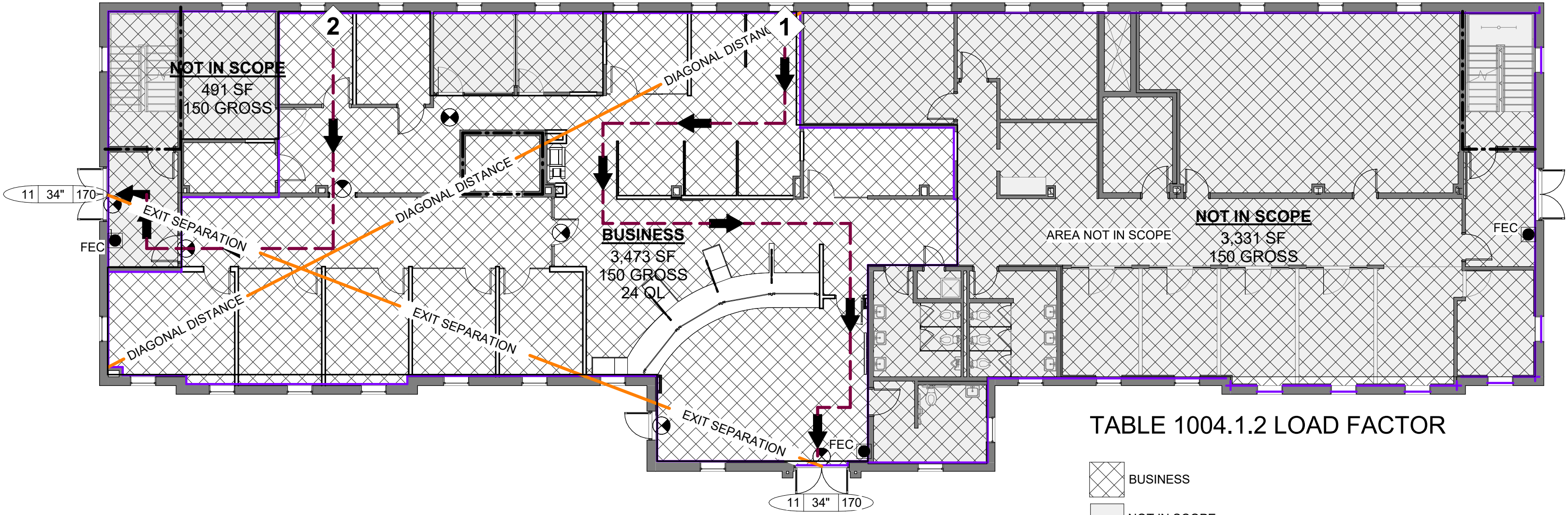
BUILDING	GROUP	CONST. TYPE	SPRINKLER TYPE	BUILDING HEIGHT		No. OF STORIES		BUILDING AREA	
				ALLOWED	PROVIDED	ALLOWED	PROVIDED	ALLOWED (Aa)	PROVIDED
BUILDING A	B	(none)	S1	75' - 0"	38' - 0"	4	3	92,000	16,852 SQFT

OCCUPANT LOADS

ROOM/AREA	IBC TABLE 1004.5		AREA	OCCUPANTS
	FUNCTION OF SPACE	LOAD FACTOR		
1ST FLOOR				
BUSINESS	BUSINESS	150 GROSS	3,473 SF	24
NOT IN SCOPE	BUSINESS	150 GROSS	3,331 SF	23
NOT IN SCOPE	BUSINESS	150 GROSS	491 SF	4
2ND FLOOR				
NOT IN SCOPE	BUSINESS	150 GROSS	7,400 SF	50
TOTAL OCCUPANTS				101

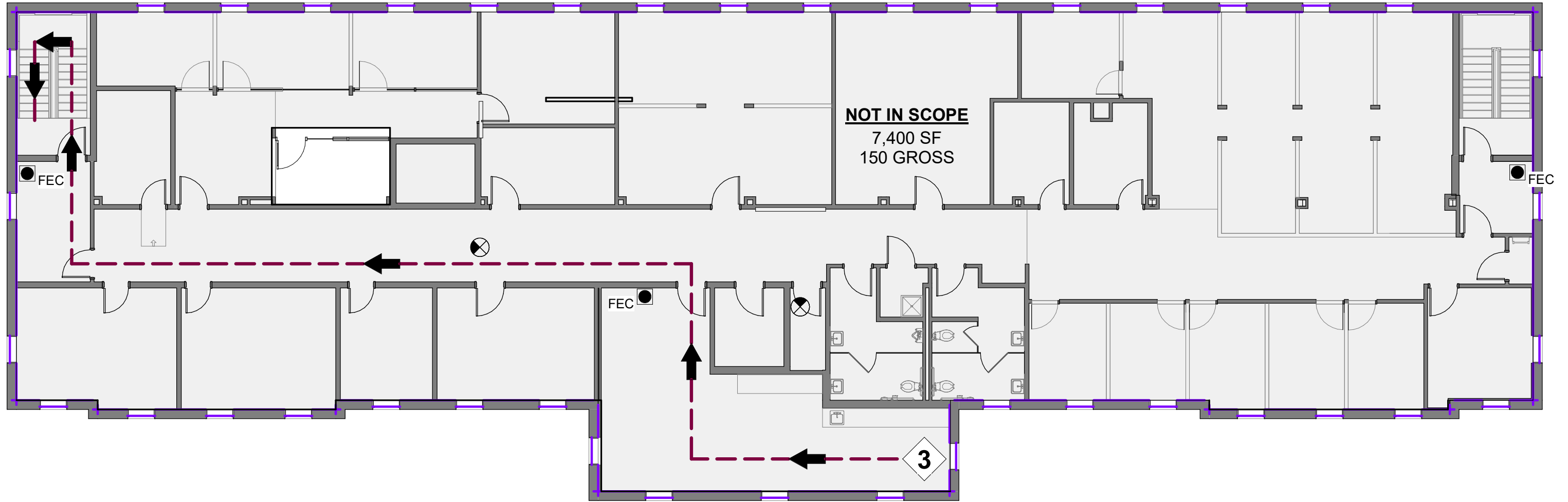
FIRE RESISTANCE RATING REQUIREMENTS (HOURS)

BUILDING ELEMENT	REQUIRED	PROVIDED	CODE SECTION	LISTING No.
STRUCTURAL FRAME	0	0	IBC TABLE 601	
BEARING WALLS				
EXTERIOR	1	1	IBC TABLE 601	EXISTING
INTERIOR	0	0	IBC TABLE 601	
NON-BEARING WALLS				
EXTERIOR	REFER TO FIRE RATING FOR EXTERIOR WALLS AND WALL OPENINGS			
INTERIOR	1	1	IBC TABLE 501	EXISTING
FLOOR CONSTRUCTION	0	0	IBC TABLE 601	
ROOF CONSTRUCTION	0		IBC TABLE 601	
VERTICAL SHAFT CONSTRUCTION	0	0	IBC SECTION 713	



1 LIFE SAFETY PLAN - LEVEL 1

LS1.01 3/32" = 1'-0"



2 LIFE SAFETY PLAN - LEVEL 2

LS1.01 3/32" = 1'-0"

LIFE SAFETY LEGEND

NAME 150 SF GROUP A2 GROSS/NET # Occupants OL	OCCUPANCY TAG
	FIRE EXTINGUISHER IN CABINET
	EXIT PATH AND DIRECTION
	EXIT PATH NUMBER
	EXIT SIGN
	1, 2, 3 OR 4 HOUR RATED WALL
	EXIT WIDTH
	ACTUAL OCCUPANT LOAD PER EXIT
	OCCUPANTS ALLOWED PER EXIT

TRAVEL DISTANCE

PATH	TRAVEL DISTANCE	COMMON PATH	COMMENT
1	102' - 6"	11' - 2"	MAX DISTANCE ALLOWED FOR B OCCUPANCY: 200'-0"
2	56' - 9"	56' - 9"	MAX DISTANCE ALLOWED FOR B OCCUPANCY: 200'-0"
3	149' - 8"	46' - 2"	MAX DISTANCE ALLOWED FOR B OCCUPANCY: 200'-0"

ARRANGEMENT OF EXITS

FLOOR	DIAGONAL DISTANCE	DISTANCE APART	
		MIN. ALLOWED	PROVIDED
BUSINESS	89' - 4"	44' - 8"	87' - 9"

FIRE EXTINGUISHERS

CORRIDORS 3A-40B.C DRY CHEMICAL, MULTIPURPOSE

- A. THE CONTRACTOR SHALL PROVIDE AND COORDINATE FINAL PLACEMENT AND SIZING OF ALL FIRE EXTINGUISHERS WITH THE LOCAL FIRE MARSHAL.
- B. EXTINGUISHERS HAVING A WEIGHT OF LESS THAN 40 POUNDS SHALL BE INSTALLED SO THAT THE HANDLE OF THE EXTINGUISHER IS NOT MORE THAN 5 FEET ABOVE THE FLOOR. EXTINGUISHERS HAVING A WEIGHT OF MORE THAN 40 POUNDS SHALL BE INSTALLED SO THAT THE TOP OF THE EXTINGUISHER IS NOT OVER 3 1/2 FEET ABOVE THE FLOOR. CLEARANCE BETWEEN THE BOTTOM OF THE EXTINGUISHER AND THE FLOOR MUST BE AT LEAST 4 INCHES.
- C. EXTINGUISHERS SHALL BE PLACED IN A MANNER SUCH THAT THE OPERATING INSTRUCTIONS FACE OUTWARD. THE LOCATION OF EXTINGUISHERS SHALL BE CONSPICUOUSLY MARKED TO BE CLEARLY VISIBLE AT A DISTANCE OF 25 FEET.

Seal

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Project



YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION

Project Number 26102
Drawn By LMG
Checked By MTP
Date 8 JUN 2026

Revisions

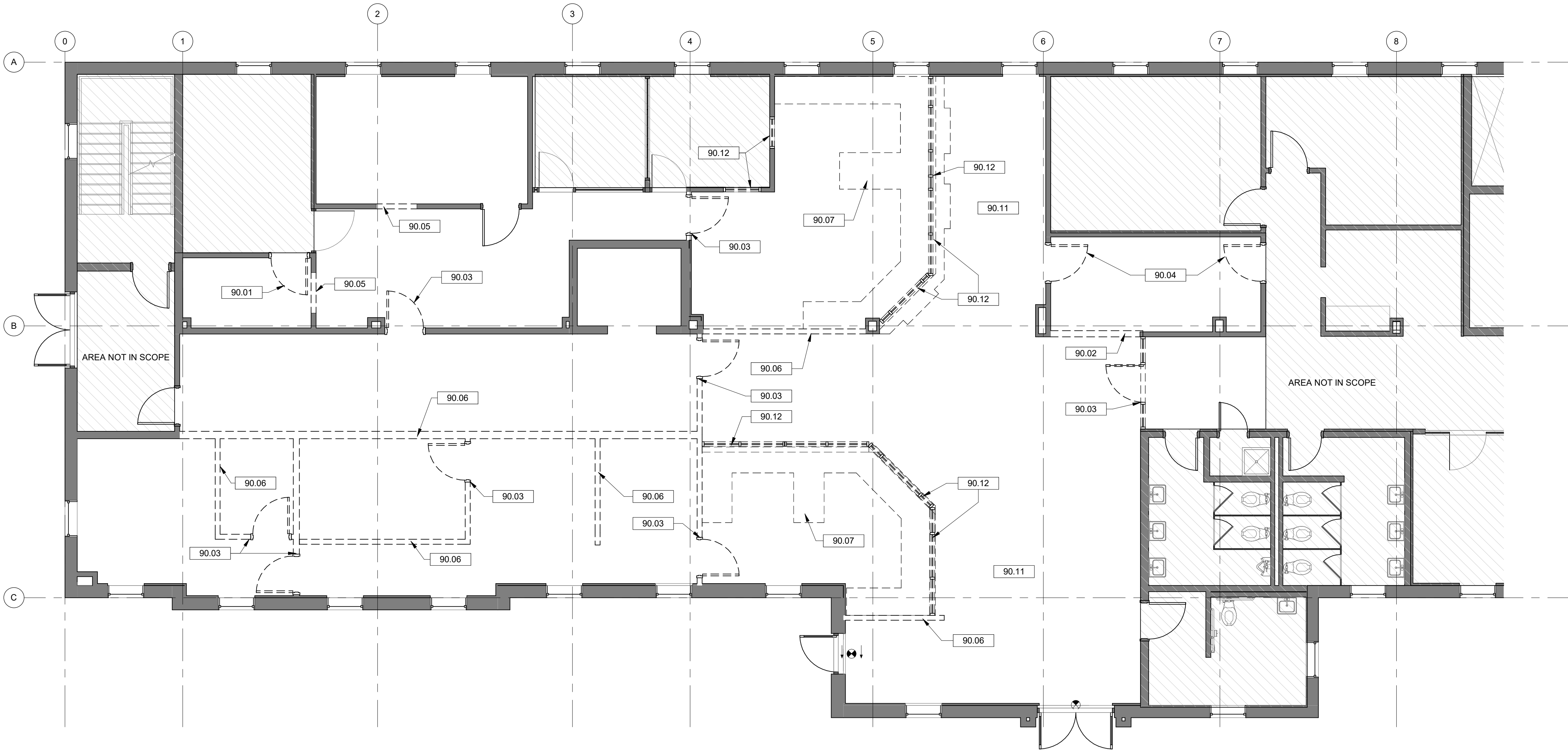
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Drawing

CODE REVIEW

LS1.01

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1 DEMOLITION PLAN
AD1.01 3/16" = 1'-0"

GENERAL DEMOLITION NOTES

- A. ALL HAZARDOUS MATERIALS SHALL BE REMOVED PRIOR TO START OF CONSTRUCTION UNDER SEPARATE CONTRACT.
- B. ALL MATERIALS THAT HAVE BEEN DEMOLISHED SHALL BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY. NO DEMOLISHED MATERIALS SHALL BE STOCKPILED ON SITE.
- C. PROTECT OWNER'S PROPERTY AND PERSONS AT ALL TIMES.
- D. ANY ITEMS NOT SHOWN TO BE DEMOLISHED THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
- E. COORDINATE ANY SYSTEMS SHUTDOWNS WHICH MAY BE REQUIRED WITH THE OWNER.
- F. PRIOR TO COMMENCING WITH THE DEMOLITION, THE CONTRACTOR SHALL ASCERTAIN FROM THE OWNER WHETHER OR NOT THE OWNER WISHES TO RETAIN ANY ITEMS. ANY SUCH ITEMS SHALL BE REMOVED WITH CARE SO AS TO PREVENT UNNECESSARY DAMAGE AND TURNED OVER TO THE OWNER.
- G. THE CONTRACTOR SHALL CONTROL AND LIMIT DUST RESULTING FROM DEMOLITION AND PREVENT THE SPREAD OF DUST TO THE REMAINING BUILDING.
- H. BURNING ON THE SITE WILL NOT BE PERMITTED.
- I. EXPLOSIVES WILL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED.
- J. WHERE DAMPERS, CONDUIT, PIPING, ETC. ARE REMOVED FROM RATED WALLS, WALLS SHALL BE PATCHED AND SEALED TO MAINTAIN FIRE AND SMOKE RATING INTEGRITY OF WALLS.
- K. CONTRACTOR SHALL MAKE FUNCTIONAL ALL CIRCUITS DISRUPTED BY ANY DEMOLITION.
- L. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- M. REMOVE ALL WIRING, CONDUIT, WIRING SYSTEMS AND EQUIPMENT MADE OBSOLETE BY DEMOLITION. ANY EXISTING CONDUIT SYSTEM THAT CAN BE REUSED IN PLACE IN THE NEW WORK MAY BE REUSED PROVIDED IT IS IN A CONDITION ACCEPTABLE TO THE ARCHITECT.
- N. PROVIDE NEW PANELBOARD DIRECTORY CARD IN EXISTING PANELBOARDS AS REQUIRED AFTER DEMOLITION/REWORKING OF EXISTING CIRCUITS.
- O. ALL LIGHTING FIXTURES WHICH ARE TO BE RELOCATED SHALL BE CLEANED AND RE-LAMPED.
- P. DEMOLITION INCLUDES REMOVAL OF ALL ITEMS NECESSARY TO FACILITATE THE NEW CONSTRUCTION, WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
- Q. ALL UTILITIES DEMOLISHED SHALL BE COMPLETELY REMOVED AND/OR CAPPED, ALL FINISHES TO REMAIN THAT ARE DISTURBED SHALL BE REPAIRED TO MATCH EXISTING.

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DRAWING NOTES

- 90.01 REMOVE EXISTING DOOR AND HARDWARE AND PREPARE FOR RELOCATION. DEMOLISH FRAME ASSEMBLY AND PREPARE OPENING FOR NEW INFILL.
- 90.02 DEMOLISH PORTION OF EXISTING WALL IN PREPARATION FOR NEW WALL, DOOR, AND FRAME ASSEMBLY.
- 90.03 DEMOLISH EXISTING WALL, DOOR AND FRAME ASSEMBLY ENTIRELY AND PREPARE FOR NEW WORK.
- 90.04 DEMOLISH EXISTING DOOR AND FRAME ASSEMBLY AND PREPARE OPENING FOR NEW INFILL.
- 90.05 DEMOLISH PORTION OF EXISTING WALL FOR NEW DOOR AND FRAME ASSEMBLY.
- 90.06 DEMOLISH EXISTING WALL ASSEMBLY ENTIRELY AND PREPARE FOR NEW WORK.
- 90.07 DEMOLISH EXISTING CASEWORK ASSEMBLY ENTIRELY.
- 90.11 DEMOLISH EXISTING FLOORING AND BASE AND PREPARE SUBFLOOR FOR NEW WORK.
- 90.12 DEMOLISH EXISTING STOREFRONT WINDOW AND FRAME AND PREPARE FOR NEW WORK.

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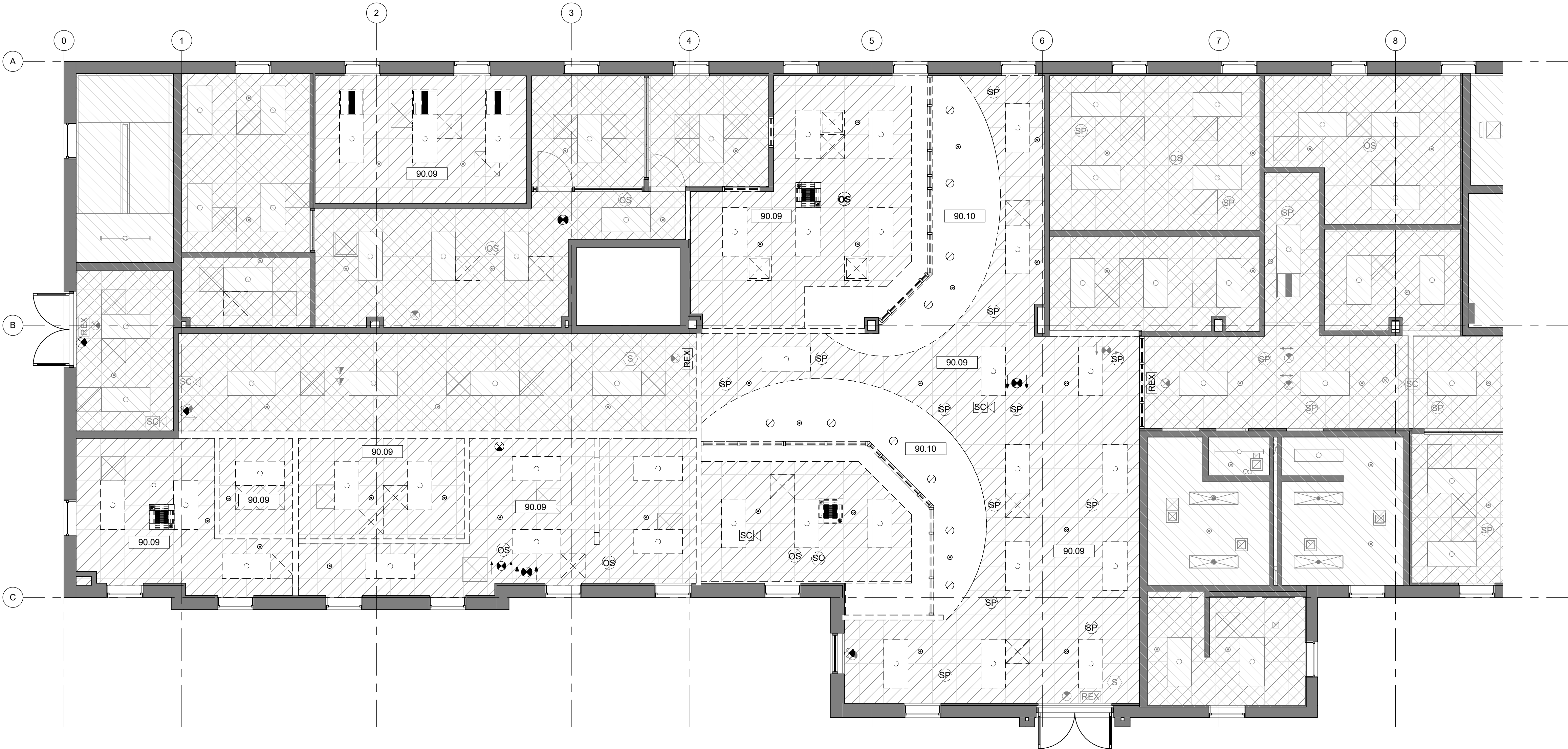
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Drawing

DEMOLITION PLAN

AD1.01

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1 DEMOLITION REFLECTED CEILING PLAN
AD2.01 3/16" = 1'-0"

GENERAL DEMOLITION NOTES

- A. ALL HAZARDOUS MATERIALS SHALL BE REMOVED PRIOR TO START OF CONSTRUCTION UNDER SEPARATE CONTRACT.
- B. ALL MATERIALS THAT HAVE BEEN DEMOLISHED SHALL BE REMOVED IMMEDIATELY AND DISPOSED OF PROPERLY. NO DEMOLISHED MATERIALS SHALL BE STOCKPILED ON SITE.
- C. PROTECT OWNER'S PROPERTY AND PERSONS AT ALL TIMES.
- D. ANY ITEMS NOT SHOWN TO BE DEMOLISHED THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
- E. COORDINATE ANY SYSTEMS SHUTDOWNS WHICH MAY BE REQUIRED WITH THE OWNER.
- F. PRIOR TO COMMENCING WITH THE DEMOLITION, THE CONTRACTOR SHALL ASCERTAIN FROM THE OWNER WHETHER OR NOT THE OWNER WISHES TO RETAIN ANY ITEMS. ANY SUCH ITEMS SHALL BE REMOVED WITH CARE SO AS TO PREVENT UNNECESSARY DAMAGE AND TURNED OVER TO THE OWNER.
- G. THE CONTRACTOR SHALL CONTROL AND LIMIT DUST RESULTING FROM DEMOLITION AND PREVENT THE SPREAD OF DUST TO THE REMAINING BUILDING.
- H. BURNING ON THE SITE WILL NOT BE PERMITTED.
- I. EXPLOSIVES WILL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED.
- J. WHERE DAMPERS, CONDUIT, PIPING, ETC. ARE REMOVED FROM RATED WALLS, WALLS SHALL BE PATCHED AND SEALED TO MAINTAIN FIRE AND SMOKE RATING INTEGRITY OF WALLS.
- K. CONTRACTOR SHALL MAKE FUNCTIONAL ALL CIRCUITS DISRUPTED BY ANY DEMOLITION.
- L. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- M. REMOVE ALL WIRING, CONDUIT, WIRING SYSTEMS AND EQUIPMENT MADE OBSOLETE BY DEMOLITION. ANY EXISTING CONDUIT SYSTEM THAT CAN BE REUSED IN PLACE IN THE NEW WORK MAY BE REUSED PROVIDED IT IS IN A CONDITION ACCEPTABLE TO THE ARCHITECT.
- N. PROVIDE NEW PANELBOARD DIRECTORY CARD IN EXISTING PANELBOARDS AS REQUIRED AFTER DEMOLITION/REWORKING OF EXISTING CIRCUITS.
- O. ALL LIGHTING FIXTURES WHICH ARE TO BE RELOCATED SHALL BE CLEANED AND RE-LAMPED.
- P. DEMOLITION INCLUDES REMOVAL OF ALL ITEMS NECESSARY TO FACILITATE THE NEW CONSTRUCTION, WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
- Q. ALL UTILITIES DEMOLISHED SHALL BE COMPLETELY REMOVED AND/OR CAPPED, ALL FINISHES TO REMAIN THAT ARE DISTURBED SHALL BE REPAIRED TO MATCH EXISTING.

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DRAWING NOTES

- 90.09 EXISTING ACOUSTICAL CEILING TILES SHALL BE CAREFULLY REMOVED AND STORED FOR REUSE IN NEW CONSTRUCTION. DEMOLISH ALL EXISTING CEILING GRID. ANY CEILING TILES DAMAGED DURING DEMOLITION OR OTHERWISE DEEMED UNSUITABLE FOR REUSE SHALL BE REPLACED WITH NEW TILES MATCHING THE EXISTING. REPLACEMENT OF DAMAGED TILES SHALL BE INCLUDED AS PART OF THE ALLOWANCE. REMOVE AND STORE EXISTING LIGHT FIXTURES FOR REUSE IN NEW CONSTRUCTION. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. REMOVE EXISTING DIFFUSERS AND RETURNS AND REPLACE WITH NEW. REFER TO MECHANICAL DRAWINGS. SALVAGE ALL EXISTING AUDIOVISUAL EQUIPMENT, SECURITY EQUIPMENT, EXIT SIGNS, SMOKE DETECTORS, AND FIRE ALARM DEVICES FOR REUSE. PROTECT EXISTING SPRINKLER HEADS AND PIPING DURING DEMOLITION AND MODIFY AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. REFER TO MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 90.10 DEMOLISH EXISTING GYPSUM BOARD CEILING IN PREPARATION FOR NEW WORK.

DEMOLITION REFLECTED
CEILING PLAN LEGEND

- CEILING TILE AND GRID TO BE REMOVED
- CEILING TILE AND GRID TO REMAIN
- 2x4 TROFFER LIGHT FIXTURE TO BE REMOVED
- 2x4 TROFFER LIGHT FIXTURE TO REMAIN
- RECESSED DOWNLIGHT TO BE REMOVED
- SPEAKER TO BE REMOVED
- DIFFUSER TO BE REMOVED
- EXIT SIGN TO BE REMOVED
- SPINKLER HEAD TO BE ADJUSTED WITH NEW CEILING ARRANGEMENT

Project



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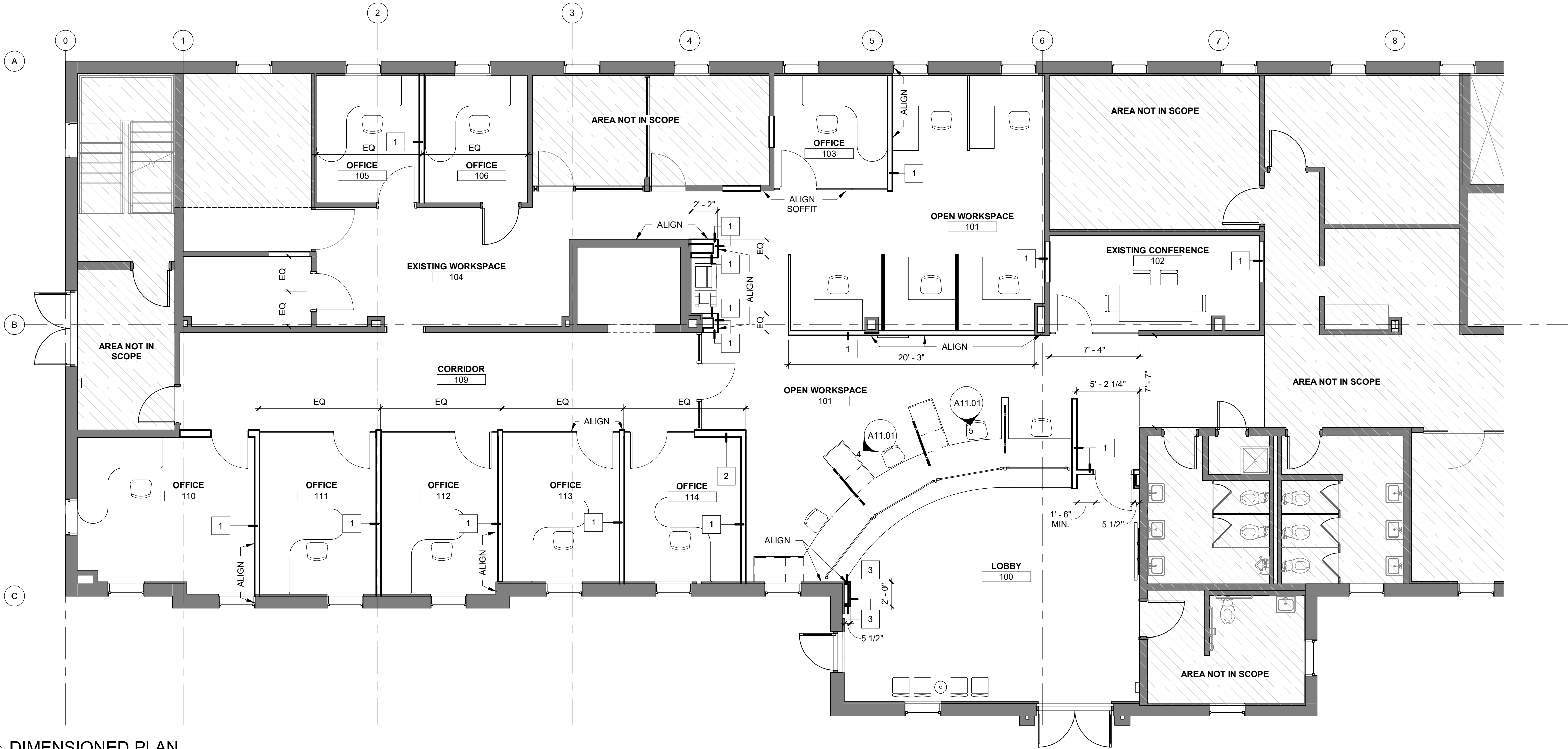
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B 08 JUN 2026 ISSUE FOR BID

Drawing

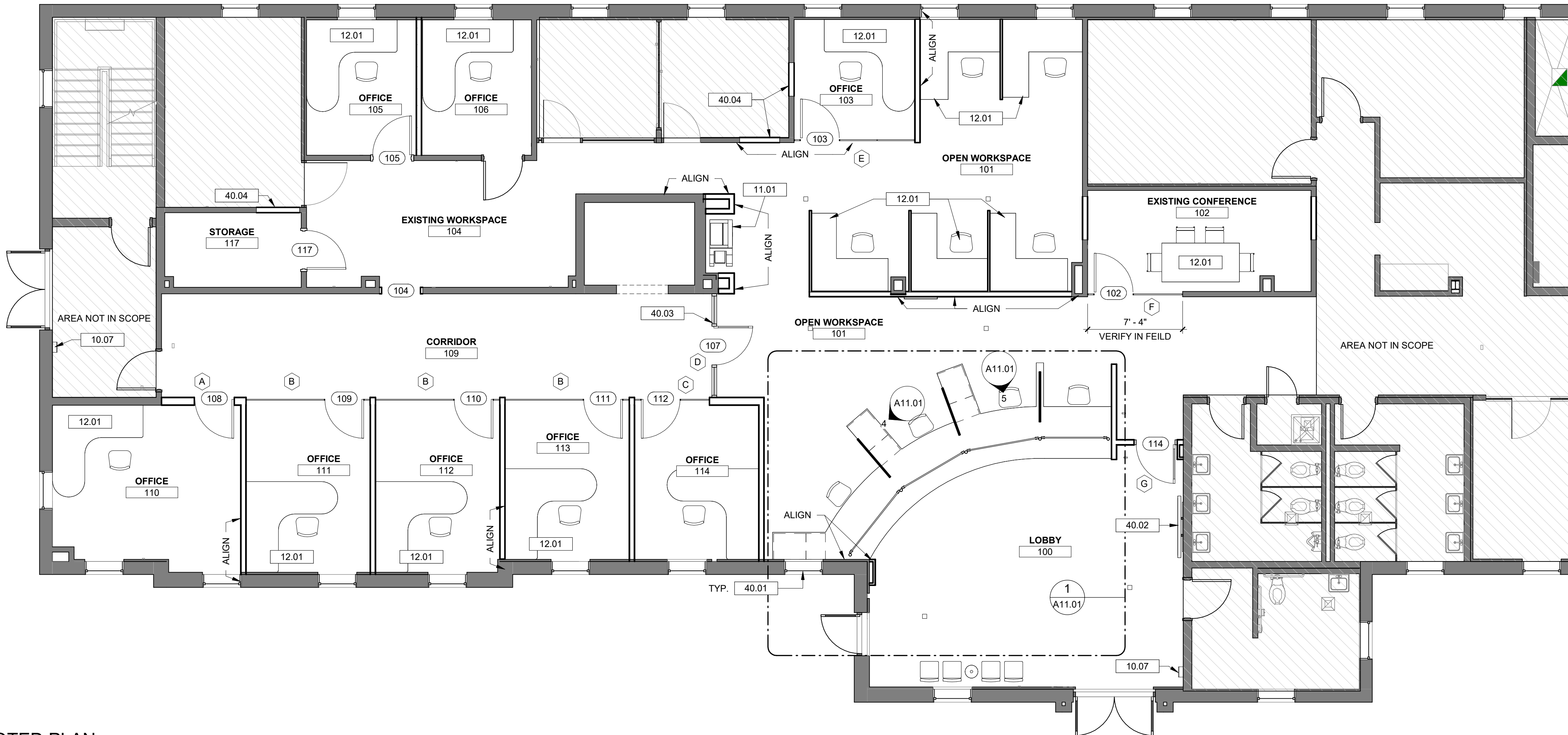
DEMOLITION
REFLECTED CEILING
PLAN

AD2.01

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1 DIMENSIONED PLAN
A1.01 3/16" = 1'-0"



2 NOTED PLAN
A1.01 3/16" = 1'-0"

GENERAL DIMENSION PLAN NOTES

- GENERAL CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND REPORT DISCREPANCIES IMMEDIATELY TO THE ARCHITECT.
- DIMENSIONS ARE TO CENTERLINE OF COLUMN LINES, FACE OF INTERIOR STUDS, FACE OF EXTERIOR WALL SHEATHING AND FACE OF MASONRY, UNLESS NOTED OTHERWISE.
- DOOR JAMBS ARE 6" NEAREST PERPENDICULAR WALL, UNLESS NOTED OTHERWISE.
- DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS FOR ALL MEASUREMENTS.

DRAWING NOTES

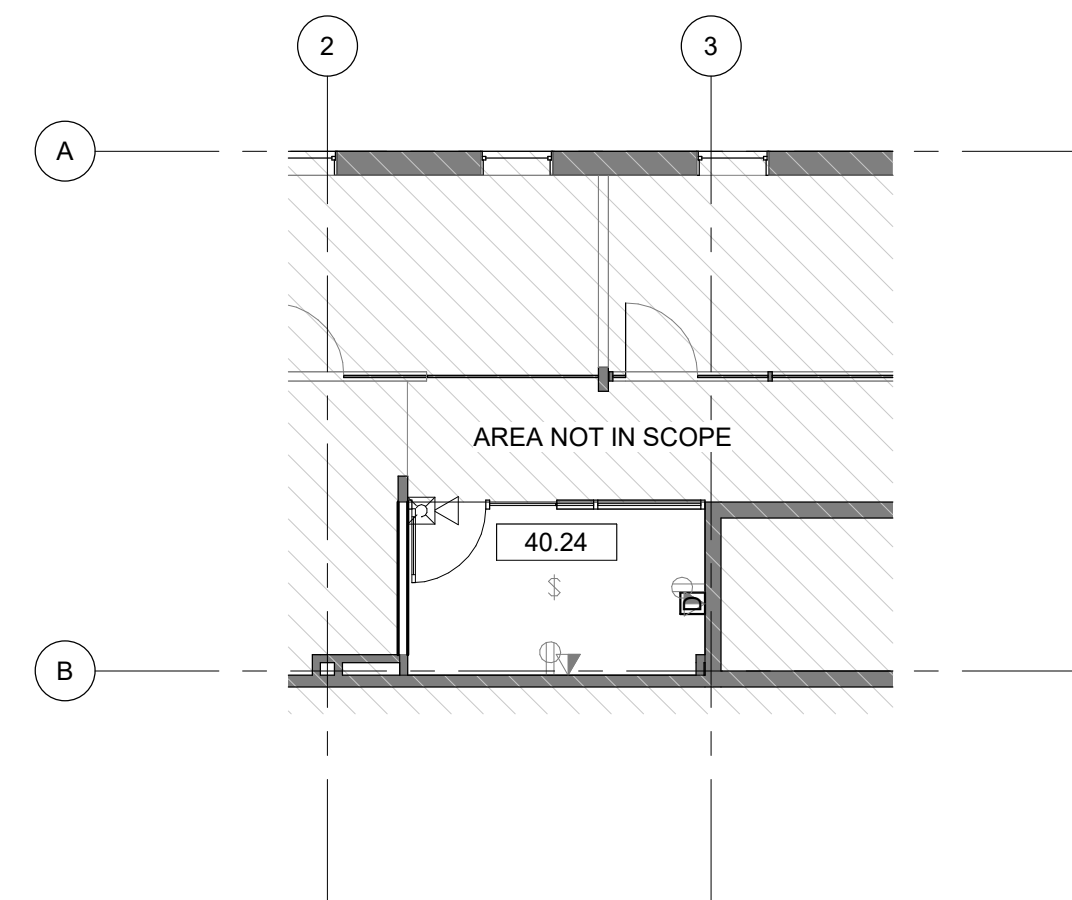
- 3 5/8 INCH METAL STUD FRAMING SYSTEM. REFER TO STRUCTURAL DRAWINGS.
- 6 INCH METAL STUD FRAMING SYSTEM. REFER TO STRUCTURAL DRAWINGS.
- 5/8 INCH GYPSUM WALL BOARD.
- SEMI-RECESSED FIRE EXTINGUISHER CABINET. MATCH EXISTING CABINET. CUT AND PATCH EXISTING WALL AS REQUIRED FOR FEC INSTALLATION. PAINT ENTIRE EFFECTED WALL FROM CORNER TO CORNER, CEILING TO FLOOR. REFER TO LIFE SAFETY PLAN FOR ALL LOCATIONS.
- PRINTER/COPIER. PROVIDED BY OWNER. REFER TO ELECTRICAL FOR POWER AND DATA REQUIREMENTS.
- FURNITURE TO BE PROVIDED BY OWNER INSTALLED BY CONTRACTOR.
- EXISTING BLINDS TO REMAIN. PROTECT DURING ALL PHASES OF CONSTRUCTION.
- RELOCATED TV. PROTECT DURING ALL PHASES OF CONSTRUCTION. PROVIDED BY TENANT AND INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE BLOCKING AND COORDINATE FINAL LOCATION WITH TENANT. REFER TO ELECTRICAL DRAWINGS FOR POWER AND DATA.
- NEW STOREFRONT TO REPLACE DEMOLISHED WALL AND DOOR.
- FILL IN WALL TO MATCH EXISTING ADJACENT CONSTRUCTION. MATCH EXISTING OR ADJACENT PAINT FINISH. PAINT ENTIRE AFFECTED WALL FROM FLOOR TO CEILING AND CORNER TO CORNER.
- SCOPE FOR OFFICE INCLUDES MECHANICAL ONLY. REFER TO MECHANICAL DRAWINGS.

WALL TYPE LEGEND

- 5/8 INCH GYPSUM WALL BOARD.
3 5/8 INCH METAL STUD FRAMING SYSTEM. REFER TO STRUCTURAL DRAWINGS.
BATT INSULATION.
5/8 INCH GYPSUM WALL BOARD.
- 5/8 INCH GYPSUM WALL BOARD.
6 INCH METAL STUD FRAMING SYSTEM. REFER TO STRUCTURAL DRAWINGS.
BATT INSULATION.
5/8 INCH GYPSUM WALL BOARD.
- 5/8 INCH GYPSUM WALL BOARD.
1 1/2" METAL STUD FRAMING SYSTEM.

FLOOR PLAN LEGEND

- X WALL TYPE
- X WINDOW TYPE
- 101 DOOR TYPE



3 2ND FLOOR
A1.01 1/8" = 1'-0"



Seal

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Project



YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION

Project Number 26102
Drawn By LMG
Checked By MTP
Date 8 JUN 2026

Revisions

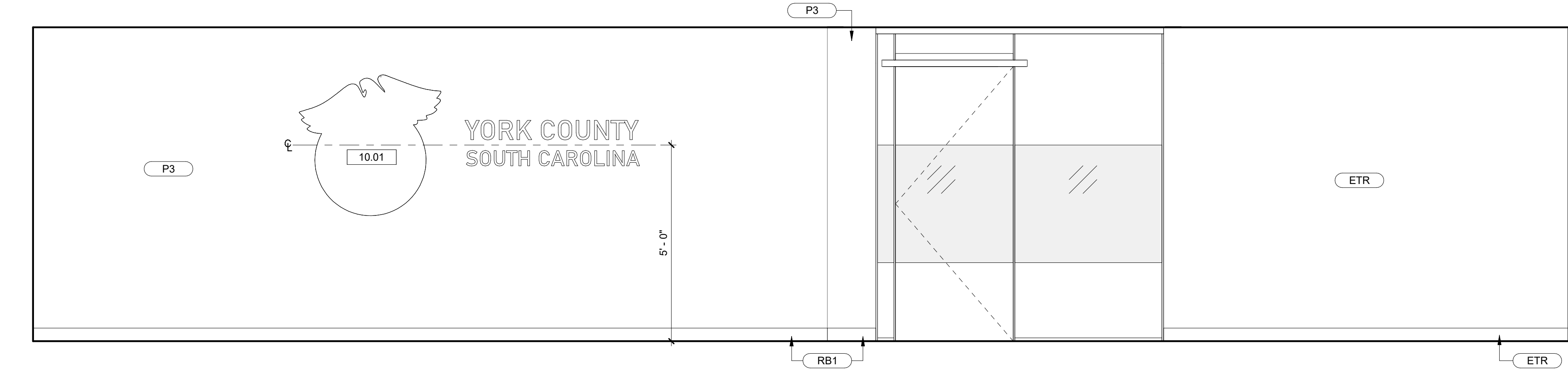
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DIMENSION AND
NOTED FLOOR
PLANS

A1.01

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1 ELEVATION AT OPEN WORKSPACE NORTH
A6.01 1/2" = 1'-0"

DRAWING NOTES

10.01 BRANDING/LOGO PROVIDED BY OWNER. PLACEMENT TO BE FIELD VERIFIED AND COORDINATED WITH OWNER.

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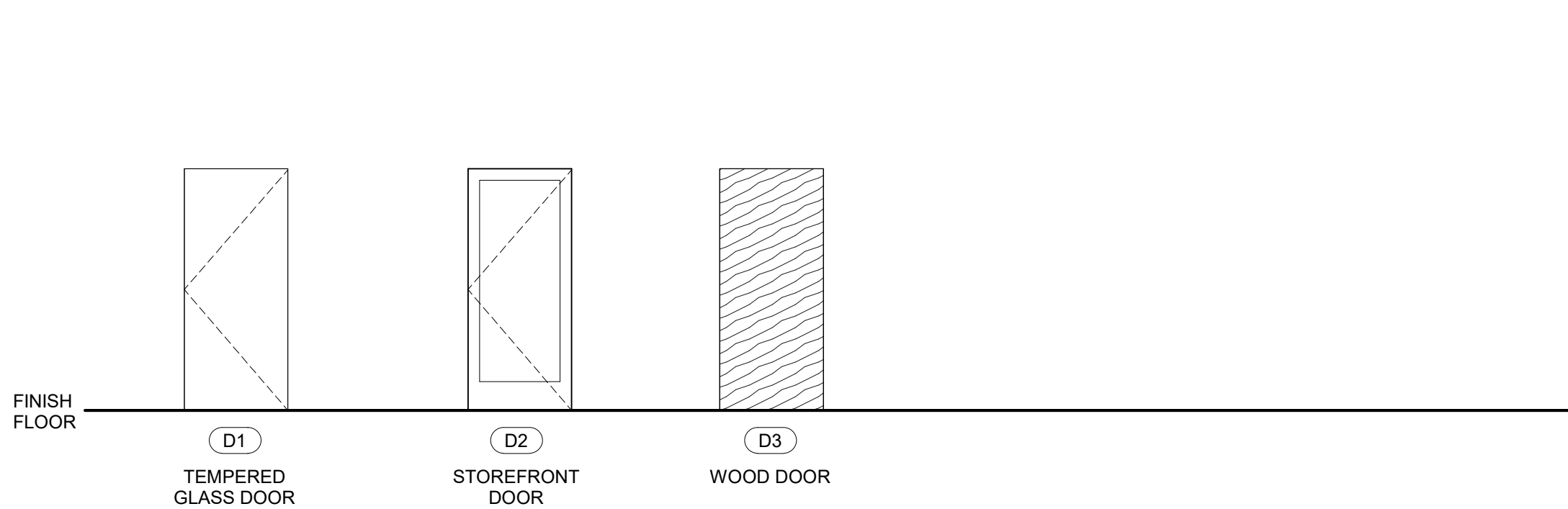
INTERIOR
ELEVATIONS

A6.01

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DOOR SCHEDULE										
T	LOCATION	TYPE	HEIGHT	WIDTH	DOOR MATERIAL	RATING	HARDWARE SET	FRAME TYPE	FRAME MATERIAL	COMMENTS
102	EXISTING CONFERENCE	D1	7'-0"	3'-0"	AL/GL		2			
103	OFFICE	D1	7'-0"	3'-0"	AL/GL		1			
104	EXISTING WORKSPACE	-	7'-0"	3'-0"	-		-	DF1	HM	FRAMED OPENING
105	OFFICE	D3	7'-0"	3'-0"	WD		1	DF1	HM	
107	CORRIDOR	D2	7'-0"	3'-0"	AL/GL		2			
108	OFFICE	D1	7'-0"	3'-0"	AL/GL		1			
109	OFFICE	D1	7'-0"	3'-0"	AL/GL		1			
110	OFFICE	D1	7'-0"	3'-0"	AL/GL		1			
111	OFFICE	D1	7'-0"	3'-0"	AL/GL		1			
112	OFFICE	D1	7'-0"	3'-0"	AL/GL		1			
114	LOBBY	D3	7'-0"	3'-0"	AL/GL		3			CARD READER
117	STORAGE	-	7'-0"	3'-0"	-		-	DF1	HM	EXISTING DOOR AND HARDWARE; NEW FRAME

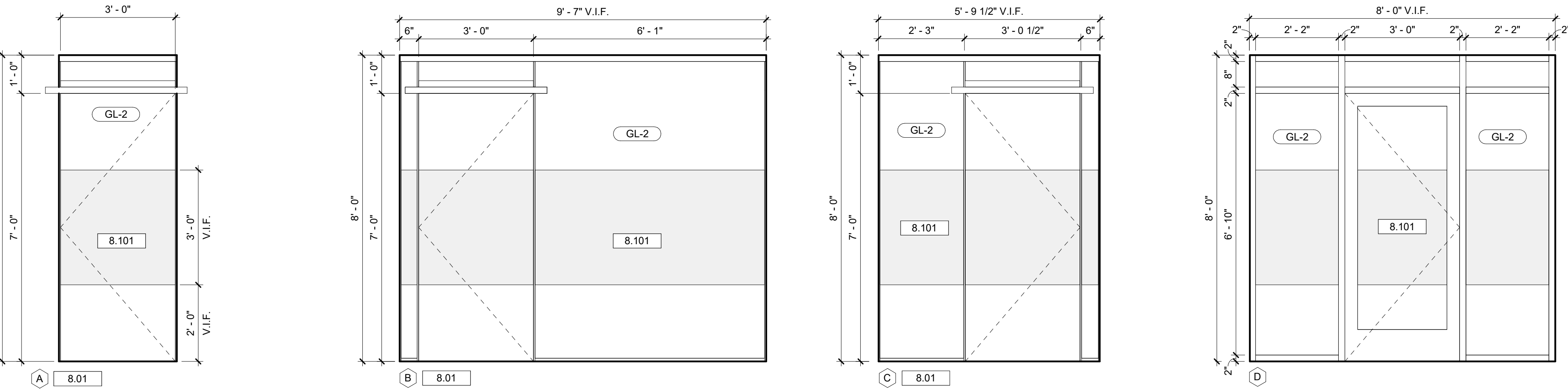
HARDWARE SCHEDULE		
QUANTITY	ITEM	MANUFACTURER AND MODEL
HARDWARE SET 1 - OFFICE FUNCTION		
1	PIVOTING HINGE	DORMA PIVOTING HENGTH AND CASING; MATCH EXISTING
1	BAR PULL	ASSA ABLOY OR EQUAL; MODEL: AAP201; LENGTH MATCH EXISTING; SATIN STAINLESS STEEL
HARDWARE SET 2 - PASSAGE FUNCTION		
3	BALL BEARING BUTT HINGE	IVES - FINISH: SATIN STAINLESS STEEL
1	BAR PULL	ASSA ABLOY OR EQUAL; MODEL: AAP201; LENGTH MATCH EXISTING; SATIN STAINLESS STEEL
1	WALL STOP	IVES
3	SILENCERS	IVES SR64 (GREY)
HARDWARE SET 3 - CLASSROOM FUNCTION - ACCESS CONTROL		
3	BALL BEARING BUTT HINGE	IVES - FINISH: SATIN STAINLESS STEEL
1	CLOSER	LCN - MODEL NUMBER: 4030 CLOSER SERIES - FINISH: SATIN STAINLESS STEEL
1	CLASSROOM FUNCTION LOCKSET	SCHLAGE ADA LEVER; MATCH EXISTING
1	PANIC DEVICE	VON DUPRIN - MODEL #75 - FINISH: SATIN STAINLESS STEEL
7	CARD READER	BY OWNER
1	WALL STOP	IVES
3	SILENCERS	IVES SR64 (GREY)



DOOR TYPE LEGEND

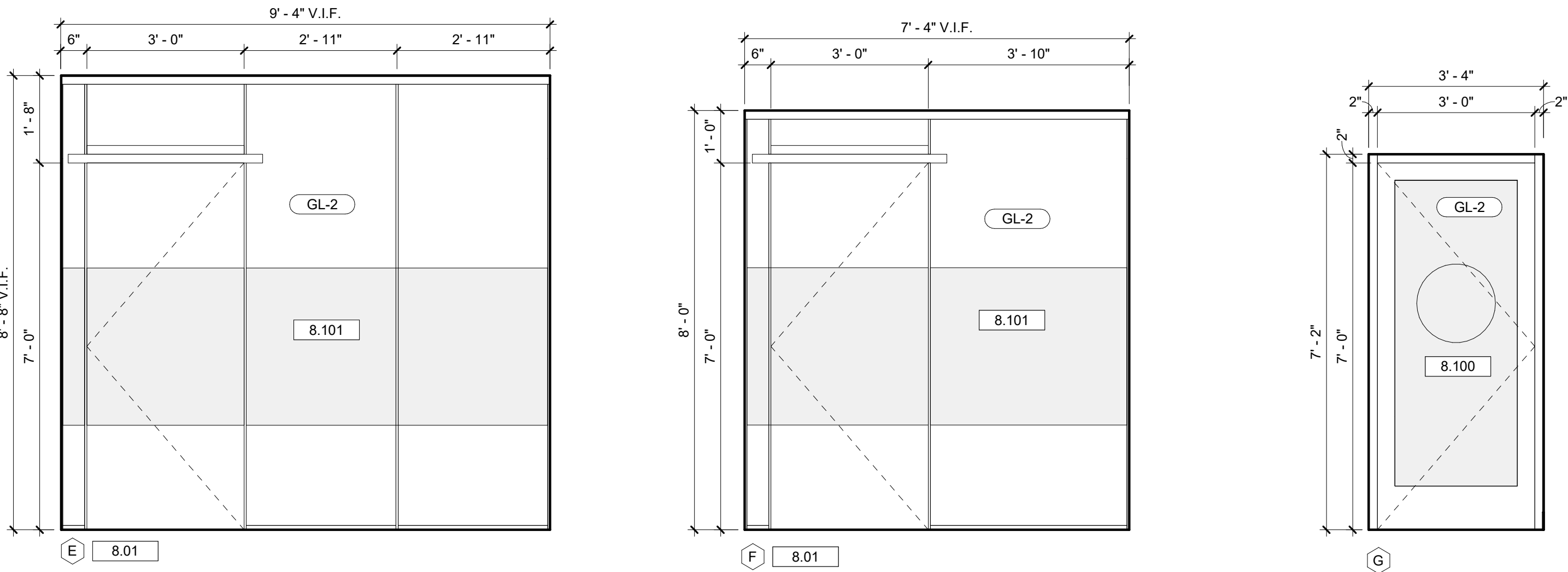


FRAME TYPE LEGEND



STOREFRONT ELEVATIONS

1/2" = 1'-0"



STOREFRONT ELEVATIONS

1/2" = 1'-0"

GENERAL DOOR AND WINDOW NOTES

- A. PROVIDE TEMPERED GLAZING WHERE REQUIRED BY CODE.
- B. ALL INTERIOR GLAZING TO BE 1/4" CLEAR GLAZING
- C. KEYING TO BE DETERMINED BY OWNER.
- D. GENERAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS.
- E. ALL NEW ALUMINUM FRAMING AND GLAZING TO MATCH EXISTING.

DRAWING NOTES

- 8.01 NEW STOREFRONT TO MATCH EXISTING OFFICE STOREFRONT. VERIFY IN FIELD MULLION, GLASS GAP, AND DOOR HEADER DIMENSIONS.
- 8.100 FROSTED GLASS FILM WITH COUNTY LOGO.
- 8.101 FROSTED GLASS FILM TO MATCH EXISTING STOREFRONT. FILM SHALL BE 3M FASARA™ FINE CRYSTAL OR APPROVED EQUAL. SUBMIT MANUFACTURER'S PRODUCT DATA AND SAMPLE TO ARCHITECT AND OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

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GLAZING TYPE LEGEND

- GL-2
- 1/4" CLEAR TEMPERED GLASS.
- TYP. ALL INTERIOR STOREFRONT & DOORS, U.N.O.

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Project



YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION

Project Number 26102
Drawn By LMG
Checked By MTP
Date 8 JUN 2026

Revisions

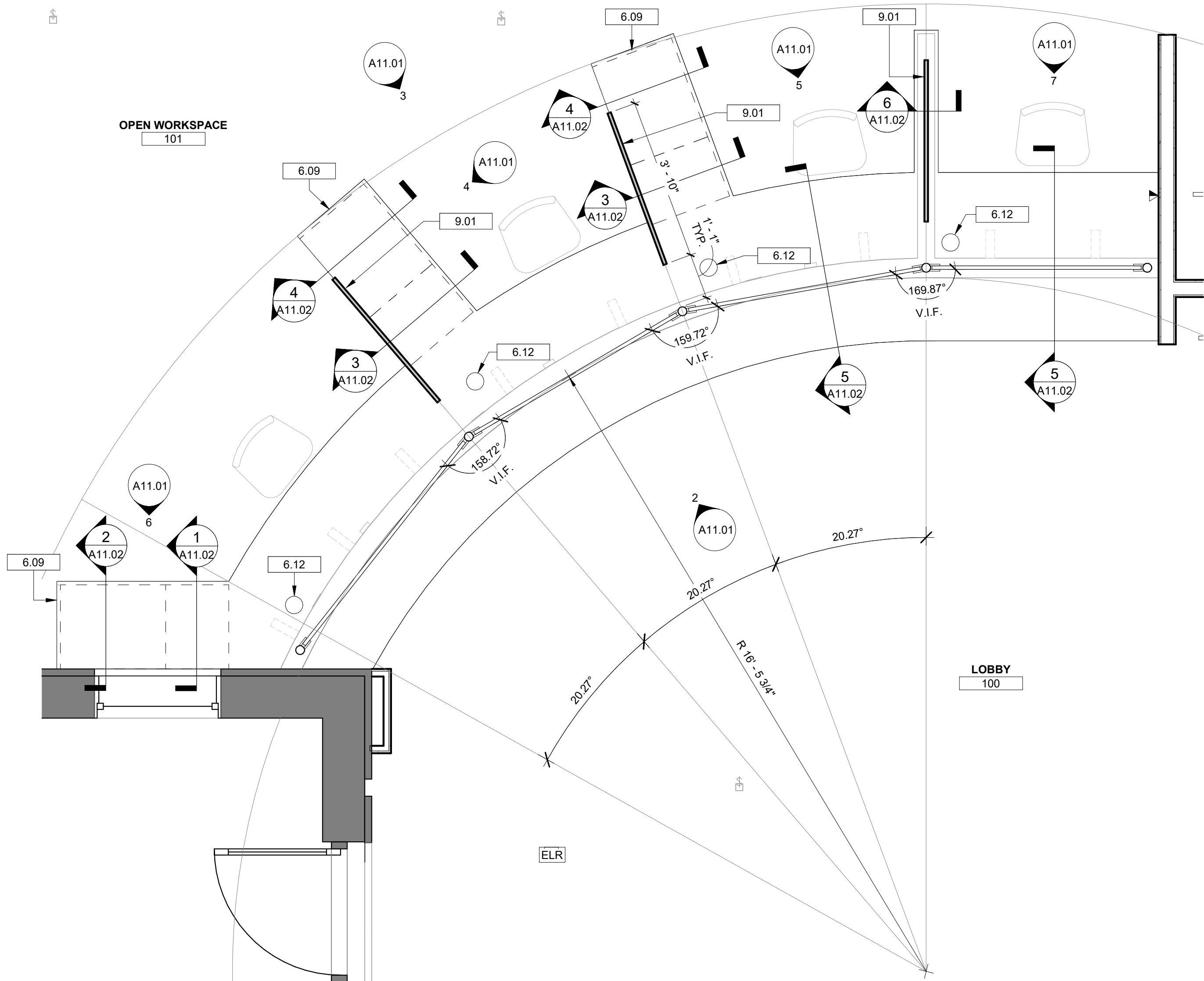
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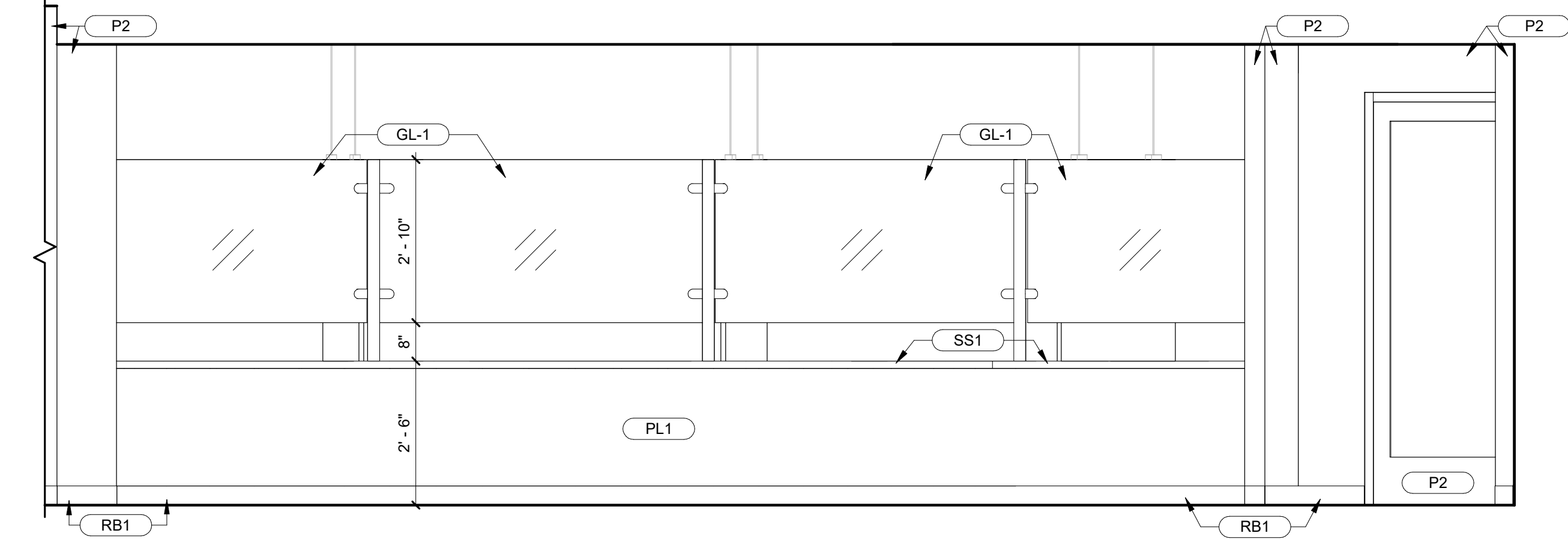
DOOR SCHEDULE,
HARDWARE
SCHEDULE, DOOR
LEGEND

A10.01

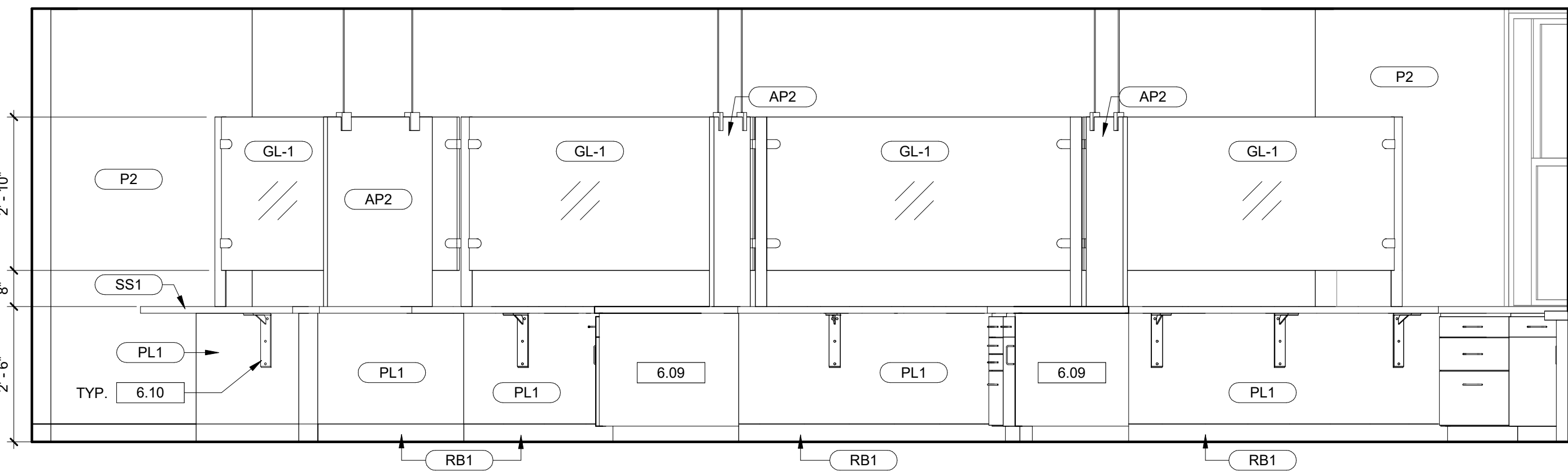
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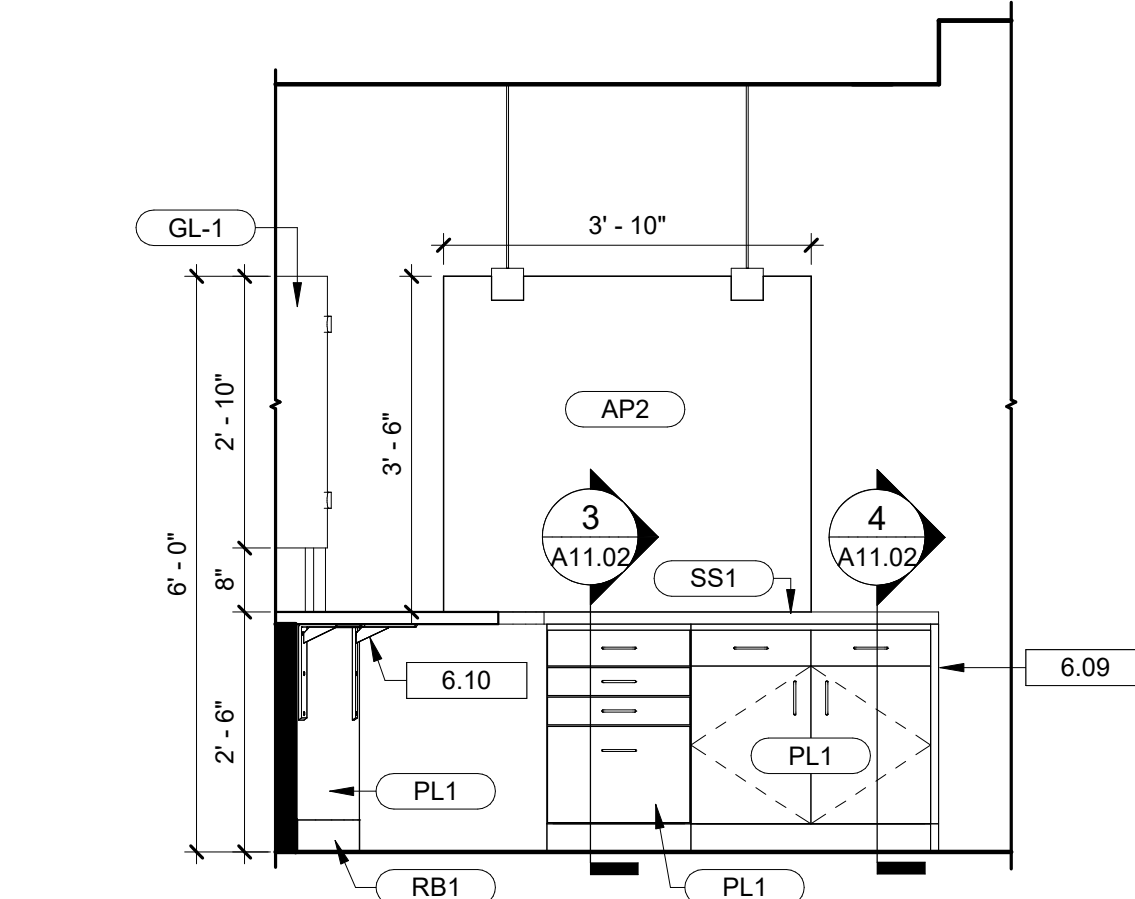
1 1ST FLOOR - ENLARGED LOBBY COUNTER
A11.01 1/2" = 1'-0"



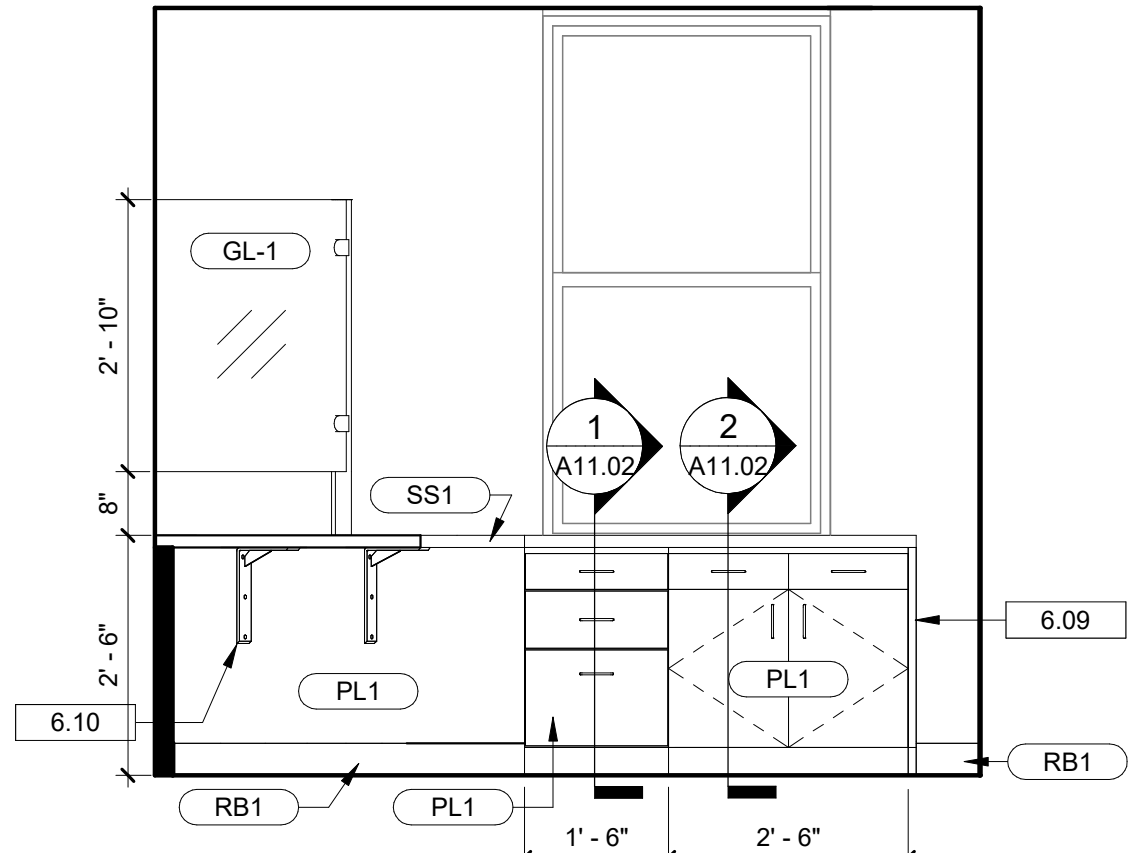
2 LOBBY ELEVATION NORTHWEST
A11.01 1/2" = 1'-0"



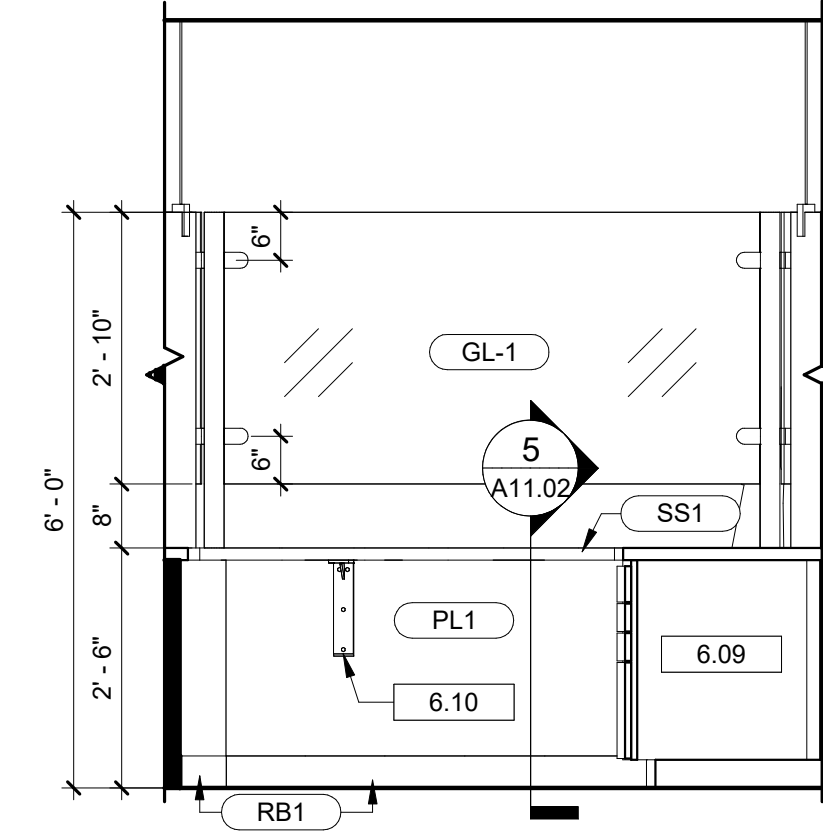
3 OPEN WORKSPACE ELEVATION SOUTHEAST
A11.01 1/2" = 1'-0"



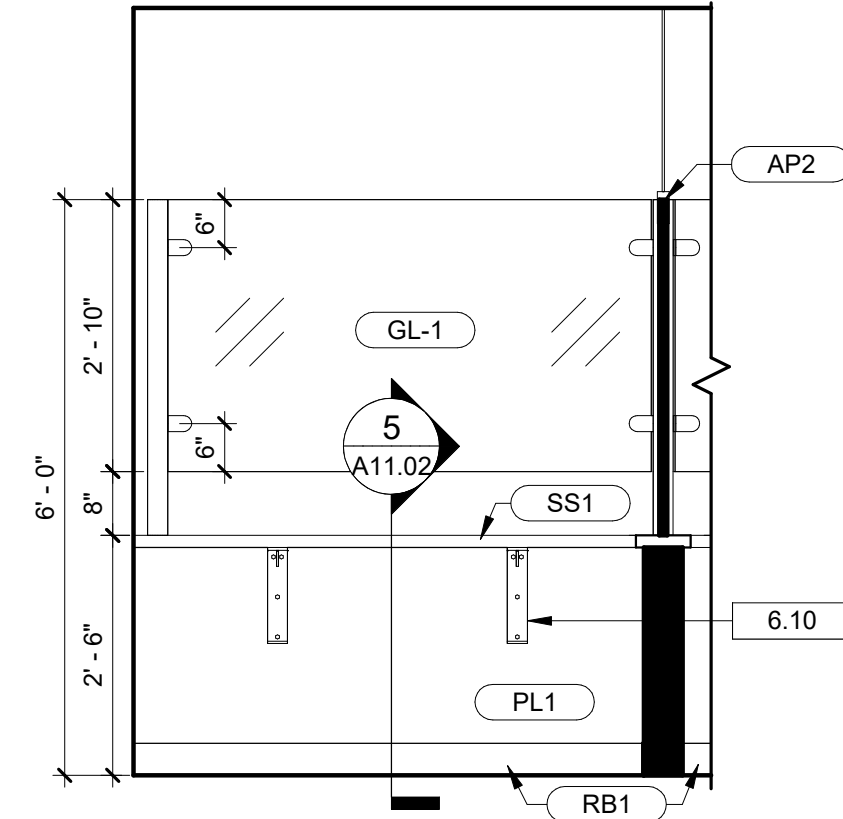
4 TYPICAL MILLWORK ELEVATION 1
A11.01 1/2" = 1'-0"



6 MILLWORK ELEVATION AT WALL
A11.01 1/2" = 1'-0"



5 TYPICAL MILLWORK ELEVATION 2
A11.01 1/2" = 1'-0"



7 ADA MILLWORK ELEVATION
A11.01 1/2" = 1'-0"

GENERAL CASEWORK NOTES

- THE CONTRACTOR SHALL VERIFY AND COORDINATE CLEAR DIMENSIONS REQUIRED FOR EQUIPMENT WHICH IS LOCATED WITHIN OR ADJACENT TO ANY PIECE OF CASEWORK (REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS).
- CASEWORK DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO UNIT FABRICATION AND INSTALLATION.
- COUNTERTOPS, UNLESS OTHERWISE NOTED, SHALL HAVE A 4" HIGH BACKSPLASH AND SIDE SPLASH SCRIBED TO CONFORM TO THE SURFACE OF ABUTTING WALLS AT BACKS AND ENDS. COUNTERTOPS AND BACKSPLASHES SHALL BE CAULKED TO THE WALL.
- CASEWORK FABRICATOR AND INSTALLER SHALL COORDINATE WITH APPROPRIATE SUBCONTRACTORS FOR INSTALLATION OF PLUMBING FIXTURES AND EQUIPMENT WITH ASSOCIATED PIPING AND FITTINGS, AND FOR INSTALLATION OF ELECTRICAL RECEPTACLES, LIGHT FIXTURES, ETC. WITHIN THE CASEWORK.
- PROVIDE WALL MOUNTED ANGLE SUPPORTS (FINISH TO MATCH THE COLOR AND MATERIAL OF ADJACENT CASEWORK) WHERE NECESSARY FOR SUPPORT OF COUNTERTOPS ABOVE KNEE SPACES.
- PROVIDE SCHEDULED BASE ALONG BOTTOM OF EXPOSED FRONTS, BACKS, SIDES, AND ENDS OF ALL AFFIXED CASEWORK, VERTICAL SUPPORTS, KNEE SPACES, ETC. (U.N.O.)
- PROVIDE CONCEALED BLOCKING FOR MOUNTING OF ALL SHELVING, HOOKS, DISPENSERS, ETC.
- ALL OPENINGS IN COUNTERS SHALL BE CUT IN, NOT SEAMED.

FURNISHING SYMBOL LEGEND

?	NOTE TAG
11	EQUIPMENT/ ACCESSORY
?	FINISH TAG
M1	FURNITURE/ MILLWORK TAG

DRAWING NOTES

- 6.09 PLASTIC LAMINATE END PANEL.
6.10 UNDERCOUNTER BRACKETS.
6.12 GROMMET HOLE. CONTRACTOR TO FIELD VERIFY AND COORDINATE EXACT LOCATION WITH CLIENT PRIOR TO FABRICATION. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL FROM ARCHITECT PRIOR TO INSTALLATION. MOCKETT 2 1/2" SATIN CHROME CAP AND LINER.
9.01 ACOUSTICAL HANGING DIVIDER. INSTALL BASE AND HANGERS PER MANUFACTURER'S INSTRUCTIONS. REFER TO FINISH LEGEND.

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Project



**YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION**

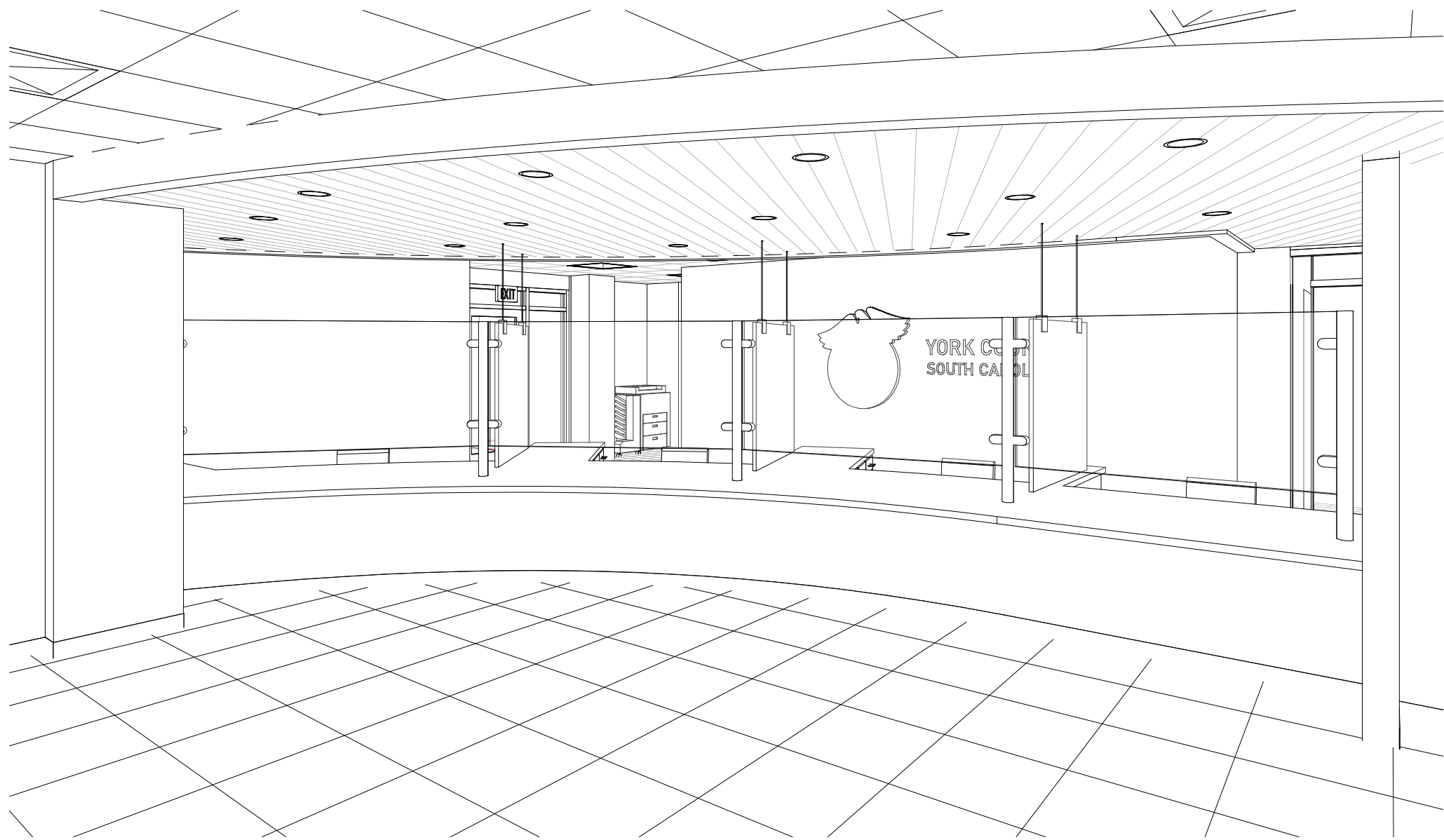
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Date 8 JUN 2026

Revisions

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Drawing

**MILLWORK PLANS
AND ELEVATIONS**



REFERENCE IMAGE ONLY

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ROOM FINISH SCHEDULE												
NUMBER	NAME	FLOOR LEVEL	FLOOR		WALLS				CEILING	MILLWORK		
			FINISH	BASE	NORTH	SOUTH	WEST	EAST		CABINETRY	COUNTERTOP	
100	LOBBY	1ST FLOOR	LVT1	RB1	P2	P1	P1, P2	P1, P2	ACT1, AP1, P2	PL1	SS1	
101	OPEN WORKSPACE	1ST FLOOR	CPT1	RB1	P1, P3	P2	P1	P1	ACT1, AP1, P2	PL1	SS1	
102	EXISTING CONFERENCE	1ST FLOOR	CPT1	RB1	ETR	ETR	ETR	ETR	ETR			
103	OFFICE	1ST FLOOR	CPT1	RB1	P1	P1	P1	P1	ACT1			
104	EXISTING WORKSPACE	1ST FLOOR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			
105	OFFICE	1ST FLOOR	ETR	ETR	ETR	ETR	ETR	P1	ACT1			
106	OFFICE	1ST FLOOR	ETR	ETR	ETR	ETR	P1	ETR	ACT1			
107	EXISTING OFFICE	1ST FLOOR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			
108	EXISTING OFFICE	1ST FLOOR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			
109	CORRIDOR	1ST FLOOR	ETR	ETR	ETR	ETR	ETR	ETR	ETR			
110	OFFICE	1ST FLOOR	CPT1	RB1	P1	P1	P1	P1	ACT1			
111	OFFICE	1ST FLOOR	CPT1	RB1	P1	P1	P1	P1	ACT1			
112	OFFICE	1ST FLOOR	CPT1	RB1	P1	P1	P1	P1	ACT1			
113	OFFICE	1ST FLOOR	CPT1	RB1	P1	P1	P1	P1	ACT1			
114	OFFICE	1ST FLOOR	CPT1	RB1	P1	P1	P1	P1	ACT1			
117	STORAGE	1ST FLOOR										

INTERIOR FINISH LEGEND

ACOUSTICAL CEILING TILE
ACT1 MFTG: MATCH EXISTING
PRODUCT: MATCH EXISTING
TYPE: MATCH EXISTING
COLOR: WHITE
FINISH: MATCH EXISTING
SIZE: 2' X 2'
LOCATION: FIELD UNLESS OTHERWISE NOTED

ACOUSTICAL PANEL
AP1 MFTG: MPS ACOUSTICS
PRODUCT: WANDER
PATTERN: HORIZONTAL WALL AND CEILING
COLOR: VISTA WALNUT 65
THICKNESS: 1/8"
PANEL SIZE: 42" X 81"
LOCATION: LOBBY CEILING
CONTACT: MICHAEL GALLERY -
MGALLERY@MRGSE.COM, 803.600.4330
AP2 MFTG: MPS ACOUSTICS
PRODUCT: ADDO
PATTERN: CUSTOM - SOLID
COLOR: SLATE 33
PANEL SIZE: CUSTOM - 72" H X 46"W
LOCATION: DESKING DIVIDERS
CONTACT: MICHAEL GALLERY -
MGALLERY@MRGSE.COM, 803.600.4330

CARPET
CPT1 MFTG: SHAW CONTRACT
COLLECTION: OPEN WORK
STYLE: KASURI
COLOR: GALVANIZED
SIZE: 24" X 24"
INSTALLATION: QUARTER TURN
CONTACT: JEANNINE HILL -
JEANNINE.HILL@SHAWCONTRACT.COM, 864.421.7218

INTERIOR FINISH LEGEND

EXISTING TO REMAIN
ETR EXISTING TO REMAIN
GLASS
GL1 MFTG: MERLIN INDUSTRIAL PRODUCTS LTD
PRODUCT: CUSTOM DESKTOP COUNTER SCREENS WITH
CUSTOM POSTS
SIZE: CUSTOM; REFER TO PLANS AND ELEVATIONS
FINISH: ARCHITECT TO APPROVE SAMPLE PRIOR TO
ORDERING/INSTALLING
NOTE: TO BE BASE MOUNTED ONLY
NOTE 2: CONTRACTOR TO SUBMIT SHOP DRAWING OF POST
ATTACHMENT, GLASS MOUNTING FOR APPROVEL PRIOR TO
FABRICATION
LOCATION: LOBBY, OPEN WORKSPACE

LUXURY VINYL TILE
LVT1 MFTG: SHAW CONTRACT
COLLECTION: EON & AMALGAM
STYLE: AMALGAM
COLOR: PUMICE
SIZE: 20" X 20"
INSTALLATION: MONOLITHIC
CONTACT: JEANNINE HILL -
JEANNINE.HILL@SHAWCONTRACT.COM, 864.421.7218

PAINT
CONTACT STEVEN GOODE -
STEVEN.GOODE@SHERWIN.COM; 980.207.9410
NOTE ALL METAL DOOR FRAMES TO BE PAINTED TO MATCH
ADJACENT WALL FINISH IN SEMI-GLOSS FINISH UNLESS
OTHERWISE NOTED.
P1 MFTG: SHERWIN WILLIAMS
COLOR: NATURAL CHOICE
CODE: SW 7011
FINISH: EG-SHEL

2 LOCATION: TYPICAL WALL PAINT

INTERIOR FINISH LEGEND

P2 MFTG: SHERWIN WILLIAMS
COLOR: DORIAN GRAY
CODE: SW 7017
FINISH: EG-SHEL
LOCATION: LOBBY COUNTERS
P3 MFTG: SHERWIN WILLIAMS
COLOR: UNCERTAIN GRAY
CODE: SW 6234
FINISH: EG-SHEL
LOCATION: LOGO WALL

PLASTIC LAMINATE
PL1 MFTG: WILSONART
PRODUCT: STANDARD LAMINATE
COLOR: STICKLEY OAK 17003K
FINISH: ALIGNED TEXTURE 57
LOCATION: LOBBY MILLWORK
CONTACT: SARAH HARRIS -
SARAH.HARRIS@WILSONART.COM

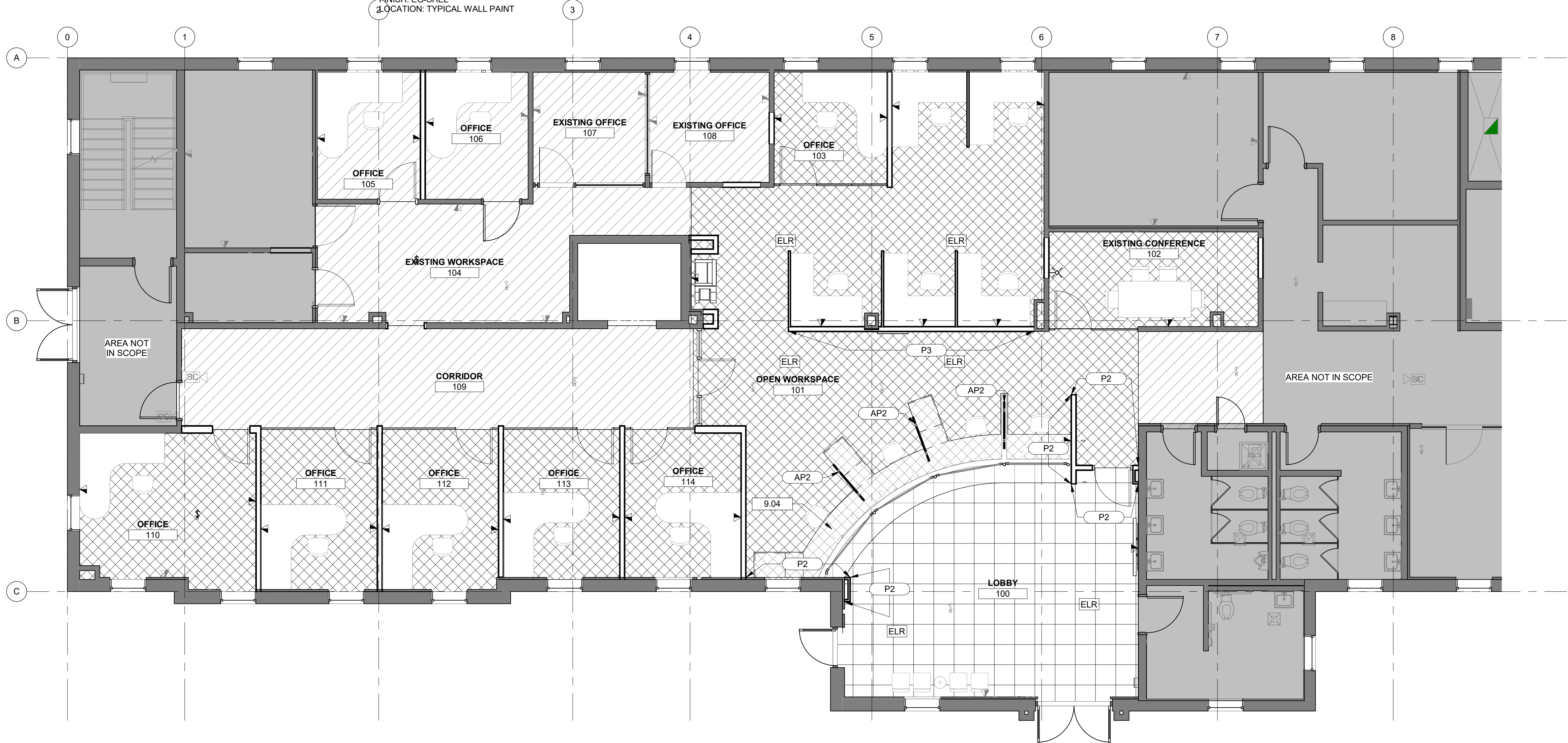
RESILIENT BASE
RB1 MFTG: ROPPE
PRODUCT: CONTOURS
STYLE: FASHION #85
CODE: PV4085
COLOR: BLACK BROWN 193
SIZE: 4 - 1/4" H
NOTE: MITER CUT ALL INSIDE AND OUTSIDE CORNERS
NOTE 2: ALL BASE TO TURM BACK AND ABUT STOREFRONT
LOCATION: FIELD WALL BASE
CONTACT: STEVE SLOAN -
SESLOAN@ROPPE.COM

INTERIOR FINISH LEGEND

SOLID SURFACE
SS1 MFTG: CORIAN
COLOR: ARTISTA CANVAS
NOTE: ALL CORNERS TO BE MITERED
LOCATION: LOBBY COUNTERTOPS
CONTACT: SUSAN CRONIN -
SCRONIN@HLLMARK.COM; 404.769.5646

TRANSITION STRIP
NOTE WHERE TRANSITION STRIPS ARE NOT CALLED OUT ENSURE
TRANSITIONS BETWEEN FLOORING TYPES ARE SMOOTH
AND CLEAN.

TS1 MFTG: SCHLUTER SYSTEMS
PRODUCT: VINPRO-S OR OTHER
COLOR: STAINLESS STEEL
NOTE: FLOORING CONTRACTOR TO PROPOSE SOLUTION
BASED ON ADJOINING FLOORING THICKNESS. COORDINATE
WITH ARCHITECT.
LOCATION: TO BE USED WHEN TRANSITIONING FROM LVT1
OR ETR TO CPT1



1 FINISH FLOOR PLAN
A12.01 3/16" = 1'-0"

GENERAL FINISH NOTES

- A. ALL INTERIOR FINISH SPECIFICATIONS AS REQUIRED OF THE ARCHITECT ARE INCLUDED HEREIN. SHOULD THERE BE DISCREPANCIES OR OMISSIONS, THE ARCHITECT IS TO BE CONSULTED BEFORE PROCEEDING. THE ARCHITECT IS NOT RESPONSIBLE FOR DISCREPANCIES OR OMISSIONS THAT ARISE DUE TO CHANGES BY THE CONTRACTOR, CONSULTANTS, OR OWNERS AFTER DATE OF DRAWINGS UNLESS NOTED AS A REVISION ON DRAWINGS.
- B. PROVIDE ALL FINISHES AND MATERIALS AS SPECIFIED IN THE FINISH LEGEND. NO SUBSTITUTIONS WILL BE ACCEPTED.
- C. SHOULD THERE BE ANY DISCONTINUED OR DELAYED MATERIALS, THE ARCHITECT / INTERIOR DESIGNER IS TO BE NOTIFIED IMMEDIATELY AND CONSULTED BEFORE PROCEEDING.
- D. IF ANY ITEMS ARE IDENTIFIED REQUIRING SELECTION NOT ADDRESSED IN THESE DRAWINGS, NOTIFY THE ARCHITECT / INTERIOR DESIGNER IMMEDIATELY AND PROVIDE SAMPLES OF COLOR/FINISH OPTIONS, CLEARLY IDENTIFYING ANY COST ABOVE BASE BID.
- E. PROVIDE SAMPLES AND SHOP DRAWINGS/SEAMING DIAGRAMS FOR ALL FINISHES FOR APPROVAL PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH WORK.
- F. IF ANY DEFECTS ARE DISCOVERED IN MATERIALS (SUCH AS SHADING INCONSISTENCIES, SEAM MISMATCHING, ETC), NOTIFY THE ARCHITECT / INTERIOR DESIGNER IMMEDIATELY. DO NOT PROCEED WITH WORK.
- G. TEST SUBSTRATES FOR APPROPRIATE MOISTURE LEVELS PRIOR TO INSTALLING MATERIALS.
- H. INSTALL ALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS/RECOMMENDATIONS AND INDUSTRY STANDARDS.
- I. PROTECT EXPOSED CONCRETE SLABS FROM MUD AND OIL STAINS. ALL STAINS MUST BE COMPLETELY REMOVED FROM CONCRETE.
- J. ALL FLOORING TRANSITIONS TO BE COMPLIANT WITH ADA AND LOCAL ACCESSIBILITY REQUIREMENTS. SHOULD REQUIREMENTS BE IN CONFLICT, THE MORE STRINGENT SHALL BE FOLLOWED.
- K. ALL FLOORING TRANSITIONS BETWEEN ROOMS TO OCCUR UNDER CENTERLINE OF DOOR IN CLOSED POSITION.
- L. IF SURFACES ARE NOT ACCEPTABLE TO RECEIVE FINISHES, CONTRACTOR SHALL HAVE SURFACES CORRECTED BEFORE BEGINNING FINISH APPLICATION.
- M. PRIME ALL SURFACES PRIOR TO APPLYING FINAL PAINT FINISHES.
- N. PAINT ALL VERTICAL AND HORIZONTAL SURFACES OF SOFFITS WITH SPECIFIED FINISH, UNLESS NOTED OTHERWISE.
- O. PROVIDE COLOR MATCHED CAULK AT CASEWORK, CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH WORK.
- P. PAINT 4'X4' AREAS IN SPECIFIED SPACES WITH ADEQUATE LIGHTING. FOR EACH COLOR SPECIFIED FOR APPROVAL BY THE ARCHITECT / INTERIOR DESIGNER PRIOR TO BEGINNING WORK. SAMPLE AREAS SHALL HAVE THE SAME FINISH AND NUMBER OF COATS AS REQUIRED FOR THE ACTUAL WORK.
- Q. ALL SURFACES SHALL RECEIVE A FINISH, WHETHER NOTED OR NOT. ITEMS NOT NOTED WILL BE SELECTED BY THE ARCHITECT DURING CONSTRUCTION.
- R. ALL COVER PLATES (DATA, LIGHTS, TELEPHONE, ETC.) TO BE STAINLESS STEEL. ALL DEVICES TO BE GREY, UNLESS NOTED OTHERWISE.

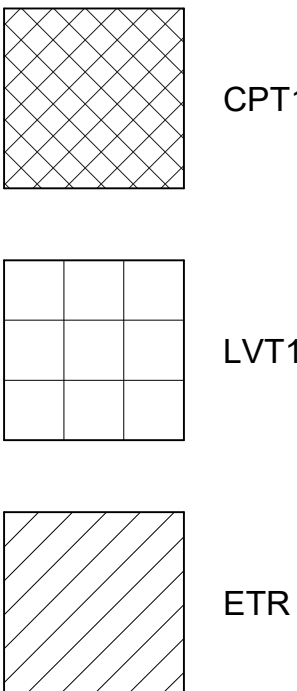
ATTIC STOCK

- THE CONTRACTOR SHALL DELIVER TO THE OWNER THE SPARE PARTS, EXTRA STOCK, AND MAINTENANCE MATERIALS LISTED BELOW. MATERIALS SHALL BE NEATLY PACKAGED AND IDENTIFIED.
- ACOUSTICAL CEILING
- (2) FULL CARTONS OF EACH TILE
- CARPET
- (1) FULL CARTON OF EACH TILE
- RESILIENT FLOORING
- 10% EACH MAJOR COLOR OF VCT/LVT
 - 8 LINEAR FEET OF EACH COLOR AND TYPE OF BASE
- PAINT
- (1) FULL GALLON EACH COLOR AND TYPE OF PAINT OR STAIN
- CERAMIC TILE
- (1) UNOPENED BOX OF EACH COLOR AND TYPE
- WALL PROTECTION
- 8' - 0" CORNER GUARD WITH (2) SPARE END CAPS
- AIR DISTRIBUTION
- (1) FULL CARTON OF EACH FILTER SIZE AND TYPE

DRAWING NOTES

9.04 FLOOR FINISH TO EXTEND UNDER COUNTERS.

FLOOR FINISH LEGEND



Seal

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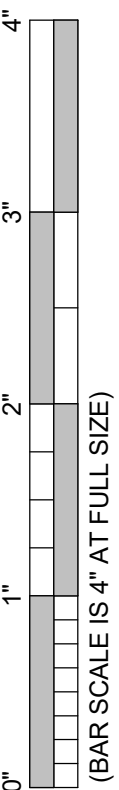
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FINISH SCHEDULE,
LEGEND, AND PLAN

A12.01



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GENERAL MECHANICAL NOTES	
1.	WORK SHALL CONFORM WITH TO ALL CURRENT CODES AND AUTHORITY HAVING JURISDICTION.
2.	DRAWINGS ARE SCHEMATIC, NOT ALL RISES AND DROPS ARE SHOWN. TRADES ARE TO COORDINATE THEIR WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS. GENERALLY, DUCTWORK SHALL BE KEPT AS HIGH AS POSSIBLE.
3.	COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS AND FURNISH EQUIPMENT WIRED FOR VOLTAGES SHOWN THEREIN.
4.	COORDINATE THE INSTALLATION OF MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER OF RECORD.
5.	KEEP A SET OF MARKED UP PRINTS WITH ANY FIELD CHANGES MADE DURING CONSTRUCTION TO CREATE AN "AS-BUILT" SET OF PRINTS TO BE TURNED OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT.
6.	PROVIDE ACCESS PANELS IN CEILINGS AND WALLS TO ALLOW ACCESS TO VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. MINIMUM ACCESS SIZE SHALL BE 12"X12", UNLESS LIMITED BY PHYSICAL CONSTRAINTS.
7.	MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
8.	OUTSIDE AIR INTAKES FOR AIR CONDITIONING UNITS SHALL BE A MINIMUM OF 10 FEET FROM EXHAUST FANS, EXHAUST OPENINGS AND PLUMBING VENTS.
9.	ALL DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
10.	ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA STANDARDS.
11.	SUPPORT DUCTWORK FROM BUILDING STRUCTURE IN ACCORDANCE WITH SMACNA STANDARDS.
12.	ANY ADDITIONAL/SUPPLEMENTAL STEEL MEMBERS REQUIRED TO SUPPORT DUCTWORK OR EQUIPMENT FROM MAIN STRUCTURE SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
13.	TRANSFER DUCTS SHALL BE INTERNALLY LINED TO AID IN CANCELING NOISE TRANSFER.
14.	COORDINATE LOCATIONS OF GRILLES, REGISTERS AND DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS SHOWN ARE APPROXIMATE, ADJUST LOCATIONS IN THE FIELD AS REQUIRED BY CONSTRUCTION CONSTRAINTS.
15.	PROVIDE EACH SUPPLY AIR OUTLET OR DIFFUSER WITH ITS OWN BALANCING DEVICE. DEVICES CAN BE LOCATED IN DUCTWORK OR SUPPLY AIR DEVICE ITSELF.
16.	INSTALL TOP OF THERMOSTATS AT 4'-0" ABOVE FINISHED FLOOR (AFF) UNLESS NOTED OTHERWISE. THERMOSTAT LOCATIONS SHALL BE COORDINATED WITH FINAL LOCATIONS OF WALL-MOUNTED ARCHITECTURAL AND ELECTRICAL EQUIPMENT. FINAL LOCATIONS MUST BE APPROVED BY THE ARCHITECT AND OWNER. THERMOSTATS SHALL NOT BE INSTALLED ON EXTERIOR WALLS IF INTERIOR WALLS ARE AVAILABLE WITHIN SPACE SERVED BY THERMOSTAT. SHOULD THE THERMOSTAT REQUIRE INSTALLATION ON AN EXTERIOR WALL AN INSULATED BACKING PLATE MUST BE PROVIDED TO PREVENT FALSE READINGS BY THE THERMOSTAT.

HVAC SYMBOLS AND CONVENTIONS	
SYMBOL	DESCRIPTION
	TURNING VANES
	VOLUME DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FIRE/SMOKE DAMPER
	SMOKE DETECTOR (BY EC)
	MOTOR OPERATED DAMPER
	DUCTWORK TEMPERATURE SENSOR
	DUCTWORK HUMIDITY SENSOR
	DUCTWORK STATIC PRESSURE SENSOR
	SUPPLY DUCT
	RETURN DUCT
	EXHAUST DUCT
	FLEX DUCT
	HUMIDISTAT/HUMIDITY SENSOR
	THERMOSTAT
	SPACE TEMPERATURE SENSOR
	CARBON DIOXIDE SENSOR
	UNDERCUT DOOR
	RETURN / EXHAUST AIRFLOW DIRECTION
	SUPPLY AIRFLOW DIRECTION
	PIPING DIFFERENTIAL PRESSURE SENSOR
	POINT OF CONNECTION NEW TO EXISTING
	SUPPLY DIFFUSER
	RETURN DIFFUSER
	EXHAUST DIFFUSER
	LINEAR SLOT DIFFUSER
	REMOVE TO POINT AND CAP
	REMOVE TO POINT FOR RECONNECTION
	UNION
	PIPE BRANCH TAKE-OFF FROM BOTTOM
	PIPE BRANCH TAKE-OFF FROM TOP
	PIPE DROP
	PIPE RISE
	AC CONDENSATE DRAIN PIPING
	REFRIGERANT SUCTION/LIQUID PIPING
	DEMOLITION HATCH

EQUIPMENT TAGGING LEGEND	
EQUIPMENT DESIGNATION	TAGGING DESCRIPTION
AIR DEVICES - S,R,E,T	EQUIPMENT DESIGNATION
	TYPE
EQUIPMENT DESIGNATION - AHU, AC, GF, RTU, VAV, EDH, EUH, GUH, PTAC	CFM
	EQUIPMENT DESIGNATION
	PLAN DESIGNATION

HVAC ABBREVIATIONS	
AHU	AIR HANDLING UNIT
CFM	CUBIC FEET PER MINUTE
DX	DIRECT EXPANSION
(E)	EXISTING
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
EUH	ELECTRIC UNIT HEATER
GUH	GAS UNIT HEATER
LAT	LEAVING AIR TEMPERATURE
OA	OUTSIDE AIR
RA	RETURN AIR
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SD	SMOKE DETECTOR
SMD	SMOKE DAMPER
FSD	SMOKE/FIRE DAMPER

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Project

YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION

Project Number 26102
Drawn By ASE
Checked By ASE
Date 06 APR 2026

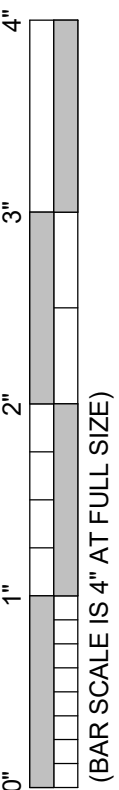
Revisions		
A	31 MAR 2026	ISSUE FOR PERMIT
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Drawing

MECHANICAL
LEGEND AND NOTES

M0.01

MECHANICAL SHEET LIST	
SHEET NUMBER	SHEET NAME
M0.01	MECHANICAL LEGEND AND NOTES
M0.02	MECHANICAL SCHEDULES
M0.03	MECHANICAL SPECIFICATIONS
M0.04	MECHANICAL SPECIFICATIONS
M0.05	MECHANICAL EQUIPMENT DIAGRAMS
M0.06	MECHANICAL DETAILS
M1.01	MECHANICAL PLANS - 1ST FLOOR
M1.02	MECHANICAL PLANS - 2ND FLOOR



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VARIABLE REFRIGERANT FLOW SCHEDULE (MULTI-SPLIT)																						
EXISTING VRF SYSTEM - OUTDOOR UNIT										VRF SYSTEM - INDOOR UNITS												
MARK	DESIGN BASIS MANUFACTURER MODEL	TONNAGE	TYPE	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	ELECTRICAL		EER	IEER	MARK	DESIGN BASIS MANUFACTURER MODEL	TYPE	TONS	CFM	ESP (IN. WG)	COOLING CAPACITY		HEATING CAPACITY (MBH)	ELECTRICAL		REMARKS	
						VOLTAGE	PHASE									TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)		VOLTAGE	PHASE		
(E)HP-1	TRANE-MITSUBISHI TURYE1443AN40AN SINGLE P144 MODULE	12 TON NOMINAL	AIR COOLED; HEAT RECOVERY	144.0	160	208	3	12.3	26.9	(E)AC-1A	TRANE-MITSUBISHI	TPEFYP012MA144A	CEILING CONCEALED (DUCTED)	1	371	0.6	10.008	7.850	7.673	208	1	10
										(E)AC-1B	TRANE-MITSUBISHI	TPLFY005FM140A	CEILING CASSETTE (FOUR WAY)	0.42	280	N/A	4.170	4.169	3.183	208	1	10
										(E)AC-1C	TRANE-MITSUBISHI	TPEFYP012MA144A	CEILING CONCEALED (DUCTED)	1	371	0.6	10.008	7.850	7.673	208	1	10
										(E)AC-1D	TRANE-MITSUBISHI	TPEFYP018MA144A	CEILING CONCEALED (DUCTED)	1.5	600	0.6	15.012	12.958	11.367	208	1	10
										(E)AC-1F	TRANE-MITSUBISHI	TPLFY005FM140A	CEILING CASSETTE (FOUR-WAY)	0.42	280	N/A	4.170	4.169	3.183	208	1	10
										(E)AC-1G	TRANE-MITSUBISHI	TPLFY024EM140B	CEILING CASSETTE (FOUR-WAY)	2	812	N/A	20.017	15.846	15.346	208	1	10
										(E)AC-1H	TRANE-MITSUBISHI	TPEFYP018MA144A	CEILING CONCEALED (DUCTED)	1.5	600	0.6	15.012	12.958	11.367	208	1	10
										(E)AC-1I	TRANE-MITSUBISHI	TPEFYP018MA144A	CEILING CONCEALED (DUCTED)	1.5	600	0.6	15.012	12.958	11.367	208	1	10
										(E)AC-1J	TRANE-MITSUBISHI	TPEFYP012MA144A	CEILING CONCEALED (DUCTED)	1	371	0.6	10.008	7.850	7.673	208	1	10
										(E)AC-1K	TRANE-MITSUBISHI	TPLFY005FM140A	CEILING CASSETTE (FOUR-WAY)	0.42	280	N/A	4.170	4.169	3.183	208	1	10
										(E)AC-1L	TRANE-MITSUBISHI	TPEFYP018MA144A	CEILING-CONCEALED (DUCTED)	1.5	600	0.6	15.012	12.958	11.367	208	1	10
										(E)AC-1M	TRANE-MITSUBISHI	TPEFYP012MA144A	CEILING-CONCEALED (DUCTED)	1	371	0.6	10.008	7.850	7.673	208	1	10
										AC-1N	TRANE-MITSUBISHI	TPEFYP012MA144A	CEILING-CONCEALED (DUCTED)	1	371	0.6	9.694	7.712	7.368	208	1	1 THRU 9
NOTES: 1. MANUFACTURER'S SUBMITTAL MUST INCLUDE REFRIGERANT PIPING DIAGRAM WITH PIPE DIAMETERS, LENGTHS, AND REFRIGERANT VOLUME. CONTRACTOR TO VERIFY PIPING DIMENSIONS. 2. MANUFACTURER MUST BE CERTIFIED, LISTED, AND LABELED PER AHRI 1230. 3. SYSTEM MUST PROVIDE CONTINUOUS HEATING DURING DEFROST AND OIL RETURN. 4. ALL UNITS SHALL BE PROVIDED WITH CONDENSATE PUMP AS SPECIFIED ON PLANS. 5. PROVIDE WITH CONTROLS WHICH INTEGRATE WITH THE EXISTING VRF AND BUILDING MANAGEMENT SYSTEMS. 6. INSTALLING CONTRACTOR MUST HAVE SUCCESSFULLY COMPLETED MANUFACTURERS CERTIFIED INSTALLATION CLASS WITHIN PAST 24 MONTHS. 7. PROVIDE 10 YEAR PARTS WARRANTY FOR ALL VRF COMPONENTS. 8. PROVIDE MANUAL SHUTOFF VALVE ON REFRIGERANT LINES FOR EACH VRF UNIT. 9. NO SUBSTITUTIONS ALLOWED. 10. UNIT IS EXISTING TO REMAIN.																						

EXISTING 100% OUTDOOR AIR SPLIT SYSTEM VRF HEAT PUMP SCHEDULE																					
MARK		AREA SERVED	NOMINAL TONS	MANUF.	HEAT PUMP (OUTSIDE UNIT)							AIR HANDLING UNIT (INSIDE UNIT)									
OUTSIDE UNIT	INSIDE UNIT				MODEL NUMBER	COOLING		HEATING	EST. WEIGHT (LBS)	ELECTRICAL DATA		MODEL NUMBER	SUPPLY AIR	OUTSIDE AIR	ESP	FAN HP	REHEAT		WEIGHT	ELECTRICAL DATA	
						TOTAL COOLING (BTUH)	SENSIBLE COOLING (BTUH)	TOTAL (BTUH)		VOLTAGE	PHASE						COOLING L.A.T. DB	HEATING L.A.T. DB		VOLTAGE	PHASE
(E)HP-3	(E)DOAS-1	BASEMENT / FIRST FLOOR	10.0	mitsubishi	TURYP1203AN40AN	124,937	47,499	102,286	600	208	3	TPEFYP120AR140A	1200	1200	0.80	1.0	70°F	70°F	350	208	1

AIR DISTRIBUTION SCHEDULE									
MARK	TYPE	DESCRIPTION	DESIGN BASIS		FACE SIZE	NECK SIZE	MATERIAL	NOTES	
			MANUF.	MODEL					
S-1	SUPPLY	SQUARE CONE, FIXED PATTERN, 3-CONE LAY-IN	PRICE	ASCD	24"x24"	6"Ø	ALUMINUM	1 - 4	
S-2	SUPPLY	SQUARE CONE, FIXED PATTERN, 3-CONE LAY-IN	PRICE	ASCD	24"x24"	8"Ø	ALUMINUM	1 - 4	
R-1	RETURN	PERFORATED FACE, CEILING MOUNT	PRICE	APDDR	24"x24"	14"x14"	ALUMINUM	2, 3, 4	
R-2	RETURN	PERFORATED FACE, CEILING MOUNT	PRICE	APDDR	24"x24"	6"Ø	ALUMINUM	1 - 4	
NOTES: 1. FINISH SHALL BE COORDINATED DURING THE SUBMITTAL PROCESS. 2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR MOUNTING TYPE. 3. ACCEPTABLE EQUALS INCLUDE METALRAIE AND TITUS.									

VENTILATION COMPLIANCE SCHEDULE - LOBBY RENOVATION									
UNIT MARK	AREA SERVED	AREA (FT²)	PEOPLE PER 1000 FT²	NUMBER OF PEOPLE	AIRFLOW PER PERSON	AIRFLOW PER FT²	OUTSIDE AIR REQUIRED (CFM)	TOTAL OUTSIDE AIR REQUIRED (CFM)	TOTAL OUTSIDE AIR PROVIDED (CFM)
(E)DOAS-1	100 LOBBY	450	10	5	5	0.06	53	325	380
	101 OPEN WORKSPACE	1010	5	9 (NOTE 2)	5	0.06	106		
	102 CONFERENCE	135	50	7	5	0.06	44		
	103 OFFICE	90	5	1	5	0.06	11		
	105 OFFICE	95	5	1	5	0.06	11		
	106 OFFICE	90	5	1	5	0.06	11		
	109 CORRIDOR	335	---	---	---	0.06	21		
	110 OFFICE	200	5	1	5	0.06	17		
	111 OFFICE	130	5	1	5	0.06	13		
	112 OFFICE	130	5	1	5	0.06	13		
	113 OFFICE	120	5	1	5	0.06	13		
	114 OFFICE	120	5	1	5	0.06	13		
TOTAL							325	380	
NOTES: 1. PEOPLE DENSITY, CFM PER PERSON, AND CFM PER SQUARE FOOT ARE BASED ON THE MECHANICAL CODE DEFAULT VALUES UNLESS NOTED OTHERWISE. 2. WHERE NOTED PEOPLE COUNT IS BASED ON SEAT COUNT OR ACTUAL NUMBER OF PEOPLE.									

EXISTING BRANCH CIRCUIT CONTROLLER SCHEDULE						
MARK	SYSTEM SERVED	DESIGN BASIS MANUFACTURER MODEL	TYPE	NUMBER OF PORTS	ELECTRICAL	
					VOLTAGE	PHASE
(E)BCC-1-1	(E)HP-1	TRANE-MITSUBISHI TCMBM0108JA11N4	MAIN	8	208	1
(E)BCC-1-2	(E)HP-1	TRANE-MITSUBISHI TCMBM0108KB11N4	SUB	8	208	1
(E)BCC-2-1	(E)HP-2	TRANE-MITSUBISHI TCMBM0108JA11N4	MAIN	8	208	1
(E)BCC-2-2	(E)HP-2	TRANE-MITSUBISHI TCMBM0108KB11N4	SUB	8	208	1
(E)BCC-3	(E)HP-3	TRANE-MITSUBISHI TCMBG0106SJ11N4	SINGLE	6	208	1

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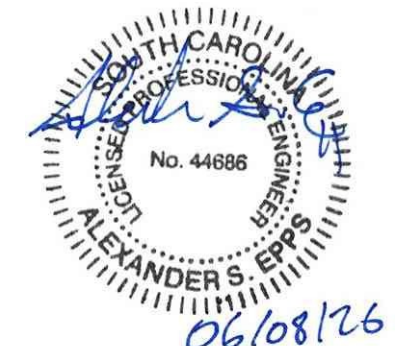
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Drawn By: ASE

Checked By: ASE

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YORK COUNTY

PLANNING BUILDING

LOBBY RENOVATION

Project Number 26102

Drawn By ASE

Checked By ASE

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Revisions

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Drawing

MECHANICAL

SCHEDULES

M0.02

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GENERAL

- A. RELATED DOCUMENTS:
1. WORK HEREIN SHALL CONFORM TO ALL APPLICABLE LAWS, ORDINANCES, AND REGULATIONS OF THE LOCAL UTILITY COMPANIES. THE GENERAL CONDITIONS AND ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL APPLY TO ALL WORK OF THIS SECTION.
 2. COOPERATE WITH ALL OTHER TRADES AND INSTALL WORK AS FAST AS THE PROGRESS OF THE JOB WILL PERMIT.
 3. USE ONLY MECHANICS SKILLED IN THE WORK THEY ARE TO PERFORM AND HAVE A COMPETENT REPRESENTATIVE ON THE JOB WHEN ANY WORK IS BEING DONE.
 4. NO WORK SHALL BE DONE UNLESS THE SUPERINTENDENT OF THE CONTRACTOR IS ON THE JOB SITE. WORK SHALL BE PROPERLY PROTECTED, ALL RUBBISH REMOVED PROMPTLY, AND EXPOSED WORK SHALL BE CAREFULLY CLEANED PRIOR TO FINAL ACCEPTANCE.
 5. THE TERM "PROVIDE" SHALL INCLUDE LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL, COMPLETE AND OPERABLE, THE ITEM OR SYSTEM INDICATED.
 6. IN DECISIONS ARISING FROM DISCREPANCIES, INTERPRETATION OF DRAWINGS AND SPECIFICATIONS, SUBSTITUTES, AND OTHER PERTINENT MATTERS, THE DECISION OF THE OWNER'S REPRESENTATIVE'S APPROVAL SHALL BE FINAL.
- B. SPECIFICATIONS AND DRAWINGS:
1. PLANS SHOW LOCATION OF FIXTURES AND EQUIPMENT AND ARE INTENDED TO DEPICT THE GENERAL INTENT OF THE WORK IN SCOPE, LAYOUT AND QUALITY OF WORKMANSHIP. THEY ARE NOT INTENDED TO SHOW IN MINUTE DETAIL EVERY OR ALL ACCESSORIES INTENDED FOR THE PURPOSE OF EXECUTING THE WORK, BUT IT IS UNDERSTOOD THAT SUCH DETAILS ARE A PART OF THIS WORK.
 2. WHERE DRAWINGS AND SPECIFICATIONS CONFLICT, IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING SUCH CONFLICT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION. IN GENERAL, THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE MECHANICAL DRAWINGS WITH REFERENCE TO BUILDING CONSTRUCTION. ALL CHANGES FROM THE DRAWINGS NECESSARY TO MAKE THE WORK CONFORM WITH THE BUILDING AS CONSTRUCTED AND TO FIT THE WORK OF OTHER TRADES OR TO CONFORM TO THE RULES OF AUTHORITIES HAVING JURISDICTION, SHALL BE MADE BY THE CONTRACTOR AT THEIR OWN EXPENSE.
 3. KEEP A RECORD OF THE LOCATIONS OF CONCEALED WORK AND OF ANY FIELD CHANGES IN CONTRACT DRAWINGS AND SPECIFICATIONS FOR EACH TRADE AND, UPON COMPLETION OF THE JOB, SUPPLY "AS-BUILT" DRAWINGS AND SPECIFICATIONS SHOWING ANY DEVIATIONS FROM THE ORIGINAL DRAWINGS, INDICATING IN THE SPECIFICATIONS EACH MANUFACTURER'S NAME UNDERLINED OR INSERTED WHOSE PRODUCT WAS USED ON THE JOB. THESE DRAWINGS SHALL INDICATE DIMENSIONS OF BURIED UTILITY LINES FROM BUILDING WALLS.
- C. PERMITS, FEES AND INSPECTIONS:
1. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS AND PAY ALL GOVERNMENT FEES, SALES TAXES AND OTHER COSTS, INCLUDING UTILITY CONNECTIONS OR EXTENSIONS, IN CONNECTION WITH THIS WORK; FILE ALL PERMIT APPLICATIONS REQUIRED BY ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.
 2. OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR WORK AND DELIVER THEM TO THE OWNER BEFORE REQUESTING ACCEPTANCE AND FINAL PAYMENT FOR THE WORK.
 3. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS.
 4. THE CONTRACTOR SHALL INFORM THE OWNER OF ANY WORK OR MATERIALS WHICH CONFLICT WITH ANY OF THE APPLICABLE CODES, STANDARDS, LAWS AND REGULATIONS BEFORE COMMENCING CONSTRUCTION.
- D. GENERAL:
1. SINCE MANUFACTURERS RESERVE THE RIGHT TO CHANGE THEIR PRODUCTS AT ANY TIME, CONTRACTORS SHALL VERIFY ALL DIMENSIONS, PERFORMANCE DATA, ETC. FOR EACH PIECE OF EQUIPMENT SUBMITTED TO ASSURE COMPLIANCE WITH THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
 2. ALL MATERIALS SHALL BE NEW AND OF QUALITY AS SPECIFIED.
 3. A LIST OF ALL MATERIALS AND EQUIPMENT WHICH THE CONTRACTOR PROPOSES TO FURNISH SHALL BE SUBMITTED FOR APPROVAL WITHIN TEN (10) DAYS AFTER THE CONTRACT HAS BEEN AWARDED.
 4. WHERE AN ACCEPTED SUBSTITUTION OR DEVIATION REQUIRES DIFFERENT QUANTITY OR ARRANGEMENT OF FOUNDATIONS, SUPPORTS, DUCTWORK, PIPING, WIRING, CONDUIT, AND ANY OTHER EQUIPMENT OR ACCESSORIES NORMAL TO THIS EQUIPMENT, CONTRACTOR SHALL FURNISH SAID CHANGES AND ADDITIONS AND PAY ALL COSTS FOR ALL CHANGES AND ADDITIONS TO THEIR WORK AND THE WORK OF OTHERS AFFECTED BY THIS SUBSTITUTION OR DEVIATION.
- E. SHOP AND ERECTION DRAWINGS AND SAMPLES:
1. THE ARCHITECT/ENGINEER'S APPROVAL SHALL BE OBTAINED FOR ALL EQUIPMENT AND MATERIAL BEFORE DELIVERY, STORAGE OR INSTALLATION. THE CONTRACTOR SHALL FURNISH EQUIPMENT OR MATERIAL WHICH HAS NOT HAD PRIOR APPROVAL WILL NOT BE PERMITTED AT THE JOB SITE.
 2. ALL SUBMITTALS SHALL INCLUDE ADEQUATE DESCRIPTIVE LITERATURE, CATALOG CUTS, SHOP DRAWINGS AND OTHER DATA NECESSARY FOR THE ARCHITECT/ENGINEER TO ASCERTAIN THAT THE PROPOSED EQUIPMENT AND MATERIALS COMPLY WITH SPECIFICATION AND DRAWING REQUIREMENTS. CATALOG CUTS SUBMITTED FOR APPROVAL SHALL BE LEGIBLE AND CLEARLY IDENTIFY EQUIPMENT BEING SUBMITTED.
 3. SUBMIT REQUIRED AND/OR REQUESTED SHOP AND ERECTION DRAWINGS, FOR REVIEW BY ARCHITECT/ENGINEER BEFORE ORDERING OR INSTALLING ANY EQUIPMENT OR MATERIAL.
 4. SHOP DRAWINGS SHALL CONSIST OF MANUFACTURER'S SCALE DRAWINGS, CUTS OR CATALOGS, INCLUDING DIMENSIONS, CLEARANCES, CONNECTIONS, AND ELECTRICAL, MECHANICAL, THERMAL, MATERIAL, PHYSICAL, DIMENSIONS, WIRING DIAGRAMS AND COMPLETE OPERATING DATA CLEARLY MARKED FOR EACH ITEM.
 5. THE ENGINEER'S REVIEW SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR DEVIATIONS FROM DRAWINGS AND SPECIFICATIONS. THE ENGINEER'S REVIEW SHALL BE CONSTRUED TO APPLY ONLY TO CORRECT THE ARRANGEMENT AND SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR THE CORRECTNESS OF DETAILS AND DIMENSIONS AND PROVISION OF THE CORRECT EQUIPMENT.
- F. COORDINATION WITH OTHER TRADES:
1. CONTRACTOR SHALL COORDINATE THEIR WORK WITH OTHER TRADES TO AVOID INTERFERENCES AND DELAYS. THEY SHALL ASSIST IN WORKING OUT SPACE REQUIREMENTS TO MAKE A SATISFACTORY INSTALLATION.
 2. IF THE CONTRACTOR INSTALLS THEIR WORK BEFORE COORDINATING WITH OTHER TRADES, OR SO AS TO CAUSE ANY INTERFERENCE WITH THE WORK OF OTHER TRADES, THEY SHALL MAKE THE NECESSARY ADJUSTMENTS IN THEIR WORK TO CORRECT THE SAME WITHOUT EXTRA CHARGE.
 3. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES ALL NECESSARY TEMPERATURES, PATTERNS, SETTING PLANS, AND SHOP DETAILS FOR THE PROPER INSTALLATION OF WORK AND FOR THE PURPOSE OF COORDINATING ADJACENT WORK.
- G. EQUIPMENT IDENTIFICATION: EACH UNIT SHALL BE IDENTIFIED BY ITS SYSTEM NUMBER AND OTHER APPROPRIATE DESIGNATION BY APPLYING A PRINTED LABEL OF APPROVED SIZE AND WORDING. EQUIPMENT REQUIRING IDENTIFICATION SHALL INCLUDE: SUPPLY AND EXHAUST FANS, AIR CONDITIONING AND HEATING MACHINERY AND APPARATUS, CONTROL CABINETS, AND OTHER EQUIPMENT UNITS AS MAY BE DIRECTED BY THE OWNER.
- H. CUTTING, PATCHING, EXCAVATION, BACKFILL, AND LAYOUT:
1. PROVIDE OPENINGS AND EXCAVATION REQUIRED FOR THE INSTALLATION OF THE WORK. PATCH WORK AND BACKFILL AS REQUIRED. FINISHED WORK SHALL MATCH THE EXISTING ADJOINING WORK.
 2. VERIFY ALL CONDITIONS AFFECTING THE WORK TO BE PERFORMED UNDER THIS CONTRACT.
 3. CAREFULLY VERIFY MEASUREMENTS AT THE SITE, DETERMINE THE EXACT LOCATION OF CHASES AND OPENINGS REQUIRED. PROVIDE SLEEVES, INSERTS, AND HANGERS AS REQUIRED. NO COLUMNS, BEAMS, JOISTS, BUILDING FOUNDATIONS NOR ANY OTHER STRUCTURAL BUILDING COMPONENT SHALL BE CUT, DRILLED OR DISTURBED IN ANY WAY. CONFLICTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
 4. ALL EXCAVATION ON SITES CONTAINING EXISTING BUILDINGS AND EXISTING SERVICES, SHALL BE DONE WITH HAND SHOVEL TO AVOID DAMAGE TO EXISTING SERVICES. ANY DAMAGE INCURRED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR IN A MANNER APPROVED BY THE ARCHITECT/ENGINEER AT NO COST TO THE OWNER AND WITH NO EXTENSION OF TIME LIMITATION.
- I. EXPERIENCE: THE CONTRACTOR PERFORMING THIS WORK SHALL BE A LICENSED, REPUTABLE FIRM, REGULARLY PERFORMING THE TYPE OF WORK IN THIS PROJECT AND THE TYPE OF PROJECT AND WHO ALSO MAINTAINS, AS PART OF THE FIRM, A SERVICE DEPARTMENT WITH QUALIFIED PERSONNEL WHO REGULARLY PERFORM THIS TYPE OF WORK.
- J. ELECTRICAL WORK FOR MECHANICAL SYSTEMS:
1. CONTROLLERS AND CONTROL EQUIPMENT NECESSARY FOR MECHANICAL EQUIPMENT OPERATION SHALL BE PROVIDED UNDER THE MECHANICAL SCOPE. STARTERS NOT INTEGRAL WITH MECHANICAL EQUIPMENT AND STARTERS MOUNTED IN MOTOR CONTROL CENTERS SHALL BE PROVIDED UNDER ELECTRICAL SCOPE.
 2. POWER WIRING FOR MOTORS AND INSTALLATION OF STARTERS SHALL BE PROVIDED UNDER THE ELECTRICAL SCOPE.
 3. TEMPERATURE, HUMIDITY, PRESSURE AND SIMILAR CONTROLS ESSENTIAL TO THE OPERATION OF MECHANICAL SYSTEMS, AND WIRING AND CONDUIT THEREOF, INCLUDING INTERLOCK WIRING, SHALL BE PROVIDED UNDER THE MECHANICAL SCOPE AND INSTALLED IN ACCORDANCE WITH REQUIREMENTS OF ELECTRICAL DRAWINGS AND SPECIFICATIONS.
 4. ALL LOW VOLTAGE (120V AND UNDER) TEMPERATURE CONTROL WIRING FOR EQUIPMENT SHALL BE PROVIDED UNDER THIS THE MECHANICAL SCOPE.
 5. CONDUIT WHEN REQUIRED FOR CONTROL WIRING SHALL BE PROVIDED UNDER THE MECHANICAL SCOPE.

- K. MOTORS:
1. ALL MOTORS SHALL BE FURNISHED AND INSTALLED UNDER THE MECHANICAL SCOPE AND SHALL BE WIRED UNDER THE ELECTRICAL SCOPE.
 2. ALL MOTORS SHALL BE BUILT IN ACCORDANCE WITH THE CURRENT APPLICABLE IEEE, ASA, AND NEMA STANDARDS. ALL GENERAL PURPOSE MOTORS SHALL BE OPEN DRIP-PROOF MACHINES FOR INSTALLATION INDOORS AND/OR IN PROTECTED LOCATIONS. TOTALLY ENCLOSED FAN COOLED (TEFC) MOTORS SHALL BE USED IN ALL AREAS OF EXPOSURE TO WEATHER OR OTHER ENVIRONMENTAL CONTAMINATION. MOTORS SHALL BE RATED EXPLOSION PROOF WHEN LOCATED IN HAZARDOUS ATMOSPHERES. TYPE II WEATHER PROTECTED MOTORS MAY BE USED IN LIEU OF TEFC MOTORS ON ROOF MOUNTED FAN UNITS AND SIMILAR EQUIPMENT.
 - L. IF THE CONTRACTOR PROPOSES TO FURNISH MOTORS VARYING IN HORSEPOWER AND/OR CHARACTERISTICS FROM THOSE SPECIFIED, THEY SHALL FIRST INFORM THE ARCHITECT/ENGINEER OF THE CHANGE AND SHALL THEN COORDINATE THE CHANGE AND SHALL PAY ALL ADDITIONAL CHARGES IN CONNECTION WITH THE CHANGE.
- REMOVAL OF RUBBISH: CONTRACTOR SHALL KEEP PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIAL OR RUBBISH CAUSED BY THEIR EMPLOYEES OR WORK. AT COMPLETION OF WORK, THEY SHALL REMOVE ALL THEIR TOOLS, SCAFFOLDING, SURPLUS MATERIALS, AND RUBBISH FROM BUILDING AND SITE. THEY SHALL LEAVE PREMISES AND THEIR WORK IN A CLEAN ORDERLY CONDITION ACCEPTABLE TO THE ARCHITECT/ENGINEER.
- M. QUIET OPERATION AND VIBRATION: ALL EQUIPMENT PROVIDED UNDER THIS SECTION SHALL OPERATE UNDER NORMAL CONDITIONS OF LOAD FREE OF OBJECTIONABLE SOUND AND VIBRATION. SOUND AND VIBRATION CONDITIONS CONSIDERED OBJECTIONABLE SHALL BE CORRECTED IN AN APPROVED MANNER. VIBRATION AND SOUND CONTROL SHALL BE BY MEANS OF APPROVED VIBRATION ELIMINATORS OR SOUND ATTENUATORS AS SPECIFIED AND AS RECOMMENDED BY THE MANUFACTURER.
- N. EXAMINATION OF EXISTING CONDITIONS: VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE SITE AND/OR PRESENT BUILDING AFFECTED BY THIS WORK SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK BEFORE SUBMITTING PROPOSALS.
- O. CLEANING AND ADJUSTMENTS:
1. UPON COMPLETION OF WORK, CONTRACTOR SHALL CLEAN AND LUBRICATE FANS, MOTORS, AND OTHER RUNNING EQUIPMENT AND APPARATUS WHICH THEY HAVE INSTALLED AND MAKE CERTAIN SUCH APPARATUS AND MECHANISMS ARE IN PROPER WORKING ORDER AND READY TO TEST.
 2. SCRATCHED OR DAMAGED PAINTING SHALL BE TOUCHED UP AS NECESSARY TO RETURN THE PAINTING TO "NEW" CONDITION AND APPEARANCE.
 3. ALL PIPING AND EQUIPMENT SHALL BE THOROUGHLY BLOWN OUT UNDER PRESSURE AND CLEARED OF ALL FOREIGN MATTER, WASTING AIR, GAS OR WATER THROUGH TEMPORARY CONNECTIONS AS LONG AS NECESSARY TO THOROUGHLY CLEAN SYSTEM BEFORE SYSTEM IS PLACED IN OPERATION. USE EVERY PRECAUTION TO PREVENT PIPE COMPOUND, SCALE, DIRT, WELDING AND OTHER OBJECTIONABLE MATTER FROM GETTING INTO THE PIPING SYSTEM AND EQUIPMENT.
 4. DURING BLOW OUT PERIOD, BASKETS FROM STRAINERS SHALL BE REMOVED, TRAPS AND CONTROL VALVES, ETC., SHALL BE BY-PASSED.
 5. ALL CLEANING SHALL BE DONE PRIOR TO ANY PRESSURE TESTING, FLOW BALANCING OR EQUIPMENT ADJUSTMENT PROCEDURES.
- P. CLEANING AND PROTECTING: DURING CONSTRUCTION PROTECT ALL PIPING AND EQUIPMENT FROM DAMAGE AND DIRT. CAP THE OPEN ENDS OF ALL PIPING AND EQUIPMENT. AFTER COMPLETION OF PROJECT CLEAN THE EXTERIOR SURFACE OF EQUIPMENT INCLUDED IN THIS SECTION, REMOVE ALL CONCRETE RESIDUES AND AS DIRECTED TOUCH UP PAINT OR COMPLETELY REPAINT ALL DAMAGED SURFACES.
- Q. STORAGE OF MATERIALS: ALL MATERIALS STORED ON SITE SHALL BE PROPERLY PROTECTED FROM INJURY OR DETERIORATION. MATERIALS SHALL NOT BE STORED IN CONTACT WITH GROUND OR FLOOR, DO NOT REMOVE MANUFACTURER'S PACKING MATERIALS UNTIL READY TO INSTALL. MATERIALS SHOWING SIGNS OF CORROSION, IMPROPER HANDLING OR STORAGE SHALL BE REPLACED AT NO COST TO THE OWNER. PROVIDE CONTINUOUS PROTECTION FOR ALL EQUIPMENT ALREADY INSTALLED.
- R. WATERPROOFING: WHERE ANY WORK PIERCES WATERPROOFING INCLUDING WATERPROOF CONCRETE, THE METHOD OF INSTALLATION SHALL BE AS APPROVED BY THE OWNER BEFORE THE WORK IS DONE. PROVIDE ALL NECESSARY SLEEVES, CAULKING AND FLASHING REQUIRED TO MAKE OPENINGS ABSOLUTELY WATERTIGHT. WATERPROOF FLASHING MATERIALS SHALL BE COMPATIBLE WITH BASE MATERIALS.
- S. TESTS: CONTRACTOR SHALL MAKE ALL TESTS REQUIRED TO ESTABLISH THE ADEQUACY, QUALITY, SAFETY, COMPLETED STATUS AND SATISFACTORY OPERATION OF ALL SYSTEMS TO THE SATISFACTION OF THE ARCHITECT/ENGINEER. PROVIDE ALL INSTRUMENTS, LABOR AND SERVICES NECESSARY TO CONDUCT TESTS.
- T. INSTRUCTIONS: FULLY INSTRUCT OWNER'S PERSONNEL IN THE CARE AND OPERATION OF MECHANICAL SYSTEMS AND FURNISH A LETTER TO THE ARCHITECT/ENGINEER ADVISING THE PARTICULAR PERSON WHO HAS RECEIVED SUCH INSTRUCTION.
- U. GUARANTEE: EQUIPMENT SHALL BE STARTED, TESTED, ADJUSTED, AND PLACED IN SATISFACTORY OPERATING CONDITION. FURNISH A LETTER ADDRESSED TO THE ARCHITECT/ENGINEER ADVISING THAT THE CORRECTING SYSTEM HAS BEEN INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THAT THEY ARE IN PROPER OPERATING CONDITION. THE OWNER SHALL RECEIVE A WRITTEN GUARANTEE COVERING ALL DEFECTS IN WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. ANY DEFECTS APPEARING WITHIN THIS YEAR PERIOD SHALL BE REPAIRED WITHOUT ADDITIONAL COST TO THE OWNER.
- V. ACCEPTANCE: BEFORE REQUESTING FINAL INSPECTION, COMPLETE ALL WORK REQUIRED. IF ANY ITEMS ARE HELD IN ABEYANCE AS INCOMPLETE FOR FINAL INSPECTION, LIST SUCH ITEMS TOGETHER WITH EXPLANATION FOR DELAY. SUBMIT STATEMENT THAT EQUIPMENT IS PROPERLY INSTALLED, ADJUSTED, FULLY LUBRICATED AND OPERATION IS SATISFACTORY.
- W. BROCHURE: AT THE COMPLETION OF WORK, SUB-CONTRACTOR SHALL SUBMIT A ELECTRONIC (PDF) FILES CONTAINING THE FOLLOWING: SHOP DRAWINGS, MAINTENANCE MANUALS, CONTROL WIRING AND PIPING DIAGRAMS. ALL DOCUMENTS SHALL BE PROVIDED IN A 3 RING BINDER AT THE OWNERS REQUEST.

VARIABLE REFRIGERANT FLOW (VRF) SYSTEM

- A. EQUIPMENT: PROVIDE CAPACITY RATINGS FOR THE VARIABLE CAPACITY, HEAT PUMP AIR CONDITIONING SYSTEM IN ACCORDANCE WITH AHRI STANDARD 1230 FOR VARIABLE REFRIGERANT FLOW (VRF) MULTI-SPLIT AIR-CONDITIONING AND HEAT PUMP EQUIPMENT. PROVIDE UNITS WHICH ARE UL-LISTED AND LABELED.
- B. DELIVERY, STORAGE, AND HANDLING: HANDLE HEATING AND COOLING UNITS AND COMPONENTS CAREFULLY TO PREVENT DAMAGE, BREAKING, DENTING, AND SCORING. DO NOT INSTALL DAMAGED HEATING AND COOLING UNITS OR COMPONENTS; REPLACE WITH NEW. STORE HEATING AND COOLING UNITS AND COMPONENTS IN CLEAN DRY PLACE, PROTECT FROM WEATHER, DIRT, FUMES, WATER, CONSTRUCTION DEBRIS, AND PHYSICAL DAMAGE. COMPLY WITH MANUFACTURER'S RIGGING AND INSTALLATION INSTRUCTIONS FOR UNLOADING PACKAGED HEATING AND COOLING UNITS, AND MOVING UNITS TO FINAL LOCATION FOR INSTALLATION.
- C. WARRANTY: PROVIDE WRITTEN WARRANTY, DIRECT FROM THE MANUFACTURER, AGREEING TO REPLACE, WITHIN WARRANTY PERIOD, MOTORS/COMPRESSORS WITH INADEQUATE AND DEFECTIVE MATERIALS AND WORKMANSHIP, INCLUDING LEAKAGE, IMPROPER ASSEMBLY, OR FAILURE TO PERFORM AS REQUIRED; PROVIDED MANUFACTURER'S INSTRUCTIONS FOR HANDLING, INSTALLING, PROTECTING, AND MAINTAINING UNITS HAVE BEEN ADHERED TO DURING WARRANTY PERIOD. WARRANTY PERIOD: REFER TO VRF SYSTEM SCHEDULE.
- D. CONCEALED DUCTED INDOOR UNITS (AIR HANDLING UNIT):
1. CABINET SHALL BE CEILING-CONCEALED, DUCTED, WITH A REAR RETURN AND A HORIZONTAL DISCHARGE SUPPLY.
 2. FAN SHALL BE DIRECT DRIVE, SINGLE MOTOR WITH PERMANENTLY LUBRICATED BEARINGS. EXTERNAL STATIC PRESSURE SHALL BE SET TO VALUE AS SPECIFIED IN VRF SYSTEM SCHEDULE.
 3. RETURN AIR SHALL BE FILTERED BY MEANS OF STANDARD FACTORY-INSTALLED RETURN AIR FILTER OR FIELD-INSTALLED FILTER FRAME INSTALLED AT RETURN AIR INLET.
 4. REFRIGERANT COIL SHALL BE NONFERROUS CONSTRUCTION WITH SMOOTH PLATE FINs ON COPPER TUBING. JOINTS SHALL BE BRAZED WITH PHOS-COPPER OR SILVER ALLOY. COIL SHALL BE PRESSURE TESTED AT THE FACTORY.
 5. CONDENSATE DRAIN PANS SHALL BE SINGLE-WALL, STAINLESS-STEEL SHEET, FABRICATED WITH ONE PERCENT SLOPE IN AT LEAST TWO PLANES TO COLLECT CONDENSATE FROM COOLING COILS (INCLUDING COIL PIPING CONNECTIONS, COIL HEADERS, AND RETURN BENDS) AND HUMIDIFIERS, AND TO DIRECT WATER TOWARD DRAIN CONNECTION. EXTEND DRAIN PAN DOWNSTREAM FROM LEAVING FACE TO COMPLY WITH ASHRAE 62.1. PAN SHALL BE A MINIMUM OF 2 INCHES DEEP.
 6. INTEGRAL CONDENSATE LIFT MECHANISM SHALL BE PROVIDED.

- E. CONTROLS:
1. THIS PROJECT UTILIZES AN EXISTING CONTROL SYSTEM. NEW UNITS SHALL BE PROVIDED WITH CONTROLS COMPONENTS THAT ARE THE SAME MAKE AND MANUFACTURER OF THE EXISTING SYSTEM.
- F. INSTALLATION: INSTALL VRF MULTI-SPLIT SYSTEM HEATING AND COOLING UNITS IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL UNITS PLUMB AND LEVEL, FIRMLY ANCHORED IN LOCATIONS INDICATED, AND MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES. CONNECT SUPPLY AND RETURN DUCTS TO UNIT WITH FLEXIBLE DUCT CONNECTIONS. PROVIDE TRANSITIONS TO EXACTLY MATCH UNIT DUCT CONNECTION SIZE. DRAIN PIPING: CONNECT UNIT DRAIN AND PROVIDE TRAP AT DRAIN PAN. PROVIDE SECONDARY DRAIN PAN WITH HIGH WATER ALARM THAT SHUTS DOWN UNIT.
- G. FIELD QUALITY CONTROL: START-UP VRF MULTI-SPLIT SYSTEM HEATING AND COOLING UNITS, IN ACCORDANCE WITH MANUFACTURER'S START-UP INSTRUCTIONS. TEST CONTROLS AND DEMONSTRATE COMPLIANCE WITH REQUIREMENTS. REPLACE DAMAGED OR MALFUNCTIONING CONTROLS AND EQUIPMENT. SYSTEM START-UP SUPERVISION SHALL BE A REQUIRED SERVICE TO BE COMPLETED BY THE MANUFACTURER OR A DULY AUTHORIZED, COMPETENT REPRESENTATIVE THAT HAS BEEN FACTORY TRAINED IN SYSTEM CONFIGURATION AND OPERATION. THE REPRESENTATIVE SHALL PROVIDE PROOF OF MANUFACTURER CERTIFICATION INDICATING SUCCESSFUL COMPLETION WITHIN NO MORE THAN TWO YEARS PRIOR TO SYSTEM INSTALLATION.
- H. TRAINING: PROVIDE ONE HALF-DAY TO INSTRUCT OWNER'S PERSONNEL IN OPERATION AND MAINTENANCE OF EACH TYPE OF VRF MULTI-SPLIT SYSTEM HEATING AND COOLING UNIT. SCHEDULE TRAINING WITH OWNER, PROVIDE AT LEAST 7-DAY NOTICE.

LOW PRESSURE DUCTWORK

- A. LOW PRESSURE DUCTWORK IS HEREBY DEFINED AS DUCTWORK SUBJECTED TO VELOCITIES OF 2500 FPM OR LESS, AND OPERATING PRESSURE OF 2" W.G. OR LESS, POSITIVE OR NEGATIVE.
- B. QUALITY ASSURANCE: COMPLY WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE" FOR FABRICATION AND INSTALLATION OF LOW PRESSURE DUCTWORK. COMPLY WITH ANSIPFPA 90A "STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS" AND ANSIPFPA 90B "STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR-CONDITIONING SYSTEMS".
- C. DUCTWORK MATERIALS: EXCEPT AS OTHERWISE INDICATED, FABRICATE DUCTWORK FROM GALVANIZED SHEET STEEL COMPLYING WITH ANSIA/ASTM A 527, LOCKFORMING QUALITY, WITH ANSIA/ASTM A 525, G90 ZINC COATING; MILL PHOSPHATIZED FOR EXPOSED LOCATIONS.
- D. DOUBLE WALL SPIRAL: ROUND DUCTWORK WHERE EXPOSED SHALL BE K-27 DOUBLE WALL INTERNALLY INSULATED FOR SOUND CONTROL AND/OR THERMAL PERFORMANCE. ALL DIAMETERS AND DIMENSIONS SHOWN ON THE PLANS ARE AIR SIDE DIMENSION OF THE DUCT. FITTING SHALL ALSO BE DOUBLE WALL, TACK WELD, AND SEALED. DUCT AND FITTINGS SHALL BE LABELED ON THE INSIDE TO REDUCE PREPARATION FOR PAINTING. EXTERIOR DUCT SURFACE SHALL BE PAINT GRIP FINISH.
- E. ALL INTERIOR EXPOSED ROUND DUCTWORK UNLESS OTHERWISE SPECIFIED:
- a. PRESSURE SHELL: LONGITUDINAL SEAM, PAINTABLE GALVANIZED STEEL (MOST STRINGENT: 16 GAUGE EQUIVALENT OR SMACNA CUBIC), WITH PAINT GRIP
 - b. INSULATION: 1" THICK, 1 POUND PER CUBIC FOOT DENSITY, DUCT LINER. MINIMUM R VALUE OF 6.0
 - c. INNER LINER: SPIRAL LOCKSEAM, PERFORATED, GALVANIZED STEEL
- F. FLEXIBLE DUCTS, INSULATED:
1. STANDARD: PRODUCT IS TO BE UL 181 LISTED AND BEARING THE UL LABEL. FLEXIBLE DUCT SHALL BE INSULATED - CLASS 1, TWO-PLY VINYL FILM SUPPORTED BY HELICALLY WOUND, SPRING-STEEL WIRE; FIBROUS-GLASS INSULATION OR CLASS 1, MULTIPLE LAYERS OF ALUMINUM LAMINATE SUPPORTED BY HELICALLY WOUND, SPRING-STEEL WIRE; FIBROUS-GLASS INSULATION.
 - a. PRESSURE RATING: 10 INCH WG POSITIVE AND 1.0 INCH WG (250 PA) NEGATIVE.
 - b. MAXIMUM AIR VELOCITY: 4000 FPM.
 - c. TEMPERATURE RANGE: MINUS 10 TO PLUS 160 DEG F.
 - d. INSULATION R-VALUE: R=0.0 (MINIMUM).
 - e. PROVIDE VAPOR-BARRIER FILM.
 2. FLEXIBLE DUCT CONNECTORS: PROVIDE STAINLESS STEEL BAND WITH STAINLESS STEEL OR ZINC-PLATED HEX SCREW TO TIGHTEN BAND WITH A WORM-GEAR ACTION OR NYLON STRAP IN SIZES 3 THROUGH 18 INCHES TO SUIT DUCT SIZE. NON-CLAMP CONNECTORS INCLUDE LIQUID ADHESIVE PLUS TAPE, OR ADHESIVE PLUS SHEET METAL SCREWS.
 3. SUPPORTING FLEXIBLE DUCTS: FLEXIBLE DUCT AT MANUFACTURER'S RECOMMENDED INTERVALS, BUT AT NO GREATER DISTANCE THAN 4 FT. (1.2 M), PROVIDE SUFFICIENT SUPPORT SO THAT MAXIMUM CENTERLINE SAG IS 1/2 IN. PER FT. (42 MM PER METER) BETWEEN SUPPORTS. A CONNECTION TO RIGID DUCT OR EQUIPMENT MAY BE CONSIDERED A SUPPORT JOINT.
 - a. INSTALL EXTRA SUPPORTS AT BENDS PLACED APPROXIMATELY ONE-DUCT DIAMETER FROM CENTER LINE OF THE BEND.
 - b. DUCTS MAY REST ON CEILING JOISTS OR TRUSS SUPPORTS, SPACING BETWEEN SUPPORTS MUST NOT EXCEED THE MAXIMUM SPACING IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
 4. PROVIDE A MINIMUM OF 3 FEET IN LENGTH AND A MAXIMUM OF 10 FEET IN LENGTH.
- G. MISCELLANEOUS DUCTWORK MATERIALS: PROVIDE MISCELLANEOUS MATERIALS AND PRODUCTS OF TYPES AND SIZES INDICATED AND, WHERE NOT OTHERWISE INDICATED, PROVIDE TYPE AND SIZE REQUIRED TO COMPLY WITH DUCTWORK SYSTEM REQUIREMENTS INCLUDING PROPER CONNECTION OF DUCTWORK AND EQUIPMENT.
- H. DUCT SEALANT: NON-HARDENING, NON-MIGRATING MASTIC OR LIQUID ELASTIC SEALANT (TYPE APPLICABLE FOR FABRICATION/INSTALLATION DETAIL) AS COMPOUNDED AND RECOMMENDED BY MANUFACTURER SPECIFICALLY FOR SEALING JOINTS AND SEAMS IN DUCTWORK.
- I. DUCT CEMENT: NON-HARDENING MIGRATING MASTIC OR LIQUID NEOPRENE BASED CEMENT (TYPE APPLICABLE FOR FABRICATION/INSTALLATION DETAIL) AS COMPOUNDED AND RECOMMENDED BY MANUFACTURER SPECIFICALLY FOR CEMENTING FITTING COMPONENTS, OR LONGITUDINAL SEAMS IN DUCTWORK.
- J. FABRICATION:
1. SHOP FABRICATE DUCTWORK OF GAUGES AND REINFORCEMENT COMPLYING WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE".
 2. FABRICATE DUCT FITTINGS TO MATCH ADJOINING DUCTS, AND TO COMPLY WITH DUCT REQUIREMENTS AS APPLICABLE TO FITTINGS. EXCEPT AS OTHERWISE INDICATED, FABRICATE ELBOWS WITH CENTER-LINE RADIUS EQUAL TO ASSOCIATED DUCT WIDTH; AND FABRICATE TO INCLUDE TURNING VANES IN ELBOWS WHERE SHORTER RADIUS IS NECESSARY. LIMIT ANGULAR TAPERS TO 30 DEGREES FOR CONTRACTING TAPERS AND 20 DEGREES FOR EXPANDING TAPERS.
 3. DUCTWORK ELBOWS SHALL BE RADIUSSED ELBOWS WHERE PRACTICAL. RADIUSSED DUCTWORK ELBOWS SHALL HAVE A CENTERLINE RADIUS OF 1.5 TIMES THE DUCT WIDTH (OR DIAMETER) UNLESS NOTED OTHERWISE.
 4. ALL MITERED ELBOWS (RECTANGULAR AND ROUND) SHALL HAVE SINGLE THICKNESS TURNING VANES INSTALLED UNLESS NOTED OTHERWISE ON DRAWINGS.
- K. FACTORY-FABRICATED DUCTWORK: GALVANIZED SHEET STEEL COMPLYING WITH ASTM A 653 AND A924, MINIMUM 28 GA. FOR ROUND AND OVAL DUCTS AND FITTINGS, 4" THROUGH 24" DIAMETER. JOINT SEALING SHALL BE RATED TO MEET SMACNA LEAKAGE CLASS 3. PROVIDE ONE PIECE CONSTRUCTION FOR 90° AND 45° ELBOWS 14" AND SMALLER; PROVIDE MULTIPLE GORE CONSTRUCTION FOR ELBOWS OF LARGER DIAMETERS WITH STANDING SEAM CIRCUMFERENTIAL JOINT. PROVIDE 90° TEES, CONSTRUCTED WITH SADDLE PLAT SPOT WELDED AND BONDED TO DUCT FITTING BODY. INSTALLATION OF DUCTWORK: ASSEMBLE AND INSTALL DUCTWORK IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES WHICH WILL PREVENT AIR LEAKAGE, OR CAUSE AIR LEAKAGE TO BE NOISELESS (NO OBJECTIONABLE NOISE) SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE. INSTALL EACH RUN WITH MINIMUM OF JOINTS. ALIGN DUCTWORK ACCURATELY AT CONNECTIONS, WITHIN 1/8" MISALIGNMENT TOLERANCE AND WITH INTERNAL SURFACES SMOOTH. SUPPORT DUCTS RIGIDLY WITH SUITABLE TIES, BRACES, HANGERS AND ANCHORS OF TYPE WHICH WILL HOLD DUCTS TRUE-TO-SHAPE AND PREVENT BUCKLING.
1. SEAL DUCTWORK AFTER INSTALLATION, TO SEAL CLASS RECOMMENDED, AND METHOD PRESCRIBED IN SMACNA "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE".
 2. LOCATE DUCTWORK RUNS, EXCEPT AS OTHERWISE INDICATED, VERTICALLY AND HORIZONTALLY AND AVOID DIAGONAL RUNS WHEREVER POSSIBLE. LOCATE RUNS AS INDICATED BY DIAGRAMS, DETAILS AND NOTATIONS OR, IF NOT OTHERWISE INDICATED, RUN DUCTWORK IN SHORTEST ROUTE WHICH DOES NOT OBSTRUCT USEABLE SPACE OR BLOCK ACCESS FOR SERVICING BUILDING AND ITS EQUIPMENT. HOLD DUCTS CLOSE TO WALLS, OVERHEAD CONSTRUCTION, COLUMNS, AND OTHER STRUCTURAL AND PERMANENT-ENCLOSURE ELEMENTS OF BUILDING. LIMIT CLEARANCE TO 1/2" WHERE FURRING IS SHOWN FOR ENCLOSURE OR CONCEALMENT OF DUCTS, BUT ALLOW FOR INSULATION THICKNESS, IF ANY.
 3. WHERE POSSIBLE, LOCATE INSULATED DUCTWORK FOR 1" CLEARANCE OUTSIDE OF INSULATION, WHEREVER POSSIBLE IN FINISHED AND OCCUPIED SPACES, CONCEAL DUCTWORK FROM VIEW, BY LOCATING IN MECHANICAL SHAFTS, HOLLOW WALL CONSTRUCTION OR ABOVE SUSPENDED CEILINGS. DO NOT ENCASE HORIZONTAL RUNS IN SOLID PARTITIONS, EXCEPT AS SPECIFICALLY SHOWN. COORDINATE LAYOUT WITH SUSPENDED CEILING AND LIGHTING LAYOUTS AND SIMILAR FINISHED WORK.
 4. ELECTRICAL EQUIPMENT SPACES: DO NOT RUN DUCTWORK THROUGH TRANSFORMER VAULTS AND THEIR ELECTRICAL EQUIPMENT SPACES AND ENCLOSURES.
 5. WHERE DUCTS PASS THROUGH INTERIOR PARTITIONS AND EXTERIOR WALLS, CONCEAL SPACE BETWEEN CONSTRUCTION OPENING AND DUCT OR DUCT-PLUS INSULATION WITH SHEET METAL FLANGES OF SAME GAGE AS DUCT. OVERLAP OPENING ON 4 SIDES BY AT LEAST 1-1/2".
 6. COORDINATE DUCT INSTALLATIONS WITH INSTALLATION OF ACCESSORIES, DAMPERS, COIL FRAMES, EQUIPMENT, CONTROLS AND OTHER ASSOCIATED WORK OF DUCTWORK SYSTEM.
- L. DUCTWORK SUPPORT:
1. EXCEPT AS OTHERWISE INDICATED, PROVIDE HOT-DIPPED GALVANIZED STEEL FASTENERS, ANCHORS, RODS, STRAPS, TRIM AND ANGLES FOR SUPPORT OF DUCTWORK.
 2. VERTICALLY INSTALLED DUCTS MUST BE STABILIZED BY SUPPORT STRAPS AT A MAXIMUM OF 72 INCHES (1800 MM) O.C.
 3. SUPPORT DUCTWORK IN MANNER COMPLYING WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE" HANGERS AND SUPPORTS SECTION.
- M. CLEANING AND PROTECTION: CLEAN DUCTWORK INTERNALLY, UNIT-BY-UNIT AS IT IS INSTALLED, OF DUST AND DEBRIS. CLEAN EXTERNAL SURFACES OF FOREIGN SUBSTANCES WHICH MIGHT CAUSE CORROSIVE DETERIORATION OF METAL OR, WHERE DUCTWORK IS TO BE PAINTED, MIGHT INTERFERE WITH PAINTING OR CAUSE PAINT DETERIORATION. STRIP PROTECTIVE PAPER FROM STAINLESS STEEL SURFACES, AND REPAIR FINISH WHEREVER IT HAS BEEN DAMAGED. AT ENDS OF DUCTS WHICH ARE NOT CONNECTED TO EQUIPMENT OR AIR DISTRIBUTION DEVICES AT TIME OF DUCTWORK INSTALLATION, PROVIDE TEMPORARY CLOSURE OF POLYETHYLENE FILM OR OTHER COVERING WHICH WILL PREVENT ENTRANCE OF DUST AND DEBRIS UNTIL TIME CONNECTIONS ARE TO BE COMPLETED.

DUCT INSULATION

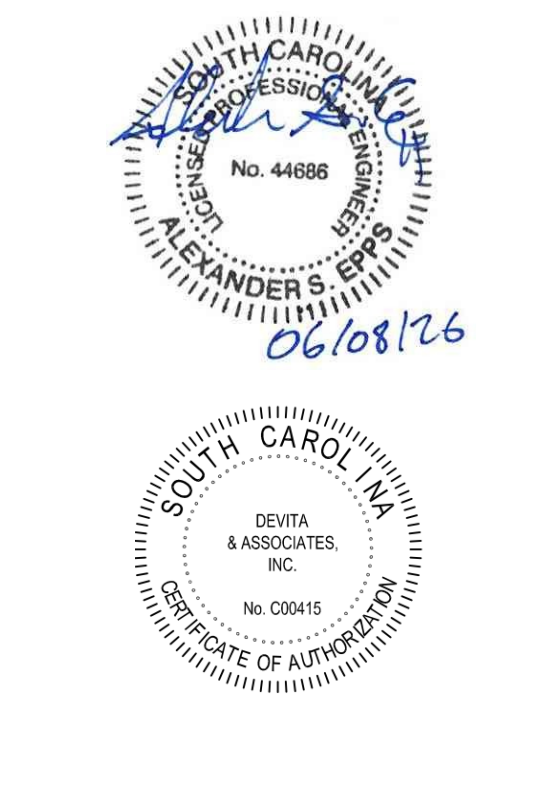
- A. PERFORMANCE REQUIREMENTS:
1. SURFACE-BURNING CHARACTERISTICS: ALL INSULATION INSTALLED INDOORS AND OUTDOORS- INSTALLED INSULATION IN CONTACT WITH AIRSTREAM SHALL HAVE A FLAME-SPREAD INDEX OF 25 OR LESS, AND SMOKE-DEVELOPED INDEX OF 50 OR LESS.
 2. INSULATION PRODUCTS SHALL NOT CONTAIN ASBESTOS, LEAD, MERCURY, OR MERCURY COMPOUNDS. PRODUCTS THAT COME IN CONTACT WITH STAINLESS STEEL SHALL HAVE A LEACHABLE CHLORIDE CONTENT OF LESS THAN 50 PPM WHEN TESTED IN ACCORDANCE WITH ASTM C871. FOAM INSULATION MATERIALS DO NOT USE CFC OR HCFC BLOWING AGENTS IN THE MANUFACTURING PROCESS.
 3. GLASS-FIBER BLANKET: GLASS FIBERS BONDED WITH A THERMOSETTING RESIN; SUITABLE FOR MAXIMUM USE TEMPERATURE UP TO 250 DEG F IN ACCORDANCE WITH ASTM C411.
- B. INSTALLATION: CLEAN AND DRY SURFACES TO RECEIVE INSULATION. REMOVE MATERIALS THAT WILL ADVERSELY AFFECT INSULATION APPLICATION. INSTALL INSULATION MATERIALS, ACCESSORIES, AND FINISHES WITH SMOOTH, STRAIGHT, AND EVEN SURFACES; FREE OF VOIDS THROUGHOUT THE LENGTH OF DUCTS AND FITTINGS.
1. INSTALL ACCESSORIES COMPATIBLE WITH INSULATION MATERIALS AND SUITABLE FOR THE SERVICE.
 2. INSTALL ACCESSORIES THAT DO NOT CORRODE, COMPRESS, OR OTHERWISE DAMAGE INSULATION OR JACKET.
 3. INSTALL INSULATION WITH LONGITUDINAL SEAMS AT TOP AND BOTTOM OF HORIZONTAL RUNS.
 4. INSTALL MULTIPLE LAYERS OF INSULATION WITH LONGITUDINAL AND END SEAMS STAGGERED.
 5. INSTALL INSULATION WITH LEAST NUMBER OF JOINTS PRACTICAL.
 6. SEAL VAPOR BARRIER JOINTS, SEAMS, AND PENETRATIONS IN INSULATION AT HANGERS, SUPPORTS, ANCHORS, AND OTHER PROJECTIONS WITH VAPOR-BARRIER MASTIC.
- C. PENETRATIONS: INSTALL INSULATION CONTINUOUSLY THROUGH ROOF PENETRATIONS, ABOVE GROUND EXTERIOR WALL PENETRATIONS AND INTERIOR WALLS THAT ARE NOT FIRE-RATED, AT FIRE-RATED WALLS, TERMINATE INSULATION AT FIRE DAMPER SLEEVES FOR FIRE-RATED WALL AND PARTITION PENETRATIONS. EXTERNALLY, INSULATE DAMPER SLEEVES TO MATCH ADJACENT INSULATION AND OVERLAP DUCT INSULATION AT LEAST 2 INCHES. COMPLY WITH REQUIREMENTS FOR FIRESTOPPING AND FIRE-RESISTIVE JOINT SEALERS.
- D. DUCT INSULATION SCHEDULE, GENERAL:
1. ITEMS NOT INSULATED:
 - a. METAL DUCTS WITH DUCT LINER OF SUFFICIENT THICKNESS TO COMPLY WITH ENERGY CODE AND ASHRAE/IESNA 90.1.
 - b. FACTORY-INSULATED FLEXIBLE DUCTS.
 - c. FACTORY-INSULATED PLENUMS AND CASINGS.
 - d. FLEXIBLE CONNECTORS.
 - e. VIBRATION-CONTROL DEVICES.
 - f. FACTORY-INSULATED ACCESS PANELS AND DOORS.
 2. SUPPLY AIR AND RETURN AIR DUCTWORK CONCEALED ABOVE LAY-IN OR GYPSUM CEILINGS SHALL BE INSULATED WITH A MINIMUM 2" THICK, 1 LB. PER CUBIC FOOT, FIBERGLASS DUCTWRAP, WITH 1/8" GAP FACED VAPOR BARRIER AND AN INSULATE DAMPER SLEEVE TO MATCH ADJACENT INSULATION.
 3. ALTERNATIVE INSULATION FOR RECTANGULAR SUPPLY AND RETURN DUCT SHALL BE AN INTERIOR DUCT LINING WITH A MINIMUM 1-1/2" THICK, 1.5 LB. PER CUBIC FOOT DUCT LINER. DUCT LINER SHALL CONTAIN AN ANTI-MICROBIAL AGENT WITHIN THE DUCT LINING ITSELF. MINIMUM "R" VALUE SHALL BE R-6.0. INCREASE DUCT SHEET METAL SIZE AS REQUIRED TO MEET INSIDE CLEAR DIMENSIONS GIVEN ON DRAWINGS.
 4. ALL EXPOSED FLAT OVAL AND SPIRAL ROUND DUCTWORK SHALL BE DOUBLE WALL DUCT OR INTERNALLY LINED WITH A MINIMUM 1-1/2" THICK, 1.5 LB. PER CUBIC FOOT DUCT LINER. DUCT LINER SHALL CONTAIN AN ANTI-MICROBIAL AGENT WITHIN THE DUCT LINING ITSELF. MINIMUM "R" VALUE SHALL BE R-6.0. INCREASE DUCT SHEET METAL SIZE AS REQUIRED TO MEET INSIDE CLEAR DIMENSIONS GIVEN ON DRAWINGS.
 5. ALL DUCT INSULATION SHALL MEET THE MINIMUM REQUIREMENTS OF UL 181 FOR FLAME SPREAD AND SMOKE DEVELOPMENT, AND SHALL BE UL LISTED.
 6. TRANSFER DUCTS SHALL BE INTERNALLY LINED TO AID IN CANCELING NOISE TRANSFER.
 7. EXHAUST DUCTWORK DOWNSTREAM OF THE BACKDRAFT DAMPER SHALL BE INSULATED UNLESS NOTED OTHERWISE.

DUCTWORK ACCESSORIES

- A. QUALITY ASSURANCE: COMPLY WITH APPLICABLE PORTIONS OF SMACNA "HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE". COMPLY WITH ASHRAE RECOMMENDATIONS PERTAINING TO CONSTRUCTION OF DUCTWORK ACCESSORIES, EXCEPT AS OTHERWISE INDICATED. CONSTRUCT, TEST, AND LABEL FIRE DAMPERS IN ACCORDANCE WITH UL STANDARD FOR "FIRE DAMPERS AND CEILING DAMPERS". COMPLY WITH APPLICABLE PROVISIONS OF NFPA 90A "AIR CONDITIONING AND VENTILATING SYSTEMS", PERTAINING TO INSTALLATION OF DUCTWORK ACCESSORIES.
- B. DAMPERS:
1. LOW PRESSURE MANUAL DAMPERS: PROVIDE DAMPERS OF SINGLE BLADE TYPE OR MULTIBLADE TYPE, CONSTRUCTED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". PROVIDE REMOTE VOLUME CONTROL REGULATORS FOR VOLUME CONTROL DAMPERS WHERE ACCESS IS LIMITED.
 2. BACKDRAFT DAMPERS: PROVIDE GRAVITY BALANCED DAMPERS WITH PARALLEL, END-PIVOTED BLADES AND COUNTERBALANCE. CONSTRUCT FRAME AND BLADES OF EITHER 16-GA. GALVANIZED STEEL OR ALUMINUM. BLADE SEALS SHALL BE VINYL. BLADE AXLES SHALL BE PLATED STEEL, AND BEARINGS SHALL BE SYNTHETIC PIVOT BUSHINGS.
 3. CONTROL DAMPERS: PROVIDE DAMPERS WITH PARALLEL BLADES FOR 2-POSITION CONTROL, OR OPPOSED BLADES FOR MODULATING CONTROL. CONSTRUCT BLADES OF 16-GA. STEEL, PROVIDE HEAVY-DUTY MOLDED SELF-LUBRICATING NYLON BEARINGS, 1/2" DIAMETER STEEL AXLES SPACED ON 9" CENTERS. CONSTRUCT FRAME OF 2" X 1/2" X 1/8" STEEL CHANNEL FOR FACE AREAS 25 SQ. FT. AND UNDER; 4" X 1-1/4" X 16-GA. CHANNEL FOR FACE AREAS OVER 25 SQ. FT. PROVIDE GALVANIZED STEEL FINISH WITH ALUMINUM TOUCH-UP.
- C. TURNING VANES: MANUFACTURED TURNING VANES: PROVIDE TURNING VANES CONSTRUCTED OF 1-1/2" WIDE CURVED BLADES SET AT 3/4" O.C., SUPPORTED WITH BARS PERPENDICULAR TO BLADES SET AT 2" O.C., AND SET INTO SIDE STRIPS SUITABLE FOR MOUNTING IN DUCTWORK. DUCT HARDWARE: PROVIDE DUCT HARDWARE, MANUFACTURED BY ONE MANUFACTURER FOR ALL ITEMS ON PROJECT, FOR THE FOLLOWING:
1. TEST HOLES: PROVIDE IN DUCTWORK AT FAN INLET AND OUTLET, AND ELSEWHERE AS INDICATED, DUCT TEST HOLES, CONSISTING OF SLOT AND COVER, FOR INSTRUMENT TESTS.
 2. QUADRANT LOCKS: PROVIDE FOR EACH DAMPER, QUADRANT LOCK DEVICE ON ONE END OF SHAFT; AND END BEARING PLATE ON OTHER END FOR DAMPER LENGTHS OVER 12". PROVIDE EXTENDED QUADRANT LOCKS AND END EXTENDED BEARING PLATES FOR EXTERNALLY INSULATED DUCTWORK.
- D. DUCT ACCESS DOORS: PROVIDE WHERE INDICATED, DUCT ACCESS DOORS OF SIZE INDICATED. CONSTRUCT OF SAME OR GREATER GAUGE AS DUCTWORK SERVED. PROVIDE INSULATED DOORS FOR INSULATED DUCTWORK. PROVIDE FLUSH FRAMES FOR UNINSULATED DUCTWORK, EXTENDED FRAMES FOR EXTERNALLY INSULATED DUCT. PROVIDE ONE SIDE HINGED, OTHER SIDE WITH ONE HANDLE-TYPE LATCH FOR DOORS 12" HIGH AND SMALLER, 2 HANDLE-TYPE LATCHES FOR LARGER DOORS.
- E. FLEXIBLE CONNECTIONS: PROVIDE FLEXIBLE DUCT CONNECTIONS WHEREVER DUCTWORK CONNECTS TO VIBRATION ISOLATED EQUIPMENT. CONSTRUCT FLEXIBLE CONNECTIONS OF NEOPRENE-COATED FLAMEPROOF FABRIC CRIMPED INTO DUCT FLANGES FOR ATTACHMENT TO DUCT AND EQUIPMENT. MAKE AIRTIGHT JOINT. PROVIDE ADEQUATE JOINT FLEXIBILITY TO ALLOW FOR THERMAL, AXIAL, TRANSVERSE, AND TORSIONAL MOVEMENT, AND ALSO CAPABLE OF ABSORBING VIBRATIONS OF CONNECTED EQUIPMENT.
- F. INSTALLATION OF DUCTWORK ACCESSORIES: INSTALL DUCTWORK ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, WITH APPLICABLE PORTIONS OF DETAILS OF CONSTRUCTION AS SHOWN IN SMACNA STANDARDS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES TO ENSURE THAT PRODUCTS SERVE INTENDED FUNCTION.



Seal



Project



YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION

Project Number 26102
Drawn By ASE
Checked By ASE
Date 06 APR 2026

Revisions

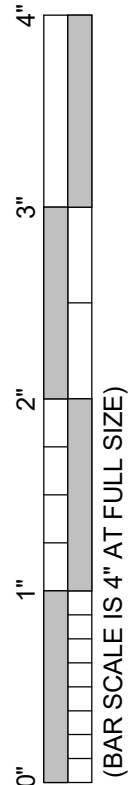
A 31 MAR 2026 ISSUE FOR PERMIT
B 08 JUN 2026 ISSUE FOR BID

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MECHANICAL
SPECIFICATIONS

M0.03

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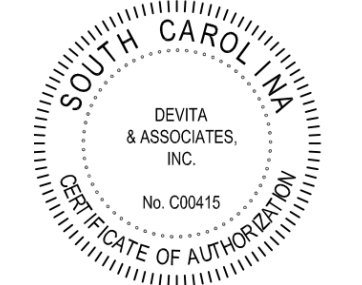
AIR OUTLETS AND INLETS

- A. QUALITY ASSURANCE: TEST AND RATE AIR OUTLETS AND INLETS IN ACCORDANCE WITH AHRI 650 "STANDARD FOR AIR OUTLETS AND INLETS". TEST AND RATE AIR OUTLETS AND INLETS IN ACCORDANCE WITH ASHRAE 70 "METHOD OF TESTING FOR RATING THE AIR FLOW PERFORMANCE OF OUTLETS AND INLETS". INSTALL AIR OUTLETS AND INLETS IN ACCORDANCE WITH NFPA 90A "STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS".
- B. PRODUCT DELIVERY, STORAGE AND HANDLING: DELIVER AIR OUTLETS AND INLETS WRAPPED IN FACTORY-FABRICATED FIBER-BOARD TYPE CONTAINERS. IDENTIFY ON OUTSIDE OF CONTAINER TYPE OF OUTLET OR INLET AND LOCATION TO BE INSTALLED. AVOID CRUSHING OR BENDING AND PREVENT DIRT AND DEBRIS FROM ENTERING AND SETTLING IN DEVICES.
- C. AIR TERMINALS: EXCEPT AS OTHERWISE INDICATED, PROVIDE MANUFACTURER'S STANDARD AIR TERMINALS WHERE SHOWN; OF SIZE, SHAPE, CAPACITY, AND TYPE INDICATED; CONSTRUCTED OF MATERIALS AND COMPONENTS AS INDICATED, AND AS REQUIRED FOR COMPLETE INSTALLATION.
1. PROVIDE CEILING AIR DIFFUSERS THAT HAVE, AS MINIMUM, TEMPERATURE AND VELOCITY TRAVERSES, THROW AND DROP, AND NOISE CRITERIA RATINGS FOR EACH SIZE DEVICE AS LISTED IN MANUFACTURER'S CURRENT DATA.
 2. PROVIDE CEILING AIR DIFFUSERS WITH BORDER STYLES THAT ARE COMPATIBLE WITH ADJACENT CEILING SYSTEMS, AND THAT ARE SPECIFICALLY MANUFACTURED TO FIT INTO CEILING MODULE WITH ACCURATE FIT AND ADEQUATE SUPPORT. REFER TO GENERAL CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR TYPES OF CEILING SYSTEMS WHICH WILL CONTAIN EACH TYPE OF CEILING AIR DIFFUSER.
 3. PROVIDE SURFACE MOUNT AIR TERMINALS WITH FRAME TYPE THAT IS SUITABLE FOR THE SURFACE ON WHICH IT IS INSTALLED.
 4. DIFFUSER DAMPERS:
 - a. PROVIDE EACH SUPPLY AIR OUTLET OR DIFFUSER WITH ITS OWN BALANCING DEVICE. DEVICES CAN BE LOCATED IN DUCTWORK OR SUPPLY AIR DEVICE ITSELF.
 - b. FIRE DAMPER: COMBINATION ADJUSTABLE OPPOSED BLADE DAMPER AND FUSIBLE LINK FIRE DAMPER WITH UL APPROVED LINK AND ASSEMBLY DESIGNED TO MEET REQUIREMENTS OF NFPA 90A.
- D. INSTALLATION: INSTALL AIR OUTLETS AND INLETS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES TO INSURE THAT PRODUCTS SERVE INTENDED FUNCTIONS. COORDINATE WITH OTHER WORK, INCLUDING DUCTWORK AND DUCT ACCESSORIES, AS NECESSARY TO INTERFACE INSTALLATION OF AIR OUTLETS AND INLETS WITH OTHER WORK. COORDINATE LOCATIONS OF GRILLES, REGISTERS, AND DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS SHOWN ARE APPROXIMATE. ADJUST LOCATIONS IN THE FIELD AS REQUIRED BY CONSTRUCTION CONSTRAINTS.

TESTING, ADJUSTING, AND BALANCING

- A. DESCRIPTION OF WORK: EXTENT OF TESTING, ADJUSTING, AND BALANCING WORK REQUIRED BY THIS SECTION IS INDICATED BY DRAWINGS, SCHEDULES, AND REQUIREMENTS OF THIS SECTION; EXTENT OF WORK IS DEFINED TO INCLUDE, BUT IS NOT NECESSARILY LIMITED TO, AIR DISTRIBUTION SYSTEMS AND ASSOCIATED EQUIPMENT AND APPARATUS OF MECHANICAL WORK. THE WORK CONSISTS OF SETTING SPEED AND VOLUME (FLOW), ADJUSTING FACILITIES PROVIDED FOR SYSTEMS, RECORDING DATA, CONDUCTING TESTS, PREPARING AND SUBMITTING REPORTS, AND RECOMMENDING MODIFICATIONS TO WORK AS REQUIRED BY CONTRACT DOCUMENTS.
- B. COMPONENT TYPES OF TESTING, ADJUSTING, AND BALANCING SPECIFIED IN THIS SECTION INCLUDES THE FOLLOWING AS APPLIED TO MECHANICAL EQUIPMENT:
1. FANS.
 2. AIR-CONDITIONING UNITS.
 3. DUCTWORK SYSTEMS.
 4. CONDENSERS.
 5. COILS AND HEAT EXCHANGERS.
- C. QUALITY ASSURANCE: COMPLY WITH EITHER NEBB'S "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, AND BALANCING OF ENVIRONMENTAL SYSTEMS" AS APPLICABLE TO MECHANICAL AIR SYSTEMS, AND ASSOCIATED EQUIPMENT AND APPARATUS, OR AABC'S MANUAL MN-1 "AABC NATIONAL STANDARDS", AS APPLICABLE TO MECHANICAL AIR AND ASSOCIATED EQUIPMENT AND APPARATUS.
- D. SUPPLY AIR AND EXHAUST SHOULD BE BALANCED TO WITHIN 10% OF THE AIR FLOWS INDICATED ON THE DRAWINGS FOR AIR VOLUMES MORE THAN 100 CFM. AIR FLOWS LESS THAN 100 CFM SHALL BE ADJUSTED TO WITHIN 10 CFM.
- E. SUBMITTALS: SUBMIT CERTIFIED TEST REPORTS, SIGNED BY TEST AND BALANCE SUPERVISOR WHO PERFORMED TAB WORK.
- F. JOB CONDITIONS: DO NOT PROCEED WITH TESTING, ADJUSTING, AND BALANCING WORK UNTIL WORK HAS BEEN COMPLETED AND IS OPERABLE. ENSURE THAT THERE IS NO LATENT RESIDUAL WORK STILL TO BE COMPLETED.
- G. PATCHING MATERIALS: EXCEPT AS OTHERWISE INDICATED, USE SAME PRODUCTS AS USED BY ORIGINAL INSTALLER FOR PATCHING HOLES IN INSULATION, DUCTWORK AND HOUSINGS WHICH HAVE BEEN CUT OR DRILLED FOR TEST PURPOSES, INCLUDING ACCESS FOR TEST INSTRUMENTS, ATTACHING JIGS, AND SIMILAR PURPOSES. AT TESTER'S OPTION, PLASTIC PLUGS WITH RETAINERS MAY BE USED TO PATCH DRILLED HOLES IN DUCTWORK AND HOUSINGS.
- H. TEST INSTRUMENTS: UTILIZE TEST INSTRUMENTS AND EQUIPMENT FOR TAB WORK REQUIRED, OF TYPE, PRECISION, AND CAPACITY AS RECOMMENDED IN THE FOLLOWING TAB STANDARDS: EITHER NEBB'S PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, AND BALANCING OF ENVIRONMENTAL SYSTEMS, OR MBC'S MANUAL MN-1 "AABC NATIONAL STANDARDS".
- I. PREPARE REPORT OF TEST RESULTS, INCLUDING INSTRUMENTATION CALIBRATION REPORTS, IN FORMAT RECOMMENDED BY APPLICABLE STANDARDS. REPORT TO ALSO INCLUDE OUTDOOR AIR TEMPERATURE AT TIME OF TESTING, ENTERING AIR TEMPERATURE AND LEAVING AIR TEMPERATURE AT THE COIL(S), AIR TEMPERATURE AT ONE SUPPLY AIR DIFFUSER AND RETURN AIR GRILLE IN EACH ZONE, AND SPACE TEMPERATURE FOR EACH SYSTEM.
- J. PATCH HOLES IN INSULATION, DUCTWORK, AND HOUSINGS, WHICH HAVE BEEN CUT OR DRILLED FOR TEST PURPOSES, IN A MANNER RECOMMENDED BY ORIGINAL INSTALLER.
- K. MARK EQUIPMENT SETTINGS, INCLUDING DAMPER CONTROL POSITIONS, VALVE INDICATORS, FAN SPEED CONTROL LEVERS, AND SIMILAR CONTROLS AND DEVICES, TO SHOW FINAL SETTINGS AT COMPLETION OF TAB WORK. PROVIDE MARKINGS WITH PAINT OR OTHER SUITABLE PERMANENT IDENTIFICATION MATERIALS.
- L. PREPARE REPORT OF RECOMMENDATIONS FOR CORRECTING UNSATISFACTORY MECHANICAL PERFORMANCES WHEN SYSTEM CANNOT BE SUCCESSFULLY BALANCED; INCLUDING, WHERE NECESSARY, MODIFICATIONS WHICH EXCEED REQUIREMENTS OF CONTRACT DOCUMENTS FOR MECHANICAL WORK.
- M. RETEST, ADJUST, AND BALANCE SYSTEMS SUBSEQUENT TO SIGNIFICANT SYSTEM MODIFICATIONS, AND RESUBMIT TEST RESULTS.
- N. A COPY OF THE TEST AND BALANCE REPORT SHALL BE TRANSMITTED TO THE OWNER AND ENGINEER AND TO THE LOCAL CODE OFFICIALS AS REQUIRED.

Seal



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Project



**YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION**

Project Number 26102
Drawn By ASE
Checked By ASE
Date 06 APR 2026

Revisions

A	31 MAR 2026	ISSUE FOR PERMIT
B	08 JUN 2026	ISSUE FOR BID

Drawing

**MECHANICAL
SPECIFICATIONS**

M0.04

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DIAGRAM	SYMBOL	LEGEND	CONT.No	PAGE
---	---	DESCRIPTION		
---	---	POWER WIRE		
---	---	CONTROL WIRE		
---	---	REF. PIPE		

PIPING AND CONTROL NAME				
SYMBOL	BRANCH	PIPE	MODEL	NAME
J1	CMY-R302S-G1			
J2	CMY-R303S-G1			
J3	CMY-R306S-G			
J4	CMY-R200NCBK			
J5	CMY-R160-J1			
J6	CMY-R301S-G			
SYMBOL	LIQUID	PIPE	GAS	PIPE SIZE
P1	1/4	1/2		
P2	3/8	5/8		
P3	3/8	1/4	7/8	
P4	7/8	1-1/8		
P5	3/4	1		
P6		1-1/8		
P7	3/8	3/4		
P8	7/8	1-3/8		
P9	3/8	7/8		
P10	3/4	1-1/8		
SYMBOL	MODEL NUMBER			
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MA	TAR-31MAU-J			

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1 VRF SYSTEM DIAGRAM - DEMOLITION
MO.05 12" = 1'-0"

DIAGRAM	SYMBOL	LEGEND	CONT.No	PAGE
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---	---	POWER WIRE		
---	---	CONTROL WIRE		
---	---	REF. PIPE		

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R302S-G1
J2	CMY-R303S-G1
J3	CMY-R306S-G
J4	CMY-R200NCBK
J5	CMY-R160-J1
J6	CMY-R301S-G
SYMBOL	LIQUID PIPE GAS PIPE SIZE
P1	1/4 1/2
P2	3/8 5/8
P3	3/8 3/4 7/8
P4	7/8 1 1/8
P5	3/4 1 1/8
P6	3/8 1 1/8
P7	3/8 3/4 1 3/8
P8	3/8 7/8
P9	3/8 7/8
P10	3/4 1 1/8
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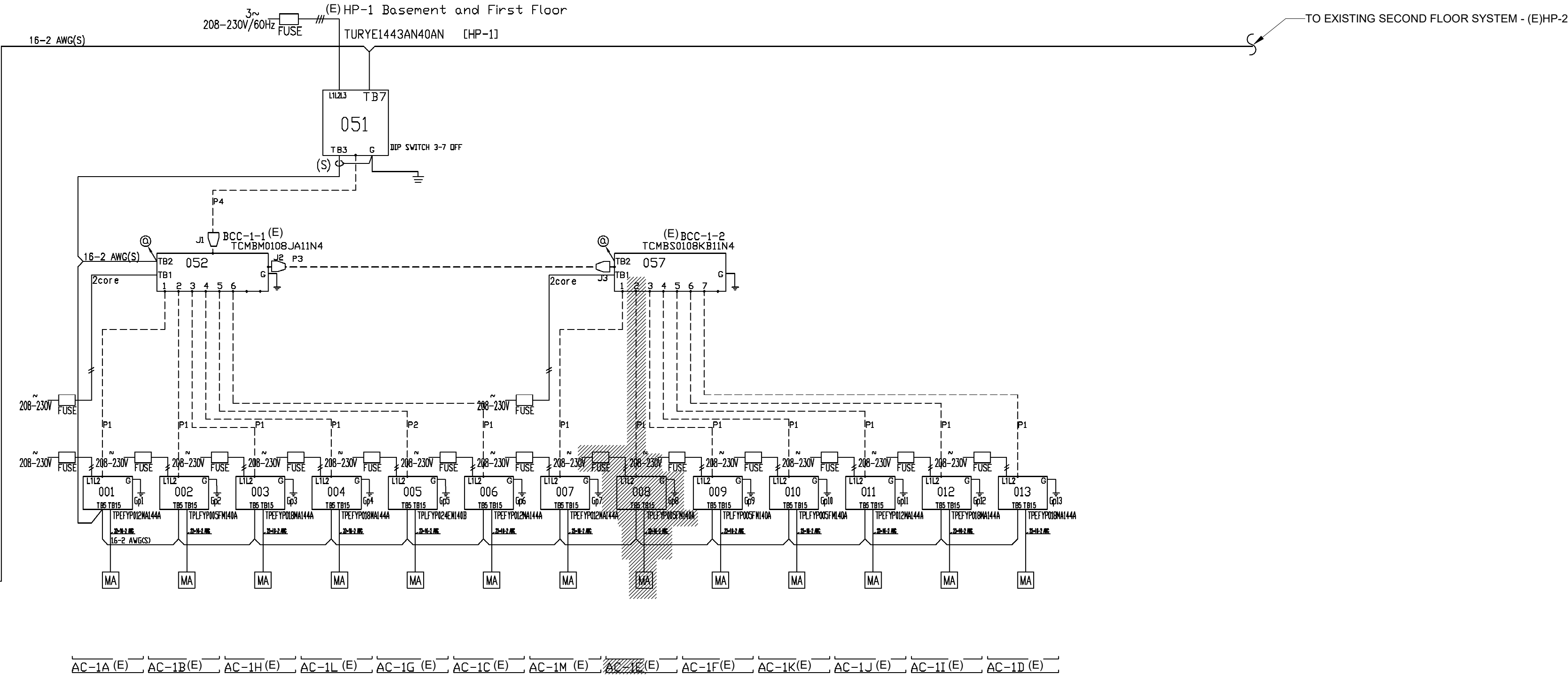
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2 VRF SYSTEM DIAGRAM - NEW WORK
MO.05 12" = 1'-0"

CITY MULTI SYSTEM SCHEMATIC DWG.

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
1.25mm³(16 AWG) : 1.25mm³(16 AWG) or more. 0.75mm³(20 AWG) : between 0.5mm³(24 AWG) and 0.75mm³(20 AWG).

Codes Notes
NOTE 1: Install twinning 1/2 within 15 degrees of level and with 20 inches of straight pipe on converging connection - reference installation manual for additional details including but not limited to special trapping requirements when twinning, and pipe slope requirements.

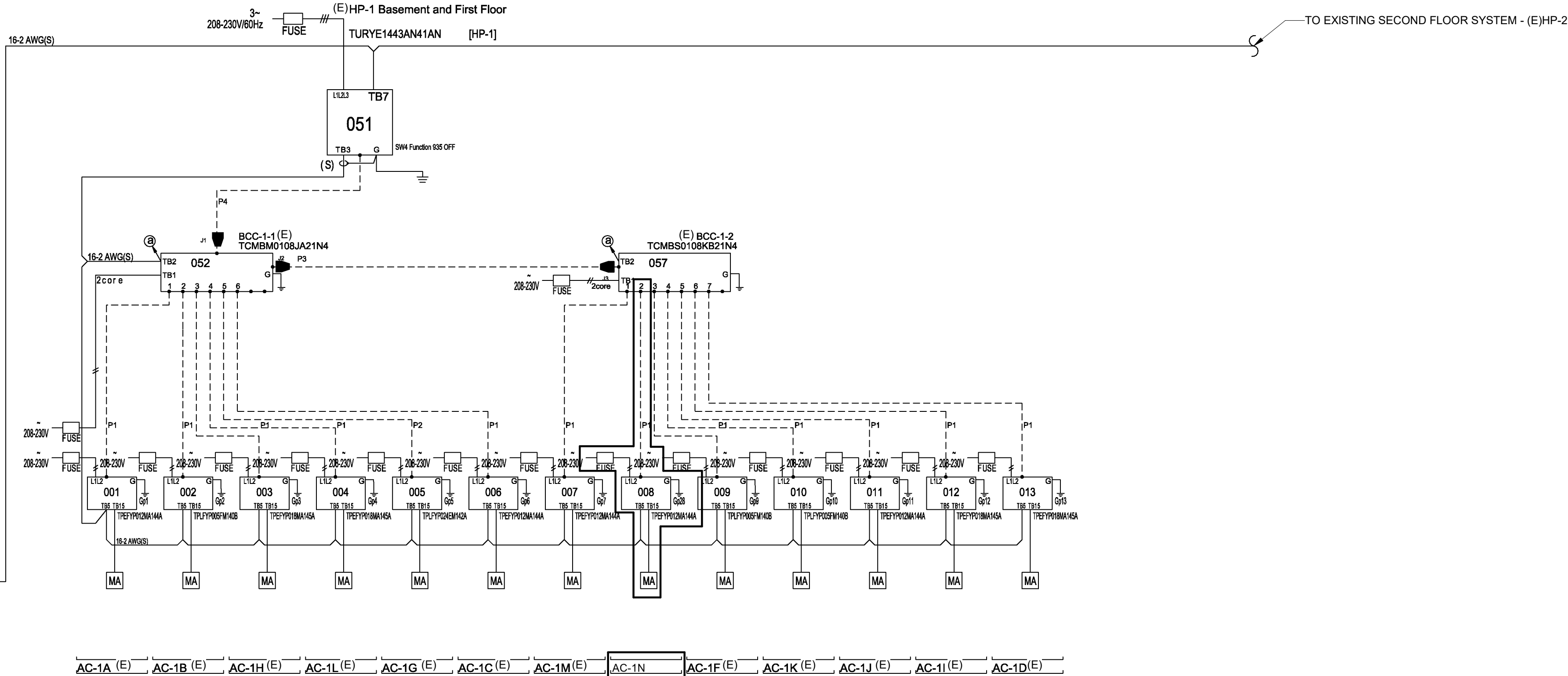


REMARKS
Originator: Joe Holman
Comments:

CITY MULTI SYSTEM SCHEMATIC DWG.

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REMARKS
Originator: Joe Holman
Comments:

GENERAL NOTE REGARDING UNIT DIAGRAMS:

THESE DIAGRAMS ARE BY THE BASIS OF DESIGN MANUFACTURER AND ARE REPRODUCED HEREIN FOR REFERENCE ONLY. REFER TO THE LATEST EDITION OF THE SELECTED SYSTEM MANUFACTURER'S INSTALLATION AND OPERATING DOCUMENTATION FOR EXACT REQUIREMENTS. THE CONTRACTOR SHALL HAVE A WORKING KNOWLEDGE OF THIS SYSTEM, AND WHERE A DISCREPANCY REGARDING SPECIFIC EQUIPMENT OPERATING OR CONNECTION REQUIREMENTS EXISTS BETWEEN THE DETAILS REPRODUCED HEREIN AND THE SELECTED MANUFACTURER'S LATEST DOCUMENTATION, THE LATTER SHALL TAKE PRECEDENCE.

Seal



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Project



**YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION**

Project Number 26102
Drawn By ASE
Checked By ASE
Date 06 APR 2026

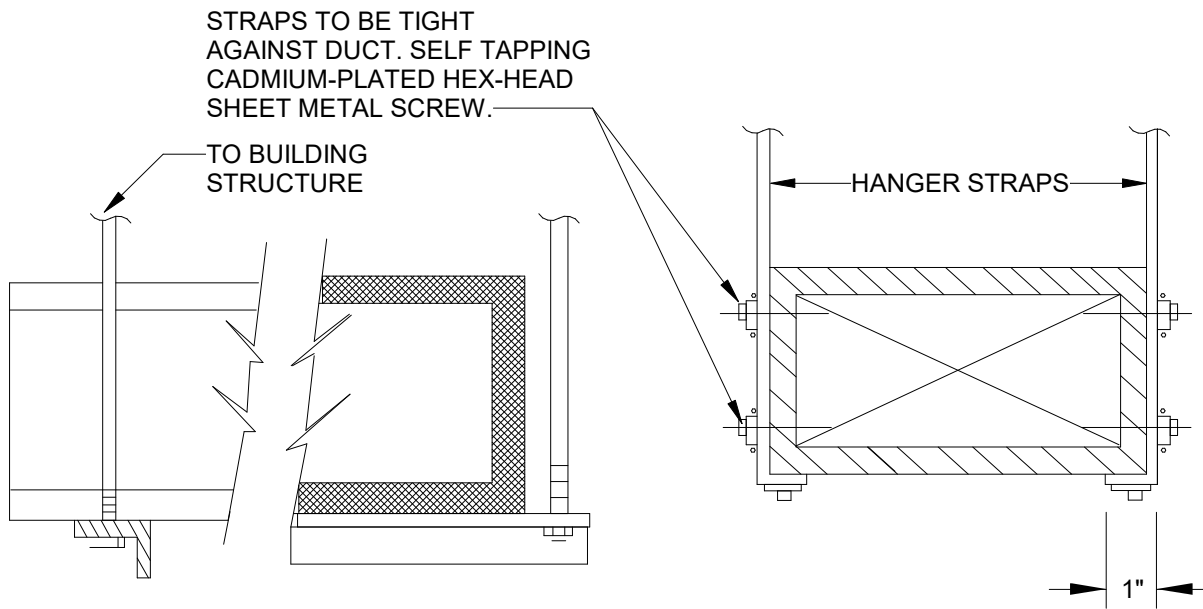
Revisions
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Drawing

**MECHANICAL
EQUIPMENT
DIAGRAMS**

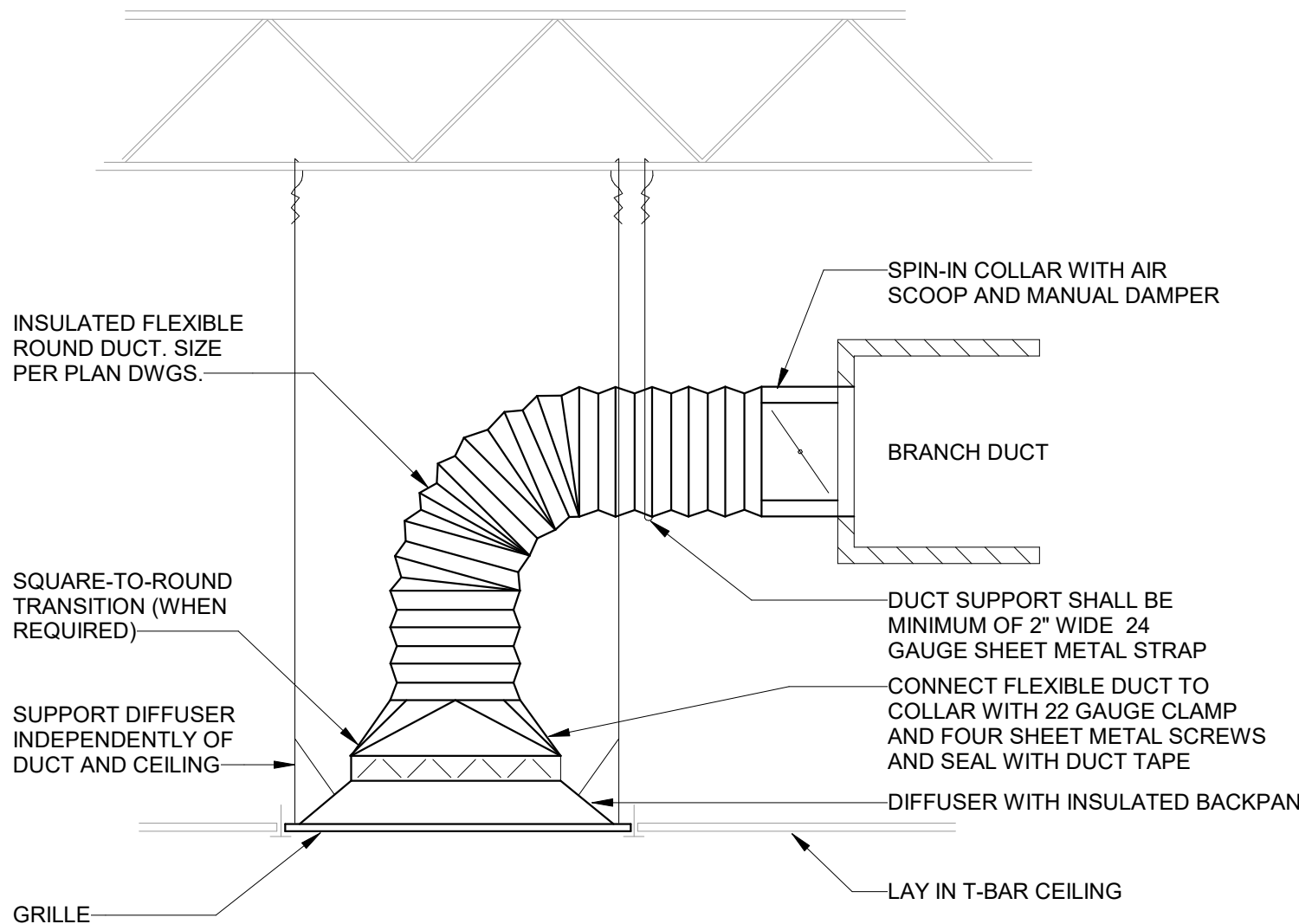
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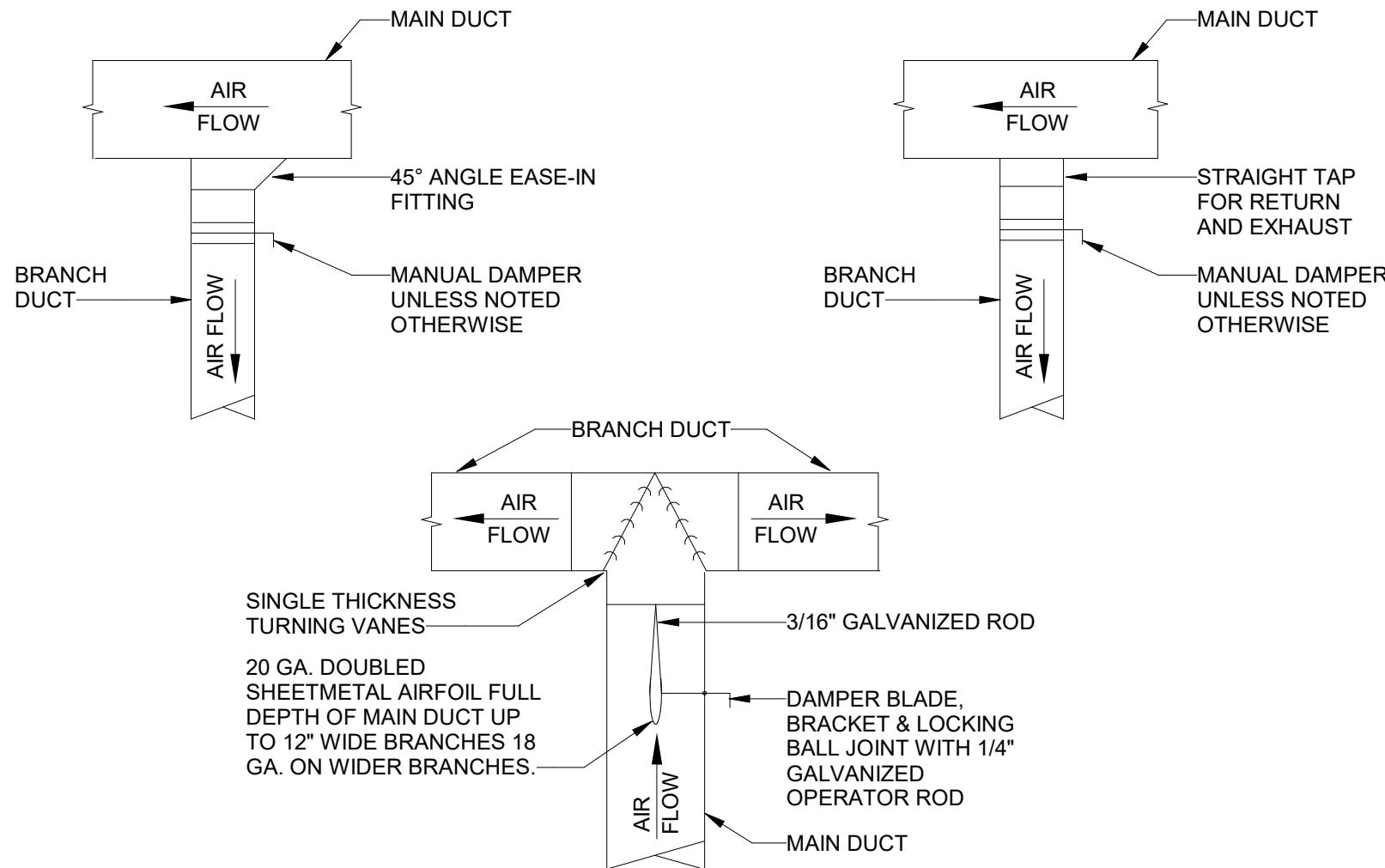


HANGER SIZES FOR RECTANGULAR DUCTS			
MAX. SIDE	HANGER	SUPPORT ANGLE HORIZONTAL	SPACING MAXIMUM
30"	1"x18" GAUGE STRAP	NONE REQUIRED	10'-0"
36"	1/4" ROUND ROD	1-1/2" x 1-1/2" x 1/8"	8'-0"
48"	1/4" ROUND ROD	2" x 2" x 1/8"	8'-0"
60"	5/16" ROUND ROD	2" x 2" x 1/8"	8'-0"
84"	3/8" ROUND ROD	2" x 2" x 1/8"	8'-0"

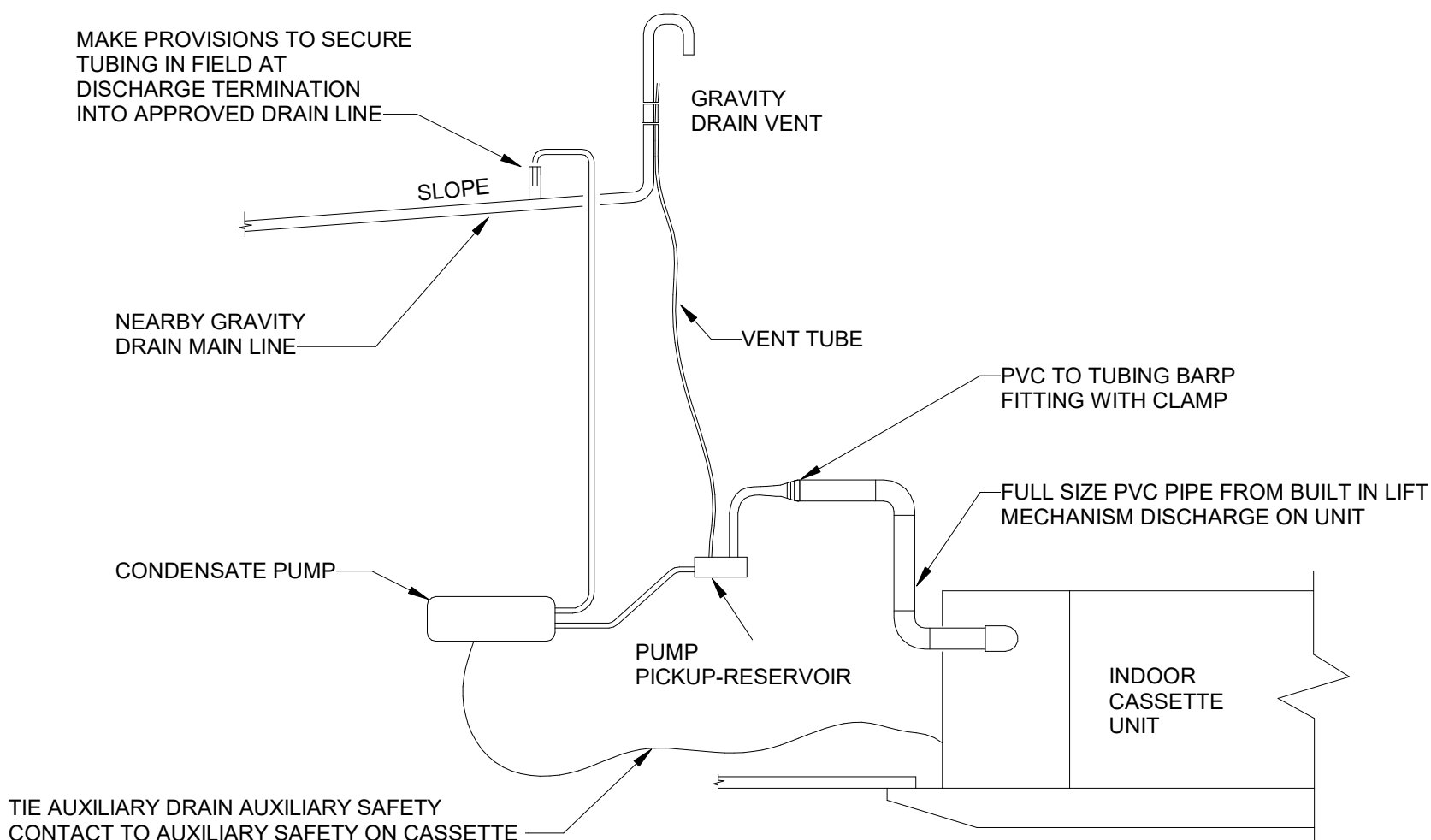
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NOT TO SCALE



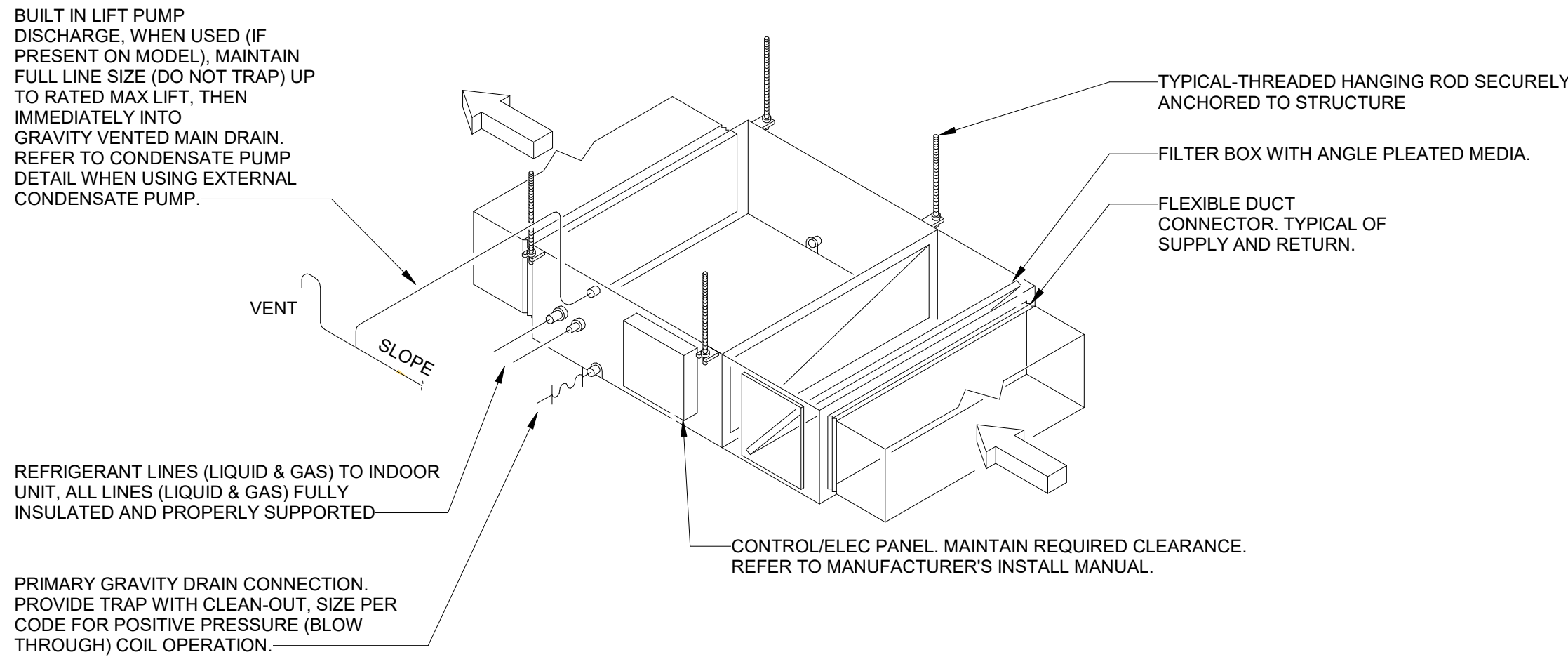
2 SUPPLY DIFFUSER INSTALLATION (FLEX DUCT)
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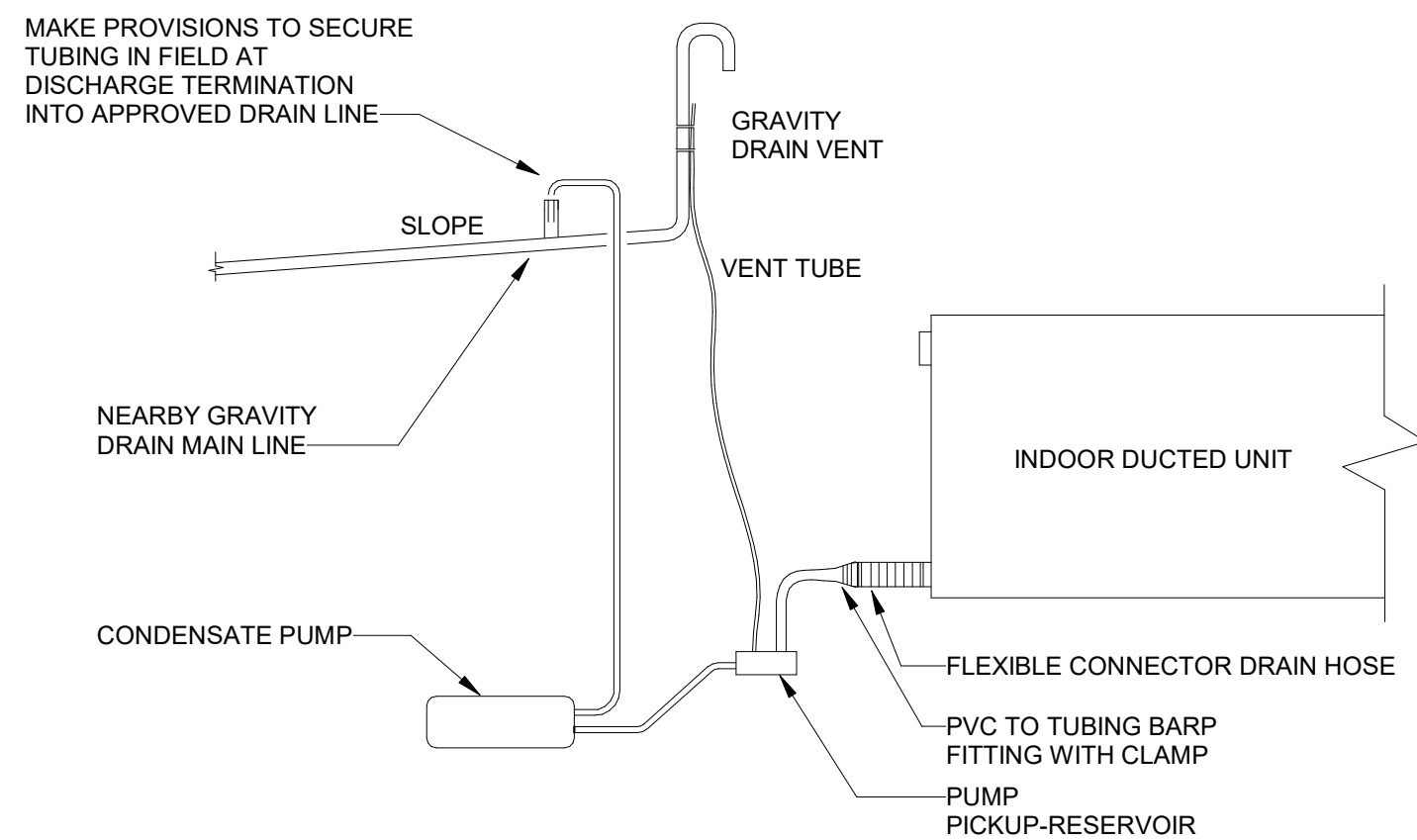
3 TYPICAL RECTANGULAR LOW-PRESSURE BRANCH TAKE-OFFS
NOT TO SCALE



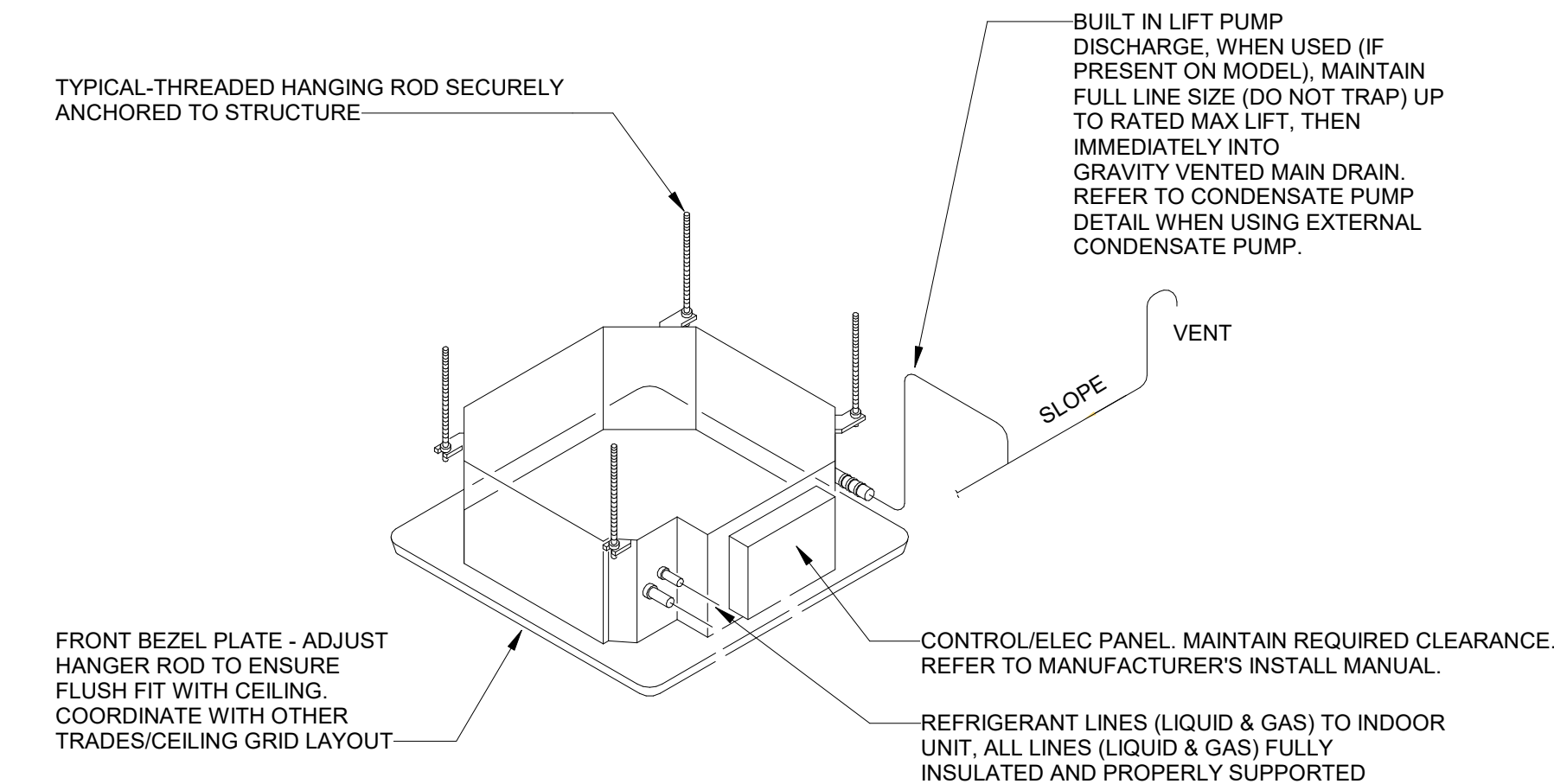
4 CONDENSATE PUMP ON INDOOR CASSETTE UNIT
NOT TO SCALE



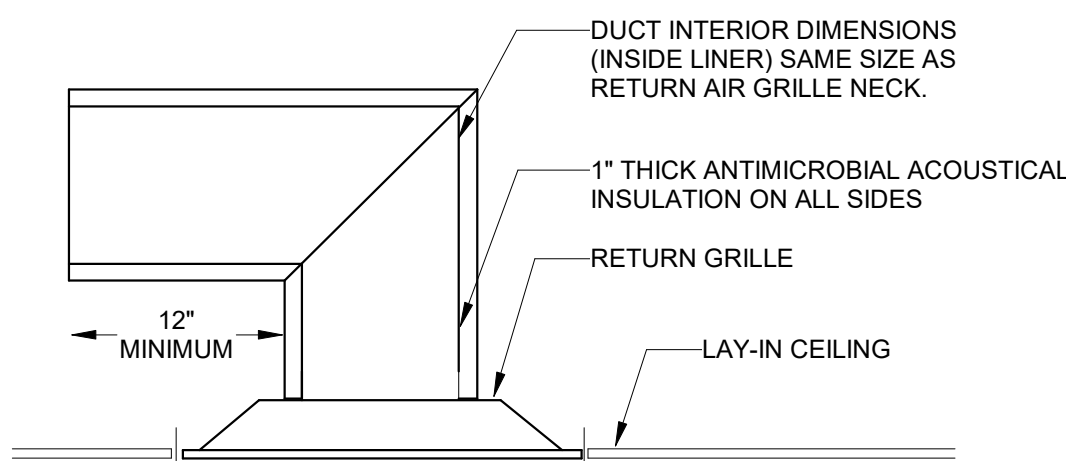
5 VRF DUCTED INDOOR UNIT
NOT TO SCALE



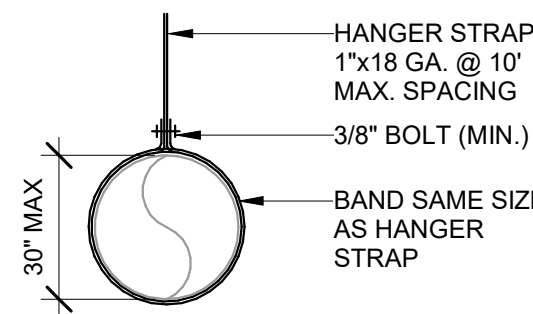
6 CONDENSATE PUMP ON INDOOR DUCTED UNIT
NOT TO SCALE



7 VRF CASSETTE INDOOR UNIT
NOT TO SCALE



8 PLENUM RETURN GRILLE WITH SOUND ATTENUATION
NOT TO SCALE



9 DUCT HANGER SIZING FOR ROUND
NOT TO SCALE

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Project



YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION

Project Number 26102
Drawn By ASE
Checked By ASE
Date 06 APR 2026

Revisions

A 31 MAR 2026 ISSUE FOR PERMIT
B 08 JUN 2026 ISSUE FOR BID

Drawing

MECHANICAL
DETAILS

M0.06

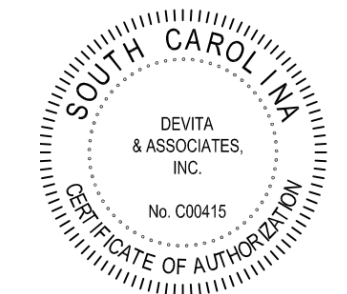
1. RELOCATED EXISTING DIFFUSER. RE-BALANCE TO TAGGED VALUE. PROVIDE NEW DUCTWORK AS SHOWN.
2. EXISTING DIFFUSER AND DUCTWORK TO REMAIN. RE-BALANCE TO TAGGED VALUE.
3. RELOCATED EXISTING AIR HANDLER AND CONDENSATE PUMP. RECONNECT CONDENSATE PIPING AS SHOWN.
4. AIR HANDLER UTILIZES A RETURN AIR PLENUM. EXTEND FULL SIZE RETURN AIR DUCT A MINIMUM OF 12" FROM UNIT. INTERNALLY LINE DUCTWORK FOR SOUND ATTENUATION. COVER OPEN END OF DUCT WITH HARDWARE MESH SCREEN.
5. RELOCATED EXISTING THERMOSTAT.
6. RELOCATED EJCP-1 FROM EJAC-1E.



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- A. UNLESS OTHERWISE NOTED, ALL EXISTING DUCTWORK, AIR TERMINALS, AND EQUIPMENT ARE TO REMAIN. REMOVE AND STORE ALL AIR TERMINALS IN AREAS WITH NEW CEILINGS FOR REPLACEMENT IN NEW GRID.
- B. THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.
- C. ADJUST ALL GRILLES AND DIFFUSERS SHOWN AS EXISTING TO REMAIN TO FIT IN NEW CEILING GRID.

1. REMOVE AND STORE EXISTING AIR TERMINAL FOR RELOCATION. REMOVE EXISTING FLEXIBLE DUCTWORK BACK TO HARD DUCT AND CAP. REFER TO NEW WORK PLAN FOR NEW LOCATION.
2. RELOCATED EXISTING SUPPLY AIR DIFFUSER. RE-BALANCE TO TAGGED VALUE.
3. RE-BALANCE EXISTING AIR TERMINAL TO TAGGED VALUE.



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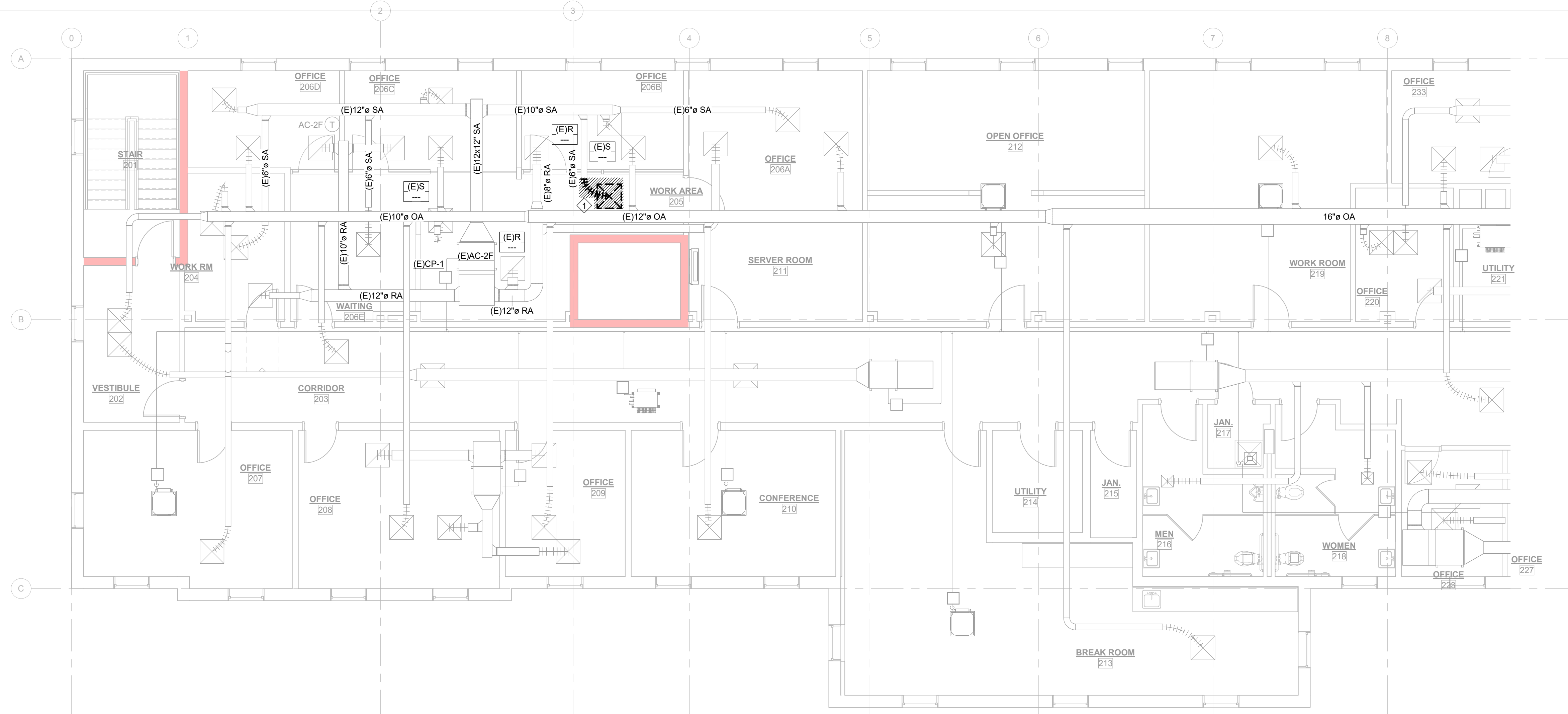
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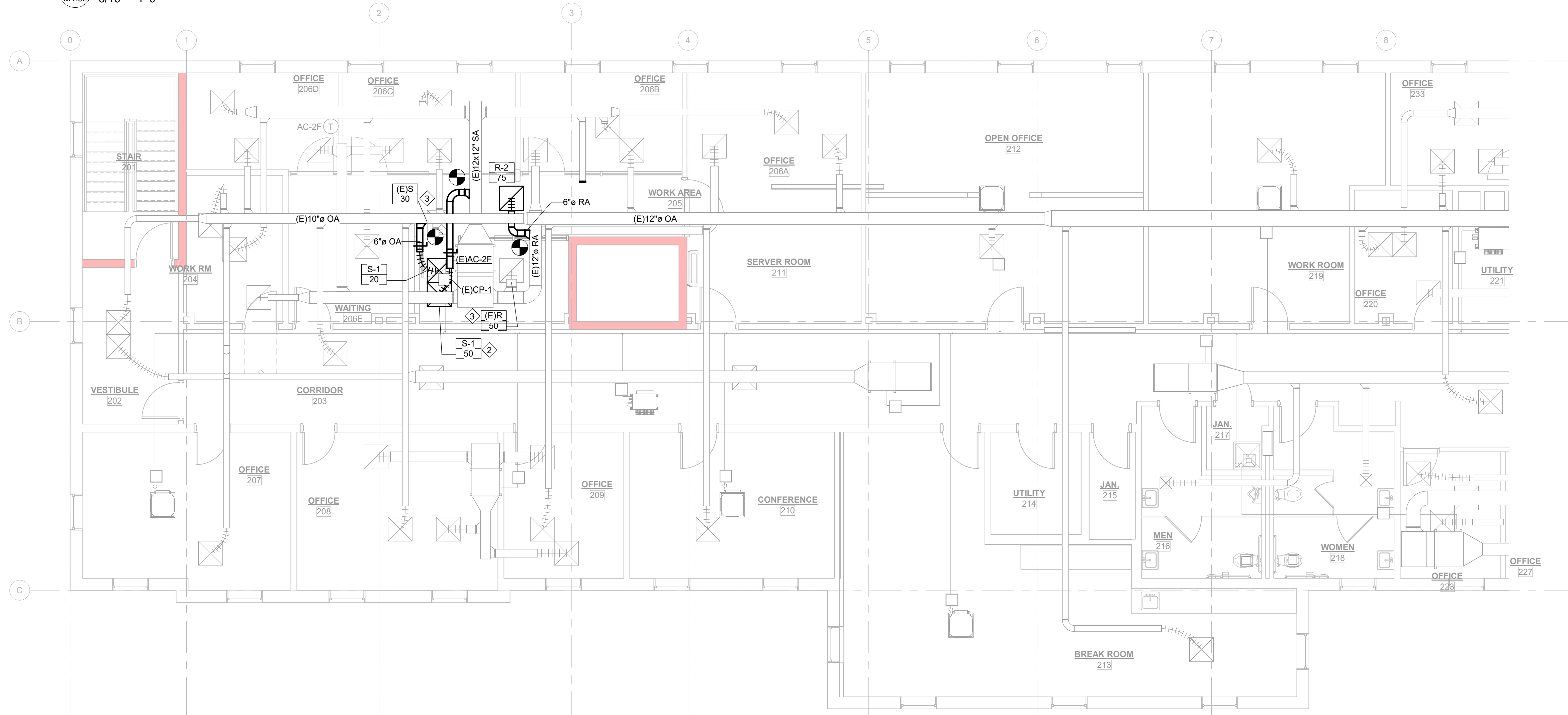
Drawing

MECHANICAL PLANS
- 2ND FLOOR

M1.02

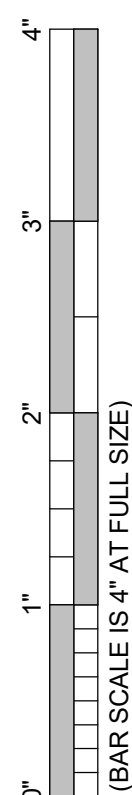


2 MECHANICAL DEMOLITION PLAN - 2ND FLOOR
M1.02 3/16" = 1'-0"

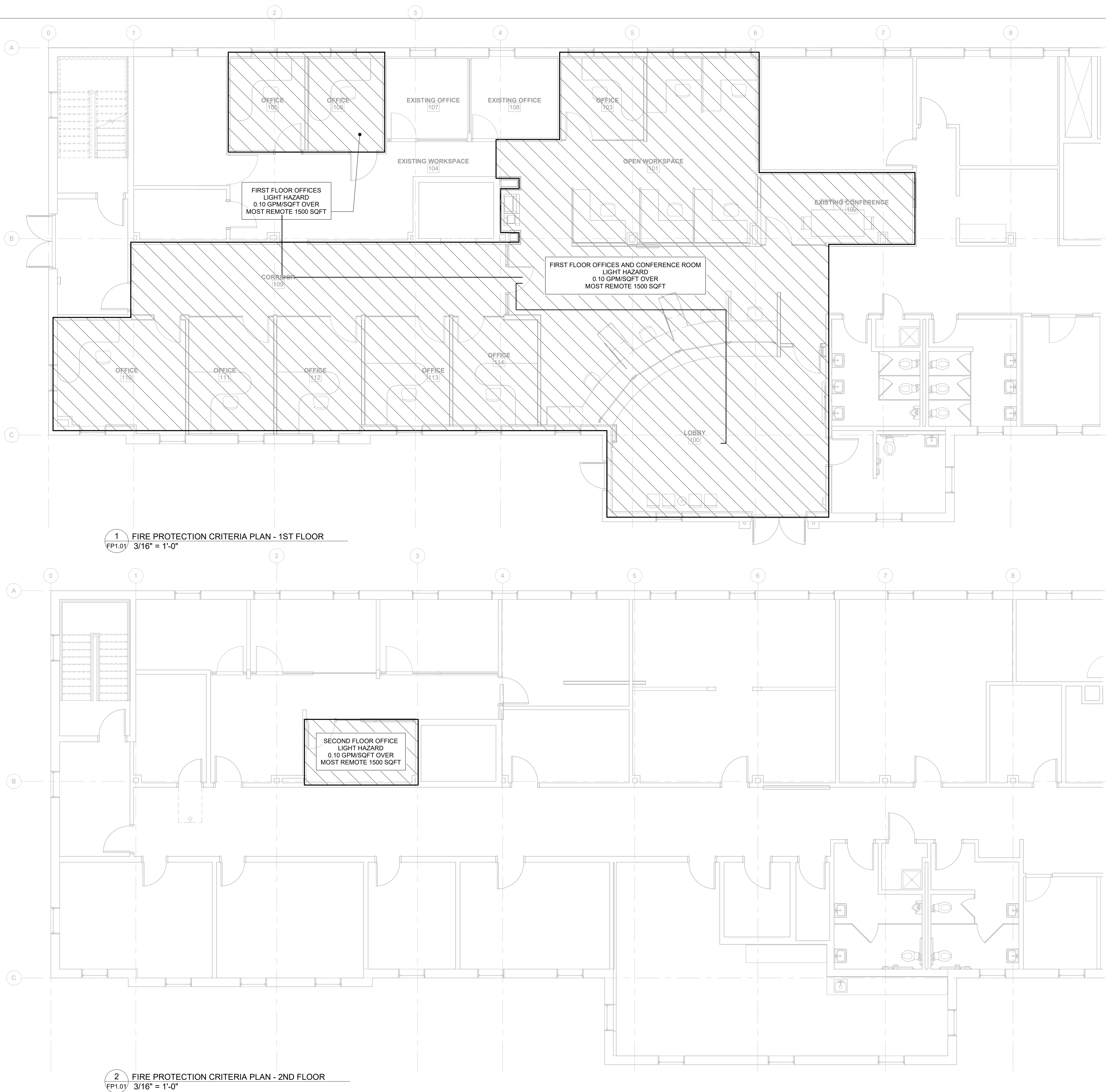
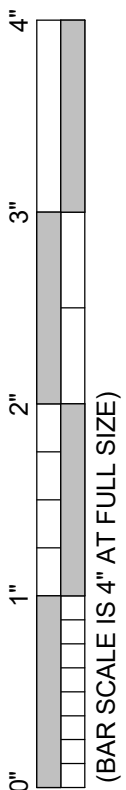


1 MECHANICAL PLAN - 2ND FLOOR
M1.02 3/16" = 1'-0"

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1 FIRE PROTECTION CRITERIA PLAN - 1ST FLOOR
FP1.01 3/16" = 1'-0"

2 FIRE PROTECTION CRITERIA PLAN - 2ND FLOOR
FP1.01 3/16" = 1'-0"

FIRE PROTECTION CRITERIA NOTES:

- A. AREAS NOT NOTED IN THIS PLAN HAVE AN EXISTING SPRINKLER SYSTEM WHICH IS TO REMAIN.
- B. RELOCATE EXISTING HEADS IN AREAS NOTED TO MATCH NEW WALL LAYOUT AND HAZARD CRITERIA SPECIFIED.
- C. FOR REFERENCE: FIRE SPRINKLER RISER IS LOCATED IN THE BASEMENT .

FIRE PROTECTION CRITERIA

ALL AREAS						
CLASS- IFICATION	DENSITY	AREA OF COVERAGE	COVERAGE PER HEAD	DISCHARGE TEMP	MAX. SPACING	HOSE STREAM ALLOWANCE
LIGHT HAZARD	0.10 GPM / SQFT	1500 SQFT	225 SQFT	165°F	15 FT	100 GPM

DESIGN CRITERIA

- CONTRACTOR SHALL PROVIDE MATERIAL AND LABOR TO DEMOLISH, RELOCATE AND OR ADD SPRINKLER HEADS AS REQUIRED TO PROVIDE NFPA-13 COMPLIANT PROTECTION THROUGHOUT RENOVATION / DEMOLITION AREA.
- CRITERIA LISTED IN THIS SECTION CONSTITUTES THE MINIMUM REQUIREMENTS BY THE ACCEPTED STANDARD NFPA 13. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE NFPA 13 STANDARD, LOCAL AUTHORITY HAVING JURISDICTION, AND THE OWNERS INSURANCE UNDERWRITER. THE MOST STRINGENT REQUIREMENTS APPLY IN ALL CASES.
- SPRINKLER HEADS SHALL BE SPACED IN ACCORDANCE WITH NFPA-13 AND THE MANUFACTURERS APPROVAL LISTING.
- LIGHT HAZARD DESIGN CRITERIA .10/1500 +100 GPM HOSE ALLOWANCE.
- PROVIDE QUICK RESPONSE SPRINKLERS IN ALL LIGHT HAZARD AREAS.
- AREA REDUCTION FOR QUICK RESPONSE SPRINKLERS PER NFPA-13.
- DESIGN DENSITY AS INDICATED OR PER CODE WHICHEVER IS MORE STRINGENT.
- SPRINKLER HEAD SPACING SHALL NOT EXCEED 225 SQ. FT. PER HEAD FOR LIGHT HAZARD OCCUPANCIES.
- EXTENDED COVERAGE SPRINKLERS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LISTINGS AND APPROVALS. AT THE CONTRACTORS OPTION, E.C. HEADS CAN BE UTILIZED WHEN SUPPORTING HYDRAULIC VERIFICATION IS PROVIDED.
- F.P. SUB-CONTRACTOR TO INVESTIGATE THE CONTRACT DRAWINGS, PROVIDE SYSTEM LAYOUT AND ANY LABOR, PIPE, FITTINGS, ETC. TO PROVIDE RELOCATED AND NEW SPRINKLERS AS INDICATED ON THE DRAWINGS AND/OR AS REQUIRED BY CODE AND LOCAL AHJ.
- F.P. SUB-CONTRACTOR SHALL PROVIDE HYDRAULIC CALCULATIONS VERIFYING THE DESIGN CRITERIA FOR EACH HAZARD.
- PRIOR TO HYDRAULIC CALCULATIONS, OBTAIN CURRENT (WITHIN 6 MONTHS) FIRE FLOW DATA (GPM AND PRESSURE) FROM NEAREST WATER SUPPLY. EITHER CONDUCT A TEST WITNESSED BY OR OBTAIN ONE FROM THE BUILDING OR FIRE OFFICIAL. THE F.P. "SUB-CONTRACTOR" SHALL BEAR ALL COST ASSOCIATED WITH A CURRENT TEST. NEITHER IS THE ENGINEER, OWNER OR G.C. RESPONSIBLE FOR PROVIDING THIS DATA OR PROVIDE EXTRA COMPENSATION.
- F.P. SUB-CONTRACTOR SHALL TERMINATE THE HYDRAULIC CALCULATIONS AT THE CITY TEST CONNECTION MINIMUM. INDICATE ON DRAWINGS ALL UNDERGROUND PIPE AND FITTINGS, BACKFLOW PREVENTERS, METERS, BOTH NEW AND EXISTING.
- QUICK-RESPONSE SPRINKLERS WHERE LISTED QUICK-RESPONSE SPRINKLERS, INCLUDING EXTENDED COVERAGE QUICK-RESPONSE SPRINKLERS, ARE USED THROUGHOUT A SYSTEM OR PORTION OF A SYSTEM HAVING THE SAME HYDRAULIC DESIGN BASIS, THE SYSTEM AREA OF OPERATION SHALL BE PERMITTED TO BE REDUCED WITHOUT REVISING THE DENSITY AS INDICATED IN NFPA-13 WHEN ALL OF THE FOLLOWING CONDITIONS ARE SATISFIED:
(1) WET PIPE SYSTEM
(2) LIGHT HAZARD OR ORDINARY HAZARD OCCUPANCY
(3) 20-FT (6.1-M) MAXIMUM CEILING HEIGHT
(4) THERE ARE NO UNPROTECTED CEILING POCKETS AS ALLOWED BY NFPA-13 EXCEEDING 32 FT²
- F.P. SUB-CONTRACTOR SHALL INVESTIGATE THE EXISTING INSTALLED SPRINKLER HEADS TO DETERMINE THE RESPONSE RATING AND PROVIDE NEW HEADS WITH THE SAME RESPONSE RATING WITHIN A COMPARTMENT. NEW SPRINKLER HEAD, PLATE AND FINISH SHALL MATCH EXISTING.
- F.P. SUB-CONTRACTOR SHALL ONLY INSTALL NEW NEW SPRINKLER HEADS FOR ALL RELOCATED SPRINKLER LOCATIONS.
- RELOCATED SPRINKLER HEAD REFERS TO THE PHYSICAL HEAD LOCATION, EXISTING HEADS SHALL NOT BE RE-INSTALLED.
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO SHOW THE DESIGN INTENT AS COORDINATED WITH THE OWNERS NEEDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL DESIGN AND SHOP DRAWINGS BASED ON THE INTENT INDICATED. THESE DOCUMENTS ARE NOT INTENDED TO SHOW ALL REQUIRED ITEMS AND DESIGN ISSUES, THE CONTRACTORS BID SHALL INCLUDE ALL REQUIRED ITEMS FOR A FULLY FUNCTIONAL SYSTEM. ANY ERRORS OR OMISSIONS WITHIN THESE DOCUMENTS MUST BE BROUGHT TO THE ENGINEERS ATTENTION AND RESOLVED BEFORE BID. NO ADDITIONAL COSTS WILL BE ACCEPTED AFTER BID.

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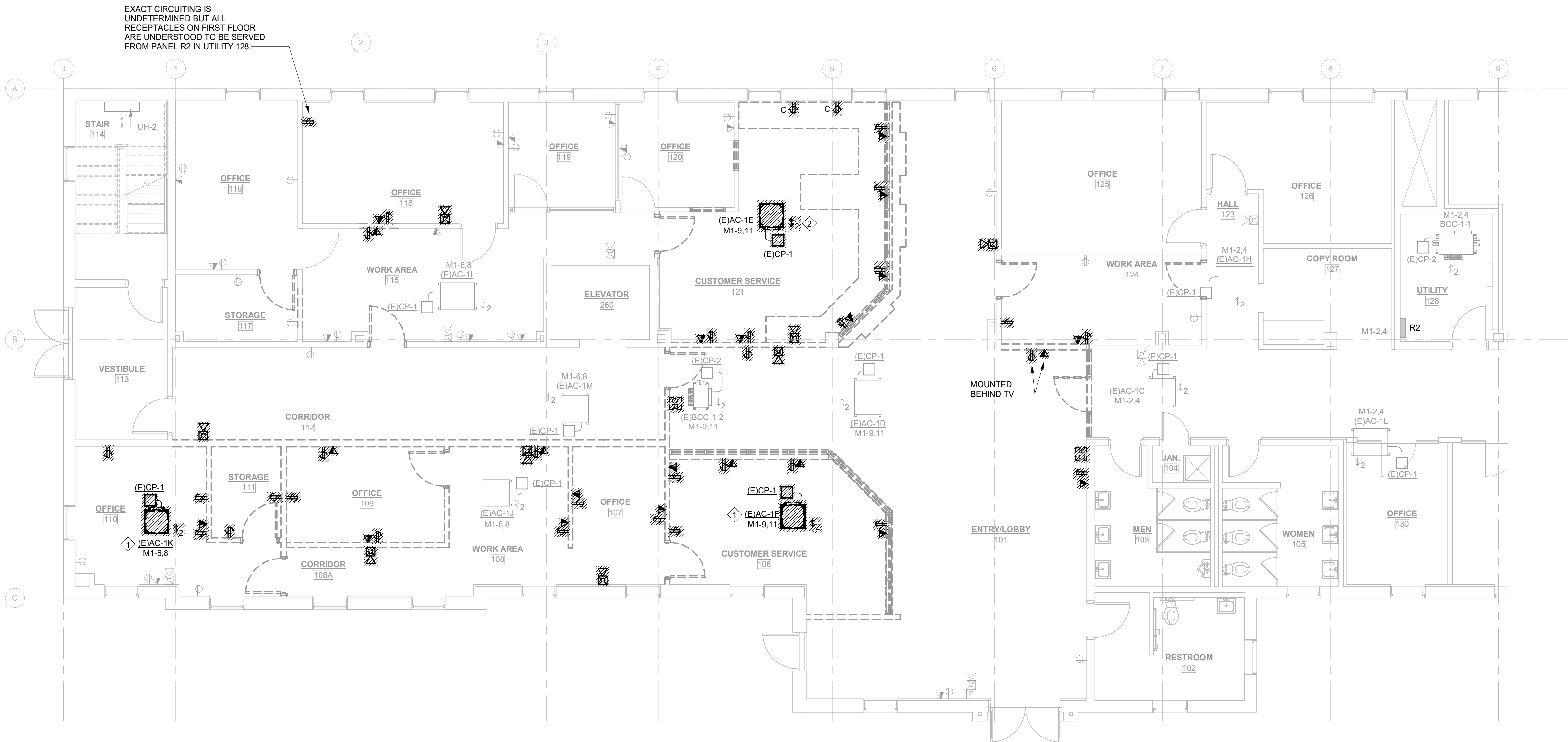
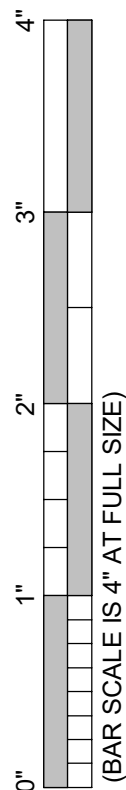
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**FIRE PROTECTION
CRITERIA PLANS**

FP1.01

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1 ELECTRICAL DEMOLITION PLAN - 1ST FLOOR
ED1.01
3/16" = 1'-0"
0 4 8 12 16

GENERAL DEMOLITION NOTES:

- A. FOR ALL EXISTING DEVICES, ETC. INDICATED TO REMAIN, FIELD VERIFY THE EXISTING CIRCUIT AND PROVIDE NEW LABEL ON DEVICE PLATE WITH CORRECT PANEL/CIRCUIT. REFER TO LABELING DETAIL ON SHEET E0.01.
- B. ITEMS TO BE REMOVED ARE INDICATED BY DASHED LINETYPE AND/OR HATCHING.
- C. FOR DEVICES, ETC. TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD, UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING TO FEED THROUGH TO THESE REMAINING ITEMS. RE-CIRCUIT ANY REMAINING DEVICES AS REQUIRED TO AVAILABLE PANELBOARD SPACE. RELOCATE ANY CIRCUITS THAT REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- D. EXISTING CIRCUITS INDICATED ARE FOR REFERENCE ONLY. FIELD VERIFY ALL AFFECTED CIRCUITS.
- E. REROUTING OF EXISTING CONDUCTORS MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR AROUND NEW WORK.
- F. POWER TO CONDENSATE PUMPS (CP-#) IS PROVIDED FROM ADJACENT AC, DOAS, OR BCC.

PLAN NOTES: ◆

1. EXISTING HVAC EQUIPMENT AND CONDENSATE PUMP TO BE RELOCATED. DISCONNECT EQUIPMENT AND CONDENSATE PUMP AND RECONNECT AT NEW LOCATION SHOWN ON NEW WORK PLANS. RELOCATE AND RECONNECT ASSOCIATED MOTOR RATED SWITCH AT NEW LOCATION.
2. EXISTING HVAC EQUIPMENT TO BE REMOVED. REUSE EXISTING MOTOR RATED SWITCH FOR NEW HVAC EQUIPMENT SHOWN ON NEW WORK PLANS.

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Date 06 APR 2026

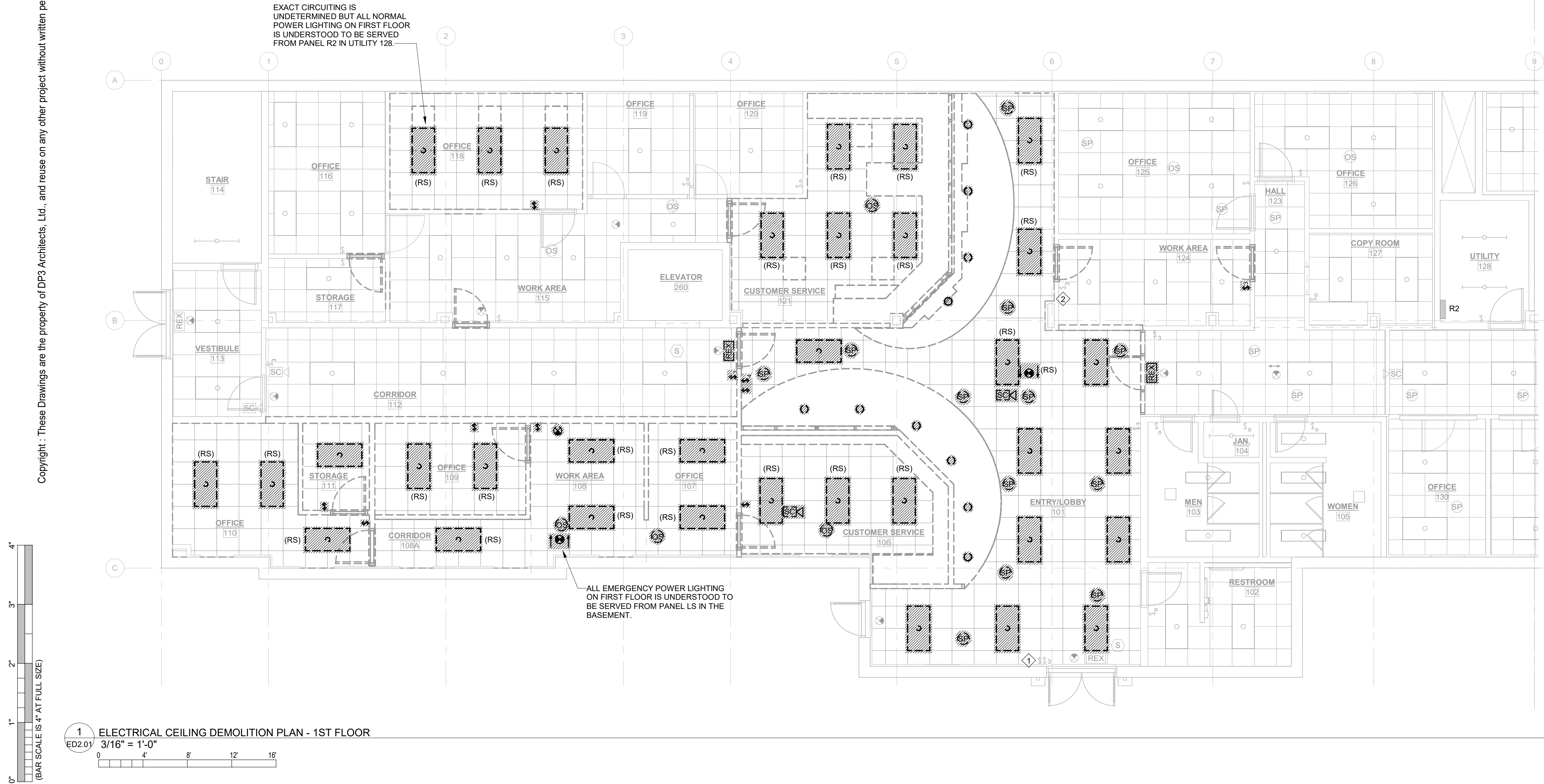
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**ELECTRICAL
DEMOLITION PLAN -
1ST FLOOR**

ED1.01

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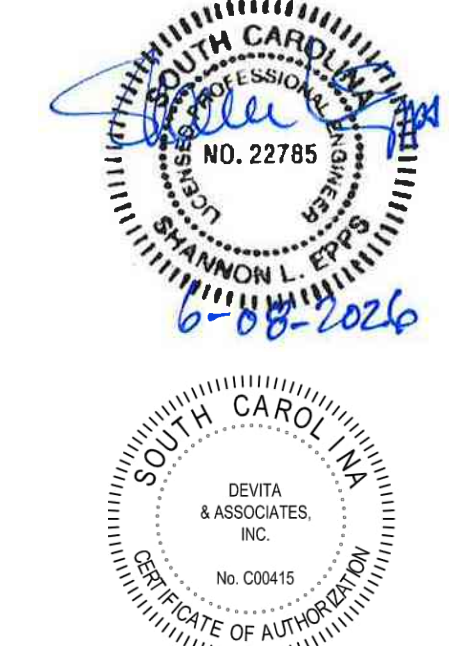
GENERAL DEMOLITION NOTES:

- A. FOR ALL EXISTING DEVICES, FIXTURES, ETC. INDICATED TO REMAIN, FIELD VERIFY THE EXISTING CIRCUIT AND PROVIDE NEW LABEL ON DEVICE PLATE WITH CORRECT PANEL/CIRCUIT. REFER TO LABELING DETAIL ON SHEET E0.01.
- B. ITEMS TO BE REMOVED ARE INDICATED BY DASHED LINETYPE AND/OR HATCHING.
- C. FOR DEVICES, FIXTURES, ETC. TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD, UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING TO FEED THROUGH TO THESE REMAINING ITEMS. RE-CIRCUIT ANY REMAINING DEVICES AS REQUIRED TO AVAILABLE PANELBOARD SPACE. RELOCATE ANY CIRCUITS THAT REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- D. EXISTING CIRCUITS INDICATED ARE FOR REFERENCE ONLY. FIELD VERIFY ALL AFFECTED CIRCUITS.
- E. REROUTING OF EXISTING CONDUCTORS MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR AROUND NEW WORK. FOR DEVICES SHOWN, PROVIDE WORK AS DENOTED BELOW:
- (RS) REMOVE AND SALVAGE EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. FOR REINSTALLATION IN RENOVATED AREA. ALL ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL BE REMOVED BACK TO CONVENIENT LOCATION TO ACCOMMODATE DEMOLITION AND EXTENSION TO NEW LOCATIONS.

PLAN NOTES:

1. LIGHT SWITCH CONTROL IS UNDETERMINED. FIELD VERIFY FIXTURES CONTROLLED BY LIGHT SWITCH AND PROVIDE LABEL ON COVER PLATE COMPLYING WITH LABELING DETAILS ON E8.00.
2. RECONFIGURE LIGHT SWITCH AND ASSOCIATED WIRING TO FUNCTION AS THE SINGULAR CONTROL FOR THE ROOM.

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**ELECTRICAL
CEILING
DEMOLITION PLAN -
1ST FLOOR**

ED2.01

WIRING DEVICE SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	HOMERUN TO LIGHTING/SERVICE PANEL. HOMERUN INDICATES PANEL NAME AND CIRCUIT NUMBER OR FEEDER TAG. CONDUCTORS SHALL BE #12 AWG IN 3/4" CONDUIT (1" UNDERGROUND) UNLESS NOTED OTHERWISE. HOMERUNS MAY BE COMBINED INTO A COMMON RACEWAY FOR 20A SINGLE PHASE CIRCUITS. PROVIDE DEDICATED NEUTRALS. MAXIMUM OF (6) CURRENT CARRYING CONDUCTORS SHALL BE PROVIDED IN RACEWAY. PROVIDE #10 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 100 FEET. PROVIDE #8 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 150 FEET. INCREASE CONDUIT SIZE AS REQUIRED. VERIFY EXACT CIRCUIT LENGTH AND SIZE OF CONDUCTORS TO PROVIDE ACCEPTABLE VOLTAGE DROP PER NEC. COMPLY WITH NEC FOR CONDUCTOR DERATING AND CONDUIT FILL.
	CONDUIT STUB
	CONDUIT TURNED DOWN
	CONDUIT TURNED UP
	CONDUIT INSTALLED BELOW GRADE OR BELOW FINISHED FLOOR
	ELECTRICAL CONNECTION TO EQUIPMENT ITEM 'E101' (LETTER DESIGNATION AS APPLICABLE) - SEE CORRESPONDING EQUIPMENT CONNECTION SCHEDULE
	DUPLEX RECEPTACLE AT 18" AFF, UNO. NEMA 5-20R.
	QUADRUPLUX RECEPTACLE AT 18" AFF, UNO. NEMA 5-20R.
	DUPLEX RECEPTACLE - CEILING MOUNTED. NEMA 5-20R.
	DUPLEX RECEPTACLE - FLOOR MOUNTED. NEMA 5-20R.
	SINGLE RECEPTACLE AT 18" AFF, UNO. NEMA 5-20R.
	FOR RECEPTACLES ABOVE, SUBSCRIPT DEFINITION AS FOLLOWS: GFI - GROUND FAULT DEVICE IG - ISOLATED GROUND USB - DEVICE WITH USB PORT WP - UL WEATHER-RESISTANT (WR) IN WEATHERPROOF WHILE IN USE COVER CR - CORD REEL C - MOUNTED 8" ABOVE COUNTER
	SPECIAL PURPOSE RECEPTACLE - HEIGHT AND TYPE AS NOTED ON DRAWINGS
	SURFACE RACEWAY
	JUNCTION BOX - MOUNTING HEIGHT AND SIZE AS REQUIRED BY CODE OR AS NOTED ON DRAWINGS
	JUNCTION BOX - FLOOR MOUNTED. SIZE AS REQUIRED BY CODE OR AS NOTED ON DRAWINGS
	VERTICAL SERVICE POLE
	COMBINATION IN FLOOR POWER / DATA / A/V DEVICE.
	PUSHBUTTON
	MOTOR. SEE DRAWINGS FOR DESCRIPTION
	SAFETY DISCONNECT SWITCH. "30" INDICATES AMP RATING. "3P" INDICATES NUMBER OF POLES. "20" INDICATES FUSE SIZE. "1" INDICATES NEMA ENCLOSURE RATING (1, 3R, 4X, ETC). HEAVY DUTY SAFETY SWITCH UNLESS NOTED OTHERWISE. "NF" INDICATES NON-FUSED.
	COMBINATION MOTOR STARTER
	MOTOR STARTER
	DOOR BELL

LIGHTING & CONTROL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	20A SWITCH AT 44" CL AFF, UNO
	WALL DIMMER FOR SWITCH OR DIMMER ABOVE, SUBSCRIPT DEFINITION AS FOLLOWS: a,b - SWITCHING SCHEME m - MOTOR RATED 2 - 2 POLE MOTOR RATED P - PILOT LIGHT 3 - 3-WAY SWITCH 4 - 4-WAY SWITCH o - OCCUPANCY SENSOR v - VACANCY SENSOR
	TWO SWITCHES IN COMMON BOX - FOR MULTILEVEL CONTROL AT 44" CL AFF, UNO
	LIGHTING CONTROL OCCUPANCY SENSOR - CEILING MOUNTED
	LIGHTING CONTROL PHOTOCCELL
	DAYLIGHT SENSOR
	INTERIOR LIGHT FIXTURES AS SPECIFIED ON THE LIGHT FIXTURE SCHEDULE. REFER ALSO TO LIGHTING CIRCUITING GUIDE.
	LIGHT FIXTURE, HALF SHADING INDICATES EMERGENCY BACKUP. "NL" INDICATES 24/7 OPERATION (UNSWITCHED).
	EXTERIOR LIGHT FIXTURES AS SPECIFIED ON THE LIGHT FIXTURE SCHEDULE. REFER ALSO TO LIGHTING CIRCUITING GUIDE.
	EMERGENCY LIGHTING FIXTURE, WITH BATTERY. REFER TO LIGHT FIXTURE SCHEDULE
	EXIT SIGN. WHERE USED, ARROW INDICATES CHEVRON DIRECTION.
	CEILING FAN
	LIGHTING FIXTURE AS SCHEDULED; NORMAL POWER BRANCH
	LIGHTING FIXTURE AS SCHEDULED; LIFE SAFETY EMERGENCY POWER BRANCH

DISTRIBUTION SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	ELECTRICAL PANEL, SURFACE MOUNTED.
	ELECTRICAL PANEL, FLUSH MOUNTED.
	TRANSFORMER
	AUTOMATIC TRANSFER SWITCH

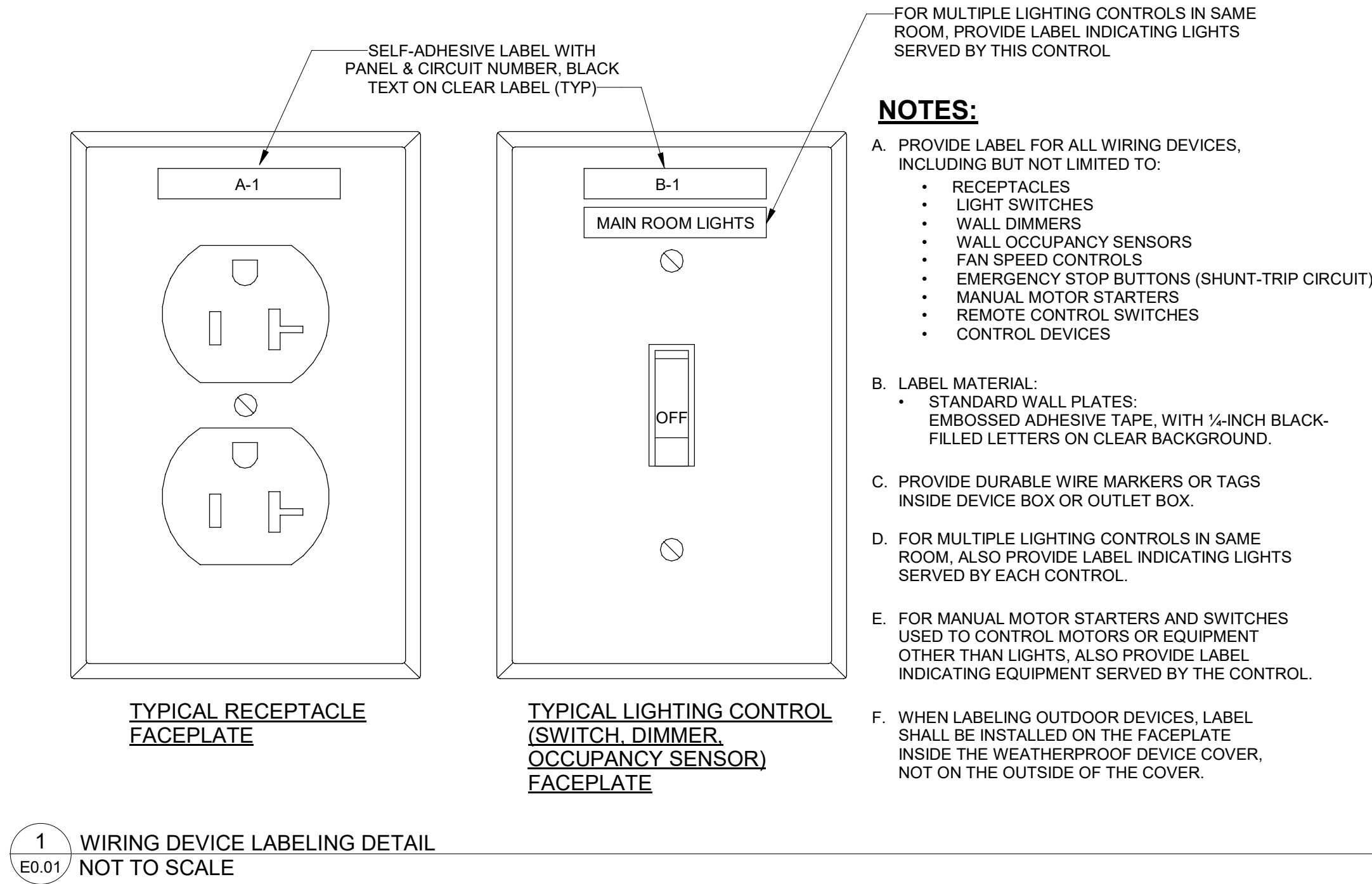
FIRE ALARM SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	FIRE ALARM ANNUNCIATOR PANEL - WALL MOUNTED AT 60" AFF TO CENTER, UNO
	FIRE ALARM CONTROL UNIT; "D" SUBSCRIPT INDICATES DEDICATED UNIT
	FIRE ALARM PULL STATION AT 44" AFF, UNO
	FIRE ALARM SMOKE DETECTOR / SENSOR
	COMBINATION HORN / VISIBLE; cd = CANDELA RATING
	VISIBLE ONLY (STROBE), CEILING MOUNT; CD = CANDELA RATING
	VISIBLE ONLY (STROBE), WALL MOUNT; CD = CANDELA RATING
	DOOR HOLDER
SUBSCRIPT DEFINITIONS: C - CEILING MOUNTED WP - WEATHERPROOF WG - WIRE GUARD	

TECHNOLOGY SYMBOL LEGEND	
UNLESS NOTED OTHERWISE ON DRAWINGS, FOR EACH DEVICE BELOW, PROVIDE 2-GANG JUNCTION BOX WITH 1-GANG MUDRING AND 1" CONDUIT WITH PULL CORD TO ABOVE NEAREST ACCESSIBLE CEILING IN CORRIDOR. PROVIDE NYLON BUSHING ON CONDUIT END.	
SYMBOL	DESCRIPTION
	VOICE / DATA ROUGH-IN BOX, AT 18" AFF UNO.
	VOICE / DATA ROUGH-IN BOX, FLOOR-MOUNTED.
	TELEVISION OUTLET. SINGLE GANG BOX WITH SINGLE GANG PLASTER RING. PROVIDE WITH ADJACENT DUPLEX RECEPTACLE.
	SECURITY CAMERA. COORDINATE REQUIREMENTS WITH OWNER.
	WIRELESS ACCESS POINT. CEILING MOUNTED UNLESS NOTED OTHERWISE ON PLAN. COORDINATE PROVISIONS AND REQUIREMENTS WITH OWNER.
	PROJECTOR. CEILING MOUNTED UNO.
	SPEAKER. CEILING MOUNTED UNO.
	REQUEST TO EXIT DEVICE. CEILING MOUNTED UNO.
	ACCESS CONTROL DOOR PREPARATION; REFER TO DETAIL SHEET E8.00
	SECURITY PANIC BUTTON

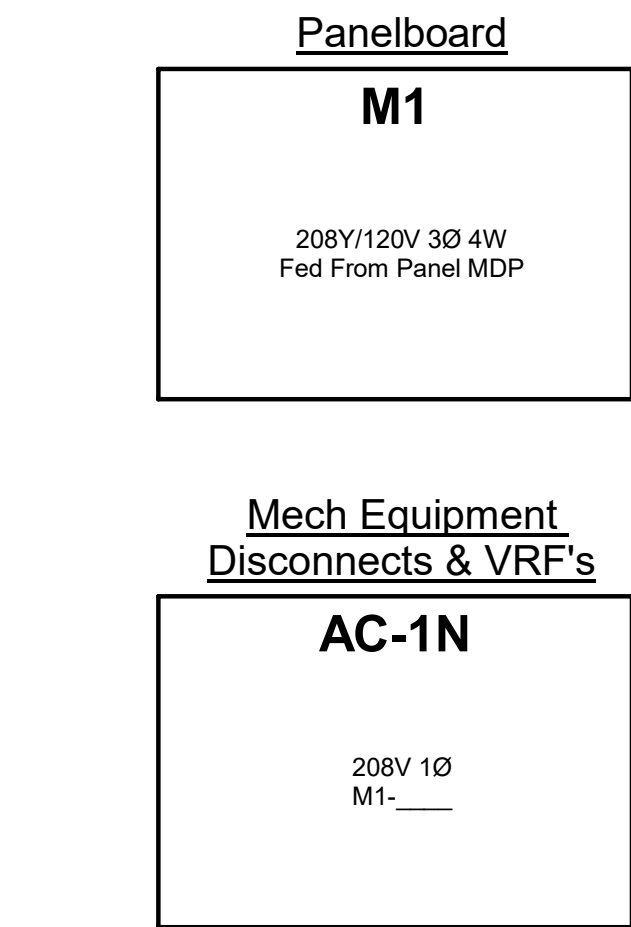
LIGHTING CIRCUITING GUIDE	
SYMBOL	DESCRIPTION
	LIGHTING TYPE AND CIRCUIT DESIGNATION X: REFER TO PANEL SCHEDULE, PER DRAWING 1: CIRCUIT NUMBER B: LIGHT FIXTURE TYPE, REFER TO LIGHT FIXTURE SCHEDULE
	SWITCHING SCHEME OR ZONE

POWER CIRCUITING GUIDE	
SYMBOL	DESCRIPTION
	POWER CIRCUITING DESIGNATION X: REFER TO PANEL SCHEDULE, PER DRAWING 1: CIRCUIT NUMBER
	DEVICE, JUNCTION BOX, FLOOR BOX, ETC
	EQUIPMENT ABBREVIATION, REFER TO LEGEND AND ABBREVIATION SCHEDULE FOR ADDITIONAL INFORMATION

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ACH	ABOVE COUNTER HEIGHT
AL	ALUMINUM
BKR	BREAKER
CU	COPPER
CKT	CIRCUIT
DWG	DRAWING
EC	EMPTY CONDUIT
EF	EXHAUST FAN
EWC	ELECTRIC WATER COOLER
FLA	FULL LOAD AMPS
FU	FUSE
FWE	FURNISHED WITH EQUIPMENT
GC	GENERAL CONTRACTOR
GFI/GFCI	GROUND FAULT INTERRUPTER DEVICE
HPS	HIGH PRESSURE SODIUM
IG	ISOLATED GROUND
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING(L)
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MH	METAL HALIDE
MLO	MAIN LUG ONLY
MOCP	MAXIMUM OVERCURRENT CIRCUIT PROTECTION
MSB	MAIN SWITCHBOARD
NL	NIGHT LIGHT
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PH	PHASE
PNL	PANEL
RCPT	RECEPTACLE
REQD	REQUIRED
RTU	ROOFTOP UNIT
SP	SURGE PROTECTED DEVICE
SW	SWITCH
UGND	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
W/	WITH
WH	WATER HEATER
WP	WEATHER PROOF
XFMR	TRANSFORMER



TYPICAL NAMEPLATE EXAMPLES
FOR EACH EQUIPMENT TYPE



2
E0.01

EQUIPMENT IDENTIFICATION NAMEPLATE DETAIL
NOT TO SCALE

ELECTRICAL SHEET LIST	
SHEET NUMBER	SHEET NAME
E0.01	ELECTRICAL LEGEND
E0.02	ELECTRICAL SPECIFICATIONS
E0.03	ELECTRICAL DIAGRAMS
ED1.01	ELECTRICAL DEMOLITION PLAN - 1ST FLOOR
ED2.01	ELECTRICAL CEILING DEMOLITION PLAN - 1ST FLOOR
E1.01	ELECTRICAL POWER PLAN - BASEMENT & 1ST FLOOR
E2.01	ELECTRICAL CEILING PLAN - 1ST FLOOR
E8.00	ELECTRICAL DETAILS
E9.00	ELECTRICAL PANEL SCHEDULES

Seal



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Project



**YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION**

Project Number 26102
Drawn By RHV
Checked By SLE
Date 06 APR 2026

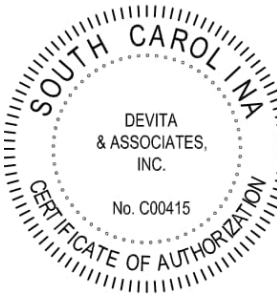
Revisions
A 31 MAR 2026 ISSUE FOR PERMIT
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Drawing

**ELECTRICAL
LEGEND**

E0.01

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ELECTRICAL
SPECIFICATIONS

E0.02

ELECTRICAL SPECIFICATIONS

GENERAL:

ALL DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT APPLY TO THIS AND ALL SPECIFICATION SECTIONS.

THE INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2020 EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), THE 2021 SOUTH CAROLINA BUILDING CODE, AND WITH ALL OTHER APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.

REVIEW AND UNDERSTAND ALL DRAWINGS AND ALL WORK OF ALL TRADES TO ENSURE A COMPLETE AND THOROUGH PROJECT. CONTRACTOR SHALL COOPERATE AND COORDINATE ALL PHASES OF WORK WITH OTHER DISCIPLINES AND GENERAL CONTRACTOR.

VISIT THE SITE AND THOROUGHLY FAMILIARIZE WITH EXISTING CONDITIONS, VERIFY LOCATIONS, CONDUIT ROUTINGS, ETC. TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT BEFORE SUBMITTING A BID. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER BEFORE THE BID DATE.

PROVIDE POWER FOR ALL TRADES THROUGHOUT ALL PHASES OF CONSTRUCTION.

PROVIDE ALL MATERIALS, EQUIPMENT, SERVICES, AND LABOR FOR A COMPLETE OPERABLE ELECTRICAL INSTALLATION AS INDICATED ON THE DRAWINGS. ALL MATERIAL SHALL BE NEW AND BEAR THE UNDERWRITERS LABORATORIES, INC. (UL) LABEL WHERE AVAILABLE. INCIDENTAL ITEMS NOT INDICATED ON THE DRAWINGS NOR MENTIONED IN THE SPECIFICATIONS THAT CAN LEGITIMATELY AND REASONABLY BE INFERRED TO BELONG TO THE WORK DESCRIBED OR BE NECESSARY IN GOOD PRACTICE TO PROVIDE A COMPLETE SYSTEM, SHALL BE FURNISHED AND INSTALLED AS THOUGH ITEMIZED HERE IN EVERY DETAIL.

SUBMIT PRODUCT DATA AND SHOP DRAWINGS FOR ARCHITECT/ENGINEER REVIEW AND APPROVAL FOR THE FOLLOWING ITEMS:

1. WIRING DEVICES
2. MOTOR RATED SWITCHES
3. LIGHTING FIXTURES
4. DIMMERS

ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL-LISTED BY A STATE APPROVED THIRD PARTY TESTING AGENCY.

ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH RECOGNIZED STANDARDS OF WORKMANSHIP. ALL WORK SHALL BE INSTALLED IN A NEAT AND ORDERLY MANNER.

MULTIPLE ITEMS SUCH AS LIGHTING FIXTURES, WIRING DEVICES, RACEWAYS, ETC. SHALL BE FROM THE SAME MANUFACTURER. ALL EQUIPMENT SUPPLIED SHALL BE THE STANDARD EQUIPMENT OF THE MANUFACTURER.

ALL WORK SHALL BE LABELED WITH PERMANENT TYPEWRITTEN OR ENGRAVED LABEL. HANDWRITING IS NOT ACCEPTABLE. COLORS OF ALL LABELS SHALL BE COORDINATED WITH THE OWNER. LABEL WIRING DEVICES, PANELBOARDS, AND OTHER EQUIPMENT PER LABELING DETAILS. LABEL SPARE CONDUITS AND JUNCTION BOXES WITH PANEL/CIRCUIT NUMBER. LABEL JUNCTION BOXES WITH PANEL/CIRCUIT NUMBER. PROVIDE UPDATED TYPEWRITTEN DIRECTORY IN ALL AFFECTED PANELBOARDS INDICATING LOADS SERVED BY EACH CIRCUIT. REFER TO LABELING DETAILS.

EXISTING CONDITIONS, EQUIPMENT, DEVICES, AND CIRCUITING AS SHOWN IS TAKEN FROM EXISTING FACILITY DOCUMENTATION AND/OR NON-INVASIVE FIELD OBSERVATION. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, QUANTITIES, AND EXISTING CIRCUITING.

GROUNDING:

FURNISH, INSTALL, AND CONNECT A COMPLETE SYSTEM OF GROUNDING FOR ALL EQUIPMENT AND STRUCTURES. BOSS MECHANICAL AND ELECTRICAL CONNECTION SHALL BE MADE WITH APPROVED GROUNDING CONNECTORS.

ALL METAL RACEWAYS, INCLUDING CONDUIT, ENCLOSURES, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

PROVIDE A GREEN INSULATED WIRE EQUIPMENT GROUNDING CONDUCTOR FOR ALL CIRCUITS PER NEC.

GROUNDING CONDUCTORS SHALL BE COPPER.

MAKE ALL JOINTS AND CONNECTIONS OF THE CONDUIT SYSTEM TIGHT TO MAINTAIN CONTINUITY OF MECHANICAL AND ELECTRICAL GROUND THROUGHOUT ENTIRE SYSTEM.

FIRE ALARM:

FIRE ALARM INSTALLATION SHALL COMPLY WITH NFPA 72, NFPA 101, NATIONAL ELECTRICAL CODE (NFPA 70) WITH SPECIFIC ATTENTION TO ARTICLE 760, STATE FIRE CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND ORDINANCES.

ALL FIRE ALARM DEVICES AND EQUIPMENT SHALL BE COMPATIBLE WITH EXISTING SYSTEM. ALL FIRE ALARM WIRING SHALL BE IN CONDUIT AND SHALL COMPLY WITH NFPA 72 AND NEC.

ALL VISUAL NOTIFICATION DEVICES (STROBES) IN ONE VIEWING, NEW AND EXISTING, SHALL BE SYNCHRONIZED TO FLASH IN UNISON AS REQUIRED BY NFPA 72, ADA, ANSI 117.1, AND UL 1971.

PROVIDE ALL REQUIRED TESTING OF THE FIRE ALARM SYSTEM IN ACCORDANCE WITH THE "INSPECTION, TESTING, AND MAINTENANCE" CHAPTER OF NFPA 72 AND MANUFACTURER'S WRITTEN INSTRUCTIONS. FIELD TESTS SHALL BE WITNESSED BY THE AUTHORITY HAVING JURISDICTION. CONDUCT VISUAL INSPECTION AND SYSTEM TESTING IN THE "TEST METHODS" TABLE IN THE "TESTING" SECTION OF NFPA 72. PREPARE A "FIRE ALARM SYSTEM RECORD OF COMPLETION" PER NFPA 72. FIRE ALARM SYSTEM WILL BE CONSIDERED DEFECTIVE IF IT DOES NOT PASS TESTS AND INSPECTIONS.

FOR FIRE ALARM DEVICES THAT ARE REMOVED, PERFORM ANY PROGRAMMING CHANGES AT FIRE ALARM CONTROL PANEL TO NOTE DEVICE HAS BEEN REMOVED. RECESSED, EMPTY BACK BOX AND CONDUIT MAY BE ABANDONED IN WALL, UNLESS NOTED OTHERWISE.

FOR FIRE ALARM DEVICES ADDED TO EXISTING SYSTEMS, CONNECT TO EXISTING CIRCUITS AND PROVIDE PROGRAMMING CHANGES AT FIRE ALARM CONTROL PANEL.

COORDINATION:

THE ELECTRICAL CONTRACTOR SHALL COORDINATE SEQUENCE OF WORK WITH ALL OTHER TRADES. CONTRACTOR SHALL VERIFY VOLTAGE OF MECHANICAL EQUIPMENT AND FIXTURE DRIVERS / BALLASTS, PRIOR TO COMMENCING ANY WORK.

NOTIFY ENGINEER IMMEDIATELY OF POSSIBLE CONFLICTS WITH STRUCTURE, MECHANICAL, SITE, OR OTHER FEATURES. WHERE JOB CONDITIONS REQUIRE REASONABLE CHANGES IN LOCATIONS AND ARRANGEMENT OF INDICATED EQUIPMENT, CONDUIT, OUTLETS, OR WIRING, CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT COST TO OWNER.

IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY, PRIOR TO ANY INDIVIDUAL CIRCUIT'S INSTALLATION, TO VERIFY THAT THE CIRCUIT WITH DEVICES AS DRAWN IS ADEQUATE FOR THE EQUIPMENT TO BE INSTALLED. IF ANY CONFLICT IN VOLTAGE, PHASE OR LOAD IS ENCOUNTERED WHICH WOULD ALTER THE CIRCUIT SIZE, THIS CONTRACTOR SHALL NOTIFY THE ENGINEER OR OWNER IMMEDIATELY. FAILURE TO DO SO SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT CIRCUIT CHANGE DIRECTLY UPON THE CONTRACTOR.

CIRCUIT BREAKERS ADDED TO EXISTING PANELS SHALL MATCH EXISTING BREAKERS TYPE, MANUFACTURER AND AIC RATING. UPDATE DIRECTORIES IN EXISTING PANELS TO REFLECT CHANGES BY THIS RENOVATION.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE CONSTRUCTION OF OPENINGS AND PENETRATING ITEMS WITH ALL OTHER TRADES CONCERNED TO ENSURE PROPER INSTALLATION OF ALL SYSTEMS. CONTRACTOR SHALL COORDINATE SIZING OF MATERIALS AND EQUIPMENT SO ALL SYSTEMS ARE INSTALLED ACCORDING TO SPECIFIED REQUIREMENTS.

CONSTRUCTION SEQUENCE NOTES:

THE OWNER WILL MAINTAIN AND OPERATE EXISTING FACILITY AT CURRENT LEVEL UP TO AND UNTIL THAT TIME AT WHICH THE CONTRACTOR REQUIRES ACCESS FOR DEMOLITION OR RENOVATION PURPOSES.

COORDINATE ALL CONSTRUCTION WITH ALL OTHER TRADES AS REQUIRED.

THE OWNER WILL PAY ALL NECESSARY UTILITY CHARGES RELATED TO THE OPERATION OF THE EXISTING FACILITY AND THOSE NEWLY CONSTRUCTED FACILITIES DEEMED OPERATIONAL BY THE ENGINEER. THESE SHALL INCLUDE BUT NOT BE LIMITED TO ANY TEMPORARY ELECTRIC AND TELEPHONE SERVICE REQUIRED.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TEMPORARY FACILITIES REQUIRED TO PERFORM HIS WORK.

THE CONTRACTOR SHALL COORDINATE ALL OPERATIONAL CHANGES WITH THE OWNER AND ENGINEER. THE CONTRACTOR SHALL TEST AND SUCCESSFULLY START-UP ALL NEW AND REUSED EQUIPMENT. WHEN AN AREA IS TURNED OVER TO THE OWNER FOR THEIR OPERATION, THE WARRANTY PERIOD BEGINS FOR THAT AREA.

DEMOLITION:

DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL FIELD VERIFY AND PROVIDE FOR ADDITIONAL BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS BEING REMOVED OR RELOCATED, THAT MAY NEED TO BE REMOVED OR RELOCATED TO ACCOMMODATE NEW CONSTRUCTION.

MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING TO REMAIN ELECTRICAL DEVICES, FIXTURES, ETC. THAT PASS THROUGH RENOVATED SPACES BY PROVIDING ADDITIONAL WIRING TO FEED THROUGH TO THESE REMAINING ITEMS. RE-CIRCUIT ANY REMAINING DEVICES AS REQUIRED TO AVAILABLE PANELBOARD SPACE. RELOCATE ANY CIRCUITS THAT REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING. EXISTING SYSTEMS INCLUDE POWER DISTRIBUTION, TELEPHONE/DATA, SECURITY, AND CABLE TV.

COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AND OWNER AS APPLICABLE.

FOR DEVICES, FIXTURES, ETC. TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD OR NEAREST JUNCTION POINT FOR CIRCUITS WITH OTHER DEVICES TO REMAIN, UNLESS OTHERWISE NOTED.

EXISTING CIRCUITS INDICATED ARE DIAGRAMMATIC ONLY. VERIFY EXACT ROUTING OF EXISTING CONDUIT RUNS AND NUMBERS OF CONDUCTORS AND PROVIDE ADDITIONAL CONDUITS/CONDUCTORS AS NECESSARY TO ACCOMPLISH DESIGN INTENT.

ANY EXISTING ELECTRICAL DEVICES LEFT WITHOUT POWER DUE TO THIS RENOVATION SHALL BE RECONNECTED TO SAME SIZE CIRCUIT(S) AS PRESENTLY SERVED. NO ELECTRICAL DEVICES SHALL BE LEFT WITHOUT POWER.

IF OTHER AREAS OF THE FACILITY ARE SERVED THROUGH THE REMODELED AREA, THEIR CIRCUITS SHALL BE REWORKED AT A TIME COORDINATED WITH THE OWNER TO MINIMIZE ANY AREA BEING WITHOUT POWER. ALL AREAS OF THE FACILITY SHALL MAINTAIN THEIR EXISTING ELECTRICAL SERVICES, REWORKED IF NECESSARY.

PATCH AND REPAIR ALL SURFACES CONTAINING DEMOLITION. MATERIALS AND FINISHES SHALL MATCH ADJACENT SURFACES.

IN AREA OF RENOVATIONS, ANY REMAINING (EXISTING) CONDUIT, JUNCTION BOXES, FIXTURES, CABLES, ELECTRICAL DEVICES SHALL BE SUPPORTED PER THE SPECIFICATIONS. AS A RESULT, ALL ELECTRICAL WORK, EXISTING AND NEW IN THE AREA OF RENOVATION SHALL BE SUPPORTED PER THE SPECIFICATIONS OF THIS PROJECT.

CONDUCTORS IN THE RENOVATED AREA SHALL BE NEW. DO NOT REUSE EXISTING WIRING UNLESS NOTED OTHERWISE.

PROVIDE NEW BLANK COVERPLATES ON ANY UNUSED FLUSH MOUNT DEVICE BOXES UPON COMPLETION OF PROJECT.

PROPERLY DISPOSE OF ALL ITEMS BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT TO RETAIN ANY ELECTRICAL ITEMS REMOVED FROM THE REMODELED AREA AND NOT INDICATED TO BE REUSED. IF THE OWNER DOES NOT WANT THE ITEMS, CONTRACTOR SHALL REMOVE ITEMS FROM THE SITE. COORDINATE ITEMS TO BE RETAINED WITH OWNER.

FOR ALL EXISTING DEVICES INDICATED TO REMAIN, FIELD VERIFY THE EXISTING CIRCUIT, AND PROVIDE NEW LABEL ON DEVICE PLATE WITH CORRECT PANEL/CIRCUIT PER SPECIFICATIONS.

WARRANTY/COMPLETION OF WORK:

CONTRACTOR SHALL GUARANTEE WORK INSTALLED UNDER THE CONTRACT TO BE FREE FROM DEFECTIVE WORKMANSHIP & MATERIALS, USUAL WEAR EXCEPTED, SHOULD ANY SUCH DEFECTS DEVELOP WITHIN A PERIOD OF ONE YEAR FROM THE PROJECT DATE OF SUBSTANTIAL COMPLETION. THIS CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DEFECTIVE ITEMS & DAMAGE RESULTING FROM FAILURE OF THESE ITEMS, AT NO EXPENSE TO THE OWNER.

PERTINENT CERTIFICATES, WARRANTIES, AND O&M MANUALS SHALL BE DELIVERED TO THE OWNER'S REPRESENTATIVE, PRIOR TO FINAL BILLING. PROVIDE THREE (3) HARD COPY BOUND VOLUMES AND ONE (1) ELECTRONIC SET IN PDF FORMAT ON USB FLASH DRIVE.

BEFORE FINAL ACCEPTANCE BY THE OWNER WILL BE GRANTED, THE CONTRACTOR SHALL CLEAN ALL DEVICE PLATES, SERVICE FITTINGS AND OTHER ITEMS FURNISHED UNDER THIS CONTRACT. ALL EQUIPMENT AND DEVICES SHALL BE FREE OF CORROSION, DIRT, PAINT, SPLATTER, OR DAMAGE OF ANY KIND. CONTRACTOR SHALL CLEAN, REPAIR, OR REPLACE SAME AS INSTRUCTED BY THE OWNER BEFORE FINAL PAYMENT. EVERY PART OF THE INSTALLATION SHALL BE TESTED, OPERATED, AND LEFT IN PERFECT WORKING ORDER.

AT COMPLETION OF WORK, ELECTRICAL CONTRACTOR SHALL DELIVER TO OWNER (3) SETS OF AS-BUILT DRAWINGS SHOWING LOCATION AND SIZE OF ALL ELECTRICAL WORK.

RACEWAY & WIRING:

CONDUIT RUNS SHOWN ARE SCHEMATIC AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.

JUNCTION, PULL AND OUTLET BOXES SHALL BE INSTALLED SUCH THAT THE WIRING CONTAINED IN BOX MAY BE RENDERED ACCESSIBLE. WIRING SHALL BE NEATLY ARRANGED AND LACED WITH APPROVED CABLE TIES IN ACCORDANCE WITH INDUSTRY STANDARD PRACTICE.

CONDUCTORS SHALL BE COPPER, 600 VOLTS, THHN-THWN, 75°C INSULATION. #10 AWG AND SMALLER SHALL BE SOLID. #8 AWG AND LARGER SHALL BE STRANDED. MINIMUM SIZE SHALL BE #12 AWG.

MULTI-WIRE BRANCH CIRCUITS (SHARED NEUTRALS) ARE NOT PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE.

WHERE MULTI-WIRE BRANCH CIRCUITS ARE INDICATED OR EXISTING, PROVIDE LISTED HANDLE-TIES FOR ALL CIRCUITS SHARING A NEUTRAL. HANDLE-TIES SHALL BE CONSTRUCTED TO FORCE ALL TIED BREAKERS TO SHUT OFF TOGETHER WHEN THE HANDLE OF ANY ONE BREAKER IS MANUALLY MOVED TO THE OFF POSITION, BUT THE HANDLE-TIE SHALL NOT CAUSE COMMON TRIPPING OF ALL BREAKERS WHEN ONE EXPERIENCES AN OVERCURRENT CONDITION. RELOCATE EXISTING HOMERUNS TO ADJACENT SPACES AS REQUIRED TO COMPLY WITH THIS REQUIREMENT AND RELABEL ALL EXISTING RACEWAY AND DEVICES TO INDICATE NEW CIRCUIT NUMBERS. LABEL EACH NEUTRAL AS TO WHICH CIRCUIT IT IS ASSOCIATED WITH.

VERIFY EXACT CIRCUIT LENGTH AND SIZE OF CONDUCTORS TO PROVIDE ACCEPTABLE VOLTAGE DROP PER NEC. INCREASE CONDUIT SIZE AS REQUIRED TO ACCOMMODATE CONDUCTORS IN COMMON RACEWAY.

MAKE SPLICES AND TAPS THAT ARE COMPATIBLE WITH CONDUCTOR MATERIAL AND THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN UNSPLICED CONDUCTORS.

ALL CONDUCTORS SHALL BE IN CONDUIT UNLESS NOTED OTHERWISE. EXPOSED CONDUIT AND WHERE SUBJECT TO PHYSICAL DAMAGE SHALL BE RMC. USE FLEXIBLE METALLIC CONDUIT FOR FINAL CONNECTION TO VIBRATING EQUIPMENT; LIQUIDTIGHT IN WET LOCATIONS. USE EMT WITH COMPRESSION FITTINGS IN INTERIOR LOCATIONS NOT SUBJECT TO PHYSICAL DAMAGE. SET SCREW FITTINGS ARE NOT ALLOWED. MINIMUM CONDUIT SIZE IS 1/2" UNLESS NOTED OTHERWISE.

ALL CONDUIT AND WIRING WITHIN BUILDINGS SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN-LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THEOWNER.

USE COLOR CODED ADHESIVE MARKING TAPE FOR RACEWAYS, WIRES AND CABLES. COLOR CODE THE WIRING SYSTEM TO MATCH EXISTING CONDITIONS. IF NO CODING EXISTS ON PROPERTY, CODE WIRING AS FOLLOWS:

208Y/120V
PHASE A: BLACK
PHASE B: RED
PHASE C: BLUE
NEUTRAL: WHITE
GROUND: GREEN

CONDUIT PENETRATIONS OF ROOF, WALLS, FLOORS, AND CEILINGS SHALL BE SEALED TO PRESERVE THE INTEGRITY OF WATERPROOFING, FIRE RATING, AND SOUNDPROOFING FOR WHICH THE ROOF, WALL, FLOOR, OR CEILING IS DESIGNED. MATERIALS AND METHODS USED SHALL COMPLY WITH STATE AND LOCAL BUILDING AND FIRE CODES. COORDINATE WITH GENERAL CONTRACTOR TO ENSURE THAT SEALING/FIRESTOPPING IS DONE.

EQUIPMENT & DEVICES:

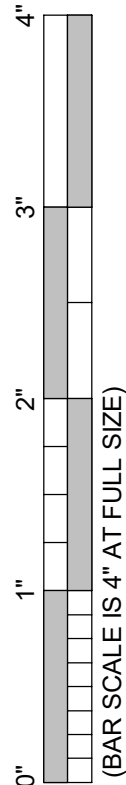
LIGHTING FIXTURES SHALL BE AS SCHEDULED.

PROVIDE SUITABLE TRIM AND APPURTENANCES TO MOUNT LIGHTING. FIXTURES IN THE TYPE OF WALL OR OTHER LOCATION AT THE SITE REGARDLESS OF WHAT DRAWINGS SHOW. VERIFY BY REVIEWING EXISTING CONDITIONS PRIOR TO ORDERING FIXTURES.

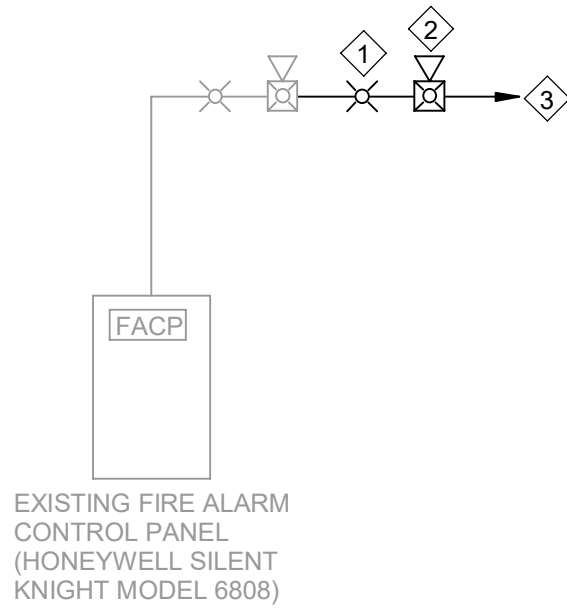
ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE, WITH STAINLESS STEEL COVERPLATE AND MATCHING SCREWS, BY LEVITON, HUBBELL, PASS & SEYMOUR, OR COOPER. VERIFY DEVICE COLOR/FINISH AT SUBMITTAL REVIEW.

MOTOR RATED SWITCHES SHALL BE SPECIFICATION GRADE TOGGLE SWITCH, SINGLE-POLE, 20A, RATED FOR 1 HP AT 120VAC, GRAY COLOR WITH STAINLESS STEEL COVER PLATE AND LOCKOUT GUARD/BRAKET, BY LEGRAND, HUBBELL, LEVITON, OR APPROVED EQUAL.

DIMMERS SHALL BE OF THE TYPE AND MANUFACTURER COMPATIBLE WITH THE FIXTURES CONTROLLED (E.G. 0-10V, FORWARD PHASE, REVERSE PHASE ETC.). DIMMERS SHALL BE RATED 960VA MINIMUM AND SHALL BE LUTRON SKYLARK WITH SLIDER AND ON/OFF BUTTON OR EQUAL UNIT BY LEVITON, SENSOR SWITCH, OR WATTSTOPPER. DIMMER CIRCUITS SHALL EACH HAVE A DEDICATED NEUTRAL.

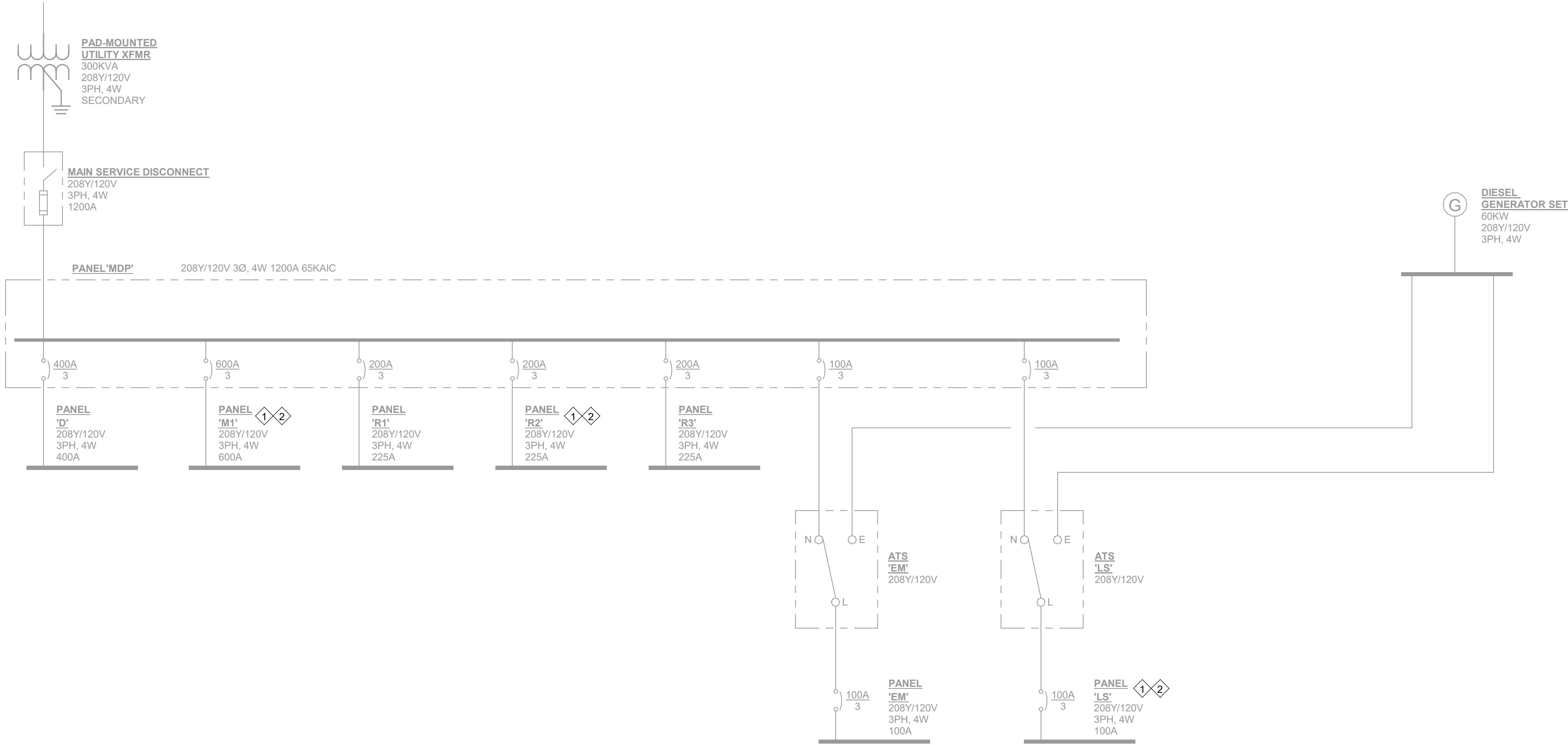


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- FIRE ALARM SYSTEM NOTES:**
- THIS RISER REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION. SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS. EXACT SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH THE SYSTEM SUPPLIER.
 - THIS DIAGRAM IS NOT INTENDED TO SHOW EXACT QUANTITIES OF DEVICES. AND NOT ALL DEVICE TYPES SHOWN IN THIS DIAGRAM MAY BE USED ON THIS PARTICULAR PROJECT. REFER TO PLAN FOR EXACT DEVICE QUANTITY AND TYPES.
 - REMOVE EXISTING FIRE ALARM DEVICES PER PLANS. PROVIDE NEW FIRE ALARM DEVICES AS REQUIRED TO MEET NEW RENOVATED AREA PLAN. ALL FIRE ALARM DEVICES SHALL BE FULLY COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM AND MATCH EXISTING. PROVIDE ALL WIRING, RACEWAY, ACCESSORIES, ETC. REQUIRED TO FULLY INTEGRATE ALL DEVICES INTO THE EXISTING SYSTEM. FIELD VERIFY EXACT REQUIREMENTS.
 - PROVIDE SHOP DRAWINGS AND PRODUCT DATA SUBMITTALS FOR FIRE ALARM WORK REQUIRED IN THESE DRAWINGS IN ACCORDANCE WITH NFPA 72-2016 SECTION 7.4.

1 FIRE ALARM RISER DIAGRAM
E0.03 NOT TO SCALE



2 ELECTRICAL SINGLE-LINE DIAGRAM
E0.03 NOT TO SCALE

- GENERAL NOTES:**
- ALL EQUIPMENT IS EXISTING TO REMAIN UNO.
 - PROVIDE NEW NAMEPLATE FOR ALL EXISTING PANELBOARDS. REFER TO NAMEPLATE DETAIL ON SHEET E0.01.
- KEY NOTES:**
- CIRCUITS IN THIS EXISTING PANEL SHALL BE MODIFIED AS DESCRIBED IN THESE DRAWINGS. REFER TO PLANS AND PANEL SCHEDULES.
 - PROVIDE UPDATED TYPEWRITTEN PANEL DIRECTORY IN THIS PANEL TO REFLECT CONDITIONS UPON COMPLETION OF THE PROJECT. TRACE OUT AND VERIFY ALL AFFECTED EXISTING CIRCUITS. FOR REMOVED ITEMS OR CIRCUITS THAT ARE NO LONGER USED, LABEL CIRCUIT AS 'SPARE' AND TURN BREAKER OFF. DIRECTORY SHALL INDICATE PANEL NAME/DESIGNATION AS WELL AS PROPER IDENTIFICATION OF ALL EXISTING CIRCUITS.

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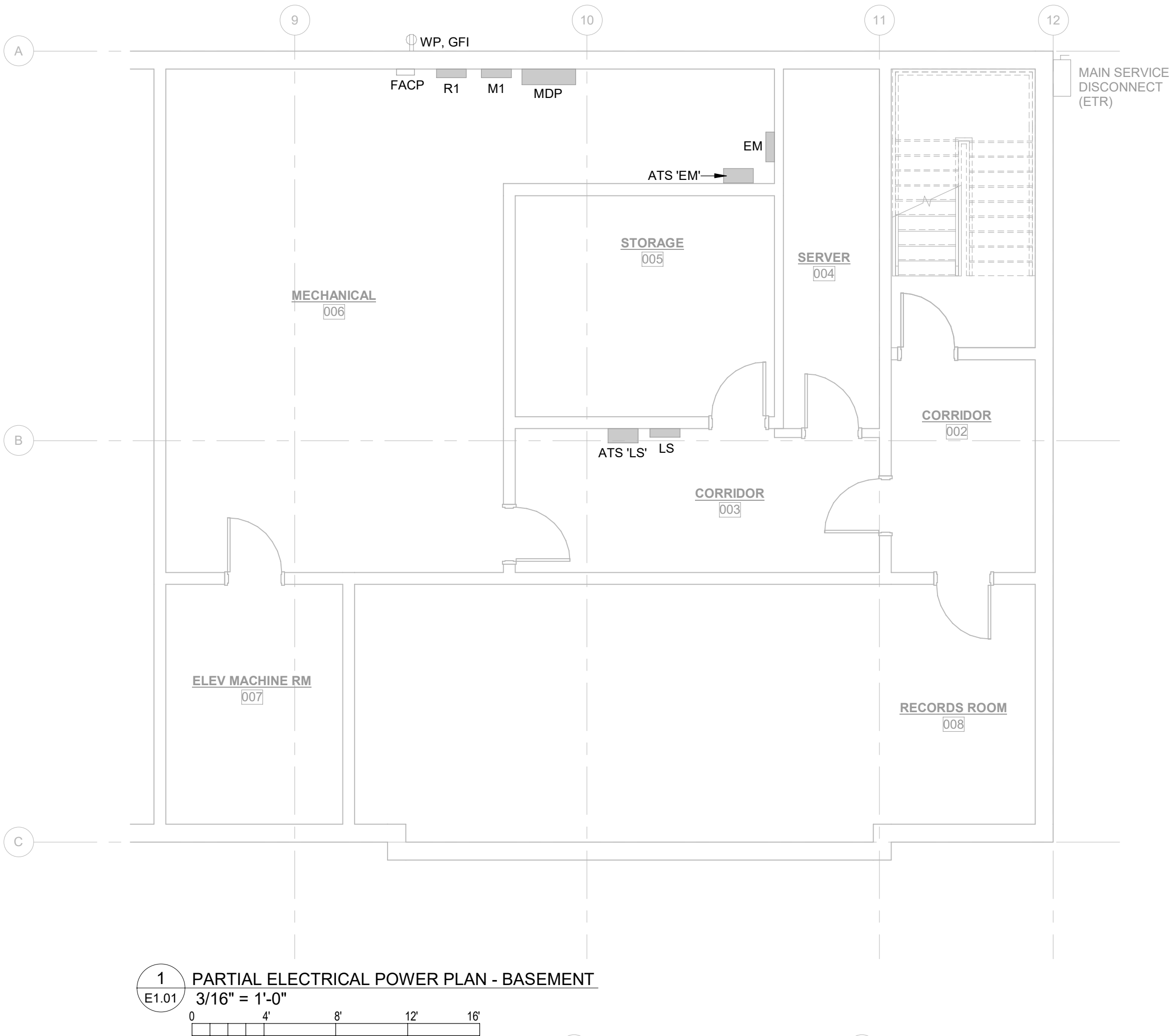
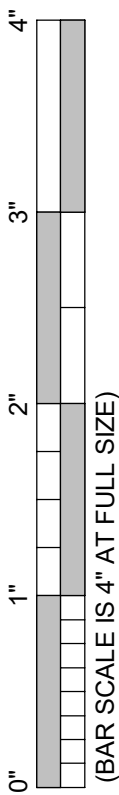
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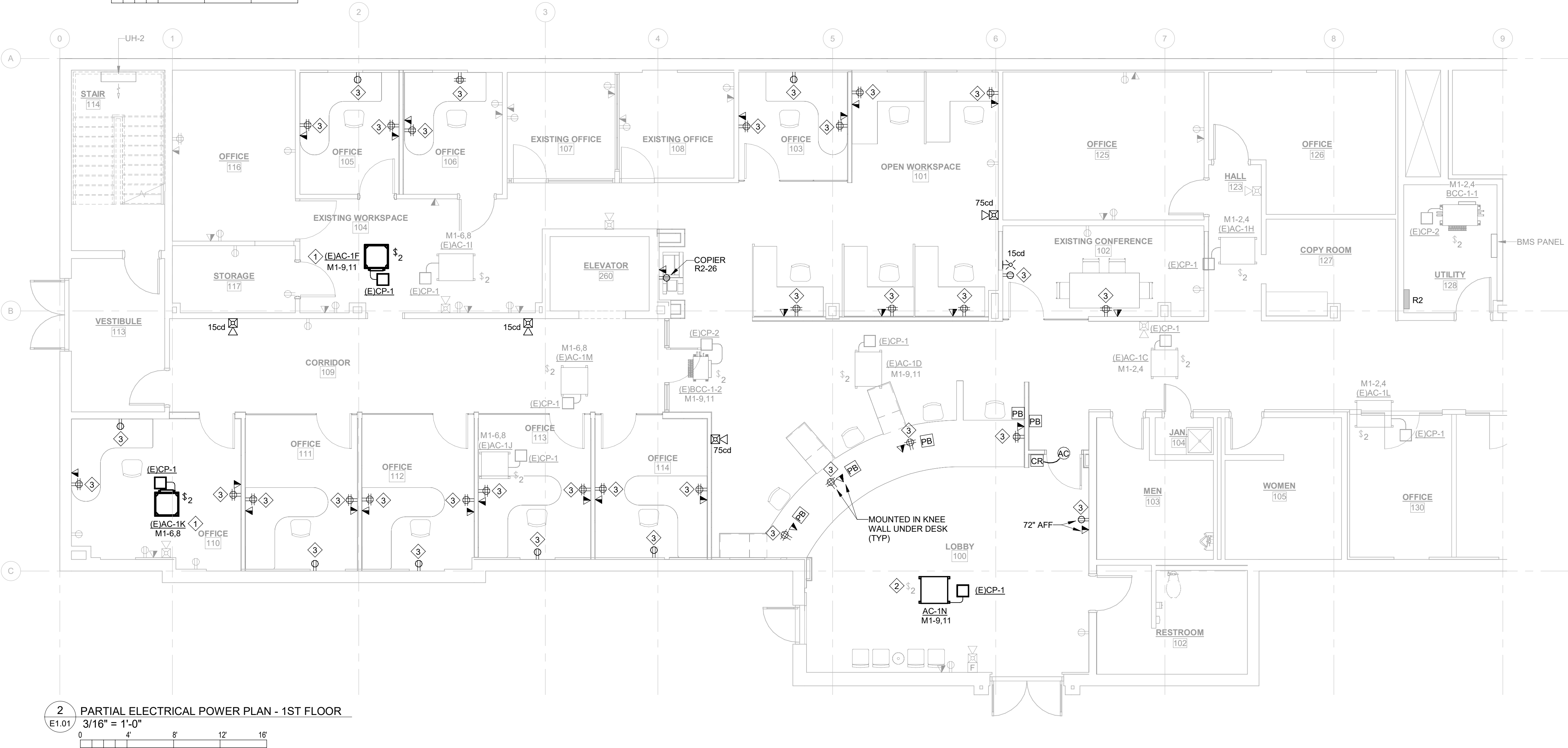
**ELECTRICAL
DIAGRAMS**

E0.03

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MECHANICAL EQUIPMENT SCHEDULE										
TAG	VOLTAGE	PHASE	LOAD			CONDUCTORS & CONDUIT	DISCONNECT	CIRCUIT		REMARKS
			KW	HP	FLA			PANEL	NO.	
AC-1N	208	1			1.7	2#12, 1#12G; 3/4\"C	2 POLE MOTOR RATED SWITCH	M1	9,11	



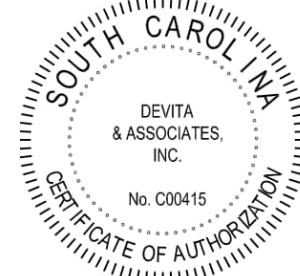
GENERAL NOTES:

- REFER TO MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET FOR MECHANICAL EQUIPMENT CIRCUIT AND DISCONNECT REQUIREMENTS.
- LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE. REFER TO LABELING DETAIL ON SHEET E0.01.
- COORDINATE EXACT CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT NAMEPLATE PRIOR TO WORK.
- PROVIDE WORKING CLEARANCE FOR ALL ELECTRICAL DISCONNECTS PER NEC.
- COORDINATE EXACT MOUNTING HEIGHT AND LOCATIONS OF ALL TELEVISIONS AND MONITORS PRIOR TO ROUGH-IN.
- THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.
- PROVIDE POWER TO CONDENSATE PUMPS (CP-#) FROM ADJACENT AC, DOAS, OR BCC PER MANUFACTURER'S INSTRUCTIONS.
- COORDINATE WITH LOW-VOLTAGE VENDOR FOR EXACT LOCATIONS AND REQUIREMENTS REGARDING ALL SECURITY, IT, AND OTHER LOW-VOLTAGE ITEMS.

PLAN NOTES:

- EXISTING HVAC EQUIPMENT AND CONDENSATE PUMP TO BE RELOCATED. DISCONNECT EQUIPMENT AND CONDENSATE PUMP AND RECONNECT AT NEW LOCATION SHOWN. RELOCATE AND RECONNECT ASSOCIATED DISCONNECT AT NEW LOCATION.
- REUSE EXISTING MOTOR RATED SWITCH FROM REMOVED HVAC EQUIPMENT.
- CONNECT NEW DEVICE TO EXISTING LOCAL RECEPTACLE CIRCUIT FROM PANEL R2. NOTE THE CIRCUIT ON THE AS-BUILT DRAWINGS. CONNECT NO MORE THAN TEN (10) DUPLEX RECEPTACLES ON SAME CIRCUIT.

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Project



**YORK COUNTY
PLANNING BUILDING
LOBBY RENOVATION**

Project Number 26102
Drawn By RHV
Checked By SLE
Date 06 APR 2026

Revisions

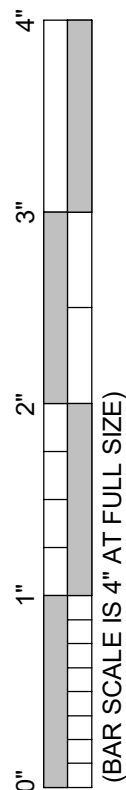
A 31 MAR 2026 ISSUE FOR PERMIT
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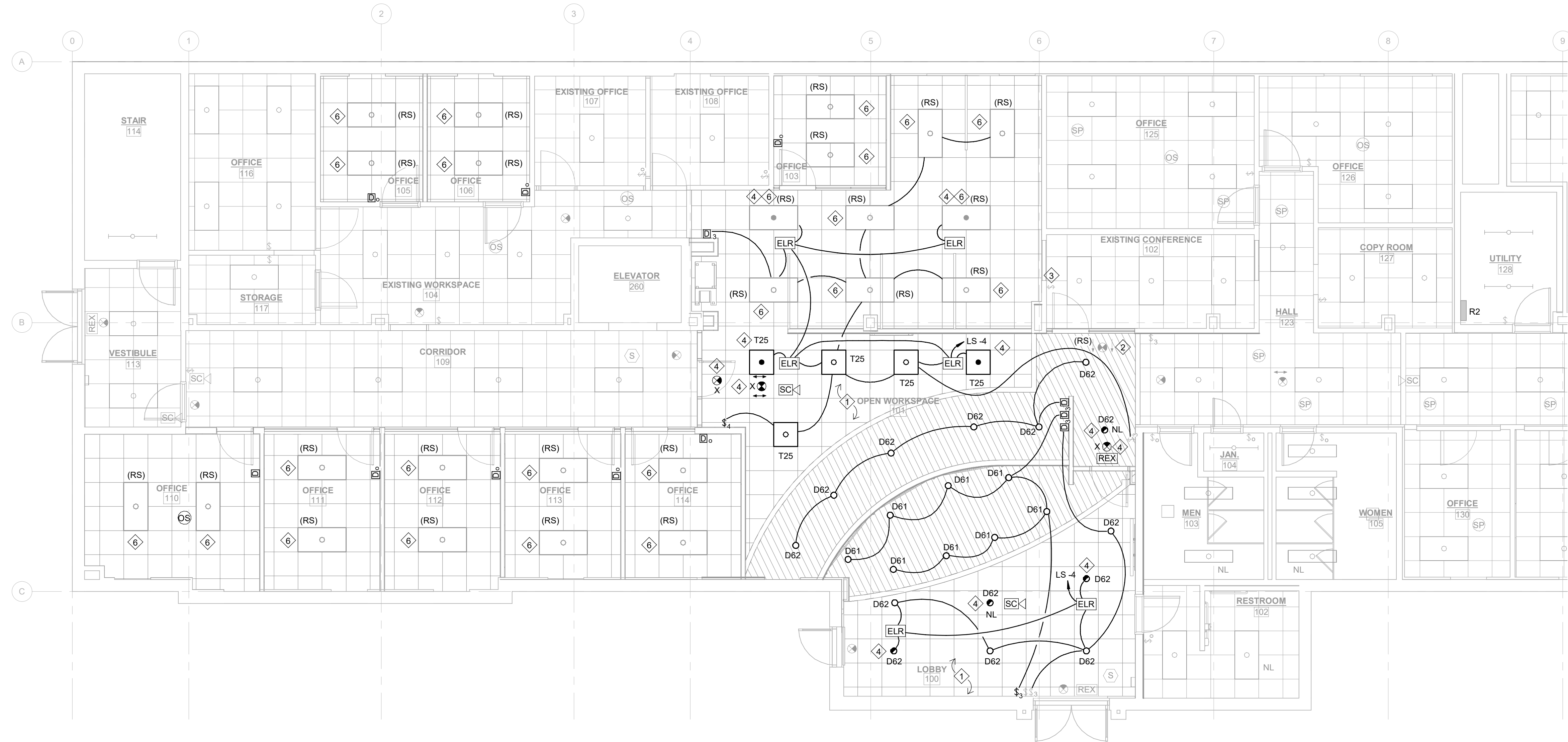
**ELECTRICAL POWER
PLAN - BASEMENT &
1ST FLOOR**

E1.01

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1 ELECTRICAL CEILING PLAN - 1ST FLOOR
E2.01
3/16" = 1'-0"
0 4 8 12 16



LIGHTING FIXTURE SCHEDULE

FIXTURE MARK	FIXTURE DESCRIPTION	LAMP TYPE AND LUMENS	VOLTAGE	FIXTURE WATTS	MOUNTING METHOD AND HEIGHT	ACCEPTABLE MANUFACTURERS	REMARKS
D61	6" ROUND RECESSED DOWNLIGHT, OPEN REFLECTOR, WIDE DISTRIBUTION, CLEAR SEMI-SPECULAR REFLECTOR FINISH, 1% MINIMUM 0-10V DIMMING	LED 4000°K 1000 LUMENS	120	10	CEILING RECESSED	MANUF: GOTHAM LIGHTING PART # EVO6 40/10 AR LSS WD MVOLT E21 OR EQUAL BY PRESCOLITE, PORTFOLIO, OR HE WILLIAMS	
D62	SAME AS TYPE 'D61' EXCEPT LUMEN OUTPUT	LED 4000°K 2000 LUMENS	120	20	CEILING RECESSED	MANUF: GOTHAM LIGHTING PART # EVO6 40/20 AR LSS WD MVOLT E21 OR EQUAL BY BY PRESCOLITE, PORTFOLIO, OR HE WILLIAMS	
ELR	EMERGENCY LOAD RELAY, UL 924 LISTED, CONSISTING OF RELAY SWITCHING CIRCUITRY AND FUSING CONTAINED IN ENCLOSURE MOUNTED IN CEILING ADJACENT TO FIXTURE SO THAT INDICATOR LIGHTS ARE VISIBLE.	-	120/277	-	-	MANUF: FUNCTIONAL DEVICES PART # ESRN OR EQUAL BY EMERGI-LITE OR BODINE	
T25	2X2' RECESSED LED ARCHITECTURAL TROFFER, FROSTED ACRYLIC LENS, CRS STEEL HOUSING AND REFLECTOR, GRID MOUNT, 1% MINIMUM 0-10V DIMMING	LED 4000°K 4900 LUMENS	120	38	CEILING RECESSED	MANUF: HE WILLIAMS PART # LT 2 2 L49 8 40 AF DIM1 UNV OR EQUAL BY COLUMBIA OR METALUX	1
X	EXIT SIGN, WHITE THERMOPLASTIC HOUSING, RED STENCIL LED LETTERS, UL924 LISTED, UNIVERSAL MOUNTING, SINGLE FACE WITH EXTRA FACEPLATE & COLOR PANEL	LED	120	5	WALL MOUNT AT 7'-6" OR BOTTOM OF FIXTURE 6" ABOVE DOOR FRAME, OR CEILING MOUNT PER PLANS WITH TOP MOUNTING STEM	MANUF: LITHONIA LIGHTING PART # LQM S W RG MVOLT OR EQUAL BY SURE-LITES OR DUAL-LITES	

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

- FINISHES SHALL BE CONFIRMED BY ARCHITECT OR OWNER PRIOR TO ORDERING.
- LED DRIVERS SHALL CONFORM TO IEEE P1789 STANDARDS. ALTERNATIVELY, MANUFACTURERS MUST DEMONSTRATE CONFORMANCE WITH PRODUCT LITERATURE AND TESTING WHICH DEMONSTRATES THIS PERFORMANCE. SYSTEMS THAT DO NOT MEET IEEE P1789 WILL NOT BE CONSIDRED.
- LED DRIVERS SHALL BE MULTI-VOLT. IF MULTI-VOLT DRIVERS ARE NOT AVAILABLE, THEN REQUIRED VOLTAGE SHALL BE VERIFIED WITH ENGINEER PRIOR TO ORDERING.
- ENSURE THAT LIGHTING CONTROL DEVICES ARE COMPATIBLE WITH FIXTURES AND LAMPS.
- PROVIDE MOUNTING KITS AND/OR ACCESSORIES REQUIRED FOR INSTALLING FIXTURES IN VARIOUS CEILING TYPES. VERIFY CEILING TYPES WITH ARCHITECTURAL DRAWINGS.

LIGHTING FIXTURE SCHEDULE REMARKS:

- VERIFY AND MATCH COLOR TEMPERATURE OF EXISTING TROFFER LIGHT FIXTURES PRIOR TO ORDERING.

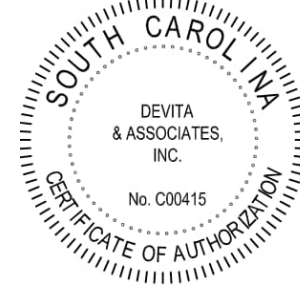
GENERAL NOTES:

- REFER TO THIS SHEET FOR LIGHTING FIXTURE SCHEDULE.
- EMERGENCY LIGHTS/EXIT SIGNS SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR OF CIRCUIT INDICATED.
- LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE. REFER TO LABELING DETAIL ON SHEET E0.01.
- THIS PROJECT UTILIZES A RETURN AIR PLENUM. ALL MATERIALS USED WITHIN THE PLENUM SHALL BE PLENUM RATED. COORDINATE WITH ALL OTHER TRADES PRIOR TO BEGINNING WORK.
- COORDINATE WITH LOW-VOLTAGE VENDOR FOR EXACT LOCATIONS AND REQUIREMENTS REGARDING ALL SECURITY, IT, AND OTHER LOW-VOLTAGE ITEMS.
- WHERE INDICATED PER BELOW, PROVIDE WORK AS FOLLOWS:
 - (RS) DENOTES REINSTALLED EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. REMOVED AND SALVAGED DURING DEMOLITION PHASE. IN RENOVATED AREA, EXTEND HOMERUNS TO NEW LOCATIONS AS REQUIRED UNLESS NOTED OTHERWISE.

PLAN NOTES:

- CONNECT NEW LIGHT FIXTURE TO EXISTING LOCAL LIGHTING CIRCUIT FROM PANEL R2 UNO. NOTE THE CIRCUIT ON THE AS-BUILT DRAWINGS.
- RELOCATE EXISTING LIGHT FIXTURE TO NEW LOCATION INDICATED. RECONNECT TO EXISTING LIGHTING CIRCUIT.
- RECONFIGURE LIGHT SWITCH AND ASSOCIATED WIRING TO FUNCTION AS THE SINGULAR CONTROL FOR THE ROOM.
- CONNECT LIGHT FIXTURE AND/OR ASSOCIATED EMERGENCY LOAD RELAY (ELR) TO EXISTING LOCAL EMERGENCY LIGHTING CIRCUIT FROM PANEL LS.
- RELOCATE EXISTING SECURITY CAMERA TO NEW LOCATION INDICATED.
- CONNECT RELOCATED FIXTURE TO EXISTING LOCAL LIGHTING CIRCUIT FROM PANEL R2 UNO. NOTE THE CIRCUIT ON THE AS-BUILT DRAWINGS. RELOCATE AND REUSE EXISTING FIXTURES IN SIMILAR TYPE SPACE AS THE ORIGINAL LOCATION.

Seal



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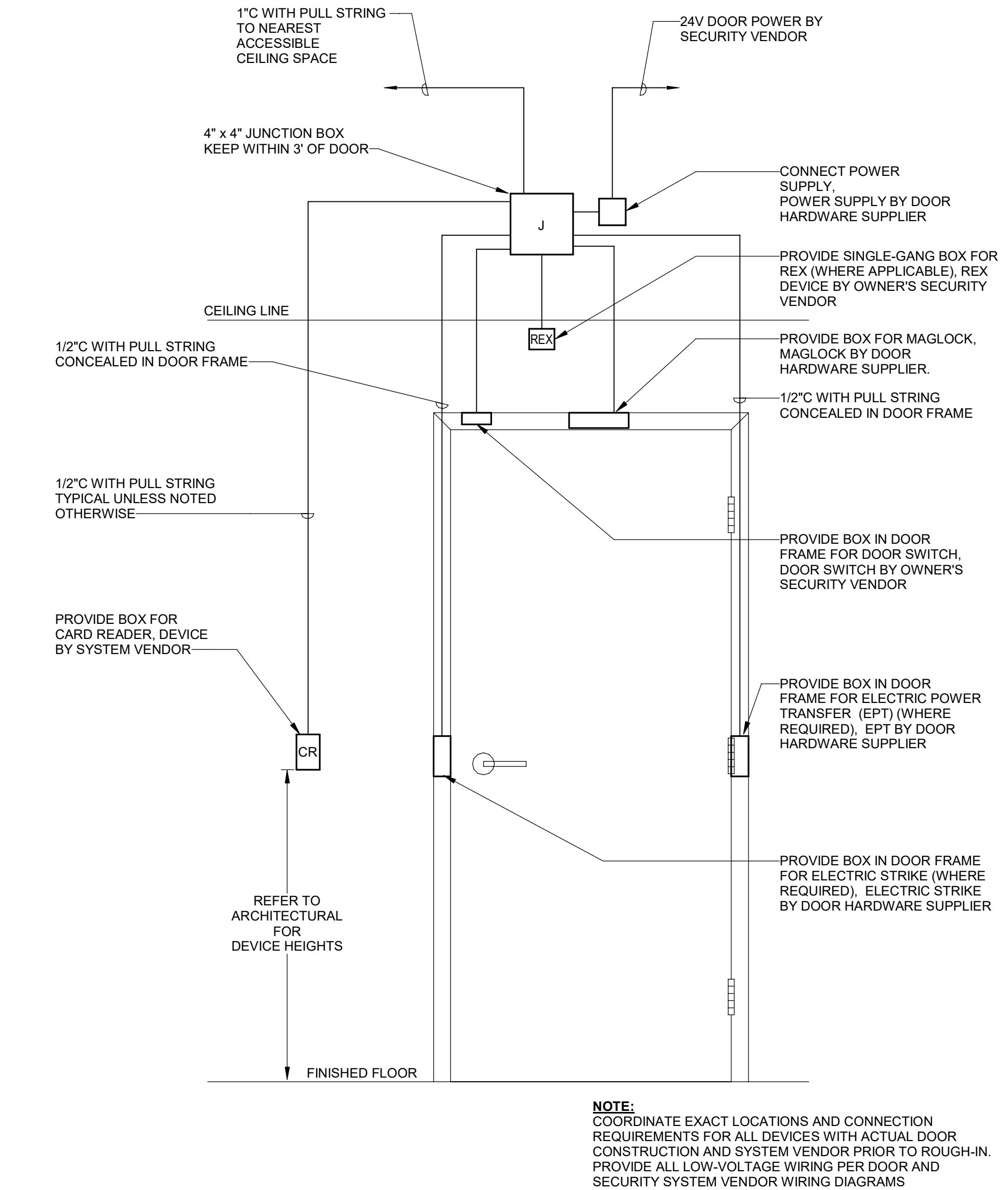
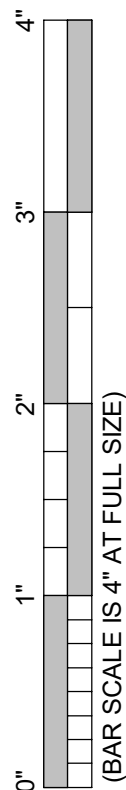
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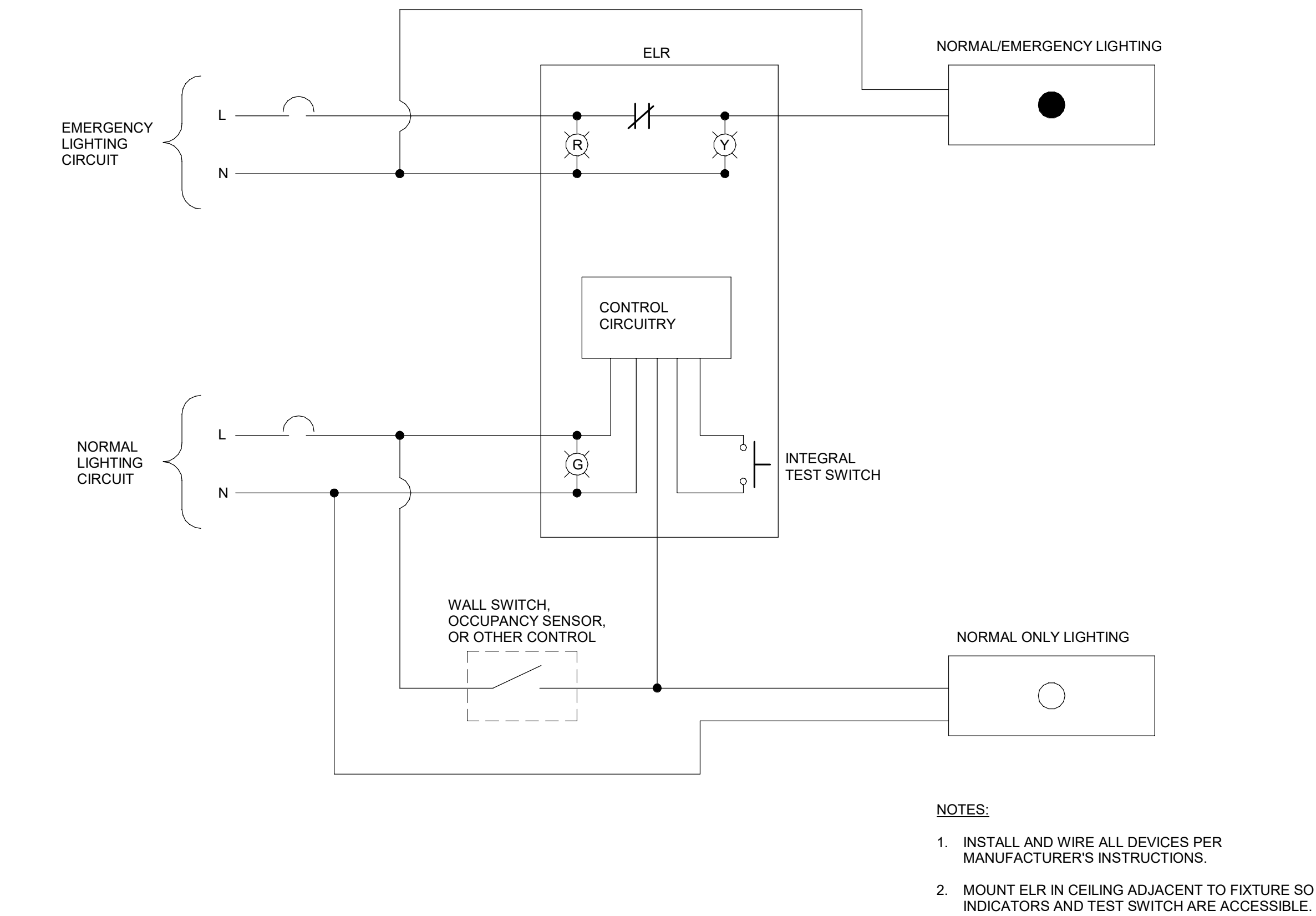
**ELECTRICAL
CEILING PLAN - 1ST
FLOOR**

E2.01

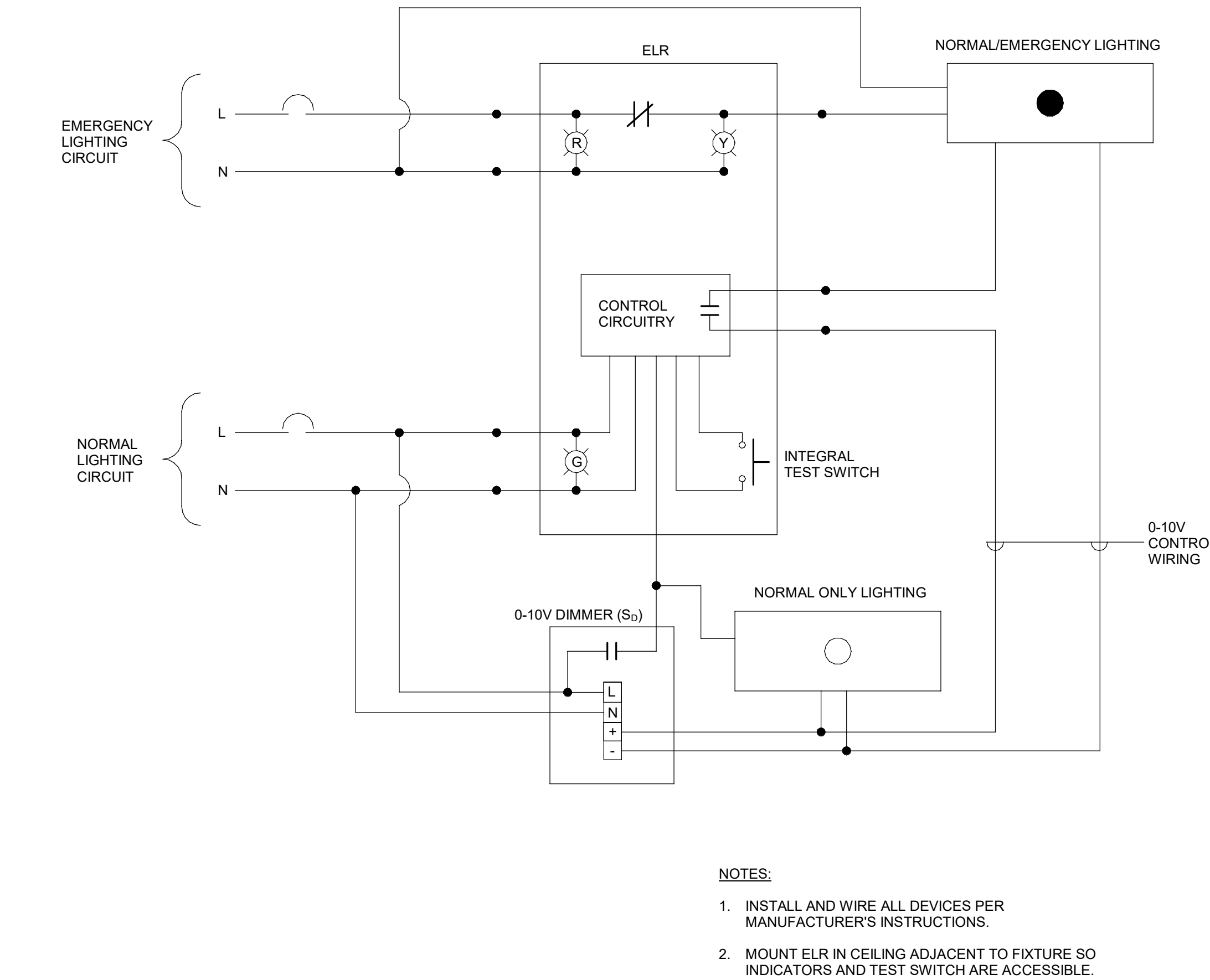
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1 TYPICAL DOOR PREPARATION FOR ACCESS CONTROL (AC)
E8.00 NOT TO SCALE

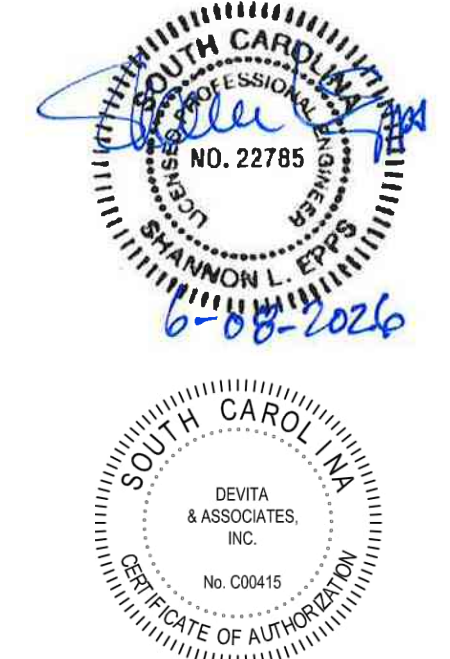


2 ELR WIRING SCHEMATIC - MANUAL SWITCH OR OCCUPANCY SENSOR
E8.00 NOT TO SCALE



3 ELR WIRING SCHEMATIC - 0-10V DIMMING
E8.00 NOT TO SCALE

Seal



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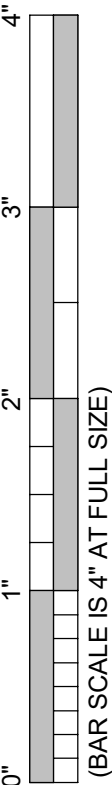
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**ELECTRICAL
DETAILS**

E8.00



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Panel: MDP (EXISTING)										Remarks: EATON PRL4									
Voltage: 120/208 Wye Phases: 3 Wires: 4 Enclosure: TYPE 1										Min SCCR: EXISTING Mounting: SURFACE Feeder Rating: 1200 A Panel Rating: 1200 A Type: MLO									
BRKR	Notes	Circuit Description		CKT	A (VA)		B (VA)		C (VA)		CKT	Circuit Description		Notes	BRKR				
30 A	3	E	SPD	1	0	6402					2	PANEL EM		E	3	100 A			
				3			0	5040			4								
				5					0	5062	6								
200 A	3	E	PANEL R3	7	8520	700					8	PANEL LS		E	3	100 A			
				9			8320	436			10								
				11					8740	200	12								
400 A	3	E	PANEL D	13	2154	--					14	SPACE OCCUPIED BY PANEL D		E	3	--			
				15			2512	--			16								
				17					2460	--	18								
600 A	3	E	PANEL M1	19	26837	--					20	SPACE OCCUPIED BY PANEL M1		E	3	--			
				21			26218	--			22								
				23					25920	--	24								
150 A	3	E	ELEVATOR	25	10300	10000					26	PANEL R1		E	3	200 A			
				27			10300	8750			28								
				29					10300	7580	30								
125 A	3	E	SPARE	31	0	10020					32	PANEL R2		E	3	200 A			
				33			0	8620			34								
				35					0	8740	36								
125 A	3	E	SPARE	37	0	0					38	SPARE		E	3	45 A			
				39			0	0			40								
				41					0	0	42								
125 A	3	E	SPARE	43	0	--					44	SPACE			3	--			
				45			0	--			46								
				47					0	--	48								
					74932 VA		70196 VA		69002 VA										
Connected Load		19966 VA	49890 VA	2220 VA	56220 VA	Refrig	Kitchen	Misc	PANEL TOTALS:										
Demand Factor		125.00%	100.00%	100.00%	NEC			100.00%	Total Conn. Load: 214131 VA										
Demand Load		24958 VA	49890 VA	2220 VA	33110 VA			85655 VA	Total Est. Demand: 195976 VA										
									Total Conn. Current: 594 A										
									Total Est. Demand Current: 544 A										

Panel: M1 (EXISTING)										Remarks: EATON PRL3A									
				Voltage: 120/208 Wye Phases: 3 Wires: 4 Enclosure: TYPE 1				Min SCCR: EXISTING Mounting: SURFACE Feeder Rating: 600 A Panel Rating: 600 A Type: MLO											
BRKR	Notes	Circuit Description		CKT	A (VA)		B (VA)		C (VA)		CKT	Circuit Description		Notes	BRKR				
15 A	2	E	DOAS-1, CP-25	1	446	1174					2	AC-1C, AC-1G, AC-1H, AC-1L, BCC-1-1, CP-3, CP-7, CP-8, CP-12, CP-27		E	2	15 A			
				3			446	1174			4								
				5					420	902	6								
15 A	2	E	AC-1A, AC-1B, BCC-3, CP-1, CP-2, CP-31	7	420	902					8	AC-1I, AC-1J, AC-1K, AC-1M, CP-9, CP-10, CP-11, CP-13		R	2	15 A			
				9			703	--			10						SPACE		
				11					703	--	12						SPACE		
15 A	2	R	AC-1D, AC-1F, AC-1N, BCC-1-2, CP-4, CP-5, CP-6, CP-28	13	--	5884					14	HP-1		E	3	100 A			
				15			--	5884			16								
				17					--	5884	18								
45 A	3	E	SPARE	19	0	5164					20	HP-3		E	3	90 A			
				21			0	5164			22								
				23					0	5164	24								
30 A	3	E	SPARE	25	0	4924					26	HP-2 (CKT 1)		E	3	90 A			
				27			0	4924			28								
				29					0	4924	30								
70 A	3	E	SPARE	31	0	4924					32	HP-2 (CKT 2)		E	3	90 A			
				33			0	4924			34								
				35					0	4924	36								
70 A	3	E	SPARE	37	0	3000					38	DH-1		E	3	35 A			
				39			0	3000			40								
				41					0	3000	42								
					26837 VA		26218 VA		25920 VA										
Connected Load		Lighting	HVAC	Motors	Receptacle	Refrig	Kitchen		Misc		PANEL TOTALS:								
Demand Factor		Not...	100.00%	100.00%	NEC				100.00%		Total Conn. Load: 78975 VA								
Demand Load		0 VA	43205 VA	1099 VA					34671 VA		Total Est. Demand: 78975 VA								
											Total Conn. Current: 219 A								
											Total Est. Demand Current: 219 A								