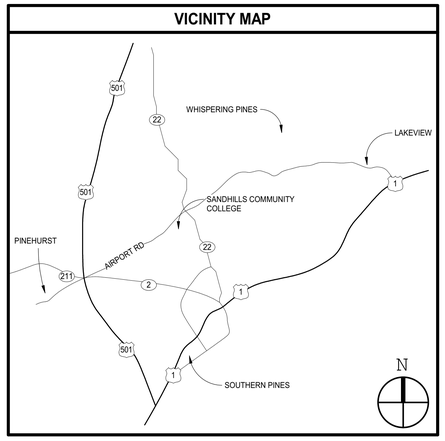
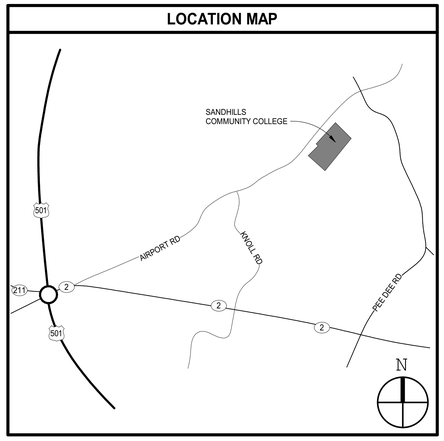
BID SET

MEYER HALL RENOVATIONS

SANDHILLS COMMUNITY COLLEGE
PINEHURST, NORTH CAROLINA

SCO # 21-23544-01A





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DRAWING INDEX

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

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BRADLEY J LOCKWOOD REGISTERED ARCHITECT 14206 NORTH CAROLINA RALEIGH, NC

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MEYER HALL RENOVATIONS
SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

COVER

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2018 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: MEYER HALL RENOVATION
Address: 3385 AIRPORT ROAD, PINEHURST, NC 28374 Zip Code 28374
Owner/Authorized Agent: KEN DOWDY Phone # (910) 246 - 2869 E-Mail DOWDYK@SANDHILLS.EDU
Owned By: ☐ City/County ☐ Private ■ State
Code Enforcement Jurisdiction: ☐ City_____ ■ County MOORE ■ State

CONTACT: Brad Lockwood

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	Moseley Architects	Bradley Lockwood	14206	(919)840-0091	blockwood@moseleyarchitects.com
Civil	n/a			( )_____	
Electrical	Moseley Architects	Brian Wells	040202	(919)804-7555	bwells@moseleyarchitects.com
Fire Alarm	Moseley Architects	Brian Wells	040202	(919)804-7555	bwells@moseleyarchitects.com
Plumbing	Moseley Architects	Tyler Whatley	043951	(919)840-7555	twhatley@moseleyarchitects.com
Mechanical	Moseley Architects	Tyler Whatley	043951	(919)840-7555	twhatley@moseleyarchitects.com
Sprinkler-Standpipe	n/a			( )_____	
Structural	n/a			( )_____	
Retaining Walls >5' High				( )_____	
Other				( )_____	

("Others" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC CODE FOR: ☐ New Construction ☐ Addition ■ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core
☐ Phased Construction – Shell/Core
■ Renovation

2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alteration: ■ Level I ☐ Level II ☐ Level III
☐ Historic Property ☐ Change of Use
CONSTRUCTED:(date) 1964 **ORIGINAL OCCUPANCY(S)** (Ch. 3): Business
RENOVATED: (date) 1997 **CURRENT OCCUPANCY(S)** (Ch. 3): Business
RISK CATEGORY (table 1604.5) **Current:** ☐ I ■ II ☐ III ☐ IV
Proposed: ☐ I ■ II ☐ III ☐ IV

BASIC BUILDING DATA
Construction Type: (check all that apply) ☐ I-A ☐ I-B ☐ II-A ■ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ☐ V-B
Sprinklers: ■ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ■ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ■ No ☐ Yes (Primary) **Flood Hazard Area:** ☐ No ■ Yes
Special Inspections Required: ■ No ☐ Yes

Gross Building Area:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	RENO/ALTER (SQ.FT)	SUB-TOTAL
6th Floor	N/A	N/A	N/A	N/A
5th Floor	N/A	N/A	N/A	N/A
4th Floor	N/A	N/A	N/A	N/A
3rd Floor	N/A	N/A	N/A	N/A
2nd Floor	13,420	0	7,670	13,420
Mezzanine	N/A	N/A	N/A	N/A
1st Floor	12,520	0	3,109	12,520
Basement	3,310	0	0	3,310
TOTAL	29,250	0	10,779	29,250

ALLOWABLE AREA
Primary Occupancy Classification: SELECT ONE
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ■
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ 1 ☐ 2
☐ 1-2 Condition ☐ 1 ☐ 2
☐ 1-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ 1-4
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s): _____
Incidental Uses (Table 509): _____
Special Uses (Chapter 4 – List Code Sections) _____
Special Provisions: (Chapter 5 – List Code Sections): _____
Mixed Occupancy: ■ No ☐ Yes Separation: ____ Hr. Exception: _____
☐ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
☐ Separated Use (508.4) -
See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

_____ + _____ + ... = _____ ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[1,3]
			N/A		

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase I_f = 100 [F/P - 0.25] x W/30 = _____ (%)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE (TABLE 503)	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	55'	32'-6"	
Building Height in Stories (Table 504.4)	3	2	

[1] Provide code reference if the "Show on Plans" quantity is not based on Table 504.3 or 504.4.
[2] The maximum height of air traffic control towers must comply with Table 412.3.1
[3] The maximum height of open parking garages must comply with Table 406.5.4

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/_____* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North	EX	0	0	N/A	N/A		
East	EX	0	0	N/A	N/A		
West	EX	0	0	N/A	N/A		
South	EX	0	0	N/A	N/A		
Interior							
Nonbearing Walls and Partitions							
Exterior walls							
North	EX	0	0	N/A	N/A		
East	EX	0	0	N/A	N/A		
West	EX	0	0	N/A	N/A		
South	EX	0	0	N/A	N/A		
Interior walls and partitions	EX	0	0	N/A	N/A		
Floor Construction Including supporting beams and joists	EX	1	1	N/A	N/A		
Floor Ceiling Assembly	EX	0	0	N/A	N/A		
Column Supporting Floors	EX	0	0	N/A	N/A		
Roof Construction, including supporting beams and joists	EX	0	0	N/A	N/A		
Roof/Ceiling Assembly	EX	0	0	N/A	N/A		
Column Supporting Roof	EX	0	0	N/A	N/A		
Shaft Enclosures - Exit	EX	N/A	NA	N/A	N/A		
Shaft Enclosures - Other	EX	1	1*	EX	EX		
Corridor Separation	EX	1	1*	EX	EX		
Occupancy/Fire Barrier Separation	N/A	N/A	N/A	N/A	N/A		
Party/Fire Wall Separation	N/A	N/A	N/A	N/A	N/A		
Smoke Barrier Separation	N/A	N/A	N/A	N/A	N/A		
Smoke Partition	N/A	N/A	N/A	N/A	N/A		
Tenant/Dwelling Unit/ Sleeping Unit Separation	N/A	N/A	N/A	N/A	N/A		
Incidental Use Separation	N/A	N/A	N/A	N/A	N/A		

* Existing condition to remain, no new penetrations

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET FROM PERPERTY LINES	DEGREES OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
	N/A		

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ■ Yes
Exit Signs: ☐ No ■ Yes
Fire Alarm: ☐ No ■ Yes
Smoke Detection Systems: ■ No ☐ Yes ☐ Partial _____
Carbon Monoxide Detection: ■ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: LS1.1, LS1.2

■ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on the site plan)
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☐ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.2)
■ Occupant loads for each area
■ Exit access travel distances (1017)
■ Common path of travel distances (1006.2.1 & 2006.3.2(1))
☐ Dead end lengths (1020.4)
■ Clear exit widths for each exit door
☐ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☐ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.
■ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
■ Location of doors equipped with hold-open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

Section/Table/Note	Title

ACCESSIBLE DWELLING UNITS
(SECTION [a]107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
			N/A				

ACCESSIBLE PARKING

(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF REGULAR[a] SPACES	ACCESSIBLE SPACES PROVIDED VAN SPACES WITH 2" ACCESS AISLE	ACCESSIBLE SPACES PROVIDED VAN SPACES WITH 8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
			N/A			
TOTAL						

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATERCLOSETS MALE	WATERCLOSETS FEMALE	WATERCLOSETS UNISEX	URINALS[a]	LAVATORIES MALE	LAVATORIES UNISEX	SHOWERS / TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE	EXIST'G				N/A					
	NEW									
	REQ'D									

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, SCO, DPI, DHHS, ICC, etc., describe below)
_____
_____

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the **North Carolina Energy Conservation Code** shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: ☐ No ☐ Yes (The remainder of this section is not applicable)
Exempt Building: ☐ No ☐ Yes (Provide Code or Statutory reference): _____
Climate Zone: ☐ 3A ☐ 4A ☐ 5A
Method of Compliance: Energy Code ☐ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here) _____

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
Total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing)
U-Value of assembly: _____
Solar heat gain coefficient: _____
Projection factor: _____
Door R-Values: _____

Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors over unconditioned space (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/Vertical requirement: _____
Slab Heated: _____

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (I_S) _____
Seismic (I_E) _____

Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor _____ psf

Ground Snow Load: _____

Wind Load: Ultimate _____ mph (ASCE-7)
Exposure _____

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV
Spectral Response Acceleration S_S _____ %g S_1 _____ %g
Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data
Basic structural system ☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
Analysis Procedure: ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: 18.7°F
summer dry bulb: 95.2°F

Interior design conditions
winter dry bulb: 70°F
summer dry bulb: 75°F
relative humidity: 50%

Building heating load: 1,623,100 BTU/HR

Building cooling load: 1,443,316 BTU/HR

Mechanical Spacing Conditioning System
Unitary
description of unit: N/A
heating efficiency: N/A
cooling efficiency: N/A
size category of unit: N/A
Boiler
Size category. If oversized, state reason.: EXISTING TO REMAIN
Chiller
Size category. If oversized, state reason.: EXISTING TO REMAIN

List equipment efficiencies: EXISTING TO REMAIN

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code: ☐ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage allowed (whole building or space by space)
total exterior wattage allowed

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
☐ C406.2 More Efficient Mechanical Equipment
☐ C406.3 Reduced Lighting Power Density
☐ C406.4 Enhanced Digital Lighting Controls
☐ C406.5 On-Site Renewable Energy
☐ C406.6 Dedicated Outdoor Air System
☐ C406.7 Reduced Energy Use in Service Water Heating

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02-15-23

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MEYER HALL RENOVATIONS
SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023
REVISIONS
DATE DESCRIPTION

CODE SUMMARY

LS1.0

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OCCUPANCY SCHEDULE - LEVEL ONE

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	AREA SF	AREA GROSS	AREA NET	OCCUPANCY LOAD TABULAR	OCCUPANCY LOAD ACTUAL	OCCUPANCY LOAD DESIGN
101A	MICRO COMPUTER LAB	B	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	668		•	14		14
102	CLASSROOM	B	EDUCATIONAL, CLASSROOM	20 SF	512		•	26		26
103	MICRO COMPUTER LAB	B	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	681		•	14		14
110A	CLASSROOM	B	EDUCATIONAL, CLASSROOM	20 SF	1016		•	51		51
112A	PHYSICS LAB	B	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	1372		•	28	33	33
113B	PROJECTION ROOM	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	176	•		1		1
113D	MECH ROOM	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	152	•		1		1
113E	STORAGE	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	83	•		1		1
115A	CLASSROOM	B	EDUCATIONAL, CLASSROOM	20 SF	1364		•	69		69
116A	CLASSROOM	B	EDUCATIONAL, CLASSROOM	20 SF	1380		•	70		70
M113	LECTURE ROOM	B	ASSEMBLY, FIXED SEATING	0 SF	1259			62	62	62
										342

LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

DESIGNATOR MATRIX

	WALL	BARRIER	PARTITION	RATED BEARING OR NON-BEARING WALL
1 HR FIRE				

NOTES:

1. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION.

2. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.

3. RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.

SYMBOLS

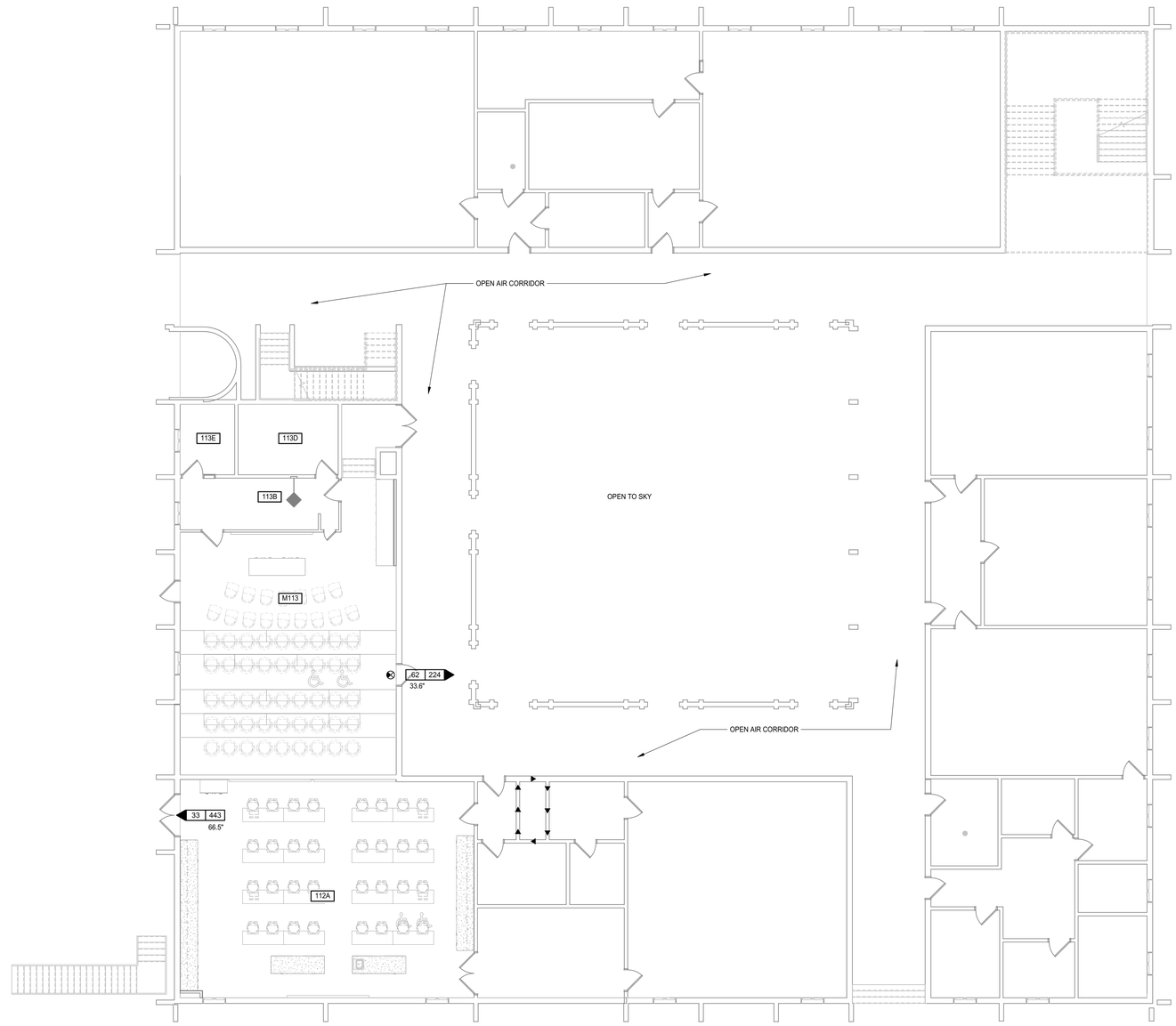
- 1205 — ROOM NUMBER
- INDICATES PANIC HARDWARE
- NUMBER OF OCCUPANTS
- 798 | 1280 — DIRECTION OF EGRESS
- EGRESS LOAD CAPACITY
- 33.6" — EGRESS WIDTH
- INDICATES PANIC DEVICE
- EGRESS LOAD CAPACITY
- DIRECTION OF EGRESS — 798 | 1280
- NUMBER OF OCCUPANTS — 33.6"
- EGRESS WIDTH
- XXX'-X" — MAXIMUM TRAVEL DISTANCE
- XXX'-X" CPOT — COMMON PATH OF TRAVEL
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER BRACKET

LIFE SAFETY GENERAL NOTES

A. THE OCCUPANCY AND USE OF THE BUILDING IS NOT CHANGED BY THE RENOVATIONS

B. THE EXISITING OCCUPANT LOAD OF EACH FLOOR DOES NOT CHANGE AS A RESULT OF THIS RENOVATION

C. NO DOORS IN THE THE LIMITS OF CONSTRUCTION HAVE PANIC DEVICES OR HOLD OPEN DEVICES



N

FIRST FLOOR LIFE SAFETY PLAN

1/8" = 1'-0"

0' 4' 8' 16' 32'

1/16" = 1'-0"

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02-13-23

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

LIFE SAFETY PLAN

LS1.1

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OCCUPANCY SCHEDULE - LEVEL TWO

SPACE NUMBER	SPACE NAME	USE CLASSIFICATION	USED TO DETERMINE OCCUPANCY FACTOR ONLY	FLOOR AREA PER OCCUPANT	AREA SF	AREA GROSS	AREA NET	OCCUPANCY LOAD TABULAR	OCCUPANCY LOAD ACTUAL	OCCUPANCY LOAD DESIGN
201A	CHEMISTRY LABORATORY	B	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	1032		•	21	26	26
205	CHEMISTRY STOCK ROOM	B	ACCESSORY STORAGE & MECHANICAL EQUIPMENT ROOM	300 SF	570	•		2		2
206A	CHEMISTRY LABORATORY	B	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	1382		•	28	33	33
212A	BIOLOGY CLASSROOM	B	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	1403		•	29	32	32
214	BIOLOGY CLASSROOM	B	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	902		•	19	31	31
216A	BIOLOGY CLASSROOM	B	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	954		•	20	25	25
220A	BIOLOGY CLASSROOM	B	EDUCATIONAL, SHOP & VOCATIONAL	50 SF	1380		•	28	31	31
										180

LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

DESIGNATOR MATRIX

	WALL	BARRIER	PARTITION	RATED BEARING OR NON-BEARING WALL
1 HR FIRE				

NOTES:

1. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION.
2. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.
3. RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.

SYMBOLS

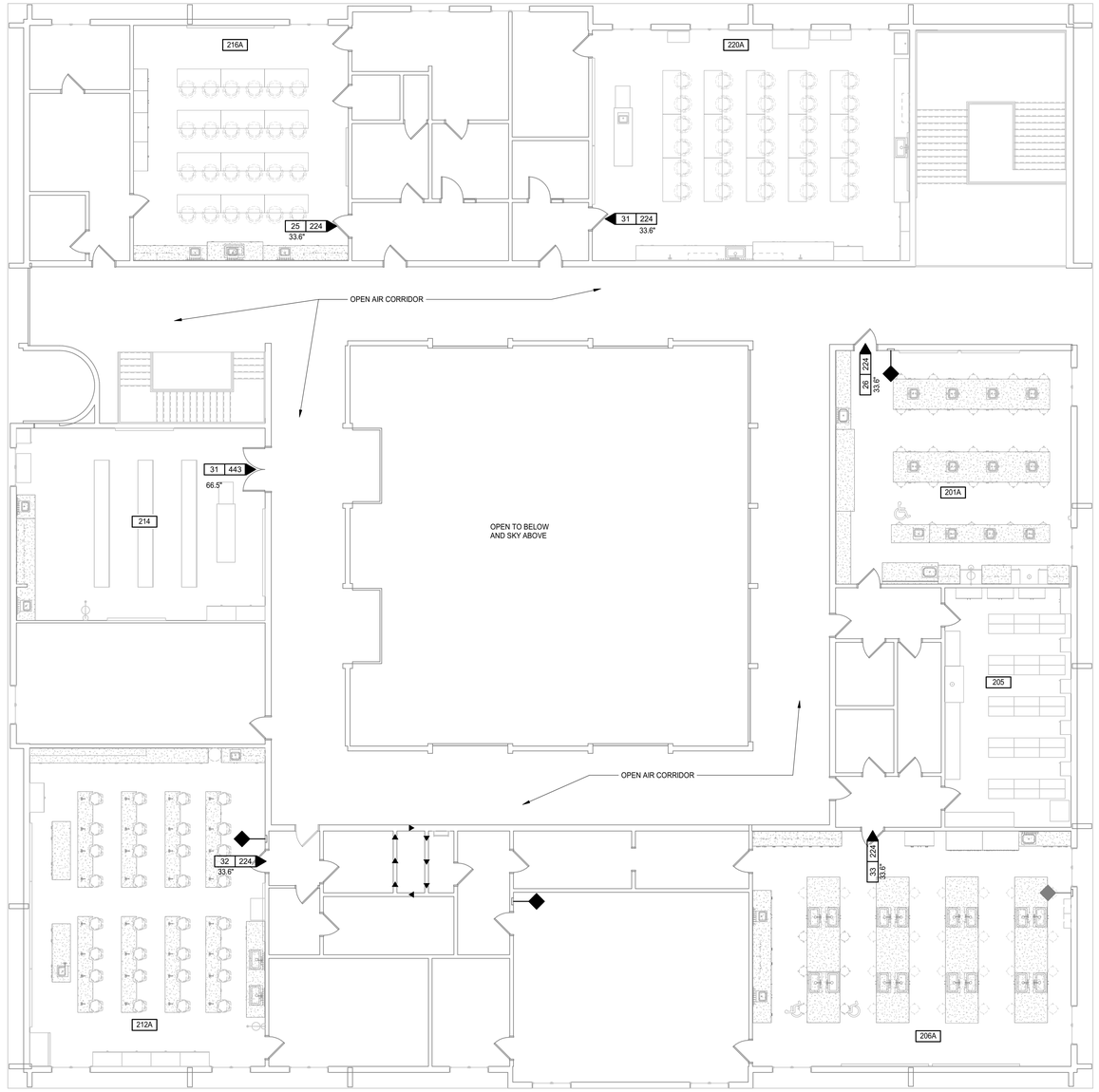
- 1205 — ROOM NUMBER
- 798 | 1280 (33.6") — INDICATES PANIC HARDWARE; NUMBER OF OCCUPANTS; DIRECTION OF EGRESS; EGRESS LOAD CAPACITY; EGRESS WIDTH
- INDICATES PANIC DEVICE; EGRESS LOAD CAPACITY; DIRECTION OF EGRESS; NUMBER OF OCCUPANTS; EGRESS WIDTH (798 | 1280, 33.6")
- XXX'-X" — MAXIMUM TRAVEL DISTANCE
- XXX'-X" CPOT — COMMON PATH OF TRAVEL
- FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER BRACKET

LIFE SAFETY GENERAL NOTES

A. THE OCCUPANCY AND USE OF THE BUILDING IS NOT CHANGED BY THE RENOVATIONS

B. THE EXISITING OCCUPANT LOAD OF EACH FLOOR DOES NOT CHANGE AS A RESULT OF THIS RENOVATION

C. NO DOORS IN THE THE LIMITS OF CONSTRUCTION HAVE PANIC DEVICES OR HOLD OPEN DEVICES



N

SECOND FLOOR LIFE SAFETY PLAN

1/8" = 1'-0"

0' 4' 8' 16' 32'

1/16" = 1'-0"

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

LIFE SAFETY PLAN

LS1.2

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[F] TABLE 307.1(1)
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD[a, b, c, d]

MATERIAL	CLASS	GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED	STORAGE[e]			USE-CLOSED SYSTEMS[f]			USE-OPEN SYSTEMS[f]	
			Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)[j]	Solid pounds (cubic feet)	Liquid gallons (pounds)	Gas (cubic feet at NTP)[j]	Solid pounds (cubic feet)	Liquid gallons (pounds)
Combustible dust	N/A	H-2	Note g	N/A	N/A	Note g	N/A	N/A	Note g	N/A
Combustible liquid[l, i]	II	H-2 or H-3	N/A	120[g, k]	N/A	N/A	120[g]	N/A	N/A	30[g]
	IIIA	H-2 or H-3		330[g, k]			330[g]			80[g]
	IIIB	N/A		13,200[g, i]			13,200[g]			3,300[g]
Combustible fiber	Loose	H-3	(100)	N/A	N/A	(100)	N/A	N/A	(20)	N/A
	Baled[m]		(1000)			(1000)			(200)	
Consumer fireworks	1.4G	H-3	125[g, k, j]	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cryogenics, flammable	N/A	H-2	N/A	45[g]	N/A	N/A	45[g]	N/A	N/A	10[g]
Cryogenics, inert	N/A	N/A	N/A	N/A	NL	N/A	N/A	NL	N/A	N/A
Cryogenics, oxidizing	N/A	H-3	N/A	45[g]	N/A	N/A	45[g]	N/A	N/A	10[g]
Explosives	Division 1.1	H-1	1[g, q]	(1)[g, q]	N/A	0.25[g]	(0.25)[g]	N/A	0.25[g]	(0.25)[g]
	Division 1.2	H-1	1[g, q]	(1)[g, q]	N/A	0.25[g]	(0.25)[g]	N/A	0.25[g]	(0.25)[g]
	Division 1.3	H-1 or H-2	5[g, q]	(5)[g, q]	N/A	1[g]	(1)[g]	N/A	1[g]	(1)[g]
	Division 1.4	H-3	50[g, q]	(50)[g, q]	N/A	50[g]	(50)[g]	N/A	N/A	N/A
	Division 1.4G	H-3	125[g, k, j]	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Division 1.5	H-1	1[g, q]	(1)[g, q]	N/A	0.25[g]	(0.25)[g]	N/A	0.25[g]	(0.25)[g]
	Division 1.6	H-1	1[g, q, r]	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flammable gas	Gaseous	H-2	N/A	N/A	1,000[g, n]	N/A	N/A	1,000[g, n]	N/A	N/A
	Liquefied			(150)[g, n]	N/A		(150)[g, n]	N/A		
Flammable liquid[l]	1A	H-2	N/A	30[g, k]	N/A	N/A	30[g]	N/A	N/A	10[g]
	1B and 1C	or H-3		120[g, k]			120[g]			30[g]
Flammable liquid, combination	N/A	H-2 or H-3	N/A	120[g, k, h]	N/A	N/A	120[g, h]	N/A	N/A	30[g, h]
(1A, 1B, 1C)										
Flammable solid	N/A	H-3	125[g, k]	N/A	N/A	125[g]	N/A	N/A	25[g]	N/A
Inert gas	Gaseous	N/A	N/A	N/A	NL	N/A	N/A	NL	N/A	N/A
	Liquefied	N/A	N/A	N/A	NL	N/A	N/A	NL	N/A	N/A
Organic peroxide	UD	H-1	1[g, q]	(1)[g, q]	N/A	0.25[g]	(0.25)[g]	N/A	0.25[g]	(0.25)[g]
	I	H-2	5[g, q, k]	(5)[g, q, k]	N/A	1[g]	(1)[g]	N/A	1[g]	(1)[g]
	II	H-3	50[g, q, k]	(50)[g, q, k]	N/A	50[g]	(50)[g]	N/A	10[g]	(10)[g]
	III	H-3	125[g, q, k]	(125)[g, q, k]	N/A	125[g]	(125)[g]	N/A	25[g]	(25)[g]
	IV	N/A	NL	NL	N/A	NL	NL	N/A	NL	NL
	V	N/A	NL	NL	N/A	NL	NL	N/A	NL	NL
Oxidizer	4	H-1	1[g, q]	(1)[g, q]	N/A	0.25[g]	(0.25)[g]	N/A	0.25[g]	(0.25)[g]
	3[k]	H-2 or H-3	10[g, k]	(10)[g, k]	N/A	2[g]	(2)[g]	N/A	2[g]	(2)[g]
	2	H-3	250[g, k]	(250)[g, k]	N/A	250[g]	(250)[g]	N/A	50[g]	(50)[g]
	1	N/A	4,000[g, r]	(4,000)[g, r]	N/A	4,000[g]	(4,000)[g]	N/A	1,000[g]	(1,000)[g]
Oxidizing gas	Gaseous	H-3	N/A	N/A	1,500[g, n]	N/A	N/A	1,500[g, n]	N/A	N/A
	Liquefied		N/A	(150)[g, n]	N/A	N/A	(150)[g, n]	N/A	N/A	N/A
Pyrophoric material	N/A	H-2	4[g, q]	(4)[g, q]	50[g, q]	1[g]	(1)[g]	10[g]	0	0
Unstable (reactive)	4	H-1	1[g, q]	(1)[g, q]	10[g]	0.25[g]	(0.25)[g]	2[g, q]	0.25[g]	(1)[g]
	3	H-1 or H-2	5[g, q, k]	(5)[g, q, k]	50[g, q, k]	1[g]	(1)[g]	10[g, q]	1[g]	(1)[g]
	2	H-3	50[g, q, k]	(50)[g, q, k]	250[g, q, k]	50[g]	(50)[g]	250[g, q]	10[g]	(10)[g]
	1	N/A	NL	NL	NL	NL	NL	NL	NL	NL
Water reactive	3	H-2	5[g, q, k]	(5)[g, q, k]	N/A	5[g]	(5)[g]	N/A	1[g]	(1)[g]
	2	H-3	50[g, q, k]	(50)[g, q, k]	N/A	50[g]	(50)[g]	N/A	10[g]	(10)[g]
	1	N/A	NL	NL	N/A	NL	NL	N/A	NL	NL

For SI: 1 cubic foot = 0.028 m³, 1 pound = 0.454 kg, 1 gallon = 3.785 L.
NL = Not Limited; N/A = Not Applicable; UD = Unclassified Detonable
a. For use of control areas, see Section 414.2.
b. The aggregate quantity in use and storage shall not exceed the quantity listed for storage.
c. The quantities of alcoholic beverages in retail and wholesale sales occupancies shall not be limited provided the liquids are packaged in individual containers not exceeding 1.3 gallons. In retail and wholesale sales occupancies, the quantities of medicines, foodstuffs, consumer or industrial products, and cosmetics containing not more than 50 percent by volume of water-miscible liquids and with the remainder of the solutions not being flammable, shall not be limited, provided that such materials are packaged in individual containers not exceeding 1.3 gallons.
d. Maximum allowable quantities shall be increased 100 percent in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. Where Note e also applies, the increase for both notes shall be applied accumulatively.
e. Maximum allowable quantities shall be increased 100 percent when stored in approved storage cabinets, day boxes, gas cabinets or exhausted enclosures or in listed safety cans in accordance with Section 5003.9.10 of the International Fire Code. Where Note d also applies, the increase for both notes shall be applied accumulatively.
f. The permitted quantities shall not be limited in a building equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
g. Permitted only in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
h. Containing not more than the maximum allowable quantity per control area of Class IA, IB or IC flammable liquids.
i. The maximum allowable quantity shall not apply to fuel oil storage complying with Section 603.3.2 of the International Fire Code.
j. Quantities in parenthesis indicate quantity units in parenthesis at the head of each column.
k. A maximum quantity of 200 pounds of solid or 20 gallons of liquid Class 3 oxidizers is allowed when such materials are necessary for maintenance purposes, operation or sanitation of equipment. Storage containers a the manner of storage shall be approved.
l. Net weight of the pyrotechnic composition of the fireworks. Where the net weight of the pyrotechnic composition of the fireworks is not known, 25 percent of the gross weight of the fireworks, including packaging, shall be used.
m. For gallons of liquids, divide the amount in pounds by 10 in accordance with Section 5003.1.2 of the International Fire Code.
n. For storage and display quantities in Group M and storage quantities in Group S occupancies complying with Section 414.2.5, see Tables 414.2.5(1) and 414.2.5(2).
o. Densely packed baled cotton that complies with the packing requirements of ISO 8115 shall not be included in this material class.
p. The following shall not be included in determining the maximum allowable quantities:
1. Liquid or gaseous fuel in fuel tanks on vehicles.
2. Liquid or gaseous fuel in fuel tanks on motorized equipment operated in accordance with this code.
3. Gaseous fuels in piping systems and fixed appliances regulated by the International Fuel Gas Code.
4. Liquid fuels in piping systems and fixed appliances regulated by the International Mechanical Code.
q. Where manufactured, generated or used in such a manner that the concentration and conditions create a fire or explosion hazard based on information prepared in accordance with Section 414.1.3.

[F] TABLE 307.1(2)
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIAL POSING A HEALTH HAZARD[a, b, c]

MATERIAL	STORAGE[d]			USE-CLOSED SYSTEMS[e]			USE-OPEN SYSTEMS[e]	
	Solid pounds (cubic feet)	Liquid gallons (pounds)[f, i]	Gas (cubic feet at NTP)[f]	Solid pounds[f]	Liquid gallons (pounds)[f]	Gas (cubic feet at NTP)[f]	Solid pounds[f]	Liquid gallons (pounds)[f]
Corrosive	5,000	500	Gaseous 810[f] Liquefied (150)[f]	5,000	500	Gaseous 810[f] Liquefied (150)[f]	1,000	100
Highly toxic	10	(10)[g]	Gaseous 20[f] Liquefied (4)[f, g]	10	(10)[f]	Gaseous 20[f] Liquefied (4)[f, g]	3	(3)[f]
Toxic	500	(500)[g]	Gaseous 810[f] Liquefied (150)[f, g]	500	(500)[f]	Gaseous 810[f] Liquefied (150)[f, g]	125	-125

For SI: 1 cubic foot = 0.028 m³, 1 pound = 0.454 kg, 1 gallon = 3.785 L.
a. For use of control areas, see Section 414.2.
b. In retail and wholesale sales occupancies, the quantities of medicines, foodstuffs, consumer or industrial products, and cosmetics, containing not more than 50 percent by volume of water-miscible liquids and with the remainder of the solutions not being flammable, shall not be limited, provided that such materials are packaged in individual containers not exceeding 1.3 gallons.
c. For storage and display quantities in Group M and storage quantities in Group S occupancies complying with Section 414.2.5, see Tables 414.2.5(1) and 414.2.5(2).
d. The aggregate quantity in use and storage shall not exceed the quantity listed for storage.
e. Maximum allowable quantities shall be increased 100 percent in buildings equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1. Where Note f also applies, the increase for both notes shall be applied accumulatively.
f. Maximum allowable quantities shall be increased 100 percent when stored in approved storage cabinets, gas cabinets or exhausted enclosures as specified in the International Fire Code. Where Note e also applies, the increase for both notes shall be applied accumulatively.
g. Allowed only when stored in approved exhausted gas cabinets or exhausted enclosures as specified in the International Fire Code.
h. Quantities in parenthesis indicate quantity units in parenthesis at the head of each column.
i. For gallons of liquids, divide the amount in pounds by 10 in accordance with Section 5003.1.2 of the International Fire Code.

Table 414.2.2			Increases per Table 307.7 notes d, e					
Permitted Control Areas [based on IBC Table 414.2.2]			**Corrosives (Liquid Gallons)**					
Floor Level	Percent of allowable exempt quantities per control area	Number of Control Areas	Allowed per Table 307.7	100% Increase for Automatic Sprinkler Protection (Table 307.7(1) note d)	Subtotal	100% Increase for Approved Storage Cabinets (Table 307.7(1) note e)	Total	**Allowed Per Control Area**
2	75	3	500	500	1000	1000	2000	**1500**
1	100	4	500	500	1000	1000	2000	**2000**

Permitted Control Areas [based on IBC Table 414.2.2]			**Flammable Liquids (Liquid Gallons)**					
Floor Level	Percent of allowable exempt quantities per control area	Number of Control Areas	Allowed per Table 307.7	100% Increase for Automatic Sprinkler Protection (Table 307.7(1) note d)	Subtotal	100% Increase for Approved Storage Cabinets (Table 307.7(1) note e)	Total	**Allowed Per Control Area**
2	75	3	120	120	240	240	480	**360**
1	100	4	120	120	240	240	480	**480**

Permitted Control Areas [based on IBC Table 414.2.2]			**Flammable Gases (Cubic Feet)**					
Floor Level	Percent of allowable exempt quantities per control area	Number of Control Areas	Allowed per Table 307.7	100% Increase for Automatic Sprinkler Protection (Table 307.7(1) note d)	Subtotal	100% Increase for Approved Storage Cabinets (Table 307.7(1) note e)	Total	**Allowed Per Control Area**
2	75	3	1000	1000	2000	2000	4000	**3000**
1	100	4	1000	1000	2000	2000	4000	**4000**

Permitted Control Areas [based on IBC Table 414.2.2]			**Flammable Solids (Pounds)**					
Floor Level	Percent of allowable exempt quantities per control area	Number of Control Areas	Allowed per Table 307.7	100% Increase for Automatic Sprinkler Protection (Table 307.7(1) note d)	Subtotal	100% Increase for Approved Storage Cabinets (Table 307.7(1) note e)	Total	**Allowed Per Control Area**
2	75	3	125	125	250	250	500	**375**
1	100	4	125	125	250	250	500	**500**

MAQ - Maximum Allowable Quanities (In use and in Storage)

Control Area	Room #	Room Name	Flammable Cabinet Size	Corrosives Cabinet Size	Gas Cylinder Restraint	Capacity (Gal/Cu.Ft.)	#Units	FLAMMABLE LIQUIDS: Capacity for Storage and In Use PROVIDED	FLAMMABLE LIQUIDS: MAQ Maximum Allowable Quanity	CORROSIVES LIQUIDS: Capacity for Storage and In Use PROVIDED	CORROSIVES LIQUIDS: MAQ Maximum Allowable Quanity	FLAMMABLE GASES: Capacity for Storage and In Use PROVIDED	FLAMMABLE GASES: MAQ Maximum Allowable Quanity	FLAMMABLE SOLIDS: Capacity for Storage and In Use PROVIDED	FLAMMABLE SOLIDS: MAQ Maximum Allowable Quanity
LEVEL 1 TOTALS - CONTROL AREA A								**0**	**480**	**0**	**2000**	**0**	**4000**	**0**	**500**
A	112A	Physics Lab	None	None	None	0	0	0		0		0		0	
								0		0		0		0	
								0		0		0		0	
								0		0		0		0	
LEVEL 2 TOTALS - CONTROL AREA B								**140**	**360**	**14**	**1000**	**0**	**2000**	**0**	**375**
A	201A	Chemistry Lab	18"x18"x35" (under FH)			5	1	5				0		0	
								0							
A	205	Chemistry Stock Room	43" x 18" x 44"			45	3	135				0		0	
								0							
				24"x18"x35" (under FH)		7	2			14		0		0	
A	206A	Chemistry Lab	24"x18"x35" (under FH)			7	2	14				0		0	
								0							
				24"x18"x35" (under FH)		7	1			7		0		0	
A	209A	Chemistry Lab	24"x18"x35" (under FH)			7	2	14				0		0	
								0							
				24"x18"x35" (under FH)		7	1			7		0		0	
A	212A	Biology Lab	n/a	n/a	n/a	0	0	0				0		0	
								0							
A	214	Biology Lab	n/a	n/a	n/a	0	0	0				0		0	
								0							
								0				0		0	
A	216A	Biology Lab	n/a	n/a	n/a	0	0	0				0		0	
								0							
								0				0		0	
A	220A	Biology Lab	n/a	n/a	n/a	0	0	0				0		0	
								0							
BUILDING TOTAL								**168**	**840**	**28**	**3000**	**0**	**6000**	**0**	**875**

Designed Chemical Storage and Used vs MAQ Comparison

MAQ - Maximum Allowable Quanities (In use and in Storage)

Control Area	CORROSIVE LIQUIDS (Gallons): Capacity for Storage and In Use PROVIDED	CORROSIVE LIQUIDS (Gallons): MAQ Maximum Allowable Quanity	FLAMMABLE LIQUIDS (Gallons): Capacity for Storage and In Use PROVIDED	FLAMMABLE LIQUIDS (Gallons): MAQ Maximum Allowable Quanity	FLAMMABLE GASES (Cubic Feet): Capacity for Storage and In Use PROVIDED	FLAMMABLE GASES (Cubic Feet): MAQ Maximum Allowable Quanity	FLAMMABLE SOLIDS (Pounds): MAQ Maximum Allowable Quanity	FLAMMABLE SOLIDS (Pounds): MAQ Maximum Allowable Quanity
LEVEL 1 - CONTROL AREA A	0	2000	0	480	0	4000	0	500
LEVEL 2 - CONTROL AREA A	28	1000	171	360	0	3000	0	375
BUILDING TOTAL	**28**	**3000**	**168**	**840**	**0**	**7,000**	**0**	**875**

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS

DATE	DESCRIPTION

CHEMICAL STORAGE ANALYSIS

LS1.3

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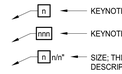
ARCHITECTURAL ABBREVIATIONS

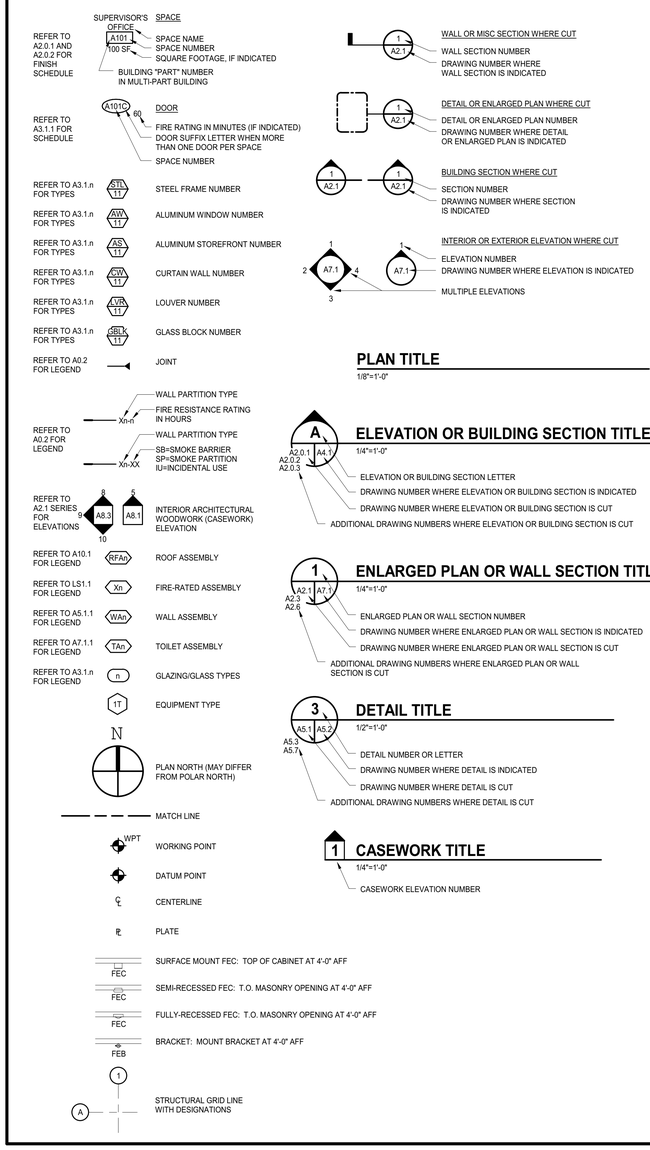
A-PT	ACCENT PAINT	GWT	GLAZED WALL TILE	SWM	SECURITY WOVEN MESH / WOVEN ROD
ABS	AIR BARRIER SYSTEM	GYP	GYPSUM	SYM	SYMMETRICAL
ABV	ABOVE	H	HIGH	T	TREAD
ACP	ACOUSTICAL CEILING PANEL	HB	HOSE BIBB	T&G	TONGUE & GROOVE
ACT	ACOUSTICAL CEILING TILE	HBD	HARDBOARD	T.O.	TOP OF
ACW	ALUMINUM CLAD WINDOW	HDC	HOLD DOWN CLIPS	TB	TACKBOARD
ADJ	ADJUSTABLE	HDNR	HARDENER	TCF	TEXTILE COMPOSITE FLOORING
AFF	ABOVE FINISHED FLOOR	HDWD	HARDWOOD	TEL	TELEPHONE
AHJ	AUTHORITY HAVING JURISDICTION	HDWR	HARDWARE	TERR-C	TERRAZZO CEMENTITIOUS
AHU	AIR HANDLING UNIT	HM	HOLLOW METAL	TERR-E	TERRAZZO EPOXY
ALT	ALTERNATE	HORIZ	HORIZONTAL	TERR-R	TERRAZZO RUBBERIZED
ALUM	ALUMINUM	HPC	HIGH PERFORMANCE COATINGS	THHD	THRESHOLD
AP	ACCESS PANEL	HPFP	HIGH PERFORMANCE FLOOR PAINT	THK	THICKNESS, THICK
APC	ARCHITECTURAL PRECAST CONCRETE	HT	HEIGHT	TOS	TOP OF STEEL
ARC	ABUSE RESISTANT COATING	HVAC	HEATING, VENTILATING, AIR CONDITIONING	TOW	TOP OF WALL
AS	ALUMINUM STOREFRONT	ID	INSIDE DIAMETER	TS	TACK STRIP
AUTO	AUTOMATIC	IN	INCH, INCHES	TV	TELEVISION
AVG	AVERAGE	INCL	INCLUDE, INCLUDING	TYP	TYPICAL
AW	ALUMINUM WINDOW	INFO	INFORMATION	UC	UNDERCUT
AWC	ACOUSTICAL WALL COVERING	INST	INSTALLATION	UG	UNDERGROUND
AWP	ACOUSTICAL WALL PANEL	INSUL	INSULATION	UH	UNIT HEATER
BD	BOARD	INT	INTERIOR	UNO	UNLESS NOTED (INDICATED) OTHERWISE
BF	BARRIER FREE (ADA or A117.1)	IRWC	IMPACT RESISTANT WALL COVERING	VAT	VINYL ASBESTOS TILE
BLDG	BUILDING	IWB	INTERACTIVE WHITE BOARD	VB	VAPOR BARRIER
BLKG	BLOCKING	JAN	JANITOR	VCT	VINYL COMPOSITION TILE
BOT	BOTTOM	JCT	JUNCTION	VDB	VISUAL DISPLAY BOARD
BRG	BEARING	JT	JOINT	VERT	VERTICAL
BTWN	BETWEEN	L	LENGTH/LONG	VEST	VESTIBULE
BUR	BUILT-UP ROOF	LAB	LABORATORY	VFCT	VINYL FREE COMPOSITION TILE
C	CARPET	LAHJ	LOCAL AUTHORITY HAVING JURISDICTION	VFWC	VINYL FREE WALLCOVERING
C-TILE	CARPET TILE	LAM	LAMINATE	VR	VAPOR RETARDER
CAB	CABINET	LAV	LAVATORY	VT	VINYL TILE
CB	CHALKBOARD	LH	LEFT HAND	VTR	VENT THROUGH ROOF
CCTV	CLOSED CIRCUIT TELEVISION	LIN	LINOLEUM	VWC	VINYL WALL COVERING
CEM	CEMENT	LKR	LOCKER	W	WIDE, WIDTH
CFSF-NS	COLD FORMED STEEL FRAMING, NON-STRUCTURAL	LMC	LINEAR METAL CEILING	W/	WITH
CFSF-S	COLD FORMED STEEL FRAMING, STRUCTURAL	LPS	LAMINATE PANEL SYSTEM	W/O	WITHOUT
CG	CORNER GUARD	LT	LIGHT	WC	WATER CLOSET
CI	CONTINUOUS INSULATION	LVR	LOUVER	WCP	WOOD CEILING PANEL
CIPC	CAST IN PLACE CONCRETE	M	METER	WD	WOOD
CJ	CONTROL JOINT	MACH	MACHINE	WDW	WINDOW
CL	CLOSET	MAS	MASONRY	WP	WATERPROOFING
CLG	CEILING	MATL	MATERIAL	WPT	WORKING POINT
CLR	CLEAR	MAX	MAXIMUM	WSCT	WAINSCOT
CM	CENTIMETER	MB	MARKERBOARD	WSF	WOOD SPORTS FLOORING
CMBD	CEMENT BOARD	MCM	METAL COMPOSITE MATERIAL	WT	WEIGHT
CMU	CONCRETE MASONRY UNIT	MCP	METAL CEILING PANEL	WWF	WELDED WIRE FABRIC
CMU-A	CONCRETE MASONRY UNIT - ACOUSTICAL	MDO	MEDIUM DENSITY OVERLAY	XPS	EXTRUDED POLYSTYRENE
CMU-GF	CONCRETE MASONRY UNIT - GROUND FACE	MECH	MECHANICAL		
CMU-GLZ	CONCRETE MASONRY UNIT - GLAZED	MED	MEDIUM		
CMU-SPLF	CONCRETE MASONRY UNIT - SPLIT FACE	MEMB	MEMBRANE		
CO	CLEANOUT	MFR	MANUFACTURER		
COL	COLUMN	MIF	MULTICOLOR INTERIOR FINISHING		
CONC	CONCRETE	MIN	MINIMUM		
CONC-LH	CONCRETE WITH LIQUID HARDENER/SEALER	MIR	MIRROR		
CONC-PMT	CONCRETE WITH PIGMENT	MISC	MISCELLANEOUS		
CONC-POL	CONCRETE - POLISHED	MLDG	MOLDING		
CONC-SLR	CONCRETE WITH CURE & SEAL	MO	MASONRY OPENING		
CONC-ST	CONCRETE WITH STAIN	MPS	MANUAL PROJECTION SCREEN		
CONST	CONSTRUCTION	MR	MAP RAIL		
CONT	CONTINUOUS	MT	MOUNT		
CONTR	CONTRACTOR	MTD	MOUNTED		
CORR	CORRIDOR	MTL	METAL		
CSMU	CAST STONE MASONRY UNIT	NA	NOT APPLICABLE		
CT	CERAMIC TILE	NIC	NOT IN CONTRACT		
CTSK	COUNTERSINK, COUNTERSUNK	NO.	NUMBER		
CU FT	CUBIC FEET / FOOT	NOM	NOMINAL		
CUST	CUSTODIAN / CUSTODIAL	NRC	NOISE REDUCTION COEFFICIENT		
CW	ALUMINUM CURTAIN WALL	NTS	NOT TO SCALE		
CWFD	CEMENTITIOUS WOOD FIBER DECK	OC	ON CENTER		
D	DEPTH/DEEP	OD	OUTSIDE DIAMETER		
DBL	DOUBLE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		
DEMO	DEMOLITION	OPNG	OPENING		
DETE	DETENTION	OPP HD	OPPOSITE HAND		
DF	DRINKING FOUNTAIN	OVHD	OVERHEAD		
DG	DOOR GRILLE	P-TILE	PORCELAIN TILE		
DHM	DETENTION HOLLOW METAL	PC	PRECAST		
DIA	DIAMETER	PERF	PERFORATED, PERFORATION(S)		
DIAG	DIAGONAL	PERIM	PERIMETER		
DIM	DIMENSION	PIP	POURED IN PLACE		
DIV	DIVISION	PLAM	PLASTIC LAMINATE		
DL	DOOR LOUVER	PLAS	PLASTER		
DN	DOWN	PLWD	PLASTIC LAMINATE WOOD		
DP	DAMPPROOFING	PLYWD	PLYWOOD		
DR	DISPLAY RAIL	PNL	PANEL, PANELING		
DS	DOWNSPOUT	POLY	POLYETHYLENE		
DTL	DETAIL	PPS	POWER PROJECTION SCREEN		
DWG	DRAWING	PPT	PRESSURE- OR PRESERVATIVE-TREATED		
DWR	DRAWER	PR	PAIR		
EA	EACH	PREFAB	PREFABRICATED		
EF	EXHAUST FAN	PREFIN	PREFINISHED		
EFS	EXTERIOR FINISH SYSTEM	PREP	PREPARE / PREPARATION		
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	PS	PROJECTION SCREEN		
EJ	EXPANSION JOINT	PSB	PENCIL SHARPENER BLOCK		
EL	ELEVATION	PSF	POUNDS PER SQUARE FOOT		
ELAS	ELASTOMERIC	PSI	POUNDS PER SQUARE INCH		
ELEC	ELECTRICAL	PT	PAINT		
ELEV	ELEVATOR	PTN	PARTITION		
EMER	EMERGENCY	PTS	PNEUMATIC TUBE SYSTEM		
EPS	EXPANDED POLYSTYRENE	PVC	POLYVINYL CHLORIDE		
EPX	EPOXY	PVMT	PAVEMENT		
EQ	EQUAL	PVWC	PERFORATED VINYL WALL COVERING		
EQUIP	EQUIPMENT	QSM	QUARTZ SURFACING MATERIAL		
ETR	EXISTING TO REMAIN	QT	QUARRY TILE		
EWC	ELECTRIC WATER COOLER	QTY	QUANTITY		
EX	EXISTING	R	RISER, RADIUS		
EXH	EXHAUST	R/W	RIGHT OF WAY		
EXP	EXPANSION	RAD	RADIUS		
EXPC	EXPOSED CONSTRUCTION	RAF	RESILIENT ATHLETIC FLOORING		
EXT	EXTERIOR	RB	RESILIENT BASE		
FAAF	FLUID APPLIED ATHLETIC FLOORING	RCP	REFLECTED CEILING PLAN		
FD	FLOOR DRAIN	RD	ROOF DRAIN		
FDN	FOUNDATION	REFG	REFRIGERATOR		
FE	FIRE EXTINGUISHER	REINF	REINFORCING, REINFORCE(D)		
FEB	FIRE EXTINGUISHER BRACKET	REM	RECESSED ENTRY MAT		
FEC	FIRE EXTINGUISHER CABINET	REQ'D	REQUIRED		
FF	FINISHED FLOOR	RES	RESINOUS FLOORING		
FGL	FIBERGLASS	RFT	RUBBER FLOOR TILE		
FH	FIRE HYDRANT	RH	RIGHT HAND		
FHC	FIRE HOSE CABINET	RL	RAIN LEADER		
FHVC	FIRE HOSE VALVE CABINET	RM	ROOM		
FIN	FINISHED	RO	ROUGH OPENING		
FLR	FLOOR	RSF	RUBBER SHEET FLOORING		
FLRG	FLOORING	RSR	RESILIENT STAIR RISER		
FO	FACE OF	RST	RESILIENT STAIR TREAD		
FRM	FRAME	RT	RIGHT		
FRP	FIBERGLASS REINFORCED PLASTIC	RTU	ROOFTOP UNIT		
FRT	FIRE RETARDANT TREATED	SAB	SOUND ATTENUATION BLANKET		
FT	FOOT, FEET	SC-PLK	SECURITY CEILING PLANK		
FTG	FOOTING	SC-PNL	SECURITY CEILING PANEL		
FURN	FURNITURE	SCH	SCHEDULE		
FVC	FIRE VALVE CABINET	SF	SQUARE FEET / FOOT		
FWC	FABRIC WALL COVERING	SFRM	SPRAYED FIRE RESISTANT MATERIAL		
GA	GAUGE	SHM	SECURITY HOLLOW METAL		
GAL	GALLON	SHTG	SHEATHING		
GALV	GALVANIZED	SIM	SIMILAR		
GB	GYPSUM BOARD	SPEC	SPECIFICATION		
GB-AR	GYPSUM BOARD - ABUSE RESISTANT	SPF	SPRAYED POLYURETHANE FOAM		
GB-IR	GYPSUM BOARD - IMPACT RESISTANT	SPR	SPRINKLER		
GB-S	GYPSUM BOARD - SECURITY	SQ	SQUARE		
GFRC	GLASS FIBER REINFORCED CONCRETE	SQ FT	SQUARE FEET / FOOT		
GFRG	GLASS FIBER REINFORCED GYPSUM	SRD	SECONDARY ROOF DRAIN		
GL	GLASS, GLAZING	SS	STAINLESS STEEL		
GL-BLK	GLASS BLOCK	SSM	SOLID SURFACE MATERIAL		
GPM	GALLONS PER MINUTE	ST	STREET		
GRT	GROUT	STC	SOUND TRANSMISSION COEFFICIENT		
GSFT	GLAZED STRUCTURAL FACING TILE	STD	STANDARD		
GT	GLASS TILE	STL	STEEL		
		STRUCT	STRUCTURAL		
		SUSP	SUSPENDED		
		SV	SHEET VINYL		

KEYNOTES



1. KEYNOTES ARE GENERALLY ASSOCIATED WITH A SERIES OF DRAWINGS (e.g., A3.2.n, A5.1.n); THEREFORE KEYNOTE NUMBERS FROM SERIES TO SERIES WILL VARY (i.e., KEYNOTE NO. 1 IN THE A3.2.n SERIES WILL BE DIFFERENT FROM KEYNOTE NO. 1 IN THE A5.1.n SERIES).

ARCHITECTURAL GRAPHIC SYMBOL LEGEND



ARCHITECTURAL GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. ELEMENTS THAT ARE IDENTIFIED BY OTHER DISCIPLINES (e.g., CIVIL, STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL, ELECTRICAL) ELSEWHERE WITHIN THE ARCHITECTURAL SERIES OF DRAWINGS AND/OR SPECIFICATIONS, OR IDENTIFIED OR COVERED BY DEFAULTS (e.g., SIZES, THICKNESS, SPACING, MATERIALS) IN THE SPECIFICATIONS MAY NOT BE ANNOTATED (NOTE OR KEYNOTED) ON THESE DRAWINGS.

C. ELEMENTS IDENTIFIED IN "LEGENDS" AND/OR "GENERAL NOTES" MAY NOT BE NOTED IN DETAILS, OR SECTIONS, AS THESE ELEMENTS ARE IDENTIFIED IN THE LEGENDS (e.g. FACE BRICK, CMU, WINDOWS)

D. REFER TO "ASSEMBLIES" FOR MATERIALS AND COMPONENTS THAT MAKE UP THAT PARTICULAR ASSEMBLY (e.g., EXTERIOR WALL ASSEMBLIES, ROOF ASSEMBLIES, AND FIRE-RATED ASSEMBLIES). ONCE A PARTICULAR ASSEMBLY HAS BEEN IDENTIFIED ON ONE DRAWING, THAT SAME ASSEMBLY GRAPHIC SHALL APPLY TO ALL OTHER SIMILAR LOCATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE. PROVIDE THAT SAME ASSEMBLY AT THE SIMILAR LOCATION WHETHER THE ASSEMBLY GRAPHIC SYMBOL IS SHOWN OR NOT.

E. VERIFY ALL DIMENSIONS, INCLUDING DIMENSIONS ON STRUCTURAL DRAWINGS AND OTHER ARCHITECTURAL DRAWINGS. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

F. PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL EQUIPMENT INDICATED TO BE MOUNTED OR OTHERWISE REQUIRED TO BE MOUNTED TO THE FLOOR. WHERE PADS ARE NOT SHOWN, PROVIDE 6" THICK CONCRETE PADS W/ 3/4" CHAMFERED EDGES (ALL SIDES). REINFORCE WITH MESH EQUIVALENT TO FLOOR SLAB REINFORCING REQUIREMENTS.

ARCHITECTURAL MATERIALS LEGEND

- EARTH
- POROUS FILL
- CONCRETE
- FACE BRICK
- SPLIT-FACE BLOCK
- CONCRETE MASONRY UNIT
- GROUTED SOLID CONCRETE MASONRY UNIT

NOTE: PROVIDE 100% SOLID, PLANT-CAST UNITS WHERE CORE HOLES WOULD BE VISIBLE WITHIN FINISH SPACE (E.G., WINDOW SILLS)

- ARCHITECTURAL PRECAST CONCRETE
- CAST STONE MASONRY
- RIGID INSULATION
- BATT INSULATION
- SPRAYED POLYURETHANE FOAM
- WOOD SHIM
- WOOD BLOCKING - CONTINUOUS
- FINISHED WOOD
- PLYWOOD
- GYPSUM BOARD / SHEATHING
- STONE

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

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DATE	DESCRIPTION

GENERAL ARCHITECTURAL INFORMATION

A0.1

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ABATEMENT PLAN LEGEND

APPLIES TO DRAWINGS A1.0.1

EXTENTS OF FLOORING TO BE ABATED AND REMOVED. REFER TO DEMOLITION PLAN AND FINISH SCHEDULE. WHERE INDICATED; REMOVE ALL FLOOR TILE AND MASTIC MATERIALS AND PREPARE CONCRETE TO RECEIVE NEW FLOOR FINISH

ABATE AND REMOVE FUME HOOD ENCLOSURE AND HAZARDOUS STORAGE CABINETS.

HAZARDOUS REMOVAL GENERAL NOTES

A. REMOVE EXISTING CONSTRUCTION AS INDICATED ON THE DEMOLITION PLANS. DEMOLITION SHALL BE TO THE LEAST EXTENT POSSIBLE IN ORDER TO COMPLETE THE WORK. DO NOT PERFORM DEMOLITION BEYOND THE SCOPE OF CONSTRUCTION.

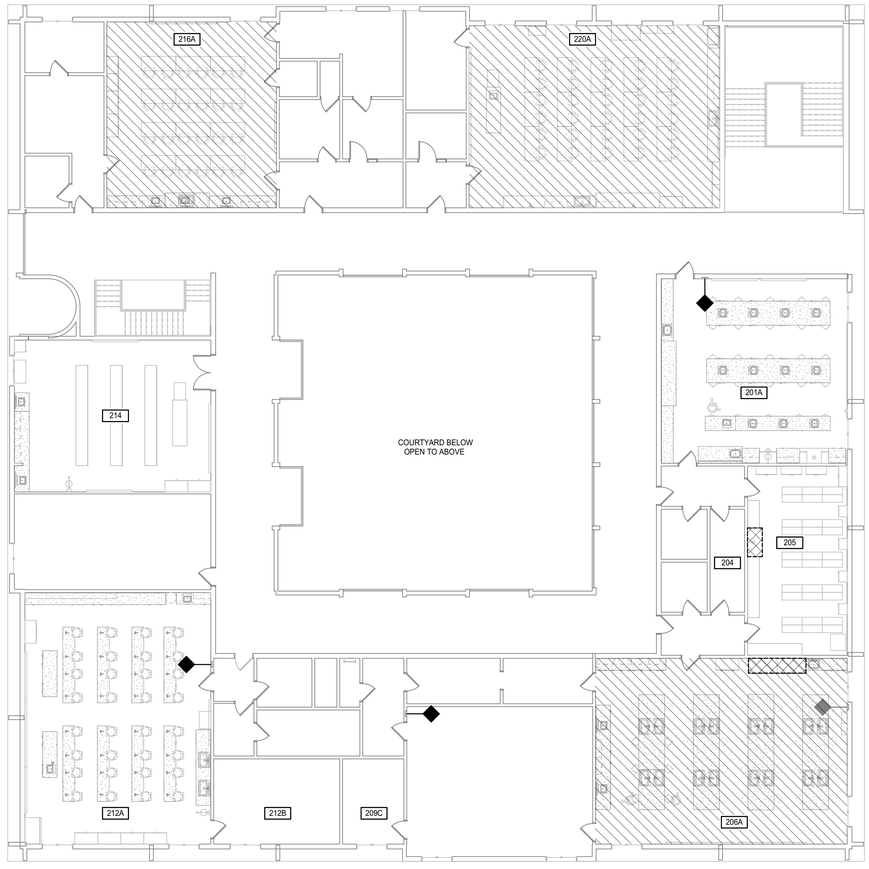
B. DETAILS OF EXISTING CONDITIONS: ACTUAL FIELD CONDITIONS WHICH ARE CONCEALED BY EXISTING CONSTRUCTION MAY VARY FROM THOSE INDICATED. ALL WORK THAT RELATES TO, OR IS IN ANY WAY AFFECTED BY EXISTING CONDITIONS WHICH VARY FROM THOSE INDICATED SHALL BE MODIFIED TO ACHIEVE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ACCORDING TO FIELD ASSESSMENTS AND MEASUREMENTS. REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH AFFECTED ASPECTS OF DEMOLITION OR CONSTRUCTION.

C. DAMAGE OCCURRING DURING SCOPE OF WORK IS TO BE PATCHED, REPAIRED AND FINISHED TO MATCH ADJACENT SIMILAR CONDITIONS.

D. PATCH AND REPAIR ANY DAMAGE DUE TO DEMOTION TO MAINTAIN EVEN SURFACE.

E. SCOPE OF ABATEMENT ACTIVITIES SHALL BE LIMITED TO THE LIMITS OF CONSTRUCTION.

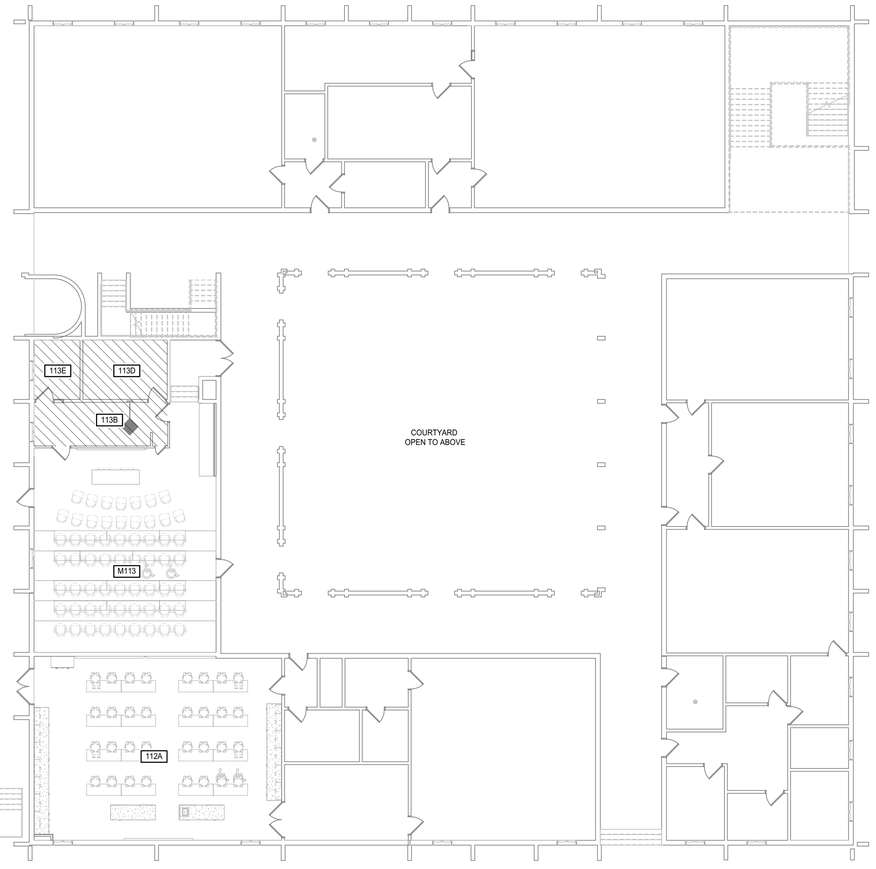
F. REFER TO ABATEMENT SPECIFICATION 028000 HAZARDOUS MATERIALS REMEDIATION FOR ADDITIONAL INFORMATION.



N

SECOND FLOOR HAZARDOUS REMOVAL PLAN

3/32" = 1'-0"



N

FIRST FLOOR HAZARDOUS REMOVAL PLAN

3/32" = 1'-0"

0" 2' 5' 10' 20'

3/32" = 1'-0"

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MEYER HALL RENOVATIONS

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ASBESTOS HAZARD ABATEMENT PLANS

A1.0.1

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GENERAL PHASING NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. MAINTAIN EGRESS PATHWAYS FROM PORTIONS OF THE BUILDING WHICH ARE UNDER RENOVATION, CONSTRUCT TEMPORARY WALLS TO MAINTAIN SEPARATION FROM OCCUIPED SPACES, AS NECESSARY.

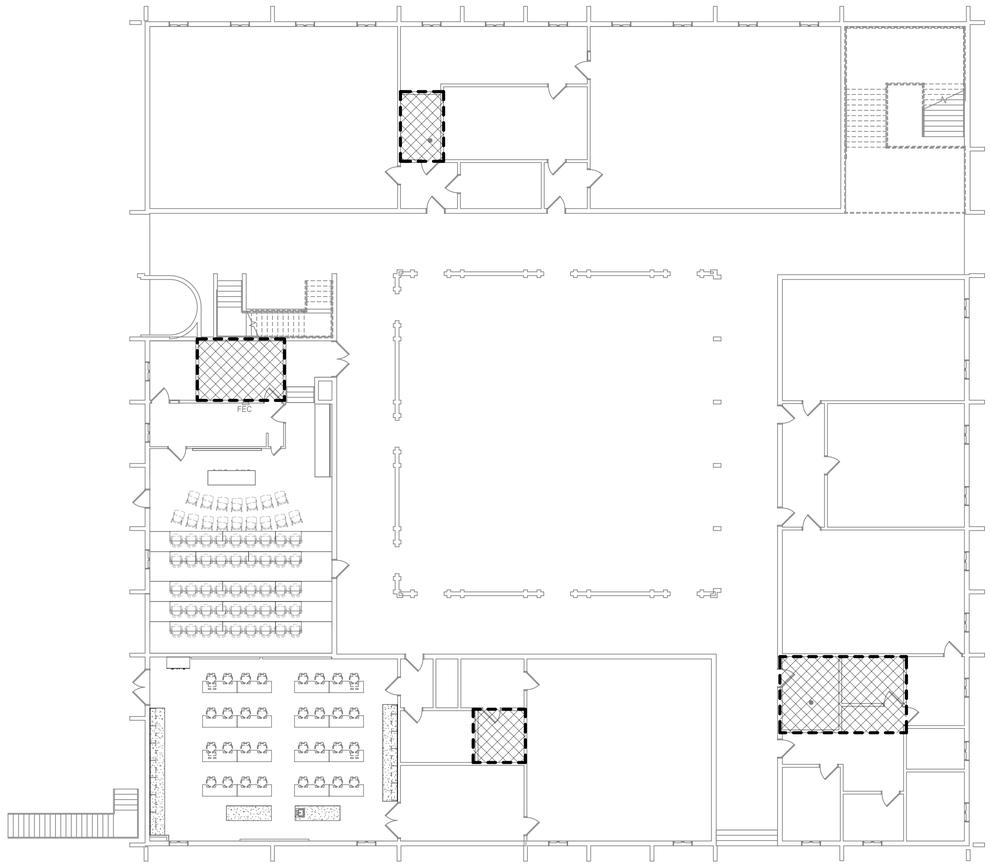
C. PHASING SHOWN PROVIDES GENERAL INDICATIONS OF THE AREAS OF WORK. WORK MAY BE REQUIRED OUTSIDE OF INDICATED AREAS TO PROVIDE REQUIRED SERVICES IN THE INDICATED AREAS. REFER TO DRAWINGS OF ALL TRADES TO DETERMINE WORK BEYOND PHASE INDICATIONS.

D. PROVIDE DUST PROOF PARTITIONS TO UNDERSIDE OF ROOF DECK OR FLOOR ABOVE TO SEPARATE CONSTRUCITON FROM BUILDING IN USE.

PHASING LEGEND

PHASE ONE

PHASE TWO



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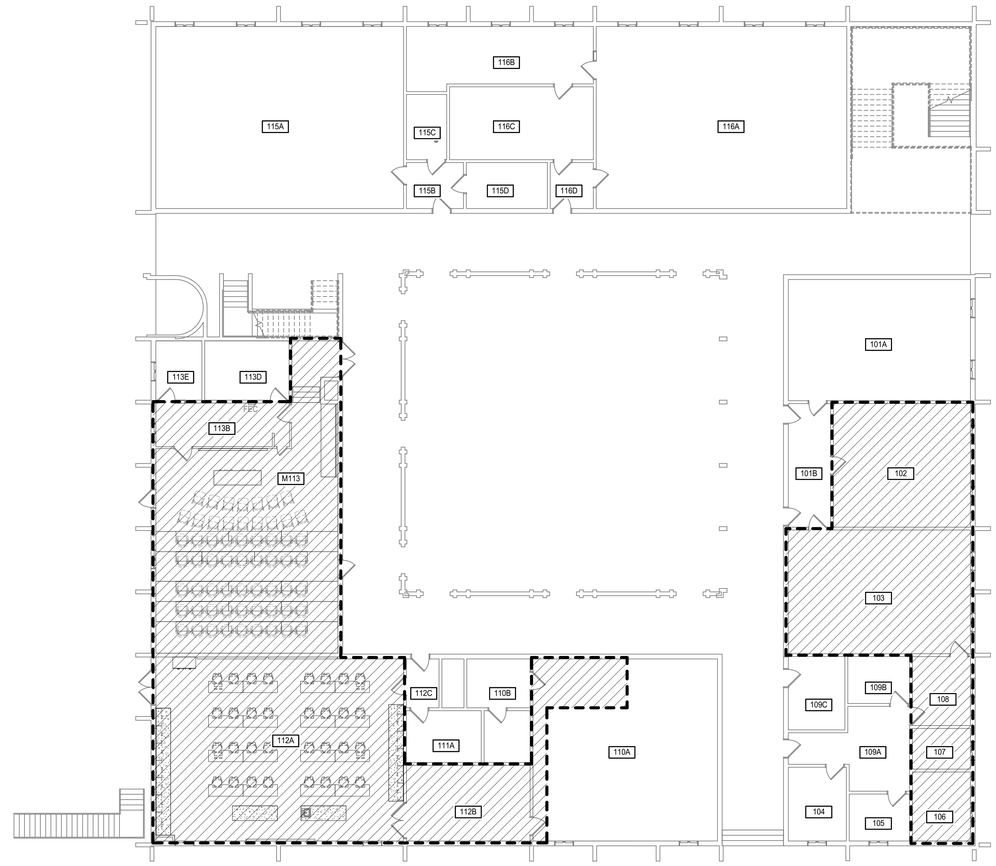
FIRST FLOOR PLAN - PHASE 2
3/32" = 1'-0"



N

FIRST FLOOR PLAN - PHASE 1
3/32" = 1'-0"

0" 2' 5' 10' 20'
3/32" = 1'-0"

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FIRST FLOOR PHASING PLAN

A1.1.1

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GENERAL PHASING NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. MAINTAIN EGRESS PATHWAYS FROM PORTIONS OF THE BUILDING WHICH ARE UNDER RENOVATION, CONSTRUCT TEMPORARY WALLS TO MAINTAIN SEPARATION FROM OCCUPIED SPACES, AS NECESSARY.

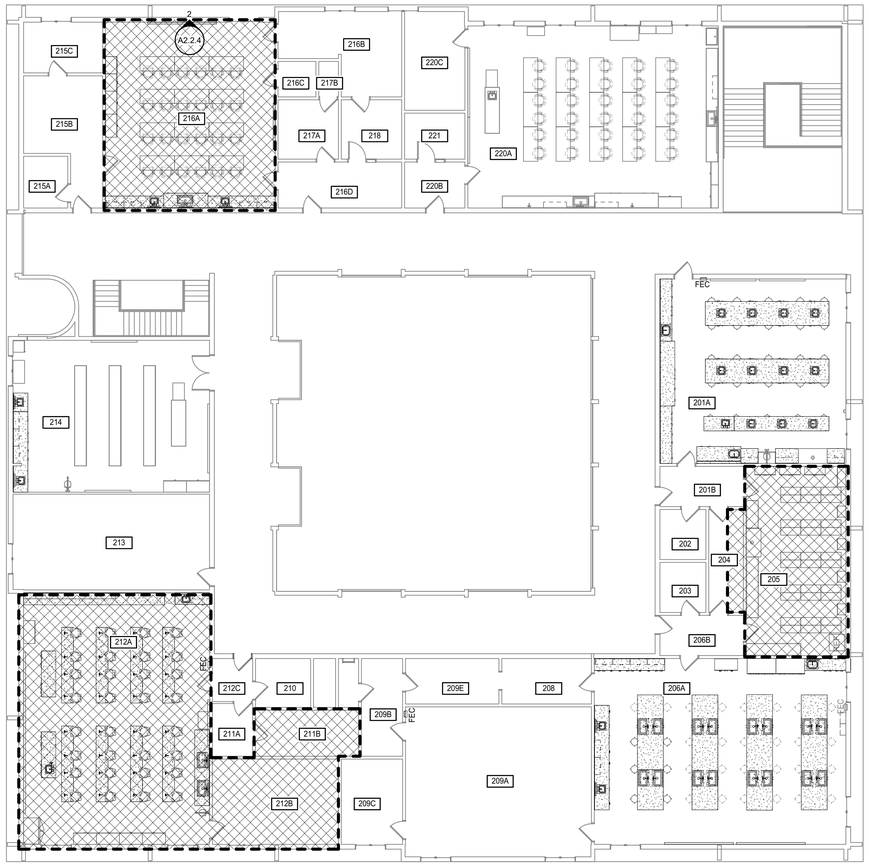
C. PHASING SHOWN PROVIDES GENERAL INDICATIONS OF THE AREAS OF WORK. WORK MAY BE REQUIRED OUTSIDE OF INDICATED AREAS TO PROVIDE REQUIRED SERVICES IN THE INDICATED AREAS. REFER TO DRAWINGS OF ALL TRADES TO DETERMINE WORK BEYOND PHASE INDICATIONS.

D. PROVIDE DUST PROOF PARTITIONS TO UNDERSIDE OF ROOF DECK OR FLOOR ABOVE TO SEPARATE CONSTRUCITON FROM BUILDING IN USE.

PHASING LEGEND

PHASE ONE

PHASE TWO



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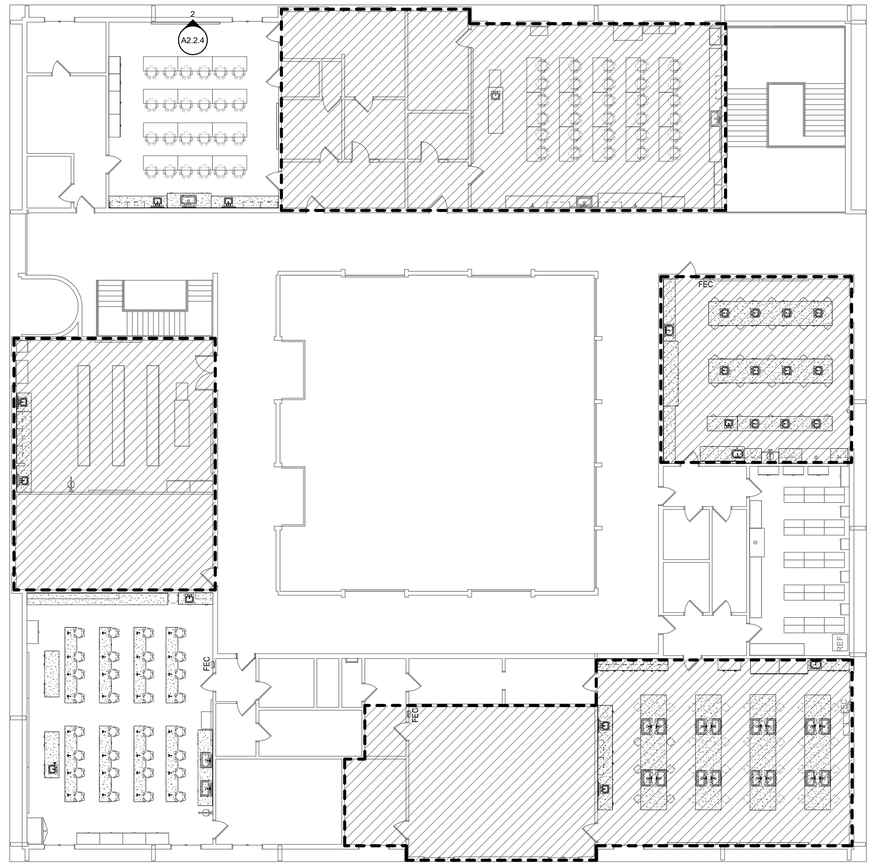
SECOND FLOOR PLAN - PHASE 2

3/32" = 1'-0"



N

SECOND FLOOR PLAN - PHASE 1

3/32" = 1'-0"

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SECOND FLOOR PHASING PLAN

A1.1.2

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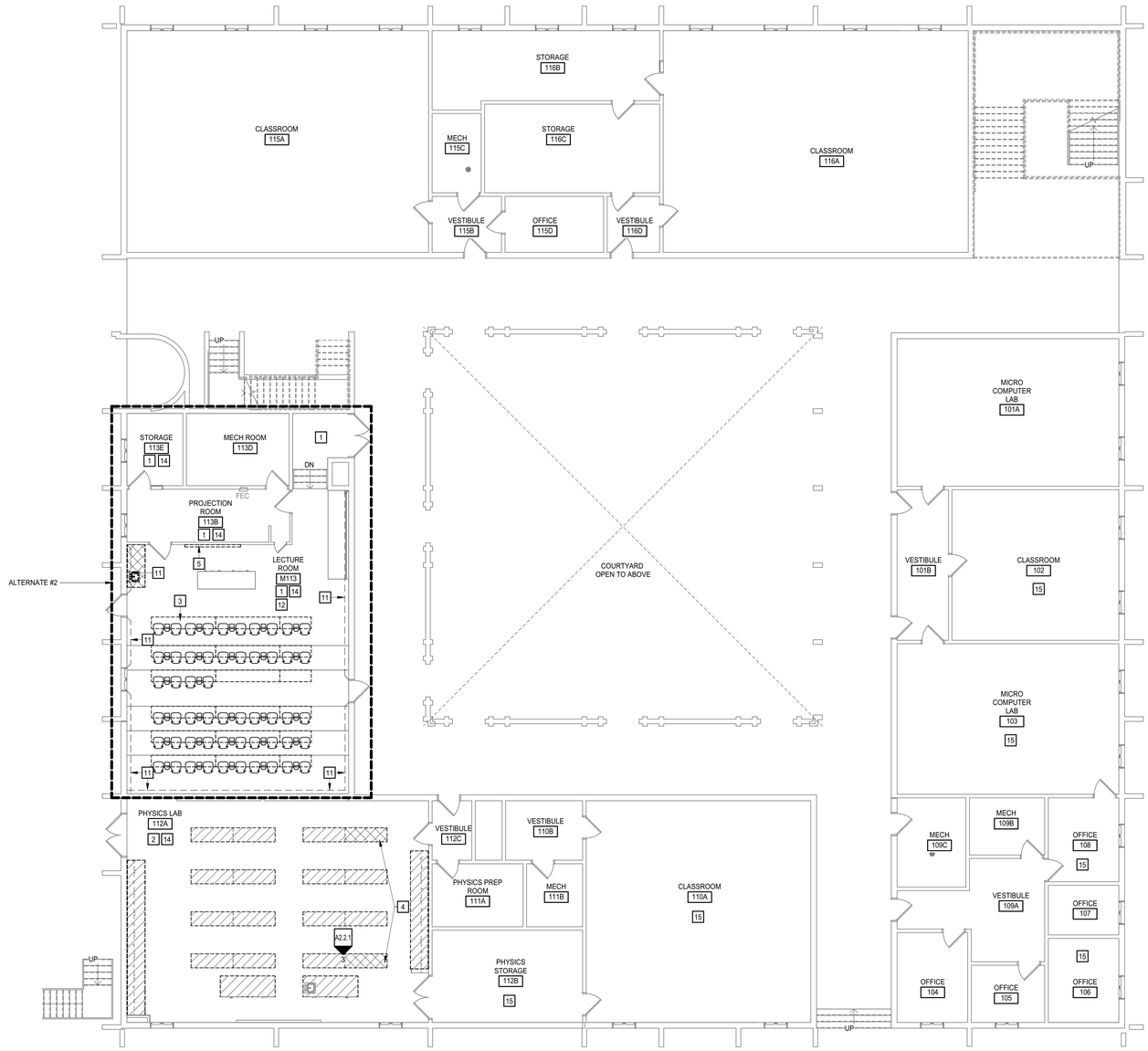

N

DEMOLITION FIRST FLOOR PLAN

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

DEMOLITION PLAN LEGEND

APPLIES TO DRAWINGS A1.1.1 - A1.1.2

EXISTING PARTITION/ WALL/ ITEM TO REMAIN

HATCH INDICATES REMOVAL OF EPOXY COUNTERTOP AND FIXTURES. CASEWORK TO REMAIN. SALVAGE AND REUSE EXISTING COUNTERTOP MOUNTED ELECTRICAL RECEPTACLES. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS.

HATCH INDICATES REMOVAL OF CASEWORK, EPOXY COUNTERTOP AND FIXTURES. SALVAGE AND REUSE EXISTING COUNTERTOP MOUNTED ELECTRICAL RECEPTACLES. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS.

DEMOLITION PLAN GENERAL NOTES

A. ALL DEMOLITION WORK INDICATED IN THESE DRAWINGS INVOLVE THE REMOVAL OF EXISTING CONSTRUCTION UNDER THIS CONTRACT AND SHALL BE COORDINATED WITH CORRESPONDING PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS

B. REMOVE EXISTING CONSTRUCTION AS INDICATED. DEMOLITION SHALL BE TO THE LEAST EXTEND POSSIBLE IN ORDER TO COMPLETE THE WORK. DO NOT PERFORM DEMOLITION BEYOND THE SCOPE OF CONSTRUCTION. FLOOR SLABS UNDER FLOORING TO BE REMOVED SHALL BE CLEAN OF ADHESIVES AND CHEMICAL RESIDUE.

C. DETAILS OF EXISTING CONDITIONS: ACTUAL FIELD CONDITIONS WHICH ARE CONCEALED BY EXISTING CONSTRUCTION MAY VARY FROM THOSE INDICATED. ALL WORK THAT RELATES TO, OR IS IN ANY WAY AFFECTED BY EXISTING CONDITIONS WHICH VARY FROM THOSE INDICATED, SHALL BE MODIFIED TO ACHIEVE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ACCORDING TO FIELD ASSESSMENTS AND MEASUREMENTS. REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH AFFECTED ASPECTS OF DEMOLITION OR CONSTRUCTION.

D. DAMAGE OCCURRING DURING SCOPE OF WORK IS TO BE PATCHED, REPAIRED AND FINISHED TO MATCH ADJACENT SIMILAR CONDITIONS.

E. VERIFY ALL ASSEMBLIES TO BE REMOVED ARE NON-STRUCTURAL. NOTIFY THE ARCHITECT IN ADVANCE OF CUTTING OR ALTERING WHICH MAY AFFECT THE STRUCTURAL STABILITY OF ANY PORTION OF THE BUILDING.

F. WHERE FLOOR FINISHES ARE NOTED TO BE REMOVED, REMOVE FLOOR COVERING, WALL BASE, ALL ADHESIVE AND PREPARE CONCRETE SLAB FOR INSTALLATION OF NEW FLOOR FINISH.

G. ALL WINDOW TREATMENTS ARE EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION AND CLEAN PRIOR TO RETURNING THE ROOM TO THE OWNER.

DEMOLITION PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A1.1.1 - A1.1.2

1	REMOVE FLOORING AND RESILIENT WALL BASE.
2	REMOVE RESILIENT WALL BASE FROM PERIMETER OF ROOM, CASEWORK AND FIXED TABLES.
3	REMOVE FIXED TABLES AND SEATING.
4	REMOVE AND REINSTALL ACCESSIBLE HEIGHT CASEWORK TO FRONT ROW AND STANDARD HEIGHT CASEWORK TO BACK ROW
5	REMOVE EXISTING TACKBOARD / MARKERBOARD
6	REMOVE CABINETS ABOVE COUNTERTOP.
7	REMOVE WALL MOUNTED TELEVISION, VCR AND SUPPORT BRACKET. REPAIR WALL TO MATCH EXISTING ADJACENT CONDITION. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS.
8	REMOVE TALL CABINETS.
9	REMOVE CHEMICAL STORAGE CABINETS.
10	REMOVE GRID AND CEILING TILES. REMOVE AND SALVAGE EXISTING CEILING MOUNTED DEVICES AND LIGHTING FIXTURES TO BE REINSTALLED
11	REMOVE ACOUSTICAL WALL PANELS. PATCH AND REPAIR SURFACE TO RECEIVE NEW FINISHES.
12	REMOVE ACOUSTICAL CURTAINS FROM CEILING.
13	DECONTAIMINATE AND REMOVE FUME HOOD
14	REMOVE CEILING TILES, GRID TO REMAIN. REMOVE AND SALVAGE EXISTING CEILING MOUNTED DEVICES AND LIGHTING FIXTURES TO BE REINSTALLED
15	REMOVE PORTION OF GRID AND CEILING TILES REQUIRED FOR MECHANICAL WORK ABOVE CEILING. REMOVE AND SALVAGE EXISTING CEILING MOUNTED DEVICES AND LIGHTING FIXTURES TO BE REINSTALLED

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR DEMOLITION PLAN

A1.2.1

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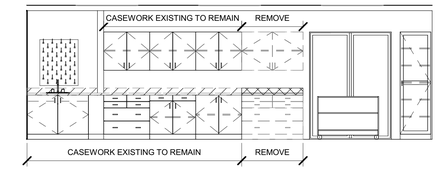
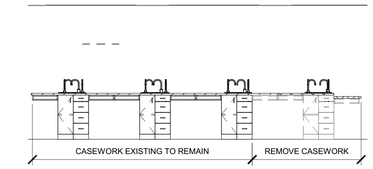
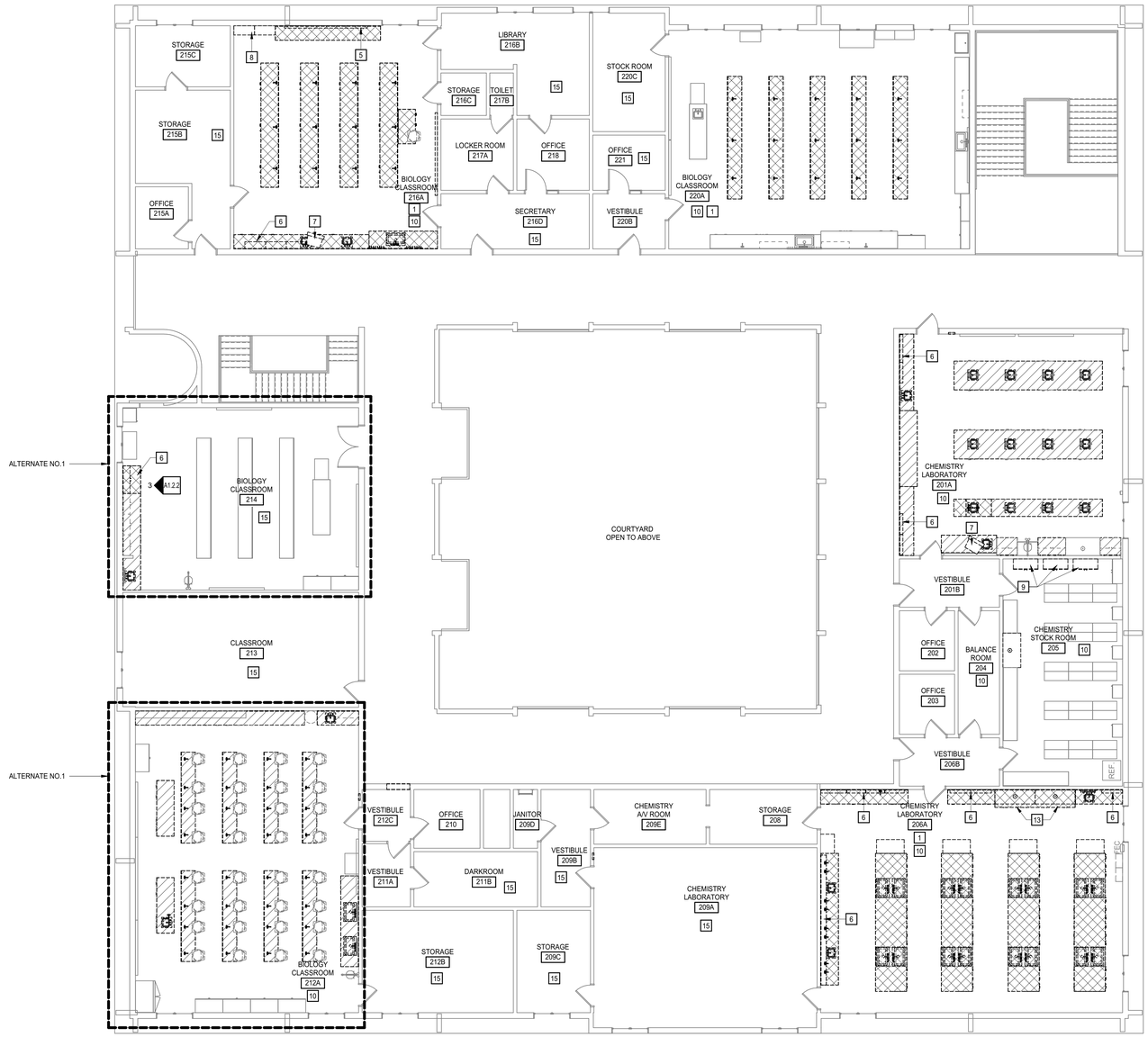


3 **214 - CASEWORK DEMOLITION**
1/4" = 1'-0"



2 **201 - CASEWORK DEMOLITION**
1/4" = 1'-0"



N

DEMOLITION SECOND FLOOR
1/8" = 1'-0"

DEMOLITION PLAN LEGEND

APPLIES TO DRAWINGS A1.1.1 - A1.1.2

EXISTING PARTITION/ WALL/ ITEM TO REMAIN

HATCH INDICATES REMOVAL OF EPOXY COUNTERTOP AND FIXTURES. CASEWORK TO REMAIN. SALVAGE AND REUSE EXISTING COUNTERTOP MOUNTED ELECTRICAL RECEPTACLES. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS.

HATCH INDICATES REMOVAL OF CASEWORK, EPOXY COUNTERTOP AND FIXTURES. SALVAGE AND REUSE EXISTING COUNTERTOP MOUNTED ELECTRICAL RECEPTACLES. REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS.

DEMOLITION PLAN GENERAL NOTES

A. ALL DEMOLITION WORK INDICATED IN THESE DRAWINGS INVOLVE THE REMOVAL OF EXISTING CONSTRUCTION UNDER THIS CONTRACT AND SHALL BE COORDINATED WITH CORRESPONDING PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS

B. REMOVE EXISTING CONSTRUCTION AS INDICATED. DEMOLITION SHALL BE TO THE LEAST EXTEND POSSIBLE IN ORDER TO COMPLETE THE WORK. DO NOT PERFORM DEMOLITION BEYOND THE SCOPE OF CONSTRUCTION. FLOOR SLABS UNDER FLOORING TO BE REMOVED SHALL BE CLEAN OF ADHESIVES AND CHEMICAL RESIDUE.

C. DETAILS OF EXISTING CONDITIONS: ACTUAL FIELD CONDITIONS WHICH ARE CONCEALED BY EXISTING CONSTRUCTION MAY VARY FROM THOSE INDICATED. ALL WORK THAT RELATES TO, OR IS IN ANY WAY AFFECTED BY EXISTING CONDITIONS WHICH VARY FROM THOSE INDICATED, SHALL BE MODIFIED TO ACHIEVE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ACCORDING TO FIELD ASSESSMENTS AND MEASUREMENTS. REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH AFFECTED ASPECTS OF DEMOLITION OR CONSTRUCTION.

D. DAMAGE OCCURRING DURING SCOPE OF WORK IS TO BE PATCHED, REPAIRED AND FINISHED TO MATCH ADJACENT SIMILAR CONDITIONS.

E. VERIFY ALL ASSEMBLIES TO BE REMOVED ARE NON-STRUCTURAL. NOTIFY THE ARCHITECT IN ADVANCE OF CUTTING OR ALTERING WHICH MAY AFFECT THE STRUCTURAL STABILITY OF ANY PORTION OF THE BUILDING.

F. WHERE FLOOR FINISHES ARE NOTED TO BE REMOVED, REMOVE FLOOR COVERING, WALL BASE, ALL ADHESIVE AND PREPARE CONCRETE SLAB FOR INSTALLATION OF NEW FLOOR FINISH.

G. ALL WINDOW TREATMENTS ARE EXISTING TO REMAIN. PROTECT DURING CONSTRUCTION AND CLEAN PRIOR TO RETURNING THE ROOM TO THE OWNER.

DEMOLITION PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A1.1.1 - A1.1.2

1	REMOVE FLOORING AND RESILIENT WALL BASE.
2	REMOVE RESILIENT WALL BASE FROM PERIMETER OF ROOM, CASEWORK AND FIXED TABLES.
3	REMOVE FIXED TABLES AND SEATING.
4	REMOVE AND REINSTALL ACCESSIBLE HEIGHT CASEWORK TO FRONT ROW AND STANDARD HEIGHT CASEWORK TO BACK ROW
5	REMOVE EXISTING TACKBOARD / MARKERBOARD
6	REMOVE CABINETS ABOVE COUNTERTOP.
7	REMOVE WALL MOUNTED TELEVISION, VCR AND SUPPORT BRACKET. REPAIR WALL TO MATCH EXISTING ADJACENT CONDITION. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS.
8	REMOVE TALL CABINETS.
9	REMOVE CHEMICAL STORAGE CABINETS.
10	REMOVE GRID AND CEILING TILES. REMOVE AND SALVAGE EXISTING CEILING MOUNTED DEVICES AND LIGHTING FIXTURES TO BE REINSTALLED
11	REMOVE ACOUSTICAL WALL PANELS. PATCH AND REPAIR SURFACE TO RECEIVE NEW FINISHES.
12	REMOVE ACOUSTICAL CURTAINS FROM CEILING.
13	DECONTAIMINATE AND REMOVE FUME HOOD
14	REMOVE CEILING TILES, GRID TO REMAIN. REMOVE AND SALVAGE EXISTING CEILING MOUNTED DEVICES AND LIGHTING FIXTURES TO BE REINSTALLED
15	REMOVE PORTION OF GRID AND CEILING TILES REQUIRED FOR MECHANICAL WORK ABOVE CEILING. REMOVE AND SALVAGE EXISTING CEILING MOUNTED DEVICES AND LIGHTING FIXTURES TO BE REINSTALLED

0' 2' 4' 8' 16'
1/8" = 1'-0"

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MEYER HALL RENOVATIONS

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SECOND FLOOR DEMOLITION PLAN

A1.2.2

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FUME HOOD SCHEDULE

MARK	WIDTH	TYPE	SASH OPERATION	SERVICES				REMARKS
				G	A	V	W	
FH-1	5' - 0"	BYPASS (CONSTANT VOLUME)	VERTICAL	-	-	-	-	NONE
FH-1A	5' - 0"	BYPASS (CONSTANT VOLUME)	VERTICAL	-	-	-	-	ADA

LAB SINK SCHEDULE

MARK	TYPE	DEPTH	WIDTH x LENGTH	REMARKS
SK-1	EPOXY	10.8"	18" x 15"	UNDERMOUNT
SK-1A	EPOXY	5"	18" x 15"	UNDERMOUNT / ADA COMPLIANT
SK-2	EPOXY	12"	28" x 15"	UNDERMOUNT
SK-2A	EPOXY	4.8"	25" x 15"	UNDERMOUNT / ADA COMPLIANT
SK-3	EPOXY	9.8"	21" x 17"	UNDERMOUNT
SK-3A	EPOXY	5"	18" x 15"	UNDERMOUNT / ADA COMPLIANT

FINISH SCHEDULE - FIRST FLOOR

NUMBER	NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	NOTES
				NORTH	EAST	SOUTH	WEST			
112A	PHYSICS LAB	EX	EX / RB	PT	PT	PT	PT	- -	ACP	1, 3
113B	PROJECTION ROOM	C-TILE	RB	PT	PT	PT	PT	- -	ACP	3
113D	MECH ROOM	EX	EX	- -	- -	- -	- -	- -	EXPC	
113E	STORAGE	C-TILE	RB	PT	PT	PT	PT	- -	ACP	3
M113	LECTURE ROOM	C-TILE	RB	PT	PT	PT	PT	- -	ACP	2, 3

NOTE:

1. RESILIENT BASE AT ALL WALL AND CASEWORK LOCATIONS THAT DO NOT HAVE EXISTING TILE BASE.
2. REFER TO ELEVATIONS A2.1.1 FOR ADDITIONAL DETAILS OF ACOUSTICAL WALL PANELS.
3. INSTALL ACP IN EXISTING CEILING GRID TO REMAIN.

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.

B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.

C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.

D. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.

E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.

F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

G. REFER TO SPECIFICATIONS FOR INFORMATION ON FINISH FIRE CLASSIFICATION RATING.

H. HOLLOW METAL DOOR AND WINDOW FRAMES TO RECEIVE PAINT. DO NOT PAINT STOREFRONT OR WINDOW COVERING HARDWARE.

FLOOR PLAN LEGEND

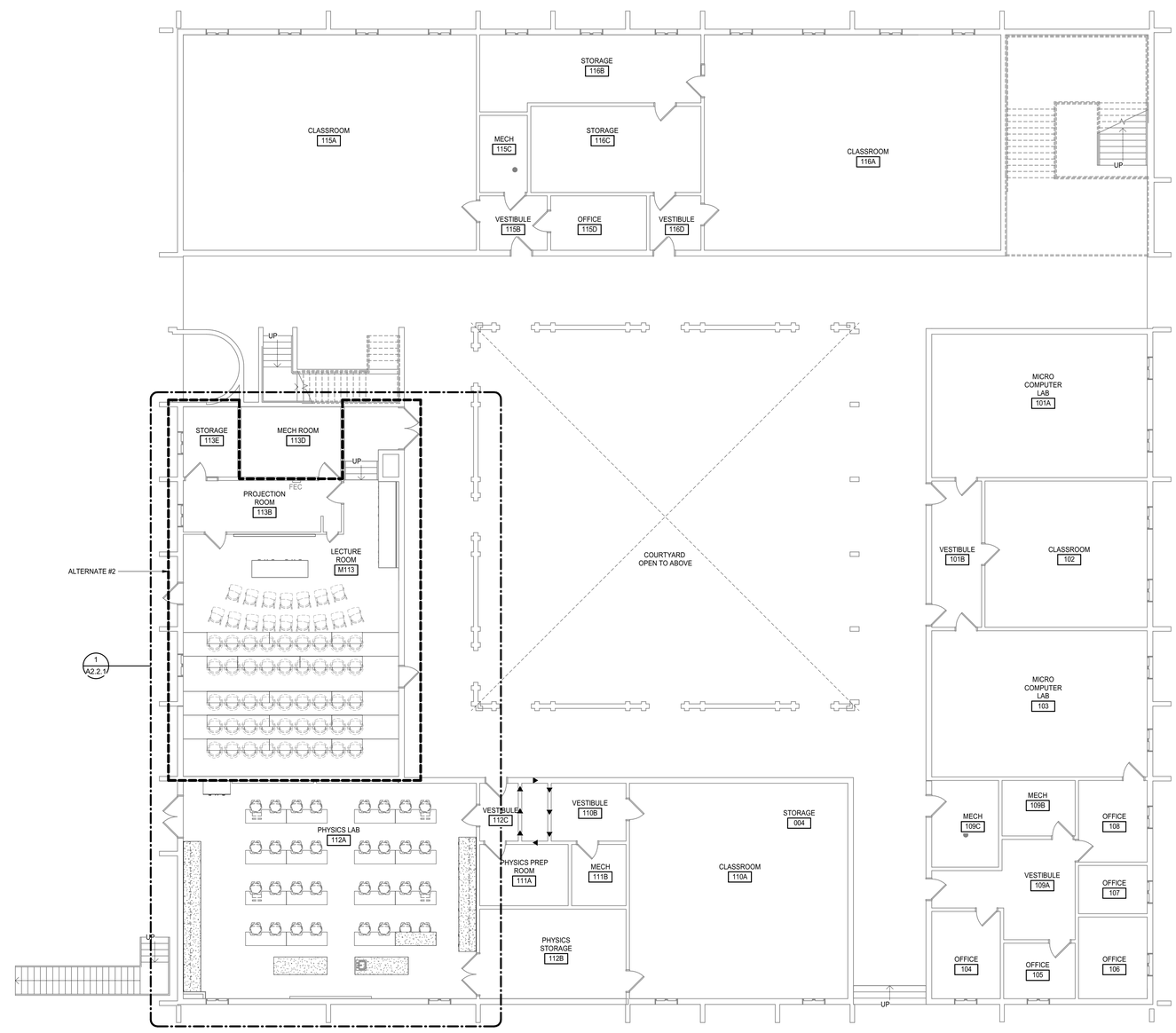
HATCH INDICATES SCOPE OF EPOXY COUNTERTOP. REFER TO LABORATORY CASEWORK ELEVATIONS FOR ADDITIONAL DETAILS OF CASEWORK SCOPE.

HATCH INDICATES EXISTING COUNTERTOP TO REMAIN

ALTERNATE SCOPE NOTES

ALTERNATE #1:
INCLUDES AREAS DEFINED WITHIN DASHED LINE BOUNDARY. DO NOT INCLUDE IN BASE BID WITH EXCEPTION OF PROJECT SCOPE INDICATED IN MECHANICAL DRAWINGS.

ALTERNATE #2:
INCLUDES AREAS DEFINED WITHIN DASHED LINE BOUNDARY. DO NOT INCLUDE IN BASE BID WITH EXCEPTION OF PROJECT SCOPE INDICATED IN MECHANICAL DRAWINGS.



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

0' 2' 4' 8' 16'
1/8" = 1'-0"

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FIRST FLOOR PLAN AND FINISH SCHEDULE

A2.1.1

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FUME HOOD SCHEDULE

MARK	WIDTH	TYPE	SASH OPERATION	SERVICES				REMARKS
				G	A	V	W	
FH-1	5' - 0"	BYPASS (CONSTANT VOLUME)	VERTICAL	-	-	-	-	NONE
FH-1A	5' - 0"	BYPASS (CONSTANT VOLUME)	VERTICAL	-	-	-	-	ADA

LAB SINK SCHEDULE

MARK	TYPE	DEPTH	WIDTH x LENGTH	REMARKS
SK-1	EPOXY	10.8"	18" x 15"	UNDERMOUNT
SK-1A	EPOXY	5"	18" x 15"	UNDERMOUNT / ADA COMPLIANT
SK-2	EPOXY	12"	28" x 15"	UNDERMOUNT
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SK-3	EPOXY	9.8"	21" x 17"	UNDERMOUNT
SK-3A	EPOXY	5"	18" x 15"	UNDERMOUNT / ADA COMPLIANT

FINISH SCHEDULE - SECOND FLOOR

NUMBER	NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	NOTES
				NORTH	EAST	SOUTH	WEST			
201A	CHEMISTRY LABORATORY	EX	EX / RB	PT	PT	PT	PT	- -	ACP	1
204	BALANCE ROOM	EX	EX	EX	EX	EX	EX	- -	ACP	
205	CHEMISTRY STOCK ROOM	EX	EX / RB	PT	PT	PT	PT	- -	ACP	1
206A	CHEMISTRY LABORATORY	VT	EX / RB	PT	PT	PT	PT	- -	ACP	1
209C	STORAGE	EX	EX	EX	EX	EX	EX	- -	ACP	
212A	BIOLOGY CLASSROOM	EX	EX / RB	PT	PT	PT	PT	- -	ACP	1
212B	STORAGE	EX	EX	EX	EX	EX	EX	- -	ACP	
214	BIOLOGY CLASSROOM	EX	EX / RB	PT	PT	PT	PT	- -	EX	1
216A	BIOLOGY CLASSROOM	VT	EX / RB	PT	PT	PT	PT	- -	ACP	1
220A	BIOLOGY CLASSROOM	VT	EX / RB	PT	PT	PT	PT	- -	ACP	1

NOTE:

1. RESILIENT BASE AT ALL WALL AND CASEWORK LOCATIONS THAT DO NOT HAVE EXISTING TILE BASE.
2. REFER TO ELEVATIONS A2.1.1 FOR ADDITIONAL DETAILS OF ACOUSTICAL WALL PANELS.
3. INSTALL ACP IN EXISTING CEILING GRID TO REMAIN.

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.

B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.

C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.

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E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.

F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

G. REFER TO SPECIFICATIONS FOR INFORMATION ON FINISH FIRE CLASSIFICATION RATING.

H. HOLLOW METAL DOOR AND WINDOW FRAMES TO RECEIVE PAINT. DO NOT PAINT STOREFRONT OR WINDOW COVERING HARDWARE.

FLOOR PLAN LEGEND

HATCH INDICATES SCOPE OF EPOXY COUNTERTOP. REFER TO LABORATORY CASEWORK ELEVATIONS FOR ADDITIONAL DETAILS OF CASEWORK SCOPE.

HATCH INDICATES EXISTING COUNTERTOP TO REMAIN

ALTERNATE SCOPE NOTES

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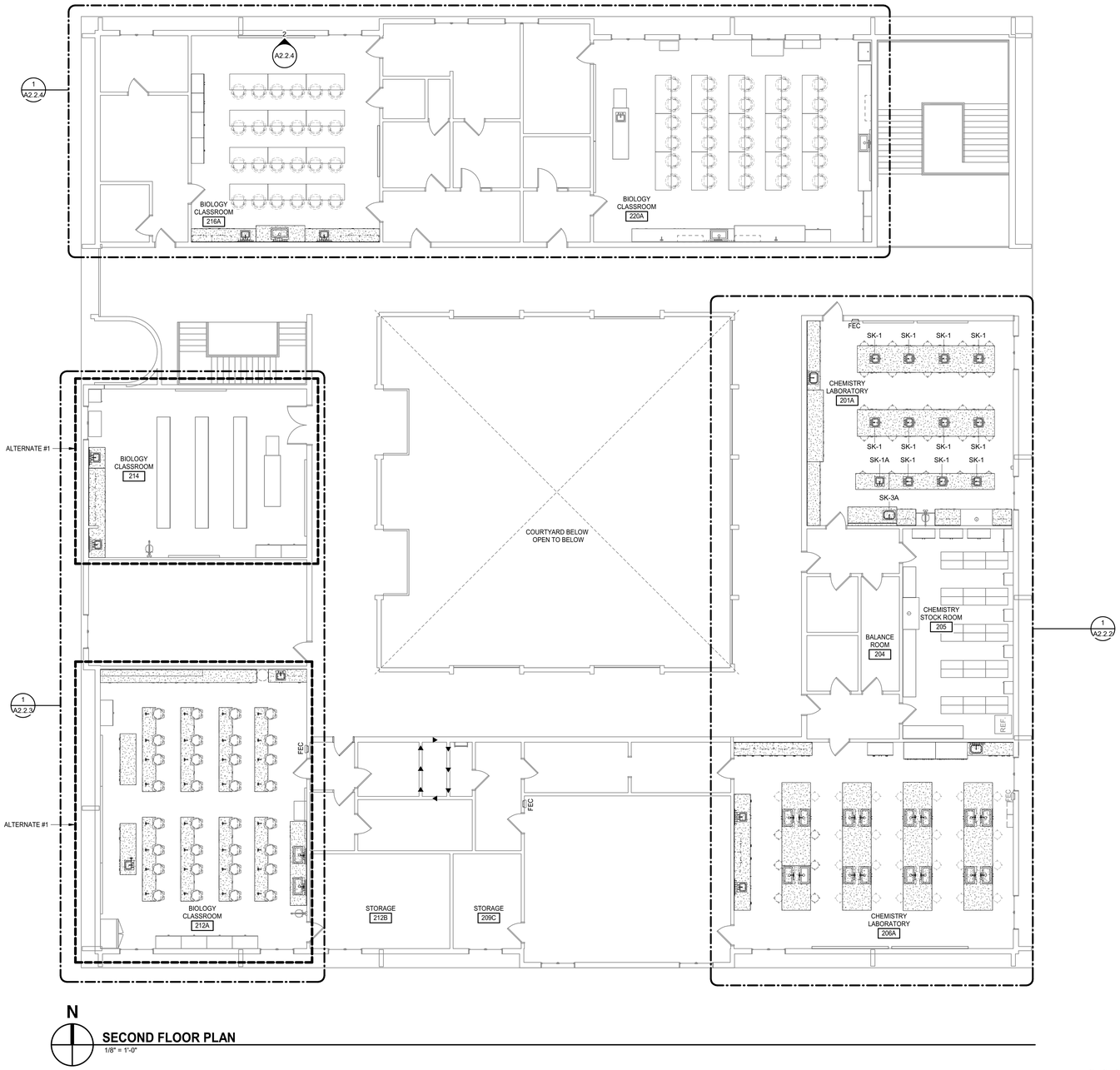

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SECOND FLOOR PLAN
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

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SECOND FLOOR PLAN AND FINISH SCHEDULE

A2.1.2

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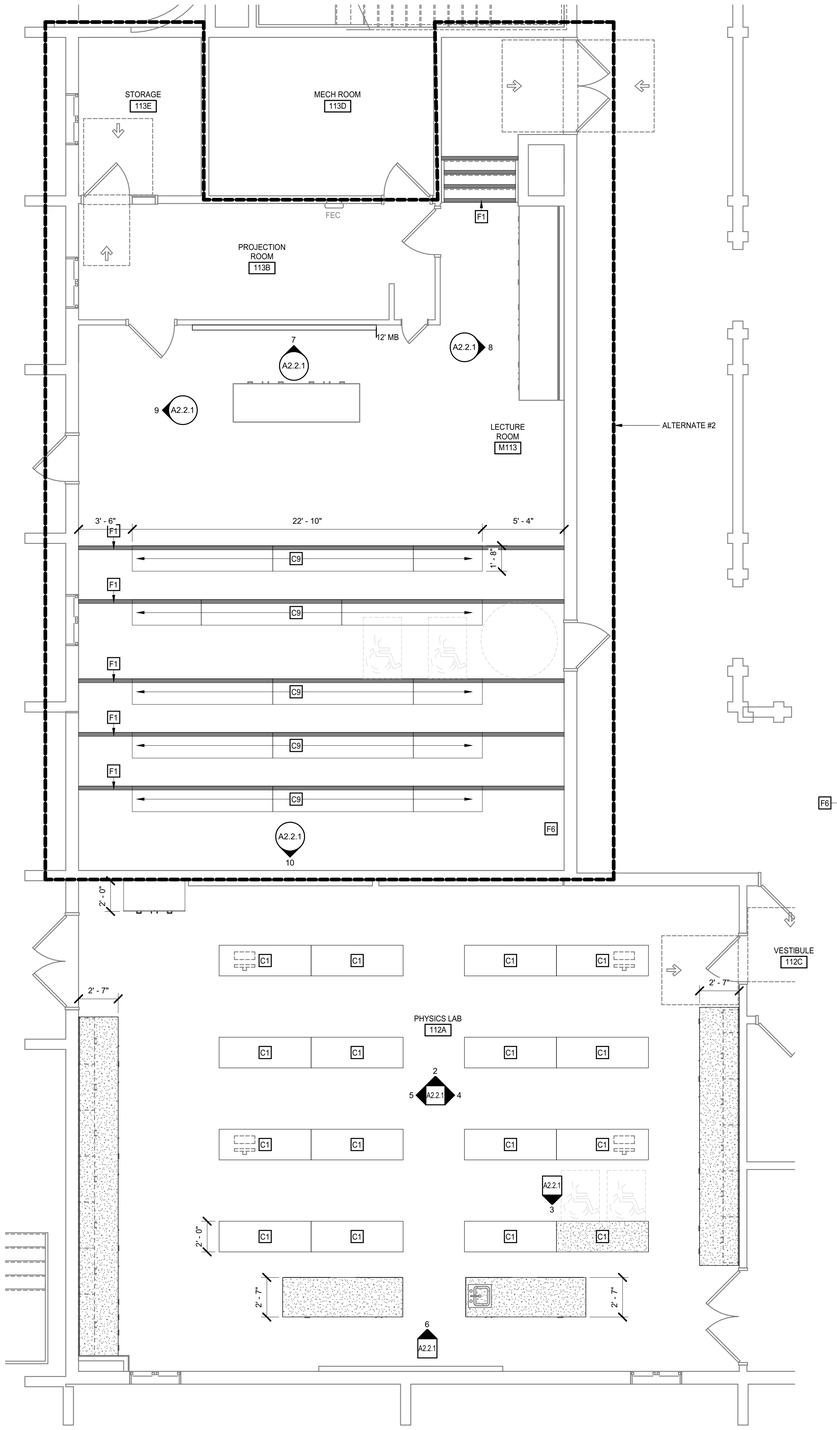
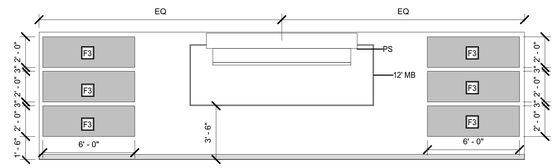
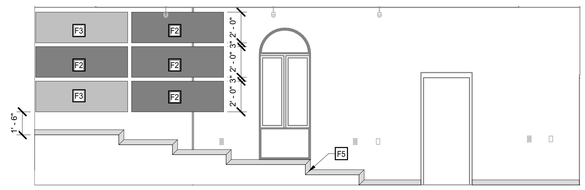


N

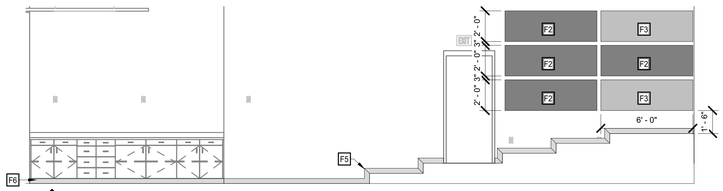
1 A2.1.1 A2.2.1 **FLOOR PLAN - 112 AND 113**
1/4" = 1'-0"



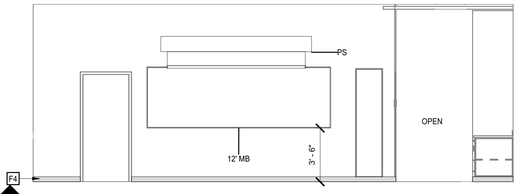
10 A2.2.1 A2.2.1 **INTERIOR ELEVATION - ALTERNATE 2**
1/4" = 1'-0"



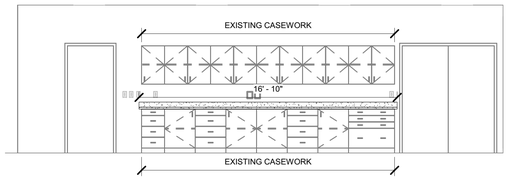
9 A2.2.1 A2.2.1 **INTERIOR ELEVATION - ALTERNATE 2**
1/4" = 1'-0"



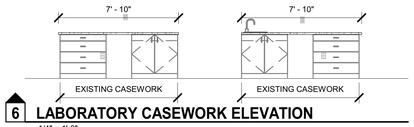
8 A2.2.1 A2.2.1 **INTERIOR ELEVATION - ALTERNATE 2**
1/4" = 1'-0"



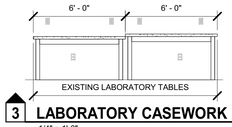
7 A2.2.1 A2.2.1 **INTERIOR ELEVATION - ALTERNATE 2**
1/4" = 1'-0"



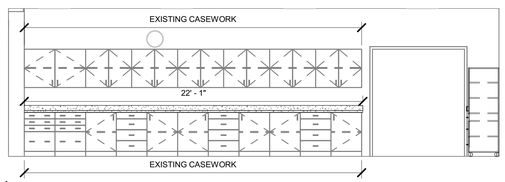
4 **LABORATORY CASEWORK ELEVATION**
1/4" = 1'-0"



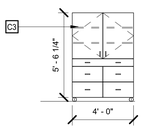
6 **LABORATORY CASEWORK ELEVATION**
1/4" = 1'-0"



3 **LABORATORY CASEWORK ELEVATION**
1/4" = 1'-0"



5 **LABORATORY CASEWORK ELEVATION**
1/4" = 1'-0"



2 **LABORATORY CASEWORK ELEVATION**
1/4" = 1'-0"

FLOOR PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1.1 - A2.1.4

F1	RESILIENT STAIR NOSING WITH CONTRASTING VISUAL INDICATOR STRIP.
F2	ACOUSTICAL WALL PANEL 2'X6', COLOR 1
F3	ACOUSTICAL WALL PANEL 2'X6', COLOR 2
F4	RB, TYP
F5	RESILIENT WALL BASE, MITER CUT AT CORNERS
F6	REMOVE AND REINSTALL FLOOR GRILLES WITH CARPET INSTALLATION. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL REQUIRMENTS.

FLOOR PLAN LEGEND

HATCH INDICATES SCOPE OF EPOXY COUNTERTOP. REFER TO LABORATORY CASEWORK ELEVATIONS FOR ADDITIONAL DETAILS OF CASEWORK SCOPE.

HATCH INDICATES EXISTING COUNTERTOP TO REMAIN

CASEWORK GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S):
- 2'-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
- 2'-1" DEEP
- EPOXY RESIN
- BACKSPLASHES: 4" HIGH AT ALL SIDES AND BACK

B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):
- 2'-0" DEEP NOMINAL
- TOE KICKS: 4" HIGH AND 3" DEEP
- SINK LOCATIONS: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER FREE ACCESS

C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):
- 1'-0 1/2" DEEP NOMINAL
- 2'-6" HIGH
- TOP AT 7'-0" AFF
- MINIMUM 11" CLEAR INTERIOR DEPTH

D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.

E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.

F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.

G. ALL CASEWORK TO RECEIVE LOCKS.

H. INSTALL RB ON ALL NEW CASEWORK

I. FIELD VERIFY ALL DIMENSIONS OF EXISTING CASEWORK PRIOR TO FABRICATING COUNTERTOPS AND INTEGRAL SINKS.

CASEWORK KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1.1 - A2.1.4

C1	EPOXY COUNTERTOP WITH GROMMET AND UPRIGHT ROD ASSEMBLY.
C2	FILLER PANEL
C3	MOBILE STORAGE CABINET
C4	REMOVABLE BARRIER FREE PANEL
C5	DRYING PEG BOARD
C6	EPOXY COUNTER WITH WATERFALL TRANSITION
C7	6" BACKSPLASH, ALIGN WITH HEIGHT OF 4" BACKSPLASH
C8	ACID STORAGE CABINET, CONNECT TO EXHAUST
C9	FIXED SEMINAR TABLES
C10	2'-6" X 6'-0" SCIENCE TABLE WITH EPOXY TOPS
C11	EXPOXY CAP ON CHASE WALL
C12	UNDERCOUNTER BRACKET
C13	KNEE SPACE
C14	FUME HOOD WITH SHROUD EXTENDED TO CEILING.
C15	FINISHED END PANEL TO MATCH EXISTING
C16	BACKSPLASH CONTINUES AROUND PARTITION
C17	FULL HEIGHT MICROSCOPE STORAGE CABINET
C18	FULL HEIGHT DISPLAY CABINET

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ENLARGED FLOOR PLAN, CASEWORK AND ELEVATIONS

A2.2.1

0' 1' 2' 4' 8'
1/4" = 1'-0"

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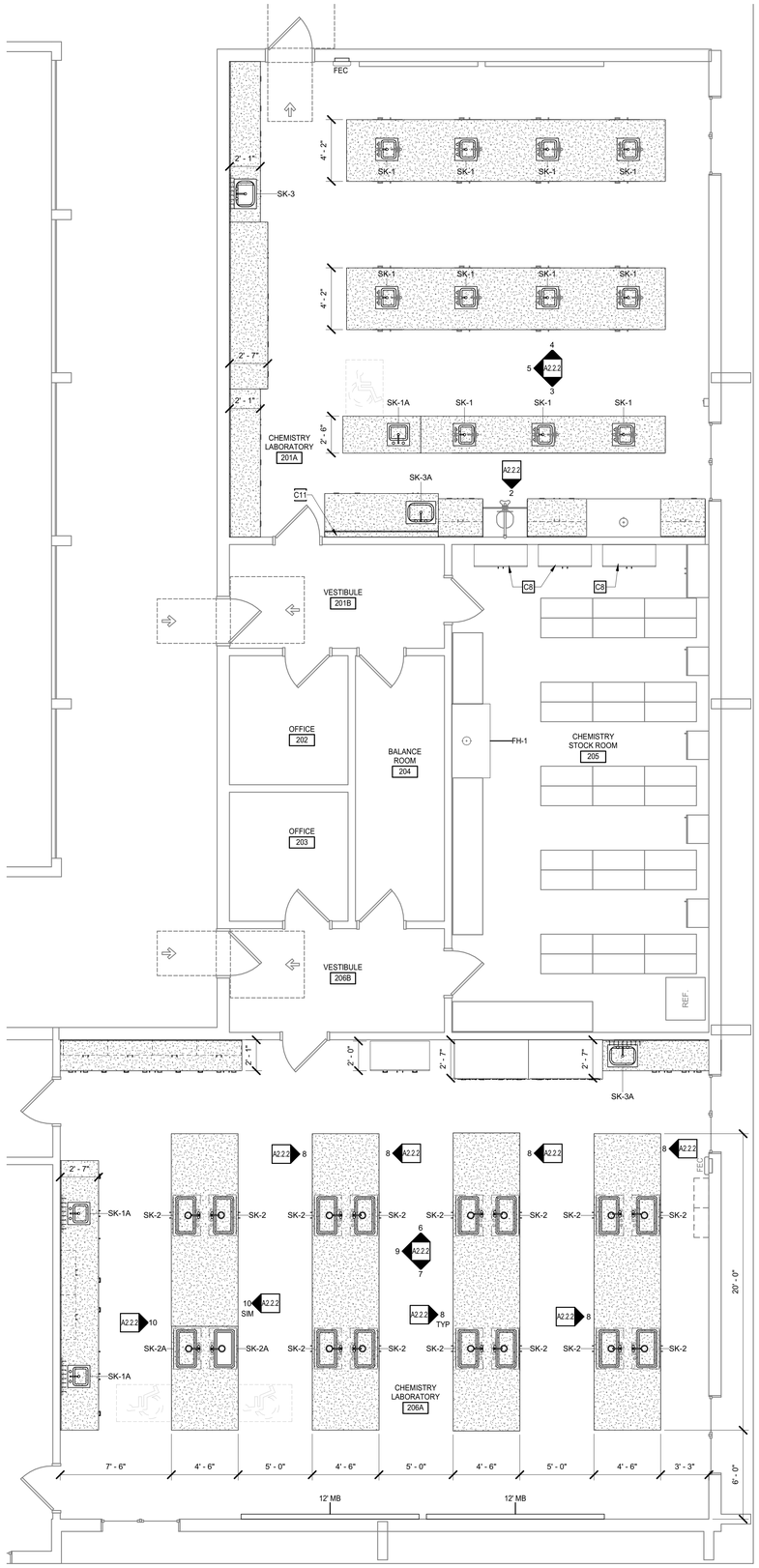


N

1 SECOND FLOOR PLAN - 201, 204, 206
A2.1.2 A2.2.2 1/4" = 1'-0"

FLOOR PLAN LEGEND

HATCH INDICATES SCOPE OF EPOXY COUNTERTOP. REFER TO LABORATORY CASEWORK ELEVATIONS FOR ADDITIONAL DETAILS OF CASEWORK SCOPE.

HATCH INDICATES EXISTING COUNTERTOP TO REMAIN

FLOOR PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1.1 - A2.1.4

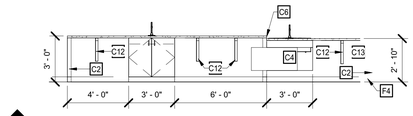
F1	RESILIENT STAIR NOSING WITH CONTRASTING VISUAL INDICATOR STRIP.
F2	ACOUSTICAL WALL PANEL 2'X6', COLOR 1
F3	ACOUSTICAL WALL PANEL 2'X6', COLOR 2
F4	RB, TYP
F5	RESILIENT WALL BASE, MITER CUT AT CORNERS
F6	REMOVE AND REINSTALL FLOOR GRILLES WITH CARPET INSTALLATION. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL REQUIRMENTS.

CASEWORK KEYNOTES

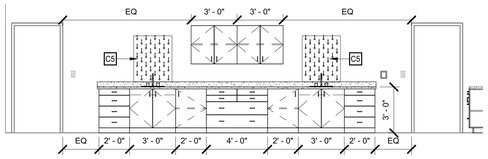
REPRESENTED BY n

APPLIES TO DRAWINGS A2.1.1 - A2.1.4

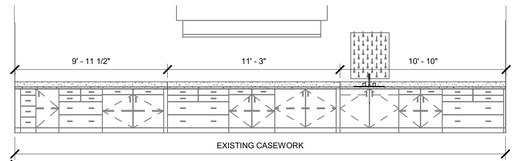
C1	EPOXY COUNTERTOP WITH GROMMET AND UPRIGHT ROD ASSEMBLY.
C2	FILLER PANEL
C3	MOBILE STORAGE CABINET
C4	REMOVABLE BARRIER FREE PANEL
C5	DRYING PEG BOARD
C6	EPOXY COUNTER WITH WATERFALL TRANSITION
C7	6" BACKSPLASH, ALIGN WITH HEIGHT OF 4" BACKSPLASH
C8	ACID STORAGE CABINET, CONNECT TO EXHAUST
C9	FIXED SEMINAR TABLES
C10	2'-6" X 6'-0" SCIENCE TABLE WITH EPOXY TOPS
C11	EXPOXY CAP ON CHASE WALL
C12	UNDERCOUNTER BRACKET
C13	KNEE SPACE
C14	FUME HOOD WITH SHROUD EXTENDED TO CEILING.
C15	FINISHED END PANEL TO MATCH EXISTING
C16	BACKSPLASH CONTINUES AROUND PARTITION
C17	FULL HEIGHT MICROSCOPE STORAGE CABINET
C18	FULL HEIGHT DISPLAY CABINET



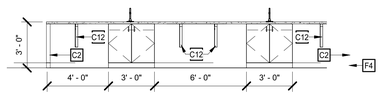
10 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"



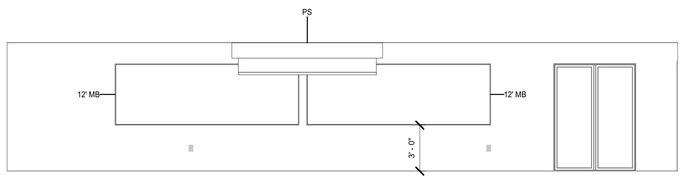
9 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"



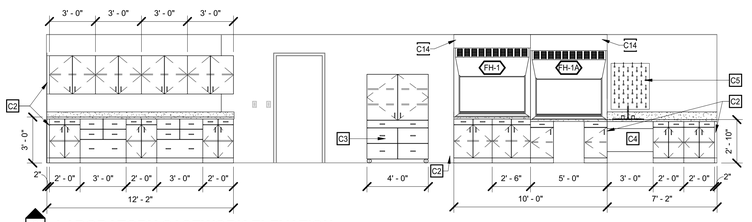
5 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"



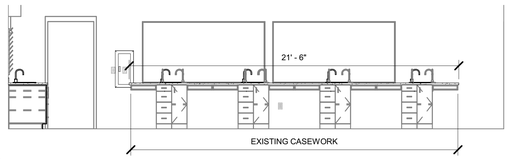
8 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"



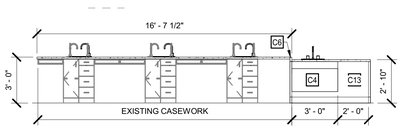
7 INTERIOR ELEVATION
A2.2.2 A2.2.2 1/4" = 1'-0"



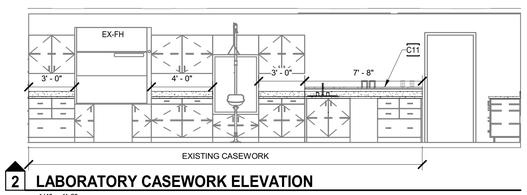
6 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"



4 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"



3 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"



2 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"

0' 1' 2' 4' 8'
1/4" = 1'-0"

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

ENLARGED FLOOR PLAN, CASEWORK AND ELEVATIONS

A2.2.2

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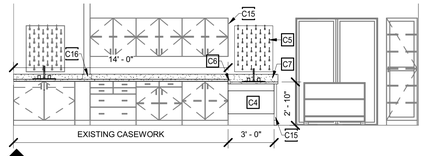
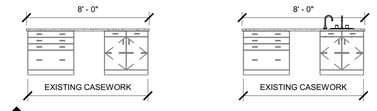


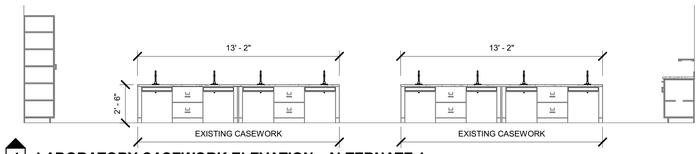
6 LABORATORY CASEWORK ELEVATION - ALTERNATE 1

1/4" = 1'-0"



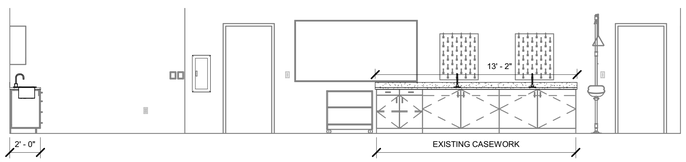
5 LABORATORY CASEWORK ELEVATION - ALTERNATE 1

1/4" = 1'-0"



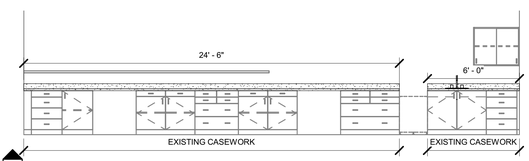
4 LABORATORY CASEWORK ELEVATION - ALTERNATE 1

1/4" = 1'-0"



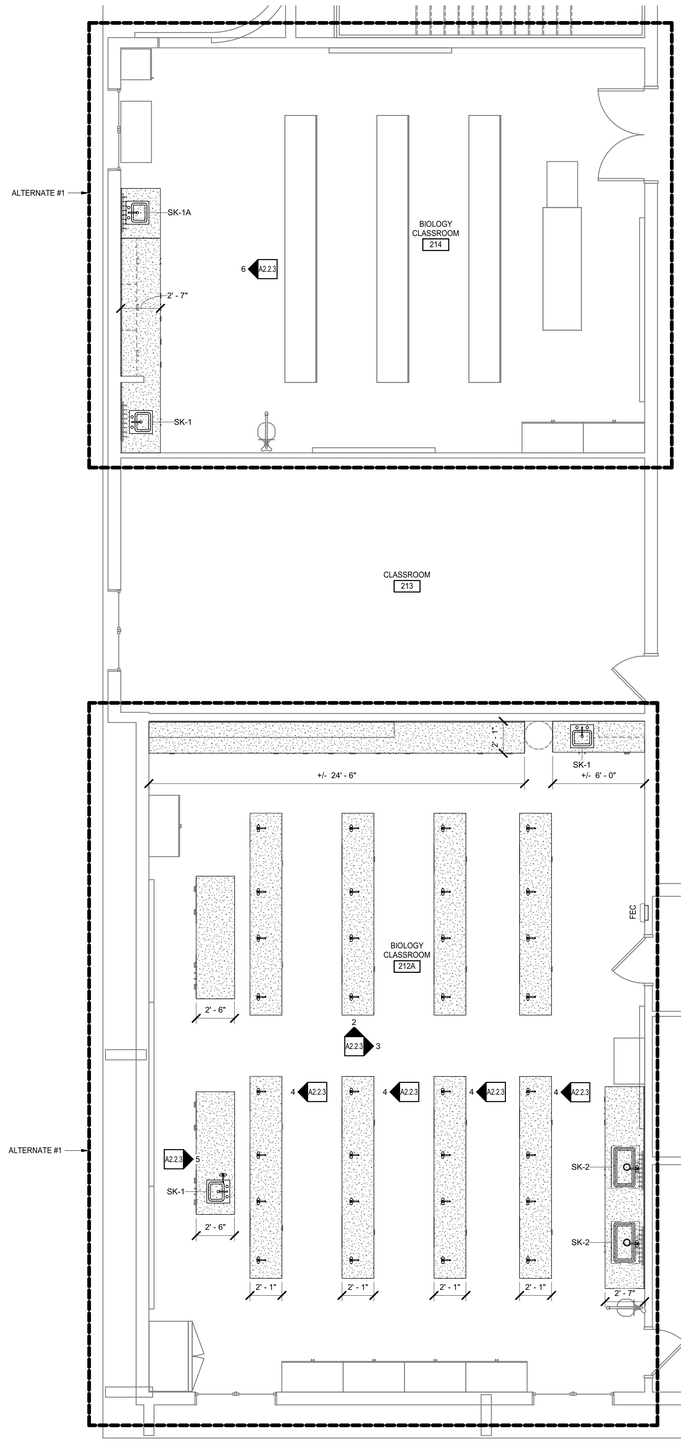
3 LABORATORY CASEWORK ELEVATION - ALTERNATE 1

1/4" = 1'-0"



2 LABORATORY CASEWORK ELEVATION - ALTERNATE 1

1/4" = 1'-0"



N

1 A2.1.2 A2.2.3

SECOND FLOOR PLAN - 212 & 214

1/4" = 1'-0"

0' 1' 2' 4' 8'

1/4" = 1'-0"

FLOOR PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1.1 - A2.1.4

F1	RESILIENT STAIR NOSING WITH CONTRASTING VISUAL INDICATOR STRIP.
F2	ACOUSTICAL WALL PANEL 2'X6', COLOR 1
F3	ACOUSTICAL WALL PANEL 2'X6', COLOR 2
F4	RB, TYP
F5	RESILIENT WALL BASE, MITER CUT AT CORNERS
F6	REMOVE AND REINSTALL FLOOR GRILLES WITH CARPET INSTALLATION. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL REQUIRMENTS.

CASEWORK KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1.1 - A2.1.4

C1	EPOXY COUNTERTOP WITH GROMMET AND UPRIGHT ROD ASSEMBLY.
C2	FILLER PANEL
C3	MOBILE STORAGE CABINET
C4	REMOVABLE BARRIER FREE PANEL
C5	DRYING PEG BOARD
C6	EPOXY COUNTER WITH WATERFALL TRANSITION
C7	6" BACKSPLASH, ALIGN WITH HEIGHT OF 4" BACKSPLASH
C8	ACID STORAGE CABINET, CONNECT TO EXHAUST
C9	FIXED SEMINAR TABLES
C10	2'-6" X 6'-0" SCIENCE TABLE WITH EPOXY TOPS
C11	EXPOXY CAP ON CHASE WALL
C12	UNDERCOUNTER BRACKET
C13	KNEE SPACE
C14	FUME HOOD WITH SHROUD EXTENDED TO CEILING.
C15	FINISHED END PANEL TO MATCH EXISTING
C16	BACKSPLASH CONTINUES AROUND PARTITION
C17	FULL HEIGHT MICROSCOPE STORAGE CABINET
C18	FULL HEIGHT DISPLAY CABINET

FLOOR PLAN LEGEND

HATCH INDICATES SCOPE OF EPOXY COUNTERTOP. REFER TO LABORATORY CASEWORK ELEVATIONS FOR ADDITIONAL DETAILS OF CASEWORK SCOPE.

HATCH INDICATES EXISTING COUNTERTOP TO REMAIN

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
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ENLARGED FLOOR PLAN, CASEWORK AND ELEVATIONS

A2.2.3

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FLOOR PLAN LEGEND

	HATCH INDICATES SCOPE OF EPOXY COUNTERTOP. REFER TO LABORATORY CASEWORK ELEVATIONS FOR ADDITIONAL DETAILS OF CASEWORK SCOPE.
	HATCH INDICATES EXISTING COUNTERTOP TO REMAIN

FLOOR PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1.1 - A2.1.4

F1	RESILIENT STAIR NOSING WITH CONTRASTING VISUAL INDICATOR STRIP.
F2	ACOUSTICAL WALL PANEL 2'X6', COLOR 1
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F4	RB, TYP
F5	RESILIENT WALL BASE, MITER CUT AT CORNERS
F6	REMOVE AND REINSTALL FLOOR GRILLES WITH CARPET INSTALLATION. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL REQUIRMENTS.

CASEWORK KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1.1 - A2.1.4

C1	EPOXY COUNTERTOP WITH GROMMET AND UPRIGHT ROD ASSEMBLY.
C2	FILLER PANEL
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C4	REMOVABLE BARRIER FREE PANEL
C5	DRYING PEG BOARD
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C8	ACID STORAGE CABINET, CONNECT TO EXHAUST
C9	FIXED SEMINAR TABLES
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C11	EXPOXY CAP ON CHASE WALL
C12	UNDERCOUNTER BRACKET
C13	KNEE SPACE
C14	FUME HOOD WITH SHROUD EXTENDED TO CEILING.
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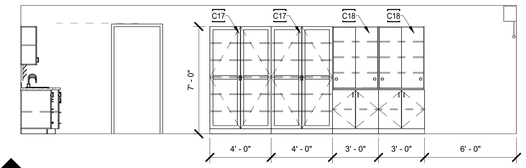
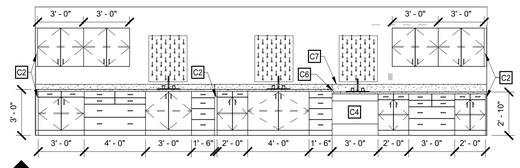
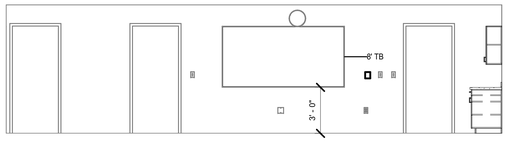
C16	BACKSPLASH CONTINUES AROUND PARTITION
C17	FULL HEIGHT MICROSCOPE STORAGE CABINET
C18	FULL HEIGHT DISPLAY CABINET



5 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"

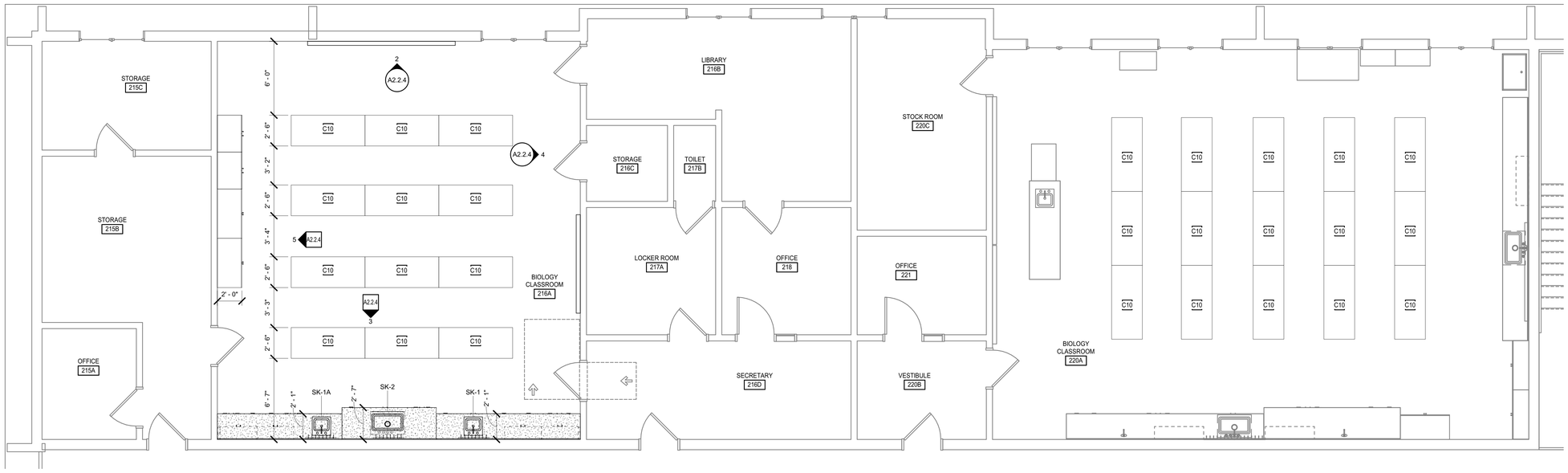


3 LABORATORY CASEWORK ELEVATION
1/4" = 1'-0"



4 INTERIOR ELEVATION
1/4" = 1'-0"

2 (A1.1.2 A2.2.4) INTERIOR ELEVATION
1/4" = 1'-0"



N

1 (A2.1.2 A2.2.4) SECOND FLOOR PLAN - 216 & 220
1/4" = 1'-0"

0' 1' 2' 4' 8'
1/4" = 1'-0"

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NORTH CAROLINA
RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

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REVISIONS	
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ENLARGED FLOOR PLAN, CASEWORK AND ELEVATIONS

A2.2.4

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REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1-A9.2

REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

A101 — SPACE NUMBER
nn'-nn" — CEILING HEIGHT, AFF UNO

EXISTING GYPSUM BOARD CEILING TO RECEIVE PAINT

2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID. CEILING IS EXISTING WHERE INDICATED IN GREY LINE WEIGHT. REFER TO FINISH SCHEDULE FOR ADDITIONAL DETAILS.

2'-0" x 4'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID. CEILING IS EXISTING WHERE INDICATED IN GREY LINE WEIGHT. REFER TO FINISH SCHEDULE FOR ADDITIONAL DETAILS.

AP — ACCESS PANEL

INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING

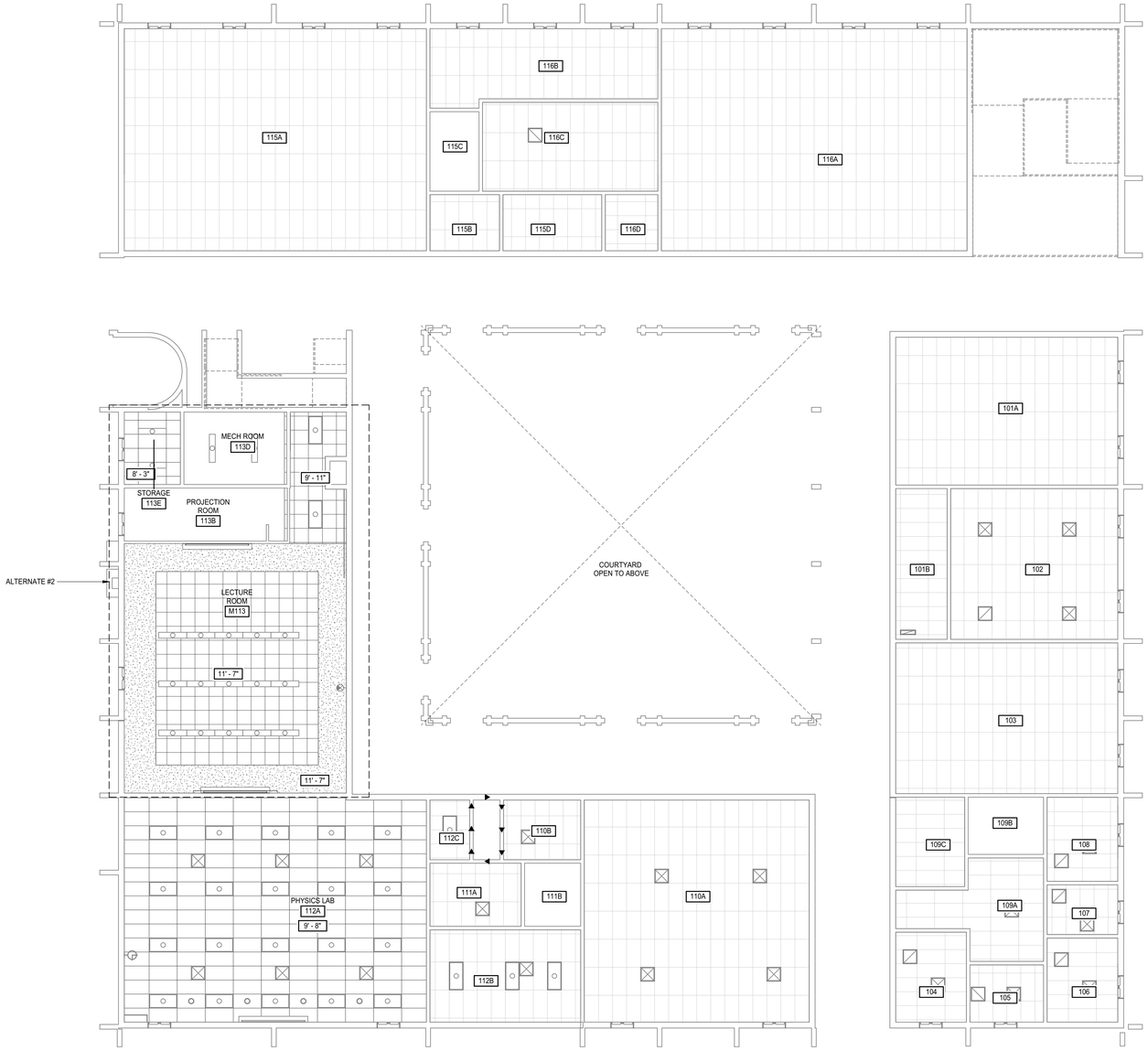
EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL MATCH EXISTING UNLESS INDICATED OTHERWISE.

B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.

C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.



N

FIRST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

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FIRST FLOOR REFLECTED CEILING PLAN

A9.1

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REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1-A9.2

REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

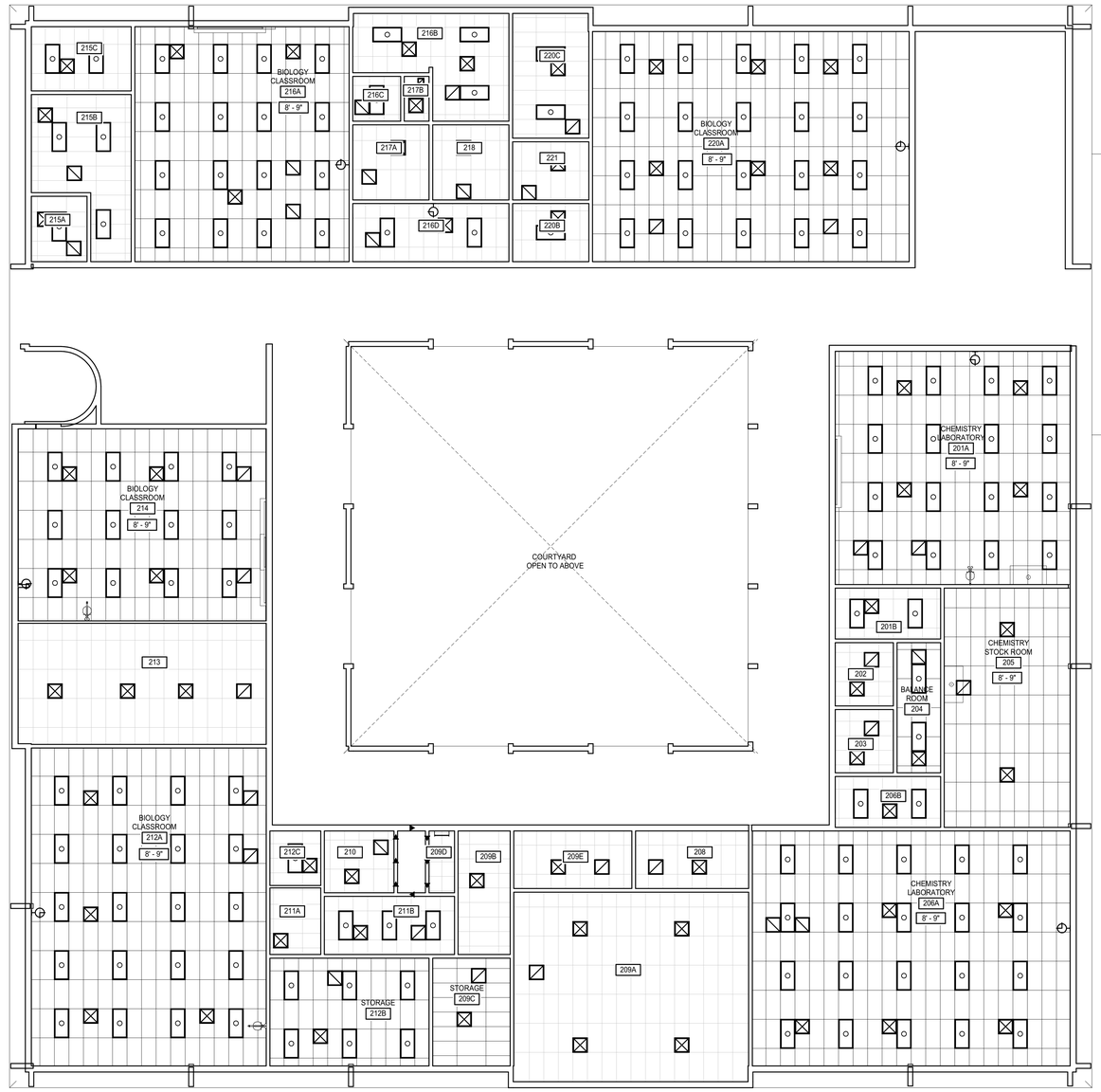
- A101 / nn'-nn" — SPACE NUMBER / CEILING HEIGHT, AFF UNO
- EXISTING GYPSUM BOARD CEILING TO RECEIVE PAINT
- 2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID. CEILING IS EXISTING WHERE INDICATED IN GREY LINE WEIGHT. REFER TO FINISH SCHEDULE FOR ADDITIONAL DETAILS.
- 2'-0" x 4'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID. CEILING IS EXISTING WHERE INDICATED IN GREY LINE WEIGHT. REFER TO FINISH SCHEDULE FOR ADDITIONAL DETAILS.
- AP — ACCESS PANEL
- INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
- EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL MATCH EXISTING UNLESS INDICATED OTHERWISE.

B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.

C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.



N

SECOND FLOOR - REFLECTED CEILING PLAN

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

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SECOND FLOOR REFLECTED CEILING PLAN

A9.2

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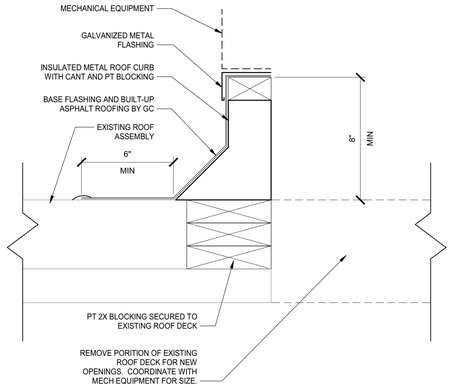


2 ROOF CURB DETAIL
NO SCALE

ROOF PLAN GENERAL NOTES

A. THE ROOF ASSEMBLIES IS EXISTING TO REMAIN.

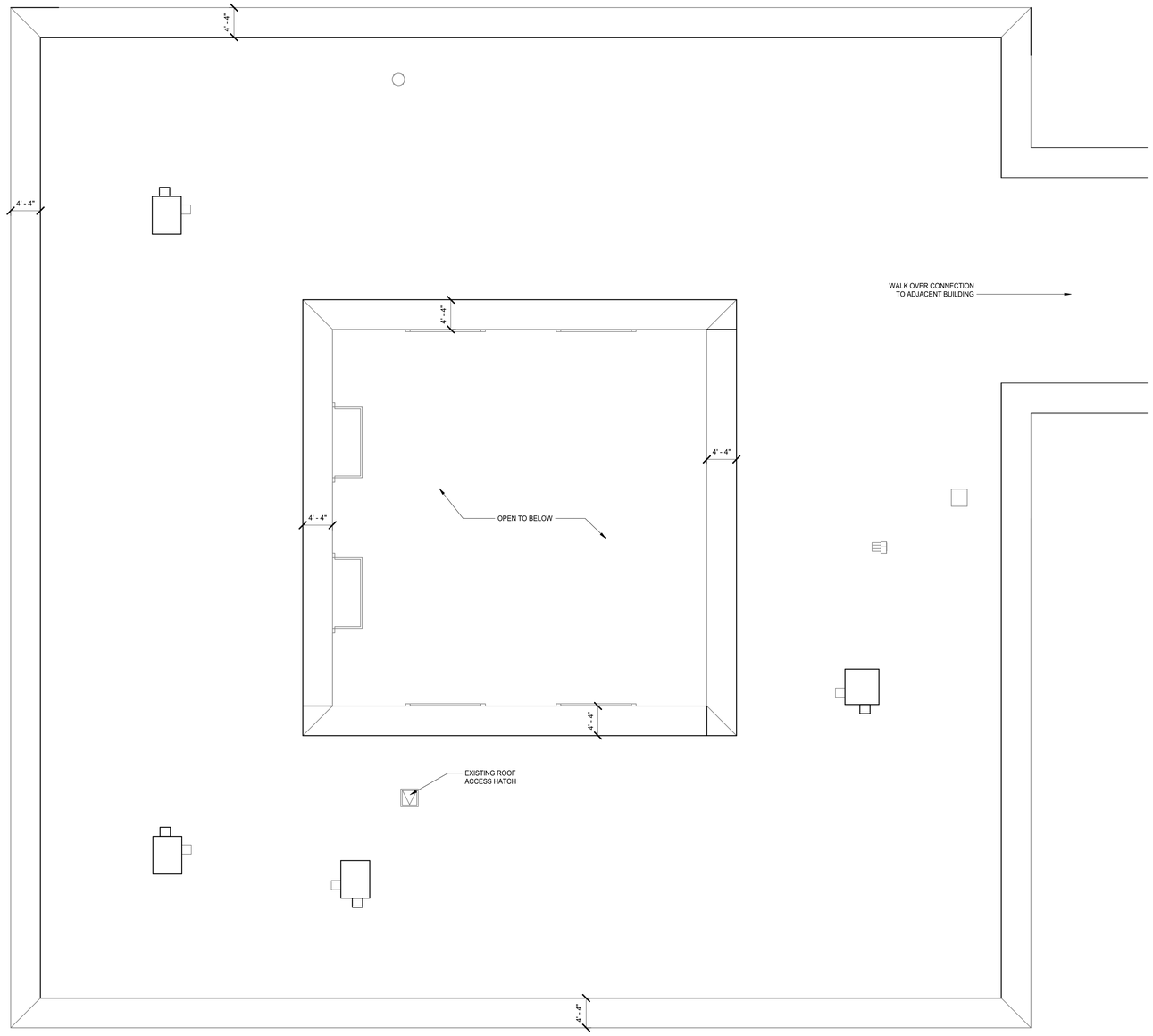
B. ROOF PLAN DOES NOT INDICATE ALL EQUIPMENT AND PENETRATIONS. REFER TO OTHER DISCIPLINE'S DRAWINGS FOR QUANTITIES AND LOCATIONS OF ROOFTOP EQUIPMENT AND ASSOCIATED PENETRATIONS.

C. COORDINATE LOCATION AND SIZE OF ROOF OPENINGS AND ASSOCIATED PENETRATIONS WITH STRUCTURE.

D. ROOF DETAILS MAY NOT ENTIRELY REPRESENT ACTUAL CONSTRUCTION CONDITIONS. ACTUAL DETAIL ASSEMBLIES SHALL BE APPROVED BY ROOFING MANUFACTURER.

E. ROOF PLAN DOES NOT INDICATE ALL EXISTING ROOFING DETAILS (INCLUDING BUT NOT LIMITED TO ROOF DRAINS; VTR; CURBS; EXPANSION JOINTS; ROOF HATCHES). PROVIDE MFR'S DETAILS AS REQUIRED TO SUIT SPECIFIC APPLICATION AND SPECIFICATIONS.

F. PROVIDE CRICKETS AT DRAINS, WALLS, CURBS, MECHANICAL EQUIPMENT, AND OTHER OBSTRUCTIONS SUCH THAT 1/4" PER FOOT MINIMUM POSITIVE DRAINAGE SLOPE IS MAINTAINED AT ALL SUCH AREAS.



N

EXISTING ROOF FLOOR PLAN
1/8" = 1'-0"

0' 2' 4' 8' 16'
1/8" = 1'-0"

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BRADLEY J LOCKWOOD REGISTERED ARCHITECT 14206 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS
SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

ROOF PLAN

A10.1

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J I H G F E D C B A

1 2 3 4 5 6 7 8 9 10

ABBREVIATIONS

@	AT	EQUIP	EQUIPMENT	OD	OUTSIDE DIAMETER
AAV	AIR ADMITTANCE VALVE	ETR	EXISTING TO REMAIN	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
ABV	ABOVE	EWC	ELECTRIC WATER COOLER	OFF	OFFICE
ADJ	ADJUSTABLE	EWH	ELECTRIC WATER HEATER	OH	OVERHEAD
ADNL	ADDITIONAL	EX	EXISTING	OPNG	OPENING
AFF	ABOVE FINISHED FLOOR	EXP	EXPANSION	OPP	OPPOSITE
AFG	ABOVE FINISHED GRADE	FD	FLOOR DRAIN	OSD	OPEN SITE DRAIN
AHU	AIR HANDLING UNIT	FDC	FIRE DEPARTMENT CONNECTION	PC	PRECAST
ALT	ALTERNATE	FDN	FOUNDATION DRAIN	PCF	POUNDS PER CUBIT FOOT
ALUM	ALUMINUM	FF	FINISHED FLOOR	PD	PUMP DISCHARGE
AP	ACCESS PANEL	FFE	FINISHED FLOOR ELEVATION	PLUMB	PLUMBING
APPR	APPROXIMATE	FG	FINISHED GRADE	PLYWD	PLYWOOD
ARCH	ARCHITECTURAL	FH	FIRE HYDRANT	POLY	POLYETHYLENE
AUTO	AUTOMATIC	FHC	FIRE HOSE CABINET	PPT	PRESSURE PRESERVATIVE TREATED
AVG	AVERAGE	FHS	FIRE HOSE STATION	PREFAB	PREFABRICATE(D)
BFF	BELOW FINISHED FLOOR	FHVC	FIRE HOSE VALVE CABINET	PROJ	PROJECT
BFG	BELOW FINISHED GRADE	FIX	FIXTURE	PSF	POUNDS PER SQUARE FOOT
BLDG	BUILDING	FLR	FLOOR	PSI	POUNDS PER SQUARE INCH
BO	BOTTOM OF	FLSHG	FLASHING	PV	PROPANE VENT
BOT	BOTTOM	FOR	FUEL OIL RETURN	PVC	POLYVINYL CHLORIDE
BSMT	BASEMENT	FOS	FUEL OIL SUPPLY	PVMT	PAVEMENT
BTWN	BETWEEN	FOV	FUEL OIL VENT	R	RISER
CA	COMPRESSED AIR	FS	FLOOR SINK	RAD	RADIUS
CI	CAST IRON	FT	FOOT OR FEET	RD	ROOF DRAIN (BOTTOM OUTLET)
CIP	CAST-IN-PLACE CONCRETE	FVC	FIRE VALVE CABINET	RDS	ROOF DRAIN (SIDE OUTLET)
CL	CENTERLINE	G	NATURAL GAS	REF	REFERENCE
CLG	CEILING	GWH	GAS WATER HEATER	REQD	REQUIRED
CLR	CLEAR	HB	HOSE BIBB	REQMT	REQUIREMENTS
CMP	CORRUGATED METAL PIPE	HORIZ	HORIZONTAL	RL	RAIN LEADER
CNTR	COUNTER	HP	HORSEPOWER	RM	ROOM
CO	CLEANOUT	HTG	HEATING	RO	ROUGH OPENING
COL	COLUMN	HW	HOT WATER	S	SOUTH
CONC	CONCRETE	HWR	HOT WATER RETURN	SAN	SANITARY
CONDS	CONDENSATE	HWS	HOT WATER SUPPLY	SCH	SCHEDULE
CONSTR	CONSTRUCT(ION)	ID	INSIDE DIAMETER	SD	STORM DRAIN
CONT	CONTINUATION	IN	INCH	SDN	STORM DRAIN NOZZLE
CONTR	CONTRACT(-OR)	INSUL	INSULATE OR INSULATION	SHT	SHEET
CORR	CORRIDOR	INV	INVERT	SIM	SIMILAR
CP	CIRCULATING PUMP	JAN	JANITOR	SLT	SEALANT
CR	CLASSROOM	KIT	KITCHEN	SOG	SLAB ON GRADE
CT	COOLING TOWER	KW	KITCHEN WASTE	SP	SUMP PUMP
CU	COPPER	LAB	LABORATORY	SPEC	SPECIFICATION
CU FT	CUBIC FEET	LAV	LAVATORY	SPR	SPRINKLER
CU YD	CUBIC YARD	LBS	POUNDS	SQ	SQUARE
CW	COLD WATER	LF	LINEAR FOOT (FEET)	SRD	SECONDARY ROOF DRAIN
DB	DRY BULB	LP	PROPANE	SS	STAINLESS STEEL
DCW	DOMESTIC COLD WATER	LPV	PROPANE VENT	SSD	SECONDARY STORM DRAIN
DEMO	DEMOLISH OR DEMOLITION	MATL	MATERIAL	STD	STANDARD
DF	DRINKING FOUNTAIN	MAX	MAXIMUM	STL	STEEL
DHR	DOMESTIC HOT WATER RETURN	MECH	MECHANICAL	STOR	STORAGE
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MED	MEDIUM	STRUCT	STRUCTURAL
DHW	DOMESTIC HOT WATER	MFR	MANUFACTURER	SUSP	SUSPENDED
DHW(140)	DOMESTIC HOT WATER (140°)	MH	MANHOLE	THK	THICK(-NESS)
DI	DROP INLET	MIN	MINIMUM	TLT	TOILET
DIA	DIAMETER	MISC	MISCELLANEOUS	TOSL	TOP OF SLAB
DIP	DUCTILE IRON PIPE	MTD	MOUNTED	TW	DOMESTIC TEMPERED WATER (90° F)
DN	DOWN	N	NORTH	TYP	TYPICAL
DS	DOWNSPOUT	N/A	NOT APPLICABLE/AVAILABLE	UG	UNDERGROUND
DT	DRAIN TILE	NC	NORMALLY CLOSED	UNO	UNLESS NOTED (INDICATED) OTHERWISE
DTL	DETAIL	NG	NATURAL GAS	V	VENT
DTW	DOMESTIC TEMPERED WATER	NGV	NATURAL GAS VENT	VAC	VACUUM
DWG	DRAWING	NIC	NOT IN CONTRACT	VB	VACUUM BREAKER
E	EAST	NO	NORMALLY OPEN	VERT	VERTICAL
ELEC	ELECTRICAL	NO., (#)	NUMBER	VTR	VENT THROUGH ROOF
EPBD	ELECTRICAL PANELBOARD	NOM	NOMINAL	W	WEST
EQ	EQUAL	OC	ON CENTER	W/	WITH
				W/O	WITHOUT
				WB	WATER HAMMER ARRESTER
				WC	WATER CLOSET
				WSHP	WATER SOURCE HEAT PUMP
				WWF	WELDED WIRE FABRIC
				WWM	WELDED WIRE MESH
				XFMR	TRANSFORMER

GRAPHICS SYMBOLS LEGEND

- X" XXX — PIPE WITH SIZE AND SERVICE
- FLOW IN DIRECTION OF ARROW
- 1/8" FT — PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE
- PIPE CAP
- PIPE TURNED DOWN
- PIPE TURNED UP
- PIPE TEE UP
- PIPE TEE DOWN
- UNION
- CONCENTRIC PIPE REDUCTION
- CO — END OF LINE CLEANOUT PLUG
- CO — FLOOR CLEANOUT
- WCO — WALL CLEANOUT
- CO (GCO) — YARD CLEANOUT (CLEANOUT TO GRADE)
- FD-1 — FLOOR DRAIN WITH TAG
- FS-1 — FLOOR SINK WITH TAG
- PRESSURE GAUGE WITH GAUGE COCK
- LIQUID FILLED THERMOMETER
- A — WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE INSTITUTE SIZE INDICATED)
- FS — FLOW SWITCH
- TEMPERATURE/PRESSURE PLUG
- VALVE
- VALVE IN RISER
- GAS COCK
- VENTURI FLOW METER
- MANUAL BALANCING VALVE
- AUTOMATIC BALANCING VALVE WITH FLOW TAPS
- SWING CHECK VALVE
- PRESSURE REDUCING VALVE
- S — SOLENOID OPERATED VALVE
- T&P — TEMPERATURE AND PRESSURE RELIEF VALVE
- BACKWATER VALVE
- HOSE BIBB OR WALL HYDRANT
- REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
- DOUBLE CHECK BACKFLOW PREVENTER
- PUMP

- POINT OF CONNECTION TO EXISTING
- LIMIT OF DEMOLITION
- 30 — KEYNOTE
- 8 — STRUCTURAL GRID LINE WITH DESIGNATION
- A123 — **SPACE IDENTIFICATION TAG**: SPACE NUMBER; BUILDING AREA (WHEN USED)
- AHU-02 — **EQUIPMENT IDENTIFICATION TAG**: EQUIPMENT NUMBER; UNIT DESIGNATION
- **SECTION WHERE CUT**: A / P6.1 — SECTION LETTER; DRAWING WHERE SECTION IS INDICATED
- **ENLARGED PLAN WHERE CUT**: 1 / P6.1 — ENLARGED PLAN NUMBER; DRAWING WHERE ENALRGED PLAN IS INDICATED
- **DETAIL TAG**: 1 / P6.1 — DETAIL NUMBER; DRAWING WHERE DETAIL IS INDICATED
- **SANITARY RISER TAG**: S1 / P6.1 — SANITARY RISER IDENTIFIER; DRAWING WHERE SANITARY RISER IS TAGGED
- **DOMESTIC RISER TAG**: D1 / P6.1 — DOMESTIC RISER IDENTIFIER; DRAWING WHERE SANITARY RISER IS TAGGED

1 DETAIL TITLE
1/4"=1'-0" — P2.2, P2.3, P2.4 — P6.2
- DETAIL NUMBER
- DRAWING WHERE DETAIL IS INDICATED
- DRAWING WHERE DETAIL IS CUT
- ADDITIONAL DRAWING REFERENCES

S1 SANITARY RISER DIAGRAM
1/4"=1'-0" — P2.2, P2.3, P2.4 — P4.2
- SANITARY RISER DIAGRAM IDENTIFIER
- DRAWING WHERE SANITARY RISER IS INDICATED
- DRAWING WHERE SANITARY RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

D1 DOMESTIC RISER DIAGRAM
1/4"=1'-0" — P2.2, P2.3, P2.4 — P5.2
- DOMESTIC RISER DIAGRAM IDENTIFIER
- DRAWING WHERE DOMESTIC RISER IS INDICATED
- DRAWING WHERE DOMESTIC RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

G1 FUEL GAS RISER DIAGRAM
1/4"=1'-0" — P2.2, P2.3, P2.4 — P5.2
- FUEL GAS RISER DIAGRAM IDENTIFIER
- DRAWING WHERE FUEL GAS RISER IS INDICATED
- DRAWING WHERE FUEL GAS RISER IS TAGGED
- ADDITIONAL DRAWING REFERENCES

PLUMBING FIXTURE SCHEDULE

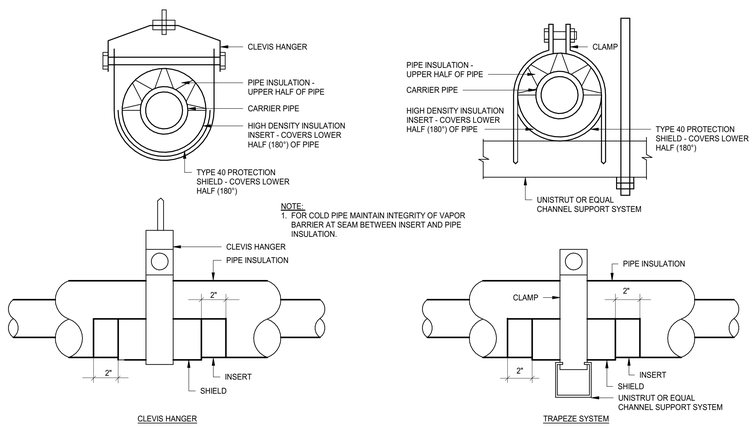
TAG	FIXTURE	HEIGHT A.F.F.	PIPE SIZE					LEED USAGE DATA	NOTES
			COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE		
SK-SC	SCIENCE ROOM SINK ROUGH-IN PIPING AND ACCESSORIES ONLY	INTEGRAL SINK: REFER TO ARCH DWGS	1/2"		1/2"	1-1/2"	1-1/2"		1, 2, 3, 4, 5

NOTES:
1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE VUSBC AND ASAD 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. PROVIDE ASSE 1070 CERTIFIED MIXING VALVE IN STAINLESS STEEL WALL CABINET ABOVE CEILING.
3. PROVIDE DISHWASHER HOOKUP WHERE DISHWASHER IS PRESENT, CONNECT HW IN SINK BASE AND CONNECT SANITARY THROUGH AIR GAP FITTING INTO DISHWASHER TAIL PIECE SINK DRAIN.
4. PROVIDE TRAP-TYPE ACID NEUTRALIZER EQUAL TO NT-1 FOR SCIENCE LAB SINKS AND SINKS OF SIMILAR FUNCTION.
5. REFER TO SPECIFICATION SECTION 123553.19 "WOOD LABORATORY CASEWORK" FOR SINK REQUIREMENTS.

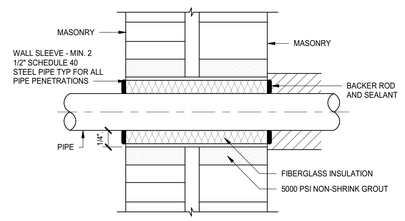
INTERCEPTOR AND SEPARATOR SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	OPERATING DATA			CONNECTION SIZE		NOTES
	MANUFACTURER	MODEL		FLOW (GPM)	TOTAL STORAGE VOLUME (GAL)	CONTAMINATE RETENTION VOLUME (GAL/LBS)	INLET (IN)	OUTLET (IN)	
NT-1	ZURN	Z9A-PHIX	AT FIXTURE (TRAP-STYLE)	N/A	N/A	N/A	1.50	1.50	1

1. PROVIDE ALL CHEMISTRY LABS, SCIENCE LABS, AND SIMILAR FUNCTIONING SINKS WITH NEUTRALIZATION TRAP IN LIEU OF P-TRAP.



PIPE SUPPORT AND THERMAL SHIELD DETAILS
NO SCALE



PIPE SLEEVE DETAIL
NO SCALE

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.

C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.

D. PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.

E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING FIXTURES.

F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.

G. INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.

H. PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
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LEGENDS, ABBREVIATIONS, GENERAL NOTES, SCHEDULES & DETAILS

P0.1

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GENERAL NOTES

1. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING FIELD CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION WORK. PROTECT ANY AND ALL EQUIPMENT, PIPING AND ACCESSORIES NOT BEING DEMOLISHED DURING DEMOLTION. PATCH AND REPAIR ANY DAMAGE TO CONDITIONS EQUAL TO OR BETTER THAN THE CONDITIONS PRIOR TO DEMOLITION.

KEYNOTES

APPLIES TO DRAWINGS P1.1
REPRESENTED BY [n]

1. REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPINGS, FITTINGS, AND ACCESSORIES COMPLETE WHERE APPLICABLE. SANITARY PIPES BELOW THE FLOOR THAT ARE NOT BEING RE-USED AS PART OF THE RENOVATION EFFORT SHALL BE CAPPED BELOW FLOOR. REMOVE ALL DOMESTIC WATER, SANITARY, AND VENT PIPES BACK TO WALL OR FLOOR. VALVE AND CAP OR PREPARE FOR NEW CONNECTIONS AS NEEDED.

N

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

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FIRST FLOOR DEMOLITION PLAN - PLUMBING

P1.1

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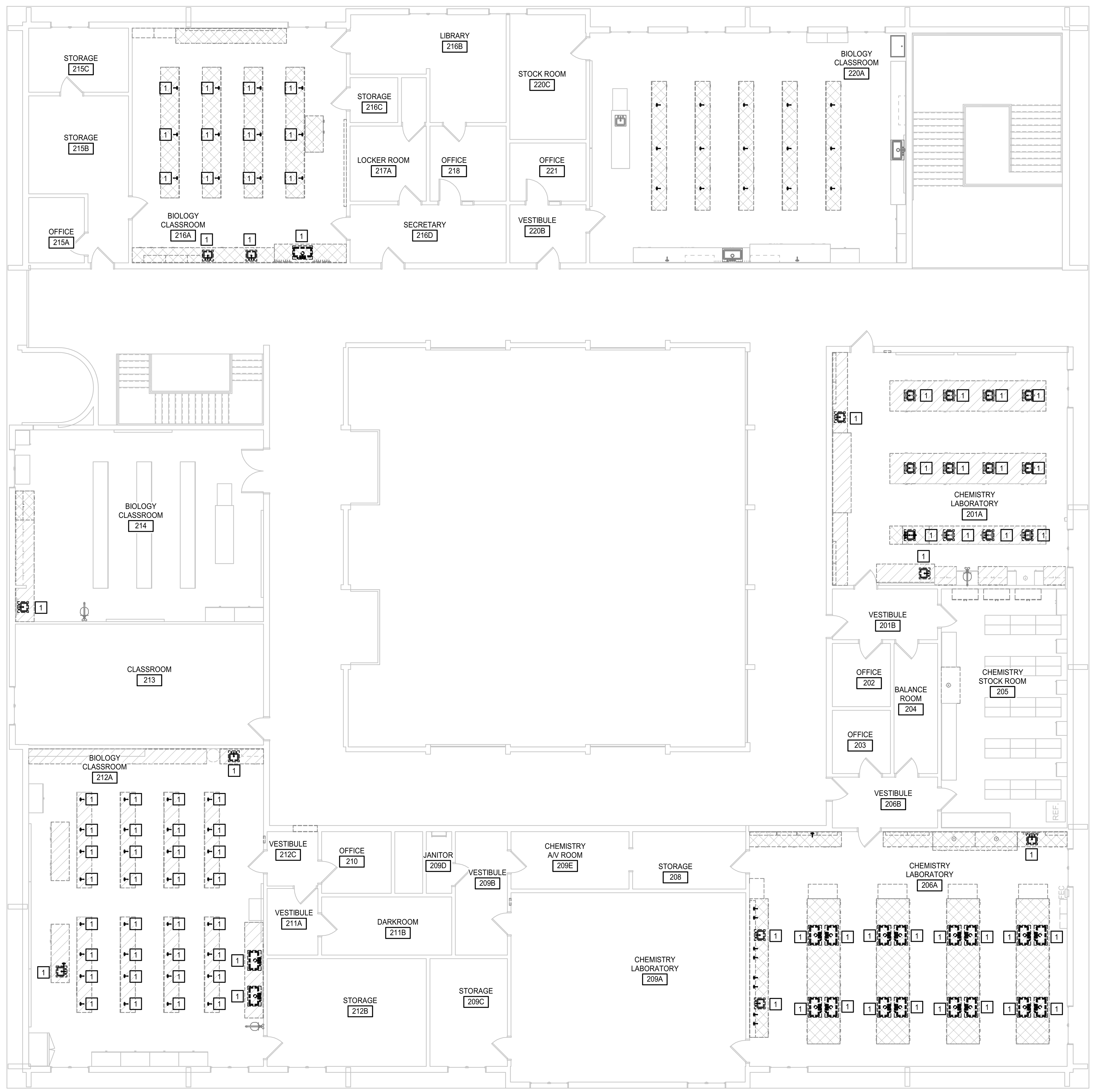
GENERAL NOTES

1. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING FIELD CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION WORK. PROTECT ANY AND ALL EQUIPMENT, PIPING AND ACCESSORIES NOT BEING DEMOLISHED DURING DEMOLTION. PATCH AND REPAIR ANY DAMAGE TO CONDITIONS EQUAL TO OR BETTER THAN THE CONDITIONS PRIOR TO DEMOLITION.

KEYNOTES

APPLIES TO DRAWINGS P1.2
REPRESENTED BY n

1. REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPINGS, FITTINGS, AND ACCESSORIES COMPLETE WHERE APPLICABLE. PIPES BELOW THE FLOOR THAT ARE NOT BEING RE-USED AS PART OF THE RENOVATION EFFORT SHALL BE REMOVED. REMOVE ALL DOMESTIC WATER, SANITARY, AND VENT PIPES BACK TO WALL OR FLOOR. VALVE AND CAP OR PREPARE FOR NEW CONNECTIONS AS NEEDED.



N

SECOND FLOOR DEMOLITION PLAN - PLUMBING
1/8" = 1'-0"

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SECOND FLOOR DEMOLITION PLAN - PLUMBING

P1.2

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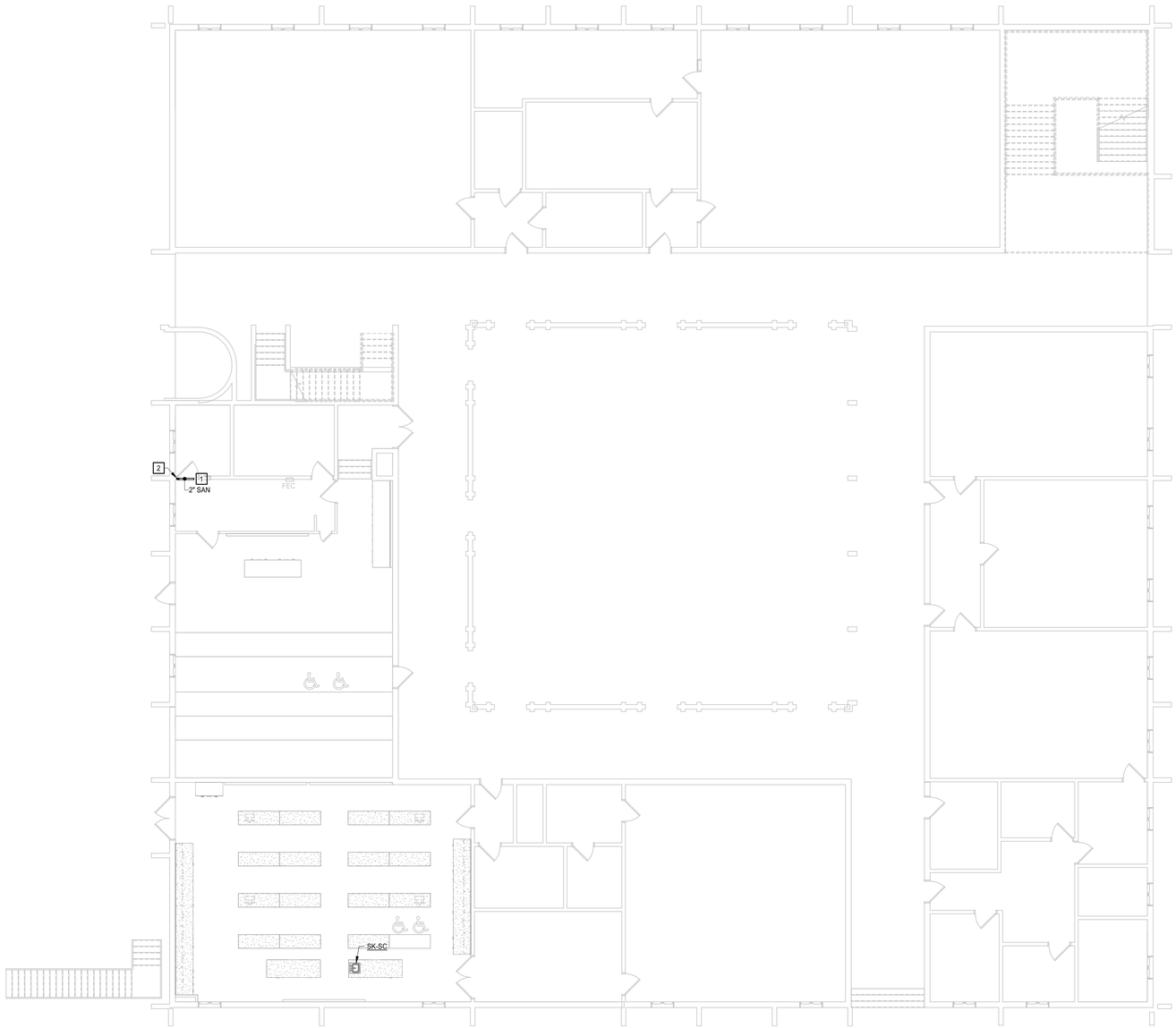
GENERAL NOTES

1. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING FIELD CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION WORK. PROTECT ANY AND ALL EQUIPMENT, PIPING AND ACCESSORIES NOT BEING DEMOLISHED DURING DEMOLTION. PATCH AND REPAIR ANY DAMAGE TO CONDITIONS EQUAL TO OR BETTER THAN THE CONDITIONS PRIOR TO DEMOLITION.
2. EXISTING FIXTURES BEING REPLACED IN KIND UTILIZING EXISTING UTILITIES.
3. REFER TO ALL PLANS, SCHEDULES, SPECIFICATIONS AND OTHER SUPPORTING DOCUMENTS FOR EXTENDS PRIOR TO DEMOLITION OR CONSTRUCTION.

KEYNOTES

APPLIES TO DRAWINGS P2.1
REPRESENTED BY: n

1. EXTEND ACID WASTE PIPING TO EXISTING ACID WASTE PIPING ABOVE CEILING AND CONNECT. VERIFY CONNECTION POINT TO EXISTING PIPING ABOVE CEILING IN FIELD AND CONNECT TO EXISTING ACID WASTE PIPING OF EQUAL OR GREATER DIAMETER.
2. 2"AW-UP TO SINK.



N

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

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FIRST FLOOR PLAN - PLUMBING

P2.1

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SECOND FLOOR PLAN - PLUMBING

1/8" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING FIELD CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION WORK. PROTECT ANY AND ALL EQUIPMENT, PIPING AND ACCESSORIES NOT BEING DEMOLISHED DURING DEMOLTION. PATCH AND REPAIR ANY DAMAGE TO CONDITIONS EQUAL TO OR BETTER THAN THE CONDITIONS PRIOR TO DEMOLITION.
2. EXISTING FIXTURES BEING REPLACED IN KIND UTILIZING EXISTING UTILITIES.
3. REFER TO ALL PLANS, SCHEDULES, SPECIFICATIONS AND OTHER SUPPORTING DOCUMENTS FOR EXTENDS PRIOR TO DEMOLITION OR CONSTRUCTION.

KEYNOTES

APPLIES TO DRAWINGS P2.2
REPRESENTED BY [n]

1. EXTEND VENT PIPING TO EXISTING VENT PIPING ABOVE CEILING AND CONNECT. VERIFY CONNECTION POINT TO EXISTING PIPING ABOVE CEILING IN FIELD AND CONNECT TO EXISTING VENT PIPING OF EQUAL OR GREATER DIAMETER. IN THE EVENT THAT EXISTING VENT PIPING ABOVE CEILING CANNOT BE LOCATED, AIR ADMITTANCE VALVES MAY BE USED AS AN ALTERNATIVE.
2. EXTEND DOMESTIC WATER PIPING IN CABINET BELOW SINK TO EXISTING PIPING MAINS BELOW FLOOR AND CONNECT. VERIFY EXACT CONNECTION POINT TO EXISTING PIPING BELOW FLOOR IN FIELD.
3. 2"V-DN TO 2"AW-DN.
4. 1/2"DCW & 1/2"DHW-DN.
5. EXISTING SINKS TO BE REPLACED IN KIND UTILIZING EXISTING PLUMBING UTILITY CONNECTIONS.

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER DAVID T WHATELY 2/13/23

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SECOND FLOOR PLAN - PLUMBING

P2.2

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EQUIPMENT IDENTIFICATION

AHU	AIR-HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BCU	BLOWER COIL UNIT
CCC	CLOSED-CIRCUIT COOLING TOWER
CH	CHILLER
CHWP	CHILLED WATER PUMP
CRAC	COMPUTER ROOM AIR CONDTIONER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
ECH	ELECTRIC CEILING HEATER
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EWH	ELECTRIC WALL HEATER
FCU	FAN COIL UNIT
HP	HEAT PUMP
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
MAU	MAKEUP AIR UNIT
OAU	OUTDOOR AIR UNIT
P	PUMP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PTHP	PACKAGED TERMINAL HEAT PUMP
RTU	ROOFTOP UNIT
SSI	SPLIT-SYSTEM INDOOR UNIT
SSO	SPLIT-SYSTEM OUTDOOR UNIT
TU	TERMINAL UNIT
UH	UNIT HEATER
WSHP	WATER-SOURCE HEAT PUMP

CONTROLS ABBREVIATIONS

AF	AIRFLOW
AI	ANALOG INPUT TO CONTROLLER
ALM	ALARM
AMS	AIRFLOW MEASURING STATION
AO	ANALOG OUTPUT FROM CONTROLLER
ATS	AVERAGING TEMPERATURE SENSOR
BAS	BUILDING AUTOMATION SYSTEM
BI	BINARY INPUT TO CONTROLLER
BO	BINARY OUTPUT FROM CONTROLLER
CO2	CARBON DIOXIDE SENSOR
CSR	CURRENT-SENSING RELAY
DM	DAMPER MOTOR
DP	DIFFERENTIAL PRESSURE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FM	FLOW METER
FZ	FREEZESTAT
HS	HUMIDITY SENSOR
POS	POSITION
R	RELAY
SD	SMOKE DETECTOR
SPD	SPEED
SS	START/STOP
STS	STATUS
TS	TEMPERATURE SENSOR
VFD	VARIABLE-FREQUENCY DRIVE

ABBREVIATIONS

A	AMPERE(S)
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
COM	COMMON
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB TEMPERATURE
dBA	A-WEIGHTED DECIBELS
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FPM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
IPLV	INTEGRATED PART-LOAD VALUE
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR-OPERATED DAMPER
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WATT(S)
W	WITH
W/O	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WWM	WELDED WIRE MESH

GRAPHICS SYMBOLS LEGEND

- A123 — **SPACE IDENTIFICATION TAG**: SPACE NUMBER; BUILDING AREA (WHEN USED)
- AHU-12 — **EQUIPMENT IDENTIFICATION TAG**: EQUIPMENT NUMBER; UNIT DESIGNATION
- S1 / 325 — **DIFFUSER, GRILLE OR REGISTER TAG**: TAG, REFER TO DIFFUSER, GRILLE AND REGISTER SCHEDULE; AIRFLOW (CFM)
- 1 / M5.1 — **DETAIL TAG**: DETAIL NUMBER; DRAWING WHERE DETAIL IS INDICATED
- 15 — KEYNOTE
- C — STRUCTURAL GRID LINE WITH DESIGNATION
- EXISTING TO BE REMOVED
- 1 / M2.2 / M2.3 / M2.4 / M5.1 — **DETAIL TITLE** 1/4"=1'-0"; DETAIL NUMBER; DRAWING WHERE DETAIL IS INDICATED; DRAWING WHERE DETAIL IS REFERENCED; ADDITIONAL DRAWING REFERENCES
- 1 / M2.2 / M2.3 / M2.4 / M4.1 — **SECTION TITLE** 1/4"=1'-0"; SECTION NUMBER; DRAWING WHERE SECTION IS INDICATED; DRAWING WHERE SECTION IS REFERENCED; ADDITIONAL DRAWING REFERENCES
- 1 / M4.1 — **SECTION CALLOUT**: SECTION NUMBER; DRAWING WHERE SECTION IS INDICATED
- 1 / M3.1 — **ENLARGED PLAN CALLOUT**: ENLARGED PLAN NUMBER; DRAWING WHERE ENLARGED PLAN IS INDICATED
- MECHANICAL EQUIPMENT WITH REQUIRED SERVICE CLEARANCE INDICATED

DUCTWORK LEGEND

- 18x6 — RECTANGULAR DUCT (FIRST DIMENSION REFERS TO SIDE VIEWED)
- 18ø — ROUND DUCT SIZE
- 18/12 — FLAT OVAL DUCT SIZE
- 18ø — DOUBLE WALL, EXPOSED DUCT
- 18ø — FABRIC DUCT
- FLEXIBLE DUCTWORK
- FLEXIBLE CONNECTOR
- SD — DUCT-MOUNTED SMOKE DETECTOR
- DUCT WITH DUCT LINER
- DUCT ACCESS DOOR
- DUCT WITH END CAP
- LINEAR SLOT DIFFUSER, LENGTH AS INDICATED
- LINEAR BAR GRILLE, LENGTH AS INDICATED
- SUPPLY DIFFUSER
- RETURN OR EXHAUST GRILLE
- SUPPLY DIFFUSER WITH DIRECTIONAL BLOW, SOLID HATCH INDICATES BLANK OFF PANEL
- POINT OF CONNECTION TO EXISTING
- LIMIT OF DEMOLITION
- SUPPLY AIRFLOW ARROW
- RETURN OR EXHAUST AIRFLOW ARROW
- MANUAL BALANCING DAMPER IN DUCT
- FIRE DAMPER IN DUCT
- SMOKE DAMPER IN DUCT
- COMBINATION FIRE/SMOKE DAMPER IN DUCT
- M — MOTORIZED DAMPER IN DUCT
- SMOKE CONTROL MANUAL BALANCING DAMPER IN DUCT
- M — SMOKE CONTROL MOTORIZED DAMPER IN DUCT
- SB — SECURITY BARS IN DUCT
- AP — DUCT WITH ACCESS PANEL
- TO / AWAY — SUPPLY/MAKEUP AIR DUCT SECTIONS
- TO / AWAY — RETURN AIR DUCT SECTIONS
- TO / AWAY — EXHAUST AIR DUCT SECTIONS
- SD — SMOKE DETECTOR
- H — HUMIDITY SENSOR
- T — THERMOSTAT, LINE VOLTAGE
- T — THERMOSTAT, LOW VOLTAGE
- S — TEMPERATURE SENSOR
- C — CARBON DIOXIDE SENSOR
- CM — CARBON MONOXIDE SENSOR
- SENSOR WELL
- UC — DOOR UNDERCUT
- DL — DOOR LOUVER

PIPING LEGEND

- PIPE CAP
- PIPE TURNED DOWN
- PIPE TURNED UP
- PIPE TEE UP
- PIPE TEE DOWN
- CO — END OF LINE CLEANOUT PLUG
- CO — CLEANOUT PLUG
- PRESSURE GAUGE WITH GAUGE COCK
- T — LIQUID FILLED THERMOMETER
- UNION
- STRAINER WITH BLOWDOWN VALVE AND 3/4" HOSE END CONNECTION
- FLEXIBLE PIPE CONNECTOR
- MA — MANUAL AIR VENT
- VALVE
- VALVE IN RISER
- MANUAL BALANCING VALVE WITH FLOW TAPS
- AUTOMATIC BALANCING VALVE WITH FLOW TAPS
- SWING CHECK VALVE
- PRESSURE REDUCING VALVE
- TRIPLE DUTY VALVE
- GAS COCK
- P — PRESSURE-RELIEF VALVE
- M — TWO-WAY CONTROL VALVE
- M — THREE-WAY CONTROL VALVE
- DIRECTION OF FLOW
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITIVELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.

C. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.

D. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.

E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.

F. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.

G. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.

H. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.

I. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND VALVE OPERATORS SHALL BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REPLACEMENT.

J. SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

K. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.

L. FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.

M. ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.

N. BRANCH PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" DIAMETER UNLESS INDICATED OTHERWISE.

O. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

LIFE SAFETY SYMBOL LEGEND

DESIGNATOR MATRIX

	WALL	BARRIER	PARTITION	RATED BEARING OR NON-BEARING WALL
2 HR FIRE				
1 HR FIRE				

NOTES:
1. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION.
2. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.
3. RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.
4. DESIGNATIONS INDICATED IN GREY TONE ON THE LIFE SAFETY PLANS ARE EXISTING AND BASED OFF OF INFORMATION PROVIDED BY OWNER. NOTIFY ARCHITECT IF FEILD CONDITIONS VARY.

CONTROL SYSTEM SYMBOLS

- CIRCULATOR OR PUMP
- MOTORIZED 2-WAY VALVE
- MOTORIZED 3-WAY VALVE
- VFD — VARIABLE FREQUENCY DRIVE
- DDC — DIRECT DIGITAL CONTROLLER
- T — THERMOSTAT
- FZ — FREEZESTAT
- C — CONTACTOR
- R — RELAY
- S — SPACE TEMPERATURE SENSOR
- T — LINE VOLTAGE THERMOSTAT
- HAND-OFF-AUTOMATIC SWITCH
- SD — DUCT-MOUNTED SMOKE DETECTOR
- TRANSFORMER
- FUSE
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- WIRING OR DEVICE PROVIDED UNDER DIVISION 23
- WIRING OR DEVICE NOT PROVIDED UNDER DIVISION 23
- WIRING CONNECTION BY DIVISION 23
- WIRING CONNECTION BY OTHERS
- NUMBER OF CONDUCTORS INDICATED BY SLASH MARKS
- MOTORIZED PARALLEL BLADE DAMPER
- MOTORIZED OPPOSED BLADE DAMPER
- MOTORIZED BUTTERFLY BLADE DAMPER
- SUPPLY, RETURN, OR EXHAUST FAN
- AIRFLOW DIRECTION
- AI / TS — CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (AIR TEMPERATURE SENSOR)
- AI / TS — CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (AIR TEMPERATURE SENSOR WITH AVERAGING ELEMENT)
- AI / TS — CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (WATER TEMPERATURE SENSOR WITH BULB TYPE ELEMENT IN PIPING WELL)
- AI / CSR — CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (CURRENT SENSING RELAY)

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRITNEY T WHITE 2/10/23

MOSELEY ARCHITECTS, P.C. ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

LEGENDS, ABBREVIATIONS AND GENERAL NOTES

M0.1

2/10/2023 8:02:32 AM

AIR HANDLING UNIT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	SUPPLY FAN						OUTSIDE AIR	HYRONIC COOLING COIL									HYDRONIC HEATING COIL								ELECTRICAL DATA					NOTES
			DESIGN AIRFLOW (CFM)	ESP (IN WC)	FAN WHEEL DIAMETER (IN)	FAN WHEEL TYPE	FAN SPEED (RPM)	MOTOR SIZE (HP)	DESIGN AIRFLOW (CFM)	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	EAT (°F DB)	EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	EWT (°F)	LWT (°F)	WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT WC)	AIRFLOW (CFM)	SENSIBLE CAPACITY (BTUH)	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	WATER FLOW RATE (GPM)	WATER PRESSURE DROP (FT WC)	SINGLE-POINT DATA UNIT FLA (A)	UNIT MCA (A)	UNIT MOCP (A)	SERVICE (V)	SERVICE (PH)	SERVICE (HZ)	WEIGHT (LBS)	
AHU-7A	DAIKIN	CAH008	3,400	0.50	15	FC	522	2	705	128,475	86,853	79.9	67.8	56.5	55.9	45	55	21.0	4.9	3,400	123,123	58.6	91.7	180	160	13.0	2.7	7.8	9.8	15.0	208	3	60	960	2
AHU-7B	DAIKIN	CAH008	3,000	0.50	12	FC	1158	2	615	112,229	75,887	79.8	67.8	56.7	56.0	45	55	18.0	4.4	1,400	60,340	18.7	58.1	180	160	8.0	0.5	7.8	9.8	15.0	208	3	60	1,390	1
AHU-8	DAIKIN	CAH010	4,100	0.50	12	FC	1193	3	1,300	158,624	103,981	80.1	68.2	56.9	56.2	45	55	28.0	6.2	1,200	53,921	18.7	59.8	180	160	8.0	0.4	11.0	13.8	20.0	208	3	60	1,600	1
AHU-9	DAIKIN	CAH008	2,860	0.50	12	FC	676	2	935	110,727	80,921	82.1	67.9	56.2	55.6	45	55	18.0	3.1	2,860	122,131	52.6	91.7	180	160	13.0	2.7	7.8	9.8	15.0	208	3	60	1,352	2
AHU-10	DAIKIN	CAH008	4,320	0.50	12	FC	870	3	1,190	177,121	110,290	80.0	68.8	56.7	56.0	45	55	30.0	7.1	4,320	184,636	52.0	91.1	180	160	20.0	5.0	11.0	13.8	20.0	208	3	60	1,352	2
AHU-11	TRANE	UCCA06	2,600	0.75	12	FC	1160	2	900	107,460	75,070	80.0	67.0	53.8	53.5	45	55	18.0	3.4	2,600	106,130	18.7	55.0	180	160	6.0	0.5	7.8	9.8	15.0	208	3	60	631	1
AHU-12	TRANE	UCCA12	5,000	0.75	12	FC	769	3	1,500	214,010	146,580	81.0	68.0	54.5	54.0	45	55	34.0	3.0	5,000	233,700	18.7	55.0	180	160	13.0	2.0	11.0	13.8	20.0	208	3	60	1,030	1
AHU-13A	TRANE	UCCA06	2,500	0.75	12	FC	1028	1.5	760	106,860	73,150	81.0	68.0	54.5	54.3	45	55	18.0	3.4	2,500	74,230	50.6	90.0	180	160	12.0	1.1	6.9	8.6	15.0	208	3	60	619	2
AHU-13B	TRANE	UCCA06	2,600	0.75	12	FC	1073	1.5	940	113,800	76,150	81.0	68.0	53.4	53.3	45	55	26.0	3.9	2,600	106,380	18.7	58.0	180	160	6.0	0.3	6.9	8.6	15.0	208	3	60	634	1
AHU-14	TRANE	UCCA12	5,000	0.75	12	FC	769	3	1,520	214,010	146,580	81.0	68.0	54.5	54.0	45	55	34.0	3.0	5,000	233,700	18.7	61.8	180	160	13.0	2.0	11.0	13.8	20.0	208	3	60	1,030	1

NOTES:
1. HOT WATER COIL SHALL BE IN THE PREHEAT POSITION.
2. HOT WATER COIL SHALL BE IN THE REHEAT POSITION.

ENERGY RECOVERY VENTILATOR SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	SERVING	SUPPLY FAN				EXHAUST FAN				ENTHALPY WHEEL												ELECTRICAL DATA					
				DESIGN AIRFLOW (CFM)	ESP (IN WC)	SPEED (RPM)	MOTOR SIZE (HP)	DESIGN AIRFLOW (CFM)	ESP (IN WC)	SPEED (RPM)	MOTOR SIZE (HP)	OUTDOOR AIR DESIGN AIRFLOW (CFM)	OUTDOOR AIR SUMMER EAT (°F DB)	OUTDOOR AIR SUMMER EAT (°F WB)	OUTDOOR AIR SUMMER LAT (°F DB)	OUTDOOR AIR SUMMER LAT (°F WB)	OUTDOOR AIR WINTER EAT (°F DB)	OUTDOOR AIR WINTER EAT (°F WB)	OUTDOOR AIR WINTER LAT (°F DB)	OUTDOOR AIR WINTER LAT (°F WB)	EXHAUST AIR DESIGN AIRFLOW (CFM)	EXHAUST AIR SUMMER EAT (°F DB)	EXHAUST AIR SUMMER EAT (°F WB)	EXHAUST AIR SUMMER LAT (°F DB)	EXHAUST AIR SUMMER LAT (°F WB)	EXHAUST AIR WINTER EAT (°F DB)	EXHAUST AIR WINTER EAT (°F WB)	EXHAUST AIR WINTER LAT (°F DB)	EXHAUST AIR WINTER LAT (°F WB)	MCA (A)	MOCP (A)	SERVICE (V)	SERVICE (PH)	SERVICE (HZ)	WEIGHT (LBS)
ERV-1	GREENHECK	ERV-20-15L	AHU-11	900	0.75	1181	1/2	800	0.75	1110	1/2	900	95.2	75.4	79.4	66.9	18.7	15.5	59.2	47.8	800	75.0	62.5	92.5	73.7	72.0	55.7	25.6	22.8	3.0	15	480	3	60	796
ERV-2	GREENHECK	ERVe-20-15L	AHU-12	1,500	0.50	1326	3/4	1,440	0.50	1258	3/4	1,500	95.2	75.4	79.3	67.0	18.7	15.5	59.6	47.7	1,440	75.0	62.5	91.4	73.0	72.0	55.7	28.2	25.6	4.1	15	480	3	60	946
ERV-3	GREENHECK	ERVe-20-15L	AHU-13A & 13B	1,700	0.50	1338	1	1,540	0.50	1204	1	1,700	95.2	75.4	80.7	67.1	18.7	15.5	55.7	45.0	1,560	75.0	62.5	90.5	72.3	72.0	55.7	30.8	28.0	4.7	15	480	3	60	897
ERV-4	GREENHECK	ERVe-20-15L	AHU-14	1,520	0.50	1250	3/4	1,420	0.50	1146	3/4	1,520	95.2	75.4	80.2	66.8	18.7	15.5	56.9	45.9	1,420	75.0	62.5	90.7	72.5	72.0	55.7	30.2	27.4	4.1	15	480	3	60	897

FAN SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	SERVING	TYPE	AIRFLOW (CFM)	ESP (IN WC)	FAN WHEEL (RPM)	DRIVE TYPE	SONES	CONTROL METHOD	MOTOR (HP)	ELECTRICAL DATA (V)	ELECTRICAL DATA (PH)	ELECTRICAL DATA (HZ)	WEIGHT (LBS)
EF-2	GREENHECK	VK-H-10-6	206A CHEMISTRY LAB	FUME HOOD EXHAUST FAN	675	0.50	2299	BELT	13.8	FUME HOOD SWITCH	1/2	120	1	60	313
EF-3	GREENHECK	VK-H-10-6	206A CHEMISTRY LAB	FUME HOOD EXHAUST FAN	675	0.50	2299	BELT	13.8	FUME HOOD SWITCH	1/2	120	1	60	313
EF-4	GREENHECK	VK-H-10-6	205 CHEMICAL STOCK ROOM	FUME HOOD EXHAUST FAN	675	0.50	2299	BELT	13.8	FUME HOOD SWITCH	1/2	120	1	60	313

GENERAL NOTES:
A. PROVIDE A MINIMUM 14'-0" EFFECTIVE PLUME HEIGHT WITH 15 MPH WIND SPEED. PROVIDE STACK EXTENSION AS REQUIRED.
B. PROVIDE A MINIMUM OUTLET VELOCITY OF 3,000 FPM.

TERMINAL UNIT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	AIR VALVE INLET DIAMETER (IN)	AIR VALVE MAXIMUM AIRFLOW (CFM)	AIR VALVE MINIMUM AIRFLOW (CFM)	AIR VALVE APD AT MAX AIR FLOW (IN-WC)	COIL DESIGN AIRFLOW (CFM)	COIL CAPACITY (MBH)	COIL EAT (°F)	COIL LAT (°F)	COIL EWT (°F)	COIL LWT (°F)	COIL FLOW RATE (GPM)	COIL FLUID PRESSURE DROP (FT WC)	COIL ROWS (NO)	WEIGHT (LBS)
TU-7B-1	PRICE	SDV	8	850	300	0.36	300	12,370	55	93.0	180	147.0	0.75	1.34	1	21
TU-7B-2	PRICE	SDV	10	910	300	0.18	300	14,730	55	100.3	180	140.7	0.75	1.85	1	30
TU-7B-3	PRICE	SDV	10	1,140	400	0.25	400	17,810	55	96.1	180	144.4	1.00	3.06	1	30
TU-8-1	PRICE	SDV	14	2,020	800	0.20	800	34,740	55	95.1	180	145.3	2.00	1.15	1	44
TU-8-2	PRICE	SDV	14	2,000	650	0.21	650	29,590	55	97.0	180	140.5	1.50	0.69	1	44
TU-11-1	PRICE	SDV	8	520	350	0.30	350	15,160	55	95.0	180	159.8	1.50	4.50	1	21
TU-11-2	PRICE	SDV	8	440	350	0.13	350	15,160	55	95.0	180	159.8	1.50	4.50	1	21
TU-11-3	PRICE	SDV	12	1,600	560	0.21	1,000	40,100	55	92.0	180	164.0	5.00	11.77	1	36
TU-12-1	PRICE	SDV	5	320	100	0.11	175	5,660	55	99.8	180	157.4	0.75	1.00	1	20
TU-12-2	PRICE	SDV	5	280	100	0.09	280	11,680	55	94.1	180	164.2	1.50	3.38	1	20
TU-12-3	PRICE	SDV	8	550	165	0.18	385	16,530	55	94.6	180	163.5	2.00	7.47	1	21
TU-12-4	PRICE	SDV	12	1,500	500	0.22	500	23,610	55	98.5	180	148.5	1.50	1.31	1	36
TU-12-5	PRICE	SDV	14	2,020	1,200	0.20	1,200	45,590	55	90.0	180	149.6	3.00	2.39	1	44
TU-13B-1	PRICE	SDV	10	999	350	0.20	350	16,810	55	99.3	180	146.4	1.00	3.05	1	30
TU-13B-2	PRICE	SDV	12	1,500	605	0.22	850	35,860	55	93.9	180	162.1	4.00	7.81	1	36
TU-14-1	PRICE	SDV	5	350	100	0.13	350	13,800	55	91.4	180	166.2	2.00	5.62	1	20
TU-14-2	PRICE	SDV	12	1,380	700	0.20	700	31,280	55	96.2	180	159.2	3.00	4.61	1	36
TU-14-3	PRICE	SDV	5	345	80	0.12	345	13,190	55	90.3	180	162.4	1.50	3.39	1	20
TU-14-4	PRICE	SDV	8	660	120	0.24	400	16,860	55	93.9	180	163.2	2.00	7.47	1	21
TU-14-5	PRICE	SDV	6	430	80	0.31	150	7,310	55	100.0	180	150.8	0.50	0.50	1	20
TU-14-6	PRICE	SDV	14	2,160	1,200	0.22	1,200	49,980	55	93.4	180	160.0	5.00	6.06	1	44

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER TIMOTHY WHITE 2/10/23

MOSELEY ARCHITECTS, P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS

DATE	DESCRIPTION

SCHEDULES

M0.2

2/10/2023 8:02:33 AM

Ventilation Sizing Summary for AHU 07A

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:18PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Heating operation
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 502 CFM
- System Ventilation Efficiency (Ev) 0.921
- Outdoor Air Intake (Vot) .... 545 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
101A Micro Computer Lab	1	980	670.0	0.12	17.0	10.00	0.8	313	250	0.946
103 Micro Computer Lab	1	915	680.0	0.12	17.0	10.00	0.8	315	252	0.921
Totals (incl. Space Multipliers)		1896							502	0.921

Ventilation Sizing Summary for AHU 07B

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:18PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Minimum flow (heating)
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 311 CFM
- System Ventilation Efficiency (Ev) 0.800
- Outdoor Air Intake (Vot) .... 389 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
104 Office	1	16	130.0	0.06	1.0	5.00	0.8	16	13	0.800
105 Office	1	13	85.0	0.06	1.0	5.00	0.8	13	10	0.800
109A Vestibule	1	16	215.0	0.06	0.0	0.00	0.8	16	13	0.800
Zone 2										
108 Office	1	15	120.0	0.06	1.0	5.00	0.8	15	12	0.800
107 Office	1	12	70.0	0.06	1.0	5.00	0.8	12	9	0.800
106 Office	1	15	120.0	0.06	1.0	5.00	0.8	15	12	0.800
Zone 3										
102 Classroom	1	302	512.0	0.12	18.0	10.00	0.8	302	241	0.800
Totals (incl. Space Multipliers)		389							311	0.800

Ventilation Sizing Summary for AHU 08

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:18PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Minimum flow (heating)
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 1034 CFM
- System Ventilation Efficiency (Ev) 0.800
- Outdoor Air Intake (Vot) .... 1293 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
112A Physics Lab	1	631	1370.0	0.12	34.0	10.00	0.8	631	504	0.800
110B Vestibule	1	7	95.0	0.06	0.0	0.00	0.8	7	6	0.800
112C Vestibule	1	4	50.0	0.06	0.0	0.00	0.8	4	3	0.800
111A Physics Prep Room	1	28	117.0	0.06	3.0	5.00	0.8	28	22	0.800
112B Storage	1	21	285.0	0.06	0.0	5.00	0.8	21	17	0.800
Zone 2										
110A Classroom	1	602	1015.0	0.12	36.0	10.00	0.8	602	482	0.800
Totals (incl. Space Multipliers)		1293							1034	0.800

Ventilation Sizing Summary for AHU 09

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:19PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Heating operation
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 706 CFM
- System Ventilation Efficiency (Ev) 0.856
- Outdoor Air Intake (Vot) .... 825 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
113B Projection Room	1	119	175.0	0.06	0.0	5.00	0.8	13	11	1.234
113E Storage	1	164	85.0	0.06	0.0	5.00	0.8	6	5	1.305
113 Lecture Room	1	1770	1260.0	0.06	82.0	7.50	0.8	863	691	0.856
Totals (incl. Space Multipliers)		2053							706	0.856

Ventilation Sizing Summary for AHU 10

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:10PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Heating operation
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 1189 CFM
- System Ventilation Efficiency (Ev) 0.854
- Outdoor Air Intake (Vot) .... 1393 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
115A Classroom	1	1488	1364.0	0.12	40.0	10.00	0.8	705	564	0.855
115B Vestibule	1	99	80.0	0.06	0.0	0.00	0.8	6	5	1.268
115D Office	1	97	115.0	0.06	1.0	5.00	0.8	15	12	1.175
116A Classroom	1	1489	1380.0	0.12	40.0	10.00	0.8	707	566	0.854
116B Storage	1	311	335.0	0.06	0.0	5.00	0.8	25	20	1.248
116C Storage	1	54	320.0	0.06	0.0	5.00	0.8	24	19	0.883
116D Vestibule	1	82	60.0	0.06	0.0	0.00	0.8	5	4	1.274
Totals (incl. Space Multipliers)		3621							1189	0.854

Ventilation Sizing Summary for AHU 11

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:19PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Minimum flow (heating)
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 595 CFM
- System Ventilation Efficiency (Ev) 0.800
- Outdoor Air Intake (Vot) .... 744 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
203 Office	1	12	70.0	0.06	1.0	5.00	0.8	12	9	0.800
204 Balance Room	1	62	110.0	0.18	3.0	10.00	0.8	62	50	0.800
205B Chem Stock Room	1	42	282.0	0.12	0.0	5.00	0.8	42	34	0.800
206B Vestibule	1	8	100.0	0.06	0.0	0.00	0.8	8	6	0.800
Zone 2										
205A Chem Stock Room	1	43	288.0	0.12	0.0	5.00	0.8	43	35	0.800
202 Office	1	12	70.0	0.06	1.0	5.00	0.8	12	9	0.800
201B Vestibule	1	8	100.0	0.06	0.0	0.00	0.8	8	6	0.800
Zone 3										
201A Chemistry Lab	1	558	1035.0	0.18	26.0	10.00	0.8	558	446	0.800
Totals (incl. Space Multipliers)		744							595	0.800

Ventilation Sizing Summary for AHU 12

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:20PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Minimum flow (heating)
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 1038 CFM
- System Ventilation Efficiency (Ev) 0.800
- Outdoor Air Intake (Vot) .... 1298 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
212C Vestibule	1	4	55.0	0.06	0.0	0.00	0.8	4	3	0.800
211A Vestibule	1	5	65.0	0.06	0.0	0.00	0.8	5	4	0.800
210 Office	1	12	80.0	0.06	1.0	5.00	0.8	12	10	0.800
211B Darkroom	1	11	145.0	0.06	0.0	5.00	0.8	11	9	0.800
Zone 2										
209E A/V Room/Chemistry	1	10	130.0	0.06	0.0	5.00	0.8	10	8	0.800
209B Vestibule	1	9	125.0	0.06	0.0	5.00	0.8	9	8	0.800
208 Storage	1	9	125.0	0.06	0.0	5.00	0.8	9	8	0.800
Zone 3										
209C Storage	1	12	160.0	0.06	0.0	5.00	0.8	12	10	0.800
212B Storage	1	24	325.0	0.06	0.0	5.00	0.8	24	20	0.800
Zone 4										
209A Chemistry Lab	1	453	845.0	0.18	21.0	10.00	0.8	453	362	0.800
Zone 5										
206A Chemistry Lab	1	748	1380.0	0.18	35.0	10.00	0.8	748	598	0.800
Totals (incl. Space Multipliers)		1298							1038	0.800

Ventilation Sizing Summary for AHU 13A

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:20PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Heating operation
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 605 CFM
- System Ventilation Efficiency (Ev) 1.000
- Outdoor Air Intake (Vot) .... 756 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
212A Biology Classroom	1	2064	1415.0	0.18	35.0	10.00	0.8	756	605	1.000
Totals (incl. Space Multipliers)		2064							605	1.000

Ventilation Sizing Summary for AHU 13B

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:21PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Minimum flow (heating)
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 750 CFM
- System Ventilation Efficiency (Ev) 0.800
- Outdoor Air Intake (Vot) .... 938 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
213 Classroom	1	336	570.0	0.12	20.0	10.00	0.8	336	268	0.800
Zone 2										
214 Biology Classroom	1	603	900.0	0.18	32.0	10.00	0.8	603	482	0.800
Totals (incl. Space Multipliers)		938							750	0.800

Ventilation Sizing Summary for AHU 14

Project Name: 612392 - SCC Meyer Hall Loads — 09/22/2022
Prepared by: Moseley — 10:22PM

1. Summary

- Ventilation Sizing Method .... ASHRAE Std 62.1-2010
- Design Condition .... Minimum flow (heating)
- Occupant Diversity (D) 1.000
- Uncorrected Outdoor Air Intake (Vou) .... 1214 CFM
- System Ventilation Efficiency (Ev) 0.800
- Outdoor Air Intake (Vot) .... 1517 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (ft²) (Az)	Area Outdoor Air Rate (CFM/ft²) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1										
215A Office	1	12	70.0	0.06	1.0	5.00	0.8	12	9	0.800
215B Storage	1	18	240.0	0.06	0.0	5.00	0.8	18	14	0.800
215C Storage	1	9	120.0	0.06	0.0	5.00	0.8	9	7	0.800
Zone 2										
216A Biology Classroom	1	615	955.0	0.18	32.0	10.00	0.8	615	492	0.800
Zone 3										
216D Secretary	1	19	175.0	0.06	1.0	5.00	0.8	19	15	0.800
220B Vestibule	1	6	85.0	0.06	0.0	0.00	0.8	6	5	0.800
Zone 4										
216B Library	1	49	245.0	0.12	2.0	5.00	0.8	49	39	0.800
220C Stock Room	1	14	180.0	0.06	0.0	5.00	0.8	14	11	0.800
Zone 5										
221 Office	1	13	85.0	0.06	1.0	5.00	0.8	13	10	0.800
218 Office	1	15	110.0	0.06	1.0	5.00	0.8	15	12	0.800
217A Locker Room	1	0	110.0	0.00	0.0	0.00	0.8	0	0	0.800
Zone 6										
220A Biology Classroom	1	748	1380.0	0.18	35.0	10.00	0.8	748	598	0.800
Totals (incl. Space Multipliers)		1517							1214	0.800

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 043951 DAVID T WHATLEY

MOSELEY ARCHITECTS C-3469 RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO.	612392
DATE	FEBRUARY 13, 2023
REVISIONS	
DATE	DESCRIPTION

VENTILATION SCHEDULES

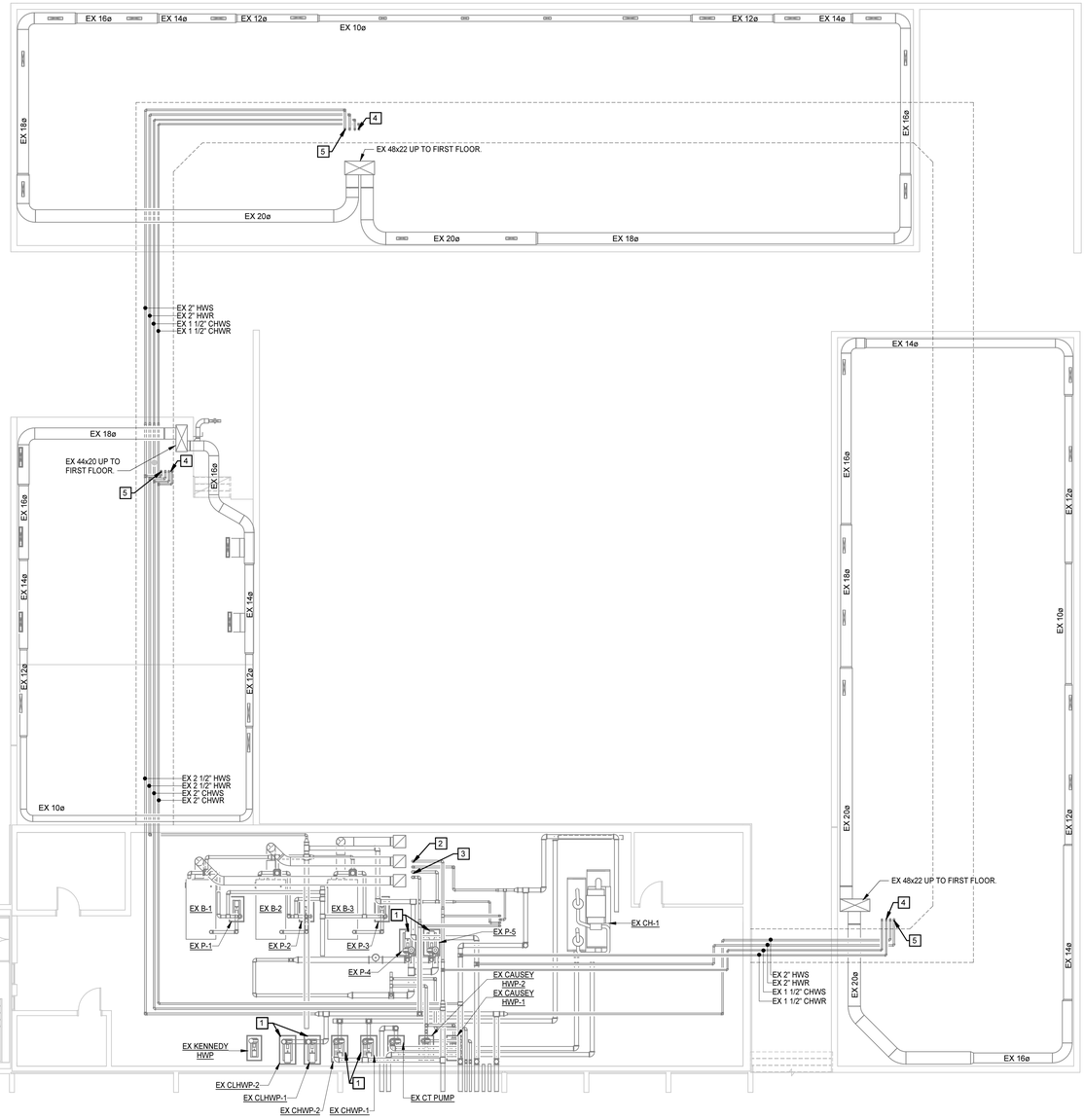
M0.3

2/10/2023 8:02:33 AM

KEYNOTES

APPLIES TO THIS DRAWING

1. PERFORM PRE-CONSTRUCTION TESTING FOR PUMP PRIOR TO ANY DEMOLITION WORK. REFER TO SPECIFICATION SECTION 014520 FOR REQUIREMENTS.
2. EX 2-1/2" CHWS & CHWR UP TO FIRST FLOOR.
3. EX 3" HWS & HWR UP TO FIRST FLOOR.
4. EX 1-1/2" CHWS & CHWR UP TO FIRST FLOOR.
5. EX 2" HWS & HWR UP TO FIRST FLOOR.



N

BASEMENT DEMOLITION PLAN

1/8" = 1'-0"

MOSELEYARCHITECTS

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER PATRICK T WHITE 2/10/23

MOSELEY ARCHITECTS, P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

BASEMENT DEMOLITION PLAN

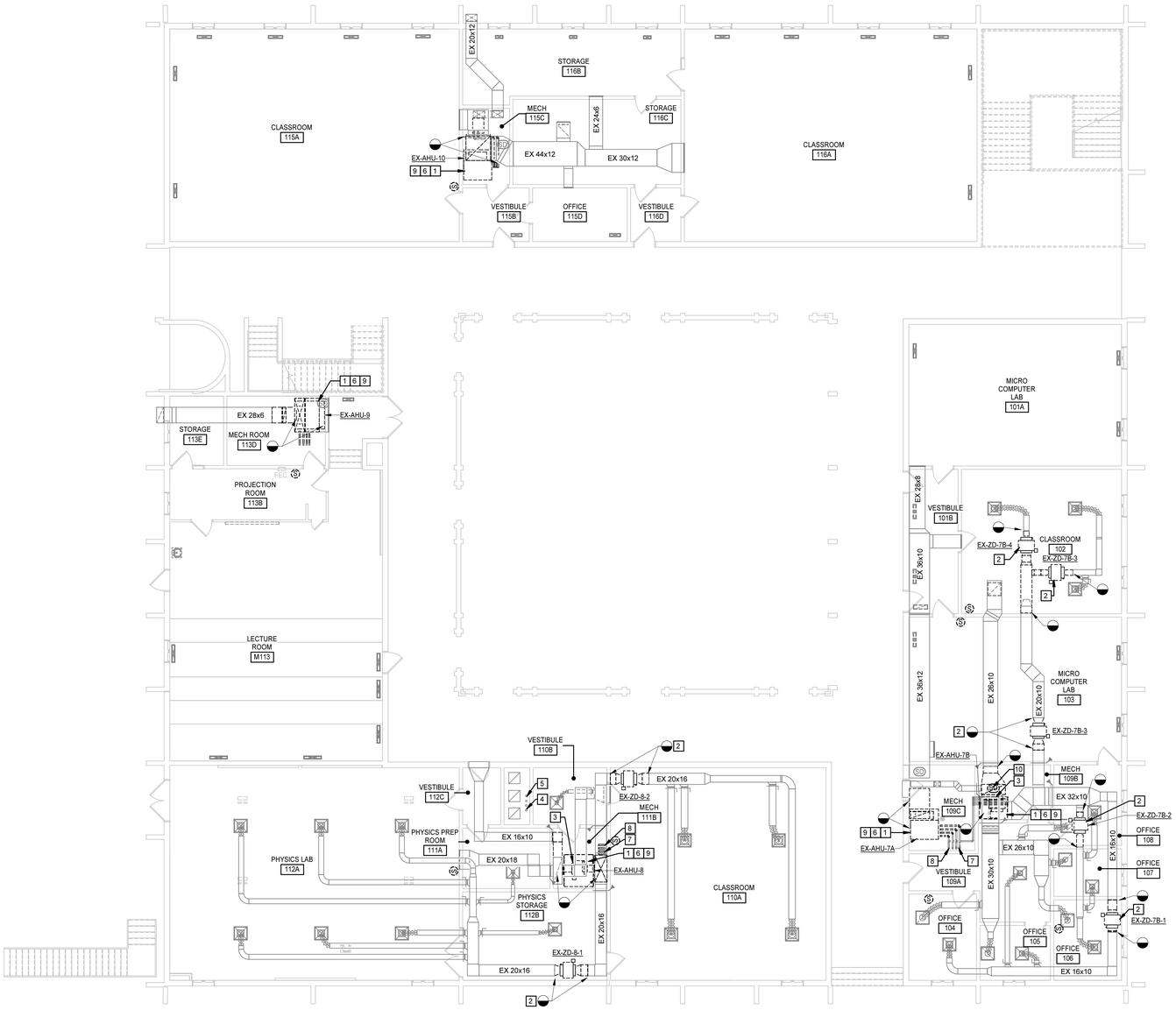
M1.0

2/10/2023 8:02:35 AM

KEYNOTES

APPLIES TO THIS DRAWING

1. REMOVE EXISTING AIR HANDLING UNIT AND ALL ACCESSORIES AND CONTROLS. REMOVE PIPING AND DUCTWORK AS REQUIRED FOR DEMOLITION OF UNIT.
2. REMOVE EXISTING ZONE DAMPER AND ASSOCIATED CONTROLS. REMOVE DUCTWORK AS REQUIRED FOR DEMOLITION OF UNIT.
3. REMOVE EXISTING BYPASS ZONE DAMPER, ASSOCIATED DUCTWORK, AND ASSOCIATED CONTROLS.
4. EX 3" HWS & HWR DOWN TO BASEMENT AND UP TO SECOND FLOOR.
5. EX 2-1/2" CHWS & CHWR DOWN TO BASEMENT AND UP TO SECOND FLOOR.
6. PERFORM PRE-CONSTRUCTION TESTING FOR AIR HANDLING UNIT PRIOR TO ANY DEMOLITION WORK. REFER TO SPECIFICATION SECTION 014520 FOR REQUIREMENTS.
7. EX 2" HWS & HWR DOWN TO BASEMENT.
8. EX 1-1/2" CHWS & CHWR DOWN TO BASEMENT.
9. REMOVE EXISTING REME HALO UV LIGHT AND STORE FOR RE-INSTALLATION.
10. REMOVE EXISTING DUCT SMOKE DETECTOR AND STORE FOR RE-INSTALLATION.



N

FIRST FLOOR DEMOLITION PLAN

1/8" = 1'-0"

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NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 043951 ENGINEER BRITTON T WHITE 2/10/23

MOSELEY ARCHITECTS, P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

FIRST FLOOR DEMOLITION PLAN

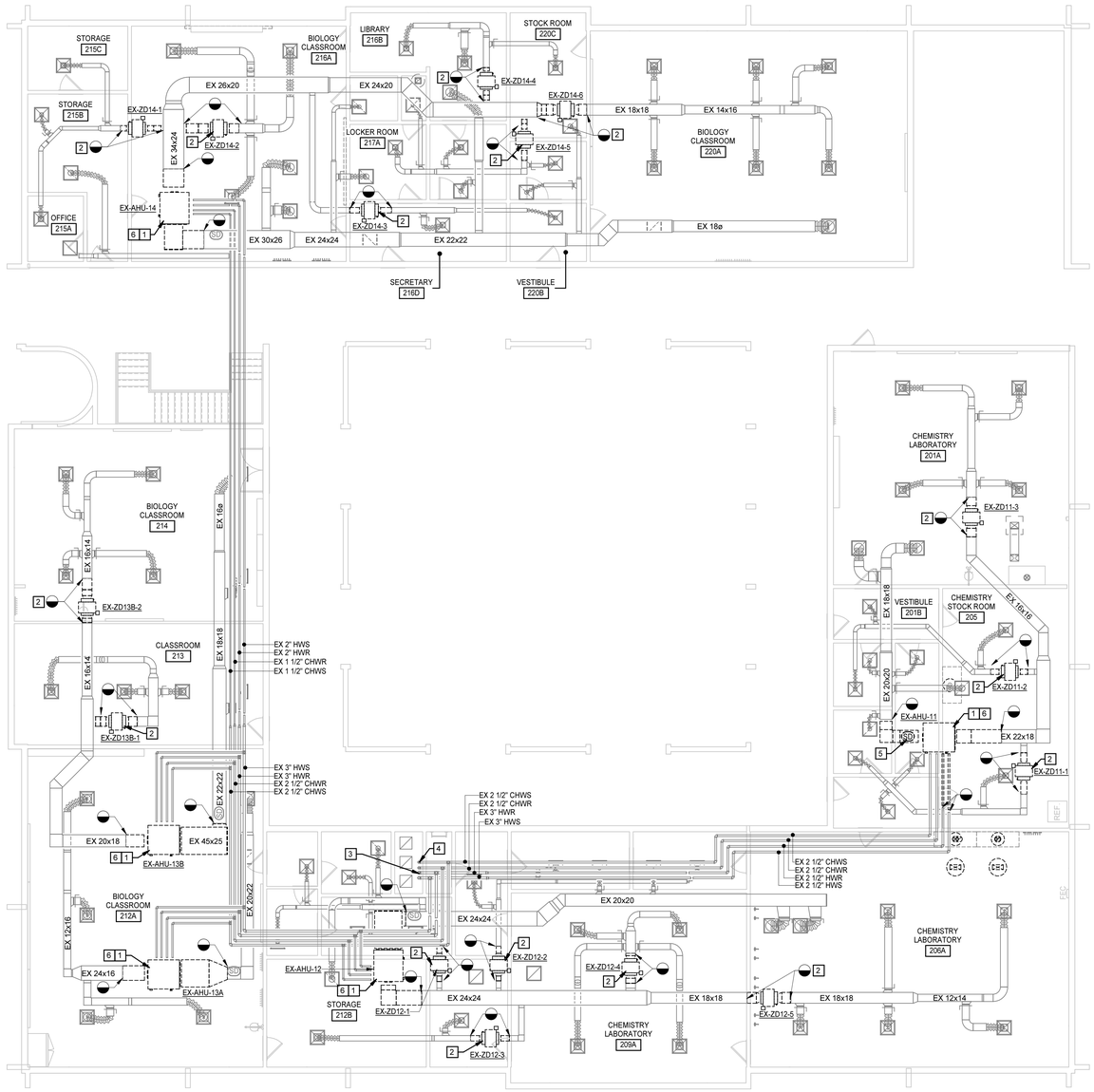
M1.1

2/10/2023 8:02:36 AM

KEYNOTES

APPLIES TO THIS DRAWING

1. REMOVE EXISTING AIR HANDLING UNIT AND ALL ACCESSORIES AND CONTROLS. REMOVE PIPING AND DUCTWORK AS REQUIRED FOR DEMOLITION OF UNIT.
2. REMOVE EXISTING ZONE DAMPER AND ASSOCIATED CONTROLS. REMOVE DUCTWORK AS REQUIRED FOR DEMOLITION OF UNIT.
3. EX 3" HWS & HWR DOWN TO FIRST FLOOR.
4. EX 2-1/2" CHWS & CHWR DOWN TO FIRST FLOOR.
5. REMOVE EXISTING DUCT SMOKE DETECTOR AND STORE FOR RE-INSTALLATION.
6. REMOVE EXISTING REME HALO UV LIGHT AND STORE FOR RE-INSTALLATION.



N

SECOND FLOOR DEMOLITION PLAN

1/8" = 1'-0"

MOSELEY ARCHITECTS

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NORTH CAROLINA PROFESSIONAL SEAL 043951 2/10/23 ENGINEER TIMOTHY WHITE

MOSELEY ARCHITECTS PROFESSIONAL ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR DEMOLITION PLAN

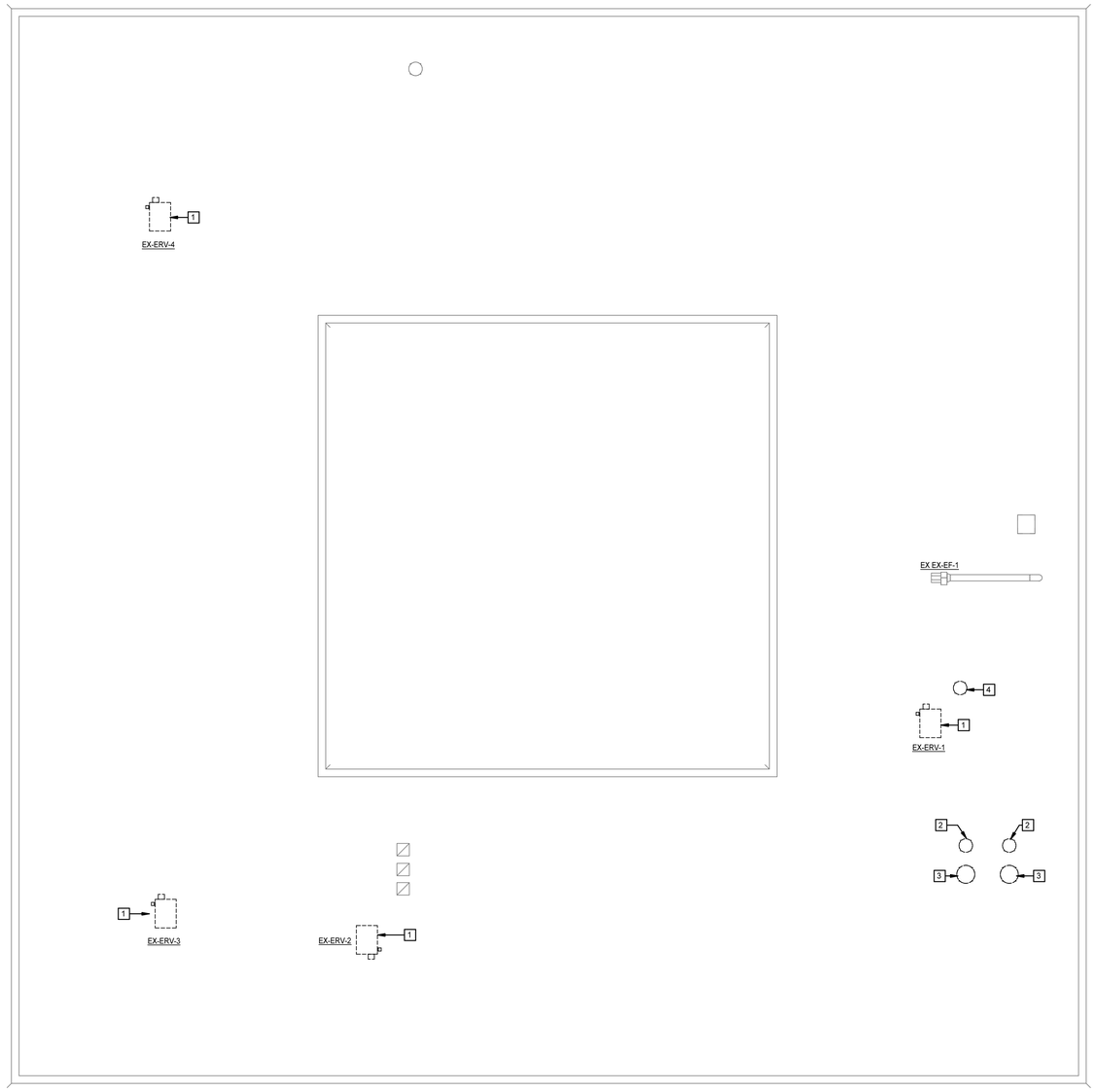
M1.2

2/10/2023 8:02:38 AM

KEYNOTES

APPLIES TO THIS DRAWING

1. REMOVE EXISTING ROOFTOP ENERGY RECOVERY VENTILATOR AND ASSOCIATED CONTROLS.
2. REMOVE EXISTING EXHAUST FAN.
3. REMOVE EXISTING GRAVITY VENTILATOR. CAP ROOF CURB. SEE EXISTING ROOF CURB CAP DETAIL.
4. REMOVE EXISTING EXHAUST FAN. CAP ROOF CURB. SEE EXISTING ROOF CURB CAP DETAIL.



N

ROOF DEMOLITION PLAN

1/8" = 1'-0"

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PHONE (919) 840-0091
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NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 043951 ENGINEER KEITH T WHITE 2/10/23

MOSELEY ARCHITECTS, P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

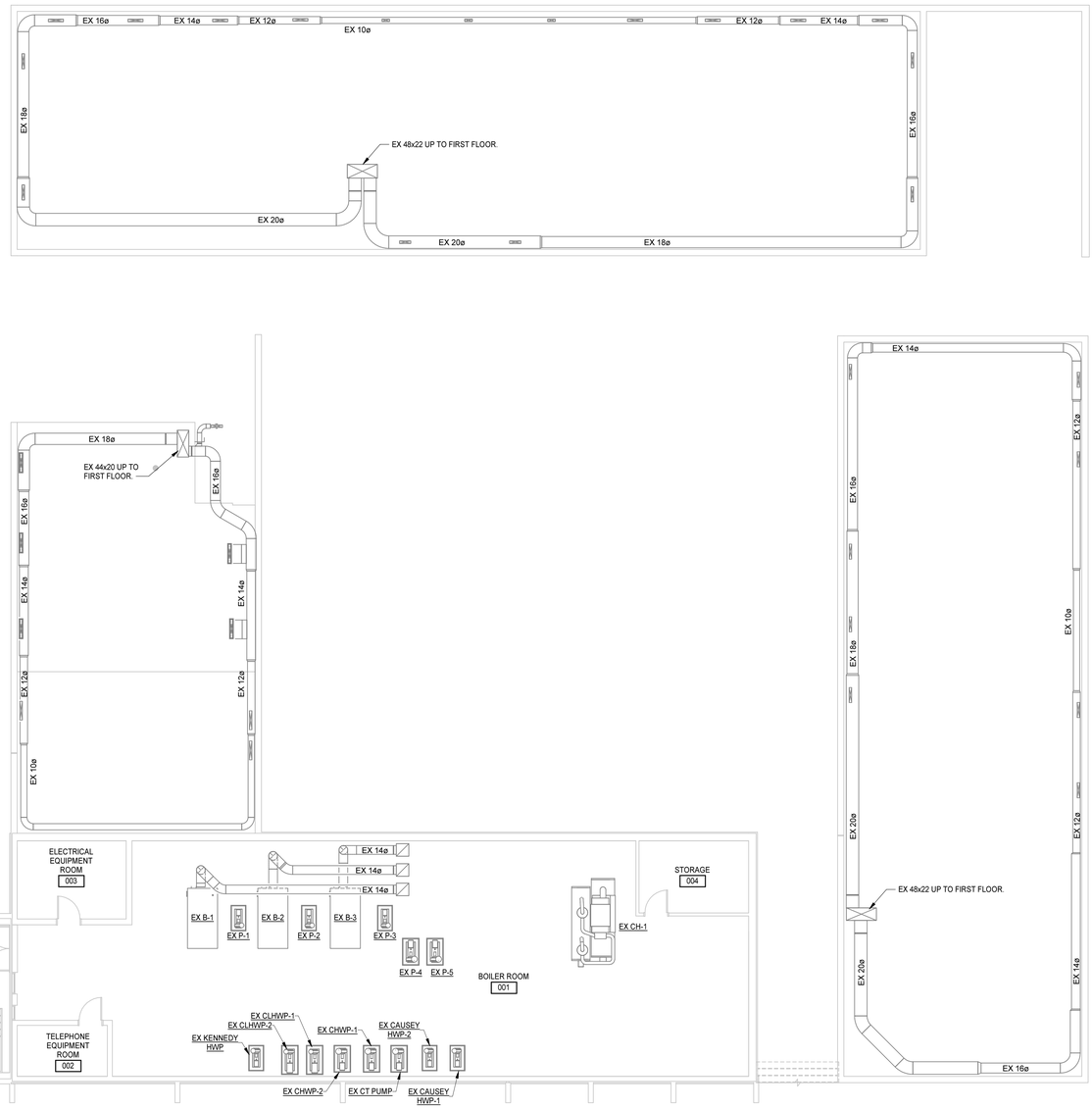
PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

ROOF DEMOLITION PLAN

M1.3

2/10/2023 8:02:39 AM



N

BASEMENT FLOOR PLAN - DUCTWORK

1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 2/10/23 ENGINEER MATTHEW T WHITELEY

MOSELEY ARCHITECTS, P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

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BASEMENT FLOOR PLAN - DUCTWORK

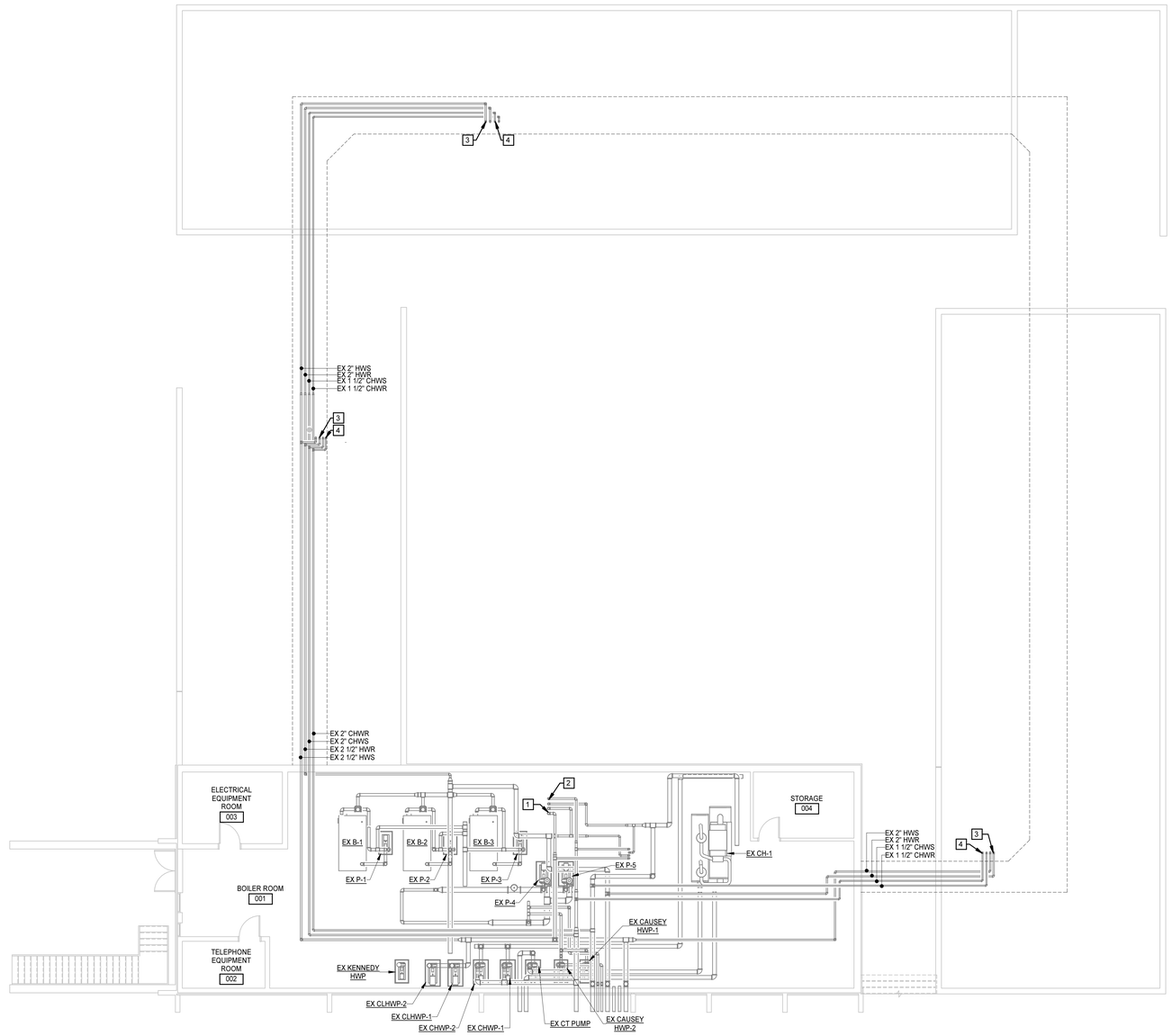
M2.0.1

2/10/2023 8:02:39 AM

KEYNOTES

APPLIES TO THIS DRAWING

1. EX 3" HWS & HWR UP TO FIRST FLOOR.
2. EX 2-1/2" CHWS & CHWR UP TO FIRST FLOOR.
3. EX 2" HWS & HWR UP TO FIRST FLOOR.
4. EX 1-1/2" CHWS & CHWR UP TO FIRST FLOOR.



N

BASEMENT FLOOR PLAN - PIPING

1/8" = 1'-0"

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MEYER HALL RENOVATIONS

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3395 Airport Road, Pinehurst, NC 28374

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DATE	DESCRIPTION

BASEMENT FLOOR PLAN - PIPING

M2.0.2

2/10/2023 8:02:41 AM

N

FIRST FLOOR PLAN - DUCTWORK

1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER KEITH T WHITE 2/10/23

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MEYER HALL RENOVATIONS

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DATE	DESCRIPTION

FIRST FLOOR PLAN - DUCTWORK

M2.1.1

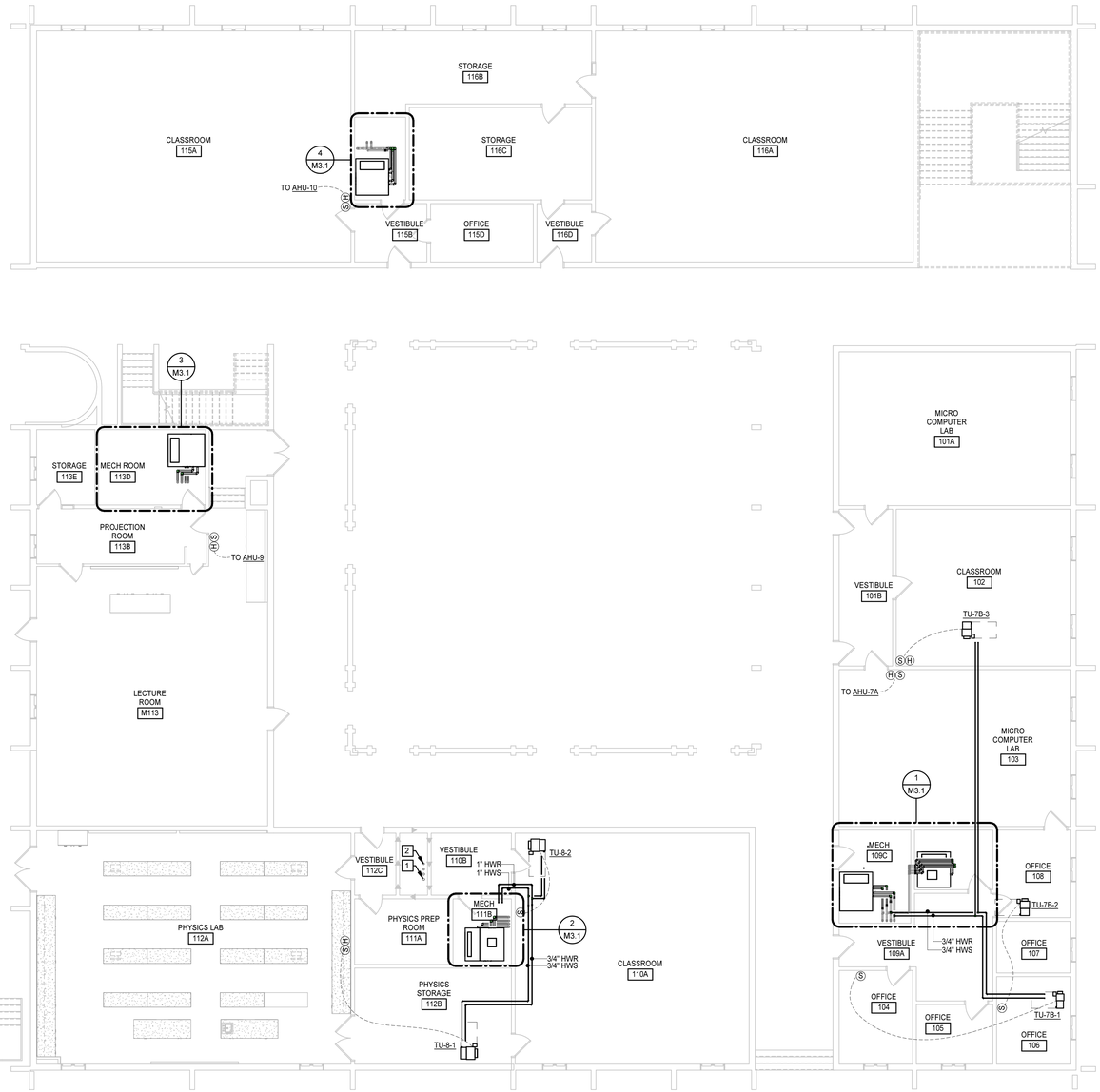
2/10/2023 8:02:42 AM

KEYNOTES

APPLIES TO THIS DRAWING

1 EX 3" HWS & HWR DOWN TO BASEMENT AND UP TO SECOND FLOOR.

2 EX 2-1/2" CHWS & CHWR DOWN TO BASEMENT AND UP TO SECOND FLOOR.



N

FIRST FLOOR PLAN - PIPING

1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER ROBERT T WHITE 2/10/23

MOSELEY ARCHITECTS, P.C. ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

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FIRST FLOOR PLAN - PIPING

M2.1.2

2/10/2023 8:02:44 AM

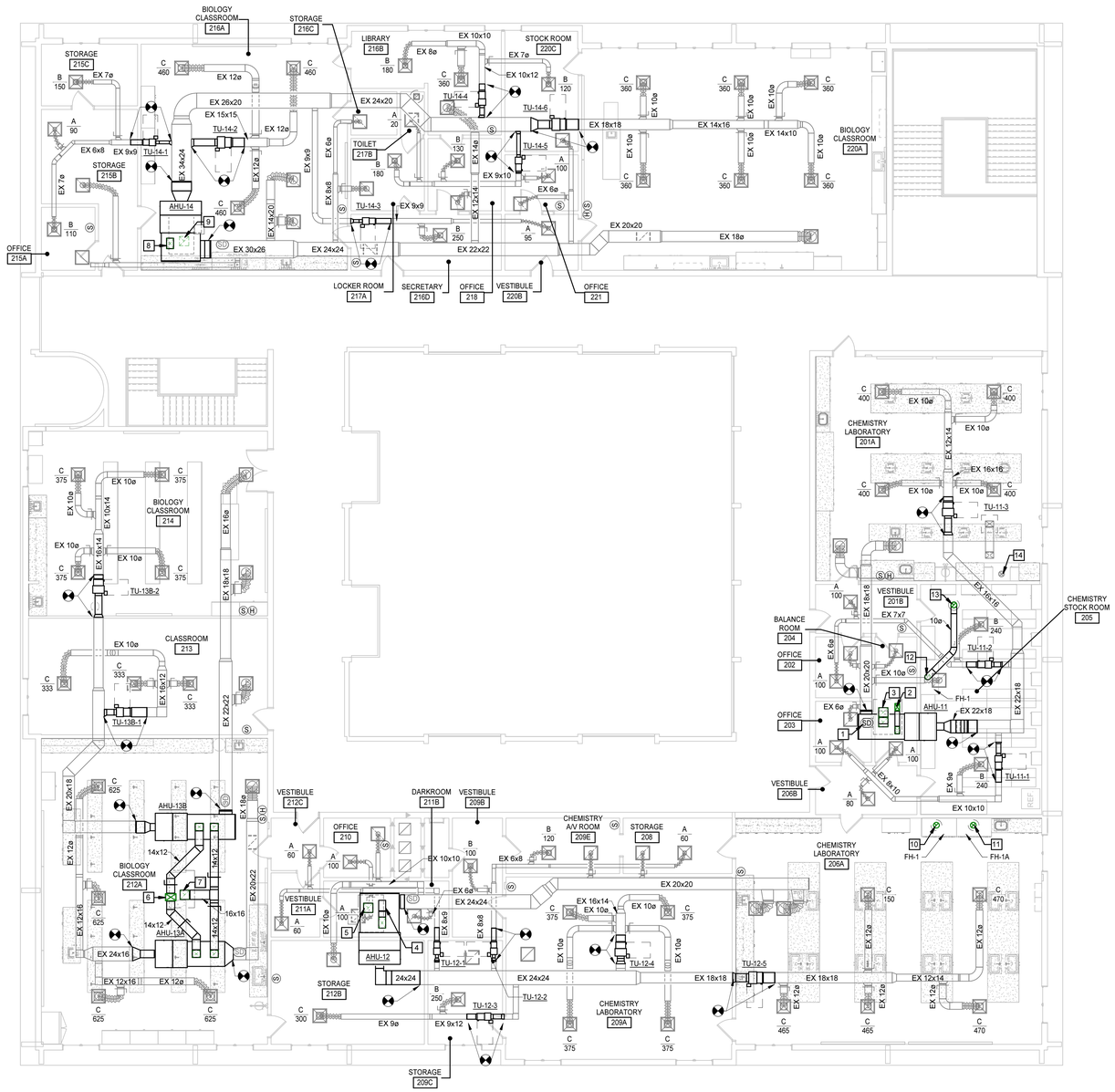
AIR BALANCE SCHEDULE - FUME HOODS

ROOM NUMBER	ROOM NAME	MAX SUPPLY AIRFLOW (CFM)	MIN SUPPLY AIRFLOW (CFM)	FUME HOOD TOTAL EXHAUST (CFM)	TRANSFER TO SPACE
205	CHEMISTRY STOCK ROOM	480	320	675	355
206A	CHEMISTRY LABORATORY	2,020	1,200	1350	150

KEYNOTES

APPLIES TO THIS DRAWING

1. RE-INSTALL EXISTING DUCT SMOKE DETECTOR AND CONFIRM OPERATION.
2. 8x12 UP TO ERV-1 ON ROOF.
3. 16x16 UP TO ERV-1 ON ROOF.
4. 12x18 UP TO ERV-2 ON ROOF.
5. 16x16 UP TO ERV-2 ON ROOF.
6. 12x18 UP TO ERV-3 ON ROOF.
7. 16x16 UP TO ERV-3 ON ROOF.
8. 12x18 UP TO ERV-4 ON ROOF.
9. 16x16 UP TO ERV-4 ON ROOF.
10. 10" UP TO EF-2 ON ROOF AND DOWN TO FUME HOOD.
11. 10" UP TO EF-3 ON ROOF AND DOWN TO FUME HOOD.
12. 10" DOWN TO FUME HOOD.
13. 10" UP TO EF-4 ON ROOF.
14. EX 10" UP TO EX EF-1 ON ROOF.



N

SECOND FLOOR PLAN - DUCTWORK

1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER KEITH T WHITE 2/10/23

MOSELEY ARCHITECTS PROFESSIONAL CORPORATION ENGINEERING C-3469 RALEIGH, NC

MEYER HALL RENOVATIONS

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SECOND FLOOR PLAN - DUCTWORK

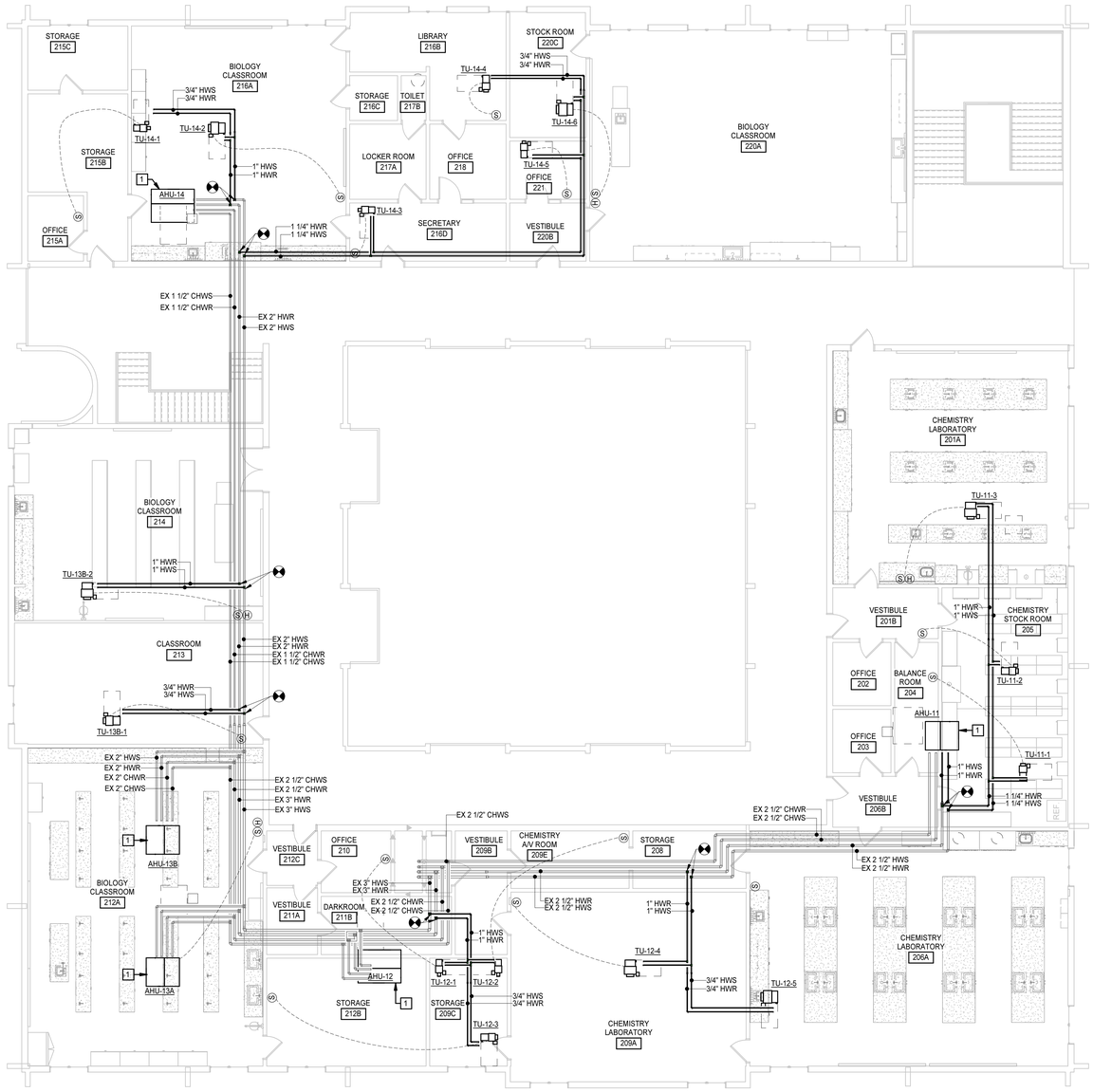
M2.2.1

2/10/2023 8:02:47 AM

KEYNOTES

APPLIES TO THIS DRAWING

1	CONNECT CONDENSATE DRAIN FROM UNIT TO EXISTING CONDENSATE PIPING. CLEAN EXISTING CONDENSATE DRAIN PRIOR TO NEW UNIT BEING INSTALLED.



N

SECOND FLOOR PLAN - PIPING

1/8" = 1'-0"

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER PATRICK T WHITE 2/10/25

MOSELEY ARCHITECTS, P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
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REVISIONS

DATE	DESCRIPTION

SECOND FLOOR - PIPING

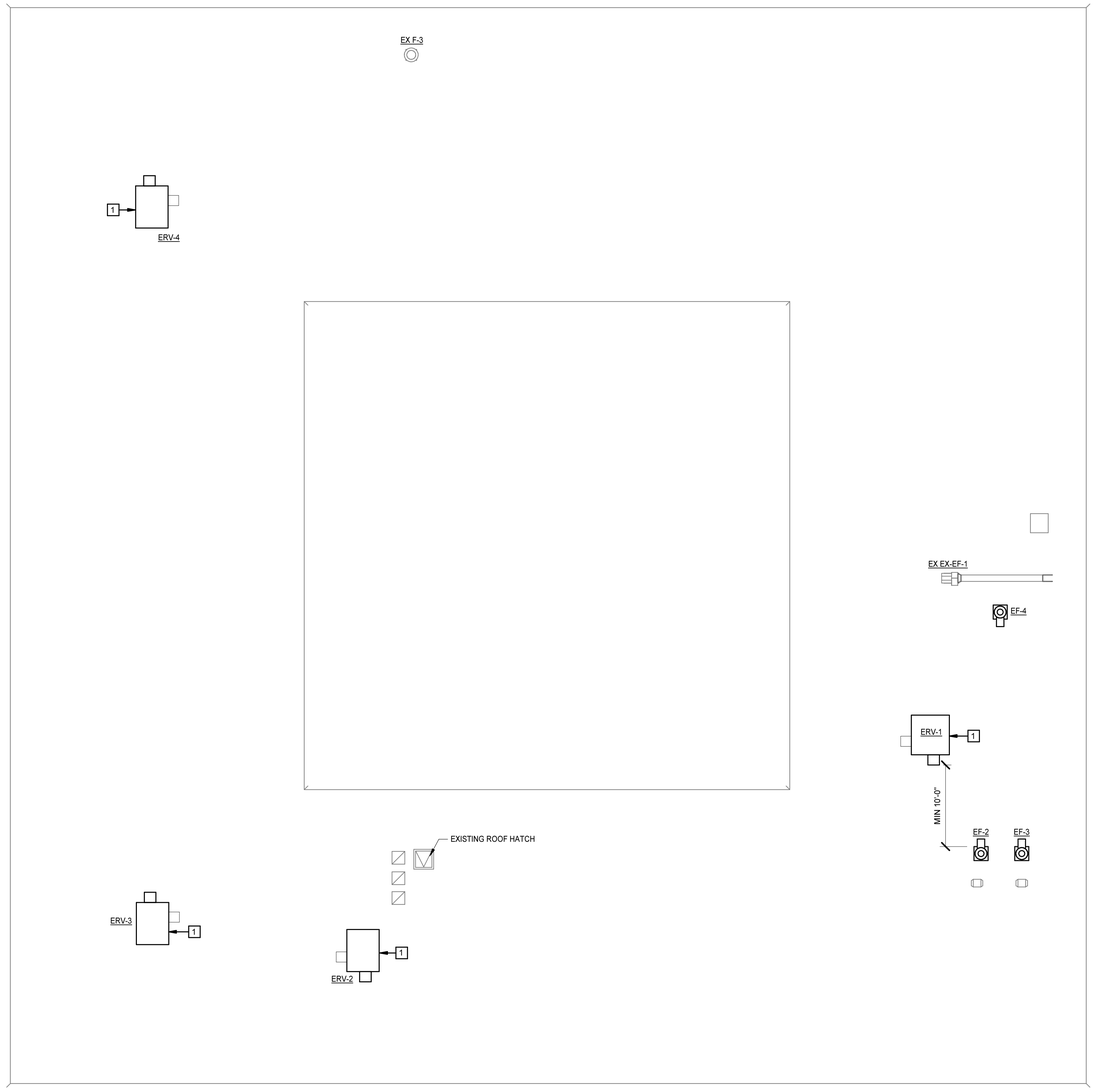
M2.2.2

2/10/2023 8:02:49 AM

KEYNOTES

APPLIES TO THIS DRAWING

1	COORDINATE UNIT LOCATION WITH EXISTING UNIT LOCATION. PROVIDE CURB ADAPTER AS REQUIRED AND RE-USE EXISTING ROOF OPENINGS.



N

ROOF PLAN

1/8" = 1'-0"

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REVISIONS	
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ROOF PLAN

M2.3

2/10/2023 8:02:50 AM

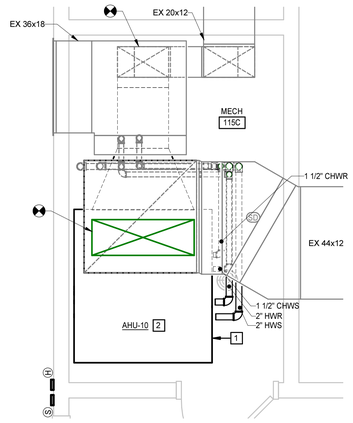
KEYNOTES

APPLIES TO THIS DRAWING

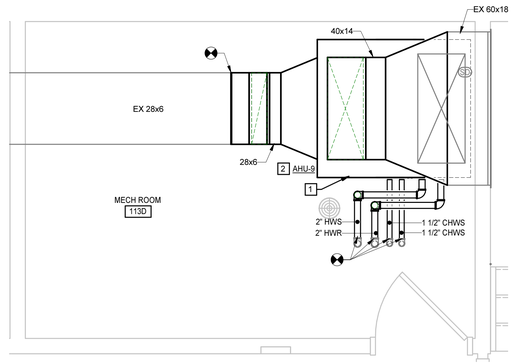
1 RE-INSTALL EXISTING REME HALO UV LIGHT AND CONFIRM OPERATION.

2 ROUTE CONDENSATE DRAIN FROM UNIT TO NEAREST FLOOR DRAIN AT FULL SIZE OF UNIT CONNECTION. COORDINATE EXACT NUMBER OF DRAIN CONNECTIONS AND LOCATIONS WITH EQUIPMENT MANUFACTURER.

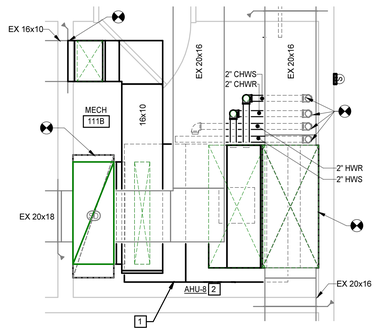
3 RE-INSTALL EXISTING DUCT SMOKE DETECTOR AND CONFIRM OPERATION.



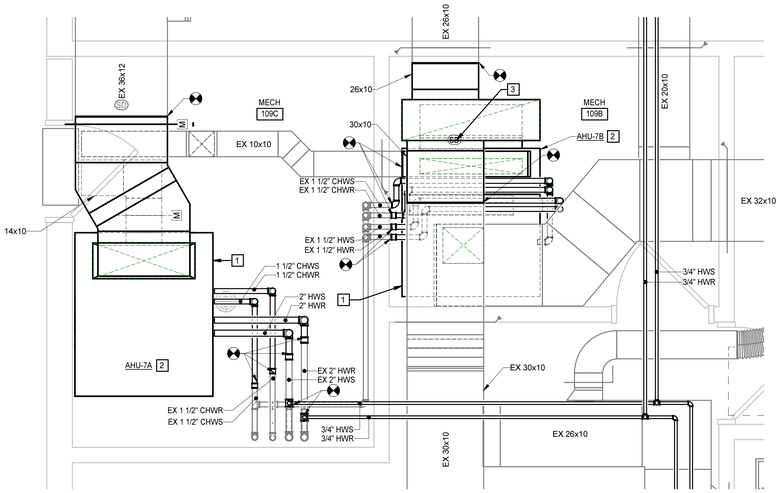
4 M2.1.1 M3.1 M2.1.2 **115C MECHANICAL ROOM**
1/2" = 1'-0"



3 M2.1.1 M3.1 M2.1.2 **ENLARGED PLAN - MECH 113D**
1/2" = 1'-0"



2 M2.1.1 M3.1 M2.1.2 **ENLARGED PLAN - MECH 118B**
1/2" = 1'-0"



1 M2.1.1 M3.1 M2.1.2 **ENLARGED PLAN - MECH 109B & 109C**
1/2" = 1'-0"

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NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 043951 ENGINEER 2/10/23 MATTHEW T WHITLEY

MOSELEY ARCHITECTS, P.C. ARCHITECTURE ENGINEERING INTERIORS CORPORATION C-3469 RALEIGH, NC NORTH CAROLINA

MEYER HALL RENOVATIONS

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PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

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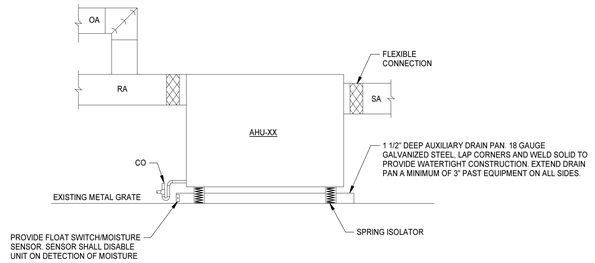
ENLARGED PLANS

M3.1

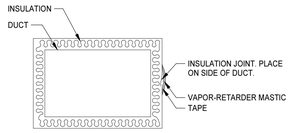
2/10/2023 8:02:51 AM

J I H G F E D C B A

1 2 3 4 5 6 7 8 9 10

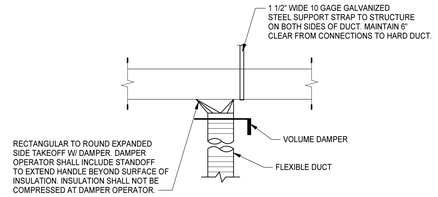


ABOVE-CEILING AIR HANDLING UNIT DETAIL



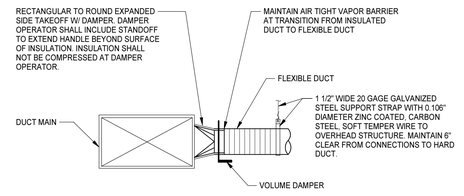
REFER TO SPECIFICATION SECTION 230700 FOR ADDITIONAL INFORMATION.

DUCT INSULATION JOINT DETAIL



NOTES:
- FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/LIP ON METAL DUCT) AND ANCHORED W/ A SINGLE NYLON MECHANICAL BAND.
- IN EXPOSED AREAS PROVIDE RIGID GALVANIZED STEEL DUCTWORK IN LIEU OF FLEXIBLE DUCTWORK INDICATED. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR STEEL DUCTWORK.

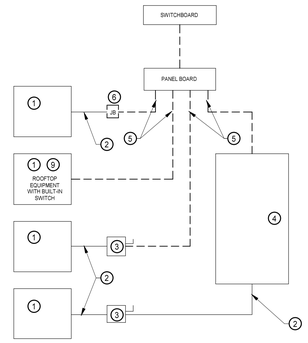
BRANCH TAKEOFF TO DIFFUSER-BOTTOM



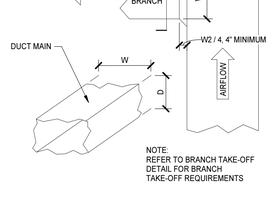
NOTES:
- FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/LIP ON METAL DUCT) AND ANCHORED W/ A SINGLE NYLON MECHANICAL BAND.
- IN EXPOSED AREAS PROVIDE RIGID GALVANIZED STEEL DUCTWORK IN LIEU OF FLEXIBLE DUCTWORK INDICATED. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR STEEL DUCTWORK.

BRANCH TAKEOFF TO DIFFUSER-SIDE

1. MECHANICAL EQUIPMENT
2. CONDUIT AND WIRING BY MECHANICAL CONTRACTOR.
3. IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC, IT SHALL BE PROVIDED AND INSTALLED BY THE EQUIPMENT CONTRACTOR.
4. A COMBINATION STARTER OR VFD MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER. LOCATE ADJACENT TO EQUIPMENT.
5. FEEDER CIRCUIT WIRING AND CONDUIT IN ELECTRICAL WORK. SEE ELECTRICAL DRAWINGS.
6. JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT. IF NO STARTER OR DISCONNECT IS SUPPLIED, A JUNCTION BOX SHALL BE INSTALLED ADJACENT TO EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. LOAD SIDE WIRING WILL BE PROVIDED BY MECHANICAL CONTRACTOR.
7. PROJECTS UTILIZING AN MCC: THE STARTER, JB, OR VFD IN THE MCC ARE PROVIDED BY THE ELECTRICAL DRAWINGS.
8. IN ALL CASES, THE EQUIPMENT CONTRACTOR SHALL MAKE FINAL CONNECTIONS, START UP, AND TEST EQUIPMENT.
9. IF THE ROOFTOP FAN IS NOT PROVIDED WITH A BUILT-IN SWITCH, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A DISCONNECT SWITCH.
10. IN A SINGLE PRIME CONTRACT, IT IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR TO COORDINATE BETWEEN THE ELECTRICAL AND OTHER TRADES.

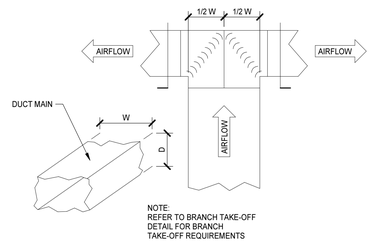


DIVISION 23 AND 26 COORDINATION DETAIL



NOTE:
REFER TO BRANCH TAKE-OFF DETAIL FOR BRANCH TAKE-OFF REQUIREMENTS

DUCT END OF MAIN DETAIL



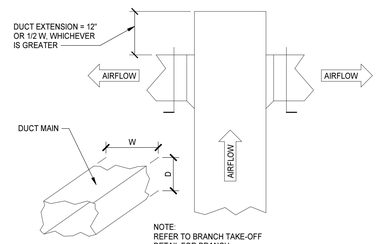
NOTE:
REFER TO BRANCH TAKE-OFF DETAIL FOR BRANCH TAKE-OFF REQUIREMENTS

DESIGNER NOTES:

USE WHERE "W" EXCEEDS 24" OR WHEN AIR FLOW IS IN EXCESS OF 1500 CFM.

MAY BE PROPORTIONAL

DUCT SPLIT WITH VANES DETAIL

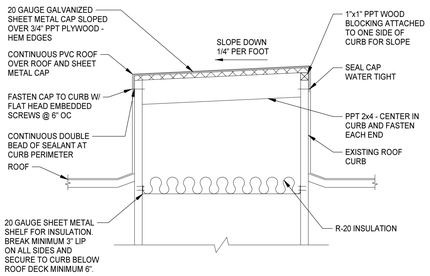


NOTE:
REFER TO BRANCH TAKE-OFF DETAIL FOR BRANCH TAKE-OFF REQUIREMENTS

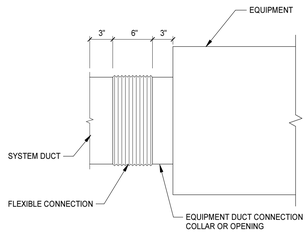
DESIGNER NOTES:

USE WHERE "W" IS LESS THAN 24", WHEN YOU HAVE ROUND DUCT BRANCHES TO DIFFUSERS, OR WHEN AIR FLOW IS EQUAL TO OR LESS THAN 1500 CFM.

DUCT SPLIT WITHOUT VANES DETAIL

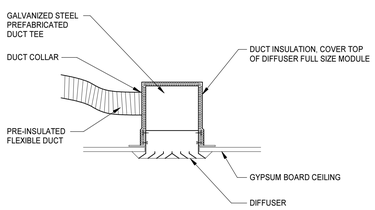


EXISTING ROOF CURB CAP DETAIL



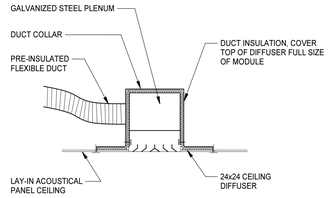
NOTE: THIS DETAIL APPLIES TO ALL DUCT CONNECTIONS TO AIR HANDLING UNITS AND FANS UNLESS OTHERWISE INDICATED

EQUIPMENT DUCT CONNECTION DETAIL

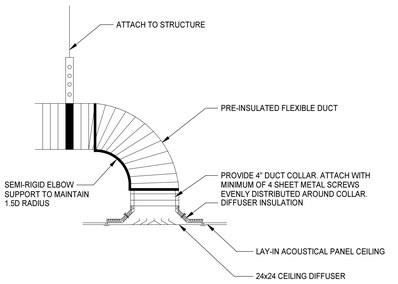


NOTE: THE DIFFUSER ASSEMBLY MAY BE SUPPORTED FROM THE CEILING FRAMING SYSTEM. THE DIFFUSER SHALL BE INSTALLED LEVEL AND TIGHT TO THE UNDERSIDE OF THE CEILING.

SUPPLY DIFFUSER CONNECTION GYP



SUPPLY DIFFUSER CONNECTION LAYIN



SUPPLY DIFFUSER CONNECTION LAYIN-COLLAR

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NORTH CAROLINA PROFESSIONAL SEAL 043951 2/19/25 ENGINEER BRITTON T WHITE

MOSELEY ARCHITECTS, P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
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REVISIONS	
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DETAILS

M5.1

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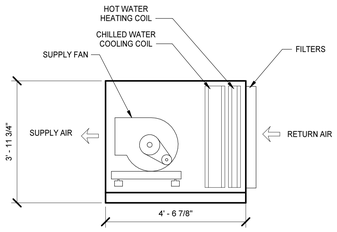
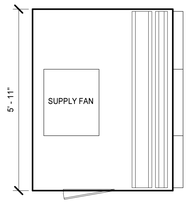
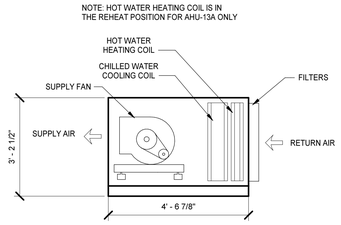


ELEVATION VIEW

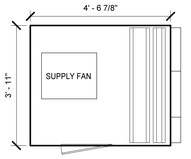


PLAN VIEW

AHU-12 & 14 LAYOUT

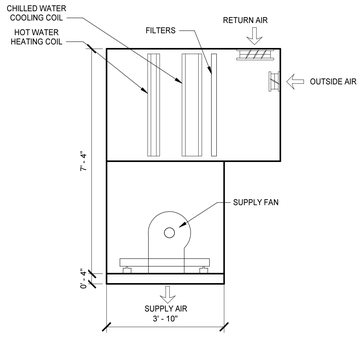


ELEVATION VIEW

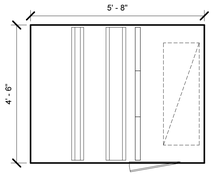


PLAN VIEW

AHU-11, 13A, 13B LAYOUT

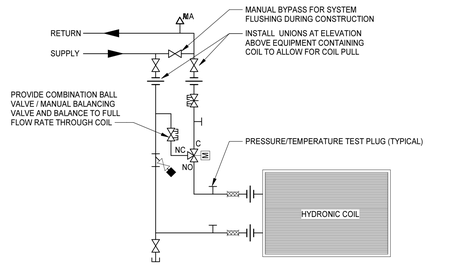


ELEVATION VIEW

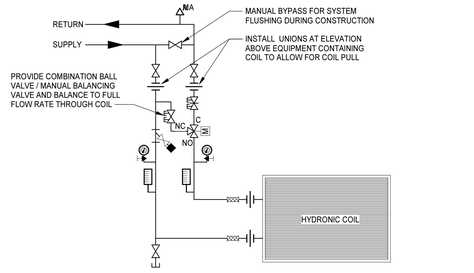


PLAN VIEW

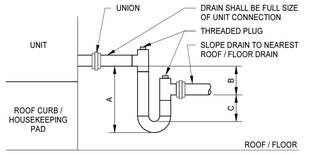
AHU-10 LAYOUT



HYDRONIC COIL PIPING DIAGRAM - TERMINAL EQUIPMENT



HYDRONIC COIL PIPING DIAGRAM - AHU

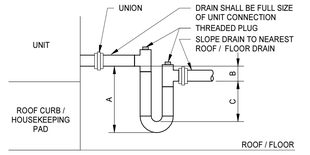


NEGATIVE PRESSURE TRAP

A = B + C + PIPE DIAMETER WHERE:

B = 1" FOR EACH INCH OF NEGATIVE STATIC PRESSURE + 1"

C = 1/2 OF B



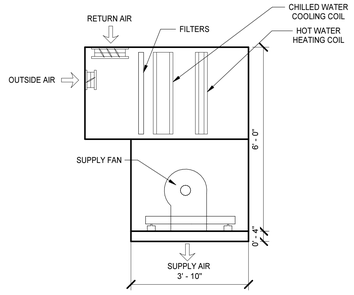
POSITIVE PRESSURE TRAP

A = B + C + PIPE DIAMETER WHERE:

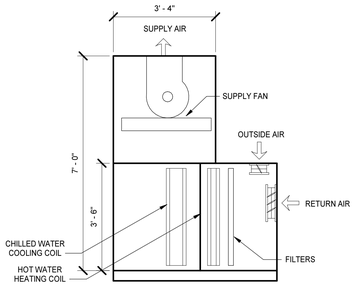
B = 1" MINIMUM

C = 1" + MAXIMUM UNIT POSITIVE STATIC PRESSURE AT COIL DISCHARGE

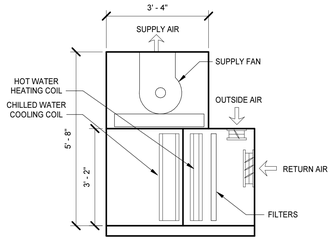
CONDENSATE DRAIN PIPING DETAIL



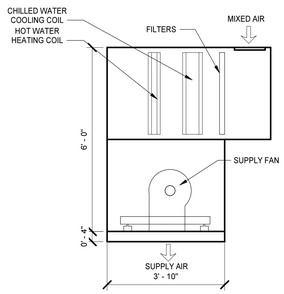
ELEVATION VIEW



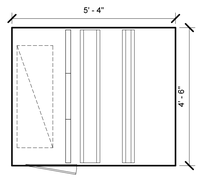
ELEVATION VIEW



ELEVATION VIEW

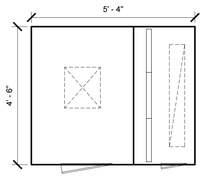


ELEVATION VIEW



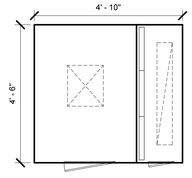
PLAN VIEW

AHU-9 LAYOUT



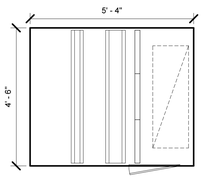
PLAN VIEW

AHU-8 LAYOUT



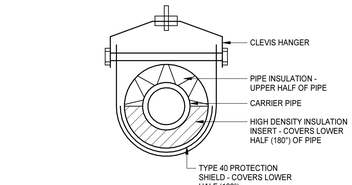
PLAN VIEW

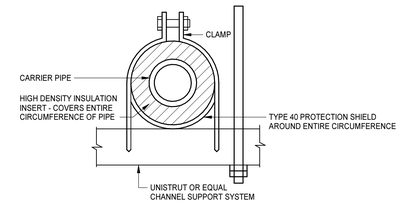
AHU-7B LAYOUT

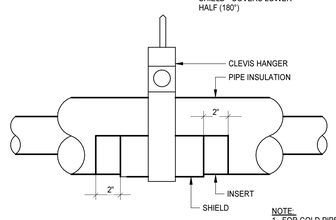


PLAN VIEW

AHU-7A LAYOUT

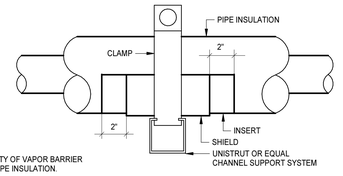






NOTE:
1. FOR COLD PIPE MAINTAIN INTEGRITY OF VAPOR BARRIER AT SEAM BETWEEN INSERT AND PIPE INSULATION.

CLEVIS OR BAND HANGER



TRAPEZE OR CLAMPED SYSTEM

PIPE SUPPORT AND THERMAL SHIELD DETAILS

MOSELEY ARCHITECTS
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0091
MOSELEYARCHITECTS.COM

NORTH CAROLINA PROFESSIONAL SEAL 043951 2/15/25 ENGINEER BRITTNEY T WHITE

MOSELEY ARCHITECTS P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

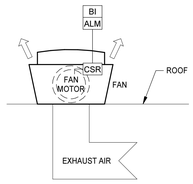
PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

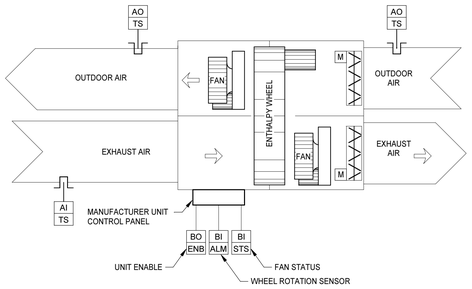
DETAILS

M5.2

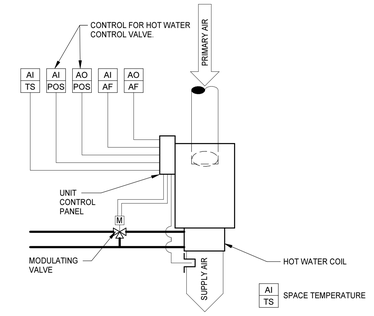
2/10/2023 8:02:52 AM



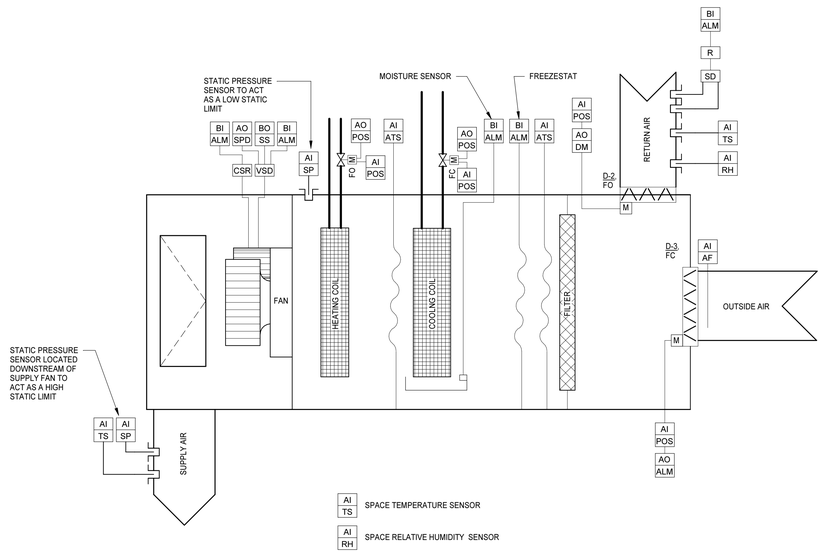
LAB EXHAUST FAN



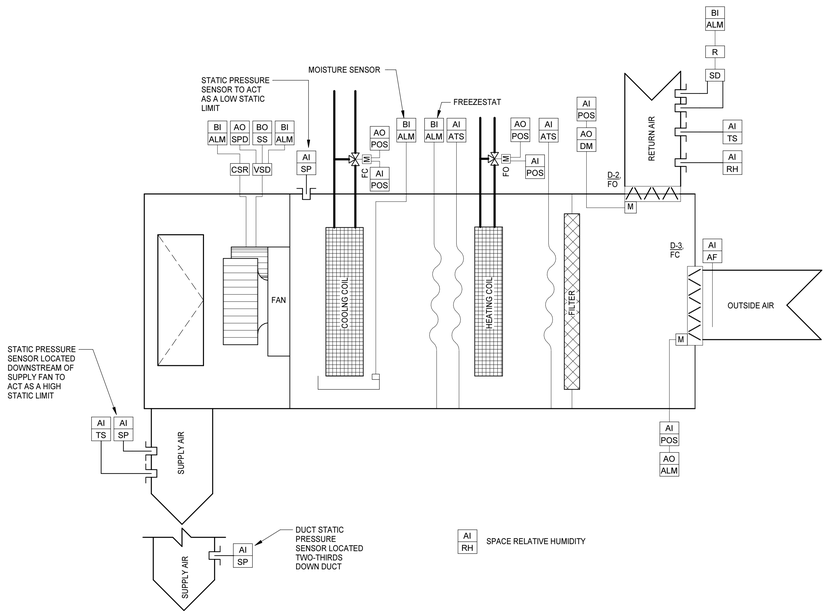
ENERGY RECOVERY VENTILATOR



TERMINAL UNIT WITH MODULATING CONTROL OF HOT WATER HEAT



SINGLE ZONE VAV AHU - AHU-7A, 9, 10, 13A



VAV AHU SERVING TERMINAL UNITS - AHU-7B, 8, 11, 12, 13B, & 14

MOSELEYARCHITECTS
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0091
MOSELEYARCHITECTS.COM

NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 043951 2/10/23 ENGINEER BRITTON T WHITFIELD

MOSELEY ARCHITECTS, P.C. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA RALEIGH, NC

MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

CONTROLS

M7.1

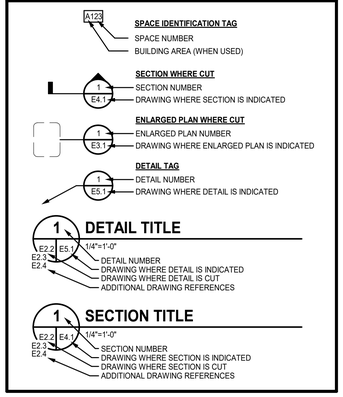
2/10/2023 8:02:53 AM

FIRE ALARM LEGEND

SYMBOL DESCRIPTION

- FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, MOUNT AT 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
- FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
- FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE WITH DEVICE GUARD, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. # / # INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
- FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80" AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. # / # INDICATES STROVE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
- FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
- FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
- FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE WITH DEVICE GUARD, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. # / # INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
- FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, CEILING MOUNTED. SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING. # / # INDICATES STROVE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
- F — FIRE ALARM MANUAL PULL STATION, MOUNT AT +3'-10"AFF.
- FK — FIRE ALARM KEY OPERATED MANUAL PULL STATION, MOUNT AT +3'-10"AFF.
- ST — FIRE ALARM DUCT SMOKE DETECTOR, FURNISH AND CONNECT UNDER DIVISION 28. INSTALL UNDER DIVISION 23. VERIFY LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN. PROVIDE ACCESSIBLE KEY OPERATED REMOTE TEST SWITCH FOR EACH DETECTOR.
- S — SMOKE DETECTOR, CEILING MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.
- H — HEAT DETECTOR, CEILING MOUNT. SUBSCRIPT 'G' WHEN PRESENT INDICATES PROVIDE DEVICE GUARD.
- FS — FIRE ALARM TAMPER SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
- FS — FIRE ALARM FLOW SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
- PV — POST INDICATOR VALVE SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
- PS — FIRE ALARM PRESSURE SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
- FR — FIRE ALARM REMOTE INDICATOR, CEILING MOUNT.
- M — FIRE ALARM MONITOR MODULE. NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS.
- C — FIRE ALARM CONTROL MODULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS.
- B — FIRE ALARM SPRINKLER BELL, MOUNT AT +10'-0"AFF.
- M — FIRE ALARM MAGNETIC DOOR HOLDER, WALL MOUNT DEVICE AT 6" BELOW TOP OF DOOR. PROVIDE HINGED MAGNETIC CATCH PLATE ON DOOR TO MATE WITH DEVICE, COORDINATE LOCATION AND LENGTH WITH DIVISION 08. PROVIDE CONCEALED 120-VOLT POWER CONNECTION AND FIRE ALARM CONTROL MODULE IF REQUIRED FOR PROPER OPERATION.
- M — FIRE ALARM DOOR HOLDER/CLOSER HARDWARE UNDER DIVISION 08, MONITOR AND CONTROL INTERFACE WITH FIRE ALARM UNDER DIVISION 28.
- FIRE ALARM/POWER CONNECTION TO DIVISION 23 SMOKE OR FIRE/SMOKE DAMPER. COORDINATE WITH DIVISION 23. REFER TO TYPICAL FIRE/SMOKE DAMPER DIAGRAM.

GRAPHICS SYMBOLS LEGEND



POWER LEGEND

SYMBOL DESCRIPTION

- APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.
- APPLIANCE RECEPTACLE, MOUNT AT +1'-6"AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.
- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF.
- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6"AFF.
- DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6"AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
- DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT.
- GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE.
- GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.
- GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
- GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF.
- GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICE.
- DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT.
- SINGLE RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.
- SINGLE RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10"AFF.
- SPD DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6"AFF.
- # — POWER/COMMUNICATIONS RECESSED FLOOR BOX. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
- # — POWER/COMMUNICATIONS RECESSED FLOOR BOX. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICES. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
- # — POWER/COMMUNICATIONS POKE THRU FLOOR BOX. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
- # — POWER/COMMUNICATIONS POKE THRU FLOOR BOX. CONNECT TO EMERGENCY POWER, PROVIDE RED DEVICES. SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS.
- SF — SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLOOR BOX. COORDINATE W/ SYSTEM FURNITURE PROVIDER PRIOR TO ROUGH-IN.
- SF — SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLUSH WALL BOX MOUNTED 4" AFF. COORDINATE W/FURNITURE PROVIDER PRIOR TO ROUGH-IN.
- POWER/COMMUNICATIONS POWER POLE, FURNISHED WITH (NIC) SYSTEM FURNITURE. PROVIDE J-BOX MTD TO STRUCTURE ABOVE CLG, AND FLEXIBLE CONDUIT CONNECTION TO J-BOX MTD TO TOP OF POLE AND CONNECTED TO PIGTAIL(S) FURNISHED WITH POLE. POLE LOCATION IS APPROXIMATE, COORDINATE WITH SYSTEM FURNITURE PROVIDER.
- T — LINE VOLTAGE THERMOSTAT. DIVISION 23 FURNISH, DIVISION 26 INSTALL. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY.
- PUSHBUTTON CONTROLLER.
- PUSHBUTTON.
- CORD REEL OUTLET, CEILING MOUNT.
- [NON-] METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNT AT +1'-6"AFF, UNO.
- J — JUNCTION BOX, CONCEALED ABOVE CEILING, UNO.
- UJ — JUNCTION BOX, UNDER FLOOR MOUNT.
- CB — ENCLOSED CIRCUIT BREAKER, CHARACTERISTICS AS INDICATED.
- MUSHROOM SWITCH, HEAVY DUTY WITH LEGEND PLATE. MOUNT W/HANDLE AT +3'-10" AFF, UNO.
- MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH 'ON' INDICATOR PILOT LIGHT. FLUSH MOUNT W/HANDLE AT +3'-10"AFF, UNO.
- DISCONNECT SWITCH, FUSIBLE OR NON-FUSIBLE AS INDICATED. MOUNT W/HANDLE AT +4'-6"AFF, UNO.
- MAGNETIC MOTOR STARTER, WITH OVERLOAD RELAYS AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS.. MOUNT W/HANDLE AT +4'-6"AFF, UNO.
- COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH. WITH OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS.. MOUNT W/HANDLE AT + 4'-6"AFF, UNO.
- E — EQUIPMENT POWER CONNECTION.
- MOTOR CONNECTION.
- M — CONNECTION TO DIV 23 MOTORIZED DAMPER, VERIFY LOCATION.
- EL — POWER FOR ELECTRIC DOOR LOCK CONNECTION.
- ES — POWER FOR ELECTRIC DOOR STRIKE CONNECTION.
- G — EMERGENCY GENERATOR.
- BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB.
- STRAIGHT LINEWORK FOR CIRCUITRY INDICATES ON EMERGENCY POWER CIRCUIT. INDICATED FOR CLARITY ONLY, ACTUAL HOMERUN DESIGNATION OVERRIDES THIS SYMBOLOGY.
- BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED.
- PANELBOARD.
- T — TRANSFORMER, PROVIDE CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE.
- R — RELAY, N/O OR N/C AS INDICATED.
- RELAY, NORMALLY OPEN.
- RELAY, NORMALLY CLOSED.
- XXX — FEEDER TAG. REFER TO FEEDER SCHEDULE ON DWG E5.1.

COMMUNICATIONS LEGEND

NOTE: REFER TO 'TYPICAL COMMUNICATION OUTLET DETAIL' FOR BOX & CONDUIT REQUIREMENTS. REFER TO TELECOMMUNICATION DEVICE DETAILS FOR CABLING AND TERMINAL JACK REQUIREMENTS.

SYMBOL DESCRIPTION

- X — TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +3'-10"AFF.
- X — TELECOMMUNICATIONS OUTLET, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. MOUNT AT +1'-6"AFF.
- [MISC COMMUNICATIONS OUTLET] , MOUNT AT +1'-6"AFF.
- RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING.
- INTERCOM STATION WITH PUSHBUTTON, MOUNT AT +4'-6"AFF.
- [MISC COMMUNICATIONS OUTLET] , MOUNT AT +4'-6"AFF.
- E — PUSHBUTTON SWITCH, MOUNT AT +4'-6"AFF. SUBSCRIPT "E" INDICATES EMERGENCY FUNCTIONS.
- CATV OUTLET, MOUNT AT +[1'-6"] [7'-6"]AFF.
- WALL CLOCK, MOUNT AT +7'-6"AFF. SUBSCRIPT "D" INDICATES DOUBLE FACE CLOCK.
- WALL CLOCK, CEILING MOUNT. SUBSCRIPT "D" INDICATES DOUBLE FACE CLOCK. ARROWS INDICATE FACE DIRECTION.
- M# M# — MICROPHONE OUTLET, WALL MOUNT AT +1'-6"AFF, FLUSH FLOOR MOUNT. SUBSCRIPT NUMBER INDICATES NUMBER OF JACKS TO PROVIDE IN OUTLET.
- S — SOUND SYSTEM SPEAKER, RECESS WALL MOUNT AT +7'-6"AFF. 'WG' WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
- S — SOUND SYSTEM SPEAKER, RECESS CEILING MOUNT. 'WG' WHERE PRESENT INDICATES PROVIDE PROTECTIVE WIRE GUARD.
- # — POWER/COMMUNICATIONS RECESSED FLOOR BOX. SUBSCRIPT LETTER INDICATES OUTLET TYPE. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL" FOR BOX AND CONDUIT REQUIREMENTS.
- # — POWER/COMMUNICATIONS RECESSED FLOOR BOX ON EMERGENCY POWER. SUBSCRIPT LETTER INDICATES OUTLET TYPE. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL" FOR BOX AND CONDUIT REQUIREMENTS.
- # — POWER/COMMUNICATIONS POKE-THRU FLOOR BOX. SUBSCRIPT LETTER INDICATES OUTLET TYPE. (2) 3/4" CONDUITS, (1) EACH AT OPPOSITE SIDES. TO STUB-UP AT NEAREST COMMUNICATION CROSS-CONNECT, UNO. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL.'
- # — POWER/COMMUNICATIONS POKE-THRU FLOOR BOX ON EMERGENCY POWER. SUBSCRIPT LETTER INDICATES OUTLET TYPE. (2) 3/4" CONDUITS, (1) EACH AT OPPOSITE SIDES, TO STUB-UP AT NEAREST COMMUNICATION CROSS-CONNECT, UNO. REFER TO 'TYPICAL COMMUNICATION OUTLET DETAIL.'
- SF — SYSTEM FURNITURE COMMUNICATIONS CONNECTIONS VIA FLOOR BOX. PROVIDE 1.25" CONDUIT BELOW SLAB TO STUB-UP AT NEAREST COMMUNICATION BACK BOARD. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
- SF — SYSTEM FURNITURE COMMUNICATIONS CONNECTION VIA FLUSH WALL BOX MOUNTED +4"AFF. PROVIDE 1.25" CONDUIT WITH BUSHING FROM BOX TO ABOVE CEILING. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
- SYSTEM FURNITURE COMMUNICATIONS CONNECTION VIA POWER POLE FURNISHED WITH SYSTEM FURNITURE. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
- WA — WIRELESS ACCESS POINT
- TELECOMMUNICATIONS EQUIPMENT RACK.
- 2" EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING.
- TG — TELECOMMUNICATIONS GROUND BUS BAR, MOUNT AT +1'-6"AFF.
- TMGB — TELECOMMUNICATIONS MAIN GROUND BUS BAR, MOUNT AT +1'-6"AFF.
- CABLE TRAY, MOUNT AT +6" ABOVE FINISHED CEILING.

DEMOLITION LEGEND

SYMBOL DESCRIPTION

- REMOVE DEVICES, EQUIPMENT, IN ACCORDANCE WITH THE GENERAL DEMOLITION NOTES.
- DEVICES ARE EXISTING TO REMAIN.
- WITHIN HATCHED AREAS, DISCONNECT AND REMOVE ALL ELECTRICAL MATERIALS INCLUDING BUT NOT LIMITED TO LIGHTS, DEVICES, EQUIPMENT, SPEAKERS, FIRE ALARM, COMMUNICATIONS, AND CIRCUITRY.

GENERAL DEMOLITION NOTES

A. PROVIDE ALL ELECTRICAL DEMOLITION WORK REQUIRED TO INSTALL THE WORK INDICATED. REMOVE, REROUTE, AND RECONNECT ALL BRANCH CIRCUITS THAT WILL REMAIN IN USE BUT INTERFERES WITH THE WORK.

B. REMOVE ALL EXISTING CONDUITS THAT WILL NOT BE REUSED AND WHERE THEY WILL BE EXPOSED AFTER COMPLETION. ABANDON ALL OTHERS IN THE WALLS ONLY. DISCONNECT ALL WIRING INDICATED AND/OR REQUIRED TO BE REMOVED FROM ALL POWER SOURCES. REMOVE ALL WIRING FROM ABANDONED CONDUITS AND PROVIDE BLANK COVER PLATES FOR BOXES NOT UTILIZED FOR THE WORK.

C. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY THE WORK.

D. BEFORE DEMOLITION, VERIFY WITH THE OWNER ALL EQUIPMENT TO BE SALVAGED TO OWNER AND NOT REMOVED FROM THE SITE. FOR ALL REMAINING EQUIPMENT INDICATED FOR REMOVAL (AND NOT RELOCATED), REMOVE AND DISPOSE IN A LEGAL MANNER.

E. EXERCISE CARE IN REMOVING DEMOLITION ITEMS. REPAIR OR REPLACE ALL DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.

F. DRAWINGS ARE BASED UPON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. VISIT THE EXISTING BUILDING AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND EXAMINE ALL DRAWINGS TO AVOID CONFLICTS.

G. WHERE DEMOLITION OF TELECOMMUNICATIONS DEVICES OCCUR, REMOVE CABLING NOT INDICATED TO REMAIN BACK TO POINT OF ORIGIN.

H. DEMOLITION FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY TO AID IN DEFINING THE SCOPE OF DEMOLITION WORK.

GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.

C. FIELD VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.

D. EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION.

E. LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED.

F. PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT.

G. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPEWRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND WRITTEN SCHEDULES ARE NOT ACCEPTABLE.

H. ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC, COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.

I. ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE, LINO. THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY, AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.

J. WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.

K. ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT.

L. WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR CODED NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC.

M. PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS. REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE" IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA.

ABBREVIATIONS

1P	SINGLE PHASE
3P	THREE PHASE
3R	WEATHERPROOF (NEMA 3R)
A	AMPS
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION (CABLE)
CB	CIRCUIT BREAKER
CBL	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CO	COMPANY
COMB	COMBINATION
COMM	COMMUNICATIONS
CU	COPPER
DIA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DWG	DRAWING
EBH	ELECTRIC BASEBOARD HEATER
EC	EMPTY CONDUIT
ECS	EMERGENCY COMMUNICATIONS STATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EPO	EMERGENCY POWER OFF
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAGP	FIRE ALARM GRAPHIC PANEL
FAXP	FIRE ALARM EXTENDER PANEL
FFSCP	FIRE FIGHTER'S SMOKE CONTROL PANEL
FLA	FULL LOAD AMPS
FPMR	FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS
FPND	FUSE PER NAMEPLATE DATA
G	GROUND
GE	GROUND FAULT PROTECTION FOR EQUIPMENT, 6-50mA PER NEC 427.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER)
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GFP	GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED BREAKER)
HKP	HOUSEKEEPING PAD
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
Hz	HERTZ
IAW	IN ACCORDANCE WITH
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
KHFSS	KITCHEN HOOD FIRE SUPPRESSION SYSTEM
KHz	KILOHERTZ
KVA	KILOVOLT AMPS
KW	KILOWATTS
KWH	KILOWATT HOURS
L	LOCKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER)
LC	ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTACTOR, REFER TO LC SCHEDULE
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
LTS	LIGHTS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	METAL HALIDE
MHz	MEGAHERTZ
MIN	MINIMUM
ML	MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER)
MLO	MAIN LUG ONLY
MNS	MASS NOTIFICATION SYSTEM
MOCP	MAXIMUM OVER CURRENT PROTECTION.
MTD	MOUNTED
N	NEUTRAL
N/C	NORMALLY CLOSED
N/O	NORMALLY OPEN
NO.	NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
P	PILOT LIGHT (AT THE SWITCH HANDLE)
PBD	PANELBOARD
PD	PROTECTIVE DEVICE
RCPT	RECEPTACLE
REC	RECEPTACLE
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SPEC.	SPECIFICATION(S)
ST	SHUNT TRIP, 120V COIL (PROVIDE ACCESSORY FOR INDICATED BREAKER)
SW	SWITCH
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TELECOMMUNICATIONS CLOSET
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
W/	WITH
WG	WIRE GUARD
WP	WEATHERPROOF
XFER	TRANSFER
XFMR	TRANSFORMER

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS

DATE	DESCRIPTION

LEGENDS, ABBREVIATIONS AND GENERAL NOTES

E0.1

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KEYNOTES

APPLIES TO THIS DRAWING

1 DISCONNECT & REMOVE EXISTING FURNITURE RECEPTACLE BRANCH CIRCUIT IN ITS ENTIRETY.

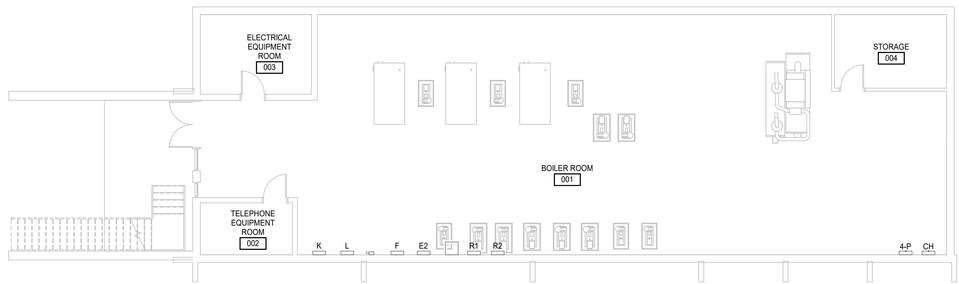
2 DISCONNECT & REMOVE COMMUNICATIONS OUTLET AND CABLE IN ITS ENTIRETY.

3 DISCONNECT MECHANICAL EQUIPMENT BRANCH CIRCUIT IN ITS ENTIRETY.

N

FIRST FLOOR - DEMOLITION

1/8" = 1'-0"



N

BASEMENT - DEMOLITION

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

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3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
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REVISIONS

DATE	DESCRIPTION

FIRST FLOOR PLAN - DEMOLITION

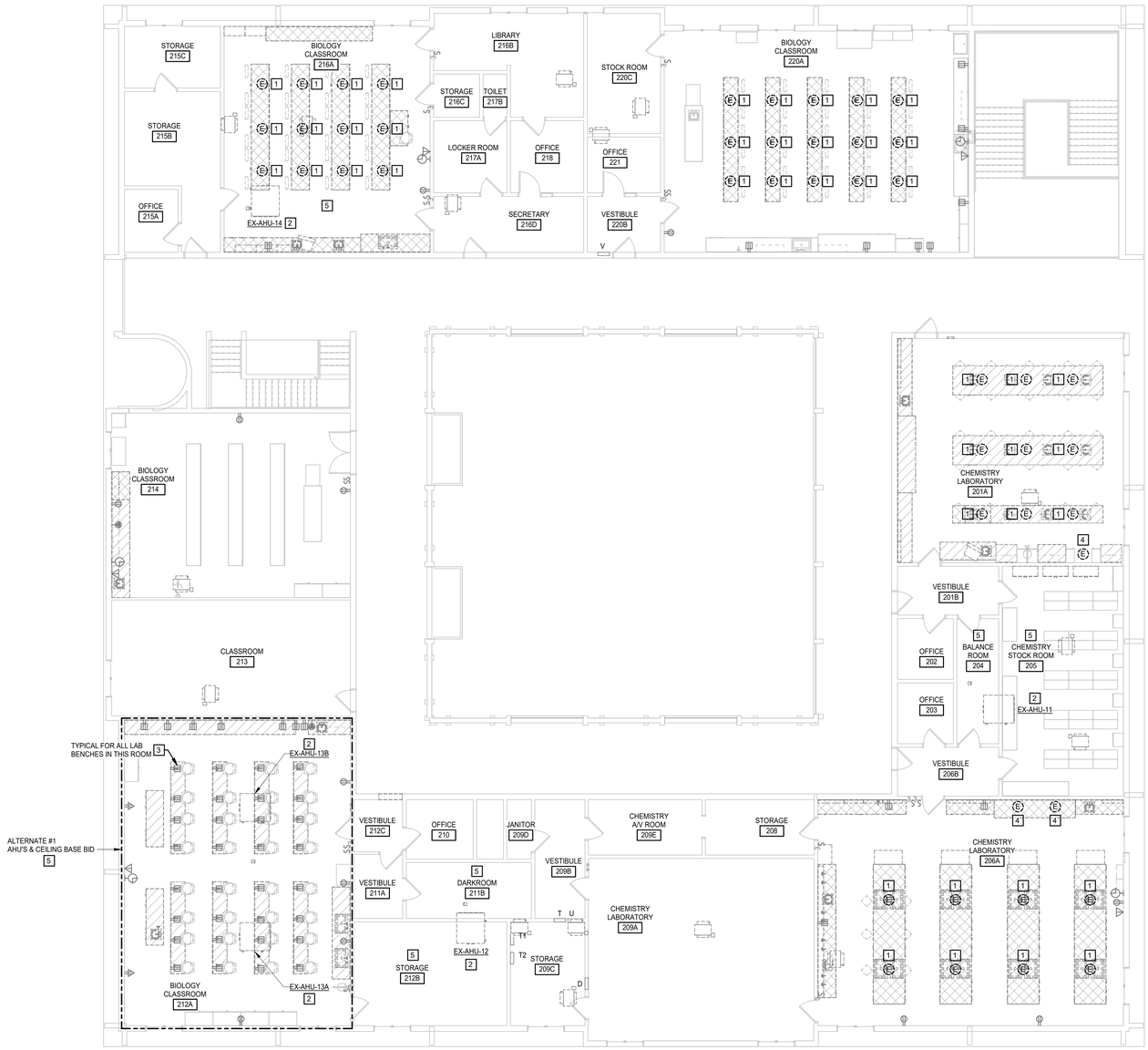
E1.1

2/9/2023 2:38:51 PM

KEYNOTES

APPLIES TO THIS DRAWING

1. DISCONNECT LAB BENCH RECEPTACLE BRANCH CIRCUIT & MAINTAIN FOR REUSE TO ACCOMMODATE COUNTERTOP REPLACEMENT.
2. DISCONNECT MECHANICAL EQUIPMENT BRANCH CIRCUIT IN ITS ENTIRETY.
3. REMOVE & REINSTALL EXISTING COUNTERTOP RECEPTACLE TO ACCOMMODATE COUNTERTOP REPLACEMENT. COORDINATE PENETRATION AND MOUNTING REQUIREMENTS WITH DIVISION 12.
4. DISCONNECT FUME HOOD RECEPTACLE AND LIGHTING BRANCH CIRCUIT, MAINTAIN FOR REUSE.
5. REMOVE & REINSTALL ALL CEILING MOUNTED ELECTRICAL/DATA DEVICES IN THIS ROOM INCLUDING BUT NOT LIMITED TO RECEPTACLES, WIRELESS ACCESS POINTS, LIGHT FIXTURES, OCCUPANCY SENSORS, AND SPEAKERS TO ACCOMMODATE CEILING REPLACEMENT. REINSTALL ALL DEVICES & FIXTURESIN ACCORDANCE WITH SPECIFICAITON SECTION 260529.



N

SECOND FLOOR - DEMOLITION

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

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REVISIONS	
DATE	DESCRIPTION

SECOND FLOOR PLAN - DEMOLITION

E1.2

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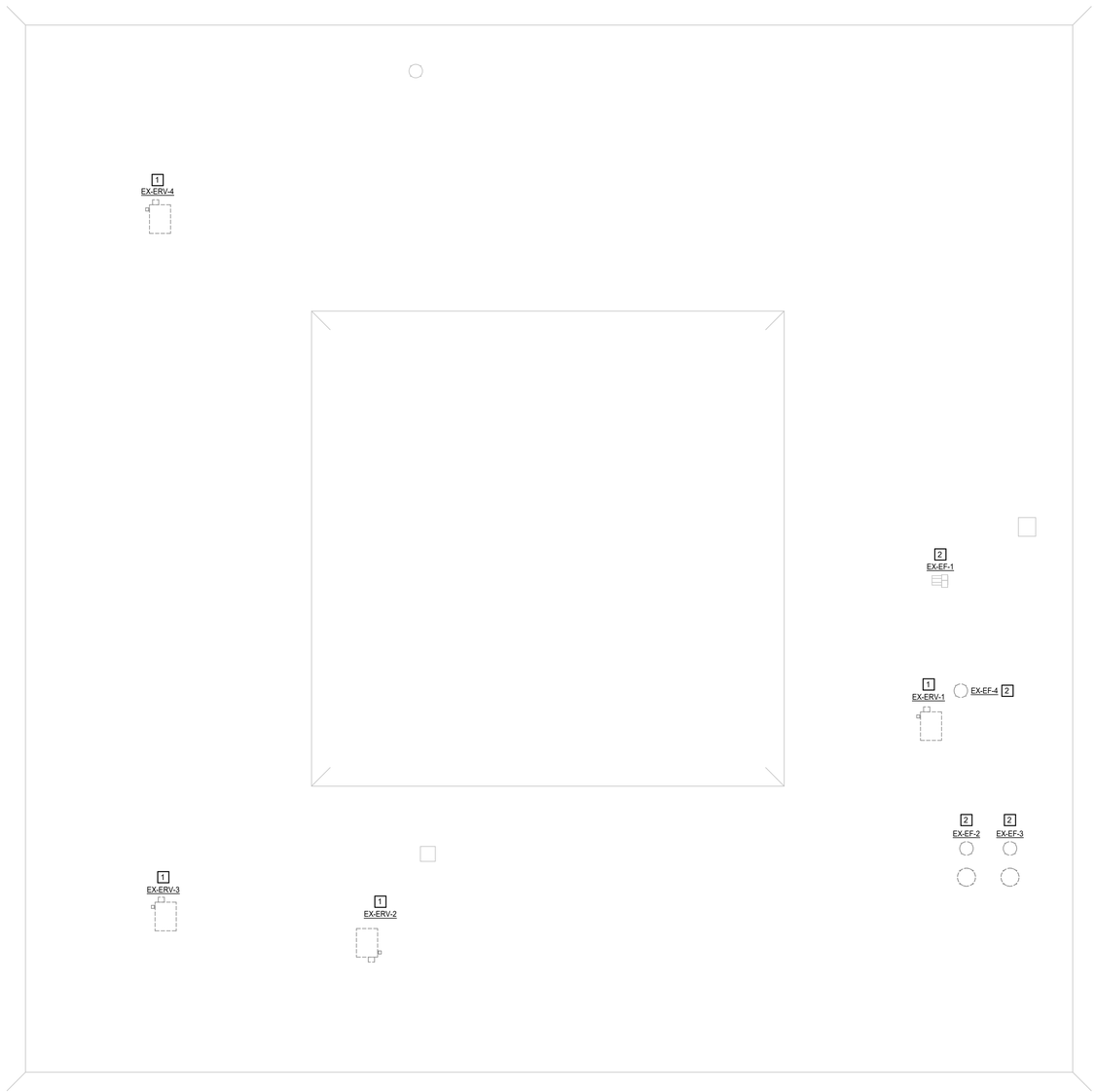
KEYNOTES

APPLIES TO THIS DRAWING

1 DISCONNECT MECHANICAL EQUIPMENT FOR REPLACEMENT BY DIV 23. MAINTAIN BRANCH CIRCUIT FOR REUSE.

2 DISCONNECT MECHANICAL EQUIPMENT BRANCH CIRCUIT IN ITS ENTIRETY.



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ROOF PLAN - DEMOLITION

1/8" = 1'-0"

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DATE	DESCRIPTION

ROOF PLAN - DEMOLITION

E1.3

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DIV 23 ELECTRICAL CONNECTION SCHEDULE E2.1.2

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AHU-7A	208 V	3	2.8 kVA	R	38,40,42	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	REPLACE EXISTING 20A/3P AHU BREAKER WITH 15A/3P BREAKER
AHU-7B	208 V	3	2.8 kVA	R2	37,39,41	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	REPLACE EXISTING 20A/3P AHU BREAKER WITH 15A/3P BREAKER
AHU-8	208 V	3	4.0 kVA	R	32,34,36	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	CONNECT TO EXISTING 20A/3P BREAKER
AHU-9	208 V	3	2.8 kVA	S	8,10,12	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	REPLACE EXISTING 20A/3P AHU BREAKER WITH 15A/3P BREAKER
AHU-10	208 V	3	4.0 kVA	S	13,15,17	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	CONNECT TO EXISTING 20A/3P BREAKER PREVIOUSLY SERVING AHU

KEYNOTES

APPLIES TO THIS DRAWING

1 PROVIDE 120V, 20A BRANCH CIRCUIT FOR VAVS ON THIS FLOOR. COORDINATE EXACT LOCATION AND TERMINATION REQUIREMENTS WITH DIV 23 & VAV MANUFACTURER PRIOR TO ROUGH-IN.

2 DISCONNECT/RECONNECT EXISTING DUCT DETECTOR CABLING TO ACCOMMODATE DUCT DETECTOR RELOCATION. EXTEND EXISTING CABLING AS REQUIRED. PERFORM REACCEPTANCE TESTING PER NFPA 72 14.4.1.2

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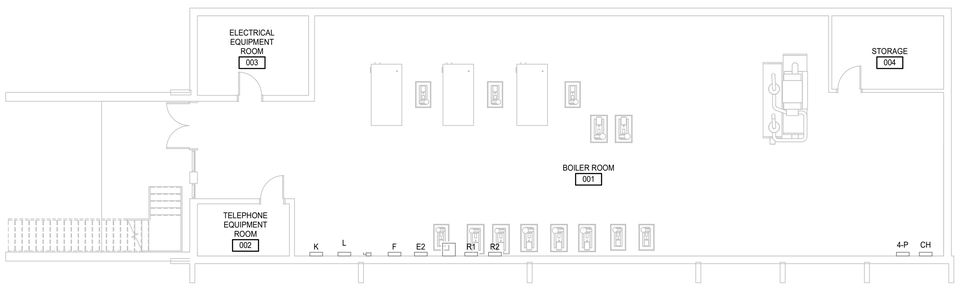
FIRST FLOOR PLAN - POWER & COMMUNICATIONS

1/8" = 1'-0"



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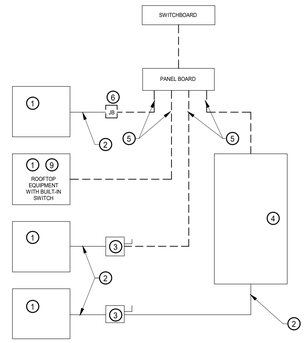
BASEMENT FLOOR PLAN - POWER

1/8" = 1'-0"

1. MECHANICAL EQUIPMENT
2. CONDUIT AND WIRING BY MECHANICAL CONTRACTOR.
3. IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC, IT SHALL BE PROVIDED AND INSTALLED BY THE EQUIPMENT CONTRACTOR.
4. A COMBINATION STARTER OR VFD MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER. LOCATE ADJACENT TO EQUIPMENT.
5. FEEDER CIRCUIT WIRING AND CONDUIT IN ELECTRICAL WORK. SEE ELECTRICAL DRAWINGS.
6. JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT. IF NO STARTER OR DISCONNECT IS SUPPLIED, A JUNCTION BOX SHALL BE INSTALLED ADJACENT TO EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. LOAD SIDE WIRING WILL BE PROVIDED BY MECHANICAL CONTRACTOR.
7. PROJECTS UTILIZING AN MCC: THE STARTER, JB, OR VFD IN THE MCC ARE PROVIDED BY THE ELECTRICAL DRAWINGS.
8. IN ALL CASES, THE EQUIPMENT CONTRACTOR SHALL MAKE FINAL CONNECTIONS, START UP, AND TEST EQUIPMENT.
9. IF THE ROOFTOP FAN IS NOT PROVIDED WITH A BUILT-IN SWITCH, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A DISCONNECT SWITCH.
10. IN A SINGLE PRIME CONTRACT, IT IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR TO COORDINATE BETWEEN THE ELECTRICAL AND OTHER TRADES.



DIVISION 23 AND 26 COORDINATION DETAIL

NO SCALE

0' 2' 4' 8' 16'

1/8" = 1'-0"

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MEYER HALL RENOVATIONS

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FIRST FLOOR PLAN - POWER & COMMUNICATIONS

E2.1.2

2/9/2023 2:38:54 PM

DIV 23 ELECTRICAL CONNECTION SCHEDULE E2.2.2

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
AHU-11	208 V	3	1.7 kVA	T	8,10,12	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	REPLACE EXISTING 20A/3P AHU BREAKER WITH 15A/3P BREAKER
AHU-12	208 V	3	1.7 kVA	T	2,4,6	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	CONNECT TO EXISTING 20A/3P BREAKER PREVIOUSLY SERVING AHU
AHU-13A	208 V	3	1.7 kVA	T	1,3,5	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	REPLACE EXISTING 20A/3P AHU BREAKER WITH 15A/3P BREAKER
AHU-13B	208 V	3	1.7 kVA	T2	9,11,13	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	REPLACE EXISTING 20A/3P AHU BREAKER WITH 15A/3P BREAKER
AHU-14	208 V	3	1.7 kVA	V	2,4,6	(3) #12, (1) #12 E.G. IN 3/4"C	BY DIV 23	REPLACE EXISTING 20A/3P AHU BREAKER WITH 15A/3P BREAKER

KEYNOTES

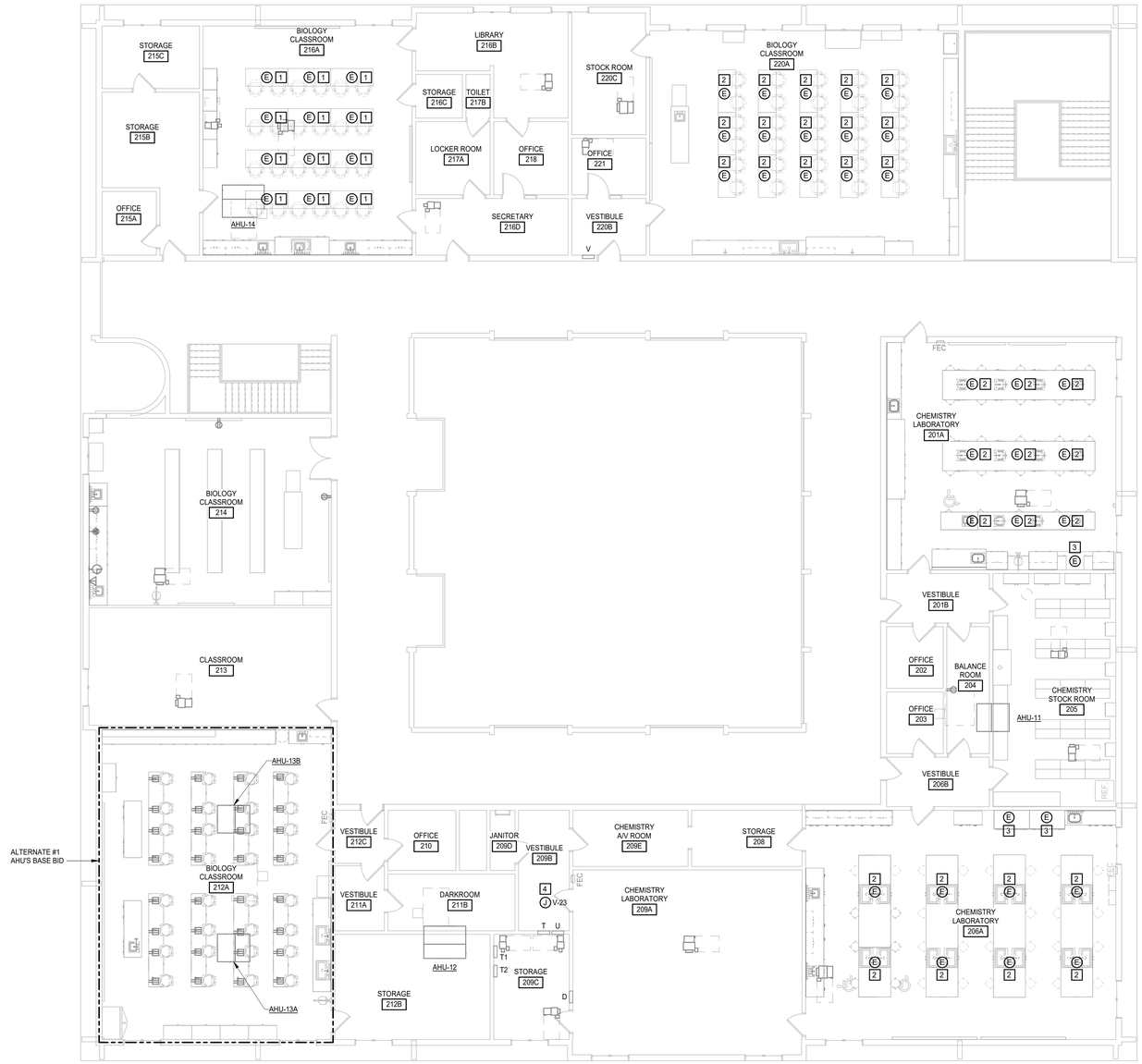
APPLIES TO THIS DRAWING

1 RECONNECT EXISTING LAB BENCH RECEPTAACLE BRANCH CIRCUIT & EXTEND EXISTING 120V 20A BRANCH CIRUIT TO ACCOMMODATE NEW BENCH CONFIGURATION.

2 RECONNECT EXISTING LAB BENCH RECEPTACLE TO EXISTING BRANCH CIRCUIT. EXTEND EXISTING 120V 20A BRANCH CIRCUIT AS REQUIRED.

3 RECONNECT EXISTING FUME HOOD RECEPTACLE AND LIGHTING BRANCH CIRCUIT. EXTEND AS REQUIRED UTILIZING (2) #12, (1) #12 E.G..

4 PROVIDE 120V, 20A BRANCH CIRCUIT FOR VAVS ON THIS FLOOR. COORDINATE EXACT LOCATION AND TERMINATION REQUIREMENTS WITH DIV 23 & VAV MANUFACTURER PRIOR TO ROUGH-IN.



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SECOND FLOOR PLAN - POWER & COMMUNICATIONS

1/8" = 1'-0"

0' 2' 4' 8' 16'

1/8" = 1'-0"

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MEYER HALL RENOVATIONS

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SECOND FLOOR PLAN - POWER & COMMUNICATIONS

E2.2.2

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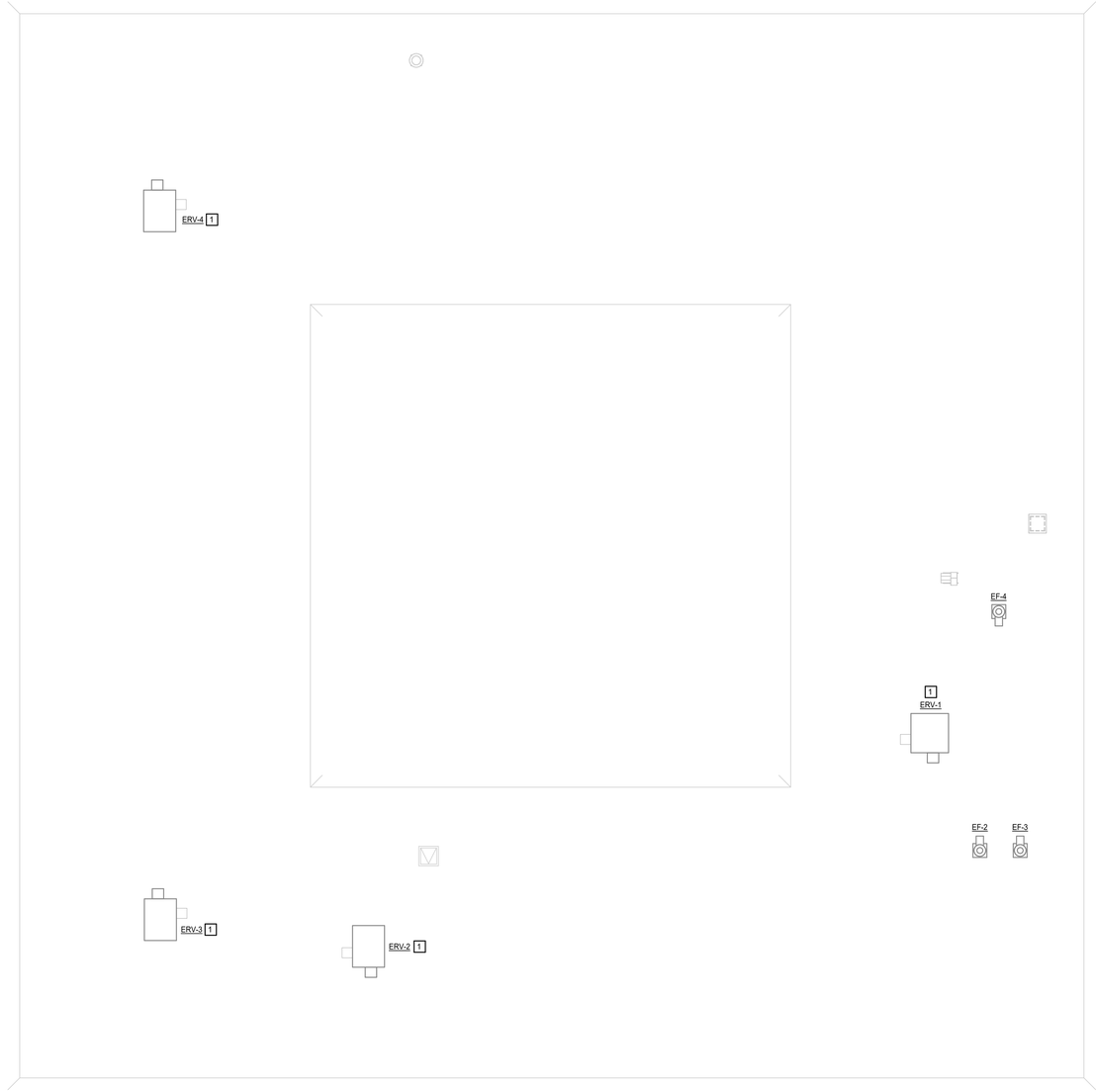
DIV 23 ELECTRICAL CONNECTION SCHEDULE E2.3

TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS
EF-2	120 V	1	0.7 kVA	U	29	(2) #12, (1) #12 E.G. IN 3/4"C	MANUAL MOTOR STARTER	CONNECT TO EXISTING 20A/1P BREAKER. ROUTE THROUGH FUME HOOD CONTROLS IN 206
EF-3	120 V	1	0.7 kVA	U	31	(2) #12, (1) #12 E.G. IN 3/4"C	MANUAL MOTOR STARTER	CONNECT TO EXISTING 20A/1P BREAKER. ROUTE THROUGH FUME HOOD CONTROLS IN 206
EF-4	120 V	1	0.7 kVA	T1	40	(2) #12, (1) #12 E.G. IN 3/4"C	MANUAL MOTOR STARTER	CONNECT TO EXISTING 20A/1P BREAKER. ROUTE THROUGH FUME HOOD CONTROLS IN 201

KEYNOTES

APPLIES TO THIS DRAWING

1 RECONNECT MECHANICAL EQUIPMENT TO EXISTING BRANCH CIRCUIT.



N

ROOF PLAN - POWER

1/8" = 1'-0"

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MEYER HALL RENOVATIONS

SCO # 21-23544-01A
SANDHILLS COMMUNITY COLLEGE
3395 Airport Road, Pinehurst, NC 28374

PROJECT NO: 612392
DATE: FEBRUARY 13, 2023

REVISIONS	
DATE	DESCRIPTION

ROOF PLAN - POWER

E2.3

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