HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

2451 US-501, Conway, SC 29526

Issue Date/ Description: 03/02/2026 CONST DOCS
MPS Project No: 025199.00
Agency Review ID: H59-N315-CB

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DRAWING LIST

GENERAL

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G100	CODE SUMMARY & TABLES
G110	LIFE SAFETY PLAN

STRUCTURAL

Sheet Number	Sheet Name
S100	MISCELLANEOUS ROOF TOP DETAILS

ARCHITECTURAL

Sheet Number	Sheet Name
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A003	PARTITION TYPES
A020	EXISTING PLAN
A021	DEMOLITION PLAN
A030	EXISTING RCP
A031	DEMOLITION RCP
A110	ANNOTATION PLAN
A111	DIMENSION PLAN
A210	ANNOTATION RCP
A400	ENLARGED MILLWORK ELEVATIONS - SCIENCE
A401	ENLARGED MILLWORK ELEVATIONS
A420	ENLARGED RESTROOM PLANS & ELEVATIONS
A421	ENLARGED RESTROOM PLANS & ELEVATIONS
A620	CASEWORK / MILLWORK DETAILS
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INTERIORS

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ID002	ROOM FINISH SCHEDULE
ID100	FLOOR FINISH PLAN
ID110	WALL FINISH PLAN

FIRE PROTECTION

Sheet Number	Sheet Name
FP001	FIRE PROTECTION NOTES, LEGENDS, & DETAILS
FP101	LEVEL 1 FIRE PROTECTION PLAN

PLUMBING

Sheet Number	Sheet Name
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P002	PLUMBING DETAILS
P101	LEVEL 1 DOMESTIC WATER PLAN
P201	LEVEL 1 SANITARY & VENT PLAN
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PD201	LEVEL 1 SANITARY & VENT DEMOLITION PLAN

MECHANICAL

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M002	MECHANICAL SCHEDULES
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ELECTRICAL

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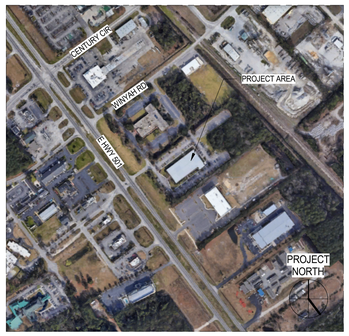
E101	LEVEL 1 POWER & TELECOM PLAN
E201	LEVEL 1 LIGHTING PLAN
E301	LEVEL 1 SYSTEMS PLAN
E500	ELECTRICAL ELEVATIONS & ENLARGED VIEWS
ED101	LEVEL 1 POWER & TELECOM DEMOLITION PLAN
ED201	LEVEL 1 LIGHTING DEMOLITION PLAN
ED301	LEVEL 1 SYSTEMS DEMOLITION PLAN



SITE MAP



VICINITY MAP

mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

SEALS

STATE OF SOUTH CAROLINA
McMILLAN PAZDAN SMITH, LLC
GREENVILLE, SC
100573
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
JEFFREY K. TIDDY
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7129
REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 01/01/2023
PHASE: 00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: Author

SHEET TITLE:
COVER SHEET

SHEET NO. G001

PROJ. NO. 025199.00

OSE APPLICABLE CODES AND STANDARDS

A. International Building Code (IBC), 2021 Edition with SCBC modifications
B. International Existing Building Code (IEBC), 2021 Edition
C. International Fire Code (IFC), 2021 Edition with SCBC modifications
D. International Energy Conservation Code (IECC), 2009 Edition
E. International Fuel Gas Code (IFGC), 2021 Edition with SCBC modifications
F. International Mechanical Code (IMC), 2021 Edition with SCBC modifications
G. International Plumbing Code (IPC), 2021 Edition with SCBC modifications, and the following insertions:
   1. Section 305.4.1, insert "18" and insert "18"
   2. Section 903.1, insert "8"
H. National Electrical Code (NEC) [NFPA-70], 2020 Edition with SCBC modifications
I. National Electrical Safety Code (NESC), IEEE-C2-2017 Edition
J. Accessible and Useable Buildings and Facilities, ICC A117.1 (latest edition). Note, this is the standard adopted by the South Carolina Accessibility Act, but this requirement does not relieve the Agency or the design professional from the Federal Statutory requirements that design, and construction comply with the Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities. See http://www.access-board.gov/guidelines-and-standards/buildings-and-sites/about-the-ada-standards/ada-standards.
K. State Fire Marshal rules, regulations, and policies. See http://statefire.llr.sc.gov/osfm/index.aspx.
L. South Carolina Elevator, Code, & Regulations. The SC Elevator Code references the American Society of Mechanical Engineers Safety Code for Elevators, Dumbwaiters, Escalators, and Moving Walks, and supplements thereto, ASME A17.1-2019. See http://www.llr.sc.gov/elevators/ .
M. State of SC Telephone Equipment Room and Communications/Data Systems Policies as formulated by the Office of Technology and Information Services (OTIS).

TABLE 1 FLOOD HAZARD INFORMATION & FLOOD LOADS NOT APPLICABLE

FLOOD HAZARD AREA

Flood Map Information: Flood Zone:_____ *(A Floodplain Permit is required for A and V Zones)*
Community Number:_____ Panel Number:_____

Is the Project Site in a 100-Year Floodplain?	Yes ☐	No ☐
Base Flood Elevation (NGVD or FIRM)	N/A	MSL
Design Flood Elevation (IBC 1612.3 and ASCE 24)	N/A	MSL

NON HIGH-VELOCITY WAVE ACTION

Elevation of Lowest Proposed Floor (ASCE 24, Chapter 2)	N/A	MSL
Dry floodproofing (ASCE 24)	Yes ☐	No ☐

HIGH-VELOCITY WAVE ACTION

Elevation of bottom of Lowest Horizontal Structural Member of lowest floor	N/A	MSL
Flotation resistant (ASCE 24)	Yes ☐	No ☐
Breakaway wall (ASCE 24)	Yes ☐	No ☐

IBC 1612 and SE-510, as applicable

TABLE 2 SOILS & SITE NOT APPLICABLE

SOILS INVESTIGATION (If required - IBC 1803.2) Yes ☐ No ☐

SOILS CLASSIFICATION

Site Class (IBC 1613.2.2) _____
Classes Soil of Materials (UCS System) (IBC 1803.5.1) _____
Allowable Footing Bearing Pressure _____ psf

MINIMUM DESIGN SOIL BEARING LOAD (IBC Table 1806.2) _____ psf

COMPACTION

Subgrade: _____ Percent
Base: _____ Percent
Other: _____ Percent

MINIMUM DESIGN SOIL LATERAL LOAD (IBC 1610.1) _____ psf

FOOTINGS

Undisturbed footings	Yes ☐	No ☐
Compacted Fill Material (IBC 1804.6)	Yes ☐	No ☐

ELEVATIONS

Elevation of Water Table: _____ MSL
Elevation of lowest footing: _____ MSL
Elevation of lowest floor or basement: _____ MSL

TABLE 3 BASIC BUILDING CODE INFORMATION

CONSTRUCTION CLASSIFICATION (IBC 602)	Type: IIB
OCCUPANCY CLASSIFICATION (indicate all) (IBC 302 & 504.2)	A - ASSEMBLY, B - BUSINESS, S - STORAGE
MOST RESTRICTIVE OCCUPANCY CLASSIFICATION (IBC Tables 504.3, 504.4 & 506.2)	A - ASSEMBLY
Mixed Occupancy (IBC 508)	Yes ■ No ☐
Separated (IBC 506.2.2 & 508.4)	Yes ☐ No ■
Non separated (IBC 508.3)	Yes ■ No ☐
Does building require Incidental Use Area Separation? (IBC 509.1)	Yes ☐ No ■
2-way Communication Required (IBC 1009.6.5 & 1009.8)	Yes ■ No ☐
Fire Apparatus Access and Water Line (IFC 503 & 507)	Yes ☐ No ■
OTHER FIRE PROTECTION SYSTEMS, DEVICES or FEATURES If the building has any special or notable fire protection or safety feature or hazard the designers should list them here, describe the performance characteristics and refer to locations in construction documents. (e.g. fire extinguishers, smoke- evacuation/control/compartments - IBC 414.1.3.)	N/A

TABLE 3E CODE INFORMATION FOR ADDITIONS, ALTERATIONS, OR CHANGE OF OCCUPANCY TO AN EXISTING STRUCTURE

TYPE OF PROJECT

■ Alteration (IEBC Chaps. 7, 8 & 9) ☐ Addition (IEBC Chap. 11) ☐ Change of Occupancy (IEBC Chap. 10)

METHOD OF COMPLIANCE: (Check only one Option and all items that apply under that Option.)

☐ **Option 1: Prescriptive Compliance Method (IEBC Chapter 5)**
■ **Option 2: Work Area Compliance Method (IEBC Chaps. 6-12)**
☐ Alteration Level 1, minor including reroofing (IEBC Chap. 7)
☐ Alteration Level 2, reconfigurations of space (IEBC Chap. 8)
■ Alteration Level 3, work area exceeds 50% (IEBC Chap. 9)
Aggregate area of building 31,710 SF
Work area: 31,710 SF
☐ **Option 3: Performance Compliance Method (IEBC Chap. 13)**

CONSTRUCTION CLASSIFICATION (IBC 602) Type: II-B

Change of Occupancy:	■ Yes	☐ No
Existing Occupancy Classification(s): BUSINESS (B)		
New Occupancy Classification(s): BUSINESS (B) AND ASSEMBLY (A-3)		
Original Building Code and Edition Applicable at time of Construction: 1996 SOUTHERN STD BLDG CODE (SBBC)		
Provisions for Accessibility Required (IEBC 306)?	■ Yes	☐ No
Existing Sprinkler System?	■ Yes	☐ No
Existing Fire Alarm System?	☐ Manual	■ Auto
Seismic Evaluation Required?	☐ Yes	■ No
Major Facility Project? (See §48-52-810(10)(a))	■ Yes	☐ No
Historic Building (IEBC Chapter 12):		☐

☐ Preservation ☐ Rehabilitation ☐ Restoration ☐ Reconstruction

TABLE 4 BUILDING HEIGHT & AREA

BUILDING HEIGHT

	AS DESIGNED		AS ALLOWED BY IBC	
	In Feet	In Stories	In Feet	In Stories
IBC TABLE 504.3	23	N/A	75	N/A
IBC TABLE 504.4	N/A	1	N/A	4
TOTAL HEIGHT (including any Allowable Increase)	23	1	75	4

BUILDING AREA

AREA LIMIT AS ALLOWED BY IBC TABLE 506.2 (area limitation for each story) 38,000 SF

AREA INCREASES AS ALLOWED BY IBC SECTIONS 506.2 & 506.3 N/A SF (maximum modified area for each story)

EXPLANATION OF INCREASES: AREA INCREASE NOT REQUIRED

AREA AS ALLOWED BY IBC

Story: 1	38,000	SF (area this story)
Story:		SF (area this story)
Story:		SF (area this story)
Story:		SF (area this story)
Story:		SF (area this story)

TOTAL AREA OF BUILDING ALLOWED BY IBC (sum of all stories) 38,000 SF

AREA AS DESIGNED PER IBC SECTION 202 GROSS BUILDING AREA DEFINITION

Story: 1	31,710	SF (area this story)
Story:		SF (area this story)
Story:		SF (area this story)
Story:		SF (area this story)
Story:		SF (area this story)

★ **ACCESSORY OCCUPANCY** (IBC 508.2 & Table 506.2)

	SF (area this story)
	SF (area this story)
	SF (area this story)
	SF (area this story)
	SF (area this story)

TOTAL DESIGNED AREA OF BUILDING (summary of all stories) 31,710 SF

★ **REF. LIFE SAFETY PLANS FOR SPACES NOTED AS "B OCCUPANCY - NOT ASSEMBLY, < 750 SF":**

SECTION 303.1.2 - SMALL ASSEMBLY SPACES:

THE FOLLOWING ROOMS AND SPACES SHALL NOT BE CLASSIFIED AS ASSEMBLY OCCUPANCIES:

1. A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES WITH AN OCCUPANT LOAD OF LESS THAN 50 PERSONS AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY.

2. A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES THAT IS LESS THAN 750 SQUARE FEET IN AREA AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS A GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY

NO SEPARATION IS REQUIRED BETWEEN ACCESSORY OCCUPANCIES AND THE MAIN OCCUPANCY.

IBC INTERPRETATION NO. 20-24 NOTED IN IBC COMMENTARY SECTION 303.1.2: THESE ASSEMBLY SPACES (INDIVIDUALLY OR IN AGGREGATION) ARE NOT REQUIRED TO BE LESS THAN 10 PERCENT OF THE AREA OF THE STORY ON WHICH THEY ARE LOCATED. THESE EXCEPTIONS ARE NOT LIMITED BY ACCESSORY USE REQUIREMENTS FOUND IN SECTION 508.2

TABLE 5 BUILDING DESIGN OCCUPANT LOAD

STORY	FUNCTION OF SPACE (1)	A: FLOOR AREA (2) (NSF or GSF)	B: MAX AREA ALLOWED PER OCCUPANT (3) (NSF or GSF)	C: OCCUPANTS ON FLOOR FOR THIS FUNCTION (4)	D: DESIGN OCCUPANT LOAD (5)
	Subtotal Design Occupant Load for This Story				
1	BUSINESS	1,953 GSF	150 GSF	17	
	BUSINESS - Accessory Use	4,401 GSF	VARIES - SEE PLAN	73	
	CLASSROOM	2,999 GSF	20 NSF	151	
	CLASSROOM - Vocational	10,135 GSF	50 NSF	206	
	STOR / MECH - (B Accessory)	4,052 GSF	300 GSF	23	
	A-3 ASSEMBLY - Lecture Hall	3,264 GSF	SEE PLAN	128	
	Subtotal Design Occupant Load for This Story				598
	Subtotal Design Occupant Load for This Story				
	Subtotal Design Occupant Load for This Story				
TOTAL BUILDING DESIGN OCCUPANT LOAD					598 (6)

FOOTNOTES:
1. Provide the complete name of the Function of Space using the left column of Table 1004.5 of the IBC (1)
2. Design Area per each occupant of this Function on this Story in either Gross (GSF) or Net (NSF) Square Footage (2)
3. Allowed Floor Areas in SF per Occupant per right column in Table 1004.5 of the IBC (3)
4. Divide Column A (2) by Column B (3) for each function and enter result, rounded up to the nearest whole person (4)
5. Subtotal all Column C values for this floor to yield the Design Occupant Load (5)
6. Total Building Design Occupant Load –sum of all Column D value (6)

TABLE 6 GENERAL FIRE PROTECTION REQUIREMENTS

SEPARATIONS

Fireblocking Required (IBC Section 718)	Yes ☐	No ■
Draftstopping Required (IBC Section 718)	Yes ☐	No ■
Smoke Control System Required (IBC Section 909)	Yes ☐	No ■
Smoke Barriers Required (IBC Section 407 & 408)	Yes ☐	No ■
Smoke Partitions Required (IBC Section 407)	Yes ☐	No ■
Fire Partition Required (IBC Section 708)	Yes ☐	No ■
Fire Barrier Required (IBC Section 707)	Yes ☐	No ■

ALARM & DETECTION

Fire Alarm System Required (IFC Section 907)	Yes ■	No ☐
Emergency/Voice Alarm Communications System Required (IFC Section 907.5.2.2)	Yes ☐	No ■
Fire Command Center Required (IFC Section 508)	Yes ☐	No ■

SUPPRESSION

Standpipes Required (IFC Section 905)	Yes ☐	No ■
Sprinklers Required (IFC Section 903)	Yes ■	No ☐
Sprinklers Provided (_____)	Yes ■	No ☐
Portable extinguishers required (IFC 906)	Yes ■	No ☐
Other suppression systems required (IFC 904)	Yes ☐	No ■
Smoke & heat vents required (IFC 910)	Yes ☐	No ■

OTHER: *(Indicate other provided fire and life safety features not listed above, if any)*

Emergency Responder Radio Coverage (IFC Section 510)	Yes ■	No ☐

TABLE 7 FIRE RESISTANCE RATING OF BUILDING ELEMENTS

BUILDING ELEMENT	RATING AS REQUIRED (in hours)	RATING AS DESIGNED (in hours)	TESTING AGENCY & DESIGN NO. (UL, FM, etc)	DESIGNERS WALL / PARTITION KEY CODE
Primary Structural Frame (IBC Table 601)	0	0	N/A	
Bearing Walls: (IBC Table 601)				
Exterior (IBC Table 705.5)	0	0	N/A	N/A
Interior	0	0	N/A	N/A
Nonbearing Walls & Partitions (IBC Table 601, including footnote "d" & 602)				
Exterior (IBC Table 705.5)	0	0	N/A	N/A
Interior	0	0	N/A	N/A
Floor Construction (IBC Table 601) (including supporting beams & joists)	0	0	N/A	
Roof Construction (IBC Table 601) (including supporting beams & joists)	0	0	N/A	
Fire Walls (IBC Section 706)	N/A	N/A	N/A	N/A
Fire Barriers (IBC Section 707)	1 HR	1 HR	UUII-U906	MA8_2
Fire Partitions (IBC Section 708)	1 HR	1 HR	N/A	N/A
Shaft Enclosures (IBC Section 713)	N/A	N/A	N/A	N/A
Opening & Protective Listing by Category (fire shutters, doors, etc. - IBC Section 716)	1 HR	1 HR		
Others (as required by Designer)	N/A	N/A	N/A	N/A

TABLE 8 STRUCTURAL DESIGN INFORMATION

N/A: THERE WILL BE NO ALTERATION TO ANY OF THE STRUCTURAL LOAD-CARRYING ELEMENTS.

RISK CATEGORY (IBC Table 1604.5): _____

LIVE LOADS

Floor Live Load(s)
Occupancy/Use: _____ F_R = _____ PSF
Occupancy/Use: _____ F_R = _____ PSF
Occupancy/Use: _____ F_R = _____ PSF
Occupancy/Use: _____ F_R = _____ PSF
Roof Live Load R_R = _____ PSF
Ground Snow Load (IBC Figure 1608.2 or ASCE 7) p_g = _____ PSF

WIND LOADS

Analysis Procedure (ASCE 7 or IBC 1609.1): _____
Basic Design Wind Speed (IBC Fig's. 1609.3(1)-(3)): V = _____ MPH
Exposure Category (IBC 1609.4.3): _____
Internal Pressure Coefficient (ASCE 7): GC_{pi} = _____
External Pressure Coefficient (ASCE 7): GC_p = _____
Protection of Openings Required (IBC 1609.2): Yes ☐ No ☐
If "Yes", check one: Impact Resistant Glazing ☐ Impact Resistant Covering ☐

SEISMIC LOADS

Seismic Importance Factor (ASCE 7 Table 1.5-2): I_e = _____
Site Class (IBC 1613.2.2): _____
Mapped Spectral Response Accelerations: S_S = _____ S_1 = _____
Design Spectral Response Acceleration Parameters: S_{DS} = _____ S_{D1} = _____
Seismic Design Category (IBC Tables 1613.2.5.1 and 1613.2.5.2): _____
Basic Seismic Force Resisting System: _____
Design Base Shear (ASCE 7 Chapter 12): _____ KIPS
Seismic Response Coefficient(s) (ASCE 7): C_s = _____
Response Modification Factor(s) (ASCE 7): R = _____
Analysis Procedure: _____

ARCHITECTURAL-MECHANICAL-ETC. LOADS

Provide as applicable: architectural items, mechanical, plumbing, etc. (ASCE 7) _____

SPECIAL LOADS

Provide as applicable: abnormal items, moving loads, impact, hoisting, etc. (ASCE 7)_____

*IBC Chapter 16 and ASCE 7 -- Information may be shown on initial Structural Sheet of the drawings or on Sheet with other code information. List floor design loads on structural plans.

TABLE 9 PLUMBING INFORMATION

WATER SYSTEM: Service Line Size: Existing, to Remain Inches
Peak Flow: 90 GPM Total Demand: 203 No. Fixture Units

SANITARY SEWER SYSTEM: Loading: 3820 Existing _____ GPD
Service Line Size: Existing, to Remain Inches Slope: to Remain min inches/ft

MINIMUM PLUMBING FIXTURES REQUIRED BY OCCUPANCY (IPC Section 403 & Table 403.1)
All Occupancy Classification(s) (same as OSE Table 3): A-2 ASSEMBLY, A-3 ASSEMBLY, B - BUSINESS
Total Building Design Occupant Load (same as OSE Table 6): 598

1. Occupancy: B - BUSINESS	Total Load for this Occupancy: 447	Male: 224	Female: 224
Water Closets/ Urinals (IPC Section 424.2):	MALE: 5.48 (# Urinals allowed 2.74)		FEMALE: 5.48
Lavatories:	MALE: 3.8		FEMALE: 3.8
Drinking Fountains			4.47
Unisex Toilet			N/A
Service Sink			1
Other (list)			
2. Occupancy: ASSEMBLY - FOOD COURT	Total Load for this Occupancy: 40	Male: 20	Female: 20
Water Closets/ Urinals (IPC Section 424.2):	MALE: 0.27 (# Urinals allowed 0.17)		FEMALE: 0.27
Lavatories:	MALE: 0.19		FEMALE: 0.19
Drinking Fountains			0.04
Unisex Toilet			N/A
Service Sink			1
Other (list)			
3. Occupancy: ASSEMBLY - LECTURE	Total Load for this Occupancy: 128	Male: 64	Female: 64
Water Closets/ Urinals (IPC Section 424.2):	MALE: 0.51 (# Urinals allowed 0.59)		FEMALE: 0.98
Lavatories:	MALE: 0.32		FEMALE: 0.32
Drinking Fountains			0.13
Unisex Toilet			N/A
Service Sink			1
Other (list)			

TOTAL BUILDING COUNT REQUIRED/PROVIDED (add all occupancies)

Note: Round up all numbers Whole numbers only	REQUIRED Male	REQUIRED Female	PROVIDED Male	PROVIDED Female
Total Water Closets/ Urinals	7 (# Urinals allowed 3)	7	9 (# Urinals provided 4)	7
Total Lavatories	5	5	5*	5
Total Drinking Fountains	5		5	
Total Unisex Toilets	N/A		1	
Total Service Sinks	1		1	
Total Other (list): _____	N/A		N/A	

* UNISEX LAVATORY IS CALCULATED IN REQUIRED MALE LAVATORY TOTAL

TABLE 10 MECHANICAL INFORMATION

AIR COMFORT SYSTEMS

Overall Thermal Transfer Value (OTTV): VALUE CAN NOT BE CALCULATED AS BUILDING ENVELOPE IS EXISTING BTU/(HR x °F x SF)
Building Cooling Load: 296.36 SF / Ton
Building Heating Load: 40.49 BTU/(HR x SF)

OTHER LOADING FEATURES

Glass: U Factor: EXISTING, TO REMAIN Window to wall ratio: EXISTING, TO REMAIN
Insulation Values: Roof: EXISTING, TO REMAIN Exterior Walls: EXISTING, TO REMAIN
Outside Air minimum while occupied: 4,800 CFM TO BE CONFIRMED BY ARCH. Occupants

MECHANICAL SYSTEMS, SERVICE SYSTEMS & EQUIPMENT

The HVAC system consist of 26 existing split system air handlers that provide climate control and outside air to the space. Air devices are being relocated and air redistributed to conform to the new floorplan. Existing exhaust fans provide general exhaust and new lab hoods & lab exhaust fans will provide lab air exhaust.

TABLE 11 - ELECTRICAL INFORMATION ETR: EXISTING TO REMAIN

SERVICE TRANSFORMER: ■ By Utility Company ☐ By Agency If by Agency: _____ KVA Primary _____ Voltage/Phase

ELECTRICAL SERVICE INFORMATION:

Service Voltage/Phase:	208 V/ 3PH	Amperes:	1600A
Service Entrance Conductors Size:	500 kcmil	Quantity per Phase:	4
Total Connected Load:	542.059 KVA	Estimated Demand Factor:	_____
Estimated Maximum Demand:	_____Amperes		
Available Fault Current in Symmetrical Amperes:	55514A Amperes		
Interrupting Capacity of Service Overcurrent Device:	65k Amperes		

Grounding Electrode System Components: ETR
☐ Metal In-ground Support Structure(s) ■ Metal Underground Water Pipe
■ Ground Ring ■ Concrete-Enclosed Electrode
☐ Plate Electrodes ■ Rod and Pipe Electrodes
☐ Other Listed Electrodes, please specify _____ ☐ Other Local Metal Underground Systems or Structures
(GROUNDING ELECTRODE SYSTEM COMPONENTS CURRENTLY SELECTED COULD BE INACCURATE. GROUNDING ELECTRODE SYSTEM COMPONENTS ARE EXISTING TO REMAIN NOT IN SCOPE)

EMERGENCY SERVICE INFORMATION:

Generator 1:	☐ Emergency	☐ Standby	■ Op. Standby	208V/3PH	Voltage/Phase	Natural Gas Fuel	60kW KVA
Generator 2:	☐ Emergency	☐ Standby	☐ Op. Standby	☐ Integral Battery		N/A Fuel	N/A KVA
Exit/Emergency Egress Lighting Backup Power				■ Battery	☐ Generator		

Fire Alarm System: ☐ Manual ☐ Auto ■ Manual/Auto ☐ Addressable Class: ☐ A ■ B ☐ (Other)
Fire Alarm System Method of Communication to Monitoring Station (please specify): CELLULAR
Fire Alarm Pathway Survivability: ☐ Level 0 ■ Level 1 ☐ Level 2 ☐ Level 3
Carbon Monoxide Detection Required? ■ Yes ■ No
Carbon Dioxide Detection Required? ■ Yes ■ No
Emergency Responder Radio Coverage Enhancement Required? ☐ Yes ■ No PENDING RADIO STUDY

LIGHTNING PROTECTION SYSTEM PROVIDED: ■ Yes ■ No

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mcmillan pazdan smith ARCHITECTURE
CONSULTANT LOGO
SEALS
STATE OF SOUTH CAROLINA McMILLAN PAZDAN SMITH, LLC GREENVILLE, SC 100573 REGISTERED ARCHITECTS
STATE OF SOUTH CAROLINA JEFFREY K. TROUP GREENVILLE, SC 7129 REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE:	01/01/2023
PHASE:	00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE:	DM
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

SHEET TITLE:

CODE SUMMARY & TABLES

SHEET NO. G100

PROJ. NO. 025199.00

LIFE SAFETY LEGEND

AREA OCCUPANCY TAG(S)

ASSEMBLY
45 (100 / 90)
- OCCUPANCY TYPE
- AREA SQ FT
- SF PER OCCUPANT
- OCCUPANCY LOAD

ASSEMBLY
57 (1,500 / 90)
- POSTED OCCUPANCY

DOOR EGRESS TAG

200 | 36 | 240
PH | 45 MIN
- EXIT OCCUPANT LOAD
- EXIT CLEAR WIDTH
- EGRESS CAPACITY
- FIRE RATING (IN MINUTES)
- PANIC HARDWARE

EGRESS PATH(S)

- TRAVEL PATH - 86'-10"
- TRAVEL PATH
- EXIT
- COMMON PATH - 86'-10"

FIRE EXTINGUISHERS

FEC FEC FEC
- FIRE EXTINGUISER
- SURFACE MOUNTED FEC
- SEMI-RECESSED FEC
- RECESSED FEC

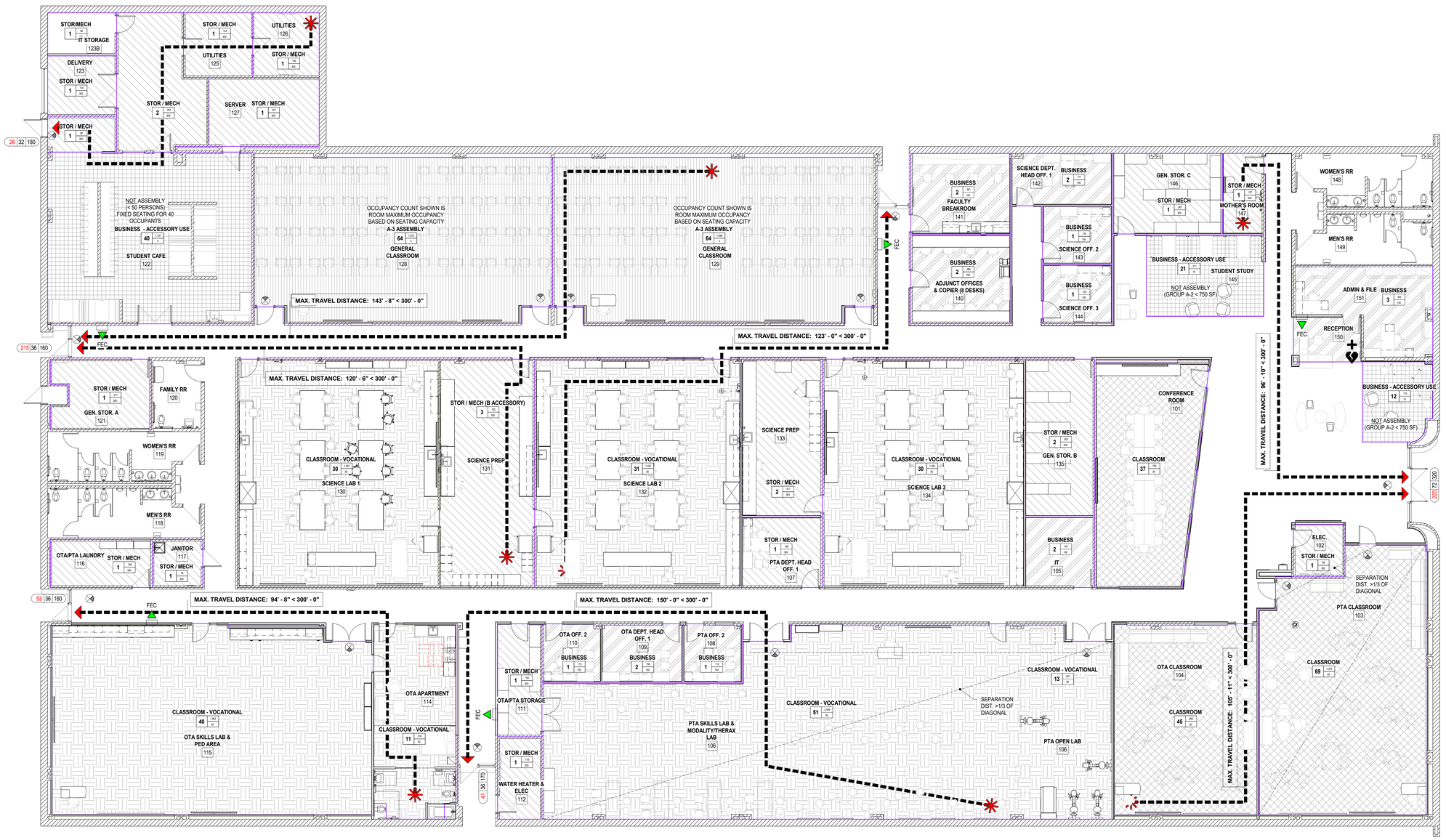
EXIT SIGNS

- CEILING MOUNTED
- WALL MOUNTED
- DIRECTION ARROWS (WHEN SHOWN)

- AED - AUTOMATIC EXTERNAL DEFIBRILLATOR INSTALLED IN RECESSED, STAINLESS STL CABINET
- FIRST AID KID, INSTALLED IN RECESSED, STAINLESS STL CABINET
- DRINKING FOUNTAIN

OCCUPANCY CLASSIFICATIONS LEGEND

- A-3 ASSEMBLY
- BUSINESS
- BUSINESS ACCESSORY
- CLASSROOM
- CLASSROOM - VOCATIONAL
- STOR / MECH



1 G110 **LEVEL 01 - LIFE SAFETY PLAN**

1/8" = 1'-0"

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STATE OF SOUTH CAROLINA — JEFFERY K. THOMPSON — GREENVILLE, SC — 7129 — REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 01/01/2023
PHASE: 00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

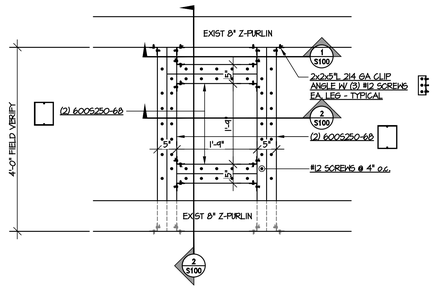
PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: Author

SHEET TITLE:

LIFE SAFETY PLAN

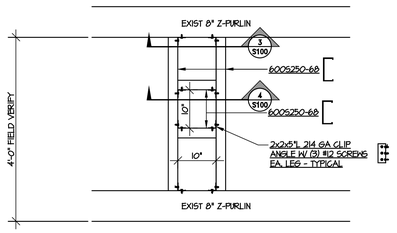
SHEET NO. G110

PROJ. NO. 025199.00



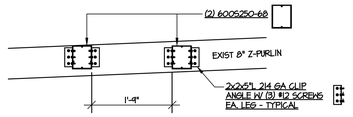
PLAN VIEW L-EF-1

SCALE: 3/4"=1'-0"



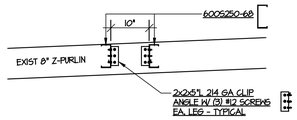
PLAN VIEW EF-1

SCALE: 3/4"=1'-0"



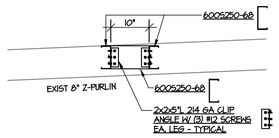
SECTION 1 S100

SCALE: 3/4"=1'-0"



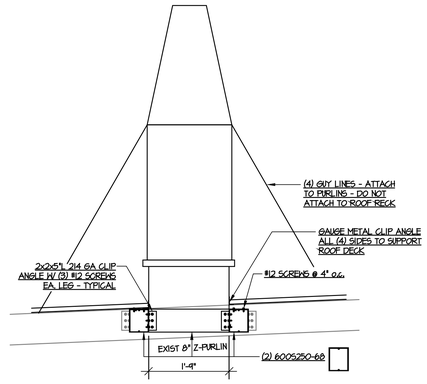
SECTION 4 S100

SCALE: 3/4"=1'-0"



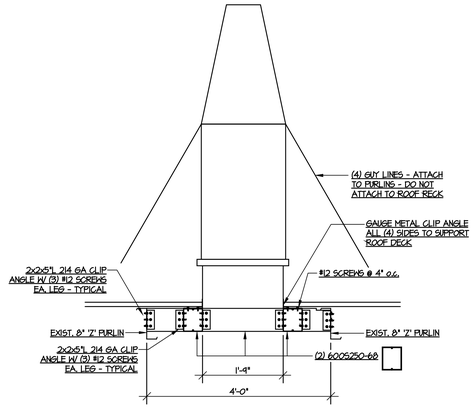
SECTION 5 S100

SCALE: 3/4"=1'-0"



SECTION 2 S100

SCALE: 3/4"=1'-0"



SECTION 3 S100

SCALE: 3/4"=1'-0"

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SEALS

SOUTH CAROLINA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS
No. 15317
03/02/2026
REGISTERED PROFESSIONAL ENGINEER
BRYAN WEATHERLY

SOUTH CAROLINA
WEATHERLY ENGINEERING LLC
MYRTLE BEACH, SC
No. 5538
CERTIFICATE OF AUTHORIZATION

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

ISSUE DATE: 03/02/2026

PHASE:

SHEET ISSUE:

NO.	DATE	DESCRIPTION
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE: ABW
PROJECT ENGINEER: ABW
DRAWN BY: CMW

SHEET TITLE:

MISCELLANEOUS ROOF TOP DETAILS

SHEET NO.

S100

PROJ. NO.
WE 26-123O.

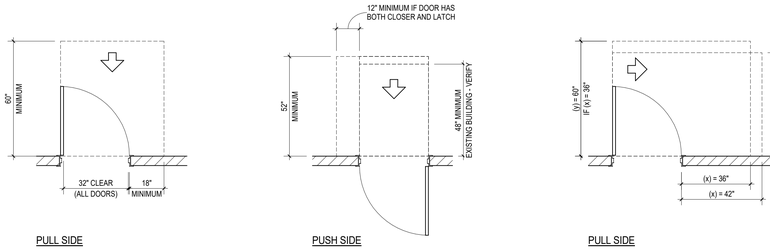
Weatherly STRUCTURAL ENGINEERS
514 Alder Street, Myrtle Beach, South Carolina
Ph. 843.448.3428 - Fax. 843.445.9116

ABBREVATION NOTES:

1. ABBREVIATIONS LISTED BELOW APPLY TO THE ARCHITECTURAL DRAWINGS ONLY, REFER TO CONSTRUCTION DOCUMENTS PREPARED BY MPS CONSULTANTS FOR ABBREVIATIONS USED.
2. REFER TO FINISH SCHEDULE FOR FINISH MATERIAL ABBREVAITIONS NOT SHOWN.

A/C	AIR CONDITION	FIXT	FIXTURE	PREFAB	PREFABRICATE
A/E	ARCHITECT/ENGINEER	FOC	FACE OF CONCRETE/ FACE OF CURB	PT	PRESSURE TREATED
ACT	ACOUSTICAL CEILING TILE	FOF	FACE OF FINISH		
ADJ	ADJACENT or ADJUSTABLE	FOM	FACE OF MASONRY	R	RADIUS
AFF	ABOVE FINISHED FLOOR	FOS	FACE OF STUD	RA	RELIEF ANGLE
AHJ	AUTHORITY HAVING JURISDICTION	FOW	FACE OF WALL	RB	RESILIENT BASE
ALT	ALTERNATE	FURN	FURNITURE	RCP	REFLECTED CEILING PLAN
ALUM	ALUMINUM			RD	ROOF DRAIN
APPROX	APPROXIMATE	GALV	GALVANIZED	REBAR	REINFORCING STEEL BARS
ARCH	ARCHITECT	GB	GRAB BAR	REF	REFERENCE
ASI	ARCHITECT'S SUPPLEMENTAL INSTRUCTION	GC	GENERAL CONTRACTOR	REINF	REINFORCE
AVG	AVERAGE	GFRC	GLASS-FIBER-REINFORCED CONCRETE	REQD	REQUIRED
		GFRG	GLASS-FIBER-REINFORCED GYPSUM	RH	ROOF HATCH
BD	BOARD	GFRP	GLASS-FIBER-REINFORCED PLASTER	RM	ROOM
BD FT	BOARD FEET (FOOT)	GL	GLASS/GLAZING	RO	ROUGH OPENING
BLDG	BUILDING	GMP	GUARANTEED MAXIMUM PRICE	RTF	RUBBER TILE FLOOR
BOS	BOTTOM OF STEEL	GYP BD	GYPSUM WALL BOARD	RTU	ROOF TOP UNIT
BOT	BOTTOM			RV	ROOF VENT
		HB	HOSE BIBB		
CAB	CABINET	HC	HOLLOW CORE	SCHED	SCHEDULE
CCTV	CLOSED CIRCUIT TELEVISION	HDW	HARDWARE	SD	SMOKE DETECTOR
CF	CONTRACTOR FURNISHED	HM	HOLLOW METAL	SHR	SHOWER
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	HORZ	HORIZONTAL	SHRD	SHOWER DRAIN
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED			SIM	SIMILAR
CFMF	COLD-FORMED METAL FRAMING	ID	INSIDE DIAMETER/ INSIDE DIMENSION	SP	STANDPIPE
CG	CORNER GUARD	INSUL	INSULATION	SPEC	SPECIFICATION(S)
CIP	CAST-IN-PLACE	INT	INTERIOR	SPRKLR	SPRINKLER
CJ	CONSTRUCTION JOINT/ CONTROL JOINT			SPKR	SPEAKER
C/L	CENTER LINE	JAN	JANITOR	SQ FT	SQUARE FOOT
CLG	CEILING	JT	JOINT	SS	SOLID SURFACE
CLR	CLEAR			SST	STAINLESS STEEL
CMU	CONCRETE MASONRY UNIT	KD	KNOCKED DOWN	STC	SOUND TRANSMISSION CLASS
CO	CLEANOUT			STOR	STORAGE
COL	COLUMN	LAM	LAMINATE	SUSP CLG	SUSPENDED CEILING
CONC	CONCRETE	LAV	LAVATORY	SYM	SYMMETRICAL
CONF	CONFERENCE	LF	LINEAR FEET (FOOT)		
COORD	COORDINATE	LOS	LINE OF SIGHT	TA	TOILET ACCESSORY
CORR	CORRIDOR	LWC	LIGHTWEIGHT CONCRETE	TBD	TO BE DETERMINED
				T&G	TONGUE AND GROOVE
DBL	DOUBLE	MAINT	MAINTENANCE	TEMP	TEMPORARY
DEMO	DEMOLITION/DEMOLISH	MAX	MAXIMUM	THRU	THROUGH
DEPT	DEPARTMENT	MED	MEDICAL	TLT	TOILET
DIA	DIAMETER	MEZZ	MEZZANINE	TOM	TOP OF MASONRY
DIAG	DIAGONAL	MID	MIDDLE	TOP	TOP OF PARAPET
DIM	DIMENSION	MIN	MINIMUM	TOS	TOP OF SLAB\ TOP OF STEEL
DISP	DISPENSER	MISC	MISCELLANEOUS	TOW	TOP OF WALL
DIST	DISTANCE	MLDG	MOLDING (MOULDING)	TS	TRANSITION STRIP
DS	DOWNSPOUT	MOD BIT	MODIFIED BITUMEN		
DW	DISHWASHER	MR	MOISTURE RESISTANT	UNFIN	UNFINISHED
		MTL	METAL	UNO	UNLESS NOTED OTHERWISE
EA	EACH	MW	MICROWAVE		
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM			VCT	VINYL COMPOSITION TILE
EJ	EXPANSION JOINT	N/A	NOT APPLICABLE	VERT	VERTICAL
EL	ELEVATION	NIC	NOT IN CONTRACT	VEST	VESTIBULE
ELEC	ELECTRIC(AL)	NO	NUMBER	VIF	VERIFY IN FIELD
ELEM	ELEMENTARY	NOM	NOMINAL		
ELEV	ELEVATOR	NTP	NOTICE TO PROCEED	W	WITH
EMER	EMERGENCY			W/O	WITHOUT
EOS	EDGE OF SLAB	OC	ON CENTER	WB	WOOD BASE
EP	EPOXY PAINT	OD	OUTSIDE DIAMETER	WC	WATER CLOSET
EPS	EXPANDED POLYSTYRENE BOARD (INSULATION)	OFD	OVERFLOW DRAIN	WD	WOOD
EQ	EQUAL	OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED	WH	WATER HEATER
EQUIP	EQUIPMENT	OF/OI	OWNER FURNISHED/OWNER INSTALLED	WP	WALL PROTECTION
EQUIV	EQUIVALENT	OPP	OPPOSITE	WRB	WATER RESISTANT BARRIER
ETR	EXISTING TO REMAIN			WSCT	WAINSCOT
EWH	ELECTRIC WATER HEATER	P	PAINT	WWF	WELDED WIRE FABRIC
EXIST	EXISTING	PAT	PATTERN	WWM	WELDED WIRE MESH
EXT	EXTERIOR	PERF	PERFORATED		
		PERM	PERMANENT	XPS	EXTRUDED POLYSTYRENE BOARD (INSULATION)
FA	FIRE ALARM	PERP	PERPENDICULAR		
FCO	FLOOR CLEANOUT	PJ	PANEL JOINT		
FD	FLOOR DRAIN	PLAM	PLASTIC LAMINATE		
FDC	FIRE DEPARTMENT CONNECTION	PLBG	PLUMBING		
FE	FIRE EXTINGUISHER	PLYWD	PLYWOOD		
FEC	FIRE EXTINGUISHER CABINET	POLYISO	POLYISOCYANURATE		
		PORC	PORCELAIN		

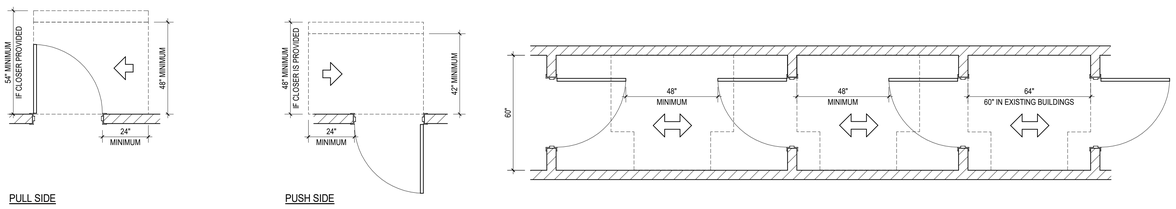
ABBREVIATIONS LIST



PULL SIDE PUSH SIDE PULL SIDE PUSH SIDE

FRONT APPROACHES

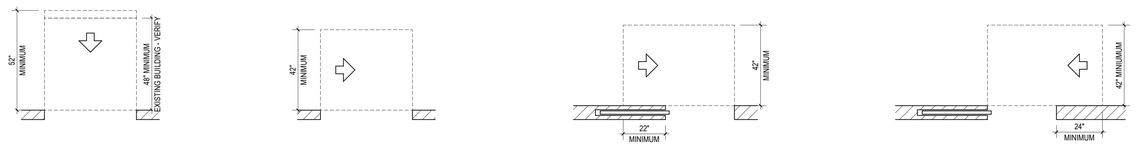
HINGE SIDE APPROACHES



PULL SIDE PUSH SIDE

LATCH SIDE APPROACHES

DOORS IN A SERIES



FRONT APPROACH SIDE APPROACH POCKET OR HINGE APPROACH STOP OR LATCH APPROACH

DOORWAY W/O DOORS, SLIDING DOORS, AND FOLDING DOORS

MANEUVERING CLEARANCES AT DOORS (ICC/ANSI-2017)

LINE TYPES

BEYOND

CENTERLINE

DEMOLISHED

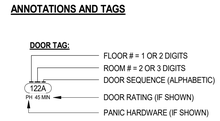
HIDDEN

OVERHEAD

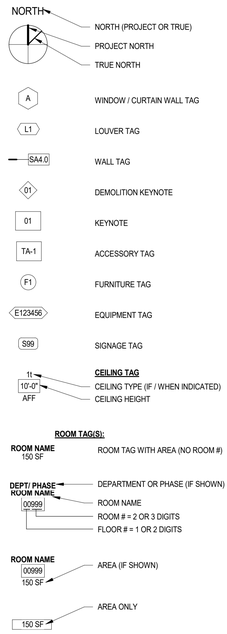
ANNOTATIONS



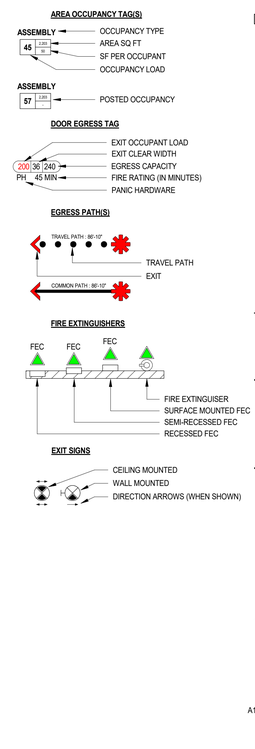
ANNOTATIONS AND TAGS



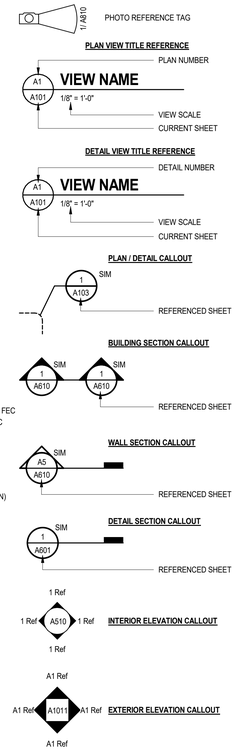
ANNOTATIONS AND TAGS



LIFE SAFETY ANNOTATIONS



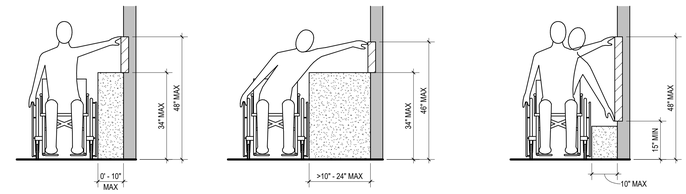
VIEW REFERENCE

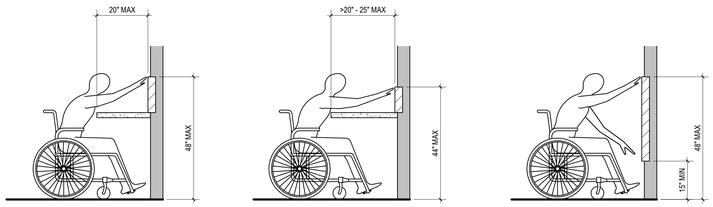


STANDARD GRAPHICS AND SYMBOLS

NOTE:

1. ALL DIMENSIONS SHOWN ARE MINIMUMS. NO CONSTRUCTION, INCLUDING APPLIED WALL BASE OR PROTRUSIONS / ENCROACHMENTS RESULTING FROM "CONSTRUCTION TOLERANCES," WILL BE ACCEPTED WITHIN DASHED REGIONS
2. DIMENSIONS AND CLEARANCES SHOWN MUST BE PROVIDED AT ALL DOORS UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REVIEW FIELD LAYOUT AND CONFIRM THAT ALL OF THE APPROPRIATE CLEARANCES ARE PROVIDED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. ANY REMEDIAL WORK THAT SHOULD HAVE BEEN AVOIDED BY BRINGING DISCREPANCIES TO THE ARCHITECT'S ATTENTION SHALL BE AT THE CONTRACTORS EXPENSE.





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mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

SEALS

STATE OF SOUTH CAROLINA — McMILLAN PAZDAN SMITH, LLC — GREENVILLE, SC — 100573 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — JEFFREY K. DUFF — GREENVILLE, SC — 7129 — REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501 Conway, SC 29526

ISSUE DATE: 01/01/2023
PHASE: 00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: Author

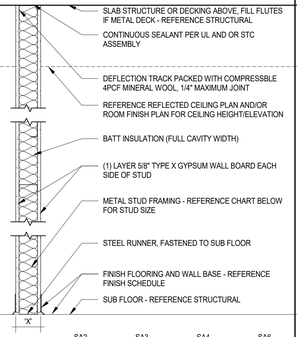
SHEET TITLE:

ABBREVIATION, SYMBOLS AND LEGENDS

SHEET NO. A001

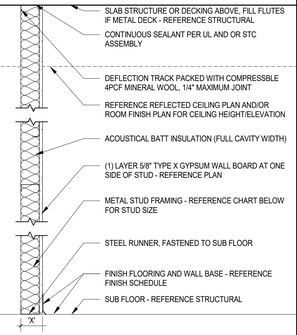
PROJ. NO. 025199.00

SA



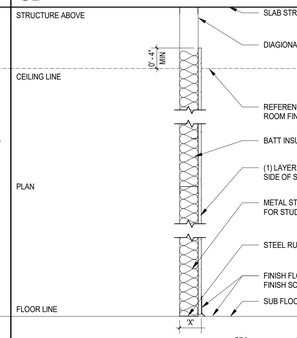
	SA2	SA3	SA4	SA6
STUD SIZE	2 1/2"	3 5/8"	4	6
ACTUAL DIMENSION 'X'	3 3/4"	4 7/8"	5 1/4"	7 1/4"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	-	-	-	-
ACOUSTICAL RATING	-	STC-40	-	-

SC



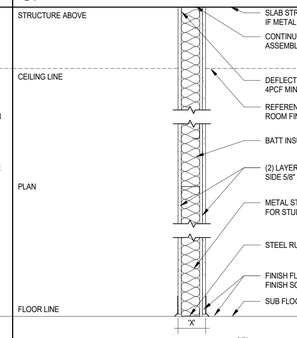
	SC2	SC3	SC4	SC6
STUD SIZE	2 1/2"	3 5/8"	4"	6
ACTUAL DIMENSION 'X'	3 1/8"	4 1/4"	4 5/8"	6 5/8"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	-	-	-	-
ACOUSTICAL RATING	-	-	-	-

SD



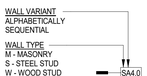
	SD2	SD3	SD4	SD6
STUD SIZE	2 1/2"	3 5/8"	4"	6
ACTUAL DIMENSION 'X'	3 1/8"	4 1/4"	4 5/8"	6 5/8"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	-	-	-	-
ACOUSTICAL RATING	-	-	-	-

SF



	SF2	SF3	SF4	SF6
STUD SIZE	2 1/2"	3 5/8"	4"	6
ACTUAL DIMENSION 'X'	4 3/8"	5 1/2"	5 7/8"	7 7/8"
FIRE RESISTANCE AND DESIGN NUMBER (SEE LIFE SAFETY FOR RATED ASSEMBLY LOCATIONS)	-	-	-	-
ACOUSTICAL RATING	-	-	-	-

WALL TAG LEGEND



FURRING	STEEL STUD	WOOD STUD	SHAFT WALL	MASONRY
L - LAMINATED	1 - 1 5/8" STUD	2 - 1 1/2" x 1 1/2" NAILER	2 - 2 1/2" SHAFT STUD	4 - 3 5/8" CMU
0 - 7/8" HAT	2 - 2 1/2" STUD	4 - 1 1/2" x 3 1/2" STUD	4 - 4" SHAFT STUD	6 - 5 5/8" CMU
1 - 1 1/2" HAT	3 - 3 5/8" STUD	6 - 1 1/2" x 5 1/2" STUD	6 - 6" SHAFT STUD	8 - 7 5/8" CMU
	4 - 4" STUD	8 - 1 1/2" x 7 1/4" STUD		10 - 9 5/8" CMU
	6 - 6" STUD	12 - 1 1/2" x 11 1/4" STUD		12 - 11 5/8" CMU
	8 - 8" STUD			

WALL FRAMING PRIORITY

A. PARTITIONS SHALL BE PRIORITIZED BASED ON FIRE AND SMOKE RATING.
B. PARTITIONS SHALL BE CONSTRUCTED SUCH THAT HIGHER PRIORITY IS FRAMED BEFORE LOWER PRIORITY.
C. LOWER PRIORITY PARTITIONS SHALL BE FRAMED TIGHT TO, BUT NOT INTERRUPT HIGHER PRIORITY CONSTRUCTION. (SEE THE EXAMPLE BELOW)

2 HOUR FIRE RATED WITH SMOKE BARRIER	PRIORITY 1 (HIGHEST)
2 HOUR FIRE RATED	PRIORITY 2
1 HOUR FIRE RATED WITH SMOKE BARRIER	PRIORITY 3
1 HOUR FIRE RATED	PRIORITY 4
NONE RATED	PRIORITY 5 (LOWEST)

GENERAL PARTITION NOTES

A. PLAN DIMENSIONS ARE FACE OF STUD, CMU OR FINISH FACE OF EXISTING WALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OTHERWISE.
B. GYPSUM WALL BOARD LAYERS ON RATED WALLS SHALL BE CONTINUOUS THROUGH ALL INTERSECTIONS WITH NON-RATED WALLS. REFER TO FIRE WALL PRIORITY DIAGRAM.
C. REFERENCE ALL FLOOR PLANS AND LIFE SAFETY PLANS FOR RATED WALL LOCATIONS AND RATINGS.
D. PROVIDE TYPE X, MOLD AND MOISTURE RESISTANT GYPSUM WALL BOARD IN ALL TOILET AND JANITOR ROOMS.
E. PROVIDE CEMENT BOARD IN ALL WET SHOWER AREA WALLS WITH TILE FINISH.
F. AT ALL JOINTS AT TOP OF ALL FIRE RATED PARTITIONS: PROVIDE COMPLETE UL LISTED FIRE RESISTIVE JOINT SYSTEM TO MATCH FIRE RESISTANCE OF WALL ASSEMBLY AND THAT IS ALSO COMPATIBLE WITH JOINT SUBSTRATES.
G. ANY PORTION OF GYPSUM WALL BOARD THAT BECOMES WET OR SHOWS SIGNS OF MOISTURE DAMAGE, EITHER BEFORE OR AFTER INSTALLATION, IS TO BE REMOVED IMMEDIATELY AND REPLACED WITH NEW DRY GYPSUM WALL BOARD.
H. INTERIOR PARTITIONS MAY HAVE ADDITIONAL FINISHES. REFERENCE FINISH SCHEDULE AND DETAIL SHEETS FOR ADDITIONAL INFORMATION.
I. PROVIDE PROJECT SPECIFIC DELEGATED DESIGN DATA INCLUDING STUD SPACING, STUD GAUGE, BRACING AND DEFLECTION.
J. SOUND ATTENUATION BLANKET IS REQUIRED AT ALL INTERIOR PARTITIONS AND SHALL RUN FULL HEIGHT OF PARTITION UNLESS NOTED OTHERWISE. SOUND ATTENUATION BATT SHALL BE AS FOLLOWS:
   a. FIRE RESISTANT PARTITIONS: MINERAL WOOL SOUND ATTENUATION FIRE BLANKET (SAFB) - FULL STUD DEPTH
   b. NON-RATED PARTITIONS: UNFACED FIBERGLASS SOUND ATTENUATION BATTS (SAB) - FULL STUD DEPTH
K. MINOR WALLS OR OTHER WALLS NOT TAGGED WILL BE OF THE SAME WALL TYPE AS ADJACENT WALLS (UNLESS OTHERWISE NOTED).
L. COORDINATE AND PROVIDE ALL REQUIRED BLOCKING WITHIN THE WALLS. THIS INCLUDES BUT IS NOT LIMITED TO, ALL MILLWORK, CASEWORK, GRAB BARS, MONITORS, AND TOILET PARTITIONS.
M. INSTALL GYPSUM WALL BOARD ON INTERIOR PARTITIONS WITH A MINIMUM 1/4" GAP BETWEEN THE GYPSUM WALL BOARD AND THE FINISHED FLOOR.
N. AT RATED PARTITIONS AND CEILINGS, INSTALL CONTROL JOINTS PER THE TESTED ASSEMBLIES.

CONTROL JOINT NOTES

GYPSUM WALL BOARD:

LOCATE CONTROL JOISTS AS FOLLOWS:

A. PROVIDE CONTROL JOINTS IN WIDTHS NO GREATER THAN 30'-0" OC, BUT NO LESS THAN 16'-0".

B. INSTALL CONTROL JOINTS ACCORDING TO ASTM C 840 AND IN SPECIFIC LOCATIONS APPROVED BY ARCHITECT FOR VISUAL EFFECT.

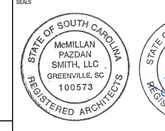
C. SUBMIT CONTROL JOINT LOCATION PLAN TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.

D. PROVIDE CONTROL JOINTS ABOVE DOOR JAMBS WHENEVER POSSIBLE.

mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

SEALS





HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

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PRINCIPAL IN CHARGE:	DM
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

SHEET TITLE:

PARTITION TYPES

SHEET NO.	PROJ. NO.
	025199.00

A003

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EXISTING PLAN LEGEND

- EXISTING DOOR TO BE DEMOLISHED, REFERENCE DEMO PLAN
- EXISTING DOOR TO REMAIN, SEE DOOR SCHEDULE FOR NOTES REGARDING REUSE OF EXISTING DOORS



A5 / A020 **LEVEL 01 - EXISTING**

3/32" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

SEALS

STATE OF SOUTH CAROLINA — McMILLAN PAZDAN SMITH, LLC — GREENVILLE, SC — 100573 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — JEFFREY K. TROUT — GREENVILLE, SC — 7129 — REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501 Conway, SC 29526

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PRINCIPAL IN CHARGE:	DM
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

SHEET TITLE:

EXISTING PLAN

SHEET NO. A020

PROJ. NO. 025199.00

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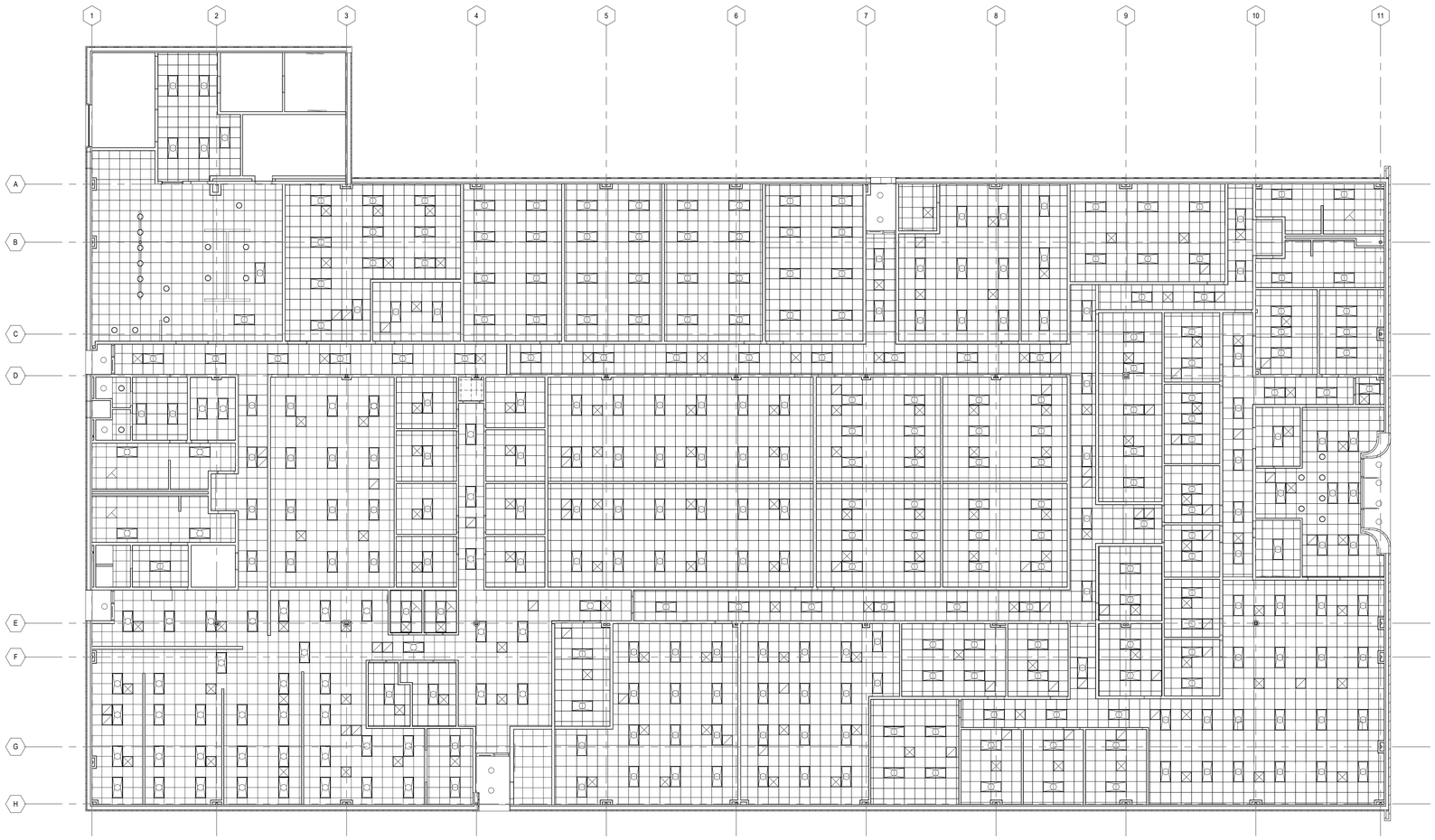
RCP NOTES & LEGEND EXISTING

EXISTING CEILING GRID

EXISTING DRYWALL CEILING

EXISTING MEP DEVICE



A5 / A030 **LEVEL 1 - EXISTING RCP**

3/32" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

SEALS

STATE OF SOUTH CAROLINA — McMILLAN PAZDAN SMITH, LLC GREENVILLE, SC 100573 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — JEFFREY K. THOMPSON GREENVILLE, SC 7129 — REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

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PRINCIPAL IN CHARGE: DM

PROJECT ARCHITECT: JT

DRAWN BY: Author

SHEET TITLE:

EXISTING RCP

SHEET NO. A030

PROJ. NO. 025199.00

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SHEET LEGEND

- DASHED LINES INDICATE ELEMENTS TO BE DEMOLISHED, SEE DEMOLITION NOTES
- SOLID LINES AND SHADED GRAPHICS INDICATE EXISTING ELEMENTS TO REMAIN
- 2' X 2' ACT CEILING TO BE DEMOLISHED, SEE DEMOLITION NOTES
- 2' X 2' ACT CEILING TO REMAIN

GENERAL DEMOLITION NOTES:

A. VERIFY WITH OWNER ANY ITEMS TO BE SALVAGED & DISPOSITION OF SUCH ITEMS

B. CLEAN AND PREPARE INTERIOR SURFACES AND MATERIALS AFFECTED BY DEMOLITION TO ACCOMMODATE NEW CONSTRUCTION. GC RESPONSIBLE FOR PATCHING AND/OR PROVIDED NEW FINISH TO ALL AREAS OF REWORKED OR DISTURBED INTERIOR SURFACES THAT WILL REMAIN

C. REVIEW PLANS AND REFLECTED CEILING PLANS TO COORDINATE EXTENT OF WALL AND CEILING DEMOLITION REQUIRED FOR NEW CONSTRUCTION

D. REF. STRUCT., PLUMBING, MECH., & ELEC. FOR SELECTIVE DEMOLITION AND REMOVAL OF EXISTING STRUCTURAL PLUMBING, MECHANICAL AND ELECTRICAL BUILDING ELEMENTS NOT NECESSARILY SHOWN IN THIS DRAWING

E. DEMOLISH AND REMOVE ALL EXISTING FLOOR FINISHES, U.N.O. REF. GC SHALL BE RESPONSIBLE FOR REFERENCING NEW FINISH SCHEDULE TO PREPARE EXISTING SURFACES FOR NEW FINISH MATERIAL PER MATERIAL SPECIFICATIONS.

F. ALL EXIST. ROOF DRAIN LEADERS TO REMAIN, U.N.O. REF PLUMBING DRAWINGS

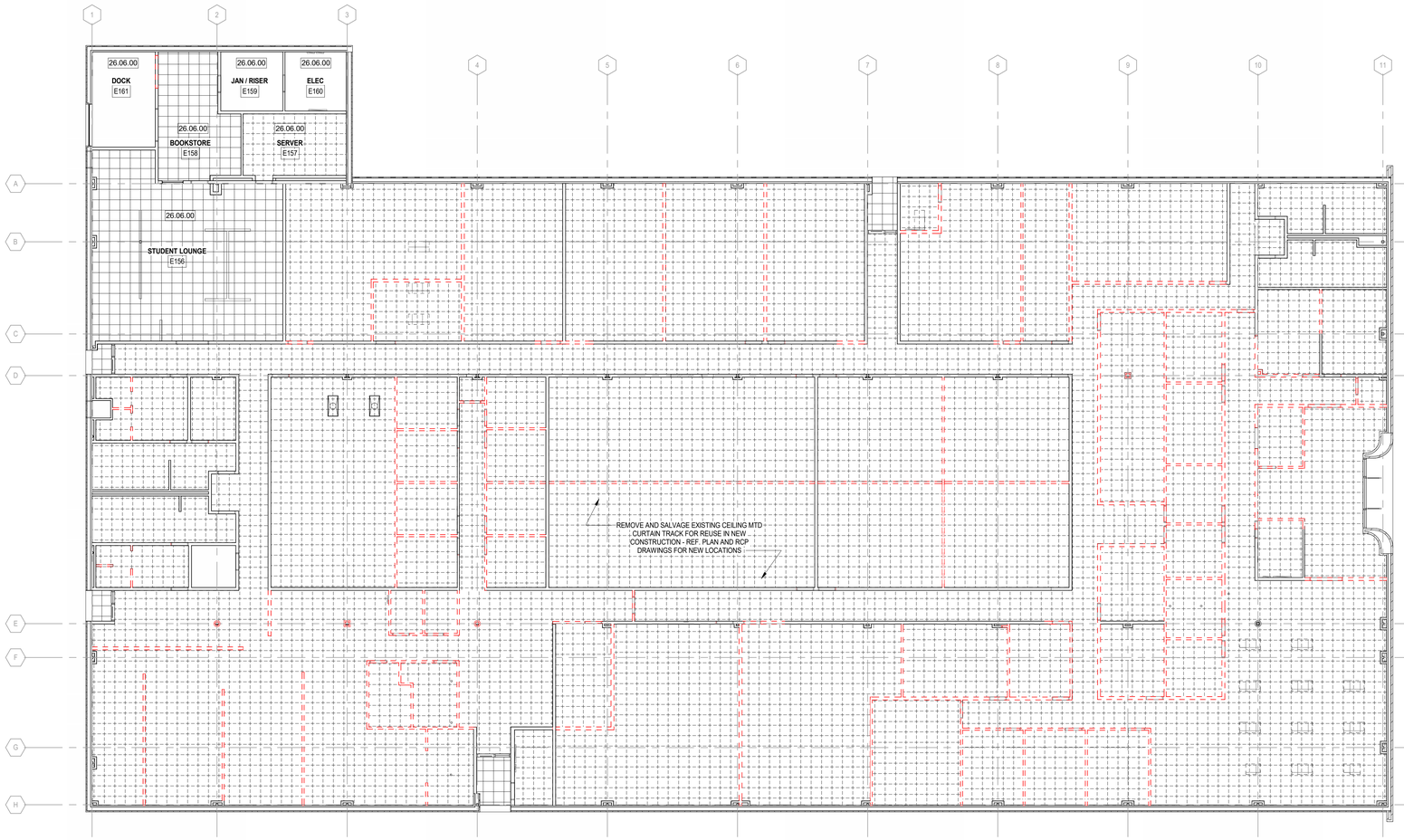
G. ALL EXISTING FABRIC WRAPPED ACOUSTICAL PANELS SHALL BE REMOVED, STORED, RE-COVERED W/ NEW MATERIAL AND REINSTALLED WHERE SHOWN ON ID PLANS & ELEVATIONS

H. REF. DOOR SCHED. FOR INFORMATION ABOUT DOOR & DOOR FRAME DEMOLITION

I. REF. SPECIFICATIONS FOR EXISTING BUILDING REVIEW AND INSPECTION REQUIRED BY CONTRACTOR PRIOR TO BIDDING AND COMMENCEMENT OF WORK. OWNER DOES NOT GUARANTEE THAT EXISTING CONDITIONS ARE THE SAME AS THOSE INDICATED IN THESE DOCUMENTS.

KEYNOTE LEGEND

KEY	NOTE
26.06.00	EXISTING LIGHT FIXTURES AND AIR DEVICES SHALL REMAIN IN THIS ROOM - REFER TO MECH. AND ELEC. DRAWINGS.



A5 / A031 **LEVEL 01 - DEMOLITION RCP**
3/32" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

SEALS

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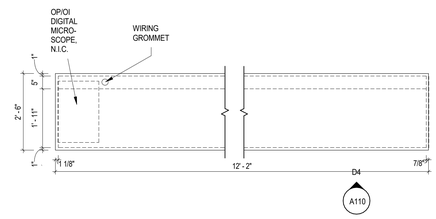
PROJECT ARCHITECT: JT
DRAWN BY: Author

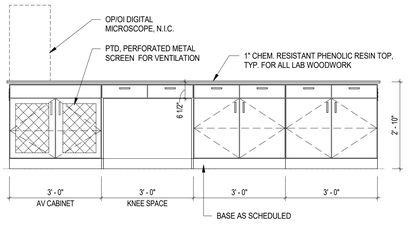
SHEET TITLE:

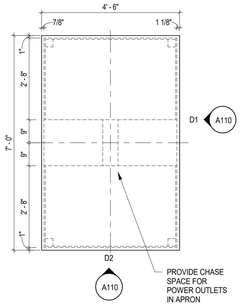
DEMOLITION RCP

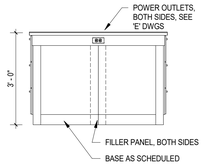
SHEET NO. A031

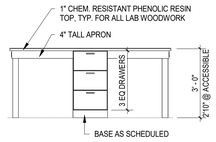
PROJ. NO. 025199.00











D5 INSTRUCTOR STATION
A110 — 1/2" = 1'-0"

D4 INSTRUCTOR STATION
A110 — 1/2" = 1'-0"

D3 STUDENT STATION
A110 — 1/2" = 1'-0"

D2 STUDENT STATION
A110 — 1/2" = 1'-0"

D1 STUDENT STATION
A110 — 3/8" = 1'-0"

PLAN LEGEND

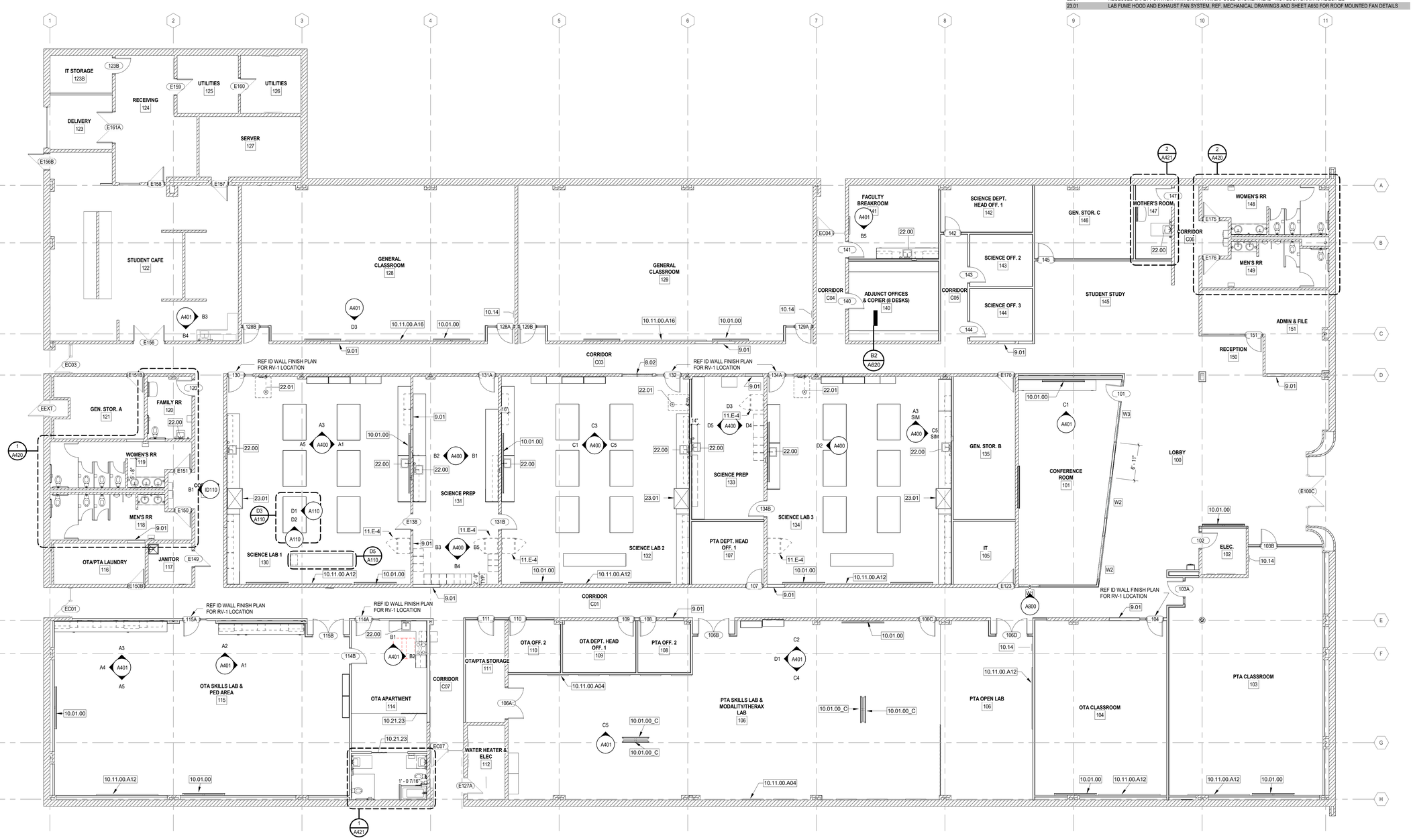
NEW CONSTRUCTION, REF. WALL TYPES SHOWN ON DIMENSION PLAN

EXISTING DOOR TO REMAIN, SEE DOOR SCHEDULE FOR NOTES REGARDING REUSE OF EXISTING DOORS

EXISTING WALL TO REMAIN, COORD. WITH DEMOLITION AND NEW CONSTRUCTION REQUIREMENTS

KEYNOTE LEGEND

KEY	NOTE
8.02	EXISTING HM FRAME AND WINDOW TO REMAIN, TO BE PAINTED
9.01	INFILL/PATCH EXISTING OPENING WITH NEW GWB (BOTH SIDES) AND METAL STUD TO MATCH THICKNESS, FINISH AND EXISTING INSULATION CONDITION OF ADJACENT, EXISTING WALL, TYP.
10.01.00	WALL MTD VISUAL DISPLAY MONITOR - REF. FF&E PLAN FOR GC RESPONSIBILITY
10.01.00_C	CEILING MTD VISUAL DISPLAY MONITOR - REF. FF&E PLAN FOR GC RESPONSIBILITY
10.11.00.A04	4FT X 4 FT PORCELAIN-ENAMEL MARKERBOARD WITH TRAY
10.11.00.A12	12FT X 4 FT PORCELAIN-ENAMEL MARKERBOARD WITH TRAY
10.11.00.A16	16FT X 4 FT PORCELAIN-ENAMEL MARKERBOARD WITH TRAY
10.14	PANEL SIGNAGE INDICATING MAX. OCCUPANT LOAD
10.21.23	TRACK MTD. EXAM CURTAIN
11.E-4	STANDARD REFRIGERATORS - PROCURED AND INSTALLED BY OWNER
22.00	NEW PLUMBING FIXTURE - REFERENCE PLUMBING DRAWINGS FOR INFO REGARDING NEW WATER AND SEWER PIPING, INCLUDING REQUIREMENTS FOR TRENCH CUTTING EXISTING SLABS, WHERE APPLICABLE. ANY OPENINGS IN SLAB AS A RESULT OF NEW OR DEMOLISHED PLUMBING ARE TO BE FILLED IN WITH CONCRETE. ALL DEPRESSIONS ARE TO BE LEVELED UNLESS INDICATED OTHERWISE.
22.01	RECESSED SAFETY STATION WITH DRAIN PAN, EXPOSED SHOWER HEAD - NO FLOOR DRAIN IS REQUIRED
23.01	LAB FUME HOOD AND EXHAUST FAN SYSTEM, REF. MECHANICAL DRAWINGS AND SHEET A650 FOR ROOF MOUNTED FAN DETAILS



A5 LEVEL 01 - OVERALL
A5/A110 — 1/8" = 1'-0"

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HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 01/01/2023
PHASE: 00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: Author

SHEET TITLE:
ANNOTATION PLAN

SHEET NO. A110

PROJ. NO. 025199.00

PLAN LEGEND

- NEW CONSTRUCTION, REF. WALL TYPES SHOWN ON DIMENSION PLAN
- EXISTING DOOR TO REMAIN, SEE DOOR SCHEDULE FOR NOTES REGARDING REUSE OF EXISTING DOORS
- EXISTING WALL TO REMAIN, COORD. WITH DEMOLITION AND NEW CONSTRUCTION REQUIREMENTS



1 A111 **LEVEL 01 - DIMENSION PLAN**

1/8" = 1'-0"

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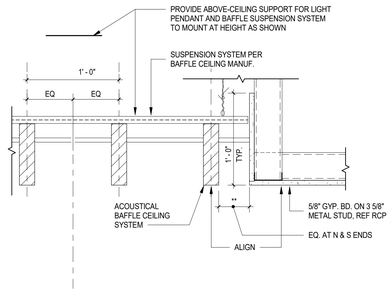
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

SHEET TITLE:

DIMENSION PLAN

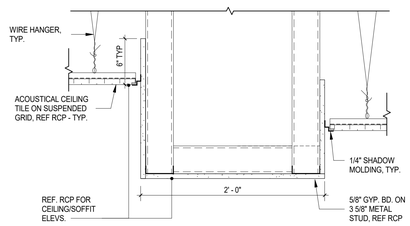
SHEET NO. A111

PROJ. NO. 025199.00



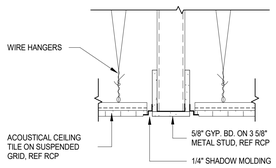
D5 A210 **CEILING DETAIL @ CONF RM**

1 1/2" = 1'-0"



D4 A210 **CEILING TRANSITION @ STUDENT STUDY**

1 1/2" = 1'-0"



D3 A210 **TYP. GWB CEILING TRANSITION**

1 1/2" = 1'-0"

GENERAL NOTES

1. ALL LIGHT FIXTURES ARE CENTERED IN THE SOFFIT, ROOM, OR GRID UNLESS DIMENSIONED OTHERWISE.
2. ALL CORRIDOR CEILINGS ARE GYP AND ACT-1 TYPE, REFER TO PATTERN FOR LOCATIONS.
3. ALL CORRIDOR CEILING TRANSITIONS TO FOLLOW TYPICAL DETAILS ON SHEET A610.
4. ALL GYP CEILING TO BE PAINTED P-11 UNLESS NOTED OTHERWISE. FOR ACCENT PAINT ON CEILING, REFER TO B1/A611 FOR ACCENT PAINT APPLICATION.
5. ALL CUT REGULAR CEILING TILE IS TO BE FACTORY CUT AND FINISHED TO ENSURE CLEAN CUT AND FINISHED EDGES ON ALL EXPOSED EDGES. CUT EDGES TO RECEIVE FINISH PAINT TO MATCH CEILING TILE.
6. REF. ENLARGED PLANS AND INTERIOR ELEVATIONS FOR WALL MTD LIGHTING NOT SHOWN ON THIS PLAN

RCP SHEET NOTES

Sheet Note	Description
1	GWB CEILING TRANSITION, TYP - REF. DETAIL THIS SHEET

RCP NOTES & LEGEND

REFERENCE MECHANICAL, ELECTRICAL, AND ALL DRAWINGS FOR ADDITIONAL INSTALLED EQUIPMENT NOT SHOWN THIS PLAN.

EXISTING CEILING GRID TO REMAIN. REPLACE EXISTING CEILING TILE WITH NEW ACT-1 - SEE BELOW. EXCEPTION: DO NOT REPLACE EXTERIOR CONDITIONS OF CEILING GRID OR TILES

ACT-1: 24X24 ACT - B.O.D., ARMSTRONG CALLA HIGH NRC, 90/35 NRC/CRC RATING, 9/16" TEGULAR EDGE, SUPRAFINE 9/16" SUSPENSION SYSTEM; CLASS A FIRE RATING

CEILING IS OPEN TO STRUCTURE ABOVE - PAINT EXISTING EXPOSED AREAS

ACOUSTICAL BAFFLE CEILING (AWP-1)

GYP-1: PTD DRYWALL CEILING

DASHED BLACK LINE IN THIS CEILING TYPE INDICATES FINISHED DRYWALL RETURNS ON VERTICAL SURFACE REF. DETAIL

2'X4' TROFFER LIGHT

RECESSED OR PENDANT DOWNLIGHT

QUAD RECESSED DOWNLIGHT

PENDANT LIGHT FIXTURE SIZE VARIES, SEE ELEC.

LINEAR COVE LIGHT

KEYNOTE LEGEND

KEY	NOTE
23.02	VENTILATION SHROUD - REF. MECHANICAL



A5 A210 **LEVEL 01 - RCP - W**

1/8" = 1'-0"

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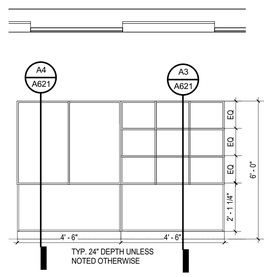
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

SHEET TITLE:

ANNOTATION RCP

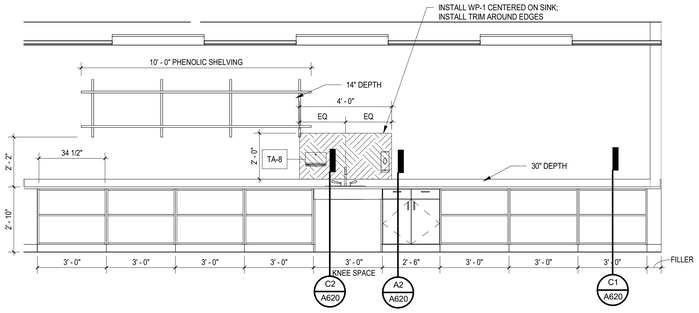
SHEET NO. A210

PROJ. NO. 025199.00



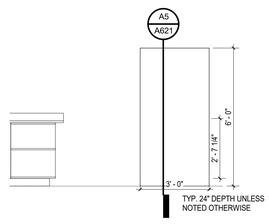
D4 A400 **SCIENCE PREP 2 - EAST ELEVATION**

3/8" = 1'-0"



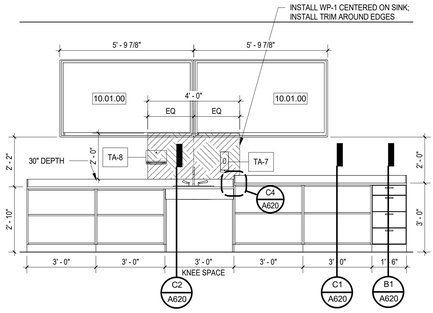
D5 A400 **SCIENCE PREP 2 - WEST ELEVATION**

3/8" = 1'-0"



D3 A400 **SCIENCE PREP 2 - NORTH ELEVATION**

3/8" = 1'-0"



D2 A400 **SCIENCE LAB 3 - WEST ELEVATION**

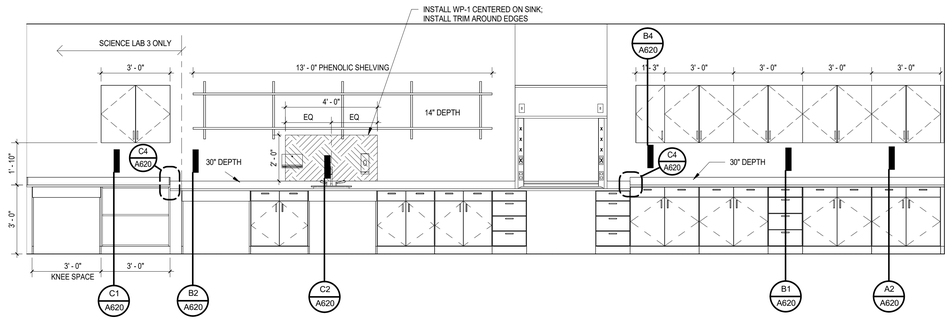
3/8" = 1'-0"

LAB ACCESSORY LEGEND

Type Mark	Description	Manufacturer BOD	Comments
E-4	REFRIGERATOR	TBD	OWNER
TA-7	WALL MOUNTED LIQUID SOAP DISPENSER – B-2012	TBD	OWNER
TA-8	PAPER TOWEL DISPENSER	TBD	OWNER

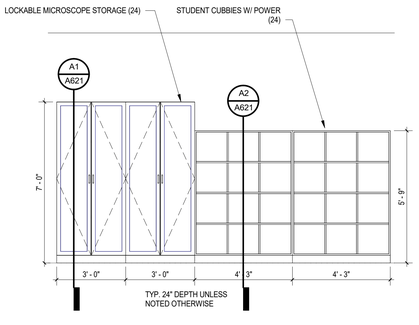
KEYNOTE LEGEND

KEY	NOTE
10.01.00	WALL MTD VISUAL DISPLAY MONITOR - REF. FF&E PLAN FOR GC RESPONSIBILITY
23.01	LAB FUME HOOD AND EXHAUST FAN SYSTEM, REF. MECHANICAL DRAWINGS AND SHEET A650 FOR ROOF MOUNTED FAN DETAILS



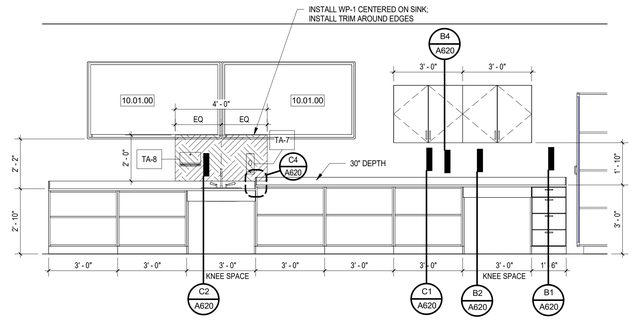
C5 A400 **SCIENCE LAB 2 & 3- EAST ELEVATION**

3/8" = 1'-0"



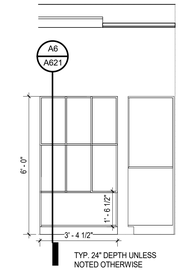
C3 A400 **SCIENCE LAB 2 - NORTH ELEVATION**

3/8" = 1'-0"



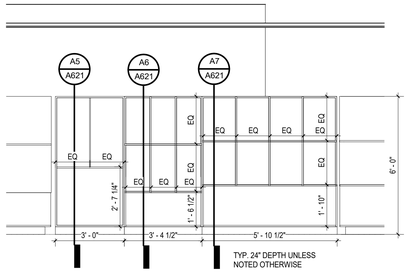
C1 A400 **SCIENCE LAB 2 - WEST ELEVATION**

3/8" = 1'-0"



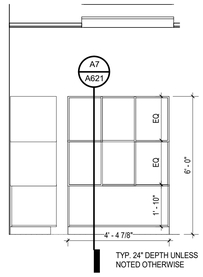
B5 A400 **SCIENCE PREP 1A - EAST ELEVATION**

3/8" = 1'-0"



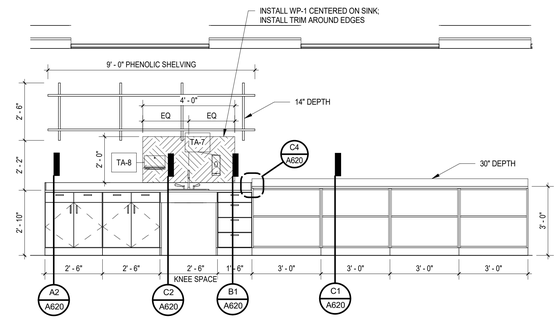
B4 A400 **SCIENCE PREP 1A - SOUTH ELEVATION**

3/8" = 1'-0"



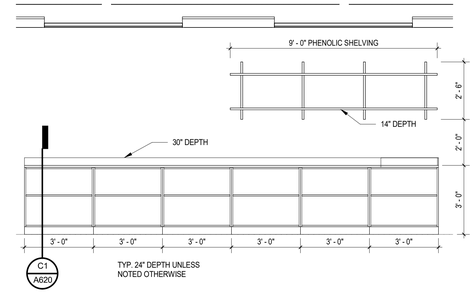
B3 A400 **SCIENCE PREP 1A - WEST ELEVATION**

3/8" = 1'-0"



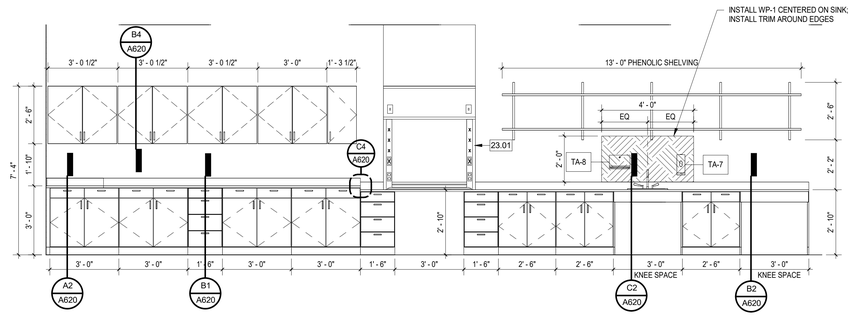
B2 A400 **SCIENCE PREP 1 - WEST ELEVATION**

3/8" = 1'-0"



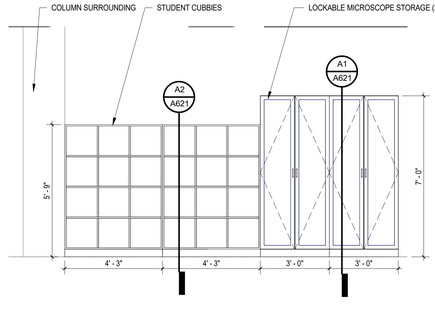
B1 A400 **SCIENCE PREP 1 - EAST ELEVATION**

3/8" = 1'-0"



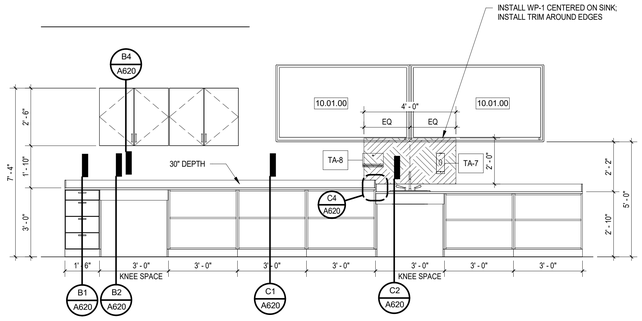
A5 A400 **SCIENCE LAB 1 - WEST ELEVATION**

3/8" = 1'-0"



A3 A400 **SCIENCE LAB 1 - NORTH ELEVATION**

3/8" = 1'-0"



A1 A400 **SCIENCE LAB 1 - EAST ELEVATION**

3/8" = 1'-0"

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PROJECT ARCHITECT: JT
DRAWN BY: Author

SHEET TITLE:

ENLARGED MILLWORK ELEVATIONS - SCIENCE

PROJ. NO. 025199.00

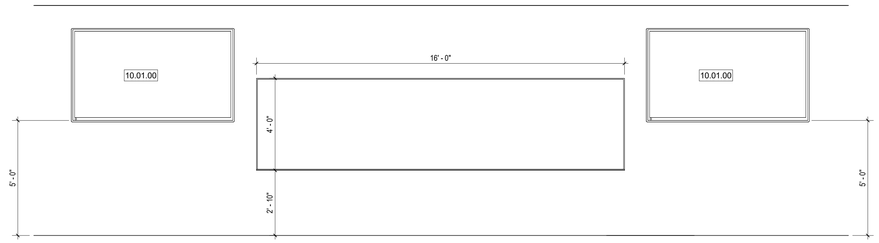
A400

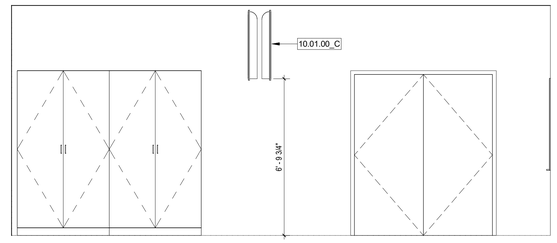
SPEACIAL EQUIPMENT AND ACCESSORIES LEGEND

Type Mark	Description	Manufacturer BOD	Purchased by
KT-1	COOKTOP RANGE AND OVEN	TBD	CONTRACTOR
KT-2	MICROWAVE HOOD COMBINATION WITH RESIDENTIAL STOVETOP HOOD-MOUNTED FIRE SUPPRESSION DEVICE	TBD	CONTRACTOR
MKB-1			
MKB-3			
TA-7	WALL MOUNTED LIQUID SOAP DISPENSER – B-2012	TBD	OWNER
TA-8	PAPER TOWEL DISPENSER	TBD	OWNER

KEYNOTE LEGEND

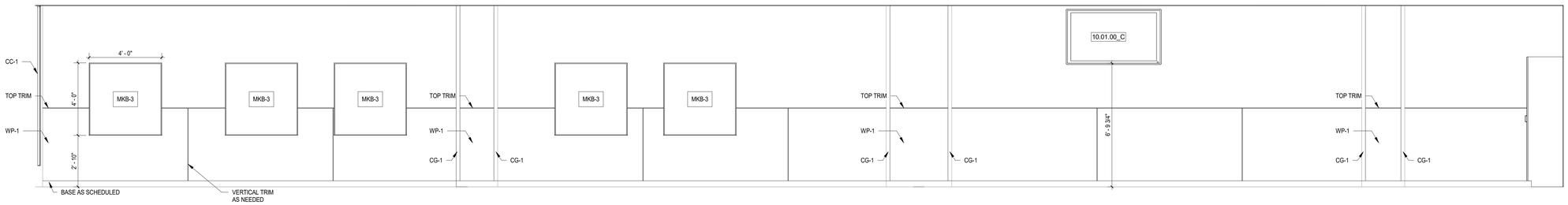
KEY	NOTE
10.01.00	WALL MTD VISUAL DISPLAY MONITOR - REF. FF&E PLAN FOR GC RESPONSIBILITY
10.01.00_C	CEILING MTD VISUAL DISPLAY MONITOR - REF. FF&E PLAN FOR GC RESPONSIBILITY





D3 A401 GENERAL CLASSROOM - SOUTH ELEVATION

3/8" = 1'-0"

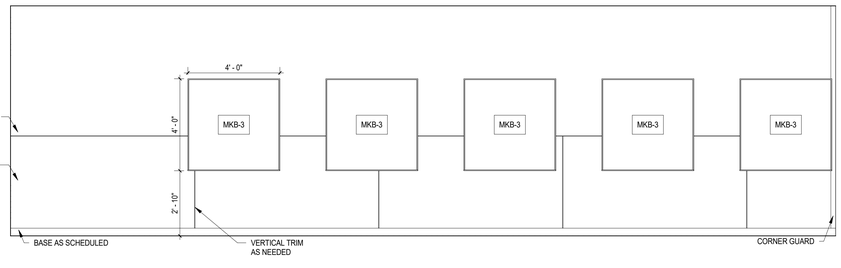


D1 A401 PTA SKILLS - WEST ELEVATION

3/8" = 1'-0"

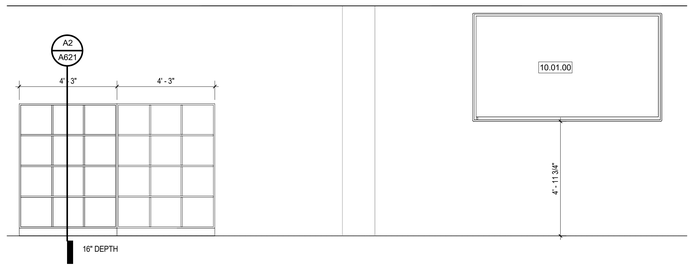
C4 A401 PTA SKILLS - SOUTH ELEVATION

3/8" = 1'-0"



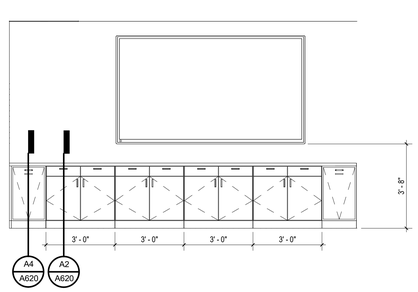
C5 A401 PTA SKILLS - NORTH ELEVATION 1

3/8" = 1'-0"



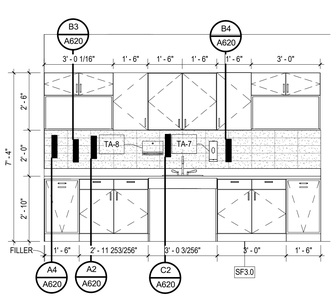
C2 A401 PTA SKILLS - NORTH ELEVATION 2

3/8" = 1'-0"



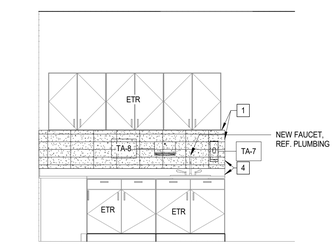
C1 A401 CONFERENCE ROOM - NORTH ELEVATION

3/8" = 1'-0"



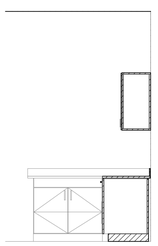
B5 A401 FACULTY BREAKROOM - SOUTH ELEVATION

3/8" = 1'-0"



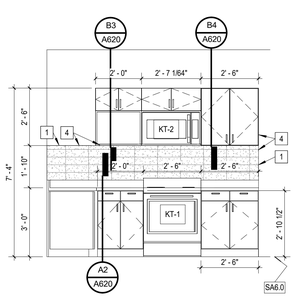
B4 A401 STUDENT CAFE - SOUTH ELEVATION

3/8" = 1'-0"



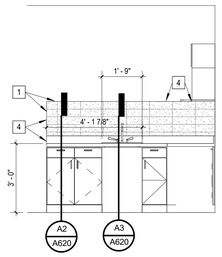
B3 A401 STUDENT CAFE - EAST ELEVATION

3/8" = 1'-0"



B2 A401 OTA APARTMENT - EAST ELEVATION

3/8" = 1'-0"



B1 A401 OTA APARTMENT - NORTH ELEVATION

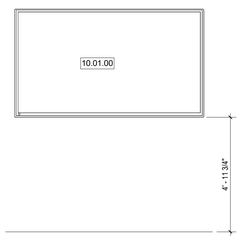
3/8" = 1'-0"

WALL FINISH LEGEND

P-8	INDICATES EXTENT, MATERIAL, AND COLOR OF WALL ACCENT	CT-1
P-8	INDICATES EXTENT MATERIAL AND COLOR OF CEILING OR SOFFIT ACCENT	CT-2
P-8	INDICATES EXTENT MATERIAL AND COLOR OF DOOR AND FRAME ACCENT	CT-3
	INDICATES INSTALLING CG-1, UNO.	VWC-1
		VWC-2
		WP-1

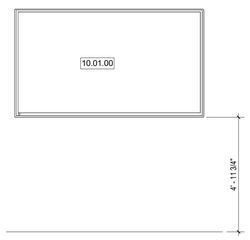
SHEET KEYNOTES

1. INSTALL TR-1.
2. INSTALL TR-2.
3. INSTALL TR-3
4. ALIGN.
5. PAINT TRIM OF WINDOW P-7.
6. CEILING TRACK WITH CUBICLE CURTAINS (CC-1).
7. INSTALL CG-2.
8. INSTALL GF-1 ON CONFERENCE ROOM SIDE OF GLASS.



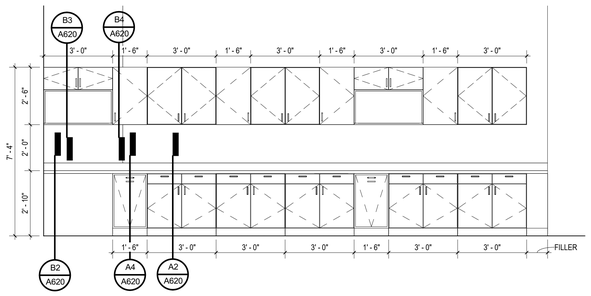
A5 A401 OTA SKILLS - SOUTH ELEVATION

3/8" = 1'-0"



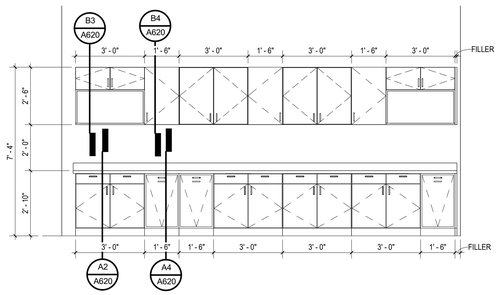
A4 A401 OTA SKILLS - WEST ELEVATION

3/8" = 1'-0"



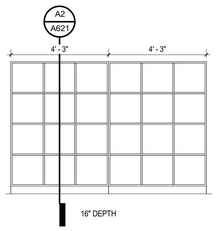
A3 A401 OTA SKILLS - NORTH ELEVATION 1

3/8" = 1'-0"



A2 A401 OTA SKILLS - NORTH ELEVATION 2

3/8" = 1'-0"



A1 A401 OTA SKILLS - EAST ELEVATION

3/8" = 1'-0"

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CONSULTANT LOGO

SEALS

STATE OF SOUTH CAROLINA — McMILLAN PAZDAN SMITH, LLC GREENVILLE, SC 100573 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — JEFFREY K. TROTT GREENVILLE, SC 7129 — REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE:	01/01/2023
PHASE:	00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
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C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE:	DM
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

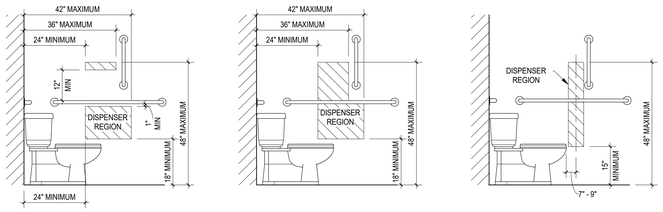
SHEET TITLE:

ENLARGED MILLWORK ELEVATIONS

SHEET NO. A401

PROJ. NO. 025199.00

TOILET DISPENSER LOCATIONS



PROTRUDING DISPENSERS ABOVE AND BELOW GRAB BARS

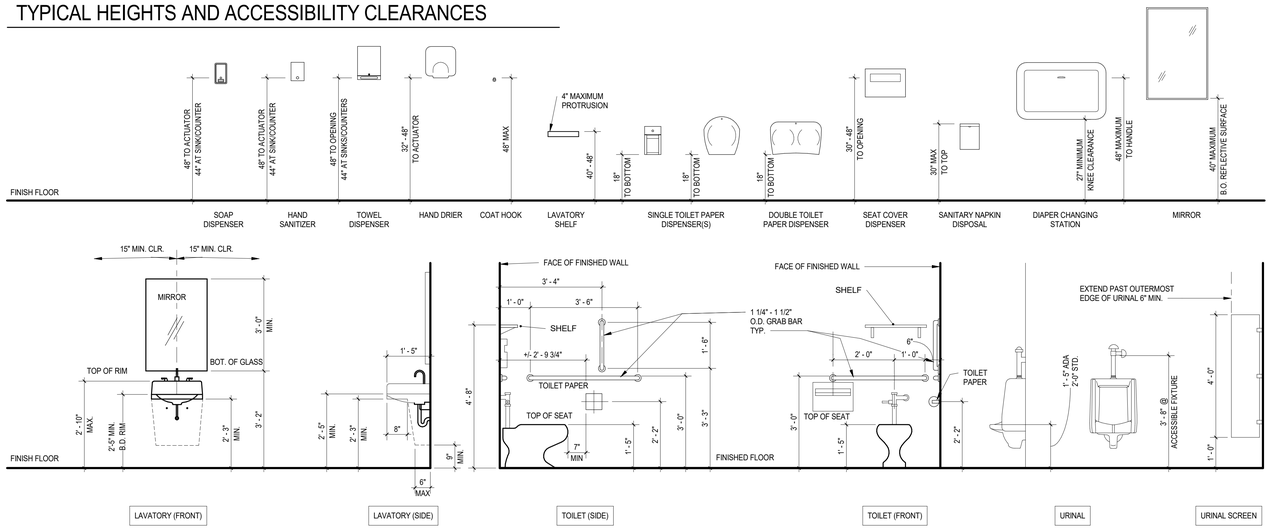
RECESSED DISPENSERS

RECESSED DISPENSER IN FRONT OF WATER CLOSET

TOILET ACCESSORY LEGEND

Type Mark	Description	Manufacturer BOD	Comments
GB-36	GRAB BAR - 36"	TBD	CONTRACTOR
GB-42	GRAB BAR - 42"	TBD	CONTRACTOR
TA-5	DISPENSER, TOILET PAPER, SURFACE MOUNT	TBD	OWNER
TA-6	Waste Can, Open Top, 40 qt.	TBD	CONTRACTOR
TA-7	WALL MOUNTED LIQUID SOAP DISPENSER – B-2012	TBD	OWNER
TA-8	PAPER TOWEL DISPENSER	TBD	OWNER
TA-9	18" W X 36" H STAINLESS STEEL PLATE GLASS MIRROR, SURFACE-MOUNTED	TBD	CONTRACTOR
TA-10	TABLE, CHANGING INFANT, WALL MOUNTED, HORIZONTAL PLASTIC	TBD	CONTRACTOR

TYPICAL HEIGHTS AND ACCESSIBILITY CLEARANCES

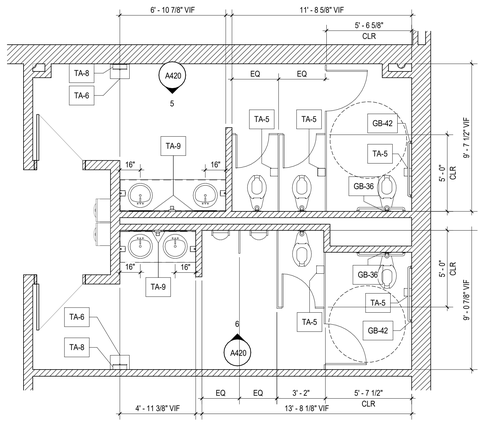


WALL FINISH LEGEND

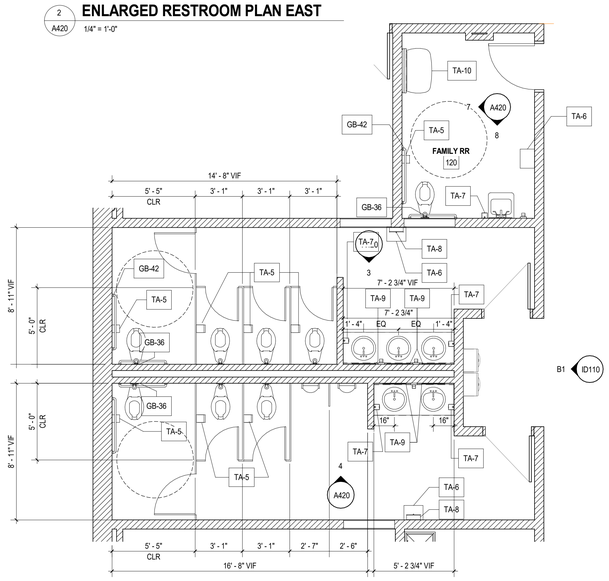
P-8	INDICATES EXTENT, MATERIAL AND COLOR OF WALL ACCENT	CT-1
P-8	INDICATES EXTENT MATERIAL AND COLOR OF CEILING OR SOFFIT ACCENT	CT-2
P-8	INDICATES EXTENT MATERIAL AND COLOR OF DOOR AND FRAME ACCENT	CT-3
□	INDICATES INSTALLING CG-1, UNO.	VWC-1
		VWC-2
		WP-1

SHEET KEYNOTES

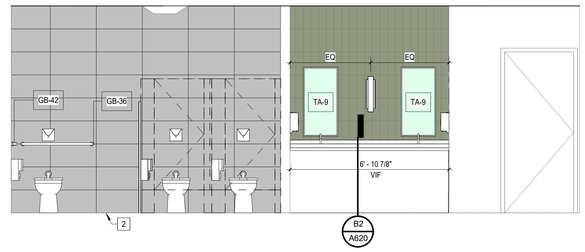
1. INSTALL TR-1.
2. INSTALL TR-2.
3. INSTALL TR-3
4. ALIGN.
5. PAINT TRIM OF WINDOW P-7.
6. CEILING TRACK WITH CUBICLE CURTAINS (CC-1).
7. INSTALL CG-2.
8. INSTALL GF-1 ON CONFERENCE ROOM SIDE OF GLASS.



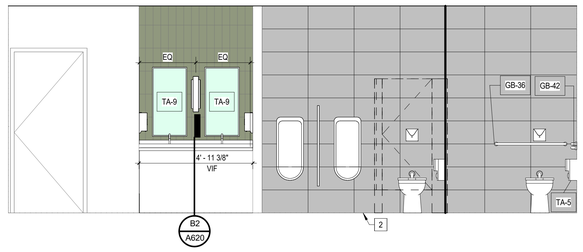
2 A420 **ENLARGED RESTROOM PLAN EAST**
1/4" = 1'-0"



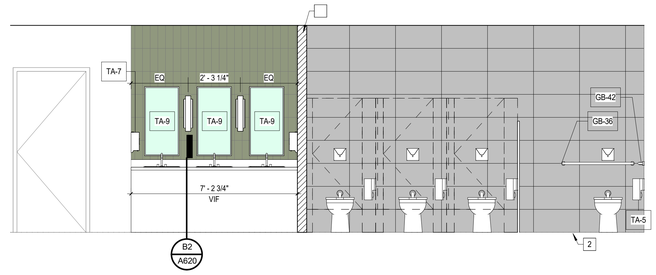
1 A420 **ENLARGED RESTROOM PLAN WEST**
1/4" = 1'-0"



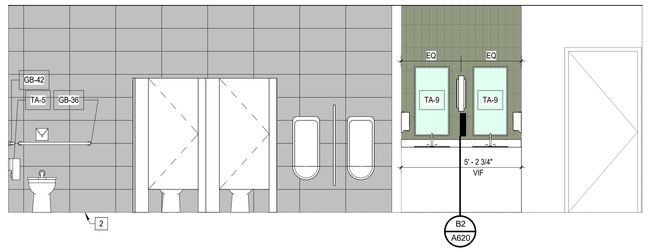
5 A420 **WOMEN'S EAST RESTROOM - SOUTH ELEVATION**
3/8" = 1'-0"



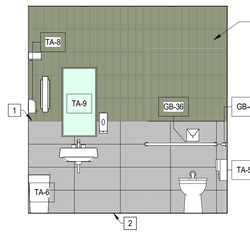
6 A420 **MEN'S EAST RESTROOM - NORTH ELEVATION**
3/8" = 1'-0"



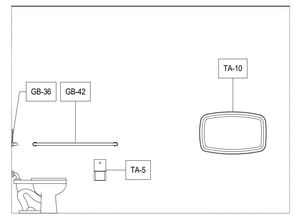
3 A420 **WOMEN'S WEST RESTROOM - SOUTH ELEVATION**
3/8" = 1'-0"



4 A420 **MEN'S WEST RESTROOM - NORTH ELEVATION**
3/8" = 1'-0"



8 A420 **FAMILY RESTROOM - SOUTH ELEVATION**
3/8" = 1'-0"



7 A420 **FAMILY RESTROOM - WEST ELEVATION**
3/8" = 1'-0"

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STATE OF SOUTH CAROLINA — JEFFREY K. TROUP — GREENVILLE, SC — 7129 — REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501 Conway, SC 29526

ISSUE DATE: 01/01/2023
PHASE: 00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: Author

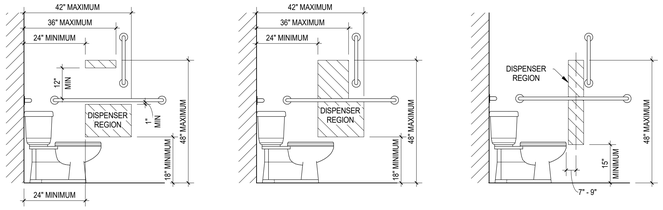
SHEET TITLE:

ENLARGED RESTROOM PLANS & ELEVATIONS

SHEET NO. A420

PROJ. NO. 025199.00

TOILET DISPENSER LOCATIONS



PROTRUDING DISPENSERS ABOVE AND BELOW GRAB BARS

RECESSED DISPENSERS

RECESSED DISPENSER IN FRONT OF WATER CLOSET

TOILET ACCESSORY LEGEND

Type Mark	Description	Manufacturer BOD	Comments
	<varies>		
GB-18	GRAB BAR - 18"	TBD	CONTRACTOR
GB-36	GRAB BAR - 36"	TBD	CONTRACTOR
GB-42	GRAB BAR - 42"	TBD	CONTRACTOR
TA-5	DISPENSER, TOILET PAPER, SURFACE MOUNT	TBD	OWNER
TA-6	Waste Can, Open Top, 40 qt.	TBD	CONTRACTOR
TA-7	WALL MOUNTED LIQUID SOAP DISPENSER – B-2012	TBD	OWNER
TA-8	PAPER TOWEL DISPENSER	TBD	OWNER
TA-9	18" W X 36" H STAINLESS STEEL PLATE GLASS MIRROR, SURFACE-MOUNTED	TBD	CONTRACTOR
TA-10	TABLE, CHANGING INFANT, WALL MOUNTED, HORIZONTAL PLASTIC	TBD	CONTRACTOR

WALL FINISH LEGEND

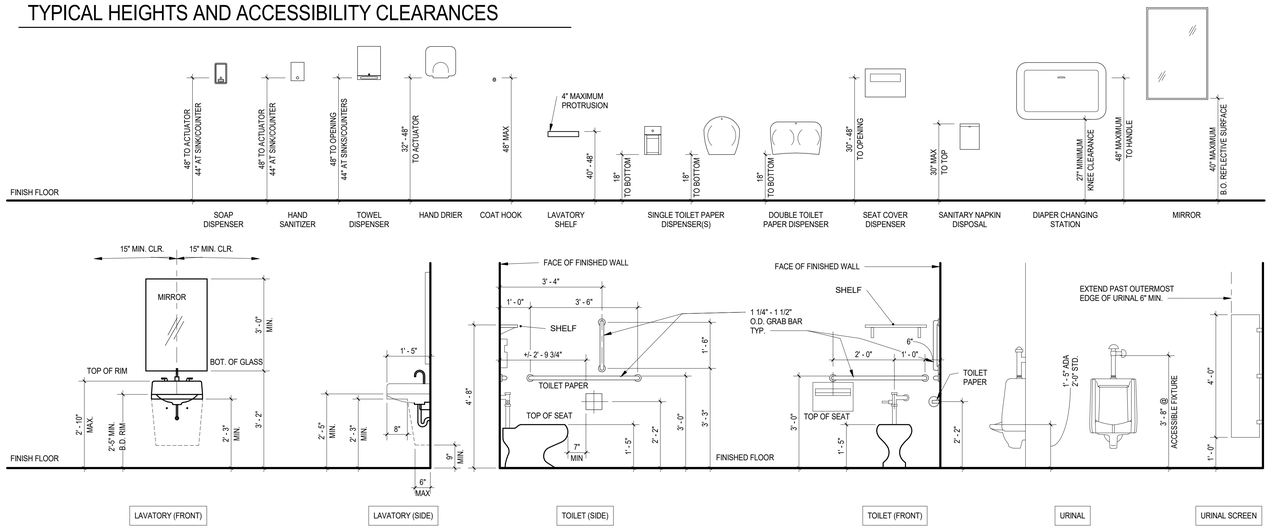
- P-# — INDICATES EXTENT, MATERIAL AND COLOR OF WALL ACCENT
- P-# — INDICATES EXTENT MATERIAL AND COLOR OF CEILING OR SOFFIT ACCENT
- P-# — INDICATES EXTENT MATERIAL AND COLOR OF DOOR AND FRAME ACCENT
- INDICATES INSTALLING CG-1, UNO.

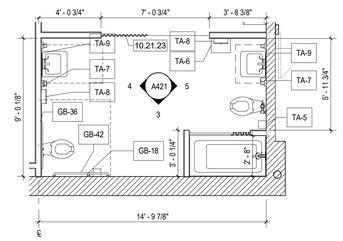
CT-1, CT-2, CT-3, VWC-1, VWC-2, WP-1

SHEET KEYNOTES

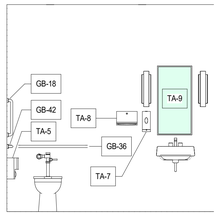
1. INSTALL TR-1.
2. INSTALL TR-2.
3. INSTALL TR-3
4. ALIGN.
5. PAINT TRIM OF WINDOW P-7.
6. CEILING TRACK WITH CUBICLE CURTAINS (CC-1).
7. INSTALL CG-2.
8. INSTALL GF-1 ON CONFERENCE ROOM SIDE OF GLASS.

TYPICAL HEIGHTS AND ACCESSIBILITY CLEARANCES

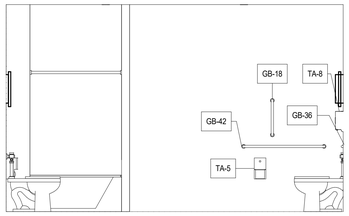




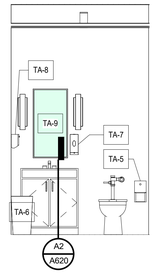
1 A421 **OTA APT MOCK BATHROOM**
1/4" = 1'-0"



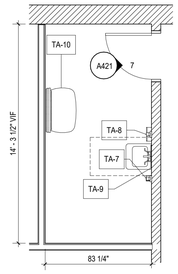
4 A421 **OTA APT MOCK BATHROOM - WEST ELEVATION**
3/8" = 1'-0"



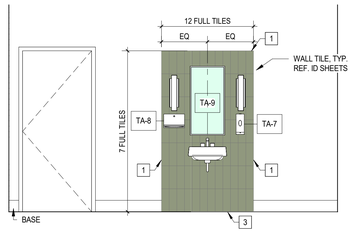
3 A421 **OTA APT MOCK BATHROOM - SOUTH ELEVATION**
3/8" = 1'-0"



5 A421 **OTA APT MOCK BATHROOM - EAST ELEVATION**
3/8" = 1'-0"



2 A421 **MOTHER'S ROOM**
1/4" = 1'-0"



7 A421 **MOTHER'S ROOM - EAST ELEVATION**
3/8" = 1'-0"

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DRAWN BY:	Author

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ENLARGED RESTROOM PLANS & ELEVATIONS

SHEET NO.	PROJ. NO.
A421	025199.00

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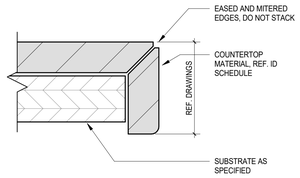
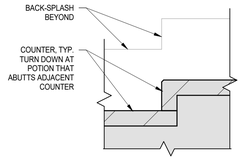
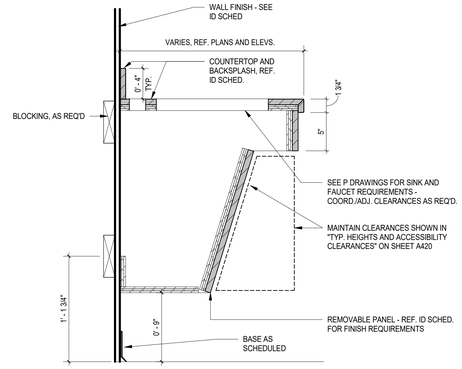


*NOTE: THIS DETAIL WILL APPLY TO ALL COUNTERTOP FACING CONDITIONS

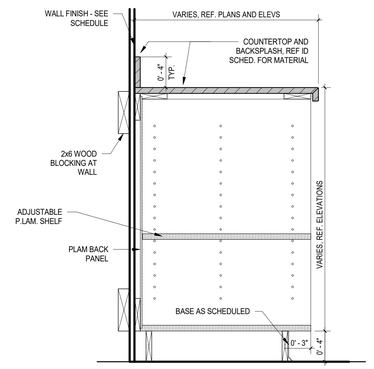
C5 / A620 **COUNTERTOP MITERED EDGE DETAIL**
1/2" = 1'-0"



C4 / A620 **COUNTER DETAIL**
3" = 1'-0"



C2 / A620 **TYPE C_2 - VANITY COUNTER - TYP**
1 1/2" = 1'-0"



C1 / A620 **TYPE C_1 - BASE CASEWORK - TYP OPEN CABINET BASE**
1 1/2" = 1'-0"

B4 / A620 **TYPE B_4 - UPPER CABINET w/ SHELVING**
1 1/2" = 1'-0"

B3 / A620 **TYPE B_3 - UPPER CABINET w/ MICROWAVE**
1 1/2" = 1'-0"

B2 / A620 **TYPE B_2 - OPEN COUNTER - TYP**
1 1/2" = 1'-0"

B1 / A620 **TYPE B_1 - BASE CABINET - 4 DRAWERS**
1 1/2" = 1'-0"

A4 / A620 **TYPE A_4 - BASE CABINET - TRASH RECEPTICLE**
1 1/2" = 1'-0"

A3 / A620 **TYPE A_3 - BASE CABINET w/ SINK**
1 1/2" = 1'-0"

A2 / A620 **TYPE A_2 - BASE CABINET - 1 DRAWER & DOOR**
1 1/2" = 1'-0"

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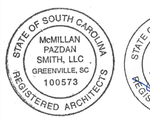
ARCHITECTURE

CONSULTANT LOGO

SEALS





HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE:	01/01/2023
PHASE:	00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE

PRINCIPAL IN CHARGE:	DM
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

SHEET TITLE:

CASEWORK / MILLWORK DETAILS

SHEET NO. A620

PROJ. NO. 025199.00

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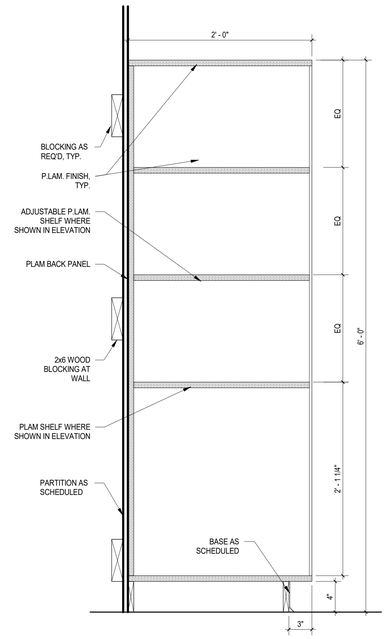
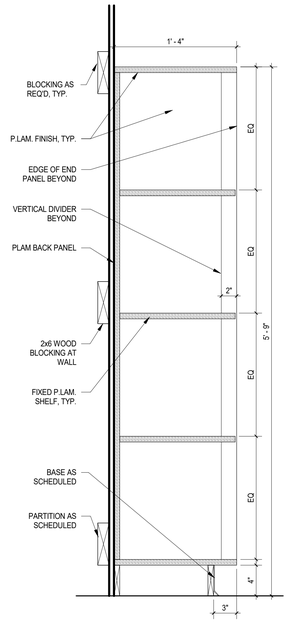
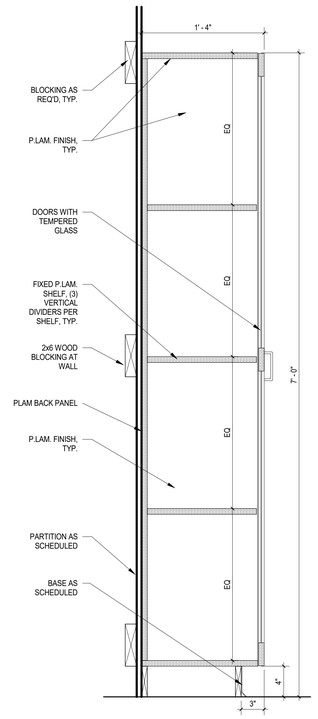


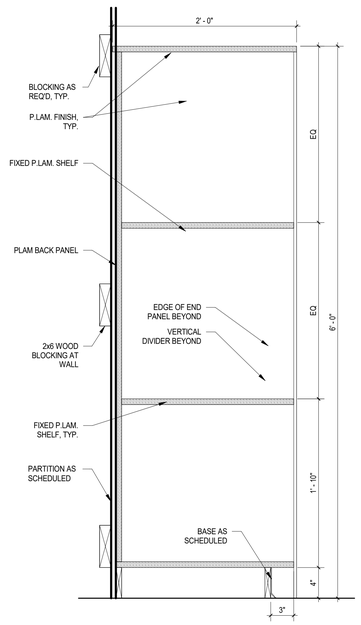
A3 / A621 **STORAGE CUBBIES C**
1 1/2" = 1'-0"



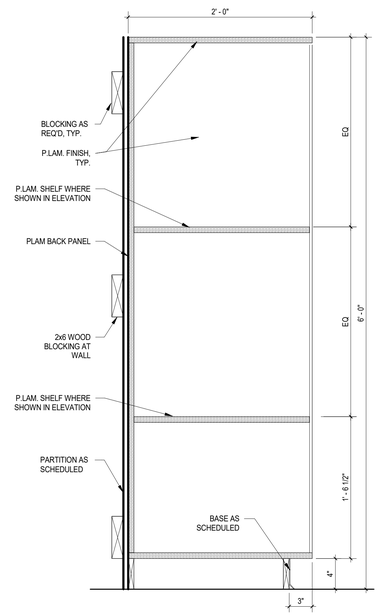
A2 / A621 **STUDENT CUBBIES SECTION**
1 1/2" = 1'-0"



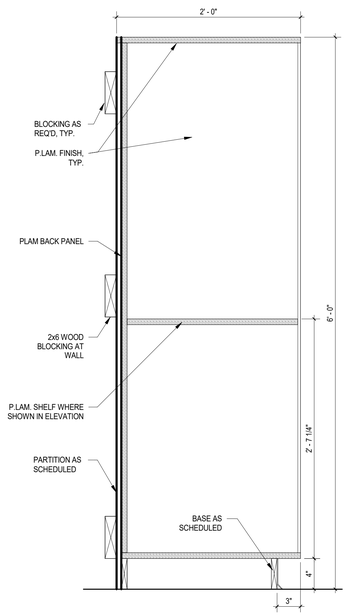
A1 / A621 **MICROSCOPE CABINET SECTION**
1 1/2" = 1'-0"



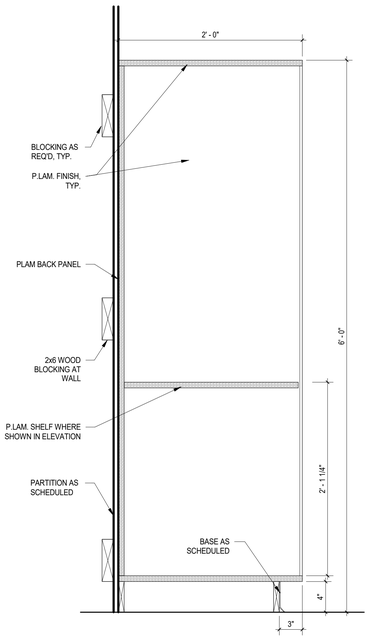
A7 / A621 **STORAGE CUBBIES G**
1 1/2" = 1'-0"



A6 / A621 **STORAGE CUBBIES F**
1 1/2" = 1'-0"



A5 / A621 **STORAGE CUBBIES E**
1 1/2" = 1'-0"



A4 / A621 **STORAGE CUBBIES D**
1 1/2" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

CONSULTANT LOGO

SEALS

STATE OF SOUTH CAROLINA
McMILLAN PAZDAN SMITH, LLC
GREENVILLE, SC
100573
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
JEFFERY K. THOMPSON
GREENVILLE, SC
7129
REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE:	01/01/2023
PHASE:	00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE

PRINCIPAL IN CHARGE:	DM
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

SHEET TITLE:

CASEWORK / MILLWORK DETAILS

SHEET NO. A621

PROJ. NO. 025199.00

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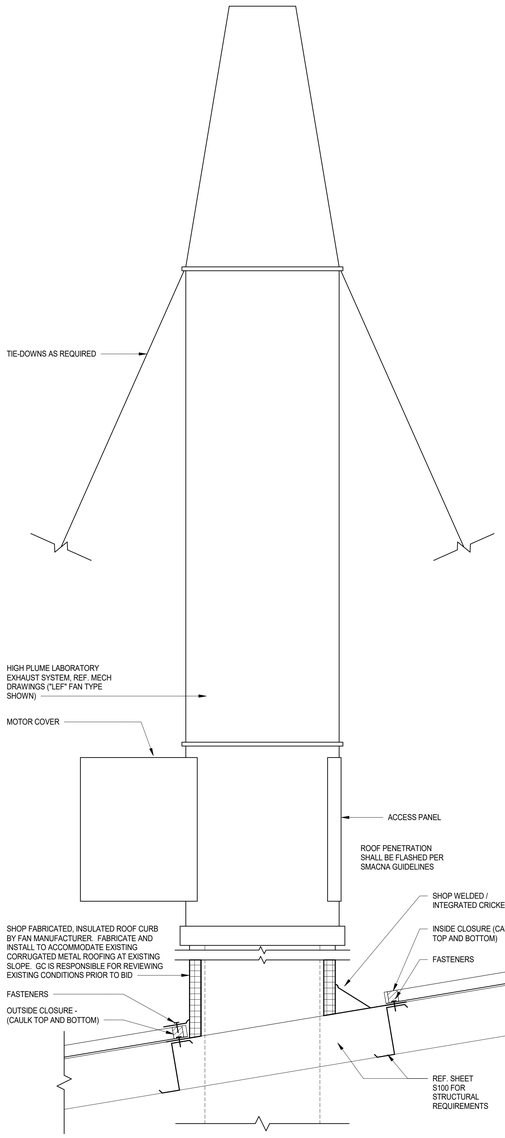
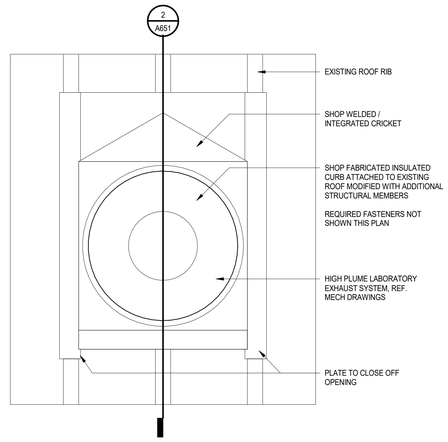


2 A651 **SECTION DETAIL @ LAB EXHAUST SYSTEM**
1 1/2" = 1'-0"



1 A651 **ROOF PLAN DETAIL @ LAB EXHAUST SYSTEM**
1 1/2" = 1'-0"

mcmillan pazdan smith
ARCHITECTURE

CONSULTANT LOGO

SEALS

STATE OF SOUTH CAROLINA
McMILLAN PAZDAN SMITH, LLC
GREENVILLE, SC
100573
REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA
JEFFREY K. TROUT
GREENVILLE, SC
7129
REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 01/01/2023
PHASE: 00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
B	01/16/2025	CD COST ESTIMATE

PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: Author

SHEET TITLE:

MISCELLANEOUS DETAILS

SHEET NO. A651

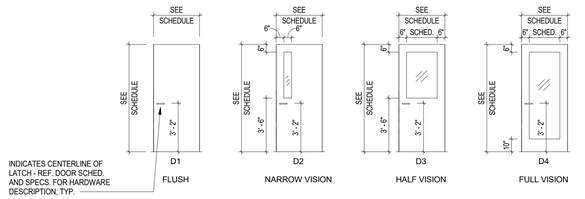
PROJ. NO. 025199.00

DOOR SCHEDULE - EXISTING TO REMAIN AND NEW

DOOR NO.	ROOM NO.	Existing to Remain or New	DOOR WIDTH	DOOR HEIGHT	DOOR TYPE	RATING	DOOR MATERIAL	DOOR HARDWARE SET	FRAME TYPE	FRAME MATERIAL	REMARKS
E100C	100	Existing	6' - 0"	6' - 10 3/4"	ETR		ALUM	16	ETR		
E123	105	Existing	3' - 0"	7' - 0"	ETR		WD	04	ETR		
E127A	112	Existing	3' - 0"	7' - 0"	ETR		HM	22	ETR		
E138	131	Existing	3' - 0"	7' - 0"	ETR		WD	06	ETR		
E149	117	Existing	3' - 0"	7' - 0"	ETR		WD	22	ETR		
E150	118	Existing	3' - 0"	7' - 0"	ETR		WD	19	ETR		
E150B	116	Existing	3' - 0"	7' - 0"	ETR		WD	07	ETR		
E151	119	Existing	3' - 0"	7' - 0"	ETR		WD	19	ETR		
E151B	121	Existing	3' - 0"	7' - 0"	ETR		WD	04	ETR		
E156	122	Existing	6' - 0"	7' - 0"	ETR		WD	24	ETR		
E156B	201	Existing	3' - 0"	7' - 0"	ETR		HM	17	ETR		
E157	122	Existing	3' - 0"	7' - 0"	ETR		WD	14	ETR		
E158	124	Existing	3' - 0"	7' - 0"	ETR		WD	21	ETR		
E159	125	Existing	3' - 0"	7' - 0"	ETR		WD	21	ETR		
E160	126	Existing	3' - 0"	7' - 0"	ETR		WD	21	ETR		
E161A	123	Existing	6' - 0"	7' - 0"	ETR		WD	23	ETR		
E161B	123	Existing	8' - 0"	7' - 10 125/256"	ETR		STL	25	ETR		
E170	135	Existing	3' - 0"	7' - 0"	ETR		WD	04	ETR		
E175	148	Existing	3' - 0"	7' - 0"	ETR		WD	20	ETR		
E176	149	Existing	3' - 0"	7' - 0"	ETR		WD	19	ETR		
EC01	C01	Existing	3' - 0"	7' - 8 1/4"	ETR		ALUM	18	ETR		
EC03	C03	Existing	3' - 0"	7' - 8 1/4"	ETR		ALUM	18	ETR		
EC04	C04	Existing	3' - 0"	7' - 8 1/4"	ETR		ALUM	18	ETR		
EC07	C07	Existing	3' - 2"	7' - 10 3/4"	ETR		ALUM	18	ETR		
EEXT		Existing	3' - 0"	7' - 0"	ETR		HM	22	ETR		
101	101	New Construction	3' - 0"	8' - 8"	D4		WD	08	W3	HM	APPLY GF-1 TO GLASS
102	102	New Construction	3' - 0"	7' - 0"	D4		WD	04	F1	HM	
103A	103	New Construction	3' - 0"	7' - 0"	D4		WD	15	F2	HM	PAINT BOTH SIDES OF FRAME P-4
103B	103	New Construction	3' - 0"	7' - 0"	D4		WD	15	F1	HM	
104	104	New Construction	3' - 0"	7' - 0"	D4		WD	07	F2	HM	
106A	106	New Construction	6' - 0"	7' - 0"	D1		WD	12	F1	HM	
106B	106	New Construction	6' - 0"	7' - 0"	D7		WD	13	F1	HM	PAINT BOTH SIDES OF FRAME P-4
106C	106	New Construction	3' - 0"	7' - 0"	D4		WD	07	F1	HM	
106D	106	New Construction	6' - 0"	7' - 0"	D7		WD	13	F1	HM	PAINT BOTH SIDES OF FRAME P-4
107	107	New Construction	3' - 0"	7' - 0"	D2		WD	09	F1	HM	
108	108	New Construction	3' - 0"	7' - 0"	D2		WD	09	F1	HM	
109	109	New Construction	3' - 0"	7' - 0"	D2		WD	09	F1	HM	
110	110	New Construction	3' - 0"	7' - 0"	D2		WD	09	F1	HM	
111	111	New Construction	3' - 0"	7' - 0"	D4		WD	04	F1	HM	
114A	114	New Construction	3' - 0"	7' - 0"	D4		WD	10	F2	HM	
114B	114	New Construction	3' - 0"	7' - 0"	D4		WD	10	F1	HM	
115A	115	New Construction	3' - 0"	7' - 0"	D4		WD	11	F2	HM	
115B	115	New Construction	6' - 0"	7' - 0"	D7		WD	13	F1	HM	PAINT BOTH SIDES OF FRAME P-4
120	120	New Construction	3' - 0"	7' - 0"	D1		WD	02	F1	HM	
123B	123B	New Construction	3' - 0"	7' - 0"	D1		WD	03	F1	HM	
128A	128	New Construction	3' - 0"	7' - 0"	D4		WD	15	F2	HM	PAINT BOTH SIDES OF FRAME P-4
128B	128	New Construction	3' - 0"	7' - 0"	D4		WD	15	F2	HM	PAINT BOTH SIDES OF FRAME P-4
129A	129	New Construction	3' - 0"	7' - 0"	D4		WD	15	F2	HM	PAINT BOTH SIDES OF FRAME P-4
129B	129	New Construction	3' - 0"	7' - 0"	D4		WD	15	F2	HM	PAINT BOTH SIDES OF FRAME P-4
130	130	New Construction	3' - 0"	7' - 0"	D4		WD	07	F2	HM	PAINT BOTH SIDES OF FRAME P-4
131A	131	New Construction	3' - 0"	7' - 0"	D2		WD	06	F1	HM	
131B	131	New Construction	3' - 0"	7' - 0"	D2		WD	07	F1	HM	
132	132	New Construction	3' - 0"	7' - 0"	D4		WD	07	F2	HM	PAINT BOTH SIDES OF FRAME P-4
134A	134	New Construction	3' - 0"	7' - 0"	D4		WD	07	F2	HM	PAINT BOTH SIDES OF FRAME P-4
134B	134	New Construction	3' - 0"	7' - 0"	D2		WD	07	F1	HM	
140	140	New Construction	3' - 0"	7' - 0"	D2		WD	08	F1	HM	
141	141	New Construction	3' - 0"	7' - 0"	D2		WD	07	F1	HM	
142	142	New Construction	3' - 0"	7' - 0"	D2		WD	09	F1	HM	
143	143	New Construction	3' - 0"	7' - 0"	D2		WD	09	F1	HM	
144	144	New Construction	3' - 0"	7' - 0"	D2		WD	09	F1	HM	
145	145	New Construction	3' - 0"	7' - 0"	D1		WD	04	F1	HM	
147	147	New Construction	3' - 0"	7' - 0"	D1		WD	01	F1	HM	
151	151	New Construction	3' - 0"	7' - 0"	D2		WD	05	F1	HM	

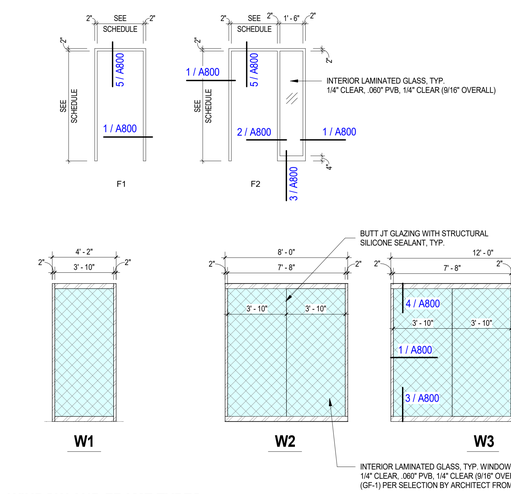
DOOR SCHEDULE - TO BE DEMOLISHED

DOOR NO.	ROOM NO.	DOOR WIDTH	DOOR HEIGHT	DOOR THK.	REMARKS
151A	121	3' - 0"	7' - 0"	0' - 1 3/4"	
E100A	100	6' - 0"	7' - 0"	0' - 1 3/4"	
E100B	103	6' - 0"	7' - 0"	0' - 1 3/4"	
E101	100	3' - 0"	7' - 0"	0' - 1 3/4"	
E103	100	3' - 0"	7' - 0"	0' - 1 3/4"	
E104	C06	3' - 0"	7' - 0"	0' - 1 3/4"	
E105	151	3' - 0"	7' - 0"	0' - 1 3/4"	
E106	150	3' - 0"	7' - 0"	0' - 1 3/4"	
E107	100	3' - 0"	7' - 0"	0' - 1 3/4"	
E108	100	3' - 0"	7' - 0"	0' - 1 3/4"	
E109	100	3' - 0"	7' - 0"	0' - 1 3/4"	
E109	100	3' - 0"	7' - 0"	0' - 1 3/4"	
E110	100	3' - 0"	7' - 0"	0' - 1 3/4"	
E110	100	3' - 0"	7' - 0"	0' - 1 3/4"	
E111	104	3' - 0"	7' - 0"	0' - 1 3/4"	
E112	104	3' - 0"	7' - 0"	0' - 1 3/4"	
E113	104	3' - 0"	7' - 0"	0' - 1 3/4"	
E114	C01	3' - 0"	7' - 0"	0' - 1 3/4"	
E116	104	3' - 0"	7' - 0"	0' - 1 3/4"	
E117A	106	3' - 0"	7' - 0"	0' - 1 3/4"	
E117B	106	3' - 0"	7' - 0"	0' - 1 3/4"	
E119	106	3' - 0"	7' - 0"	0' - 1 3/4"	
E120	106	3' - 0"	7' - 0"	0' - 1 3/4"	
E121	C01	3' - 0"	7' - 0"	0' - 1 3/4"	
E121	106	3' - 0"	7' - 0"	0' - 1 3/4"	
E124	134	3' - 0"	7' - 0"	0' - 1 3/4"	
E125	107	3' - 0"	7' - 0"	0' - 1 3/4"	
E126	C01	3' - 0"	7' - 0"	0' - 1 3/4"	
E127	108	3' - 0"	7' - 0"	0' - 1 3/4"	
E129	110	3' - 0"	7' - 0"	0' - 1 3/4"	
E131	131	3' - 0"	7' - 0"	0' - 1 3/4"	
E132	131	3' - 0"	7' - 0"	0' - 1 3/4"	
E133	131	3' - 0"	7' - 0"	0' - 1 3/4"	
E134	131	3' - 0"	7' - 0"	0' - 1 3/4"	
E135	131	3' - 0"	7' - 0"	0' - 1 3/4"	
E136	131	3' - 0"	7' - 0"	0' - 1 3/4"	
E137	131	3' - 0"	7' - 0"	0' - 1 3/4"	
E139	131	3' - 0"	7' - 0"	0' - 1 3/4"	
E141	114	3' - 0"	7' - 0"	0' - 1 3/4"	
E142	114	3' - 0"	7' - 0"	0' - 1 3/4"	
E143	114	4' - 0"	7' - 0"	0' - 1 3/4"	
E144	115	3' - 0"	7' - 0"	0' - 1 3/4"	
E150A	116	3' - 0"	7' - 0"	0' - 1 3/4"	
E152	120	3' - 0"	7' - 0"	0' - 1 3/4"	
E154	130	3' - 0"	7' - 0"	0' - 1 3/4"	
E162	C03	3' - 6"	7' - 0"	0' - 1 3/4"	
E163	128	3' - 6"	7' - 0"	0' - 1 3/4"	
E164	C03	3' - 6"	7' - 0"	0' - 1 3/4"	
E166	129	3' - 0"	7' - 0"	0' - 1 3/4"	
E167	129	3' - 0"	7' - 0"	0' - 1 3/4"	
E168	133	3' - 0"	7' - 0"	0' - 1 3/4"	
E169	134	3' - 0"	7' - 0"	0' - 1 3/4"	
E171	C05	3' - 0"	7' - 0"	0' - 1 3/4"	
E171A	141	3' - 0"	7' - 0"	0' - 1 3/4"	
E172	144	3' - 0"	7' - 0"	0' - 1 3/4"	
E173	145	3' - 0"	7' - 0"	0' - 1 3/4"	
E174	145	3' - 0"	7' - 0"	0' - 1 3/4"	
E178	C01	3' - 0"	7' - 0"	0' - 1 3/4"	
E179	100	3' - 0"	7' - 0"	0' - 1 3/4"	

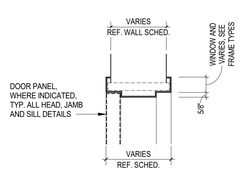


NOTE: ALL DOOR GLASS SHALL BE TEMPERED

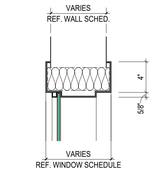
DOOR TYPES



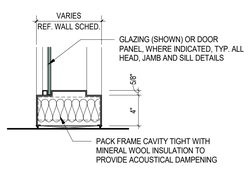
WINDOW AND FRAME TYPES



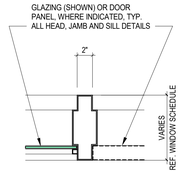
5 A800 **H1_HM HEAD CONDITION**
1 1/2" = 1'-0"



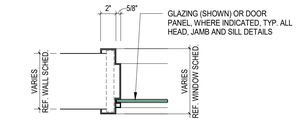
4 A800 **H2_HM HEAD CONDITION**
1 1/2" = 1'-0"



3 A800 **S1_SILL CONDITION**
1 1/2" = 1'-0"



2 A800 **J2_HM SIDELIGHT JAMB CONDITION**
1 1/2" = 1'-0"



1 A800 **J1_HM JAMB CONDITION**
1 1/2" = 1'-0"

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mcmillan pazdan smith
ARCHITECTURE

CONSULTANT LOGO

SEALS

STATE OF SOUTH CAROLINA — McMILLAN PAZDAN SMITH, LLC — GREENVILLE, SC — 100573 — REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA — JEFFREY K. TROUT — GREENVILLE, SC — 7129 — REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 01/01/2023
PHASE: 00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE

PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: Author

SHEET TITLE:

DOOR SCHEDULE

SHEET NO. A800

PROJ. NO. 025199.00

FURNITURE & EQUIPMENT PLAN NOTES

EQUIPMENT INDICATED ON THIS PLAN IN BLUE LINEWORK IS TO BE FURNISHED BY THE OWNER UNDER SEPARATE CONTRACT (N.I.C.). HOWEVER, ROUGH-IN INSTALLATION AND SERVICE CONVEYANCE FOR ALL REQUIRED INFRASTRUCTURE IS TO BE PROVIDED AND COORDINATED BY THE GENERAL CONTRACTOR.

FURNITURE ITEMS ON THIS PLAN IN MAGENTA LINEWORK ARE TO BE FURNISHED BY THE OWNER UNDER SEPARATE CONTRACT (N.I.C.) HOWEVER, ROUGH-IN INSTALLATION AND SERVICE CONVEYANCE FOR ALL REQUIRED INFRASTRUCTURE IS TO BE PROVIDED AND COORDINATED BY THE GENERAL CONTRACTOR.



A5 A991 **LEVEL 01 - FFE COORDINATION PLAN**

1/8" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

SEALS

STATE OF SOUTH CAROLINA McMILLAN PAZDAN SMITH, LLC GREENVILLE, SC 100573 REGISTERED ARCHITECTS

STATE OF SOUTH CAROLINA JEFFREY K. DUNN GREENVILLE, SC 7129 REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE:	01/01/2023
PHASE:	00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
A	12/08/2025	80% CD
B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE:	DM
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

SHEET TITLE:

FF&E PLAN

SHEET NO.

A991

PROJ. NO. 025199.00

FINISHES AND MATERIALS SCHEDULE

KEY	B.O.D. MANUFACTURER	PATTERN / ITEM NO	COLOR	SIZE	FINISH	INSTALLATION METHOD	NOTES	CONTACT
03 35 46 CONCRETE TOPICAL TREATMENTS								
SC	SEALED CONCRETE	REF SPECIFICATIONS	-	-	-	-	-	-
06 41 16 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS								
PLAM-1	WILSONART	STANDARD LAMINATE	ALABASTER D431	-	60 MATTE	-	USE COORDINATING PVC EDGE BAND	SARAH HARRIS: 839-810-7023 SARAH.HARRIS@WILSONART.COM
08 87 00 GLAZING SURFACE FILM								
GF-1	LEVEL (NATIONAL WALLCOVERING)	CONFETTI - STANDARD REPEAT WINDOW FILM | #LSWF017	COLOR FAMILY: WHITE; COLOR TYPE: TONAL	59"H X 180" ROLL/REPEAT	-	REF MANUFACTURER'S INSTALLATION INSTRUCTIONS	-	JILL GRIFFIN:828-781-0912 JILL.GRIFFIN@NATIONALWALLCOVERING.COM
09 21 16 GYPSUM BOARD ASSEMBLIES								
RV-1	FRY REGLET	DRYWALL REVEAL MOLDING	TBD - DESIGNER TO SELECT FROM MANUFACTURER'S FULL RANGE OF COLOR/FINISH SELECTIONS	1/4" REVEAL WIDTH; COORDINATE WITH GYP WALL TYPE	-	REF MANUFACTURER'S INSTALLATION INSTRUCTIONS	REF ANNOTATION PLAN, WALL FINISH PLAN, ELEVATIONS AND RCP FOR LOCATIONS	MATT MAGEE: 704-965-6586 MATTMAGEE@FRYREGLET.COM
09 30 00 TILING								
CT-1	MILESTONE | PALMETTO STATE TILE	URBAN LIVING	PEARL	12" X 24"; 8MM THICK	MATTE	STACKED; REF FLOOR AND WALL FINISH PLAN FOR DIRECTION AND EXTENT	GROUT: MAPEI KERAPOXY CQ, COLOR: 93 WARM GRAY (WALLS ONLY) & 02 PEWTER (FLOORS ONLY); GROUT THICKNESS: 1/8"	MELISSA PURVIS: 864-710-5480 MELISSA@PALMETTOTILE.COM
CT-2	DALTILE	MYTHOLOGY	CHRONOS MY93	4" X 12"; 5/16" THICK	GLOSSY	STACKED; REF WALL FINISH PLANS AND ELEVATIONS FOR MORE INFORMATION	GROUT: MAPEI KERAPOXY CQ, COLOR 93 WARM GRAY; GROUT THICKNESS: 1/8"	KATIE BERRY: 205-616-4405 KATIE.BERRY@DALTILE.COM
CT-3	DALTILE	MYTHOLOGY	SANTORINI MY90	4" X 12"; 5/16" THICK	GLOSSY	STACKED; REF WALL FINISH PLANS AND ELEVATIONS FOR MORE INFORMATION	GROUT: MAPEI KERAPOXY CQ, COLOR 93 WARM GRAY; GROUT THICKNESS: 1/8"	KATIE BERRY: 205-616-4405 KATIE.BERRY@DALTILE.COM
CTB-1	MILESTONE | PALMETTO STATE TILE	URBAN LIVING	PEARL	6"x24" *	MATTE	*CT-1 CUT IN HALF TO BE USED AS TILE BASE; CAP WITH TR-1 AND TRANSITION TO FLOOR CT WITH TR-2; CUT SIDE FACING DOWN	GROUT: MAPEI KERAPOXY CQ, COLOR 93 WARM GRAY (FLOORS ONLY); GROUT THICKNESS: 1/8"	MELISSA PURVIS: 864-710-5480 MELISSA@PALMETTOTILE.COM
TR-1	SCHLUTER	JOLLY	TSGB GREIGE	-	-	CT EXPOSED EDGES	-	DAN HELD: 404-695-6026 DHELD@SCHLUTER.COM
TR-2	SCHLUTER	DILEX-AHK	TSGB GREIGE	-	-	WALL CT TO FLOOR CT TRANSITION	-	DAN HELD: 404-695-6026 DHELD@SCHLUTER.COM
TR-3	SCHLUTER	DILEX-AHKA	TSGB GREIGE	-	-	WALL CT TO ADJACENT FLOORING	-	DAN HELD: 404-695-6026 DHELD@SCHLUTER.COM
09 51 13 ACOUSTICAL PANEL CEILINGS								
ACT-1	ARMSTRONG	CALLA NRC 0.90; CAC 35	WHITE	24" X 24", 1 3/4" THICK	-	EDGE:9/16 TEGULAR; SUPRAFINE 9/16" SUSPENSION SYSTEM	ACOUSTICS: 0.90 NRC / 35 CAC /170 AC	ERIN HEAD: ERHEAD@ARMSTRONGCEILINGS.COM
09 65 13 RESILIENT BASE AND ACCESSORIES								
RB-1	JOHNSONITE (TARKETT)	BASEWORKS TS RUBBER BASE WITH TOE	TA3 CASTAWAY CB	6" X 120' COIL	-	MITER INSDE AND OUTSIDE CORNERS	REF ROOM FINISH SCHEDULE FOR LOCATION	KIMBERLY TRIMBLE: 803-394-9611 KIMBERLY.TRIMBLE@TARKETT.COM
RB-2	JOHNSONITE (TARKETT)	BASEWORKS TS RUBBER BASE WITH TOE	18 NAVY BLUE	6" X 120' COIL	-	MITER INSDE AND OUTSIDE CORNERS	REF ROOM FINISH SCHEDULE FOR LOCATION	KIMBERLY TRIMBLE: 803-394-9611 KIMBERLY.TRIMBLE@TARKETT.COM
RB-3	JOHNSONITE (TARKETT)	BASEWORKS TS RUBBER BASE WITH TOE	TG6 MINK WG	6" X 120' COIL	-	MITER INSDE AND OUTSIDE CORNERS	REF ROOM FINISH SCHEDULE FOR LOCATION	KIMBERLY TRIMBLE: 803-394-9611 KIMBERLY.TRIMBLE@TARKETT.COM
TRS-1	JOHNSONITE (TARKETT)	ADAPTOR | CTA-XX-A	31 ZEPHYR CB	-	-	WOF / CPT TO RUB	-	KIMBERLY TRIMBLE: 803-394-9611 KIMBERLY.TRIMBLE@TARKETT.COM
TRS-2	JOHNSONITE (TARKETT)	EDGE GUARD | EG-XX-J	31 ZEPHYR CB	-	-	RUB TO CONC	-	KIMBERLY TRIMBLE: 803-394-9611 KIMBERLY.TRIMBLE@TARKETT.COM
TRS-3	SCHLUTER	RENO-U	AT SATIN NICKEL ANODIZED ALUMINUM	-	-	CT TO RUB	-	DAN HELD: 404-695-6026 DHELD@SCHLUTER.COM
TRS-4	JOHNSONITE (TARKETT)	EDGE GUARD | EG-XX-H	40 BLACK B	-	-	WOF / CPT TO CONC	-	KIMBERLY TRIMBLE: 803-394-9611 KIMBERLY.TRIMBLE@TARKETT.COM
09 65 16.33 RUBBER SHEET FLOORING								
RUB-1	NORA	NORAPLAN | DARIVA	BIRCH	49.21' X 4'; 3.0MM THICK	-	REF MANUFACTURER'S INSTALLATION INSTRUCTIONS & ADHESIVES	IN LABS ONLY - COLD WELD SEAMS	CAROLE MARET: 704-619-9315 CAROLE.MARET@NORA.COM
RUB-2	NORA	NORAPLAN | DARIVA	SYCAMORE	49.21' X 4'; 3.0MM THICK	-	REF MANUFACTURER'S INSTALLATION INSTRUCTIONS & ADHESIVES	IN LABS ONLY - COLD WELD SEAMS	CAROLE MARET: 704-619-9315 CAROLE.MARET@NORA.COM
RUB-3	NORA	NORAPLAN | DARIVA	WISTERIA	49.21' X 4'; 3.0MM THICK	-	REF MANUFACTURER'S INSTALLATION INSTRUCTIONS & ADHESIVES	IN LABS ONLY - COLD WELD SEAMS	CAROLE MARET: 704-619-9315 CAROLE.MARET@NORA.COM
09 68 13 TILE CARPETING								
CPT-1	MILLIKEN	MAJOR FREQUENCY THREE | IMPROMPTU	BOOST IPR161-141-19	25CM X 1M (9.84" X 39.4")	PVC-FREE WELLBAC COMFORT CUSHION	1/2 OFFSET	REF FLOOR FINISH PLAN FOR EXTENT AND LOCATION	DAWN TEMPLETON: 843-412-9256 DAWN.TEMPLETON@MILLIKEN.COM
WOF-1	INTERFACE	STEP REPEAT | SR799	104936 IRON	50CM X 50CM (19.69" X 19.69")	GLASBAC	QUARTER TURN	REF FLOOR FINISH PLAN FOR EXTENT AND LOCATION	BETH BAKER: 704-420-4290 BETH.BAKER@INTERFACE.COM
09 72 00 WALL COVERINGS								
VWC-1	MAHARAM	NEBULOUS 300032	010 LAGO	54" WIDTH, 30YD BOLT SIZE	PFAS-FREE PROTECTIVE TOPCOAT	REPEAT: NON-MATCH	CLASS: TYPE II; ASTM E84 ADHERED	STEPHANIE HAMILTON: 404-909-8443 SHAMILTON@MAHARAM.COM
VWC-2	MOMENTUM	VERDA	VERTE	52/54" WIDTH	-	REVERSE HANG, RANDOM MATCH	CLASS: TYPE II; ASTM E84 CLASS A	ALICIA DENTON: 404-216-3967 ADENTON@DESIGNTEX.COM
09 84 36 SOUND-ABSORBING CEILING UNITS								
AWP-1	TURF	WEDGE	83 HOLLAND OATS	2.25" W X 8.68"D *	-	REF RCP, P1000T UNISTRUT*	ACOUSTICS: ASTM C 423-17: TYPE J; ASTM E84 CLASS A;*REF RCP FOR INSTALLATION AND LENGTH NEEDED (AVAILABLE IN VARIABLE LENGTH 12"-119"L MAX); VERIFY DIMENSIONS IN FIELD, DO NOT TRIM IN FIELD, BAFFLES ARE HOLLOW INSIDE.	MARY-KELLER COSTA: 704-280-6299 MKCOSTA@CMGREPS.COM
09 91 23 INTERIOR PAINTING								
DFP-1	SHERWIN WILLIAMS	PRO INDUSTRIAL WATERBASED ACRYLIC DRYFALL FLAT, B42-2180 SERIES	SW7 103 WHITETAIL	-	DRY FALL PAINT, FLAT	EXPOSED STRUCTURE ABOVE		STEVE GOODE: 980-207-9410 STEVEN.R.GOODE@SHERWIN.COM
EP-1	SHERWIN WILLIAMS	PRO INDUSTRIAL WATERBASED CATALYZED EPOXY EGSHEL, B73-360 SERIES	SW7103 WHITETAIL	-	EPOXY, EGGSHELL	JANITORIAL CLOSET & RESTROOM WALLS AND CEILINGS		STEVE GOODE: 980-207-9410 STEVEN.R.GOODE@SHERWIN.COM
P-1	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC LATEX FLAT, B30-12650 SERIES	SW7 103 WHITETAIL	-	FLAT	CEILING NEUTRAL		STEVE GOODE: 980-207-9410 STEVEN.R.GOODE@SHERWIN.COM
P-2	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX EGSHELL, B20-12650 SERIES	SW7 103 WHITETAIL	-	EGGSHELL	BUILDING NEUTRAL		STEVE GOODE: 980-207-9410 STEVEN.R.GOODE@SHERWIN.COM
P-3	SHERWIN WILLIAMS	PRO INDUSTRIAL WATERBASED ALKYD URETHANE SEMI-GLOSS, B53-5150	SW7 103 WHITETAIL	-	SEMI-GLOSS	HM FRAMES & DOOR PANELS		STEVE GOODE: 980-207-9410 STEVEN.R.GOODE@SHERWIN.COM
P-4	SHERWIN WILLIAMS	PRO INDUSTRIAL WATERBASED ALKYD URETHANE SEMI-GLOSS, B53-5150	SW 6186 DRIED THYME	-	SEMI-GLOSS	HM FRAMES (ACCENT)		STEVE GOODE: 980-207-9410 STEVEN.R.GOODE@SHERWIN.COM
P-5	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX EGSHELL, B20-12650 SERIES	SW 6186 DRIED THYME	-	EGGSHELL	ACCENT COLOR		STEVE GOODE: 980-207-9410 STEVEN.R.GOODE@SHERWIN.COM
P-6	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX EGSHELL, B20-12650 SERIES	SW 6510 LOYAL BLUE	-	EGGSHELL	ACCENT COLOR		STEVE GOODE: 980-207-9410 STEVEN.R.GOODE@SHERWIN.COM
P-7	SHERWIN WILLIAMS	PRO INDUSTRIAL WATERBASED ALKYD URETHANE SEMI-GLOSS, B53-5150	SW 6510 LOYAL BLUE	-	SEMI-GLOSS	HM FRAMES (ACCENT)		STEVE GOODE: 980-207-9410 STEVEN.R.GOODE@SHERWIN.COM
10 11 16 MARKERBOARDS								
MKB-1	CLARIDGE PRODUCTS	LCS SERIES 4 MARKERBOARD	PORCELAIN-ENAMEL: NO. 100 WHITE	16'W X 4'H	TRIM: RAL9003 SIGNAL WHITE; TACK STRIP: GUILFORD OF MAINE FR701 - 1683 SILVER	REF SPECIFICATIONS, ANNOTATION PLANS & WALL FINISH PLANS FOR EXTENTS AND LOCATIONS.	BOX TRAY: INCLUDE DRY-ERASE MARKERS, SMALL STADIUM MARKER CADDY (MAGNETIC MARKER HOLDER), MAGNETIC ERASER, AND RARE EARTH MAGNETS (COLOR: GRAY).FROM MANUFACTURER; REF SPECIFICATIONS FOR MORE INFORMATION.	JASON ARNDT: 502-466-2022 JARNDT@CLARIDGEPRODUCTS.COM
MKB-2	CLARIDGE PRODUCTS	LCS SERIES 4 MARKERBOARD	PORCELAIN-ENAMEL: NO. 100 WHITE	12'W X 4'H	TRIM: RAL9003 SIGNAL WHITE; TACK STRIP: GUILFORD OF MAINE FR701 - 1683 SILVER	REF SPECIFICATIONS, ANNOTATION PLANS & WALL FINISH PLANS FOR EXTENTS AND LOCATIONS.	BOX TRAY: INCLUDE DRY-ERASE MARKERS, MAGNETIC MARKER HOLDER, MAGNETIC ERASER, AND RARE EARTH MAGNETS FROM MANUFACTURER; REF SPECIFICATIONS FOR MORE INFORMATION.	JASON ARNDT: 502-466-2022 JARNDT@CLARIDGEPRODUCTS.COM
MKB-3	CLARIDGE PRODUCTS	LCS SERIES 4 MARKERBOARD	PORCELAIN-ENAMEL: NO. 100 WHITE	4'W X 4'H	TRIM: RAL9003 SIGNAL WHITE; TACK STRIP: GUILFORD OF MAINE FR701 - 1683 SILVER	REF SPECIFICATIONS, ANNOTATION PLANS & WALL FINISH PLANS FOR EXTENTS AND LOCATIONS.	BOX TRAY: INCLUDE DRY-ERASE MARKERS, MAGNETIC MARKER HOLDER, MAGNETIC ERASER, AND RARE EARTH MAGNETS FROM MANUFACTURER; REF SPECIFICATIONS FOR MORE INFORMATION.	JASON ARNDT: 502-466-2022 JARNDT@CLARIDGEPRODUCTS.COM
10 21 13.19 PLASTIC TOILET COMPARTMENTS								
TP-1	SCRANTON PRODUCTS	HINY HIDERS	LINEN	-	ORANGE PEEL TEXTURE	-	MEETS NFPA 286	MASON STOKES: 678-425-7583 MASON@SSARCHSALES.COM
10 21 23 CUBICLE CURTAINS AND TRACK								
CC-1	KNOLL TEXTILES	WONDER 511533	001 PARADE	72" WIDTH	-	-	-	LAUREN OWENS: 839-262-5977 LOWENS@MAHARAM.COM
10 26 00 WALL AND DOOR PROTECTION								
CG-1	INPRO CORP.	CLEAR CORNER GUARDS | POLYCARBONATE	CLEAR	2.5" WING; HEIGHT FROM TOP OF RUBBER BASE TO BOTTOM OF CEILING	-	INSTALL WITH VHB TAPE; DO NOT DRILL; CUT TO SIZE BEFORE INSTALLATION WHRE APPLICABLE	SPECIFY WITHOUT DRILL HOLES; TO BE BACK PAINTED TO MATCH WALL COLOR	HOWARD HARRELL: 704-975-3226 HHARRELL@INPROCORP.COM
CG-2	INPRO CORP.	FLEXIBLE CLEAR CORNER GUARDS | FLEXIBLE VINYL	CLEAR	1" WING, HEIGHT FROM TOP OF RUBBER BASE TO BOTTOM OF CEILING	-	SELF-ADHESIVE BACKING; CUT TO SIZE BEFORE INSTALLATION WHRE APPLICABLE	SPECIFY WITHOUT DRILL HOLES; TO BE BACK PAINTED TO MATCH WALL COLOR	HOWARD HARRELL: 704-975-3226 HHARRELL@INPROCORP.COM
WP-1	INPRO CORP.	PALLADIUM RIGID SHEET	WHITE SAND 0103	4' x 8', .060" THICK	-	REF MANUFACTURER'S INSTALLATION INSTRUCTIONS & ADHESIVES	INSTALL USING COLOR MATCHING VINYL TRIM (TOP CAP, VERTICAL DIVIDER BAR, INSIDE CORNER, AND OUTSIDE CORNERS)	HOWARD HARRELL: 704-975-3226 HHARRELL@INPROCORP.COM
12 35 53.16 PLASTIC LAMINATE-CLAD LABORATORY CASEWORK								
PLAM-2	WILSONART	CHEMSURF LAMINATE	ALABASTER D431	-	60 MATTE	-	USE COORDINATING PVC EDGE BAND	SARAH HARRIS: 839-810-7023 SARAH.HARRIS@WILSONART.COM
12 36 61.13 PHENOLIC COUNTERTOPS								
PH-1	PIONITE (PANOLAM)	CHEMGUARD	STORM GRAY HP565	1" THICK	TEXTURED / SUEDE; BLACK PHENOLIC CORE	-	REF SPECIFCATIONS; INTEGRAL BACKSPLASH WHERE APPLICABLE; MITER EDGE; POLISH LAMINATE EDGES	BRYCE WALKER: BRYCE_WALKER@PANOLAM.COM
12 36 61.16 SOLID SURFACING COUNTERTOPS								
SS-1	WILSONART	SOLID SURFACE	CHIA CREAM MIRAGE 9111MG	1/2" THICK	-	-	INTEGRAL BACKSPLASH WHERE APPLICABLE; V-GROOVED EDGE (MITERED); USE WILSONART COLOR MATCH CAULK	SARAH HARRIS: 839-810-7023 SARAH.HARRIS@WILSONART.COM

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STATE OF SOUTH CAROLINA
JEFFREY K. TAYLOR
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REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 01/01/2023
PHASE: 00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: SP

SHEET TITLE:

FINISH AND MATERIAL LEGEND

SHEET NO.

PROJ. NO. 025199.00

ID001

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		WALLS				CEILING		MILLWORK		COMMENTS
		FINISH	BASE	N	E	S	W	MATERIAL	FINISH	COUNTERTOPS	CABINETS	
100	LOBBY	WOF-1 / RUB-1 / CPT-1	RB-1.2", TR-3	P-2	P-2	P-2 / CT-2	P-2	ACT / GWB	- / P-1.5	-	-	*RB-1 TO BE USED WITH CPT-1 ONLY
101	CONFERENCE ROOM	CPT-2	RB-2	P-2	P-2 / GF-1	P-2	VWC-1	AWP-1 / GWB	- / P-1	SS-1	PLAM-1	
102	ELEC.	SC	RB-1	P-2	P-2	P-2	P-2	-	DFP-1	-	-	
103	PTA CLASSROOM	CPT-1	RB-2	P-2	P-2	P-2	P-2	ACT	-	-	-	
104	OTA CLASSROOM	CPT-1	RB-2	P-2	P-2	P-2	P-2	ACT	-	-	-	
105	IT	SC	RB-1	P-2	P-2	P-2	P-2	-	DFP-1	-	-	
106	PTA OPEN LAB	RUB-1.2	RB-1	P-2	P-2 / WP-1	P-2 / WP-1	-	ACT	-	-	-	
106	PTA SKILLS LAB & MODALITY/THERAX LAB	RUB-1.2	RB-1	P-2 / WP-1	P-2	P-2 / WP-1	P-2 / WP-1	ACT	-	-	PLAM-1	
107	PTA DEPT. HEAD OFF. 1	CPT-1	RB-2	P-5	P-2	P-2	P-2	ACT	-	-	-	
108	PTA OFF. 2	CPT-1	RB-2	P-2	P-2	P-5	P-2	ACT	-	-	-	
109	OTA DEPT. HEAD OFF. 1	CPT-1	RB-2	P-2	P-2	P-5	P-2	ACT	-	-	-	
110	OTA OFF. 2	CPT-1	RB-2	P-2	P-2	P-5	P-2	ACT	-	-	-	
111	OTA/PTA STORAGE	RUB-1	RB-1	P-2	P-2	P-2	P-2	ACT	-	-	-	
112	WATER HEATER & ELEC	SC	RB-1	P-2	P-2	P-2	P-2	ACT	-	-	-	
114	OTA APARTMENT	RUB-1	RB-1	P-2 / CT-3	P-2 / CT-3	P-2	P-2	ACT*	-	SS-1	PLAM-1	*INSTALL CC-1 REF ANNOTATION & WALL FINISH PLANS
115	OTA SKILLS LAB & PED AREA	RUB-1.2	RB-1	P-2	P-2 / WP-1	P-2 / WP-1	P-2 / WP-1	ACT	-	PH-1	PLAM-2	
116	OTA/PTA LAUNDRY	RUB-1	RB-1	P-2	P-2	P-2	P-2	ACT	-	-	-	
117	JANITOR	CT-1	CTB-1	EP-1 / WP-1	EP-1	EP-1	EP-1 / WP-1	-	DFP-1	-	-	
118	MEN'S RR	CT-1	CTB-1, TR-2*	CT-1,2 / EP-1	CT-2 / EP-1	EP-1	CT-2 / EP-1	ACT	-	SS-1	PLAM-1	*INSTALL CTB-1 ON GYP WALLS NOT RECEIVING WALL TILE
119	WOMEN'S RR	CT-1	CTB-1, TR-2*	EP-1	CT-2 / EP-1	CT-1,2 / EP-1	CT-2 / EP-1	ACT	-	SS-1	PLAM-1	*INSTALL CTB-1 ON GYP WALLS NOT RECEIVING WALL TILE
120	FAMILY RR	CT-1	CTB-1, TR-2*	EP-1	EP-1	CT-1,2	EP-1	ACT	-	-	-	*INSTALL CTB-1 ON GYP WALLS NOT RECEIVING WALL TILE
121	GEN. STOR. A	SC	RB-1	P-2	P-2	P-2	P-2	ACT	-	-	-	
122	STUDENT CAFE	RUB-1 / WOF-1	RB-1	P-2	P-2	P-2 / CT-3	P-2	ETR	-	ETR	ETR	
123	DELIVERY	SC	RB-1	P-2	P-2	P-2	P-2	-	DFP-1	-	-	
123B	IT STORAGE	SC	RB-1	P-2	P-2	P-2	P-2	-	DFP-1	-	-	
124	RECEIVING	SC	RB-1	P-2	P-2	P-2	P-2	ETR	-	-	-	
125	UTILITIES	SC	RB-1	P-2	P-2	P-2	P-2	-	DFP-1	-	-	
126	UTILITIES	SC	RB-1	P-2	P-2	P-2	P-2	-	DFP-1	-	-	
127	SERVER	SC	RB-1	P-2	P-2	P-2	P-2	-	DFP-1	-	-	
128	GENERAL CLASSROOM	CPT-1	RB-2	P-2	P-2	P-2	P-2	ACT	-	-	-	
129	GENERAL CLASSROOM	CPT-1	RB-2	P-2	P-2	P-2	P-2	ACT	-	-	-	
130	SCIENCE LAB 1	RUB-1.3*	RB-3	EP-1	EP-1 / WP-1	EP-1	EP-1 / WP-1	ACT	-	PH-1	PLAM-2	*COLD WELD SEAMS
131	SCIENCE PREP	RUB-1*	RB-3	EP-1	EP-1	EP-1	EP-1 / WP-1	ACT	-	PH-1	PLAM-2	*COLD WELD SEAMS
132	SCIENCE LAB 2	RUB-1.3*	RB-3	EP-1	EP-1 / WP-1	EP-1	EP-1 / WP-1	ACT	-	PH-1	PLAM-2	*COLD WELD SEAMS
133	SCIENCE PREP	RUB-1*	RB-3	EP-1	EP-1	EP-1	EP-1 / WP-1	ACT	-	PH-1	PLAM-2	*COLD WELD SEAMS
134	SCIENCE LAB 3	RUB-1.3*	RB-3	EP-1	EP-1 / WP-1	EP-1	EP-1 / WP-1	ACT	-	PH-1	PLAM-2	*COLD WELD SEAMS
135	GEN. STOR. B	RUB-1	RB-1	P-2	P-2	P-2	P-2	ACT	-	-	-	
140	ADJUNCT OFFICES & COPIER (8 DESKS)	CPT-1	RB-2	P-2	P-5	P-2	P-2	ACT	-	SS-1	-	
141	FACULTY BREAKROOM	RUB-1	RB-1	P-5	P-2	P-2 / CT-3	P-2	ACT	-	SS-1	PLAM-1	
142	SCIENCE DEPT. HEAD OFF. 1	CPT-1	RB-2	P-2	P-5	P-2	P-2	ACT	-	-	-	
143	SCIENCE OFF. 2	CPT-1	RB-2	P-2	P-5	P-2	P-2	ACT	-	-	-	
144	SCIENCE OFF. 3	CPT-1	RB-1	P-2	P-5	P-2	P-2	ACT	-	-	-	
145	STUDENT STUDY	CPT-1	RB-2	VWC-2	VWC-2	-	VWC-2	ACT / GWB	- / P-1	-	-	
146	GEN. STOR. C	SC	RB-1	P-2	P-2	P-2	P-2	ACT	-	-	-	
147	MOTHER'S ROOM	RUB-1	RB-1,TR-2	EP-1	EP-1 / CT-2	EP-1	EP-1	ACT	-	-	-	
148	WOMEN'S RR	CT-1	CTB-1, TR-2*	EP-1	EP-1 / CT-2	CT-1,2 / EP-1	EP-1 / CT-2	ACT	-	SS-1	PLAM-1	*INSTALL CTB-1 ON GYP WALLS NOT RECEIVING WALL TILE
149	MEN'S RR	CT-1	CTB-1, TR-2*	CT-1,2 / EP-1	EP-1 / CT-2	EP-1	EP-1 / CT-2	ACT	-	SS-1	PLAM-1	*INSTALL CTB-1 ON GYP WALLS NOT RECEIVING WALL TILE
150	RECEPTION	CPT-1	RB-2	VWC-1	VWC-1	P-2	P-2	GWB	P-1	-	-	
151	ADMIN & FILE	CPT-1	RB-2	P-2	P-2	P-2	P-2	ACT	-	-	-	
201	VENDING/FOOD	WOF-1	RB-1	P-2	P-2	P-2	P-2	ETR	-	-	-	
C01	CORRIDOR	RUB-1.2 / WOF-1	RB-1	P-2	P-2	P-2.5	P-2	ACT / GWB	- / P-5	-	-	
C02	CORRIDOR	RUB-1	RB-1, TR-3	P-2	P-2	P-2	P-2 / CT-2	ACT / GBW	- / P-1	-	-	
C03	CORRIDOR	RUB-1,2,3 / WOF-1	RB-1	P-2,5	P-2	P-2,6	P-2	ACT / GWB	- / P-5	-	-	
C04	CORRIDOR	RUB-1 / WOF-1	RB-1	P-2	P-2	-	P-2	ACT / GWB	- / P-1	-	-	
C05	CORRIDOR	RUB-1	RB-1	P-2	P-2	-	P-2	ACT / GWB	- / P-1	-	-	
C06	CORRIDOR	RUB-1	RB-1, TR-3	P-2	P-2 / CT-2	P-2	P-2	ACT / GWB	- / P-1	-	-	
C07	CORRIDOR	RUB-1 / WOF-1	RB-1	-	P-2	P-2	P-2	ACT / GWB	- / P-1	-	-	

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STATE OF SOUTH CAROLINA
JEFFREY K. TROUP
GREENVILLE, SC
7129
REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 01/01/2023
PHASE: 00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
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C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: SP

SHEET TITLE:

ROOM FINISH SCHEDULE

SHEET NO. ID002

PROJ. NO. 025199.00

GENERAL FINISH NOTSE

A. ALL FINISHES ARE BASED ON PLAN NORTH.
B. SEE "FINISHES AND MATERIALS SCHEDULE" FOR FINISH MATERIAL INFORMATION AND "ROOM FINISH SCHEDULE" FOR SELECTIONS. REFER TO FINISH PLANS FOR EXTENT OF FLOOR AND WALL FINISH ACCENT LOCATIONS AND PATTERNS.
C. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY EXPOSED SURFACE NOT HAVING A FINISH SPECIFIED BEFORE STARTING CONSTRUCTION.
D. ALL ITEMS EXPOSED TO VIEW SHALL BE PAINTED OR STAINED UNLESS PREFINISHED BY MANUFACTURER OR UNO.
E. INSTALLATION OF FINISHES SHALL COMPLY WITH MANUFACTURERS' INSTALLATION SPECIFICATION REQUIREMENTS.
F. PRODUCTS INDICATED ARE BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION PER PRODUCT TYPE INDICATED.
G. CONTRACTOR IS RESPONSIBLE FOR CHECKING LEAD TIMES ON ALL FINISHES AS TO NOT DELAY WORK OR WORK OF OTHER TRADES.
H. CONTRACTOR TO PROVIDE MINIMUM 3% ATTIC STOCK OF ALL MATERIALS TO OWNER. MATERIAL TO BE PROVIDED IN UNOPENED BOXES.
I. REFER TO RCP FOR CEILING TYPES AND EXTENTS. REF CEILING COLUMN IN ROOM FINISH SCHEDULE FOR APPLICABLE CEILING, SOFFIT, AND BULKHEAD FINISHES.
J. REF ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES AND TYPES TO BE INCLUDED.
K. REF FINISH PLANS AND LEGEND FOR DOOR PAINT COLORS.
L. CAULK AT BASE OF DOOR FRAME BETWEEN FRAME AND FLOORING WITH COLOR MATCHED CAULK TO MATCH DOOR FRAME COLOR. TYP ALL LOCATIONS, UNO.
M. MILLWORK: ALL EXPOSED SURFACE OF MILLWORK TO BE COVERED WITH LAMINATE, UNO. NO MELAMINE OR UNFINISHED SURFACE WILL BE ACCEPTED, UNO. ALL WOOD GRAIN FINISHES SHALL BE INSTALLED WITH GRAINING RUNNING VERTICALLY, UNO. ALL MILLWORK TOE KICKS TO RECEIVE RESILIENT BASE, UNO. REF ELEVATIONS AND SECTIONS FOR NOTED EXCEPTIONS.

FLOOR FINISH NOTES

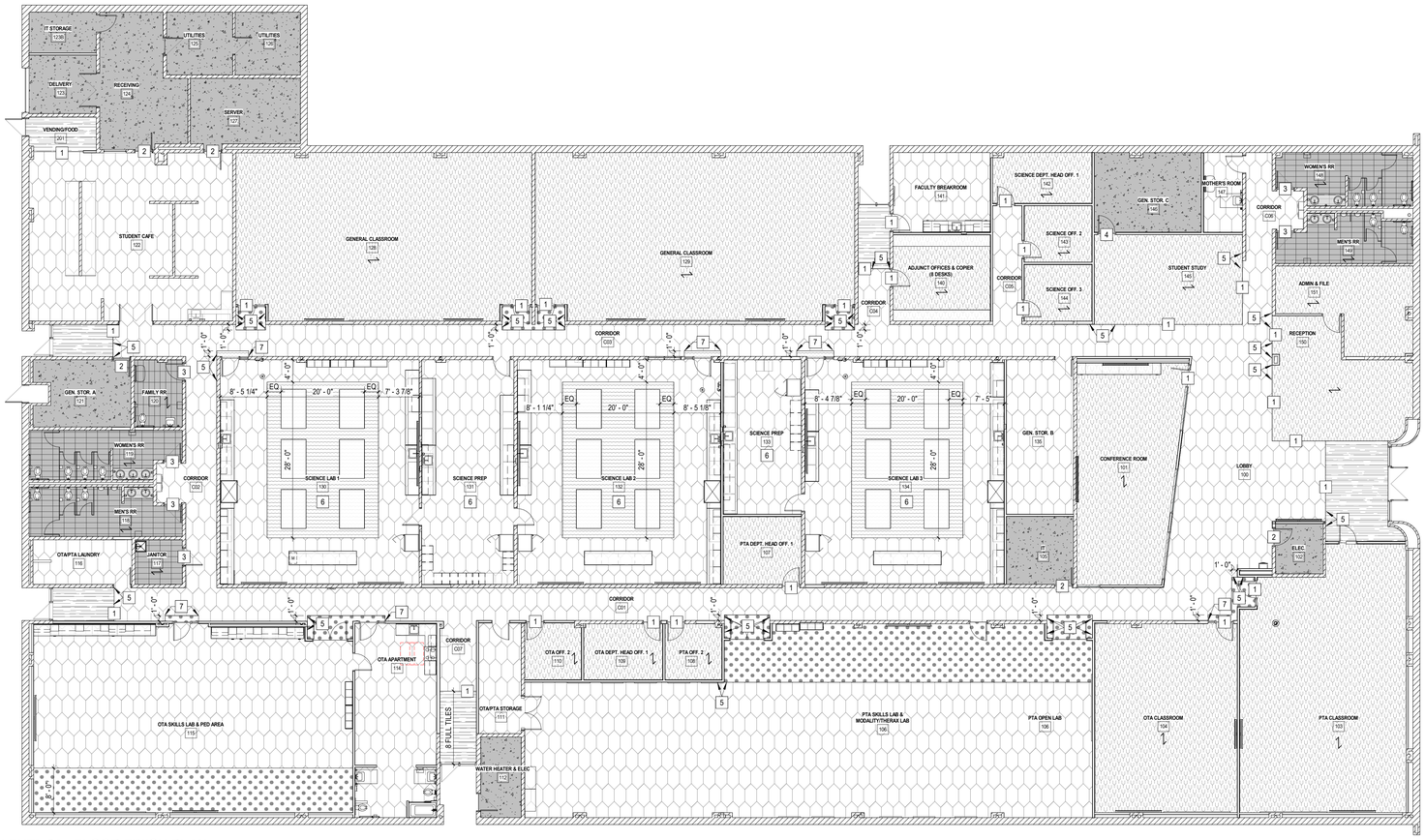
A. REF ROOM FINISH SCHEDULE FOR FLOOR FINISH SELECTIONS. FLOOR FINISH PLAN CLARIFIES MATERIAL/COLOR EXTENT AND TERMINATION LOCATIONS NOT EVIDENT IN SCHEDULE.
B. INSTALL ADA COMPLIANT TRANSITIONS STRIPS AT THRESHOLD BETWEEN DIFFERING FLOOR MATERIALS, UNO.
C. FLOOR MATERIAL TRANSITIONS BETWEEN ROOMS SHALL OCCUR AT THE CENTERLINE OF THE OPENING OR DOOR WHILE IN THE CLOSED POSITION, UNO.
D. USE APPROPRIATE SUBFLOOR LEVELER WHERE FLOORING MATERIAL TRANSITION DOES NOT MEET FLUSH AND/OR WHEN MATERIAL HEIGHT DOES NOT SATISFY TRANSITION STRIP TOLERANCE.
E. WALK-OFF FLOORING SHALL BE LOCATED AT ALL COMMON ENTRIES TO INTERIOR OF BUILDINGS. REF FINISHES AND MATERIALS SCHEDULE FOR DETAILS.
F. CONTINUE ALL SCHEDULED FLOORING MATERIALS UNDER MILLWORK AND INTO ALL RECESSES, UNO.
G. MINIMIZE FLOORING SEAMS / CUT PIECES AND PLACE IN INCONSPICUOUS AND LOW TRAFFIC AREAS WHERE POSSIBLE. CONTRACTOR TO PROVIDE ARCHITECT WITH SEAMING DIAGRAM AND INSTALLATION PLAN FOR ALL FLOORING PRIOR TO INSTALLATION OF ALL FLOOR COVERINGS.
H. REF FLOORING DIRECTION SYMBOL ON FLOOR FINISH PLANS FOR INSTALLATION DIRECTION. DO NOT FOLLOW HATCH PATTERN DIRECTION SHOWN ON PLANS, HATCH PATTERNS INDICATE MATERIAL LOCATION AND TRANSITION ONLY.

FLOOR FINISH LEGEND

- CPT-1
- CT-1
- SC
- RUB-1
- RUB-2
- RUB-3
- WOF
- INDICATES INSTALLATION DIRECTION OF PLANKS, TILE OR PATTERN

SHEET KEYNOTES

1. INSTALL TRS-1.
2. INSTALL TRS-2.
3. INSTALL TRS-3.
4. INSTALL TRS-4
5. ALIGN.
6. WELD SEAMS AND INSTALL INTEGRAL FLASH COVE BASE IN LABS / PREP ROOMS.
7. ALIGN WITH STOREFRONT / GYP REVEAL. REF ENTRY PAINT ACCENT DETAIL.



A5 / ID100 **LEVEL 01 - FLOOR FINISH PLAN**
3/32" = 1'-0"

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HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 01/01/2023
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SHEET ISSUE:

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B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE: DM
PROJECT ARCHITECT: JT
DRAWN BY: Author

SHEET TITLE:

FLOOR FINISH PLAN

SHEET NO. ID100

PROJ. NO. 025199.00

ADDITION & 4 FLR RM Autodesk Docs://ID2199.00_Horry Georgetown Technical College/ID2199.00_HGTC Conway Addition & 4 FLR RM_Central_CAD.rvt, 2/26/2026 3:46:37 PM, Printed by: Jeffrey Thompson
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J. REF ELECTRICAL INFORMATION FOR LIGHTING ALLOWANCES AND TYPES TO BE INCLUDED.
K. REF FINISH PLANS AND LEGEND FOR DOOR PAINT COLORS.
L. CAULK AT BASE OF DOOR FRAME BETWEEN FRAME AND FLOORING WITH COLOR MATCHED CAULK TO MATCH DOOR FRAME COLOR, TYP ALL LOCATIONS, UNO.
M. MILLWORK: ALL EXPOSED SURFACE OF MILLWORK TO BE COVERED WITH LAMINATE. UNO. NO MELAMINE OR UNFINISHED SURFACE WILL BE ACCEPTED. UNO. ALL WOOD GRAIN FINISHES SHALL BE INSTALLED WITH GRAINING RUNNING VERTICALLY, UNO. ALL MILLWORK TOE KICKS TO RECEIVE RESILIENT BASE, UNO. REF ELEVATIONS AND SECTIONS FOR NOTED EXCEPTIONS.

WALL FINISH NOTES

A. REF ROOM FINISH SCHEDULE FOR WALL FINISH SELECTIONS. WALL FINISH PLAN CLARIFIES MATERIAL/COLOR EXTENT AND TERMINATION LOCATIONS NOT EVIDENT IN SCHEDULE.
B. ALL HORIZONTAL AND VERTICAL SURFACES OF SOFFITS TO MATCH ADJACENT WALLS, UNO.
C. ALL DOORS, DOOR FRAMES, AND MULLIONS DESIGNATED TO RECEIVE PAINT SHALL HAVE SEMI-GLOSS FINISH. ALL WALLS, COLUMNS AND CEILINGS SCHEDULED TO RECEIVE PAINT SHALL BE EGGSHELL PAINT FINISH, UNO.
D. RESTROOM WALLS SELECTED TO RECEIVE WALL TILE SHALL HAVE WALL TILE FULL HEIGHT, UNO.
E. ALL GWB WALLS SHALL BE P-2 AND GWB CEILINGS P-1 IF NOT IDENTIFIED IN WALL FINISH PLAN WITH ACCENT MATERIAL/COLOR.
F. ALL ACCESS PANELS, SPRINKLER HEADS, RECESSED WIREWAYS, GRILLES, ELECTRICAL PANELS, AND OTHER SIMILAR ARCHITECTURAL, MECHANICAL AND ELECTRICAL ITEMS SHALL BE PAINTED TO MATCH THE COLOR OF THE SURROUNDING WALL OR CEILING, UNO.
G. WALLS IN DATA ROOMS ARE TO RECEIVE FIRE RATED PLYWOOD, FIRE RATED PAINTED COLOR: BLACK, FINISH: FLAT.

WALL FINISH LEGEND

- P-5 — INDICATES EXTENT, MATERIAL, AND COLOR OF WALL ACCENT
- P-6 — INDICATES EXTENT MATERIAL AND COLOR OF CEILING OR SOFFIT ACCENT
- P-8 — INDICATES EXTENT MATERIAL AND COLOR OF DOOR AND FRAME ACCENT
- □ — INDICATES INSTALLING CG-1, UNO.

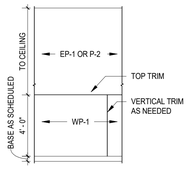
CT-1, CT-2, CT-3, VWC-1, VWC-2, WP-1

SHEET KEYNOTES

1. INSTALL TR-1.
2. INSTALL TR-2.
3. INSTALL TR-3
4. ALIGN
5. PAINT TRIM OF WINDOW P-7.
6. CEILING TRACK WITH CUBICLE CURTAINS (CC-1).
7. INSTALL CG-2.
8. INSTALL GF-1 ON CONFERENCE ROOM SIDE OF GLASS.

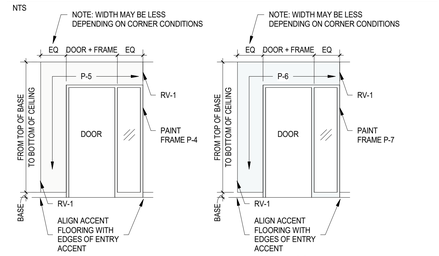
JAN. WALL PROTECTION TYPICAL

NTS

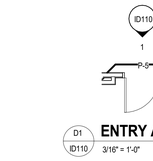


ENTRY PAINT ACCENT DETAIL

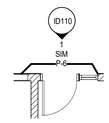
NTS



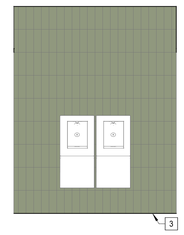
LAB ENTRIES ONLY



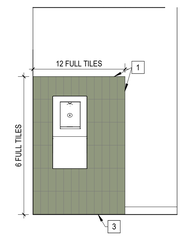
D1 ID110 — **ENTRY ACCENT** — 3/16" = 1'-0"



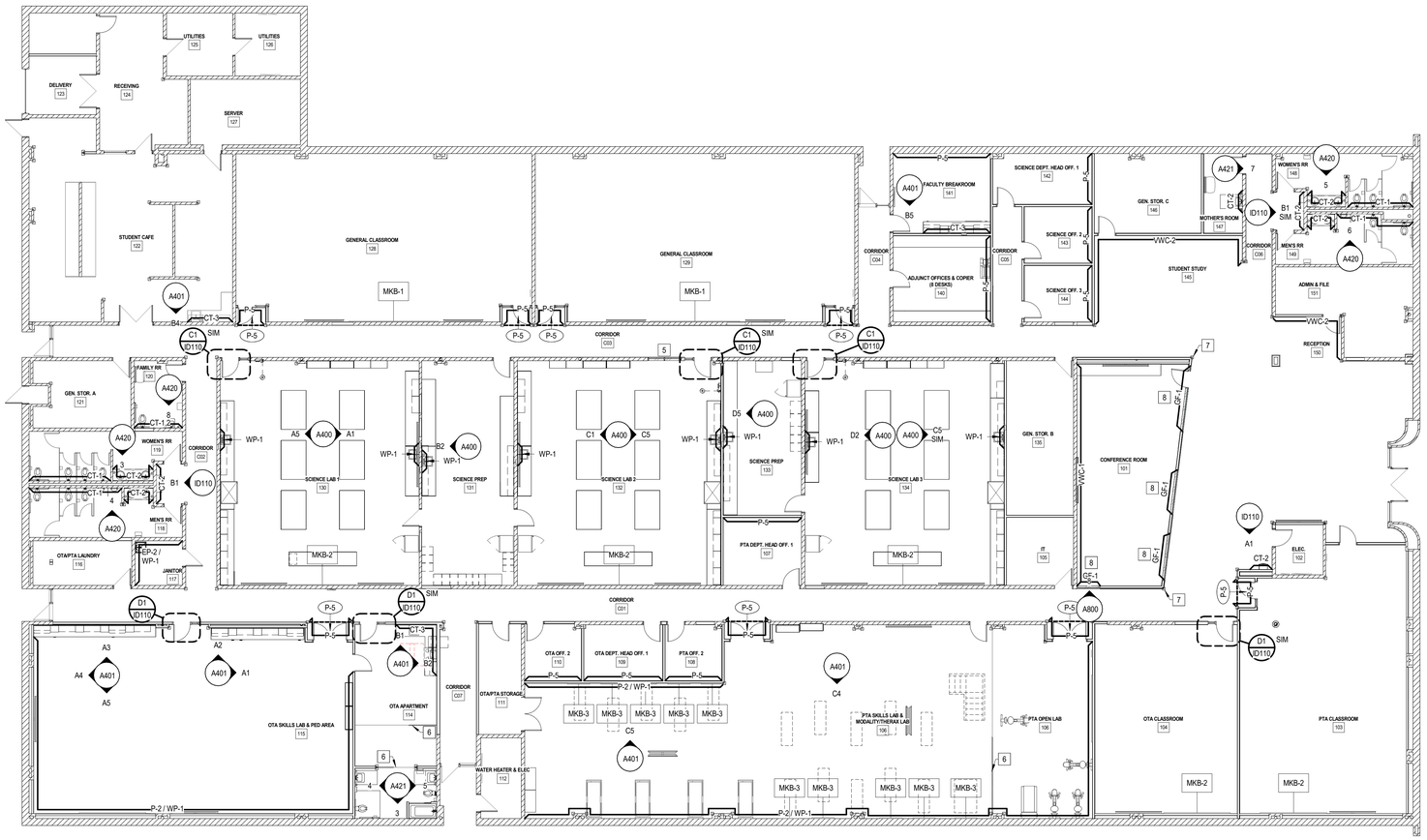
C1 ID110 — **TYP. LAB ENTRY ACCENT** — 3/16" = 1'-0"



B1 ID110 — **WATER FOUNTAIN TILE ELEVATION 2** — 3/8" = 1'-0"



A1 ID110 — **WATER FOUNTAIN TILE ELEVATION** — 3/8" = 1'-0"



A5 ID110 — **LEVEL 01 - WALL FINISH PLAN** — 3/32" = 1'-0"

mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

SEALS

McMILLAN PAZDAN SMITH, LLC GREENVILLE, SC 100573 — STATE OF SOUTH CAROLINA — REGISTERED ARCHITECTS

JEFFREY K. THOMPSON GREENVILLE, SC 7129 — STATE OF SOUTH CAROLINA — REGISTERED ARCHITECT

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE:	01/01/2023
PHASE:	00 NOT SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
B	01/16/2025	CD COST ESTIMATE
C	03/02/2026	CONST DOCS

PRINCIPAL IN CHARGE:	DM
PROJECT ARCHITECT:	JT
DRAWN BY:	Author

SHEET TITLE:

WALL FINISH PLAN

SHEET NO. ID110

PROJ. NO. 025199.00

Fire Sprinkler System Specification Sheet

(Per §40-10-250)

Project Data

Project name: HGTC BUILDING 5100 HEALTH SCIENCE RENOVATION

Location in South Carolina:	Address (street # & name): 2451 US-501		State Project: ☐ Yes ■ No
	City: Conway	County: Horry County	State Project #: NA

Water Supply Information

(Flow test data must be less than 1 year old per §40-10-250(A)(1))

Date test conducted: 2 / 10 / 2026	Static pressure (psi): 55	Residual pressure (psi): 50	Flow (gpm): 1130
Distances of test gauges relative to the base of the riser:	Horizontal (ft): 1720	Vertical (elevation difference in ft): 0	
Source of water supply:	■ Municipal dead-end ☐ Municipal circulation ☐ existing fire pump ☐ Other:		Pipe Size (in.): 6
Test data by/from:	Name: B. STAPLES	Title: NA	
	Organization: CITY OF CONWAY		Phone: (843)-248-1770
Fire pump: ☐ New ☐ Existing ■ No Pump	Rated Pressure (psi): NA	Churn Pressure (psi): NA	
	Rated Capacity (gpm): NA	Pressure @ 150% flow (psi): NA	
On-site water storage:	☐ Yes ■ No	☐ New ☐ Existing ☐ Tank ☐ Other:	Capacity (gal):

NFPA Hazard Classification

(Attach continuation page when necessary)

Area #	Hazard Class or Code Reference	Description of Hazard Protected (including occupancy use group, and details of storage arrangement as applicable (including commodity class, rack arrangement/type, ceiling and storage height.))
1	LIGHT HAZARD	CLASSROOMS, LABS, OFFICES
2	ORDINARY GROUP 1	STORAGE, ELECTRICAL, JANITOR, IT

Design Parameters

(Attach continuation page when necessary)

Area #	System Type	Density(gpm/ft²)/Area(ft²), or Other (Reference code sections)	Inside Hose (gpm)	Outside Hose (gpm)
1	WET	0.10/1500	--	100
2	WET	0.15/1500	--	250

Seismic Design Data: S_{DS}=: **Site Classification**=: D **Seismic Design Category**=: C

Codes and Standards

(Attach continuation page when necessary)

Applicable Codes, Standards, & Editions (i.e. 2018 IBC; 2016 NFPA 13, etc.) **for the Scope of Work on the Fire Sprinkler System**

2021 IBC, 2021 IFC, 2019 NFPA 13

Scope of work (i.e. sprinkler system A.G. from 1'-0" A.F.F., U.G. from tap to 5'-0" outside, etc.) and **notes** (attach continuation page when necessary):

MODIFY THE EXISTING NFPA 13 WET-PIPE SPRINKLER SYSTEM FOR THE NEW FLOOR PLAN.

Specifier's Information

Name: WILL BILLARD

Engineering services provided through a firm: ■ Yes ☐ No

Firm name: DWG, INC CONSULTING ENGINEERS

Address: 1009 ANNA KNAPP BLVD, SUITE 200

City: MOUNT PLEASANT

State: SC Zip: 29464

Phone: (843) 849-1141 Fax: (843) 849-6756

E-mail: WBillard@dwginc.com

SOUTH CAROLINA — DWG, INC. CONSULTING ENGINEERS No.C03649 — CERTIFICATE OF AUTHORIZATION

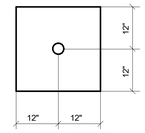
Certificate of Authorization

SOUTH CAROLINA — PROFESSIONAL ENGINEER — No.30241 — WILLIAM DEAN BILLARD

Professional Engineer's Seal

Revision No.: ____ Page 1 of 1 Signature: Will Billard

Form Version: July 1, 2021 Date: 3/2/2026



24" x 24" CEILING TILE

SPRINKLER HEAD LOCATION NOTES:

1. ALL LOCATIONS INDICATED ARE TO BE MAINTAINED WITHIN PLUS OR MINUS 1/2" AND ALIGNED WITH ADJACENT HEADS FOR A UNIFORM, EVEN APPEARANCE OF COMPLETED INSTALLATION. POSITIONS INDICATED APPLY TO FULL SIZE SMOOTH SURFACE TILES, AS WELL AS FULL SIZE SUB-GRIDDED (SCORED OR GRAPHICALLY DIVIDED) SURFACE TILES. THE APPEARANCE OF THE FINISHED CEILING TILE FACE AS INSTALLED OVERRIDES THE ACTUAL PHYSICAL DIMENSIONS OF THE TILE FOR PLACEMENTS INDICATED HEREIN. VERIFY CEILING TILE TYPES FROM ARCHITECTURAL DOCUMENTATION.
2. CONCEALED HEADS TO BE INSTALLED WITH COVERS FLUSH TO CEILING PLANE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. INSTALLATION OF ALL SPRINKLERS HEADS TO BE COORDINATED WITH STRUCTURE AND WORK OF OTHER TRADES, VERIFIED IN ADVANCE BY THE FIRE PROTECTION CONTRACTOR.

4 / FP001 — FIRE PROTECTION SPRINKLER LOCATION

NOT TO SCALE

FIRE PROTECTION SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SPRINKLER PIPING		PIPE UP
	PIPE TEE UP		PIPE DOWN
	PIPE TEE DOWN		PIPE REDUCER
	PIPE STRAIGHT TEE		EXISTING SPRINKLER
	FIRE DEPARTMENT CONNECTION	TS	TAMPER SWITCH
	PRESSURE GAUGE	FS	FLOW SWITCH
	SWING CHECK VALVE	PS	PRESSURE SWITCH
	LIGHT HAZARD		ORDINARY HAZARD, GROUP 1
	ORDINARY HAZARD, GROUP 2		LIGHT HAZARD, DRY PIPE SYSTEM

FIRE PROTECTION CODES & STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

CODE	DESCRIPTION
ASCE 7-16	MINIMUM DESIGN LOADS FOR BUILDINGS & OTHER STRUCTURES
IBC (2021)	INTERNATIONAL BUILDING CODE
IFC (2021)	INTERNATIONAL FIRE CODE
NFPA 13 (2019)	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
NFPA 25 (2020)	STANDARD FOR THE INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS

FIRE PROTECTION ABBREVIATIONS

ABBR	DESCRIPTION
(E)	EXISTING
AFC	ABOVE FINISHED CEILING
FDC	FIRE DEPARTMENT CONNECTION
FP	FIRE PROTECTION SPRINKLER PIPING
PSIG	POUNDS PER SQUARE INCH GAUGE
SF	SQUARE FOOT
U/G	UNDER GROUND
UNO	UNLESS NOTED OTHERWISE

GENERAL FIRE PROTECTION NOTES

1. DO NOT SCALE DRAWINGS. ROUGH FROM ARCHITECTURAL AND EQUIPMENT MANUFACTURER'S DRAWINGS. COORDINATE CEILING FINISHES AND HEIGHTS AS APPLICABLE.
2. CONTRACTOR SHALL MODIFY EXISTING AUTOMATIC WET PIPE SYSTEM CONFORMING TO NFPA 13.
3. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH NFPA 13 AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
4. COORDINATE SPRINKLER SYSTEMS WITH ALL TRADES TO AVOID INTERFERENCE AND CONFLICTS PRIOR TO INSTALLATION OF PIPING, VALVES, AND EQUIPMENT.
5. LOCATE VALVES TO PERMIT EASY ACCESSIBILITY AND IN ACCORDANCE WITH NFPA 13.
6. WHENEVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN FURNISH AND INSTALL COMPLETE AND READY FOR USE.
7. UNLESS OTHERWISE SHOWN OR NOTED, ALL PIPING SHALL BE RUN CONCEALED IN WALLS, CHASES, AND/OR ABOVE CEILINGS.
8. PROVIDE SPRINKLER COVERAGE THROUGHOUT BUILDING IN ACCORDANCE WITH SPECIFICATIONS AND NFPA 13.
9. PROVIDE SEISMIC BRACING PER NFPA 13 AND ASCE/SEI 7-16.
10. ALL SPRINKLERS SHALL BE CENTERED IN LAY-IN CEILING TILES OR CENTERED IN "HALF-TILE" LOCATIONS THROUGHOUT THE BUILDING.
11. SPRINKLERS SHALL BE PENDANT TYPE WITH POLISHED CHROME ESCUTCHEONS, UNO. PROVIDE QUICK RESPONSE SPRINKLERS UNLESS OTHERWISE REQUIRED BY NFPA.
12. THE BUILDING HAS PIPING, DUCTWORK, RACEWAYS, SUSPENDED LIGHT FIXTURES, ETC. THAT IMPOSE OBSTRUCTIONS TO SPRINKLERS. CONTRACTOR SHALL PROVIDE HEADS APPROPRIATELY BELOW AND ABOVE OBSTRUCTIONS TO PROVIDE PROPER COVERAGE OF THE ENTIRE FACILITY IN ACCORDANCE WITH NFPA 13 AS IT RELATES TO OBSTRUCTIONS.
13. ALL SITE UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. VERIFY EXACT LOCATION AND INVERT ELEVATION IN FIELD BEFORE BEGINNING WORK.
14. ALL SUSPENDED PIPING SHALL BE SUPPORTED FROM FLOOR AND/OR ROOF STRUCTURAL MEMBERS. IN NO CASE SHALL PIPING BE SUSPENDED FROM FLOOR AND ROOF DECK.
15. ALL PIPING IN AREAS WITH EXPOSED STRUCTURE SHALL BE INSTALLED TIGHT TO EXPOSED BEAMS. EXACT LOCATIONS IN PLAN AND ELEVATION SHALL BE COORDINATED WITH THE ARCHITECT DURING THE SHOP DRAWING REVIEW PHASE.
16. ALL WORK AND SYSTEM OUTAGES SHALL BE COMPLETED IN ACCORDANCE WITH NFPA 25 AND SHALL BE FULLY COORDINATED WITH THE OWNER.
17. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL LEGEND.
18. ALL FIRE FLOW TESTS MUST BE RERUN IF THE CALCULATIONS ARE PREFORMED TWELVE MONTHS OR LATER THAN THE TEST INDICATED ON THE FSSSS. IF RETESTING IS REQUIRED, IT WILL BE PROVIDED BY OWNER. REQUEST FROM OWNER / ENGINEER. COORDINATE SPRINKLER SYSTEMS WITH STRUCTURE AND ALL OTHER TRADES TO AVOID INTERFERENCE AND CONFLICTS PRIOR TO INSTALLATION OF PIPING, VALVES, AND EQUIPMENT.
19. PROVIDE UL RATED FIRE AND SMOKE PENETRATION FIRESTOPPING SYSTEMS FOR ALL PENETRATIONS OF FIRE RATED ASSEMBLIES.
20. FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SUBMITTALS TO AUTHORITIES HAVING JURISDICTION FOR PERMITTING AND ANY OTHER REQUIRED SUBMITTALS OR APPROVALS. FIRE SPRINKLER SHOP DRAWINGS, PRODUCT DATA, HYDRAULIC CALCULATIONS AND SEISMIC CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW. CONTRACTOR SHALL ADDRESS ENGINEER COMMENTS INCLUDING WRITTEN RESPONSES AND RESUBMIT UNTIL PRELIMINARY ENGINEERING APPROVAL IS GIVEN. THE ENGINEER OF RECORD WILL ATTACH THE FIRE SPRINKLER SYSTEM SPECIFICATION SHEET AND CERTIFICATE OF COMPLIANCE TO THE ATTACHMENTS AND FORWARD THEM TO THE SCLLR DIVISION OF FIRE AND LIFE SAFETY. CONTRACTOR SHALL ADDRESS SCLLR COMMENTS AND RESUBMIT WITH REVISED DOCUMENTS INCLUDING WRITTEN RESPONSES TO THE ENGINEER, UNTIL FINAL APPROVAL IS GIVEN.
21. THE END SPRINKLER ON A LINE SHALL BE RESTRAINED PER NFPA 13. SHOW DETAIL FOR END OF LINE RESTRAINTS ON SHOP DRAWING.
22. COORDINATE WORK WITH AUTHORITY HAVING JURISDICTION. OBTAIN ALL PERMITS AND PASS ALL INSPECTIONS FROM AUTHORITY HAVING JURISDICTION.

FIRE PROTECTION NOTE TO AUTHORITY HAVING JURISDICTION

FIRE SPRINKLER SHOP DRAWINGS AND CALCULATIONS ARE A DEFERRED DESIGN. SPRINKLER CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS TO ENGINEER AND FIRE MARSHAL PRIOR TO START OF SPRINKLER WORK.

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mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

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1009 Anna Knapp Blvd., Suite 200
Mt. Pleasant, SC 29464
843-849-1141
DWG #: 25050-00

SEALS

SOUTH CAROLINA — DWG, INC. CONSULTING ENGINEERS No.C03649 — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — PROFESSIONAL ENGINEER — No.30241 — WILLIAM DEAN BILLARD — 03/02/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 03/02/2026
PHASE: CD SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
C	03/02/2026	CONST DOCS

CHECKED BY: WDB
DRAWN BY: GSP

SHEET TITLE:

FIRE PROTECTION NOTES, LEGENDS, & DETAILS

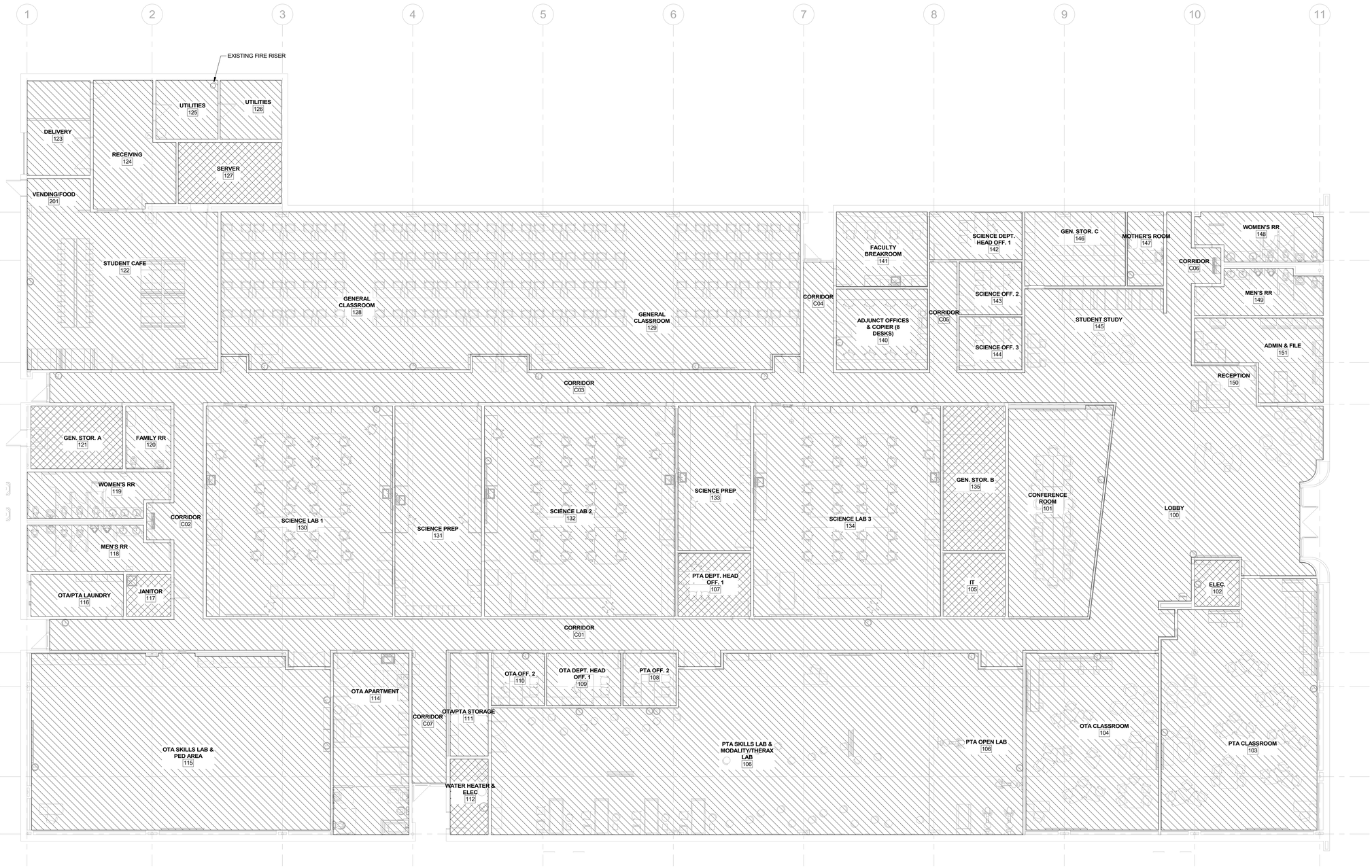
SHEET NO. FP001

PROJ. NO. H59-6374-CB

RENOVATION KEYNOTES

GENERAL NOTES

1. MODIFY EXISTING SPRINKLER SYSTEM TO SUIT NEW PARTITION LAYOUT FOR A COMPLETE SYSTEM THROUGHOUT THE BUILDING.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS (RCP) FOR ADDITIONAL INFORMATION ON WHERE CEILINGS ARE PRESENT.



1 FP101 LEVEL 01 - POWER & TELECOM PLAN
SCALE: 1/8" = 1'-0"

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843-849-1141
DWG #: 25050-00

SEALS

DWG, INC. CONSULTING ENGINEERS No.C03649 — SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA WILLIAM DEAN BILLARD No.30241 03/02/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 03/02/2026
PHASE: CD SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
C	03/02/2026	CONST DOCS

CHECKED BY: WDB
DRAWN BY: GSP

SHEET TITLE:
LEVEL 1 FIRE PROTECTION PLAN

SHEET NO. FP101

PROJ. NO. H59-6374-CB

PLUMBING SYSTEMS SEISMIC AND WIND REQUIREMENTS

PER IBC-2021/ASCE 7-16

A. PER THE 2021 INTERNATIONAL BUILDING CODE, MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND COMPONENTS, INCLUDING THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH CHAPTER 13 OF ASCE 7-16.

B. EXTERIOR EQUIPMENT (INCLUDING ROOF CURBS, RAILS, SUPPORTS) EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH CHAPTER 26 TO 29 OF ASCE 7-16.

C. WHERE DESIGN FOR SEISMIC AND WIND LOADS IS REQUIRED, THE MORE DEMANDING FORCE MUST BE USED.

D. REFERENCE THE STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY, WIND SPEEDS, ETC.

E. USE THE TABLE BELOW TO DETERMINE SEISMIC RESTRAINT REQUIREMENTS FOR EACH COMPONENT.

F. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL REGISTERED IN THE STATE THE JOB IS LOCATED. SUBMITTALS MUST INCLUDE STAMPED AND SIGNED DRAWINGS AND CALCULATIONS.

G. WHERE SEISMIC RESTRAINT IS REQUIRED, HOUSEKEEPING PADS NEEDED FOR THE INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT MUST BE DESIGNED BY THE SEISMIC ENGINEER. DO NOT POUR ANY HOUSEKEEPING PADS PRIOR TO THE RECEIPT OF THE APPROVED SEISMIC SUBMITTAL.

H. SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAYS AND BUS DUCT MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.

MECHANICAL COMPONENT IMPORTANCE FACTOR (Ip) DESIGNATION

Ip = 1.0	Ip = 1.5
• **ALL PLUMBING COMPONENTS EXCEPT AS NOTED IN Ip=1.5**	• **NONE.**

SEISMIC DESIGN CATEGORIES C

		COMPONENT IMPORTANCE FACTOR (Ip)			
		1.0		1.5	
COMPONENT IDENTIFICATION		SEISMIC RESTRAINT REQUIREMENT	NOTES	SEISMIC RESTRAINT REQUIREMENT	NOTES
ROOF MOUNTED		NOT REQUIRED	-	RESTRAIN ALL	-
FLOOR MOUNTED		NOT REQUIRED	-	RESTRAIN ALL	-
WALL MOUNTED		NOT REQUIRED	-	RESTRAIN ALL	-
COMPONENT SUPPORTS		NOT REQUIRED	-	RESTRAIN ALL	-
SUSPENDED EQUIPMENT	INLINE W/ DUCT	NOT REQUIRED	-	RESTRAIN IF >75 LBS PROVIDE FLEX. CONN.	3
	NOT INLINE W/ DUCT/PIPE	NOT REQUIRED	-	RESTRAIN ALL	1
SUSPENDED DUCTILE PIPING (STEEL, ALUMINUM, COPPER, ETC.)		NOT REQUIRED	-	>2"	4
SUSPENDED NON-DUCTILE PIPING (CAST IRON, PLASTIC, CERAMIC)		NOT REQUIRED	-	RESTRAIN ALL	4
SUSPENDED PIPE ON TRAPEZE		NOT REQUIRED	-	RESTRAIN IF ANY PIPE ON TRAPEZE > 2" RESTRAIN IF TOTAL WEIGHT OF PIPES ON TRAPEZE > 10 LBS/FT	4
DUCTWORK		NOT REQUIRED	-	RESTRAIN 6 SQ.FT. AND LARGER AND ≥ 17 LBS/FT	4,5
MULTIPLE DUCTS ON TRAPEZE		NOT REQUIRED	-	RESTRAIN IF TOTAL WEIGHT OF DUCTS ON TRAPEZE > 10 LBS/FT	4
COMPONENT CERTIFICATION		NOT REQUIRED	-	REQUIRED	6

NOTES:
1. EQUIPMENT 20 LBS. OR LESS IS EXEMPT IF THE COMPONENT IS POSITIVELY ATTACHED TO THE STRUCTURE AND FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
2. RESTRAINTS ARE NOT REQUIRED IF THE COMPONENT WEIGHS 400 LBS. OR LESS, IS MOUNTED WITH THE CENTER OF MASS LOCATED AT 4 FT. OR LESS ABOVE A FLOOR, IS POSITIVELY ATTACHED TO THE STRUCTURE AND HAS FLEXIBLE CONNECTIONS BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
3. FLEXIBLE CONNECTIONS REQUIRED FOR PIPE CONNECTIONS ONLY.
4. RESTRAINT IS NOT REQUIRED IF THE PIPING / DUCTWORK IS SUPPORTED BY HANGERS AND EACH HANGER IN THE PIPING RUN IS 12 IN. OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE SUPPORTING STRUCTURE. WHERE PIPES ARE SUPPORTED ON A TRAPEZE, THE TRAPEZE SHALL BE SUPPORTED BY HANGERS HAVING A LENGTH OF 12 IN. OR LESS. WHERE ROD HANGERS ARE USED, THEY SHALL BE EQUIPPED WITH SWIVELS, EYE NUTS OR OTHER DEVICES TO PREVENT BENDING IN THE ROD.
5. ALL DUCTWORK , REGARDLESS OF SIZE, DESIGNED TO CARRY TOXIC, HIGHLY TOXIC, OR EXPLOSIVE GASES OR USED FOR SMOKE CONTROL MUST BE RESTRAINED.
6. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY ENGINEER OF RECORD.

GENERAL PLUMBING NOTES

1. PROVIDE ALL MATERIALS AND LABOR NECESSARY FOR A COMPLETE PLUMBING SYSTEM.
2. DO NOT SCALE DRAWINGS. OBTAIN ROUGH-IN DIMENSIONS FROM ARCHITECTURAL DRAWINGS OR FROM MANUFACTURERS PRINTED INSTRUCTIONS AND RECOMMENDATIONS ONLY.
3. COORDINATE PLUMBING SYSTEMS WITH ALL TRADES TO AVOID CONFLICTS PRIOR TO INSTALLATION OF PLUMBING COMPONENTS.
4. OBTAIN ALL PERMITS AND INSPECTIONS FROM AUTHORITY HAVING JURISDICTION. THIS INCLUDES ALL FEES THAT MAY BE REQUIRED.
5. PROVIDE OWNER WITH CERTIFICATES OF FINAL INSPECTION FROM AUTHORITY HAVING JURISDICTION.
6. WHENEVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN FURNISH AND INSTALL COMPLETE AND READY FOR USE.
7. UNLESS OTHERWISE SHOWN OR NOTED, ALL PIPING SHALL BE RUN CONCEALED IN WALLS, CHASES AND/OR ABOVE CEILINGS.
8. ALL SUSPENDED PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURAL MEMBERS. IN NO CASE SHALL PIPING BE SUSPENDED FROM FLOOR OR ROOF DECK.
9. WHERE PIPES PENETRATE FIRE RATED ASSEMBLIES, SEAL OPENING AROUND PIPES WITH U.L. LISTED FIRE STOPPING MATERIAL TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY.
10. PROVIDE INSULATION FOR PIPING COLLECTING CONDENSATE DRAIN.
11. PROVIDE HANGERS AND SUPPORTS WITHIN 12" OF EACH HORIZONTAL ELBOW FOR SANITARY AND VENT PIPING.
12. ALL CONNECTIONS TO, OR SHUTDOWN OF, EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER TO PROVIDE MINIMAL INTERFERENCE WITH THEIR OPERATIONS AND DOWNTIME OF THE SYSTEM.
13. AREAS OF WORK EXIST FOR THE PROJECT WHICH WERE NOT ACCESSIBLE OR PROVIDED LIMITED ACCESS DURING DESIGN. AS SUCH, CONTRACTOR SHALL VERIFY ALL UTILITIES IN AREA OF WORK INCLUDING LOCATION AND INVERT ELEVATION BEFORE DEMOLITION OF ANY SERVICE. ANY PIPING NOT SHOWN SHALL BE IDENTIFIED AND THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED AS SOON AS POSSIBLE. NO PIPING REWORK SHALL BE COMMENCED WITHOUT COORDINATION OF BOTH ARCHITECT AND ENGINEER.
14. IN AREAS WHERE THE EXISTING CEILINGS ARE NOT SLATED TO BE REPLACED, THE CONTRACTOR SHALL WORK THROUGH THE EXISTING CEILING (SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR AREA OF WORK). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY DAMAGED TILE OR GRID THAT IS A RESULT OF THEIR WORK.
15. UNLESS OTHERWISE NOTED, WHERE EXISTING PIPING MUST BE DEMOLISHED, REMOVE ALL PIPING BACK TO THE MAIN AND CAP WITHIN ONE AND A HALF PIPE DIAMETERS NOT TO EXCEED 3 INCHES. DO NOT ABANDON DEAD LEG PIPING IN DOMESTIC WATER SYSTEMS.
16. PROVIDE A TEMPERATURE LIMITING DEVICE CONFORMING TO ASSE 1070 AT EACH LAVATORY, HAND WASHING SINK, OR ANY FIXTURE WITH A SENSOR FAUCET TO DELIVER 105°F WATER, UNLESS OTHERWISE NOTED. PROVIDE WATTS LFUSG-B FOR INDIVIDUAL LAVATORIES OR WATTS LFMMV FOR GROUPS OF LAVATORIES, OR APPROVED EQUALS.

PLUMBING ABBREVIATIONS

ABBR	DESCRIPTION
A/C	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFP	BACKFLOW PREVENTER
BTU	BRITISH THERMAL UNIT
BV	ISOLATION VALVE
BWV	BACKWATER VALVE
C	DOMESTIC COLD WATER SUPPLY
CFM	CUBIC FEET PER MINUTE
CO2	CARBON DIOXIDE GAS
CV	CONCENTRIC VENT
DIA	DIAMETER
DS	DRY TYPE FIRE SPRINKLER PIPING
F/A	FROM ABOVE
FCO	FLOOR CLEANOUT
FPM	FEET PER MINUTE
FS	WET TYPE FIRE SPRINKLER PIPING
FT	FEET
G	GREASE/KITCHEN WASTE
GPF	GALLON PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	DOMESTIC HOT WATER SUPPLY
HA	HAMMER ARRESTOR
HB	HOSE BIBB
HCP	HOT WATER RECIRCULATING PUMP
HR	DOMESTIC HOT WATER RETURN
I-A	INSTRUMENT AIR
IN	INCHES
IN WG	INCHES WATER GUAGE
MA	MEDICAL AIR
N	NITROGEN GAS
N20	NITROUS OXIDE GAS
NG	NATURAL GAS
O	OXYGEN GAS
OF	SECONDARY STORM
OFO	OVERFLOW OUTLET
P	PROPANE
PC	PLUMBING CONTRACTOR
S	SANITARY/WASTE PIPING
ST	STORM
T	TEMPERED WATER SUPPLY
TP	TRAP PRIMER
TR	TEMPERED WATER RETURN
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VENT PIPING
VAC	VACUUM
VTR	VENT THRU ROOF
WCO	WALL CLEANOUT
WH	WATER HEATER

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
BFP	BACKFLOW PREVENTER		CONNECTION TO EXISTING SYSTEM
	FLOW CONTROL		DEMOLITION EXTENT
	PRESSURE REDUCING VALVE		CONTROL VALVE
	SWING CHECK VALVE		BALANCING VALVE
	PLUG VALVE		ISOLATION VALVE
	PIPE UP		SOLENOID VALVE
	PIPE REDUCER		PIPE DOWN
	PIPE TEE DOWN		PIPE STRAIGHT TEE
	HOSE BIBB - INTERIOR, EXTERIOR	FCO	FLOOR CLEANOUT
VTR	VENT THROUGH ROOF	FD	FLOOR DRAIN WITH FLOOR SLOPED TO DRAIN
			TRAP PRIMER

PLUMBING PIPING LEGEND

———	SANITARY AND WASTE PIPING
– – – – – – – – – –	VENT PIPING
——— – ———	DOMESTIC COLD WATER PIPING
——— – – ———	DOMESTIC HOT/TEMPERED WATER PIPING
——— – – – ———	DOMESTIC HOT/TEMPERED WATER RETURN PIPING
— · —	NATURAL GAS PIPING
———	STORM PIPING
———	SECONDARY STORM PIPING

PLUMBING CODES & STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

CODE	DESCRIPTION
DPH R.60-16 (2025)	SOUTH CAROLINA DEPARTMENT OF PUBLIC HEALTH REGULATIONS 60-16 MINIMUM STANDARDS FOR LICENSING HOSPITALS AND INSTITUTIONAL GENERAL INFIRMARIES
IBC (2021)	INTERNATIONAL BUILDING CODE
IECC (2009)	INTERNATIONAL ENERGY CONSERVATION CODE
IFGC (2021)	INTERNATIONAL FUEL GAS CODE
IPC (2021)	INTERNATIONAL PLUMBING CODE
NFPA 99 (2018)	HEALTH CARE FACILITIES CODE
SCDA 61-25 (2019)	SOUTH CAROLINA DEPARTMENT OF AGRICULTURE REGULATION 61-25 RETAIL FOOD ESTABLISHMENTS
SMACNA (2020)	HVAC DUCT CONSTRUCTION STANDARDS MANUAL, FOURTH EDITION

HAMMER ARRESTOR SCHEDULE

UNIT I.D.	PDI UNIT	FIXTURE UNIT	MANUFACTURER
HA	A	1-11	JOSAM 75000 OR EQUIVALENT ZURN, SMITH
HA	B	12-32	JOSAM 75000 OR EQUIVALENT ZURN, SMITH
HA	C	33-60	JOSAM 75000 OR EQUIVALENT ZURN, SMITH
HA	D	61-113	JOSAM 75000 OR EQUIVALENT ZURN, SMITH
HA	E	114-154	JOSAM 75000 OR EQUIVALENT ZURN, SMITH

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE TYPE	FIXTURE DESCRIPTION	HOT WATER	COLD WATER	WASTE	VENT	BASIS OF DESIGN	MODEL	COMMENTS
FD	FLOOR DRAIN	DURA-COATED CAST IRON BODY FLOOR DRAIN WITH BOTTOM OUTLET, ADJUSTABLE ROUND NICKEL BRONZE STRAINER.	---	1/2" TP	4"	2"	ZURN	Z415B	---
P-1	FLOOR MOUNTED WATER CLOSET - MANUAL FLUSH VALVE	FLOOR MOUNTED & FLUSHOMETER COMBO, FLOOR OUTLET, VITREOUS CHINA, SIPHON JET WATER CLOSET WITH ELONGATED BOWL (DESIGNED FOR A 1.6 GALLON FLUSH CYCLE) AND MANUAL FLUSH VALVE. WATER CLOSET SHALL BE FITTED WITH OPEN FRONT SEAT WITHOUT COVER.	---	1"	4"	2"	SLOAN FIXTURE SLOAN FLUSHOMETER	ST-2009 WETS-2000.1010	---
P-1A	FLOOR MOUNTED WATER CLOSET - MANUAL FLUSH VALVE	ADA COMPLIANT, FLOOR MOUNTED & FLUSHOMETER COMBO, FLOOR OUTLET, VITREOUS CHINA, SIPHON JET WATER CLOSET WITH ELONGATED BOWL (DESIGNED FOR A 1.6 GALLON FLUSH CYCLE) AND MANUAL FLUSH VALVE. WATER CLOSET SHALL BE FITTED WITH OPEN FRONT SEAT WITHOUT COVER. COORDINATE LOCATION OF HANDLE WITH OPEN SIDE OF ADA STALL.	---	1"	4"	2"	SLOAN FIXTURE SLOAN FLUSHOMETER	ST-2029 WETS-2023.1010	---
P-2A	FLOOR MOUNTED WATER CLOSET - MANUAL FLUSH VALVE	ADA COMPLIANT, FLOOR MOUNTED & FLUSHOMETER COMBO, FLOOR OUTLET, VITREOUS CHINA, SIPHON JET WATER CLOSET WITH ELONGATED BOWL (DESIGNED FOR A 1.6 GALLON FLUSH CYCLE) AND HARD WIRED SENSOR FLUSH VALVE. WATER CLOSET SHALL BE FITTED WITH OPEN FRONT SEAT WITHOUT COVER. COORDINATE LOCATION OF HANDLE WITH OPEN SIDE OF ADA STALL.	---	1"	4"	2"	SLOAN FIXTURE SLOAN FLUSHOMETER	ST-2029 WETS-2023.1410	---
P-3	PUBLIC LAVATORY	COUNTER TOP 20-1/4" VITREOUS CHINA DROP-IN BATHROOM SINK. THE LAVATORY SHALL BE FITTED WITH 1.2 GPM 4" CENTERSET FAUCET WITH MANUAL LEVER OPERATION. TRIM TO INCLUDE PERFORATED GRID STRAINER AND ADA OFFSET DRAIN FOR HANDICAPPED MODEL, 1-1/4" CAST BRASS (17 GAUGE) P-TRAP AND LOOSE KEY ANGLE SUPPLIES. DRAIN, TRAP, AND SUPPLIES SHALL BE INSULATED BY MEANS OF A LAY-SHIELD. SEE DETAIL. INCLUDE WITH ASSE 1070 RATED THERMOSTATIC MIXING VALVE.	1/2"	1/2"	1-1/2"	1-1/2"	KOHLER FIXTURE AMERICAN STANDARD FAUCET	K-2196-1 7075.000	---
P-4	PRIVATE LAVATORY	WALL-MOUNTED 22" VITREOUS CHINA, 4" CENTERSET MANUAL LEVER FAUCET, TRIM TO INCLUDE PERFORATED GRID STRAINER AND ADA OFFSET DRAIN FOR HANDICAPPED HC MODEL, 1-1/4" CAST BRASS (17 GAUGE) P-TRAP AND LOOSE KEY ANGLE SUPPLIES, SUPPLIES SHALL BE INSULATED BY MEANS OF A LAY-SHIELD. INCLUDE WITH ASSE 1070 RATED THERMOSTATIC MIXING VALVE.	1/2"	1/2"	1-1/2"	1-1/2"	KOHLER FIXTURE AMERICAN STANDARD FAUCET	K-2035-4 7075.000	INSTALL PER MANUFACTURER'S INSTRUCTIONS FOR ADA COMPLIANCE
P-5	WALL-HUNG URINAL	CARRIER MOUNTED, WHITE VIRTEOUS CHINA URINAL (DESIGNED FOR A MAX 1.0 GALLON FLUSH CYCLE), HEAVY-DUTY FLOOR-MOUNTED CARRIER, 3/4" TOP SPUD, HARD WIRED FLUSH VALVE.	---	3/4"	2"	1-1/2"	SLOAN FIXTURE SLOAN FLUSH VALVE	SU-1009 WEUS-1000.1301	INSTALL PER MANUFACTURER'S INSTRUCTIONS FOR ADA COMPLIANCE
P-6	LAB SINK	22" x 19-1/2" x 5-1/2" SINGLE BOWL DROP-IN STAINLESS STEEL ADA SINK WITH 8" DECK-MOUNED CENTER SET FAUCET WITH 1.5 GPM FLOW RATE, BLADE HANDLES. PROVIDE BASKET DRAIN. INCLUDE WITH ASSE 1070 RATED THERMOSTATIC MIXING VALVE.	1/2"	1/2"	1-1/2"	1-1/2"	ELKAY FIXTURE AMERICAN STANDARD FAUCET	LRAD221955-3 6409.180	---
P-7	MOTHER'S ROOM SINK	SOLID SURFACE WALL-MOUNTED COUNTER TOP SINK, DECK MOUNTED SINGLE HOLE FAUCET WITH 1.0 GPM FLOW RATE, TRIM TO INCLUDE PERFORATED GRID STRAINER AND ADA OFFSET DRAIN FOR HANDICAPPED HC MODEL, 1-1/4" CAST BRASS (17 GAUGE) P-TRAP AND LOOSE KEY ANGLE SUPPLIES, SUPPLIES SHALL BE INSULATED BY MEANS OF A LAY-SHIELD. INCLUDE WITH ASSE 1070 RATED THERMOSTATIC MIXING VALVE.	1/2"	1/2"	1-1/2"	1-1/2"	SLOAN FIXTURE MOEN FAUCET	ELG-81000 6198	INSTALL PER MANUFACTURER'S INSTRUCTIONS FOR ADA COMPLIANCE
P-8	BREAK ROOM SINK	22" x 19-1/2" x 6" SINGLE BOWL DROP-IN STAINLESS STEEL ADA SINK WITH CENTER-SET LEVER HANDLE FAUCET WITH 1.8 GPM FLOW RATE, PULL-DOWN SPRAY. PROVIDE BASKET DRAIN. INCLUDE WITH ASSE 1070 RATED THERMOSTATIC MIXING VALVE.	1/2"	1/2"	2"	1-1/2"	ELKAY FIXTURE ELKAY FAUCET	LRAD221960 LK1410	---
P-9	KITCHEN SINK	31" x 22" x 10 1/8" SINGLE BOWL DROP-IN STAINLESS STEEL KITCHEN SINK WITH CENTER-SET LEVER HANDLE FAUCET WITH 1.8 GPM FLOW RATE, PULL-DOWN SPRAY. PROVIDE BASKET DRAIN. INCLUDE WITH ASSE 1070 RATED THERMOSTATIC MIXING VALVE.	1/2"	1/2"	2"	1-1/2"	ELKAY FIXTURE DELTA FAUCET	DLR312210PD 19846TLZ	---
P-10	MOP SINK	24" x 24" FIAT MOLDED STONE MOP BASIN WITH 10" HIGH SIDES AND INTEGRAL 3" CHROME PLATED DRAIN WITH SEAL FOR CONNECTION TO WASTE PIPING. MOP BASIN SHALL BE FITTED WITH STAINLESS STEEL BUMPER GUARDS, STAINLESS STEEL WALL GUARDS, HOSE, HOSE AND MOP BRACKETS. FAUCET SHALL BE A CHROME-PLATED, SOLID BRASS FAUCET WITH INTEGRAL CHECK VALVES AND VACUUM BREAKER. PROVIDE ADDITIONAL BACKFLOW PREVENTER CONFORMING TO ASSE 1052 ON THE FAUCET OUTLET. INCLUDE WITH ASSE 1070 RATED THERMOSTATIC MIXING VALVE.	1/2"	1/2"	3"	2"	FIAT SINK BASIN CHICAGO SINK FAUCET WATTS HOSE CONNECTION	MSB2424 897-CCP SERIES LFN9-CD	---
P-11	SINGLE STATION WATER COOLER	SINGLE SELF-CONTAINED WALL-HUNG ELECTRIC REFRIGERATED 8 GPH WATER COOLER WITH BOTTLE FILLER. ORIFICE HEIGHTS SHALL BE ADA COMPLIANT WITH A CANE APRON.	---	1/2"	1-1/2"	1-1/2"	Elkay Manufacturer Company	EZS8WSLK	INSTALL PER MANUFACTURER'S INSTRUCTIONS FOR ADA COMPLIANCE
P-12	BI-LEVEL ADA COMPLIANT WATER COOLER	BI-LEVEL SELF-CONTAINED WALL-HUNG ELECTRIC REFRIGERATED ADA COMPLIANT 8 GPH WATER COOLER WITH BOTTLE FILLER. ORIFICE HEIGHTS SHALL BE ADA COMPLIANT WITH A CANE APRON.	---	1/2"	1-1/2"	1-1/2"	ELKAY FIXTURE	EZSTL8WSLK	INSTALL PER MANUFACTURER'S INSTRUCTIONS FOR ADA COMPLIANCE
P-13	OTA WATER CLOSET	TWO-PIECE FLOOR MOUNTED, FLOOR OUTLET, VITREOUS CHINA, FLUSH TANK WATER CLOSET WITH ELONGATED BOWL (DESIGNED FOR A 1.28 GALLON FLUSH CYCLE) AND MANUAL TRIP LEVER. WATER CLOSET SHALL BE FITTED WITH ELONGATED TOILET SEAT AND COVER.	---	---	---	---	KOHLER FIXTURE KOHLER SEAT	K-31621 K-7671-0	NOT PIPED
P-14	BATH TUB & TRIM	60" x 32" ACRYLIC BATH TUB WITH RIGHT DRAIN. PROVIDE SHOWER AND BATH TRIM WITH SINGLE LEVER VALVE.	---	---	---	---	AMERICAN STANDARD FIXTURE MOEN SHOWER TRIM	2946.102 T2903EP	NOT PIPED
P-15	EMERGENCY SHOWER AND EYEWASH STATION	CEILING MOUNTED SAFETY SHOWER WITH RECESSED WALL EYEWASH AND CONTAINER BOWL, 12O VOLT COMBINATION STROBE LIGHT AND ALARM HORN WITH FLOW SWITCH. ANSI/IESA Z358.1 TEMPERING VALVE RATED FOR 3-25 GPM AND ENCLOSED IN LOCK BOX.	1-1/4"	1-1/4"	2"	1-1/2"	Guardian Equipment	GBF2150	---
WMB	WASHING MACHINE BOX	1/4" TURN BRASS HAMMER BALL VALVE - COPPER SWEAT - STANDARD PACK	1/2"	1/2"	2"	1-1/2"	OATEY	38540	---

NOTES:
1. PROVIDE ANGLE STOPS VALVES, SUPPLY TUBING, GRID STRAINERS, ADA OFFSET DRAINS, REMOVABLE P-TRAPS, ESCUTCHEON PLATES, DECK PLATES, CARRIERS, ADA LAVATORY SHIELD COVERS, ETC. FOR A COMPLETE INSTALLATION.
2. PROVIDE ALL REQUIRED ACCESSORIES AND OPTIONS FOR COMPLETE DRAIN INSTALLATIONS. REFER TO ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION ON FLOOR AND ROOF CONSTRUCTION.
3. COORDINATE HEIGHT OF FLUSH VALVES AND SUPPLIES THROUGH WALL WITH ADA GRAB BARS PRIOR TO ORDERING. LOCATE FLUSH HANDLE OR MECHANICAL OVERRIDE ON ADA APPROACH SIDE.
4. COORDINATE ROUGH-IN LOCATIONS WITH BASEBOARD SO THAT THE ROUGH-IN AND ESCUTCHEON IS ABOVE THE BASEBOARD WITHOUT CONFLICT.
5. SEE ARCHITECTURAL PLANS FOR HEIGHT AND EXACT LOCATION OF FIXTURES.

HOT WATER RECIRCULATING PUMP

MARK	FLOW	HEAD FT WG	MOTOR SIZE	TYPE	BASIS OF DESIGN	MODEL
RCP	5 GPM	5	0.083 hp	Wet Rotor Circulator Pump	XYLEM	ECOCIRC XL 20-35

NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR VOLTAGE REQUIREMENTS.
2. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
3. PROVIDE WITH ADJUSTABLE AQUASTAT AND TIMER. REFER TO DETAIL FOR ADDITIONAL INFORMATION.

EXPANSION TANK SCHEDULE

MARK	TANK & ACCEPTANCE VOLUME (GALLONS)	TANK DIAMETER (INCHES)	SYSTEM CONNECTION (INCHES)	TYPE	BASIS OF DESIGN	MODEL
ET-1	15.0 gal	16	1	ASME BLADDER	WATTS	DETA 30

NOTES:
1. TANK SHALL BE ASME RATED.

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mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

DWG CONSULTING ENGINEERS EMPLOYEE OWNED
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843-849-1141
DWG #: 25050-00

SEALS

DWG, INC. CONSULTING ENGINEERS No.C03649 CERTIFICATE OF AUTHORIZATION SOUTH CAROLINA

SOUTH CAROLINA No. 32417 WILLIAM DEAN BILLARD 03/02/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 03/02/2026
PHASE: CD SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
C	03/02/2026	CONST DOCS

CHECKED BY: WDB
DRAWN BY: GSP

SHEET TITLE:

PLUMBING NOTES, LEGENDS, & DETAILS

SHEET NO. P001

PROJ. NO. H59-6374-CB

3/2/2026 2:32:33 PM Author: Dan.Ellard@mcfarlandjohnston.com P:\Active Projects\Technical Colleges\2025_01 HGTC Early CTR Health Science Renovation MEP_2024.rvt
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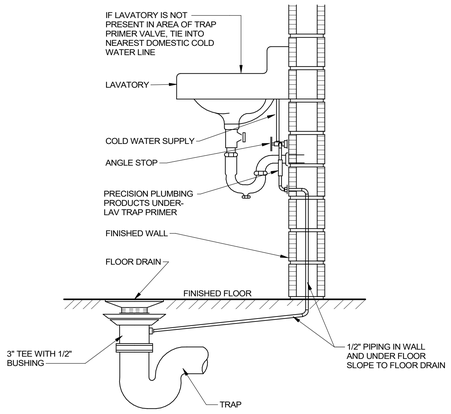
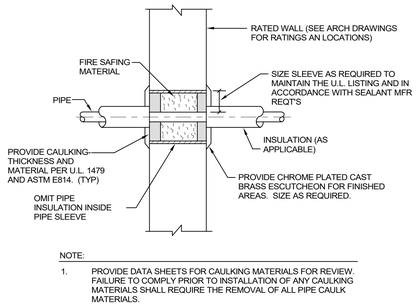
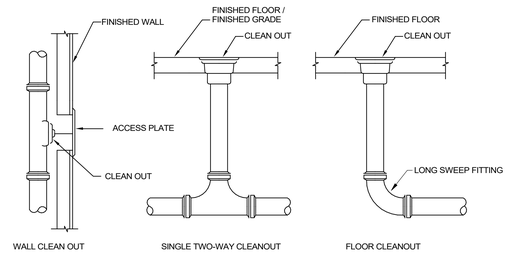


1 P002 TRAP PRIMER VALVE DETAIL
NOT TO SCALE

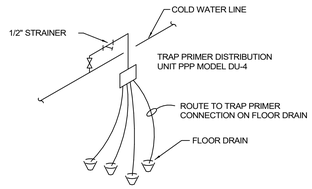


NOTE:
1. PROVIDE DATA SHEETS FOR CAULKING MATERIALS FOR REVIEW. FAILURE TO COMPLY PRIOR TO INSTALLATION OF ANY CAULKING MATERIALS SHALL REQUIRE THE REMOVAL OF ALL PIPE CAULK MATERIALS.

2 P002 PIPE THRU RATED ASSEMBLY
NOT TO SCALE

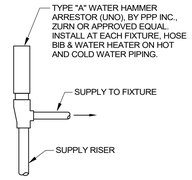


3 P002 CLEANOUT DETAIL
NOT TO SCALE

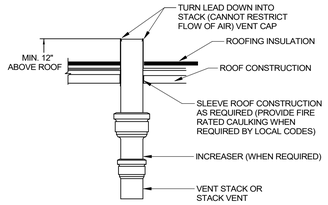


NOTE:
INSTALL TRAP PRIMER DISTRIBUTION UNIT IN CHASE WALL PROVIDE POSITIVE SLOPE TO TRAP CONNECTION.

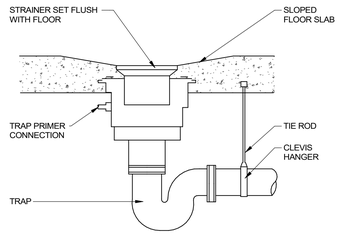
4 P002 TRAP PRIMER DETAIL
NOT TO SCALE



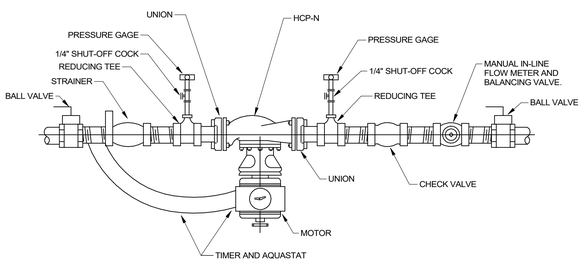
5 P002 WATER HAMMER ARRESTOR DETAIL
NOT TO SCALE



6 P002 VTR DETAIL
NOT TO SCALE

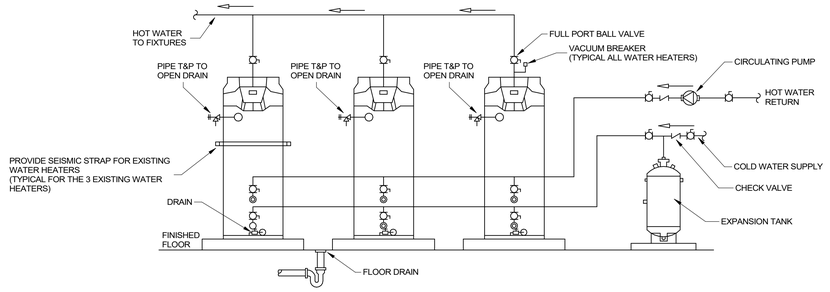


7 P002 FLOOR DRAIN INSTALLATION DETAIL
NOT TO SCALE



NOTE:
1. FACE OF PRESSURE GAUGES TO BE TURNED SO AS TO BE ABLE TO BE READ STANDING AT FLOOR LEVEL.
2. COORDINATE TIMER SETTINGS WITH ON-SITE MAINTENANCE STAFF.
3. SET AQUASTAT CONTROL FOR 20°F DROP IN RETURN LINE.

8 P002 IN-LINE CIRCULATING PUMP DETAIL
NOT TO SCALE



NOTES:
1. THE THREE WATER HEATERS ARE EXISTING. CONNECT NEW PIPING AND EQUIPMENT AS SHOWN.

9 P002 WATER HEATER INSTALLATION DETAIL
NOT TO SCALE

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SEALS

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION DWG, INC. CONSULTING ENGINEERS No.C03649

SOUTH CAROLINA WILLIAM DEAN BILLARD No.30241 03/02/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100
Agency Review ID: H59-6374-CB
2451 US-501, Conway, SC 29526

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SHEET TITLE:
PLUMBING DETAILS

SHEET NO. P002
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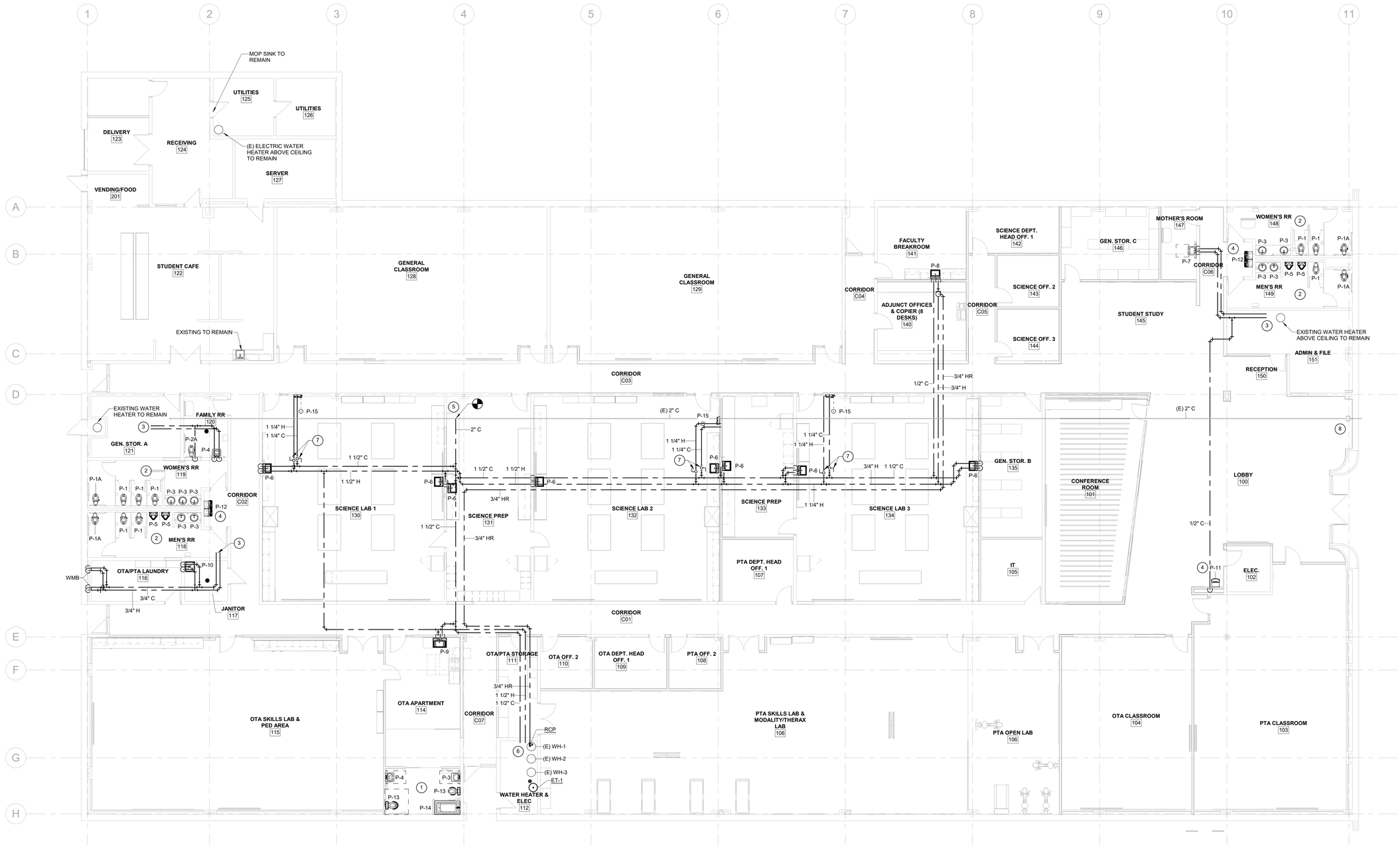
RENOVATION KEYNOTES

1. INSTALL MOCK BATHROOM SINKS, WATER CLOSET, AND BATH TUB IN OTA APARTMENT SPACE. FIXTURES SHALL NOT RECEIVE ANY HOT OR COLD WATER PIPING.
2. REPLACE ALL GROUP BATHROOM FIXTURES. CONNECT TO EXISTING HOT AND COLD WATER PIPING.
3. CONNECT TO EXISTING HOT AND COLD WATER LINE.
4. INSTALL NEW WALL-MOUNTED WATER FOUNTAIN. CONNECT TO NEAREST EXISTING HOT AND COLD WATER PIPING.
5. CONNECT NEW 2" COLD WATER LINE TO EXISTING MAIN.
6. PROVIDE NEW HEADER SYSTEM FOR EQUAL FLOW TO CONNECT DOMESTIC HOT AND COLD WATER LINES TO EXISTING WATER HEATERS. INSTALL HOT WATER RECIRCULATION PUMP AND EXPANSION TANK. REFER TO DETAIL.
7. SHUTOFF VALVES LOCKABLE IN THE OPEN POSITION.
8. EXISTING 2" WATER SERVICE, SHUTOFF VALVE, AND MAIN HEADER PIPE TO REMAIN.

GENERAL NOTES

1. EXISTING PIPING AND PLUMBING SYSTEMS INFORMATION IS BASED UPON ARCHIVE FACILITY DRAWINGS AVAILABLE FOR THIS PROJECT AND LIMITED VISUAL INSPECTIONS BY ENGINEER VIA FACILITY SITE VISITS. CONTACT EOR FOR ANY DEVIATION IN EXISTING CONDITIONS FROM THESE CONTRACT DRAWINGS.
2. PROVIDE TRAP PRIMERS AND TUBING TO EVERY FLOOR DRAIN. TRAP PRIMERS AND TUBING NOT SHOWN FOR CLARITY.



1 P101 LEVEL 01 - DOMESTIC WATER PLAN
SCALE: 1/8" = 1'-0"

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LEVEL 1 DOMESTIC WATER PLAN

SHEET NO. P101
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RENOVATION KEYNOTES

1. INSTALL MOCK BATHROOM SINKS, WATER CLOSET, AND BATH TUB IN OTA APARTMENT SPACE. FIXTURES SHALL NOT RECEIVE ANY SANITARY OR VENT PIPING.
2. REPLACE ALL GROUP BATHROOM FIXTURES. CONNECT TO EXISTING WASTE AND VENT PIPING.
3. CONNECT TO EXISTING SANITARY WASTE LINE. COORDINATE FLOOR SAW CUTTING AND REPAIRS WITH GC.
4. PROVIDE WALL-MOUNTED WATER COOLER. CONNECT TO NEAREST EXISTING WASTE AND VENT PIPING.
5. CONNECT FIXTURE TO NEAREST EXISTING VENT PIPING.
6. PROVIDE VENT THROUGH ROOF.

GENERAL NOTES

1. EXISTING PIPING AND PLUMBING SYSTEMS INFORMATION IS BASED UPON ARCHIVE FACILITY DRAWINGS AVAILABLE FOR THIS PROJECT AND LIMITED VISUAL INSPECTIONS BY ENGINEER VIA FACILITY SITE VISITS. CONTACT EOR FOR ANY DEVIATION IN EXISTING CONDITIONS FROM THESE CONTRACT DRAWINGS.
2. PROVIDE TRAP PRIMERS AND TUBING TO EVERY FLOOR DRAIN. TRAP PRIMERS AND TUBING NOT SHOWN FOR CLARITY.

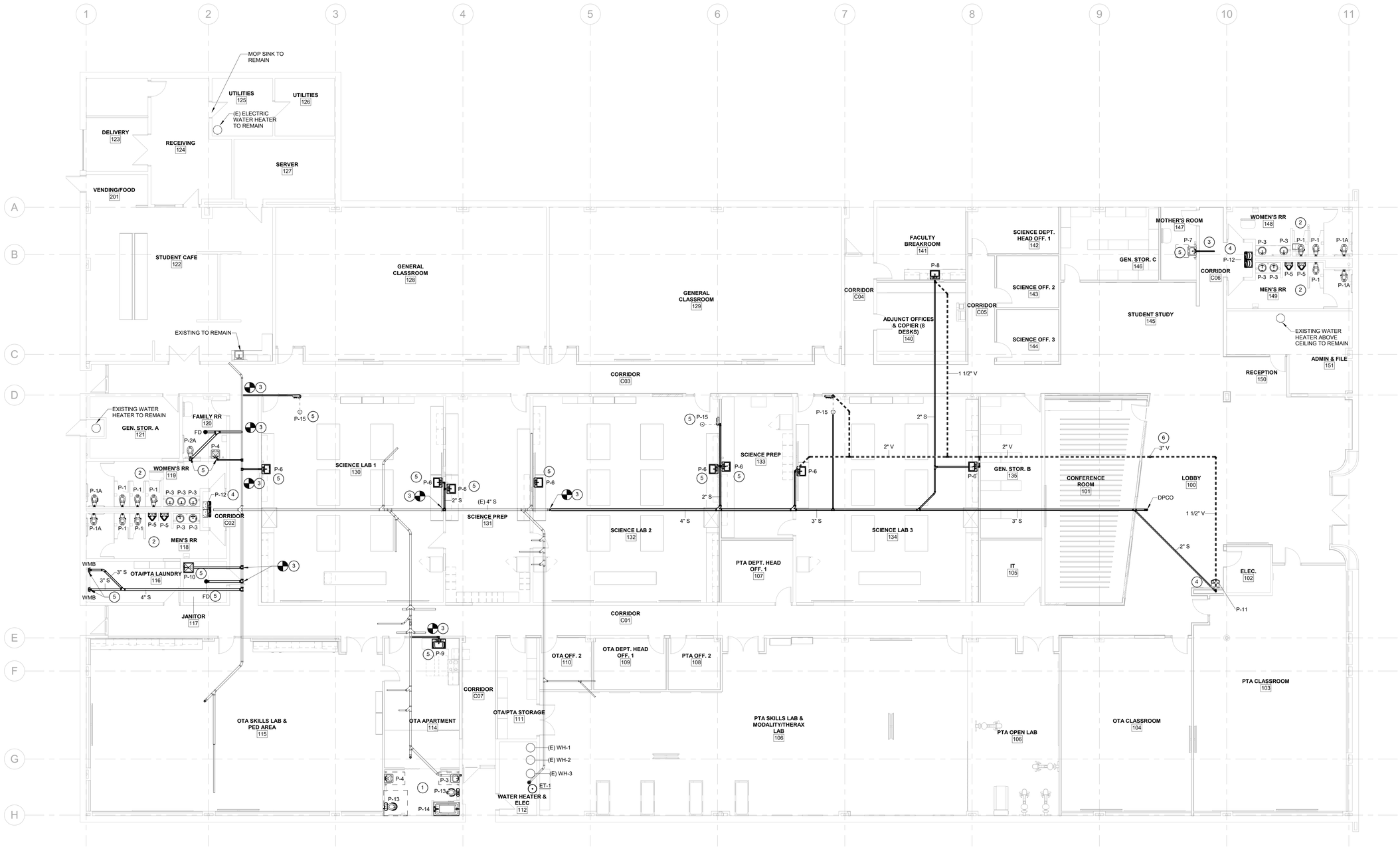
SPECIAL NOTE: PRE-DEMOLITION IN-PIPE CAMERA INSPECTION AND CLEANING BY JETTING.

PROVIDE AN IN-PIPE CAMERA INSPECTION OF ENTIRE UNDERSLAB SANITARY DRAIN SYSTEM. CREATE AS-BUILT REDLINE DRAWINGS OF ENTIRE BUILDING UNDERSLAB SANITARY DRAINAGE SYSTEM INCLUDING THE FOLLOWING:

1. SKETCH PLANS OF THE HORIZONTAL PIPING LOCATIONS INCLUDING PIPE SIZES AND CONNECTION POINTS FOR THIS PROJECT. INSPECT TO A MINIMUM OF 75 FEET AWAY FROM BUILDING OR TO THE CONNECTION WITH THE SEWER MAIN OR MANHOLE.
2. INVERT ELEVATIONS RELATIVE TO FINISHED FLOOR AT STRATEGIC LOCATIONS AND CONNECTION POINTS FOR THIS PROJECT.
3. REPORT OF GENERAL CONDITIONS AND SUITABILITY FOR USE OF THE SANITARY PIPING SYSTEM AT THIS TIME.
4. LOCATE AND DESCRIBE ANY PROBLEM AREAS.

TURN OVER THE SKETCH PLANS AND REPORTS INCLUDING PHOTOS OF PROBLEM AREAS TO THE ENGINEER AND OWNER FOR REVIEW PRIOR TO DEMOLITION ACTIVITIES.

PROVIDE A CLEANING OF THE EXISTING UNDERSLAB SANITARY DRAIN SYSTEM BY JETTING.



1 P201 LEVEL 01 - SANITARY & VENT PLAN
SCALE: 1/8" = 1'-0"

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SOUTH CAROLINA WILLIAM DEAN BILLARD No.30241 04/22/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

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LEVEL 1 SANITARY & VENT PLAN

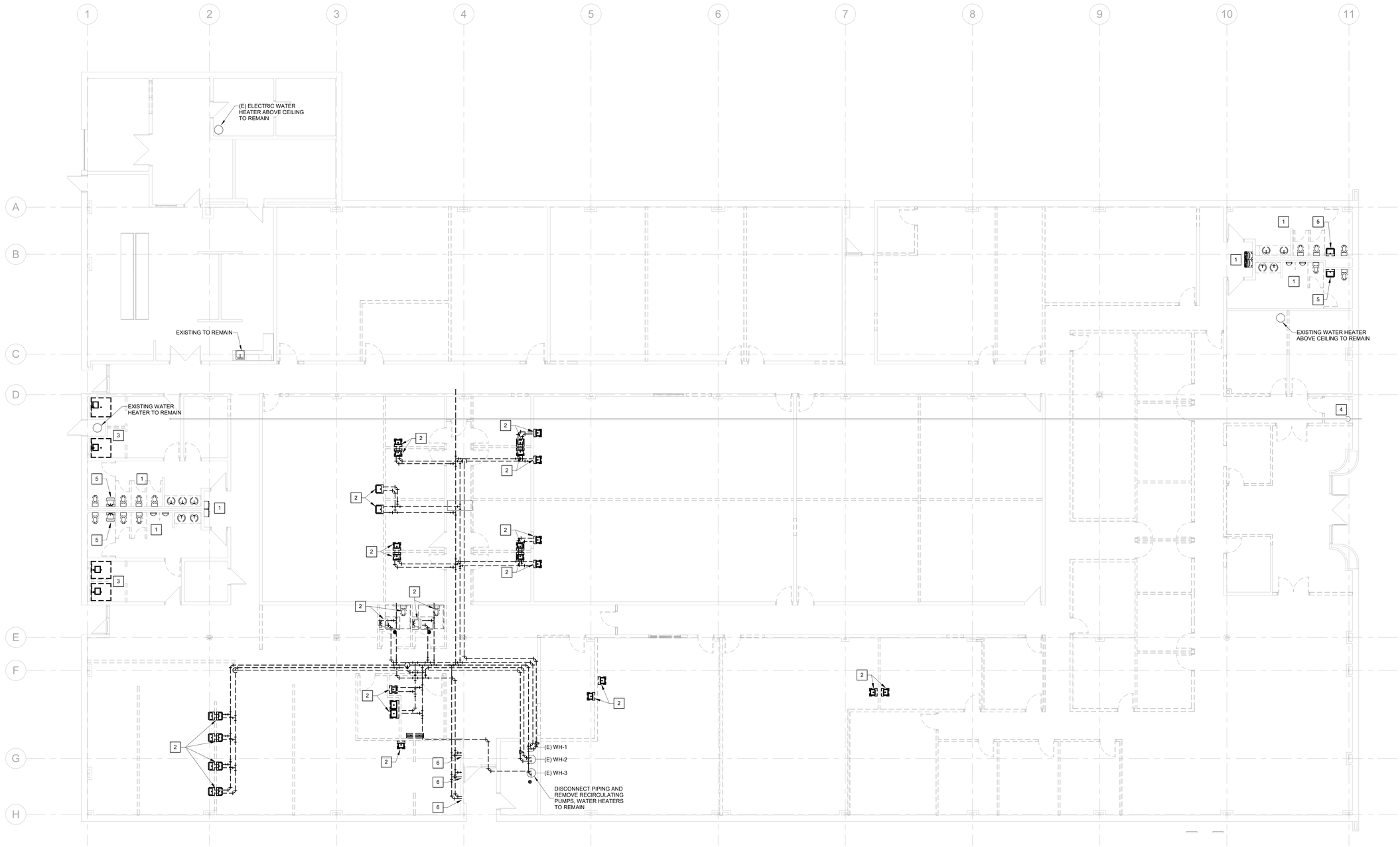
SHEET NO. P201
PROJ. NO. H59-6374-CB

DEMOLITION KEYNOTES

1. DEMOLISH ALL GROUP BATHROOM FIXTURES. PREPARE EXISTING HOT AND COLD WATER PLUMBING FOR CONNECTION TO NEW FIXTURES.
2. DEMOLISH EXISTING FIXTURE AND ASSOCIATED HOT AND COLD WATER PIPING BACK TO MAIN.
3. DEMOLISH EXISTING SHOWERS AND ASSOCIATED HOT AND COLD WATER PIPING BACK TO MAIN.
4. EXISTING 2" WATER SERVICE, SHUTOFF VALVE, AND MAIN HEADER PIPE TO REMAIN.
5. DEMOLISH SINK AND CAP PIPES INSIDE WALL.
6. DEMOLISH SINK ROUGH-INS TO WITHIN WALL/FLOOR SUCH THAT WALL/FLOOR CAN BE REFINISHED. CAP PIPING WITHIN WALL/FLOOR.

GENERAL NOTES

1. EXISTING PIPING AND PLUMBING SYSTEMS INFORMATION IS BASED UPON ARCHIVE FACILITY DRAWINGS AVAILABLE FOR THIS PROJECT AND LIMITED VISUAL INSPECTIONS BY ENGINEER VIA FACILITY SITE VISITS. CONTACT EOR FOR ANY DEVIATION IN EXISTING CONDITIONS FROM THESE CONTRACT DRAWINGS.



1 PD101 LEVEL 01 - DOMESTIC WATER DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

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SOUTH CAROLINA WILLIAM DEAN BILLARD No.30241 04/22/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100
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2451 US-501 Conway, SC 29526

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LEVEL 1 DOMESTIC WATER DEMOLITION PLAN

SHEET NO. PD101
PROJ. NO. H59-6374-CB

DEMOLITION KEYNOTES

1. DEMOLISH ALL GROUP BATHROOM FIXTURES. PREPARE EXISTING PLUMBING SANITARY AND VENTING FOR CONNECTION TO NEW FIXTURES.
2. DEMOLISH FIXTURE AND ASSOCIATED WASTE AND VENT PIPING. CAP WASTE BELOW FINISHED FLOOR. CAP VENT BACK AT MAIN.
3. DEMOLISH EXISTING SHOWERS AND ASSOCIATED WASTE AND VENT PIPING. CAP WASTE BELOW FINISHED FLOOR. CAP VENT BACK AT MAIN.
4. DEMOLISH SINK ROUGH-INS TO WITHIN WALL/FLOOR SUCH THAT WALL/FLOOR CAN BE REFINISHED. CAP PIPING WITHIN WALL/FLOOR.
5. DEMOLISH TRENCH DRAIN. CAP WASTE BELOW FINISHED FLOOR. CAP VENT BACK TO MAIN.
6. DEMOLISH SINK AND CAP PIPES INSIDE WALL.

GENERAL NOTES

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4. LOCATE AND DESCRIBE ANY PROBLEM AREAS.

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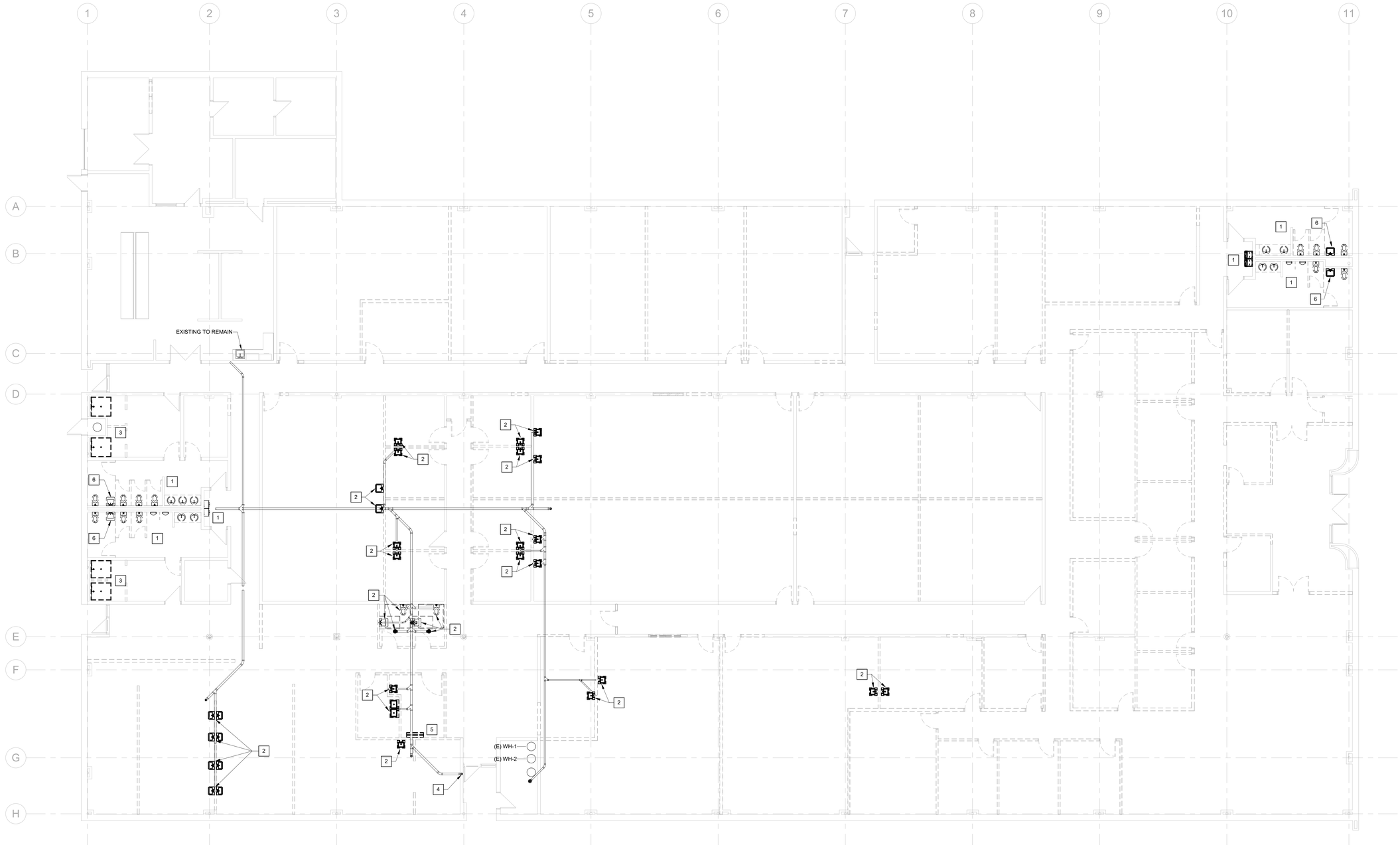

1 PD201 LEVEL 01 - SANITARY & VENT DEMOLITION PLAN
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SEALS

DWG, INC. CONSULTING ENGINEERS No.C03649 — SOUTH CAROLINA — CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA — WILLIAM DEAN BILLARD — No.30241 — 04/22/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

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LEVEL 1 SANITARY & VENT DEMOLITION PLAN

SHEET NO. PD201

PROJ. NO. H59-6374-CB

MECHANICAL SYSTEMS SEISMIC AND WIND REQUIREMENTS

PER IBC-2021/ASCE 7-16

A. PER THE 2021 INTERNATIONAL BUILDING CODE, MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND COMPONENTS, INCLUDING THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH CHAPTER 13 OF ASCE 7-16.

B. EXTERIOR EQUIPMENT (INCLUDING ROOF CURBS, RAILS, SUPPORTS) EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH CHAPTER 26 TO 29 OF ASCE 7-16.

C. WHERE DESIGN FOR SEISMIC AND WIND LOADS IS REQUIRED, THE MORE DEMANDING FORCE MUST BE USED.

D. REFERENCE THE STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY, WIND SPEEDS, ETC.

E. USE THE TABLE BELOW TO DETERMINE SEISMIC RESTRAINT REQUIREMENTS FOR EACH COMPONENT.

F. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL REGISTERED IN THE STATE THE JOB IS LOCATED. SUBMITTALS MUST INCLUDE STAMPED AND SIGNED DRAWINGS AND CALCULATIONS.

G. WHERE SEISMIC RESTRAINT IS REQUIRED, HOUSEKEEPING PADS NEEDED FOR THE INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT MUST BE DESIGNED BY THE SEISMIC ENGINEER. DO NOT POUR ANY HOUSEKEEPING PADS PRIOR TO THE RECEIPT OF THE APPROVED SEISMIC SUBMITTAL.

H. SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAYS AND BUS DUCT MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.

MECHANICAL COMPONENT IMPORTANCE FACTOR (Ip) DESIGNATION	
Ip = 1.0	Ip = 1.5
• **ALL HVAC COMPONENTS EXCEPT AS NOTED IN Ip=1.5**	• **NONE.**

SEISMIC DESIGN CATEGORIES C

		COMPONENT IMPORTANCE FACTOR (Ip)			
		1.0		1.5	
COMPONENT IDENTIFICATION		SEISMIC RESTRAINT REQUIREMENT	NOTES	SEISMIC RESTRAINT REQUIREMENT	NOTES
ROOF MOUNTED		NOT REQUIRED	-	RESTRAIN ALL	-
FLOOR MOUNTED		NOT REQUIRED	-	RESTRAIN ALL	-
WALL MOUNTED		NOT REQUIRED	-	RESTRAIN ALL	-
COMPONENT SUPPORTS		NOT REQUIRED	-	RESTRAIN ALL	-
SUSPENDED EQUIPMENT	INLINE W/ DUCT	NOT REQUIRED	-	RESTRAIN IF >75 LBS PROVIDE FLEX. CONN.	3
	NOT INLINE W/ DUCT/PIPE	NOT REQUIRED	-	RESTRAIN ALL	1
SUSPENDED DUCTILE PIPING (STEEL, ALUMINUM, COPPER, ETC.)		NOT REQUIRED	-	>2"	4
SUSPENDED NON-DUCTILE PIPING (CAST IRON, PLASTIC, CERAMIC)		NOT REQUIRED	-	RESTRAIN ALL	4
SUSPENDED PIPE ON TRAPEZE		NOT REQUIRED	-	RESTRAIN IF ANY PIPE ON TRAPEZE > 2" RESTRAIN IF TOTAL WEIGHT OF PIPES ON TRAPEZE > 10 LBS/FT	4
DUCTWORK		NOT REQUIRED	-	RESTRAIN 6 SQ.FT. AND LARGER AND ≥ 17 LBS/FT	4,5
MULTIPLE DUCTS ON TRAPEZE		NOT REQUIRED	-	RESTRAIN IF TOTAL WEIGHT OF DUCTS ON TRAPEZE > 10 LBS/FT	4
COMPONENT CERTIFICATION		NOT REQUIRED	-	REQUIRED	6

NOTES:

1. EQUIPMENT 20 LBS. OR LESS IS EXEMPT IF THE COMPONENT IS POSITIVELY ATTACHED TO THE STRUCTURE AND FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
2. RESTRAINTS ARE NOT REQUIRED IF THE COMPONENT WEIGHS 400 LBS. OR LESS, IS MOUNTED WITH THE CENTER OF MASS LOCATED AT 4 FT. OR LESS ABOVE A FLOOR, IS POSITIVELY ATTACHED TO THE STRUCTURE AND HAS FLEXIBLE CONNECTIONS BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.
3. FLEXIBLE CONNECTIONS REQUIRED FOR PIPE CONNECTIONS ONLY.
4. RESTRAINT IS NOT REQUIRED IF THE PIPING / DUCTWORK IS SUPPORTED BY HANGERS AND EACH HANGER IN THE PIPING RUN IS 12 IN. OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE SUPPORTING STRUCTURE. WHERE PIPES ARE SUPPORTED ON A TRAPEZE, THE TRAPEZE SHALL BE SUPPORTED BY HANGERS HAVING A LENGTH OF 12 IN. OR LESS. WHERE ROD HANGERS ARE USED, THEY SHALL BE EQUIPPED WITH SWIVELS, EYE NUTS OR OTHER DEVICES TO PREVENT BENDING IN THE ROD.
5. ALL DUCTWORK , REGARDLESS OF SIZE, DESIGNED TO CARRY TOXIC, HIGHLY TOXIC, OR EXPLOSIVE GASES OR USED FOR SMOKE CONTROL MUST BE RESTRAINED.
6. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY ENGINEER OF RECORD.

GENERAL MECHANICAL NOTES

1. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, DUCTWORK, PIPING, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE MECHANICAL INSTALLATION W/ THE STRUCTURE AND OTHER TRADES AND SHALL PROVIDE ADDITIONAL OFFSETS AND FITTINGS AS NECESSARY.
2. THE HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS SHALL COMPLY WITH THE THE CODES LISTED ON THIS SHEET AS WELL AS ALL LOCAL CODE OFFICIAL REQUIREMENTS. IN THE EVENT OF A CONFLICT BETWEEN CODES, THE MOST STRINGENT SHALL ALWAYS GOVERN.
3. DUCT DIMENSIONS ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
4. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CLEARANCES PRIOR TO FABRICATION OR INSTALLATION OF EQUIPMENT, DUCTWORK, AND PIPING SYSTEMS. WHERE CONDITIONS REQUIRE A CHANGE IN DUCT OR PIPE ROUTING, NOTIFY THE ARCHITECT FOR AN ACCEPTABLE ALTERNATIVE METHOD. AVOID ROUTING DUCTWORK DIRECTLY OVER LIGHT FIXTURES, DIFFUSERS, AND OTHER CEILING MTD. DEVICES. LOCATE ALL MECHANICAL EQUIPMENT SO THAT FILTERS AND COMPONENTS REQUIRING ACCESS (SERVICE AND MAINTENANCE) ARE FULLY ACCESSIBLE.
5. PROVIDE CURVED RADIUS ELBOW AT FIRST SUPPLY & RETURN FITTING FOR ALL HVAC UNITS. PROVIDE TURNING VANES IN ALL 90 DEGREE ELBOWS IN ALL RECTANGULAR SUPPLY/RETURN/EXHAUST DUCT SYSTEMS. ANY OFFSETS REQUIRED IN DUCT SYSTEMS SHALL BE INSTALLED PER SMACNA 2020 4TH EDITION MANUAL . SHARP ANGLED TRANSITIONS OR OFFSETS 'WILL NOT BE ALLOWED'. PROVIDE DUCT ACCESS DOORS AS REQUIRED.
6. INSTALL ALL DUCT MOUNTED DEVICES (DAMPERS, ACCESS DOORS, ETC.) AND PIPING SPECIALTIES IN EASILY ACCESSIBLE LOCATIONS. ADVISE THE ARCHITECT IN ADVANCE OF INSTALLATION IF ACCESS WILL BE HINDERED SO AN ALTERNATE LOCATION CAN BE SELECTED.
7. ALL DUCT TAKE-OFFS SHALL BE INSTALLED AS SHOWN BY DETAILS ON THE PLANS WITH A MANUAL BALANCING DAMPER AT EVERY TAKE-OFF. WHERE DUCT RUN-OUT SIZE IS NOT SHOWN PROVIDE DUCT SAME SIZE AS GRILLE NECK SIZE. PRE-INSULATED FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTION TO SUPPLY GRILLES (MAX. LENGTH 5').
8. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH PRESCRIBED CLEARANCES FOR SERVICE AND MAINTENANCE. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IF RECOMMENDED CLEARANCES ARE NOT POSSIBLE BEFORE INSTALLING EQUIPMENT.
9. ALL ROTATING MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH VIBRATION ISOLATION. PROVIDE FLEXIBLE NEOPRENE DUCT CONNECTORS BETWEEN DUCTWORK AND ISOLATED MECHANICAL EQUIPMENT.
10. SEISMIC PROTECTION OF EQUIPMENT, DUCTWORK, PIPING AND UTILITIES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 16 OF THE INTERNATIONAL BUILDING CODE, 2021 EDITION. ALL SEISMIC RESTRAINT AND BRACING SHALL BE SUBSTANTIATED BY MANUFACTURER'S SUBMITTALS PER THE SPECIFICATIONS. FOR ADDITIONAL INFORMATION, SEE 'MECHANICAL SYSTEMS SEISMIC AND WIND REQUIREMENTS' ON THIS SHEET. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF SEISMIC BRACING DEVICES WITH THE OWNER'S SEISMIC SPECIAL INSPECTOR. PROVIDE A MINIMUM OF SEVEN DAYS ADVANCE NOTICE OF INSTALLATION.
11. BALANCE ALL AIR DISTRIBUTION DEVICES, EXHAUST FANS, AND OUTSIDE AIR QUANTITIES AS SCHEDULED OR SHOWN ON THE DRAWINGS. PROVIDE MARKERS AT ALL DAMPER LOCATIONS SHOWING FULL OPEN/CLOSED POSITIONS AND DAMPER SETTING FOR REQUIRED AIRFLOW. PROVIDE FINAL TEST AND BALANCE REPORT ALONG W/ SCHEMATIC DRAWINGS SHOWING DIFFUSER LOCATION W/ DESIGN AND ACTUAL CFM. THE DIFFUSER TAGS ON THE DRAWINGS SHALL CORRESPOND TO THE DIFFUSER TAGS ON THE REPORT. THIS REPORT SHALL BE SUBMITTED BEFORE THE FINAL INSPECTION IS PERFORMED. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
12. ALL CONTROL WIRING, CONDUIT AND CONTROLS ACCESSORIES NECESSARY TO IMPLEMENT THE OUTLINED SEQUENCES OF OPERATION SHALL BE PROVIDED BY THE CONTROLS CONTRACTOR.
13. WIND LOAD PROTECTION OF ROOF MOUNTED EQUIPMENT AND DUCTWORK SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 16 OF THE INTERNATIONAL BUILDING CODE. ALL WIND LOAD RESTRAINT AND BRACING SHALL BE SUBSTANTIATED BY MANUFACTURER'S SUBMITTALS PER THE SPECIFICATIONS.
14. ALL EXPOSED PIPING AND DUCTWORK SHALL BE PAINTED. COORDINATE W/ ARCHITECTURAL PLANS/SPECIFICATIONS FOR EXPOSED LOCATIONS AND PAINTING REQUIREMENTS.
15. SEE ARCHITECTURAL DOCUMENTS FOR ROOF PENETRATION AND FLASHING REQUIREMENTS.
16. WHERE "APPROXIMATELY" IS USED TO DEFINE INSTALLATION LOCATIONS, CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO VERIFY THERE ARE NO CONFLICTS PRIOR TO INSTALLATION AT DIMENSION LISTED.

MECHANICAL ABBREVIATIONS

ABBR	DESCRIPTION
(E)	EXISTING
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
BHP	BRAKE HORSE POWER
BOD	BASIS OF DESIGN
CFM	CUBIC FEET PER MINUTE
CU	CONDENSING UNIT
D	CONDENSATE DRAIN LINE
DB	DECIBELS
DIA	DIAMETER
DRN	DRAIN
EA	EXHAUST AIR
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EH	ELECTRIC HEATER
ESP	EXTERNAL STATIC PRESSURE
FPM	FEET PER MINUTE
FT	FEET
HP	HORSEPOWER
IN	INCHES
LAT	LEAVING AIR TEMPERATURE
MBH	THOUSANDS OF BTU'S PER HOUR
MC	MECHANICAL CONTRACTOR
MD	MANUAL DAMPER
NC	NOISE CRITERIA
NO	NORMALLY OPEN
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
RA	RETURN AIR
REFR	REFRIGERANT
RH	RELATIVE HUMIDITY
RPM	ROTATIONS PER MINUTE
SA	SUPPLY AIR
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
VFD	VARIABLE FREQUENCY DRIVE
VNT	VENT
W/	WITH
°F	DEGREES FAHRENHEIT

HVAC SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
X / Y	AIR TERMINAL TAG, X=TYPE MARK, Y=CFM	X"x Y"	DUCTWORK (X" = WIDTH, Y" = HEIGHT)
	AIR TERMINAL DIFFUSER (CEILING MOUNTED)		PREINSULATED FLEXIBLE DUCT
	AIR TERMINAL RETURN GRILLE (CEILING MOUNTED)		TURNING VANES
	AIR TERMINAL EXHAUST GRILLE (CEILING MOUNTED)		CONDENSING UNIT
	SIDEWALL REGISTER / GRILLE		AIR HANDLER UNIT
T	THERMOSTAT		CEILING MOUNTED EXHAUST FAN
	MANUAL DAMPER		CONNECTION TO EXISTING SYSTEM
	COUNTERBALANCED BACKDRAFT DAMPER		

HVAC LINE TYPE LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING COMPONENT		COMPONENT TO BE DEMOLISHED
	NEW COMPONENT		

HVAC SYSTEM TYPE LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY AIR		
	RETURN AIR		
	EXHAUST AIR		

MECHANICAL CODES & STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

CODE	DESCRIPTION
SMACNA (2020)	HVAC DUCT CONSTRUCTION STANDARDS MANUAL, FOURTH EDITION
IBC (2021)	INTERNATIONAL BUILDING CODE
IECC (2009)	INTERNATIONAL ENERGY CONSERVATION CODE
IMC (2021)	INTERNATIONAL MECHANICAL CODE
NFPA 90A (2021)	STANDARD FOR THE INSTALLATION AIR-CONDITIONING & VENTILATING SYSTEMS

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SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION — DWG, INC. CONSULTING ENGINEERS No.C03649

SOUTH CAROLINA — WILLIAM DEAN BILLARD — No.30241 — 03/02/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501 Conway, SC 29526

ISSUE DATE: 03/02/2026
PHASE: CD SET

SHEET ISSUE:

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SHEET TITLE:

MECHANICAL NOTES & LEGENDS

SHEET NO. M001

PROJ. NO. H59-6374-CB

LAB EXHAUST FAN SCHEDULE

TAG	SYSTEM TYPE	MAX CFM	MIN CFM	ESP	HP	MIN NOZZLE DISCHARGE VELOCITY (FPM)	NOISE CRITERIA (dBA)	BASIS OF DESIGN	MODEL
LEF-1.1	CONSTANT VOLUME WITH VFD	870	435	0.70 in-wg	0.5	3000 FPM	69	GREENHECK	VEKTOR-H-10
LEF-1.2	CONSTANT VOLUME WITH VFD	870	435	0.70 in-wg	0.5	3000 FPM	69	GREENHECK	VEKTOR-H-10
LEF-1.3	CONSTANT VOLUME WITH VFD	870	435	0.70 in-wg	0.5	3000 FPM	69	GREENHECK	VEKTOR-H-10

NOTES:
1. SEE ELECTRICAL FOR VOLTAGE AND DISCONNECT REQUIREMENTS.
2. FUME HOOD PROVIDED BY OTHERS. REFER TO ARCHITECTURAL DRAWINGS FOR HOOD BOD.
3. COORDINATE REVIEWED AND APPROVED LAB HOOD FLOW AND PRESSURE REQUIREMENT PRIOR TO ORDERING FANS.
4. NOTE, BOD HOOD IS A CONSTANT VOLUME SYSTEM. VFDS ARE TO BE PROVIDED WITH LAB FAN FOR BALANCING OF AIRFLOW.
5. BYPASS PLENUM SHALL NOT BE INCLUDED WITH FANS.
6. FAN SHALL OPERATE UPON SIGNAL FROM CORRESPONDING FUME HOOD SASH.
7. PROVIDE SEISMIC ROOF CURB.
8. PROVIDE DELEGATED DESIGN FOR ATTACHING SEISMIC ROOF CURB THAT INCLUDES WINDLOAD RESISTANCE.

EXHAUST FAN SCHEDULE

TAG	CAPACITY CFM	ESP INCHES WG	FRPM	MOTOR HP	MAXIMUM SOUND RATING DB	TYPE	SYSTEM SERVED	FAN CONTROL	BASIS OF DESIGN	MODEL
EF-1.1	605	0.30	1551	0.1	54	ROOF	SCI LAB 1	TOGGLE SWITCH	GREENHECK	G-090-VG
EF-1.2	605	0.30	1551	0.1	54	ROOF	SCI LAB 2	TOGGLE SWITCH	GREENHECK	G-090-VG
EF-1.3	605	0.30	1551	0.1	54	ROOF	SCI LAB 3	TOGGLE SWITCH	GREENHECK	G-090-VG
EF-2.1	75	0.30	900	0.02	30	CEILING	FAM RR 120	TOGGLE SWITCH	GREENHECK	SP-A90
EF-2.2	75	0.30	900	0.02	30	CEILING	JAN 117	TOGGLE SWITCH	GREENHECK	SP-A90

NOTES:
1. SEE ELECTRICAL FOR VOLTAGE REQUIREMENTS.
2. PROVIDE WITH INTEGRAL DISCONNECT.
3. PROVIDE WITH INTEGRAL BACKDRAFT DAMPER AND SPEED CONTROLLER.
4. PROVIDE SEISMIC ROOF CURB.
5. PROVIDE DELEGATED DESIGN FOR ATTACHING SEISMIC ROOF CURB THAT INCLUDES WINDLOAD RESISTANCE.

DUCTLESS MINI-SPLIT SYSTEM SCHEDULE

TAG		MAXIMUM AIRFLOW CFM	COOLING CAPACITY				MINIMUM EFF @ AHRI COND	BASIS OF DESIGN	INDOOR MODEL	OUTDOOR MODEL
INDOOR	OUTDOOR		TOTAL CAPACITY MBH	SENS CAPACITY MBH	EAT DB °F	EAT WB °F				
MSAH-1	MSCU-1	629	22.4	16.66	80 °F	67 °F	21 SEER	DAIKIN	FTKF24BVJU9	RKF24BVJU9

NOTES:
1. SEE ELECTRICAL DRAWINGS FOR VOLTAGE AND DISCONNECT REQUIREMENTS.
2. PROVIDE UNIT WITH WALL MOUNTED PROGRAMMABLE THERMOSTAT.
3. PROVIDE COSTAL COIL COATING ON OUTDOOR UNIT.
4. PROVIDE CONDENSATE PUMP WITH RESERVOIRS AND SENSORS. BOD: MAXIBLUE BLUE DIAMOND PUMPS, 23 FT.

DEHUMIDIFIER SCHEDULE

TAG	CAPACITY CFM	ESP INCHES WG	CAPACITY @ 80 °F / 60% RH (PPD)	MAXIMUM SOUND RATING DB	BASIS OF DESIGN	MODEL
DH-1	225	0.40	130	50	APRIL AIRE	E130H
DH-2	225	0.40	130	50	APRIL AIRE	E130H
DH-3	225	0.40	130	50	APRIL AIRE	E130H
DH-4	225	0.40	130	50	APRIL AIRE	E130H

NOTES:
1. SEE ELECTRICAL FOR VOLTAGE AND DISCONNECT REQUIREMENTS.
2. PROVIDE HARD-WIRED UNIT.
3. PROVIDE WITH ACCESSORY WALL-MOUNTED CONTROL.

SLOT DIFFUSER SCHEDULE

TAG	MOUNTING TYPE	CFM	INLET SIZE	SLOT SIZE	NUMBER OF SLOTS	TOTAL LENGTH	ACTIVE SLOT / PLENUM LENGTH	THROW (FT)	NC LEVEL	BASIS OF DESIGN	MODEL
Supply Air											
S-1	CEILING	215	8"	1-1/2"	2	4'0"	4'0"	17	17	PRICE	SDS150
S-2	CEILING	150	8"	1-1/2"	1	4'0"	4'0"	17	22	PRICE	SDS150
Return Air											
SR-1	CEILING	850	14"	1"	7	4'0"	4'0"	-	21	PRICE	SDR100

NOTES:
1. FINISH SHALL BE WHITE.
2. CONSTRUCTION SHALL BE ALUMINUM.
3. PROVIDE SLOTS WITH CONCEALED HARDWARE FOR FLUSH SURFACE MOUNTING.
4. PROVIDE WITH REMOTE CABLE OPERATED DAMPERS FOR BALANCING.
5. PROVIDE WITH FACTORY INSULATED UNIVERSAL PLENUM, FIELD VERIFY IF INSTALLATION WILL REQUIRE LOW PROFILE PLENUM.
6. SLOT DIFFUSERS SHALL BE PROVIDED IN ALL AREAS WITH HARD CEILINGS WHERE AIR DEVICES ARE CALLED FOR.

AIR DISTRIBUTION SCHEDULE

TAG	MOUNTING TYPE	NECK SIZE	FACE SIZE	DESCRIPTION	BASIS OF DESIGN	MODEL
Supply Air						
A	CEILING LAY-IN	6"	24" x 24"	PLAQUE FACE SUPPLY DIFFUSER	PRICE	ASPD
B	CEILING LAY-IN	8"	24" x 24"	PLAQUE FACE SUPPLY DIFFUSER	PRICE	ASPD
C	CEILING LAY-IN	10"	24" x 24"	PLAQUE FACE SUPPLY DIFFUSER	PRICE	ASPD
D	CEILING LAY-IN	12"	24" x 24"	PLAQUE FACE SUPPLY DIFFUSER	PRICE	ASPD
SWS-1	SIDEWALL	10" x 6"	10" x 6"	SIDEWALL SUPPLY GRILLE	PRICE	610
Return Air						
R1	CEILING LAY-IN	22" x 22"	24" x 24"	PERFORATED FACE RETURN GRILLE	PRICE	10A
SWR-1	SIDEWALL	6" x 6"	6" x 6"	SIDEWALL RETURN GRILLE	PRICE	610Z
SWR-2	SIDEWALL	10" x 10"	10" x 10"	SIDEWALL RETURN GRILLE	PRICE	610Z
Exhaust Air						
R2	CEILING LAY-IN	22" x 22"	24" x 24"	PERFORATED FACE RETURN GRILLE	PRICE	10A

NOTES:
1. COORDINATE EXACT LOCATION OF AIR DISTRIBUTION DEVICES AND CEILING TYPE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
2. ALL AIR DISTRIBUTION DEVICES SHALL BE ALUMINUM CONSTRUCTION AND SHALL HAVE BAKED ENAMEL WHITE FINISH UNLESS OTHERWISE NOTED.
3. ALL CEILING DIFFUSERS SHALL BE 4-WAY BLOW UNLESS OTHERWISE NOTED ON DRAWINGS.
4. RUNOUT SIZE SHALL MATCH DIFFUSER NECK SIZE.

EXISTING AIR HANDLING UNIT SCHEDULE

TAG	AIR CAPACITY CFM	
	TOTAL	O/A (MIN)
AHU-1	800	160
AHU-2	800	0
AHU-3	1170	0
AHU-4	1850	0
AHU-5	840	0
AHU-6	1575	0
AHU-7	3200	0
AHU-8	3200	640
AHU-9	600	0
AHU-10	1000	225
AHU-11	645	135
AHU-12	800	200
AHU-13	2000	480
AHU-14	1000	225
AHU-15	1500	330
AHU-16	1800	0
AHU-17	1800	0
AHU-18	1220	250
AHU-19	700	140
AHU-20	1275	265
AHU-21	790	160
AHU-22	1280	260
AHU-23	1600	320
AHU-24	2000	400
AHU-25	1200	240
AHU-26	1600	370

NOTES:
1. EXISTING EQUIPMENT SHALL BE TESTED AND BALANCED TO AIRFLOW VALUES SHOWN IN SCHEDULE.
2. THE AIRFLOW VALUES LISTED ARE BASED ON EXISTING DOCUMENTATION AND TEST & BALANCE REPORTS. SOME AIRFLOW VALUES HAVE BEEN MODIFIED FROM WHAT WAS LISTED ON THE EXISTING TAB REPORT AND UNIT SPEED MAY HAVE TO BE ADJUSTED TO ACCOMMODATE MODIFIED AIRFLOW.
3. UNITS WITH "0 CFM" OF O/A LISTED DO NOT HAVE EXISTING OUTSIDE AIR DUCTS.
4. CONTACT EOR IF AIRFLOW VALUES CAN NOT BE ACHIEVED WITHIN 5% OF WHAT IS LISTED.

EXISTING EXHAUST FAN SCHEDULE

TAG	CAPACITY CFM
EF-3	75
EF-118	250
EF-119	200
EF-125	130
EF-126	130
EF-148	150
EF-149	200

NOTES:
1. EXISTING EQUIPMENT SHALL BE TESTED AND BALANCED TO AIRFLOW VALUES SHOWN IN SCHEDULE.
2. THE AIRFLOW VALUES LISTED ARE BASED ON EXISTING DOCUMENTATION AND TEST & BALANCE REPORTS.
3. CONTACT EOR IF AIRFLOW VALUES CAN NOT BE ACHIEVED WITHIN 5% OF WHAT IS LISTED.

EXISTING DUCTLESS MINI-SPLIT SYSTEM SCHEDULE

TAG		MAXIMUM AIRFLOW CFM
INDOOR	OUTDOOR	
MS-127	MS-OU	800
MS-126	MS-OU	800

NOTES:
1. EXISTING EQUIPMENT SHALL BE TESTED AND BALANCED TO AIRFLOW VALUES SHOWN IN SCHEDULE.
2. THE AIRFLOW VALUES LISTED ARE BASED ON EXISTING DOCUMENTATION AND TEST & BALANCE REPORTS.
3. CONTACT EOR IF AIRFLOW VALUES CAN NOT BE ACHIEVED WITHIN 5% OF WHAT IS LISTED.

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SOUTH CAROLINA WILLIAM DEAN BILLARD No.30241 03/02/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501 Conway, SC 29526

ISSUE DATE: 03/02/2026
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MECHANICAL SCHEDULES

SHEET NO. M002

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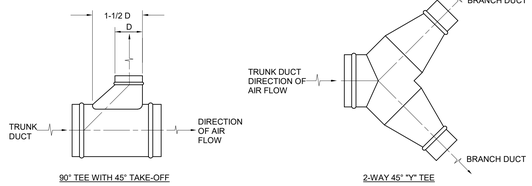


90° TEE WITH 45° TAKE-OFF

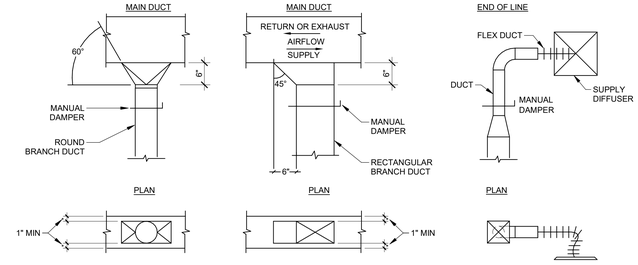
2-WAY 45° "Y" TEE

45° "Y" TEE

90° CONICAL TEE

1 M003 ROUND DUCT BRANCH TAKE OFF DETAIL

NOT TO SCALE

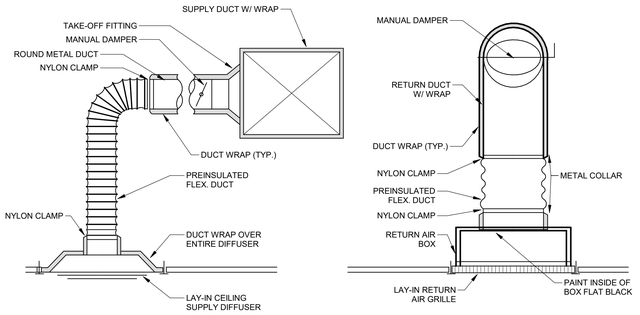


NOTES:

1. CONTRACTOR MAY SUBSTITUTE FLEXMASTER CB-D, STO, OR STOC FOR INDICATED TAKE-OFF.
2. CONTRACTOR MAY SUBSTITUTE CROWN 716 FOR INDICATED TAKE-OFF.
3. FITTINGS 716, STO, AND STOC SHALL BE SCREWED TO THE TRUNK DUCT AND SEALED WITH MASTIC. MASTIC TAPE IS NOT ACCEPTABLE, SEE SPECIFICATIONS.

2 M003 TYPICAL DUCT TAKE OFF INSTALLATION DETAIL

NOT TO SCALE



NOTES:

1. INSTALL NYLON CLAMPS ON INNER FLEX DUCT LINER AND OUTER JACKET. TAPE ENDS OF PREINSULATED FLEX. DUCT AT THE DIFFUSER AND THE BRANCH DUCT CONNECTION.
2. RETURN AIR BOX SHALL BE MINIMUM 12" HIGH. RETURN DUCT MAY TAP INTO THE SIDE OF THE BOX A MINIMUM OF 6" ABOVE GRILLE.
3. PROVIDE YOUNG REGULATOR REMOTE DAMPER CONTROLLER FOR EACH DIFFUSER AND GRILLE LOCATED IN AREAS WITH INACCESSIBLE CEILINGS. LOCATE CONTROLLER IN A CONCEALED, ACCESSIBLE LOCATION.

3 M003 TYPICAL DIFFUSER/GRILLE INSTALLATION DETAIL

NOT TO SCALE

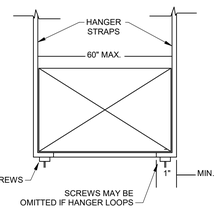


TABLE 4-1 RECTANGULAR DUCT HANGERS MINIMUM SIZE

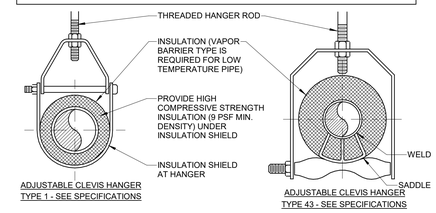
MAXIMUM HALF OF DUCT PERIMETER	PAIR AT 10 FT. SPACING		PAIR AT 8 FT. SPACING		PAIR AT 5 FT. SPACING		PAIR AT 4FT. SPACING	
	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD
P/2= 30"	1" X 22 GA.	10 GA. (.135")	1" X 22 GA.	10 GA. (.135")	1" X 22 GA.	12 GA. (.106")	1" X 22 GA.	12 GA. (.106")
P/2= 72"	1" X 18 GA.	3/8"	1" X 20 GA.	1/4"	1" X 22 GA.	1/4"	1" X 22 GA.	1/4"
P/2= 96"	1" X 16 GA.	3/8"	1" X 18 GA.	3/8"	1" X 20 GA.	3/8"	1" X 22 GA.	1/4"
P/2= 120"	1-1/2"X16GA.	1/2"	1" X 16 GA.	3/8"	1" X 18 GA.	3/8"	1" X 20 GA.	1/4"
P/2= 168"	1-1/2"X16GA.	1/2"	1-1/2"X16GA.	1/2"	1" X 16 GA.	3/8"	1" X 18 GA.	3/8"
P/2= 192"	NOT GIVEN	1/2"	1-1/2"X16GA.	1/2"	1" X 16 GA.	3/8"	1" X 16 GA.	3/8"
P/2=193" UP	SPECIAL ANALYSIS REQUIRED							

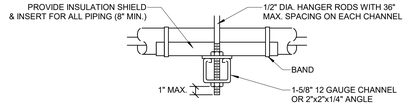
WHEN STRAPS ARE LAP JOINED USE THESE MINIMUM FASTENERS	SINGLE HANGER MAXIMUM ALLOWABLE LOAD	
	STRAP	WIRE OR ROD (DIA.)
1" X 18,20,22 GA. - TWO #10 OR ONE 1/4" BOLT 1" X 16 GA. - TWO 1/4" DIA. 1-1/2" X 16 GA. -TWO 3/8" DIA. PLACE FASTENERS IN SERIES, NOT SIDE BY SIDE.	1" X 22 GA. - 260 LBS. 1" X 20 GA. - 320 LBS. 1" X 18 GA. - 420 LBS. 1" X 16 GA. - 700 LBS. 1-1/2 " X 16 GA. - 1100 LBS.	1/4"-270 LBS. 3/8"-680 LBS. 1/2"-1250 LBS. 5/8"-2000 LBS. 3/4"-3000 LBS.

4 M003 SUPPORT DETAIL

NOT TO SCALE

MAXIMUM PIPE/TUBING SUPPORT SPACING											
NOM. SIZE IN.	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8
PIPE FT.	7	7	7	9	10	11	12	14	16	17	19
TUBING FT.	5 FT	6	7	8	8	9	10	12	13	14	16
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.											





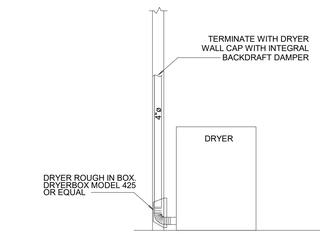
SIDE VIEW TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

NOTE:

1. SEE SPECIFICATIONS FOR DETAILED HANGER REQUIREMENTS.

5 M003 MECHANICAL PIPE SUPPORT DETAIL

NOT TO SCALE

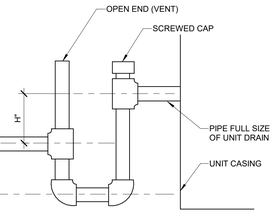


NOTES:

1. DRYER EXHAUST SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 504 OF THE INTERNATIONAL MECHANICAL CODE.
2. DRYER EXHAUST DUCT SHALL NOT BE FASTENED WITH SCREWS OR OTHER FASTENERS THAT WILL OBSTRUCT THE EXHAUST FLOW.
3. DRYER EXHAUST DUCTS SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF METAL A MINIMUM OF .016" THICK.
4. ALL EXHAUST DUCT SHALL BE SUPPORTED AT 4 FOOT INTERVALS AND SECURED IN PLACE. THE INSERT END OF THE DUCT SHALL EXTEND INTO THE ADJOINING DUCT OR FITTING IN THE DIRECTION OF FLOW.
5. TRANSITION DUCTS USED TO CONNECT THE DRYER TO THE EXHAUST DUCT SYSTEM SHALL BE A SINGLE LENGTH THAT IS LISTED AND LABELED IN ACCORDANCE WITH UL 2158A. TRANSITION DUCTS SHALL BE A MAXIMUM OF 4 FEET IN LENGTH AND SHALL NOT BE CONCEALED WITHIN CONSTRUCTION.
6. WHERE EXHAUST DUCT IS CONCEALED WITHIN THE BUILDING CONSTRUCTION, THE EQUIVALENT LENGTH OF THE EXHAUST DUCT SHALL BE IDENTIFIED ON A PERMANENT LABEL OR TAG. THE LABEL OR TAG SHALL BE LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION.
7. PROTECTION SHIELD PLATES SHALL BE PLACED WHERE NAILS OR SCREWS FROM FINISH OR OTHER WORK ARE LIKELY TO PENETRATE THE CLOTHES DRYER EXHAUST DUCT. SHIELD PLATES SHALL BE PLACED ON THE FINISHED FACE OF ALL FRAMING MEMBERS WHERE THERE IS LESS THAN 1-1/4" BETWEEN THE DUCT AND THE FINISHED FACE OF THE FRAMING MEMBER. PROTECTIVE SHIELD PLATES SHALL BE CONSTRUCTED OF STEEL, HAVE THE THICKNESS OF 0.062 INCH AND EXTEND A MINIMUM OF 2 INCHES ABOVE SOLE PLATES AND BELOW TOP PLATES.
8. DRYERBOX RECEPTACLE SHALL BE METAL AND BE INSTALLED AS LOW AS POSSIBLE AS TO PERMIT THE PROPER AND SAFE COLLECTION OF THE DRYER TRANSITION HOSE. DRYERBOX SHOULD BE RESTING ON THE BOTTOM PLATE AND BE LOCATED AT OR NEAR THE CENTERLINE OF THE PROPOSED DRYER APPLIANCE. RIGID DUCT SHOULD PENETRATE DRYERBOX PORT 2 INCHES TO PROVIDE FOR FUTURE CONNECTION AND STORAGE OF TRANSITION HOSE. BASEBOARD SHALL BE "BUTTED" UP TO THE FIXED EXTENSION RIM AND SLIGHTLY BACK-CUT. DRYERBOX SHOULD BE CAULKED AND THEN PAINTED WITH THE TRIM PAINT. FOR USAGE IN A ONE-HOUR WALL ASSEMBLY, UL REQUIRES THAT BATT INSULATION BE STUFFED AROUND THE DRYERBOX AND IN THE ENTIRE WALL CAVITY CELL.

6 M003 DRYER EXHAUST DETAIL

SCALE: NOT TO SCALE



NOTES:

1. LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
2. "RUNNING" TYPE TRAPS SHALL BE UNACCEPTABLE.
3. H = TOTAL STATIC FAN PRESSURE (CONFIRM TSP WITH EQUIPMENT PROVIDED).
4. J = H/2 (MINIMUM)

7 M003 CONDENSATE DRAIN TRAP INSTALLATION DETAIL

NOT TO SCALE

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SOUTH CAROLINA WILLIAM DEAN BILLARD No.30241 03/02/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501 Conway, SC 29526

ISSUE DATE: 03/02/2026
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MECHANICAL DETAILS

SHEET NO. M003

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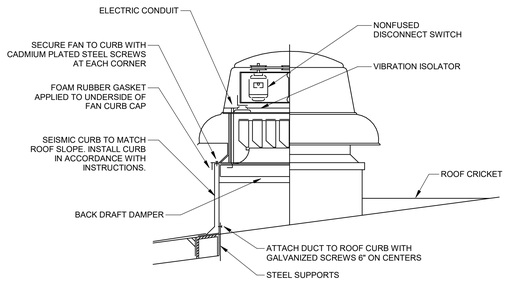
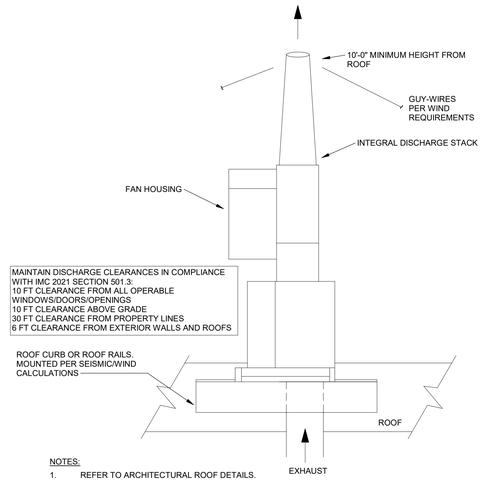


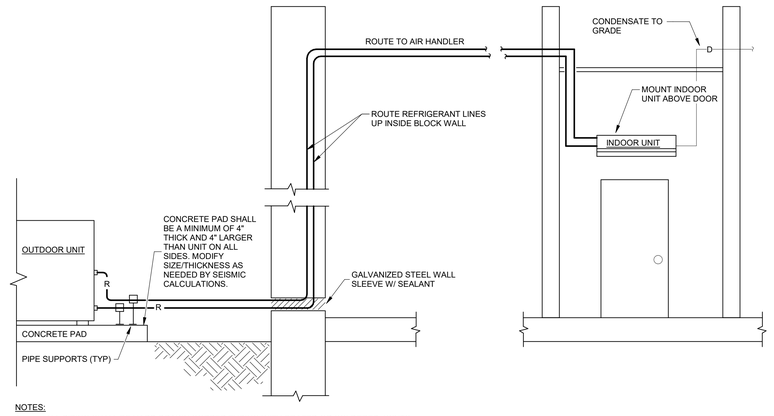
NOTES:
1. REFER TO ARCHITECTURAL ROOF DETAILS.

1 M004 ROOF EXHAUST FAN INSTALLATION DETAIL
NOT TO SCALE



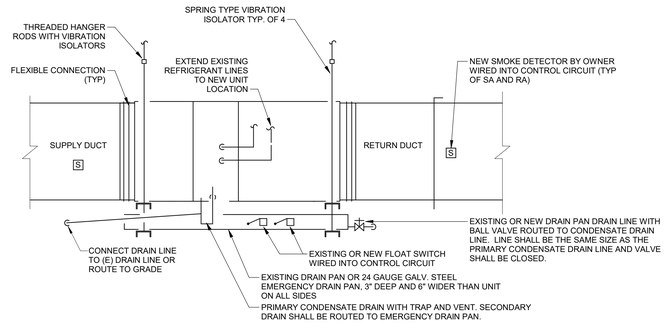
NOTES:
1. REFER TO ARCHITECTURAL ROOF DETAILS.

2 M004 LAB EXHAUST FAN INSTALLATION DETAIL
SCALE: 1/4" = 1'-0"



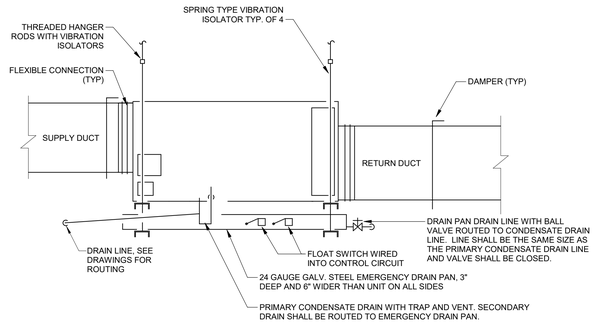
NOTES:
1. ALL PIPING SHALL BE HARD DRAWN COPPER TUBING WITH BRAZED OR SOLDERED JOINTS.
2. SUCTION LINE INSULATION OUTDOORS SHALL BE COVERED WITH METAL JACKET, SEE SPEC.

3 M004 MINI-SPLIT INSTALLATION DETAIL
SCALE: NOT TO SCALE



NOTES:
1. THIS DETAIL IS FOR REFERENCE REGARDING THE REINSTALLATION AND RELOCATION OF AHU-7. EXISTING FIELD CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR. IF FIELD CONDITIONS DIFFER FROM THE ABOVE DETAIL CONTRACTOR MY SUBMIT AND RFI TO THE ENGINEER FOR DIRECTION.
2. EXISTING EXTERNAL SENSORS, DEVICES, AND ELEMENTS (SUCH AS FLOAT SWITCHES, SMOKE DETECTORS, AND EXTERNAL DRAIN PANS) ARE TO BE REUSED. IF EXISTING UNIT DOES NOT HAVE THE ELEMENTS SHOWN IN THIS DETAIL, CONTRACTOR SHALL PROVIDE AND INSTALL NEW.
3. NEW SMOKE DUCT MOUNTED SMOKE DETECTORS ARE TO BE PROVIDED, INSTALLED, AND WIRED BY FIRE ALARM VENDOR HIRED BY HGTC.
4. ALL DRAIN LINES SHALL SLOPE AT LEAST 1" PER 10 FT. CONTINUOUSLY. LINES SHALL NOT BE ALLOWED TO RUN ALONG THE CEILING STRUCTURE AND RISE UP AGAIN.
5. PROVIDE HANGING RODS FOR UNITS SUSPENDED FROM STRUCTURE AND SUSPEND EMERGENCY DRAIN PAN FROM UNIT.
6. SUPPORT EMERGENCY DRAIN PAN ON ANGLES OR STRUTS; PAN TO BE EASILY REMOVABLE FOR MAINTENANCE ACCESS.

4 M004 HORIZONTAL AHU INSTALLATION DETAIL
SCALE: NOT TO SCALE



NOTES:
1. ROUTE DRAIN LINES AS INDICATED ON DRAWINGS. ALL DRAIN LINES SHALL SLOPE AT LEAST 1" PER 10 FT. CONTINUOUSLY. LINES SHALL NOT BE ALLOWED TO RUN ALONG THE CEILING STRUCTURE AND RISE UP AGAIN.
2. PROVIDE HANGING RODS FOR UNITS SUSPENDED FROM STRUCTURE AND SUSPEND EMERGENCY DRAIN PAN FROM UNIT.
3. SUPPORT EMERGENCY DRAIN PAN ON ANGLES OR STRUTS; PAN TO BE EASILY REMOVABLE FOR MAINTENANCE ACCESS.
4. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

5 M004 HORIZONTAL DEHUMIDIFIER INSTALLATION DETAIL
SCALE: NOT TO SCALE

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SOUTH CAROLINA WILLIAM DEAN BILLARD No.30241 03/02/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100
Agency Review ID: H59-6374-CB
2451 US-501 Conway, SC 29526

ISSUE DATE: 03/02/2026
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SHEET TITLE:
MECHANICAL DETAILS

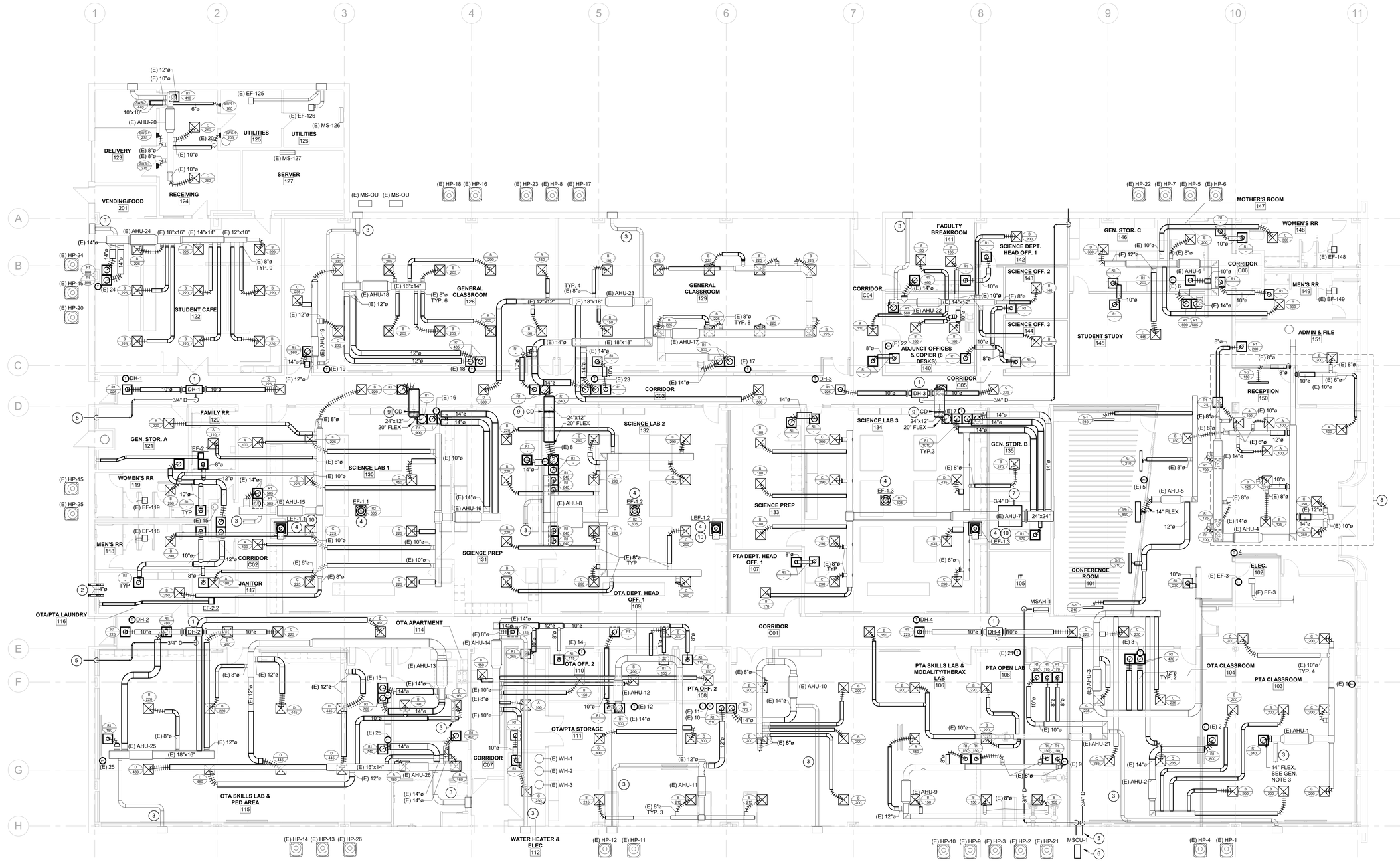
SHEET NO. M004
PROJ. NO. H59-6374-CB

RENOVATION KEYNOTES

1. NEW DEHUMIDIFIER MOUNTED ABOVE CEILING. ENSURE A MINIMUM OF 25'0" BETWEEN ASSOCIATED SUPPLY AND RETURN GRILLE.
2. PROVIDE 4" DRYER DUCT TO EXTERIOR. TERMINATE WITH DRYER WALL CAP WITH INTEGRAL BACKDRAFT DAMPER. SEE DETAIL.
3. EXISTING OUTSIDE AIR DUCT TO SOFFIT.
4. ROOF MOUNTED EXHAUST FAN. ENSURE FAN IS OFFSET FROM ROOF RIDGE AT THE CENTERLINE OF THE ROOF. FIELD VERIFY INSTALL LOCATIONS AND PROVIDE ANY DUCT-OFFSETS NECESSARY FOR INSTALLATION.
5. CONDENSATE SHALL DISCHARGE TO GRADE.
6. NEW MINI-SPLIT, SEE INSTALLATION DETAIL.
7. NEW LOCATION OF AHU-7. SEE HORIZONTAL AHU INSTALLATION DETAIL FOR REFERENCE. RECONNECT CONDENSATE LINE TO EXISTING CONDENSATE LINE OR ROUTE NEW LINE TO GRADE. EXTEND EXISTING REFRIGERANT LINES TO NEW LOCATION. NEW SMOKE DUCT MOUNTED SMOKE DETECTORS ARE TO BE PROVIDED, INSTALLED, AND WIRED BY FIRE ALARM VENDOR HIRED BY HGTC.
8. PROVIDE NEW DUCTWORK AND DAMPER TO REPLACE DEMOLISHED ZONE DAMPER.
9. COUNTERBALANCED BACKDRAFT DAMPER SHALL BE ORIENTED SO THAT AIR ONLY FLOWS FROM HALLWAY INTO SCIENCE LAB.
10. CONTRACTOR SHALL PROVIDE AND CONNECT DUCT FROM ROOF MOUNTED FAN TO LABORATORY FUME HOOD. COORDINATE WITH FUME HOOD FOR DETAILS. DUCTWORK SHALL BE 12" ROUND OR 10"X8" WELDED STAINLESS STEEL MEETING SPECIFICATION 233113 INSULATED WITH 2.2 INCH MINERAL FIBER BLANKET MEETING SPECIFICATION 230713.

GENERAL NOTES

1. EXISTING DUCTWORK AND MECHANICAL SYSTEMS INFORMATION IS BASED UPON ARCHIVE FACILITY DRAWINGS AVAILABLE FOR THIS PROJECT AND LIMITED VISUAL INSPECTIONS BY ENGINEER VIA FACILITY SITE VISITS. CONTACT EOR FOR ANY DEVIATION IN EXISTING CONDITIONS FROM THESE CONTRACT DRAWINGS.
2. ALL FLEX DUCT AND ASSOCIATED BRANCH BALANCING DAMPER SHALL BE NEW WHERE NEW AIR DEVICES ARE CALLED FOR.
3. CONNECT RETURN AIR DEVICES TO THE EXISTING AND NEW RETURN DUCTWORK WITH THE FOLLOWING SIZES OF FLEX DUCT, UNO.
   PROVIDE 6" ROUND FLEX DUCT FOR AIR DEVICES UNDER 85 CFM.
   PROVIDE 8" ROUND FLEX DUCT FOR AIR DEVICES UNDER 180 CFM.
   PROVIDE 10" ROUND FLEX DUCT FOR AIR DEVICES UNDER 320 CFM.
   PROVIDE 12" ROUND FLEX DUCT FOR AIR DEVICES UNDER 520 CFM.
   PROVIDE 14" ROUND FLEX DUCT FOR AIR DEVICES OVER 520 CFM.
4. FOR SUPPLY AND RETURN LINEAR SLOT DIFFUSERS, PROVIDE FLEX DUCT EQUIVALENT TO INLET SIZE LISTED IN SLOT DIFFUSER SCHEDULE, UNO.
5. FOR SUPPLY SQUARE DIFFUSERS, PROVIDE FLEX DUCT EQUIVALENT TO NECK SIZE LISTED IN AIR DISTRIBUTION SCHEDULE, UNO.



1 M101 LEVEL 01 - MECHANICAL DUCTWORK PLAN
SCALE: 1/8" = 1'-0"

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SOUTH CAROLINA WILLIAM DEAN BILLARD No.30241 03/02/2026

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501 Conway, SC 29526

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SHEET TITLE:
LEVEL 1 MECHANICAL DUCTWORK PLAN

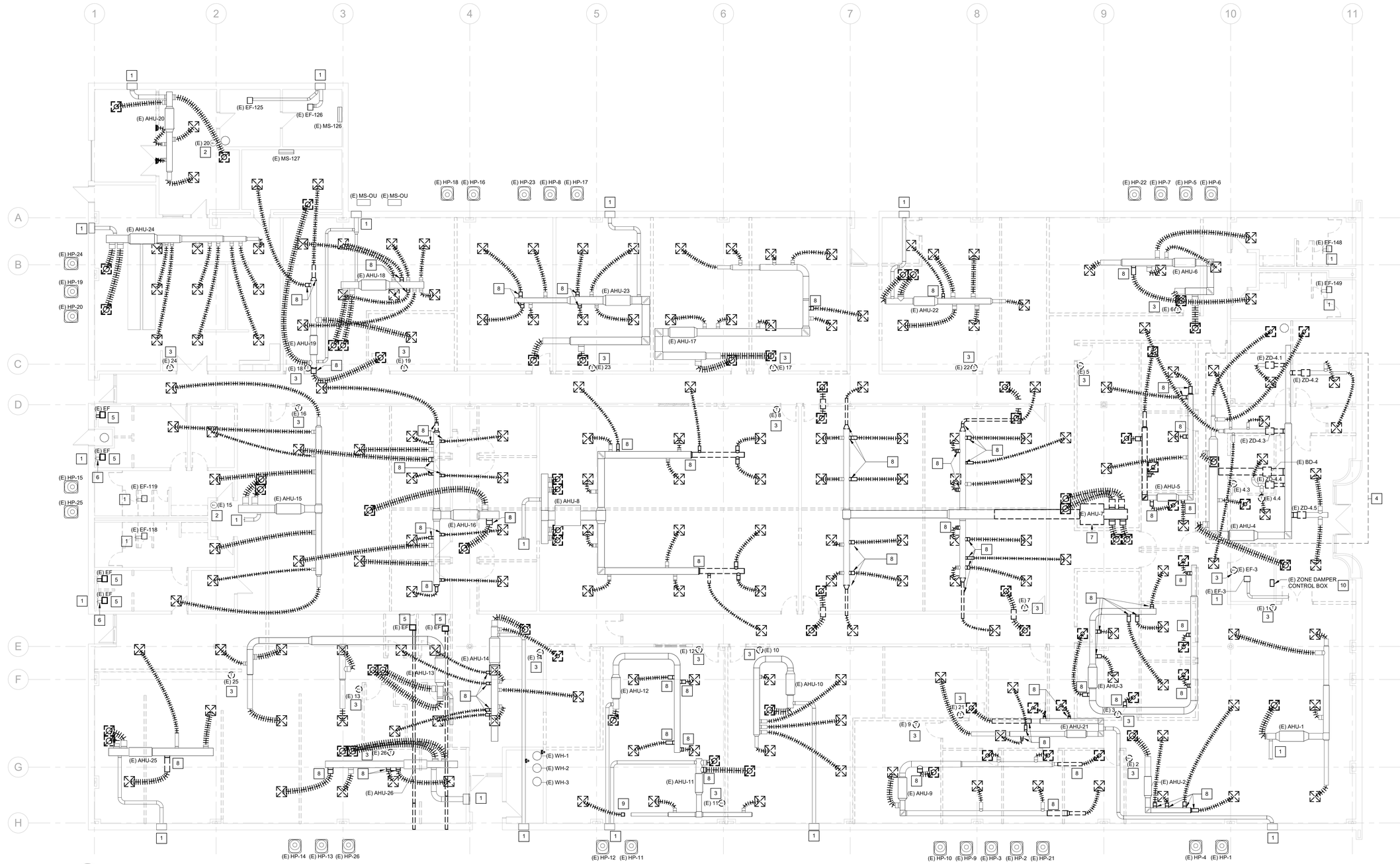
SHEET NO. M101
PROJ. NO. H59-6374-CB

DEMOLITION KEYNOTES

1	EXISTING OA DUCT / EXHAUST TO SOFFIT VENT, TO REMAIN.
2	EXISTING T-STAT TO REMAIN. SEE GENERAL NOTE 3.
3	EXISTING T-STAT TO BE RELOCATED.
4	REMOVE ZONE DAMPERS AND ASSOCIATED CONTROLS AND THERMOSTATS. DEMOLISH ZONE DAMPER DUCTS AND BYPASS DUCTS AS INDICATED. PATCH DUCTWORK AS REQUIRED.
5	EXHAUST FAN TO BE DEMOLISHED.
6	DUCTWORK TO REMAIN FOR RECONNECTION.
7	AIR HANDLER #7 TO BE RELOCATED, SEE RENOVATION PLAN. DEMOLISH DUCTWORK AS INDICATED.
8	DEMOLISH EXISTING TAP / DUCT AND SEAL DUCTWORK WHERE TAP IS NOT REUSED. SEE RENOVATION PLAN FOR NEW TAPS.
9	EXISTING GRILLE & DUCTWORK IS NOT ATTACHED TO AHU-11 AND SHALL BE REPAIRED. SEE RENOVATION PLAN.
10	(E) ZONE DAMPER CONTROL BOX TO BE DEMOLISH. PATCH WALL TO MATCH NEW FINISHES. SEE ARCHITECTURAL DRAWINGS FOR FINISH SCHEDULE.

GENERAL NOTES

1. EXISTING DUCTWORK AND MECHANICAL SYSTEMS INFORMATION IS BASED UPON ARCHIVE FACILITY DRAWINGS AVAILABLE FOR THIS PROJECT AND LIMITED VISUAL INSPECTIONS BY ENGINEER VIA FACILITY SITE VISITS. CONTACT EOR FOR ANY DEVIATION IN EXISTING CONDITIONS FROM THESE CONTRACT DRAWINGS.
2. ALL EXISTING FLEX DUCTS AND ASSOCIATED BRANCH BALANCING DAMPERS SHALL BE DEMOLISHED AND REPLACED WITH NEW FLEX DUCTS AND DAMPERS WHERE DEMOLITION OF THE FLEX DUCT IS SHOWN.
3. ALL EXISTING THERMOSTATS SHALL BE REMOVED AND REINSTALLED TO ALLOW FOR PAINTING. COORDINATE WITH ARCHITEURAL PLANS. SEE FLOORPLAN TO DETERMINE IF THERMOSTAT WILL BE RELOCATED OR WILL BE REINSTALLED AT THE SAME LOCATION.



1 MD101 LEVEL 01 - MECHANICAL DUCTWORK DEMOLITION PLAN
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SHEET TITLE:
LEVEL 1 MECHANICAL DUCTWORK DEMOLITION PLAN

SHEET NO. MD101
PROJ. NO. H59-6374-CB

ELECTRICAL SYSTEMS SEISMIC REQUIREMENTS

PER IBC-2021/ASCE 7-16

A. PER THE 2021 INTERNATIONAL BUILDING CODE, MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND COMPONENTS, INCLUDING THEIR SUPPORTS AND ATTACHMENTS, SHALL BE DESIGNED FOR SEISMIC FORCES IN ACCORDANCE WITH CHAPTER 13 OF ASCE 7-16.

B. EXTERIOR EQUIPMENT (INCLUDING ROOF CURBS, RAILS, SUPPORTS) EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST THE WIND PRESSURES DETERMINED IN ACCORDANCE WITH CHAPTER 26 TO 29 OF ASCE 7-16.

C. WHERE DESIGN FOR SEISMIC AND WIND LOADS IS REQUIRED, THE MORE DEMANDING FORCE MUST BE USED.

D. REFERENCE THE STRUCTURAL DRAWINGS FOR SITE SPECIFIC INFORMATION ON SEISMIC DESIGN CATEGORY, WIND SPEEDS, ETC.

E. USE THE TABLE BELOW TO DETERMINE SEISMIC RESTRAINT REQUIREMENTS FOR EACH COMPONENT.

F. FOR ALL COMPONENTS REQUIRING SEISMIC RESTRAINT, THE COMPONENT SUPPORTS AND ATTACHMENTS SHALL BE DESIGNED BY A REGISTERED DESIGN PROFESSIONAL REGISTERED IN THE STATE THE JOB IS LOCATED. SUBMITTALS MUST INCLUDE STAMPED AND SIGNED DRAWINGS AND CALCULATIONS.

G. WHERE SEISMIC RESTRAINT IS REQUIRED, HOUSEKEEPING PADS NEEDED FOR THE INSTALLATION OF EQUIPMENT UNDER THIS CONTRACT MUST BE DESIGNED BY THE SEISMIC ENGINEER. DO NOT POUR ANY HOUSEKEEPING PADS PRIOR TO THE RECEIPT OF THE APPROVED SEISMIC SUBMITTAL.

H. SEISMIC RESTRAINTS FOR DUCTWORK, PIPING, CONDUIT, CABLE TRAYS AND BUS DUCT MUST BE SHOWN ON LAYOUT DRAWINGS SHOWING SPECIFIC RESTRAINT LOCATIONS ALONG WITH ACCOMPANYING DETAILS AND CALCULATIONS.

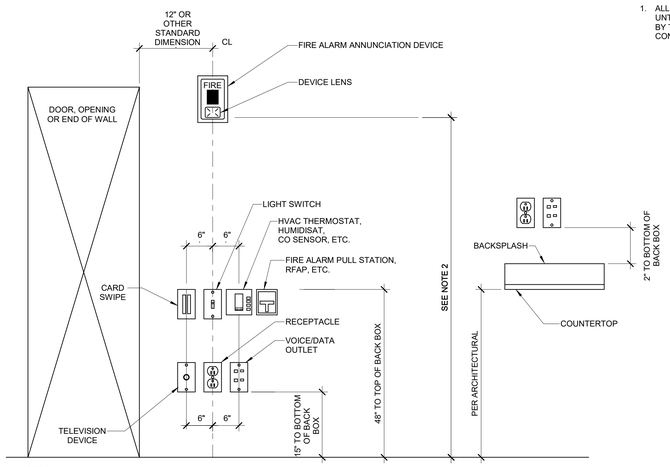
ELECTRICAL COMPONENT IMPORTANCE FACTOR (Ip) DESIGNATION

Ip = 1.0	Ip = 1.5
• ALL ASSOCIATED ELECTRICAL WORK UNLESS NOTED OTHERWISE	• EMERGENCY LIGHTS • EXIT LIGHTS • FIRE ALARM

SEISMIC DESIGN CATEGORIES C

	COMPONENT IMPORTANCE FACTOR (Ip)			
	1.0		1.5	
COMPONENT IDENTIFICATION	SEISMIC RESTRAINT REQUIREMENT	NOTES	SEISMIC RESTRAINT REQUIREMENT	NOTES
ROOF MOUNTED	NOT REQUIRED	1	RESTRAIN ALL	-
FLOOR MOUNTED	NOT REQUIRED	1,2	RESTRAIN ALL	-
WALL MOUNTED	NOT REQUIRED	1,2	RESTRAIN ALL	-
COMPONENT SUPPORTS	NOT REQUIRED	1	RESTRAIN ALL	-
SUSPENDED EQUIPMENT	NOT REQUIRED	1	RESTRAIN ALL	-
SINGLE CONDUIT	NOT REQUIRED	3	RESTRAIN IF > 2.5"	3
CABLE TRAY/BUS DUCT TRAPEZED CONDUIT	NOT REQUIRED	3	RESTRAIN IF ANY CONDUIT ON TRAPEZE > 2.5" RESTRAIN IF TOTAL WEIGHT OF SUSPENDED COMPONENT > 10 LBS/FT	3
COMPONENT CERTIFICATION	NOT REQUIRED	-	REQUIRED	5
PENDANT, LAY-IN AND CAN LIGHTS	NOT REQUIRED	4	REQUIRED	4

NOTES:
1. EQUIPMENT 20 LBS. OR LESS IS EXEMPT IF THE COMPONENT IS POSITIVELY ATTACHED TO THE STRUCTURE AND FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.
2. RESTRAINTS ARE NOT REQUIRED IF THE COMPONENT WEIGHS 400 LBS. OR LESS, IS MOUNTED WITH THE CENTER MASS AT 4' OR LESS ABOVE A FLOOR, IS POSITIVELY ATTACHED TO THE STRUCTURE, AND HAS FLEXIBLE CONNECTIONS BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.
3. RESTRAINT IS NOT REQUIRED IF THE CONDUIT IS SUPPORTED BY HANGERS AND EACH HANGER IN THE RUN IS 12" IN. OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE SUPPORTING STRUCTURE. WHERE PIPES ARE SUPPORTED ON A TRAPEZE, THE TRAPEZE SHALL BE SUPPORTED BY HANGERS HAVING A LENGTH OF 12" IN. OR LESS. WHERE ROD HANGERS ARE USED, THEY SHALL BE EQUIPPED WITH SWIVELS, EYE NUTS OR OTHER DEVICES TO PREVENT BENDING IN THE ROD.
4. THE RESTRAINT OF PENDANT, LAY-IN AND CAN LIGHTS IS ADDRESSED IN ASTM C636 AND E580.
5. COMPONENT CERTIFICATION MUST BE SUPPLIED BY THE EQUIPMENT MANUFACTURER AT TIME OF SUBMITTAL FOR REVIEW BY ENGINEER OF RECORD.



NOTE 1:
DEVICES SHOWN WITHIN 48" OF EACH OTHER ON ALL ELECTRICAL PLANS SHALL BE ALIGNED PER THIS DETAIL. IF DEVICES ARE SHOWN IN MIDDLE OF WALL, THEN CENTER DEVICES ON WALL.

NOTE 2:
MOUNT 80" ABOVE FINISHED FLOOR WHERE POSSIBLE. WHERE CEILING HEIGHTS DO NOT ALLOW THIS HEIGHT, MOUNT 6" BELOW CEILING. WHERE OBSTRUCTIONS DO NOT ALLOW THIS HEIGHT, MOUNT 80" TO 96" ABOVE FINISHED FLOOR. ALL MOUNTING HEIGHTS FOR NOTIFICATION DEVICES SHALL BE MEASURED TO THE BOTTOM OF THE LENS.

1 E001 DEVICE ALIGNMENT DETAIL
NOT TO SCALE

GENERAL ELECTRICAL NOTES

1. BRANCH CIRCUIT WIRING FOR 20A CIRCUITS SHALL BE SIZED PER WIRE SIZING CHART. WHERE CONDUCTOR AND RACEWAY SIZE ARE SHOWN AT HOMERUN, SUCH SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT. EXCEPTION: FINAL CONNECTION TO DEVICES IN OUTLET BOXES IS NOT REQUIRED TO BE LARGER THAN #12.
2. PRIOR TO ROUGH-IN, COORDINATE THE LOCATION AND MOUNTING HEIGHT OF ALL WALL MOUNTED DEVICES WITH THE ARCHITECTURAL INTERIOR ELEVATIONS AND MILLWORK SHOP DRAWINGS. IN THE EVENT OF A CONFLICT, NOTIFY THE ARCHITECT. MINOR ADJUSTMENTS IN DEVICE LOCATION, SUCH AS 5'-0" IN ANY DIRECTION, SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER. UNDERCABINET LIGHT FIXTURES, RECEPTACLES AND OTHER DEVICES TO BE MOUNTED INSIDE CABINETS SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO ROUGH IN TO CONFIRM THE EXACT LOCATION OF FIXTURES AND DEVICES.
3. COORDINATE THE LOCATION OF ALL FLOOR BOXES WITH THE ARCHITECT PRIOR TO ROUGH IN. COORDINATE CORE DRILLING HOLES IN FLOOR WITH STRUCTURAL ENGINEER.
4. OUTLET BOXES FOR SWITCHES, RECEPTACLES, ETC. MOUNTED ON OPPOSITE SIDES OF PARTITIONS SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY. SEPARATE WALL PENETRATIONS BY MOUNTING ON OPPOSITE SIDES OF WALL STUDS OR OTHER VERTICAL STRUCTURAL MEMBERS IN THE WALL.
5. RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION, ABOVE CEILINGS, BELOW FLOOR AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. EXPOSED RACEWAYS MAY BE USED IN UNFINISHED SPACES, WHERE EXPLICITLY NOTED ON PLANS AND WHERE APPROVED BY THE ARCHITECT AND ENGINEER. LAY OUT EXPOSED RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.
6. FEEDER CONDUITS, BRANCH CIRCUITS AND CABLE TRAY ROUTING SHALL COMPLY WITH DETAILS ON DRAWINGS AND SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES BEFORE AND DURING CONSTRUCTION. COORDINATE THE ROUTING OF UNDERGROUND CONDUCTORS/CONDUITS WITH STRUCTURAL FOOTINGS OF BUILDING. FEEDER CONDUITS AND BRANCH CIRCUITS SHALL BE ROUTED OVERHEAD UNLESS PRIOR APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND ENGINEER.
7. WHERE LIGHT SWITCH AND ABOVE COUNTER RECEPTACLES ARE INDICATED TO BE MOUNTED ADJACENT TO EACH OTHER, THE DEVICES SHALL BE MOUNTED IN THE SAME BOX UNDER A COMMON DEVICE PLATE.
8. THE USE OF MC CABLE IS ALLOWED ABOVE ACCESSIBLE CEILINGS AND IN STUD CONSTRUCTION ONLY. HOMERUNS TO PANEL SHALL BE WIRE IN RACEWAY ONLY, MC CABLE IS NOT ACCEPTABLE FOR HOMERUNS. MC CABLE IS ONLY ACCEPTABLE FOR 20A BRANCH CIRCUITS.
9. WHEREVER THE WORD "PROVIDE" IS USED ON THE ELECTRICAL DRAWINGS, IT SHALL BE INTENDED TO MEAN "FURNISH AND INSTALL", UNLESS NOTED OTHERWISE.
10. THE ARRANGEMENT, GROUPING, AND ROUTING OF BRANCH CIRCUITS SHALL BE PROVIDED AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICE FOR ELECTRICAL WORK, THE NATIONAL ELECTRICAL CODE REQUIREMENTS, LOCAL ORDINANCES, AND THE FOLLOWING: 1 - A COMMON NEUTRAL MAY BE INSTALLED IN A HOMERUN FOR 2 OR 3 BRANCH CIRCUITS ONLY IF A MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT OF ORIGIN IS PROVIDED PER NEC 210.4.B. 2 - MULTIPLE SINGLE-POLE BRANCH CIRCUITS (UP TO 3 HOTS, 3 NEUTRALS AND 1 GROUND) RATED FOR 30A OR LESS MAY BE PULLED INTO A SINGLE RACEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE RACEWAYS AND DE-RATING CONDUCTORS PER NEC 310.15. 3 - A GROUND CONDUCTOR SHALL BE PROVIDED IN ALL RACEWAYS UNLESS NOTED OTHERWISE.

GENERAL POWER NOTES

1. STUB-UP (6) 3/4" SPARE CONDUITS FROM EACH FLUSH MOUNTED PANELBOARD TO ABOVE FINISHED CEILING.
2. PROVIDE NEMA CONFIGURATION RECEPTACLES TO MATCH PLUGS ON EQUIPMENT FURNISHED.

GENERAL LIGHTING NOTES

1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING DETAILS OF LIGHT FIXTURE TO ACOUSTICAL CEILING SYSTEM AND STRUCTURE.
2. EXACT LOCATIONS OF LIGHTING FIXTURES IN MECHANICAL SPACES SHALL BE DETERMINED IN THE FIELD. DO NOT SUPPORT FIXTURES FROM DUCT OR PIPING. PROVIDE CHAIN OR TRAPEZE-TYPE HANGERS WHERE FIXTURES CANNOT BE MOUNTED DIRECTLY TO CEILING.
3. LIGHTING FIXTURE CATALOG NUMBERS ARE INDICATIVE OF THE STYLE OF FIXTURE REQUIRED. CONTRACTOR SHALL PROVIDE FIXTURES WITH THE PROPER TRIM, VOLTAGE AND OPTIONS NECESSARY FOR INSTALLATION.
4. DOUBLE-FACED EXIT FIXTURES SHALL BE OF THE SAME MANUFACTURER AND SERIES AS THE SINGLE-FACED EXIT FIXTURES.
5. REGARDLESS OF CATALOG NUMBER INDICATED IN SCHEDULE, PROVIDE BATTERY BACK-UP FOR ALL FIXTURES INDICATED ON THE DRAWINGS NOT CIRCUITED TO THE GENERATOR TO BE EMERGENCY TYPE.
6. REGARDLESS OF HOW NOTED ON PLANS, ALL EMERGENCY LIGHTING FIXTURES INDICATED IN PRIVATE SPACES SHALL BE WIRED SO AS TO BE SWITCHED "ON/OFF" WITHOUT OPERATING THE EMERGENCY BATTERY BACK-UP OR INVERTER. ALL EMERGENCY LIGHTING FIXTURES INDICATED IN PUBLIC SPACES OR MEANS OF EGRESS (CORRIDORS, LOBBIES, BATHROOMS, AUDITORIUMS, STAIRWELLS, ETC.) SHALL BE WIRED AHEAD OF LOCAL SWITCH AS A NIGHT LIGHT AND SHALL NOT BE SWITCHED. EMERGENCY BATTERY BACK-UP OR INVERTER SHALL NOT BE ACTIVATED UNLESS A LOSS OF NORMAL BUILDING POWER OCCURS.
7. REGARDLESS OF CATALOG NUMBER INDICATED IN SCHEDULE, ALL EXIT SIGNS SHALL BE PROVIDED WITH BATTERY BACK-UP, SHALL BE WIRED AHEAD OF LOCAL SWITCH AND SHALL NOT BE SWITCHED.

GENERAL LOW VOLTAGE NOTES

1. COMMUNICATION BACKBOARD (CBB) SHALL BE 8'H X 3/4"D PLYWOOD WITH THE BOTTOM AT 6" ABOVE FINISHED FLOOR. EXTEND A #6 BARE COPPER GROUNDING CONDUCTOR FROM THE ELECTRICAL SERVICE GROUND TO THE BACKBOARD AND LEAVE WITH SUFFICIENT SLACK TO REACH ANY PLACE THEREON. COAT BACKBOARD WITH A MINIMUM OF TWO COATS OF FIRE RETARDANT PAINT.
2. ABOVE THE LAY-IN CEILING. INSTALL CONDUIT 12" INTO CEILING CAVITY A MINIMUM OF 6" ABOVE THE CEILING AND TERMINATE WITH AN INSULATED THROAT BUSHING.
3. THE MAIN COMMUNICATIONS GROUNDING BUSBAR (MCGB) SHALL BE A PRE-DRILLED COPPER BUSBAR WITH STANDARD NEMA BOLT HOLE SIZING THAT IS NO SMALLER THAN 6MM THICK BY 100MM WIDE BY 1 FOOT LONG. THE MCGB SHALL BE BONDED TO THE BUILDING SERVICE GROUND AND ALL COMMUNICATIONS METALLIC RACEWAYS LOCATED IN THE SAME ROOM. MCGB CONNECTIONS SHALL BE LISTED TWO HOLE COMPRESSION TYPE.
4. A #4 INSULATED COPPER CONDUCTOR RUNNING FROM THE MCGB TO ALL OTHER COMMUNICATION GROUNDING BUSBARS SHALL CONSTITUTE THE COMMUNICATIONS BONDING BACKBONE.
5. EACH COMMUNICATIONS GROUNDING BUSBAR (CGB) SHALL BE A PRE-DRILLED COPPER BUSBAR WITH STANDARD NEMA BOLT HOLE SIZING THAT IS NO SMALLER THAN 6MM THICK BY 50MM WIDE BY 1 FOOT LONG. CONNECTIONS SHALL BE LISTED TWO HOLE COMPRESSION TYPE.

GENERAL HVAC CONTROLS CONDUIT NOTES

1. PROVIDE CONDUIT FOR HVAC CONTROL CIRCUITS AS REQUIRED TO INTERCONNECT HVAC UNIT TO CONTROL CIRCUITS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR AND CONTROLS PROVIDER TO DETERMINE SCOPE OF CONDUITS REQUIRED FOR HVAC CONTROLS. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED CONDUIT. COORDINATE POINTS OF CONNECTION WITH DIVISION 23. PROVIDE PULL CORD IN ALL EMPTY CONDUITS. SEE MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL HVAC EQUIPMENT (AHU, HP, CU, DUCT SMOKE DETECTORS, THERMOSTATS, ETC).

GENERAL FIRST RESPONDER RADIO SYSTEM NOTES

1. PROVIDE AN IN-BUILDING PUBLIC SAFETY RADIO ENHANCEMENT SYSTEM PER IFC 510 (2021) AND INSTALL PER NFPA 1221 (2021) SECTION 9.6. COORDINATE RADIO FREQUENCY BANDWIDTH REQUIREMENTS WITH THE AHJ. PRIOR TO INSTALLATION, TEST RADIO COVERAGE IN BUILDING. IF INBOUND/OUTBOUND RADIO SIGNAL STRENGTH MEETS THE CRITERIA OF NFPA 1221 SECTION 9.6, DO NOT INSTALL RADIO ENHANCEMENTS AND PROVIDE CREDIT TO THE OWNER.

GENERAL FIRE ALARM SYSTEM NOTES

1. FIRE ALARM SCOPE IS ONLY TO PROVIDE BACKBOX AND CONDUIT STUBS TO ACCESSIBLE CEILING SPACE. FIRE ALARM DEVICE INSTALLATION WILL BE BY OTHERS. REFER TO FIRE ALARM SHOP DRAWINGS FOR EXACT ROUGH IN LOCATION REQUIREMENTS.

GENERAL EXISTING CONDITION NOTES

1. AREAS OF WORK EXIST FOR THIS PROJECT WHICH WERE NOT ACCESSIBLE OR HAD LIMITED ACCESS DURING DESIGN. AS SUCH, CONTRACTOR SHALL VERIFY ALL UTILITIES IN AREA OF WORK BEFORE DEMOLITION OF ANY SERVICE. ANY ELECTRICAL COMPONENTS NOT SHOWN SHALL BE IDENTIFIED AND THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED AS SOON AS POSSIBLE. NO ELECTRICAL REWORK SHALL BE COMMENCED WITHOUT COORDINATION OF BOTH ARCHITECT AND ENGINEER. WHERE INFORMATION SHOWN ON THESE DRAWINGS CONFLICTS WITH VERIFIED FIELD CONDITIONS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER.
2. IN AREAS WHERE THE EXISTING CEILINGS ARE NOT SLATED TO BE REPLACED, THE CONTRACTOR SHALL WORK THROUGH THE EXISTING CEILINGS (SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR AREA OF WORK). THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY DAMAGED TILE OR GRID THAT IS A RESULT OF THEIR WORK.
3. WHERE INSTALLATION REQUIRES CUTTING OR DRILLING OF THE EXISTING FLOOR SLAB, THE CONTRACTOR SHALL X-RAY THE EXISTING SLAB PRIOR TO WORK TO ENSURE THAT NO EXISTING UTILITIES OR STRUCTURAL ELEMENTS IN THE SLAB WILL BE COMPROMISED BY THE WORK. NOTIFY THE A/E OF ANY CONFLICTS THAT WILL REQUIRE RELOCATING THE PROPOSED SLAB WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGED UTILITIES OR STRUCTURAL ELEMENTS CAUSED BY THE SLAB DEMOLITION.
4. SUPPORT ALL EXISTING CONDUITS AND JUNCTION BOXES ABOVE THE CEILING IN THE CONSTRUCTION AREA PER NEC.
5. REMOVE ALL ABANDONED CONDUIT, WIRE AND CABLES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
6. PROVIDE JUNCTION BOX COVERS ON ALL EXISTING JUNCTION BOXES ABOVE THE CEILING IN THE CONSTRUCTION AREA.
7. SUPPORT ALL EXISTING CABLES ABOVE THE CEILING IN THE CONSTRUCTION AREA.

GENERAL DEMOLITION NOTES

1. ALL ELECTRICAL EQUIPMENT TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIALS UNTIL RELEASED BY THE OWNER'S PROJECT MANAGER. MATERIALS THAT THE OWNER'S PROJECT MANAGER CHOOSES TO RETAIN SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION DESIGNATED BY THE PROJECT MANAGER. ALL OTHER MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.

ELECTRICAL ABBREVIATIONS

ABBR	DESCRIPTION
(E)	EXISTING
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AL	ALUMINUM
BFC	BELOW FINISHED CEILING
BOD	BOTTOM OF DEVICE
CBB	COMMUNICATIONS BACKBOARD
cd	CANDELA
CLG	CEILING
DAS	DISTRIBUTED ANTENNA SYSTEM
EF	EXHAUST FAN
FACP	FIRE ALARM CONTROL PANEL
FCU	FAN COIL UNIT
FDS	FUSED DISCONNECT SWITCH
GBB	GROUND BUSBAR
GFCI	GROUND-FAULT CIRCUIT-INTERRUPTING
HP	HEAT PUMP
J-BOX	JUNCTION BOX
KW	KILOWATTS
MCGB	MAIN COMMUNICATIONS GROUNDING BUSBAR
NEC	NATIONAL ELECTRICAL CODE
NFDS	NON-FUSED DISCONNECT SWITCH
SPD	SURGE PROTECTION DEVICE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
W/	WITH
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER

CONTROL PANELS	DESCRIPTION
EMS	ENERGY MANAGEMENT SYSTEM
FACP	FIRE ALARM CONTROL PANEL
LCP	LIGHTING CONTROL PANEL
NAC	NOTIFICATION APPLIANCE CIRCUIT
SEC	SECURITY PANEL

JUNCTION BOX/SCHEDULE	DESCRIPTION
AD	AUTOMATIC DOOR
EF	EXHAUST FAN
FH	EXHAUST HOOD

LIGHT SWITCH	DESCRIPTION
3	THREE WAY
4	FOUR WAY
D	DIMMER
OD	COMBINATION OCCUPANCY SENSOR / DIMMER
OS	OCCUPANCY SENSOR
VS	VACANCY SENSOR

RECEPTACLE	DESCRIPTION
C	MOUNT ABOVE COUNTER
D	DRYER
M	MICROWAVE
R	REFRIGERATOR
WC	WATER COOLER
WP	WEATHERPROOF

LINE LEGEND

SYMBOL	DESCRIPTION
———	EXISTING TO REMAIN
———	NEW CONSTRUCTION
- - - -	DEMOLISH

WIRE SIZING CHART 20 AMP BRANCH CIRCUITS

DISTANCE, 120V	MINIMUM WIRE SIZE
0 - 90 FEET	#12 AWG
90 - 230 FEET	#10 AWG
230 - 446 FEET	#8 AWG

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHT FIXTURE (TYPICAL ALL DIMENSIONS)	S	LIGHT SWITCH, SINGLE POLE
	LIGHT FIXTURE (SHADING INDICATES EMERGENCY, TYPICAL ALL LIGHTING SYMBOLS)	S^X	LIGHT SWITCH, "X" INDICATES SWITCH TYPE
	STRIP LIGHT FIXTURE	S^a	LIGHT SWITCH, LOWERCASE LETTER INDICATES SWITCHLEG
	LIGHT FIXTURE (TYPICAL ALL DIMENSIONS)	OS	OCCUPANCY SENSOR (CEILING MOUNTED)
	LIGHT FIXTURE (TYPICAL ALL DIMENSIONS)	OS	OCCUPANCY SENSOR (WALL MOUNTED)
	WALL MOUNTED LIGHT FIXTURE	VS	VACANCY SENSOR (CEILING MOUNTED)
	EXIT SIGN, SINGLE SIDED (ARROWS INDICATE CHEVRON DIRECTION)	PC	PHOTOCELL LIGHTING CONTROL (WALL MOUNTED)
	EXIT SIGN, DOUBLE SIDED (ARROWS INDICATE CHEVRON DIRECTION)	0	LIGHTING CONTROL SCHEME CALLOUT (SEE SCHEDULE)

POWER AND TELECOMMUNICATIONS SYMBOL LEGEND

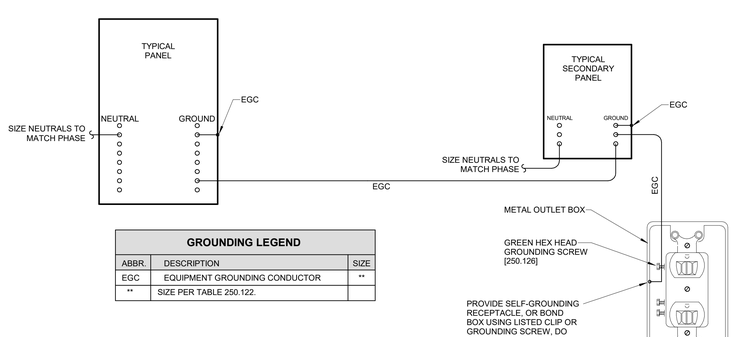
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
X	DUPLEX RECEPTACLE "X" INDICATES RECEPTACLE TYPE	V	COMMUNICATION OUTLET (ROUGH-IN ONLY)
X	GFCI DUPLEX RECEPTACLE "X" INDICATES RECEPTACLE TYPE	V	COMMUNICATION OUTLET (CEILING MOUNTED, ROUGH-IN ONLY)
X	QUADRUPLEX RECEPTACLE "X" INDICATES RECEPTACLE TYPE	V	COMMUNICATION OUTLET (FLOOR MOUNTED, ROUGH-IN ONLY)
X	GFCI QUADRUPLEX RECEPTACLE "X" INDICATES RECEPTACLE TYPE	AV	AUDIO VISUAL OUTLET (WALL MOUNTED, ROUGH-IN ONLY)
	SPECIAL PURPOSE RECEPTACLE, SEE PLANS FOR NEMA CONFIGURATION AND BRANCH CIRCUITING	TV	TELEVISION OUTLET (WALL MOUNTED, ROUGH-IN ONLY)
	CEILING MOUNTED RECEPTACLE (TYPICAL ALL TYPES)	WF	Wi-Fi ACCESS POINT (CEILING MOUNTED)
	FLOOR MOUNTED RECEPTACLE (TYPICAL ALL TYPES)	TGBB	TELECOMMUNICATIONS GROUNDING BUSBAR
X	JUNCTION BOX (WALL MOUNTED) "X" INDICATES JUNCTION BOX TYPE	CBB	COMMUNICATIONS BACKBOARD
X	JUNCTION BOX (FLOOR MOUNTED) "X" INDICATES JUNCTION BOX TYPE	T	THERMOSTAT (WALL MOUNTED, ROUGH-IN ONLY)
X	CONTROL SWITCH, "X" INDICATES SWITCH TYPE	M	METER
	CABLE TRAY	SPD	SURGE PROTECTION DEVICE
	PUSH BUTTON CONTROL		PANELBOARD - BRANCH, SURFACE MOUNTED
	DISCONNECT SWITCH (FUSIBLE OR NON-FUSIBLE)		PANELBOARD - BRANCH, FLUSH MOUNTED
	SWITCHBOARD		TRANSFORMER
	DATA RACK		

SYSTEMS SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
SD	SMOKE DETECTOR (CEILING MOUNTED, ROUGH-IN ONLY)	TS	FIRE ALARM TAMPER SWITCH (ROUGH-IN ONLY)
SD	SMOKE DETECTOR (DUCT MOUNTED, ROUGH-IN ONLY)	FS	FIRE ALARM FLOW SWITCH (ROUGH-IN ONLY)
X	CONTROL PANEL, "X" INDICATES TYPE (ROUGH-IN ONLY)	PS	FIRE ALARM PRESSURE SWITCH (ROUGH-IN ONLY)
RFAP	REMOTE FIRE ALARM ANNUNCIATOR (ROUGH-IN ONLY)	F	FIRE ALARM PULL STATION (ROUGH-IN ONLY)
V C	SECURITY CAMERA (CEILING MOUNTED, ROUGH-IN ONLY)	V H	FIRE ALARM STROBE NOTIFICATION APPLIANCE (WALL MOUNTED, ROUGH-IN ONLY)
V C	SECURITY CAMERA (WALL MOUNTED, ROUGH-IN ONLY)	V H	FIRE ALARM HORN/STROBE NOTIFICATION APPLIANCE (WALL MOUNTED, ROUGH-IN ONLY)
E	ELECTRONIC DOOR STRIKE (ROUGH-IN ONLY)	V V	FIRE ALARM STROBE NOTIFICATION APPLIANCE (CEILING MOUNTED, ROUGH-IN ONLY)
KP	SECURITY KEYPAD (ROUGH-IN ONLY)	V H	FIRE ALARM HORN/STROBE NOTIFICATION APPLIANCE (CEILING MOUNTED, ROUGH-IN ONLY)
D	DOOR POSITION SWITCH (ROUGH-IN ONLY)	CR	SECURITY CARD READER (ROUGH-IN ONLY)
M	MAGNETIC DOOR LOCK (ROUGH-IN ONLY)		

ELECTRICAL CODES & STANDARDS (WITH ALL SOUTH CAROLINA MODIFICATIONS)

CODE	DESCRIPTION
IBC (2021)	INTERNATIONAL BUILDING CODE
IECC (2009)	INTERNATIONAL ENERGY CONSERVATION CODE
IFC (2021)	INTERNATIONAL FIRE CODE
NFPA 70 (2020)	NATIONAL ELECTRICAL CODE
NFPA 72 (2019)	NATIONAL FIRE ALARM AND SIGNALING CODE



GROUNDING LEGEND

ABBR.	DESCRIPTION	SIZE
EGC	EQUIPMENT GROUNDING CONDUCTOR	**
**	SIZE PER TABLE 250.122.	

GROUNDING NOTES:

1. NUMBERS IN BRACKETS REFER TO SPECIFIC SECTIONS OF THE NATIONAL ELECTRICAL CODE.
2. ALL UNDERGROUND OR OTHERWISE INACCESSIBLE GROUND CONNECTIONS AND SPLICES SHALL BE EXOTHERMICALLY WELDED [250.68].
3. GROUND ELECTRODE FOR SEPARATELY DERIVED SYSTEMS SHALL BE THE NEAREST METAL WATER PIPE OR STRUCTURAL METAL. IF EITHER IS NOT AVAILABLE, PROVIDE GROUNDING CONDUCTOR BACK TO MAIN GROUND BUS AT SERVICE ENTRANCE.
4. PROVIDE A GROUND WIRE IN ALL CONDUITS.
5. EARTH SHALL NOT BE USED AS THE SOLE GROUND RETURN PATH FOR ANY EQUIPMENT POWERED UNDER THIS PROJECT. OTHERWISE OVERCURRENT PROTECTION MIGHT NOT WORK, OR IT MIGHT CAUSE POWER QUALITY PROBLEMS.
6. NO ALUMINUM SHALL BE USED FOR GROUNDING WORK WITHOUT THE SPECIFIC WRITTEN PERMISSION OF THE ENGINEER. EXCEPTION: ALUMINUM BUILDING STRUCTURAL MATERIALS SHALL BE BONDED WITH LISTED ALUMINUM EQUIPMENT WITH ALUMINUM TO COPPER CONNECTORS FOR ROUTING COPPER EGC'S.
7. ALL METAL ENCLOSURES AND RACEWAYS SHALL BE BONDED TO GROUND [250.86]. FOR CIRCUITS OVER 250V PROVIDE BOND PER [250.97], STANDARD LOCKNUTS ARE NOT ACCEPTABLE.
8. PROVIDE EGC CONNECTED TO ANY JUNCTION BOX WHERE SPLICE IS MADE [250.148].
9. PROVIDE BOND TO EXPOSED METAL ON ALL MOTORS, PUMPS, AND LIGHTING FIXTURES PER [250.112].

2 E001 GROUNDING DETAIL
NOT TO SCALE

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mcmillan pazdan smith ARCHITECTURE

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843-849-1141
DWG #: 25050-00

LIGHT FIXTURE SCHEDULE

FIXTURE SPECIFICATIONS						LAMPING			ELECTRICAL			
TYPE	FIXTURE DESCRIPTION	MANUFACTURER A	CAT. #	MANUFACTURER B	MANUFACTURER C	LAMP TYPE	TOTAL LUMENS	COLOR TEMP.	LOAD (VA)	VOLTS	FIXTURE MOUNTING	NOTES
A1	2'x4 HIGH LUMEN FLAT PANEL	COLUMBIA LIGHTING	NBT24-30L048G-SF-ED1U	LITHONIA LIGHTING	ELITE LIGHTING	LED	4697	3000 K	35	120 V	RECESSED IN GRID	
A1E	2'x4' HIGH LUMEN FLAT PANEL EMERGENCY	COLUMBIA LIGHTING	NBT24-30L048G-SF-ED1U	LITHONIA LIGHTING	ELITE LIGHTING	LED	4697	3000 K	35	120 V	RECESSED IN GRID	
A2	2'x4 TROFFER	COLUMBIA LIGHTING	LCAT24-LSCS	LITHONIA LIGHTING	ELITE LIGHTING	LED	5346	3500 K	40	120 V	RECESSED IN GRID	
A2E	2'x4 TROFFER EMERGENCY	COLUMBIA LIGHTING	LCAT24-LSCS-ELL14	LITHONIA LIGHTING	ELITE LIGHTING	LED	5346	3500 K	40	120 V	RECESSED IN GRID	
A3	2'x4' MEDIUM LUMENFLAT PANEL	COLUMBIA LIGHTING	NBT24-30L032G-SF-ED1-U	LITHONIA LIGHTING	ELITE LIGHTING	LED	3214	3000 K	23	120 V	RECESSED IN GRID	
A4	QUAD CORNER RECESSED	ARON LIGHTING	QUADT1-FSQ-ARW-BRW-CRW-DRW-500-B3-30K8-UNV-DM-W	--	ARON LIGHTING	LED	2000	3000 K	24	120 V	RECESSED IN GRID	
A4E	QUAD CORNER RECESSED EMERGENCY	ARON LIGHTING	QUADT1-FSQ-ARW-BRW-CRW-DRW-500-B3-30K8-UNV-DM-W-EM10W	--	ARON LIGHTING	LED	2000	3000 K	24	120 V	RECESSED IN GRID	
A5E	2'x4' HIGH LUMEN FLAT PANEL EMERGENCY	COLUMBIA LIGHTING	NBT24-30L048G-SF-ED1U-ELL14	LITHONIA LIGHTING	ELITE LIGHTING	LED	4697	3000 K	35	120 V	RECESSED IN GRID	
C2	RECEPTION CYLINDER PENDANT	DUNTON HOUSE	BUTTE-BK	PRIMA LIGHTING	VOLUME LIGHTING	(1) E26	1000	3000 K	8	120 V	PENDANT MOUNTED AT 8' AFF	6
C4	36" ROUND PENDANT	WESPORT LIGHTING	FORM-36-3000-80-36-UNV-STM/DM/08-COLOR	ANP LIGHTING	ELITE LIGHTING	LED	3762	3000 K	36	120 V	PENDANT MOUNTED AT 8' AFF	1
C6	DRUM CYLINDER PENDANT	CAMMAN LIGHTING	P3001-18-30K-CLY-1-FINISH	TEGAN LIGHTING	ELITE LIGHTING	LED	5450	3000 K	65	120 V	PENDANT MOUNTED AT 8' AFF	
C7	REED 2.0 CYLINDER PENDANT	LINDSLEY LIGHTING	LRD2.PN.10.30.10.WHS.60.WW.0-10V	SPECTRUM LIGHTING	3G LIGHTING	LED	1000	3000 K	8	120 V	PENDANT MOUNTED AT 8' AFF	
D3	4" DOWNLIGHT 1500LM	PRESCOLITE	LFR-4RD-M-15L30K8-XD-DM1-FINISH	LITHONIA LIGHTING	LIGHTOLIER	LED	1500	3000 K	12	120 V	RECESSED IN CEILING	
D3E	4" DOWNLIGHT 1500LM	PRESCOLITE	LFR-4RD-M-15L30K8-XD-DM1-EM-FINISH	LITHONIA LIGHTING	LIGHTOLIER	LED	1500	3000 K	12	120 V	RECESSED IN CEILING	
D4	4" DOWNLIGHT 3000LM	PRESCOLITE	LFR-4RD-M-30L30K8-WD-DM1-FINISH	LITHONIA LIGHTING	LIGHTOLIER	LED	3000	3000 K	33	120 V	RECESSED IN CEILING	
D4E	4" EMERGENCY DOWNLIGHT BATTERY BACKUP	PRESCOLITE	LFR-4RD-M-30L30K8-WD-DM1-EM-FINISH	LITHONIA LIGHTING	LIGHTOLIER	LED	3000	3000 K	33	120 V	RECESSED IN CEILING	
J1	4' STRIP	COLUMBIA LIGHTING	MPS4-30HL-CW-ED-U-FINISH	LITHONIA LIGHTING	ELITE LIGHTING	LED	6018	3000 K	38	120 V	PENDANT MOUNTED AT 7' AFF	
J1E	4' EMERGENCY STRIP BATTERY BACKUP	COLUMBIA LIGHTING	MPS4-30HL-CW-ED-U-ELL14H2-FINISH	LITHONIA LIGHTING	ELITE LIGHTING	LED	6018	3000 K	38	120 V	PENDANT MOUNTED AT 7' AFF	
J2	4' STRIP WALL MOUNTED	COLUMBIA LIGHTING	MPS4-30HL-CW-ED-U-FINISH	LITHONIA LIGHTING	ELITE LIGHTING	LED	6018	3000 K	38	120 V	WALL MOUNTED AT 7' AFF	
J3	4' STRIP	COLUMBIA LIGHTING	MPS4-30XW-CW-U-FINISH	LITHONIA LIGHTING	ELITE LIGHTING	LED	2560	3000 K	16	120 V	PENDANT MOUNTED AT 7' AFF	
L4	4' LINEAR	CURRENT LIGHTING	3L-NG-AD-4'-ASYM-C1-30K9-D075-D01-1C-UNV	NULITE	ELITE LIGHTING	LED	3000	3000 K	26	120 V	RECESSED IN GRID	4
L6	6' LINEAR	CURRENT LIGHTING	3L-NG-AD-6'-ASYM-C1-30K9-D075-D01-1C-UNV	NULITE	ELITE LIGHTING	LED	4500	3000 K	40	120 V	RECESSED IN GRID	4
L10	10' LINEAR	CURRENT LIGHTING	3L-NG-AD-10'-ASYM-C1-30K9-D075-D01-1C-UNV	NULITE	ELITE LIGHTING	LED	7500	3000 K	66	120 V	RECESSED IN GRID	4
L11	11' COVE LIGHT	CURRENT LIGHTING	4L-WS2-DW-D-11'-06-SOF-C1-30K9-300-D01-1C-UNV-SE-2EC	NULITE	FINELITE	LED	3168	3000 K	29	120 V	COVE MOUNTED	
L12	12' LINEAR	CURRENT LIGHTING	3L-NG-AD-12'-ASYM-C1-30K9-D075-D01-1C-UNV	NULITE	ELITE LIGHTING	LED	9000	3000 K	79	120 V	RECESSED IN GRID	4
L14	14' LINEAR	CURRENT LIGHTING	3L-NG-AD-14'-ASYM-C1-30K9-D075-D01-1C-UNV	NULITE	ELITE LIGHTING	LED	10500	3000 K	92	120 V	RECESSED IN GRID	4
LR	CURVED RECTANGULAR LINEAR	CORONET	LS2.CURVE.PAT.CUSTOM	LIGHTNET	TECHNOLED	LED	8400	3000 K	72	120 V	PENDANT MOUNTED AT 8' AFF	3
SC	VERTICAL VANITY SCONCE	DUNTON HOUSE	SWORD-24-FINISH	LITHONIA LIGHTING	TGS LIGHTING	LED	1750	3000 K	25	120 V	WALL MOUNTED VERTICALLY	2
X2	DUAL FACE THERMOPLASTIC EXIT SIGN	ISOLITE	RL-EM-R-U-WH-MTEB	LITHONIA LIGHTING	BEGHELLI	LED	--	--	6	120 V	CEILING MOUNTED	
X3	SINGLE FACE THERMOPLASTIC EXIT SIGN	ISOLITE	RL-EM-R-U-WH-MTEB	LITHONIA LIGHTING	BEGHELLI	LED	--	--	6	120 V	WALL MOUNTED AT 7' AFF	

LIGHT FIXTURE SCHEDULE NOTES:

1. MOUNT SO THAT BOTTOM OF FIXTURE IS FLUSH WITH THE BOTTOM OF SLATS. VERIFY MOUNTING HEIGHT WITH ARCHITECT.
2. VERIFY MOUNTING HEIGHT WITH ARCHITECT.
3. REFER TO LIGHTING PLANS FOR FIXTURE DIMENSIONS AND CURVE RADIUS. COORDINATE CAT # WITH LIGHT FIXTURE SHOP DRAWINGS.
4. LIGHTING DISTRIBUTION SHALL BE POINTED AWAY FROM WALL
5. FIXTURE HAS VARYING LENGTHS. SEE ARCHITECTURAL RCP AND DETAILS FOR EXACT LENGTHS. FIXTURE WATTAGE IS 7.5 W/FT AND LUMEN OUTPUT IS 850 LUMENS/FT.
6. PROVIDE E26 TYPE LED LIGHTBULB. VERIFY LIGHT BULB STYLE WITH ARCHITECT.

EQUIPMENT CONNECTION SCHEDULE

UNIT I.D.	VOLTS	# OF POLES	LOAD (VA)	BRANCH CIRCUIT WIRING	DISCONNECT	NOTES
MSCU-1	208 V	2	3561	2-#10 & 1-10(G) IN 3/4"C	NFDS: 30A / 2P / NEMA 3R	
DEHUMIDIFIER						
DH-1	120 V	1	996	2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	
DH-2	120 V	1	996	2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	
DH-3	120 V	1	996	2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	
DH-4	120 V	1	996	2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	
DUCTLESS MINI-SPLIT SYSTEMS						
MSAH-1	208 V	2	0	2-#10 & 1-10(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	1
EXHAUST FAN						
EF-1.1	120 V	1	180	2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	
EF-1.2	120 V	1	180	2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	
EF-1.3	120 V	1	180	2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	
EF-2.1	120 V	1	20	2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	
EF-2.2	120 V	1	20	2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	
HOT WATER RECIRCULATING PUMPS						
RCP	120 V	1	156	(E) 2-#12 & 1-12(G) IN 3/4"C	MOTOR RATED TOGGLE SWITCH	2
LAB EXHAUST FANS						
LEF-1.1	208 V	3	865	3-#12 & 1-12(G) IN 3/4"C	NFDS: 30A / 3P / NEMA 3R	
LEF-1.2	208 V	3	865	3-#12 & 1-12(G) IN 3/4"C	NFDS: 30A / 3P / NEMA 3R	
LEF-1.3	208 V	3	865	3-#12 & 1-12(G) IN 3/4"C	NFDS: 30A / 3P / NEMA 3R	

EQUIPMENT CONNECTION SCHEDULE NOTES:

1. INDOOR UNIT IS POWERED BY OUTDOOR UNIT.
2. BRANCH CIRCUIT WIRING IS FOR REFERENCE ONLY. MATCH EXISTING CONDUCTOR AND CONDUIT SIZE, VERIFY IN FIELD.

DAS KEYED NOTES

1. PROVIDE HEAD-END FOR IN-BUILDING RADIO ENHANCEMENT SYSTEM. PROVIDE WITH SECONDARY POWER SOURCE CAPABLE OF SUPPORTING SYSTEM AS REQUIRED PER NFPA 72 (10.6.10) AND (10.6.11.3).
2. PROVIDE CONDUIT TO ROOF. PROVIDE WEATHERHEAD.
3. PROVIDE IN-BUILDING PUBLIC SAFETY RADIO SYSTEM ANTENNA SUPPORTED TO WITHSTAND 140 MPH WIND. PROVIDE TVSS ON ANTENNA CABLE AND ISOLATE ANTENNA FROM LIGHTNING PROTECTION SYSTEM.
4. PROVIDE CONDUIT WITH CONTACT OUTPUTS FOR SUPERVISORY AND TROUBLE ALARMS TO BUILDING FIRE ALARM SYSTEM.
5. CONDUIT OR ARMORED CABLE. COORDINATE CONDUIT SIZE WITH CABLE PROVIDED.

DAS GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE A RADIO PATH SURVERY TO DETERMINE IF ANTENNAS ARE NEEDED ON EACH FLOOR AND LOCATE ANTENNAS ACCORDINGLY.
2. THE LOCATION OF THE BRANCH CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE CONTROL UNIT. THIS INFORMATION SHALL INCLUDE THE PANELBOARD AND CIRCUIT BREAKER SERVING THE DAS SYSTEM, AS WELL AS THE ROOM WHERE THE PANELBOARD IS LOCATED.

1 E002 DAS REPEATER DETAIL
NOT TO SCALE

LIGHTING CONTROL SCHEME SCHEDULE

CONTROL SCHEME	CONTROL TYPE DESCRIPTION
1	MANUAL ON/OFF BY WALL MOUNTED SWITCH. CONTROL.
4	ON/OFF BY WALL MOUNTED OCCUPANCY DIMMER SWITCH CONTROL MAINTAINED BY ROOM CONTROLLER.
5	MANUAL ON WITH WALL MOUNTED VACANCY SENSOR SWITCH. CONTROL MAINTAINED BY ROOM CONTROLLER.
6	MANUAL ON WITH CEILING MOUNTED VACANCY SENSOR(S) AND SINGLE WALL MOUNTED SWITCH. CONTROL MAINTAINED BY ROOM CONTROLLER.
7	MANUAL ON WITH CEILING MOUNTED VACANCY SENSOR(S) AND WALL MOUNTED DIMMER SWITCH(ES). CONTROL MAINTAINED BY ROOM CONTROLLER.
9	ON/OFF BY CEILING MOUNTED OCCUPANCY SENSOR WITH LOCAL DIMMER SWITCH. CONTROLS MAINTAINED BY ROOM CONTROLLER.
10	ON/OFF BY WALL MOUNTED OCCUPANCY SENSOR WITH LOCAL DIMMER SWITCH. CONTROLS MAINTAINED BY ROOM CONTROLLER.
11	ON/OFF BY CEILING MOUNTED OCCUPANCY SENSOR WITH LOCAL SWITCH. CONTROLS MAINTAINED BY ROOM CONTROLLER.
13	SCHEDULE ON/OFF DURING BUSINESS HOURS WITH AFTER-HOURS CEILING MOUNTED OCCUPANCY SENSOR OVERRIDE. SCHEDULE MAINTAINED BY LCP.
14	SCHEDULE ON/OFF DURING BUSINESS HOURS WITH AFTER-HOURS CEILING MOUNTED OCCUPANCY SENSOR CONTROL AND MANUAL SWITCH OVERRIDE. SCHEDULE CONTROL MAINTAINED BY LCP.

NOTES:

1. CONTROL SCHEME NUMBERS MAY NOT BE SEQUENTIAL; NOT ALL NUMBERS MAY BE PRESENT.
2. ROOM CONTROLLER BASIS OF DESIGN: WATT STOPPER LMRC-210 OR EQUAL
3. WALL MOUNTED SWITCH BASIS OF DESIGN: WATT STOPPER LMSW-101 OR EQUAL
4. WALL MOUNTED DIMMER SWITCH BASIS OF DESIGN: WATT STOPPER LMDM-100 OR EQUAL
5. WALL MOUNTED DUAL LEVEL SWITCH BASIS OF DESIGN: WATT STOPPER LMSW-102 OR EQUAL
6. WALL MOUNTED SCENE SWITCH BASIS OF DESIGN: WATT STOPPER LMSW OR EQUAL, WITH NECESSARY NUMBER OF SCENE BUTTONS, OR EQUAL
7. WALL MOUNTED, SINGLE LEVEL VACANCY SENSOR BASIS OF DESIGN: WATT STOPPER LMDV-101 OR EQUAL
8. WALL MOUNTED, DUAL LEVEL VACANCY SENSOR BASIS OF DESIGN: WATT STOPPER LMDV-102 OR EQUAL
9. CEILING MOUNTED OCCUPANCY/ VACANCY SENSOR BASIS OF DESIGN: WATT STOPPER LMDC-100 OR EQUAL
10. WALL MOUNTED OCCUPANCY/VACANCY SENSOR (NO SWITCH) BASIS OF DESIGN: WATT STOPPER LMPX-100 OR EQUAL
11. PHOTOSENSOR BASIS OF DESIGN: WATT STOPPER LMLS-400 OR EQUAL

LIGHT FIXTURE PLAN KEY

SHADING INDICATES EMERGENCY FIXTURE SUPPLIED WITH EMERGENCY BATTERY BACKUP.

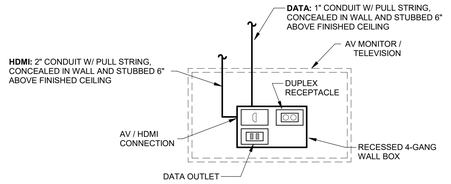


A1 = UPPERCASE LETTER / NUMBER INDICATE FIXTURE TYPE
d = LOWERCASE LETTER INDICATES SWITCH IDENTIFICATION
NL = INDICATES NON-SWITCHED "NIGHT LIGHT"
A:2 = DESIGNATES PANEL NAME: CIRCUIT NUMBER

ALL EMERGENCY FIXTURES INDICATED ON PLAN CONTAIN EMERGENCY BATTERY BACKUP. ALL EMERGENCY BACKUP FIXTURES REQUIRE AN EXTRA CONSTANT POWER CONDUCTOR TO BE CONNECTED TO THE EMERGENCY BACKUP FOR CHARGING. THIS CONDUCTOR MUST NOT BE CONTROLLED BY ANY LIGHTING SYSTEM OR HAVE POWER INTERRUPTED AT ANY TIME. "NL" FIXTURES SHALL HAVE ABSOLUTELY NO LIGHTING CONTROL AND SHALL BE OPERATIONAL AT ALL TIMES.

(#) LIGHT CONTROL SCHEME

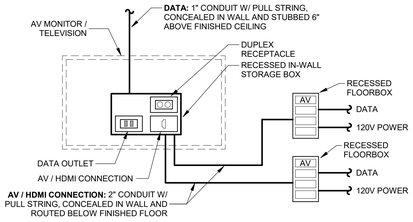
LIGHTING CONTROL SYMBOL CORRELATES WITH DESIRED CONTROL SCHEME AS INDICATED IN THE LIGHTING CONTROL SCHEME SCHEDULE.



MONITOR INSTALLATION NOTES:

1. ALL ELECTRICAL DEVICES SHALL BE CONCEALED FROM VIEW BEHIND WALL MONITOR.
2. COORDINATE FINAL LOCATION OF TV/MONITORS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
3. CONDUIT SHALL BE INSTALLED WITH LESS THAN 180° IN BENDS.
4. RECESSED 4-GANG WALL BOX BASIS OF DESIGN: LEGRAND MODEL EFSB4.

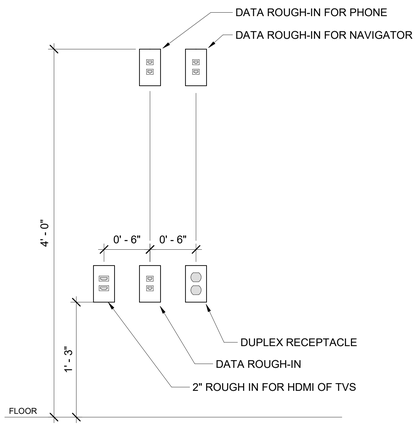
2 E002 AV MONITOR ROUGH-IN DETAIL
NOT TO SCALE



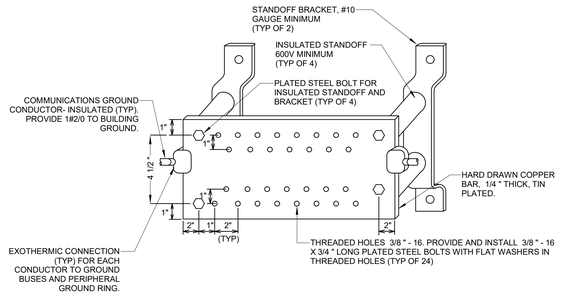
MONITOR INSTALLATION NOTES:

1. ALL ELECTRICAL DEVICES SHALL BE CONCEALED FROM VIEW BEHIND WALL MONITOR / TELEVISION.
2. COORDINATE FINAL LOCATION OF MONITORS / TELEVISIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
3. CONDUIT SHALL BE INSTALLED WITH LESS THAN 180° IN BENDS.
4. DEVICE HEIGHT SHALL BE APPROXIMATELY 84" AFF TO CENTER OF BOX UNLESS NOTED OTHERWISE.
5. RECESSED 4-GANG WALL BOX BASIS OF DESIGN: LEGRAND MODEL EFSB4.
6. RECESSED FLOORBOX BASIS OF DESIGN: LEGRAND RFBA4R30OG.

3 E002 TV ROUGH-IN DETAIL
NOT TO SCALE



4 E002 HGTC PODIUM ELECTRICAL LAYOUT
NOT TO SCALE



5 E002 TELECOMMUNICATIONS GROUND BUS BAR
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DWG #: 25050-00

SEALS



HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501 Conway, SC 29526

ISSUE DATE: 04/22/2026
PHASE: CD SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
C	03/02/2026	CONST DOCS

CHECKED BY: MHS
DRAWN BY: AMH

SHEET TITLE:

ELECTRICAL SCHEDULES & DETAILS

SHEET NO. E002
PROJ. NO. H59-6374-CB

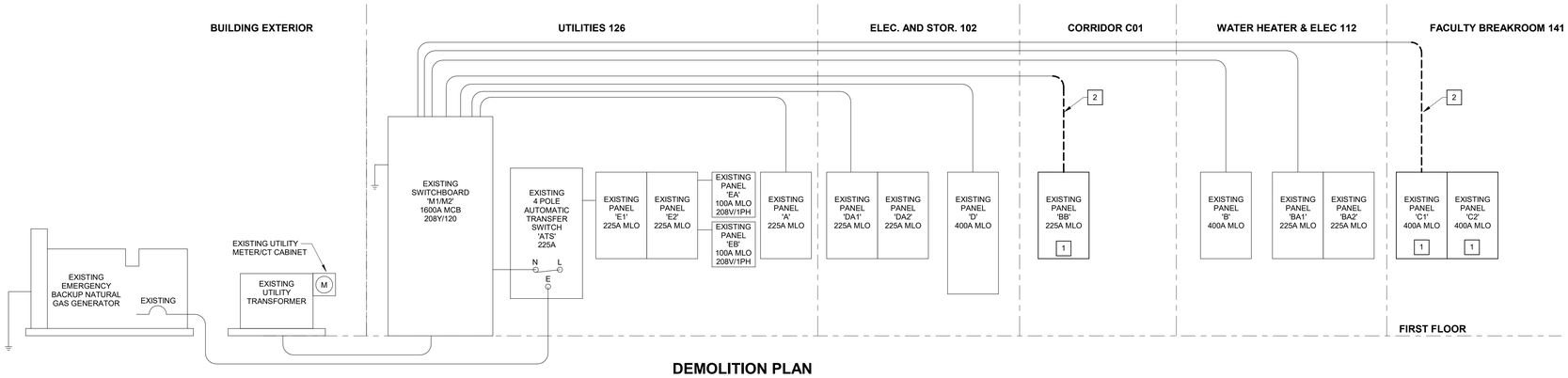
ONE-LINE DEMOLITION KEYNOTES

1. DISCONNECT AND STORE PANELBOARD DURING DEMOLITION PHASE FOR RELOCATION AND REINSTALLATION DURING RENOVATION PHASE.
2. DEMOLISH EXISTING CONDUIT TO ACCESSIBLE CEILING SPACE. CAP CONDUIT AND WIRING FOR EXTENSION TO THE NEW PANEL LOCATION.

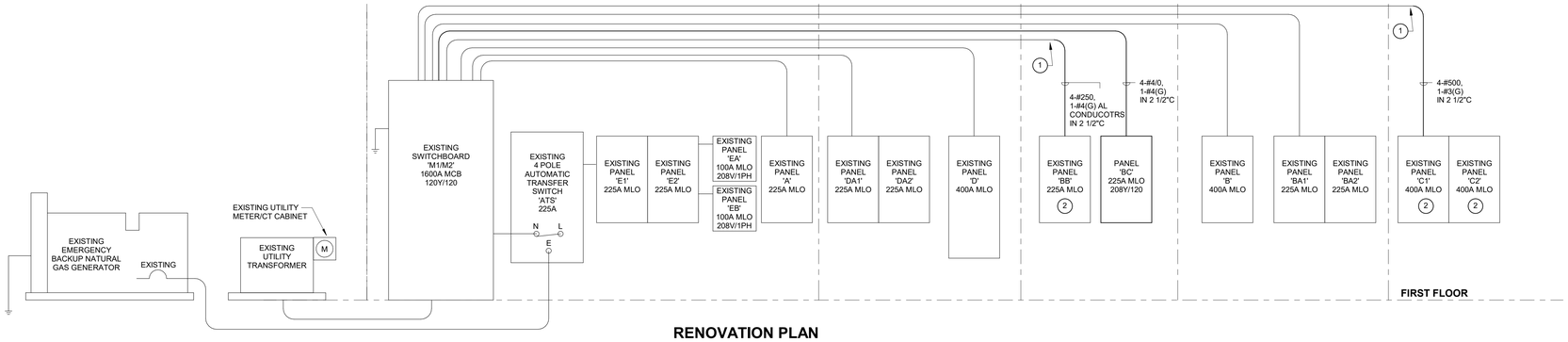
ONE-LINE RENOVATION KEYNOTES

(1) EXTEND FEEDER AND TERMINATE TO PANEL'S NEW LOCATION. MATCH EXISTING CONDUIT AND CONDUCTOR SIZES AND MATERIALS. CONDUCTOR AND CONDUIT SIZES INDICATED ARE BASED ON ASBUILTS AND SHALL BE VERIFIED IN FIELD.

(2) RELOCATE AND REINSTALL STORED PANELBOARD FROM THE DEMOLITION PHASE.



DEMOLITION PLAN



RENOVATION PLAN

1 / E010 ONE-LINE DIAGRAM
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SEALS

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SOUTH CAROLINA REGISTERED No.39922 04/22/2026 MAXWELL SIM

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501 Conway, SC 29526

ISSUE DATE: 04/22/2026
PHASE: CD SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
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CHECKED BY: MHS
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SHEET TITLE:
ELECTRICAL
ONE-LINE DIAGRAM

SHEET NO. E010
PROJ. NO. H59-6374-CB

EXISTING SWITCHBOARD SCHEDULE

NAME: M2 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
LOCATION: UTILITIES 126 | **PHASES:** 3 | **MAINS RATING:** 1600 A
SOURCE: (E) UTILITY TRANSFORMER | **WIRES:** 4 | **MAINS TYPE:** 1600 A MCB
MOUNTING: FLOOR | **ENCLOSURE:** EXISTING | EXISTING

CKT NO.	CIRCUIT DESCRIPTION	POLES	FRAME SIZE	TRIP RATING	LOAD
1	(E) A	3	250 A	225 A	255
2	(E)E1	3	250 A	200 A	360
3	(E)D	3	400 A	400 A	0
4	(E)DA1	3	250 A	225 A	2160
5	(E)BB	3	250 A	200 A	27180
6	(4*)BC	3	250 A	225 A	54300
7	(E)B	3	400 A	400 A	0
8	(E)BA1	3	250 A	225 A	4544
9	(E)C1	3	400 A	400 A	8630
				TOTAL CONNECTED LOAD:	97428
				TOTAL AMPS:	270 A

SERVICE LOAD CALCULATION

PANELBOARD CALCULATIONS ONLY INCLUDE ADDITIONAL LOADS FROM THE RENOVATION

((TOTAL ADDED LOAD + CALCULATED LIGHTING LOAD) - TOTAL DEMOLISHED LOAD) + TOTAL BUILDING LOAD BASED FROM ASBUILTS = SERVICE LOAD SUMMARY
((97428VA + 11830VA) - 100884VA) + 535020VA = **543394VA OR 1508.31A AT 208V 3 PHASE**

EXISTING PANELBOARD SCHEDULE

PANEL NAME: BB | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
LOCATION: CORRIDOR C01 | **PHASES:** 3 | **MAINS RATING:** 225 A
SOURCE: M2 | **WIRES:** 4 | **MAINS TYPE:** MAIN LUGS ONLY
MOUNTING: RECESSED | **ENCLOSURE:** TYPE 1 | **EXISTING PANEL:** GE A SERIES

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	(2*) (3*) RFAP	20 A	1	100 VA / 360 VA			1	20 A	(E) CORR. C02, SCI LAB 130	2
3	(2*) AUTOMATIC DOOR	20 A	1		100 VA / 360 VA		1	20 A	(E) SCI LAB 130	4
5	(2*) (1*) WATERCOOLER	20 A	1			1440 VA / 360 VA	1	20 A	(E) SCI LAB 130	6
7	(2*) REC - PTA OPEN LAB 106	20 A	1	720 VA / 180 VA			1	20 A	(2*) REC - SCI LAB 130 TABLE	8
9	(2*) DAS	20 A	1		100 VA / 100 VA		1	20 A	(2*) AUTOFLUSH FAMILY BATH 120	10
11	(2*) FUMEHOOD SCIENCE LAB 1 130	20 A	1			1440 VA / 1440 VA	1	20 A	(2*) FUMEHOOD SCIENCE LAB 2 132	12
13	(2*) FUMEHOOD SCIENCE LAB 3 134	20 A	1	1440 VA / 20 VA			1	20 A	(2*) HVAC - EF-3	14
15	(2*) HVAC - EF-4	20 A	1		20 VA / 1000 VA		1	20 A	(2*) DH-2	16
17	(2*) DH-3	20 A	1			1000 VA / 1000 VA	1	20 A	(2*) DH-4	18
19	(2*) DH-1	20 A	1	1000 VA / 900 VA			1	20 A	(2*) REC - SCI OFF 142,MOTHERS 147	20
21	(1*)(4*) WASHING MACHINE	15 A	1		1440 VA / 360 VA		1	20 A	(E) REC - CORR. C01	22
23	(1*)(4*) WASHING MACHINE	15 A	1			1440 VA / 360 VA	1	20 A	(E) REC - CORR. C01	24
25				290 VA / 360 VA			1	20 A	(E) REC - CORR. C01	26
27	(4*)LEF-1.1	15 A	3		290 VA / 0 VA		1	15 A	(4*)HVAC - EF-1.1,1.2,1.3	28
29						290 VA / 0 VA	1	20 A	(E) REC - 145	30
31				290 VA / 1000 VA			2	30 A	(1*)(4*) DRYER	32
33	(4*)LEF-1.2	15 A	3		290 VA / 1000 VA					34
35						290 VA / 1000 VA	2	30 A	(1*)(4*) DRYER	36
37				290 VA / 1000 VA						38
39	(4*)LEF-1.3	15 A	3		290 VA / 1780 VA		2	25 A	(4*)HVAC - MSCU-1	40
41						290 VA / 1780 VA				42
	TOTAL PHASE LOAD:			7941 VA	7122 VA	12117 VA				
	TOTAL PHASE CURRENT:			67 A	59 A	102 A				
	PANEL TOTALS									
	TOTAL ADDITIONAL LOAD: 27180 VA									
	TOTAL ADDITIONAL CURRENT: 75 A									

EXISTING PANELBOARD SCHEDULE

PANEL NAME: BA1 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
LOCATION: WATER HEATER & ELEC 112 | **PHASES:** 3 | **MAINS RATING:** 225 A
SOURCE: M2 | **WIRES:** 4 | **MAINS TYPE:** MAIN LUGS ONLY
MOUNTING: RECESSED | **ENCLOSURE:** TYPE 1 | **EXISTING PANEL:** GE A SERIES

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	(E) REC - PTA SKILLS LAB 106	20 A	1	360 VA / 0 VA			1	20 A	(E) LTG - RM130,140-142,145	2
3	(E) REC - PTA SKILLS LAB 106	20 A	1		360 VA / 1000 VA		1	20 A	(2*) LTG - CORRIDOR	4
5	(E) REC - RM126 -> SPARE	20 A	1			0 VA / 0 VA	1	20 A	(E) SPARE	6
7	(E) REC - PTA SKILLS LAB 106	20 A	1	720 VA / 0 VA			1	20 A	(E) SPARE	8
9	(2*) EMRGNCY SHWER/EYE WSH...	20 A	1		300 VA / 0 VA		1	20 A	(2*) SPARE	10
11	(2*) SPARE	20 A	1			0 VA / 540 VA	1	20 A	(E) REC - OTA STOR 111,OTAOFF 110	12
13	(2*) SPARE	20 A	1	0 VA / 0 VA			1	20 A	(2*) SPARE	14
15	(E) REC - RM126	20 A	1		0 VA / 0 VA		1	20 A	(E) LTG - RM127	16
17	(E) SPARE	20 A	1			0 VA / 0 VA	1	20 A	(E) LTG - RM126	18
19	(E) REC - SCI LAB 132	20 A	1	180 VA / 0 VA			1	20 A	(E) LTG - RM145, LCP-3 BA LT...	20
21	(2*) SPARE	20 A	1		0 VA / 0 VA		1	20 A	(E) LTG - RM145	22
23	(2*) SPARE	20 A	1			0 VA / 0 VA	1	20 A	(E) REC - RM149	24
25	(2*) SPARE	20 A	1	0 VA / 0 VA						26
27	(2*) SPARE	20 A	1		0 VA / 0 VA		3	20 A	(E) WASHER -> SPARE	28
29	(E) REC - SCI LAB 132	20 A	1			360 VA / 0 VA				30
31	(2*) SPARE	20 A	1	0 VA / 0 VA			1	20 A	(2*) SPARE	32
33	(E) REC	20 A	1		0 VA / 0 VA		1	20 A	(E) SPARE	34
35	(E) SCI LAB 130	20 A	1			360 VA / 0 VA	1	20 A	(2*) SPARE	36
	TOTAL PHASE LOAD:			1620 VA	1664 VA	1260 VA				
	TOTAL PHASE CURRENT:			14 A	14 A	11 A				
	PANEL TOTALS									
	TOTAL ADDITIONAL LOAD: 4544 VA									
	TOTAL ADDITIONAL CURRENT: 13 A									

EXISTING PANELBOARD SCHEDULE

PANEL NAME: DA1 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
LOCATION: ELEC. 102 | **PHASES:** 3 | **MAINS RATING:** 225 A
SOURCE: M2 | **WIRES:** 4 | **MAINS TYPE:** MAIN LUGS ONLY
MOUNTING: RECESSED | **ENCLOSURE:** TYPE 1 | **EXISTING PANEL:** GE A SERIES

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	(E) REC - EXISTING	20 A	1	0 VA / 0 VA			1	20 A	(E) REC - EXISTING	2
3	(2*) REC - SCI LAB 134 TABLE	20 A	1		180 VA / 0 VA		1	20 A	(E) REC - EXISTING	4
5	(2*) SPARE	20 A	1			0 VA / 0 VA	1	20 A	(E) REC - EXISTING	6
7	(E) REC - CORR C01	20 A	1	180 VA / 0 VA			1	20 A	(E) REC - EXISTING	8
9	(E) REC - EXISTING	20 A	1		180 VA / 0 VA		1	20 A	(E) REC - EXISTING	10
11	(E) REC - EXISTING	20 A	1			0 VA / 360 VA	1	20 A	(E) REC - PTA SKILLS 106,CORR C01	12
13	(E) REC - EXISTING	20 A	1	0 VA / 0 VA			1	20 A	(2*) SPARE	14
15	(E) REC - EXISTING	20 A	1		180 VA / 0 VA		1	20 A	(2*) SPARE	16
17	(E) REC - EXISTING	20 A	1			0 VA / 0 VA	1	20 A	(2*) SPARE	18
19	(E) REC - EXISTING	20 A	1	0 VA / 0 VA			1	20 A	(2*) SPARE	20
21	(E) WATER HEATER	30 A	2		0 VA / 0 VA		1	20 A	(2*) SPARE	22
23						0 VA / 0 VA	1	20 A	(E) SPARE	24
25	(E) LTG - 175,176	20 A	1	0 VA / 0 VA			1	20 A	(E) WATER HEATER	26
27	(E) LTG - 102,103,105,106	20 A	1		0 VA / 0 VA		1	20 A	(E) SIGN	28
29	(E) LTG - 107-110	20 A	1			0 VA / 0 VA	1	20 A	(E) SIGN	30
31	(E) LTG - 104	20 A	1	0 VA / 0 VA			1	20 A	(E) SIGN	32
33	(E) LTG - 115	20 A	1		0 VA / 0 VA		1	20 A	(E) SPARE	34
35	(E) LTG - 111,112,115,116	20 A	1			0 VA / 0 VA	1	20 A	(E) LCP-4 DA CONTROL	36
	TOTAL PHASE LOAD:			540 VA	900 VA	720 VA				
	TOTAL PHASE CURRENT:			5 A	8 A	6 A				
	PANEL TOTALS									
	TOTAL ADDITIONAL LOAD: 2160 VA									
	TOTAL ADDITIONAL CURRENT: 6 A									

PANELBOARD SCHEDULE

PANEL NAME: BC | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** 22,000
LOCATION: CORRIDOR C01 | **PHASES:** 3 | **MAINS RATING:** 225 A
SOURCE: M2 | **WIRES:** 4 | **MAINS TYPE:** MAIN LUGS ONLY
MOUNTING: RECESSED | **ENCLOSURE:** TYPE 1

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	(4*)REC - OTA SKILLS 115	20 A	1	540 VA / 720 VA			1	20 A	(1*) REC - SCIENCE LAB 1 130	2
3	(4*)(1*) REC - SCIENCE LAB 2 132	20 A	1		1440 VA / 1080 VA		1	20 A	(4*)REC - SCIENCE PREP 133	4
5	(4*)REC - PTA HEAD OFF 107, CORR...	20 A	1			900 VA / 900 VA	1	20 A	(4*)(1*)REC - SCIENCE LAB 3 134	6
7	(4*)REC - IT 105	20 A	1	1080 VA / 720 VA			1	20 A	(4*)REC - IT 105	8
9	(4*)REC - IT 105	20 A	2		1250 VA / 1250 VA					10
11						1250 VA / 1250 VA	2	20 A	(4*)REC - IT 105	12
13	(4*)REC - IT 105	20 A	2	1250 VA / 1250 VA						14
15					1250 VA / 1250 VA		2	20 A	(4*)REC - IT 105	16
17	(4*)REC - CONF 101, CORR C01	20 A	1			1440 VA / 900 VA	1	20 A	(4*)REC - CONF RM 101	18
19	(4*)REC - SERVER 127	20 A	1	180 VA / 180 VA			1	20 A	(4*)REC - SERVER 127	20
21	(4*)REC - SERVER 127	20 A	1		180 VA / 180 VA		1	20 A	(4*)REC - SERVER 127	22
23	(4*)REC - SERVER 127	20 A	2			1250 VA / 1250 VA				24
25				1250 VA / 1250 VA			2	20 A	(4*)REC - SERVER 127	26
27	(4*)REC - SERVER 127	20 A	2		1250 VA / 1250 VA					28
29						1250 VA / 1250 VA	2	20 A	(4*)REC - SERVER 127	30
31	(4*)REC - GENERAL CLASSROOM 128	20 A	1	720 VA / 900 VA			1	20 A	(4*)REC - GENERAL CLASSROOM 128	32
33	(4*)REC - GENERAL CLASSROOM 129	20 A	1		720 VA / 180 VA		1	20 A	(4*)REC - GENERAL CLASSROOM 129	34
35	(4*)REC - ADJUNCT OFF 140	20 A	1			1440 VA / 1440 VA	1	20 A	(4*)REC - PRINTER ADJUNCT OFF 140	36
37	(4*)REC - PTA SKILLS LAB 106	20 A	1	1080 VA / 1440 VA			1	20 A	(4*)REC - PRINTER OTA STOR 111	38
39	(4*)REC - OTA OFF 110,109	20 A	1		1440 VA / 720 VA		1	20 A	(4*)REC - PTA OFF 108	40
41	(4*)REC - PTA SKILLS LAB 106	20 A	1			1260 VA / 720 VA	1	20 A	(4*)REC - OTA CLASSROOM 104	42
43	(4*)REC - GENERAL CLASSROOM 128	20 A	1	540 VA / 720 VA			1	20 A	(4*)REC - GENRL CLASSRM 129,COR...	44
45	(4*)REC - PTA CLASSROOM 103	20 A	1		720 VA / 1080 VA		1	20 A	(4*)REC - RECEPTION 150,ADMIN 151	46
47	(4*)REC - LOBBY 100	20 A	1			720 VA / 1440 VA	1	20 A	(4*)REC - SCI OFF 143,144, STUDY...	48
49	(4*)DESKS - SCIENCE LAB 1 130	20 A	1	600 VA / 600 VA			1	20 A	(4*)DESKS - SCIENCE LAB 2 132	50
51	(4*)REC - SCIENCE PREP 131	20 A	1		1440 VA / 600 VA		1	20 A	(4*)DESKS - SCIENCE LAB 3 134	52
53	(4*)REC - FAC BREAKROOM 141	20 A	1			360 VA / 1440 VA	1	20 A	(4*)(1*) REC - MICROWAVE BREAK 141	54
55	(4*)(1*) REC - MICROWAVE BREAK 141	20 A	1	1440 VA / 100 VA			1	20 A	(4*)(3*) FACP	56
57	(4*)SPARE	20 A	1		0 VA / 0 VA		1	20 A	(4*)SPARE	58
59	(4*)SPARE	20 A	1			0 VA / 0 VA	1	20 A	(4*)SPARE	60
61	(4*)SPARE	20 A	1	0 VA / 0 VA			1	20 A	(4*)SPARE	62
63	(4*)SPARE	20 A	1		0 VA / 0 VA		1	20 A	(4*)SPARE	64
65	(4*)SPARE	20 A	1			0 VA / 0 VA	1	20 A	(4*)SPARE	66
67	(4*)SPARE	20 A	1	0 VA / 0 VA			1	20 A	(4*)SPARE	68
69	(4*)SPARE	20 A	1		0 VA / 0 VA		1	20 A	(4*)SPARE	70
71	(4*)SPARE	20 A	1			0 VA / 0 VA	1	20 A	(4*)SPARE	72
	TOTAL PHASE LOAD:			16560 VA	17280 VA	20460 VA				
	TOTAL PHASE CURRENT:			138 A	145 A	171 A				

LOAD TYPE	CONNECTED LOAD	DIVERSITY FACTOR	DIVERSIFIED LOAD	LOAD TYPE	CONNECTED LOAD	DIVERSITY FACTOR	DIVERSIFIED LOAD
RECEPTACLE	51320	10000+0.5(RCPT CONN.-10000)	30660	LIGHTING			
KITCHEN				ELEVATORS			
HVAC				MOTOR			
OTHER	2980	100.00%	2980				

PANEL TOTALS
TOTAL CONNECTED LOAD: 54300 VA | **TOTAL DIVERSIFIED LOAD:** 33640 VA
TOTAL CONNECTED CURRENT: 151 A | **TOTAL DIVERSIFIED CURRENT:** 93 A

EXISTING PANELBOARD SCHEDULE

PANEL NAME: A | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
LOCATION: UTILITIES 126 | **PHASES:** 3 | **MAINS RATING:** 225 A
SOURCE: M2 | **WIRES:** 4 | **MAINS TYPE:** MAIN LUGS ONLY
MOUNTING: SURFACE | **ENCLOSURE:** TYPE 1 | **EXISTING PANEL:** GE A SERIES

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	(E) AHU-20	50 A	2	0 VA / 0 VA			1	20 A	(E) FMM 200 SERVER RM?	2
3					0 VA / 0 VA		1	20 A	(E) LTG - 151,152	4
5	(E) HP-20	40 A	2			0 VA / 0 VA	1	20 A	(E) LTG - BATHROOMS	6
7				0 VA / 80 VA			1	20 A	(2*) LTG - IT STORAGE, DELIVERY	8
9	(E) HP-20	60 A	2		0 VA / 0 VA		1	20 A	(E) LTG - 149-152	10
11						0 VA / 0 VA	1	20 A	(E) LTG - 163,164	12
13				0 VA / 0 VA			1	20 A	(E) REC - 157	14
15	(E) HP-8	80 A	3		0 VA / 0 VA		1	20 A	(E) REC - 157	16
17						0 VA / 0 VA	1	20 A	(E) REC - 157	18
19	(E) HP-17	60 A	2	0 VA / 0 VA			1	20 A	(E) REC - 156	20
21					0 VA / 0 VA		1	20 A	(E) REC - TOILETS	22
23	(E) MINI SPLIT	30 A	2			0 VA / 180 VA	1	20 A	(1*) EW COOLER	24
25				0 VA / 0 VA			1	20 A	(E) REC - VENDING	26
27	(E) WATER HEATER	30 A	2		0 VA / 0 VA		1	20 A	(E) REC - VENDING	28
29						0 VA / 0 VA	1	20 A	(E) REC	30
31	(E) WATER HEATER	30 A	2	0 VA / 0 VA			1	20 A	(E) TOILETS	32
33					0 VA / 0 VA		1	20 A	(E) LTG - 154	34
35	(E) RECIRC H.W. PUMP	20 A	1			0 VA / 0 VA	1	20 A	(E) SPARE	36
37				0 VA / 0 VA						38
39	(E) AHU-24	40 A	3		0 VA / 0 VA		3	40 A	(E) HP-24	40
41						0 VA / 0 VA				42
	TOTAL PHASE LOAD:			75 VA	0 VA	180 VA				
	TOTAL PHASE CURRENT:			1 A	0 A	2 A				
	PANEL TOTALS									
	TOTAL ADDITIONAL LOAD: 255 VA									
	TOTAL ADDITIONAL CURRENT: 1 A									

EXISTING PANELBOARD SCHEDULE

PANEL NAME: C1 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
LOCATION: CORRIDOR C04 | **PHASES:** 3 | **MAINS RATING:** 400 A
SOURCE: M2 | **WIRES:** 4 | **MAINS TYPE:** MAIN LUGS ONLY
MOUNTING: RECESSED | **ENCLOSURE:** TYPE 1 | **EXISTING PANEL:** GE A SERIES

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
1	(2*) LTG - CORRIDOR	20 A	1	1320 VA / 0 VA						2
3	(2*) LTG - LOBBY	20 A	1		790 VA / 0 VA		3	50 A	(E) C1: AHU-17	4
5	(2*) LTG - STUDY AREA	20 A	1			270 VA / 0 VA				6
7	(E) C1: LTG - RM 167	20 A	1	0 VA / 0 VA			1	20 A	(E) C1: REC 404	8
9	(E) C1: LTG - RM 166	20 A	1		0 VA / 0 VA		2	50 A	(E) C1: AHU-6	10
11	(E) C1: REC - RM 123	20 A	1			0 VA / 0 VA				12
13	(E) C1: REC - EXISTING	20 A	1	0 VA / 0 VA						14
15	(E) C1: REC - EXISTING	20 A	1		0 VA / 0 VA		3	80 A	(E) C1: HP-7	16
17	(E) C1: REC - CLASRM 129	20 A	1			180 VA / 0 VA				18
19	(E) C1: REC - CLASRM 129	20 A	1	180 VA / 0 VA						20
21	(2*) SPARE	20 A	1		0 VA / 0 VA		2	15 A	(E) C1: HP-5	22
23	(2*) SPARE	20 A	1			0 VA / 0 VA				24
25	(E) C1: REC - CONF 101,STOR 135,S...	20 A	1	540 VA / 0 VA			2	50 A	(E) C1: HP-4	26
27	(E) C1: REC - CLASRM 129	20 A	1		180 VA / 0 VA					28
29	(2*) SPARE	20 A	1			0 VA / 0 VA	1	20 A	(E) C1: REC - RM 168	30
31	(2*) SPARE	20 A	1	0 VA / 180 VA			1	20 A	(1*) C1: DRINKING FOUNTAIN	32
33	(E) C1: REC - CLASRM 129	20 A	1		180 VA / 180 VA		1	20 A	(E) C1: REC - EXTERIOR	34
35	(2*) LCP	20 A	1			100 VA / 0 VA	1	20 A	(E) C1: BATHROOM GFCI REC	36
	TOTAL PHASE LOAD:			3377 VA	3105 VA	2148 VA				
	TOTAL PHASE CURRENT:			29 A	27 A	18 A				
	PANEL TOTALS									
	TOTAL ADDITIONAL LOAD: 8630 VA									
	TOTAL ADDITIONAL CURRENT: 24 A									

EXISTING PANELBOARD SCHEDULE

PANEL NAME: C2 | **VOLTS:** 120/208 Wye | **A.I.C. RATING:** EXISTING
LOCATION: CORRIDOR C04 | **PHASES:** 3 | **MAINS RATING:** 400 A
SOURCE: C1 | **WIRES:** 4 | **MAINS TYPE:** MAIN LUGS ONLY
MOUNTING: RECESSED | **ENCLOSURE:** TYPE 1 | **EXISTING PANEL:** GE A SERIES

CKT NO.	CIRCUIT DESIGNATION	TRIP	POLES	A	B	C	POLES	TRIP	CIRCUIT DESIGNATION	CKT NO.
37	(E) REC - SCI PREP 133,SCI LAB 132	20 A	1	180 VA / 0 VA			1	20 A	(E) C2: REC RM 123	38
39	(4*)(1*) REC - REFRIGERATOR	20 A	1		800 VA / 0 VA		1	20 A	(E) C2: LCP-2 C CONTROL	40
41	(4*)(1*) REC - REFRIGERATOR	20 A	1			800 VA / 0 VA	1	20 A	(E) C2: SPARE	42
43	(4*)(1*) REC - REFRIGERATOR	20 A	1	800 VA / 0 VA			1	20 A	(E) C2: TIME CLOCK	44
45	(4*)(1*) REC - REFRIGERATOR	20 A	1		800 VA / 0 VA		1	20 A	(E) C2: REC RM 404	46
47	(1*) REC - REFRIGERATOR	20 A	1			800 VA / 0 VA	1	20 A	(E) C2: REC RM 404	48
49	(E) REC - CLASRM 129	20 A	1	180 VA / 0 VA			1	20 A	(E) C2: REC RM 404	50
51	(E) REC - CLASRM 129	20 A	1		180 VA / 0 VA		1	20 A	(E) C2: REC RM 404	52
53	(E) C2: REC - RM 404	20 A	1			0 VA / 0 VA	1	20 A	(E) C2: LED WELLPACK	54
55	(E) C2: SPARE	20 A	1	0 VA / 0 VA						56
57	(E) C2: HP-22	25 A	2		0 VA / 0 VA		3	40 A	(E) C2: HP-23	58
59						0 VA / 0 VA				60
61	(E) C2: AHU-22	25 A	3	0 VA / 0 VA						62
63					0 VA / 0 VA		3	40 A	(E) C2: HP-23	64
65						0 VA / 0 VA				66
	TOTAL PHASE LOAD:			1160 VA	1780 VA	1600 VA				
	TOTAL PHASE CURRENT:			10 A	15 A	14 A				
	PANEL TOTALS									
	TOTAL ADDITIONAL LOAD: 4540 VA									
	TOTAL ADDITIONAL CURRENT: 13 A									

PANEL SCHEDULE GENERAL NOTES

1. EXISTING PANEL SCHEDULES WERE BASED ON ASBUILTS AND VISUAL OBSERVATIONS AND MUST BE VERIFIED IN FIELD.

PANEL SCHEDULE NOTES

(1*) PROVIDE GFCI TYPE CIRCUIT BREAKER.
(2*) REUSE EXISTING CIRCUIT BREAKER.
(3*) PROVIDE CIRCUIT BREAKER WITH A RED FIRE ALARM CIRCUIT BREAKER LOCKOUT KIT THAT PERMANENTLY IDENTIFIES CIRCUIT AS "FIRE ALARM".
(4*) PROVIDE NEW BREAKER.

PANEL SCHEDULE KEY		
(E) M2	BC	
(E) BB	(E) A	
(E) BA1	(E) C1	
(E) DA1	(E) C2	

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mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

DWG CONSULTING ENGINEERS EMPLOYEE OWNED
1009 Anna Knapp Blvd., Suite 200
Mt. Pleasant, SC 29464
843-849-1141
DWG #: 25050-00

SEALS

DWG, INC. CONSULTING ENGINEERS No.C03649 — SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA No.39922 04/22/2026 MAXWELL SIM

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 04/22/2026
PHASE: CD SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
C	03/02/2026	CONST DOCS

CHECKED BY: MHS
DRAWN BY: AMH

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

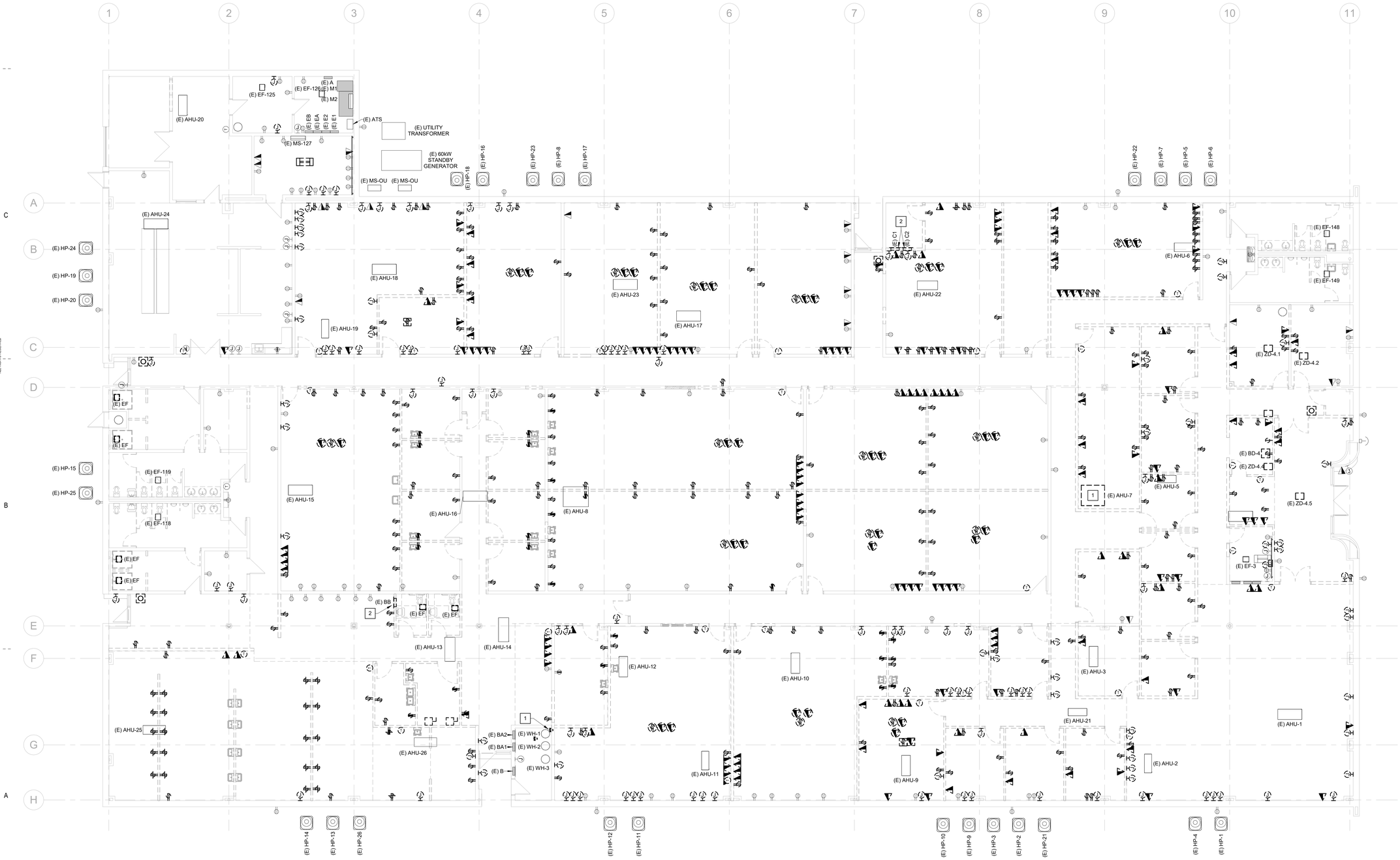
SHEET NO. E050
PROJ. NO. H59-6374-CB

DEMOLITION KEYNOTES

1. DISCONNECT AND CAP WIRING FOR RE-USE DURING RENOVATION PHASE.
2. REMOVE EXISTING ELECTRICAL PANELBOARD AND STORE IN A SECURE LOCATION FOR REINSTALLATION DURING THE RENOVATION PHASE. PROTECT EQUIPMENT FROM DAMAGE, MOISTURE, AND DEBRIS DURING STORAGE.

GENERAL NOTES

1. WHERE DEVICES ARE REMOVED IN WALLS THAT ARE EXISTING TO REMAIN, PATCH WALL TO MATCH EXISTING FINISH.
2. MAINTAIN CIRCUIT CONTINUITY FOR CIRCUITS WHERE DEVICES ARE DEMOLISHED BUT THE ENTIRE CIRCUIT IS NOT.



1 ED101 LEVEL 01 - POWER & TELECOM DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE
0 4' 8' 16' 32'
Scale: 1/8" = 1'-0"

PROJECT NORTH
TRUE NORTH

mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

DWG CONSULTING ENGINEERS
EMPLOYEE OWNED
1009 Anna Knapp Blvd., Suite 200
Mt. Pleasant, SC 29464
843-849-1141
DWG #: 25050-00

SEALS

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
DWG, INC. CONSULTING ENGINEERS No.C03649

SOUTH CAROLINA No.399225 04/22/2026 MAXWELL SIM

HORRY-GEORGETOWN TECHNICAL COLLEGE

RENOVATION OF CONWAY BUILDING 5100

Agency Review ID: H59-6374-CB

2451 US-501, Conway, SC 29526

ISSUE DATE: 04/22/2026
PHASE: CD SET

SHEET ISSUE:

NO.	DATE	DESCRIPTION
C	03/02/2026	CONST DOCS

CHECKED BY: MHS
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SHEET TITLE:
LEVEL 1 POWER & TELECOM DEMOLITION PLAN

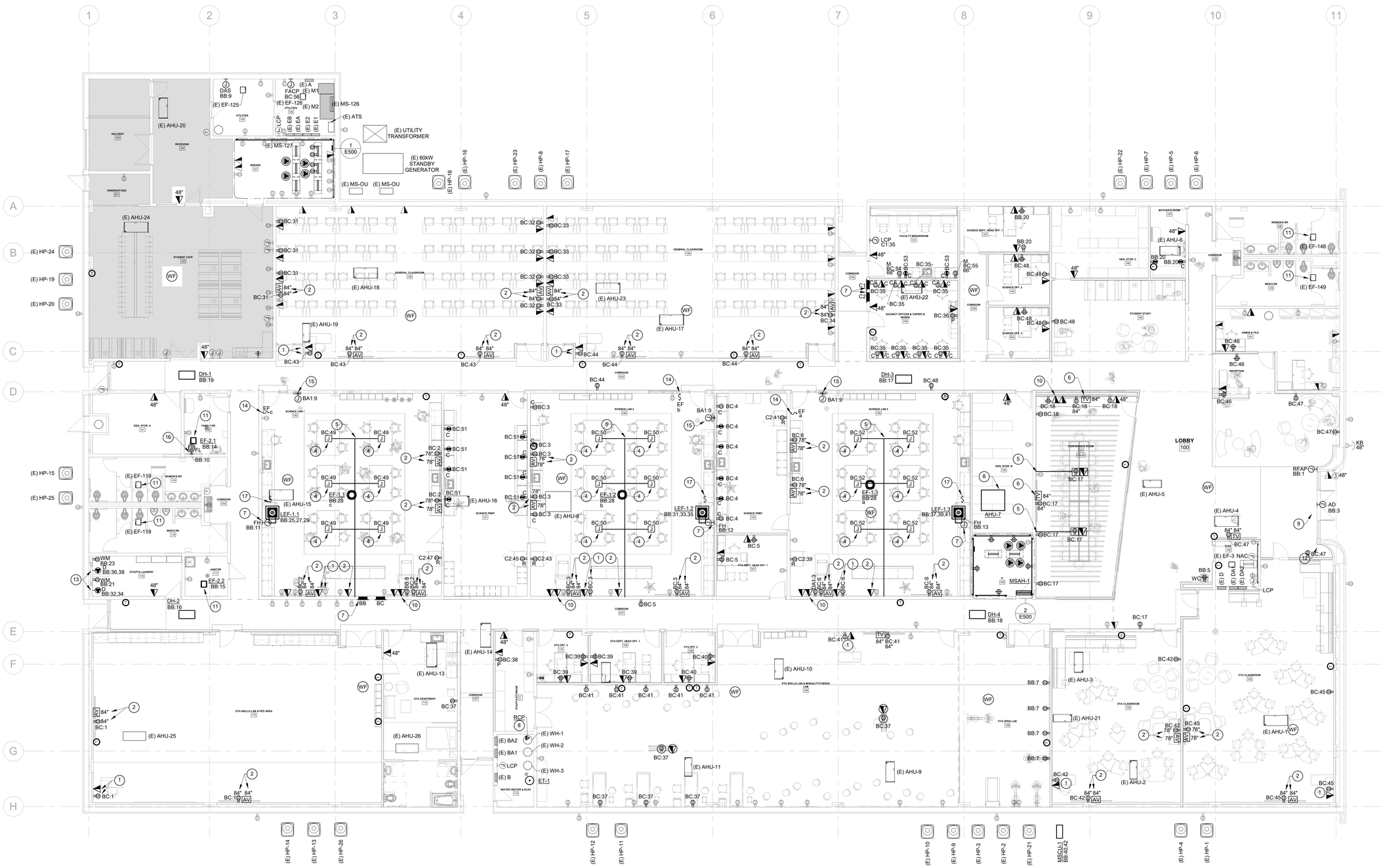
SHEET NO. ED101
PROJ. NO. H59-6374-CB

RENOVATION KEYNOTES

1. PROVIDE (1) DUPLEX RECEPTACLE AND (3) DATA OUTLETS AS SHOWN IN "HGTC PODIUM ELECTRICAL LAYOUT" DETAIL.
2. ROUGH-IN AV OUTLET BEHIND DESK. PROVIDE CONDUIT TO AV OUTLET. REFER TO 'AV ROUGH-IN DETAIL' FOR MORE INFORMATION. COORDINATE LOCATION OF AV ROUGH-IN BEHIND DESK WITH OWNER.
3. PROVIDE ONE NEMA L6-30R. PROVIDE 2#10 & 1#10G IN 3/4" CONDUIT.
4. FLOOR JUNCTION BOX FOR POWER TO DESK. COORDINATE FINAL LOCATION WITH ARCHITECT.
5. APPROXIMATE ROUTING FOR TRENCHING OF CONDUIT. COORDINATE FINAL LOCATION WITH ARCHITECT.
6. ROUGH-IN TV OUTLET. PROVIDE CONDUIT TO FLOOR BOX. REFER TO 'TV ROUGH-IN DETAIL' FOR MORE INFORMATION.
7. REINSTALL PREVIOUSLY REMOVED PANELBOARD AT NEW LOCATION AS INDICATED. MODIFY AND EXTEND EXISTING CIRCUITS AS REQUIRED.
8. MODIFY AND EXTEND EXISTING WIRING AND CONDUIT AS NECESSARY. MATCH EXISTING CONDUIT AND CONDUCTORS AND EXTEND TO NEW LOCATION.
9. CONFIRM FINAL LOCATION WITH FIRE ALARM SHOP DRAWINGS.
10. PROVIDE (1) 2" CONDUIT, STUBBED UP TO CEILING.
11. EXHAUST FANS SHALL BE CONTROLLED WITH THE LIGHTING IN THE ROOM.
12. PROVIDE ADA COMPLIANT DOOR ASSEMBLY. COORDINATE FINAL LOCATION OF ADA COMPLIANT DOOR ACTUATOR AND JUNCTION BOX WITH ARCHITECT.
13. PROVIDE A NEMA 14-30R. PROVIDE 2-#10, 1-#10(G), IN 3/4"C AND A 30A BREAKER FOR EACH.
14. PROVIDE ADEQUITE SIGNAGE STATING: "ROOM EXHAUST; NORMALLY OFF. TURN ON WHEN ADDITIONAL EXHAUST IS REQUIRED."
15. VERIFY FINAL HEIGHT AND LOCATION OF JUNCTION BOX WITH EMERGENCY EYE WASH AND SHOWER SHOP DRAWINGS.
16. PROVIDE 120V TO AUTOMATIC FLUSH POWER SUPPLY ABOVE CEILING OR ADJACENT ACCESSIBLE CEILING SPACE. COORDINATE EXACT FINAL CONNECTION LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE ALL CONNECTIONS AND LOW VOLTAGE WIRING PER MANUFACTURER'S RECOMMENDATIONS TO PROVIDE A COMPLETE WORKING SYSTEM.
17. PROVIDE MOTOR-RATED 3-POLE SWITCH FOR MANUAL OPERATION OF LAB EXHAUST FAN. PROVIDE FINAL CONNECTION TO LAB EXHAUST HOOD. VERIFY FINAL HEIGHT AND LOCATION WITH ARCHITECT.

GENERAL NOTES

1. SHADED REGIONS ARE NOT IN SCOPE OF WORK.
2. UNLESS NOTED OTHERWISE, NEW RECEPTACLES IN RENOVATED SPACES SHALL BE SERVED FROM EXISTING CIRCUIT WIRE AND CONDUIT. MODIFY AND EXTEND EXISTING RECEPTACLE CIRCUITS TO SERVE NEW RECEPTACLES IN NEW LOCATIONS. TOTAL NUMBER OF RECEPTACLES SERVED FROM MODIFIED EXISTING CIRCUITS SHALL NOT EXCEED TEN DUPLEX RECEPTACLES.
3. EXISTING RECEPTACLES SHOWN WITH A CIRCUIT SHALL BE VERIFIED IN FIELD.



1 LEVEL 01 - POWER & TELECOM PLAN
E101 SCALE: 1/8" = 1'-0"

GRAPHIC SCALE
0 4' 8' 16' 32'
Scale: 1/8" = 1'-0"

PROJECT NORTH
TRUE NORTH

mcmillan pazdan smith ARCHITECTURE

CONSULTANT LOGO

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DWG #: 25050-00

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SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER
No.39922
04/22/2026
MAXWELL SIM

HORRY-GEORGETOWN TECHNICAL COLLEGE
RENOVATION OF CONWAY BUILDING 5100
Agency Review ID: H59-6374-CB
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LEVEL 1 POWER & TELECOM PLAN

SHEET NO. E101
PROJ. NO. H59-6374-CB

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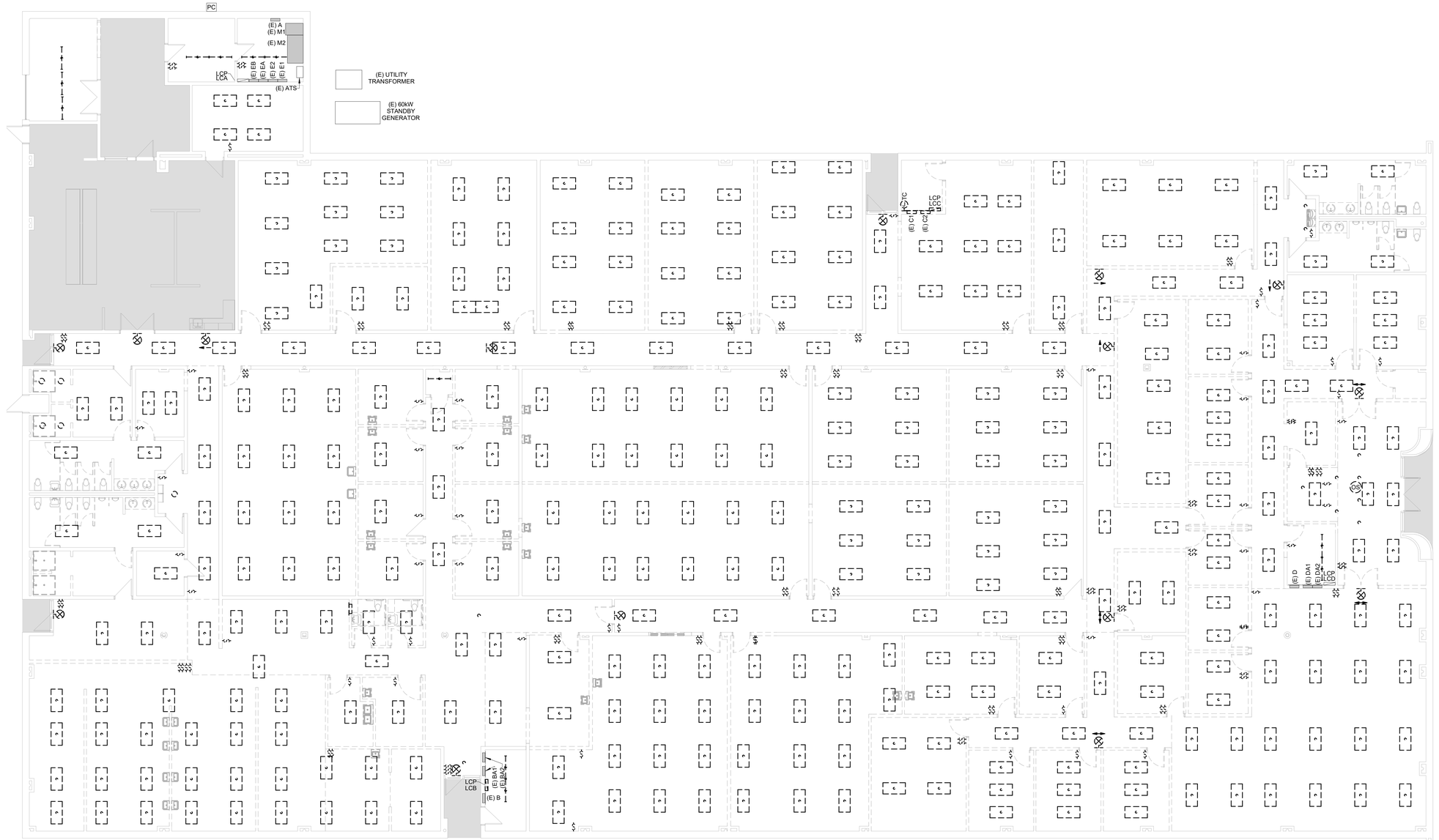
GENERAL NOTES

1. MAINTAIN CIRCUIT CONTINUITY FOR CIRCUITS WHERE DEVICES ARE DEMOLISHED BUT THE ENTIRE CIRCUIT IS NOT.
2. WHERE DEVICES ARE REMOVED IN WALLS THAT ARE EXISTING TO REMAIN, PATCH WALL TO MATCH EXISTING FINISH.
3. EXISTING LIGHTING CONTROLS MAY NOT BE MODELED, BUT SHALL BE DEMOLISHED IF ASSOCIATED LIGHT FIXTURES THAT ARE CONTROLLED ARE DEMOLISHED.
4. SHADED REGIONS ARE NOT IN SCOPE OF WORK.
5. CIRCUITS SHALL BE CAPPED AND REMAIN TO BE RECONNECTED TO NEW LIGHT FIXTURES DURING RENOVATION PHASE.



1 ED201 LEVEL 01 - LIGHTING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE
0 4' 8' 16' 32'
Scale: 1/8" = 1'-0"

PROJECT NORTH
TRUE NORTH

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DWG #: 25050-00

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SHEET TITLE:
LEVEL 1 LIGHTING DEMOLITION PLAN

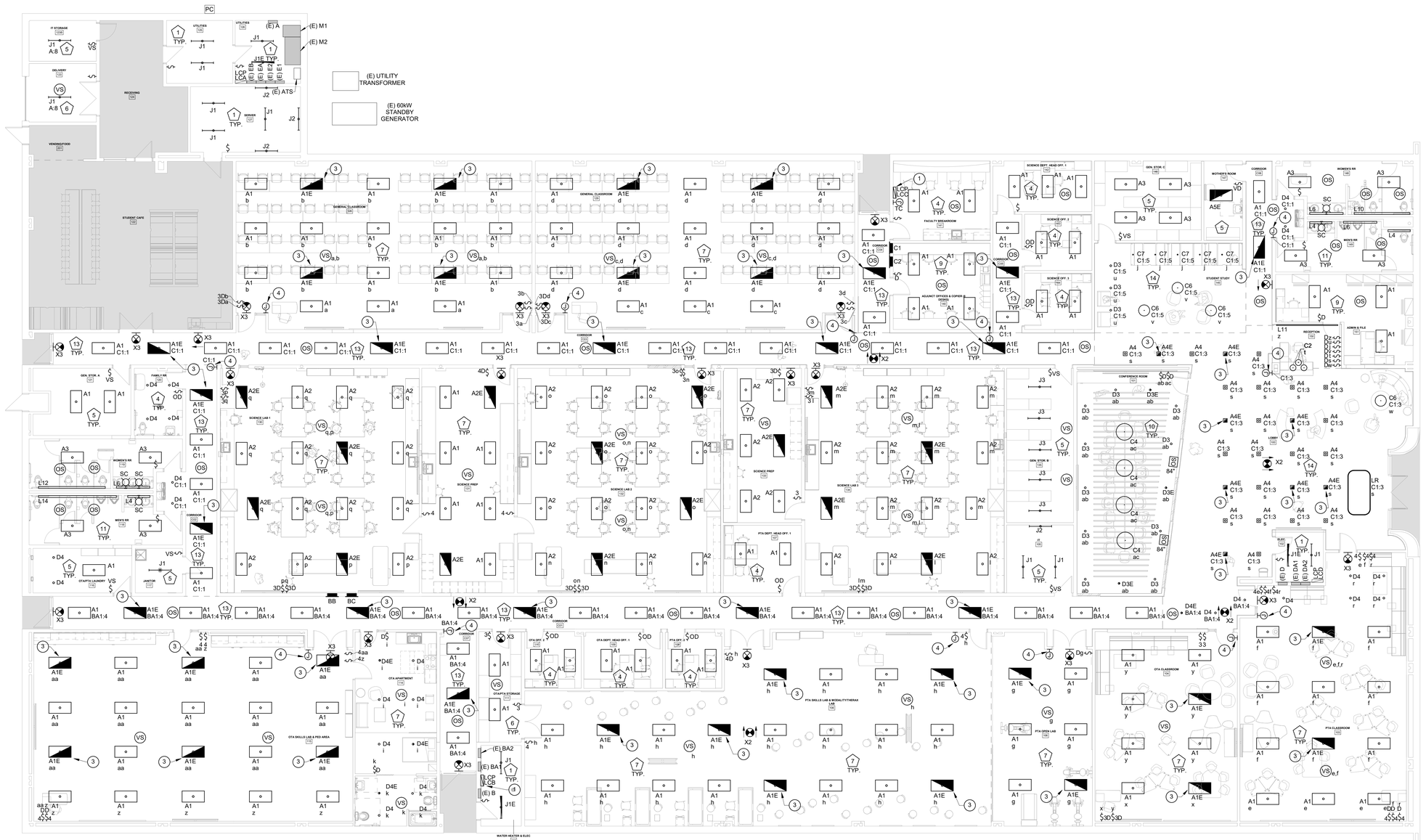
SHEET NO. ED201
PROJ. NO. H59-6374-CB

RENOVATION KEYNOTES

1. LIGHTING CONTROL PANEL SHALL HAVE AT LEAST (4) FIELD CONFIGURABLE RELAY CIRCUITS, AN INTERNAL DIGITAL TIME CLOCK, AND CAPABILITIES OF INPUT OVERRIDE FROM OCCUPANCY SENSORS. BASIS OF DESIGN: ACUITY NLIGHT ARP INTENC08 NLT 4FCR MVOLT HLK SM DTC.
2. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND LENGTH.
3. PROVIDE FINAL CONNECTION FROM ROOM INVERTER. COORDINATE FIXTURE POWER AND LIGHTING CONTROLS WITH INVERTER SHOP DRAWINGS.
4. PROVIDE INVERTER. BASIS OF DESIGN: ISOLITE E3U MICRO-INVERTER. INVERTER SHALL BE POWERED FROM THE DESIGNATED ROOM LIGHTING BRANCH CIRCUIT AHEAD OF ANY SWITCHING DEVICES UNLESS OTHERWISE NOTED. MOUNT INVERTER ABOVE CEILING IN AN ACCESSIBLE LOCATION. INSTALL MICRO-INVERTER TEST SWITCH ABOVE DOOR FOR ROOMS AND IN SIGHT OF ALL ASSOCIATED LIGHT FIXTURES FOR CORRIDORS. VERIFY FINAL LOCATION WITH ARCHITECT AND ENGINEER.

GENERAL NOTES

1. SHADED REGIONS ARE NOT IN SCOPE OF WORK.
2. NEW LIGHT FIXTURES SHALL BE CONNECTED TO LOCAL EXISTING LIGHTING CIRCUITS. EXISTING CIRCUITS FED FROM PANELS E1,E2,EA, AND EB SHALL NOT BE UTILIZED FOR NEW LIGHT FIXTURES. MODIFY AND EXTEND EXISTING WIRING AND CONDUIT AS NECESSARY. PANEL SCHEDULES SHALL BE UPDATED AND SHALL SHOW THE ACCURATE CIRCUIT LAYOUT. NO SINGLE LIGHTING CIRCUIT SHALL EXCEED 1200VA.
3. WIRE EMERGENCY LIGHTING AND EXIT SIGNS AHEAD OF ALL LIGHTING CONTROLS.
4. EXISTING LIGHTING CONTROL CIRCUITS FOR NEW LIGHT FIXTURES SHALL BE BYPASSED AT THE ASSOCIATED EXISTING LIGHTING CONTROL PANEL.



1 E201 LEVEL 01 - LIGHTING PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE 0 4' 8' 16' 32'
Scale: 1/8" = 1'-0"
PROJECT NORTH
TRUE NORTH

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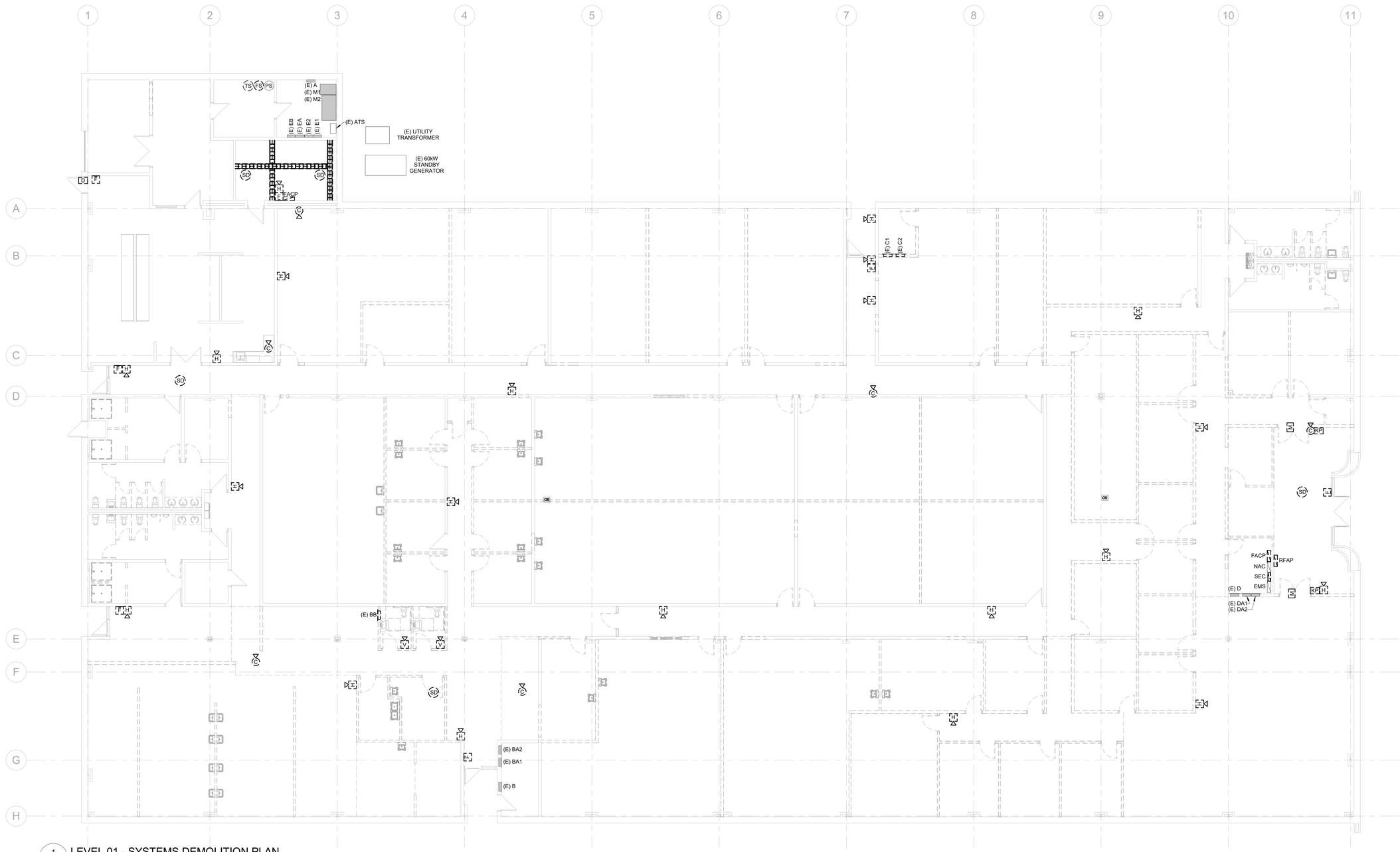
LEVEL 1 LIGHTING PLAN

SHEET NO. E201
PROJ. NO. H59-6374-CB

GENERAL NOTES

1. MAINTAIN CIRCUIT CONTINUITY FOR CIRCUITS WHERE DEVICES ARE DEMOLISHED BUT THE ENTIRE CIRCUIT IS NOT.
2. WHERE DEVICES ARE REMOVED IN WALLS THAT ARE EXISTING TO REMAIN, PATCH WALL TO MATCH EXISTING FINISH.



1 ED301 LEVEL 01 - SYSTEMS DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE
0 4' 8' 16' 32'
Scale: 1/8" = 1'-0"

PROJECT NORTH
TRUE NORTH

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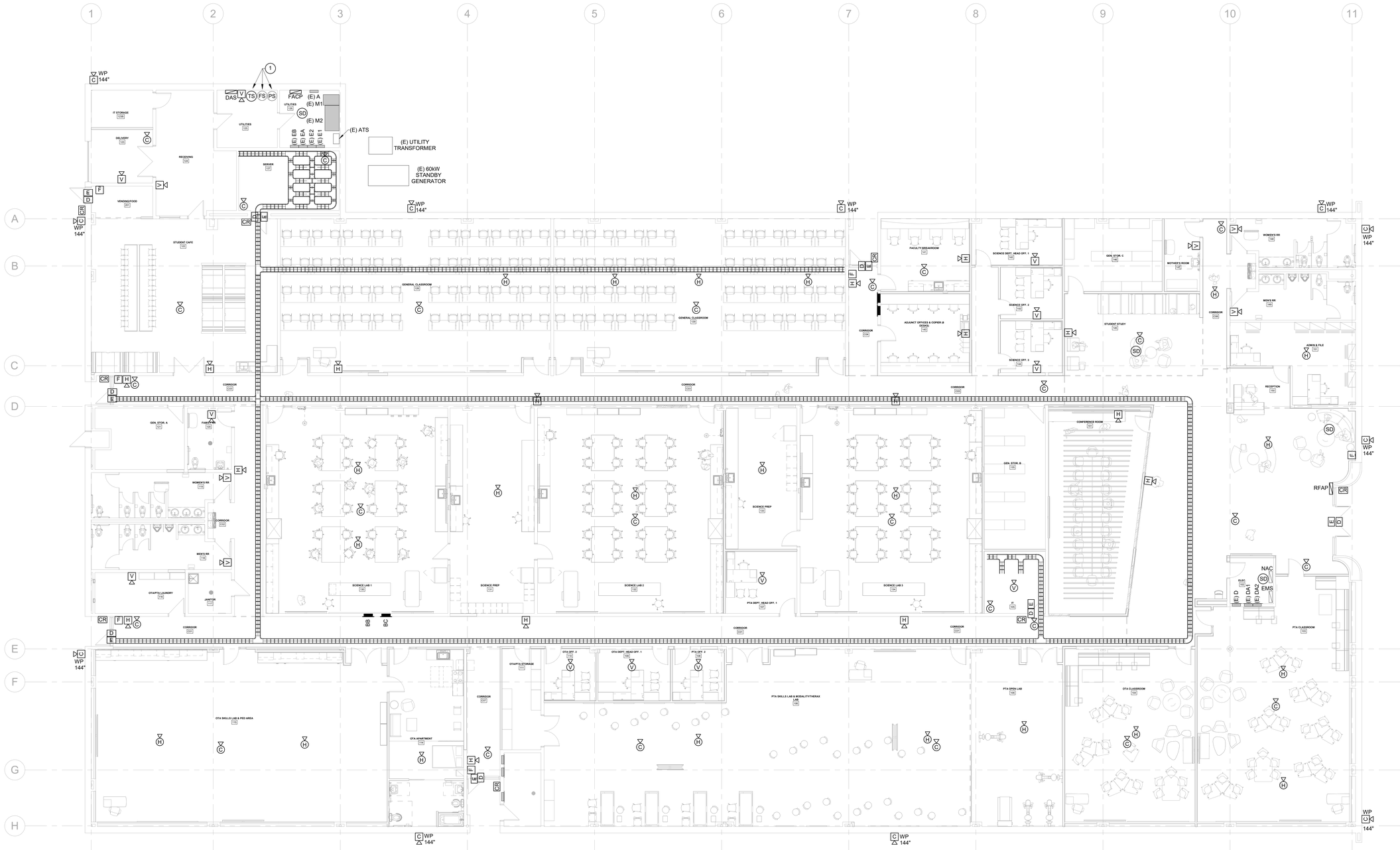
LEVEL 1 SYSTEMS DEMOLITION PLAN

SHEET NO. PROJ. NO. H59-6374-CB

ED301

RENOVATION KEYNOTES

1. COORDINATE INSTALLATION, QUANTITY, AND LOCATION OF TAMPER AND FLOW SWITCHES WITH APPROVED FIRE SUPPRESSION SHOP DRAWINGS. REFER TO FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.



1 E301 LEVEL 01 - SYSTEMS PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE
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Scale: 1/8" = 1'-0"

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LEVEL 1 SYSTEMS PLAN

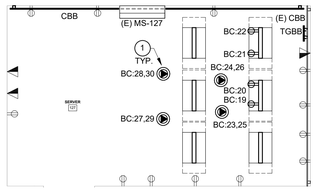
SHEET NO.

E301

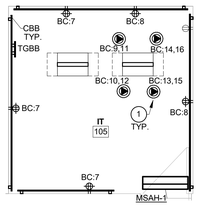
PROJ. NO. H59-6374-CB

RENOVATION KEYNOTES

1. PROVIDE NEMA L6-30R SIMPLEX RECEPTACLE. PROVIDE 2#10 & 1#10G IN 3/4" CONDUIT. MOUNT TO THE SIDE OF DATA RACK.



1 LEVEL 01 - POWER & TELECOM PLAN - SERVER ROOM 127
E500 SCALE: 1/4" = 1'-0"



2 LEVEL 01 - POWER & TELECOM PLAN - IT 105
E500 SCALE: 1/4" = 1'-0"

4/22/2026 1:43:25 PM Autodesk Docs://HDT DWG 25050-00 Horry Georgetown Technical College/RENOVATION OF CONWAY BUILDING 5100/HDT DWG 25050-00 HDT Electrical Renovation MEP_2024.rvt
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ELECTRICAL ELEVATIONS & ENLARGED VIEWS

SHEET NO. E500

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