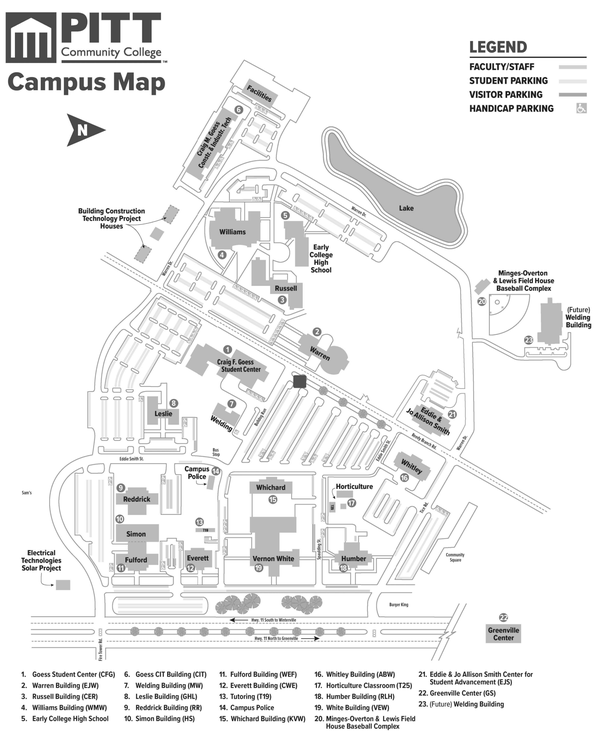
PITT COMMUNITY COLLEGE

CAMPUS FIRE ALARM REPLACEMENTS

2054 WARREN DRIVE, WINTERVILLE, NC 28590

CD BID

04/02/2026



DRAWING LIST	
NO.	TITLE
G001	COVER SHEET
G111	AB WHITLEY - CODE SUMMARY
G121	LESLIE - CODE SUMMARY
G131	WHICHARD - CODE SUMMARY
G141	GREENVILLE CENTER ANNEX - CODE SUMMARY
G151	VERNON WHITE - CODE SUMMARY
G161	LET - CODE SUMMARY
FA001	STANDARDS, SYMBOLS & ABBREVIATIONS
FA111	LEVEL 1 - AB WHITLEY
FA112	LEVEL 2 - AB WHITLEY
FA113	LEVEL 3 - AB WHITLEY
FA121	LEVEL 1 - LESLIE
FA122	LEVEL 2 - LESLIE
FA123	LEVEL 3 - LESLIE
FA131	LEVEL 1 - WHICHARD
FA132	LEVEL 2 - WHICHARD
FA141	LEVEL 1 - GREENVILLE CENTER ANNEX
FA151	LEVEL 1 - VERNON WHITE DEMOLITION
FA152	LEVEL 1 - VERNON WHITE NEW WORK
FA161	LEVEL 1 - LET
FA211	FIRE ALARM SYSTEM
FA212	FIRE ALARM SYSTEM DETAILS

11/12/24

GREENVILLE CENTER ANNEX

WHICHARD BUILDING

AB WHITLEY BUILDING

VERNON WHITE BUILDING

LESLIE BUILDING

LET BUILDING AND GREENVILLE CENTER ANNEX BUILDING ARE OFF CAMPUS*

LET BUILDING

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052051 JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
COVER SHEET

SHEET NUMBER: G001
REVISION:

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

Name of Project: Pitt Community College Fire Alarm Replacements - AB Whitley
Address: 4257 Reedy Branch Rd, Winterville, NC 28590
Owner/Authorized Agent: Glenn Sheppard, FMP, PEM Phone # 252-493-7593 Email glsheppard063@my.pittcc.edu
Owned By: [X] City/County [ ] Private [ ] State
Code Enforcement Jurisdiction: [X] City Winterville, NC [ ] County _____ [ ] State

Contact: N/A

DESIGNER	FIRM	NAME	LICENSE	PHONE	E-MAIL
Architectural:	N/A	N/A	N/A	N/A	N/A
Civil:	N/A	N/A	N/A	N/A	N/A
Electrical:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Fire Alarm:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Plumbing:	N/A	N/A	N/A	N/A	N/A
Mechanical:	N/A	N/A	N/A	N/A	N/A
Sprinkler-Standpipe:	N/A	N/A	N/A	N/A	N/A
Structural:	N/A	N/A	N/A	N/A	N/A
Retaining Walls >5':	N/A	N/A	N/A	N/A	N/A
Other:	N/A	N/A	N/A	N/A	N/A

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

2018 NC Building Code: [ ] New Building [ ] Addition [ ] Shell/Core [ ] 1st Time Interior Completions [ ] Phased Construction - Shell Core

2018 NC Existing Building Code: (check all that apply) [ ] Prescriptive [X] Repair [ ] Chapter 14 [ ] Alteration Level I [ ] Alteration Level II [ ] Alteration Level III [ ] Historic Property [ ] Change of Use

Constructed: (date) 1990
Renovated: (date) _____
Current Use(s): (Ch.3): BUSINESS
Proposed Use(s): (Ch.3): _____

Occupancy Category (Table 1604.5): **Current:** B _____ **Proposed:** B _____

BASIC BUILDING DATA

Construction Type: (Check all that apply) [ ] I-A [ ] I-B [ ] II-A [X] II-B [ ] III-A [ ] III-B [ ] IV [ ] V-A [ ] V-B

Sprinklers: [X] No [ ] Partial [ ] NFPA 13 [ ] NFPA 13R [ ] NFPA 13D

Standpipes: [X] No Class [ ] I [ ] II [ ] III [ ] Wet [ ] Dry

Primary Fire District: [X] No [ ] Yes **Flood Hazard Area:** [X] No [ ] Yes

Special Inspections Required: [X] No [ ] Yes

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
LEVEL 1	15422	0	15422
LEVEL 2	15357	0	15357
LEVEL 3	2945	0	2945
TOTAL:	33724	0	33724

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly: [ ] A-1 [ ] A-2 [ ] A-3 [ ] A -4 [ ] A-5
Business: [X]
Educational: [ ]
Factory: [ ] F-1 Moderate [ ] F-2 Low
Hazardous: [ ] H-1 Detonate [ ] H-2 Deflagrate [ ] H-3 Combust [ ] H-4 Health [ ] H-5 HPM
Institutional: [ ] I-1 [ ] I-2 [ ] I-3 [ ] I-4
I-1 Condition [ ] 1 [ ] 2
I-2 [ ] 1 [ ] 2
I-3 Condition: [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5
Mercantile: [ ]
Residential: [ ] R-1 [ ] R-2 [ ] R-3 [ ] R-4
Storage: [ ] S-1 Moderate [ ] S-2 Low [ ] High-piled [ ] Parking Garage [ ] Open [ ] Enclosed [ ] Repair Garage
Utility and Miscellaneous: [ ]

Accessory Occupancy Classification(s): _____
Incidental Uses (Table 509): _____
This separation is not exempt as a Non-Separated Use (see exceptions).
Special Uses (Chapter 4 - List Code Sections): _____
Special Provisions (Chapter 5 - List Code Sections): _____
Mixed Occupancy: [ ] No [ ] Yes Separation: ____ Hr. Exception: _____
[ ] Non-Separated Use (508.3)
[ ] Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
Select one

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

_____ + _____ + _____ + _____ + _____ = ≤ 1

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
5					
4					
3					
2					
1					

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ ft (F)
b. Total Building Perimeter = _____ ft (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ ft (W)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)			
Building Height in Stories (Table 504.4)			

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

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

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	[X] Yes	[ ] No
Exit Signs:	[X] Yes	[ ] No
Fire Alarm:	[X] Yes	[ ] No
Smoke Detection Systems:	[ ] Yes	[ ] No [X] Partial
Carbon Monoxide Detection:	[ ] Yes	[X] No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet # _____
[ ] Fire and/or smoke rated wall locations (Chapter 7)
[ ] Assumed and real property line locations (if not on the site plan)
[ ] Exterior wall opening area with respect to distance to assumed property lines (705.8)
[ ] Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
[ ] Occupant loads for each area
[ ] Exit access travel distances (1017)
[ ] Common path of travel distances (1006.2.1 & 1006.3.2(1))
[ ] Dead end lengths (1020.4)
[ ] Clear exit widths for each exit door
[ ] Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
[ ] Actual occupant load for each exit door
[ ] A separate schematic plan indicating where fire rated floor/ceiling and/or wall structure is provided for purposes of occupancy separation
[ ] Location of doors with panic hardware (1010.1.10)
[ ] Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
[ ] Location of doors with electromagnetic egress locks (1010.1.9.9)
[ ] Location of doors equipped with hold-open devices
[ ] Location of emergency escape windows (1030)
[ ] The square footage of each fire area (202)
[ ] The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
[ ] Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(Section 1107)

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

ACCESSIBLE PARKING
(Section 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED				TOTAL ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE		
TOTAL:							

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

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

SPECIAL APPROVALS

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

ENERGY SUMMARY

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

Existing building envelope complies with code: _____ (If checked, the remainder of this section is not applicable.)
Exempt Building: _____ Provide code or statutory reference: _____
Climate Zone: [ ] 3A [ ] 4A [ ] 5A
Method of Compliance:
Energy Code: [ ] Performance [ ] Prescriptive
ASHRAE 90.1: [ ] Performance [ ] Prescriptive
Other: [ ] Performance (Specify source) _____

THERMAL ENVELOPE (Prescriptive method only)
Roof/ceiling Assembly (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____
Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing):
U-Value of assembly: _____
Solar heat gain coefficient: _____
Projection Factor: _____
Door R-Values: _____
Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor over unconditioned space (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor slab on grade
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
Slab heated: _____

APPENDIX B
2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON SHEET 1 OR 2 OF THE STRUCTURAL SHEETS)

DESIGN LOADS:
Importance Factors: Wind (I_W) _____
Snow (I_S) _____
Seismic (I_E) _____
Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor 0 _____ psf
Ground Snow Load: _____ psf
Wind Load: Basic Wind Speed _____ mph (ASCE-7)
Exposure Category _____

SEISMIC DESIGN CATEGORY: [ ] A [ ] B [ ] C [ ] D
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5): [ ] I [ ] II [ ] III [ ] IV
Spectral Response Acceleration S_S _____ %g S_1 _____ %g
Site Classification (ASCE 7) [ ] A [ ] B [ ] C [ ] D [ ] E [ ] F
Data Source: [ ] Field Test [ ] Presumptive [ ] Historical Data
Basic Structural System (check one)
[ ] Bearing Wall [ ] Dual w/Special Moment Frame
[ ] Building Frame [ ] Dual w/Intermediate R/C or Special Steel
[ ] Moment Frame [ ] Inverted Pendulum
Analysis Procedure: [ ] Simplified [ ] Equivalent Lateral Force [ ] Dynamic
Architectural, Mechanical, Components anchored? [ ] Yes [ ] N

LATERAL DESIGN CONTROL: [ ] Earthquake [ ] Wind
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

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

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
winter dry bulb: _____
summer dry bulb: _____
Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____
Building heating load: _____
Building cooling load: _____
Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason: _____
Chiller
Size category. If oversized, state reason: _____
List equipment efficiencies: _____

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

ELECTRICAL SYSTEMS AND EQUIPMENT
Method of Compliance
Energy Code: [ ] Prescriptive [ ] Performance
ASHRAE 90.1: [ ] Prescriptive [ ] Performance
Lighting Schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified versus allowed (whole building or space by space)
total exterior wattage specified versus allowed
Additional Prescriptive Compliance
[ ] 506.2.1 More Efficient Mechanical Equipment
[ ] 506.2.2 Reduced Lighting Power Density
[ ] 506.2.3 Energy Recovery Ventilation Systems
[ ] 506.2.4 Higher Efficiency Service Water Heating
[ ] 506.2.5 On-Site Supply of Renewable Energy
[ ] 506.2.6 Automatic Daylighting Control Systems

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER XING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
AB WHITLEY - CODE SUMMARY

SHEET NUMBER: G111
REVISION:

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

Name of Project: Pitt Community College Fire Alarm Replacements - Leslie
Address: 2000 Eddie Smith St, Winterville, NC 28590
Owner/Authorized Agent: Glenn Sheppard, FMP, PEM Phone # 252-493-7593 Email glsheppard063@my.pittcc.edu
Owned By: [X] City/County [ ] Private [ ] State
Code Enforcement Jurisdiction: [X] City Winterville, NC [ ] County _____ [ ] State

Contact: N/A

DESIGNER	FIRM	NAME	LICENSE	PHONE	E-MAIL
Architectural:	N/A	N/A	N/A	N/A	N/A
Civil:	N/A	N/A	N/A	N/A	N/A
Electrical:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Fire Alarm:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Plumbing:	N/A	N/A	N/A	N/A	N/A
Mechanical:	N/A	N/A	N/A	N/A	N/A
Sprinkler-Standpipe:	N/A	N/A	N/A	N/A	N/A
Structural:	N/A	N/A	N/A	N/A	N/A
Retaining Walls >5':	N/A	N/A	N/A	N/A	N/A
Other:	N/A	N/A	N/A	N/A	N/A

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

2018 NC Building Code: [ ] New Building [ ] Addition [ ] Shell/Core [ ] 1st Time Interior Completions [ ] Phased Construction - Shell Core

2018 NC Existing Building Code: (check all that apply) [ ] Prescriptive [X] Repair [ ] Chapter 14 [ ] Alteration Level I [ ] Alteration Level II [ ] Alteration Level III [ ] Historic Property [ ] Change of Use

Constructed: (date) 1993
Renovated: (date) _____
Current Use(s): (Ch.3): BUSINESS
Proposed Use(s): (Ch.3): _____

Occupancy Category (Table 1604.5): **Current:** B _____ **Proposed:** B _____

BASIC BUILDING DATA

Construction Type: (Check all that apply) [ ] I-A [ ] I-B [ ] II-A [X] II-B [ ] III-A [ ] III-B [ ] IV [ ] V-A [ ] V-B

Sprinklers: [X] No [ ] Partial [ ] NFPA 13 [ ] NFPA 13R [ ] NFPA 13D

Standpipes: [X] No Class [ ] I [ ] II [ ] III [ ] Wet [ ] Dry

Primary Fire District: [X] No [ ] Yes **Flood Hazard Area:** [X] No [ ] Yes

Special Inspections Required: [X] No [ ] Yes

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
LEVEL 1	16784	0	16784
LEVEL 2	8682	0	8682
LEVEL 3	2364	0	2364
TOTAL:	27830	0	27830

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly: [ ] A-1 [ ] A-2 [ ] A-3 [ ] A -4 [ ] A-5
Business: [X]
Educational: [ ]
Factory: [ ] F-1 Moderate [ ] F-2 Low
Hazardous: [ ] H-1 Detonate [ ] H-2 Deflagrate [ ] H-3 Combust [ ] H-4 Health [ ] H-5 HPM
Institutional: [ ] I-1 [ ] I-2 [ ] I-3 [ ] I-4
I-1 Condition [ ] 1 [ ] 2
I-2 [ ] 1 [ ] 2
I-3 Condition: [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5
Mercantile: [ ]
Residential: [ ] R-1 [ ] R-2 [ ] R-3 [ ] R-4
Storage: [ ] S-1 Moderate [ ] S-2 Low [ ] High-piled [ ] Repair Garage [ ] Parking Garage [ ] Open [ ] Enclosed
Utility and Miscellaneous: [ ]

Accessory Occupancy Classification(s): _____
Incidental Uses (Table 509): _____
This separation is not exempt as a Non-Separated Use (see exceptions).
Special Uses (Chapter 4 - List Code Sections): _____
Special Provisions (Chapter 5 - List Code Sections): _____
Mixed Occupancy: [ ] No [ ] Yes Separation: ____Hr. Exception: _____
[ ] Non-Separated Use (508.3)
[ ] Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

Select one

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

_____ + _____ + _____ + _____ + _____ = ≤ 1

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
5					
4					
3					
2					
1					

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ ft (F)
b. Total Building Perimeter = _____ ft (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ ft (W)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)			
Building Height in Stories (Table 504.4)			

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

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

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: [X] Yes [ ] No
Exit Signs: [X] Yes [ ] No
Fire Alarm: [X] Yes [ ] No
Smoke Detection Systems: [ ] Yes [ ] No [X] Partial
Carbon Monoxide Detection: [ ] Yes [X] No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet # _____
[ ] Fire and/or smoke rated wall locations (Chapter 7)
[ ] Assumed and real property line locations (if not on the site plan)
[ ] Exterior wall opening area with respect to distance to assumed property lines (705.8)
[ ] Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
[ ] Occupant loads for each area
[ ] Exit access travel distances (1017)
[ ] Common path of travel distances (1006.2.1 & 1006.3.2(1))
[ ] Dead end lengths (1020.4)
[ ] Clear exit widths for each exit door
[ ] Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
[ ] Actual occupant load for each exit door
[ ] A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
[ ] Location of doors with panic hardware (1010.1.10)
[ ] Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
[ ] Location of doors with electromagnetic egress locks (1010.1.9.9)
[ ] Location of doors equipped with hold-open devices
[ ] Location of emergency escape windows (1030)
[ ] The square footage of each fire area (202)
[ ] The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
[ ] Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(Section 1107)

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

ACCESSIBLE PARKING
(Section 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES	# OF ACCESSIBLE SPACES PROVIDED				TOTAL ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	
TOTAL:						

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

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

SPECIAL APPROVALS

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

ENERGY SUMMARY

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

Existing building envelope complies with code: _____ (If checked, the remainder of this section is not applicable.)
Exempt Building: _____ Provide code or statutory reference: _____
Climate Zone: [ ] 3A [ ] 4A [ ] 5A
Method of Compliance:
Energy Code: [ ] Performance [ ] Prescriptive
ASHRAE 90.1: [ ] Performance [ ] Prescriptive
Other: [ ] Performance (Specify source) _____

THERMAL ENVELOPE (Prescriptive method only)
Roof/ceiling Assembly (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____
Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing):
U-Value of assembly: _____
Solar heat gain coefficient: _____
Projection Factor: _____
Door R-Values: _____
Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor over unconditioned space (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor slab on grade
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
Slab heated: _____

APPENDIX B
2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON SHEET 1 OR 2 OF THE STRUCTURAL SHEETS)

DESIGN LOADS:
Importance Factors: Wind (I_W) _____
Snow (I_S) _____
Seismic (I_E) _____
Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor 0 _____ psf
Ground Snow Load: _____ psf
Wind Load: Basic Wind Speed _____ mph (ASCE-7)
Exposure Category _____

SEISMIC DESIGN CATEGORY: [ ] A [ ] B [ ] C [ ] D
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5): [ ] I [ ] II [ ] III [ ] IV
Spectral Response Acceleration S_S _____ %g S_1 _____ %g
Site Classification (ASCE 7) [ ] A [ ] B [ ] C [ ] D [ ] E [ ] F
Data Source: [ ] Field Test [ ] Presumptive [ ] Historical Data
Basic Structural System (check one)
[ ] Bearing Wall [ ] Dual w/Special Moment Frame
[ ] Building Frame [ ] Dual w/Intermediate R/C or Special Steel
[ ] Moment Frame [ ] Inverted Pendulum
Analysis Procedure: [ ] Simplified [ ] Equivalent Lateral Force [ ] Dynamic
Architectural, Mechanical, Components anchored? [ ] Yes [ ] N

LATERAL DESIGN CONTROL: [ ] Earthquake [ ] Wind
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

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

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
winter dry bulb: _____
summer dry bulb: _____
Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____
Building heating load: _____
Building cooling load: _____
Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason: _____
Chiller
Size category. If oversized, state reason: _____
List equipment efficiencies: _____

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

ELECTRICAL SYSTEMS AND EQUIPMENT
Method of Compliance
Energy Code: [ ] Prescriptive [ ] Performance
ASHRAE 90.1: [ ] Prescriptive [ ] Performance
Lighting Schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified versus allowed (whole building or space by space)
total exterior wattage specified versus allowed
Additional Prescriptive Compliance
[ ] 506.2.1 More Efficient Mechanical Equipment
[ ] 506.2.2 Reduced Lighting Power Density
[ ] 506.2.3 Energy Recovery Ventilation Systems
[ ] 506.2.4 Higher Efficiency Service Water Heating
[ ] 506.2.5 On-Site Supply of Renewable Energy
[ ] 506.2.6 Automatic Daylighting Control Systems

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER XING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
LESLIE - CODE SUMMARY

SHEET NUMBER: G121
REVISION:

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

Name of Project: Pitt Community College Fire Alarm Replacements - Whichard
Address: 1955 Eddie Smith St, Winterville, NC 28590
Owner/Authorized Agent: Glenn Sheppard, FMP, PEM Phone # 252-493-7593 Email glsheppard063@my.pittcc.edu
Owned By: [X] City/County [ ] Private [ ] State
Code Enforcement Jurisdiction: [X] City Winterville, NC [ ] County _____ [ ] State

Contact: N/A

DESIGNER	FIRM	NAME	LICENSE	PHONE	E-MAIL
Architectural:	N/A	N/A	N/A	N/A	N/A
Civil:	N/A	N/A	N/A	N/A	N/A
Electrical:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Fire Alarm:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Plumbing:	N/A	N/A	N/A	N/A	N/A
Mechanical:	N/A	N/A	N/A	N/A	N/A
Sprinkler-Standpipe:	N/A	N/A	N/A	N/A	N/A
Structural:	N/A	N/A	N/A	N/A	N/A
Retaining Walls >5':	N/A	N/A	N/A	N/A	N/A
Other:	N/A	N/A	N/A	N/A	N/A

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

2018 NC Building Code: [ ] New Building [ ] Addition [ ] Shell/Core [ ] 1st Time Interior Completions [ ] Phased Construction - Shell Core

2018 NC Existing Building Code: (check all that apply) [ ] Prescriptive [X] Repair [ ] Chapter 14 [ ] Alteration Level I [ ] Alteration Level II [ ] Alteration Level III [ ] Historic Property [ ] Change of Use

Constructed: (date) 1961
Renovated: (date) _____
Current Use(s): (Ch.3): BUSINESS
Proposed Use(s): (Ch.3): _____

Occupancy Category (Table 1604.5): **Current:** B _____ **Proposed:** B _____

BASIC BUILDING DATA

Construction Type: (Check all that apply) [ ] I-A [ ] I-B [ ] II-A [X] II-B [ ] III-A [ ] III-B [ ] IV [ ] V-A [ ] V-B

Sprinklers: [X] No [ ] Partial [ ] NFPA 13 [ ] NFPA 13R [ ] NFPA 13D

Standpipes: [X] No Class [ ] I [ ] II [ ] III [ ] Wet [ ] Dry

Primary Fire District: [X] No [ ] Yes **Flood Hazard Area:** [X] No [ ] Yes

Special Inspections Required: [X] No [ ] Yes

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
LEVEL 1	14595	0	14595
LEVEL 2	11485	0	11485
TOTAL:	26080	0	26080

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly: [ ] A-1 [ ] A-2 [ ] A-3 [ ] A -4 [ ] A-5
Business: [X]
Educational: [ ]
Factory: [ ] F-1 Moderate [ ] F-2 Low
Hazardous: [ ] H-1 Detonate [ ] H-2 Deflagrate [ ] H-3 Combust [ ] H-4 Health [ ] H-5 HPM
Institutional: [ ] I-1 [ ] I-2 [ ] I-3 [ ] I-4
I-1 Condition [ ] 1 [ ] 2
I-2 [ ] 1 [ ] 2
I-3 Condition: [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5
Mercantile: [ ]
Residential: [ ] R-1 [ ] R-2 [ ] R-3 [ ] R-4
Storage: [ ] S-1 Moderate [ ] S-2 Low [ ] High-piled [ ] Parking Garage [ ] Open [ ] Enclosed [ ] Repair Garage
Utility and Miscellaneous: [ ]

Accessory Occupancy Classification(s): _____
Incidental Uses (Table 509): _____
This separation is not exempt as a Non-Separated Use (see exceptions).
Special Uses (Chapter 4 - List Code Sections): _____
Special Provisions (Chapter 5 - List Code Sections): _____
Mixed Occupancy: [ ] No [ ] Yes Separation: ____Hr. Exception: _____
[ ] Non-Separated Use (508.3)
[ ] Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
Select one

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

_____ + _____ + _____ + _____ + _____ = ≤ 1

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
5					
4					
3					
2					
1					

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ ft (F)
b. Total Building Perimeter = _____ ft (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ ft (W)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)			
Building Height in Stories (Table 504.4)			

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

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

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	[X] Yes	[ ] No
Exit Signs:	[X] Yes	[ ] No
Fire Alarm:	[X] Yes	[ ] No
Smoke Detection Systems:	[ ] Yes	[ ] No [X] Partial
Carbon Monoxide Detection:	[ ] Yes	[X] No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet # _____
[ ] Fire and/or smoke rated wall locations (Chapter 7)
[ ] Assumed and real property line locations (if not on the site plan)
[ ] Exterior wall opening area with respect to distance to assumed property lines (705.8)
[ ] Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
[ ] Occupant loads for each area
[ ] Exit access travel distances (1017)
[ ] Common path of travel distances (1006.2.1 & 1006.3.2(1))
[ ] Dead end lengths (1020.4)
[ ] Clear exit widths for each exit door
[ ] Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
[ ] Actual occupant load for each exit door
[ ] A separate schematic plan indicating where fire rated floor/ceiling and/or wall structure is provided for purposes of occupancy separation
[ ] Location of doors with panic hardware (1010.1.10)
[ ] Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
[ ] Location of doors with electromagnetic egress locks (1010.1.9.9)
[ ] Location of doors equipped with hold-open devices
[ ] Location of emergency escape windows (1030)
[ ] The square footage of each fire area (202)
[ ] The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
[ ] Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(Section 1107)

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

ACCESSIBLE PARKING
(Section 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED				TOTAL ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE		
TOTAL:							

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

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

SPECIAL APPROVALS

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

ENERGY SUMMARY

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

Existing building envelope complies with code: _____ (If checked, the remainder of this section is not applicable.)
Exempt Building: _____ Provide code or statutory reference: _____
Climate Zone: [ ] 3A [ ] 4A [ ] 5A
Method of Compliance:
Energy Code: [ ] Performance [ ] Prescriptive
ASHRAE 90.1: [ ] Performance [ ] Prescriptive
Other: [ ] Performance (Specify source) _____

THERMAL ENVELOPE (Prescriptive method only)
Roof/ceiling Assembly (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____
Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing):
U-Value of assembly: _____
Solar heat gain coefficient: _____
Projection Factor: _____
Door R-Values: _____
Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor over unconditioned space (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor slab on grade
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
Slab heated: _____

APPENDIX B
2018 BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON SHEET 1 OR 2 OF THE STRUCTURAL SHEETS)

DESIGN LOADS:
Importance Factors: Wind (I_W) _____
Snow (I_S) _____
Seismic (I_E) _____
Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor 0 psf
Ground Snow Load: _____ psf
Wind Load: Basic Wind Speed _____ mph (ASCE-7)
Exposure Category _____

SEISMIC DESIGN CATEGORY: [ ] A [ ] B [ ] C [ ] D
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5): [ ] I [ ] II [ ] III [ ] IV
Spectral Response Acceleration S_S _____ %g S_1 _____ %g
Site Classification (ASCE 7) [ ] A [ ] B [ ] C [ ] D [ ] E [ ] F
Data Source: [ ] Field Test [ ] Presumptive [ ] Historical Data
Basic Structural System (check one)
[ ] Bearing Wall [ ] Dual w/Special Moment Frame
[ ] Building Frame [ ] Dual w/Intermediate R/C or Special Steel
[ ] Moment Frame [ ] Inverted Pendulum
Analysis Procedure: [ ] Simplified [ ] Equivalent Lateral Force [ ] Dynamic
Architectural, Mechanical, Components anchored? [ ] Yes [ ] N

LATERAL DESIGN CONTROL: [ ] Earthquake [ ] Wind
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

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

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
winter dry bulb: _____
summer dry bulb: _____
Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____
Building heating load: _____
Building cooling load: _____
Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason: _____
Chiller
Size category. If oversized, state reason: _____
List equipment efficiencies: _____

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

ELECTRICAL SYSTEMS AND EQUIPMENT
Method of Compliance
Energy Code: [ ] Prescriptive [ ] Performance
ASHRAE 90.1: [ ] Prescriptive [ ] Performance
Lighting Schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified versus allowed (whole building or space by space)
total exterior wattage specified versus allowed
Additional Prescriptive Compliance
[ ] 506.2.1 More Efficient Mechanical Equipment
[ ] 506.2.2 Reduced Lighting Power Density
[ ] 506.2.3 Energy Recovery Ventilation Systems
[ ] 506.2.4 Higher Efficiency Service Water Heating
[ ] 506.2.5 On-Site Supply of Renewable Energy
[ ] 506.2.6 Automatic Daylighting Control Systems

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052051 XING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
WHICHARD - CODE SUMMARY

SHEET NUMBER: G131
REVISION:

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

Name of Project: Pitt Community College Fire Alarm Replacements - Greenville Center Annex
Address: 550 Dexter St, Greenville, NC 27834
Owner/Authorized Agent: Glenn Sheppard, FMP, PEM Phone # 252-493-7593 Email glsheppard063@my.pittcc.edu
Owned By: [X] City/County [ ] Private [ ] State
Code Enforcement Jurisdiction: [X] City Greenville, NC [ ] County _____ [ ] State

Contact: N/A

DESIGNER	FIRM	NAME	LICENSE	PHONE	E-MAIL
Architectural:	N/A	N/A	N/A	N/A	N/A
Civil:	N/A	N/A	N/A	N/A	N/A
Electrical:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Fire Alarm:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Plumbing:	N/A	N/A	N/A	N/A	N/A
Mechanical:	N/A	N/A	N/A	N/A	N/A
Sprinkler-Standpipe:	N/A	N/A	N/A	N/A	N/A
Structural:	N/A	N/A	N/A	N/A	N/A
Retaining Walls >5':	N/A	N/A	N/A	N/A	N/A
Other:	N/A	N/A	N/A	N/A	N/A

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

2018 NC Building Code: [ ] New Building [ ] Addition [ ] Shell/Core [ ] 1st Time Interior Completions [ ] Phased Construction - Shell Core
2018 NC Existing Building Code: (check all that apply) [ ] Prescriptive [X] Repair [ ] Chapter 14 [ ] Alteration Level I [ ] Alteration Level II [ ] Alteration Level III [ ] Historic Property [ ] Change of Use

Constructed: (date) 2017
Renovated: (date) _____
Current Use(s): (Ch.3): BUSINESS
Proposed Use(s): (Ch.3): _____

Occupancy Category (Table 1604.5): **Current:** B _____ **Proposed:** B _____

BASIC BUILDING DATA

Construction Type: (Check all that apply) [ ] I-A [ ] I-B [ ] II-A [X] II-B [ ] III-A [ ] III-B [ ] IV [ ] V-A [ ] V-B
Sprinklers: [X] No [ ] Partial [ ] NFPA 13 [ ] NFPA 13R [ ] NFPA 13D
Standpipes: [X] No Class [ ] I [ ] II [ ] III [ ] Wet [ ] Dry
Primary Fire District: [X] No [ ] Yes **Flood Hazard Area:** [X] No [ ] Yes
Special Inspections Required: [X] No [ ] Yes

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
LEVEL 1	7469	0	7469
TOTAL:	7469	0	7469

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly: [ ] A-1 [ ] A-2 [ ] A-3 [ ] A -4 [ ] A-5
Business: [X]
Educational: [ ]
Factory [ ] F-1 Moderate [ ] F-2 Low
Hazardous: [ ] H-1 Detonate [ ] H-2 Deflagrate [ ] H-3 Combust [ ] H-4 Health [ ] H-5 HPM
Institutional: [ ] I-1 [ ] I-2 [ ] I-3 [ ] I-4
I-1 Condition [ ] 1 [ ] 2
I-2 [ ] 1 [ ] 2
I-3 Condition: [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5
Mercantile: [ ]
Residential: [ ] R-1 [ ] R-2 [ ] R-3 [ ] R-4
Storage: [ ] S-1 Moderate [ ] S-2 Low [ ] High-piled [ ] Parking Garage [ ] Open [ ] Enclosed [ ] Repair Garage
Utility and Miscellaneous: [ ]

Accessory Occupancy Classification(s): _____
Incidental Uses (Table 509): _____
This separation is not exempt as a Non-Separated Use (see exceptions).
Special Uses (Chapter 4 - List Code Sections): _____
Special Provisions (Chapter 5 - List Code Sections): _____
Mixed Occupancy: [ ] No [ ] Yes Separation: ____ Hr. Exception: _____
[ ] Non-Separated Use (508.3)
[ ] Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
Select one

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

_____ + _____ + _____ + _____ + _____ = ≤ 1

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
5					
4					
3					
2					
1					

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ ft (F)
b. Total Building Perimeter = _____ ft (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ ft (W)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)			
Building Height in Stories (Table 504.4)			

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

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

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	[X] Yes	[ ] No
Exit Signs:	[X] Yes	[ ] No
Fire Alarm:	[X] Yes	[ ] No
Smoke Detection Systems:	[ ] Yes	[ ] No [X] Partial
Carbon Monoxide Detection:	[ ] Yes	[X] No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet # _____
[ ] Fire and/or smoke rated wall locations (Chapter 7)
[ ] Assumed and real property line locations (if not on the site plan)
[ ] Exterior wall opening area with respect to distance to assumed property lines (705.8)
[ ] Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
[ ] Occupant loads for each area
[ ] Exit access travel distances (1017)
[ ] Common path of travel distances (1006.2.1 & 1006.3.2(1))
[ ] Dead end lengths (1020.4)
[ ] Clear exit widths for each exit door
[ ] Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
[ ] Actual occupant load for each exit door
[ ] A separate schematic plan indicating where fire rated floor/ceiling and/or wall structure is provided for purposes of occupancy separation
[ ] Location of doors with panic hardware (1010.1.10)
[ ] Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
[ ] Location of doors with electromagnetic egress locks (1010.1.9.9)
[ ] Location of doors equipped with hold-open devices
[ ] Location of emergency escape windows (1030)
[ ] The square footage of each fire area (202)
[ ] The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
[ ] Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(Section 1107)

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

ACCESSIBLE PARKING
(Section 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED				TOTAL ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE		
TOTAL:							

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

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

SPECIAL APPROVALS

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

ENERGY SUMMARY

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

Existing building envelope complies with code: _____ (If checked, the remainder of this section is not applicable.)
Exempt Building: _____ Provide code or statutory reference: _____
Climate Zone: [ ] 3A [ ] 4A [ ] 5A
Method of Compliance:
Energy Code: [ ] Performance [ ] Prescriptive
ASHRAE 90.1: [ ] Performance [ ] Prescriptive
Other: [ ] Performance (Specify source) _____

THERMAL ENVELOPE (Prescriptive method only)
Roof/ceiling Assembly (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____
Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing):
U-Value of assembly: _____
Solar heat gain coefficient: _____
Projection Factor: _____
Door R-Values: _____
Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor over unconditioned space (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor slab on grade
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
Slab heated: _____

APPENDIX B
2018 BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON SHEET 1 OR 2 OF THE STRUCTURAL SHEETS)

DESIGN LOADS:
Importance Factors: Wind (I_W) _____
Snow (I_S) _____
Seismic (I_E) _____
Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor 0 psf
Ground Snow Load: _____ psf
Wind Load: Basic Wind Speed _____ mph (ASCE-7)
Exposure Category _____

SEISMIC DESIGN CATEGORY: [ ] A [ ] B [ ] C [ ] D
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5): [ ] I [ ] II [ ] III [ ] IV
Spectral Response Acceleration S_S _____ %g S_1 _____ %g
Site Classification (ASCE 7) [ ] A [ ] B [ ] C [ ] D [ ] E [ ] F
Data Source: [ ] Field Test [ ] Presumptive [ ] Historical Data
Basic Structural System (check one)
[ ] Bearing Wall [ ] Dual w/Special Moment Frame
[ ] Building Frame [ ] Dual w/Intermediate R/C or Special Steel
[ ] Moment Frame [ ] Inverted Pendulum
Analysis Procedure: [ ] Simplified [ ] Equivalent Lateral Force [ ] Dynamic
Architectural, Mechanical, Components anchored? [ ] Yes [ ] N

LATERAL DESIGN CONTROL: [ ] Earthquake [ ] Wind
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

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

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
winter dry bulb: _____
summer dry bulb: _____
Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____
Building heating load: _____
Building cooling load: _____
Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason: _____
Chiller
Size category. If oversized, state reason: _____
List equipment efficiencies: _____

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

ELECTRICAL SYSTEMS AND EQUIPMENT
Method of Compliance
Energy Code: [ ] Prescriptive [ ] Performance
ASHRAE 90.1: [ ] Prescriptive [ ] Performance
Lighting Schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified versus allowed (whole building or space by space)
total exterior wattage specified versus allowed
Additional Prescriptive Compliance
[ ] 506.2.1 More Efficient Mechanical Equipment
[ ] 506.2.2 Reduced Lighting Power Density
[ ] 506.2.3 Energy Recovery Ventilation Systems
[ ] 506.2.4 Higher Efficiency Service Water Heating
[ ] 506.2.5 On-Site Supply of Renewable Energy
[ ] 506.2.6 Automatic Daylighting Control Systems

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER XING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY	DRAWN BY
SZ	DRW

SHEET NAME
GREENVILLE CENTER ANNEX - CODE SUMMARY

SHEET NUMBER	REVISION
G141	

APPENDIX B

2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

(EXCEPT ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Pitt Community College Fire Alarm Replacements - Vernon White
Address: 1958 Pitt Tech Rd, Winterville, NC 28590
Owner/Authorized Agent: Glenn Sheppard, FMP, PEM Phone # 252-493-7593 Email glsheppard063@my.pittcc.edu
Owned By: [X] City/County [ ] Private [ ] State
Code Enforcement Jurisdiction: [X] City Winterville, NC [ ] County _____ [ ] State

Contact: N/A

DESIGNER	FIRM	NAME	LICENSE	PHONE	E-MAIL
Architectural:	N/A	N/A	N/A	N/A	N/A
Civil:	N/A	N/A	N/A	N/A	N/A
Electrical:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Fire Alarm:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Plumbing:	N/A	N/A	N/A	N/A	N/A
Mechanical:	N/A	N/A	N/A	N/A	N/A
Sprinkler-Standpipe:	N/A	N/A	N/A	N/A	N/A
Structural:	N/A	N/A	N/A	N/A	N/A
Retaining Walls >5':	N/A	N/A	N/A	N/A	N/A
Other:	N/A	N/A	N/A	N/A	N/A

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

2018 NC Building Code: [ ] New Building [ ] Addition [ ] Shell/Core [ ] 1st Time Interior Completions [ ] Phased Construction - Shell Core

2018 NC Existing Building Code: (check all that apply) [ ] Prescriptive [X] Repair [ ] Chapter 14 [ ] Alteration Level I [ ] Alteration Level II [ ] Alteration Level III [ ] Historic Property [ ] Change of Use

Constructed: (date) 1961
Renovated: (date) 1974

Current Use(s): (Ch.3): OFFICE AND CLASSROOMS
Proposed Use(s): (Ch.3): OFFICE AND CLASSROOMS

Occupancy Category (Table 1604.5): **Current:** B **Proposed:** B

BASIC BUILDING DATA

Construction Type: (Check all that apply) [ ] I-A [ ] I-B [ ] II-A [X] II-B [ ] III-A [ ] III-B [ ] IV [ ] V-A [ ] V-B

Sprinklers: [X] No [ ] Partial [ ] NFPA 13 [ ] NFPA 13R [ ] NFPA 13D

Standpipes: [X] No Class [ ] I [ ] II [ ] III [ ] Wet [ ] Dry

Primary Fire District: [X] No [ ] Yes **Flood Hazard Area:** [X] No [ ] Yes

Special Inspections Required: [X] No [ ] Yes

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
EQUIPMENT PLATFORM	6747	0	6747
LEVEL 1	46480	0	46480
TOTAL:	53227	0	53227

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly: [ ] A-1 [ ] A-2 [ ] A-3 [ ] A -4 [ ] A-5
Business: [X]
Educational: [ ]
Factory: [ ] F-1 Moderate [ ] F-2 Low
Hazardous: [ ] H-1 Detonate [ ] H-2 Deflagrate [ ] H-3 Combust [ ] H-4 Health [ ] H-5 HPM
Institutional: [ ] I-1 [ ] I-2 [ ] I-3 [ ] I-4
I-1 Condition [ ] 1 [ ] 2
I-2 [ ] 1 [ ] 2
I-3 Condition: [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5
Mercantile: [ ]
Residential: [ ] R-1 [ ] R-2 [ ] R-3 [ ] R-4
Storage: [ ] S-1 Moderate [ ] S-2 Low [ ] High-piled [ ] Parking Garage [ ] Open [ ] Enclosed [ ] Repair Garage
Utility and Miscellaneous: [ ]

Accessory Occupancy Classification(s): _____
Incidental Uses (Table 509): _____
This separation is not exempt as a Non-Separated Use (see exceptions).
Special Uses (Chapter 4 - List Code Sections): _____
Special Provisions (Chapter 5 - List Code Sections): _____
Mixed Occupancy: [ ] No [ ] Yes Separation: ____ Hr. Exception: _____
[ ] Non-Separated Use (508.3)
[ ] Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
Select one

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

_____ + _____ + _____ + _____ + _____ = ≤ 1

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
5					
4					
3					
2					
1					

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ ft (F)
b. Total Building Perimeter = _____ ft (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ ft (W)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)			
Building Height in Stories (Table 504.4)			

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ ____ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame Including columns, girders, trusses		N/A					
Bearing Walls							
Exterior							
North	>= 30	0					
East	>= 30	0					
West	>= 30	0					
South	>= 30	0					
Interior		N/A					
Nonbearing Walls and Partitions							
Exterior walls							
North		N/A					
East		N/A					
West		N/A					
South		N/A					
Interior walls and partitions		N/A					
Floor Construction Including supporting beams and joists		N/A					
Floor Ceiling Assembly		N/A					
Columns Supporting Floors		N/A					
Roof construction, including supporting beams and joists		N/A					
Roof Ceiling Assembly		N/A					
Columns Supporting Roof		N/A					
Shaft Enclosures - Exit		N/A					
Shaft Enclosures - Other		N/A					
Corridor Separation		N/A					
Occupancy/Fire Barrier Separation		N/A					
Party/Fire Wall Separation		N/A					
Smoke Barrier Separation		N/A					
Smoke Partition		N/A					
Tenant/Dwelling Unit/Sleeping Unit Separation		N/A					
Incidental Use Separation		N/A					

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	[X] Yes	[ ] No
Exit Signs:	[X] Yes	[ ] No
Fire Alarm:	[X] Yes	[ ] No
Smoke Detection Systems:	[ ] Yes	[ ] No [X] Partial
Carbon Monoxide Detection:	[ ] Yes	[X] No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet # _____
[ ] Fire and/or smoke rated wall locations (Chapter 7)
[ ] Assumed and real property line locations (if not on the site plan)
[ ] Exterior wall opening area with respect to distance to assumed property lines (705.8)
[ ] Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
[ ] Occupant loads for each area
[ ] Exit access travel distances (1017)
[ ] Common path of travel distances (1006.2.1 & 1006.3.2(1))
[ ] Dead end lengths (1020.4)
[ ] Clear exit widths for each exit door
[ ] Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
[ ] Actual occupant load for each exit door
[ ] A separate schematic plan indicating where fire rated floor/ceiling and/or wall structure is provided for purposes of occupancy separation
[ ] Location of doors with panic hardware (1010.1.10)
[ ] Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
[ ] Location of doors with electromagnetic egress locks (1010.1.9.9)
[ ] Location of doors equipped with hold-open devices
[ ] Location of emergency escape windows (1030)
[ ] The square footage of each fire area (202)
[ ] The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
[ ] Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(Section 1107)

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

ACCESSIBLE PARKING
(Section 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED				TOTAL ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE		
TOTAL:							

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

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

SPECIAL APPROVALS

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

ENERGY SUMMARY

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

Existing building envelope complies with code: _____ (If checked, the remainder of this section is not applicable.)
Exempt Building: _____ Provide code or statutory reference: _____
Climate Zone: [ ] 3A [ ] 4A [ ] 5A
Method of Compliance:
Energy Code: [ ] Performance [ ] Prescriptive
ASHRAE 90.1: [ ] Performance [ ] Prescriptive
Other: [ ] Performance (Specify source) _____

THERMAL ENVELOPE (Prescriptive method only)
Roof/ceiling Assembly (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylights: _____
total square footage of skylights in each assembly: _____
Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing):
U-Value of assembly: _____
Solar heat gain coefficient: _____
Projection Factor: _____
Door R-Values: _____
Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor over unconditioned space (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor slab on grade
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
Slab heated: _____

APPENDIX B

2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

STRUCTURAL DESIGN
(PROVIDE ON SHEET 1 OR 2 OF THE STRUCTURAL SHEETS)

DESIGN LOADS:
Importance Factors: Wind (I_W) _____
Snow (I_S) _____
Seismic (I_E) _____
Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor 0 _____ psf
Ground Snow Load: _____ psf
Wind Load: Basic Wind Speed _____ mph (ASCE-7)
Exposure Category _____

SEISMIC DESIGN CATEGORY: [ ] A [ ] B [ ] C [ ] D
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5): [ ] I [ ] II [ ] III [ ] IV
Spectral Response Acceleration S_S _____ %g S_1 _____ %g
Site Classification (ASCE 7) [ ] A [ ] B [ ] C [ ] D [ ] E [ ] F
Data Source: [ ] Field Test [ ] Presumptive [ ] Historical Data
Basic Structural System (check one)
[ ] Bearing Wall [ ] Dual w/Special Moment Frame
[ ] Building Frame [ ] Dual w/Intermediate R/C or Special Steel
[ ] Moment Frame [ ] Inverted Pendulum
Analysis Procedure: [ ] Simplified [ ] Equivalent Lateral Force [ ] Dynamic
Architectural, Mechanical, Components anchored? [ ] Yes [ ]
LATERAL DESIGN CONTROL: [ ] Earthquake [ ] Wind
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

APPENDIX B

2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)
MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
winter dry bulb: _____
summer dry bulb: _____
Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____
Building heating load: _____
Building cooling load: _____
Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason: _____
Chiller
Size category. If oversized, state reason: _____
List equipment efficiencies: _____

APPENDIX B

2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)
ELECTRICAL SUMMARY

ELECTRICAL SYSTEMS AND EQUIPMENT
Method of Compliance
Energy Code: [ ] Prescriptive [ ] Performance
ASHRAE 90.1: [ ] Prescriptive [ ] Performance
Lighting Schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified versus allowed (whole building or space by space)
total exterior wattage specified versus allowed
Additional Prescriptive Compliance
[ ] 506.2.1 More Efficient Mechanical Equipment
[ ] 506.2.2 Reduced Lighting Power Density
[ ] 506.2.3 Energy Recovery Ventilation Systems
[ ] 506.2.4 Higher Efficiency Service Water Heating
[ ] 506.2.5 On-Site Supply of Renewable Energy
[ ] 506.2.6 Automatic Daylighting Control Systems

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER XING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
VERNON WHITE - CODE SUMMARY

SHEET NUMBER: G151
REVISION:

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

Name of Project: Pitt Community College Fire Alarm Replacements - LET
Address: 2096 Central Park Dr, Winterville 28590
Owner/Authorized Agent: Glenn Sheppard, FMP, PEM Phone # 252-493-7593 Email glsheppard063@my.pittcc.edu
Owned By: [X] City/County [ ] Private [ ] State
Code Enforcement Jurisdiction: [X] City Winterville, NC [ ] County _____ [ ] State

Contact: N/A

DESIGNER	FIRM	NAME	LICENSE	PHONE	E-MAIL
Architectural:	N/A	N/A	N/A	N/A	N/A
Civil:	N/A	N/A	N/A	N/A	N/A
Electrical:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Fire Alarm:	Salas O'Brien	Xing Zhou, PE	052051	919-578-4173	sophie.zhou@salasobrien.com
Plumbing:	N/A	N/A	N/A	N/A	N/A
Mechanical:	N/A	N/A	N/A	N/A	N/A
Sprinkler-Standpipe:	N/A	N/A	N/A	N/A	N/A
Structural:	N/A	N/A	N/A	N/A	N/A
Retaining Walls >5':	N/A	N/A	N/A	N/A	N/A
Other:	N/A	N/A	N/A	N/A	N/A

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

2018 NC Building Code: [ ] New Building [ ] Addition [ ] Shell/Core [ ] 1st Time Interior Completions [ ] Phased Construction - Shell Core
2018 NC Existing Building Code: (check all that apply) [ ] Prescriptive [X] Repair [ ] Chapter 14 [ ] Alteration Level I [ ] Alteration Level II [ ] Alteration Level III [ ] Historic Property [ ] Change of Use

Constructed: (date) 1993
Renovated: (date) _____
Current Use(s): (Ch.3): BUSINESS
Proposed Use(s): (Ch.3): _____

Occupancy Category (Table 1604.5): **Current:** B **Proposed:** B

BASIC BUILDING DATA

Construction Type: (Check all that apply) [ ] I-A [ ] I-B [ ] II-A [ ] II-B [ ] III-A [X] III-B [ ] IV [ ] V-A [ ] V-B
Sprinklers: [X] No [ ] Partial [ ] NFPA 13 [ ] NFPA 13R [ ] NFPA 13D
Standpipes: [X] No Class [ ] I [ ] II [ ] III [ ] Wet [ ] Dry
Primary Fire District: [X] No [ ] Yes **Flood Hazard Area:** [X] No [ ] Yes
Special Inspections Required: [X] No [ ] Yes

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
LEVEL 1	15025	0	15025
TOTAL:	15025	0	15025

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly: [ ] A-1 [ ] A-2 [ ] A-3 [ ] A -4 [ ] A-5
Business: [X]
Educational: [ ]
Factory [ ] F-1 Moderate [ ] F-2 Low
Hazardous: [ ] H-1 Detonate [ ] H-2 Deflagrate [ ] H-3 Combust [ ] H-4 Health [ ] H-5 HPM
Institutional: [ ] I-1 [ ] I-2 [ ] I-3 [ ] I-4
I-1 Condition [ ] 1 [ ] 2
I-2 [ ] 1 [ ] 2
I-3 Condition: [ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5
Mercantile: [ ]
Residential: [ ] R-1 [ ] R-2 [ ] R-3 [ ] R-4
Storage: [ ] S-1 Moderate [ ] S-2 Low [ ] High-piled [ ] Repair Garage [ ] Parking Garage [ ] Open [ ] Enclosed
Utility and Miscellaneous: [ ]

Accessory Occupancy Classification(s): _____
Incidental Uses (Table 509): _____
This separation is not exempt as a Non-Separated Use (see exceptions).
Special Uses (Chapter 4 - List Code Sections): _____
Special Provisions (Chapter 5 - List Code Sections): _____
Mixed Occupancy: [ ] No [ ] Yes Separation: ____Hr. Exception: _____
[ ] Non-Separated Use (508.3)
[ ] Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
Select one

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

_____ + _____ + _____ + _____ + _____ = ≤ 1

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
5					
4					
3					
2					
1					

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ ft (F)
b. Total Building Perimeter = _____ ft (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ ft (W)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)			
Building Height in Stories (Table 504.4)			

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

FIRE PROTECTION REQUIREMENTS

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

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	[X] Yes	[ ] No
Exit Signs:	[X] Yes	[ ] No
Fire Alarm:	[X] Yes	[ ] No
Smoke Detection Systems:	[ ] Yes	[ ] No [X] Partial
Carbon Monoxide Detection:	[ ] Yes	[X] No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet # _____
[ ] Fire and/or smoke rated wall locations (Chapter 7)
[ ] Assumed and real property line locations (if not on the site plan)
[ ] Exterior wall opening area with respect to distance to assumed property lines (705.8)
[ ] Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
[ ] Occupant loads for each area
[ ] Exit access travel distances (1017)
[ ] Common path of travel distances (1006.2.1 & 1006.3.2(1))
[ ] Dead end lengths (1020.4)
[ ] Clear exit widths for each exit door
[ ] Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
[ ] Actual occupant load for each exit door
[ ] A separate schematic plan indicating where fire rated floor/ceiling and/or wall structure is provided for purposes of occupancy separation
[ ] Location of doors with panic hardware (1010.1.10)
[ ] Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
[ ] Location of doors with electromagnetic egress locks (1010.1.9.9)
[ ] Location of doors equipped with hold-open devices
[ ] Location of emergency escape windows (1030)
[ ] The square footage of each fire area (202)
[ ] The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
[ ] Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(Section 1107)

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

ACCESSIBLE PARKING
(Section 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED				TOTAL ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE		
TOTAL:							

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

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

SPECIAL APPROVALS

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

ENERGY SUMMARY

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

Existing building envelope complies with code: _____ (If checked, the remainder of this section is not applicable.)
Exempt Building: _____ Provide code or statutory reference: _____
Climate Zone: [ ] 3A [ ] 4A [ ] 5A
Method of Compliance:
Energy Code: [ ] Performance [ ] Prescriptive
ASHRAE 90.1: [ ] Performance [ ] Prescriptive
Other: [ ] Performance (Specify source) _____

THERMAL ENVELOPE (Prescriptive method only)
Roof/ceiling Assembly (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____
Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing):
U-Value of assembly: _____
Solar heat gain coefficient: _____
Projection Factor: _____
Door R-Values: _____
Walls below grade (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor over unconditioned space (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Floor slab on grade
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
Slab heated: _____

APPENDIX B
2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON SHEET 1 OR 2 OF THE STRUCTURAL SHEETS)

DESIGN LOADS:
Importance Factors: Wind (I_W) _____
Snow (I_S) _____
Seismic (I_E) _____
Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor 0 _____ psf
Ground Snow Load: _____ psf
Wind Load: Basic Wind Speed _____ mph (ASCE-7)
Exposure Category _____

SEISMIC DESIGN CATEGORY: [ ] A [ ] B [ ] C [ ] D
Provide the following Seismic Design Parameters:
Occupancy Category (Table 1604.5): [ ] I [ ] II [ ] III [ ] IV
Spectral Response Acceleration S_S _____ %g S_1 _____ %g
Site Classification (ASCE 7) [ ] A [ ] B [ ] C [ ] D [ ] E [ ] F
Data Source: [ ] Field Test [ ] Presumptive [ ] Historical Data
Basic Structural System (check one)
[ ] Bearing Wall [ ] Dual w/Special Moment Frame
[ ] Building Frame [ ] Dual w/Intermediate R/C or Special Steel
[ ] Moment Frame [ ] Inverted Pendulum
Analysis Procedure: [ ] Simplified [ ] Equivalent Lateral Force [ ] Dynamic
Architectural, Mechanical, Components anchored? [ ] Yes [ ]

LATERAL DESIGN CONTROL: [ ] Earthquake [ ] Wind
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

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

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
winter dry bulb: _____
summer dry bulb: _____
Interior design conditions
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____
Building heating load: _____
Building cooling load: _____
Mechanical Spacing Conditioning System
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason: _____
Chiller
Size category. If oversized, state reason: _____
List equipment efficiencies: _____

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

ELECTRICAL SYSTEMS AND EQUIPMENT
Method of Compliance
Energy Code: [ ] Prescriptive [ ] Performance
ASHRAE 90.1: [ ] Prescriptive [ ] Performance
Lighting Schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified versus allowed (whole building or space by space)
total exterior wattage specified versus allowed
Additional Prescriptive Compliance
[ ] 506.2.1 More Efficient Mechanical Equipment
[ ] 506.2.2 Reduced Lighting Power Density
[ ] 506.2.3 Energy Recovery Ventilation Systems
[ ] 506.2.4 Higher Efficiency Service Water Heating
[ ] 506.2.5 On-Site Supply of Renewable Energy
[ ] 506.2.6 Automatic Daylighting Control Systems

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER XING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY	DRAWN BY
SZ	DRW

SHEET NAME
LET - CODE SUMMARY

SHEET NUMBER	REVISION
G161	

ELECTRICAL ABBREVIATIONS

A	AMPERES OR AMP METER
AC	ALTERNATING CURRENT
AF	AMP FRAME
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECTURAL
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAGE
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
C	CELSIUS; COIL
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION SYSTEM
CD/Cd	CANDELA
CLG	CEILING
COAX	COAXIAL CABLE
CONTR	CONTRACTOR
CT	CURRENT TRANSFORMER
CTV	CABLE TELEVISION
CU	COPPER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
EGC	EQUIPMENT GROUNDING CONDUCTOR
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
ETR	EXISTNG TO REMAIN
EWC	ELECTRIC WATER COOLER
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINATION CABINET
FFE	FINISHED FLOOR ELEVATION
FL	FLOOR
FLA	FULL LOAD AMPS
FLC	FLEXIBLE LIQUIDTIGHT CONDUIT
FLEX	FLEXIBLE
FMC	FLEXIBLE METAL CONDUIT
FT	FEET; FOOT
FU	FUSE
GA	GAUGE; GAGE
GB	GROUND BUS
GC	GENERAL CONTRACTOR
GEC	GROUNDING ELECTRODE CONDUCTOR
GFI, GFCI	GROUND FAULT (CIRCUIT) INTERRUPTER
GND	GROUND
HD	HEAVY DUTY
HOA	HANDS-OFF-AUTOMATIC
HP	HORSEPOWER
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HZ	HERTZ
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LED	LIGHT EMMITING DIODE
LRA	LOCKED ROTOR AMPS
LS	LIFE SAFETY
LTG	LIGHTING

ELECTRICAL ABBREVIATIONS

M	MOTOR; METERING
MC	METAL CLAD
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PROTECTOR
MCS	MOLDED CASE SWITCH
MH	MANHOLE
MIN	MINIMUM
MLO	MAIN LUG ONLY
N, NEU	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN; NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OL	OVERLOAD
P	POLE
PB	PULL BOX
PC	PHOTOCELL
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PT	POINT; POTENTIAL TRANSFORMER
PUN	PER UNIT NAMEPLATE
PVC	POLYVINYL CHLORIDE (CONDUIT)
RD	ROUND
REV	REVISION
RLA	RATED LOAD AMPS
RMC	RIDGID METAL CONDUIT
SN	SOLID NEUTRAL
SNAC	SIGNAL NOTIFICATION APPLIANCE CIRCUIT
SP	SURGE PROTECTED
SPD	SURGE PROTECTED DEVICE
SPDT	SINGLE POLE DOUBLE THROW
SPEC	SPECIFICATION
SPST	SINGLE POLE SINGLE THROW
SQ	SQUARE
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TBB	TELEPHONE BACK BOARD
TELECOM	TELECOMMUNICATIONS
TEMP	TEMPERATURE
THD	TOTAL HARMONIC DISTORTION
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES INC.
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE; VOLT
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WIRE
W/	WITH
WG	WIREGUARD
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
Z	IMPEDANCE
ø	ROUND; DIAMETER; PHASE

FIRE ALARM SYMBOLS

- WALL MTD FIRE ALARM PULL STATION
- SMOKE DETECTOR, CEILING MTD
- SMOKE DETECTOR FOR ELEVATOR RECALL, CEILING MTD
- SMOKE DETECTOR WITH SOUNDER BASE, CEILING MTD
- SMOKE DETECTOR, CEILING MTD, MULTI SENSOR
- CEILING MTD REMOTE ALARM INDICATOR LAMP
- CARBON MONOXIDE DETECTOR
- SMOKE DETECTOR, DUCT MTD (WITH RAIL)
- HEAT DETECTOR, CEILING MTD
- SMOKE DETECTOR, WALL MTD
- SMOKE DETECTOR WITH SOUNDER BASE, WALL MTD
- WALL MTD HEAT DETECTOR
- WALL MTD REMOTE ALARM INDICATOR LAMP (RAIL)
- WALL MTD HORN TYPE AUDIO/VISUAL APPLIANCE
- WALL MTD SPEAKER TYPE AUDIO/VISUAL APPLIANCE
- WALL MTD CHIME TYPE AUDIO/VISUAL APPLIANCE
- WALL MTD VISUAL ALARM APPLIANCE
- CEILING MTD HORN TYPE AUDIO/VISUAL ALARM APPLIANCE
- CEILING MTD SPEAKER TYPE AUDIO/VISUAL ALARM APPLIANCE
- CEILING MTD CHIME TYPE AUDIO/VISUAL ALARM APPLIANCE
- CEILING MTD FIRE ALARM VISUAL DEVICE
- DOOR HOLDER
- FIRE ALARM MONITOR MODULE
- FLOW SWITCH FIRE ALARM CONNECTION, SWITCH PROVIDED BY OTHERS
- TAMPER SWITCH FIRE ALARM CONNECTION, SWITCH PROVIDED BY OTHERS
- POST INDICATOR VALVE FIRE ALARM CONNECTION, VALVE PROVIDED BY OTHERS
- FIRE ALARM TEMPERATURE SENSOR
- FIRE ALARM CONTROL MODULE OR RELAY
- CEILING MTD FIRE ALARM SPEAKER
- CLOCK
- FIRE ALARM BELL; # INDICATED DIAMETER IN INCHES
- LINEAR BEAM TRANSMITTER
- LINEAR BEAM RECEIVER
- FIRE ALARM WALL MTD SPEAKER
- FIREMAN'S 2-WAY TELEPHONE
- FIRE ALARM ISOLATION MODULE
- FIRE ALARM ASPIRATION SMOKE DETECTOR
- DIGITAL ALARM COMMUNICATIONS TRANSMITTER
- FIRE ALARM ANNUNCIATOR PANEL
- FIRE ALARM CONTROL PANEL
- FIRE ALARM TERMINAL CABINET
- SUPPLEMENTAL NOTIFICATION APPLIANCE CABINET
- NEW WORK
- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- PANELBOARD, 250V LEVEL
- PANELBOARD, 600V LEVEL

GENERAL SYMBOLS

- PLAN OR DETAIL NUMBER / SHEET NUMBER
- ELEVATION LETTER / SHOWN ON SHEET NUMBER
- SECTION NUMBER / SHOWN ON SHEET NUMBER
- DIMENSION LINE
- DETAIL NUMBER WITH SHEET NO.
- COLUMN NUMBER OR LETTER
- DRAWING REVISION NUMBER
- KEYED NOTE NUMBER
- CONNECT TO EXISTING
- REMOVE TO THIS POINT
- NORTH ARROW

ELECTRICAL DEMOLITION NOTES

1. ALL DEMOLITION WORK IS TO BE COORDINATED WITH PHASING OF CONSTRUCTION AND BID ALTERNATES AS OUTLINED ON ARCHITECTURAL SHEETS.
2. REMOVE ALL ELECTRICAL CONDUIT, CABLE, WIRING, DEVICES, JUNCTION BOXES, FITTINGS, AND RELATED ITEMS FROM ALL WALLS, CEILINGS, FLOORS, AND/OR PORTIONS OF SAME INDICATED AS BEING DEMOLISHED BY ANY DIVISION OF THE CONTRACT DOCUMENT SET OR INDICATED ELSEWHERE IN THE CONTRACT DOCUMENT SET AS REQUIRING ELECTRICAL DEMOLITION.
3. EXTEND OR RELOCATE ALL EXISTING CIRCUITS AND RELATED ITEMS SERVING EXISTING UTILIZATION OR OTHER EQUIPMENT WHERE SUCH CIRCUITS OR ITEMS ARE DISRUPTED DUE TO DEMOLITION ACTIVITIES OF ANY DIVISION OF THIS PROJECT. RELOCATE ALL EXISTING JUNCTION BOXES OR SIMILAR ITEMS THAT WILL BE RENDERED INACCESSIBLE BY NEW CONSTRUCTION FURNISHED UNDER ANY DIVISION OF THIS PROJECT. PROVIDE ANY AND ALL TEMPORARY ELECTRICAL SUPPLY (SUPPLIES) AS NEEDED TO MEET THIS REQUIREMENT.
4. REMOVE ALL ABANDONED CIRCUITS BACK TO THE POINT OF SUPPLY OR BACK TO THE POINT WHERE OTHER REMAINING LOADS ARE CONNECTED. LABEL ANY UNUSED OVERCURRENT DEVICES AS "SPARE".
5. WHERE EQUIPMENT OR DEVICES ARE REMOVED AND NOT REPLACED BY A SIMILAR ITEM OR EQUIPMENT, REPAIR WALL SURFACES TO MATCH EXISTING SURROUNDING SURFACE. PAINT AS REQUIRED TO MATCH EXISTING FINISHES.
6. PROVIDE NEW SUPPORT(S) OR RE-SUPPORT AS REQUIRED ALL EXISTING CONDUIT, JUNCTION BOXES, CABLES, AND/OR OTHER ELECTRICAL ITEMS AS REQUIRED TO MEET THE SUPPORT REQUIREMENTS OF THE PRESENT PROJECT.
7. PROVIDE NEW, OR REWORK EXISTING, FIRE STOPPING AT ALL THROUGH-PENETRATIONS OF CONDUIT OR OTHER ELECTRICAL ITEMS THAT WILL REMAIN AT THE CONCLUSION OF THE PROJECT. FIRE STOPPING PROVIDED FOR EXISTING ITEMS MUST MEET THE REQUIREMENTS OF THE PRESENT PROJECT.
8. WHERE EXISTING FIXTURES ARE TO BE REUSED, USE MILD DETERGENT AND CLEAN ALL INTERIOR AND EXTERIOR SURFACES. REPLACE LAMPS AND BALLAST'S AND ANY MISSING OR BROKEN ELECTRICAL PARTS. ALL FLUORESCENT LAMPS ARE TO BE COOL WHITE.
9. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING ALL PHASES OF CONSTRUCTION.
10. CIRCUIT NUMBERING IN PARENTHESIS ( ) ARE BASED ON PREVIOUS PROJECT DOCUMENTATION ARE PROVIDED IN GOOD FAITH AND ARE BELIEVED TO BE ACCURATE. CONTRACTOR IS TO VERIFY EXISTING CIRCUITING AND CONSULT ENGINEER IF SERIOUS DISCREPENSIES EXIST.

FIRE ALARM GENERAL NOTES

1. ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE UTILIZED FOR THIS PROJECT.
2. SYMBOLS NOT SHOWN ON THIS ELECTRICAL SYMBOL LEGEND ARE IDENTIFIED ON THE DRAWINGS WHERE THEY OCCUR.
3. FIRE ALARM PULL STATIONS ARE TO BE VERTICALLY MOUNTED AT 42" AFF.
4. FIRE ALARM INDICATING APPLIANCES SHALL BE 15 Cd RATING, UNLESS NOTED OTHERWISE ON THE PLANS.
5. FIRE ALARM INDICATING APPLIANCES ARE TO BE MOUNTED WITH THE LOWER EDGE OF THE VISUAL ELEMENT AT 6'-8" AFF OR 6" BFC, WHICHEVER IS LOWER. WHERE DUCTWORK, CONDUIT, OR OTHER OBSTRUCTIONS BLOCK DIRECT VIEW OF APPLIANCE, MOUNT 6" BELOW SUCH OBSTRUCTIONS.
6. CEILING MOUNTED SMOKE DETECTORS ARE SHOWN IN APPROXIMATE LOCATION. COORDINATE EXACT LOCATION WITH CEILING FEATURES. WALL MOUNTED SMOKE DETECTECTORS ARE TO BE MOUNTED 10" BELOW FINISHED CEILING TO THE CENTER OF DEVICE AND A MINIMUM OF 12" FROM ADJACENT WALLS OR OTHER OBSTRUCTIONS.
7. COORDINATE SMOKE DETECTOR AND HEAT DETECTOR LOCATIONS WITH HVAC SUPPLY AND RETURN GRILLES. MAINTAIN 3'-0" CLEARANCE BETWEEN EDGE OF SUPPLY GRILL AND EDGE OF SMOKE DETECTOR.

FIRE ALARM DRAWING LIST

Salas O'Brien

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Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 052051 ENGINEER JING ZHOU

04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

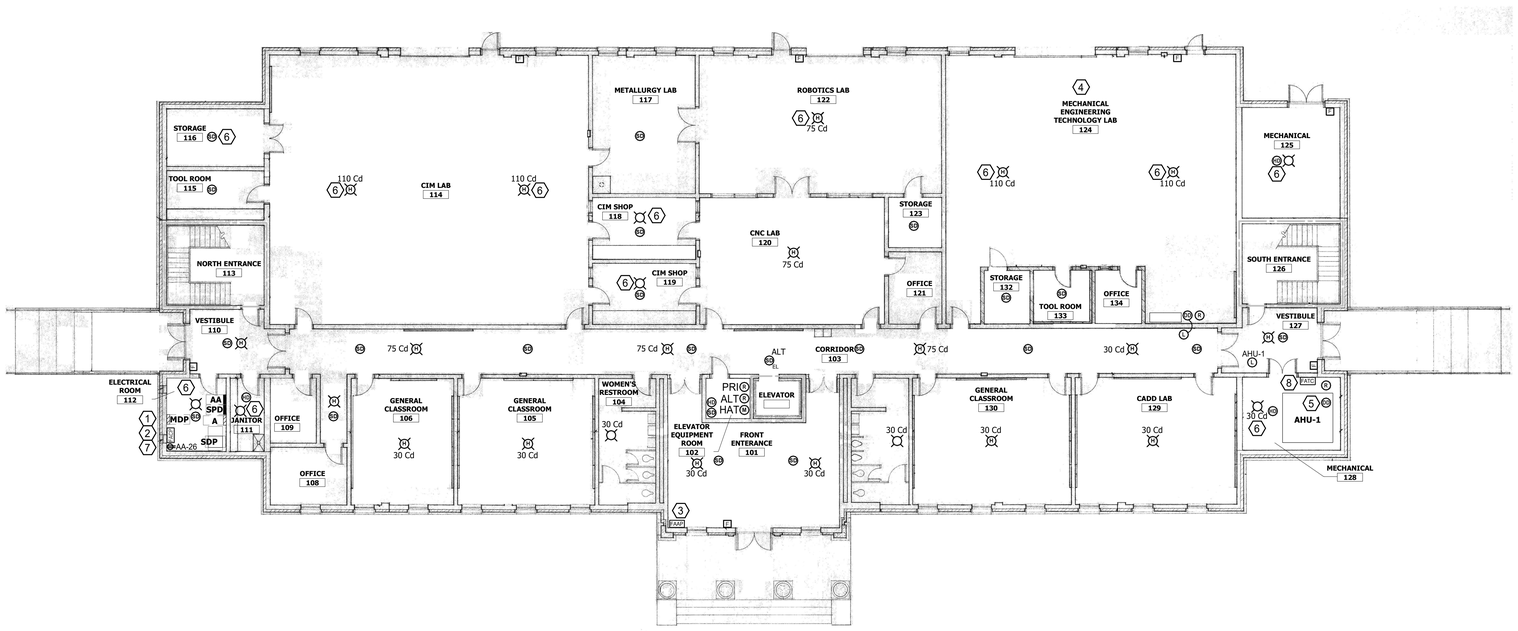
Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
STANDARDS, SYMBOLS & ABBREVIATIONS

SHEET NUMBER: FA001
REVISION:

1 FA111 **LEVEL 1 - AB WHITLEY - DEMOLITION**
SCALE: 3/32" = 1'-0"



2 FA111 **LEVEL 1 - AB WHITLEY - NEW WORK**
SCALE: 3/32" = 1'-0"

PARTITION SCHEDULE
1 HOUR RATED PARTITION

GENERAL NOTES TO FA111

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

DEMOLITION NOTES TO FA111

1 EXISTING FACP AND FIRE ALARM DEVICES SHOWN SHALL BE DEMOLISHED AFTER NEW SYSTEM TESTED, ACCEPTED AND PLACED INTO SERVICE. COORDINATE WITH OWNER ON ANY DOWNTIME BEFORE NEW SYSTEM IS COMPLETE AND OPERATIONAL.

2 PROVIDE BLANK COVERS AT ALL LOCATIONS WHERE EXISTING WALL AND CEILING MOUNTED BACKBOXES IN FINISHED WALLS AND CEILINGS ARE ABANDONED IN PLACE.

⬡ NEW WORK KEY NOTES TO FA111

1 PROVIDE NEW JCI/SIMPLEX 4007ES (OR APPROVED EQUIVALENT) FIRE ALARM CONTROL PANEL. NEW FACP SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING: CPU WITH DISPLAY, TWO (2) LOOP CARDS, POWER SUPPLY(IES), DACT, AHU BYPASS SWITCH, ETC.

2 PROVIDE NEW BATTERY CABINET AND CHARGER (CHARGER TO BE LOCATED IN FACP).

3 PROVIDE NEW JCI/SIMPLEX 4606 SERIES REMOTE ANNUNCIATOR (OR APPROVED EQUAL).

4 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

5 TYPICAL: PROVIDE DUCT DETECTORS, SAMPLING TUBES, REMOTE CONTROL RELAYS, REMOTE ALARM INDICATING LIGHTS (RAIL), ETC. ASSOCIATED WITH THE DUCT DETECTOR INSTALLATIONS. WHERE SHOWN ON THE DRAWINGS, AIR DUCT DETECTORS MUST HAVE A RAIL WITH A KEYED ALARM TEST SWITCH, LOCATED IN THE NEAREST CORRIDOR OR PUBLIC AREA AND IDENTIFIED BY AN ENGRAVED LABEL AFFIXED TO THE WALL OR CEILING. SAMPLING TUBE LENGTHS SHALL BE PROVIDED PER SPECIFICATIONS. CONTRACTOR SHALL PROVIDE MECHANICAL CONTRACTOR TO DEMOLISH EXISTING DUCT DETECTORS AND INSTALL NEW DUCT DETECTORS IN DUCTWORK. MECHANICAL CONTRACTOR SHALL ALSO CLEAN, PATCH, AND REPAIR ANY DAMAGE TO EXISTING DUCTWORK AND INSULATION TO PROVIDE A CLEAN FINISHED PRODUCT UPON COMPLETION. EXISTING ACCESS PANEL MAY SERVE AS ACCESS TO SAMPLING TUBE AS LONG AS POSITIONED TO PROVIDE SUFFICIENT ACCESS FOR INSPECTION AND CLEANING OF TUBE; OTHERWISE PROVIDE NEW ACCESS PANEL AS REQUIRED.

6 EXISTING SPACE IS OPEN CEILING. NEW DEVICES SHALL BE PENDANT MOUNT OR ATTACHED TO EXPOSED STRUCTURE. COORDINATE DEVICE MOUNTING HEIGHT AND INSTALLATION WITH EXISTING EQUIPMENT IN THE SPACE AND ANY OVERHEAD ITEMS THAT NEED TO BE COORDINATED.

7 PROVIDE NEW 120V CIRCUIT FOR FACP POWER.

8 COORDINATE EXACT LOCATION OF FATC IN THE FIELD WITH EXISTING EQUIPMENT IN THE SPACE.

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Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

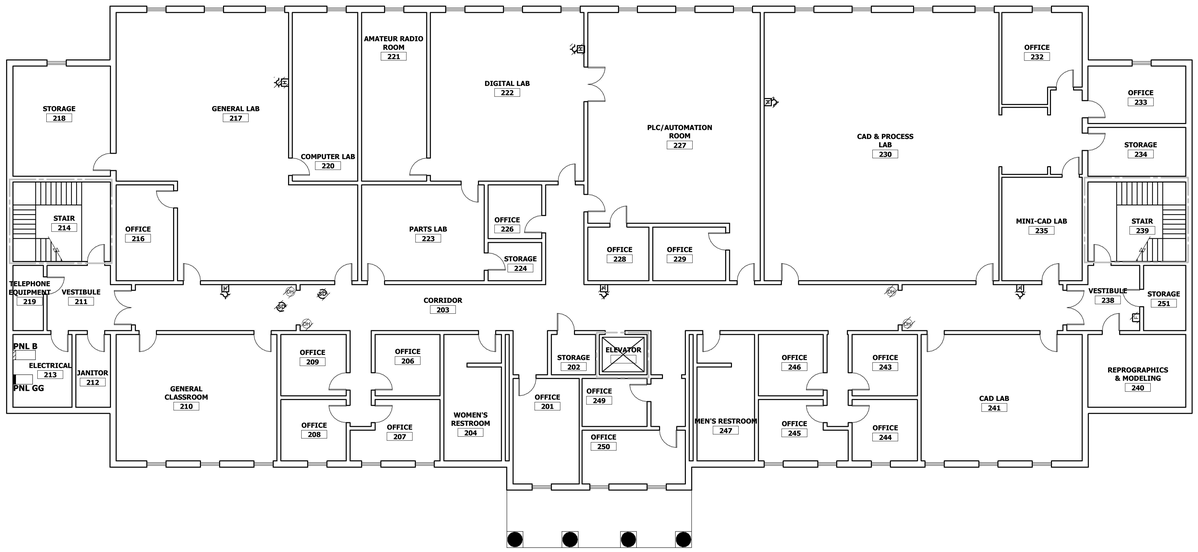
REVISIONS

Δ	DESCRIPTION	DATE

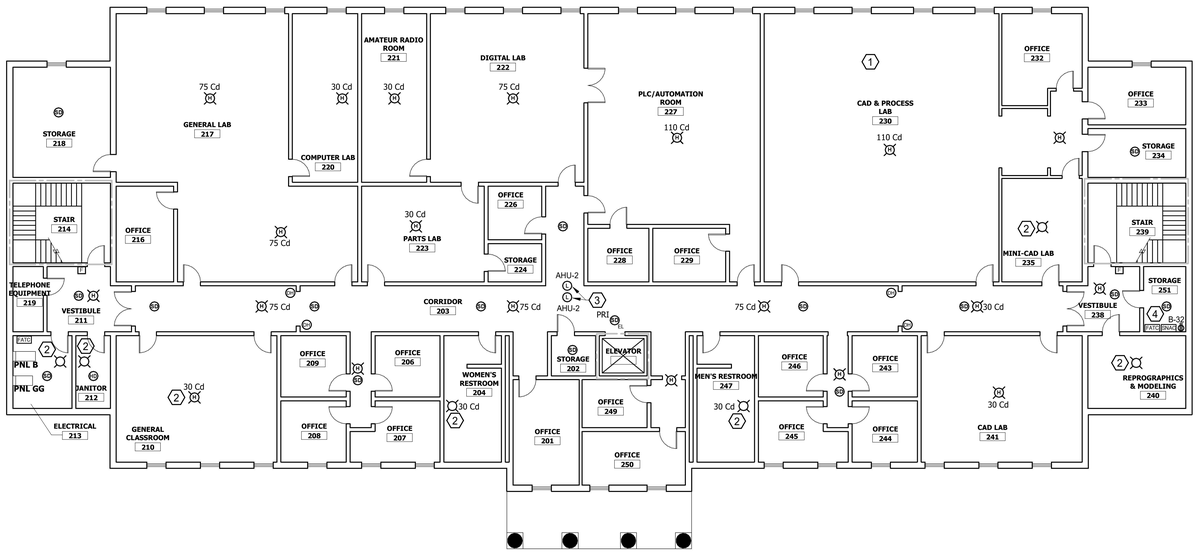
CHECKED BY SZ
DRAWN BY DRW

SHEET NAME
LEVEL 1 - AB WHITLEY

SHEET NUMBER FA111
REVISION



1 FA112 **LEVEL 2 - AB WHITLEY - DEMOLITION**
SCALE: 3/32" = 1'-0"



2 FA112 **LEVEL 2 - AB WHITLEY - NEW WORK**
SCALE: 3/32" = 1'-0"

GENERAL NOTES TO FA112

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

DEMOLITION NOTES TO FA112

1 EXISTING FACP AND FIRE ALARM DEVICES SHOWN SHALL BE DEMOLISHED AFTER NEW SYSTEM TESTED, ACCEPTED AND PLACED INTO SERVICE. COORDINATE WITH OWNER ON ANY DOWNTIME BEFORE NEW SYSTEM IS COMPLETE AND OPERATIONAL.

2 PROVIDE BLANK COVERS AT ALL LOCATIONS WHERE EXISTING WALL AND CEILING MOUNTED BACKBOXES IN FINISHED WALLS AND CEILINGS ARE ABANDONED IN PLACE.

⬡ NEW WORK KEY NOTES TO FA112

1 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

2 EXISTING SPACE IS OPEN CEILING. NEW DEVICES SHALL BE PENDANT MOUNT OR ATTACHED TO EXPOSED STRUCTURE. COORDINATE DEVICE MOUNTING HEIGHT AND INSTALLATION WITH EXISTING EQUIPMENT IN THE SPACE AND ANY OVERHEAD ITEMS THAT NEED TO BE COORDINATED.

3 PROVIDE REMOTE ALARM INDICATING LIGHT (RAIL) AND TEST SWITCH IN THE CEILING FOR DUCT DETECTORS PROTECTING AHU-2 (LOCATED IN THE MECHANICAL ROOM ON LEVEL 3).

4 COORDINATE EXACT LOCATION OF FATC AND SNAC IN THE FIELD WITH EXISTING EQUIPMENT IN THE SPACE.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
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Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
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CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

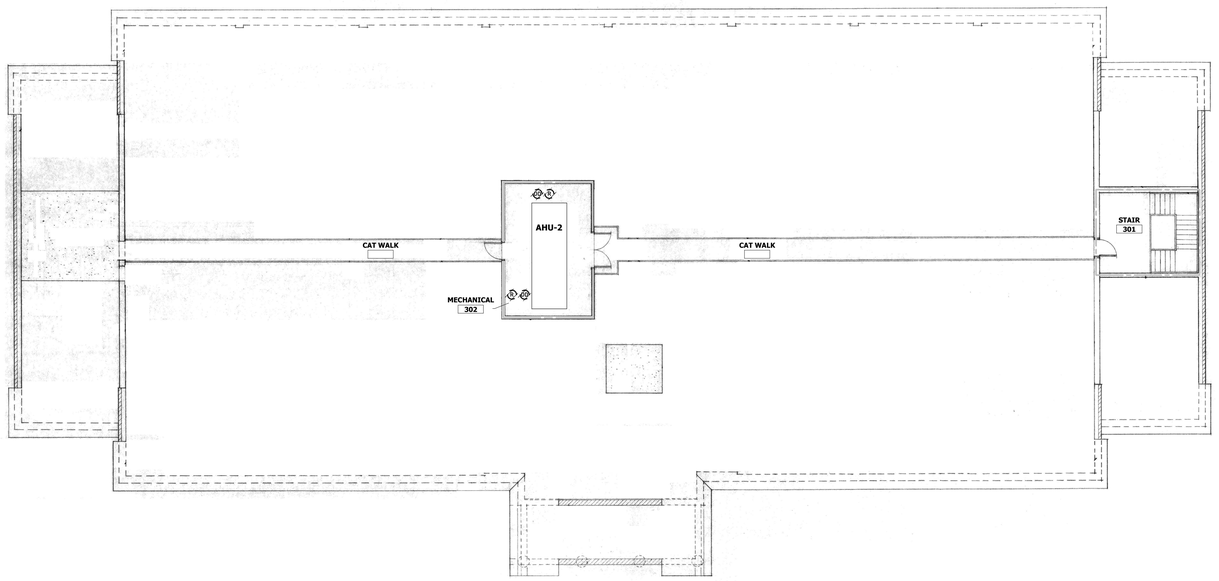
REVISIONS

Δ	DESCRIPTION	DATE

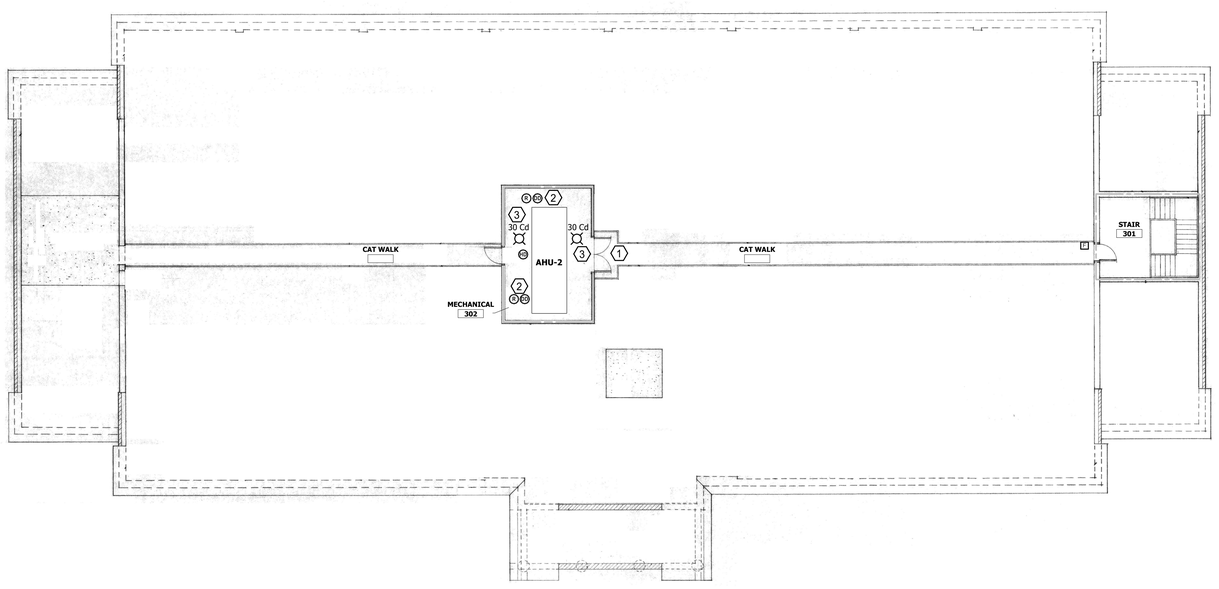
CHECKED BY SZ
DRAWN BY DRW

SHEET NAME
LEVEL 2 - AB WHITLEY

SHEET NUMBER FA112
REVISION



1 FA113 **LEVEL 3 - AB WHITLEY - DEMOLITION**
SCALE: 3/32" = 1'-0"



2 FA113 **LEVEL 3 - AB WHITLEY - NEW WORK**
SCALE: 3/32" = 1'-0"

GENERAL NOTES TO FA113

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

DEMOLITION NOTES TO FA113

1 EXISTING FACP AND FIRE ALARM DEVICES SHOWN SHALL BE DEMOLISHED AFTER NEW SYSTEM TESTED, ACCEPTED AND PLACED INTO SERVICE. COORDINATE WITH OWNER ON ANY DOWNTIME BEFORE NEW SYSTEM IS COMPLETE AND OPERATIONAL.

2 PROVIDE BLANK COVERS AT ALL LOCATIONS WHERE EXISTING WALL AND CEILING MOUNTED BACKBOXES IN FINISHED WALLS AND CEILINGS ARE ABANDONED IN PLACE.

⬡ NEW WORK KEY NOTES TO FA113

1 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

2 TYPICAL: PROVIDE DUCT DETECTORS, SAMPLING TUBES, REMOTE CONTROL RELAYS, REMOTE ALARM INDICATING LIGHTS (RAIL), ETC. ASSOCIATED WITH THE DUCT DETECTOR INSTALLATIONS. WHERE SHOWN ON THE DRAWINGS, AIR DUCT DETECTORS MUST HAVE A RAIL WITH A KEYED ALARM TEST SWITCH, LOCATED IN THE NEAREST CORRIDOR OR PUBLIC AREA AND IDENTIFIED BY AN ENGRAVED LABEL AFFIXED TO THE WALL OR CEILING. SAMPLING TUBE LENGTHS SHALL BE PROVIDED PER SPECIFICATIONS. CONTRACTOR SHALL PROVIDE MECHANICAL CONTRACTOR TO DEMOLISH EXISTING DUCT DETECTORS AND INSTALL NEW DUCT DETECTORS IN DUCTWORK. MECHANICAL CONTRACTOR SHALL ALSO CLEAN, PATCH, AND REPAIR ANY DAMAGE TO EXISTING DUCTWORK AND INSULATION TO PROVIDE A CLEAN FINISHED PRODUCT UPON COMPLETION. EXISTING ACCESS PANEL MAY SERVE AS ACCESS TO SAMPLING TUBE AS LONG AS POSITIONED TO PROVIDE SUFFICIENT ACCESS FOR INSPECTION AND CLEANING OF TUBE; OTHERWISE PROVIDE NEW ACCESS PANEL AS REQUIRED.

3 EXISTING SPACE IS OPEN CEILING. NEW DEVICES SHALL BE PENDANT MOUNT OR ATTACHED TO EXPOSED STRUCTURE. COORDINATE DEVICE MOUNTING HEIGHT AND INSTALLATION WITH EXISTING EQUIPMENT IN THE SPACE AND ANY OVERHEAD ITEMS THAT NEED TO BE COORDINATED.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
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Raleigh (919) 832-8118
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Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY SZ
DRAWN BY DRW

SHEET NAME
LEVEL 3 - AB WHITLEY

SHEET NUMBER FA113
REVISION

GENERAL NOTES TO FA121

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

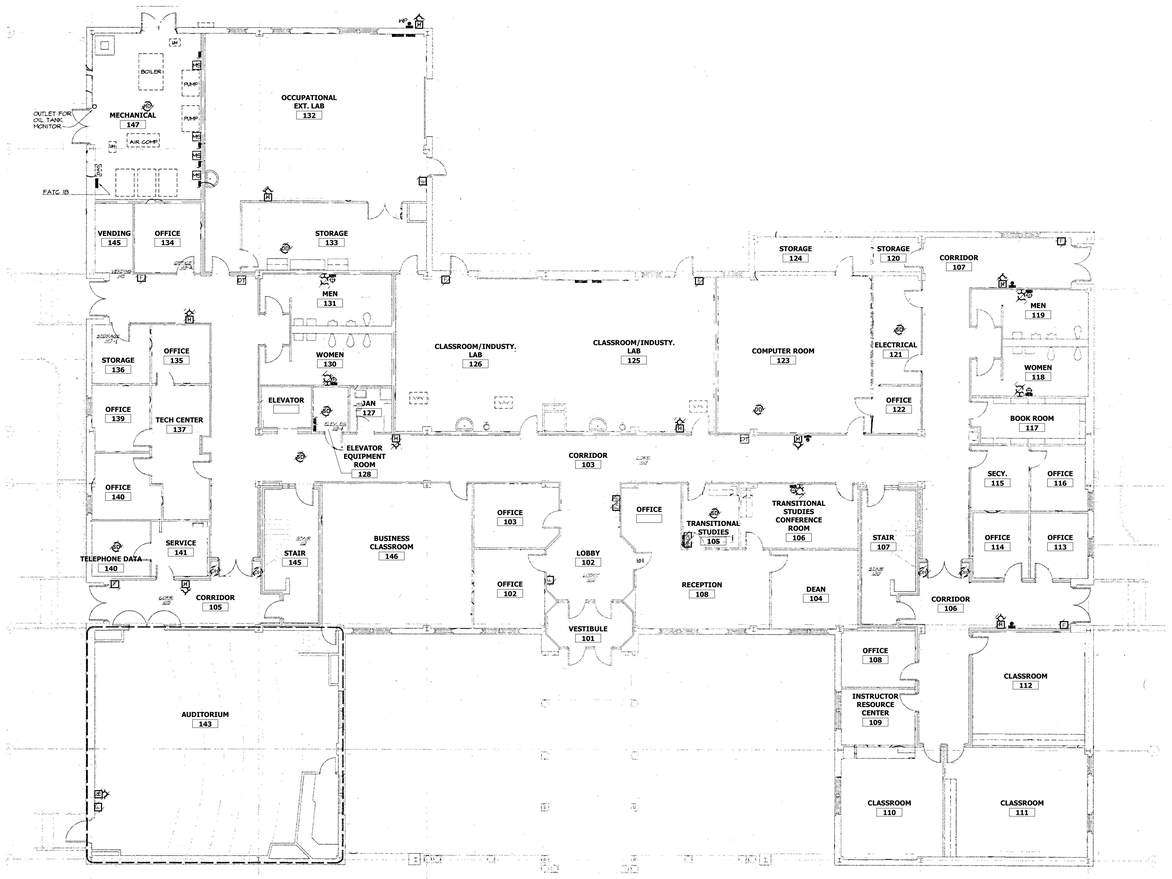
3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

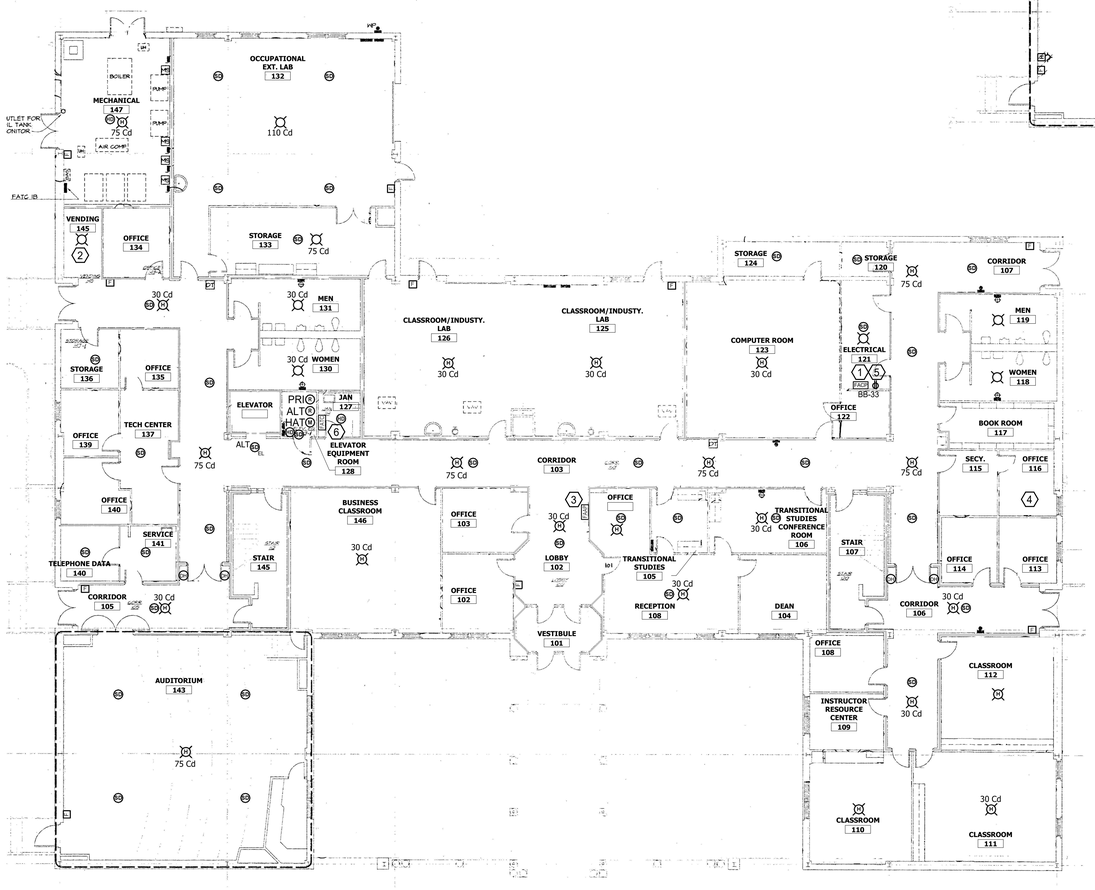
DEMOLITION NOTES TO FA121

1 EXISTING FACP AND FIRE ALARM DEVICES SHOWN SHALL BE DEMOLISHED AFTER NEW SYSTEM TESTED, ACCEPTED AND PLACED INTO SERVICE. COORDINATE WITH OWNER ON ANY DOWNTIME BEFORE NEW SYSTEM IS COMPLETE AND OPERATIONAL.

2 PROVIDE BLANK COVERS AT ALL LOCATIONS WHERE EXISTING WALL AND CEILING MOUNTED BACKBOXES IN FINISHED WALLS AND CEILINGS ARE ABANDONED IN PLACE.



1 FA121 **LEVEL 1 - LESLIE - DEMOLITION**
SCALE: 3/32" = 1'-0"



2 FA121 **LEVEL 1 - LESLIE - NEW WORK**
SCALE: 3/32" = 1'-0"

NEW WORK KEY NOTES TO FA121

1 PROVIDE NEW JCI/SIMPLEX 4007ES (OR APPROVED EQUIVALENT) FIRE ALARM CONTROL PANEL. NEW FACP SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING: CPU WITH DISPLAY, TWO (2) LOOP CARDS, POWER SUPPLY(IES), DACT, AHU BYPASS SWITCH, ETC.

2 EXISTING SPACE IS OPEN CEILING. NEW DEVICES SHALL BE PENDANT MOUNT OR ATTACHED TO EXPOSED STRUCTURE. COORDINATE DEVICE MOUNTING HEIGHT AND INSTALLATION WITH EXISTING EQUIPMENT IN THE SPACE AND ANY OVERHEAD ITEMS THAT NEED TO BE COORDINATED.

3 PROVIDE NEW JCI/SIMPLEX 4606 REMOTE ANNUNCIATOR (OR APPROVED EQUAL).

4 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

5 PROVIDE NEW 120V CIRCUIT FOR FACP POWER.

6 COORDINATE EXACT LOCATION OF FATC IN THE FIELD WITH EXISTING EQUIPMENT IN THE SPACE.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

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702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
LEVEL 1 - LESLIE

SHEET NUMBER
FA121

REVISION

GENERAL NOTES TO FA122

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

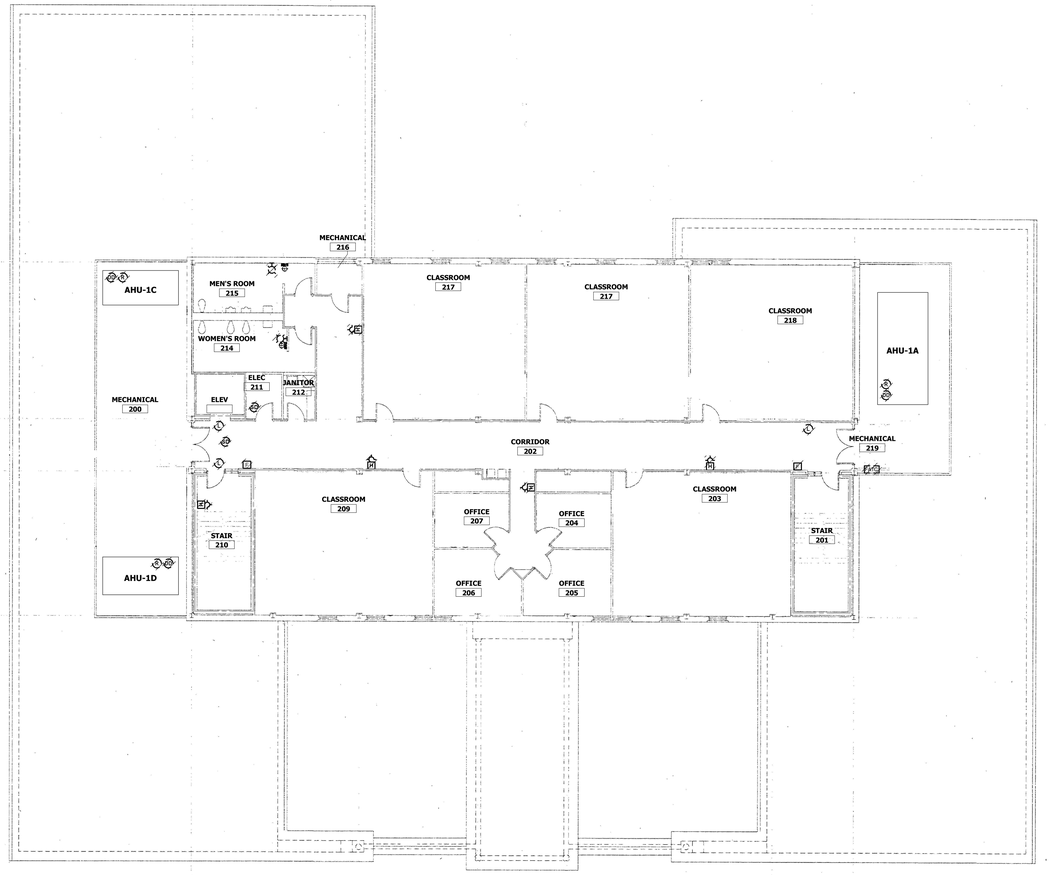
3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

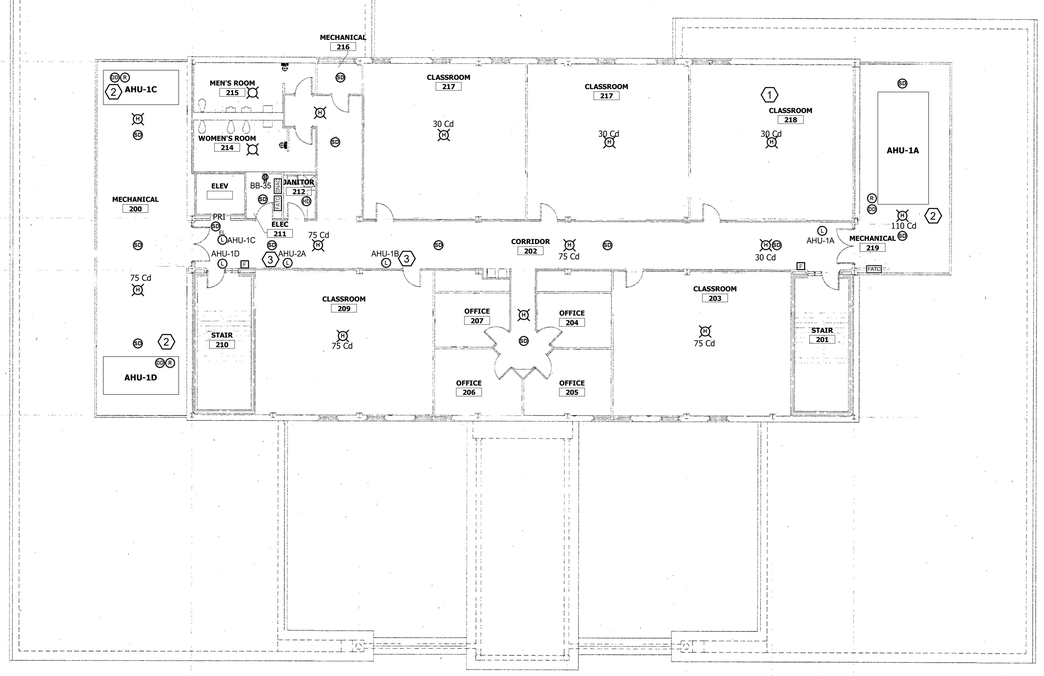
DEMOLITION NOTES TO FA122

1 EXISTING FACP AND FIRE ALARM DEVICES SHOWN SHALL BE DEMOLISHED AFTER NEW SYSTEM TESTED, ACCEPTED AND PLACED INTO SERVICE. COORDINATE WITH OWNER ON ANY DOWNTIME BEFORE NEW SYSTEM IS COMPLETE AND OPERATIONAL.

2 PROVIDE BLANK COVERS AT ALL LOCATIONS WHERE EXISTING WALL AND CEILING MOUNTED BACKBOXES IN FINISHED WALLS AND CEILINGS ARE ABANDONED IN PLACE.



1 FA122 **LEVEL 2 - LESLIE - DEMOLITION**
SCALE: 3/32" = 1'-0"



2 FA122 **LEVEL 2 - LESLIE - NEW WORK**
SCALE: 3/32" = 1'-0"

NEW WORK KEY NOTES TO FA122

1 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

2 TYPICAL: PROVIDE DUCT DETECTORS, SAMPLING TUBES, REMOTE CONTROL RELAYS, REMOTE ALARM INDICATING LIGHTS (RAIL), ETC. ASSOCIATED WITH THE DUCT DETECTOR INSTALLATIONS. WHERE SHOWN ON THE DRAWINGS, AIR DUCT DETECTORS MUST HAVE A RAIL WITH A KEYED ALARM TEST SWITCH, LOCATED IN THE NEAREST CORRIDOR OR PUBLIC AREA AND IDENTIFIED BY AN ENGRAVED LABEL AFFIXED TO THE WALL OR CEILING. SAMPLING TUBE LENGTHS SHALL BE PROVIDED PER SPECIFICATIONS. CONTRACTOR SHALL PROVIDE MECHANICAL CONTRACTOR TO DEMOLISH EXISTING DUCT DETECTORS AND INSTALL NEW DUCT DETECTORS IN DUCTWORK. MECHANICAL CONTRACTOR SHALL ALSO CLEAN, PATCH, AND REPAIR ANY DAMAGE TO EXISTING DUCTWORK AND INSULATION TO PROVIDE A CLEAN FINISHED PRODUCT UPON COMPLETION. EXISTING ACCESS PANEL MAY SERVE AS ACCESS TO SAMPLING TUBE AS LONG AS POSITIONED TO PROVIDE SUFFICIENT ACCESS FOR INSPECTION AND CLEANING OF TUBE; OTHERWISE PROVIDE NEW ACCESS PANEL AS REQUIRED.

3 PROVIDE REMOTE ALARM INDICATING LIGHT (RAIL) AND TEST SWITCH IN THE CEILING FOR DUCT DETECTORS PROTECTING AHU-2 (LOCATED IN THE MECHANICAL ROOM ON LEVEL 3).

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA REGISTERED SEAL 052051 ENGINEER
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

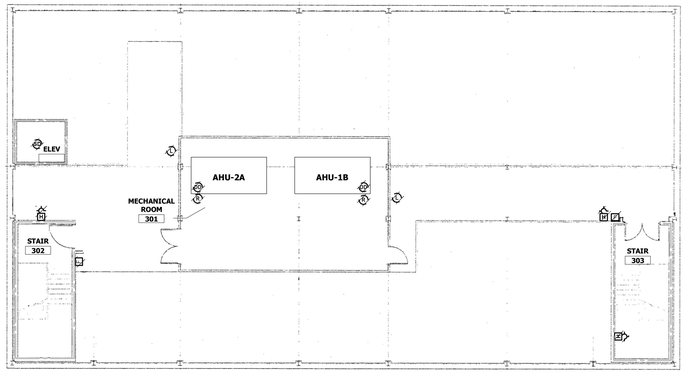
REVISIONS

Δ	DESCRIPTION	DATE

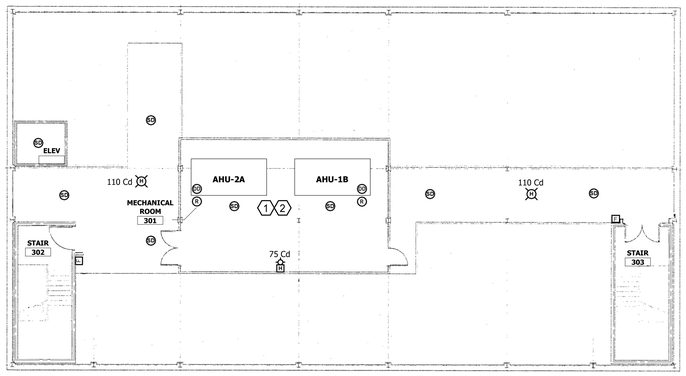
CHECKED BY SZ
DRAWN BY DRW

SHEET NAME
LEVEL 2 - LESLIE

SHEET NUMBER FA122
REVISION



1 FA123 **LEVEL 3 - LESLIE - DEMOLITION**
SCALE: 3/32" = 1'-0"



2 FA123 **LEVEL 3 - LESLIE - NEW WORK**
SCALE: 3/32" = 1'-0"

GENERAL NOTES TO FA123

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION. BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

DEMOLITION NOTES TO FA123

1 EXISTING FACP AND FIRE ALARM DEVICES SHOWN SHALL BE DEMOLISHED AFTER NEW SYSTEM TESTED, ACCEPTED AND PLACED INTO SERVICE. COORDINATE WITH OWNER ON ANY DOWNTIME BEFORE NEW SYSTEM IS COMPLETE AND OPERATIONAL.

2 PROVIDE BLANK COVERS AT ALL LOCATIONS WHERE EXISTING WALL AND CEILING MOUNTED BACKBOXES IN FINISHED WALLS AND CEILINGS ARE ABANDONED IN PLACE.

⬡ NEW WORK KEY NOTES TO FA123

1 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

2 TYPICAL: PROVIDE DUCT DETECTORS, SAMPLING TUBES, REMOTE CONTROL RELAYS, REMOTE ALARM INDICATING LIGHTS (RAIL), ETC. ASSOCIATED WITH THE DUCT DETECTOR INSTALLATIONS. WHERE SHOWN ON THE DRAWINGS, AIR DUCT DETECTORS MUST HAVE A RAIL WITH A KEYED ALARM TEST SWITCH, LOCATED IN THE NEAREST CORRIDOR OR PUBLIC AREA AND IDENTIFIED BY AN ENGRAVED LABEL AFFIXED TO THE WALL OR CEILING. SAMPLING TUBE LENGTHS SHALL BE PROVIDED PER SPECIFICATIONS. CONTRACTOR SHALL PROVIDE MECHANICAL CONTRACTOR TO DEMOLISH EXISTING DUCT DETECTORS AND INSTALL NEW DUCT DETECTORS IN DUCTWORK. MECHANICAL CONTRACTOR SHALL ALSO CLEAN, PATCH, AND REPAIR ANY DAMAGE TO EXISTING DUCTWORK AND INSULATION TO PROVIDE A CLEAN FINISHED PRODUCT UPON COMPLETION. EXISTING ACCESS PANEL MAY SERVE AS ACCESS TO SAMPLING TUBE AS LONG AS POSITIONED TO PROVIDE SUFFICIENT ACCESS FOR INSPECTION AND CLEANING OF TUBE; OTHERWISE PROVIDE NEW ACCESS PANEL AS REQUIRED.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

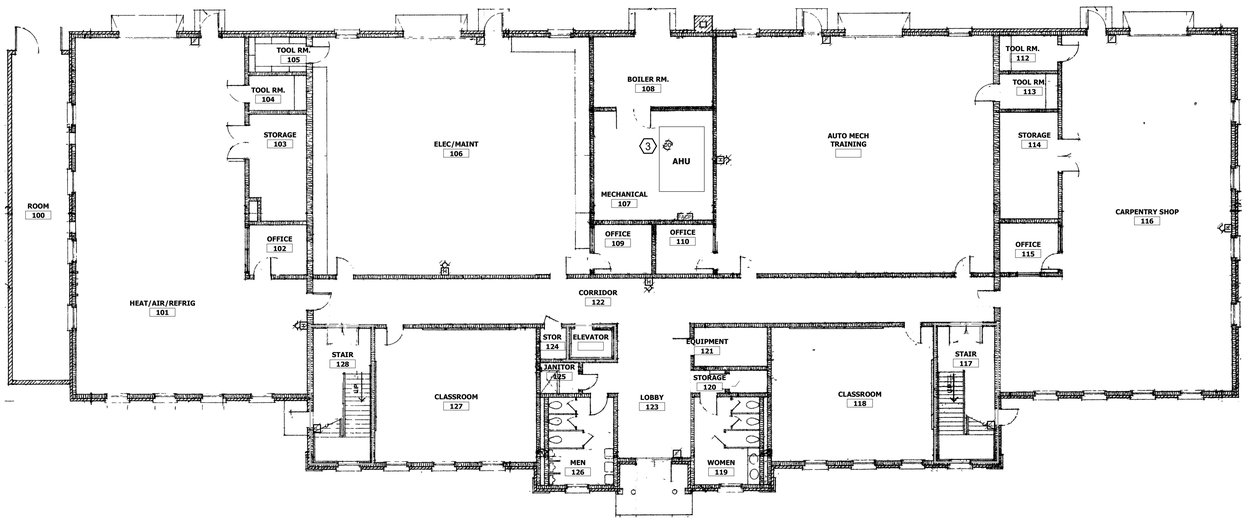
REVISIONS

Δ	DESCRIPTION	DATE

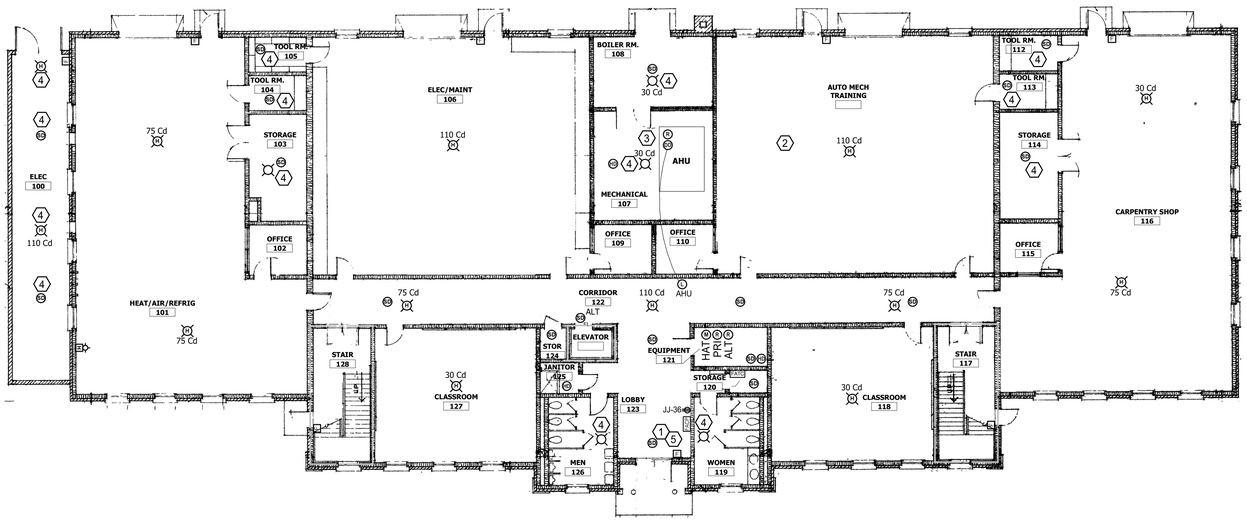
CHECKED BY SZ
DRAWN BY DRW

SHEET NAME
LEVEL 3 - LESLIE

SHEET NUMBER FA123
REVISION



1 FA131 **LEVEL 1 - WHICHARD - DEMOLITION**
SCALE: 3/32" = 1'-0"



2 FA131 **LEVEL 1 - WHICHARD - NEW WORK**
SCALE: 3/32" = 1'-0"

GENERAL NOTES TO FA131

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

DEMOLITION NOTES TO FA131

1 EXISTING FACP AND FIRE ALARM DEVICES SHOWN SHALL BE DEMOLISHED AFTER NEW SYSTEM TESTED, ACCEPTED AND PLACED INTO SERVICE. COORDINATE WITH OWNER ON ANY DOWNTIME BEFORE NEW SYSTEM IS COMPLETE AND OPERATIONAL.

2 PROVIDE BLANK COVERS AT ALL LOCATIONS WHERE EXISTING WALL AND CEILING MOUNTED BACKBOXES IN FINISHED WALLS AND CEILINGS ARE ABANDONED IN PLACE.

⬡ NEW WORK KEY NOTES TO FA131

1 PROVIDE NEW JCI/SIMPLEX 4007ES (OR APPROVED EQUIVALENT) FIRE ALARM CONTROL PANEL. NEW FACP SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING: CPU WITH DISPLAY, TWO (2) LOOP CARDS, POWER SUPPLY(IES), DACT, AHU BYPASS SWITCH, ETC.

2 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

3 TYPICAL: PROVIDE DUCT DETECTORS, SAMPLING TUBES, REMOTE CONTROL RELAYS, REMOTE ALARM INDICATING LIGHTS (RAIL), ETC. ASSOCIATED WITH THE DUCT DETECTOR INSTALLATIONS. WHERE SHOWN ON THE DRAWINGS, AIR DUCT DETECTORS MUST HAVE A RAIL WITH A KEYED ALARM TEST SWITCH, LOCATED IN THE NEAREST CORRIDOR OR PUBLIC AREA AND IDENTIFIED BY AN ENGRAVED LABEL AFFIXED TO THE WALL OR CEILING. SAMPLING TUBE LENGTHS SHALL BE PROVIDED PER SPECIFICATIONS. CONTRACTOR SHALL PROVIDE MECHANICAL CONTRACTOR TO DEMOLISH EXISTING DUCT DETECTORS AND INSTALL NEW DUCT DETECTORS IN DUCTWORK. MECHANICAL CONTRACTOR SHALL ALSO CLEAN, PATCH, AND REPAIR ANY DAMAGE TO EXISTING DUCTWORK AND INSULATION TO PROVIDE A CLEAN FINISHED PRODUCT UPON COMPLETION. EXISTING ACCESS PANEL MAY SERVE AS ACCESS TO SAMPLING TUBE AS LONG AS POSITIONED TO PROVIDE SUFFICIENT ACCESS FOR INSPECTION AND CLEANING OF TUBE; OTHERWISE PROVIDE NEW ACCESS PANEL AS REQUIRED.

4 EXISTING SPACE IS OPEN CEILING. NEW DEVICES SHALL BE PENDANT MOUNT OR ATTACHED TO EXPOSED STRUCTURE. COORDINATE DEVICE MOUNTING HEIGHT AND INSTALLATION WITH EXISTING EQUIPMENT IN THE SPACE AND ANY OVERHEAD ITEMS THAT NEED TO BE COORDINATED.

5 PROVIDE NEW 120V CIRCUIT FOR FACP POWER.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA REGISTERED SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

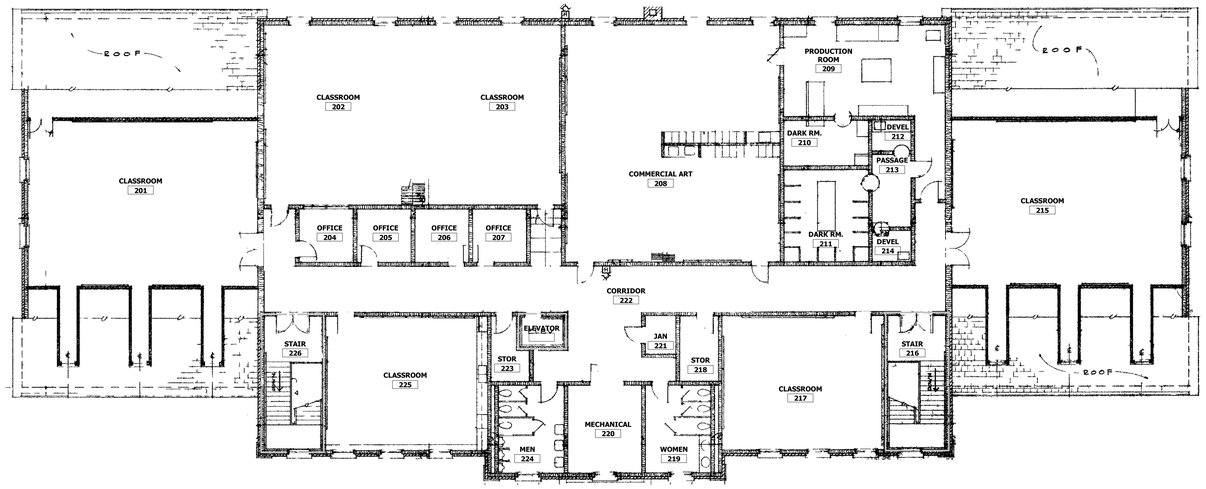
REVISIONS

Δ	DESCRIPTION	DATE

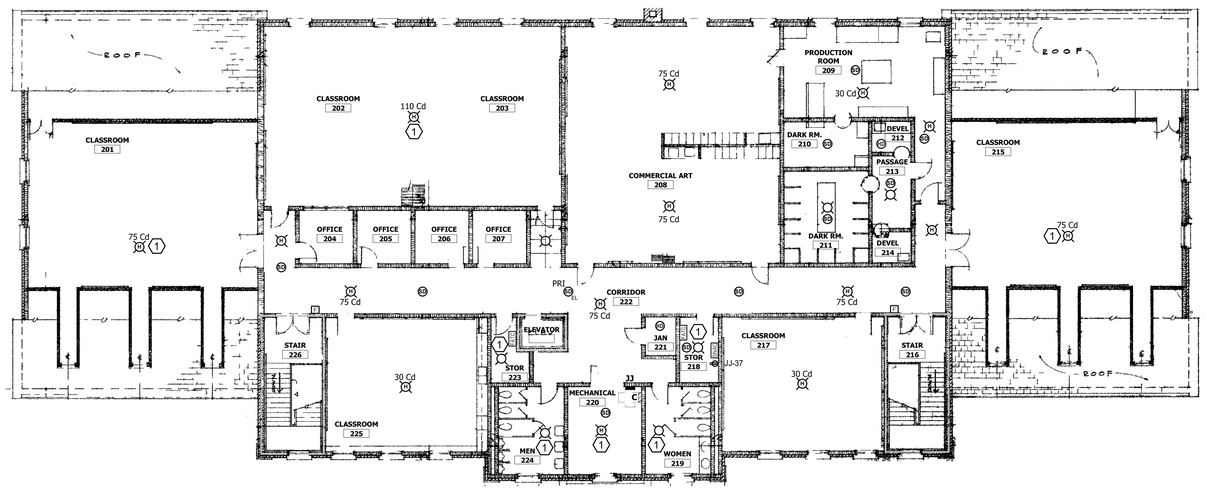
CHECKED BY SZ
DRAWN BY DRW

SHEET NAME
LEVEL 1 - WHICHARD

SHEET NUMBER FA131
REVISION



1 FA132 **LEVEL 2 - WHICHARD - DEMOLITION**
SCALE: 3/32" = 1'-0"



2 FA132 **LEVEL 2 - WHICHARD - NEW WORK**
SCALE: 3/32" = 1'-0"

GENERAL NOTES TO FA132

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

DEMOLITION NOTES TO FA132

1 EXISTING FACP AND FIRE ALARM DEVICES SHOWN SHALL BE DEMOLISHED AFTER NEW SYSTEM TESTED, ACCEPTED AND PLACED INTO SERVICE. COORDINATE WITH OWNER ON ANY DOWNTIME BEFORE NEW SYSTEM IS COMPLETE AND OPERATIONAL.

2 PROVIDE BLANK COVERS AT ALL LOCATIONS WHERE EXISTING WALL AND CEILING MOUNTED BACKBOXES IN FINISHED WALLS AND CEILINGS ARE ABANDONED IN PLACE.

⬡ NEW WORK KEY NOTES TO FA132

1 EXISTING SPACE IS OPEN CEILING. NEW DEVICES SHALL BE PENDANT MOUNT OR ATTACHED TO EXPOSED STRUCTURE. COORDINATE DEVICE MOUNTING HEIGHT AND INSTALLATION WITH EXISTING EQUIPMENT IN THE SPACE AND ANY OVERHEAD ITEMS THAT NEED TO BE COORDINATED.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL
NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

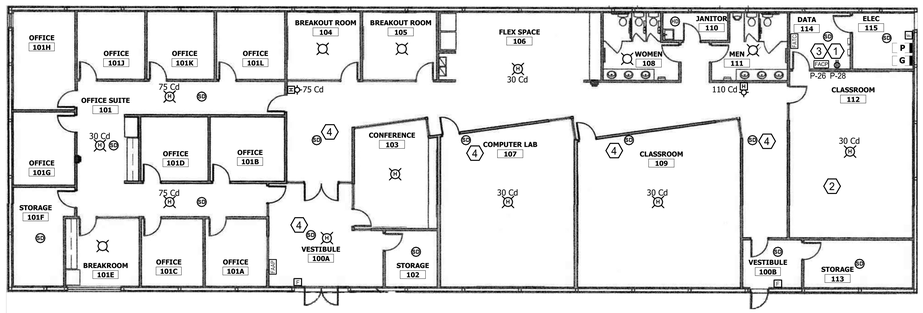
REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
LEVEL 2 - WHICHARD

SHEET NUMBER: FA132
REVISION:



1 FA141 **LEVEL 1 - GREENVILLE CENTER ANNEX - NEW WORK**
SCALE: 3/32" = 1'-0"

GENERAL NOTES TO FA141

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND IN

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

⬡ NEW WORK KEY NOTES TO FA141

1 PROVIDE NEW JCI/SIMPLEX 4007ES (OR APPROVED EQUIVALENT) FIRE ALARM CONTROL PANEL. NEW FACP SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING: CPU WITH DISPLAY, TWO (2) LOOP CARDS, POWER SUPPLY(IES), DACT, AHU BYPASS SWITCH, ETC.

2 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

3 EXISTING CIRCUIT TO BE REUSED FOR FACP POWER.

4 SMOKE DETECTOR LOCATED AT PEAK OF OPEN CEILING.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 052051 JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
LEVEL 1 - GREENVILLE CENTER ANNEX

SHEET NUMBER: FA141
REVISION:

1 FA151 **LEVEL 1 - VERNON WHITE - DEMOLITION**
SCALE: 1/16" = 1'-0"

GENERAL NOTES TO FA151

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

DEMOLITION NOTES TO FA151

1 EXISTING FACP AND FIRE ALARM DEVICES SHOWN SHALL BE DEMOLISHED AFTER NEW SYSTEM TESTED, ACCEPTED AND PLACED INTO SERVICE. COORDINATE WITH OWNER ON ANY DOWNTIME BEFORE NEW SYSTEM IS COMPLETE AND OPERATIONAL.

2 PROVIDE BLANK COVERS AT ALL LOCATIONS WHERE EXISTING WALL AND CEILING MOUNTED BACKBOXES IN FINISHED WALLS AND CEILINGS ARE ABANDONED IN PLACE.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA REGISTERED SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

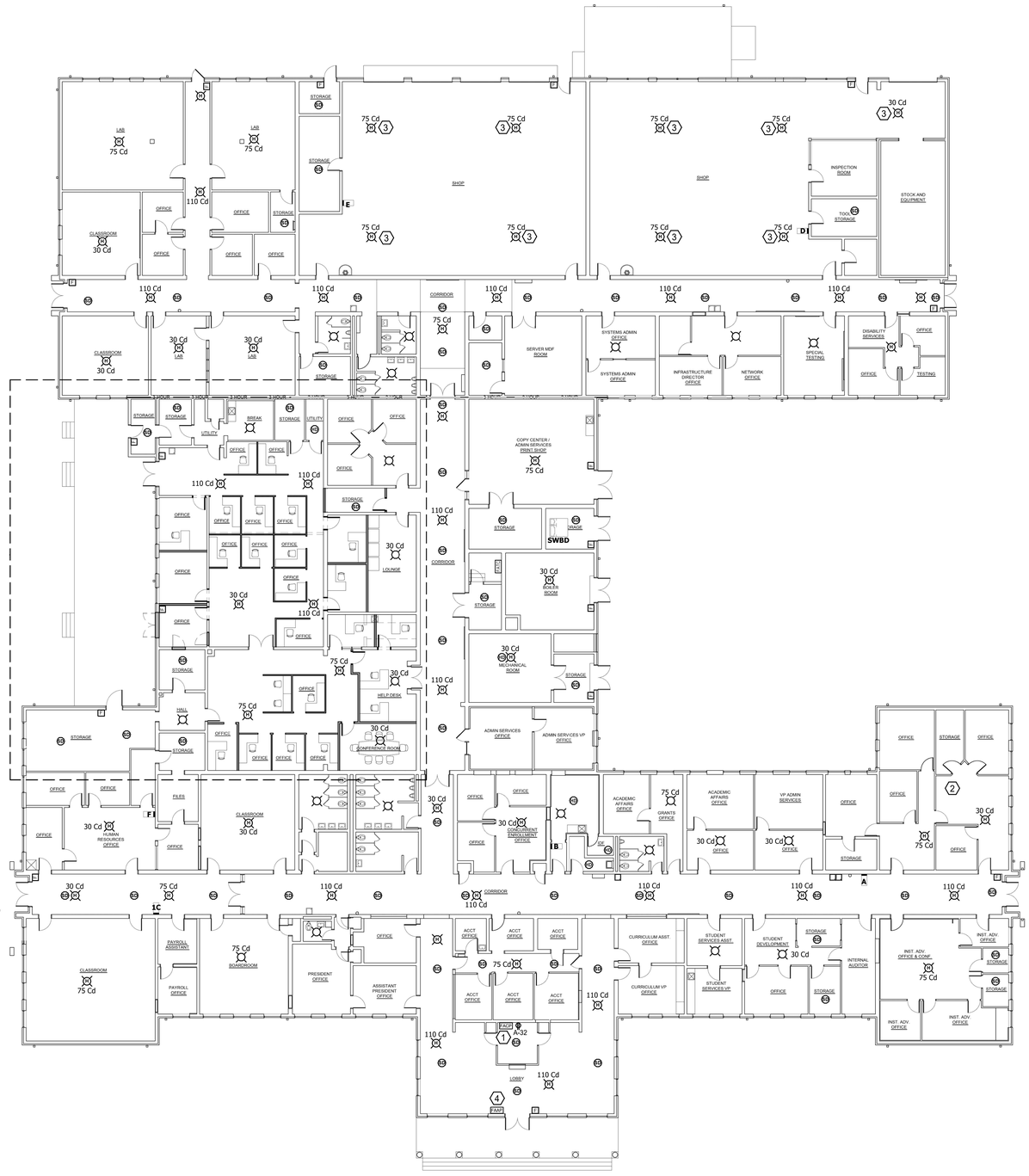
REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
LEVEL 1 - VERNON WHITE DEMOLITION

SHEET NUMBER: **FA151**
REVISION:



1 FA152 **LEVEL 1 - VERNON WHITE - NEW WORK**
SCALE: 1/16" = 1'-0"

GENERAL NOTES TO FA152

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. RE-INSTALL EXISTING CEILING TILE(S) AND REPLACE WITH NEW ANY CEILING TILES DAMAGED DURING REMOVE AND RE-INSTALLATION WITH CEILING TILES MATCHING TYPE AND COLOR OF THOSE BEING REPLACED. CLEAN, PATCH, AND REPAIR ANY AMAGE TO THE EXISTING SPACE(S).

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

⬡ NEW WORK KEY NOTES TO FA152

1 PROVIDE NEW JCI/SIMPLEX 4007ES (OR APPROVED EQUIVALENT) FIRE ALARM CONTROL PANEL. NEW FACP SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING: CPU WITH DISPLAY, TWO (2) LOOP CARDS, POWER SUPPLY(IES), DACT, AHU BYPASS SWITCH, ETC.

2 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

3 EXISTING SPACE IS OPEN CEILING. NEW DEVICES SHALL BE PENDANT MOUNT OR ATTACHED TO EXPOSED STRUCTURE. COORDINATE DEVICE MOUNTING HEIGHT AND INSTALLATION WITH EXISTING EQUIPMENT IN THE SPACE AND ANY OVERHEAD ITEMS THAT NEED TO BE COORDINATED.

4 PROVIDE NEW JCI/SIMPLEX 4606 SERIES REMOTE ANNUNCIATOR (OR APPROVED EQUAL).

PANEL ID: 1C | **VOLTAGE:** 208Y/120 | **SERVICE EQUIP:** No | **MOUNTING:** Surface
SOURCE: SWBD | **AMPS:** 125 | **MAIN:** MLO | **TYPE:** EXISTING
LOCATION: CORRIDOR | **PANEL AIC:** 10,000 | **APPROX. DIM:** EXISTING

LOAD	NOTE	COND	Phase, Neu, Grd Size	POLE	BKR	CKT	A	B	C	CKT	BKR	POLE	Phase, Neu, Grd Size	COND	NOTE	LOAD
EXISTING LTG			1-#12, 1-#12, 1-#12	1	20	1	350	350		2	20	1	1-#12, 1-#12, 1-#12			EXISTING LTG
EXISTING LTG			1-#12, 1-#12, 1-#12	1	20	3		350	350	4	20	1	1-#12, 1-#12, 1-#12			EXISTING LTG
EXISTING LTG			1-#12, 1-#12, 1-#12	1	20	5			350	6	20	1	1-#12, 1-#12, 1-#12			EXISTING LTG
EXISTING LTG			1-#12, 1-#12, 1-#12	1	20	7	350	350		8	20	1	1-#12, 1-#12, 1-#12			EXISTING LTG
EXISTING LTG			1-#12, 1-#12, 1-#12	1	20	9		350	350	10	20	1	1-#12, 1-#12, 1-#12			EXISTING LTG
EXISTING LTG			1-#12, 1-#12, 1-#12	1	20	11			350	12	20	1	1-#10, 1-#10, 1-#10			EXISTING REC
EXISTING REC			1-#10, 1-#10, 1-#10	1	20	13	560	560		14	20	1	1-#10, 1-#10, 1-#10			EXISTING REC
EXISTING REC			1-#10, 1-#10, 1-#10	1	20	15		560	800	16	20	1	1-#8, 1-#8, 1-#8			EXISTING EWC
EXISTING REC			1-#10, 1-#10, 1-#10	1	20	17			560	500	18	20	1	1-#10, 1-#10, 1-#10	1		EXISTING LOAD
EXISTING LOAD	1		1-#10, 1-#10, 1-#10	1	20	19	500	500		20	20	1	1-#10, 1-#10, 1-#10	1		EXISTING LOAD
EXISTING LOAD	1		1-#10, 1-#10, 1-#10	1	20	21		500	500	22	20	1	1-#10, 1-#10, 1-#10	1		EXISTING LOAD
EXISTING LOAD	1		1-#10, 1-#10, 1-#10	1	20	23			500	500	24	20	1	1-#10, 1-#10, 1-#10	1		EXISTING LOAD
EXISTING REC			1-#10, 1-#10, 1-#10	1	20	25	560	560		26	20	1	1-#10, 1-#10, 1-#10			EXISTING REC
EXIST. RESTROOM EFS			1-#12, 1-#12, 1-#12	1	20	27		400	560	28	20	1	1-#10, 1-#10, 1-#10			EXISTING REC
SPARE		--	--	2	20	29			0	560	30	20	1	1-#10, 1-#10, 1-#10			EXISTING REC
						31	0	200			32	20	1	1-#12, 1-#12, 1-#12	3/4	2	FACP
EXISTING REC			1-#10, 1-#10, 1-#10	1	20	33			560	560	34	20	1	1-#10, 1-#10, 1-#10			EXISTING REC
EXISTING LOAD	1		1-#10, 1-#10, 1-#10	1	20	35			500	560	36	20	1	1-#10, 1-#10, 1-#10			EXISTING REC
							4840 VA		5840 VA	5290 VA						
							40 A		49 A	45 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	12120 VA	100.00%	12120 VA	CONNECTED LOAD	15970 VA
Lighting	3850 VA	125.00%	4813 VA	DEMAND LOAD	16933 VA
				AVG. CONNECTED CURRENT	44 A
				AVG. DEMAND CURRENT	47 A

NOTES:
1. PANEL DIRECTORY CALLS FOR SPARE, HOWEVER BREAKER IS ON.
2. PROVIDE RED BREAKER HANDLE AND LOCK ON DEVICE.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

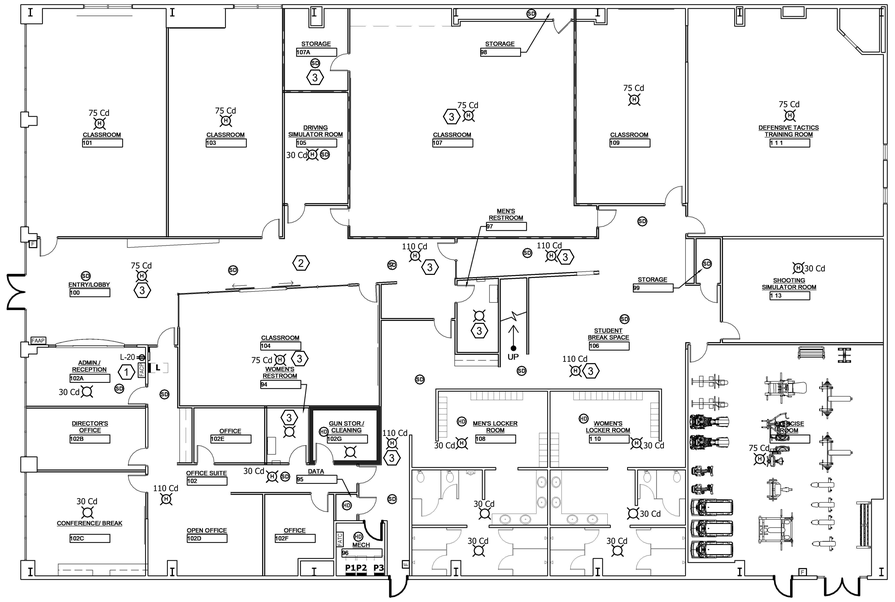
REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
LEVEL 1 - VERNON WHITE NEW WORK

SHEET NUMBER FA152
REVISION



1 FA161 **LEVEL 1 - LET - NEW WORK**
SCALE: 3/32" = 1'-0"

GENERAL NOTES TO FA161

1 INTENT IS TO PROVIDE NEW FIRE ALARM SYSTEM FOR EXISTING BUILDING, INCLUDING NEW FACP, REMOTE ANNUNCIATOR, ADDRESSIBLE DEVICES (SMOKE DETECTORS, HEAT DETECTORS, DUCT DETECTORS, RAILS, PULL STATIONS, CONTROL MODULES, MONITOR MODULES, ISOLATION MODULES, ETC.), AND ALL DEVICES NECESSARY FOR AN UL LISTED COMPLETE SYSTEM, AND THEN DEMOLISH THE EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS AND SITE SURVEY INFORMATION, BUT DO NOT NECESSARILY SHOW ALL DEVICES REQUIRED TO BE UPGRADED. SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

2 TEMPORARILY REMOVE AND SALVAGE EXISTING CEILING TILE(S) AS NECESSARY TO ACCOMMODATE ELECTRICAL/FIRE ALARM WORK. WHEN DEMOLISHING AND INSTALLING DEVICES, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND IN

3 WHEN DEMOLISHING AND INSTALLING DEVICES IN WALL AND CEILING INSTALLATIONS, CONTRACTOR SHALL PROTECT EXISTING LUMINIARES, EQUIPMENT, FINISHES AND FURNISHING DURING REMOVAL AND INSTALLATION. CLEAN, PATCH, AND REPAIR ANY DAMAGE TO THE EXISTING SPACE(S).

4 ALL PENETRATIONS OF EXISTING FLOORS AND FIRE RATED WALLS OR SMOKE PARTITIONS SHALL BE PATCHED AND REPAIRED AS REQUIRED TO MAINTAIN THE EXISTING FIRE RATING OR SMOKE INFILTRATION INTEGRITY OF THE PENETRATION.

⬡ NEW WORK KEY NOTES TO FA161

1 PROVIDE NEW JCI/SIMPLEX 4007ES (OR APPROVED EQUIVALENT) FIRE ALARM CONTROL PANEL. NEW FACP SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING: CPU WITH DISPLAY, TWO (2) LOOP CARDS, POWER SUPPLY(IES), DACT, AHU BYPASS SWITCH, ETC.

2 TYPICAL: PROVIDE NEW ADDRESSABLE DEVICES/MODULES AND ASSOCIATED CABLING AND CONDUITS.

3 EXISTING SPACE IS OPEN CEILING. NEW DEVICES SHALL BE PENDANT MOUNT OR ATTACHED TO EXPOSED STRUCTURE. COORDINATE DEVICE MOUNTING HEIGHT AND INSTALLATION WITH EXISTING EQUIPMENT IN THE SPACE AND ANY OVERHEAD ITEMS THAT NEED TO BE COORDINATED.

PANEL ID: L | **VOLTAGE: 208Y/120** | **SERVICE EQUIP: No** | **MOUNTING: Surface**
SOURCE: P1 | **AMPS: 100** | **MAIN: MLO** | **TYPE: EXISTING**
LOCATION: OFFICE SUITE 102 | **PANEL AIC: 10,000** | **APPROX. DIM: EXISTING**

LOAD	NOTE	COND	Phase, Neu, Grd Size	POLE	BKR	CKT	A	B	C	CKT	BKR	POLE	Phase, Neu, Grd Size	COND	NOTE	LOAD
						1	500	560		2						
LTG ROOM 111			3-#12, 1-#12, 1-#12	3	20	3		500	560	4	20	3	3-#12, 1-#12, 1-#12			REC ROOM 112
						5			500	560	6					
						7	560	560		8						
STUDENT BREAK REC 108			3-#12, 1-#12, 1-#12	3	20	9		560	560	10	20	3	3-#12, 1-#12, 1-#12			REC ROOOM 110
						11			560	560	12					
STUDENT BREAK REC 108			1-#12, 1-#12, 1-#12	1	20	13	560	500		14						
LTG ROOM 109, 112, 113			1-#12, 1-#12, 1-#12	1	20	15		500	500	16	20	3	3-#12, 1-#12, 1-#12			LTG 102A, 102D,102F, 110
LTG ROOM 107			1-#12, 1-#12, 1-#12	1	20	17			500	500	18					
LTG STUDENT BREAK			1-#12, 1-#12, 1-#12	1	20	19	500	200		20	20	1	1-#12, 1-#12, 1-#12	3/4	1,2	FACP
LTG STUDENT BREAK			1-#12, 1-#12, 1-#12	1	20	21		500	0	22	20	1	--	--	1	SPARE
LTG ROOOM 102A, 102B, 102C			1-#12, 1-#12, 1-#12	1	20	23			500	0	24	20	2	--	--	SPARE
LTG LOBBY, 101, 103, 105			1-#12, 1-#12, 1-#12	1	20	25	500	0		26						
SPARE		--	--	2	20	27		0	0	28	20	2	--	--		SPARE
						29			0	0	30					
							4440 VA	3680 VA	3680 VA							
							37 A	31 A	31 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	7740 VA	100.00%	7740 VA		
Lighting	4060 VA	125.00%	5075 VA	CONNECTED LOAD	11800 VA
				DEMAND LOAD	12815 VA
				AVG. CONNECTED CURRENT	33 A
				AVG. DEMAND CURRENT	36 A

NOTES:
1. REMOVE EXISTING 2 POLE BREAKER AND REPLACE WITH NEW SINGLE POLE 20A BREAKERS.
2. PROVIDE RED BREAKER HANDLE AND LOCK ON DEVICE.

PARTITION SCHEDULE
1 HOUR RATED PARTITION

Salas O'Brien
salasobrien.com
Raleigh (919) 832-8118
702 Oberlin Road, Suite 300
Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA PROFESSIONAL SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
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CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY SZ
DRAWN BY DRW

SHEET NAME
LEVEL 1 - LET

SHEET NUMBER FA161
REVISION

GENERAL NOTES :

1. RISER DIAGRAM SHOWS FUNCTIONAL CONNECTIONS. EXACT WIRING AND CONNECTIONS ARE DEPENDENT ON EQUIPMENT MANUFACTURER AND ARE TO BE PROVIDED AS A PART OF THE FIRE ALARM SHOP DRAWING SUBMITTAL PACKAGE SUPPLIED BY THE CONTRACTOR.
2. ALL FIRE ALARM CONDUCTORS SHALL BE IN CONDUIT. PROVIDE SEPARATE CONDUITS FOR OPPOSITE END OF LOOPED CIRCUIT RUNS. DO NOT COMBINE OUTGOING AND INCOMING LOOP CONDUCTORS IN THE SAME RACEWAY EXCEPT AS PERMITTED BY THE SPECIFICATIONS.
3. ALL ALARM APPLIANCE CIRCUITS ARE TO BE SUPERVISED. PROVIDE END-OF-LINE RESISTOR OR OTHER TERMINATION DEVICE AS REQUIRED TO MATCH FIRE ALARM CONTROL PANEL.
4. SMOKE DETECTORS ARE TO BE PHOTOELECTRIC TYPE WITH MATCHING (LOCKING TYPE) BASE UNLESS OTHERWISE INDICATED ON DRAWINGS. POWER CONSUMPTION OF DETECTORS IS TO BE COMPATIBLE WITH FIRE ALARM CONTROL PANEL CAPABILITIES. PROVIDE ADDITIONAL DRIVER MODULES AS REQUIRED.
5. HORN/STROBE, AND STROBE ONLY POWER CONSUMPTION IS TO BE COMPATIBLE WITH FIRE ALARM CONTROL PANEL CAPABILITIES. PROVIDE ADDITIONAL POWER SUPPLIES AS REQUIRED.
6. THE FIRE ALARM SYSTEM SHALL INITIATE SHUTDOWN OF ALL BUILDING AIR HANDLING UNITS IN RESPONSE TO AN ALARM CONDITION.
7. HEAT DETECTORS ARE TO BE 135°F RATE OF RISE TYPE UNLESS OTHERWISE INDICATED.
8. PROVIDE CONTROL MODULES AS REQUIRED TO CONTROL DOOR HOLD-OPEN MAGNET CIRCUITS.
9. SELECTED CONTROL MODULES ARE TO BE CONNECTED TO ACTIVATE ELEVATOR RECALL. THESE MODULES ARE INDICATED ON THE FLOOR PLANS. FINAL CONNECTIONS TO ELEVATOR CONTROLLER SHALL BE PROVIDED BY ELEVATOR INSTALLER OR SERVICE VENDOR.
10. THE FIRE ALARM SYSTEM SHALL COMPLY WITH THE STATE OF NORTH CAROLINA DEPARTMENT OF ADMINISTRATION PUBLICATION "FIRE ALARM GUILDLINES AND POLICIES." 2020. SEE SPECIFICATIONS.
11. ALL JUNCTION BOXES AND COVER SHALL BE PAINTED RED, COVERS SHALL BE LABELED WITH LOOPS NUMBERS CONTAINED IN THE BOX.
12. SUPPORT ALL CEILING MOUNTED DEVICES FROM STRUCTURE WITH MANUFACTURERED SUPPORTING DEVICES. DO NOT SUPPORT FROM CEILING.
13. FACP, SNAC's AND DIALER CABINETS DOORS SHALL BE GROUNDED. DO NOT USE THE CIRCUITBOARD CHASSIS TO PROVIDE GROUND. ALL GROUNDING POINTS SHALL BE CLEARED OF ANY PAINT, BOND DIRECTLY TO METAL.
14. ALL CABINETS SHALL BE FACTORY COLORED THE SAME.
15. ALL CABINETS (FACP, SNAC, BATTERY, DIALER) AND PULL STATIONS SHALL BE KEYED ALIKE.
16. PROVIDE TYPED DIRECTORY SCHEDULE AND LABEL EACH WIRE CONSISTENTLY TO MATCH SCHEDULE IN EACH TERMINAL CABINET.
17. DO NOT INSTALL ANY SMOKE OR HEAT DETECTOR WITHIN 3 FEET OF ANY SUPPLY OR RETURN AIR REGISTER.
18. PROVIDE PLASTIC ENGRAVED IDENTIFICATION LABELS ON THE EXTERIOR DOORS OF ALL SNAC'S, FACP, AND DIALER.
19. PROVIDE PLASTIC ENGRAVED IDENTIFICATION LABEL ON THE INTERIOR DOORS OF ALL SNAC'S, FACP, AND DIALER, STATING POWER PANEL ID SOURCE AND CIRCUIT NUMBERS.
20. ALL SURFACE MOUNTED BOXES SHALL BE BY FIRE ALARM DEVICE MANUFACTURER. NO STAMPED STEEL KNOCK-OUT BOXES.
21. INITIATION DEVICE DESCRIPTIONS AT FACP SHALL INCLUDE DEVICE TYPE, LOCATION AND UNIQUE ADDRESS. INFORMATION SHALL BE EXACTLY CONSISTENT AT FACP, DEVICE LABEL AND RECORD DRAWINGS. DESCRIPTION FOR ALL DEVICES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PROGRAMMING.
22. PROVIDE INTEGRATED CONTROL BUTTONS AT FACP FOR THE FOLLOWING ITEMS: COORDINATE EXACT REQUIREMENTS PRIOR TO TESTING WITH AHJ. ALL BYPASS FUNCTIONS SHALL GENERATE A TROUBLE CONDITION AT THE FACP.
    A. HVAC BYPASS
    B. SMOKE DAMPER BYPASS
    C. DOOR HOLD BYPASS
    D. FIRE ALARM VISUAL BYPASS
    E. AUDIO BYPASS
23. TESTING SYSTEM:

    PROVIDE ENGINEER A COMPLETED NFPA 72, AND VENDOR'S COMPLETED AS-BUILT DRAWINGS PRIOR TO TEST.

    PROVIDE 100% DEVICE TEST (WITH ADDRESSES), PRIOR TO ENGINEER'S TEST. THIS TEST SHALL BE A TRUE TEST, NOT IN WALK MODE.

    PROVIDE SENSITIVITY TEST DOCUMENTATION FOR EACH SMOKE DETECTOR.

    WITH AC POWER OFF, PROVIDE BATTERY VOLTAGE DOCUMENTATION AT EACH CARD AND AT THE APPROPRIATE END OF LINE RESISTOR, FOR EVERY NAC CIRCUIT. VOLTAGE SHALL BE DOCUMENTED INITIALLY, AFTER 30 MINUTES AND AFTER 45 MINUTES OF ALARM TESTING.

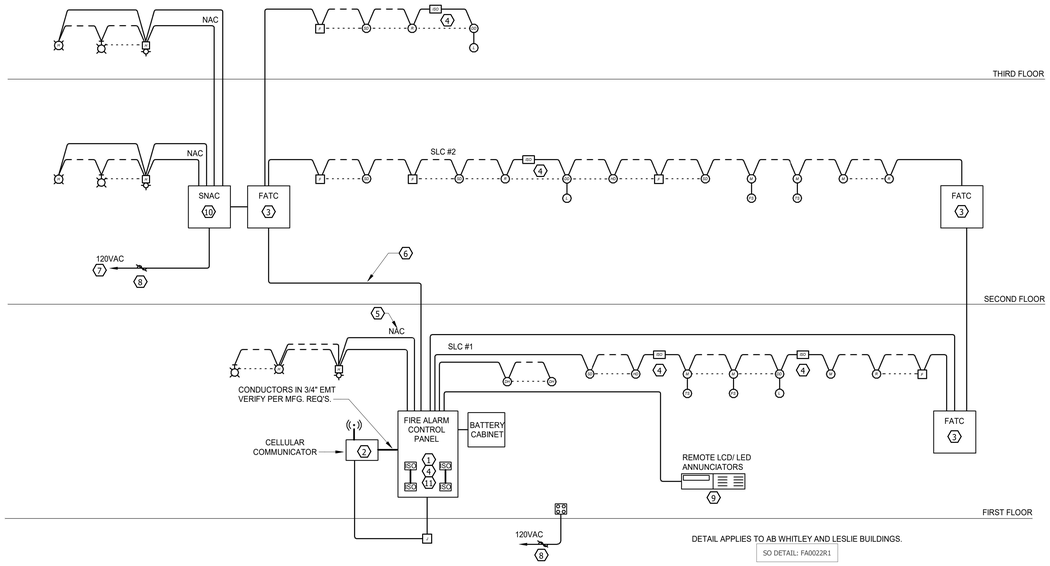
    PROVIDE 72 HOURS NOTICE PRIOR TO 100% ACCEPTANCE TEST. THIS TEST SHALL INCLUDE ENGINEER & REPRESENTATIVES OF OWNER.

KEYED NOTES :

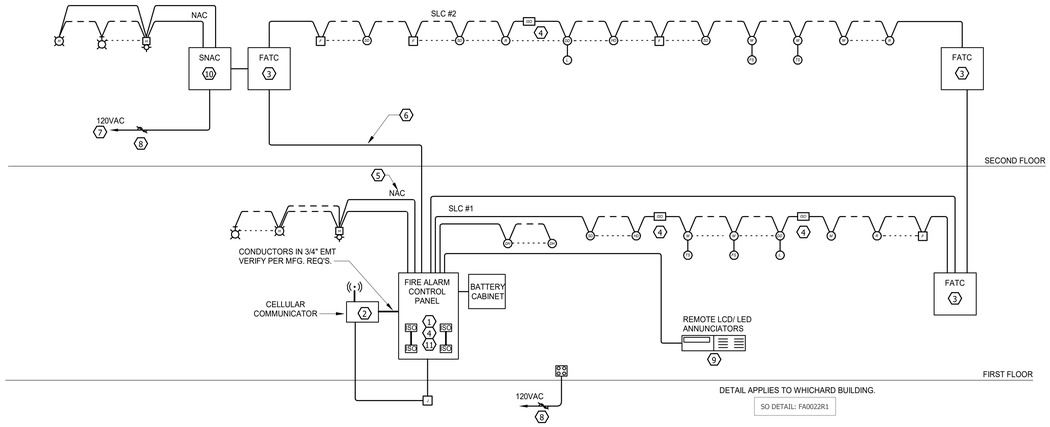
1. FIRE ALARM CONTROL PANEL TO BE ADDRESSABLE TYPE BY ONE OF THE FOLLOWING:
   EDWARDS EST III
   NOTIFIER NFS2-320
   SIMPLEX 4007ES (PREFERRED BRAND)
2. PROVIDE CELLULAR, IP COMMUNICATOR LISTED FOR USE WITH INSTALLED FIRE ALARM SYSTEM. COMMUNICATOR SHALL BE INTERNALLY SUPERVISED AND HAVE BATTERY BACKUP RATED FOR STANDBY TIME INTERVAL AS SPECIFIED FOR FACP.OWNER SHALL PROVIDE WIRELESS CONNECTION WITH LOCAL CELLULAR SERVICE PROVIDER.
3. REFER TO FIRE ALARM TERMINATION CABINET (FATC) DETAIL.
4. ISOLATION MODULES SHALL BE INSTALLED AT THE FACP ON BOTH THE OUTGOING AND RETURN CONDUCTORS OF EACH LOOP. ADDITIONALLY, ISOLATION MODULES SHALL BE INSTALLED AFTER EACH 20 DEVICES OR MODULES ON THE ADDRESSABLE LOOPS. ISOLATION MODULES SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE NEAREST LOOP DEVICE AND SHALL BE IDENTIFIED BY A MACHINED LABEL AT THAT DEVICE.
5. PROVIDE NOTIFICATION APPLIANCE CIRCUITS AS REQUIRED TO PROVIDE DEVICES AS INDICATED ON THE PLANS.
6. PROVIDE CONDUITS TO RISER AS REQUIRED. CONDUIT FILL SHALL NOT EXCEED 40% AT ANY PORTION OF RACEWAY SYSTEM.
7. PROVIDE CIRCUIT BREAKER "LOCK-ON" CLIPS FOR CIRCUIT(S). PROVIDE RED PAINT ON BREAKER TO INDICATE FUNCTION.
8. SURGE ARRESTOR(S) FOR INDICATED CIRCUIT(S).
9. LOCATE AT FIREMAN'S ENTRY. SEE FLOOR PLANS.
10. PROVIDE SUPPLEMENTAL NOTIFICATION APPLIANCE CABINET FOR UP TO FOUR FIRE ALARM STROBE AND SOUNDER BASE CIRCUITS.
11. IF SIMPLEX 4007ES FACP IS SELECTED, INCLUDE EXPANSION CARD WHEN REQUIRED.
12. VIDEO MONITOR WITH KEY BOARD AND MOUSE.

4 / FA211 FIRE ALARM RISER NOTES
SCALE: NTS

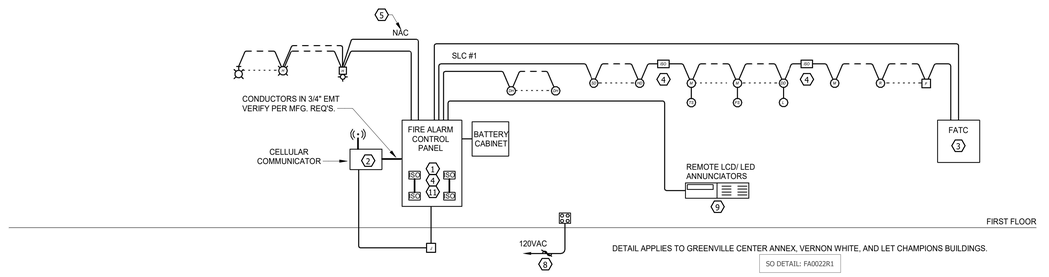
SO DETAIL: FA0025 R1



1 / FA211 FIRE ALARM RISER DIAGRAM - 3 LEVELS
SCALE: NTS



2 / FA211 FIRE ALARM RISER DIAGRAM - 2 LEVELS
SCALE: NTS



3 / FA211 FIRE ALARM RISER DIAGRAM - 1 LEVEL
SCALE: NTS

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Raleigh, NC 27605
Registration: F-1434

Project Number: 2572-00123
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL

NORTH CAROLINA REGISTERED SEAL 052051 ENGINEER JING ZHOU
04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

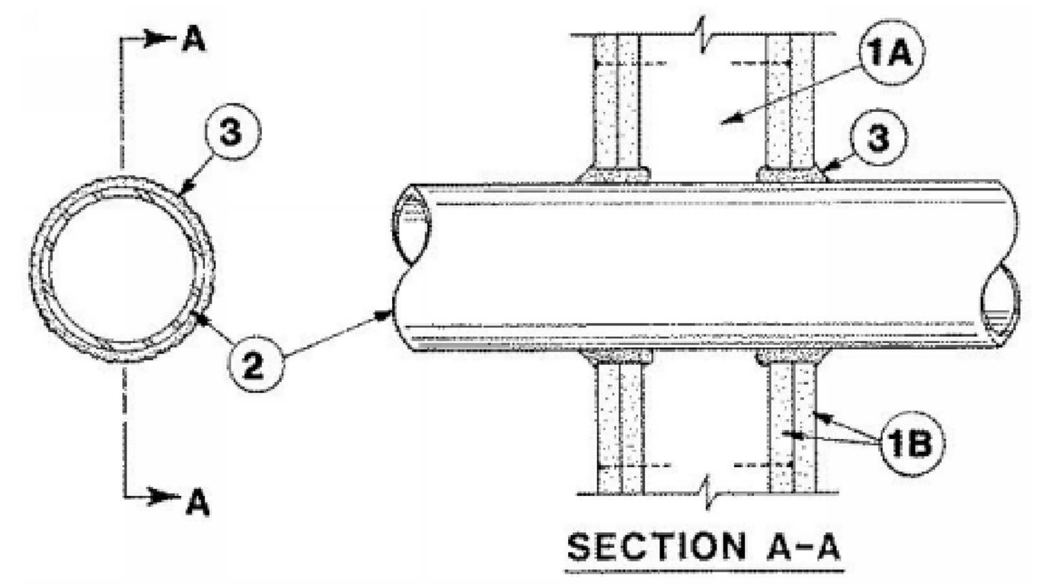
CHECKED BY SZ
DRAWN BY DRW

SHEET NAME
FIRE ALARM SYSTEM

SHEET NUMBER FA211
REVISION

System No. W-L-1001
June 15, 2005

F Ratings — 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings — 0, 1, 2, 3, and 4 Hr (See Item 3)
L Rating At Ambient — less than 1 CFM/sq ft
L Rating At 400 F — less than 1 CFM/sq ft



1. **Wall Assembly —** The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. **Studs —** Wall framing may consist of either wood studs (max 2 h fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.
   B. **Gypsum Board* —** Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660 mm).
2. **Through-Penetrant —** One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in / (0 mm). (point contact) to max 2 in. (51 mm) Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
   A. **Steel Pipe —** Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. **Iron Pipe —** Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.
   C. **Conduit —** Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in (102 mm) diam (or smaller) steel electrical metallic tubing
   D. **Copper Tubing —** Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing
   E. **Copper Pipe —** Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
   F. **Through Penetrating Product* —** Flexible Metal Piping The following types of steel flexible metal gas piping may be used:
   1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

   OMEGA FLEX INC

   2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

   GASTITE, DIV OF TITEFLEX

   3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

   WARD MFG L L C

3. **Fill, Void or Cavity Material* — Caulk or Sealant —** Min 5/8. , 1-1/4,1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

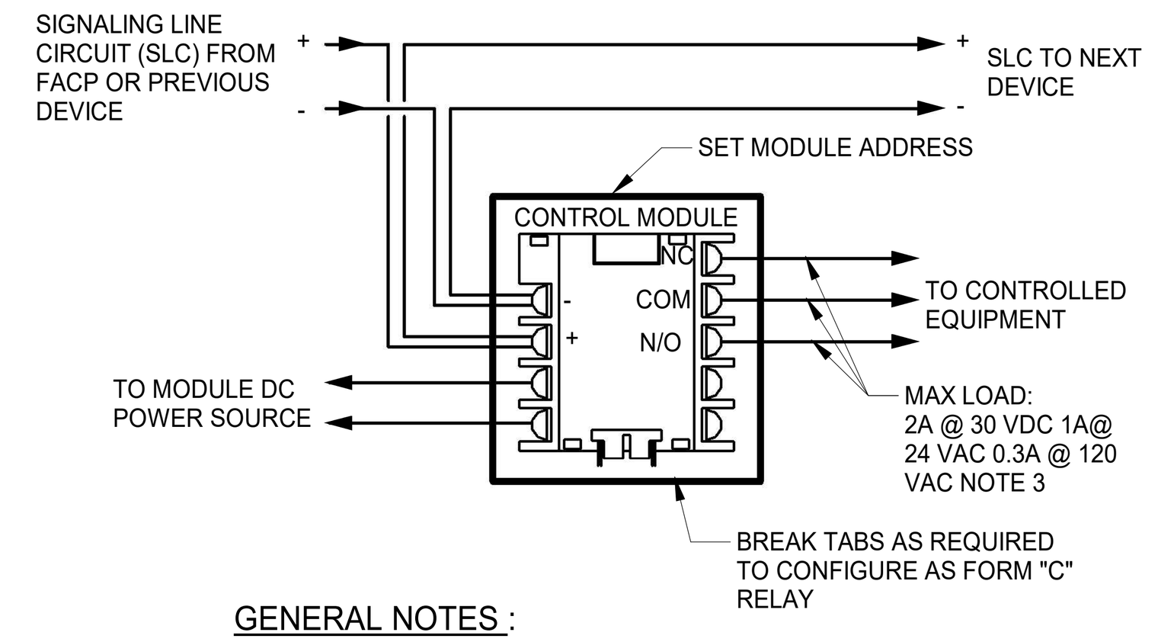
Max Pipe or Conduit Diam In (mm)	F Rating Hr	T Rating Hr
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

+When copper pipe is used, T Rating is 0 h.
3M COMPANY — CP 25WB+ or FB-3000 WT.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2005-06-15

7 / FA212 **W-L-1001-2014**
SCALE: 1 : 180

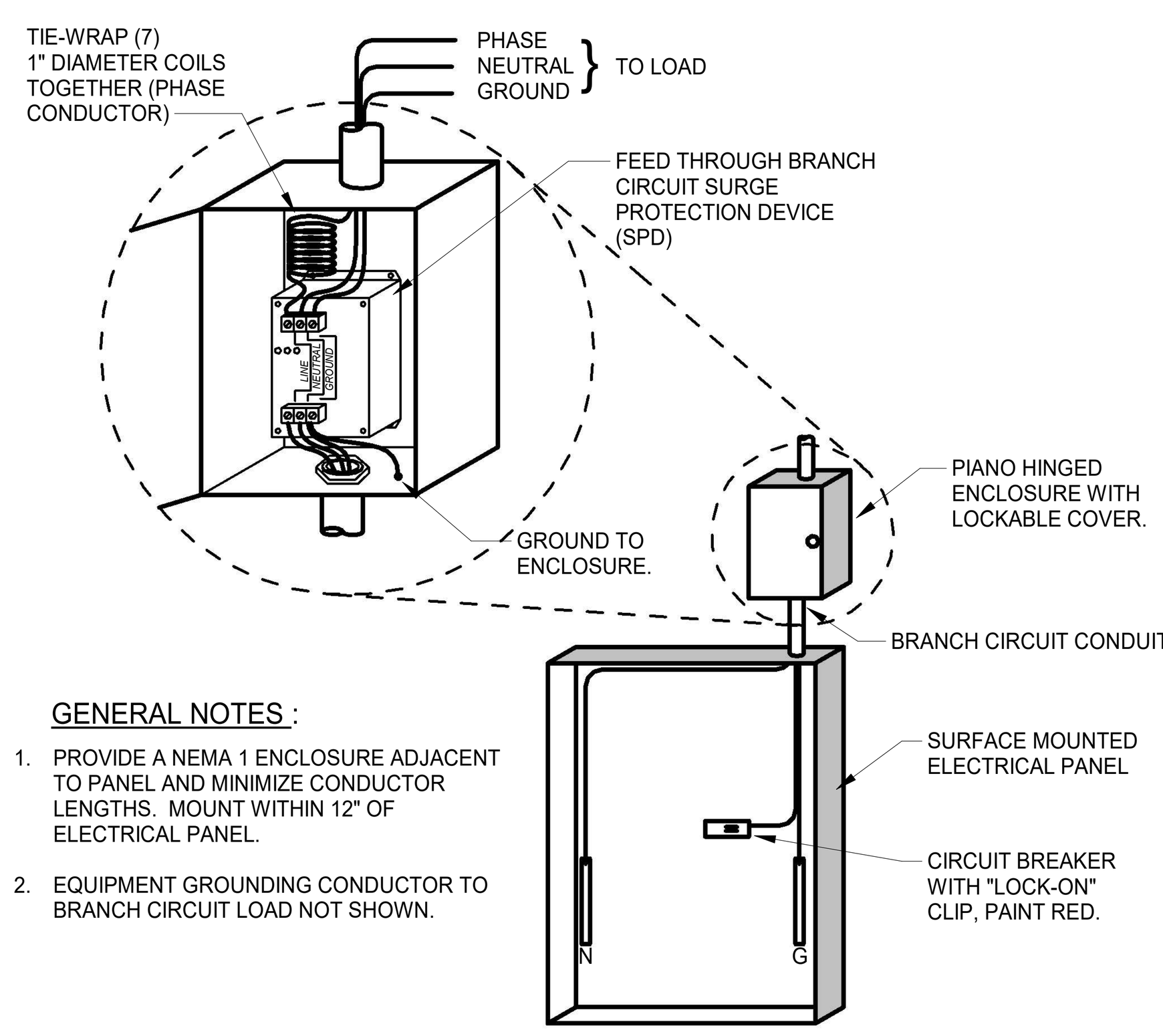


GENERAL NOTES :

1. LOCATE CONTROL MODULE ADJACENT TO EQUIPMENT.
2. EXACT CONTROL MODULE CONFIGURATION VARIES WITH EQUIPMENT MANUFACTURER. COORDINATE CONNECTIONS AND WIRING WITH EXACT DEVICES INSTALLED.
3. CONTACTS SHALL BE RATED FOR INDUCTIVE LOADS. PROVIDE ADDITIONAL CONTROL RELAY WHERE CONTROL CIRCUIT LOAD EXCEEDS CONTACT RATINGS. ARRANGE WITH CONTROL CIRCUIT ACROSS N.O. (FAIL-SAFE) CONTACTS.

SO DETAIL: FA0004

4 / FA212 **AHU SHUTDOWN MODULE**
SCALE: NTS

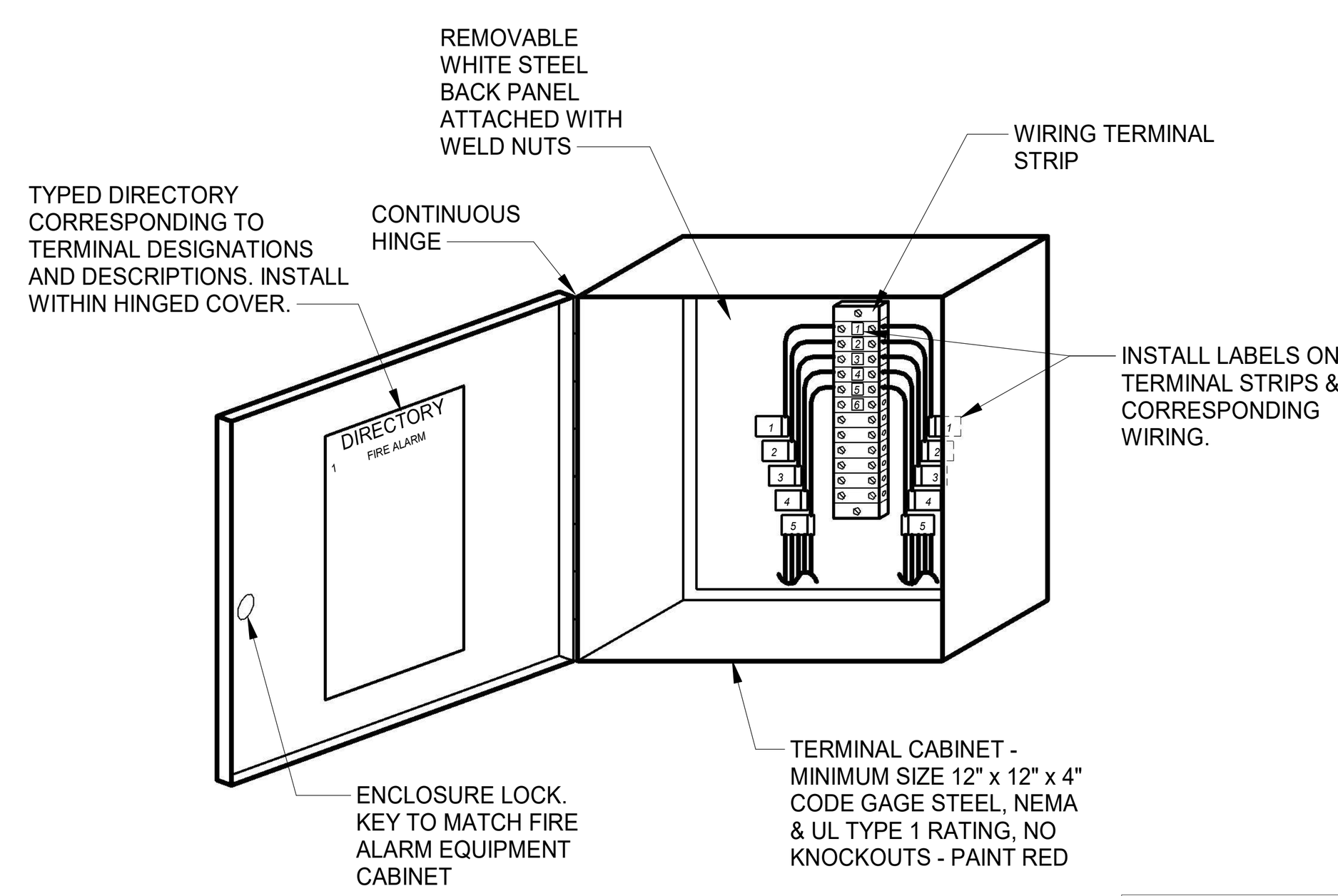


GENERAL NOTES :

1. PROVIDE A NEMA 1 ENCLOSURE ADJACENT TO PANEL AND MINIMIZE CONDUCTOR LENGTHS. MOUNT WITHIN 12" OF ELECTRICAL PANEL.
2. EQUIPMENT GROUNDING CONDUCTOR TO BRANCH CIRCUIT LOAD NOT SHOWN.

SO DETAIL: FA0006

5 / FA212 **SURGE PROTECTION DEVICE WIRING DETAIL**
SCALE: NTS



SO DETAIL: FA0008

6 / FA212 **FIRE ALARM TERMINATION CABINET (FATC)**
SCALE: NTS

SYSTEM OUTPUTS

- CONTROL UNIT ANNUNCIATION (A–H): A ACTUATE COMMON ALARM SIGNAL INDICATOR; B ACTUATE AUDIBLE ALARM SIGNAL; C ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR; D ACTUATE AUDIBLE SUPERVISORY SIGNAL; E ACTUATE COMMON TROUBLE SIGNAL INDICATOR; F ACTUATE AUDIBLE COMMON TROUBLE SIGNAL; G ACTUATE ZONE ALARM INDICATOR; H
- NOTIFICATION (I–T): I ACTUATE EVACUATION SIGNAL; J DISPLAY/PRINT CHANGE OF STATUS; K TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION; L TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION; M TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION; N ACTUATE SOUNDER BASE(S), LOCAL UNITS IN ROOM/SUITE; O TRANSMIT "ROOM ALARM" SIGNAL TO SUPERVISING STATION; P ACTUATE ALL SOUNDER BASES; Q; R; S; T
- REQUIRED FIRE SAFETY CONTROL (U–AA): U RELEASE MAGNETICALLY HELD SMOKE DOORS; V RELEASE SMOKE DAMPERS; W RECALL ELEVATORS TO PRIMARY RECALL FLOOR; X RECALL ELEVATORS TO ALTERNATE RECALL FLOOR; Y ACTUATE ELEVATOR "FIRE HAT" LIGHT; Z UNLOCK EXIT DOORS; AA
- SUPPLEMENARY (BB–JJ): BB ACTUATE LOCAL/REMOTE LED INDICATORS; CC ACTUATE GRAPHICS SYSTEM - DISPLAY LED INDICATORS; DD SHUTDOWN AHU'S, EXHAUST FANS, FAN POWERED TU'S ETC.; EE ACTUATE EXTERIOR STROBE; FF ACTUATE HEARING ACCESSIBLE STROBE(S); GG ACTUATE HEARING ACCESSIBLE STROBE(S), LOCAL UNITS IN ROOM/SUITE; HH SHUTDOWN ASSOCIATED AHU AND CLOSE RELATED DAMPERS; II SHUNT TRIP ELEVATOR POWER; JJ

	SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	
1	SMOKE DETECTORS	●	●					●		●	●	●					●					●	●				●		●	●	●	●	●	●	●			1
2	IN-DUCT SMOKE DETECTORS			●	●						●		●									●	●				●		●	●	●	●	●	●	●			2
3	FIRST SMOKE DETECTOR WITH SOUNDER BASE														●	●																						3
4	SUBSEQUENT SMOKE DETECTOR WITH SOUNDER BASE	●	●					●		●	●	●					●					●	●				●		●	●	●	●	●	●	●			4
5	FIRST SMOKE DETECTOR/HEARING ACCESSIBLE ROOM														●	●																		●				5
6	SUBSEQUENT SMOKE DETECTOR/HEARING ACCESSIBLE RM.	●	●					●		●	●	●					●					●	●				●		●	●	●	●	●	●	●			6
7	ELEVATOR (PRI) SMOKE DETECTORS	●	●					●		●	●	●					●					●	●	●			●		●	●	●	●	●	●	●			7
8	ELEVATOR (ALT) SMOKE DETECTORS	●	●					●		●	●	●					●					●	●		●		●		●	●	●	●	●	●	●			8
9	ELEVATOR SHAFT/MECH. RM. SMOKE DETECTORS	●	●					●		●	●	●										●	●	●		●	●		●	●	●	●	●	●	●			9
10	THERMAL DETECTORS	●	●					●		●	●	●					●					●	●				●		●	●	●	●	●	●	●			10
11	THERMAL DETECTOR SHAFT/MECH. RM.	●	●					●		●	●	●					●					●	●				●		●	●	●	●	●	●	●	●		11
12	PULL STATIONS	●	●					●		●	●	●					●					●	●				●		●	●	●	●	●	●	●			12
13																																						13
14	LOOP OPEN/SHORT CIRCUIT					●	●				●			●															●	●								14
15	LOOP GROUND FAULT					●	●				●			●															●	●								15
16	LOOP FAILURE					●	●				●			●															●	●								16
17																																						17
18	NAC OPEN/SHORT CIRCUIT					●	●				●			●															●	●								18
19	NAC GROUND FAULT					●	●				●			●															●	●								19
20	NAC FAILURE					●	●				●			●															●	●								20
21	LOSS OF AC POWER					●	●				●																		●	●								21
22	LOSS OF AC POWER (>3 HR)					●	●				●			●															●	●								22
23	BATTERY/CHARGER FAILURE					●	●				●			●															●	●								23
24	LOW BATTERY					●	●				●			●															●	●								24
25																																						25
26	OVERRIDE (AHU, DOORHOLDERS, ETC.)					●	●				●			●															●	●								26
27																																						27
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	

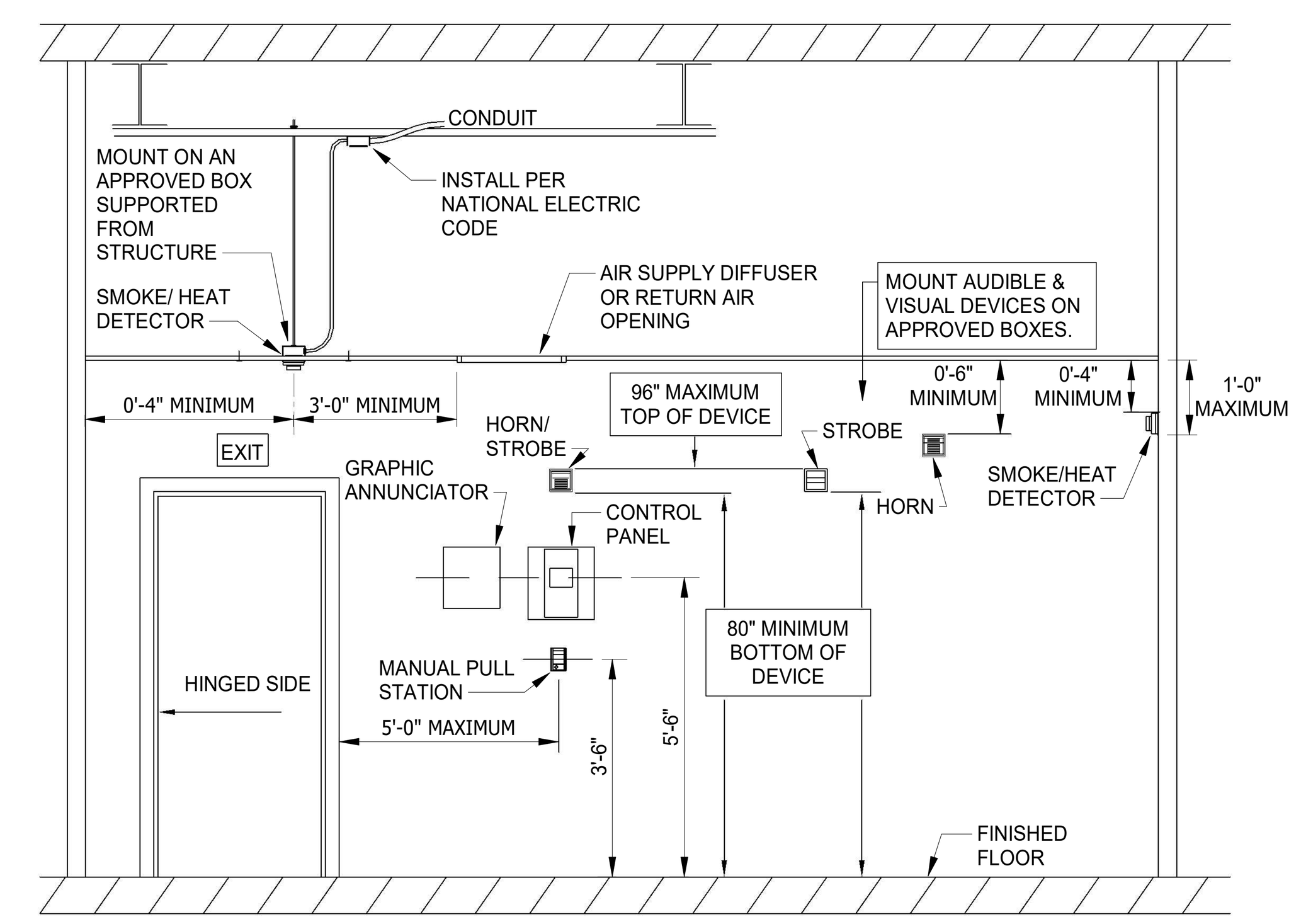
GENERAL NOTES :

1. THE TENTATIVE FIRE ALARM CONTROL MATRIX SHOW HOW SYSTEM INPUTS ARE MAPPED TO SYSTEM OUTPUTS. THE MATRIX IS PROVIDED FOR GUIDANCE. THE CONTRACTOR SHALL SUBMIT AN ACTUAL CONTROL MATRIX THAT INDICATES ALL INITIATING DEVICES BY SOFTWARE ZONE AND ALL OUTPUT ACTIONS BY ANNUNCIATION ZONE. MULTIPLE INPUTS AND/OR OUTPUTS FROM SIMILAR BUT INDEPENDENT SOURCES, FOR EXAMPLE MULTIPLE ELEVATORS OR AIR HANDLING UNITS, SHALL BE SHOWN AS SEPARATE LINE ITEMS.
2. ● INDICATES THAT THE NAMED INPUT CAUSES THE NAMED OUTPUT TO OCCUR.
3. PROVIDE OVERRIDE FUNCTIONS FOR AHU BY-PASS, FIRE ALARM STROBES, DOOR-HOLDS, DAMPERS AND SOUNDER BASES.

SO DETAIL: FA0020

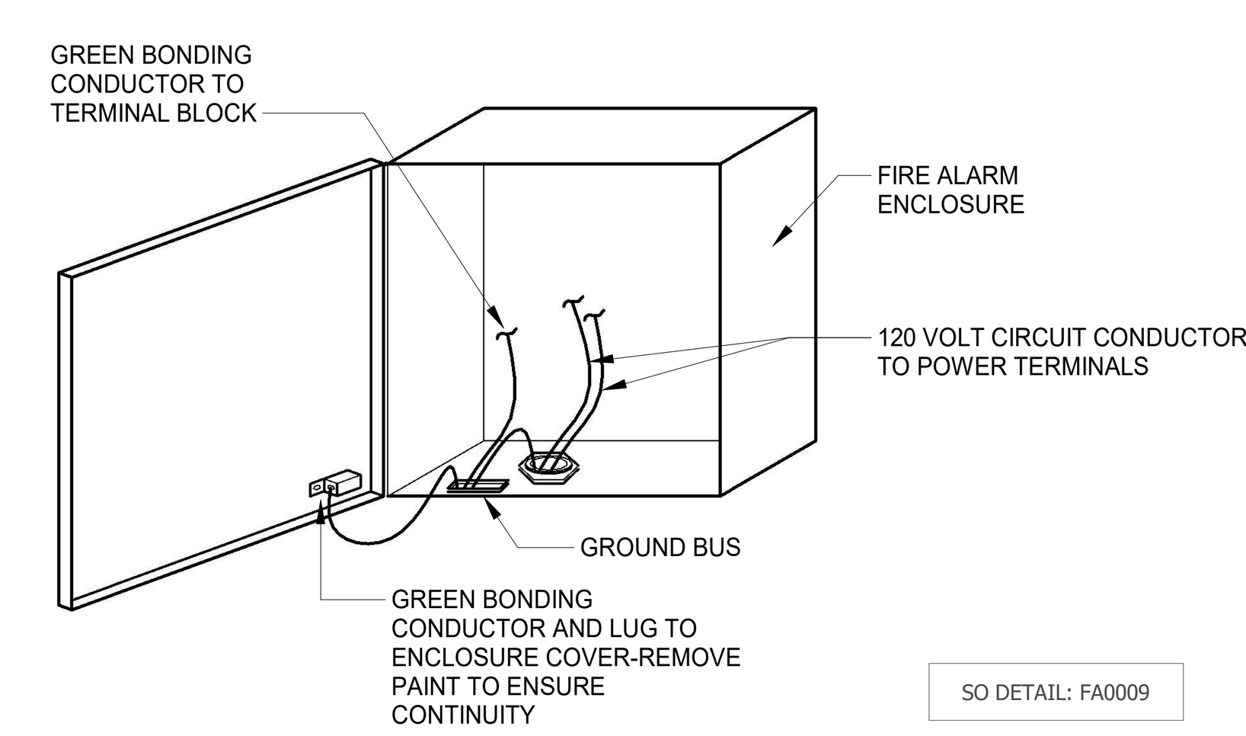
1 / FA212 **FIRE ALARM CONTROL MATRIX**
SCALE: NTS

NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS



SO DETAIL: FA0011

2 / FA212 **FIRE ALARM DEVICE MOUNTING DETAIL**
SCALE: NTS



SO DETAIL: FA0009

3 / FA212 **FIRE ALARM ENCLOSURE BONDING DETAIL**
SCALE: NTS

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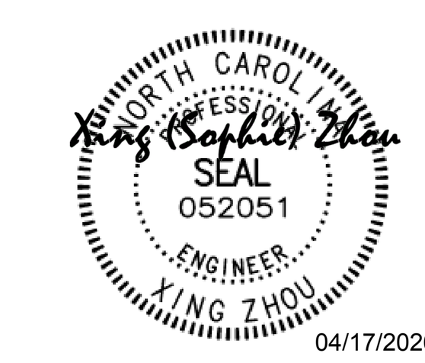
SCO Number: 25-30379-01A
Consultant Number: N/A

PROFESSIONAL SEAL



04/17/2026

ISSUE DATE	DESCRIPTION
04/02/2026	CD BID

CLIENT NAME
PITT COMMUNITY COLLEGE

PROJECT NAME
CAMPUS FIRE ALARM REPLACEMENTS

2064 Warren Drive,
Winterville, NC 28590

REVISIONS

Δ	DESCRIPTION	DATE

CHECKED BY: SZ
DRAWN BY: DRW

SHEET NAME
FIRE ALARM SYSTEM DETAILS

SHEET NUMBER: **FA212**
REVISION