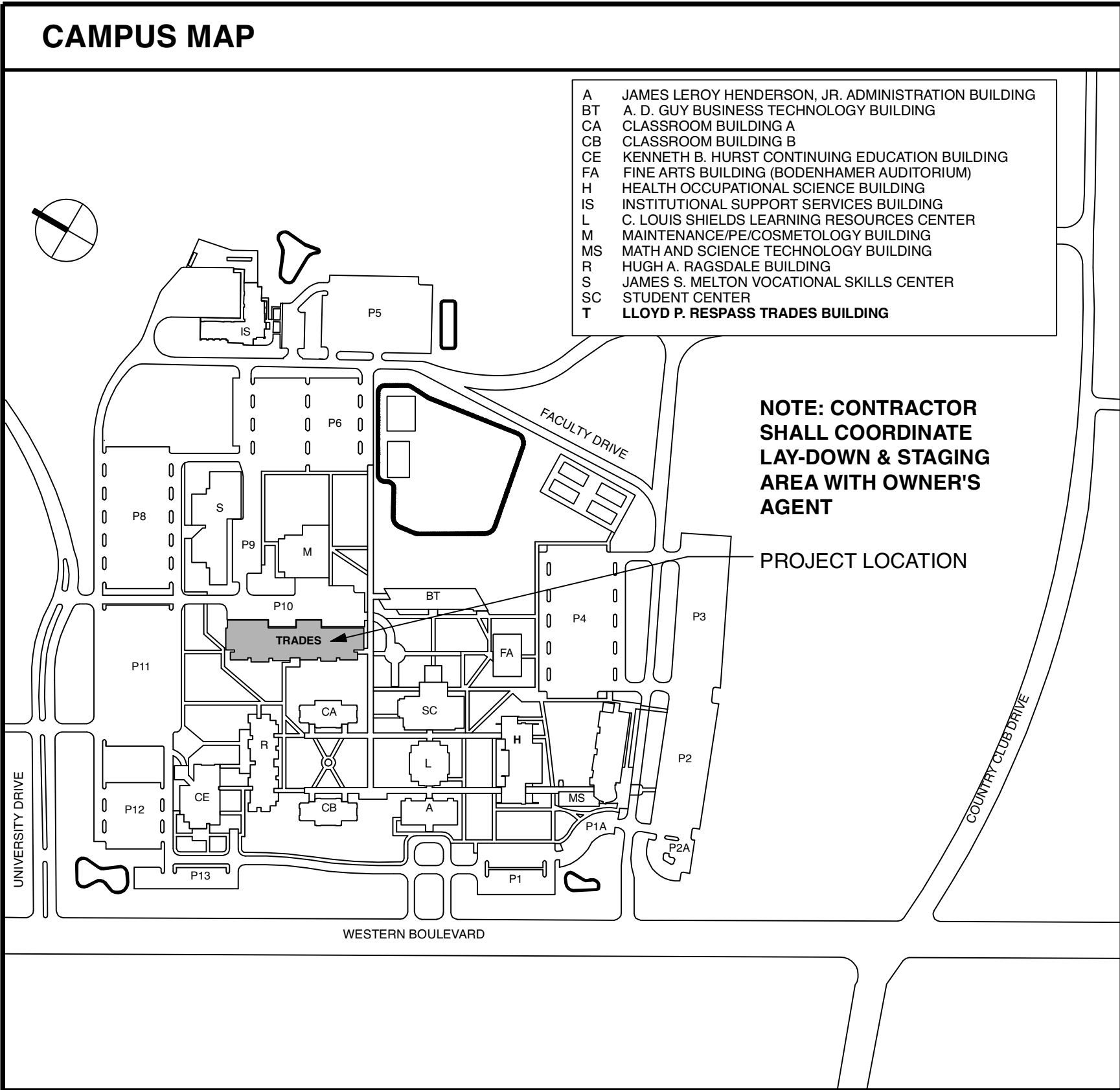
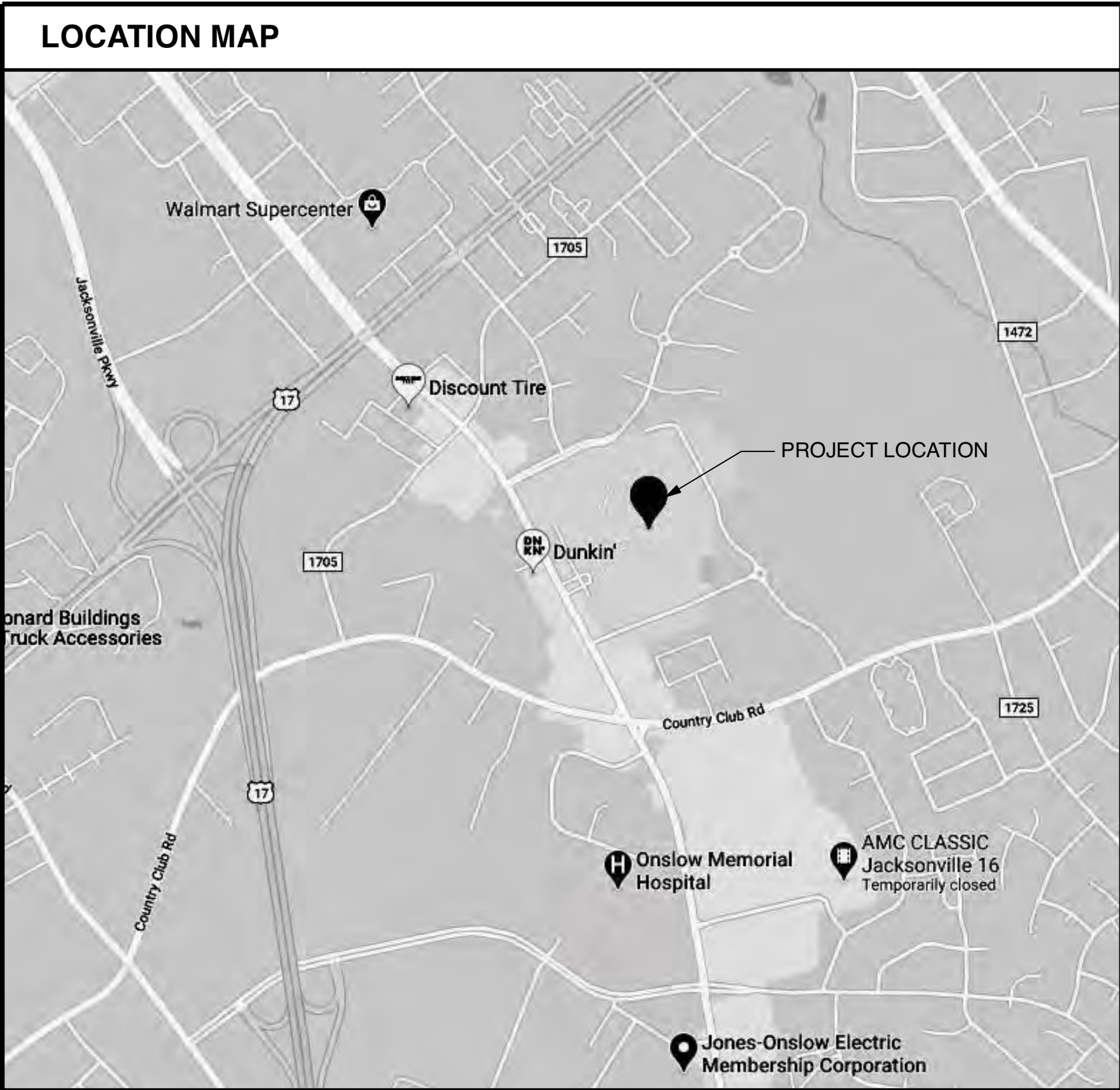


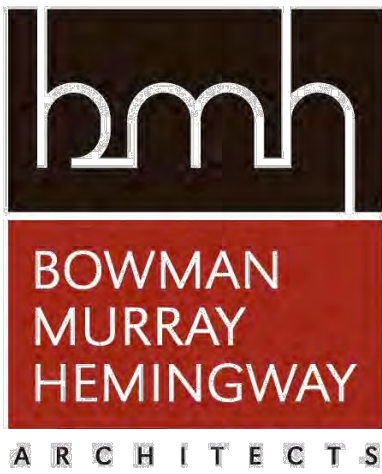
Coastal Carolina Community College

Trades Building Renovation

444 Western Boulevard,
Jacksonville, North Carolina 28546



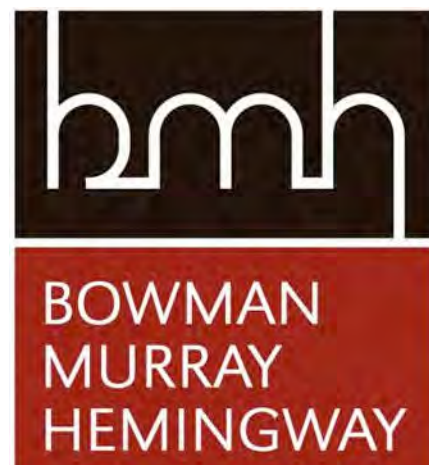
| DRAWING INDEX | |
|----------------|--|
| G1.0 | COVER SHEET |
| G1.1 | APPENDIX B - BUILDING DATA |
| G1.2 | CAMPUS SITE PLAN |
| ARCHITECTURAL: | |
| D1.1 | DEMOLITION FLOOR AND REFLECTED CEILING PLANS |
| A1.1 | RENOVATION FLOOR AND REFLECTED CEILING PLANS |
| A2.0 | DOOR AND ROOM FINISH SCHEDULES |
| STRUCTURAL: | |
| S1.01 | GENERAL NOTES |
| S2.01 | PARTIAL FLOOR FRAMING / DEMO PLAN AND SECTIONS |
| MECHANICAL: | |
| M-0.1 | MECHANICAL SUMMARY, LEGEND, ABBREVIATIONS AND SYMBOLS |
| M-0.2 | MECHANICAL SPECIFICATIONS |
| MD1.1 | MECHANICAL DEMOLITION PLANS |
| MH1.1 | MECHANICAL PLANS |
| M-5.1 | MECHANICAL DETAILS |
| M-7.1 | MECHANICAL CONTROLS |
| ELECTRICAL: | |
| E-0.1 | ELECTRICAL LOAD SUMMARIES, LEGEND, ABBREVIATIONS AND PANEL SCHEDULES |
| E-0.2 | ELECTRICAL GENERAL AND SELECTIVE DEMOLITION NOTES |
| E-0.3 | ELECTRICAL DETAILS AND LIGHTING FIXTURE SCHEDULE |
| ED1.1 | ELECTRICAL DEMOLITION PARTIAL FIRST FLOOR POWER PLAN |
| ED1.2 | ELECTRICAL DEMOLITION PARTIAL FIRST FLOOR LIGHTING AND SYSTEMS PLAN |
| EP1.1 | ELECTRICAL PARTIAL FIRST FLOOR POWER PLAN |
| EL1.1 | ELECTRICAL PARTIAL FIRST FLOOR LIGHTING AND SYSTEMS PLAN |



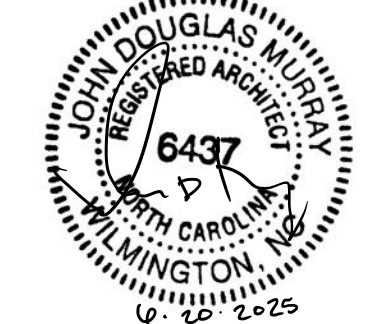
514 Market Street
Wilmington, NC 28401
phone 910.762.2621
www.bmharch.com

Plumbing / Mechanical / Electrical
CBHF Engineers, PLLC.
2246 Yaupon Drive
Wilmington, NC 28401
(910) 791-4000

Structural:
Woods Engineering
254 North Front Street, Suite 201
Wilmington, NC 28401
(910) 343-8007



ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

| REV. | DATE | DESCRIPTION |
|-----------------|------|-------------|
| Project Manager | | |
| Drawn By | | |
| Date | | |
| Reviewed By | | |
| Project ID | | |
| Sheet Title | | |
| COVER SHEET | | |
| Sheet No. | | |

G1.0

1

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

A

Name of Project: CCCC - Trades Building - Renovation
Address: 444 Western Boulevard, Jacksonville, North Carolina Zip code: 28546
Owner/Authorized Agent: Carol Lurz Phone #: 910-938-6343 E-mail: lurzcc@coastalcarolina.edu
Owned by: ☐ City / County ☐ Private ☒ State
Code Enforcement Jurisdiction: ☒ City Jacksonville, NC ☐ County ☐ State

CONTACT: W. Daniel Hill, AIA - Bowman Murray Hemingway Architects

| DESIGNER | FIRM | NAME | LICENSE # | TELE. # | E-MAIL |
|---------------------------|-------------------------|-------------------|-----------|--------------|-------------------------|
| Architectural | Bowman Murray Hemingway | John Murray | 6437 | 910-762-2621 | murray@bmharch.com |
| Civil | | | | | |
| Electrical | CBHF Engineers | Jason Famiglietti | 35230 | 910-791-4000 | jfam@cbhfengineers.com |
| Fire Alarm | | | | | |
| Plumbing | | | | | |
| Mechanical | CBHF Engineers | David Hahn | 23551 | 910-791-4000 | dhahn@cbhfengineers.com |
| Sprinkler-Standpipe | | | | | |
| Structural | Woods Engineering, PA | Adam Sisk | 41563 | 910-343-8007 | adam@woodseng.com |
| Retaining Walls > 5' High | | | | | |
| Other | | | | | |

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

B

2018 NC BUILDING CODE: ☐ New Construction ☐ Shell/Core ☐ 1st Interior Completions
☐ Addition ☐ Phased Construction - Shell Core

2018 NC BUILDING CODE: EXISTING: ☐ Prescriptive ☐ Alteration Level I ☐ Historic Property
☐ Repair ☒ Alteration Level II ☐ Change of Use
☐ Chapter 14 ☐ Alteration Level III

CONSTRUCTED: (date) 1973 CURRENT OCCUPANCY(S) (Ch.3) : Business (COLLEGE)
RENOVATED: (date) PROPOSED OCCUPANCY(S) (Ch.3) : Business (COLLEGE)
RISK CATEGORY (Table 1604.5) Current: ☐ I ☐ II ☒ III ☐ IV (NO CHANGE)
Proposed: ☐ I ☐ II ☒ III ☐ IV (NO CHANGE)

C

BASIC BUILDING DATA:

Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
(check all that apply) ☐ I-B ☒ II-B ☐ III-B ☐ V-B
Sprinklers: ☒ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☒ No ☐ Yes Flood Hazard Area: ☒ No ☐ Yes
Special Inspections Required: ☒ No ☐ Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

| Gross Building Area Table | | | | ALTERATION AREA |
|---------------------------|--------------------|---------------|-----------|-----------------|
| FLOOR | EXISTING (SQ. FT.) | NEW (SQ. FT.) | SUB-TOTAL | |
| Covered walk area | 1,380 S.F. | | | 3,190 S.F. |
| 1st Floor | 31,835 S.F. | | | |
| TOTAL | 33,215 S.F. | | | |

D

ALLOWABLE AREA
[UNCHANGED IN RENOVATION]

Primary Occupancy Classification(s):
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☒
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ 1 ☐ 2
☐ I-2 Condition ☐ 1 ☐ 2
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4 Condition
Mercantile ☐ I-1 Condition
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

E

Accessory Occupancy Classification(s):
Incidental Uses (Table 509): N / A
Special Uses (Chapter 4 - List Code Sections): 406.8 Repair Garages ; 414/414.3 Hazardous Materials (Not In Project Area)
Special Provisions: (Chapter 5 - List Code Sections): N / A

Mixed Occupancy: ☒ No ☐ Yes Separation: Hr. Exception:
☐ Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
☐ Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each shall not exceed 1.

$$\frac{\text{Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$
$$+ + = \leq 1.00$$

| STORY NO. | DESCRIPTION AND USE | (A) BLDG AREA PER STORY (ACTUAL) | (B) TABLE 506.2 AREA | (C) 1.5 AREA FOR FRONTAGE INCREASE | (D) 2.3 AREA PER STORY OR UNLIMITED |
|-----------|-------------------------------------|----------------------------------|----------------------|------------------------------------|-------------------------------------|
| 1st Floor | Classrooms, Offices, Vocational (B) | 33,215 S.F. | 23,000 | 17,250 | 40,250 |
| | | | | | |

¹ Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 1,110' (F)
b. Total Building Perimeter = 1,110' (P)
c. Ratio (F/P) = 1 (F/P)
d. W = Minimum width of public way = 30+ (W)
e. Percent of frontage increase: If = (F/P - 0.25) x W/30 = 75 (W) (%)
Allowable Area with frontage increase:
A_s = A_i + (NS x Ir) = Business Use = 23,000 + (23,000 x 0.75) = 40,250
² Unlimited area applicable under conditions of Section 507.
³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
⁴ The maximum area of open parking garages must comply with Table 406.5.4.
⁵ Frontage increase is based on the unspinklered area value in Table 506.2.

| ALLOWABLE HEIGHT [UNCHANGED IN PROJECT] | | | |
|---|-----------|-----------------|------------------|
| BUILDING HEIGHT IN FEET (TABLE 504.3) ² | ALLOWABLE | SHOWN ON PLANS | CODE REFERENCE 1 |
| BUILDING HEIGHT IN STORIES (TABLE 504.4) ³ | 55' | Unchanged (20') | |
| | 3 | Unchanged (1) | |

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

| FIRE PROTECTION REQUIREMENTS [PROVIDED PROTECTION - UNCHANGED IN PROJECT] | | | | | | |
|--|---------------------------------|--------------|--|----------------------|-----------------------------|-------------------------------|
| BUILDING ELEMENT | FIRE SEPARATION DISTANCE (FEET) | RATING REQ'D | PROVIDED (W/ REDUCTION) | DETAIL # AND SHEET # | DESIGN # FOR RATED ASSEMBLY | SHEET # FOR RATED PENETRATION |
| Structural frame, including columns, girders, trusses | N/A | 0-hr | 0-hr | | | |
| Bearing walls | | | | | | |
| Exterior | | | | | | |
| North | 30'+ | 0-hr | 0-hr | | | |
| East | 30'+ | 0-hr | 0-hr | | | |
| West | 30'+ | 0-hr | 0-hr | | | |
| South | 30'+ | 0-hr | 0-hr | | | |
| Interior | | | | | | |
| Nonbearing walls and partitions | | | | | | |
| Exterior Walls | | | | | | |
| North | n/a | n/a | n/a | | | |
| East | n/a | n/a | n/a | | | |
| West | n/a | n/a | n/a | | | |
| South | n/a | n/a | n/a | | | |
| Interior Walls and partitions | | | | | | |
| Floor Construction including supporting beams and joists | | 0-hr | Exist. - Slab on Grade | | | |
| Floor Ceiling Assembly | | 0-hr | 0-hr | | | |
| Columns Supporting Floors | | 0-hr | 0-hr | | | |
| Roof Construction including supporting beams & joists | | 0-hr | 0-hr | | | |
| Roof ceiling assembly | | 0-hr | 0-hr | | | |
| Columns supporting roof | | 0-hr | 0-hr | | | |
| Shaft Enclos. - Exit | N/A | | | | | |
| Shaft Enclos. - Other | N/A | | | | | |
| Corridor Separation | 1-hr | 0-hr | (Table 1018.1 - Exception "F" - Single Tenant) | | | |
| Occupancy/ Fire Barrier Separation | N/A | | | | | |
| Party/Fire Wall Separation | N/A | | | | | |
| Smoke Barrier Separation | N/A | | | | | |
| Tenant/ Dwelling unit/ Sleeping unit separation | N/A | | | | | |
| Incidental Use Separation | N/A | | | | | |

| PERCENTAGE OF WALL OPENING CALCULATIONS [UNCHANGED IN PROJECT] | | | |
|---|---|--------------------|---------------------------|
| FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES | DEGREE OF OPENINGS PROTECTION (TABLE 705.8) | ALLOWABLE AREA (%) | ACTUAL SHOWN ON PLANS (%) |
| NORTH: 30'+ | Unprotected/unspinklered | NO LIMIT | unchanged |
| SOUTH: 30'+ | Unprotected/unspinklered | NO LIMIT | unchanged |
| EAST: 30'+ | Unprotected/unspinklered | NO LIMIT | unchanged |
| WEST: 30'+ | Unprotected/unspinklered | NO LIMIT | unchanged |

LIFE SAFETY SYSTEM REQUIREMENTS

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

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan #: Life Safety Plan unchanged in project - Area of Work shown on 2 / G1.1

☒ 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 (Tables 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 amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors 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 items above

ACCESSIBLE DWELING UNITS (SECTION 1107)
[NOT APPLICABLE]

ACCESSIBLE PARKING (SECTION 1106)
[NOT APPLICABLE - EXISTING TO REMAIN - NO CHANGE]

| PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1) [UNCHANGED IN PROJECT] | | | | | | | | | | | |
|--|----------|--------------|--------|--------|---------|------------|--------|--------|----------------|--------------------|------------|
| USE | | WATERCLOSETS | | | URINALS | LAVATORIES | | | SHOWERS / TUBS | DRINKING FOUNTAINS | |
| | | MALE | FEMALE | UNISEX | | MALE | FEMALE | UNISEX | | REGULAR | ACCESSIBLE |
| SPACE | EXIST'G | 4 | 6 | - | 4 | 4 | - | - | - | - | |
| | NEW/RENO | | | | | | | | | | |
| | TOTAL | | | | | | | | | | |
| | REQ'D | 3 | 5 | | 2 | 4 | 4 | - | - | - | |

SPECIAL APPROVALS

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

City of Jacksonville (Local Jurisdiction)

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 vs annual energy cost for the proposed design.

Existing building envelope complies with code: ☒ No ☐ Yes (The remainder of this section is not applicable)

Exempt Building: ☐ No ☒ Yes (Provide code or statutory reference.) NC EXISTING BUILDING CODE 811.1

Climate Zone: ☒ 3A ☐ 4A ☐ 5A

Method of Compliance: Energy Code ☐ Performance ☒ Prescriptive

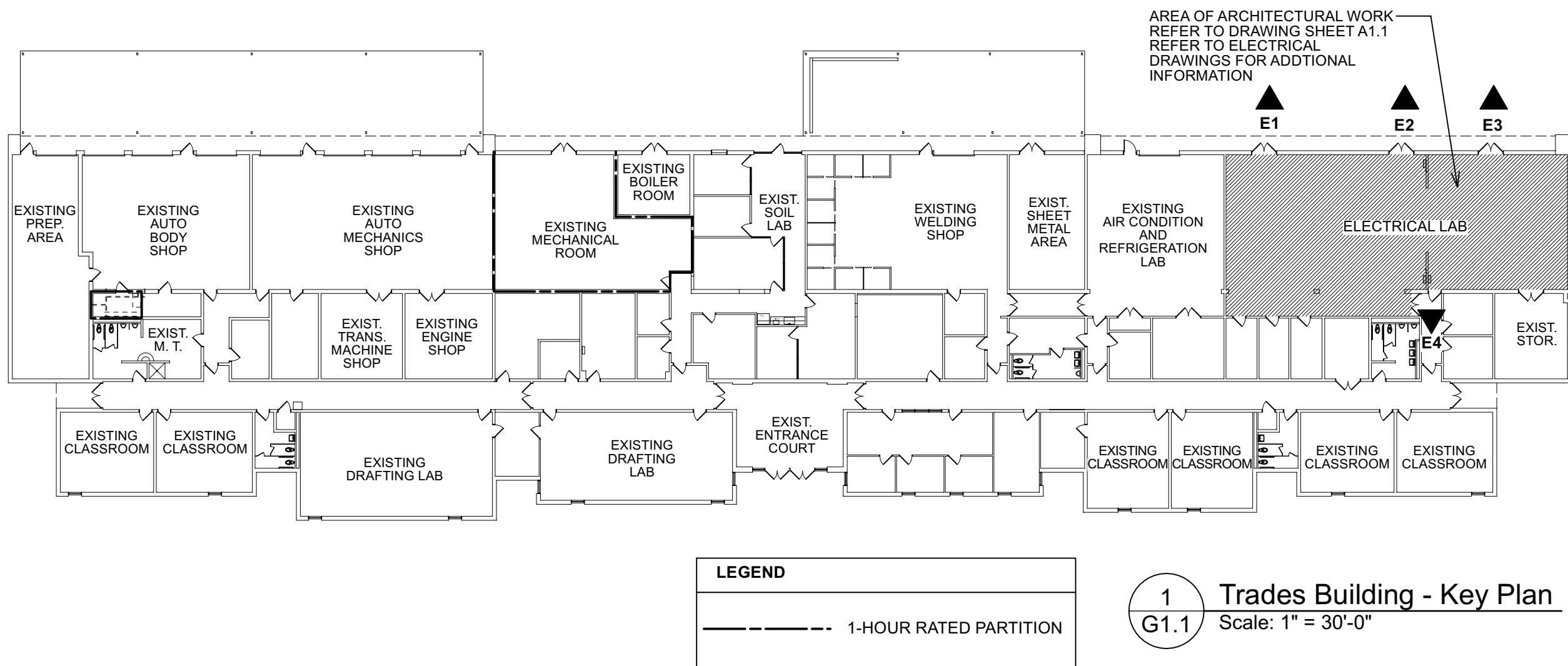
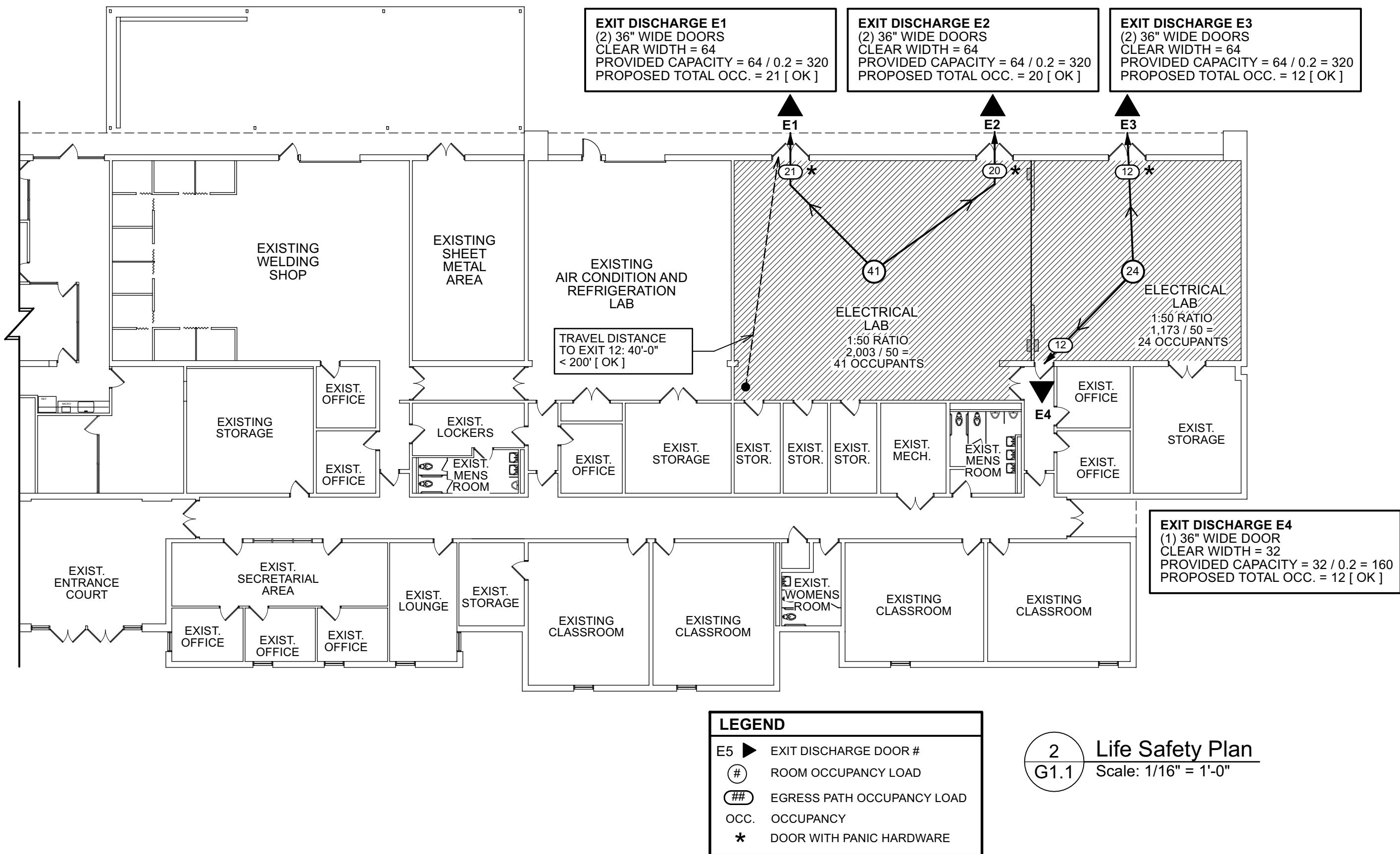
ASHRAE 90.1 ☐ Performance ☐ Prescriptive

(If "Other" specify source here)

STRUCTURAL DESIGN
(See Structural Drawings)

MECHANICAL DESIGN
(See Mechanical Drawings)

ELECTRICAL DESIGN
(See Electrical Drawings)



ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



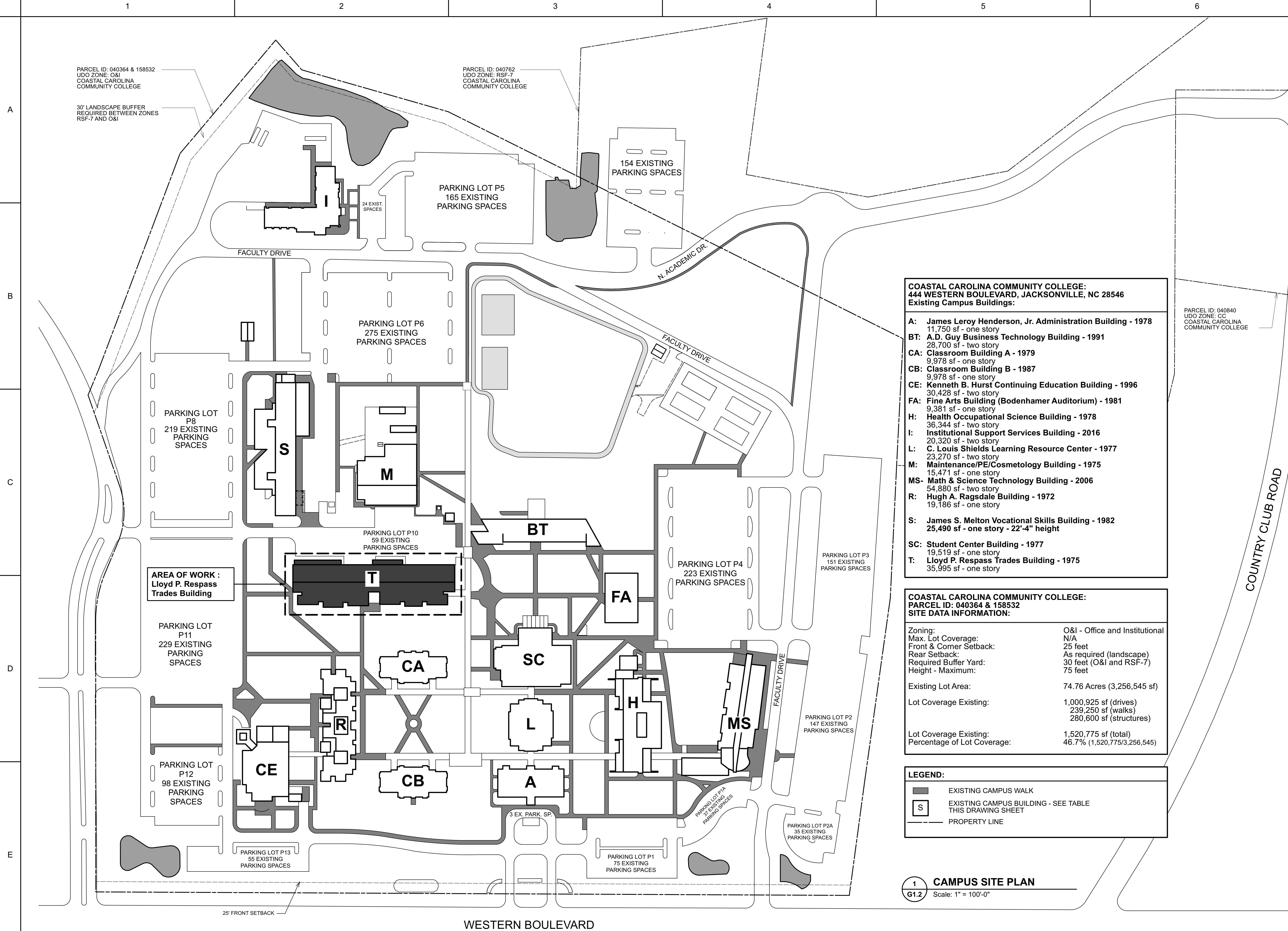
Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

| REV. | DATE | DESCRIPTION |
|-----------------|-------------|-------------|
| Project Manager | Drawn By | DP |
| Date | Reviewed By | JDM |
| 06-20-2025 | | |
| Project ID | | |

APPENDIX B -
BUILDING DATA

Sheet No.

G1.1



| | |
|---|---|
| COASTAL CAROLINA COMMUNITY COLLEGE: 444 WESTERN BOULEVARD, JACKSONVILLE, NC 28546 Existing Campus Buildings: | |
| A: | James Leroy Henderson, Jr. Administration Building - 1978 11,750 sf - one story |
| BT: | A.D. Guy Business Technology Building - 1991 28,700 sf - two story |
| CA: | Classroom Building A - 1979 9,978 sf - one story |
| CB: | Classroom Building B - 1987 9,978 sf - one story |
| CE: | Kenneth B. Hurst Continuing Education Building - 1996 30,428 sf - two story |
| FA: | Fine Arts Building (Bodenhamer Auditorium) - 1981 9,381 sf - one story |
| H: | Health Occupational Science Building - 1978 36,344 sf - two story |
| I: | Institutional Support Services Building - 2016 20,320 sf - two story |
| L: | C. Louis Shields Learning Resource Center - 1977 23,270 sf - two story |
| M: | Maintenance/PE/Cosmetology Building - 1975 15,471 sf - one story |
| MS: | Math & Science Technology Building - 2006 54,880 sf - two story |
| R: | Hugh A. Ragsdale Building - 1972 19,186 sf - one story |
| S: | James S. Melton Vocational Skills Building - 1982 25,490 sf - one story - 22'-4" height |
| SC: | Student Center Building - 1977 19,519 sf - one story |
| T: | Lloyd P. Respass Trades Building - 1975 35,995 sf - one story |

| | |
|--|--|
| COASTAL CAROLINA COMMUNITY COLLEGE: PARCEL ID: 040364 & 158532 SITE DATA INFORMATION: | |
| Zoning: | O&I - Office and Institutional |
| Max. Lot Coverage: | N/A |
| Front & Corner Setback: | 25 feet |
| Rear Setback: | As required (landscape) |
| Required Buffer Yard: | 30 feet (O&I and RSF-7) |
| Height - Maximum: | 75 feet |
| Existing Lot Area: | 74.76 Acres (3,256,545 sf) |
| Lot Coverage Existing: | 1,000,925 sf (drives) 239,250 sf (walks) 280,600 sf (structures) |
| Lot Coverage Existing: | 1,520,775 sf (total) |
| Percentage of Lot Coverage: | 46.7% (1,520,775/3,256,545) |

| | |
|----------------|--|
| LEGEND: | |
| | EXISTING CAMPUS WALK |
| | EXISTING CAMPUS BUILDING - SEE TABLE THIS DRAWING SHEET |
| | PROPERTY LINE |

1
G1.2 **CAMPUS SITE PLAN**
Scale: 1" = 100'-0"

File Number: BP25-00001319
Approval Date: 07/08/25

**BOWMAN
MURRAY
HEMINGWAY**
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621

**Coastal Carolina Community College
Trades Building Renovation**
444 Western Boulevard,
Jacksonville, NC 28546

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |

Project Manager

Drawn By
DP

Date
06-20-2025

Reviewed By
JDM

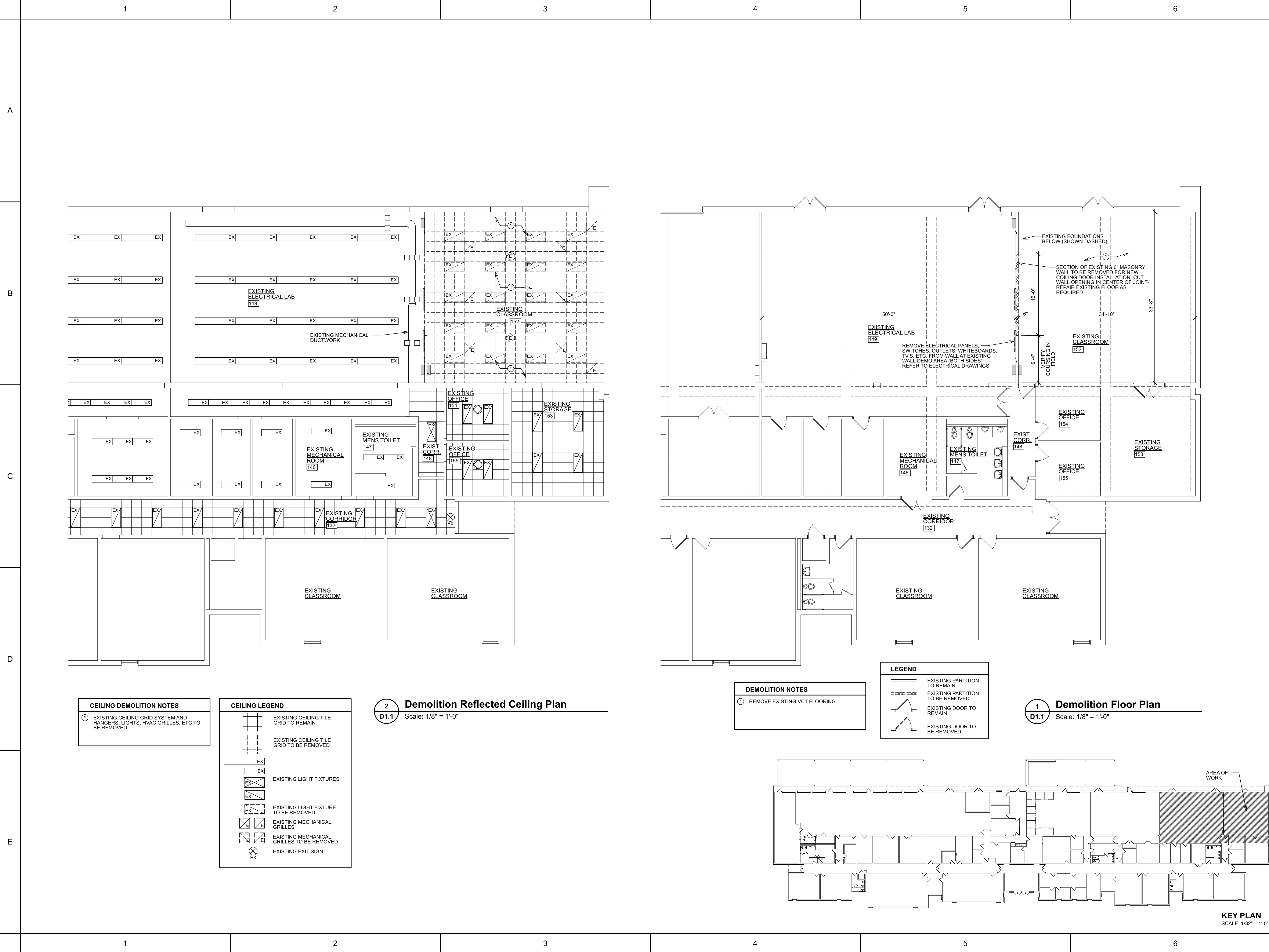
Project ID

Sheet Title

CAMPUS SITE PLAN

Sheet No.

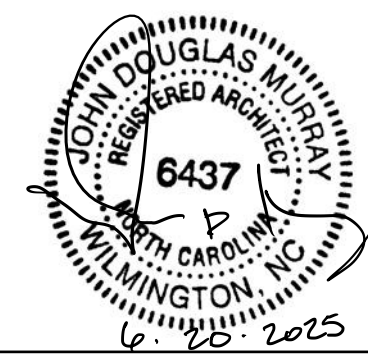
G1.2



**BOWMAN
MURRAY
HEMINGWAY**

ARCHITECTS

514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



**Coastal Carolina Community College
Trades Building Renovation**

444 Western Boulevard,
Jacksonville, NC 28546

REV. DATE DESCRIPTION

Project Manager Drawn By DP

Date 06-20-2025 Reviewed By JDM

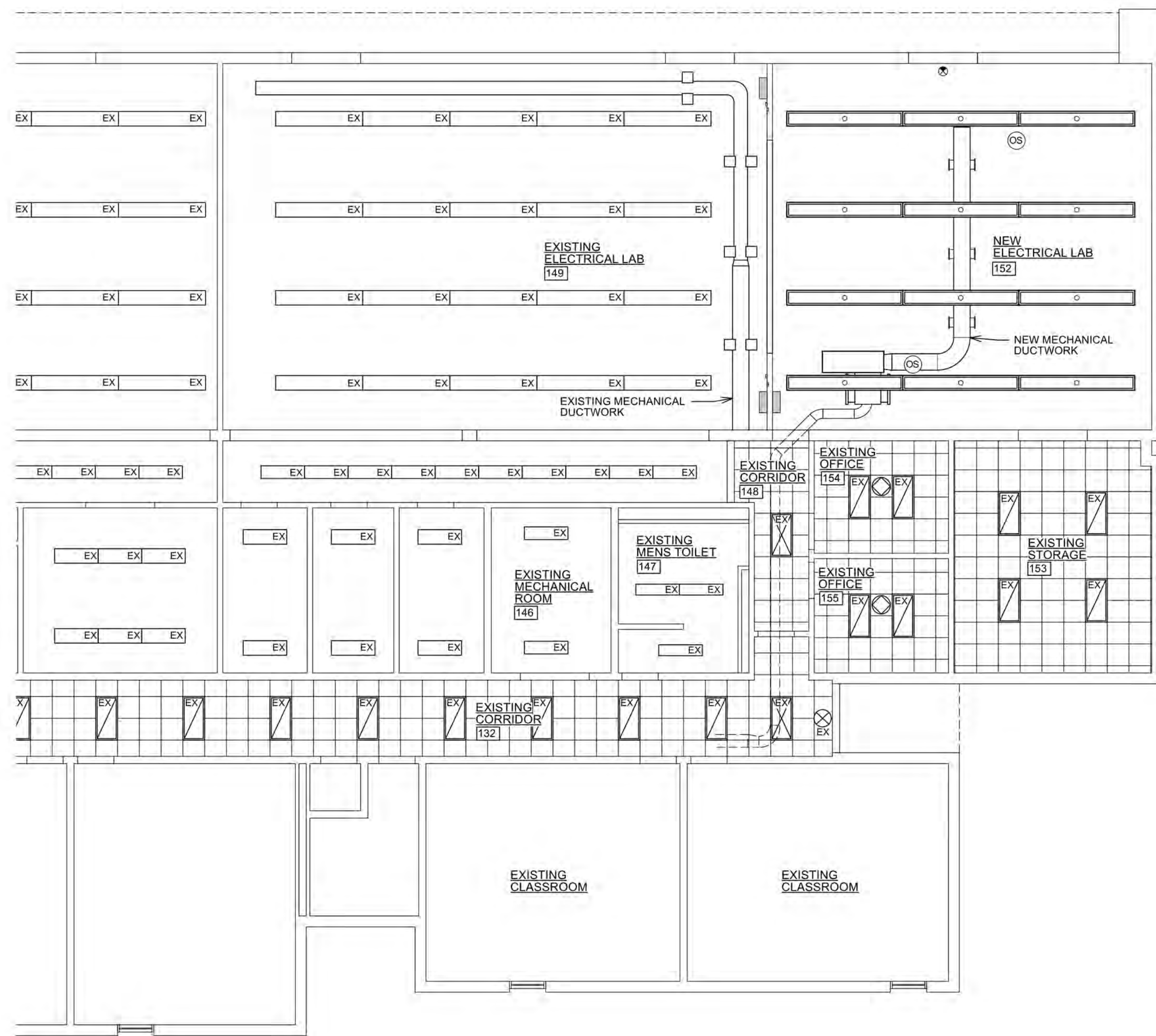
Project ID

Sheet Title

**DEMOLITION FLOOR
AND REFLECTED
CEILING PLANS**

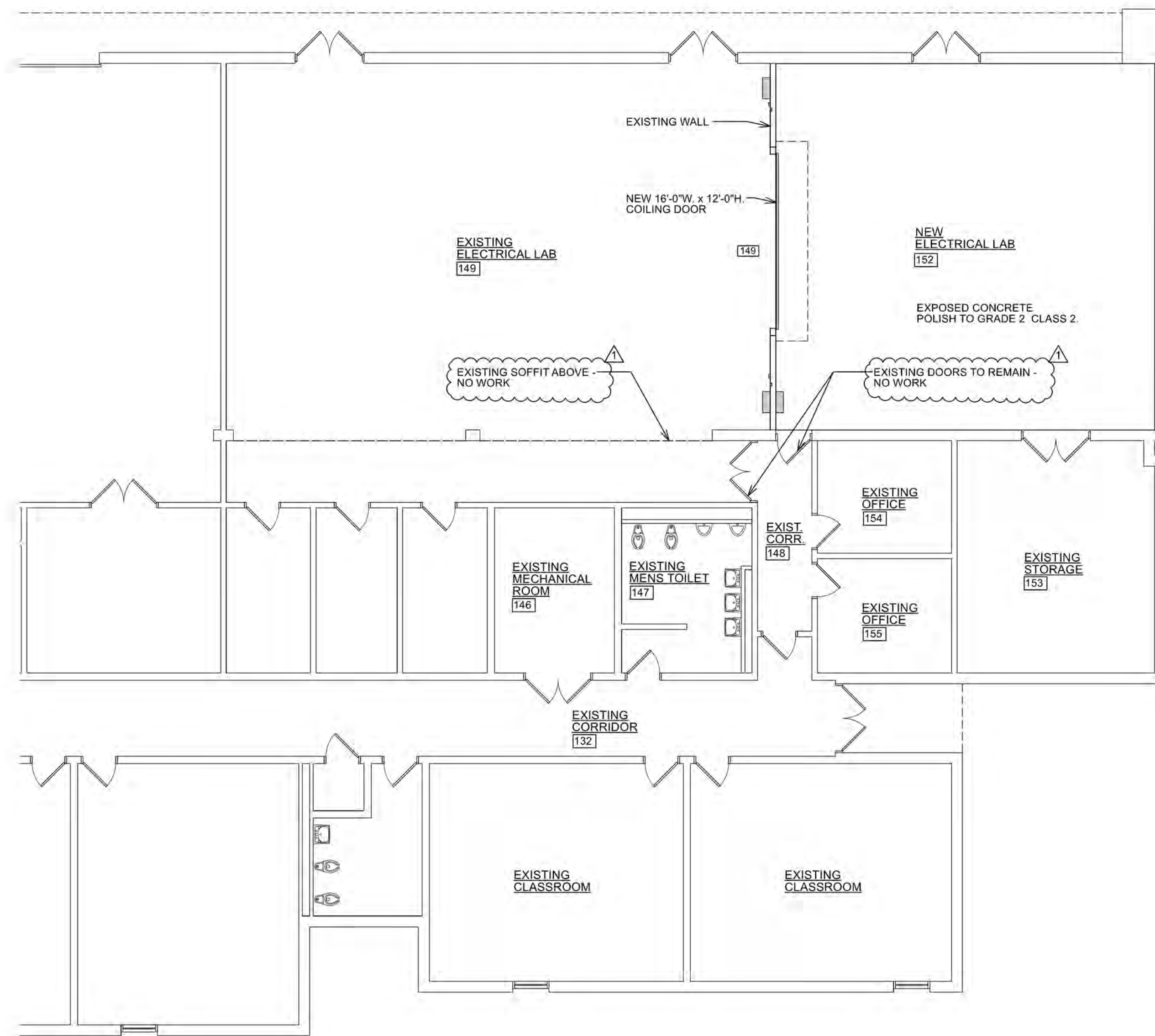
Sheet No.

D1.1

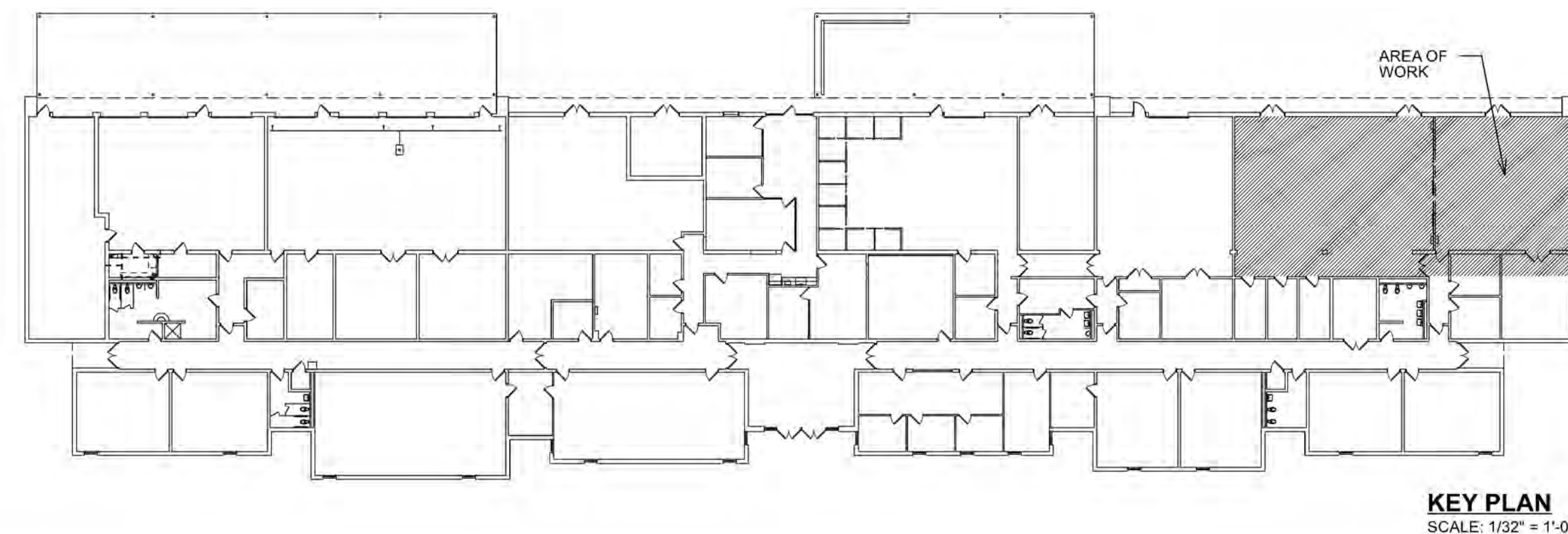


| LEGEND | |
|--------|--------------------------------------|
| | EXISTING CEILING TILE GRID TO REMAIN |
| | EXISTING LIGHT FIXTURES |
| | EXISTING MECHANICAL GRILLES |
| | EXISTING EXIT SIGN |
| | NEW LIGHT FIXTURES |
| | NEW EXIT SIGN |
| | NEW OCCUPANCY SENSOR |

2 Renovation Reflected Ceiling Plan
 Scale: 1/8" = 1'-0"



1 Renovation Floor Plan
 Scale: 1/8" = 1'-0"



KEY PLAN
 SCALE: 1/32" = 1'-0"



**BOWMAN
MURRAY
HEMINGWAY**

ARCHITECTS

514 Market Street
 Wilmington, NC 28401
 Tel - (910) 762-2621



**Coastal Carolina Community College
 Trades Building Renovation**
 444 Western Boulevard,
 Jacksonville, NC 28546

| | |
|----------|--|
| 7.7.2025 | City of Jacksonville - Review Comment Responses |
|----------|--|

| REV | DATE | DESCRIPTION |
|-----------------|------------|-------------|
| Project Manager | Drawn By | DP |
| Date | 06-20-2025 | Reviewed By |
| Project ID | | JDM |

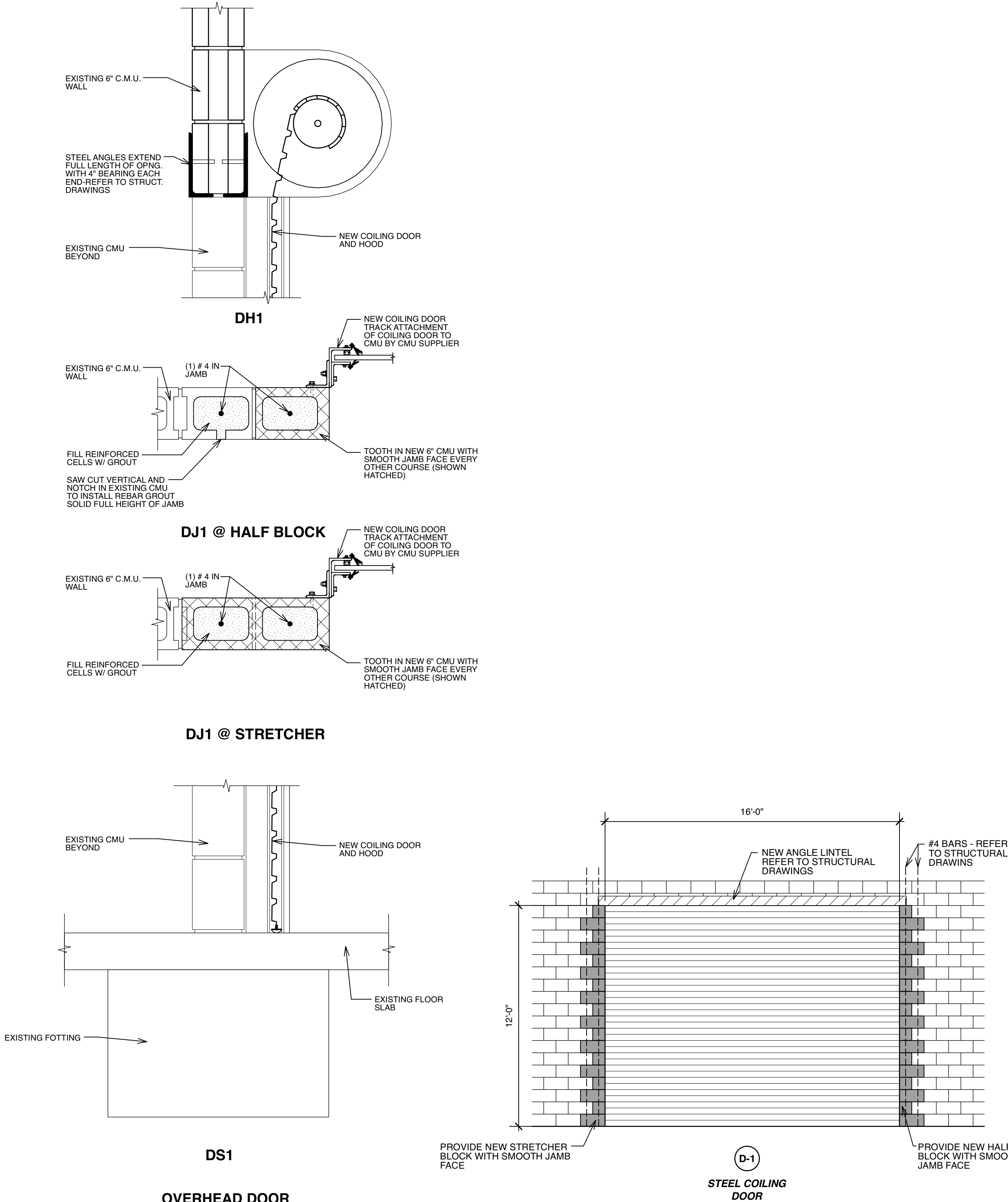
**RENOVATION FLOOR
AND REFLECTED
CEILING PLANS**

Sheet No.
A1.1

| ABBREVIATIONS | |
|---------------|--|
| ALUM. | ALUMINUM |
| APSF | ACRYLIC PLASTER SOFFIT FINISH |
| CPT TL | CARPET TILE & TYPE (SEE FINISH SCHED. LEGEND) |
| CONC. | CONCRETE |
| CMU | CONCRETE MASONRY UNIT |
| DBL | DOUBLE |
| EGAP | EXPOSED GRID ACOUSTICAL PANEL (REFER TO SPECIFICATIONS FOR TYPE) |
| ETR | EXISTING TO REMAIN |
| EXT. | EXTERIOR |
| EXIST. | EXISTING |
| F.F. | FACTORY FINISH |
| GY. BD. | GYPSUM BOARD |
| HM | HOLLOW METAL |
| INSUL. | INSULATED |
| INT. | INTERIOR |
| MIN. | MINUTE |
| OPNG. | OPENING |
| PT. | PAINT |
| RBBS | RUBBER BASE - REFER TO SPECIFICATIONS |
| SCW | SOLID CORE WOOD |
| SCHED | SCHEDULED |
| ST | STAINED |
| TILE | TILE-SEE SPECIFICATIONS FOR TYPE |
| TEMP. | TEMPERED |
| VCT | VINYL COMPOSITE TILE |

| FINISH SCHEDULE | | | | | | | | | | |
|-----------------|-------------------------|------------------------------------|--------|-----------------------|----------------------|-----------------------|----------------------|-------------------------|----------------|---------|
| ROOM # | ROOM NAME | FLOOR | BASE | NORTH WALL MAT/FINISH | EAST WALL MAT/FINISH | SOUTH WALL MAT/FINISH | WEST WALL MAT/FINISH | CEILING MAT | CEILING FINISH | REMARKS |
| 149 | EXISTING ELECTRICAL LAB | | | EXIST. PAINT | EXIST. PAINT | EXIST. PAINT | EXIST. PAINT | | | |
| 152 | NEW ELECTRICAL LAB | POLISHED CONCRETE GRADE 2, CLASS 2 | RBBS 1 | EXIST. PAINT | EXIST. PAINT | EXIST. PAINT | EXIST. PAINT | EXPOSED STRUCTURE PAINT | - | |

| DOOR SCHEDULE | | | | | | | | | | | | | |
|---------------|---------|--------|-----------|----------|--------|-----------|----------------|--------|-----------|------|------|---------|-------------|
| DOOR NO. | OPENING | | | DOOR | | | FRAME | | | | | GLAZING | Fire Rating |
| | WIDTH | HEIGHT | THICKNESS | MATERIAL | FINISH | ELEVATION | FRAME MATERIAL | FINISH | ELEVATION | HEAD | JAMB | SILL | |
| 149 | 16'-0" | 12'-0" | --- | F.F. | FF | D-1 | STEEL | FF | - | DH1 | DJ1 | DS1 | |



2

A2.0

Door Details

Scale: 1 1/2" = 1'-0"

1

A2.0

Door Elevations

Scale: 1/4" = 1'-0"





**BOWMAN
MURRAY
HEMINGWAY**

ARCHITECTS

514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

| REV. | DATE | DESCRIPTION |
|-----------------|------|-----------------|
| Project Manager | | Drawn By DP |
| Date | | Reviewed By JDM |
| 06-20-2025 | | |
| Project ID | | |

Sheet Title

**DOOR AND ROOM
FINISH SCHEDULES**

Sheet No.

A2.0

| | 1 | 2 | 3 | 4 | 5 | 6 | | | | | | | | | | | | | | | | | | | | | |
|-------|---------------------------------|---|---------------|---------------------------------------|---|---|------|-----------|---------------|---------------------------------------|------|------|----|--|-------|-----|--|------|------|----|--|-------|-----|--|--|--|--|
| A | 1.0 | CODES AND STANDARDS: | | | | <div><div><div><div><div><div>W</div><div>E</div></div></div><div><div><div><div>WOODSENGINEERING</div><div>Consulting Structural Engineers</div></div></div><div><div><div><div>254 North Front Street Suite 201 Wilmington, NC 28401</div><div><div>Phone: 910.343.8007 Fax: 910.343.8088 www.woodseng.com</div></div></div></div></div></div><div><div><div>Approved</div><div>JACKSONVILLE, N.C.</div><div>File Number: BP25-00001319 Approval Date: 07/06/25</div></div></div></div></div></div> | | | | | | | | | | | | | | | | | | | | | |
| | 1.1 | 2018 North Carolina State Building Code | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1.2 | "Minimum Design Loads for Buildings and other Structures" SEI/ASCE 7-16. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1.3 | "Building Code Requirements for Masonry Structures" TMS 402-13. | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 1.4 | "Specification for Structural Steel Buildings" AISC 360-10. | | | | <div><div><div><div><div><div>hmm</div></div></div><div><div><div><div>BOWMAN MURRAY HEMINGWAY</div></div></div><div>ARCHITECTS</div><div>514 Market Street Wilmington, NC 28401 Tel - (910) 762-2621 Fax - (910) 762-8506</div></div></div></div></div> | | | | | | | | | | | | | | | | | | | | | |
| | 1.5 | "Structural Welding Code - Steel (AWS D1.1)" and "Structural Welding Code - Reinforcing Steel (AWS D1.4)", American Welding Society. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.0 | DESIGN LOADS: Project Located in: City of Jacksonville, County of Onslow, State of North Carolina. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2.1 | Gravity Loads: (Reduced where allowed) | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | | <table><tr><th colspan="4">GRAVITY LOADS</th></tr><tr><th>Case</th><th>Locations</th><th>Uniform (psf)</th><th>Concentrated (lbs) (Over 2.5x2.5')</th></tr><tr><td rowspan="2">DEAD</td><td>Roof</td><td>20</td><td></td></tr><tr><td>Floor</td><td>100</td><td></td></tr><tr><td rowspan="2">LIVE</td><td>Roof</td><td>20</td><td></td></tr><tr><td>Floor</td><td>100</td><td></td></tr></table> | GRAVITY LOADS | | | | Case | Locations | Uniform (psf) | Concentrated (lbs) (Over 2.5x2.5') | DEAD | Roof | 20 | | Floor | 100 | | LIVE | Roof | 20 | | Floor | 100 | | | | |
| | GRAVITY LOADS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Case | Locations | Uniform (psf) | Concentrated (lbs) (Over 2.5x2.5') | | | | | | | | | | | | | | | | | | | | | | | |
| | DEAD | Roof | 20 | | | | | | | | | | | | | | | | | | | | | | | | |
| Floor | | 100 | | | | | | | | | | | | | | | | | | | | | | | | | |
| LIVE | Roof | 20 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Floor | 100 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.2 | Snow Loads per Referenced Code. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Pg = 10 psf I = 1.1 Ce = 0.9 Ct = 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.3 | Risk Category = III | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | Wind Loads per Referenced Code | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | | Alterations are permitted to be made to any structure without requiring the structure to comply with Sections 1609 provided the alteration complies with requirements for new structures and the following conditions are met: | | | | <div><div><div><div><div><div>WOODSENGINEERING, P.A.</div></div></div><div><div><div><div>CORPORATE SEAL</div></div></div><div>No. C-1806</div></div></div><div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div></div><div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> <div><div><div><div>NORTH CAROLINA PROFESSIONAL SEAL</div></div></div><div>041563</div></div> | | | | | | | | | | | | | | | | | | | | | |

- 3.0 STRUCTURAL MASONRY:
- 3.1 All structural masonry shall conform to ACI 530 standards as appropriate to the material.
- 3.2 Concrete Masonry Units (CMU):
- a. Units shall be lightweight cellular units conforming to ASTM C 90, Grade N-2. Concrete masonry net area unit strength shall be no less than 2,000psi in accordance with ASTM C 140, with a unit weight not exceeding 95 pcf.
 - b. Design compressive strength of CMU (fm) = 2,000psi.
- 3.3 Mortar shall conform to ASTM C 270. Mortar shall be type "S" and shall conform to the ASTM C270 proportion requirements.
- 3.4 Neither type "N" mortar nor masonry cement shall be used as part of the lateral force resisting system.
- 3.5 Grouting:
- a. Grout shall conform to ASTM C476 as specified by proportion. Masonry grout shall conform to the ASTM proportion requirements for coarse grout with a slump of 8 to 11 inches. Contractor may substitute grout with pea gravel concrete masonry fill, see note 4.2 this sheet.
 - b. All bond beams shall be filled with grout and reinforced as indicated on the drawings (details or schedules). Mortar fill is not permitted.
 - c. All masonry wall cells or cavities indicated as reinforced shall be grouted for the full height of the wall, unless specifically noted otherwise on the drawings. Unreinforced walls indicated as grouted shall be grouted full height, unless specifically noted otherwise. Mortar fill is not permitted.
 - d. All masonry cells or cavities below grade shall be grouted solid unless specifically noted otherwise on the drawings. Mortar fill is not permitted.
 - e. Vertical grouting shall be low lift or high lift as follows:
 - (1) Low lift grouting shall be used for all cavity walls and may be used for all walls at the option of the Contractor. Lifts shall not exceed 4'-0" in height.
 - (2) High lift grouting is permissible only for filling of cellular masonry units and shall not exceed 12'-8" in height. Clean out holes shall be provided at the base of each grouted cell.
 - f. Grouting shall be stopped 1/2" below the top of a course to form a key at the joint.
 - g. Grouting of masonry beams or lintels shall be done in one continuous operation.
 - h. Consolidate pours with mechanical vibrator and reconsolidate by mechanical vibration after initial water loss and settlement has occurred.
 - i. Mechanical vibrator shall be a low velocity vibrator with a 3/4" head.
- 3.6 Masonry Reinforcing:
- a. Foundation dowels may slope a maximum of 1:6 to align with wall cavities or vertical CMU cores. Greater slopes will require replacement of the foundation dowels.
 - b. Spliced reinforcing shall be lapped a length calculated per IBC 2107.5 OR 15" OR as shown on drawings, whichever is greatest. All splices shall be wired together.
 - c. Vertical reinforcing bars shall have a minimum clearance of 3/4" from masonry and shall be held in position top and bottom and at intervals not exceeding 4'-0". Accessories for such support shall be used. Provide "AA Wire Products Company" (or approved equal) Rebar Positioner AA225 or AA239 for vertical bars and AA236 for horizontal bars or approved equal products from other suppliers.
 - d. Horizontal joint reinforcing shall be lapped no less than 6" all splices, including corners and tees where no control joint is used.
 - e. All horizontal joint reinforcing shall stop at control joints.
 - f. Horizontal reinforcing in bond beams shall be continuous through control joints.
 - g. All CMU walls shall have joint reinforcing @ 16"o.c. All joint reinforcing shall have (2) 9 gauge (0.148"Ø or W1.7) side rods & cross rods @ 16"o.c.
- 3.7 Masonry contractor shall provide for and coordinate with other trades for placement of all items to be embedded or built into the masonry.

| MINIMUM SPLICING LENGTH (Ld) FOR MASONRY | |
|---|---------------|
| BAR SIZE | SPLICE LENGTH |
| #3 | 16" |
| #4 | 22" |
| #5 | 26" |
| #6 | 43" |
| #7 | 60" |

- 4.0 STRUCTURAL STEEL:
- 4.1 All structural steel shall be of the grades indicated below, unless noted otherwise on plans or details.
- Rolled shapes ASTM A992 Gr. 50
 - Steel pipe ASTM A53, Type E or S, Grade B, Fy-35ksi
 - Structural tubing ASTM A500, Grade B, Fy-46ksi
 - Plates and bars ASTM A36 U.N.O.
 - Anchor rods ASTM F1554, Grade 36 U.N.O.
 - Miscellaneous ASTM A36 U.N.O.
- 4.2 All structural steel shall be detailed, fabricated and erected in accordance with the AISC Code of Standard Practice.
- 4.3 Welded connections:
- a. All welding shall be in accordance with the "Structural Welding Code - Steel" (AWS D1.1) of the American Welding Society, Latest Edition.
 - b. Electrodes for welding shall comply with the requirements of Table 4.1.1 of the AWS code.
 - c. At Moment Connections and Braced Frames Provide filler Metal that has a minimum CVN Toughness of 20 ft-lbs at minus 20 degrees F. As determined by AWS classification or Manufacturer Certification.
 - d. Proof of welder certification shall be available at the job site during times of inspection.
- 4.4 Minimum plate thickness shall be 3/8" U.N.O.; minimum bolt diameter shall be 3/4-inch U.N.O.; minimum shop weld shall be 3/16" and minimum field weld shall be 1/4-inch U.N.O.
- 4.5 All re-entrant corners (such as copes and blocks) shall be cut and shaped notch free with a radius of at least 1/2-inch.
- 5.0 SHOP DRAWING SUBMITTAL:
- 5.1 See Project Manual
- 5.2 Contractor shall submit Electronic copies (PDF format) of each shop drawing for review. Shop drawings shall be reviewed by the Contractor prior to submission to the Engineer. The Contractor shall allow 10 working days for shop drawing approval.
- 6.0 CONSTRUCTION AND SAFETY:
- 6.1 Woods Engineering P.A.'s responsibility is limited to the details and information shown on these drawings. It is the responsibility of the Contractor to provide adequate safety measures required by local codes as well as OSHA Standards for the Construction Industry. This should include, but not be limited to the following:
Shoring to protect new as well as existing structures.
Necessary Scaffolding.
Material Handling Equipment.
Trench Boxing.

ABBREVIATIONS

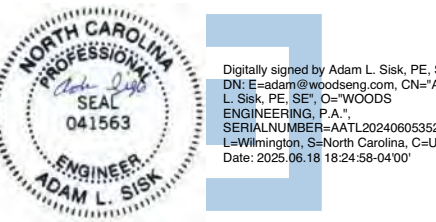
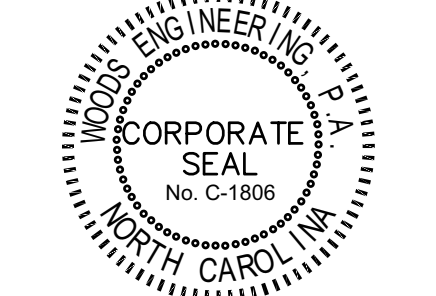
| | | | |
|----------|--|---------|--------------------------|
| @ | AT | HT | HIP TRUSS |
| & | AND | IFM | INSIDE FACE OF MASONRY |
| AB | ANCHOR BOLTS | INT | INTERIOR |
| ACI | AMERICAN CONCRETE INSTITUTE | JBE | JOIST BEARING ELEVATION |
| ADDL | ADDITIONAL | JT | JOINT |
| AFF | ABOVE FINISHED FLOOR | K | KIP-S |
| AISC | AMERICAN INSTITUTE OF STEEL CONSTRUCTION | KB | KICKER BRACE |
| | | KSI | KIPS PER SQUARE INCH |
| AISI | AMERICAN IRON AND STEEL INSTITUTE | (L) | LONG SIDE REINFORCEMENT |
| ALT | ALTERNATE | LB | LONG BAR |
| ARCH | ARCHITECTS - ARCHITECTURAL | LBS | POUNDS |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS | LLH | LONG LEG HORIZONTAL |
| | | LLV | LONG LEG VERTICAL |
| AWS | AMERICAN WELDING SOCIETY | LOW | LOW |
| B, BOTT | BOTTOM | LOC | LOCATION |
| BCX | BOTTOM CHORD EXTENSION | LWC | LIGHT WEIGHT CONCRETE |
| BFF | BELOW FINISHED FLOOR | MAX | MAXIMUM |
| BLDG | BUILDING | MC | MOMENT CONNECTION |
| BM | BEAM | MECH | MECHANICAL |
| BOS | BOTTOM OF STEEL | MFR | MANUFACTURER |
| BRG | BEARING | MID | MIDDLE |
| BTWN | BETWEEN | MIN | MINIMUM |
| OFS | COLD FORMED STEEL | MISC | MISCELLANEOUS |
| CJ | CONTRACTION JOINT | MOW | MIDDLE OF WALL |
| CL | CENTERLINE | MP | MASONRY PLASTER |
| CLR | CLEAR | d | NAILS - PENNY |
| CMU | CONCRETE MASONRY UNITS | No | NUMBER |
| COL | COLUMN | NS | NEAR SIDE |
| CONC | CONCRETE | NTS | NOT TO SCALE |
| CONN | CONNECTION | NWC | NORMAL WEIGHT CONCRETE |
| CONST JT | CONSTRUCTION JOINT | OC | ON CENTER |
| CONT | CONTINUOUS | OFB | OUTSIDE FACE OF BRICK |
| CONTR | CONTRACTOR | OFM | OUTSIDE FACE OF MASONRY |
| CSJ | COMPOSITE STEEL JOIST | OFS | OUTSIDE FACE OF STUD |
| CTRD | CENTERED | OPNG | OPENING |
| DBA | DEFORMED BAR ANCHOR | OPP | OPPOSITE HAND |
| DD | DELEGATED DESIGN | PEBS | PRE-ENGINEERED BUILDING |
| DEFL | DEFLECTION | | SUPPLIER |
| DEPR | DEPRESSION - DEPRESSED | PED | PEDESTAL |
| DET | DETAIL | PL | PLATE |
| DIAG | DIAGONAL | PSF | POUNDS PER SQUARE FOOT |
| Ø | DIAMETER | PSI | POUNDS PER SQUARE INCH |
| DIM | DIMENSION | PSL | PARALLEL STRAND LUMBER |
| DIST | DISTANCE | PLF | POUNDS PER LINEAR FOOT |
| DWG(S) | DRAWING(S) | PT | PRESSURE TREATED |
| DWL(S) | DOWEL(S) | REF | REFERENCE |
| EA | EACH | REINF | REINFORCING |
| ELEV | ELEVATION | REQD | REQUIRED |
| EMBED | EMBEDDED - EMBEDMENT | (S) | SHORT SIDE REINFORCEMENT |
| ENG | ENGINEER | SB | SHORT BAR |
| EOR | ENGINEER OF RECORD | SCHD | SCHEDULE |
| EQ | EQUAL | SF | STEP FOOTING |
| EQUIP | EQUIPMENT | SIM | SIMILAR |
| EF | EACH FACE | SOG | SLAB ON GRADE |
| EJ | EXPANSION JOINT | SPEC(S) | SPECIFICATION(S) |
| EOD | EDGE OF DECK | SPF | SPRUCE PINE FUR |
| EOM | EDGE OF MASONRY | SQ | SQUARE |
| EOS | EDGE OF SLAB | STD | STANDARD |
| EOW | EDGE OF WALL | STIFF | STIFFENER |
| EW | EACH WAY | STIRR | STIRRUP |
| EXIST | EXISTING | STL | STEEL |
| EXP | EXPANSION | STR | STRUCTURAL |
| EXT | EXTERIOR | SW | SHEAR WALL |
| FDN | FOUNDATION | SYP | SOUTHERN YELLOW PINE |
| FFE | FINISHED FLOOR ELEVATION | T | TOP |
| FS | FAR SIDE | TCX | TOP CHORD EXTENSION |
| FTG | FOOTING | TOC | TOP OF CONCRETE |
| GA | GAUGE | TOS | TOP OF STEEL |
| GALV | GALVANIZED | TOW | TOP OF WALL |
| GT | GIRDER TRUSS | TYP | TYPICAL |
| HD | HEADED | UNO | UNLESS NOTED OTHERWISE |
| HI | HIGH | VB | VEHICLE BARRIER |
| HORIZ | HORIZONTAL | VERT | VERTICAL |
| HSS | HOLLOW STRUCTURAL SECTION | VIF | VERIFY IN FIELD |
| | | W | WITH |
| | | WWF | WELDED WIRE FABRIC |

DO NOT SCALE DIGITAL OR HARD COPIES OF THESE DRAWINGS.

Unless Specifically Noted - Drawings, Plans, Sections, Details, Etc. are a graphic representation of the framing conditions and/or requirements.
Rebar lengths, bends & etc. SHALL NOT be determined by scaling any drawings included in this set of documents. Lengths & sizes shall be determined by the schedules only, or specifically requested if not numerically shown. Submit a written request to Woods Engineering, PA if further clarification is needed.



ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506



Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
|------|------|-------------|

| | |
|-------------------|-------------------|
| Project Manager | Drawn By JK |
| Date 6-20-2025 | Reviewed By AS |
| Project ID | |

Sheet Title

GENERAL NOTES

Sheet No.

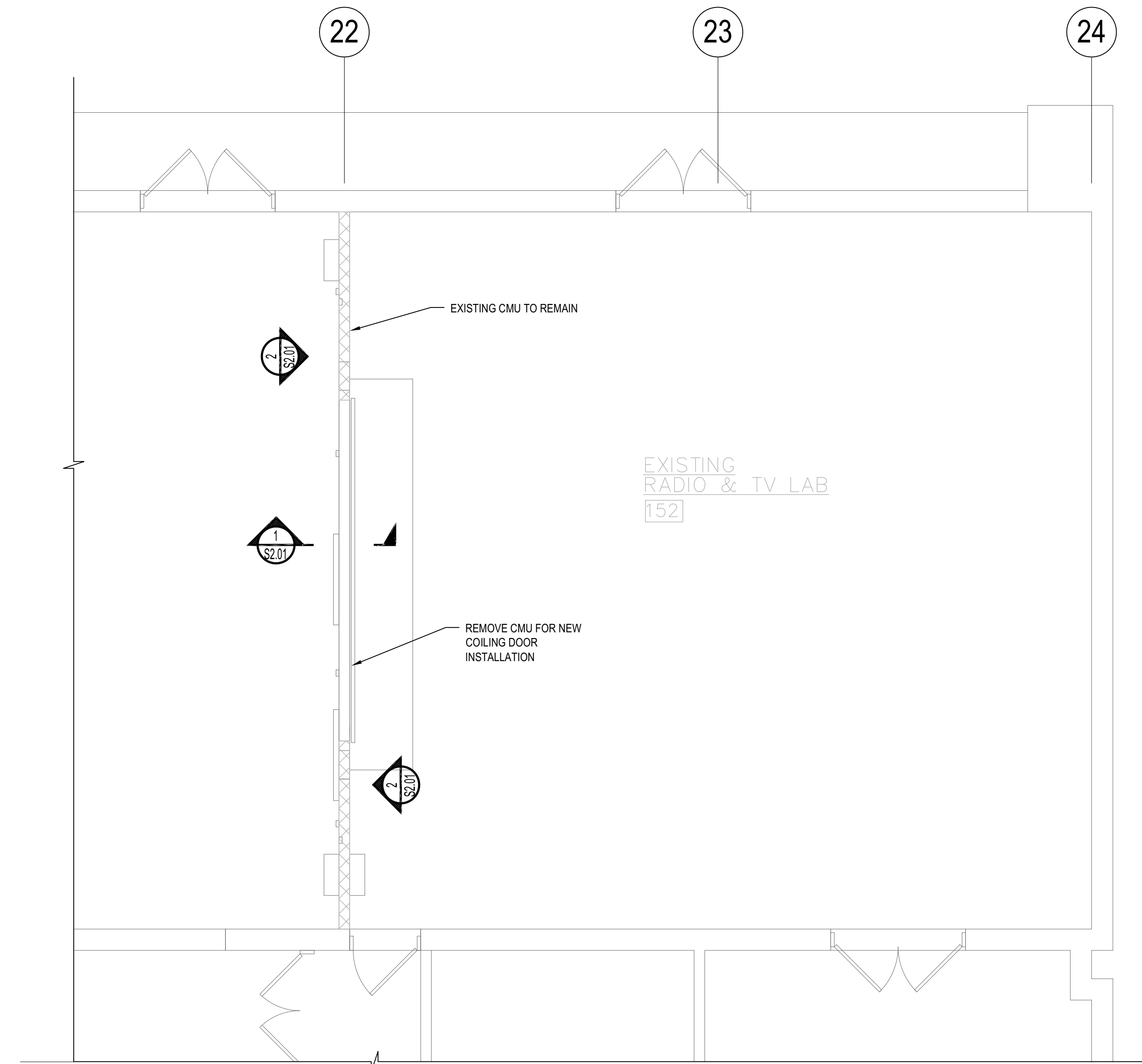
S1.01

| REV. | DATE | DESCRIPTION |
|-----------------|------|----------------|
| Project Manager | | Drawn By JK |
| Date | | Reviewed By AS |
| 6-20-2025 | | |
| Project ID | | |

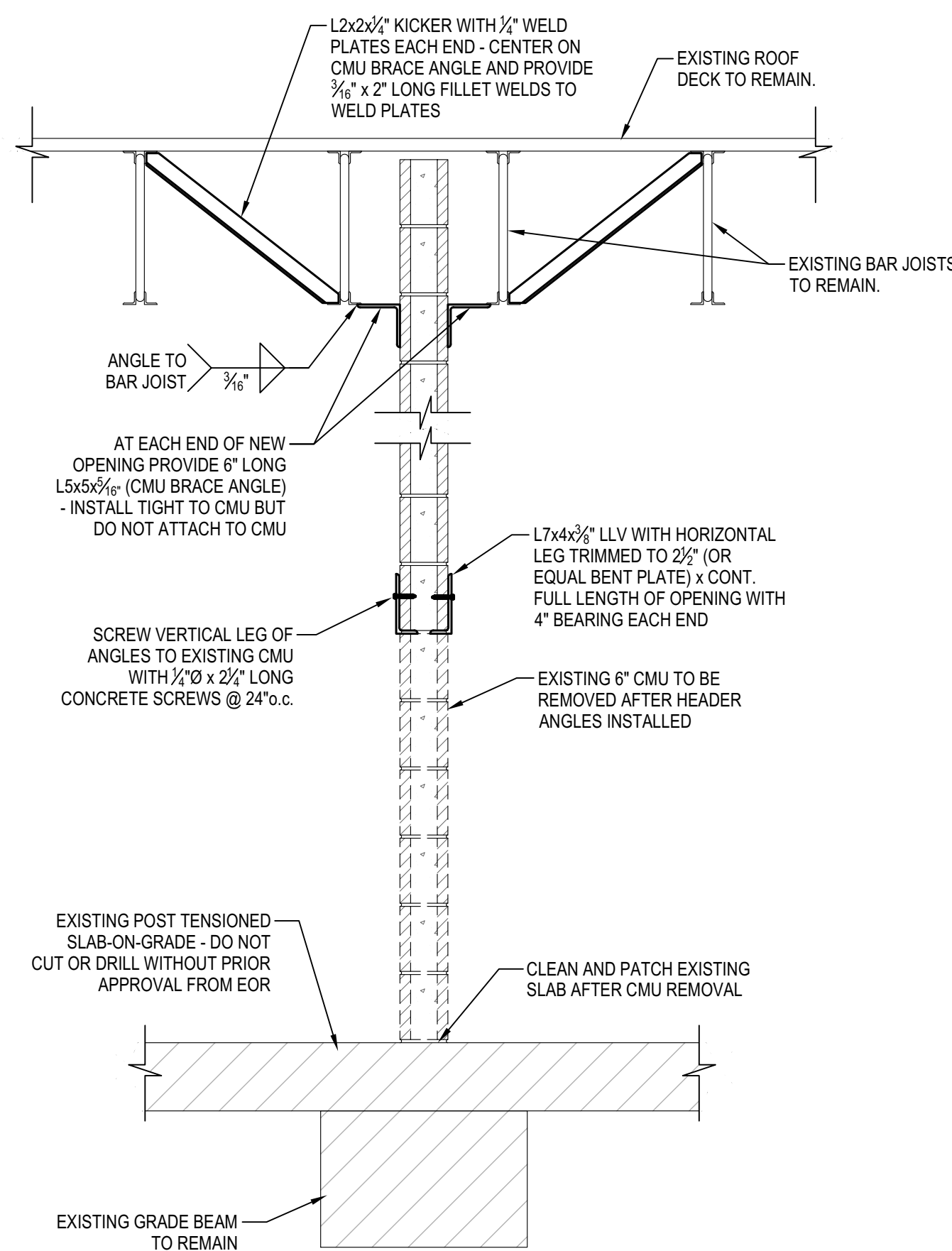
Sheet Title
**PARTIAL FLOOR
FRAMING / DEMO
PLAN AND SECTIONS**

Sheet No.

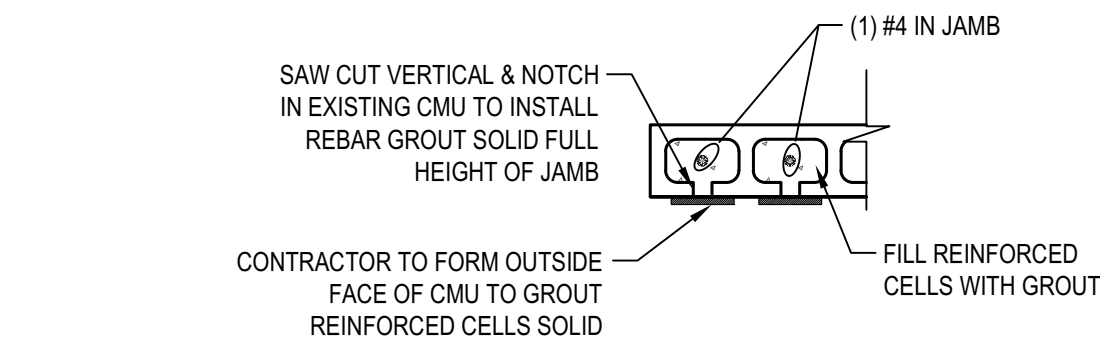
S2.01



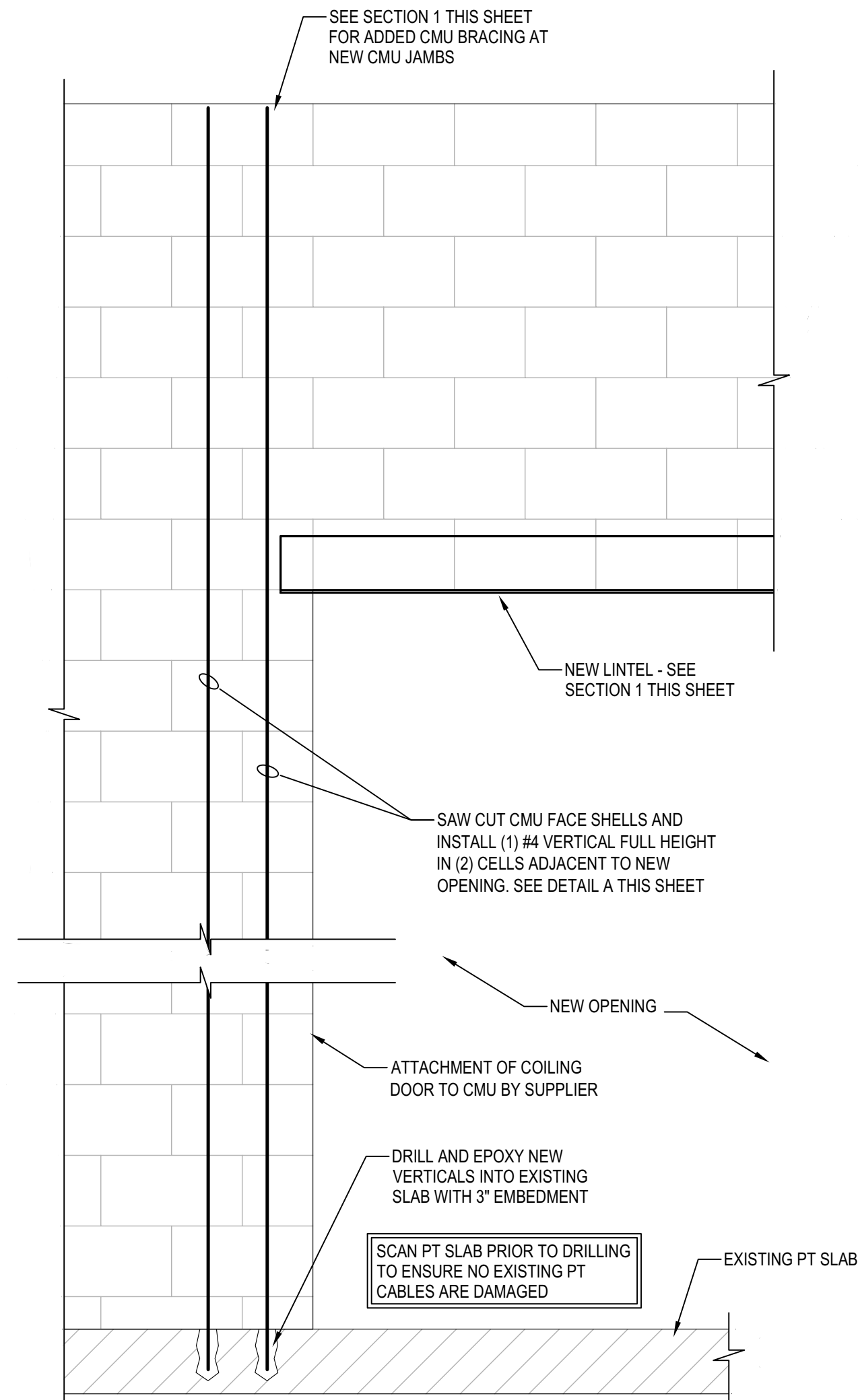
PARTIAL FLOOR FRAMING / DEMO PLAN
SCALE: 1/4" = 1'-0"



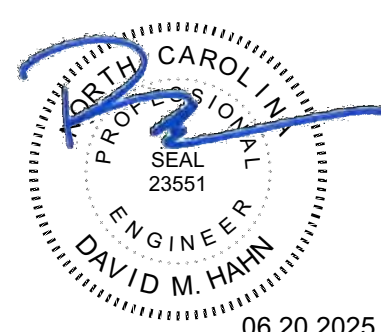
SECTION 1
SCALE: 3/4" = 1'-0"
NEW OPENING FOR COILING DOOR



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



ELEVATION 2
SCALE: 3/4" = 1'-0"
NEW OPENING FOR COILING DOOR



06.20.202

**Coastal Carolina Community College
Trades Building Renovation**

444 Western Boulevard,
Jacksonville, NC 28546

| REV. | DATE | DESCRIPTION |
|-----------------|------------|--------------------|
| Project Manager | | Drawn By MEZ |
| Date | 06.20.2025 | Reviewed By DMH |
| Project ID | | |
| Sheet Title | | |

MECHANICAL SPECIFICATIONS

Sheet No.

M-0.2

A

B

C

D

E

CBHF
Engineers, PLLC

2246 Yaupon Drive
Wilmington, NC 28401

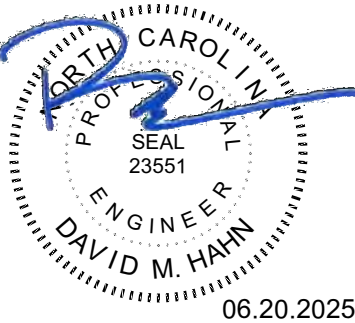
Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfenrngineers.com
NC# P-0506

© Copyright 2025CBHF Engineers, PLLC

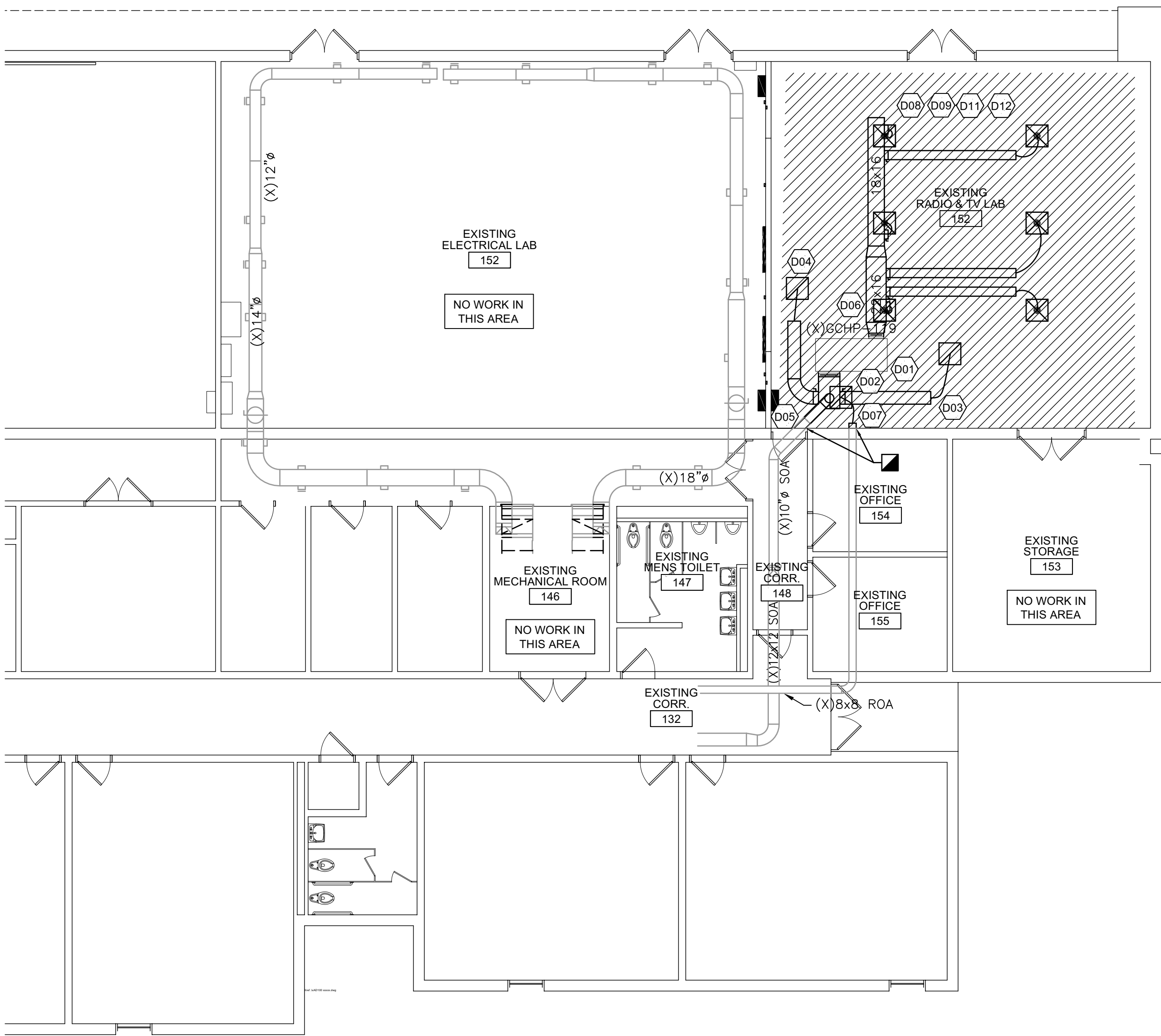


bmh
BOWMAN
MURRAY
HEMINGWAY
ARCHITECTS

514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

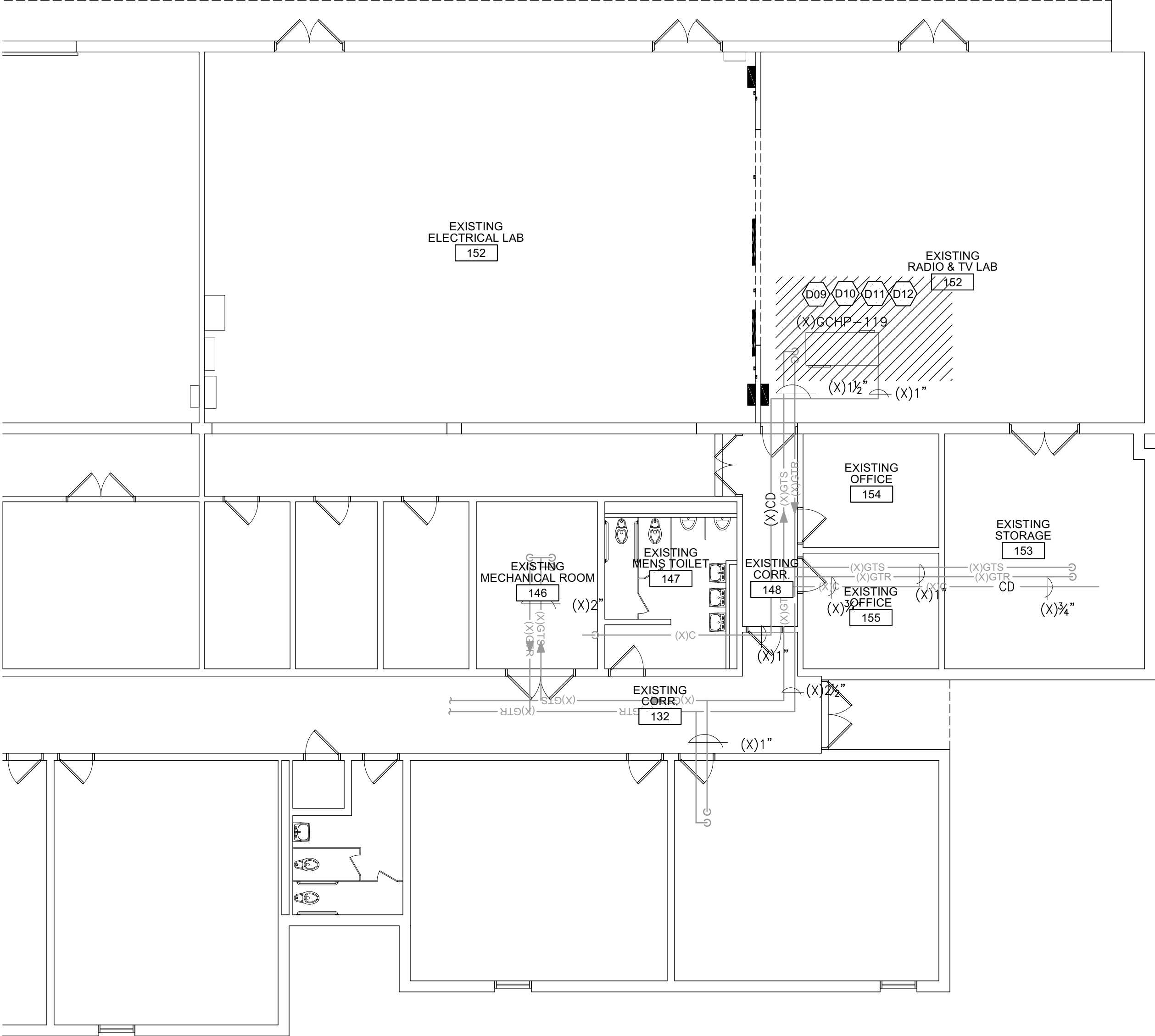


D1

MECHANICAL DEMOLITION HVAC PLAN

1/8" = 1'-0"

PLAN NORTH



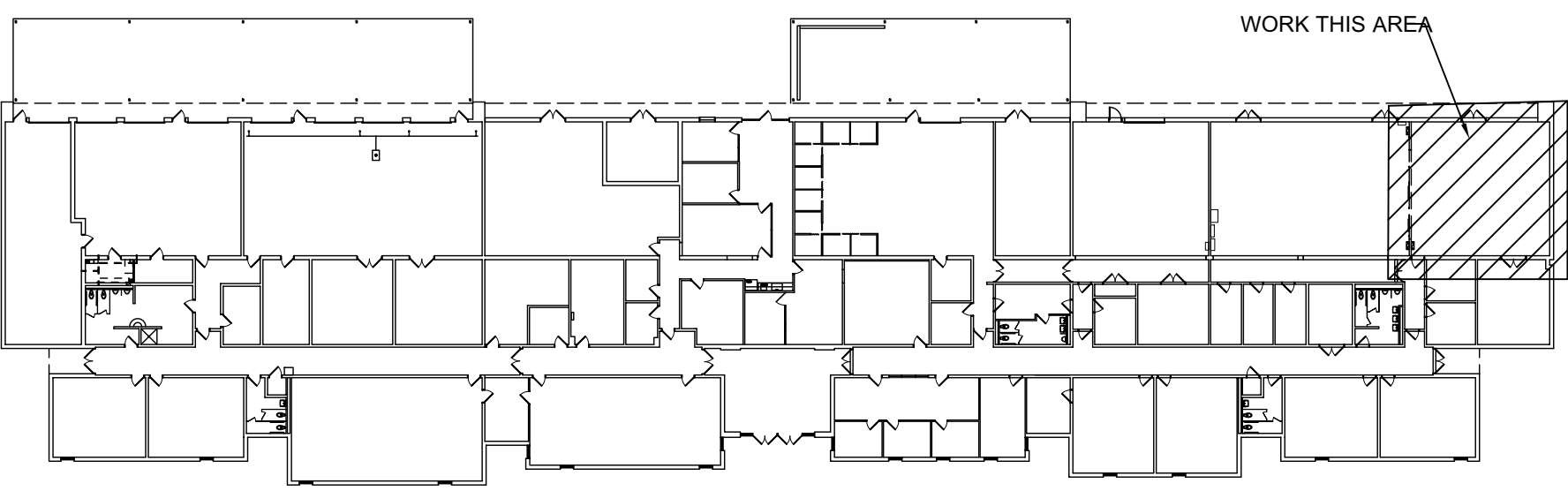
D4

MECHANICAL DEMOLITION PIPING PLAN

1/8" = 1'-0"

PLAN NORTH

| DEMOLITION KEYED NOTES | |
|--|--|
| D01 REMOVE AND DISPOSE CEILING-MOUNTED GROUND-COUPLED HEAT PUMP UNIT INCLUDING ALL ASSOCIATED UNISTRUT AND THREADED ROD SUPPORT HARDWARE. | D08 REMOVE AND DISPOSE ALL SUPPLY AIR FLEX DUCT CONNECTIONS TO DIFFUSERS; DIFFUSERS TO BE REMOVED WITH CEILING, NO SALVAGE REQUIRED. |
| D02 REMOVE AND DISPOSE RETURN AIR PLENUM FROM UNIT INCLUDING ALL CONNECTIONS TO RETURN DUCTWORK, FLEX DUCTS, AND OUTSIDE AIR DUCT. | D09 REMOVE AND DISPOSE ALL DUCT HANGERS AND SUPPORTS INCLUDING UNISTRUT AND METAL STRAPS ATTACHED TO STRUCTURE. |
| D03 REMOVE AND DISPOSE ALL RETURN AIR DUCTWORK INCLUDING HARD DUCT AND FLEX DUCT BRANCHES FROM RETURN GRILLES TO PLENUM. | D10 DISCONNECT AND CUT BACK GEOTHERMAL SUPPLY AND RETURN PIPING TO EXISTING VALVES; PROVIDE CAPPED ENDS WITHIN THE SPACE AND LABEL FOR FUTURE EXTENSION. |
| D04 REMOVE AND DISPOSE TWO (2) RETURN AIR GRILLES LOCATED IN CEILING GRID; GRILLES TO BE DEMOLISHED WITH CEILING, NO SALVAGE REQUIRED. | D11 REMOVE AND DISPOSE ALL HVAC EQUIPMENT, DUCTWORK, AND COMPONENTS FROM SITE; DISPOSE OR RECYCLE IN ACCORDANCE WITH PROJECT WASTE MANAGEMENT PLAN. |
| D05 REMOVE AND DISPOSE TWO (1) OUTSIDE RETURN AIR GRILLE LOCATED IN CEILING GRID; GRILLE TO BE DEMOLISHED WITH CEILING, NO SALVAGE REQUIRED. CUT BACK DUCT TO WALL FOR FUTURE WALL GRILLE. | D12 PROTECT AND MAINTAIN ALL ACTIVE MEP SYSTEMS TO REMAIN; VERIFY ISOLATION PRIOR TO DEMOLITION ACTIVITIES. |
| D06 DISCONNECT OUTSIDE AIR DUCT FROM RETURN AIR PLENUM AND CUT BACK WITHIN SAME SPACE, PROVIDE CLEAN SQUARE CUT AND TEMPORARY METAL CAP FOR FUTURE RECONNECTION. | |
| D07 REMOVE AND DISPOSE ALL SUPPLY AIR DUCTWORK FROM HEAT PUMP TO SIX (6) DIFFUSER TAKEOFF LOCATIONS INCLUDING MAIN TRUNK AND BRANCHES. | |



E6

KEY PLAN

NOT TO SCALE

| REV. | DATE | DESCRIPTION |
|-----------------------------|------|-----------------|
| | | |
| Project Manager | | Drawn By MEZ |
| Date 06.20.2025 | | Reviewed By DMH |
| Project ID | | |
| Sheet Title | | |
| MECHANICAL DEMOLITION PLANS | | |
| Sheet No. | | |
| MD1.1 | | |

CBHF
Engineers, PLLC

2246 Yaupon Drive
Wilmington, NC 28401

Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfindengineers.com
NC# P-0506

© Copyright 2025CBHF Engineers, PLLC



bmh
BOWMAN
MURRAY
HEMINGWAY
ARCHITECTS

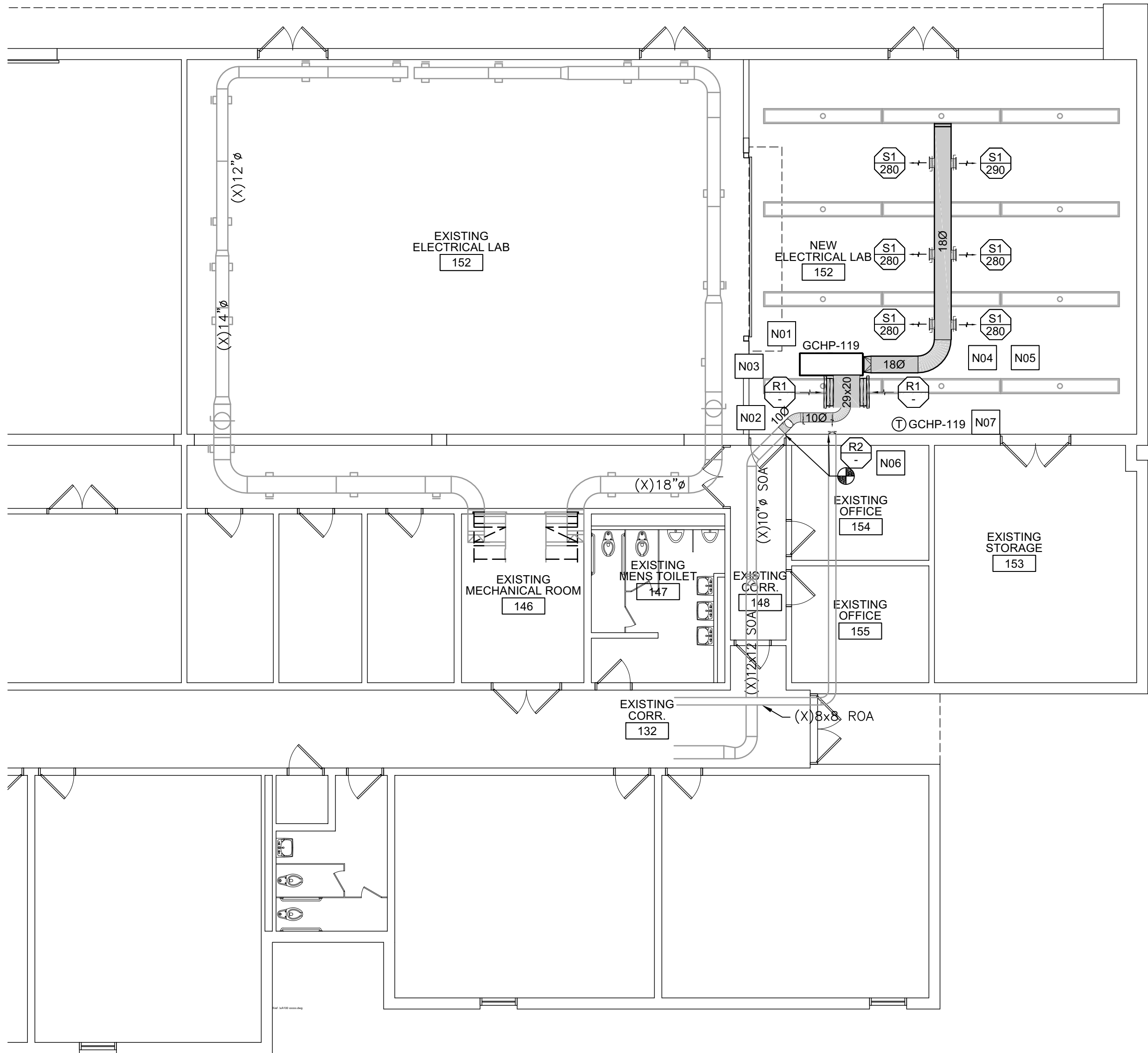
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



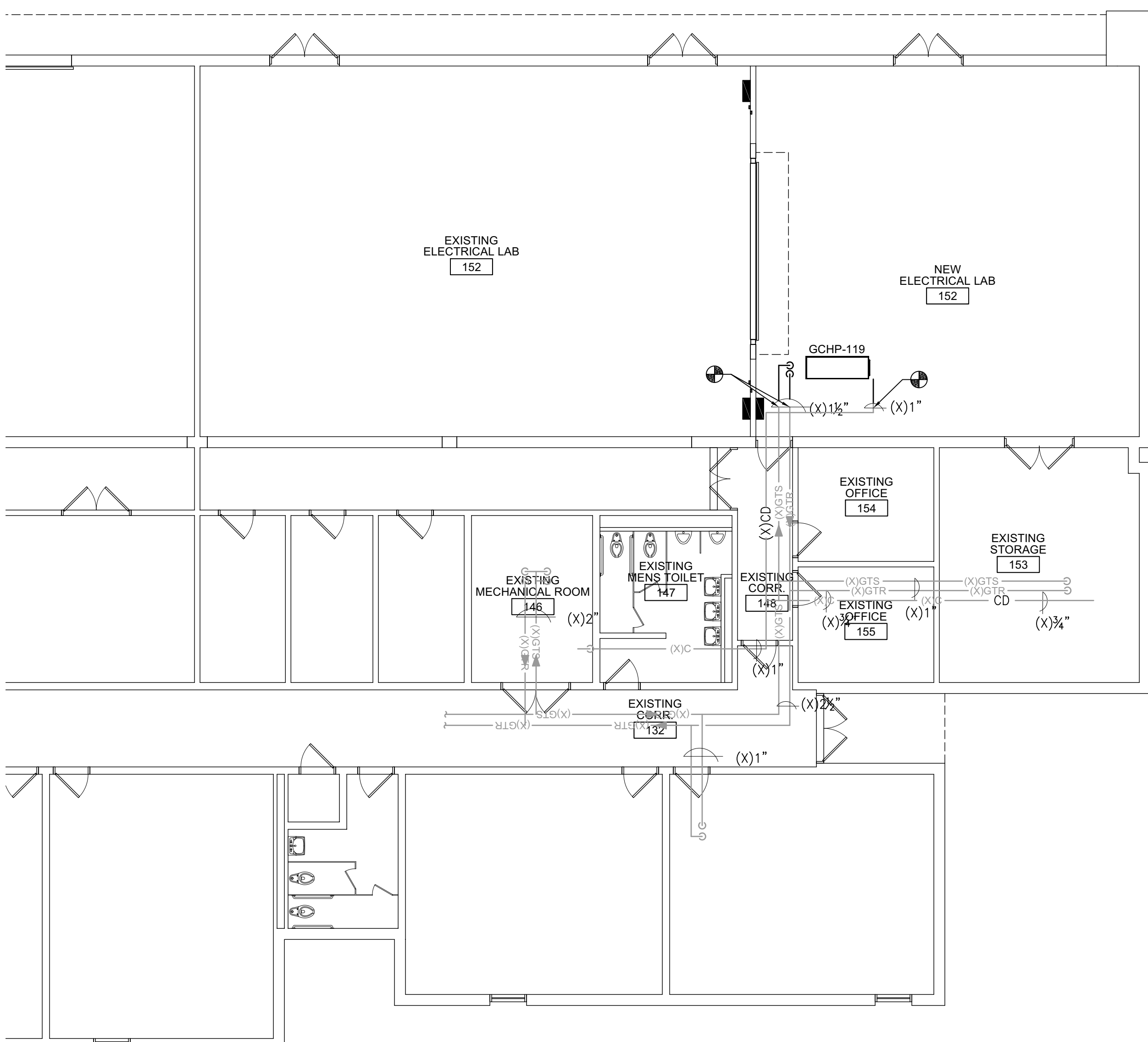
Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

| REV. | DATE | DESCRIPTION |
|--------------------|------|--------------------|
| Project Manager | | Drawn By MEZ |
| Date 06.20.2025 | | Reviewed By DMH |
| Project ID | | |
| Sheet Title | | |
| MECHANICAL PLANS | | |
| Sheet No. | | |

MH1.1

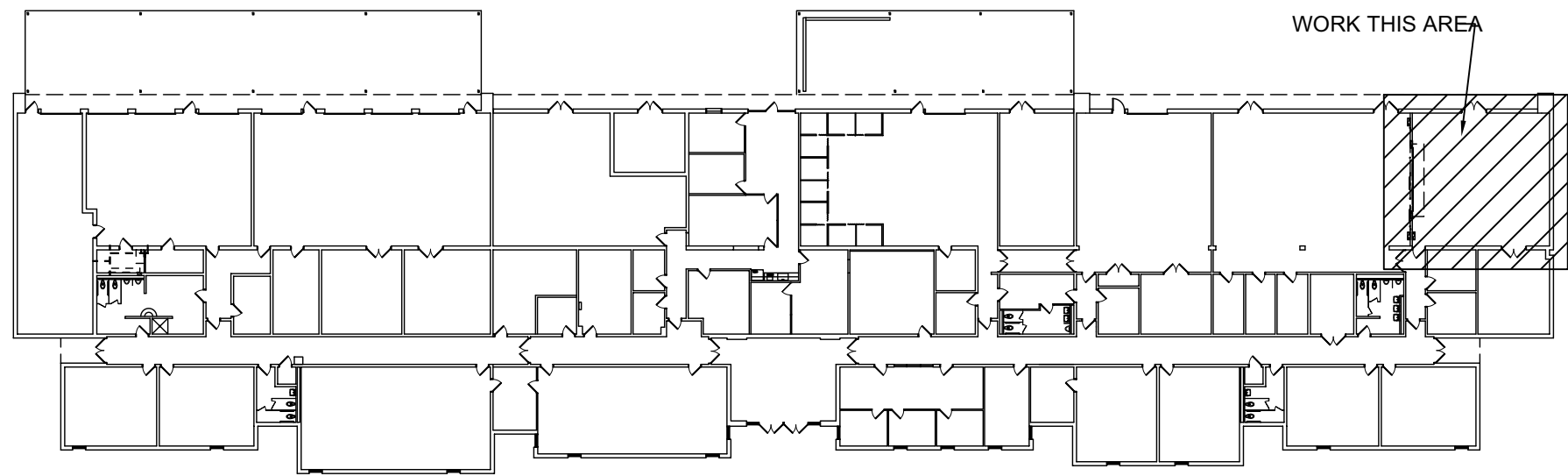


D1 MECHANICAL HVAC PLAN
1/8" = 1'-0"
PLAN NORTH

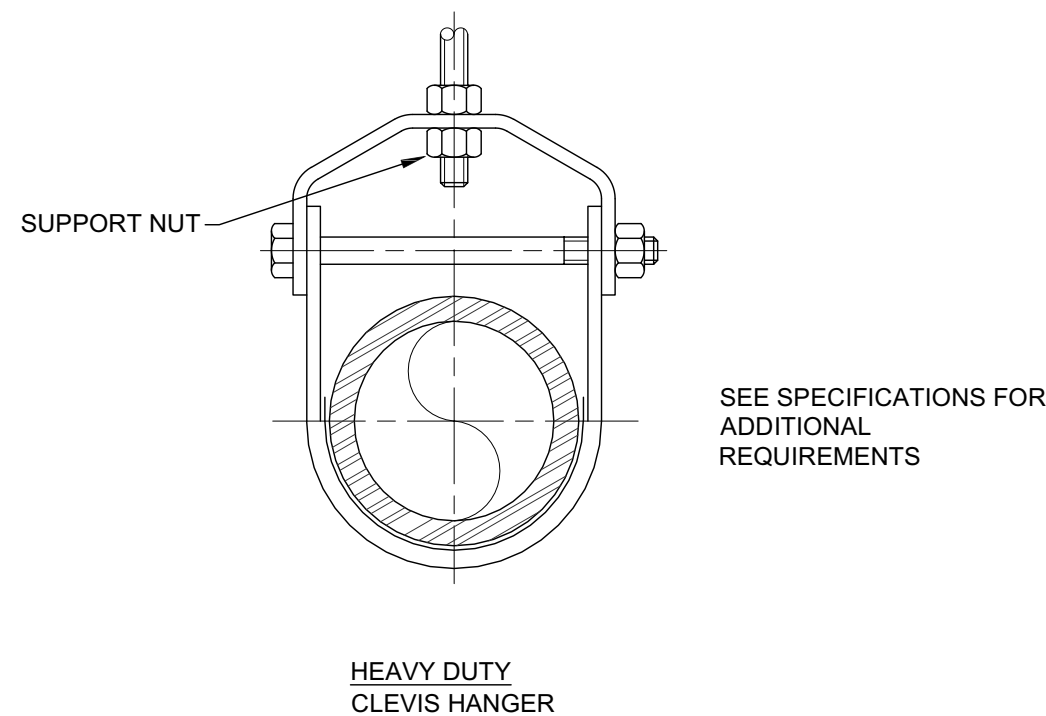


D4 MECHANICAL PIPING PLAN
1/8" = 1'-0"
PLAN NORTH

| KEYED NOTES | |
|-------------|---|
| N01 | PROVIDE AND INSTALL NEW GROUND-COUPLED HEAT PUMP UNIT AT LOCATION INDICATED ON PLANS; INSTALL PER SPECIFICATIONS INCLUDING ALL REQUIRED SUPPORTS, UNISTRUT FRAMING, THREADED RODS, AND VIBRATION ISOLATION COMPONENTS. |
| N02 | PROVIDE AND INSTALL SUPPLY OUTSIDE AIR DUCTWORK FROM POINT OF DEMOLITION TO NEW RETURN AIR PLENUM; INCLUDE BALANCING DAMPER AS INDICATED ON PLANS AND PROVIDE DUCT HANGERS PER SPECIFICATIONS. |
| N03 | PROVIDE AND INSTALL NEW RETURN AIR PLENUM WITH RETURN AIR GRILLES AS INDICATED ON PLANS; GRILLES SHALL INCLUDE OPPOSED BLADE DAMPERS PER SCHEDULE. ALL DAMPERS SHALL BE POSITIONED TO FACILITATE BALANCING DURING TEST AND BALANCE PHASE. |
| N04 | PROVIDE AND INSTALL NEW SUPPLY AIR DUCTWORK AS INDICATED ON PLANS; DUCTWORK SHALL BE DOUBLE-WALL SPIRAL WITH INTERNAL INSULATION PER SPECIFICATIONS AND SHALL BE SUSPENDED FROM STRUCTURE USING HANGERS AS SPECIFIED. CENTERLINE OF DUCT HEIGHT SHALL ALIGN WITH THAT IN ADJACENT ROOM AND MATCH THE ELEVATION OF THE GROUND-COUPLED HEAT PUMP SUPPLY CONNECTION. |
| N05 | PROVIDE AND INSTALL SUPPLY AIR REGISTERS AS INDICATED ON PLANS; COORDINATE REGISTER LOCATIONS WITH LIGHTING TO AVOID INTERFERENCES. REGISTERS SHALL BE SIDE-MOUNTED ON ROUND DUCT AT 3.00 AND 9.00 POSITIONS, AND INCLUDE OPPOSED BLADE DAMPERS AND FACTORY SUPPLIED DUCT CONNECTIONS PER SPECIFICATIONS. |
| N06 | PROVIDE AND INSTALL NEW WALL-MOUNTED GRILLE FOR RETURN OUTSIDE AIR; CONNECT TO EXISTING RETURN OUTSIDE AIR DUCTWORK PER PLANS AND SPECIFICATIONS. |
| N07 | PROVIDE AND INSTALL NEW TEMPERATURE AND HUMIDITY SENSOR PER SPECIFICATIONS; INSTALLATION BY DDC CONTRACTOR AT EXISTING LOCATION OF TEMPERATURE AND HUMIDITY SENSOR; DDC CONTRACTOR TO CONFIRM THIS LOCATION. DDC CONTRACTOR SHALL ALSO PROVIDE ALL CONTROL COMPONENTS, WIRING, AND CONDUIT REQUIRED FOR COMPLETE OPERATION OF THE GROUND-COUPLED HEAT PUMP. |



E6 KEY PLAN
NOT TO SCALE



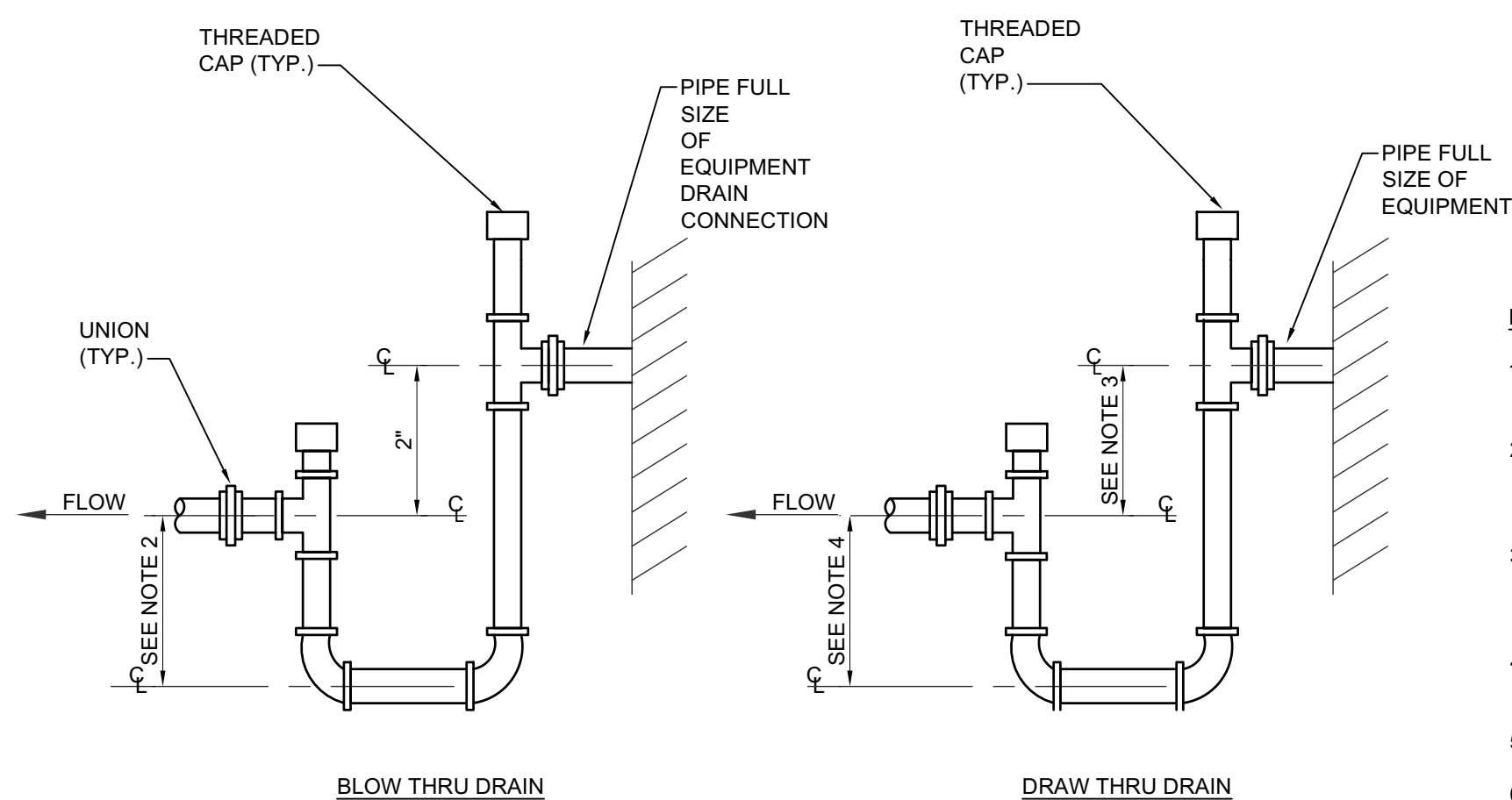
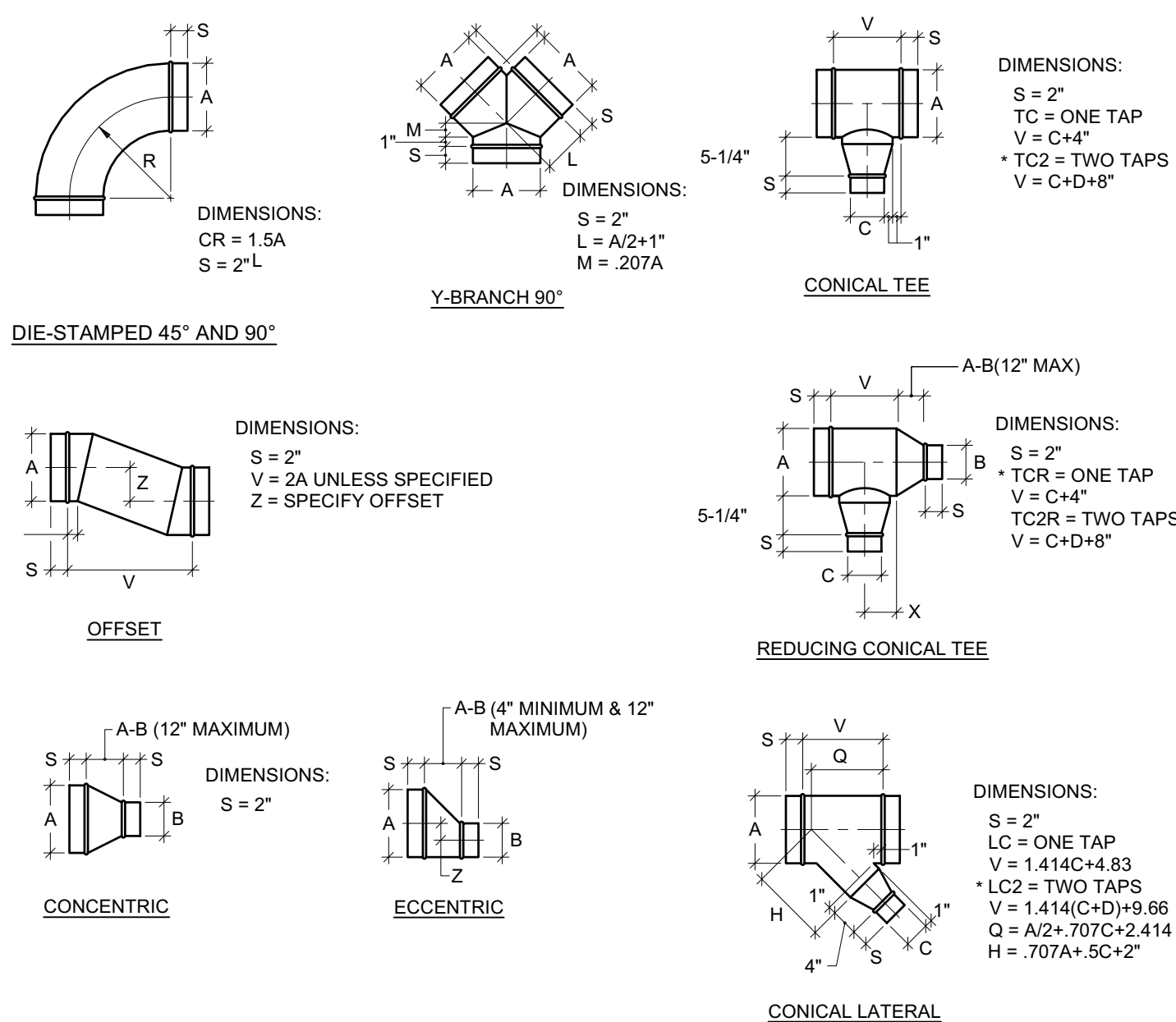
NOTES:

1. THIS DETAIL SHALL BE USED AS A GUIDE. ALL HANGERS SHALL MEET THE REQUIREMENTS OF THE SPECIFICATIONS.
2. PIPE 6" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.
3. FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.
4. WHERE TRAPEZE HANGERS ARE USED FOR HEATING HOT WATER PROVIDE ROLLERS.
5. PIPE SUBJECT TO DAMAGE MUST HAVE PADDED HANGER.

B4 PIPE HANGER SUPPORT DETAIL

NOT TO SCALE

NOT TO SCALE



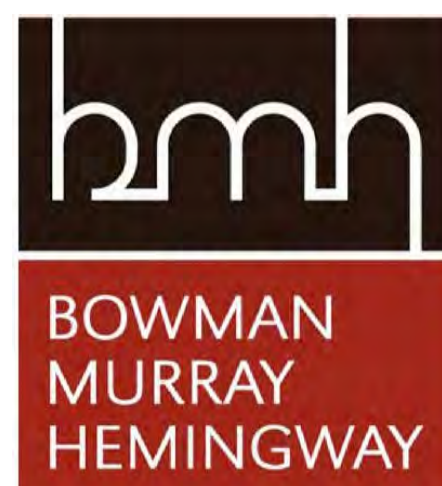
NOTES:

1. LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
2. HEIGHT MUST BE EQUAL TO INLET MAXIMUM TOTAL STATIC PRESSURE PLUS 1/2".
3. HEIGHT MUST BE EQUAL TO INLET MAXIMUM NEGATIVE STATIC PRESSURE PLUS 1".
4. HEIGHT MUST BE 1/2 OF HEIGHT INSTALLED IN NOTE 3.
5. PIPE TO NEAREST DRAIN.
6. TRAP MUST NOT BLOCK ACCESS TO EQUIPMENT
7. PROVIDE UNIONS AT INLET AND OUTLET OF TRAP.

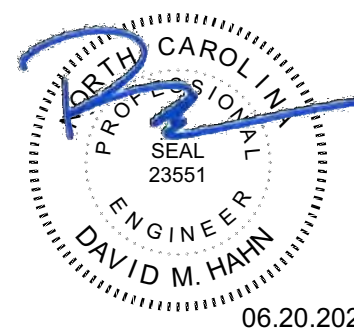
D4 CONDENSATE DRAIN DETAIL

NOT TO SCALE

NOT TO SCALE

[illegible][illegible]

ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



06.20.202

**Coastal Carolina Community College
Trades Building Renovation**

444 Western Boulevard,
Jacksonville, NC 28546

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|


| REV. | DATE | DESCRIPTION |
|--------------------|------|--------------------|
| Project Manager | | Drawn By MEZ |
| Date 06.20.2025 | | Reviewed By DMH |
| Project ID | | |

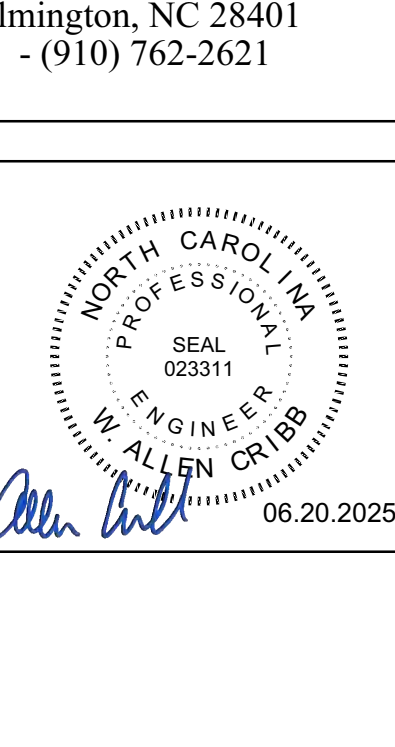
Sheet Title

MECHANICAL DETAILS

Sheet No.


M-5.1





**BOWMAN
MURRAY
HEMINGWAY**

ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



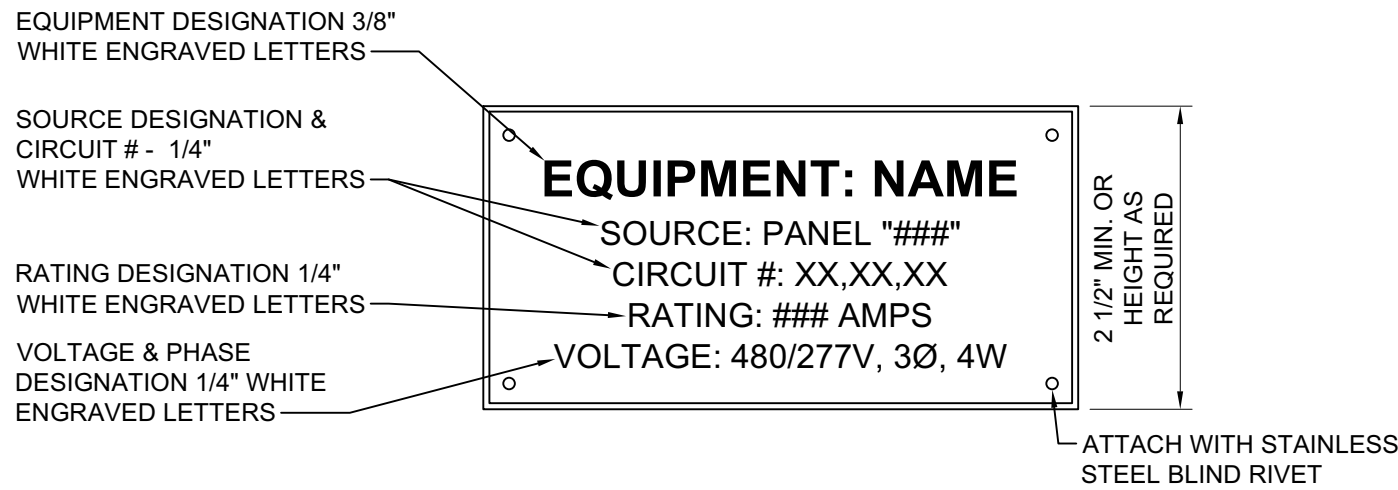
Allen Crabb
06.20.2025

**Coastal Carolina Community College
Trades Building Renovation**

444 Western Boulevard,
Jacksonville, NC 28546

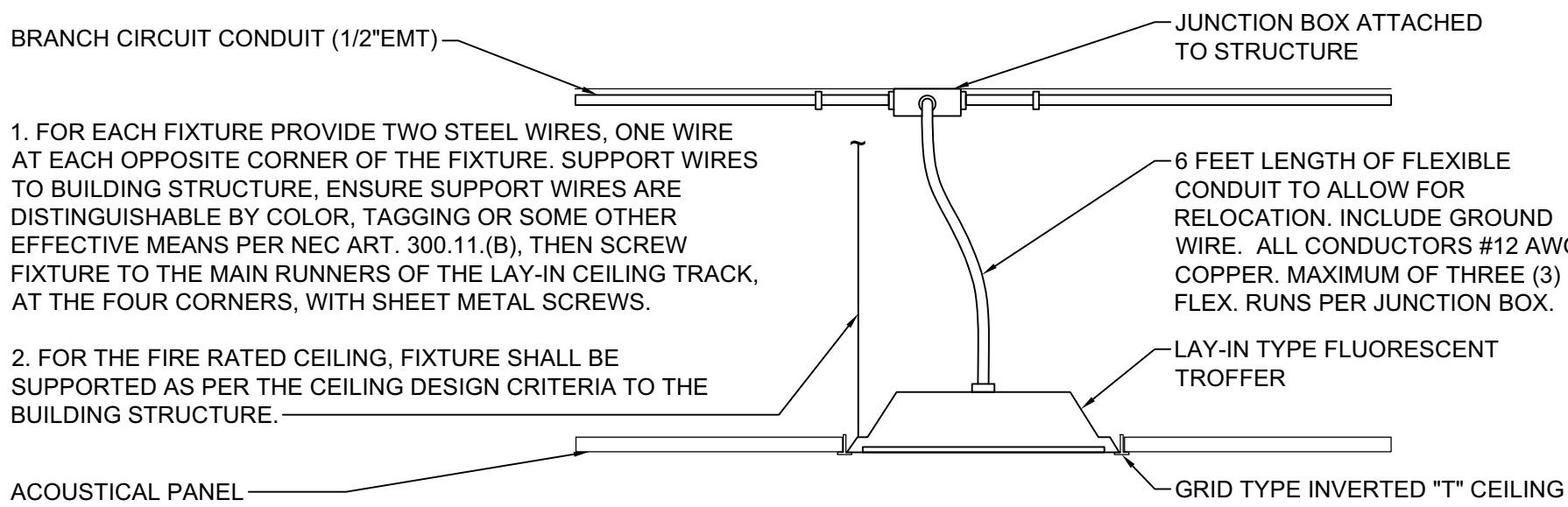
| | | |
|---|------------|-----------------|
| | | |
| REV. | DATE | DESCRIPTION |
| | | Project Manager |
| | | Drawn By JLG |
| | | Reviewed By WAC |
| | 06.20.2025 | |
| Project ID | | |
| Sheet Title | | |
| <p>ELECTRICAL GENERAL AND SELECTIVE DEMOLITION NOTES</p> | | |
| Sheet No. | | |
| <p>E-0.2</p> | | |

A



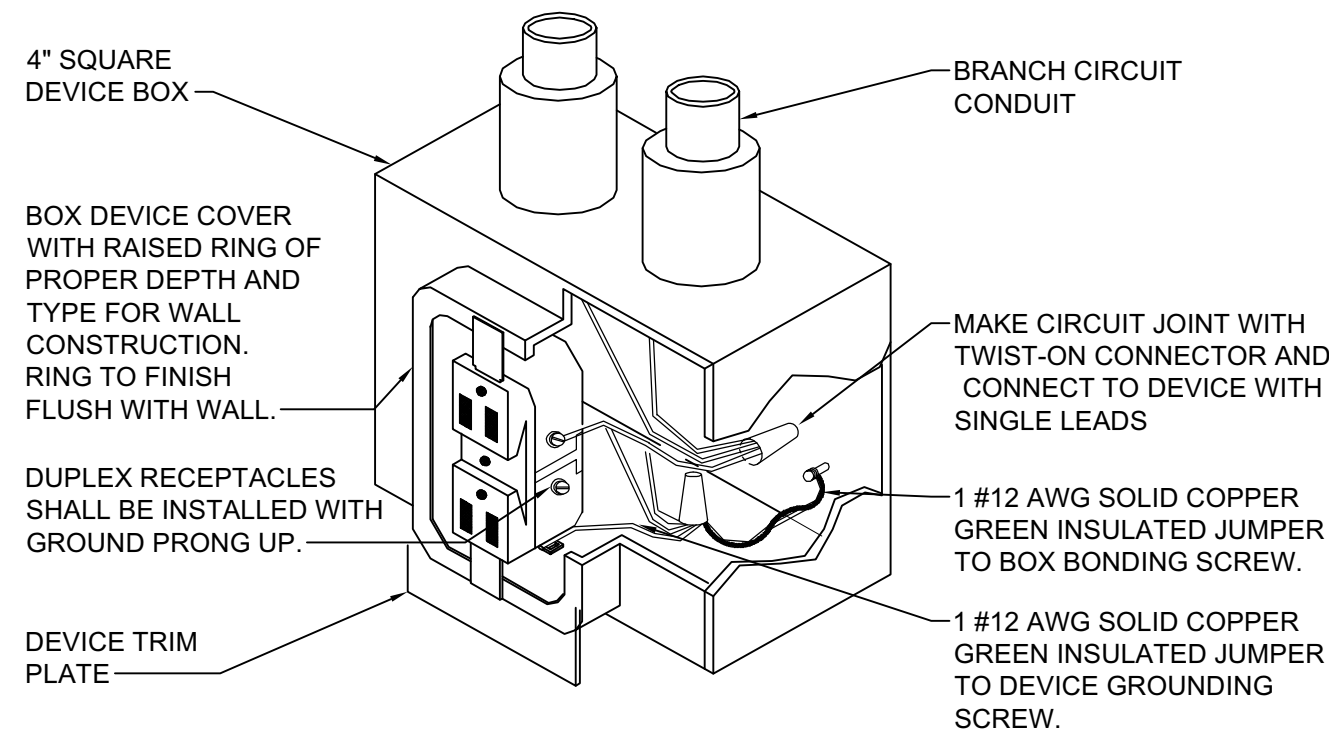
B1 TYPICAL DISCONNECT NAMEPLATE DETAIL
NOT TO SCALE

B



C1 LIGHTING FIXTURE MOUNTING DETAIL
NOT TO SCALE

C



D1 RECEPTACLE GROUNDING DETAIL
NOT TO SCALE

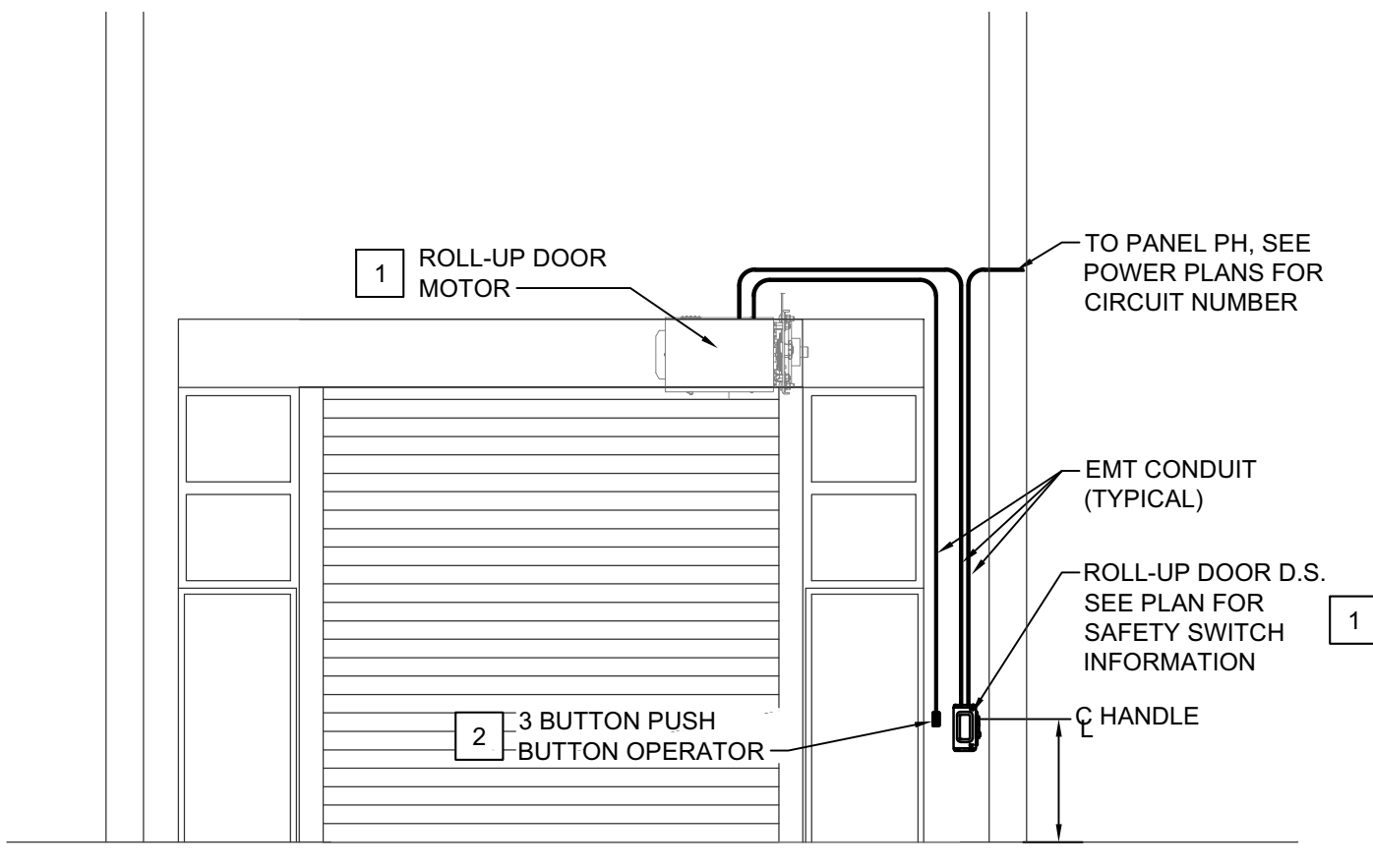
D

E

| LIGHTING FIXTURE SCHEDULE | | | | | | | | | | | |
|--|---|---|----------------|--------------------------------------|-------|-------|------------------|-------------------|----------------------|--------------------------|---------|
| MARK | DESCRIPTION | MANUFACTURER/SERIES | NOM. SIZE | SOURCE / TEMP(°K) / DELIVERED LUMENS | VOLTS | WATTS | LENS | COLOR/ MATERIAL | MOUNTING HEIGHT | DRIVER/ DIMMING | REMARKS |
| A | INDUSTRIAL LED STRIP LIGHTING | HE WILLIAMS - 82 SERIES ACUITY AF LINEAR METALUX INDUSTRIAL LED | 14"x7"x8" | LEDs / 3500K / 10,700 LUMENS | MVOLT | 68 | RIBBED REFLECTOR | WHITE/ 20/22GAUGE | SURFACE BOTTOM STEEL | LED DRIVER 0-10V DIMMING | 8 |
| X | THERMOPLASTIC LED EXIT SIGN SINGLE FACE, 6" LETTERS | BEGHELLI: PXRSA-AT EELP: XE2RW EM SD EMERGILITE: ELXN400RN-AD | 12"L 7.2"H 2"D | LEDs | MVOLT | | 6" RED | WHITE RED LETTERS | ABOVE DOOR SURFACE | N/A | 9 |
| <div>REMARKS: 1. BI-LEVEL SWITCHING 2. DAMP LOCATION 3. WET LOCATION 4. WIREGUARD 5. LED REQUIRED SURGE PROTECTION 6. VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECT 7. FINAL COLOR SELECTION BY ARCHITECT 8. MOUNT TO THE BOTTOM OF EXISTING STEEL 9. INTEGRAL BATTERY BACKUP-90 MINUTES</div> <div>GENERAL NOTES: A. THE CONTRACTOR MUST VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE. B. DURING THE BID PROCESS, THE CONTRACTOR MUST NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES. C. NO SUBSTITUTIONS WILL BE ALLOWED DUE TO THE LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID. D. ALL EXPEDITED EXPENSES MUST BE THE RESPONSIBILITY OF THE CONTRACTORS. E. THE ELECTRICAL CONTRACTOR MUST RECEIVE APPROVAL FOR ALL LIGHTING FIXTURES FROM THE ARCHITECT/OWNER PRIOR TO PURCHASE AND ROUGH-IN. F. LED MODULES MUST BE REPLACEABLE. G. ALL EXIT AND EMERGENCY FIXTURES MUST COMPLY WITH NCSBC [APPLICABLE STATE BUILDING CODE] STANDARDS AND HAVE AUTOMATIC TESTING DEVICES. H. LED EMERGENCY BATTERY MUST PROVIDE FULL RATED FIXTURE [A MINIMUM OF 50% OF RATED FIXTURE] [1400 MINIMUM LUMENS] OUTPUT FOR 90 MINUTES MINIMUM. I. SEE SPECIFICATIONS SECTIONS FOR ADDITIONAL REQUIREMENTS. J. THE FIRST FIXTURE NAMED IN THE MANUFACTURER COLUMN IS THE BASIS OF DESIGN. OTHER FIXTURES ARE SIMILAR IN THE OPINION OF THE ARCHITECT AND ENGINEER. IF THE CONTRACTOR ELECTS TO SUBMIT A FIXTURE OTHER THAN THE BASIS OF DESIGN FIXTURE, INCLUDING ONE OF THE TWO SIMILAR FIXTURES, REQUIREMENTS OF NOTES O. AND P. APPLY. [THE ABOVE FIXTURE TYPES ARE LISTED AS THE DESIGN BASIS. THE ACTUAL FIXTURES SUBMITTED MUST BE MANUFACTURED IN THE UNITED STATES.] K. LIGHTING FIXTURES HAVE BEEN SELECTED AND SPECIFIED TO ACHIEVE REQUIRED/DESIRED ILLUMINATION LEVELS AND OTHER CHARACTERISTICS IN THEIR RESPECTIVE AREAS. SPECIFIED FIXTURES HAVE SPECIFIC CHARACTERISTICS WHICH MAY CREATE UNIQUE ILLUMINATION RESULTS ESSENTIAL TO THE PROJECT. LIGHTING FIXTURES PROVIDED MUST MEET THE AESTHETICS, DETAILS, AND SPECIFICATIONS STATED ABOVE AND IN THE DIVISION 26 SPECIFICATIONS, AND MOUNTING HEIGHTS AND SPACINGS SHOWN ON THE DRAWINGS. ANY DEVIATIONS FROM THE SPECIFIED FIXTURES MUST DEEM ALL PARTIES IN THE SUPPLY CHAIN AND CONTRACTOR RESPONSIBLE FOR PROVIDING DETAILED COMPARISONS OF THE SPECIFIED FIXTURE AND THE PROPOSED FIXTURE FOR ARCHITECT AND ENGINEER REVIEW IN DETERMINING EQUALITY. PROVIDE COMPLETE POINT BY POINT ILLUMINATION STUDIES FOR ALL SUBSTITUTIONS. L. SUBSTITUTIONS MAY BE APPROVED BY THE ARCHITECT AND ENGINEER IF THEY ARE JUDGED TO BE EQUAL TO THE SPECIFIED FIXTURES. "EQUAL" MAY INCLUDE, AT THE SOLE DISCRETION OF THE ARCHITECT AND ENGINEER, LENS MATERIAL AND CHARACTERISTICS, COLORS, REFLECTORS, HOUSING MATERIAL AND CONFIGURATION, FINISHES, PHOTOMETRICS, EFFICIENCY, OPTIONS, FUNCTIONALITY, ETC.</div> | | | | | | | | | | | |

ROLL-UP DOOR KEYED NOTES

- 1 ROLL-UP DOOR'S: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE LATEST DRAWINGS FOR PURCHASED EQUIPMENT FROM THE ROLL UP DOOR PROVIDER. THE ELECTRICAL CONTRACTOR MUST COORDINATE ALL EQUIPMENT VOLTAGES, RECOMMENDED BREAKER RATINGS, CONDUIT, CABLE AND CONDUCTOR INSTALLATION REQUIREMENTS FOR THIS PROJECT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL EQUIPMENT REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. NOTIFY THE ARCHITECT / ENGINEER IF PURCHASED EQUIPMENT DIFFERS FROM THE INFORMATION PROVIDED IN THIS DESIGN.
- 2 3 BUTTON PUSH BUTTON STATION PROVIDED BY ROLL UP DOOR VENDOR INSTALLED BY E.C.



NOTE:
1. ELECTRICAL CONTRACTOR MUST COORDINATE FINAL MOUNTING HEIGHTS OF OPERATORS AND SAFETY SW'S WITH OWNER PRIOR TO ROUGH-IN AND INSTALLATION.

E5 ROLL-UP DOOR DETAIL
NOT TO SCALE

CBHF
Engineers, PLLC

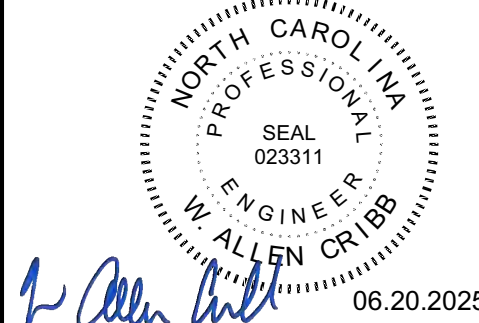
2246 Yaupon Drive
Wilmington, NC 28401

Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfenigneers.com
NC# P-0506



BOWMAN
MURRAY
HEMINGWAY

ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

REV. DATE DESCRIPTION

Project Manager Drawn By JLG

Date 06.20.2025 Reviewed By WAC

Project ID

Sheet Title
ELECTRICAL DETAILS
AND LIGHTING
FIXTURE SCHEDULE

Sheet No.

E-0.3

DEMOLITION KEYED NOTES

- 1 20AMP, 4WIRE TWIST LOCK RECEPTACLE: THE CONTRACTOR MUST REMOVE THE RECEPTACLE, BOX, CONDUIT AND CONDUCTORS IN ENTIRETY BACK TO PANEL PH. LABEL BREAKERS AS SPARE IN PANEL PH. TRANSMIT ALL REMOVED MATERIALS TO THE COLLEGE UPON COMPLETION.
- 2 PANEL BACKBOX: THE CONTRACTOR MUST REMOVE THE PANEL BACKBOX, 3" CONDUIT, SUPPORTS, ETC. IN ENTIRETY. TRANSMIT ALL REMOVED MATERIAL TO THE COLLEGE UPON COMPLETION.
- 3 RECEPTACLE: THE CONTRACTOR MUST REMOVE RECEPTACLE, BOX, CONDUIT AND CONDUCTORS IN ENTIRETY BACK TO SOURCE. MAINTAIN THE CONTINUITY OF ALL DEVICES UPSTREAM AND DOWNSTREAM FROM THE DEVICE BEING REMOVED AS REQUIRED.

- 4 RECEPTACLE: THE CONTRACTOR MUST REMOVE RECEPTACLE, EXPOSED CONDUIT AND CONDUCTORS IN ENTIRETY BACK TO SOURCE. MAINTAIN THE CONTINUITY OF ALL DEVICES UPSTREAM AND DOWNSTREAM FROM THE DEVICE BEING REMOVED AS REQUIRED. PROVIDE A BLANK PLATE COVER ON THE EXISTING BOX THAT CANNOT BE REMOVED.
- 5 EXISTING RECEPTACLE TO REMAIN: THE CONTRACTOR MUST PROTECT THE EXISTING RECEPTACLE DURING DEMOLITION AND CONSTRUCTION. THE RECEPTACLE MUST REMAIN OPERATIONAL AT THE END OF CONSTRUCTION.
- 6 WSH-119 DISCONNECT: THE CONTRACTOR MUST REMOVE THE DISCONNECT, CONDUIT, CONDUCTORS, SUPPORTS, ETC. IN ENTIRETY TO SOURCE. LABEL CIRCUIT BREAKER IN SOURCE PANEL AS SPARE.

CBHF
Engineers, PLLC

2246 Yaupon Drive Phone: 910.791.4000
Wilmington, NC 28401 Fax: 910.791.5266
www.cbhfengineers.com NC# P-0506

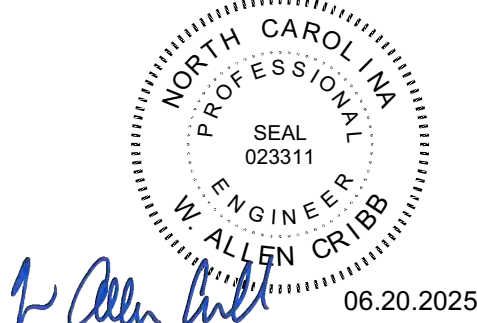
© Copyright 2025CBHF Engineers, PLLC



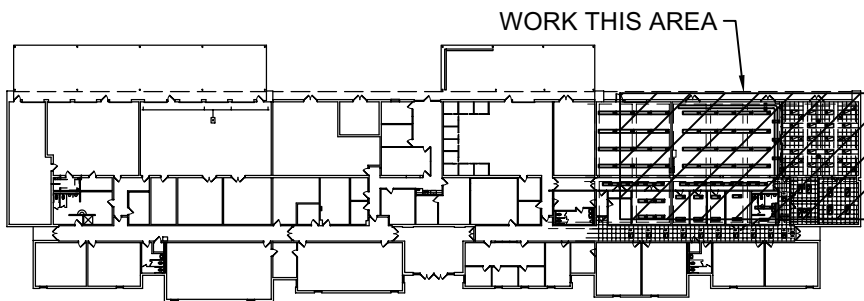
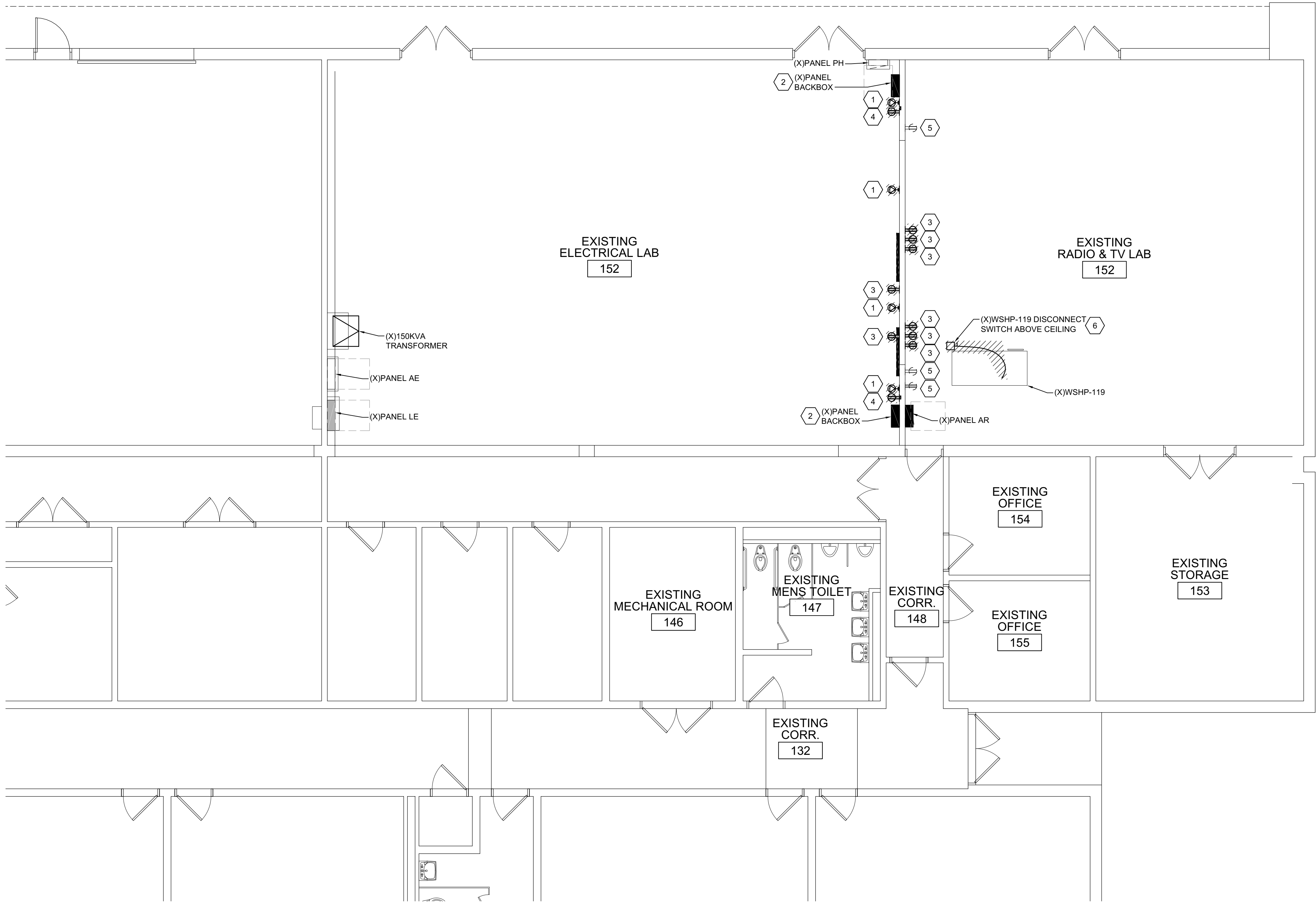
**BOWMAN
MURRAY
HEMINGWAY**

ARCHITECTS

514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546



1 PARTIAL DEMOLITION FLOOR PLAN POWER
3/16" = 1'-0"



2 KEY PLAN
NOT TO SCALE

| REV. | DATE | DESCRIPTION |
|---|------------|-----------------|
| Project Manager | | Drawn By JLG |
| Date | 06.20.2025 | Reviewed By WAC |
| Project ID | | |
| Sheet Title | | |
| ELECTRICAL DEMOLITION PARTIAL FIRST FLOOR POWER PLAN | | |
| Sheet No. | | |

ED1.1

- 1 LIGHT FIXTURES: THE CONTRACTOR MUST DISCONNECT AND REMOVE THE LIGHT FIXTURE, BRANCH CIRCUIT CONDUIT AND CONDUCTORS IN ENTIRETY. LOCATE AND PROTECT THE EXISTING LIGHTING FEED DURING DEMOLITION AND CONSTRUCTION FOR RE-USE AND EXTENSION.
- 2 WALL SWITCHES: THE CONTRACTOR MUST REMOVE THE SWITCH AND CONDUCTORS TO ALL LIGHT FIXTURES IN ENTIRETY. PROTECT THE EXISTING IN-WALL CONDUIT AND BOX DURING DEMOLITION AND CONSTRUCTION FOR RE-USE.
- 3 CEILING SPEAKER: THE CONTRACTOR MUST COORDINATE WITH THE OWNERS IF DEPT TO HAVE THE PA SPEAKER DEVICE REMOVED DURING DEMOLITION AND CONSTRUCTION. PROTECT THE EXISTING CABLING FEEDING THE PA SPEAKER DURING DEMOLITION AND CONSTRUCTION FOR RE-USE/RE-CONNECTION TO THE SPEAKER.

- | | |
|---|---|
| 4 | FIRE SMOKE DETECTOR: THE CONTRACTOR MUST PROTECT AND RELOCATE THE EXISTING FIRE ALARM SMOKE DETECTORS TO THE BOTTOM OF THE ROOF DECK. THE CONTRACTOR MUST RE-USE THE EXISTING CABLING AND KEEP THE FIRE ALARM SYSTEM ACTIVE DURING DEMOLITION AND CONSTRUCTION. RE-SUPPORT FIRE ALARM CABLING IN THE SPACE AS REQUIRED. |
| 5 | CEILING MOUNTED WIRELESS ACCESS POINT(WAP): THE CONTRACTOR MUST COORDINATE WITH THE OWNERS IT DEPT TO HAVE THE WAP DEVICE REMOVED DURING DEMOLITION AND CONSTRUCTION. PROTECT THE EXISTING CABLING DURING DEMOLITION AND CONSTRUCTION FOR RE-USE/RE-CONNECTION TO WAP. |

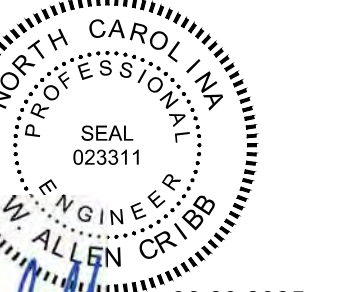
2246 Yaupon Drive
Wilmington, NC 28401

Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com
NC# P-0506

© Copyright 2025CBHF Engineers, PLLC



4 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621

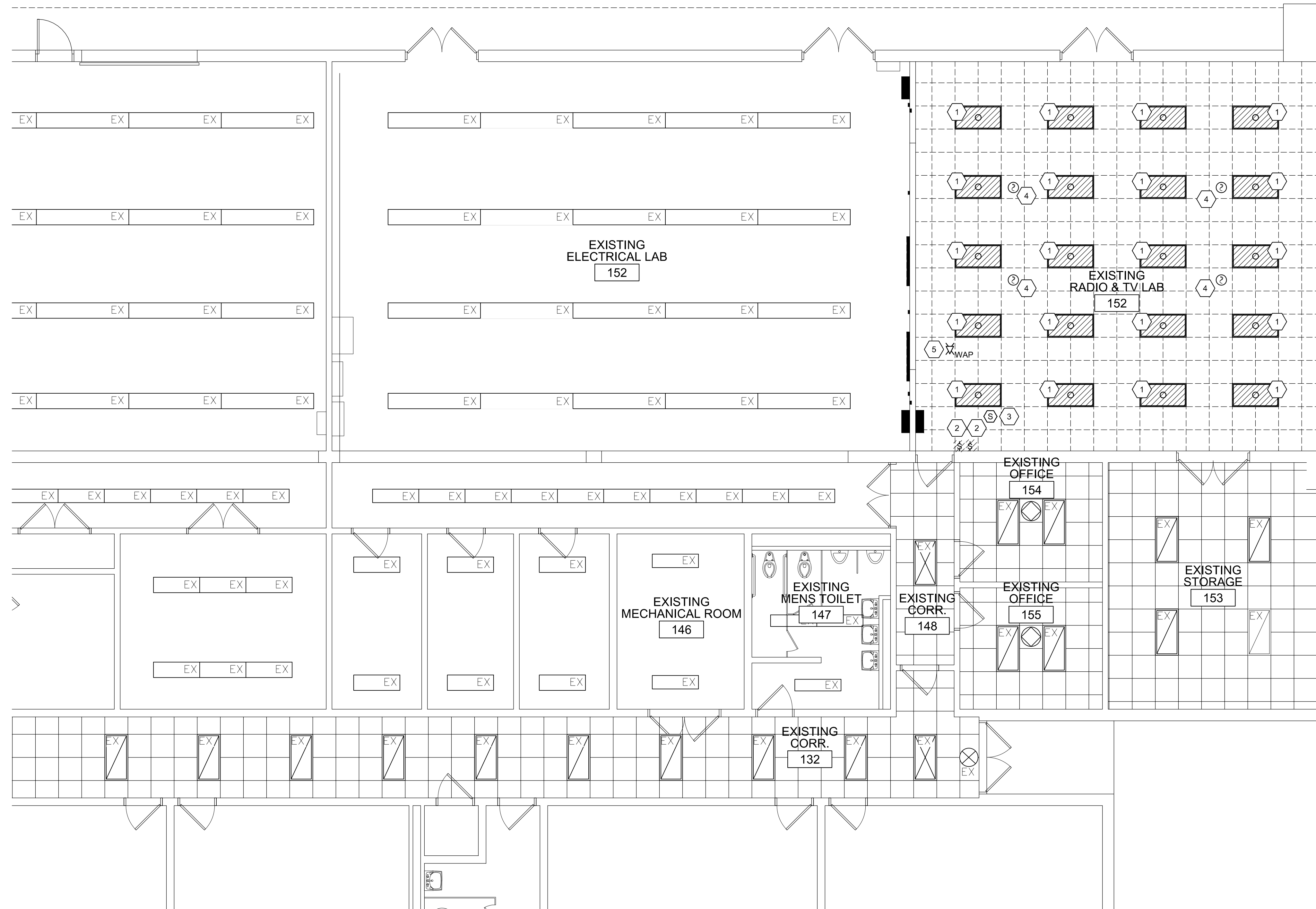


Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

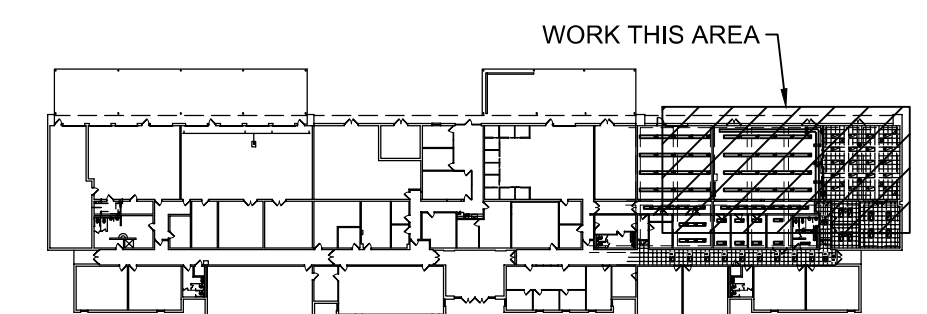
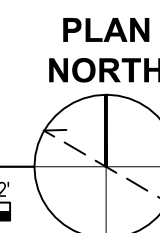
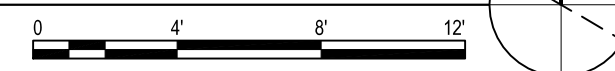
| REV. | DATE | DESCRIPTION |
|--------------------|------|--------------------|
| Project Manager | | Drawn By JLG |
| Date 06.20.2025 | | Reviewed By WAC |
| Project ID | | |

Sheet Title **ELECTRICAL
DEMOLITION PARTIAL
FIRST FLOOR
LIGHTING & SYSTEMS
PLAN**

ED1.2



1 PARTIAL DEMOLITION FLOOR PLAN LIGHTING & SYSTEMS PLAN



2 **KEY PLAN**
NOT TO SCALE

1

2

3

4

5

6

A

B

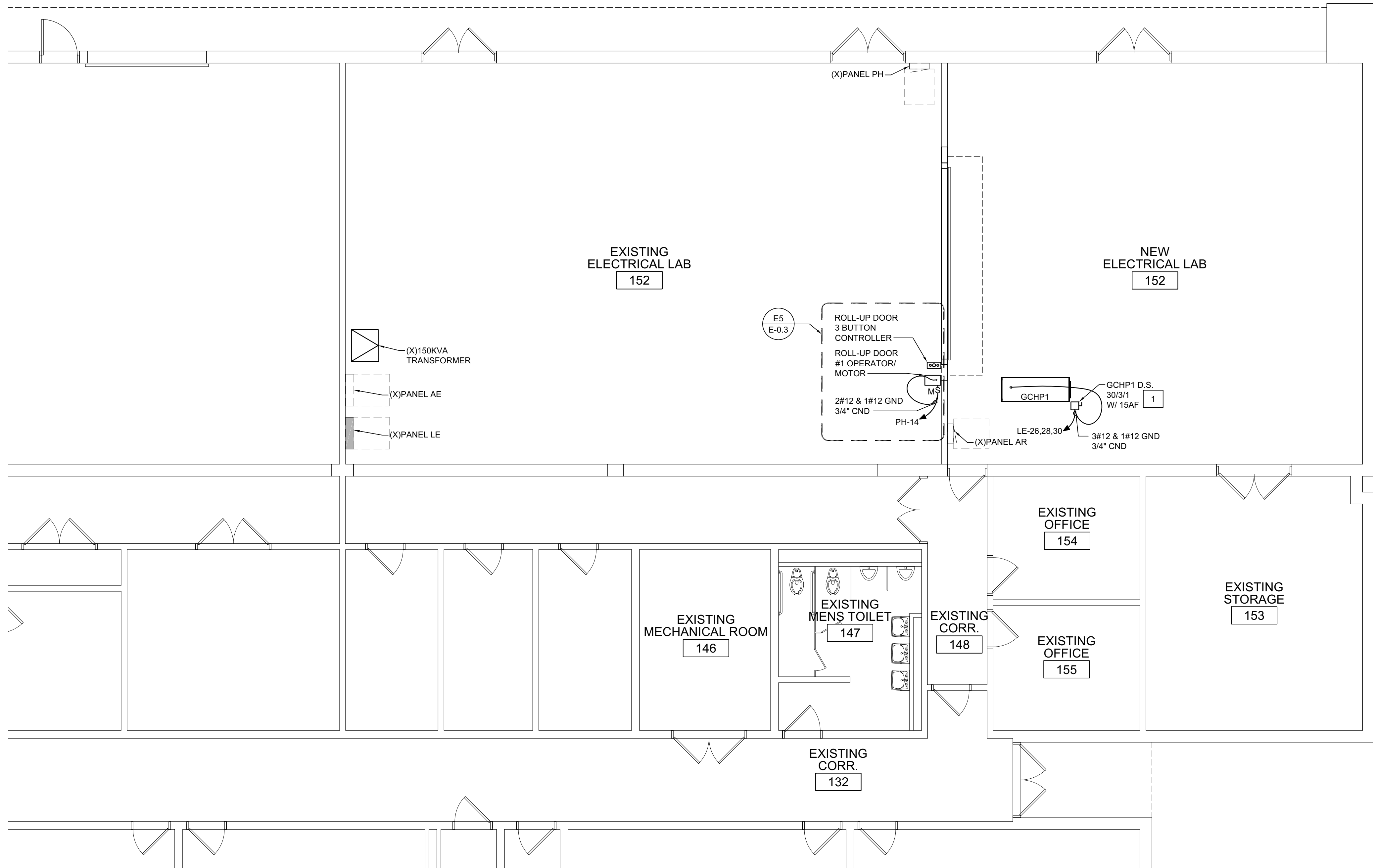
C

D

E

KEYED NOTES

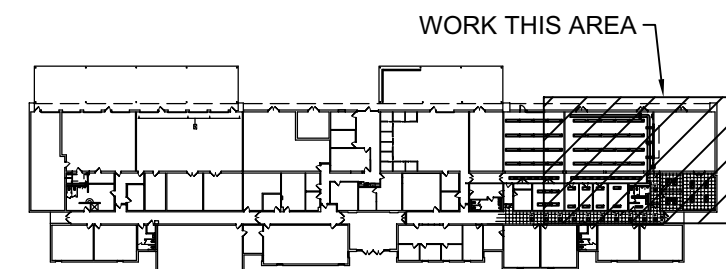
1 GCHP1 DISCONNECT SWITCH: THE CONTRACTOR MUST PROVIDE ALL REQUIRED HARDWARE/SUPPORTS TO MOUNT AND INSTALL THE DISCONNECT ADJACENT TO THE HVAC EQUIPMENT.



PARTIAL FIRST FLOOR POWER PLAN

3/16" = 1'-0"

PLAN NORTH



KEY PLAN

NOT TO SCALE

CBHF
Engineers, PLLC

2246 Yaupon Drive
Wilmington, NC 28401

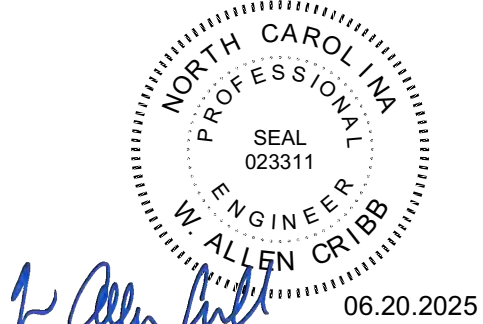
Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com
NC# P-0506

© Copyright 2025 CBHF Engineers, PLLC



bmh
BOWMAN
MURRAY
HEMINGWAY
ARCHITECTS

514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621



Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

| REV. | DATE | DESCRIPTION |
|-----------------|---|-------------|
| Project Manager | Drawn By | JLG |
| Date | Reviewed By | WAC |
| Project ID | | |
| Sheet Title | ELECTRICAL PARTIAL FIRST FLOOR POWER PLAN | |
| Sheet No. | EP1.1 | |

KEYED NOTES

1

LIGHT FIXTURE FEED: THE CONTRACTOR MUST FEED THE LIGHT FIXTURES WITH THE CIRCUIT IDENTIFIED AND PROTECTED DURING DEMOLITION. INSTALL A CEILING MOUNTED JUNCTION BOX AT THE LOCATION OF THE EXISTING FEED.

2

SWITCH BOX AND IN-WALL CONDUIT: THE CONTRACTOR MUST RE-USE THE EXISTING IN-WALL BOX AND CONDUIT TO ROUTE THE SWITCH LEG CONDUCTORS FROM THE DIMMER SWITCH TO THE FIXTURES. THE EXISTING BOX IS A 2 GANG AND WILL REQUIRE A BLANK PLATE INSERT FOR THE SECOND GANG SPACE NO LONGER BEING UTILIZED.

CBHF

Engineers, PLLC

2246 Yaupon Drive
Wilmington, NC 28401

Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com
NC# P-0506

bmh

BOWMAN
MURRAY
HEMINGWAY

ARCHITECTS

514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621

NORTH CAROLINA
PROFESSIONAL
SEAL
023311
ENGINEER
W. ALLEN CREEB

06.20.2025

Coastal Carolina Community College
Trades Building Renovation
444 Western Boulevard,
Jacksonville, NC 28546

| REV. | DATE | DESCRIPTION |
|--|------|--------------------|
| Project Manager | | Drawn By JLG |
| Date 06.20.2025 | | Reviewed By WAC |
| Project ID | | |
| Sheet Title ELECTRICAL PARTIAL FIRST FLOOR LIGHTING & SYSTEMS PLAN | | |
| Sheet No. | | |

EL1.1

The diagram is a detailed electrical plan for the partial first floor of the Trades Building. It shows the layout of various rooms and corridors, including the Existing Electrical Lab 152, New Electrical Lab 152, Existing Mechanical Room 146, Existing Mens Toilet 147, Existing Corridor 132, Existing Corridor 148, Existing Office 154, Existing Office 155, and Existing Storage 153. The plan includes numerous light fixture symbols, some marked 'EX' for existing and others with a circle 'X' for new. It also shows electrical panels (PH, AE, LE, AR), a 150KVA transformer, and various conduits and switches. Notes specify that light fixtures should be fed with the circuit identified and protected during demolition, and that switch boxes and in-wall conduit should be re-used. A key plan shows the location of the work area within the building's footprint.

1

PARTIAL FIRST FLOOR LIGHTING & SYSTEMS PLAN

3/16" = 1'-0"

0 4 8 12

PLAN
NORTH

The key plan is a small-scale site map showing the building's footprint and its location relative to the surrounding area. A shaded region indicates the specific area covered by this electrical plan, with a note 'WORK THIS AREA' pointing to it.

2

KEY PLAN

NOT TO SCALE