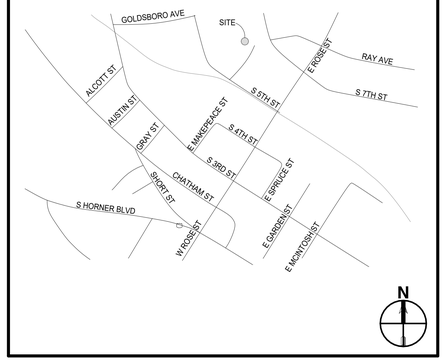
CONSTRUCTION DOCUMENTS

# LEE COUNTY GENERAL SERVICES BUILDING EXPANSION

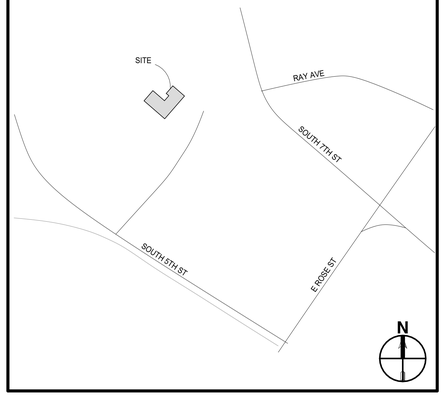
**VICINITY MAP**




## LEE COUNTY
## SANFORD, NC

### 805 SOUTH 5TH STREET, SANFORD, NC 27330

**LOCATION MAP**

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

LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
4851-01-26
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

COVER

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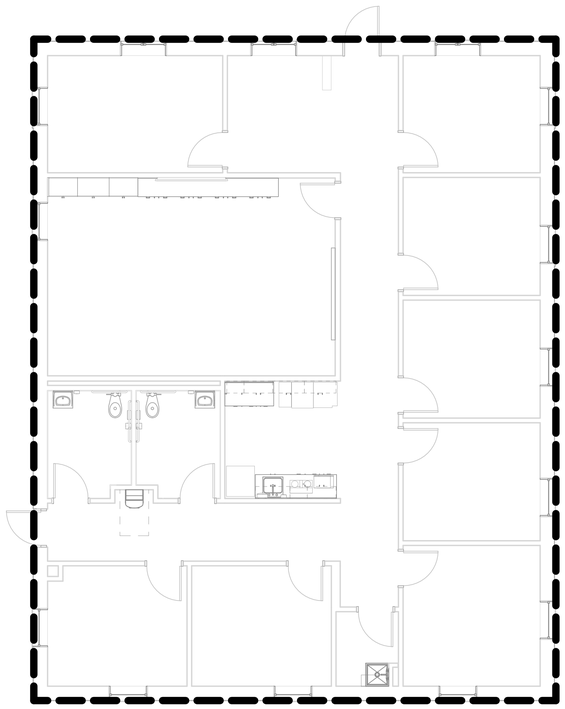
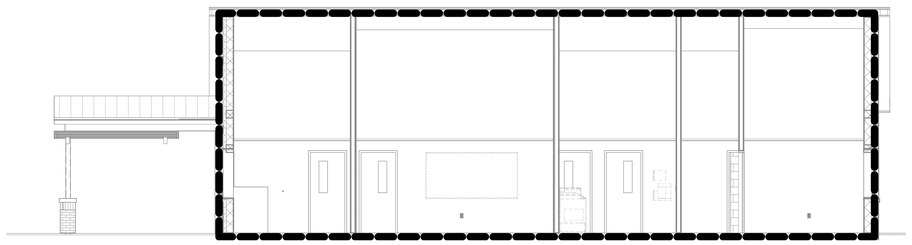
## FLOOR PLAN/BUILDING SECTION LEGEND

| | |
|---|---|
| - - - - - - - | EXTENT OF AIR BARRIER MEMBRANE / MATERIAL / SYSTEM AND EXTERIOR BUILDING ENVELOPE ENCLOSURE |



AIR BARRIER PLAN

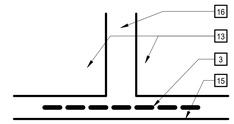


AIR BARRIER SECTION

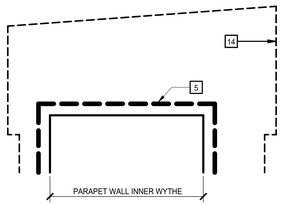
THIS DRAWING DEPICTS THE EXTENT OF THE AIR BARRIER MEMBRANE / MATERIAL / SYSTEM AND EXTERIOR BUILDING ENVELOPE ENCLOSURE. THE DRAWING IS CONCEPTUAL IN NATURE AND IS COMPLEMENTARY TO OTHER AIR BARRIER AND BUILDING ENVELOPE ENCLOSURE DETAILS, SECTIONS, ASSEMBLIES, AND SPECIFICATIONS.

THE UNDERSLAB VAPOR / AIR BARRIER MATERIAL IN ASSOCIATION WITH THE AIR BARRIER MEMBRANE / MATERIAL ON THE WALLS AND ROOF COMPOSE THE EXTERIOR BUILDING ENVELOPE ENCLOSURE TO PREVENT AIR INFILTRATION AND EXFILTRATION.

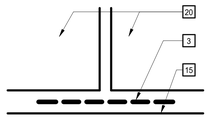
THE EXTERIOR BUILDING ENVELOPE ENCLOSURE MAY EXTEND WITHIN EXTERIOR WALLS WHERE THE INTERIOR AND EXTERIOR ENVIRONMENTS ARE NOT SEPARATED (E.G., MECHANICAL AND ELECTRICAL ROOMS, STAIRS, ELEVATORS, AND SIMILAR UNCONDITIONED SPACES). IN SUCH AREAS, MAINTAIN AIR BARRIER CONTINUITY AT THE PARTITIONS SEPARATING THEM FROM CONDITIONED SPACES, SEALING ALL PENETRATIONS, VOIDS, AND GAPS FROM FLOOR TO DECK ABOVE. WHERE SUCH AREAS HAVE PAINTED MASONRY PARTITIONS WITH ADJACENT, SUSPENDED CEILINGS, CONTINUE PAINT FINISH ABOVE CEILINGS FULL HEIGHT TO DECK.




### EXTERIOR WALL JOINTS
NO SCALE — REFER TO WALL ASSEMBLIES AND JOINT TYPES FOR ADDITIONAL INFORMATION

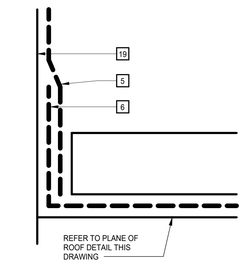



### PARAPET
NO SCALE — REFER TO WALL SECTIONS AND WALL ASSEMBLIES FOR ADDITIONAL INFORMATION

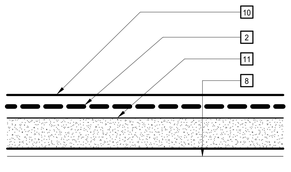



### PLAN OR SECTION VIEW

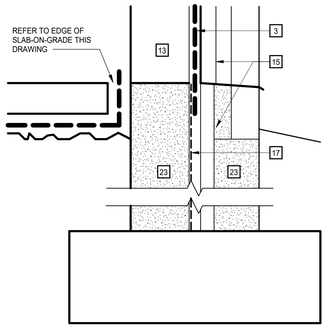
### DISSIMILAR MATERIALS
NO SCALE



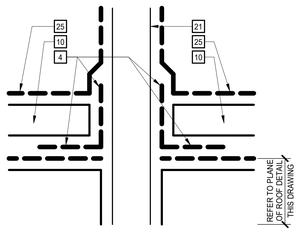

### ROOF TO WALL
NO SCALE — REFER TO ROOF AND WALL ASSEMBLIES FOR ADDITIONAL INFORMATION



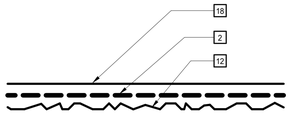

### PLANE OF ROOF
NO SCALE — REFER TO ROOF ASSEMBLIES FOR ADDITIONAL INFORMATION



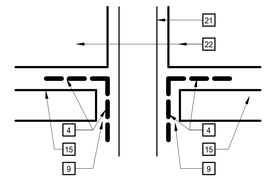

### FOOTING/FOUNDATION
NO SCALE — REFER TO WALL SECTIONS, WALL ASSEMBLIES, AND BASE OF WALL DETAIL FOR ADDITIONAL INFORMATION



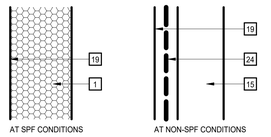

### ROOF PENETRATIONS
NO SCALE — REFER TO ROOF ASSEMBLIES FOR ADDITIONAL INFORMATION



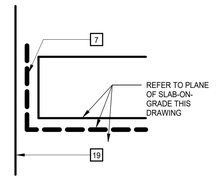

### PLANE OF SLAB-ON-GRADE
NO SCALE




### WALL PENETRATIONS
NO SCALE




### PLANE OF EXTERIOR WALL
NO SCALE — REFER TO WALL ASSEMBLIES FOR ADDITIONAL INFORMATION




### EDGE OF SLAB-ON-GRADE
NO SCALE — REFER TO SLAB-ON-GRADE BOUNDARY CONDITIONS FOR ADDITIONAL INFORMATION

## AIR BARRIER KEYNOTES

REPRESENTED BY n

APPLIES TO THIS DRAWING

| | |
|---|---|
| 1 | SPF AIR BARRIER |
| 2 | VAPOR/AIR BARRIER MEMBRANE |
| 3 | AIR BARRIER TRANSITION STRIP |
| 4 | AIR BARRIER TRANSITION STRIP AROUND ENTIRE PENETRATION |
| 5 | AIR BARRIER MEMBRANE - LAP AND CONTINUE UP AND OVER PARAPET |
| 6 | VAPOR/AIR BARRIER MEMBRANE - TURN UP, PROVIDE CONTINUOUS AIR-TIGHT SEAL AND ADHERE TO WALL AND TERMINATE PER MFR INSTRUCTIONS |
| 7 | VAPOR/AIR BARRIER MEMBRANE - EXTEND UP FACE OF WALL, PROVIDE CONTINUOUS AIR-TIGHT SEAL AND ADHERE TO WALL, THEN CUT OFF FLUSH WITH TOP OF SLAB |
| 8 | ROOF DECK |
| 9 | FULLY SEAL BETWEEN INSULATION AND PENETRATION ITEM |
| 10 | ROOF INSULATION |
| 11 | SUBSTRATE BOARD |
| 12 | POROUS FILL |
| 13 | EXTERIOR WALL INNER WYTHE |
| 14 | COPING - OUTLINE MAY VARY |
| 15 | CAVITY INSULATION |
| 16 | JOINT WIDTH VARIES |
| 17 | DAMPPROOFING |
| 18 | SLAB-ON-GRADE |
| 19 | FACE OF WALL, SHEATHING OR VERTICAL ELEMENT |
| 20 | DISSIMILAR MATERIALS |
| 21 | PENETRATING ITEM |
| 22 | MATERIAL OR WALL BEING PENETRATED |
| 23 | GROUTED SOLID MASONRY - SERVES AS AIR BARRIER |
| 24 | AIR BARRIER SYSTEM |
| 25 | ROOF MEMBRANE |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JOSHUA N. BENNETT — REGISTERED ARCHITECT — 13947 — NORTH CAROLINA — 5/4/2026 — RALEIGH, NC

MOSELEY ARCHITECTS, PC — REGISTERED ARCHITECTURAL CORPORATION — 50149 — NORTH CAROLINA — RALEIGH, NC

LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
4851-01-26
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
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| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

GENERAL INFORMATION - AIR BARRIER

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# 2024 APPENDIX B
# BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
**(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)**
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
Address: 805 S. 5TH STREET SANFORD, NC Zip Code 27330
Owner/Authorized Agent: Brandon Key Phone: 919 - 718 - 4622 Email: bkey@leecountync.gov
Owned By: County
Code Enforcement Jurisdiction: County

**CONTACT:** JOSH BENNETT, PROJECT MANAGER, MOSELEY, JBENNETT@MOSELEYDESIGNS.COM

| DESIGNER FIRM | | NAME | LICENSE # | TELEPHONE # | E-MAIL |
|---|---|---|---|---|---|
| Architectural | Moseley | Josh Bennett | 13947 | 919.840.0091 | jbennett@moseleydesigns.com |
| Civil | WITHERS RAVENEL | Jaclyn Adriatico | 056077 | 704.521.1566 | jadriatico@withersravenel.com |
| Electrical<br>Fire Alarm | Moseley | Brian C. Wells | 040202 | 919. 840.0091 | bwells@moseleydesigns.com |
| Mechanical<br>Sprinkler-Standpipe | Moseley | David T. Whately | 043951 | 804.794.7555 | twhately@moseleydesigns.com |
| Structural<br>Retaining Walls >5' High | Moseley | Steven M. Cooke | 035434 | 919. 840.0091 | scooke@moseleydesigns.com |
| Other | | | | (___) | |

**2024 NC BUILDING CODE:** NEW BUILDING

**2024 NC EXISTING BUILDING CODE:** N/A N/A
**CONSTRUCTED:** (date) N/A **CURRENT OCCUPANCY(S)** (Ch. 3): N/A
**RENOVATED:** (date) N/A **PROPOSED OCCUPANCY(S)** (Ch. 3): N/A

**OCCUPANCY CATEGORY** (Table 1604.5): **Current:** II **Proposed:** II

**BASIC BUILDING DATA**
**Construction Type:** II-B
**Sprinklers:** NO
**Standpipes:** NO
**Primary Fire District:** NO **Flood Hazard Area:** No
**Special Inspections Required:** NO

**Gross Building Area Table (Main Building)**

| FLOOR | EXISTING (SQ FT) | NEW (SQ FT) | SUB-TOTAL |
|---|---|---|---|
| Main Floor | | 2, 353 SF | |
| Lower Floor | | | |
| TOTAL | | 2, 353 SF | |

**ALLOWABLE AREA**

**Primary Occupancy Classification(s):** BUSINESS
**Accessory Occupancy Classification(s):** ASSEMBLY
**Incidental Uses** (Table 509): N/A
**Special Uses (Chapter 4 – List Code Sections):** N/A
**Special Provisions: (Chapter 5 – List Code Sections)**: N/A
**Mixed Occupancy:** NO Separation: Exception: 303.1.3 ; 508.2 ; 508.3.3

Non-Separated Use (508.3)

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

$$\frac{\text{N/A}}{} + \frac{\text{N/A}}{} + \ldots = ____ \leq 1.00$$

| STORY NO. | DESCRIPTION AND USE | (A) BLDG AREA PER STORY (ACTUAL) | (B) TABLE 506.2[2] AREA | (C) AREA FOR FRONTAGE INCREASE[1,3] | (D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3] |
|---|---|---|---|---|---|
| 1 | B, TYPE IIB | 2,353 SF | 23,000 SF | -- | -- |
| | | | | | |
| | | | | | |
| | | | | | |

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = 1,114_____ (P)
c. Ratio (F/P) = _____.69_____ (F/P)
d. W = Minimum width of public way = ____30____ (W)
e. Percent of frontage increase $I_f$ = [F/P – 0.25] x W/30 = ____44____ (%)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

**ALLOWABLE HEIGHT**

| | ALLOWABLE | SHOWN ON PLANS | CODE REFERENCE [1] |
|---|---|---|---|
| Building Height in Feet (Table 504.3) [2] | 55' | 10' - 8" | -- |
| Building Height in Stories (Table 504.4) [3] | 3 | 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**

| 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 | NA | 0 | 0 | | | | |
| Bearing Walls | Table 601 & 602 | 0 | 0 | | | | |
| Exterior | 10 ≤ X < 30 = X = 0 HR | 0 | 0 | | | | |
| North | 10 ≤ X < 30 = X = 0 HR | 0 | 0 | | | | |
| East | 10 ≤ X < 30 = X = 0 HR | 0 | 0 | | | | |
| West | 10 ≤ X < 30 = X = 0 HR | 0 | 0 | | | | |
| South | 10 ≤ X < 30 = X = 0 HR | 0 | 0 | | | | |
| Interior | NA | 0 | 0 | | | | |
| Nonbearing Walls and Partitions<br>Exterior walls | Table 602 | 0 | 0 | | | | |
| North | 10 ≤ X < 30 = X = 0 HR | 0 | 0 | | | | |
| East | 10 ≤ X < 30 = X = 0 HR | 0 | 0 | | | | |
| West | 10 ≤ X < 30 = X = 0 HR | 0 | 0 | | | | |
| South | 10 ≤ X < 30 = X = 0 HR | 0 | 0 | | | | |
| Interior walls and partitions | NA | 0 | 0 | | | | |
| Floor Construction<br>Including supporting beams and joists | | 0 | 0 | | | | |
| Floor Ceiling Assembly | | 0 | 0 | | | | |
| Columns Supporting Floors | | 0 | 0 | | | | |
| Roof Construction, including supporting beams and joists | | 0 | 0 | | | | |
| Roof Ceiling Assembly | | 0 | 0 | | | | |
| Columns Supporting Roof | | 0 | 0 | | | | |
| Shaft Enclosures - Exit | | 0 | 0 | | | | |
| Shaft Enclosures - Other | | 1 | 1 | | | | |
| Corridor Separation | | 0 | 0 | | | | |
| Occupancy/Fire Barrier Separation | | 0 | 0 | | | | |
| 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 (%) |
|---|---|---|---|
| 10' | Unprotected | 15% | 7 % |
| | | | |
| | | | |

**LIFE SAFETY SYSTEM REQUIREMENTS**

Emergency Lighting: Yes
Exit Signs: Yes
Fire Alarm: Yes
Smoke Detection Systems: Yes
Carbon Monoxide Detection: Select one

**LIFE SAFETY PLAN REQUIREMENTS**

Life Safety Plan Sheet #: LS2.1 – LS3.1 – update checklist below

- ☐ 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 1004.5)
- ☒ Occupant loads for each area
- ☒ Exit access travel distances (1017)
- ☒ Common path of travel distances [Tables 1006.3.4(1) and 1006.3.4(2)]
- ☐ 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 (1005.3.2)
- ☒ 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 (1010.2.9)
- ☐ Location of doors with delayed egress locks and the amount of delay (1010.2.13)
- ☐ Location of doors with electromagnetic egress locks (1010.2.11)
- ☐ Location of doors equipped with hold-open devices (716.2.6.1)
- ☐ Location of emergency escape windows (1031)
- ☐ 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 |
|---|---|---|---|---|---|---|---|
| N/A | - | - | - | - | - | - | - |

**ACCESSIBLE PARKING**
(SECTION 1106)

*REFER TO CIVIL DOCUMENTS*

| LOT OR PARKING AREA | TOTAL # OF PARKING SPACES | | # OF ACCESSIBLE SPACES PROVIDED | | TOTAL # ACCESSIBLE |
|---|---|---|---|---|---|
| | REQUIRED | PROVIDED | 96" SPACES | 132" SPACES | PROVIDED |
| Staff | 12 | 12 | 1 | 0 | 1 |
| | | | | | |
| | | | | | |
| | | | | | |
| TOTAL | | | | | 13 TOTAL |

**PLUMBING FIXTURE REQUIREMENTS**
**(TABLE 2902.1)**

*APPLICABLE FOR BUILDINGS 1, 2, 3, 4 STUDENTS TOILETS*

| USE | | WATER CLOSETS | | | URINALS | LAVATORIES | | | SHOWERS /TUBS | DRINKING FOUNTAINS | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MALE | FEMALE | UNISEX | | MALE | FEMALE | UNISEX | | REGULAR | ACCESSIBLE |
| SPACE | EXIST'G | - | - | - | - | - | - | - | - | - | - |
| | NEW | 1 | 1 | - | - | 1 | 1 | - | - | - | 1 |
| | REQ'D | 1 | 1 | - | - | 1 | 1 | - | - | - | - |

**SPECIAL APPROVALS**

**Special approval:** (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, 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 vs annual energy cost for the proposed design.

**Existing building envelope complies with code:** No

**Exempt Building:** No Provide code or statutory reference: NCSBC: Energy Conservation Code, Ch.3

**Climate Zone:** 3A

**Method of Compliance:** Energy Code - Prescriptive

**THERMAL ENVELOPE** (Prescriptive method only)

**Roof/ceiling Assembly** (each assembly)
Description of assembly: METAL ROOF, UNDERLAYMENT (R .94 PER INCH), INSULATION (R 5 PER INCH); METAL DECKING R-VALUE TYCO ROOF INSULATION = 30 R VALUE, AND R VALUE .94 X 1 LAYER UNDERLAYMENT = R.94 TOTAL ASSEMBLY R VALUE = 30.94
R-Value of insulation: 30
Skylights in each assembly: ____
U-Value of skylight:___
total square footage of skylights in each assembly:___

**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: STANDARD BRICK, FOAM INSULATION, 8" CMU BLOCK
U-Value of total assembly:___
R-Value of insulation: R VALUE 8 PER 1" SPRAY INSULATION = TOTAL R VALUE OF INSULATION IS R 12
Description of assembly:____
U-Value of total assembly:___
R-Value of insulation:_____
Description of assembly: _____
U-Value of total assembly:_____
R-Value of insulation:____
Description of assembly:_____
U-Value of total assembly:_____
R-Value of insulation:____
Openings (windows or doors with glazing)
U-Value of assembly: 8 U-VALUE OF WINDOWS
Solar heat gain coefficient: ____
projection factor: ____
Door R-Values: 3.5 R-VALUE OF DOORS
Description of assembly: ____
U-Value of total assembly: ____
R-Value of insulation: ____
slab heated: ____



2024 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
**STRUCTURAL DESIGN**
**(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)**

**DESIGN LOADS:**
**Importance Factors:**Snow (IS) 1.0
Seismic (IE) 1.0

**Live Loads:**Slab-On-Grade 50 psf
Supported Floors: - psf
Classrooms: - psf
Corridors: 50 psf
Storage Rooms: 125 psf
Mechanical: - psf
Stairs: - psf
Roof: 20 psf
**Ground Snow Load:** ____15____psf

**Wind Load:**Ultimate Wind Speed____115_____ mph (ASCE-7)
Exposure Category B

**SEISMIC DESIGN CATEGORY: B**
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5)II
Spectral Response AccelerationsSS____0.189_____ %gS1____0.088____%g
Site Classification (ASCE 7)D
Data Source:Presumptive
Basic structural systemBearing Wall
Analysis Procedure:Equivalent Lateral Force
Architectural, Mechanical, Components anchored? Yes

**LATERAL DESIGN CONTROL:** Earthquake

**SOIL BEARING CAPACITIES:**
Presumptive Bearing Capacity___ 1500 psf
Pile size, type, and capacity_____None_____

2024 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
**MECHANICAL DESIGN**
**(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)**

**MECHANICAL SUMMARY**
**(REFER TO MECHANICAL SHEETS)**

**MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT (MECH to update page)**

**Thermal Zone**
winter dry bulb: 18.8°F
summer dry bulb: 95.3°F

**Interior design conditions**
winter dry bulb: 70.0°F
summer dry bulb: 75.0°F
relative humidity: 50%

**Building heating load:**41,402 BTUH

**Building cooling load:**47,592 BTUH

**Mechanical Spacing Conditioning System**
Unitary
description of unit: Single-packaged air conditioners, air-cooled
heating efficiency:Gas: 80%
cooling efficiency: SEER: 17.1
size category of unit: <65,000 Btuh
Boiler
Size category. If oversized, state reason.: N/A
Chiller
Size category. If oversized, state reason.: N/A

**List equipment efficiencies:** SEER: 17.1

2024 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
**ELECTRICAL DESIGN**
**(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)**

**ELECTRICAL SUMMARY**

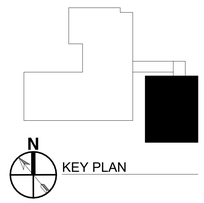
**ELECTRICAL SYSTEM AND EQUIPMENT (ELEC to update page)**

**Method of Compliance:** Energy Code - Performance

**Lighting schedule** (each fixture type) REFER TO DRAWINGS FOR LIGHT FIXTURE SCHEDULE
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 vs allowed (whole building) **90,350W Allow vs 132,841W Specified**
total exterior wattage specified vs. allowed **By Utility Company**

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



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MOSELEY ARCHITECTS, PC
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
RALEIGH, NC

**LEE COUNTY GENERAL SERVICES BUILDING EXPANSION**
**4851-01-26**
**LEE COUNTY**
**805 SOUTH 5TH STREET, SANFORD, NC 27330**

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

**APPENDIX B**

**LS1.1**

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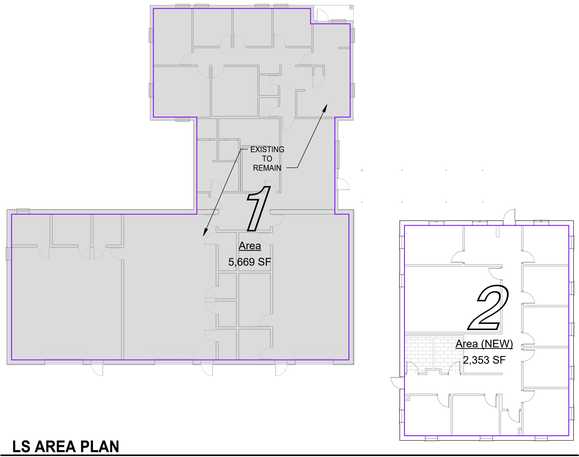



## LS AREA PLAN

CODE SUMMARY - LEE COUNTY GENERAL SERVICES EXPANSION

TABLE 602
FIRE SEPARATION DISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE
10< x <30 OCCUPANCY GROUP B, 0 HOUR SEPARATION REQUIRED.
NEW BUILDING WILL BE 12' FROM EXISTING BUILDING, NO RATING REQUIRED FOR EXTERIOR WALL.

TABLE 705.8
MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION.

TOTAL EXTERIOR WALL IS 607.4 SF x 0.15 = 91.1 SF WINDOW AREA ALLOWED.
THREE 3'-4"W x 4'-0"L IN FLOOR PLAN = A TOTAL AREA OF 43.2 SF IS SHOWING IN PLAN, EQUIVALENT TO 6.6%.

1029.8
EXCEPTION: FOR AREAS SERVING LESS THAN 50 OCCUPANTS, THE COMMON PATH OF TRAVEL SHALL NOT EXCEED 75 FEET.

1029.9.1
MINIMUM CLEAR WIDTH FOR AISLES SHALL COMPLY WITH ONE OF THE FOLLOWING: 4. FORTY TWO INCHES FOR LEVEL OR RAMPED AISLES HAVING SEATING ON BOTH SIDES. EXCEPTION: THIRTY-SIX INCHES WHERE THE AISLE SERVES LESS THAN 50 SEATS.

705.3
FOR PURPOSES OF DETERMINING THE REQUIRED WALL AND OPENING PROTECTION, PROJECTIONS AND ROOF-COVERING REQUIREMENTS, BUILDINGS ON THE SAME LOT SHALL BE ASSUMED TO HAVE AN IMAGINARY LINE BETWEEN THEM. WHERE A NEW BUILDING IS TO BE ERECTED ON THE SAME LOT AS AN EXISTING BUILDING, THE LOCATION OF THE ASSUMED IMAGINARY LINE WITH RELATION TO THE EXISTING BUILDING SHALL BE SUCH THAT THE EXTERIOR WALL AND OPENING PROJECTION OF THE EXISTING BUILDING MEET THE CRITERIA SET FORTH IN SECTIONS 705.5 AND 705.8.
NOTE: EXISTING BUILDING IS TYPE II CONSTRUCTION.

1020.1
Footnote F: EXIT ACCESS CORRIDORS ARE NOT REQUIRED TO BE RATED ON ANY SINGLE TENANT FLOOR OR IN ANY SINGLE TENANT SPACE, IF 1-HOUR FIRE-RESISTANCE-RATED FLOOR/CEILING ASSEMBLIES ARE PROVIDED IN MULTISTORY BUILDINGS AND FIRE PARTITIONS ARE PROVIDED BETWEEN OTHER TENANT SPACES ON THE SAME FLOOR. THE STRUCTURE SUPPORTING SUCH FLOOR/CEILING ASSEMBLIES AND FIRE PARTITIONS IS NOT REQUIRED TO BE RATEDIN TYPES IIIB, IIIB AND VB CONSTRUCTION.

PLUMBING COUNT

LEE COUNTY GENERAL SERVICES EXTENSION

| OCCUPANCY | OCC LOAD | WATER CLOSETS MALE FACTOR | MALE REQ'D | MALE PROVIDED | WATER CLOSETS FEMALE FACTOR | FEMALE REQ'D | FEMALE PROVIDED | LAVATORIES MALE FACTOR | MALE REQ'D | MALE PROVIDED | LAVATORIES FEMALE FACTOR | FEMALE REQ'D | FEMALE PROVIDED | BATH TUBS/SHOWERS FACTOR | REQ'D | PROVIDED | DRINKING FOUNTAINS FACTOR | REQ'D | PROVIDED | SERVICE SINKS REQ'D | PROVIDED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B (# OFFICES = 16 OCC.) | 16 | 25 | 0.32 | | 25 | 0.32 | | 100 | 0.08 | | 100 | 0.08 | | 0 | 0.00 | | 100 | 0.16 | | 1 | |
| TRAINING ROOM (A3: ASSEMBLY, UNCONCENTRATED = 16 OCCUPANTS) | 16 | 125 | 0.06 | | 100 | 0.08 | | 200 | 0.04 | | 200 | 0.04 | | 0 | 0.00 | | 1,000 | 0.02 | | 1 | |
| KITCHENETTE AND PRINT AREA | 2 | 25 | 0.04 | | 100 | 0.01 | | 200 | 0.01 | | 200 | 0.01 | | 0 | 0.00 | | 100 | 0.02 | | 1 | |
| **NEW TOTAL** | **34** | | **1** | **0** | | **1** | **0** | | **1** | **0** | | **1** | **0** | | **0** | **0** | | **1** | **0** | **1** | **0** |

## LIFE SAFETY GENERAL NOTES

1. WALLS SHALL RETAIN THEIR RATINGS WITH ANY PENETRATIONS ADDED
2. ALL EXISTING FIRE RATINGS AND EGRESS PATHS SHALL BE MAINTAINED DURING CONSTRUCTION.

## LIFE SAFETY SYMBOL LEGEND

APPLIES TO LS SERIES OF DRAWINGS ONLY

DESIGNATOR MATRIX

| | WALL | BARRIER | PARTITION | RATED BEARING OR NON-BEARING WALL |
|---|---|---|---|---|
| 4 HR FIRE | | | | |
| 3 HR FIRE | | | | |
| 2 HR FIRE | | | | |
| 1 HR FIRE | ■■■■■ | ▶▶▶▶▶ | ★★★★★ | |
| ½ HR FIRE | | | | |
| SMOKE | | | ◆◆◆◆◆ | |
| SMOKE-TIGHT | | | | |
| INCIDENTAL | | | | |

NOTES:

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

DOUBLE FIRE WALL

'n' = RATING IN HOURS — nDFW — DFW = DOUBLE FIRE WALL

NOTE: RATINGS MAY VARY, REFER TO A0.2 FOR ACTUAL RATINGS OF FIRE WALLS COMPOSING THE DOUBLE FIRE WALLS

SYMBOLS

- 798 | 1280 — DIRECTION OF EGRESS, EGRESS LOAD CAPACITY, NUMBER OF OCCUPANTS
- DIRECTION OF EGRESS, NUMBER OF OCCUPANTS, EGRESS LOAD CAPACITY — 798 | 1280
- 174'-9" TD — EXIT ACCESS TRAVEL DISTANCE
- 74'-9" CPOT — COMMON PATH OF TRAVEL
- FIRE EXTINGUISHER CABINET
- DENOTES WHICH ROOMS ARE USING AN EXIT
- DENOTES WHICH ROOMS ARE USING AN EXIT

## OCCUPANCY SCHEDULE

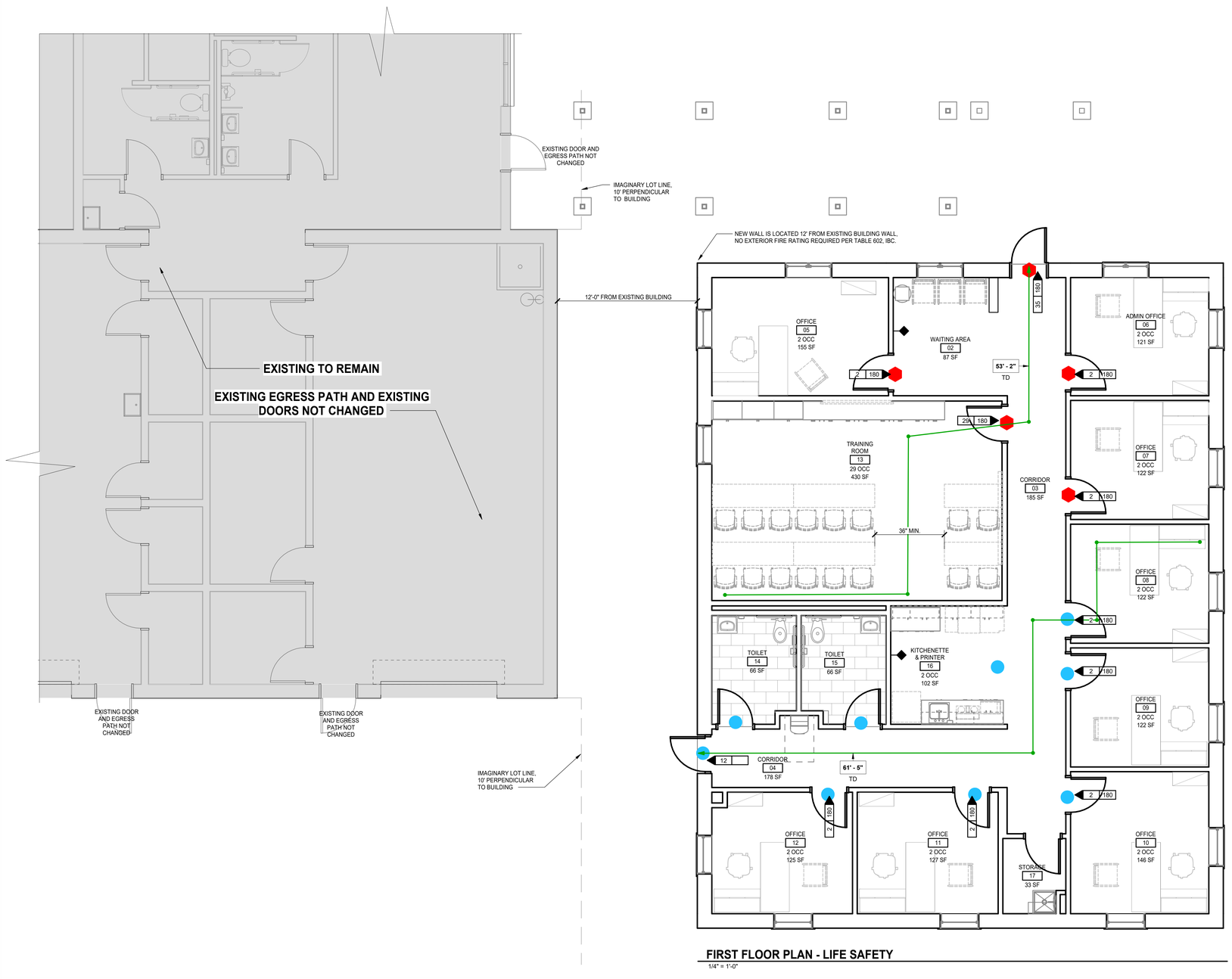
| SPACE NUMBER | SPACE NAME | USE CLASSIFICATION | USED TO DETERMINE OCCUPANCY FACTOR ONLY | FLOOR AREA PER OCCUPANT | AREA SF | AREA GROSS | AREA NET | OCCUPANCY LOAD TABULAR | OCCUPANCY LOAD ACTUAL | OCCUPANCY LOAD DESIGN |
|---|---|---|---|---|---|---|---|---|---|---|
| 05 | OFFICE | B | BUSINESS AREA | 100 SF | 155 | • | | 2 | 2 | 2 |
| 06 | ADMIN OFFICE | B | BUSINESS AREA | 100 SF | 121 | • | | 2 | 2 | 2 |
| 07 | OFFICE | B | BUSINESS AREA | 100 SF | 122 | • | | 2 | 2 | 2 |
| 08 | OFFICE | B | BUSINESS AREA | 100 SF | 122 | • | | 2 | 2 | 2 |
| 09 | OFFICE | B | BUSINESS AREA | 100 SF | 122 | • | | 2 | 2 | 2 |
| 10 | OFFICE | B | BUSINESS AREA | 100 SF | 146 | • | | 2 | 2 | 2 |
| 11 | OFFICE | B | BUSINESS AREA | 100 SF | 127 | • | | 2 | 2 | 2 |
| 12 | OFFICE | B | BUSINESS AREA | 100 SF | 125 | • | | 2 | 2 | 2 |
| 13 | TRAINING ROOM | A3 | ASSEMBLY, UNCONCENTRATED | 15 SF | 430 | | • | 29 | 29 | 29 |
| 16 | KITCHENETTE & PRINTER | B | BUSINESS AREA | 100 SF | 102 | • | | 2 | 2 | 2 |

## LIFE SAFETY - HEIGHT

| BUILDING | SPRINKLERED | ALLOWABLE STORIES | ALLOWABLE HEIGHT | ALLOWABLE STORIES | ACTUAL HEIGHT | ACTUAL STORIES |
|---|---|---|---|---|---|---|
| 1 - EXISTING | No | 3 | 55'-0" | 3 | 24'-0" | 1 |
| 2 | No | 3 | 55'-0" | 3 | 19'-0" | 1 |

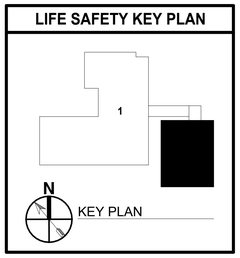
## LIFE SAFETY - FACILITY TOTAL AREA

| 2,375 | AREA (SF) |
|---|---|
| Area (EXISTING) | 5669 |
| | 5669 |
| Area (NEW) | 2353 |
| | 2353 |




FIRST FLOOR PLAN - LIFE SAFETY
1/4" = 1'-0"

## LIFE SAFETY KEY PLAN

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JOSHUA N. BENNETT — REGISTERED ARCHITECT — 13947 — 5/4/2026 — NORTH CAROLINA — RALEIGH, NC

MOSELEY ARCHITECTS, PC — REGISTERED ARCHITECTURAL CORPORATION — 50149 — NORTH CAROLINA — RALEIGH, NC

LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
4851-01-26
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

LIFE SAFETY INFORMATION

LS1.2

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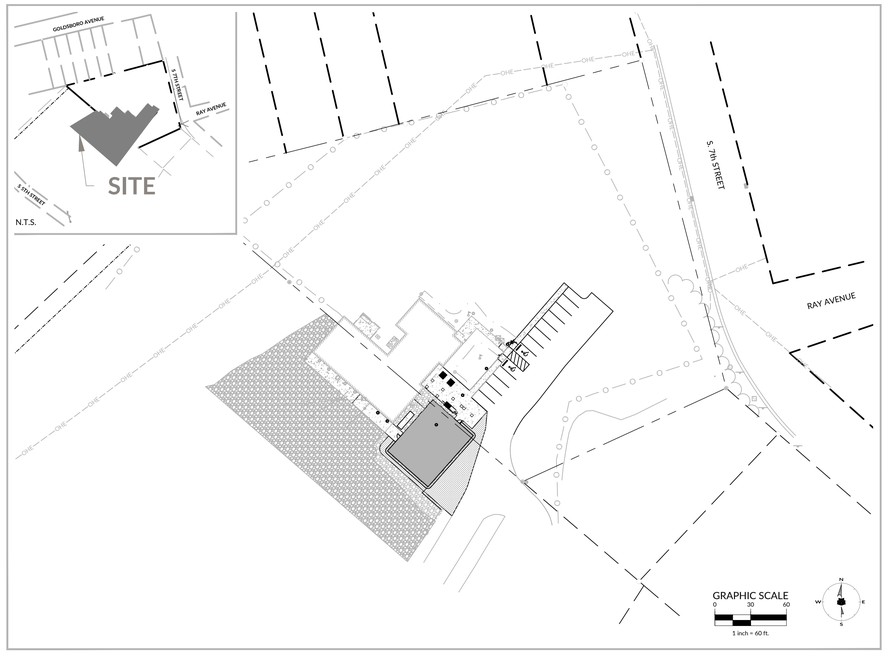
# CONSTRUCTION PLANS

# LEE COUNTY
# GENERAL SERVICES
# BUILDING EXPANSION

## 805 S 5TH ST | SANFORD, NC 27330 | LEE COUNTY

**APRIL 30, 2026**




## SURVEY BENCHMARK

BENCHMARK IS LOCAL TO SITE.
SEE SHEET C1.01 FOR BENCHMARK INFORMATION.
VERTICAL DATUM BASED ON NAVD 88.

## PARCEL DATA

| | | | |
|---|---|---|---|
| PIN: | 9652-08-7020-00 | PIN: | 9652-08-8390-00 |
| OWNER: | LEE COUNTY | OWNER: | LEE COUNTY |
| ADDRESS: | 617 FIFTH ST | ADDRESS: | 0 SEVENTH ST |
| ZONING: | LIGHT INDUSTRIAL | ZONING: | OFFICE & INSTITUTIONAL |
| AREA: | 5 ACRES | AREA: | 2.06 ACRES |
| REAL ESTATE ID: | N/A | REAL ESTATE ID: | N/A |

## SITE DATA TABLE

| | |
|---|---|
| LEE COUNTY PROJECT NO. | TBD |
| PARCEL PIN NO. | 9652-08-7020, 9652-08-8390 |
| TOTAL PARCEL AREA (ACRES) | 7.06 |
| RIVER BASIN | CAPE FEAR |
| EXISTING ZONING & LAND USE | LIGHT INDUSTRIAL/ OFFICE & INSTITUTIONAL |
| PROPOSED USE | LIGHT INDUSTRIAL/ OFFICE & INSTITUTIONAL |
| EXISTING IMPERVIOUS AREA | 13,600 SF / 0.31 AC |
| PROPOSED ADDITIONAL IMPERVIOUS AREA | 3,150 SF / 0.07 AC |
| LIMITS OF DISTURBANCE | 25,000 SF / 0.57 AC |

## INDEX OF SHEETS


| Sheet Number | Sheet Title |
|---|---|
| C0.00 | COVER |
| C0.01 | GENERAL NOTES |
| C1.00 | EXISTING CONDITIONS |
| C1.01 | BOUNDARY & TOPO SURVEY |
| C1.10 | DEMOLITION PLAN |
| C2.00 | SITE PLAN |
| C3.00 | UTILITY PLAN |
| C5.00 | GRADING, DRAINAGE, & ESC PLAN |
| C9.01 | SITE DETAILS |
| C9.02 | UTILITY & STORM DETAILS |
| C9.03 | EROSION CONTROL DETAILS |
| L2.00 | OVERALL LANDSCAPE PLAN |
| L9.00 | LANDSCAPE DETAILS |


our people • your success

**FINAL DRAWING**
FOR REVIEW PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

## CONTACT LIST: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919-840-0091
BRIGITTAM@MOSELEYDESIGNS.COM


811 Know what's below. Call before you dig.

Signed by: Jaclyn Adriatico 06B9A4E4E4E4E4E4...

NORTH CAROLINA PROFESSIONAL SEAL 056077 ENGINEER JACLYN ADRIATICO

4/30/2026

## PREPARED BY:


WithersRavenel
137 S Wilmington Street | Suite 200 | Raleigh, NC 27601
License #: F-1479 | t: 919.469.3340 | www.withersravenel.com


## DEVELOPER:


MOSELEY ARCHITECTS
911 N West St #205
Raleigh, NC 27603
PHONE #: 919.840.0091


MOSELEYARCHITECTS

CONSTRUCTION PLANS
Lee County
General Services
Building Expansion
WR PROJECT NO. 25-0734
MUNI PRO NO: Muni Proj. No.

INITIAL PLAN DATE: 04/30/2026

j:\25\0734-moseley lee county general services expansion\CAD\drawing set\cdm plan\C0.00 COVER.dwg - Wednesday, April 29, 2026 7:22:03 PM - ABLACK

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**SURVEY NOTES:**

1. THE FOLLOWING INFORMATION WAS USED FOR THE EXISTING SURVEY:
   a. COORDINATE SYSTEM: NORTH CAROLINA STATE PLANE FOOT
   b. PROJECT HORIZONTAL DATUM: NAD 83/2011
   c. VERTICAL DATUM: NAVD 88
   d. COORDINATE UNITS: US SURVEY FEET
   e. VERTICAL UNITS: US SURVEY FEET
2. PROPERTY BOUNDARY AND TOPOGRAPHIC SURVEY SHOWN AS PROVIDED BY WITHERSRAVENEL, DATED 01/08/2026.
3. WETLANDS, STREAMS, AND RIPARIAN BUFFERS SHOWN AS PROVIDED BY WITHERSRAVENEL, DATED 12/26/2025 VIA GPS, LEE COUNTY GIS DATA, AND TOPOGRAPHIC INTERPRETATION. NO WETLANDS WERE IDENTIFIED WITHIN THE PROJECT AREA.
4. PROPERTY DOES NOT FALL WITHIN FEMA FLOODPLAIN PER FEMA FIRM 3710965200J, EFFECTIVE DATE 09/06/2006.
5. NO DETERMINATION HAS BEEN MADE BY THE SURVEYOR AS TO THE FOLLOWING: UNDERGROUND STORAGE FACILITIES, UNDERGROUND UTILITIES, GRAVES, CEMETERIES, BURIAL GROUNDS, HAZARDOUS WASTE DEPOSITS OR MATERIALS.
6. THE UNDERGROUND UTILITIES SHOWN HEREON WERE MARKED BY WITHERSRAVENEL ON 01/08/2026 AND THOSE MARKS WERE FIELD LOCATED BY WITHERSRAVENEL ON 01/21/2026. THE ACCURACY OF THE FIELD MARKED UNDERGROUND UTILITIES IS ± 24 INCHES, UNLESS OTHERWISE INDICATED. THE DEPTH OF THESE UTILITIES IS UNKNOWN, UNLESS OTHERWISE INDICATED.
7. SURVEY CONTROL POINTS PROVIDED IN NC STATE PLANE COORDINATES. THE PROPOSED COORDINATES ARE GROUND COORDINATES. THE CONTRACTOR'S SURVEYOR IS RESPONSIBLE FOR ANY CONVERSIONS NEEDED FOR THE STAKEOUT OF THE PROPOSED GROUND COORDINATES SHOWN.
8. THE CONTRACTOR SHALL ESTABLISH ADDITIONAL CONTROLS THAT MAY BE NEEDED THROUGHOUT THE PROJECT.

**GENERAL NOTES:**

1. WORK ON THIS PROJECT MUST CONFORM TO THE LATEST NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, LEE COUNTY STANDARDS AND SPECIFICATIONS, GEOTECHNICAL REPORTS, AND ANY OTHER APPLICABLE DESIGN STANDARDS AT THE TIME OF PLAN APPROVAL. IN THE EVENT OF CONFLICT BETWEEN ANY OF THESE STANDARDS, SPECIFICATIONS OR PLANS, THE MOST STRINGENT WILL GOVERN, UNLESS OTHERWISE NOTED IN THESE PLANS.
2. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID AND COMMENCING WORK.
3. ANY DISCREPANCIES, INCONSISTENCIES OR AMBIGUITIES FOUND BETWEEN THE DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS MUST BE IMMEDIATELY REPORTED TO THE ENGINEER IN WRITING AND PRIOR TO BIDDING IF APPLICABLE. WORK DONE BY THE CONTRACTOR AFTER THE DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES, OR AMBIGUITIES WITHOUT WRITTEN CLARIFICATION FROM THE ENGINEER AND APPROVAL BY OWNER WILL BE DONE AT THE CONTRACTOR'S RISK AND EXPENSE.
4. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR JOBSITE SAFETY DURING CONSTRUCTION. WORK MUST COMPLY WITH MUNICIPAL, OCCUPANTY AND STATE REGULATIONS, AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS. CONTRACTOR MUST COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OSHA ACT.
5. THE CONTRACTOR MUST CALL "811" FOR PROPER IDENTIFICATION OF EXISTING UTILITIES AT LEAST 72 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY.
6. THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING, AND SUBSEQUENTLY PROTECTING, PUBLIC AND PRIVATE UTILITIES (SHOWN OR NOT SHOWN) THAT LIE IN OR ADJACENT TO THE PROJECT SITE. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY DAMAGES WHICH MIGHT BE OCCASIONED TO THE UNDERGROUND UTILITIES. NOT ALL UTILITIES AND FACILITIES ARE NECESSARILY SHOWN. HAND DIGGING TO PROTECT UTILITIES FROM DAMAGE MAY BE REQUIRED.
7. ANY UTILITIES AND EXISTING SITE ELEMENTS (I.E. SIGNS, ROADWAYS, PATHS, STRUCTURES, NATURAL VEGETATION, OTHER EXISTING PROPERTY ITEMS, ETC.) DAMAGED DURING THE PROJECT BY THE CONTRACTOR'S WORKERS OR EQUIPMENT MUST BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER, UTILITY OWNER, REGULATORY AGENCY, AND ENGINEER.
8. THE CONTRACTOR MUST MAKE EVERY EFFORT TO PRESERVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A NORTH CAROLINA LICENSED LAND SURVEYOR MUST REPLACE AT THE CONTRACTOR'S EXPENSE, PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES DESTROYED BY THE CONTRACTOR.
9. THE CONTRACTOR MUST PLAN AND CONSTRUCT WORK IN ORDER TO CAUSE MINIMUM DISTURBANCE TO THE OWNER, ADJACENT PROPERTIES AND THE PUBLIC. CONTRACTOR MUST COORDINATE WITH AND OBTAIN APPROVAL FROM STATE AND LOCAL REGULATORY AGENCIES ON TRAFFIC CONTROL PLANS.
10. ADJACENT STREETS AND SIDEWALKS MUST BE MAINTAINED IN AN UNOBSTRUCTED, CLEAN CONDITION, MUD AND DUST-FREE.
11. THE CONTRACTOR MUST REPLACE WITH NEW, DRIVEWAY PIPES AND OTHER DRAINAGE PIPES/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. NEW PIPE/CULVERTS MUST MEET THE REQUIREMENTS OF NCDOT.
12. ROADWAY DITCHES DISTURBED DURING CONSTRUCTION MUST BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS OR AUTHORITIES HAVING JURISDICTION. DITCHES MUST BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
13. EXCAVATED MATERIAL MUST BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR MUST PROVIDE THE NECESSARY SEDIMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. EXCESS EXCAVATED MATERIAL MUST BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY.
14. THE CONTRACTOR MUST HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS THE REQUIRED PERMIT APPROVALS AND EXECUTED EASEMENTS ON THE JOB SITE DURING CONSTRUCTION ACTIVITIES.
15. CONSTRUCTION STAKEOUT FOR THIS PROJECT MAY BE PERFORMED BY THE CONTRACTOR, USING A DIGITAL (CADD) FILE PROVIDED BY THE ENGINEER. THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FOUND BETWEEN THE DIGITAL FILE AND THE CRITICAL STAKING DIMENSIONS SHOWN ON THIS PLAN (I.E. PAVEMENT WIDTHS, CURB RADII, BUILDING SETBACKS, BUILDING FOOTPRINTS, ETC.). ANY MODIFICATIONS MADE BY OTHERS TO THE DIGITAL FILE PROVIDED BY THE ENGINEER WILL RENDER IT VOID.
16. THE CONTRACTOR MUST FURNISH AND INSTALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, ACCESSIBLE PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDINGS AS SHOWN ON THE PLANS. THE PAVEMENT MARKING MATERIALS MUST ADHERE TO NCDOT STANDARDS, UNLESS NOTED OTHERWISE.
17. THE CONTRACTOR MUST COMPLY WITH MUTCD, LEE COUNTY, AND NCDOT REQUIREMENTS, AS APPLICABLE RELATED TO TRAFFIC CONTROL DEVICES AND STREET SIGNS.
18. ACCESSIBLE ROUTES AND PARKING AREAS MUST BE PROVIDED IN ACCORDANCE WITH THE CURRENT NORTH CAROLINA BUILDING CODE AND ADA STANDARDS FOR ACCESSIBLE DESIGN.
19. THE CONTRACTOR MUST INSTALL A SEALED EXPANSION JOINT WHERE CONCRETE PAVEMENT ABUTS BACK OF CURB OR BUILDING FOUNDATION.
20. THE CONTRACTOR MUST EMPLOY AND PAY FOR SERVICES OF AN INDEPENDENT TESTING AGENCY OR LABORATORY ACCEPTABLE TO OWNER TO PERFORM SPECIFIED TESTING.
21. THE CONTRACTOR MAY INSTALL PVC SLEEVES UNDER PAVEMENT AREAS FOR POWER, TELECOM, AND OR IRRIGATION LINES PRIOR TO PAVING FOR THE INSTALLATION OF THESE UTILITIES.
22. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AS-BUILT DRAWINGS OF THE WATER, SANITARY SEWER, STORM SEWER, AND STORMWATER CONTROL MEASURE(S), AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION IN BOTH PDF AND CAD FORMATS PREPARED BY A PROFESSIONAL LAND SURVEYOR BEING LICENSED IN THE STATE OF THE PROJECT.

**DEMOLITION NOTES:**

1. THE CONTRACTOR MUST COORDINATE WITH THE OWNER AND UTILITY OWNER TO PROPERLY MAINTAIN, REMOVE OR RELOCATE EXISTING UTILITY SERVICE CONNECTIONS WHEN NECESSARY.
2. THE CONTRACTOR MUST NOTIFY SURROUNDING NEIGHBORS ABOUT ANY POTENTIAL INTERRUPTION TO SERVICE OF ANY KIND.
3. EXISTING UTILITIES NOT INTENDED FOR DEMOLITION MUST BE MAINTAINED, PROTECTED AND UNDISTURBED DURING CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR MUST PROTECT ADJACENT PROPERTY, STRUCTURES AND UTILITIES. DAMAGE TO PROPERTIES OF OTHERS DUE TO THE CONTRACTOR'S ACTIVITIES WILL BE AT THE CONTRACTOR'S EXPENSE AND MUST BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER.
5. MATERIAL CLEARED OR DEMOLISHED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK WILL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED AND MUST BE PROPERLY DISPOSED OF OFF-SITE.
6. SAW CUTS OF EXISTING PAVEMENTS, CURBS, GUTTERS AND SIDEWALKS MUST PRODUCE A NEAT VERTICAL EDGE.
7. DEMOLITION WORK MUST BE DONE IN STRICT ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION.
8. APPLICABLE PERMITS REQUIRED FOR THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN PRIOR TO THE START OF DEMOLITION ACTIVITIES.
9. THE CONTRACTOR IS RESPONSIBLE FOR PHASING DEMOLITION IN THE APPROPRIATE SEQUENCE IN ORDER TO MAINTAIN ACCESS TO ADJACENT BUILDINGS, PARKING LOTS, ETC.

**STORM DRAINAGE NOTES:**

1. CONSTRUCTION AND MATERIALS MUST BE IN ACCORDANCE WITH CURRENT LEE COUNTY STANDARDS AND NCDOT STANDARD SPECIFICATIONS AND DETAILS.
2. ROOF DRAIN PIPING MUST BE SCHEDULE 40 PVC OR TYPE S HDPE INSTALLED AT 1% MINIMUM SLOPE, UNLESS OTHERWISE NOTED. CONTRACTOR TO PROVIDE CONCRETE SPLASH BLOCKS AT DOWNSPOUTS LOCATED IN UNPAVED AREAS.

**GRADING NOTES:**

1. ELEVATIONS SHOWN ARE IN REFERENCE TO THE ESTABLISHED BENCHMARKS SHOWN ON THE SITE SURVEY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND MAINTAINING THE BENCHMARK PRIOR TO CONSTRUCTION.
2. THE ELEVATIONS SHOWN REPRESENT FINISHED GRADE. THE CONTRACTOR MUST SET THE SUBGRADE TO ALLOW FOR FUTURE IMPROVEMENTS (I.E. PAVEMENT THICKNESS, TOPSOIL THICKNESS, ETC.).
3. AREAS MUST BE GRADED FOR POSITIVE DRAINAGE, AND AS SHOWN ON THESE PLANS. THE CONTRACTOR MUST MAINTAIN ADEQUATE SITE DRAINAGE THROUGHOUT CONSTRUCTION. IN ADDITION TO THE MEASURES SHOWN IN THESE PLANS, THE CONTRACTOR MUST USE INTERIM DIVERSION DITCHES, BERMS, OR OTHER METHODS AS REQUIRED TO DIRECT DRAINAGE AS SHOWN ON THESE PLANS AND TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES, ROADWAYS, AND ENVIRONMENTALLY SENSITIVE AREAS SUCH AS BUFFERS AND WETLANDS. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER AND OWNER IN WRITING OF ANY DISCREPANCIES OR CONCERNS.
4. SOILS USED FOR BACKFILL MUST BE FREE OF UNSATISFACTORY MATERIALS INCLUDING ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION AND OTHER DELETERIOUS MATTER. ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION MUST NOT BE PLACED IN THE IN THE FINAL LIFT (MINIMUM OF 6 INCHES). UNSATISFACTORY MATERIALS ALSO INCLUDE MAN-MADE FILLS AND REFUSE DEBRIS DERIVED FROM ANY SOURCE. REFER TO THE FINAL GEOTECHNICAL REPORT FOR ANY SPECIAL FILL MATERIAL REQUIRED FOR THIS PROJECT, IF ANY. THE CONTRACTOR MUST CONSULT WITH THE SITE GEOTECHNICAL ENGINEER PRIOR TO BACKFILL PLACEMENT TO VERIFY BACKFILL MEETS PROJECT REQUIREMENTS.
5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING APPLICABLE SOIL TESTING IS PERFORMED AND THE RESULTS FORWARDED TO THE ENGINEER AND OWNER.
6. MATERIALS USED TO CONSTRUCT EMBANKMENTS FOR ANY PURPOSE, BACKFILL AROUND DRAINAGE STRUCTURES, OR IN UTILITY TRENCHES FOR ANY OTHER DEPRESSION REQUIRING FILL OR BACKFILL MUST MEET THE REQUIREMENTS OF THE PROJECT GEOTECHNICAL ENGINEER RECOMMENDATIONS.
7. THE CONTRACTOR WILL, PRIOR TO ANY OPERATIONS INVOLVING FILLING OR BACKFILLING, SUBMIT TO THE OWNER AND PROJECT GEOTECHNICAL ENGINEER THE RESULTS OF THE PROCTOR TEST TOGETHER WITH A CERTIFICATION THAT THE SOIL TESTED IS REPRESENTATIVE OF THE MATERIALS TO BE USED ON THE PROJECT. TESTS MUST BE CONDUCTED BY A NORTH CAROLINA CERTIFIED MATERIALS TESTING LABORATORY AND CERTIFICATIONS MADE BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA REPRESENTING THE LABORATORY.
8. PAVEMENT SUBGRADES MUST BE SCARIFIED TO A DEPTH OF 8 INCHES AND COMPACTED TO A MINIMUM DENSITY OF 100 PERCENT OF ASTM D1557 DENSITY AT OPTIMUM MOISTURE CONTENT UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
9. CONTOURS ARE APPROXIMATE, SPOT ELEVATIONS ARE TO BE USED IN CASE OF DISCREPANCY.
10. THE CONTRACTOR WILL OBTAIN APPLICABLE PERMITS AS REQUIRED FOR BLASTING ROCK IF BLASTING ROCK IS REQUIRED. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION RELATED TO BLASTING AND SAFETY.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DEWATERING NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLANS. DEWATERING WILL BE INCIDENTAL TO GRADING OPERATIONS.
12. THE FRAMES AND COVERS OF EXISTING AND PROPOSED DRAINAGE, SANITARY SEWER, WATER MAIN, GAS AND ELECTRIC UTILITY STRUCTURES MUST BE ADJUSTED TO MATCH PROPOSED FINISHED ELEVATIONS AND SLOPES UNLESS OTHERWISE SHOWN ON THE PLANS.
13. BEFORE ANY EARTHWORK COMMENCES, THE CONTRACTOR WILL STAKE OUT AND MARK THE LIMITS OF CONSTRUCTION AND OTHER ITEMS ESTABLISHED IN THE PLANS. THE CONTRACTOR MUST PROVIDE APPROPRIATE SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
14. THE PLACEMENT OF ANY FILL MATERIAL MUST BE CONDUCTED UNDER THE OBSERVATION OF A QUALIFIED LICENSED GEOTECHNICAL ENGINEER AND UPON COMPLETION OF THE EARTHWORK ACTIVITIES THE OWNER AND JURISDICTION MUST BE PROVIDED WITH A FINAL GRADING REPORT THAT INCLUDES THE CORRESPONDING COMPACTION TEST RESULTS AND CERTIFIES THE TYPE OF FILL MATERIAL AND ITS PROPER PLACEMENT.
15. REFERENCE STRUCTURAL DRAWINGS, SPECIFICATIONS, GEOTECHNICAL REPORT, AND/OR DIRECTIVES PROVIDED BY THE PROJECT GEOTECHNICAL ENGINEER FOR BUILDING PAD AND PAVING SUBGRADE INFORMATION.

**UTILITY NOTES:**

1. FOR THE PURPOSES OF THESE DOCUMENTS, THE TERMS WATERLINE AND WATER MAIN SHALL BE CONSIDERED SYNONYMOUS AND USED INTERCHANGEABLY.
2. GENERALLY, FILL MATERIAL MUST BE IN PLACE AND COMPACTED BEFORE THE INSTALLATION OF THE PROPOSED UTILITIES.
3. APPLICABLE INSPECTIONS, CERTIFICATIONS, AND TESTING REQUIRED BY CODES AND UTILITY SERVICE COMPANIES MUST BE PERFORMED PRIOR TO MUNICIPAL APPROVAL FOR THE FINAL CONNECTION OF SERVICE. THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYMENT OF TESTING SERVICES AND COORDINATION WITH UTILITY OWNER. COPIES OF THE APPLICABLE INSPECTIONS, CERTIFICATIONS, AND TESTING MUST BE PROVIDED TO THE OWNER.
4. ALL TESTING MUST BE WITNESSED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE ENGINEER TO SCHEDULE OBSERVATIONS AND SHOULD PROVIDE A MINIMUM 48 HOURS' NOTICE.
5. THE CONTRACTOR MUST PROVIDE THE MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE IMPROVEMENTS SHOWN.
6. THE CONTRACTOR MUST INSTALL THRUST BLOCKS ON WATER LINE FITTINGS (BENDS, TEES, END CAPS, ETC.) AND VALVES UNLESS THE JOINTS ARE RESTRAINED.
7. THE CONTRACTOR MUST REPORT IN WRITING ANY UTILITY CONFLICTS TO THE ENGINEER IMMEDIATELY UPON DISCOVERING CONFLICTS.
8. THE SANITARY SEWER PIPE LENGTHS AS SHOWN ON THE DRAWINGS REPRESENTS THE DISTANCE FROM CENTER TO CENTER OF THE RESPECTIVE STRUCTURES.
9. PRIOR TO UTILITY RELOCATION, REMOVAL OR ABANDONMENT, THE CONTRACTOR MUST COORDINATE WITH THE LOCAL UTILITY PROVIDERS, LOCAL MUNICIPALITY, AND NCDOT, AS APPLICABLE.
10. THE CONTRACTOR MUST NOTIFY SURROUNDING NEIGHBORS ABOUT ANY POTENTIAL INTERRUPTION TO SERVICE OF ANY KIND.
11. THE CONTRACTOR MUST MAINTAIN A MINIMUM COVER OF 3 FEET ON PROPOSED WATER LINES.
12. THE CONTRACTOR MUST MAINTAIN A MINIMUM COVER OF 3 FEET ON PROPOSED SANITARY LINES.
13. THE CONTRACTOR MUST MAINTAIN SEPARATION OF WATER SERVICE FROM SANITARY SEWER PIPING IN ACCORDANCE WITH THOSE DISTANCES SPECIFIED BY THE NORTH CAROLINA PLUMBING CODE. WATER SERVICE AND SEWER SERVICES SHOULD BE SEPARATED BY ≥ 5 FT HORIZONTALLY OF UNDISTURBED OR COMPACTED EARTH.
14. CONTRACTOR MUST COORDINATE WITH UTILITY COMPANIES FOR THE INSTALLATION OF PROPOSED POWER AND COMMUNICATION LINES AND ASSOCIATED APPURTENANCES.
15. THE CONTRACTOR MUST BRING THE PROPOSED UTILITIES TO WITHIN FIVE FEET OF BUILDINGS AND STUB UP FOR FUTURE CONNECTION BY OTHERS, UNLESS SPECIFICALLY NOTED OTHERWISE.
16. CONDUITS WITHIN PAVED AREAS ARE TO BE INSTALLED PRIOR TO THE FINAL PROOF ROLL AND INSTALLATION OF AGGREGATE BASE MATERIAL. APPROXIMATE CONDUIT SIZE IS 4" DIAMETER PVC. CONDUITS MUST BE INSTALLED WITH PROPER MARKERS TO FACILITATE THE INSTALLATION OF UNDERGROUND ELECTRIC AND FIBER OPTIC LINES. CONDUITS MUST INCLUDE A PULL STRING. ACTUAL DIAMETER, LOCATION AND QUANTITY WILL BE DETERMINED BY THE ELECTRICAL AND TELECOMMUNICATION CONTRACTOR(S).
17. THE CONTRACTOR MUST COORDINATE WITH THE NATURAL GAS PROVIDER FOR INSTALLATION OF NATURAL GAS SERVICE AND ASSOCIATED APPURTENANCES.
18. PRIVATE DOMESTIC WATER LINES 2" IN DIAMETER AND LARGER MUST BE SDR 21 PVC 1120 IN ACCORDANCE WITH ASTM D2241, UNLESS OTHERWISE NOTED.
19. SANITARY SEWER SERVICE LATERALS 6" IN DIAMETER AND SMALLER MUST BE PVC DWV SOLID CORE, SCHEDULE 40, IN ACCORDANCE WITH ASTM D2665 UNLESS OTHERWISE NOTED ON THE PLANS.
20. WHERE DUCTILE IRON PIPE IS SPECIFIED, PIPE MUST BE PRESSURE CLASS 350 IN ACCORDANCE WITH AWWA C151 WITH A CEMENT-MORTAR LINING IN ACCORDANCE WITH AWWA C104.
21. DUCTILE IRON PIPE IS REQUIRED FOR WATER AND SANITARY SEWER LINES UNDER THE FOLLOWING CONDITIONS:
    a. WATER LINE CROSSING UNDER SANITARY SEWER LINE (FOR ANY CLEARANCE)
    b. LESS THAN 18 INCHES OF VERTICAL CLEARANCE FOR WATER LINE CROSSING OVER SANITARY SEWER
    c. LESS THAN 12 INCHES OF VERTICAL CLEARANCE BETWEEN WATER MAIN AND ANY OTHER UTILITY
    d. SEWER LINES WITH LESS THAN THREE (3) FEET OF COVER

**EROSION & SEDIMENT CONTROL NOTES:**

1. THE CONTRACTOR MUST ENSURE GRADING OPERATIONS ARE CONDUCTED IN A MANNER THAT DOES NOT ALLOW ANY SEDIMENT TO DRAIN OFFSITE OR INTO WATERCOURSES.
2. THE CONTRACTOR MUST CONSTRUCT DIVERSION DITCHES AS NECESSARY TO ENSURE SEDIMENT IS DIRECTED INTO EROSION CONTROL MEASURES.
3. TO AVOID SLOPE EROSION, RUNOFF MUST NOT BE ALLOWED TO FLOW OVER THE TOP OF FILL SLOPES. THE CONTRACTOR MUST MAINTAIN DIVERSION DITCHES ALONG THE TOP OF FILL SLOPES AS FILL IS BEING PLACED.
4. THE CONTRACTOR MUST PROVIDE DUST CONTROL, INCLUDING WETTING DOWN THE SITE, AS REQUIRED TO LIMIT DISTURBANCE TO ADJACENT SITES.
5. TREE PROTECTION FENCING MUST BE INSTALLED AND INSPECTED PRIOR TO THE ISSUANCE OF A GRADING PERMIT. FENCING WILL NOT BE REQUIRED ADJACENT TO AREAS WITHOUT WOODED VEGETATION. FENCING MUST BE MAINTAINED ON THE SITE UNTIL THE SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION SCHEDULED FOR CERTIFICATE OF OCCUPANCY (CO). THE FENCING MUST BE REMOVED PRIOR TO THE FINAL SITE INSPECTION FOR THE CO.
6. THE CONTRACTOR MUST MAINTAIN AND REPAIR THE EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN TO ENSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
7. NO LAND DISTURBANCE IS PERMITTED BEYOND THE LIMITS OF DISTURBANCE SHOWN ON THE PLANS.
8. IF THE SAME PERSON CONDUCTS THE LAND-DISTURBING ACTIVITY & ANY RELATED BORROW OR WASTE ACTIVITY, THE RELATED BORROW OR WASTE ACTIVITY SHALL CONSTITUTE PART OF THE LAND-DISTURBING ACTIVITY UNLESS THE BORROW OR WASTE ACTIVITY IS REGULATED UNDER THE MINING ACT OF 1971, OR IS A LANDFILL REGULATED BY THE DIVISION OF WASTE MANAGEMENT. IF THE LAND DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY ARE NOT CONDUCTED BY THE SAME PERSON, THEY SHALL BE CONSIDERED SEPARATE LAND-DISTURBING ACTIVITIES AND MUST BE PERMITTED EITHER THROUGH THE SEDIMENTATION POLLUTION CONTROL ACT AS A ONE-USE BORROW SITE OR THROUGH THE MINING ACT.
9. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT AN EROSION CONTROL PERMIT AND ANY OTHER RELATED PERMITS ARE SECURED FOR ANY OFF-SITE WASTE OR BORROW AREAS. UNLESS OTHERWISE STATED IN THE PROJECT DOCUMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SECURING APPLICABLE AGREEMENTS WITH LANDOWNERS FOR THE PLACEMENT OF WASTE SOIL OR REMOVAL OF BORROW. OFF-SITE PERMITS AND AGREEMENTS MUST EXIST PRIOR TO CONSTRUCTION ACTIVITIES ON WASTE OR BORROW AREAS. COPIES OF PERMITS AND AGREEMENTS MUST BE PROVIDED TO THE OWNER AND ENGINEER.
10. SOILS CONTAMINATED WITH ANY CHEMICAL, METAL OR PETROLEUM CONTAMINATION MUST NOT BE TRANSPORTED ONTO THE PROPERTY AS BORROW / FILL SOILS. CONTAMINATED SOILS, IF DISCOVERED ON THE PROPERTY MUST NOT BE TRANSPORTED OFFSITE WITHOUT TESTING, PERMITTING AND/OR OTHER REGULATORY APPROVALS COMMENSURATE WITH THE TYPE OF CONTAMINATION AND LOCATION.

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Signed by: Jaclyn Adriatico
NORTH CAROLINA REGISTERED PROFESSIONAL SEAL 056077 ENGINEER JACLYN ADRIATICO
4/30/2026

CONSTRUCTION PLANS
# LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

GENERAL NOTES

C0.01

FINAL DRAWING
FOR REVIEW PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

J:\25\0734-moseley lee county general services expansion\CAD\drawing sets\site plan\C0.01 GENERAL NOTES.dwg Wednesday, April 29, 2026 7:23:24 PM - JADRIATICO

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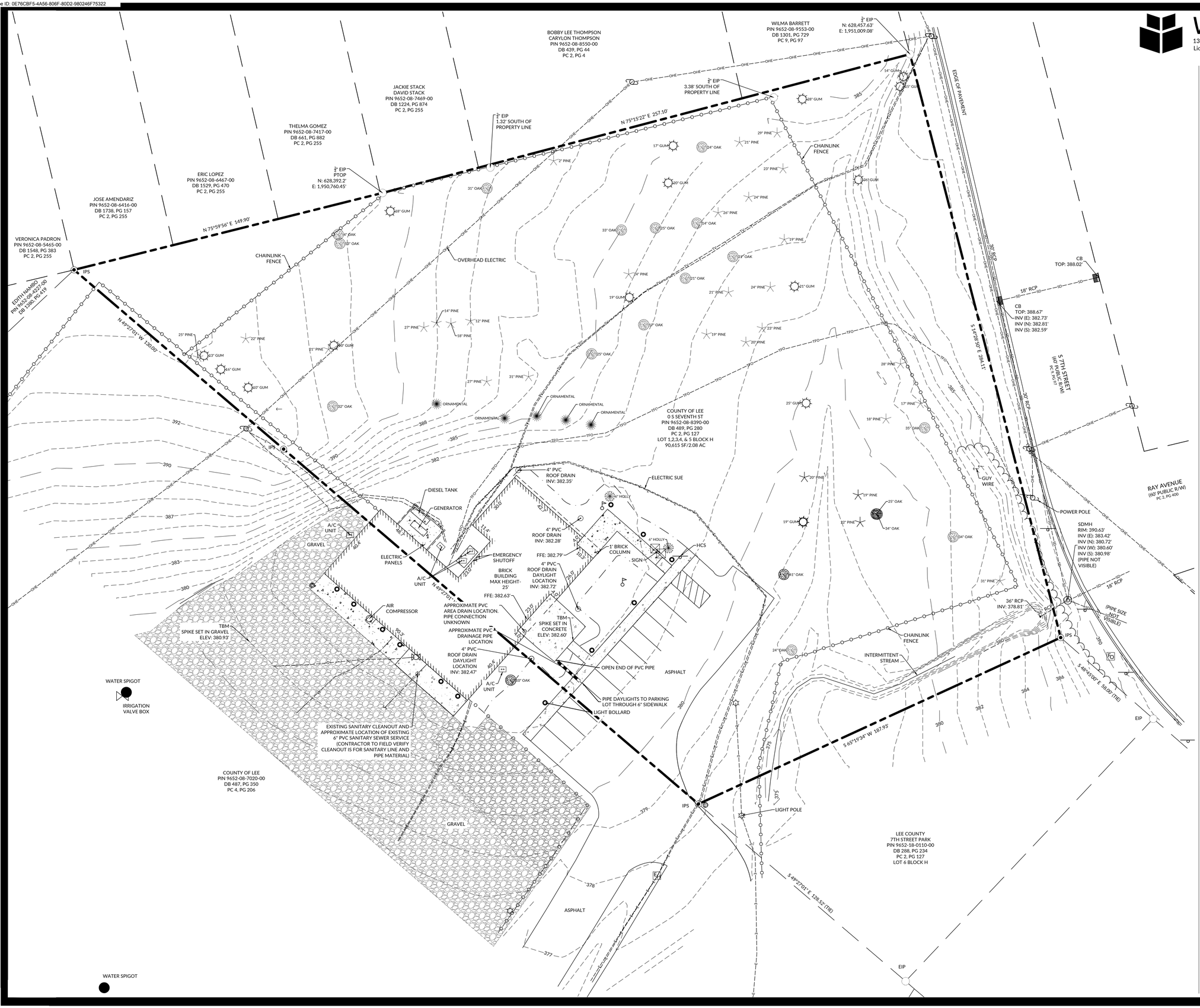


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## EXISTING CONDITIONS LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| 100 | EXISTING MAJOR CONTOUR |
| | EXISTING MINOR CONTOUR |
| | ADJOINER |
| | BOUNDARY |
| | BUILDING |
| | BUILDING OVERHANG |
| -O-O-O-O-O- | CHAINLINK FENCE |
| | EDGE OF PAVEMENT |
| | PAVEMENT STRIPING |
| | CONCRETE |
| | GRAVEL |
| -E- | ELECTRICAL LINE |
| -OHE- -OHE- | OVERHEAD ELECTRICAL LINE |
| -TV- | TELEVISION LINE |
| -TFO- | TELEPHONE FIBER OPTIC LINE |
| -SD- -SD- | STORM PIPE |
| | LANDSCAPING |
| | STREAM |
| | TREELINE |
| A/C | A/C UNIT |
| | AIR COMPRESSOR |
| | BOLLARD LIGHT |
| E/H | ELECTRICAL HANDHOLE |
| FO | FIBER OPTIC BOX |
| | GAS MARKER |
| | GAS STRUCTURE |
| | GUY WIRE |
| | LIGHT POLE |
| | POST |
| | POWER POLE |
| | ROOF DRAIN |
| | SIGN |
| | SIGN |
| D | STORM MANHOLE |

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Signed by: Jaclyn Adriatico
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 056077 JACLYN ADRIATICO
4/30/2026

CONSTRUCTION PLANS
# LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

SCALE: 1 inch = 20 ft.

**EXISTING CONDITIONS**

**C1.00**

FINAL DRAWING
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NOT RELEASED FOR CONSTRUCTION

J:\25\0734-moseley lee county general services expansion\CAD\drawing sets\clm plan\C1.00 OVERALL EXISTING CONDITIONS.dwg Wednesday, April 29, 2026 7:23:19 PM - JCROSKNO

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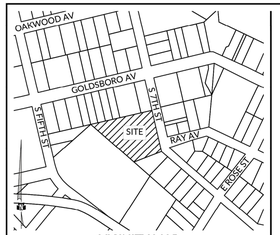


**VICINITY MAP**
NO SCALE

**GENERAL NOTES**

1. NO NGS MONUMENT FOUND WITHIN 2,000 FEET OF THE SITE.
2. THE FOLLOWING INFORMATION WAS USED TO OBTAIN NC GRID NAD 83 (2011), NAVD 88 (GEOID 18) STATE PLANE COORDINATES (SPC) FOR THIS PROJECT:
   - 2.1. CLASS OF SURVEY: URBAN LAND SURVEYS (CLASS A)
   - 2.2. POSITIONAL ACCURACY: 0.03' (H), 0.07' (V)
   - 2.3. DATE OF SURVEY: 1-08-2026
   - 2.4. DATUM/EPOCH: NAD 83 (2011), EPOCH 2010.00
   - 2.5. GEOID MODEL: GEOID 18
   - 2.6. COMBINED GRID FACTOR: 0.9998618835
   - 2.7. UNITS: U.S. SURVEY FEET
   - 2.8. GRID/GROUND POINT: Y(N) 628,457.63' X(E) 1,951,009.08'
3. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
4. ALL AREAS DERIVED BY THE COORDINATE COMPUTATION METHOD.
5. LINES NOT SURVEYED ARE SHOWN AS BROKEN LINES FROM INFORMATION REFERENCED ON THE FACE OF THIS PLAT.
6. SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA ACCORDING TO FLOOD INSURANCE RATE MAP 3710965200J, DATED SEPTEMBER 6, 2006. ZONE X.
7. LOCATION OF UTILITIES, WHETHER PUBLIC OR PRIVATE, IS BASED UPON FIELD LOCATION OF VISIBLE APPURTENANCES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. WITHERSRAVENEL CANNOT ASSUME RESPONSIBILITY FOR MISIDENTIFICATION OR OMISSION OF UNDERGROUND UTILITIES. LOCATION DATA IS NOT TO BE RELIED UPON FOR ACCURACY AND IS ONLY FOR APPROPRIATE USE BY A PLS OR PE, MAY BE USED BY A PE FOR PRELIMINARY PLANNING PURPOSES. ALL SUBSURFACE UTILITY ENGINEERING (SUE) WAS COMPLETE IN ACCORDANCE WITH THE ASCE 38-22 STANDARD.
8. CONTOUR INTERVALS = 1'.

N.C. GRID NORTH (NAD83 (2011))

**LINETYPE LEGEND (UNLESS OTHERWISE NOTED)**

ADJOINER
BACK OF CURB
BOUNDARY
BUILDING
CONCRETE
CREEK
EASEMENT
EDGE OF PAVEMENT
FENCE (CHAINLINK)
FENCE (WIRE)
FENCE (WOOD)
FIBER OPTIC
FORCE MAIN
GAS
GRAVEL
OVERHEAD ELECTRIC
NEUSE RIVER BUFFER
STORM DRAINAGE EASEMENT
TELEPHONE
TELEVISION
WATER
WETLAND

**SYMBOL LEGEND (UNLESS OTHERWISE NOTED)**

BLOWOFF VALVE
BOLLARD
CALCULATED POINT
CATCH BASIN — CB
CORNER NOT FOUND — CNF
DROP INLET
ELECTRIC METER
EXISTING IRON PIPE — EIP
FIBER OPTIC BOX
FIBER OPTIC MARKER
FLARED END SECTION — FES
GAS MARKER
GAS TEST STATION
GROUND LIGHT
GUY WIRE
IRON PIPE SET — IPS
LIGHT POLE
SPIGOT
TRANSFORMER

PROPANE TANK
POST
POWER POLE
SIGN
SEWER CLEANOUT
SANITARY SEWER MANHOLE — SSMH
SANITARY SEWER MARKER
STORM DRAIN MANHOLE — SDMH
STORM PIPE
TRAFFIC SIGNAL STRUCTURE
WATER METER
WATER VALVE
WETLAND FLAG
EXCEPTION NUMBER
CABLE STRUCTURE
ELECTRIC STRUCTURE
TELEPHONE HANDHOLE
TELEPHONE STRUCTURE
END OF INFORMATION — EOI

# C1.01 - BOUNDARY & TOPO SURVEY

SURVEYOR'S CERTIFICATE

I CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK 489 , PAGE 280; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION SHOWN ON THE FACE OF THE MAP; THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY IS 1:80,000+; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600).

THIS 21st DAY OF JANUARY A.D., 2026

PRELIMINARY PLAT
NOT FOR CONVEYANCE, RECORDATION, OR SALES

PROFESSIONAL LAND SURVEYOR
LICENSE NUMBER, L- 4390

SURVEYOR'S CERTIFICATE

I, BENJAMIN E. DAYTON , PLS, CERTIFY THAT THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS BOUNDARY & TOPOGRAPHIC SURVEY WAS PERFORMED AT THE 95 PERCENT CONFIDENCE LEVEL TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS FOR A TOPOGRAPHIC/PLANIMETRIC SURVEY TO THE ACCURACY OF CLASS A AND VERTICAL ACCURACY WHEN APPLICABLE TO THE CLASS A STANDARD, AND THAT THE ORIGINAL DATA WAS OBTAINED ON 1.7.2026 ; THAT THE SURVEY WAS COMPLETED ON 1/08/2026 ; THAT THE CONTOURS SHOWN AS BROKEN LINES MAY NOT MEET THE STATED STANDARD; AND ALL COORDINATES ARE BASED ON NAD 83 (2011) AND ALL ELEVATIONS ARE BASED ON NAVD88 .

THIS 21st DAY OF JANUARY A.D., 2026 .

PRELIMINARY PLAT
NOT FOR CONVEYANCE, RECORDATION, OR SALES

PROFESSIONAL LAND SURVEYOR
LICENSE NUMBER, L- 4390

**BOUNDARY & TOPOGRAPHIC SURVEY OF**
**COUNTY OF LEE**

**PREPARED FOR**
**COUNTY OF LEE**

0 SEVENTH STREET
SANFORD TOWNSHIP | LEE COUNTY | NORTH CAROLINA
P.I.N. 9652-08-8390
ZONING: OI

| | |
|---|---|
| WR Job No.: | 25-0734 |
| DATE: | 1/21/2026 |
| SURVEYED BY: | JS |
| DRAWN BY: | TA/AH |
| CHECK & CLOSURE BY: | BD |

0 15 30
SCALE: 1 inch = 30 ft.

SHEET: 1 OF 1

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J:\25\0734-Moseley Lee County General Services Expansion\Geomatics\Rev Cnsrt\Drawings\25-0734 Moseley.dwg, Monday, January 26, 2026 10:08:23 AM, AHOWDYOUTT

Docusign Envelope ID: 0E76CBF5-4A56-806F-80D2-980246F75322

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911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
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## DEMOLITION LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| LOD | LIMITS OF DISTURBANCE |
| | BOUNDARY |
| FENCE | FENCE TO BE REMOVED |
| | STRIPING TO BE REMOVED |
| | LANDSCAPING TO BE REMOVED |
| | GRAVEL TO BE REMOVED |
| | CONCRETE TO BE REMOVED |
| | FULL DEPTH ASPHALT TO BE REMOVED |
| | MILL & OVERLAY |
| X | TREE TO BE REMOVED |
| | BOLLARD LIGHT TO BE RELOCATED |
| SF/TP | PROPOSED SILT/TREE PROTECTION FENCE |
| SSF/TP | PROPOSED SUPER SILT/TREE PROTECTION FENCE |
| | PROPOSED SILT FENCE OUTLET |

Signed by: Jaclyn Adriatico
JACLYN ADRIATICO
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 056077
4/30/2026

CONSTRUCTION PLANS
# LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

REVISIONS

| DATE | DESCRIPTION |
|---|---|

SCALE: 1 inch = 20 ft.

## DEMOLITION PLAN

**C1.10**

FINAL DRAWING
FOR REVIEW PURPOSES ONLY
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J:\25\0734-moseley llc\county general services expansion\CAD\drawing set\site plan\C1.00 OVERALL DEMOLITION PLAN.dwg, Wednesday, April 29, 2026 7:34:09 PM, JCROCKHO

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## SITE LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | BOUNDARY |
| LOD | LIMITS OF DISTURBANCE |
| O — O — O — O — | CHAIN LINK FENCE |
| | ADA PATH |
| | BUILDING |
| | CONCRETE PAVING |
| | HEAVY DUTY ASPHALT PAVING |
| | MILL & OVERLAY |
| | GRAVEL |
| | LANDSCAPING BED |
| | WHEELSTOP |
| | ADA PARKING SPACE |
| | ACCESSIBLE PARKING SIGNAGE |

PROPOSED ADDITIONAL IMPERVIOUS AREA: 3,150 SF / 0.07 AC

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Signed by: Jaclyn Adriatico
NORTH CAROLINA PROFESSIONAL SEAL 056077 ENGINEER JACLYN ADRIATICO
4/30/2026

CONSTRUCTION PLANS
# LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

SCALE: 1 inch = 20 ft.

## SITE PLAN

C2.00

FINAL DRAWING
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j:\25\0734-moseley lee county general services expansion\CAD\drawing sets\site plan\C2.00 OVERALL SITE PLAN.dwg Wednesday, April 29, 2026 7:24:49 PM - JSOSOKO

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## UTILITIES LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| ——SS——SS—— | SANITARY SEWER LINE |
| ——W——W—— | WATER LINE |
| ● | SANITARY SEWER CLEANOUT |
| ⋈ | GATE VALVE |
| Ⓝ | BACKFLOW PREVENTER |

NOTE: THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING, AND SUBSEQUENTLY PROTECTING, PUBLIC PRIVATE UTILITIES (SHOWN OR NOT SHOWN) THAT LIE IN OR ADJACENT TO THE PROJECT SITE. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY DAMAGES WHICH MIGHT BE OCCASIONED TO THE UNDERGROUND UTILITIES. NOT ALL UTILITIES AND FACILITIES ARE NECESSARILY SHOWN. HAND DIGGING TO PROTECT UTILITIES FROM DAMAGE MAY BE REQUIRED.

Signed by: Jaclyn Adriatico
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 056077 JACLYN ADRIATICO
4/30/2026

CONSTRUCTION PLANS
# LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

SCALE: 1 inch = 20 ft.

## UTILITY PLAN

C3.00

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## GRADING, DRAINAGE, & ESC LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| 100 | EXISTING MAJOR CONTOUR |
| | EXISTING MINOR CONTOUR |
| 100 | PROPOSED MAJOR CONTOUR |
| | PROPOSED MINOR CONTOUR |
| TOC: XXX.XX | TOP OF CURB |
| EOP: XXX.XX | EDGE OF PAVEMENT |
| SF/TP | SILT FENCE/TREE PROTECTION FENCE |
| LOD | LIMITS OF DISTURBANCE |
| | SWALE |
| CD # | CHECK DAM |
| | SILT FENCE OUTLET |
| | ADS NYLOPLAST DRAIN |
| | PERFORATED STORM PIPE |
| | STORMWATER CLEANOUT |

LIMITS OF DISTURBANCE: 25,000 SF / 0.57 AC

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MOSELEYDESIGNS.COM

Signed by: Jaclyn Adriatico
NORTH CAROLINA PROFESSIONAL SEAL 056077 ENGINEER JACLYN ADRIATICO
4/30/2026

CONSTRUCTION PLANS
# LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

SCALE: 1 inch = 20 ft

GRADING, DRAINAGE, & ESC PLAN

**C5.00**

FINAL DRAWING
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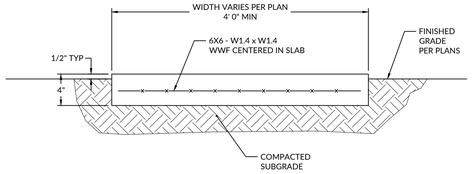
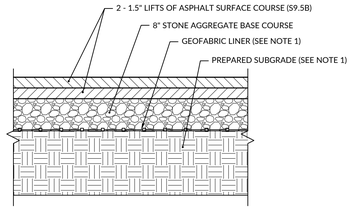


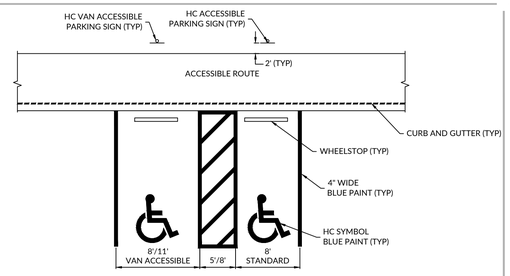

NOTES:
1. SIDEWALK SHALL BE 3,000 PSI CONCRETE (AIR ENTRAINED)
2. PLACE CONTRACTION JOINTS (1" DEEP WITH ⅛" RADII) SPACED AT 5' O.C.
3. PLACE EXPANSION JOINTS (½") AT 20' O.C. MAXIMUM AND BETWEEN WALK AND STRUCTURES, CURBS, AND FACE OF BUILDING
4. COMPACTED SUBGRADE SHALL BE MINIMUM 95% PROCTOR DENSITY PER ASTM D698.

SIDEWALK DETAIL — MISC - GENERAL
Scale:NTS — C2030




NOTES:
1. SEE GEOTECHNICAL ENGINEER'S REPORT FOR GEOFABRIC LINER REQUIREMENTS, COMPACTION AND PLACEMENT SPECIFICATIONS

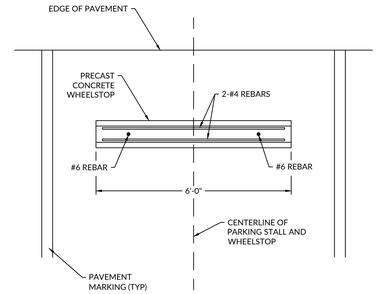
TYPICAL HEAVY-DUTY ASPHALT PAVEMENT SECTION — STREETS AND PARKING AREAS
Scale:NTS — C3024

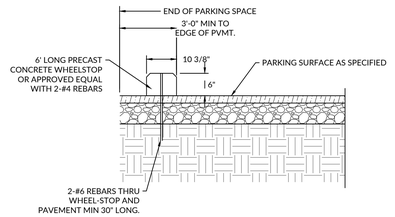



ACCESSIBLE PARKING WITH VAN SPACE

NOTES:
1. SPACE LENGTH AND WIDTH SHALL BE AS SHOWN ON THE PLAN. THE PROVIDED DIMENSIONS ARE MINIMUM REQUIREMENTS.

ACCESSIBLE PARKING SPACE — STREETS AND PARKING AREAS
Scale:NTS — C3031




CONCRETE WHEELSTOP — STREETS AND PARKING AREAS
Scale:NTS — C3051

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Signed by: Jaclyn Adriatico
NORTH CAROLINA PROFESSIONAL SEAL 056077 ENGINEER JACLYN A. ADRIATICO
4/30/2026

CONSTRUCTION PLANS
LEE COUNTY
GENERAL SERVICES
BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

SITE DETAILS

C9.01

FINAL DRAWING
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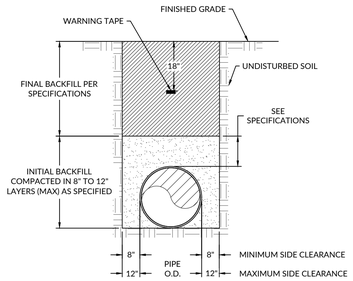
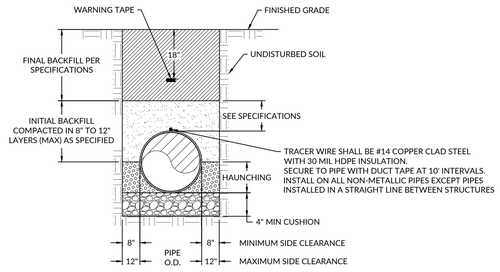


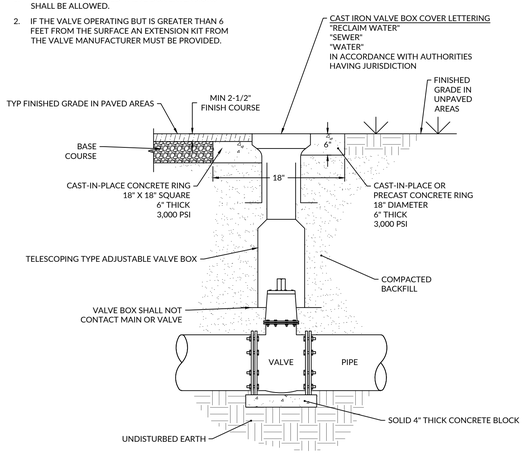

BEDDING REQUIRED FOR DIP



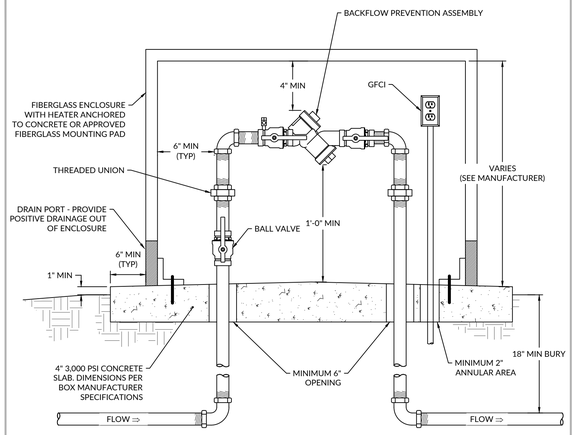

BEDDING REQUIRED FOR PVC

PIPE TRENCH FOR PVC AND DIP — UTILITY TRENCHES
Scale:NTS — C5001

NOTES:
1. ONLY MANUFACTURED VALVE BOX EXTENSIONS SHALL BE ALLOWED.
2. IF THE VALVE OPERATING BUT IS GREATER THAN 6 FEET FROM THE SURFACE AN EXTENSION KIT FROM THE VALVE MANUFACTURER MUST BE PROVIDED.

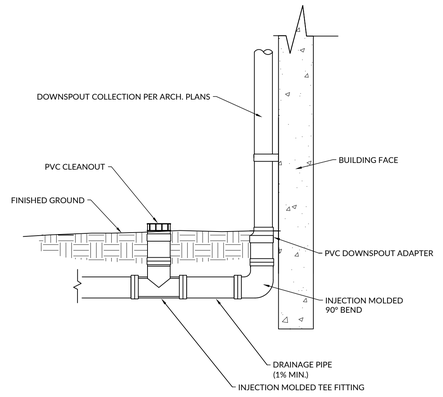



GATE VALVE AND VALVE BOX — MISC - UTILITIES
Scale:NTS — C2501



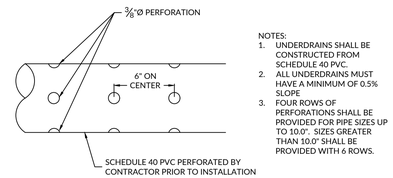

NOTES:
1. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511.
2. DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510.
3. BACKFLOW PREVENTION ASSEMBLY WITH ISOLATION VALVE SHALL BE INSTALLED WITHIN 5 FEET OF THE METER BOX.
4. BACKFLOW PREVENTION ASSEMBLY SHALL BE CENTERED ON CONCRETE OR APPROVED FIBERGLASS MOUNTING PAD AND CENTERED WITHIN ENCLOSURE.
5. MINIMUM INSULATED CLASS I OR CLASS II, ASSE 1060 WEATHER PROOF ENCLOSURE REQUIRED (HEATING OPTIONAL).
6. OPTIONAL 120V GFCI ELECTRICAL RECEPTACLE TO BE INSTALLED IN ACCORDANCE WITH THE N.C. ELECTRICAL CODE FOR OUTDOOR OPERATION.
7. PIPE MATERIAL SHALL BE PVC (SCH80 OR BETTER), COPPER (TYPE K), OR 'NO LEAD' BRASS (UNS C89833 PER ASTM B584).
8. INSTALLATION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL ORDINANCES AND SPECIFICATIONS IN ADDITION TO THE N.C. PLUMBING CODE.
9. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AND OPERATION OF BACKFLOW ASSEMBLY AND COMPLIANCE WITH REPORTING AND TESTING REQUIREMENTS.
10. ALL BRASS COMPENENTS SHALL BE 'NO LEAD' BRASS MEETING UNS C89833 AS PER ASTM B584.
11. BACKFLOW ASSEMBLY SHALL BE INSTALLED IN THE HORIZONTAL POSITION.

BACKFLOW PREVENTION ASSEMBLY — WATER DISTRIBUTION
Scale:NTS — C6061




NOTES:
1. ALL DRAINAGE PIPES FROM DOWN SPOUTS SHALL BE 6" MINIMUM DIAMETER AND SLOPED AT A MINIMUM OF 1%, UNLESS OTHERWISE NOTED.
2. ALL DRAINAGE PIPES SHALL BE SCHEDULE 40 PVC, UNLESS OTHERWISE NOTED.
3. CLEANOUTS IN PAVED AREAS SHALL BE IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION.
4. DOWN SPOUT COLLECTION LOCATIONS ARE SUBJECT TO MODIFICATIONS PER THE ARCHITECT AND MAY BE ADJUSTED IN THE FIELD IN COORDINATION WITH THE ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.
5. CONNECTION TYPES AND DEPTHS RELATING TO BUILDING/FOOTERS MUST BE COORDINATED WITH ARCHITECT.

ROOF DRAIN CONNECTION — DRAINAGE MISC
Scale:NTS — C8012




NOTES:
1. UNDERDRAINS SHALL BE CONSTRUCTED FROM SCHEDULE 40 PVC.
2. ALL UNDERDRAINS MUST HAVE A MINIMUM OF 0.5% SLOPE
3. FOUR ROWS OF PERFORATIONS SHALL BE PROVIDED FOR PIPE SIZES UP TO 10.0". SIZES GREATER THAN 10.0" SHALL BE PROVIDED WITH 6 ROWS.

PERFORATED UNDERDRAIN — DRAINAGE MISC
Scale:NTS — C8020

Signed by: Jaclyn Adriatico
NORTH CAROLINA PROFESSIONAL SEAL 056077 ENGINEER JACLYN ADRIATICO
4/30/2026

CONSTRUCTION PLANS
LEE COUNTY
GENERAL SERVICES
BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

UTILITY & STORM DETAILS

C9.02

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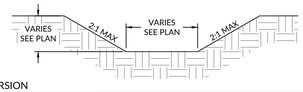
NOTES:

1. PERMANENT DIVERSIONS CAN BE INSTALLED AS TEMPORARY DIVERSIONS UNTIL THE SITE IS STABILIZED AND THEN COMPLETED AS A PERMANENT MEASURE, OR THEY CAN BE INSTALLED IN FINAL FORM DURING THE INITIAL CONSTRUCTION OPERATION, SO LONG AS THEY FUNCTION PROPERLY AND MEET ALL TEMPORARY MEASURE STANDARDS.
2. REMOVE AND PROPERLY DISPOSE OF ALL TREES, BRUSH, STUMPS, OR OTHER OBJECTIONABLE MATERIAL. FILL AND COMPACT ALL DITCHES, SWALES, OR GULLIES THAT WILL BE CROSSED TO NATURAL GROUND LEVEL OR ABOVE.
3. EXCAVATE, SHAPE, AND STABILIZE THE DIVERSION TO LINE, GRADE, AND CROSS SECTION, AS REQUIRED IN THE DESIGN PLAN.
4. STABILIZE THE DIVERSION WITH PERMANENT VEGETATION AFTER INSTALLATION

MAINTENANCE NOTES:

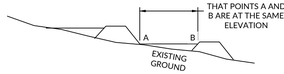
1. INSPECT PERMANENT DIVERSIONS AT LEAST WEEKLY AND AFTER EACH RAINFALL OF 1.0 INCH OR GREATER.
2. IMMEDIATELY REMOVE ANY OBSTRUCTIONS FROM THE FLOW AREA, AND REPAIR THE DIVERSION RIDGE.
3. CHECK OUTLETS, AND MAKE TIMELY REPAIRS AS NEEDED.
4. MAINTAIN THE VEGETATION IN A VIGOROUS, HEALTHY CONDITION AT ALL TIMES.



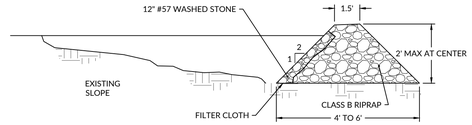

PERMANENT DIVERSION — EROSION CONTROL
Scale:NTS — C4020

MAINTENANCE NOTES:

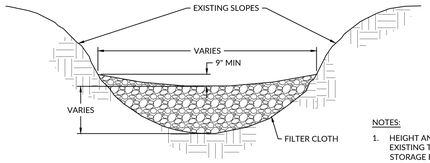
1. INSPECT CHECK DAMS AND CHANNELS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2" OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. CLEAN OUT SEDIMENT, STRAW, LIMBS, OR OTHER DEBRIS THAT COULD CLOG THE CHANNEL WHEN NEEDED.
2. ANTICIPATE SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND EROSION FROM HIGH FLOWS AROUND THE EDGES OF THE DAM. CORRECT ALL DAMAGE IMMEDIATELY. IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, ADDITIONAL MEASURES CAN BE TAKEN SUCH AS, INSTALLING A PROTECTIVE RIPRAP LINER IN THAT PORTION OF THE CHANNEL.
3. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION. ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. ADD STONES TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND SECTION.




STEP SEQUENCE




SECTION

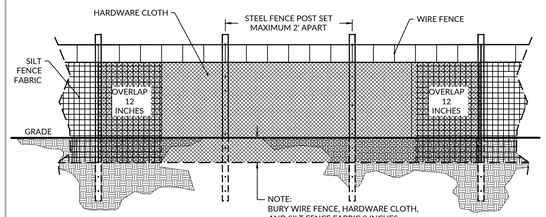



PLAN

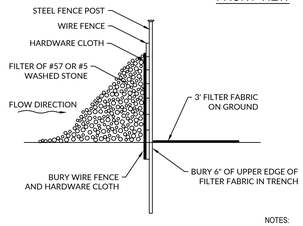
NOTES:

1. HEIGHT AND WIDTH DETERMINED BY EXISTING TOPOGRAPHY AND SEDIMENT STORAGE REQUIRED.
2. KEY RIPRAP INTO THE DAM FOR STABILIZATION.

STONE CHECK DAM — EROSION CONTROL
Scale:NTS — C4082




FRONT VIEW




SECTION VIEW

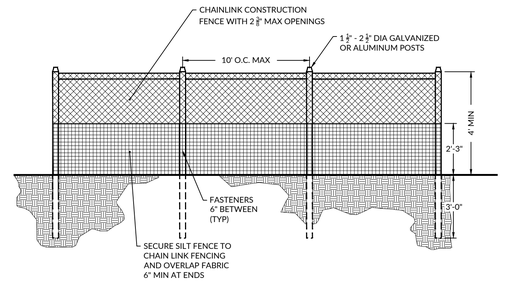
NOTES:

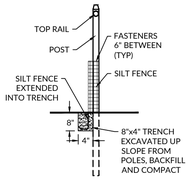
1. HARDWARE CLOTH AND GRAVEL SHOULD OVERLAY THE SILT FENCE AT LEAST 12 INCHES.
2. STONE OUTLETS SHOULD BE PLACED ON LOW ELEVATION AREAS OF SILT FENCE AND BASED ON FIELD CONDITIONS.

MAINTENANCE:

1. PER NCG-01, INSPECT OUTLET AT LEAST ONCE A WEEK AND AFTER EACH 1 INCH OR GREATER RAINFALL EVENT. COMPLETE ANY REQUIRED REPAIRS IMMEDIATELY. FRESHEN STONE WHEN SEDIMENT ACCUMULATION EXCEEDS 6 INCHES. KEEP MESH FREE OF DEBRIS TO PROVIDE ADEQUATE FLOW.
2. REMOVE SEDIMENT WHEN HALF OF STONE OUTLET IS COVERED.
3. REPLACE STONE AS NEEDED TO FACILITATE DE-WATERING.

SILT FENCE OUTLET — EROSION CONTROL
Scale:NTS — C4062




GENERAL NOTES:

1. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS MUST BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BYPASS.
2. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
3. WASHED STONE (#5 OR #57) MUST BE USED IN THE SILT FENCE TRENCH AND COMPACTED.
4. DO NOT INSTALL SUPER SILT FENCE ACROSS STREAMS, DITCHES, WATERWAYS, OR OTHER AREAS OF CONCENTRATED FLOW.

MAINTENANCE NOTES:

1. FILTER BARRIERS MUST BE INSPECTED BY THE CONTRACTOR AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS MUST BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC MUST BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHTS OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER SILT FENCE IS REMOVED MUST BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

SUPER SILT FENCE — EROSION CONTROL
Scale:NTS — C4069

DATE:

PAGE:

NON-INVASIVE PERMANENT SEEDING RECOMMENDATIONS FOR LATE WINTER AND EARLY SPRING

**SEEDING MIXTURE**

| Species | Rate |
|---|---|
| Centipede | 5 lbs/acre |
| Indian Woodoats | 1.5-2.5 lbs/acre* |
| Virginia Wild Rye | 4-6 lbs/acre |

*Depending upon mix with other species. See table 6.11.d from Chapter 6 of the NC Erosion and Sediment Control Planning and Design Manual.

**Seeding Dates**
Coastal or Eastern Piedmont for Centipede- Sept. 1 - May 1
Coastal and Piedmont for Indian Woodoats and Virginia Wild Rye- Feb 15 - April 1
Mountains for Indian Woodoats and Virginia Wild Rye- March 1 - May 15

**Maintenance:**
Significant maintenance may be required to obtain desired cover.

NON-INVASIVE PERMANENT SEEDING RECOMMENDATIONS FOR SUMMER

**SEEDING MIXTURE**

| Species | Rate |
|---|---|
| Indian Woodoats | 1.5-2.5 lbs/acre* |
| Virginia Wild Rye | 4-6 lbs/acre* |

*Depending upon mix with other species. See table 6.11.d from Chapter 6 of the NC Erosion and Sediment Control Planning and Design Manual.

**Seeding Dates**
Mountains - July 15- Aug 15
Piedmont - Aug 15 - Oct 15

**Maintenance:**
Indian Woodoats and Virginia Wild Rye are both sun and shade tolerant.

NON-INVASIVE PERMANENT SEEDING RECOMMENDATIONS FOR FALL

**SEEDING MIXTURE**

| Species | Rate |
|---|---|
| Hard Fescue | 15 lbs/acre |
| Switchgrass | 2.5-3.5 lbs/acre* |
| Indian Grass | 5-7 lbs/acre* |
| Big Bluestem | 5-7 lbs/acre* |
| Indian Woodoats | 1.5-2.5 lbs/acre* |
| Virginia Wild Rye | 4-6 lbs/acre* |

*Depending upon mix with other species. See table 6.11.d from Chapter 6 of the NC Erosion and Sediment Control Planning and Design Manual.

**Seeding Dates**
Mountains - Hard Fescue- Aug 1 - June 1
Mountains- Switchgrass, Indian Grass, Big Bluestem- Dec 1 - April 15
Piedmont and Coastal- Switchgrass, Indian Grass, Big Bluestem- Dec 1 - April 1
Coastal- Indian Woodoats and Virginia Wild Rye- Sept 1 - Nov 1

**Maintenance:**
Hard Fescue is not recommended for slopes > 5%. Prefers shade.

**SEED BED PREPARATION:**

LIMING- Apply lime according to soil test recommendations. If the pH (acidity) of the soil is not known, an application of ground agricultural limestone at the rate of 1 to 1 ½ tons/acre on coarse0textured soils and 2-3 tons/acre on fine-textured soils is usually sufficient. Apply limestone uniformly and incorporate into the top 4-6 inches of soil. Soils with a pH of 6 or higher need not be limed.

FERTILIZER- Base application rates on soil tests. When these are not possible, apply a 10-10-10 grade fertilizer at 700-1,000 lb/acre. Both fertilizer and lime should be incorporated into the top 4-6 inches of soil. If a hydraulic seeder is used, do not mix seed and fertilizer more than 30 minutes before application.

SURFACE ROUGHENING- If recent tillage operations have resulted in a loose surface additional roughening may not be required, except to break up large clods. If rainfall causes the surface to become sealed or crusted, loosen it just prior to seeding by raking, harrowing, or other suitable methods for fine grading. the finished grade shall be a smooth even soil surface with a loosen uniformly fine texture. all ridges and depressions shall be removed and filled to provide the approved surface drainage . Planting is to be done immediately after finished grades are obtained and seedbed preparation is completed.

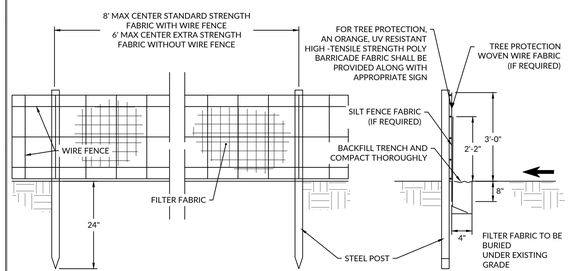
NOTES:

1. Permanent seeding, sodding or other means of stabilization are required when all construction work is completed according to the NPDES timeframes table.
2. A North Carolina Department of Agriculture soils test (or equal) is highly recommended to be obtained for all areas to be seeded, sprigged, sodded or planted.
3. Use a seeding mix that will produce fast0growing nurse crops and includes non-invasive species that will eventually provide a permanent groundcover. Soil blankets may be used in lieu of nurse crops. Mat, tack or crimp mulch, as needed to stabilize seeded areas until root establishment. Mulch must cover at leaser 80% of the soil surface.
4. Ground cover shall be maintained until permanent vegetation is established and stable against accelerated erosion.

NORTH CAROLINA Department of Environmental Quality

# PERMANENT SEEDING

Effective Date: 9/1/2023
In accordance with the 2013 Design Manual Updates




MAINTENANCE NOTES:

1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

SILT FENCE/TREE PROTECTION FENCE — EROSION CONTROL
Scale:NTS — C4064

Signed by: Jaclyn Adriatico
NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT
SEAL 056077
JACLYN ADRIATICO
4/30/2026

CONSTRUCTION PLANS
LEE COUNTY
GENERAL SERVICES
BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

EROSION CONTROL DETAILS

C9.03

FINAL DRAWING
FOR REVIEW PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

J:\25\0734-moseley lee county general services expansion\CAD\drawing sets\site plan\C9.08 DETAILS.dwg Wednesday, April 29, 2026 7:27:15 PM - JORDAN

## PLANT SCHEDULE

| SYMBOL | CODE | BOTANICAL / COMMON NAME |
|---|---|---|
| **LARGE TREES** | | |
| | LIR TUL | Liriodendron tulipifera<br>Tulip Poplar |
| | MAG GRA | Magnolia grandiflora<br>Southern Magnolia |
| | QUE ALB | Quercus alba<br>White Oak |
| | QUE LYR | Quercus lyrata<br>Overcup Oak |
| | QUE PHE | Quercus phellos<br>Willow Oak |
| **SMALL TREES** | | |
| | AME ARB | Amelanchier arborea<br>Downy Serviceberry |
| | CER CAN | Cercis canadensis<br>Eastern Redbud |
| | CHI VIR | Chionanthus virginicus<br>White Fringetree |
| **SHRUBS** | | |
| | MOR CER | Morella cerifera<br>Wax Myrtle |

NOTES:

1. PLANT MATERIAL SHALL BE SELECTED FROM CITY OF SANFORD UDO APPENDIX C. ACCEPTABLE PLANT SPECIES SHALL MEET THE MINIMUM REQUIREMENTS THEREIN.
2. DEFINITIONS FOR GENERIC PLANT MATERIAL ARE DEFINED ON THIS SHEET.
3. THE CONTRACTOR SHALL FIELD LOCATE THE EXISTING BOUNDARY LINE AND SET THE BUFFER PLANTINGS ACCORDINGLY.
4. THE CONTRACTOR SHALL SET PLANTINGS IN SUCH A MANNER AS TO AVOID EXISTING ESTABLISHED VEGETATION.
5. ALL HOTBOXES AND OTHER ON GROUND / FREE STANDING MECHANICAL EQUIPMENT SHALL BE SCREENED WITH VEGETATION PRIOR TO FINAL ACCEPTANCE.
6. THE CONTRACTOR MUST TAKE PROPER PRECAUTIONS NOT TO DAMAGE EXISTING PLANTS, FACILITIES AND STRUCTURES THAT ARE TO REMAIN. THE CONTRACTOR WILL RESTORE DISTURBED AREAS TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND OWNER.
7. UTILITIES SHOWN ON THE LANDSCAPE DRAWINGS ARE FOR REFERENCE ONLY. SEE UTILITY DRAWINGS FOR EXISTING AND PROPOSED UTILITY LOCATIONS. SEE UTILITY NOTES FOR ADDITIONAL INFORMATION.
8. NO CHANGES TO ANY ASPECT OF THE APPROVED PLAN, INCLUDING BUT NOT LIMITED TO LANDSCAPING, GRADING, BUILDING ELEVATIONS, LIGHTING, OR UTILITIES WILL BE MADE WITHOUT THE APPROVAL OF THE GOVERNING MUNICIPALITY, ENGINEER, LANDSCAPE ARCHITECT AND OWNER.
9. PLANTS PROVIDED BY THE CONTRACTOR MUST MEET OR SURPASS THE SPECIFICATIONS GIVEN IN THE PLANT TABLE AND CONFORM TO THE AMERICAN STANDARD OF NURSERY STOCK, ANSI Z601-1973 IN REGARD TO SIZING, GROWING AND BALLED AND BURLAPPED (B&B) SPECIFICATIONS. PLANTS MUST BE FULL AND HEAVY, AND IN HEALTHY CONDITION AT THE TIME OF PLANTING. LANDSCAPE ARCHITECT WILL REJECT ANY PLANT NOT MEETING THESE GUIDELINES. REJECTED PLANTS WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR MUST PROVIDE A ONE-YEAR MINIMUM WARRANTY FOR PLANTS, INCLUDING LABOR AND MATERIALS. THE WARRANTY PERIOD WILL BEGIN UPON FINAL ACCEPTANCE.
11. PLANTING MUST FOLLOW NCDOT STANDARD SPECIFICATIONS AS OUTLINED IN SECTION 1670. PLANTING SEASON IS OCTOBER 15 - MARCH 15, UNLESS OTHERWISE NOTED OR APPROVED BY NCDOT ENGINEER.
12. PLANTING MUST BE INSTALLED DURING THE IDEAL SEASON BASED ON THE TYPE OF PLANT.
13. PLANTS THAT ARE UNABLE TO BE IMMEDIATELY PLANTED MUST BE STORED IN A PROTECTED AREA OUT OF DIRECT SUN AND WIND. PLANTS MUST BE EVENLY AND CONSISTENTLY WATERED, AS NEEDED, TO PREVENT DRYING OF ROOTS. ROOT BALLS OF B&B STOCK MUST BE COVERED WITH AT LEAST 4 INCHES OF HARDWOOD MULCH TO MAINTAIN MOISTURE IN ROOTS.
14. THE CONTRACTOR WILL VERIFY PLANT QUANTITIES SHOWN ON PLANS AND CLARIFY ANY DISCREPANCIES WITH LANDSCAPE ARCHITECT PRIOR TO PURCHASING PLANTS. THE CONTRACTOR MUST TAG APPLICABLE TREES (AS DESIGNATED IN THE MASTER PLANT LIST) AT THE NURSERY FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASING PLANTS.
15. THE LANDSCAPE ARCHITECT MUST BE NOTIFIED IN WRITING OF ANY PROPOSED PLANT SUBSTITUTIONS BY THE CONTRACTOR. NO SUBSTITUTIONS WILL BE MADE UNDER ANY CIRCUMSTANCES WITHOUT PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE.
16. PLANTS AND PLANTING BEDS ARE TO BE LOCATED BY SCALED DIMENSIONS FROM BUILDINGS, CURBS, PAVEMENTS, ETC. SPECIFIC ATTENTION MUST BE GIVEN TO ENSURE THAT PLANTS INDIVIDUALLY SHOWN ON THE PLAN ARE ACCURATELY LOCATED. LOCATION OF PLANTS WILL BE REVIEWED IN THE FIELD BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR MUST PROVIDE 48 HOURS NOTICE FOR REVIEW.
17. EXISTING SIGNIFICANT VEGETATION THAT IS PRESERVED WITHIN ANY REQUIRED BUFFER YARD WILL BE CREDITED TOWARD STANDARDS FOR THE TYPE OF BUFFER REQUIRED AT THE TIME OF MUNICIPAL APPROVALS. IF EXISTING VEGETATION DOES NOT FULLY MEET THE STANDARDS FOR THE TYPE OF BUFFER REQUIRED, SUPPLEMENTAL VEGETATION AND/OR SITE FEATURES (INCLUDING FENCES) WILL BE PLANTED OR INSTALLED WITHIN THE REQUIRED BUFFER AREA TO MEET MINIMUM STANDARDS.
18. LANDSCAPE AREAS ARE TO BE GRADED FOR POSITIVE DRAINAGE AND TO ENSURE NO STANDING WATER. SEE GRADING PLAN FOR SPECIFIC GRADING INFORMATION. CONTRACTOR MUST NOTIFY LANDSCAPE ARCHITECT AND/OR ENGINEER OF ANY GRADING DISCREPANCIES OR CONCERNS.
19. PLANTING BEDS ARE TO BE COVERED WITH MULCH TO A MINIMUM DEPTH OF 2-3 INCHES, UNLESS INDICATED OTHERWISE. MULCH MUST BE AS SELECTED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR MUST SUBMIT A SAMPLE FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND DELIVERY TO PROJECT SITE.
20. FINISH OFF 2-4 FOOT CLEAR ZONE AROUND TREES WITH A 2-3-INCH LAYER OF MULCH, BUT DO NOT PLACE UP AGAINST OR MOUND AROUND THE ROOT FLARE.
21. TREES ADJACENT TO PEDESTRIAN WALKWAYS AND IN SIGHT TRIANGLES MUST BE UNDER-TRIMMED SUFFICIENTLY TO ALLOW CLEAR SIGHT AND PEDESTRIAN ACCESS UP TO 6 FEET ABOVE SIDEWALK ELEVATION. PRUNING MUST BE PERFORMED BY A CERTIFIED ARBORIST AND ADHERE TO THE ANSI A300 PRUNING STANDARD. PRUNING CUTS ARE TO BE DELIBERATE AND TARGETED ONLY TO THE NECESSARY BRANCHES IN ORDER TO SATISFY SIGHT AND CLEARANCE REQUIREMENTS WHILE MAINTAINING THE INTEGRITY OF THE TREES.
22. THE SITE MUST BE STABILIZED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY (CO).
23. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING PLANTING (INCLUDING, BUT NOT LIMITED TO WATERING, MULCHING, SPRAYING, FERTILIZING, ETC.) OF THE PLANTING AREAS UNTIL FINAL ACCEPTANCE.
24. ANY PLANT WHICH DIES, TURNS BROWN OR DEFOLIATES PRIOR TO FINAL ACCEPTANCE OF THE WORK MUST BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, IN ACCORDANCE WITH THE APPROPRIATE PLANTING SEASON; QUANTITY AND SIZE TO MEET PLAN SPECIFICATIONS.

**FINAL DRAWING**
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MOSELEYARCHITECTS
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
MOSELEYDESIGNS.COM


CONSTRUCTION PLANS
# LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

SCALE: 1 inch = 30 ft.

**OVERALL LANDSCAPE PLAN**

**L2.00**


J:\25\0734-moseley lee county general services expansion\CAD\drawing sets\site plan\L2.00 OVERALL LANDSCAPE PLAN.dwg, Friday, May 1, 2026 9:58:13 AM, ABLACK

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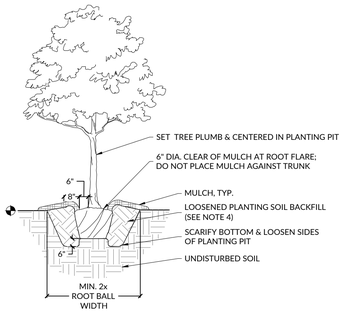
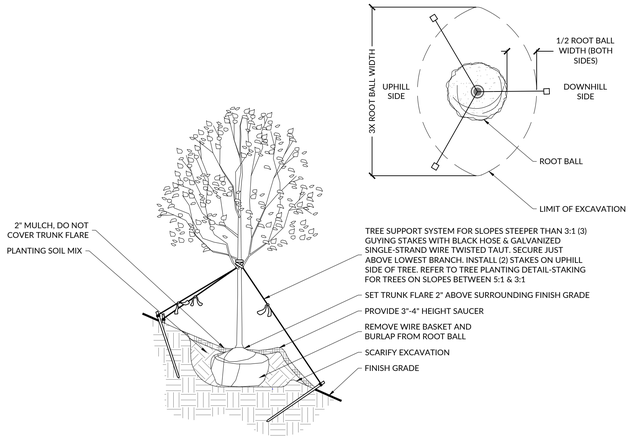


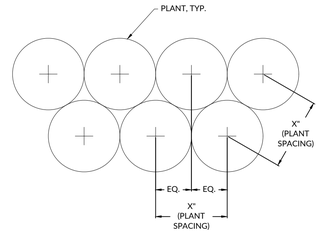

NOTES:

1. FOR CONTAINER PLANTS, REMOVE CONTAINER & SCARIFY ROOT MASS PRIOR TO PLANTING.
2. FOR B&B PLANTS, COMPLETELY REMOVE WIRE BASKET AND BURLAP MATERIAL; REMOVE ALL TWINE, ROPE,BURLAP, AND WIRE FROM ROOT BALL.
3. SET ROOT BALL ON UNDISTURBED STABLE SUBSOIL SO THAT TOP OF ROOT BALL IS 2-3" ABOVE FINISHED GRADE. TAMP SOIL FIRMLY AROUND BOTTOM OF ROOT BALL TO SET TREE PLUMB.
4. DIG & TURN PLANTING SOIL TO REDUCE COMPACTION. LIGHTLY TAMP SOIL AROUND ROOT BALL IN 6" LIFTS TO BRACE THE TREE. DO NOT OVER-COMPACT. MIX COMPOST INTO EACH LIFT OF BACKFILL AS RECOMMENDED IN SOIL REPORT. POUR WATER AROUND ROOT BALL TO SETTLE SOIL, AND BACKFILL AS REQUIRED TO MEET REQUIRED FINISHED GRADE.
5. A 3" HIGH x 8" WIDE BERM SHALL BE MADE AROUND THE ROOT BALL EDGE.
6. PRUNE TREES ONLY AS NEEDED TO REMOVE DEAD OR BROKEN BRANCHES.
7. TREES IN WINDY LOCATIONS OR ON STEEP SLOPES ARE TO BE ANCHORED PER DIRECTION FROM LANDSCAPE ARCHITECT.

01 TREE PLANTING — SECTION
SCALE: 1/4" = 1'-0"



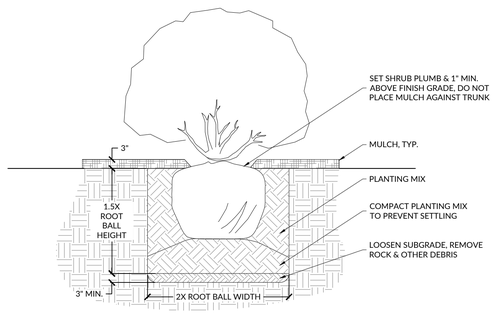

02 TREE PLANTING ON SLOPE — SECTION
SCALE: 3/8" = 1'-0"




NOTES:

1. REFER TO PLANT SCHEDULE FOR SPACING REQUIREMENTS FOR EACH SPECIES.
2. PLANTS SHALL BE INSTALLED IN STRAIGHT AND PARALLEL ROWS FOLLOWING THIS PATTERN UNLESS OTHERWISE SHOWN ON DRAWINGS.

03 SHRUB SPACING — PLAN
SCALE: 1/2" = 1'-0"




NOTES:

1. FOR CONTAINER PLANTS, SPLIT THE ROOT BALL WITH 4 EQUALLY SPACED VERTICAL CUTS & SCARIFY ROOT MASS PRIOR TO PLANTING.
2. FOR B&B PLANTS, REMOVE ALL TWINE, ROPE, WIRE, AND BURLAP FROM ROOT BALL.
3. A 3" HIGH x 8" WIDE BERM SHALL BE MADE AROUND THE ROOT BALL EDGE.
4. PLANTING AREAS WITH MULTIPLE SHRUBS ARE TO BE SIZED SO THAT THE OUTER EDGE OF PLANTING SOIL IS 8" MIN. FROM THE NEAREST SHRUB.
5. SHRUBS ARE TO BE LOCATED SUCH THAT MATURE CANOPY IS 5' MIN. FROM FIRE HYDRANTS AND 24" MIN. FROM CURB LINE.
6. SHRUBS ARE TO BE LOCATED WITH TRIANGULAR SPACING (SEE DETAIL) UNLESS OTHERWISE SHOWN ON THE PLANS.
7. PRUNE SHRUBS ONLY AS NEEDED TO REMOVE DEAD OR BROKEN BRANCHES.

04 SHRUB PLANTING — SECTION
SCALE: 1/2" = 1'-0"

## PLANT SCHEDULE

| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | SIZE | ROOT | HEIGHT | MATURE HT |
|---|---|---|---|---|---|---|---|---|
| LARGE TREES | | | | | | | | |
| | LIR TUL | 3 | Liriodendron tulipifera | Tulip Poplar | 2" CAL. MIN. | B&B OR CONT. | 10' HT MIN. | 30' MIN. |
| | MAG GRA | 3 | Magnolia grandiflora | Southern Magnolia | 2" CAL. MIN. | B&B OR CONT. | 10' HT MIN. | 30' MIN. |
| | QUE ALB | 4 | Quercus alba | White Oak | 2" CAL. MIN. | B&B OR CONT. | 10' HT MIN. | 30' MIN. |
| | QUE LYR | 3 | Quercus lyrata | Overcup Oak | 2" CAL. MIN. | B&B OR CONT. | 10' HT MIN. | 30' MIN. |
| | QUE PHE | 3 | Quercus phellos | Willow Oak | 2" CAL. MIN. | B&B OR CONT. | 10' HT MIN. | 30' MIN. |
| SMALL TREES | | | | | | | | |
| | AME ARB | 3 | Amelanchier arborea | Downy Serviceberry | 1.5" CAL. MIN. | B&B OR CONT. | 8' HT MIN | 10 - 30' |
| | CER CAN | 3 | Cercis canadensis | Eastern Redbud | 1.5" CAL. MIN. | B&B OR CONT. | 8' HT MIN | 10 - 30' |
| | CHI VIR | 2 | Chionanthus virginicus | White Fringetree | 1.5" CAL. MIN. | B&B OR CONT. | 8' HT MIN | 10 - 30' |

| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | SIZE | CONTAINER | HEIGHT | MATURE HT | SPACING |
|---|---|---|---|---|---|---|---|---|---|
| SHRUBS | | | | | | | | | |
| | MOR CER | 6 | Morella cerifera | Wax Myrtle | 3 GAL. MIN. | CONT. | 36" MIN. | 8' MIN. | 8' O.C. MIN. |

**15' TYPE B BUFFER (LENGTH: 355 LF)**

Requirements:
*15' minimum buffer width*
*1 Large Tree / 75 LF*
*1 Small Tree / 100 LF*
*0.7 points / LF*

| | PROVIDED QTY. | REQUIRED QTY. | TOTAL POINTS | POINTS / LF |
|---|---|---|---|---|
| LARGE TREES | 15 | 5 | 180 | 0.51 |
| SMALL TREES | 8 | 4 | 48 | 0.14 |
| LARGE SHRUBS | 6 | n/a | 18 | 0.05 |
| MEDIUM SHRUBS | 0 | n/a | 0 | 0 |
| SMALL SHRUBS | 0 | n/a | 0 | 0 |
| | | | **TOTAL** | 0.7 |

**POINTS OF INDIVIDUAL PLANT TYPES**

| TYPE OF PLANT | POINTS |
|---|---|
| Large Tree | 12 |
| Small Tree | 6 |
| Large Shrub | 3 |
| Medium Shrub | 2 |
| Small Shrub | 1 |

NOTES:

1. PER UDO SECTION 7.8.1 PLANT MATERIAL ARE TO BE THE FOLLOWING SIZES:
   A. LARGE TREES SHALL MEASURE A MINIMUM OF 1.5 TO 2 INCHES IN CALIPER, AND 8 TO 10 FEET IN HEIGHT AT THE TIME OF PLANTING.
   B. SMALL TREES SMALL TREES SHALL MEASURE A MINIMUM 1.5 TO 2-INCHES IN CALIPER FOR SINGLE-STEM TREES OR 1 TO 1.5-INCHES IN CALIPER FOR MULTI-STEM TREES, AND AT LEAST 6 TO 8 FEET IN HEIGHT AT THE TIME OF PLANTING.
   C. LARGE SHRUBS LARGE SHRUBS SHALL MEASURE A MINIMUM OF 3 TO 3½ FEET IN HEIGHT AT THE TIME OF PLANTING. SHRUBS PLANTED FOR SCREENING PURPOSES SHALL FORM THE REQUIRED DENSITY TO BLOCK VISIBILITY WITHIN THREE (3) YEARS FROM THE DATE OF INSTALLATION.
   D. MEDIUM SHRUBS MEDIUM SHRUBS SHALL MEASURE A MINIMUM OF 2 TO 3 FEET IN HEIGHT AT THE TIME OF PLANTING. A MIX OF DECIDUOUS AND EVERGREEN SHRUBS IS ENCOURAGED TO OBTAIN A VARIETY OF COLOR AND TEXTURE THROUGHOUT THE YEAR.
   E. SMALL SHRUBS SMALL SHRUBS SHALL MEASURE A MINIMUM OF 18 TO 24 INCHES IN SPREAD AND/OR HEIGHT AT THE TIME OF PLANTING. A MIX OF DECIDUOUS AND EVERGREEN SHRUBS IS ENCOURAGED TO OBTAIN A VARIETY OF COLOR AND TEXTURE THROUGHOUT THE YEAR.

CONSTRUCTION PLANS
LEE COUNTY
GENERAL SERVICES
BUILDING EXPANSION
805 S 5th St | Sanford, NC 27330 | Lee County

PROJECT NO: 25-0734
DATE: 30 APRIL 2026

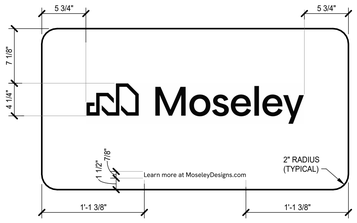
| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

LANDSCAPE DETAILS

L9.00

FINAL DRAWING
FOR REVIEW PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

J:\25\0734-moseley lee county general services expansion\CAD\drawing sets\site plan\L9.00 LANDSCAPE DETAILS.dwg - Friday, May 1, 2026 - 5:30:24 AM - ABLACK

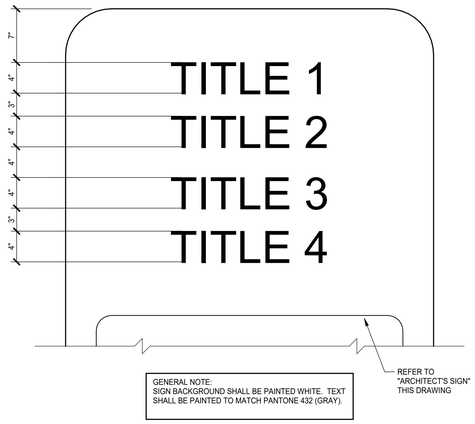



SIZE: 1'-9" VERTICAL x 3'-4" HORIZONTAL

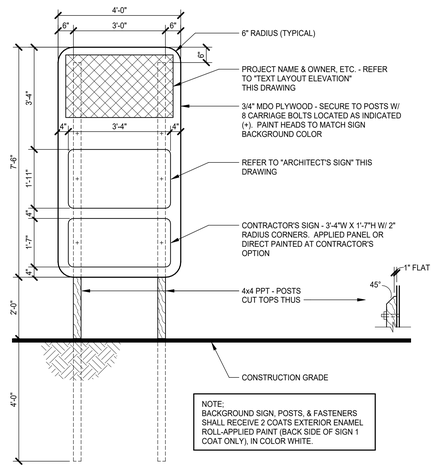
NOTES:
"MOSELEY" TEXT IN LOGO IS NOT A FONT. IMAGE SEEN MUST BE USED.

FONT FOR "LEARN MORE AT MOSELEY DESIGNS.COM" IS HANKEN GROTESK (REGULAR) AT 60 POINT.

## ARCHITECT'S SIGN




## TEXT LAYOUT ELEVATION



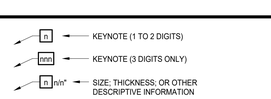

## PROJECT SIGN ELEVATION

1/2" = 1'-0"

## ARCHITECTURAL ABBREVIATIONS

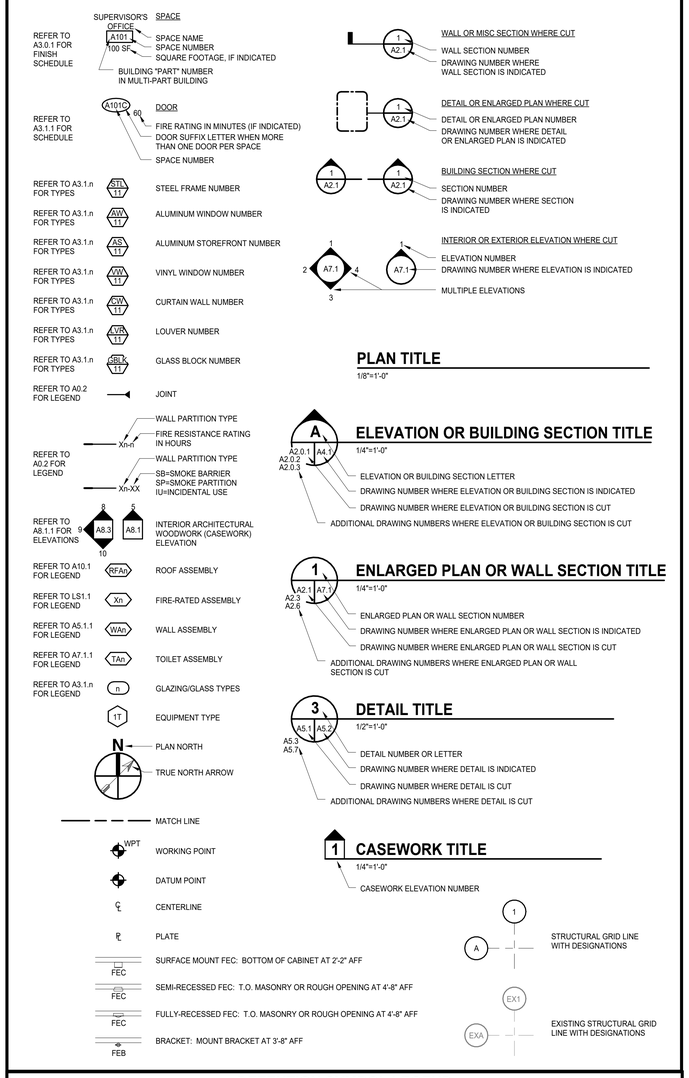
| | |
|---|---|
| A-PT | ACCENT PAINT |
| ABS | AIR BARRIER SYSTEM |
| ABV | ABOVE |
| ACP | ACOUSTICAL CEILING PANEL |
| ACT | ACOUSTICAL CEILING TILE |
| ACW | ALUMINUM CLAD WINDOW |
| ADJ | ADJUSTABLE |
| AED | AUTOMATED EXTERNAL DEFIBRILLATOR |
| AFF | ABOVE FINISHED FLOOR |
| AHJ | AUTHORITY HAVING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

## KEYNOTES




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

## ARCHITECTURAL GRAPHIC SYMBOL LEGEND




## DETENTION SYMBOL LEGEND

XX — DETENTION WINDOW; FRAME NUMBER INDICATES ROOM SIDE WHERE GLAZING STOP IS LOCATED; REFER TO DETENTION WINDOW SCHEDULE IN THE A3.3.n SERIES DRAWINGS FOR ADDITIONAL INFORMATION.

Dx — DETENTION EQUIPMENT ITEM; REFER TO DETENTION EQUIPMENT SCHEDULE ON DRAWING A7.1.1.

## ARCHITECTURAL GENERAL NOTES

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

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

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

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

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

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

## ARCHITECTURAL MATERIALS LEGEND

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

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

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

Moseley
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
PHONE (919) 840-0991
MOSELEYDESIGNS.COM

JOSHUA N. BENNETT
REGISTERED ARCHITECT
13947
5/4/2026
NORTH CAROLINA
RALEIGH, NC

MOSELEY ARCHITECTS, P.C.
REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
RALEIGH, NC

LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
4851-01-26
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

GENERAL ARCHITECTURAL INFORMATION

A0.1

5/4/2026 3:18:39 PM

## TERMINATION GENERAL NOTES

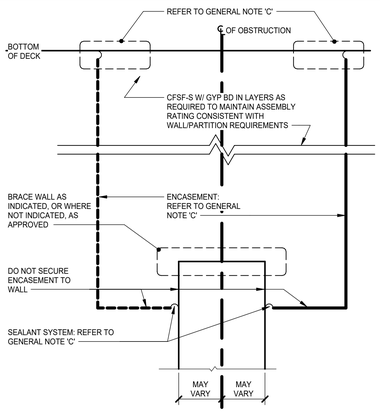
A. AT FIRE-, SMOKE-, AND ACOUSTICALLY RATED WALLS: SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER 'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED ( E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS. BRACE WALL AS INDICATED OR REQUIRED.

B. AT ALL OTHER WALLS INDICATED TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK/CAP: SEAL ALL NON-OBSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER 'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED ( E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES); OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES). BRACE WALL AS INDICATED OR REQUIRED.

C. AT ALL WALLS PREVENTED FROM TERMINATING AT THE UNDERSIDE OF FLOOR/ROOF DECK BY OBSTRUCTIONS, COMPLY WITH THE FOLLOWING:

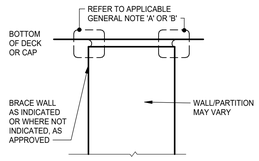
- AT FIRE-, SMOKE-, AND ACOUSTICALLY-RATED WALLS: ENCASE OBSTRUCTION(S) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.
- AT SECURITY WALLS: TERMINATE IN ACCORDANCE WITH SECURITY PARTITION REQUIREMENTS.
- AT OTHER WALLS: ENCASE OBSTRUCTION(S) ON ONE SIDE.
- SEAL ENCASEMENT TO WALL AND SEAL ENCASEMENT TO DECK IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS AND TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.

## TERMINATIONS

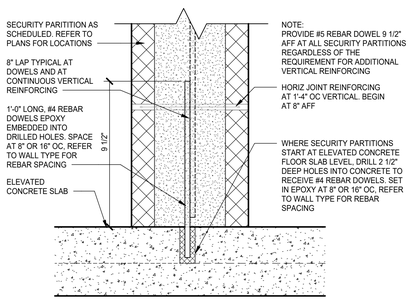



### HEAD-OF-WALL TERMINATION @ OBSTRUCTION

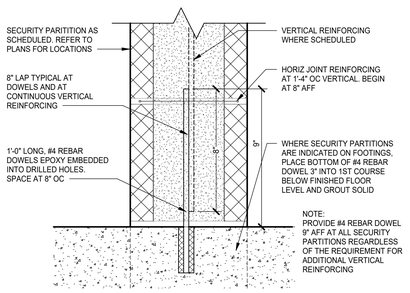
OBSTRUCTION MAY VARY (BEAM, JOIST, GIRDER, CHANNEL, DUCTWORK, PIPING)




### HEAD-OF-WALL TERMINATION @ NON-OBSTRUCTION




### SECURITY MASONRY WALLS ON ELEVATED CONCRETE FLOOR SLABS




### SECURITY MASONRY WALLS ON CONCRETE SLAB ON GRADE

## WALL JOINT GENERAL NOTES

A. LOCATE CONTROL JOINTS IN INTERIOR AND EXTERIOR WALLS AS INDICATED ON DRAWINGS.

B. JOINTS ARE INDICATED THUS ◄— ON PLANS AND ELEVATIONS.

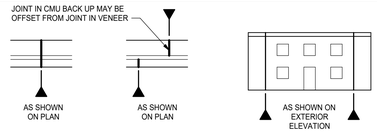
C. WALLS AND JOINT TYPES/DETAILS ARE DIAGRAMMATIC. ADJUST JOINT TYPES/DETAILS IN ACCORDANCE WITH ACTUAL FIELD CONDITIONS.

D. PROVIDE TESTED JOINT ASSEMBLIES AT FIRE-, SMOKE-, AND ACOUSTICAL-RATED WALLS.

E. WHEN USED HEREIN "RATED" MEANS: FIRE, SMOKE, AND/OR ACOUSTICAL.

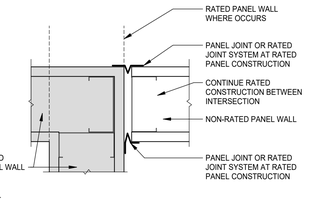
F. REFER TO SPECIFICATIONS FOR ADDITIONAL WALL JOINT REQUIREMENTS.

## EXTERIOR WALL JOINT GRAPHICS



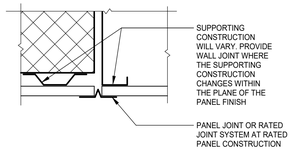

## WALL JOINTS

### RATED/ NON-RATED CFSF/ PANELS

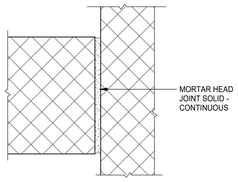



NOTE:
RATED WALL SHADED FOR CLARITY THIS DETAIL

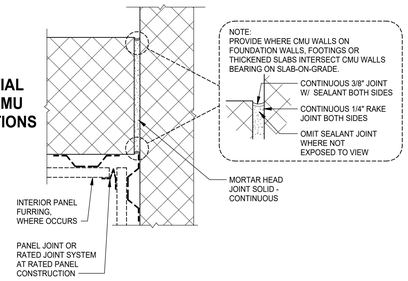
### CMU/ CFSF



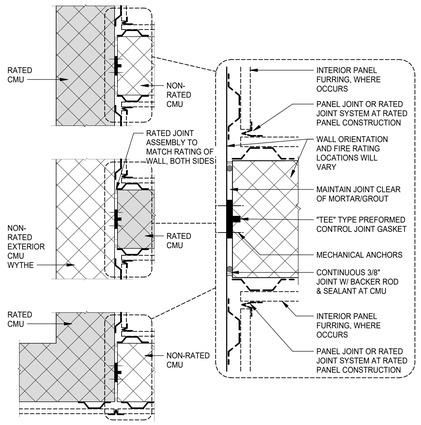

### EQUAL BEARING CMU INTERSECTIONS




### DIFFERENTIAL BEARING CMU INTERSECTIONS

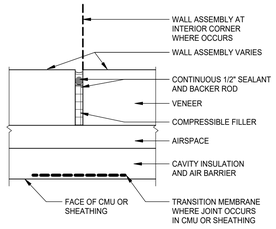



### RATED/ NON-RATED CMU

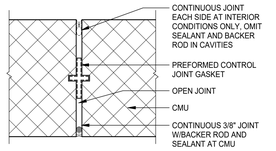



NOTE:
RATED WALLS SHADED FOR CLARITY THIS DETAIL

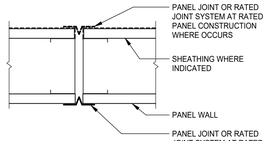
### VENEER/ CAVITY



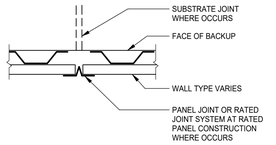

### CMU




### CFSF/ PANELS




### PANEL




## WALL/PARTITION TYPE GENERAL NOTES

A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR-SUCH AS CERAMIC TILE-DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.

B. EXTEND WALL/PARTITION ASSEMBLY COMPONENTS FULL HEIGHT OF ASSEMBLY.

C. ALL INTERIOR MASONRY UNIT PARTITIONS: N/A

D. ALL INTERIOR CFSF PANEL PARTITIONS: P1, UNLESS INDICATED OTHERWISE.

E. REFER TO STRUCTURAL DRAWINGS AND RELATED SPECIFICATIONS FOR SOLID MASONRY, GROUTING, AND REINFORCEMENT REQUIREMENTS INCLUDING BUT MAY NOT BE LIMITED TO:

- MASONRY WALLS/PARTITIONS
- LINTELS
- LINTEL BEARING CONDITIONS
- BOND BEAMS
- SHELF BEARING CONDITIONS
- STRUCTURAL REINFORCING REQUIREMENTS
- CHANGES IN WYTHE

F. THE TERMS "WALL" AND "PARTITION" MAY BE USED INTERCHANGEABLY THROUGHOUT THE CONTRACT DOCUMENTS.

G. EXTEND ALL FIRE-, SMOKE-, INCIDENTAL USE-, AND ACOUSTICAL-RATED WALLS/PARTITIONS TO UNDERSIDE OF FLOOR DECK, ROOF DECK, STRUCTURAL ELEMENT ENCASEMENT OR SOLID CAP ABOVE.

- SEAL AND TERMINATE IN ACCORDANCE WITH JOINT SYSTEM TESTED ASSEMBLIES FOR RESPECTIVE TYPE OF WALLS/PARTITIONS.

H. PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE:

- EXTEND 4 INCHES MINIMUM ABOVE HIGHEST ADJACENT FINISH CEILING UNLESS INDICATED OTHERWISE.

I. DO NOT CONNECT TIES, ANCHORS, OR REINFORCING TO SINGLE CANTILEVERED FIRE WALL OR BETWEEN DOUBLE FIRE WALLS.

J. SEAL AROUND ALL PENETRATIONS.

K. COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE DRAWINGS.

L. WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.

M. FINISHED SPACES: PROVIDE CHASES AROUND ALL EXPOSED VERTICAL COMPONENTS, INCLUDING BUT NOT LIMITED TO: DUCTWORK, PIPING, AND CONDUIT, UNLESS COMPONENTS ARE SPECIFICALLY INDICATED TO REMAIN EXPOSED. IF NOT OTHERWISE INDICATED, PROVIDE P1 CHASE CONSTRUCTION.

- HOLD CHASES TIGHT TO COMPONENTS ALLOWING FOR ACCESS, INSULATION, AND TOLERANCES.
- EXTEND CHASES FROM FLOOR TO 4 INCHES MINIMUM ABOVE FINISH CEILING OR IF NO CEILING IS INDICATED, EXTEND CHASES TO UNDERSIDE OF FLOOR DECK, ROOF DECK, OR SOLID CAP ABOVE AND TERMINATE ACCORDINGLY.

N. PROVIDE BACKER BOARD/UNIT OF SAME THICKNESS INDICATED IN LIEU OF GYPSUM BOARD PANEL AT PORTIONS OF WALLS/PARTITIONS TO RECEIVE TILE.

## PANEL WALL/PARTITION TYPES

REPRESENTED BY Xnn

| MARK | FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND) | REMARKS | INFORMATION |
|---|---|---|---|
| P1 | -- | -- | 5/8" GYPSUM WALL BOARD<br>3" SOUND ABSORPTION BATT<br>3 - 5/8" CFSF-NS |
| P2 | -- | -- | 5/8" GYPSUM WALL BOARD<br>8" CFSF-NS |
| P3 | -- | -- | 5/8" GYPSUM WALL BOARD<br>3" SOUND ABSORPTION BATT<br>3 - 5/8" CFSF-NS |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REGISTERED ARCHITECTURAL CORPORATION
50149
NORTH CAROLINA
RALEIGH, NC

LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
4851-01-26
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

WALL/PARTITION TYPES, WALL JOINTS AND TERMINATIONS

A0.2

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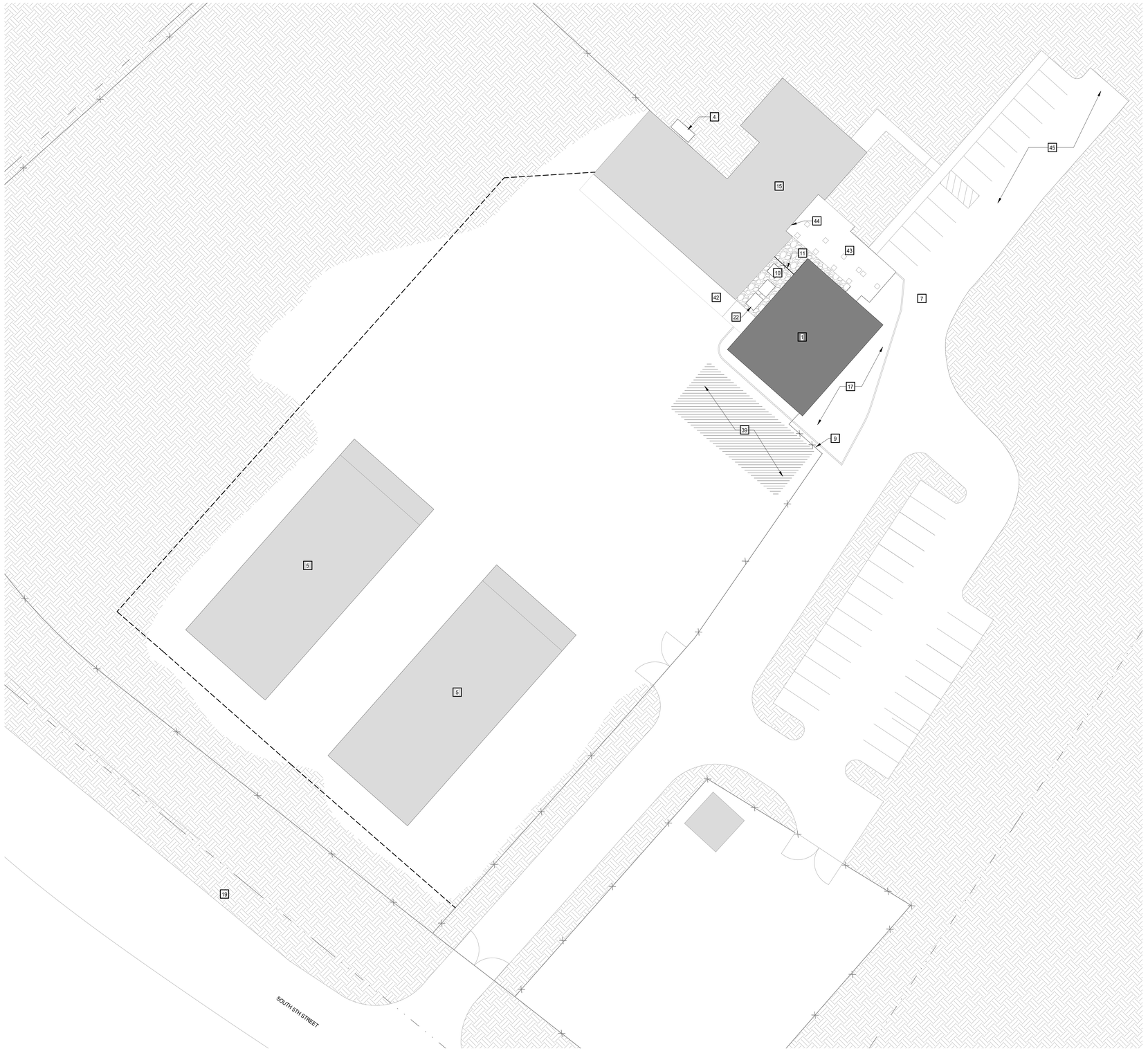



## ARCHITECTURAL SITE PLAN KEYNOTES

REPRESENTED BY N

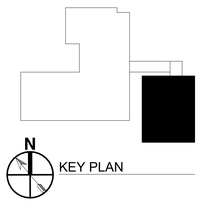
APPLIES TO DRAWINGS A1.0- A1.1

| | |
|---|---|
| 1 | NEW BUILDING. FFE 6" MIN. ABOVE GRADE REFER TO CIVIL SHEET C5.00. |
| 4 | EXISTING GENERATOR |
| 5 | EXISTING TRUCK SHED |
| 7 | PARKING AREA |
| 9 | REFERENCE C2.00. CONNECT NEW PERIMETER FENCE WITH EXISTING. |
| 10 | EXISTING AIR HANDLING UNIT |
| 11 | PERIMETER FENCE |
| 15 | EXISTING GENERAL SERVICES BUILDING |
| 17 | LANDSCAPE. REFER TO CIVIL C2.00 |
| 19 | PROPERTY LINE |
| 22 | SEE SHEET M2.1 FOR AIR HANDLER UNIT LOCATIONS |
| 24 | JOINT SEALANT AND 3/4" BACKER ROD |
| 25 | PRECAST CONCRETE CAP, SLOPE 1/2" PER FOOT |
| 26 | PRECAST CONCRETE CAP, SEE PLAN 3/A1.1 |
| 27 | CANOPY DRAIN POST. REFERENCE SHEET C5.00. POST DRAIN HOLES MUST BE LOCATED SUCH THAT THEY DRAIN AWAY FROM BUILDING. |
| 28 | EXISTING ROOFLINE |
| 30 | PRE-MANUFACTURED CANOPY WITH BRICK COLUMN WRAPS. |
| 31 | ALIGN CANOPY WITH EXISTING FASCIA |
| 32 | CANOPY FLASHING, SEALANT. |
| 33 | 3/8" DIA. MACHINE BOLT ASSEMBLY |
| 34 | 6"X6"X .25" EXTRUDED ALUMINUM FASCIA SUPPORT PLATE |
| 35 | 8" EXTRUDED ALUMINUM FASCIA (MIN-73) |
| 36 | SCREWS PER MANUFACTURER'S SPECIFICATIONS |
| 37 | REFER TO SHEET A10.1 FOR ROOF PLAN DETAILS |
| 38 | DRAIN STUB, 2-1/2" X 3" X 10' LONG ROLL FORMED ALUMINUM DOWNSPOUT. FIELD LOCATE AND INSTALL. |
| 39 | CONTRACTOR LAYDOWN AREA |
| 40 | FLASHING AND WEEPS AT BASE OF BRICK COLUMN WRAP. REFER TO S3.0.1 FOR FOOTING DETAIL. |
| 41 | SOLDIER COURSE BRICK |
| 42 | NEW GAS LINE LOCATION. REFERENCE SHEETS C1.10 AND C3.00. |
| 43 | NEW PAVING. REFERENCE SHEET C3.00. |
| 44 | MUST MAINTAIN ACCESS TO EXISTING BUILDING ENTRANCE THROUGHOUT CONSTRUCTION. |
| 45 | NEW ASPHALT PAVING. REFER TO CIVIL C2.00 |
| 46 | APPROXIMATE SIZE AND LOCATION OF POSTS FOR PRE-FABRICATED CANOPY. SUBMIT CANOPY SHOP DRAWINGS FOR REVIEW PRIOR TO PLACING FOOTINGS. REFERENCE SHEET S1.1.1 |
| 47 | OUTLINE OF BRICK BELOW |
| 48 | PRECAST CONCRETE CAP JOINT |
| 49 | 4" HSS COLUMN, PAINTED. REFER TO S2.0.1. |
| 50 | DRIP EDGE |

N

ARCHITECTURAL SITE PLAN

1" = 20'-0"

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**LEE COUNTY GENERAL SERVICES BUILDING EXPANSION**
**4851-01-26**
**LEE COUNTY**
**805 SOUTH 5TH STREET, SANFORD, NC 27330**

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

**ARCHITECTURAL SITE PLAN**

**A1.0**

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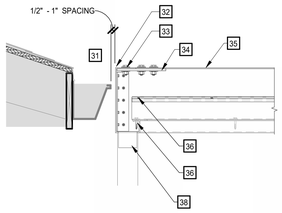
## ARCHITECTURAL SITE PLAN KEYNOTES

REPRESENTED BY n

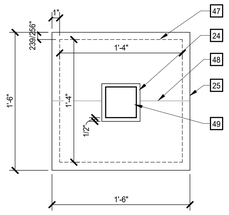
APPLIES TO DRAWINGS A1.0- A1.1

| | |
|---|---|
| 1 | NEW BUILDING. FFE 6" MIN. ABOVE GRADE REFER TO CIVIL SHEET C5.00. |
| 4 | EXISTING GENERATOR |
| 5 | EXISTING TRUCK SHED |
| 7 | PARKING AREA |
| 9 | REFERENCE C2.00. CONNECT NEW PERIMETER FENCE WITH EXISTING. |
| 10 | EXISTING AIR HANDLING UNIT |
| 11 | PERIMETER FENCE |
| 15 | EXISTING GENERAL SERVICES BUILDING |
| 17 | LANDSCAPE. REFER TO CIVIL C2.00 |
| 19 | PROPERTY LINE |
| 22 | SEE SHEET M2.1 FOR AIR HANDLER UNIT LOCATIONS |
| 24 | JOINT SEALANT AND 3/4" BACKER ROD |
| 25 | PRECAST CONCRETE CAP, SLOPE 1/2" PER FOOT |
| 26 | PRECAST CONCRETE CAP, SEE PLAN 3/A1.1 |
| 27 | CANOPY DRAIN POST. REFERENCE SHEET C5.00. POST DRAIN HOLES MUST BE LOCATED SUCH THAT THEY DRAIN AWAY FROM BUILDING. |
| 28 | EXISTING ROOFLINE |
| 30 | PRE-MANUFACTURED CANOPY WITH BRICK COLUMN WRAPS. |
| 31 | ALIGN CANOPY WITH EXISTING FASCIA |
| 32 | CANOPY FLASHING, SEALANT. |
| 33 | 3/8" DIA. MACHINE BOLT ASSEMBLY |
| 34 | 6"X6"X .25" EXTRUDED ALUMINUM FASCIA SUPPORT PLATE |
| 35 | 8" EXTRUDED ALUMINUM FASCIA (MIN-73) |
| 36 | SCREWS PER MANUFACTURER'S SPECIFICATIONS |
| 37 | REFER TO SHEET A10.1 FOR ROOF PLAN DETAILS |
| 38 | DRAIN STUB, 2-1/2" X 3" X 10' LONG ROLL FORMED ALUMINUM DOWNSPOUT. FIELD LOCATE AND INSTALL. |
| 39 | CONTRACTOR LAYDOWN AREA |
| 40 | FLASHING AND WEEPS AT BASE OF BRICK COLUMN WRAP. REFER TO S3.0.1 FOR FOOTING DETAIL. |
| 41 | SOLDIER COURSE BRICK |
| 42 | NEW GAS LINE LOCATION. REFERENCE SHEETS C1.10 AND C3.00. |
| 43 | NEW PAVING. REFERENCE SHEET C3.00. |
| 44 | MUST MAINTAIN ACCESS TO EXISTING BUILDING ENTRANCE THROUGHOUT CONSTRUCTION. |
| 45 | NEW ASPHALT PAVING. REFER TO CIVIL C2.00 |
| 46 | APPROXIMATE SIZE AND LOCATION OF POSTS FOR PRE-FABRICATED CANOPY. SUBMIT CANOPY SHOP DRAWINGS FOR REVIEW PRIOR TO PLACING FOOTINGS. REFERENCE SHEET S1.1.1 |
| 47 | OUTLINE OF BRICK BELOW |
| 48 | PRECAST CONCRETE CAP JOINT |
| 49 | 4" HSS COLUMN, PAINTED. REFER TO S2.0.1. |
| 50 | DRIP EDGE |



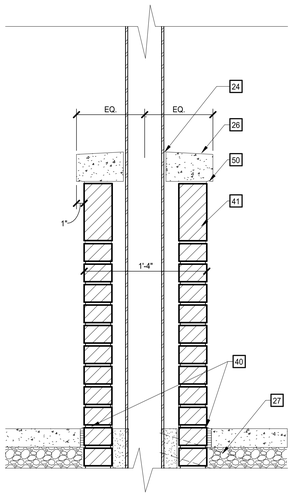

4 A1.1 A1.1 **CANOPY TO EXISTING ROOF DETAIL**

1 1/2" = 1'-0"



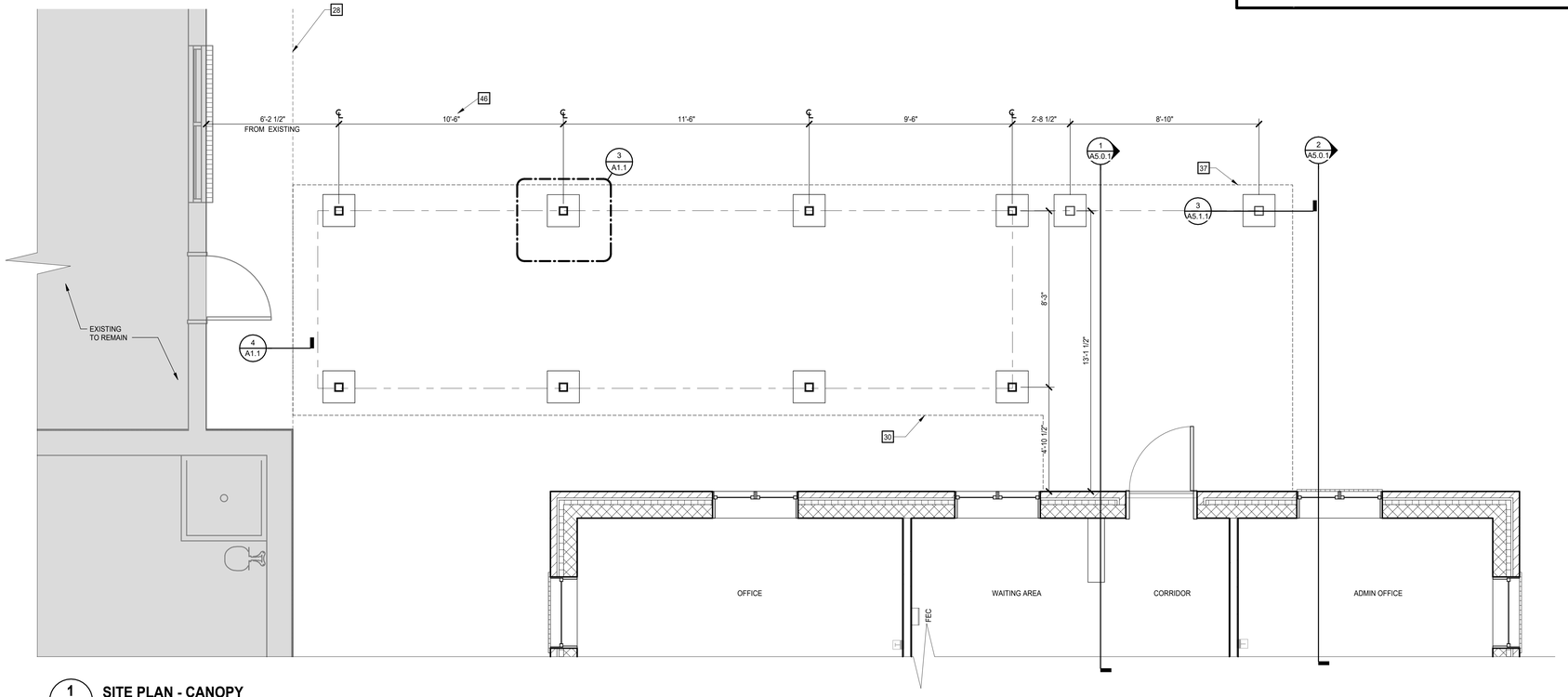

3 A1.1 A1.1 **BRICK COLUMN CAP PLAN**

1 1/2" = 1'-0"




2 A4.1.1 A1.1 **COLUMN WRAP SECTION**

1 1/2" = 1'-0"




1 A3.1.1 A1.1 **SITE PLAN - CANOPY**

3/8" = 1'-0"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**4851-01-26**

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|---|---|
| DATE | DESCRIPTION |

**CANOPY AND SITE DETAILS**

**A1.1**

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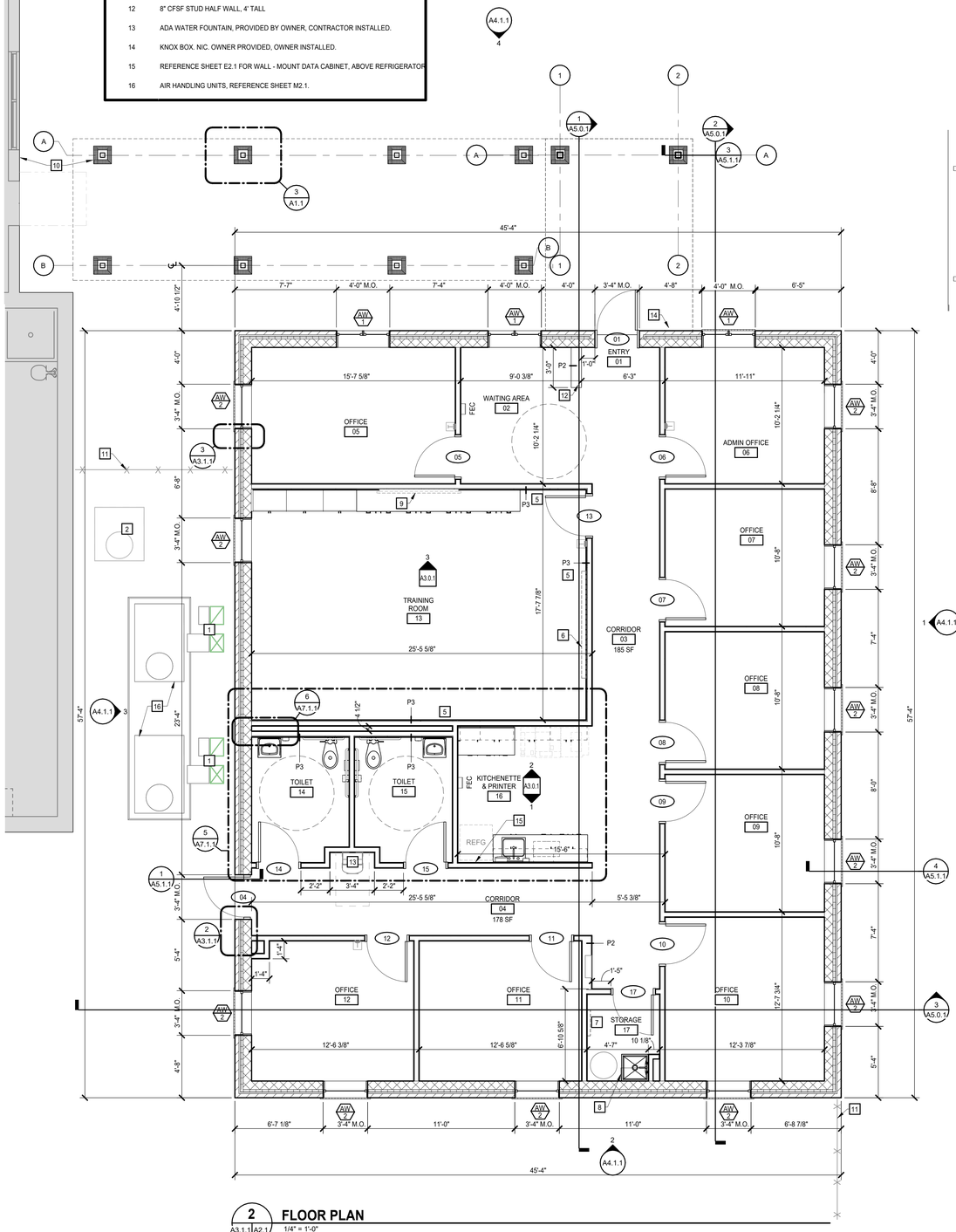
## FLOOR PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1 - A2.nn

| | |
|---|---|
| 1 | BREAK METAL EXTERIOR DUCT SHROUD. ALL EXPOSED EXTERIOR DUCTWORK. PAINTED |
| 2 | EXISTING AIR HANDLING UNIT |
| 3 | NOT USED |
| 5 | STC 50 WALL, MINIMUM FOR TRAINING ROOM WALLS. |
| 6 | WHITEBOARD |
| 7 | CLEANING TOOL HOLDER; STAINLESS STEEL WITH (4) WITH (4) SPRING ACTIVATED RUBBER CAMS |
| 8 | (2) UTILITY SHELVES ON STANDARDS. BY OWNER. |
| 9 | 85" TV. NIC. OWNER PROVIDED, CONTRACTOR INSTALLED. PROVIDE BLOCKING IN WALL PER SPECIFICATIONS. |
| 10 | COLUMN WRAP 60" MIN. DISTANCE CLEAR IN FRONT OF EXITING DOOR |
| 11 | INSTALL FENCE BETWEEN BUILDINGS TO MATCH EXISTING. REFER TO C2.00. |
| 12 | 8" CFSF STUD HALF WALL, 4' TALL |
| 13 | ADA WATER FOUNTAIN, PROVIDED BY OWNER, CONTRACTOR INSTALLED. |
| 14 | KNOX BOX. NIC. OWNER PROVIDED, OWNER INSTALLED. |
| 15 | REFERENCE SHEET E2.1 FOR WALL - MOUNT DATA CABINET, ABOVE REFRIGERATOR |
| 16 | AIR HANDLING UNITS, REFERENCE SHEET M2.1. |




**2 FLOOR PLAN**
A3.1.1 A2.1
1/4" = 1'-0"

## REFLECTED CEILING PLAN KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A9.1.1 - A9.1.n

| | |
|---|---|
| 1 | CFSF-S |
| 2 | 5/8" GYP BD, TERMINATE 4" ABV FIN CLG |
| 3 | FIN CLG: FINISH AND/OR HEIGHT AFF VARIES |
| 4 | GYP BD: EXTEND FULL HEIGHT, UNLESS INDICATED OTHERWISE |
| 5 | CEILING MOUNTED EXHAUST FANS. REFER TO SHEET M2.1 |
| 6 | EXPOSED ALUMINUM CONTINUOUS PERFORATED SOFFIT VENT UNDERSIDE OF DECK, FINISH TO MATCH EXISTING ADJACENT BUILDING |
| 7 | WALL-MOUNT CABINET, REFER TO SHEET E2.1. |

## REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.n - A9.1.n

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

- A101 / nn'-nn" — SPACE NUMBER / CEILING HEIGHT, AFF UNO
- INTERIOR APPLICATIONS: GYPSUM BOARD CEILING
  EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
- 2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
- AP — ACCESS PANEL
- WITH OPENING — EXTERIOR WALL
- WITH OPENING — INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
- WITH OPENING — INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
- WITH OPENING — INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
- INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING

## REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.

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

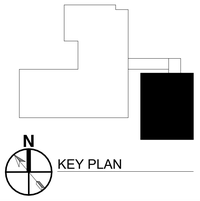
C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.

D. NOT USED

E. ALL INTERIOR PARTITION WALLS TO UNDERSIDE OF DECK.

F. ALL INTERIOR PARTITION WALLS, MINIMUM STC 44.

**1 REFLECTED CEILING PLAN**
A3.1.1 A2.1
1/4" = 1'-0"





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RALEIGH, NC

**LEE COUNTY GENERAL SERVICES BUILDING EXPANSION**
**4851-01-26**
**LEE COUNTY**
**805 SOUTH 5TH STREET, SANFORD, NC 27330**

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

**FIRST FLOOR PLAN & REFLECTED CEILING PLAN**

**A2.1**

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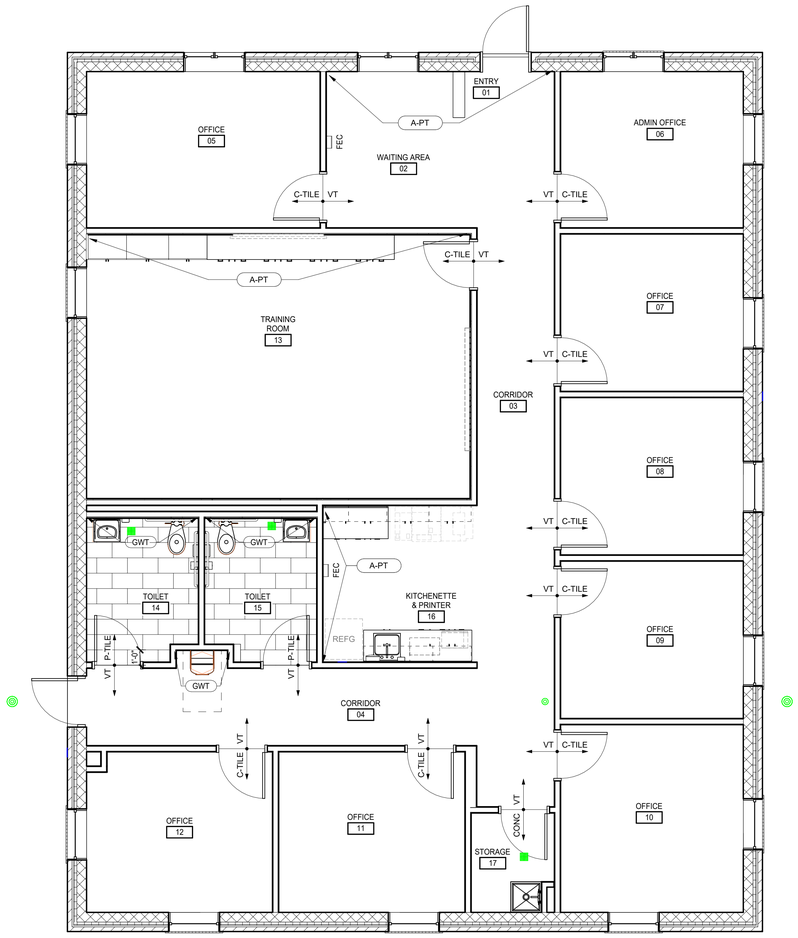



## 5 FLOOR PLAN

A3.1.1 / A3.0.1

1/4" = 1'-0"

## FINISH SCHEDULE

| NUMBER | NAME | FLOOR | BASE | WALLS | | | | CEILING | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| | | | | NORTH | EAST | SOUTH | WEST | | |
| 01 | ENTRY | VT | RB | A-PT | PT | -- | PT | ACP-A | 4 |
| 02 | WAITING AREA | VT | RB | PT | PT | PT | PT | ACP-A | |
| 03 | CORRIDOR | VT | RB | PT | PT | PT | PT | ACP-A | |
| 04 | CORRIDOR | VT | RB | PT | PT | PT | PT | ACP-A | 4 |
| 05 | OFFICE | C-TILE | RB | PT | PT | PT | PT | ACP-A | |
| 06 | ADMIN OFFICE | C-TILE | RB | PT | PT | PT | PT | ACP-A | |
| 07 | OFFICE | C-TILE | RB | PT | PT | PT | PT | ACP-A | |
| 08 | OFFICE | C-TILE | RB | PT | PT | PT | PT | ACP-A | |
| 09 | OFFICE | C-TILE | RB | PT | PT | PT | PT | ACP-A | |
| 10 | OFFICE | C-TILE | RB | PT | PT | PT | PT | ACP-A | |
| 11 | OFFICE | C-TILE | RB | PT | PT | PT | PT | ACP-A | |
| 12 | OFFICE | C-TILE | RB | PT | PT | PT | PT | ACP-A | |
| 13 | TRAINING ROOM | C-TILE | RB | A-PT | PT | PT | PT | ACP-A | |
| 14 | TOILET | P-TILE | P-TILE | GWT | EPX PT | EPX PT | EPX PT | ACP-B | 1, 3 |
| 15 | TOILET | P-TILE | P-TILE | GWT | EPX PT | EPX PT | EPX PT | ACP-B | 1, 3 |
| 16 | KITCHENETTE & PRINTER | VT | RB | PT | PT | PT | A-PT | ACP-A | |
| 17 | STORAGE | CONC-SLR | RB | PT | PT | PT | PT | ACP-A | 2 |

## INTERIOR FINISH LEGEND - BASIS OF DESIGN

SELECTIONS INDICATED IN THE INTERIOR FINISH LEGEND DO NOT SUPERSEDE THE SPECIFICATIONS. IF THE CONTRACTOR NOTICES A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, CONTACT THE ARCHITECT FOR CLARIFICATION.

| SPECIFICATION | DESCRIPTION | MATERIAL | MANUFACTURER | PRODUCT - COLOR |
|---|---|---|---|---|
| 064100 - ARCHITECTURAL WOODWORK AND CASEWORK | | | | |
| | PLAM | PLASTIC LAMINATE | WILSONART | STANDARD RUNNING LINE |
| | SSM | SOLID SURFACE MATERIAL | FORMICA | COLOR GROUP 3 |
| 081416 - FLUSH WOOD DOORS | | | | |
| | MISC | FLUSH WOOD DOORS | | MATCH EXISTING BUILDING STANDARD DOORS |
| 093000 - TILING | | | | |
| | GRT | GROUT | | REFER TO SPECS |
| | GWT | GLAZED WALL TILE | ROCA | COLOR COLLECTION SIZE:4X16 |
| | PTILE | PORCELAIN TILE | SHAW | SETT, SIZE: 12 X 24 |
| 095100 - ACOUSTICAL CEILINGS | | | | |
| | ACP-A | ACOUSTICAL CEILING PANEL | ARMSTRONG | FINE FISSURE |
| | ACP-B | ACOUSTICAL CEILING PANEL | ARMSTRONG | ULTIMA HEALTH |
| 096513 - RESILIENT BASE AND ACCESSORIES | | | | |
| | RB | RESILIENT BASE | ROPPE | 4"H RUBBER BASE |
| 096519 - RESILIENT TILE FLOORING | | | | |
| | VT | VINYL TILE | SHAW | UNVEIL |
| 096813 - TILE CARPETING | | | | |
| | C-TILE | CARPET TILE | SHAW | GROUNDED SPACES COLLECTION |
| 099100 - PAINTING | | | | |
| | A-PT | ACCENT PAINT | SHERWIN WILLIAMS | ACCENT PAINT |
| | PT1 | PAINT | SHERWIN WILLIAMS | FIELD: AGREEABLE GRAY |
| | PT2 | PAINT | SHERWIN WILLIAMS | TRIM PAINT |
| 102600 - WALL AND DOOR PROTECTION | | | | |
| | CG | CORNER GUARDS | CSI | COLOR: TBD |
| 122400 - WINDOW SHADES | | | | |
| | MISC | HORIZONTAL LOUVER BLINDS | | MATCH EXISTING BUILDING STANDARD BLINDS |

## FINISH SCHEDULE GENERAL NOTES

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

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

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

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

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

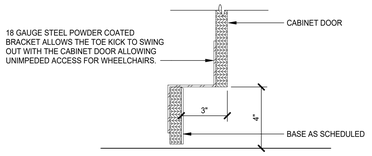
F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION

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

H. PAINT ALL EXPOSED ELEMENTS (SUCH AS PIPING AND CONDUITS) TO MATCH ADJACENT COLOR (HIDE & BLEND).

## FINISH SCHEDULE NOTES

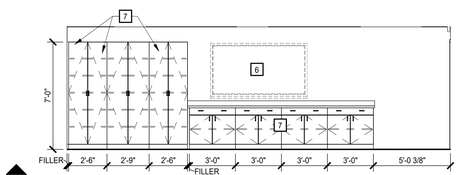
1. GLAZED WALL TILE FULL HEIGHT.
2. INSTALL IMPACT RESISTANT WALL PANELS 4'WX8'H BOTH SIDES OF MOP SINK; REFER TO SPECIFICATIONS
3. TILE BASE IN TOILET ROOMS: CUT P-TILE IN HALF LENGTHWISE, INSTALL CUT SIDE DOWN AND FINISH WITH METAL TRIM.
4. DIMENSION FOR WALK-OFF CARPET IS FROM THE THRESHOLD. AT THE EXTERIOR DOOR




## 4 ACCESSIBLE INTEGRAL TOEKICK

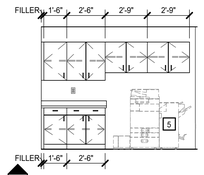
A3.0.1

3" = 1'-0"



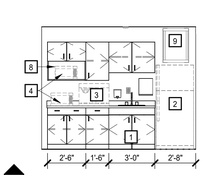

## 3 13 TRAINING ROOM

1/4" = 1'-0"




## 2 16 PRINT AREA

1/4" = 1'-0"




## 1 16 KITCHENETTE

1/4" = 1'-0"

## CASEWORK GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S):
   a. 2'-10" AFF MAX OR 2'-10" MAX TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS
   b. 2'-1" DEEP
   c. SOLID SURFACE.
   d. BACKSPLASHES: 4" HIGH AT ALL SIDES AND BACK
   e. EXTEND COUNTERTOP 1/2" PAST BASE CABINET AT ALL EXPOSED CASEWORK ENDS
   f. VERIFY SLAB LEVELNESS AT CASEWORK PRIOR TO INSTALL. CONSTRUCTION TOLERANCES DO NOT APPLY TO ACCESSIBILITY DIMENSIONS; MAX DIMENSIONS SHALL BE MAINTAINED.

B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):
   a. 2'-0" DEEP NOMINAL
   b. TOE KICKS: 4" NOMINAL HIGH (REDUCE AS NEEDED FOR TOLERANCES) AND 3" DEEP
   c. SINK LOCATIONS: COMPLY WITH APPLICABLE ACCESSIBILITY CODE AND STANDARD REQUIREMENTS AS REFERENCED ON THE LIFE SAFETY DRAWINGS AND PROVIDE CLEAR FLOOR SPACE.

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

D. UNLESS INDICATED OTHERWISE, ALL TALL CABINET(S):
   a. 2'-0" DEEP NOMINAL
   b. 7'-0" HIGH
   c. TOE KICKS: 4" HIGH AND 3" DEEP

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

F. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.

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

H. NO LOCKS

## CASEWORK KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A2.1 - A2.nn

| | |
|---|---|
| 1 | ADA SINK CABINET W/ ATTACHED TOE KICK |
| 2 | REFRIGERATOR. OWNER PROVIDED, CONTRACTOR INSTALLED. NIC |
| 3 | COFFEE MAKER NIC |
| 4 | MICROWAVE NIC |
| 5 | COPIER NIC |
| 6 | DISPLAY. OWNER PROVIDED, CONTRACTOR INSTALLED. NIC |
| 7 | 20"D CASEWORK |
| 8 | UPPER CABINET OPENING: 14.25"x28.5" |
| 9 | DATA RACK, REFERENCE SHEEET E2.1. |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LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
4851-01-26
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

FINISH SCHEDULE & ELEVATIONS

A3.0.1

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## DOOR SCHEDULE

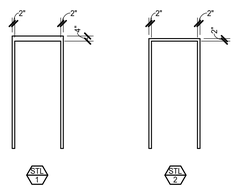
| NUMBER | DOOR TYPE | SIZE (NOMINAL) | DOOR MATL | DOOR LOUVER | DOOR UC | DOOR GLAZING TYPE | FRAME TYPE | FRAME NUMBER | FRAME SECTIONS | FRAME HEAD DETAIL | FRAME JAMB DETAIL | FIRE RATING |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | E1 | 3'-0" x 7'-0" x 1 3/4" | ALUM | -- | -- | 2 | ALUM | 1 | A | 6 | 2 | -- |
| 04 | F | 3'-0" x 7'-0" x 1 3/4" | ALUM | -- | -- | 2 | ALUM | 1 | A | 6 | 2 | -- |
| 05 | N2 | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | 1 | STL | 2 | A | 4 | 4 | -- |
| 06 | N2 | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | 1 | STL | 2 | A | 4 | 4 | -- |
| 07 | N2 | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | 1 | STL | 2 | A | 4 | 4 | -- |
| 08 | N2 | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | 1 | STL | 2 | A | 4 | 4 | -- |
| 09 | N2 | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | 1 | STL | 2 | A | 4 | 4 | -- |
| 10 | N2 | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | 1 | STL | 2 | A | 4 | 4 | -- |
| 11 | N2 | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | 1 | STL | 2 | A | 4 | 4 | -- |
| 12 | N2 | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | 1 | STL | 2 | A | 4 | 4 | -- |
| 13 | N2 | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | 1 | STL | 2 | A | 4 | 4 | -- |
| 14 | F | 3'-0" x 7'-0" x 1 3/4" | WD | -- | UC, 3/4" | -- | STL | 2 | A | 4 | 4 | -- |
| 15 | F | 3'-0" x 7'-0" x 1 3/4" | WD | -- | UC, 3/4" | -- | STL | 2 | A | 4 | 4 | -- |
| 17 | F | 3'-0" x 7'-0" x 1 3/4" | WD | -- | -- | -- | STL | 2 | A | 4 | 4 | -- |

### DOOR AND FRAME GENERAL NOTES

A. UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE REFER TO DRAWINGS A3 SERIES.

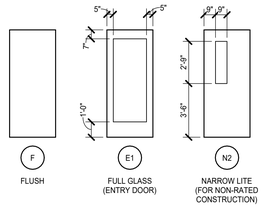
B. DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINES ALL COMPONENTS (SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

C. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE.




## DOOR FRAME TYPES

1/4" = 1'-0"

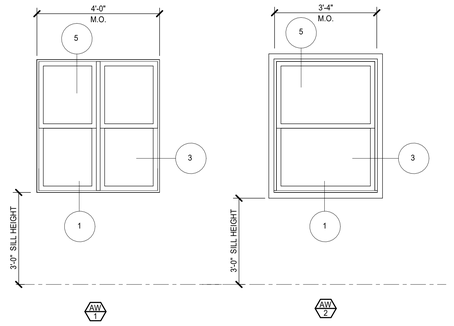



FLUSH — FULL GLASS (ENTRY DOOR) — NARROW LITE (FOR NON-RATED CONSTRUCTION)

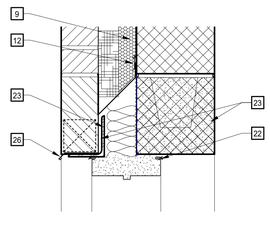
## DOOR TYPES

## WINDOW SCHEDULE

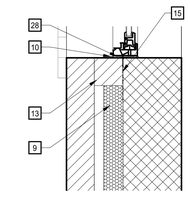
| NO | GLAZING TYPE | FRAME TYPE | NOTES |
|---|---|---|---|
| 02 | 2 | 1AW | |
| 05-a | 2 | 1AW | |
| 05-b | 2 | 2AW | |
| 06-a | 2 | 2AW | |
| 06-b | 2 | 1AW | |
| 07 | 2 | 2AW | |
| 08 | 2 | 2AW | |
| 09 | 2 | 2AW | |
| 10-a | 2 | 2AW | |
| 10-b | 2 | 2AW | |
| 11 | 2 | 2AW | |
| 12-a | 2 | 2AW | |
| 12-b | 2 | 2AW | |
| 13 | 2 | 2AW | |



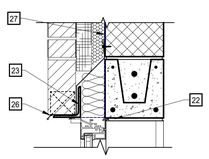

## WINDOW FRAME TYPES



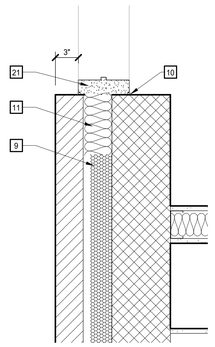

**6 HEAD DETAIL** — A5.1.1 A3.1.1 — 1 : 6



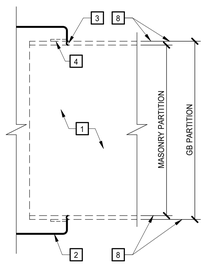

**3 JAMB DETAIL** — A2.1 A3.1.1 — 1 1/2" = 1'-0"



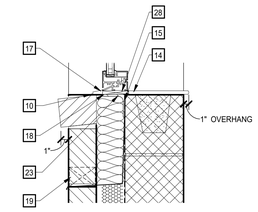

**5 HEAD DETAIL** — A5.1.1 A3.1.1 — 1 1/2" = 1'-0"



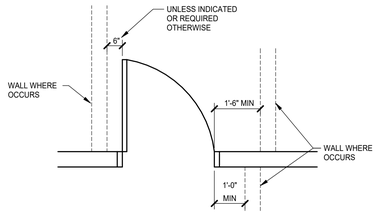

**2 JAMB DETAIL** — A2.1 A3.1.1 — 1 1/2" = 1'-0"




**4 INTERIOR WRAP HEAD/JAMB/SILL** — A3.1.1 — 6" = 1'-0"

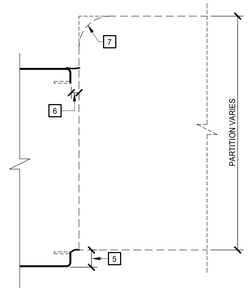



**1 SILL DETAIL** — A5.1.1 A3.1.1 — 1 1/2" = 1'-0"

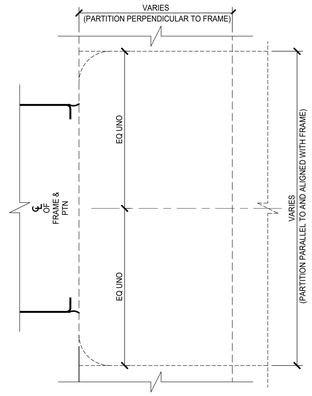



## MANEUVERING CLEARANCE AT DOORS

NO SCALE




## INTERIOR BETWEEN THE JAMB - PROJECTED HEAD/JAMB/SILL




## INTERIOR BETWEEN THE JAMB - BUTTED HEAD/JAMB/SILL

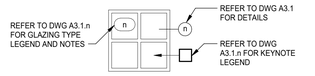
## GLAZING TYPES

REPRESENTED BY (n)

1. 1/4" CLEAR
2. 1" INSULATING GLASS: CLEAR EXTERIOR + LOW-E COATING / CLEAR INTERIOR

NOTES:
1. ALL GLAZING IN INTERIOR FRAMES SHALL BE TYPE 1, UNO
2. ALL GLAZING IN EXTERIOR FRAMES SHALL BE TYPE 2, UNO
3. GLAZE ALL OPENINGS IN FRAMES UNLESS SPECIFICALLY INDICATED OTHERWISE
4. ALL GLAZING SHALL BE SAFETY GLASS UNLESS INDICATED OTHERWISE

## GENERAL NOTES

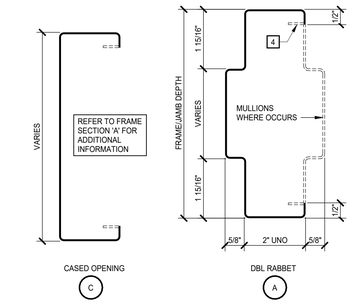



A. UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE FOR HEAD, JAMB AND SILL CONDITIONS REFER TO DRAWINGS A3.2.1 - A3.2.n.

B. DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS . COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G., SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

C. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G., ELEVATIONS).

D. WINDOW BLINDS AT ALL WINDOWS. REFER TO INTERIOR FINISH LEGEND - BASIS OF DESIGN ON SHEET A3.0.1.




1. ALL INTERIOR FRAME/JAMB DEPTHS, OTHER THAN WRAP CONDITIONS, SHALL BE 5" UNO.
2. ALL FRAME/JAMB DEPTHS AT WRAP CONDITIONS SHALL BE SIZED TO SUIT PARTITION.
3. DOORS, PANELS, GLAZING, STOPS, AND OTHER FRAME INFILLS ARE NOT SHOWN IN FRAME SECTIONS AS THEY VARY - PROVIDE SAME WHERE INDICATED.

## STEEL FRAME SECTIONS

NO SCALE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MOSELEY ARCHITECTS, PC — REGISTERED ARCHITECTURAL CORPORATION — 50149 — NORTH CAROLINA — RALEIGH, NC

**LEE COUNTY GENERAL SERVICES BUILDING EXPANSION**
**4851-01-26**
**LEE COUNTY**
**805 SOUTH 5TH STREET, SANFORD, NC 27330**

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

**DOOR, WINDOW FRAME SCHEDULE AND DETAILS**

**A3.1.1**

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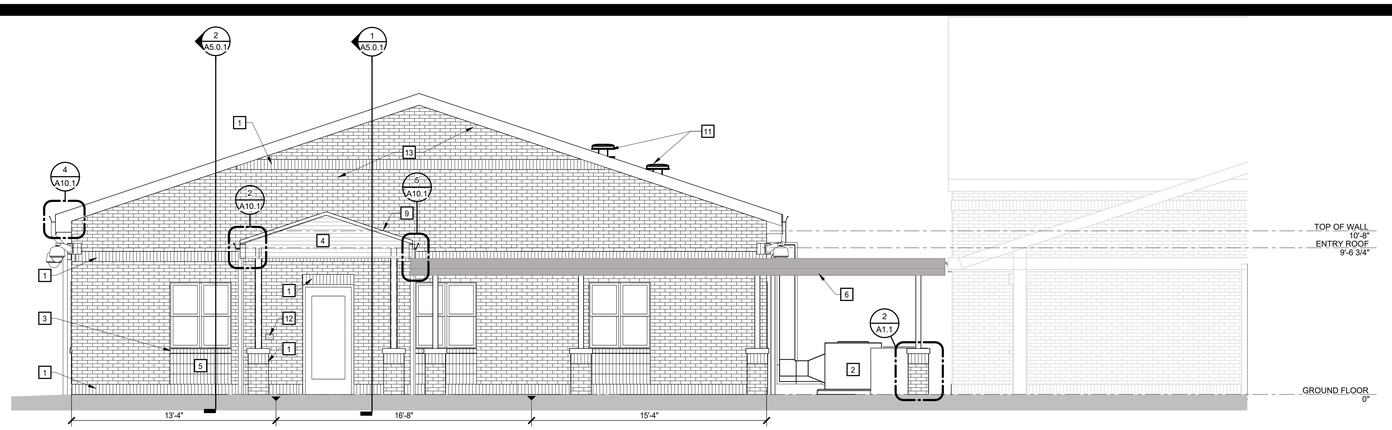
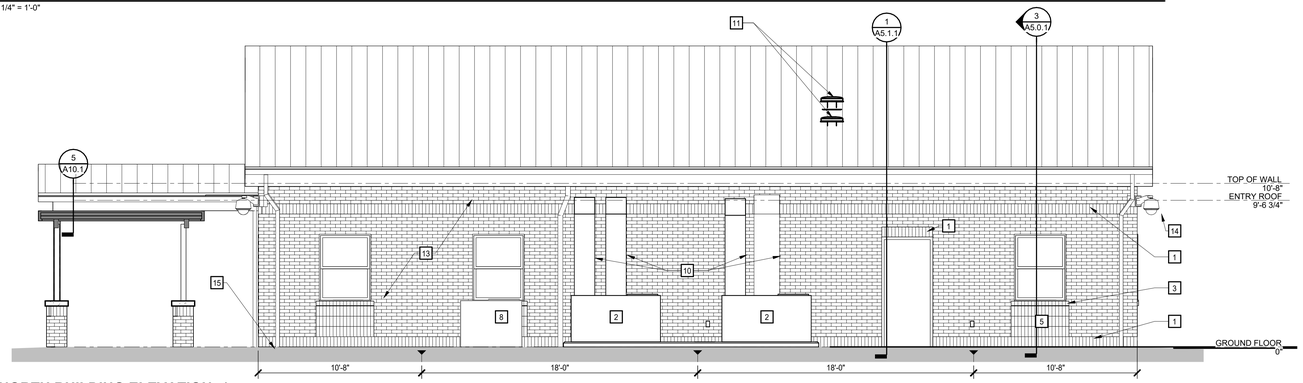
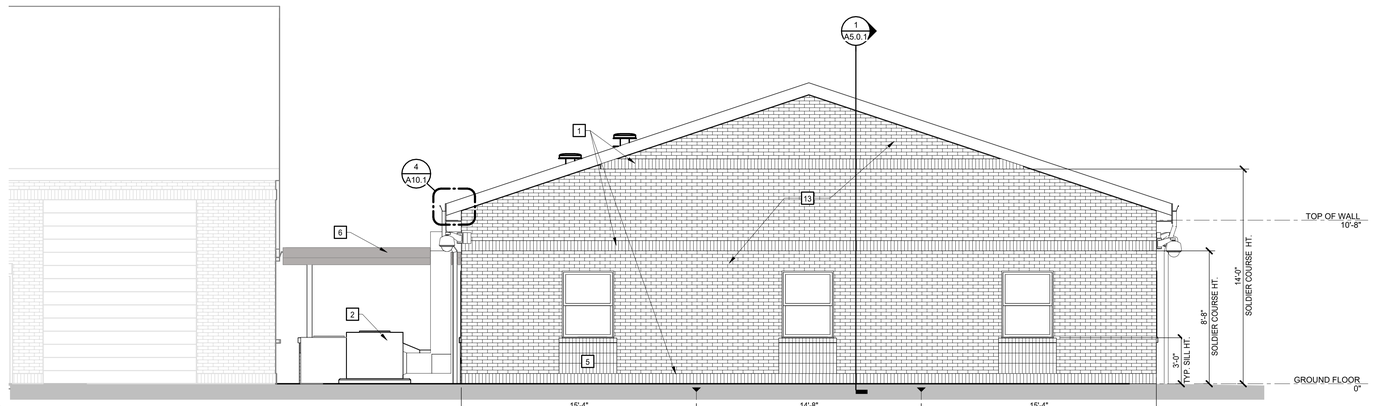



**4 EAST BUILDING ELEVATION**
A2.1 A4.1.1 1/4" = 1'-0"




**3 NORTH BUILDING ELEVATION- 1**
A2.1 A4.1.1 1/4" = 1'-0"




**2 WEST BUILDING ELEVATION**
A2.1 A4.1.1 1/4" = 1'-0"

**1 SOUTH BUILDING ELEVATION**
A2.1 A4.1.1 1/4" = 1'-0"

## BUILDING ELEVATION KEYNOTES

REPRESENTED BY n

APPLIES TO DRAWINGS A4.1 - A4.n

| | |
|---|---|
| 1 | SOLDIER COURSE BRICK |
| 2 | AIR HANDLING UNITS, REFERENCE SHEET M2.1. |
| 3 | ROWLOCK COURSE BRICK. BELOW ALL WINDOW SILLS. |
| 4 | FIBER-CEMENT SIDING, PAINT TO MATCH EXISTING ADJACENT TRIM |
| 5 | SOLDIER COURSES OF BRICK, BELOW ALL WINDOWS. |
| 6 | PRE-MANUFACTURED CANOPY WITH BRICK COLUMN WRAPS. |
| 8 | EXISTING AIR HANDLING UNIT |
| 9 | STEP FLASHING WHERE GABLE ENTRY ROOF MEETS BRICK |
| 10 | REFER TO SHEET M5.1 FOR DUCTWORK SUPPORT DETAIL |
| 11 | REFERENCE SHEET M5.1 FOR EXHAUST AND CURBS |
| 12 | KNOX BOX. NIC. OWNER PROVIDED, OWNER INSTALLED. |
| 13 | ALL BRICK: COLOR TO MATCH EXISTING ADJACENT BUILDING. |
| 14 | APPROXIMATE SECURITY CAMERA LOCATION. OWNER FURNISHED. REFER TO SHEET E2.1. |
| 15 | REFERENCE CIVIL SHEET FOR ROOF DRAIN CONNECTION, SHEET C9.02. |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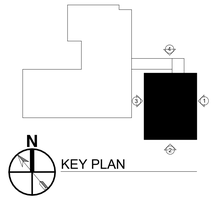


**BUILDING ELEVATIONS**

**A4.1.1**

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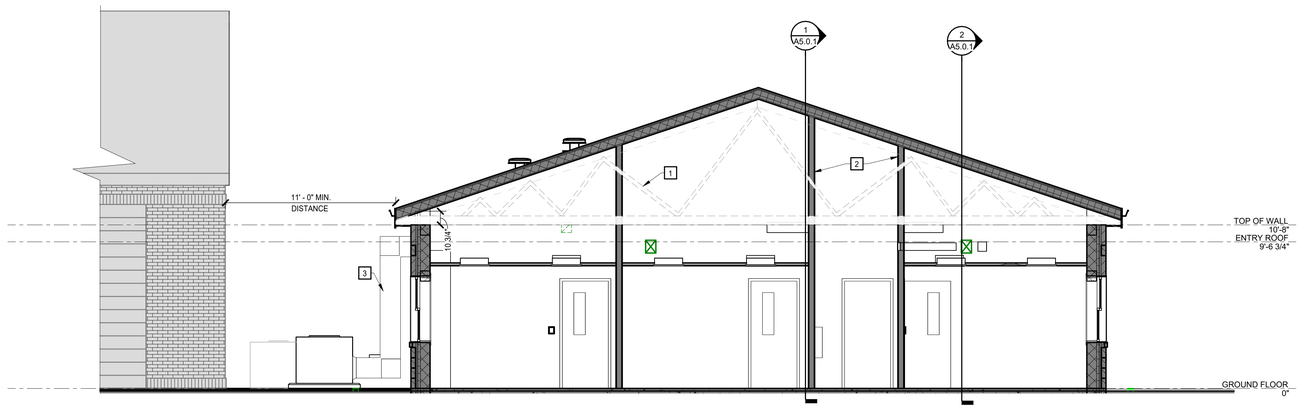
## BUILDING SECTION KEYNOTES

REPRESENTED BY n

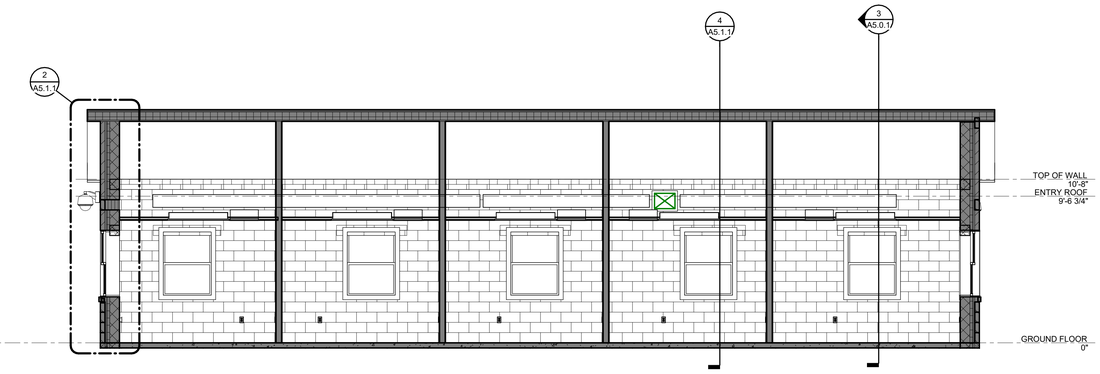
APPLIES TO DRAWINGS A5.0.1 - A5.0.n

| | |
|---|---|
| 1 | ROOF TRUSS BEYOND. REFERENCE STRUCTURAL S2.0.1 AND S4.01. |
| 2 | ALL INTERIOR PARTITION WALLS TO UNDERSIDE OF DECK. COVER INTERSECTING TRUSS WITH GYPSUM WALL BOARD ACCORDINGLY. |
| 3 | PREFINISHED BREAK METAL EXTERIOR DUCT SHROUD OVER NEW DUCTS, PAINTED. SEE SHEET M2.1. |




### 3 TRAINING ROOM SECTION

A2.1 A5.0.1 — 1/4" = 1'-0"




### 2 SOUTH BUILDING SECTION

A1.1 A5.0.1 — 1/4" = 1'-0"

### 1 CANOPY, TRAINING ROOM SECTION

A1.1 A5.0.1 — 1/4" = 1'-0"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**BUILDING SECTIONS**

**A5.0.1**

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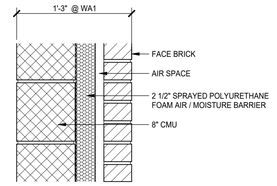
## EXTERIOR WALL ASSEMBLIES

APPLIES TO A5.1 AND A5.2 SERIES OF DRAWINGS
REPRESENTED BY (WAn)

| MARK | FIRE RATING (REFER TO LS 1.1 FOR LEGEND) | REMARKS | INFORMATION |
|---|---|---|---|
| WA1 | | |  |

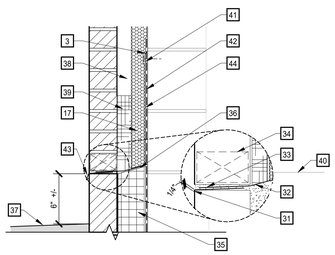


## WALL SECTION KEYNOTES

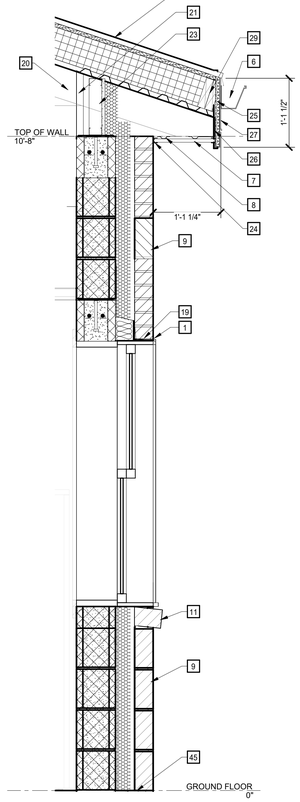
REPRESENTED BY [n]

APPLIES TO DRAWINGS A5.1.1 - A5.1.n

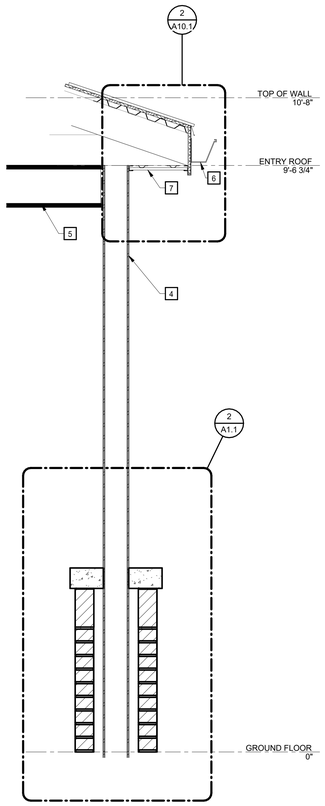
| | |
|---|---|
| 1 | FLASHING WITH METAL DRIP EGDE WITH HEMMED EDGES |
| 2 | STANDING SEAM METAL ROOF. ROOF COLOR TO MATCH EXISTING SHINGLES ON ADJACENT BUILDING. |
| 3 | CONTINUOUS SEALANT AT TOP OF TERMINATION BAR |
| 4 | 4" HSS COLUMN, PAINTED. REFER TO S2.0.1. |
| 5 | WIDE FLANGE BEAM. REFER TO S2.0.1. |
| 6 | 5" K STYLE, PREFINISHED ALUMINUM GUTTER TO MATCH EXISTING ADJACENT BUILDING |
| 7 | ALUMINUM CONTINUOUS PERFORATED SOFFIT VENT,FINISH TO MATCH EXISTING ADJACENT BUILDING |
| 8 | CONTINUOUS CHANNEL |
| 9 | SOLDIER COURSE BRICK |
| 10 | SOLDIER COURSES OF BRICK, BELOW ALL WINDOWS |
| 11 | BRICK ROWLOCK. CREATE POSITIVE SLOPE AWAY FROM WINDOW. |
| 12 | ROOF TRUSS. REFER TO STRUCTURAL S2.0.1 AND S4.01 FOR ROOF TRUSS. |
| 13 | LOOKOUTS TO SUPPORT GABLE END |
| 14 | ALUMINUM CONTINUOUS PERFORATED SOFFIT VENT,FINISH TO MATCH EXISTING ADJACENT BUILDING |
| 16 | 8" CMU BOND BEAM, REFER TO SHEET S2.0.1 |
| 19 | WEEPS, EVERY 24" |
| 20 | REFER TO SHEET S4.0.1 FOR TRUSS DETAILS. |
| 21 | SHEAR BLOCKING BY TRUSS MANUFACTURER. REFER TO S4.0.1 AND 1/S2.0.1. |
| 22 | REFER TO S4.0.1 FOR LINTEL SCHEDULE. |
| 23 | 2 1/2" CFSF STUD WITH EXTERIOR SHEATHING |
| 24 | SOFFIT CLIPS |
| 25 | PLYWOOD FASCIA, COVERED WITH METAL FLASHING |
| 26 | REFERENCE SHEET S2.0.1 FOR CFSF-S CLOSURE PIECE |
| 27 | METAL FASCIA TRIM, LAP EAVE TRIM. PREFINISHED TO MATCH ADJACENT EXISTING BUILDING. |
| 28 | 6" CFSF STUD WITH EXTERIOR SHEATHING. REFERENCE SHEET S4.0.1. |
| 29 | BLOCKING |
| 30 | REFERENCE SHEET S3.0.1 FOR FOUNDATION |
| 31 | METAL DRIP EDGE WITH HEMMED EDGES, FORM DRIP (TURN DOWN IMMEDIATELY AT FACE OF WALL, DO NOT PROVIDE A FLAT SURFACE BEFORE FORMING DRIP) |
| 32 | SLOPE GROUT BELOW EMBEDDED FLEXIBLE FLASHING TO MAINTAIN POSITIVE DRAINAGE TO WEEP |
| 33 | SEAL EMBEDDED FLEXIBLE FLASHING TO METAL DRIP EDGE |
| 34 | CELLULAR VENT/WEEPS |
| 35 | 3" RIGID INSULATION |
| 36 | TAPER TOP OF RIGID BOARD CAVITY-WALL INSULATION |
| 37 | FINISH GRADE VARIES |
| 38 | MAINTAIN CAVITY AIR SPACE CLEAN AND CLEAR |
| 39 | CAVITY DRAINAGE MATERIAL, THICKNESS AS REQUIRED TO FILL AIR SPACE, HARD AGAINST BACKSIDE OF VENEER AND FACE OF CAVITY INSULATION |
| 40 | TOP OF SLAB |
| 41 | CONTINUOUS TERMINATION BAR |
| 42 | AIR BARRIER TRANSITION STRIP |
| 43 | STEP FLASHING ASSEMBLY AS REQUIRED TO MAINTAIN DIMENSIONAL REMLATIONSHIP WITH FINISH GRADE |
| 44 | EMBEDDED FLEXIBLE FLASHING |
| 45 | REFERENCE SHEET 3.0.1 FOR FOUNDATION SECTION AT EXTERIOR DOORS |



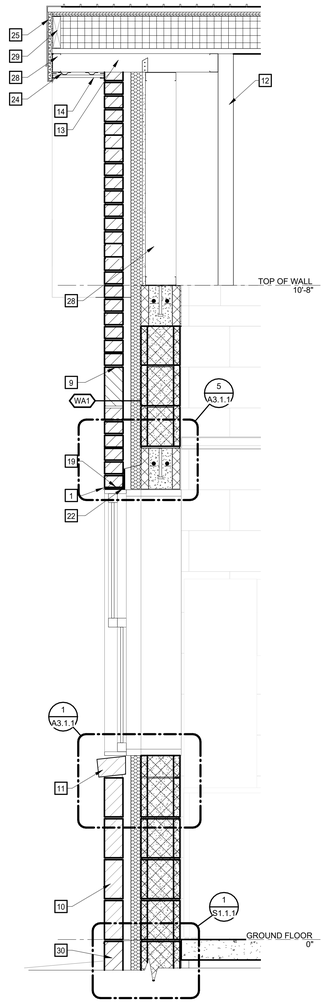

5 BASE OF WALL CAVITY (A5.1.1) 1 1/2" = 1'-0"



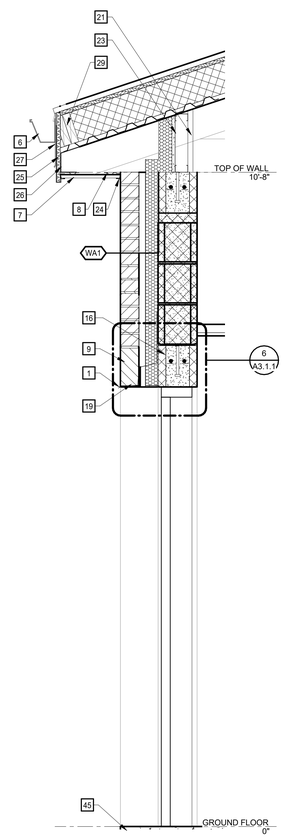

4 WALLL SECTION (A2.1 A5.1.1) 1" = 1'-0"




3 WALL SECTION (A1.1 A5.1.1) 1" = 1'-0"




2 WALL SECTION (A5.0.1 A5.1.1) 1" = 1'-0"




1 WALL SECTION (A2.1 A5.1.1) 1" = 1'-0"

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|---|---|
| DATE | DESCRIPTION |

**WALL SECTIONS AND DETAILS**

**A5.1.1**

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## KEYNOTES

APPLIES TO DRAWINGS A7.1.1 - A7.1.n

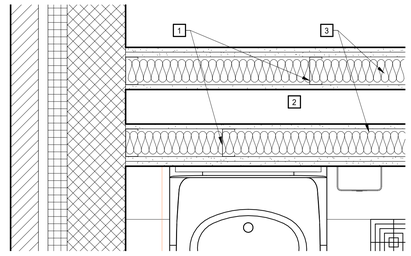
| | |
|---|---|
| 1 | OFFSET STUD PLACEMENT, 24" O.C., TO ALTERNATE IN WALLS |
| 2 | INSULATE ALL PLUMBING PIPES BETWEEN WALLS |
| 3 | SAB, STC MIN. 50 |

## TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLAN GENERAL NOTES

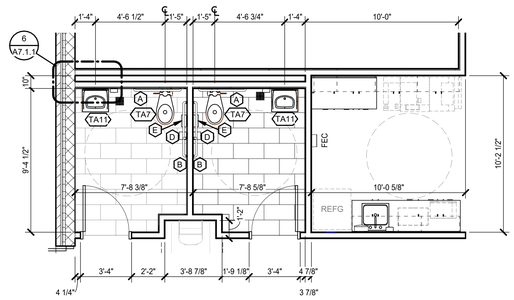
A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR-SUCH AS CERAMIC TILE-DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.

B. CLEAR DIMENSIONS ARE TO FACE OF APPLIED WALL AND PARTITION FINISHES.

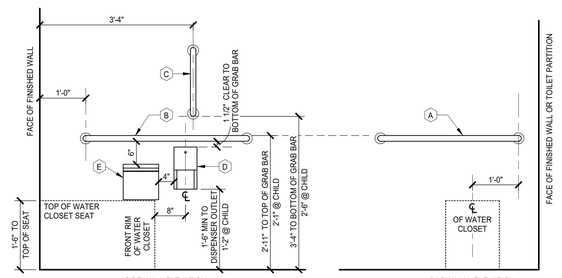
C. OWNER FURNISHED, OWNER INSTALLED TOILET PAPER DISPENSER, SOAP DISPENSER, PAPER TOWEL DISPENSER




6 A2.1 A7.1.1 **TOILET ROOM WALLS**
1 1/2" = 1'-0"




5 A2.1 A7.1.1 **TOILETS, SINK ENLARGED PLAN**
1/4" = 1'-0"

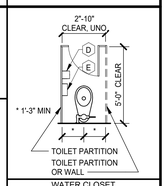
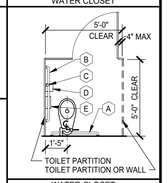
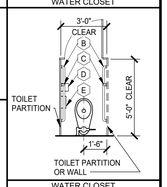
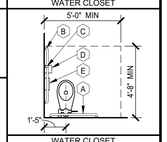
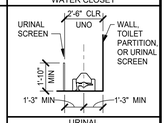
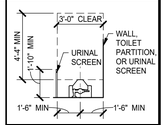



## WATER CLOSET ELEVATIONS

3/4" = 1'-0"

## TOILET ASSEMBLIES

APPLIES TO DRAWINGS A7.1 - A7.nn
REPRESENTED BY (TAn)

| MARK | REMARKS | PLAN |
|---|---|---|
| TA1 | |  |
| TA2 | OMIT (E) | |
| | | WATER CLOSET |
| BARRIER FREE | | |
| TA3 | |  |
| BARRIER FREE | | |
| TA4 | OMIT (E) | |
| | | WATER CLOSET |
| BARRIER FREE | | |
| TA5 | |  |
| BARRIER FREE | | |
| TA6 | OMIT (E) | |
| | | WATER CLOSET |
| BARRIER FREE | | |
| TA7 | |  |
| BARRIER FREE | | |
| TA8 | OMIT (E) | |
| | | WATER CLOSET |
| TA9 | |  |
| | | URINAL |
| BARRIER FREE | | |
| TA10 | |  |
| | | URINAL |

LEGEND NOTES:

A. HANDING/ORIENTATION MAY VARY. REFER TO PLANS FOR PROPER ORIENTATION.

B. PLUMBING FIXTURE GRAPHICS IN THIS LEGEND ARE REPRESENTATIVE ONLY. ACTUAL PLUMBING FIXTURES MAY VARY.

C. PROVIDE TOILET COMPARTMENT COAT HOOK WITH BUMPER, MOUNTED CENTERED ON INSIDE FACE OF TOILET COMPARTMENT DOORS, AT 3'-11" TO TOP.

## TOILET ACCESSORIES SCHEDULE

| MARK | DESCRIPTION | MOUNTING HEIGHT | REMARKS |
|---|---|---|---|
| A | 36" HORIZONTAL GRAB BAR | REFER TO WATER CLOSET ELEVATIONS | |
| B | 42" HORIZONTAL GRAB BAR | REFER TO WATER CLOSET ELEVATIONS | |
| C | 18" VERTICAL GRAB BAR | REFER TO WATER CLOSET ELEVATIONS | |
| D | TOILET TISSUE DISPENSER | REFER TO WATER CLOSET ELEVATIONS | OWNER PROVIDED. NIC. |
| E | SANITARY NAPKIN DISPOSAL | REFER TO WATER CLOSET ELEVATIONS | |
| F | SOAP DISPENSER | 3'-4" AFF TO DISPENSING OUTLET | OWNER PROVIDED. NIC. |
| G | MIRROR (18" x 36"), OVER LAV AND COUNTERTOP | 3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE | |
| Q | PAPER TOWEL DISPENSER | 3'-8" AFF TO DISPENSING OUTLET OR OPERABLE PART IF PRESENT (e.g. CRANK, BUTTON, SENSOR) | OWNER PROVIDED. NIC. |

1. ACCESSORY ITEMS ARE IDENTIFIED BY (A) ON PLANS. LETTERS CORRESPOND TO SCHEDULE ABOVE.
2. ACTUAL DIMENSIONS OF ACCESSORIES MAY VARY. COORDINATE DIFFERENCES, IF ANY.
3. REFER TO ALL CASEWORK ELEVATIONS FOR ADDITIONAL TOILET ACCESSORY LOCATIONS.
4. PROVIDE MOP AND BROOM HOLDER W/ SHELF (A) AT ALL CUSTODIAL/JANITORIAL SINKS. MOUNT AT 5'-0" AFF TO CENTERLINE AND LOCATE ON SIDE WALL OF SINK (NOT ON WALL ABOVE FAUCET).
5. PROVIDE ROBE HOOK ON INTERIOR FACE OF ALL TOILET ROOM DOORS WHEREIN ONLY ONE WATER CLOSET IS PROVIDED. MOUNT AT 3'-11" AFF TO TOP.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LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
4851-01-26
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLANS

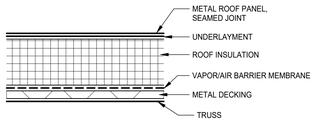
A7.1.1

5/4/2026 3:18:55 PM

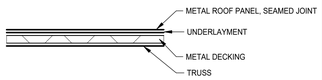
## ROOF ASSEMBLIES

APPLIES TO A10.1.n AND A10.2.n SERIES OF DRAWINGS
REPRESENTED BY n

**RFA1**




**RFA2**




## ROOF PLAN KEYNOTES

REPRESENTED BY n

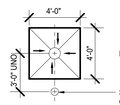
APPLIES TO DRAWINGS A10.1 - A10.n

| | |
|---|---|
| 1 | PREFABRICATED CANOPY |
| 3 | 5" K STYLE, PREFINISHED ALUMINUM GUTTER TO MATCH EXISTING ADJACENT BUILDING |
| 4 | VENT STACK. REFERENCE P5.1. |
| 5 | NOT USED |
| 6 | 3" RECTANGULAR ALUMINUM DOWNSPOUT, PREFINISHED TO MATCH EXISTING ADJACENT BUILDING. DO NOT BLOCK BUILDING CAMERA LOCATIONS |
| 7 | 3 5/8" CFSF STUD LOOKOUT |
| 8 | CLIPS FOR SOFFIT |
| 9 | METAL FASCIA TRIM, LAP WITH RAKE TRIM. PREFINISHED TO MATCH EXISTING ADJACENT BUILDING. |
| 10 | ALUMINUM CONTINUOUS PERFORATED SOFFIT VENT,FINISH TO MATCH EXISTING ADJACENT BUILDING |
| 11 | FIBER-CEMENT SIDING, PAINT TO MATCH EXISTING ADJACENT TRIM |
| 12 | STANDING SEAM METAL ROOF. ROOF COLOR TO MATCH EXISTING SHINGLES ON ADJACENT BUILDING. |
| 13 | METAL RAKE TRIM, LAP WITH FASCIA TRIM. PREFINISHED TO MATCH EXISTING ADJACENT BUILDING. |
| 14 | VAPOR/AIR BARRIER MEMBRANE |
| 15 | WIDE FLANGE BEAM, PAINTED. REFER TO SHEET S2.0.1. |
| 16 | APPROXIMATE SECURITY CAMERA LOCATION. OWNER FURNISHED. REFER TO SHEET E2.1. |
| 17 | METAL FASCIA TRIM, PREFINISH TO MATCH EXISTING ADJACENT BUILDING |
| 18 | ALUMINUM CHANNEL |
| 19 | UNDERLAYMENT |
| 21 | METAL FASCIA TRIM OVER 2 1/2" CFSF STUD |
| 22 | METAL DECKING |
| 23 | WALL-MOUNT CAMERA. PROVIDED BY OWNER. REFERENCE SHEET E2.1 |
| 24 | SLOPED CURB CAP AT EXHAUST. REFERENCE SHEET M5.1 |
| 25 | PRE-MANUFACTURED CANOPY ROOF HEIGHT TO MATCH EXISTING ADJACENT BUILDING FASCIA HEIGHT |
| 26 | GABLE ROOF OVERLAPS PREFAB CANOPY ROOF |
| 27 | REFERENCE SHEET S2.0.1 FOR CFSF-S CLOSURE PIECE |
| 28 | BLOCKING |
| 29 | EXTERIOR WALL LIGHTING. REFERENCE SHEET E2.1 |
| 30 | STAGGER SNOW GUARDS ALONG ENTIRE LENGTH OF EAVE |

## ROOF PLAN LEGEND

APPLIES TO DRAWINGS A10.1.1 - A10.1.n

REFER TO M, E & FP DRAWINGS FOR ROOF SYMBOLS NOT INDICATED BELOW




PRIMARY ROOF DRAIN AND SUMP

SECONDARY/EMERGENCY OVERFLOW (WHERE OCCURS)

DS — GUTTER AND DOWNSPOUT (RECTANGULAR SHOWN, MAY BE ROUND IF SPECIFIED)

ROOF ACCESS HATCH

SCUPPER

CRICKET

WALKWAY PATH

INDICATES DIRECTION OF ROOF ASSEMBLY SLOPE

## ROOF PLAN GENERAL NOTES

A. ALL ROOF ASSEMBLIES: RFA1, UNO.

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

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

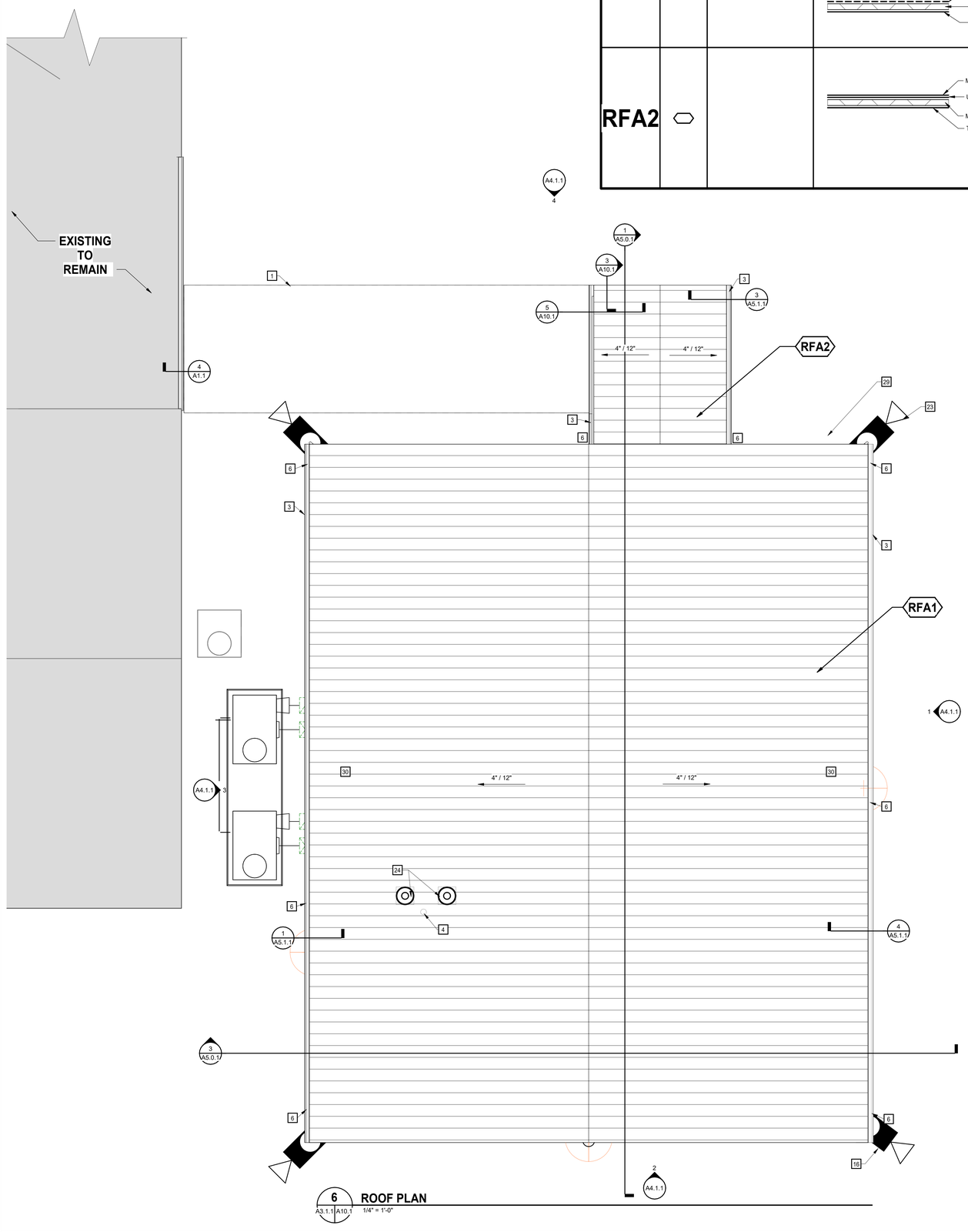
D. ROOF DETAILS MAY NOT ENTIRELY REPRESENT ACTUAL CONSTRUCTION CONDITIONS. ACTUAL DETAIL ASSEMBLIES SHALL BE APPROVED BY ROOFING MANUFACTURER.

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

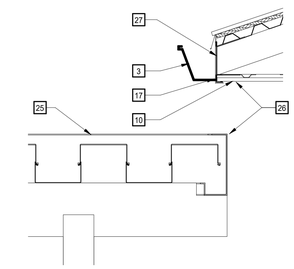
F. PROVIDE CRICKETS AT DRAINS, WALLS, CURBS, MECHANICAL EQUIPMENT, AND OTHER OBSTRUCTIONS SUCH THAT 1/4" PER FOOT MINIMUM POSITIVE DRAINAGE SLOPE IS MAINTAINED AT ALL SUCH AREAS.

G. PROVIDE DOUBLE-LAYER OF MEMBRANE ROOFING MATERIAL UNDER SPLASH BLOCKS.

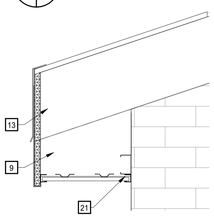
H. CENTER ALL PENETRATIONS BETWEEN RIBS OF METAL ROOFING. PIPING, DUCTWORK AND CURBS SHALL BE OFFSET AS REQUIRED TO ACHIEVE PENETRATIONS CENTERED BETWEEN RIBS.



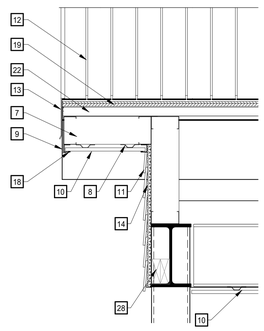

**6 ROOF PLAN** (A3.1.1, A10.1) 1/4" = 1'-0"



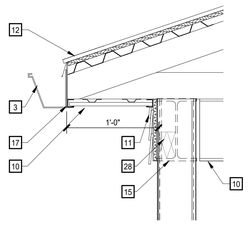
**5 GABLE ENTRY & PREFAB CANOPY** (A4.1.1, A10.1) 1 1/2" = 1'-0"



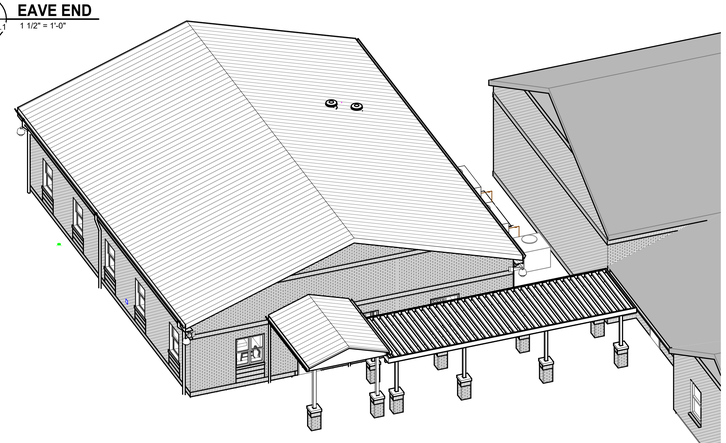
**4 EAVE END** (A4.1.1, A10.1) 1 1/2" = 1'-0"



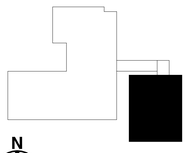
**3 GABLE END** (A5.0.1, A10.1) 1 1/2" = 1'-0"



**2 FASCIA SECTION AT ENTRY** (A4.1.1, A10.1) 1 1/2" = 1'-0"



**1 ROOF VIEW** (A10.1) NO SCALE



KEY PLAN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MOSELEYDESIGNS.COM


JOSHUA N. BENNETT — REGISTERED ARCHITECT — 13947 — 5/4/2026 — NORTH CAROLINA — RALEIGH, NC

MOSELEY ARCHITECTS, P.C. — REGISTERED ARCHITECTURAL CORPORATION — 50149 — NORTH CAROLINA — RALEIGH, NC

LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
4851-01-26
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

ROOF PLAN

A10.1

5/4/2026 3:18:58 PM

1 / A3.1.1 FE2.1 **FURNITURE PLAN**

1/4" = 1'-0"

**FURNITURE NOT IN CONTRACT. FURNITURE PLANS FOR COORDINATION ONLY.**

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|---|---|
| DATE | DESCRIPTION |

**FURNITURE PLAN**

**FE2.1**

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## STRUCTURAL ABBREVIATIONS

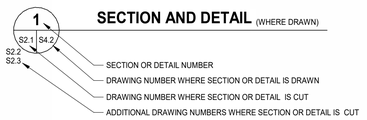
| | | | |
|---|---|---|---|
| AB | ANCHOR BOLT | HS | HIGH STRENGTH |
| AESS | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL | HSS | HOLLOW STRUCTURAL SECTION |
| | | HT | HEIGHT |
| AFF | ABOVE FINISHED FLOOR | ID | INSIDE DIAMETER |
| ALUM | ALUMINUM | IN | INCH |
| APPROX | APPROXIMATE | INFO | INFORMATION |
| ARCH | ARCHITECTURAL, ARCHITECT | INT | INTERIOR |
| AVG | AVERAGE | JBE | JOIST BEARING ELEVATION |
| BF | BRACE FRAME | JS | JOIST SUBSTITUTE |
| BLDG | BUILDING | JST | JOIST |
| BM | BEAM | JT | JOINT |
| BMC | BUILDING MOUNTED CANOPIES | K | KIP |
| BOT | BOTTOM | LBS | POUNDS |
| BRG | BEARING | LF | LINEAR FEET (FOOT) |
| BTWN | BETWEEN | LLH | LONG LEG HORIZONTAL |
| CANT | CANTILEVER | LLV | LONG LEG VERTICAL |
| CFSF | COLD FORMED STEEL FRAMING | M | METER(S) |
| CIP | CAST IN PLACE | MAS | MASONRY |
| CJ | CONTROL JOINT | MATL | MATERIAL |
| CLG | CEILING | MAX | MAXIMUM |
| CLR | CLEAR | MBMA | METAL BUILDING MANUFACTURER'S ASSOC |
| CMU | CONCRETE MASONRY UNIT | | |
| COL | COLUMN | MBS | METAL BUILDING SYSTEM |
| CONC | CONCRETE | MECH | MECHANICAL |
| CONN | CONNECTION | MFR | MANUFACTURER |
| CONSTR | CONSTRUCTION | MIN | MINIMUM |
| CONT | CONTINUOUS | MM | MILLIMETER(S) |
| CTR | CENTER | NOM | NOMINAL |
| DBA | DEFORMED BAR ANCHOR | NS | NON SHRINK |
| DBL | DOUBLE | OC | ON CENTER |
| DIA | DIAMETER | OD | OUTSIDE DIAMETER |
| DIAG | DIAGONAL | OFCI | OWNER FURNISHED CONTRACTOR INSTALLED |
| DIM | DIMENSION | | |
| DN | DOWN | OPNG | OPENING |
| DWG | DRAWING | OPP | OPPOSITE |
| EA | EACH | PAF | POWDER-ACTUATED FASTENERS |
| EF | EACH FACE | PC CONC | PRECAST CONCRETE |
| EJ | EXPANSION JOINT | PFBC | PRE-FABRICATED BUILDING COLUMN |
| EL | ELEVATION | PLF | POUNDS PER LINEAR FOOT |
| ELECT | ELECTRICAL | POLY | POLYETHYLENE |
| ELEV | ELEVATOR | PPT | PRESSURE PRESERVATIVE TREATED |
| EOD | EDGE OF DECK | PSF | POUNDS PER SQUARE FOOT |
| EOS | EDGE OF SLAB | PTFE | POLYTETRAFLUOROETHYLENE |
| EQ | EQUAL | R | RADIUS |
| EW | EACH WAY | RD | ROOF DRAIN |
| EX | EXISTING | REF | REFERENCE |
| EXP | EXPANSION | REINF | REINFORCING, REINFORCED |
| EXT | EXTERIOR | REQ'D | REQUIRED |
| FB | FIXED BASE | SCH | SCHEDULE |
| FD | FLOOR DRAIN | SIM | SIMILAR |
| FDN | FOUNDATION | SL | SLOPE |
| FF | FINISHED FLOOR | SOG | SLAB ON GRADE |
| FIN | FINISHED | SPA | SPACES |
| FLR | FLOOR | SS | STAINLESS STEEL |
| FOB | FACE OF BRICK | STD | STANDARD |
| FOC | FACE OF CONCRETE | STIFF | STIFFENER |
| FOM | FACE OF MASONRY | STRUCT | STRUCTURAL |
| FRMG | FRAMING | SUSP | SUSPENDED |
| FRT | FIRE RETARDANT TREATED | SYM | SYMMETRY(RICAL) |
| FT | FOOT | T&B | TOP AND BOTTOM |
| FTG | FOOTING | T&G | TONGUE AND GROOVE |
| GA | GAGE | TF | TRANSFER FORCE |
| GALV | GALVANIZED | TOC | TOP OF CONCRETE |
| GB | GRADE BEAM | TOS | TOP OF STEEL |
| GC | GENERAL CONTRACTOR | TOSL | TOP OF SLAB |
| GRD | GRADE | TOW | TOP OF WALL |
| HD | HEADED | TYP | TYPICAL |
| HK | HOOK | UNO | UNLESS NOTED OTHERWISE |
| HORIZ | HORIZONTAL | VB | VAPOR BARRIER |
| | | VERT | VERTICAL |
| | | VIF | VERIFY IN FIELD |
| | | VR | VAPOR RETARDER |
| | | WP | WORK POINT |
| | | WWF | WELDED WIRE FABRIC |

## PLAN LEGEND

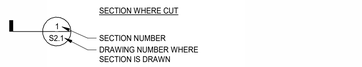
| | |
|---|---|
| ℄ | CENTERLINE |
| BP1, BP2 ... | BEAM BEARING PLATE |
| BP-A, BP-B ... | COLUMN BASE PLATE |
| T-1, T-2 ... | TRUSS |
| WP1, WP2 ... | WOOD POST |
| P-1, P-2 ... | CONCRETE PIER |
| | WALL FOOTING STEP |
| -X'-X" | TOP OF FOOTING ELEVATION |
| WP | WORK POINT |
| (X'-X") | TOP OF SLAB ELEVATION |
| L1, L2 ... | LINTEL |
| X.X | COLUMN FOOTING |
| (+X'-X") | TOP OF STEEL BEAM ELEVATION |
| (SL) | INDICATES TOP OF STRUCTURAL MEMBER SHALL BE SLOPED |
| WFX.X | WALL FOOTING |
| | THICKENED SLAB |
| (EX) | EXISTING |
| TF | TRANSFER FORCE |
| #X@XX" | CMU WALL REINFORCING SIZE AND SPACING |
| | CHANGE IN SLAB ELEVATION |
| TCX | TOP CHORD EXTENSION |
| A | GRID LINE |
| EXA | EXISTING GRID LINE |

## LEGEND FOR SECTION AND DETAIL MARKS

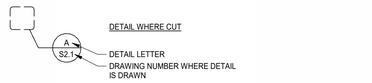
### SECTION AND DETAIL (WHERE DRAWN)




SECTION WHERE CUT




DETAIL WHERE CUT




## DESIGN LOAD DATA

1. CLASSIFICATION OF BUILDING — RISK CATEGORY (IBC TABLE 1604.5): II

2. FLOOR LIVE LOADS

| | UNIFORM | CONCENTRATED |
|---|---|---|
| OFFICES | 50 PSF | 2000 LB |
| PARTITION ALLOWANCE | 15 PSF | WHERE UNIFORM LIVE LOAD IS LESS THAN 80 PSF |

3. ROOF LIVE LOADS

| | | |
|---|---|---|
| MINIMUM ROOF LIVE LOAD | 20 PSF | 300 LB |

REDUCTION OF MINIMUM ROOF LIVE LOAD HAS NOT BEEN UTILIZED.

4. DEAD LOADS

| | |
|---|---|
| ROOF | 25 PSF |

5. ROOF SNOW LOAD

| | |
|---|---|
| GROUND SNOW LOAD (Pg) | 15 PSF |
| IMPORTANCE FACTOR (Is) | 1.0 |
| EXPOSURE FACTOR (Ce) | 1.0 |
| THERMAL FACTOR (CI) | 1.0 |
| FLAT ROOF SNOW LOAD (Pf = 0.7 x Ce x Ct x Is x Pg) | 10.5 PSF |
| MINIMUM Pf FOR Pg = 20 PSF OR LESS Pf min = I x Pg | 15 PSF |
| SLOPED ROOF SNOW LOAD (Ps = Cs x Pf) | 10.5 PSF |

6. WIND DESIGN DATA

| | |
|---|---|
| ULTIMATE DESIGN WIND SPEED (3 SECOND GUST) | 115 MPH |
| NOMINAL DESIGN WIND SPEED (3 SECOND GUST) | 90 MPH |
| EXPOSURE | B |
| INTERNAL PRESSURE COEFFICIENT (GCpi) | ±0.18 (ENCLOSED) |
| COMPONENTS AND CLADDING WIND PRESSURE | REFER TO ROOF WIND PRESSURE DIAGRAM |

7. SEISMIC DESIGN DATA

| | |
|---|---|
| SEISMIC DESIGN CATEGORY | C |
| SEISMIC IMPORTANCE FACTOR (Ie) | 1.00 |
| SITE CLASS | D |
| MAPPED SPECTRAL RESPONSE ACCELERATIONS (Ss) | 0.189 |
| (S1) | 0.088 |
| DESIGN SPECTRAL RESPONSE ACCELERATIONS (Sds) | 0.202 |
| (Sd1) | 0.141 |
| BASIC SEISMIC FORCE RESISTING SYSTEM: | A. BEARING WALL SYSTEM<br>B. INTERMEDIATE REINFORCED MASONRY SHEAR WALLS |
| ALL STEEL SYSTEMS ARE: | H. SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE. |
| RESPONSE MODIFICATION COEFFICIENT (R) | 3.5 |
| SYSTEM OVERSTRENGTH FACTOR | 2.5 |
| DEFLECTION AMPLIFICATION FACTOR | 2.25 |
| SEISMIC RESPONSE COEFFICIENT (Cs) | 0.062 |
| DESIGN BASE SHEAR (V = Cs x W) | 0.062W |
| ANALYSIS PROCEDURE | EQUIVALENT LATERAL FORCE PROCEDURE |
| SEISMIC DESIGN BASE SHEARS | $V_{N-S}$ = 12 KIPS $V_{E-W}$ = 12 KIPS |

## STRUCTURAL MATERIALS LEGEND

EARTH

CAST IN PLACE CONCRETE

CLAY BRICK

HOLLOW CONCRETE BLOCK

SPLIT-FACE CONCRETE BLOCK

GROUT FILLED CONCRETE BLOCK

PRECAST CONCRETE, CAST STONE

POROUS FILL OR GRANULAR BASE COURSE

## POST INSTALLED ANCHORS & DOWELS

1. INSTALL ALL ANCHORS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED PROCEDURES AT NOT LESS THAN THE MINIMUM EDGE DISTANCES INDICATED IN THE MANUFACTURER'S LITERATURE. SUBMIT MANUFACTURER'S PRODUCT DATA FOR REVIEW BY THE ARCHITECT.

2. ALL ANCHORS (INCLUDING THREADED RODS, NUTS, WASHERS) SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633, FOR SERVICE CONDITION SC-1.

3. SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING:

   SCREW-BOLT +, BY DEWALT
   TITEN HD, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
   KWIK HUS-EZ, BY HILTI

   HOLE DIAMETER THROUGH STEEL MEMBER SHALL BE AS REQUIRED BY ANCHOR MANUFACTURER.

   MINIMUM SCREW ANCHOR EMBEDMENTS SHALL BE AS FOLLOWS, UNO:
   4" EMBEDMENT FOR 1/2" DIAMETER ANCHOR
   5" EMBEDMENT FOR 5/8" DIAMETER ANCHOR
   6" EMBEDMENT FOR 3/4" DIAMETER ANCHOR

4. ADHESIVE ANCHORS SHALL CONSIST OF THREADED ROD (ASTM A36), HEX NUT (ASTM A563), WASHER (ASTM F436), AND ADHESIVE (TYPE PER NOTES A, B OR C BELOW).

   ADHESIVE DOWELS SHALL CONSIST OF DEFORMED REINFORCING BAR (ASTM A615, GRADE 60) AND ADHESIVE (TYPE PER NOTE A BELOW)

   A. "ADHESIVE ANCHORS" OR "ADHESIVE DOWELS" INSTALLED IN SOLID CONCRETE SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:

      HYBRID (FAST CURE)

      AC200+ BY DEWALT
      AT-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
      HIT-HY 200-V3, BY HILTI

      EPOXY (SLOW CURE)

      PURE 110+, BY DEWALT
      SET-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
      HIT RE 500-V3 EPOXY ADHESIVE, BY HILTI

   B. "ADHESIVE ANCHORS" INSTALLED IN SOLID GROUT FILLED CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:

      HIT-HY 270, BY HILTI
      AC 100+ GOLD, BY DEWALT
      SET-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS

   C. "SCREEN TUBE ANCHORS" INSTALLED IN HOLLOW CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:

      HIT-HY 270, BY HILTI
      AC 100+ GOLD, BY DEWALT
      SET-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS

   BASIS OF DESIGN INCLUDES THE FOLLOWING DESIGN PARAMETERS:
   (1) CRACKED CONCRETE.
   (2) ALLOWABLE WITH HAMMER-DRILL, HOLLOW DRILL BIT SYSTEM, AND CORE DRILLING METHODS.
   (3) CURRENT ICC-ES REPORT WITH APPROVAL FOR DEVELOPMENT OF BAR USING ACI PROVISIONS FOR EMBEDMENT DEPTHS GREATER THAN 20 BAR DIAMETERS

   INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.

   OVERHEAD ADHESIVE ANCHORS SHALL BE INSTALLED USING A PISTON PLUG SYSTEM.

   FOR PROJECTS MEETING IBC 2012 OR LATER, ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION IS REQUIRED FOR ALL INSTALLERS OF ADHESIVE ANCHORS IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATION. THE HILTI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM (HAAICP) IS AN APPROVED EQUIVALENT.

   THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD SHALL RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.

   EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS BY GPR, X-RAY, CHIPPING OR OTHER APPROVED METHODS.

## GENERAL

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE (NCBC), 2018 EDITION.
2. THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.
3. THE CONTRACT DOCUMENTS ARE COMPLIMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
4. VERIFY AND COORDINATE MECHANICAL UNIT SUPPORTS AND OPENINGS WITH EQUIPMENT PURCHASED FOR THE PROJECT. COORDINATE REQUIREMENTS FOR SLEEVES, HANGERS, INSERTS, ANCHORS AND ALL OTHER ITEMS TO BE SET IN STRUCTURAL WORK.
5. SPECIAL INSPECTIONS ARE REQUIRED BY THE NCBC, SECTION 1704.
   REFER TO THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THIS PROJECT AND THE PROJECT SPECIFICATIONS FOR SPECIFIC INSPECTION REQUIREMENTS.
   REFER TO SPECIFICATION SECTION 014000 FOR GENERAL INSPECTION REQUIREMENTS. SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS IN COMPLIANCE WITH IBC SECTION 1704.2.4. USE OF "GENERAL CONFORMANCE" OR "GENERAL ACCORDANCE" IS UNACCEPTABLE.
6. CONTRACTOR SHALL CONDUCT PRE-INSTALL MEETINGS ON PROJECT SITE PRIOR TO COMMENCEMENT OF WORK. REFER TO PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS. GENERAL CONTRACTOR WILL CONDUCT THE MEETING AND SHALL BE RESPONSIBLE FOR THE ATTENDANCE OF ALL REQUIRED TRADES AND SUBCONTRACTORS INCLUDING THE SPECIAL INSPECTOR.

## FOUNDATIONS

1. FOUNDATIONS ARE DESIGNED TO BEAR ON ORIGINAL UNDISTURBED SOIL OR CONTROLLED COMPACTED FILL WITH AN ALLOWABLE BEARING CAPACITY OF 2000 PSF, IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY FROEHLING & ROBERTSON, INC. DATED FEBRUARY 27,2026.
2. THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY SHALL VERIFY BEARING CAPACITY AND SUITABILITY OF SUBGRADE PRIOR TO PLACING FOUNDATIONS AND GRADE SLABS.
3. SELECT AND PLACE CONTROLLED COMPACTED FILL UNDER DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY.
4. FOOTING STEPS FOR UNDERSLAB UTILITIES INDICATED ON FOUNDATION PLANS SHALL BE CONSIDERED APPROXIMATE. COORDINATE FOOTINGS WITH ACTUAL LOCATION, SIZE AND INVERT OF ALL UNDERGROUND PIPE (AND CONDUIT). REFER TO "FOOTING STEP" DETAIL TO STEP WALL FOOTING DOWN TO ALLOW UNDERSLAB PIPING TO PASS ABOVE THE FOOTING. ALTERNATELY, REFER TO "FOOTING SLEEVE" AND "PIPE TRENCH BACKFILL AT FOOTING" DETAILS TO ALLOW UNDERSLAB PIPING TO PASS BELOW THE TOP OF THE WALL FOOTING.
5. AVOID INFLUENCE OF PIPE TRENCH PARALLEL TO WALL FOOTING AND / OR ADJACENT TO COLUMN FOOTING. REFER TO "FOOTING EXCAVATION LIMITS".
6. PROTECT FOOTINGS AND GRADE SLABS FROM FROST HEAVE UNTIL BUILDING IS PERMANENTLY ENCLOSED.
7. BRACE WALLS PLUMB WHICH ARE SUBJECTED TO UNBALANCED BACKFILL UNTIL PERMANENTLY STABILIZED BY STRUCTURE.

## CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE".
2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN ULTIMATE 28 DAY COMPRESSIVE STRENGTHS (F'c), AS FOLLOWS:

CONCRETE MATERIAL SCHEDULE (NOTE 11)

| BUILDING ELEMENT | DURABILITY REQUIREMENTS CATEGORIES AND CLASSES (NOTE 3) (F) | (S) | (W) | (C) | f'c (psi) 28 DAY STRENGTH | MAX W/C (NOTE 4) | AIR ENTRAINMENT (NOTE 5) | UNIT WEIGHT PCF (NOTE 6) | MAX AGGREGATE (NOTE 7 & 9) | CEMENT (ASTM C150) | CL % (NOTE 10) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SPREAD FOOTINGS AND WALL FOOTINGS | F0 | S0 | W1 | C1 | 3,500 | 0.55 | 4.5 | 145 | 1 1/2" | II | 0.30 |
| INTERIOR SLABS ON GRADE | F0 | S0 | W0 | C0 | 3,500 | 0.50 | NOTE 8 | 145 | 3/4" | I / II | 1.00 |
| INTERIOR COLUMNS, WALLS AND PIERS | F0 | S0 | W0 | C0 | 4,000 | 0.50 | N/A | 145 | 3/4" | I / II | 1.00 |
| EXTERIOR SLABS ON GRADE | F2 | S0 | W1 | C1 | 4,500 | 0.45 | 6.0 | 145 | 3/4" | I / II | 0.30 |
| EXTERIOR COLUMNS, WALLS AND PIERS | F1 | S0 | W1 | C1 | 4,000 | 0.50 | 5.0 | 145 | 3/4" | II | 0.30 |
| INTERIOR SLABS ON METAL DECK (LIGHT WT. CONC) | F0 | S0 | W0 | C0 | 3,500 | 0.55 | NOTE 8 | 115 | 3/4" | I / II | 1.00 |
| INTERIOR SLABS ON METAL DECK (NORMAL WT. CONC) | F0 | S0 | W0 | C0 | 3,500 | 0.55 | NOTE 8 | 145 | 3/4" | I / II | 1.00 |
| ELEVATED SLABS AND BEAMS | F0 | S0 | W0 | C0 | 4,000 | 0.50 | NOTE 8 | 145 | 3/4" | I / II | 1.00 |
| GRADE BEAMS | F1 | S0 | W1 | C1 | 4,000 | 0.50 | N/A | 145 | 3/4" | II | 0.30 |

3. THE DURABILITY EXPOSURE CLASS IDENTIFIED BY THE ENGINEER OF RECORD, IN ACCORDANCE WITH ACI 318, FOR EACH MIX DESIGN/BUILDING ELEMENT AND EXPOSURE CLASS, IS BASED ON ASSUMED SEVERITY OF THE ANTICIPATED EXPOSURE. IF THE CONCRETE IS TO BE INSTALLED IN A LOCATION OR CONDITION THAT IS MORE SEVERE THAN THE EXPOSURE IDENTIFIED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR ADJUST THE CONCRETE MIX REQUIREMENTS AS REQUIRED PER ACI 318.

   A. EXPOSURE CATEGORIES:
   - (F) FREEZE/THAW
   - (S) SULFATE
   - (W) WATER/PERMEABILITY
   - (C) CORROSION PROTECTION

4. MAX W/C REFERS TO MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO. MIXING WATER SHALL CONFORM TO ASTM C1602.
5. TARGET AIR ENTRAINMENT, ±1.5%. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED. AIR ENTRAINMENT IS OPTIONAL FOR FOOTINGS AND GRADE BEAMS NOT EXPOSED TO FREEZING.
6. DRY UNIT WEIGHT ±5 PCF. AGGREGATES TO CONFORM TO ASTM C33 FOR NORMAL WEIGHT CONCRETE (NWC) AND ASTM C330 FOR LIGHT WEIGHT CONCRETE (LWC).
7. CONCRETE BUILDING ELEMENTS IDENTIFIED WITH EXPOSURE CATEGORY F3 REQUIRE LIMITATIONS ON CEMENTITIOUS MATERIALS AS FOLLOWS:

| CEMENTITIOUS MATERIAL | MAX % OF TOTAL CEMENTITIOUS MATERIALS BY MASS |
|---|---|
| FLY ASH (ASTM C618) | 25 |
| SLAG CEMENT (ASTM C989) | 50 |
| SILICA FUME (ASTM C1240) | 10 |
| TOTAL FLY ASH, OTHER POZZOLANS AND SILICA FUME | 35 |
| TOTAL FLY ASH, OTHER POZZOLANS, SILICA FUME AND SLAG | 50 |

8. SLABS NOT RECEIVING A HARD TROWEL FINISH MAY BE AIR-ENTRAINED. NORMAL WEIGHT SLABS RECEIVING A HARD TROWEL FINISH SHALL NOT BE AIR-ENTRAINED. FINISHING METHODS FOR AIR-ENTRAINED LIGHTWEIGHT SLABS SHALL BE SUBMITTED PRIOR TO THE PRE-INSTALLATION MEETING AND WILL BE REVIEWED AT THE MEETING.
9. COMBINED AGGREGATE GRADING SHALL BE AS FOLLOWS:
   - FOR COARSE AGGREGATE WITH 1 1/2" NOMINAL MAXIMUM AGGREGATE SIZE, 8% TO 18% (BY WEIGHT) OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND ABOVE THE #100 SIEVE.
   - FOR COARSE AGGREGATE WITH 3/4" OR 1" NOMINAL MAXIMUM AGGREGATE SIZE, 8% TO 22% (BY WEIGHT) OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND ABOVE THE #100 SIEVE.
10. MAX WATER SOLUBLE CHLORIDE ION CONTENT PERCENTAGE, BY WEIGHT OF CEMENT.
11. CONCRETE MIXTURE PROPORTIONS SHALL BE ESTABLISHED IN ACCORDANCE WITH ARTICLE 4.2.3 OF ACI 301 OR BY AN ALTERNATIVE METHOD ACCEPTABLE TO THE ENGINEER OF RECORD. EACH MIX DESIGN SHALL IDENTIFY THE INTENDED LOCATION OF USE.
12. REINFORCING STEEL SHALL BE AS FOLLOWS:
   - REINFORCING BARS: ASTM A615, GRADE 60, DEFORMED
   - WELDED WIRE FABRIC: ASTM A1064, SHEET TYPE ONLY
   - WELDABLE REINFORCING BARS: ASTM A706 LOW ALLOW STEEL REINFORCING BARS, DEFORMED
   - DEFORMED BAR ANCHORS (DBA) ASTM A1064, DEFORMED
   - WELDING PER AWS D1.4 STRUCTURAL WELDING CODE - REINFORCING STEEL
13. MINIMUM CONCRETE COVER OVER REINFORCING SHALL BE UNO:
   - A. UNFORMED SURFACE CAST AGAINST EARTH 3 IN
   - B. FORMED SURFACE EXPOSED TO EARTH/WEATHER 2 IN
   - C. FORMED SLABS AND WALLS NOT EXPOSED TO EARTH/WEATHER FOR #11 AND SMALLER BAR 3/4 IN
   - D. ALL OTHER FORMED ELEMENTS NOT EXPOSED TO EARTH/WEATHER 1 1/2 IN
14. REQUIRED COMPRESSIVE STRENGTH OF STRUCTURAL PRECAST CONCRETE SHALL BE DETERMINED BY THE PRECAST CONCRETE MANUFACTURER'S ENGINEER, WITH THE MINIMUM COMPRESSIVE STRENGTH AS NOTED IN THE TABLE.

## FLOWABLE FILL

1. CONTROLLED LOW STRENGTH MATERIAL (CLSM), ALSO REFERRED TO AS FLOWABLE FILL, MAY BE SUBMITTED FOR APPROVAL AS A SUBSTITUTE FOR COMPACTED FILL AT FOUNDATION UNDERCUT LOCATIONS. THE CLSM MIXTURE SHALL BE PROPORTIONED TO PRODUCE AN UNCONFINED COMPRESSIVE STRENGTH OF 100 PSI MINIMUM TO 300 PSI MAXIMUM.

## PRE-FABRICATED COLD-FORMED STEEL TRUSS FRAMING

1. DESIGN COLD-FORMED STEEL TRUSSES FOR THE FOLLOWING LOADS.

   ROOF TRUSS

   A. TOP CHORD LIVE LOAD: 20 PSF (MIN)
   B. TOP CHORD DEAD LOAD: 10 PSF
   C. BOTTOM CHORD LIVE LOAD: 10 PSF
   D. BOTTOM CHORD DEAD LOAD 15 PSF
   E. RTU LOADS REFER TO ROOF PLAN
   F. SNOW LOADS REFER TO DESIGN LOAD DATA
   G. WIND REFER TO WIND PRESSURE DIAGRAM

2. SUBMIT DESIGN CALCULATIONS, ERECTION DRAWINGS AND DETAIL SHOP DRAWINGS INCLUDING DESIGN ASSUMPTIONS, LOADS, END REACTIONS, MEMBER SIZES AND PROPERTIES, CONNECTIONS, BRIDGING AND BRACING AND ACCESSORIES.
3. DESIGN CALCULATIONS, ERECTION DRAWINGS AND SHOP DRAWINGS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN NORTH CAROLINA.
4. LIMIT MIDSPAN DEFLECTION OF THE BOTTOM CHORD OF EACH TRUSS DUE TO LIVE LOAD TO SPAN/360 UNO. LIMIT MIDSPAN DEFLECTION OF THE BOTTOM CHORD OF EACH TRUSS DUE TO TOTAL LOAD TO SPAN/240 UNO.
5. DESIGN TRUSSES SUPPORTING OVERFRAMING FOR ADDITIONAL SUPERIMPOSED DEAD LOAD OF OVERFRAMING AND SHEATHING (MINIMUM 10 PSF).
6. TEMPORARY TRUSS BRACING SHALL BE DESIGNED BY THE SPECIALTY ENGINEER.
7. PERMANENT CONTINUOUS LATERAL BRACING OF THE WEB AND CHORD MEMBERS SHALL BE DESIGNED BY THE SPECIALTY ENGINEER AS REQUIRED FOR STABILITY OF INDIVIDUAL TRUSS MEMBERS.

## ACI 318 LAP LENGTHS

SPLICES IN THE REINFORCING STEEL SHALL BE ONLY AT THE LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS. LAP SPLICES SHALL BE IN ACCORDANCE WITH ACI 318 CHAPTER 25 AS INDICATED BELOW. TOP BAR LAPS (HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR) SHALL BE MODIFIED BY A MULTIPLICATION OF 1.3 TIMES THE LENGTHS LISTED IN THE TABLE BELOW. LENGTHS INDICATED IN INCHES.

NORMAL-WEIGHT (145 PCF)

| f'c (psi) | #3 | #4 | #5 | #6 | #7 | #8 | #9 |
|---|---|---|---|---|---|---|---|
| 3000 | 21 | 28 | 36 | 43 | 62 | 71 | 80 |
| 3500 | 20 | 26 | 33 | 40 | 58 | 66 | 74 |
| 4000 | 18 | 25 | 31 | 37 | 54 | 62 | 69 |
| 5000 | 17 | 22 | 28 | 33 | 48 | 55 | 62 |

## FIBER REINFORCING

1. SYNTHETIC MACRO-FIBER MAY BE SUBSTITUTED FOR WELDED WIRE FABRIC IN SLAB-ON-GRADE AND IN SLAB ON COMPOSITE STEEL FLOOR DECK, AND SHALL CONFORM TO ASTM C1116, TYPE III SYNTHETIC FIBER REINFORCED CONCRETE
   DOSAGE RATES SHALL BE DETERMINED BY FIBER MANUFACTURER TO PROVIDE FRC EQUIVALENT FLEXURAL STRENGTH (FE.3) EQUAL TO THE PERFORMANCE OF THE REINFORCING STEEL INDICATED FOR EACH SLAB CASE. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM C1609. DOSAGE SHALL NOT BE LESS THAN 4 LB PER CU YD IN ANY CASE.
2. FIBER SHALL BE ADDED AT THE CONCRETE BATCH PLANT.
3. FIBER SHALL BE INCLUDED IN THE CONCRETE MIX DESIGNS SUBMITTED FOR REVIEW.

## STEEL DECK

1. ALL STEEL DECK WORK SHALL CONFORM TO THE LATEST EDITION OF THE STEEL DECK INSTITUTE (SDI) "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS", AND AMERICAN IRON AND STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
2. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL".
3. PERMANENT LOADS SHALL NOT BE SUSPENDED FROM STEEL ROOF DECK UNLESS APPROVED BY ENGINEER OF RECORD.
4. STEEL DECK UP TO 2' DEEP SHALL BE INSTALLED WITH A MINIMUM OF 3 CONTINUOUS SPANS, UNLESS NOTED OTHERWISE. ANY LOCATIONS NOT MEETING THESE CONDITIONS SHALL BE SPECIFICALLY IDENTIFIED ON THE STEEL DECK SHOP DRAWINGS.
5. REFER TO "STEEL DECK SCHEDULE" FOR DECK TYPES AND FASTENING REQUIREMENTS.

## STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING AISC DOCUMENTS:
   AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
   AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
   RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS"
   AISC 341 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS"
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:

| | |
|---|---|
| WIDE FLANGE SHAPES, CHANNELS AND MISC CHANNELS | ASTM A992 (FY=50 KSI) |
| ANGLES, S-SHAPES AND M-SHAPES | ASTM A572 (FY=50 KSI) |
| PLATES & BARS (TO 4" THICK) | ASTM A572 (FY=50 KSI) |
| HOLLOW STRUCTURAL SECTIONS (HSS) | |
| SQUARE & RECTANGLE | ASTM A500, GRADE C (FY=50 KSI) |
| ROUND | ASTM A500, GRADE C (FY=50 KSI) |
| HIGH STRENGTH BOLTS (CONVENTIONAL) | ASTM F3125, GRADE A325 OR A490 (TYPE 1) |
| WASHERS | ASTM F436 (FLAT AND BEVELED) |
| HEAVY HEX NUTS | ASTM A563 |
| TWIST OFF TENSION CONTROL BOLTS | ASTM F3125, GRADE F1852 OR F2280 (TYPE 1) |
| COMPRESSIBLE-WASHER DIRECT-TENSION INDICATORS | ASTM F959 (TYPE 325 OR 490) |
| ANCHOR RODS | ASTM F1554, GRADE 55 INCLUDE SUPPLEMENT S1 |
| WELDING ELECTRODES | E70 (OW HYDROGEN) |
| HEADED SHEAR STUDS | AWS D1.1 CLAUSE 9, TYPE B (FY=51 KSI) |
| THREADED ROD | ASTM A36 |

3. UNLESS NOTED OTHERWISE, CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION, AS SIMPLE CONN

# SCHEDULE OF SPECIAL INSPECTIONS

| Inspections & Testing | Continuous | Periodic | Y / N | Reference Standard or Compliance Document | Agent |
|---|---|---|---|---|---|
| Inspection Agents | | | | | |
| 1. Special Inspection Engineer of Record: | | | | | |
| 2. Inspection and Testing Agency: | | | | | |
| 3. Steel Fabricator's Quality Control Inspector: | | | | | |
| 4. Structural Engineer of Record: | | | | | |
| 5. Mechanical Engineer of Record: | | | | | |
| 6. Electrical Engineer of Record: | | | | | |
| 7. Smoke Control Inspector: | | | | | |
| 1704.2.4 Report Requirement | | | | | |
| Special inspector to keep record of special inspections and furnish inspection reports to the building official and to the Registered Design Professional in responsible charge. | ● | | Y | IBC 1704.2.4 | 1 |
| 1704.2.5 Inspection of Fabricated Items | | | | | |
| Work done in fabricator shop requires inspection unless the fabricator is registered and approved in accordance with 1704.2.5.1. Where fabricator is approved, **provide fabricator certification document.** | | ● | Y | 1704.2.5 | 3 |
| At completion of fabrication, submit certificate of compliance to building official stating the work was performed in accordance with the approved construction documents. | | ● | Y | 1704.2.5.1 | 1 |
| 1704.4 Contractor Responsibility | | | | | |
| Each contractor responsible for the construction of a main wind- or seismic force resisting system, designated seismic system or a wind- or seismic-resisting component listed in the statement of special inspections shall submit a written statement of responsibility. | | ● | N | 1704.4 | - |
| 1704.5 Submittals to the Building Official | | | | | |
| Certificates of compliance for the fabrication of structural, load-bearing or lateral load-resisting members or assemblies on the premises of a registered and approval fabricator in accordance with Section 1704.2.5.1 | ● | | Y | 1704.5<br>1704.2.5.1 | 3,4 |
| Certificates of compliance for the seismic qualification of nonstructural components, supports and attachments in accordance with Section 1705.13.2 | ● | | N | 1704.5<br>1705.13.2 | 3,4 |
| Certificates of compliance for designated seismic systems in accordance with Section 1705.13.3 | ● | | N | 1704.5<br>1705.13.3 | 3,4 |
| Reports of preconstruction tests for shotcrete in accordance with Section 1908.5 | ● | | N | 1704.5, 1908.5 | 2,4 |
| Certificates of compliance for open web steel joist and joist girders in accordance with Section 2207.5 | ● | | N | 1704.5, 2207.5 | 3,4 |
| Reports of material properties verifying compliance with the requirements of AWS D1.4 for weldability as specified in Section 26.5.4. of ACI 318 for reinforcing bar in concrete complying with a standard other than ASTM A 706 that are to welded | ● | | N | 1704.5, AWS D1.4<br>26.6.4 of ACI 318<br>ASTM A 706 | 2,4 |
| Reports of mill tests in accordance with Section 20.2.2.5 of ACI 318 for reinforcing bars complying with ASTM A 615 and used to resist earthquake-induced flexural or axial forces in the special moment frames, special structural walls or coupling beams connecting special structural walls of seismic force-resisting systems in structures assigned to Seismic Design Category B, C, D, E, or F | ● | | N | 1704.5<br>20.2.2.5 of ACI 318<br>ASTM A 615 | 3,4 |
| 1705.2 Steel Construction | | | | | |
| Structural steel inspections and non-destructive testing shall be in accordance with the quality assurance inspection requirements of AISC 360-10 | | | | 1705.2.1<br>AISC 360-10 | |
| **Prior to Welding (AISC 360-10 Table N5.4-1)** | | | | | |
| Welding procedure specifications (WPSs) available | ● | | Y | AISC 360-10 Table N5.4-1 | 1,4 |
| Manufacturer certifications for welding consumables | ● | | Y | | 1,4 |
| Material identification (type/grade) | | ● | Y | | 3,4 |
| Welder identification system | | ● | Y | | 3,4 |
| Fit-up of groove welds (including joint geometry) | | ● | N | | 2,3 |
| a. Joint preparation | | | | | |
| b. Dimensions (Alignment, root open, root face, bevel) | | | | | |
| c. Cleanliness (Condition of steel surfaces) | | | | | |
| d. Tacking (tack weld quality and location) | | | | | |
| e. Backing type and fit (if applicable) | | | | | |
| Configuration and finish of access holes | | ● | Y | | 3 |
| Fit-up of fillet welds | | ● | Y | | 2,3 |
| a. Dimensions (Alignment, root open, root face, bevel) | | | | | |
| b. Cleanliness (Condition of steel surfaces) | | | | | |
| c. Tacking (tack weld quality and location) | | | | | |
| **During Welding (AISC 360-10 Table N5.4-2)** | | | | | |
| Use of qualified welders | | ● | Y | AISC 360-10 Table N5.4-2 | 1,2 |
| Control and handling of welding consumables | | ● | Y | | 2 |
| a. Packaging | | | | | |
| b. Exposure control | | | | | |
| No welding over cracked tack welds | | ● | Y | | 2 |
| Environmental conditions | | ● | Y | | 2 |
| a. Wind speed within limits | | | | | |
| b. Precipitation and temperature | | | | | |
| WPS followed | | ● | Y | | 2 |
| a. Settings on welding equipment | | | | | |
| b. Travel speed | | | | | |
| c. Selected welding materials | | | | | |
| d. Shielding gas type/flow rate | | | | | |
| e. Preheat applied | | | | | |
| f. Interpass temperature maintained (min/max) | | | | | |
| g. Proper position (F, V, H, OH) | | | | | |
| h. Intermix of filler metals avoided unless approved | | | | | |
| Welding techniques | | ● | Y | | 2 |
| a. Interpass and final cleaning | | | | | |
| b. Each pass with profile limitations | | | | | |
| c. Each pass meets quality requirements | | | | | |
| **After Welding (AISC 360-10 Table N5.4-3)** | | | | | |
| Welds cleaned | | ● | Y | AISC 360-10 Table N5.4-3 | 1,2 |
| Size, length, and location of welds | ● | | Y | | 1,2 |
| Welds meet visual acceptance criteria | ● | | Y | | 1,2 |
| a. Crack prohibition | | | | | |
| b. Weld/base-metal fusion | | | | | |
| c. Crater cross section | | | | | |
| d. Weld profiles | | | | | |
| e. Weld size | | | | | |
| f. Undercut | | | | | |
| g. Porosity | | | | | |
| Arc strikes | ● | | Y | | 1,2 |
| k-area | ● | | Y | | 2 |
| Backing removed and weld tabs removed (if required) | ● | | Y | | 2 |
| Repair activities | ● | | Y | | 1,4 |
| Document acceptance or rejection of welded joint or member | ● | | Y | | |
| Placement of reinforcing or contouring fillet welds (if required) (ref: AISC 341-10) | ● | | N | | 2 |
| Backing removed, weld tabs removed and finished, and fillet welds added (if required) (ref: AISC 341-10) | ● | | N | | 2 |

| Inspections & Testing | Continuous | Periodic | Y / N | Reference Standard or Compliance Document | Agent |
|---|---|---|---|---|---|
| **Nondestructive Testing (AISC 360-10 Section N5.5)** | | | | | |
| Risk Category II Structures - Perform Ultrasonic Testing on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading, in materials 5/16 inches thick or greater. | | ● | N | AISC 360-10<br>Section N5.5 | 1,2 |
| Risk Category III or IV Structures - Perform Ultrasonic Testing on all CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints subject to transversely applied tension loading, in materials 5/16 inches thick or greater. | | ● | N | | 1,2 |
| Access holes - Perform Magnetic Particle Testing or Liquid Penetrant Testing when the flange thickness exceeds 2 inches for rolled shapes, or when the web thickness exceeds 2 inches for built-up shapes. | | ● | N | | 1,2 |
| Welded Joints Subject to Fatigue | ● | | N | | 1,2 |
| **Nondestructive Testing (AISC 341-10 Section J6.2)** | | | | | |
| k-area | ● | | N | AISC 341-10 Section J6.2 | 2 |
| CJP Groove weld | ● | | N | | 2 |
| Lamellar tearing | ● | | N | | 2 |
| Beam cope and access hole | ● | | N | | 2 |
| Reduced beam section repair | ● | | N | | 2,4 |
| Weld tab removal | ● | | N | | 2 |
| **Prior to Bolting (AISC 360-10 Table N5.6-1)** | | | | | |
| Manufacturer's certifications available for fastener materials | ● | | Y | AISC 360-10<br>Section N5.6-1 | 3,4 |
| Fasteners marked in accordance with ASTM requirements | | ● | Y | | 3,4 |
| Proper fasteners selected for the joint detail (grade, type, bolt length if threads are to excluded for shear plane) | | ● | Y | | 3,4 |
| Proper bolting pattern selected for joint detail | | ● | Y | | 2,4 |
| Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements | | ● | Y | | 2,4 |
| Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used (Not required for snug tight bolts) | | ● | N | | 1,2 |
| Proper storage provided for bolts, nuts, washers and other fastener components | | ● | Y | | 1,2 |
| **During Bolting (AISC 360-10 Table N5-6.2)** | | | | | |
| These inspections are not required for snug-tight joints.<br>These inspections are not required for pretensioned joints and slip-critical joints, when the installer is using the turn-of-nut method with matchmarking techniques, the direct-tension-indicator method, or the twist-off-type tension control bolt method. | | | | | |
| Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required | | ● | N | AISC 360-10<br>Section N5.6-2 | 2 |
| Joint brought to the snug-tight condition prior to pretensioning operation | | ● | N | | 2 |
| Fastener component not turned by the wrench prevented from rotating | | ● | N | | 2 |
| Fasteners are pretensioned in accordance with the RCSC specification, progressing systematically from the most rigid point toward the free edges | | ● | N | | 1,2 |
| **After Bolting (AISC 360-10 Table N5.6-3)** | | | | | |
| Document acceptance or rejection of bolted connections | | ● | Y | AISC 360-10 Table N5.6-3 | 1,2 |
| **Other Inspection Tasks (AISC 360-10 Section N5.7)** | | | | | |
| Verify compliance of fabricated steel with the details shown on the approved shop drawings | | ● | Y | AISC 360-10<br>Section N5.6-7 | 1,2 |
| Verify compliance of the erected steel frame with the details shown on the approved erection drawings, including braces, stiffeners, member location and joint details | | ● | Y | | 1,2 |
| Anchor rods and other embedment supporting structural steel | | ● | Y | | 1,2 |
| a. Verify the diameter, grade, type and length of the anchor rod or embedded item | | | | | |
| b. Verify the extent or depth of embedment into the concrete | | | | | |
| RBS requirements, if applicable (ref: AISC 341-10) | | ● | N | | 1,2 |
| a. Contour and finish | | | | | |
| b. Dimensional tolerances | | | | | |
| Protected zone - no holes and unapproved attachments made by fabricator or erector, as applicable (ref: AISC 341-10) | | ● | N | | 2 |
| H-Piles - Protected zone - no holes and unapproved attachments made by the responsible contractor, as applicable (ref: AISC 341-10) | | ● | N | | 4 |
| 1705.2.2 Cold-Formed Steel Deck | | | | | |
| Special inspections in accordance with QA/QC-2011 Standard for Quality control and Quality assurance for installation of steel deck | | ● | Y | 1705.2.2 | 4 |

| Inspections & Testing | Continuous | Periodic | Y / N | Reference Standard or Compliance Document | Agent |
|---|---|---|---|---|---|
| 1705.3 Concrete Construction | | | | | |
| Inspect reinforcing steel, including prestressing tendons, and verify placement. | | ● | Y | Table 1705.3 | 2 |
| Inspect reinforcing steel welding in accordance with steel construction section above | | ● | Y | | 2 |
| Inspect anchors cast in concrete | | ● | Y | | 2 |
| Inspect anchors post-installed in hardened concrete members | ● | | Y | | 1,2 |
| Verify use of approved design mix | | ● | Y | | 2 |
| Prior to placement fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete | ● | | Y | | 2 |
| Inspect concrete and shotcrete placement for proper application techniques | ● | | Y | | 2 |
| Inspect for maintenance of specified curing temperature and techniques | | ● | Y | | 2 |
| Inspect prestressed concrete for: | | | | | 1,2 |
| a. Application of prestressing forces | ● | | N | | |
| b. Grouting of bonded prestressing tendons in the seismic-force-resisting system | ● | | N | | |
| Inspect erection of precast structural members | | ● | N | | 1,2 |
| Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs | | ● | N | | 2 |
| Inspect formwork for shape, location and dimensions of the concrete member being formed | | ● | Y | | 1,2 |
| 1705.4 Masonry Construction | | | | | |
| Inspect masonry construction in accordance with 1705.4 and TMS 602-13/ACI 530.1-13/ASCE 6-13 Article 1.6 | | | | TMS 602-13/ACI 530.1-13<br>ASCE 6-13 Article 1.6 | 1,2 |
| **Level A Quality Assurance (Table 3)** | | | | | |
| Prior to construction verifiy certificates of compliance | | ● | Y | | 4 |
| **Level B Quality Assurance (Table 4)** | | | | | |
| **Test as follows:** | | | | | |
| Verify slump flow and Visual Stability Index (VSI) as delivered to the project site in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.5B.1.b.3 for self-consolidation grout | | ● | Y | | 2 |
| Verify f'm and f'aac in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.4B prior to construction, and for every 5000 square feet during construction | | ● | Y | | 2 |
| **Inspections as follows:** | | | | | |
| Verify compliance with the approved submittals and project specifications | | ● | Y | | 4 |
| At the start of masonry construction, verify: | | | | | |
| a. Proportions of site-prepared mortar | | ● | Y | | 2 |
| b. Construction of mortar joints | | ● | Y | | 2 |
| c. Grade and size of prestressing tendons and anchorages | | ● | N | | 2 |
| d. Location of reinforcement, connectors, prestressing tendons and anchorages | | ● | Y | | 2 |
| e. Prestressing technique | | ● | N | | 2 |
| f. Properties of thin-bed mortar for AAC masonry. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.) | ● | ● | N | | 2 |
| Prior to grouting, verify: | | | | | |
| a. Grout space is clean | | ● | Y | | 2 |
| b. Grade, type and size of reinforcement and anchor bolts, and prestressing tendons and anchorages | | ● | Y | | 2 |
| c. Placement of reinforcing and connectors, and prestressing tendons and anchorages | | ● | Y | | 2 |
| d. Proportions of site-prepared grout and prestressing grout for bonded tendons | | ● | Y | | 2 |
| e. Construction of mortar joints | | ● | Y | | 2 |
| During masonry construction, verify: | | | | | |
| a. Size and location of structural members | | ● | Y | | 1,2 |
| b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction | | ● | Y | | 1,2 |
| c. Welding of reinforcement | ● | | Y | | 1,2 |
| d. Preparation, construction and protection of masonry during cold weather (Temperature below 40°F) or hit weather (Temperature above 90°F) | | ● | Y | | 2 |
| e. Application and measurement of prestressing force | ● | | N | | 2 |
| f. Placement of grout and prestressing grout for bonded tendons is in compliance | ● | | Y | | 2 |
| g. Placement of AAC masonry units and construction of thin-bed mortar joints. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.) | ● | ● | N | | 2 |
| Observe preparation of grout specimens, mortar specimens and/or prisms | | ● | Y | | 2 |

| Inspections & Testing | Continuous | Periodic | Y / N | Reference Standard or Compliance Document | Agent |
|---|---|---|---|---|---|
| 1705.6 Soils | | | | | |
| Verify materials below shallow foundation are adequate to achieve the required bearing capacity | | ● | Y | Table 1705.6 | 2 |
| Verify excavation are extended to proper depth and have reached proper material | | ● | Y | | 2 |
| Perform classification and testing of compacted fill materials | | ● | Y | | 2 |
| Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill | ● | | Y | | 2 |
| Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly | | ● | Y | | 2 |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04/08/2026

LEE CO. GENERAL SERVICES BLDG EXPANSION
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

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SCHEDULE OF SPECIAL INSPECTIONS

S0.0.2

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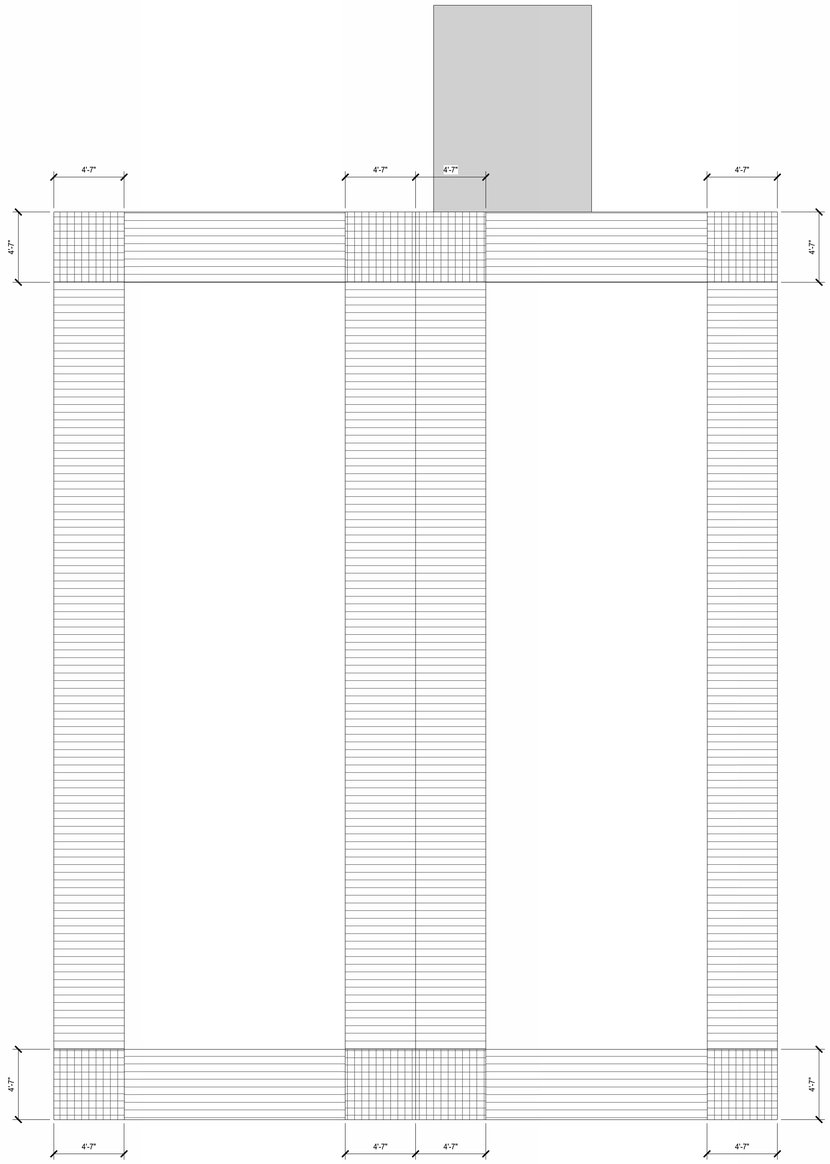


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## WIND PRESSURE DIAGRAM

ROOF WIND PRESSURE DIAGRAM NOTES:

1. PRESSURES INDICATED ARE FOR ALLOWABLE STRESS DESIGN PER ASCE 7.
2. EFFECTIVE WIND AREA SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7.
3. ROOF IS ZONE 1, UNLESS OTHERWISE INDICATED.
4. ZONE 2 INDICATED BY:
5. ZONE 3 INDICATED BY:
6. ZONE 4 INDICATED BY:
7. INTERIOR REGIONS OF WALLS ARE ZONE 5 AND CORNER REGIONS OF WALLS ARE ZONE 6.
8. (+) INDICATES PRESSURES ACTING TOWARDS ROOF (INWARDS). (-) INDICATES PRESSURES ACTING AWAY FROM ROOF (OUTWARDS).
9. ROOF DEAD LOAD SHALL BE TAKEN AS 10 PSF FOR UPLIFT RESISTANCE.
10. ROOF OVERHANGS SHALL BE DESIGNED FOR THE OVERHANGS PRESSURE FOR THE ZONE IN WHICH THEY ARE LOCATED. POSITIVE PRESSURE SHOWN IS FOR THE ROOF. SOFFITS SHALL BE DESIGNED FOR THE CORRESPONDING WALL POSITIVE PRESSURE.

## DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING

| ZONE | AREA ≤ 10 FT² | AREA ≤ 20 FT² | AREA ≤ 50 FT² | AREA ≤ 100 FT² | AREA ≤ 200 FT² | OVERHANGS |
|---|---|---|---|---|---|---|
| 1 | +16 PSF / -22 PSF | +13 PSF / -22 PSF | +11 PSF / -21PSF | +10 PSF / -21 PSF | +10 PSF / -21 PSF | NA |
| 2 | +14 PSF / -39 PSF | +13 PSF / -35 PSF | +11 PSF / -32 PSF | +10 PSF / -29 PSF | +10 PSF / -29 PSF | -49 PSF |
| 3 | +14 PSF / -57 PSF | +13 PSF / -54 PSF | +11 PSF / -49 PSF | +10 PSF / -45 PSF | +10 PSF / -45 PSF | -79 PSF |
| 4 | +14 PSF / -40 PSF | +14 PSF / -40 PSF | +9 PSF / -27 PSF | +9 PSF / -27 PSF | +9 PSF / -27 PSF | NA |
| 5 | +25 PSF / -27 PSF | +23 PSF / -26 PSF | +22 PSF / -24 PSF | +21 PSF / -23 PSF | +20 PSF / -22 PSF | NA |
| 6 | +25 PSF / -33 PSF | +24 PSF / -31 PSF | +22 PSF / -28 PSF | +21 PSF / -26 PSF | +20 PSF / -23 PSF | NA |

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WIND PRESSURE

S0.0.3

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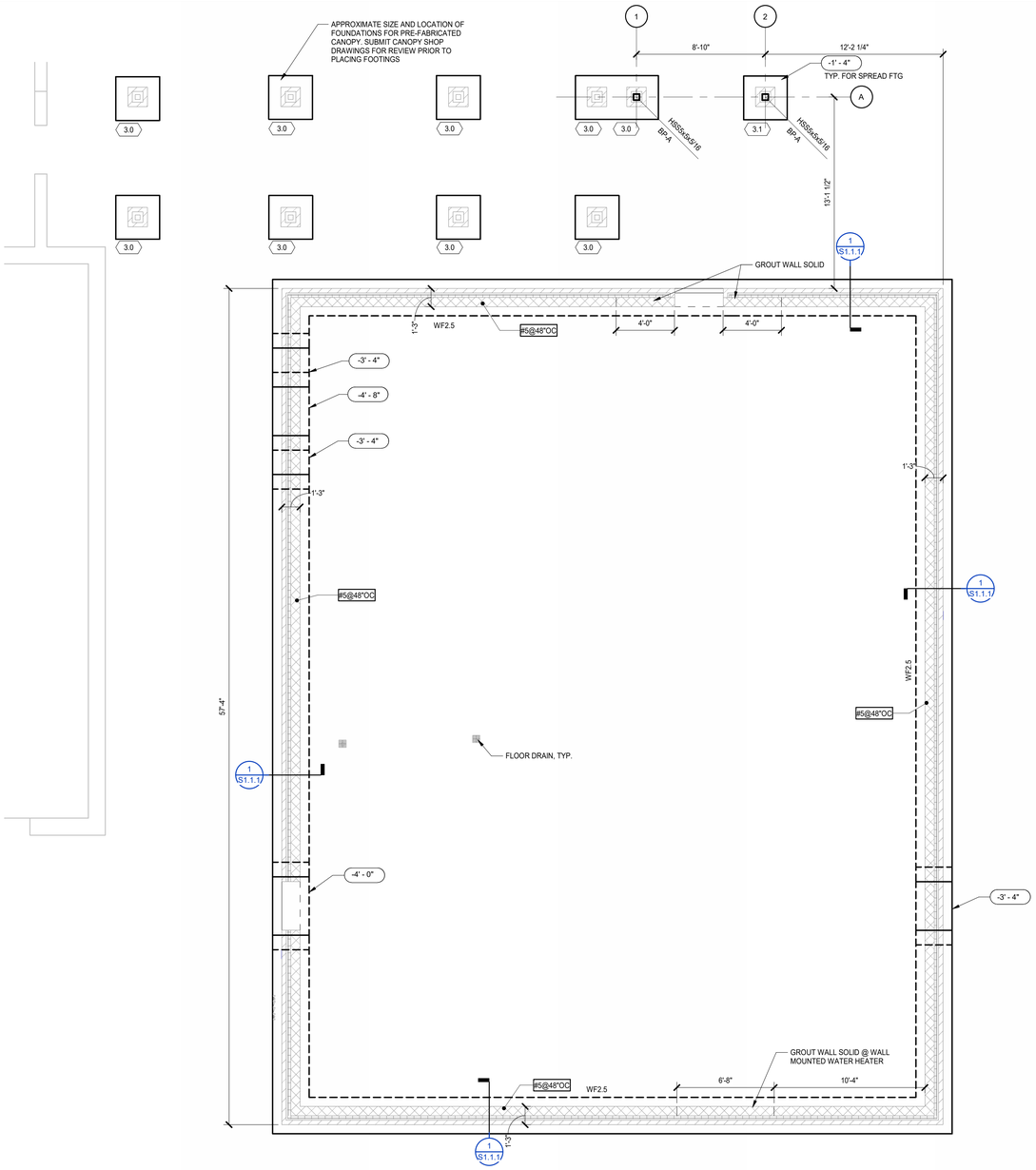


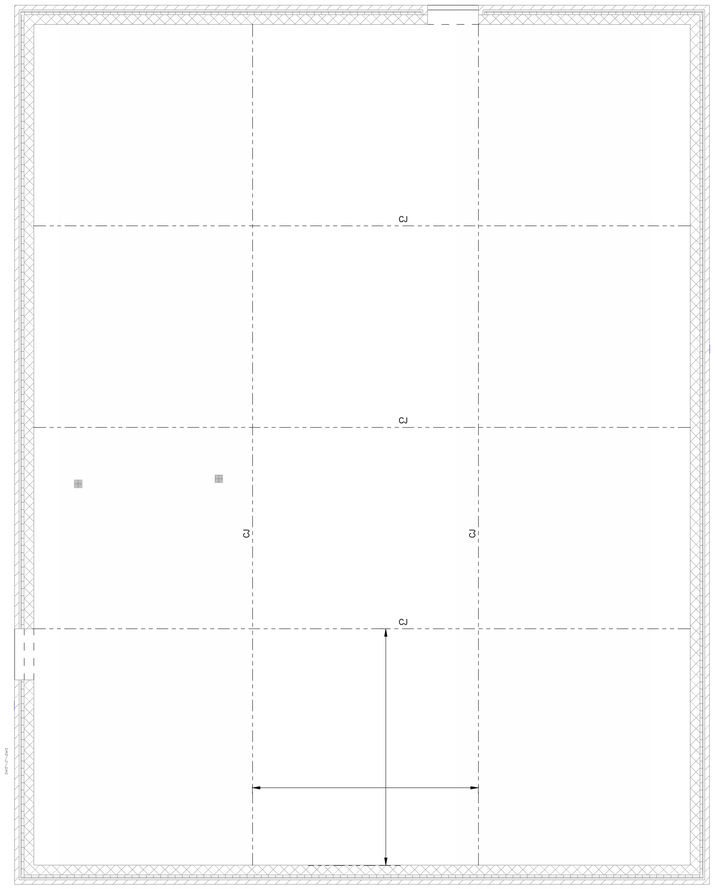


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## FIRST FLOOR PLAN FOUNDATION

1/4" = 1'-0"

FOUNDATION PLAN NOTES:

1. FINISHED FIRST FLOOR ELEVATION = 382.63' = REFERENCE DATUM EL (+0'-0"). ALL STRUCTURAL ELEVATIONS INDICATED ARE REFERENCED FROM THIS ELEVATION, UNO.
2. FLOOR CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH 4x4-W2.9xW2.9 WWF (AT 1" FROM TOP OF SLAB) OVER VAPOR BARRIER OVER 6" GRANULAR BASE COURSE, UNO.
3. BASE COURSE SHALL BE A CLEAN, DENSELY-GRADED "CRUSHER RUN" MATERIAL WITH A BALANCED FINE CONTENT, SUCH AS NCDOT ABC STONE. THE BASE COURSE SHALL BE COMPACTED AND SHALL BE FINISHED TO A FLAT, SMOOTH, LOW-FRICTION SURFACE. COMPACTION SHALL BE MONITORED BY THE ON-SITE TESTING AGENCY. OPEN GRADED STONE, SUCH AS #57 STONE, IS NOT ACCEPTABLE.
4. TOP OF ALL EXTERIOR FOOTINGS SHALL BE (-2'-0"), UNO.
5. ALL EXTERIOR WALL FOOTINGS SHALL BE WF2.5, UNO.
6. COORDINATE FOOTING STEPS WITH ALL UNDERSLAB UTILITIES. REFER TO FOUNDATION NOTE #4 ON DRAWING S0.0.1.
7. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
8. REFER TO DRAWINGS S3.0.1 FOR TYPICAL FOUNDATION DETAILS AND SCHEDULES.
9. UNSUITABLE FILL TO BE UNDERCUT AND BACKFILLED WITH STRUCTURAL FILL, NOT NCDOT #57 STONE, APPROVED BY THE GEOTECHNICAL ENGINEER.

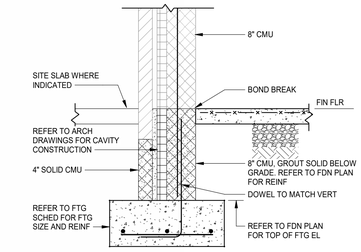
N

## SLAB CONTROL JOINT PLAN

1/4" = 1'-0"

NOTES:

1. REFER TO S3.0.1 FOR SLAB-ON-GRADE JOINT LAYOUT GUIDELINES




1 S1.1.1 S1.1.1 **SECTION** 3/4" = 1'-0"

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**FOUNDATION PLANS**

**S1.1.1**

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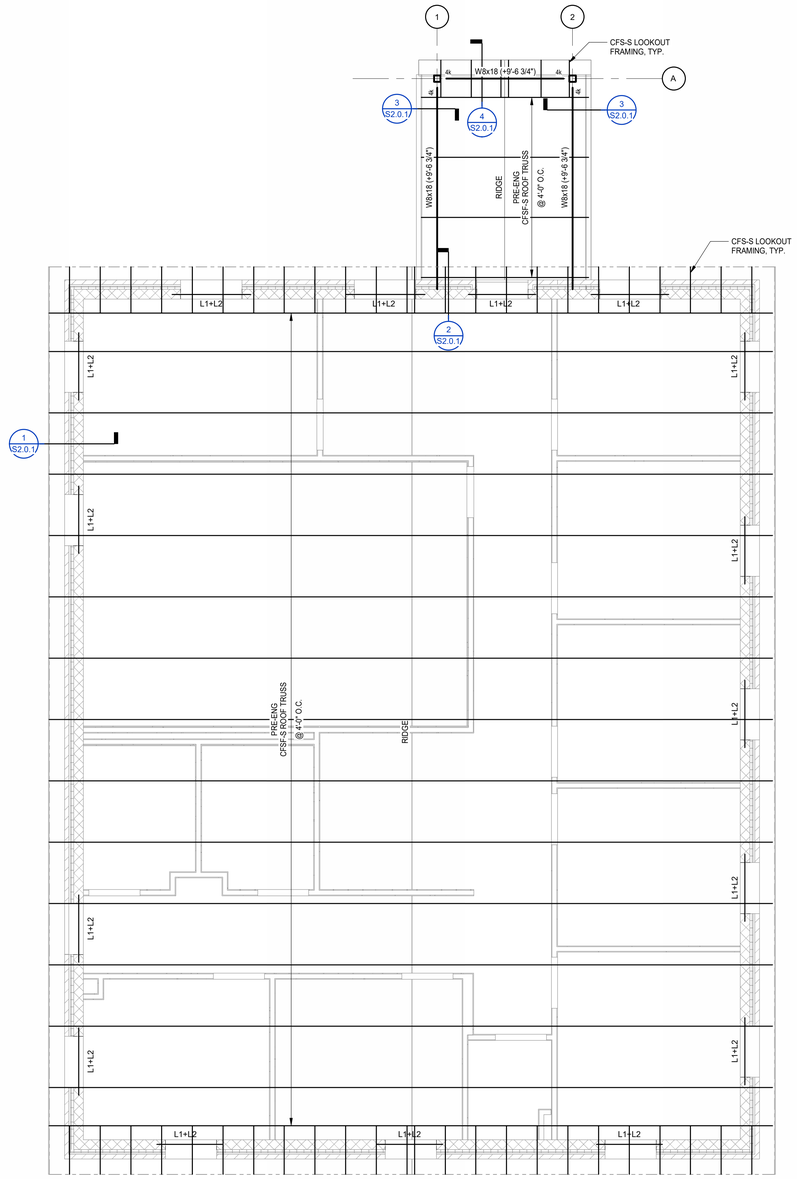
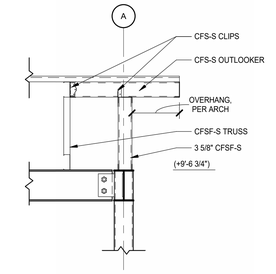
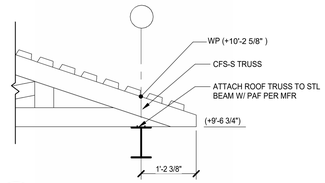
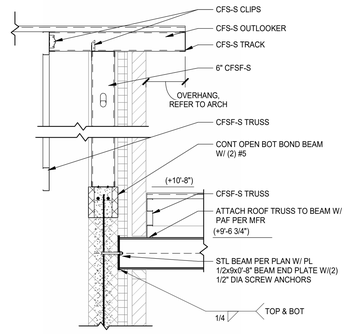


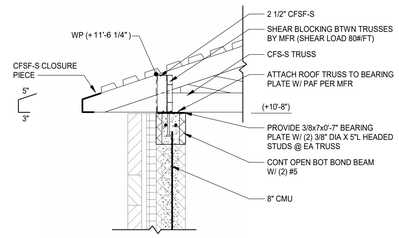

**4 SECTION** S2.0.1 S2.0.1
3/4" = 1'-0"




**3 SECTION** S2.0.1 S2.0.1
3/4" = 1'-0"




**2 SECTION** S2.0.1 S2.0.1
3/4" = 1'-0"




**1 SECTION** S2.0.1 S2.0.1
3/4" = 1'-0"

N

## ROOF FRAMING PLAN

1/4" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
2. STEEL ROOF DECK SHALL BE 1 1/2" WIDE RIB ROOF DECK (DECK TYPE 1), UNO. REFER TO STEEL DECK SCHEDULE ON DRAWING S4.0.1 FOR DECK TYPES INDICATED ON PLAN. REFER TO FRAMING PLAN AND ARCHITECTURAL AND STRUCTURAL SECTIONS FOR EXTENT OF DECK TYPES.
3. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
4. REFER TO DRAWINGS S4.0.1 FOR TYPICAL FRAMING DETAILS AND SCHEDULES.
5. PROVIDE 1/2" CAP PLATE. COORDINATE SIZE TO ALLOW FOR JOIST BOLTS WHERE REQUIRED.
6. TRUSS BEARING ELEVATION AT TOP OF WALL ELEVATION OF 10'-8", UNO

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ROOF FRAMING PLANS

S2.0.1

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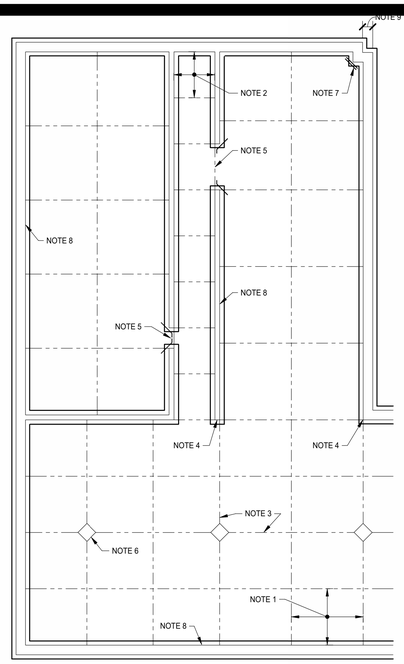
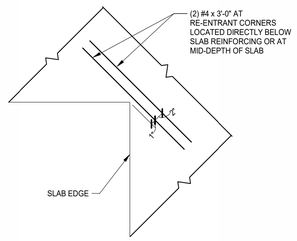



## SLAB-ON-GRADE JOINT LAYOUT GUIDELINES

S3.0.1 1/8" = 1'-0"

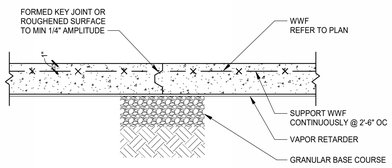
NOTES:

1. PROVIDE CONTROL JOINTS IN SLABS ON GRADE WITHIN THE BUILDING SUCH THAT THE AREA BOUNDED BY CONTROL JOINTS DOES NOT EXCEED 225 SQUARE FEET AND JOINT SPACING DOES NOT EXCEED 15'-0" ON CENTER IN ANY ONE DIRECTION.
2. THE RATIO OF LENGTH TO WIDTH OF THE AREA BOUNDED BY CONTROL JOINTS SHALL NOT EXCEED 1.5 TO 1.
3. LOCATE CONSTRUCTION JOINTS AND OR CONTROL JOINTS AT COLUMN CENTERLINES.
4. LOCATE CONSTRUCTION JOINTS AND OR CONTROL JOINTS AT RE-ENTRANT CORNERS.
5. LOCATE CONSTRUCTION JOINTS PER "PLAN DETAIL AT INTERIOR DOORS".
6. PROVIDE DIAMOND OR CIRCULAR BLOCKOUTS AT COLUMNS.
7. REINFORCE ALL RE-ENTRANT CORNERS OF SLAB PER "SLAB REINFORCING AT RE-ENTRANT CORNERS".
8. PROVIDE BOND BREAK WHERE FLOOR ABUTS CMU OR CONCRETE WALL UNLESS NOTED OTHERWISE.
9. CONTROL JOINT NOT REQUIRED IF DIMENSION AT RE-ENTRANT CORNER IS 2'-0" OR LESS. PROVIDE REINFORCING PER "SLAB REINFORCING AT RE-ENTRANT CORNER".
10. CONTROL JOINT / CONSTRUCTION JOINT PLANS SHALL BE SUBMITTED IF NOT SHOWN ON FOUNDATION PLANS.

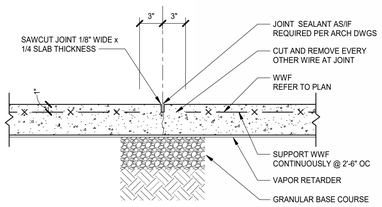



## SLAB REINFORCING AT RE-ENTRANT CORNER

NO SCALE




**CONSTRUCTION JOINT**




**CONTROL JOINT**

NOTES:

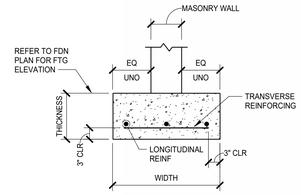
1. SAWCUT AS SOON AS CONCRETE WILL SUPPORT EQUIPMENT AND EARLY ENOUGH TO PREVENT CRACKING. DO NOT DISLODGE AGGREGATE.
2. CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT.

## SLAB-ON-GRADE JOINT DETAILS

NO SCALE

## WALL FOOTING SCHEDULE

| MARK | WIDTH | THICKNESS | REINFORCING (BOT, UNO) | |
|---|---|---|---|---|
| | | | LONGITUDINAL | TRANSVERSE |
| WF2.5 | 2'-6" | 1'-0" | (3) #5 CONT BOT | #5 AT 14" OC BOT |




**WITH BOT REINFORCING**

## WALL FOOTING DETAILS

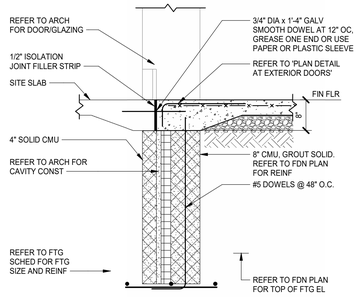
NO SCALE

## SPREAD FOOTING SCHEDULE

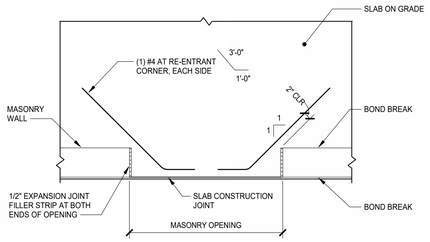
| MARK | SIZE | | | |
|---|---|---|---|---|
| | LENGTH | WIDTH | THICKNESS | REINFORCING |
| 3.0 | 3'-0" | 3'-0" | 2'-0" | (4) #5 EA WAY BOT |
| 3.1 | 3'-0" | 3'-0" | 1'-0" | (4) #5 EA WAY BOT |

## COLUMN BASE PLATE SCHEDULE

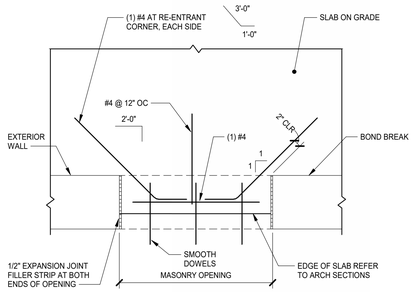
| MARK | BASE PLATE SIZE | | | HEADED ANCHOR RODS | | | |
|---|---|---|---|---|---|---|---|
| | L | W | T | SIZE | EMBED | GAGE | BASE PLATE TYPE |
| BP-A | 11" | 11" | 3/4" | (4) 3/4" DIAM | 9" | 8" | STANDARD |



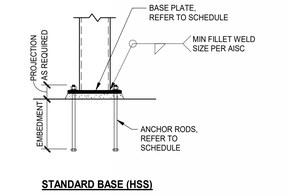

**SECTION AT EXTERIOR DOORS**



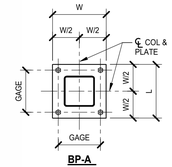

**PLAN AT INTERIOR DOORS**




**PLAN AT EXTERIOR DOORS**




**STANDARD BASE (HSS)**



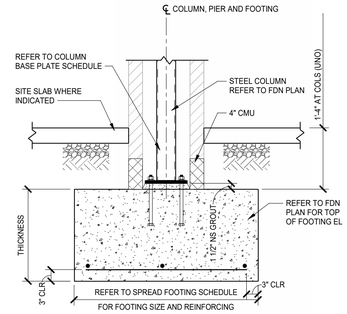

**BP-A**

## SLAB ON GRADE DETAILS AT DOORS

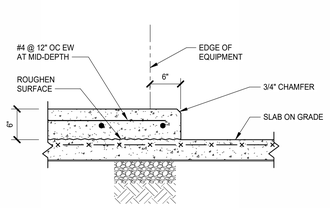
NO SCALE

## COLUMN BASE PLATE DETAILS

NO SCALE

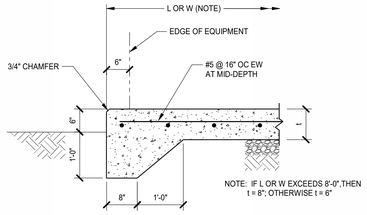



**STEEL COLUMN FOOTING DETAIL**




NOTE: REFER TO MECH, ELEC, PLUMBING AND CIVIL DRAWINGS FOR EQUIPMENT REQUIRING HOUSEKEEPING PAD

**HOUSEKEEPING PAD**

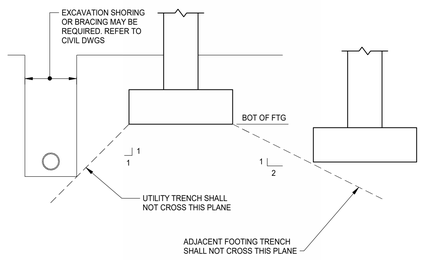



NOTE: REFER TO MECH, ELEC, PLUMBING AND CIVIL DRAWINGS FOR EQUIPMENT REQUIRING EXTERIOR PAD

**EXTERIOR EQUIPMENT PAD**

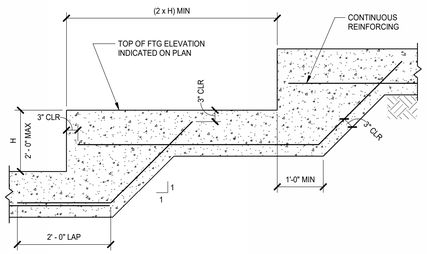
## EQUIPMENT PAD DETAILS

NO SCALE

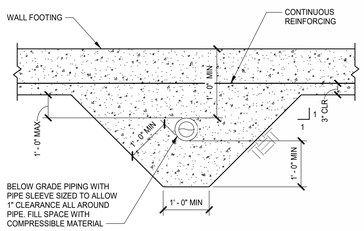



## FOOTING EXCAVATION LIMITS

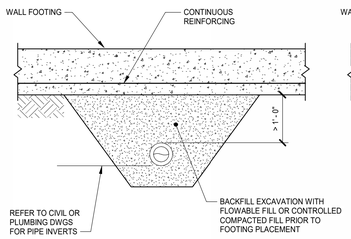
NO SCALE



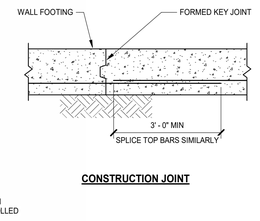

**FOOTING STEP**



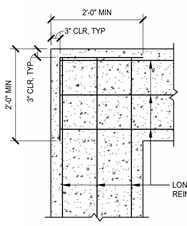

**FOOTING SLEEVE**



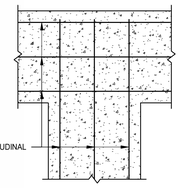

**PIPE TRENCH BACKFILL AT FOOTING**
(PIPE PLACED PRIOR TO FOOTING)




**CONSTRUCTION JOINT**




**PLAN AT CORNER**



**PLAN AT INTERSECTION**

## WALL FOOTING DETAILS


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


MOSELEY INC. CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

NORTH CAROLINA PROFESSIONAL SEAL 035434 ENGINEER JEFFREY D. MOSELEY

04/08/2026

LEE CO. GENERAL SERVICES BLDG EXPANSION
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

TYPICAL FOUNDATION DETAILS

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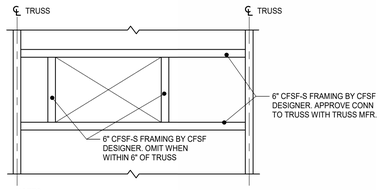
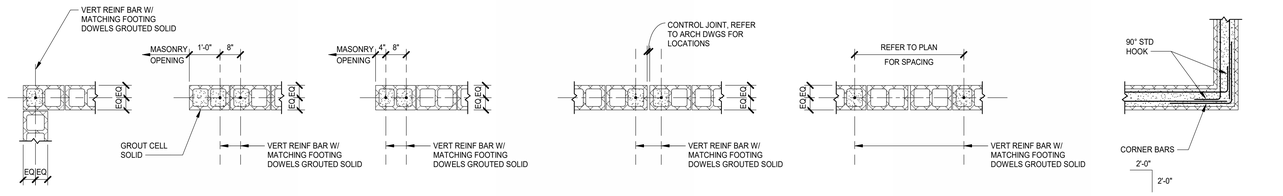



NOTES:
1. VERIFY SIZE AND LOCATIONS OF ROOF OPENINGS WITH PRODUCT PROVIDED.
2. USE FRAME FOR ALL ROOF OPENINGS IN STEEL DECK OR ENGINEERED ROOF DECK ASSEMBLY 1'-0" OR LARGER NOT OTHERWISE INDICATED.

## ROOF OPENING SUPPORT AT CFSF

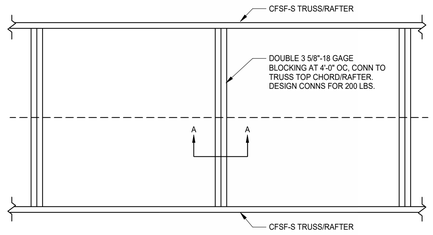



**CORNER** | **JAMB AT STEEL LINTEL** | **JAMB AT CMU BOND BEAM LINTEL** | **VERTICAL CONTROL JOINTS** | **TYPICAL REINFORCED WALL** | **BOND BEAM PLAN DETAIL AT CORNER**

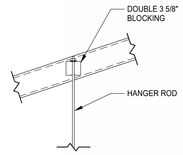
NOTES:
1. REINFORCING BAR SIZE INDICATED ON FOUNDATION PLAN.
2. DETAILS ARE PROVIDED FOR VERTICAL REINFORCING STEEL PLACEMENT ONLY. REFER TO ARCHITECTS DRAWINGS FOR SPECIFIC MASONRY DETAILS.
3. DO NOT PLACE CONDUIT IN CELLS CONTAINING STRUCTURAL REINFORCING.

## CMU WALL REINFORCING DETAILS

NO SCALE




**PLAN**




**SECTION A-A**

## TYPICAL HANGER DETAIL AT CFSF TRUSSES/ RAFTERS

## LINTEL SCHEDULE

| MARK | DIAGRAM | BOND BEAM (W x H) | REINFORCING | STEEL | NOTES |
|---|---|---|---|---|---|
| L1 | | 8 x 8 | (2) #5 CONT | ——— | ——— |
| L2 | | ——— | ——— | L4x3-1/2x5/16 LOOSE ANGLE LINTEL | 4" END BEARING |

### LINTEL NOTES

1. LINTELS FOR ARCHITECTURAL OPENINGS (WINDOWS, DOORS, LOUVERS) IN BEARING WALLS AND EXTERIOR WALLS ARE IDENTIFIED BY MARK NUMBER ON THE FRAMING PLAN(S) AND INCLUDED IN THE LINTEL SCHEDULE.
2. LINTELS FOR ARCHITECTURAL OPENINGS IN NON-LOAD BEARING WALLS AND OTHER WALLS WHICH ARE NOT INDICATED ON THE FRAMING PLAN(S) SHALL BE CONSTRUCTED PER NOTES A, B OR C BELOW.

   A. STEEL ANGLE LINTELS

   PROVIDE ONE ANGLE FOR EACH NOMINAL 4" OF WALL THICKNESS PER THE FOLLOWING SCHEDULE.

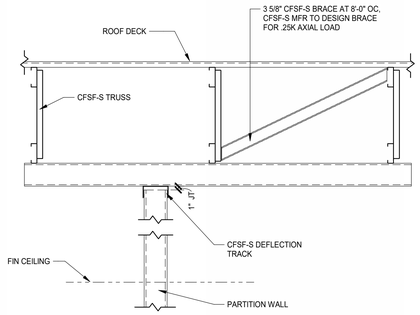
| MASONRY OPENING | ANGLE SIZE |
|---|---|
| UP TO 5'-0" | L3 1/2x3 1/2x 5/16 |
| 5'-1" TO 6'-0" | L4x3 1/2x 5/16 (LLV) |
| 6'-1" TO 7'-0" | L5x3 1/2x 3/8 (LLV) |
| OVER 7'-0" | AS DETAILED |

   FOR OPENINGS IN 10" CMU, HORIZONTAL LEGS OF ANGLES SHALL BE A COMBINATION OF 5" AND 4".

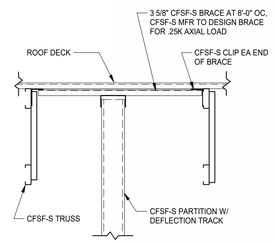
   FOR OPENINGS IN 6" CMU REQUIRING STEEL LINTELS, USE WT7x11 UP TO 7'-0" OPENING.

   B. REINFORCED BOND BEAM LINTELS

   LINTELS SHALL MATCH THICKNESS OF WALL. REINFORCE 8", 10" AND 12" BOND BEAM WITH (2) #5 BARS AT BOTTOM. REINFORCE 6" BOND BEAM WITH (1) #5 BAR AT BOTTOM. BOND BEAM SHALL BE 8" DEEP FOR OPENING WIDTH UP TO 5'-0", AND SHALL BEAR 8" ON SOLID MASONRY EACH END. BOND BEAM SHALL BE 16" DEEP FOR OPENING WIDTH UP TO 8'-0" AND SHALL BEAR 16" ON SOLID MASONRY EACH END WITH REINFORCING TOP AND BOTTOM. PLACE GROUT MONOLITHICALLY IN BOTH COURSES OF 16" DEEP BOND BEAM.
3. LINTELS FOR MECHANICAL DUCTWORK PENETRATIONS NOT OTHERWISE DETAILED SHALL BE ONE OF THE ABOVE (NOTE 2A, 2B).
4. LINTELS SHALL BEAR 8" ONTO SOLID OR GROUT FILLED MASONRY, UNLESS OTHERWISE INDICATED.
5. LINTELS ARE REQUIRED OVER ALL MASONRY OPENINGS GREATER THAN 8" IN WIDTH.
6. LINTELS ARE NOT REQUIRED ABOVE HOLLOW METAL FRAMES IN OPENINGS 3'-4" OR LESS IN 6" NON-BEARING MASONRY PARTITIONS. GROUT HEAD OF FRAMES SOLID BEFORE PLACING MASONRY.
7. ALL LINTELS IN EXTERIOR WALLS SHALL BE GALVANIZED.

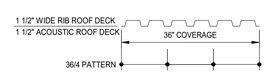



**WALL TO UNDERSIDE OF TRUSS PARALLEL TO CFSF TRUSSES**



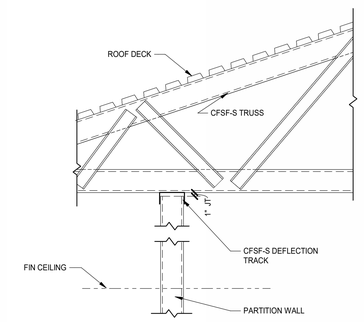

**WALL TO UNDERSIDE OF DECK PARALLEL TO CFSF TRUSSES**

## STEEL DECK FASTENER LAYOUT

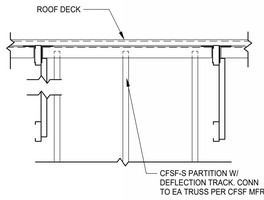



## STEEL DECK SCHEDULE

| | | |
|---|---|---|
| DECK TYPE 1 | 1 1/2" - 20 GAGE WIDE RIB ROOF DECK, GALVANIZED | FASTEN TO ALL SUPPORTS WITH #10 TEK SCREWS AT 36/4 PATTERN, AND AT 6" OC AT ALL EDGES AND END LAPS. FASTEN SIDELAPS WITH #10 TEK SCREWS AT MID-SPAN AND NOT GREATER THAN 12" OC. |




**WALL TO UNDERSIDE OF TRUSS PERPENDICULAR TO CFSF TRUSSES**




NOTES:
1. BRACE INTERIOR CFSF-S WALLS IN ACCORDANCE WITH THESE DETAILS UNLESS OTHERWISE NOTED.
2. IN LIEU OF BRACING AT TOPS OF WALLS, BRACING MAY BE PROVIDED BY INTERSECTING WALLS WHEN THE DISTANCE BETWEEN THE INTERSECTING WALLS DOES NOT EXCEED 10'.
3. REFER TO ARCHITECTURAL DRAWINGS FOR INTERIOR PARTITION TYPES AND LOCATIONS.
4. INSTALL BRACING AFTER ALL ROOF DEAD LOAD IS IN PLACE.

## CFSF PARTITION BRACING DETAILS

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

MOSELEY INC. REGISTERED ENGINEERING CORPORATION C-3469 NORTH CAROLINA CHARLOTTE, NC

NORTH CAROLINA PROFESSIONAL SEAL 035434 ENGINEER JOSEPH E. MOSELEY

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LEE CO. GENERAL SERVICES BLDG EXPANSION
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805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
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TYPICAL FRAMING DETAILS

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## ABBREVIATIONS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| @ | AT | EWH | ELECTRIC WATER HEATER | PD | PUMP DISCHARGE |
| AAV | AIR ADMITTANCE VALVE | EX | EXISTING | PLUMB | PLUMBING |
| ABV | ABOVE | EXP | EXPANSION | PLYWD | PLYWOOD |
| AC-X | AIR COMPRESSOR DESIGNATION | FCO | FLOOR CLEANOUT | POLY | POLYETHYLENE |
| ADJ | ADJUSTABLE | FD | FLOOR DRAIN | PPT | PRESSURE PRESERVATIVE TREATED |
| ADNL | ADDITIONAL | FDC | FIRE DEPARTMENT CONNECTION | PREFAB | PREFABRICATE(D) |
| AFF | ABOVE FINISHED FLOOR | FF | FINISHED FLOOR | PROJ | PROJECT |
| AFG | ABOVE FINISHED GRADE | FFE | FINISHED FLOOR ELEVATION | PSF | POUNDS PER SQUARE FOOT |
| AHU | AIR HANDLING UNIT | FG | FINISHED GRADE | PSI | POUNDS PER SQUARE INCH |
| ALT | ALTERNATE | FH | FIRE HYDRANT | PV | PROPANE VENT |
| ALUM | ALUMINUM | FHC | FIRE HOSE CABINET | PVC | POLYVINYL CHLORIDE |
| AP | ACCESS PANEL | FHS | FIRE HOSE STATION | PVMT | PAVEMENT |
| APPR | APPROXIMATE | FHVC | FIRE HOSE VALVE CABINET | R | RISER |
| ARCH | ARCHITECTURAL | FIX | FIXTURE | RAD | RADIUS |
| AUTO | AUTOMATIC | FLR | FLOOR | RCP-X | RECIRCULATION PUMP DESIGNATION |
| AVG | AVERAGE | FLSHG | FLASHING | RD | ROOF DRAIN (BOTTOM OUTLET) |
| BFF | BELOW FINISHED FLOOR | FOR | FUEL OIL RETURN | RDS | ROOF DRAIN (SIDE OUTLET) |
| BFG | BELOW FINISHED GRADE | FOS | FUEL OIL SUPPLY | REF | REFERENCE |
| BLDG | BUILDING | FOV | FUEL OIL VENT | REQD | REQUIRED |
| BO | BOTTOM OF | FS | FLOOR SINK | REQMT | REQUIREMENTS |
| BOT | BOTTOM | FSD | FOUNDATION SUB-DRAIN | RH | ROOF HYDRANT |
| BSMT | BASEMENT | FT | FOOT OR FEET | RL | RAIN LEADER |
| BTWN | BETWEEN | FVC | FIRE VALVE CABINET | RM | ROOM |
| CA | COMPRESSED AIR | G | GAS | RO | ROUGH OPENING |
| CI | CAST IRON | GCO | GRADE CLEANOUT | RV | RADON VENT |
| CIP | CAST-IN-PLACE CONCRETE | GWH | GAS WATER HEATER | S | SOUTH |
| CL | CENTERLINE | HB | HOSE BIBB | SAN | SANITARY |
| CLG | CEILING | HORIZ | HORIZONTAL | SCH | SCHEDULE |
| CLR | CLEAR | HP | HORSEPOWER | SD | STORM DRAINAGE PIPING |
| CMP | CORRUGATED METAL PIPE | HR-X | HOSE REEL DESIGNATION | SDN | STORM DRAIN NOZZLE |
| CNTR | COUNTER | HTG | HEATING | SF | SQUARE FOOT/FEET |
| CO | CLEANOUT | HW | HOT WATER | SHT | SHEET |
| COL | COLUMN | HWR | HOT WATER RETURN | SIM | SIMILAR |
| CONC | CONCRETE | HWS | HOT WATER SUPPLY | SLT | SEALANT |
| CONDS | CONDENSATE | ID | INSIDE DIAMETER | SOG | SLAB ON GRADE |
| CONSTR | CONSTRUCT(ION) | IN | INCH | SOV | SHUTOFF VALVE(S) |
| CONT | CONTINUATION | INSUL | INSULATE OR INSULATION | SP | SUMP PUMP |
| CONTR | CONTRACT(-OR) | INV | INVERT | SPEC | SPECIFICATION |
| CORR | CORRIDOR | JAN | JANITOR | SPR | SPRINKLER |
| CP | CIRCULATING PUMP | KIT | KITCHEN | SQ | SQUARE |
| CR | CLASSROOM | KW | KITCHEN WASTE | SRD | SECONDARY ROOF DRAIN |
| CT | COOLING TOWER | LAB | LABORATORY | SS | STAINLESS STEEL |
| CU | COPPER | LAV | LAVATORY | SSD | SECONDARY STORM DRAINAGE PIPING |
| CU FT | CUBIC FEET | LBS | POUNDS | STD | STANDARD |
| CU YD | CUBIC YARD | LF | LINEAR FOOT (FEET) | STL | STEEL |
| CW | COLD WATER | LP | PROPANE | STOR | STORAGE |
| DB | DRY BULB | LPV | PROPANE VENT | STRUCT | STRUCTURAL |
| DCW | DOMESTIC COLD WATER | MATL | MATERIAL | SUSP | SUSPENDED |
| DEMO | DEMOLISH OR DEMOLITION | MAX | MAXIMUM | TD | TRENCH DRAIN |
| DF | DRINKING FOUNTAIN | MECH | MECHANICAL | THK | THICK(-NESS) |
| DHR | DOMESTIC HOT WATER RETURN | MED | MEDIUM | TLT | TOILET |
| DHR(140) | DOMESTIC HOT WATER RETURN (140°) | MFR | MANUFACTURER | TMV | THERMOSTATIC MIXING VALVE |
| DHW | DOMESTIC HOT WATER | MH | MANHOLE | TOSL | TOP OF SLAB |
| DHW(140) | DOMESTIC HOT WATER (140°) | MIN | MINIMUM | TW | DOMESTIC TEPID WATER (85° F) |
| DI | DROP INLET | MISC | MISCELLANEOUS | TYP | TYPICAL |
| DIA | DIAMETER | MTD | MOUNTED | UG | UNDERGROUND |
| DIP | DUCTILE IRON PIPE | N | NORTH | UNO | UNLESS NOTED (INDICATED) OTHERWISE |
| DN | DOWN | N/A | NOT APPLICABLE/AVAILABLE | V | VENT |
| DR-X | COMPRESSED AIR DRYER DESIGNATION | NC | NORMALLY CLOSED | VAC | VACUUM |
| DS | DOWNSPOUT | NG | NATURAL GAS | VB | VACUUM BREAKER |
| DT | DRAIN TILE | NGV | NATURAL GAS VENT | VERT | VERTICAL |
| DTL | DETAIL | NIC | NOT IN CONTRACT | VIF | VERIFY IN FIELD |
| DTW | DOMESTIC TEMPERED WATER | NO | NORMALLY OPEN | VTR | VENT THROUGH ROOF |
| DWG | DRAWING | NO., (#) | NUMBER | W | WEST |
| DWP | DOMESTIC WATER BOOSTER PUMP | NOM | NOMINAL | W/ | WITH |
| E | EAST | OC | ON CENTER | W/O | WITHOUT |
| EA | EACH | OD | OUTSIDE DIAMETER | WC | WATER CLOSET |
| ED | EMERGENCY SECONDARY ROOF DRAIN | OFCI | OWNER FURNISHED CONTRACTOR INSTALLED | WCO | WALL CLEANOUT |
| ELEC | ELECTRICAL | OFF | OFFICE | WH | WALL HYDRANT |
| ELEV | ELEVATION | OH | OVERHEAD | WHA-X | WATER HAMMER ARRESTOR |
| EPBD | ELECTRICAL PANELBOARD | OPNG | OPENING | WSHP | WATER SOURCE HEAT PUMP |
| EQ | EQUAL | OPP | OPPOSITE | WWF | WELDED WIRE FABRIC |
| EQUIP | EQUIPMENT | OSD | OPEN SITE DRAIN | WWM | WELDED WIRE MESH |
| ETR | EXISTING TO REMAIN | PC | PRECAST | XFMR | TRANSFORMER |
| EWC | ELECTRIC WATER COOLER | PCF | POUNDS PER CUBIC FOOT | | |

## GRAPHICS SYMBOLS LEGEND

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

- POINT OF CONNECTION TO EXISTING
- LIMIT OF DEMOLITION
- 30 — KEYNOTE
- 8 — STRUCTURAL GRID LINE WITH DESIGNATION
- EX8 — EXISTING STRUCTURAL GRID LINE WITH DESIGNATION
- A123 — **SPACE IDENTIFICATION TAG**: SPACE NUMBER; BUILDING AREA (WHEN USED)
- AHU-02 — **EQUIPMENT IDENTIFICATION TAG**: EQUIPMENT NUMBER; UNIT DESIGNATION
- **SECTION WHERE CUT**: A — SECTION LETTER; P6.1 — DRAWING WHERE SECTION IS INDICATED
- **ENLARGED PLAN WHERE CUT**: 1 — ENLARGED PLAN NUMBER; P6.1 — DRAWING WHERE ENALRGED PLAN IS INDICATED
- **DETAIL TAG**: 1 — DETAIL NUMBER; P6.1 — DRAWING WHERE DETAIL IS INDICATED
- **SANITARY RISER TAG**: S1 — SANITARY RISER IDENTIFIER; P6.1 — DRAWING WHERE SANITARY RISER IS TAGGED
- **DOMESTIC RISER TAG**: D1 — DOMESTIC RISER IDENTIFIER; P6.1 — DRAWING WHERE DOMESTIC RISER IS TAGGED

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

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

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

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

## PLUMBING FIXTURE SCHEDULE

| TAG | FIXTURE | HEIGHT A.F.F. | BASIS OF DESIGN | PIPE SIZE | | | | NOTES |
|---|---|---|---|---|---|---|---|---|
| | | | | COLD WATER | HOT WATER | VENT | SOIL WASTE | |
| EWC-1 | SINGLE WATER COOLER (ACCESSIBLE) WITH BOTTLE FILLER | TOP OF BUBBLER AT 34" | FIXTURE: ELKAY EMABF8WSSK | 3/8" | | 1 1/2" | 1 1/4" | |
| LA-1 | WALL-HUNG LAVATORY (ACCESSIBLE) WITH MANUALLY-OPERATED FAUCET | RIM AT 34" | FIXTURE: ZURN Z5340<br>FAUCET: MOEN M-DURA 8215F05 | 1/2" | 1/2" | 1 1/2" | 1 1/4" | 1, 3 |
| MB-1 | MOP BASIN (24" x 24") | RIM AT 12" | FIXTURE: FIAT TSB100<br>FAUCET: ZURN Z843M1-XL-CS-HCT | 3/4" | 3/4" | 2" | 3" | |
| SK-1 | SINK - SINGLE BASIN | COUNTER MOUNTED REFER TO ARCH DWGS | FIXTURE: ELKAY LRAD222255<br>FAUCET: AMERICAN STANDARD 7545.170 | 1/2" | 1/2" | 1 1/2" | 1 1/2" | 3 |
| WC-1 | FLOOR MOUNTED WATER CLOSET (ACCESSIBLE) | TOP OF SEAT 17" | FIXTURE: AMERICAN STANDARD 3043.001<br>VALVE: SLOAN ROYAL 111-1.28 | 1" | | 2" | 4" | 1, 2 |
| WH-1 | WALL HYDRANT | CENTERLINE OF OUTLET AT 18" | FIXTURE: ZURN Z1320XL | 3/4" | | | | |
| WSB-1 | ICE MAKER OUTLET BOX | BOTTOM AT 8" | FIXTURE: GUYGRAY BIM875QTSAB | 1/2" | | | | |

1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL CONFORM TO THE USBC AND ASAD ADA STANDARDS FOR ACCESSIBLE DESIGN.
2. LOCATE FLUSH ACTUATORS ON WIDE SIDE OF STALLS OR APPROACH AREAS.
3. PROVIDE ASSE-1070 CERTIFIED MIXING VALVE IN STAINLESS STEEL WALL CABINET, ABOVE CEILING, OR BELOW FIXTURE ACCESSIBLE BUT CONCEALED FROM VIEW.

## TRAP PRIMER SCHEDULE

| TAG | BASIS OF DESIGN | | ACTIVATION METHOD | QUANTITY OF TRAP SERVED | NOTES |
|---|---|---|---|---|---|
| | MANUFACTURER | MODEL | | | |
| TPV-1 | PPP INC. | PR-500 | MECHANICAL | 1-2 | 1 |

1. PROVIDE MANUFACTURER'S DISTRIBUTION UNIT (DU) ON PRIMER ASSEMBLY TO ACCOMMODATE NUMBER OF TRAPS SERVED BY UNIT AS INDICATED ON DRAWINGS.

## CIRCULATING PUMP SCHEDULE

| TAG | BASIS OF DESIGN | | LOCATION | SYSTEM TYPE | PUMP TYPE | OPERATING DATA | | | | | ELECTRICAL DATA | | | CONNECTION SIZE | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MANUFACTURER | MODEL | | | | FLOW (GPM) | PRESSURE (FT) | EFFICIENCY | POWER (WATTS) | SPEED (RPM) | VOLTS | PHASE | HERTZ | INLET (IN) | OUTLET (IN) | |
| RCP-1 | TACO | 0026e-SF2 | JANITOR'S CLOSET | RECIRCULATING HOT WATER | CIRCULATOR | 1 | 16 | 85% | 120 | 830 | 115 | 1 | 60 | 1/2" | 1/2" | 1 |

1. PROVIDE ECM-CONTROLLED RECIRCULATION PUMP WITH INTEGRAL TEMPERATURE AND PRESSURE SENSORS AND LOGIC. UNIT SHALL BE FULLY ADJUSTABLE FOR VARYING FIELD CONDITIONS.

## DRAIN AND CLEANOUT SCHEDULE

| TAG | BASIS OF DESIGN | | STRAINER/GRATE | NOTES |
|---|---|---|---|---|
| | MANUFACTURER | MODEL | | |
| FCO | JOSAM | 55000-1 | FLOOR CLEANOUT | |
| FD-1 | JOSAM | 30000-6S-VP | 6" x 6" | <varies> |
| GCO | JOSAM | 58680-CO | GRADE CLEANOUT | |
| WCO | JOSAM | 58910 | WALL CLEANOUT | |

1. PROVIDE TRAP PRIMER CONNECTION AND EXTENSION, SEE DETAIL.

## ELECTRIC WATER HEATER SCHEDULE

| TAG | BASIS OF DESIGN | | LOCATION | CAPACITY (GALLONS) | RECOVERY RATE (GPH) | TEMPERATURE RISE (°F) | TEMPERATURE SETTING (°F) | ELECTRICAL DATA | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MANUFACTURER | MODEL | | | | | | INPUT RATE (kW) | VOLTAGE | PHASE | HERTZ | |
| EWH-1 | A.O. SMITH | DEL-30 | JANITOR'S CLOSET | 36 | 18 | 100 | 140 | 4.5 | 208 | 1 | 60 | 1, 2 |

1. kW INPUT RATE FOR ELECTRIC WATER HEATERS BASED ON FULL LOAD NON-SIMULTANEOUS OPERATION.
2. PROVIDE WITH WALL MOUNTING KIT.

## TANK SCHEDULE

| TAG | BASIS OF DESIGN | | LOCATION | SYSTEM TYPE | TANK TYPE | OPERATING DATA | | | ASME CODE CONSTRUCTION (YES / NO) | CONNECTION SIZE | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MANUFACTURER | MODEL | | | | CAPACITY (GAL) | ACCEPTANCE (GAL) | AIR PRE-CHARGE PRESSURE (PSI) | | INLET (IN) | OUTLET (IN) | |
| ET-1 | AMTROL | ST-5C-DD | JANITOR'S CLOSET | HOT WATER | EXPANSION | 2 | 0.9 | 55 | YES | 3/4" | 3/4" | 1 |

1. INSTALL PER MANUFACTURER'S RECOMMENDED INSTRUCTIONS.

## THERMOSTATIC MIXING VALVE SCHEDULE

| TAG | BASIS OF DESIGN | | DESIGN FLOW (GPM) | FLOW RANGE (GPM) | MAX P.D. AT DESIGN FLOW (PSI) | HW SYSTEM TEMPERATURES | | CONNECTION SIZE | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| | MANUFACTURER | MODEL | | | | INLET (°F) | OUTLET (°F) | INLET (IN) | OUTLET (IN) | |
| TMV-1 | POWERS | LFSH1432 | 15 | 0.5 - 30 | 5 | 140 | 120 | 3/4" | 1" | 1 |
| TMV-2 | POWERS | LFLM495-1 | 1 | 0.5-13.9 | 5 | 120 | 110 | 1/2" | 1/2" | 2 |

1. PROVIDE THERMOSTATIC MIXING VALVE ASSEMBLY WITH STAINLESS STEEL WALL-MOUNTED CABINET AND T/P GAUGES ON INLETS AND OUTLET.
2. PROVIDE ASSE-1070 VALVE FOR ALL PUBLIC LAVATORIES AND SINKS. UNIT SHALL BE MOUNTED CONCEALED FROM VIEW BELOW FIXTURE.

## GENERAL NOTES

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

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

C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.

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

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

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

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

H. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO TRUSSES.

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

J. REFER TO ARCHITECTURAL ROOF PLAN FOR GUTTERS AND DOWNSPOUTS LOCATIONS FOR STORM DRAINAGE.

K. SEE SITE CIVIL PLANS FOR LOCATION OF EXISTING WATER METER AND BACKFLOW PREVENTER.


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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER TIMOTHY T WHITE

LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: April 08 2026

REVISIONS

| DATE | DESCRIPTION |
|---|---|

PLUMBING LEGENDS, ABBREVIATIONS AND GENERAL NOTES

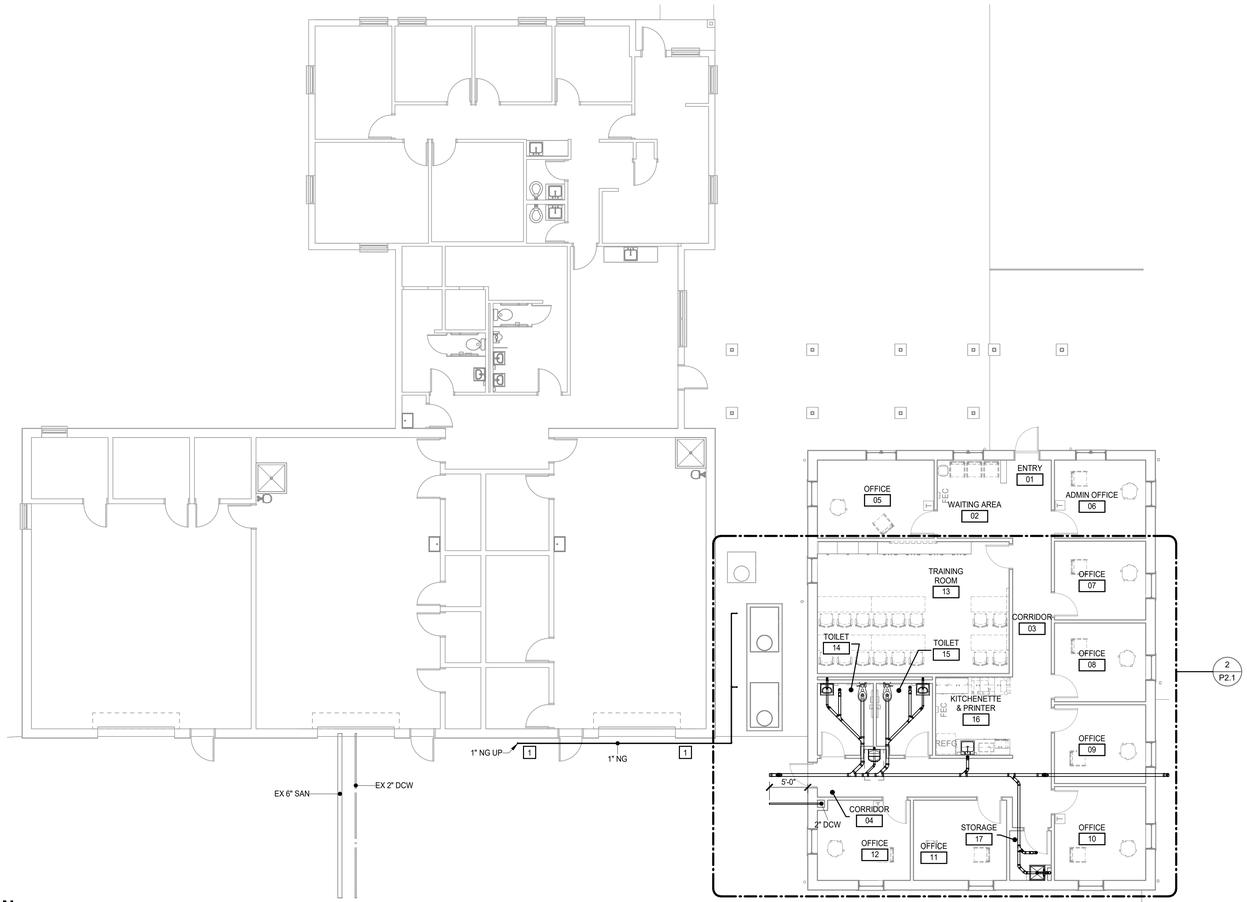
P0.1

4/9/2026 8:51:12 AM

## KEYNOTES

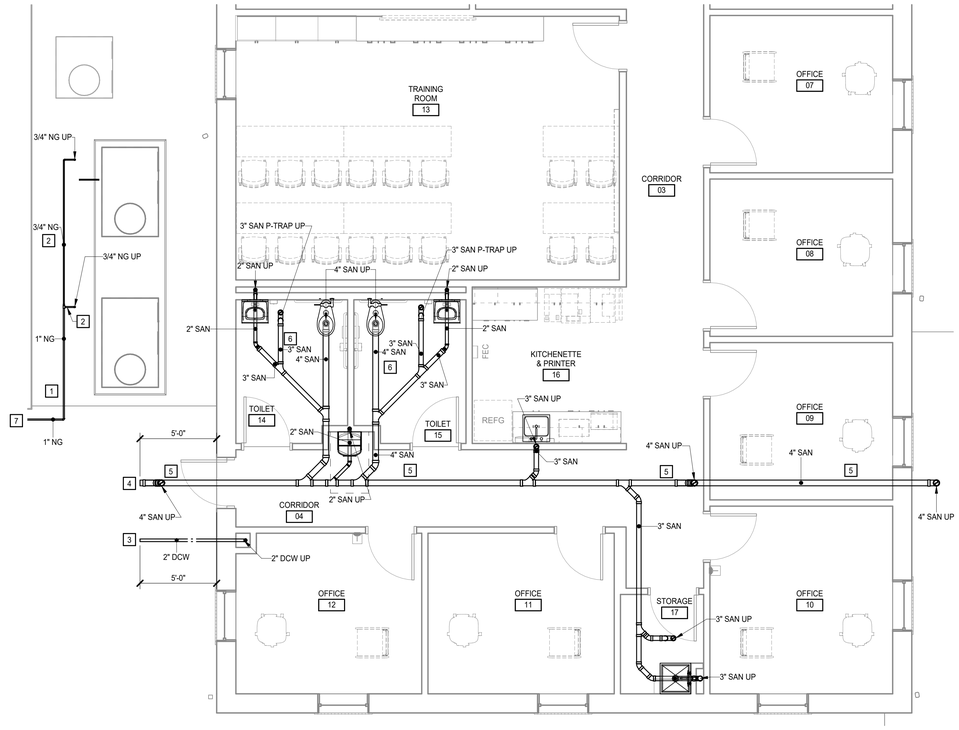
APPLIES TO DRAWINGS P2.1
REPRESENTED BY n

1. UNDERGROUND 1" NATURAL GAS PIPING.
2. UNDERGROUND 3/4" NATURAL GAS PIPING.
3. 2" DOMESTIC COLD WATER LINE INVERT ELEVATION AT -2' B.F.G..SEE CIVIL PLANS FOR PIPING CONTINUATION.
4. 4" SANITARY WASTE LINE INVERT ELEVATION AT -3'-6" B.F.G.. SEE CIVIL PLANS FOR PIPING CONTINUATION.
5. SANITARY WASTE PIPING TO BE SLOPED AT 1/8" / 12".
6. SANITARY WASTE PIPING SERVING TOILET ROOM FIXTURES SHALL BE CAST IRON WITH MLV WRAP AND PROVIDED WITH RUBBER PIPE HANGER.
7. SEE A/P2.1 FOR PIPING CONTINUATION.




N A P2.1

**FOUNDATION PLAN - PLUMBING**
1/8" = 1'-0"




N 2 P2.1 P2.1

**ENLARGED FOUNDATION PLAN - PLUMBING**
1/4" = 1'-0"

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

0' 1' 2' 4' 8'
1/4" = 1'-0"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LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: April 08 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

FOUNDATION PLAN - PLUMBING

P2.1

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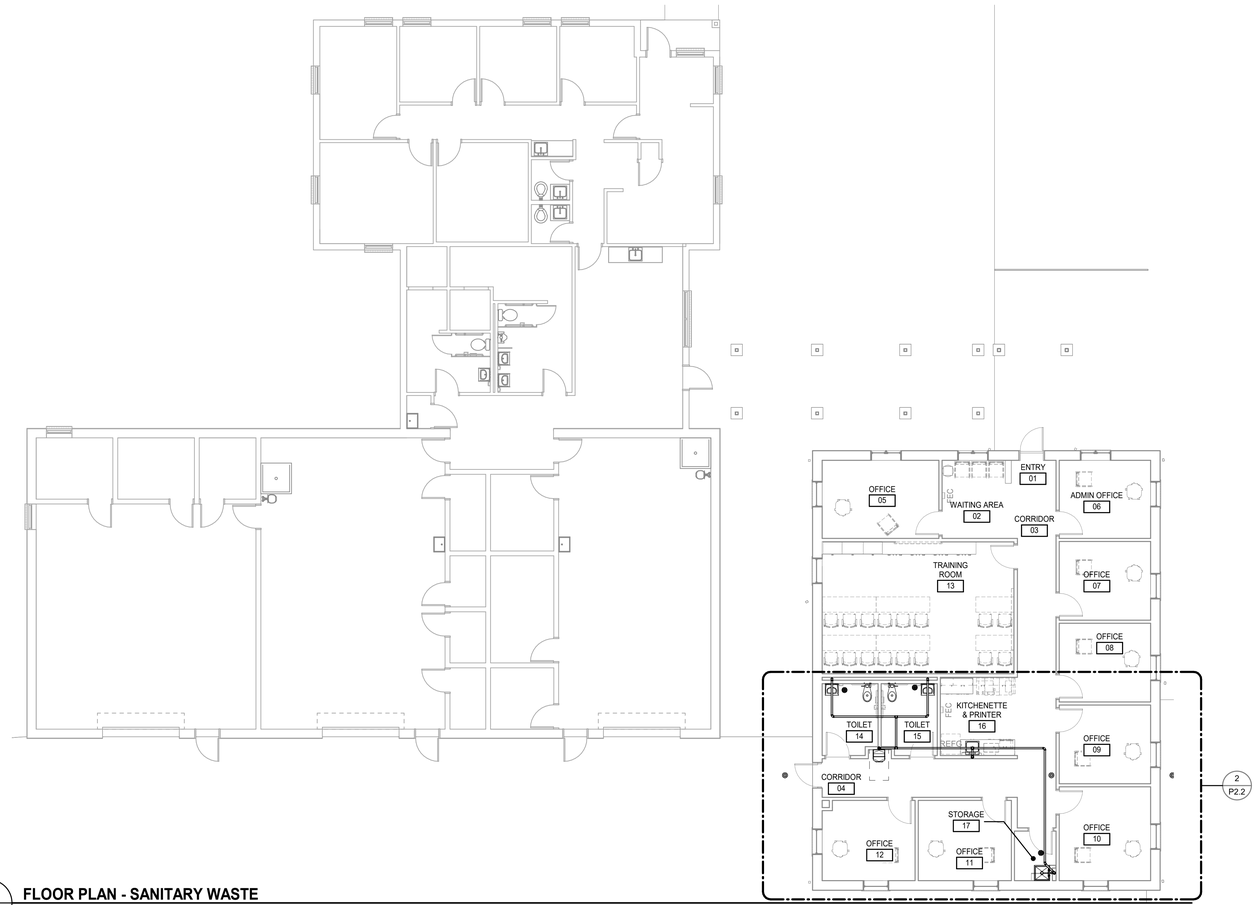
## KEYNOTES

APPLIES TO DRAWINGS P2.2
REPRESENTED BY [n]

1. WALL CLEANOUT TO BE FULL SIZE OF SANITARY WASTE LINE.
2. VENT PIPING SERVING TOILET ROOM FIXTURES TO BE OF CAST IRON WITH MLV WRAP AND PROVIDED WITH RUBBER PIPE HANGER.

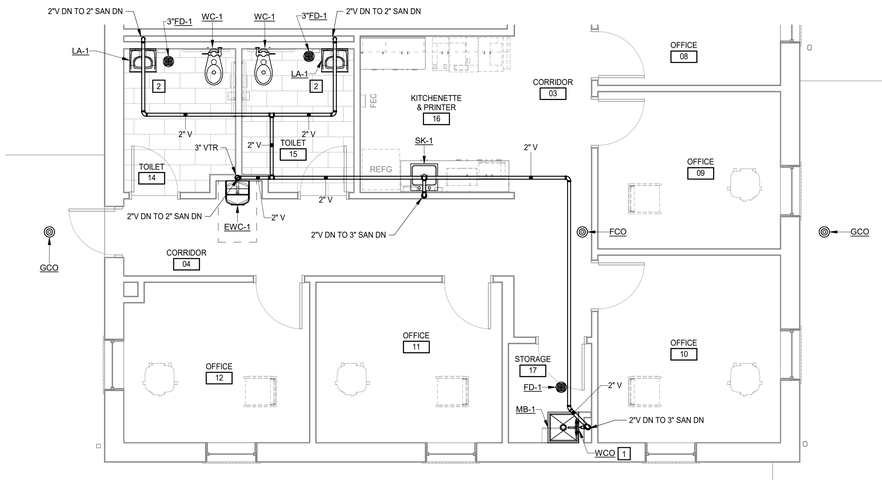



N

1 P2.2

**FLOOR PLAN - SANITARY WASTE**

1/8" = 1'-0"




N

2 P2.2 P2.2

**ENLARGED FLOOR PLAN - SANITARY WASTE**

1/4" = 1'-0"

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

0' 1' 2' 4' 8'
1/4" = 1'-0"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**LEE COUNTY**
**805 SOUTH 5TH STREET, SANFORD, NC 27330**

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| DATE | DESCRIPTION |

**FLOOR PLAN - SANITARY WASTE PIPING**

**P2.2**

4/9/2026 8:51:14 AM

## KEYNOTES

APPLIES TO DRAWINGS P2.3
REPRESENTED BY n

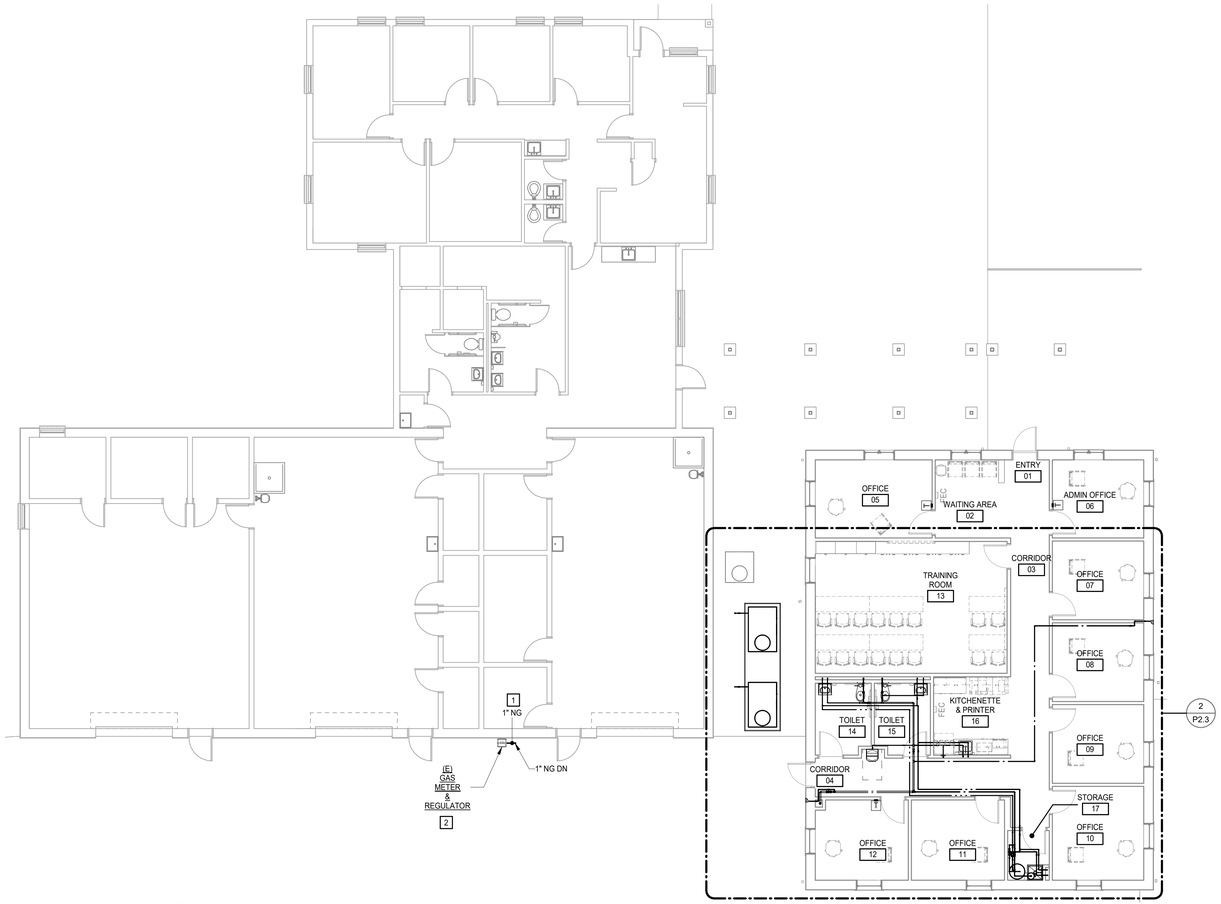
1. CONNECT NEW 1" NATURAL GAS LINE TO EXISTING 1" OR GREATER GAS LINE FROM GAS METER. CONTRACTOR TO FIELD COORDINATE EXACT TIE-IN LOCATION WITH EXISTING CONDITIONS.
2. PLUMBING CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE EXISTING GAS METER AND GAS PRESSURE REGULATOR AND CONFIRM THAT THEY CAN ACCOMMODATE AN ADDITIONAL LOAD OF 80 MBH AT 0.5 PSI (14" W.C.) AT EQUIVALENT NEW PIPING LENGTH OF 55FT.

   PLUMBING CONTRACTOR SHALL VERIFY EXISTING GAS LOADS AND THE TOTAL DEVELOPED LENGTH OF GAS PIPING TO THE FARTHEST GAS APPLIANCE.

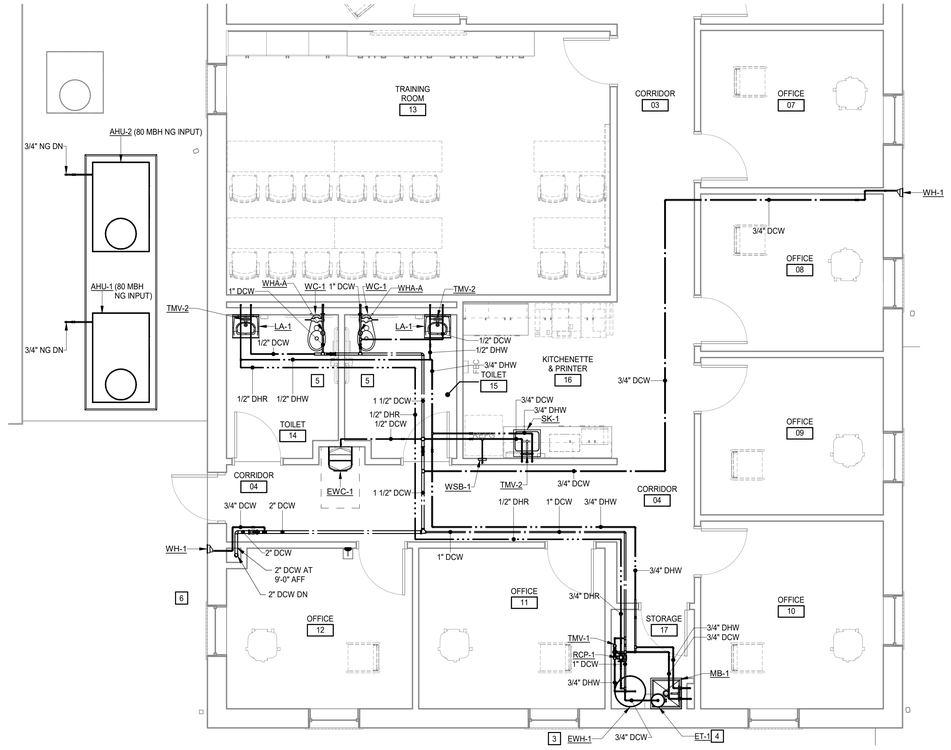
   IF THE EXISTING GAS METER AND REGULATOR ARE FOUND TO BE INADEQUATE TO SERVE THE ADDITIONAL LOAD, THE CONTRACTOR SHALL SUBMIT AN RFI TO THE PLUMBING ENGINEER INCLUDING:
   - EXISTING GAS METER SIZE
   - EXISTING GAS REGULATOR SIZE
   - EXISTING CONNECTED GAS LOADS
   - TOTAL DEVELOPED LENGTH OF GAS PIPING

   UPON REVIEW, THE GAS UTILITY PROVIDER WILL PROVIDE THE REQUIRED NEW GAS METER AND NEW GAS REGULATOR SIZE.

   FOR BIDDING PURPOSES, PLUMBING CONTRACTOR SHALL INCLUDE COST FOR REPLACEMENT OF THE EXISTING GAS METER AND GAS PRESSURE REGULATOR. IF REPLACEMENT IS DETERMINED TO BE UNNECESSARY, A CREDIT SHALL BE ISSUED TO THE OWNER.
3. WALL MOUNTED WATER HEATER AT 5' AFF.
4. SEE WATER HEATER DETAIL FOR MORE INFORMATION ON EXPANSION TANK.
5. WATER PIPING SERVING TOILET ROOM FIXTURES TO BE OF COPPER WITH FOAM INSULATION, MLV WRAP AND PROVIDED WITH RUBBER PIPE HANGER AND RUBBER LINED ISOLATION CLAMPS.
6. 2" DOUBLE CHECK VALVE BACKFLOW PREVENTER. SEE CIVIL UTILITY PLANS FOR MORE INFORMATION ON BACKFLOW PREVENTER.




N 1 P2.3
**FLOOR PLAN - DOMESTIC WATER**
1/8" = 1'-0"




N 2 P2.3 P2.3
**ENLARGED FLOOR PLAN - DOMESTIC WATER**
1/4" = 1'-0"

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

0' 1' 2' 4' 8'
1/4" = 1'-0"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**LEE COUNTY GENERAL SERVICES BUILDING EXPANSION**
**LEE COUNTY**
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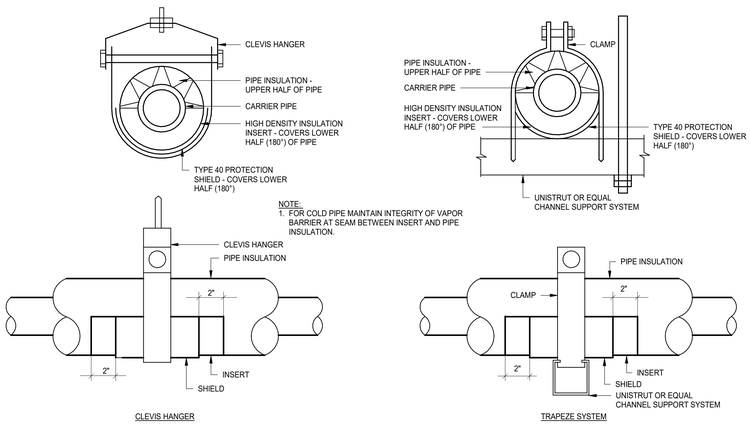
**FLOOR PLAN - DOMESTIC WATER PIPING**

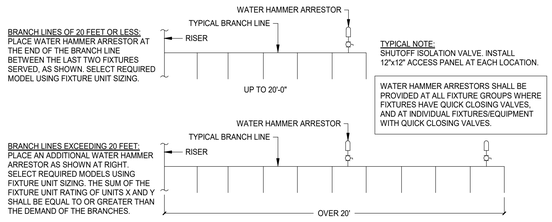
**P2.3**

4/9/2026 8:51:15 AM




## PIPE SUPPORT AND THERMAL SHIELD DETAILS

NO SCALE




| P.D.I. WATER HAMMER ARRESTORS | | | | | | |
|---|---|---|---|---|---|---|
| LENGTH OF PIPE | NOMINAL PIPE DIAMETERS | | | | | |
| | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2" |
| 25' | A | A | B | C | D | E |
| 50' | A | B | C | D | E | F |
| 75' | B | C | D | AE | F | EF |
| 100' | C | D | E | F | CF | FF |
| 125' | C | D | F | AF | EF | EFF |
| 150' | D | E | F | DF | FF | FFF |

WHEN LONG RUNS OF PIPING ARE EMPLOYED TO SERVE REMOTE EQUIPMENT, WATER HAMMER ARRESTOR SHOULD BE LOCATED AS CLOSE AS POSSIBLE TO THE POINT OF QUICK CLOSURE OR HAMMER SOURCE.

THE SIZE AND QUANTITY OF WATER HAMMER ARRESTORS TO BE INSTALLED IN BRANCH LINES IS SHOWN IN TABLE. WHEN FLOR PRESSURE OF 65 PSIG TO 85 PSIG ARE USED, THE NEXT LARGER SIZE SHOULD BE SELECTED.

| WATER HAMMER ARRESTOR CAPACITIES | | | |
|---|---|---|---|
| CONN. SIZE | PDI SIZE | FIXTURE UNIT CAPACITY | CUBIC INCH VOLUME |
| 1/2" | A | 1 TO 11 | 5 |
| 3/4" | B | 12 TO 32 | 7 |
| 1" | C | 33 TO 60 | 11 |
| 1" | D | 61 TO 113 | 20 |
| 1" | E | 114 TO 154 | 29 |
| 1" | F | 155 TO 330 | 34 |

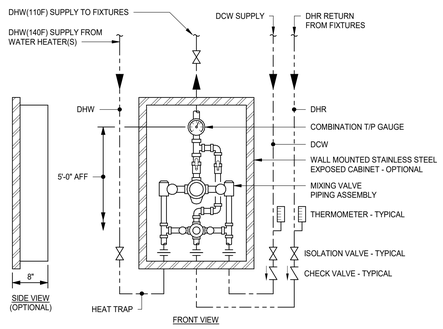
NOTE: MATCH TOTAL FIXTURE UNITS OF BRANCH LINE TO CORRECT SIZE OF WATER HAMMER ARRESTOR.

| SHOCK ABSORBER SELECTION | | |
|---|---|---|
| CODE | PDI SIZE | FIXTURE UNITS |
| SA-1 | A | 1-11 |
| SA-2 | B | 12-32 |
| SA-3 | C | 33-60 |
| SA-4 | D | 61-113 |
| SA-5 | E | 114-154 |
| SA-6 | F | 155-330 |

SHOCK ABSORBER SELECTION TABLE

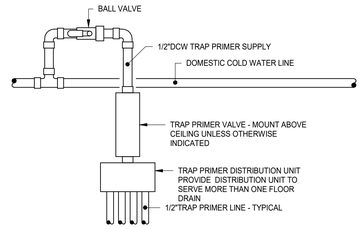
## WATER HAMMER ARRESTOR INSTALLATION & SIZING DETAIL

NO SCALE

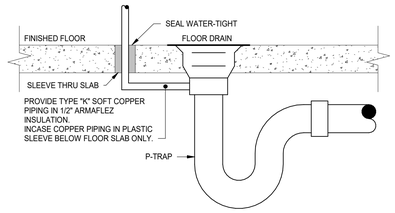



## THERMOSTATIC MIXING VALVE DETAIL

NO SCALE



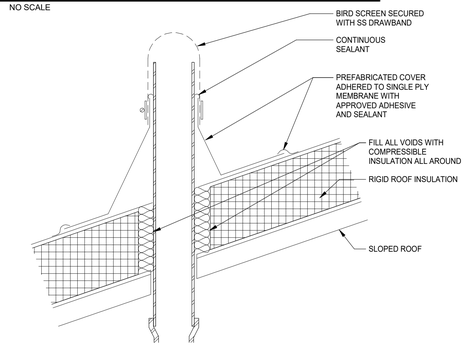

NOTES:
1. PRIMERS, VALVES, AND ASSOCIATED PIPING SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS.
2. PROVIDE DISTRIBUTION UNIT SIZED FOR NUMBER OF DRAINS TO BE SERVED BY EACH INDIVIDUAL PRIMER.
3. DISTRIBUTION UNIT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.




## MECHANICAL PRIMER DETAIL

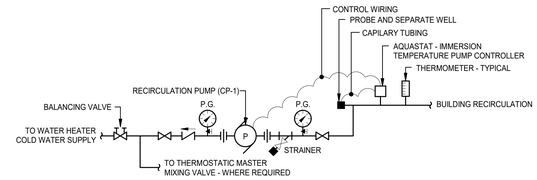
## TRAP PRIMER ASSEMBLY DETAIL

NO SCALE



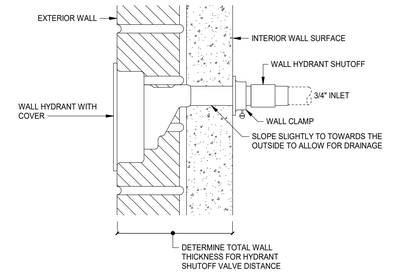

## VENT THRU SLOPED ROOF DETAIL

NO SCALE



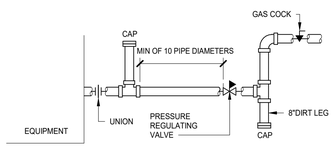

## CIRCULATION PUMP DETAIL

NO SCALE



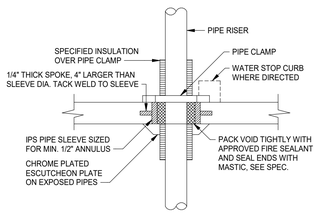

## EXTERIOR WALL HYDRANT DETAIL

NO SCALE



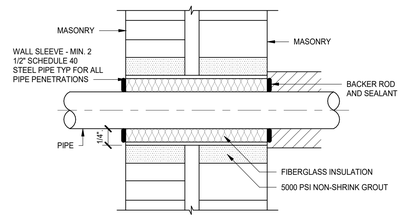

## GAS CONNECTION DETAIL

NO SCALE



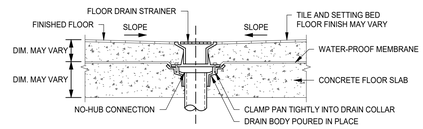

## PIPE THRU FLOOR SLAB DETAIL

NO SCALE



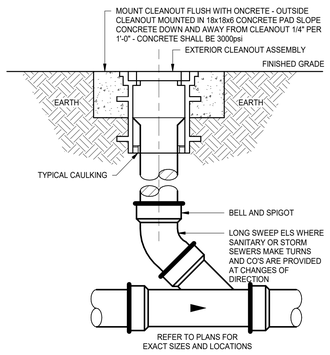

## PIPE SLEEVE DETAIL

NO SCALE



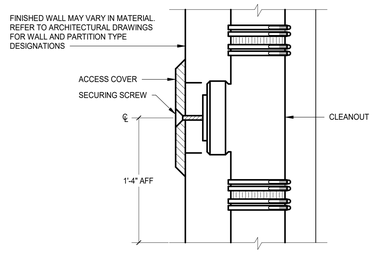

## FLOOR DRAIN IN OPEN AREA DETAIL

NO SCALE



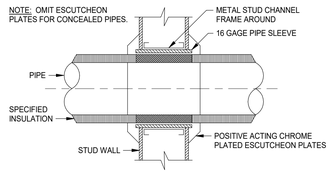

## EXTERIOR GRADE CLEANOUT DETAIL

NO SCALE



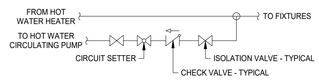

## WALL CLEANOUT DETAIL

NO SCALE



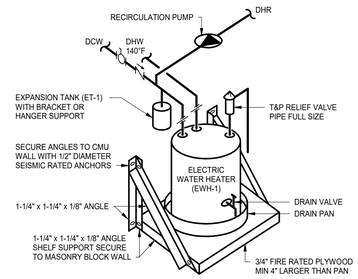

## PIPE THRU STUD WALL DETAIL

NO SCALE




## HOT WATER RECIRCULATION BRANCH CONNECTION DETAIL

NO SCALE




## WALL MOUNTED ELECTRIC WATER HEATER DETAIL

NO SCALE

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

NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER TIMOTHY WHEELER

LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: April 08 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

PLUMBING DETAILS

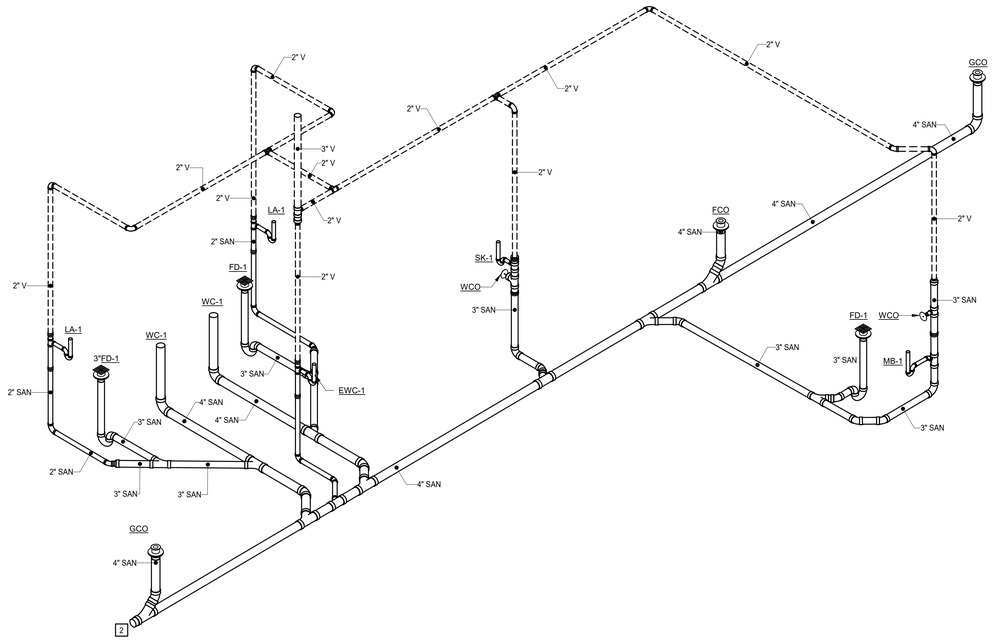
P5.1

4/9/2026 8:51:16 AM

## KEYNOTES

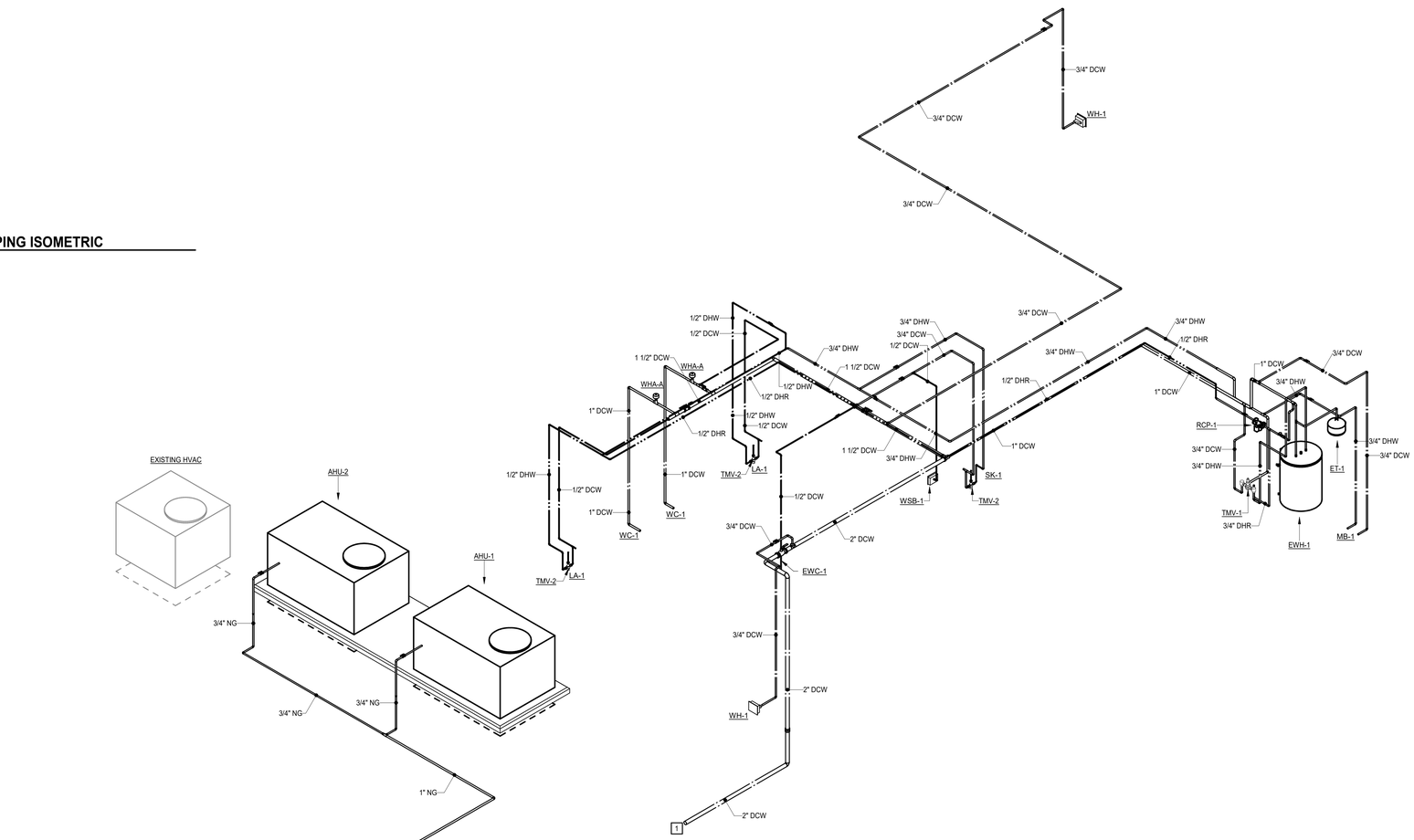
APPLIES TO DRAWINGS P7.1
REPRESENTED BY n

1. 2" DOMESTIC COLD WATER LINE.SEE CIVIL PLANS FOR PIPING CONTINUATION.
2. 4" SANITARY WASTE LINE. SEE CIVIL PLANS FOR PIPING CONTINUATION.




### SANITARY WASTE AND VENT PIPING ISOMETRIC

NO SCALE




### DOMESTIC WATER AND NATURAL GAS PIPING ISOMETRIC

NO SCALE


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


NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER BRETT T WHITE

LEE COUNTY GENERAL SERVICES BUILDING EXPANSION
LEE COUNTY
805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: April 08 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

PLUMBING ISOMETRICS

P7.1

4/9/2026 5:15:38 PM

## EQUIPMENT ABBREVIATIONS

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

## CONTROLS ABBREVIATIONS

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

## ABBREVIATIONS

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

## GRAPHIC SYMBOL LEGEND

CORRIDOR A101 — **SPACE TAG**: SPACE NAME, SPACE NUMBER, BUILDING "PART" NUMBER IN MULTI-PART BUILDING

AHU-12 — **EQUIPMENT TAG**: EQUIPMENT NUMBER, EQUIPMENT ABBREVIATION

S1 / 325 — **DIFFUSER, GRILLE OR REGISTER TAG**: TAG, REFER TO DIFFUSER, GRILLE AND REGISTER SCHEDULE; AIRFLOW (CFM)

1 / M5.1 — **DETAIL TAG**: DETAIL NUMBER, DRAWING WHERE DETAIL IS INDICATED

15 — KEYNOTE

C — STRUCTURAL GRID LINE WITH DESIGNATION

EXC — EXISTING STRUCTURAL GRID LINE WITH DESIGNATION

EXISTING TO BE REMOVED

1 / M5.1 — **DETAIL TITLE**: 1/4"=1'-0"; M2.2, M2.3, M2.4; DETAIL NUMBER, DRAWING WHERE DETAIL IS INDICATED, DRAWING WHERE DETAIL IS REFERENCED, ADDITIONAL DRAWING REFERENCES

1 / M4.1 — **SECTION TITLE**: 1/4"=1'-0"; M2.2, M2.3, M2.4; SECTION NUMBER, DRAWING WHERE SECTION IS INDICATED, DRAWING WHERE SECTION IS REFERENCED, ADDITIONAL DRAWING REFERENCES

1 / M4.1 — **SECTION CALLOUT**: SECTION NUMBER, DRAWING WHERE SECTION IS INDICATED

1 / M3.1 — **ENLARGED PLAN CALLOUT**: ENLARGED PLAN NUMBER, DRAWING WHERE ENLARGED PLAN IS INDICATED

MECHANICAL EQUIPMENT WITH REQUIRED SERVICE CLEARANCE INDICATED

## DUCTWORK LEGEND

- 18x8 — RECTANGULAR DUCT (FIRST DIMENSION REFERS TO SIDE VIEWED)
- 18ø — ROUND DUCT SIZE
- 18/12 — FLAT OVAL DUCT SIZE
- 18ø — DOUBLE WALL, EXPOSED DUCT
- 18ø — FABRIC DUCT
- FLEXIBLE DUCTWORK
- FLEXIBLE CONNECTOR
- SD — DUCT-MOUNTED SMOKE DETECTOR
- DUCT WITH DUCT LINER
- DUCT ACCESS DOOR
- DUCT WITH END CAP
- LINEAR SLOT DIFFUSER, LENGTH AS INDICATED
- LINEAR BAR GRILLE, LENGTH AS INDICATED
- SUPPLY DIFFUSER
- RETURN OR EXHAUST GRILLE
- SUPPLY DIFFUSER WITH DIRECTIONAL BLOW, SOLID HATCH INDICATES BLANK OFF PANEL
- POINT OF CONNECTION TO EXISTING
- LIMIT OF DEMOLITION
- SUPPLY AIRFLOW ARROW
- RETURN OR EXHAUST AIRFLOW ARROW
- UC — DOOR UNDERCUT
- DL — DOOR LOUVER
- SENSOR WELL

- MANUAL BALANCING DAMPER IN DUCT
- FIRE DAMPER IN DUCT
- SMOKE DAMPER IN DUCT
- COMBINATION FIRE/SMOKE DAMPER IN DUCT
- SB — FIRE DAMPER WITH SECURITY BARS IN DUCT
- SB — SMOKE DAMPER WITH SECURITY BARS IN DUCT
- SB — COMBINATION FIRE/SMOKE DAMPER WITH SECURITY BARS IN DUCT
- M — MOTORIZED DAMPER IN DUCT
- SMOKE CONTROL MANUAL BALANCING DAMPER IN DUCT
- M — SMOKE CONTROL MOTORIZED DAMPER IN DUCT
- SB — SECURITY BARS IN DUCT
- AP — DUCT WITH ACCESS PANEL
- TO / AWAY — SUPPLY/MAKEUP AIR DUCT SECTIONS
- TO / AWAY — RETURN AIR DUCT SECTIONS
- TO / AWAY — EXHAUST AIR DUCT SECTIONS
- SD — SMOKE DETECTOR
- H — HUMIDITY SENSOR
- T — THERMOSTAT, LINE VOLTAGE
- T — THERMOSTAT, LOW VOLTAGE
- S — TEMPERATURE SENSOR
- C — CARBON DIOXIDE SENSOR
- CM — CARBON MONOXIDE SENSOR

## PIPING LEGEND

- CO — END OF LINE CLEANOUT PLUG
- CO — CLEANOUT PLUG
- PRESSURE GAUGE WITH GAUGE COCK
- T — LIQUID FILLED THERMOMETER
- UNION
- STRAINER WITH BLOWDOWN VALVE AND 3/4" HOSE END CONNECTION
- FLEXIBLE PIPE CONNECTOR
- MA — MANUAL AIR VENT

- VALVE
- MANUAL BALANCING VALVE WITH FLOW TAPS
- AUTOMATIC BALANCING VALVE WITH FLOW TAPS
- SWING CHECK VALVE
- PRESSURE REDUCING VALVE
- TRIPLE DUTY VALVE
- GAS COCK
- P — PRESSURE-RELIEF VALVE
- M — TWO-WAY CONTROL VALVE
- M — THREE-WAY CONTROL VALVE
- DIRECTION OF FLOW

## CONTROL SYMBOL LEGEND

- CIRCULATOR OR PUMP
- MOTORIZED 2-WAY VALVE
- MOTORIZED 3-WAY VALVE
- VFD — VARIABLE FREQUENCY DRIVE
- DDC — DIRECT DIGITAL CONTROLLER
- T — THERMOSTAT
- FZ — FREEZESTAT
- C — CONTACTOR
- R — RELAY
- S — SPACE TEMPERATURE SENSOR
- T — LINE VOLTAGE THERMOSTAT
- H, A — HAND-OFF-AUTOMATIC SWITCH
- SD — DUCT-MOUNTED SMOKE DETECTOR
- TRANSFORMER
- FUSE

- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- WIRING OR DEVICE PROVIDED UNDER DIVISION 23
- WIRING OR DEVICE NOT PROVIDED UNDER DIVISION 23
- WIRING CONNECTION BY DIVISION 23
- WIRING CONNECTION BY OTHERS
- NUMBER OF CONDUCTORS INDICATED BY SLASH MARKS
- MOTORIZED PARALLEL BLADE DAMPER
- MOTORIZED OPPOSED BLADE DAMPER
- MOTORIZED BUTTERFLY BLADE DAMPER
- SUPPLY, RETURN, OR EXHAUST FAN
- AIRFLOW DIRECTION
- AI / TS — CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (AIR TEMPERATURE SENSOR)
- AI / TS — CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (AIR TEMPERATURE SENSOR WITH AVERAGING ELEMENT)
- AI / TS — CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (WATER TEMPERATURE SENSOR WITH BULB TYPE ELEMENT IN PIPING WELL)
- AI / CSR — CONTROL POINT INDICATOR: INPUT OR OUTPUT (ANALOG INPUT); DEVICE TYPE (CURRENT SENSING RELAY)

## GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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MOSELEYDESIGNS.COM

NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER TIMOTHY T WHITE

# LEE CO. GENERAL SERVICES BLDG EXPANSION

805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

REVISIONS

| DATE | DESCRIPTION |
|---|---|

LEGENDS, ABBREVIATIONS AND GENERAL NOTES

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## PACKAGED AIR HANDLING UNIT SCHEDULE

| TAG | MANUFACTURER | MODEL NUMBER | SUPPLY FAN | | | | DX COOLING COIL | | | | | | | INDIRECT GAS BURNER | | | | | | ELECTRICAL SERVICE | | | | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | DESIGN AIRFLOW (CFM) | ESP (IN WC) | SPEED (RPM) | MOTOR SIZE (HP) | OUTSIDE AIRFLOW (CFM) | GROSS TOTAL CAPACITY (BTUH) | GROSS SENSIBLE CAPACITY (BTUH) | EAT DB (°F) | EAT WB (°F) | LAT DB (°F) | LAT WB (°F) | SEER | INPUT CAPACITY (BTUH) | OUTPUT CAPACITY (BTUH) | EAT (°F) | LAT (°F) | MAX INLET GAS PRESSURE (IN WG) | MIN INLET GAS PRESSURE (IN WG) | MCA (A) | MOCP (A) | (V) | (PH) | (HZ) | WEIGHT (LBS) | |
| AHU-1 | TRANE | YHK036 | 1,155 | 1.00 | 1023 | 3/4 | 105 | 38,670 | 28,230 | 80.0 | 67.0 | 58.4 | 56.4 | 17.1 | 80,000 | 64,800 | 60.0 | 90.0 | 10.5 | 4.5 | 22.0 | 30.0 | 208 | 3 | 60 | 735 | 1,2,3,4,5,7 |
| AHU-2 | TRANE | YHK036 | 1,085 | 1.00 | 979 | 3/4 | 190 | 38,190 | 27,200 | 80.0 | 67.0 | 57.8 | 55.8 | 17.1 | 80,000 | 64,800 | 60.0 | 90.0 | 10.5 | 4.5 | 22.0 | 30.0 | 208 | 3 | 60 | 735 | 1,2,3,4,5,7 |

NOTES:
1. PROVIDE SINGLE POINT POWER CONNECTION WITH UNIT-MOUNTED DISCONNECT.
2. PROVIDE ECONOMIZER OPERATION WITH BAROMETRIC RELIEF DAMPER.
3. PROVIDE MOTORIZED OUTSIDE AIR DAMPER.
4. PROVIDE HIGH EFFICIENCY MODEL WITH SINGLE ZONE VAV SUPPLY FAN.
5. PROVIDE HOT GAS REHEAT.
6. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT.
7. PROVIDE TRANE PIVOT SMART THERMOSTAT OR APPROVED EQUAL. SMART THERMOSTAT SHALL AVERAGE FOUR REMOTE THERMOSTATS FOR CONTROL AND HAVE 7-DAY PROGRAMMABILITY. SEE FLOOR PLANS FOR LOCATION.

## FAN SCHEDULE

| TAG | MANUFACTURER | MODEL NUMBER | SERVING | TYPE | AIRFLOW (CFM) | ESP (IN WC) | FAN WHEEL (RPM) | DRIVE TYPE | SONES | CONTROL METHOD | MOTOR (HP) | ELECTRICAL DATA (V) | (PH) | (HZ) | WEIGHT (LBS) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F-1 | GREENHECK | SP-A90 | 14 TOILET | CEILING | 75 | 0.25 | 900 | DIRECT | 1 | OCC SENSOR | 15 WATTS | 120 | 1 | 60 | 15 | 1,2 |
| F-2 | GREENHECK | SP-A90 | 15 TOILET | CEILING | 75 | 0.25 | 900 | DIRECT | 1 | OCC SENSOR | 15 WATTS | 120 | 1 | 60 | 15 | 1,2 |

NOTES:
1. PROVIDE WASHABLE FILTER BETWEEN FAN AND GRILLE.
2. PROVIDE MODEL RCC-7 CURB CAP WITH BUILT-IN BIRDSCREEN.

## GRILLE, REGISTER, & DIFFUSER SCHEDULE

| TAG | MANUFACTURER | MODEL NUMBER | MOUNTING STYLE | NECK SIZE | FACE SIZE | MAX NC LEVEL |
|---|---|---|---|---|---|---|
| S1 | PRICE | ASCD | LAY-IN | 6" | 24x24 | 25 |
| S2 | PRICE | ASCD | LAY-IN | 8" | 24x24 | 25 |
| S3 | PRICE | 610-F-L | SURFACE | 8x8 | 6x6 | 25 |
| R1 | PRICE | 635-TB-L | LAY-IN | 24x24 | 22x22 | 25 |

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NORTH CAROLINA PROFESSIONAL SEAL 043951 ENGINEER KEITH T WHITLEY

# LEE CO. GENERAL SERVICES BLDG EXPANSION

805 SOUTH 5TH STREET, SANFORD, NC 27330

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SCHEDULES

M0.2

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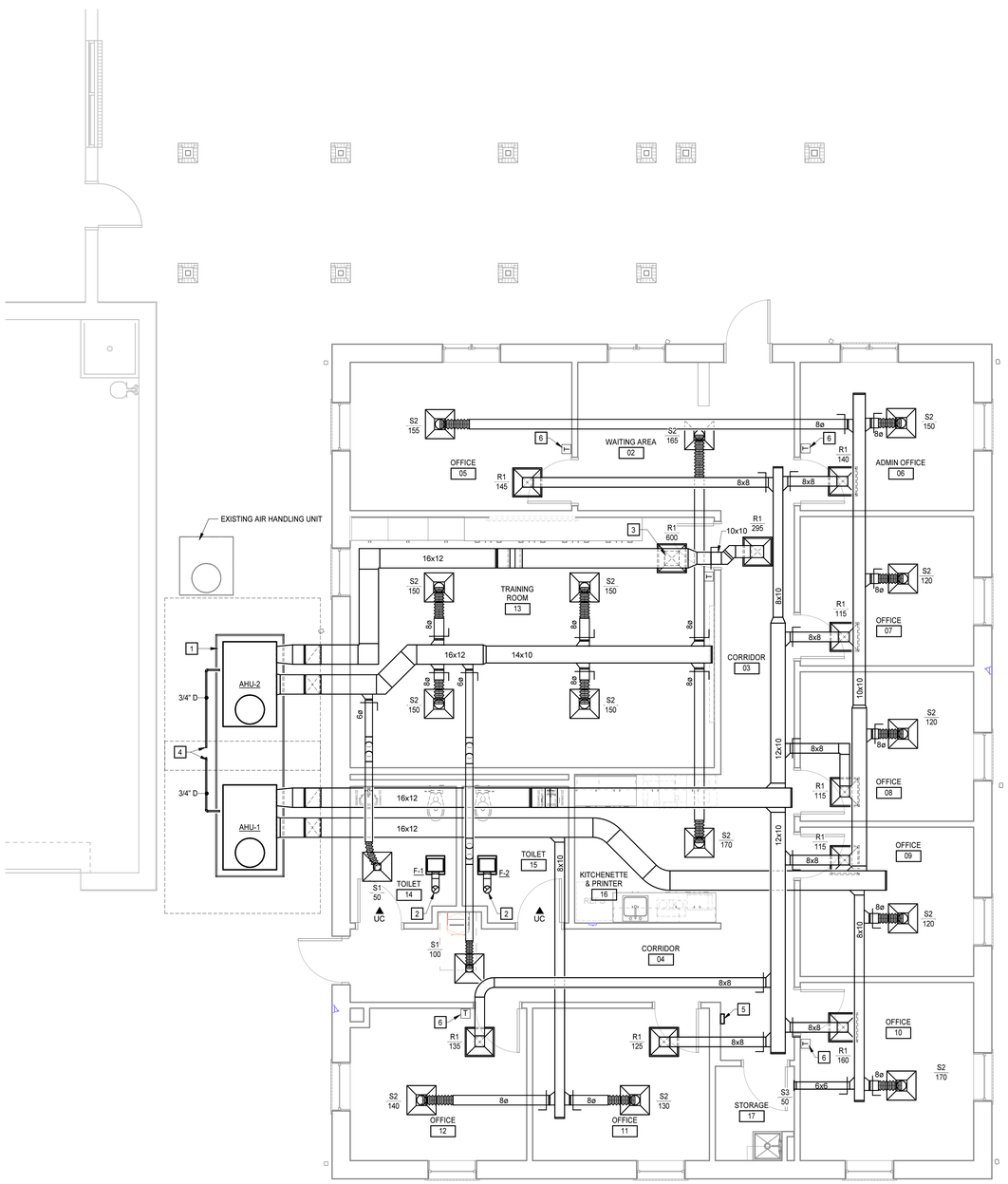
## KEYNOTES

APPLIES TO THIS DRAWING
REPRESENTED BY [n]

1. EXTERIOR CONCRETE PAD. SEE STRUCTURAL DRAWINGS FOR DETAIL.
2. 6" UP TO ROOF VENT, MODEL RCC-7 CURB CAP.
3. 12x12 DOWN TO GRILLE WITH MANUAL BALANCING DAMPER IN VERTICAL.
4. ROUTE CONDENSATE DRAIN TO DRY WELL. SEE DETAIL ON DRAWING M5.1.
5. TRANE PIVOT SMART THERMOSTAT.
6. REMOTE AVERAGING SENSOR WIRED TO SMART THERMOSTAT.




N

**FLOOR PLAN**
1/4" = 1'-0"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|---|---|

FLOOR PLAN

M2.1

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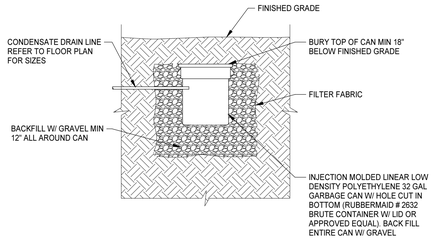
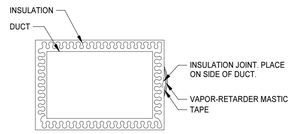
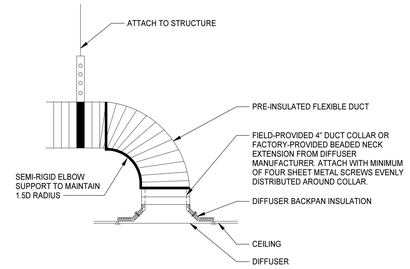



## DRY-WELL DETAIL

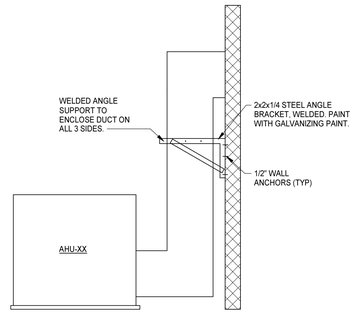



**REFER TO SPECIFICATION SECTION 230700 FOR ADDITIONAL INFORMATION.**

## DUCT INSULATION JOINT DETAIL

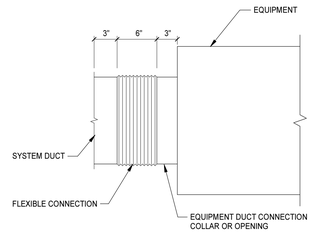



## FLEXIBLE DUCT TO DIFFUSER CONNECTION DETAIL



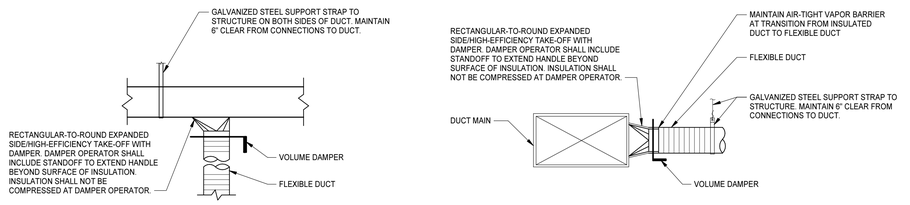

NOTES:
1. EXTERIOR DUCT SUPPORT TYPICAL FOR BOTH SUPPLY AND RETURN DUCT.
2. HORIZONTAL DUCTWORK SHALL BE SUPPORTED BY NON-PENETRATING SUPPORTS. SEE SECTION 233300 FOR DUCT SUPPORTS.

## EXTERIOR DUCTWORK SUPPORT



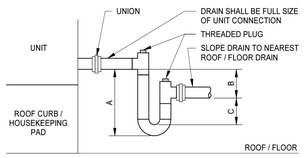

NOTE: THIS DETAIL APPLIES TO ALL DUCT CONNECTIONS TO AIR HANDLING UNITS AND FANS UNLESS OTHERWISE INDICATED

## EQUIPMENT DUCT CONNECTION DETAIL




NOTES:
1. FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/LIP ON METAL DUCT) AND ANCHORED WITH NYLON MECHANICAL BANDS OR PANDUIT STRAP.
2. IN EXPOSED AREAS, PROVIDE RIGID GALVANIZED STEEL BRANCH DUCT TO DIFFUSERS IN LIEU OF FLEXIBLE DUCT UNLESS INDICATED OTHERWISE. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR METAL DUCTS.
3. HANGERS AND SUPPORT STRAPS SHALL COMPLY WITH SECTION 233113, HANGERS AND SUPPORTS PARAGRAPH.

## BRANCH CONNECTION TO DIFFUSER DETAILS

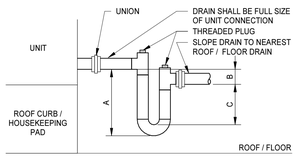



NEGATIVE PRESSURE TRAP

A = B + C + PIPE DIAMETER WHERE:

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

C = 1/2 OF B



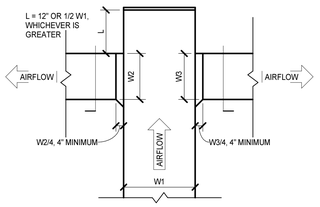

POSITIVE PRESSURE TRAP

A = B + C + PIPE DIAMETER WHERE:

B = 1" MINIMUM

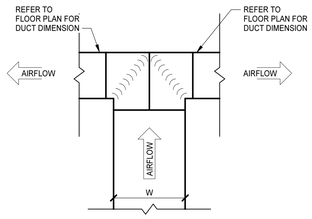
C = 1" + MAXIMUM UNIT POSITIVE STATIC PRESSURE AT COIL DISCHARGE

## CONDENSATE DRAIN PIPING DETAIL



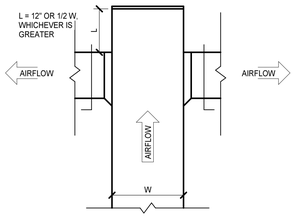

NOTE:
1. REFER TO *BRANCH CONNECTION TO DIFFUSER DETAILS* FOR BRANCH TAKE-OFF REQUIREMENTS.

## END OF DUCT MAIN DETAIL




NOTES:

1. APPLIES WHERE "W" EXCEEDS 24" OR WHEN AIRFLOW EXCEEDS 1,500 CFM.




NOTES:

1. REFER TO *BRANCH CONNECTION TO DIFFUSER DETAILS* FOR BRANCH TAKE-OFF REQUIREMENTS.
2. APPLIES TO:
   A. WHERE "W" IS LESS THAN 24"
   B. ROUND DUCT BRANCHES TO DIFFUSERS
   C. WHEN AIRFLOW IS EQUAL TO OR LESS THAN 1,500 CFM.

## DIVIDED FLOW BRANCH DETAILS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DETAILS

M5.1

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## SECURITY LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | DIRECTIONAL SECURITY MOTION DETECTOR, WALL MOUNT 6' BFC. |
| | OMNI-DIRECTIONAL SECURITY MOTION DETECTOR. |
| | FUTURE CCTV MOUNTING LOCATION, CEILING MOUNT. PROVIDE 20' OF CAT6A CABLE COILED ABOVE CEILING FOR FUTURE INSTALLATION OF SECURITY CAMERA. RUN CABLE TO ROOM XXXX AND COIL 20' OF CABLE INSIDE ROOM. |
| | FUTURE CCTV MOUNTING LOCATION, WALL MOUNT. PROVIDE 20' OF CAT6A CABLE COILED ABOVE CEILING FOR FUTURE INSTALLATION OF SECURITY CAMERA. RUN CABLE TO ROOM XXXX AND COIL 20' OF CABLE INSIDE ROOM. |
| DPS | DOOR POSITION SWITCH. |
| | STATUS CONTACT. |
| CR | CARD READER, MOUNT AT 3'-10" AFF. |
| CK | CARD READER WITH KEYPAD, MOUNT AT 3'-10" AFF. |
| K | REMOTE KEYPAD FOR SECURITY SYSTEM, MOUNT AT 3'-10" AFF. |
| DS | ELECTRIC DOOR STRIKE. |
| EL | ELECTRIC DOOR LOCK. |
| PL | PNEUMATIC DOOR LOCK. |
| | TALK THROUGH COMMUNICATOR. |
| | DURESS ALARM PUSHBUTTON, MOUNT IN CASEWORK AS INDICATED. |

## RECEPTACLE DEVICE LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE ONE IN DETAIL: |
| | APPLIANCE RECEPTACLE. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED. |
| | DUPLEX RECEPTACLE, NEMA 5-20R. |
| | DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R. |
| | GFCI DUPLEX RECEPTACLE, NEMA 5-20R. |
| | SINGLE RECEPTACLE, NEMA 5-20R. |
| | SWITCHED DUPLEX RECEPTACLE WITH SPLIT YOKE, THE BOTTOM OUTLET IS SWITCHED & THE TOP OUTLET IS UNSWITCHED, NEMA 5-15R. |
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL: |
| | DUPLEX RECEPTACLE, NEMA 5-20R. |
| | DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R. |
| | GFCI DUPLEX RECEPTACLE, NEMA 5-20R. |
| | SINGLE RECEPTACLE, NEMA 5-20R. |
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE FOUR IN DETAIL: |
| | DUPLEX RECEPTACLE, NEMA 5-20R. |
| | GFCI DUPLEX RECEPTACLE, NEMA 5-20R. |
| NOTE: | MOUNT THE FOLLOWING DEVICES AS NOTED: |
| | DUPLEX RECEPTACLE, NEMA 5-20R, CEILING MOUNT. |
| | DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, CEILING MOUNT. |
| | DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT. |
| | DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, RECESS FLOOR MOUNT. |
| | CORD REEL OUTLET, CEILING MOUNT. |

| SYMBOL VARIATIONS | DESCRIPTION |
|---|---|
| | RECEPTACLE CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICE. TYPE OF RECEPTACLE MAY VARY. |
| | GFCI RECEPTACLE CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICE. TYPE OF RECEPTACLE MAY VARY. |
| | PROTECTIVE COVER FOR RECEPTACLE. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE FOR ALL EXTERIOR LOCATIONS. TYPE OF RECEPTACLE MAY VARY. |
| | PLUG LOAD CONTROLLED RECEPTACLE. TYPE OF RECEPTACLE MAY VARY. |
| | RECEPTACLE WITH USB PORTS. TYPE OF RECEPTACLE MAY VARY. |

## POWER DEVICE / EQUIPMENT LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL: |
| | OVERHEAD DOOR CONTROLLER. |
| | DOORBELL PUSH BUTTON. |
| | EMERGENCY POWER OFF (E.P.O) SWITCH. |
| | HANDICAP DOOR OPERATOR SWITCH. |
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE THREE IN DETAIL: |
| | NON-FUSIBLE DISCONNECT SWITCH. |
| | FUSIBLE DISCONNECT SWITCH. |
| | ENCLOSED CIRCUIT BREAKER, CHARACTERISTICS AS INDICATED. |
| | MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH 'ON' INDICATOR PILOT LIGHT. |
| | MAGNETIC MOTOR STARTER, OVERLOAD RELAYS AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS. |
| | COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH, OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED. PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS. |
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE FOUR IN DETAIL: |
| B | DOORBELL CHIME, WALL MOUNTED. |
| NOTE: | MOUNT THE FOLLOWING DEVICES AS NOTED: |
| F | FLUSH VALVE TRANSFORMER POWER CONNECTION. PROVIDE A 4"X4" RECESSED JB AND MOUNT POWER SUPPLY PROVIDED BY DIV 22. COORDINATE CONNECTION WITH DIV 22. PROVIDE A 2"X4" JB AT EACH TOILET, SINK AND WATER CLOSET AS RECOMMENDED BY THE MANUFACTURER. PROVIDE 2 #14 IN 1/2"C "DAISY CHAINED" BETWEEN UP TO EIGHT BOXES AND TERMINATING AT POWER SUPPLY. |
| V | ISOLATION VALVE. REFER TO ISOLATION VALVE CONTROL DETAIL ON DRAWING E4 SERIES DRAWING. |
| EC | EQUIPMENT POWER CONNECTION. |
| J | JUNCTION BOX, CONCEALED ABOVE CEILING, UNO. |
| J | JUNCTION BOX, WALL MOUNTED. MOUNTING HEIGHT AS INDICATED ON PLANS. |
| M | MOTOR POWER CONNECTION. |
| M | MOTOR RATED SWITCH WITH OVERLOAD PROTECTION. |
| T | LINE VOLTAGE THERMOSTAT, DIVISION 23 FURNISH, DIVISION 26 INSTALL. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY. |
| M | POWER FOR DIV 23 MOTORIZED DAMPER. REFER TO DIVISION 23 DRAWINGS FOR LOCATIONS AND QUANTITY. |
| | NON-METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNTING HEIGHT INDICATED ON PLANS. |
| | PANELBOARD OR SWITCHBOARD, PROVIDE 6 INCH CONCRETE HOUSEKEEPING PAD FOR ALL GROUND MOUNTED EQUIPMENT UNLESS NOTED OTHERWISE. DENOTED BY PANELBOARD/SWITCHBOARD TAG PER ONE-LINE DIAGRAM. |
| | TRANSFORMER, PROVIDE 4 INCH CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE. DENOTED BY TRANSFORMER TAG PER ONE-LINE DIAGRAM. |
| | UTILITY METER. MOUNT PER UTILITY STANDARDS, UNO. |
| XXX | FEEDER TAG. REFER TO FEEDER SCHEDULE ON DWG E5.1. |
| XX | [FOR MULTI-FAMILY HOUSING PROJECTS ONLY] RESIDENTIAL UNIT METERCENTER IDENTIFICATION TAG. IDENTIFIES THE METERCENTER THAT PROVIDES POWER TO THE RESIDENTIAL UNIT LOADCENTER. |
| | [FOR SENIOR LIVING PROJECTS ONLY] RESIDENTIAL UNIT PANELBOARD DESIGNATION TAG. IDENTIFIES THE PANELBOARD & CIRCUIT THAT PROVIDES POWER TO THE RESIDENTIAL UNIT LOADCENTER. |
| | BRANCH CIRCUIT RUN CONCEALED, UNO. DASHED INDICATES CIRCUITRY REQUIRED TO BE RUN BELOW SLAB. |
| | BRANCH CIRCUIT HOME RUN TO PANELBOARD AND CIRCUIT INDICATED. |

## ONE LINE DIAGRAM LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | CIRCUIT BREAKER |
| | FUSED SWITCH |
| | TRANSFORMER |
| | TRANSFER SWITCH |
| XXX | FEEDER DESIGNATION |
| CT | CURRENT TRANSFORMER |
| PT | POTENTIAL TRANSFORMER |

## FIRE ALARM LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. |
| XX | FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE. NUMBER INDICATES STROBE CANDELA RATING. |
| XX | FIRE ALARM VISUAL NOTIFICATION DEVICE. NUMBER INDICATES STROBE CANDELA RATING. |
| | FIRE ALARM AUDIO NOTIFICATION DEVICE. |
| XX | FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. NUMBER INDICATES STROBE CANDELA RATING. |
| XX | FIRE ALARM VISUAL NOTIFICATION DEVICE, CEILING MOUNTED. NUMBER INDICATES STROBE CANDELA RATING. |
| | FIRE ALARM AUDIO NOTIFICATION DEVICE, CEILING MOUNTED. |
| F | FIRE ALARM MANUAL PULL STATION. |
| FK | FIRE ALARM KEY OPERATED MANUAL PULL STATION. |
| CA | CARBON MONOXIDE DETECTOR, CEILING MOUNT. |
| SCA | COMBINATION SMOKE DETECTOR / CARBON MONOXIDE, CEILING MOUNT. |
| H | HEAT DETECTOR, CEILING MOUNT. |
| S | SMOKE DETECTOR, CEILING MOUNT. |
| SD | FIRE ALARM DUCT SMOKE DETECTOR, FURNISH AND CONNECT UNDER DIVISION 28. INSTALL UNDER DIVISION 23. VERIFY LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN. PROVIDE ACCESSIBLE KEY OPERATED REMOTE TEST SWITCH FOR EACH DETECTOR. |
| TS | FIRE ALARM TAMPER SWITCH, PROVIDE UNDER DIVISION 21, FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28. |
| FS | FIRE ALARM FLOW SWITCH, PROVIDE UNDER DIVISION 21, FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28. |
| PI | POST INDICATOR VALVE SWITCH, PROVIDE UNDER DIVISION 21, FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28. |
| PS | FIRE ALARM PRESSURE SWITCH, PROVIDE UNDER DIVISION 21, FURNISH AND CONNECT MONITOR MODULE TO MONITOR UNDER DIVISION 28. |
| FR | FIRE ALARM REMOTE INDICATOR, CEILING MOUNT. |
| M | FIRE ALARM MONITOR MODULE. NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS. |
| C | FIRE ALARM CONTROL MODULE. NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS. |
| B | FIRE ALARM SPRINKLER BELL, MOUNT AT +10'-0"AFF. PROVIDE CONCEALED 120-VOLT POWER CONNECTION |
| M | FIRE ALARM MAGNETIC DOOR HOLDER, WALL MOUNT. PROVIDE HINGED MAGNETIC CATCH PLATE ON DOOR TO MATE WITH DEVICE. COORDINATE LOCATION AND LENGTH WITH DIVISION 08. PROVIDE CONCEALED 24-VOLT POWER CONNECTION AND FIRE ALARM CONTROL MODULE IF REQUIRED FOR PROPER OPERATION. |
| M | FIRE ALARM MAGNETIC DOOR HOLDER, FLOOR MOUNT. PROVIDE HINGED MAGNETIC CATCH PLATE ON DOOR TO MATE WITH DEVICE, COORDINATE LOCATION AND LENGTH WITH DIVISION 08. PROVIDE CONCEALED 24-VOLT POWER CONNECTION AND FIRE ALARM CONTROL MODULE IF REQUIRED FOR PROPER OPERATION. |
| | FIRE ALARM/POWER CONNECTION TO DIVISION 23 SMOKE OR FIRE/SMOKE DAMPER. COORDINATE WITH DIVISION 23. REFER TO TYPICAL FIRE/SMOKE DAMPER DIAGRAM. |

| SYMBOL VARIATIONS | DESCRIPTION |
|---|---|
| XX | WIRE GUARD FOR FIRE ALARM NOTIFICATION DEVICE. TYPE OF NOTIFICATION DEVICE MAY VARY. |
| XX | DEVICE COVER FOR FIRE ALARM NOTIFICATION DEVICE. NUMBER INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE COVER IS PRESENT. TYPE OF NOTIFICATION DEVICE MAY VARY. |
| | WIRE GUARD FOR FIRE ALARM INITIATION DEVICE. TYPE OF INITIATION DEVICE MAY VARY. |
| | SOUNDER BASE FOR FIRE ALARM INITIATION DEVICE. TYPE OF INITIATION DEVICE MAY VARY. |
| | FIRE ALARM WALL MOUNTED INITIATION DEVICE. TYPE OF INITIATION DEVICE MAY VARY. |

## POWER / COMMUNICATION DEVICE LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| # | POWER/COMMUNICATIONS RECESSED FLOOR BOX. WHERE INDICATED, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS. |
| # | POWER/COMMUNICATIONS POKE THRU FLOOR BOX. WHERE INDICATED, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS. |
| SF | SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLOOR BOX WITH COVER SUITABLE FOR SYSTEM FURNITURE CONNECTION. REFER TO DETAIL ON E4 SERIES DRAWINGS. COORDINATE W/ SYSTEM FURNITURE PROVIDER PRIOR TO ROUGH-IN. |
| SP | SYSTEM FURNITURE FLEX POWER CABLE CONNECTION VIA FLUSH WALL BOX MOUNTED 8" AFF. REFER TO DETAIL ON E4 SERIES DRAWINGS. COORDINATE W/FURNITURE PROVIDER PRIOR TO ROUGH-IN. |
| | POWER/COMMUNICATIONS POWER POLE. FURNISHED WITH (NIC) SYSTEM FURNITURE. PROVIDE POWER J-BOX MOUNTED TO STRUCTURE ABOVE CEILING, AND FLEXIBLE CONDUIT CONNECTION TO J-BOX MOUNTED TO TOP OF POLE AND CONNECTED TO PIGTAIL(S) FURNISHED WITH POLE. POLE LOCATION IS APPROXIMATE, COORDINATE WITH SYSTEM FURNITURE PROVIDER PRIOR TO ROUGH-IN. |
| VP | POWER AND COMMUNICATIONS FOR CEILING MOUNTED VIDEO PROJECTOR. PROVIDE CEILING MOUNTED DUPLEX RECEPTACLE, NEMA 5-20R AND CEILING MOUNTED TELECOMMUNICATION OUTLET. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN. |
| P T | RECEPTACLE MOUNTED BESIDE TELECOMMUNICATION OUTLET. PROVIDE RECEPTACLE BASED ON "P" IN LEFT SYMBOL BOX. "P" INSIDE LEFT SYMBOL BOX SHALL BE ONE OF THE SYMBOLS FROM RECEPTACLE DEVICE LEGEND. PROVIDE TELECOMMUNICATION OULTET BASED ON "T" IN RIGHT SYMBOL BOX. "T" INSIDE RIGHT SYMBOL BOX SHALL BE ONE OF THE SYMBOLS FROM COMMUNICATIONS LEGEND. |
| P TV | RECEPTACLE AND TELECOMMUNICATION OUTLET MOUNTED INSIDE WALL MOUNTED FLAT DISPLAY BOX. PROVIDE RECEPTACLE BASED ON "P" IN LEFT SYMBOL BOX. "P" INSIDE LEFT SYMBOL BOX SHALL BE ONE OF THE SYMBOLS FROM RECEPTACLE DEVICE LEGEND. COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. |

| SYMBOL VARIATIONS | DESCRIPTION |
|---|---|
| | POWER/COMMUNICATIONS RECESSED FLOOR BOX OR POKE THRU CONNECTED TO EMERGENCY POWER, PROVIDE RED DEVICES. |
| P T | PROTECTIVE COVER FOR RECEPTACLE AND TELECOMMUNICATION OUTLET. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE FOR ALL EXTERIOR LOCATIONS. TYPE OF RECEPTACLE AND TELECOMMUNICATION OUTLET MAY VARY. |
| P T | PLUG LOAD CONTROLLED RECEPTACLE MOUNTED BESIDE TELECOMMUNICATION OUTLET. TYPE OF RECEPTACLE AND TELECOMMUNICATION OUTLET MAY VARY. |
| P T | RECEPTACLE WITH USB PORTS MOUNTED BESIDE TELECOMMUNICATION OUTLET. TYPE OF RECEPTACLE AND TELECOMMUNICATION OUTLET MAY VARY. |

## LIGHTING LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. |
| S | LIGHT SWITCH, RATED 120/277 VOLTS, 20-AMPS. |
| $S$ | LIGHT SWITCHES WIRED FOR INBOARD/OUTBOARD SWITCHING, RATED 120/277 VOLTS, 20-AMPS. |
| | SUBSCRIPT/SUPERSCRIPT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS: |

| | |
|---|---|
| 3 | INDICATES 3-WAY LIGHT SWITCH |
| 4 | INDICATES 4-WAY LIGHT SWITCH |
| D | INDICATES DIMMER SWITCH |
| D3 | INDICATES 3-WAY DIMMER LIGHT SWITCH |
| D4 | INDICATES 4-WAY DIMMER LIGHT SWITCH |
| K | INDICATES KEY OPERATED LIGHT SWITCH |
| K3 | INDICATES KEY OPERATED 3-WAY LIGHT SWITCH |
| K4 | INDICATES KEY OPERATED 4-WAY LIGHT SWITCH |
| LV | INDICATES LOW VOLTAGE LIGHT SWITCH |
| OS | INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR |
| OD | INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR |
| P | INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON |
| T | INDICATES TIMER LIGHT SWITCH |
| VS | INDICATES SWITCH WITH INTEGRAL VACANCY SENSOR |
| VD | INDICATES DIMMER SWITCH WITH INTEGRAL VACANCY SENSOR |

LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION

| | |
|---|---|
| | OMNI-DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, CEILING MOUNT. |
| | DIRECTIONAL LIGHTING CONTROL OCCUPANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING. |
| | OMNI-DIRECTIONAL LIGHTING CONTROL VACANCY DETECTOR, CEILING MOUNT. |
| | DIRECTIONAL LIGHTING CONTROL VACANCY DETECTOR, WALL MOUNT AT 6" BELOW FINISHED CEILING. |
| PS | PHOTOCELL SENSOR FOR LIGHTING CONTROL. WALL MOUNT AT +10-0"AFF. AIM NORTH. |
| DS | DAYLIGHT HARVESTING SENSOR FOR LIGHTING CONTROL, CEILING MOUNT. |
| GR | GENERATOR RELAY DEVICE. |
| | LIGHT FIXTURE, CEILING MOUNT. |
| | LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT. |
| | LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED. |
| | LIGHT FIXTURE ON EMERGENCY POWER, WALL MOUNT, HEIGHT AS INDICATED. |
| | EMERGENCY EGRESS LIGHTING FIXTURE, WALL MOUNT, HEIGHT AS INDICATED. |
| | EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN. |
| | EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN. |
| | TRACK LIGHTS. |
| | LIGHT FIXTURE, POLE MOUNT. |
| | SPORTS LIGHTING POLE. |
| | CEILING FAN WITH LIGHTING FIXTURE. |

## COMMUNICATIONS LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE ONE IN DETAIL: |
| X | TELECOMMUNICATIONS OUTLET. WHERE INDICATED, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4.1 SERIES DRAWINGS. |
| M # | MICROPHONE OUTLET. WALL MOUNT AT +1'-6" AAF. SUBSCRIPT NUMBER INDICATES NUMBER OF JACKS TO PROVIDE IN OUTLET. |
| M # | MICROPHONE, CEILING MOUNT, W/ PENDANT. SUBSCRIPT NUMBER INDICATES NUMBER OF JACKS TO PROVIDE IN OUTLET. |
| A | AUDIO INPUT OUTLET. |
| V | VIDEO INPUT OUTLET. |
| TGB | TELECOMMUNICATIONS GROUND BUS BAR. |
| TMGB | TELECOMMUNICATIONS MAIN GROUND BUS BAR. |
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE TWO IN DETAIL: |
| X | TELECOMMUNICATIONS OUTLET. WHERE INDICATED, SUBSCRIPT NUMBER INDICATES OUTLET TYPE. REFER TO DETAIL ON E4 SERIES DRAWINGS. |
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE THREE IN DETAIL: |
| | INTERCOM STATION WITH PUSHBUTTON. |
| | MASTER INTERCOM STATION. |
| | PUSHBUTTON SWITCH. |
| NOTE: | REFER TO 'TYPICAL DEVICE ELEVATION DETAIL' FOR DEVICE MOUNTING REQUIREMENTS. FOLLOWING DEVICES ARE DENOTED AS KEYNOTE FOUR IN DETAIL: |
| | WALL CLOCK. ARROW(S) INDICATE FACE(S) DIRECTION. |
| S | SOUND SYSTEM SPEAKER, RECESS WALL MOUNT. |
| NOTE: | MOUNT THE FOLLOWING DEVICES AS NOTED: |
| | MISC COMMUNICATIONS OUTLET. REFER TO DETAIL ON E4 SERIES DRAWINGS. |
| | RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING. REFER TO DETAIL ON E4 SERIES DRAWINGS. |
| | RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING. REFER TO DETAIL ON E4 SERIES DRAWINGS. |
| | CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. |
| | MISC CATV OUTLET, COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS. |
| | WALL CLOCK, CEILING MOUNT. ARROW(S) INDICATE FACE(S) DIRECTION. |
| S | SOUND SYSTEM SPEAKER, RECESS CEILING MOUNT. |
| W | WIRELESS ACCESS POINT. |
| | 2 POST TELECOMMUNICATIONS EQUIPMENT RACK. |
| | 4 POST TELECOMMUNICATIONS EQUIPMENT RACK. |
| | 2" EMT CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING. |
| | CABLE TRAY, MOUNT AT +6" ABOVE FINISHED CEILING. |

| SYMBOL VARIATIONS | DESCRIPTION |
|---|---|
| S S | SOUND SYSTEM SPEAKER WITH WIRE GUARD. |
| S | WEATHERPROOF SOUND SYSTEM SPEAKER. |

## GENERAL NOTES

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

B. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED, INCLUDING ON ARCHITECTURAL ELEVATIONS. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.

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

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

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

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

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

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

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

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

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

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

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

N. REFER TO STRUCTURAL DRAWINGS FOR ALL CONDUIT REQUIREMENTS BEING PLACED IN CMU WALLS.

## ABBREVIATIONS

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

## LIGHT FIXTURE SCHEDULE

| TYPE | DESCRIPTION | MANUFACTURER | SERIES NO. | VOLTAGE | WATTAGE | FINISH COLOR | MOUNTING TYPE | LIGHT SOURCE | LUMENS | CCT | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 2X4 RECESSED TROFFER | HE WILLIAMS | LT-24-L52-935-AF-DIM-UNV | 120 V | 37 | WHITE | RECESSED | LED | 4300 | 3500K | |
| A1 | 2X4 RECESSED TROFFER HIGH LUMENS | HE WILLIAMS | LT-24-L64-935-AF-DIM-UNV | 120 V | 48 | WHITE | RECESSED | LED | 5309 | 3500K | |
| B | 4FT LINEAR RECTANGULAR PENDANT | HE WILLIAMS | 7SS-4-L50-935-DIM-UNV-ACF/D96 | 120 V | 33 | WHITE | SUSPENDED | LED | 4040 | 3500K | |
| W | EXTERIOR WALL PACK | HE WILLIAMS | VWPH-L30-840-TFT-DBZ-CGL-UNV-PC | 120 V | 27 | DARK BRZ | WALL MOUNTED | LED | 3025 | 4000K | MOUNT 10' AFF UNO |
| WE | EXTERIOR WALL PACK W/ BATTERY BACKUP | HE WILLIAMS | VWPH-L30-840-TFT-DBZ-CGL-EM/10WC-UNV-PC | 120 V | 27 | DARK BRZ | WALL MOUNTED | LED | 3025 | 4000K | MOUNT CENTERED ABOVE DOOR |
| XW1 | SINGLE FACE WALL EXIT SIGN | HE WILLIAMS | EXIT/EL-SF | 120 V | 3 | | WALL MOUNTED | LED | | 4000K | CENTERED ABOVE DOOR |

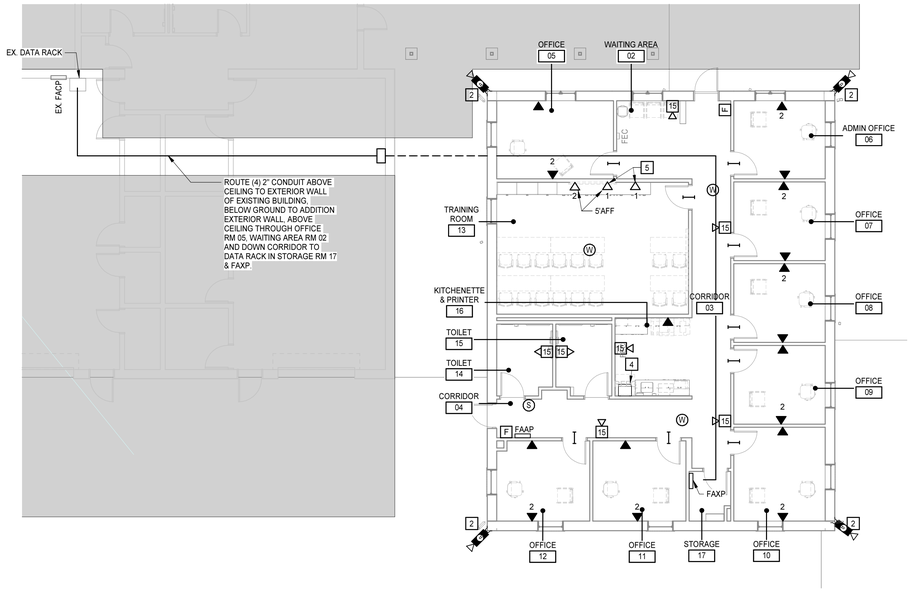
**GENERAL NOTES:**
A. ALL FIXTURES SHALL BE CAPABLE OF 120V AND 277V INPUT (MVOLT), UNO.
B. REFER TO LIGHTING PLANS AND SPECIFICATIONS FOR ADDITIONAL FIXTURE INFORMATION.
C. ALL LENS SHALL BE A MINIMUM 0.125" THICKNESS, UNO.
D. PROVIDE NUMBER OF FACES AND DIRECTIONAL CHEVRONS FOR EXIT SIGNS AS INDICATED ON DWGS.
E. PROVIDE LABEL AND LISTING DOCUMENTATION WITH LIGHTING FIXTURE SUBMITTAL FOR EACH FIXTURE AND LABEL/LISTING INDICATED IN LIGHT FIXTURE SCHEDULE

**COMMENTS:**
1. COORDINATE INSTALLATION OF SUSPENDED LIGHT FIXTURE WITH HEIGHT OF DUCTWORK

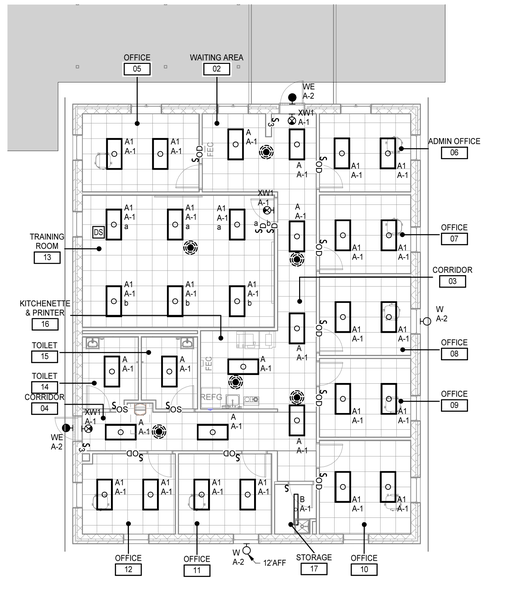
## DIV 22, 23 ELECTRICAL CONNECTION SCHEDULE

| TAG | VOLTAGE | # POLES | PANEL | CCT# | WIRE | DISCONNECTING MEANS | REMARKS |
|---|---|---|---|---|---|---|---|
| AHU-1 | 208 V | 3 | A | 37,39,41 | 4#6, #8G, 1 1/4"C | NOTE 1 | |
| AHU-2 | 208 V | 3 | A | 38,40,42 | 4#6, #8G, 1 1/4"C | NOTE 1 | |
| CP-1 | 115 V | 1 | A | 20 | 2#12, #12G, 3/4"C | NOTE 2 | |
| EWH-1 | 208 V | 2 | A | 34,36 | 3#8, #10G, 3/4"C | 240V-2P, 30A SOLID NEUTRAL DISCONNECT SWITCH | |
| F-1 | 120 V | 1 | A | 1 | 2#12, #12G, 3/4"C | NOTE 3 | |
| F-2 | 120 V | 1 | A | 1 | 2#12, #12G, 3/4"C | NOTE 3 | |

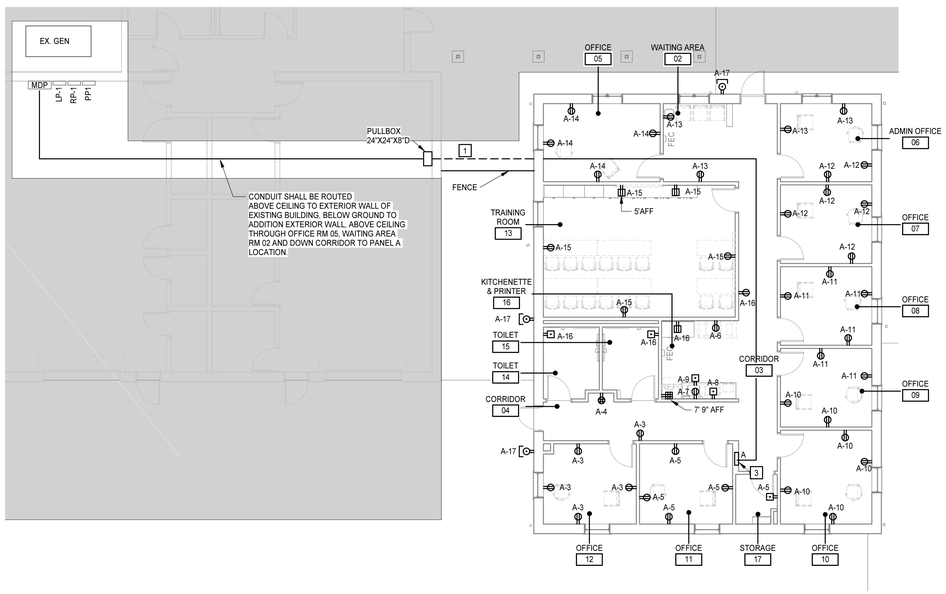
**NOTES:**
1. PROVIDED BY DIV 23.
2. PROVIDED BY DIV 22.
3. CONNECT TO LIGHTING CIRCUIT IN THE ROOM AND CONTROLLED BY LIGHT SWITCH IN THE ROOM.



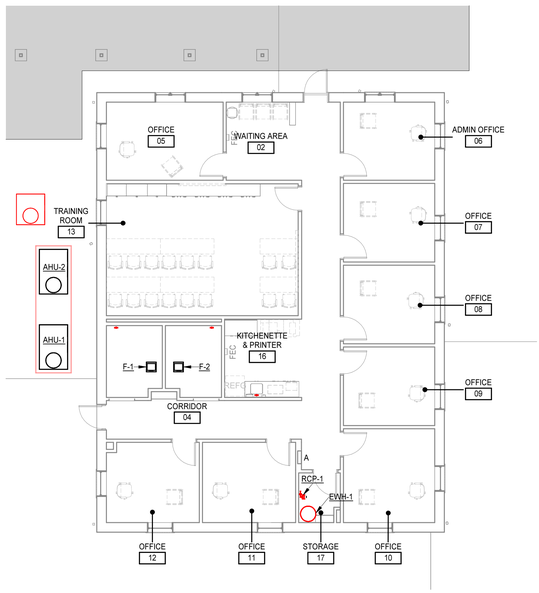

## FLOOR PLAN - COMMUNICATIONS
1/8" = 1'-0"




## FLOOR PLAN - LIGHTING
1/8" = 1'-0"




## FLOOR PLAN - POWER
1/8" = 1'-0"




## FLOOR PLAN - MECH POWER
1/8" = 1'-0"

## GENERAL NOTES

A. SOLID GRAY AREAS ARE NOT IN CONTRACT.

B. REFER TO AND COORDINATE WITH CIVIL DRAWINGS FOR ALL SITE WORK INCLUDING CONDUIT/DUCTBANK ROUTES.

C. ELECTRICAL CONTRACTOR SHALL ROUTE ELECTRICAL CONDUITS TO AVOID CONFLICTS WITH SITE UTILITIES AND MAINTAIN REQUIRED EASEMENTS.

D. COORDINATE LOCATION OF ALL DISCONNECTS, CONTROL PANELS & ELECTRICAL CONNECTIONS WITH MECHANICAL AND PLUMBING.

E. ALL EXIT SIGNS SHALL BE UNSWITCHED.

F. REFER TO ARCHITECTURAL OR INTERIOR PLANS FOR ADDITIONAL INFORMATION INCLUDING LOCATIONS AND HEIGHTS OF RECEPTACLES, JUNCTION BOXES, LIGHTING AND CONTROL SWITCHES.

G. EXTERIOR LIGHTING TO BE CONTROLLED BY PHOTOCELL.

## KEYNOTES

APPLIES TO DRAWINGS E2.1
REPRESENTED BY [n]

1. REFER TO CIVIL PLANS FOR EXACT DUCTBANK ROUTING AND REFER TO E4.1 FOR DETAILS OF SECTION A-A.
2. PROVIDE CONDUIT AND CAT 6A FOR CAMERA. CAMERA SHALL BE OWNER FURNISHED AND INSTALLED IN FUTURE. CAMERA TO BE MOUNTED 9' 6" AFF. COORDINATE WITH OWNER IN FIELD. CONNECT TO EXISTING BUILDINGS SECURITY SYSTEM.
3. PROVIDE #2 GROUND CONNECTED TO 3/4" BY 10' COPPER CLAD DRIVEN GROUND ROD.
4. PROVIDE CUBE-IT WALL-MOUNT CABINET 24"X 24"X24" WITH 12 RACK UNITS (FINISH COLOR GLACIER WHITE) OR EQUIVALENT. 7' AFF.
5. PROVIDE 1" CONDUIT WITH HDMI CABLING BETWEEN TWO OUTLETS.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MOSELEYDESIGNS.COM


NORTH CAROLINA PROFESSIONAL SEAL 040202 5-1-26 ENGINEER KRTIN C. WELLS

# LEE CO. GENERAL SERVICES BLDG EXPANSION
805 SOUTH 5TH STREET, SANFORD, NC 27330

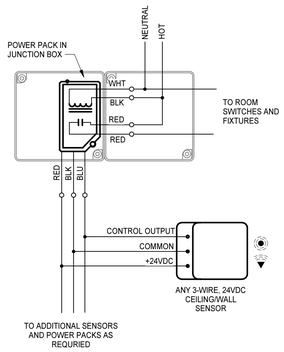
PROJECT NO: 651939
DATE: APRIL 8, 2026

| REVISIONS | |
|---|---|
| DATE | DESCRIPTION |

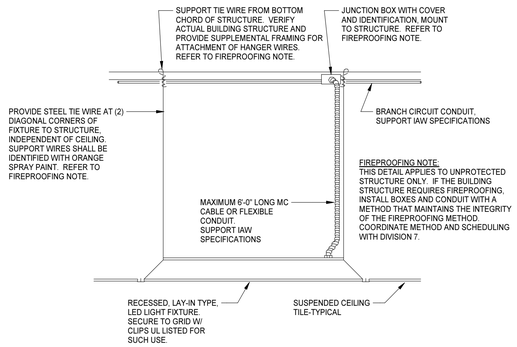
FLOOR PLAN

E2.1

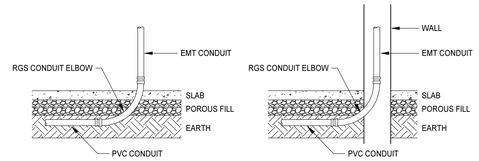
5/4/2026 9:48:36 AM



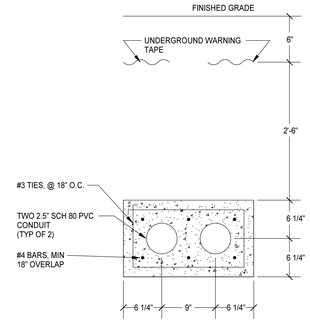

## 1 OCCUPANCY SENSOR WIRING DIAGRAM
TYP E4.1 — NO SCALE



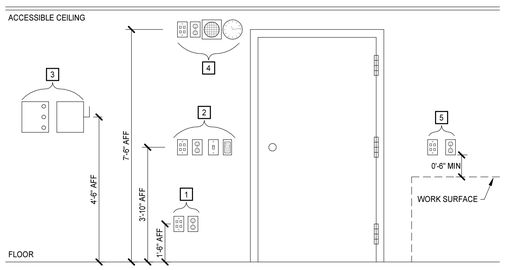

## 2 RECESSED, LAY-IN, LED LIGHT FIXTURE MOUNTING DETAIL
TYP E4.1 — NO SCALE




## 3 PVC TO EMT TRANSITION DETAIL
TYP E4.1 — NO SCALE



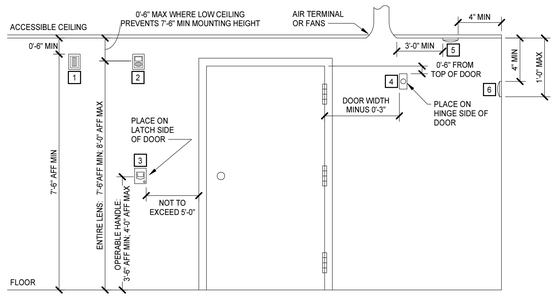

## 4 DUCTBANK SECTION DETAIL A-A
TYP E4.1 — NO SCALE




KEY NOTES:

| | | |
|---|---|---|
| 1 | RECEPTACLE OR TELECOMMUNICATIONS DEVICES MOUNTED AT 1'-6" AFF UNO ON FLOOR PLAN | LEGEND SYMBOL: REFER TO RECEPTACLES DEVICE AND COMMUNICATIONS LEGEND FOR COMPLETE LIST OF SYMBOLS |
| 2 | RECEPTACLE, TELECOMMUNICATIONS DEVICES, LIGHT SWITCH, POWER DEVICES / EQUIPMENT OR CARD READER MOUNTED AT 3'-10" AFF UNO ON FLOOR PLAN | LEGEND SYMBOL: CR OR KP OR S OR SS REFER TO RECEPTACLES DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS |
| 3 | POWER DEVICES / EQUIPMENT MOUNTED AT 4'-6" AFF UNO ON FLOOR PLAN. IF EQUIPMENT HAS HANDLE OR SWITCHES, MIDDLE OF HANDLE OR SWITCH SHALL BE AT 4'-6" AFF UNO. | LEGEND SYMBOL: REFER TO POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS |
| 4 | RECEPTACLE OR TELECOMMUNICATIONS DEVICES MOUNTED AT 7'-6" AFF UNO ON FLOOR PLAN | LEGEND SYMBOL: REFER TO RECEPTACLES DEVICE, COMMUNICATIONS, POWER DEVICES / EQUIPMENT LEGEND FOR COMPLETE LIST OF SYMBOLS |
| 5 | RECEPTACLE OR TELECOMMUNICATIONS DEVICES MOUNTED ABOVE WORK SURFACE | NOTES: 1. ALL DEVICES MOUNTED ABOVE NON-ADA COMPLIANT WORK SURFACES SHALL BE INSTALLED WITH BOTTOM OF DEVICE 0'-6" MINIMUM ABOVE WORK SURFACE. 2. ALL DEVICES MOUNTED ABOVE ADA COMPLAINT WORK SURFACES SHALL ADHERE TO THE FOLLOWING: A. BOTTOM OF DEVICE SHALL BE 0'-6" MINIMUM ABOVE WORK SURFACE. B. TOP OF DEVICE SHALL BE NO HIGHER THAN 3'-8" ABOVE WORK SURFACE FOR OBSTRUCTED FORWARD REACH. C. TOP OF DEVICE SHALL BE NO HIGHER THAN 3'-10" ABOVE WORK SURFACE FOR OBSTRUCTED SIDE REACH. |

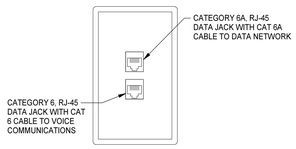
REFER TO ARCHITECTURAL DRAWINGS FOR HEIGHTS AND ELEVATIONS OF ALL WORK SURFACES



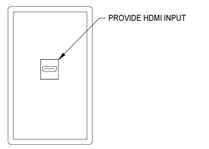

KEY NOTES:

| | | |
|---|---|---|
| 1 | FIRE ALARM AUDIO ONLY DEVICE, | LEGEND SYMBOL: |
| 2 | FIRE ALARM VISUAL ONLY DEVICE OR FIRE ALARM AUDIO/VISUAL DEVICE, | LEGEND SYMBOL: OR |
| 3 | FIRE ALARM MANUAL PULL STATION OR FIRE ALARM KEY OPERATED MANUAL PULL STATION, | LEGEND SYMBOL: F OR FK |
| 4 | FIRE ALARM MAGNETIC DOOR HOLDER | LEGEND SYMBOL: M |
| 5 | FIRE ALARM INITIATING DEVICES - CEILING MOUNTED: SMOKE, HEAT, CARBON MONOXIDE OR COMBO DETECTORS | LEGEND SYMBOL: S OR H OR CO OR SC |
| 6 | FIRE ALARM INITIATING DEVICES - WALL MOUNTED: SMOKE, HEAT, CARBON MONOXIDE OR COMBO DETECTORS | LEGEND SYMBOL: S OR H OR CO OR SC |

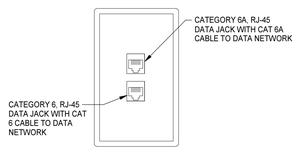
## 5 E4 TYPICAL DEVICE ELEVATION DETAIL
TYP E4.1 — NO SCALE



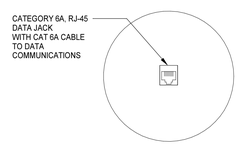

TELECOMMUNICATIONS OUTLET DETAIL - TYPE 1 — 46" AFF, 18" AFF — NO SCALE




TELECOMMUNICATIONS OUTLET DETAIL - TYPE 2 — 1, 46" AFF — NO SCALE

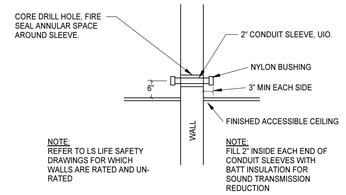



TELECOMMUNICATIONS OUTLET DETAIL - TYPE 3 — 2, 46" AFF; 2, 18" AFF — NO SCALE




WIRELESS ACCESS POINT DETAIL — WA — NO SCALE

## 6 TELECOMMUNICATION OUTLET DETAILS
TYP E4.1 — NO SCALE




## 7 UN-RATED WALL CONDUIT SLEEVE DETAIL
TYP E4.1 — NO SCALE

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

NORTH CAROLINA PROFESSIONAL SEAL 040202 5-1-26 ENGINEER BRYAN C. MOSELEY

# LEE CO. GENERAL SERVICES EXPANSION
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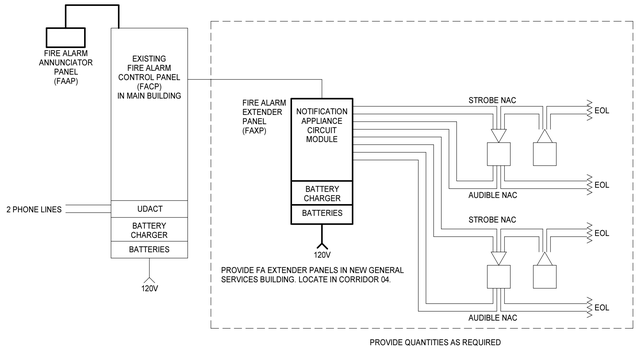
| DATE | DESCRIPTION |

DETAILS

E4.1

5/4/2026 9:48:37 AM




## FIRE ALARM RISER DIAGRAM

NO SCALE

**FIRE ALARM INPUT/OUTPUT MATRIX**

| | | CONTROL UNIT ANNUNCIATION | | | | | | | | | | NOTIFICATION / ACTION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ACTUATE COMMON ALARM SIGNAL INDICATOR | ACTUATE AUDIBLE ALARM SIGNAL | ACTUATE ALARM INDICATOR | ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR | ACTUATE AUDIBLE SUPERVISORY SIGNAL | ACTUATE COMMON TROUBLE SIGNAL INDICATOR | ACTUATE AUDIBLE COMMON TROUBLE SIGNAL | ANNUNCIATE AT GRAPHIC AND TEXT ANNUCIATORS | ACTUATE NOTIFICATION APPLIANCE | DISPLAY CHANGE OF STATUS | TRANSMIT ALARM SIGNAL TO SUPERVISING STATION | TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION | TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION | RELEASE DOOR MAGNETS TO ALLOW DOORS TO CLOSE | SHUT DOWN ASSOCIATED HVAC EQUIPMENT | |
| | | A | B | C | D | E | F | G | H | J | K | L | M | N | P | Q | |
| 1 | MANUAL PULL STATION | X | X | X | | | | | X | X | X | X | | | X | | |
| 2 | SMOKE DETECTOR | X | X | X | | | | | X | X | X | X | | | X | | |
| 3 | DUCT SMOKE DETECTOR | X | X | X | | | | | X | X | X | X | | | X | X | |
| 4 | FIRE ALARM AC POWER FAILURE | | | | | | X | X | X | | X | | | X | | | |
| 5 | FIRE ALARM SYSTEM LOW BATTERY | | | | | | X | X | X | | X | | | X | | | |
| 6 | FIRE ALARM OPEN CIRCUIT | | | | | | X | X | X | | X | | | X | | | |
| 7 | FIRE ALARM GROUND FAULT | | | | | | X | X | X | | X | | | X | | | |
| 8 | FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT SHORT | | | | | | X | X | X | | X | | | X | | | |

## FIRE ALARM INPUT - OUTPUT MATRIX

NO SCALE

Moseley
911 N. WEST STREET, SUITE 205 RALEIGH, NORTH CAROLINA 27603
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NORTH CAROLINA PROFESSIONAL SEAL 040202 5-1-26 ENGINEER MARTIN C. WELLS

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805 SOUTH 5TH STREET, SANFORD, NC 27330

PROJECT NO: 651939
DATE: APRIL 8, 2026

REVISIONS

| DATE | DESCRIPTION |
|---|---|

DETAILS

E4.2

5/4/2026 9:48:37 AM

## EXISTING PBD SCHEDULE — MDP

LOCATION: — FED FROM:

400 AMP MCB | 120/208 Wye | 3 PH 4 W | MOUNT: SURFACE | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

| CKT | BRKR | POLE | LOAD | A | | B | | C | | LOAD | POLE | BRKR | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0.0 | 0.0 | | | | | | | | 2 |
| 3 | 60 A | 3 | AC UNIT OUTSIDE (EB) | | | 0.0 | 0.0 | | | AC UNIT OUTSIDE (EB) | 3 | 50 A | 4 |
| 5 | | | | | | | | 0.0 | 0.0 | | | | 6 |
| 7 | | | | 0.0 | 12.7 | | | | | | | | 8 |
| 9 | 225 A | 3 | SUB PANEL PP1 (EB) | | | 0.0 | 15.9 | | | SUB PANEL A (PB) | 3 | 225 A | 10 |
| 11 | | | | | | | | 0.0 | 16.0 | | | | 12 |
| 13 | | | | 0.0 | 0.0 | | | | | | | | 14 |
| 15 | 225 A | 3 | SUB PANEL LP1 (EB) | | | 0.0 | 0.0 | | | SUB PANEL RP1 (EB) | 3 | 225 A | 16 |
| 17 | | | | | | | | 0.0 | 0.0 | | | | 18 |
| | | | | 13 kVA | | 16 kVA | | 16 kVA | | | | | |
| | | | | 106 A | | 137 A | | 138 A | | | | | |

| Load Classification | Connected Load | Demand Factor | Estimated Demand |
|---|---|---|---|
| INTERIOR LIGHTING | 1449 VA | 125.00% | 1811 VA |
| EXTERIOR LIGHTING | 108 VA | 125.00% | 135 VA |
| RECEPTACLES | 17460 VA | 78.64% | 13730 VA |
| AC / HEAT PUMP | 0 VA | 0.00% | 0 VA |
| ELECTRIC HEAT | 0 VA | 0.00% | 0 VA |
| KITCHEN | 0 VA | 0.00% | 0 VA |
| MISCELLANEOUS | 1000 VA | 100.00% | 1000 VA |
| EXISTING LOAD @ 125% | 0 VA | 0.00% | 0 VA |

**Panel Totals**

**Total Conn. Load:** 44.6 kVA
**Total Est. Demand:** 41.3 kVA
**Total Conn. Current:** 124 A
**Total Est. Demand Current:** 115 A

## PANELBOARD SCHEDULE — A

LOCATION: CORRIDOR 03 — FED FROM: MDP

150 AMP MCB | 120/208 Wye | 3 PH 4 W | MOUNT: RECESSED | PANEL ASSEMBLY RATED (KAIC): 10 KAIC

| CKT | BRKR | POLE | LOAD | A | | B | | C | | LOAD | POLE | BRKR | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20 A | 1 | INTERIOR LIGHTING | 1.4 | 0.1 | | | | | EXTERIOR LIGHTING | 1 | 20 A | 2 |
| 3 | 20 A | 1 | REC RM - 04 & 12 | | | 1.8 | 0.4 | | | WATER COOLER RM - 04 (GP) | 1 | 20 A | 4 |
| 5 | 20 A | 1 | REC RM - 11, 17 | | | | | 1.6 | 0.4 | PRINTER RM - 16 | 1 | 20 A | 6 |
| 7 | 20 A | 1 | MINI FRIDGE RM - 16 (GP) | 0.4 | 0.2 | | | | | MICROWAVE RM - 16 | 1 | 20 A | 8 |
| 9 | 20 A | 1 | COFFEE MAKER RM - 16 | | | 0.2 | 2.2 | | | REC RM - 9 & 10 | 1 | 20 A | 10 |
| 11 | 20 A | 1 | REC RM - 08 & 09 | | | | | 2.2 | 2.2 | REC RM - 06 & 07 | 1 | 20 A | 12 |
| 13 | 20 A | 1 | REC RM - 02 & 06 | 1.4 | 1.4 | | | | | REC RM - 05 & 13 | 1 | 20 A | 14 |
| 15 | 20 A | 1 | REC RM - 13 | | | 1.4 | 0.9 | | | REC RM 14-16 & CORR 03 | 1 | 20 A | 16 |
| 17 | 20 A | 1 | EXTERIOR RECS | | | | | 0.5 | 0.5 | FAXP RM - 17 | 1 | 20 A | 18 |
| 19 | 20 A | 1 | FAAP CORR - 03 | 0.5 | 0.0 | | | | | CP-1 | 1 | 20 A | 20 |
| 21 | 20 A | 1 | IT CABINET RM -16 | | | 0.4 | 0.0 | | | SPARE | 1 | 20 A | 22 |
| 23 | 20 A | 1 | SPARE | | | | | 0.0 | 0.0 | SPARE | 1 | 20 A | 24 |
| 25 | -- | 1 | SPACE ONLY | -- | -- | | | | | SPACE ONLY | 1 | -- | 26 |
| 27 | -- | 1 | SPACE ONLY | | | -- | -- | | | SPACE ONLY | 1 | -- | 28 |
| 29 | -- | 1 | SPACE ONLY | | | | | -- | -- | SPACE ONLY | 1 | -- | 30 |
| 31 | -- | 1 | SPACE ONLY | -- | -- | | | | | SPACE ONLY | 1 | -- | 32 |
| 33 | -- | 1 | SPACE ONLY | | | -- | 1.5 | | | EWH-1 | 2 | 30 A | 34 |
| 35 | -- | 1 | SPACE ONLY | | | | | -- | 1.5 | | | | 36 |
| 37 | | | | 3.6 | 3.6 | | | | | | | | 38 |
| 39 | 30 A | 3 | AHU-1 | | | 3.6 | 3.6 | | | AHU-2 | 3 | 30 A | 40 |
| 41 | | | | | | | | 3.6 | 3.6 | | | | 42 |
| | | | | 13 kVA | | 16 kVA | | 16 kVA | | | | | |
| | | | | 106 A | | 137 A | | 138 A | | | | | |

| Load Classification | Connected Load | Demand Factor | Estimated Demand |
|---|---|---|---|
| INTERIOR LIGHTING | 1449 VA | 125.00% | 1811 VA |
| EXTERIOR LIGHTING | 108 VA | 125.00% | 135 VA |
| RECEPTACLES | 17460 VA | 78.64% | 13730 VA |
| AC / HEAT PUMP | 0 VA | 0.00% | 0 VA |
| ELECTRIC HEAT | 0 VA | 0.00% | 0 VA |
| KITCHEN | 0 VA | 0.00% | 0 VA |
| MISCELLANEOUS | 1000 VA | 100.00% | 1000 VA |

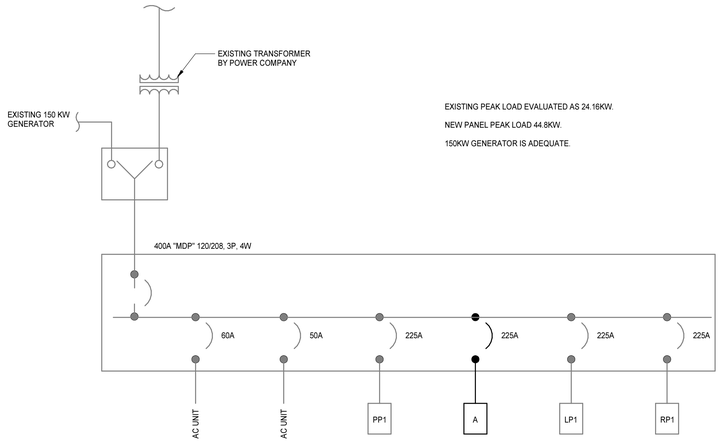
**Panel Totals**

**Total Conn. Load:** 44.6 kVA
**Total Est. Demand:** 41.3 kVA
**Total Conn. Current:** 124 A
**Total Est. Demand Current:** 115 A

## COPPER FEEDER SCHEDULE

| FEEDER ID | # OF SETS | BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET | MINIMUM CONDUIT SIZE | FEEDER ID | # OF SETS | BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET | MINIMUM CONDUIT SIZE | FEEDER ID | # OF SETS | BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET | MINIMUM CONDUIT SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20S | 1 | 2#12,#12 G | 3/4" | 20 | 1 | 3#12,#12 G | 3/4" | 20Y | 1 | 4#12,#12 G | 3/4" |
| 30S | 1 | 2#10,#10 G | 3/4" | 30 | 1 | 3#10,#10 G | 3/4" | 30Y | 1 | 4#10,#10 G | 3/4" |
| 35S | 1 | 2#8,#10 G | 3/4" | 35 | 1 | 3#8,#10 G | 3/4" | 35Y | 1 | 4#8,#10 G | 3/4" |
| 40S | 1 | 2#8,#10 G | 3/4" | 40 | 1 | 3#8,#10 G | 3/4" | 40Y | 1 | 4#8,#10 G | 3/4" |
| 45S | 1 | 2#6,#10 G | 1" | 45 | 1 | 3#6,#10 G | 1" | 45Y | 1 | 4#6,#10 G | 1" |
| 50S | 1 | 2#6,#10 G | 1" | 50 | 1 | 3#6,#10 G | 1" | 50Y | 1 | 4#6,#10 G | 1" |
| 60S | 1 | 2#4,#10 G | 1" | 60 | 1 | 3#4,#10 G | 1" | 60Y | 1 | 4#4,#10 G | 1" |
| 70S | 1 | 2#4,#8 G | 1 1/4" | 70 | 1 | 3#4,#8 G | 1 1/4" | 70Y | 1 | 4#4,#8 G | 1 1/4" |
| 80S | 1 | 2#3,#8 G | 1 1/4" | 80 | 1 | 3#3,#8 G | 1 1/4" | 80Y | 1 | 4#3,#8 G | 1 1/4" |
| 90S | 1 | 2#2,#8 G | 1 1/4" | 90 | 1 | 3#2,#8 G | 1 1/4" | 90Y | 1 | 4#2,#8 G | 1 1/4" |
| 100S | 1 | 2#2,#8 G | 1 1/4" | 100 | 1 | 3#2,#8 G | 1 1/4" | 100Y | 1 | 4#2,#8 G | 1 1/4" |
| 110S | 1 | 2#2,#6 G | 1 1/2" | 110 | 1 | 3#2,#6 G | 1 1/2" | 110Y | 1 | 4#2,#6 G | 1 1/2" |
| 125S | 1 | 2#1,#6 G | 1 1/2" | 125 | 1 | 3#1,#6 G | 1 1/2" | 125Y | 1 | 4#1,#6 G | 1 1/2" |
| 150S | 1 | 2#1/0,#6 G | 2" | 150 | 1 | 3#1/0,#6 G | 2" | 150Y | 1 | 4#1/0,#6 G | 2" |
| 175S | 1 | 2#2/0,#6 G | 2" | 175 | 1 | 3#2/0,#6 G | 2" | 175Y | 1 | 4#2/0,#6 G | 2" |
| 200S | 1 | 2#3/0,#6 G | 2" | 200 | 1 | 3#3/0,#6 G | 2" | 200Y | 1 | 4#3/0,#6 G | 2" |
| 225S | 1 | 2#4/0,#4 G | 2 1/2" | 225 | 1 | 3#4/0,#4 G | 2 1/2" | 225Y | 1 | 4#4/0,#4 G | 2 1/2" |
| 250S | 1 | 2-250kCM,#4 G | 2 1/2" | 250 | 1 | 3-250kCM,#4 G | 2 1/2" | 250Y | 1 | 4-250kCM,#4 G | 2 1/2" |
| 300S | 1 | 2-350kCM,#4 G | 2 1/2" | 300 | 1 | 3-350kCM,#4 G | 2 1/2" | 300Y | 1 | 4-350kCM,#4 G | 2 1/2" |
| 350S | 2 | 2#2/0,#3 G | 2" | 350 | 2 | 3#2/0,#3 G | 2" | 350Y | 2 | 4#2/0,#3 G | 2" |
| 400S | 2 | 2#3/0,#3 G | 2" | 400 | 2 | 3#3/0,#3 G | 2" | 400Y | 2 | 4#3/0,#3 G | 2" |
| 450S | 2 | 2#4/0,#2 G | 2 1/2" | 450 | 2 | 3#4/0,#2 G | 2 1/2" | 450Y | 2 | 4#4/0,#2 G | 2 1/2" |
| 500S | 2 | 2-250kCM,#2 G | 2 1/2" | 500 | 2 | 3-250kCM,#2 G | 2 1/2" | 500Y | 2 | 4-250kCM,#2 G | 2 1/2" |
| 600S | 2 | 2-350kCM,#1 G | 3" | 600 | 2 | 3-350kCM,#1 G | 3" | 600Y | 2 | 4-350kCM,#1 G | 3" |
| 700S | 2 | 2-500kCM,#1/0 G | 4" | 700 | 2 | 3-500kCM,#1/0 G | 4" | 700Y | 2 | 4-500kCM,#1/0 G | 4" |
| 800S | 3 | 2-350kCM,#1/0 G | 3" | 800 | 3 | 3-350kCM,#1/0 G | 3" | 800Y | 3 | 4-350kCM,#1/0 G | 3" |
| 1000S | 3 | 2-500kCM,#2/0 G | 4" | 1000 | 3 | 3-500kCM,#2/0 G | 4" | 1000Y | 3 | 4-500kCM,#2/0 G | 4" |
| 1200S | 4 | 2-350kCM,#3/0 G | 3" | 1200 | 4 | 3-350kCM,#3/0 G | 3" | 1200Y | 4 | 4-350kCM,#3/0 G | 3" |
| 1600S | 5 | 2-500kCM,#4/0 G | 4" | 1600 | 5 | 3-500kCM,#4/0 G | 4" | 1600Y | 5 | 4-500kCM,#4/0 G | 4" |
| 2000S | 6 | 2-500kCM,#250 G | 4" | 2000 | 6 | 3-500kCM,#250 G | 4" | 2000Y | 6 | 4-500kCM,#250 G | 4" |
| 2500S | 7 | 2-500kCM,#350 G | 4" | 2500 | 7 | 3-500kCM,#350 G | 4" | 2500Y | 7 | 4-500kCM,#350 G | 4" |

NOTES:
1. VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.
3. SIZES ADJUSTED PER NEC 110.14.




EXISTING PEAK LOAD EVALUATED AS 24.16KW.

NEW PANEL PEAK LOAD 44.6KW.

150KW GENERATOR IS ADEQUATE.

**POWER ONE LINE DIAGRAM**
NO SCALE


Moseley
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PROJECT NO: 651939
DATE: APRIL 8, 2026

REVISIONS

| DATE | DESCRIPTION |
|---|---|

**POWER ONE-LINE DIAGRAM**

**E5.1**

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