

Drawing File: \\JENKINS\Users\Buddy Jenkins\Projects\2024\28326.dwg  
 Printed Date: 12/13/2024 10:00 AM  
 Scale: 1" = 1'-0"

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**BUILDING DEPARTMENT:**

COUNTY of HARNETT  
 CENTRAL PERMITTING  
 P.O. Box 65  
 108 E. Front Street  
 Lillington, NC 27546  
 Phone – 910-893-2793

**PROJECT DESIGNER:**

JENKINS CONSULTING ENGINEERS, PA  
 OFFICE in EUREKA SPRINGS, NC  
 BUDDY JENKINS, PE  
 KELLY DODSON, PE  
 1606 MCARTHUR ROAD  
 FAYETTEVILLE, NC 28311-1002  
 910-822-1724

**PROJECT:**

# LEVEL II ALTERATION For: BUILDING SHELL SPACES

185 MITTIE HADDOCK DR.  
 CAMERON, NC 28326

**CODE REVIEW:**

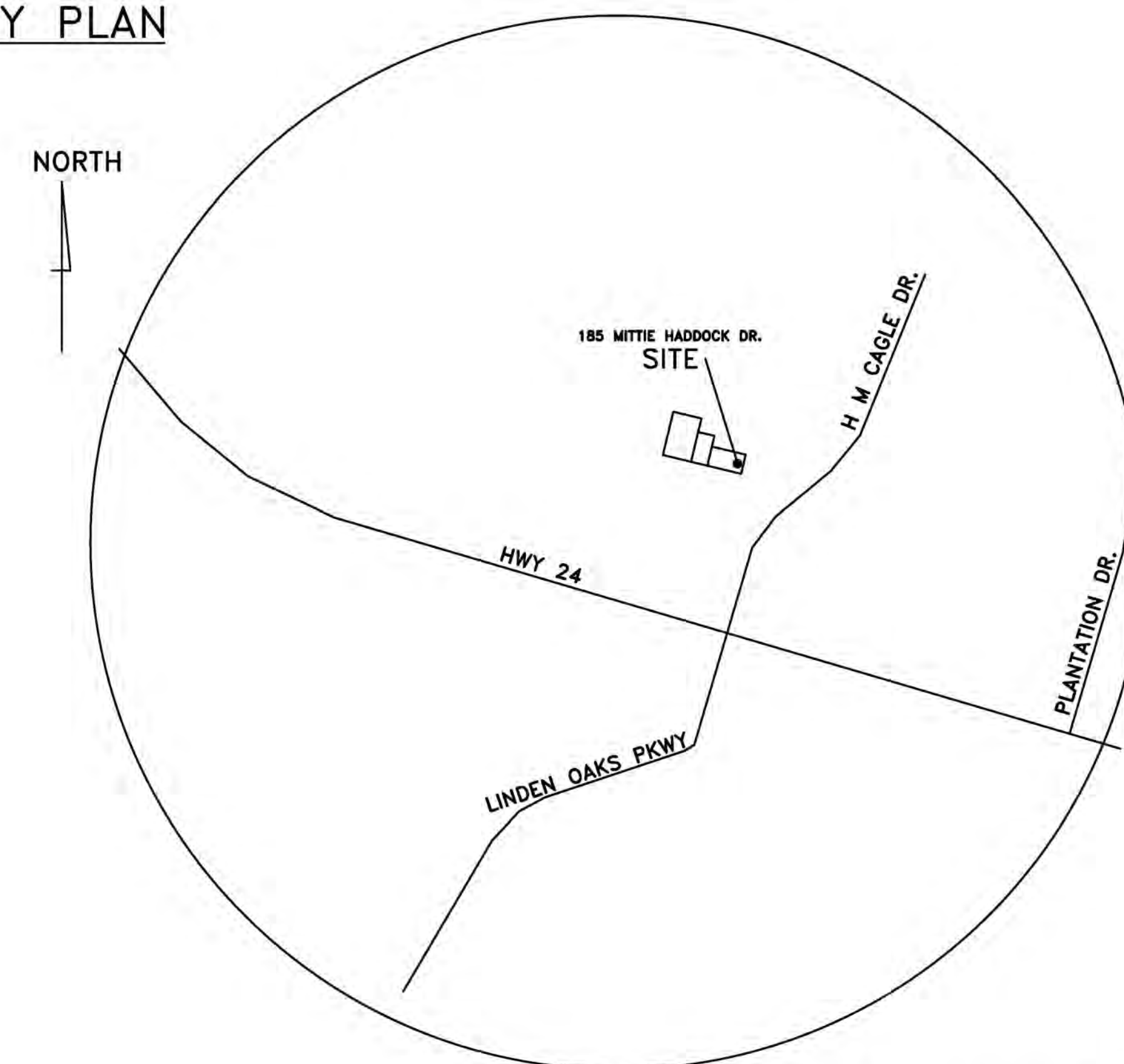
APPLICABLE CODES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- NORTH CAROLINA STATE BUILDING CODE: BUILDING CODE 2018
- NORTH CAROLINA STATE BUILDING CODE: PLUMBING CODE 2018
- NORTH CAROLINA STATE BUILDING CODE: MECHANICAL CODE 2018
- 2020 NATIONAL ELECTRIC CODE
- 2009 STANDARD & COMMENTARY ICC/ANSI A117.1-2009 on ACCESSIBILITY
- NORTH CAROLINA STATE BUILDING CODE: ENERGY CONSERVATION CODE 2018
- NORTH CAROLINA STATE BUILDING CODE: FIRE PREVENTION CODE 2018
- THE 2018 EDITION OF THE LIFE SAFETY CODE NFPA 101
- NORTH CAROLINA STATE BUILDING CODE: EXISTING BUILDING CODE 2018

**BUILDING DATA:**

THE PROJECT IS TO RENOVATE EXISTING TENANT SPACES FOR SHELL SPACE USE.

**VICINITY PLAN**



THIS BUILDING IS FULLY PROTECTED BY FIRE SPRINKLERS



13 December 2024

DESIGNED / CHECKED BY: <b>B. JENKINS</b>	DRAWN BY: <b>MAW</b>	PROJECT #: <b>2024-08-09</b>
DATE: <b>13 DEC 24</b>		

FINAL DRAWING <input type="checkbox"/> FOR REVIEW PURPOSES ONLY	FINAL DRAWING <input type="checkbox"/> FOR DESIGN DEVELOPMENT ONLY	OWNER/TENANT:
FINAL DRAWING <input checked="" type="checkbox"/> FOR CONSTRUCTION		CONTRACTOR/BUILDER:

PROJECT: **LEVEL II ALTERATION: BUILDING SHELL SPACES**  
 185 MITTIE HADDOCK DRIVE  
 CAMERON, NC, 28326  
 SHEET: **COVER SHEET & INDEX TO DRAWINGS**

CS



2018 NC BUILDING CODE SUMMARY: APPENDIX B

Name of Project: LEVEL II ALTERATION: BUILDING SHELL SPACES PIN: 9585-60-1624.000  
 Address: 185 MITTIE HADDOCK DR. Zip Code: 28326  
 Proposed Use: BUSINESS (ASSEMBLY LESS THAN 50 PERSONS)  
 Owner or Authorized Agent: WES DAVIS Phone: 910-818-9999 E-Mail: wadavis@bcs.com  
 Owned By: City/County Private State  
 Code Enforcement Jurisdiction: City CAMERON County HARNETT State NORTH CAROLINA

CONTACT: KELLY DODSON, P.E. BUDDY JENKINS, P.E.

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	N/A	N/A	N/A		
Civil	N/A	N/A	N/A		
Electrical	JCE	DOUGLAS L. JENKINS	NC P.E. 28803	(910) 822-1724	buddy@jenkinsce.pro
Fire Alarm	N/A	N/A	N/A		
Plumbing	JCE	DOUGLAS L. JENKINS	NC P.E. 28803	(910) 822-1724	buddy@jenkinsce.pro
Mechanical	JCE	DOUGLAS L. JENKINS	NC P.E. 28803	(910) 822-1724	buddy@jenkinsce.pro
Sprinkler-Standpipe	N/A	N/A	N/A		
Structural : DRIVE-THRU	JCE	KELLY J. DODSON	NC PE 42009	(910) 822-1724	kelly@jenkinsce.pro
INTERIOR WALLS	N/A	N/A	N/A		
Retaining Walls >5' High	N/A	N/A	N/A		
Building	JCE	DOUGLAS L. JENKINS	NC P.E. 28803	(910) 822-1724	buddy@jenkinsce.pro

2018 NC BUILDING CODE:  New Building  Shell / Core  First Time Interior Completions  
 Addition  Phased Construction - Shell Core

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

CONSTRUCTED: (date) \_\_\_\_\_ CURRENT USE (S) (Ch. 3): BUSINESS (THERAPY & MEDICAL OFFICES)  
 RENOVATED: (date) \_\_\_\_\_ PROPOSED USE (S) (Ch. 3): BUSINESS

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

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

FLOOR	EXISTING (sq ft)	NEW (sq ft)	SUBTOTAL
TENANT SPACE	1,625	-	1,625
TOTAL	1,625	-	1,625

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

Accessory Occupancy Classification(s):  
 Incidental Uses (Table 509): NONE  
 This separation is not exempt as a Non-separated Use (see exceptions).  
 Special Uses (Chapter 4):  
 402  403  404  405  406  407  408  409  410  411  412  413  
 414  415  416  417  418  419  420  421  422  423  424  425  
 426  427  428  429  430  
 Special Provisions (Chapter 5):  
 510.2  510.3  510.4  510.5  510.6  510.7  510.8  510.9  
 Mixed Occupancy:  
 Non-separated Use (508.3)  
 Separated Use (508.4) --- See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area of each use shall not exceed 1.

Separated Use Formula 508.4.2: 
$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

STORY NUMBER	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2.4 AREA	(C) AREA FOR FRONTAGE INCREASE <sup>1</sup>	(D) ALLOWABLE AREA PER STORY OR UNLIMITED <sup>2</sup>
1	BUSINESS (B)	1,625	92,000	N/A	92,000

1 Frontage area increases from Section 506.3 are computed thus:  
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = \_\_\_\_\_ (F)  
 b. Total Building Perimeter = \_\_\_\_\_ (P)  
 c. Ratio (F/P) = \_\_\_\_\_ (F/P)  
 d. W = Minimum width (weighted average) of public way = \_\_\_\_\_ (W) where  $W = \frac{L_1 X_1 + L_2 X_2 + \dots + L_n X_n}{L_1 + L_2 + \dots + L_n}$  (Equation 5-4)  
 e. Percent of frontage increase =  $\frac{1}{F} = 100 \left[ \frac{F}{P} - 0.25 \right] \times \frac{W}{30}$  (Equation 5-5)

EXTERIOR WALL	(F) OPEN LENGTH (feet)	(P) TOTAL LENGTH (feet)	(W) (weighted average) WIDTH OF PUBLIC WAY OR OPEN SPACE (feet)	(X) FROM CALC. ABOVE	(B) FROM TABLE ABOVE	AREA INCREASE FOR COLUMN (C) ABOVE (X * TABLE AREA)
North						
South						
East						
West						
TOTAL						
EXAMPLE	75	100	25	42	23,500	(42*23,500 = 9,870)

2 Unlimited area applicable under conditions of Sections 507  
 3 Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (Section 506.2).  
 4 The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1  
 5 Frontage increase is based on the un-sprinklered area value in Table 506.2.

BUILDING CODE SUMMARY (continued)

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	75	20'	-
Building Height in Stories (Table 504.4)	4	1	-

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

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (feet)	RATING REQ'D	PROVIDED (w/REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		0					
Bearing Walls		0	EXISTING WALLS				
Exterior							
North							
East							
West							
South							
Interior		0					
Nonbearing walls and partitions							
Exterior walls							
North							
East							
West							
South							
Interior Non-Bearing Walls		0					
Floor construction including supporting beams and joists		0					
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof construction including supporting beams and joists		0					
Roof Ceiling Assembly		0					
Columns Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy / Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/Sleeping Unit Separation		1 HR	U419/02-08				
Incidental Use Separation							

\* Indicate section number permitting reduction

EXTERIOR WALL	FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINE	DEGREE OF OPENINGS PROTECTION (TABLE 705.6)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
North	-	-	-	-
South	-	-	-	-
East	-	-	-	-
West	-	-	-	-

LIFE SAFETY SYSTEM REQUIREMENTS  
 Emergency Lighting:  Yes  No  
 Exit Signs:  Yes  No  
 Fire Alarm:  Yes  No  
 Smoke Detection Systems:  Yes  No Partial  Duct Detectors  
 Carbon Monoxide Detection:  Yes  No  
 Life Safety Systems Generator:  Yes  No

LIFE SAFETY PLAN REQUIREMENTS  
 Life Safety Plan Sheet #: LSI  
 Fire and/or smoke rated wall locations (Chapter 7)  
 Assumed and real property line locations (if not on the site plan)  
 Exterior wall opening area with respect to distance to assumed property lines (705.8)  
 Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)  
 Occupant loads for each area  
 Exit access travel distances (1017)  
 Common path of travel distances [1006.2.1 & 1006.3.2(1)]  
 Dead end lengths (1020.4)  
 Clear exit widths for each exit door  
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)  
 Actual occupant load for each exit door  
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation  
 Location of doors with panic hardware (1010.1.10)  
 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)  
 Location of doors with electromagnetic egress locks (1010.1.9.9)  
 Location of doors equipped with hold-open devices  
 Location of emergency escape windows (1030)  
 The square footage of each fire area (903)  
 The square footage of each smoke compartment for Occupancy Classification I-II (407.5)  
 Note any code exceptions or table notes that may have been utilized regarding the items above

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
NONE REQUIRED							

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS OR 96" ACCESS AISLE	TYPE B UNITS PROVIDED	
EXISTING	N/R					
NEW						
TOTAL						

BUILDING CODE SUMMARY (continued)

USE	WATER CLOSETS			URINALS	LAVATORIES			SHOWERS/TUBS	DRINKING FOUNTAINS REGULAR	ACCESSIBLE	SERVICE SINK
	MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX				
BUSINESS			2	1			1				
EXISTING FIXTURES TO REMAIN			2	1			1				

SPECIAL APPROVALS:  
 Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)  
 NONE REQUIRED

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:  (If checked, the remainder of this section is not applicable).  
 Exempt Building:  Provide code or statutory reference: \_\_\_\_\_

Climate Zone:  3A  4A  5A HARNETT COUNTY  
 Method of Compliance:  
 Energy Code:  Performance  Prescriptive  
 ASHRAE 90.1:  Performance  Prescriptive  
 Other:  Performance (specify source) Value of total assembly: \_\_\_\_\_

THERMAL ENVELOPE: (Prescriptive method only)  
 Roof/Ceiling Assembly (each assembly)  
 Description of assembly: \_\_\_\_\_  
 U-Value of total assembly: \_\_\_\_\_  
 R-Value of insulation: \_\_\_\_\_  
 Skylights in each assembly:  
 U-Value of skylight: \_\_\_\_\_  
 Total square footage of skylights in each assembly: \_\_\_\_\_

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

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

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

Floors slab on grade  
 Description of assembly: \_\_\_\_\_  
 U-Value of total assembly: \_\_\_\_\_  
 R-Value of insulation: \_\_\_\_\_  
 Horizontal/vertical requirement:  
 slab heated: \_\_\_\_\_

MECHANICAL SUMMARY (SEE DRAWING SHEET \_\_\_\_\_)  
 ELECTRICAL SUMMARY (SEE DRAWING SHEET \_\_\_\_\_)

County of Harnett  
 BUILDING CODE SUMMARY  
 for:  
 LEVEL II ALTERATION FOR:  
 BUILDING SHELL SPACES

185 MITTIE HADDOCK DR.  
 CAMERON, NC 28326



DESIGNED / CHECKED BY: B. JENKINS  
 DRAWN BY: MAW  
 PROJECT #: 2024-08-09  
 DATE: 13 DEC 24

FINAL DRAWING FOR REVIEW PURPOSES ONLY  
 PRELIMINARY FOR DESIGN DEVELOPMENT ONLY  
 FINAL DRAWING FOR CONSTRUCTION  
 OWNER/TENANT:  
 CONTRACTOR/BUILDER:

PROJECT: LEVEL II ALTERATION: BUILDING SHELL SPACES  
 CAMERON, NC, 28326  
 SHEET: BUILDING CODE SUMMARY

BCS

THIS BUILDING IS FULLY PROTECTED BY FIRE SPRINKLERS

Scale: 1/8" = 1'-0" (multiple instances for different drawing sections)

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 Plotter: HP DesignJet T1100e







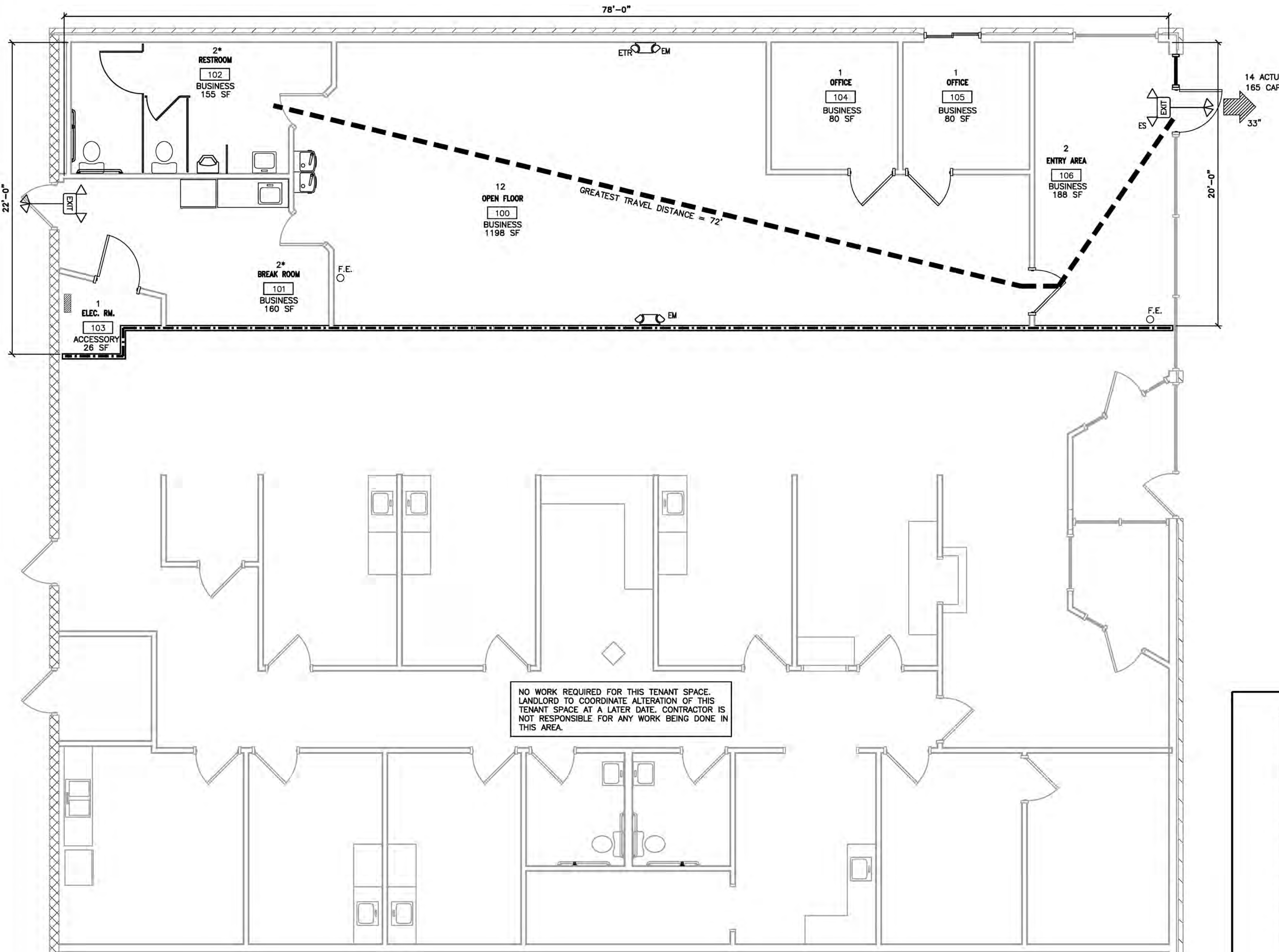
TABLE 803.13 (2018 NC BUILDING CODE)  
 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

GROUP	SPRINKLERED(I)			NONSPRINKLERED		
	EXIT ENCLOSURES AND EXIT PASSAGEWAYS(a,b)	CORRIDORS	ROOMS AND ENCLOSED SPACES(c)	EXIT ENCLOSURES AND EXIT PASSAGEWAYS(a,b)	CORRIDORS	ROOMS AND ENCLOSED SPACES(c)
A-3(f), A-4, A-5	B	B	C	A	A(d)	C
B, E, M, R-1	B	C(m)	C	A	B	C

- a. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED FOR WAINSCOTTING OR PANELING OF NOT MORE THAN 1,000 SQFT OF APPLIED SURFACE AREA IN THE GRADE LOBBY WHERE APPLIED DIRECTLY TO A NONCOMBUSTIBLE BASE OR OVER FURRING STRIPS APPLIED TO A NONCOMBUSTIBLE BASE AND FIREBLOCKED AS REQUIRED BY SECTION 803.11.1.
- b. IN EXIT ENCLOSURES OF BUILDINGS LESS THAN THREE STORES ABOVE GRADE PLANE OF OTHER THAN GROUP 1-3, CLASS B INTERIOR FINISH FOR NONSPRINKLERED BUILDINGS AND CLASS C INTERIOR FINISH FOR SPRINKLERED BUILDINGS SHALL BE PERMITTED.

- c. REQUIREMENTS FOR ROOMS AND ENCLOSED SPACES SHALL BE BASED UPON SPACES ENCLOSED BY PARTITIONS. WHERE A FIRE-RESISTANCE RATING IS REQUIRED FOR STRUCTURAL ELEMENTS, THE ENCLOSING PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE CEILING. PARTITIONS THAT DO NOT COMPLY WITH THIS SHALL BE CONSIDERED ENCLOSING SPACES AND THE ROOMS OR GOVERNING FACTOR REGARDLESS OF THE GROUP CLASSIFICATION OF THE BUILDING OR STRUCTURE.
- d. LOBBY AREAS IN GROUP A-1, A-2, AND A-3 OCCUPANCIES SHALL NOT BE LESS THAN CLASS B MATERIALS.
- e. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN PLACES OF ASSEMBLY WITH AN OCCUPANT LOAD OF 300 PERSONS OR LESS
- f. FOR PLACES OF RELIGIOUS WORSHIP, WOOD USED FOR ORNAMENTAL PURPOSES, TRUSSES, PANELING OR CHANCEL FURNISHING SHALL BE PERMITTED.
- g. CLASS B MATERIAL IS REQUIRED WHERE THE BUILDING EXCEEDS TWO STORIES.
- h. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ADMINISTRATIVE SPACES.
- i. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ROOMS WITH A CAPACITY OF FOUR PERSONS OR LESS
- j. CLASS B MATERIALS SHALL BE PERMITTED AS WAINSCOTTING EXTENDING NOT MORE THAN 48 INCHES ABOVE THE FINISHED FLOOR IN CORRIDORS AND EXIT ACCESS STAIRWAYS AND RAMPS
- k. FINISH MATERIALS AS PROVIDED FOR IN OTHER SECTIONS OF THIS CODE.
- l. APPLIES WHEN PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.
- m. CORRIDORS IN AMBULATORY CARE FACILITIES SHALL BE PROVIDED WITH CLASS A OR B MATERIALS.

LEGEND	
SYMBOL	DESCRIPTION
F.E. O	ABC FIRE EXTINGUISHER SUGGESTED LOCATION
F.E. ⊕	K-CLASS F.E. LOCATED IN POS/DRINK AREA
⊞	EXIT ROUTE
---	GREATEST TRAVEL DISTANCE
33"	EXIT WIDTH, 36" - 3" = 33" CLEAR WIDTH. EXIT CAPACITY (NUMBER OF PERSONS)
22 ACTUAL	ACTUAL OCCUPANT LOAD FOR EXIT DOOR
EX	EXIT SIGN
EM	EMERGENCY EGRESS LIGHTING (SEE ELECTRICAL LIGHTING PLAN)
36"	AISLE WIDTH WHERE SHOWN
ES	EXIT SIGN WITH EMERGENCY LIGHTING
ROOM LABEL	DESCRIPTION
10	OCCUPANT TOTAL
RETAL	ROOM NAME
1	ROOM NUMBER
MERCANTILE	FUNCTION TYPE
100 SF	SPACE AREA



NO WORK REQUIRED FOR THIS TENANT SPACE. LANDLORD TO COORDINATE ALTERATION OF THIS TENANT SPACE AT A LATER DATE. CONTRACTOR IS NOT RESPONSIBLE FOR ANY WORK BEING DONE IN THIS AREA.

**BUSINESS (B) OCCUPANCY:**

GROSS SQUARE FOOTAGE OF TENANT SPACE 1,625 SQ. FT.  
 TYPE OF CONSTRUCTION: II-B  
 SPACE IS TO BE USED AS A BUSINESS, B.

OCCUPANT LOAD FOR CALCULATING EGRESS CAPACITY:  
 SPACE OCCUPANCY BY NET SF = (PER 1004.1.1)  
 (SEE TABLE ON THIS SHEET FOR INDIVIDUAL SPACE TOTALS)  
 TOTAL OCCUPANT LOAD BY AREAS = 17 PERSONS (MAX FOR EGRESS CALCULATION)  
 TOTAL OCCUPANT LOAD BY BUSINESS USE = 1,625/100 = 18

GREATEST TRAVEL DISTANCE SHOWN: 68 FEET. (PER TABLE 1017)  
 MAXIMUM ALLOWABLE TRAVEL DISTANCE: 250 FEET (PER TABLE 1017.2)  
 THE COMMON PATH OF TRAVEL IS LESS THAN 100 FEET. (PER TABLE 1006.2.1)  
 THERE ARE NO DEAD END CORRIDORS OVER 20 FEET. (PER 2018 NCBC 1020.4)  
 TYPICAL TENANT SPACE EXIT WIDTH CALCULATIONS:  
 18 PERSONS \* 0.2' / OCCUPANT = 3.6" REQUIRED, 33 INCHES TOTAL PROVIDED. (PER 1024.2)

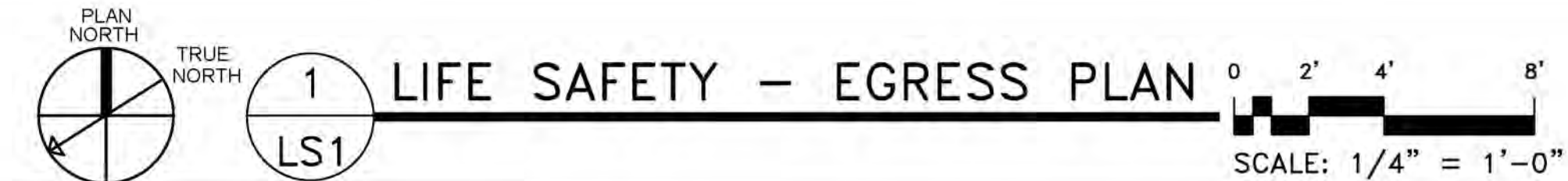
MIN. NO. OF EXITS REQUIRED: ONE (1) (PER TABLE 1006.2.1)  
 NUMBER OF EXITS PROVIDED: ONE (1) ACCESSIBLE

EGRESS DOORS DO NOT REQUIRE PANIC HARDWARE. (PER 1010.1.10)  
 DOORS DO NOT HAVE DELAYED EGRESS LOCKS (PER 1010.1.9.7)  
 DOORS DO NOT HAVE ELECTROMAGNETIC EGRESS LOCKS (PER 1010.1.9.9)  
 DOORS DO NOT HAVE HOLD OPEN DEVICES.  
 THERE ARE NO EMERGENCY ESCAPE WINDOWS (PER 1030.5)  
 THE FIRE AREA SQUARE FOOTAGE IS 1,625 SQUARE FEET (PER 903)  
 THERE ARE NO SLEEPING AREAS (SMOKE COMPARTMENTS) (PER 407.2)

NO. OF FIRE EXTINGUISHERS PROVIDED: 2 ABC FIRE EXTINGUISHERS  
 FIRE EXTINGUISHER FOR CLASS A FIRE HAZARDS REQUIRE NO GREATER THAN 75 FT OF MAXIMUM TRAVEL DISTANCE IN LOW, ORDINARY AND EXTRA HAZARD OCCUPANCY.

THERE IS A FIRE SPRINKLER SYSTEM INSTALLED.  
 THERE IS A FIRE ALARM SYSTEM.  
 LOCK BOX FOR KEY IS INSTALLED AT FRONT ENTRANCE. (AS REQ'D.)

OCCUPANCY CLASSIFICATION per TABLE 1004.1.1						
SPACE NUMBER	CURRENT SPACE USE	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	ROOM AREA (SF)	EGRESS OCCUPANCY TOTAL (CALCULATED)	BUILDING OCCUPANT TOTAL (ACTUAL)
100	OPEN FLOOR	BUSINESS	100	828	9	9
101	BREAK ROOM	BUSINESS	100	160	2	2*
102	RESTROOM	BUSINESS	100	155	2	2*
103	ELECTRICAL ROOM	ACCESSORY	300	26	1	1
104	OFFICE	BUSINESS	100	80	1	1
105	OFFICE	BUSINESS	100	80	1	1
106	ENTRY AREA	BUSINESS	100	188	2	2
A	TOTAL OCCUPANT COUNT CALCULATED BY SPACES			1,517	18	14
B	TOTAL OCCUPANT COUNT CALCULATED FOR BUSINESS USE				17	LARGER OF A OR B
THE EGRESS CAPACITY SHALL BE BASED UPON OCCUPANT LOAD OF 18 PERSONS					18	18



**JENKINS CONSULTING ENGINEERS, PA.**  
 OFFICE IN EUREKA SPRINGS, NORTH CAROLINA  
 1006 AMANTHUR RD. FAIVERTVILLE, NC 28711-1022  
 NORTH CAROLINA LICENSE NUMBER: 05879  
 OFFICE # 910.522.1724

13 December 2024

DESIGNED / CHECKED BY: B. JENKINS  
 DRAWN BY: MAW  
 PROJECT #: 2024-08-09  
 DATE: 13 DEC 24

FINAL DRAWING FOR REVIEW PURPOSES ONLY  
 PRELIMINARY FOR DESIGN DEVELOPMENT ONLY  
 FINAL DRAWING FOR CONSTRUCTION

OWNER/TENANT: \_\_\_\_\_  
 CONTRACTOR/BUILDER: \_\_\_\_\_

PROJECT: LEVEL II ALTERATION: BUILDING SHELL SPACES  
 CAMERON, NC, 28326  
 SHEET: 185 MITTIE HADDOCK DRIVE  
 LIFE SAFETY - EGRESS PLAN

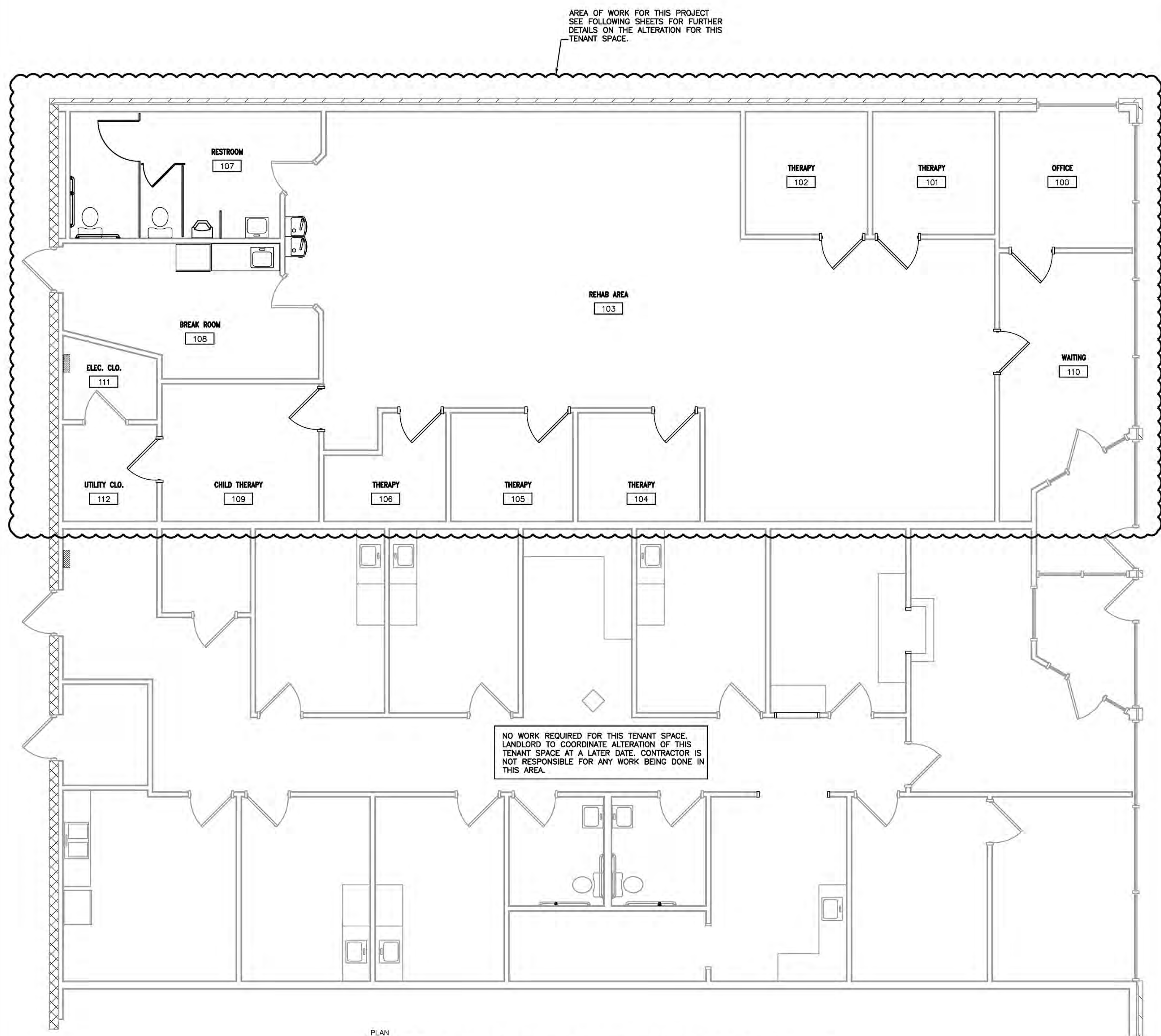
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 Drawing Date: 13 Dec 2024 10:00 AM



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 Printed Date: Dec 13, 2024 - 11:00am

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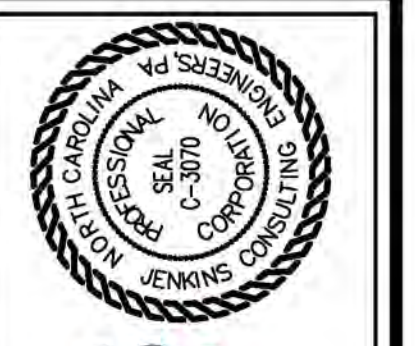


**TENANT SPACE ALTERATION GENERAL NOTES**

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW ALL OF THE DETAILS, MATERIALS AND METHODS REQUIRED TO COMPLETE THE ADDITION. THE DRAWING PACKAGE AS A WHOLE SHOULD BE USED TO CONSTRUCT THE NEW BUILDING AS DESCRIBED. THERE ARE NO TECHNICAL SPECIFICATIONS INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE PLANS DO INCLUDE FINISH MATERIALS SELECTIONS BUT SHALL BE COORDINATED WITH THE OWNER.
2. ALL CONSTRUCTION MATERIALS SHALL BE COORDINATED WITH THE DRAWINGS AND INTERIOR FINISH REQUIREMENTS.
3. DIMENSIONS ARE TO FINISHED FACE OF CMU AND WOOD/METAL STUD WALLS UNLESS OTHERWISE NOTED.
4. THE CONTRACTOR SHALL COORDINATE ALL WORK AND ADJUST TO THE ACTUAL CONDITIONS ENCOUNTERED IN THE FIELD. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
5. THE CONTRACTOR SHALL COORDINATE WORK, TRADES, AND SHALL VERIFY DIMENSIONS, MEANS AND METHODS OF CONSTRUCTION, EXISTING CONDITIONS AND PROPOSED NEW CONSTRUCTION PRIOR TO COMMENCING ANY WORK, MATERIAL ORDERING, OR FABRICATION.
6. WORK SHALL BE FIRST CLASS TO THE ENTIRE SATISFACTION OF THE OWNER.
7. COORDINATE ALL ELECTRICAL/PLUMBING ROUGH-INS FOR OWNER SUPPLIED EQUIPMENT WITH THE OWNER AND MANUFACTURER.
8. ALL NEW INTERIOR WALLS ARE DETAILED PER PLAN SPECIFICATION. SEE SPECIFIC SHEETS REGARDING THIS PROJECT.
9. PATCH & REPAIR: THE CONTRACTOR SHALL PATCH AND/OR REPAIR WITH NEW, ANY WORK DAMAGED OR DISTURBED CAUSED BY THE SUB-CONTRACTORS AS A RESULT OF PROVIDING FOR OR INSTALLING NEW WORK SHOWN ON THE CONTRACT DOCUMENTS
10. CAULK ALL PENETRATIONS, OUTLETS, ETC. ON ALL PARTITIONS. LEAVE ALL WORK COMPLETE AND READY FOR THE INTENDED USE.
11. ALL CONSTRUCTION MATERIALS AND DEBRIS WILL BE REMOVED FROM THE SITE UPON COMPLETION. THE CONTRACTOR SHALL PROVIDE CLEANING SERVICES FOR THE RENOVATED SPACES AND DELIVER THE PROJECT COMPLETED.
12. CONSTRUCTION TO COMPLY WITH ALL STATE AND LOCAL CODES.
13. CONSTRUCTION IS AT AN OPERATING MULTI-SPACE RETAIL SHOPPING CENTER. CONSTRUCTION TRAFFIC WILL NOT INTERFERE WITH GENERAL PUBLIC TRAFFIC. CONTRACTOR WILL COORDINATE A MATERIAL DROP OFF/PICK UP AND CONSTRUCTION WORKER AREA ON SITE WITH LANDLORD/PROPERTY MANAGER.

**SCOPE OF WORK OUTLINE:**

- DEMOLITION**  
 DEMOLITION OF EXISTING DEMISING WALL BETWEEN TENANT SPACES  
 WALLS IN TENANT SPACE FOR FUTURE TENANT  
 SOME CEILING DEMOLITION REQUIRED FOR NEW DEMISING WALL CONSTRUCTION  
 EXTERIOR WALL FOR NEW DRIVE-THRU WINDOW  
 EXTERIOR STOREFRONT WINDOW FOR NEW STOREFRONT DOOR  
 BACK PARKING AREA FOR NEW 900 GALLON GREASE TRAP
- LANDSCAPING**  
 SEE SITE/CIVIL PLAN BY OTHERS FOR DETAILS CONCERNING NEW LANDSCAPING FOR THIS PROJECT
- GRADING & CONCRETE**  
 SEE SITE/CIVIL PLANS BY OTHERS FOR DETAILS ON GRADING AND ANY CONCRETE REQUIRED FOR THIS PROJECT
- MASONRY**  
 SOME MASONRY MIGHT BE REQUIRED. NEW DRIVE-THRU WINDOW IS BEING INSTALLED IN AN EXISTING MASONRY/BRICK WALL
- FRAMING**  
 FRAMING FOR INTERIOR WALLS AND DRIVE-THRU WINDOW
- MECHANICAL**  
 RELOCATE AN EXISTING AIR HANDLING UNIT AND CONDENSING UNIT TO THE NEW TENANT SPACE FOR FUTURE USE  
 NO WORK TO EXISTING HVAC UNIT IN TENANT SPACE BEING ALTERED FOR NEW TENANT
- ELECTRICAL**  
 ADD NEW RECEPTACLES IN NEW DEMISING WALL. UTILIZE EXISTING CIRCUIT  
 NO LIGHTING WORK REQUIRED IN ALTERED TENANT SPACE
- PLUMBING**  
 ADDING A 900 GALLON GREASE TRAP FOR FUTURE USE. WILL STUB-UP IN THE RESTROOM AND VENT BACK TOWARDS SAME RESTROOM UNDERGROUND. WILL CONNECT TO EXISTING SANITARY LOCATED AT BACK OF TENANT SPACE
- FINISHES**  
 APPLICATION OF GYPSUM BOARD, VINYL BASE, PAINT TO INTERIOR OF SPACE



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13 December 2024  
 DESIGNED / CHECKED BY: B. JENKINS  
 DRAWN BY: MAW  
 PROJECT #: 2024-08-09  
 DATE: 13 DEC 24

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 FINAL DRAWING  FOR CONSTRUCTION  
 OWNER/TENANT:  
 CONTRACTOR/BUILDER:

PROJECT:  
**LEVEL II ALTERATION: BUILDING SHELL SPACES**  
 185 MITTIE HADDOCK DRIVE  
 CAMERON, NC, 28326  
 SHEET:  
**PARTIAL BUILDING PLAN/ SCOPE OF WORK**

**GO**

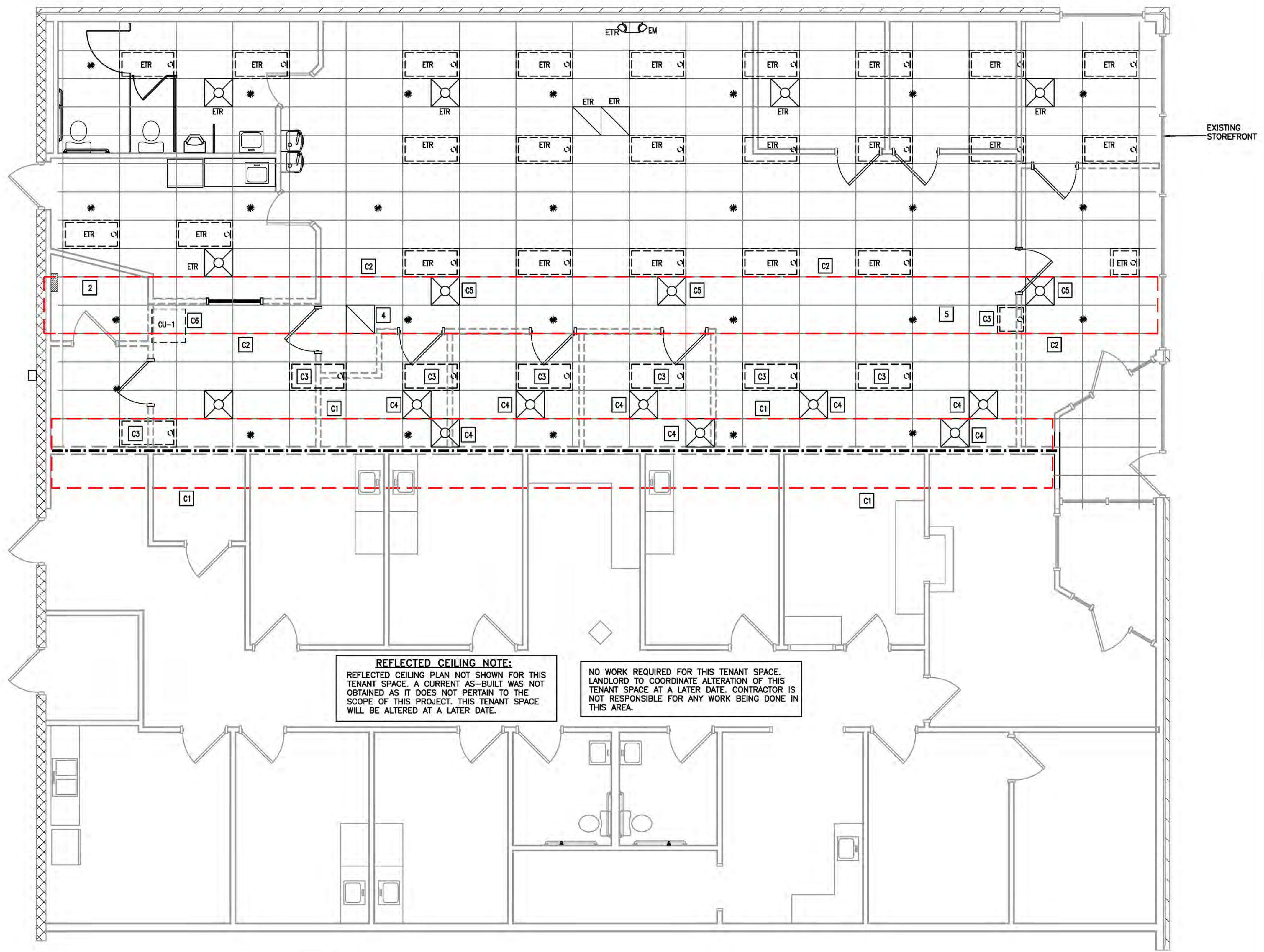
THIS BUILDING IS FULLY PROTECTED BY FIRE SPRINKLERS







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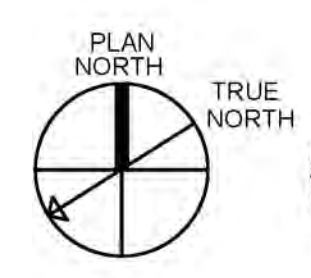


**REFLECTED CEILING NOTE:**  
 REFLECTED CEILING PLAN NOT SHOWN FOR THIS TENANT SPACE. A CURRENT AS-BUILT WAS NOT OBTAINED AS IT DOES NOT PERTAIN TO THE SCOPE OF THIS PROJECT. THIS TENANT SPACE WILL BE ALTERED AT A LATER DATE.

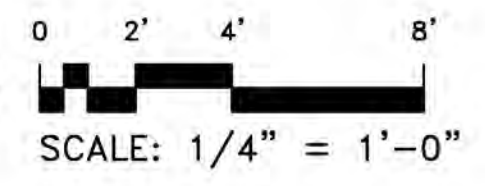
NO WORK REQUIRED FOR THIS TENANT SPACE. LANDLORD TO COORDINATE ALTERATION OF THIS TENANT SPACE AT A LATER DATE. CONTRACTOR IS NOT RESPONSIBLE FOR ANY WORK BEING DONE IN THIS AREA.

**DEMOLITION WORK NOTE:**  
 DEMOLITION WORK WILL BE DENOTED BY DASHED LINES OR HATCHED AREAS CONCERNING EXISTING WALLS AND CEILING AREAS. OTHER AREAS AND OBJECTS MAY REQUIRE DEMOLITION AND BE NOTED AS MENTIONED ABOVE. SEE DEMOLITION NOTES FOR AFFECTED AREAS AND OBJECTS OTHER THAN WALLS AND CEILINGS THAT ARE DASHED OR HATCHED AND MARKED FOR DEMOLITION.

- DEMOLITION REFLECTED CEILING NOTES:**
- C1 DEMO LAY-IN CEILING 2'-0" ON BOTH SIDES OF EXISTING DEMISING WALL AREA
  - C2 DEMO LAY-IN CEILING 2'-0" ON BOTH SIDES OF NEW DEMISING WALL AREA
  - C3 DEMO LIGHT FIXTURE
  - C4 DEMO HVAC SUPPLY DIFFUSER/RETURN GRILLE
  - C5 RELOCATE SUPPLY DIFFUSER - SEE HVAC PLAN SHEET M1
  - C6 RELOCATE HVAC UNIT TO RENOVATED TENANT SPACE SIDE SEE HVAC PLAN SHEET M1



1 EXISTING REFLECTED CEILING PLAN  
 G1.1



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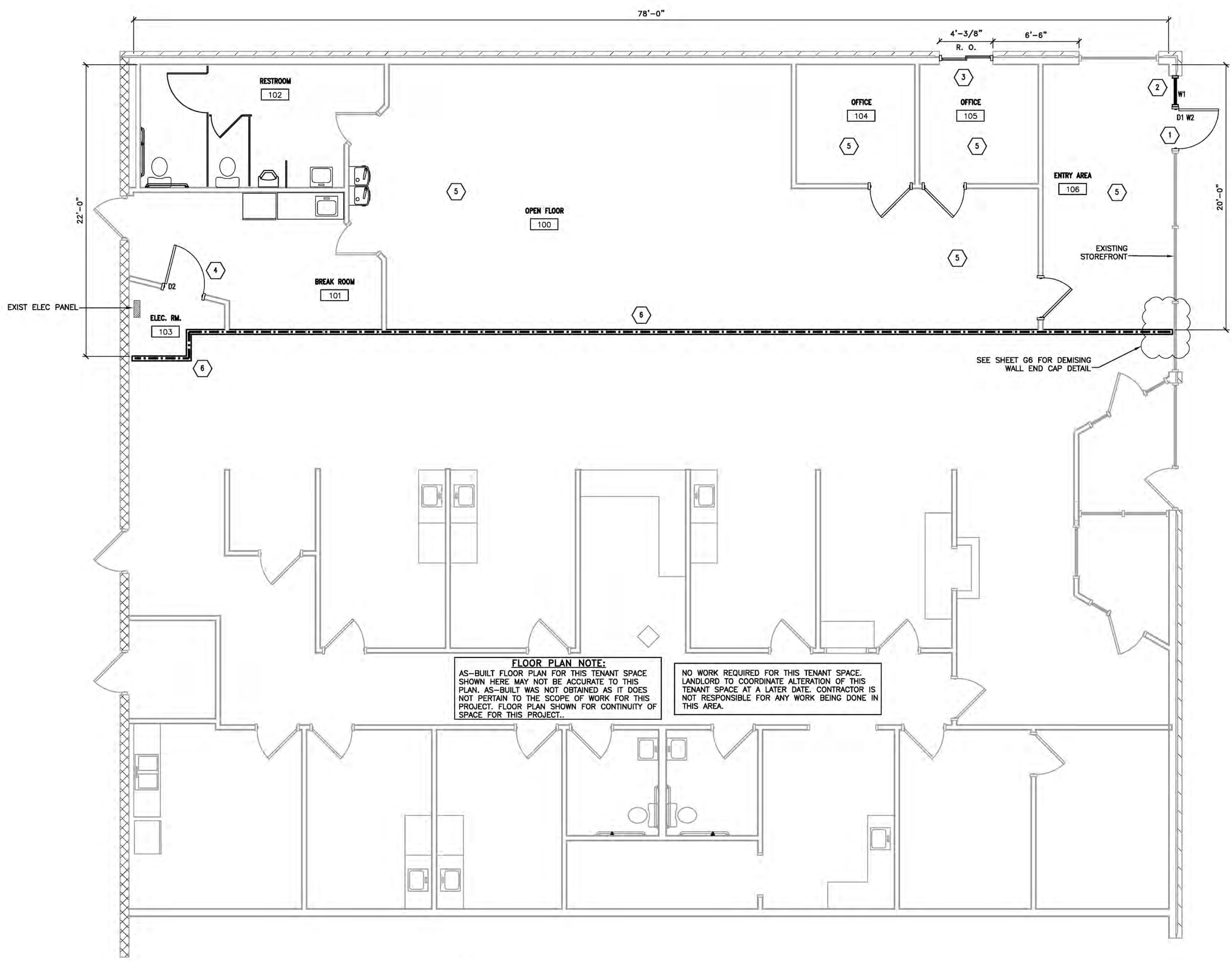
PROJECT: LEVEL II ALTERATION: BUILDING SHELL SPACES  
 185 MITTIE HADDOCK DRIVE  
 CAMERON, NC, 28326  
 SHEET: DEMOLITION REFLECTED CEILING PLAN

G1.1

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**FLOOR PLAN NOTE:**  
 AS-BUILT FLOOR PLAN FOR THIS TENANT SPACE SHOWN HERE MAY NOT BE ACCURATE TO THIS PLAN. AS-BUILT WAS NOT OBTAINED AS IT DOES NOT PERTAIN TO THE SCOPE OF WORK FOR THIS PROJECT. FLOOR PLAN SHOWN FOR CONTINUITY OF SPACE FOR THIS PROJECT.

NO WORK REQUIRED FOR THIS TENANT SPACE. LANDLORD TO COORDINATE ALTERATION OF THIS TENANT SPACE AT A LATER DATE. CONTRACTOR IS NOT RESPONSIBLE FOR ANY WORK BEING DONE IN THIS AREA.



- NEW CONSTRUCTION NOTES:**
- 1 NEW 36" EXTERIOR STOREFRONT DOOR AND FRAME
  - 2 NEW EXTERIOR STOREFRONT WINDOW, MATCH EXISTING
  - 3 NEW DRIVE-THRU WINDOW - SEE DETAILS SHEET G3
  - 4 NEW 36" INTERIOR DOOR AND FRAME - MATCH EXISTING
  - 5 CONCRETE FLOOR EXPOSED FOR NEW FLOOR FINISHES BY OTHERS - LANDLORD WORK ONLY SHOWN IN SCOPE
  - 6 NEW DEMISING WALL - 1HR RATED

SYMBOL	DESCRIPTION
	EXISTING DOOR AND FRAME
	NEW DOOR AND FRAME WOOD TO MATCH EXISTING
	EXISTING WALL TO REMAIN
	NEW STOREFRONT WINDOW



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 OFFICE # 910.322.1724



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 OWNER/TENANT:  
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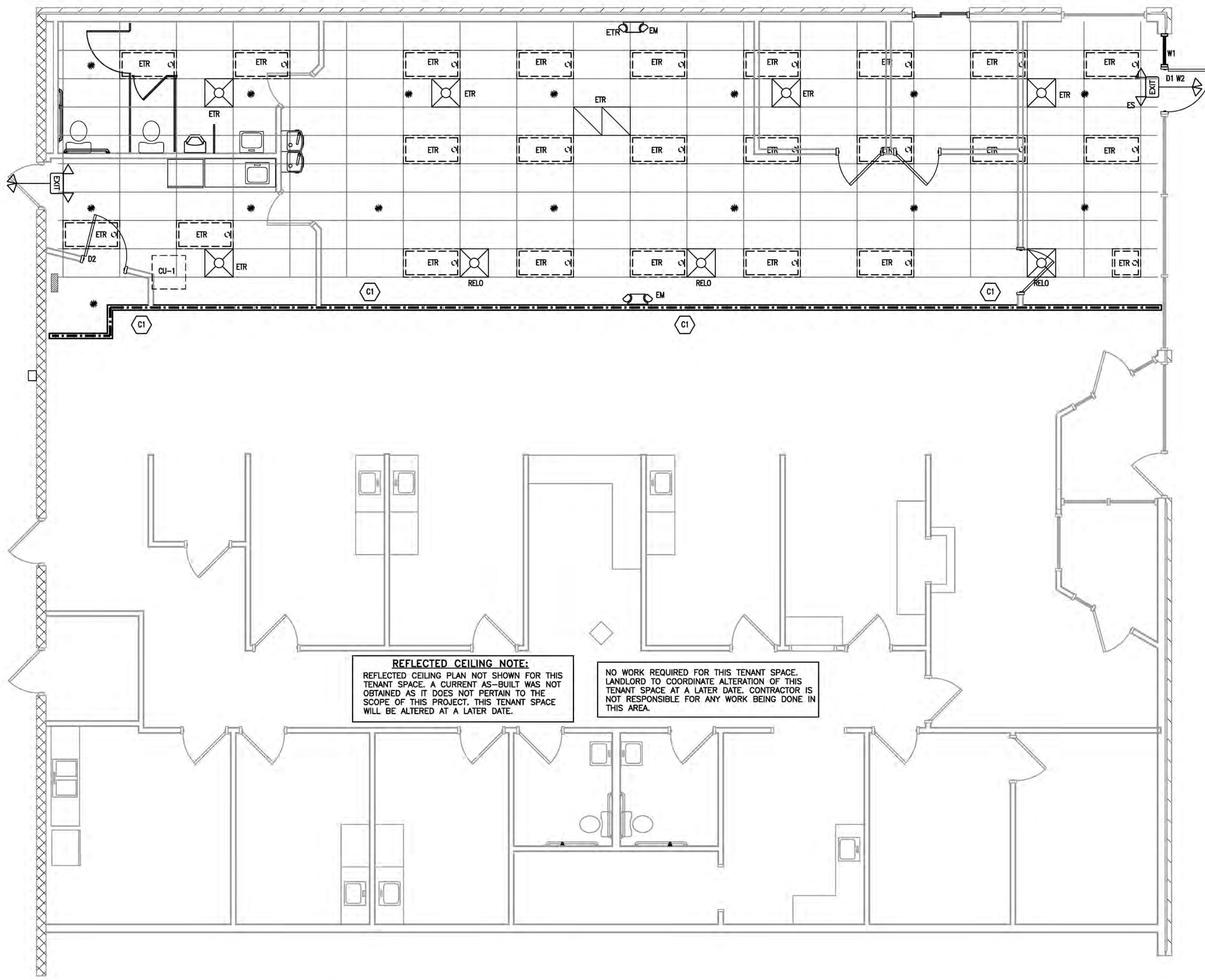
PROJECT: **LEVEL II ALTERATION: BUILDING SHELL SPACES**  
 185 MITTIE HADDOCK DRIVE  
 CAMERON, NC, 28326  
 SHEET: **FLOOR/REFLECTED CEILING PLAN**

**G2**

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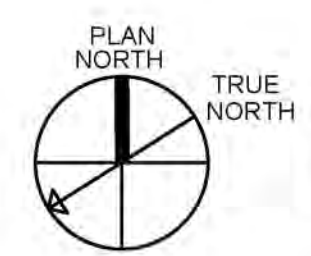


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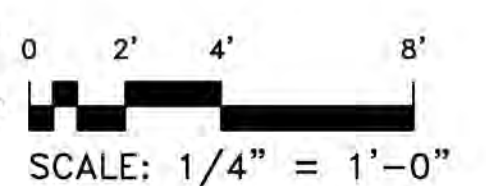
**REFLECTED CEILING NOTE:**  
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NO WORK REQUIRED FOR THIS TENANT SPACE. LANDLORD TO COORDINATE ALTERATION OF THIS TENANT SPACE AT A LATER DATE. CONTRACTOR IS NOT RESPONSIBLE FOR ANY WORK BEING DONE IN THIS AREA.



1  
G2.1

**SHELL SPACE REFLECTED CEILING PLAN**



**NEW REFLECTED CEILING NOTES:**

- C1 2'-0" AREA OPEN TO ABOVE PER LANDLORD SCOPE

**NOTES FOR CEILING WORK:**

- EXISTING CEILING TO REMAIN. ALL LIGHT FIXTURES, SUPPLY DIFFUSERS, RETURN GRILLES AND SPRINKLER HEADS TO REMAIN AS WELL UNLESS OTHERWISE NOTED ON PLANS.
- THERE WILL BE AN AREA OF 2'-0" ON EITHER SIDE OF THE NEW DEMISING WALL OPEN TO ABOVE PER LANDLORD REQUIREMENTS FOR NEW TENANT TO UPFIT THIS SPACE PER NEW TENANT REQUIREMENTS.
- NEW TENANT WORK WILL BE SHOWN ON SEPARATE PLANS BY OTHERS. WORK SHOWN HERE IS LANDLORD WORK ONLY AND DOES NOT REFLECT NEW WORK.

**SYMBOL DESCRIPTION**

- EXISTING DIFFUSER
- EXISTING RETURN GRILLE
- EXISTING LIGHT FIXTURE
- EXISTING SPRINKLER HEAD
- ETR: EXISTING TO REMAIN
- RELO: RELOCATED TO NEW LOCATION  
SEE DESIGNATED SHEET FOR NEW LOCATION



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 FINAL DRAWING  FOR CONSTRUCTION  
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 CONTRACTOR/BUILDER:

**LEVEL II ALTERATION: BUILDING SHELL SPACES**  
 185 MITTIE HADDOCK DRIVE  
 CAMERON, NC, 28326

**FLOOR/REFLECTED CEILING PLAN**

PROJECT: LEVEL II ALTERATION: BUILDING SHELL SPACES  
 SHEET: 185 MITTIE HADDOCK DRIVE CAMERON, NC, 28326

G2.1



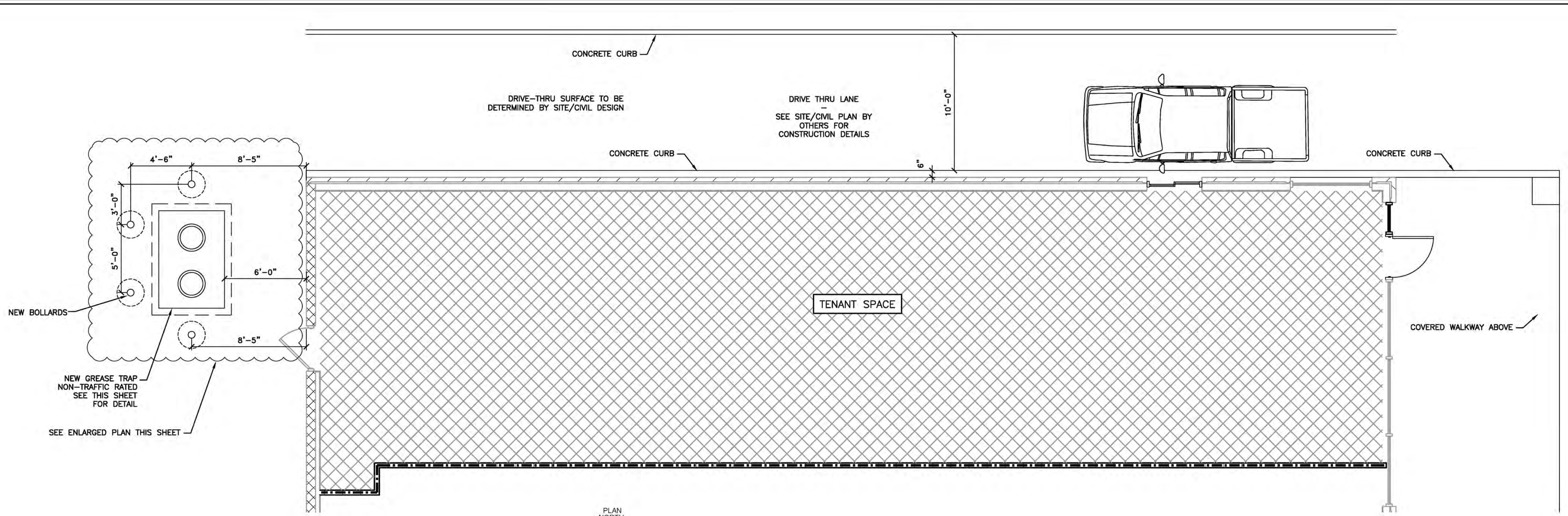




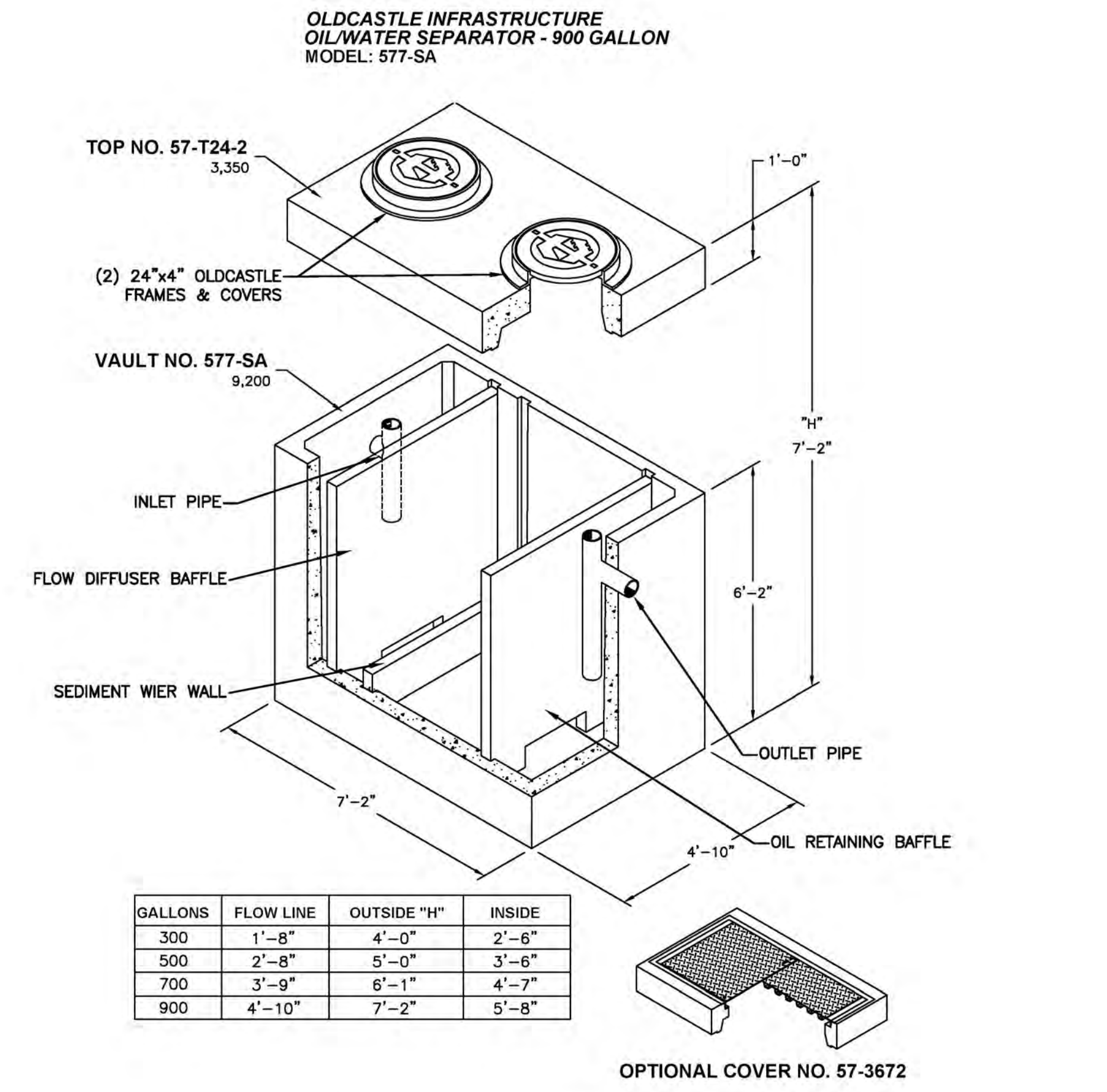




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 Project No: 2024-08-09  
 Date: 13 DEC 24

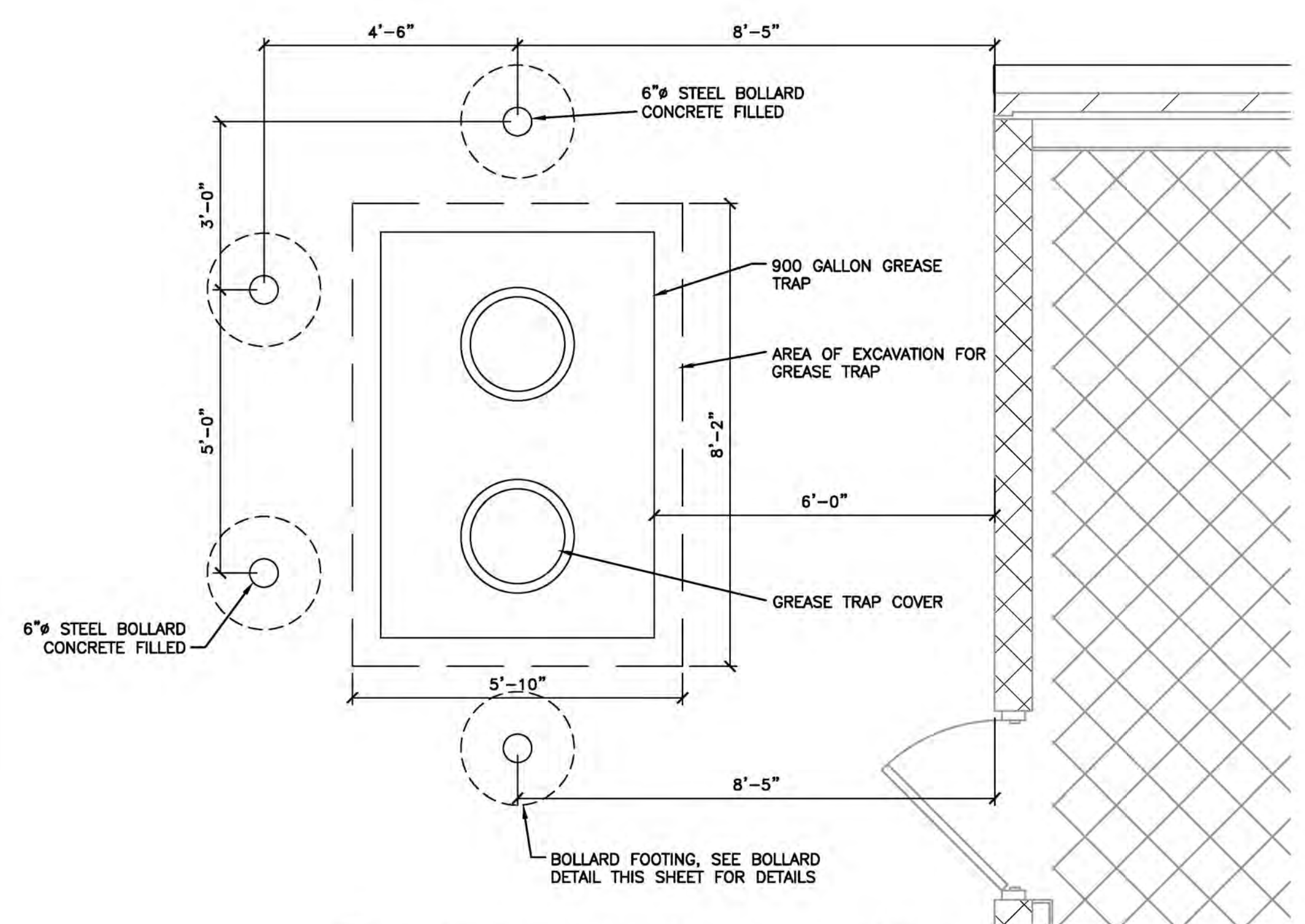


PLAN NORTH TRUE NORTH  
**1 GREASE TRAP PLAN**  
 G5 1/4" = 1'-0"

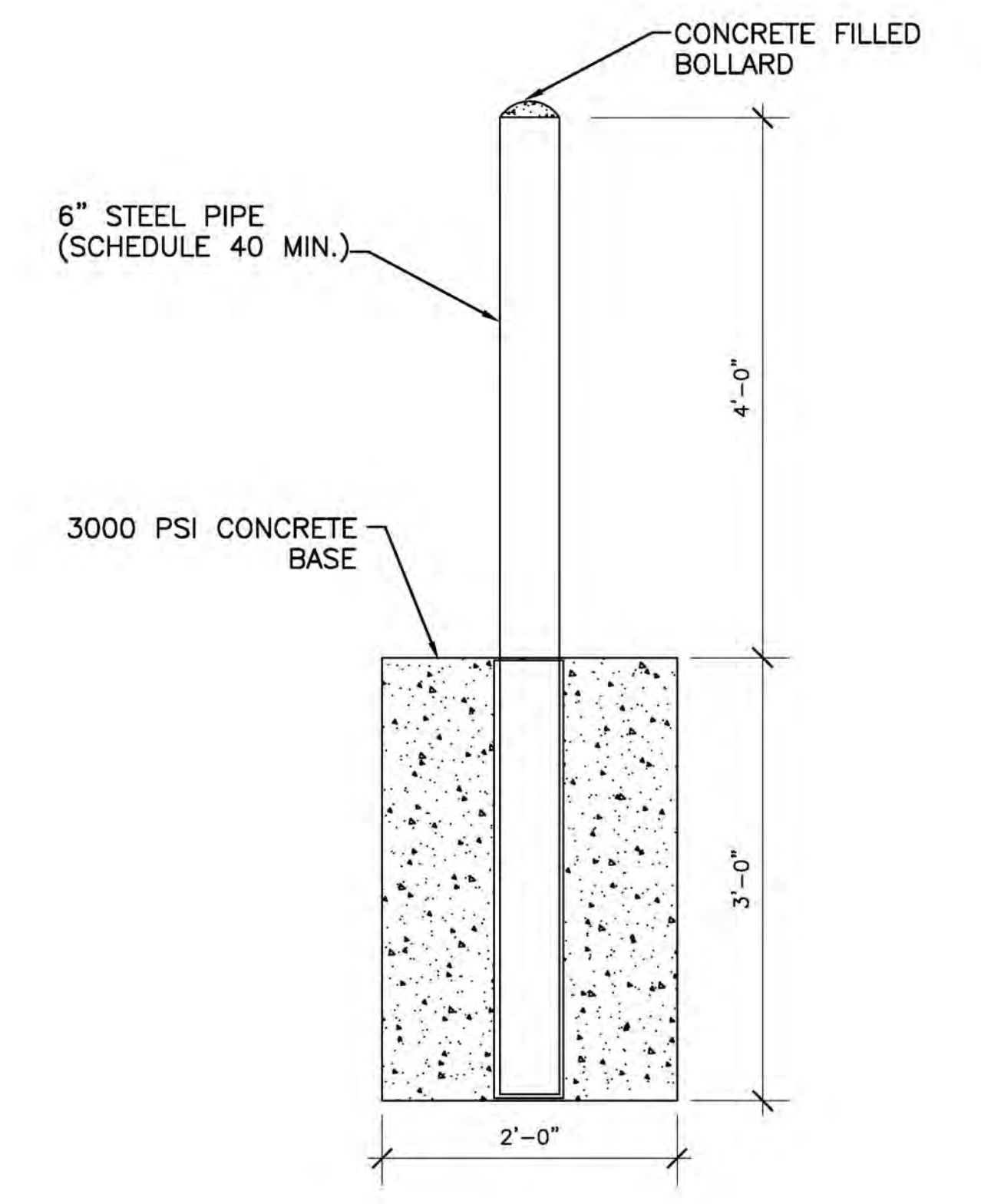


**2 GREASE TRAP DETAIL**  
 G5 N.T.S.

**GREASE TRAP NOTE:**  
 NEW 900 GALLON NON-TRAFFIC RATED GREASE TRAP WILL BE INSTALLED AT THE BACK OF THE TENANT SPACE PER LANDLORD/TENANT REQUIREMENT. CONTRACTOR WILL LOCATE FINAL PLACEMENT OF GREASE TRAP ACCORDING TO UTILITY LOCATIONS IN THE INSTALLATION AREA AND LOCATION OF BUILDING FOOTING. TRAFFIC BOLLARDS WILL BE INSTALLED TO ENSURE SAFETY OF GREASE TRAP IS ENSURED.



**3 ENLARGED GREASE TRAP PLAN**  
 G5 1/2" = 1'-0"



**4 TYPICAL BOLLARD POST/DETAIL**  
 G5 N.T.S.

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 NORTH CAROLINA LICENSE NUMBER: 05070

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 FINAL DRAWING  FOR CONSTRUCTION

OWNER/TENANT: \_\_\_\_\_  
 CONTRACTOR/BUILDER: \_\_\_\_\_

**LEVEL II ALTERATION: BUILDING SHELL SPACES**  
 185 MITTIE HADDOCK DRIVE  
 CAMERON, NC 28326  
**GREASE TRAP PLAN/DETAILS**

**G5**

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**GENERAL NOTES:**

ALL WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA MECHANICAL CODE 2018 EDITION, ASHRAE, SMACNA, AND NFPA.

STRUCTURAL MEMBERS OF THE BUILDING SHALL NOT BE CUT IN ANY MANNER FOR THE INSTALLATION OF ANY EQUIPMENT UNLESS PRIOR APPROVAL IS OBTAINED.

THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS AND ROUTING OF ALL DUCTWORK, PIPING, AND EQUIPMENT WITH OTHER TRADES TO AVOID CONFLICT.

THE MECHANICAL CONTRACTOR SHALL MAKE A COMPLETE REVIEW OF THE MECHANICAL PLANS, SCHEDULES, AND DETAILS PRIOR TO INSTALLATION OF THE MECHANICAL SYSTEMS AND REVIEW ANY CONFLICTS WITH THE GENERAL CONTRACTOR.

THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASES AND WALL MOUNT SPACE.

ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:

1. STORM AND SANITARY SEWER LINES
2. DUCTWORK AND HVAC SYSTEMS
3. HOT AND COLD WATER LINES
4. RIGID CONDUIT
5. CABLE

THE MECHANICAL CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF ALL PENETRATIONS (PERTAINING TO HIS WORK) THROUGH THE ROOF, WALLS, FLOORS WITH THE GENERAL CONTRACTOR. ANY WATERPROOFING AROUND THE OPENINGS TO BE COMPLETED BY THE GENERAL CONTRACTOR.

THE MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL HIS OWN SUPPORT DEVICES. ALL LOCATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS PRIOR TO INSTALLATION. ALL PLATFORMS AND WALKWAYS IN ATTIC SPACES ARE PROVIDED BY THE GENERAL CONTRACTOR. THE MECHANICAL CONTRACTOR TO COORDINATE THE LOCATION AND DIMENSIONS OF ALL PLATFORMS IN THE ATTIC WITH THE GENERAL CONTRACTOR.

ALL EQUIPMENT HAVING ROTATING OR MOVING PARTS SHALL HAVE VIBRATION ISOLATORS TO ELIMINATE TRANSMISSION OF OBJECTIONABLE NOISE TO OTHER MATERIAL OR EQUIPMENT.

WHERE OUTSIDE AIR INTAKE DUCTWORK CONNECTS TO OUTSIDE AIR LOUVER, THE INSIDE FACE OF THE DUCTWORK SHALL BE PRIMED AND PAINTED WITH (2) TWO COATS OF FLAT BLACK TO PREVENT DUCTWORK FROM BEING VISIBLE.

THE MECHANICAL CONTRACTOR SHALL PROVIDE NAMEPLATES FOR IDENTIFICATION OF ALL EQUIPMENT. THE NAMEPLATES SHALL BE LAMINATED PHENOLIC PLASTIC, BLACK FRONT AND BACK WITH WHITE CORE, WHITE ENGRAVED LETTERS (1/4 INCH MINIMUM) ETCHED INTO THE WHITE CORE. NAME TAGS TO BE MOUNTED WITH SELF-TAPPING SHEET METAL SCREWS.

ALL EQUIPMENT MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK OR IN ACCORDANCE WITH THE PARTICULAR MANUFACTURER'S STANDARD GUARANTEE IF LONGER. ANY FAULTY MATERIAL OR WORKMANSHIP OR FAILURE OF ANY PART OF THE SYSTEM DURING NORMAL OPERATIONS UNDER THIS GUARANTEE SHALL BE CORRECTED WITHOUT COST TO THE OWNER.

THE MECHANICAL CONTRACTOR SHALL CLEAN ALL OF HIS EQUIPMENT PRIOR TO FINAL CLOSE OUT OF THIS PROJECT TO BE FREE OF ANY DIRT OR DEBRIS IN DRAIN PANS, CONDENSATE DRAINS, CONDENSING UNIT COILS, AND ETC.

ALL EQUIPMENT SHALL BE LOCATED AND INSTALLED TO PROVIDE MAXIMUM SPACE FOR MAINTENANCE AND SERVICE.

PROVIDE EQUIPMENT SUPPORT PAD FOR ALL BASE MOUNTED EQUIPMENT. PAD SHALL BE 4" HIGH OR PREFABRICATED CONCRETE PAD FOR ALL CONDENSING UNITS, AND PACKAGE UNITS, 4" MINIMUM FROM EQUIPMENT EDGE TO END OF PAD ON ALL SIDES.

THE MECHANICAL CONTRACTOR SHALL CONFIRM ALL BREAKER AND DISCONNECT SIZES OF HIS EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING ANY EQUIPMENT FOR THIS PROJECT.

CONDENSATE DRAINS SHALL BE A MINIMUM OF 3/4" Ø PVC PIPE. A P-TRAP SHALL BE INSTALLED IN PIPE AT THE UNIT. ALL CONDENSATE LINES SHALL BE ROUTED AS INDICATED ON PLANS.

INSTALL FLEXIBLE DUCT CONNECTION AT SUPPLY AND RETURN DUCTWORK CONNECTIONS TO ALL AIR HANDLING UNITS, FAN BOXES, ETC.

**DUCTWORK NOTES:**

ALL DUCTWORK, PIPING, EQUIPMENT, ETC. SHALL BE SUPPORTED FROM THE BUILDING SUPPORT STRUCTURE AND NOT THE ROOF.

ALL DUCT LAYOUT AND LOCATIONS ARE SHOWN DIAGRAMMATIC. THE MECHANICAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE BUILDING CONDITIONS AND COORDINATE THE DUCT LAYOUT WITH ALL CONTRACTORS PRIOR TO INSTALLATION.

ALL DUCTWORK SHALL BE CONSTRUCTED OF SHEET METAL IN ACCORDANCE WITH ASHRAE & SMACNA. DUCT SIZES SHOWN ARE NET FREE AREA REQUIRED.

VOLUME OR SPLITTER DAMPERS SHALL BE INSTALLED WHERE NECESSARY TO GUIDE AND CONTROL THE AIR FLOW. TURNING VANES ARE REQUIRED IN ALL ELBOWS AND AIR DEFLECTION DEVICES WILL BE INSTALLED WHERE REQUIRED FOR A BALANCED SYSTEM. PROVIDE SHEET METAL SLEEVES AND COLLARS WHERE DUCTS PASS THRU WALLS.

ALL DUCTS SHALL BE AIR TIGHT, RIGID AND FREE FROM VIBRATION AND NOISE. ALL LAP JOINTS SHALL BE IN THE DIRECTION OF FLOW AND SEALED WITH DUCT SEALER. ALL TAPES AND MASTICS USED SHALL LISTED WITH UL181A AND SHALL BE MARKED. (NMGCC (603.9) & NCECC (C403.2.9))

FLEXIBLE DUCT RUNS SHALL NOT EXCEED 12'-0" IN LENGTH. FLEXIBLE DUCT SHALL BE SUPPORTED EVERY 5'-0". MAXIMUM SAG IS A 1/2 INCH PER FOOT OF SPACING BETWEEN SUPPORTS. SADDLE MATERIAL IN CONTACT WITH THE FLEXIBLE DUCT SHALL BE WIDE ENOUGH SO THAT IT DOES NOT REDUCE THE INTERNAL DIAMETER OF THE DUCT. THE SADDLE MUST COVER ONE-HALF THE CIRCUMFERENCE OF THE OUTSIDE DIAMETER OF THE FLEXIBLE DUCT AND FIT NEATLY AROUND THE LOWER HALF OF THE DUCT'S OUTER CIRCUMFERENCE.

PROVIDE PERMANENT MANUAL DAMPERS IN ALL SUPPLY AND RETURN AIR DUCTS AT THE MAIN TRUNK LINE FOR SYSTEM BALANCING. THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR BALANCING THE AIR DISTRIBUTION SYSTEM AFTER THE SYSTEM HAS BEEN INSTALLED AND EQUIPMENT IS OPERATING. MANUAL DAMPERS ARE REQUIRED TO BE INSTALLED IN THE RETURN AIR DUCT IF THE DUCT IS RETURNING AIR FROM INDIVIDUAL ROOMS. MANUAL DAMPERS ARE NOT REQUIRED IF THE DUCT IS RETURNING AIR FROM CENTRALLY LOCATED FILTER/RETURN GRILLES.

THE OUTSIDE AIR INTAKE DUCTWORK SHALL BE HARD ROUND DUCT, FLEXIBLE DUCT WILL NOT BE ACCEPTED. SEE PLAN FOR DUCT SIZE.

ALL OUTSIDE AIR INTAKE DUCTS SHALL HAVE A FILTER BOX TO HOUSE A MINIMUM OF 16 IN. X 20 IN. X 2 IN. THICK FILTER, U.N.O. AT EACH AIR HANDLING UNIT EITHER IN THE ATTIC OR CRAWL SPACE. THE FILTER BOX SHALL HAVE A HINGED DOOR THAT IS GASKETED TO MAINTAIN A AIRTIGHT SEAL WITH A THUMBSCREW TO ACCESS THE FILTER.

THE OUTSIDE AIR FILTER SHALL BE THE HI-E 40 AS MANUFACTURED BY PURULATOR PRODUCTS AIR FILTRATION COMPANY, OR APPROVED EQUAL AIR FILTER SHALL BE (2) TWO INCHES DEEP, MEDIUM EFFICIENCY, PLEATED MEDIA, DISPOSABLE PANEL TYPE. THE FILTER MEDIA SHALL BE SELF-EXTINGUISHING NON-WOVEN COTTON AND SYNTHETIC FIBERS. THE FILTER MEDIA SHALL BE BONDED TO A 28-GAUGE CORROSION RESISTANT, EXPANDED METAL SUPPORT GRID WITH A 95% OPEN FACE AREA.

**DUCT/PIPING INSULATION NOTES:**

ALL SUPPLY AND RETURN AIR DUCTS SHALL BE INSULATED WITH MIN. R-6.0 INSULATION UNLESS NOTED OTHERWISE IN THE DRAWING. NCECC (C403.2.9) ACCEPTABLE MANUFACTURERS ARE JOHNSON MANVILLE.

LIQUID AND SUCTION PIPING TO AND FROM AIR HANDLING UNITS SHALL BE INSULATED WITH 1-1/2" THICK PIPE INSULATION IN ACCORDANCE WITH NCECC TABLE (C403.2.10).

ALL FLEXIBLE DUCT REQUIRING INSULATION SHALL HAVE A VALUE OF AT LEAST R-5.0. THE FLEXIBLE DUCT SHALL BE ATCO RUBBER PRODUCTS, INC. UPC NO. 036 OR APPROVED EQUAL WITH A REINFORCED METALLIZED POLYESTER JACKET. THE INNER CORE IS AIRTIGHT AND IS DESIGNED FOR LOW TO MEDIUM OPERATING PRESSURES IN HVAC SYSTEMS. AIR DUCT CONNECTIONS AND JOINTS SHALL BE MADE PER INSTALLATION INSTRUCTIONS OUTLINED BY ATCO.

OUTSIDE AIR INTAKE DUCTWORK AND EXHAUST DUCTWORK IS TO BE UNINSULATED.

**DESCRIPTION AND SEQUENCE OF OPERATION OF HVAC SYSTEM**

THE HVAC SYSTEM CONSISTS OF:

(1) EXISTING 5.0 TON PACKAGE HEAT PUMP WHICH PROVIDE COOLING/HEATING/VENTILATION TO RENOVATION AREA AND EXISTING TENANT SPACE AN EXISTING 3 TON SPLIT SYSTEM WILL BE RELOCATED INTO THE SPACE AND WILL NOT BE UTILIZED FOR THIS PROJECT PER LANDLORD REQUIREMENTS. IT WILL BE FOR FUTURE USE BY A FUTURE TENANT..

**OCCUPIED OPERATION**

EXISTING RTU-5 TO SERVE TENANT SPACE AS PRESENTLY INSTALLED. THE ADDITIONAL AHU-1 TO BE ROUTED TO SUPPLY CONDITIONING TO RENOVATED AREA UPON NEW TENANT UPFIT. THE SUPPLY FANS SHALL RUN CONTINUOUSLY TO PROVIDE THE REQUIRED VENTILATION RATE. IN THE COOLING MODE, A RISE IN TEMPERATURE BEYOND SET POINT OF PROGRAMMABLE T-STAT WILL RESULT IN ACTIVATION OF DX COOLING CYCLE UNTIL DESIRED TEMPERATURE IS REACHED. IN HEATING MODE, A SIGNAL FROM T-STAT WILL ACTIVATE THE HEAT PUMP TO DELIVER HEATING TO SPACES. IF OUTSIDE TEMPERATURE FALLS BELOW SET POINT, HEAT STRIPS WILL ACTIVATE TO BRING TEMPERATURE TO DESIRED SET POINT AT WHICH TIME THE HEAT STRIPS WILL TURN OFF AND HEAT PUMP SHALL BE USED TO MAINTAIN DESIRED SPACE TEMPERATURE.

PROVIDE HEAT STRIP LOCKOUT CONTROLS TO PREVENT HEAT STRIP OPERATION BETWEEN 35F AND 40F PER ENERGY CODE PARAGRAPH 503.2.4.1.1.

**UNOCCUPIED OPERATION**

THE SUPPLY FAN OF EACH UNIT SHALL BE INDEXED OFF AND MOTORIZED OUTSIDE AIR DAMPER SHALL BE CLOSED. PROGRAMMABLE THERMOSTATS SHALL PROVIDE CONTROL OF EACH UNIT.

**EXHAUST FAN OPERATION**

THE RESTROOM EXHAUST FANS EF-1 SHALL BE SWITCHED WITH LIGHTING FOR TOILET.

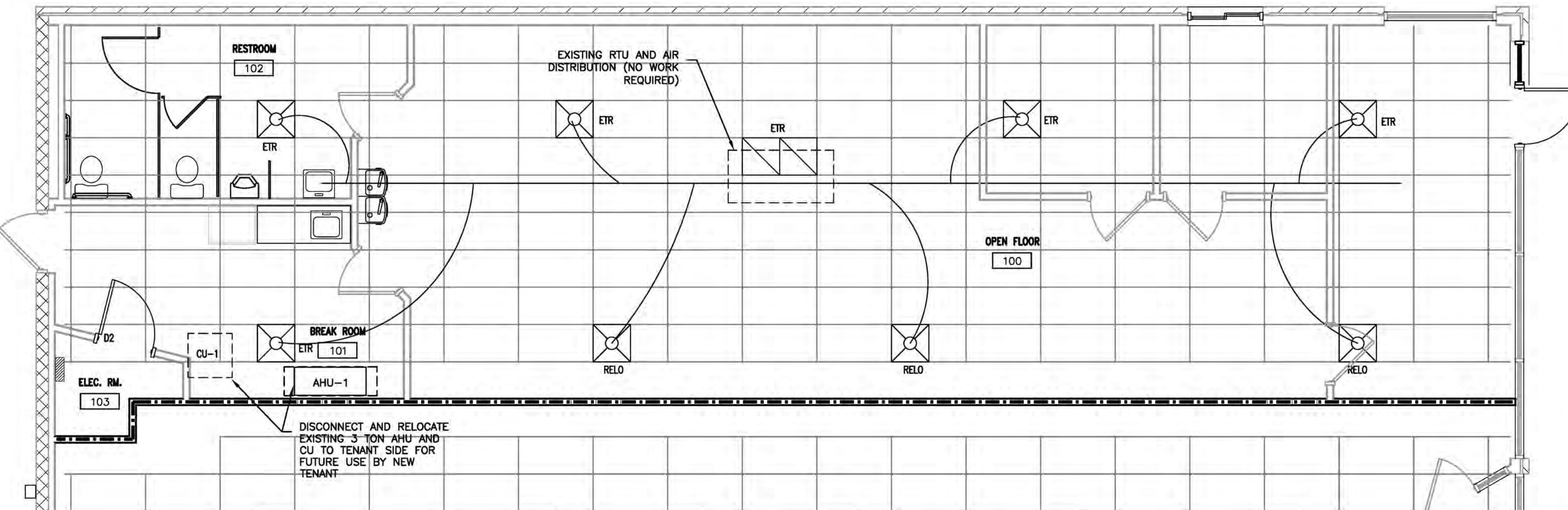
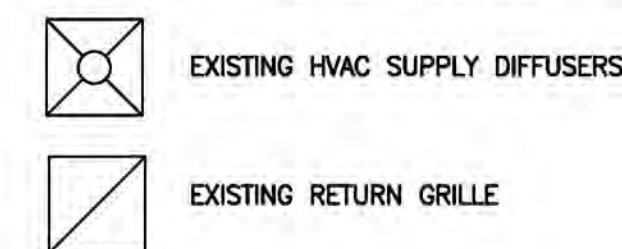
**OUTSIDE AIR CALCULATION**

OCCUPANCY TYPE:	BUSINESS
ACTUAL NUMBER OF OCCUPANTS (Pz)	18 PEOPLE
NET SQUARE FOOTAGE OF HEATED BUILDING: (Az)	1517 SQ/FT
<b>BUILDING EXHAUST REQUIREMENTS</b>	
TOILET EXHAUST REQUIRED (3 FLUSHING FIXTURES * 75 CFM EACH))	225 CFM
TOTAL BUILDING EXHAUST AIR REQUIRED	225 CFM
<b>BUILDING &amp; PEOPLE VENTILATION REQUIREMENTS</b>	
BUILDING VENTILATION (Az*Ra) (1517 * 0.06)	91 CFM
PEOPLE * 5 CFM TABLE 403.3.1.1: 2018 NC MECH CODE	90 CFM
PEOPLE (Pz*Rp) 18 PEOPLE * 5 CFM/PERSON	90 CFM
OUTSIDE AIR SUB-TOTAL	181 CFM
OUTSIDE AIR REQUIRED = 181 / 0.80 (EFFECTIVENESS)	226 CFM
<b>BUILDING EXHAUST PROVIDED</b>	
EF-1	
225 CFM	225 CFM
<b>OUTSIDE AIR PROVIDED</b>	
EXIST. RTU 5-TON UNIT	TOTAL
226 CFM	226 CFM

IT IS THE PURPOSE OF THESE DRAWINGS TO SHOW THE INTENT OF THIS SYSTEM DESIGN. EVERY EFFORT HAS BEEN MADE TO ACCURATELY SHOW EXISTING CONDITIONS- ANY DEVIATION TO THESE DRAWINGS UNCOVERED DURING NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF GENERAL CONTRACTOR OR ENGINEER BEFORE ALTERING THIS DESIGN.

**MECHANICAL SCOPE OF WORK:**  
TENANT SPACE HAS ONE (1) EXISTING 5 TON RTU INSTALLED AND NO WORK IS REQUIRED. AN EXISTING 3 TON SPLIT SYSTEM WILL BE RELOCATED TO THE TENANT SIDE AND WILL NOT BE CONNECTED FOR THIS PROJECT. IT WILL BE UTILIZED FOR A FUTURE TENANT.

**EXISTING MECHANICAL SYMBOLS:**



THIS BUILDING IS FULLY PROTECTED BY FIRE SPRINKLERS

**BJENKINS**  
CONSULTING ENGINEERS, PA.  
OFFICE IN EUREKA SPRINGS, NORTH CAROLINA  
1606 MARTINBURD RD. FAYETTEVILLE, NC 28411-1022  
NORTH CAROLINA LICENSE NUMBER: 05879  
OFFICE #9103221724

DESIGNED / CHECKED BY:  
**B. JENKINS**

DRAWN BY:  
**MAW**

PROJECT #:  
**2024-08-09**

DATE:  
**13 DEC 24**

FINAL DRAWING  FOR REVIEW PURPOSES ONLY  
 FOR DESIGN DEVELOPMENT ONLY  
 FOR CONSTRUCTION

OWNER/TENANT:  
CONTRACTOR/BUILDER:

PROJECT:  
**LEVEL II ALTERATION: BUILDING SHELL SPACES**  
CAMERON, NC - 28326

SHEET:  
**MECHANICAL - HVAC PLAN/NOTES/SCHEDULES**

M1

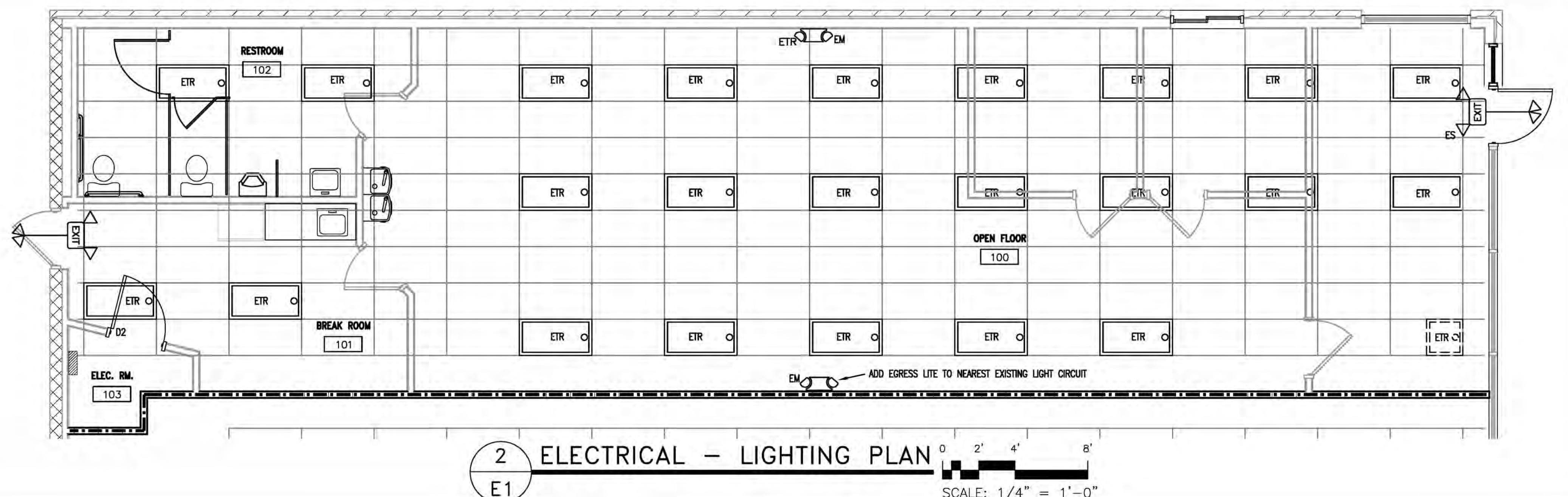
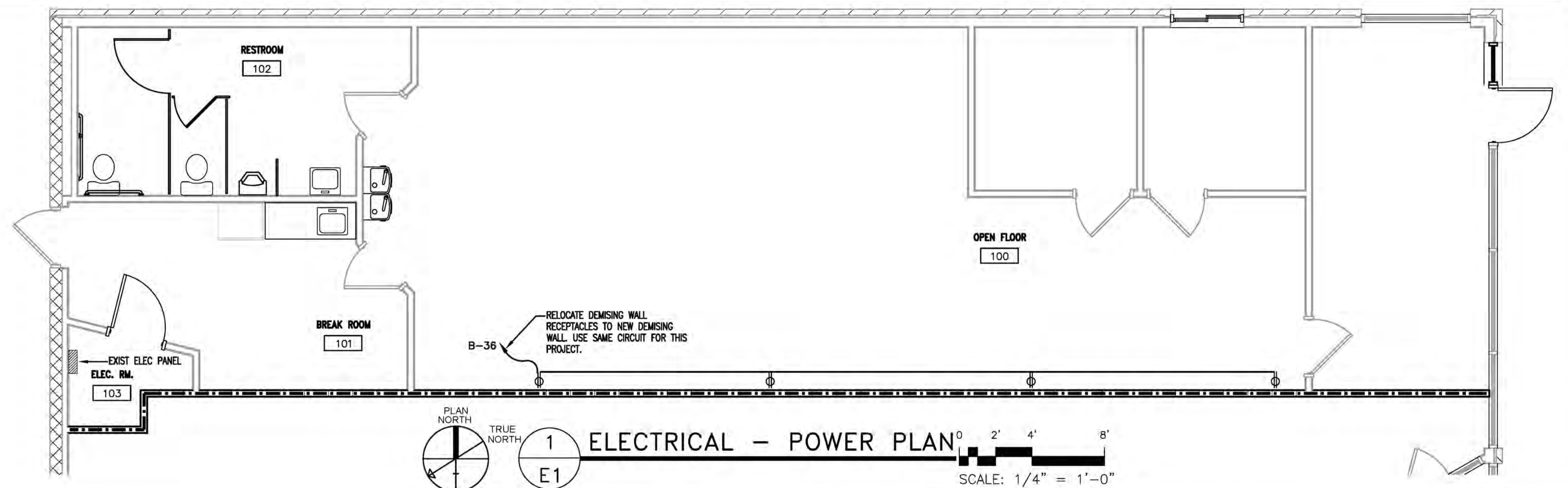
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 Scale: 1/4" = 1'-0"



Drawing Title: ALTERNATION: BUILDING SHELL SPACES  
 Drawing No.: 2024-08-09  
 Project No.: 2024-08-09  
 Scale: 1/8" = 1'-0"  
 Date: 13 DEC 24

**ELECTRICAL NOTES:**

- ALL WORK SHALL BE IN ACCORDANCE WITH 2020 NEC.
- WIRE AND CABLE SHALL BE INSULATED, TYPE THHN, 600 VOLTS, WITH COPPER CONDUCTORS. CONDUCTOR SIZES NO. 8 AWG AND LARGER MAY BE STRANDED. CONDUCTOR SIZES NO. 10 AWG AND SMALLER MAY BE SOLID OR STRANDED.
- ROMEX CANNOT BE USED IN THIS PROJECT.
- FMT SHALL BE GALVANIZED STEEL TUBING 1/2-INCH MINIMUM SIZE, EQUAL TO ELECTRUNITE BRAND OR APPROVED AND USED ONLY WITH HEXAGONAL ALL STEEL COMPRESSION FITTINGS. MC CABLE MAY BE SUBSTITUTED FOR CONDUIT RACKWAYS WHERE PERMITTED BY THE CODE, AND APPROVED BY OWNER.
- PLASTIC CONDUIT SHALL BE RIGID, 3/4-INCH MINIMUM, NONMETALLIC, HEAVY DUTY, POLYVINYLCHLORIDE (PVC), TYPE 1 WILL BE USED FOR CONCRETE ENCASMENT, FITTINGS SHALL BE THE SAME MATERIALS AND MANUFACTURER AS THE PLASTIC CONDUIT.
- FLEXIBLE METAL CONDUIT SHALL BE 1/2-INCH MINIMUM SINGLE STRIP, STEEL, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE, MAXIMUM LENGTH OF 72 INCHES FOR LIGHTING, AND 36 INCHES FOR MOTORS. FLEXIBLE METAL CONDUIT SHALL BE LIQUID TIGHT OR WATER TIGHT WITH PVC JACKET WHERE USED IN DAMP, WET, OR OUTSIDE AREAS, AND LIQUID TIGHT OR WATER TIGHT CONNECTORS SHALL BE USED.
- NO RECEPTACLES OR TELEPHONE OUTLETS ARE TO BE MOUNTED BACK TO BACK. KEEP AT LEAST 1 1/2 INCHES BETWEEN RECEPTACLES AND TELEPHONE OUTLETS.
- ALL RECEPTACLES WITHIN THE FOLLOWING COMMERCIAL SPACES SHALL BE TAMPER RESISTANT PER 2020 NEC 406.12: MOTEL, GUEST/SUITE ROOMS, CHILD CARE FACILITIES, PRESCHOOLS AND ELEMENTARY EDUCATION FACILITIES, BUSINESS OFFICES, CORRIDORS, WAITING ROOMS AND THE LIKE AT (CLINICS, MEDICAL AND DENTAL OFFICES, AND OUTPATIENT FACILITIES), SUBSET OF ASSEMBLY OCCUPANCIES DESCRIBED 518.2 TO INCLUDE PLACES OF WAITING TRANSPORTATION, GYMNASIUMS, SKATING RINKS, AND AUDITORIUMS, AND DORMITORIES.
- ALL CONDUCTORS SHALL BE COPPER WITH A MINIMUM SIZE OF #12 AWG EXCEPT FOR FIRE ALARM. THESE CONDUCTORS SHOULD COMPLY WITH NFPA REQUIREMENTS.
- THE ELECTRICAL CONTRACTOR SHALL ALIGN ALL FIXTURES, SMOKE DETECTORS, CEILING DIFFUSERS, ETC. AS REQUIRED TO PROVIDE A UNIFORM PRESENTATION. FOLLOW THE REFLECTED CEILING PLAN IF PROVIDED.
- CIRCUIT BREAKERS AND WIRE ARE SIZED FOR SPECIFIC EQUIPMENT BEFORE ORDERING WIRE, BREAKERS, FIXTURES, CONDUIT, AND ETC. FOR THIS PROJECT, THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS ON THE JOB AND VERIFY THE ELECTRICAL DATA FOR THE EQUIPMENT THAT WILL BE ACTUALLY INSTALLED. RECOMPUTE WIRE AND BREAKER SIZES IF REQUIRED BY THE NEC.
- THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE GENERAL CONTRACTOR AND OWNER PRIOR TO INSTALLATION FOR USE WITH ACTUAL EQUIPMENT.
- ALL LIGHT SWITCHES, RECEPTACLES, WALL PLATES, TELEPHONE/COMPUTER OUTLET BOXES, AND CABLE OUTLET BOXES SHALL BE WHITE.
- EACH CONTRACTOR WILL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED IN HIS CONTRACT AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE ELECTRICAL CONTRACTORS EXPENSE.
- THE ELECTRICAL CONTRACTOR SHALL REFER TO THE DRAWINGS FOR FLOOR PLAN AND BUILDING ELEVATION DIMENSIONS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASES AND WALL MOUNT SPACE. ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:
  1. STORM AND SANITARY SEWER LINES
  2. DUCTWORK AND HVAC SYSTEMS
  3. HOT AND COLD WATER LINES
  4. RIGID CONDUIT
  5. CABLE
- THE ELECTRICAL CONTRACTOR TO ORGANIZE HIS CONDUIT, WIRE, AND CABLE RUNS IN ATTIC SPACES AND ABOVE CEILINGS, MAKE RUNS PARALLEL, PERPENDICULAR, AND GROUPED TOGETHER WHERE POSSIBLE. LOCATE MAJOR GROUPINGS OVER HALLWAYS AND AREAS OF PUBLIC ACCESS. FREE RUNS OF PHONE, TELEVISION, SECURITY, ALARM, AND OTHER CABLES IS NOT ACCEPTABLE.
- ALL DISCONNECT SWITCHES AND BREAKER SIZES SHOWN FOR MECHANICAL EQUIPMENT, KITCHEN EQUIPMENT, AND ETC. SHALL BE VERIFIED BEFORE PURCHASE AND INSTALLATION OF SAID EQUIPMENT WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.
- WHERE EQUIPMENT PENETRATES EXTERIOR WALLS OR ROOF, THEY SHALL BE PROPERLY SEALED.
- EXHAUST FANS ARE TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND ELECTRICAL WIRING BY THE ELECTRICAL CONTRACTOR.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE NAMEPLATES FOR IDENTIFICATION OF ALL EQUIPMENT, SWITCHES, PANELS, ETC. THE NAMEPLATES SHALL BE LAMINATED PHENOLIC PLASTIC, BLACK FRONT AND BACK WITH WHITE CORE, WHITE ENGRAVED LETTERS (1/4 INCH MINIMUM) ETCHED INTO THE WHITE CORE. NAME TAGS TO BE MOUNTED WITH SELF-TAPPING SHEET METAL SCREWS.
- THE ELECTRICAL CONTRACTOR IS NOT TO SCALE THE DRAWINGS FOR RECEPTACLES AND LIGHT FIXTURES TO BE INSTALLED. THE DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY TO SHOW GENERAL LOCATION. THE ELECTRICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF RECEPTACLES AND LIGHT FIXTURES WITH THE GENERAL CONTRACTOR AND/OR CASEWORK DRAWINGS.
- ALL LIGHT SWITCHES AND RECEPTACLES SHALL BE RATED FOR 20 AMP UNLESS NOTED OTHERWISE.



EXISTING PANEL "B"											
PHASE LOADING			DESCRIPTION	CKT. TYPE	WIRE SIZE	CKT. BKRS. TRIP	A	B	C	PHASE LOADING	
A	B	C									A
9.6			RTU 5-TON	H	#2	90/3					
	9.6		LIGHTS	C	#12	20/1					
		9.6	LIGHTING	C	#12	20/1					
0.72			LIGHTING	C	#12	20/1					
	0.90		LIGHTING	C	#12	20/1					
		1.80	LIGHTING	C	#12	20/1					
1.80			LIGHTING	C	#12	20/1					
	1.80		LIGHTING	C	#12	20/1					
		1.00	LIGHTING	C	#12	20/1					
0.36			LIGHTING	C	#12	20/1					
	0.54		LIGHTING	C	#12	20/1					
		1.80	LIGHTING	C	#12	20/1					
1.00			LIGHTING	C	#12	20/1					
	1.00		LIGHTING	C	#12	20/1					
		1.00	LIGHTING	C	#12	20/1					
0.49			BATH GFI	R	#12	20/1					
	0.49		BATH GFI	R	#12	20/1					
		0.39	LOAD	R	#12	20/1					
			SPACE								
	3.48		AHU-1 W/ SKW HEAT STRIPS	N	#8	30/2					
		3.48									
13.9	17.8	19.1	SUB-TOTAL (VA)								
C CONTINUOUS LOAD			E ESTIMATED LOAD								
H HVAC LOAD											
N NON-CONTINUOUS LOAD											
R RECEPTACLE LOAD											
K KITCHEN LOAD											
TOTAL CONNECTED LOAD = 70.16 KVA										AMPS = 195	
TOTAL OF 42 SPACES											

PHASE 3 WIRE 4 VOLTS 120/208 MAIN 200 MLO

TYPE NEMA 1 MOUNTING FLUSH ENCLOSURE

SHORT CKT. RATING 22,000 RMS SYM.

GROUND TERMINAL BAR  NEUTRAL TERMINAL BAR

**ELECTRICAL SCOPE OF WORK:**

TENANT SPACE DOES NOT REQUIRE ANY LIGHTING WORK FOR THIS PROJECT. A NEW DEMISING WALL WILL BE INSTALLED WITH NEW RECEPTACLES. WILL UTILIZE EXISTING DEMISING WALL CIRCUIT FOR NEW RECEPTACLES.

**ELECTRICAL LEGEND**

⊕	DUPLX RECEPTACLE; MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE
~	SINGLE POLE POWER/LIGHTING HOMERUN
▨	POWER PANEL (EXISTING)
□	LAY-IN/SURFACE MOUNTED LED (EXISTING)
□	2x4 LAY-IN LED (EXISTING)
⚡	EMERGENCY LIGHT (MARKED EM)
⚡	EMERGENCY EXIT SIGN WITH REMOTE HEADS (MARKED EX)

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1006 MARATHON RD., EUREKA SPRINGS, NC 28741-1002  
NORTH CAROLINA LICENSE NUMBER: 35380

13 December 2024

DESIGNED / CHECKED BY: B. JENKINS  
DRAWN BY: MAW  
PROJECT #: 2024-08-09  
DATE: 13 DEC 24

FINAL DRAWING  FOR REVIEW PURPOSES ONLY  
PRELIMINARY  FOR DESIGN DEVELOPMENT ONLY  
FINAL DRAWING  FOR CONSTRUCTION

OWNER/TENANT:  
CONTRACTOR/BUILDER:

PROJECT: **LEVEL II ALTERATION: BUILDING SHELL SPACES**  
185 MITTIE HADDOCK DRIVE  
CAMERON, NC, 28326

SHEET: **ELECTRICAL - POWER/LIGHTING/SCHEDULE/NOTES**

**E1**

THIS BUILDING IS FULLY PROTECTED BY FIRE SPRINKLERS



