SHEET INDEX: CS COVER SHEET & INDEX TO DRAWINGS BCS BUILDING CODE SUMMARY SP-1 SITE PLAN LS1 LIFE SAFETY PLAN GO PARTIAL BUILDING PLAN - SCOPE OF WORK G1 DEMOLITION FLOOR PLAN G1.1 DEMOLITION REFLECTED CEILING PLAN G2 FLOOR PLAN G3 WALL FRAMING/SECTION - ROOM FINISH SCHED. G4 DRIVE-THRU DETAILS/SECTIONS/ELEVATION G5 DEMISING WALL DETAILS G6 UL DETAIL U-419 (1-HOUR RATED)

PROJECT:

LEVEL II ALTERATION For: BUILDING SHELL SPACES

185 MITTIE HADDOCK DR.
CAMERON, NC 28326

REVISION TO APPROVED PLANS (RTAP) NOTES:
REVISION TO APPROVED PLANS PER CLIENT/LANDLORD.
REMOVED GREASE TRAP SCOPE OF WORK FOR THIS PROJECT.
FUTURE TENANT WILL NOW INCLUDE INSTALLATION OF GREASE
TRAP ON THEIR UPFIT PLANS FOR THIS TENANT SPACE.

CHANGE TO THESE PLANS INCLUDE:
UPDATING COVER SHEET WITH REMOVAL OF SHEETS:
G5-GREASE TRAP PLAN/DETAILS
P1-PLUMBING - WASTE/RISER/SCHEDULE/NOTES

UPDATING SHEET SP1 TO REFLECT NEW SCOPE OF WORK.
UPDATING SHEET G0 TO REMOVE GREASE TRAP FROM
PLUMBING SCOPE OF WORK.
UPDATING SHEET G1 TO SHOW REMOVAL OF GREASE TRAP
DEMOLITION AREA.

UPDATING SHEETS G6/G7 SHOW THE REMOVAL OF SHEET G5 AND RENUMBER SHEETS ACCORDINGLY.

MECHANICAL - HVAC PLAN/NOTES/SCHEDULE

ELECTRICAL - POWER/LIGHTING/SCHEDULE/NOTES

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

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

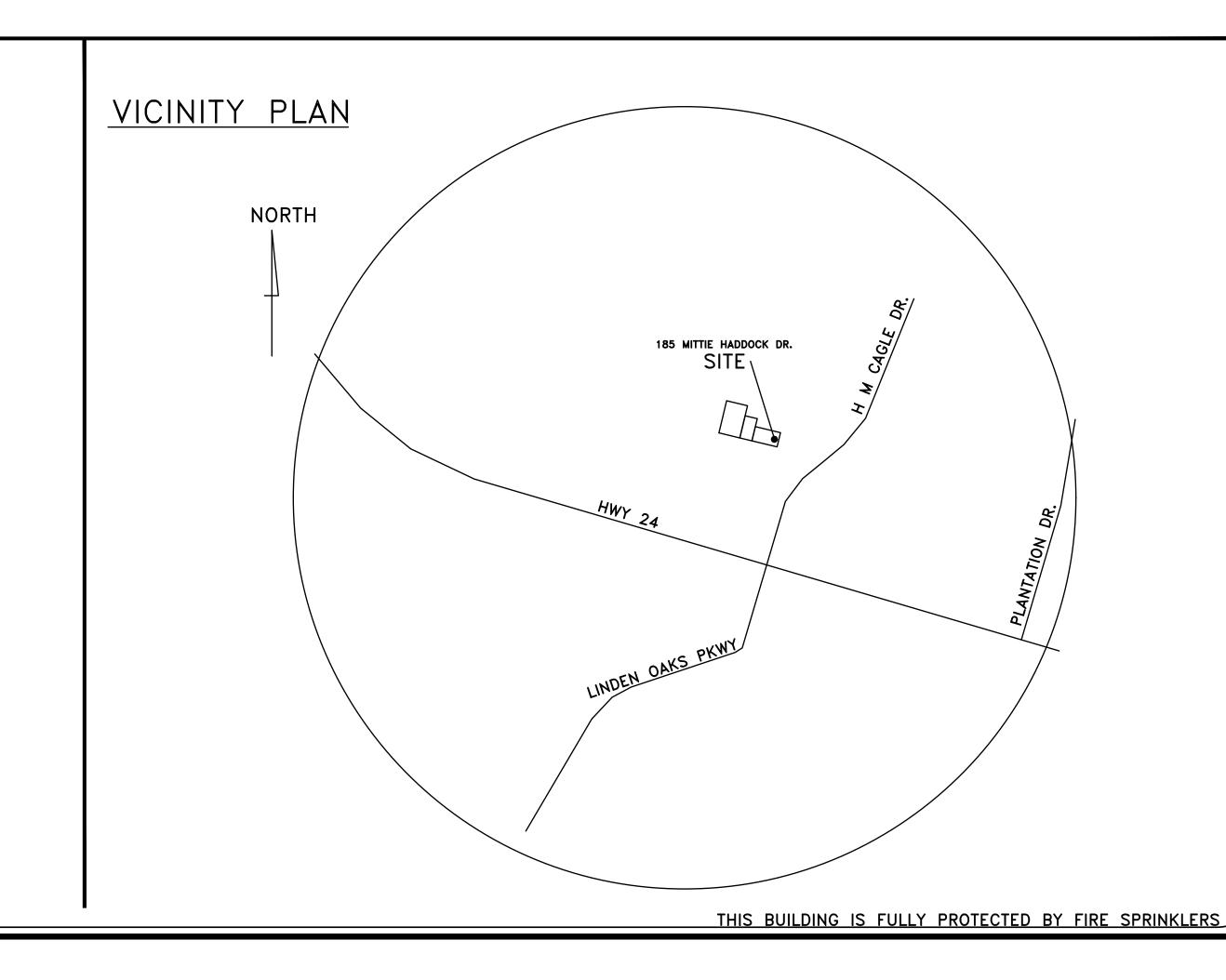
NORTH CAROLINA STATE BUILDING CODE: FIRE PREVENTION CODE 2018

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.



SPACES 2. 28326

EL II ALTERATION: BUILDING SHELL SPA MITTIE HADDOCK DRIVE CAMERON, NC. 283 'ER SHEET & INDEX TO DRAWINGS

CS

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

FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
N/A	N/A	N/A		
N/A	N/A	N/A		
JCE	DOUGLAS L. JENKINS	NC P.E. 28803	(910) 822-1724	buddyj@jenkinsce.pro
N/A	N/A	N/A		
N/A	N/A	N/A		
JCE	DOUGLAS L. JENKINS	NC P.E. 28803	(910) 822-1724	buddyj@jenkinsce.pro
N/A	N/A	N/A		
JCE	KELLY J. DODSON	NC PE 42009	(910) 822-1724	kellyd@jenkinsce.pro
N/A	N/A	N/A		
N/A	N/A	N/A		
JCE	DOUGLAS L. JENKINS	NC P.E. 28803	(910) 822-1724	buddyj@jenkinsce.pro
	N/A N/A JCE N/A N/A JCE N/A JCE N/A JCE N/A JCE N/A	N/A N/A N/A N/A JCE DOUGLAS L. JENKINS N/A N/A N/A N/A JCE DOUGLAS L. JENKINS N/A N/A JCE KELLY J. DODSON N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/CE DOUGLAS L. JENKINS NC P.E. 28803 N/A N/A N/A N/A N/A N/A JCE DOUGLAS L. JENKINS NC P.E. 28803 N/A N/A N/A JCE KELLY J. DODSON NC PE 42009 N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A JCE DOUGLAS L. JENKINS NC P.E. 28803 (910) 822-1724 N/A N/A N/A N/A N/A N/A JCE DOUGLAS L. JENKINS NC P.E. 28803 (910) 822-1724 N/A N/A N/A JCE KELLY J. DODSON NC PE 42009 (910) 822-1724 N/A N/A N/A N/A N/A N/A

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

2018 NC EXISTING BUILDING CODE: Prescriptive ☐ Alteration Level I ☐ Historic Property Repair ✓ Alteration Level II ☐ Change of Use (check all that apply) ☐ Chapter 14 ☐ Alteration Level III CURRENT USE (S) (Ch. 3): BUSINESS (THERAPY & MEDICAL OFFICES) CONSTRUCTED: (date) ____

PROPOSED USE (S) (Ch. 3): BUSINESS RENOVATED: (date) ____ OCCUPANCY RISK CATEGORY (Table 1604.5): Current: ______

BASIC BUILDING DATA Construction Type: □ I−B □ III−B (check all that apply) ■ NFPA 13 □ NFPA 13R □ NFPA 13D Sprinklers:
No
Partial Standpipes: No Class 🔲 I 🔲 II 🔲 III 🔲 Wet 🗀 Dry ✓ No ☐ Yes (APPENDIX D) Flood Hazard Area: No Yes Primary Fire District: Special Inspections Required: ✓ No ☐ Yes

GROSS BUILDING AREA TABLE

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

			ALLOWABLE	AREA			
Primary Occupancy Classification(s)	:						
Assembly	□_A-1		□ A-2		□ A-3	□ A-4	□ A-5
Business							
Educational							
Factory	□ F-1	Moderate	□ F-2 L	ow			
Hazardous	□ H-1	Detonate	□ H-2 [eflagrate)	☐ 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 L	ow	☐ High−piled	
	Parkii	ng Garage	Open	☐ Enclos	ed	☐ Repair Garage	
Utility and Miscellaneous							

Accessory Occupancy Classification(s): Incidental Uses (Table 509):

This separation is not exempt as a Non-separated Use (see exceptions). □ 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 ✓ No ☐ Yes Separation: _ — Hr. Exception: Mixed Occupancy:

✓ Non-separated Use (508.3)

 \square 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: Actual Area of Occupancy A Actual Area of Occupancy B Allowable Area of Occupancy B Allowable Area of Occupancy A

STORY NUMBER	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 4 AREA	(C) AREA FOR FRONTAGE INCREASE ^{1, 5}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2, 3}
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 = _____

b. Total Building Perimeter = _____ (P)

c. Ratio (F/P) = _____ (F/P)

d. W = Minimum width (weighted average) of public way = ____ (W) where W=(L 1 X w # L 2X w ½ /F

e. Percent of frontage increase = I_f = 100 [F/P - 0.25] x W/30 = _____ (%) (Equation 5-5)

FRONTAGE INCREASE WORKSHEET for CALCULATIONS:

EXTERIOR	WALL	(F) OPEN LENGTH (feet)	(P) TOTAL LENGTH (feet)	(W) (weighted average) WIDTH OF PUBLIC WAY OR OPEN SPACE (feet)	(%) FROM CALC. ABOVE	(B) FROM TABLE ABOVE	AREA INCREASE FOR COLUMN (C) ABOVE (% * 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

5 Frontage increase is based on the unsprinklered area value in Table 506.2.

BUILDING CODE SUMMARY (continued)

ALLOWABLE HEIGHT

ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
75	20'	-
4	1	-
	75 4	

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

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (feet)	RATING ** (TABLE 601) PROVIDED (w/ * REDUCTION	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATE JOINTS
Structural Frame, including columns, girders, trusses		0					
Bearing Walls							
Exterior		0	EXISTING	WALLS			
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	n						
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation		1 HR		U419/G2-G8			
Incidental Use Separation							

PERCENTAGE OF WALL OPENING CALCULATIONS

EXTERIOR WALL	FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINE	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	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 #: LS1

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

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
NONE REQUIRED							

ACCESSIBLE PAINING (SECTION 1100)									
LOT OR	TOTAL # OF PARKING S	SPACES	# OF ACCESSIBL	DED	TOTAL #				
LOT OR PARKING AREA	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES 132" ACCESS AISLE	S WITH 96" ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED			
EXISTING	N/R								
NEW									
TOTAL									

BUILDING CODE SUMMARY (continued)

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE	WATER CLOSETS		URINALS		LAVATORIES		SHOWERS/	DRINKING	FOUNTAINS	SERVICE	
USE	MALE	FEMALE	UNISEX	UNINALS	MALE	FEMALE	UNISEX	TUBS	REGULAR	ACCESSIBLE	SINK
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

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 Value of total assembly: ASHRAE 90.1: ☐ Performance ☐ Prescriptive

Other: \square Performance (specify source) THERMAL ENVELOPE: (Prescriptive method only)

Roof/ceiling Assembly (each assembly) Description of assembly: U- Value of total assembly: R- Value of insulation:

Skylights in each assembly: U- Value of skylight:

Total square footage of skylights in each assembly: Exterior Walls (each assembly) Description of assembly:

U- Value of total assembly: R- Value of insulation: Openings (windows or doors with glazing) U- Value of assembly:

Solar heat gain coefficient: Projection factor:

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 LEVEL II ALTERATION FOR:

BUILDING SHELL SPACES

185 MITTIE HADDOCK DR. CAMERON, NC 28326

THIS BUILDING IS FULLY PROTECTED BY FIRE SPRINKLERS





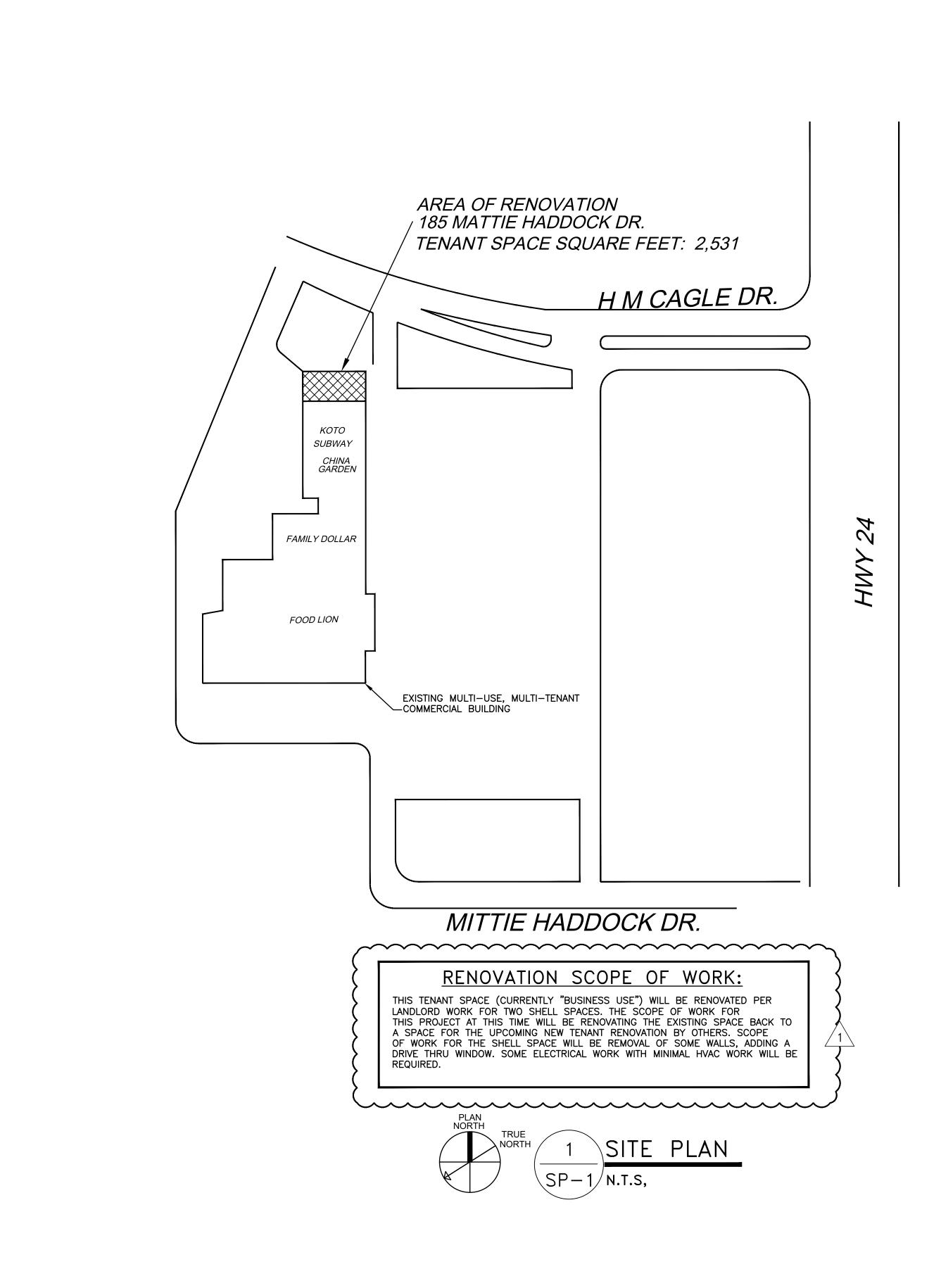








SPACES . 28326





SPACES 2. 28326

PARTIAL

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

78'-0"

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

LIFE SAFETY - EGRESS PLAN 1 2'_

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

THIS AREA.

LS1

OPEN FLOOR 100 BUSINESS

ETROLLO EM

	S	PRINKLERED(I)		NON	SPRINKLERE)
GROUP	EXIT ENCLOSURES AND EXIT PASSAGEWAYS(a,b)		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	В	С	А	A(d)	С
B, E, M, R-1	В	C(m)	С	А	В	С

- 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.

RESTROOM

BUSINESS

ELEC. RM.

ACCESSORY

BREAK ROOM

101

BUSINESS 160 SF

- 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
- 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. CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ADMINISTRATIVE SPACES.
 CLASS C INTERIOR FINISH MATERIALS SHALL BE PERMITTED IN ROOMS WITH A CAPACITY OF FOUR PERSONS OR LESS
- 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

ENTRY AREA

106 BUSINESS 188 SF

OFFICE

104

BUSINESS

k. FINISH MATERIALS AS PROVIDED FOR IN OTHER SECTIONS OF THIS CODE.

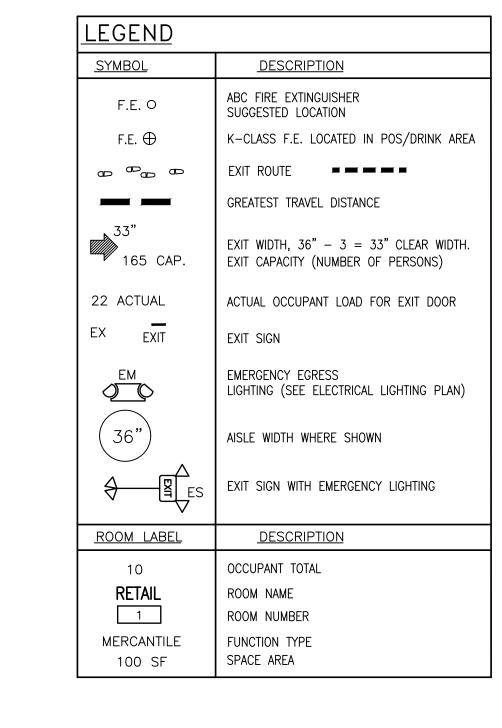
I. APPLIES WHEN PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2.

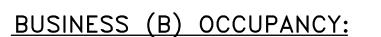
OFFICE

105

BUSINESS 80 SF

m. CORRIDORS IN AMBULATORY CARE FACILITIES SHALL BE PROVIDED WITH CLASS A OR B MATERIALS.





GROSS SQUARE FOOTAGE OF TENANT SPACE 1,625 SQ. FT. TYPE OF CONSTRUCTION: II-B

SPACE IS TO BE USED AS A BUSINESS, B,

14 ACTUAL

165 CAP.

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.

SPACES . 28326

THERE IS A FIRE SPRINKLER SYSTEM INSTALLED.

THERE IS A FIRE ALARM SYSTEM.

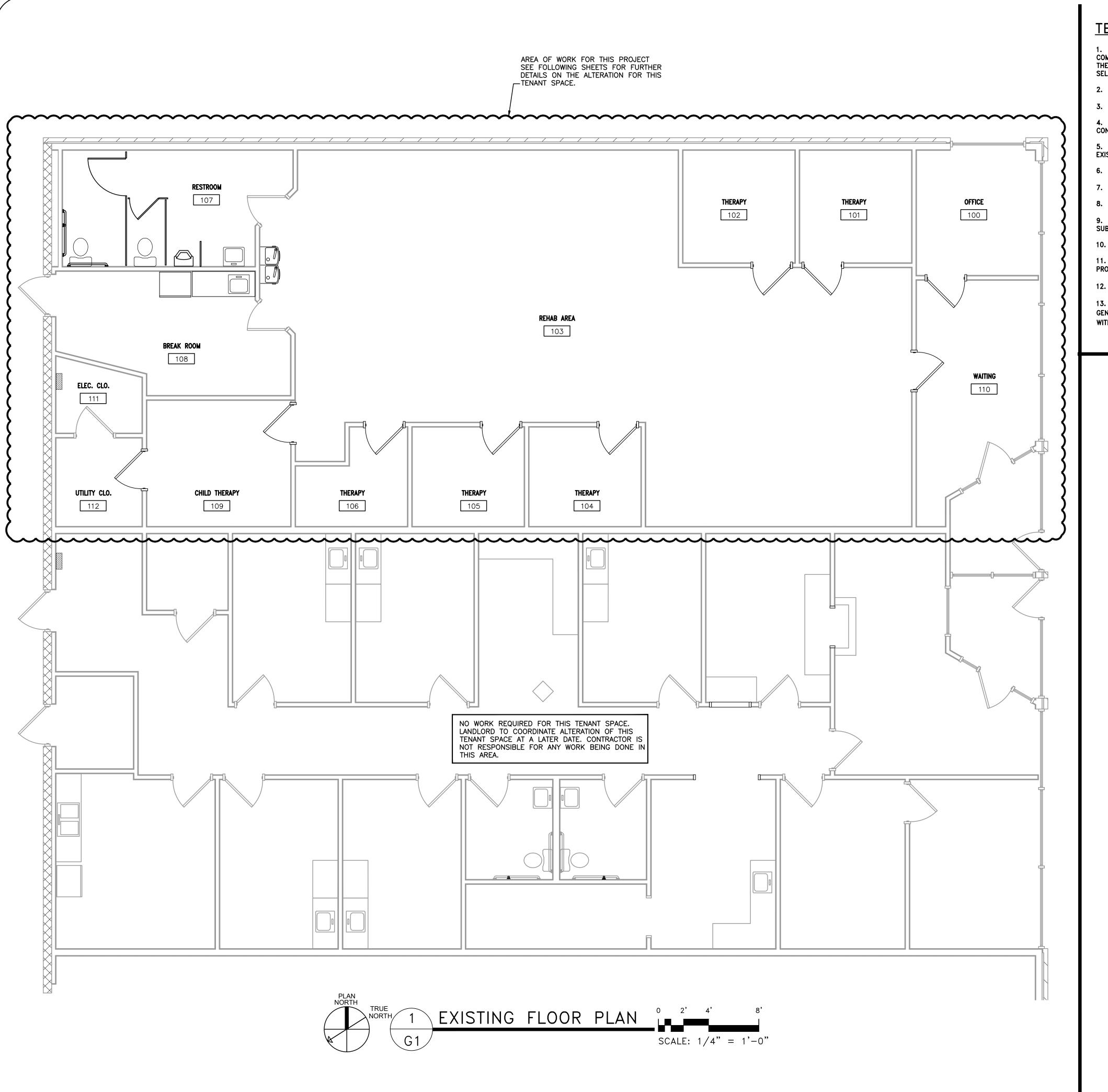
LOCK BOX FOR KEY IS INSTALLED AT FRONT ENTRANCE. (AS REQ'D.)

OCCUPANCY CLASSIFICATION per TABLE 1004 1 1

SPACE NUMB		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	2	RESTROOM	BUSINESS	100	155	2	2*
103	3	ELECTRICAL ROOM	ACESSORY	300	26	1	1
104	1	OFFICE	BUSINESS	100	80	1	1
105	5	OFFICE	BUSINESS	100	80	1	1
106	6	ENTRY AREA	BUSINESS	100	188	2	2
Α	TOTAL	OCCUPANT COUNT CALCUL	ATED BY SPACES		1,517	18	14
		OCCUPANT COUNT CALCUL SF (1,625/100)	ATED FOR BUSINE	SS USE		17	LARGER OF A OR B
THE E		S CAPACITY SHALL BE BASE	D UPON OCCUPA	NT LOAD OF		18	18

THIS BUILDING IS FULLY PROTECTED BY FIRE SPRINKLERS

SPA(NUM		CURRENT SPACE USE	FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	ROOM AREA (SF)	EGRESS OCCUPANCY TOTAL (CALCULATED)	BUILDING OCCUPANT TOTAL (ACTUAL)
10	00	OPEN FLOOR	BUSINESS	100	828	9	9
10)1	BREAK ROOM	BUSINESS	100	160	2	2*
10)2	RESTROOM	BUSINESS	100	155	2	2*
10	3	ELECTRICAL ROOM	ACESSORY	300	26	1	1
10)4	OFFICE	BUSINESS	100	80	1	1
10	5	OFFICE	BUSINESS	100	80	1	1
10)6	ENTRY AREA	BUSINESS	100	188	2	2
Α	TOTAL	OCCUPANT COUNT CALCU	ATED BY SPACES	•	1,517	18	14
В		OCCUPANT COUNT CALCUI SF (1,625/100)	ATED FOR BUSINE	SS USE		17	LARGER O A OR B
	EGRES PERSON	S CAPACITY SHALL BE BAS	ED UPON OCCUPA	NT LOAD OF	_	18	18



TENANT SPACE ALTERATION GENERAL NOTES

- 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

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

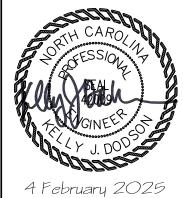
TENANT SPACE FOR FUTURE USE NO WORK TO EXISTING HVAC UNIT IN TENANT SPACE BEING ALTERED FOR NEW

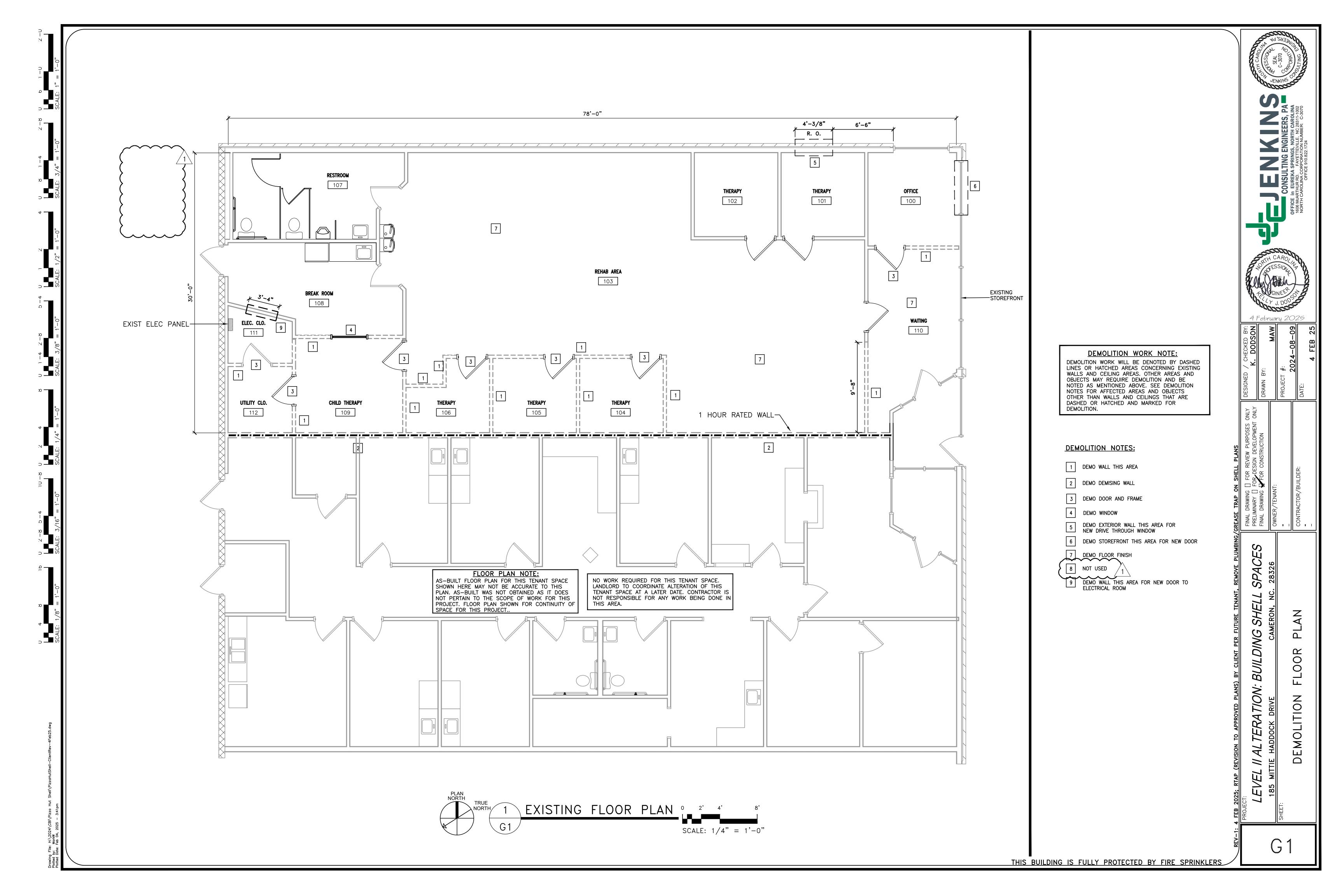
ADD NEW RECEPTACLES IN NEW DEMISING WALL. UTILIZE EXISTING CIRCUIT

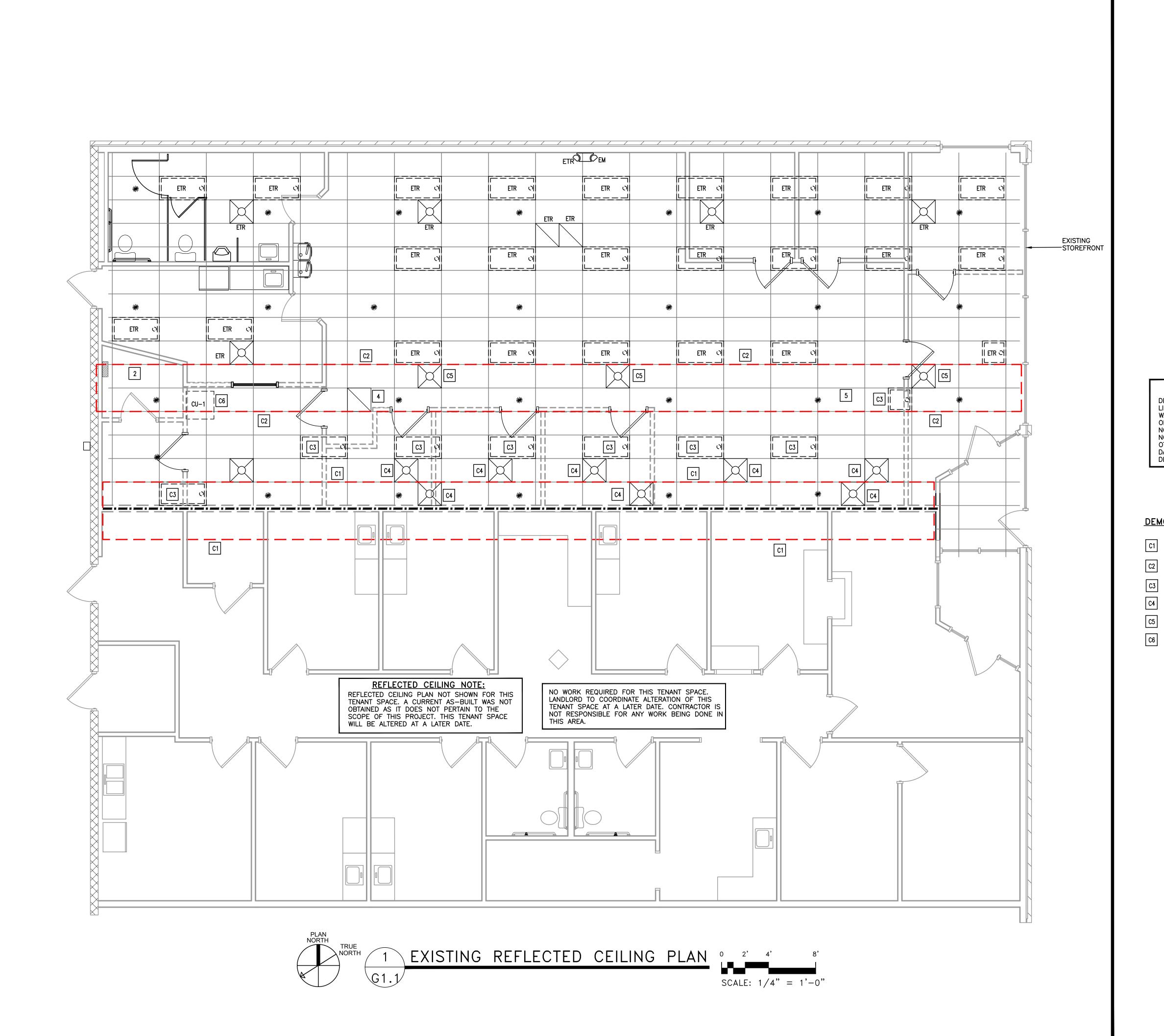
NO LIGHTING WORK REQUIRED IN ALTERED TEMANT SPACE

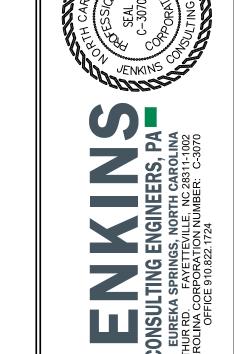
REMOVING SCOPE OF WORK PER LANDLORD/CLIENT. GREASE TRAP WILL BE INSTALLED BY FUTURE TENANT AT LATER DATE.

-FINSHES APPLICATION OF GYPSUM BOARD, VINYL BASE, PAINT TO INTERIOR OF SPACE









SESSION FALLS OF SESSION OF SESSI

4 February 2025 MAM 60-80-

DEMOLITION WORK NOTE:

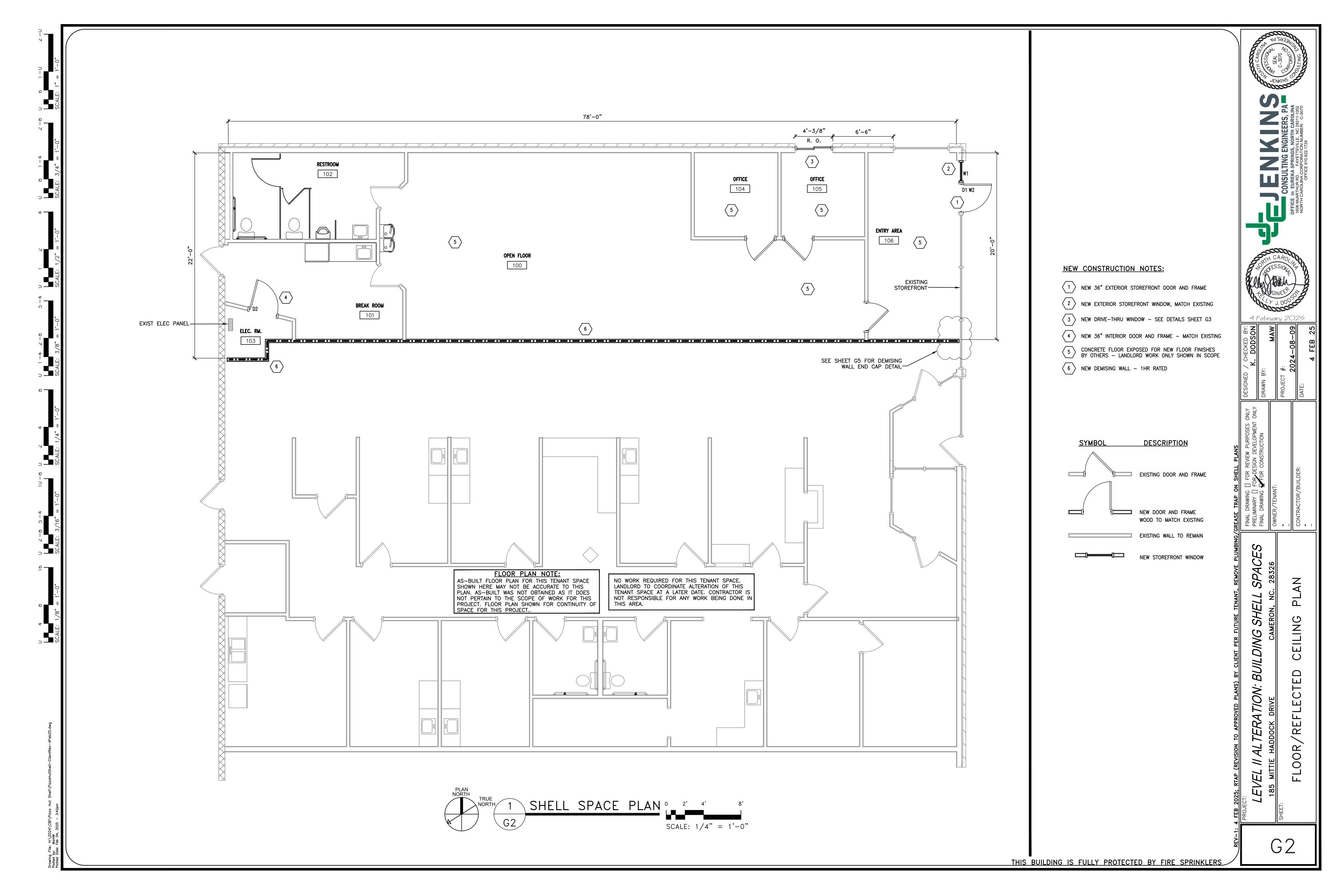
DEMOLITION WORK WILL BE DENOTED BY DASHED LINES OR HATCHED AREAS CONCERNING EXISTING WALLS AND CEILING AREAS. OTHER AREAS AND OBJECTS MAY REQUIRE DEMOLITION AND BE NOTED AS MENTIONED ABOVE. SEE DEMOLITION NOTES FOR AFFECTED AREAS AND OBJECTS OTHER THAN WALLS AND CEILINGS THAT ARE DASHED OR HATCHED AND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

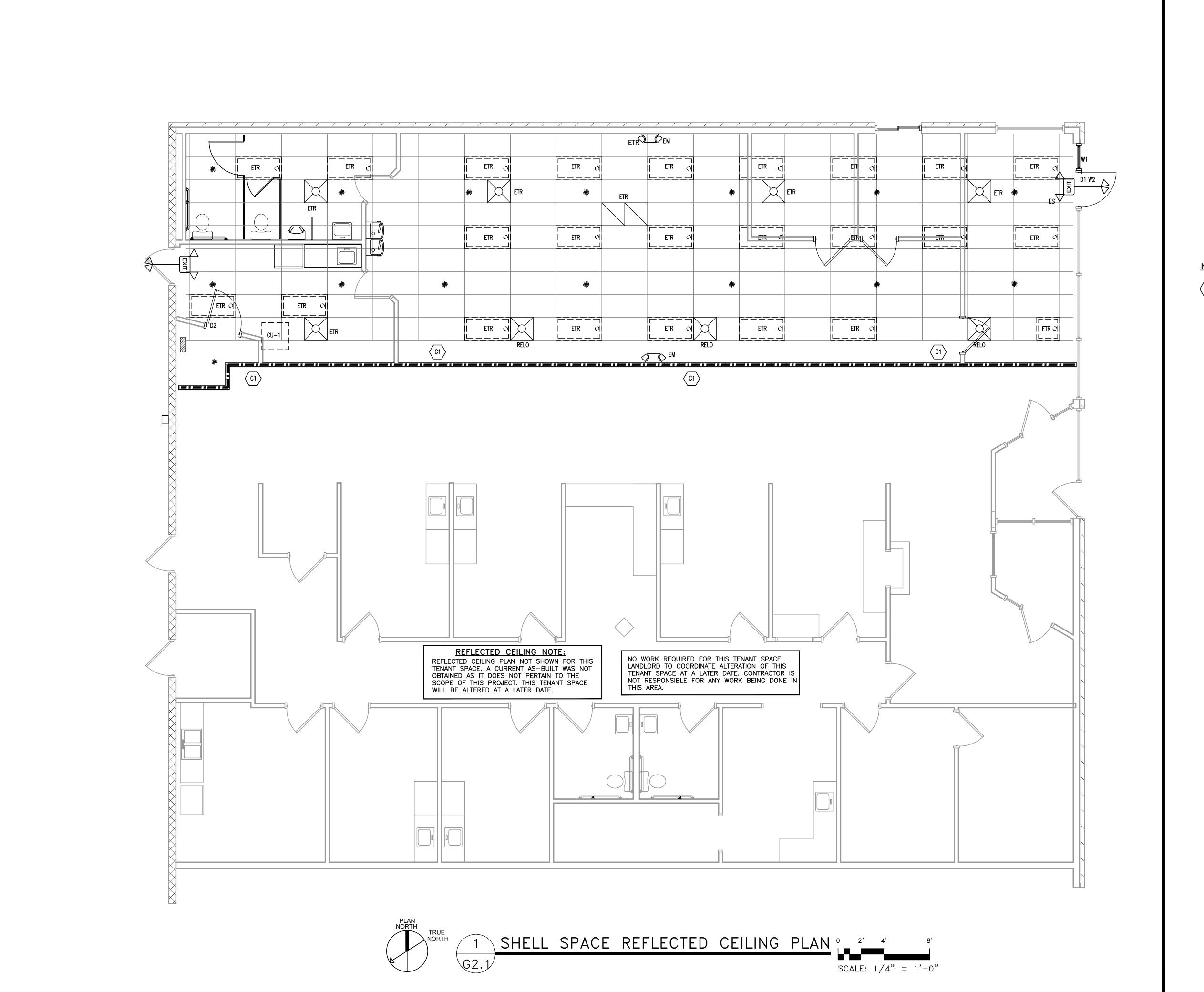
DEMOLITION REFLECTED CEILING NOTES:

- 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

RTAP (REVISION TO APPROVED PLANS) BY CLIENT PER FUTURE TENANT, REMOVE PLUMBING/G
VEL II AL TERATION: BUILDING SHELL SPACES

G1.





NEW REFLECTED CEILING NOTES:

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

NOTES FOR CEILING WORK:

1. EXISTING CEILING TO REMAIN. ALL LIGHT FIXTURES, SUPPLY DIFFUSERS, RETURN GRILLES AND SPRINKLER HEADS TO REMAIN AS WELL UNLESS OTHERWISE NOTED ON PLANS.

2. 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.

3. 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 DIFFUS

EXIS

EXISTING LIGHT FIXTU

₩ EXISTING SPRINKLER HEAD

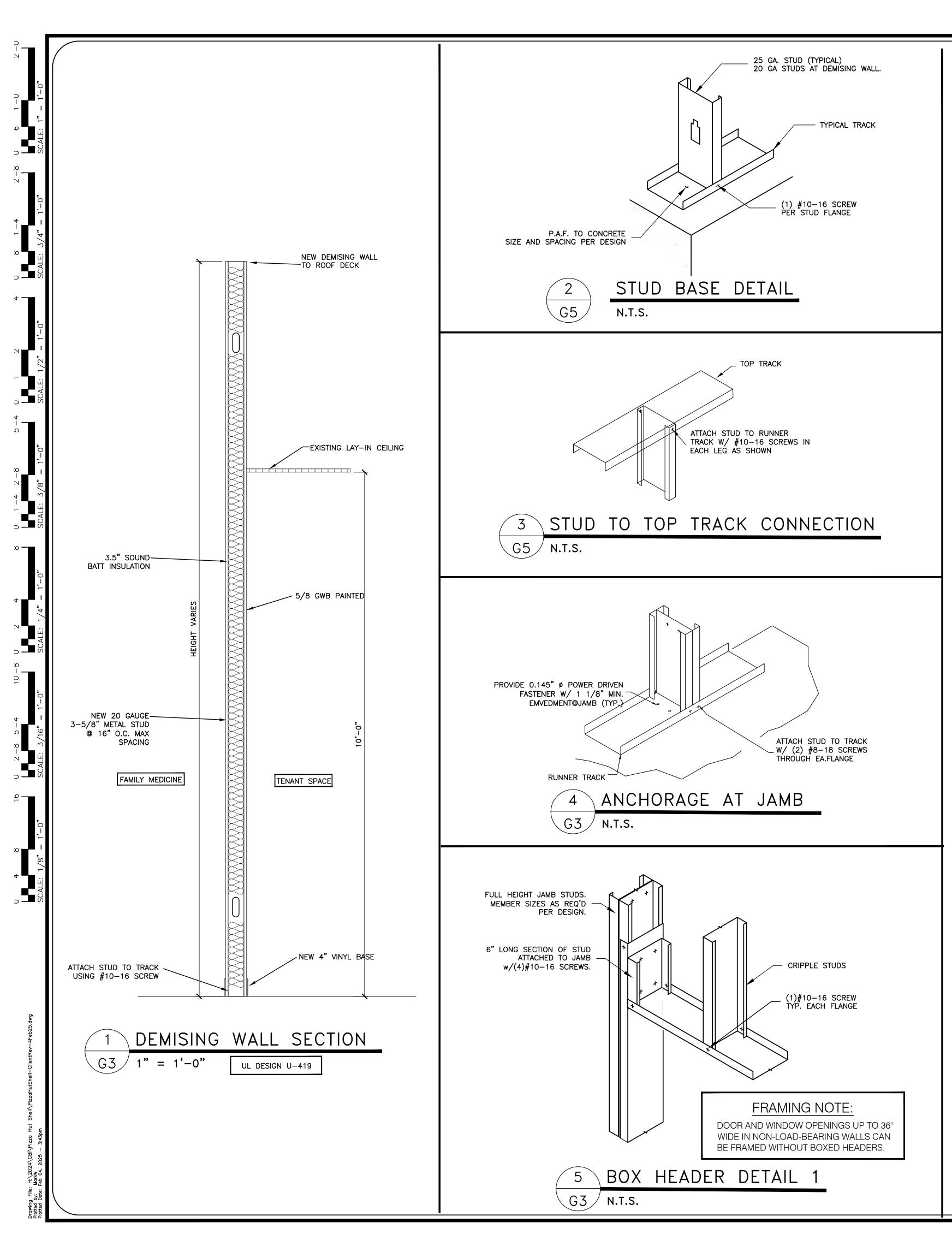
ETR: EXISTING TO REMAIN

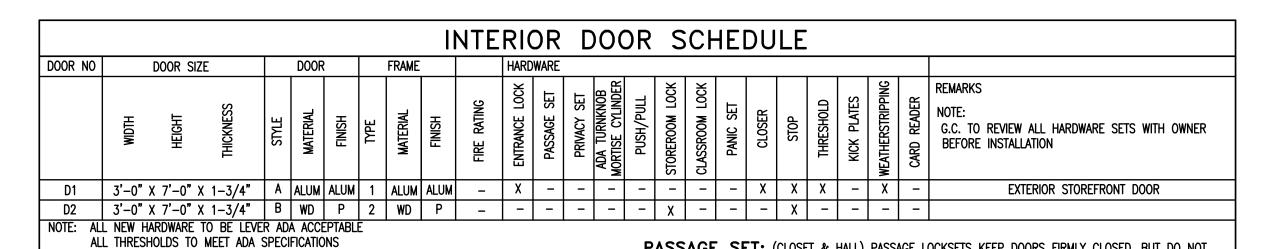
RELO: RELOCATED TO NEW LOCATION SEE DESIGNATED SHEET FOR NEW LOCATION FEB 2025; RTAP (REVISION TO APPROVED PLANS) BY CLIENT PER FUTURE PROJECT:

LEVEL II ALTERATION: BUILDING SHI
185 MITTIE HADDOCK DRIVE

CAMERON

G2.





NOTES:

1. APPLY 2 COATS OF SEMI-GLOSS TO ALL WOOD DOORS.

2. ALL EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OF EFFORT. ALL HARDWARE MUST CYLINDER LOCK:

BE DIRECT ACTING REQUIRING NOT MORE THAN ONE OPERATION.

CYLINDER LOCK:

LEVER REMAINS LOCKED UNTIL UNLOCKED WITH A KEY FROM THE OUTSIDE OR BY ROTATING THE INSIDE LEVER TRIM. THE INSIDE KNOB OR LEVER IS ALWAYS FREE IMMEDIATE EXIT. TURNKNOB LOCKSETS ARE LOCKED WITH AN INSIDE PUSH-BUTTON OR LATCH. THE OUTSIDE

CAN BE USED AS AN EMERGENCY KEY, FROM THE OUTSIDE, IF NECESSARY.

PASSAGE SET: (CLOSET & HALL) PASSAGE LOCKSETS KEEP DOORS FIRMLY CLOSED, BUT DO NOT

PRIVACY SET: (RESTROOM) PRIVACY LOCKSETS ARE LOCKED WITH AN INSIDE PUSH-BUTTON.

PROVISION FOR A KEY.

DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS PINTRANCE ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH TRANCE ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR PER ICC/ANSI A117.1—2009 SECTIONS 404.2.6& 404.2.7

IMMEDIATE EXIT.

(ENTRY) ENTRANCE LOCKED BY PUSHING AND TURNING A BUTTON AND UNLOCKED BY THE KEY UNTIL THE INSIDE BUTTON IS MANUALLY UNLOCKED. THEY ARE ALSO AVAILABLE WITH PUSHBUTTON LOCKING, IN WHICH PUSHING THE BUTTON LOCKS THE INSIDE KNOB OR LEVER UNTIL IT IS UNLOCKED BY KEY OR BY TURNING THE INSIDE KNOB OR LEVER. THE INSIDE KNOB OR LEVER. THE INSIDE KNOB OR LEVER IS ALWAYS FREE FOR AVAILABLE WITH PUSHBUTTON LOCKING, IN WHICH PUSHING THE BUTTON LOCKS THE

INSIDE KNOB OR LEVER. THE INSIDE KNOB OR LEVER IS ALWAYS FREE FOR

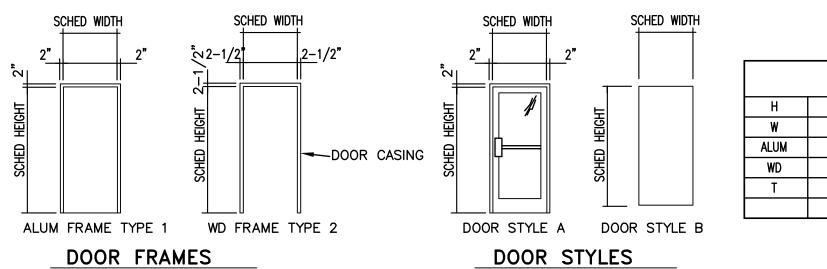
ACTUALLY LOCK. BOTH LEVERS ALWAYS TURN FREE WITH NO LOCK CYLINDER OR

TURNING THE INSIDE KNOB OR LEVER RELEASES THE LOCK. A SMALL SCREWDRIVER

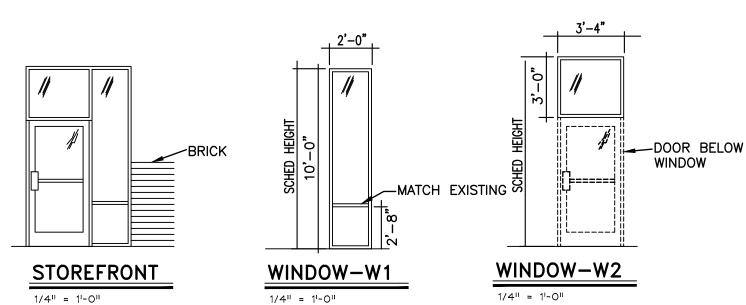
4. G.C. TO REVIEW ALL HARDWARE SETS WITH OWNER BEFORE INSTALLATION

CLASSROOM LOCKSETS ALWAYS HAVE THE INSIDE KNOB OR LEVER UNLOCKED. THE

STOREROOM LOCK: STOREROOM LOCKSETS ALWAYS HAVE THE INSIDE KNOB OR LEVER UNLOCKED. THE OUTSIDE KNOB OR LEVER IS FIXED: THE LATCH IS RETRACTED BY THE KEY FROM



	DOOR SCHE	EDUL	E LEGEND
Н	HEIGHT	НМ	HOLLOW METAL
W	WIDE	Р	PAINT
ALUM	ALUMINUM	S	STAIN
WD	WOOD-SOLID CORE	М	METAL
T	THICKNESS	WI	WROUGHT IRON
		VA/B	VERIFY ANODIZED OR BRONZE



1				
		WINDOW	SCHEDUL	.E
	WINDOW NO	WINDOW SIZE	FRAME MATERIAL	REMARKS
BELOW	W1	2'-4" x 10'-0"	ALUM	
DW	W2	3'-0" x 3'-0"	ALUM	WINDOW ABOVE DOOR
	NOTES	<u>;</u>	•	

FINISH SELECTION PER SPECIFICATION THIS PAGE
 MATCH EXISTING STOREFRONT WINDOW AND DOOR, PROVIDE TEMPERED SAFETY GLAZING WHERE REQUIRED

	B.4. 410	NET	FLOOR	BASE	WALLS	WALL	CEILING MAT.	CEILING HEIGHT	DELABIG
ROOM NAME	RM NO.	SQ. FT.	1 2001	(EXIST)	WALLS	RATING	(EXISTING)	(EXIST)	REMARKS
OPEN FLOOR	100	1198	CONC	VINYL	GYP.BD/PT	-	ACOUSTIC	10'-0"	
BREAK ROOM	101	160	CONC	VINYL	GYP.BD/PT	-	ACOUSTIC	10'-0"	
RESTROOM	102	155	CONC	VINYL	GYP.BD/PT	-	ACOUSTIC	10'-0"	
ELECTRICAL ROOM	103	26	CONC	VINYL	GYP.BD/PT	-	ACOUSTIC	10'-0"	
OFFICE	104	80	CONC	VINYL	GYP.BD/PT	-	ACOUSTIC	10'-0"	
OFFICE	105	80	CONC	VINYL	GYP.BD/PT	-	ACOUSTIC	10'-0"	
ENTRY AREA	106	188	CONC	VINYL	GYP.BD/PT	-	ACOUSTIC	10'-0"	

/.C.T. CONC. COMP. GYP. BD.	VINYL COMPOSITION TILE CONCRETE COMPOSITION GYPSUM BOARD ANODIZED ALUMINUM	ACOUSTIC SV	PAINTED CONCRETE MASONRY UNIT ACOUSTICAL SHEET VINYL STAINLESS STEEL	SC RU	VINYL WALLCOVERING SEALED CONCRETE RUBBER CERAMIC TILE WAINSCOT	PNL WD ST	MOSAIC TILE PANELING WOOD STEEL FIRE RESISTANT PANEL	PAVERS	VINYL PLANK BRICK PAVERS CARPET U-305 LUXURY VINYL TILE
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BUIL TERATION:

G3

SCHEDULI

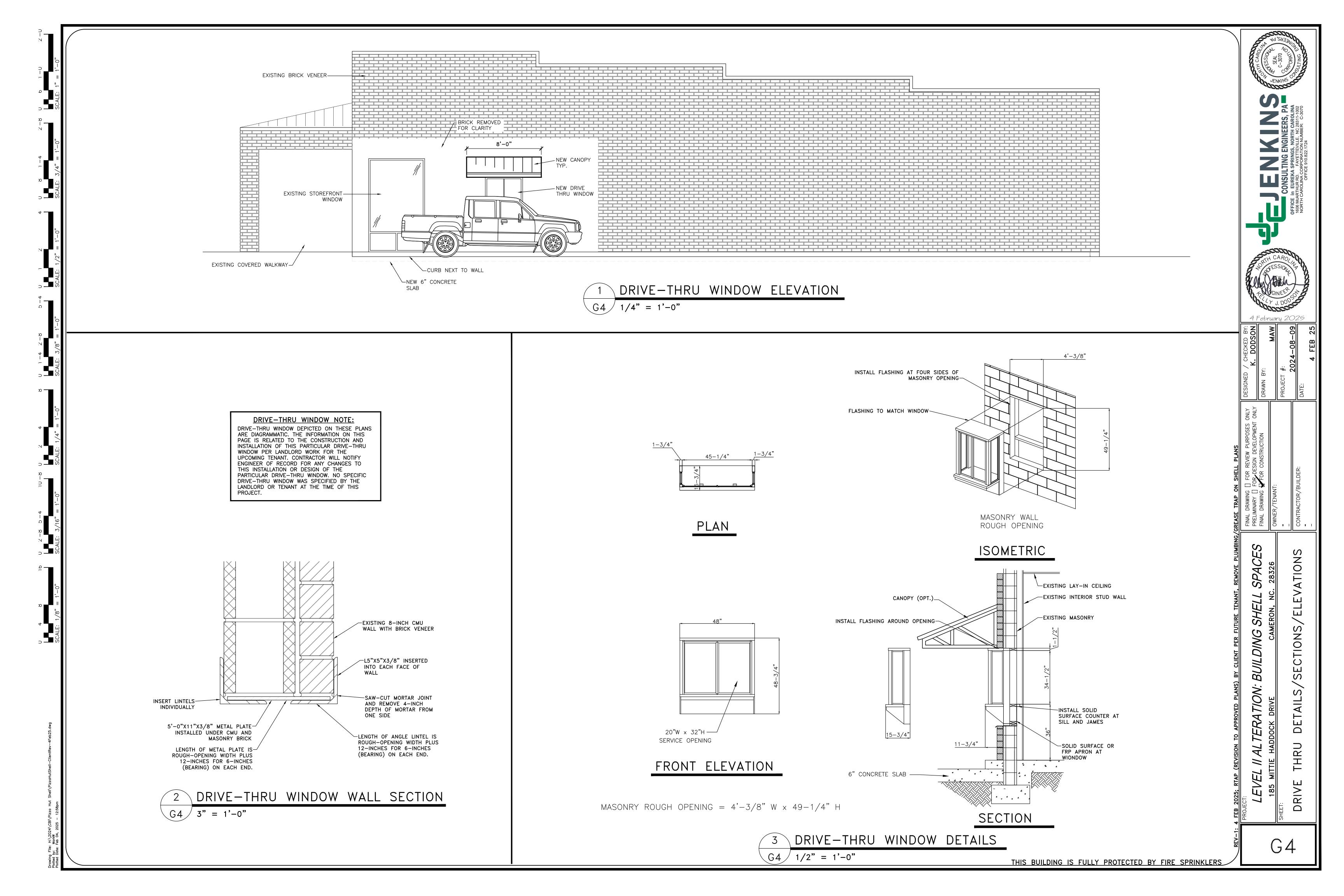
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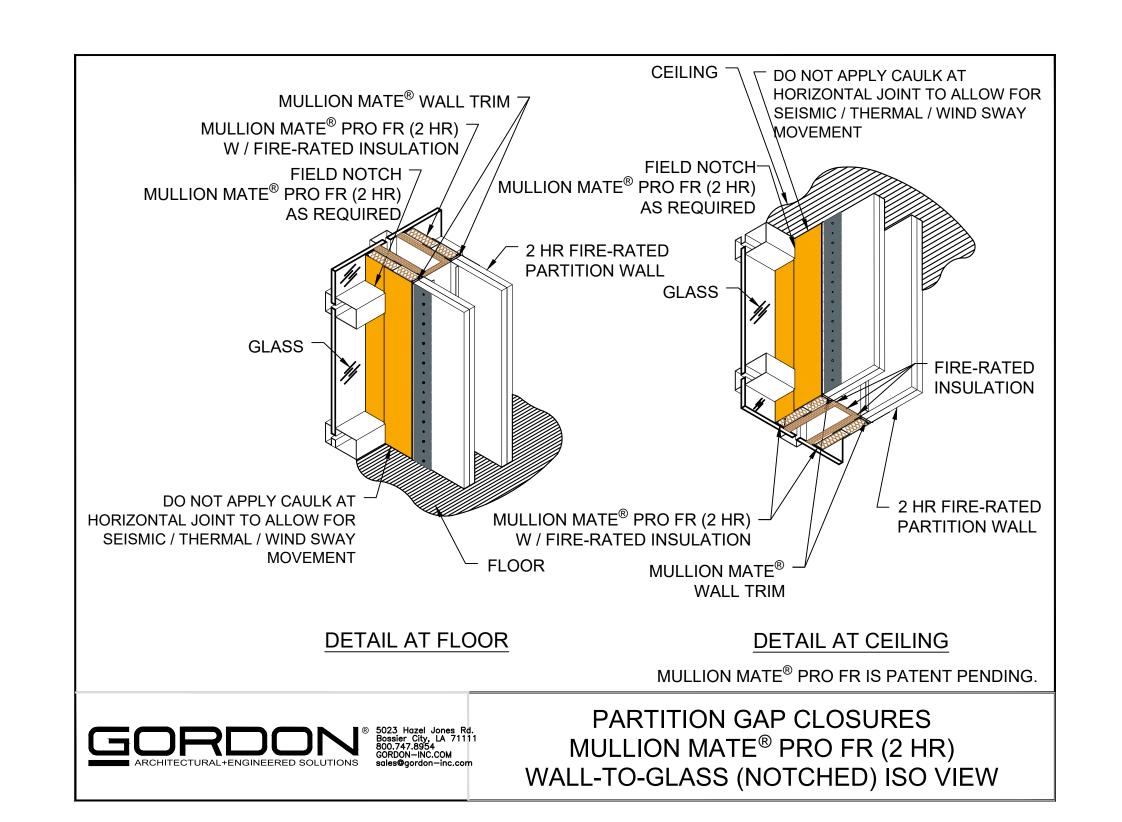
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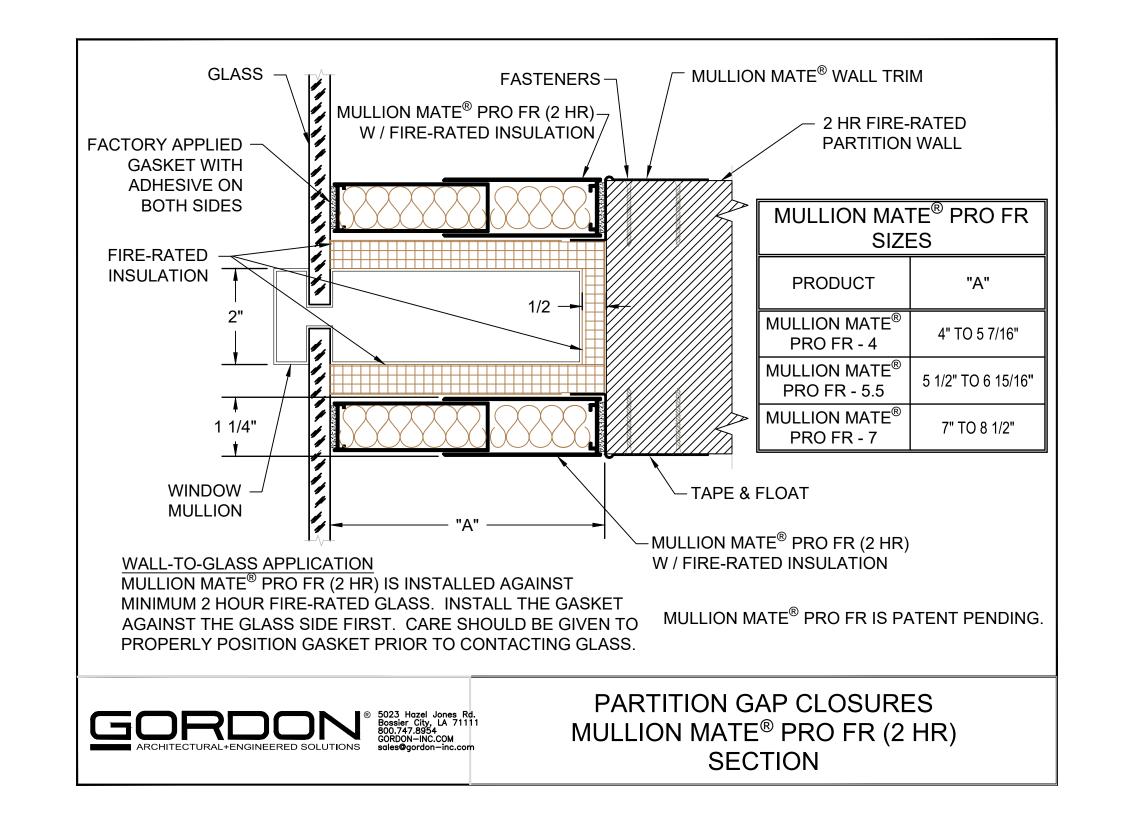
SECTION

RAMING/

SPACES



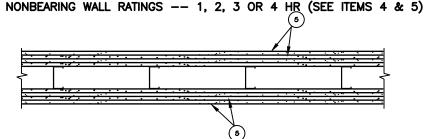




DEMISING WALL DETAIL NOTE:

NEW DEMISING WALL BE BUILT AND BUTT AGAINST EXISTING STOREFRONT GLASS WINDOWS. THIS SHEET SHOWS DETAILS ON CLOSING THE GAP BETWEEN THE DEMISING WALL AND GLASS. CONTRACTOR WILL USE THIS PRODUCT OR SIMILAR TO ENSURE PROPER CLOSURE OF THE DEMISING WALL BETWEEN SPACES.

SPACES ETAIL VG SHELL CAMERON, NC. BUILDING TERATION: ADDOCK DRIVE EMISING



1. FLOOR AND CEILING RUNNERS -- (NOT SHOWN) -- FOR USE WITH ITEM 2 - CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN WIDTH TO ACCOMMODATE STUD SIZE, WITH MIN 1 IN. LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

> 1A. FLOOR AND CEILING RUNNERS* -- NOT SHOWN - IN LIEU OF ITEM 1 -- FOR USE WITH ITEM 2A, PROPRIETARY CHANNEL SHAPED, MIN. 3-5/8 IN. WIDE WITH 1 IN. LONG LEGS, FABRICATED FROM MIN. 0.0150 IN. (0.0146 IN., MIN BARE METAL THICKNESS) GALVANIZED STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS 24 IN. OC MAX.

DIETRICH INDUSTRIES INC -- ULTRASTEEL?.

1B. FLOOR AND CEILING RUNNERS -- (NOT SHOWN - IN LIEU OF ITEM FOR-USE WITH ITEM 2A, PROPRIETARY CHANNEL SHAPED, MIN. 2-9/16 IN. WIDE WITH 1-3/16 IN. WIDE FLANGES, FABRICATED FROM MIN. 0.0150 IN. GALVANIZED STEEL, ATTACHED TO FLOOR AND CEILING FASTENERS 24

DIETRICH INDUSTRIES INC -- ULTRASTEEL?.

CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN WIDTH AS INDICATED UNDER ITEM 5, MIN 1-1/4 IN. FLANGES AND 1/4 IN. RETURN, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT.

IN LIEU OF ITEM 2 - PROPRIETARY CHANNEL SHAPED STUDS, MIN. WIDTH AS 2A. STEEL STUDS* --INDICATED UNDER ITEM 5, MIN. 1-1/4 IN. LONG LEGS AND 1/4 IN. LONG FOLDED BACK RETURN FLANGE LEGS, FABRICATED FROM MIN. 0.0155 IN. (0.0149 IN., MIN BARE METAL THICKNESS) GALVANIZED STEEL, SPACED A MAX OF 24 IN. OC. STUDS TO BE CUT 3/8 TO 3/4 IN. LESS THAN ASSEMBLY HEIGHT. ALLOWABLE USE OF STUDS IS SHOWN IN THE TABLE BELOW. FOR DIRECT ATTACHMENT OF GYPSUM BOARD

DIETRICH INDUSTRIES INC -- ULTRASTEEL?.

2B. STEEL STUDS --(AS AN ALTERNATE TO ITEM 2, FOR USE WITH ITEM 5B) CHANNEL SHAPED, FABRICATED FROM MIN 20 MSG (0.0327 IN. THICK) CORROSION-PROTECTED OR GALV STEEL, 3-1/2 IN. MIN WIDTH, MIN 1-1/2 IN. FLANGES AND 1/4 IN. RETURN, SPACED A MAX OF 16 IN. OC. STUDS FRICTION-FIT INTO FLOOR AND CEILING RUNNERS. STUDS TO BE CUT 5/8 TO 3/4 IN. LESS THAN ASSEMBLY

3. WOOD STRUCTURAL PANEL SHEATHING -- (OPTIONAL, FOR USE WITH ITEM 5 ONLY.)- (NOT SHOWN) -4 FT WIDE, 7/16 IN. THICK ORIENTED STRAND BOARD (OSB) OR 15/32 IN. THICK STRUCTURAL SHEATHING (PLYWOOD) COMPLYING WITH DOC PS1 OR PS2, OR APA STANDARD PRP-108, MANUFACTURED WITH EXTERIOR GLUE, APPLIED HORIZONTALLY OR VERTICALLY TO THE STEEL STUDS. VERTICAL JOINTS CENTERED ON STUDS, AND STAGGERED ONE STUD SPACE FROM WALLBOARD JOINTS. ATTACHED TO STUDS WITH FLAT-HEAD SELF-DRILLING TAPPING SCREWS WITH A MIN. HEAD DIAM. OF 0.292 IN. AT MAXIMUM 6 IN. OC. IN THE PERIMETER AND 12 IN. OC. IN THE FIELD.

4. BATTS AND BLANKETS* -- (REQUIRED AS INDICATED UNDER ITEM 5) -- MINERAL WOOL BATTS, FRICTION FITTED BETWEEN STUDS AND RUNNERS. MIN NOM THICKNESS AS INDICATED UNDER ITEM 5. SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

4A. BATTS AND BLANKETS* --(OPTIONAL) -- PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE. SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES.

GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. VERTICAL JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED ONE STUD CAVITY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS IN ADJACENT LAYERS (MULTILAYER SYSTEMS) STAGGERED A MIN OF 12 IN. THE THICKNESS AND NUMBER OF LAYERS FOR THE 1 HR, 2 HR, 3 HR AND 4 HR RATINGS ARE AS

WALLBOARD PROTECTION ON EACH SIDE OF WALL

TYPES IP-X3 OR ULTRACODE

RATING	MIN	MIN	NO. OF	MIN
	STUD	STUD	LAYERS	THKNS OF
	DEPTH,	DEPTH,	& THKNS	INSULATION
	ITEM 2	ITEM 2A	OF PANEL	(ITEM 4)
1 1 1 2 2 2 2 3 3 3 4 4 4	3-1/2 2-1/2 1-5/8 1-5/8 1-5/8 3-1/2 1-5/8 1-5/8 1-5/8 1-5/8 2-1/2	3-5/8 3-5/8 3-5/8 2-1/2 2-1/2 3-5/8 2-1/2 2-1/2 2-1/2 2-1/2 2-1/2 2-1/2	1 LAYER, 5/8 IN. THICK 1 LAYER, 1/2 IN. THICK 1 LAYER, 3/4 IN. THICK 2 LAYERS, 1/2 IN. THICK 2 LAYERS, 5/8 IN. THICK 1 LAYER, 3/4 IN. THICK 3 LAYERS, 1/2 IN. THICK 2 LAYERS, 3/4 IN. THICK 2 LAYERS, 5/8 IN. THICK 4 LAYERS, 5/8 IN. THICK 4 LAYERS, 1/2 IN. THICK 5 LAYERS, 1/2 IN. THICK 6 LAYERS, 3/4 IN. THICK 7 LAYERS, 3/4 IN. THICK	OPTIONAL 1-1/2 IN. OPTIONAL OPTIONAL 3 IN. OPTIONAL OPTIONAL OPTIONAL OPTIONAL OPTIONAL OPTIONAL OPTIONAL 2 IN.

CANADIAN GYPSUM COMPANY --1/2 IN. THICK TYPE C, IP-X2 OR IPC-AR; WRC, 5/8 IN. THICK TYPE AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX OR WRC; 3/4 IN. THICK TYPES IP-X3 OR ULTRACODE

UNITED STATES GYPSUM CO --1/2 IN. THICK TYPE C, IP-X2, IPC-AR OR WRC; 5/8 IN. THICK TYPE SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 IN. THICK

USG MEXICO S A DE C V -- 1/2 IN. THICK TYPE C, IP-X2, IPC-AR OR WRC; 5/8 IN. THICK TYPE AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC OR; 3/4 IN. THICK TYPES IP-X3 OR ULTRACODE

> WHEN ITEM 7B, STEEL FRAMING MEMBERS*, IS USED, NONBEARING WALL RATING IS LIMITED TO 1 HR. MIN. STUD DEPTH IS 3-1/2 IN., MIN. THICKNESS OF INSULATION (ITEM 4) IS 3 IN., AND TWO LAYERS OF GYPSUM BOARD PANELS (1/2 IN. OR 5/8 IN. THICK) SHALL BE ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 6. ONE LAYER OF GYPSUM BOARD PANELS (1/2 IN. OR 5/8 IN. THICK) ATTACHED TO OPPOSITE SIDE OF STUD WITHOUT FURRING CHANNELS AS DESCRIBED IN ITEM 6.

5A. GYPSUM BOARD* -- (AS AN ALTERNATE TO ITEM 5) -- 5/8 IN. THICK, 24 TO 54 IN. WIDE, APPLIED HORIZONTALLY AS THE OUTER LAYER TO ONE SIDE OF THE ASSEMBLY. SECURED AS DESCRIBED IN

CANADIAN GYPSUM COMPANY --

UNITED STATES GYPSUM CO --TYPE FRX-G, SHX.

USG MEXICO S A DE C V --TYPE SHX.

(AS AN ALTERNATE TO ITEM 5 WHEN USED AS THE BASE LAYER ON ONE OR 5B. GYPSUM BOARD* --BOTH SIDES OF WALL, FOR DIRECT ATTACHMENT ONLY, NOT TO BE USED WITH ITEM 3) - NOM 5/8 IN. THICK LEAD BACKED GYPSUM PANELS WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED MIN 1 STUD CAVITY ON OPPOSITE SIDES OF STUDS. WALLBOARD SECURED TO STUDS WITH 1-1/4 IN. LONG TYPE S-12 STEEL SCREWS SPACED 8 IN. OC AT PERIMETER AND 12 IN. OC IN THE FIELD. RAY-BAR ENGINEERING CORP --

(NOT SHOWN) -- FOR USE WITH ITEM 2 - TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO STUDS (ITEM 2) OR FURRING CHANNELS (ITEM 71). SINGLE LAYER SYSTEMS: LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 8 IN. OC WHEN PANELS ARE APPLIED HORIZONTALLY, OR 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLFIRST LAYER- 1TWO LAYER SYSTEMS: IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC WITH SCREWS OFFSET 8 IN. FROM FIRST LAYER. THREE-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BROLORY-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER-1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 24 IN. OC FOURTH LAYER - 2-5/8 IN. LONG FOR 1/2 IN. THICK PANELS OR 3 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW.

6A. FASTENERS -- (NOT SHOWN) --FOR USE WITH ITEM 2A - TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO STUDS (ITEM 25)NGLE LAYER SYSTEMS: 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 8-1/2 IN. OC WITH ADDITIONAL SCREWS 1 IN. AND 2-1/2 IN. FROM EDGES OF THE BOARD WHEN PANELS ARE HORIZONTALLY. OR 8 IN. OC ALONG VERTICAL AND BOTTOM EDGES AND 12 IN. OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLINIO LAYER SYSTEMS APPLIED VERTICALLINIST LAYER- 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC. SECOND LAYER-1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC WITH SCREWS OFFSET 8 IN. FROM FIRST LAYERWO LAYER SYSTEMS APPLIED HORIZONTALLYFIRST LAYER- 1 IN. LONG FOR 1/2 AND 5/8 IN. THICK PANELS OR 1-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC STARTING 8 IN. FROM EACH EDGE OF THE BOARD WITH AN ADDITIONAL SCREW PLACED 1-1/4 IN. FROM EACH EDGE OF THE BOARD. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-1/4 IN. LONG FOR 3/4 IN. THICK PANELS, SPACED 16 IN. OC STARTING 8 IN. FROM EACH EDGE OF THE BOARD WITH AN ADDITIONAL SCREW PLACED 1-1/4 IN. FROM EACH EDGE OF THE BOARD WITH SCREWS OFFSET 8 IN. FROM FIRSTTHREER-LAYER SYSTEMS: FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER-1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. FOR ALL LAYERS, AN ADDITIONAL SCREW SHALL BE PLACED 1-1/4 IN. FROM EACH EDGE OF THE BOARDUR-LAYER SYSTEMS:FIRST LAYER- 1 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. SECOND LAYER- 1-5/8 IN. LONG FOR 1/2 IN., 5/8 IN. THICK PANELS, SPACED 24 IN. OC. THIRD LAYER- 2-1/4 IN. LONG FOR 1/2 IN. THICK PANELS OR 2-5/8 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 24 IN. OC. FOURTH LAYER- 2-5/8 IN. LONG FOR 1/2 IN. THICK PANELS OR 3 IN. LONG FOR 5/8 IN. THICK PANELS, SPACED 12 IN. OC. SCREWS OFFSET MIN 6 IN. FROM LAYER BELOW. FOR ALL LAYERS, AN ADDITIONAL SCREW SHALL BE PLACED 1-1/4 IN. FROM EACH EDGE OF THE BOARD.

7. FURRING CHANNELS -- (OPTIONAL, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS) --RESILIENT FURRING CHANNELS FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, SPACED VERTICALLY A MAX OF 24 IN. OC. FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN.

LONG TYPE S-12 STEEL SCREWS, NOT FOR USE WITH ITEM 5A. 7A. STEEL FRAMING MEMBERS (NOT SHOWN)* -- (OPTIONAL ON ONE OR BOTH SIDES, NOT SHOWN, FOR SINGLE OR DOUBLE LAYER SYSTEMS) -- AS AN ALTERNATE TO ITEM 7, FURRING CHANNELS AND STEEL FRAMING MEMBERS AS DESCRIBED BELOW:

A. FURRING CHANNELS -- FORMED OF NO. 25 MSG GALV STEEL. 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED MAX. 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 6. NOT FOR USE WITH

B. STEEL FRAMING MEMBERS* -- USED TO ATTACH FURRING CHANNELS (ITEM 7AA) TO STUDS (ITEM 2). CLIPS SPACED MAX. 48 IN. OC. RSIC-1 CLIPS SECURED TO STUDS WITH NO. 8 X 1-1/2 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER GROMMET. RSIC-V CLIPS SECURED TO STUDS WITH NO. 8 X 9/16 IN. MINIMUM SELF-DRILLING, S-12 STEEL SCREW THROUGH THE CENTER HOLE. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

PAC INTERNATIONAL INC -- TYPES RSIC-1, RSIC-V.

A. FURRING CHANNELS -- FORMED OF NO. 25 MSG GALV STEEL, SPACED 24 IN. OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B. BATTS AND BLANKETS PLACED IN STUD CAVITY AS DESCRIBED IN ITEM 5. TWO LAYERS OF GYPSUM BOARD ATTACHED TO FURRING CHANNELS AS DESCRIBED IN ITEM 5. NOT FOR USE WITH ITEM 5A.

CHANNELS AND STEEL FRAMING MEMBERS ON ONLY ONE SIDE OF STUDS AS DESCRIBED BELOW:

B. STEEL FRAMING MEMBERS* -- USED TO ATTACH FURRING CHANNELS (ITEM 7BA) TO ONE SIDE OF STUDS (ITEM 2) ONLY. CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH TWO NO. 8 X 2-1/2 IN. COARSE DRYWALL SCREWS, ONE THROUGH THE HOLE AT EACH END OF THE CLIP. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

KINETICS NOISE CONTROL INC --

8. JOINT TAPE AND COMPOUND -- VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUTER LAYERS. PAPER TAPE, NOM 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS OF OUTER LAYER PANELS. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM PANELS ARE SUPPLIED WITH A SQUARE EDGE.

9. SIDING, BRICK OR STUCCO -- (OPTIONAL, NOT SHOWN) -- ALUMINUM, VINYL OR STEEL SIDING, BRICK VENEER OR STUCCO, MEÈTING THE REQUIREMENTS OF LOCAL CODE AGENCIES, INSTALLED OVER GYPSUM PANELS. BRICK VENEER ATTACHED TO STUDS WITH CORRUGATED METAL WALL TIES ATTACHED TO EACH STUD WITH STEEL SCREWS, NOT MORE THAN EACH SIXTH COURSE OF BRICK.

10. CAULKING AND SEALANTS* -- (OPTIONAL, NOT SHOWN) -- A BEAD OF ACOUSTICAL SEALANT APPLIED AROUND THE PARTITION PERIMETER FOR SOUND CONTROL.

7B. STEEL FRAMING MEMBERS (OPTIONAL, NOT SHOWN)* --

UNITED STATES GYPSUM CO -- TYPE AS

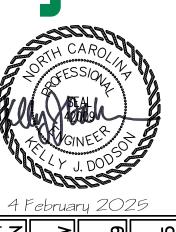
11. LEAD BATTEN STRIPS -- (NOT SHOWN, FOR USE WITH ITEM 5B) - LEAD BATTEN STRIPS, MIN 1-1/2 IN. WIDE. MAX 10 FT LONG WITH A MAX THICKNESS OF 0.125 IN. STRIPS PLACED ON THE INTÉRIOR FACE OF STUDS AND ATTACHED FROM THE EXTERIOR FACE OF THE STUD WITH TWO 1 IN. LONG TYPE S-12 PAN HEAD STEEL SCREWS, ONE AT THE TOP OF THE STRIP AND ONE AT THE BOTTOM OF THE STRIP. LEAD BATTEN STRIPS TO HAVE A PURITY OF 99.9 QQ-L-201F, GRADE "C". LEAD BATTEN STRIPS REQUIRED BEHIND VERTICAL JOINTS OF LEAD BACKED GYPSUM WALLBOARD (ITEM 5B) AND OPTIONAL AT REMAINING STUD LOCATIONS. REQUIRED BEHIND VERTICAL

12. LEAD DISCS OR TABS -- (NOT SHOWN, FOR USE WITH ITEM 5B) - USED IN LIEU OF OR IN ADDITION TO THE LEAD BATTEN STRIPS (ITEM 11) OR OPTIONAL AT OTHER LOCATIONS — MAX 3/4 IN. DIAM BY MAX 0.125 IN. THICK LEAD DISCS COMPRESSION FITTED OR ADHERED OVER STEEL SCREW HEADS OR MAX 1/2 IN. BY 1-1/4 IN. BY MAX 0.125 IN. THICK LEAD TABS PLACED ON GYPSUM BOARDS (ITEM 5B) UNDERNEATH SCREW LOCATIONS PRIOR TO THE INSTALLATION OF THE SCREWS. LEAD DISCS OR TABS TO HAVE A PURITY OF 99% MEETING THE FEDERAL SPECIFICATION QQ-L-201F, GRADE "C".

*BEARING THE UL CLASSIFICATION MARK







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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:

- STORM AND SANITARY SEWER LINES
- DUCTWORK AND HVAC SYSTEMS HOT AND COLD WATER LINES
- RIGID CONDUIT 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

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. (NCMC (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 PUROLATOR 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 ÈXÍSTING 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 35°F AND 40°F 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 CALCUL	LATION
OCCUPANCY TYPE:	BUSINESS
ACTUAL NUMBER OF OCCUPANTS (Pz)	18 PEOPLE
NET SQUARE FOOTAGE OF HEATED BUILDING: (Az)	1517 SQ/FT
BUILDING EXHAUST REQUIREMEN	TS
TOILET EXHAUST REQUIRED (3 FLUSHING FIXTURES * 75 CFM EACH))	225 CFM
TOTAL BUILDING EXHAUST AIR REQUIRED	225 CFM
BUILDING & PEOPLE VENTILATION REQUIR	REMENTS
BUILDING VENTILATION (Az*Ra) (1517 * 0.06)	91 CFM
PEOPLE * 5 CFM TABLE 403.3.1.1: 2018 NC MECH CODE	
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
BUILDING EXHAUST PROVIDED	<u>'</u>
EF-1	
225 CFM	225 CFM
OUTSIDE AIR PROVIDED	1
EXIST. RTU 5-TON UNIT	TOTAL
226 CFM	226 CFM

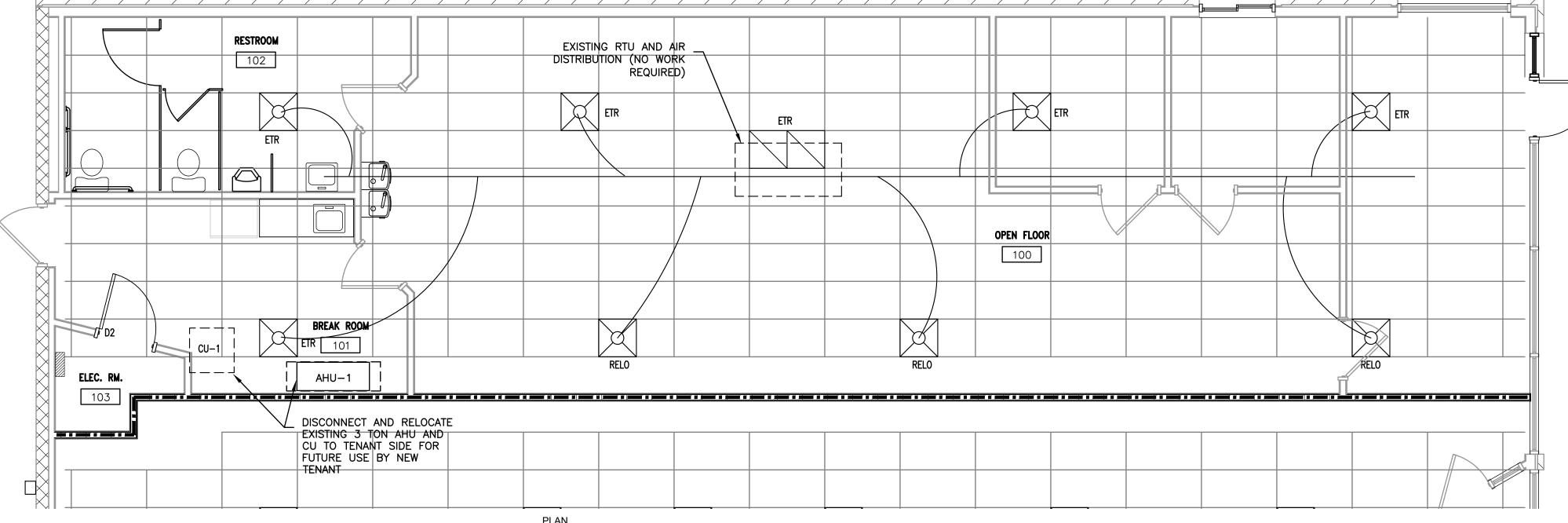
T IS THE PURPOSE OF THESE DRAWINGS TO SHOW THE INTENT OF THIS SYSTEM DESIGN. EVERY EFFORT HAS BEEN MADE TO ACCURATELY SHOW EXISTING CONDITIONS— ANY DEVIATION TO THESE DRAWINGS UNCOVERED DURING NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF GENERAL CONTRACTOR OR ENGINEER BEFORE ALTERING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

4 February 202!

EXISTING HVAC SUPPLY DIFFUSERS EXISTING RETURN GRILLE



MECHANICAL PLAN 🔭 🗕 SCALE: 1/4" = 1'-0"

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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.

EMT 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 RACEWAYS WHERE PERMITTED BY THE CODE, AND APPROVED BY OWNER

PLASTIC CONDUIT SHALL BE RIGID, 3/4—INCH MINIMUM, NONMETALLIC, HEAVY DUTY, POLYVINYLCHORIDE (PVC), TYPE I WILL BE USED FOR CONCRETE ENCASEMENT, 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:

- I. STORM AND SANITARY SEWER LINES
- 2. DUCTWORK AND HVAC SYSTEMS3. 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.

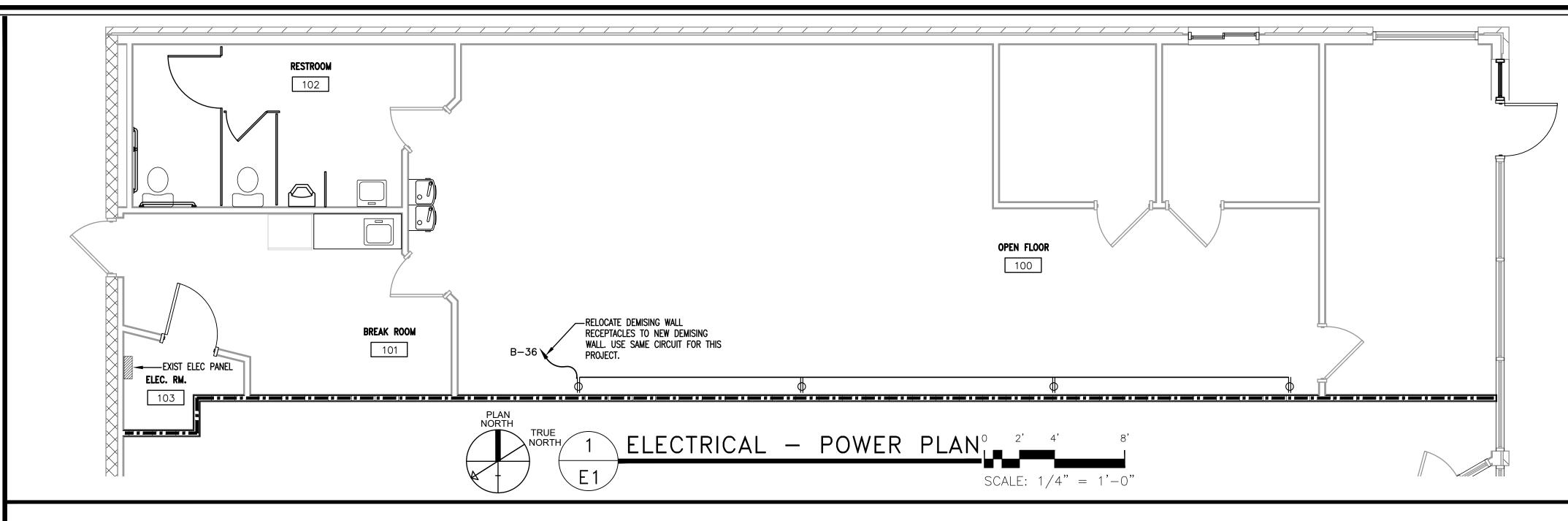
WHERE EQUIPMENT PENETRATES EXTERIOR WALLS OR ROOF, THEY SHALL BE PROPERLY SEALED.

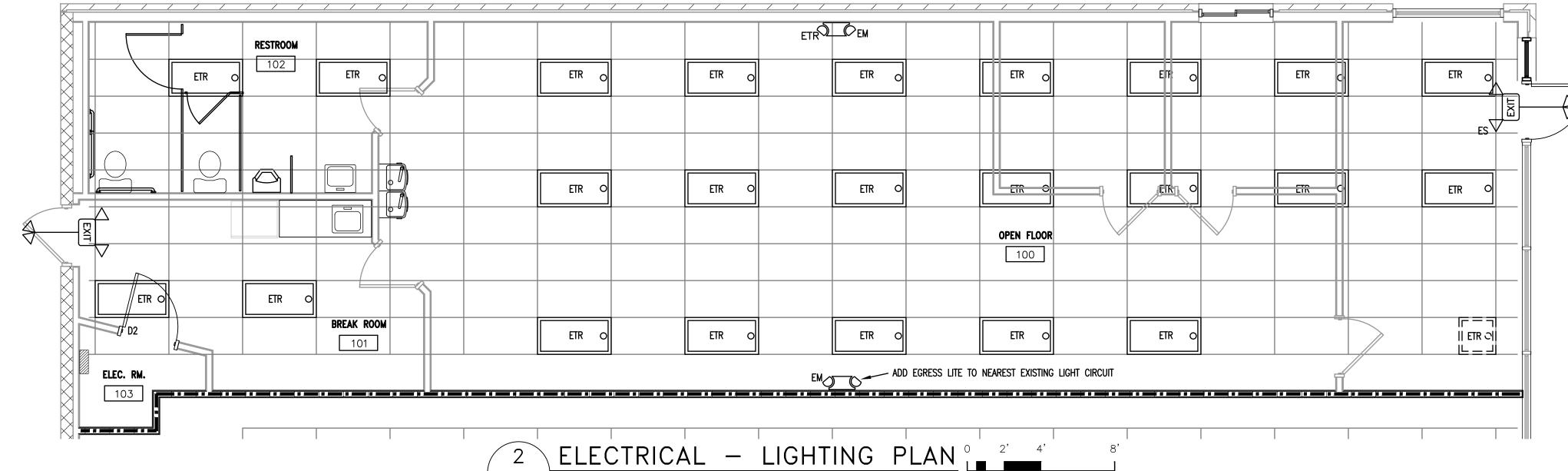
EXHAUST FANS ARE TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR, AND ELECTRICAL WIRING BY THE ELECTRICAL CONTRACTOR.

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.





PHASE LOADING	;	DESCRIPTION	CKT. TYPE	WIRE	CKT. BKR. TRIP	СКТ.	Ą	Ŗ	Ç	СК	T. CKT. BKR. TRIP	WIRE	CKT. TYPE	DESCRIPTION		PHASE LOADIN	G
A B	С		ITPE	SIZE	TRIP	NO.				NC	· TRIP	SIZE	ITPE	DESCRIPTION	Α	В	С
9.6						1	_	\dashv			20/1	#12	N	WATER HEATER	1.8		
9.6		RTU 5-TON	H	#2	90/3			+		4	20/1	#12	С	BATH LIGHTS		1.2	
	9.6					5		\dashv	\rightarrow	6	20/1	#6	R	FRONT RT			1.4
.72		LIGHTS	С	#12	20/1	7	_	\dashv			20/1	#12	R	FRONT LEFT FLOOR	1.4		
0.90		LIGHTING	С	#12	20/1	9		+		10	20/1			SPARE			
	1.80	LIGHTING	С	#12	20/1	11		\dashv	\neg	12	20/1			SPARE			
.80		LIGHTING	С	#12	20/1	13	_	\dashv		<u> 14</u>	20/1			SPARE			
1.80		LIGHTING	С	#12	20/1	15		_			7			SPARE			
	1.00	LIGHTING	С	#12	20/1	17		\dashv	\rightarrow	18	20/1			SPARE			
).36		LIGHTING	С	#12	20/1	19	+	\dashv		20	20/1			SPARE			
0.54		LIGHTING	С	#12	20/1	21		+		22	20/1			SPARE			
	1.80	LIGHTING	С	#12	20/1	23		\dashv	+	24	20/1			SPARE			
1.00		LIGHTING	С	#12	20/1	25	+	\dashv	\dashv	26	20/1			SPARE			
1.00		LIGHTING	С	#12	20/1	27		+	\dashv	28	20/1			SPARE			
	1.00	LIGHTING	С	#12	20/1	29		\dashv	\rightarrow		20/1			SPARE			
0.49		BATH GFI	R	#12	20/1	31	+	\dashv		32	20/1	#12	R	COUNTER RECEPTACLE	1.2		
0.49		BATH GFI	R	#12	20/1	33		-		34	20/1	#12	R	RECEPTACLE FOR REFRIGERATOR		1.2	
	0.39	LOAD	R	#12	20/1	35		\dashv	\rightarrow		20/1	#12	R	RECEPTACLES IN DEMISING WALL			0.72
		SPACE				37	+	\dashv		38					3.48		
3.48		AHU-1 W/ 5KW HEAT STRIPS	N	#8	30/2	39		+		40	20/3	#10	Н	SPLIT HEAT PUMP 3-TON		3.48	
	3.48	ANOTI W/ SKW HEAT STAIRS	IN	π0	30/2	41			—	42							3.48
- 0 4 - 0	19.1			— SUB	-TOTAL	(VA)				SUB-TOTAL (VA) —					7.88	5.88	5.60

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.

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

ELECTRICAL SCOPE OF WORK:

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

	ELECTRICAL LEGEND	
φ	DUPLEX RECEPTACLE; MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE	
\sim	SINGLE POLE POWER/LIGHTING HOMERUN	
7///	POWER PANEL (EXISTING)	
0	LAY-IN/SURFACE MOUNTED LED (EXISTING)	
0	2x4 LAY-IN LED (EXISTING)	
1	EMERGENCY LIGHT (MARKED EM)	
	EMERGENCY EXIT SIGN WITH REMOTE HEADS (MARKED EX)	

THIS BUILDING IS FULLY PROTECTED BY FIRE SPRINKLERS







DESIGNED / CHECK
INARY [] FOR DEVELOPMENT ONLY
DRAWING [4] FOR CONSTRUCTION

CATCOR/BUILDER:

DESIGNED / CHECK

B. JEN

DRAWN BY:

PROJECT #:

2024-0

CAMERON, NC. 28326

OWNE

VEL II AL TERATION: BUILDING SHI
5 MITTIE HADDOCK DRIVE CAMERO

-RICAL - POWER/LIGHTING/SCHE

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