2018 APPENDIX	B BUILDING CODE SUN	MMARY
Name of Project: Word Afire Ministries		ACCESSIBLE PARKING
Address: 1503 Denim Road Erwin, NC Zip Code: 28339	STORY DESCRIPTION BLDG AREA TABLE 506.2 ⁴ AREA FOR ALLOWABLE FRONTAGE AREA PER STORY OR	(SECTION 1106) TOTAL # PARKING SPACES # ACCESSIBLE SPACES PROVIDED LOT OR
Proposed Use: Church	(ACTUAL) INCREASE ^{1,5} UNLIMITED ^{2,3} 1 Church 6,500 6,000 4,500 10,500	PARKING AREA REQUIRED PROVIDED REGULAR WITH 5' ACCESS AISLE 132" ACCESS 8' ACCESS SPACES PROVIDED
Owner or Authorized Agent : Vivian Cogdell Phone # E-Mail:		Existing AISLE AISLE
Owned By: ☐ City / County ☐ Private ☐ State Code Enforcement Jurisdiction: ☐ City	¹ Frontage area increases from Section 506.2 are computed thus:	TOTAL
	a. Perimeter which fronts a public way or open space having 20 feet minimum width = 360' (F) b. Total Building Perimeter = 360' (P) c. Ratio (F/P) = 1 (F/P)	DI LIMDING EIVTIDE DEGLIDEMENTS
LEAD DESIGN PROFESSIONAL: Joe T. Smith, Jr. DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL	d. W = Minimum width of public way = $30'$ (W) e. Percent of frontage increase $I_f = 100$ [F/P - 0.25] x W/30 = 75 (%)	PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)
Building Smith Engineering & Design Joe T. Smith, Jr. 24916 (919)-736-2141 smithengineeringnc@hotmail.com	² Unlimited area applicable under conditions of Section 507. ³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).	USE WATER CLOSETS URINALS LAVATORIES UTILITY DRINKING FOUNTAINS MALE FEMALE UNISEX MALE FEMALE UNISEX SINK REGULAR ACCESSIBLE
Civil	The maximum area of parking garages must comply with 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.	EXISTING 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Fire Alarm	⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.	REQUIRED 1 2 0 0 1 1 0 0 1 1
Plumbing Mechanical		SPECIAL APPROVALS
Sprinkler-Standpipe	ALLOWABLE HEIGHT SHOWN ON CODE	Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Retaining Walls >5' High	ALLOWABLE PLANS REFERENCE	
Other	Building Height in Feet (Table 504.3) 40'-0" 16'-0" Building Height in Stories (Table 504.4) 1	
2018 NC BUILDING CODE: New Construction Shell/Core 1st Time Interior Completion Addition Phased Construction-Shell Core	1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.	STRUCTURAL DESIGN
2018 NC EXISTING CODE: Prescriptive Alteration Level I Historic Property (check all that apply)	FIRE PROTECTION REQUIREMENTS	DESIGN LOADS:
(cneck all that apply) Repair Alteration Level II Change of Use Chapter 14 Alteration Level III	FIRE RATING DESIGN#	Importance Factors: Snow (I _s) Existing Building
CONSTRUCTED: (date) CURRENT USE(s) (Ch. 3) B RENOVATED: (date) PROPOSED USE(s) (Ch. 3) A-3	BUILDING ELEMENT SEPARATION DISTANCE (FEET) REQUIRED PROVIDED W/ N/A * REDUCTION) PROVIDED OF TAIL # AND SHEET # STATE OF TAIL # FOR RATED ASSEMBLY PENETRATION PENETRATION JOINTS	Seismic (I _E) Live Loads: Roof
BUILDING DATA	Structural frame, including columns, girders, trusses O HOUR O HOUR	Mezzanine
Construction Type:	Bearing walls Exterior North N/A 0 HOUR N/A	Ground Snow Load: Wind Loads: Basic Wind Speed
(check all that apply)	North N/A 0 HOUR N/A East N/A 0 HOUR N/A	Exposure Category
Standpipes: NO Class: I III III Wet Dry	West N/A 0 HOUR N/A South N/A 0 HOUR N/A	SEISMIC CATEGORY
Primary Fire District: NO YES (Primary) Flood Hazard Area: No YES Special Inpections Required: NO YES	Interior 0 HOUR 0 HOUR Nonbearing walls and partitions Exterior	Provide the following Seismic Design Parameters:
GROSS BUILDING AREA TABLE	North >30' 0 HOUR 0 HOUR	Occupancy Category (Table 1604.5)
FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL 3th Floor	East >30' 0 HOUR 0 HOUR West >30' 0 HOUR 0 HOUR South >30' 0 HOUR 0 HOUR	Site Classification (ASCE-7)
2nd Floor	Interior walls and partitions 0 HOUR 0 HOUR	Basic Structural System: (check one) Bearing Wall Dual W/ Special Moment Frame
Mezzanine 0 6,500 1stFloor (Upper Level) 6,500 0 6,500	Roof Construction O HOUR O HOUR	☐ Building Frame ☐ Dual W/ Intermediate R/C or Special Steel ☐ Moment Frame ☐ Inverted Pendulum
Basement (Lower Level) 0 6,500 TOTAL: 6,500 0 6,500	Roof Ceiling Assembly N/A N/A	Analysis Procedure: Simplified Equivalent Lateral Force Dynamic
	Columns Supporting Roof O HOUR O HOUR Shafts Enclosures - Exit N/A N/A	Architectural, Mechanical, Components Anchored? Yes No
ALLOWABLE AREA Primary Occupancy: THIS TENANT SPACE = 3,381 SQ.FT.	Shafts Enclosures - Other N/A N/A Corridor Separation 0 HOUR 0 HOUR Occupancy/Fire Barrier Separation 0 HOUR 0 HOUR	LATERAL DESIGN CONTROL: Earthquake Wind SOIL BEARING CAPACITIES:
Assembly	Party/Fire Wall Separation N/A N/A Smoke Barrier Separation N/A N/A	Field Test (provide copy of test report)psf
Educational	Smoke Partition N/A N/A Tenant/Dwelling Unit/ Sleeping Unit N/A N/A	Presumptive Bearing Capacity psf Pile Size, Type, and Capacity
Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HMP	Incidental Use Separation N/A N/A	SPECIAL INSPECTIONS REQUIRED: Yes No
Institutional	*Indicates section number permitting reduction. PERCENTAGE OF WALL OPENING CALCULATIONS	ENERGY SUMMARY
I-2 Condition	FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINES PROTECTION (7A DI E 705 9) (%) DEGREE OF OPENINGS PROTECTION (%) (%) (%)	ENERGY REQUIREMENTS:
Mercantile	>30' Unprotected, Nonsprinklered No Limit <50%	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.
Storage S-1 Moderate S-2 Low High-Piled		Existing building envelope complies with code: [1] (If checked, the remainder of this section is not applicable.)
Parking Garage Den Enclosed Repair Garage Utility and Misc.	LIFE SAFETY SYSTEM REQUIREMENTS	Exempt Building: Provide code or statutory reference: Climate Zone: 3 4 5
Accessory Occupancy Classification(s): Incidental Uses: (Table 509)	Emergency Lighting: No Yes	Method of Compliance :
This separation is not exempt as a Nonseparated Use (see exceptions).	Exit Signs: No Yes Fire Alarm: Yes	Energy Code: Performance Prescriptive Trade-Off ASHRAE 90.1: Performance Prescriptive Trade-Off
Special Uses: (Chapter 4 - List Code Sections): Special Provisions: (Chapter 5 - List Code Sections):	Smoke Detection Systems: No Yes Carbon Monoxide Detection: No Yes	Other: Performance (specify source) THERMAL ENVELOPE:
Mixed Occupancy: NO YES Secondary occupancy type(s): B Separation: 0 Hour Exception: 508.3		Roof/Ceiling Assembly (each assembly) Description of Assembly
Non-Separated Use (508.3) The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire	Life Safety Plan Sheet #: LF-1	U-value of Total Assembly
building. The most restrictive type of construction, so determined, shall apply to the entire building. Separated Use (508.4) See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.	Fire and/or smoke rated wall locations (Chapter 7) Assumed and real property line locations	R-value of Insulation Skylights in each assembly
each use divided by the allowable floor area for each use shall not exceed 1. Actual Area of Occupancy A Actual Area of Occupancy B	Exterior wall opening area with respect to distance to assumed property lines (705.8)	U-Value of skylight Total square footage of skylights in each assembly
Allowable Area of Occupancy A Allowable Area of Occupancy B = \leq 1.0	Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2) Occupant loads for each area	Exterior Walls (each assembly)
$\frac{N/A}{N/A} \qquad N/A \qquad + \qquad \frac{N/A}{N/A} \qquad N/A \qquad = \qquad N/A \leq 1.0$	Exit access travel distances (1017) Common path of travel distances [Tables 1006.2.1 & 1006.3.2(1)]	Description of Assembly
	Dead end lengths (1020.4) Clear exit widths for each exit door	R-value of Insulation Openings (windows or doors with glazing)
	Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)	U-Value of assembly
	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	Solar heat gain coefficient: Projection factor:
	 □ 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) 	Door R-Values: Walls below grade (each assembly)
	Location of doors with electromagnetic egress locks (1010.1.9.9) Location of doors equipped with hold-open devices	Description of Assembly
	Location of emergency escape windows (1030)	U-value of Total Assembly
	The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)	Floors over unconditioned space (each assembly) Description of Assembly
	Note any code exceptions or table notes that may have been utilized regarding the items above	U-value of Total Assembly
	ACCESSIBLE DWELLING UNITS (SECTION 1107)	R-value of Insulation
	TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE A TYPE B TYPE B TOTAL	Description of Assembly
	REQUIRED PROVIDED REQUIRED PROVIDED PROVIDED PROVIDED	R-value of Insulation
	N/A	Horizontal/vertical requirement

ITH ENGINEERING AND DESIGN, P.A. – ALL RIGHITTH ENGINEER

ND DESIGN, P.

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Harnett
COUNTY
NORTH CAROLINA

on life safety plan

Rev1. See notes on life safety plan

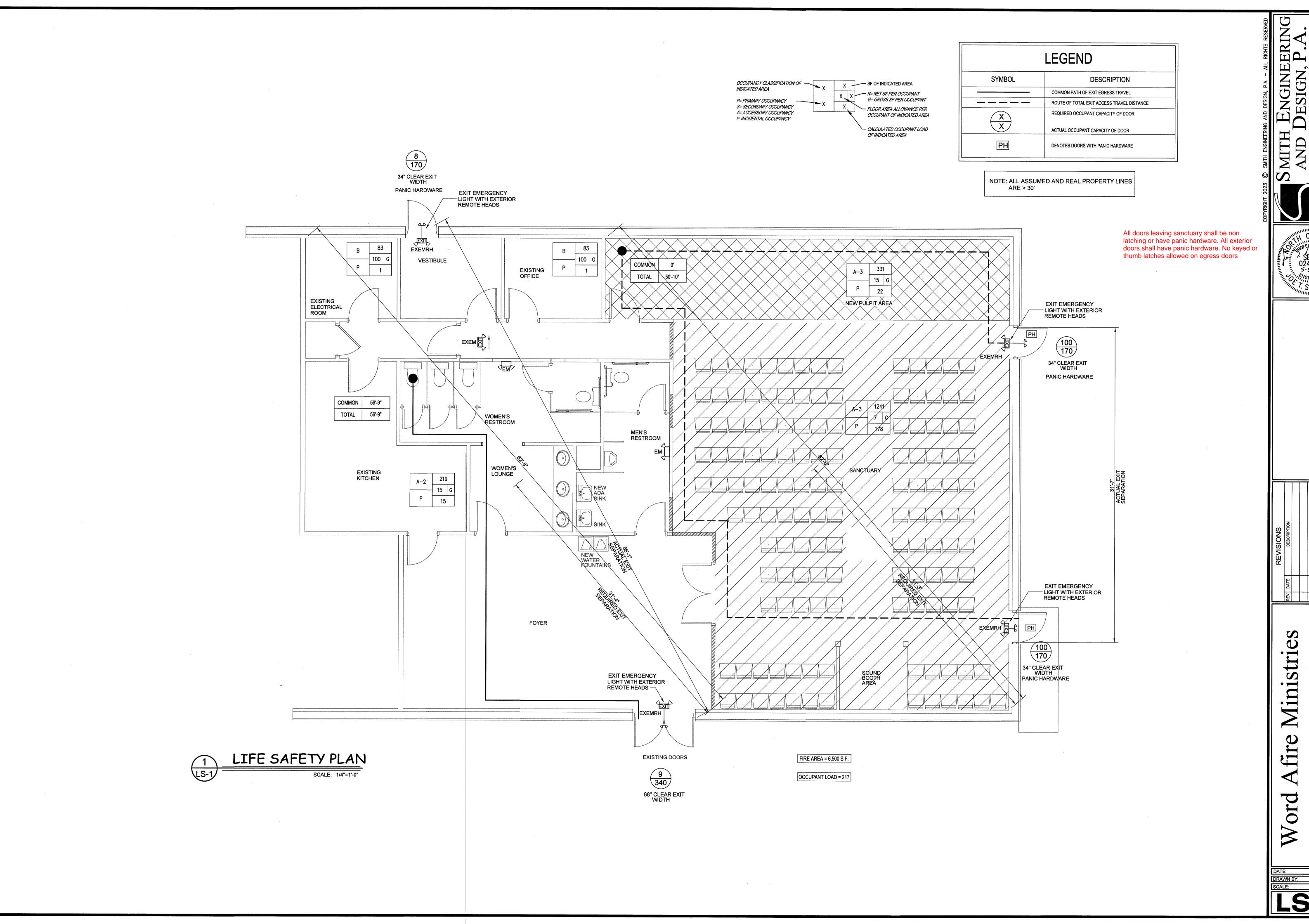
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EV. DATE DESCRIPTION

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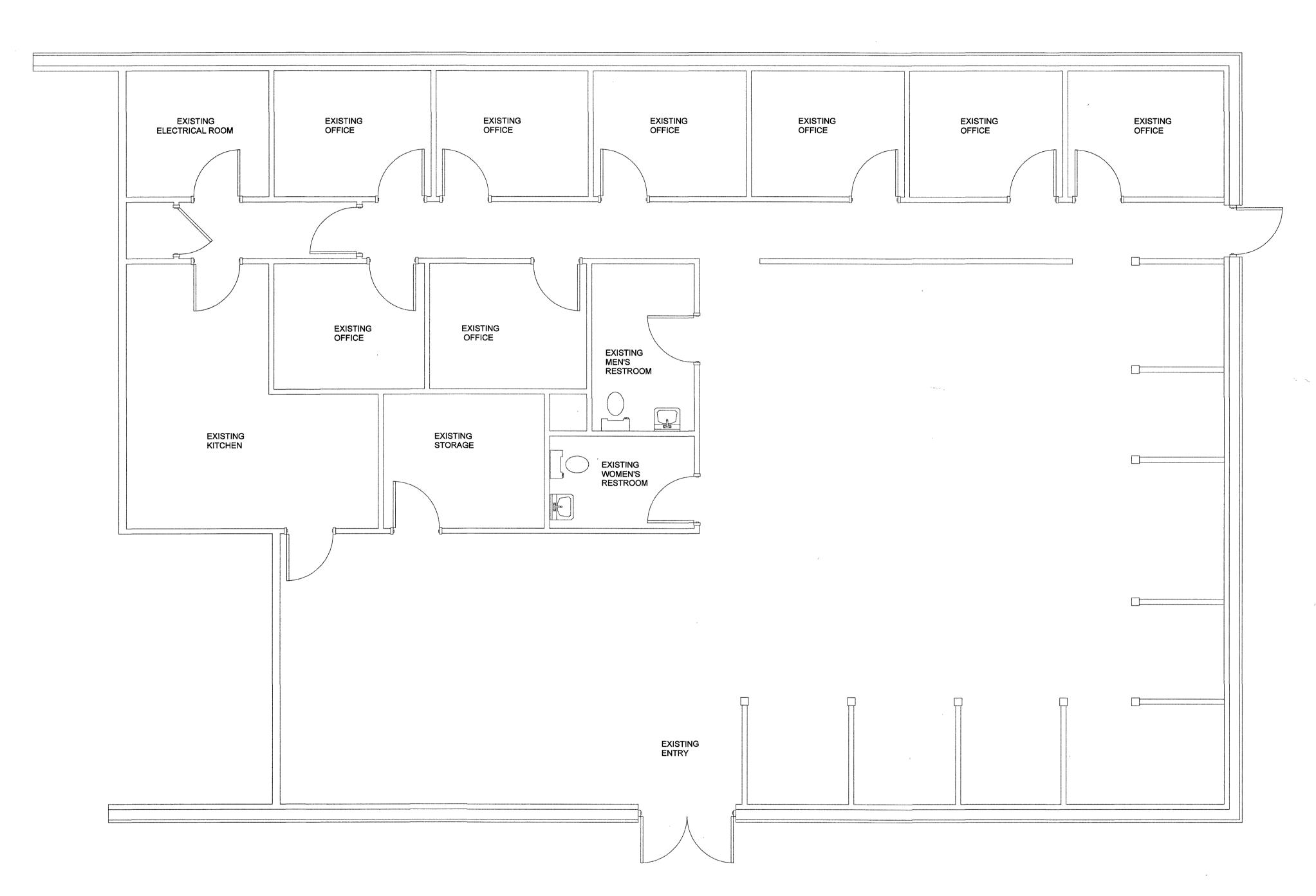
1503 Denim Road
Erwin, NC 28339

DATE: 5 May 2023
DRAWN BY: J.S.
SCALE: N.T.S.





1503 Denim Road Erwin, NC 28339



1 EXISTING FLOOR PLAN

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

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Phone: 919,736,2141

REV. DATE DESCRIPTION

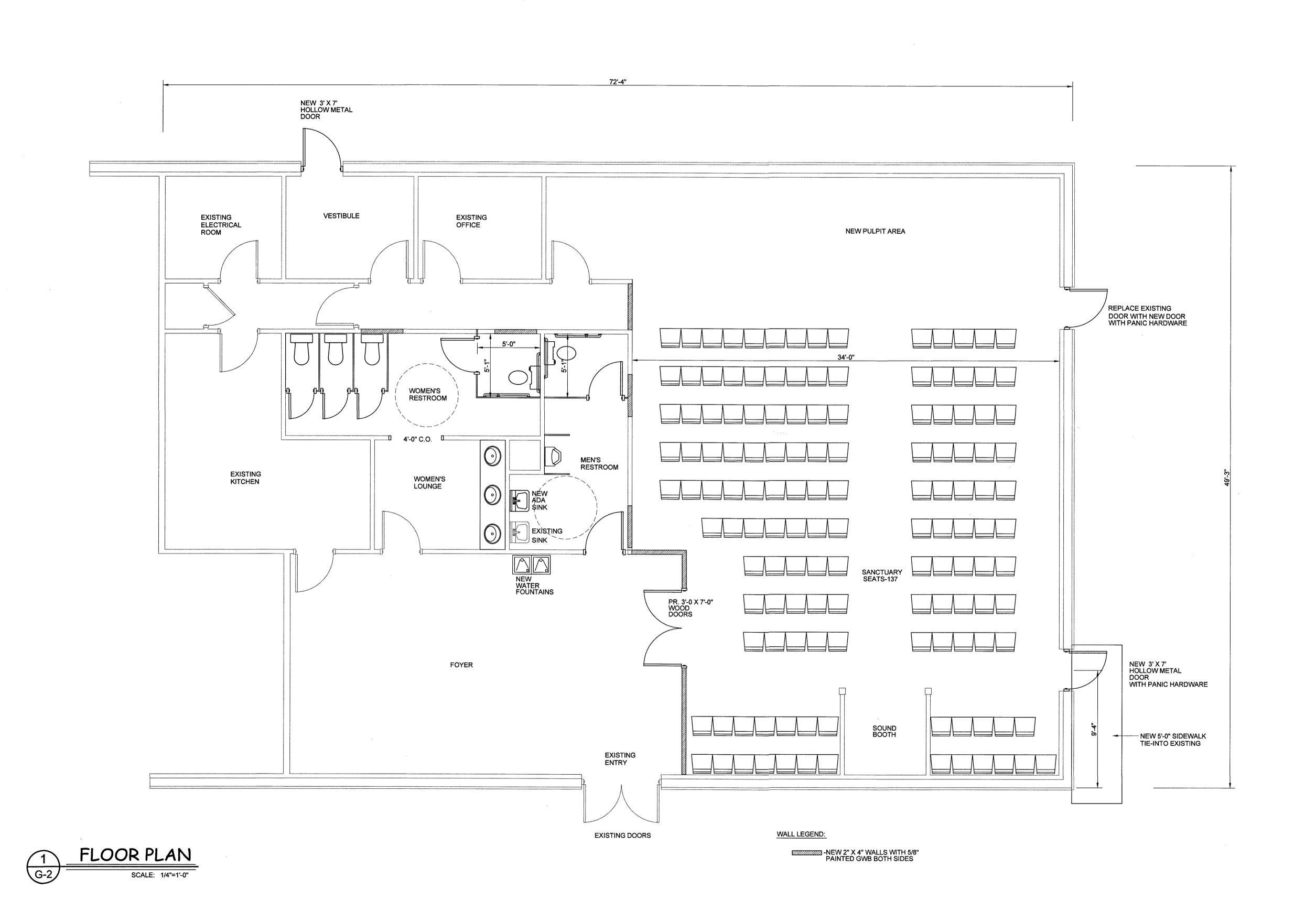
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