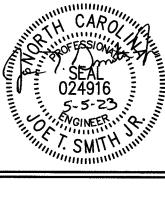
2018 APPENDIX	B BUILDING CODE SUN	MARY
Name of Project: Word Afire Ministries		ACCESSIBLE PARKING
Address: 1503 Denim Road Erwin, NC Zip Code: 28339	STORY DESCRIPTION BLDG AREA TABLE 506.2 ⁴ AREA FOR ALLOWABLE AND USE PER STORY AREA FRONTAGE AREA PER STORY OR	(SECTION 1106) TOTAL # PARKING SPACES # ACCESSIBLE 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 REGULAR WITH 5' ACCESS AISLE 132" ACCESS 8' ACCESS
Owner or Authorized Agent: Vivian Cogdell Phone # E-Mail:		Existing AISLE AISLE
Owned By: City / County Private State Code Enforcement Jurisdiction: City County Harnett State	¹ Frontage area increases from Section 506.2 are computed thus:	TOTAL
Code Enforcement Jurisdiction: City State State	a. Perimeter which fronts a public way or open space having 20 feet minimum width = 360' (F) b. Total Building Perimeter = 360' (P)	
LEAD DESIGN PROFESSIONAL: Joe T. Smith, Jr.	c. Ratio (F/P) = $\frac{1}{1}$ (F/P) d. W = Minimum width of public way = $\frac{30'}{1}$ (W) e. Percent of frontage increase $I_f = 100$ [F/P - 0.25] x W/30 = $\frac{75}{1}$ (%)	PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)
DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL Building Smith Engineering & Design Joe T. Smith, Jr. 24916 (919)—736—2141 smithengineeringnc@hotmail.com	² Unlimited area applicable under conditions of Section 507.	USE WATER CLOSETS URINALS LAVATORIES UTILITY DRINKING FOUNTAINS MALE FEMALE UNISEX MALE FEMALE UNISEX SINK REGULAR ACCESSIBLE
Civil	³ Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2). ⁴ The maximum area of parking garages must comply with 406.5.4. The maximum area of air traffic control towers must comply with Table	EXISTING 0 0 0 0 0 0 0 0 0
Electrical Fire Alarm	412.3.1. ⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.	NEW 1 4 0 1 2 2 0 0 1 1 REQUIRED 1 2 0 0 1 1 0 0 1 1
Plumbing Mechanical		CDT CYAY ADDD CAMAR
Sprinkler-Standpipe	ALLOWABLE HEIGHT	SPECIAL APPROVALS Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
Structural Retaining Walls >5' High	ALLOWABLE SHOWN ON CODE REFERENCE	
Other	Building Height in Feet (Table 504.3) 40'-0" 16'-0"	
2018 NC BUILDING CODE: New Construction Shell/Core 1st Time Interior Completion	Building Height in Stories (Table 504.4) 1 1 1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.	
Addition Phased Construction-Shell Core 2018 NC EXISTING CODE: Prescriptive Alteration Level I Historic Property		STRUCTURAL DESIGN DESIGN LOADS:
(check all that apply)	FIRE PROTECTION REQUIREMENTS FIRE RATING DESIGN#	DESIGN LOADS: Importance Existing Building
CONSTRUCTED: (date) CURRENT USE(s) (Ch. 3) B	BUILDING ELEMENT SEPARATION DISTANCE REQUIRED (W/ N/A * SHEET # ASSEMBLY DESIGN # FOR RATED RATED RATED RATED	Factors: Snow (I _s) Seismic (I _E)
RENOVATED: (date) PROPOSED USE(s) (Ch. 3) A-3	(FEE1) REDUCTION) JOINTS	Live Loads: Roof Mezzanine
BUILDING DATA	girders, trusses Bearing walls O HOUR O HOUR	Floor Ground Snow Load:
Construction Type: □ I-A □ II-A □ II-A □ IV □ V-A (check all that apply) □ I-B □ II-B □ III-B □ V-B	Exterior North N/A 0 HOUR N/A	Wind Loads: Basic Wind Speed Exposure Category
Sprinklers: NO Partial NFPA 13 NFPA 13R NFPA 13D Standpipes: NO Class: I III III Wet Dry	East N/A 0 HOUR N/A West N/A 0 HOUR N/A	SEISMIC CATEGORY
Primary Fire District: NO YES (Primary) Flood Hazard Area: No YES	South N/A O HOUR N/A Interior O HOUR O HOUR	
Special Inpections Required: NO YES	Nonbearing walls and partitions Exterior North >30' 0 HOUR 0 HOUR	Provide the following Seismic Design Parameters: Occupancy Category (Table 1604.5)
GROSS BUILDING AREA TABLE FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL	North >30' 0 HOUR 0 HOUR East >30' 0 HOUR 0 HOUR West >30' 0 HOUR 0 HOUR	Spectral Response Acceleration S _s %g S ₁ %g Site Classification (ASCE-7)
3th Floor	South >30' 0 HOUR 0 HOUR Interior walls and partitions 0 HOUR 0 HOUR	Data source: Field Test Presumptive Historical Data Basic Structural System: (check one)
2nd Floor Mezzanine	Floor Construction including supporting beams and joists O HOUR O HOUR	Bearing Wall Dual W/ Special Moment Frame Building Frame Dual W/ Intermediate R/C or Special Steel
1stFloor (Upper Level) 6,500 0 6,500 Basement (Lower Level) 6,500 0	Roof Construction including supporting beams and joists 0 HOUR 0 HOUR	Moment Frame Inverted Pendulum
TOTAL: 6,500 0 6,500	Roof Ceiling Assembly N/A N/A Columns Supporting Roof 0 HOUR 0 HOUR	Analysis Procedure: Simplified Equivalent Lateral Force Dynamic
ALLOWABLE AREA	Shafts Enclosures - Exit N/A N/A Shafts Enclosures - Other N/A N/A	Architectural, Mechanical, Components Anchored? Yes No
Primary Occupancy: THIS TENANT SPACE = 3,381 SQ.FT.	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 N/A	Field Test (provide copy of test report) psf Presumptive Bearing Capacity psf
Educational F-1 Moderate F-2 Low	Smoke Partition N/A N/A Tenant/Dwelling Unit/ Sleeping Unit Separation N/A N/A N/A	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 *Indicates section number permitting reduction.	SPECIAL INSPECTIONS REQUIRED: Yes No
Institutional I-1 I-2 I-3 I-4 I-3 Condition I 2	PERCENTAGE OF WALL OPENING CALCULATIONS	ENERGY SUMMARY
I-2 Condition	FIRE SEPARATION DISTANCE (feet) FROM PROPERTY LINES DEGREE OF OPENINGS PROTECTION ALLOWABLE AREA (%) (7APLE 705.9) (76)	ENERGY REQUIREMENTS:
Mercantile	(TABLE 705.8) (TABLE 705.8) (Web) (TABLE 705.8) (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: [[[]] (If checked, the remainder of this section is not applicable.)
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage Utility and Misc. ☐		Exempt Building: Provide code or statutory reference:
Accessory Occupancy Classification(s):	Emergency Lighting: No Yes	Climate Zone: 3 4 5 Method of Compliance:
Incidental Uses: (Table 509) This separation is not exempt as a Nonseparated Use (see exceptions).	Exit Signs:	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	Other: Performance (specify source) THERMAL ENVELOPE:
Mixed Occupancy: NO YES Secondary occupancy type(s): B Separation: O Hour Exception: 508.3	Carbon Monoxide Detection: No Yes	Roof/Ceiling Assembly (each 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	Description of AssemblyU-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	Fire and/or smoke rated wall locations (Chapter 7)	R-value of Insulation
each use divided by the allowable floor area for each use shall not exceed 1.	Assumed and real property line locations Exterior wall opening area with respect to distance to assumed property lines (705.8)	Skylights in each assembly
$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} = \leq 1.0$	Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2) Occupant loads for each area	Total square footage of skylights in each assembly Exterior Walls (each assembly)
$\frac{N/A}{N/A} = N/A + \frac{N/A}{N/A} = N/A \le 1.0$	Exit access travel distances (1017)	Description of Assembly
N/A N/A	Common path of travel distances [Tables 1006.2.1 & 1006.3.2(1)] Dead end lengths (1020.4)	U-value of Total Assembly
	Clear exit widths for each exit door Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)	Openings (windows or doors with glazing) U-Value of assembly
	Actual occupant load for each exit door	Solar heat gain coefficient:
	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)	Projection factor: Door R-Values:
	☐ 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)	Walls below grade (each assembly) Description of Assembly
	Location of doors equipped with hold-open devices Location of emergency escape windows (1030)	U-value of Total Assembly
	The square footage of each fire area (202)	R-value of Insulation Floors over unconditioned space (each assembly)
	 ☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) ☐ Note any code exceptions or table notes that may have been utilized regarding the items above 	Description of Assembly
	ACCESSIBLE DWELLING UNITS	R-value of Insulation
	(SECTION 1107)	Floors slab on grade Description of Assembly
	TOTAL UNITS	U-value of Total Assembly
		R-value of Insulation

Slab heated _____

Reviewed for Fire Code Compliance

Harnett COUNTY NORTH CAROLINA Leslie Jackson 05/22/2023 7:28:24 AM



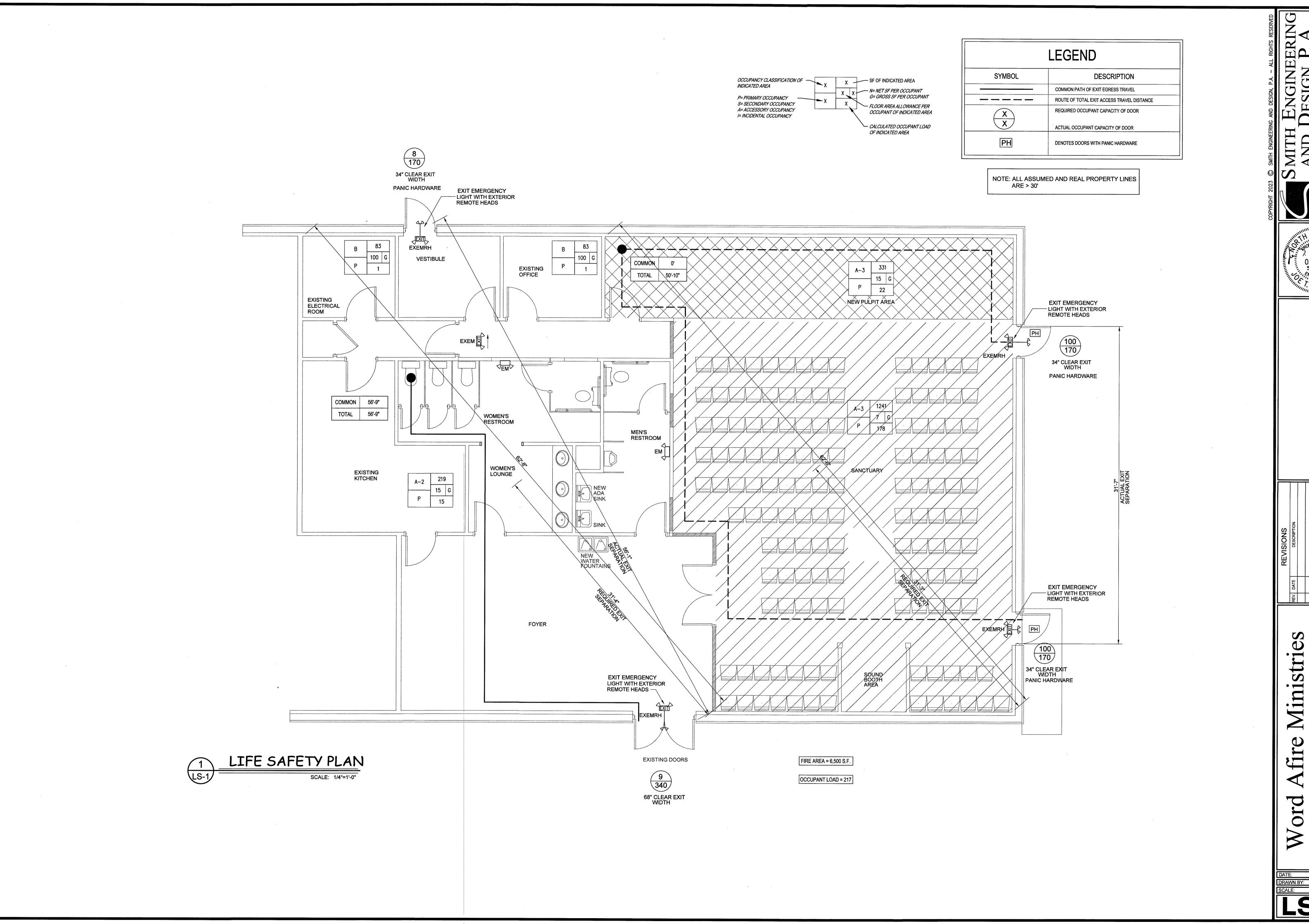
Afire Ministries 1503 Denim Road Erwin, NC 28339

 DATE:
 5 May 2023

 DRAWN BY:
 J.S.

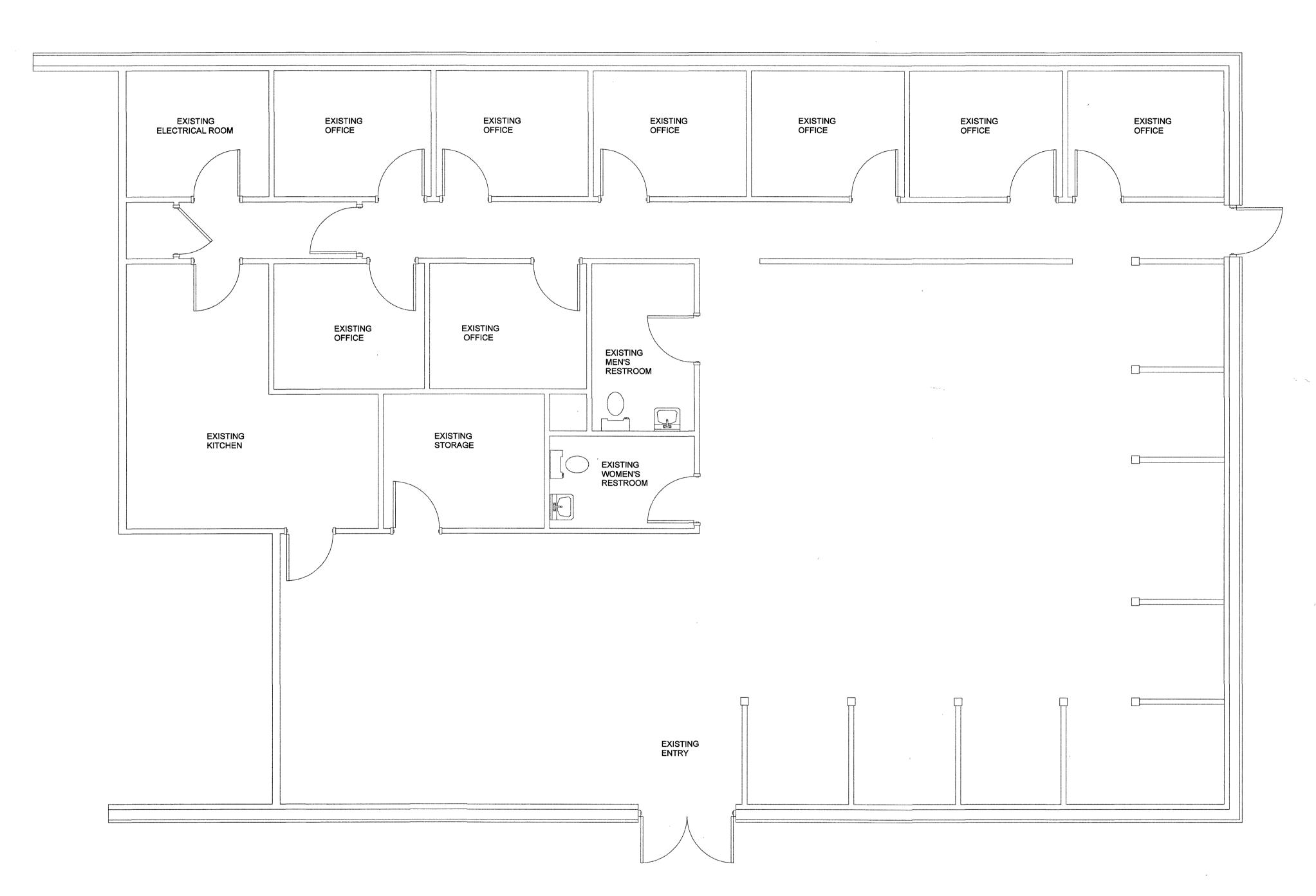
 SCALE:
 N.T.S.

Word





1503 Denim Road Erwin, NC 28339



1 EXISTING FLOOR PLAN

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

SMITH ENGINEERING AND DESIGN, P.

SMITH ENGINEERING AND DESIGN, P.

AND DESIGN, P.

AND DESIGN, P.

SMITH ENGINEERING AND DESIGN, P.

AND DESIGN, P.

Goldsboro, N.C.

Corporation License

Phone: 919,736,2141

REV. DATE DESCRIPTION

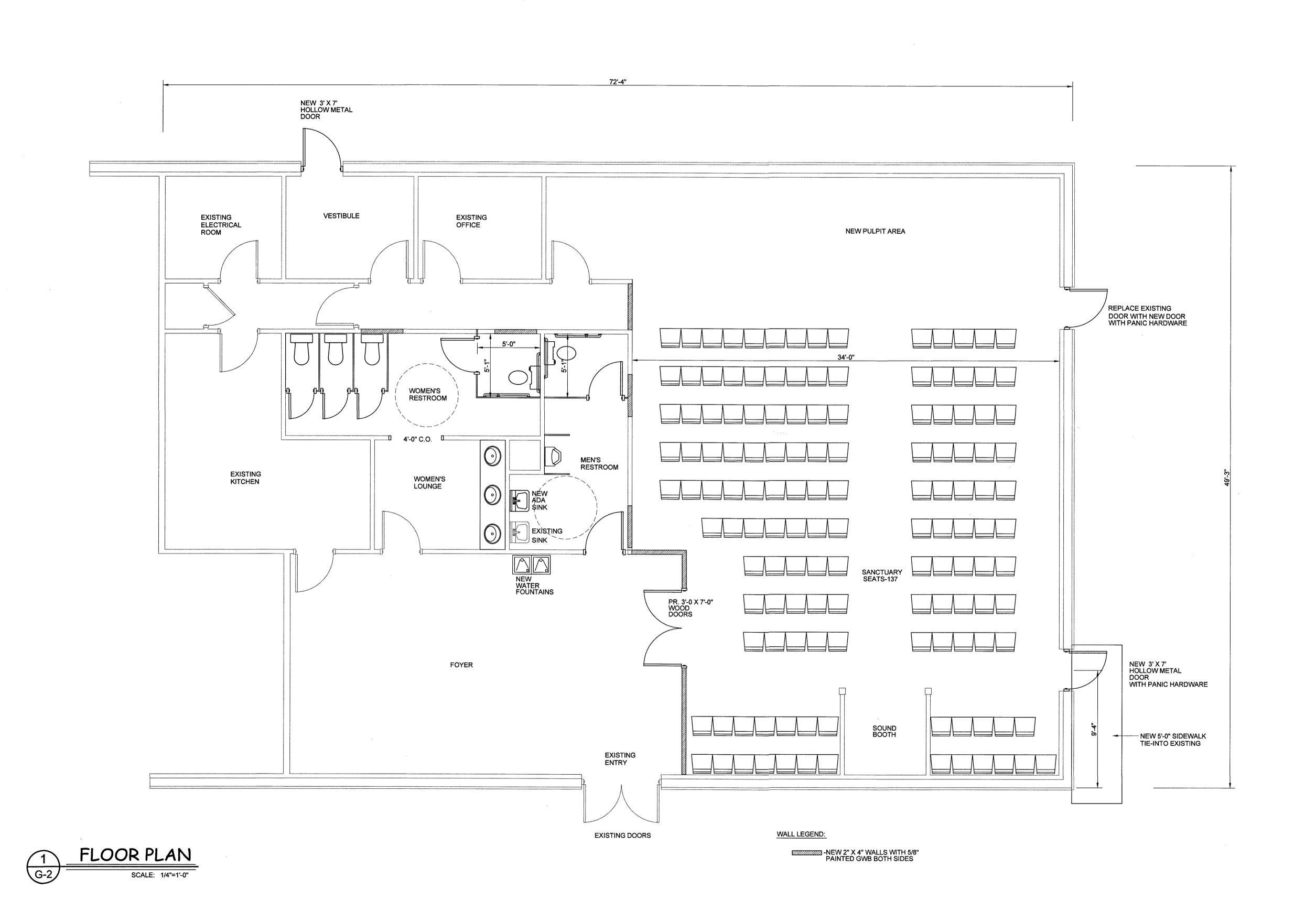
l Afire Ministries

1503 Denim Road Erwin, NC 28339

DATE: 5 May 2023

DRAWN BY: J.S.

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



Afire Ministries

1503 Denim Road Erwin, NC Word

