

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Rock of Address: 36 Line Roc Owner/Authorized Agent: Down Owned By: J.W. Broww Code Enforcement Jurisdiction:	al Cameron	Ne.	Zip Code 28326	ogmai/com
DESIGNER FIRM Architectural Civil Electrical Fire Alarm Plumbing Mechanical Sprinkler-Standpipe Structural Retaining Walls >5' High Other ("Other" should include firms an		LICENSE #	TELEPHONE # E-MAIL ()	
2018 NC BUILDING CODE: 2018 NC EXISTING BUILDIN CONSTRUCTED: (date) RENOVATED: (date) RISK CATEGORY (Table 1604)	1st Time Interior Com Shell/Core - Contact procedures and requir Phased Construction possible additional pr G CODE: EXISTING: Alteration: CURR PROP	the local inspection jurements - Shell/Core- Contact occdures and required Prescriptive Level I Historic Propert SENT OCCUPANCY	☐ Repair ☐ Chapter 14 ☐ Level II ☐ Level III by ☐ Change of Use ((S) (Ch. 3): ☐ CY(S) (Ch. 3): ☐ Change	
BASIC BUILDING DATA Construction Type:	II-B II-B II-B II-B II-B II-B II-B II-B II-B II	I III Wet	☐ IV ☐ V-A NFPA 13D Dry Yes jurisdiction for additional s.)	

		Gross Building Area Table	
FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
3 rd Floor			
2 nd Floor			
Mezzanine			
1st Floor	3500		
Basement			
TOTAL	3500		
		ALLOWABLE AREA	
Primary Occupa	ancy Classification(s):		
Assembly	□ A-1 □ A-2 ☒	A-3	
Business			
Educational	ī		
Factory	F-1 Moderate F-	2 Low	
Hazardous	The second secon	-2 Deflagrate H-3 Combust H-	4 Health T H-5 HPM
	☐ I-1 Condition ☐ 1		Trouble Control
mstitutionar	☐ I-2 Condition ☐ 1		
	☐ I-3 Condition ☐ 1		
N f	☐ 1-4 ☐		
Mercantile		3 Dp4	
Residential	And the second s	R-3 R-4	
Storage		S-2 Low High-piled	
		Open Enclosed Repair Garage	
	fiscellaneous		
Incidental Uses			
		tions):	
		de Sections):	
Mixed Occupan			
☐ Non-		The required type of construction for the	
		applying the height and area limitation	
		occupancies to the entire building. The construction, so determined, shall apply	
-			
☐ Sepa		elow for area calculations for each stor	
		ch that the sum of the ratios of the actu	
	the a	lowable floor area for each use shall no	
	l Area of Occupancy A	+ Actual Area of Occupancy B	≤ 1
Allowab	le Area of Occupancy A	Allowable Area of Occupancy B	1
		al.	+ = ≤1.00
-		т	+ = _ < 1.00

None

¹ Frontage area increases from Section 506.3 are computed thus:

0	Darimeter which fronte	public way or open en	ace having 20 feet minimum width =	(F)
a.	I CHINETEL WHICH HOMES &	public way of open spe	acc naving 20 feet infilling width	(1)

b. Total Building Perimeter = ____(P)

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

d. W = Minimum width of public way = ____(W)

e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 =$ (%)

² Unlimited area applicable under conditions of Section 507.

⁴ The maximum area of open parking garages must comply with Table 406.5.4.

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

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) ²	40	16	
Building Height in Stories (Table 504.4) 3	1		

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

³ Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).

² The maximum height of air traffic control towers must comply with Table 412.3.1.

³ The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE		RATING	DETAIL#	DESIGN#	SHEET # FOR	SHEET#
	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/* REDUCTION)	AND SHEET#	FOR RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	N/R	0	N/A				
Bearing Walls		20					
Exterior							
North		0					
East		0					
West		0					
South		0					
Interior		Ò					
Nonbearing Walls and Partitions		ଚ					
Exterior walls		0					
North	ļ	0					
East		2					
West		8					
South							
Interior walls and partitions		0					
Floor Construction							
Including supporting beams							
and joists		ı					
Floor Ceiling Assembly		ı					
Columns Supporting Floors		1					
Roof Construction, including supporting beams and joists		1					
Roof Ceiling Assembly		/					
Columns Supporting Roof		1					
Shaft Enclosures - Exit		0					
Shaft Enclosures - Other		0					
Corridor Separation		0					
Occupancy/Fire Barrier Separat	ion	0					
Party/Fire Wall Separation		5					
Smoke Barrier Separation							
Smoke Partition		0					
Tenant/Dwelling Unit/ Sleeping Unit Separation		0					
Incidental Use Separation		0					

^{*} Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

	FERCENTAGE OF WA	LL OF ENING CALCUL	attions.
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
Emergency Lighting: Exit Signs: Fire Alarm: Smoke Detection Systems: Carbon Monoxide Detection:	LIFE SAFETY SYSTEM No Yes No Yes No Yes No Yes No Yes No Yes Part		
Fire and/or smoke rated w Assumed and real propert Exterior wall opening area Occupancy Use for each a Occupant loads for each a Exit sign locations (1013) Exit access travel distance	y line locations (if not on the a with respect to distance to a rea as it relates to occupant lorea	site plan) ssumed property lines (705 oad calculation (Table 1004	
Dead end lengths (1020.4) Clear exit widths for each Maximum calculated occu Actual occupant load for each	exit door spant load capacity each exit of each exit door indicating where fire rated floar paration	door can accommodate bas	
☐ Location of doors with de	layed egress locks and the ameterromagnetic egress locks (10 d with hold-open devices cape windows (1030)		

☐ 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

☐ The square footage of each fire area (202)

ACCESSIBLE DWELLING UNITS

(SECTION 1107)

UNIT CLASSIFICATION	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 PARKING

(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PA	ARKING SPACES	# OF ACCESSIBLE	TOTAL # ACCESSIBLE		
	REQUIRED	PROVIDED	96" SPACES	132" SPACES	PROVIDED	
	21	34	1		,	
TOTAL	21	34	1			

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE		W	ATER CLOS	ETS	URINALS	LAVATORIES SHOWERS DRII			DRINKING	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
SPACE	EXIST'G	3	3	1		3	3	1	,		
	NEW										
	REQ'D	2	2	1		2	2	1			

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)	

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

xisting building envelope complies with code: No Yes (The remainder of this section is not applicable)
xempt Building: No Yes (Provide code or statutory reference):
Climate Zone: 3A 4A 5A
Method of Compliance: Energy Code Performance Prescriptive ASHRAE 90.1 Performance Prescriptive (If "Other" specify source here)
HERMAL 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:

STRUCTURAL DESIGN

(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:	
Importance Factors:	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Live Loads:	Roof psf Mezzanine psf Floor psf
Ground Snow Load:	psf
	mate Wind Speed mph (ASCE-7) osure Category
SEISMIC DESIGN CATEGORY	':
Provide the following Seismic Desi Risk Category (Table 160 Spectral Response Accele	04.5) 🔲 I 💢 III 🔲 IV
Site Classification (ASCE	
Data Sour Basic structural system	rce:
Analysis Procedure:	☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanic	al, Components anchored? Yes No
LATERAL DESIGN CONTROL	: Earthquake Wind
SOIL BEARING CAPACITIES: Field Test (provide copy of Presumptive Bearing capation Pile size, type, and capacity)	

MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone	
winter dry bulb:	
summer dry bulb:	
Interior design conditions	
winter dry bulb:summer dry bulb:	
relative humidity:	
relative numbers.	
Building heating load:	
Building cooling load:	
Mechanical Spacing Conditioning System	
Unitary	
description of unit:	
heating efficiency:	
cooling efficiency:	
size category of unit:	
Boiler	
Size category. If oversized, state reason.:	
Chiller	
Size category. If oversized, state reason.:	
List equipment efficiencies:	

ELECTRICAL DESIGN (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM	AND EQUIPMENT	
Method of Compl	iance: Energy Code Performance ASHRAE 90.1 Performance	Prescriptive Prescriptive
number of ballast typ number of total watta total interi	(each fixture type) required in fixture f lamps in fixture be used in the fixture f ballasts in fixture age per fixture ior wattage specified vs. allowed (whole but ior wattage specified vs. allowed	ilding or space by space)
(When using the 2 ☐ C406.2 ☐ C406.4 ☐ C406.6 ☐ C406.6	ncy Package Options 2018 NCECC; not required for ASHRAE 2 More Efficient HVAC Equipment Perform 3 Reduced Lighting Power Density 4 Enhanced Digital Lighting Controls 5 On-Site Renewable Energy 6 Dedicated Outdoor Air System 7 Reduced Energy Use in Service Water He	nance

roposed Use:	Rock of Salvation Ch 36 Line Rd Cameron Church (Assembly A-	n NC 3)			3-42-1124	Zip Code 28326	
owner or Authorized Agent: owned By: code Enforcement Jurisdiction	<u>James W. Bro</u> n:	OWN ☐ City/County ☐ City ☐ City		(910) 391-808 □ Private ☑ County	B-Mail Harnett	bishopjwbrown@gmail.com ☐ State ☐ State	
PROJECT SUMMARY:	-	_ Oily				_ = 0.00	
Building Description: Scope of Work:			New Construction - New Construction		/		
Code Compliance Summary: Alternative Means of Complian	nce Request:		NCDOI APPENDIX NONE	"B"			
EAD DECION DROFFCCION	IAI.						
LEAD DESIGN PROFESSION DESIGNER	NAL: FIRM	N.F	AME	LICENSE #	TELEPHONE #	E-MAIL	
Architectural Civil Electrical	N/A	N	/A	N/A			
Fire Alarm Plumbing							
Mechanical Sprinkler-Standpipe	N/A	N	/A	N/A			
Structural : INTERIOR WALLS							
Retaining Walls >5' High Building		TIMOTHY PE	EPPERS JR	N/A	(910) 644-4587	tpeppers@pepdc.com	
BUILDING CODE:	2018 North Car						
	☐ 2009 North Cal	rolina State Buildin					
	□ 2009 Chapter 3 □ 2015 North Car						
□ New Building:	✓ New Building□ Addition		□ Shell Buildi □ Alteration to	•	☐ First Time Interior Co	mpletion	
□ Existing Building:	□ Renovation		□ Interior Cor	mpletion	☐ Tenant Alteration		
Constructed: (data)	☐ Reconstruction☐ Change of UseN/A		□ Repair		☐ Alteration to Shell☐ Change of Occupanc	у	
Constructed: (date) Note: Zoning Review is Requi		or Occupancy					
Original Use/Occupancy (Ch. 3 Current Use/Occupancy (Ch. 3	3): 3):	N/A N/A					
Proposed Use/Occupancy (Ch	•	Religious Ass	sembly A-3				
ASIC BUILDING DATA: onstruction Type:	(THIS SECTION F	REQUIRED FOR A	LL PROJECTS)	□ III-A	□ IV	□ V-A	
check all that apply)	_ □ I-B		□ II-B	□ III-A	□ IV	□ V-A	
prinklers: tandpipes:	✓ No □ Partial ✓ No □ Yes	☐ Yes Class:	□ NFPA 13		Wet □ Dry	3D	
• •	□ No ☑ Yes (AF (feet) <u>16</u>	PPENDIX D) 3500 sqft	Flood Hazard Are		No ☐ Yes	N/A	
ross Building Area (Sq. Ft.): LOOR EXISTING	 G (SQ FT)	NEW (UPFIT) (SQ	FT)	Renovated are		SUB-TOTAL	
st Floor	NONE	3500		NON	E	NONE	
	NONE	NONE		NON	Ξ	NONE	
	NONE	3500	0	NON	E	NONE	
REA of Project Tenant / Altera REA of New Construction:	3500		·				
CCUPANCY INFORMATION	: Retail Tennar	nt Space					
Occupancy: Assembly	□ A-1	□ A-2	☑ A-3 □ A-4	□ A-5			
Business Educational Factory	□ □ □ F-1 Mo	oderate	□ F-2 Low				
Hazardous Institutional	□ H-1 De		☐ H-2 Deflagerate ☐ I-2	☐ H-3 Cor ☐ I-3	nbust □ H-4 Healt	h 🗆 H-5 HPM	
Mercantile	I-3 Condition	□ 1	□ 2 □ 3	□ 4	□ 5		
Residential Storage	□ R-1 □ S-1 Mo	□ R-2 loderate	□ R-3 □ R-4 □ S-2		☐ High-piled		
Utility and Miscellaneous		ng Garage	□ Open □ Encl	osed	□ Repair Garage		
Accessory Occupancies: NO	NE □ A-1	□ A-2	□ A-3 □ A-4	□ A-5			
Business Educational							
Factory Hazardous Institutional	□ F-1 Mo □ H-1 De □ I-1		☐ F-2 Low ☐ H-2 Deflagerate ☐ I-2	□ H-3 Cor □ I-3	nbust □ H-4 Healt	h 🗆 H-5 HPM	
Mercantile	I-3 Condition	□ 1		□ 4	□ 5		
Residential Storage	□ R-1 □ S-1 Mo	□ R-2 loderate	□ R-3 □ R-4 □ S-2		☐ High-piled		
Utility and Miscellaneous		ng Garage	□ Open □ Encl	osed	□ Repair Garage		
□ Furnace room where □ Rooms with boilers w □ Refrigerant machine □ Hydrogen cutoff room □ Incinerator rooms □ Paint shops, not class □ Laboratories and voc □ Laundry rooms over □ Group I-3 cells equipp □ Group I-2 waste and □ Waste and linen colle □ Stationary storage ba ion capacity of 1,000	where the largest piece or com as, not classified as Group H, local ational shops, not class 100 square feet ped with padded surfact linen collection rooms ection rooms over 100 statery systems having a pounds used for facility a pumps oms over 100 square feel kitchens	of equipment is over oup H Ited in occupancies sified as Group H. I ces square feet a liquid electrolyte coy standby power, endet	other than Group F ocated in a Group E o apacity of more than 5 mergency power or un	r I-2 occupancy 50 gallons, or a lithiu			
□ Rooms containing fire □ Group I-2 storage roc □ Group I-2 commercia □ Group I-2 laundries e □ Group I-2 rooms or sp	qual to or less than 100 paces that contain fuel-		□ 405 □ 4	406 □ 407 418 □ 419	□ 408 □ 409 □ 421		
□ Group I-2 storage roc □ Group I-2 commercia □ Group I-2 laundries e □ Group I-2 rooms or sp	paces that contain fuel-		□ /17 □	418 🗆 419	□ 420 □ 421	□ 422 □ 423 □ 42	24 🗆 425
□ Group I-2 storage roc □ Group I-2 commercia □ Group I-2 laundries e □ Group I-2 rooms or sp Special Uses: NON	paces that contain fuel-	5 □ 416	□ 417 □ □ 509.4 □ 50	9.5 🗆 509	.6 □ 509.7	□ 509.8 □ 509.9	
□ Group I-2 storage roc □ Group I-2 commercia □ Group I-2 laundries e □ Group I-2 rooms or sp Special Uses: NON Special Provisions: Mixed Occupancy:	E	5	□ 509.4 □ 50		eeption:	□ 509.8 □ 509.9 	
□ Group I-2 storage roc □ Group I-2 commercia □ Group I-2 laundries e □ Group I-2 rooms or st Special Uses: NON Special Provisions: Mixed Occupancy: □ Incidental Use Se	E	5	□ 509.4 □ 50 Separation: □ □ 50 e exceptions). etermined by applying trestrictive type of contions calculated as recent the sum of the ratios e shall not exceed 1.	the height and area struction, so detern quired by paragraph of the actual floor a	limitations for each of lined, shall apply to the en 508.4.2.	tire building.	
□ Group I-2 storage roc □ Group I-2 commercia □ Group I-2 laundries e □ Group I-2 rooms or sp Special Uses: NON Special Provisions: Mixed Occupancy: □ Incidental Use Se This separation is □ Non-Separated U The required type the applicable occ □ Separated Use (5 For each story, th	E 402 403 415 426 427 509.2 No paration (508.2.5) not exempt as a Non-se (508.3) of construction for the cupancies to the entire (08.4) - See below for e area of the occupance by the allowable flood 508.4.2: Act	5	□ 509.4 □ 50 Separation: □ □ 50 e exceptions). etermined by applying trestrictive type of contitions calculated as rectit the sum of the ratios e shall not exceed 1.	Hr. Except the height and area struction, so determined by paragraph	limitations for each of lined, shall apply to the en 508.4.2.	pancy B ≤ 1	1.25
☐ Group I-2 storage roc ☐ Group I-2 commercia ☐ Group I-2 laundries e ☐ Group I-2 rooms or st Special Uses: NON Special Provisions: Mixed Occupancy: ☐ Incidental Use Se	E	5	□ 509.4 □ 50 Separation: □ e exceptions). etermined by applying t restrictive type of contitions calculated as red to the sum of the ratios e shall not exceed 1. ency A	the height and area struction, so determ quired by paragraph of the actual floor a	limitations for each of sined, shall apply to the en 508.4.2. Actual Area of Occur Allowable Area of Occur	pancy B ≤ 1	≤ 1.25 OR COMPLETIONS
Group I-2 storage roc Group I-2 commercia Group I-2 laundries e Group I-2 rooms or st Special Uses: NON Special Provisions: Mixed Occupancy: Incidental Use Se This separation is Non-Separated U The required type the applicable occ Separated Use (5 For each story, th of each use divide Separated Use Formula	E	5	© 509.4 © 50 Separation: e exceptions). etermined by applying trestrictive type of contitions calculated as red to the sum of the ratios e shall not exceed 1. ency A Decupancy A CASES (CALCULONTAGE INCREASE	the height and area struction, so determ quired by paragraph of the actual floor at th	limitations for each of sined, shall apply to the en 508.4.2. Actual Area of Occur Allowable Area of Occur SECTION FOR NEW, ADD	pancy B upancy B = SITION, CHANGE OF USE AND INTERIOR	
Group I-2 storage roc Group I-2 commercia Group I-2 laundries e Group I-2 rooms or st Special Uses: NON Special Provisions: Mixed Occupancy: Incidental Use Se This separation is Non-Separated U The required type the applicable occ Separated Use (5 For each story, th of each use divide Separated Use Formula	E	5	© 509.4 © 50 Separation: e exceptions). etermined by applying trestrictive type of contions calculated as red the sum of the ratios e shall not exceed 1. ency A Decupancy A	the height and area struction, so determ quired by paragraph of the actual floor at th	limitations for each of sined, shall apply to the en 508.4.2. Actual Area of Occur Allowable Area of Occur SECTION FOR NEW, ADD	pancy B upancy B =	
Group I-2 storage roc Group I-2 commercia Group I-2 laundries e Group I-2 laundries e Group I-2 rooms or sy Special Uses: NON Special Provisions: Mixed Occupancy: Incidental Use Se This separation is Non-Separated U The required type the applicable occ Separated Use (5 For each story, th of each use divide Separated Use Formula ALLOWABLE AREA & EXTERIOR WALL AGE ALLOWABLE AREA & EXTERIOR WALL AGE GROUP I-2 storage roc NON NON Special Provisions: NON ALLOWABLE AREA & EXTERIOR WALL AGE ALLOWABLE AREA & EXTERIOR WALL AGE ALLOWABLE AREA & EXTERIOR WALL AGE ALLOWABLE AREA & ALLOWAB	E	5	© 509.4 © 50 Separation: e exceptions). etermined by applying trestrictive type of contitions calculated as red to the sum of the ratios e shall not exceed 1. ency A Decupancy A CASES (CALCULONTAGE INCREASE	the height and area struction, so determ quired by paragraph of the actual floor at th	limitations for each of sined, shall apply to the en 508.4.2. Actual Area of Occur Allowable Area of Occur SECTION FOR NEW, ADD	pancy B upancy B = SITION, CHANGE OF USE AND INTERIOR	
Group I-2 storage roc Group I-2 commercia Group I-2 laundries e Group I-2 laundries e Group I-2 rooms or st Special Uses: NON Special Provisions: Mixed Occupancy: Incidental Use Se This separation is Non-Separated U The required type the applicable occ Separated Use (5 For each story, th of each use divide Separated Use Formula ALLOWABLE AREA & EXTERIOR WALL North South	E	5	© 509.4 © 50 Separation: e exceptions). etermined by applying trestrictive type of contitions calculated as red to the sum of the ratios e shall not exceed 1. ency A Decupancy A CASES (CALCULONTAGE INCREASE	the height and area struction, so determ quired by paragraph of the actual floor at th	limitations for each of sined, shall apply to the en 508.4.2. Actual Area of Occur Allowable Area of Occur SECTION FOR NEW, ADD	pancy B upancy B = SITION, CHANGE OF USE AND INTERIOR	

ALLOWABLE AREA CALCULATIONS:

STORY NO.	OCCUPANCY	(A) BLDG AREA PER STORY (ACTUAL)	(B) 5 TABLE 506.2 AREA (TYPE V-B)	(C) % OPEN SPACE INCREASE	(D) % SPRINKLER INCREASE 2	(E) ALLOWABLE FLOOR AREA OR UNLIMITED 3	RATIO OF ACTUAL/ ALLOWABLE A/E	(F) MAXIMUM BUILDING AREA ⁴	SEPARATION RATING REQUIRED
1	A-3	3500	6,000	NONE	NONE	6,000	0.58	6000	N/R

1 Frontage area increases from Section 506.2 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 of public way = ____ (W)

e. Percent of frontage increase I = 100 [F/P - 0.25] x W/30 = _____ (%) 2 The sprinkler increase per Section 506.3 is as follows:

a. Multi-story building I = 2 (200 percent) b. Single story building I = 3 (300 percent) 3 Unlimited area applicable under conditions of Sections Group B, F, M, S, A-4 (507.1,507.2,507.3,507.4,507.7);

Group A motion picture (507.10); Malls (507.11); and H-2 aircraft paint hangers (507.8). 4 Maximum Building Area = total number of stories in the building x E (506.4).

5 The maximum area of parking garages must comply with 406.3.5. The maximum area of air traffic control towers comply with 412.1.2. ALLOWABLE HEIGHT CALCULATIONS:

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Туре	V-B	Туре	TABLE 601
Building Height in Feet	Feet40	Feet = H + 20' =n/a	Feet <u>16</u>	TABLE 504.3
Building Height in Stories	Stories 1	Stories + 1 =n/a	Stories =1	TABLE 504.4

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE	RATING ** (TABLE 601)		DETAIL#	DESIGN#	DESIGN # FOR	DESIGN#
	SEPARATION DISTANCE (FEET)	REQ'D V-B	PROVIDED (w/* REDUCTION	AND SHEET#	FOR RATED ASSEMBLY	RATED PENETRATION	FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	N/R	0	N/A				
Bearing walls Exterior		0					
North		0					
East		0					
West		0					
South		0					
Interior Bearing Walls (COLUMNS)		0					
Nonbearing walls Exterior		0					
North		0					
East		0					
West		0					
South		0					
Interior Non-Bearing Walls		0					
Floor construction including supporting beams and joists		1					
Roof construction including supporting beams and joists		1					
Shafts Enclosures - Exit Enclosures		0					
Shafts Enclosures - Other (describe)		0					
Corridor Separation		0					
Occupancy Separation		0					
Party/Fire Wall Separation		0					
Smoke Barrier Separation		0					
Tenant Separation		0					
Incidental Use Separation		0					_

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENINGS CALCULATIONS (THIS SECTION REQUIRED FOR ADDITIONS, NEW AND CHANGE OF USE PROJECTS) ALLOWABLE OPENINGS MEET REQUIREMENTS OF 705.8. Allowable openings per Table 705.8

WALL LEGENDS (THIS SECTION REQUIRED FOR ALL PROJECTS)

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATE BY A ON AWALL LEGEND ☐ Fire Partitions 709 ☐ Fire Walls 706 ☐ Fire Barriers 707 ☐ Smoke Partitions 711 ☐ Smoke Barriers 710 ☐ Shaft Enclosure 708

(THIS SECTION REQUIRED FOR ALL PROJECTS) LIFE SAFETY SYSTEM REQUIREMENTS Emergency Lighting: Exit Signs:

Fire Alarm: Smoke Detection Systems: (DUCT DETECTORS) Panic Hardware:

(THIS SECTION REQUIRED FOR ALL PROJECTS) EXIT REQUIREMENTS NUMBER & ARRANGEMENT OF EXITS

FLOOR, ROOM AND/OR SPACE DESIGNATION	OR SPACE NUMBER OF EXITS		TRAV	'EL DISTANCE	ARRANGEMENT MEANS OF EGRESS (SECTION 1015.2)		
BEOIGNATION	REQUIRED	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1017.2)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN DOORS	ACTUAL DISTANCE SHOWN ON PLANS	
A-3	2	6	200 FT	65'-6"	42'-5"	50'-6"	

Corridor dead ends (Section 1018.4) Single exits (Section 1015.1; Section 1021.2) Common Path of Egress Travel (Section 1014.3)

Life safety systems generator:

(THIS SECTION REQUIRED FOR ALL PROJECTS) OCCUPANT LOAD AND EXIT WIDTH

	(a)	(b)	(a/b)	(c)	E	EXIT WIDTH ((in) 2,3,4	1,5
USE GROUP AND/OR SPACE DESIGNATION	AREA 1 SQ. FT.	AREA 1	NUMBER OF	EGRESS PER OCC (SECTION	CUPANT	REQUIRED (SECTION (a/b)(c)	1005.1)	ACTUAL SHOW PLA	
		OCCUPANT	OCCUPANTS	STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
Sanctuary	1498		104		0.20		20.8		128
Fellowship/Offices	1292		72		0.20		14.4		128
TOTAL # OF OCCUPANTS			176				35.2		256

See Table 1004.1.1 to determine whether net or gross area is applicable

2 Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1) 3 Minimum width of exit passageway (Section 1023.2)

4 The loss of 1 means of egress shall not reduce the availability capacity to less than 50% of the total req'd (Sect 1005.1) 5 Assembly occupancies (Section 1028)

ASSEMBLY OCCUPANCY INFORMATION			(THIS SECTION REQI	EAS)	
(a) SPACE DESCRIPTION	(b) AREA (SQ. FT.)	(c) * OCCUPANT LOAD FACTOR	(d) OCCUPANT LOAD (b/c)	(e) EXIT WIDTH	(e) EXIT QUANTITY
Sanctuary	1498	Fixed Seating	104 Occupants	128	3
Fellowship/Kitchen	404	7 Net/200 Gross	44 Occupants	96	2
Pastor's Office	287	100 Gross	3 Occupants	64	2
Classroom 1	84	7 Net	12 Occupants	32	1
Classroom 2	88	7 Net	12 Occupants	32	1
Secretary	62	100 Gross	1 Occupant	32	1
TOTAL # OF ASSEMBLY OCC	CUPANTS		176 Occupants		6

	LIFE SAFETY PLAN REQUIREMENTS	(THIS SECTION REQUIRED FOR ALL PROJECTS)
Life Safety Plan Sheet #:	Assembly A-3	
	☐ Fire and/or smoke rated wall locations (Chapter 7)	
	 Assumed and real property line locations 	
	 Exterior wall opening area with respect to distance 	e to assumed property lines (705.8)
	□ Existing structures within 30' of the proposed build	ding
	 Occupancy types for each area as it relates to occ 	cupant load calculation (Table 1004.1.1)
	Exit access travel distances (1016)	
	✓ Common path of travel distances (1014.3 & 1028.	8)
	□ Dead end lengths (1018.4)	
	Clear exit widths for each exit door	
	Maximum calculated occupant load capacity each	exit door can accommodate based on egress width (1005.1)
	✓ Actual occupant load for each exit door	
	□ A separate schematic plan indicating where fire ra	ated floor/ceiling and/or roof structure is provided for
	purposes of occupancy separation	
	☐ Location of doors with panic hardware (1008.1.10	
	 Location of doors with delayed egress locks and to 	he amount of delay (1008.1.9.7)
	 Location of doors with electromagnetic egress loc 	ks (1008.1.9.8)
	☐ Location of doors equipped with hold-open device	s
	☐ Location of emergency escape windows (1029)	
	☐ The square footage of each fire area (902)	

	ACCESSIBLE	DWELLING UNITS (S	ECTION 1107)	(THIS SECTION REQUIRED FOR ALL RESIDENTIAL PROJECTS)					
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								

□ Note any code exceptions or table notes that may have been utilized regarding the items above

☐ The square footage of each smoke compartment (407.4)

OCCUPANCY	WA	TER CLOSE	TS	URINALS	INALS LAVATORIES		SHOWERS/	DRINKING	FOUNTAINS	
	MALE	UNISEX	FEMALE		MALE	UNISEX	FEMALE	TUBS	REGULAR	ACCESSIBLE
Religious Assembly A-3	3	1	3		3	1	3			
TOTAL REQUIRED	2	0	2		2	0	2			
TOTAL PROVIDED THIS PROJECT	3	1	3		3	1	3			

DRAIN SIZE	BUILDING DRAINS	FIXTURE UNIT LOAD	SERVICE SIZE (INCHES)	WATER SERVICES	FIXTURE UNIT LOAD	
4"	1	24	2	1	28	

STRUCTURAL DESIGN LOADS		(THIS SECTION REQUIRED FOR NEW CONSTRUCTION PROJECTS)
EXISTING OCCUPIED BUILDING NO STRUCTURAL RENOVA	TIONS	
Structure conforms to Conventional Light Frame Provisions of 2308		
1 Yes, continue No, Go to Line 9		
2 Roof Live Load =		PSF
3 Floor Live Load =		PSF
4 Ground Snow Load (Pg) =		PSF
5 Basic Wind Speed, 3 sec gust =		MPH
6 Seismic Site Class =		MFTI
7 Seismic Design Category =		
8 Go to Line 44		
9 Live Loads		Area
10 Floor Live Load (indicate area) =		
11 Floor Live Load (indicate area) =		
12 Floor Live Load (indicate area) =		
13 Live Load Reduction used in Design	□ Yes	No
14 Roof Live Load =		
15 Roof Snow Load Data		
16 Flat-Roof Snow Load (Pf) =		
17 Snow Exposure Factor (Ce) =		
18 Snow Importance Factor (Is) =		
19 Thermal Factor (Ct) =		
20 Wind Design Data		
21 Basic Wind Speed, 3 sec gust =		
22 Wind Importance Factor (Iw) =		
22 Mind Function		
23 Wind Exposure 24 Internal Pressure Coefficient		
24 Internal Pressure Coefficient		
25 Components and Cladding Loads =		
26 Wind Base Shear, Wx		
27 Wind Base Shear, Wyx		
28 Earthquake Design Data		
29 Seismic Importance Factor (le) =		
30 Occupancy Category		
31 Mapped Spectral Response Acceleration Ss		
32 Mapped Spectral Response Acceleration S1		
33 Site Class		(Provide soils report is Site Class is not "D")
34 Spectral Response Coefficient, Sds =		
35 Spectral Response Coefficient, Sd1 =		
36 Seismic Design Category =		
37 Building (Structural) System		
38 Basic Seismic Force Resisting System		
39 Seismic Response Coefficient (Cs) =		
40 Response Modification Factor, R =		
41 Analysis Procedure Used =		KIPS
42 Seismic Base Shear, Sx		KIPS
43 Seismic Base Shear, Sy44 Soils Data		INI U
45 Presumptive Soil Bearing Pressure =		PSF
46 Bearing Pressure per Soils Report =		PSF
47 Deep Foundation Type		
48 Deep Foundation Allowable Loads		TONS, downward
49 Uplift		KIPS
50 Lateral		KIPS

ACCESSIBLE PARKING (SECTION 1106) (THIS SECTION FOR NEW, ADDITION, CHANGE OF USE AND INTERIOR COMPLETIONS)

LOT OR PARKING AREA	TOTAL # OF PARKING SF	PACES	# OF ACCESSIBLE SPACES			
	PEOLIBED PROVIDED		REGULAR WITH 5' ACCESS AISLE	132" ACCESS		TOTAL # ACCESSIBLE PROVIDED
			ACCESS AISLE	AISLE AISLE		TROVIDED
EXISTING	21	34	1			1
NEW						
TOTAL	21	34	1			1

ENERGY SUMMARY (THIS SECTION FOR NEW, ADDITION, CHANGE OF USE AND INTERIOR COMPLETIONS) 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

Climate Zone: Method of Compliance: (Energy Code) (Energy Code) (ASHRAE 90.1)ance (ASHRAE 90.1) □ Performance

THERMAL ENVELOPE (SEE DRAWING SHEET _____) OR COMCHECK PRINTOUT.

cost for the proposed design.

MECHANICAL SUMMARY (SEE DRAWING SHEET _____) (THIS SECTION REQUIRED FOR ALL PROJECTS THAT INCLUDE MECHANICAL DESIGN.) (THIS SECTION REQUIRED FOR ALL PROJECTS THAT INCLUDE ELECTRICAL DESIGN.) ELECTRICAL SUMMARY (SEE DRAWING SHEET _____)



PROPERTY OF TPDCLLC DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN PROPERTY OF THE DESIGNER WHETHER THE PROJECT FOR WHICH THEY ARE MADE FOR IS EXECUTED THE DRAWINGS AND SPECIFICATIONS

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TO THIS PROJECT OR FOR COMPLETION

OF THIS PROJECT BY OTHERS EXCEPT

BY AGREEMENT IN WRITING WITH THE

DESIGNER.

APPROPRIATE COMPENSATION TO THE

IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/ OR BUILDER TO CONFORM TO ALL STANDARDS, PROVISIONS, REQUIREMENTS, METHODS OF CONSTRUCTION AND USES OF MATERIALS, IN BUILDING CODES ANY OTHER LOCAL AGENCIES AND IN ACCORDANCE WITH GOOD ENGINEERING AND CONSTRUCTION PRACTICES.

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Consultant/Lead Designer:



k of Salvation Church 36 Line Rd Cameron, NC Rock

Appendix

	L	
Revisions:		

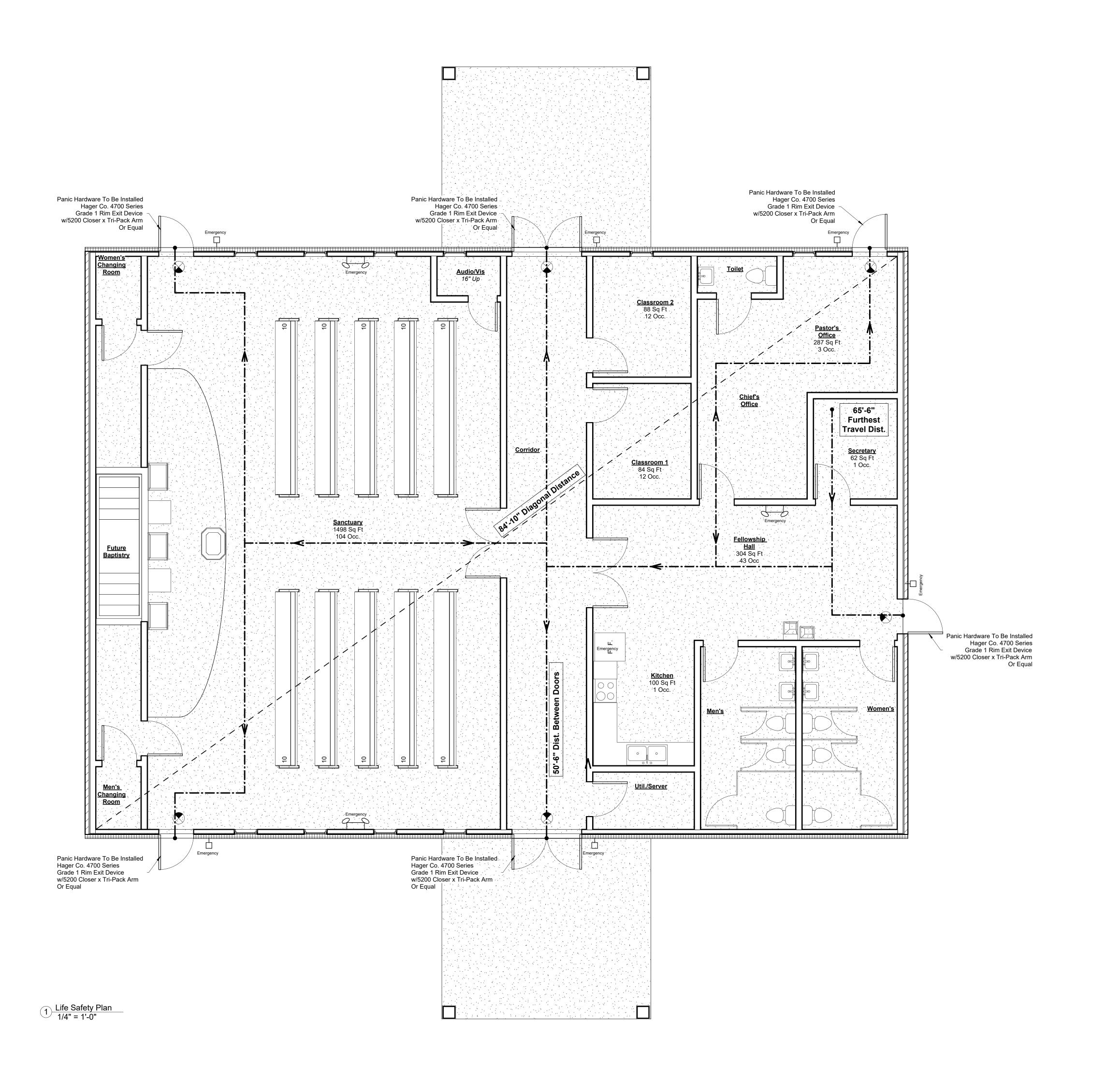
SCALE:

DATE:

October 28, 2024

Project number 10282400002 TP Drawn by

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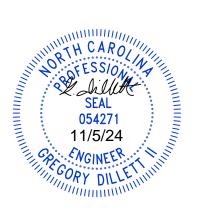
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Consultant/Lead Designer:



Rock of Salvation Church 36 Line Rd Cameron, NC

Life Safety

Revisions:

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October 28, 2024

1/4" = 1'-0"

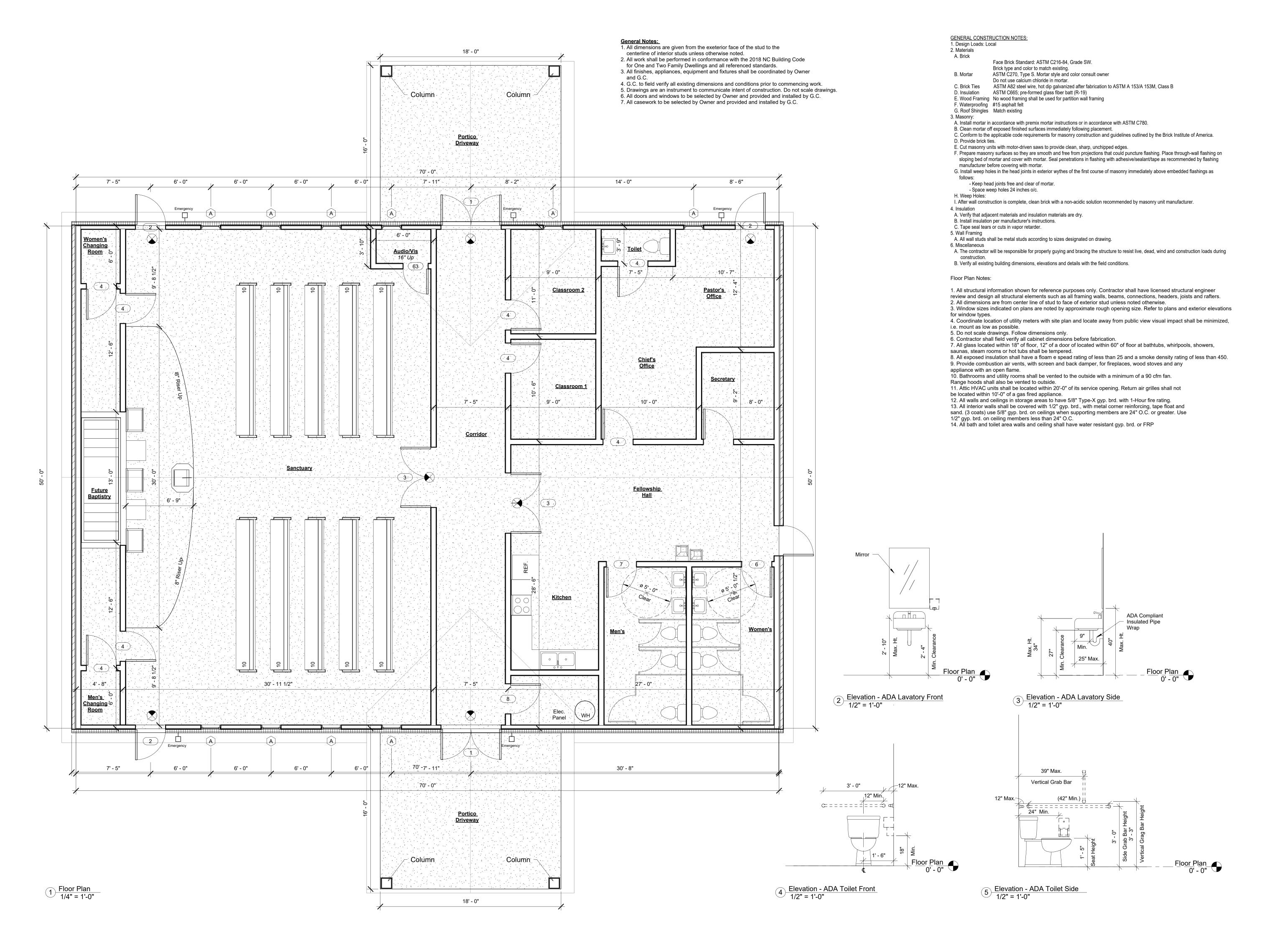
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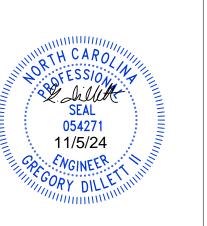
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Consultant/Lead Designer:



Rock of Salvation Church 36 Line Rd Cameron, NC Floor Plan

Revisions:

SCALE:

DATE:

October 28, 2024

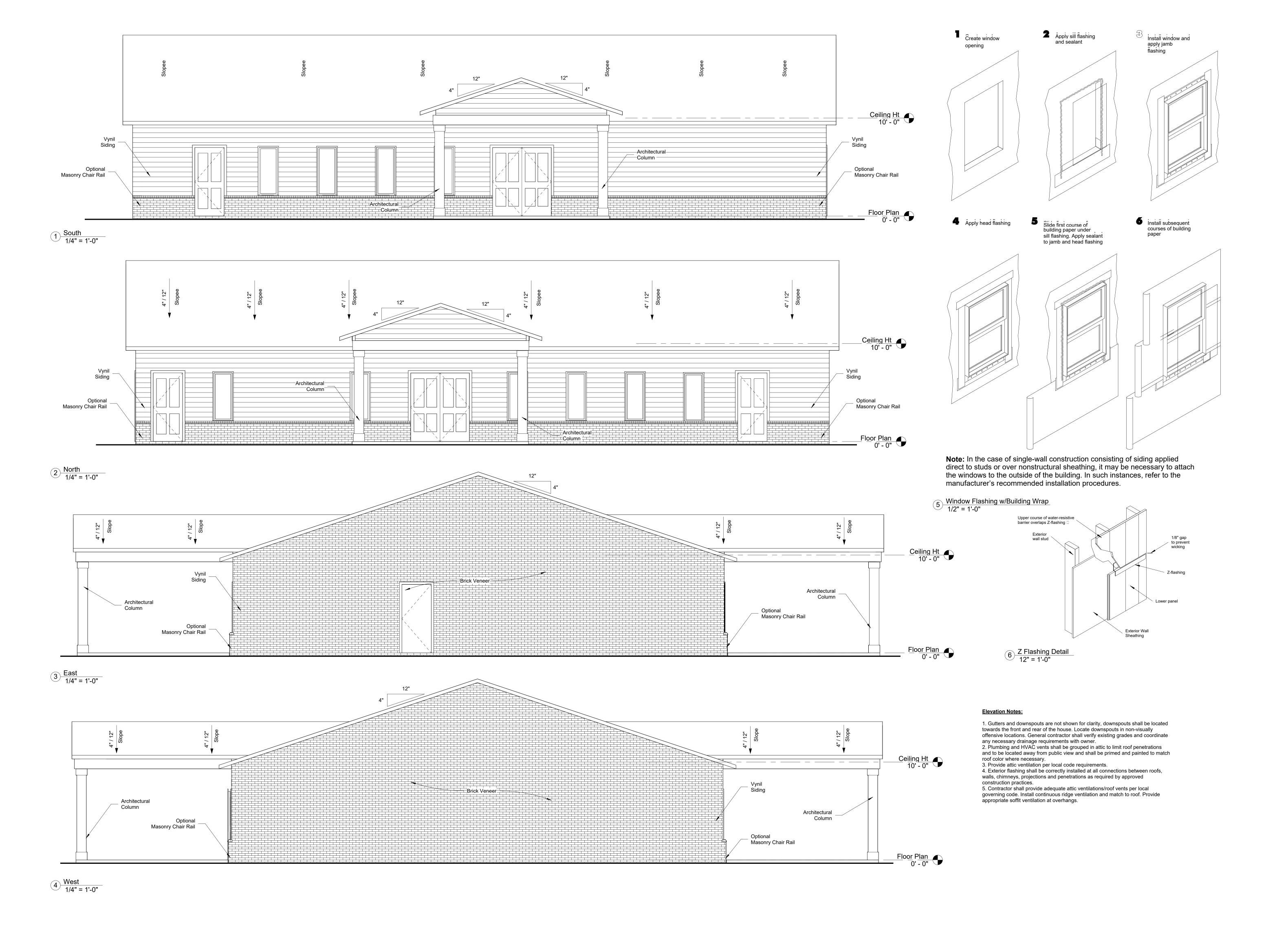
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Project number 10282400002

10282400

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Checked by TP

A-1.2



LLC
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Consultant/Lead Designer:



Rock of Salvation Church 36 Line Rd Cameron, NC

Elevations

Revisions:

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DATE: October 28, 2024

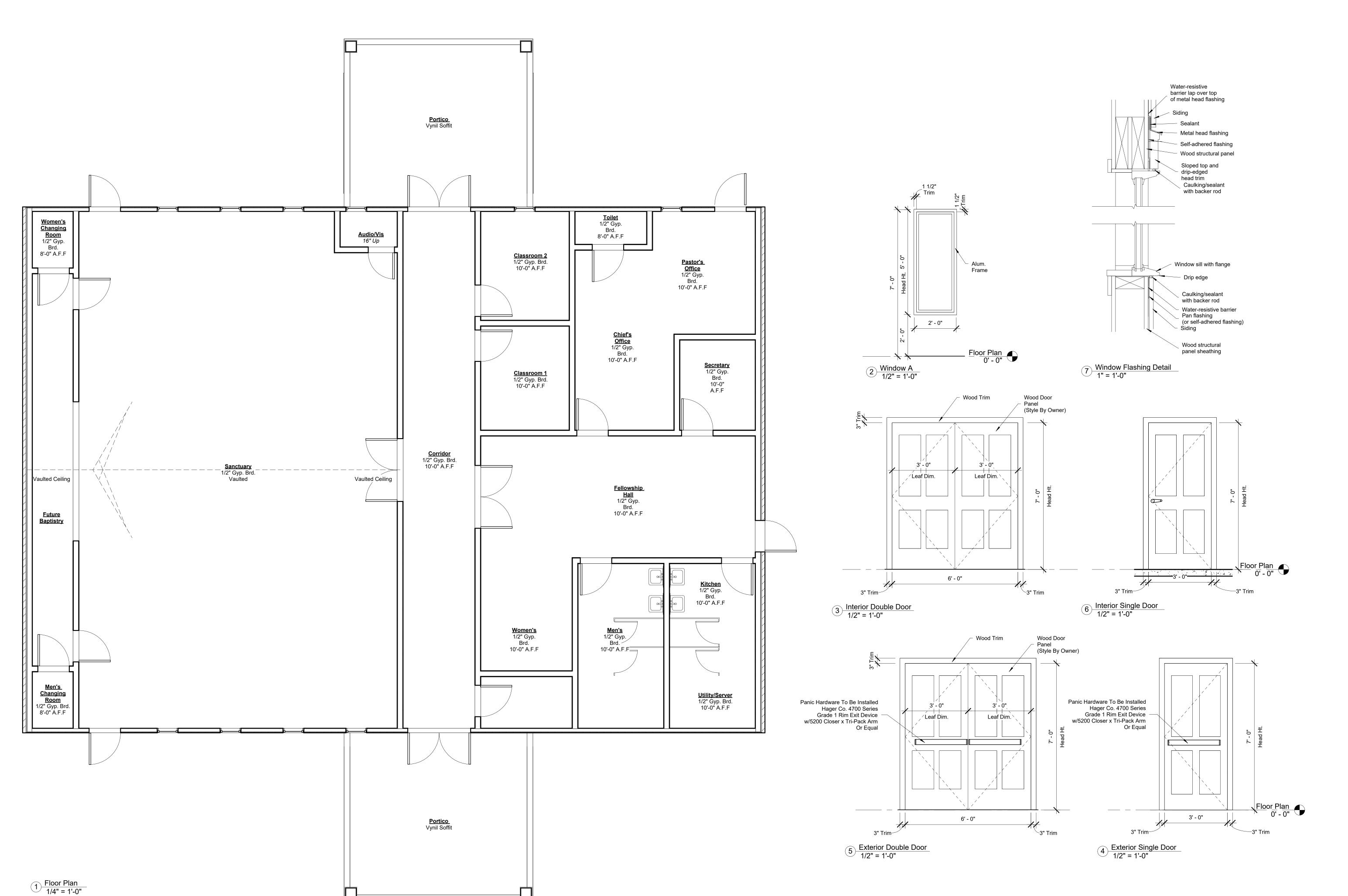
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Consultant/Lead Designer:



k of Salvation Church 36 Line Rd Cameron, NC Reflected Ceiling Plan Rock

Revisions:

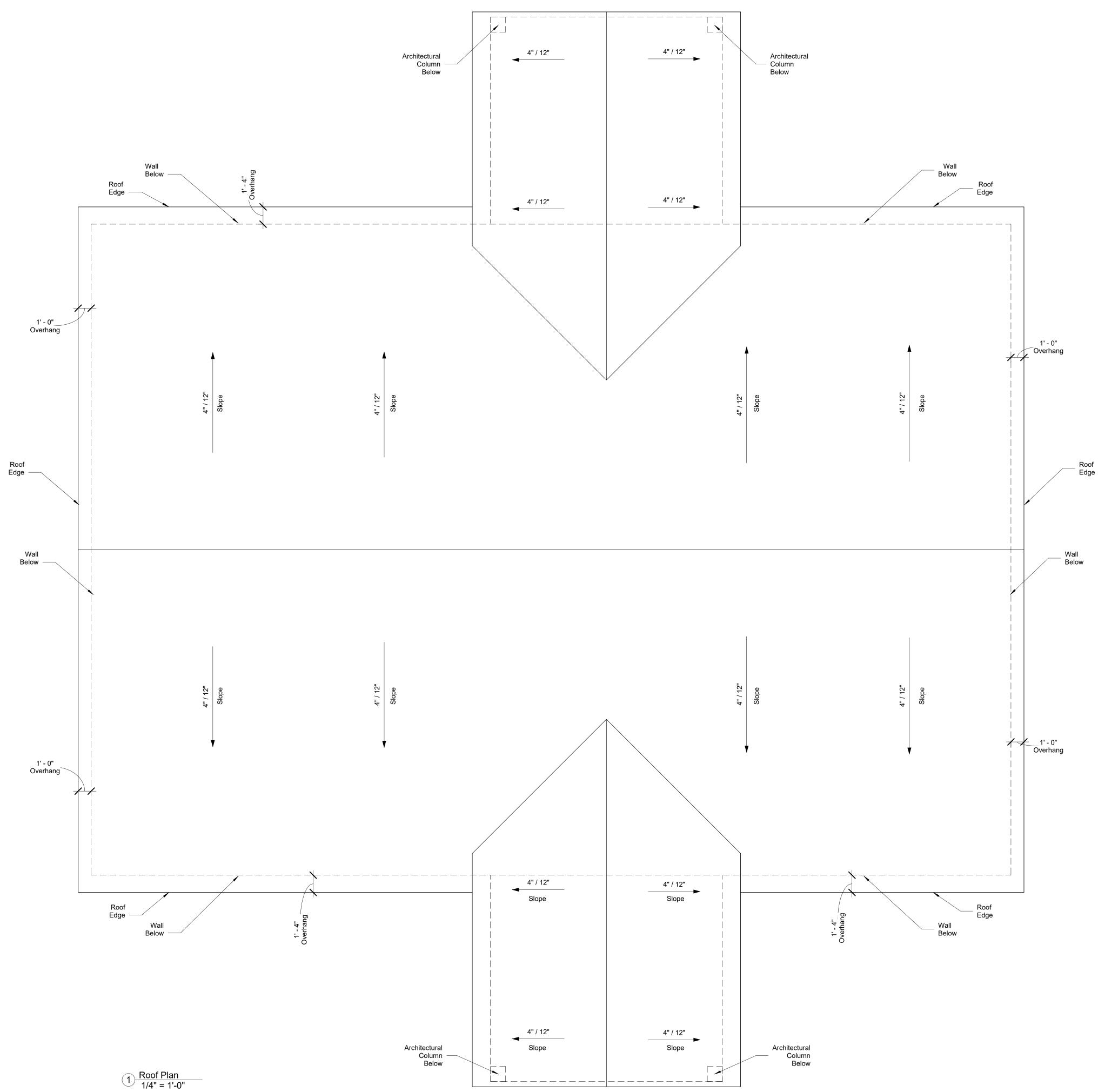
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DATE: October 28, 2024

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Roofing Ventilation Section R806

R806.1 Ventilation Required. Enclosed attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of the roof rafters shall have cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of 1/16 inch minimum nad 1/4 inch maximum. Ventilation opening having a least dimension larger than 1/4 inch shall be provided with corosion-resistant wire cloth screening, hardware cloth, or similar material with openings having a least dimension of 1/16 inch minimum and 1/4 inch maximum. Openings in roof framing members shall conform to the requirements of Section 802.7.

R806.2 Minimum Area. The total net free ventilating area shall not be less than 1/150 of the area of the space ventilated except that reduction of the total area to 1/300 is permitted provided that at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in teh upper portion of the space to be ventilated at least 3 feet above the eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1/300 when Class I or Class II vapro retarder is installed on the warm-in-winter side of the ceiling. Exceptions:

1. Enclosed attic/rafter spaces requiring less than 1 square foot of ventilation may be vented with continuous soffit ventilation only.

2. Enclosed attic/rafter spaces over unconditioned space may be vented with continuous soffit ventilation only.

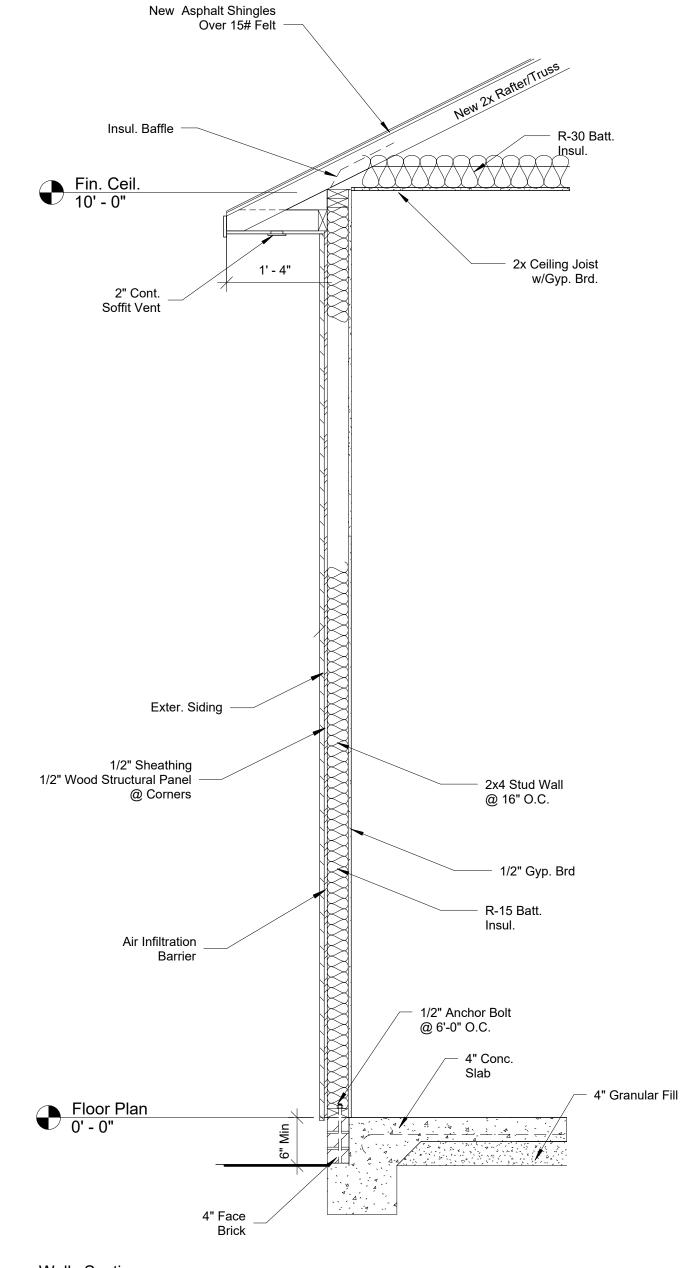
Square Footage Being Ventilated:

Net Free Cross Ventilation Needed:
 Without 50% to 80% of venting 3'-0" Above Eave:

27.50 Sq. Ft. With 50% to 80% of venting 3'-0" above eave or Class I or ClassII Vapor Retarder:

13.75 Sq. Ft

4124 Sq. Ft.



Walls Section 3/4" = 1'-0"



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Consultant/Lead Designer:



Rock of Salvation Church 36 Line Rd Cameron, NC Roof Plan

Revisions:

SCALE: As indicated

DATE:

October 28, 2024

Project number

10282400002

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PARAMETERS DESIGN IBC 2024

LOADS: WIND DESIGN 1. BASIC WIND SPEED (3-SECOND GUST), MILES PER HOUR = 117 2. WIND IMPORTANCE FACTOR, I=1.0 AND OCCUPANCY CATEGORY = II 3. WIND EXPOSURE CATEGORY: C 4. THE APPLICABLE INTERNAL PRESSURE COEFFICIENT =0.18 SEISMIC DESIGN 1. SEISMIC IMPORTANCE FACTOR, I=1.0, AND OCCUPANCY CATEGORY = II 2. MAPPED SPECTRA RESPONSE ACCELERATIONS, Ss=0.15g AND S1=0.071g 3. SITE CLASS = D 4. SPECTRA RESPONSE COEFFICIENTS, SDS=0.160g 5. SEISMIC DESIGN CATEGORY = C 6. CANTILEVERED COLUMN SYSTEMS DETAILED TO CONFIRM TO TIMBER FRAMES. 7. BASE SHEAR =13700 LBS 8. BUILDING WEIGHT = 141000 LBS 9. SEISMIC RESPONSE COEFFICIENT(S), Cs=0.0246 (ASD) 10. RESPONSE MODIFICATION FACTOR(s), R = 1.5 11. ANALYSIS PROCEDURE USED : EQUIVALENT LATERAL FORCE PROCEDURE 12. REDUNDANCY FACTOR USED: 1.3 13. ASSUMED BEARING VALUE OF SOILS = 1500 PSF. **BASIS OF DESIGN** ROOF LIVE LOAD = 30 PSF

REINFORCING:

ROOF DEAD LOAD

•EX. WALL DEAD LOAD

INTERIOR DEAD LOAD

ALL REINFORCING SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF ACI 318, CRSI SPECIFICATIONS AND HANDBOOK, AND THE STEEL REINFORCING DETAILING MANUAL. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 (Fv = 60 KSI) DEFORMED BARS FOR ALL BARS UNLESS NOTED OTHERWISE. ALL GRADE 60 REINFORCING TO BE WELDED SHALL BE ASTM A706. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WITH THE WIRE CONFORMING TO ASTM A82. REINFORCING BARS SHALL NOT BE TACK WELDED. REINFORCING BAR SPACING AS SHOWN ARE MAXIMUM ON CENTER SPACING. CLEAR CONCRETE COVERAGE SHALL BE AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ------ 3" EXPOSED TO EARTH OR WEATHER:

#6 OR LARGER ----- 2" #5 AND SMALLER ------ 1 1/2"

= 25 PSF

= 16 PSF

= 10 PSF

ALL OTHER PER LATEST EDITION OF ACI 318.

LAP SPLICES IN CONCRETE: (BARS) LAP SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES AS DESCRIBED IN THE LATEST EDITION OF ACI 318 UNLESS OTHERWISE NOTED. LAP SPLICES IN CONCRETE COLUMNS SHALL BE STANDARD COMPRESSION LAP SPLICES. SPLICES SHALL BE STAGGERED A MINIMUM OF ONE LAP LENGTH. (WELDED WIRE FABRIC) WELDED WIRE FABRIC SHALL BE LAPPED SUCH THAT THE OVERLAP, MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET, IS GREATER THAN THE SPACING OF CROSS WIRES PLUS 2 INCHES. PLACE ALL WELDED WIRE FABRIC ON GALVANIZED CHAIRS TO ACHIEVE PROPER CLEARANCES AND CONCRETE COVER.

ALL SPLICE LOCATIONS ARE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. BENT CORNER BARS SHALL BE PLACED AT ALL CORNERS AND INTERSECTIONS AND SHALL MATCH AND LAP WITH HORIZONTAL BARS AS INDICATED IN | CLOSURE POURS SHALL BE CAST AROUND COLUMNS ONLY AFTER THE STRUCTURE DEAD LOAD HAS BEEN APPLIED TO THE THE TYPICAL DETAILS. ALL BENT BARS SHALL BE COLD BENT. ALL VERTICAL REINFORCING SHALL BE DOWELED INTO | COLUMN. FOOTINGS WITH STANDARD 90 DEGREE HOOKS UNLESS NOTED OTHERWISE. CONCRETE COLUMN DOWEL EMBEDMENT SHALL BE A STANDARD COMPRESSION DOWEL WITH EMBEDMENT LENGTH ACCORDING TO THE LATEST EDITION OF THE

ALL REINFORCING AND EMBEDDED ITEMS SUCH AS PLATES, BOLTS, ETC. SHALL BE IN PLACE AND PROPERLY SECURED PRIOR TO PLACING GROUT OR CONCRETE. IN NO CASE SHALL ITEMS BE "WET SET" OR STABBED INTO UNSET GROUT OR CONCRETE. REINFORCING SHALL BE SECURED IN PLACE SO AS TO AVOID MOVEMENT DURING PLACEMENT.

GENERAL NOTES

- NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY RESPONSIBILITIES OF THE OWNER, CONTRACTOR, ARCHITECT, ENGINEER, SUPPLIER, OR ANY OF THE CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD (S.E.R.) OR ANY OF THE S.E.R. 'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
- REFERENCE TO STANDARD SPECIFICATIONS (CONCERNING STRUCTURAL DESIGN) OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD CODES. SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS. UNLESS SPECIFICALLY STATED OTHERWISE.
- IN THE EVENT CONTRACT DOCUMENTS CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, AISI, SJI OR OTHER STANDARDS, CONTACT STRUCTURAL ENGINEER FOR CLARIFICATION.
- NOTES AND SPECIFIC DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. CONTACT THE ARCHITECT / ENGINEER FOR A DETERMINATION OF INTENT BEFORE PROCEEDING WITH RELATED WORK IF THERE IS ANY DISCREPANCY OR QUESTION REGARDING WHICH NOTE TO
- 5. MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
- THE CONTRACTOR SHALL VERIFY THE DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT / ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY.
- 7. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 8. THE CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL WORKS WITH THE STRUCTURAL CONTRACT DOCUMENTS. THE ARCHITECT / ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS.
- 9. THE CONTRACTOR SHALL NOTIFY, IN WRITING, THE ENGINEER OF CONDITIONS ENCOUNTERED IN THE FIELD THAT ARE CONTRADICTORY TO THOSE SHOWN ON THE CONTRACT DOCUMENTS.
- 10. FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SEE THE ARCHITECTURAL DRAWINGS.

DEFERRED SUBMITTALS: (PER IBC 2024)

THE DESIGN OF THE FOLLOWING ITEMS SHALL BE PROVIDED AS "DEFERRED SUBMITTAL" ITEMS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE SECTION 106.3.4.2.

"PREFAB TRUSS"

THE DESIGN OF THE ITEMS LISTED SHALL BE SUBMITTED BY THE CONTRACTOR TO THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO WILL REVIEW THE DOCUMENTS. THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL PROVIDE NOTATION ON THE DOCUMENTS AFTER THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. UPON ACCEPTANCE BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, THE CONTRACTOR SHALL SUBMIT THE DOCUMENTS TO THE BUILDING OFFICIAL. DO NOT INSTALL ANY DEFERRED SUBMITTAL ITEMS UNTIL THE DESIGN HAS BEEN ACCEPTED BY THE BUILDING OFFICIAL

RESEARCH REPORT										
ICC-ES REPORT #										
HOLDOWNS	ESR-2330	SHOT PINS	ESR-1799							
U HANGER	ESR-2549	FRAMING CLIPS	ESR-2606							
CC COLUMN CAP	ESR-2604	PARALLAM	ESR-1387							

	_			
	1.	STRUCTURAL LUMBER SHALL BE GRADE-	MARKED DOUGLAS FIR-LARCH	
		BEAMS	4x OR BIGGER	No. 1 & No. 2
		STUD	2x4 OR 2x6	No. 2
		0100	ZAT OK ZAO	110. 2
		POSTS	4x OR BIGGER	No. 2
	2.	SILLS OR PLATES BEARING ON CONCRET	<u>E OR MASONRY</u> WHICH IS WITHIN 48" OI	F EARTH SHALL BE
		PRESSURE TREATED, OR EQUAL, WOOD SI	LL PLATES SHALL BE BOLTED TO THE FOU	NDATION WITH 5/8"
		DIAMETER x 10" BOLTS 4'-0" o.c. 12" MIN	FROM ENDS, OR 2 BOLTS MIN. PER PIECE.	WHERE DIFFERENT
		SIZES AND/OR SPACING ARE REQUIRED	, THEY SHALL GOVERN. INSTALL WITH	3"x3"x1/4" PLATE
		WASHER AT EACH ANCHOR BOLT.		
	3.	JOISTS SHALL BE BLOCKED AT SUPPORTS	AND BRIDGED OR BLOCKED AT INTERVA	LS OF 8 FT WHERE
		JOISTS ARE 2x12 OR DEEPER.		
	4.	JOISTS UNDER NON-BEARING PARTITIONS	•	
	5.	LAGBOLTS (& SCREWS) SHALL BE PRE-DR	ILLED TO SHANK DIAMETER AND FULL DE	PTH AND SCREWED
		(NOT DRIVEN) INTO PLACE.		
	6.	CUT WASHERS SHALL BE PLACED UNDE		
		LAGBOLTS. ONE CUT WASHER SHALL BE U	ISED FOR BOLTS CONNECTING WOOD LED	GERS TO CONCRETE
		OR MASONRY WALLS.		
	7.	ALL HARDWARE USED FOR WOOD CONN		
		PER MANUFACTURERS RECOMMENDATIO		BE PERMITTED IF
	•	WRITTEN APPROVAL AND ACCEPTANCE IS		
	8.	ALL LUMBER SHALL HAVE A MOISTURE CO	UNTENT NOT TO EXCEED 19% AT THE TIME	IE OF FABRICATION
	0	OR CONSTRUCTION.	SEADED CHANG DIA AND PHILDIA FOI	O CMOOTH CHANK
	9.	PROVIDE LEAD HOLE 40%-70% OF THE PORTION.	READED SHANK DIA. AND FULL DIA. FUI	R SMOUTH SHANK
5	10	PLACE 2" FIREBLOCKING IN STUD WALLS A	T CELLING AND ELOOD LEVELS AT EACH 1	ט' עבוכעד הב פדווהפ
	10.	AND BETWEEN STAIR STRINGERS AT SUPP	•	TIEIGHT OF STODS,
)	11	PARALLAM COLUMNS MUST BE FABRICAT		RADE
		GLU-LAM BEAMS MUST BE FABRICATED IN		
	14.	GLO LAND DEANS PROST DE LADRICATED IN	THE GENERAL SHOP & SHALL DE 241 - V4 GIV	700.
	CO	NCDETE:		

CONCRETE:

ALL CONCRETE CONSTRUCTION AND DETAILING SHALL CONFORM TO THE LATEST EDITION OF ACI 318 MINIMUM 28 DAY COMPRESSIVE STRENGTH (F'c) SHALL BE AS FOLLOWS:

2500 PSI

2500 PSI

SLABS ON GRADE -

WOOD CONSTRUCTION

ALL CONCRETE IS TO BE MECHANICALLY VIBRATED WHEN PLACED, EXCEPT SLABS ON GRADE NEED BE VIBRATED ONLY AROUND UNDER-FLOOR DUCTS, PENETRATIONS, ETC. CONCRETE SHALL BE DEPOSITED AS NEAR AS POSSIBLE TO ITS FINAL POSITION AND SHALL BE PLACED SO AS TO AVOID SEGREGATION. VIBRATING EQUIPMENT SHALL NOT BE USED TO MOVE CONCRETE INTO POSITION. ALL REINFORCING, EMBED PLATES, ANCHORS, ETC, SHALL BE IN PLACE AND PROPERLY SECURED PRIOR TO PLACING CONCRETE. "WET STABBING" IS NOT ALLOWED.

ALL CONCRETE SLABS ON GRADE SHALL BE BOUND BY KEYED OR SAW CUT CONTROL JOINTS AS SHOWN ON THE FOUNDATION PLAN, SUCH THAT THE ENCLOSED AREA DOES NOT EXCEED 400 SQUARE FEET, UNLESS APPROVED OTHERWISE IN WRITING BY THE ARCHITECT. KEYED CONTROL JOINTS NEED TO OCCUR ONLY AT SLAB EDGES LEFT EXPOSED DURING PLACEMENT. ALL OTHER JOINTS MAY BE SAW CUT.

CONTRACTOR IS TO VERIFY LOCATION OF ALL CONTROL JOINTS IN CONCRETE SLABS OVER PRECAST ELEMENTS WITH THE PRECAST MANUFACTURER.

REVIBRATE TOPS OF CAISSONS 15 MINUTES AFTER PLACING CONCRETE.

INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND | FLY ASH - IF PERMITTED BY ARCHITECTURAL SPECIFICATIONS OR REQUESTED BY CONTRACTOR, SHALL BE LIMITED TO 18% OF CEMENTITIOUS MATERIALS AND SHALL HAVE A REPLACEMENT FACTOR OF 1.2 RELATIVE TO CEMENT REPLACED.

NO FLY ASH ADDITIVES SHALL BE USED IN FLATWORK OR ARCHITECTURALLY EXPOSED CONCRETE.

ALL CONCRETE THAT WILL BE SUBJECTED TO FREEZING TEMPERATURES DURING ITS LIFE, INCLUDING WHILE WET, SHALL HAVE A WATER-CEMENT RATIO NOT EXCEEDING 0.53 BY WEIGHT AND SHALL CONTAIN ENTRAINED AIR PER ACI 301. SUCH CONCRETE SHALL BE PROVIDED FOR EXTERIOR SLABS, PERIMETER STEMS AND FOUNDATIONS, EXTERIOR CURBS AND

CONSTRUCTION DOCUMENTS. IN NO CASE SHALL THERE BE LESS THAN 4 SETS OF SHIMS BELOW EACH PANEL.

NAILING SCHEDULE

CONNECTIONS	NAILING
POST TO PIER PAD, TOE NAIL	3-16d OR 4-8d
GIRDER TO POST, TOE NAIL	3-16d OR 4-8d
JOIST TO SILL OR GIRDER, TOE NAIL	3-8d
BRIDGING TO JOIST, TOE NAIL EACH END	2-8d
JOISTS TO BLOCKING, END NAIL	16d TOP AND BOTT. OF EACH JOIST
RIM JOIST TO JOISTS, END NAIL	16d TOP AND BOTT. OF EACH JOIST
RIM JOIST TO SILL, TOE NAIL	16d @ 16" O.C.
FLOOR JOIST LAP @ BEARING, FACE NAIL	2-16d
1"x6" OR NARROWER SUB FLOOR SHEATHING TO EACH JOIST, FACE NAIL	2-8d
WIDER THAN 1"x6" SUB FLOOR SHEATHING TO EACH JOIST, FACE NAIL	3-8d
2" SUB FLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d
SOLE PLATE TO JOIST OR BLOCKING NAIL	16d @ 16" O.C.
TOP PLATE TO SOLE PLATE TO STUD, END NAIL	2-16d
STUD TO SOLE PLATE	2-16d END NAIL OR 4-8d TOE NAIL
DOUBLE STUDS, FACE NAIL	16d @ 24" O.C.
DOUBLE TOP PLATES, FACE NAIL	16d @ 16" O.C.
TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2-16d
CONTINOUS HEADER, TWO PIECES SET ON EDGE	16d @ 16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOE NAIL	3-8d
CONTINOUS HEADER TO STUD, TOE NAIL	4-8d
CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL	3-16d
CEILING JOISTS TO PARRALEL RAFTERS, FACE NAIL	3-16d
RAFTER TO RIDGE	3-8d
RAFTER TIES, 2" LUMBER, FACE NAIL	3-16d
RAFTER TIES, 1" LUMBER, FACE NAIL	5-8d
RAFTER TO PLATE NAIL	3-8d
1"x4" MIN. BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d
1"x8" OR NARROWER SHEATHING TO EACH BEARING, FACE NAIL	2-8d
WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL	3-8d
BUILD-UP CONNER STUDS	16d @ 24" O.C.
* COMMON OR GALVANIZED BOX NAILS	

ABBREVIATIO		GA —	CACE
A.B.C. ——— A.F.F. ———	——— AGGREGATE BASE COURSE ——— ABOVE FINISHED FLOOR	GALV —	GAGE GALVANIZED
		G.S.N.	
ALT. ——— A.B. ———	——— ALTERNATE ——— ANCHOR BOLT	GLB —	GENERAL STRUCT'L NOTES GLUED-LAMINATED BEAM
@ ——	AT (MEASUREMENT)	I.F.W.	INSIDE FACE OF WALL HORIZONTAL
BM ———	BEAM	HORIZ	
B.F.F ——	BELOW FINISHED FLOOR	K(KIP)	1000 POUNDS
B.O.B. ———	BOTTOM OF BEAM	L.L.	LIVE LOAD
B.O.D. ———	BOTTOM OF DECK	LBS (#)	POUNDS
B.O.F. ———	——— BOTTOM OF FOOTING	LLH —	LONG LEG HORIZONTAL
BRG ——	——— BEARING	LLV	LONG LEG VERTICAL LONG SIDE HORIZONTAL
C.I.P. ———	——— CAST IN PLACE	LSH —	
CJ ——	——— CEILING JOIST	LSV	LONG SIDE VERTICAL
C.L. ——	——— CENTERLINE	MFR('S)	MANUFACTURER('S)
C.L.B.	CENTERLINE OF BEAM	MAS C.J.	MASONRY CONTROL JOINT
C.L.C.	CENTERLINE OF COLUMN	MECH'L —	MECHANICAL
C.L.F.	CENTERLINE OF FOOTING	MLB —	MICROLLAM BEAM
C.L.L. ———	CENTERLINE OF LEDGER	N/A —	NOT APPLICABLE
C.L.W. ———	CENTERLINE OF WALL	N.T.S.	NOT TO SCALE
CLR —	CLEAR	O.C. —	ON CENTER
CONC.	CONCRETE	o.f.W.	OUTSIDE FACE OF WALL
CONC C.J.	——— CONCRETE CONTROL JOINT	ОРР —	OPPOSITE
CONC S.J. ———	——— CONCRETE SAWCUT JOINT	P.C. —	PRECAST CONCRETE
C.M.U. ———	CONCRETE MASONRY UNIT	PLF —	POUNDS PER LINEAR FOOT
CONN —	CONNECTION	PREFAB —	PREFABRICATED
CONT. —	CONTINUOUS	PSF —	POUNDS PER SQUARE FOOT
DEG —	DEGREE	PSI —	POUNDS PER SQUARE INCH
D.L. ——	DEAD LOAD	REINF —	REINFORCING
øOR DIA.	—— DIAMETER	RJ —	ROOF JOIST
DN ——	—— DOWN	RR —	ROOF RAFTER
DWG(S) ——	DRAWING(S)	SLH —	SHORT LEG HORIZONTAL
E.O.S. ———	EDGE OF SLAB	SLV —	SHORT LEG VERTICAL
EQ ——	——— EQUAL	SIM —	SIMILAR
EQUIP ——	EQUIPMENT	SQ.	SQUARE
EAXP. BOLT —	EXPANSION BOLT	STD —	STANDARD
EXP. JT (E.J.) ——	EXPANSION BOLT EXPANSION JOINT	T.L.	TOTAL LOAD
E.W. ——	EACH WAY	T.O.B. —	TOP OF BEAM
F.F. ——		T.O.D. —	TOP OF DECK
FJ —	FINISHED FLOOR FLOOR JOIST	T.O.F. —	TOP OF FOOTING
F.O.M. ——	FACE OF MEMBER	T.O.L. —	TOP OF LEDGER
F.O.S. ———	FACE OF STEEL	T.O.M. —	TOP OF LEDGER TOP OF MASONRY
F.O.W. ———	FACE OF WALL	T.O.P. —	TOP OF PLATE
VERT —	VERTICAL	T.O.AS.	TOP OF STEEL
W.W.F. ——	WELDED WIRE FABRIC		
w/ ——	WITH	T.O.W.	TOP OF WALL
•	WITHOUT	TYP —	TYPICAL
W/0	WIIIOUI	U.N.O. ——	UNLESS NOTED OTHERWISE

ABBREVIATIONS





Agency Approvals

Revision No.

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Job Title

Job Address

36 LINE RD HAMETT COUNTY NC

October 25, 2024 Date:

Issued For

Job Number:

Drawn By: Checked By:

Scale N.T.S

0 2' 4' 8'

Sheet Title

GENERAL NOTES

Sheet No.

Shear Wall Schedule

Wall ID	Sheathing Material	Panel Nailing		- Blk'g to Sill & top plate Anchor Bolt		-		dge Bolt Edge nce Distance Shear		Sill-Plate	Min. Blkg.	Special
		Edges	Fields	DBL plate connection		Embedment	1		, ,		Thk. below Inspection Sill-Plate	Inspection
2	1/2" PLY'D BLOCKED	8d @ 4" o.c.	8d @ 12" o.c.	A35 @ 36" o.c. to blk'g	5%" @ 36" o.c.	7"	1.75"	2"	255	16d common nail @ 6" o.c.	2x-2x	YES
(a)	15/32" PLY'D BLOCKED	8d @ 3" o.c.	8d @ 12" o.c.	A35 @ 36" o.c. to blk'g	1" @ 36" o.c.	10"	1.75"	2"	375	16d common nail @ 4" o.c.	2x-3x	YES
4	15/32" PLY'D STR-I	8d @ 2" o.c.	8d @ 12" o.c.	A35 @ 24" o.c. to blk'g	1" @ 24" o.c.	10"	1.75"	2"	475	20d common nail @ 4" o.c.	2x-3x	YES

- 1) This nailing schedule is for common nails only and all panels edges fastened to framing. Plywood can be installed either horizontally or vertically.
- 2) Shear Panels 3, 4 & 3-3 requires 3x framing members at the bottom sill plate when resting on concrete, and behind vertical or horizontal panel edges. Also minimum 1/2" edge nailing distance at panel ends and edges. * Framing at adjoining panel edges shall be nominal 3" or wider. nails shall be staggered in two lines along panel edges when nail spacing is 2" o.c., or when 10d common nails spaced 3" o.c. penetrate framing more than 1-5/8".
- 3) Use square plate washers min. $3'' \times 3'' \times 1/4''$ thk. for anchor bolts.

	Holdown Schedule											
MARK	MARK HOLDOWN END POST UPLIFT CAPACITY WALL		WALL ATTACHMENT	SILL/STEM ATTACHMENT	HOLDOWN DETAIL							
HDU2	HDU2	4x4 DF#2	2.3 kips	AS PER MANUFACTURER	5/8" DIA. ANCHOR BOLTS W/ 10" EMBEDMENT, SPL. INSPECTION REQD.	SEE DETAIL - 1/S1.3						
HDU5	HDU5	4x4 DF#2	4.2 kips	AS PER MANUFACTURER	5/8" DIA. ANCHOR BOLTS W/ 10" EMBEDMENT, SPL. INSPECTION REQD.	SEE DETAIL - 1/S1.3						

2500 PSI

NO

- 1. HOLDOWNS SHALL BE MANUFACTURED BY SIMPSON OR SHALL BE OF EQUIVALENT
- CAPACITY W/ A ICC ESR REPORTS.

WF-1 | 18" WIDE | 18"

- SEE "SHEAR WALL" SCHEDULE FOR SHEARWALL REQUIREMENTS AND DESIGNATIONS.
- REFER TO PLANS FOR HOLDOWN LOCATIONS. 4. USE HOLDOWNS AS PER CAPACITY GIVEN IN THE TABLE IF CHANGE IN SHEARWALL REQUIRED ON SITE.

		7.4	ALL BOOMING COURDING					
WALL FOOTING SCHEDULE								
MARK	SIZE	DEPTH	REINFORCEMENT	CONCRETE F'c	DEPUTY INSP.			

3-#4 TOP & BOTTOM.

COLUMN FOOTING SCHEDULE										
MARK	SIZE	DEPTH	REINFORCEMENT	CONCRETE F'c	DEPUTY INSP.					
F-1	24" x 93"	18"	#4 @ 6" O.C., EA. WAY TOP & BOTTOM.	2500 PSI	NO					
F-2	24" x 177"	18"	#4 @ 6" O.C., EA. WAY TOP & BOTTOM.	2500 PSI	NO					
F-3	54" x 54"	18"	#5 @ 6" O.C., EA. WAY TOP & BOTTOM.	2500 PSI	NO					

	HDR SCHEDULE											
MARK	SIZE	HDR SIZE	HDR POST	JAMB	HDR DETAIL							
HDR - 1	UP TO 2'-6"	4x6 DF#2	4x4 DF#2	2-2x4 DF#2	REFER DETAIL-1/S1.3							
HDR - 2	2'-6" TO 6'-6"	4x10 DF#2	4x4 DF#2	2-2x4 DF#2	REFER DETAIL-1/S1.3							





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Job Address

36 LINE RD HAMETT COUNTY NC

Checked By:

October 25, 2024 Date:

Issued For

Job Number:

Drawn By:

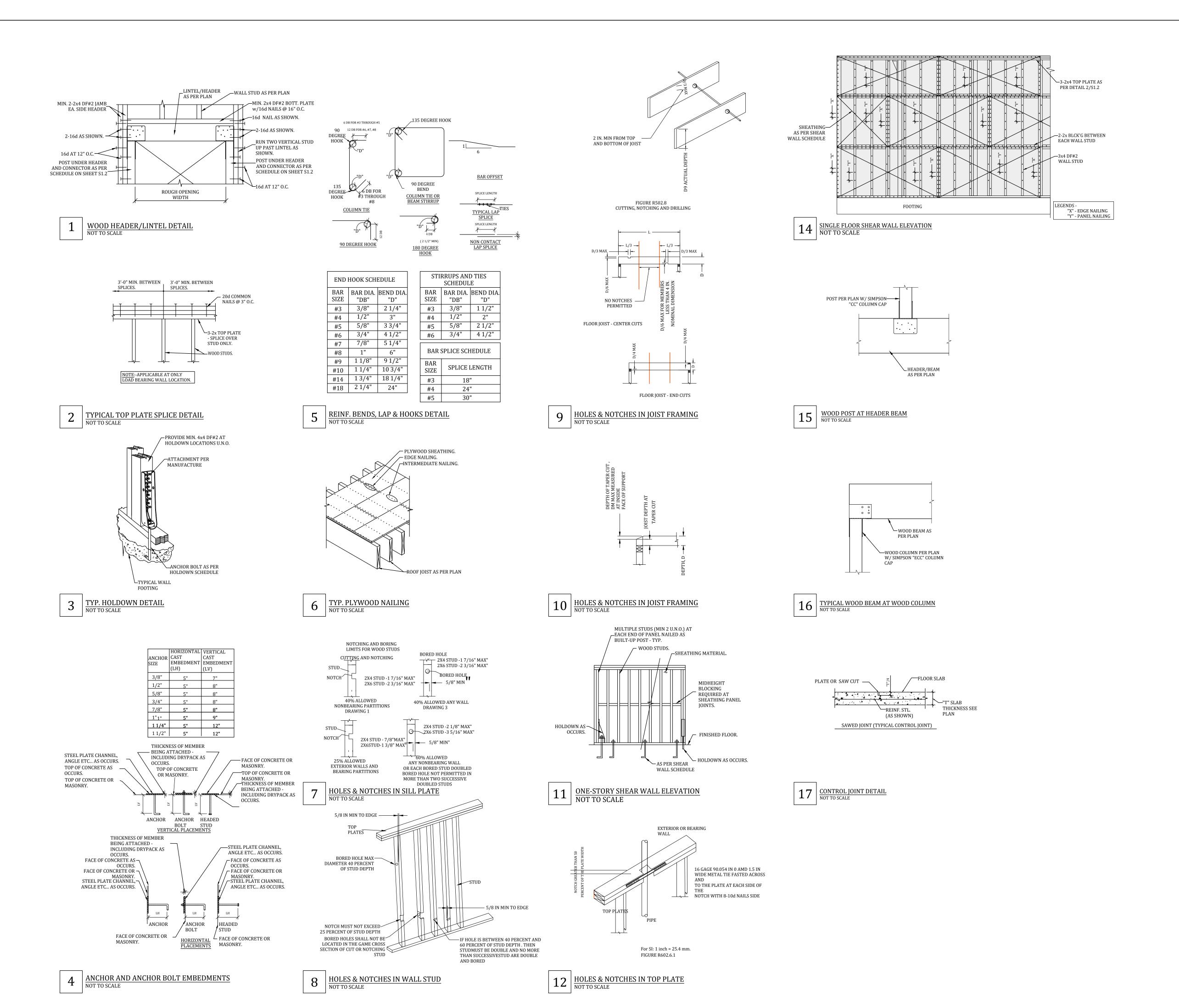
Scale N.T.S

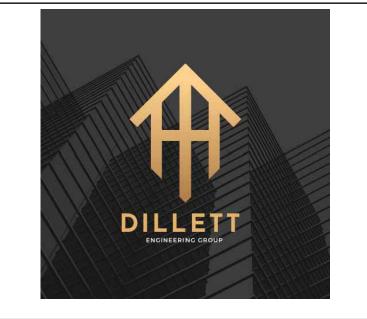
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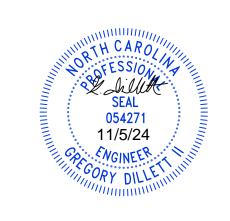
Sheet Title

SCHEDULES

Sheet No.







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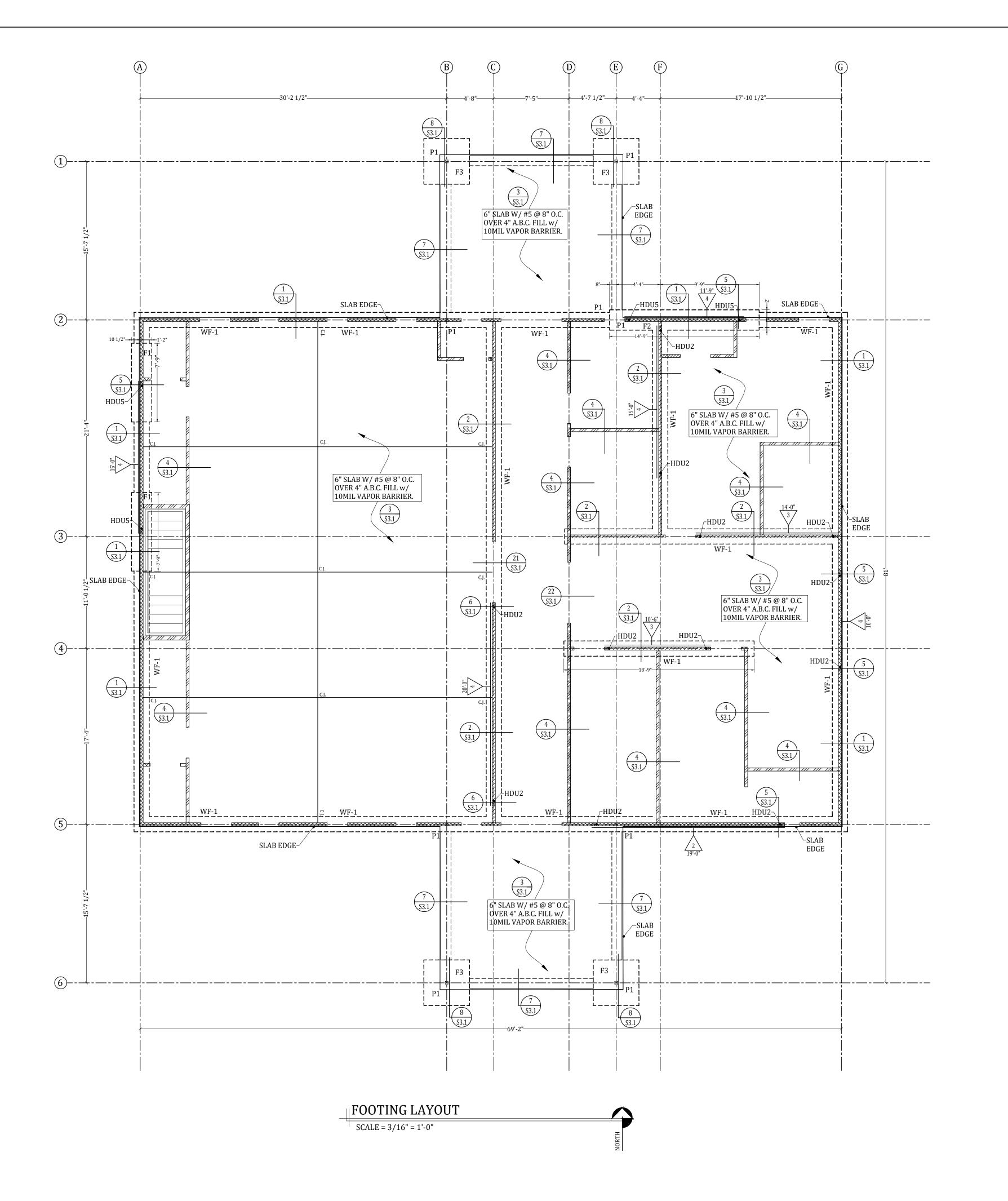
0 2' 4' 8'

Sheet Title

TYPICAL SECTION DETAILS

Sheet No.

\$1.3



FOUNDATION NOTES

- 1. ALL HOLDOWNS & ANCHOR BOLTS SHALL BE SET IN PLACE BY TEMPLATE PRIOR TO FOUNDATION INSPECTION.
- 2. ALL POSTS SHALL BE CONNECTED TO SILL PLATE WITH "A35" AT EA. SIDE TYP. UNLESS HARDWARE IS NOTED ON PLAN.
- UNLESS HARDWARE IS NOTED ON PLAN.
- 4. PLATE WASHERS ARE REQUIRED FOR ALL HOLDOWNS BRACKETS.
- 5. ALL BOLT HOLES SHALL BE DRILLED A MAXIMUM OF 1/16" OVERSIZED. INSPECTOR TO VERIFY.

3. ALL FOOTING SHALL HAVE F'c = 2500 PSI UNLESS NOTED OTHERWISE.

- 6. ALL HOLDOWN ANCHOR NUTS SHALL BE FINGER TIGHT AND 1/2 WRENCH TURN JUST PRIOR TO COVERING THE WALL FRAMING.
- 7. HOLD-DOWN CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE APPROVED PLATE WASHERS.
- 8. CONNECTOR BOLTS INTO WOOD FRAMING REQUIRE STEEL PLATE WASHERS IN ACCORDANCE AF&PA'S 2018 SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC (SDPWS-18)
- 9. FOUNDATION SILL SHALL BE NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD. FIELD-CUT ENDS, NOTCHES AND DRILLED HOLES OF PRESERVATIVE-TREATED WOOD SHALL BE FIELD-TREATED PER AWDA MA
- 10. CONTRACTOR TO VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL PLANS PRIOR TO STARTING ANY WORK.
- 11. ALL STUDS OVER 10 FEET TALL AND LESS THAN 15 FEET SHALL BE 2x4 OR 3x4
- 12. FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT TREATED WOOD SHALL BE OF HOT ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL

SYMBOL LEGEND

P1 🖂

WF#

P.T. $7\frac{1}{4}$ "x $7\frac{1}{4}$ " PSL-2.0E W/ POST BASE SIMPSON - MPB88Z 3x4 DF#2 AT 16" O.C. LOAD BEARING WOOD STUD WALL

2x4 DF#2 AT 16" O.C. LOAD BEARING WOOD STUD WALL

2x4 DF#2 AT 16" O.C. NON LOAD BEARING WOOD STUD WALL WALL FOOTING AS PER SCHEDULE ON SHEET S1.2
POST/COLUMN FOOTING AS PER SCHEDULE ON SHEET S1.2

SHOWING LOWER WALL



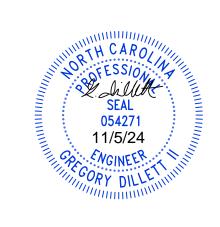
INDICATES SHEAR WALL; REFER SCHEDULE- ON SHEET S1.2

INDICATES SHEAR WALL ID.

U# HOLDOWN, REFER SCHEDULE- ON SHEET S1.2
R# HEADER, REFER SCHEDULE ON SHEET S1.2

C.J. CONTROL JOINTS





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36 LINE RD HAMETT COUNTY NC

Date: October 25, 2024

Issued For

Job Number:

Drawn By: Checked By:

Scale 3/16"=1'-0"

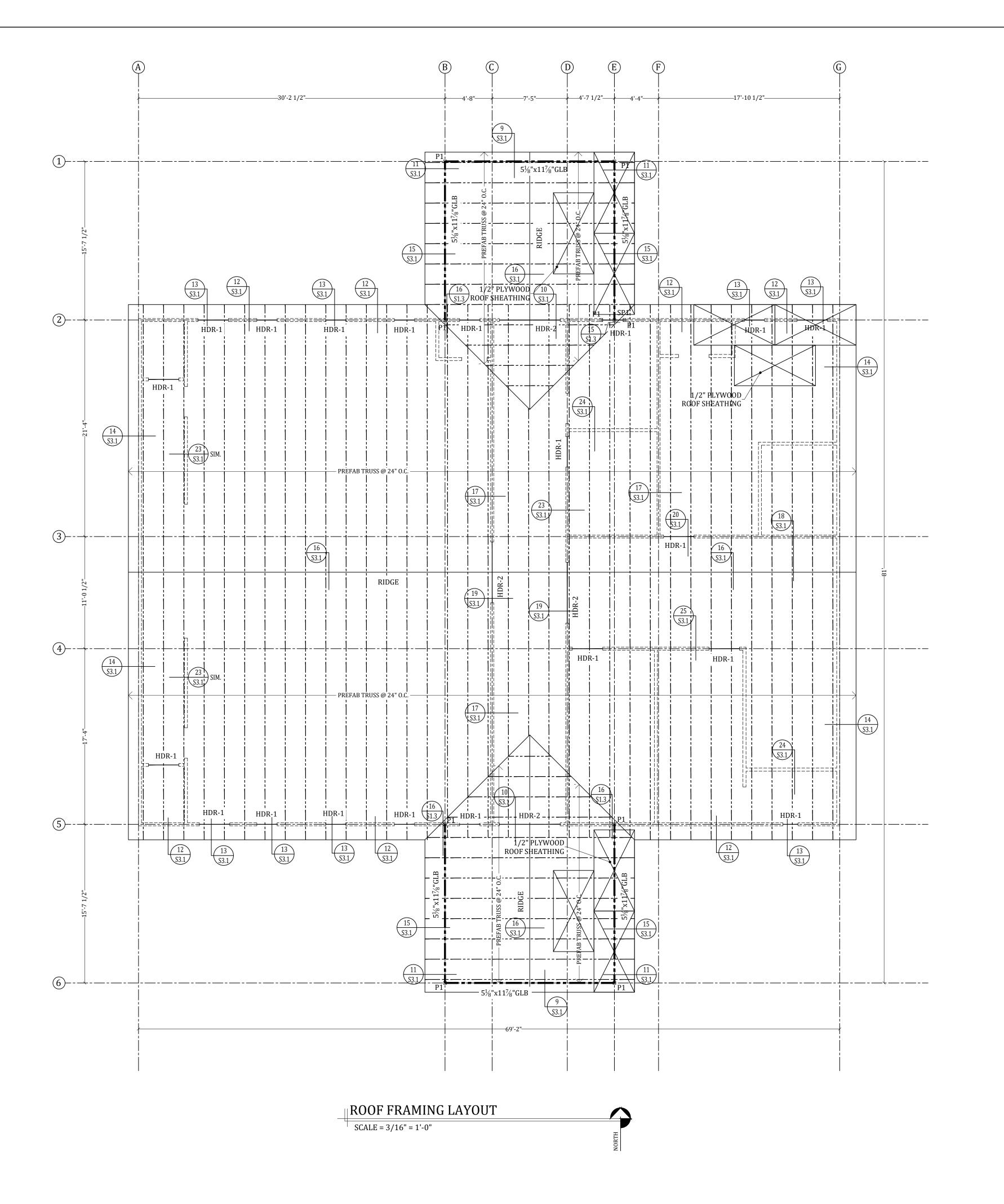
0 2' 4' 8'

Sheet Title

FOOTING LAYOUT PLAN

Sheet No.

S2.1



ROOF FRAMING NOTES

- 1. ROOF SHEATHING SHALL BE 1/2" PLYWOOD, CD-X P11 32/16, w/ 8d COMMON NAILS @ 6", 12" O.C.
- 2. ALL SHEAR WALLS ARE FULL HEIGHT TO THE ROOF AND FLOOR DIAPHRAGM.
- 3. ALL WALL POSTS ARE 4x4 MINIMUM U.N.O.
- 4. ALL POSTS SHALL BE CONNECTED TO SILL PLATE WITH "A35" AT EA. SIDE TYP. UNLESS HARDWARE IS NOTED ON PLAN.
- 5. ALL EXT. WALLS, SHEAR WALLS & BEARING WALLS EXCEEDING 10'-0" AND LESS THAN 15'-0" HEIGHT SHALL BE 2x6 OR 3x4 @ 16" O.C.
- 6. ALL WOOD BEAMS, COLUMNS & POST U.N.O. SHALL BE:

 2x MEMBER
 D.F. #1

 4x MEMBER
 D.F. #1

 2x STUDS
 D.F. #1, (U.N.O.).

7. ALL WOOD JOISTS, STUDS, PLATES & RAFTERS U.N.O. SHALL BE: 2x MEMBER D.F. #2

4x MEMBER D.F. #2 2x STUDS D.F. #2 ,(U.N.O.).

GALVANIZED BOX.
 9. FASTENERS IN PRESERVATIVE TREATED WOOD OR FIRE RETARDANT TREATED WOOD SHALL BE OF HOT ZINC COATED GALVANIZED STEEL OR STAINLESS

8. ALL DIAPHRAGM AND SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS OR

10. ROOF DIAPHRAGM NAILING TO BE INSPECTED BEFORE COVERING FACE GRAIN OF PLYWOOD SHALL BE PERPENDICULAR TO SUPPORTS. PLYWOOD SPANS SHALL CONFORM TABLE 2304.7

SYMBOL LEGEND

STEEL.

1 \boxtimes P.T. 7 $\frac{1}{4}$ "x7 $\frac{1}{4}$ " PSL-2.0E W/ POST BASE SIMPSON - MPB88Z 3x4 DF#2 AT 16" O.C. LOAD BEARING WOOD STUD WALL

2x4 DF#2 AT 16" O.C. LOAD BEARING WOOD STUD WALL

2x4 DF#2 AT 16" O.C. NON LOAD BEARING WOOD STUD WALL
WF# WALL FOOTING AS PER SCHEDULE ON SHEET S1.2
F# POST/COLUMN FOOTING AS PER SCHEDULE ON SHEET S1.2

SHOWING LOWER WALL

INDICATES SHEAR WALL; REFER SCHEDULE- ON SHEET S1.2

HDU# HOLDOWN, REFER SCHEDULE- ON SHEET S1.2

INDICATES SHEAR WALL ID.

HDR# HEADER, REFER SCHEDULE ON SHEET S1.2

CONTROL JOINTS





Agency Approvals

Revision No.

Written dimensions on these drawings shall have precedence over scaled dimensions. Drawings shall not be scaled. Contractors shall verify, and be responsible for, all dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrications. The drawings and their design content are the sole property of Dillett Engineering Group, and may not be reused or reproduced in any manner without our express written consent.

Job Title

Job Address

36 LINE RD HAMETT COUNTY NC

Date: October 25, 2024

Issued For

Job Number:

Drawn By: Checked By:

Scale 3/16"=1'-0"

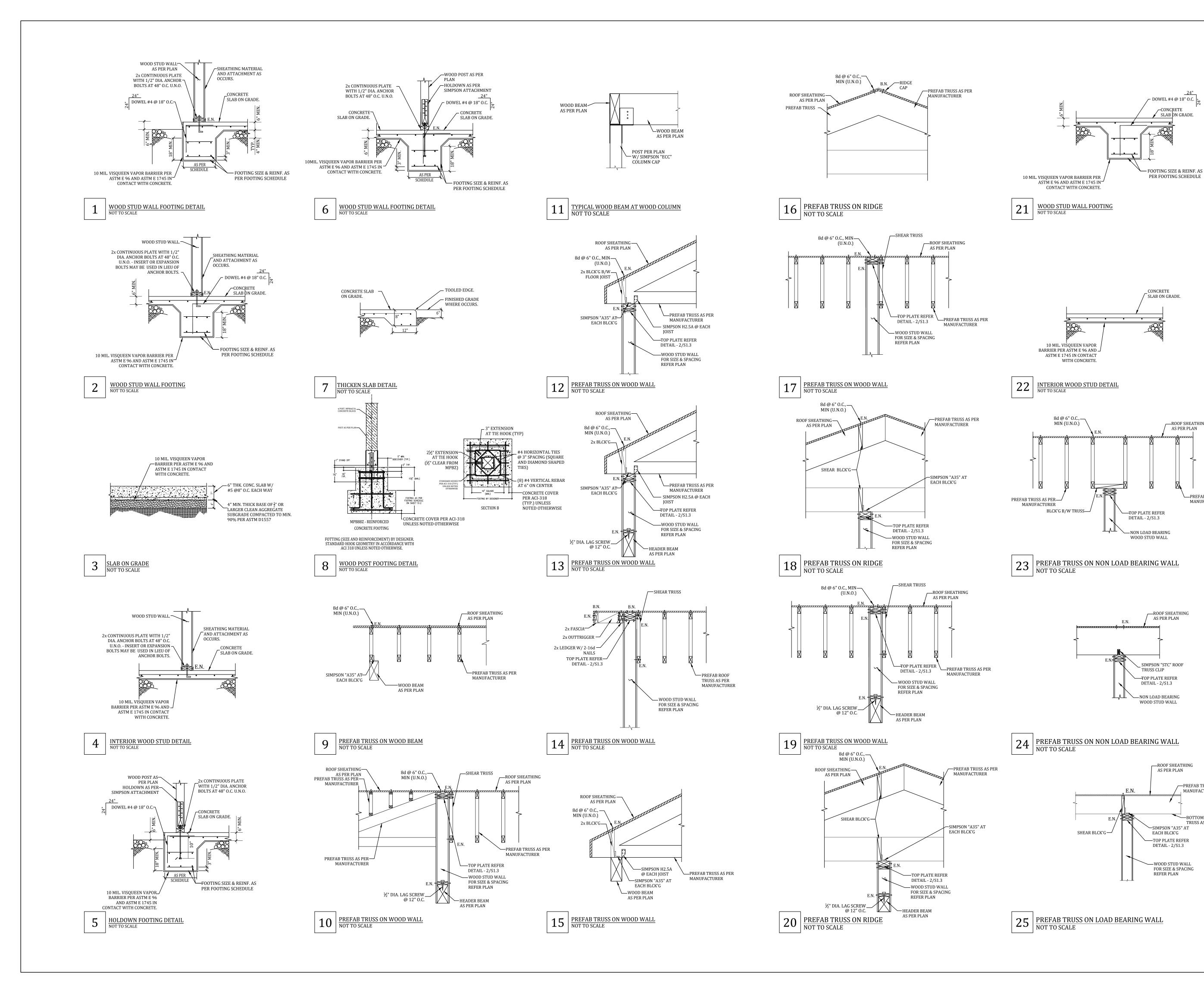
0 2' 4' 8'

Sheet Title

ROOF FRAMING LAYOUT PLAN

Sheet No.

S2.2







Agency Approvals

SLAB ON GRADE.

__ROOF SHEATHING

—PREFAB TRUSS AS PER

MANUFACTURER

—PREFAB TRUSS AS PER

—BOTTOM CHORD OF PREFAB

TRUSS AS PER MANUFACTURER

MANUFACTURER

AS PER PLAN

Revision No.

Written dimensions on these drawings shall have precedence over scaled dimensions. Drawings shall not be scaled. Contractors shall verify, and be responsible for, all dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrications. The drawings and their design content are the sole property of Dillett Engineering Group, and may not be reused or reproduced in any manner without our express written consent.

Job Title

Job Address 36 LINE RD HAMETT **COUNTY NC**

October 25, 2024 Date:

Issued For

Job Number:

Drawn By:

Checked By:

Scale N.T.S

0 2' 4' 8'

Sheet Title

SECTION DETAILS

Sheet No.

CENEDAL ADDDEVIATIONS

	GENERAL AB	BRE	VIATIONS
Α	AMPERES	KVA	KILOVOLT AMPERES
ADA	AMERICANS WITH DISABILITIES ACT	KW	KILOWATTS
AF	AMPERE FRAME	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUI
AFG	ABOVE FINISHED GRADE	MC	METAL CLAD CABLE
AHJ	AUTHORITY HAVING JURISDICTION	MCB	MAIN CIRCUIT BREAKER
AHU	AIR HANDLING UNIT	MCC	MOTOR CONTROL CENTER
AIC	AMPERE INTERRUPTING CAPACITY	MCP	MOTOR CIRCUIT PROTECTOR
AL	ALUMINUM	MH	MOUNTING HEIGHT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MISC	MISCELLANEOUS
ARCH	ARCHITECT	MLO	MAIN LUGS ONLY
AT	AMPERE TRIP	MOCP	MAXIMUM OVERCURRENT PROTECTION
ATS	AUTOMATIC TRANSFER SWITCH	MTG	MOUNTING
ATC	AUTOMATIC TEMPERTURE CONTROL	N	NEUTRAL
AWG	AMERICAN WIRE GAUGE	NC	NORMALLY CLOSED
BFG	BELOW FINISH GRADE	NEC	NATIONAL ELECTRIC CODE
BLDG	BUILDING	NEMA	NATIONAL ELECTRICAL MANUFACTURES
С	CONDUIT		ASSOCIATION
CAT	CATALOG	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
СВ	CIRCUIT BREAKER	NFSS	NON-FUSED SAFETY SWITCH
СВМ	CERTIFIED BALLASTS MANUFACTURERS	NO	NORMALLY OPEN OR NUMBER
CKT	CIRCUIT	NTS	NOT TO SCALE
CL	CENTERLINE	Р	POLE
CLF	CURRENT LIMITING FUSE	PB	PUSHBUTTON
COL	COLUMN	PH	PHASE
CPT	CONTROL POWER TRANSFORMER	PNL	PANELBOARD
СТ	CVRRENT TRANSFORMER	POS	PROVIDED UNDER OTHER SECTIONS
CU	COPPER	PVC	POLYVINYL CHLORIDE
(D)	DEMOLITION	PWR	POWER
DWG	DRAWING	QTY	QUANITY
(E)	EXISTING	REQ'D	REQUIRED
(ER)	EXISTING TO REMAIN	RMC	RIGID METAL CONDUIT
EC	EMPTY CONDUIT	RMS	ROOT MEAN SQUARED
EF	EXHAUST FAN	RNMC	RIGID NON-METALLIC CONDUIT
EM	EMERGENCY	RTU	ROOF TOP UNIT
EMT	ELECTRICAL METALLIC TUBING	SP	SPARE
EP0	EMERGENCY POWER OFF	SW	SWITCH
ESB	ENERGY SAVING BALLAST	SYM	SYMMETRICAL
EWC	ELECTRIC WATER COOLER	TEL	TELEPHONE
F	FUSE	TMCB	THERMAL MAGNETIC CIRCUIT BREAKER
FA	FIRE ALARM	UG	UNDERGROUND OR UNDERGRADE
FB	FAN BOX	UL	UNDERWRITERS LABORATORIES
FLA	FULL LOAD AMPERES	UON	UNLESS OTHERWISE NOTED
FMC	FLEXIBLE METAL CONDUIT	V	VOLT
		VAV	VOLUME AIR TERMINAL BOX
FSS	FUSED SAFETY SWITCH	VT	VOLTAGE TRANSFORMER
FT	FEET	W	WIRE
GFI	GROUND FAULT INTERRUPTER	WH	WATER HEATER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	WP	WEATHERPROOF
GND,G	GROUND OR GROUNDING	XFMR	TRANSFORMER
GRMC	GALVANIZED RIGID METALLIC CONDUIT	\triangle	DELTA
HOA	HAND, OFF, AUTOMATIC SWITCH	\forall	WYE
HP	HORSEPOWER	Ø	PHASE
HPF	HIGH POWER FACTOR	.,	

LEGENDS RECESSED DOWNLIGHT RECESSED DOWNLIGHT (WET RATED) SEMI FLUSH LIGHTING FIXTURE PENDANT LIGHT VANITY LIGHT WALL LIGHTING FIXTURE 4' LED LINEAR LIGHT FIXTURE (CONTROLLED BY PULL CHAIN) LED FLOOR LIGHT CHANDELIER LIGHTING FIXTURE EMERGENCY LIGHT EXIT SIGN 125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX \Rightarrow RECEPTACLE. 125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DOUBLE DUPLEX

125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX

125 VOLT, 2 POLE, 3 WIRE, 20 AMP., USB RECEPTACLE.

Subscript —

Symbol

RECEPTACLE.

Receptacle Subscripts:

"2" INDICATES CIRCUIT NUMBER

"GFCI" INDICATES RECEPTACLE EQUIPPED WITH

"AFCI" ARC-FAULT CIRCUIT INTERRUPTER

"WP" INDICATES WEATHERPROOF

"IG" ISOLATED GROUND

"C" COMPUTER

\$\$\$

CODES ANALYSIS

2018 INTERNATIONAL BUILDING CODE, IBC 2018 INTERNATIONAL RESIDENTIAL CODE, IRC

2018 INTERNATIONAL MECHANICAL CODE, IMC

2018 INTERNATIONAL ENERGY CONSERVATION CODE

2018 INTERNATIONAL PLUMBING CODE, IPC

2018 INTERNATIONAL FUEL GAS CODE, IFGC

2017 NATIONAL ELECTRIC CODE, NEC

INTERGRAL GROUND FAULT INTERRUPTER

INDICATES TYPICAL SWITCH

INDICATES DIMMER SWITCH

3-WAY DIMMER SWITCH

4-WAY DIMMER SWITCH

BATH-FAN TIMER SWITCH

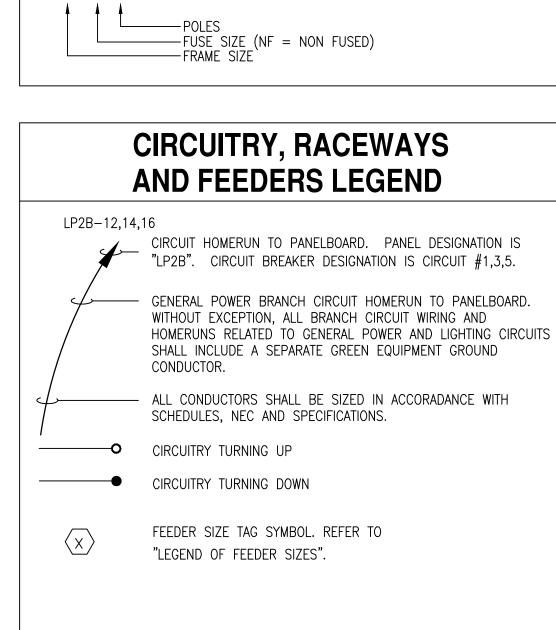
VACANCY SENSOR SWITCH

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES

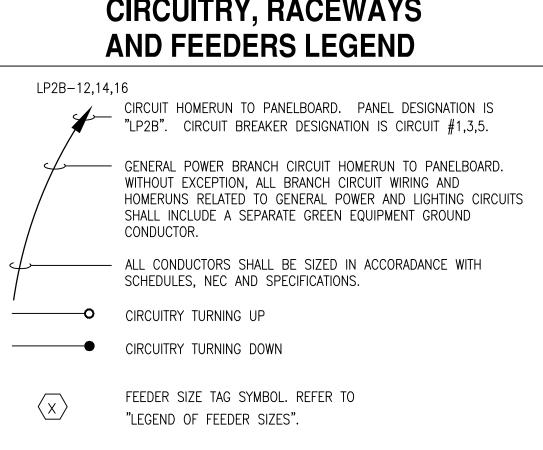
CEILING RECEPTACLE.

208/240 VOLT RECEPTACLE.

COMBINATION FIRE & CO DETECTOR



		EQUIPMENT LEGEND
	PANEL-H1	240/120 VOLT, 1ø, 3 WIRE PANEL
	PANEL-H2	208/120 VOLT, 3ø, 4 WIRE PANEL
	PANEL-H3	480/277 VOLT, 3ø, 4 WIRE PANEL
		JUNCTION AND/OR PULL BOX
	∕ M ∕	MOTOR
		EXHAUST FAN
	-=== <u></u>	GARAGE DOOR OPENER
		DISCONNECT SWITCH (FUSED); COORDINATE FUSE SIZE WITH MECHANICAL.
	OC	OCCUPANCY SENSOR
	4	TELEPHONE / DATA OUTLET
	HTV	TV OUTLET
	DB □—	DOOR BELL
		ELECTRICAL CABLE
	30/20/3	
	+ + +	



	LIGHTING FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MODEL NUMBER	MANUFACTURER	VOLT	LAMPS	NOTES					
Α	6" LED RECESSED DOWN LIGHT	65BEMW LED 27K 90CRI M6	Lithonia Lighting	120	12W LED	6 Inch White Retrofit LED Recessed Downlight, 12W Dimmable with 2700K Warm White, 750 Lumens.					
В	RECESSED DOWNLIGHT (WET RATED)	90933	Globe Electric	120	12W LED	Energy Star, IC Rated, Dimmable, Wet Rated, White Finish, 6.31" Hole Size, Bathroom Lights, 800 Lumens					
СН	CHANDELIER LIGHTING FIXTURE	JYL9007A	JONATHAN Y	120	160W LED	20" 4-Light Crystal LED Chandelier, 420 lumen.					
V	VANITY LIGHT	T030021-AL	Tubicen	120	10W LED	Modern Dimmable Bathroom Vanity Lights Linear, 10W 3000K LED Vanity Bar Lights, 750 Lumen					
W	WALL MOUNTED LIGHT	OLW14 M2	Lithonia Lighting	120	18W LED	Adjustable LED Wall Mount, 1490 Lumens, Dimmable.					
EM	LED EMERGENCY UNIT	LED90	EXITRONIX	120	2.2W	250 lumens, Ultra bright 6000K SMD LEDs,					
EX1	LED EXIT SIGN	VLED-U-WH-EL90R	EXITRONIX	120	3.2W	Double Face LED Combination Exit Sign - LED Lamp Heads - Self Testing - Red Letters -					

GENERAL NOTES

. ALL WIRING SHALL BE RUN CONCEALED UNLESS SPECIFIED OTHERWISE.

ISOLATED GROUND

INTERMEDIATE METAL CONDUIT

ENGINEERS

INTERLOCK KELVIN

KCMIL THOUSAND CIRCULAR MILS

INSTITUTE OF ELECTRICAL AND ELECTRONIC

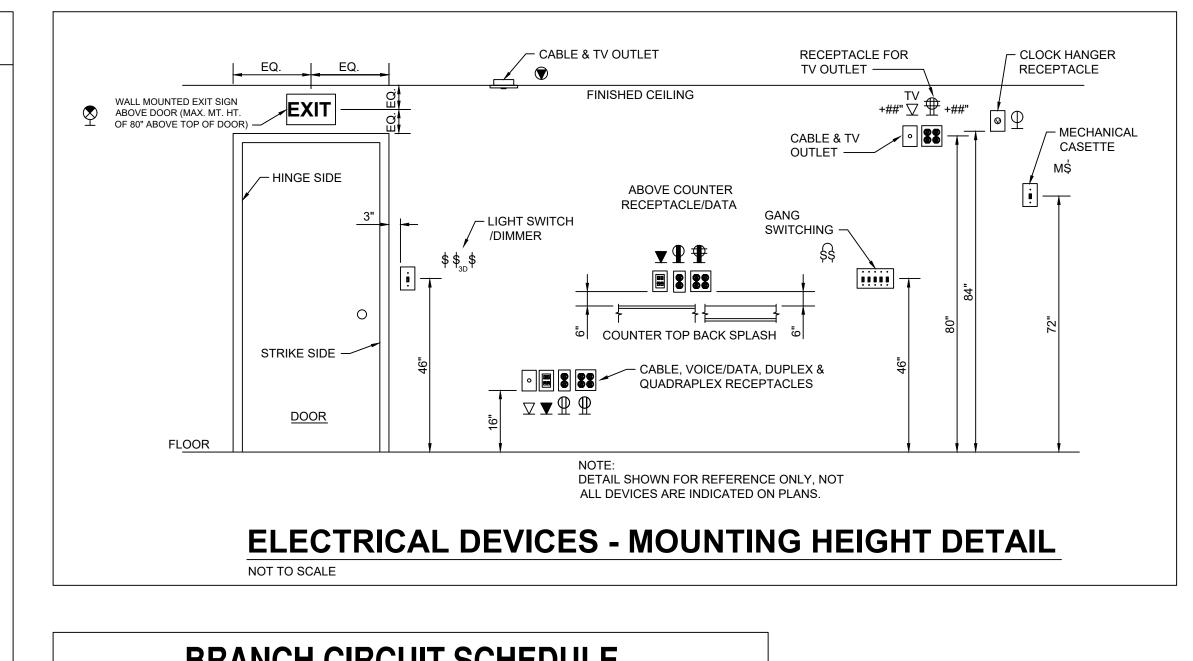
2. ALL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, RECTILINEAR TO BUILDING

NUMBER

- . ALL COMPONENTS SHOWN ON THE RISER DIAGRAMS, BUT NOT ON THE PLANS OR VICE VERSA, SHALL BE INCLUDED AS IF SHOWN ON BOTH.
- EXACT LOCATION OF MECHANICAL EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL DRAWINGS.

CONTRACTOR SHALL REVIEW ALL TRADES' CONTRACT DOCUMENTS TO DETERMINE SPECIFIC MOUNTING LOCATIONS

- FOR ELECTRICAL EQUIPMENT. COORDINATE EXACT MOUNTING LOCATIONS WITH THE ARCHITECT. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHTS AND EXACT LOCATIONS OF ALL
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES. IF DISCREPANCIES OCCUR, CONTRACTOR MUST NOTIFY ARCHITECT.
- BRANCH CIRCUIT WIRING MAY NOT BE SHOWN GRAPHICALLY ON DRAWINGS AND MAY BE INDICATED BY CIRCUIT NUMBERS BESIDE FIXTURES, DEVICES AND EQUIPMENT. PROVIDE COMPLETE WIRING SYSTEM WHETHER OR NOT INDICATED GRAPHICALLY. PHASE BALANCE ALL PANELBOARDS IN THE FIELD.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. THE DRAWINGS ARE NOT INTENDED TO BE ABSOLUTELY PRECISE. THE DRAWINGS ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, JUNCTION BOX, FITTING AND COMPONENT. THE PURPOSE OF THE DRAWINGS IS TO INDICATE A SYSTEMS CONCEPT, THE MAIN COMPONENTS OF THE SYSTEM AND THE APPROXIMATE GEOMETRICAL RELATIONSHIP. BASED ON THE SYSTEMS CONCEPT, THE MAIN COMPONENTS AND THE APPROXIMATE GEOMETRICAL RELATIONSHIPS, THE CONTRACTOR SHALL PROVIDE ALL OTHER COMPONENTS AND MATERIALS NECESSARY TO MAKE THE SYSTEMS FULLY COMPLETE AND OPERATIONAL.
- 10. ALL SYMBOLS MAY NOT BE USED IN THIS DRAWING.



BRANCH CIRCUIT SCHEDULE										
CIRCUIT TYPE	CIRCUIT BREAKER	CONDUCTORS	CONDUIT							
	20A-1P	2 #12 + 1 #12 G.	3/4"							
1 DOLE 1 DHASE	30A-1P	2 #10 + 1 #10 G.	3/4"							
1 POLE - 1 PHASE 2 WIRE + GROUND	40A-1P	2 #8 + 1 #10 G.	3/4"							
2 WITE + GITCOND	50A-1P	2 #6 + 1 #10 G.	3/4"							
	60A-1P	2 #4 + 1 #10 G.	1 1/4"							
	20A-2P	2 #12 + 1 #12 G.	3/4"							
A DOLE 1 DUACE	30A-2P	2 #10 + 1 #10 G.	3/4"							
2 POLE - 1 PHASE 2 WIRE + GROUND	40A-2P	2 #8 + 1 #10 G.	3/4"							
2 WINE + GROOND	50A-2P	2 #6 + 1 #10 G.	3/4"							
	60A-2P	2 #4 + 1 #10 G.	1 1/4"							
	20A-2P	3 #12 + 1 #12 G.	3/4"							
A DOLE 1 DUACE	30A-2P	3 #10 + 1 #10 G.	3/4"							
2 POLE - 1 PHASE 3 WIRE + GROUND	40A-2P	3 #8 + 1 #10 G.	3/4"							
5 WINE + GROUND	50A-2P	3 #6 + 1 #10 G.	3/4"							
	60A-2P	3 #4 + 1 #10 G.	1 1/4"							

Schedule Notes:

- 1. ROMEX CABLE SHALL BE USED FOR WIRING. SIZES AS INDICATED IN SCHEDULE.
- 2. REFER TO FEEDER SCHEDULE ON ELECTRICAL POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 3. ALL CONDUCTER SIZES ARE BASED ON CONDUIT LENGTHS OF 60 FEET FOR 120 VOLT BRANCH CIRCUITS. IF LENGTH EXCEEDS 60 FEET (120V, 20A CIRCUITS), THEN USE WIRE SIZE DENOTED BELOW AND INCREASE CONDUIT SIZE AS REQUIRED BY NEC.
- 4. TREAT 15A CIRCUIT SIMILAR TO 20A CIRCUIT AND 25A CIRCUIT SIMILAR TO 30A CIRCUIT.

WIDE CIZE	CIRCUIT LENGTH							
WIRE SIZE	120V CIRCUIT	240V CIRCUIT						
#10	60' TO 120'	150' TO 240'						
#8	120' TO 180'	ABOVE 240'						
#6	180' AND ABOVE	_						



PROJECT Rock of Salvation Church

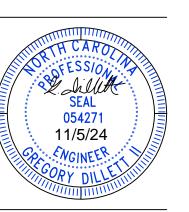
36 Line Rd,

PROJECT

Harnett County,NC TOWN, STATE 10.30.2024

NO.	
REVISION	DATE
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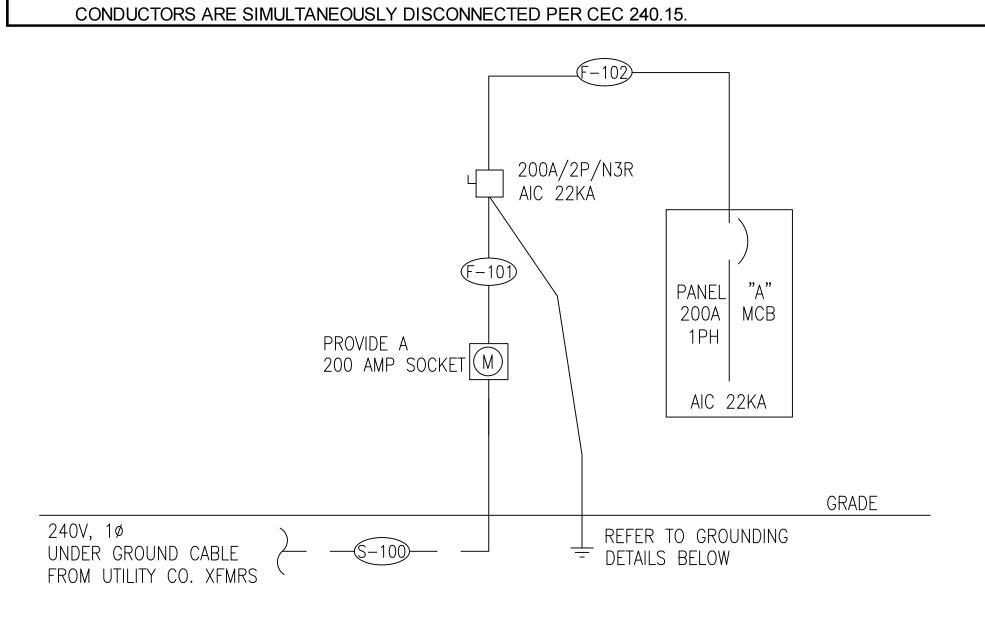
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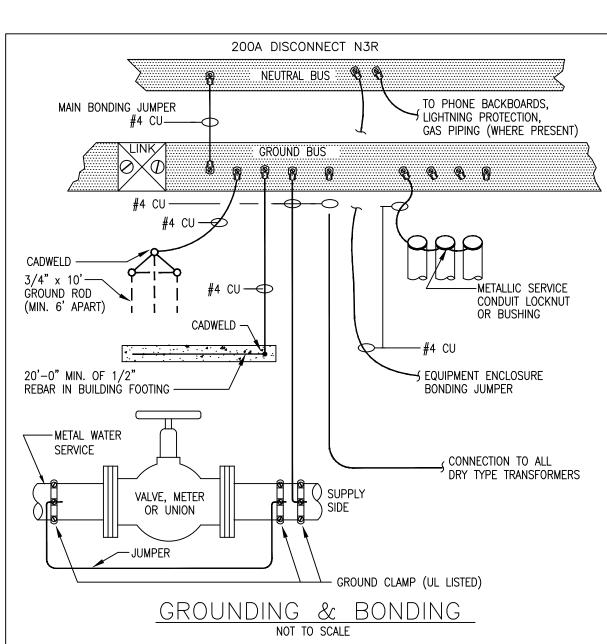


ELECTRICAL COVER SHEET

SCALE: AS SHOWN

						PAN	1EL	.BO	AR	D S	CH	EDL	JLE	- "A	\''					
	MAIN:	200A MCB	TOTA	L FRES	SH MA	RKET	AREA	`	VOL	ΓAGE:	240/1	20	PHA	SE: 1	WIR	E: 3	MOUN	TING: SURFACE AIC:	22,000	
CKT	TRIP				LO	AD (KV	/A)			PHASE			L(DAD (K	VA)				TRIP	CK
#	POLE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	АВ	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	POLE	#
1	20/1	LIGHTING_SANCTUARY AREA	0.4									1.3						REC_SANCTUARY AREA	20/1	2
3	20/1	LIGHTING_SANCTUARY AREA	0.4									1.3						REC_SANCTUARY AREA	20/1	4
5	20/1	LIGHTING_SANCTUARY AREA	0.4									1.3						REC_SANCTUARY AREA	20/1	6
7	20/1	LIGHTING_FOYER+EXTERIOR+HALL	0.4									1.1						REC_FOYER AREA	20/1	8
9	20/1	LIGHTING_OFFICES+CLASS RMS+TOILE	0.4									1.4						REC_CLASSROOM-1 & 2	20/1	10
11	20/1	LIGHTING_FRESH MARKET OPEN AREA	0.4									1.4						REC_CHIEF'S+PASTOR'S OFFICE	20/1	12
13	70/1	SMOKE ALARM+CARBON MONOXIDE ALARM							0.2			1.4						REC_FELLOWSHIP HALL+SECRETA	R 20/1	14
15	20/2	AIR HANDLING UNIT, AHU-1				0.5						0.9						REC_GFI_BATHROOMS	20/1	16
17	20/2	(2#12, #12G, 3/4"C)				0.5						0.7						REC_GFI_KITCHEN	20/1	18
19	50/2	HEATPUMP UNIT, HP-1				2.5						1.1						REC_GFI / WP_EXTERIOR	20/1	20
21	50/2	(2#6, #10G, 3/4"C)				2.5										0.8		REFRIGERATOR	20/1	22
23 25	20/2	AIR HANDLING UNIT, AHU-2				0.5										1.0		MICROWAVE OVEN	20/1	24
25	20/2	(2#12, #12G, 3/4"C)				0.5										0.6		GARBAGE DISPOSAL	20/1	26
27	F0/0	HEATPUMP UNIT, HP-2				2.5										1.5		SMALL APPLIANCE	20/1	28
29	50/2	(2#6, #10G, 3/4"C)				2.5										2.5		RANGE	40/0	30
31	00/0	AIR HANDLING UNIT, AHU-3				0.5										2.5		(2#8, #10G, 3/4"C)	40/2	32
33	20/2	(2#12, #12G, 3/4"C)				0.5							0.5					KITCHEN HOOD, KH-1	20/1	34
35		HEATPUMP UNIT, HP-3				2.5									2.3		+	WATER HEATER, WH-1		36
37	50/2	(2#6, #10G, 3/4"C)				2.5									2.3			(2#10, #10G, 3/4"C)	30/2	38
39	20/1	TOILET EXHAUST FAN, TEF-1		1	0.2	2.0									2.0		0.5	DRINKING FOUNTAIN	20/1	40
41		TOILET EXHAUST FAN, TEF-2			0.3													DRINKING FOUNTAIN	20/1	42
	ING (K	·	2.4	0.0		18.0	0.0	0.0	0.2		0.0	11.8	0.5	0.0	4.5	8.9	†	CONNECTED LOAD (KVA):		7.8
		ES (KVA): 11.8		1 0.0	1 0.0	10.0	0.0	10.0	0.2		0.0	111.0	10.0	0.0	1.0	1 0.0	1.0	DEMAND LOAD (KVA):		4.7
	RS (K\							PHAS	SF A	23.9	10	9.1						DEIVINITED CONTROL (TOTAL).	<u> </u>	1.,
VIC (F		18.0						PHAS		23.9	+	9.3						CONNECTED LOAD (AMPS):	10	9.2
	NG (K\							1 1 1/70		KVA	+	<u>и</u> РЅ						DEMAND LOAD (AMPS):		6.1
	ING (K) IEN (K)	,								NVA	<u> ^\ </u>	VII J	1					DEIVININD LOAD (AIVIF 3).	10	U. I
		EOUS (KVA): 6.9 1.2																AMPACITY REQUIRED:	18	4 .9
		VIDE FEED THRU LUG KIT(S).																, wii , wii i ile woll leb.	10	F. U





ELECTRICAL ONE-LINE DIAGRAM NOT TO SCALE

	SCHED	ULE	OF F	EEDE	ERS	& SI	ERVIC	CES	
	Feeder/Service I	Description		Number of	C	Conductor Siz	e	Conduit	Calculated
Designation	Equipment Served	Conductor	Copper or	Runs	Phase	Neutral	Equipment	Diameter	Fault Value
Designation	Equipment Served	Ampacity	Aluminum	Kulis	Conductor	Conductor	Ground	(in)	rault value
S 1 00	MAIN METER	200	CU	1 set	2 # 3/0	1 # 3/0	_	2 1/2	14,430
F 1 01	DISCONNECT	200	CU	1 set	2 # 3/0	1 # 3/0	1 # 4	2 1/2	13,195
F 1 02	F 1 02 PANEL-A 200 CU		CU	1 set	2 # 3/0	1 # 3/0	1 # 4	2 1/2	12,155
KEY: "CU	" - COPPER "AL" -	ALUMINUM				_	_		
NOTES: CC	PPER OR ALUMINUN	A REFERS TO A	ALL CONDUCTO	ORS (PHASE,	NEUTRAL, AN	ND GROUND)			

	VOLT	'AGE	DR	ROP	CAI	LCU	LAT	ION	
	Feeder/Service Desc	ription				V	oltage D	rop	
Designation	Equipment Served	Conductor	Length	Voltage	Phase	Ampacity	Point to	Fed From	Cumulative
Designation	Equipment Served	Ampacity	of run	vollage	Filase	Required	Point	rea Fiolii	Curridialive
S 1 00	MAIN METER	200	76	240	1	200	1.09%	Service	1.09%
F 1 01	DISCONNECT	200	10	240	1	200	0.15%	MAIN METER	1.24%
F 1 02	PANEL-A	200	10	240	1	200	0.15%	DISCONNECT	1.40%

ELECTRICAL LOAD CALCULATIONS (RESIDI	LIVII <i>I</i> ~L)	
	UNIT	FLOOR
Α	REA (SQFT)	3,370
RESIDENTIAL LOAD - TABLE		
GENERAL LIGHTING (3W/SF)		10,110
LIGHTING AND APPLIANCES LOAD TOTAL		10,110
WATER HEATER		4,500
RANGE		5,000
REFRIGERATOR		800
MICROWAVE		1000
KITCHEN HOOD FAN		500
TOILET EXHAUST FAN		500
GARBAGE DISPOSAL		600
SMALL APPLIANCE		1500
DRINKING FOUNTAIN		1000
SMOKE DETECTOR+CARBON MONOXIDE ALARM		200
SUBTOTAL- LIGHTING LOAD + APPLIANCE LOAD TOTAL		25,710
DEMAND FACTOR LOAD		
TOTAL DEMAND LOAD 100% (PER NEC SECTION	220.82(b))	25,710
	EQUIP-1	AHU-1 & HP-1
	VA LOAD	6000
	EQUIP-2	AHU-2 & HP-2
MECHANICAL LOADS	VA LOAD	6000
	EQUIP-2	AHU-3 & HP-3
	VA LOAD	6000
TOTAL MECHANICAL LOAD		18,000
TOTAL UNIT LOADS W/O DEMAND FACTOR (DEMAND LOAD + MECHAN	ICAL LOAD)	43,710
TOTAL UNIT LOADS W/O DEMAND FACTOR (DEMAND LOAD + MECHAN	-	43,710
AMPS @120/24		182
RECOMMENDED PANEL LO	, ,	200

Kevin Cole and Associate
ESIGN CONSULTANT &

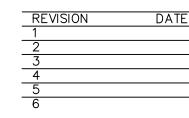
FAYETTEVILLE NC, 28306 ©2022

PROJECT Rock of Salvation Church

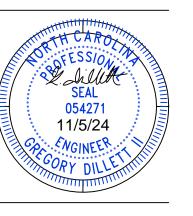
36 Line Rd, Harnett County,NC

TOWN, STATE

DATE: 10.30.2024
PROJECT –
NO.



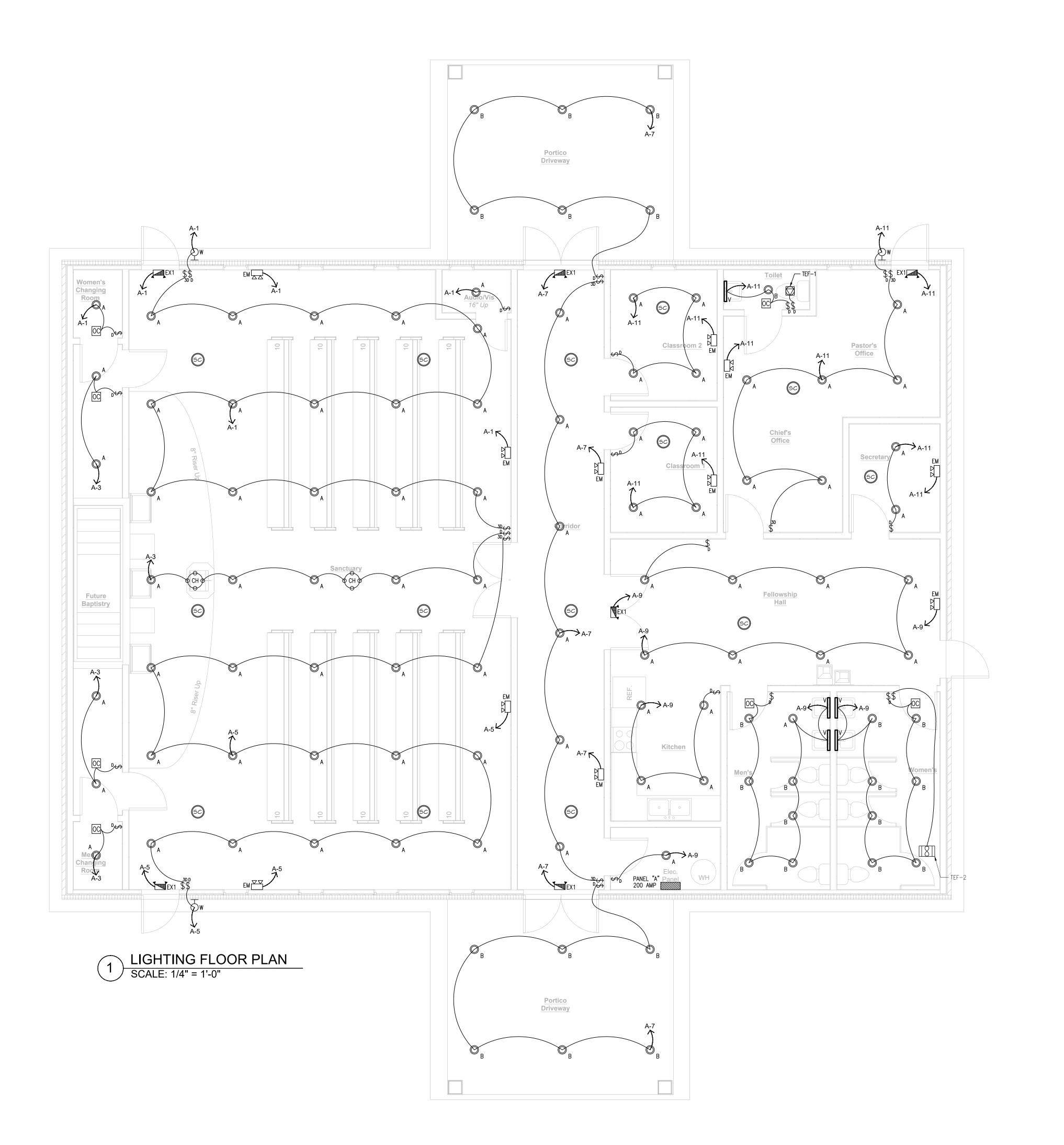
ARCHITECT OF RECORD:



ELECTRICAL
PANEL
SCHEDULE,
CALCULATION
& SINGLE LINE
DIAGRAM

SCALE: AS SHOWN

-2.01



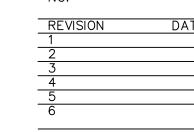


PROJECT
Rock of Salvation
Church

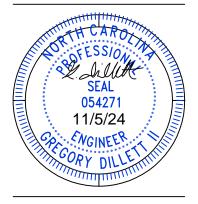
36 Line Rd, Harnett County,NC

TOWN, STATE

DATE: 10.30.2024
PROJECT - NO.



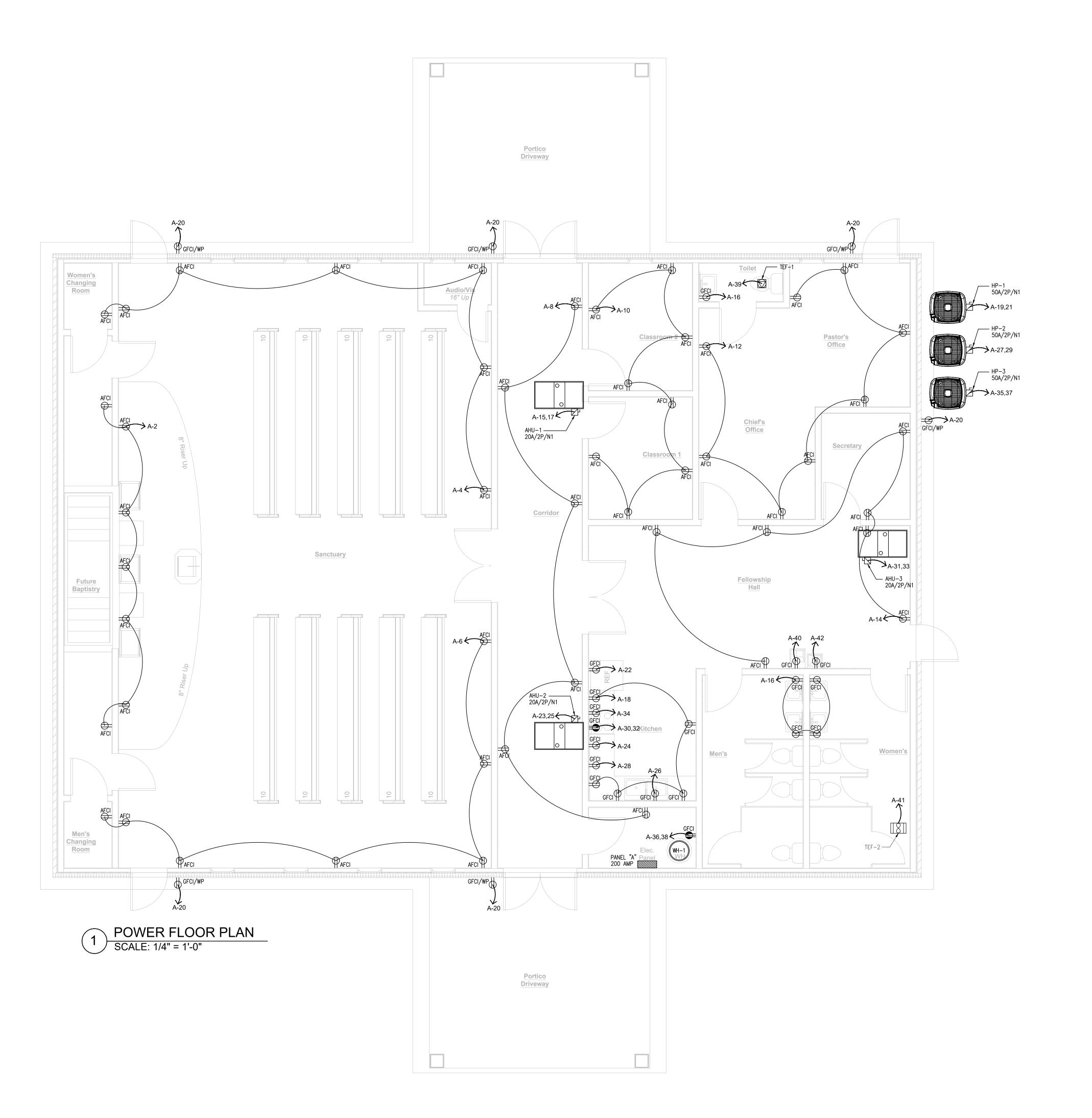
ARCHITECT OF RECORD:



ELECTRICAL PLANS

SCALE: AS SHOWN

E3.01



Kevin Cole and Associate
DESIGN CONSULTANT &
CONSTRUCTION MANAGEMENT

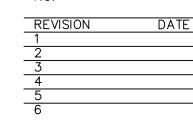
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PROJECT
Rock of Salvation
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36 Line Rd, Harnett County,NC

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ELECTRICAL PLANS

ALL BRANCH CIRCUITS SUPPLYING 120V 15-AMPERE AND 20-AMPERE OUTLETS IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS

AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY

A LISTED ARC-FAULT CIRCUIT INTERRUPTER (AFCI).

ALL RECEPTACLES IN BATHROOMS, GARAGES,

PROTECTION AS PER THE 2017 NEC.

THROUGHOUT AS PER THE 2017 NEC.

ACCESSORY BUILDINGS, OUTDOORS, CRAWL SPACES, UNFINISHED BASEMENTS, KITCHENS (WHERE RECEPTACLES

SERVE COUNTERTOP SURFACES), LAUNDRY, UTILITY, WET BAR SINKS (WITHIN 6' OF THE EDGE OF THE SINK), SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER (GFCI)

THE RECEPTACLES ARE REQUIRED TO BE GROUND FAULT CIRCUIT INTERRUPTER, ARC-FAULT AND TAMPER RESISTANT

SCALE: AS SHOWN

E4.01

		MECHANICA	L LEGEND		
SYMBOL	ABBREV.	DESCRIPTION	SYMBOL	ABBREV.	DESCRIPTION
Ē		COORDINATE WITH ELECTRICAL	 		LINED DUCTWORK (OR PLENUM)
CD	CD	CONDENSATE DRAIN (A.C)			DUCT RISE IN DIRECTION OF FLOW
D	D	DRAIN			
———RD ———	RD	REFRIGERANT DISCHARGE	DN		DUCT DROP IN DIRECTION OF FLOW
——————————————————————————————————————	RL RS	REFRIGERANT LIQUID REFRIGERANT SUCTION			ROUND DUCT UP
	1.5	PIPE DOWN			ROUND DUCT DOWN
		PIPE UP			SUPPLY DUCT UP
		PIPE RISE (OR DN. FOR DROP)			SUPPLY DUCT DOWN
 		DIRECTION OF FLOW IN PIPE		RA/OA	RETURN AIR DUCT/OUTSIDE AIR DUCT UP
-					RETURN AIR DUCT/OUTSIDE AIR DUCT DOWN
	AV	AIR VENT (VALVE)			EXHAUST AIR DUCT UP
	CHV	CHECK VALVE			EXHAUST AIR DUCT DOWN
	CV (2W)	CONTROL VALVE (2—WAY)			
	CV (3W)	CONTROL VALVE (3-WAY)			DUCT TRANSITION
	FCD SOV	AUTOMATIC FLOW CONTROL DEVICE SHUT OFF VALVE		CD	CEILING DIFFUSER
	301	GLOBE/BALL/BUTTERFLY VALVE		RR	RETURN REGISTER
——————————————————————————————————————	BV	COMBINATION BALANCING & SHUT-OFF VALVE		ER	EXHAUST REGISTER
── ₩──	FEV	FLOW ELEMENT VENTURI	① AC-3	T'STAT	THERMOSTAT OR TEMPERATURE SENSOR (NUMBER INDICATES EQUIPMENTOR ZONE SERVED)
₺ — ₺ —		VALVE ON RISE OR DROP	\blacksquare	H'STAT	HUMIDISTAT
	STR.	STRAINER	©2		CARBON DIOXIDE SENSOR
E	CL	CAPPED LINE	¢	CFM	CUBIC FEET PER MINUTE
C— — — — —	DN.	DOWN OR DROP			4-WAY SUPPLY AIR DIFFUSER
0— 1 0—	UP	RISE OR RISER			
<u> </u>	RV	PRESSURE RELIEF VALVE			4-WAY RETURN AIR GRILLE
	PG	PRESSURE GAUGE WITH BALL VALVE			SUPPLY AIR DIFFUSER W/
	R.	ECCENTRIC REDUCER CONCENTRIC REDUCER			SURFACE MOUNT SUPPLY AIR DIFFUSER
	R. FC	FLEXIBLE CONNECTION (PIPE)			
NA N		PIPE ANCHOR			SURFACE MOUNT RETURN AIR GRILLE
	PA U	UNION			SUPPLY AIR SIDEWALL DIFFUSER
10x6		DUCTWORK (1ST NUMBER INDICATES WIDTH SHOWN), NET INSIDE DIMENSION			RETURN AIR SIDEWALL GRILLE
	TV	SQUARE ELBOW WITH TURNING VANES			VOLUME CONTROL DAMPER
		RADIUS ELBOW			SUPPLY/EXHAUST AIR FAN
	MVD	MANUAL VOLUME DAMPER			DUCT PLENUM BOX
	MOD	MOTOR OPERATED DAMPER			
	BDD	BACKDRAFT DAMPER	Ū- √-		DOOR LOUVER
FD	FD	FIRE DAMPER	◎ ~~		UNDER CUT
	SD	DUCT MOUNTED SMOKE DETECTOR			INTAKE/ EGRESS
SD SFD•	SFD	AUTOMATIC SMOKE AND FIRE DAMPER			
	FLEX	FLEXIBLE CONNECTION (DUCTWORK)	\bigoplus		DUCT HEATER
	FLEX	FLEXIBLE CONNECTION OR SEISMIC JOINT			WASHROOM VENTILATOR

	MECHANICAL SPECIFICATIONS
NO	DESCRIPTION
NO.	DESCRIPTION
A)	AIR CONDITIONING SPECIFICATION
	DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED FOR THE EXACT LOCATION OF EQUIPMENT, PIPING, DUCTWORK, OR OTHER ITEMS. DRAWINGS DO NOT SHOW EVERY DETAIL OF CONSTRUCTION OR INSTALLATION. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND WORKING SYSTEM.
3.	ALL WORK SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN A FIRST CLASS, WORKMAN-LIKE MANNER. THE COMPLETED SYSTEM SHALL BE OPERATIVE AND ACCEPTANCE BY ENGINEER/ARCHITECT SHALL BE A CONDITION OF THE SUB-CONTRACT.
4.	THE CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTS.
5.	THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH ALL ASPECTS OF THE PROJECT AND SHALL VERIFY ALL CONDITIONS PRIOR TO CONSTRUCTION.
	ALL INSTALLATION SHALL BE COORDINATED BY THE CONTRACTOR WITH OTHER TRADES TO AVOID IMPACTS.
7.	ALL REQUIRED CONSTRUCTION INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK SHALL BE PROVIDED BY THE CONTRACTOR.
8.	ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES, RULES, AND ORDINANCES.
	THE CODES IN EFFECT FOR THIS PROJECT SHALL THE 2018 EDITION OF IBC WITH REVISIONS AND ALL ASSOCIATED INDUSTRY CODES BY REFRENCE.
	ALL MATERIALS SHALL BE NEW AND SHALL BEAR UNDERWRITERS LABEL WHERE APPLICABLE.
	EQUIPMENT SHALL BE U.L. APPROVED.
11.	THE MECHANICAL CONTRACTOR SHALL PROVIDE A WRITTEN WARRANTY THAT SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM THE DATE OF FINAL WORK ACCEPTANCE BY THE OWNER OR OWNERS REPRESENTITIVE.
12.	ARCHITECTURAL AND/OR ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED FOLLOWING THE ISSUE OF APPROVED DRAWINGS SHALL BE PAIFOR BY THE CONTRACTOR.
B)	INSTALLATION
1.	THE MECHANICAL CONTRACTOR SHALL PROVIDE HVAC EQUIPMENT LISTED IN THE HVAC EQUIPMENT SCHEDULE AND SHALL MEET THE CAPACITIES NOTED.
2.	THE MECHANICAL CONTRACTOR SHALL SUBMIT MANUFACTURER SHOP DRAWINGS, CUT SHEETS AND PERFORMANCE DATA ON ALL EQUIPMENT AND OBTAIN THE ENGINEER'S APPROVAL PRIC TO PURCHASE AND INSTALLATION.
3.	THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL MOTOR STARTERS, RELAYS, CONTRACTORS, SMOKE DUCT DETECTORS, ETC.
4.	THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES AND INSTALL ALL CONTROL WIRING.
5.	A/C UNIT SUPPLY AND RETURN AIR DUCTS SHALL BE R-6 JOHNS MANVILLE MAT-FACED MICRO-AIRE FIBERGLASS DUCT BOARD, TYPE 800 (UL APPROVED), INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
6.	ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED TO S.M.A.C.N.A. STANDARDS. ALL DUCTWORK SIZES ARE INSIDE DIMENSIONS.
a)	ALL 90 DEGREE ELBOWS SHALL BE HAVE A MINIMUM CL RADIUS OF 1.5 R/W (1.5 R/D) OR BE FURNISHED WITH TURNING VANES.
b)	BRANCH TAKEOFFS SHALL BE PROVIDED WITH ADJUSTABLE, ACCESSIBLE AIR SPLITTER DAMPERS.
c)	ROUND DUCT ELBOWS SHALL HAVE A CENTERLINE RADIUS OF NOT LESS THAN 1.5 TIMES THE DIAMETER OF THE DUCT.
7.	SECURE FLEXIBLE DUCTS TO BRANCH TAKE-OFF COLLAR WITH HOSE CLAMP.
	MAXIMUM LENGTH OF ALL FLEXIBLE DUCT SHALL NOT BE MORE THAN 10 FEET, UNLESS OTHERWISE NOTED.
	ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE MIN. 24GA GALVANIZED SHEET METAL. ALL DUCT ABOVE THE ROOF TO BE MIN. 16GA SHEET METAL, INSULATED W/ 2?THK RIGID HULL BOARD AND SHEATHED WITH GALV. STEEL. EXTERIOR STEEL TO BE SEALED/WEATHERPROOFED, PRIMED AND PAINTED PER ARCHITECTURAL PAINT SCHEDULE.
11.	THE MECHANICAL CONTRACTOR SHALL INSTALL SMOKE DUCT DETECTORS IN THE RETURN DUCT OF ALL A/C UNITS EXCEEDING 2000 CFM. SMOKE DETECTOR SHALL BE INTERLOCKED VIAHU CONTROLS.
12.	AIR DISTRIBUTION ACCESSORIES SHALL BE AS NOTED ON THE PLANS.
	REFRIGERANT PIPING SHALL BE TYPE "K" COPPER WITH SOLDER FITTINGS.
	ALL REFRIGERATION PIPE INSULATION SHALL BE MIN. ½?ARMAFLEX OR EQUAL APPROVED BY THE ENGINEER.
,	ALL EXTERIOR LIQUID/SUCTION LINES SHALL BE INSULATED AND WEATHER PROOFED. ALL SUCTION LINES INSIDE THE BUILDING SHALL BE INSULATED.
•	LIQUID/SUCTION LINES SHALL BE ROUTED INSIDE THE STRUCTURE TO THE EXTENT PRACTICABLE.
d)	THE MECHANICAL CONTRACTOR SHALL SIZE ALL PIPING FOR THE SPECIFIC APPLICATION AND ROUTE OF PIPE.
,	THE MECHANICAL CONTRACTOR SHALL ROUTE CONDENSATE PIPING FOR A LENGTH OF 10 FEET TO A DRAIN SUPPLIED BY THE PLUMBING CONTRACTOR. THE MECHANICAL CONTRACTOR'S CONDENSATE PIPE SHALL INCLUDE A TRAP SIZED FOR AHU FAN STATIC.
15.	THE MECHANICAL CONTRACTOR SHALL SET AIR HANDLER UNIT AND CONDENSING UNIT AS SHOWN ON THE DRAWINGS. EQUIPMENT SHALL BE PROVIDED DIM PAD ISOLATORS.
	THE MESTALIST SECTION STATE SET AND INVESTIGATION STATE SECTIONS STATE SECTIONS STATE SECTIONS.

16. ALL OUTDOOR AIR INTAKES SHALL BE PROVIDED WITH BIRD AND INSECT SCREEN OF A CORROSION-RESISTANT MATERIAL. BIRD SCREEN SHALL NOT BE LARGER THAN 1/2" MESH AND

18. FIRE DAMPERS SHALL BE INSTALLED IN ALL DUCTS PENETRATING FIRE RATED ROOFS, CEILINGS AND BULKHEADS AS BY CODE. ACCESS DOORS FOR INSPECTION AND RESET SHALL BE

CORRECTION OF ANY ENGINEERING DEFECT SHALL BE RECTIFIED WITHOUT ADDITIONAL CHARGE AND SHALL NOT INCLUDE REPLACEMENTS OR REPAIR OF ANY OTHER PHASE OF THE

INSECT SCREEN SHALL NOT BE LARGER THAN 18X14.

INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREBY.

CONTRACTOR SHALL ADJUST, TEST AND BALANCE ALL SYSTEMS.

a) BALANCING OF THE SYSTEM SHALL BE BY A CERIFIED THIRD PARTY.

PROVIDED AT EACH LOCATION.

17. THERMOSTATS SHALL BE SUPPLIED AND INSTALLED BY THE MECHANICAL CONTRACTOR: a) SHALL BE MOUNTED 5'-6' ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE.

a) FIRE DAMPERS PROVIDED IN KITCHEN EXHAUST DUCT SHALL BE EQUIPPED WITH 212F FUSIBLE LINK.

b) | SHALL BE HEAT/OFF/COOL AND FAN/AUTO/ON SWITCHED AND SHALL BE APPROVED BY AC EQUIPMENT MANUFACTURER. c) | FURNISH AND INSTALL ALL TEMPERATURE CONTROLS, INCLUDING PROGRAMMABLE THERMOSTAT AND HUMIDISTAT CONTROLS.

FAN SCHEDULE & DATA

		HVA	C ABBREVIA	<u>TIONS</u>
	А	AMPERES	HZ	FREQUENCY
	AC	AIR CONDITIONING	IN	INCH OR INCHES
	AD	ACCESS DOOR	KW	KILOWATT
	AFF	ABOVE FINISHED FLOOR	LG	LENGTH
	AL	ACOUSTICAL LINING	LAT	LEAVING AIR TEMPERATURE
	ВНР	BRAKE HORSEPOWER	LBS	POUNDS
	вти	BRITISH THERMAL UNIT	LDB	LEAVING DRY BULB TEMPERATURE
	втин	BTU PER HOUR	LIN FT	LINEAR FEET
	CD	CEILING DIFFUSER	LWB	LEAVING WET BULB TEMPERATURE
AID		CUBIC FEET PER MINUTE	MAX	MAXIMUM
	CFM		MBH	THOUSAND BTU PER HOUR
	CG	CEILING GRILLE	MHP	MOTOR HORSEPOWER
OR	CLG	CEILING	MIN	MINIMUM
	COMPR	COMPRESSOR	NIC	NOT IN CONTRACT
	CR	CEILING REGISTER	NO.	NUMBER
	DB DIAM	DRY BULB DIAMETER	NTS	NOT TO SCALE
	DN	DOWN	RA	RETURN AIR
	DWG	DRAWING	RM	ROOM
	DX	DIRECT EXPANSION	RPM	REVOLUTIONS PER MINUTE
	EAT	ENTERING AIR TEMPERATURE	SP	STATIC PRESSURE
w/	EDB	ENTERING DRY BULB TEMPERATURE	SPEC	SPECIFICATION
	EF	EXHAUST FAN	TEMP	TEMPERATURE
	EWB	ENTERING WET BULB	TG	TOP GRILLE
	EWT	ENTERING WATER TEMPERATURE	TV	TURNING VANES
;	* F	DEGREES FAHRENHEIT	TYP	TYPICAL
	FC	FLEXIBLE CONNECTION	W	WIDTH
	FD	FIRE DAMPER	W/	WITH
	FIN FL	FINISHED FLOOR	w/o	WITHOUT
	FLA	FULL LOAD AMPERES	,	
	FPM	FEET PER MINUTE	WB	WET BULB

FEET

HEAD

MAKE UP AIR UNIT

WIRE MESH SCREEN

SUPPLY GRILLE

RETURN GRILLE

SMOKE PURGE

SFD	SFD FLEX	AUTOMATIC SMOKE AND FIRE DAMPER FLEXIBLE CONNECTION (DUCTWORK)	\bigoplus	DUCT HEATER								FAN STATIC	DUCT CONNECT	ELECT	TRIC
	FLEX	FLEXIBLE CONNECTION OR SEISMIC JOINT	igotimes	WASHROOM VENTILATOR	_	DWG TAG	QTY 1	MNF. OR EQUAL PANASONIC	MODEL OR EQUAL FV-0511VC1	SERVICE TOILET EXH.	CFM 70	(IN. W.G.)	SIZE 4"	V/PH/HZ 120/1/60	WATTS 60
·						TEF-2	1	FANTECH	FG 6	TOILET EXH.	300	0.2	10"	120/1/60	170
				·		1. PROVIDE B 2. FAN CONTE	ACKDR ROLLED	RAFT DAMPER. D BY WALL SWITCH	н.						

KITCH	EN	HOOD	RANGE	SCHED	ULE				
							DUCT	ELEC	TRIC
DWG TAG	QTY	MNF. OR EQUAL	MODEL OR EQUAL	SERVICE	CFM	FAN STATIC (IN. W.G.)	CONNECT SIZE	V/PH/HZ	WATT
KH-1	1	BROAN	PM300SS	KITCHEN EXH.	115-300	0.25	8"	120/1/60	276

AIR	DISTF	RIBUTI	ON SCHEDULE		
DWG TAG	SERVICE	MOUNTING	DESCRIPTION	MNF OR EQUAL	MODEL OR EQUAL
CD-A	SUPPLY AIR	SURFACE MNT	SUPPLY AIR REGISTER WITH OPPOSED BLADE DAMPER MAX NC LEVEL 25	TITUS	300RL
RG-A	RETURN/EXHAUST AIR	"	RETURN AIR REGISTER WITH OPPOSED BLADE DAMPER, 0.67" SPACING, FIXED DEFLECTION, MAX NC LEVEL 25	19	350RL
CD-B	SUPPLY AIR	"	SUPPLY AIR REGISTER WITH OPPOSED BLADE DAMPER MAX NC LEVEL 25	"	TMS6-12X12

CODES	ANALYSI

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES

2018 INTERNATIONAL BUILDING CODE, IBC 2018 INTERNATIONAL RESIDENTIAL CODE, IRC 2017 NATIONAL ELECTRIC CODE, NEC 2018 INTERNATIONAL MECHANICAL CODE, IMC 2018 INTERNATIONAL PLUMBING CODE, IPC 2018 INTERNATIONAL FUEL GAS CODE, IFGC 2018 INTERNATIONAL ENERGY CONSERVATION CODE

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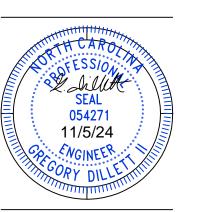
PROJECT Rock of Salvation Church

36 Line Rd, Harnett County,NC TOWN, STATE

10.30.2024

DATE: PROJECT NO.

ARCHITECT OF RECORD:



MECHANICAL COVER SHEET

SCALE: AS SHOWN

DRAWN BY: KEVIN COLE

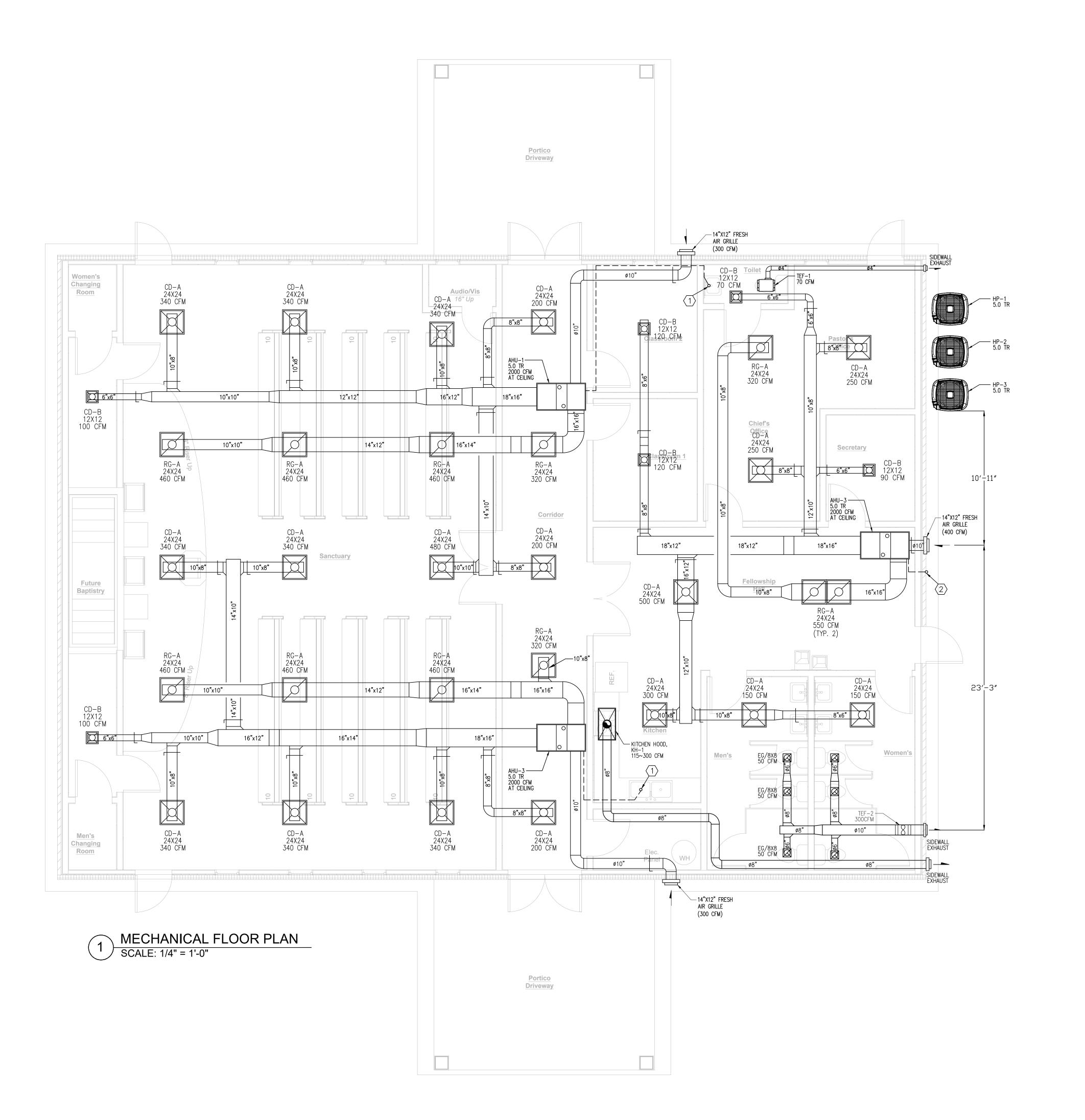
LAIR	HANDLING	UNIT	SCHEDULE
/ \ \		\bigcirc \square \square \square	

/ \ \ \ \ \		O OIVII C												
TAG	LOCATION	SERVICE	TYPE	COOLING	SUPPLY	COOLING	HEATING	ELE	CTRICAL	APPROX.	DIMENSION	NAANIII	MODEL	SYSTEM
NUMBER				TONNAGE	AIR FLOW CFM	TOTAL (BTU/H)	TOTAL (BTU/H)	MCA	VOLT/PHASE	WEIGHT (LB)	HXWXD	MANUF. OR EQUAL		STOTEIN
AHU-1	FOYER CEILING SPACE	SANCTUARY & FOYER AREA	DUCTED	5.0	2000	60,000	60,000	8.6	208-230V 60/1	167	42.5"X17.5"X16"	GOODMAN	ASPT61D14*	HP-1
AHU-2	FOYER CEILING SPACE	SANCTUARY & FOYER AREA	DUCTED	5.0	2000	60,000	60,000	8.6	208-230V 60/1	167	42.5"X17.5"X16"	GOODMAN	ASPT61D14*	HP-2
AHU-3		OFFICE, HALL, KITCHEN AREA	DUCTED	5.0	2000	60,000	60,000	8.6	208-230V 60/1	167	42.5"X17.5"X16"	GOODMAN	ASPT61D14*	HP-3

HEA-	TPUMP	UNIT S	SCHEDU	ILE									
TAG NUMBER	COOLING TONNAGE	COOLING TOTAL CAP.(BTU/H)	HEATING TOTAL CAP(BTU/H)		VOLT/PHASE	REFRIGERANT TYPE	MIN. EFF EER	COP	SEER	APPROX. WEIGHT (LB)	DIMENSION HXWXD (INCH)	MANUF. OR EQUAL	MODEL
HP-1	5.0	60,000	60,000	37.0	208-230V 60/1	R410A	12.0	-	16.0	306	40"X35.5"X 29.75"	GOODMAN	GSZ160601B
HP-2	5.0	60,000	60,000	37.0	208-230V 60/1	R410A	12.0	-	16.0	306	40"X35.5"X 29.75"	GOODMAN	GSZ160601B
HP-3	5.0	60,000	60,000	37.0	208-230V 60/1	R410A	12.0	-	16.0	306	40"X35.5"X 29.75"	GOODMAN	GSZ160601B

1) CAPACITY IS MEASURED BY MANUFACTURE TESTITNG WHEN PAIRED WITH CORRESPONDING CONDENSING UNIT (SEE CONDENSING UNIT SCHEDULE).

2) COOLING CAPACITY DATA IS BASED ON 95 DEG F OUTDOOR CONDITIONS AND 67 DEG F EADB.



KEYNOTES:

- . 3/4" PVC CONDENSATE LINE TO BE CONNECTED TO LAVATORY TRAP OR SINK.
- 3/4" CPVC CONDENSATE LINE TO EXPOSED OFF TO THE DRYWELL.

Kevin Cole and Associate

DESIGN CONSULTANT & CONSTRUCTION MANAGEMENT

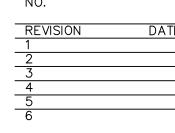
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PROJECT Rock of Salvation Church

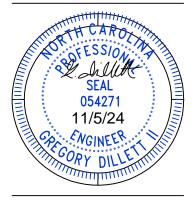
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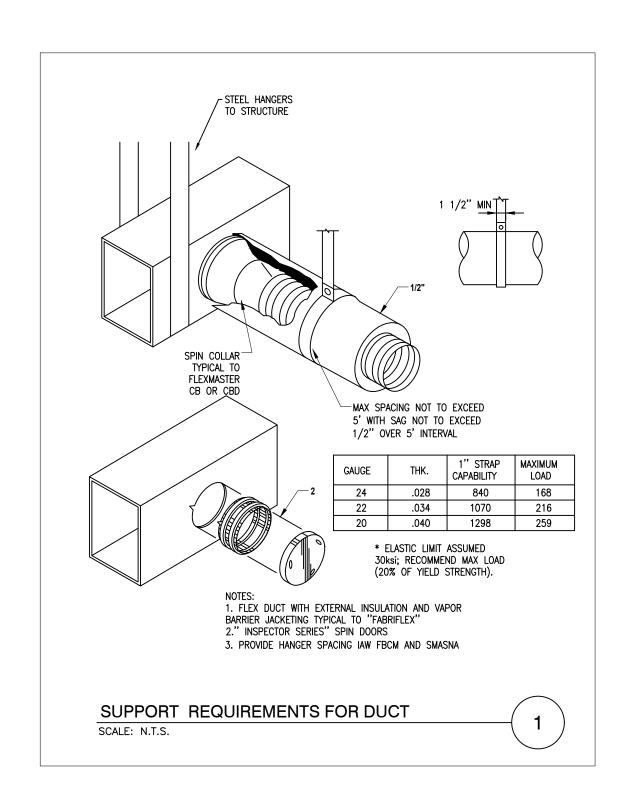
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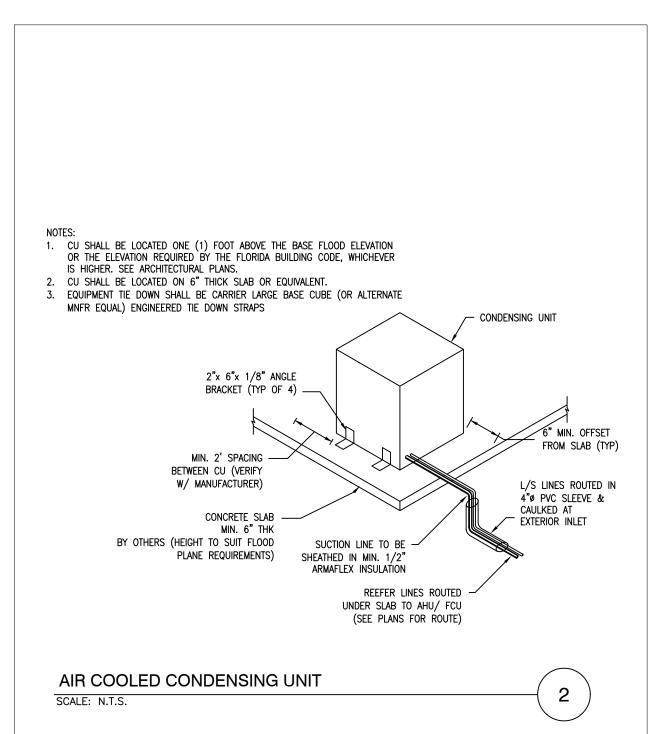


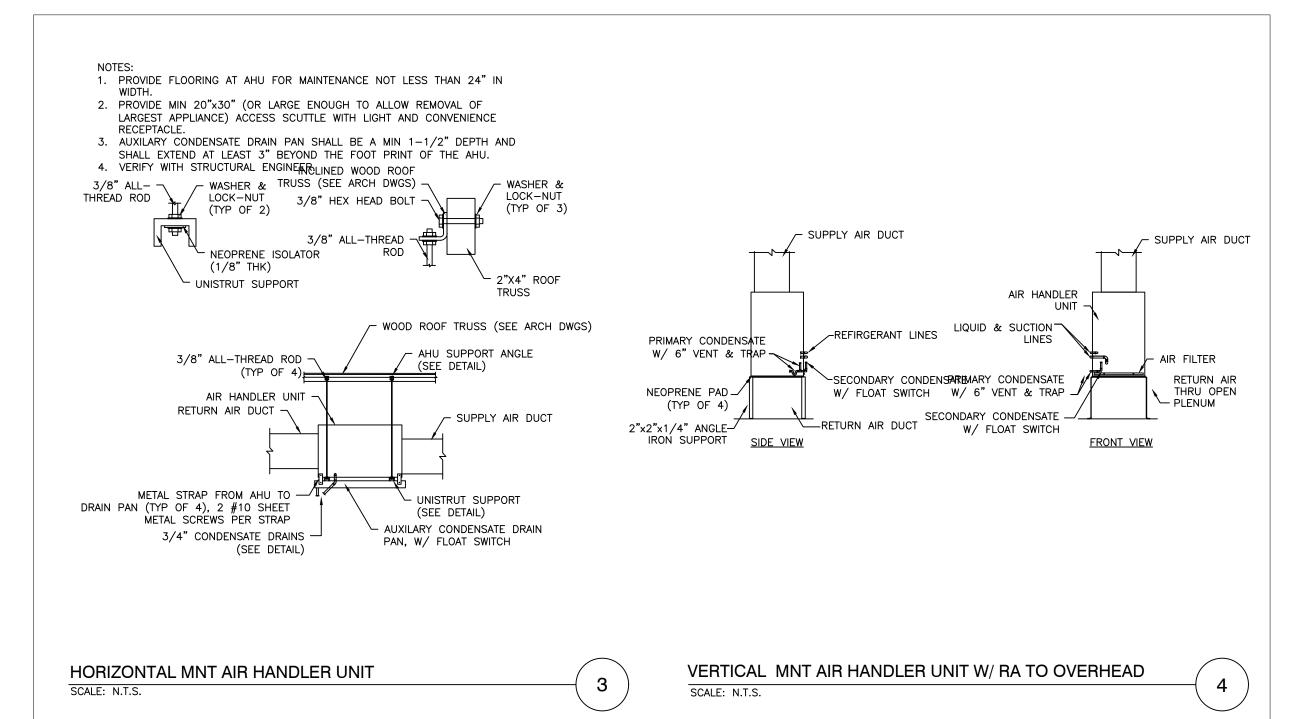
MECHANICAL PLANS

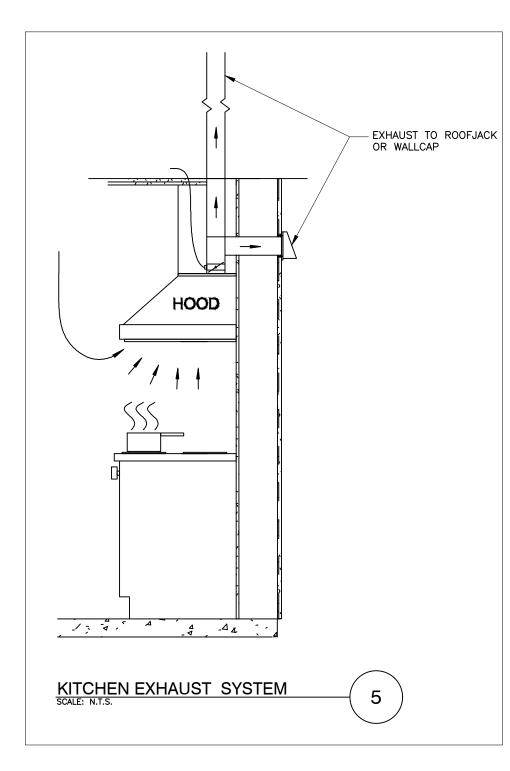
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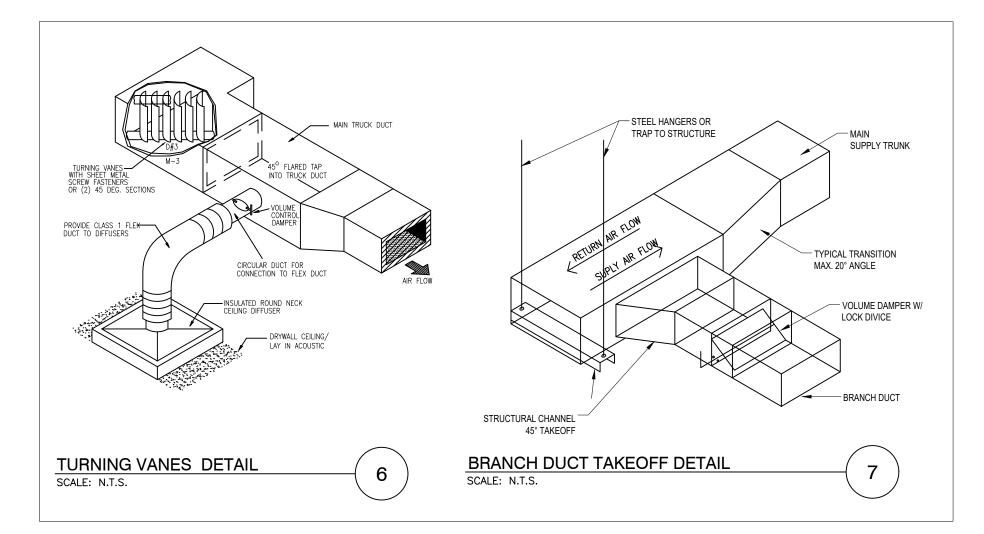
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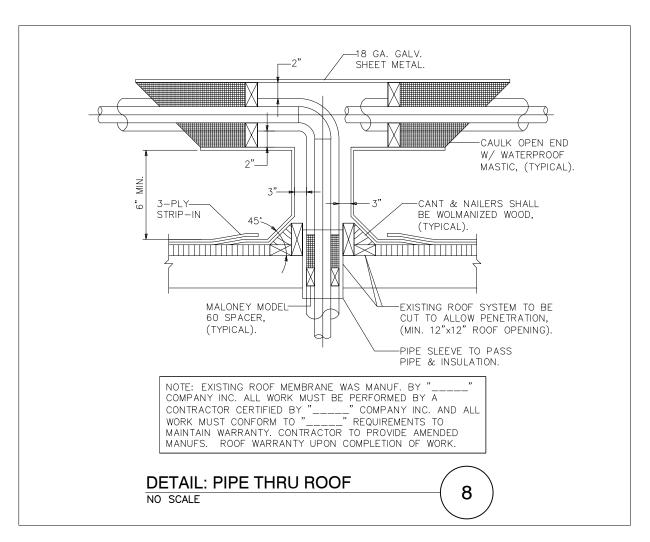


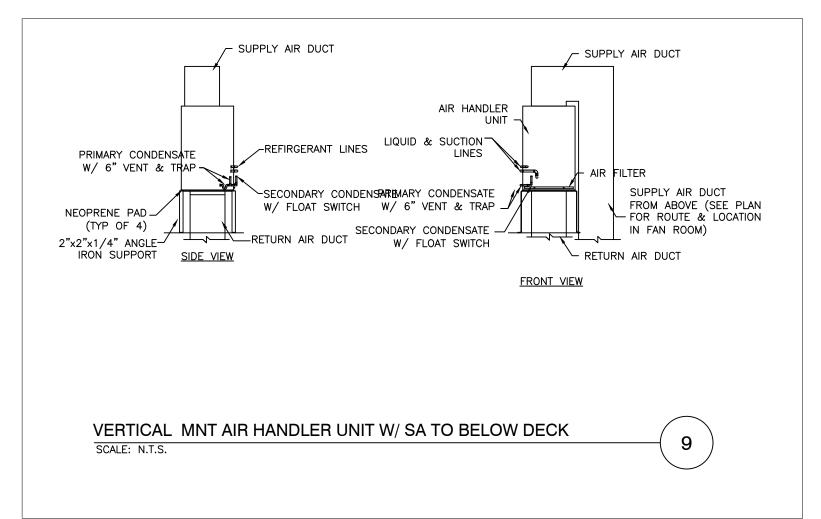


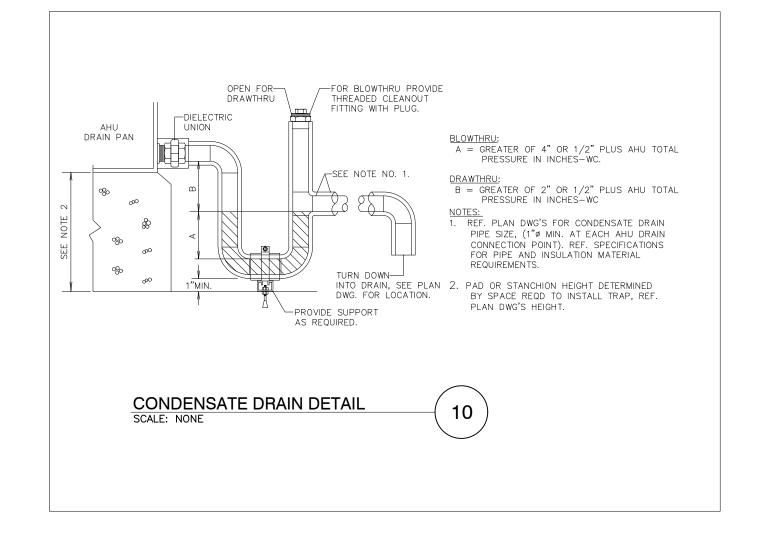


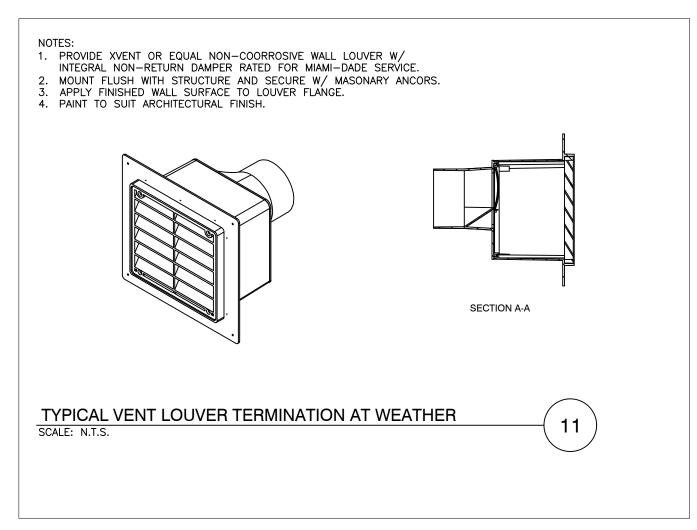


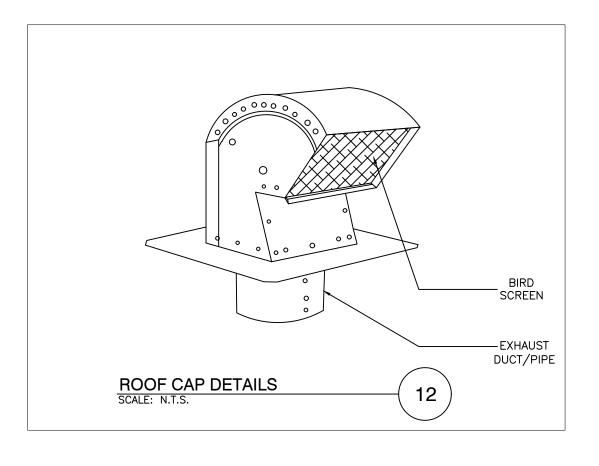












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Rock of Salvation

Harnett County,NC

10.30.2024

PROJECT

Church

DATE:

PROJECT

36 Line Rd,

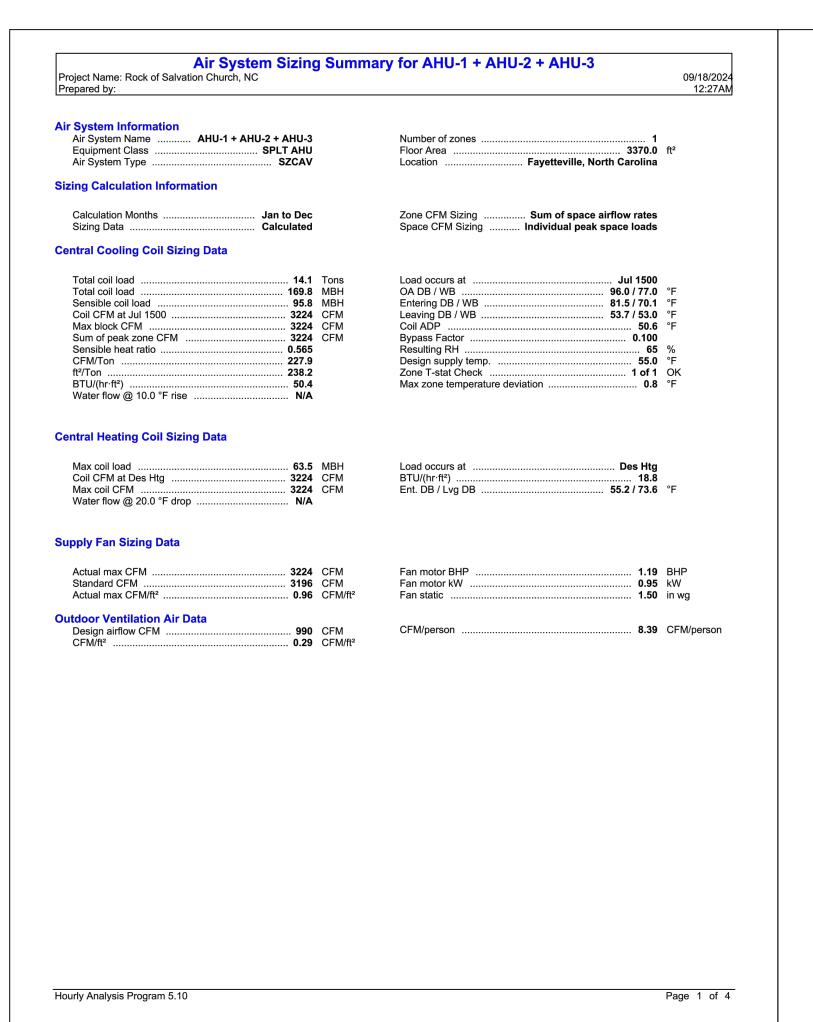
TOWN, STATE

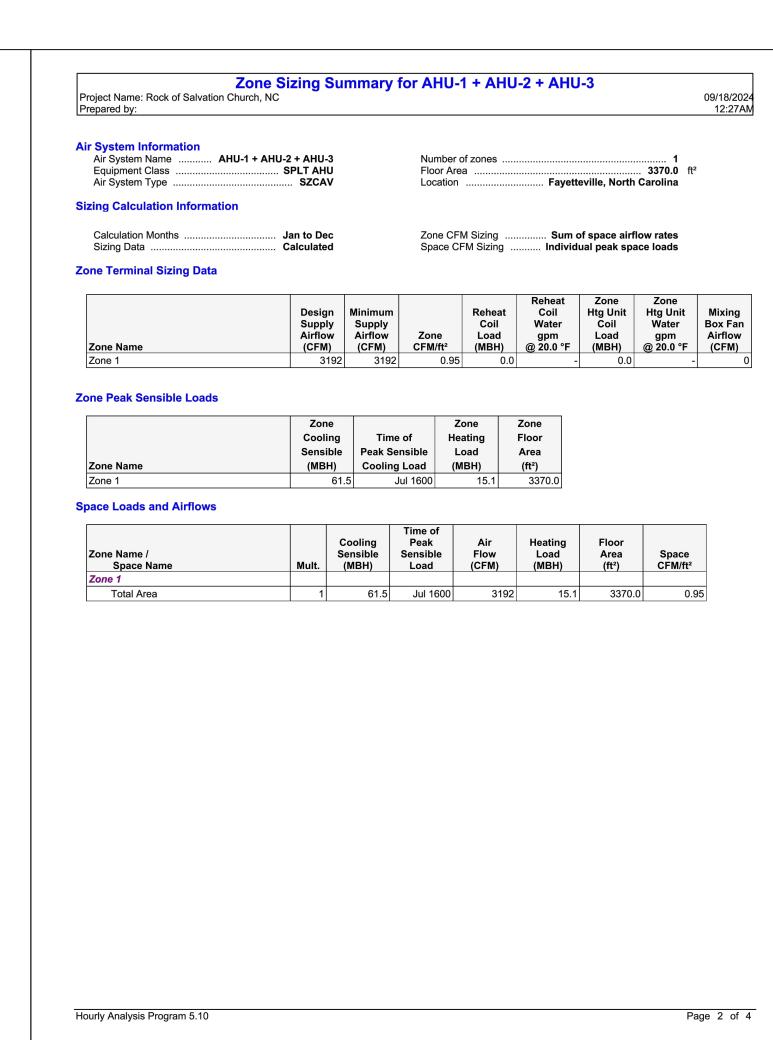


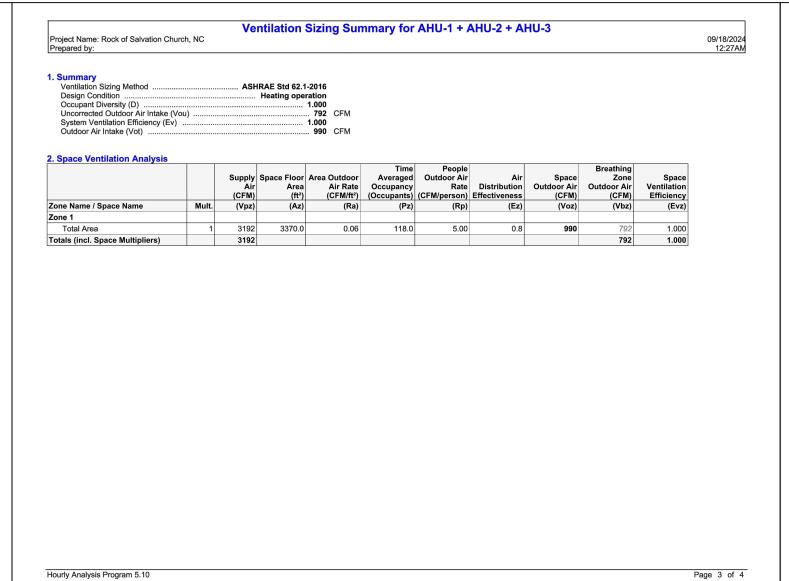
MECHANICAL DETAILS & HEAT LOAD CALCULATION

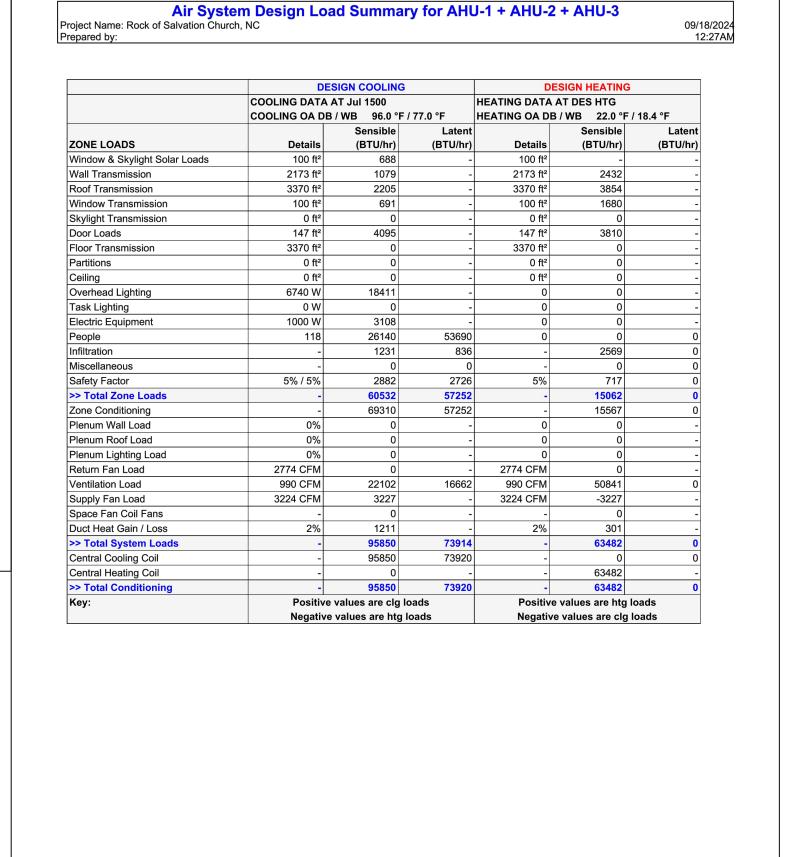
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Hourly Analysis Program 5.10

Kevin Cole and Associate
DESIGN CONSULTANT &
CONSTRUCTION MANAGEMENT

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PROJECT
Rock of Salvation
Church

36 Line Rd,

Harnett County,NC

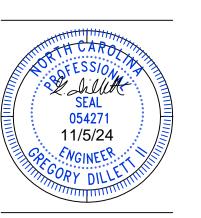
TOWN, STATE

DATE: 10.30.2024
PROJECT -

REVISION DATE
1
2
3
4
5

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ARCHITECT OF RECORD:



MECHANICAL HEAT LOAD CALCULATION

SCALE: AS SHOWN

M4.01

	LEG]	END	
ACU AFF AHJ BHP BFP	AIR CONDITIONING UNIT ABOVE FINISHED FLOOR AUTHORITY HAVING JURISDICTION BRAKE HORSEPOWER BACKFLOW PREVENTER	EF-1 	EQUIPMENT TYPICAL EQUIPMENT DESIGNATION (EXHAUST FAN SHOWN) ROOM THERMOSTAT OR
BTUH C	BRITISH THERMAL UNIT PER HOUR COMMON	DSD	TEMPERATURE TRANSMITTER DUCT SMOKE DETECTOR
CAP CC CD CFM	CAPACITY COOLING COIL CEILING DIFFUSER CUBIC FEET PER MINUTE		GENERAL ARCHITECTURAL BACKGROUND (THIN LINE)
CLG CO COMB CONT	CEILING, COOLING CLEAN OUT COMBUSTION CONTINUE, CONTROL		NEW MECHANICAL WORK (HEAVY LINE) MATCH LINE OR PROPERTY LINE
CONTR COP CWS D	CONTRACTOR COEFFICIENT OF PERFORMANCE CHILLED WATER RETURN DIAMETER		SECTION INDENTIFICATION (DETAIL SIMILAR) INDICATES DIRECTION OF CUTTING
DB DEG DIM DISCH	DRY BULB, DECIBEL DEGREE DIMENSION DISCHARGE	M-3 M-3	PLANE LETTER INDICATES SECTION (NO. INDICATES DETAIL) SHEET # WHERE SECTION IS DRAWIN
DN EAT EFF EG	DOWN ENTERING AIR TEMPERATURE EFFICIENCY ENGINE GENERATOR	CD	SHEET # WHERE SECTION IS TAKEN PIPING CONDENSATE DRAINAGE
ELEC EQUIV EXH F FCU	ELECTRIC EQUIVALENT EXHAUST FAHRENHEIT FAN COIL UNIT	——————————————————————————————————————	NATURAL GAS — STANDARD PRESSURE NATURAL GAS — MEDIUM PRESSURE WASTE (W)
FCU FCW FLR FOF FPM	FAN COIL ONT FILTERED COLD WATER FLOOR FUEL OIL FILL FEET PER MINUTE		RAIN LEADER (RL) OVER FLOW RAIN LEADER (OL) VENT (V) COLD WATER (CW)
FPS G GAL GPM	FEET PER MINOTE FEET PER SECOND GAS GALLONS GALLONS PER MINUTE		HOT WATER, POTABLE, 120F HOT WATER CIRCULATING (HWC), POTABLE, 120 F
GWB HD HORIZ HP	GYPSUM WALLBOARD HEAD HORIZONTAL HORSEPOWER		HOT WATER, POTABLE, TEMPERATURE OTHER THAN 120F HOT WATER CIRCULATING (HWC),POTABLE TEMPERATURE OTHER THAN 120 F
HPU HVAC HWR	HEAT PUMP UNIT HEATING, VENTILATING, AND AIR CONDITIONING HOT WATER RETURN		IRRIGATION PIPE CAP PIPE PLUG
HWS ID IN	HOT WATER SUPPLY INDIRECT DRAIN INSIDE DIAMETER INCH		UNION FLANGE GATE VALVE OR BALL VALVE BALL VALVE
KW L LB MBH	KILOWATT LONG, LENGTH POUND THOUSAND BTU PER HOUR		PRESSURE REDUCING VALVE (PRV) BREAK IN PIPING OR DUCTWORK CHECK VALVE
MECH MCA MOCP	MECHANICAL MINIMUM CIRCUIT AMPACITY MAXIMUM OVER CURRENT PROTECTION	——————————————————————————————————————	BALANCING OR PLUG VALV BALANCING/MEASUING VALVE INDIRECT DRAIN, PIPE TO DRAIN
MTD OD	MOUNTED OUTSIDE DIMENSION OR DIAMETER OVER FLOW DRAIN		GLOBE VALVE BUTTERFLY VALVE WYE STRAINER WYE STRAINER WITH CAPPED HOSE
OPNG P PD POC	OPENING PUMP PRESSURE DROP, PUMPED DRAIN POINT OF CONNECTION	—————————————————————————————————————	END BLOWDOWN VALVE AUTOMATIC CONTROL VALVE, 2—WAY
PRV PSIG RD REF	PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH GAUGE ROOF DRAIN REFERENCE		AUTOMATIC CONTROL VALVE, 3—WAY RELIEF VALVE
RPM SCH SF SR	REVOLUTIONS PER MINUTE SCHEDULE SQUARE FOOT SUDS RELIEF	RPBP	REDUCED PRESSURE BACKFLOE PREVENTER REDUCED PRESSURE BACKFLOE PREVENTER
SS SQ TYP	STAINLESS STEEL SANITARY SEWER SQUARE TYPICAL	DCVA ————————————————————————————————————	FLOOR DRAIN HOSE BIBB PIPE ALIGNMENT GUIDE
UNO V VTR W	UNLESS OTHERWISE NOTED VENT VENT THRU ROOF WASTE	PS XA	FLEXIBLE CONNECTION IN PIPING PIPE SUPPORT PIPE ANCHOR
	WATT WIDW		PRESSURE GAGE
		— T	THERMOMETER PRESSURE / TEMPERATURE TEST PORT VALVE SATION OR ASSEMBLY
			PUMP GAS RISER CALLOUT WASTE/VENT RISER CALLOUT
		TMV	CW/HW RISER CALLOUT THERMOSTATIC MIXING VALVE
		T&P	BFP TEMPERATURE & PRESSURE RELIEF VALVE

GENERAL NOTES

- 1. ALL WORK MUST BE DONE BY A LICENSED PLUMBER AND SHALL BE DONE PER CURRENT EDITION OF NATIONAL AND LOCAL CODES.
- 2. THE INTENT OF THESE DRAWINGS ARE TO PROVIDE COMPLETE OPERATIONAL SYSTEMS. EVEN THOUGH ALL FITTINGS & COMPONENTS MAY NOT BE SHOWN ON THE DRAWINGS, THE CONTRACTOR WILL RESPONSIBLE FOR PROVIDING ALL SERVICES, LABOR, MATERIALS TOOLS, AND EQUIPMENT 7. FURNISH TO THE OWNER A SET OF AS-BUILT DRAWINGS IN PDF FORMAT. TO CONSTRUCT, INSTALL AND COMMISSION COMPLETE OPERATIONAL SYSTEMS.
- 3. COORDINATE ALL INSTALLATIONS WITH ALL OTHER TRADES.
- 4. VERIFY ALL DIMENSIONS AND FINAL LOCATIONS WITH THE OWNER OR OWNER'S REPRESENTATIVE OR ARCHITECT.
- 5. VERIFY THE FINISHES FOR FIXTURES WITH OWNER OR OWNER'S REPRESENTATIVE OR ARCHITECT PRIOR TO PROCUREMENT.
- 6. PROVIDE MINIMUM 1 YEAR WARRANTY ON WORKMANSHIP AND MATERIALS FROM THE DATE OF THE FINAL INSPECTION.
- 8. THE LOCATION OF THE PLUMBING FIXTURES SHALL BE VERIFIED WITH THE ARCHITECTURAL PLAN AND THE OWNER FOR FINAL CONNECTION.
- 9. THE PLUMBING ROUTING ARE SHOWN DIAGRAMMATICALLY, AND CONTRACTOR MUST FIELD VERIFY THE ROUTING AND COORDINATE IT WITH THE OWNER AND ARCHITECTURE AND ADJUST IT IF NEEDED.

PIPE MATERIALS

- 1. UNDERGROUND SERVICE ENTRANCE PIPING: COPPER TYPE L.
- 2. ABOVEGROUND WATER DISTRIBUTION PIPING: CPVC
- 3. UNDERGROUND WASTE & VENT PIPING: CPVC
- 4. ABOVEGROUND WASTE & VENT PIPING: CPVC
- 5. ABOVEGROUND GAS PIPING: STEEL PIPE, ASTM A 53; TYPE E OR S; GRADE B; SCHEDULE 40; BLACK.
- 6. UNDERGROUND GAS PIPING: POLYETHYLENE, ASTM D-2513
- CONDENSATE DRAIN PIPING: CPVC
- UNDERGROUND STORM PIPING: CPVC.
- 9. ABOVEGROUND STORM PIPING: CPVC

PIPE INSULATION SCHEDULE

SERVICE	MATERIAL	THICKNESS	FEILD APPLIED JACKET	VAPOR RETARDER REQUIRED
DOMESTIC COLD WATER AND CONDENSATE DRAINS	MINERAL-FIBER WITH JACKET	ALL SIZES: 1/2"	NONE	YES
DOMESTIC HOT WATER WITHIN THE UNITS (NON-RECIRCULATED)	MINERAL-FIBER WITH JACKET	RUNOUTS: 1/2" 1/2"-2" PIPE: 1"	NONE	YES
DOMESTIC, HOT AND RECIRCULATED WATER OPERATING TEMPERATURE: 105 TO 140 DEG F.	MINERAL-FIBER WITH JACKET	RUNOUTS: 1/2" 1/2"-2" PIPE: 1" 2"-6" PIPE: 1-1/2"	NONE	YES
HORIZONTAL RAINWATER CONDUCTORS	MINERAL-FIBER OR CELLULAR GLASS, WITH JACKET	ALL SIZES: 1/2"	FOIL AND PAPER	YES
ROOF DRAIN BODIES	MINERAL-FIBER OR CELLULAR GLASS, WITH JACKET	1"	NONE	YES
EXPOSED SANITARY DRAINS AND DOMESTIC WATER SUPPLIES AND STOPS FOR FIXTURES FOR THE DISABLED.	"LAV - GUARD" AS MANUFACTURE BY TRUEBRO	N/A	PVC P-TRAP AND SUPPLY COVERS	NO

FIVE TYPE	OTV		DEMAND WEIGHT IN WSFU ¹						
FIXTURE TYPE	QTY	COLD ²	HOT ²	FIXTURE DEMAND	TOTAL COLD WATER	TOTAL HOT WATER	TOTAL DEMAND	DFU	TOTAL
WATER CLOSET, 1.6 GPF	7	5.0	0	5.0	35.0	0.0	35.0	4	28.0
LAVATORY	5	1.5	1.5	2.0	7.5	7.5	10.0	2	10.0
KITCHEN SINK	1	3.0	3.0	4.0	3.0	3.0	4.0	2	2.0
BAPTISTRY	1	2.5	0.0	2.5	2.5	0.0	2.5	3	3.0
DRINKING FOUNTAIN	2	0.3	0.0	0.3	0.5	0.0	0.5	2	4.0
FLOOR DRAIN	3	0.0	0.0	0.0	0.0	0.0	0.0	2	6.0
TOTAL FIXTURE UNITS	-			1	48.5	10.5	52.0		46.0
EQUIVALENT WATER DEMAND IN GPM ³					29.1	15.4	32.0		
OTHER REQUIRED WATER OUTLETS IN GPM					0.0	0.0	0.0		
TOTAL WATER DEMAND IN GPM					29.1	15.4	32.0		
REQUIRED MINIMUM PIPE SIZE ⁴					1 1/4"	1"	1 1/4"		
PROVIED PIPE SIZE ⁴	PROVIED PIPE SIZE ⁴						,		4"

- 1. FIXTURE UNITS ARE BASED ON 2018 IPC TABLE E103.3(2) FOR WATER AND TABLE 709.1 FOR DRAINAGE.
- 2. THE SEPARATE COLD WATER AND HOT WATER FIXTURE UNITS ARE TAKEN AS THREE-QUARTER (3/4) OF TOTAL FIXTURE DEMAND, PER 2018 IPC TABLE E103.3(2)
- 3. GPM EQUIVALENTS ARE BASED ON 2018 IPC TABLE E103.3(3)
- 4. PIPE SIZE ARE BASED ON 2018 IPC CHART E103.3(3) AND E201.1 FOR WATER AND TABLE 710.1(1) AND TABLE 710.1(2) FOR SEWER.

DRAWING LEGEND

DESCRIPTION	LINE SYMBOL
SANITARY LINE	S ————————————————————————————————————
VENT PIPING	
FLOOR DRAIN	FD 🔯
HOT WATER SUPPLY	
COLD WATER SUPPLY	
LPG LINE	GAS GAS GAS GAS GAS GAS
CONDENSATE PIPE	
CLEAN OUT	CO C
WATER METER	M
WATER SHUTOFF VALVE	
GAS SHUTOFF VALVE	
BACKFLOW PREVENTER	BFP WHAN
PRESSURE RELIEF VALVE	PRV
THERMOSTATIC MIXING VALVE	TMV
RPZ BACKFLOW DEVICE	RPZ
HOT WATER TEMPERATURE CONTROL VALVE	

FIXTURE SCHEDULE									
ITEM	FIXTURE	COLD WATER	HOT	WASTE	VENT	STORM	DESCRIPTION		
(WC)	WATER CLOSET	3/4"	-	3"	2"	-	1.6 GALLONS / FLUSH SELECTION TBD BY OWNER.		
L	LAVATORY	1/2"	1/2"	2"	1-1/2"	-	0.5 GPM, SELECTION TBD BY OWNER		
(KS)	KITCHEN SINK	1/2"	1/2"	2"	1-1/2"	-	2.2 GPM @60 PSI. SELECTION TBD BY OWNER.		
BA	BAPTISTRY	3/4"	-	-	-	-	SELECTION TBD BY OWNER.		
DF	DRINKING FOUNTAIN	1/2"	-	1-1/4"	1-1/4"	-	SELECTION TBD BY OWNER.		

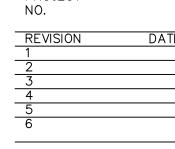
WATER HEATER SCHEDULE							
FIXTURE SYMBOL	MANUFACTURER	MODEL NUMBER	CAPACITY GALLONS	ELECTRICAL CAPACITY	FIRST HOUR RATING (GALLON)	UNIFORM ENERGY FACTOR	REMARKS
WH-1	RHEEM	XE50T06ST45U1	50	4.5 KW	61	.93	SEE DETAILS IN SHEET P5

FAYETTEVILLE NC, 28306 ©2022

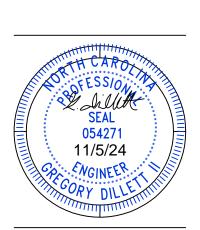
PROJECT Rock of Salvation Church

36 Line Rd, Harnett County,NC TOWN, STATE DATE: PROJECT

10.30.2024



ARCHITECT OF RECORD:



PLUMBING COVER SHEET

SCALE: AS SHOWN

DRAWN BY: KEVIN COLE

CODES ANALYSIS

THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES

2018 INTERNATIONAL BUILDING CODE, IBC 2018 INTERNATIONAL RESIDENTIAL CODE, IRC

2017 NATIONAL ELECTRIC CODE, NEC

2018 INTERNATIONAL MECHANICAL CODE, IMC 2018 INTERNATIONAL PLUMBING CODE, IPC

2018 INTERNATIONAL ENERGY CONSERVATION CODE

2018 INTERNATIONAL FUEL GAS CODE, IFGC

NOTE:
THE CONTRACTOR TO VERIFY THE LOCATION OF EXISTING WATER AND SANITARY LINES.



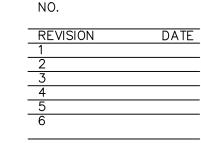
FAYETTEVILLE NC, 28306 ©2022

PROJECT
Rock of Salvation
Church

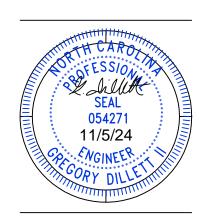
36 Line Rd, Harnett County,NC

TOWN, STATE

DATE: 10.30.2024
PROJECT –
NO.



ARCHITECT OF RECORD:



PLUMBING PLANS

SCALE: AS SHOWN

P2.01

NOTE:
THE CONTRACTOR TO VERIFY THE LOCATION OF EXISTING WATER AND SANITARY LINES.

Kevin Cole and Associate
DESIGN CONSULTANT &
CONSTRUCTION MANAGEMEN

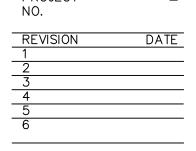
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PROJECT
Rock of Salvation
Church

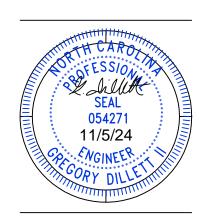
36 Line Rd, Harnett County,NC

TOWN, STATE

DATE: 10.30.2024
PROJECT _
NO.



ARCHITECT OF RECORD:



PLUMBING PLANS

SCALE: AS SHOWN

P3.01

Kevin Cole and Associate

ESIGN CONSULTANT & CONSTRUCTION MANAGEMENT

FAYETTEVILLE NC, 28306 ©2022

PROJECT Rock of Salvation Church

36 Line Rd, Harnett County,NC

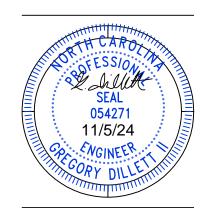
TOWN, STATE

DATE: 10.30.2024
PROJECT -

REVISION DATE

1
2
3
4
5

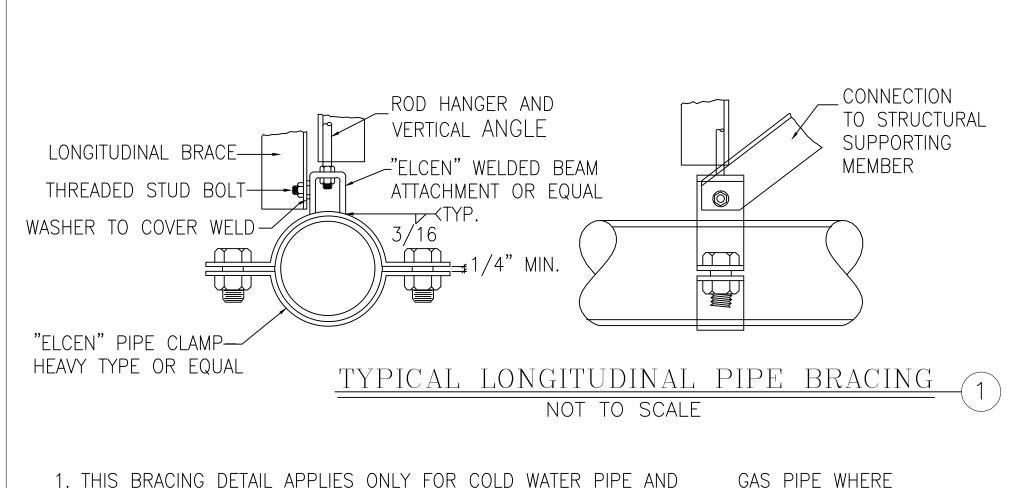
ARCHITECT OF RECORD:



PLUMBING RISER

SCALE: AS SHOWN

P4.01



1. THIS BRACING DETAIL APPLIES ONLY FOR COLD WATER PIPE AND MOVEMENT OF THE PIPE DUE TO TEMPERATURE DIFFERENTIAL IS NEGLIGIBLE

"CLEANOUT" TO BE CAST IN COVER

- CAST IRON CLEANOUT WITH COVER FOR APPLICABLE DUTY ---

- GRADE OR PAVING

CAST IRON LONG SWEEP
 1/4 BEND OR CAST IRON

COMB. Y & 1/8 BEND. (USE REDUCING TYPE

OR DRAIN —

MAY EXTEND AS

WASTE OR VENT

AREAS ONLY PLUGGED TEE

INTERIOR WALL CLEANOUT (WCO)

WITH CLEANOUT

CHROME WALL COVER AND SCREW AT FINISH

EXTERIOR CLEANOUT TO GRADE (COTG)
(LIGHT TRAFFIC AREA)

CLEANOUT DETAIL

SCALE: NONE

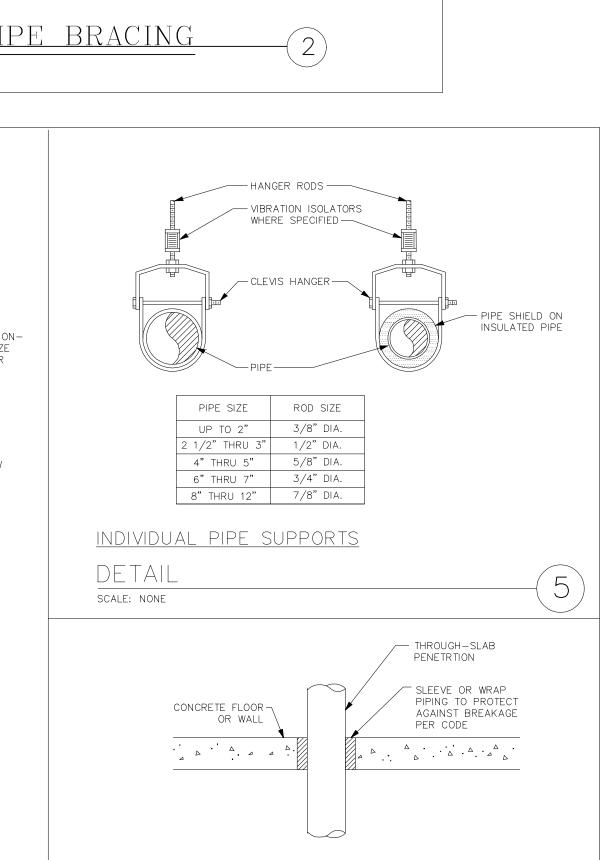
6" THICK BY 18" SQUARE CONCRETE

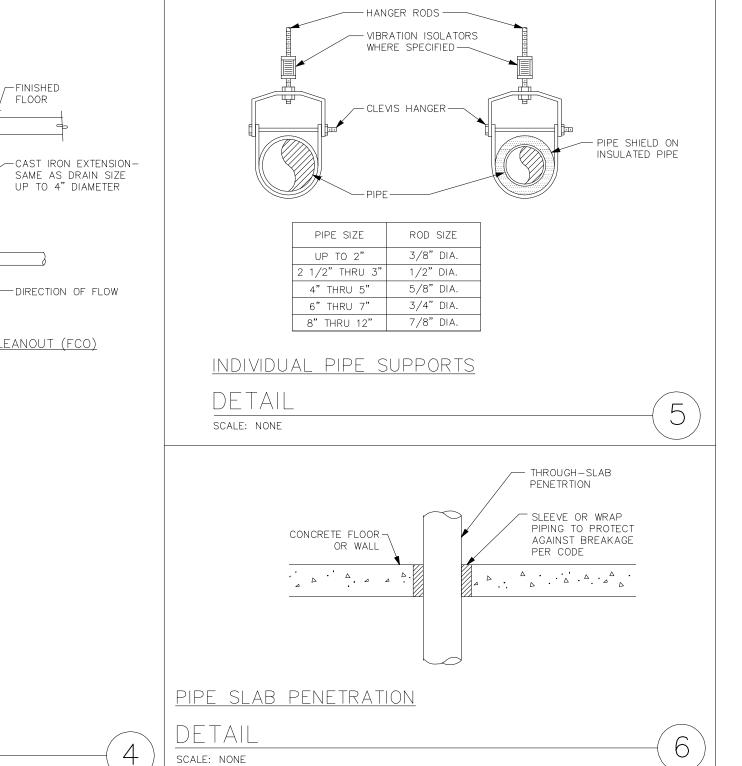
2. IT IS THE RESPONSIBILITY OF THE USER OF THIS GUIDELINE TO ASCERTAIN ADEQUATE BRACING AND ANCHORAGE DEVICE BE DESIGNED FOR PIPE WHENEVER THE MOVEMENT EXISTS. PROVIDE ONE ANCHOR POINT IN ONE PIPE RUN. DUE TO THERMAL DIFFERENTIAL ALLOW FOR LONGITUDINAL PIPE MOVEMENT AT THE OPPOSITE END OF THE ANCHOR POINT.

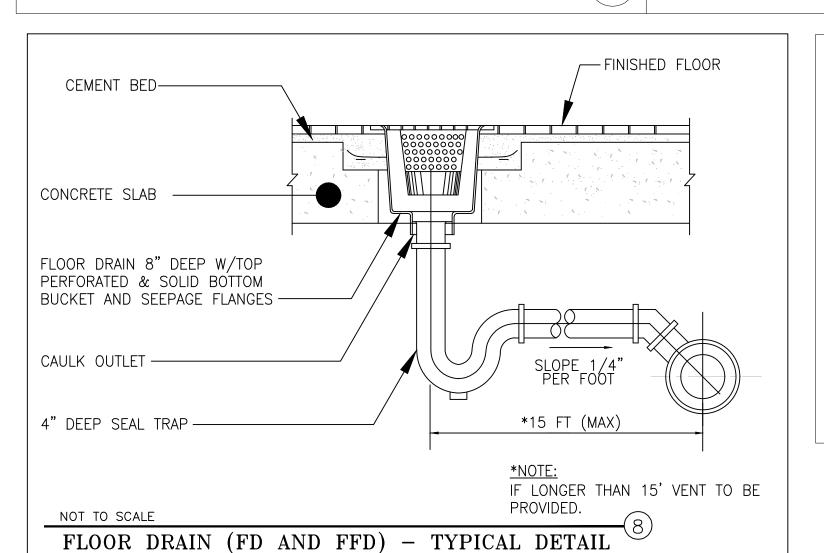
FINISHED FLOOR

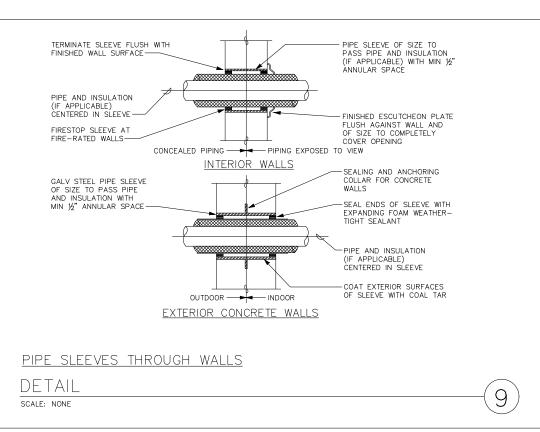
INTERIOR FLOOR CLEANOUT (FCO)

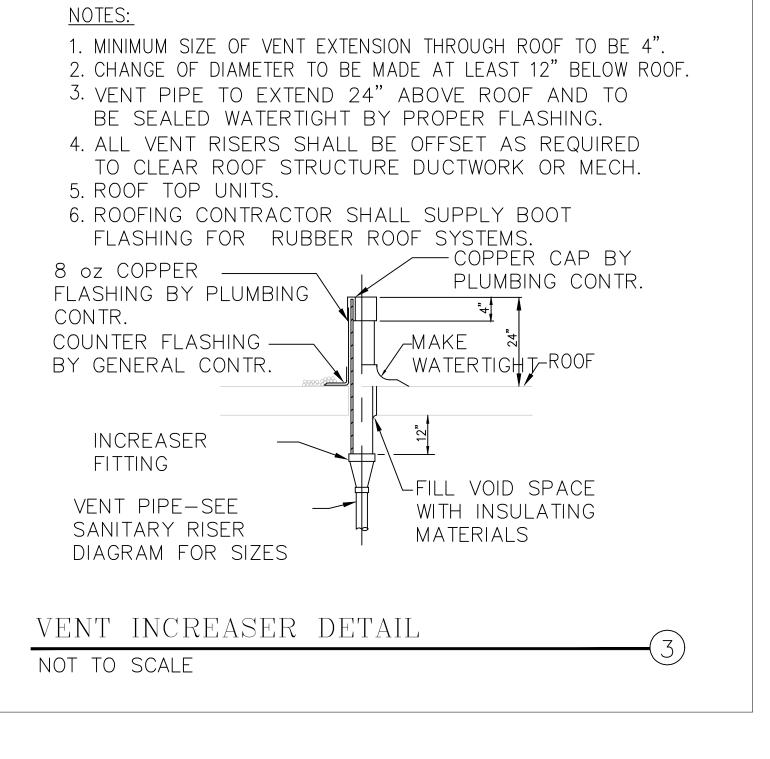
LONGITUDINAL PIPE BRACING
NOT TO SCALE

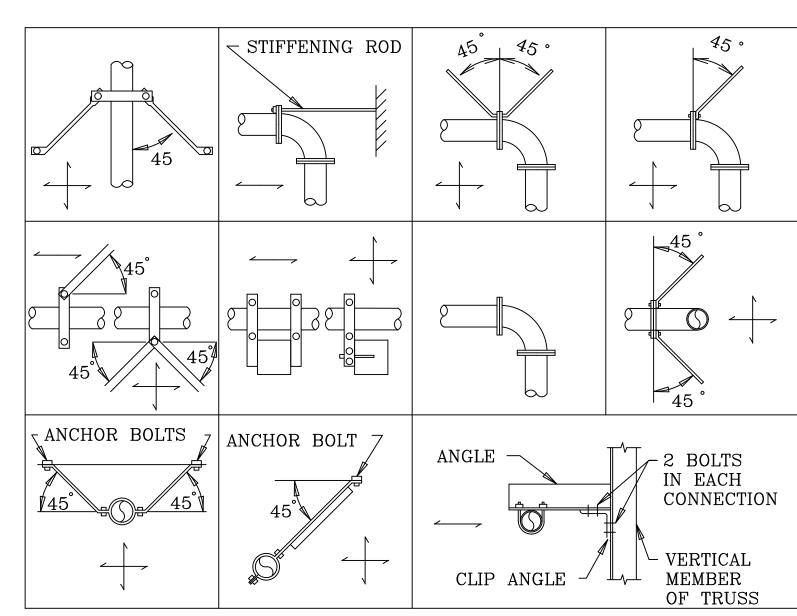




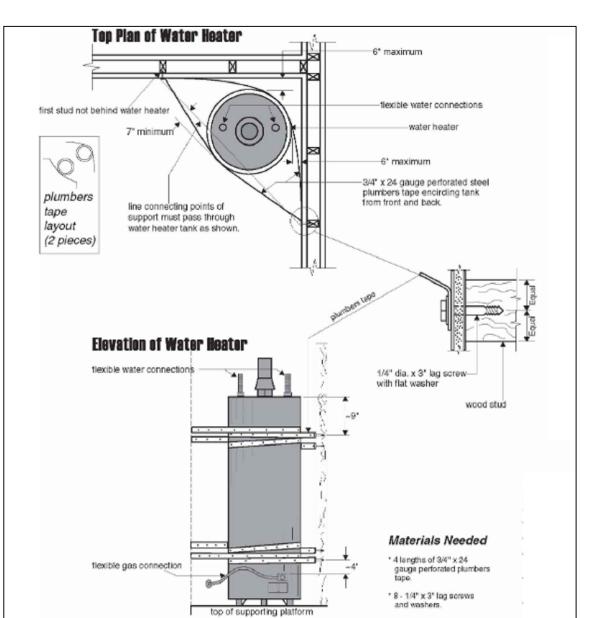




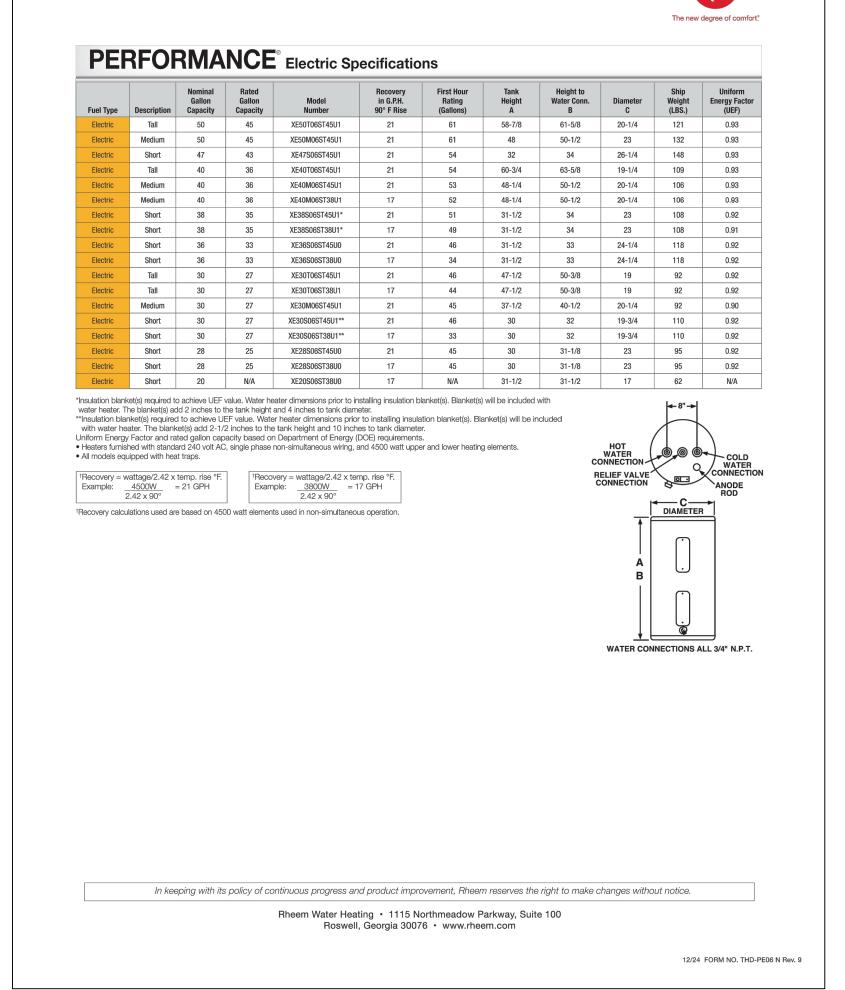




SEISMIC DETAILS FOR SWAY BRACING







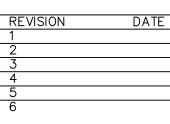


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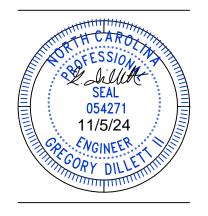
PROJECT Rock of Salvation Church

36 Line Rd, Harnett County,NC

TOWN, STATE DATE: PROJECT 10.30.2024

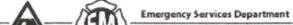


ARCHITECT OF RECORD:



PLUMBING DETAILS

SCALE: AS SHOWN







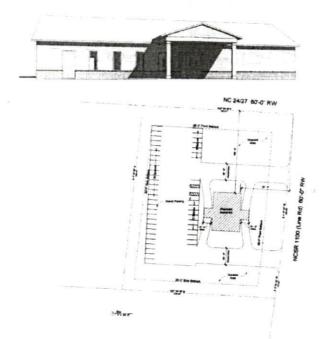


Application for Plan Review

,	Application #	BCOM Z	501.0013
Date Received:	27.25	Received By:	djelukom
Name of Project:	ROCK	of Salvatio	n Church
Physical Address of Project:	36 L	ine Road	
	Came	ron	, NC 2832 C
Plans Submitted By:	ALPha	Builders a	wd Consulfants Inc
Project Phone:	(910)	584-9209	-
Contact Person/Address:	273 G	-illespie st	ncet
	Fayer	Huille N.C.	28301
Contact Email:	Lemoo	re3601@9	mail.com
Contact Phone:	(910)	584. 9209	(910)-299-6306
Contractor's Name/Info:	Donald	I E . Moore	Sr
	553	Porter Ro.	ul
	Hope	mills we.	28348
Contractor's Phone:	(910)	584. 9209	

- Plans that are submitted will be reviewed as quickly as possible with an <u>average time of review</u> between 7-10 working days.
- Status checks may be conducted on plan reviews by visiting the website http://hteweb.harnett.org/Click2GovBP/Index.jsp or by calling the Harnett County Central Permitting Office (910-893-7525, Option #2), or the Harnett County Fire Marshal's Office (910-893-7580).
- Approved plans must be picked up from the Central Permitting Office and all fees paid before any
 required inspections can be conducted.

PROPOSED NEW CONSTRUCTION ROCK OF SALVATION CHURC 36 LINE RD CAMERON, NC 28326



Road of Saveners Church
Structure In Contract In Contr



COUNTY OF HARNETT LAND USE APPLICATION

Central Permitting (Physical) 108 E. Front Street, Lillington, NC 27546 (Mailing) PO Box 65 Lillington NC 27546 Phone: (910) 893-7525 opt # 2 Fax: (910) 893-2793 www.harnett.org/permits

Initial Application Date: 12 Nov 2024

Church

Comments:

Application #	BCM 2501.0013)
DRB#	CU#	

Of Salvation Church Mailing Address: 36 Line Road State: NC Zip 28326 Contact # 9/0-39/-8083 Email: 6/8hopTwbrown@gmail.com City: Cameron APPLICANT Alpha Builders and Consultants Inc Mailing Address: 273 Gilles Piest State: NC Zip 28301 ... itact # - 910-584-9209 Sem ou re 3601@g mail com *Please fill out applicant information if different than landowner CONTACT NAME APPLYING IN OFFICE: DONAL MOVE Phone # 910-584-9209 Address: 36 LINE ROad PIN: 9546-42-1/24.000 Deed Book Page: 03722 0655 PROPOSED USE: Multi-Family Dwelling No. Units: ______No. Bedrooms/Unit: ____ Sq. Ft. Retail Space: _______ Hours of Operation:______ Hours of Operation:_____ Business # Preschoolers: # Afterschoolers: # Employees: Hours of Operation: Daycare Sq. Ft: ______ # Employees: _____ Hours of Operation:____ Industry

Seating Capacity: 176 # Bathrooms: 3 Kitchen: 1

Relocation

If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted.

I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information is provided.

New Well (# of dwellings using well ____

(Need to Complete New Well Application at the same time as New Tank)

Existing Septic Tank

Signature of Owner or Owner's Agent

Accessory/Addition/Other (Size x) Use:

Expansion

omplete Environmental Health Checklist on other side of application if Septic

12 NOV 2024

County Sewer

) *Must have operable water before final

Date

This application expires 6 months from the initial date if permits have not been issued

RECORDED DEED (OR OFFER TO PURCHASE) AND PLAT ARE REQUIRED WHEN APPLYING FOR LAND USE APPLICATION

It is the owner/applicants responsibility to provide the county with any applicable information about the subject property, including but not limited to: boundary information, house location, underground or overhead easements, etc. The county or its employees are not responsible for any incorrect or missing information that is contained within these applications.

This application expires 6 months from the initial date if permits have not been issued



APPLICATION CONTINUES ON BACK

This application expires 6 months from the initial date if permits have not been issued

This application to be filled out when applying for a septic system inspection.

County Health Department Application for Improvement Permit and/or Authorization to Construct

IF THE INFORMATION IN THIS APPLICATION IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THEN THE IMPROVEMENT PERMIT
OR AUTHORIZATION TO CONSTRUCT SHALL BECOME INVALID. The permit is valid for either 60 months or without expiration depending upon documentation submitted. (Complete site plan = 60 months; Complete plat = without expiration

doc	cumentation	submitted. (0	Complete site plan = 60 mo	onths; Complete plat = without e	xpiration		
	All p be ci Place build Place If prevalue	property in learly flagg e "orange lings, swim e orange E operty is t uation to be ots to be	ed approximately ever house corner flags" at ming pools, etc. Place invironmental Health of hickly wooded, Environ e performed. Inspector addressed within 10	isible. Place "pink propert ry 50 feet between corners t each corner of the prope e flags per site plan developed and in location that is easi conmental Health requires ors should be able to walk the business days after co	by flags" on each corner iron of s. osed structure. Also flag drive oped at/for Central Permitting. By viewed from road to assist in that you clean out the und freely around site. Do not grantification. \$25.00 return triperty lines, etc. once lot confin	eways, garages, decks, out in locating property. lergrowth to allow the soil inde property. p fee may be incurred for	
	 Environmental Health Existing Tank Inspections Follow above instructions for placing flags and card on property. Prepare for inspection by removing soil over outlet end of tank as diagram indicates, and lift lid straight up (if possible) and then put lid back in place. (Unless inspection is for a septic tank in a mobile home park) DO NOT LEAVE LIDS OFF OF SEPTIC TANK 						
If a	Accepte Alterna	ed ative	on to construct please indi {	icate desired system type(s): c	an be ranked in order of preference { Any	e, must choose one.	
que {	Stion. If the		"yes", applicant MUST Does the site contain an	nent upon submittal of this appropriate of the properties of the p		apply to the property in	

I Have Read This Application And Certify That The Information Provided Herein Is True, Complete And Correct. Authorized County And State Officials Are Granted Right Of Entry To Conduct Necessary Inspections To Determine Compliance With Applicable Laws And Rules. I Understand That I Am Solely Responsible For The Proper Identification And Labeling Of All Property Lines And Corners And Making The Site Accessible So That A Complete Site Evaluation Can Be Performed.

Does the site contain any existing water, cable, phone or underground electric lines? If yes please call No Cuts at 800-632-4949 to locate the lines. This is a free service.

Are there any existing wells, springs, waterlines or Wastewater Systems on this property?

Is any wastewater going to be generated on the site other than domestic sewage?

Does or will the building contain any drains? Please explain.

Is the site subject to approval by any other Public Agency?

Are there any Easements or Right of Ways on this property?

{ YES

YES

{ }YES

NO

NO

{ NO

NO

NO NO

{ NO



*Each section below must be filled out by whoever is performing the work. Must be owner or licensed contractor. Address, company name & phone must match information on state license.

Application # _____

Harnett County Central Permitting PO Box 65 Lillington, NC 27546 910-893-7525 Fax 910-893-2793 www.harnett.org/permits

COMMERCIAL

Application for Building and Trades	<u>Permit</u>
Owner's Name: Rock of Salvation Church	Date: /2 NOV 2024
Site Address: 36 Line Road Cameron NC. 288	
Description of Proposed Work:	
General Contractor Information: Building Cost \$	
Alpha Builders and Consultants INC	910-584-9209
Building Contractor's Company Name	Telephone
273 Gillespie Street Fayettecille N.C. 2830/	demoore 3601@gmail.com
Address	Email Address
Signature of Owner/Contractor/Officer(s) of Corporation	82078 License #
Electrical Contractor Information: Electrical Cost	
Description of Work In Stall of Electrical Service Size:	Amps #T-Poles
Action Electrica HVAC Repair LLC	910-476-6586
Electrical Contractor's Company Name	Telephone
PO Box 1497 Fagetteulle NC 28302	actiones @ acl. Com Email Address
Addiess	L.19211
Signature of Owner/Contractor/Officer(s) of Corporation	License #
Mechanical Contractor Information: Mechanical Co	
Description of Work Install of Heating and Air	_# Units
Rays Heating and Air	910 - 723 - 6768 Telephone
Mechanical Contractor's Company Name	
P.O. Box 20042 Fageffeulle NG28312 Address	Irayshvac@gmailicem Email Address
Addiess	L.327/2
Signature of Owner/Contractor/Officer(s) of Corporation	License #
Plumbing Contractor Information: Plumbing Cost \$	
Description of Work Thumbing Installand Stub-up baptizm	al fool # Baths
T.O. Plumbing Service Plumbing Contractor's Company Name	910-487-1803
	Telephone
1031 Knugley Road Fagetteville N.C. 28314 Address	billing@toplumbingservicelk.com Email Address
	4.18908
Signature of Owner/Contractor/Officer(s) of Corporation	License #
Tri City Insulation 3154 Cander Rd Fagetta	11 - 40K-8865
Insulation Contractor's Company Name & Address	Telephone



Sprinkler Contractor Information	1						
Sprinkler Contractor's Company Name	Telephone						
Address	Email Address						
Signature of Officer(s) of Corporation Fire Alarm Contractor Informatio							
	_						
Fire Alarm Contractor's Company Name	Telephone						
Address	Email Address						
Signature of Officer(s) of Corporation	License #						
<u>Driveway Access</u> - NC Department of Transportation Driveway Acc	cess/Permit?Yes No						
I hereby certify that I have the authority to make necessary application, that the application is correct and that the construction will conform to the regulations in the Building, Electrical, Plumbing and Mechanical codes, and the Harnett County Zoning Ordinance. I state the information on the above contractors is correct as known to me and if any changes occur including listed contractors, site plan, number of bedrooms, building and trade plans, Environmental Health permit changes or proposed use changes, I certify it is my responsibility to notify the Harnett County Central Permitting Department of any and all changes. Expired Permit Fees - 6 months to 2 years permit re-issue fee is \$150.00. After 2 years re-issue fee is charged at full price per current fee schedule.							
Signature of Owner/Contractor/Officer(s) of Corporation	Date						
Affidavit for Worker's Compensation No. The undersigned applicant being the: General Contractor Owner Officer/Agent of	.C.G.S. 87-14 of the Contractor or Owner						
Do hereby confirm under penalties of perjury that the person(s), firm(s) or corporation(s) performing the work set forth in the permit:							
Has three (3) or more employees and has obtained workers' com	pensation insurance to cover them.						
Has one (1) or more subcontractors(s) and has obtained workers' compensation insurance to cover them.							
Has one (1) or more subcontractors(s) who has their own policy of workers' compensation insurance covering themselves.							
Has no more than two (2) employees and no subcontractors.							
While working on the project for which this permit is sought it is understood that the Central Permitting Department issuing the permit may require certificates of coverage of worker's compensation insurance prior to issuance of the permit and at any time during the permitted work from any person, firm or corporation carrying out the work. Sign w/Title: Date: 12 Wov 2-24							