Lillington Grace Church of the Nazarene

401 South Street, Lillington, N. C. 27546 May 18, 2020

CONTACT:	osed Use: CHURC er or Authorized Agent:	BRAD BYERS	Phone	#: <u>910-385-7763</u> E-Mail
CONTACT: William A. Gall, P.E.	ed By: • Enforcement Jurisdiction			_
DESIGNER	Emorodinant various	on	[\(\int_{\infty}\) County.	HARNET
DESIGNER				
DESIGNER				
Administration			NAME LICENS	E# TELEPHONE# FMAII
Packed		1 II XIVI	NAME LICENS	E# TELEPHONE # E-MAIL
First Alarm				
Machanical Color Machanical	Fire Alarm			
Structure Stru	Mechanical			
Million Mill		EXISTING STRUCTURE		
### 1.00R MAN APPENDX & & LIFE SAFETY* 2018 N.C. BUILDING CODE:			William A. Gold 05363	252 522 2527
Addition Please Construction-Sheal Core Alternation Lovel Historic Position Caback All disk analyte Alternation Lovel Historic Position Caback All disk analyte Alternation Level Historic Position Construction Construction				252-522-2567 wgold2@suddeniin
Addition Please Construction-Sheal Core Alternation Lovel Historic Position Caback All disk analyte Alternation Lovel Historic Position Caback All disk analyte Alternation Level Historic Position Construction Construction	2018 NC BUILDING	CODE: New Bui	Iding \(\subseteq \text{Shell/Core} \)	1 st Time Interior Completions
	2010110 001201110			
Constructed Chapter 14		G BUILDING CODE:	_	
CONSTRUCTED: (date)	(спеск ан тан арргу)			
DECUDANCY CATEGORY (Table 1804.5):				
BASIC BUILDING DATA				
BASIC BUILDING DATA				p. 2
Conduction Type:	OCCUPANCY CATE	EGORY (Table 1604.5)	: Current:	Proposed: II
Sprinkfors: No Partial NFPA 13 NFPA 13 NFPA 130 NFPA	BASIC BUILDING D	ATA		
Sofinition Sof	Construction Type:	= =		
Standplopes No Class	спеск ин тат арріу)	□ I-B	∐ III-B	XI V-B
Primary Prim	Sprinklers: X N	o 🔲 Partial	☐ NFPA 13 ☐ NF	PA 13R NFPA 13D
Special Inspections Required: No Yes				_ ′
September Suisting (seq. ft.) NEW (sq. ft.) SUB-TOTAL Std Floor Std Floor Sub-Total Su			Flood Hazard Area:	☐ No ☐ Yes
NEW (sq. ft.) NEW (sq. ft.) SUB-TOTAL Self-TOTAL Self-TOTAL	ороны парсыны к еді	anou res		
Section Sect		GROS	SS BUILDING AREA TA	BLE
Accessory Company Co		EXISTING (sq. ft.)	NEW (sq. ft.)	SUB-TOTAL
September Sept	2nd Floor			
ALLOWABLE AREA	Mezzanine 1st Floor		5,200	5.200
ALLOWABLE AREA Primary Occupancy Classification(s): Assembly	Basement			
Primary Occupancy Classification(s): Assembly	TOTAL			5,200
Primary Occupancy Classification(s): Assembly			ALLOWARIE AREA	
Hazardous	Business	□ A-1 □ A □	-2 ∑ A-3	∐ A-4
Institutional I-1	Factory	F-1 Moderate	-2 Low	
Institutional I-1	Hazardous	☐ H-1 Detonate ☐ H	-2 Deflagrate	ust H-4 Health H-5 HPM
1-3 Condition				
1-2 Condition				•
I-3 Condition				
Mercantile				
Residential R-1 R-2 R-3 R-4 Storage S-1 Moderate Storage S-2 Low High-piled Parking Garage Open Enclosed Repair Garage Weekersory Occupancy Classification(s):		ı ∐1 ∐2 ∏;	3	
Storage S-1 Moderate S-2 Low High-piled Parking Garage Open Enclosed Repair Garage	Mercantile			* * *
Parking Garage Open Enclosed Repair Garage	Residential	☐ R-1 ☐ F	R-2 R-3	☐ R-4
Utility and Miscellaneous Accessory Occupancy Classification(s):	Storage	S-1 Moderate	S-2 Low	High-piled
Utility and Miscellaneous Accessory Occupancy Classification(s):		☐ Parking Garage ☐ 0	Open	Repair Garage
This separation is not exempt as a Nonseparated Use (see exceptions). Special Uses (Chapter 4 - List Code Sections): Special Provisions: (Chapter 5 - List Code Sections): Alixed Occupancy: No Yes Separation: 2 HR Hr. Exception:	Utility and Misce			
This separation is not exempt as a Nonseparated Use (see exceptions). Special Uses (Chapter 4 - List Code Sections): Special Provisions: (Chapter 5 - List Code Sections): Mixed Occupancy: No Yes Separation: 2 HR Hr. Exception:				
Special Uses (Chapter 4 - List Code Sections):		,	parated Healess avanting	
Special Provisions: (Chapter 5 - List Code Sections):				
Non-Separated Use (508.3) Yes Separation: 2 HR Hr. Exception: -		The second secon		
Non-Separated Use (508.3) Separated Use (508.3) Separated Use (508.3) Separated Use (508.3) Separated Use (508.3) See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1. Select one	Mixed Occupancy:			X
Separated Use (508.3) See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1. Select one		_		
shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1. Select one			rea calculations for each stor	v. the area of the occupancy
Select one Actual Area of Occupancy A Actual Area of Occupancy B Allowable Area of Occ	shall be such th	at the sum of the ratios of	the actual floor area of each i	
Actual Area of Occupancy A Allowable Area of Occupancy A Allowable Area of Occupancy B 3600/6000		ion use shall not exceed 1.		
Allowable Area of Occupancy A Allowable Area of Occupancy B 3600/6000	Select one			
3600/6000	_Actual A	rea of Occupancy A +	Actual Area of Occupancy	$\frac{B}{R} = < 1$
SANCTUARY SIDE (A) (B) (B) (B) (C) (C) (D) (D) (D) (D) (D) (D				у В —
C C C C C C C C				= <u>0.87</u> <u><</u> 1.00
AND USE PER STORY AREA PER STORY OF	DESCI	(A)	(B)	(G) (D)
1 A-3 5,200 6,000 - 6,000 Use most restrictive 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 _F) = 100 [F/P - 0.25] x W/30 = (%) Unlimited area applicable under conditions of Section 507. Maximum Building Area=total number of stories in the building x D (maximum 3 stories) (506.2).		HER STORY	AREA FR	ONTAGE AREA PER STORY OR
Use most restrictive 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 _F) = 100 [F/P - 0.25] x W/30 = (%) Unlimited area applicable under conditions of Section 507. Maximum Building Area=total number of stories in the building x D (maximum 3 stories) (506.2).	1 A			
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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] x W/30 = (%) Unlimited area applicable under conditions of Section 507. Maximum Building Area=total number of stories in the building x D (maximum 3 stories) (506.2).	a. Perimeter which from	nts a public way or open sp		width = (F)
d. W = Minimum width of public way = (W) e. Percent of frontage increase (l_f) = 100 [F/P - 0.25] x W/30 = (%) Unlimited area applicable under conditions of Section 507. Maximum Building Area=total number of stories in the building x D (maximum 3 stories) (506.2).	b. Total Building Perim	eter = (P)		
Unlimited area applicable under conditions of Section 507. Maximum Building Area=total number of stories in the building x D (maximum 3 stories) (506.2).		of public way =		
Maximum Building Area=total number of stories in the building x D (maximum 3 stories) (506.2).				//
	e. Percent of frontage i	increase (I_f) = 100 [F/P - 0.1]	25] x W/30 = (%	6)
Frontage increase is based on the unsprinklered area value in Table 506.2.	e. Percent of frontage i Unlimited area applica Maximum Building Are The maximum area of air traffic control towers	ble under conditions of Secatorial number of stories in open parking garages muss must comply with Table 4	ction 507. n the building x D (maximum st comply with Table 406.5.4. 112.3.1.	3 stories) (506.2).

		ALL	OWABLE HEI	GHT			DESIG				XISTING UN	IITS BY EAS	RAL DESIGNATION	
			ALLOWABLE	SHOWN:ON:PL	¥NS RI	CODE		Importa	ance Factor	s:	Snow ($(I_w) = 1.0$ $(I_s) = 1.0$		
uilding Height in Feet (Table 50	4.3)		Feet5B	Feet 5B	Table							(I _E)1.0	-	
uilding Height in Stories (Table	,		Stories 2	Stories 1	Table			Live Lo	ads:		Roof Mezzanin	30 	_ psf _ psf	
rovide code reference if the "Shown on Pla	ns" quantity is	not based	on Table 504.3 or 504.4.								Floor	125	_psf	
								Ground	Snow Load	d:	15 ps	sf		
								Wind L	oad:		sic Wind Spe		mph (AS	CE-7-16)
	FIDE	DD∩T	ECTION REQU	HDEMENITO							posure Categ		BY EAST CO	AST MODILI
e Safety Plan Sheet #, if Provide		3-2		DIKEWIENTS			SEISMI	C DESI	GN CATE		/			AST MODUL
	FIRE	· RA	Ting			***		the follow	ving Seismi	c Desi	gn Parameter	s:		
BUILDING ELEMENT	SEPAPATION	REO'D		DETAIL# DESIGN# AND FOR SUFET# RATED	RATED	FOR		Occupa	ancy Catego al Response	ory (Ta				
tructural Frame,	(FEET)		REDUCTION	SHEET# ASSEMBLY	PENETRATION	ETNIOC			assfiication	(ASCE	7)	A DB	_ ^{%g} s	1 <u> E </u>
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russes earing Walls		-						Basic s	tructural sys		Nall ∫ [Dual w/s	Special Momer	nt Frame
Exterior		N/A							☐ Bu ☐ Mo		Frame [Dual w/l	ntermediate R	
North East	- N	0						Analysi	ואו נ∟ s Procedure				Pendulum nt Lateral Ford	e 🔲 [
West		0									, Components	the state of the s		□No
South Interior		0					LATER	AL DES	IGN CONT	ROL:	∏ Fart	hquake	Wind	
onbearing Walls and					J			EARING	CAPACIT	TIES:		•		
artitions Exterior Walls								Field Te	est (provide	сору	of test report)	222	psf	
North East		0	0								acity city			
West		0	0					2000 Sept. Sep						
South (Trent Road) nterior Walls and Partitions		0	0								۸,00			LINUTO
oor Construction											ACCI	SECTION	OWELLING ON 1107)	UNITS
ncluding supporting beams and joists									ACCESSIB	IF /	ACCESSIBLE	TYPE - A	TYPE - A	TYPE - I
oor Ceiling Assembly							TOTAL	UNITS	UNITS REQUIRE		UNITS PROVIDED	UNITS REQUIRED	UNITS	UNITS
olumns Supporting Floors									TLQUITL		TROVIDED	NEGOINEL	FROVIDEL	REQUIRE
ncluding supporting beams		0	0				N/	/A	2 2					
nd joists oof Ceiling Assembly							Section Section Control of the		N. CORDER MODERN PROPERTY.			y and have an other boards beginn		
lumns Supporting Roof						8 2					A	CCESSIB (SECTIO	LE PARKIN	G
aft Enclosures - Exit aft Enclosures - Other	N/A N/A	0	0						TOTA	#:OF	PARKING SP.		# OF ACCES	BUE SPACE
rridor Separation	N/A							TOR						VANSE
cupancy/Fire Barrier Separation rty/Fire Wall Separation	2 HR N/A		UL U-334 F	LOOR TO BOTTOM	OF ROOF DECI			RKING REA	REQU	JIRED	PROV	IDED RI	EGULAR WITH ACCESS AISLE	132" ACCES
noke Barrier Separation	N/A													AISLE
noke Partition nant/Dwelling Unit/	N/A	0 1										SEE \$17	E PLAN	BY OTH
eeping Unit Separation	N/A						TOTAL							
cidental Use Separation dicate section number permitting	N/A reduction									XXIII III III III III III III III III I	PLUMBIN	IG FIXTU	RE REQUIR	EMENTS
			eropensens man i man							******		(TABLE 29	902.1)	
							USE				OSETS LE UNISEX	JRINALS MA	LAVATORIE LE FEMALE	SHOUNISEX
PERO	CENTAG	E OF \	WALL OPENING	G CALCULATION	S		SPACE	EXISTIN	IG 2	3	1	2	2 3	1
FIRE SEPARATION DISTANCE	DEGREE	OF OPE		OWABLE AREA	ACTUAL SHOW	ON PLANS		NEW REQUIRI	ED 2	3	1	2	2 3	
(feet) FROM PROPERTY LINES		BLE 705.	714	(%)	(%)			T L Q O II (I		J		2	2 3	
> 50'	l	JP/NS		UNLIMITED	< 5%						9	SPECIAL A	APPROVALS	S
							Special a	pproval:	(Local Juris	diction	n, Department	of Insurance	e, OSC, DPI, D	HHS, ICC, et
	N. St. on Physics and Physics	No arte Marie												
	LIFE SAI	FETY	SYSTEM REC	UIREMENTS					TOTAL COLOR STORY SHEET STORY					
Emergency Lighting:	X	Yes	☐ No				ENEDON	/ DEOU	IREMENTS	· ·		ENER	GY SUMMA	\RY
Exit Signs:	X	Yes	☐ No								ed minimum ar	nd anv specia	al attribute requ	ired to meet t
Fire Alarm: Smoke Detection Sys	tems:		No	al	_		provided. I	Each Des	signer shall	furnish	the required p	portions of th	e project inform	nation for the
Panic Hardware:	X		□ No □		_		metnoa, si design.	tate the a	ınnuai enerç	gy cost	for the standa	ard reference	design versus	the annual en
			£				Existing E	Building	Envelope	compl	ies with Cod	e: 🗌 (If ch	ecked, the re	mainder of t
		· 图1000 (1) (1)				Access to the season.				•	de or Statuto			
									 one:				EXISTING	MODU/
	LIFE S	AFETY	PLAN REQU	IREMENTS										
Life Safety Plan Sheet #			B-2						Compliance de:		ance VID	rescriptive		
☐ Fire and/or smoke rai									90.1: P			rescriptive		
Assumed and real pro				i i							ecify source)			
Exterior wall opening areOccupancy Use for each					,				152		ive method on	ly)		
X Occupancy Use for each	ı area as it r	elates to	occupant load calc	uiation (Table 1004.1.2	<u>(</u>)		F	Roof/Ceili	ng Assembl	y (eac	h assembly)			

X Occupant loads for each area

☐ Dead end lengths (1020.4)

X Exit access travel distances (1017)

X Clear exit widths for each exit door

X Actual occupant load for each exit door

purposes of occupancy separation

Location of doors equipped with hold-open devices

☐ Location of emergency escape windows (1030)

☐ The square footage of each fire area (202)

☐ Common path of travel distances [Tables 1006.2.1 & 1006.3.2(1)]

Location of doors with electromagnetic egress locks (1010.1.9.9)

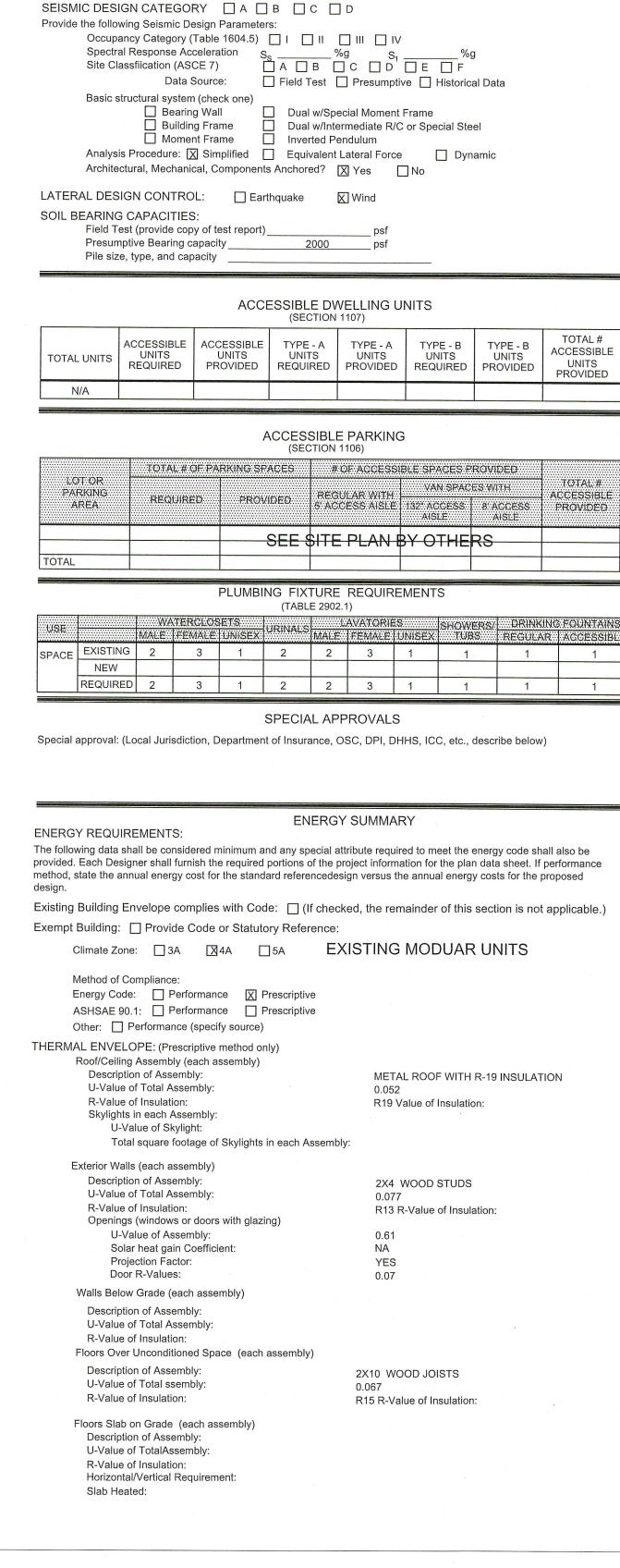
Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)

A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for

Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)

☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)

Note any code exception or table notes that may have been utilized regarding the items above.



*** NOTE: EXISTING UNITS BY EAST COAST MODULAR***

