SPECIAL APPROVALS

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

0.35 + <u>0.45</u> + = <u>0.8</u> ≤ 1.00

	PERCENTAGE OF WAL	L OPENING CALCUL	ATIONS	
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)	ENERGY SUMMARY ENERGY REQUIREMENTS:
30' + (N,W,E)	(TABLE 705.8) UNPROTECTED	UNLIMITED	()	The following data shall be considered minimum and any special attribute required to
10' (S)	PROTECTED	UNLIMITED	N/A	meet the 2018 North Carolina State Building Code: Energy Conservation 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 versus
	LIFE SAFETY SYSTEM	DECHIDEMENTS		the annual energy cost for the proposed design. Existing building envelope complies with code: No Yes (The remainder of this section is not applicable)
Emergency Lighting:	☐ No ⊠ Yes	REQUIREMEN 13		Exempt Building: No Yes (Provide code or statutory reference):
Exit Signs: Fire Alarm:	No ⊠ YesNo □ Yes			Climate Zone: 3A 34A 5A
Smoke Detection Systems: Carbon Monoxide Detection:	☐ No ☐ Yes ☐ Partia	al		Method of Compliance: Energy Code ☐ Performance ☐ Prescriptive
Carbon Monoxido Botoción.				ASHRAE 90.1 Performance Prescriptive (If "Other" specify source here)
	LIFE SAFETY PLAN REC			THERMAL ENVELOPE (Prescriptive method only)
Life Safety Plan Sheet #:				Roof/ceiling Assembly (each assembly)
Assumed and real proper	ty line locations (if not on t		(70F 0)	Description of assembly: Standing Seam Metal Roof U-Value of total assembly:
 ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8) ☐ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2) 				R-Value of insulation: R-24 Skylights in each assembly:
✓ Occupant loads for each a✓ Exit access travel distance				U-Value of skylight: total square footage of skylights in each assembl <u>y:</u>
☐ Common path of travel dis☐ Dead end lengths (1020.4	•	& 1006.3.2(1))		Exterior Walls (each assembly)
☐ Clear exit widths for each	exit door	vit door can accommod	late based on egress width (1005.3	Description of assembly: Steel Studs, Girts
 ☐ Actual occupant load for each exit door ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for 				R-Value of insulation: R-11 Openings (windows or doors with glazing)
purposes of occupancy separation Location of doors with panic hardware (1010.1.10)				U-Value of assembly: Solar heat gain coefficient:
Location of doors with par	,	amount of delay (1010	0.1.9.7)	projection factor: Door R-Values:
Location of doors with eleLocation of doors equippe		(1010.1.9.9)		Walls below grade (each assembly)
Location of emergency esThe square footage of each	. , ,			Description of assembly: U-Value of total assembly:
☐ The square footage of each	ch smoke compartment for	• •	• • •	R-Value of insulation:
☐ Note any code exceptions	or table notes that may ha	ave been uillized regal	uling the items above	Floors over unconditioned space (each assembly) Description of assembly:
				U-Value of total assembly: R-Value of insulation:
				Floors slab on grade
	2018 APPEN	DIX B		Description of assembly: Slab on grade U-Value of total assembly:
BUILDING CODE SI	JMMARY FOR AL	L COMMERCIA	L PROJECTS	R-Value of insulation: R-15 for 24" Horizontal/vertical requirement:
(PROVIDE	MECHANICAL DI ON THE MECHANICAL S		LE)	slab heated:
	MECHANICAL SUM	MMARY		
MECHANICAL SYSTEMS, SER	VICE SYSTEMS AND EQ	UIPMENT		
Thermal Zone winter dry bulb:	47 F			
summer dry bull				
Interior design condition winter dry bulb:				2018 APPENDIX B
summer dry bull relative humidity	b: <u>54 F</u>			BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS STRUCTURAL DESIGN
Building heating load:				(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE) DESIGN LOADS:
Building cooling load:				Importance Factors: Snow (IS)1.00
Mechanical Spacing Co	onditioning System			Seismic (IE) 1.00
Unitary description o	f unit:			Live Loads: Roof <u>20</u> psf Mezzanine psf
heating effici cooling efficie	ency:			Floor 100 psf (MAIN FLOOR)
size category Boiler		<u>,3 AND 2 TON MINI-S</u>	<u>PLIT UNIT</u>	Ground Snow Load: 10 psf
Chiller	y. If oversized, state reaso			Wind Load: Ultimate Wind Speed120 mph (ASCE-7) Exposure CategoryC
Size categor	y. If oversized, state reaso	n.:		
List equipment emcler	olog:			SEISMIC DESIGN CATEGORY: A B M C D
	icies:			SEISMIC DESIGN CATEGORY: A B C D Provide the following Seismic Design Parameters: Pick Category (Table 1604 5) Pick Category (Table 1604 5)
	ncies:			Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
	icies: 2018 APPEN	IDIX B		Provide the following Seismic Design Parameters: Risk Category (Table 1604.5) ☐ I ☐ III ☐ IV
BUILDING CODE S	2018 APPEN UMMARY FOR AL	L COMMERCIA	AL PROJECTS	Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
	2018 APPEN	L COMMERCIA Esign		Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
	2018 APPEN UMMARY FOR AL ELECTRICAL DE	L COMMERCIA ESIGN HEETS IF APPLICAB		Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
(PROVIDE	2018 APPEN UMMARY FOR AL ELECTRICAL DE ON THE ELECTRICAL SUM ELECTRICAL SUM	L COMMERCIA ESIGN HEETS IF APPLICAB MMARY	LE)	Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
(PROVIDE	2018 APPEN UMMARY FOR AL ELECTRICAL DE ON THE ELECTRICAL SUM ELECTRICAL SUM	L COMMERCIA ESIGN HEETS IF APPLICAB MMARY formance Prescr	LE) iptive	Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
(PROVIDE	2018 APPEN UMMARY FOR AL ELECTRICAL DE ON THE ELECTRICAL SUM ELECTRICAL SUM QUIPMENT E: Energy Code Per ASHRAE 90.1 Per	L COMMERCIA ESIGN HEETS IF APPLICAB MMARY formance Prescr formance Prescr	LE) iptive	Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
(PROVIDE ELECTRICAL SYSTEM AND E Method of Compliance	2018 APPEN UMMARY FOR AL ELECTRICAL DE ON THE ELECTRICAL SUM QUIPMENT E: Energy Code Per ASHRAE 90.1 Per fixture type) red in fixture:	L COMMERCIA ESIGN HEETS IF APPLICAB MMARY formance Prescr formance Prescr ONE 4,3 AND 2	iptive iptive TON MINI-SPLIT UNIT	Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
(PROVIDE ELECTRICAL SYSTEM AND E Method of Compliance Lighting schedule (each lamp type requinumber of lamp total wattage per	2018 APPEN UMMARY FOR AL ELECTRICAL DE ON THE ELECTRICAL SUM QUIPMENT e: Energy Code Per ASHRAE 90.1 Per fixture type) red in fixture: s in fixture:	IL COMMERCIA ESIGN HEETS IF APPLICAB MMARY formance Prescr formance Prescr ONE 4,3 AND 2 STRIP LED LIGH SINGLE LAMP I 40 W PER FIXT	iptive iptive TON MINI-SPLIT UNIT HT N ONE FIXTURE	Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
(PROVIDE ELECTRICAL SYSTEM AND E Method of Compliance Lighting schedule (each lamp type requinumber of lamp total wattage per total interior war (whole building)	2018 APPEN UMMARY FOR AL ELECTRICAL DE ON THE ELECTRICAL SUM QUIPMENT E: Energy Code Per ASHRAE 90.1 Per fixture type) red in fixture: s in fixture: er fixture: ttage specified vs. allowed or space by space)	IL COMMERCIA ESIGN HEETS IF APPLICAB IMARY formance Prescr formance Prescr ONE 4,3 AND 2 STRIP LED LIGH SINGLE LAMP I 40 W PER FIXT 2780W SPECIF (BUILDING ARE	iptive iptive TON MINI-SPLIT UNIT HT N ONE FIXTURE URE URE IED VS 3175W ALLOWED	Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)
(PROVIDE ELECTRICAL SYSTEM AND E Method of Compliance Lighting schedule (each lamp type requinumber of lamp total wattage per total interior war (whole building)	2018 APPEN UMMARY FOR AL ELECTRICAL DE ON THE ELECTRICAL SUM QUIPMENT E: Energy Code Per ASHRAE 90.1 Per fixture type) red in fixture: s in fixture: er fixture: ttage specified vs. allowed or space by space) attage specified vs. allowed	IL COMMERCIA ESIGN HEETS IF APPLICAB IMARY formance Prescr formance Prescr ONE 4,3 AND 2 STRIP LED LIGH SINGLE LAMP I 40 W PER FIXT 2780W SPECIF (BUILDING ARE	iptive iptive TON MINI-SPLIT UNIT HT N ONE FIXTURE URE URE IED VS 3175W ALLOWED	Provide the following Seismic Design Parameters: Risk Category (Table 1604.5)

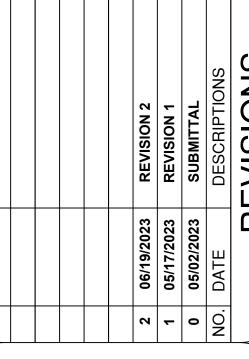
C406.2 More Efficient HVAC Equipment Performance

C406.7 Reduced Energy Use in Service Water Heating

C406.3 Reduced Lighting Power Density

C406.6 Dedicated Outdoor Air System

C406.4 Enhanced Digital Lighting Controls C406.5 On-Site Renewable Energy



SITE ADDRESS: 9 Highway 87 S. Cameron North Carolina 28326



PPENDIX

EEE EQUAGEN
ENGINEERING & INSPECTIONS
FIRM LIC. # 1869
INBURGH SOUTH DRIVE, SU

103

DRAWN BY: BR
CHECKED BY: RO
DATE: 06/09/2023
SCALE: AS SHOWN

7

22-4006