TOTAL BODY THERAPY & WELLNESS **260 PINE STATE STREET** LILLINGTON, NORTH CAROLINA

PREPARED FOR

TOTAL BODY THERAPY & WELLNESS 2 THE SQUARE at LILLINGTON LILLINGTON, NC Ph. (910) 893-2850

BUILDING PLAN

FOR

ENGINEER

C. GREGORY BAGLEY 805 COKESBURY ROAD FUQUAY VARINA, NC 27526 PHONE: (919) 609-300

SHEET INDEX

COVER CODE BOUNDARY MAP FLOOR PLAN ELEVATIONS FOUNDATION PLAN PLUMBING PLAN MECHANICAL PLAN ELECTRICAL PLAN







	JILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES) (Reproduce the following date on the building plane sheet 1 or 2)			
	(EXCEL F Advo the following date on the building plane short 1 or 2)	FIRE PROTECTION REQUIREMENTS BUILDING ELEMENT FIRE RATING DETAIL # DESIGN # SHEET # FOR SHEET #	ACCESSIBLE DWELLING UNITS (SECTION 1107)	2018 APPENDIX B
	(Reproduce the following data on the building plans sheet 1 of 2)	SEPARATION DISTANCE REQ'D (W/ DISTANCE PROVIDED (W/ DISTANCE AND SHEET FOR SHEET RATED RATED FOR RATED FOR RATED	TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE A TYPE B TOTAL UNITS UNITS UNITS UNITS UNITS UNITS UNITS ACCESSIBLE UNITS	BUILDING CODE SUMMARY FOR ALL COMMERCIAL PRO
	of Project - SAPA MORPISON	(FEET) REDUCTION ASSEMBLY JOINTS Structural Frame, instructural structural frame, instructural structural str	REQUIRED PROVIDED REQUIRED PROVIDED REQUIRED PROVIDED PROVIDED 1 <t< td=""><td>(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE) DESIGN LOADS:</td></t<>	(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE) DESIGN LOADS:
	30 PINE STATE STREET Zip Code	trusses		Importance Factors: Snow (IS) Select one .87
<form></form>	Orized Agent: <u>GREG BACLET</u> Prione # (<u>919</u>)609 -0300 E-MIAII <u>GDB.GREG@GMAIL.COM</u> Select one sara morrison	Exterior Instrumentation Instr	ACCESSIBLE PARKING (SECTION 1106)	Seismic (IE) <u>Select on</u> e .8
	ement Jurisdictio <u>n: Select</u> one	East	LOT OR PARKING TOTAL # OF PARKING SPACES # OF ACCESSIBLE SPACES PROVIDED TOTAL #	Mezzanine psf
<form></form>		West Image: Constraint of the second secon	AREA REQUIRED PROVIDED REGULAR WITH VAN SPACES WITH ACCESSIBLE 5' ACCESS AISLE 132" ACCESS 8' ACCESS PROVIDED	Ground Snow Load: 15 psf
<form></form>	FIRM NAME LICENSE # TELEPHONE # E-MAIL	Nonbearing Walls and	Able Able 16 18 2	Wind Load: Ultimate Wind Speed 110 mph (ASCE-7)
<form></form>	C. Gregory Bagley, Engineer Greg Bagley 12276 (919)-609-0300 GDB.GREG@GMAIL.COM C. Gregory Bagley, Engineer Greg Bagley 12276 (919)-609-0300 GDB.GREG@GMAIL.COM	Partitions Exterior walls	TOTAL 16 18 2	Exposure Category <u>Select one</u> C
<form></form>	C. Gregory Bagley, Engineer Greg Bagley 12276 (919-609-0300 GDB.GREG@GMAIL.COM	North East		SEISMIC DESIGN CATEGORY: Select one
<form></form>	C. Gregory Bagley, Engineer Greg Bagley 12276 (919-)609-0300 GDE.GREG@GMAIL.COM pipe ()	West South	PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)	Provide the following Seismic Design Parameters: A Risk Category (Table 1604.5) Select one
<form></form>	>5' High ()	Interior walls and partitions Image: Construction Floor Construction Image: Construction	USE WATERCLOSETS URINALS LAVATORIES SHOWERS DRINKING FOUNTAINS	Spectral Response Acceleration SS <u>2.7</u> %g S1 <u>3.7</u> %g
<form></form>	nclude firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)	Including supporting beams and joists	MALE FEMALE UNISEX MALE FEMALE UNISEX / TUBS REGULAR ACCESSIBLE SPACE EXIST'G	Site Classification (ASCE 7) <u>Select one</u> E Data Source: <u>Select one</u> PRESUMPTIVE
<form></form>		Floor Ceiling Assembly Columns Supporting Floors	NEW 1 1 1 REQ'D	Analysis Procedure: <u>Select one</u> SUIDING FRAME Analysis Procedure: <u>Select one</u> SIMPLIFIED
	NG BUILDING CODE: <u>Select on</u> e <u>Select on</u> e TED: (date) CURRENT OCCUPANCY(S) (Ch. 3): <u>VACANT</u>	Roof Construction, including supporting beams and ioists		Architectural, Mechanical, Components anchored / Select one
<form></form>	D: (date) PROPOSED OCCUPANCY(S) (Ch. 3):	Roof Ceiling Assembly	SPECIAL APPROVALS	SOIL BEARING CAPACITIES
<form></form>	(Table 1604.5): Current: <u>Select on</u> e Proposed: <u>Select on</u> e	Shaft Enclosures - Exit	Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)	Sole black of a construction of the size type and conscitute o
	NG DATA /pe: <u>Select on</u> e ^{II B}			
<form></form>	ct one NONE	Occupancy/Fire Barrier Separation		
<form></form>	strict: <u>Select one No</u> Flood Hazard Area: <u>Select one No</u>	Smoke Barrier Separation Smoke Partition		
<form></form>		Tenant/Dwelling Unit/ Sleeping Unit Separation		
<form></form>	Gross Building Area Table EXISTING (SQ FT) NEW (SQ FT) SUB-TOTAL	Incidental Use Separation		
<form></form>				
<form></form>	0003			
<form></form>				
<form></form>	ALLOWABLE AREA	PERCENTAGE OF WALL OPENING CALCULATIONS	ENERGY SUMMARY ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the energy code shall	2018 APPENDIX B
<form></form>	cupancy Classification(s): <u>Select one Select one Select one Select one Select one Select one A-2</u> Occupancy Classification(s):	FIRE SEPARATION DISTANCE DEGREE OF OPENINGS ALLOWABLE AREA ACTUAL SHOWN ON PLANS (FEET) FROM PROPERTY LINES PROTECTION (%) (%)	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	BUILDING CODE SUMMARY FOR ALL COMMERCIA MECHANICAL DESIGN
<form></form>	es (Table 509):	20' UP, S 70% 70%	proposed design.	(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABL
<form> Market Construction</form>	sions: (Chapter 5 – List Code Sections):		Exempt Building: Select one Provide code or statutory reference:	
			Climate Zone: 4	Thermal Zone
	able Area of Occupancy A + Actual Area of Occupancy B able Area of Occupancy A Allowable Area of Occupancy B	LIFE SAFETY SYSTEM REQUIREMENTS	Method of Compliance: Select one	winter dry bulb: <u>20</u>
	+ + ≤ 1.00	Emergency Lighting: <u>Select one</u> No	(If "Other" specify source here) PERSCRIPTIVE	Interior design conditions
<form> The second of the sec</form>	ESCRIPTION AND (A) (B) (C) (D)	Fire Alarm: Select one No Smoke Detection Systems: Select one VS	Rest/aciling Accomply (acch accomply)	winter dry bulb: <u>20</u>
Implementation Imple	STORY (ACTUAL) AREA INCREASE1,5 STORY OR UNLIMITED2,3	Carbon Monoxide Detection: <u>Select on</u> e No	Description of assembly: <u>METAL ROOFING</u>	relative humidity:
A contrast to S due to case to the second to solution of the second to case to the second to the se	BUSINESS 1000 21,000 N/A 21,000		U-Value of total assembly:	Building heating load: <u>42050</u>
a list equip of the state is		Life Safety Plan Sheet #:	U-Value of skylight:	Building cooling load: <u>51.325</u>
<pre>did up Persone (************************************</pre>	ea increases from Section 506.3 are computed thus:	Fire and/or smoke rated wall locations (Chapter 7)	Exterior Walls (each assembly)	Mechanical Spacing Conditioning System Unitary
wint with of public yay = _ w _ (N) (M) of product yay = _ W _ (N) (M) of product yay = _ W	er which fronts a public way or open space having 20 feet minimum width = $N/4$ (F)	 Assumed and real property line locations (if not on the site plan) Exterior wall opening area with respect to distance to assumed property lines (705.8) 	Description of assembly: METAL SIDING	description of unit: <u>(2) SPLIT</u> SYSTEMS heating efficiency: <u>14 SEERS</u>
Set a depict and environ condition of Section 507. If this depice is a dual condition 107. If this depice is a dual condition 107. If this depice is a dual condition 107. If this depice is a du	er which fronts a public way or open space having 20 feet minimum width = <u>N/A</u> (F) uilding Perimeter = <u>N/A</u> (P) /P) = <u>N/A</u> (F/P)	I Uccupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2) I Occupant loads for each area	R-Value of insulation: <u>R-15</u> Openings (windows or doors with glazing)	cooling efficiency: <u>42</u> size category of unit: <u>58000</u>
In original of open parking garages music comply with Table 406.5.4. Bead and length 400 count load regarable sead to the document load regarable based on egress widh (1000.5) In original of a starbul count load regarable sead to the document load regarable based on egress widh (1000.5) In original of a starbul count load regarable sead to the document load regarable based on egress widh (1000.5) In original of a starbul count load regarable sead to the document load regarable based on egress widh (1000.5) In original of a starbul count load regarable sead to the document load regarable based on egress widh (1000.5) In original of a starbul count load regarable sead to regress widh (1000.5) In original of a starbul count document load regarable sead to regress widh (1000.5) In original of a starbul count document load regarable sead to regress widh (1000.5) In original of a starbul count document load regarable sead to regress widh (1000.5) In original of a starbul count document load regarable sead to regress widh (1000.5) In original of a starbul count document load regarable sead to regress widh (1000.5) In original of a starbul count document load regarable sead to regress based on regress widh (1000.5) In original of a starbul count document load regarable sead to regress based on regress based on regress based on regress widh (1000.5) In original of a starbul count document load regarable sead to regress based on regress widh (1000.5) In original of a starbul count regress based on regress based and	er which fronts a public way or open space having 20 feet minimum width = N/A (F) ilding Perimeter = N/A (P) (P) = N/A (F/P) imum width of public way = N/A (W) of frontage increase If = 100[F/P - 0.25] x W/30 = N/A (%)		U Noluci of accombing	Boiler Size category. If oversized, state reason.:
ALCWARLE HEIGHT ALCWARLE TRUE Mathematication <	er which fronts a public way or open space having 20 feet minimum width = N/A (F) illding Perimeter = N/A (P) /P) = N/A (F/P) imum width of public way = N/A (W) of frontage increase If = 100[F/P - 0.25] x W/30 = N/A (%) a applicable under conditions of Section 507. illding Area = total number of stories in the building x D (maximum 3 stories) (506.2).	 Exit access travel distances (1017) Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) 	Solar heat gain coefficient	
ALLOWAGLE HIGHT Image: Construction of the second s	ter which fronts a public way or open space having 20 feet minimum width = $_N/A_$ (F) uilding Perimeter = $_N/A_$ (P) F/P = $_N/A_$ (F/P) nimum width of public way = $_N/A_$ (W) t of frontage increase If = 100[F/P - 0.25] x W/30 = $_N/A_$ (%) ea applicable under conditions of Section 507. uilding Area = total number of stories in the building x D (maximum 3 stories) (506.2). Im area of open parking garages must comply with Table 406.5.4. crease is based on the unsprinklered area value in Table 506.2.	 Exit access travel distances (1017) Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) Dead end lengths (1020.4) Clear exit widths for each exit door 	Solar heat gain coefficient: projection factor: Door R-Values:	Chiller Size category. If oversized, state reason.: <u>N/A</u>
Location In feet (Table 504.3) 1 1in feet (Table 504.3) 3 1 1in fore (Table 504.4) 3 1 1in fore (Table 504.4) 1in f	ter which fronts a public way or open space having 20 feet minimum width = $_N/A$ (F) uilding Perimeter = $_N/A$ (P) $7P$ = $_N/A$ (F/P) nimum width of public way = $_N/A$ (W) t of frontage increase If = 100[F/P - 0.25] x W/30 = $_N/A$ (%) ea applicable under conditions of Section 507. uilding Area = total number of stories in the building x D (maximum 3 stories) (506.2). Imarea of open parking garages must comply with Table 406.5.4. crease is based on the unsprinklered area value in Table 506.2.	 Control and the cash area Exit access travel distances (1017) Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) Dead end lengths (1020.4) Clear exit widths for each exit door Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) Actual occupant load for each exit door 	Solar heat gain coefficient:	Chiller Size category. If oversized, state reason.: <u>N/A</u> List equipment efficiencies: <u>44 %</u>
tin Stories (Table 504.4)3 3 reference (the "Shown on Plas" quatity is no based on Table 504.3 or 504.4. In beight of open parking garages must comply with Table 405.5.4. Floors our unconditioned space (each assembly: Location of doors with in delextomage to cleas, in the attrout of class, attract, a	ter which fronts a public way or open space having 20 feet minimum width = $\underline{N/A}$ (F) uilding Perimeter = $\underline{N/A}$ (P) $\frac{1}{P} = \underline{N/A}$ (F/P) nimum width of public way = $\underline{N/A}$ (W) t of frontage increase If = 100[F/P - 0.25] x W/30 = $\underline{N/A}$ (%) rea applicable under conditions of Section 507. uilding Area = total number of stories in the building x D (maximum 3 stories) (506.2). Im area of open parking garages must comply with Table 406.5.4. crease is based on the unsprinklered area value in Table 506.2. ALLOWABLE HEIGHT	 Common path of travel distances (1017) Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) Dead end lengths (1020.4) Clear exit widths for each exit door Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) Actual occupant load for each exit door A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purpose of occupancy separation 	Walls below grade (each assembly)	Chiller Size category. If oversized, state reason.: <u>N/A</u> List equipment efficiencies: <u>44 %</u>
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Image: A constraint of a sequence of each fire area (202) Image: A constraint of a sequence of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of a sequence of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of a sequence of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of a sequence of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of a sequence of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of a sequence of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of a sequence of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of a sequence of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of a sequence of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of each smoke compartment for Occupancy Classification I-2 (407.5) Image: A constraint of each smoke compartment for Occupancy Classification I-2 (407.5)	ter which fronts a public way or open space having 20 feet minimum width = N/A (F) uilding Perimeter = $_N/A$ (P) f/P) = $_N/A$ (F/P) nimum width of public way = $_{N/A}$ (W) t of frontage increase If = 100[F/P - 0.25] x W/30 = $_{N/A}$ (%) ea applicable under conditions of Section 507. uilding Area = total number of stories in the building x D (maximum 3 stories) (506.2). uilding Area = total number of stories in the building x D (maximum 3 stories) (506.2). uir area of open parking garages must comply with Table 406.5.4. crease is based on the unsprinklered area value in Table 506.2. ALLOWABLE HEIGHT t in Feet (Table 504.3) 2 60 12 t in Stories (Table 504.4) 3 3 1 reference if the "Shown on Plane" guarding is each burk burk to Table 504.2.	 Control of control c	Walls below grade (each assembly) 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: Description of assembly:	Chiller Size category. If oversized, state reason.: <u>N/A</u> List equipment efficiencies: <u>44 %</u>
Image: Note any code exceptions or table notes that may have been utilized regarding the items above Description of assembly: R-4_S FFR SCION 502.2 TABLES 1.2.3 U-Value of total assembly: R-4_S FFR SCION 502.2 TABLES 1.2.3 Image: Note and Policies Image: Note any code exceptions or table notes that may have been utilized regarding the items above Image: Note and Policies Image: Note and Policies	there which fronts a public way or open space having 20 feet minimum width = N/A (F) uilding Perimeter = N/A (P) F/P) = N/A (F/P) nimum width of public way = $_{N/A}$ (W) it of frontage increase If = 100[F/P - 0.25] x W/30 = $_{_N/A}$ (%) rea applicable under conditions of Section 507. uilding Area = total number of stories in the building x D (maximum 3 stories) (506.2). uilding Area = total number of stories in the building x D (maximum 3 stories) (506.2). um area of open parking garages must comply with Table 406.5.4. crease is based on the unsprinklered area value in Table 506.2. ALLOWABLE HEIGHT <u>ALLOWABLE SHOWN ON PLANS</u> <u>CODE REFERENCE 1</u> nt in Feet (Table 504.3) 2 60 12 nt in Stories (Table 504.4) 3 3 1 reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. um height of air traffic control towers must comply with Table 412.3.1. um height of open parking garages must comply with Table 406 5.4	 Control of the control of the control	Walls below grade (each assembly) Door R-Values: Door R-Values: U-Value of total assembly: U-Value of total assembly: R-Value of insulation: Floors over unconditioned space (each assembly) Description of assembly: U-Value of insulation: R-Value of insulation: R-Value of insulation: Description of assembly: U-Value of insulation: R-Value of insulation:	Chiller Size category. If oversized, state reason.: <u>N/A</u> List equipment efficiencies: <u>44 %</u>
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2018 NC Administrative Code and Policies	eter which fronts a public way or open space having 20 feet minimum width = N/A (F) Building Perimeter = N/A (P) (F/P) = N/A (F/P) finimum width of public way = $_{_N/A}$ (W) nt of frontage increase If = 100[F/P - 0.25] x W/30 = N/A (%) area applicable under conditions of Section 507. Building Area = total number of stories in the building x D (maximum 3 stories) (506.2). hum area of open parking garages must comply with Table 406.5.4. hcrease is based on the unsprinklered area value in Table 506.2. ALLOWABLE HEIGHT <u>ALLOWABLE HEIGHT</u> <u>ALLOWABLE SHOWN ON PLANS</u> <u>CODE REFERENCE 1</u> (ht in Feet (Table 504.3) 2 60 12 (pht in Stories (Table 504.4) 3 3 1 e reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. hum height of air traffic control towers must comply with Table 412.3.1. hum height of open parking garages must comply with Table 406.5.4.	 Coordination of the end of the end	Solar heat gain coefficient:	Chiller Size category. If oversized, state reason.: <u>N/A</u> List equipment efficiencies: <u>44 %</u>
2018 NC Administrative Code and Policies	eter which fronts a public way or open space having 20 feet minimum width = $\underline{N/A}$ (F) Building Perimeter = $\underline{N/A}$ (P) (F/P) = $\underline{N/A}$ (F/P) inimum width of public way = $\underline{N/A}$ (W) nt of frontage increase If = 100[F/P - 0.25] x W/30 = $\underline{N/A}$ (%) area applicable under conditions of Section 507. Building Area = total number of stories in the building x D (maximum 3 stories) (506.2). hum area of open parking garages must comply with Table 406.5.4. hcrease is based on the unsprinklered area value in Table 506.2. ALLOWABLE HEIGHT <u>ALLOWABLE HEIGHT</u> <u>ALLOWABLE SHOWN ON PLANS CODE REFERENCE 1</u> ght in Feet (Table 504.3) 2 60 12 ght in Stories (Table 504.4) 3 3 1 e reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. hum height of air traffic control towers must comply with Table 412.3.1. hum height of open parking garages must comply with Table 406.5.4.	 Exit access travel distances (1017) Exit access travel distances (1017) Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1)) Dead end lengths (1020.4) Clear exit widths for each exit door Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) Actual occupant load for each exit door A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation Location of doors with panic hardware (1010.1.10) Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) Location of doors with electromagnetic egress locks (1010.1.9.9) Location of doors equipped with hold-open devices Location of emergency escape windows (1030) The square footage of each fire area (202) 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 	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 insulation: Floors over unconditioned space (each assembly) Description of assembly: U-Value of total assembly: U-Value of insulation: R-Value of insulation: R-Value of insulation: Pioors slab on grade Description of assembly: U-Value of total assembly: 25 R-Value of insulation: R-4 Horizontal/vertical requirement: Slab heated'	Chiller Size category. If oversized, state reason.: <u>N/A</u> List equipment efficiencies: <u>44 %</u>
2018 NC Administrative Code and Policies	eter which fronts a public way or open space having 20 feet minimum width = $\underline{N/A}$ (F) Building Perimeter = $\underline{N/A}$ (P) (F/P) (F/P) (Inimum width of public way = $\underline{N/A}$ (W) nt of frontage increase If = 100[F/P - 0.25] x W/30 = $\underline{N/A}$ (%) area applicable under conditions of Section 507. Building Area = total number of stories in the building x D (maximum 3 stories) (506.2). num area of open parking garages must comply with Table 406.5.4. hcrease is based on the unsprinklered area value in Table 506.2. ALLOWABLE HEIGHT <u>ALLOWABLE NEIGHT</u> <u>ALLOWABLE SHOWN ON PLANS</u> <u>CODE REFERENCE 1</u> ght in Feet (Table 504.3) 2 60 12 ght in Stories (Table 504.4) 3 3 1 e reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. hum height of air traffic control towers must comply with Table 412.3.1. hum height of open parking garages must comply with Table 406.5.4.	 Section for the first of the first	Solar heat gain coefficient:	Chiller Size category. If oversized, state reason.: <u>N/A</u> List equipment efficiencies: <u>44 %</u>
2018 NC Administrative Code and Policies	<pre>heter which fronts a public way or open space having 20 feet minimum width =N/A (F) Building Perimeter =N/A (P) (F/P) =N/A (F/P) winimum width of public way =N/A (W) ent of frontage increase if = 100[F/P - 0.25] x W/30 =N/A (%) area applicable under conditions of Section 507. Building Area = total number of stories in the building x D (maximum 3 stories) (506.2). num area of open parking garages must comply with Table 406.5.4. increase is based on the unsprinklered area value in Table 506.2.</pre> KLLOWABLE HEIGHT ALLOWABLE SHOWN ON PLANS CODE REFERENCE 1 ght in Feet (Table 504.3) 2 60 12 ght in Stories (Table 504.4) 3 3 1 le reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4. num height of air traffic control towers must comply with Table 412.3.1. num height of open parking garages must comply with Table 406.5.4.	 Secure the state of th	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: Wills below grade (each assembly) Description of assembly: U-Value of total assembly: R-Value of insulation: Description of assembly: U-Value of total assembly: U-Value of total assembly: U-Value of insulation: R-Value of insulation: Description of assembly: U-Value of total assembly: R-Value of insulation: R-Value of insulation: R-Value of insulation: Description of assembly: 25 R-Value of insulation: R- 4 Horizontal/vertical requirement: slab heated:	Chiller Size category. If oversized, state reason.: <u>N/A</u> List equipment efficiencies: <u>44 %</u>





LOCATION	TYPE	AREA	OCCUPANCY
EMPLOYEE	BUSINESS	4000 SQ FT	10
INDOOR SEATING AREA	BUSINESS	300 SQ FT	12
STORAGE (EMPLOYEE)	BUSINESS	140 SQ FT	2
		TOTAL	24

TYPE
LEVER
LOCK
LOCK

LOCATION	KEYED/Y/N	RH/LH	DESCRIPTION	SIZE
INTERIOR	3 Y/12 N	3/12	SOLID CORE HMF	36"
INTERIOR BATH	3 Y/12 N		SOLID CORE HMF	36"
EXTERIOR	2 Y		STORE FRNT	72"





TYPE	AREA	OCCUPANCY	OCCL
BUSINESS	4000 SQ FT	100 SQ FT pp	
BUSINESS	1800 SQ FT	100 SQ FT pp	
BUSINESS	140 SQ FT	100 SQ FT pp	
	TYPE BUSINESS BUSINESS BUSINESS	TYPEAREABUSINESS4000 SQ FTBUSINESS1800 SQ FTBUSINESS140 SQ FT	TYPEAREAOCCUPANCYBUSINESS4000 SQ FT100 SQ FT ppBUSINESS1800 SQ FT100 SQ FT ppBUSINESS140 SQ FT100 SQ FT pp

TOTAL





1/4" = 1'-0"













PLUMBING 1/8" = 1'-0"

PLUMBING NOTES

1. ALL VENTS SHALL BE 3" IN SIZE. 2. BACKFLOW PREVENTER SHALL BE LOCATED IN UTILITY ROOM NEXT TO HOT WATER HEATERS. 3. AIRFLOW CHAMBERS ARE NOT REQUIRED.

> 4"VTR LAV ∣_{wc} ∐ ~ 3" WASH LAV WC LAV LAV SEWER RISER DETAIL





—100**'**—

MECHANICAL 1/8" = 1'-0"

TYPE LOCATION LED GYM LED OFFICE

HVAC

METHOD OF COMPLIANCE THERMAL ZONE EXTERIOR DESIGN CONDITIONS winter dry bulb summer dry bulb INTERIOR DESIGN CONDITIONS winter dry bulb summer dry bulb relative humidity BUILDING HEATING LOAD BUILDING COOLING LOAD Unitary description of unit heating efficiency cooling efficiency 50 CLIENTS





MECHANICAL SCHEDULE

MP A	ND AIR HANDL	_ER	
TON	MODEL NO	МСА	МОСР
-10	25HBRxxxxxxxx	27.6	40 AMPS
) KW	FC4DNFxxxxx	57.5	60 AMPS

LIGHTING SCHEDULE

MANUF	MODEL NO	QUANTITY
LITHONIA	LE 2174X	10
LITHONIA	DLE 135X	1/150 SQ FT

THERE SHALL BE NO HAZARDOUS MATERIAL PER NEC 500 STORED, USED ,HANDLED OR MFG. IN THIS FACILITY.

OCCUPANCY SENSORS AT ALL LOCATIONS RECEPTACLES SHOWN ON PLAN ABOVE.

ELECTRICAL

ELECTRICAL 1/8" = 1'-0"

400 AMP M.L.O. PANEL / 120/208V 30 MOUNTED ON WALL

LIGHTING SCHEDULE Drawn/Design By: MODEL NO QUANTITY TYPF LOCATION MANUF LE 2174X LED GYM LITHONIA 10 REVISIONS OFFICE DLE 135X LED LITHONIA 1/150 SQ F Date: Remarks 2020 NORTH CAROLINA STATE ELECTRICAL CODE 2020 NORTH CAROLINA STATE ELECTRICAL CODE 10.6 APPLICATION OF CODE TO EXISTING BUILDINGS For requirements of existing structures, refer to the North Carolina Administrative Code and Policies AMENDMENT 110.26(E)(2) 10.7 SERVICE UTILITIES (2) Outdoor. Outdoor installations shall comply with 110.26(E)(2)(a) through (c). 10.7.1 Connection of Service Utilities - No person shall make connections from a utility, source of energy, fuel (a) Installation Requirements. Outdoor electrical equipment shall be the following: or power to any building or system which is regulated by the technical codes until approved by the Inspection Installed in identified enclosures Department and a Certificate of Compliance is issued (General Statute 143-143.2) Protected from accidental contact by unauthorized personnel or by vehicular traffic 10.7.2 Authority to disconnect Service Utilities - The Inspection Department shall have the authority to require Protected from accidental spillage or leakage from piping systems disconnecting a utility service to the building, structure or system regulated by the technical codes, in case of emergency or where necessary to eliminate an imminent hazard to life or property. The Inspection Departmen (b) Work Space. The working clearance space shall include the zone described in 110.26(A). No shall have the authority to disconnect a utility service when a building has been occupied prior to Certificate of architectural appurtenance or other equipment shall be located in this zone. ational <u>8, </u>2021, to Compliance or entry into the building for purposes of making inspections cannot be readily granted. The Exception: Structural overhands or roof extensions shall be permitted in this zone. Inspection Department shall notify the serving utility, and whenever possible the owner or occupant of the (c) Deleted. building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner or occupant shall be notified in writing within eight (8) working hours (General Exception: Structural overhangs or roof extensions shall be permitted in this zone. Statutes 143-143.2, 153A-365, 153A-366, 160A-425 and 160A-426). 10.8 TEMPORARY POWER AMENDMENT 210.8 10.8.1 Scope. The provisions of this section apply to the utilization of portions of the wiring system within a building to facilitate construction 210.8 Ground-Fault Circuit-Interrupter Protection for Personnel, Ground-fault circuit-interrupte 10.8.2 Provisions for Temporary Power. The Code enforcement official shall give permission and issue a permit (30) 680.21(D to energize the electrical service when the provisions of 10.8 and the following requirements have been met: protection for personnel shall be provided as required in 210.8(A) through (F). The ground-fault circuit) The service wiring and equipment, including the meter socket enclosure, shall be installed, the service wiring (<u>31</u>) <u>695.2</u> (<u>32</u>) <u>695.3</u> interrupter shall be installed in a readily accessible location. terminated, and the service equipment covers installed. \odot 2) The portions of the electrical system that are to be energized shall be complete and physically protected. Informational Note No. 1: See 215.9 for ground-fault circuit-interrupter protection for personnel on feeders 3) The grounding electrode system shall be complete. \sim 4) The grounding and the grounded conductors shall be terminated in the service equipment. Informational Note No. 2: See 422.5(A) for GFCI requirements for appliances. ſ 5) At least one receptacle outlet with ground fault circuit interrupter protection for personnel shall be installed with the circuit wiring terminated. Informational Note No. 3: See 555.9 for GFCI requirements for boat hoists. σ \sim 6) The applicable requirements of the North Carolina Electrical Code apply. \bigcirc <u>,</u> 0 0 10.8.3 Uses Prohibited. In no case shall any portion of the permanent wiring be energized until the portions have \Box Informational Note No. 4: Additional GFCI requirements for specific circuits and equipment are contained in been inspected and approved by an electrical Code Enforcement Official. Failure to comply with this section may Chapters 4, 5, and 6. . 0 . 0 result in disconnection of power or revocation of permit. 10.8.4 Application for Temporary Power. Application for temporary power shall be made by and in the name of 5. 6. 6. 7. 6. 7. 6. 7. 6. 7. 6. 7. 6. 7. For the purposes of this section, when determining the distance from receptacles the distance shall be the applicant. The application shall explicitly state the portions of the energized electrical system, mechanical measured as the shortest path the supply cord of an appliance connected to the receptacle would follow system, or plumbing system for which application is made, its intended use and duration. without piercing a floor, wall, ceiling, or fixed barrier, or the shortest path without passing through a ∑ Z Z € 10.8.5 Security and Notification. The applicant shall maintain the energized electrical system or that portion of window, door or doorway, excluding cabinet doors. the building containing the energized electrical system in a secured and locked manner or under constan supervision to exclude unauthorized personnel. The applicant shall alert personnel working in the vicinity of the $\tilde{\Omega} \sim$ energized electrical system to its presence. AMENDMENT 210.8(A) σίσωω 10.9 REQUIREMENTS OF OTHER STATE AGENCIES, OCCUPATIONAL LICENSING BOARDS, OR ry Bullesbull arine (arine 919)(5 (A) Dwelling Units. All 125-volt through 250-volt receptacles installed in the locations specified in The North Carolina State Building Codes do not include all additional requirements for buildings and structures 210.8(A)(1) through (A)(11) and supplied by single-phase branch circuits rated 150 volts or less to that may be imposed by other State agencies, occupational licensing boards, and commissions. It shall be the ground shall have ground-fault circuit-interrupter protection for personnel. esponsibility of a permit holder, design professional, contractor, or occupational license holder to determine 19) (9, <0 19) whether any additional requirements exist. Exception: A 250-volt receptacle installed specifically for supplying a clothes dryer, range, oven, counter-mounted cooking unit, or similar household cooking appliance fastened in place shall not be 10.10 INSPECTIONS OF CABLE TIES FOR SECURING AND SUPPORTING OF WIRING METHODS. Col Col e: required to have ground-fault circuit-interrupter protection. တ The electrical inspector shall not require evidence that cable ties are listed and identified where used fo securement and support of wiring methods allowed in Chapter 3 of this code. Nothing in this section prohibits an •• ~ electrical inspector from requiring evidence that cable ties are listed for use in a plenum where applicable G \supset \cup ν μ Έ Χ $O \rightarrow - O$ 2020 NORTH CAROLINA STATE ELECTRICAL CODE 2020 NORTH CAROLINA STATE ELECTRICAL CODE $\bigcirc \bigcirc \sqcup \bigcirc \sqcup$ AMENDMENT 210.52(C)(2) AMENDMENT 210.8(F) (2) Island and Peninsular Countertops and Work Surfaces. Receptacle outlets shall be (F) Outdoor Outlets. Deleted installed in accordance with 210.52(C)(2)(a), 210.52(C)(2)(b), 210.52(C)(2)(c), and 210.52(C)(2)(d). AMENDMENT 210.12(D) (a) Island Countertop Spaces. At least one receptacle shall be installed at each island countertop space with a long dimension of 600 mm (24 in.) or greater and a short (D) Branch Circuit Extensions or Modifications — Dwelling Units, Dormitory Units, and Guest dimension of 300 mm (12 in.) or greater Rooms and Guest Suites. Where branch circuit wiring for any of the areas specified in 210.12(A), (b) Peninsular Countertop Spaces. At least one receptacle outlet shall be installed at each (B), or (C) is modified, replaced, or extended, the branch circuit shall be protected by one of the peninsular countertop long dimension space with a long dimension of 600 mm (24 in.) following: or greater and a short dimension of 300 mm (12 in.) or greater. A peninsular countertop shall be measured from the connecting perpendicular wall. At least one receptacle (1) By any of the means described in 210.12(A)(1) through (A)(6) (2) A listed outlet branch-circuit-type AFCI located at the first receptacle outlet of the existing branch outlet shall be located within 600 mm (2 ft) of the outer end of the peninsular countertop. (c) Required and Additional Receptacles. Receptacle outlets required by 210.52(C)(2) Exception: AFCI protection shall not be required where the extension of the existing branch circuit shall be in accordance with 210.52(C)(3). Additional receptacle outlets shall be conductors is not more than 15.24 m (50 ft) and does not include any additional outlets or devices, permitted to be located outside the provisions of 210.52(C)(3), other than splicing devices. This measurement shall not include the conductors inside an enclosure, (d) Separate Spaces. Countertop spaces separated by range-tops, refrigerators, or sinks cabinet, or junction box. shall be considered as separate countertop spaces in applying the requirements of 210.52(C)(2). If a range, counter-mounted cooking unit, or sink is installed in an island or peninsular countertop and the depth of the countertop behind the range, counter-AMENDMENT 210.52(B)(2) mounted cooking unit, or sink is less than 300 mm (12 in.), the range, counter-mounted cooking unit, or sink shall be considered to divide the countertop space into two (2) No Other Outlets. The two or more small-appliance branch circuits specified in 210.52(B)(1) shall 4 separate countertop spaces. Each separate countertop space shall comply with the have no other outlets. applicable requirements in 210.52(C). RIC Exception No. 1: A receptacle installed solely for the electrical supply to and support of an electric clock in any of the rooms specified in 210.52(B)(1). AMENDMENT 230.67 Exception No. 2: Receptacles installed to provide power for supplemental equipment and lighting on gas-fired ranges, ovens, or counter mounted cooking units. 230.67 Surge Protection () Exception No. 3: Receptacles installed inside a dwelling and within 1.8 m (6 ft) of any kitchen sink Deleted. measured by the shortest path the cord of an appliance connected to the receptacle would follow without piercing a floor, wall, ceiling, or fixed barrier. 2020 NORTH CAROLINA STATE ELECTRICAL CODE AMENDMENT 230.71(B) 2020 NORTH CAROLINA STATE ELECTRICAL CODE (B) Two to Six Service Disconnecting Means. Two to six service disconnects shall be permitted for each service by 230.2 or for each set of service-entrance conductors permitted AMENDMENT 250.50 by 230.40, Exception No. 1, 3, 4, or 5. The two to six service disconnecting means shall be ШÚ permitted to consist of a combination of any of the following: 250.50 Grounding Electrode System. All grounding electrodes as described in 250.52(A)(1) through Ζ (A)(7) that are available at each building or structure served shall be bonded together to form the WELL TON, grounding electrode system. Where none of these grounding electrodes exist, one or more of the (1) Separate enclosures with a main service disconnecting means in each enclosure grounding electrodes specified in 250.52(A)(4) through (A)(8) shall be installed and used. (2) Panelboards with a main service disconnecting means in each panelboard enclosure (3) Switchboard(s) where there is only one service disconnect in each separate vertical Exception: Concrete-encased electrodes of existing buildings or structures shall not be required to be section where there are barriers separating each vertical section part of the grounding electrode system where the steel reinforcing bars or rods are not accessible for (4) Service disconnects in switchgear or metering centers where each disconnect is located () use without disturbing the concrete. in a separate compartment Y & LINC (5) Panelboards for temporary electrical service installations (saw service pole) at a S construction site provided all the following: AMENDMENT 250.53(A)(2) a. ungrounded circuits do not exceed 150 volts to ground b. the summation of the ratings of the overcurrent devices that serve together as (2) Supplemental Electrode Required. A single rod, pipe, or plate electrode shall be supplemented by n additional electrode of a type specified in 250.52(A)(2) through (A)(8). The supplemental electrode the disconnecting means does not exceed 100 amperes 1 shall be permitted to be bonded to one of the following: c. the number of circuit breaker handles, identified handle ties, or combination (1) Rod, pipe, or plate electrode thereof that operate as the service disconnecting means does not exceed six U (2) Grounding electrode conductor operations of the hand ΗË (3) Grounded service-entrance conductor Z (4) Nonflexible grounded service raceway (5) Any grounded service enclosure AMENDMENT 230.85 УШ 230.85 Emergency Disconnects. For one- and two-family dwelling units, all service conductors shall Exception No. 1: If a single rod, pipe, or plate grounding electrode has a resistance to earth of 25 ohms DR terminate in disconnecting means having a short-circuit current rating equal to or greater than the available fault current, installed in a readily accessible outdoor location. If more than one disconnect is or less, the supplemental electrode shall not be required 0 S B provided, they shall be grouped. Each disconnect shall be one of the following: Exception No. 2: The supplemental ground electrode shall not be required at temporary electrical service installation (saw service pole) at a construction site provided all ungrounded circuits do not (1) Service disconnects marked as follows: Ш exceed 150 volts to ground, and the rating of the single disconnecting means or the summation of the EMERGENCY DISCONNEC SERIVCE DISCONNECT PN ratings of multiple overcurrent devices that serve together as the disconnecting means, does not exceed 100 amperes (2) Meter disconnects installed per 230.82(3) and marked as follows: EMERGENCY DISCONNECT \mathbf{O}

ELECTRICAL DETAILS AND NOTES FOR HEALTHCARE FACILITY Scope and Exceptions to Applicability of Technical Codes, refer to the North Carolina Administrative Code and The purpose of the code is to provide minimum standards, provisions and requirements of safe and stable design, (2) Garages, and also accessory buildings that have a floor located at or below grade level not

2020 NORTH CAROLINA STATE ELECTRICAL CODE This is a recreated compact version of the 2020 State Electrical Code Amendment Package. The official version is located in the archives of the Building Code Council agendas. Report errors to the State Electrical Division of the North Carolina Department of Insurance, Office of State Fire Marshal. JDS 6/11/2021

Article 10 - ADMINISTRATIVE SECTION

10.1 TITLE		
These Administrative Regulation	s along with the requirements include	ed in the 2020 Edition of the Nat
Electrical Code (NFPA-70 - 2020) as adopted by the North Carolina B	uilding Code Council on June 8
be effective October 1, 2021, with	n the following amendments:	
(1) 110.26(E)(2)	(12) 230.67	(23) 334.15(C)
<u>(2)</u> <u>210.8</u>	(<u>13)</u> 230.71(B)	(24) 406.4(D)(4)
(3) <u>210.8(A)</u>	<u>(14)</u> 230.85	<u>(25)</u> 4 <u>10.2</u>
(4) 210.8(A)(2)	(15) 250.50	(26) 410.16(C)
(5) 210.8(A)(3)	(16) 250.53(A)(2)	<u>(27) 555.10(3)</u>
(6) 210.8(A)(5)	(17) 250.140	(28) 555.35(A)(3)
(7) 210.8(B)(4)	(18) 250.142(B)	(29) 680.4 (20) 680.21(D)

(19) 300.3(B)

<u>(21) 300.9</u>

(20) Table 300.5

(11) 210.52(C)(2) (22) <u>320.23(A)</u> shall be known as the North Carolina Electrical Code, and may be cited as such or as the State Electrical Code; and will be referred to herein as "the code" or "this code".

10.2 SCOPE Article 80 Administration and Enforcement of the code is hereby not adopted and does not apply for this code. For

Policies. 10.3 PURPOSE

(8) 210.8(F)

(9) 210.12(D)

(10) 210.52(B)(2)

methods of construction and uses of materials in buildings or structures hereafter erected, constructed, enlarged, altered, repaired, moved, converted to other uses of demolished and to regulate the electrical systems, equipment, maintenance, use and occupancy of all buildings or structures. All regulations contained in this code have a reasonable and substantial connection with the public health, safety, morals, or general welfare, and their provisions shall be construed liberally to those ends.

10.4 ADMINISTRATION For administrative regulations pertaining to inspection (rough-ins and finals), permits and Certificates of Electrical Compliance, see local ordinances and the North Carolina Administrative Code and Policies. When the provisions of other codes are determined to be contrary to the requirements of this code, this code shall prevail.

10.5 DEFINITION Unless the context indicates otherwise, whenever the word "building" is used in this chapter, it shall be deemed to include the word "structure" and all installations such as plumbing systems, heating s electrical systems, elevators and other installations which are parts of, or permanently affixed to, the building or

2020 NORTH CAROLINA STATE ELECTRICAL CODE

AMENDMENT 210.8(A)(2)

intended as habitable rooms and limited to storage areas, work areas, and areas of similar use Exception to (2): Single or duplex receptacles that are located more than 2.44 m (8 ft) above the floor and specifically for connection to permanently installed cord-and-plug garage door openers. A duplex receptacle shall only be permitted under this exception where two cord-and-plug garage door openers utilize both contact devices of the duplex receptacle.

AMENDMENT 210.8(A)(3)

(3) Outdoors Exception No. 1 to (3): Receptacles that are not readily accessible and are supplied by a branch circuit dedicated to electric snow-melting, deicing, or pipeline and vessel heating equipment shall be permitted

to be installed in accordance with 426.28 or 427.22, as applicable. Exception No. 2 to (3): A single outlet receptacle supplied by a dedicated branch circuit which is located and identified for specific use by a sewage lift pump.

AMENDMENT 210.8(A)(5)

(5) Unfinished portions or areas of the basement not intended as habitable rooms Exception to (5): A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection

Informational Note: See 760.41(B) and 760.121(B) for power supply requirements for fire alarm systems. Receptacles installed under the exception to 210.8(A)(5) shall not be considered as meeting the requirements of 210.52(G).

AMENDMENT 210.8(B)(4)

(4) Outdoors

Exception No. 1 to (3) and (4); Receptacles that are not readily accessible and are supplied by a branch circuit dedicated to electric snow-melting, deicing, or pipeline and vessel heating equipment shall be permitted to be installed in accordance with 426.28 or 427.22, as applicable.

Exception No. 2 to (4): In industrial establishments only, where the conditions of maintenance and supervision ensure that only qualified personnel are involved, an assured equipment grounding conductor program as specified in 590.6(B)(2) shall be permitted for only those receptacle outlets used to supply equipment that would create a greater hazard if power is interrupted or having a design that is not compatible with GFCI protection.

Exception No. 3 to (4): A single outlet receptacle supplied by a dedicated branch circuit which is located and identified for specific use by a sewage lift pump.

- METER DISCONNECT.
- NOT SERVICE EQUIPMENT (3) Other listed disconnect switches or circuit breakers on the supply side of each service disconnect that are suitable for use as service equipment and marked as follows:
- EMERGENCY DISCONNECT NOT SERVICE EQUIPMENT

Markings shall comply with 110.21(B). <u>Transfer switches and panelboards, including meter-panel</u> combination enclosures, that include a main breaker or other listed means to disconnect all service conductors shall be considered emergency disconnects and shall comply with subsection (1) of this

section when installed as a service disconnect.

Sheet Number

ELECTRICAL DETAILS AND NOTES FOR HEALTHCARE FACILITY

2020 NORTH CAROLINA STATE ELECTRICAL CODE

AMENDMENT 250.140

250.140 Frames of Ranges and Clothes Dryers. Frames of electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and outlet or junction boxes that are part of the circuit for these appliances shall be connected to the equipment grounding conductor in the manner specified by 250.134 or 250.138.

Exception No. 1: For existing branch-circuit installations only where an equipment grounding conductor is not present in the outlet or junction box, the frames of electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and outlet or junction boxes that are part of the circuit for these appliances shall be permitted to be connected to the grounded circuit conductor if all the following conditions are met.

(1) The supply circuit is 120/240-volt, single-phase, 3-wire; or 208Y/120-volt derived from a 3phase, 4-wire, wye-connected system (2) The grounded conductor is not smaller than 10 AWG copper or 8 AWG aluminum.

- (3) Any of the following:
- a. The grounded conductor is insulated; b. The grounded conductor is uninsulated and part or a Type SE service-entrance cable
- and the branch circuit originates at the service; c. The grounded conductor is uninsulated and part of a cable assembly and all current-
- carrying conductors are protected by a ground fault circuit interrupter at the <u>origination of the branch circuit; o</u>r d. A new 3-wire cable assembly not smaller than the existing conductors shall be permitted to be extended from the service to an enclosure where the existing
- conductors shall be spliced together and provisions are made so that the grounded conductors are insulated by tape, heat-shrink or other approved means inside the enclosure.

(4) Grounding contacts of receptacles furnished as part of the equipment are bonded to the equipment.

Exception No. 2: For existing branch-circuit installations only where an equipment grounding conductor is not present in the outlet or junction box, an equipment grounding conductor sized in accordance with 250.122 shall be permitted to be run separately from the circuit conductors.

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AMENDMENT 300.9

300.9 Raceways in Wet Locations Abovegrade. Where raceways are installed in wet locations abovegrade, the interior of these raceways shall be considered to be a wet location. Insulated conductors and cables installed in raceways in wet locations above grade shall comply with 310.10(C).

Exception: The interior of these raceways shall not be considered a wet location if: (1) The section of raceway routed in a wet location above grade does not exceed 1.8 m (6 ft) in

- (2) Any fittings or conduit bodies are watertight and listed for use in wet locations; and
- (3) <u>All termination points of the raceway are only open in any of the following:</u> a. A dry location;
- b. Equipment suitable for outdoor use; or c. Equipment listed for use in a wet location.

AMENDMENT 320.23(A)

320.23 In Accessible Attics. Type AC cables in accessible attics or roof spaces shall be installed as specified in 320.23(A) and (B).

(A) Cables Run Across the Top of Floor Joists. The cable shall be protected by guard strips that are at least as high as the cable where one of the following applies:

- (1) Where this space is accessible by permanent stairs or ladders, protection shall be required in the area directly over a permanent floor not exceeding 2.1 m (7 ft) vertically from the floor, or where run across the top of floor joists.
- (2) Where this space is not accessible by permanent stairs or ladders, protection shall be required within 1.8 m (6 ft) horizontally of the nearest edge of the scuttle hole or attic entrance where run across the top of any flooring, or flooring or ceiling joists. Protection is not required where run across the face of overhead roofing trusts or rafters.

Exception: For the purpose of this section, pull-down type stairs and portable ladders are not to be considered as permanent stairs or ladders.

2020 NORTH CAROLINA STATE ELECTRICAL CODE

AMENDMENT 695.2

695.2 Definitions. The definitions in this section shall only apply within this article.

Fault-Tolerant External Control Circuits. Those control circuits either entering or leaving the fire pump controller enclosure, which if broken, disconnected, or shorted will not prevent the controller from starting the fire pump from all other internal or external means and may cause the controller from starting the fire pump from all other internal or external means and may cause the controller to start the pump under these conditions.

On-Site Power Production Facility. The normal supply electric power for the site that is expected to be constantly producing powe

On-Site Standby Generator. A facility producing electric power on site as the alternate supply of electric power. It differs from an on-site power production facility in that it is not constantly producing power.

- Reliable Source of Power. A source of power that possesses all of the following characteristics: (1) The electric utility supplying the power has not conducted any intentional shutdowns longer
- than 10 continuous hours in the year prior to the plan submittal and is verified in writing by that electric utility. (2) The source of power is not supplied by overhead conductors within 60 feet of the building(s)
- equipped with fire pump(s). (3) Only the disconnect switches and overcurrent protection devices permitted in Article 695 and
- NFPA 20-2013 section 9.3.2 are installed in the normal source of power to the fire pump controller

AMENDMENT 695.3

695.3 Power Source(s) for Electric Motor-Driven Fire Pumps.

Electric motor-driven fire pumps shall have a reliable source of power.

Informational Note: Deleted

Notice: This Amendment only removes the Informational Note in the NEC; subsections (A) through (I) to section 695.3 remain applicable. JDS 6/11/2021

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AMENDMENT 250.142(B)

(B) Load-Side Equipment. Except as permitted in 250.30(A)(1), 250.32(B)(1), Exception No.1, and Part X of Article 250, a grounded circuit conductor shall not be connected to non-current-carrying metal parts of equipment on the load side of the service disconnecting means or on the load side of a separately derived system disconnecting means or the overcurrent devices for a separately derived system not having a main disconnecting means.

clothes dryers under the conditions permitted for existing installations by 250.140 shall be permitted to be connected to the grounded circuit conductor.

on the load side of the service disconnect if all of the following conditions apply: (1) Ground-fault protection of equipment is not installed. (2) All meter enclosures are located immediately adjacent to the service disconnecting means. (3) The size of the grounded circuit conductor is not smaller than the size specified in Table 250.122 for equipment grounding conductors.

Exception No. 3: Electrode-type boilers operating at over 1000 volts shall be grounded as required in 490.72(E)(1) and 490.74.

Exception No. 4: It shall be permissible to ground an existing panelboard enclosure by connection to the grounded circuit conductor for a one- and two-family dwelling where all the following conditions apply:

- (1) When relocating or installing an additional main disconnecting means; (2) Enacting 250.142(B) Exception No. 5: (1) redefines the existing service entrance conductors as a feeder in Article 100;
- (3) An equipment grounding conductor in the existing panelboard is not present; (4) Replacement of the existing service entrance conductors requires either the removal of the building finish or deemed impractical by the AHJ.
- (5) All grounding electrode conductors are removed completely from the existing panelboard; and (6) The grounded conductors are insulated by tape, heat-shrink, or other approved means except where covered by the sheathing of a cable assembly or as needed for joints, splices, and termination purposes

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AMENDMENT 334.15(C)

(C) In Unfinished Basements and Crawl Spaces. Where cable is run at angles with joists in unfinished <u>basements</u>, it shall be permissible to secure cables not smaller than two 6 AWG or three 8 AWG conductors directly to the lower edges of the joists. Smaller cables shall be run either through bored holes in joists or on running boards. Nonmetallic-sheathed cable installed on the wall of an unfinished basement shall be permitted to be installed in a listed conduit or tubing or shall be protected in accordance with 300.4. Conduit or tubing shall be provided with a suitable insulating bushing or adapter at the point the cable enters the raceway. The sheath of the nonmetallic-sheathed cable shall extend through the conduit or tubing and into the outlet or device box not less than 6 mm (1/4 in.). The cable shall be secured within 300 mm (12 in.) of the point where the cable enters the conduit or tubing. Metal conduit, tubing, and metal outlet boxes shall be connected to an equipment grounding conductor complying with the provisions of 250.86 and 250.148.

AMENDMENT 406.4(D)(4)

(4) Arc-Fault Circuit-Interrupter Protection. Deleted

AMENDMENT 410.2

410.2 Definition. The definition in this section shall apply only within this article.

Clothes Closet Storage Space. The volume bounded by the sides and back closet walls and planes extending from the closet floor vertically to a height of 1.8 m (6 ft) or to the highest clothes-hanging rod and parallel to the walls at a horizontal distance of 600 mm (24 in.) from the sides and back of the closet walls, respectively, and continuing vertically to the closet ceiling parallel to the walls at a horizontal distance of 300 mm (12 in.) or the width of the shelf, whichever is greater; for a closet that permits access to both sides of a hanging rod, this space includes the volume below the highest rod extending 300 mm (12 in.) on either side of the rod on a plane horizontal to the floor extending the entire length of the rod. See Figure 410.2.

Exception: Where a shelf is not present in the area of wall above the closet's entrance opening or doorway extending from the top of such opening or doorway vertically to the ceiling, including the area of ceiling extending perpendicular from the area of wall directly above the closet's entrance opening or doorway to a horizontal distance of 300 mm (12 in.), shall not be defined as closet storage space. See Figure 410.2 Exception.

Continued on Next Page --->

(2) Grounding and Bonding Conductors. Equipment grounding conductors shall be permitted to be installed outside a raceway or cable assembly where in accordance with the provisions of 250.130(C) for certain existing installations or in accordance with 250.134, Exception No. 2, for dc circuits. Equipment bonding conductors shall be permitted to be installed on the outside of raceways in

(3) Nonferrous Wiring Methods. Conductors in wiring methods with a nonmetallic or other nonmagnetic sheath, where run in different raceways, auxiliary gutters, cable trays, trenches, cables, or cords, shall comply with 300.20(B). Conductors in single-conductor Type MI cable with a nonmagnetic sheath shall comply with the provisions of 332.31. Conductors of single-conductor Type MC cable with a nonmagnetic sheath shall comply with 330.31, 330.116, and 300.20(B).

(4) Column-Width Panelboard Enclosures. Where an auxiliary gutter runs between a column-width panelboard and a pull box, and the pull box includes neutral terminations, the neutral conductors of circuits supplied from the panelboard shall be permitted to originate in the pull box.

existing panelboard in one-and two-family dwellings shall be permitted to be installed separately and outside of the raceway or cable assembly where all the following conditions apply:

Article 100; and

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Figure 410.2 Exception Clothes Closet Storage Space Exception

AMENDMENT 410.16(C)

(C) Location. The minimum clearance between luminaires installed in clothes closets and the nearest point of a clothes closet storage space shall be as follows:

- (1) 300 mm (12 in.) for surface-mounted incandescent or LED luminaires with a completely
- enclosed light source installed on the wall above the door or on the ceiling.
- (2) 150 mm (6 in.) for surface-mounted fluorescent luminaires installed on the wall above the door or on the ceiling. (3) 150 mm (6 in.) for recessed incandescent or LED luminaires with a completely enclosed light
- source installed in the wall or the ceiling.

(4) 150 mm (6 in.) for recessed fluorescent luminaires installed in the wall or the ceiling.

(5) Surface-mounted fluorescent or LED luminaires shall be permitted to be installed within the

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clothes closet storage space where identified for this use. (6) LED luminaires with a completely enclosed light source or fluorescent luminaires shall be permitted to be installed within the area defined in 410.2 Exception.

(1) Paralleled Installations. Conductors shall be permitted to be run in parallel in accordance with the auxiliary gutter, cable tray, trench, cable, or cord shall apply separately to each portion of the paralleled

installation, and the equipment grounding conductors shall comply with 250.122. Connections, taps, or grounded and ungrounded, as applicable. Parallel runs in cable trays shall comply with the provisions of

arranged as isolated phase, neutral, and grounded conductor installations. The raceways shall be installed in close proximity, and the isolated phase, neutral, and grounded conductors shall comply

accordance with 250.102(E).

(5) Existing Dwelling Panelboards. An equipment grounding conductor for the supply feeder of an

(a) When relocating or installing an additional service disconnecting means: (b) Enacting 300.3(B)(5)(a) redefines the existing service entrance conductors as a feeder in

(c) Replacement of the existing service entrance conductors requires the removal of the building finish or deemed impractical by the AHJ.

AMENDMENT 680.4

AMENDMENT 680.21(D)

interrupter protection.

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AMENDMENT Table 300.5 Table 300.5 Minimum Cover Requirements, 0 to 1000 Volts, Nominal, Burial in Millimeters (Inches)

-				. , 64 .		nounou oi	oncuit			
Location of Wiring	Column 1 Direct Burial Cables or Conductors		Column 3 Nonmetallic Bi Raceways Listed for Direct Burial Column 2 Column 1 Rigid Metal Concrete a irect Burial Conduit or Cables or Cables or Conter Approved Metal Conduit Conduit Raceways		Column 2 Rigid Metal Conduit or Intermediate Metal Conduit		Column 4Column 3ResidentialNonmetallicBranch CircuitsRaceways ListedRated 250 Voltsfor Direct Burialor Less withWithoutGFCI ProtectionConcreteand MaximumEncasement orOvercurrentOther ApprovedProtection of 50RacewaysAmperes		Colu Circu Cont Irrigati Land Lighting Not More Volts an with Typ Other Io Cable on	imn 5 irol of ion and iscape Limited to e Than 30 d Installed ie UF or in dentified r Raceway
Method or Circuit	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
All locations not specified below	600	24	150	6	450	18	300	12	150a,b	6a,b
In trench below 5 mm (2 in.) thick concrete or equivalent	450	18	150	6	300	12	150	6	150	6
under a building	u (in race Type MC MI ca identifi direct	u eway or cor Type able ed for burial)	U	U	U	U	u (in race Type MC MI ca identifi direct	u eway or c or Type able ed for burial)	u (in rac Type M0 MI c identif direct	u eway or C or Type able fied for burial)
Under minimum of 102 mm (4 in.) thick concrete exterior slab with no vehicular traffic and the slab extending not less than 152 mm (6 in.) beyond the underground installation	450	18	100	4	100	4	150 (direct 100 (in rac	6 burial) 4 eway)	150 (direct 100 (in rad	6 burial) 4 ceway)
Under streets, highways, roads, alleys, driveways, and parking lots	600	24	600	24	600	24	600	24	600	24
One- and two-family dwelling driveways and outdoor parking areas, and used only for dwelling- related purposes	450 I	18	450	18	450	18	300	12	450	18
In or under airport runways, including adjacent areas where	400	18	450	18	450	18	450	18	450	18

1. Cover is defined as the shortest distance in mm (in.) measured between a point on the top surface of any direct-buried conductor, cable, conduit, or other raceway and the top surface of finished grade, concrete, or similar cover. 2. Raceways approved for burial only where concrete encased shall require concrete envelope not less than 50 mm (2 in.) thick. 3. Lesser depths shall be permitted where cables and conductors rise for terminations or splices or where access is otherwise required 4. Where one of the wiring method types listed in Columns 1 through 3 is used for one of the circuit types in Columns 4 and 5, the shallowest depth of burial shall be permitted.

5. Where solid rock prevents compliance with the cover depths specified in this table, the wiring shall be installed in a metal raceway, or a nonmetallic raceway permitted for direct burial. The raceways shall be covered by a minimum of 50 mm (2 in.) of concrete extending down to rock.

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AMENDMENT 555.10(3)

part of a listed low-voltage lighting system.

(3) The signs shall state "WARNING - POTENTIAL SHOCK HAZARD - ELECTRICAL CURRENTS MAY BE PRESENT IN THE WATER --- NO SWIMMING."

AMENDMENT 555.35(A)(3)

(3) Feeder and Branch Circuit Conductors with GFPE. Feeder and branch-circuit conductors that are installed on docking facilities shall be provided with GFPE set to open at currents not exceeding 100 milliamperes for feeders and 30 milliamperes for branch circuits. Coordination with downstream GFPE shall be permitted at the feeder overcurrent device.

Exception to (3): Transformer secondary conductors of a separately derived system that do not exceed 3 m (10 ft) and are installed in a raceway shall be permitted to be installed without ground-fault . This exception shall also apply to the supply terminals of the equipment supplied by the transformer secondary conductors.

680.4 Inspections After Installation. Deleted.

(D) Existing Pool Pump Motors, Branch-Circuits, and Overcurrent Protection.

(1) Pool Pump Motor Replacement. Where a pool pump motor in 680.21(C) is replaced for maintenance or repair, the replacement pump motor shall be provided with ground-fault circuit-

(2) Existing Pool Pump Motor Branch Circuit and Overcurrent Protection. All branch circuits and overcurrent devices that supply power to a pool pump motor by direct connection or outlet shall comply with the provisions of 680.21(C) when the branch circuits or overcurrent devices are altered, installed, modified, relocated, repaired, or replaced.

IN ALL PATIENT CARE AREAS, EQUIPMENT GROUNDING SHALL COMPLY WITH NEC 517.13 (THIS INCLUDES LIGHTS AND SWITCHES). THE METAL RACEWAY SYSTEM, METALLIC CABLE ARMOR, OR SHEATH ASSEMBLY SHALL ITSELF QUALIFY AS AN EQUIPMENT GROUNDING CONDUCTOR PER NEC 250.118.

TOWN OF LILLINGTON

RE: TOTAL BODY WELLNESS AND THERAPY

Joshua,

Please see the below response to comments for the above-referenced project.

- Occupant load not calculated correctly. Occupant load is corrected.
- Need detail for slab insulation. Slab insulation shown on footers in foundation.
- Plumbing plan shows no high low on riser plan. Riser shows hi-lo on Plumbing Plan.
- No laundry on diagram. Laundry added on all sheets including risers.
- Return air size? Returns (5) are 18"x24" as shown on HVAC Pan.
- Dryer Duct location? Dryer duct shown on HVAC Plan.
- Exhaust Fans? Where do they terminate. Terminations are shown on plans.
- Does not appear system will be balanced with two air returns. The system has 5 Returns which balances.
- Smoke detectors in HVAC? Dryer duct added to HVAC
- No layout for electrical receptacles. Electrical Receptacles shown on Electrical 1 Plan.
- Occupant sensors? Occupancy sensors are installed throughout ad noted on the Electrical 1 Plan.

Please let me know if you have any questions.

Thanks, Greg Bagley Engineer

COMcheck Software Version 4.1.2.2 Envelope Compliance Certificate

Project Information

Energy Code:	
Project Title:	
Location:	
Climate Zone:	
Project Type:	
Vertical Glazing / Wall Area:	

2015 IECC Total Body Wellness And Therapy Fuquay-Varina, North Carolina 4a New Construction 5%

Construction Site: 260 Pine State Street Lillington, NC 27546 Owner/Agent: Sarah Morrison Lillington, NC 27546 919-235-2506 Designer/Contractor: Greg Bagley Greg Bagley, Engineer 32 E Depot Street Angier, NC 27501 919-609-0300 gdb.greg@gmail.com

Additional Efficiency Package(s)

Enhanced Interior Lighting Controls

Building Area Floor Area 1-Office : Nonresidential 2000

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor _(a)
Roof 1: Metal Building, Standing Seam, Single Insulation Layer with Thermal Blocks (d), [Bldg. Use 1 - Office]	6200	38.0	38.0	0.020	0.035
Floor 1: Slab-On-Grade:Unheated, [Bldg. Use 1 - Office] (c)	320			0.730	0.540
WEST					
Exterior Wall 1: Metal Building Wall, Single Layer Mineral Fiber (compressed at girt), [Bldg. Use 1 - Office]	6000	19.0	19.0	0.039	0.052
Window 1: Metal Frame with Thermal Break:Fixed, Perf. Specs.: Product ID Ix452, SHGC 0.40, [Bldg. Use 1 - Office] (b)	280			0.650	0.380

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

(d) Thermal spacer block with minimum R-3.5 must be installed above the purlin/batt, and the roof deck secured to the purlins.

Envelope PASSES: Design 4% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2015 IECC requirements in COM*check* Version 4.1.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Project Title: Total Body Wellness And Therapy Data filename: Untitled.cck

Report date: 03/19/24 Page 1 of 19

ENGINEER_ Name - Title

Signature Baylan 3-19-24 Date

Project Title: Total Body Wellness And Therapy Data filename: Untitled.cck

Report date: 03/19/24 Page 2 of 19

COMcheck Software Version 4.1.2.2 Interior Lighting Compliance Certificate

Project Information

Energy Code:	2015 IECC
Project Title:	Total Body Wellness And Therapy
Project Type:	New Construction

Construction Site: 260 Pine State Street Lillington, NC 27546 Owner/Agent: Sarah Morrison Lillington, NC 27546 919-235-2506 Designer/Contractor: Greg Bagley Greg Bagley, Engineer 32 E Depot Street Angier, NC 27501 919-609-0300 gdb.greg@gmail.com

Additional Efficiency Package(s)

Enhanced Interior Lighting Controls

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft	Allo 2 (D wed Watts (B X C)
1-Healthcare Facility:Exam/Treatment	4000	1.66		6640
	Тс	tal Allowed W	Vatts =	6640
Proposed Interior Lighting Power				
Α	В	С	D	E
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixtures	Fixture Watt.	(C X D)
1-Healthcare Facility:Exam/Treatment				
LED 1: LED Panel 40W:	2	29	40	1160
		Total Propos	sed Watts =	1160

Interior Lighting PASSES: Design 83% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COM*check* Version 4.1.2.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Exq'	NEER	Chan	Dayly	3-19-24
Name - Title		Signature	//	Date
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Project Title: Total Body Wellness And Therapy Data filename: Untitled.cck Report date: 03/19/24 Page 3 of 19

COMcheck Software Version 4.1.2.2 Exterior Lighting Compliance Certificate

Project Information

Energy Code: Project Title: Project Type: Exterior Lighting Zone 2015 IECC Total Body Wellness And Therapy New Construction 3 (Other)

Construction Site: 260 Pine State Street Lillington, NC 27546 Owner/Agent: Sarah Morrison Lillington, NC 27546 919-235-2506 Designer/Contractor: Greg Bagley Greg Bagley, Engineer 32 E Depot Street Angier, NC 27501 919-609-0300 gdb.greg@gmail.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Parking area	3230 ft2	0.1	Yes	323
		Total Tradab	le Watts (a) =	323
		Total All	owed Watts =	323
	Total All	owed Supplemen	tal Watts (b) =	750

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

(b) A supplemental allowance equal to 750 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Parking area (3230 ft2): Tradable Wattage				
LED 1: LED Roadway-Parking Unit 130W:	2	3	130	390
	Total Tradable Proposed V		ed Watts =	390

Exterior Lighting PASSES: Design 64% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COM*check* Version 4.1.2.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

INEEK 3-19-24 Name -2276

Project Title: Total Body Wellness And merapy Data filename: Untitled.cck Report date: 03/19/24 Page 4 of 19

Project Information

Energy Code: Project Title: Location: Climate Zone: Project Type: 2015 IECC Total Body Wellness And Therapy Fuquay-Varina, North Carolina 4a New Construction

Construction Site: 260 Pine State Street Lillington, NC 27546 Owner/Agent: Sarah Morrison Lillington, NC 27546 919-235-2506 Designer/Contractor: Greg Bagley Greg Bagley, Engineer 32 E Depot Street Angier, NC 27501 919-609-0300 gdb.greg@gmail.com

Enhanced Interior Lighting Controls

Additional Efficiency Package(s)

Mechanical Systems List

Quantity System Type & Description

1 HVAC System 1 (Single Zone):

Heating: 1 each - Central Furnace, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Single Package DX Unit, Capacity = 10 kBtu/h, Air-Cooled Condenser, Unknown Economizer Proposed Efficiency = 14.00 SEER, Required Efficiency: 14.00 SEER Fan System: None

1 HVAC System 2 (Single Zone):

Heating: 1 each - Central Furnace, Electric, Capacity = 10 kBtu/h No minimum efficiency requirement applies Fan System: None

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COM*check* Version 4.1.2.2 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

ENGINEER Name-Title	Signature Signature	<u>3 - 19 - 2.4</u> Date
	SCH CARO	
	SEAL 12276	
	CORY BA	

Project Title: Total Body Wellness And Therapy Data filename: Untitled.cck Report date: 03/19/24 Page 5 of 19