- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☐ Existing structures within 30' of the proposed building
- ☒ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)
- ☒ Occupant loads for each area
- ☒ Exit access travel distances (1016)
- ☒ Common path of travel distances (1014.3 & 1028.8)
- ☒ Dead end lengths (1018.4)
- ☒ Clear exit widths for each exit door
- ☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)
- ☒ Actual occupant load for each exit door
- ☒ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- ☒ Location of doors with panic hardware (1008.1.10)
- ☐ Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)
- ☐ Location of doors with electromagnetic egress locks (1008.1.9.8)
- ☐ Location of doors equipped with hold-open devices
- ☐ Location of emergency escape windows (1029)
- ☒ The square footage of each fire area (902)
- ☐ The square footage of each smoke compartment (407.4)
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	
TOTAL						

STRUCTURAL DESIGN EXISTING NO CHANGE

DESIGN LOADS:

Importance Factors: Wind (I_W) _____ Snow (I_S) _____ Seismic (I_E) _____

Live Loads: Roof _____ psf; Mezzanine _____ psf; Floor _____ psf

Ground Snow Load: _____ psf

Wind Load: Basic Wind Speed _____ mph (ASCE-7); Exposure Category _____; Wind Base Shears (for MWFRS) Vx = _____ Vy = _____

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D

Provide the following Seismic Design Parameters:

Occupancy Category (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV

Spectral Response Acceleration S_S 20.7 %g S_1 8 %g

Site Classification (Table 1613.5.2) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F

Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data

Basic structural system (check one)

☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum

Seismic base shear: V_X = _____ V_Y = _____

Analysis Procedure: ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic

Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:

Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

SPECIAL INSPECTIONS REQUIRED: ☐ Yes ☐ No

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATERCLOSETS		URINALS	LAVATORIES		SHOWERS/ TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE		MALE	FEMALE		REGULAR	ACCESSIBLE
SPACE FIRST	EXISTING	11	13	2	11	11		2	2
	NEW								
	REQUIRED	7	9	2	7	7		2	2

SPECIAL APPROVALS

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

_____

_____

_____

2012 NC Administrative Code and Policies

2012 NC Administrative Code and Policies

2012 NC Administrative Code and Policies

ENERGY SUMMARY NO CHANGE TO STRUCTURE

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

Climate Zone: ☐ 3 ☒ 4 ☐ 5

Method of Compliance:

☒ Prescriptive (Energy Code)
☐ Performance (Energy Code)
☐ Prescriptive (ASHRAE 90.1)
☐ Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/ceiling Assembly (each assembly)
Description of assembly: ATTICS AND OTHER
U-Value of total assembly: 0.028
R-Value of insulation: R-38 ATTIC AND OTHER
Skylights in each assembly: N/A
U-Value of skylight: _____
total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
Description of assembly: WOOD FRAMED AND OTHER
U-Value of total assembly: 0.066
R-Value of insulation: R-15 WALLS AND OTHER
Openings (windows or doors with glazing)
U-Value of assembly: <0.6 PER MFR.
Solar heat gain coefficient: > 037 PER MFR.
projection factor: 0.0
Door R-Values: R-6 INSTULATED METAL R-2 TEMPERED GLASS

Walls below grade (each assembly)
Description of assembly: N/A
U-Value of total assembly: _____
R-Value of insulation: _____

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade
Description of assembly: UNHEATED SLAB
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
slab heated: NO

MECHANICAL SUMMARY EXISTING NO CHANGE TO SYSTEMS

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: 17
summer dry bulb: 94

Interior design conditions
winter dry bulb: 70
summer dry bulb: 75
relative humidity: 50

Building heating load: SEE PLANS

Building cooling load: SEE PLANS

Mechanical Spacing Conditioning System
Unitary
description of unit: HEAT PUMP SPLIT SYSTEMS
heating efficiency: SEE PLANS
cooling efficiency: 13.0 SEER
size category of unit: _____
Boiler
Size category. If oversized, state reason.: N/A
Chiller
Size category. If oversized, state reason.: N/A

List equipment efficiencies: _____

ELECTRICAL SUMMARY LIGHTING IS EXISTING

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: ☒ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)
lamp type required in fixture SEE FIXTURE SCHEDULE
number of lamps in fixture SEE FIXTURE SCHEDULE
ballast type used in the fixture SEE FIXTURE SCHEDULE
number of ballasts in fixture SEE FIXTURE SCHEDULE
total wattage per fixture SEE FIXTURE SCHEDULE
total interior wattage specified vs. allowed (whole building or space by space) SEE SCHEDULE ON 'E' SHEETS
total exterior wattage specified vs. allowed SEE SCHEDULE ON 'E' SHEETS

Additional Prescriptive Compliance
☐ 506.2.1 More Efficient Mechanical Equipment
☒ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy Recovery Ventilation Systems
☐ 506.2.4 Higher Efficiency Service Water Heating
☐ 506.2.5 On-Site Supply of Renewable Energy
☐ 506.2.6 Automatic Daylighting Control Systems

DocuSigned by:
[signature]
NORTH CAROLINA PROFESSIONAL SEAL 15845 ENGINEER DAVID MILLER
8/5/2019

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REVISIONS
DATE: | BY: | DESCRIPTION:

PROJECT NO.: 19DDM0716
DATE: 7/17/2019
DRAWN BY: DCW
CHECKED BY: DM

Anderson Creek remodeling
SCHEDULE B REMODELING
RAY ROAD, ANDERSON CREEK NC

SHEET NUMBER
T101
X OF X SHEETS