BUILDING PLANS

OLD NORTH STATE CATERING

KIPLING ROAD

HARNETT COUNTY, NORTH CAROLINA

PREPARED FOR

OLD NORTH STATE CATERING
KIPLING ROAD
FUQUAY VARINA, NC
TELEPHONE 919-622-4792

ENGINEER

GREG BAGLEY
805 COKESBURY ROAD
FUQUAY VARINA, NC
PHONE: (919) 552-1600

SHEET INDEX

NOTE:
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH HARNETT COUNTY NC.

PLANNING DESIGN GREG BAGLEY ENGINEERING MAPPING SURVEYING

Reviewed For Code Compliance By:
Roger Sullivan
Deputy Fire Marshal
04/10/2019 2:44:32 PM

2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: OLD NORTH STATE CATERING
Address: HARNETT COUNTY NC Zip Code 283XX
Proposed Use: C. GREGORY BAGLEY 919-609-0300
Owner/Authorized Agent: GREG BAGLEY Phone # (919) 609 - 0300 E-Mail GDB.GREG@GMAIL.COM
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☐ City ☒ County ☐ State
HARNETT COUNTY NC

LEAD DESIGN PROFESSIONAL: Greg Bagley

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural			( )	( )	
Civil	C. Gregory Bagley, Engineer	Greg Bagley	12276	919-609-0300	GDB.GREG@GMAIL.COM
Electrical	C. Gregory Bagley, Engineer	Greg Bagley	12276	919-609-0300	GDB.GREG@GMAIL.COM
Fire Alarm			( )	( )	
Plumbing	C. Gregory Bagley, Engineer	Greg Bagley	12276	919-609-0300	GDB.GREG@GMAIL.COM
Mechanical	C. Gregory Bagley, Engineer	Greg Bagley	12276	919-609-0300	GDB.GREG@GMAIL.COM
Sprinkler-Standpipe			( )	( )	
Structural	C. Gregory Bagley, Engineer	Greg Bagley	12276	919-609-0300	GDB.GREG@GMAIL.COM
Retaining Walls >5' High			( )	( )	
Other			( )	( )	

2012 EDITION OF NC CODE FOR: ☐ New Construction ☐ Addition ☐ Upfit
EXISTING: ☐ Reconstruction ☐ Alteration ☐ Repair ☒ Renovation
CONSTRUCTED: (date) _____ **ORIGINAL USE(S)** (Ch. 3): BARN
RENOVATED: (date) _____ **CURRENT USE(S)** (Ch. 3): _____
PROPOSED USE(S) (Ch. 3): KITCHEN

BASIC BUILDING DATA
Construction Type: (check all that apply) ☐ I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ☒ V-B
Sprinklers: ☐ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☐ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☐ No ☐ Yes (Primary) **Flood Hazard Area:** ☐ No ☐ Yes
Building Height: (feet) _____
Gross Building Area:

FLOOR	EXISTING (SQ.FT)	NEW (SQ.FT)	SUB-TOTAL
6th Floor			
5th Floor			
4th Floor			
3rd Floor			
2nd Floor			
Mezzanine			
1st Floor	778	778	778
Basement			
TOTAL			778

ALLOWABLE AREA

Occupancy:
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☒
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancies:
Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Incidental Uses (Table 508.2.5):
☐ Furnace room where any piece of equipment is over 400,000 Btu per hour input
☐ Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
☐ Refrigerant machine room
☐ Hydrogen cutoff rooms, not classified as Group H
☐ Incinerator rooms
☐ Paint shops, not classified as Group H, located in occupancies other than Group F
☐ Laboratories and vocational shops, not classified as Group H. located in a Group E or I-2 occupancy
☐ Laundry rooms over 100 square feet
☐ Group I-3 cells equipped with padded surfaces
☐ Group I-2 waste and linen collection rooms
☐ Waste and linen collection rooms over 100 square feet
☐ Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
☐ Rooms containing fire pumps
☐ Group I-2 storage rooms over 100 square feet
☐ Group I-2 commercial kitchens
☐ Group I-2 laundries equal to or less than 100 square feet
☐ Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424 ☐ 425 ☐ 426 ☐ 427
Special Provisions: ☐ 509.2 ☐ 509.3 ☐ 509.4 ☐ 509.5 ☐ 509.6 ☐ 509.7 ☐ 509.8 ☐ 509.9
Mixed Occupancy: ☐ No ☒ Yes Separation: NONE Hr. Exception: 509.2
☐ Incidental Use Separation (508.2.5)
This separation is not exempt as a Non-Separated Use (see exceptions).
☒ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
☐ Separated Use (508.4) - 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.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

_____ + _____ + ... = _____ ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 503[3] AREA	(C) AREA FOR FRONTAGE INCREASE[1]	(D) AREA FOR SPRINKLER INCREASE[2]	(E) ALLOWABLE AREA OR UNLIMITED[3]	(F) MAXIMUM BUILDING AREA[4]
1	KITCHEN	684	23000	17250	0		40250

[1] Frontage area increases from Section 506.2 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 160 (F)
b. Total Building Perimefer = 160 (P)
c. Ratio (F/P) = 1 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase I_f = 100 [F/P - 0.25] x W/30 = .75 (%)
[2] The sprinkler increase per Section 506.3 is as follows:
a. Multi-story building I_s = 200 percent
b. Single story building I_s = 300 percent
[3] Unlimited area applicable under conditions of Section 507.
[4] Maximum Building Area = total number of stories in the building x E (506.4).
[5] The maximum area of open parking garages must comply with Table 406.3.5. The maximum area of air traffic control towers must comply with Table 412.1.2.

ALLOWABLE HEIGHT 8160 / 8160 / 8160

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type V-B		Type V-B	
Building Height in Feet	9'	Feet = H + 20' = 29'		
Building Height in Stories	1	Stories + 1 = 2		

FIRE PROTECTION REQUIREMENTS NR = Not Required

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	10	0		0002	NR		
Bearing Walls		0		0002	NR		
Exterior		0		0002	NR		
North		0		0002	NR		
East		0		0002	NR		
West		0		0002	NR		
South		0		0002	NR		
Interior							
Nonbearing Walls and Partitions		0		0002	NR		
Exterior walls		0		0002	NR		
North		0		0002	NR		
East		0		0002	NR		
West		0		0002	NR		
South		0		0002	NR		
Interior walls and partitions							
Floor Construction Including supporting beams and joists		0		0002	NR		
Roof Construction Including supporting beams and joists		0		0002	NR		
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							
Incidental Use Separation							

* Indicate section number permitting reduction

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☒ No ☐ Yes
Smoke Detection Systems: ☒ No ☐ Yes ☐ Partial _____
Panic Hardware: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: CODE SHEET

☐ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations
☒ 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
0							

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	TOTAL # OF PARKING SPACES PROVIDED	# OF ACCESSIBLE SPACES PROVIDED: REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	TOTAL # ACCESSIBLE PROVIDED
Main Parking	5	5	1		1	1
TOTAL						

STRUCTURAL DESIGN

DESIGN LOADS:

Importance Factors: Wind (I_W) .87; Snow (I_S) .8; Seismic (I_E) 1

Live Loads: Roof 20 psf; Mezzanine _____ psf; Floor 125 psf

Ground Snow Load: 10 psf

Wind Load: Basic Wind Speed 110 mph (ASCE-7); Exposure Category C; Wind Base Shears (for MWFRS) Vx = -8.77 Vy = -7.38

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 2.7 %g S_1 3.7 %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 2000 psf
Pile size, type, and capacity _____

SPECIAL INSPECTIONS REQUIRED: ☐ Yes ☒ No

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATERCLOSETS MALE	WATERCLOSETS FEMALE	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE	EXISTING								
	NEW	1	1	1	1	1		1	1
	REQUIRED	1	1		1	1		1	1

SPECIAL APPROVALS

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

_____
_____
_____

ENERGY SUMMARY

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

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: TRUSS AND SHINGLES
U-Value of total assembly: _____
R-Value of insulation: R-30
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
Description of assembly: CONC SIDING
U-Value of total assembly: N/A
R-Value of insulation: R-15
Openings (windows or doors with glazing)
U-Value of assembly: N/A
Solar heat gain coefficient: _____
projection factor: _____
Door R-Values: N/A

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

Floors over unconditioned space (each assembly)
Description of assembly: CONCRETE 3000 LB
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade
Description of assembly: N/A
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
slab heated: _____

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone
winter dry bulb: 20 F
summer dry bulb: 95 F

Interior design conditions
winter dry bulb: 70 F
summer dry bulb: 74 F
relative humidity: 50%

Building heating load: 32,800

Building cooling load: 34,720

Mechanical Spacing Conditioning System
Unitary
description of unit: SPLIT SYSTEM
heating efficiency: 14 SEER
cooling efficiency: 14 SEER
size category of unit: 36,000
Boiler
Size category. If oversized, state reason.: _____
Chiller
Size category. If dversized, state reason.: _____

List equipment efficiencies: 63%

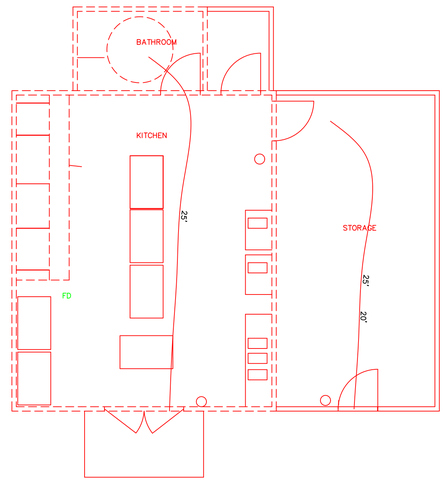
ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

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

Lighting schedule (each fixture type)
T-8 lamp type required in fixture
4 number of lamps in fixture
F96T8 ballast type used in the fixture
1 number of ballasts in fixture
40-60 total wattage per fixture
.48 vs. .40 total interior wattage specified vs. allowed (whole building or space by space)
250 total exterior wattage specified vs. allowed

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



LIFE SAFETY
3/16:1

REVISIONS	BY

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 12276 C. GREGORY BAGLEY 9-4-18

805 COKESBURY ROAD
NORTH CAROLINA, NC 27526
PHONE: (919) 552-1600
FAX: (919) 552-6325

DESIGN PLANNING GREG BAGLEY ENGINEER MAPPING

FLOOR PLAN

Old North State Catering
LOCATED ON KIPLING ROAD
NORTH CAROLINA
HARNETT COUNTY

DATE: 3-28-19
SCALE: 3/16:1
DESIGNED BY: CGB
DRAWN BY:
SHEET: **CD1-OF-1**
CODE

SITE DATA

SITE	OLD NORTH STATE CATERING
PIN NO	0652-29-6544
PROPOSED USE	KITCHEN
ZONING	RESIDENTIAL
PARKING REQUIRED	5 SPACES

BEFORE DIGGING CALL 811
CALL 2 TO THREE DAYS BEFORE DIGGING AND COMPLY WITH INSTRUCTIONS FOR LOCATE REQUESTS DIAL 811 OR 1-800-632-4949

REVISIONS	BY

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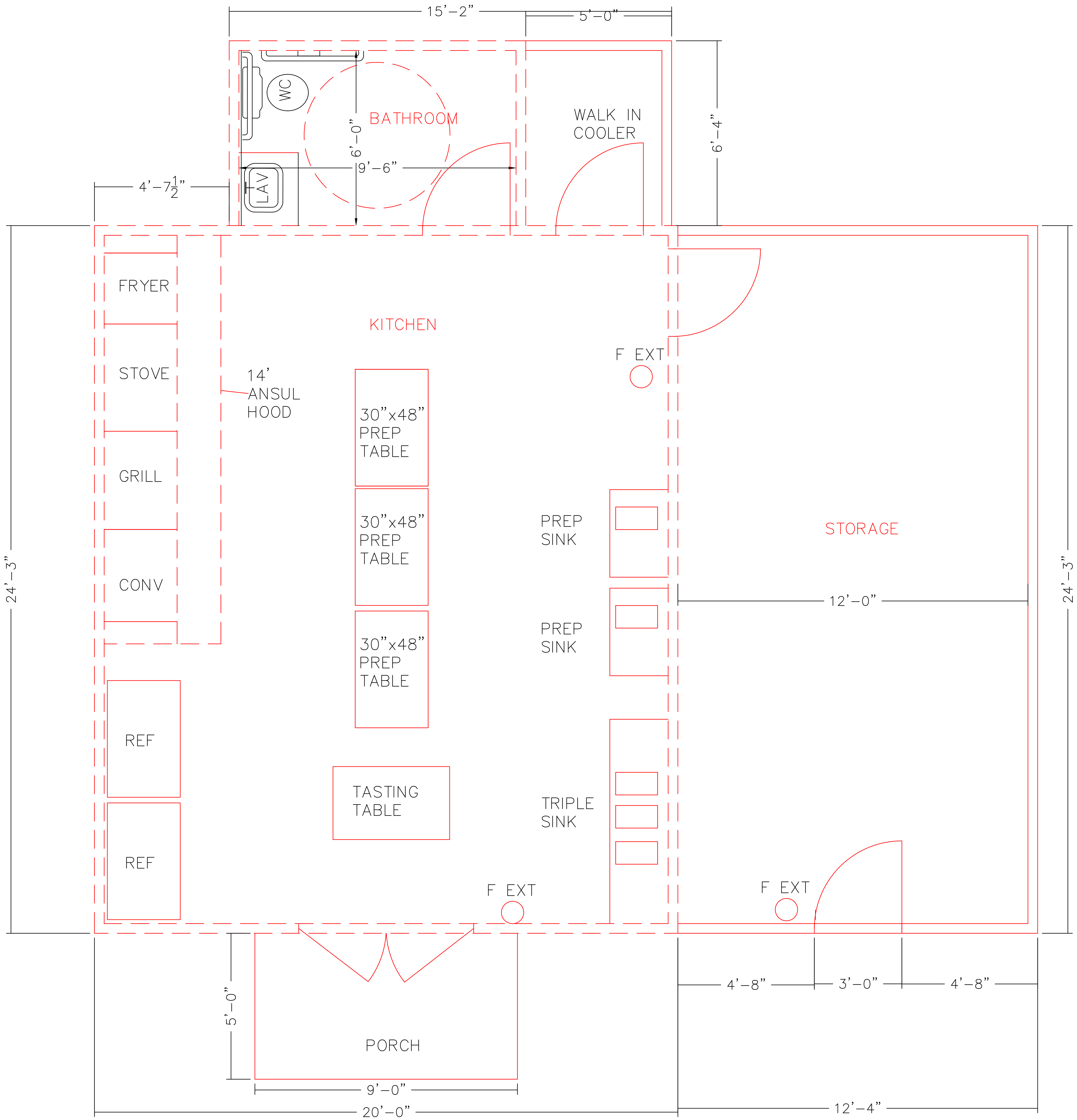
GREG BAGLEY ENGINEER
PLANNING DESIGN SURVEYING MAPPING

SITE PLAN

Old North State Catering
LOCATED
KIPLING ROAD
HARNETT COUNTY
NORTH CAROLINA

DATE 3-28-19
SCALE 1/4:1
DESIGNED BY CGB
DRAWN BY

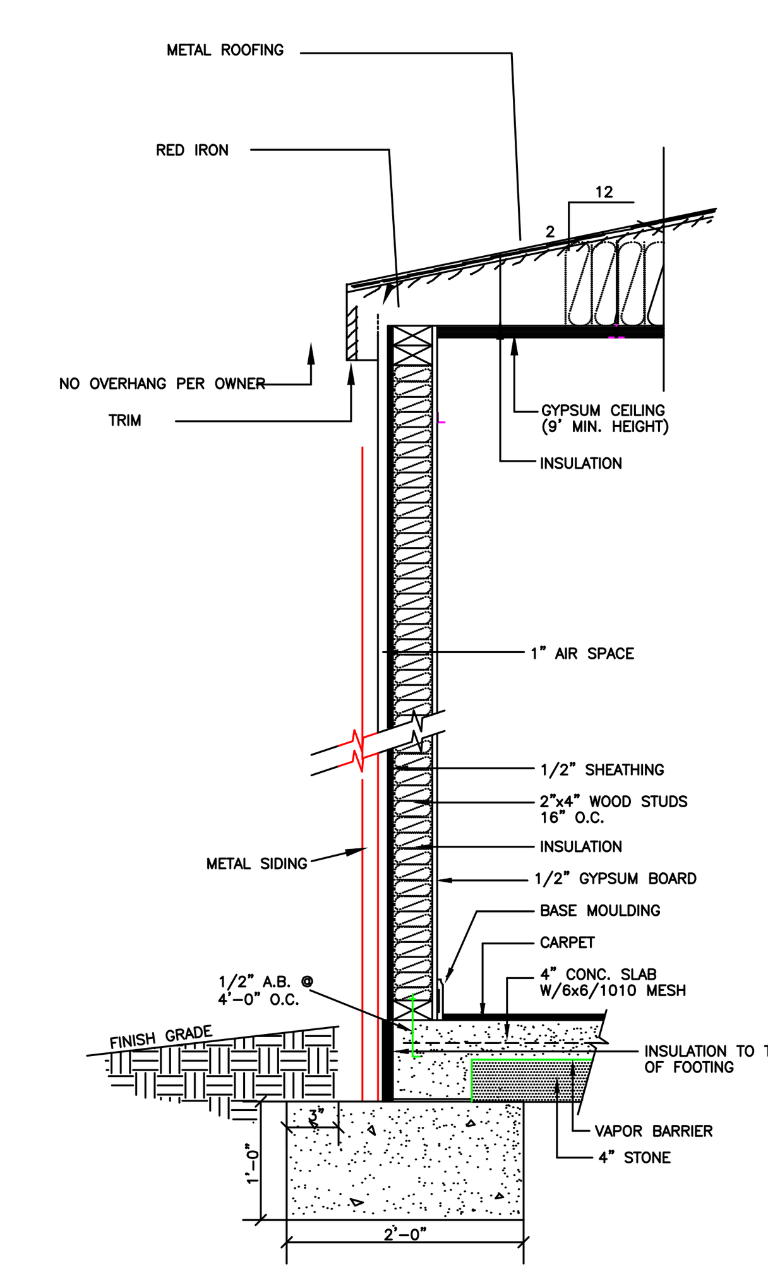
SHEET
SP1-OF-1
SITE PLAN



FLOOR PLAN
SCALE: 1/4" = 1'

CONSTRUCTION NOTES

1. ALL EXISTING WALLS TO HAVE ADDITIONAL STUD ADDED IN BETWEEN EXISTING FOR STRUCTURAL STABILITY.
2. 2"x6" JOISTS TO BE ADDED EVERY 4 FEET FOR STABILITY
3. ALL CONCRETE FOUNDATION WALLS TO BE FILLED WITH CONCRETE AND ALL EXISTING HOLES PLUGGED.
4. ADD 2x4 COLLAR TIES AT EACH JOIST



EXTERIOR WALL SECTION OPTION 1
NO SCALE

GENERAL CONSTRUCTION NOTES

1. CEILING AND WALLS TO BE FRP THROUGHOUT BUILDING.
2. PROVIDE AND INSTALL FIRE EXTINGUISHERS AS REQUIRED PER CODE.

REVISIONS	BY

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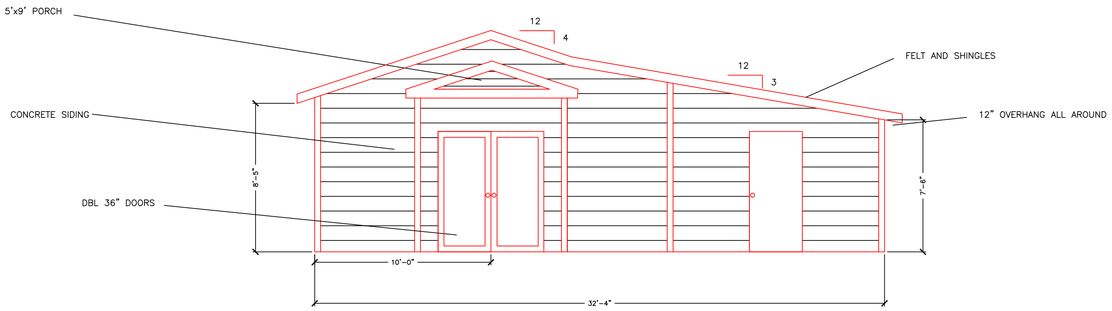
GREG BAGLEY ENGINEER
DESIGN · SURVEYING · MAPPING · PLANNING

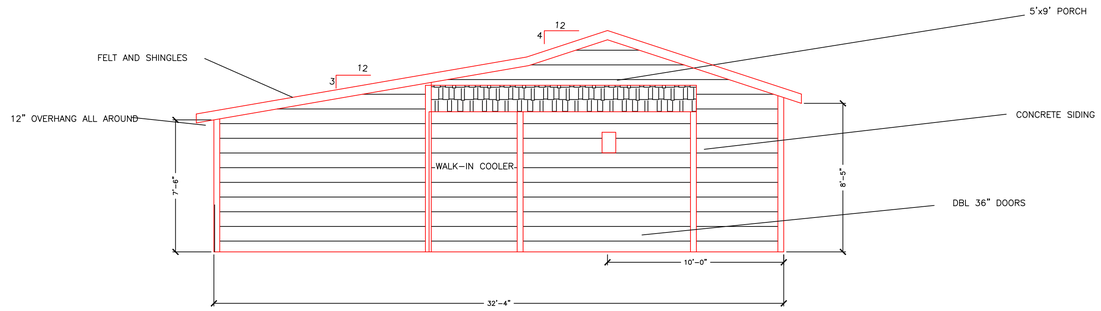
FLOOR PLAN

Old North State Catering
LOCATED
KIPLING ROAD
HARNETT COUNTY
NORTH CAROLINA

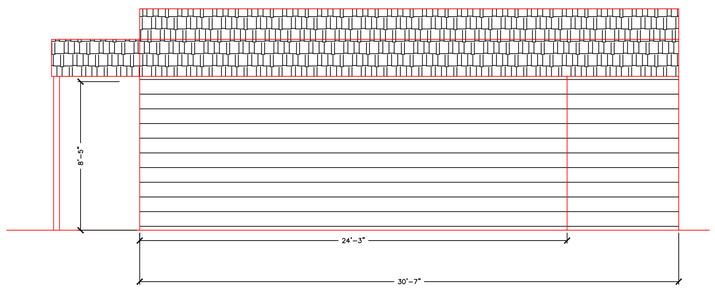
DATE 3-28-19
SCALE 1/4:1
DESIGNED BY CGB
DRAWN BY
SHEET **FP1-OF-1**
FLOOR PLN



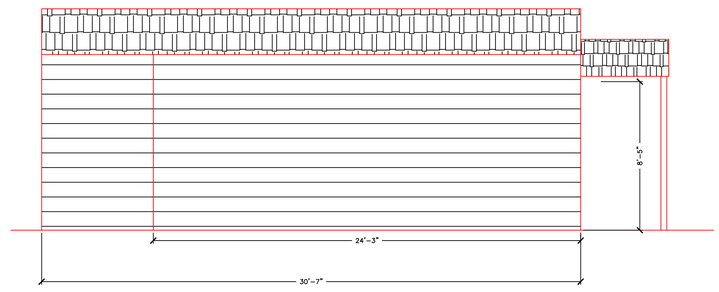
FRONT



REAR



RIGHT SIDE



LEFT SIDE

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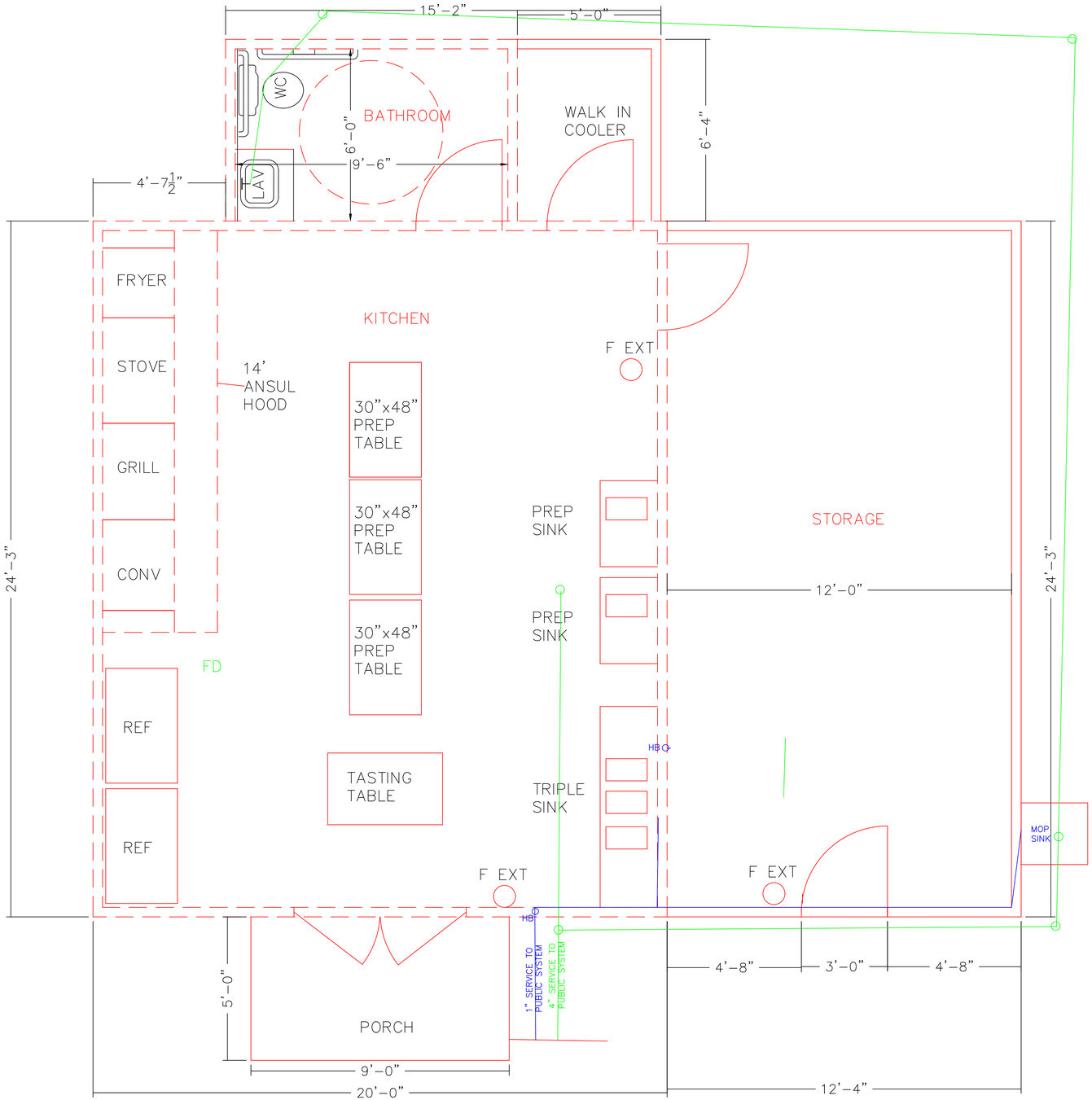
GREG BAGLEY ENGINEER
PLANNING DESIGN SURVEYING MAPPING

ELEVATIONS

Old North State Catering

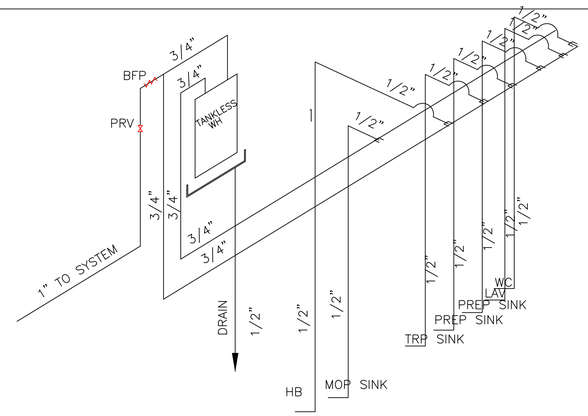
LOCATED
KIPLING ROAD
HARNETT COUNTY
NORTH CAROLINA

DATE 3-28-19
SCALE 1/4:1
DESIGNED BY CGB
DRAWN BY
SHEET EL1-OF-1
ELEVATION



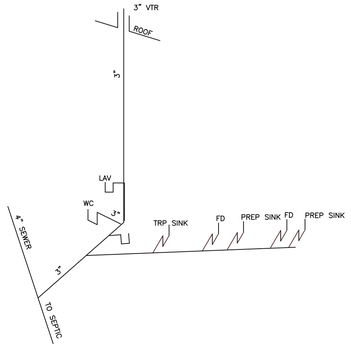
PLUMBING PLAN

SCALE:3/16" = 1'



WATER RISER DETAIL

NO SCALE



SEWER RISER DETAIL

NO SCALE

NOTES:

1. SEWER AND WATER TO BE TIED TO EXISTING PIPING AS REQUIRED BY CODE.
2. BATHROOMS PER CODE.
3. ALL PLUMING TO BE INSTALLED BY LICENSED PLUMBING CONTRACTOR.

FIXTURE SCHEDULE

BATHROOM
1 TOILET
1 LAV

UTILITY
1 TANKLESS WATER HEATER

REVISIONS	BY

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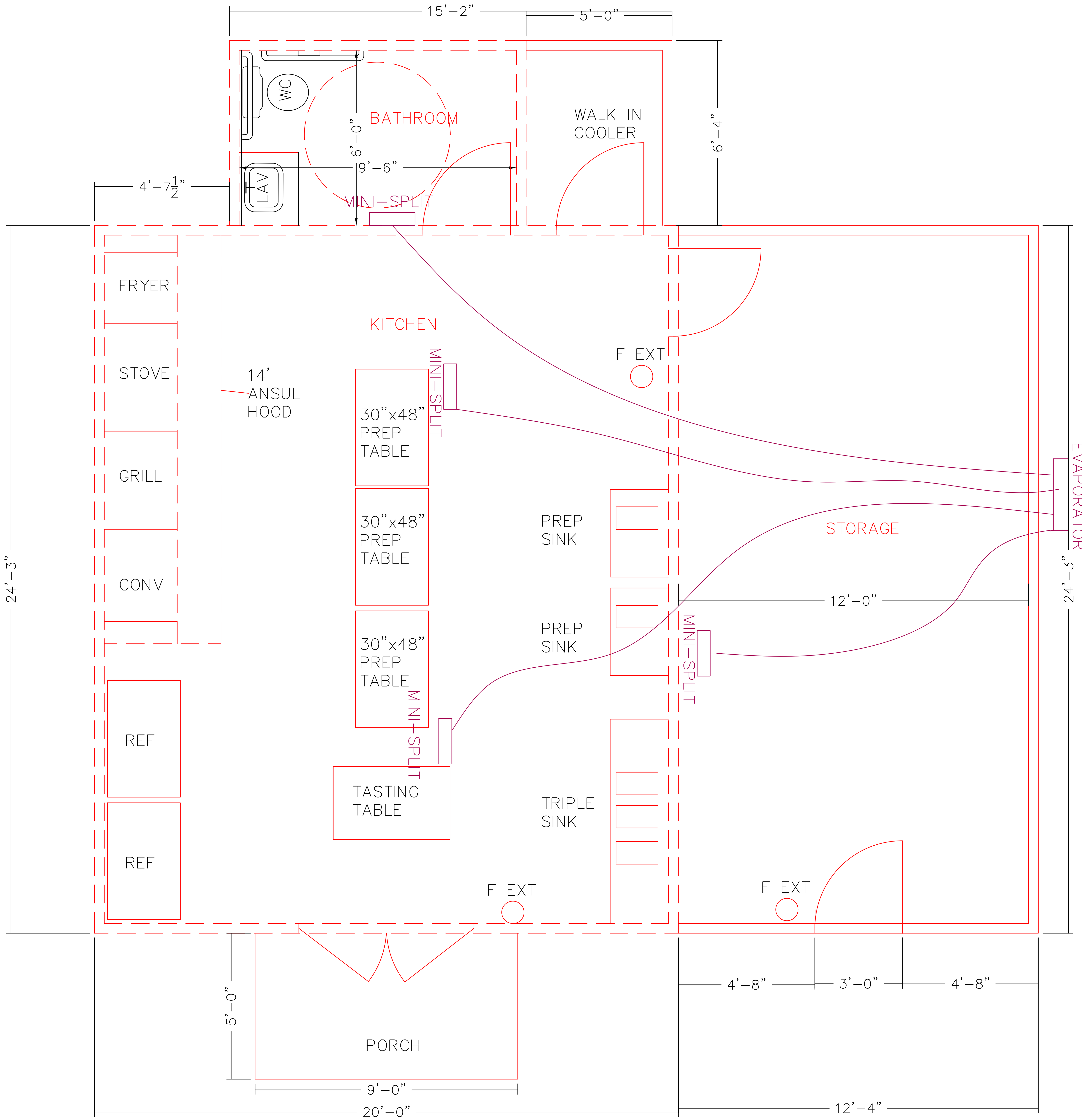
GREG BAGLEY ENGINEER
DESIGN PLANNING CONSULTING MAPPING

FLOOR PLAN

Old North State Catering
LOCATED
KIPLING ROAD
HARNETT COUNTY
NORTH CAROLINA

DATE 3-28-19
SCALE 1/4" = 1'-0"
DESIGNED BY CGB
DRAWN BY
SHEET FP1-OF-1
FLOOR PLN



MECHANICAL PLAN

SCALE:1/4" = 1'-0"

HVAC

MECHANICAL SYSTEMS, SERVICE SYSTEMS, AND EQUIPMENT

METHOD OF COMPLIANCE	PRESCRIPTIVE
THERMAL ZONE	III
EXTERIOR DESIGN CONDITIONS	
winter dry bulb	24 F
summer dry bulb	92 F
INTERIOR DESIGN CONDITIONS	
winter dry bulb	70 F
summer dry bulb	74 F
relative humidity	50 %
BUILDING HEATING LOAD	9000 BTU
BUILDING COOLING LOAD	9000 BTU
MECHANICAL SPACE CONDITIONING SYSTEMS	
Unitary	
description of unit	DX COOLING/HEAT
heating efficiency	16 SEER
cooling efficiency	16 SEER
heating output of units	60000 BTU
cooling output of units	60000 BTU
LIST EQUIPMENT EFFICIENCIES	63%
EQUIPMENT SCHEDULES WITH MOTORS	EQUIPMENT ~ 1/2 hp

HVAC WAREHOUSE

MINI- SPLIT

OUTSIDE AIR CALCULATION

		CFM/PERSON	TOTAL CFM
EMPLOYEES =	4	20	80
OTHERS =	4	20	80
			160

HVAC EQUIPMENT NOTES

1. USE 9000 BTU MITUBISHI MINI–SPLIT OR EQUAL.
2. CONDENSING UNIT TO BE ON GROUND OUTSIDE BUILDING.
3. OUTSIDE AIR INTAKE TO BE ROUTED UP WALL FRAMING AND TERMINATED ABOVE ROOF.
4. INTAKE MUST BE A MINIMUM OF 10' FROM OUTLET OR EXHAUST.
5. MOUNT THERMOSTAT ON WALL 54" AFF.
6. 8"X8" SUPPLY GRILL TO MOUNTED IN WORK AREA.
7. BATHROOM FAN TO BE 75 CFM WITH 4" DUCT.
8. DISCHARGE EXHAUST OUTSIDE OF BUILDING.

REVISIONS | BY

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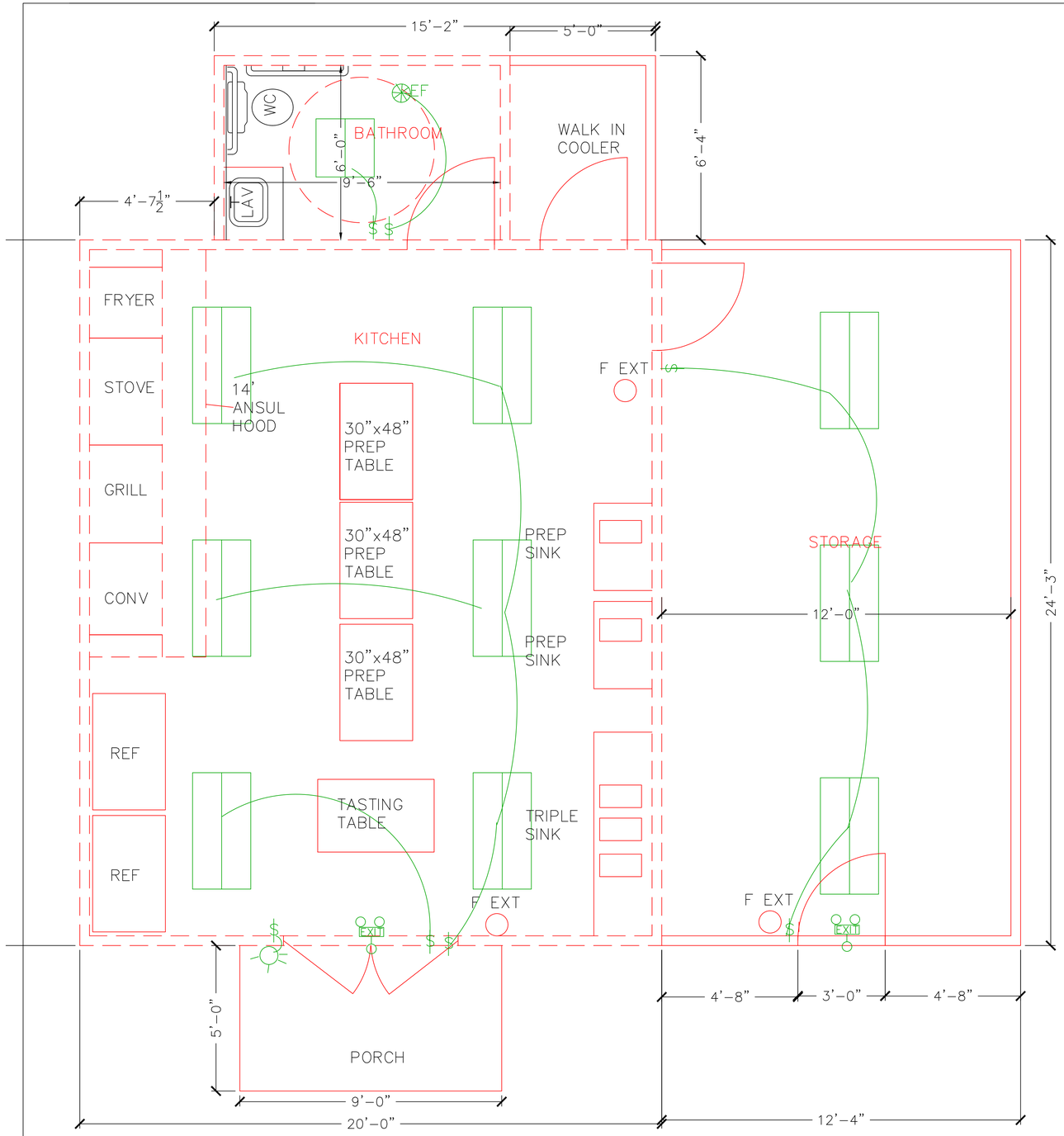
GREG BAGLEY ENGINEER
DESIGN SURVEYING PLANNING MAPPING

FLOOR PLAN

Old North State Catering
LOCATED
KIPLING ROAD
HARNETT COUNTY
NORTH CAROLINA

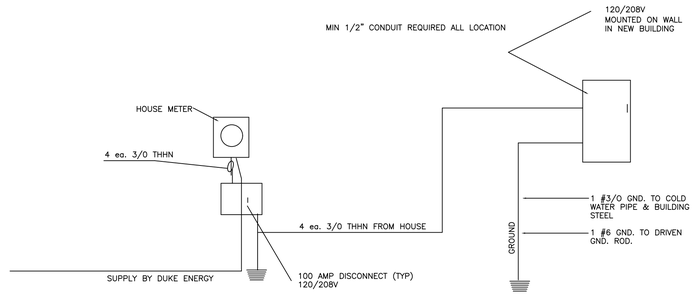
DATE 3–28–19
SCALE 1/4" = 1'–0"
DESIGNED BY CGB
DRAWN BY
SHEET M1-OF-1
MECHANICAL



ELECTRICAL

WAREHOUSE 100 AMP SERVICE
VOLTAGE 220/110V 1 PHASE : 3 WIRE

DEVICE		BRANCH CIRCUIT					BRANCH CIRCUIT	DEVICE	
AMPS TRIP	POLES	DESCRIPTION	CKT	PHASE A	PHASE B	PHASE C	CKT	DESCRIPTION	POLES	AMPS TRIP
20	2	LIGHTING	1				2	RECPT.	1	20
20	2	LIGHTING	3				4	RECPT.	1	20
20	1	LIGHTING	5				6	RECPT.	1	20
20	1	LIGHTING	7				8	BATHROOM GFI	1	20
25	2	WATER HEATER	9				10	RECPT.	1	20
40	2	MINI SPLIT	11				12			
			13				14			
			15				16			
			17				18			
			19				20			
			21				22			
			23				24			



ELECTRICAL RISER

NOT TO SCALE

ELECTRICAL PLAN

SCALE:1/4" = 1'-0"

REVISIONS	BY

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT C. GREGORY BAGLEY 1626 94-18

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DESIGN PLANNING SURVEYING MAPPING
GREG BAGLEY ENGINEER

Old North State Catering
LOCATED
KIPLING ROAD
HARNETT COUNTY
NORTH CAROLINA

DATE: 3-28-19
SCALE: 1/4" = 1'-0"
DESIGNED BY: CGB
DRAWN BY:
SHEET: E1-OF-1
ELECTRICAL