2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2–FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: EL BURRITO MEXICAN RESTAURANT
Address: OVERHILLS ROAD AT RAY ROAD, SPRING LAKE, NC Zip Code 28390
Proposed Use: ASSEMBLY A-2
Owner or Authorized Agent: PETE MARTINEZ Phone (910) 436-3131 E-Mail pmart98l@aol.com
Owned By: ☐ City/County ☑ Private ☐ State
Code Enforcement Jurisdiction: ☐ City ☑ County HARNETT ☐ State NORTH CAROLINA

CONTACT: GEORGE M. ROSE, P.E.

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	
Architectural	N/A	N/A			george@gmrpe.com
Civil	COASTAL PLAINS ENGINEERING	CHRISTOPHER S. LOCKLEAR	20143	910-521-7213	coastalplainseng@gmail.com
Electrical	N/A	N/A			
Fire Alarm	GEORGE M. ROSE, P.E.	GEORGE M. ROSE	11315	910-477-5822	george@gmrpe.com
Plumbing	COASTAL PLAINS ENGINEERING	CHRISTOPHER S. LOCKLEAR	20143	910-521-7213	coastalplainseng@gmail.com
Mechanical	N/A	N/A			
Sprinkler–Standpipe	N/A	N/A			
Structural :					
Precast:	N/A	N/A			
Retaining Walls >5'	N/A	N/A			
Building	GEORGE M. ROSE, P.E.	GEORGE M. ROSE	11315	910-477-5822	george@gmrpe.com

2018 NC CODE FOR: ☐ New Construction
☑ 1st Time Interior Completion
☐ Shell/Core
☐ Phased Construction – Shell/Core
☐ Renovation

2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Chapter 14
Alteration: ☐ Level I ☑ Level II ☐ Level III
☐ Historic Property ☐ Change of Use

CONSTRUCTED: 2018 ORIGINAL OCCUPANCY(S) (Ch. 3): _____
RENOVATED: _____ CURRENT OCCUPANCY(S) (Ch. 3): VACANT
RISK CATEGORY (table 1604.5) Current: ☐ I ☑ II ☐ III ☐ IV
Proposed: ☐ I ☑ II ☐ III ☐ IV

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
Special Inspections Required: ☑ No ☐ Yes

Gross Building Area:

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	RENOVATED (SQ FT)	SUB-TOTAL
6th Floor				
5th Floor				
4th Floor				
3rd Floor				
2nd Floor				
Mezzanine				
1st Floor	2580		2580	
Basement				
TOTAL	2580		2580	

ALLOWABLE AREA

Primary Occupancy Classification: SELECT ONE
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 Deflagerate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 CONDITION ☐ 1 ☐ 2
☐ I-2 CONDITION ☐ 1 ☐ 2
☐ I-3 CONDITION ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4
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 Occupancy Classification(s): _____
Incidental Uses (Table 509): _____
Special Uses (Chapter 4 – List Code Sections): _____
Special Provisions (Chapter 5 – List Code Sections): _____
Mixed Occupancy: ☑ No ☐ Yes Separation: - Hr. Exception: _____

☐ 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.
of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$
$$\_\_\_ + \_\_\_ = \_\_\_ \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,5]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
1	ASSEMBLY A-2	2,580	9,500		

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase I_f = 100 [F/P – 0.25] x W/30 = _____ (%)
2 Unlimited area applicable under conditions of Section 507.
3 Maximum Building Area = total number of stories in the building x D (minimum 3 stories) (506.2),
4 The maximum area of open parking garages must comply with Table 406.5.4.
5 Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE (TABLE 503)	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	55'	22'-2"	
Building Height in Stories (Table 504.4)	2	1	

1 Provide code reference if the "Show on Plans" quantity is not based on Table 504.3 or 504.4.
2 The maximum height of air traffic control towers must comply with Table 412.3.1
3 The maximum height of open parking garages must comply with Table 406.5.4

PERCENTAGE OF WALL OPENINGS CALCULATIONS

FIRE SEPARATION DISTANCE (FEET FROM PROPERTY LINES)	DEGREES OF OPENINGS PROTECTION (TABLE 705.8)

FIRE PROTECTION REQUIREMENTS

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		0					
Bearing walls Exterior							
North		0					
East		0					
West		0					
South		0					
Interior							
Nonbearing walls and Partitions Exterior walls							
North							
East							
West							
South							
Interior walls and partitions							
Floor construction including supporting beams and joists							
Roof construction including supporting beams and joists							
Roof construction including supporting beams and joists							
Roof ceiling Assembly							
Column supporting roof							
Shafts Enclosures – Exit							
Shafts Enclosures – Other							
Corridor Separation							
Occupancy/Fire Barrier Separation	2	G1			U419		
Party/Fire Wall Separation	2	G1			U419		
Smoke Barrier Separation							
Tenant/Dwelling Unit/Sleeping Unit Sep							
Incidental Use Separation							

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENINGS CALCULATIONS

FIRE SEPARATION DISTANCE (FEET FROM PROPERTY LINES)	DEGREES OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)

LIFE SAFETY SYSTEM REQUIREMENTS

Life Safety Plan Sheet #: G1 (2/G1)
Fire and/or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on the site plan)
☐ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.2)
☑ Occupant loads for each area
☑ Exit access travel distance (1017)
☑ Common path of travel distances (1006.2.1 & 2006.3.2(1)
☑ Dead end lengths (1020.4)
☑ Clear exit widths for each exit door
☑ Maximum calculated occupant load capacity each exit door can accomodate 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 and supporting construction for a fire barrier/fire partition/smoke barrier.
☐ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ 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

ENERGY SUMMARY

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

Existing building envelope complies with code: ☐ No ☑ Yes (the remainder of this section is not applicable)
Existing building: ☐ No ☐ Yes (Provide Code or Statury reference)
Existing building: No Yes (Provide Code or Statury reference)
Climate Zone: ☐ 3A ☑ 4A ☐ 5A
Method of Compliance: Energy Code ☐ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here) _____

THERMAL ENVELOPE (Prescriptive method only)
Roof/ceiling Assembly (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
Total square footage of skylights in each assembly: _____
Exterior Walls (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing)
U-Value of assembly: _____
Solar heat gain coefficient: _____
U-Value of assembly: _____
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 total assembly: _____
R-Value of insulation: _____
Floor slab on grade
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/Vertical requirement: _____
R-Value of insulation: _____
Slab Heated: _____

ACCESSIBLE PARKING
(SECTION 1106)

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

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATER CLOSETS MALE	WATER CLOSETS FEMALE	WATER CLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS/ TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE	EXISTING	0	0	1	0	0	0	1	0	0	0
	NEW	1*	2	0	1	1	2	0	0	0	0
	REQUIRED	1	1	0	0	1	1	0	0	0	0

* URINAL ALSO PROVIDED

SPECIAL APPROVALS

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

VICINITY MAP
NO SCALE

STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:
Importance Factors: Snow (I_S) 1.0
Snow (I_E) 1.0
Live Loads: Roof 20 psf
Mezzanine _____ psf
Floor 100 psf
Ground Snow Load: 10 psf
Wind Load: Ultimate Wind Speed 120 mph (ASCE-7)
Exposure Category _____

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) ☐ I ☑ II ☐ III ☐ IV
Spectral Response Acceleration S_S _____ %g S_1 _____ %g
Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☑ D
Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data
Basic structural system ☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
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 _____ psf

SHELL VARIABLE FORM (for all spaces – see plan)
(THIS SECTION REQUIRED FOR ALL SHELL, ALTERATIONS TO SHELL AND INTERIOR COMPLETION PROJECTS)
Check each applicable line to match scope of work. Edit as necessary to provide clear detail of installation.

Mechanical
☐ No work
☐ Equipment set☐ with☐ without power
☐ Trunk line installed☐ with☐ without outlets
☐ Gas Line
☐ Install complete operational system
Other _____

Plumbing
☐ No work
☐ Install water service and sewer
☐ Install building drain ☐ and☐ or water distribution ☐main with
☐ without branches
☐ Install complete plumbing system
Other ☐ ROUGH-INS ARE INCOMPLETE, ADD'L IN-SLAB WORK IS REQUIRED.
WATER SERVICE IS EXISTING (PRESENTLY INSTALLED).

Sprinkler
☐ Install complete sprinkler system

Building
☐ Install slab ☐ part☐ complete
☐ Install demising walls
☐ Install interior partitioning ☐ partial☐ complete
☐ Install Ceilings
☐ White box (additional interior completion permits are required for Certificate of Occupancy and power)
Other _____

Electrical
☐ House panel
☐ Service laterals to meter centers/panels located on buildings
☐ Demise wall and ceilings only
☐ Conduit, duct, raceway in slab
☐ Power and lighting circuits to "J" Box
☐ Install light fixtures
☐ Install☐ Heat/A☐ Elevator☐ Generat☐ Parking lot lighting
☐ Install complete system
Other ☐ SUITE PANEL AND SERVICE ARE EXISTING (PRESENTLY INSTALLED).
Please provide full information on any alternate methods and means incorporated into the design of this project. Provide specific details and incorporate into plan submittal any supporting documents or agreement

SPECIAL INSTRUCTIONS (CHAPTER 17)
SPECIAL INSPECTIONS SHALL BE CONDUCTED ON ALL PROJECTS THAT FALL WITHIN BUILDING CATEGORIES AND/OR CONTAIN ELEMENTS SUBJECT TO SPECIAL INSPECTIONS AS PRESCRIBED BY REVISED SECTION 1704.
To schedule a required pre-construction meeting with the City of Fayetteville, please call Doug Maples at (910) 433-1703. The main line number for the Development Services Center is (910) 433-1701.
List whom will inspect the required special inspections:

Fabricator of load bearing components	_____
Soil tests	_____
Concrete, caissons, piles, piers, pre-cast	_____
Post tension concrete	_____
Modular construction	_____
Steel and connections, welds, bolts, anchors	_____
Fire spray tests	_____
Smoke control	_____
Seismic, wind designs, Quality Assurance	_____
Retaining walls	_____
Masonry	_____
Wood	_____
Alternate Methods	_____
EIFS	_____
Other (describe)	_____
Other (describe)	_____

Owner or agent
_____

SPECIAL APPROVALS:
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)
NONE

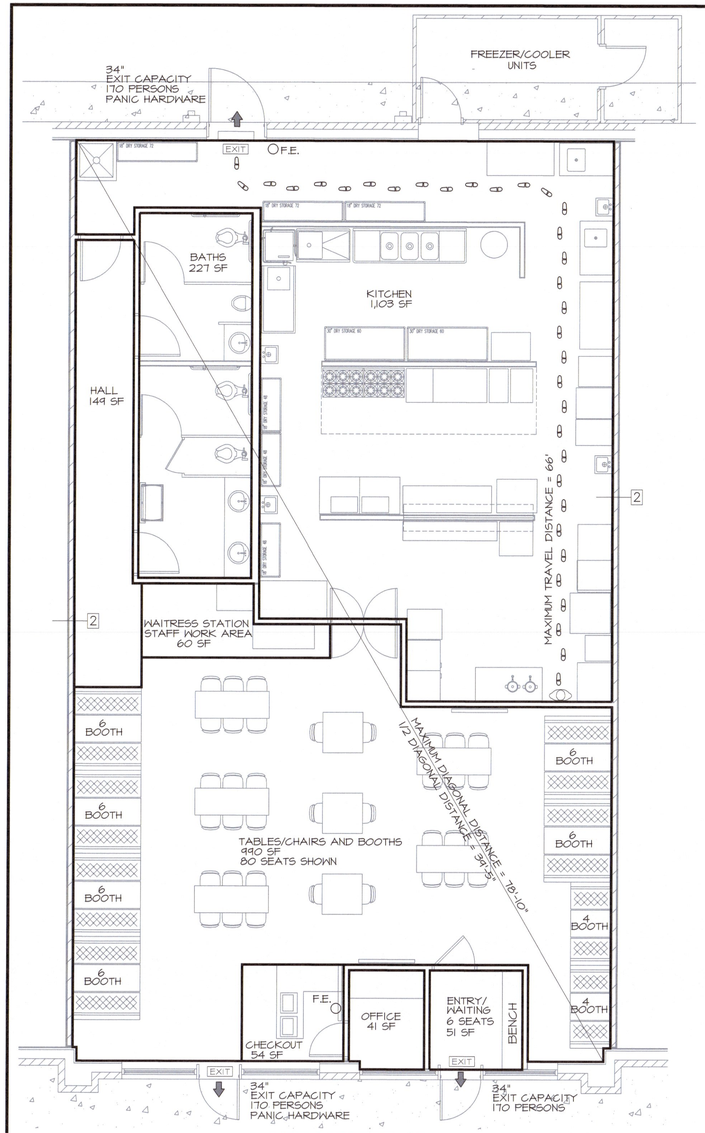
Review For Fire Code Compliance
Harnett County North Carolina
Leslie Jackson
12/16/2022 2:07:13 PM

COUNTY OF HARNETT
2018 APPENDIX B
BUILDING CODE SUMMARY
for:

FIRST TIME UPFIT PLANS FOR
EL BURRITO MEXICAN RESTAURANT
OVERHILLS ROAD AT RAY ROAD
SPRING LAKE, NORTH CAROLINA 28390

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 11315 11-28-22 GEORGE M. ROSE

BC



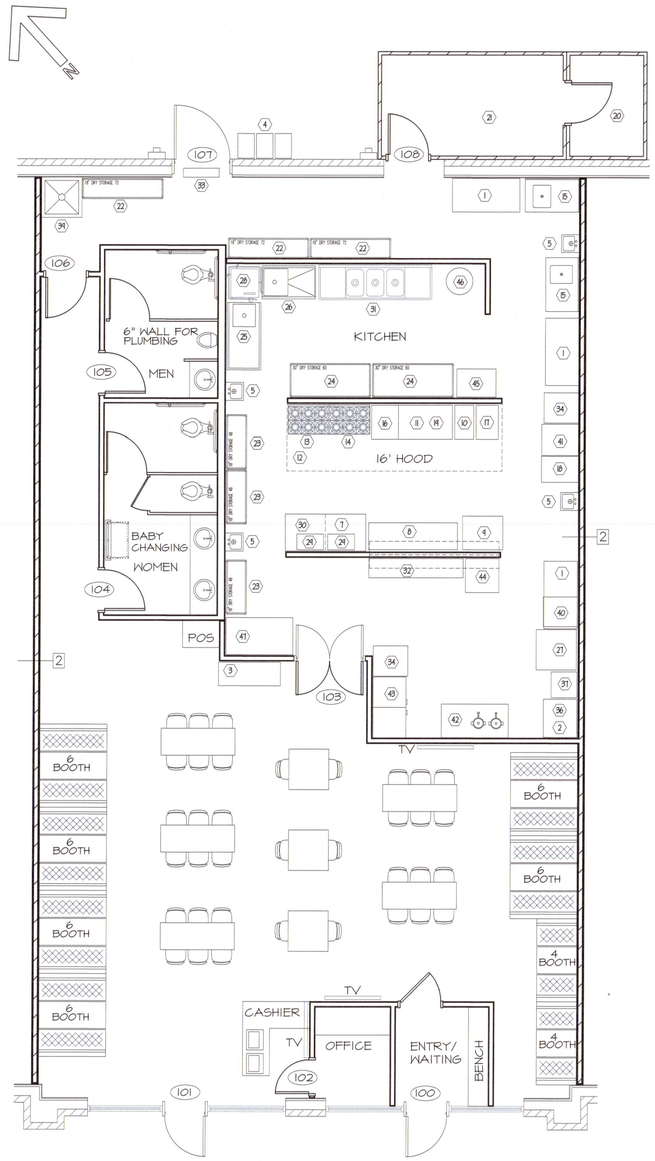
2/G1 LIFE SAFETY PLAN
3/16" = 1' - 0"

KITCHEN EQUIPMENT SCHEDULE

NO.	DESCRIPTION	MODEL	MANUFACTURER	BTU LOAD
1	TABLE, S.S. 60" x 30"	600T3060G	REGENCY	
2	ICE CUBE MACHINE, 30" x 34"	I-606	MANITOWOC	
3	BEER REFRIGERATOR W/GLASS DOORS	NLRGM48SB	NORLAKE	
4	TANKLESS WATER HEATERS	CUH98N	RINNAI	
5	HAND SINK, S.S. W/ SPLASH GUARDS (3)	600HS17SP	REGENCY	
6	SHELVING, WIRE 48" X 18" (10)	460EG1848	REGENCY	
7	REFRIGERATOR, SANDWICH PREP 72"	NLSMPT2-30A	NORLAKE	
8	STEAM TABLE, WETBATH W/ UNDERSHELF 74"	ANTS-LP-IX	EAGLE GROUP	30,000
9	TABLE, S.S. 30"x36"	600S0246	REGENCY	
10	FRYER, FULL BASKET 14", GAS	35C+S	PITCO	90,000
11	GRIDDLE, COUNTER UNIT 48", GAS	648MF	STAR-MAX	113,000
12	HOOD, EXHAUST 16' X 4'	BD-2	CAPTIVEAIRE	
13	RANGE, STANDARD STD OVEN 36", GAS	6TB624-AB24	GARLAND	60,000
14	CONVECTION RANGE, STD OVEN 36", GAS	636-6R-C	GARLAND	236,000
15	TABLE, PREP S.S. W/ SINK 48"	600ST3048LFT (RT)	REGENCY	
16	CHAR BROILER 24", GAS	6TB624	GARLAND	72,000
17	FRYER, FULL BASKET 18", GAS	65C+S	PITCO	150,000
18	CABINET, HEATED HOLDING/PROOFING 20.3"	1TTHP1836	AVANTCO	
19	REFRIGERATOR, CHEF BASE 72"	NLCB72	NORLAKE	
20	FREEZER, WALK-IN 8 X 6	COMBINATION BOX	KOLPAK	
21	COOLER, WALK-IN 8 X 14	7'-1" X 11'-4"		
22	SHELVING, WIRE 18" X 72"		REGENCY	
23	SHELVING, WIRE 18" X 48"		REGENCY	
24	SHELVING, WIRE 30" X 60"		REGENCY	
25	30"x60" CLEAN TABLE	BPCDT-60R-16/3	EAGLE GROUP	
26	DISHTABLE, SOILED STRAIGHT 48"	BPSDT-48L-16/3	EAGLE GROUP	
27	CUP STORAGE CART 36" X 36"			
28	DISHMACHINE, LOW ENERGY HOOD TYPE	A4 WATER SAVER	AUTO-CHLOR	
29	MICROWAVE OVEN	1800M100055	SOLWAVE	
30	MICROWAVE SHELF 24"	MMS-18-24	REGENCY	
31	SINK, 3-COMPARTMENT 103"	516-20-3-18	EAGLE GROUP	
32	CABINET 17" X 84"			
33	FLY-FAN			
34	SINGLE-DOOR REACH-IN REFRIGERATOR	NLF23-S	NORLAKE	
35	RANGE, CONVECTION OVEN 36", GAS	536A	SOUTHBEND	
36	ICE BIN, BASE 36"	B-570	MANITOWOC	
37	SODA FOUNTAIN DISPENSER, COUNTERTOP	DI-2323 (6 VALVE)	PEPSI COLA	
38	SPLASH GUARD, S.S. 24"x14" BOLTED	7-PS-13D	ADVANCE TABCO	
39	MOP SINK			
40	CHIP WARMER, HEATED HOLDING	VCD26	VULCAN	
41	REFRIGERATOR, REACH-IN SGL 27.5"	NLR23-S	NORLAKE	
42	WORK TABLE 30"X60"	600T3012G	REGENCY	
43	REFRIGERATOR, REACH-IN DBL 55"	NLR44-S	NORLAKE	
44	30"X30" TABLE, CHIP STORAGE AREA			
45	CART, CAN STORAGE	CSR-4	CHANNEL MFRS	
46	TRASH CAN, LARGE			
47	TABLE, S.S. 30"x60"			

DOOR SCHEDULE

DOOR NUMBER	DOOR SIZE	ROUGH OPENING	DOOR SWING	JAMB TYPE	LOCK SET	REMARKS
100	-	-	RH	STOREFRONT	KEYED	EXISTING DOOR TO REMAIN
101	-	-	LH	STOREFRONT	PANIC HARDWARE	EX. DOOR, NEW PANIC HARDWARE
102	2/6X7'/0	32"X86"	LH	H. METAL	KEYED	
103	3/0X7'/0	BY MFTR	-		NONE	DOUBLE ACTION DOOR
104	3/0X7'/0	38"X86"	RH	H. METAL	PRIVACY	
105	4/0X7'/0	38"X86"	RH	H. METAL	PRIVACY	
106	3/0X7'/0	38"X86"	-	H. METAL	PASSAGE	
107	3/0X7'/0	38"X86"	LH	H. METAL	PANIC HARDWARE	EX. DOOR, NEW PANIC HARDWARE
108	BY MFTR	BY MFTR	LH	BY MFTR		BY FREEZER/COOLER VENDOR



1/G1 FLOOR PLAN
3/16" = 1' - 0"

OCCUPANCY AND PLUMBING FIXTURE INFORMATION

GROSS INTERIOR SQUARE FOOTAGE = 2,580 SF
TYPE OF CONSTRUCTION: II-B
ASSEMBLY A-2 OCCUPANCY
SPACE OCCUPANCY (INSIDE THE BUILDING) BY NET SF USING TABLE 1004.1.1
SEE AREAS SUMMARY DIAGRAM THIS SHEET
ASSEMBLY (A-2): TABLES/CHAIRS AND BOOTHS = 80 PERSONS
ASSEMBLY: WAITING = 6 PERSONS
CHECKOUT = 54 SF = 3 PERSONS
KITCHEN = 1,103 SF/200 SF PER PERSON = 6 PERSONS
WAITRESS STATION = 60 SF = 5 PERSONS
TOTAL BUILDING OCCUPANCY = 80 + 6 + 3 + 6 + 5 = 100 PERSONS
= 50 MALES, 50 FEMALES
MALE TOILETS REQUIRED = 1 PER 75 = 1 TOTAL (1 MALE, ONE URINAL PROVIDED)
MALE LAVATORIES REQUIRED = 1 PER 200 = 1 TOTAL (1 PROVIDED)
FEMALE TOILETS REQUIRED = 1 PER 75 = 1 TOTAL (2 PROVIDED)
FEMALE LAVATORIES REQUIRED = 1 PER 200 = 1 TOTAL (2 PROVIDED)
MAXIMUM TRAVEL DISTANCE: 66 FEET
MAXIMUM ALLOWABLE TRAVEL DISTANCE: 200 FEET (PER 1017.2)
THE COMMON PATH OF TRAVEL IS LESS THAN 30 FEET. (PER 1024.8)
THERE ARE NO DEAD END CORRIDORS OVER 20 FEET. (PER 1020.4)
MIN. NO. OF EXITS REQ'D: TWO (PER SECTION 1006.2.1)
NUMBER OF EXITS PROVIDED: TWO
MAXIMUM DIAGONAL LENGTH = 78'-10"
ONE FRONT DOOR AND REAR EGRESS DOOR ARE REQUIRED TO HAVE PANIC HARDWARE. (PER 1010.1.10)
DOORS DO NOT HAVE DELAYED EGRESS LOCKS (PER 1008.1.9.7)
DOORS DO NOT HAVE ELECTROMAGNETIC EGRESS LOCKS (PER 1010.1.9.3)
DOORS DO NOT HAVE HOLD OPEN DEVICES.
THERE ARE NO EMERGENCY ESCAPE WINDOWS (PER 1030)
THERE ARE NO SLEEPING AREAS (SMOKE COMPARTMENTS)
EGRESS ILLUMINATION PROVIDED AT EACH EXIT (PER 1008)
THIS SPACE IS NOT PROTECTED BY FIRE SPRINKLERS.
NO. OF FIRE EXTINGUISHERS PROVIDED: 2 TOTAL
PROVIDE FIRE EXTINGUISHERS UNDER THE FOLLOWING CONDITIONS:
1. WITHIN 30' OF COMMERCIAL COOKING EQUIPMENT
2. IN AREAS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED, USED OR DISPENSED.
3. WHERE REQUIRED BY SECTIONS IN TABLE 906.1, N.C. BUILDING CODE
4. SPECIAL-HAZARD AREAS WHERE REQUIRED BY FIRE CODE OFFICIAL.

WALL TYPES

2 TWO LAYERS 5/8" SHEETROCK ON EACH SIDE OF 20 GA 3-5/8" METAL STUDS AT 16" O.C. 2-HOUR ASSEMBLY PER UL U419

LEGEND

F.E. ABC FIRE EXTINGUISHER SUGGESTED LOCATION
EXIT ROUTE
36" EXIT WIDTH
EXIT EXIT SIGN

NOTES:

1. INTERIOR DIMENSIONS SHOWN ARE STUD TO STUD UNLESS OTHERWISE NOTED.
2. EXCEPT WHERE NOTED OTHERWISE, INTERIOR WALLS ARE 20 GA 3-5/8" X 10' METAL STUDS AT 16" O.C. WITH 5/8" SHEETROCK EACH SIDE.
3. DEPICTS DOOR NUMBER (100)
4. PAINT BATHROOM WALLS TO 48" ABOVE FF WITH EPOXY PAINT OR PROVIDE WASHABLE WALL COVERINGS.

NORTH CAROLINA PROFESSIONAL SEAL 11345 ENGINEER GEORGE M. ROSE 11-21-22

REVISIONS:
11-21-22 DR 108, CR COUNTER

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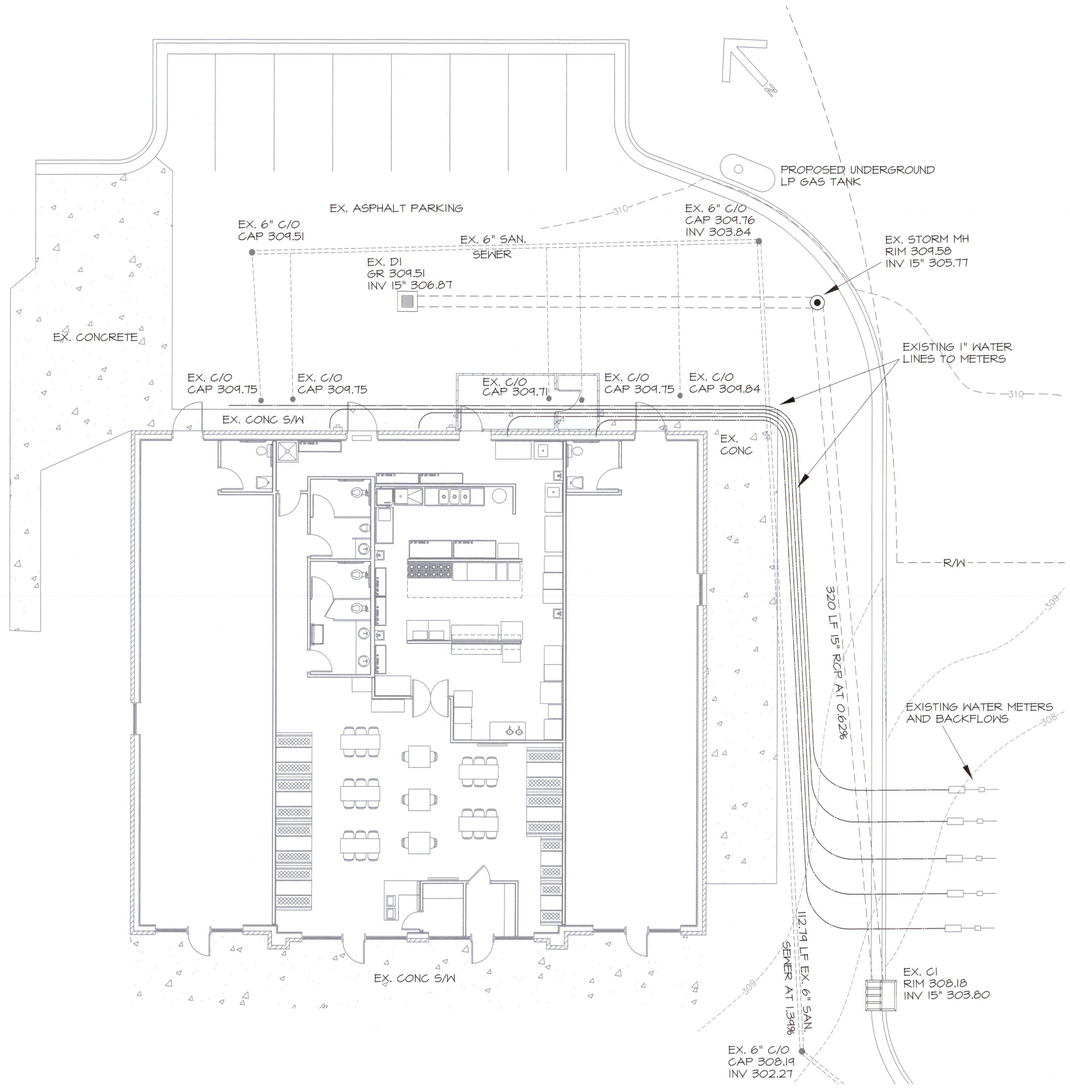
910-977-5822 FAX 910-485-5823 EMAIL george@gmrpe.com

EL BURRITO MEXICAN RESTAURANT
6743-6749 OVERHILLS ROAD SPRING LAKE, NC

FLOOR PLAN AND EQUIPMENT SCHEDULE

DATE: NOV 2022
DRAWN BY: GMR
CHECKED: GMR
SCALE: NOTED

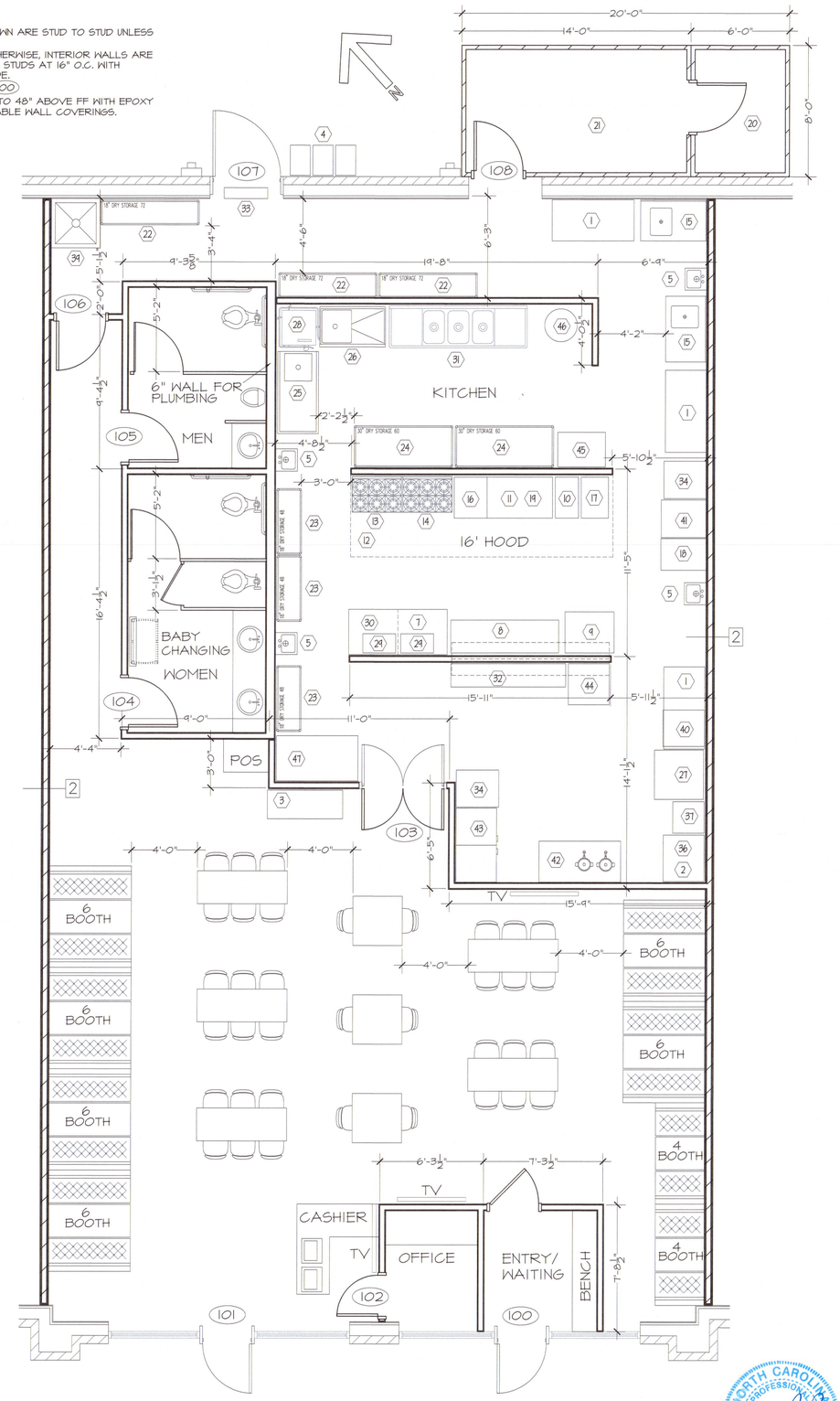
SHEET NO.
G1



2 / G2 PARTIAL SITE PLAN (EXISTING CONDITIONS)
SCALE 1" = 10'

NOTES:

1. INTERIOR DIMENSIONS SHOWN ARE STUD TO STUD UNLESS OTHERWISE NOTED.
2. EXCEPT WHERE NOTED OTHERWISE, INTERIOR WALLS ARE 20 GA 3-5/8" X 10' METAL STUDS AT 16" O.C. WITH 5/8" SHEETROCK EACH SIDE.
3. DEPICTS DOOR NUMBER (100)
4. PAINT BATHROOM WALLS TO 48" ABOVE FF WITH EPOXY PAINT OR PROVIDE WASHABLE WALL COVERINGS.



1 / G2 DIMENSIONED FLOOR PLAN
1/4" = 1'-0"

KITCHEN EQUIPMENT SCHEDULE

NO.	DESCRIPTION	MODEL	MANUFACTURER
1	TABLE, S.S. 60" x 30"	600T30606	REGENCY
2	ICE CUBE MACHINE, 30" x 34"	1-606	MANITOWOC
3	BEER REFRIGERATOR W/GLASS DOORS	NLRGM48SB	NORLAKE
4	TANKLESS WATER HEATERS	CUMMEN	RINNAI
5	HAND SINK, S.S. W/ SPLASH GUARDS (3)	600HS15P	REGENCY
6	SHELVING, WIRE 48" X 18" (10)	460E6I848	REGENCY
7	REFRIGERATOR, SANDWICH PREP 72"	NLSMPT12-30A	NORLAKE
8	STEAM TABLE, METBATH W/ UNDERSHELF 74"	AMTS-LP-IX	EAGLE GROUP
9	TABLE, S.S. 30"x36"	600T3024G	REGENCY
10	FRYER, FULL BASKET 14", GAS	35C+S	PITCO
11	GRIDDLE, COUNTER UNIT 48", GAS	648MF	STAR-MAX
12	HOOD, EXHAUST 16' X 4'	BD-2	CAPTIVEAIRE
13	RANGE, STANDARD STD OVEN 36", GAS	61B624-AB24	GARLAND
14	CONVECTION RANGE, STD OVEN 36", GAS	636-6R-C	GARLAND
15	TABLE, PREP S.S. W/ SINK 48"	600ST3048LEFT (RT)	REGENCY
16	CHAR BROILER 24", GAS	61B624	GARLAND
17	FRYER, FULL BASEKET 15", GAS	65C+S	PITCO
18	CABINET, HEATED HOLDING/PROOFING 20.3"	1THPP1836	AVANTCO
19	REFRIGERATOR, CHEF BASE 72"	NLCB72	NORLAKE
20	FREEZER, WALK-IN 8 X 6	COMBINATION BOX	KOLPAK
21	COOLER, WALK-IN 8 X 14	7'-4" X 19'-4"	
22	SHELVING, WIRE 18" X 72"		REGENCY
23	SHELVING, WIRE 18" X 48"		REGENCY
24	SHELVING, WIRE 30" X 60"		REGENCY

NO.	DESCRIPTION	MODEL	MANUFACTURER
25	30"x60" CLEAN TABLE	BPCDT-60R-16/3	EAGLE GROUP
26	DISHTABLE, SOILED STRAIGHT 48"	BPSDT-48L-16/3	EAGLE GROUP
27	CUP STORAGE CART 36" X 36"		
28	DISHMACHINE, LOW ENERGY HOOD TYPE	A4 WATER SAVER	AUTO-CHLOR
29	MICROWAVE OVEN	1800N100055	SOLWAVE
30	MICROWAVE SHELF 24"	WMS-18-24	REGENCY
31	SINK, 3-COMPARTMENT 103"	S16-20-3-18	EAGLE GROUP
32	CABINET 17" X 84"		
33	FLY-FAN		
34	SINGLE-DOOR REACH-IN REFRIGERATOR	NLF23-S	NORLAKE
35	RANGE, CONVECTION OVEN 36", GAS	536A	SOUTHBEND
36	ICE BIN, BASE 36"	B-570	MANITOWOC
37	SODA FOUNTAIN DISPENSER, COUNTERTOP	D1-2323 (6 VALVE)	PEPSI COLA
38	SPLASH GUARD, S.S. 24"x14" BOLTED	1-PS-13D	ADVANCE TABCO
39	MOP SINK		
40	CHIP WARMER, HEATED HOLDING	VCD26	VULCAN
41	REFRIGERATOR, REACH-IN 56L 27.5"	NLR23-S	NORLAKE
42	WORK TABLE 30"X60"	600T3072G	REGENCY
43	REFRIGERATOR, REACH-IN DEL 55"	NLR44-S	NORLAKE
44	30"X30" TABLE, CHIP STORAGE AREA		
45	CART, CAN STORAGE	CSR-9	CHANNEL MFRS
46	TRASH CAN, LARGE		

NORTH CAROLINA PROFESSIONAL ENGINEER 11315 11-29-22 GEORGE M. ROSE

REVISIONS:
11-29-22 DR 108, CR COUNTER

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DIMENSIONED FLOOR PLAN

DATE: NOV 2022
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SHEET NO.
G2

PLUMBING NOTES:

PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA PLUMBING CODE 2018 EDITION AND LOCAL CODES.

ALL WORK SHALL BE COORDINATED AND PERFORMED WITH PRIOR APPROVAL FROM THE GENERAL CONTRACTOR AND OWNER TO SUIT THE OWNER'S OPERATING CONDITIONS.

PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE GENERAL CONTRACTOR OF ANY DEVIANCES FROM THE CONTRACT DRAWINGS PRIOR TO STARTING ANY WORK.

THE PLUMBING CONTRACTOR SHALL COORDINATE WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE. THINK OF OTHER CONTRACTORS AND THEIR REQUIREMENTS IN VERTICAL CHASES AND WALL MOUNT SPACE. ALL CONTRACTORS TO FOLLOW THIS ORDER OF PRIORITY:
1. STORM AND SANITARY SEWER LINES
2. DUCTWORK AND HVAC SYSTEMS
3. HOT AND COLD WATER LINES
4. RIGID CONDUIT
5. CABLE

THE PLUMBING CONTRACTOR TO ORGANIZE HIS PIPING IN ATTIC SPACES, CRAWL SPACES, AND ABOVE CEILINGS, MAKE RUNS PARALLEL, PERPENDICULAR, AND GROUPED TOGETHER WHERE POSSIBLE. LOCATE MAJOR GROUPINGS OVER HALLWAYS AND AREAS OF PUBLIC ACCESS IF POSSIBLE. FREE RUNS OF PIPING IS NOT ACCEPTABLE.

THE PLUMBING CONTRACTOR SHALL LAY OUT AND INSTALL HIS WORK IN ADVANCE OF POURING CONCRETE FLOORS OR WALLS. HE SHALL FURNISH ALL SLEEVES TO THE GENERAL CONTRACTOR FOR OPENINGS THROUGH POURED MASONRY FLOORS, OR WALLS, ABOVE GRADE REQUIRED FOR PASSAGE OF ALL PIPES TO SUPPORT HIS EQUIPMENT.

HORIZONTAL DRAINAGE AND WASTE PIPE SHALL HAVE A MINIMUM SLOPE OR FALL OF 1/8 INCH PER FOOT. ALL CHANGE OF HORIZONTAL DIRECTIONS IN SOIL WASTE PIPE SHALL BE MADE WITH LONG RADIUS FITTINGS WITH "Y" BRANCHES AND 1/8 OR 1/16 BENDS.
CHROME PLATED ESCUTCHEONS SHALL BE PROVIDED AT EACH WALL PENETRATION.

ESCUTCHEONS SHALL BE CHROME PLATED, SPRING TYPE, ON ALL PIPES PASSING THROUGH WALLS AND CEILINGS IN FINISHED AREAS. FLOOR ESCUTCHEONS SHALL BE CAST BRASS, CHROME PLATED, WITH SET SCREW.

ESCUTCHEONS SHALL BE OF SUFFICIENT SIZE TO COVER OUTSIDE DIAMETER OF THE PIPE OR THE INSULATION OF THE PIPE.

FLASHING FOR VENTS THROUGH THE ROOF SHALL BE TWO-PIECE TYPE, 16 OUNCE COPPER COUNTER FLASHING AND BASE FLASHING, OR A TWO-PIECE TYPE, 4 POUND LEAD COUNTER FLASHING AND BASE FLASHING. THE BASE FLASHING SHALL BE INSTALLED BY THE GENERAL CONTRACTOR WITH THE ROOF SYSTEM.

VENT FLASHING SHALL EXTEND DOWN AT LEAST 4 INCHES FROM THE TOP OF THE PIPE. FLASHING SHALL EXTEND AT LEAST 12 INCHES IN ALL DIRECTIONS FROM THE PIPE AND SHALL BE PARALLEL TO THE ROOF LINE.

ALL EQUIPMENT AND INSTALLED MATERIALS SHALL BE THOROUGHLY CLEAN AND FREE OF ALL DIRT, OIL, GRIT, GREASE, AND ETC.

ALL PLUMBING SYSTEMS AND EQUIPMENT SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE BUILDING FROM THE OWNER.

COLD AND HOT WATER PIPING ABOVE GRADE SHALL BE POLYETHELENE TUBING CONFORMING TO ASTM D3035 WITH APPROVED FITTINGS (UNIONS, STRAINERS, ETC.).

ALL HOT WATER PIPING SHALL BE INSULATED WITH 1 INCH THICK SECTIONAL INSULATION OR FIBROUS GLASS MATERIALS WITH FACTORY APPLIED COVER. COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE.

ALL COLD WATER PIPING SHALL BE INSULATED WITH 1/2 INCH THICK SECTIONAL INSULATION OR FIBROUS GLASS MATERIALS WITH FACTORY APPLIED COVER. COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE.

SANITARY HORIZONTAL WASTE, VENT PIPING, AND FITTINGS ABOVE GRADE SHALL BE SCHEDULE 40 PVC-DWV PIPE-CELLULAR CORE FROM CHARLOTTE PIPE AND FOUNDRY COMPANY OR APPROVED EQUAL, AND MUST MEET OR EXCEED THE REQUIREMENTS OF ASTM F-891, NSF STANDARD NO. 14, AND IAPMO IPC.

ALL WASTE STACK PIPING SHALL BE CAST IRON AND INSULATED FOR SOUND IN WALLS.

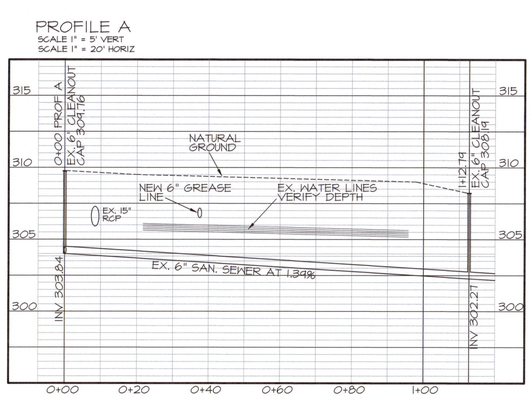
ALL WASTE AND STORM PIPING ABOVE CEILING, VERTICAL CHASES, WALLS SHALL BE INSULATED WITH 1/2 INCH THICK SECTIONAL INSULATION OR FIBROUS GLASS MATERIALS WITH FACTORY APPLIED COVER. COVER SHALL BE EMBOSSED VAPOR BARRIER, LAMINATED WITH PRESSURE SEALING CAP ADHESIVE. NO INSULATION REQUIRED IN CRAWL SPACE OR BELOW FLOOR SLAB OF ANY WASTE AND STORM PIPING.

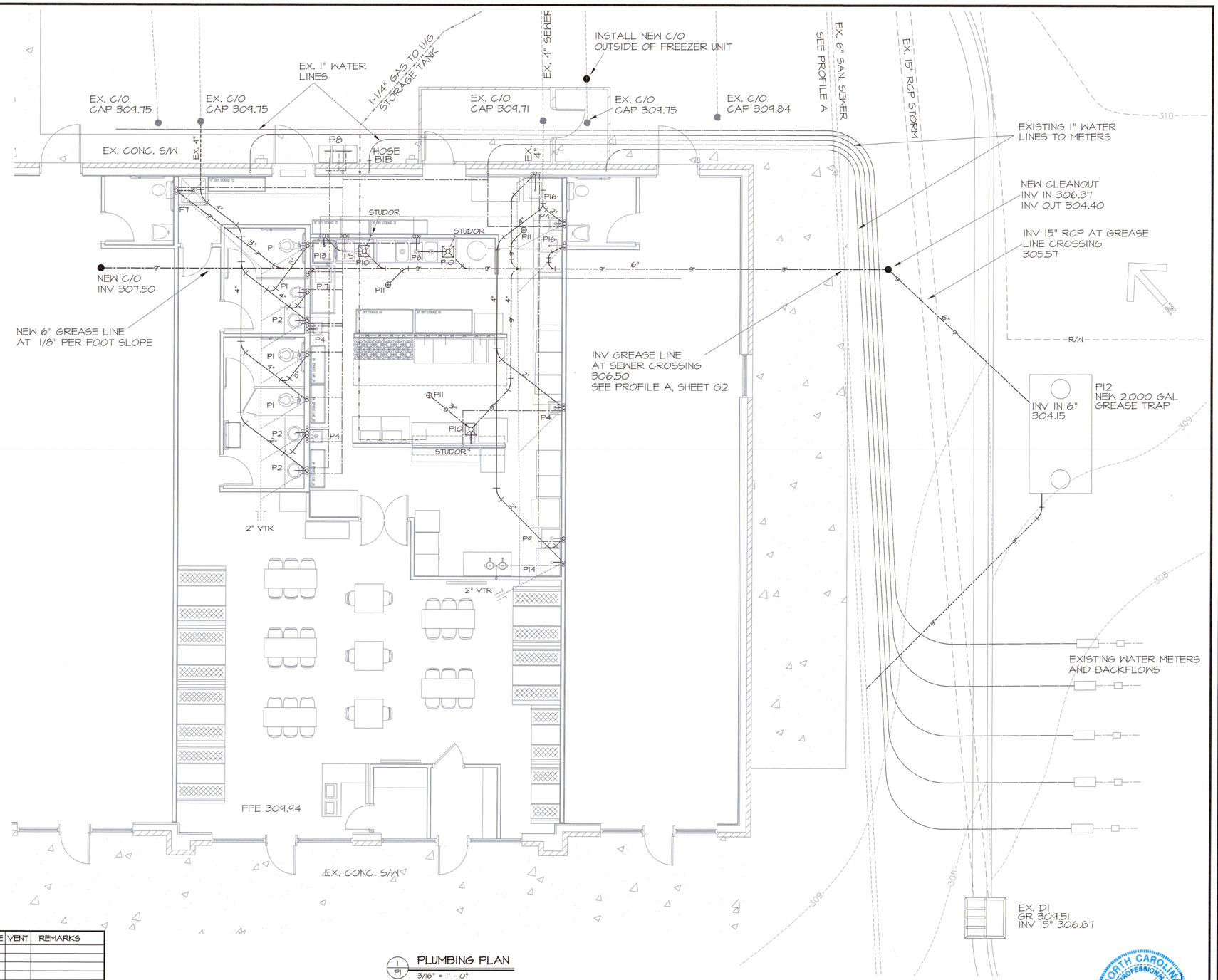
IN LIEU OF FIBERGLASS INSULATION, THE PLUMBING CONTRACTOR IS ALLOWED TO USE CLOSED CELL INSULATION, 1/2 INCH THICK ARMSTRONG/ARMAFLEX II ON ALL COLD WATER PIPES. RIGID URETHANE FOAM INSULATION, 1 INCH THICK ARMSTRONG/ARMALOK II ON ALL HOT WATER PIPING.

ALL PLUMBING EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

ALL FIXTURES, DRAINS, TRAPS, ETC. SHALL BE SET PLUMB AND LEVEL

ALL HANDICAPPED FIXTURES AND TRIM SHALL BE INSTALLED IN ACCORDANCE WITH THE NORTH CAROLINA PLUMBING CODE 2018 EDITION.





1 / P1 PLUMBING PLAN
3/16" = 1' - 0"

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFTR	MODEL #	ACCESSORIES	SUPPLY	WASTE	VENT	REMARKS
	GATE VALVE							
	COLD WATER PIPE							
	HOT WATER PIPE							
	VENT THROUGH ROOF							
	STUDOR VENT							
	VENT PIPE							
	PROPOSED NEW SANITARY SEWER							
	EXISTING SANITARY SEWER PIPE							
	PROPOSED NEW GREASE WASTE							
P1	TOILET WITH TANK (ADA)	EXISTING			3/4" C.W.	3"	2"	SEE PLAN FOR LOCATION
P2	WALL HUNG LAVATORY	EXISTING			3/4" C.W.	3"	2"	SEE PLAN FOR LOCATION
P3	URINAL	MANSFIELD	475	SLOANE 186XL FLUSH VALVE	1/2" C.W.	3"	2"	SEE PLAN FOR LOCATION
P4 (5)	HAND WASH SINK	EAGLE	HSA-10-F-LR5		1/2" H.W., C.W.	2"	1-1/2"	SEE PLAN FOR LOCATION
P5 (26)	SOILED DISHTABLE WITH SINK	EAGLE	BPSDT-48L-16/3		1/2" H.W., C.W.			SEE PLAN FOR LOCATION
P6 (31)	THREE COMPARTMENT SINK	EAGLE GROUP	516-20-3-18		1/2" H.W., C.W.	3"	1-1/2"	SEE PLAN FOR LOCATION
P7 (34)	CAN WASH/MOP SINK	SHAN	55-3636	MS-3811 FAUCET, MS-2497 HANGER	1/2" H.W., C.W.	3"	2"	SEE PLAN FOR LOCATION
P8	TANKLESS HOT WATER HEATERS	RENNAI	CUR98EN		1" C.W.	-		SEE PLAN FOR LOCATION
P9 (37)	FOUNTAIN BEVERAGE DISPENSER	PEPSI COLA	D1-2323 (6 VALVE)		1/2" C.W.	2"	1-1/2"	HUB DRAIN
P10	FLOOR SINK	JONES STEPHENS	544-044		-	2"	1-1/2"	SEE PLAN FOR LOCATION
P11	FLOOR DRAIN	SIOUX CHIEF	832	RD NICKEL-BRONZE RING/STRAINER	-	3"	-	SEE PLAN FOR LOCATION
P12	GREASE TRAP - 1,500 GALLON					4"	-	SEE PLAN FOR LOCATION
P13 (28)	DISHWASHER	AUTO-CHLOR	A4 WATER SAVER		1/2" H.W., C.W.	2"	1-1/2"	SEE PLAN FOR LOCATION
P14	ICE MAKER WITH BIN	HOSHIZAKI	KM-320MAH		1/2" H.W., C.W.	2"	1-1/2"	HUB DRAIN
P15	ICE BIN	BY OWNER			1/2" C.W.	2"		HUB DRAIN
P16 (15)	PREP TABLE WITH SINK	REGENCY	600ST3048LFT		1/2" H.W., C.W.	2"	1-1/2"	SEE PLAN FOR LOCATION
P17 (25)	CLEAN DISHTABLE WITH SINK	EAGLE	BPCDT-60R-16/3		1/2" H.W., C.W.	2"	1-1/2"	SEE PLAN FOR LOCATION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 11315 11-29-22 GEORGE M. ROSE

REVISIONS:
11-24-22 WATER AT BEV DISP

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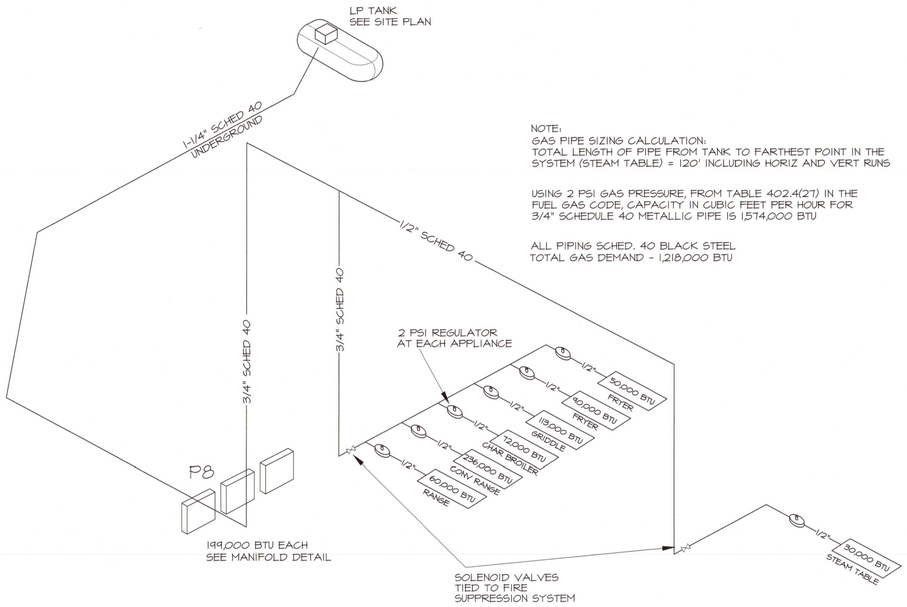
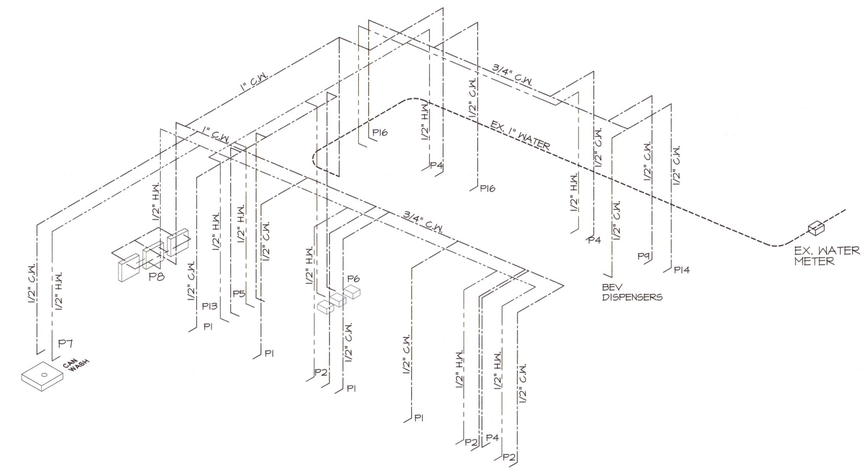


NOTE:
GAS PIPE SIZING CALCULATION:
TOTAL LENGTH OF PIPE FROM TANK TO FARTHEST POINT IN THE SYSTEM (STEAM TABLE) = 120' INCLUDING HORIZ AND VERT RUNS

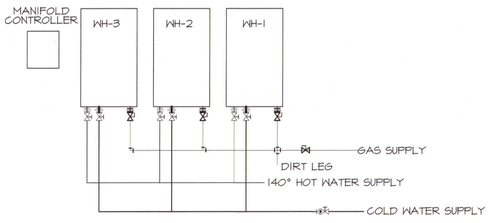
USING 2 PSI GAS PRESSURE, FROM TABLE 402.4(27) IN THE FUEL GAS CODE, CAPACITY IN CUBIC FEET PER HOUR FOR 3/4" SCHEDULE 40 METALLIC PIPE IS 1,574,000 BTU

ALL PIPING SCHED. 40 BLACK STEEL
TOTAL GAS DEMAND = 1,218,000 BTU

3/P2 GAS RISER
NO SCALE

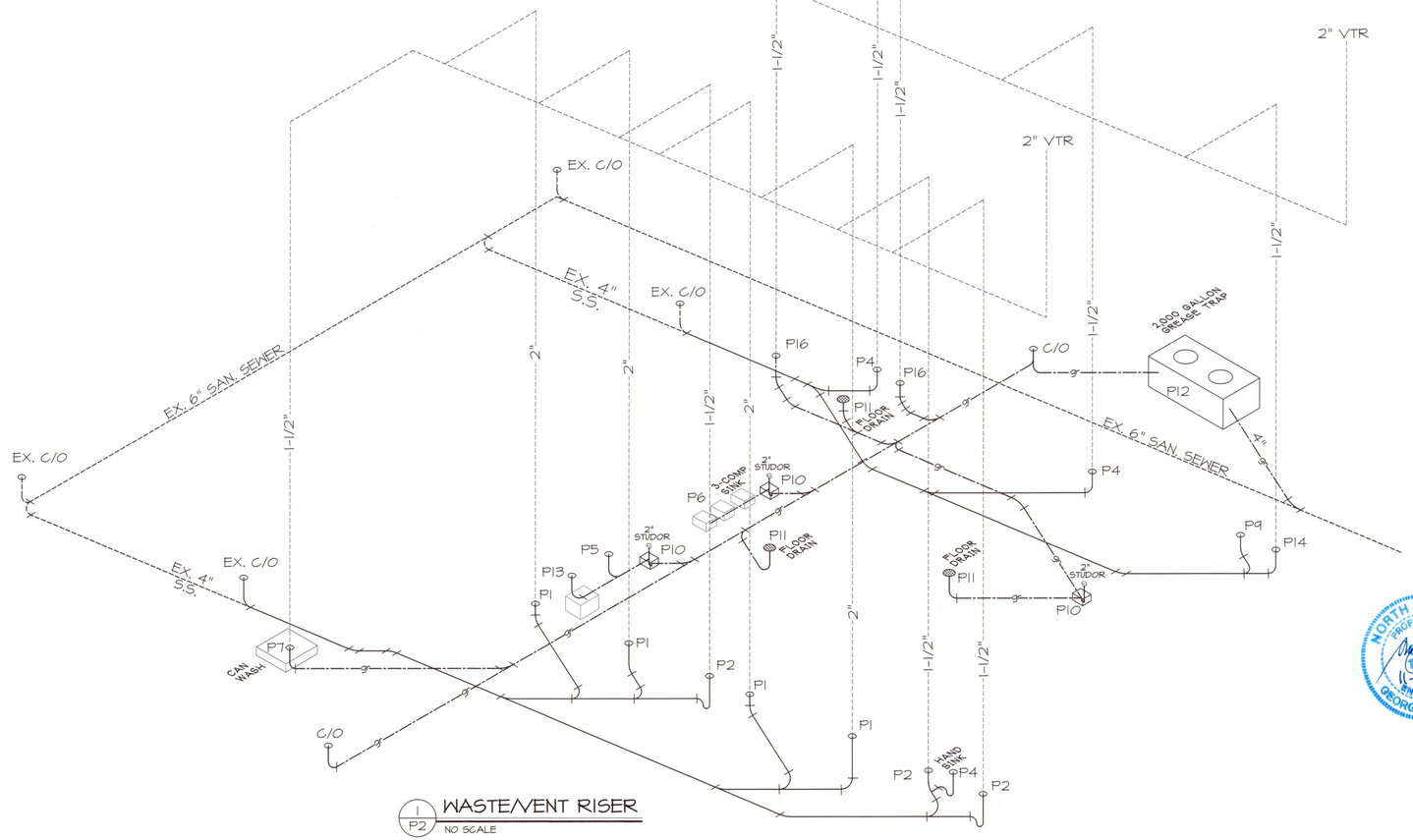


2/P2 WATER RISER
NO SCALE



ACTUAL PIPING MAY BE REVERSED TO SUIT CONDITIONS IN THE FIELD.

4/P2 WATER HEATER MANIFOLD
NO SCALE



1/P2 WASTE/VENT RISER
NO SCALE

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFTR	MODEL #	ACCESSORIES	SUPPLY	WASTE	VENT	REMARKS
	GATE VALVE							
	COLD WATER PIPE							
	HOT WATER PIPE							
	VENT THROUGH ROOF							
	STUDOR VENT							
	VENT PIPE							
	PROPOSED NEW SANITARY SEWER							
	EXISTING SANITARY SEWER PIPE							
	PROPOSED NEW GREASE WASTE							
P1	TOILET WITH TANK (ADA)	EXISTING			3/4" C.W.	3"	2"	SEE PLAN FOR LOCATION
P2	WALL HUNG LAVATORY	EXISTING			3/4" C.W.	3"	2"	SEE PLAN FOR LOCATION
P3	URINAL	MANSFIELD	475	SLOANE 186XL FLUSH VALVE	1/2" C.W.	3"	2"	SEE PLAN FOR LOCATION
P4 (5)	HAND WASH SINK	EAGLE	HSA-10-F-LRS		1/2" H.W. C.W.	2"	1-1/2"	SEE PLAN FOR LOCATION
P5 (26)	SOILED DISHTABLE WITH SINK	EAGLE	BPSDT-48L-16/3		1/2" H.W. C.W.			SEE PLAN FOR LOCATION
P6 (31)	THREE COMPARTMENT SINK	EAGLE GROUP	516-20-3-18		1/2" H.W. C.W.	3"	1-1/2"	SEE PLAN FOR LOCATION
P7 (34)	CAN WASH/MOP SINK	SHAN	55-3636	MS-5811 FAUCET, MS-2437 HANGER	1/2" H.W. C.W.	3"	2"	SEE PLAN FOR LOCATION
P8	TANKLESS HOT WATER HEATERS	RENNAI	CUMMEN		1" C.W.	-		SEE PLAN FOR LOCATION
P9 (31)	FOUNTAIN BEVERAGE DISPENSER	PEPSI COLA	DI-2323 (6 VALVE)		1/2" C.W.	2"	1-1/2"	HUB DRAIN
P10	FLOOR SINK	JONES STEPHENS	544-044		-	2"	1-1/2"	SEE PLAN FOR LOCATION
P11	FLOOR DRAIN	SIOUX CHIEF	882	RD NICKEL-BRONZE RING/STRAINER	-	3"	-	SEE PLAN FOR LOCATION
P12	GREASE TRAP - 1500 GALLON				-	4"	-	SEE PLAN FOR LOCATION
P13 (26)	DISHWASHER	AUTO-CHLOR	A4 WATER SAVER		1/2" H.W. C.W.	2"	1-1/2"	SEE PLAN FOR LOCATION
P14	ICE MAKER WITH BIN	HOSHIZAKI	KM-320MAH		1/2" H.W. C.W.	2"	1-1/2"	HUB DRAIN
P15	ICE BIN	BY OWNER			1/2" C.W.	2"		HUB DRAIN
P16 (15)	PREP TABLE WITH SINK	REGENCY	600ST3048LFT		1/2" H.W. C.W.	2"	1-1/2"	SEE PLAN FOR LOCATION
P17 (25)	CLEAN DISHTABLE WITH SINK	EAGLE	BPCDT-60R-16/3		1/2" H.W. C.W.	2"	1-1/2"	SEE PLAN FOR LOCATION

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 11315 11-29-22 GEORGE M. ROSE

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SHEET NO.
P2

ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 NC MECHANICAL CODE.

ALL DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL IN ACCORDANCE WITH ASHRAE & SMACNA. DUCT SIZES SHOWN ARE NET FREE AREA REQUIRED. ALL SUPPLY AND RETURN DUCTS AND FLEX SHALL BE INSULATED WITH MIN. R-6.0 INSULATION UNLESS OTHERWISE NOTED IN THE DRAWING.

ALL EXPOSED ROUND DUCT SHALL BE DOUBLE WALL INSULATED. EXPOSED RECTANGULAR DUCT SHALL BE INTERNALLY LINED WITH INSULATION

ALL DUCTS SHALL BE AIR TIGHT, RIGID AND FREE FROM VIBRATION AND NOISE. ALL LAP JOINTS SHALL BE IN THE DIRECTION OF FLOW. VOLUME OR SPLITTER DAMPERS SHALL BE INSTALLED WHERE NECESSARY TO GUIDE AND CONTROL THE AIR FLOW. PROVIDE SHEET METAL SLEEVES AND COLLARS WHERE DUCTS PASS THROUGH WALLS.

STRUCTURAL MEMBERS OF THE BUILDING SHALL NOT BE CUT IN ANY MANNER FOR THE INSTALLATION OF ANY EQUIPMENT UNLESS PRIOR APPROVAL IS OBTAINED FROM THE ARCHITECT.

MECHANICAL CONTRACTOR TO CONFIRM BREAKER/DISCONNECT SIZES OF HIS EQUIPMENT WITH THE ELECTRICAL CONTRACTOR.

FURNISH AND INSTALL A DUCT MOUNTED SMOKE DETECTOR IN THE RETURN DUCT OF THE A/C UNIT IN ACCORDANCE WITH 2018 NC MECHANICAL CODE. THE DETECTOR SHALL BE WIRED TO SHUT DOWN THE FAN IN THE EVENT THE DETECTOR IS ACTIVATED. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THE DUCT DETECTOR AND RUN THE NECESSARY CONTROL WIRING FROM THE DETECTOR TO HIS EQUIPMENT. SMOKE DETECTORS ARE ONLY REQUIRED FOR UNITS SUPPLYING 2000 CFM OR MORE.

MECHANICAL CONTRACTOR SHALL PROVIDE A TEST AND BALANCE REPORT SYSTEM COMPLIANCE STATEMENT REQUIRES A WRITTEN T&B REPORT. FINAL PROJECT SIGNOFF WILL BE DENIED WITHOUT THIS REPORT

MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS AND ROUTING OF ALL DUCTWORK WITH OTHER TRADES TO AVOID CONFLICTS.

ALL EQUIPMENT MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE OF DEFECTS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK OR IN ACCORDANCE WITH THE PARTICULAR MANUFACTURER'S STANDARD GUARANTEE IF LONGER. ANY FAULTY MATERIAL OR WORKMANSHIP OR FAILURE OF ANY PART OF THE SYSTEM DURING NORMAL OPERATIONS UNDER THIS GUARANTEE SHALL BE CORRECTED WITHOUT COST TO THE OWNER.

ALL THERMOSTATS SHALL BE OF A PROGRAMMABLE TYPE.

BUILDING CONTRACTOR SHALL PROVIDE PERMANENT ACCESS TO ROOF STRUCTURE FOR ACCESS TO MECHANICAL EQUIPMENT WHEN ROOF STRUCTURE IS GREATER THAN 16'-0" HIGH.

1/M1 **HVAC NOTES**
N.T.S.

APPENDIX B 2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone 3A-CUMBERLAND

winter dry bulb: 27°
summer dry bulb: 91°

Interior design conditions

winter dry bulb: 75°
summer dry bulb: 75°
relative humidity: 50%

Building heating load: 111,277 BTU

Building cooling load: 77,293 BTU

Mechanical Spacing Conditioning System

Unitary

description of unit: SINGLE PACKAGED HEAT PUMP
heating efficiency: HSPF-8.0
cooling efficiency: SEER-14.0
size category of unit: <65,000 BTU/H

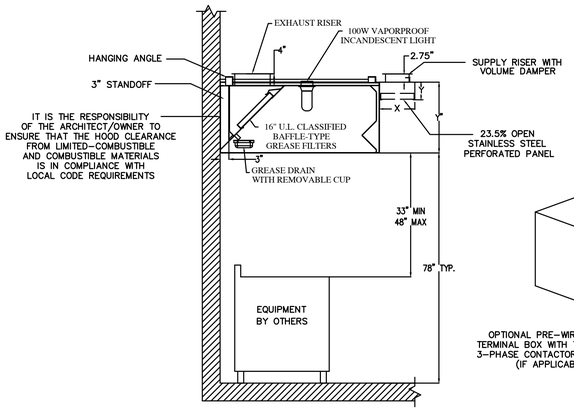
Boiler

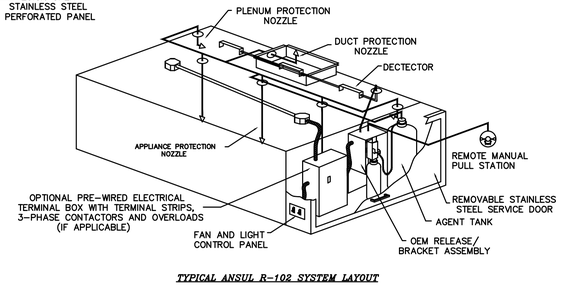
Size category. If oversized, state reason.: _____

Chiller

Size category. If oversized, state reason.: _____

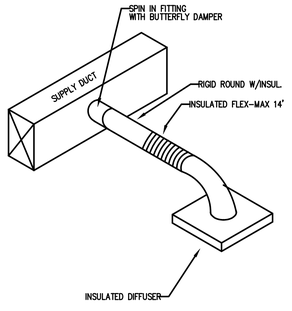
List equipment efficiencies: _____



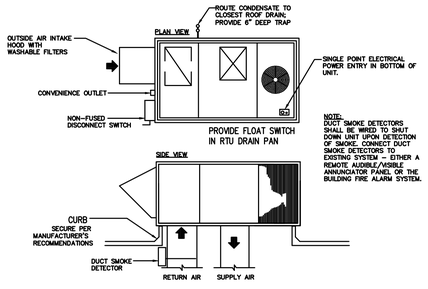


TYPICAL ANSUL R-102 SYSTEM LAYOUT

2/M1 **KITCHEN HOOD DETAILS**
N.T.S.



3/M1 **DIFFUSER TAKEOFF DETAIL**
N.T.S.



4/M1 **PACKAGE UNIT DETAIL**
N.T.S.

OUTSIDE AIR CALCULATION -2018 NC MECHANICAL CODE (TABLE 403.3) Vbz = RpPz + RaAz							
RTU-1,2	OCCUPANCY TYPE:	SF (Az)	# OF OCCUPANTS (Pz)	O.A. CFM PER PERSON (Rp)	O.A. CFM PER SF (Ra)	O.A. CFM REQUIRED (Vbz)	EXHAUST CFM REQUIRED
	WOMEN	131	–	–	–	–	140
	MEN	91	–	–	–	–	140
	DINING AREA	1144	80	7.5	0.18	806	–
	OFFICE	37	1	5	0.06	8	–
	HALL	110	–	–	0.06	7	–
	AIRLOCK	50	1	5	0.06	8	–
						TOTAL CFM REQUIRED 829	TOTAL EXHAUST REQUIRED 280
						TOTAL O.A. CFM FURNISHED 829	TOTAL EXHAUST FURNISHED 280
RTU-3	OCCUPANCY TYPE:	SF (Az)	# OF OCCUPANTS (Pz)	O.A. CFM PER PERSON (Rp)	O.A. CFM PER SF (Ra)	O.A. CFM REQUIRED (Vbz)	EXHAUST CFM REQUIRED
	STORAGE	233	–	–	0.12	42	–
	KITCHEN	853	–	–	–	–	597
						TOTAL CFM REQUIRED 42	TOTAL EXHAUST REQUIRED 597
						TOTAL O.A. CFM FURNISHED 300	TOTAL EXHAUST FURNISHED (HOOD)

Nov 21, 2022

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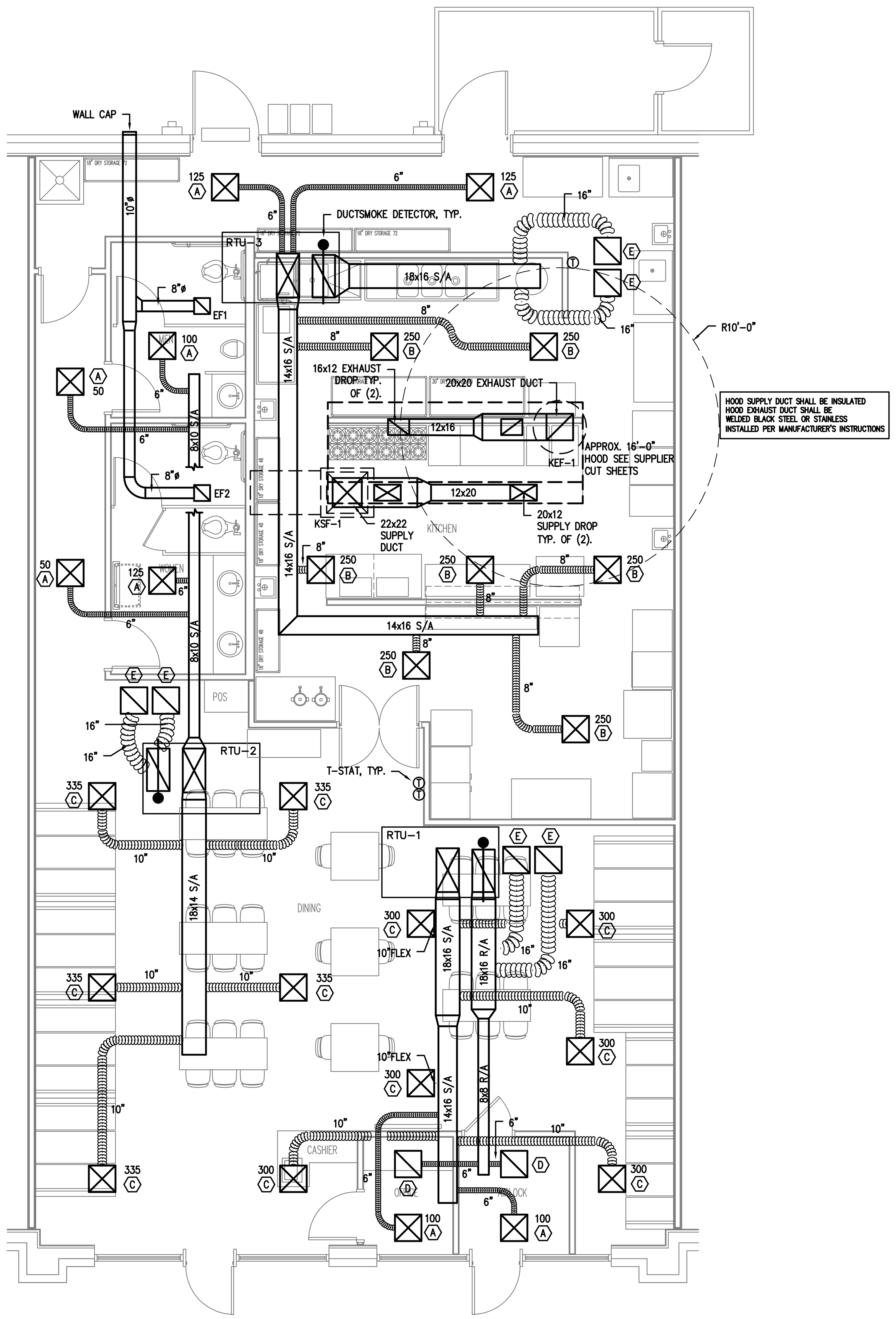
EL BURRITO
MEXICAN RESTAURANT
6743 OVERHILLS ROAD
SPRING LAKE, NORTH CAROLINA

PROJECT NO: 2022-157
DRAWN BY: WJ/ML
DATE: CSL
REVISIONS: 11-18-22

SHEET NO:
M-1



1/M2 HVAC PLAN
3/16"=1'

HOOD FAN SCHEDULE

MARK	LOCATION	SERVICE	CFM	S.P.	HP	RPM	VOLT	PHASE	DRIVE	REMARKS
KEF1	ROOF	HOOD	3933	1.0"	1.39	1271	208	1	BELT	ROOF MTD. EXHAUST FAN CAPTIVEAIRE NCA16FA VERIFY WITH SUPPLIER
KSF1	ROOF	HOOD	3147	.75"	1.18	796	208	1	BELT	ROOF MTD. MAKEUP FAN CAPTIVEAIRE A2-G12 VERIFY WITH SUPPLIER

ROOFTOP UNIT SCHEDULE

													CAPACITIES						
UNIT NO.	TOTAL CFM	O.A. CFM	EXT. S.P.	EVAP. FAN HP	COMPRESSOR AMPS	NO. OF COMPR.	FAN AMPS	NO. OF FANS	UNIT MCA	UNIT MOCP	UNIT VOLT	UNIT PHASE	GROSS COOLING	SEER	HEATING HIGH	HEATING LOW	REMARKS	REFRIG.	UNIT NET WEIGHT
RTU-1	2000	415	0.50"	1.0	17.5	1	1.5	1	63	70	208	3	61,000	14.0	59,000	35,000	TRANE WSC060H3 SINGLE PACKAGED CONVERTIBLE HEAT PUMP WITH 9KW STRIPS GFI RECEPT	R410A	425 LBS.
RTU-2	2000	415	0.50"	1.0	17.5	1	1.5	1	63	70	208	3	61,000	14.0	59,000	35,000	TRANE WSC060H3 SINGLE PACKAGED CONVERTIBLE HEAT PUMP WITH 9KW STRIPS GFI RECEPT	R410A	425 LBS.
RTU-3	2000	300	0.50"	1.0	17.5	1	1.5	1	63	70	208	3	61,000	14.0	59,000	35,000	TRANE WSC060H3 SINGLE PACKAGED CONVERTIBLE HEAT PUMP WITH 9KW STRIPS GFI RECEPT	R410A	425 LBS.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	RECTANGULAR CEILING MOUNTED S/A DIFFUSER
	RECTANGULAR CEILING MOUNTED R/A OR EXHAUST GRILLE
	RUNNOUT TO DIFFUSER W/VOLUME DAMPER AND CONE EXTRACTOR
	90 DEG. ELBOW W/ TURINING VANES
---C---	CONDENSATE DRAIN PIPING
---R---	REFRIGERANT PIPING
Ⓣ	HEATING AND COOLING THERMOSTAT. MOUNT 5'-0" A.F.F. AUTOMATIC CHANGEOVER.
S	SYSTEM EMERGENCY SHUT-OFF SWITCH (RED LABELED)
S_D	DUCT SMOKE DETECTOR – FURNISHED BY M.C., INSTALLED BY M.C., WIRED BY M.C.
S/A	SUPPLY AIR
R/A	RETURN AIR
O/A	OUTSIDE AIR
S/D	SPLITTER DAMPER
M.D.	MANUAL DAMPER WITH LOCKING QUADRANTS
B.D.D.	BACKDRAFT DAMPER
A.F.F.	ABOVE FINISHED FLOOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
	CEILING FIRE/RADIATION DAMPER
	VERTICAL FIRE DAMPER
	DUCTSMOKE DETECTOR

FAN SCHEDULE

MARK	LOCATION	SERVICE	CFM	S.P.	WATTS	RPM	VOLT	PHASE	DRIVE	REMARKS
EF1 – EF2	CEILING	TOILETS	140	0.1"	128	1050	120	1	DIRECT	CEILING MOUNTED FAN. PROVIDE W/B.D.D. AND WALL CAP GREENHECK SP-B150 OR EQ. 8" FLEX TO ROOF/WALL CAP

AIR BALANCE SCHEDULE

ID	TOTAL AIR	RECIRC. AIR	O/S AIR	EXH. CFM	MUA
RTU-1	2000	1585	415		
RTU-2	2000	1585	415		
RTU-3	2000	1700	300		
HOOD EX.				3933	
HOOD SU.					3147
TOTALS			+1130	-3933	+3147
BUILDING PRESSURIZATION +355 CFM					

LAY-IN DIFFUSER/RETURN SCHEDULE

MARK ON PLANS	CFM	AIR PATTERN	NECK SIZE	RUNOUT SIZE	REMARKS
A	50-125	4 WAY	6 X 6	6"	PRICE SERIES ASCD OFF WHITE, ALUM.,
B	150-275	4 WAY	8 X 8	8"	PRICE SERIES ASCD OFF WHITE, ALUM.,
C	300-400	4 WAY	10 X 10	10"	PRICE SERIES ASCD OFF WHITE, ALUM.,
D		N/A	12 X 12	SEE PLAN	PRICE SERIES 630 OFF WHITE, ALUM., RETURN
E		N/A	20 X 20	SEE PLAN	PRICE SERIES 630 OFF WHITE, ALUM., RETURN

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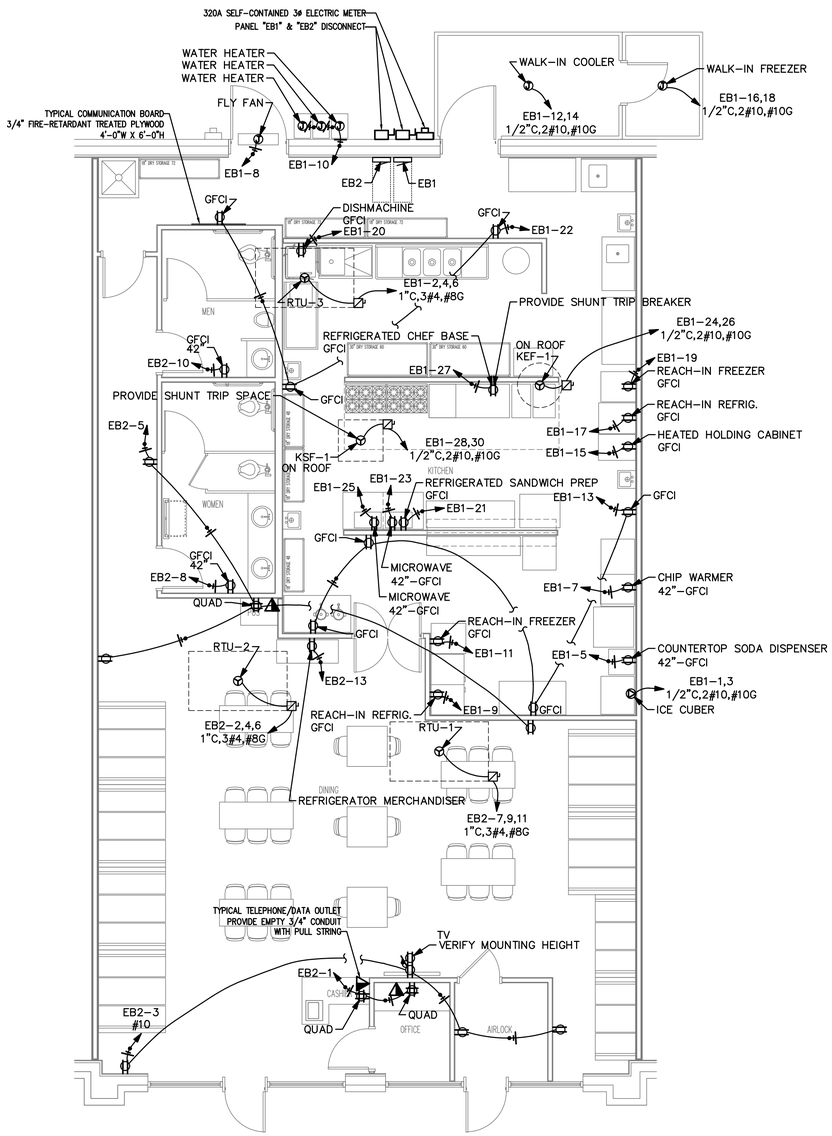
CONTRACTOR SHALL VERIFY ALL KITCHEN EQUIPMENT POWER REQUIREMENTS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES AND ALL RECEPTACLES WITH KITCHEN EQUIPMENT PLANS PRIOR TO DOING WORK. ADJUST CIRCUIT AMPACITIES/WIRE SIZE ACCORDINGLY.



1 / E1 **POWER PLAN**
3/16"=1'-0"

EB1

ROOM
MOUNTING FLUSH
FED FROM UTILITY
NOTE

VOLTS 208Y/120V 3P 4W
BUS AMPS 200
NEUTRAL 100%

AIC 22,000
MAIN BKR 200
LUGS STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C
1	15/2	ICE CUBER	1.22			2	70/3	RTU-3	5.86		
3	|			1.22		4	|			5.86	
5	20/1	COUNTERTOP SODA DISPENSER			0.384	6	|				5.86
7	20/1	CHIP WARMER	1.5			8	20/1	FLY FAN	0.528		
9	20/1	REACH-IN REFRIG.		0.9		10	20/1	WATER HEATER		1.44	
11	20/1	REACH-IN FREEZER			1.02	12	20/2	WALK-IN COOLER			2.04
13	20/1	KITCHEN GFCI RECEPTACLE	0.72			14	|		2.04		
15	20/1	HEATED HOLDING CABINET		1.44		16	20/2	WALK-IN FREEZER		1.2	
17	20/1	REACH-IN REFRIG.			0.864	18	|				1.2
19	20/1	REACH-IN FREEZER	1.02			20	20/1	DISHMACHINE	1.92		
21	20/1	REFRIGERATED SANDWICH PREP		0.864		22	20/1	KITCHEN GFCI RECEPTACLE		0.54	
23	20/1	MICROWAVE			1.5	24	20/2	KEF-1			1.2
25	20/1	MICROWAVE	1.5			26	|		1.2		
27	20/1	REFRIGERATED CHEF BASE		0.396		28	20/2	KSF-1		1.2	
29	-/1	SHUNT TRIP SPACE			0	30	|				1.2
31	20/1	SPACE	0			32	-/1	SHUNT TRIP SPACE	0		
33	20/1	SPACE		0		34	20/1	KITCHEN LIGHTING		1.04	
35	20/1	SPACE			0	36	20/1	SPACE			0
37	20/1	SPACE	0			38	20/1	SPACE	0		
39	20/1	SPACE		0		40	20/1	SPACE		0	
41	20/1	SPACE			0	42	20/1	SPACE			0
								TOTAL CONNECTED KVA BY PHASE	17.5	16.1	15.3

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LIGHTING	1.04	1.3	(125%)	KITCHEN EQUIPMENT	17.7	11.5	(65%)
LARGEST MOTOR	6.3	1.58	(25%)	NONCONTINUOUS	6.48	6.48	(100%)
MOTORS	4.8	4.8	(100%)	HEATING	17.6	17.6	(100%)
RECEPTACLES	1.26	1.26	(50%>10)	COOLING	8.59	0	(0%)
				TOTAL LOAD		44.5	
				BALANCED 3-PHASE LOAD		124 A	

EB2

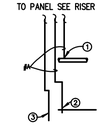
ROOM
MOUNTING FLUSH
FED FROM UTILITY
NOTE

VOLTS 208Y/120V 3P 4W
BUS AMPS 200
NEUTRAL 100%

AIC 22,000
MAIN BKR 200
LUGS STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C
1	20/1	CASHIER/OFFICE RECEPTACLE	0.72			2	70/3	RTU-2	5.86		
3	20/1	DINING/TV/AIRLOCK RECEPTACLE		0.9		4	|			5.86	
5	20/1	DINING/CORRIDOR RECEPTACLE			0.9	6	|				5.86
7	70/3	RTU-1	5.86			8	20/1	WOMEN'S TOILET GFCI RECEPTACLE	0.18		
9	|			5.86		10	20/1	MEN'S TOILET GFCI RECEPTACLE		0.18	
11	|				5.86	12	20/1	DINING/MEN/WOMEN/OFFICE/AIRLOCK EF-1, EF-2, LIGHTING			1.23
13	20/1	REFRIGERATOR MERCHANDISER	1.18			14	20/1	SPACE	0		
15	20/1	SPACE		0		16	20/1	SPACE		0	
17	20/1	SPACE			0	18	20/1	SPACE			0
19	20/1	SPACE	0			20	20/1	SPACE	0		
21	20/1	SPACE		0		22	20/1	SPACE		0	
23	20/1	SPACE			0	24	20/1	SPACE			0
25	20/1	SPACE	0			26	20/1	SPACE	0		
27	20/1	SPACE		0		28	20/1	SPACE		0	
29	20/1	SPACE			0	30	20/1	SPACE			0
31	20/1	SPACE	0			32	20/1	SPACE	0		
33	20/1	SPACE		0		34	20/1	SPACE		0	
35	20/1	SPACE			0	36	20/1	SPACE			0
37	20/1	SPACE	0			38	20/1	SPACE	0		
39	20/1	SPACE		0		40	20/1	SPACE		0	
41	20/1	SPACE			0	42	20/1	SPACE			0
								TOTAL CONNECTED KVA BY PHASE	13.8	12.8	13.9

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LIGHTING	0.97	1.21	(125%)	RECEPTACLES	2.88	2.88	(50%>10)
LARGEST MOTOR	6.3	1.58	(25%)	NONCONTINUOUS	1.18	1.18	(100%)
MOTORS	0.256	0.256	(100%)	HEATING	35.2	35.2	(100%)
				COOLING	17.2	0	(0%)
				TOTAL LOAD		42.3	
				BALANCED 3-PHASE LOAD		117 A	



TYPICAL GROUNDING

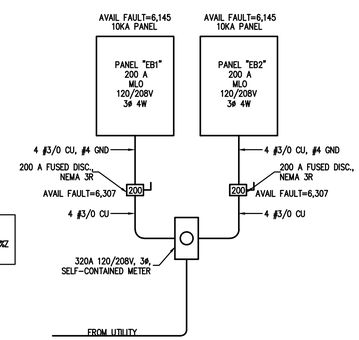
GROUNDING ELECTRODE DETAILS

GROUNDING ELECTRODE CONDUCTORS SHALL BE #1/0 BARE COPPER. OTHER MATERIAL AND INSTALLATION PER NEC

1. CONNECT TO METALIC WATER PIPE AS REQ'D.
2. #4 COPPER GROUND PLACED TO BLDG STEEL
3. 3/4"x10' LONG COPPER CLAD GROUNDING ROD W/ #6 COPPER GROUND.

A = #4 CU PANEL EB1
A = #4 CU PANEL EB2

AVAILABLE FAULT CALCULATIONS
150'-0" 4 RUNS OF 4 #1/0 AL TO
150 KVA PADMOUNT TRANSFORMER 4.3%Z
4,756A AT METER



2 / E1 **ELECTRIC RISER**
N.T.S.

Nov 21, 2022

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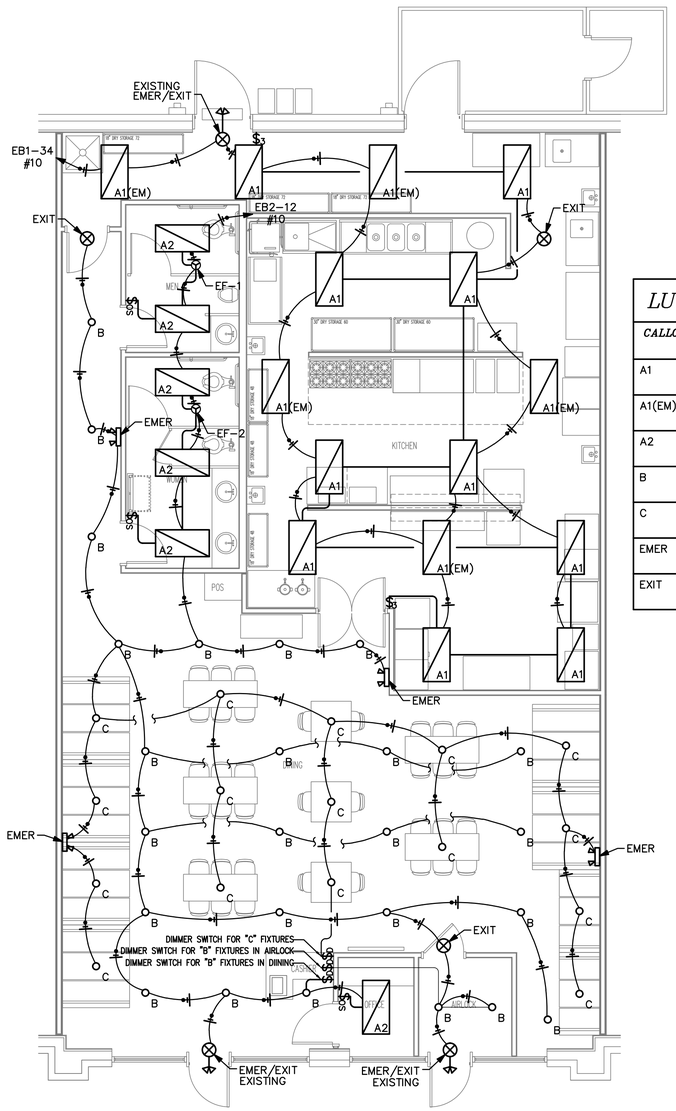
E-1

$3 3-WAY WALL MOUNTED LIGHT SWITCH
$D WALL MOUNTED DIMMER SWITCH
$OS WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH



1/E2 LIGHTING PLAN
3/16"=1'–0"

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTE 1	NOTE 2	LUMENS / LAMP
A1	▨	(1) LED	2' X 4' LED TROFFER	ELECTRONIC	RECESSED	METALUX 24GR–LD5–90–F1–UNV–L840–CD1–U OR EQUAL	69.1	120V 1P 2W			9000
A1(EM)	▨	(1) LED	2' X 4' LED TROFFER WITH EMERGENCY BATTERY PACK	ELECTRONIC	RECESSED	METALUX 24GR–LD5–90–F1–UNV–EL14W–L840–CD1–U OR EQUAL	69.1	120V 1P 2W			9000
A2	▨	(1) LED	2' X 4' LED TROFFER	ELECTRONIC	RECESSED	METALUX 24GR–LD5–42–F1–UNV–L840–CD1–U OR EQUAL	34.5	120V 1P 2W			4200
B	○	(1) LED	6" LED DOWNLIGHT	ELECTRONIC	RECESSED	COOPER HALO HC620D010–HM60525840–61WDC OR EQUAL	20.9	120V 1P 2W	IC RATED		2000
C	○	(1) LED	LED PENDANT	ELECTRONIC	PENDANT	AS SELECTED BY OWNER, $250 ALLOWANCE	14	120V 1P 2W			1000
EMER	⊏	(2) LED	SQUARE HEAD LED EMERGENCY LIGHT	ELECTRONIC	WALL/CEILING	METALUX AP2SQLED OR EQUAL	1.8	120V 1P 2W	NICKEL CADMIUM 90 MINUTE BATTERY	DAMP LOCATION LISTED	0
EXIT	⊗	(1) 1W LED	LED EMERGENCY EXIT	ELECTRONIC	WALL/CEILING	METALUX APX7R OR EQUAL	1	120V 1P 2W	90 MINUTE NICKEL CADMIUM BATTERY	WITH TEST SWITCH AND POWER INDICATOR	0

ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

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

Lighting schedule (each fixture type) SEE LUMINAIRE SCHEDULE SHEET E2

lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space) 1,990 WATTS SPECIFIED / 2,614 WATTS ALLOWED
total exterior wattage specified vs. allowed

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)

☐ C406.2 More Efficient HVAC Equipment Performance
☒ C406.3 Reduced Lighting Power Density
☐ C406.4 Enhanced Digital Lighting Controls
☐ C406.5 On-Site Renewable Energy
☐ C406.6 Dedicated Outdoor Air System
☐ C406.7 Reduced Energy Use in Service Water Heating

CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY FOR SERVICE. A COMPLETE AND WORKING SYSTEM IS REQUIRED FOR COMPLIANCE WITH THESE DOCUMENTS. DETERMINE THE POINT OF CONNECTION TO THE UTILITY WITH THE UTILITY REPRESENTATIVE AND PROVIDE ACCORDINGLY FOR A COMPLETE WORKING SYSTEM.

WIRE AND CABLE SHALL BE INSULATED, TYPE THWN OR THHN, 600 VOLTS, WITH COPPER CONDUCTORS. CONDUCTOR SIZES NO. 8 AWG AND LARGER MAY BE STRANDED. CONDUCTORS SIZES NO. 10 AWG AND SMALLER MAY BE SOLID OR STRANDED. NO ROMEX PERMITTED.

EMT SHALL BE GALVANIZED STEEL TUBING, 1/2–INCH MINIMUM SIZE, EQUAL TO ELECTRUNITE BRAND OR APPROVED AND USED ONLY WITH HEXAGONAL ALL STEEL COMPRESSION FITTINGS.

PLASTIC CONDUIT SHALL BE RIGID, 3/4–INCH MINIMUM NON–METALLIC, HEAVY DUTY, HIGH IMPACT, POLYVINYLCHLORIDE (PVC), TYPE I WILL BE USED FOR CONCRETE ENCASEMENT. FITTINGS SHALL BE THE SAME MATERIALS AND MANUFACTURER AS THE PLASTIC CONDUIT.

FLEXIBLE METAL CONDUIT SHALL BE 1/2– INCH MINIMUM SINGLE STRIP, STEEL, HOT DIPPED GALVANIZED INSIDE AND OUTSIDE, MAXIMUM LENGTH 72 INCHES FOR LIGHTING AND 36" FOR MOTORS. FLEXIBLE METAL CONDUIT SHALL BE LIQUIDTIGHT OR WATERTIGHT WITH PVC JACKET WHERE USED IN DAMP, WET OR OUTSIDE AREAS, AND LIQUIDTIGHT OR WATERTIGHT CONNECTORS SHALL BE USED.

NO RECEPTACLES OR TEL. OUTLETS TO BE MOUNTED BACK TO BACK, KEEP AT LEAST 2 INCHES BETWEEN RECEPTACLES AND TEL. OUTLETS.

ALL CONDUCTOR SHALL BE COPPER WITH A MINIMUM SIZE OF #12 AWG EXCEPT FOR FIRE ALARM. THESE CONDUCTORS SHOULD COMPLY WITH NFPA.

CONTRACTOR SHALL ALIGN FIXTURES, SMOKE DETECTORS, CEILING DIFFUSERS ETC. AS REQUIRED TO PROVIDE A UNIFORM PRESENTATION. AT NO TIME WILL AN IONIZATION DETECTOR BE LOCATED WITHIN 3'–0" OF A SUPPLY OR RETURN AIR GRILLE.

CIRCUIT BREAKERS AND WIRE ARE SIZED FOR SPECIFIC EQUIPMENT. BEFORE ORDERING WIRE, BREAKERS AND CONDUIT FOR THIS PROJECT THE CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS ON THE JOB AND VERIFY THE ELECTRICAL DATA FOR THE EQUIPMENT WHICH WILL ACTUALLY BE INSTALLED, RECOMPUTING WIRE AND BREAKER SIZES IF REQUIRED BY THE NEC.

ALL CONDUIT TERMINATING IN THE CEILING CAVITIES IS TO BE LABELED.

ALL CONDUIT SHALL BE COLOR CODED WITH 1/2" WIDE TAPE, 10'–0" ON CENTER IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE.

THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVIEWED AND COORDINATED WITH THE ARCHITECT AND OWNER, PRIOR TO INSTALLATION, FOR USE WITH ACTUAL EQUIPMENT.

EACH CONTRACTOR WILL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER/ARCHITECT. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL REPLACED AT THE REQUEST OF THE ENGINEER/ARCHITECT AT THE CONTRACTORS EXPENSE.

THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS.

THE CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO THE INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE.

ALL FUSES DISCONNECT SWITCHES AND BREAKER SIZES SHOWN FOR MECHANICAL EQUIPMENT SHALL BE VERIFIED BEFORE PURCHASE AND INSTALLATION OF SAID EQUIPMENT WITH THE EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.

WHERE EQUIPMENT PENETRATES EXTERIOR WALL OR ROOF THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ARCHITECT/ENGINEER.

ALL WORK IS TO BE DONE IN STRICT COMPLIANCE WITH THE LATEST VERSION OF THE NEC AND APPLICABLE STATE CODES

RECESSED FIXTURES INSTALLED IN RATED ASSEMBLIES SHALL BE INSTALLED WITH AN ENCLOSURE SO AS TO MAINTAIN THE RATING OF ASSEMBLY

2/E2 ELECTRICAL NOTES
N.T.S.

Nov 21, 2022

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REVISIONS:

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