## 2018 APPENDIX B BUILDING CODE SUMMARY

Name of Project: SHOPPES A	T SUMMIT – EL BUR	RRITO RESTAURAN	NT
Address: 1625 BUFFALO LA			
Owner/Authorized Agent: <b>BRIA</b> Owned By:	AN DeLONG Phone City/County	# (336) 667-8000 Private	E-Mail: brian@vpdevelopment.com  State
Code Enforcement Jurisdiction:	City	County - HAR	NETT State

CONTACT	: ANDREW W. PRIVETT	E			
DESIGNER	FIRM	NAME	LICENSE	TELEPHONE	E-MAIL
Architectural	DESIGNED TO BUILD	ANDY PRIVETTE	3877	(910)485-8567	andy@designedtobuild.com
Civil	N/A				
Electrical	COASTAL PLAINS ENGR	CHRIS LOCKLEAR	20193	(910)521-7213	coastalplainseng@gmail.con
Fire Alarm	N/A				
Plumbing	COASTAL PLAINS ENGR	CHRIS LOCKLEAR	20193	(910)521-7213	coastalplainseng@gmail.con
Mechanical	COASTAL PLAINS ENGR	CHRIS LOCKLEAR	20193	(910)521-7213	coastalplainseng@gmail.con
Sprinkler- Standpipe	N/A				
Structural	N/A				
Retaining Wal	ls >5' High N/A				

2018 NC BUILDING CODE: New Building	g Shell/Core 1st Time Interior Completions
Addition	Phased Construction-Shell Core
2018 NC EXISTING BUILDING CODE:	☐ Prescriptive ☐ Alteration Level 1 ☐ Historic Property
	☐ Repair ☐ Alteration Level 2 ☐ Change of Use
	☐ Chapter 14 ☐ Alteration Level 3
CONSTRUCTED: (date)	CURRENT OCCUPANCY(S) (Ch. 3):
RENOVATED: (date)	PROPOSED OCCUPANCY(S) (Ch. 3):
OCCUPANCY CATEGORY (Table 1604.5):	Current: Proposed:

OCCUPANCY CATE	GORY (Table 1604		Pro	posea:	69	
BASIC BUILDING DA	ATA					
Construction Type:	□ I-A □ V-A	☐ II-A	☐ III-A	□IV		
	□ I-B □ V-B	□ II-B	☐ III-B			
Sprinklers: No	☐ Partial	☐ NFPA 13	☐ NFPA 13R	☐ NFPA 13	D	
Standpipes: No	Class 🔲 I		☐ Wet ☐ Dr	y		
<b>Primary Fire District:</b>	⊠ No	Yes	Flood Hazai	rd Area:	⊠ No	☐ Yes
Special Inspections Rec	quired: 🛛 No	Yes				

FLOOR	EXISTING (SQ FT)	NEW UPFIT (SQ FT)	SUB-TOTAL (SQ FT)
3 <sup>rd</sup> Floor	31 33 8	W 10 /	
2 <sup>nd</sup> Floor			
Mezzanine			
1st Floor		3,794 + (70± AIRLOCK) (933± PATIO)	4,797
Basement			
Total		4,797	4,797

Primary Occupancy Class Assembly	ification(		□ A-3	□A-4	□A-5	
Business			<del></del>			
Educational	ī					
Factory	☐ F-1 N	/loderate	☐ F-2 L	ow		
Hazardous	☐ H-1 I	Detonate	☐ H-2 I	Deflagrate	☐H-3 Combust	☐ H-4 Health ☐ H-5 HPM
Institutional	☐ I-1		☐ I-2		☐ I-3	☐ I-4
I-3 Condition	□ 1	□ 2				
I-2 Condition	□ 1	□ 2				
I-3 Condition	□ 1	□ 2	□ 3	□ 4	□ 5	
Mercantile						
Residential	☐ R-1		☐ R-2		☐ R-3	☐ R-4
Storage		/loderate	□S-2 L		☐ High Piled	
		ng Garage	Open	Enclo	osed	
Utility and Misce						
Accessory Occupancy Cl Incidental Uses (Table 50		on(s): <u>N/A</u>	<b>Y</b>			
Special Uses (Chapter 4 -	List Code	e Sections)	: <u>N/A</u>			
Special Provisions (Chap	ter 5 – Lis	st Code Se	ctions): N	<u>I/A</u>		
Mixed Occupancy:	□No	X Yes	Separa	ition: <b>2</b> Hr	. Exception:	
<ul><li>Non-separated Use (50</li><li>✓ Separated Use (508.4)</li></ul>		ow for area	a calculation	ons for eac	ch story.	
Actual Area of	Occupan	cy A	+ Actu	ial Area oj	Occupancy B	≤ 1

ST	RESTAURANT (A-2)		6,000 SF	4,500 SF 6,750 SF	10,500 SF
RY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 <sup>4</sup>	(C) AREA FOR FRONTAGE INCREASEL5	(D) ALLOWABLE AREA PER

 $4,797/10,500 = 0.457 + 4,715/15,750 = 0.299 = 0.756 \le 1.00$ 

Allowable Area of Occupancy B

CLINIC (BUS) 4,715 SF 9,000 SF 6,750 SF <sup>1</sup> Frontage area increases from Section 506.2 are computed thus:

Perimeter which fronts a public way or open space having 20 feet minimum width = 520 (F) Total Building Perimeter = 520 (P)

Allowable Area of Occupancy A

Ratio (F/P) = 1.0 (F/P)W = Minimum width of public way = 30 (W)

Percent of frontage increase  $I_f = 100[F/P - 0.25] \times W/30 = \frac{75}{2}$  (%)

<sup>2</sup> Unlimited area applicable under conditions of Section 507. <sup>3</sup> Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2).

<sup>4</sup> The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers

must comply with Table 412.3.1.

Frontage increase is based on the unsprinklered area value in Table 506.2.

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	40	22	
Building Height in Stories (Table 504.4)	1	1	

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED (W/* REDUCTION)	DETAIL # AND SHEET #	DESIGN# FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							/-
Bearing Walls	i.						R
Exterior							
North	>30	0	0				0
East	>30	0	0				
West	>30	0	0				
South	>30	0	0				ar
Interior		0	0				
Nonbearing Walls and Partitions							
Exterior		1					
North		N/A	N/A				
East		N/A	N/A				
West		N/A	N/A				
South		N/A	N/A				į.
Interior		0	0				
Floor Construction Including supporting beams and	joists	N/A	SLAB ON GRADE				0.
Floor Ceiling Assembly		N/A	N/A				0
Columns Supporting Floors		N/A	N/A				
Roof Construction, including sup and joists	porting beams	0	0				
Roof Ceiling Assembly		0	0	3			5
Columns Supporting Roof		0	0				
Shaft Enclosures - Exit		N/A	N/A				
Shaft Enclosures - Other		N/A	N/A	i.e	1		i i
Corridor Separation		N/A	N/A				
Occupancy/Fire Barrier Separation	on	2 HR		EXISTING	<b>UL U419</b>		
Party/Fire Wall Separation		N/A	N/A	1			93
Smoke Barrier Separation		N/A	N/A				
Smoke Partition		N/A	N/A				
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A	N/A				
Incidental Use Separation		N/A	N/A				

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	Allowable area (%)	ACTUAL SHOWN ON PLANS (%)
>30	UP, NS	NO LIMIT	42% FRONT, 5% REAR, 10% SIDES
LIFE SAFETY SYSTEM	DECHIDEMENTS		
Emergency Lighting:	Yes □ No		
Exit Signs:	Yes □ No		

Life Safety Plan Sheet #: **G-102** 

Carbon Monoxide Detection

Fire and/or smoke rated wall locations (Chapter 7)

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)

☐ Yes ☐ No

Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)

Occupant loads for each area

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

ACCESSIBLE DWELLING UNITS (SECTION 1107) -N/A

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

	TOTAL # OF I	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			
PARKING AREA REQUIRED	PROVIDED	REGULAR WITH	VAN SPAC	ACCESSIBLE			
			5' ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	PROVIDED	
	22 + staff	63 shared	0	0	4	4	
TOTAL	31	63 shared	0	0	4	4	

ι	ISE	W	VATERCLOSI	ETS	URINALS		LAVATORIE	ES	SHOWERS	DRINKING	FOUNTAINS
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/ TUBS	REGULAR	ACCESSIBLE
SPACE	EXIST'G										
	NEW	2	2		1	1	1		0	0*	0*
	REQ'D	2	2		0	1	1		0	1	1

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

### ENERGY SUMMARY ENERGY REQUIREMENTS: Existing building envelope complies with code: (If checked, the remainder of this section is not applicable.) Provide code or statutory reference: ☐ 5A Method of Compliance Energy Code: □ Prescriptive ASHSAE 90.1: Performance (If "Other" specify source here) THERMAL ENVELOPE (Prescriptive method only) Roof/ceiling Assembly (each assembly) Description of assembly: LOW SLOPE, WOOD DECK, RIGID INSULATION, SINGLE PLY 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) WOOD STUD, EIFS EXTERIOR Description of assembly: U-Value of total assembly: R-Value of insulation: R-19 + R-5 ci Openings (windows or doors with glazing) U-Value of assembly: Solar heat gain coefficient: 0.25 Projection factor: Door R-Values: 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) N/A Description of assembly U-Value of total assembly: R-Value of insulation:

MONOLITHIC FOUNDATIONS

Floors slab on grade

Description of assembly:

U-Value of total assembly: R-Value of insulation:

Horizontal/vertical requirement:

MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE REQUIREMENTS HE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AN RADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES' USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.

<u>INFORMATIONAL</u>

G-102 FLOOR PLAN - LIFE SAFETY AND ACCESSIBILITY DETAILS

A-101 FLOOR PLAN - DIMENSION AND GENERAL NOTES A-102 FLOOR PLAN - INFORMATION

A-103 FLOOR PLAN - KITCHEN

CEILING AND NOTES

E-1 ELECTRICAL PANELS, RISER DIAGRAM AND DETAIL

E-2 ELECTRICAL PLAN AND NOTES E-3 LIGHTING PLAN, SCHEDULE AND CODE SUMMARY

<u>MECHANICAL</u> AND CODE SUMMARY M-2 HVAC PLAN AND DETAILS

> P-1 PLUMBING PLAN - WASTE NOTES AND RISER DETAIL

## LIST OF DRAWINGS

G-101 COVER SHEET AND 2018 NCBC SUMMARY APPENDIX

<u>ARCHITECTURAL</u>

DOORS, FRAMES, HARDWARE AND SCHEDULE

EQUIPMENT AND SCHEDULE A-104 FLOOR PLAN - REFLECTED

A-201 INTERIOR ELEVATIONS

M-1 HVAC NOTES, SCHEDULES

P-2 PLUMBING PLAN - SUPPLY SCHEDULE, GAS RISER AND



ANDREW W. PRIVETTE, AIA 1920 FT. BRAGG ROAD

FAYETTEVILLE,

NORTH CAROLINA 28303 TELE. (910) 485-8567 andy@designedtobuild.com





BURRITO ME SHOPPES 1625 BUFI SANFORD, N

JOB CODE: 19SUMMIT EB DRAWN BY: **A. PRIVETTE** CHECKED BY: A. PRIVETTE DESIGNED TO BUILD

COVER SHEET BUILDING CODE SUMMARY

# EL BURRITO MEXICAN RESTAURANT SHOPPES AT SUMMIT

1625 BUFFALO LAKE ROAD SANFORD, NORTH CAROLINA

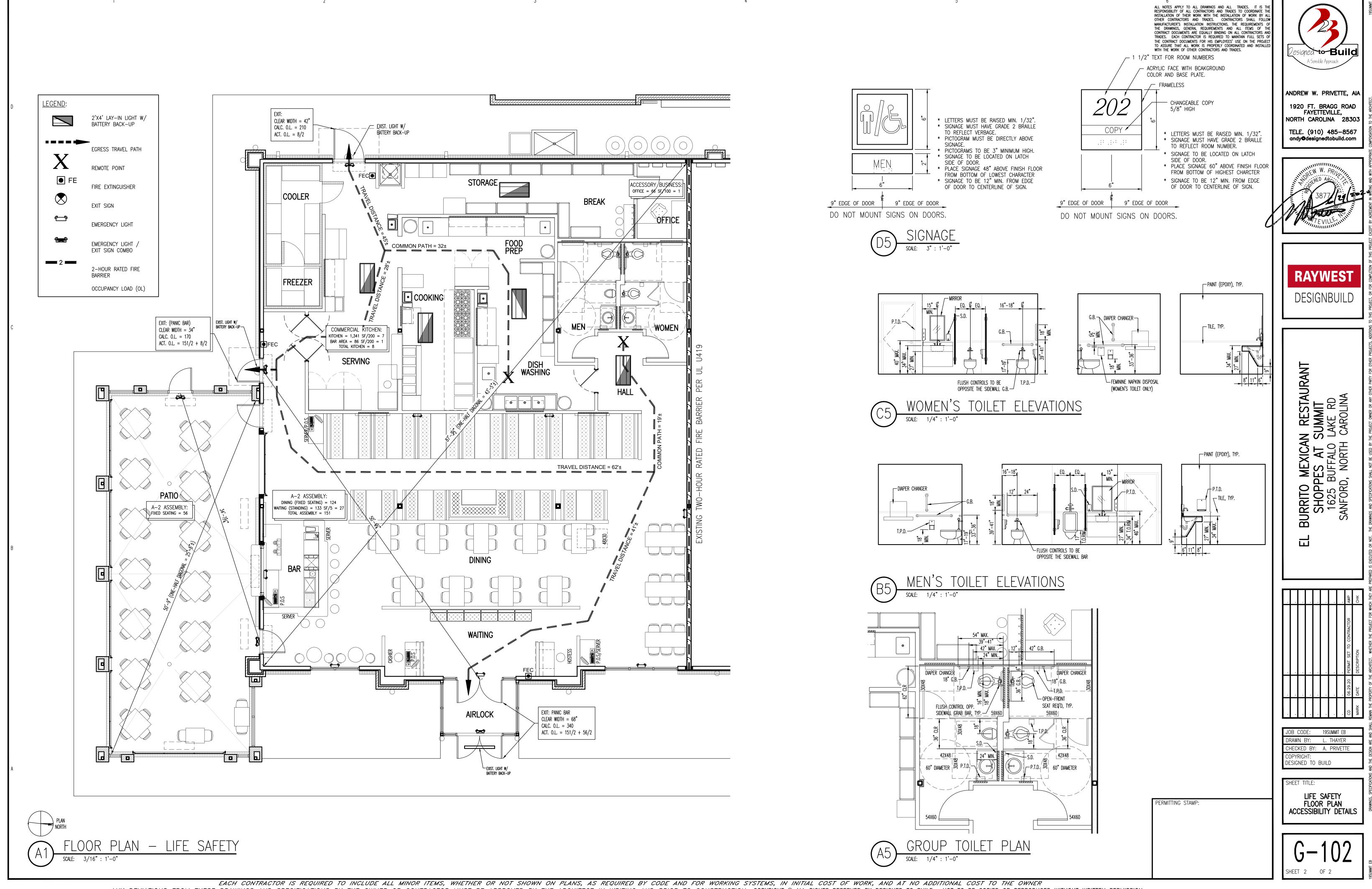


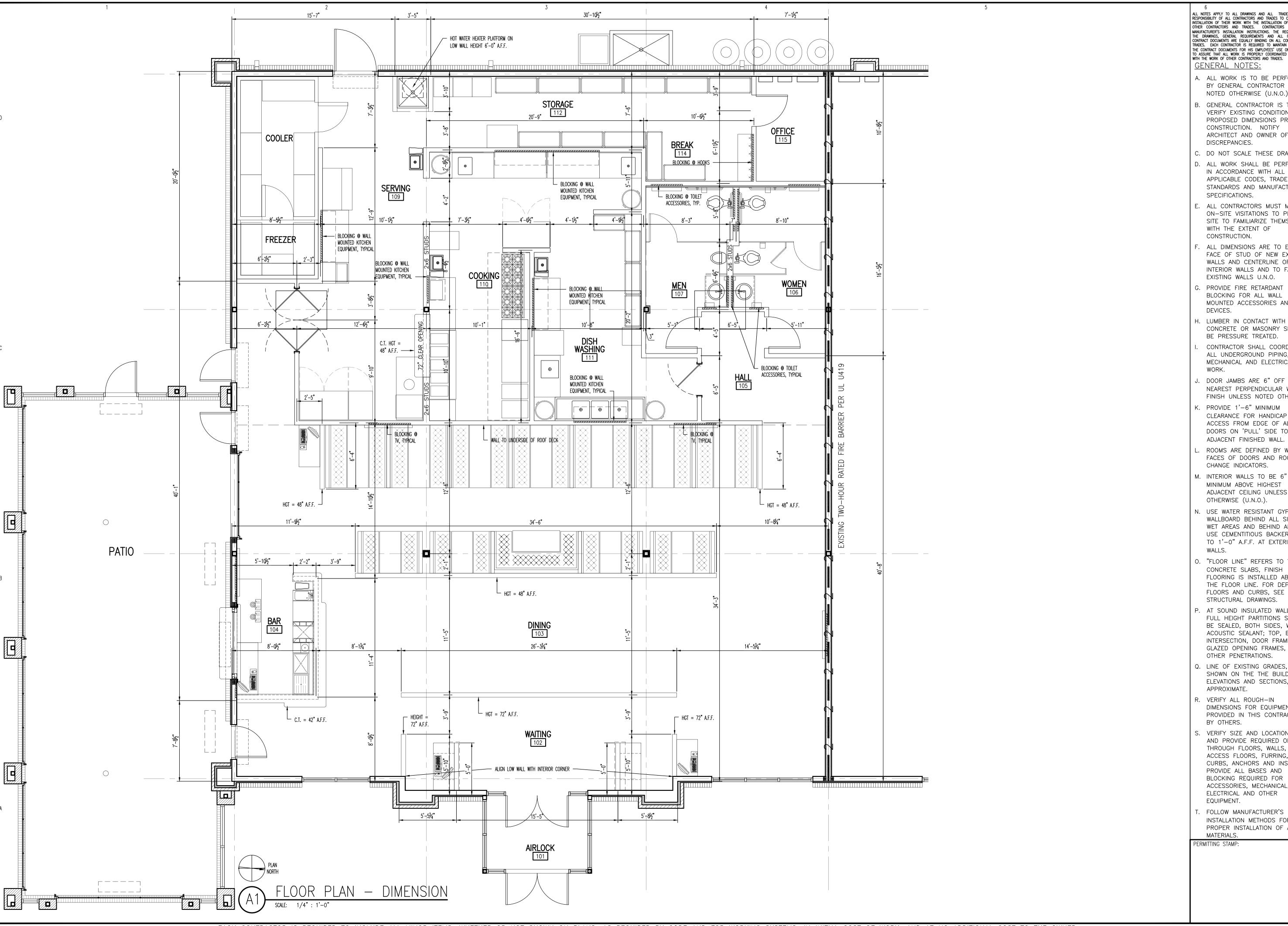
# ANDREW W. PRIVETTE, ARCHITECT

1920 FT. BRAGG ROAD - FAYETTEVILLE, N.C. 28303 - (910) 485-8567

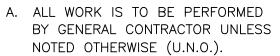


JUNE 29, 2020





ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THI RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THI INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY AL OTHER CONTRACTORS AND TRADES. CONTRACTORS SHALL FOLLOW
MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE REQUIREMENTS OF
THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE
CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND
TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES' USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES. GENERAL NOTES:



- B. GENERAL CONTRACTOR IS TO VERIFY EXISTING CONDITIONS AND PROPOSED DIMENSIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT AND OWNER OF ANY DISCREPANCIES.
- C. DO NOT SCALE THESE DRAWINGS. D. ALL WORK SHALL BE PERFORMED

ANDREW W. PRIVETTE, AIA

1920 FT. BRAGG ROAD

NORTH CAROLINA 28303

FAYETTEVILLE,

TELE. (910) 485-8567 andy@designedtobuild.com

**DESIGNBUILD** 

AI FALO ORTH

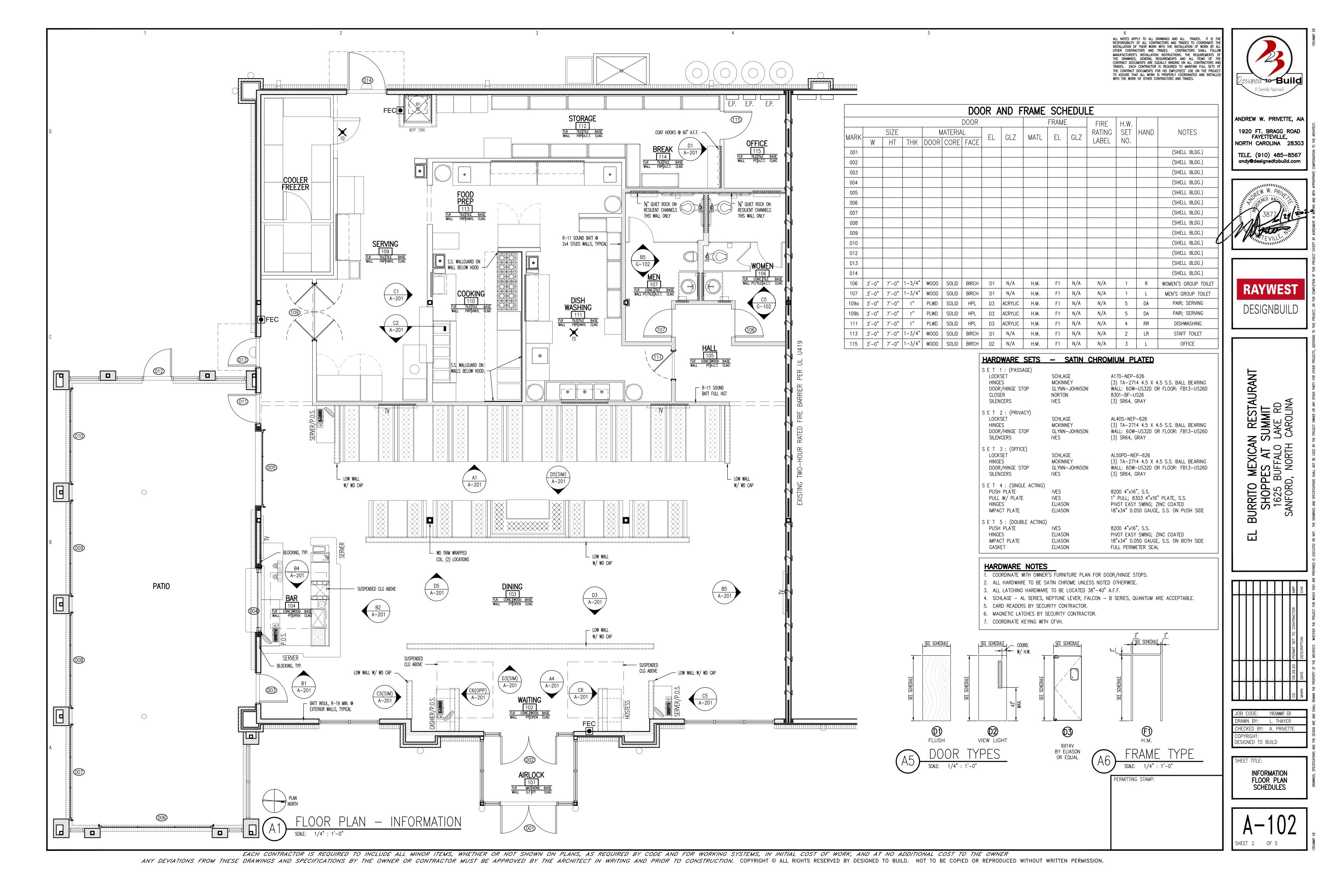
BURRITO N SHOPPE 1625 BU SANFORD,

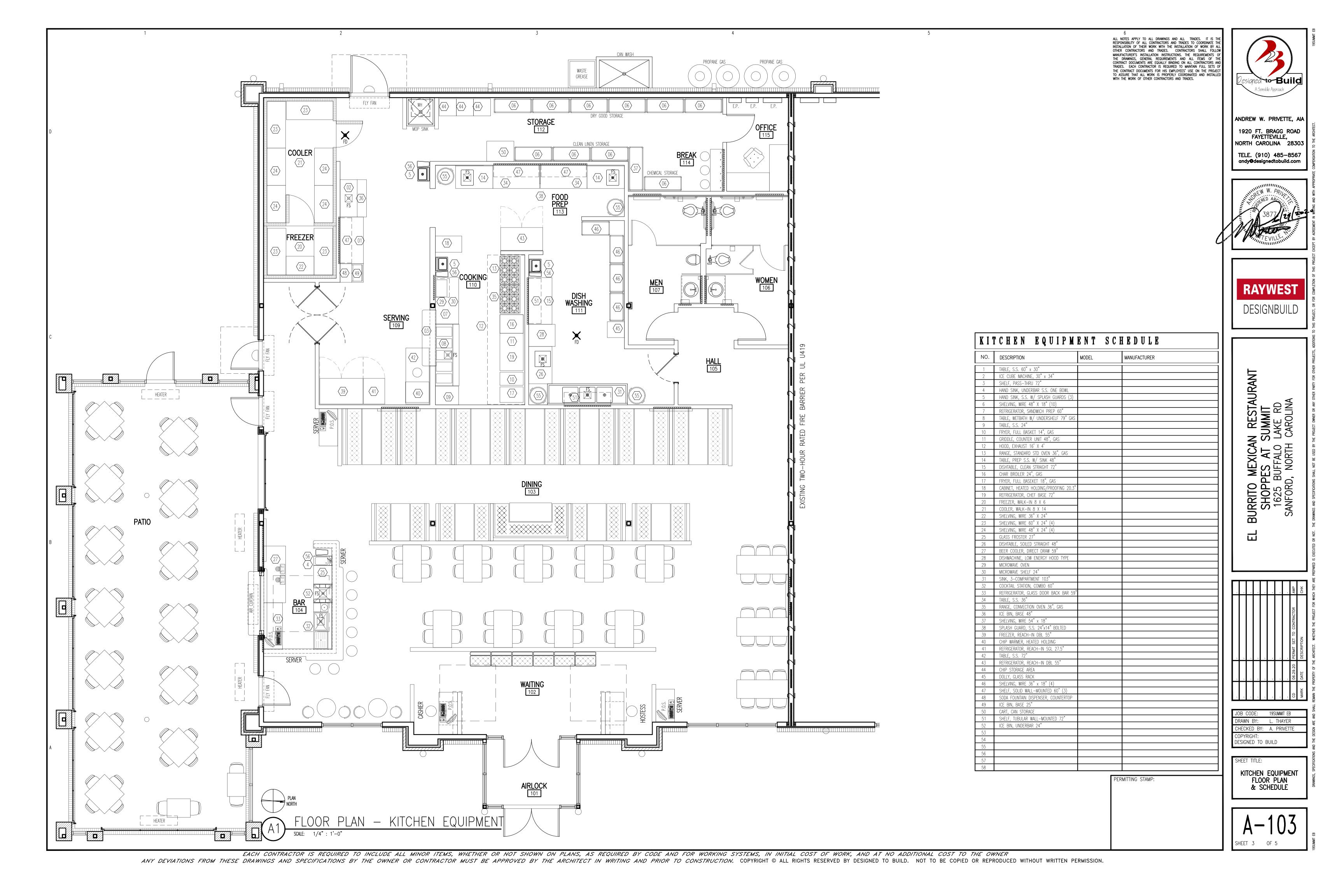
- IN ACCORDANCE WITH ALL APPLICABLE CODES, TRADE STANDARDS AND MANUFACTURER'S SPECIFICATIONS.
- E. ALL CONTRACTORS MUST MAKE ON-SITE VISITATIONS TO PROJECT SITE TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF CONSTRUCTION.
- F. ALL DIMENSIONS ARE TO EXTERIO FACE OF STUD OF NEW EXTERIOR WALLS AND CENTERLINE OF NEW INTERIOR WALLS AND TO FACE OF EXISTING WALLS U.N.O.
- PROVIDE FIRE RETARDANT BLOCKING FOR ALL WALL MOUNTED ACCESSORIES AND
- H. LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- CONTRACTOR SHALL COORDINATE ALL UNDERGROUND PIPING, MECHANICAL AND ELECTRICAL
- DOOR JAMBS ARE 6" OFF NEAREST PERPENDICULAR WALL FINISH UNLESS NOTED OTHERWISE.
- CLEARANCE FOR HANDICAP ACCESS FROM EDGE OF ALL DOORS ON 'PULL' SIDE TO THE ADJACENT FINISHED WALL.
- ROOMS ARE DEFINED BY WALLS, FACES OF DOORS AND ROOM CHANGE INDICATORS.
- MINIMUM ABOVE HIGHEST ADJACENT CEILING UNLESS NOTE OTHERWISE (U.N.O.). N. USE WATER RESISTANT GYPSUM
- WALLBOARD BEHIND ALL SINKS, WET AREAS AND BEHIND ALL TILE USE CEMENTITIOUS BACKER BOARD TO 1'-0" A.F.F. AT EXTERIOR
- O. "FLOOR LINE" REFERS TO TOP ON CONCRETE SLABS, FINISH FLOORING IS INSTALLED ABOVE THE FLOOR LINE. FOR DEPRESSED FLOORS AND CURBS, SEE STRUCTURAL DRAWINGS.
- P. AT SOUND INSULATED WALLS, FULL HEIGHT PARTITIONS SHALL BE SEALED, BOTH SIDES, WITH ACOUSTIC SEALANT; TOP, BOTTOM, INTERSECTION, DOOR FRAMES, GLAZED OPENING FRAMES, AND OTHER PENETRATIONS.
- Q. LINE OF EXISTING GRADES, AS SHOWN ON THE THE BUILDING ELEVATIONS AND SECTIONS, ARE APPROXIMATE.
- R. VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT PROVIDED IN THIS CONTRACT OR BY OTHERS.
- VERIFY SIZE AND LOCATION OF AND PROVIDE REQUIRED OPENINGS THROUGH FLOORS, WALLS, ACCESS FLOORS, FURRING, CURBS, ANCHORS AND INSERTS. PROVIDE ALL BASES AND BLOCKING REQUIRED FOR ACCESSORIES, MECHANICAL, ELECTRICAL AND OTHER EQUIPMENT.
- FOLLOW MANUFACTURER'S BEST INSTALLATION METHODS FOR PROPER INSTALLATION OF ALL

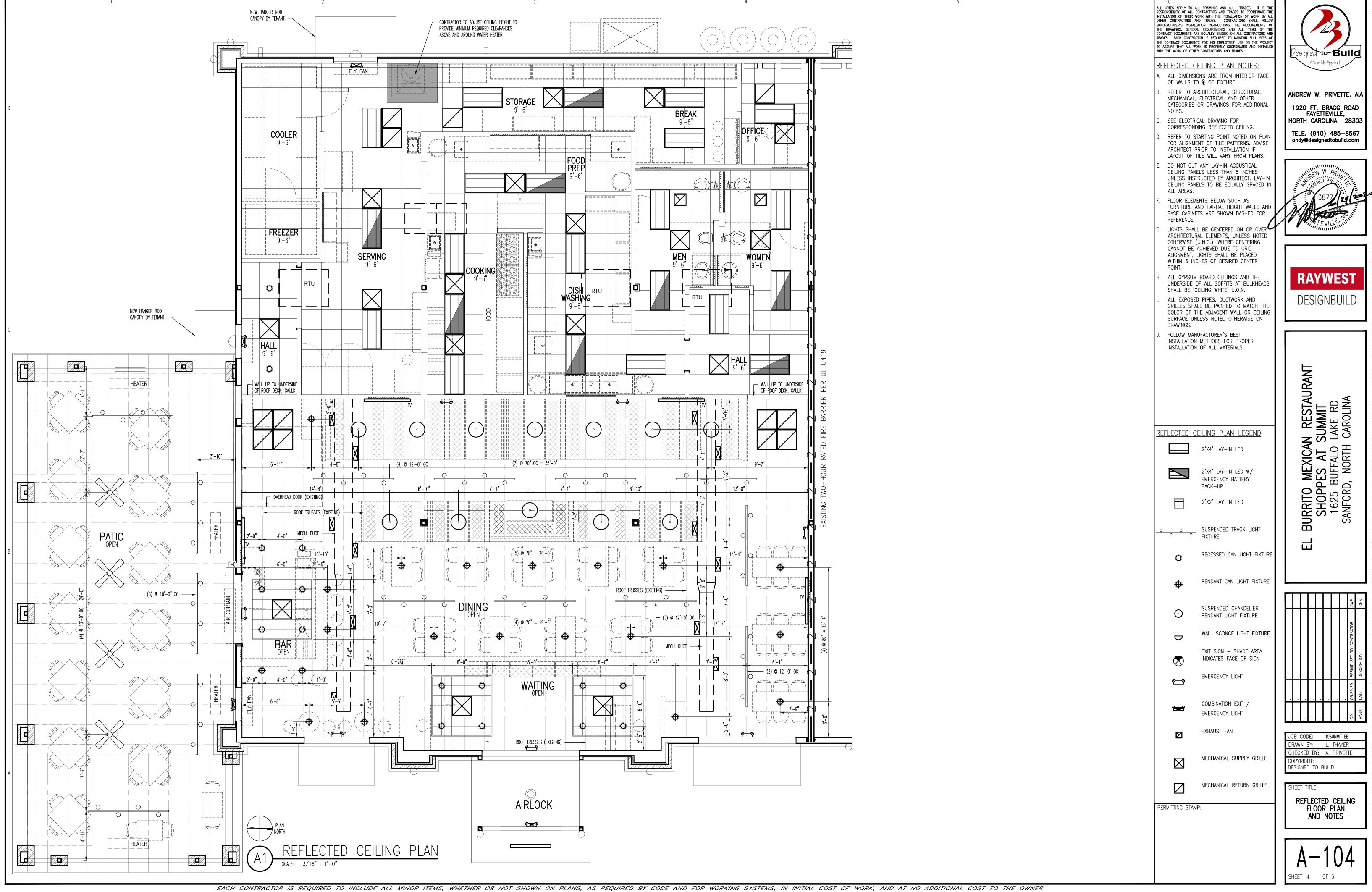
JOB CODE: 19SUMMIT EB

DRAWN BY: L. THAYER CHECKED BY: A. PRIVETTE COPYRIGHT: DESIGNED TO BUILD

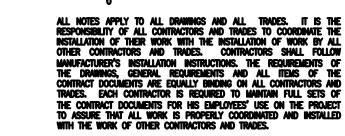
SHEET TITLE: DIMENSION FLOOR PLAN AND NOTES

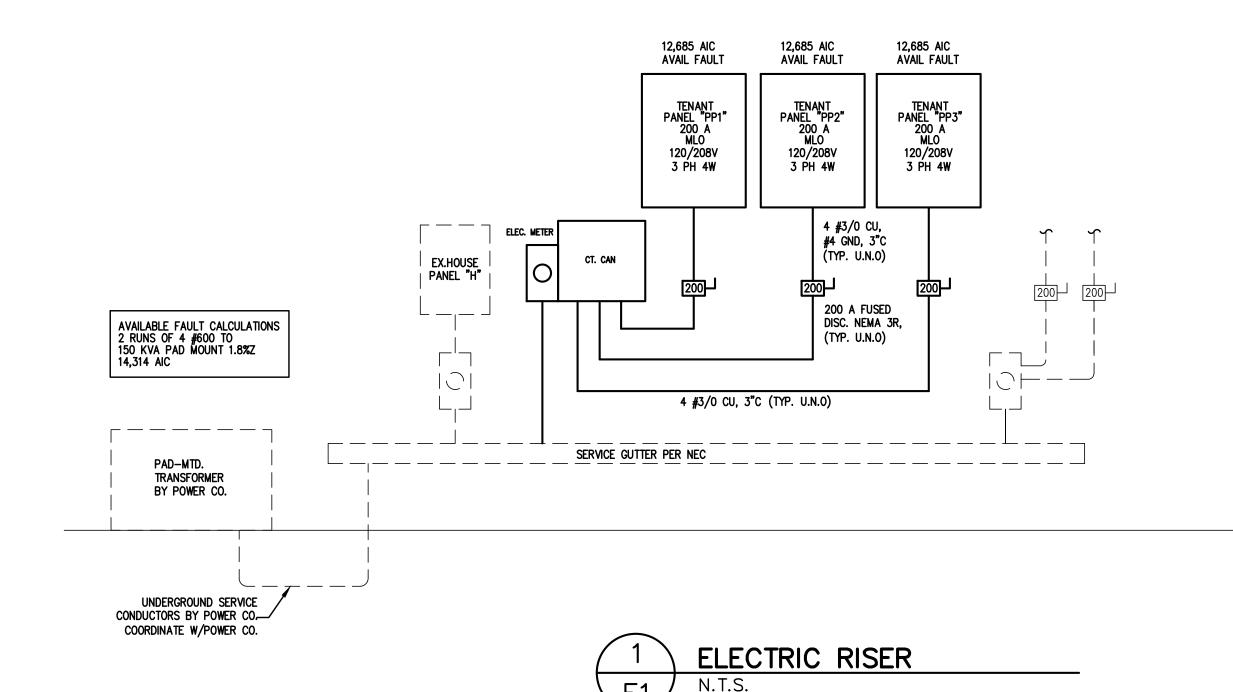


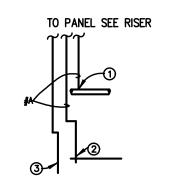












TYPICAL GROUNDING

GROUNDING ELECTRODE DETAILS

GROUNDING ELECTRODE CONDUCTORS SHALL BE #4 BARE COPPER. OTHER MATERIAL AND INSTALLATION PER NEC

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

② #A COPPER GROUND PLACED TO BLDG STEEL

A=#4 CU PP1,2,3

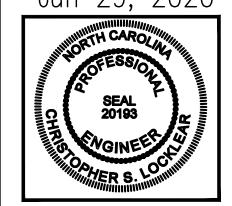
M( FE	DOM DUNTING D FROM DTE	FLUSH UTILITY			VOLTS 20 BUS AMPS NEUTRAL	<b>S</b> 20	0	3P 4W		M	NIC 22,00 NAIN BKR NUGS STA	MLO		
KT £	CKT BKR	LOAD KVA	CIRCUI	T DESCRI	PTION		CKT #	CKT BKR	LOAD KVA	CIRCI	UIT DESC	RIPTION		
1	15/1	0.384	BOTTLE	COOLER		a	_	20/1	0.32	LIGHT	ΠNG			
3	20/1	0.342	BEER I	DISPENSER	₹	Ь		20/1	0.284	LIGH1				
5	20/1	0.24	GLASS	CHILLER		c	_	20/1		LIGHT				
7	20/1	0.72	RECEP	TACLE		a	_	20/1	0.171	LIGH1				
•	20/1	0.72	RECEP	TACLE			10	20/1	0.504	LIGHT				
1	20/1	0.72	RECEP	TACLE		[c	12	20/1	0.518	LIGHT	ΓING			
3	20/1	0.9	RECEP	TACLE			14	15/2	2.48	MSOL	J <b>–</b> 1			
5	20/1	0.54	RECEP			[ь	16							
7	20/1	0	SPACE			c	18	20/1	0.54	RECE	PTACLE			
9	20/1	0.4	HTR1,	HTR2, HT	R3, HTR4		20	20/1	0.36	RECE	PTACLE			
21	20/1	0.36	RECEP				22	20/1	0.72	RECE	PTACLE			
23	20/1	0.36	· ·				24	20/1	0.18	RECE	PTACLE			
25	50/3	20.4	RTU-3				26	20/1	0.72	RECE	PTACLE			
27							28	60/3	16.4	DISH	WASHER			
29							30							
31	20/1	0.36	RECEP				32			•				
33	20/1	0	SPACE				34	20/1	0	SPAC				
55	20/1	0	SPACE				36	20/1	0	SPAC				
57	20/1	0	SPACE				38	20/1	0	SPAC				
39	20/1	0	SPACE				40	20/1	0	SPAC				
41	20/1	0	SPACE			C	42	20/1	0	SPAC	E			
			CONN KVA	CALC KVA						NN VA	CALC KVA			
	GHTING	2	2.14	2.67	(125%)			EPTACLE			7.2	(50%>10)		
	ARGEST	2	20.4	5.09	(25%)				<b>IOUS</b> 1.37		1.37	(100%)		
	MOTOR				•			TING	22.8		22.8	(100%)		
M	OTORS	1	6.4	16.4	(100%)		COO	LING	22.8	3	0	(0%)		
								AL LOAD			55.5	_		
							LO	AD	3-PHASE		154 A			
								ASE A			107%			
						PHASE B PHASE C					102 <b>%</b> 91 <b>%</b>			

M( FE N(	D FROM OTE				VOLTS 20 BUS AMPS NEUTRAL	20	<b>%</b>				AIC 22,00 MAIN BKR LUGS STA	MLO
T.	CKT BKR	LOAD KVA	CIRCUI	T DESCRI	PTION		CKT   #	CKT BKR	LO, KV	AD A CIF	CUIT DESC	RIPTION
   3   5   7   9   1   3	20/1 20/3   20/1 20/1 20/1 20/1 20/1 50/3   20/1 20/1 20/1 20/1	1.25 0.9 0 0.948 0.9 1.55 1.34 1.44 0.396 20.4	SPACE  D.948 PREP. TABLE D.9 REFRIG. D.55 MICROWAVE D.34 ICE MAKER D.44 HOLDING CABINET D.396 ** CHEF BASE D. SPACE D. SPACE D. SPACE D. SPACE D. SPACE D. SPACE		T		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34	20/1 20/1 20/1 20/1 20/1 30/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 2	0.8 0.6 0.5 0 0.1 2.8 0.1 0 0 0 0 0	95 EF; 4 ** SP AN 8 EF- SP	-1 ACE ACE ACE ACE ACE ACE ACE ACE	
5 7 9 11	20/1 20/1 20/1 20/1	0 0 0	SPACE SPACE SPACE SPACE			a b	38 40	20/1 20/1 20/1 20/1	0 0 0	SP.	ACE ACE ACE ACE	
			CONN KVA	CALC KVA						CONN	CALC KVA	
LIGHTING LARGEST MOTOR MOTORS		2	.33 20.4 3.08	1.67 5.09 3.08	(125%) (25%) (100%)		RECEPTACLE NONCONTINU HEATING COOLING			0.54 8.92 20.4 20.4	0.54 8.92 20.4	(50%>10) (100%) (100%) (0%)
	*) PROVIDE						TOTA BAL LO PHA PHA	AL LOAD ANCED 3-	−PH		39.7 110 A 99.2% 91.4% 109%	-

M( FE	DOM DUNTING D FROM DTE	FLUSH UTILITY	,		VOLTS 20 BUS AMPS NEUTRAL	20	0	3P 4W			AIC 22,00 MAIN BKR LUGS STA	MLO
KT ¥	CKT BKR	LOAD KVA	CIRCUI	T DESCRIF	PTION		CKT #	CKT BKR	LOAD KVA	CIRC	CUIT DESC	RIPTION
1	20/1	1.18	W.I.C.	BLOWER		а	2	50/3	20.4	RTU	-2	
3	20/2	1.51	W.I.C.	CONDENSE	R	ь	4	ĺĺ				
5						c	6	li				
7	20/1	1.18	W.I.F. 8	BLOWER		[a]	8	25/2	3.49	CU-	-1	
9	20/2	1.66	W.I.F.	CONDENSE	R	Ь	10					
11						c	12	25/2	3.49	CU-	-2	
3	20/1	0.36	RECEP'			a	14					
5	20/1	0.36	RECEP.	TACLE		Ь	16	20/3	2.83	** N	/AU-1	
7	20/1	0	SPACE			C	18	ļ <u>ļ</u>				
9	20/1	0	SPACE			1. 1	20					
21	20/1	0	SPACE			b	22	20/1	0	SPA		
23	20/1	0	SPACE				24	20/1	0	SPA		
25	20/1	0	SPACE				26	20/1	0	SPA		
27	20/1	0	SPACE				28	20/1	0	SPA		
29	20/1	0	SPACE			1 1	30	20/1	0	SPA		
31	20/1	0	SPACE			a	32	20/1	0	SPA		
33	20/1	0	SPACE			1 1	34	20/1	0	SPA		
55 57	20/1	0	SPACE			C	36 38	20/1	0	SPA		
57 59	20/1	0	SPACE SPACE			a		20/1	0	SPA		
41	20/1 20/1	0	SPACE				40	20/1 20/1	0	SPA SPA		
<b>T</b> I	20/1		JOF ACE				72	20/1		SPA	CE	
			CONN	CALC KVA						CONN KVA	CALC KVA	
	ARGEST	<u>-</u>	20.4	5.09	(25%)			EPTACLES		72	0.72	(50%>10)
	MOTOR							CONTINU		99	5.99	(100%)
M	OTORS	2	2.35	2.35	(100%)			TING		0.4	0	(0%)
						1	COO	LING	27	7.4	27.4	(100 <b>%</b> )
							TOT	AL LOAD			41.5	
						1	BAL.	ANCED 3 AD	-PHAS	E	115 A	
							PH	ASE A			115%	
/-	*) PROVIDE	CULINT TO	אום פטראייר	ъ				ASE B ASE C			94.1% 91.1%	

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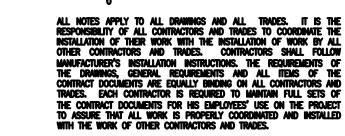


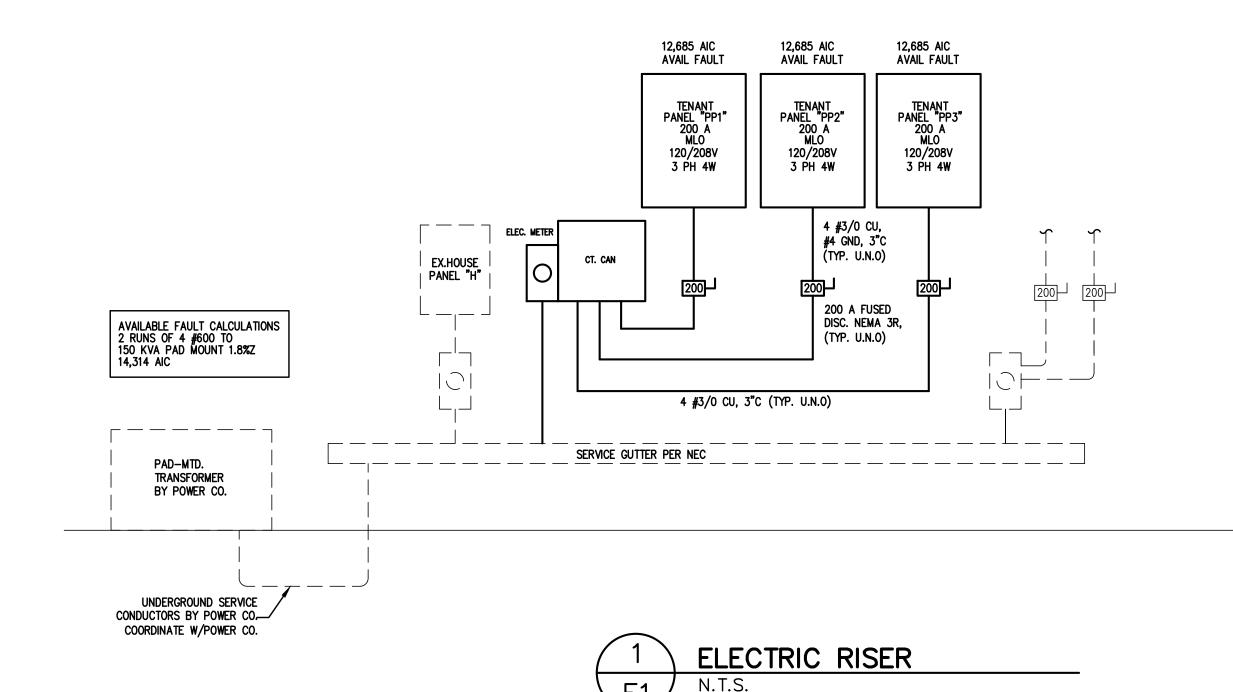
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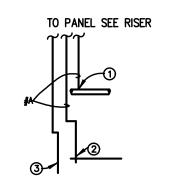
BURRITO MEXICAN RESTAURANT SHOPPES AT SUMMIT 1625 BUFFALO LAKE RD SANFORD, NORTH CAROLINA

DESIGNED TO BUILD

ELECTRICAL PANELS, NOTES AND DETAILS







TYPICAL GROUNDING

GROUNDING ELECTRODE DETAILS

GROUNDING ELECTRODE CONDUCTORS SHALL BE #4 BARE COPPER. OTHER MATERIAL AND INSTALLATION PER NEC

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

② #A COPPER GROUND PLACED TO BLDG STEEL

A=#4 CU PP1,2,3

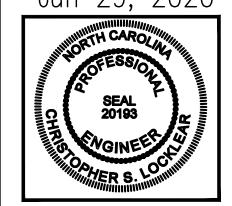
M( FE	DOM DUNTING D FROM DTE	FLUSH UTILITY			VOLTS 20 BUS AMPS NEUTRAL	<b>S</b> 20	0	3P 4W		M	NIC 22,00 NAIN BKR NUGS STA	MLO		
KT £	CKT BKR	LOAD KVA	CIRCUI	T DESCRI	PTION		CKT #	CKT BKR	LOAD KVA	CIRCI	UIT DESC	RIPTION		
1	15/1	0.384	BOTTLE	COOLER		a	_	20/1	0.32	LIGHT	ΠNG			
3	20/1	0.342	BEER I	DISPENSER	₹	Ь		20/1	0.284	LIGH1				
5	20/1	0.24	GLASS	CHILLER		c	_	20/1		LIGHT				
7	20/1	0.72	RECEP	TACLE		a	_	20/1	0.171	LIGH1				
•	20/1	0.72	RECEP	TACLE			10	20/1	0.504	LIGHT				
1	20/1	0.72	RECEP	TACLE		[c	12	20/1	0.518	LIGHT	ΓING			
3	20/1	0.9	RECEP	TACLE			14	15/2	2.48	MSOL	J <b>–</b> 1			
5	20/1	0.54	RECEP			[ь	16							
7	20/1	0	SPACE			c	18	20/1	0.54	RECE	PTACLE			
9	20/1	0.4	HTR1,	HTR2, HT	R3, HTR4		20	20/1	0.36	RECE	PTACLE			
21	20/1	0.36	RECEP				22	20/1	0.72	RECE	PTACLE			
23	20/1	0.36	· ·				24	20/1	0.18	RECE	PTACLE			
25	50/3	20.4	RTU-3				26	20/1	0.72	RECE	PTACLE			
27							28	60/3	16.4	DISH	WASHER			
29							30							
31	20/1	0.36	RECEP				32			•				
33	20/1	0	SPACE				34	20/1	0	SPAC				
55	20/1	0	SPACE				36	20/1	0	SPAC				
57	20/1	0	SPACE				38	20/1	0	SPAC				
39	20/1	0	SPACE				40	20/1	0	SPAC				
41	20/1	0	SPACE			C	42	20/1	0	SPAC	E			
			CONN KVA	CALC KVA						NN VA	CALC KVA			
	GHTING	2	2.14	2.67	(125%)			EPTACLE			7.2	(50%>10)		
	ARGEST	2	20.4	5.09	(25%)				<b>IOUS</b> 1.37		1.37	(100%)		
	MOTOR				•			TING	22.8		22.8	(100%)		
M	OTORS	1	6.4	16.4	(100%)		COO	LING	22.8	3	0	(0%)		
								AL LOAD			55.5	_		
							LO	AD	3-PHASE		154 A			
								ASE A			107%			
						PHASE B PHASE C					102 <b>%</b> 91 <b>%</b>			

M( FE N(	D FROM OTE				VOLTS 20 BUS AMPS NEUTRAL	20	<b>%</b>				AIC 22,00 MAIN BKR LUGS STA	MLO
T.	CKT BKR	LOAD KVA	CIRCUI	T DESCRI	PTION		CKT   #	CKT BKR	LO, KV	AD A CIF	CUIT DESC	RIPTION
   3   5   7   9   1   3	20/1 20/3   20/1 20/1 20/1 20/1 20/1 50/3   20/1 20/1 20/1 20/1	1.25 0.9 0 0.948 0.9 1.55 1.34 1.44 0.396 20.4	SPACE  D.948 PREP. TABLE D.9 REFRIG. D.55 MICROWAVE D.34 ICE MAKER D.44 HOLDING CABINET D.396 ** CHEF BASE D. SPACE D. SPACE D. SPACE D. SPACE D. SPACE D. SPACE		T		2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34	20/1 20/1 20/1 20/1 20/1 30/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 2	0.8 0.6 0.5 0 0.1 2.8 0.1 0 0 0 0 0	95 EF; 4 ** SP AN 8 EF- SP	-1 ACE ACE ACE ACE ACE ACE ACE ACE	
5 7 9 11	20/1 20/1 20/1 20/1	0 0 0	SPACE SPACE SPACE SPACE			a b	38 40	20/1 20/1 20/1 20/1	0 0 0	SP.	ACE ACE ACE ACE	
			CONN KVA	CALC KVA						CONN	CALC KVA	
LIGHTING LARGEST MOTOR MOTORS		2	.33 20.4 3.08	1.67 5.09 3.08	(125%) (25%) (100%)		RECEPTACLE NONCONTINU HEATING COOLING			0.54 8.92 20.4 20.4	0.54 8.92 20.4	(50%>10) (100%) (100%) (0%)
	*) PROVIDE						TOTA BAL LO PHA PHA	AL LOAD ANCED 3-	−PH		39.7 110 A 99.2% 91.4% 109%	-

M( FE	DOM DUNTING D FROM DTE	FLUSH UTILITY	,		VOLTS 20 BUS AMPS NEUTRAL	20	0	3P 4W			AIC 22,00 MAIN BKR LUGS STA	MLO
KT ¥	CKT BKR	LOAD KVA	CIRCUI	T DESCRIF	PTION		CKT #	CKT BKR	LOAD KVA	CIRC	CUIT DESC	RIPTION
1	20/1	1.18	W.I.C.	BLOWER		а	2	50/3	20.4	RTU	-2	
3	20/2	1.51	W.I.C.	CONDENSE	R	ь	4	ĺĺ				
5						c	6	li				
7	20/1	1.18	W.I.F. 8	BLOWER		[a]	8	25/2	3.49	CU-	-1	
9	20/2	1.66	W.I.F.	CONDENSE	R	Ь	10					
11						c	12	25/2	3.49	CU-	-2	
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5	20/1	0.36	RECEP.	TACLE		Ь	16	20/3	2.83	** N	/AU-1	
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9	20/1	0	SPACE			1. 1	20					
21	20/1	0	SPACE			b	22	20/1	0	SPA		
23	20/1	0	SPACE				24	20/1	0	SPA		
25	20/1	0	SPACE				26	20/1	0	SPA		
27	20/1	0	SPACE				28	20/1	0	SPA		
29	20/1	0	SPACE			1 1	30	20/1	0	SPA		
31	20/1	0	SPACE			a	32	20/1	0	SPA		
33	20/1	0	SPACE			1 1	34	20/1	0	SPA		
55 57	20/1	0	SPACE			C	36 38	20/1	0	SPA		
57 59	20/1	0	SPACE SPACE			a		20/1	0	SPA		
41	20/1 20/1	0	SPACE				40	20/1 20/1	0	SPA SPA		
<b>T</b> I	20/1		JOF ACE				72	20/1		SPA	CE	
			CONN	CALC KVA						CONN KVA	CALC KVA	
	ARGEST	<u>-</u>	20.4	5.09	(25%)			EPTACLES		72	0.72	(50%>10)
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M	OTORS	2	2.35	2.35	(100%)			TING		0.4	0	(0%)
						1	COO	LING	27	7.4	27.4	(100 <b>%</b> )
							TOT	AL LOAD			41.5	
						1	BAL.	ANCED 3 AD	-PHAS	E	115 A	
							PH	ASE A			115%	
/-	*) PROVIDE	CULINT TO	אום פטראייר	ъ				ASE B ASE C			94.1% 91.1%	

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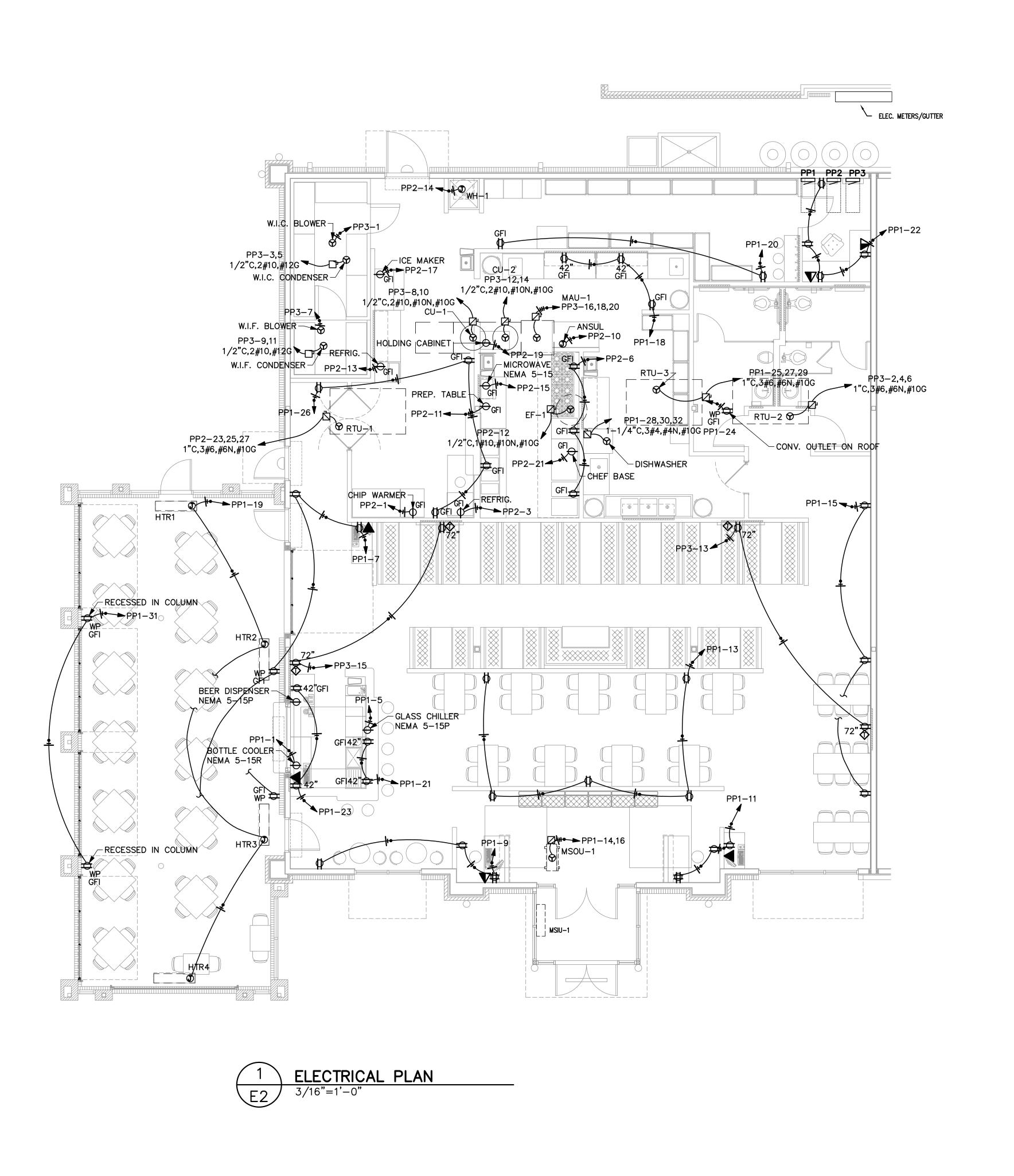


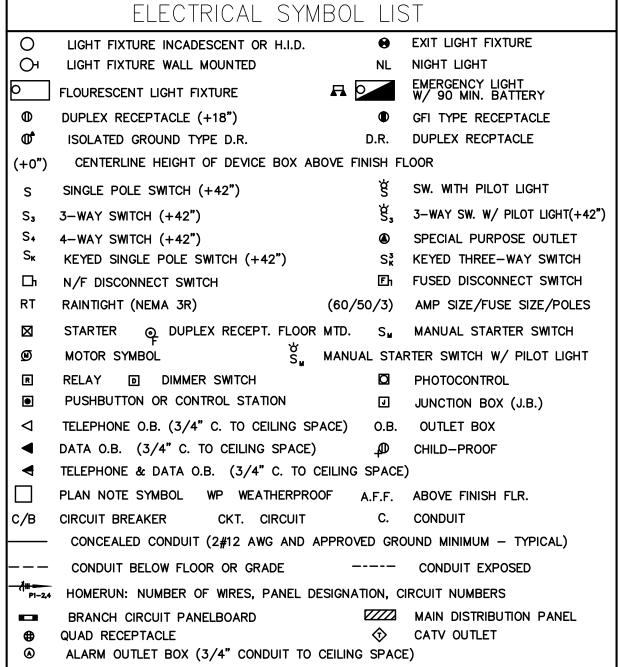
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DESIGNED TO BUILD

ELECTRICAL PANELS, NOTES AND DETAILS





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-AURAN BURRITO SHOPF 1625 SANFORD

JOB CODE: 19SUMMIT DRAWN BY: CHECKED BY: COPYRIGHT: DESIGNED TO BUILD

SHEET TITLE: ELECTRICAL PLAN AND

SHEET

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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.

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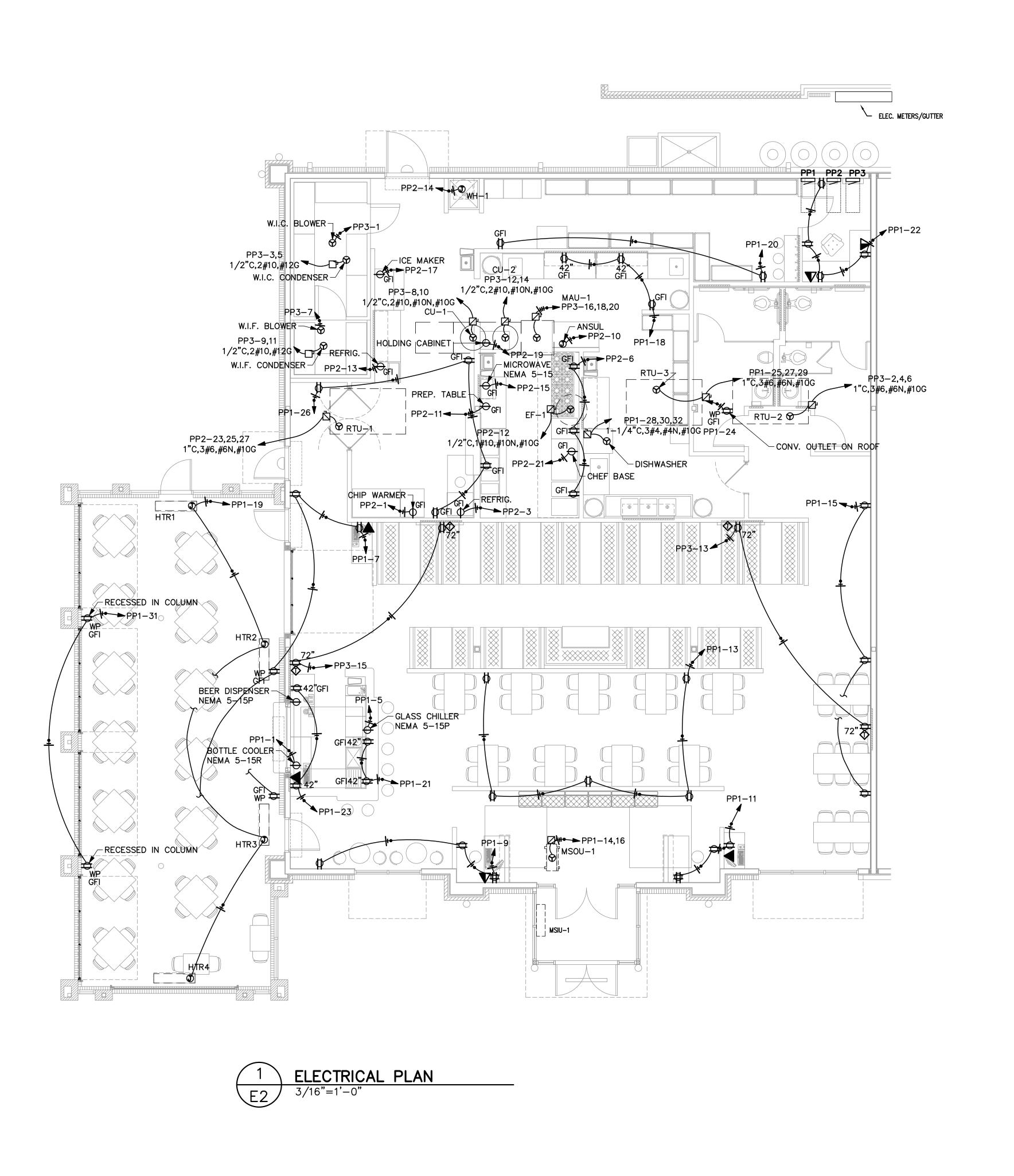
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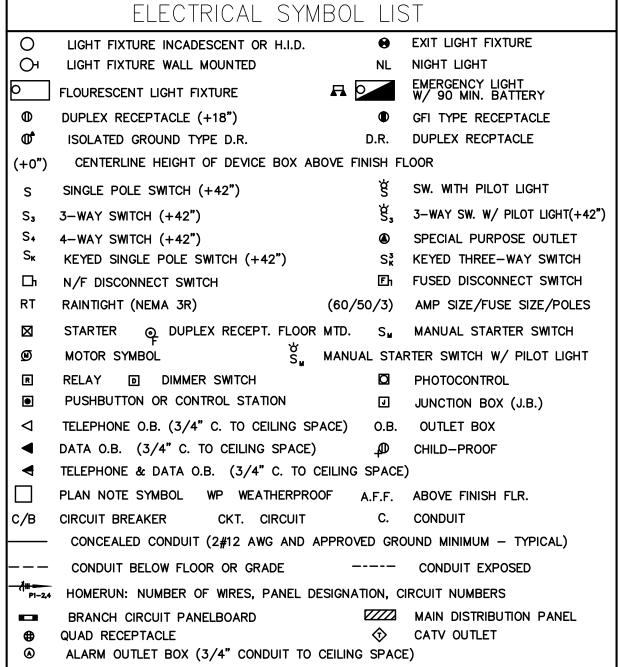
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**ELECTRICAL NOTES** 

PERMITTING STAMP





andy@designedtobuild.com Jun 29, 2020

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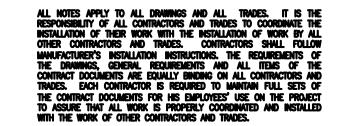
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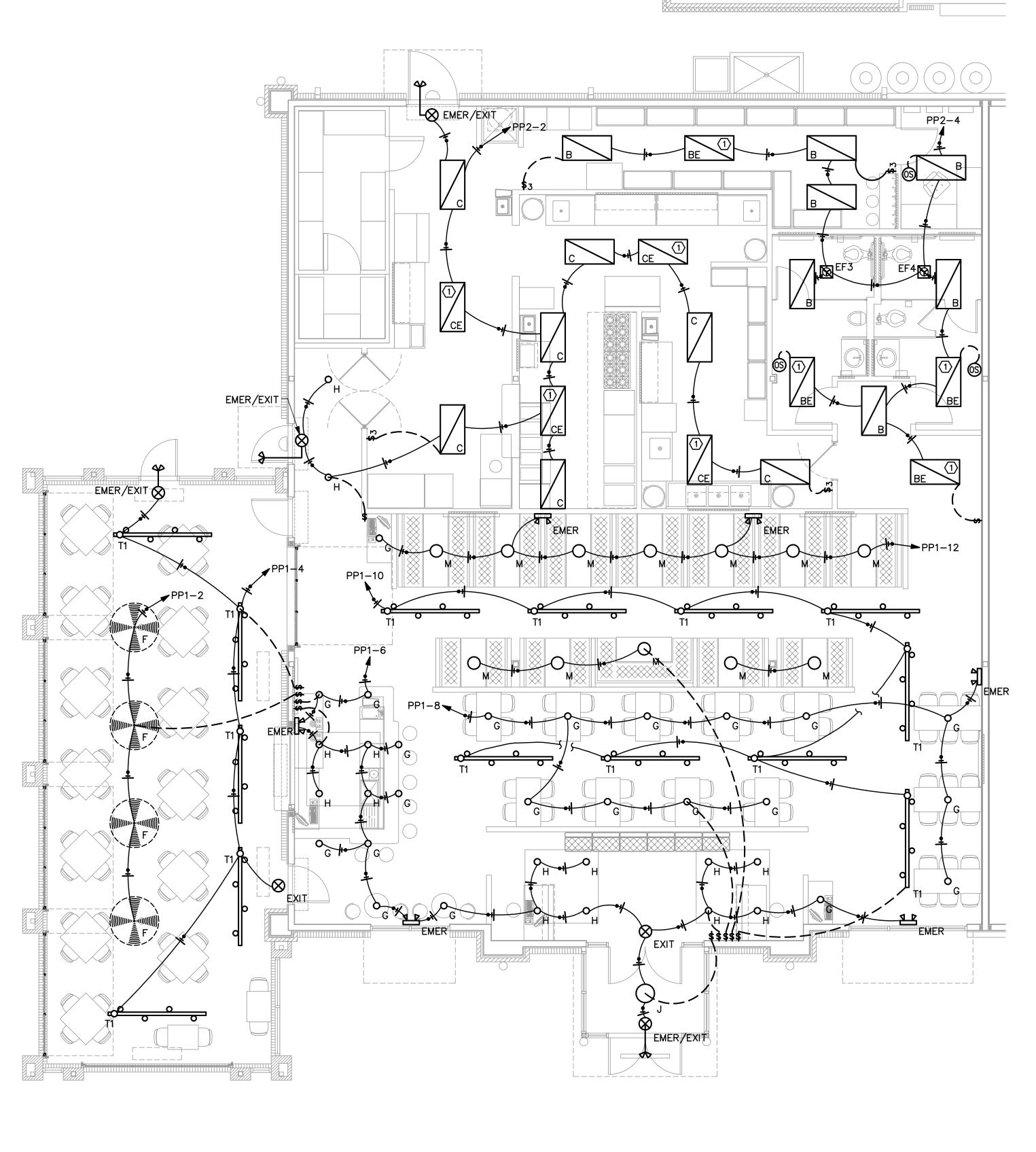
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**ELECTRICAL NOTES** 

PERMITTING STAMP





**LIGHTING PLAN** 3/16"=1'-0"

LUMI.	NAIRE S	<i>CHEDULI</i>	${\mathcal E}$					
CALLOUT	SYMB0L	LAMP	DESCRIPTION	MOUNTING	MODEL	INPUT WATTS	VOLTS	LUMENS / LAMP
В		(1) LED	2' X 4' LED RECESSED TROFFER	RECESSED	COLUMBIA LJT2440HLGFSA12EU	45	120V 1P 2W	5650
BE		(1) LED	2' X 4' LED RECESSED TROFFER WITH EMERGENCY BATTERY	RECESSED	COLUMBIA LJT2440HLGFSA12EUELL14	45	120V 1P 2W	5650
С		(1) LED	2' X 4' LED RECESSED TROFFER	RECESSED	COLUMBIA LJT2440XLGFSA12EU	73	120V 1P 2W	8775
CE		(1) LED	2' X 4' LED RECESSED TROFFER WITH EMERGENCY BATTERY BACK UP	RECESSED	COLUMBIA LJT2440XLGFSA12EUELL14	73	120V 1P 2W	8775
EMER	Ľ	(2) 1.5W LED	EMER. LIGHT W/1.5 HR NI-CAD BATTERY	WALL/CEILING	LITHONIA ELM2-LED	3	120V 1P 2W	0
EMER/EXIT	8	(2) 1.5W LED	COMBINATION EXIT/EMERGENCY UNIT WITH 90 MINUTE BATTERY AND MATCHING LED OUTDOOR REMOTE HEADS	WALL/CEILING	HUBBELL CCRRC CORD	4	120V 1P 2W	0
EXIT	8	(1) 2W LED	LED EXIT LIGHT WITH 90 MINUTE BATTERY	WALL/CEILING	HUBBELL CER	2	120V 1P 2W	0
F	<b>(1)</b>	(1)	CEILING FAN	CEILING	PER OWNER	80	120V 1P 2W	0
G	0	(1) LED	PENDANT FIXTURE	PENDANT	PRESCOLITE LD6LED3PW40K8	14	120V 1P 2W	700
Н	0	(1) LED	6" LED DOWNLIGHT	RECESSED	PRESCOLITE D6LED3-6D9LED435K8FL35WHWT	14	120V 1P 2W	700
J	0	(1)	FLUSH MOUNT FIXTURE	CEILING	EATON FM19WR40R	30.5	120V 1P 2W	2450
М	0	(1) LED	PENDANT/CHANDLIER FIXTURE	PENDANT	EATON 1800RLM80L401MUNVSTD	42	120V 1P 2W	4611
T1	•	(4)	8'-0" TRACK SECTION W/ 4 TRACK HEADS	CEILING	PRESCOLITE AKT8 W/ AKTMNLED9L40K8 TRACK HEAD	56	120V 1P 2W	900

APPENDIX B 2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

ELECTRICAL DESIGN

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code:

ASHRAE 90.1:

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

3216/3636 total interior wattage specified vs. allowed (whole building or space by space)

SEE FIXTURE SCHEDULE

900/490 total exterior wattage specified vs. allowed

Additional Prescriptive Compliance

☐ 506.2.1 More Efficient HVAC Equipment 

506.2.3 Energy Recovery Ventilation Systems

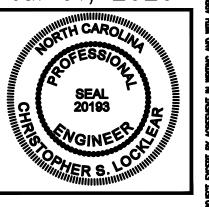
□ 506.2.4 Higher Efficiency Service Water Heating

☐ 506.2.5 On—Site Supply of Renewable Energy

506.2.6 Automatic Daylighting Control Systems

PERMITTING STAMP:

ANDREW W. PRIVETTE, AIA 1920 FT. BRAGG ROAD FAYETTEVILLE, NORTH CAROLINA 28303 TELE. (910) 485-8567 andy@designedtobuild.com

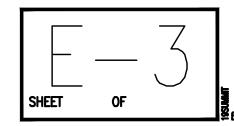


Plains

BURRITO N SHOPPE 1625 BU SANFORD,

JOB CODE: 19SUMMIT DRAWN BY: EB CHECKED BY: **COPYRIGHT:** DESIGNED TO BUILD

SHEET TITLE: LIGHTING PLAN AND SCHEDULES

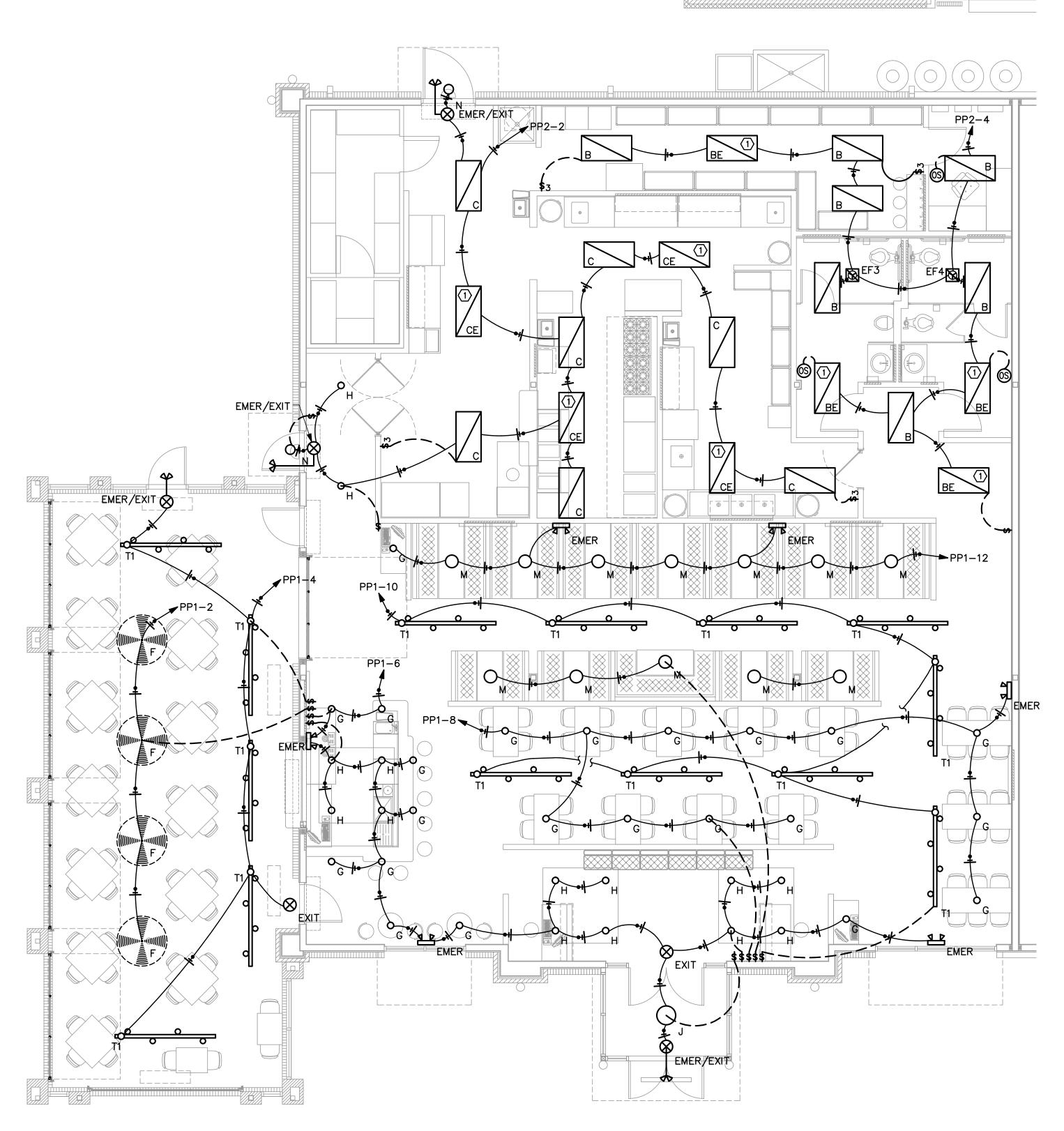


BRYANT (HUBBELL) MSD1000W1 OR EQUAL WALL SWITCH OCCUPANCY SENSOR DUAL (ULTRASONIC AND PASSIVE INFRARED) TECHNOLOGY 1,000 SQUARE FOOT COVERAGE

800W INCANDESCENT, 1000W FLUORESCENT AT 120V AC ALL O.S. TO BE WALL MOUNTED TO ALLOW FOR OCCUPANT MANUAL OVERRIDE

1) UNSWITCHED LEG OF CIRCUIT TO BATT PACK, SWITCHED LEG TO NORMAL LED DRIVER

# ALL NOTES APPLY TO ALL DRAWINGS AND ALL TRADES. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. CONTRACTORS SHALL FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE REQUIREMENTS OF THE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BROWNING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES' USE ON THE PROJECT TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.



**LIGHTING PLAN** 3/16"=1'-0"

<b>(S)</b>	BRYANT (HUBBELL) MSD1000W1 OR EQUAL WALL SWITCH OCCUPANCY SENSOR DUAL (ULTRASONIC AND PASSIVE INFRARED) TECHNOLOGY 1,000 SQUARE FOOT COVERAGE
	800W INCANDESCENT, 1000W FLUORESCENT AT 120V AC ALL O.S. TO BE WALL MOUNTED TO ALLOW FOR OCCUPANT MANUAL OVERRIDE
$\langle 1 \rangle$	UNSWITCHED LEG OF CIRCUIT TO BATT PACK, SWITCHED LEG TO NORMAL LED DRIVE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MOUNTING	MODEL	INPUT WATTS	VOLTS	LUMENS / LAMP
В		(1) LED	2' X 4' LED RECESSED TROFFER	RECESSED	COLUMBIA LJT2440HLGFSA12EU	45	120V 1P 2W	5650
BE		(1) LED	2' X 4' LED RECESSED TROFFER WITH EMERGENCY BATTERY	RECESSED	COLUMBIA LJT2440HLGFSA12EUELL14	45	120V 1P 2W	5650
С		(1) LED	2' X 4' LED RECESSED TROFFER	RECESSED	COLUMBIA LJT2440XLGFSA12EU	73	120V 1P 2W	8775
CE		(1) LED	2' X 4' LED RECESSED TROFFER WITH EMERGENCY BATTERY BACK UP	RECESSED	COLUMBIA LJT2440XLGFSA12EUELL14	73	120V 1P 2W	8775
EMER	[ <del>c</del>	(2) 1.5W LED	EMER. LIGHT W/1.5 HR NI-CAD BATTERY	WALL/CEILING	LITHONIA ELM2-LED	3	120V 1P 2W	0
EMER/EXIT	$\otimes$	(2) 1.5W LED	COMBINATION EXIT/EMERGENCY UNIT WITH 90 MINUTE BATTERY AND MATCHING LED OUTDOOR REMOTE HEADS	WALL/CEILING	HUBBELL CCRRC CORD	4	120V 1P 2W	0
EXIT	8	(1) 2W LED	LED EXIT LIGHT WITH 90 MINUTE BATTERY	WALL/CEILING	HUBBELL CER	2	120V 1P 2W	0
F	*	(1)	CEILING FAN	CEILING	PER OWNER	80	120V 1P 2W	0
G	0	(1) LED	PENDANT FIXTURE	PENDANT	PRESCOLITE LD6LED3PW40K8	14	120V 1P 2W	700
Н	0	(1) LED	6" LED DOWNLIGHT	RECESSED	PRESCOLITE D6LED3-6D9LED435K8FL35WHWT	14	120V 1P 2W	700
J	0	(1)	FLUSH MOUNT FIXTURE	CEILING	EATON FM19WR40R	30.5	120V 1P 2W	2450
M	0	(1) LED	PENDANT/CHANDLIER FIXTURE	PENDANT	EATON 1800RLM80L401MUNVSTD	42	120V 1P 2W	4611
N	Ю	(1) LED	OUTDOOR WALL SCONCE, HALF MOON, BRONZE	WALL	MAXIM ZENITH LED E26	12	120V 1P 2W	1100
T1	ю	(4)	8'-0" TRACK SECTION W/ 4 TRACK HEADS	CEILING	PRESCOLITE AKT8 W/ AKTMNLED9L40K8 TRACK HEAD	56	120V 1P 2W	900

APPENDIX B 2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

ELECTRICAL DESIGN

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:

Energy Code: Prescripti
ASHRAE 90.1: Prescripti

Lighting schedule (each fixture type)
lamp type required in fixture

number of lamps in fixture ballast type used in the fixture

number of ballasts in fixture

 $\frac{3216/3636}{}$  total interior wattage specified vs. allowed (whole building or space by space)

SEE FIXTURE SCHEDULE

900/490 total exterior wattage specified vs. allowed

Additional Prescriptive Compliance

506.2.1 More Efficient HVAC Equipment

☐ 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

PERMITTING STAMP:

Designed to Build

A Sensible Approach

ANDREW W. PRIVETTE, AIA

1920 FT. BRAGG ROAD
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Jun 29, 2020



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295 LOCKLEAR RD
P.O. Box 1117
Pembroke, NC 28372
Voice: 910-521-7213
Fax: 910-521-7213
www.coastalplainseng.com

EL BURRITO MEXICAN RESTAURANT SHOPPES AT SUMMIT 1625 BUFFALO LAKE RD SANFORD, NORTH CAROLINA

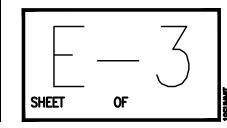
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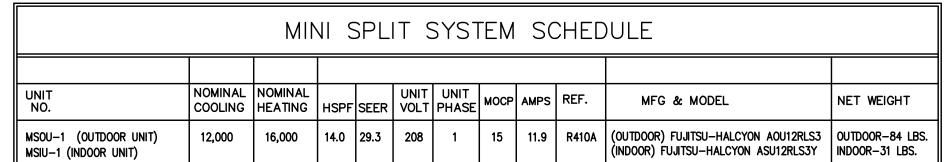
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SHEET TITLE:
LIGHTING PLAN AND
SCHEDULES





HOOD EX. HOOD SU. TOTALS

BUILDING PRESSURIZATION +66 CFM

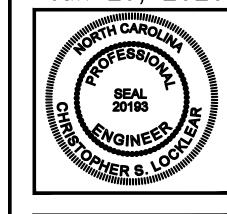
WITH THE ELECTRICAL CONTRACTOR.

WITHOUT COST TO THE OWNER.



ANDREW W. PRIVETTE, AIA 1920 FT. BRAGG ROAD FAYETTEVILLE, NORTH CAROLINA 28303 TELE. (910) 485-8567 andy@designedtobuild.com

Jun 29, 2020



Engineering Coastal Plains

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SHEET TITLE:

HVAC NOTES AND SCHEDULES

SHEET

PLENUM PROTECTION NOZZLE							MI	NI S	SPLI	IT S	SYSTEN	1 SCI	HEDU	LE		
DUCT PROTECTION NOZZLE				UNIT NO.		NOMINAL COOLING	NOMINAL HEATING	HSPF	SEER	UNIT VOLT	UNIT PHASE MOC	P AMPS F	REF.	MFG & MOD	DEL	NET WEIGH
DECTECTOR				MSOU-	-1 (OUTDOOR UNIT) -1 (INDOOR UNIT)	12,000	16,000	14.0	29.3	208	1 15	11.9	R410A (OU	TDOOR) FUJITSU- DOOR) FUJITSU-H	-HALCYON AOU12R ALCYON ASU12RLS	RLS3 OUTDOOR-84 S3Y INDOOR-31 L
									P	ACI	KAGED	GAS	PA(	CK SCH	EDULE	
APPLIANCE PROTECTION	UNIT NO.	TOTAL CFM	O.A. CFM	EXT. E	EVAP. COMPRESSOR	NO. OF COMPR.	FAN NO. AMPS FAI	OF MO	CA MO	IOCP \	UNIT UNIT	GROSS COOLING	IEER EER	HEATING (IN/OUT)	AFLUE REF	RIG. R
APPLIANCE PROTECTION /																TRANE: YSC

REMOTE MANUAL PULL STATION

REMOVABLE STAINLESS

STEEL SERVICE DOOR

AGENT TANK

└ OEM RELEASE/ BRACKET ASSEMBLY

UNIT NO.	TOTAL CFM	O.A. CFM	EXT. S.P.	EVAP. FAN HP	COMPRESSOR AMPS	NO. OF COMPR.	FAN AMPS	NO. OF FANS	MCA	моср	UNIT VOLT	UNIT PHASE	GROSS COOLING	IEER /EER	HEATING (IN/OUT)	AFLUE	REFRIG.	REMARKS	NET WEIGHT (NOT INCLUDING ACCESSORIES)
RTU-1	3,000		0.58	2.75	45.0	2 SCROLL	4.0	1	42	50	208	3	94,800	12.7/ 11.20	200,000/160,000	80%		TRANE: YSC092F3 7.5 TON PACKAGED GAS PACK ECONOMIZER, (ENTHALPY CONTROL)	1026 LBS.
RTU-2	3,000	1	0.58	2.75	15.9	2 SCROLL	4.0	1	42	50	208	3	94,800	12.7/ 11.20	200,000/ 160,000	80%		TRANE: YSC092F3 7.5 TON PACKAGED GAS PACK ECONOMIZER, (ENTHALPY CONTROL)	1026 LBS.
RTU-3	3,000	-	0.58	2.75	15.9	2 SCROLL	4.0	1	42	50	208	3	94,800	12.7/ 11.20	200,000/ 160,000	80%		TRANE: YSC092F3 7.5 TON PACKAGED GAS PACK ECONOMIZER, (ENTHALPY CONTROL)	1026 LBS.

CONDENSING UNIT SCHEDULE

WIRE SIZE

(DU. 75 C)

*#*12

1740 208 3 DIRECT CAPTIVAIRE A2-D.250-G10

SYMBOL

---R---

S/A

R/A

0/A

S/D

P.C.

SEER

MFG & MODEL

MECHANICAL LEGEND

RECTANGULAR CEILING MOUNTED S/A DIFFUSER

RUNNOUT TO DIFFUSER W/VOLUME DAMPER

HEATING AND COOLING THERMOSTAT. MOUNT

DUCT SMOKE DETECTOR - FURNISHED BY M.C.,

MANUAL DAMPER WITH LOCKING QUADRANTS

SYSTEM EMERGENCY SHUT-OFF SWITCH (RED LABELED)

90 DEG. ELBOW W/ TURINING VANES

5'-0" A.F.F. AUTOMATIC CHANGEOVER.

INSTALLED BY M.C., WIRED BY M.C.

AND CONE EXTRACTOR

REFRIGERANT PIPING

SUPPLY AIR

RETURN AIR

OUTSIDE AIR

SPLITTER DAMPER

BACKDRAFT DAMPER

ABOVE FINISHED FLOOR

PLUMBING CONTRACTOR

MECHANICAL CONTRACTOR

ELECTRICAL CONTRACTOR

VERTICAL FIRE DAMPER

DUCT SMOKE DETECTOR

CEILING FIRE/RADIATION DAMPER

**PERMITTING STAMP:** 

CONDENSATE DRAIN PIPING

DESCRIPTION

RECTANGULAR CEILING MOUNTED R/A OR EXHAUST GRILLE

14 CAPTIVAIRE 24ACC430W

REMARKS

2.5 TON CONDENSING UNIT - 134 LBS

OUTDOOR UNIT

UNIT UNIT

MAKE-UP AIR UNIT

3736 0.75 2 HP

VOLT PHASE

MOCP

208 1 25 16.8

MCA

RLA

AMPS

SERVICE

HOOD

+1000 -4670

LOCATION

AIR BALANCE SCHEDULE

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

ALL DUCTS SHALL BE AIR TIGHT, RIGID AND FREE FROM VIBRATION AND NOISE.

SHALL BE INSTALLED WHERE NECESSARY TO GUIDE AND CONTROL THE AIR FLOW. PROVIDE SHEET METAL SLEEVES AND COLLARS WHERE DUCTS PASS THROUGH WALLS.

ALL LAP JOINTS SHALL BE IN THE DIRECTION OF FLOW. VOLUME OR SPLITTER DAMPERS

STRUCTURAL MEMBERS OF THE BUILDING SHALL NOT BE CUT IN ANY MANNER FOR THE

MECHANICAL CONTRACTOR TO CONFIRM BREAKER/DISCONNECT SIZES OF HIS EQUIPMENT

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

ACTIVATED. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THE DUCT DETECTOR AND RUN THE NECESSARY CONTROL WIRING FROM THE DETECTOR TO HIS

MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS AND

ALL EQUIPMENT MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE

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

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

OF DEFECTS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK OR

EQUIPMENT. SMOKE DETECTORS ARE ONLY REQUIRED FOR UNITS SUPPLYING 2000 CFM OR MORE.

SHALL BE WIRED TO SHUT DOWN THE FAN IN THE EVENT THE DETECTOR IS

MECHANICAL CONTRACTOR SHALL PROVIDE A TEST AND BALANCE REPORT

ROUTING OF ALL DUCTWORK WITH OTHER TRADES TO AVOID CONFLICTS.

**HVAC NOTES** 

ALL THERMOSTATS SHALL BE OF A PROGRAMMABLE TYPE.

SYSTEM COMPLIANCE STATEMENT REQUIRES A WRITTEN T&B REPORT. FINAL PROJECT SIGNOFF WILL BE DENIED WITHOUT THIS REPORT

INSTALLATION OF ANY EQUIPMENT UNLESS PRIOR APPROVAL IS OBTAINED FROM THE

MIN. R-8.0 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

TOTAL AIR RECIRC. AIR O/S AIR EXH. CFM MUA

ROOF

NO. OF

FANS

CFM S.P.

	EVALUAÇE DICED	
HANGING ANGLE ———	- 100W VAPORPROOF INCANDESCENT LIGHT	
3" STANDOFF		SUPPLY RISER WITH VOLUME DAMPER
IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS	16" U.L. CLASSIFIED BAFFLE-TYPE GREASE FILTERS	23.5% OPEN STAINLESS STEEL PERFORATED PANEL
IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS	GREASE DRAIN WITH REMOVABLE CUP	TENIONATED TANCE
	33" MIN 48" MAX	
	78" TYP	•
	EQUIPMENT BY OTHERS	
	<u> </u>	

KITCHEN HOOD DETAILS

SF # OF OCCUPANTS O.A. CFM PER O.A CFM PER O.A. CFM REQUIRED (Vbz) EXAUST CFM REQUIRED

SF # OF OCCUPANTS O.A. CFM PER O.A CFM PER O.A. CFM REQUIRED (Vbz) EXAUST CFM REQUIRED

9.02

200.94

204.6

1097.4

3.06

1515.02

1515.02

34.2

10.16

55.6

55.6

140

140

280

280

456

456

456

OUTSIDE AIR CALCULATION -2018 NC MECHANICAL CODE (TABLE 403.3.1.1) Vbz = RpPz + RaAz

7.5

7.5

7.5

PERSON (Rp) SqFt (Ra)

PERSON (Rp) SqFt (Ra)

0.06

0.18

0.18

0.18

0.06

0.12

FAN AND LIGHT CONTROL PANEL

TYPICAL ANSUL R-102 SYSTEM LAYOUT

NOZZLE

OPTIONAL PRE-WIRED ELECTRICAL

TERMINAL BOX WITH TERMINAL STRIPS,

(IF APPLICABLE)

3-PHASE CONTACTORS AND OVERLOADS

M1

109

OCCUPANCY TYPE:

**FOYER** 

WAITING

DINING

CORRIDOR

WOMEN

TOTAL CFM REQUIRED

OCCUPANCY TYPE:

WAITING STATION

TOTAL CFM REQUIRED

TOTAL CFM FURNISHED

STORAGE

OFFICE

TOTAL CFM FURNISHED

MEN

RTU-3 KITCHEN

•												
	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.,							
©	300-400	4 WAY	10 X 10	10"	PRICE SERIES ASCD OFF WHITE, ALUM.,							
D	300-400	SINGLE DEFLECTION	16 X 6	10"	PRICE SERIES 610 OFF WHITE, ALUM.,							
E		N/A	12 X 12	SEE PLAN	PRICE SERIES 630 OFF WHITE, ALUM., RETURN							
F		N/A	20 X 20	SEE PLAN	PRICE SERIES 630 OFF WHITE, ALUM., RETURN							

MARK |LOCATION|SERVICE | CFM | S.P. | WATTS | RPM |VOLT |PHASE | DRIVE

HOOD 4670 1.0" 2.10 1495 208 BHP

EF3,4 | CEILING | TOILETS | 140 | 0.1" | 100 | 710 | 120 |

EF1 ROOF

DIFFUSER/RETURN SCHEDULE											
MARK ON PLANS	СҒМ	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.,						
0	300-400	4 WAY	10 X 10	10"	PRICE SERIES ASCD OFF WHITE, ALUM.,						
<b>(a)</b>	300-400	SINGLE DEFLECTION	16 X 6	10"	PRICE SERIES 610 OFF WHITE, ALUM.,						
E		N/A	12 X 12		PRICE SERIES 630						

FAN SCHEDULE

REMARKS

DIRECT ROOF MTD. UPBLAST EXHAUST FAN. GREENHECK CUE-180-2

OR EQUAL.

BROAN #L150 OR EQ.
6" FLEX TO ROOF/WALL CAP
T CLASS O OR 1 FLEX ONLY NO
RES I DENTIAL TYPE FLEX
PERMITTED

PPENDIX	В	2018	BUILDING	CODE	SUMMARY	FOR	ALL	
0141455014		DD0 15	TOTO					

MECHANICAL DESIGN

winter dry bulb:

Mechanical Spacing Conditioning System

heating efficiency: 78% AFLUE/8.50 HSPF cooling efficiency: 12.6 IEER/13.0 SEER size category of unit: <u>7.5 TONS</u>

If oversized, state reason.: \_\_\_\_

COMMERCIAL PROJECTS

description of unit: PACKAGE GAS PACKS/ SPLIT SYS.

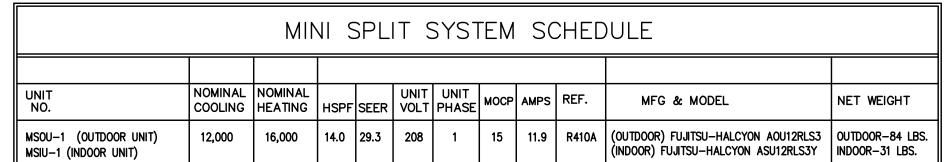
Size category. If oversized, state reason.: \_\_\_

List equipment efficiencies: \_\_\_\_\_

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

163,374 BTU

EACH CONTRACTOR IS REQUIRED TO INCLUDE ALL MINOR ITEMS, WHETHER OR NOT SHOWN ON PLANS, AS REQUIRED BY CODE AND FOR WORKING SYSTEMS, IN INITIAL COST OF WORK, AND AT NO ADDITIONAL COST TO THE OWNER ANY DEVIATIONS FROM THESE DRAWINGS AND SPECIFICATIONS BY THE OWNER OR CONTRACTOR MUST BE APPROVED BY THE ARCHITECT IN WRITING AND PRIOR TO CONSTRUCTION. COPYRIGHT © ALL RIGHTS RESERVED BY DESIGNED TO BUILD. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.



HOOD EX. HOOD SU. TOTALS

BUILDING PRESSURIZATION +66 CFM

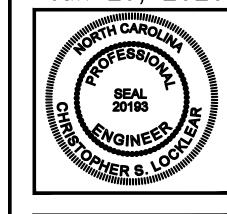
WITH THE ELECTRICAL CONTRACTOR.

WITHOUT COST TO THE OWNER.



ANDREW W. PRIVETTE, AIA 1920 FT. BRAGG ROAD FAYETTEVILLE, NORTH CAROLINA 28303 TELE. (910) 485-8567 andy@designedtobuild.com

Jun 29, 2020



Engineering Coastal Plains

JRRITO SHOPPI 1625 B ANFORD, BO

JOB CODE: 19SUMMIT DRAWN BY: CHECKED BY: COPYRIGHT: DESIGNED TO BUILD

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SHEET TITLE:

HVAC NOTES AND SCHEDULES

SHEET

PLENUM PROTECTION NOZZLE							MI	NI S	SPLI	IT S	SYSTEN	1 SCI	HEDU	LE		
DUCT PROTECTION NOZZLE				UNIT NO.		NOMINAL COOLING	NOMINAL HEATING	HSPF	SEER	UNIT VOLT	UNIT PHASE MOC	P AMPS F	REF.	MFG & MOD	DEL	NET WEIGH
DECTECTOR				MSOU-	-1 (OUTDOOR UNIT) -1 (INDOOR UNIT)	12,000	16,000	14.0	29.3	208	1 15	11.9	R410A (OU	TDOOR) FUJITSU- DOOR) FUJITSU-H	-HALCYON AOU12R ALCYON ASU12RLS	RLS3 OUTDOOR-84 S3Y INDOOR-31 L
									P	ACI	KAGED	GAS	PA(	CK SCH	EDULE	
APPLIANCE PROTECTION	UNIT NO.	TOTAL CFM	O.A. CFM	EXT. E	EVAP. COMPRESSOR	NO. OF COMPR.	FAN NO. AMPS FAI	OF MO	CA MO	IOCP \	UNIT UNIT	GROSS COOLING	IEER EER	HEATING (IN/OUT)	AFLUE REF	RIG. R
APPLIANCE PROTECTION /																TRANE: YSC

REMOTE MANUAL PULL STATION

REMOVABLE STAINLESS

STEEL SERVICE DOOR

AGENT TANK

└ OEM RELEASE/ BRACKET ASSEMBLY

UNIT NO.	TOTAL CFM	O.A. CFM	EXT. S.P.	EVAP. FAN HP	COMPRESSOR AMPS	NO. OF COMPR.	FAN AMPS	NO. OF FANS	MCA	моср	UNIT VOLT	UNIT PHASE	GROSS COOLING	IEER /EER	HEATING (IN/OUT)	AFLUE	REFRIG.	REMARKS	NET WEIGHT (NOT INCLUDING ACCESSORIES)
RTU-1	3,000		0.58	2.75	45.0	2 SCROLL	4.0	1	42	50	208	3	94,800	12.7/ 11.20	200,000/160,000	80%		TRANE: YSC092F3 7.5 TON PACKAGED GAS PACK ECONOMIZER, (ENTHALPY CONTROL)	1026 LBS.
RTU-2	3,000	1	0.58	2.75	15.9	2 SCROLL	4.0	1	42	50	208	3	94,800	12.7/ 11.20	200,000/ 160,000	80%		TRANE: YSC092F3 7.5 TON PACKAGED GAS PACK ECONOMIZER, (ENTHALPY CONTROL)	1026 LBS.
RTU-3	3,000	-	0.58	2.75	15.9	2 SCROLL	4.0	1	42	50	208	3	94,800	12.7/ 11.20	200,000/ 160,000	80%		TRANE: YSC092F3 7.5 TON PACKAGED GAS PACK ECONOMIZER, (ENTHALPY CONTROL)	1026 LBS.

CONDENSING UNIT SCHEDULE

WIRE SIZE

(DU. 75 C)

*#*12

1740 208 3 DIRECT CAPTIVAIRE A2-D.250-G10

SYMBOL

---R---

S/A

R/A

0/A

S/D

P.C.

SEER

MFG & MODEL

MECHANICAL LEGEND

RECTANGULAR CEILING MOUNTED S/A DIFFUSER

RUNNOUT TO DIFFUSER W/VOLUME DAMPER

HEATING AND COOLING THERMOSTAT. MOUNT

DUCT SMOKE DETECTOR - FURNISHED BY M.C.,

MANUAL DAMPER WITH LOCKING QUADRANTS

SYSTEM EMERGENCY SHUT-OFF SWITCH (RED LABELED)

90 DEG. ELBOW W/ TURINING VANES

5'-0" A.F.F. AUTOMATIC CHANGEOVER.

INSTALLED BY M.C., WIRED BY M.C.

AND CONE EXTRACTOR

REFRIGERANT PIPING

SUPPLY AIR

RETURN AIR

OUTSIDE AIR

SPLITTER DAMPER

BACKDRAFT DAMPER

ABOVE FINISHED FLOOR

PLUMBING CONTRACTOR

MECHANICAL CONTRACTOR

ELECTRICAL CONTRACTOR

VERTICAL FIRE DAMPER

DUCT SMOKE DETECTOR

CEILING FIRE/RADIATION DAMPER

**PERMITTING STAMP:** 

CONDENSATE DRAIN PIPING

DESCRIPTION

RECTANGULAR CEILING MOUNTED R/A OR EXHAUST GRILLE

14 CAPTIVAIRE 24ACC430W

REMARKS

2.5 TON CONDENSING UNIT - 134 LBS

OUTDOOR UNIT

UNIT UNIT

MAKE-UP AIR UNIT

3736 0.75 2 HP

VOLT PHASE

MOCP

208 1 25 16.8

MCA

RLA

AMPS

SERVICE

HOOD

+1000 -4670

LOCATION

AIR BALANCE SCHEDULE

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

ALL DUCTS SHALL BE AIR TIGHT, RIGID AND FREE FROM VIBRATION AND NOISE.

SHALL BE INSTALLED WHERE NECESSARY TO GUIDE AND CONTROL THE AIR FLOW. PROVIDE SHEET METAL SLEEVES AND COLLARS WHERE DUCTS PASS THROUGH WALLS.

ALL LAP JOINTS SHALL BE IN THE DIRECTION OF FLOW. VOLUME OR SPLITTER DAMPERS

STRUCTURAL MEMBERS OF THE BUILDING SHALL NOT BE CUT IN ANY MANNER FOR THE

MECHANICAL CONTRACTOR TO CONFIRM BREAKER/DISCONNECT SIZES OF HIS EQUIPMENT

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

ACTIVATED. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THE DUCT DETECTOR AND RUN THE NECESSARY CONTROL WIRING FROM THE DETECTOR TO HIS

MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS AND

ALL EQUIPMENT MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED TO BE FREE

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

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

OF DEFECTS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE WORK OR

EQUIPMENT. SMOKE DETECTORS ARE ONLY REQUIRED FOR UNITS SUPPLYING 2000 CFM OR MORE.

SHALL BE WIRED TO SHUT DOWN THE FAN IN THE EVENT THE DETECTOR IS

MECHANICAL CONTRACTOR SHALL PROVIDE A TEST AND BALANCE REPORT

ROUTING OF ALL DUCTWORK WITH OTHER TRADES TO AVOID CONFLICTS.

**HVAC NOTES** 

ALL THERMOSTATS SHALL BE OF A PROGRAMMABLE TYPE.

SYSTEM COMPLIANCE STATEMENT REQUIRES A WRITTEN T&B REPORT. FINAL PROJECT SIGNOFF WILL BE DENIED WITHOUT THIS REPORT

INSTALLATION OF ANY EQUIPMENT UNLESS PRIOR APPROVAL IS OBTAINED FROM THE

MIN. R-8.0 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

TOTAL AIR RECIRC. AIR O/S AIR EXH. CFM MUA

ROOF

NO. OF

FANS

CFM S.P.

	EVALUAÇE DICED	
HANGING ANGLE ———	- 100W VAPORPROOF INCANDESCENT LIGHT	
3" STANDOFF		SUPPLY RISER WITH VOLUME DAMPER
IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS	16" U.L. CLASSIFIED BAFFLE-TYPE GREASE FILTERS	23.5% OPEN STAINLESS STEEL PERFORATED PANEL
IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS	GREASE DRAIN WITH REMOVABLE CUP	TENIONATED TANCE
	33" MIN 48" MAX	
	78" TYP	•
	EQUIPMENT BY OTHERS	
	<u> </u>	

KITCHEN HOOD DETAILS

SF # OF OCCUPANTS O.A. CFM PER O.A CFM PER O.A. CFM REQUIRED (Vbz) EXAUST CFM REQUIRED

SF # OF OCCUPANTS O.A. CFM PER O.A CFM PER O.A. CFM REQUIRED (Vbz) EXAUST CFM REQUIRED

9.02

200.94

204.6

1097.4

3.06

1515.02

1515.02

34.2

10.16

55.6

55.6

140

140

280

280

456

456

456

OUTSIDE AIR CALCULATION -2018 NC MECHANICAL CODE (TABLE 403.3.1.1) Vbz = RpPz + RaAz

7.5

7.5

7.5

PERSON (Rp) SqFt (Ra)

PERSON (Rp) SqFt (Ra)

0.06

0.18

0.18

0.18

0.06

0.12

FAN AND LIGHT CONTROL PANEL

TYPICAL ANSUL R-102 SYSTEM LAYOUT

NOZZLE

OPTIONAL PRE-WIRED ELECTRICAL

TERMINAL BOX WITH TERMINAL STRIPS,

(IF APPLICABLE)

3-PHASE CONTACTORS AND OVERLOADS

M1

109

OCCUPANCY TYPE:

**FOYER** 

WAITING

DINING

CORRIDOR

WOMEN

TOTAL CFM REQUIRED

OCCUPANCY TYPE:

WAITING STATION

TOTAL CFM REQUIRED

TOTAL CFM FURNISHED

STORAGE

OFFICE

TOTAL CFM FURNISHED

MEN

RTU-3 KITCHEN

•												
	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.,							
©	300-400	4 WAY	10 X 10	10"	PRICE SERIES ASCD OFF WHITE, ALUM.,							
D	300-400	SINGLE DEFLECTION	16 X 6	10"	PRICE SERIES 610 OFF WHITE, ALUM.,							
E		N/A	12 X 12	SEE PLAN	PRICE SERIES 630 OFF WHITE, ALUM., RETURN							
F		N/A	20 X 20	SEE PLAN	PRICE SERIES 630 OFF WHITE, ALUM., RETURN							

MARK |LOCATION|SERVICE | CFM | S.P. | WATTS | RPM |VOLT |PHASE | DRIVE

HOOD 4670 1.0" 2.10 1495 208 BHP

EF3,4 | CEILING | TOILETS | 140 | 0.1" | 100 | 710 | 120 |

EF1 ROOF

DIFFUSER/RETURN SCHEDULE											
MARK ON PLANS	СҒМ	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.,						
0	300-400	4 WAY	10 X 10	10"	PRICE SERIES ASCD OFF WHITE, ALUM.,						
<b>(a)</b>	300-400	SINGLE DEFLECTION	16 X 6	10"	PRICE SERIES 610 OFF WHITE, ALUM.,						
E		N/A	12 X 12		PRICE SERIES 630						

FAN SCHEDULE

REMARKS

DIRECT ROOF MTD. UPBLAST EXHAUST FAN. GREENHECK CUE-180-2

OR EQUAL.

BROAN #L150 OR EQ.
6" FLEX TO ROOF/WALL CAP
T CLASS O OR 1 FLEX ONLY NO
RES I DENTIAL TYPE FLEX
PERMITTED

PPENDIX	В	2018	BUILDING	CODE	SUMMARY	FOR	ALL	
0141455014		DD0 15	TOTO					

MECHANICAL DESIGN

winter dry bulb:

Mechanical Spacing Conditioning System

heating efficiency: 78% AFLUE/8.50 HSPF cooling efficiency: 12.6 IEER/13.0 SEER size category of unit: <u>7.5 TONS</u>

If oversized, state reason.: \_\_\_\_

COMMERCIAL PROJECTS

description of unit: PACKAGE GAS PACKS/ SPLIT SYS.

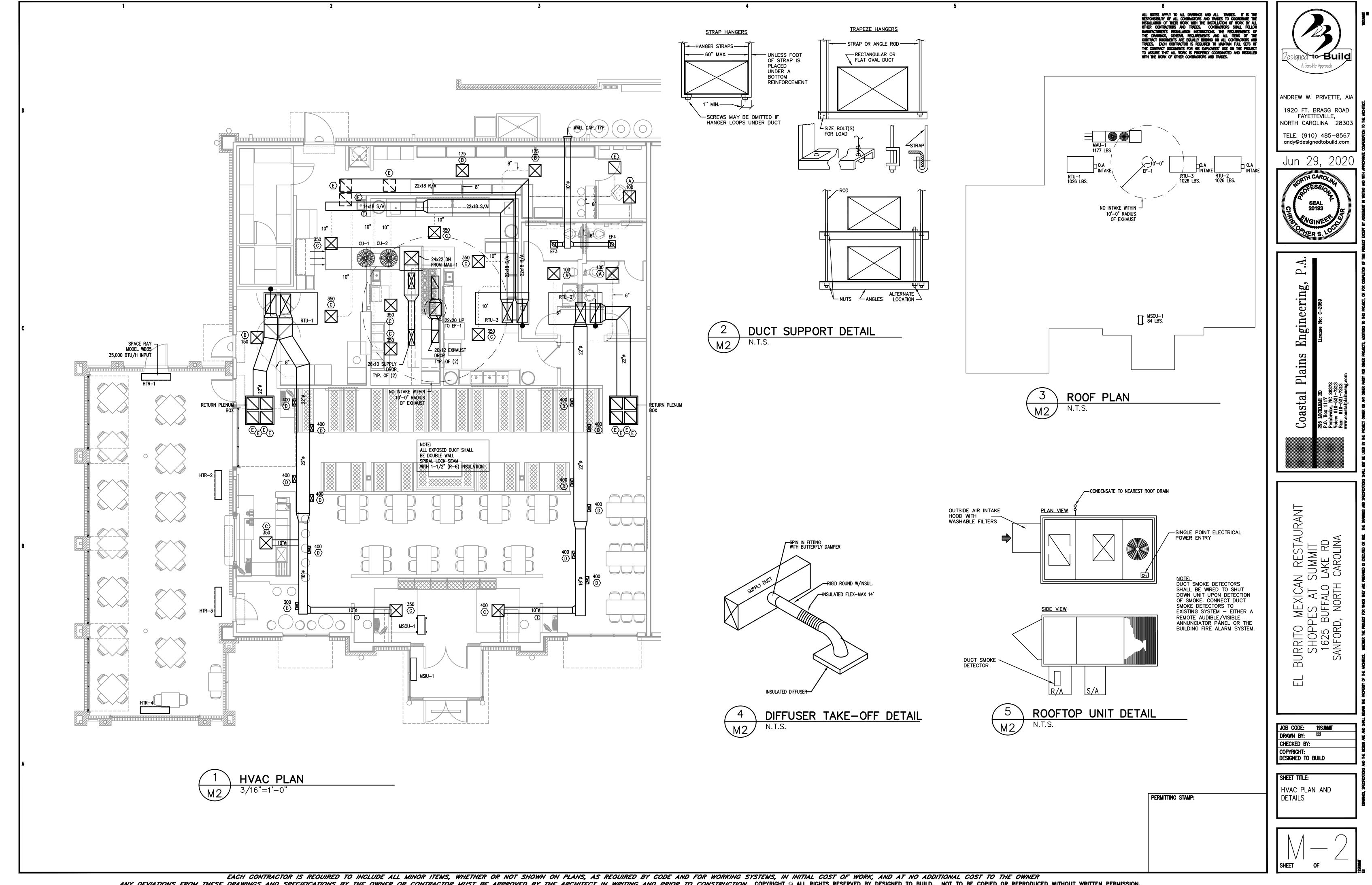
Size category. If oversized, state reason.: \_\_\_

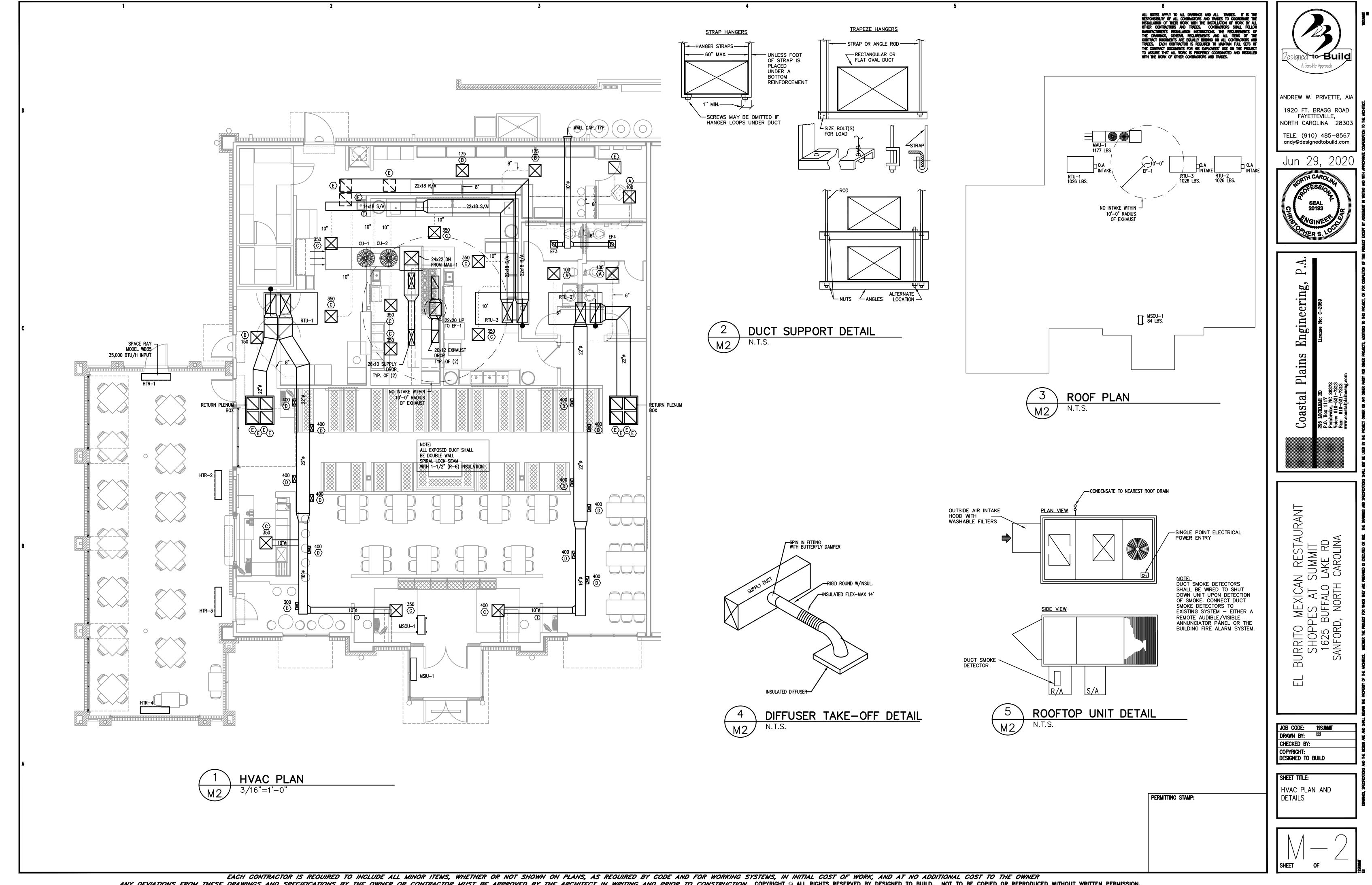
List equipment efficiencies: \_\_\_\_\_

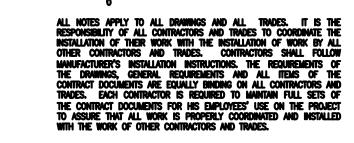
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

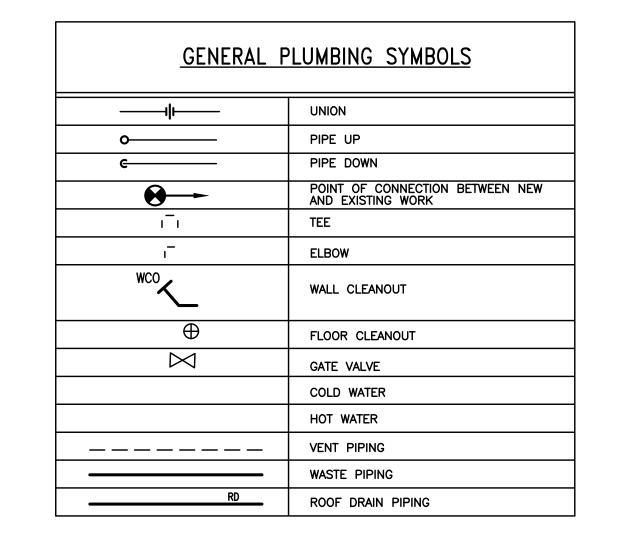
163,374 BTU

EACH CONTRACTOR IS REQUIRED TO INCLUDE ALL MINOR ITEMS, WHETHER OR NOT SHOWN ON PLANS, AS REQUIRED BY CODE AND FOR WORKING SYSTEMS, IN INITIAL COST OF WORK, AND AT NO ADDITIONAL COST TO THE OWNER ANY DEVIATIONS FROM THESE DRAWINGS AND SPECIFICATIONS BY THE OWNER OR CONTRACTOR MUST BE APPROVED BY THE ARCHITECT IN WRITING AND PRIOR TO CONSTRUCTION. COPYRIGHT © ALL RIGHTS RESERVED BY DESIGNED TO BUILD. NOT TO BE COPIED OR REPRODUCED WITHOUT WRITTEN PERMISSION.









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WATER LINES BELOW GRADE SHALL BE TYPE "K" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE "L" COPPER SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR TWO HOURS AT 100 PSI. ALL WATER PIPING AT WATER FIXTURES SHALL BE PROVIDED WITH 18" AIR CHAMBERS OR SHOCK ABSORBERS. STOPS SHALL BE PROVIDED ON HOT AND COLD WATER LINES. HOT WATER PIPING SHALL BE INSULATED WITH 1" CLOSED CELL RUBBER. THE ENTIRE WATER SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE PVC/PEX MAYBE SUBSTITUED FOR COPPER

SANITARY SEWER LINES SHALL BE PVC.

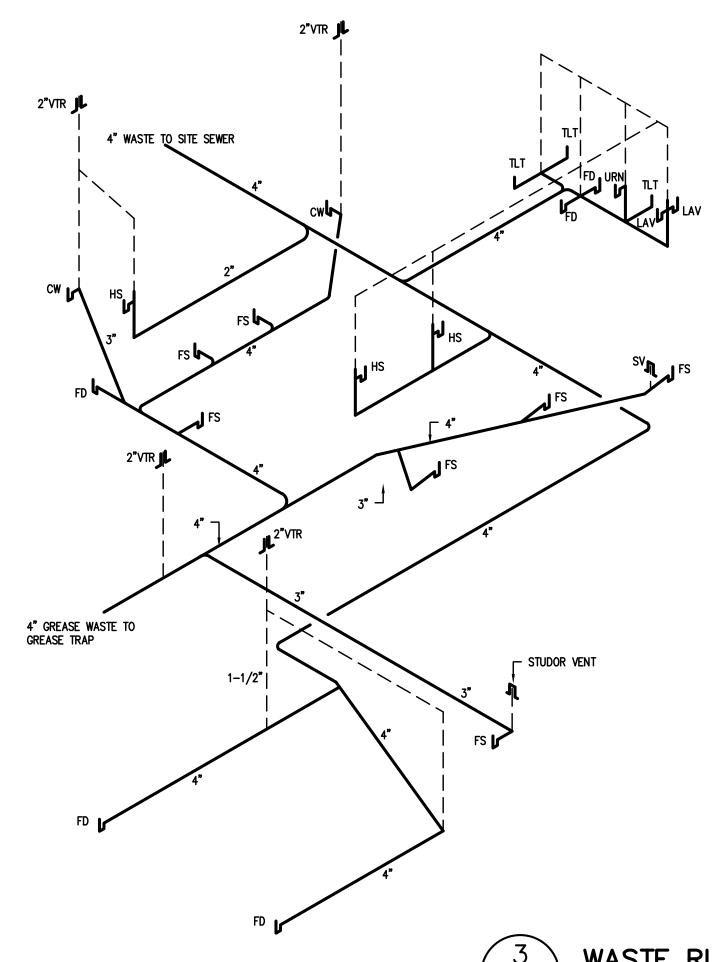
PROVIDE PRESSURE REDUCING VALVE IF STREET WATER EXCEEDS 80 PSI GAS PIPING WILL BE SCHEDULE 40 BLACK STEEL WITH BLACK MALLEABLE IRON SCREW-TYPE FITTINGS.

THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK AND SHALL INSTALL FIRE RATED SLEEVES WHEREVER PENETRATIONS OF RATED WALLS OR FLOORS ARE MADE. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS AND ARCHITECTURAL SITE PLANS FOR WORK BY OTHERS.

LOCATION OF UTILITIES (WASTE AND WATER LINES, MANHOLES ETC.) THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE THE FINAL CONNECTION AS

ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMERS

PLUMBING NOTES



P1

WASTE RISER DETAIL

PLUMBING PLAN-WASTE

FLOOR SINK W/
TRAP PRIMER, TYP.

4" WASTE TO GREASE TRAP -

FOR LOCATION

4" S.S. TO SITE(

SEE CIVIL PLANS

2000 GAL GREASE INTERCEPTOR

PROVIDE LID LOADING APPROPRIATE

SEE SITE CIVIL FOR EXACT LOCATION

- FLOOR DRAIN W/ TRAP PRIMER, TYP.

4" S.S. TO SITE SEWER

ANDREW W. PRIVETTE, AIA 1920 FT. BRAGG ROAD FAYETTEVILLE, NORTH CAROLINA 28303

TELE. (910) 485-8567 andy@designedtobuild.com

Jun 29, 2020



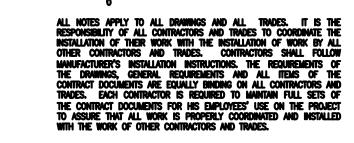
Plains

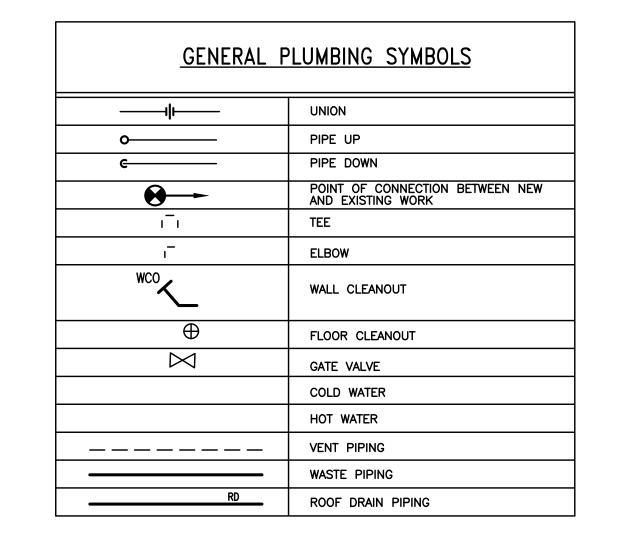
Coastal

AN RESTAURANT SUMMIT LAKE RD I CAROLINA BURRITO N SHOPPE 1625 BU SANFORD, 

JOB CODE: 19SUMMIT CHECKED BY: DESIGNED TO BUILD

PLUMBING PLAN, NOTES , SCHEDULES AND DETAILS





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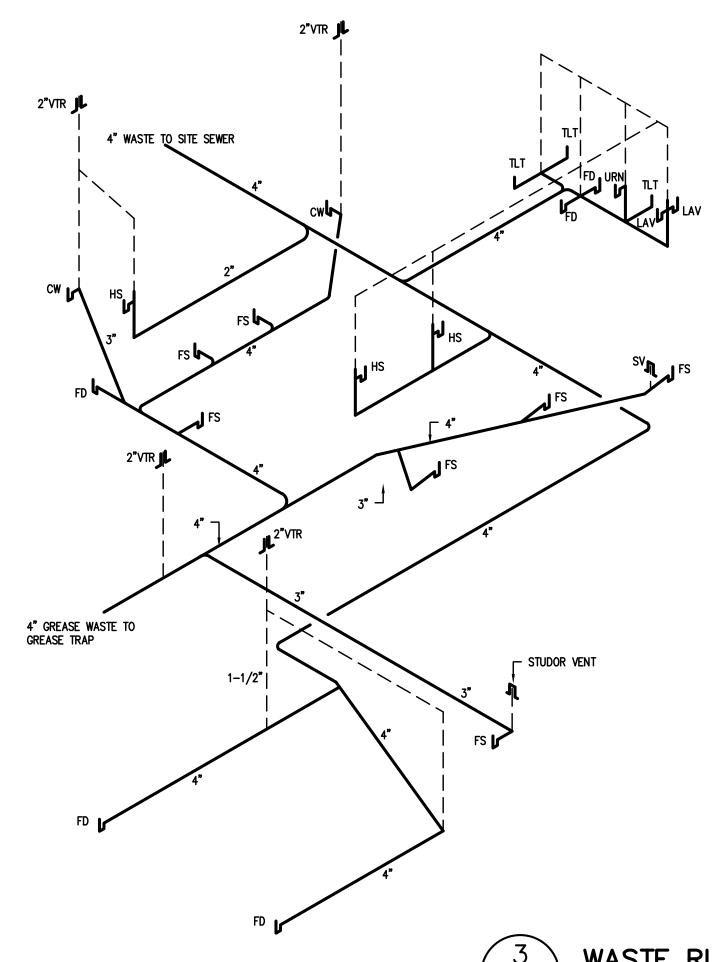
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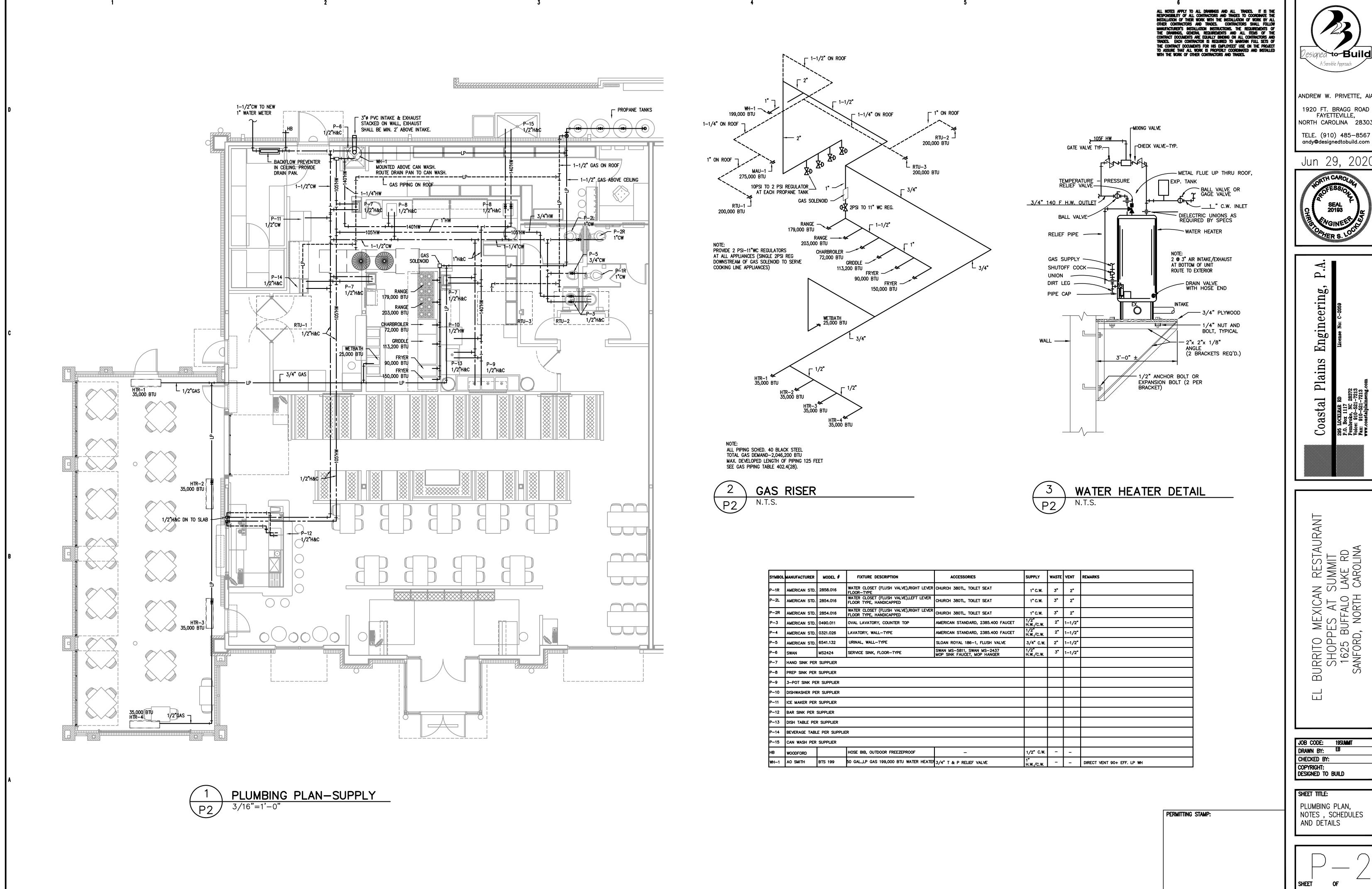
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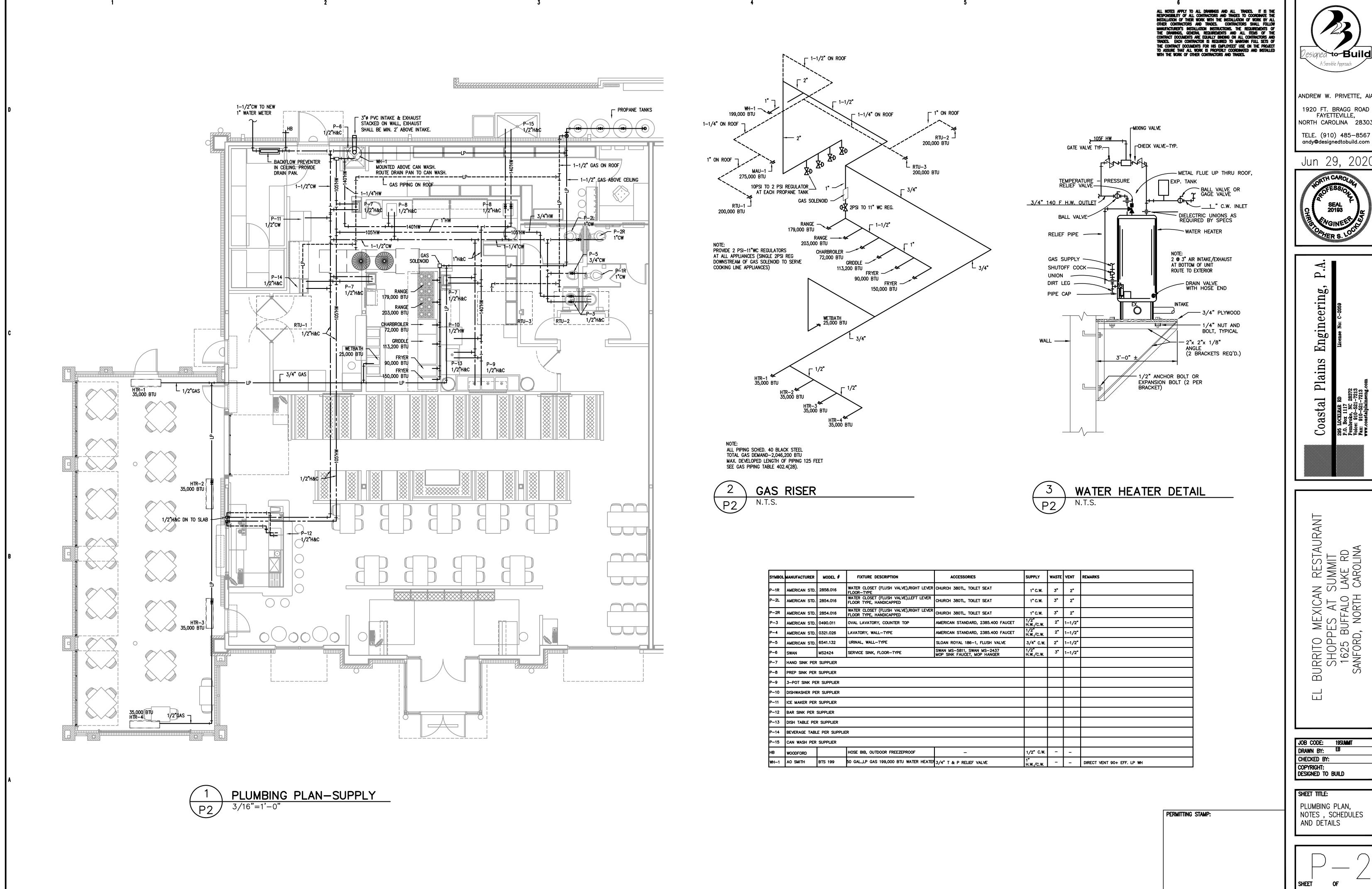
PLUMBING PLAN, NOTES , SCHEDULES AND DETAILS



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NOTES, SCHEDULES



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