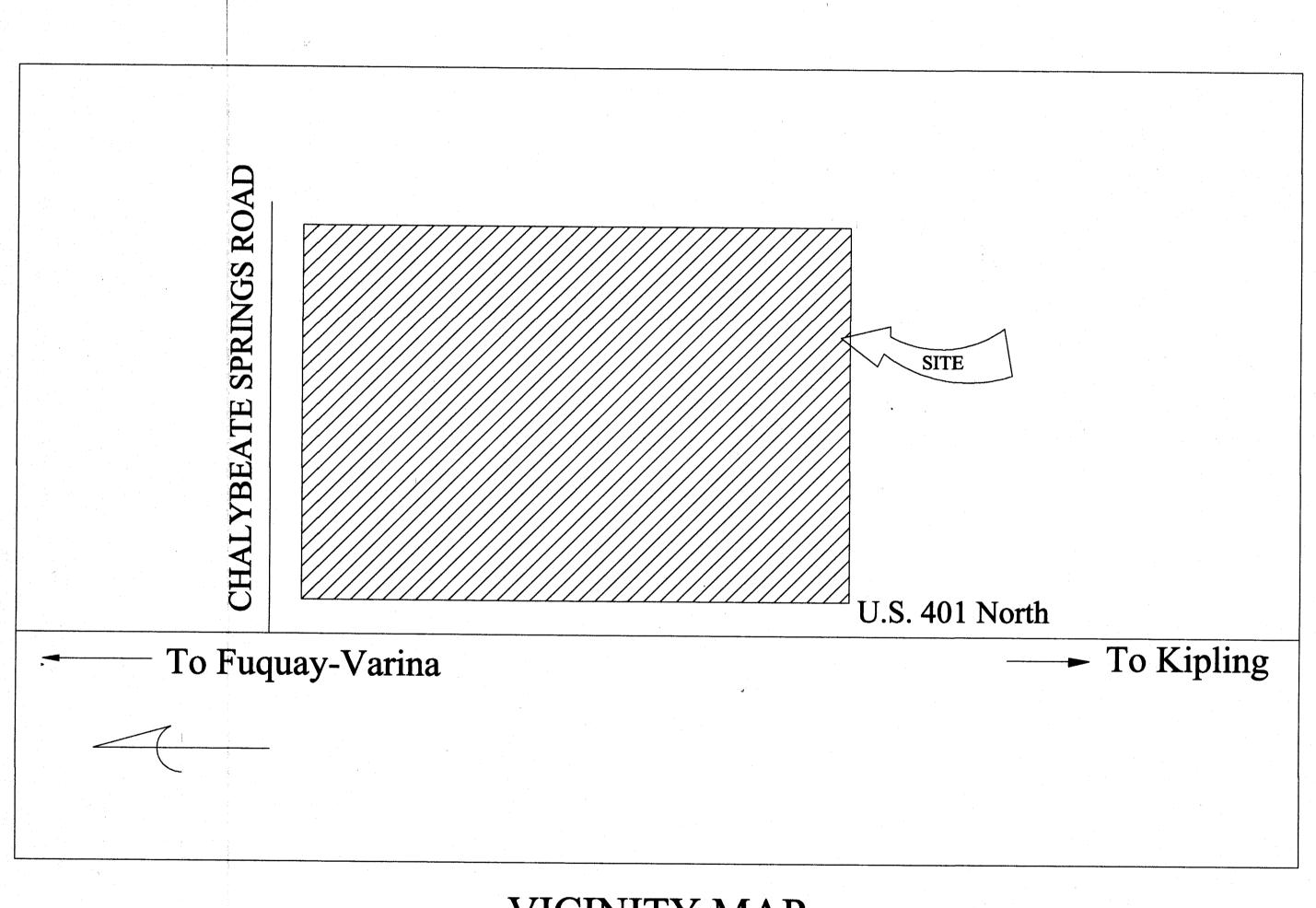
A NEW CHAMPS CONVENIENCE STORE (8920) U.S. HWAY 401 NORTH Fuquay-Varina, North Carolina 27526



	CONTENTS
Sheet	Description
AB-1	Appendix "B"
S-1	Foundation Plan
G-1	Elevations
G-2	Floor Plan
G-3	Wall Sections & Details
G-4	Wall Sections
G-5	Room Finish Schedules
E-1	Electrical Power Plan
E-2	Electrical Lighting Plan
E-3	Electric Panels
M- 1	HVAC Layout
M-2	Roof Top Layout
P-1	Plumbing Plan
LS-1	Life Safety Plan

VICINITY MAP

OWNER:

JAY AMBE SHAKTI, LLC 2100 Weaver Forest Way Morrisville, NC 27560

Phone: 910-980-6049

E-Mail: kcp162Wgmail.com

ENGINEER: ROBERT J. BRACKEN, P.E. 3768 CARBONTON ROAD SANFORD, NC 27330

FOR CONSTRUCTION USE
DESTROY ALL PREVIOUS COPIES

Palent Bracken 12/1/22

ROBERT J BRACKEN, PE DATE



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

2	COO HAL ANT	N Fuguay-Varin	a, NC	Zip Cods: 27	'526
Owner Or Author	Andria Andria	Patel Phil: 910-980-604	9 Ernall: kco162	COMMUNICATION OF THE PROPERTY	
Owner Or Author Owned By:		County Z Priv			and the same of th
•	nt Jurisdiction: City_		nty Harnett	State	
					
	obert J. Bracken, Jr P.E.	-	* ***	dint energy	B 3 4 4 5
DESIGNER: Engineer	FIRM RJB PE PA	NAME RJ Bracken	LICENSE# NC 7291	TELEPHONE# (919) 774-6074	E-MAIL bjbracken@windstream.net
Civil					
Electrical	RJB PE PA	RJ Bracken	NC 7291	(919) 774-6074	bjbracken@windstream.net
					1.1. 1. 0. 1. 1
	RJB PE PA	RJ Bracken	NC 7291	(919) 774-6074	bjbracken@windstream.net bjbracken@windstream.net
Mechanical		RJ Bracken	NC 7291	(919) 774-6074	ojoracken@windstream.net
					· i
		· · · · · · · · · · · · · · · · · · ·			
		-11			
		als such as truss, precast, pre-			
2018 NC CODE	BUILDING CODE: 💢		Addition	Renovation	
		1st Time Interior Completion			
		Shell / Core - Contact the lo procedures and requirement		iction for possible addition	onal
		Phased Construction - Shell	1 / Core - Contact the	local inspection jurisdic	tion for
		possible additional procedu			
2018 EXISTING		ISTING: Prescriptive		apter 14	•
	Alt		Level II Le	•	
		☐ Historic Prop	епу Ц СI	nange Of Use	
. CONS	TRUCTION: (Date)	CURRENT	OCCUPANCY (S) (C	CH. 3):	
		PROPOSED			
occu	PANCY CATEGORY (T	able 1604.5) Current:	: 6 1 011 6]IV	
BASIC BUILDI	NG DATA	Proposed:	i X II 🗆 III 🗆	114	
Construction Typ		A □ III-A □V-A			
Constitution 131	□ I-B □ II -				
Sprinklers: 1	No □ Partial □ Ye		PA 13R NFP	A 13D	
Standpipes:	•				
- L-L-And			Vet Drv		
Fire District:		Flood Hazard Area:		· · · · · · · · · · · · · · · · · · ·	
•	No □ Yes	Flood Hazard Area: X	No	on for additional	
•	No □ Yes		No	on for additional	
Special Inspection	No □ Yes	Flood Hazard Area: X	No	on for additional	
Special Inspection FLOOR 3rd Floor	No 🗆 Yes ons Required: 💆 No	Flood Hazard Area: XI	No	on for additional	
FLOOR 3rd Floor 2nd Floor	No 🗆 Yes ons Required: 💆 No	Flood Hazard Area: XI	No	on for additional	
FLOOR 3rd Floor 2nd Floor Mezzanine	No 🗆 Yes ons Required: 💆 No	Flood Hazard Area: XI Yes (Contact the local procedures and reason of the local procedures are procedured at the local procedures and reason of the local procedures are procedured at the local procedures and reason of the local procedures are procedured at the local procedures and reason of the local procedures are procedured at the local procedures at the local procedures are procedured at the local procedures at the local procedures are procedured at the local procedures are procedured at the local procedure at the local procedures are procedured at the local procedure at the local procedures are procedu	No	on for additional	
FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor	No Yes ons Required: No Existing (SQ. FT.)	Flood Hazard Area: XI	No	on for additional	
FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement	No Yes ons Required: No Existing (SQ. FT.)	Flood Hazard Area: XI Yes (Contact the local procedures and reason of the local procedures are procedured at the local procedures and reason of the local procedures are procedured at the local procedures and reason of the local procedures are procedured at the local procedures and reason of the local procedures are procedured at the local procedures at the local procedures are procedured at the local procedures at the local procedures are procedured at the local procedures are procedured at the local procedure at the local procedures are procedured at the local procedure at the local procedures are procedu	No DYes Inspections jurisdictication in the sequirements SUB-TOTAL	on for additional	
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FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupar Assembly	No Yes ons Required: No Existing (SQ. FT.)	Flood Hazard Area: Yes (Contact the local procedures and real NEW (SQ. FT.)	No DYes Inspections jurisdictication in the sequirements SUB-TOTAL	on for additional	
FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupar Assembly Business:	No Yes ons Required: No Existing (SQ. FT.) acy (s): Select One A-1 A-2	Flood Hazard Area: Yes (Contact the local procedures and real proc	No DYes Inspections jurisdictication in the sequirements SUB-TOTAL	on for additional	
FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupar Assembly Business: Educations	No Yes ons Required: No Existing (SQ. FT.) acy (s): Select One A-1 A-2	Flood Hazard Area: Yes (Contact the local procedures and read to the local procedures are read to the local procedures and read to the local procedures and read to the local procedures are read to the local procedures and read to the local procedures are read to the local procedures and read to the local procedures are read to the local procedures and read to the local procedures are read to t	No DYes Inspections jurisdictication in the sequirements SUB-TOTAL	on for additional	
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FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupar Assembly Business: Educations Factory Hazardous	ncy (s): Select One A-1 A-2 A F-1 Moderate B H-1 Detonate A I I -2 Condition	Flood Hazard Area: Yes (Contact the local procedures and real proc	No Pes Inspections jurisdictic equirements SUB-TOTAL 6,600 ft 6,100 ft H-4 Healti		
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FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupar Assembly Business: Educations Factory Hazardous Institution Mercantile Residentia	no Yes ons Required: No Existing (SQ. FT.) A-1	Flood Hazard Area: Yes (Contact the local procedures and real proc	No Pes Inspections jurisdictic equirements SUB-TOTAL 6,600 ft (e,600 ft mbat H-4 Healti		
FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupan Assembly Business: Educations Factory Hazardous Institution Mercantile Residentia Storage	no Yes ons Required: No Existing (SQ. FT.) A-1	Flood Hazard Area: Yes (Contact the local procedures and real proc	No Pes Inspections jurisdictic equirements SUB-TOTAL 6,600 ft (e,600 ft mbat H-4 Healti		
FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupar Assembly Business: Educations Factory Hazardous Institution Mercantile Residentia Storage	incy (s): Select One A-1 A-2 A-1 Detonate H-1 Detonate I - 2 Condition I - 3 Condition I - 3 Condition I - 4 A-1 R-2 S-1 Moderate Parking Garage Miscellaneous	Flood Hazard Area: Yes (Contact the local procedures and real proc	No	а □н-5 нрм	
FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupar Assembly Business: Educations Factory Hazardous Institution Mercantile Residentia Storage Utility and Accessory	nos Required: No Existing (SQ. FT.) A-1	Flood Hazard Area: Yes (Contact the local procedures and real proc	No Service Sequirements Sub-total Sub-total Co, Gooff The H-4 Health Repair Garage	а □н-5 нрм	
FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupar Assembly Business: Educations Factory Hazardous Institution Mercantile Residentia Storage Utility and Accessory Incidental	nos Required: No Existing (SQ. FT.) A-1	Flood Hazard Area: Yes (Contact the local procedures and real proc	No Service Sequirements Sub-Total Co. Cooff The H-4 Health Repair Garage	а □н-5 нрм	
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FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupar Assembly Business: Educations Factory Hazardous Institution Mercantile Residentia Storage Utility and Accessory Incidental Special Us	Incy (s): Select One A-1 A-2 A-1 Detonate A-1 Detonate I I-1 Condition I I-2 Condition I I-3 Condition I I-4 A-1 R-2 A-1 R-2 A-1 Condition I I-3 Condition I I-4 A-2 Condition I I-5 Condition I I-6 Condition I I-7 Condition I I-8 Condition I I-8 Condition I I-9 Condition I I-1 Condition I I-1 Condition I I-2 Condition I I-3 Condition I I-4 A I R-1 R-2 I S-1 Moderate Parking Garage I Miscellaneous Occupancy Classification Uses (Table 509): Ses (Chapter 4 - List Code ovisions: (Chapter 5 - List	Flood Hazard Area: Yes (Contact the local procedures and real proc	No Service Sequirements Sub-Total 6.600 ft 6.600 ft Market H-4 Health Repair Garage	а □н-5 нрм	
Special Inspection FLOOR 3rd Floor 2nd Floor Mezzanine 1st Floor Basement TOTAL Primary Occupant Assembly Business: Education Factory Hazardous Institution Mercantile Residential Storage Utility and Accessory Incidental Special Us Special Promited	nos Required: No Existing (SQ. FT.) Existing (SQ. FT.) A-1	Flood Hazard Area: Yes (Contact the local procedures and real proc	Inspections jurisdictic equirements SUB-TOTAL 6,600 ft 4	h □H-5 HPM	y

ontage area increase from a. Perimeter which fronts b. Total Building Perime c. Ratio (F/P) = d. W = Minimum width o e. Percent of frontage increase elimited area applicable un aximum Building Area = t e maximum Area of open control towers must comp ontage increase is based on Building Height in Feet (Ta Building Height in Stories rovide code reference if th BUILDING ELEMENT	a public way ter =(F/P) of public way I _r = 100 (F/P = 0) der conditions otal number o parking garag oly with Table in the unsprink the unsprink (Table 504.3) (Table 504.4) The "Shown on	e or open (P) = 0.25) x W // s of Section f stories ges must 412.3.1. clered ar ALL 4	30 = (on 507. in building	wing 20 fe W) (%) mg x D (m with Table n Table 5	aximum 3 stori e 406.5.4 The N 06.2	ies) 50	6.2	ir traffic		
a. Perimeter which fronts b. Total Building Perime c. Ratio (F/P) = d. W = Minimum width o e. Percent of frontage increase limited area applicable un ximum Building Area = t e maximum Area of open control towers must comp intage increase is based or uilding Height in Feet (Ta uilding Height in Stories ovide code reference if th BUILDING ELEMENT ructural Frame,	a public way ter =(F/P) of public way I _r = 100 (F/P = 0) der conditions otal number o parking garag oly with Table in the unsprink the unsprink (Table 504.4) e "Shown on	e or open (P) = 0.25) x W // s of Section f stories ges must 412.3.1. clered ar ALL 4	in buildin comply vea value in COWABL	wing 20 fe W) (%) mg x D (m with Table n Table 5	aximum 3 stori e 406.5.4 The N 06.2	ies) 50	6.2	ir traffic		
uilding Height in Stories ovide code reference if th BUILDING ELEMENT	(Table 504.4) e "Shown on FIRE SEPARA DISTAN	ALL 4	OWABL							
uilding Height in Stories ovide code reference if th BUILDING ELEMENT	(Table 504.4) e "Shown on FIRE SEPARA DISTAN	ALL 4	OWABL		41					7
Building Height in Stories rovide code reference if the BUILDING ELEMENT tructural Frame,	(Table 504.4) e "Shown on FIRE SEPARA DISTAN	0	٥		SHOW	N ON	PLANS	CODE	REFERENCE	
BUILDING ELEMENT	FIRE SEPARADISTAN				25			T 50	-	-
tructural Frame,	SEPARA DISTAN		uality is r	not based		∨E or 504	1.4	T 50	24.4]
tructural Frame,	SEPARA DISTAN	LIDE	DD OTE	CTION D	EOIUDEMEN	Te	· · · · · · · · · · · · · · · · · · ·			 .
tructural Frame,	SEPARA DISTAN			TING	EQUIREMEN		DESIGN#		T	
		ATION ICE	REQ'D	PROVIDE (W/ REDUCTIO	AND		FOR RATED ASSEMBLY	SHEET # FO RATED PENETRAT	FOR	
icluding columns, irders & trusses										
Bearing walls Exterior										
North East	35' 35'					7				
West South	35'	+				_				
Interior	35′									
Nonbearing walls and partitions Exterior Walls		:								
North	`									
East West						+				
South						#				:
Toor construction neluding supporting						\dashv				_
beams & joist Floor Ceiling Assembly						_				
Columns Supporting Floors toof construction including										
upporting beams & joist Roof Ceiling Assembly										
Columns Supporting Roof thaft Enclosures - Exit										
haft Enclosures - Other Corridor Seperation			1112	<u> </u>	W-L-11	95	V480	- 11A	_	
ccupancy / Fire Barrier Separa arty / Fire Wall Separation										
moke Partition										
Tenant / Dwelling Unit Sleeping Unit Separation										
Incidental Use Separation * Indicates ssection numb	er permitting	reduction								
TIRE SEPARATION DIST FEET) FROM PROPERT	ANCE	DEGRE	NTAGE (SES OF OPI CITION E 705.8)		L OPENING C ALLOWABL (%)				N ON PLANS]
		ļ <u>.</u>				· · · · · · · · · · · · · · · · · · ·				
:]
					QUIREME	NTS				
Exit	rgency Lightî) Signs: Alarm:	ng:		No B	Yes Yes Yes		×			
Smol	ke Detection S c Hardware:	Systems:	Z	No 🗆]Yes □Part ZYes	tial				
	LIFE S	AFET			UİREMEN	TS				
	DII D			· · ··································	O I CONTROL VI					
Life Safety Plan	Sheet # LS	-1	-							
☐ Fire and / or s☐ Assumed and	real property	line loca	ations. (If	not on sit	e plan)			* 19		
Exterior wall Occupancy U	se for each ar	ea as it r	pect to dis elates to	stance to occupant	assumed prope load calculation	rty line ns (Tal	e (705.8) ble 1004.1.2)		
Occupant loa Exit access tr Common pati	avel distance ((1017)	ables 100)6.2.1 & 1	006.3.2 (1))					
Dead end length Clear exit wid	gths (1020.4)			, v, 20, 1 06 1	. 500.0.2.(1))					
✓ Maximum ca ✓ Actual occup	lculations occ ant load for ea	upant lo	loor.	•				-		
	occupancy se	paration	•		Hoor / ceiling	and / o	r roof struct	ires provide	d for	
☐ Location of d☐ Location of d☐ Location of d☐	oors with dela	ayed egr	ess locks	and the a	mount of delay	(1010.	.1.9.7)			
Location of d	oors equipped	l with ho	ld-open d	evices.						

ACCESSIBLE DWELLING UNITS N/A (Section 1107)			MECHANICAL SUMMARY (PROVIDE IN THE MECHANICAL SHEETS IF APPLICABLE)
TOTAL ACCESSIBLE UNITS REQUIRED ACCESSIBLE TYPE 'A' UNITS PROVIDED REQUIRED PROVIDED TYPE 'B' UNITS REQUIRED	TOTAL TYPE 'B' UNITS ACCESSIBLE PROVIDED UNITS PROVIDED	N.	IECHANICAL SYSTEMS, SERVICES AND EQUIPMENT Thermat Zone 44
ACCESSIBLE PARKING SEE SITE PI	AN		winter dry bulb: 20° summer dry bulb: 94° Interior design conditions:
LOT OF PARKING TOTAL # OF PARKING SPACES # OF ACCESSIBLE SPACES PROVIDED	TOTAL # ACCESSIBLE PROVIDED		winter dry bulb: 72 summer dry bulb: 75 relative humidity: 50%
AISLE AISLE			Building heating load: 43,379 Btv Building cooling load: 150,3878+v
PLUMBING FIXTURE REQUIREMENTS			Mechanical Spacing Conditioning System Unitary description of unit:
USE Water Closets Urinals Lavatories Showers/ Drinking Male Female Unisex Tubs Regular	Fountains Accessible		heating efficiency: cooling efficiency: size category of unit: SEE SHEET M-1
SPACE Existing			Boiler Size category: If oversized, state reason: Chiller Size category: If oversized, state reason:
SPECIAL APPROVALS .			List equipment efficiencies:
Special Approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc. o	escribed below)		ELECTRICITY SUMMARY (PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE) ELECTRICAL SYSTEM AND EQUIPMENT Method of Compliance: Energy Code: Performance Precriptive ASHREA 90.1 Performance Precriptive
ENERGY SUMARRY ERGY REQUIREMENTS: e following data shall be considered minimum and any special attribute to meet the energy coch Designer shall furnish the required portions of the project information for the plan data sheet performance method, state the annual energy cost for the standard reference design vs annual energy design.	t.		Lighting schedule (Each fixture type) lamp type required in fixture: number of lamps in ficture: ballast type used in the fixture: number of ballast in fixture:
isting building envelope complies with code: No Yes (The remainder of this is not empt Building: No Yes (Provide code or statutory reference): Climate Zone: 3A 4A 5A Method of Compliance: Energy Code Performance Perscriptive ASHRAE 90.1 Performance Perscriptive	applicable)		total wattage per fixture: total interior wattage specified vs allowed: whole building or space by space Allowable Watts: 8316 Actual Watts: 2717
(If "Other" specify source here) HERMAL ENVELOPE (Prescriptive method only) Roof / Ceiling (each assembly) Description of assembly:			Additional Efficiency Package Options (When using the 2018 NCEC; not required for ASHREA 90.1) C406.2 More Efficient HVAC Equipment Performance C406.3 Reduced Lighting Power Density C406.4 Enhanced Digital Lighting Controls
U-Value of total assembly: R-Value of insulation: Skylights in each assembly: U-Value of skylights: total square footage of skylights in each assembly: Exterior Walls (each assembly)			C406.5 On -Site Renewable Energy C406.6 Dedicated Outdoor Air Systems C406.7 Reduced Energy Use in Service Water Heating
Description of assembly: U-Value of total assembly: R-Value of insulation: Openings (windows or doors with glazing)			Design No. U419 Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Rome 3 & 4)
U-Value of assembly: Solar heat gain coefficient: Projection factor: Door V-Value: Door V-Value: U-Value of total assembly: U-Value of total assembly:	SEE ATTACHED CO	M-CHECK	For Number of Layers and Hourly Ratings See Item 4
R - Value of insulation: Floors over unconditional space (each assembly) Description of assembly: U - Value of total assembly: R - Value of insulation:			7 2 Floor and Ceiling Runners — (Not shown) — Channel shaped, fabricated from min 25 MSG (min 20 MSG when Item 4A is used) corrosion- 557 protected steel, min width to accommodate stud size, with min 1 in.
Floor slab on grade Description of assembly: U - Value of total assembly: R - Value of insulation: Horizontal / vertical requirement: Slab heated:			long legs, attached to floor and ceiling with fasteners 24 in. OC max. Steel Studs — Channel shaped, fabricated from min 25 MSG (min 20 MSG when Item 4A is used) corrosion-protected steel, min width as indicated under Item 4, min 1-1/4 in: flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. Batts and Blankets* — (Required as indicated under Item 4) — Min-
STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)	·		eral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 4. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies. Batts and Blankets*— (Optional)—Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified com-
PESIGN LOADS: Importance Factor: Snow (I_s) 1.0 Seismic (I_n) 1.0	T.	System No. W-L-1195 F Rating — 1 and 2 Hr (See Item 1) Rating — 3/4 and 1-1/4 Hr (See Item 1)	panies. Gypsum Board* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity.
Live Loads: Roof 20 psf Mezzanine psf Floor 100 psf Ground Snow Load: psf		₩	Horizontal edge joints and horizontal butt joints on opposite sides of stude need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr resings are as follows:
Wind Load: Basic Wind Speed 115 mph (ASCE-7) Exposure Category		9//////////////////////////////////////	Wallboard Protection on Each Side of Wall Min Stud No. of Layers Min Thins Depth & Thins of Insulation Of Panel 3-1/2 1 layer, 5/8 in. thick Optional
SEISMIC DESIGN CATEGORY: A B C D Provide the following Seismic Design Parameters: Risk Category (Table 1604.5) I II III IV Special Response Acceleration S S Site Classification (ASCE 7) A B C D E F Data Source: Field Test Presumptive Historical Data	· ·	SECTION A-A	Min Stud Depth Depth 1 2-1/2 1 layer, 1/2 in. thick 1-1/2 in. 1 1-5/8 1 layer, 3/4 in. thick Optional
Basic structural system Bearing Wall Dual w/ Special Moment Building Frame Dual w/ Intermediate R/G Moment Frame Inverted Pendulum Analysis Procedure: Simplified Equivalent Lateral Force Dynami Architectural, Mechanical, Components anchored? Yes No	Frame C or Special Steel C or Special Steel C Steel C 1. Wall Assembly shall I fied in the individual the UL Fire Restruction feature A. Studs — A. Studs —	Wall framing may consist of either wood stud	nner speci- Design in ing con-
LATERAL DESIGN CONTROL: Earthquake Wind SOIL BEARING CAPACITIES: Field Test (provide copy of test report)psf	channel st spaced 16 cross brac 24 in. OC. B. Gypsum	tuds. Wood studs to consist of nom 2 by 4 in. in. OC with nom 2 by 4 in. lumber end plate ses. Steel studs to be min 3-5/8 in. wide and s	lumber s and paced max
Presumptive Bearing capacitypsf Pile size, type, and capacity	diam of o The hourl hourly fin The hourl	pening is 3-1/2 in. ly F Rating of the firestop system is equal to e rating of the wall assembly in which it is ly T Rating is 3/4 and 1-1//4 hr is for 1 and 2	the installed.
	2. Through Penetr diam (or smaller piping to be ins The annular spendoth sides of w	es, respectively. rating Product* — Flexible Metal Piping — r) steel flexible metal piping. Max one flexible talled concentrically or eccentrically within of ace between piping and periphery of opening vall assembly. Plastic covering on piping m.	Appendix "R"
	OMEGA 3. Fill, Void or Conness of fill mate tively, applied An additional 1	both sides of wall assembly. FLEX INC —TracPipe avity Materials* — Sealant — Min 5/8 an erial for 1 and 2 hr fire-rated wall assembli- within the annulus, flush with both surface 1/2 in. diam bead of fill material applied at nt interface at point contact location on both	
	the wall.	MANVILLE INTERNATIONAL INC Pir	

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PE,

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

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CHECKED BY: RJB

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JOB NUMBER:

SHEET NO:

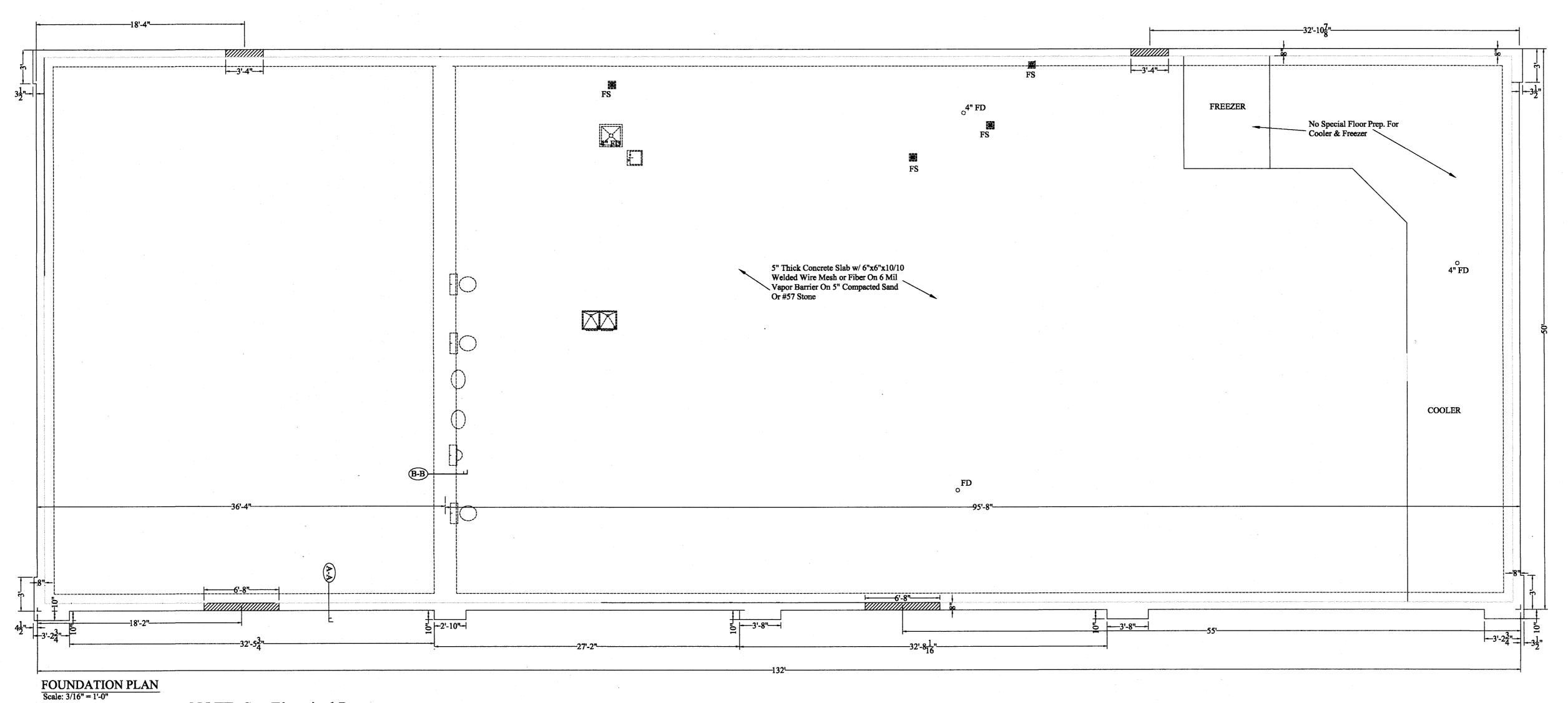
APPENDIX

DATE:

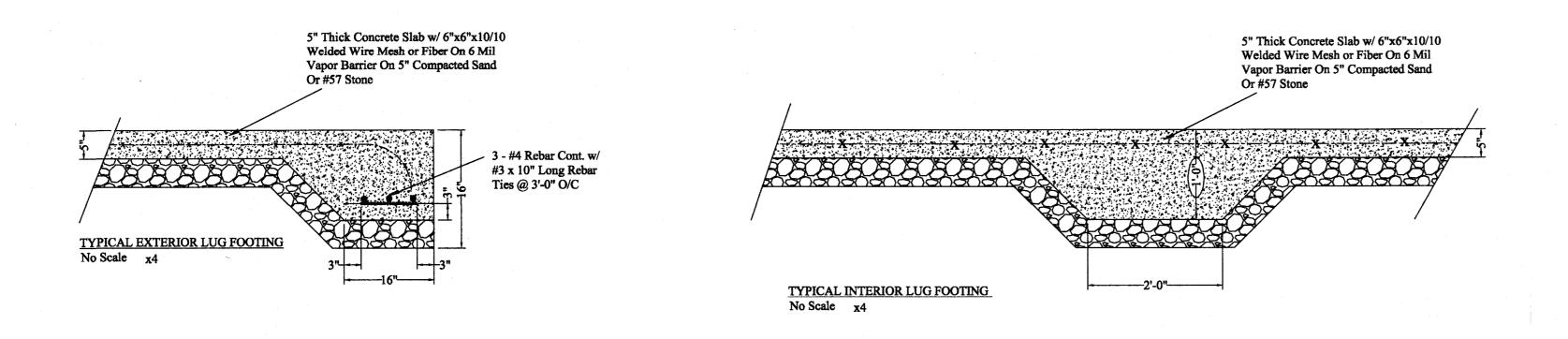
REVISIONS

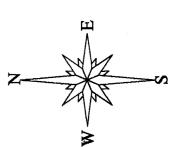
RECEIVED

By Regency Construction at 2:42 pm, Feb 20, 2024



NOTE: See Electrical Power
Plan & Equipment Plan & Plumbing
Plan To Verify Locations Of Plumbing
& Electrical In Floor Slab.





RJB, PE, PA

c-0269

c-0269

Robert J. Bracken

ENGINEERING • SURVEYING

Fugu

DRAWN BY: WRJ

CHECKED BY: RJB

DWG. NUMBER:

JOB NUMBER:

SHEET NO:

DATE:

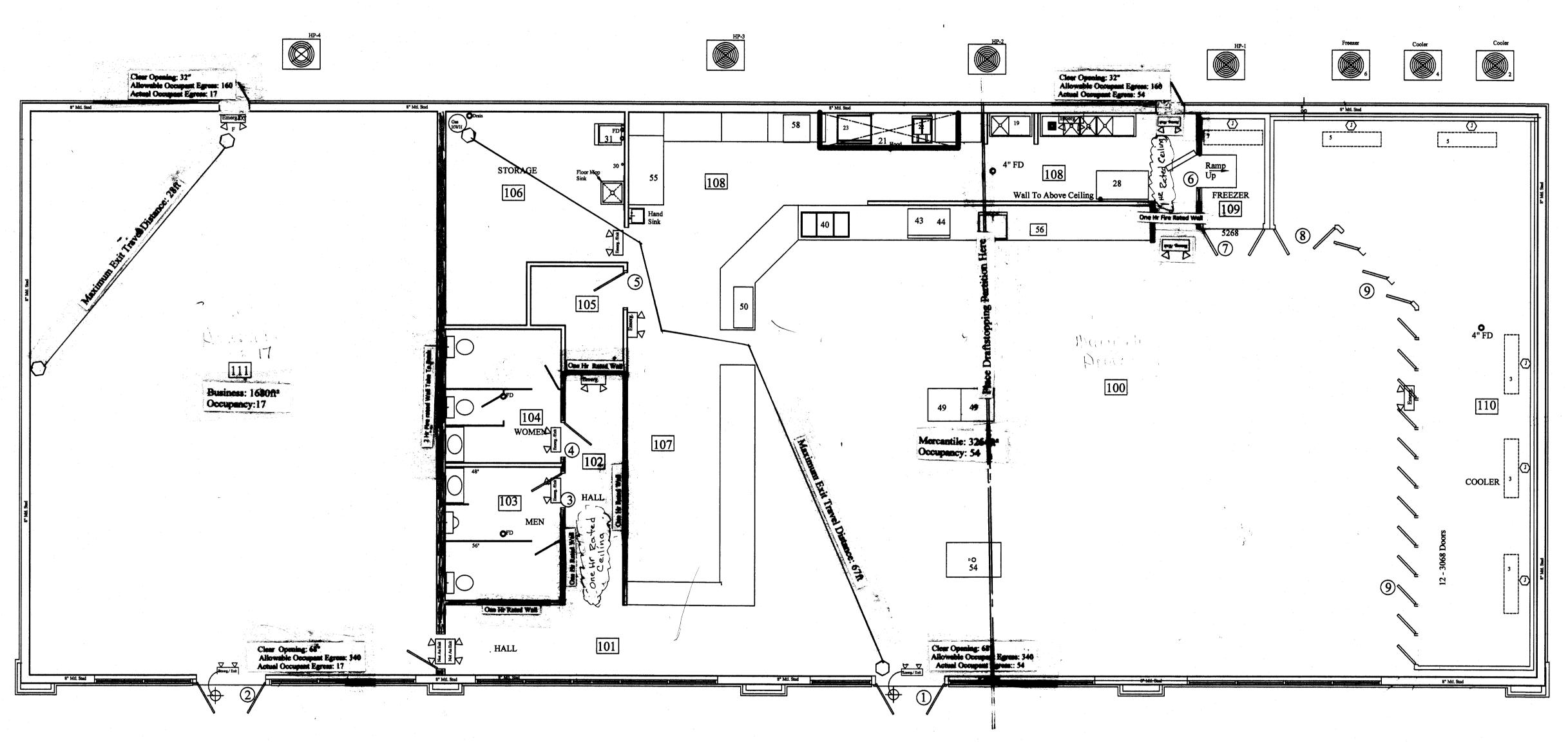
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RECEIVED

By Regency Construction at 2:42 pm, Feb 20, 2024

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LIFE SAFETY PLAN
Scale: 3/16" = 1'-0"

Total Area: 6,600ft²
Total Occupancy: 71

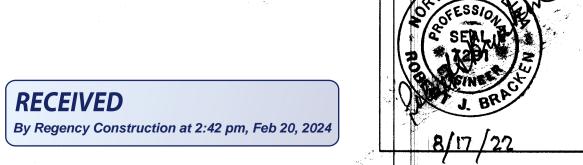
A NEW CHAMPS CONVENIENCE STORE U.S. HWAY 401 NORTH Fuquay-Varina, North Carolina 27526 SCALE: 1/4" = 1'-0"

DRAWN BY: WRJ DATE:
CHECKED BY: RJB

REVISIONS

Life Safety Plan

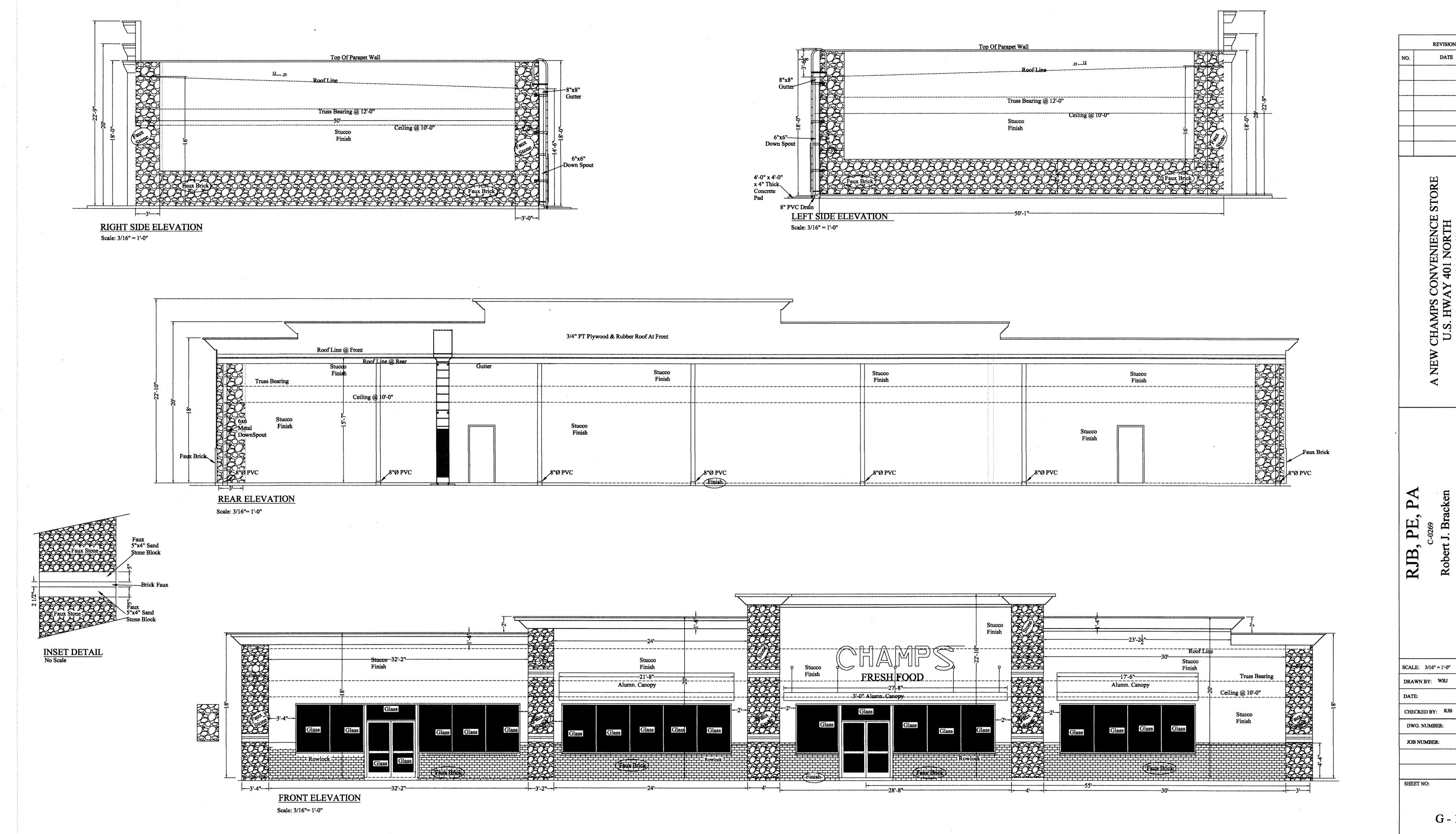
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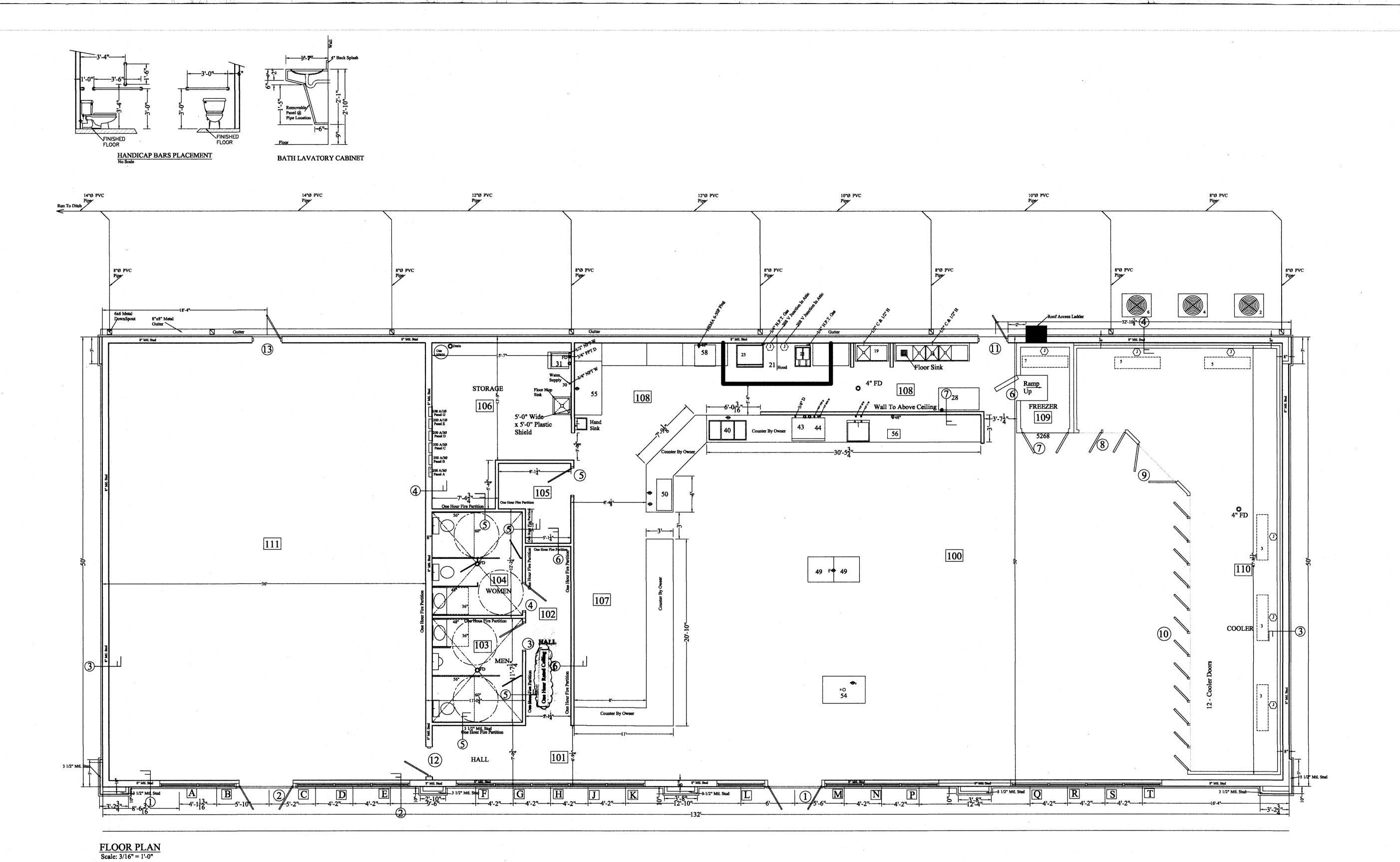
By Regency Construction at 2:42 pm, Feb 20, 2024

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G - 1

Robert J ENGINEERING

REVISIONS



RECEIVED By Regency Construction at 2:42 pm, Feb 20, 2024 A NEW CHAMPS CONVENIENCE STORE U.S. HWAY 401 NORTH Fuquay-Varina, North Carolina 27526

REVISIONS

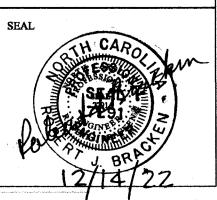
RJB, PE, PA

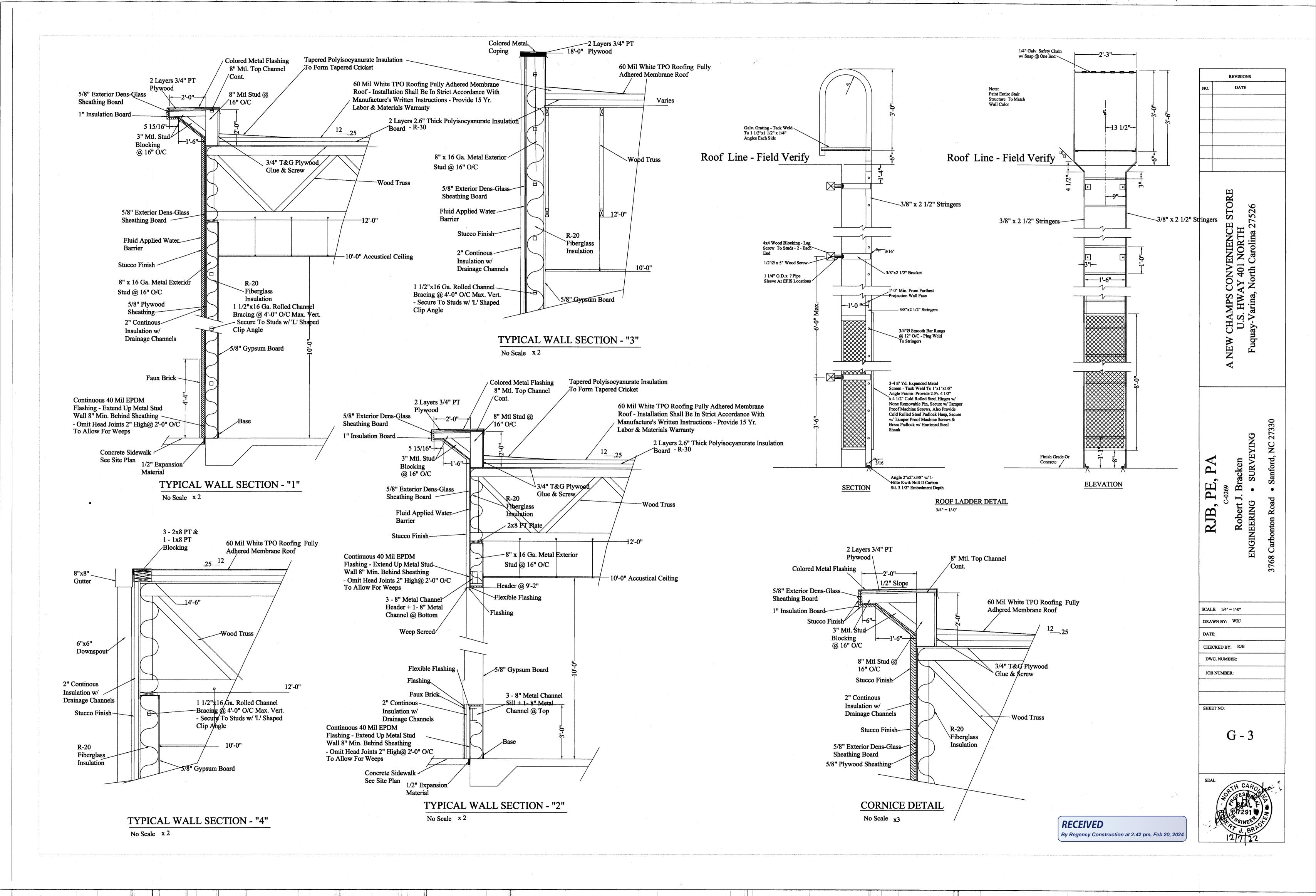
SCALE: 1/4" = 1'-0" DRAWN BY: WRJ DATE: CHECKED BY: RJB

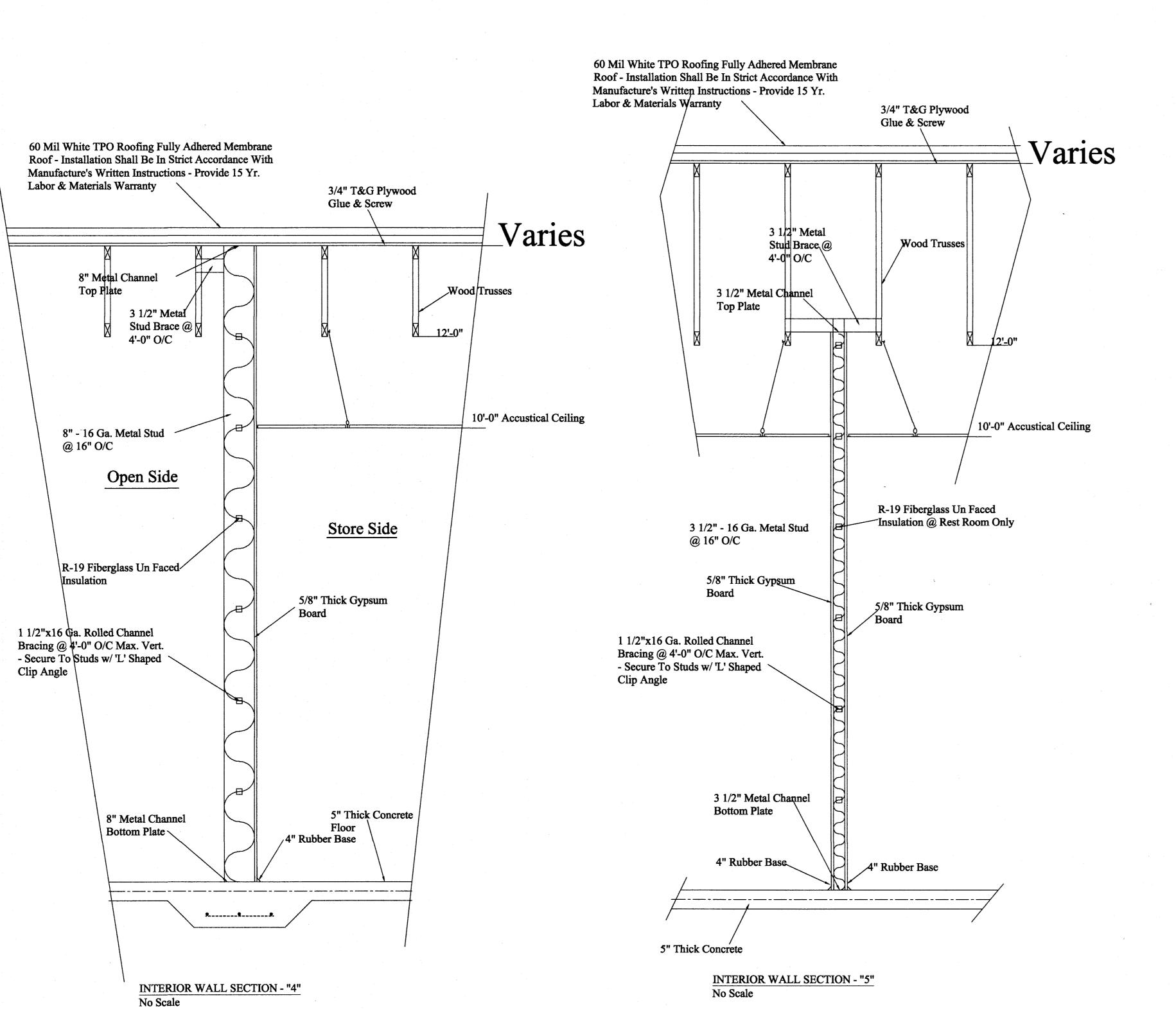
DWG. NUMBER: JOB NUMBER:

SHEET NO:

G - 2







60 Mil White TPO Roofing Fully Adhered Membrane Roof - Installation Shall Be In Strict Accordance With Manufacture's Written Instructions - Provide 15 Yr.
Labor & Materials Warranty 3/4" T&G Plywood Glue & Screw Varies Wood Trusses 3 1/2" Metal Charine 10'-0" Accustical Ceiling R-19 Fiberglass Un Faced
Insulation @ Rest Room Only 3 1/2" - 16 Ga. Metal Stud @ 16" O/C 5/8" Thick Gypsum 5/8" Thick Gypsum 1 1/2"x16 Ga. Rolled Channel Bracing @ 4'-0" O/C Max. Vert.
- Secure To Studs w/ 'L' Shaped Clip Angle 3 1/2" Metal Channel **Bottom Plate** 4" Rubber Base 4" Rubber Base

5" Thick Concrete

No Scale

INTERIOR WALL SECTION - "5"

REVISIONS DATE 3W CHAMPS CONVENIENCE STORE U.S. HWAY 401 NORTH uquay-Varina, North Carolina 27526 NEW racken SURVEYING PE, Robert J. ENGINEERING RJB, SCALE: 1/4" = 1'-0" DRAWN BY: WRJ DATE: CHECKED BY: RJB DWG. NUMBER: JOB NUMBER: SHEET NO:

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RECEIVED

By Regency Construction at 2:43 pm, Feb 20, 2024

			INTERI	OR ROOM F	INISH			
ОМ	ROOM NAME	FLOORS		WA	ALLS		CEILING	
	ROOM NAME	BASE	FINISH	MATERIAL	FINISH	BASE	ТҮРЕ	HEIGH
00	Main Store	Concrete	24"x24" Porcelian Tile	5/8" Gypsum	Epoxy Paint	4" Rubber	2x4 Lay-in	10'-0"
01	Store Hall	Concrete	24"x24" Porcelian Tile	5/8" Gypsum	Epoxy Paint	4" Rubber	2x4 Lay-in	10'-0"
2	Bath Hall	Concrete	24"x24" Porcelian Tile	5/8" Gypsum	Epoxy Paint	4" Rubber	2x4 Lay-in Fire Code	10'-0"
03	Men Rest Rooms	Concrete	24"x24" Porcelian Tile	5/8" Gypsum FRP White Board	PVC Wall Panels (FtoC)	4" Rubber	2x4 Lay-in Fire Code	10'-0"
04	Women Rest Room	Concrete	24"x24" Porcelian Tile	5/8" Gypsum FRP White Board	PVC Wall Panels (FtoC)	4" Rubber	2x4 Lay-in Fire Code	10'-0"
05	Office	Concrete	24"x24" Porcelian Tile	5/8" Gypsum	Epoxy Paint	4" Rubber	2x4 Lay-in	10'-0"
06	Storage	Concrete	24"x24" Porcelian Tile	5/8" Gypsum	Epoxy Paint	4" Rubber	2x4 Lay-in	10'-0"
07	Behind Counter	Concrete	24"x24" Porcelian Tile	5/8" Gypsum FRP White Board	PVC Wall Panels (FtoC)	4" Rubber	2x4 Lay-in	10'-0"
08	Cooking & Washing	Concrete	24"x24" Porcelian Tile	5/8" Gypsum FRP White Board	PVC Wall Panels (FtoC)	4" Rubber	2x4 Lay-in Fire Code	10'-0"
09	Freezer	Concrete	Freezer Panel	Freezer Panel	Freezer Panel	None	Freezer Panel	8'-0"
110	Beer & Drinks Cooler	Concrete	Smooth Finish	Cooler Panel	Cooler Panel	None	Cooler Panel	8'-0"
111	Empty Space	Concrete	Smooth Finish	Bare Studs	None	None	Open To Trusses	16'-0"
A.B.C.D	TYPE	SIZE	FRAME	REMARKS				
A,B,C,D F,G,H,J, M,N,P,C	J.E.	SIZE 40x510	FRAME Alumn.	REMARKS Fixed Glass	Thermal Windows,	INC Series 4150	"u" Factor .42	
MK A,B,C,D F,G,H,J, M,N,P,Q R,S,T L,M	J.E.				Thermal Windows,	INC Series 4150	"u" Fector .42	
A,B,C,D F,G,H,J, M,N,P,C R,S,T	Store Front	40x510	Alumn.	Fixed Glass	Thermal Windows,	INC Series 4150	"u" Factor .42	
A,B,C,D F,G,H,J, M,N,P,C R,S,T	Store Front	40x510	Alumn.	Fixed Glass	Thermal Windows,	INC Series 4150	"u" Factor .42	
A,B,C,D F,G,H,J, M,N,P,C R,S,T	Store Front	40x510	Alumn.	Fixed Glass				
A,B,C,D F,G,H,J, M,N,P,C R,S,T	Store Front	40x510 50x510	Alumn.	Fixed Glass Fixed Glass	NOTES: Door	Locks & Passage Set	s To Be By Corbin - Russwin	
A,B,C,D F,G,H,J, M,N,P,Q R,S,T L,M	Store Front Store Front	40x510 50x510 H	Alumn. Alumn. Alumn. IARDWARE S -Pull Handle, 2-Push Plate, 2-	Fixed Glass Fixed Glass	NOTES: Door Door Hardw	Locks & Passage Set	s To Be By Corbin - Russwin	
A,B,C,D F,G,H,J, M,N,P,Q R,S,T L,M	Store Front Store Front Pr. 4 1/2" x 4 1/2" Hinges w //eatherstripping, Panic Hard	40x510 50x510 // NRP, Cylinder Lock, 2-ware, Supplied By Manuf	Alumn. Alumn. Alumn. IARDWARE S -Pull Handle, 2-Push Plate, 2- actory ull Handle, Push Plate, Kick I	Fixed Glass Fixed Glass Fixed Glass CHEDULE Closer, Threshold,	NOTES: Door Door Hardw	Locks & Passage Set	s To Be By Corbin - Russwin	
A,B,C,D,F,G,H,J,M,N,P,Q,R,S,T L,M A	Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard	40x510 50x510 // NRP, Cylinder Lock, 2-ware, Supplied By Manuf // NRP, Cylinder Lock, Pware, Supplied By Manuf es w/ NRP, Entrance Lock	Alumn. Alumn. Alumn. Alumn. Pull Handle, 2-Push Plate, 2-factory ull Handle, Push Plate, Kick I factory k Set, Kick Plate	Fixed Glass Fixed Glass Fixed Glass CHEDULE Closer, Threshold,	NOTES: Door Door Hardw	Locks & Passage Set	s To Be By Corbin - Russwin	
A,B,C,D,F,G,H,J,M,N,P,Q,R,S,T L,M A	Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard	40x510 50x510 // NRP, Cylinder Lock, 2-ware, Supplied By Manuf // NRP, Cylinder Lock, Pware, Supplied By Manuf es w/ NRP, Entrance Lock // NRP, Cylinder Lock, P	Alumn. Alumn. Alumn. Alumn. Pull Handle, 2-Push Plate, 2-actory ull Handle, Push Plate, Kick I actory	Fixed Glass Fixed Glass Fixed Glass CHEDULE Closer, Threshold,	NOTES: Door Door Hardw	Locks & Passage Set	s To Be By Corbin - Russwin	
A,B,C,D,F,G,H,J,M,N,P,G,R,S,T L,M A 3 W C 1 3 W	Store Front Store Front Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard 1/2 Pr. 4 1/2" x 4 1/2" Hinges Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard	40x510 50x510 // NRP, Cylinder Lock, 2-ware, Supplied By Manuf // NRP, Cylinder Lock, P-ware, Supplied By Manuf es w/ NRP, Entrance Lock // NRP, Cylinder Lock, P-ware	Alumn. Alumn. Alumn. Alumn. Pull Handle, 2-Push Plate, 2-factory ull Handle, Push Plate, Kick I factory k Set, Kick Plate	Fixed Glass Fixed Glass Fixed Glass SCHEDULE Closer, Threshold, Plate, Closer, Threshold,	NOTES: Door Door Hardw Chrome Fin	Locks & Passage Set	s To Be By Corbin - Russwin	
A,B,C,D,F,G,H,J,M,N,P,G,R,S,T L,M C 1 D 3 V	Store Front Store Front Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard 1/2 Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard 1/2 Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard	40x510 50x510 // NRP, Cylinder Lock, 2-ware, Supplied By Manuf // NRP, Cylinder Lock, P-ware, Supplied By Manuf es w/ NRP, Entrance Lock // NRP, Cylinder Lock, P-ware ges w/ NRP, Entrance Lock ges w/ NRP, Entrance Lock	Alumn. Alumn. Alumn. Alumn. IARDWARE S Pull Handle, 2-Push Plate, 2- actory ull Handle, Push Plate, Kick I actory k Set, Kick Plate Pull Plate, Kick Plate, Closer,	Fixed Glass Fixed Glass Fixed Glass SCHEDULE Closer, Threshold, Plate, Closer, Threshold, Threshold, eatherstripping, Panic Hard	NOTES: Door Door Hardw Chrome Fin	Locks & Passage Set	s To Be By Corbin - Russwin	
A,B,C,D,F,G,H,J,M,N,P,C,R,S,T L,M C 1 D 3 V E 5	Store Front Store Front Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard 1/2 Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard 1/2 Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard	40x510 50x510 // NRP, Cylinder Lock, 2-ware, Supplied By Manuf // NRP, Cylinder Lock, P-ware, Supplied By Manuf es w/ NRP, Entrance Lock // NRP, Cylinder Lock, P-ware ges w/ NRP, Entrance Lock ges w/ NRP, Entrance Lock	Alumn. Alumn. Alumn. Alumn. IARDWARE S Pull Handle, 2-Push Plate, 2- actory ull Handle, Push Plate, Kick I actory k Set, Kick Plate Pull Plate, Kick Plate, Closer, ck Set, Closer, Threshold, We	Fixed Glass Fixed Glass Fixed Glass SCHEDULE Closer, Threshold, Plate, Closer, Threshold, Threshold, eatherstripping, Panic Hard	NOTES: Door Door Hardw Chrome Fin	Locks & Passage Set	s To Be By Corbin - Russwin	
A,B,C,D,F,G,H,J,M,N,P,C,R,S,T L,M C 1 D 3 W E 5 G 5	Store Front Store Front Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard Pr. 4 1/2" x 4 1/2" Hinges w /eatherstripping, Panic Hard 1/2 Pr. 4 1/2" x 4 1/2" Hinges w Veatherstripping, Panic Hard 1/2 Pr. 4 1/2" x 4 1/2" Hinges w Veatherstripping, Panic Hard 1 1/2 Pr. 4 1/2" x 4 1/2" Hinges w Veatherstripping, Panic Hard 1 1/2 Pr. 4 1/2" x 4 1/2" Hinges, Pu Supplied By Manufacture	40x510 50x510 7/ NRP, Cylinder Lock, 2-ware, Supplied By Manuford NRP, Cylinder Lock, Powere, Supplied By Manuford NRP, Entrance Lock, Powere w/ NRP, Entrance Lock	Alumn. Alumn. Alumn. Alumn. IARDWARE S Pull Handle, 2-Push Plate, 2- actory ull Handle, Push Plate, Kick I actory k Set, Kick Plate Pull Plate, Kick Plate, Closer, ck Set, Closer, Threshold, We	Fixed Glass Fixed Glass Fixed Glass Closer, Threshold, Plate, Closer, Threshold, Threshold, Catherstripping, Panic Hard Panic Hardware	NOTES: Door Door Hardw Chrome Fin	Locks & Passage Set	s To Be By Corbin - Russwin	

All Hardware To Be Handicap Accessible

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DOOR SCHEDULE			+			
	T	T				
REMARKS	PAINT / STAIN	HWD, NO.				
W/ 60110 Transom	Factory	A		· · · · · · · · · · · · · · · · · · ·		
W/ 60110 Transom	Factory	A				
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Paint HM Frame (20 min Rating)	Stain	н				
Paint HM Frame	Stain	С			E E	
	Factory	G			ENIENCE STORE I NORTH Carolina 27526	
	Factory	G			ENIENCE STC NORTH Carolina 27526	
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					Robert	arbo
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						3768 Carbonton Road
			SCALE	3/16'	'= 1'-0"	
				VN BY:		

TYPE

Store Front

SC Wood

SC Wood

SC Wood

Freezer Panel

Freezer Panel

Cooler Panel

Cooler Panel

Cooler Panel

SC Wood

MARK

Acoustical Ceiling Tile To Be Armstrong #770 Cortago w/ USG 15/16" Grid

Acoustical Ceiling Tile To Be Armstrong #770 Cortago w/ USG 15/16" Grid

Acoustical Ceiling Tile To Be Armstrong #770 Cortago w/ USG 15/16" Grid

Acoustical Ceiling Tile To Be Armstrong #824 Cortago w/ USG 15/16" Grid

Acoustical Ceiling Tile To Be Armstrong #824 Cortago w/ USG 15/16" Grid
Floor Finish Color Per Owner **PVC Wall Panels (Floor To

Acoustical Ceiling Tile To Be Armstrong #770 Cortago w/ USG 15/16" Grid

Acoustical Ceiling Tile To Be Armstrong #770 Cortago w/ USG 15/16" Grid

Acoustical Ceiling Tile To Be Armstrong #824 Cortago w/ USG 15/16" Grid
Floor Finish Color Per Owner **PVC Wall Panels (Floor To Ceiling)

Acoustical Ceiling Tile To Be Armstrong #824 Cortago w/ USG 15/16" Grid
Floor Finish Color Per Owner **PVC Wall Panels (Floor To Ceiling)

**PVC Wall Panels (Floor To Ceiling)

**PVC Wall Panels (Floor To Ceiling)

Floor Finish Color Per Owner

SIZE

6070

6070

3070

3070

3070

34"x78"

2 - 30"x79"

Unit 5'-2 7/16"

Unit 73 5/8"

10 12 - Unit Cooler Doors

3070

3070

3070

13

FRAME

Alum.

Freezer Panel

Freezer Panel

Cooler Panel

Cooler Panel

Cooler Panel

LIGHTS

Full

Full

Full

DATE:

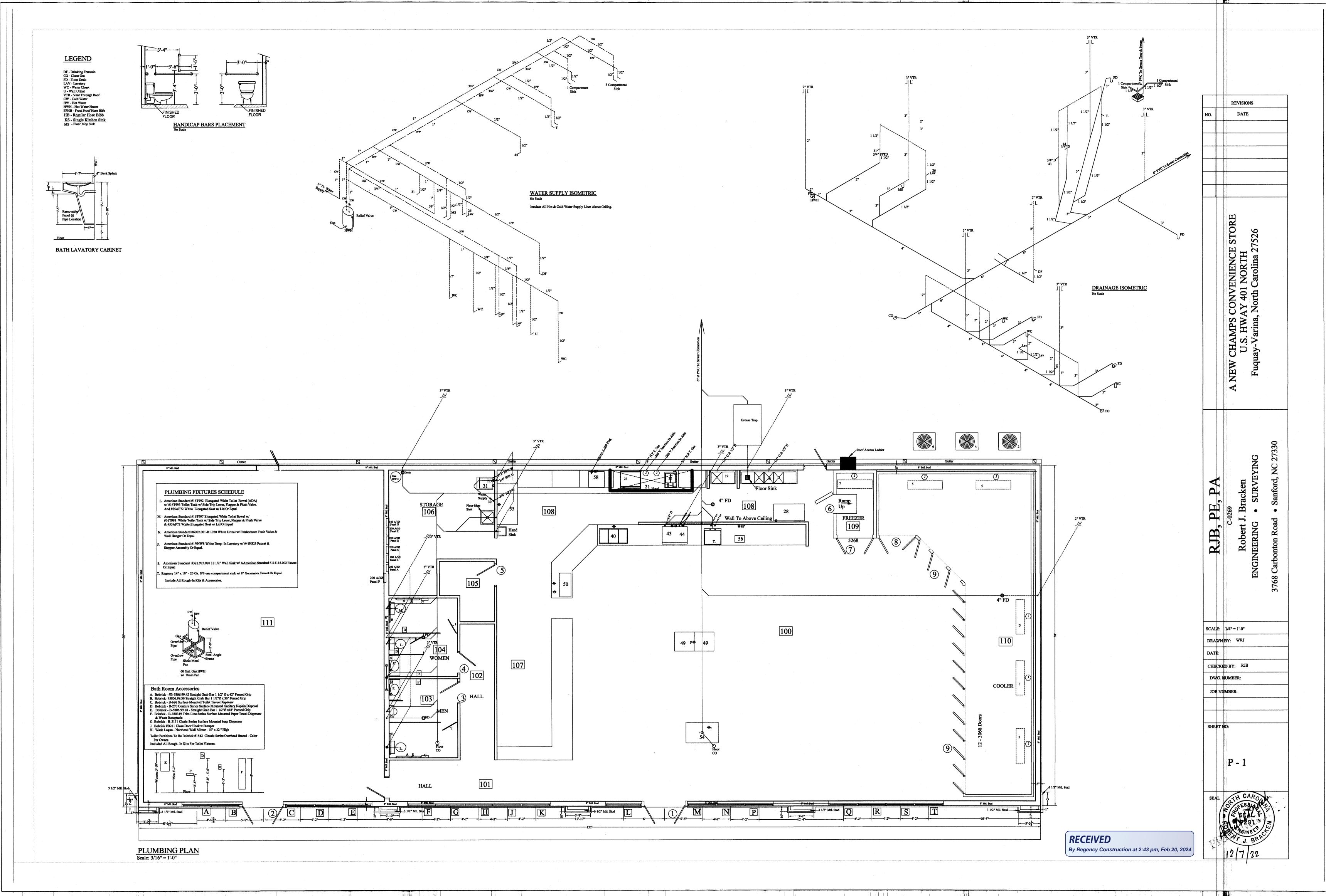
CHECKED BY: RJB

DWG. NUMBER:

JOB NUMBER:

SHEET NO:

RECEIVED By Regency Construction at 2:43 pm, Feb 20, 2024



	E	QUIPMEN	г sch	EDULE	h	(N	OTE: ALL ROOF TOP UNITS TO BE EQUIPED W BCONOMIZERS.
TAG	MODEL	HEATING BTU @ 17°F	LOW C.O.P.	COOLING	SEER RATING	VOLTS / PHASE	
RTU#1		90,000		42,000	14.25	208/230 / 1Ø	Gas / Electric BAYCURB051A Roof Curb BAYOSAH002 - 25% - Outside Damper & BAY 203 T-SAT
RTU#2		90,000		48,500	14.2	208/230 / 1Ø	Gas / Electric BAYCURB051A Roof Curb BAYOSAH002 - 25% - Outside Damper & BAY 203 T-SAT
RTU#3	-23	90,000		48,500	12	208/230 / 1Ø	Gas / Electric BAYCURB051A Roof Curb BAYOSAH002 - 25% - Outside Dumper & BAY 203 T-SAT
RTU #4		90,000		48,500	12	208/230 / 1Ø	Gas / Electric BAYCURB051A Roof Curb BAYOSAH002 - 25% - Outside Damper & BAY 203 T-SAT
	AIR	DISTRIBU	JTION	SCHEI	DULE		
ТАG	MODEL	ТҮРЕ	SIZE	FINISH	DUCT SIZE	CFM	REMARKS
Α	**·	Lay-In	24"x24"	White	6"		Supply Register
В	£ 3	Lay-In	24"x24"	White	8"		Supply Register
С	7	Lay-In	24"x24"	White	9"		Supply Register
Н	(e:	Lay-In	24"x24"	White	10"		Supply Register
J		Lay-In	24"x24"	White	20"x20"		Filter Return
	F	AN SCHEI	DULE				
TAG	MODEL	ТҮРЕ	CFM	RPM	VOLTS	SONES	REMARKS
E/F #1	. T	Ceiling Exhaust Fan	200	900	110 V / 1Ø	2.3	
E/F #2		Ceiling Exhaust Fan	200	900	110 V / 1Ø	2.3	
		 		1	1	i	

Roof Discharge Caps

MECHANICAL NOTES

Control wiring by Mechanical Contractor.

Power wiring from fused disconnects by Mechanical Contractor. Manual thermostat w/ 18/10 thermostat wire. Condensate unit to be bolted to floor. Galvanized duct work w/ 1 1/2" fiberglass insulation w/ leading edge cover. Fiberglass liner to be buttered at all joints w/ adhesive. Duct joints to receive ssealer at all penatrations. Rectangular duct measurements are external. Flecible fiberglass branch lines to be class #1. Branch take-offs to be gasket type w/ manual damper. Branch line connections to be banded. 18" or larger duct to be cross-braced. Canvas connections at all air handlers. Adjust air quanities to those shown on plans. Fresh air duct gets 2" Insulated wrap.
Wall sleeves & refrigerant lines by Mechanical Contractor. Smoke detectors in return plenums.

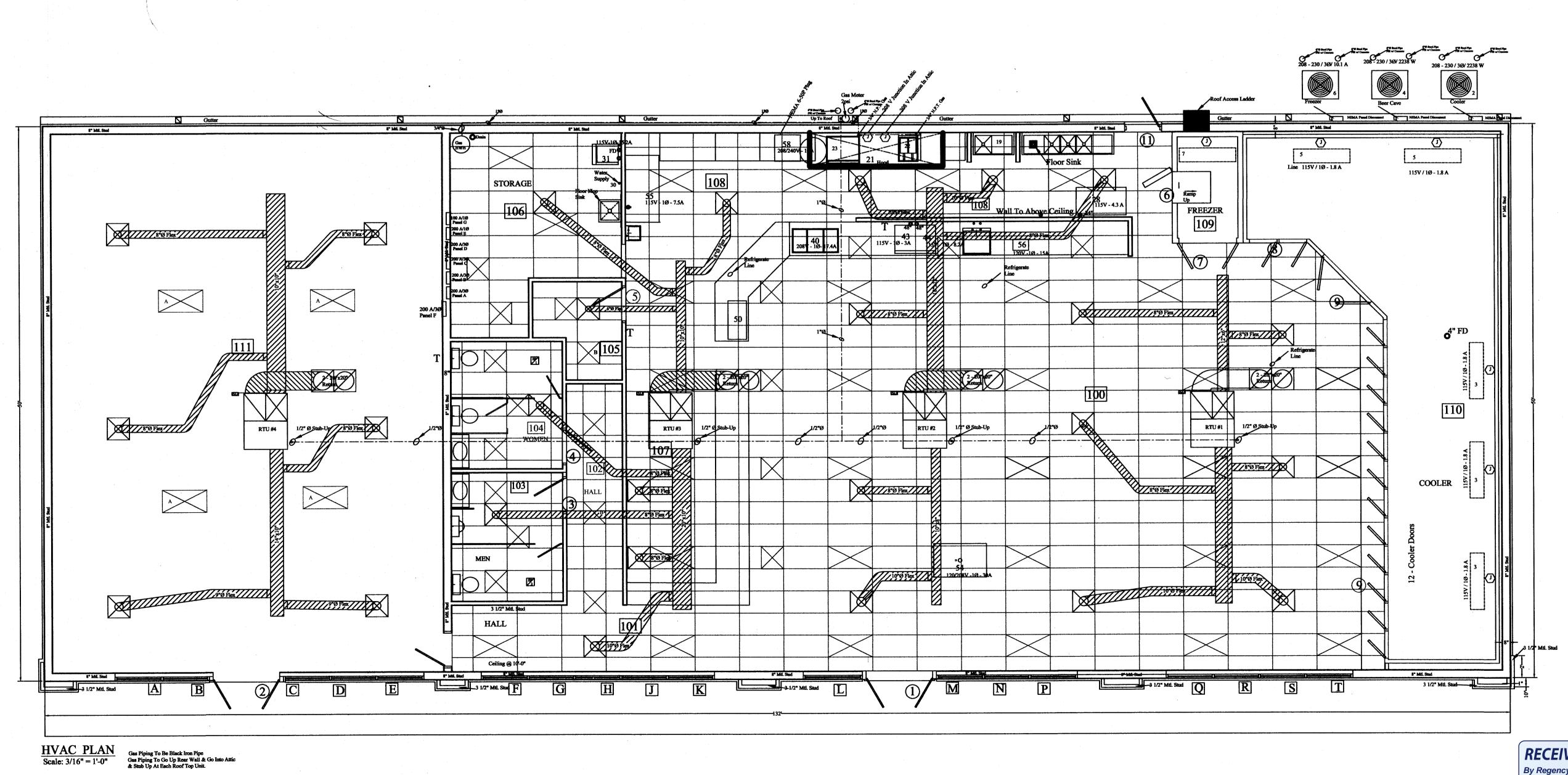
Toilet exhaust fans supplied by Mechanical Contractor & wired by Electrical Contractor. Gas piping to be schedule 40 black iron. Liner to be glued-full coverage - spot pins @ 12" O/C horzontal & vertical.

Turning vanes in rectangular duct ells. Use wall sleeves for gas piping & refrigerate lines.
Emergency drain pan for all A/C coils.
No refrigerate line joints in wall cavity.
Duct hangers attached horizontally or vertically.

T - Thermostat - Manual Damper S.D. - Smoke Detector F.D. - Fire Damper SP.D - Splitter Damper

Mount equipment w/ moving parts on isolation pads.
Do not use stamped registers or grills.
Fresh air duct wrapped externally.

Spot Weld 26 Ga. Galvanized Air Flow 1 1/2" Insulation Spot Weld 26 Ga. Galvanized **Duct Work Insulation** Leading Edge Cover No Scale



RECEIVED

By Regency Construction at 2:43 pm, Feb 20, 2024

CHAMPS CONVENIENCE STORE U.S. HWAY 401 NORTH 1ay-Varina, North Carolina 27526 NEW

REVISIONS

DATE

9 racken SURVEYIN

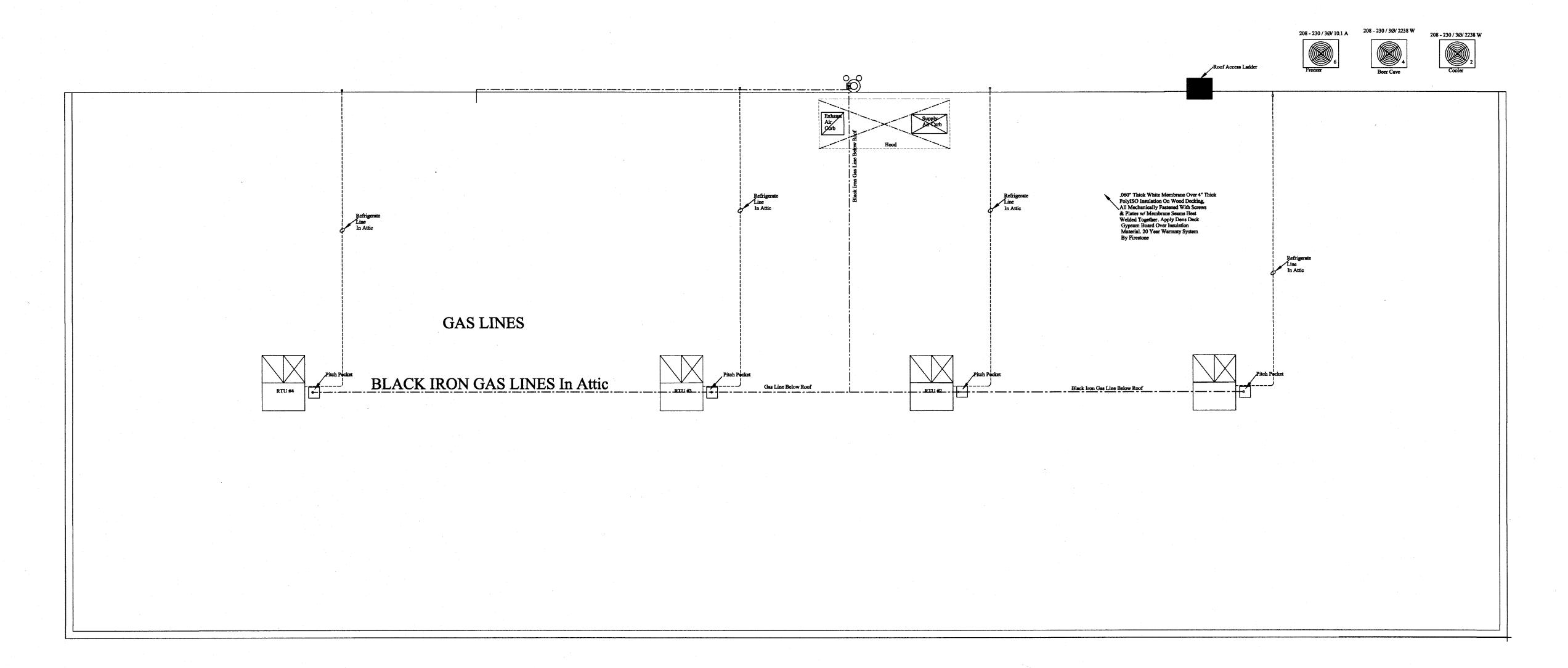
PE,

SCALE: 3/16" = 1'-0"DRAWN BY: WRJ

DATE: CHECKED BY: RJB

DWG. NUMBER: JOB NUMBER:

M - 1



ROOF TOP LAYOUT
Scale: 3/16" = 1'-0"

DATE A NEW CHAMPS CONVENIENCE STORE U.S. HWAY 401 NORTH Fuquay-Varina, North Carolina 27526

REVISIONS

SCALE: 3/16" = 1'-0"

DRAWN BY: WRJ

DATE:

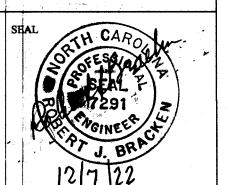
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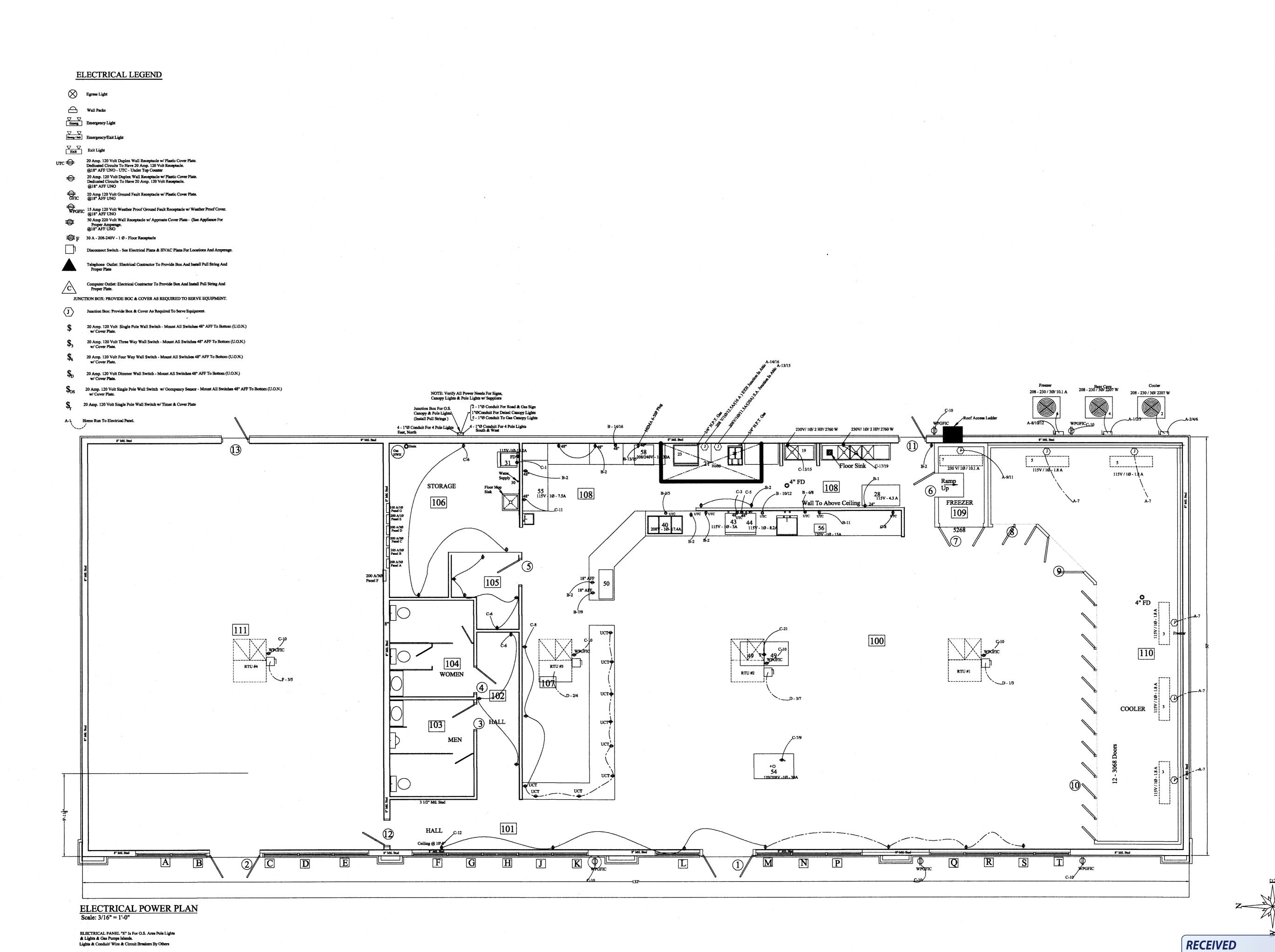
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M-2





S CONVENIENCE STORE VAY 401 NORTH a, North Carolina 27526

REVISIONS

DATE

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RJB

SCALE: 3/16'' = 1'-0''DRAWN BY: WRJ

DATE: CHECKED BY: RJB

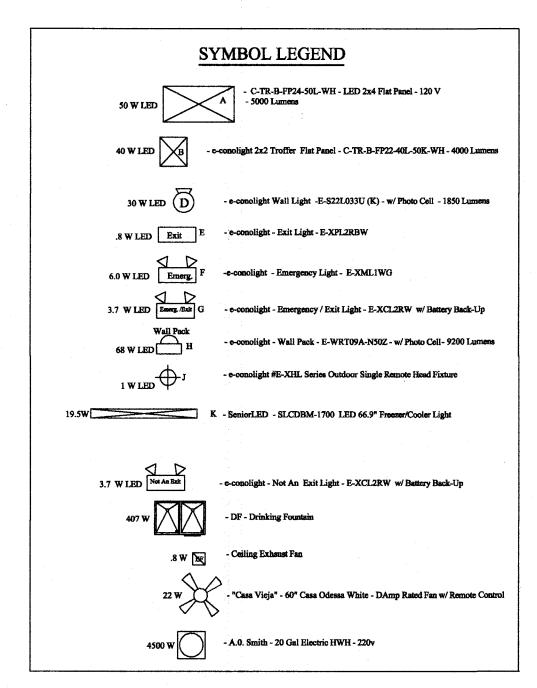
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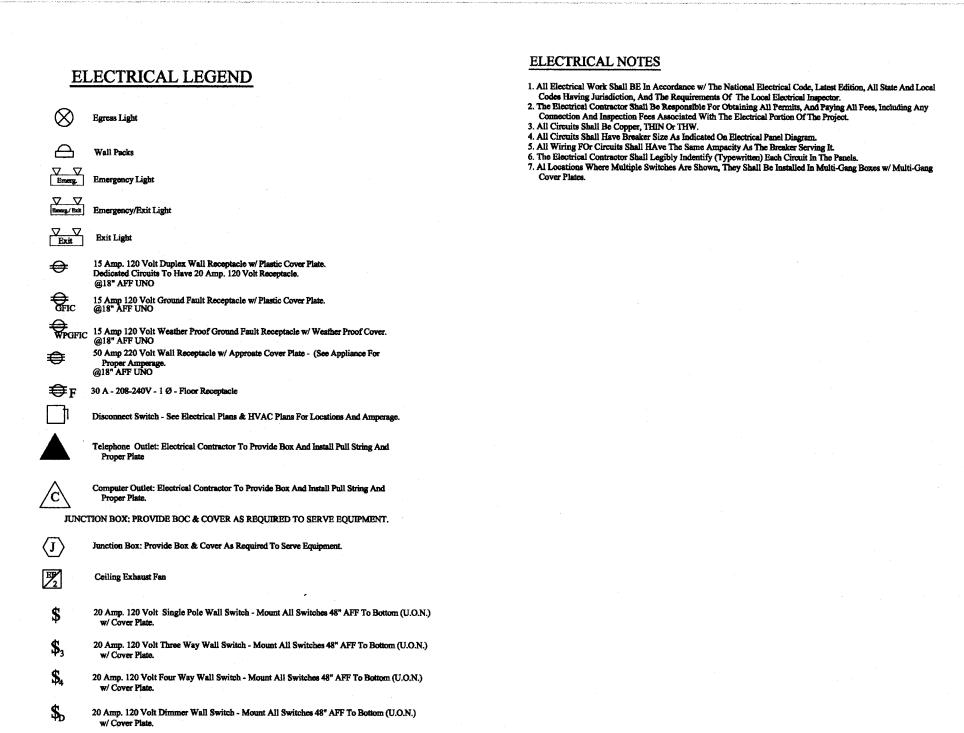
JOB NUMBER:

SHEET NO:

E - 1

By Regency Construction at 2:43 pm, Feb 20, 2024

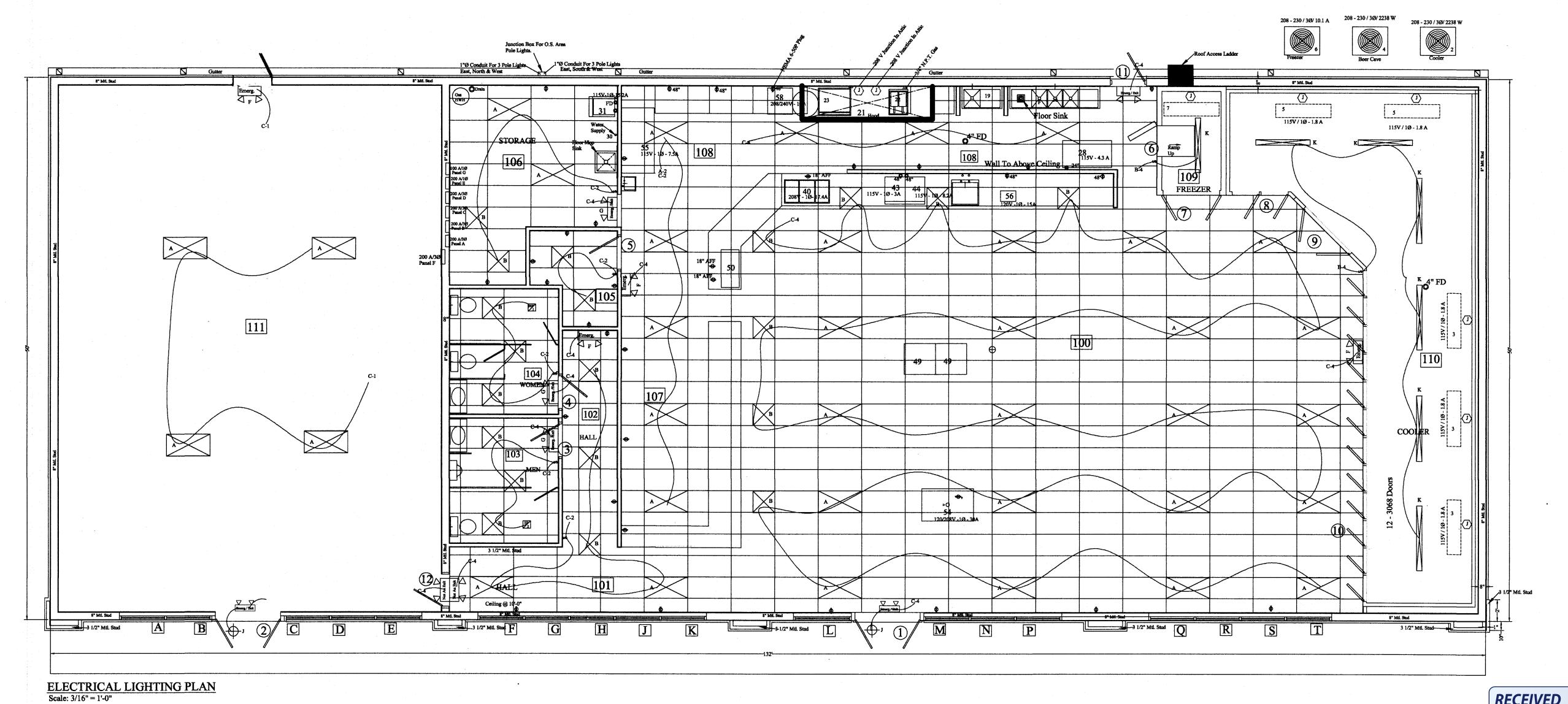




20 Amp. 120 Volt Single Pole Wall Switch w/ Occupancy Sensor - Mount All Switches 48" AFF To Bottom (U.O.N.)

20 Amp. 120 Volt Single Pole Wall Switch w/ Timer & Cover Plate

A-1. Home Run To Electrical Panel.



RECEIVED By Regency Construction at 2:43 pm, Feb 20, 2024

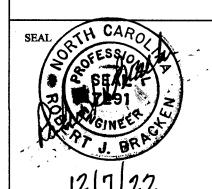
REVISIONS DATE S CONVENIENCE STORE WAY 401 NORTH a, North Carolina 27526 NEW racken SURVEYING PE, RJB,

SCALE: 3/16" = 1'-0"DRAWN BY: WRJ DATE: CHECKED BY: RJB DWG. NUMBER:

JOB NUMBER:

SHEET NO:

E - 2



						T 7 X1 41		ED SCHED	·		-		<u>,</u>		
			· · · · · · · · · · · · · · · · · · ·	GATION		 	TYPE OF PANEL : MAIN	DISTRIBUTION PANEL	MOUNTING - SUR						
	vc	LTAGE	208/120/	PH/4WII	RE .		BUS SIZE (AMPS): 1600	A	MAIN SWITCH : M	fSB					
	PO	LES: 3PS	IN				TOTAL SPACE REQUIR	ED: 42	NOTES:						
	FE	EDER - F	ROM EXI	STING PA	NEL		AMPS INTERRUPTING	RATING: 22 KA	MANUFACTURE	: SQUAI	E D OR	EQUAL			
C K		WIRE	LOA	D (WATI	'S)	LOAD DESCRI	PTION	LOAD DESCRIPTION	ON	LC	AD (WA	ITS)	WIRE SIZE	C/B	CK
T#	C/B	SIZE	ΑØ	вø	Сф	LOAD DESCRI	FION	LOAD DESCRIPTION	ON .	ΑØ	ВØ	Сф	SIZE	C/B	K T
1		4	41,600			Panel 'A' 200 A		Panel 'B' 200 A	,	41,600			4		2
3	200	4		41,600		Panel 'A'	en de la completa de La completa de la completa del completa de la completa del completa de la completa del la completa de la completa de la completa della completa della completa de la completa della	Panel 'B'			41,600		4	200	4
5		4			41,600	Panel 'A'		Panel 'B'				41,600	4		6
7		4	41,600			Panel 'C' 200 A		Panel 'D' 200 A		41,600			4		8
9	200	4	<u> </u>	41,600		Panel 'C'		Panel 'D'			41,600		4	200	10
11		4			41,600	Panel 'C'		Panel 'E' 200 A				41,600	4		12
13		4	41,600			Panel 'F' 200 A	:	Panel 'E'		41,600			4	200	14
15	200	4	13,000	41,600		Panel F									16
17		4			41,600	Panel F	· · · · · · · · · · · · · · · · · · ·		,		· · · · · · · · · · · · · · · · · · ·				18
19			 				· · · · · · · · · · · · · · · · · · ·								20
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37		 			†					†					38
39					<u> </u>										40
41	· · · · · ·	 	 		 										42

NOTE: Electrical Contractor Responsible To Check w/ Local Electrical Supplier On Amps Interrupting Rating.

General Contractor And Electrical Contractor Shall Walk Through the Space With Owner Prior
To Beginning Electrical Rough-In To Verify Fixture And Device Location.

General Contractor Shall Provide Owner With Cut Sheets Of Proposed Fixtures And Devices For
Review And Approval Prior To Ordering.

	PA	NELBOA	RD DESI	GATION	- C		TYPE OF PANEL : CIRC	CUIT BREAKER	MOUNTING - FLU	SH					
	VC	OLTAGE	208/120/	3 PH/4WI	RE		BUS SIZE (AMPS) : 200	A	MAIN SWITCH : M	ISB					
	PO	LES : 3PS	SN				TOTAL SPACE REQUI	RED : 42	NOTES:						
	FBI	EDER - FI	ROM EXI	STING PA	NEL		AMPS INTERRUPTING	RATING : 22 KA	MANUFACTURER	: SQUA	RE D OR	EQUAL			
C		WIRE	LOA	D (WAT	rs)			I O A D DESCRIP	NETT COLUMN TO THE COLUMN THE COLUMN TO THE			TTS)	WIRE		
	C/B	B SIZE A φ B φ C φ LOAD DESCI 0 12 1748 #31 - Icw Machin	LOAD DESCRI	PTION	LOAD DESCRI	TION	ΑØ	ВФ	Сф	SIZE	C/B	-			
	20	00 12 345 #43 - Bev. Disp. (3/4	:	02, 103, 104, 105, 106	760			12	20						
	20	12		345		#43 - Bev. Disp. (3	(A)	Lights Behind Count	er, 100, Emerg/Exit, Emerg.		1680		12	20	_
	20	12			943	#44 - Ice Machine -	(8.2A)	Recpt 102, 105, 10	6			1980	12	20	_
		10	6240			#54 - Self Serv. Ref	g.	Recept 101 W/E, 1	07	1800			12	20	_
	30	10		6240		#54 - Self Serv. Re	fg.	Recept O.S W/S/	3		1440		12	20	
1	20	12			863	#55 - 9 Pan Pizza l	Prep. Unit (7.5A)								
3	.,,,	8	2760			#19 - Single Comp.	. Sink Disposal								
5	40	8		2760		#19 - Single Comp.	Sink Disposal								
7	10	8			2760	#16 - 3 Comp. Sink	Disposal								
9	40	8	2760			#16 - 3 Comp. Sink	: Disposal								
1	20	12		180		#49 - Island Counte	a .								_
3															
5							:								_
7															_
9															_
1															
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	PA	NELBOA	RD DESI	GATION	- F	TYPE OF PANEL : CIRC	UIT BREAKER	MOUNTING -	FLUSH					
	V	OLTAGE :	208/120/	3 PH/4WI	RE	BUS SIZE (AMPS) : 200/	1	MAIN SWITC	H: MSB					
	PC	LES : 3PS	N			TOTAL SPACE REQUIR	VED : 42	NOTES:						
	FE	EDER - FF	OM EXI	STING PA	NEL	AMPS INTERRUPTING	RATING: 22 KA	MANUFACTU	IRER : SQUAI	RB D OR I	BQUAL	,		
C K		WIRE	LOA	D (WAT	rs)	LOAD PROGRAMMON	I OAD DESCRIPT	TON	LC LC	AD (WA	rts)	WIRE		
T	C/B	SIZE	ΑØ	ВØ	Сф	LOAD DESCRIPTION	LOAD DESCRIPT	ION	ΑØ	ВØ	СФ	SIZE	C/B	
1	20	12	216	<u> </u>		Emerg. /Exit, Not An Exit, Overhead Lights								2
3		6		6552		3 1/2 Ton RTU#4 (31.5A)								4
5	50	6			6552	3 1/2 Ton RTU#4 (31.5A)								6
7														8
9														1
11														1
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15														ŀ
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To Beginning Electrical Rough-In To Verify Fixture And Device Location.
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Review And Approval Prior To Ordering.

						PAN	·	D SCHEDU							
		NELBOA					TYPE OF PANEL : CIRCUIT	T BREAKER	MOUNTING - FLU		·			·····	
	VC	OLTAGE:	208/120/	PH/4WI	RE	 	BUS SIZE (AMPS): 200A		MAIN SWITCH :)	ASB					
	PO	LBS: 3PS	N				TOTAL SPACE REQUIRED		NOTES:			 			
1	FE	EDER - FI	OM EXI	STING PA	NEL		AMPS INTERRUPTING RA	ATING: 22 KA	MANUFACTURE	R : SQUAI	RE D OR I	QUAL			т.
C K	C/B	WIRE SIZE	LOA	D (WAT	rs)	LOAD DESCR	IPTION	LOAD DESCRIPTION		LC	DAD (WA	rts)	WIRE	C/B	I
T #			ΑØ	ВØ	СØ					ΑØ	ВØ	Сф		L	1
1		8	2207			#4 - Beer Cave O.	S. Unit (10.6A)	#2 - Cooler O.S. Unit (10.6A)	2207			8		2
3	40	8		2207		#4 - Beer Cave (D.S. Unit (10.6A)	#2 - Cooler O.S. Unit (10.64)		2207		8	40	4
5		8			2207	#4 - Beer Cave C	D.S. Unit (10.6A)	#2 - Cooler O.S. Unit (10.6A	.)			2207	8	<u> </u>	6
′	20	12	1035			#3 & #5 - Beer Co	ive & Cooler I.S. Units (1.8A)	#6 - Freezer O.S. Unit (10.1/	-	1839			8		8
		10		2323		#7 - Freezer I.S. U	Init (10.1A)	#6 - Freezer O.S. Unit (10.1	A)		1839		8	40	1
1	30	10			2323	#7 - Freezer I.S. U	nit (10.1A)	#6 - Freezer O.S. Unit (10.1	A)			1839	8		1
3	30	10	1893			#21 - Hood Suppl	y Air (9.1A)	#21 - Hood Exhaust Air (164)	3328			8	40	1
15	30	10		1893		#21 - Hood Supply	y Air (9.1A)	#21 - Hood Exhaust Air (16.	A)		3328		8		1
7														Ĺ	1
9														<u> </u>	2
21															12
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41						}						1			4

NOTE: Electrical Contractor Responsible To Check w/ Local Electrical Supplier On Amps Interrupting Rating.

General Contractor And Electrical Contractor Shall Walk Through the Space With Owner Prior

To Beginning Electrical Rough-In To Verify Fixture And Device Location.

General Contractor Shall Provide Owner With Cut Sheets Of Proposed Fixtures And Devices For
Review And Approval Prior To Ordering.

	PA	NELBOA	RD DESI	GATION	-D		TYPE OF PANEL : CIRC	UIT BREAKER	MOUNTING -	FLUSH					
	VC	DLTAGE :	208/120/	3 PH/4WI	RE		BUS SIZE (AMPS) : 200A		MAIN SWITCH	I : MSB		······································			
	PO	LBS : 3PS	IN .				TOTAL SPACE REQUIR	BD : 42	NOTES:	**					
	FE	EDER - FF	ROM EXI	STING PA	NEL		AMPS INTERRUPTING	RATING: 22 KA	MANUFACTU	RER : SQUA	RE D OR	EQUAL			
		WIRE	LOA	D (WAT	rs)					L L	OAD (WA	TTS)	WIRE		T
	C/B	SIZE	ΑØ	ВØ	Сф	LOAD DESCRI	PHON	LOAD DESCRIPTI	ON	ΑØ	ВØ	Сф	SIZE	C/B	
	50 6	→	7363		<u> </u>	4 Ton RTU #1 (35	.4A)	4 Ton RTU #3 (35.4A)		7363	ऻ ─॓	<u> </u>	6	1 60	1
7	50		7363		4 Ton RTU #1 (35	.4A)	4 Ton RTU #3 (35.4A)	4 Ton RTU #3 (35.4A)			<u> </u>	6	50	ŀ	
1		6			7363	4 Ton RTU #2 (3:	5.4A)	***************************************			<u> </u>				7
٦	50	6	7363	†		4 Ton RTU #2 (3:	5.4A)								1
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Review And Approval Prior To Ordering.

Outside Canopy / Pole Lights & PAN Meter Equipment PANELBOARD DESIGATION - G														
	PANELBOARD DESIGATION - G VOLTAGE : 120/208/1 PH/3W POLES : 3PSN					TYPE OF PANEL : CIRCUIT BREAKER MOUNTING - FLUS								
VC						BUS SIZE (AMPS): 200A	 	MAIN SWITCH : MSB						
PO						TOTAL SPACE REQUIRED : 42 NOTES		NOTES:						
_	EEDER - SEE RISER DIAGRAM					AMPS INTERRUPTING RATING: 22 KA MANUFACTURER: SQUARE D OR EQUAL								
C K	WING [LOAD (WATTS)]			LOAD DESCRI	PTION LOAD DESCRIPTION			LOAD (WAT		WIRE SIZE	C/B	K		
T #	C/B	31772	ΑØ	ВØ	1012 220014				ΑØ	ВØ	312.13	C/B	I I	
1	20	10	2400		Street Sign & Gas Sign		Canopy Lights -A (125 Watts Each) (See Site Layout)				10	20	2	
3	20	10		2400	Street Sign & Gas Sign		Canopy Lights -A (125 Watts Each) (See Site Layout)			1625	10	20	4	
5							Outside Pole Lights - B (136 Watts E Outside Pole Lights - C (352 Watts E	sch) (See Site Layout)	2288		10	20	6	
7													8	
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ELECTRICAL PANEL "G" Is For O.S. Area Pole Lights & Meter Equipment

PANELBOARD DESIGATION - B TYPE OF PANEL : C							TYPE OF PANEL : CI	E OF PANEL : CIRCUIT BREAKER MOUNTING - FLUSH							
VOLTAGE: 208/120/3 PH/4WIRE							BUS SIZE (AMPS): 200A MAIN SWITCH: MSB								
POLES : 3PSN							TOTAL SPACE REQUIRED : 42		NOTES:	NOTES:					
FEEDER - FROM EXISTING PANEL					NEL		AMPS INTERRUPTING RATING : 22 KA MANUFACTURER : SQUARE D OR EQUAL								
C K T		WIRE SIZE	LOAD (WATTS)			LOAD DESCRIPTION		LOAD DESCRIP	TION	LOAD (WATTS)		ITS)	WIRE		
	C/B		AØ	ВØ	СФ	LOAD DESCRIP	FILON	LOAD DESCRIP	IION	ΑØ	AØ BØ		SIZΕ	С/В	
1	20	12	500			#28 - 2 Door Co	oler (4.3A)	Recept. 100 - E, 108 - E	/N/W	1260			12	20	†
3		8		3619		#40 - Hot Well (17.4A) #40 - Hot Well (17.4A)		Freezer & Cooler Lights			137		12	20	7
5	40	8			3619										1
7	20	10	2122			#50 - Heat Display Case (10.2A)									
9	30	10		2122		#50 - Heat Display	y Case (10.2A)	Recept. 100 - E (UTC)		3600		10	30	I
11	20	12			1800	#56 Microwave O	ven	Recept. 100 - E (UTC)		3600		3600	10		
13	50	6	9600			#58 - Ventless Db	l. Oven (46A)								
15	50	6		9600		#58 - Ventless Db	l. Oven (46A)								1
17									· · · · · · · · · · · · · · · · · · ·						1
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NOTE: Electrical Contractor Responsible To Check w/ Local Electrical Supplier On Amps Interrupting Rating.
General Contractor And Electrical Contractor Shall Walk Through the Space With Owner Prior
To Beginning Electrical Rough-In To Verify Fixture And Device Location.
General Contractor Shall Provide Owner With Cut Sheets Of Proposed Fixtures And Devices For
Review And Approval Prior To Ordering.

PA	PANELBOARD DESIGATION - E VOLTAGE: 120/208/1 PH/3W					TYPE OF PANEL : CIRCUIT BREAKER MO			OUNTING - FLUSH					
VC						BUS SIZE (AMPS) : 200A	MAIN SWIT	MAIN SWITCH : MSB						
PO	POLES : 3PSN					TOTAL SPACE REQUIRED : 42 NOTES								
FE	FEEDER - SEE RISER DIAGRAM					AMPS INTERRUPTING RATING : 22 KA			ANUFACTURER : SQUARE D OR EQUAL					
C K	- 1		LOAD (WATTS)				LOAD DESCR	TOTAL COLUMN	LOAD	LOAD (WATTS)			C	
T #	С/В	B SIZE	ΑØ	ВØ	LOAD DESCRI	PIION LOAD DESCRIP		PHON	ΑØ	В₽	SIZE	C/B	T #	
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3						***							4	
5													6	
7				1	······								8	
9		-											10	
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15			Ì		*******************************								16	
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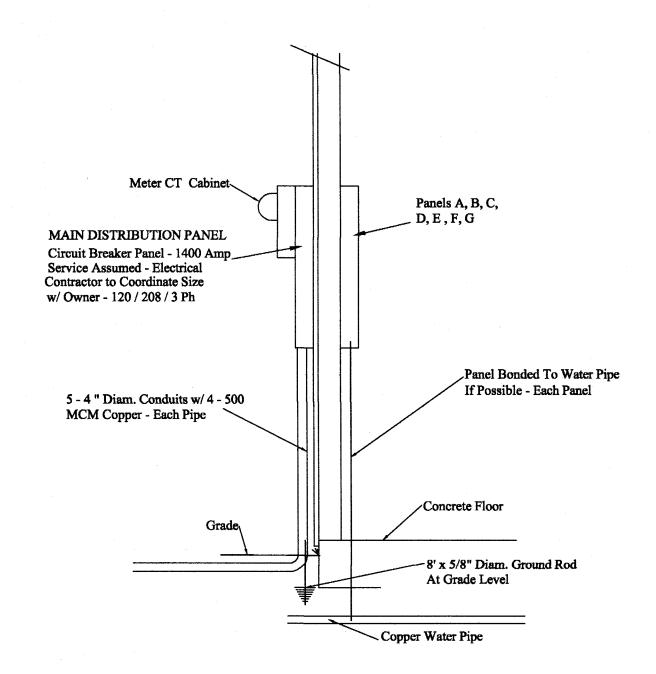
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ELECTRICAL PANEL "E" Is For O.S. Gas Pumps Island & Canopy Lights.



ELECTRICAL EQUIPMENT RISER



			
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	STORE	'	
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A NEW CHAMPS CONVENIENCE STOR U.S. HWAY 401 NORTH Fuquay-Varina, North Carolina 27526

C-0269
Robert J. Bracken
ENGINEERING
SURVEYING

RJB, PE, PA

SCALE: 3/16" = 1'-0"

DRAWN BY: WRJ

DATE:

CHECKED BY: RJB

DWG. NUMBER:

JOB NUMBER:

SHEET NO:

E - 3

SEAL OR TH CAROLINA

OR THESS/JULY

** OF SEAL TO THE