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

	□ City/(, NC DOR PLAY Phone (910)		□ State	de <u>28390</u> @wswellonsrealty.com NORTH CAROLINA
CONTACT:	GEORGE M. ROSE, P.E.				
DESIGNER Architectural	FIRM	NAME LIC	CENSE #	TELEPHONE #	
Civil	N/A	N/A			
Electrical	COASTAL PLAINS ENGINEERING	CHRISTOPHER S. LOCKLEAR	20193	910-521-7213	coastalplainseng@gmail.com
Fire Alarm	N/A	N/A			
Plumbing	N/A COASTAL PLAINS ENGINEERING	N/A CHRISTOPHER S. LOCKLEAR	20193	dio E01 7017	_coastalplainseng@gmail.com
Mechanical	N/A	WA	20195	910-521-7213	coastalplainseng@gmail.com
Sprinkler-Standpipe	N/A	WA WA			
Structural : Precast:	N/A	N/A		· <u></u>	
Retaining Walls >5		N/A			
Building Walls >3	GEORGE M. ROSE, P.E.	GEORGE M. ROSE	11315	910-977-5822	qeorqe@qmrpe.com
2018 NC CODE FOR:	☐ New Construction☐ 1st Time Interior Com				

☐ 1st lime Interior Completion						
☐ Shell/Cor	e					
☐ Phased C	Construction — Shell/Core					
✓ Renovatio	n					
018 NC EXISTING BUILDING CODE:	☐ Prescriptive ☐ Repair	□ Chapter 14				
Alteration:	☐ Level I	☐ Level III				
	☐ Historic Property	☐ Change of Use				
CONSTRUCTED:1988	ORIGINAL OCCUPANCY(S) (Ch. 3):	BUSINESS				
RENOVATED:	CURRENT OCCUPANCY(S) (Ch. 3):	VACANT				
RISK CATEGORY (table 1604.5)	Current: □ 🗹 □	□IV				
	Proposed: □ 🗹 □	\square \Vdash				
	·					

BASIC BUILDING DATA					
Construction Type:	□ I-A	□ II−A	□ III−A	□ IV	□ V-A
(check all that apply)	□ I-B	□ II−B	□ III−B		Z V−B
Sprinklers:	☐ Partial ☐ Yes	□ NFPA 13	□ NFPA 13R	□ NFPA 13D	
Standpipes:	☐ Yes Class:		□ III □ J Wet	□ Dry	
Fire District:		Flood Hazard	Area: 🗹 No	☐ Yes	
Special Inspections Required:	✓ No 🗆 Yes				
		Gross Building	ı Area:		

		Gross Bu	ıldıng Area:	
FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	RENOVATED (SQ FT)	SUB-TOTAL
5th Floor				
5th Floor				
4th Floor				
3rd Floor				
2nd Floor				
<u>Mezzanine</u>				
1st Floor	4,288		2,859	2,859
3asement				
TOTAL	4,288 (ENTIRE BI	JILDING 3207-3213 RAY RO	AD) 2,859	2,859

	ALLOWABLE AREA	
Primary Occupancy Classific	ation: <u>SELECT ONE</u>	
Assembly Business Educational	□A-1 □ A-2 □ A-3 □ A-4 □ A-5 ASSEMBLY LESS THAN 50 PERSONS □	
Factory Hazardous Institutional	□ F-1 Moderate □ F-2 Low □ H-1 Detonate □ H-2 Deflagerate □ H-3 Combust □ H-4 Health □ H-5 HPM □ I-1 CONDITION □ I □ 2 □ I-2 CONDITION □ I □ 2 □ I-3 CONDITION □ I □ 2 □ 3 □ 4 □ 5 □ I-4	Л
Mercantile Residential Storage Utility and Miscellaneous	□ R-1 □ R-2 □ R-3 □ R-4 □ S-1 Moderate □ S-2 Low □ High-piled □ Parking Garage □ Open □ Enclosed □ Repair Garage	

Accessory OccupancY Classification(s):_ Incidental Uses (Table 509): _

24010 01111 01110 0171

Special Uses (Chap	oter 4 – List (Code Secti	ons):		
Special Provisions	(Chapter 5 -	List Code	Sections):		
Mixed Occupancy:	` '		,	Hr.	Exce
_ 11 0	(500.7)				

Actual Area of Occupancy A Allowable Area of Occupancy A

☐ Non-Separated Use (508.3) The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

Allowable Area of Occupancy B

☐ Separated Use (508.4) See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1. of each use divided by the allowable floor area for each use shall not exceed 1.

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ⁴ AREA	FRONTAGE	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{2,3}
I	ASSEMBLY A-3	2,859	6,000		

I	ASSEMBLY A-3	2,859	6,000	
,				

1 Frontage area increases from Section 506.3 are computed thus: a. Perimeter which fronts a public way or open space having 20 feet minimum width = b. Total Building Perimeter = _____(P)
c. Ratio (F/P) = _____(F/P)

d. W = Minimum width of public way = e. Percent of frontage increase $I_f = 100 [F/P - 0.25] \times W/30 =$ Unlimited area applicable under conditions of Section 507. Maximum Building Area = total number of stories in the building x D (minimum 3 stories) (506.2),

4 The maximum area of open parking garages must comply with Table 406.5.4. 5 Frontage increase is based on the unsprinklered area value in Table 506.2.

	ALLOWABLE HEIGHT		
	ALLOWABLE (TABLE 503)	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	55'	20'	
Building Height in Stories (Table 5011)	2	1	

Provide code reference if the "Show on Plans" quantity is not based on Table 504.3 or 504.4. The maximum height of air traffic control towers must comply with Table 412.3.1 5 The maximum height of open parking garages must comply with Table 406.5.4

DEPOENTACE OF WALL OPENINGS CALCULATIONS

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

BUILDING ELEMENT	FIRE		RATING	DETAIL #	DESIGN #	DESIGN # FOR	DECION 4
BUILDING ELEMENT	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (w/ * REDUCTION	AND	FOR "	RATED PENETRATION	FOR
Structural Frame, including columns, girders, trusses		0					
Bearing walls Exterior							
North		0					
East		0					
West		0					
South		0					
Interior							
Nonbearing walls and Partitions Exterior walls							
North							
East							
West							
South							
Interior walls and partitions							
Floor construction including supporting beams a	nd joists						
Roof construction including supporting beams a	nd joists						
Roof construction including supporting beams a	nd joists						
Roof ceiling Assembly							
Column supporting roof							
Shafts Enclosures — Exit							
Shafts Enclosures — Other							
Corridor Separation							
Occupancy/Fire Barrier Separation	on	2	GI		U419		
Party/Fire Wall Separation		2	GI		U419		
Smoke Barrier Separation							
Tenant/Dwelling Unit/Sleeping Ur	nit Sep						
Incidental Use Separation							

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

LIFE SAFETY SYSTEM REQUIREMENTS

Life Safety Plan Sheet #: __Gl (2/Gl)

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

♥Occupant loads for each area

Exit access travel distance (1017) Common path of travel distances (1006.2.1 & 2006.3.2(1)

☑Dead end lengths (1020.4)

Clear exit widths for each exit door

Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.

☐ Location of doors with panic hardware (1010.1.10)

☐ Location of doors with electromagnetic egress locks (1010.1.9.9)

☐ Location of emergency escape windows (1030)

☐ The square footage of each fire area (202) \Box 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

PERCENTAGE OF WALL OPENINGS CALCULATIONS

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

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

ENERGY REQUIREMENTS: The following data shall be considered minimum and any special attribute required to meet the North Carolina Energy Conservation Code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy costs for the standard reference design vs. annual energy cost for the Existing building envelope complies with code: \square No \square Yes (the remainder of this section is not applicable) Existing building: No Yes (Provide Code or Statury reference) Existing building: No Yes (Provide Code or Statury reference) Climate Zone: □ 3A 🗹 4A □ 5A Method of Compliance: Energy Code ☐ Performance ASHRÁE 90.1 □ Performance □ Prescriptive (If "Other" specify source here) _____ THERMAL ENVELOPE (Prescriptive method only) Roof/ceiling Assembly (each assembly) Description of assembly: U—Value of total assembly: _____ R—Value of insulation: Skylights in each assembly: _____ U—Value of skylight: ___ Total square footage of skylights in each assembly: _ Exterior Walls (each assembly) Description of assembly: U—Value of total assembly: _____ R-Value of insulation: Openings (windows or doors with glazing) U-Value of assembly: Solar heat gain coefficient: U-Value of assembly: Projection factor: Door R-Values: Walls below grade (each assembly) Description of assembly: U-Value of total assembly: _____ R-Value of insulation: Floors over unconditioned space (each assembly) Description of assembly: U—Value of total assembly: _____ R-Value of insulation: Floor slab on grade Description of assembly: U—Value of total assembly: R-Value of insulation:

ACCESSIBLE PARKING (SECTION 1106)

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

Horizontal/Vertical requirement:

R-Value of insulation:

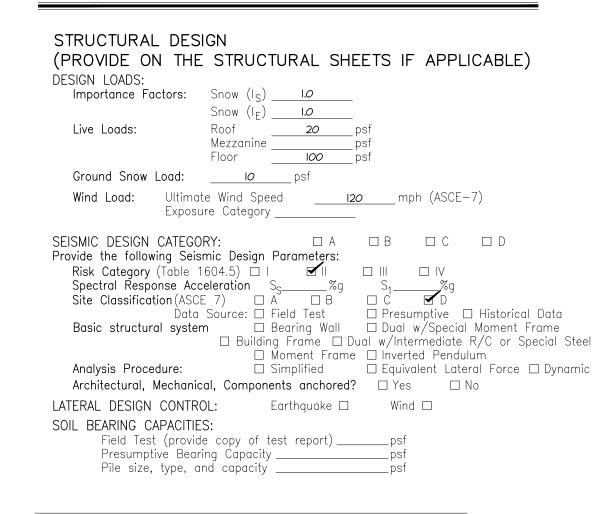
Slab Heated:

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

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

SPECIAL APPROVALS

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



SHELL VARIABLE FORM (for all spaces — see plan) (THIS SECTION REQUIRED FOR ALL SHELL, ALTERATIONS TO SHELL AND INTERIOR COMPLETION PROJECTS) Check each applicable line to match scope of work. Edit as necessary to provide clear detail of installation. Mechanical □ No work □ Equipment set with without power

□ Trunk line installed with without outlets □ Gas Line

□ Install complete operational system Plumbina □ No work

□ Install water service and sewer □ Install building drain □ amd or water distribution main with without branches □ Install complete plumbing system Other ROUGH-INS ARE INCOMPLETE, ADD'L IN-SLAB WORK IS REQUIRED. WATER SERVICE IS EXISTING (PRESENTLY INSTALLED).

□ Install complete sprinkler system □ Înstall slab □ parti**a**l complete □ Install demising walls □ Install interior partitioning □ partial□ complete □ Install Ceilings

Electrical

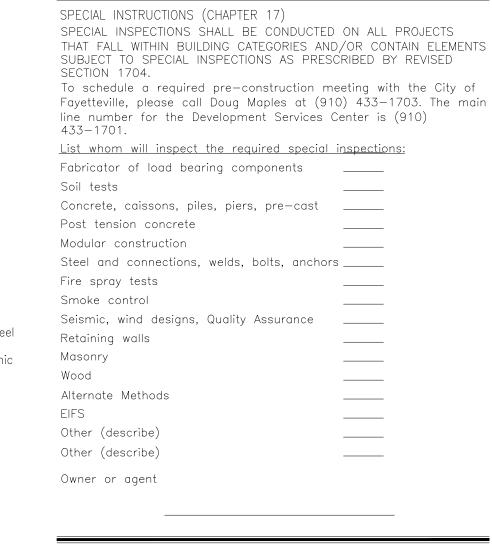
□ Install complete system

□ White box (additional interior completion permits are required for Certificate of Occupancy and power)

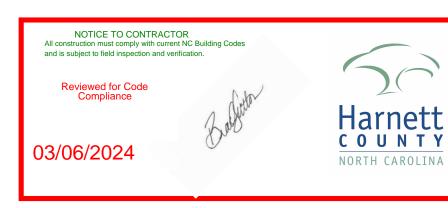
□ Service laterals to meter centers/panels located on buildings Demise wall and ceilings only □ Conduit, duct, raceway in slab □ Power and lighting circuits to "J" Box □ Install light fixtures

Other D SUITE PANEL AND SERVICE ARE EXISTING (PRESENTLY INSTALLED). Please provide full information on any alternate methods and means incorporated into the design of this project. Provide specific details and incorporate into plan submittal any supporting documents or agreement

□ Instalt Heat/Aca Elevator Generator Parking lot lighting



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



HARNETT COUNTY 2018 APPENDIX B BUILDING CODE SUMMARY for:

INTERIOR RENOVATIONS PLAN

LIBERTY PLAY TOWN

3211-3213 RAY ROAD SPRING LAKE, NORTH CAROLINA 28390

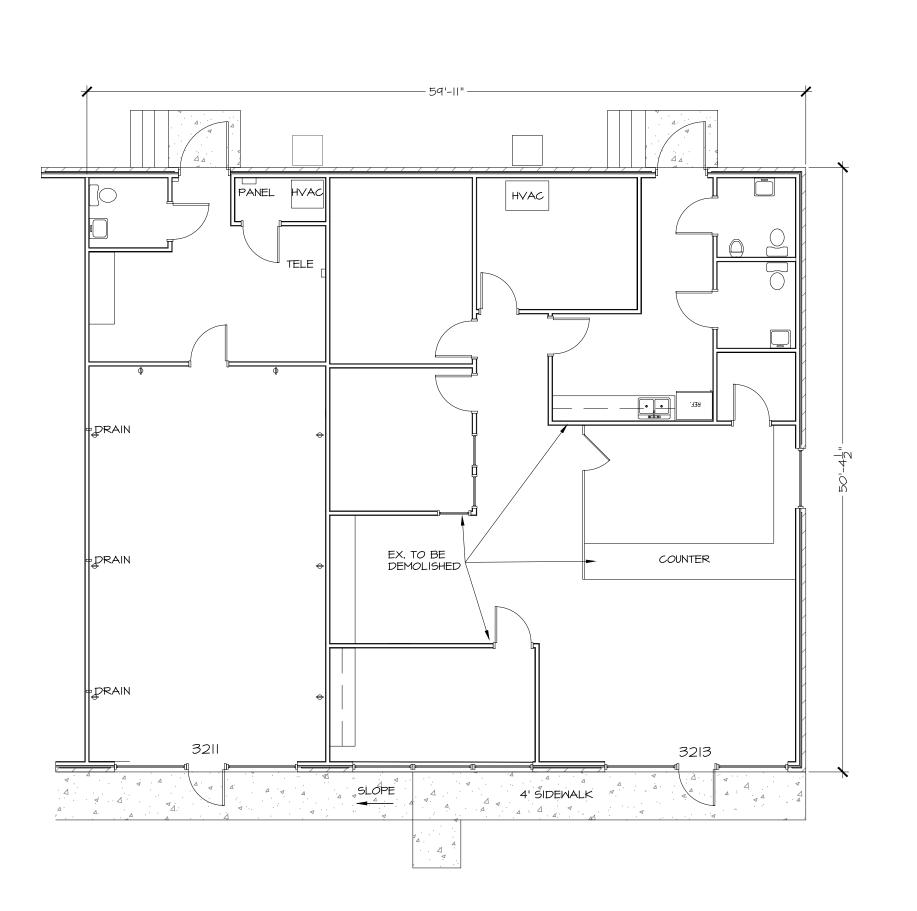




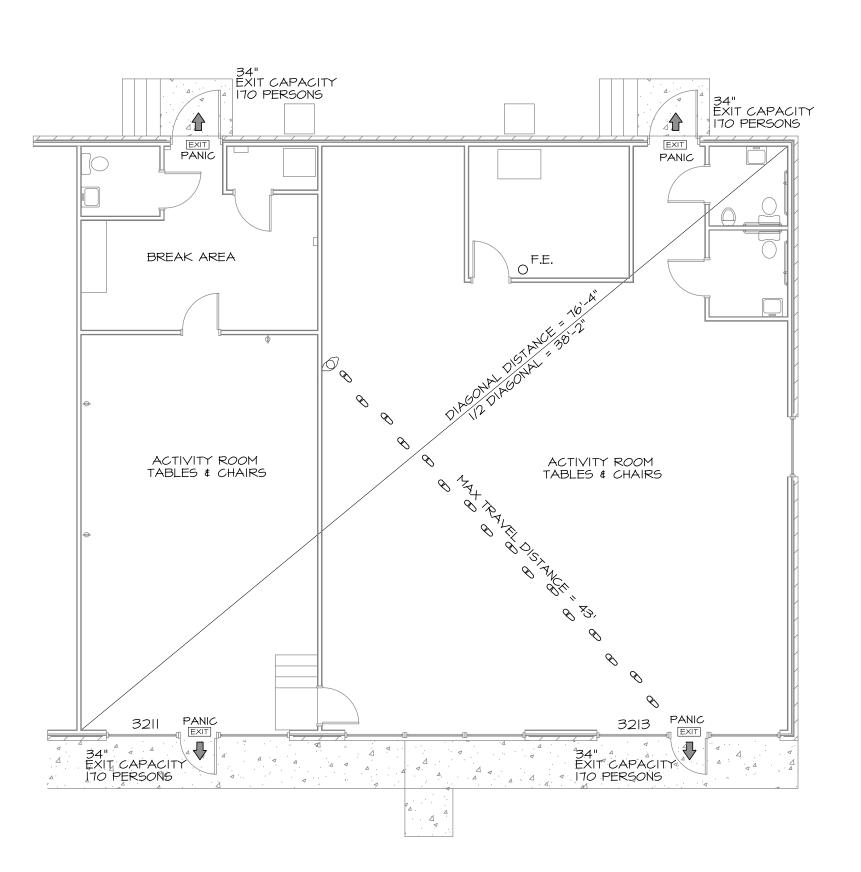


VICINITY MAP

NO SCALE



EXISTING FLOOR PLAN





OCCUPANCY AND PLUMBING FIXTURE INFORMATION TYPE OF CONSTRUCTION: V-B GROSS EXTERIOR SQUARE FOOTAGE = 2,859 SF GROSS SQUARE FOOTAGE LESS BATHS, HALLS, HVAC = 2859 - 432 = 2,427 SPACE OCCUPANCY BY NET SF USING TABLE 1004.1.2

-3'-0" S.S. GRAB BAR

-3'-6" S.S. GRAB BAR

-1'-6" S.S. GRAB BAR

= 162 TOTAL PERSONS = 81 MALES, 81 FEMALES MALE TOILETS REQUIRED = | PER | 125 = | TOTAL (| PROVIDED) MALE LAVATORIES REQUIRED = 1 PER 200 = 1 TOTAL (1 PROVIDED) FEMALE TOILETS REQUIRED = 1 PER 65 = 2 TOTAL (2 PROVIDED) FEMALE LAVATORIES REQUIRED = 1 PER 200 = 1 TOTAL (2 PROVIDED)
MAXIMUM TRAVEL DISTANCE: 43 FEET MAXIMUM ALLOWABLE TRAVEL DISTANCE: 200 FEET (PER TABLE 1017.2) THE COMMON PATH OF TRAVEL IS LESS THAN 75 FEET (PER 1029.8) THERE ARE NO DEAD END CORRIDORS OVER 20 FEET. (PER 1020.4)

ASSEMBLY A-3 (TABLES & CHAIRS) = 2427/15 SF PER PERSON

NUMBER OF EXITS PROVIDED: TWO MAXIMUM DIAGONAL LENGTH = 76'-4" (1/2 DIAGONAL = 38'-2") ALL EXTERIOR DOORS SHALL HAVE PANIC HARDWARE. (PER 1010.1.10) DOORS DO NOT HAVE DELAYED EGRESS LOCKS (PER 1010.1.9.6.2) DOORS DO NOT HAVE ELECTROMAGNETIC EGRESS LOCKS (PER 1010.1.9.9)

DOORS DO NOT HAVE HOLD OPEN DEVICES.
THERE ARE NO EMERGENCY ESCAPE WINDOWS (PER 1030) EGRESS ILLUMINATION PROVIDED AT EACH EXIT (PER 1008) THIS SPACE IS NOT PROTECTED BY FIRE SPRINKLERS.

MIN. NO. OF EXITS REQ'D: ONE (PER SECTION 1006)

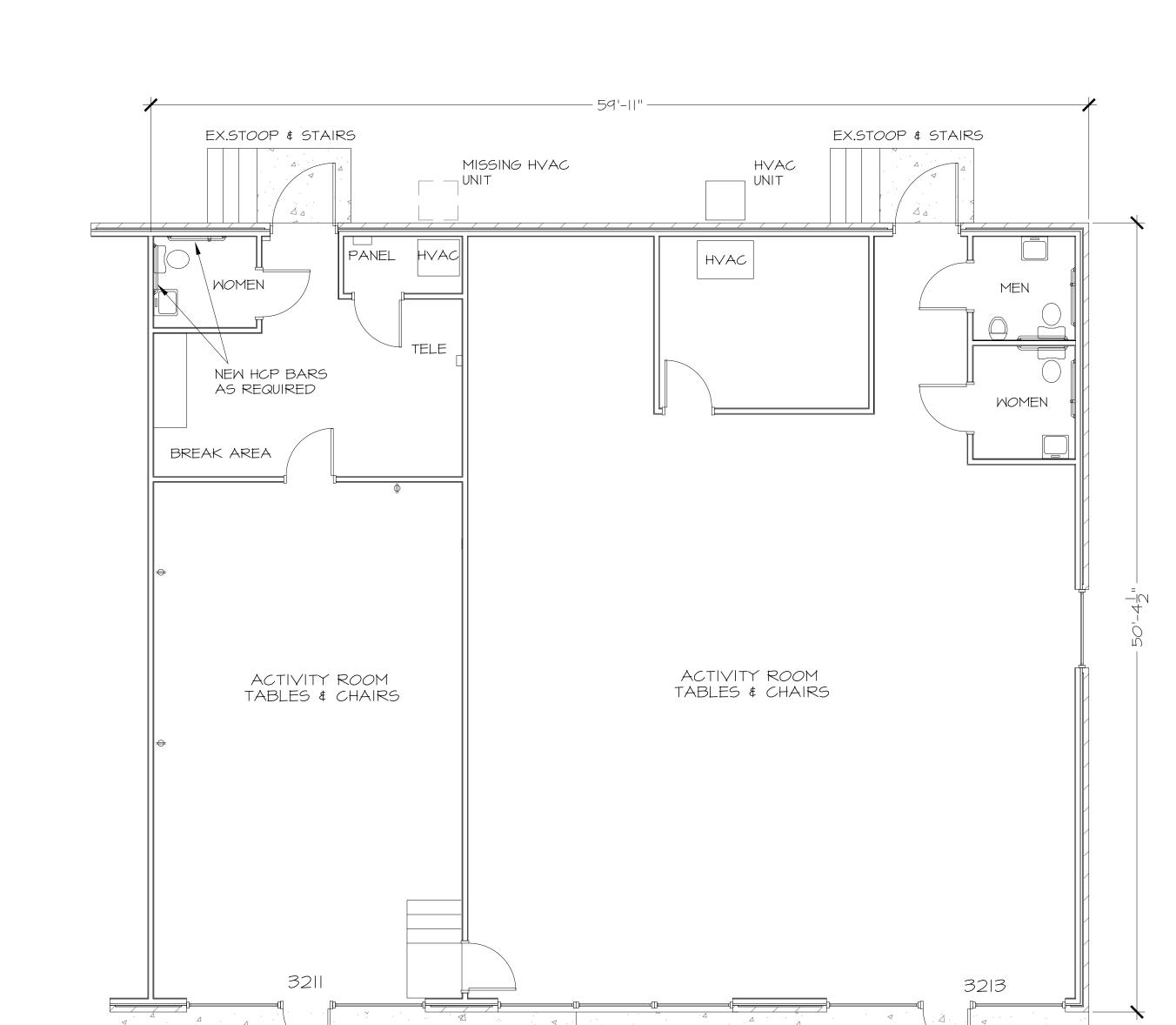
NO. OF FIRE EXTINGUISHERS PROVIDED: I TOTAL PROVIDE FIRE EXTINGUISHERS UNDER THE FOLLOWING CONDITIONS:

1. WITHIN 30' OF COMMERCIAL COOKING EQUIPMENT 2. IN AREAS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED, USED

OR DISPENSED. 3. WHERE REQUIRED BY SECTIONS IN SECTION 906 4. SPECIAL-HAZARD AREAS WHERE REQUIRED BY FIRE CODE OFFICIAL.

<u>LEGEND</u>

ABC FIRE EXTINGUISHER SUGGESTED LOCATION () as as EXIT ROUTE EXIT EXIT SIGN



FLOOR PLAN

4' SIDEWALK

ALL EXTERIOR DOORS ARE TO BE EQUIPPED WITH PANIC HARDWARE.

SEE ELECTRICAL PLAN FOR COMBINATION OF

ELECTRICAL SERVICES.

-MIRROR MTD @ 40" A.F.F. MAX TO BOTTOM OF REFLECTING SURFACE - INSULATE HOT WATER & DRAIN

PIPES OPTIONAL CUP

, 24" DEEP URINAL PARTITION

- 14" MIN. PROJECTION FROM/

DISPENSER

WALL URINAL

6" MAX. DEPTH x 30" MIN. WIDTH TOE CLEARANCE

TYPICAL MOUNTING HTS & CLEARANCES FOR ACCESSIBILITY

- T.S. COVER DISPENSER

---PAPER TOWEL DISPENSER

CHANGE STATION

-PULL STATION

THERMOSTAT FIRE ALARM ---

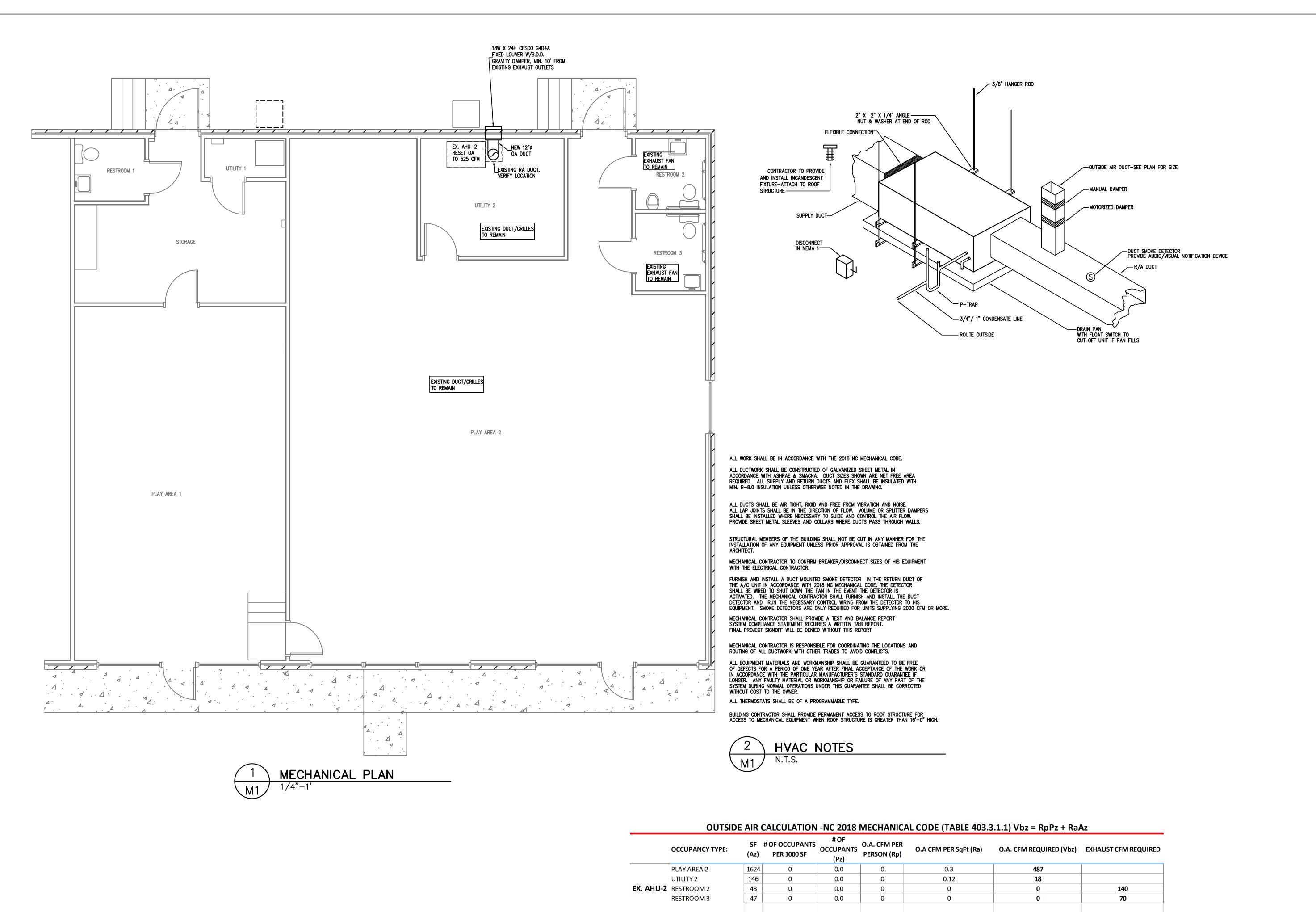
REVISIONS:

ROSE,

DRAWN BY: GMR

CHECKED:

SCALE: NOTED SHEET NO.



TOTAL CFM REQUIRED

TOTAL CFM FURNISHED

505

525

210 210 Dec 20, 2023

Dec 20, 2023

SEAL 20193

SEAL 20193

SEAL 20193

Coastal Plains Engineering, P.A

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

LAY TOWN

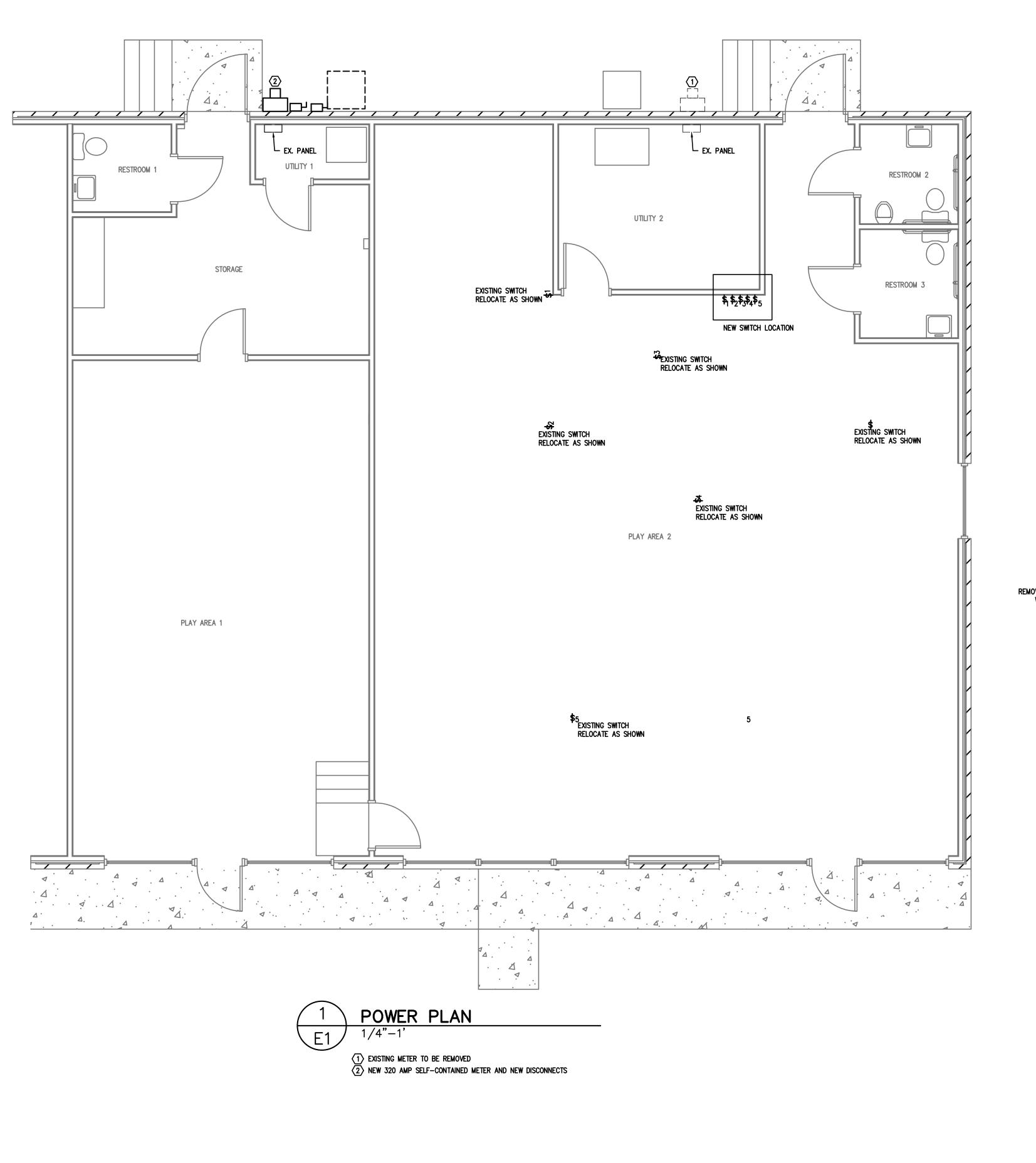
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PROJECT NO: 2023–179
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CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY FOR SERVICE. A COMPLETE AND WORKING SYSTEM IS REQUIRED FOR COMPLIANCE WITH THESE DOCUMENTS. DETERMINE THE POINT OF CONNECTION TO THE UTILITY WITH THE UTILITY REPRESENTATIVE AND PROVIDE ACCORDINGLY FOR A COMPLETE WORKING SYSTEM.

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

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

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

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

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

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

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

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

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

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

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

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

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

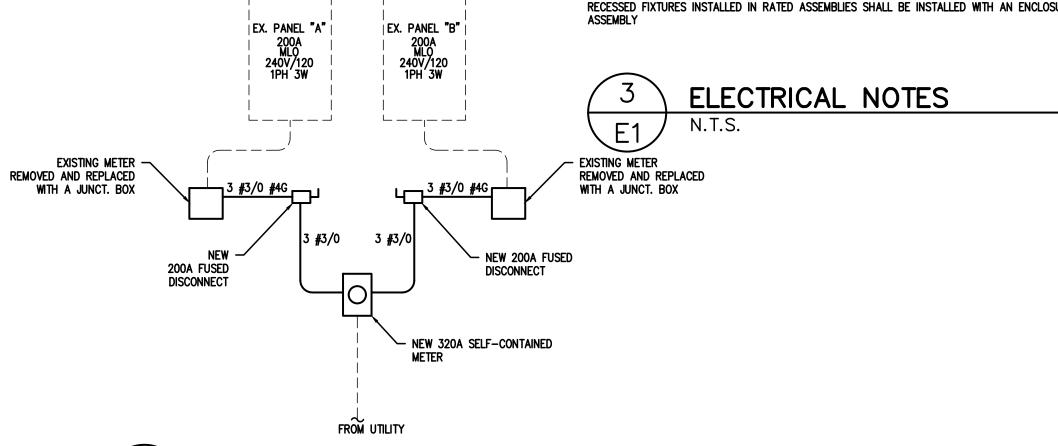
THE CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THIS PROJECT PRIOR TO THE INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND ALLOW FOR OPTIMUM WORKING SPACE AND MAINTENANCE.

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

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

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

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



3

ELECTRICAL RISER

TYPICAL GROUNDING

GROUNDING ELECTRODE DETAILS

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

1 CONNECT TO METALIC WATER PIPE AS REQ'D.

3 3/4"x10' LONG COPPER CLAD GROUNDING ROD W/ #6 COPPER GROUND.

② #A COPPER GROUND PLACED TO BLDG STEEL

A=#4 CU A&b

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TOWN

PLAY

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PROJECT NO: 2023—179
DRAWN BY: SIL
REVISIONS:

SHEET NO:

Coastal Plains Engineering, P. Locklers RD P. D. Box 1117 Pembroke, NC 28372 Voice: 910-521-7213 Fax: 910-521-7213 www.coastalplainseng.com