SUB-TOTAL

TOTAL BUILDING = 7,000 SQ. FT.

TENANT 1 = 3,500 SQ. FT.

TENANT 2 = 3,500 SQ. FT.

2018 EDITION NC BUILDING CODE: ⊠	NEW BUILDING	☐ ADDITION	RENOVATION
	1ST TIME INTERIOR COMPLETIONS		
	SHELL/CORE-CONTACT THE LEAD IN	ISPECTION JURISDI	CTION FOR POSSIBLE ADDITIONAL
	PROCEDURES & REQUIREMENTS		
	PHASED CONSTRUCTION-SHELL/COR	E-CONTACT THE	EAD INSPECTION JURISDICTION FOR
_	FOR POSSIBLE ADDITIONAL PROCEDU		•
	·		•
2018 NC EXISTING BUILDING CODE:	PRESCRIPTIVE REPAIR		CHAPTER 14
ALTERATION:	] LEVEL I LEVEL II		LEVEL III
	] HISTORIC PROPERTY   CHANGE	OF USE	
CONSTRUCTED: (DATE) CURRENT OCC	CUPANCY(S): (CH. 3)	•	•
RENOVATED: (DATE) PROPOSED OF	CCUPANCY(S) (CH. 3):	•	
OCCUPANCY CATEGORY (TABLE 1604.5): CURREN	T:		
BASIC BUILDING DATA:  PROPOSE			
CONSTRUCTION TYPE:	-A 🗆 III—A 🗀 IV	□ V-A	
		□ V-B	
SPRINKLERS: ⊠ NO □ PARTIAL □	YES	□NFPA 13R	□ NFPA 13D
STANDPIPES: ⊠ NO ☐ YES CLAS	S 🗆 I 🗆 II 🗆 III 🗆 WET	□ DRY	
PRIMARY FIRE DISTRICT: ☑ NO ☐ YES	FLOOD HAZARD AREA: I NO	☐ YES	•
SPECIAL INSPECTIONS REQUIRED: ☑ NO □	YES (CONTACT THE LOCAL INS PROCEDURES & REQUIREM		CTION FOR ADDITIONAL
	, , to to my to , the to , the to 91 the 171	<del></del> /	

NEW (SQ FT)

3,500 (UPFIT)

("OTHER" SHOULD INCLUDE FIRMS AND INDIVIDUALS SUCH AS TRUSS, PRECAST, PRE-ENGINEERED, INTERIOR DESIGNERS, ETC.)

TOTAL GROSS AREA: 7,000

ALLOWABLE AREA

PRIMARY OCCUPANCY	CLASSIFICAT	TON(S):			
ASSEMBLY	□ A-1	⊠ A-2	□ A-3	□ A-4	□ A-5

BUSINESS EDUCATIONAL FACTORY ☐ F-1 MODERATE ☐ F-2 LOW

SPECIAL PROVISIONS(CHAPTER 5-LIST CODE SECTIONS):

RETAINING WALLS >5' HIGH

GROSS BUILDING AREA:

3RD FLOOR

2ND FLOOR

MEZZANINE

1ST FLOOR

BASEMENT

EXISTING (SQ FT)

☐ H-1 DETONATE ☐ H-2 DEFLAGRATE ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5 HPM HAZARDOUS INSTITUTIONAL | I-1 CONDITION

☐ I-2 CONDITION □ 1 □ 2  $\square$  1–3 CONDITION  $\square$  1  $\square$  2  $\square$  3  $\square$  4  $\square$  5 □ 1-4

MERCANTILE STORAGE

☐ S-1 MODERATE ☐ S-2 LOW ☐ HIGH-PILED ☐ PARKING GARAGE ☐ OPEN ☐ ENCLOSED ☐ REPAIR GARAGE

☐ UTILITY AND MISCELLANEOUS ACCESSORY OCCUPANCY CLASSIFICATION(S):\_\_ INCIDENTAL USES(TABLE 509): SPECIAL USES(CHAPTER 4-LIST CODE SECTIONS):\_\_\_

MON-SEPARATED USE(508.3) THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE

OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING. SEPARATED USE (508.4) SEE BELOW FOR AREA CALCULATIONS FOR EACH STORY, THE AREA OF THE OCUPANCY 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. ACTUAL AREA OF OCCUPANCY A ACTUAL AREA OF OCCUPANCY B ALLOWABLE AREA OF OCCUPANCY A ALLOWABLE AREA OF OCCUPANCY B ≤1

DESCRIPTION AND USE STORY NO. (A) BLDG AREA AREA FOR TABLE 506.2 ALLOWABLE PER STORY (ACTUAL) FRONTAGE AREA PER STORY OF AREA INCREASE<sup>1,5</sup> UNLIMITED<sup>2,3</sup> 3,500 9,500 9,500 A-2 1 ----

<sup>1</sup>FRONTAGE AREA INCREASES FROM SECTION 506.2 ARE COMPUTED THUS:

- A. PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH = \_\_\_\_\_(F)
- B. TOTAL BUILDING PERIMETER
- C. RATIO  $(F/P) = ____ (F/P)$ D. W = MINIMUM WIDTH OF PUBLIC WAY = \_\_\_\_\_ (W)
- E. PERCENT OF FRONTAGE INCREASE  $\frac{1}{4}$  = 100[F/P-0.25] X W/30=\_\_\_\_\_(%)
- <sup>2</sup>UNLIMITED AREA APPLICABLE UNDER CONDITIONS OF SECTION 507.
- <sup>3</sup>MAXIMUM BUILDING AREA = TOTAL NUMBER OF STORIES IN THE BUILDING  $\times$  D (MAXIMUM 3 STORIES) (506.2).
- <sup>4</sup> THE MAXIMUM AREA OF OPEN PARKING GARAGES MUST COMPLY WITH 406.5.4.
- <sup>5</sup> FRONTAGE INCREASE IS BASED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2.

ALLOWABLE HEIGHT **ALLOWABLE** SHOWN ON PLANS REFERENCE ' BUILDING HEIGHT IN FEET (TABLE 504.3) FEET \_\_\_\_\_55 23'-8"

BUILDING HEIGHT IN STORIES (TABLE 504.4)3 STORIES 3 STORIES 1 1. PROVIDE CODE REFERENCE IF THE "SHOWN ON PLANS" QUANTITY IS NOT BASED ON TABLE 504.3 OR 504.4.

2. THE MAXIMUM HEIGHT OF AIR TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.3.1. 3. THE MAXIMUM HEIGHT OF OPEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.4.

### FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE		RATING	DETAIL	DESIGN #	DESIGN # FOR	DESIGN
	SEPARATION	REQ'D	PROVIDED	AND	l FOR	RATED	# FOR
	DISTANCE		(W/*	SHEET		PENETRATION	RATED
	(FEET)		REDUCTION)	#	<u>ASSEMBLY</u>		JOINTS
STRUCTURAL FRAME,							
INCLUDING COLUMNS,	_	0			-	-	
GIRDERS, TRUSSES							
BEARING WALLS				_	-		
EXTERIOR	_		******		_		-
NORTH		0	*****	1	_	-	-
EAST		0					
WEST		0					
SOUTH		0	<b>↔</b>	-			
INTERIOR		0	-	-	-	_	
NONBEARING WALLS &							
PARTITIONS			- 1	_	_	_	
EXTERIOR	-	0	<u> </u>			_	_
NORTH		0				-	
EAST	-	0		_			
WEST	p	0	-	-	-	<del>-</del>	
SOUTH	-	0	-	_		_	
INTERIOR	-	0	2000		-	2440	-
FLOOR CONSTRUCTION							
INCLUDING SUPPORTING	-	0	_	-	<b>–</b>		
BEAMS AND JOISTS							
FLOOR CEILING ASSEMBLY			*****				
COLUMNS SUPPORTING FLOORS	_	_	-		****	Numb	••••
ROOF CONSTRUCTION							······································
INCLUDING SUPPORTING	_	0			_	_	
BEAMS AND JOISTS							
ROOF CEILING ASSEMBLY	****		<del></del>		_		-
COLUMNS SUPPORTING ROOF			B-100-7	••••		-	
SHAFT ENCLOSURES-EXIT		_				*****	••••
SHAFT ENCLOSURES-OTHER		_					****
CORRIDOR SEPARATION		0					
OCCUPANCY SEPARATION	_	_				-	
PARTY/FIRE WALL SEPARATION	_	_	_				_
SMOKE BARRIER SEPARATION						*****	•***
TENANT/DWELLING UNIT/							
SLEEPING UNIT SEPARATION	-	-	_	_	_		
INCIDENTAL USE SEPARATION							

\*INDICATE SECTION NUMBER PERMITTING REDUCTION

### PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
82'	UP; NS	NO LIMIT	42%

LIFE SAFETY SYSTEM REQUIREMENTS:

EMERGENCY LIGHTING: ☐ NO ☒ YES EXIT SIGNS: ☐ NO ☒ YES FIRE ALARM: ☑ NO ☐ YES ☑ NO ☐ YES ☐ PARTIAL \_\_\_\_\_ SMOKE DETECTION SYSTEMS: ⊠ NO □ YES CARBON MONOXIDE DETECTION:

LIFE SAFETY PLAN REQUIREMENTS:

LIFE SAFETY PLAN SHEET #, IF PROVIDED \_LS-1 OF 1

### ACCESSIBLE DWELLING UNITS N/A

	(SECTION 1107)								
TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED		

### ACCESSIBLE PARKING-SEE SITE PLAN-SEE SITE PLAN

(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF	PARKING SPACES	# OF ACCESSIBL	TOTAL #		
AREA	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES 132" ACCESS AISLE		ACCESSIBLE PROVIDED
	24	37	2			Ż

## PLUMBING FIXTURE REQUIREMENTS—(NO REQUIREMENT FOR SHELL BUILDING)

						IADLE	<u>. 2902.</u>	1)			
	USE	WATERCLOSETS			URINALS	LAVATORIES		SERVICE SINK	DRINKING FOUNTAINS		
		MALE	FEMALE	UNISEX	UKINALS	MALE	FEMALE	UNISEX	SHIV	REGULAR	ACCESSIBLE
SPACE	REQUIRED	2	2			1	1		1		
	PROVIDED	1	2		1	1	1	-	1	· <b>–</b>	<del>_</del>

add exceptions for unisex, no mop sink, and no drinking fountain

### SPECIAL APPROVALS

SPECIAL APPROVAL: (LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPI, DHHS, ICC, ETC., DESCRIBE BELOW)

		•	

**DESIGN LOADS:** STRUCTURAL DESIGN-EXISTING

SEISMIC (I<sub>E</sub>) \_\_\_\_1.0

LIVE LOADS: MEZZANINE N/A

GROUND SNOW LOAD: \_\_\_\_15\_\_\_\_ PSF

BASIC WIND SPEED 118 ULT MPH (ASCE-7) WIND LOAD: EXSPOSURE CATEGORY \_\_\_\_\_B

SEISMIC DESIGN CATEGORY

PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS: OCCUPANCY CATEGORY (TABLE 1604.5) 

\_\_\_\_\_100\_\_\_\_\_PSF

SPECTRAL RESPONSE ACCELERATION S<sub>S</sub> 0.17 %g S<sub>1</sub> 0.08 %g DATA SOURCE: 

FIELD TEST 

PRESUMPTIVE 

HISTORICAL DATA

BASIC STRUCTURAL SYSTEM (CHECK ONE)

☐ BEARING WALL ☐ DUAL W/SPECIAL MOMENT FRAME ☑ BUILDING FRAME ☐ DUAL W/INTERMEDIATE R/C OR SPECIAL STEEL ☐ MOMENT FRAME ☐ INVERTED PENDULUM

ANALYSIS PROCEDURE SIMPLIFIED DEQUIVALENT LATERAL FORCE DYNAMIC ARCHITECTURAL, MECHANICAL, COMPONENTS ANCHORED? YES NO

LATERAL DESIGN CONTROL: EARTHQUAKE

SOIL BEARING CAPACITIES: FIELD TEST (PROVIDE COPY OF TEST REPORT) — PSF PRESUMPTIVE BEARING CAPACITY PILE SIZE, TYPE, AND CAPACITY

### **ENERGY REQUIREMENTS:**

THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PERFORMANCE METHOD, STATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VS THE ANNUAL ENERGY COST FOR THE PROPOSED DESIGN.

EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: NO YES (THE REMAINDER OF THIS SECTION IS NOT APPLICABLE)

**EXEMPT BUILDING** NO YES PROVIDE CODE OR STATUTORY REFERENCE: CLIMATE ZONE:

ASHRAE 90.1 PERFORMANCE

METHOD OF COMPLIANCE: ENERGY CODE PERFORMANCE

PRESCRIPTIVE PRESCRIPTIVE

OTHER: PERFORMANCE (SPECIFY SOURCE)

THERMAL ENVELOPE (PRESCRIPTIVE METHOD ONLY)

RUDF/CEILING ASSEMBLY (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY R-19 + R-11 LS WITH R-3 THERMAL BLOCKS

U-VALUE OF TOTAL ASSEMBLY: N/A R-VALUE OF INSULATION: N/A

SKYLIGHTS IN EACH ASSEMBLY N/A U-VALUE OF SKYLIGHT: N/A

TOTAL SQUARE FOOTAGE OF SKYLIGHTS IN EACH ASSEMBLY N/A

EXTERIOR WALLS (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY R-0.0+R-15.8 CI, WITH BRICK VENEER

U-VALUE OF TOTAL ASSEMBLY R-VALUE OF INSULATION: N/A OPENINGS (WINDOWS OR DOORS WITH GLAZING) DOUBLE PANE, H.M. FRAME U-VALUE OF ASSEMBLY 0.45 SOLAR HEAT GAIN COEFFICIENT: N/A

PROJECTION FACTOR N/A DOOR R-VALUES 1.3 WALLS BELOW GRADE (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY N/A

U-VALUE OF TOTAL ASSEMBLY N/A \_\_\_\_\_ R-VALUE OF INSULATION: N/A

FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY) DESCRIPTION OF ASSEMBLY N/A U-VALUE OF TOTAL ASSEMBLY N/A R-VALUE OF INSULATION N/A

FLOOR SLAB ON GRADE DESCRIPTION OF ASSEMBLY SLAB-ON-GRADE R-VALUE OF INSULATION R-15 TO BOTTOM OF FOOTING

U-VALUE OF TOTAL ASSEMBLY \_\_\_\_\_ HORIZONTAL / VERTICAL REQUIREMENT\_\_\_\_\_ SLAB HEATED ? ND

## Summary:

ENERGY CODE:

2018 NORTH CAROLINA STATE BUILDING CODE: ENERGY CONSERVATION CODE 2018 NORTH CAROLINA STATE BUILDING CODE: BUILDING CODE

and is subject to field inspection and verification.

12/27/2024

REV1

Harnett

COUNTY

NORTH CAROLINA

BUILDING CODE: MECHANICAL CODE:

PLUMBING CODE:

2018 NORTH CAROLINA STATE BUILDING CODE: MECHANICAL CODE 2018 NORTH CAROLINA STATE BUILDING CODE: PLUMBING CODE

ELECTRICAL CODE: 2020 NATIONAL ELECTRIC CODE

ICC/ANSI 117.1-2009 AMERICAN NATIONAL STANDARD ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ACCESSIBILITY CODE:

CONSTRUCTION:

OCCUPANCY:

SHEET INDEX

APPENDIX B LS-1 OF 1 LIFE SAFETY PLAN

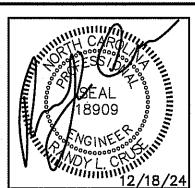
F-1 OF 3 FLOOR PLAN EQUIPMENT PLAN F-2 OF 3

F-3 OF 3 HVAC PLATFORM DETAILS PLUMBING SUPPLY PLAN P-1 OF 3 WASTE & VENT PIPING PLAN P-2 OF 3

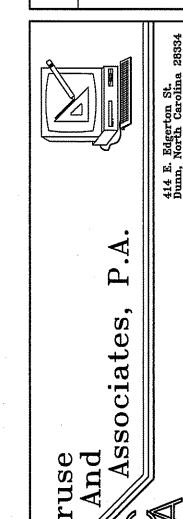
P-3 OF 3 WASTE & VENT PIPING PLAN M-1 OF 3 MECHANICAL HVAC PIPING PLAN M-2 OF 3 GAS PIPING PLAN

MECHANICAL DETAILS, SCHEDULES M-3 OF 3 E-1 OF 3 ELECTRICAL LIGHTING PLAN

ELECTRICAL POWER PLAN E-2 OF 3 ELECTRICAL NOTES. RISER DIAGRAM. PANELS E-3 OF 3



REVISIONS



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DATE 08-09-24 DRAWN BY BAM JOB NO. 24-16

SHEET NO.

### **EXIT REQUIREMENTS:**

		NOWR	EK AND AKKAN	IGEMENTS OF E	-XI 12		
FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM <sup>2</sup> NO. OF EXITS		TRAVEL DIS	TANCE	ARRANGEMENT MEANS OF EGRESS 1,3 (SECTION 1016-1021)		
	REQ'D.	SHOWN ON PLANS	ALLOWABLE TRAVEL DISTANCE (TABLE 1017.2)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS	
A-2	2	3	200'	58'-1"	41'-0"	73'11"	
		•					

1. CORRIDOR DEAD ENDS (SECTION 1020.4)

2. BUILDINGS WITH SINGLE EXITS (TABLE 1006.3.2(2)), SPACES WITH ONE MEANS OF EGRESS (TABLE 1006.2.1) 3. COMMON PATH OF TRAVEL (SECTION 1029.8)

EXIT WIDTH

		,	W-/ \\ 1	11112111					
USE GROUP OR SPACE DESCRIPTION	(a)	(b)		(c)	)		EXIT WIL	OTH (in)	
5, 7,52 B255111 1,511	AREA1		CALCULATED OCCUPANT LOAD	OCCUPANT   FER OCCUPANT		REQUIRED WIDTH (SECTION 1005.1) (a/b) x c		ACTUAL WIDTH SHOWN ON PLANS	
		1004.1.2)	(a/b)	STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL
DINING	2,635	FIXED SEATING	92	N/A	.2	N/A	18.4"	N/A	72"
KITCHEN	665	200 GROSS	4	N/A	.2	N/A	.8"	N/A	36"
WAITING/HOSTESS	200	FIXED SEATING	8	N/A	.2	N/A	1.6"	N/A	72"
	3,500		104						

1. SEE TABLE 1004.1.2 TO DETERMINE WHETHER NET OR GROSS AREA IS APPLICABLE SEE DEFINITION "AREA, GROSS" AND "AREA, NET" (SECTION 1002, DEFINED IN CHAPTER 2)

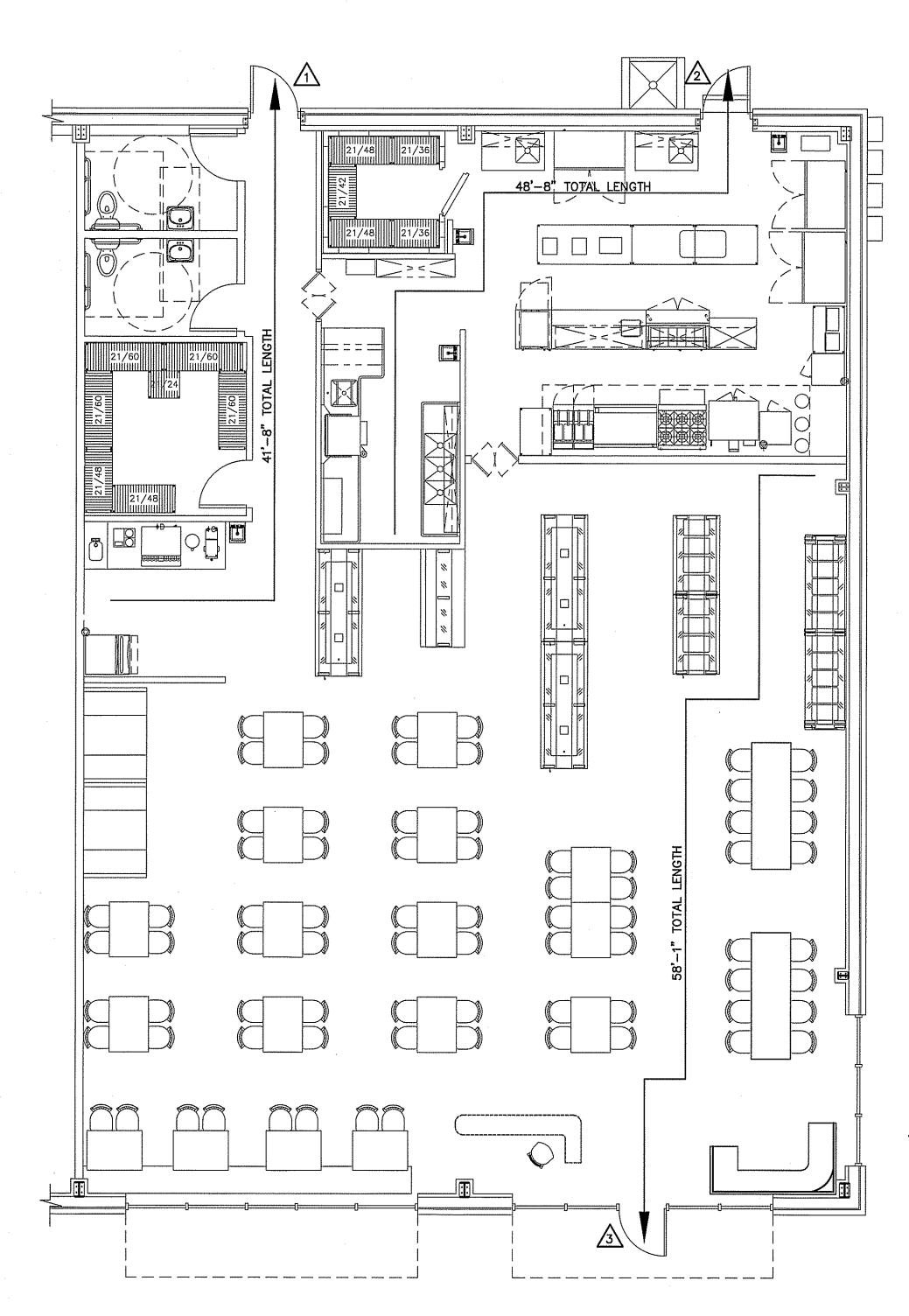
2. MINIMUM STAIRWAY WIDTH (SECTION 1011.2); MIN. CORRIDOR WIDTH (SECTION 1020.2); MIN. DOOR WIDTH (SECTION 1010.1.1)

3. MINIMUM WIDTH OF EXIT PASSAGEWAY (SECTION 1024)

4. SEE SECTION 1005.6 FOR CONVERGING EXITS.

5. THE LOSS OF ONE MEANS OF EGRESS SHALL NOT REDUCE THE AVAILABLE CAPACITY TO LESS THAN 50% OF THE TOTAL REQUIRED (SECTION 1005.5)

6. ASSEMBLY OCCUPANCIES (SECTION 1029)



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

### LIFE SAFETY PLAN REQUIREMENTS:

FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7) - SEE NOTE 1

☑ ASSUMED AND REAL PROPERTY LINE LOCATIONS — SEE NOTE 2

☑ EXTERIOR WALL OPENING AREA WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES (705.8) - SEE NOTE 3

☑ OCCUPANCY TYPES FOR EACH AREA AS IT RELATES TO OCCUPANT LOAD CALCULATION (TABLE 1004.1.2)

OCCUPANT LOADS FOR EACH AREA

☑ COMMON PATH OF TRAVEL DISTANCES (1006.2.1 & 1006.3.2(1))

☑ DEAD END LENGTHS (1020.4) - SEE NOTE 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. SEE NOTE 5

☑ LOCATION OF DOORS WITH PANIC HARDWARE (1010.1.10) - SEE NOTE 6

☑ LOCATION OF DOORS WITH DELAYED EGRESS LOCKS AND AND THE AMOUNT OF DELAY (1010.1.9.7) - SEE NOTE 7 ☑ LOCATION OF DOORS WITH ELECTROMAGNETIC EGRESS LOCKS (1010.1.10) - SEE NOTE 7

☑ LOCATION OF DOORS EQUIPPED WITH HOLD-OPEN DEVICES - SEE NOTE 7

☑ LOCATION OF EMERGENCY ESCAPE WINDOWS (1030) - SEE NOTE 7

☑ THE SQUARE FOOTAGE OF EACH FIRE AREA (202) - SEE NOTE 8 ☑ THE SQUARE FOOTAGE OF EACH SMOKE COMPARTMENT (407.5) - SEE NOTE 9

□ NOTE ANY CODE EXCEPTIONS OR TABLE NOTES THAT MAY HAVE BEEN UTILIZED REGARDING THE ITEMS ABOVE

### LIFE SAFETY PLAN NOTES:

NO RATED WALLS.

2. ALL ASSUMED AND REAL PROPERTY LINES >30'.

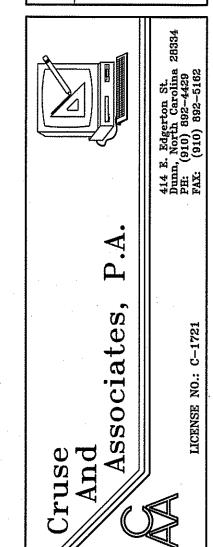
3. UNLIMITED (ALL 30' OR GREATER) 4. NO DEAD ENDS; 20' ALLOWED.

5. NO RATING REQUIRED THIS STRUCTURE

6. PANIC HARDWARE REQUIRED ON ALL EXIT DOORS. 7. NO DELAYED EGRESS LOCKS, ELECTROMAGNETIC LOCKS, HOLD OPEN DEVICES, OR EMERGENCY ESCAPE WINDOWS

8. FIRE AREAS DO NOT EXCEED CODE ALLOWANCE 9. BUILDING MEETS CODE REQUIREMENTS WITHOUT SUBDIVISION INTO SMOKE COMPARTMENTS; NO SMOKE COMPARTMENTS

REVISIONS 12/18/2024



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**REVISION #1:** 

REVISED FLOOR PLAN & EQUIPMENT LAYOUT

KEY PLAN

DATE 08-09-24 DRAWN BY BAM JOB NO. 24-16

SHEET NO. LS-1 OF

AREA/ROOM/SPACE DESIGNATIONS USED ON LIFE SAFETY PLANS ARE EXCLUSIVE TO LIFE SAFETY PLAN ONLY, AND ARE NOT INDICATIVE OF ANY ACTUAL SPACE DESIGNATIONS USED ELSEWHERE.

> MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.1)

1 35" CLEAR WIDTH DIVIDED BY .2" = 175 OCCUPANTS CALCULATED OCCUPANCY PER EXIT = 50 PEOPLE CALCULATED OCCUPANCY DOES NOT EXCEED MAXIMUM CAPACITY OF EXIT.

2 35" CLEAR WIDTH DIVIDED BY .2" = 175 OCCUPANTS CALCULATED OCCUPANCY PER EXIT = 4 PEOPLE CALCULATED OCCUPANCY DOES NOT EXCEED MAXIMUM CAPACITY OF EXIT.

 $\sqrt{3}$  35" CLEAR WIDTH DIVIDED BY .2" = 175 OCCUPANTS CALCULATED OCCUPANCY PER EXIT = 50 PERSON CALCULATED OCCUPANCY DOES NOT EXCEED MAXIMUM CAPACITY OF EXIT.

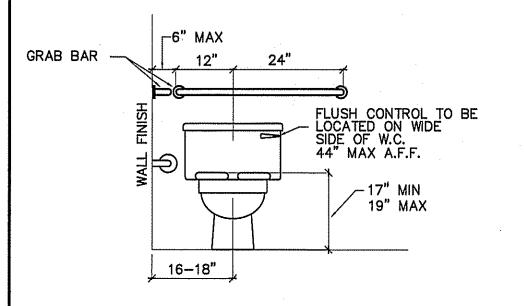
## NOTES:

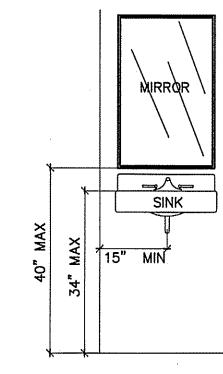
- 1. ALL COLORS, TEXTURES, FINISHES, AND STYLES TO BE SELECTED BY OWNER IN ACCORDANCE WITH CODE REQUIREMENTS AND REQUIREMENTS OF ALL APPLICABLE AUTHORITIES HAVING JURISDICTION.
- 2. PROVIDE SOUND PROOFING INSULATION IN WALLS AROUND RESTROOMS.
- 3. MILLWORK DESIGNED AND PROVIDED BY OTHERS.
- 4. RESTROOM FLOOR AND WALL FINISHES SHALL HAVE HARD, NONABSORBANT SURFACES AND COMPLY WITH NCSBC 1210.2.1 AND 1210.2.2
- 5. PROVIDE WASHABLE SURFACES IN ALL KITCHEN AREAS AS REQUIRED BY LOCAL & STATE CODES.
- 6. COORDINATE CAN WASH WALL LOCATIONS WITH FIXTURE ROUGH-IN REQUIREMENTS.

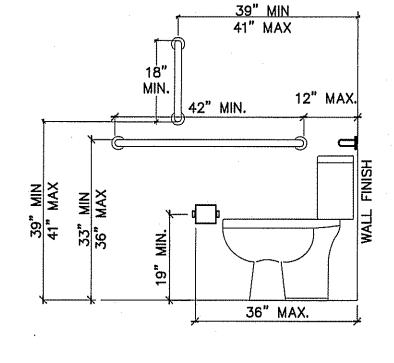
## WALL LEGEND

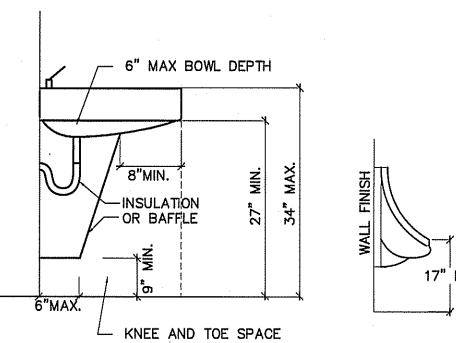
- 1 2-1/2" FURRING STRIP @ 16" O.C. WITH 5/8" DRYWALL.
- 2 6", 18 GA. METAL STUDS @ 16" O.C., 5/8" DRYWALL, WITH S.S. BACKSPLASH (BY OTHERS) (SEE DETAIL FOR WALL BRACING)
- 3 2 X 6 WOOD STUDS @ 16" O.C., 5/8" DRWYALL. SEE WALL DETAIL.
- (4) 2 X 4 WOOD STUDS @ 16" O.C., 5/8" DRYWALL.
- (5) MAINTAIN ADA CLEARANCES. SEE SHEET LS-1 FOR ADA CLEARANCES.
- 6 2X4 WOOD STUDS @ 16" O.C., 5/8" DRYWALL. DIRECTLY ABOVE COOLER/FREEZER WALLS TO A HEIGHT 6" ABOVE THE ACOUSTICAL CEILING.
- 7 2 X 8 WOOD STUDS @ 16" O.C., 5/8" DRWYALL. SEE WALL DETAIL.
- 8 PROVIDE RAIN COVER FOR CAN WASH.

NOTE: SEE SHEET F-3 FOR HVAC PLATFORM LOCATIONS. WALLS SUPPORTING PLATFORMS TO EXTEND BEYOND CEILING. PLATFORM BEARING HEIGHT = CEILING HT. PLUS 6". INSTALL 2X2 ACOUSTICAL CEILING BELOW PLATFORM.



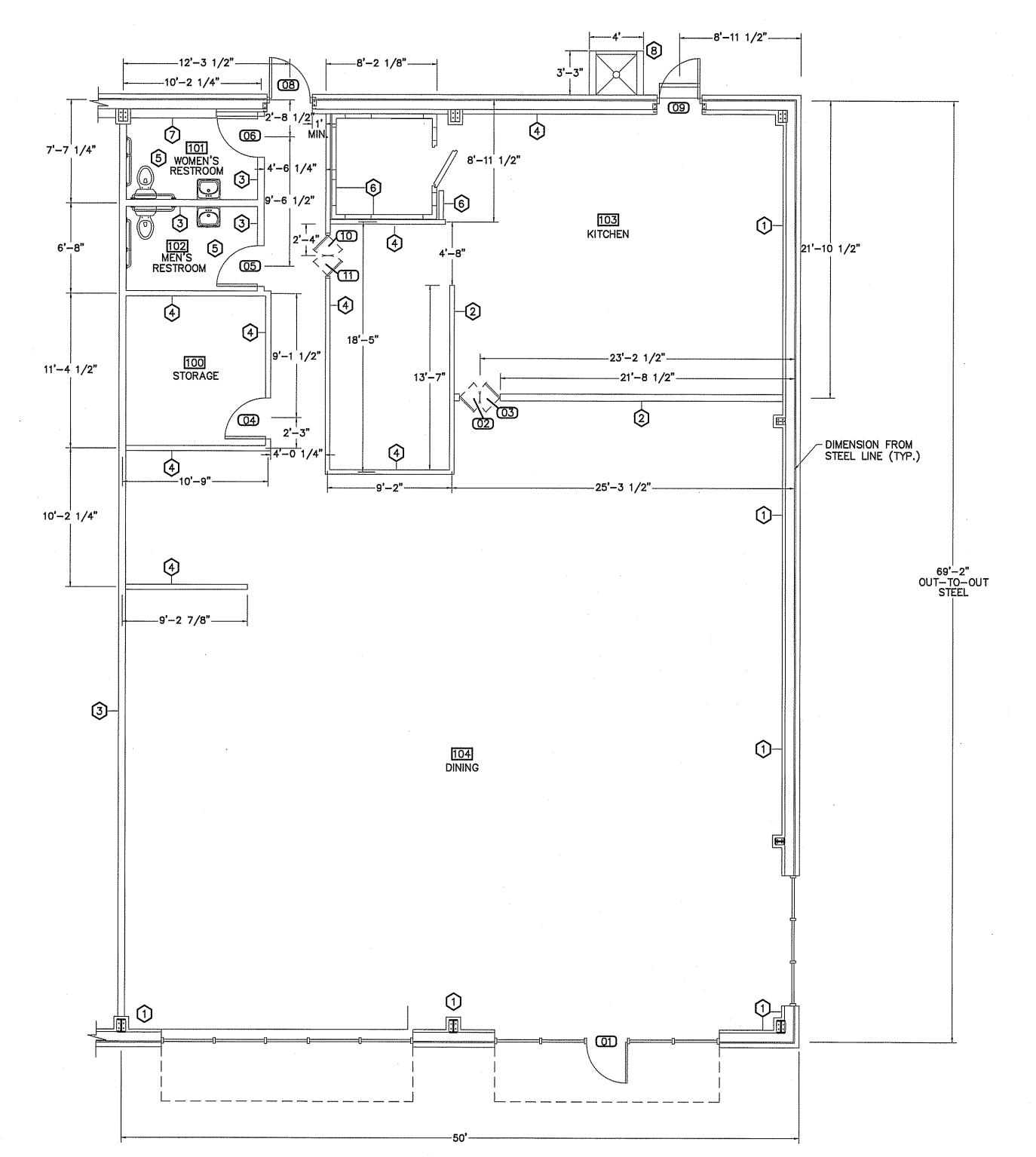






RESTROOM ACCESSIBILITY DETAILS

SCALE: 1/2" = 1'-0"



PROPOSED FLOOR PLAN
SCALE: 3/16" = 1'-0"

REMARKS ROOM ROOM NAME 100 DRY STORAGE 101 WOMEN'S RESTROOM 102 MEN'S RESTROOM 103 KITCHEN 104 DINING

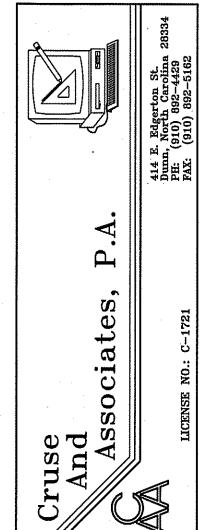
OWNER TO VERIFY ALL COLORS AND FINISHES BEFORE ORDERING MATERIALS

DOOR SCHEDULE DOOR DOOR SIZE REMARKS NO. WIDE HIGH THICK. 3'-0" 7'-0" 1 3/4" NEW EXTERIOR STOREFRONT DOOR W/PANIC HARDWARE\* (02) 1'-6" 7'-0" 1 3/4" TWO-WAY DOOR W/VIEW LITE <u>(03)</u> 1'-6" 7'-0" 1 3/4" TWO-WAY DOOR W/VIEW LITE  $\bigcirc 4$ 1 3/4" NEW INTERIOR WOOD DOOR/H.M. FRAME/VIEW LITE (05) 3'-0" 7'-0" 1 3/4" NEW INTERIOR WOOD DOOR/H.M. FRAME <u>(06)</u> 3'-0" 7'-0" 1 3/4" | NEW INTERIOR WOOD DOOR/H.M. FRAME <u>08</u>) 4'-0" 7'-0" 1 3/4" NEW EXTERIOR METAL DOOR/H.M. FRAME/PANIC HARDWARE\* 3'-0" 7'-0" 1 3/4" NEW EXTERIOR METAL DOOR/H.M. FRAME/PANIC HARDWARE\* 1'-6" 7'-0" | 1 3/4" | TWO-WAY DOOR W/VIEW LITE

VERIFY TYPES AND SIZES WITH OWNER BEFORE ORDERING. PROVIDE ALL HARDWARE AS REQUIRED. ALL HARDWARE TO BE A.D.A. COMPLIANT. VERIFY HARDWARE FINISHES & STYLES WITH OWNER BEFORE ORDERING. \*WITH CLOSER

1'-6" 7'-0" 1 3/4" TWO-WAY DOOR W/VIEW LITE

REVISIONS 1. 12/18/2024



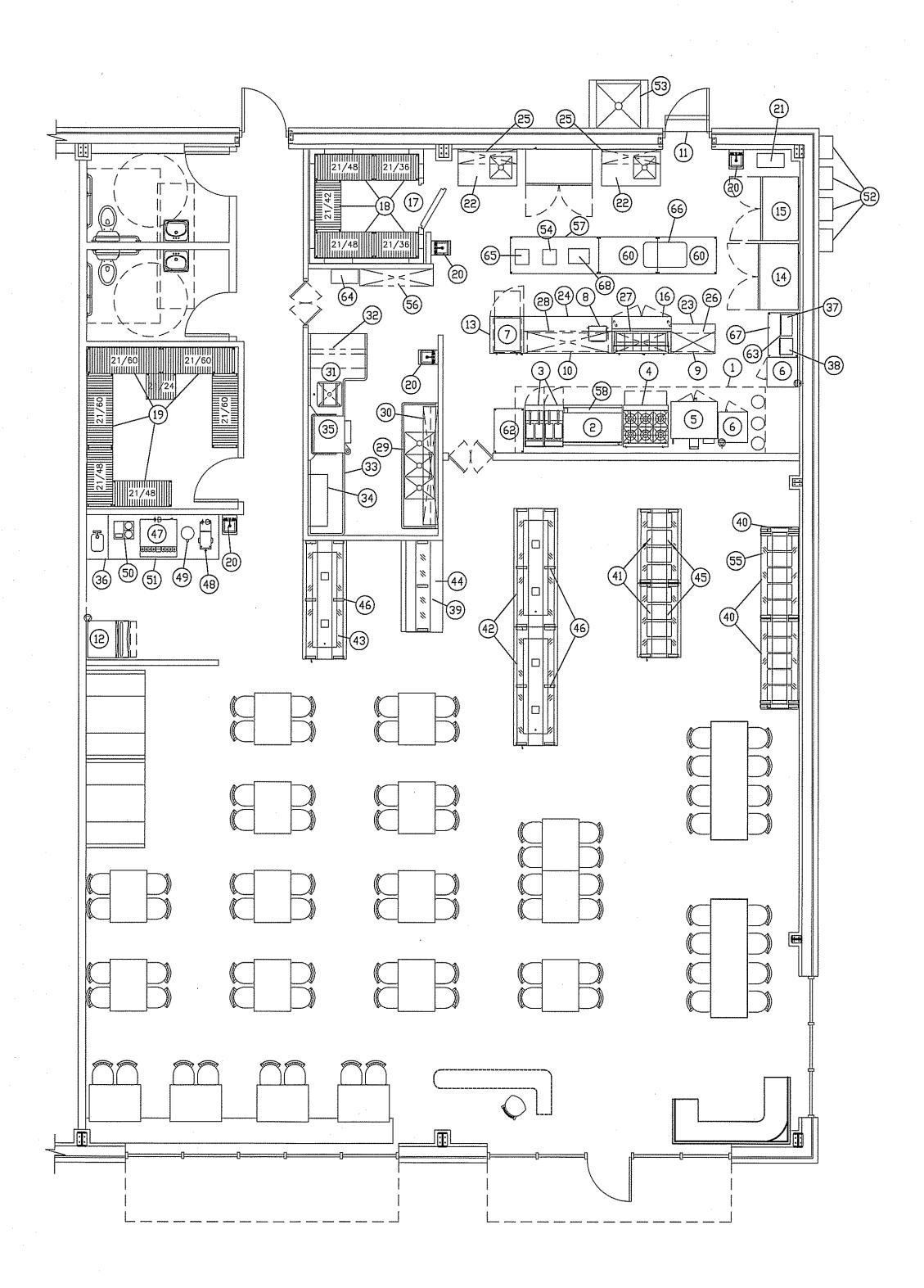
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> DATE 08-09-24 DRAWN BY BAM JOB NO. 24-16

SHEET NO.

REVISION #1: REVISED FLOOR PLAN & EQUIPMENT LAYOU

KEY PLAN



## REVISION 1:

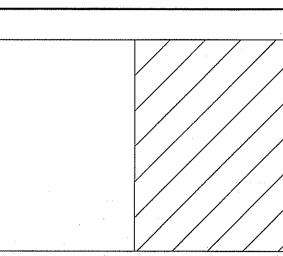
1. REPLACE TANK TYPE WATER HEATER WITH TANKLESS WATER HEATERS.
2. ADDED ANOTHER #6 FOR ADDITIONAL HOT HOLDING FOR BULK STORAGE.
3. ADDED #57 FOR ADDITIONAL PREP/BAKING AREA.
4. ADDED #58 FOR ADDITIONAL REFRIGERATION.
5. ADDED #56 FOR ADDITIONAL AIR—DRYING AND UTENSIL STORAGE.

6. EXPANDED #19 FOR ADDITIONAL DRY GOOD STORAGE.

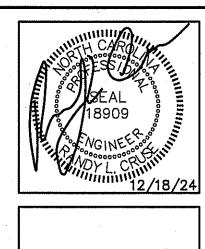
EQUIPMENT PLAN
SCALE: 3/16" = 1'-0"

TIEM	QUAN	DESCRIPTION	REMARKS
1	1	16'-0"x 54" EXHAUST HOOD SYSTEM	Fire Suppres
2	1	48" Counter-Top GRIDDLE	
3	2	FRYER	
4	1	6-Burner RANGE w/Oven	
5	1	CONVECTION OVEN	
6 7	<u>2</u> 1	UPRIGHT STEAMER	
8	1	2-Drawer FOOD WARMER FRESH SHOT BY ADCRAFT	
9	1	30" Dual HEAT LAMP	<u> </u>
10	1	66' Dual HEAT LAMP	
11	1	36" FLY FAN w/Micro-Switch	
12	1	ICE MACHINE w/Storage Bin	
13	1	Under-Counter FREEZER	
14	1	2-Door FREEZER	
15	1	2-Door FREEZER	
16	11	48' SANDWICH UNIT (12-Pan)	
17	1	7'-9"x 7'-9" WALK-IN COOLER	
18 19	5 ო	Walk-In Cooler SHELVING UNIT	
50	2	Dry Storage SHELVING UNIT S/S HAND SINK w/Side Splashes	
21	1	SUGAR BIN	
55	1	30"x 48" S/S PREP TABLE W/SINK	18"× 18" Bowl
23	1	24"× 36" S/S WORK TABLE	-5 / 10 50 10
24	1	30"x 72" S/S WORK TABLE	
25	1	12'x 48' S/S WALL SHELF	
26	1	18"x 36" S/S Double OVERSHELF	
27	1	18"x 48" S/S Double OVERSHELF	
28	1	18"x 72" S/S Double OVERSHELF	
29	1	3-Compartment SINK w/2-24' DB's	18"x 24" Bowl
30	1	12'x 96" S/S WALL SHELF w/Pot Rack	
31 32	1	66"x 48" S/S Solled DISH TABLE w/Pre-R 48" Double-Sided RACK SHELF	inse
33	1	66" S/S Clean DISH TABLE	
34	1	42' S/S Slanted RACK SHELF	
35	1	Ventless DOOR-TYPE DISH MACHINE-note	1 BY: Other
36	1	36"x 9'-0" S/S BEVERAGE STATION W/Han	
37	1	CHILI CHEESE (2) POT STEAMER	
38	1	TOASTER	
39	1	74" Solid-Top UNIT	
40	2	HOT FOOD BUFFET w/5-Hot Wells	
41	<u>2</u>	4-Well HOT FOOD UNIT 96' COLD FOOD UNIT	
42 43	<u></u> 1	96" COLD FOOD UNIT	SALAD BAR
44	1	74" Half BUFFET SHIELD	SHEHD DHK
45	2	60" BUFFET SHEILD	
46	3	96' BUFFET SHEID	
47	1	BEVERAGE/ICE DISPENSER	BYı□thers
48	1	TEA BREWER	BYı□thers
49	1	TEA DISPENSER	BYı□thers
50	11	COFFEE BREWER	BYı⊡thers
51	1	BAG-N-BOX (Under Item #36)	BYı□thers
52		199,000 BTUS GAS WATER HEATERS	BYı□thers
53	11	CAN WASH WITH RAIN COVER	BY:Others
54 55	1	MIXER	BYı□thers
56	<u>2</u> 1	74' BUFFET SHIELD AIR DRYING & UTENSIL STORAGE RACK	,
57	1	30" X 72" PREP TABLE	BY:Others
58	1	48' UNDERCOUNTER CHEF BASE REFRIG.	BY:Others
59	1	2 DOOR FRIDGE	DI G VICEI D
60	2	30" X 48" PREP TABLE	·
61	1	24" X 48" PREP TABLE	
62	1	24" X 36" BREADING TABLE	
63	1	36' S/S Slanted RACK SHELF	
64	1	RICE BIN	
	1	FOOD PROCESSOR	
65			
66	1	EXISTING HANGING POT RACK	
	1 1	EXISTING HANGING POT RACK 24" X 36" WORK TABLE PANINI PRESS	***************************************

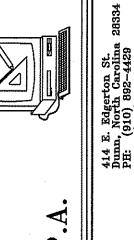
REVISION #2: REVISED FLOOR PLAN & EQUIPMENT LAYOUT



KEY PLAN



REVISIONS 1. 09-20-24 2. 12/18/2024

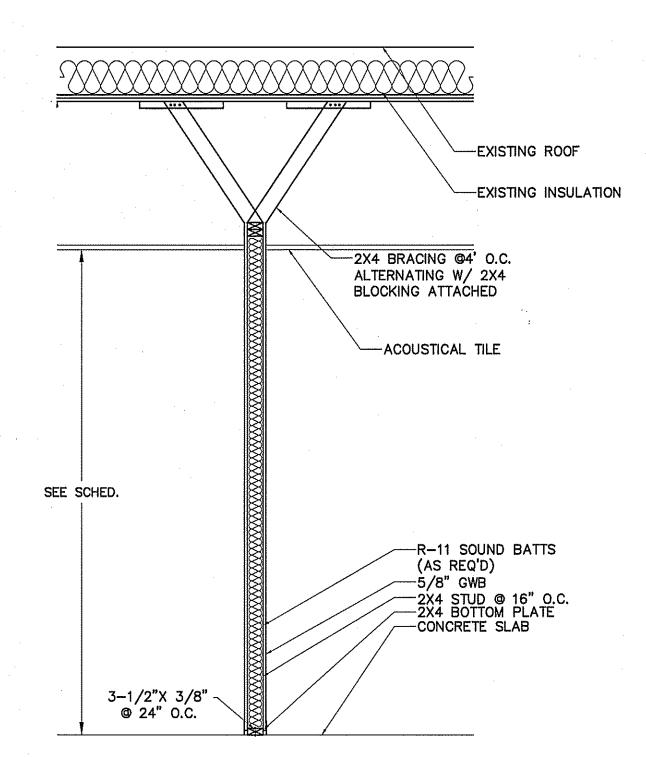


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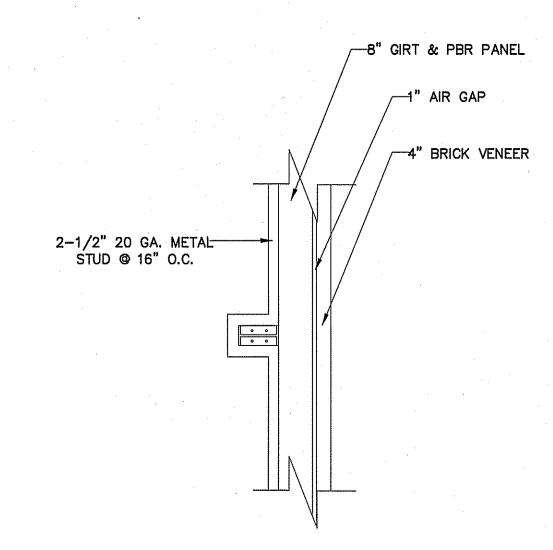
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DATE 08-09-24 DRAWN BY BAM JOB NO. 24-16

SHEET NO. F-2 OF



WOOD INTERIOR WALL SECTION
SCALE: NONE

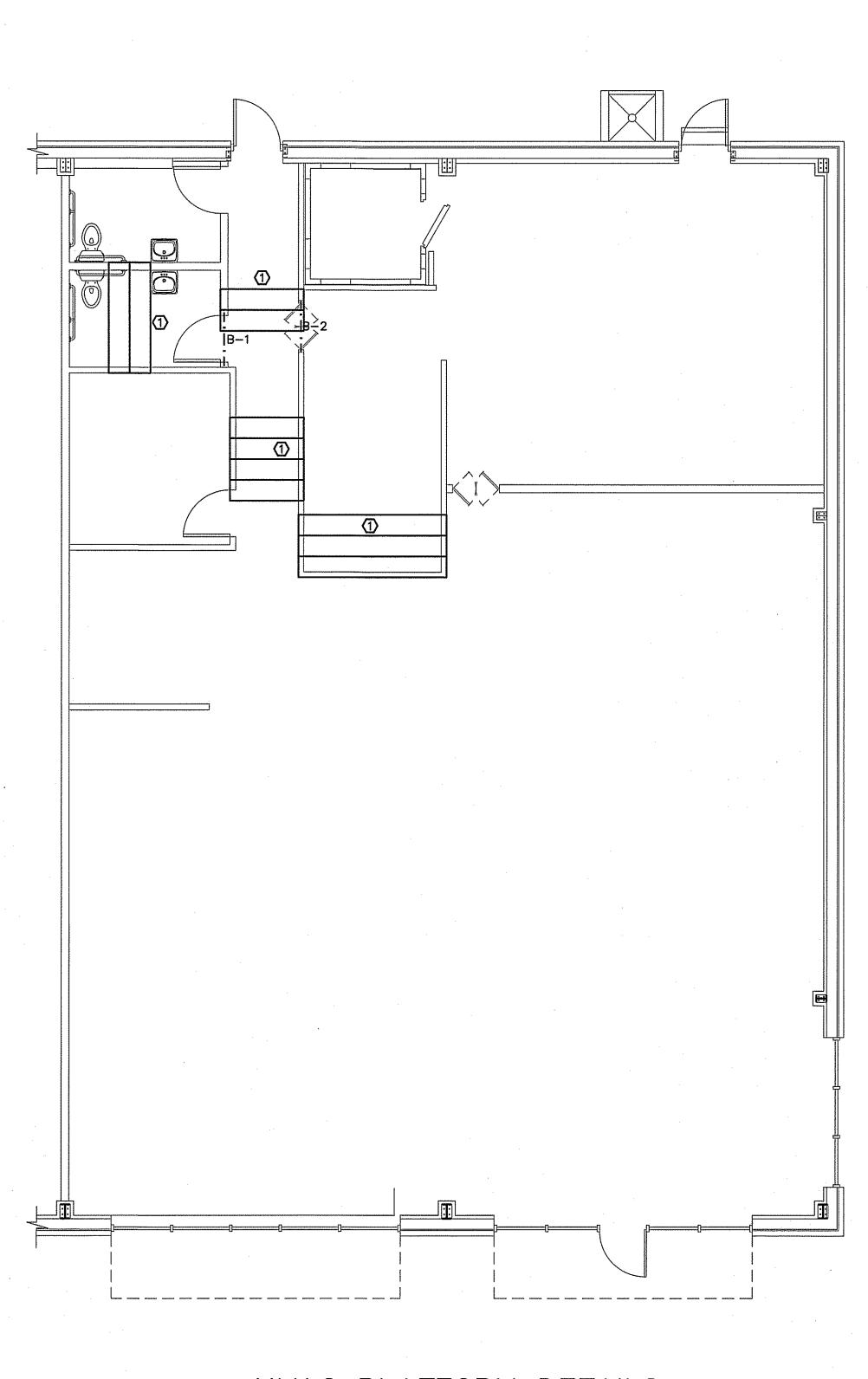


PROPOSED WALL DETAIL SCALE: NOT TO SCALE

## **KEY NOTES:**

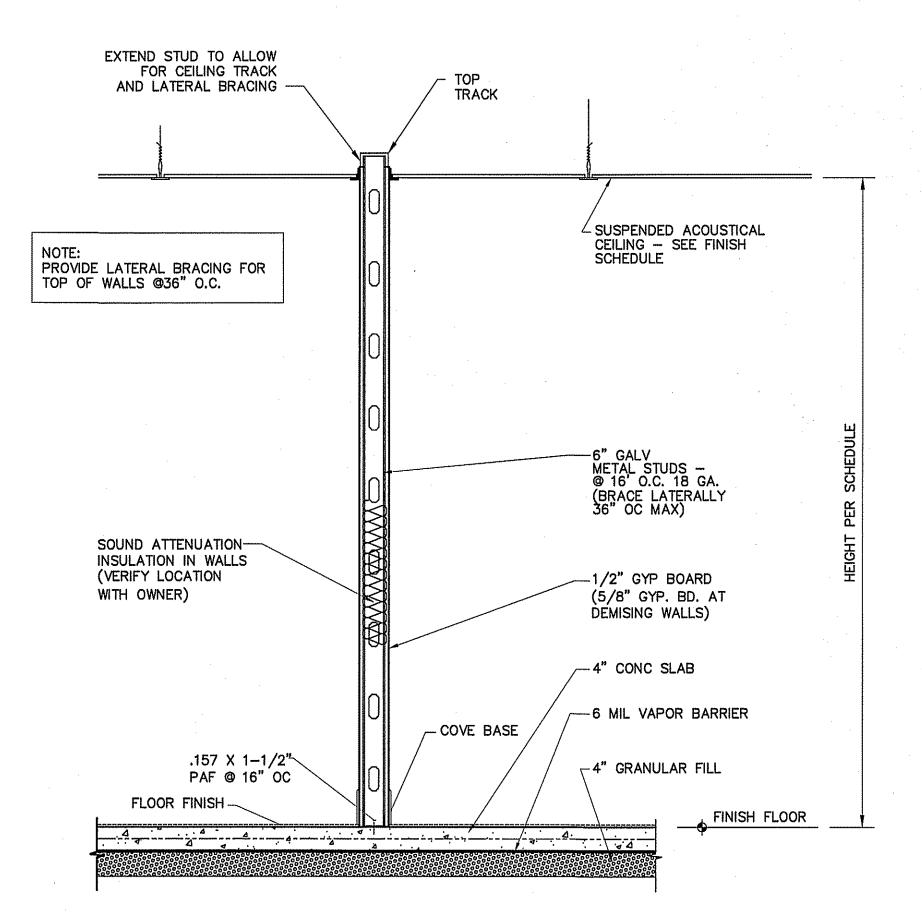
2X8 CEILING JOISTS @ 16' O.C. PROVIDE 3/4" PLYWOOD DECK FOR MECHANICAL EQUIPMENT. SEE SHEET F-1 FOR WALL HEIGHTS. INSTALL 2X2 ACOUSTICAL CEILING BELOW PLATFORM.

B-1 (2) 2X8; 1 KING STUD, 1 JACK STUD B-2 (2) 2X8; 1 KING STUD, 1 JACK STUD



HVAC PLATFORM DETAILS

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



SECTION SIMILAR FOR WALLS PERPENDICULAR TO "Z" PURLINS

TYPICAL METAL STUD INTERIOR WALL SECTION SCALE: NONE

REVISIONS
NO.
1. 12/18/2024

Cruse
And
Associates, P.A.

Associates, P.A.

Associates, P.A.

And
Associates, P.A.

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DATE 08-09-24

DRAWN BY BAM

JOB NO. 24-16

SHEET NO. F-3 OF 3

REVISION #1:
REVISED FLOOR PLAN & EQUIPMENT LAYOUT

KEY PLAN

PLUME	BING	LEGE	END	
DESCRIPTION	Sì	MBOL		
COLD WATER			,	CW
HOT WATER				нw
COLD WATER (FILTERED)			L	_
RECIRCULATED WATER -				HW
VENT PIPING				— - V
WASTE PIPING	NEW		EXISTING	? w
CLEAN OUT IN GRADE	0	C.O.I.G.		
FLOOR CLEAN OUT	0	F.C.O.		
NON FREEZE HOSE BIBB		NFHB		
FLOOR DRAIN	0	F.D.		
CHECK VALVE	<b>→</b> ◇			
BALL VALVE	M			
GATE VALVE	$\bowtie$			
SHUT-OFF VALVE	×			
DOUBLE CHECK VALVE	- <del> </del>	•		
FIXTURE DESIGNATION	P			
MOUNTING HEIGHT	МН			
POINT OF CONNECTION NEW TO EXISTING	0			
FLOOR SINK	4			
SHOCK ABSORBER W/BALL VALVE SHUT-OFF S	—ф- <i>‱</i>	SIZE PER RECOMMEN	MANUF. IDATIONS	
CHANGE IN PIPE SIZE	<b>→</b>			

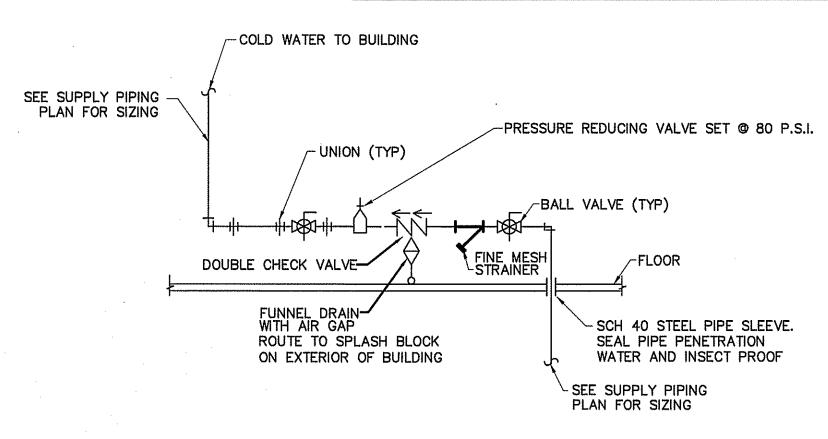
PLU	JME	BING	CAI	CUL	ATIC	SNC		
ITEM	# OF	FIXTURE	UNITS	(EACH)	FIXTURE	FIXTURE UNITS		
	" -	COLD	НОТ	TOTAL	COLD	НОТ	TOTAL	(WASTE)
FLUSH TANK-H.C. WATER CLOSET	2	5.0		5.0	10		10	4/8
LAVATORY	6	1.5	1.5	2	9.0	9.0	12.0	1/6
JANITOR'S SINK	1	2.25	2.25	3	2.25	2.25	3.0	1/1
PREP SINK	2	3	3	4.0	6	6	8.0	3/6
3 COMPARTMENT SINK	1	. 3	3	4.0	3	3	4.0	3/9
ICE MACHINE	1	.25	_	.25	.25		.25	.5/1
N.F.H.B.	2	3.0	-	3.0	6		6.0	.5/1.0
DISHWASHER	1		1.4	1.4		1.4	1.4	2/2
Т	OTAL	18.0	11.15	22.65	39.5	24.65	44.65	31.0

WATER SUPPLY PIPE SIZE: 1-1/4" MINIMUM

PLUMBI	NG CO	NNECT	ON SCH	EDULE
FIXTURE	C.W.	H.W.	WASTE	VENT
FLUSH TANK WATER CLOSET	1/2"	linde*	3"	2"
LAVATORY	1/2"	1/2"	2"	1 1/2"
ELEC. WATER COOLER	1/2"		2"	1 1/2"
SERVICE SINK	1/2"	1/2"	2"	1 1/2"
HOSE BIBBS	1/2"	1/2"		
FLOOR DRAIN			3"	2"
KITCHEN SINKS	1/2"	1/2"	3"	2"
DISHWASHER	_	1/2"	2"	1 1/2"

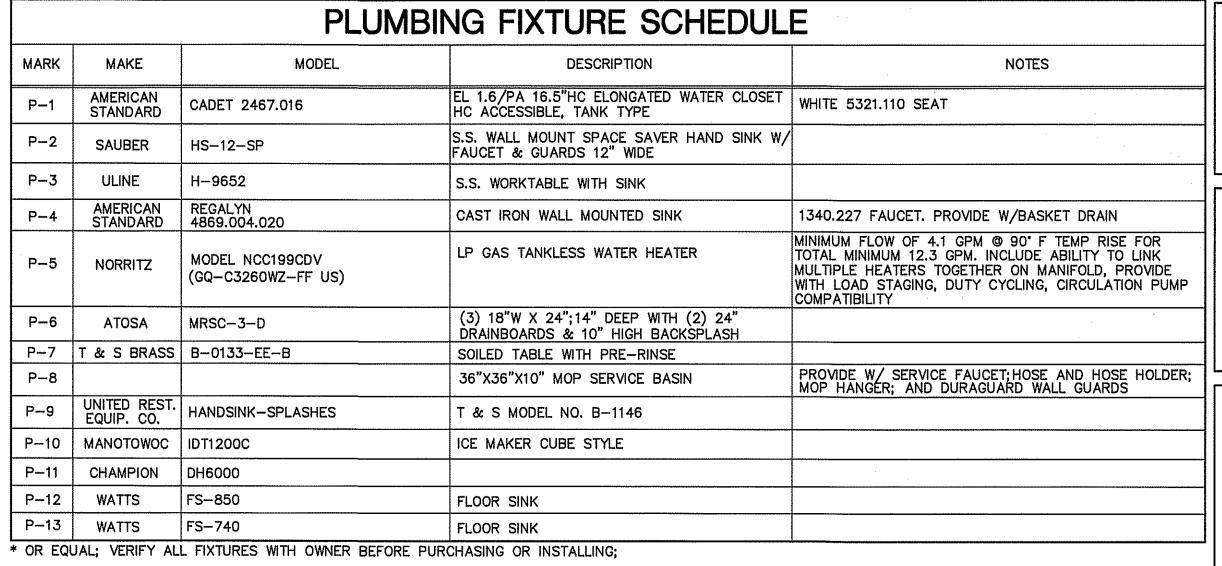
## NOTES:

INSTALL THERMOSTATICALLY CONTROLLED MIXING VALVES AS NEEDED TO ENSURE HOT WATER TEMPERATURE TO ALL HAND WASHING LOCATIONS DOES NOT EXCEED 110F.

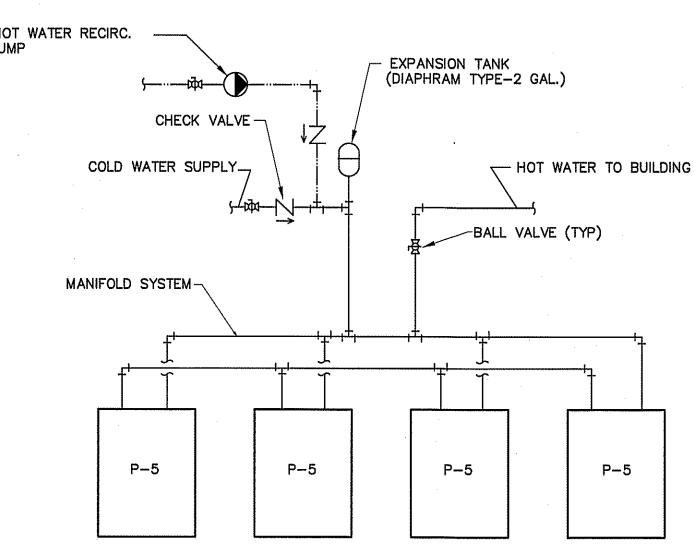


# DETAIL-WATER SERVICE ENTRANCE AS REQUIRED

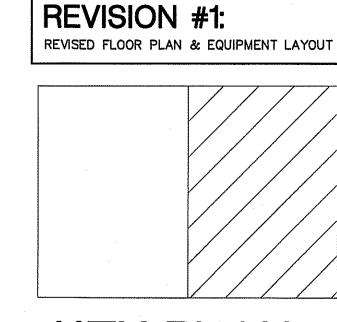
NOT TO SCALE



- [2] ELECTRICAL PANEL CLEARANCE AREA. NO PLUMBING SUPPLY PIPING IN THIS AREA.
- 3 DESIGNATED HVAC SERVICE ACCESS SPACE. COORDINATE PIPE LOCATIONS WITH HVAC PLAN.



DETAIL-WATER HEATER CONNECTION



KEY PLAN

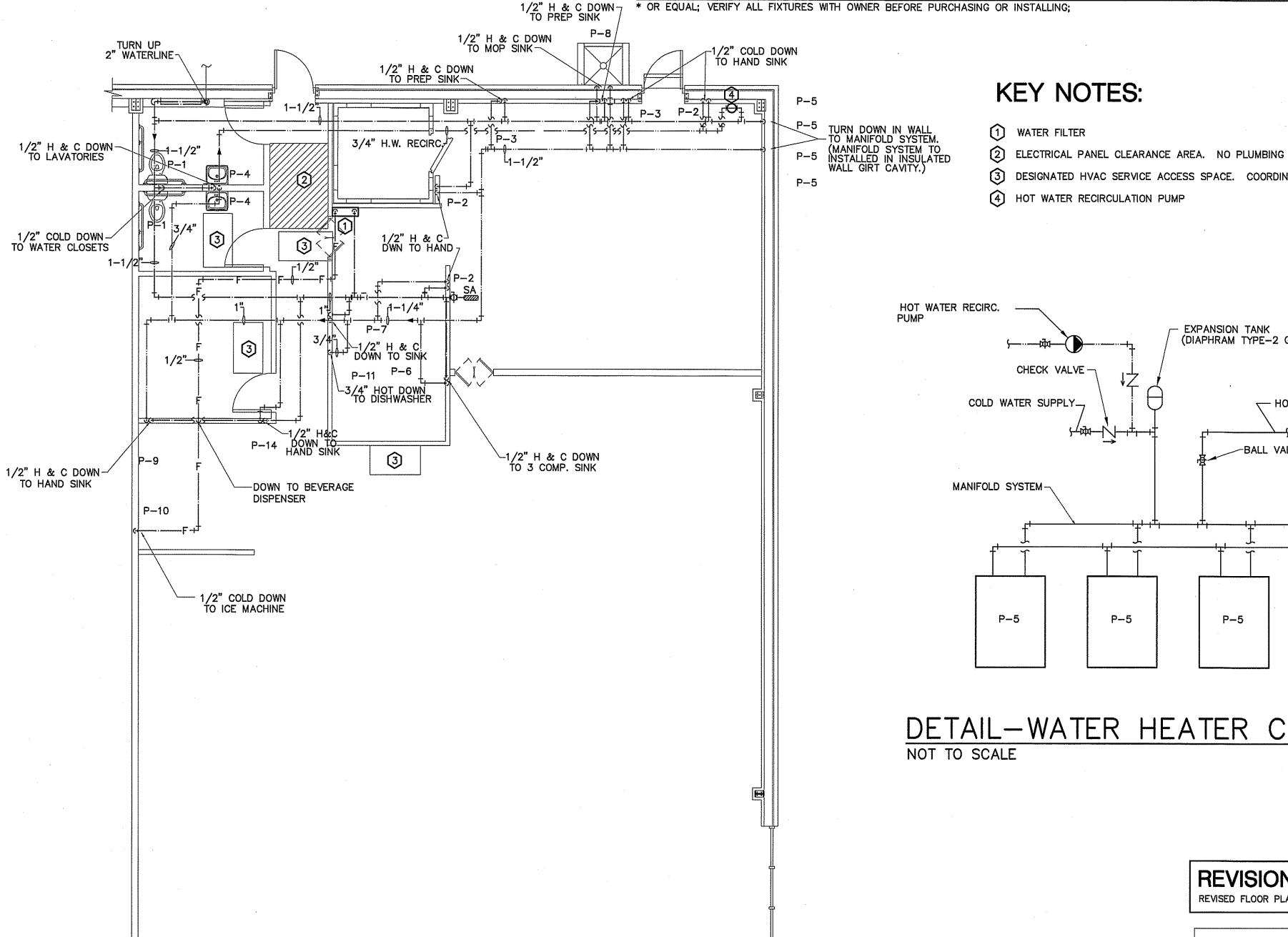
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SHEET NO.

PLANS MAMA

**REVISIONS** 

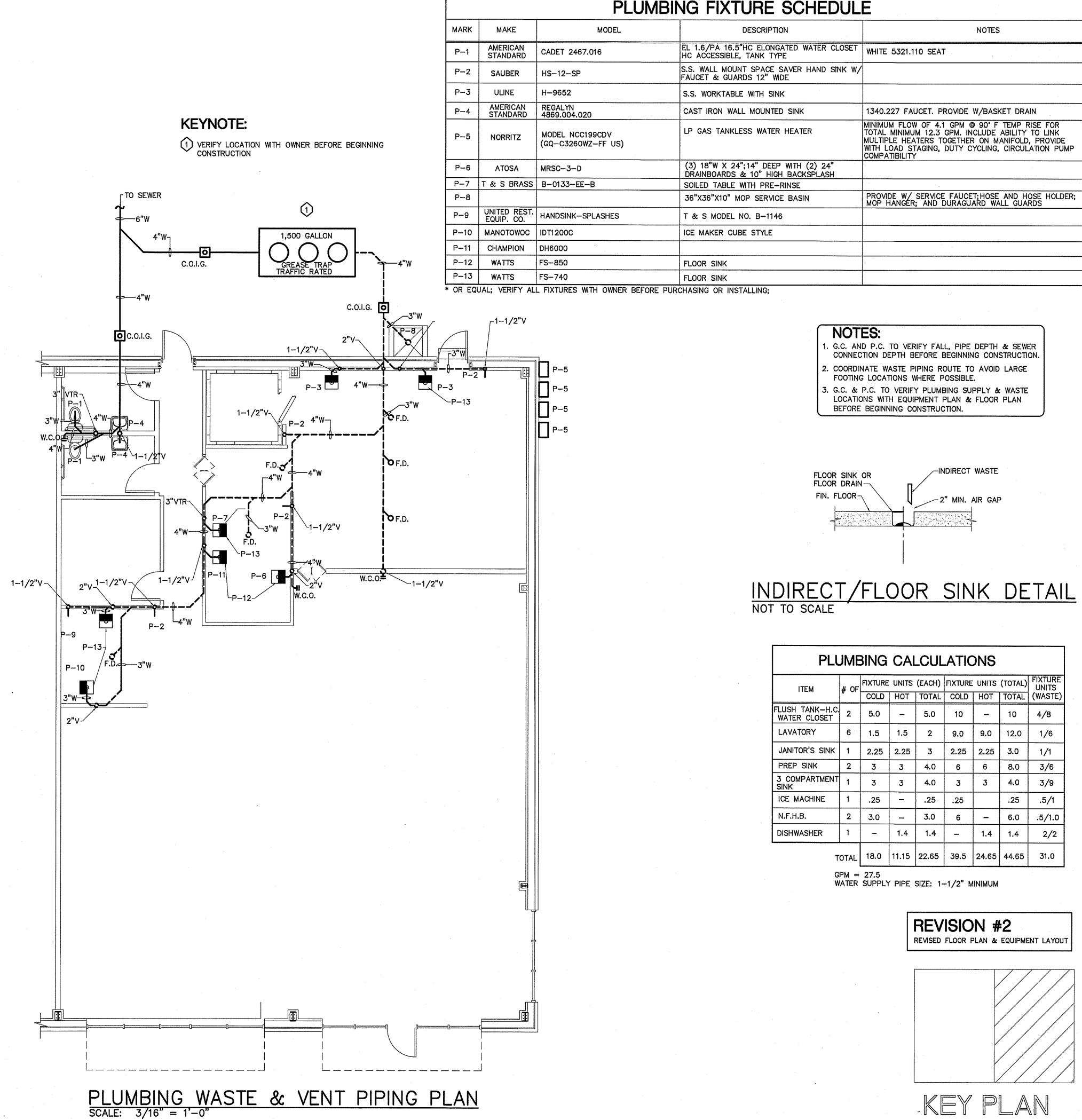
12/18/2024

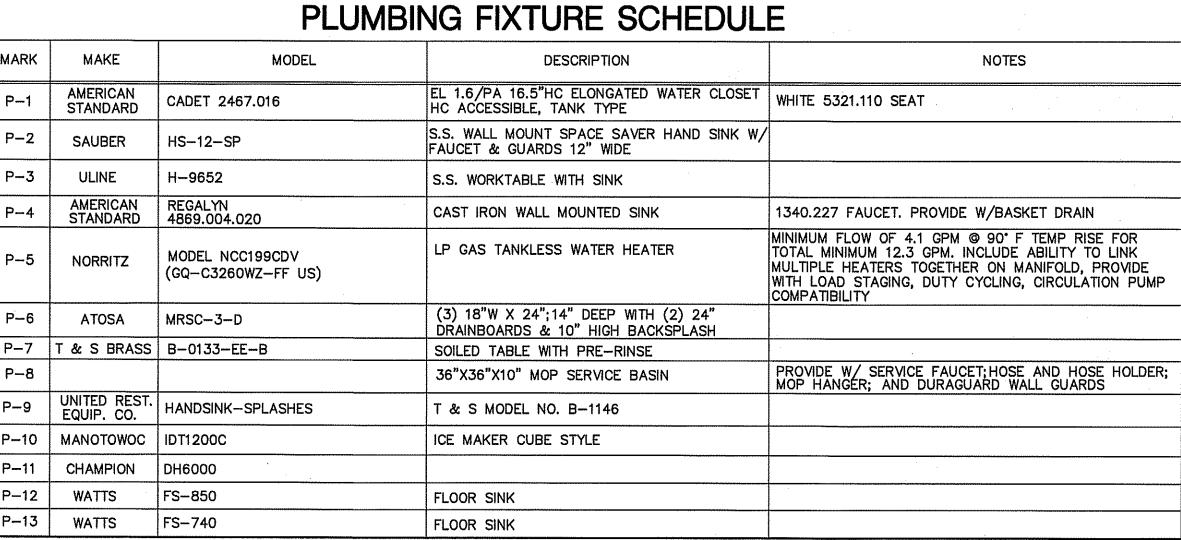


PLUMBING SUPPLY PIPING PLAN
SCALE: 3/16" = 1'-0"

	S'	LEGE YMBOL		
		TWIDOL		— си
COLD WATER ——	* 1 **********************************			— CY
HOT WATER ——	•••	> 1 ***********************************	11-	<u> </u>
COLD WATER (FILTERED)				
RECIRCULATED WATER -		#H-vitelahushah		—— H\
VENT PIPING		- <del></del>	·	v
WASTE PIPING -	NEW	······	GREASE	w
CLEAN OUT IN GRADE	0	C.O.I.G.		
FLOOR CLEAN OUT	0	F.C.O.		
NON FREEZE HOSE BIBB	<del></del>	NFHB		
FLOOR DRAIN	. 0	F.D.		
CHECK VALVE	<b>-</b> ₹	•		
BALL VALVE	₩			
GATE VALVE	$\bowtie$			
SHUT-OFF VALVE	H			
DOUBLE CHECK VALVE	- NT-			
FIXTURE DESIGNATION	P			
MOUNTING HEIGHT	MH			
POINT OF CONNECTION NEW TO EXISTING	0			
FLOOR SINK	4			
SHOCK ABSORBER W/BALL VALVE SHUT-OFF >	—ф- <i>@</i>	SIZE PER I RECOMMEN		

FIXTURE	C.W.	H.W.	WASTE	VENT
FLUSH TANK WATER CLOSET	1/2"	-	3"	2"
LAVATORY	1/2"	1/2"	2"	1 1/2"
ELEC. WATER COOLER	1/2"	-	2"	1 1/2"
SERVICE SINK	1/2"	1/2"	2"	1 1/2"
HOSE BIBBS	1/2"	1/2"		
FLOOR DRAIN			3"	2"
KITCHEN SINKS	1/2"	1/2"	3"	2"
DISHWASHER		1/2"	2"	1 1/2"





CONNECTION DEPTH BEFORE BEGINNING CONSTRUCTION.

-INDIRECT WASTE

FIXTURE UNITS (EACH) FIXTURE UNITS (TOTAL) FIXTURE UNITS
COLD HOT TOTAL COLD HOT TOTAL (WASTE)

2 9.0 9.0 12.0

3 2.25 2.25 3.0

.25 .25

3.0 6

REVISION #2

REVISED FLOOR PLAN & EQUIPMENT LAYOUT

KEY PLAN

TOTAL 18.0 11.15 22.65 39.5 24.65 44.65

4.0

6.0 .5/1.0

BEFORE BEGINNING CONSTRUCTION.

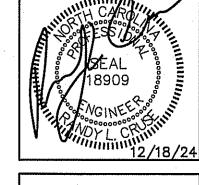
1.5

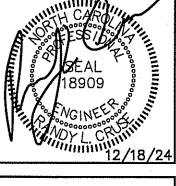
.25

3.0

2 3

1.5





**REVISIONS** 

1. 06/27/2024 2. 12/18/2024

sociates,

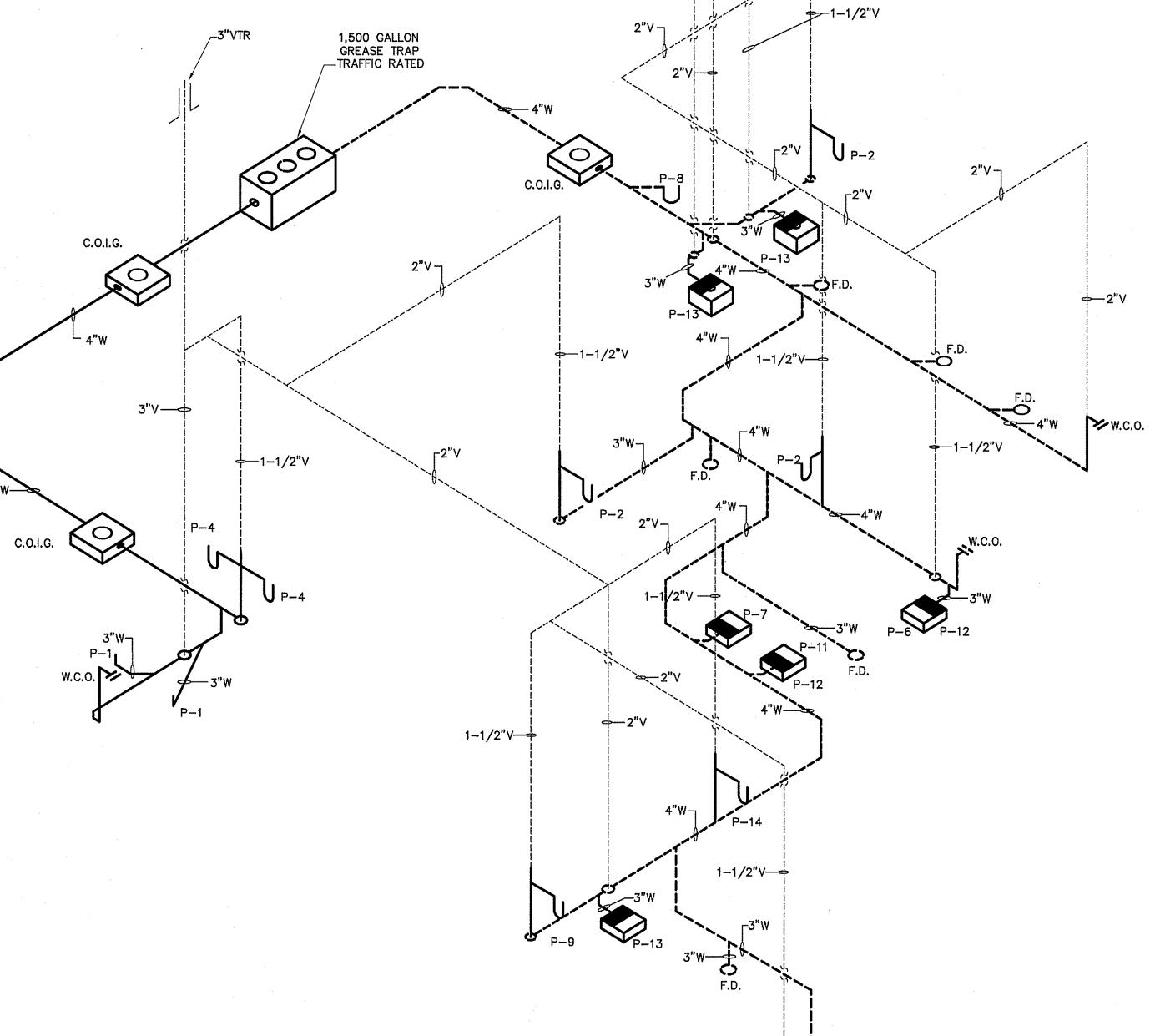
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DATE 08-09-24 DRAWN BY BAM JOB NO. 24-16

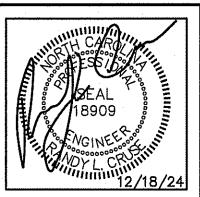
SHEET NO.
P-2 OF 3

PLUMBING LEGEND		PLUM	IBING FIXTURE SCHEDUL	E
DESCRIPTION SYMBOL	MARK MAKE	MODEL	DESCRIPTION	NOTES
OLD WATER CW	P-1 AMERICAN STANDARD	CADET 2467.016	EL 1.6/PA 16.5"HC ELONGATED WATER CLOSET HC ACCESSIBLE, TANK TYPE	WHITE 5321.110 SEAT
OT WATER	P-2 SAUBER	HS-12-SP	S.S. WALL MOUNT SPACE SAVER HAND SINK W/ FAUCET & GUARDS 12" WIDE	
	P-3 ULINE	H-9652	S.S. WORKTABLE WITH SINK	
COLD WATER (FILTERED)	P-4 AMERICAN STANDARD	REGALYN 4869.004.020	CAST IRON WALL MOUNTED SINK	1340.227 FAUCET. PROVIDE W/BASKET DRAIN
ECIRCULATED WATER HWI	P-5 NORRITZ	MODEL NCC199CDV (GQ-C3260WZ-FF US)	LP GAS TANKLESS WATER HEATER	MINIMUM FLOW OF 4.1 GPM @ 90° F TEMP RISE FOR TOTAL MINIMUM 12.3 GPM. INCLUDE ABILITY TO LINK MULTIPLE HEATERS TOGETHER ON MANIFOLD, PROVIDE WITH LOAD STAGING, DUTY CYCLING, CIRCULATION PUNCOMPATIBILITY
ASTE PIPING NEW GREASE W	P-6 ATOSA	MRSC-3-D	(3) 18"W X 24";14" DEEP WITH (2) 24" DRAINBOARDS & 10" HIGH BACKSPLASH	COMPATIBILITY
LEAN OUT IN GRADE C.O.I.G.	P-7 T & S BRAS	SS B-0133-EE-B	SOILED TABLE WITH PRE—RINSE	
LOOR CLEAN OUT P.C.O.	P-8	77.	36"X36"X10" MOP SERVICE BASIN	PROVIDE W/ SERVICE FAUCET; HOSE AND HOSE HOLDI MOP HANGER; AND DURAGUARD WALL GUARDS
	P-9 UNITED RES		T & S MODEL NO. B-1146	
	P-10 MANOTOWO		ICE MAKER CUBE STYLE	
LOOR DRAIN O F.D.	P-12 WATTS	FS-850	FLOOR SINK	
HECK VALVE — ——————————————————————————————————	P-13 WATTS	FS-740	FLOOR SINK	
ALL VALVE	* OR EQUAL; VERIFY	ALL FIXTURES WITH OWNER BEFOR	RE PURCHASING OR INSTALLING;	
ATE VALVE				
HUT-OFF VALVE ►				
OUBLE CHECK VALVE	1			
IXTURE DESIGNATION P				DO GALLON
OUNTING HEIGHT MH			GRE TRA	EASE TRAP FFIC RATED 2
OINT OF CONNECTION EW TO EXISTING				
LOOR SINK				4"W
OCK ABSORBER SA SIZE PER MANUF. BALL VALVE SHUT-OFF ケーダ RECOMMENDATIONS	······		(30)	
HANGE IN PIPE SIZE	_		600	C.O.I.G.
TANGE IN FIFE SIZE				
TO SEWER —			C.O.I.G.	
	<u>_</u>			2"٧-
· · · · · · · · · · · · · · · · · · ·	5"W			3"W
				P
			□ 4"W	—1−1/2"V
			3"V—	
				3"W-7
			-1−1/2"V	√2"V
		4"W		
			P-4	P-2 2"V7
		C.0	.l.G.	A
				× (
			U P−4	1-1/:
			1 1 34	· · · · · · · · · · · · · · · · · · ·
			3"W¬	
			3"W-	in and a second
			3"W¬	2"\

- 2. CONTRACTORS SHALL COORDINATE PIPING WITH ALL OTHER TRADES.
- 3. CONTRACTOR SHALL REFER TO ARCHITECTURAL/STRUCTURAL DRAWINGS FOR DIMENSIONS.
- 4. CONTRACTOR SHALL FURNISH AND INSTALL DIELECTRIC UNIONS AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS.
- CONTRACTOR SHALL FURNISH AND INSTALL ESCUTCHEONS AND COVER PLATES AT ALL FINISHED WALLS, CEILINGS AND FLOOR OPENINGS.
- 6. PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH STATE AND LOCAL CODE. (REFER TO SPECIFICATIONS.)
- 7. ALL PIPING SHALL BE TESTED FOR LEAKS. IF ANY LEAKS ARE DETECTED THE PIPING SHALL BE REPAIRED, RESOLDERED OR REPLACED AND RETESTED.
- 8. ALL SOLDER SHALL BE OF THE LEAD FREE TYPE.
- 9. WATER HEATER SHALL BE SUPPLIED WITH FACTORY INSTALLED T&P VALVES AND SHALL HAVE
- UNIONS AND ISOLATION VALVES.
- 10. DOMESTIC WATER SUPPLY PIPING SHALL BE COPPER OR CPVC. 11. WASTE AND VENT PIPING SHALL BE SCH. 40 PVC OR HEAVY DUTY CAST IRON UNDER TRAFFIC AREAS.
- 12. INSTALL THERMOSTATICALLY CONTROLLED MIXING VALVES AS NEEDED TO ENSURE HOT WATER TEMPERATURE TO ALL HAND WASHING LOCATIONS DOES NOT EXCEED 110°F.
- 13. ALL FLOOR DRAINS & HUB DRAINS SHALL BE PROVIDED WITH TRAP PRIMER EXCEPT FLOOR DRAINS IN TOILETS WHERE HOSE BIBS ARE PROVIDED.
- 14. HOT WATER PIPING SHALL BE INSULATED WITH 1" THICK FIBROUS GLASS INSULATION. COLD WATER PIPING SHALL BE INSULATED WITH 1/2" FIBROUS GLASS INSULATION. VAPOR BARRIER SHALL BE APPLIED TO EACH.



PLUMBING WASTE & VENT RISER DIAGRAM SCALE: NOT TO SCALE



REVISIONS 1. 12/18/2024

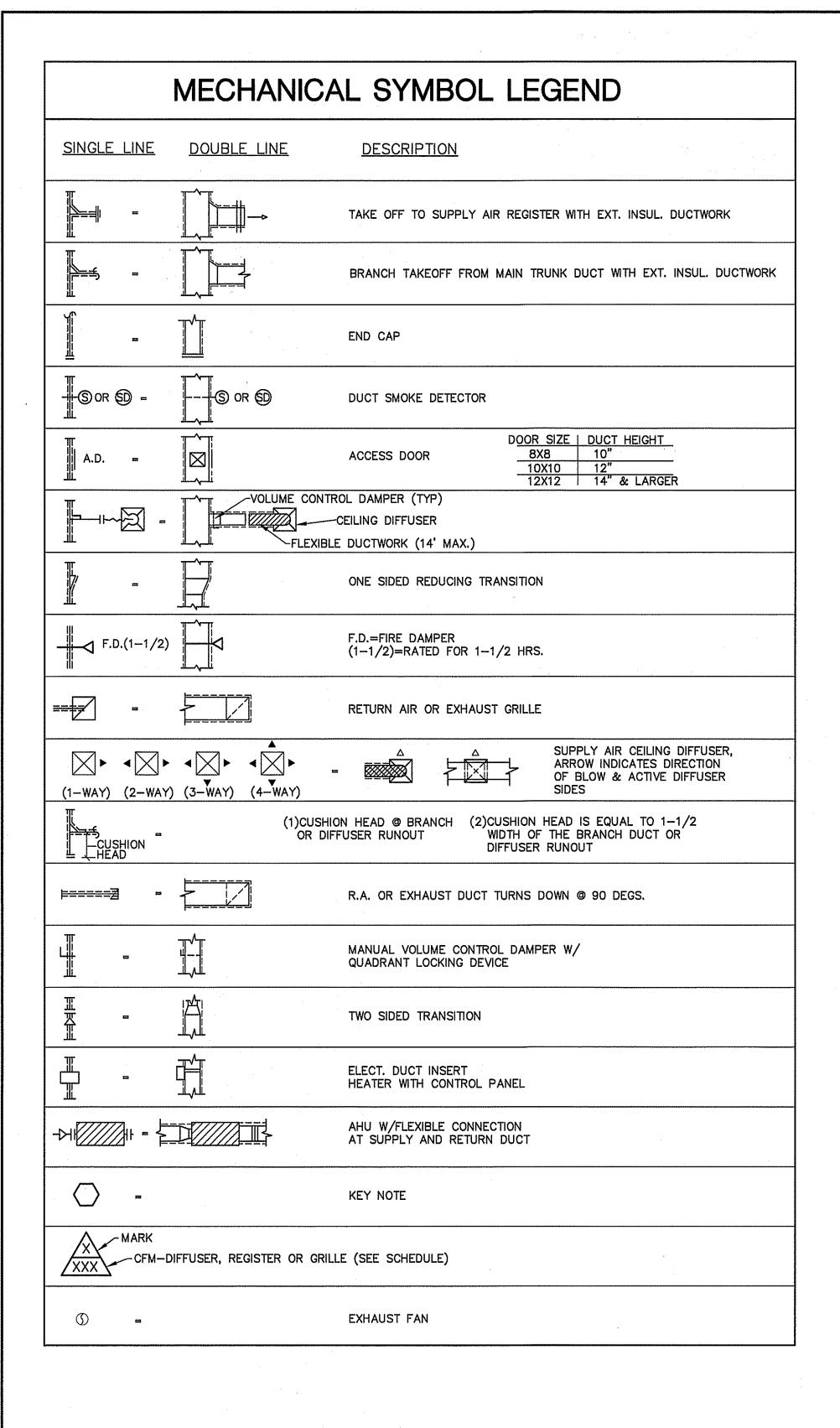
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DATE 08-09-24 DRAWN BY BAM JOB NO. 24-16

SHEET NO.

REVISION #1:

REVISED FLOOR PLAN & EQUIPMENT LAYOUT

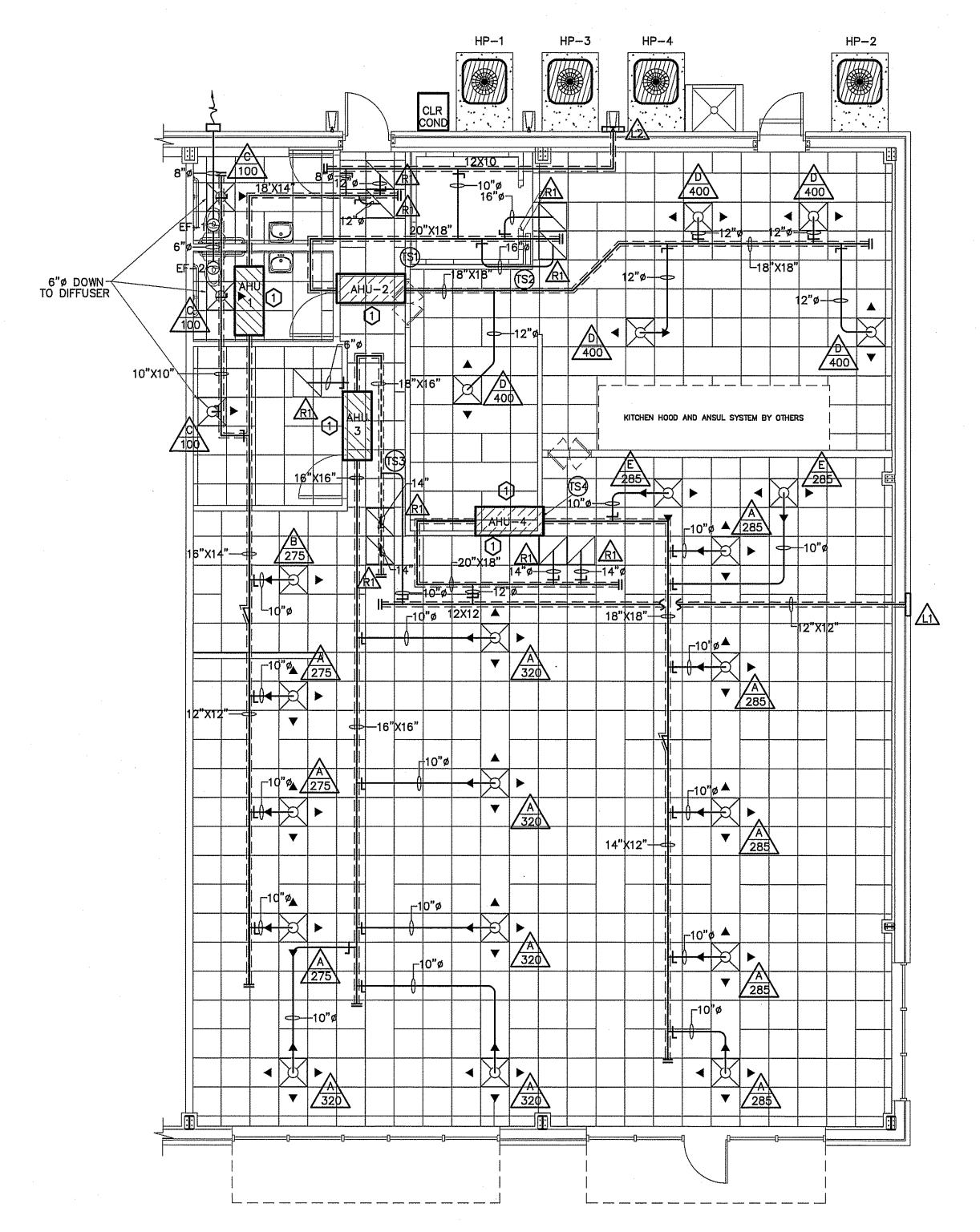


## **KEY NOTES:**

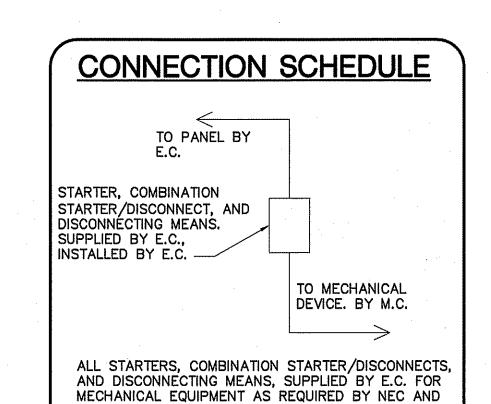
SEE SHEET P-1 TO MAINTAIN CLEARANCE FOR ABOVE CEILING AHU ACCESS

## NOTE:

VERIFY LOCATION OF THERMOSTATS WITH OWNER BEFORE BEGINNING CONSTRUCTION. USE RETURN DUCT SENSOR IF OWNER DESIRES REMOTE THERMOSTAT LOCATIONS.



MECHNICAL HVAC PLAN
SCALE: 3/16" = 1'-0"

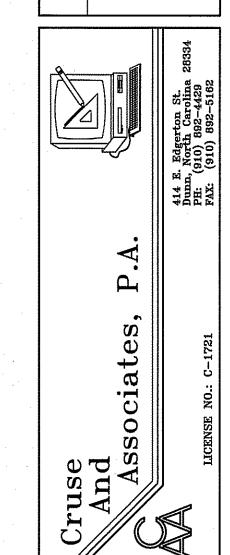


MECHANICAL EQUIPMENT MANUFACTURER'S

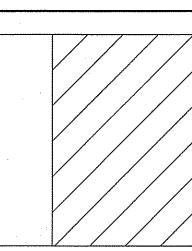
REQUIREMENTS.

SOUTHERN KITCHEN

REVISIONS
NO.
1. 12/18/2024



REVISION #1:
REVISED FLOOR PLAN & EQUIPMENT LAYOUT



KEY PLAN

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DATE 08-09-24
DRAWN BY BAM
JOB NO. 24-16

SHEET NO.
M-1 OF 3

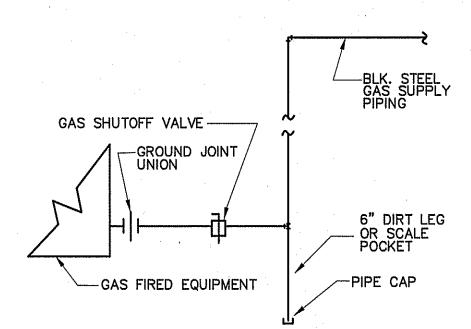
### **GAS PIPING NOTES**

- 1. METALLIC GAS PIPING SHALL BE STEEL PIPE COMPLYING WITH ANSI B36.10, ASTM A 53 OR ASTM A 106. COPPER OR BRASS PIPE IN STEEL PIPE SIZES ASSEMBLED WITH THREADED FITTINGS OF THE SAME MATERIALS MAY BE USED WHEN THE GAS DOES NOT CONTAIN MORE THAN AN AVERAGE OF 0.3 GRAINS OF HYDROGEN SULFIDE PER 100 STANDARD CUBIC FEET OF GAS ( A TRACE AS DETERMINED UNDER ASTM D 2385 OR ASTM D 2420). COPPER TUBING OR CSST WILL ALSO BE ALLOWED.
- 2. PIPE JOINTS MAY BE THREADED, FLANGED OR WELDED AND NONFERROUS PIPE MAY ALSO BE BRAZED WITH MATERIALS HAVING A MELTING POINT IN EXCESS OF 1,000 DEGREES F (538 DEGREES C). BRAZING ALLOYS SHALL NOT CONTAIN PHOSPHOROUS.
- 3. TUBING JOINTS SHALL EITHER BE MADE WITH FLARED GAS TUBING FITTINGS, OR BRAZED WITH A MATERIAL HAVING A MELTING POINT IN EXCESS OF 1,000 DEGREES F (538 DEGREES C). BRAZING ALLOYS SHALL NOT CONTAIN PHOSPHOROUS. METALLIC BALL SLEEVE COMPRESSION TYPE TUBING FITTINGS SHALL NOT BE USED FOR THIS PURPOSE INSIDE OR UNDER BUILDINGS BUT MAY BE USED
- 4. FITTINGS (EXCEPT STOPCOCKS OR VALVES) SHALL BE MALLEABLE IRON OR STEEL WHEN USED WITH STEEL OR WROUGHT IRON PIPE AND SHALL BE COPPER OR BRASS WHEN USED WITH COPPER OR BRASS PIPE OR TUBING.
- 5. GAS PIPING AND FITTINGS SHALL BE CLEAR AND FREE FROM CUTTING BURRS AND DEFECTS IN STRUCTURE OR THREADING AND SHALL BE THOROUGHLY BRUSHED AND SCALE BLOWN.
- 6. ALL GAS PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NCSBC FUEL GAS CODE & NFPA 54.
- 7. JOINT COMPOUNDS (PIPE DOPE) SHALL BE APPLIED SPARINGLY AND ONLY TO THE MALE THREADS OF METALLIC JOINTS. SUCH COMPOUNDS SHALL BE RESISTANT TO THE ACTION OF LIQUEFIED PETROLEUM GASES.
- 8. ALL EXPOSED STEEL PIPE/FITTINGS SHALL BE PRIMED AND PAINTED FOR PROTECTION. GRADE ALL GAS PIPING AT 1/4" PER 10' TOWARD LOW POINT.
- 9. SHUTOFF VALVES (STOP COCKS) SHALL COMPLY WITH ANSI Z21.15, ANSI Z21.21, OR ANSI B16.33 OR ANSI/UL 842. ALL VALVES SHALL BE MANUAL. HOUSE VALVE SHALL BE EQUIPPED WITH LOCKING LUGS FOR SECURITY.

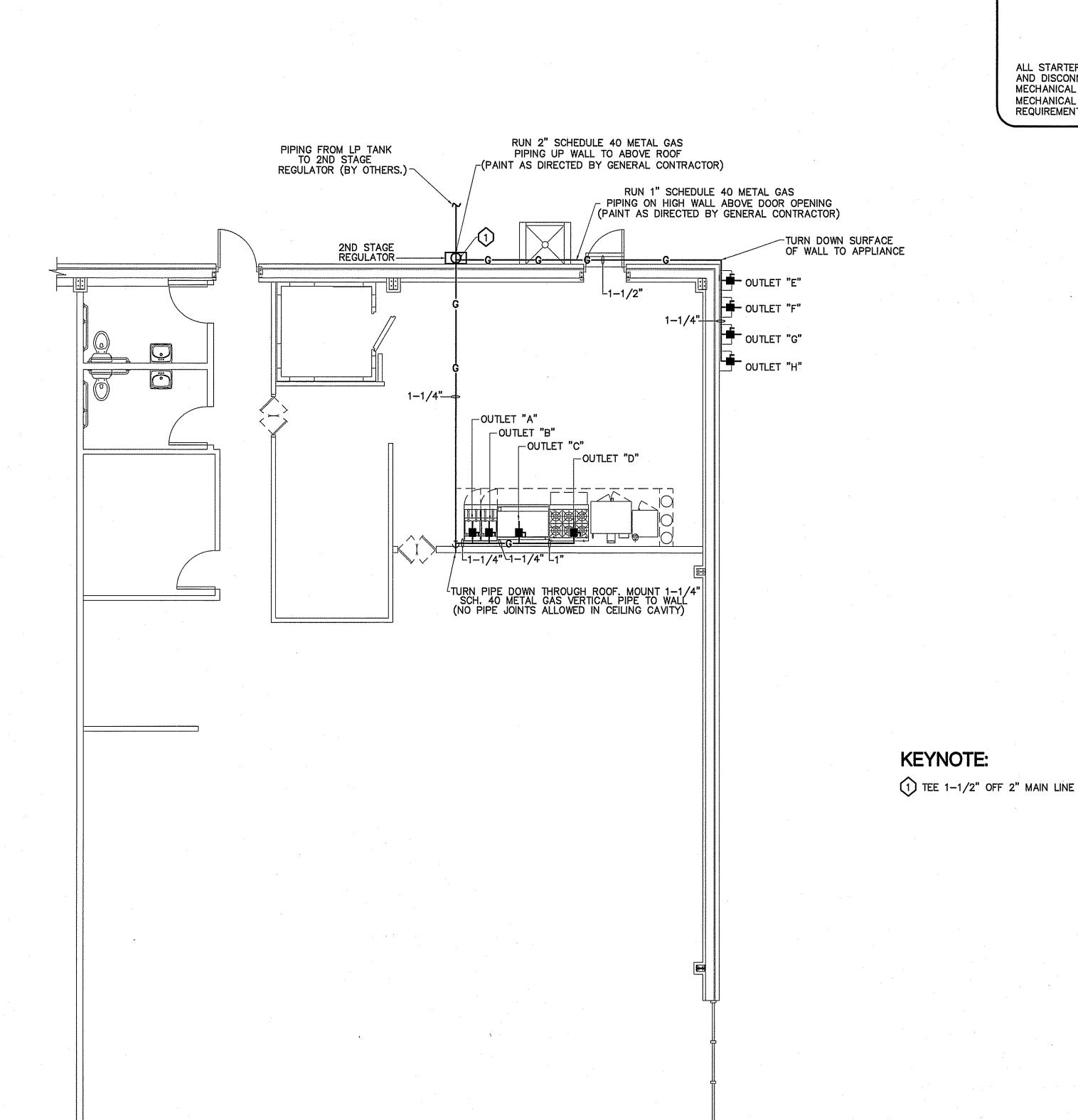
### **GAS PIPING SIZING**

OUTLET "A" 90 MBH 90 MBH OUTLET "B" OUTLET "C" 120 MBH 219 MBH OUTLET "D" 199 MBH OUTLET "E" OUTLET "F" 199 MBH OUTLET "G" 199 MBH 199 MBH OUTLET "H" TOTAL 1315 MBH

LENGTH OF PIPE FROM THE POINT OF DELIVERY TO MOST REMOTE OUTLET (OUTLET "G") IS 64 FT. PIPE SIZED USING 0.5" W.C. PRESSURE DROP AT 11" W.C. INLET SETTING - UNDILUTED PROPOANE CAPACITIES IN 1,000 BTU/HR. PIPE SIZED USING TABLE 402.4(28), SCHEDULE 40 METALLIC PIPE, PROPANE GAS.



DETAIL-TYPICAL GAS PIPING CONNECTION TO EQUIPMENT



GAS PIPING PLAN
SCALE: 3/16" = 1'-0"

**CONNECTION SCHEDULE** TO PANEL BY STARTER, COMBINATION STARTER/DISCONNECT, AND DISCONNECTING MEANS. SUPPLIED BY E.C., INSTALLED BY E.C. TO MECHANICAL DEVICE. BY M.C.

> ALL STARTERS, COMBINATION STARTER/DISCONNECTS, AND DISCONNECTING MEANS, SUPPLIED BY E.C. FOR MECHANICAL EQUIPMENT AS REQUIRED BY NEC AND MECHANICAL EQUIPMENT MANUFACTURER'S REQUIREMENTS.

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DATE 08-09-24 DRAWN BY BAM JOB NO. 24-16

sheet no. M-2 OF

**REVISION #1:** REVISED FLOOR PLAN & EQUIPMENT LAYOUT

KEY PLAN

							AIR I	HANE	DLER L	JNIT									SPLIT SY	STEM H	EAT PUM	IP UNITS			,
AHU NO.	MANUFACTURER MODEL	VOLTAGE	E.S.P.	OUTSIDE AIF	R CFM	UNIT FLA	REF L	INES	SEER	HTR KW	COOL CAPACITY	ING ( (MBH)	HEAT CAPACIT	TING Y (MBH)	HSPF	MIN. CIRC.	M.O.C.P.	MARK	MANUF. MODEL	VOLTAGE	# COMP./ NO. STAGES	MIN. CIRC.	M.O.C.P.	UNIT FLA.	ACCESSORIES
				OI W			GAS	LIQ.		(208)	TOTAL	SENS.	HIGH	LOW							NO. STAGES			1	
AHU-1	TRANE TEM6A0C48H41	208/1/60	.46	200	1400	34.6	3/4	3/8	17.0	7.2	42.0	30.3	39.0		9.6	52	60	HP-1	TRANE 4TWR6042N1000A	208/1/60	1-28	24	40	19.5	EXCLUDE 8,18
AHU-3	TRANE TEM6A0C48H41	208/1/60	.46	300	1600	34.6	7/8	3/8	16.0	7.2	46.5	31.8	42.5		9.0	52	60	HP-3	TRANE 4TWR6048N1000A	208/1/60	1-2S	28	45	22.2	EXCLUDE 8,18
AHU-2,4	TRANE TEM6A0D60H51	208/1/60	.46	400	2000	34.6	7/8	3/8	15.0	7.2	55.0	42.9	56.9	37.0	9.0	52	60	HP-2,4	TRANE 4TWR6060N1000A	208/1/60	1-25	35	60	28.2	EXCLUDE 8,18

\*\* PROVIDE OUTDOOR THERMOSTAT TO LOCK OUT SUPPLEMENTAL ELECTRIC HEAT AT OUTDOOR TEMPERATURES ABOVE 40°F.

	REGISTER, GRILLE, & DIFFUSER SCHEDULE*								
MARK	DESCRIPTION	MAX. NC	NECK	BORDER TYPE	MATERIAL	FINISH	MANUF.	MODEL NUMBER	ACCESSORIES/NOTES
Α	DIFFUSER-4-WAY	30	9"X9"	LAY-IN	STEEL	WHITE	TITUS	TDC 9X9 3 26 4	SQ-TO-RND
В	DIFFUSER-2-WAY	30	9"X9"	LAY-IN	STEEL	WHITE	TITUS	TDC 9X9 3 26 2	SQ-TO-RND
С	DIFFUSER-1-WAY	30	6"X6"	LAY-IN	STEEL	WHITE	TITUS	TDC 6X6 3 26 1	SQ-TO-RND
D	DIFFUSER-2-WAY	30	12"X12"	LAY-IN	STEEL	WHITE	TITUS	TDC 12X12 3 26 2	SQ-TO-RND
E	DIFFUSER-3-WAY	30	9"X9"	LAY-IN	STEEL	WHITE	TITUS	TDC 9X9 3 26 3	SQ-TO-RND
R1	RETURN GRILLE	30	20"X20"	LAY-IN	STEEL	WHITE	TITUS	23RFL 20X20 24X24 3 26	SQ-TO-RND

\* VERIFY CEILING TYPE BEFORE ORDERING, NARROW TEE REQUIREMENTS, PLASTER FRAMES ETC. TO BE INCLUDED WITH DIFFUSERS AT NO ADDITIONAL COST TO OWNER

	EXHAUST FAN SCHEDULE										
MARK	MAKE MODEL		TYPE	CFM	EXTERNAL S.P.	AMPS	ELECTR	ICAL		NOTES	
WARK	MAKE	MODEL	11FC	CFM	IN (W.G.)	AMES	VOLT	PH	HZ	NOTES	
EF-1,2	GREENHECK	SP-A90	CEILING FAN	70	.125	.34	115	1ø	60	WC-8 WALL CAP	

LEAVE A 1/4" SPACE AT CONDUIT FACE & FILL

TO PROVIDE BACKING FOR SILICONE CAULKING

WITH CLOSED CELL NEOPRENE FOAM INSULATION-

#### LOUVER SCHEDULE MARK DESCRIPTION SERVES CFM DIMENSIONS ( W X H) MODEL HART & COOLEY 1530ZF 24X24 W/ OUTSIDE AIR LOUVER INSECT SCREEN HART & COOLEY OUTSIDE AIR 1530ZF 18X18 W LOUVER INSECT SCREEN

\*COLOR SELECTED BY OWNER OR PAINTED TO MATCH AS DIRECTED BY OWNER.

B-LINE NO. "BVT" VIBRO-

HEAT PUMP

FIN. GRADE-\

NOT TO SCALE

OUTDOOR UNIT-

6X6X #10 REINF. WIRE

**SECTION** 

PLAN VIEW
NOT TO SCALE

DETAIL-TYPICAL HEAT PUMP

OUTDOOR UNIT

CLAMPS WITH ZINC FINISH .-

- CEILING

-EXPANSION JOINT

MATERIAL

ANCHORED TO CONC.

-BEE-LINE EPOXY

SUPPORT SYSTEM.

HEAT PUMP OUTDOOR UNIT

COATED PIPE

ANCHOR TO

CONC. PAD.

-CONCRETE PAD

-B-LINE "B-22" CHANNEL WITH PIPE. GALVANIZED ZINC FINISH

COLORS & STYLES OF DEVICES TO BE SELECTED BY OWNER.

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

THERMAL ZONE 4A - HARNETT COUNTY, NC

WINTER DRY BULB 16 DEG. F.

SUMMER DRY BULB 93 DEG. F.

INTERIOR DESIGN CONDITIONS

WINTER DRY BULB 59 DEG. F

SUMMER DRY BULB 78 DEG. F.

RELATIVE HUMIDITY 55%

BUILDING HEATING LOAD 47 MBH

LIST EQUIPMENT EFFICIENCIES

BUILDING COOLING LOAD 17.5 TONS

MECHANICAL SPACE CONDITIONING SYSTEM

DESCRIPTION OF UNIT - HEAT PUMP HEATING EFFICIENCY - 9.0 HSPF

COOLING EFFICIENCY - 15.0 SEER SIZE CATEGORY OF UNIT  $- \le 65,000$  BTUH

SIZE CATEGORY. IF OVERSIZED, STATE REASON:

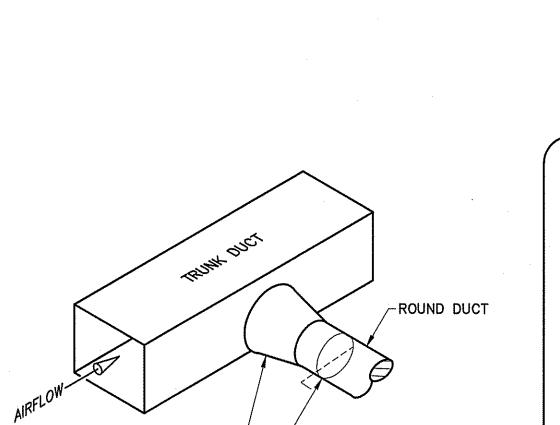
SIZE CATEGORY. IF OVERSIZED, STATE REASON: N/A

14' FLEX MAX. -ROUND GALV. DUCT -INSULATED PANDUIT STRAP-GALVANIZED FOIL BACKED -INSULATION ∠SURFACE

DETAIL-CEILING DIFFUSER CONNECTION NOT TO SCALE

EXPOSED "T" BAR

MOUNTED



MANUAL BALANCING DAMPER

W/ LOCKING QUADRANT DEVICE

CONICAL SPIN-IN

**DIFFUSER** 

FITTING-

**RECTANGULAR** 

BLDG. WALL

FILL AROUND REFRIG. PIPING

WITH SILICONE CAULK

TYPICAL LATERAL TO REGISTER

MOUNTED

OR BRANCH DUCT

NOT TO SCALE

ACCESSORIES

5 TXV

4 ISOLATION RELAY

6 HIGH PRESSURE SWITCH

1 TIME-DELAY RELAY 2 CYCLE PROTECTOR 3 EVAPORATOR FREEZE PROTECTOR

7 LIQUID SOLENOID VALVE 8 LOW-AMBIENT CONTROLLER

9 FILTER DRIER (LIQUID LINE) 10 OUTDOOR T'STAT TO LOCK OUT AUX. HT. (SET @ 40° F ADJ)

11 LOW PRESSURE CONTROL 16 SUPPORT FEET 12 CRANKCASE HEATER COOLING CAPACITY @ 80 DEG. F DB/67 DEG WB AIR ENTERING INDOOR UNIT & 95 DEG. F DB AIR ENTERING OUTDOOR UNIT

HEATING CAPACITY: HIGH TEMP = 70 DEG F DB INDOOR EAT & 47 DEG F DB/43 DEG F WB AIR ENTERING OUTDOOR UNIT LOW TEMP = 70 DEG F DB INDOOR EAT & 17 DEG F DB/15 DEG F WB ENTERING OUTDOOR UNIT

13 DISCHARGE LINE MUFFLER

14 SUCTION AND LIQUID LINE

SHUT OFF VALVES

15 THERMOSTAT (SEE NOTE)

T-STAT: THE NUMBER OF STAGES OF HEATING/COOLING SHALL MATCH THE NUMBER OF STAGES OF HEAT AVAILABLE IN THE HPIU OR THE NUMBER OF STAGES OF COOLING AVAILABLE IN THE HPOU. PROVIDE WITH T-STAT; 7 DAY PROGRAMMABLE, DIGITAL.

─O.A. INTAKE DUCT MANUAL DAMPER W/ QUAD. LOCK -COND. DRAIN -SYSTEM COIL "P"-TRAP OUTSIDE EMERG. DRAIN PAN -35% PLEATED 2"
THICK FILTER FLEXIBLE CONNECTION ~R.A. DUCT S.A. DUCT -VIBRATION ISOLATOR -4"X 4" TREATED WOOD BELOW A.H.U. DRAIN PAN FLOAT SHUTS DOWN UNIT FAN IN EVENT THAT COND. - CHANNEL SUPPORT BY G.C. BEGINS TO FILL EMERG. DRAIN PAN-OR CEILING JOIST -UNIT EMERG. SPILL -3/4" EMERG. DRAIN INTO EMERG. DRAIN PAN CONDENSATE DRAIN AT CEILING BLDG. CEILING └-20 GA. GALV. DRAIN PAN W/ 1-1/2" HEMMED EDGES -3/4" THICK PLYWOOD BELOW EMERG. DRAIN PAN

> TYPICAL DETAIL AT AIR HANDLING UNITS NOT TO SCALE

> > **REVISION #1:** REVISED FLOOR PLAN & EQUIPMENT LAYOUT

## MECHANICAL NOTES (GENERAL)

- 1. DUCTWORK LAYOUTS ARE SCHEMATIC. ALL RISES, DROPS, OFFSETS, AND TRANSITIONS REQUIRED BUT ARE NOT SHOWN SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 2. DUCTWORK SHALL BE GALVANIZED STEEL AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH SMACNA STANDARDS FOR LOW VELOCITY. DUCTWORK. DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. FLEXIBLE RUNOUTS SHALL NOT EXCEED 15' AND SHALL NOT BE USED TO FORM ELBOWS. CONNECTIONS FROM RECTANGULAR TO ROUND DUCT SHALL BE MADE WITH MANUFACTURED 45 DEG. LATERAL TAPS.
- 3. ALL DUCTWORK SHALL BE SEALED AIR TIGHT WITH SEALING COMPOUND.
- 4. ALL ELBOWS IN DUCTWORK SHALL BE RADIUS ELBOWS, UNLESS NOTED OTHERWISE. WHERE SQUARE ELBOWS ARE SHOWN, INSTALL TURNING VANES. DUCT SIZES SHOWN ARE NET INTERIOR DIMENSIONS.
- 5. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER TRADES PRIOR TO INSTALLATION OF ANY OF HIS PIPING, DUCTWORK, OR EQUIPMENT.
- 6. THE MECHANICAL CONTRACTOR SHALL MAKE A COMPLETE REVIEW OF THE MECHANICAL PLANS, SCHEDULES, AND DETAILS PRIOR TO INSTALLATION OF THE MECHANICAL SYSTEMS AND REVIEW ANY CONFLICTS THAT ARE NOTED WITH THE ENGINEER.
- 7. IT WILL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO ENSURE THAT ITEMS TO BE FURNISHED UNDER HIS CONTRACT WILL FIT THE SPACE AVAILABLE. HE SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS AND SHALL FURNISH AND INSTALL SUCH SIZES AND SHAPES OF EQUIPMENT THAT ARE THE TRUE AND INTENT MEANING OF THE PLANS AND SPECIFICATIONS. HE SHALL PROVIDE THE ENGINEER SCALED DRAWINGS OF ALL MECHANICAL DRAWINGS.
- 8. ALL EQUIPMENT SHALL BE LOCATED AND INSTALLED TO PROVIDE MAXIMUM SPACE FOR MAINTENANCE AND SERVICE.
- 9. PROVIDE FACTORY OR FIELD INSTALLED DRAIN PANS UNDER ALL COOLING COIL UNITS. INSTALL DRAIN PAN FLOAT TO SHUT DOWN UNIT FAN IN EVENT THAT CONDENSATE BEGINS TO FILL EMERGENCY DRAIN PAN. RUN ALL CONDENSATE DRAIN LINES TO APPROPRIATE DRAIN.

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DATE 08-09-24 DRAWN BY BAM JOB NO. 24-16

SHEET NO. M-3 OF

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ELEC	CTRICAL LEGEND
MARK	DESCRIPTION
ф wp	'GFI' DUPLEX WITH WEATHERPROOF COVER
∯ GFI	GROUND FAULT INTERUPTING RECEPTACLE
<b>∰</b> IG	208V OR 240 V RECEPTACLE
4	TELEPHONE/DATA OUTLET
J	JUNCTION BOX
	FUSED DISCONNECT SWITCH
FB	"STEEL CITY" FLOOR BOX WITH CAT 5E CABLE FOR DATA
~~	SWITCHED BRANCH CIRCUIT
۲ - ک	UNSWITCHED BRANCH CIRCUIT
~	120/208 VOLT CIRCUIT
. Ф	CEILING OR ATTIC MOUNTED DUPLEX RECEPTACLE
\$-0/0	LIGHT FIXTURE (WALL/CEIL.)
	FLUORESCENT FIXTURE
■ N/L	UNSWITCHED FIXTURE
⊗	'EXIT' LIGHT FIXTURE, TYPE 'EX'
IÇ.	BATTERY OPERATED EMERG. LT. (2-HEAD, WALL MTD.)
\$	SINGLE-POLE SWITCH
\$3(4)	3-WAY SWITCH (4-WAY SWITCH)
ф	DUPLEX RECEPTACLE
ф	CEILING MOUNTED RECEPTACLE
¥	EMERGENCY LIGHT REMOTE WEATHERHEAD(S)
\$ <sub>o</sub>	WALL MOUNTED OCCUPANCY SENSOR WITH SWITCH
<b>©</b> :	CEILING MOUNTED OCCUPANCY SENSOE

CEILING MOUNTED OCCUPANCY SENSOR

BUFFET/CORRIDOR LIGHTS-

 $\$_{3D}1 \$_{3D}2$ 

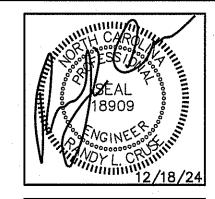
SWITCH SWITCH NO. 1 NO. 2

DETAIL-GANG SWITCH NO. 1
NOT TO SCALE

DINING AREA LIGHTS

		L	IGHT FIXTURE SCHEDULE	·			
MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	BALLASTS	WATTAGE	REMARKS
Α	2X4 LED FLAT PANEL LAY-IN	<b>-</b>	SELECTED BY OWNER	LED		32.0	4000/5000/6000 LUMEN OPTION
В	2X4 LED FLAT PANEL LAY-IN	_	SELECTED BY OWNER	LED		42.0	4000/5000/6000 LUMEN OPTION
EM	EMERGENCY LIGHT WITH BATTERY BACKUP	SURE-LITES	CC8MRT2142SM				
EX	LED TYPE EXIT LIGHT WITH BATTERY BACKUP	SURE-LITES	LPX 70 RWH 120/277				
EM2	EMERGENCY LIGHT REMOTE WEATHERHEAD(S)	SURE-LITES	12T-12-WWH OR 12T-12-DWWH OR EQUAL				

LIGHTING DATA FOR ENERGY CODE							
AREA USE	AREA FT <sup>2</sup>	WATTS PER FT <sup>2</sup> ALLOWED	TOTAL WATTS ALLOWED	TOTAL WATTS USED	TOTAL WATTS LEFT OVER		
RESTAURANT	3500	1.5	5250	1314	3936		
TOTAL	3500		5250	1314	3936		



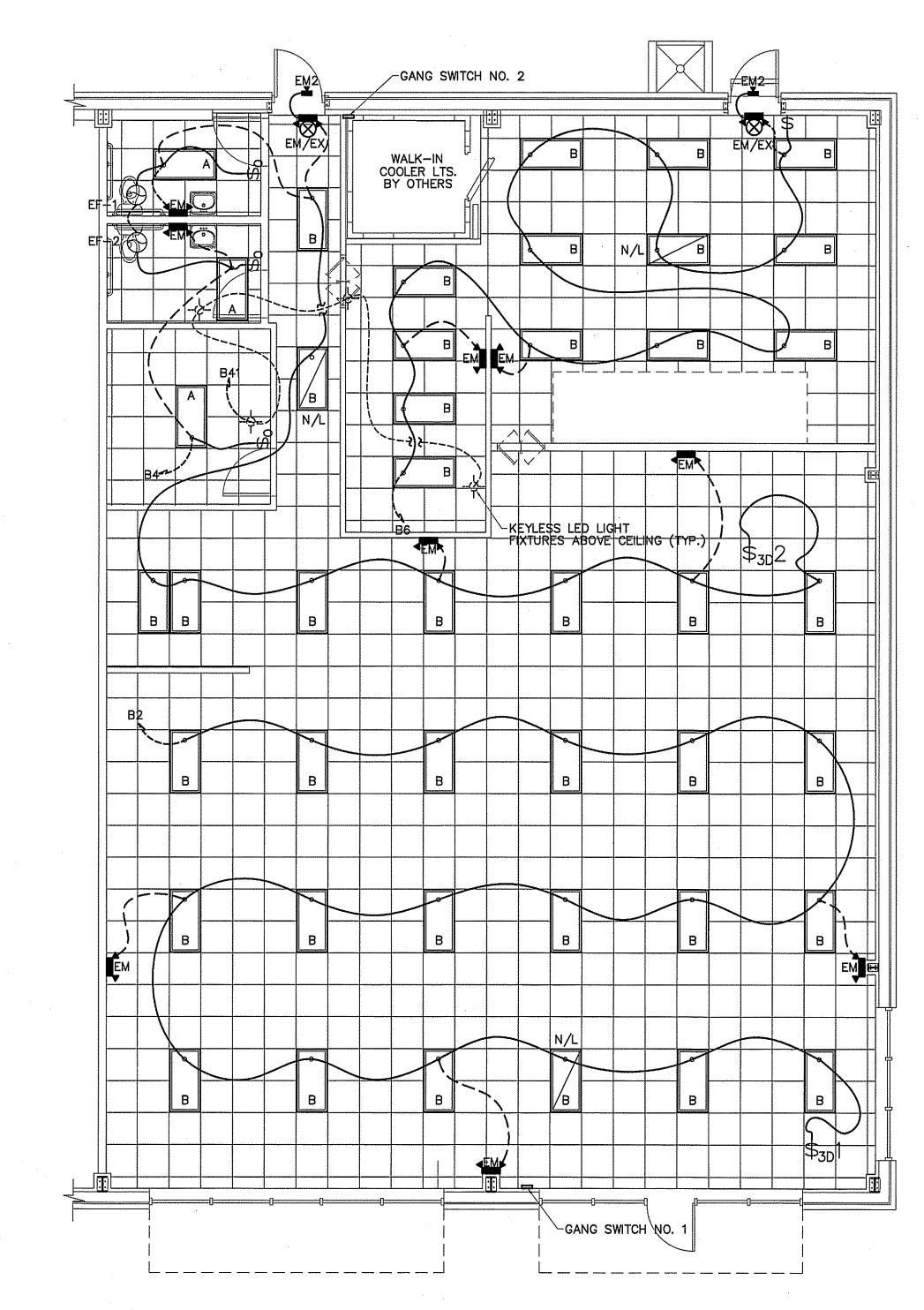
FIXTURES BY SCHEDULE OR EQUAL. FIXTURES SELECTED BY OWNER AND PURCHASED BY CONTRACTOR

\* BEFORE PURCHASING, VERIFY EXTERIOR FIXTURES MEET ZONING ORDINANCE

\*\* INCLUDE HANGERS FOR FIXTURES IN FITNESS AREA TO BE HUNG APRROXIMATELY 12' & BELOW THE DUCT WORK.

### **NOTES:**

- 2. SHOULD FIXTURE WATTAGE VARY FROM SCHEDULE, E.C. SHALL VERIFY



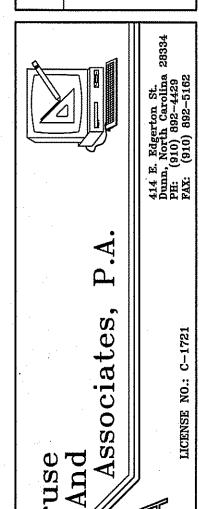
**CONNECTION SCHEDULE** 

TO PANEL BY E.C. STARTER, COMBINATION
STARTER/DISCONNECT, AND
DISCONNECTING MEANS.
SUPPLIED BY E.C.,
INSTALLED BY E.C.

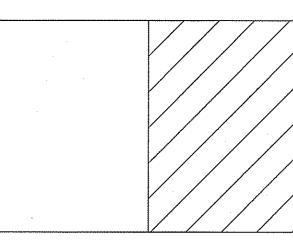
TO MECHANICAL DEVICE. BY M.C.

ALL STARTERS, COMBINATION STARTER/DISCONNECTS, AND DISCONNECTING MEANS, SUPPLIED BY E.C. FOR MECHANICAL EQUIPMENT AS REQUIRED BY NEC AND MECHANICAL EQUIPMENT MANUFACTURER'S REQUIREMENTS.

**REVISIONS** 1. 12/18/2024



REVISION #1:



KEY PLAN

REVISED FLOOR PLAN & EQUIPMENT LAYOUT

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SHEET NO. E-1 OF 3

1. ALL FIXTURES ARE TO BE APPROVED BY OWNER BEFORE PURCHASE.

CIRCUIT LOADING BEFORE BEGINNING CONSTRUCTION.

3. ALL STYLES, COLORS, FINISHES AND LOCATIONS OF FIXTURES/EQUIPMENT, AND DEVICES SHALL BE SELECTED BY OWNER.

4. VERIFY ALL SWITCH LOCATIONS WITH OWNER BEFORE BEGINNING CONSTRUCTION.

5. SEE SHELL BUILDING PLANS FOR EXTERIOR LIGHTING LAYOUT.

BUFFET/CORRIDOR LIGHTS-DINING AREA LIGHTS- $\$_{3D}1 \$_{3D}2$ SWITCH SWITCH NO. 1 NO. 2

DETAIL-GANG SWITCH NO. 2

E.C., OWNER, AND G.C. TO VERIFY ALL EQUIPMENT LOCATIONS, SPECIFICATIONS, & REQUIRMENTS BEFORE BEGINNING CONSTRUCTION.

ELECTRICAL LIGHTING PLAN
SCALE: 3/16" = 1'-0"

ELEC	CTRICAL LEGEND
MARK	DESCRIPTION
ф₩₽	'GFI' DUPLEX WITH WEATHERPROOF COVER
∯ GFI	GROUND FAULT INTERUPTING RECEPTACLE
<b>⊕</b> 1G	208V OR 240 V RECEPTACLE
4	TELEPHONE/DATA OUTLET
J	JUNCTION BOX
	FUSED DISCONNECT SWITCH
FB	"STEEL CITY" FLOOR BOX WITH CAT 5E CABLE FOR DATA
~~	SWITCHED BRANCH CIRCUIT
7-2	UNSWITCHED BRANCH CIRCUIT
7	120/208 VOLT CIRCUIT
ф	CEILING OR ATTIC MOUNTED DUPLEX RECEPTACLE
<del>\$-</del> 0/0	LIGHT FIXTURE (WALL/CEIL.)
	FLUORESCENT FIXTURE
N/L	UNSWITCHED FIXTURE
8	'EXIT' LIGHT FIXTURE, TYPE 'EX'
Ľ	BATTERY OPERATED EMERG. LT. (2—HEAD, WALL MTD.)
\$	SINGLE-POLE SWITCH
\$3(4)	3-WAY SWITCH (4-WAY SWITCH)
Ф	DUPLEX RECEPTACLE
[7]	CEILING MOUNTED JUNCTION BOX
<b>_</b>	EMERGENCY LIGHT REMOTE WEATHERHEAD(S)
\$ <sub>o</sub>	WALL MOUNTED OCCUPANCY SENSOR WITH SWITCH
<b>●</b> <sub>0</sub>	CEILING MOUNTED OCCUPANCY SENSOR

### NOTE

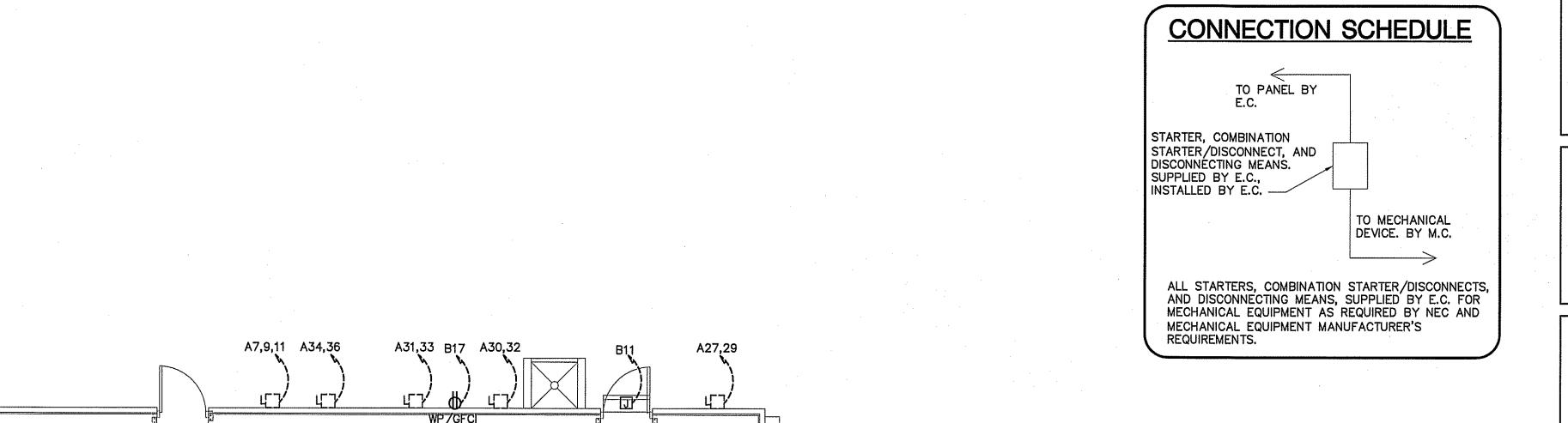
E.C., OWNER, AND G.C. TO VERIFY ALL EQUIPMENT LOCATIONS, SPECIFICATIONS, & REQUIRMENTS BEFORE BEGINNING CONSTRUCTION.

### NOTE:

ALL WET AREA RECEPTACLES TO BE GFCI IN ACCORDANCE WITH CURRENT VERSION OF NEC.

### NOTE:

HINDICATES OUTLET AT CEILING



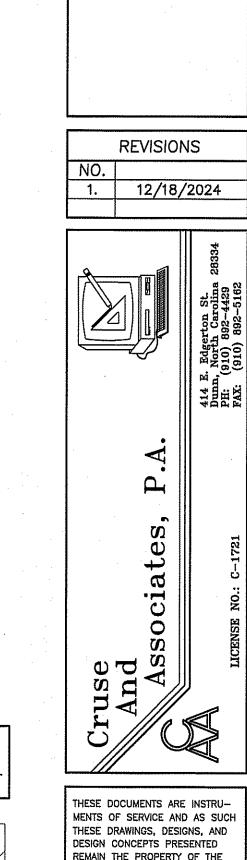
## **KEY NOTE:**

VERIFY LOCATION OF KITCHEN HOOD ELECTRICAL CIRCUITS BEFORE BEGINNING CONSTRUCTION.

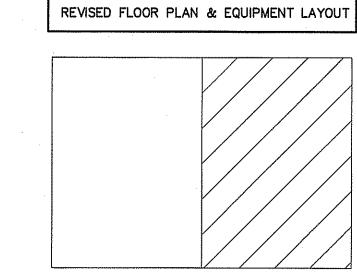
## NOTES:

-FOR BUILDING SIGN. VERIFY LOCATION BEFORE INSTALLATION

- 1. G.C. & E.C. TO REVIEW ELECTRICAL PLAN ALONG WITH FLOOR PLAN & EQUIPMENT PLAN.
- 2. ELECTRICAL CONTRACTOR TO PROVIDE WHIPS & DROPS TO EQUIPMENT AS REQUIRED.



ELECTRICAL POWER PLAN
SCALE: 3/16" = 1'-0"



**REVISION #1** 

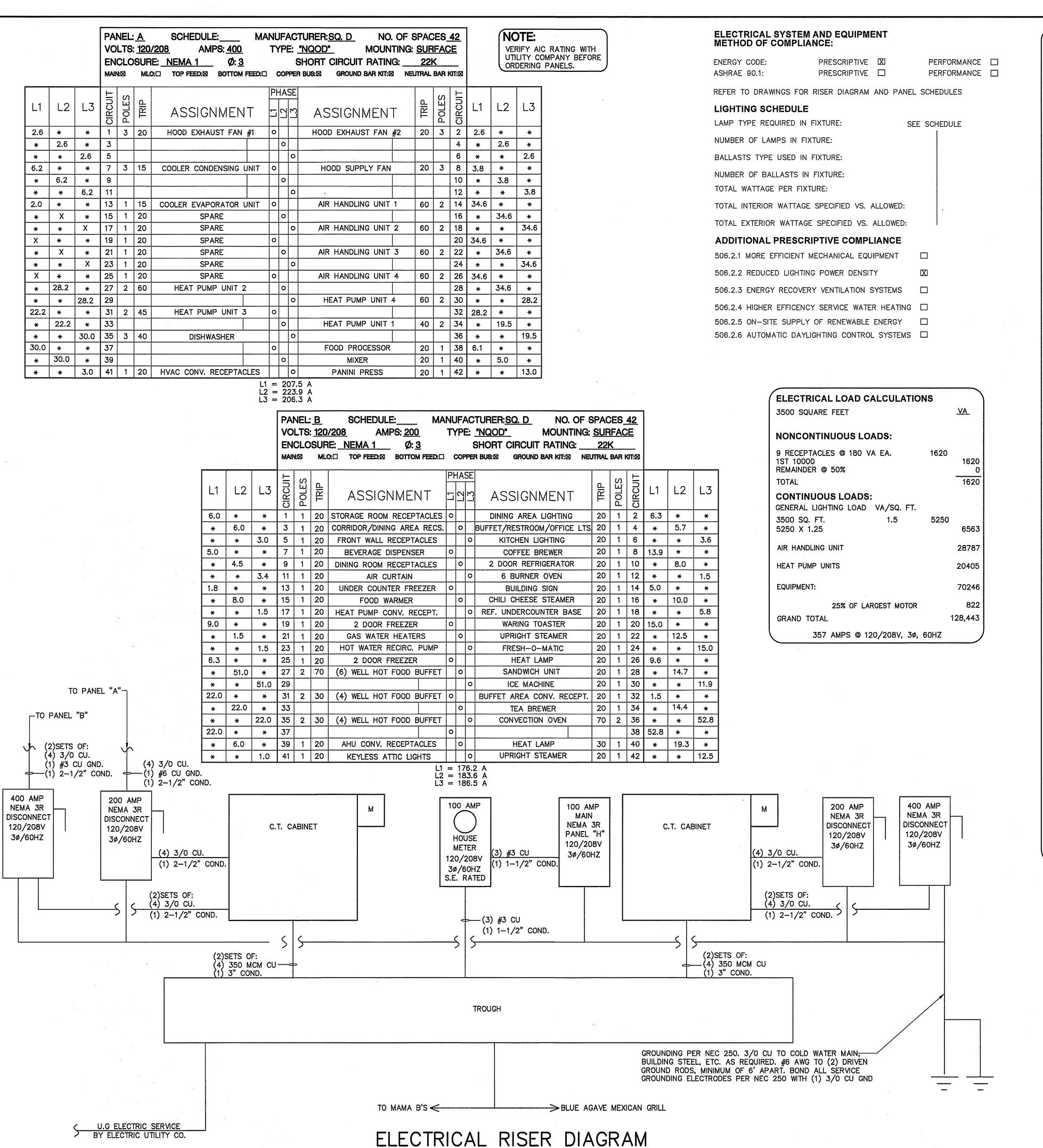
KEY PLAN

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DATE 08-09-24
DRAWN BY BAM
JOB NO. 24-16

SHEET NO. E-2 OF 3



NOT TO SCALE

### **ELECTRICAL NOTES (GENERAL)**

1. THE ELECTRICAL INSTALLATION, EQUIPMENT, MATERIALS, AND WORKMANSHIP SHALL, AS A MINIMUM, BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), ALL APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL CODES, LAWS, AND ORDINANCES, AND RULINGS OF THE INSPECTION AUTHORITIES HAVING JURISDICTION. ALL FEES, PERMITS, ETC., ASSOCIATED WITH THE ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

2. THE DRAWINGS GENERALLY INDICATE THE WORK TO BE INSTALLED, BUT DO NOT SHOW ALL BENDS, BOXES, FITTINGS, AND SPECIALTIES WHICH MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SUCH ITEMS REQUIRED TO COMPLETE THE INSTALLATION ACCORDING TO INDUSTRY ACCEPTED PRACTICES SHALL BE INCLUDED IN THE BID.

3. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND LISTED AND LABELED BY UNDERWRITERS LABORATORIES, INC.

4. ALL PENETRATIONS OF FIRE WALLS SHALL BE SEALED WITH APPROVED SEALING MATERIALS TO MAINTAIN THE FIRE RATING OF THE WALLS.

5. THE CONTRACTOR SHALL VERIFY WIRE AND FUSE/CIRCUIT BREAKER SIZING FOR ALL MECHANICAL EQUIPMENT PRIOR TO PURCHASING MATERIALS AND INSTALLING BRANCH CIRCUITS.

6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. APPARENT INTERFERENCES OR CONFLICTS SHALL BE REPORTED TO THE PRIME CONTRACTOR AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK IN

7. THE ELECTRICAL CONTRACTOR SHALL CONNECT BRANCH CIRCUITS TO THE MAIN LINE TERMINALS OF EQUIPMENT FURNISHED BY OTHER CONTRACTORS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ANY NECESSARY SWITCHES, DISCONNECTS, OR OVERCURRENT PROTECTION AHEAD OF SUCH EQUIPMENT.

8. RACEWAYS ARE SHOWN SCHEMATICALLY AND MAY BE REROUTED IN THE FIELD. THEY SHALL BE INSTALLED AT RIGHT ANGLES TO OR PARALLEL WITH BUILDING LINES. THEY SHALL BE RUN CONCEALED WITHIN WALLS OR BUILDING STRUCTURES WHEREVER POSSIBLE.

9. ALL RACEWAYS, EQUIPMENT, ETC., ABOVE A SUSPENDED CEILING SHALL BE MOUNTED A MINIMUM OF 18" ABOVE THE CEILING SO AS NOT TO BLOCK ANY TILE OR FIXTURE ACCESS.

10. THE MINIMUM ALLOWABLE SIZE FOR ANY CONDUIT, IMC, OR EMT SHALL BE 1/2" AND MAY BE USED FOR 2#12 WIRE SWITCHLEGS ONLY. A SWITCHLEG SHALL BE DEFINED AS THE RUN OF CONDUIT FROM THE SWITCH OUTLET BOX TO THE FIRST OUTLET BEING SWITCHED.

11. FULL WEIGHT GALVANIZED RIGID STEEL CONDUIT SHALL BE USED IN THE FOLLOWING AREAS:

A. ON THE EXTERIOR OF THE BUILDING OR ROOF,

B. VERTICAL DROPS WHERE THE CONDUIT CANNOT BE ANCHORED TO WALLS OR OTHER SUPPORT STRUCTURES,

C. WHERE SUBJECT TO MECHANICAL DAMAGE.

12. ALL WRE AND CABLE SHALL BE COPPER AND HAVE 600 VOLT THHN—THWN INSULATION. ALUMINUM WIRING SHALL NOT BE PERMITTED.

13. THE MINIMUM WIRE SIZE SHALL BE #12 AWG EXCEPT FOR CONTROL WIRING, WHICH MAY BE #14 AWG. CONTROL WIRING SHALL USE STRANDED CONDUCTORS UNLESS OTHERWISE NOTED.

14. ALL METAL RACEWAY SYSTEMS SHALL BE MADE ELECTRICALLY CONTINUOUS. THE RACEWAY SYSTEM SHALL NOT BE THE SOLE GROUNDING METHOD. AN INSULATED COPPER GROUNDING CONDUCTOR SHALL BE INSTALLED FOR ALL FEEDERS AND BRANCH CIRCUITS. AT RECEPTACLES, A GREEN GROUND CONDUCTOR SHALL BE CONNECTED TO THE GROUND TERMINAL OF THE RECEPTACLE.

15. THE ELECTRICAL CONTRACTOR SHALL COORDINATE FUSE AND DISCONNECT SWITCH SIZES WITH THE MECHANICAL EQUIPMENT SUPPLIER PRIOR TO PURCHASE AND INSTALLATION OF BRANCH CIRCUIT EQUIPMENT. IF EQUIPMENT SIZING CHANGES FROM DESIGN SIZES, CIRCUITS SHALL BE RESIZED ACCORDINGLY.

16. LIGHT FIXTURES FOR INSTALLATION IN A SUSPENDED CEILING SHALL BE SECURELY FASTENED TO THE CEILING SUSPENSION SYSTEM IN A MANNER TO PREVENT FIXTURES FROM FALLING. IN ADDITION, 16 GAGE WIRE HANGERS SHALL BE FASTENED TO THE FOUR CORNERS OF THE

17. CONNECTIONS TO FIXTURES INSTALLED IN SUSPENDED CEILINGS SHALL BE MADE WITH FLEXIBLE METAL CONDUIT TO ALLOW THE FIXTURE TO BE LIFTED OUT OF THE GRID AND MOVED TO AN ADJACENT GRID LOCATION.

18. BREAKERS SUPPLYING HVAC OR REFRIGERATION EQUIPMENT SHALL BE HACR TYPE.

19. 3/4" CONDUIT IS MINIMUM ALLOWABLE SIZE EXCEPT AS INDICATED IN #10. CONDUIT FILL NOT TO EXCEED 40% AS PERMITTED BY THE NATIONAL ELECTRIC CODE.

20. ALL CONDUCTORS TO BE INSTALLED IN CONDUIT (EXCEPT WHERE ROMEX IS INSTALLED). EMT FITTINGS TO BE COMPRESSION TYPE, INSULATED

21. NOT USED

22. DATA, SECURITY, THEATRICAL, AND VIDEO SYSTEMS TO BE PROVIDED BY OWNER. ROUGH—IN OF OUTLETS AND CONDUIT WILL BE BY CONTRACTOR AS SHOWN ON DRAWINGS.

23. NOT USED

24. NO. 10 AWG CONDUCTORS SHALL BE USED FOR 20 AMP BRANCH CIRCUIT HOME RUNS EXCEEDING 50 FT. TO THE JUNCTION POINT.

20 AMP BRANCH CIRCUIT WIRING SHALL BE NO. 10 AWG THROUGHOUT IF THE CIRCUIT IS LONGER THAN 100 FEET TOTAL LENGTH.

25. CONDUCTORS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET. SPLICES WILL NOT BE MADE EXCEPT WITHIN ACCESSIBLE OUTLET OR JUNCTION BOXES, TROUGHS, OR GUTTERS.

26. MAKE CONDUCTOR LENGTHS FOR PARALLEL CIRCUITS EQUAL

27. INSTALL TELEPHONE OUTLETS WITH 3/4" EMPTY CONDUIT AND PULL CORD. STUB OUT ABOVE CEILING. PHONE SYSTEM INSTALLED BY OWNER.

28. ALL CONDUIT WITHOUT CONDUCTORS SHALL HAVE NYLON PULLCORDS INSTALLED.

29. THE CONTRACTOR SHALL MAKE A COMPLETE REVIEW OF THE PLANS, SCHEDULES, AND DETAILS PRIOR TO INSTALLATION, AND REVIEW ANY CONFLICTS THAT ARE NOTED WITH THE ENGINEER.

30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES FOR PERMITS AND INSPECTIONS. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR ELECTRIC UTILITY CONNECTION FEES AND LINE EXTENSION FEES. 31. ELECTRICAL CONNECTIONS TO EQUIPMENT SUBJECT TO VIBRATION WHICH DEVELOPS OBJECTIONABLE NOISES SHALL BE MADE FROM THE CONDUIT

SYSTEM WITH SHORT LENGTHS OF FLEXIBLE "LIQUID-TITE" CONDUIT.

32. ALL WIRE TERMINATIONS AND EQUIPMENT TO BE RATED FOR 75° C MINIMUM.

33. ELECTRICAL CONTRACTOR TO MAINTAIN 2' OF SEPARATION ON RECEPTACLES ON OPPOSITE SIDES OF ANY FIRE RATED WALL PER 2020 N.E.C. 300.21.

34. WIRING TO DISCONNECT SWITCH AND DISCONNECT SWITCH SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. WIRING FROM THE DISCONNECT TO THE EQUIPMENT SHALL BE BY THE MECHANICAL CONTRACTOR.

FEEDER SCHEDULE			
UNIT	FEEDERS	FUSED DISCONNECT	CONDUIT
AHU-1,2,3,4	(2)#6CU,(1)#8CU GND	60	3/4"
HP-1,3	(2)#10CU,(1)#12CU GND	60	3/4"
HP-2,4	(2)#8CU,1#10CU GND	60	3/4"
DISHWASHER	(3)#8CU,1#10CU GND	60	1"

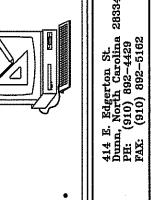
**REVISION #1:** REVISED FLOOR PLAN & EQUIPMENT LAYOUT

NOTE:

E.C., OWNER, AND G.C. TO VERIFY ALL EQUIPMENT LOCATIONS, SPECIFICATIONS, & REQUIRMENTS BEFORE BEGINNING CONSTRUCTION.

MAMA

REVISIONS 1. | 12/18/2024



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DATE 08-09-24 DRAWN BY BAM JOB NO. 24-16

SHEET NO.