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

OWNER/AUTHORIZE OWNED BY:	1) 111	FDMECT *	TERECA ALDEIN		10_00h. 0070 /04		CODE: 28334		•
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EAD DESIGN. DESIGN		***************************************	ISE & ASSOCIATES, FIRM			LICENSE #	TELEPHONE NO.		-MAIL
ARCHITECTURAL BUILDING		CRUSE AND	ASSOCIATES, P.A.			18909	(910)-892-4429		EASSOCIATES.C
CIVIL ELECTRICAL			ASSOCIATES, P.A.			18909	(910)-892-4429		
FIRE ALARM									
PLUMBING MECHANICAL			ASSOCIATES, P.A. ASSOCIATES, P.A.	***************************************	······································	18909 18909	(910)-892-4429 (910)-892-4429		
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OTHER			INDIVIDUALS SUCH A			NEERED	INTERIOR DESIGNEE	PS FTC \	
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			PROCEDURES & RE		43FECTION BUILDS	DIGITOR 1 OF	C FOSSIBLE ADDITION	<u>1L</u>	
			PHASED CONSTRUCTION FOR POSSIBLE ADD				ECTION JURISDICTION	FOR	
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BASIC BUILDIN CONSTRUCTION T			□ II-A □ III-A	_	□ V-A				
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SPRINKLERS: STANDPIPES:	⊠ NO □		☐ YES E.S.F.R. ☐	□ NFPA 13 E	□ NFPA 13R □ DRY	☐ NFPA	13D		
STANDPIPES: PRIMARY FIRE DI					☐ YES				
SPECIAL INSPECT	TIONS REQUI	RED: 🖾 NO	YES (CONTACT PROCEDURE	THE LOCAL INS		DICTION FO	OR ADDITIONAL		
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HAZARDOUS INSTITUTIONAL MERCANTILE RESIDENTIAL STORAGE ACCESSORY OCCUP INCIDENTAL USES(TANIES) SPECIAL USES(CHAIES) SPECIAL PROVISION MIXED OCCUPANCY: ACTUAT ALLOWAT ALLOWAT 1 1 1 1 1 1 1 1 1 1 1 1 1	I-1 CO I-2 CO I-3 CO I-3 CO I-4 IR-1 IS-1 MO PARKIN P	CODE SECTION CO	THE REQUIRED TYPE APPLYING THE HEIG OCCUPANCIES TO TI CONSTRUCTION, SO SEE BELOW FOR AR SHALL BE SUCH TH USE DIVIDED BY THE US	HIGH-PILED DENCLOSED SCELLANEOUS HR. E OF CONSTRUCT HT AND AREA HE ENTIRE BUIL DETERMINED, S REA CALCULATION AT THE SUM OF E ALLOWABLE F ALLOWABLE F AREA OF OC SILE AREA OF OC SILE AREA 19,000 MPUTED THUS: SPACE HAVING (W) 25] X W/30=	CTION FOR THE LIMITATIONS FOR EACH F THE RATIOS FLOOR AREA FOR FRONTAGE INCREASE 1,5 20 FEET MININ	BUILDING OR EACH (OST RESTR O THE EN STORY, T OF THE A OR EACH (SHALL BE DETERMOF THE APPLICABLI ICTIVE TYPE OF TIRE BUILDING. HE AREA OF THE CTUAL FLOOR AREA JSE SHALL NOT EX \$\leq 1.00 (D) OWABLE R STORY OR IMITED ^{2,3} 9,000	E OCUPANCY A OF EACH	

		ALLOWABLE HEIGHT											
	ALLOWABLE	SHOWN ON PLANS	CODE 1 REFERENCE										
IG HEIGHT IN FEET (TABLE 504.3) ²	FEET <u>55</u>	28'-0"											
IG HEIGHT IN STORIES (TABLE 504.4) ³	STORIES2	STORIES 2											
-	NG HEIGHT IN FEET (TABLE 504.3) ² NG HEIGHT IN STORIES (TABLE 504.4) ³		NG HEIGHT IN FEET (TABLE 504.3) ² FEET <u>55</u> 28'-0"										

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 ELEVENT	FIRE		TATUO		In majari ii	DEGION " FOR	OFCIO)
BUILDING ELEMENT	SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED (W* REDUCTION)	AND SHEET	FOR_	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES	_	0	. _	_	_	_	_
BEARING WALLS	— .	_	_	—	_	_	
EXTERIOR					-		
NORTH		0	24442	****	_		
EAST		0			_	-	*****
WEST		0			-		
SOUTH		0			-		
INTERIOR		0		<u>—</u>	_	_	
NONBEARING WALLS & PARTITIONS	****	_		-	_	/ 	
EXTERIOR	_	0					_
NORTH	_	0	****	••••		*****	
EAST		0	****			*****	
WEST	-	0					
SOUTH	_	0	–	-	_	_	-
INTERIOR	_	0	_		_	_	_
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	**************************************	0		*****			*****
FLOOR CEILING ASSEMBLY		2 HR		_		L505	
COLUMNS SUPPORTING FLOORS			•				_
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS		0	****	••••			
ROOF CEILING ASSEMBLY	_				-		
COLUMNS SUPPORTING ROOF		-	_	 		-	-
SHAFT ENCLOSURES—EXIT	-	-		-	-		
SHAFT ENCLOSURES—OTHER	_		-				
CORRIDOR SEPARATION		0					
OCCUPANCY SEPARATION						_	-
PARTY/FIRE WALL SEPARATION		4			_	_	-
SMOKE BARRIER SEPARATION					_		
TENANT/DWELLING UNIT/ SLEEPING UNIT SEPARATION	0	-				*****	
INCIDENTAL USE SEPARATION							

*INDICATE SECTION NUMBER PERMITTING REDUCTION

PERCENTAGE OF WALL OPENING CALCULATIONS-EXISTING, NO CHANGE

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
-	<u> </u>	-	
	·		

LIFE SAFETY SYSTEM REQUIREMENTS:

EMERGENCY LIGHTING:		NO 🖾
EXIT SIGNS:		NO 🖾
FIRE ALARM:	×	NO 🗆
SMOKE DETECTION SYST	EMS:	NO 🗆

J YES
PARTIAL ☑ NO □ YES CARBON MONOXIDE DETECTION: *NOTE: PROVIDE CO SENSORS THROUGHOUT R-2 SPACE ON SECOND FLOOR

LIFE SAFETY PLAN REQUIREMENTS:

LIFE SAFETY PLAN SHEET #, IF PROVIDED SEE SHEET LS-1 OF 1

ACCESSIBLE DWELLING UNITS N/A (SECTION 1107)

	(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-EXISTING PARKING PROVIDED BY CITY (SECTION 1106)

		(5.	2011011 11007			
LOT OR PARKING AREA	TOTAL # OF	PARKING SPACES	VIDED	TOTAL #		
UILL	REQUIRED	PROVIDED	REGULAR WITH 5'	VAN SPACES	WITH	ACCESSIBLE
	11000	ACCESS AISLE	132" ACCESS AISLE	8' ACCESS AISLE	PROVIDED	
					•	

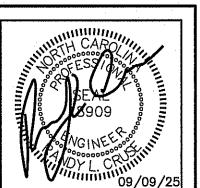
PLUMBING FIXTURE REQUIREMENTS

	(TABLE 2902.1)												
USE		WATERCLOSETS			URINALS			SHOWERS /TUBS	SERVICE SINKS	DRINKING FOUNTAINS			
		MALE	FEMALE	UNISEX	UKINALS	MALE	FEMALE	UNISEX	71063	SHILO	REGULAR	ACCESSIBLE	
SPACE	REQUIRED	1	1			1	1			1	N/A	N/A	
	PROVIDED			2				2		1	N/A	N/A	

2018 NCBC 2902.2 EXC. 5; PROVIDING TWO UNISEX TOILET ROOMS TO MEET REQUIREMENT.

SPECIAL APPROVAL:	 RISDICTION,	DEPARTMENT	OF IN	ISURANCE,	osc,	DPI,	DHHS,	ICC,	ETC.,	DESCRIBE	BELOW)

DESIGN LOADS:	STRUCTURAL DESIGN (EXISTING BUILDING-NO CHAI	NGE)
	SNOW (I _S) SEISMIC (I _E)	
LIVE LOADS:	ROOF PSF MEZZANINEN/A PSF	
	FLOOR — PSF	
GROUND SNOW LOAD: _	PSF	
	BASIC WIND SPEED MPH (ASCE-7) EXPOSURE CATEGORY	
SEISMIC DESIGN CAT	EGORY	
	SEISMIC DESIGN PARAMETERS: ANCY CATEGORY (TABLE 1604.5)	
SPECTR	RAL RESPONSE ACCELERATION S _S	ı IV
SITE	CLASSIFICATION (ASCE 7):	E 🗆 F
BASIC	STRUCTURAL SYSTEM (CHECK ONE) □ BEARING WALL □ DUAL W/SPECIAL MOMENT FRAME	HISTORICAL DATA
	☐ BUILDING FRAME ☐ DUAL W/INTERMEDIATE R/C OR SI☐ MOMENT FRAME ☐ INVERTED PENDULUM	PECIAL STEEL
	SIS PROCEDURE	E DYNAMIC
LATERAL DESIGN CON		
SOIL BEARING CAPAC FIELD TE	STILS: EST (PROVIDE COPY OF TEST REPORT) ————————————————————————————————————	
•	PTIVE BEARING CAPACITY PSF	
•		
	XISTING BUILDING, NO ENVELOPE CHANGES. CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET	THE ENERGY CODE SHALL
IF PERFORMANCE METHOD, STAT	GNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VS	
PROPOSED DESIGN. EXISTING BUILDING ENVELOPE	COMPLIES WITH CODE: NO YES (THE REMAINDER OF THIS SECT	ION IS NOT APPLICABLE)
	YES PROVIDE CODE OR STATUTORY REFERENCE:	ŕ
CLIMATE ZONE:] 3A	
METHOD OF COMPLIANCE: ENER	RGY CODE PERFORMANCE PRESCRIPTIVE HRAE 90.1 PERFORMANCE PRESCRIPTIVE	
OTHER: PERFORMANCE (SPEC		
THERMAL ENVELOPE (PRESCRIPTI		
ROOF/CEILING ASSEMBLY (EAC DESCRIPTION OF ASSEMBLY	H ASSEMBLY)	
U-VALUE OF TOTAL ASSEMBI		
SKYLIGHTS IN EACH ASSEMBL	<u>-Y</u>	
TOTAL SQUARE FOOTAGE OF	SKYLIGHTS IN EACH ASSEMBLY	AMERICAN CONTROL OF CO
EXTERIOR WALLS (EACH ASSEM DESCRIPTION OF ASSEMBLY		
R-VALUE OF INSULATION:		
OPENINGS (WINDOWS OR DOO U-VALUE OF ASSEMBLY	SOLAR HEAT GAIN COEFFICIENT:	Military and the control of the cont
PROJECTION FACTOR WALLS BELOW GRADE (EACH A		
DESCRIPTION OF ASSEMBLY U-VALUE OF TOTAL ASSEMBL	•	
4	•	
PLOORS OVER UNCONDITIONED DESCRIPTION OF ASSEMBLY		
U-VALUE OF TOTAL ASSEMBI	LY R-VALUE OF INSULATION:	
FLOOR SLAB ON GRADE DESCRIPTION OF ASSEMBLY DESCRIPTION OF ASSEMBLY		<u> </u>
R-VALUE OF INSULATION:	QUIREMENT	
SLAB HEATED ?		
	NDV.	
SUMMA	1 T T :	
	2018 NORTH CAROLINA STATE BUILDING CODE: ENERGY CONSERVATION	CODE
	2018 NORTH CAROLINA STATE BUILDING CODE: BUILDING CODE 2018 NORTH CAROLINA STATE BUILDING CODE: MECHANICAL CODE	
	2018 NORTH CAROLINA STATE BUILDING CODE: PLUMBING CODE	
	2020 NATIONAL ELECTRIC CODE	
ACCESSIBILITY CODE:	ICC/ANSI 117.1-2009 AMERICAN NATIONAL STANDARD ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES	
CONSTRUCTION: OCCUPANCY:	III-B B	
- :		
SHEET INDE		
	FLOOR/CEILING	
LS-1 OF 1 LIFE SAFE F-1 OF 2 FLOOR PL	AN	
F-2 OF 2 EQUIPMEN		
P-2 OF 2 PLUMBING	WASTE PIPING PLAN AL HVAC PLAN	
M-2 OF 3 MECHANIC	AL SCHEDULES/NOTES & DETAILS AL SCHEDULES/NOTES & DETAILS	
E-1 OF 3 ELECTRICA	AL LIGHTING PLAN	
	AL POWER PLAN AL RISER DIAGRAM/PANELS/NOTES	



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DATE 09/09/2025 DRAWN BY BAM JOB NO. 25-20

SHEET NO.

THIS IS AN EXISTING DOWNTOWN BUILDING WITH MASONRY (>4 HR) TENANT SEPARATION WALL.

BXUV1605 | QF ProductiQ

gyptoin board buit jelvis, on additional single length of furring channel shall be installed and be spaced approximately 3 in, from the buit jobit (G

in. from the continuous furting channels) to support the floating end of the gypsum board. Each of these shorter sections of Euring channel shall extend one jobs freyand the width of the gypsum panel and be attached to the adjacent jobs; with one Somp Clip at every jobs involved with the

6. Screw, Gypsum Board — 1 in. long, with 0.129 in , self-drilling and self-tapping shank, and Phillips-type 0.355 in. diam head. Screws

7. Finishing System - (Not Shown) -- Vinyl, dry or premixed joint compound, applied in two coats to joints and scrow-heads. Rom 2

in, wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in, thick veneer plaster may be

shall be driven on farther than slightly industed (not deeper than 1/64 in.) into the exposed surface of the gypsian broad.

AMERICAN GYPSUM CO -- Type AG-C.

THAI GYPSUM PRODUCTS PCL -- Type C

applied to the entire surface of gypsum beard.

https://w.olnosnactor.com/arvoratile?n= 14260

CABOT MANUFACTURING ULC - 5/8 in, Type C.

CERTAIN FEED GYPSUM INC ... Type C, Type LGFC C/A.

GEORGIA-PACIFIC GYPSUM L.E.C — Types 5, C, DAPC, GPI S1, TG-C.

PABCO BUILDING PRODUCTS L.E. C, DBA PABCO GYPSUM — Type C, PG-3 or PG-C.

NATIONAL GYPSUM CO -- Types FSK-C, FSK-G, FSW-C, FSVI-G

BXUV.L505 LUL Product IQ

Floor Mat Reinforcement --- (Optional) - Refer to manufacturer's instructions regarding minimum thickness of floor topping for use

Fiberglass Mesh Reinforcement — (Optional) — Coated non-woven glass fiber mosh grid loose laid over floor mat material.

Subflooring — Min 1 by 6 in, T & G lumber fastered diagonally to Joists, or min 15/32 in, thick wood structural panels or 7/16 in, thick priented

strand board (CSB) wood structural panels, min grado "C-D" or "Sheathing". Foce grain of plywood or strength axis of ponels to be perpendicular

Finish Flooring - Floor Topping Mixture* -- Min 3/4 in, thickness of floor topping mixture having a min compressive strength of 1000 psi, Refer

Subtlooring -- Min 1 by 6 in. T & G tumber fastened diagonally to joists, or min 15/32 in. thick wood structural panels or 7/16 in. thick oriented

strand board (OSB) wood structural panels, min grade "C-D" or "Sheathing". Fee grain of plysocod or strength axis of panels to be perpendicular

Floish Flooring - Floor Topping Mixture* --- Min 1 in thickness of floor topping mixture having a min compressive strength of 2500 psi. Noter to

Metal Lath — (Optional) Expanded steel diamond mesh, 2.5 lb / sq yd lonse laid over floor mot material.

2. Wood Juists -- Min 2 by 10, spaced 16 in. OC and effectively fireblocked in accordance with local codes.

to the joists with joints staggered.

to inamolecturer's locarichous accompanying the material for specific reladesign

manufacturer's instructions accompanying the material for specific mix design

Apex Minerals LLC -- Type Apex Multi Underlayment

billos dia akuneracia comtantantalila7en14280

7/1/25, 10:12 AM

BXUV.L505 FUL Productio

fitted into clips. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be

loints, as described in Item 5.

PLITEQ INC -- Type Genie Clip

described below.

Channels secured to loists as described in Item b.

Channels seconed to inists as described in Item b

REGUPOL AMERICA --- Type SonusClip

https://iq.adprospector.com/an/polite7o=14260

rlapped 6 in, and secured together with two self-tappling No. 6 having screws, non 7/16 in, lung at the midpoint of the overlap,

with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the gypsum beard butt-

4C, Alternate Steel Franking Members* — (Not Shown) - As an alternate to Item 4, furring channels and Steel Franking Members as

a. Furring Channels — Formed of No. 25 MSG galv steel, 2-5/8 in wide by 7/8 in deep, spaced 24 in OC, perpendicular to joists.

b. Steel Fraining Members* — Used to attach furring channels (Item a) to the wood joists (Item 2). Clips spaced at 48 in. OC and secured to the bottom of the joists with one 2 in. Coarse Drywall Screw with 1 in. diam washer through the center hole. Furring

channels are then friction fixed into clips. Ends of channels are overlapped 6° and find together with double strand of No. 18 AWG

4D. Alternate Steel Framing Members* — (Not Shown) - As an alternate to Item 4, furring channels and Steel Framing Members as

a. Furring Channels — Formed of No. 25 MSG galvisted, 2-1/2 in, wide by 7/8 in deep, spaced 24 in OC, perpendicular to joists.

b. Steef Framing Members* --- Used to attach fluring channels (Item a) to the wood joists (Item 2). Clips spaced at 40 in. OC and

secured to the bottom of the joists with one 2-1/2 in. Coarse Drywall Screw with 1 in. diam washer through the center hole. Furring channels are then friction fitted into clips. Ends of channels are overlapped 6" and find regether with double strand of No. 19 AWG

galvanized steel wire. Additional clips are required to hold the Gypsum Butt joints as described in Item 5.

galvanized steel wire. Additional clips are required to hold the Gypsum Butt Joints as described in Item 5.

STUDIO BUILDING SYSTEMS --- RESILMOUNT Sound Isolation Clips - Type A2278

PHOPOSED UP-FII FOR:

BUMBLE PIZZA

SIS EAST BROAD STREET

OINN NORTH CARDI INA 28334

EXUV.L505 | UL Preduct IO

Edgerton St.
North Carolina 28334

S, P.A.

Cruse And Associates, P

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DATE 09/09/2025
DRAWN BY BAM
JOB NO. 25-20

sheet no. BD-2 OF 2

EXIT REQUIREMENTS:

		NUMBI	ER AND ARRAN	IGEMENTS OF I	EXITS			
FLOOR, ROOM OR SPACE DESIGNATION	MINI NO. OF	MUM ² EXITS	TRAVEL DIS	STANCE	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		
В	1	1	100'	90'-0"	N/A	N/A		
				·				

CORRIDOR DEAD ENDS (SECTION 1020.4)

2. BUILDINGS W/SINGLE EXITS (TABLE 1006.3.2(2)), SPACES W/ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1)

3. COMMON PATH OF TRAVEL (SECTION 1029.8) 4. REAR EXIT IS NON ADA COMPLIANT

_				EXII	WID IH						
	USE GROUP OR SPACE DESCRIPTION	(a)	(b) .		(c))	EXIT WIDTH (in)				
		AREA ¹ SQ. FT.	AREA 1 PER OCCUPANT (TABLE	CALCULATED OCCUPANT LOAD	EGRESS WIDTH PER OCCUPANT (TABLE 1005.1)		REQUIRE (SECTION (a/t	۱ 1005.1) ا	ACTUAL SHOW PLA	N ON	
			1004.1.2)	(a/b)	STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL	
	RESTAURANT	950	SEATING	25	N/A	.2	N/A	5.0"	N/A	36"	
	KITCHEN	600	200	3	N/A	.2	N/A	0.9"	N/A	61"	
ŀ											
ł	TOTAL	1,550		28							

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 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

■ EXIT ACCESS TRAVEL DISTANCES (1017)

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 (1010.1.9.9) — 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:

1. SEE RATED WALL LEGEND

2. ALL ASSUMED PROPERTY LINES =0'-0" 3. ASSUMED PROPERTY LINE SEPARATION DISTANCE = 0'-0"; ALLOWED WALL OPENING: -NOT ALLOWED

4. NO DEAD ENDS > 20'

5. 2 HOUR RATED FLOOR/CEILING, SEE UL DETAIL; L505

6. PANIC HARDWARE NOT REQUIRED. 7. NO DELAYED EGRESS LOCKS, ELECTROMAGNETIC LOCKS, HOLD OPEN DEVICES, OR EMERGENCY ESCAPE WINDOWS REQUIRED 8. FIRE AREAS DO NOT EXCEED CODE ALLOWANCE

9. BUILDING MEETS CODE REQUIREMENTS WITHOUT SUBDIVISION INTO SMOKE COMPARTMENTS; NO SMOKE COMPARTMENTS

EXISTING

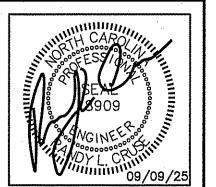
4 HR MASONRY TENANT

SEPARATION WALL OFFICE FUTURE DINING AREA 104 FUTURE KITCHEN 103 RESTROOM 90'-0" TOTAL LENGTH KXXXXXXXX -RESTROOM F.E.

LIFE SAFETY PLAN

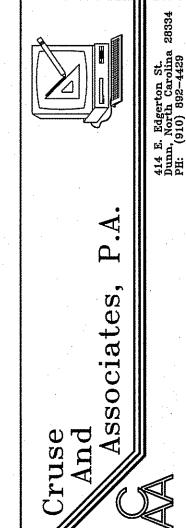
MAXIMUM CALCULATED OCCUPANT LOAD CAPACITY EACH EXIT DOOR CAN ACCOMMODATE BASED ON EGRESS WIDTH (1005.1)

1 35" CLEAR WIDTH DIVIDED BY .2" = 210 OCCUPANTS CALCULATED OCCUPANCY PER EXIT = 28 PEOPLE CALCULATED OCCUPANCY DOES NOT EXCEED MAXIMUM CAPACITY OF EXIT.



FIRE STOP ALL PENETRATIONS THROUGH 2 HOUR RATED FLOOR/CEILING.

REVISIONS



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- 20' WIDE ALLEY

EAST BROAD STREET

KEY PLAN

DATE 09/09/2025

DRAWN BY BAM JOB NO. 25-20

SHEET NO.

LEGEND FIRE EXTINGUISHER & CABINET CLASS ABC 10 POUNDS

ELSEWHERE.

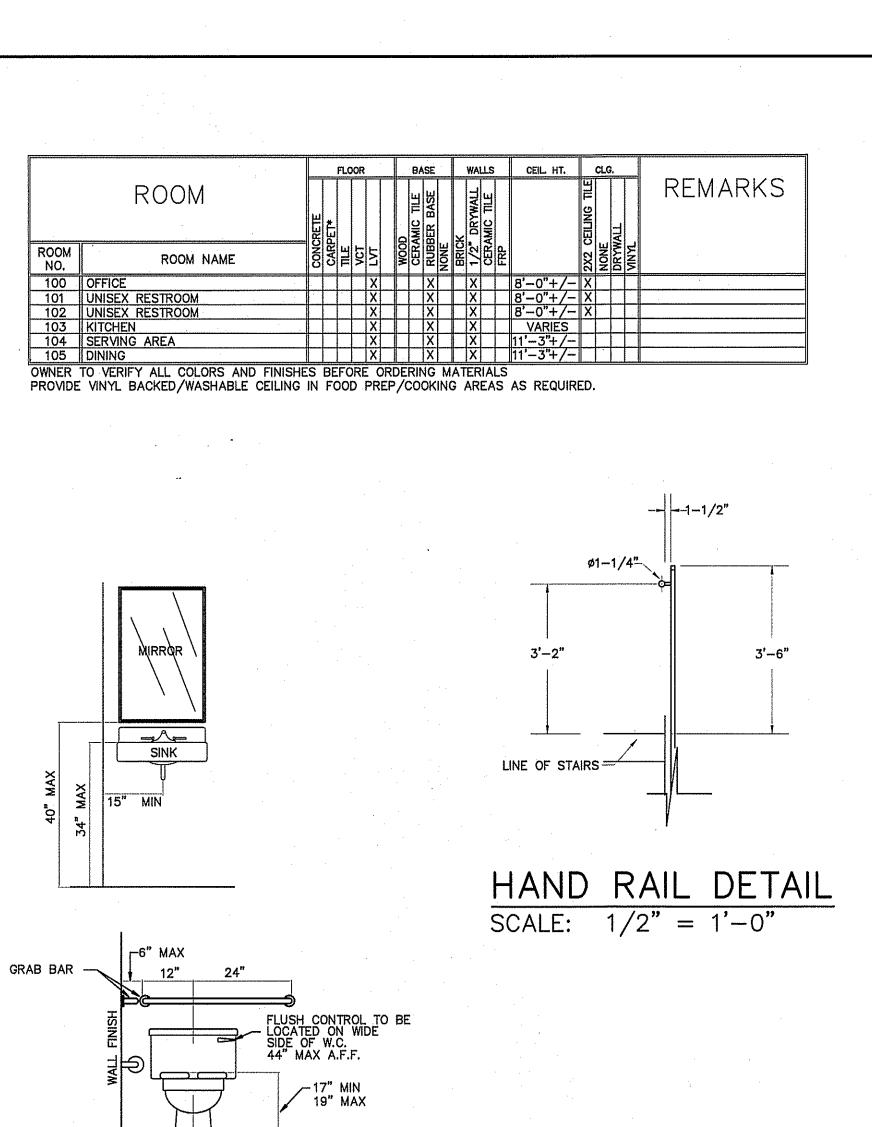
EXISTING TENANT SEPARATION WALL = 4 HR NEW METAL STUD WALL

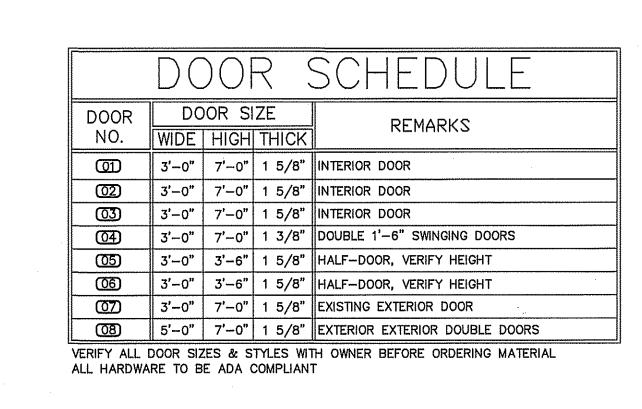
AREA/ROOM/SPACE DESIGNATIONS USED ON

LIFE SAFETY PLANS ARE EXCLUSIVE TO LIFE SAFETY PLAN ONLY, AND ARE NOT INDICATIVE

OF ANY ACTUAL SPACE DESIGNATIONS USED

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





1. ALL FURNISHINGS, FINISHES, CASEWORK, COLORS, AND STYLES SELECTED BY OWNER.
2. SEE LIFE SAFETY PLAN FOR LOCATION OF FIRE EXTINGUISHERS.

2ND FLOOR APARTMENT ABOVE 2X JOISTS -1. INSTALL IAW UL L505 DETAIL, SHEET BD-2 OF 2. RESILENT CHANNEL SOUND ISOLATION CLIP 5/8" DRYWALL-(RESILMOUNT A237R) -

KEY NOTES:

(4) EXISTING WINDOW

(7) WALL SHELF & COUNTER-TOP

B 12" HANDRAIL EXTENSION

5 EXISTING DOOR

(1) ADJUST RAMP LENGTH TO FINAL ELEVATION CHANGE.

(2) "HALF-WALL" VERIFY HEIGHT WITH OWNER BEFORE BEGINNING CONSTRUCTION.

6 PASS-THROUGH WINDOW & SHELF. VERIFY SIZE & LOCATION WITH OWNER BEFORE COSTRUCTION.

(3) ADA HEIGHT COUNTER-TOP. MAXIMUM HEIGHT IS 34"; OPEN BELOW.

CEILING SOUND ISOLATION DETAIL SCALE: NTS

ADJACENT TENANT 65'-4" 22'-51" 26'-13" 16'-9" 5'-101" **一** (66) 4 SEATS SEATS SERVING AREA 104 4'-3" $4'-5\frac{3}{4}"$ **©7** (5) TAKE OUT TABLE 16'-0" 4'-0" 2 SEATS 4 SEATS 4 SEATS ALLEY RESTROOM ACCESSIBILITY DETAILS
SCALE: 1/2" = 1'-0"

- 20' WIDE ALLEY EAST BROAD STREET

KEY PLAN

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SHEET NO.

LEGEND EXISTING TENANT
SEPARATION WALL = 4 HR

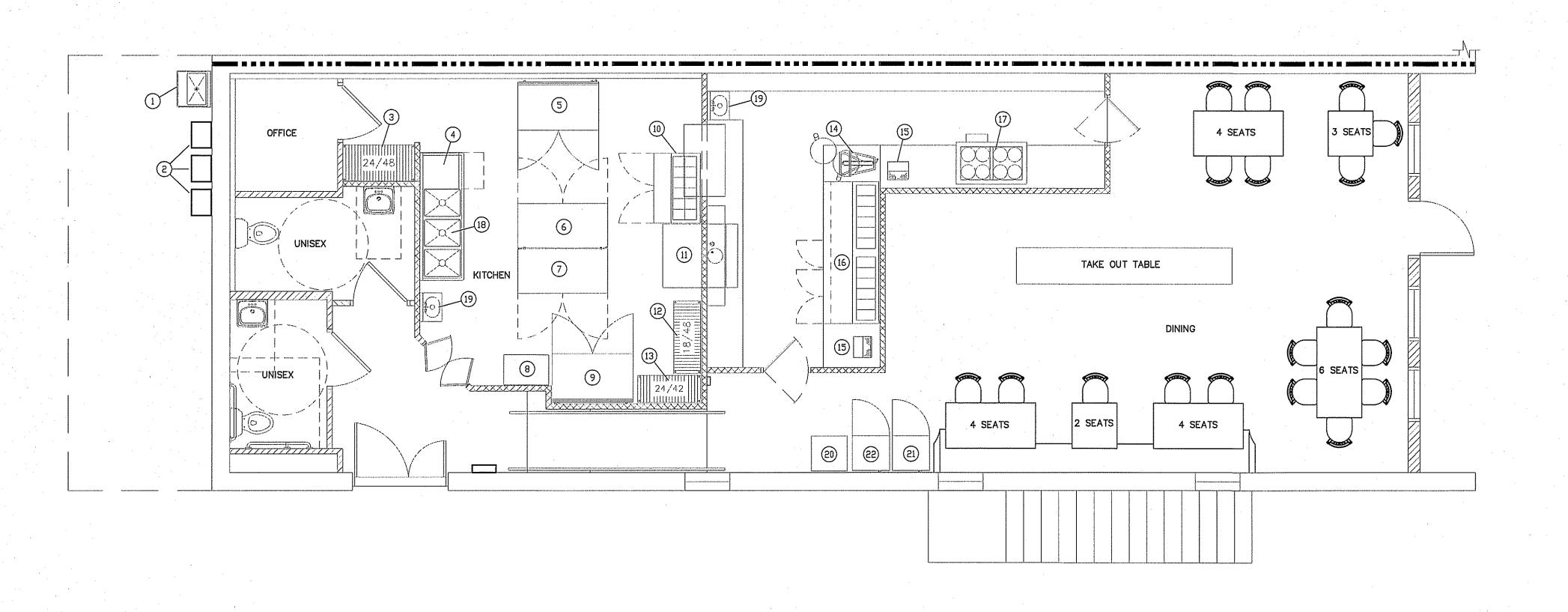
36" MAX.

- 6" MAX BOWL DEPTH

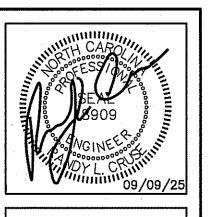
L KNEE AND TOE SPACE

PROPOSED FLOOR PLAN
SCALE: 1/4" = 1'-0"

		EQUIPMENT SCHEDUL	E
ITEM	QUAN	DESCRIPTION	REMARKS
1	1	MOP SINK	
2	3	GAS WATER HEATER (199,000 BTU EA.)	
3	1	24X48 WIRE SHELVING	·
4	. 1	NOBLE UH30-E DOOR TYPE DISH MACHINE	
5	1	DOUBLE DOOR REFRIGERATOR	
6	1	PREP TABLE	
7	1	REFRIGERATED PREP TABLE	
8	1	SHELVING	
9	1	DOUBLE DOOR FREEZER	
10	1	PREP TABLE	
11	1	GAS PIZZA OVEN	
12	1	18"X48" WIRE SHELVING	
13	2	24"X42" WIRE SHELVING	
14	1	ENDURANCE X1M DOUGH PRESS	
15	2	POINT OF SALE MACHINE	
16	1	PIZZA PREP	
17	1	ICE CREAM DIPPING STATION	WELL & FAUCET
18	1	3-Compartment SINK W/1 SIDEBOARD	18"x 24" Bowls
19	2	S.S. HAND SINK	
20	1	TRASH CAN	
21	1	SINGLE DOOR REACH IN SODA COOLER	:
22	1	SINGLE DOOR REACH IN BEER COOLER	

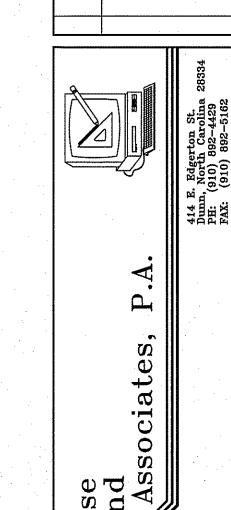


PROPOSED EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"



RUMBLE PIZZA 215 EAST BROAD STREET DUNN, NORTH CAROLINA 28334

REVISIONS



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DATE 09/09/2025
DRAWN BY BAM
JOB NO. 25-20

SHEET NO. F-2 OF 2

PLUME	BING	LEGEND	
DESCRIPTION	SY	MBOL	···········
COLD WATER -			(
HOT WATER -		1. 1	
COLD WATER (FILTERED)		<u> </u>	
RECIRCULATED WATER —			
VENT PIPING -			
WASTE PIPING	OMESTIC	GREASE	
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	→		
BALL VALVE	₩		
GATE VALVE	M		
SHUT-OFF VALVE	M		
DOUBLE CHECK VALVE	-ÀÀ-	•	
FIXTURE DESIGNATION	P		
MOUNTING HEIGHT	МН		
POINT OF CONNECTION NEW TO EXISTING	8	÷	
FLOOR SINK	4		
SHOCK ABSORBER W/BALL VALVE SHUT-OFF >	—————————————————————————————————————	SIZE PER MANUF. RECOMMENDATIONS	

KEY NOTES:				
1 CONNECT INSTANTANEOUS	WATER HEATER	S TO MANIFOLD	PER MANUFACTURER'S	REQUIREMENTS

2 ADA HEIGHT COUNTER-TOP SECTION

3 COORDINATE SUPPLY & VENT PIPING WITH HVAC RETURN DUCT & GRILLE.

	PLUMBING FIXTURE SCHEDULE											
MARK	MAKE	MODEL	MODEL DESCRIPTION NOTE:									
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								
P-2	AMERICAN STANDARD	LUCERNE 0356.041.020	VIRTEOUS CHINA WALL MOUNTED SINK	1340.227 FAUCET. PROVIDE W/BASKET DRAIN								
P-3	REGENCY	6053182424RX	(3) 18"W X 24":14" DEEP WITH (1) 24" RIGHT DRAINBOARD & 10" HIGH BACKSPLASH									
P-4	REGENCY	ONE COMPARTMENT FLOOR MOP SINK	29" 16 GAUGE STAINLESS STEEL 1 COMP. FLOOR MOP SINK-24"X24"X12" BOWL	PROVIDE W/ SERVICE FAUCET; HOSE AND HOSE HOLDER; MOP HANGER; AND DURAGUARD WALL GUARDS								
P-5		GAS WATER HEATER	199,000 BTU/HOUR									
P-6	JOHN BOOS & CO.	PBHS-14-SS	PRO BOWL HAND SINKS W/SIDE SPLASH									
P-7	AVANTCO	178CPSS47HC	STAINLESS STEEL DELUXE ICE CREAM DIPPING CABINET									
P-8	NOBLE	NOBLE UH30-E	STAINLESS STEEL DISHWASHER									
P-9	WATTS	WD-210	IN FLOOR GREASE INTECEPTOR	MINIMUM OF 200 LB. & 100 G.P.M.								
P-10	JOSAM	30003-C	FLOOR DRAIN	PROVIDE W/ NON-CLOG STRAINER & BUCKET, NIKALOY STRAINER, INSIDE CAULK OUTLET & TRAP GUARDS WHERE REQUIRED.								
P-11	FLOOR SINK											

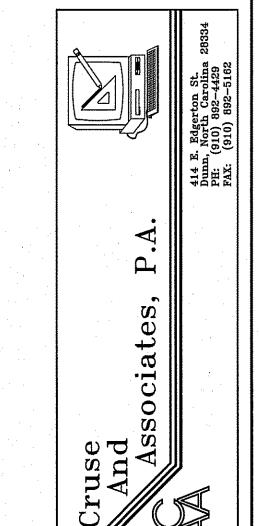
* OR EQUAL; VERIFY ALL FIXTURES WITH OWNER BEFORE PURCHASING OR INSTALLING;

							UNDER FLOOR \
•						#ESHLITOR/GOMESHIVE/T	
		:				P-4	3 P-6 1/2" J J J J J J J J J J J J J J J J J J J
						P-5	3/4" HOT DOWN TO DISHWASHER 1" 5/4" F 1" 3/4" F 1" 3/4" F 1" 3/4"
						P-5 1	D 140° 140° 140° 172″ P-8 1 1 1 1 1 1 1 1 1
UME	ING C	ONNEC	TION SCH	IEDULE		P-5 1/2" COLD DOWN TO WATER CLOSET	P-1 /4" COLD UP IN HALF WALL, OVER TO DIPPING STATION WELL
JRE	C.W.	H.W.	WASTE	VENT			
TANK CLOSET	1/2"	<u> </u>	3"	2"		1/2" H & C DOWN TO LAV. (TYPICAL)	
TORY	1/2"	1/2"	2"	1 1/2"			
E SINK	1/2"	1/2"	2"	1 1/2"		· .	1/2" H & C pown TO LAV.
DRAIN			3"	2"		1/2" COLD —	$\begin{pmatrix} \begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix} \begin{pmatrix} (TYPICAL) & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix} \begin{pmatrix} (TYPICAL) & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$
SINKS	1/2"	1/2"	3"	2"		1/2" COLD — DOWN TO WATER CLOSET	
			ULATION				
#	OF FIXTUR	E UNITS (EACH	H) FIXTURE UNITS	S (TOTAL) FIXTU	RE		
K-H.C. OSET	2 5.0		AL COLD HOT				
	5 1.5	1.5 2	7.5 7.5	10.0 1/5	· ·	SHUT OFF VALVE—	
01114				44			

1/2" H & C DOWN WALL TO— UNDER FLOOR

PLUMBING SUPPLY PIPING PLAN SCALE: 1/4" = 1'-0"

REVISIONS



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PLUMDI	NG CO	MNEUI	ON SCH	EVULE
FIXTURE	C.W.	H.W.	WASTE	VENT
FLUSH TANK WATER CLOSET	1/2"		3"	2"
LAVATORY	1/2"	1/2"	2"	1 1/2"
SERVICE SINK	1/2"	1/2"	2"	1 1/2"
FLOOR DRAIN			3"	2"
KITCHEN SINKS	1/2"	1/2"	3"	2"

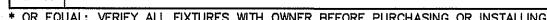
PLUMBING CALCULATIONS													
ITEM	# OF	FIXTURE	UNITS	(EACH)	FIXTURE	UNITS	(TOTAL)	FIXTURE UNITS					
11514	π O.	COLD	HOT	TOTAL	COLD	НОТ	TOTAL	(WASTE)					
FLUSH TANK—H.C WATER CLOSET	2	5.0		5.0	10		10	4/8					
LAVATORY	5	1.5	1.5	2	7.5	7.5	10.0	1/5					
JANITOR'S SINK	1	2.25	2,25	3	2.25	2.25	3.0	1/1					
3 COMPARTMENT SINK	1	3	3	4.0	3	3	4.0	3/3					
N.F.H.B.	1	3.0		3.0	3.0		3.0	.5/.5					
DISHWASHER	1		1.4	1,4	_	1.4	1.4	2/2					
· · · · · · · · · · · · · · · · · · ·	OTAL	14.8	8.15	18.4	25.75	14.15	31.4	19.5					

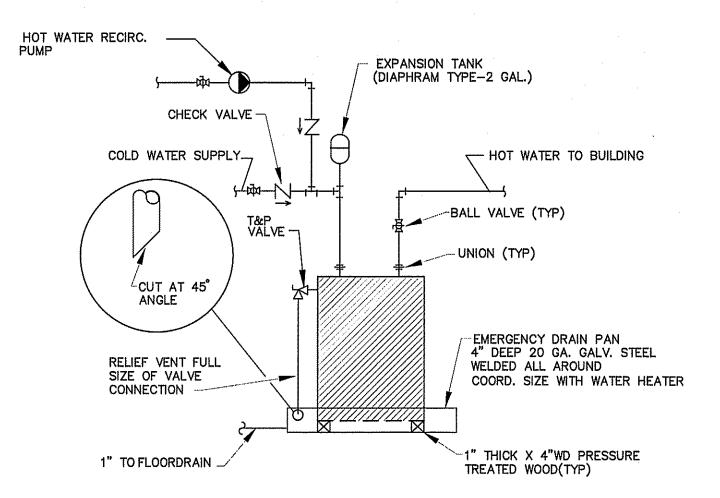
GPM =19.0 @ 60 PSI WATER SUPPLY PIPE SIZE: 1" MINIMUM

DESCRIPTION	S١	MBOL		
COLD WATER		. ,		cw
HOT WATER				— нw
COLD WATER (FILTERED)			- [L	
RECIRCULATED WATER -	-			HWF
VENT PIPING				v
WASTE PIPING	DOMESTIC		GREASE	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	<u> </u>			
BALL VALVE				
GATE VALVE	M			
SHUT-OFF VALVE	H			
DOUBLE CHECK VALVE	-M-			
FIXTURE DESIGNATION	P			
MOUNTING HEIGHT	МН			
POINT OF CONNECTION NEW TO EXISTING	8			
FLOOR SINK	· [d]			
SHOCK ABSORBER W/BALL VALVE SHUT-OFF 5	—————————————————————————————————————	SIZE PER M RECOMMEND	ANUF. ATIONS	

CAST IRON OR PVC CLEANOUT WITH COVER FOR DUTY REQUIRED.
GRADE OR PAVING 1'-6"x 1'-6"x 6" THICK CONCRETE PAD
CAST IRON OR PVC EXTENSION SAME SIZE AS SEWER UP TO 6" DIA. CAST IRON OR PVC LONG SWEEP 1/4 BEND OR CAST IRON COMB. "Y" 1/8 BEND. (USE REDUCING TYPE WHERE REQUIRED)
SEWER MATERIAL AND ———————————————————————————————————
DETAIL-CLEAN OUT AT GRADE NOT TO SCALE

MARK	MAKE	MODEL	DESCRIPTION	NOTES
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
P-2	AMERICAN STANDARD	LUCERNE 0356.041.020	VIRTEOUS CHINA WALL MOUNTED SINK	1340.227 FAUCET. PROVIDE W/BASKET DRAIN
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P-6	JOHN BOOS & CO.	PBHS-14-SS	PRO BOWL HAND SINKS W/SIDE SPLASH	
P-7	AVANTCO	178CPSS47HC	STAINLESS STEEL DELUXE ICE CREAM DIPPING CABINET	
P-8	NOBLE	NOBLE UH30-E	STAINLESS STEEL DISHWASHER	
P-9	WATTS	WD-210	IN FLOOR GREASE INTECEPTOR	MINIMUM OF 200 LB. & 100 G.P.M.
P-10	JOSAM	30003-C	FLOOR DRAIN	PROVIDE W/ NON-CLOG STRAINER & BUCKET, NIKALOY STRAINER, INSID CAULK OUTLET & TRAP GUARDS WHERE REQUIRED.
P-11	FLOOR SINK		<u> </u>	





DETAIL-WATER HEATER NOT TO SCALE

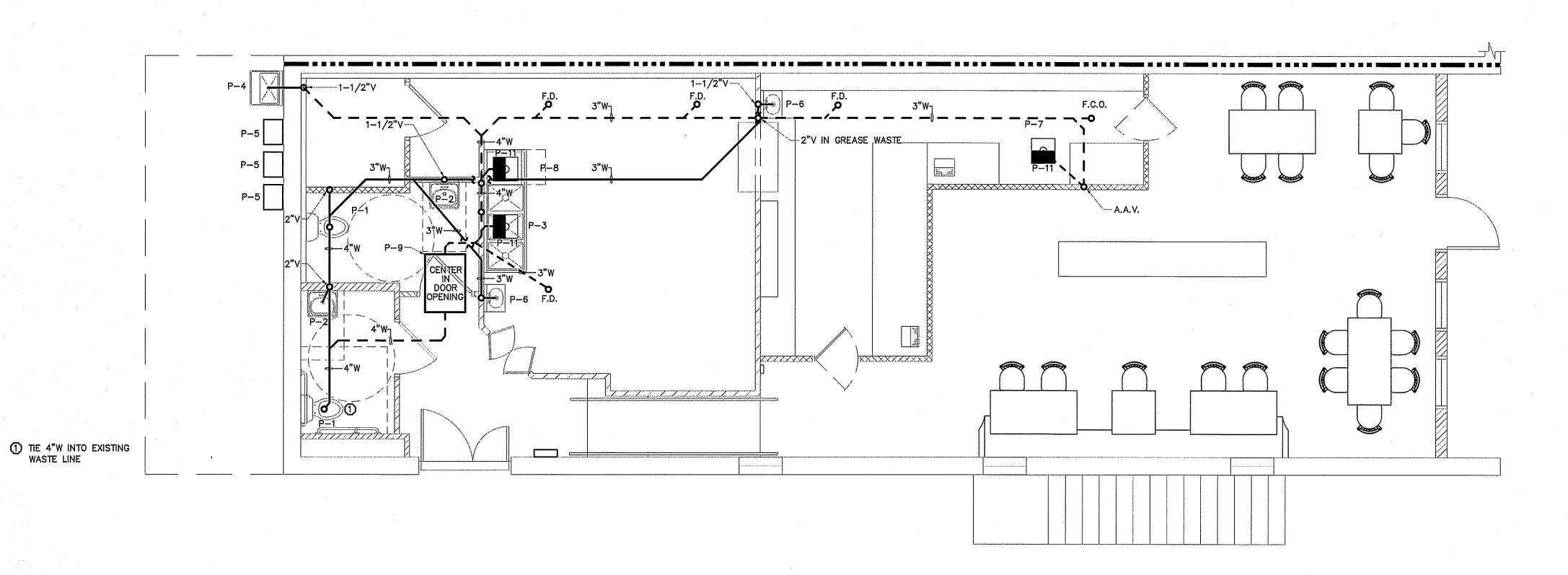
GENERAL PLUMBING NOTES

- 1. ALL WORK SHALL BE IN COMPLIANCE WITH APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
- 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.
- 5. 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. PEX IS ALLOWED WHERE PERMITTED BY CODE.
- 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.

FLOOR SINK OR FLOOR DRAIN

INDIRECT/FLOOR SINK DETAIL NOT TO SCALE

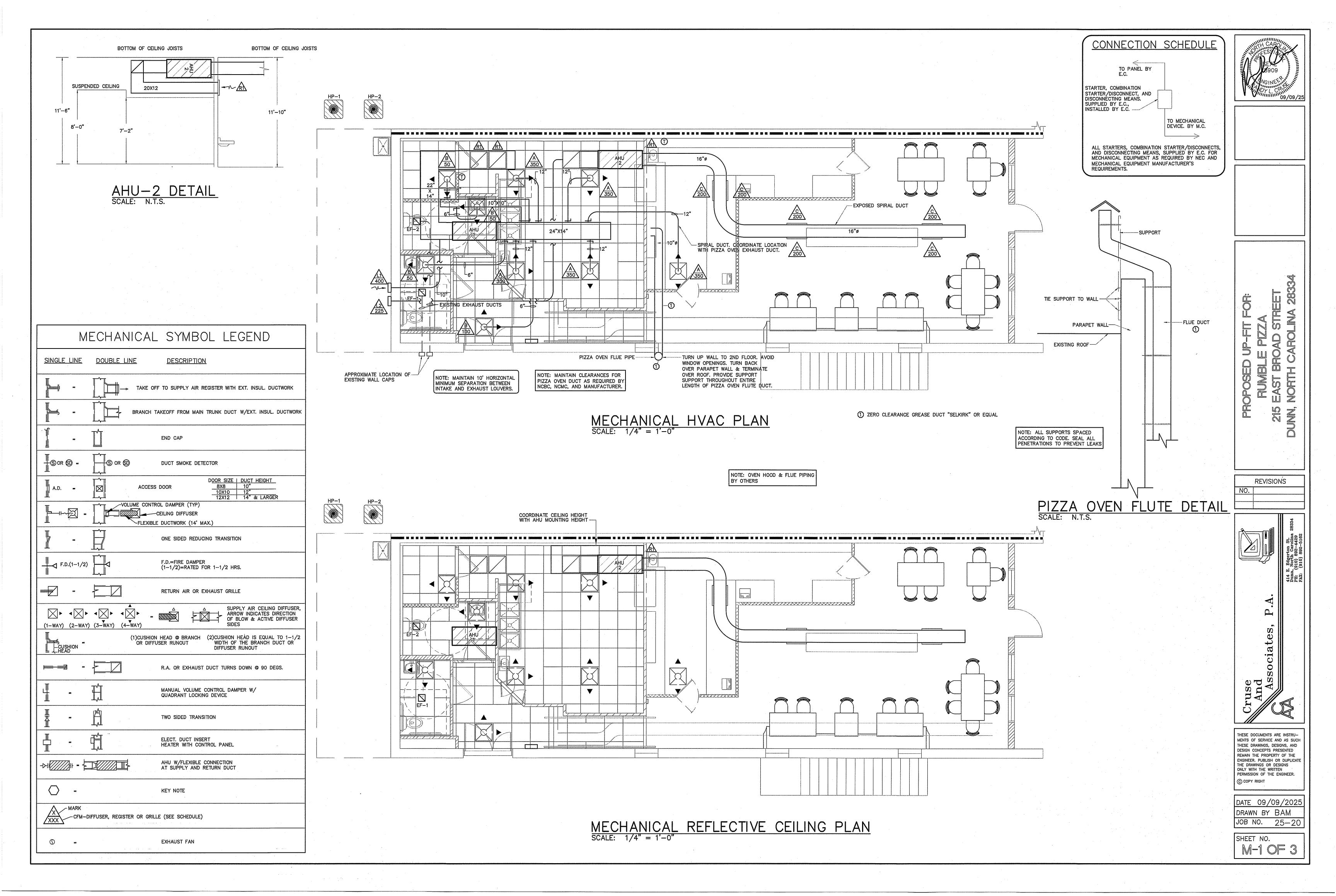


PLUMBING WASTE & VENT PIPING PLAN SCALE: 1/4" = 1'-0"

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							A	IR H	ANDI	LER U	INIT	•		:							SPLIT	T SYSTE	M HEA	T PUMP	UNITS		
AHU NO.	MANUEACTURE	Mode	VOLTAGE	 		OE!	UNIT FLA	REF	LINES	CEEB	HTR	COOL CAPACIT	ING ((MBH)	HEAT CAPACIT	NG Y (MBH)	HSPF	MIN. CIRC.	M.O.C.P.	MARK	MANUF	. MODEL	VOLTAGE	# COMP.	MIN. CIRC.	M.O.C.P.	UNIT FLA.	ACCESSORIES
AND NO.	MANUFACTURE	R MODEL	VOLTAGE	E.S.P.	CF	CFM	UNIT FLA	GAS	LIQ.	J. SEEK	(240)	TOTAL	SENS.	HIGH	LOW	ПЭРГ	AMPACITI	FACILI						AMPAGIT		FLM.	
AHU-1	TRANE	TEM4A0C60S51SAA	240/1/60	.46	N/A	2000	40.0	1-1/8	3/8	15.2	9.6	57.3	42.6	54.9	36.2	8.5	58	60	HP-1	TRANE	4TWR7060A1000CA	240/1/60	1	41	60	33.4	EXCLUDE 8,18
AHU-2	TRANE	TEM4A0B42S31	240/1/60	.46	N/A	1200	32.0	7/8	3/8	14.8	7.68	38.4	26.8	34.0	22,4	9.0	45	45	HP-2	TRANE	4TWR5036N1000	240/1/60	1	18	30	14.8	EXCLUDE 8,18

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

TIME-DELAY RELAY CYCLE PROTECTOR

MECHANICAL NOTÉS (GENERAL)

3. ALL DUCTWORK SHALL BE SEALED AIR TIGHT WITH SEALING COMPOUND.

TURNING VANES. DUCT SIZES SHOWN ARE NET INTERIOR DIMENSIONS.

GREENHECK SP-A90

OR EQUIPMENT.

ISOLATION RELAY

6 HIGH PRESSURE SWITCH

AND INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

7 LIQUID SOLENOID VALVE 8 LOW-AMBIENT CONTROLLER EVAPORATOR FREEZE PROTECTOR

1. DUCTWORK LAYOUTS ARE SCHEMATIC. ALL RISES, DROPS, OFFSETS, AND TRANSITIONS REQUIRED BUT ARE NOT SHOWN SHALL BE PROVIDED

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.

5. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER TRADES PRIOR TO INSTALLATION OF ANY OF HIS PIPING, DUCTWORK,

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

9. PROVIDE FACTORY OR FIELD INSTALLED DRAIN PANS UNDER ALL COOLING COIL UNITS. INSTALL DRAIN PAN FLOAT TO SHUT DOWN UNIT FAN IN

6. THE MECHANICAL CONTRACTOR SHALL MAKE A COMPLETE REVIEW OF THE MECHANICAL PLANS, SCHEDULES, AND DETAILS PRIOR TO

EVENT THAT CONDENSATE BEGINS TO FILL EMERGENCY DRAIN PAN. RUN ALL CONDENSATE DRAIN LINES TO APPROPRIATE DRAIN.

INSTALLATION OF THE MECHANICAL SYSTEMS AND REVIEW ANY CONFLICTS THAT ARE NOTED WITH THE ENGINEER.

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.

CEILING FAN

2. DUCTWORK SHALL BE GALVANIZED STEEL AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH SMACNA STANDARDS FOR LOW VELOCITY

4. ALL ELBOWS IN DUCTWORK SHALL BE RADIUS ELBOWS, UNLESS NOTED OTHERWISE. WHERE SQUARE ELBOWS ARE SHOWN, INSTALL

9 FILTER DRIER (LIQUID LINE) 10 OUTDOOR T'STAT TO LOCK OUT AUX. HT. (SET @ 40° F ADJ) 11 LOW PRESSURE CONTROL 12 CRANKCASE HEATER

13 DISCHARGE LINE MUFFLER 14 SUCTION AND LIQUID LINE SHUT OFF VALVES 15 THERMOSTAT (SEE NOTE) 16 SUPPORT FEET

115 1ø 60 EXISTING WALL CAP

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

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.

LOUVER SCHEDULE MARK DESCRIPTION SERVES CFM APPROXIMATE OUTSIDE DIMENSIONS (W X H) MODEL OUTSIDE AIR AHU-1 LOUVER INSECT SCREEN

12"X12"

AHU-2 225

HART & COOLEY 1530ZF 12X12 W/ INSECT SCREEN

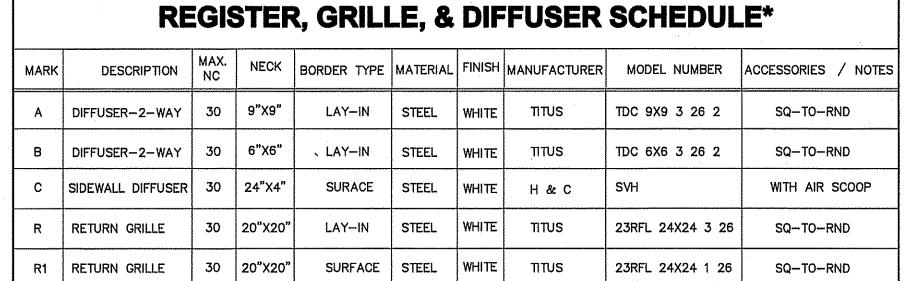
REGISTER, GRILLE, & DIFFUSER SCHEDULE*												
MARK	DESCRIPTION	MAX. NC	NECK	BORDER TYPE	MATERIAL	FINISH	MANUFACTURER	MODEL NUMBER	ACCESSORIES / NOTES			
Α	DIFFUSER-2-WAY	30	9"X9"	LAY-IN	STEEL	WHITE	TITUS	TDC 9X9 3 26 2	SQ-TO-RND			
В	DIFFUSER-2-WAY	30	6"X6"	LAY-IN	STEEL	WHITE	TITUS	TDC 6X6 3 26 2	SQ-TO-RND			
С	SIDEWALL DIFFUSER	30	24"X4"	SURACE	STEEL	WHITE	H & C	SVH	WITH AIR SCOOP			
R	RETURN GRILLE	30	20"X20"	LAY-IN	STEEL	WHITE	TITUS	23RFL 24X24 3 26	SQ-TO-RND			
R1	RETURN GRILLE	30	20"X20"	SURFACE	STEEL	WHITE	TITUS	23RFL 24X24 1 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

14' FLEX MAX. -ROUND GALV. DUCT PANDUIT STRAP-1'-6" MIN. GALVANIZED FOIL BACKED -INSULATION

OUTSIDE AIR

LOUVER

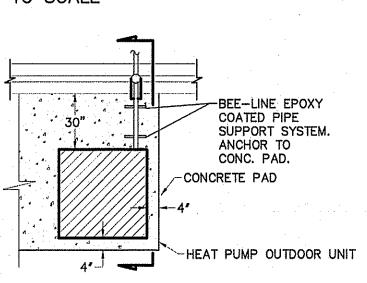


EXHAUST FAN SCHEDULE ELECTRICAL CFM AMPS MODEL NOTES MAKE VOLT PH HZ IN (W.G.)

70

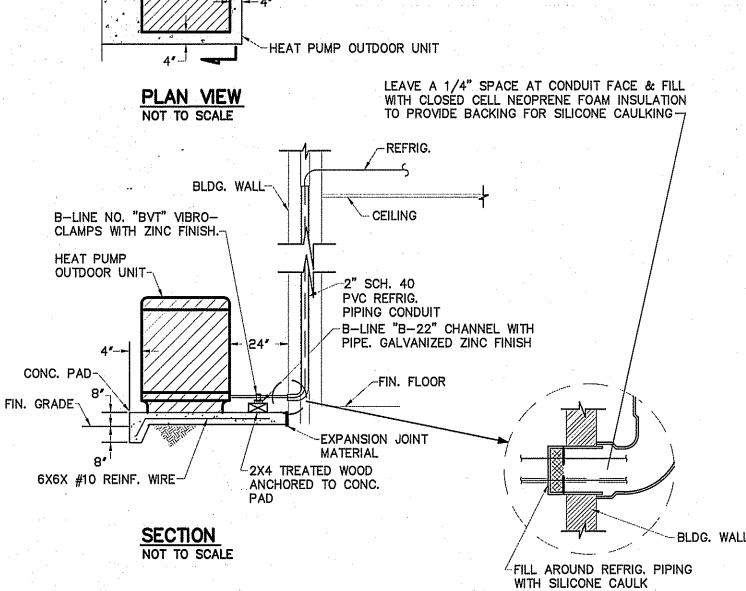
.125

EXPOSED "T" BAR MOUNTED DETAIL-CEILING DIFFUSER CONNECTION



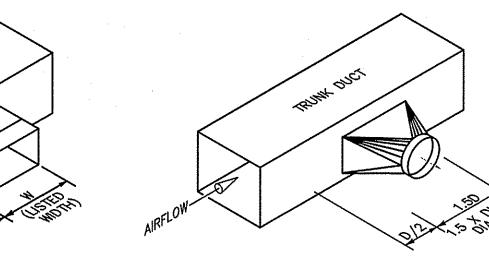
∠SURFACE

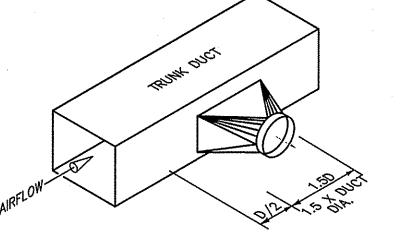
MOUNTED



DETAIL-TYPICAL HEAT PUMP OUTDOOR UNIT

NOT TO SCALE





<u>ROUND</u>

-ROUND DUCT CONICAL SPIN-IN MANUAL BALANCING DAMPER W/ LOCKING QUADRANT DEVICE **DIFFUSER**

TYPICAL LATERAL TO REGISTER OR BRANCH DUCT

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT THERMAL ZONE 4A - HARNETT COUNTY, NC

WINTER DRY BULB 16 DEG. F. SUMMER DRY BULB 93 DEG. F.

<u>RECTANGULAR</u>

INTERIOR DESIGN CONDITIONS

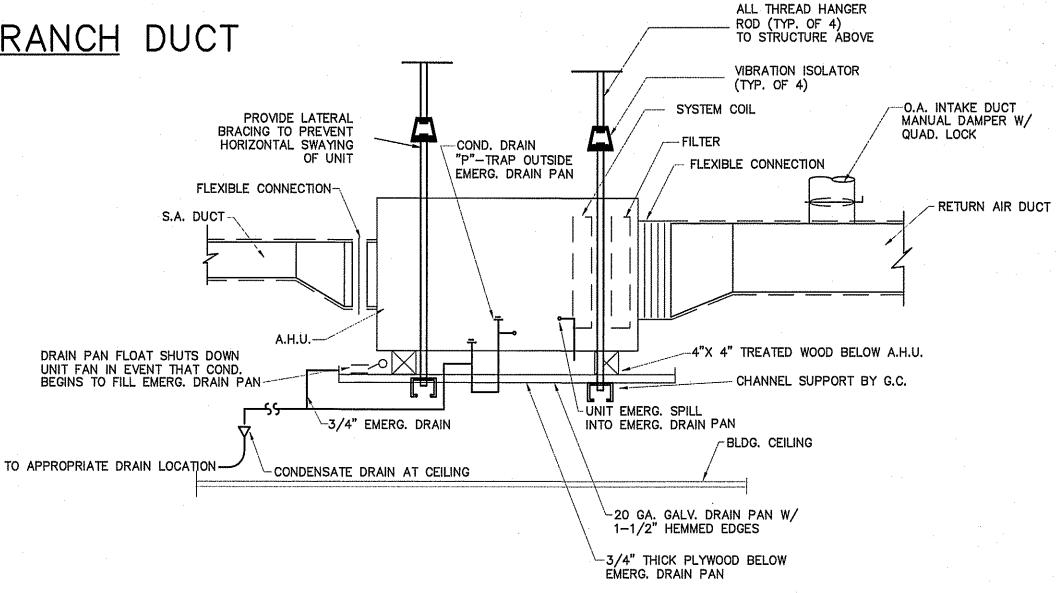
WINTER DRY BULB 59 DEG. F. SUMMER DRY BULB 78 DEG. F. RELATIVE HUMIDITY 55%

BUILDING HEATING LOAD 35.8 MBH BUILDING COOLING LOAD 8 TONS **MECHANICAL SPACE CONDITIONING SYSTEM**

> DESCRIPTION OF UNIT - HEAT PUMP HEATING EFFICIENCY - 8.5 HSPF COOLING EFFICIENCY - 15.2 SEER SIZE CATEGORY OF UNIT - < 65,000 BTUH

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

LIST EQUIPMENT EFFICIENCIES SEE SCHEDULE

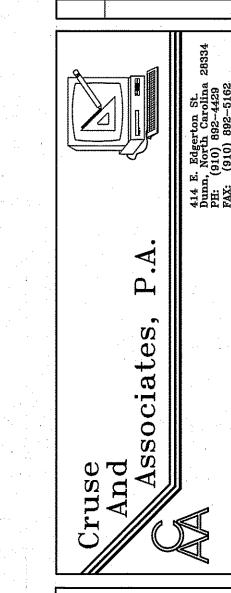


TYPICAL DETAIL AT AIR HANDLING UNITS NOT TO SCALE

DATE 09/09/2025 DRAWN BY BAM

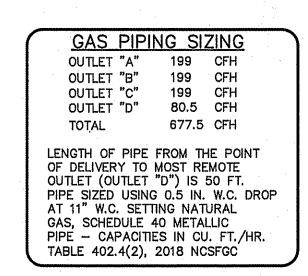
> SHEET NO. M-2 OF 3

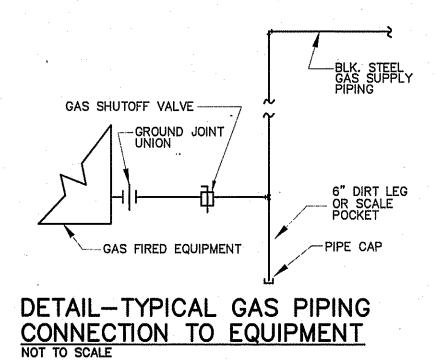
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JOB NO. 25-20





Cuote

COORDINATE EXACT LOCATION OF WATER HEATERS WITH WALL OPENINGS ON SECOND FLOOR TO MAINTAIN PROPER CLEARANCES.

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
- 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.

IBLE PIZZA
IBLOAD STREET
TH CAROLINA 28334

在大學學 化双键键键 一个海绵的精神。

REVISIONS NO.

.A.

Cruse And Associates, P.A.

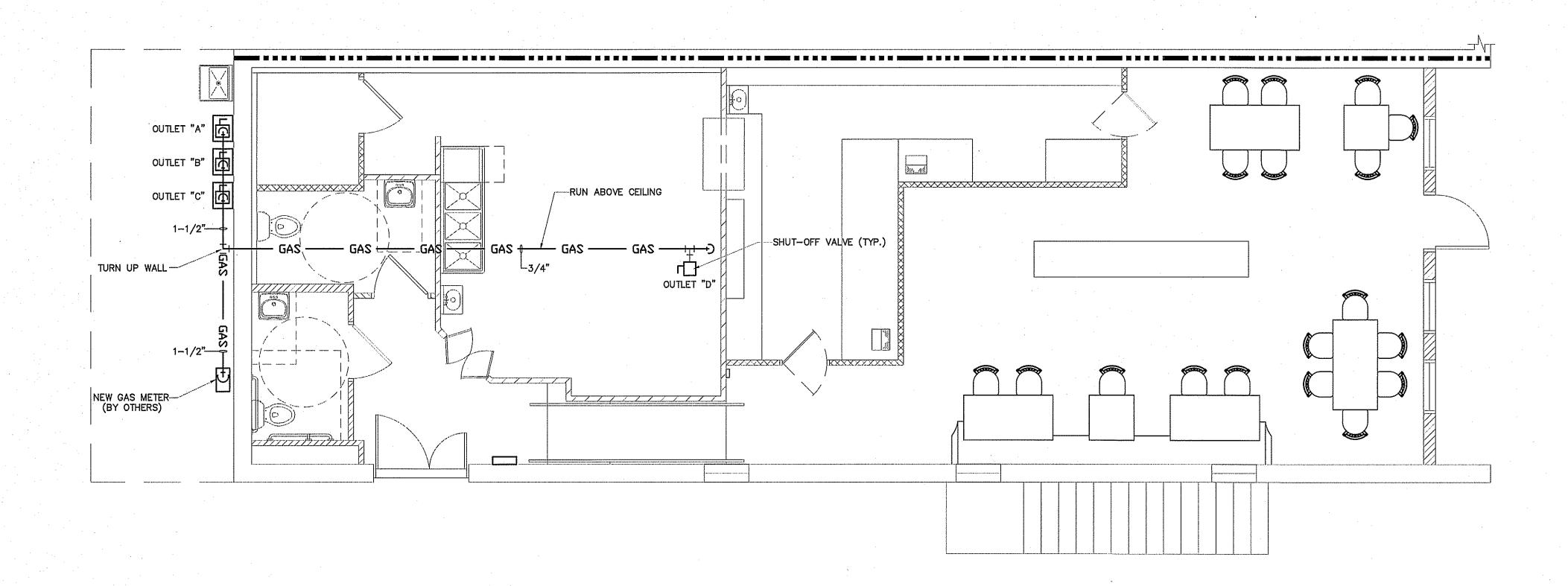
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DATE 09/09/2025
DRAWN BY BAM
JOB NO. 25-20

SHEET NO.

M-3 OF 6



GAS PIPING PLAN
SCALE: 1/4" = 1'-0"

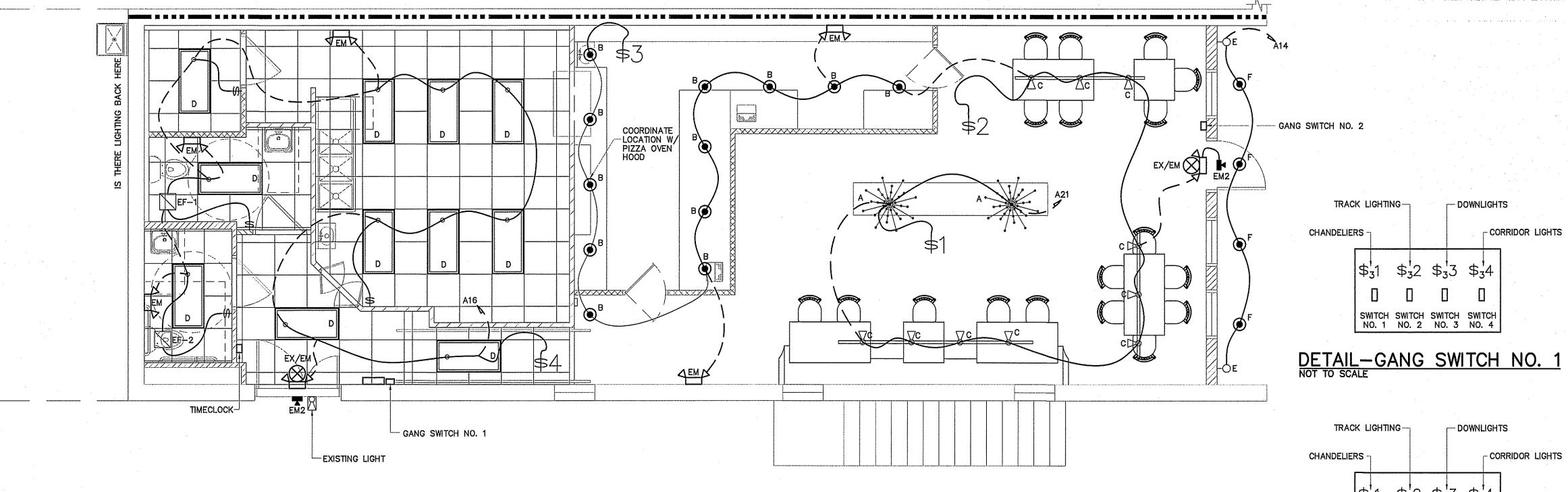
LIGHTING DATA FOR ENERGY CODE									
AREA USE	AREA FT ²	WATTS PER FT ² ALLOWED	TOTAL WATTS ALLOWED	TOTAL WATTS USED	TOTAL WATTS LEFT OVER				
RESTAURANT	1550	1.5	2325	1163	1162				
TOTAL	··1550		2325	1163	1162				

ELECTRICAL LEGEND								
MARK	DESCRIPTION							
фwР	'GFI' DUPLEX WITH WEATHERPROOF COVER							
∯ GFI	GROUND FAULT INTERUPTING RECEPTACLE							
∰ IG	208V OR 240 V RECEPTACLE							
4	TELEPHONE/DATA OUTLET							
Ū	ЈИМСТЮМ ВОХ							
<u></u> 1	FUSED DISCONNECT SWITCH							
FB	"STEEL CITY" FLOOR BOX WITH CAT 5E CABLE FOR DATA							
~~	SWITCHED BRANCH CIRCUIT							
12	UNSWITCHED BRANCH CIRCUIT							
7	120/208 VOLT CIRCUIT							
#	CEILING OR ATTIC MOUNTED DUPLEX RECEPTACLE							
 -0/0	LIGHT FIXTURE (WALL/CEIL.)							
	FLUORESCENT FIXTURE							
■ N/L	UNSWITCHED FIXTURE							
8	'EXIT' LIGHT FIXTURE, TYPE 'EX'							
¢	BATTERY OPERATED EMERG. LT. (2-HEAD, WALL MTD.)							
\$	SINGLE-POLE SWITCH							
\$3(4)	3-WAY SWITCH (4-WAY SWITCH)							
Ф	DUPLEX RECEPTACLE							
#	CEILING MOUNTED RECEPTACLE							
. 	EMERGENCY LIGHT REMOTE WEATHERHEAD(S)							
\$,	WALL MOUNTED OCCUPANCY SENSOR WITH SWITCH							
⊚ ₀	CEILING MOUNTED OCCUPANCY SENSO							

			LIGHT FIXTURE SCHED	ULE		٠	
MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	BALLASTS	WATTAGE	REMARKS
Α	LED CHANDELIER SELECTED BY OW	NER		LED		100.0	TO BE DIMMABLE
В	IINTERIOR 6" LED DOWN LIGHT			LED		20.5	
С	TRACK LIGHTING			LED		21	BASED ON (1) LED HEAD PER LINEAR FOOT OF TRACK
D	2X4 LED FLAT PANEL SURFACE MOUNTED FIXTURE	LITHONIA	CPANL 2X4 AL06 SWW7 M2 40/50/60LM 35K-40LM	LED		52.0	
E.	EXTERIOR WALL SCONCE			LED		25.0	ON TIMECLOCK
F**	6" EXTERIOR DOWN LED LIGHT			LED		25.0	ON TIMECLOCK
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				

FIXTURES SELECTED BY OWNER AND PURCHASED BY CONTRACTOR

* BEFORE PURCHASING, VERIFY EXTERIOR FIXTURES MEET ZONING ORDINANCE



ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

TRACK LIGHTING-C DOWNLIGHTS CHANDELIERS 7 CORRIDOR LIGHTS SWITCH SWITCH SWITCH NO. 1 NO. 2 NO. 3 NO. 4

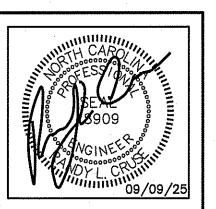
SWITCH SWITCH SWITCH NO. 1 NO. 2 NO. 3 NO. 4

TRACK LIGHTING-

- DOWNLIGHTS

CORRIDOR LIGHTS

DETAIL-GANG SWITCH NO. 2



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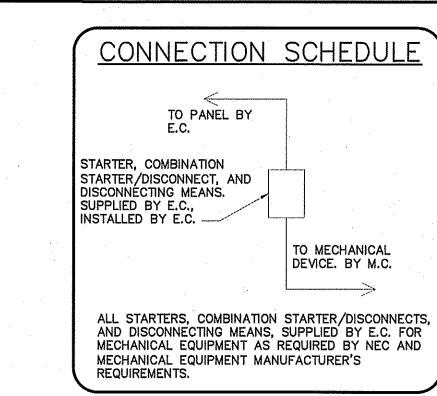
DATE 09/09/2025 DRAWN BY BAM JOB NO. 25-20

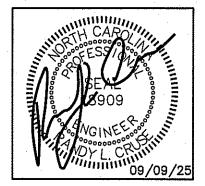
SHEET NO.

ELEC	CTRICAL LEGEND
MARK	DESCRIPTION
ф₩Р	'GFI' DUPLEX WITH WEATHERPROOF COVER
∯ GF1	GROUND FAULT INTERUPTING RECEPTACLE
∰ іс	208V OR 240 V RECEPTACLE
•	TELEPHONE/DATA OUTLET
Ū	JUNCTION BOX
	FUSED DISCONNECT SWITCH
FB	"STEEL CITY" FLOOR BOX WITH CAT 5E CABLE FOR DATA
~~	SWITCHED BRANCH CIRCUIT
~ ~ ~	UNSWITCHED BRANCH CIRCUIT
7	120/208 VOLT CIRCUIT
4	CEILING OR ATTIC MOUNTED DUPLEX RECEPTACLE
\$ - 0/0	LIGHT FIXTURE (WALL/CEIL.)
	FLUORESCENT FIXTURE
■ N/L	UNSWITCHED FIXTURE
8	'EXIT' LIGHT FIXTURE, TYPE 'EX'
¢	BATTERY OPERATED EMERG. LT. (2—HEAD, WALL MTD.)
\$	SINGLE-POLE SWITCH
\$3(4)	3-WAY SWITCH (4-WAY SWITCH)
ф	DUPLEX RECEPTACLE
4	CEILING MOUNTED RECEPTACLE
_	EMERGENCY LIGHT REMOTE WEATHERHEAD(S)
\$0	WALL MOUNTED OCCUPANCY SENSOR WITH SWITCH
® ₀	CEILING MOUNTED OCCUPANCY SENSOR

B2,4 **∕**







REVISIONS

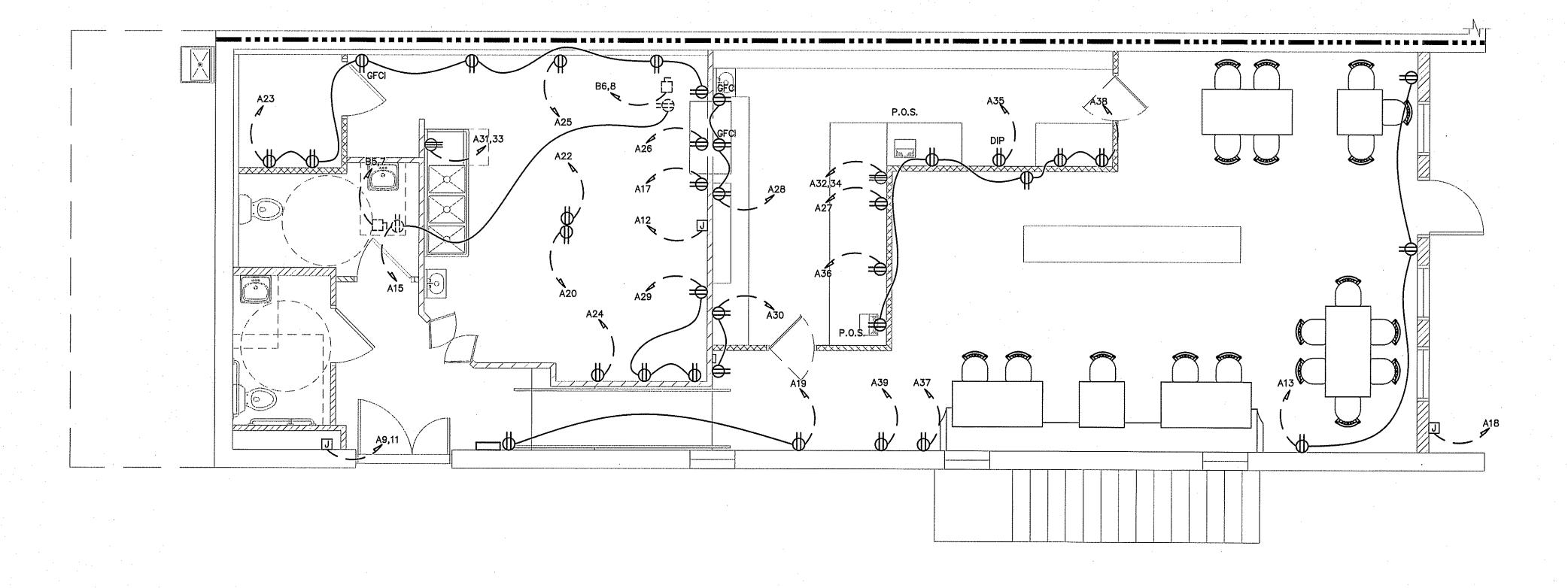
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NOTE: KITCHEN/WET AREA RECEPTACLES TO BE GFCI.

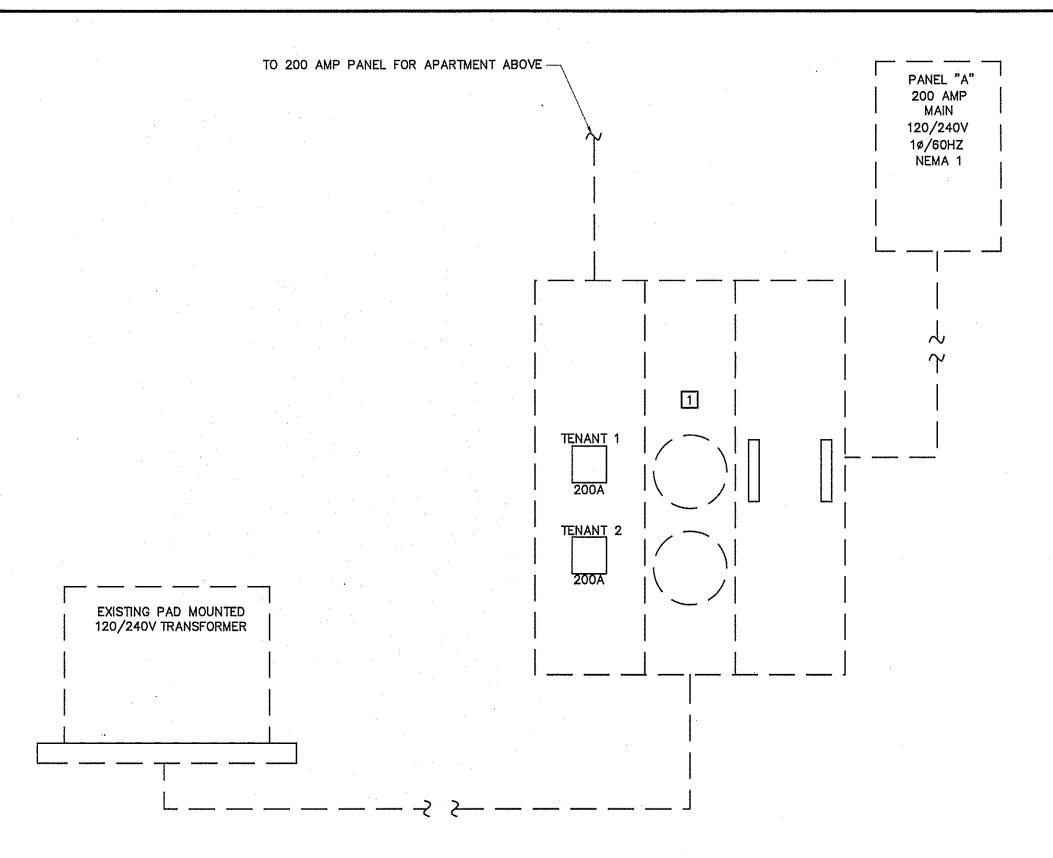
RECEPTACLES IN PUBLIC AREAS TO BE ARC-FAULT PROTECTED AND/OR TAMPER PROOF I.A.W. 210.12 CURRENT VERSION OF NEC.

SHEET NO.

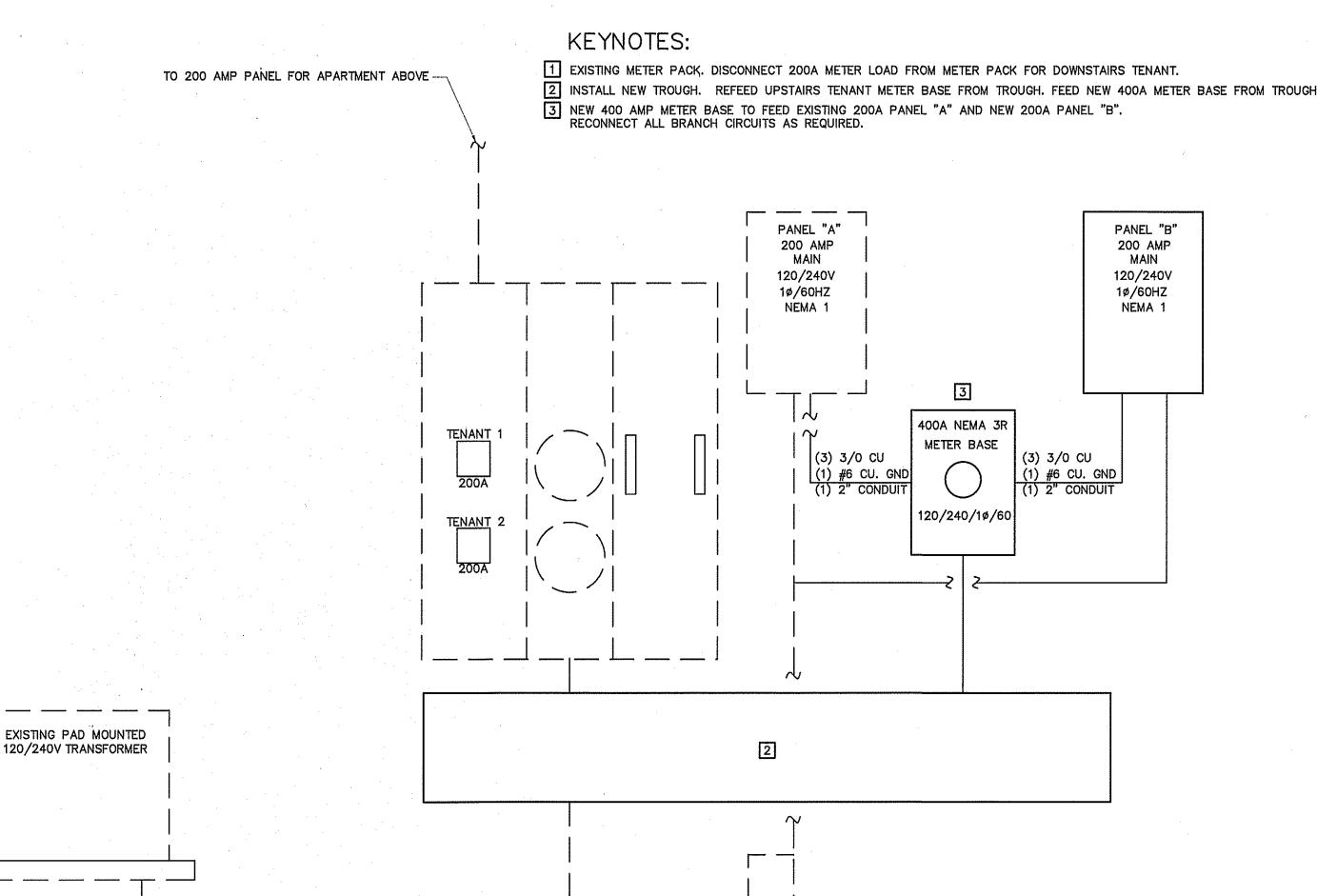


E.C., OWNER, AND G.C. TO VERIFY ALL EQUIPMENT LOCATIONS, SPECIFICATIONS, & REQUIRMENTS BEFORE BEGINNING CONSTRUCTION.

ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"



EXISTING ELECTRICAL RISER DIAGRAM NOT TO SCALE



NEW ELECTRICAL POWER PLAN NOT TO SCALE

EXISTING SCHEDULE:__ NO. OF SPACES 42 MANUFACTURER: <u>SQ. D</u> VOLTS: 120/240 MOUNTING: SURFACE ENCLOSURE: NEMA 1 SHORT CIRCUIT RATING: 10,000

		MAIN	· 🖾		☐ TOP FEED:☐ BOTTOM FEED: ☑ COPPER BUS ☑ GROUND BAR KIT: ☐ NEUTRAL BAR KIT: ☐				,				
L1	L2	CIRCUIT	POLES	TRIP	ASSIGNMENT	P1	IASI	ASSIGNMENT	TRIP	POLES	CIRCUIT	L.1	L2
Х	\times	40	1	20	SPARE	0		SINGLE DOOR SODA COOLE	R 20	1	39	4.2	\times
\geq	7.5	38	1	20	FRONT COUNTER CONV. REC	S.	0	SINGLE DOOR BEER COOLE	R 20	1	37	\geq	4.2
6.6	$\geq \leq$	36	1	20	3 DOOR REF. PREP TABLE	0		ICE CREAM DIPPING COOL	R 20	1	35	5.1	$\geq \leq$
\geq	6.8	34	2	20	PIZZA DOUGH PRESS		0	DISHWASHER	30	2	33	\geq	26.8
6.8	$\geq \leq$	32				0		·			31	26.8	\times
\geq	3.0	30	1	20	PIZZA OVEN AREA RECEPTS	·	0	REAR OVEN WALL RECEPT	S. 20	1	29	\geq	4.5
4.5	$\geq \leq$	28	1	20	PIZZA OVEN AREA RECEPTS	. 0		CONVENIENCE RECEPTACL	Ξ 20	1	27	1.5	$\geq \leq$
$\geq \leq$	4.9	26	1	20	2 DOOR SAND. PREP TABLE		0	2 DOOR REFRIGERATOR	20	1	25	\geq	6.2
8.5	$\geq \leq$	24	1	20	FREEZER	0		REAR RECEPTACLES	20	1	23	9.0	$\geq \leq$
\geq	4.5	22	1	20	UNDER COUNTER FREEZER		0	FRONT STORE LIGHTING	20	1	21	\geq	5.3
2.6	$\geq \leq$	20	1	20	UNDER COUNTER REFRIGERATE	OR O		SIDEWALL RECEPTACLES	20	1	19	3.0	><
\geq	5.0	18	1	20	BUILDING SIGN		0	PIZZA OVEN	20	1	17	\times	2.0
4.8	$\geq \leq$	16	1	20	REAR STORE LIGHTING	0		AHU CONV. RECEPTS.	20	1	15	3.0	\times
\geq	1.0	14	1	20	FRONT EXTERIOR LIGHTS		0	FRONT WALL RECEPTACLE	S 15	1	13	$\geq <$	4.5
5.8	$\geq <$	12	1	20	OVEN HOOD EXHAUST	0		WATER HEATER	30	2	11	18.8	$\geq <$
\geq	Х	10	1	15	SPARE		0				9	$\geq <$	18.8
Х	$\geq <$	8			SPARE	0		SPARE	60	2	7	Х	$\geq <$
	Χ	6	2	60			0				5	\times	Х

0

SEE SCHEDULE

L1 = 111.0 A

L2 = 105.0 A

SCHEDULE:__ MANUFACTURER: SQ. D VERIFY AIC RATING WITH VOLTS: 120/240 UTILITY COMPANY BEFORE ORDERING PANELS. ENCLOSURE: <u>NEMA 1</u> Ø: <u>1</u> SHORT CIRCUIT RATING: __10,000_ ☐ TOP FEED:☐ BOTTOM FEED: ☑ COPPER BUS: ☑ GROUND BAR KIT: ☐ NEUTRAL BAR KIT: ☐

	L1	L2	CIRCUIT	POLES	TRIP	A COLONIA ITALT		ASE	A COLONIA (TALT	TRIP	POLES	CIRCUIT	L1	L2
			CIR		=	ASSIGNMENT	5	[2	ASSIGNMENT	F		띪		
Į	33.4	$\geq \leq$	1	2	60	HEAT PUMP UNIT #1	0		HEAT PUMP UNIT #2	30	3	2	14.8	$\geq \leq$
	> <	33.4	3					0				4	\times	14.8
	40.0	\times	5	2	20	AIR HANDLING UNIT #1	0		AIR HANDLER UNIT #2	45	2	6	32.0	\times
	> <	40.0	7					0				8	\times	32.0
	X	> <	9	1	20	SPARE	0		SPARE	20	1	10	Х	\times
	$\overline{}$	X	11	1	20	SPARE		0	SPARE	20	1	12	\times	Х
ľ	X	\times	13	1	20	SPARE	0		SPARE	20	1	14	Х	\times
	> <	X	15	1	20	SPARE		0	SPARE	20	1	16	\times	Х
Ī	Χ	\times	17	1	20	SPARE	0		SPARE	20	1	18	Х	> <
	> <	Х	19	1	20	SPARE		0	SPARE	20	1	20	> <	Χ
	X	> <	21	1	20	SPARE	0		SPARE	20	1	22	Х	> <
	> <	Х	23	1	20	SPARE		0	SPARE	20	1	24	> <	Χ
	Х	$\supset \subset$	25	1	20	SPARE	0		SPARE	20	1	26	Х	\times
	> <	X	27	1	20	SPARE		0	SPARE	20	1	28	> <	X
	Х	\times	29	1	20	SPARE	0		SPARE	20	1	30	Х	> <
	> <	Х	31	1	20	SPARE		0	SPARE	20	1	32	> <	X
	Х	><	33	1	20	SPARE	0		SPARE	20	1	34	Х	> <
	> <	Х	35	1	20	SPARE		0	SPARE	20	1	36	\times	Х
	Х	><	37	1	20	SPARE	0		SPARE	20	1	38	Х	> <
	> <	X	39	1	20	SPARE		0	SPARE	20	1	40	\times	Х
	Х	$\geq <$	41	1	20	SPARE	0		SPARE	20	1	42	X	> <
_						L1	rin	120.	2 A	-				

L2 = 120.2 A

ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE:

ENERGY CODE: PRESCRIPTIVE 🖾 PERFORMANCE PRESCRIPTIVE ASHRAE 90.1: PERFORMANCE

SPARE

REFER TO DRAWINGS FOR RISER DIAGRAM AND PANEL SCHEDULES

LIGHTING SCHEDULE

WATER HEATER (2)#10CU,1#10CU GND

LAMP TYPE REQUIRED IN FIXTURE:

NUMBER OF LAMPS IN FIXTURE: BALLASTS TYPE USED IN FIXTURE:

NUMBER OF BALLASTS IN FIXTURE:

TOTAL WATTAGE PER FIXTURE:

TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED:

TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED:

ADDITIONAL PRESCRIPTIVE COMPLIANCE 506.2.1 MORE EFFICIENT MECHANICAL EQUIPMENT

506.2.2 REDUCED LIGHTING POWER DENSITY

506.2.3 ENERGY RECOVERY VENTILATION SYSTEMS

506.2.4 HIGHER EFFICENCY SERVICE WATER HEATING □

506.2.5 ON—SITE SUPPLY OF RENEWABLE ENERGY □ 506.2.6 AUTOMATIC DAYLIGHTING CONTROL SYSTEMS □

	FEEDER	SCHEDULE	
UNIT	FEEDERS	FUSED DISCONNECT	CONDUIT
AHU-2	(2)#8CU,(1)#10CU GND	60	3/4"
HP-2	(2)#12CU,(1)#12CU GND	30	3/4"
DISHWASHER	(2)#10CU,1#10CU GND	30	3/4"

ELECTRICAL LOAD CA	ALCULAT	TONS	
1550 SQUARE FEET			<u>VA</u>
NONCONTINUOUS LOA	ADS:		
25 RECEPTACLES @ 180 V 1ST 10000 REMAINDER @ 50% TOTAL	VA EA.	4500	4500 0 4500
CONTINUOUS LOADS: GENERAL LIGHTING LOAD	VA/SQ. F		
1550 SQ, FT. 2325 X 1.25	1.5	2325	2906
AIR HANDLING UNIT			17280
HEAT PUMP UNITS			11568
EQUIPMENT:			19728
25% OF LAF	RGEST MOTO	OR	822
GRAND TOTAL			56804
237 AMPS @ 12	.0/240V, 1	ø, 60HZ)

ELECTRICAL NOTES (GENERAL)

60 2 3 X

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 WIRE 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

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

THROAT.

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. 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.

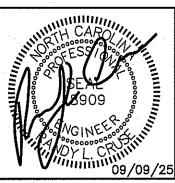
27. INSTALL TELEPHONE OUTLETS WITH 3/4" EMPTY CONDUIT AND PULL CORD. STUB OUT ABOVE CEILING. PHONE SYSTEM INSTALLED BY OWNER. 28. ALL CONDUIT WITHOUT CONDUCTORS SHALL HAVE NYLON PULLCORDS INSTALLED.

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.

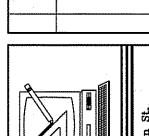
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES FOR PERMITS AND INSPECTIONS. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR ELECTRIC UTILITY CONNECTION FEES AND LINE EXTENSION FEES. 31. ELECTRICAL CONNECTIONS TO EQUIPMENT SUBJECT TO VIBRATION WHICH DEVELOPS OBJECTIONABLE NOISES SHALL BE MADE FROM THE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

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.



REVISIONS



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DATE 09/09/2025 DRAWN BY BAM

JOB NO. 25-20 SHEET NO.