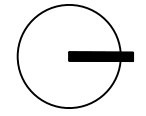
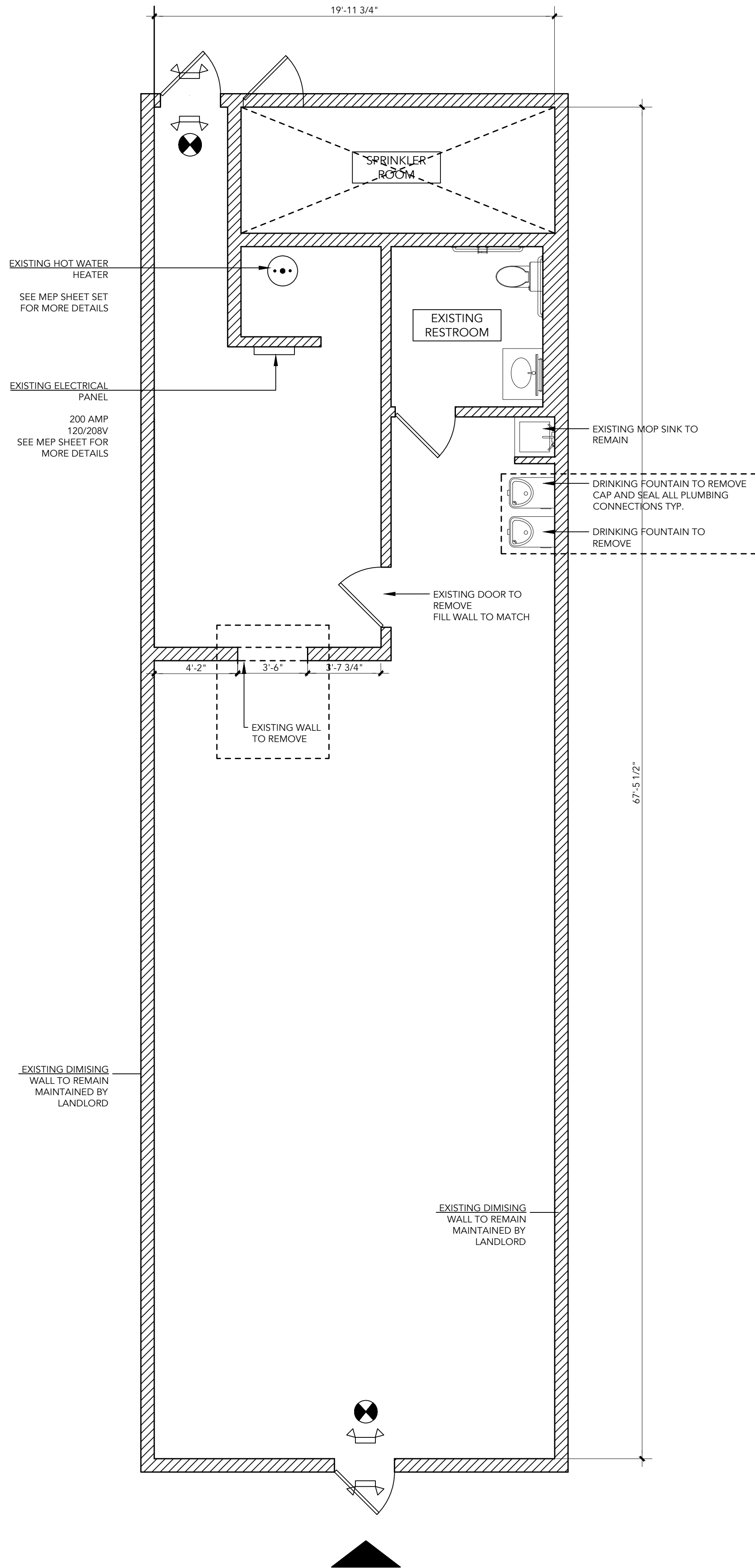


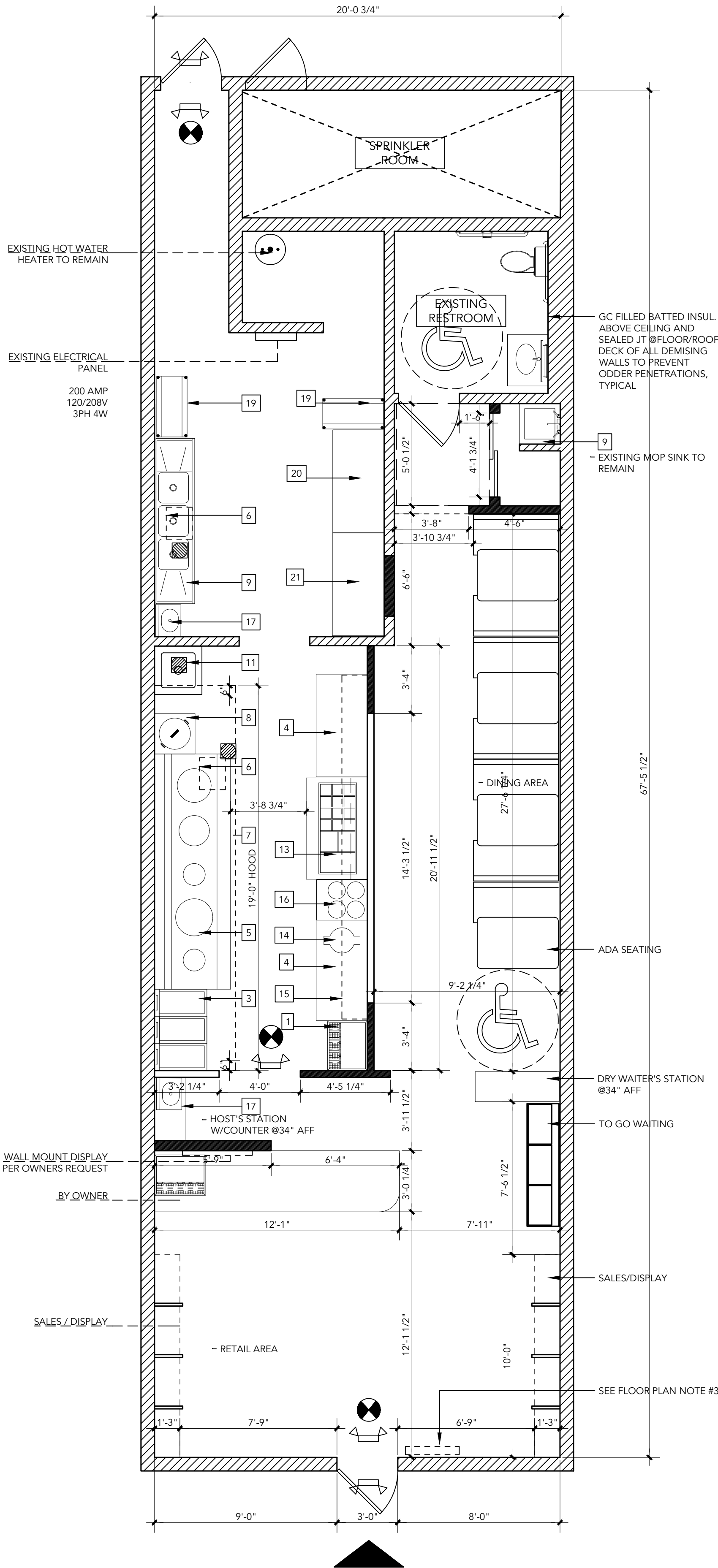
01 EXISTING / DEMO FLOOR PLAN

SCALE: $\frac{1}{4}" = 1'-0"$



02 PROPOSED FLOOR PLAN

SCALE: $\frac{1}{4}" = 1'-0"$



03 FLOOR PLAN NOTES

- GC TO FIELD VERIFY ALL EXISTING CONDITIONS. REPORT TO ARCHITECT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITION.
- ALL NEW WALLS TO BE TYPE W1/W2 UNLESS NOTED OTHERWISE.
- PROVIDE FIRE BLOCKING IN CONCEALED SPACES OF STUD WALLS, INCLUDING FURRED SPACES, AT 10' INTERVALS BOTH VERTICALLY AND HORIZONTALLY.
- FOR DOOR AND FINISH SCHEDULE SEE SHEET A102
- SIGN BY THE EXIT DOOR: "THIS DOOR SHALL REMAIN UNLOCKED DURING THE BUSINESS HOURS".
- ALL SELF-SERVE COUNTERS TO BE 34" AFF.
- INTERIOR FINISHES SHALL COMPLY WITH SECTION 803.1 FLAME SPREAD PROVISION.
- PROVIDE ALL NECESSARY CEILING OR WALL ACCESS PANELS AS REQUIRED
- FOR AIR CONDITIONING, PLUMBING, FIRE SPRINKLER AND ELECTRICAL SYSTEMS. IN FIRE RATED ASSEMBLIES PROVIDE RATED ACCESS PANELS WITH SELF CLOSING DEVICES.
- PROVIDE EXIT SIGNS CONNECTED TO A SOURCE OF EMERGENCY BACKUP POWER.
- THE TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD NONABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CERAMIC TILE OR OTHER APPROVED MATERIAL THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 4" (1210.2.1)
- CEMENT, FIBER CEMENT OR GLASS MAT GYPSUM BACKERS IN COMPLIANCE WITH ASTM C1178, C1288 OR C1325 SHALL BE USED AS A BASE FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL AND CEILING PANELS IN SHOWER AREAS. WATER RESISTANCE GYPSUM BACKING BOARD SHALL BE USED AS A BASE FOR TILE IN WATER CLOSET COMPARTMENT WALLS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840. REGULAR GYPSUM WALLBOARD IS PERMITTED UNDER TILE OR WALL PANELS IN OTHER WALL AND CEILING AREAS WHEN INSTALLED IN ACCORDANCE WITH GA-216 OR ASTM C840. WATER-RESISTANT GYPSUM BOARD SHALL NOT BE USED IN THE FOLLOWING LOCATIONS: SECTION 2506.1 A. OVER A VAPOR RETARDER. B. IN AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY, SUCH AS SAUNAS, STEAM ROOMS OR GANG SHOWER ROOMS C. ON CEILINGS WHERE FRAME SPACING EXCEEDS 12 INCHES O.C. FOR 1/2 INCH THICK AND MORE THAN 16 INCHES O.C. FOR 5/8 INCH THICK.

04 WALL ASSEMBLY

TAG	DESCRIPTION	W1	W2
W1	INTERIOR PARTITION STEEL STUDS @ 16" O.C. 3 #4 SHEETROCK FIRECODE BOTH SIDES, TO EXISTING CEILING HEIGHT.		
W2	PARTIAL PARTITIONS SIMILAR TO W1 TOP OF WALL CAPPED @ VARIOUS HEIGHT PER OWNER'S REQUEST		

05 EQUIPMENT LIST

NO	DESCRIPTION
1	SODA REF.
3	DEEP FRYER
4	WORK TABLE
5	CHINESE STOVE
6	GREASE TRAP
7	EXHAUST HOOD
8	RICE COOKER
9	3 COMP SINK
10	WORK TABLE
11	FOOD SINK
13	BAN MARIE
14	RICE WARMER
15	DOUBLE DECK SHELF
16	FOOD WARMER
17	HAND SINK
18	MOP SINK EXIST TO REMAIN
19	WIRE SHELVES
20	COOLER
21	FREEZER

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ARCHITECT,
LLC

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CORNERSTONEARCHITECTLLC@GMAIL.COM

PROJECT:

DRAGON J

204 NW OLDHAM
PWKY LEE SUMMIT, MO
64081



SHEET INDEX:

T	TITLE PAGE
A101	EXISTING/DEMO FLOOR PLAN
E200	PROPOSED FLOOR PLAN
E300	SCHEDULES
MP200	POWER & LIGHTING PLAN
MP300	LIGHTING SCHEDULE & ELECTRICAL NOTES
MP301	PLUMBING & MECHANICAL FLOOR PLAN
MP302	PLUMBING & MECHANICAL DETAILS
MP303	PLUMBING & MECHANICAL DETAILS CONT'

CONSULTANTS:

M/E/P:

GLADFELTER ENGINEERING GROUP
10233 MILLSTONE DRIVE, #4111
LENEXA, KANSAS
66220
TEL: 816-916-4675
EMAIL: GPG@AECONSORT.COM

ISSUE PACKAGE:

NO: DATE

OWNER:

CONTACT:

DRAWN BY: JRK

CHECKED BY: YJK

PROJECT: TO-GO

PLOT DATE 11/11/2024

DRAWING

PROPOSED
FLOOR PLAN

SCALE $\frac{1}{4}" = 1'-0"$

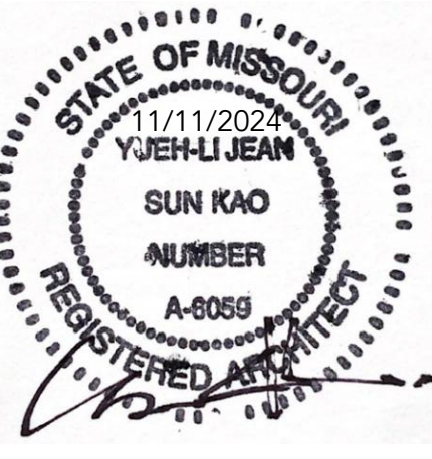
SHEET NUMBER

A101

PROJECT:

DRAGON J

204 NW OLDHAM
PWKY LEE SUMMIT, MO
64081



SHEET INDEX:

T	TITLE PAGE
A101	EXISTING/DEMO FLOOR PLAN
E200	PROPOSED FLOOR PLAN
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MP200	POWER & LIGHTING PLAN
MP300	LIGHTING SCHEDULE & ELECTRICAL NOTES
MP301	PLUMBING & MECHANICAL FLOOR PLAN
	PLUMBING & MECHANICAL DETAILS
	PLUMBING & MECHAANICAL DETAILS CONT'

CONSULTANTS:

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GLADFELTER ENGINEERING GROUP
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ISSUE PACKAGE:

NO:	DATE

OWNER:	
CONTACT:	
DRAWN BY:	JRK
CHECKED BY:	YJK
PROJECT:	TO-GO

PLOT DATE	11/11/2024
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DRAWING

SCHEDULES

SCALE 1/4" = 1'-0"

SHEET NUMBER

A102

01 EQUIPMENT SCHEDULE

NO	DESCRIPTION	MODEL	MANUFACTURER	CONNECTIONS							GAS	
				NSF	AGA	UL	VOLTS	AMPS	HP	KW	BTU	SIZE
1	SODA REF.	T23	TRUE	X		X	115	6.50000	1 / 3	1		
3	DEEP FRYER	PER OWNER	PITCO	X							1 / 2	110K X3
4	WORK TABLE	PER OWNER		X	X							
5	CHINESE STOVE	WR-500 BY OWNER			X	X					1.50000	100,000 X6
6	GREASE TRAP	PER PLUMBING SHEET										
7	EXHAUST HOOD	19" TYPE 1	WIN	X		X						
8	RICE COOKER	BY OWNER	GREAT CHINA	X	X						1 / 2	20,000
9	3 COMP SINK	BY OWNER	EAGLE	X								
10	WORK TABLE	BY OWNER	ADVANCE TABCO									
11	FOOD SINK	BY OWNER	EAGLE	X								
13	BAN MARIE	BY OWNER	BEVERAGE AIR	X			115	8.50000	1 / 4	1		
14	RICE WARMER	BY OWNER	TARHONG	X		X	115	77 W		1		
15	DOUBLE DECK SHELF	20" X 13"	WIN	X								
16	FOOD WARMER	TABLE TOP	WIN	X		X	115	6.5	1 / 3	1		
17	HAND SINK	HSA-10-F	EAGLE									
18	MOP SINK EXIST TO REMAIN	1818-1	EAGLE	X								
19	WIRE SHELVES	1872Z	EAGLE	X								
20	COOLER	5'-0"	BEVERAGE-AIR	X		X	115	8.5	1 / 4	1		
21	FREEZER	5'-0"	BEVERAGE AIR	X		X	116	8.5	1 / 4	2		

- NOTE:
- "BY OWNER": EQUIPMENT PROVIDE BY OWNER AND INSTALL BY GC PER MANUFACTURE'S INSTRUCTION WITH SUFFICIENT POWER IN ACCORDANCE WITH THE LATEST ADOPTED CODE.
 - ALL EQUIPMENT SHALL BE N.S.F. ETL, UL AND/OR CSA/CSA STAR CERTIFY, AND MUST FINALIZED WITH THE OWNER PRIOR TO INSTALLATION. INSTALL PER MANUFACTURE'S MENU.
 - PRIOR TO INSTALLATION, CONTRACTOR SHALL VERIFIED WITH OWNER TO FINALIZE ALL KITCHEN EQUIPMENT FOR ALL NECESSARY INFORMATION, SUCH AS LOCATION, CAPACITY, CONNECTION REQUIREMENT.
 - HOT WATER HEATER EXISTING : GS6-40-BCT 400 , GAS FIRED CONDENSING TYPE, 40 GAL. STORAGE, 40000 BTU INPUT, 42 GPH RECOVERY @ 90 DEGREE F RISE, MAIN AND PILOT AUTOMATIC GAS VALVES, 120 VOLT, VENT TERMINAL KIT, TEMPERATURE AND PRESSURE RELIEF VALVE. PROVID AS REQUIRED HOT WATER EXPANSION TANK: AMTROL, #ST-12, 4.4 GAL EXPANSION TANK WITH DIAPHRAGM.

02 DOOR SCHEDULE

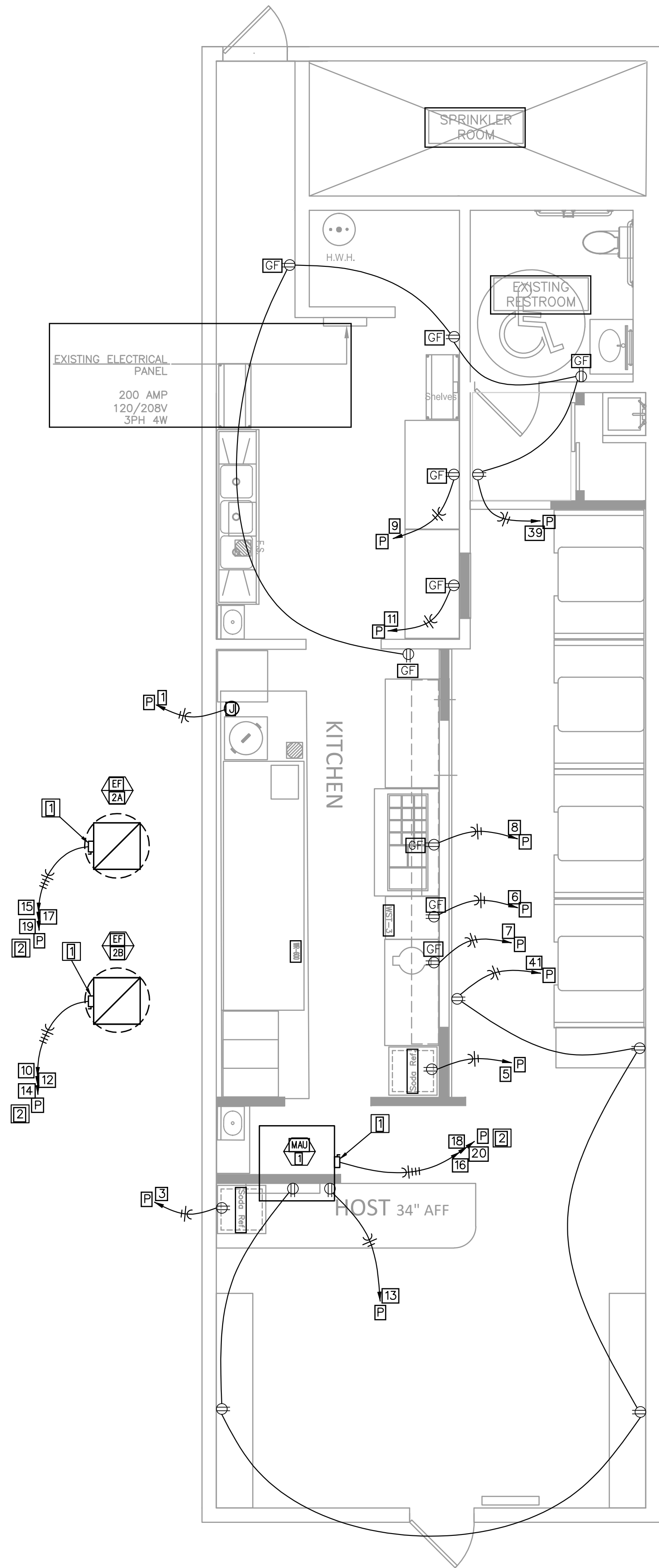
ROOM NAME	FLOOR	CEILING	WALL
DINING	CERAMIC TILE WITH MATCHING COVE BASE	GYPSUM BOARD WITH 2 COATS OF GLOSSY PAINT	2-COATS OF WASHABLE PAINT
RESTROOM	CERAMIC TILE WITH MATCHING COVE BASE	VINYL COATED CT	CERAMIC TILE FLOOR TO CEILING
KITCHEN	CERAMIC TILE WITH MATCHING COVE BASE	2x2 LAY-IN CEILING TILE, GENESIS: SMOOTH PRO OR EQUAL	STAINLESS STEEL OR FRP

03 INTERIOR FINISH SCHEDULE

DOOR LOCATION	MATERIAL	SIZE	REMARKS
			HEAVY DUTY COMMERCIAL, ANSI, ADA
EXISTING FRONT EXTERIOR DOOR	EXISTING STORE FRONT ALUMINUM	3'-0" X 7'-0"	TIGHT FITTING, CLOSER
EXISTING RESTROOM DOOR	WOOD-SC, METAL FRAME, PREHUNG	3'-0" X 6'-8"	CLOSER, TIGHT FITTING, PRIVACY LOCK SET
EXISTING REAR EXTERIOR DOOR	HOLLOW MTL DR/FRAME, PREHUNG	3'-0" X 7'-0"	TIGHT FITTING CLOSER, EXISTING LOCKS TO REMAIN

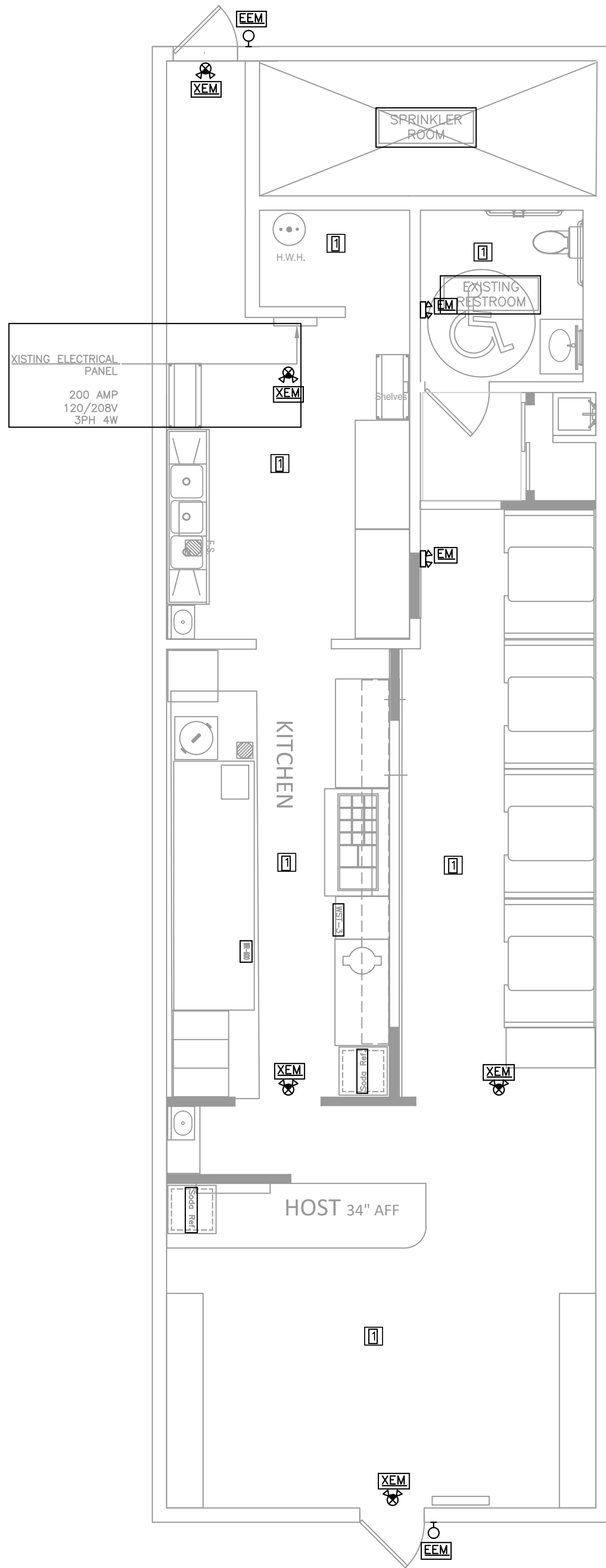
- NOTES:
- LATCH SIDE CLEARANCES AT ALL DOORWAYS SHALL BE IN ACCORDANCE W/ A 117.1 AND IN COMPLIANCE WITH IBC 2018 1008 AND 1010.1.99
 - ALL EXITS TO BE LABELED.
 - INTERIOR TO BE LABELED AS TO INTENDED USE.
 - PANIC HARDWARE ON ALL EXTERIOR DOORS
 - THE OPERATING DEVICE ON ALL DOORS SHALL BE CAPABLE OF OPERATION WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.
 - LANDING SHALL BE PROVIDED AT EVERY REQUIRED EXIT AND THEY SHALL BE A MINIMUM OF 36 INCHES IN WIDTH AND 44 INCHES LONG IN THE DIRECTION OF TRAVEL.

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POWER PLAN

1/4" = 1'-0"



LIGHTING PLAN

1/4" = 1'-0"



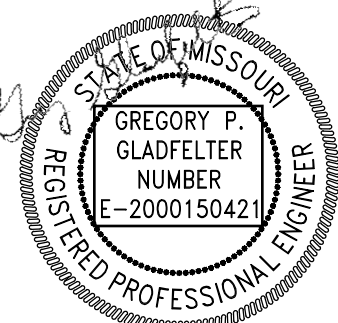
POWER PLAN NOTES

- 20-AMP, 3-POLE NEMA 3R DISCONNECT SWITCH.
- 3/4" C WITH FOUR (4) #12 CU AND ONE (1) #12 CU G.

LIGHTING PLAN NOTES

- EXISTING LIGHTING SHALL REMAIN AS CURRENTLY INSTALLED EXCEPT REPOSITION LAY-IN LIGHT FIXTURES TO ACCOMMODATE WALLS BEING ADDED. INSTALL SWITCHING AS DIRECTED BY THE OWNER.

Gladfelter Engineering Group assumes design responsibility for this project for only the mechanical, plumbing and electrical disciplines with drawing sheet number beginning with M, P and E. All other drawings should be considered the work of others. Further, drawings in this project set may contain drawing information, including but not limited to: architectural plans, sections and elevations, site plans and surveys and other information pertinent to showing the mechanical, plumbing and electrical work which is furnished by others, generally indicated by screened or light type. Gladfelter Engineering Group assumes no responsibility or liability for the accuracy or regulatory compliance for work prepared by others even though shown on MPE drawings. Gladfelter Engineering Group assumes responsibility only for the design of mechanical, plumbing and electrical disciplines contained herein, generally indicated in bold type.



11/07/2024

DRAGON J
204 NW OLDHAM PKWY
LEE'S SUMMIT, MO

Engineering Group

Gladfelter

Date: 11/07/24 Issued for: PERMIT

Project number: 24-242

Drawn: JEE/SWB/GPG

Date: 2024/11/07

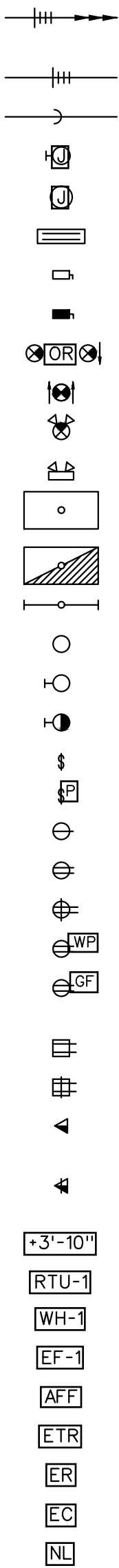
Sheet Number:

E200

PANEL	<u>1</u>	<u>208</u>	VOLTS	<input checked="" type="checkbox"/> 200	A BUS	<input checked="" type="checkbox"/> SERVICE ENTRANCE					
<u>1</u>	<u>2</u>	<u>3</u>	PHASE	<input type="checkbox"/> A	MAIN BREAKER	<input type="checkbox"/> FEED THRU LUGS					
SECTION <u>1</u> OF <u>1</u>		<u>4</u>	WIRE	<input checked="" type="checkbox"/> MAIN LUGS ONLY		<input type="checkbox"/> SUBFEED LUGS					
CIRC. NO.	CIRCUIT DESCRIPTION	CIRC. BRKR. (AMPS)	POLES	VA	Ø	CIRC. NO.	CIRCUIT DESCRIPTION	CIRC. BRKR. (AMPS)	POLES	VA	
<u>1</u>	<u>HOOD</u>	<u>20</u>	<u>1</u>	<u>800</u>	<u>A</u>	<u>2</u>	<u>LIGHTING</u>	<u>20</u>	<u>1</u>	<u>1000</u>	
<u>3</u>	<u>SODA REFRIGERATOR</u>	<u>20</u>	<u>1</u>	<u>800</u>	<u>B</u>	<u>4</u>	<u>EM LIGHTING</u>	<u>20</u>	<u>1</u>	<u>600</u>	
<u>9</u>	<u>SODA REFRIGERATOR</u>	<u>20</u>	<u>1</u>	<u>800</u>	<u>C</u>	<u>6</u>	<u>FOOD WARMER</u>	<u>20</u>	<u>1</u>	<u>800</u>	
<u>7</u>	<u>RICE WARMER</u>	<u>20</u>	<u>1</u>	<u>1000</u>	<u>A</u>	<u>8</u>	<u>BAIN MARIE</u>	<u>20</u>	<u>1</u>	<u>1000</u>	
<u>9</u>	<u>FREEZER</u>	<u>20</u>	<u>1</u>	<u>1000</u>	<u>B</u>	<u>10</u>	<u>MAU-1</u>			<u>792</u>	
<u>11</u>	<u>COOLER</u>	<u>20</u>	<u>1</u>	<u>1000</u>	<u>C</u>	<u>12</u>		<u>EF-2B</u>	<u>20</u>	<u>3</u>	<u>792</u>
<u>13</u>	<u>POS</u>	<u>20</u>	<u>1</u>	<u>800</u>	<u>A</u>	<u>14</u>					<u>792</u>
<u>15</u>				<u>792</u>	<u>B</u>	<u>16</u>					<u>1272</u>
<u>17</u>	<u>EF-2A</u>	<u>20</u>	<u>3</u>	<u>792</u>	<u>C</u>	<u>18</u>		<u>20</u>	<u>3</u>	<u>1272</u>	
<u>19</u>				<u>792</u>	<u>A</u>	<u>20</u>				<u>1272</u>	
<u>21</u>	<u>RECEPTACLES</u>	<u>20</u>	<u>1</u>	<u>900</u>	<u>B</u>	<u>22</u>	<u>EXISTING RTU</u>			<u>4160</u>	
<u>23</u>	<u>RECEPTACLES</u>	<u>20</u>	<u>1</u>	<u>900</u>	<u>C</u>	<u>24</u>		<u>45</u>	<u>2</u>	<u>4160</u>	
TOTAL CONNECTED LOAD				DEMAND FACTORS:						NEUTRAL BUS	
<input type="checkbox"/> VA				LIGHTS <input type="checkbox"/> 125		2000		VA		100 [2]	
				RECEPTS <input type="checkbox"/> 100		1800		VA		POWER FACTOR	
<input type="checkbox"/> SURFACE MOUNTED				RECEPTS <input type="checkbox"/> 50				VA		100 [2]	
<input type="checkbox"/> FLUSH MOUNTED				OTHER <input type="checkbox"/> 100		24888		VA		DEMAND CURRENT	
				TOTAL DEMAND LOAD <input type="checkbox"/>		28688		VA		79.8 AMPS	
NOTES:											
1. CONTRACTOR SHALL COORDINATE POWER WITH EQUIPMENT PROVIDED.											
2. PANEL IS EXISTING.											

LIGHT FIXTURE SCHEDULE			
TYPE	MANUFACTURER	LAMP	VOLTS WATTS
EM	EXITRONIX #LED90	(2) LED HEADS WITH UNIT	120 10
EEM	EXITRONIX #MLED	WEATHERPROOF LED REMOTE	6 8
XEM	EXITRONIX #VLED-1-WH-EL90-R	RED LED AND (2) LED HEADS WITH UNIT	120 15
X	EXITRONIX #VEX-U-BP-WB-WH-120	RED LED WITH UNIT	120 5
X2	EXITRONIX #VEX-U/2-BP-WB-WH-120	RED LED WITH UNIT	120 5
NOTES:			
1	TYPE 'X' AND/OR 'XEM' FIXTURES SHALL HAVE 12 WATTS OF REMOTE CAPACITY AND POWER TYPE 'EEM'.		

ELECTRICAL SYMBOLS



BRANCH CIRCUIT CONCEALED IN CEILING OR WALL. ARROWS INDICATE HOMERUNS TO PANEL. ALL CONDUCTORS ARE #12 EXCEPT AS NOTED.

CONDUIT RUN UNDERGROUND OR BENEATH FLOOR SLAB.

GROUNDING CONDUCTOR #12 EXCEPT AS NOTED.

WALL MOUNTED JUNCTION BOX.

CEILING MOUNTED JUNCTION BOX.

PANELBOARD (SURFACE MOUNTED).

DISCONNECT SWITCH, SIZED AS NOTED.

DISCONNECT SWITCH FURNISHED WITH EQUIPMENT.

EXIT LIGHT - SINGLE FACE - ARROWS AS SHOWN.

EXIT LIGHT - DOUBLE FACE - ARROWS AS SHOWN.

COMBINATION EXIT/EMERGENCY LIGHT FIXTURE WITH (2) HEADS.

CEILING OR WALL MOUNTED EMERGENCY LIGHTING UNIT WITH (2) HEADS.

FLUORESCENT LIGHT FIXTURE.

FLUORESCENT NIGHT LIGHT FIXTURE, FIXTURE SHALL BE ON 24/7.

FLUORESCENT STRIP FIXTURE.

CEILING LIGHT FIXTURE.

WALL MOUNTED LIGHT FIXTURE.

REMOTE WEATHERPROOF EMERGENCY LIGHT FIXTURE.

SINGLE POLE SWITCH, +3'-10" AFF.

SWITCH AND PILOT LIGHT, +3'-10" AFF.

SINGLE RECEPTACLE, +1'-6" AFF OR AS NOTED.

DUPLEX RECEPTACLE, +1'-6" AFF OR AS NOTED.

DUPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.

DUPLEX RECEPTACLE WITH WEATHERPROOF PLATE, HEIGHT AS NOTED.

DUPLEX RECEPTACLE W/GROUND FAULT PROTECTION, +1'-6" AFF OR AS NOTED.

FOURLEX RECEPTACLE, +1'-6" AFF OR AS NOTED.

FOURPLEX RECEPTACLE INSTALLED ABOVE COUNTERTOP.

COMBINATION VOICE/DATA OUTLET WITH 3/4" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING, +1'-6" AFF OR AS NOTED.

COMBINATION VOICE/DATA OUTLET WITH 3/4" CONDUIT STUBBED UP OUT OF BOX TO ABOVE ACCESSIBLE CEILING, INSTALLED ABOVE COUNTERTOP.

HEIGHT TO CENTERLINE OF OUTLET BOX ABOVE FINISHED FLOOR.

ROOF TOP UNIT AND NUMBER.

ELECTRIC WATER HEATER AND NUMBER.

EXHAUST FAN AND NUMBER.

ABOVE FINISH FLOOR.

EXISTING TO REMAIN.

EXISTING RELOCATED.

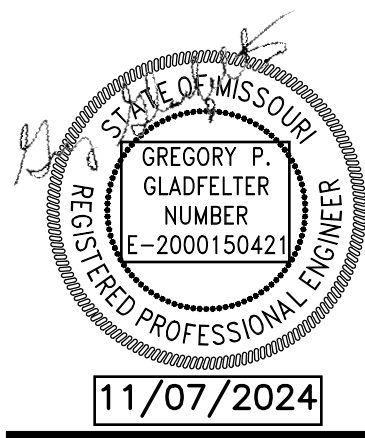
ELECTRICAL CONTRACTOR.

NIGHT LIGHT, FIXTURE SHALL BE ON 24/7.

ELECTRICAL GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE INSTALLATION REQUIREMENTS AND SCHEDULING OF ALL WORK WITH BUILDING REPRESENTATIVE AND GENERAL CONTRACTOR.
 2. INSTALLATION SHALL COMPLY WITH 2013 EDITION OF N.E.C. AND LOCAL AUTHORITY HAVING JURISDICTION.
 3. CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN MUNICIPALITY WHERE PROJECT IS LOCATED.
 4. ALL WIRING SHALL BE INSTALLED IN CONDUIT. EMT CONDUIT WITH SET SCREW FITTINGS MAY BE UTILIZED WHERE PERMITTED BY CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
 5. CONDUIT INSTALLED IN AREAS OF BUILDINGS OR PORTIONS OF BUILDINGS WHERE MEDICAL CARE IS PROVIDED SHALL BE MEDICAL GRADE CONDUIT AND THE INSTALLATION SHALL CONFORM WITH CHAPTER 517 OF THE NEC (HEALTH CARE FACILITIES).
 6. ALL WIRING SHALL BE COPPER WITH 600 VOLT INSULATION AND COLOR CODED.
 7. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMIT AND INSPECTION FEES.
 8. MC CABLE MAY BE INSTALLED WHERE PERMITTED BY CODE CONCEALED IN WALLS AND FOR CONNECTIONS TO LIGHT FIXTURES (MAXIMUM LENGTH 6'-0"). CONDUCTORS SHALL BE MINIMUM #12 GAUGE AND COPPER. MC CABLE SHALL NOT BE USED FOR HOMERUNS.
 9. INSTALL BLANK COVER PLATE ON ALL PULL BOXES AND JUNCTION BOXES.
 10. TYPEWRITTEN PANELBOARD DIRECTORY SHALL BE PROVIDED FOR PANELBOARD AND CORRECTLY FILLED OUT.
 11. CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL WORK WITH ALL OTHER TRADES INVOLVED WITH CONSTRUCTION OF PROJECT.
 12. ALL WIRING DEVICES SHALL BE RATED 20 AMP, OR AS NOTED.
 13. ALL NEW BRANCH CIRCUIT CONDUITS SHALL BE INSTALLED CONCEALED ABOVE LAY-IN CEILING OR IN WALLS.
 14. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTING OF ALL CONDUITS TO NEW EQUIPMENT.
 15. VOICE/DATA AND THERMOSTAT OUTLET BOXES SHALL BE PROVIDED AND INSTALLED WITH 3/4" CONDUIT STUBBED UP OUT TOP OF BOX TO ABOVE ACCESSIBLE CEILING. PROVIDE BUSHING ON END OF CONDUIT.
 16. VOICE/DATA SYSTEMS, ASSOCIATED WIRING, AND DEVICES TO BE PROVIDED BY OWNER.
 17. DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE, NEMA 1 FOR INDOOR AND NEMA 3R FOR OUTDOOR INSTALLATIONS. MANUFACTURED BY SQUARE D, ITE/SIEMENS, GE, OR CUTLER-HAMMER.
 18. FURNISH MATERIALS AND LABOR FOR A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION.
 19. MATERIAL AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE 'UL' LABELS AS REQUIRED.
 20. PROVIDE LIGHT FIXTURES AS SCHEDULED OR SELECTED BY OWNER WITH ALL REQUIRED TRIM AND ACCESSORIES FOR A COMPLETE WORKING AND CODE COMPLIANT INSTALLATION. REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATION OF THE FIXTURES.
 21. ALL LIGHT FIXTURES AND DEVICES MOUNTED IN CEILING SHALL BE BRACED TO RESIST SEISMIC FORCES IN ACCORDANCE WITH IBC, NEC, AND LOCAL AUTHORITY HAVING JURISDICTION.
 22. PROVIDE A FACTORY INSTALLED MAXIMUM WATTAGE LABEL ON ALL MEDIUM SCREW BASE LIGHT FIXTURES THAT CORRESPONDS TO THE MAXIMUM WATTAGE OF THE LIGHT FIXTURE LISTED IN THE LIGHT FIXTURE SCHEDULE.
 23. EMERGENCY AND EXIT LIGHT FIXTURES SHALL BE PROVIDED WITH BATTERY BACK-UP FOR MINIMUM OF (90) MINUTES. EMERGENCY AND EXIT LIGHT FIXTURES SHALL BE CONNECTED TO HOT LEG OF CIRCUIT, NOT SWITCHED.
 24. E.C. SHALL VERIFY RATINGS, LOCATIONS, AND CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS AND INSTALLED AND/OR CONNECTED BY THE ELECTRICAL CONTRACTOR.
 25. E.C. SHALL VERIFY ALL CONDITIONS PRIOR TO ANY ROUGH-IN.
 26. ALL CHANGES BY E.C. TO ITEMS SPECIFIED ON DRAWINGS MUST BE APPROVED IN WRITING BY ENGINEER/ARCHITECT OR OWNER AT LEAST (10) TEN DAYS PRIOR TO PROJECT BID DATE.
 27. E.C. SHALL PROVIDE AND INSTALL SMOKE AND FIRE STOPS AT ALL CONDUIT PENETRATIONS OF SMOKE AND FIRE-RATED WALLS AND CEILINGS.
 28. CAULK AND SEAL ALL RACEWAY PENETRATIONS OF EXTERIOR OR DEMISING WALLS.
 29. THE CONTRACTOR SHALL TAKE CARE TO MAINTAIN THE INTEGRITY OF ALL FIRE RATED AND SOUND RATED ASSEMBLIES.
 30. E.C. SHALL COORDINATE LOCATIONS OF ALL DEVICES, SUCH AS LIGHT SWITCHES, CONVENIENCE RECEPTACLES, TELEVISION OUTLETS, AND TELEPHONE OUTLETS WITH ARCHITECTURAL DRAWINGS PRIOR TO ANY ROUGH-IN.
 31. DUCT SMOKE DETECTOR SHALL BE 120 VOLT, PHOTO-ELECTRIC WITH SAMPLING TUBES - INSTALLED IN RETURN AIR DUCT OF HVAC UNIT(S). PROVIDE WITH MIN-ALERT SOUNDER, STROBE AND REMOTE TEST/RESET STATION. WIRE DETECTORS SO THAT UPON SENSING SMOKE HVAC UNIT FAN(S) AUTOMATICALLY SHUTS DOWN AND SOUNDER/STROBE IS ACTIVATED. WHERE MULTIPLE HVAC UNIT FANS SHARE A COMMON RETURN AIR PLENUM IN EXCESS OF 2,000 CFM CAPACITY, ALL FAN SHALL AUTOMATICALLY SHUT DOWN UPON DETECTION OF SMOKE AT ANY SINGLE SMOKE DETECTOR (INCLUDING VAV BOX FANS OR OTHER FANS ASSOCIATED WITH THE PLENUM). PROVIDE ALL RELAYS AND ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION. EQUIPMENT SHALL BE BY EDWARDS, SIMPLEX, PYROTRONICS, OR NOTIFIER.
 32. NEW CIRCUIT BREAKERS INSTALLED IN EXISTING PANELBOARD SHALL MATE/MATCH PANEL CONSTRUCTION AND AIC RATING.
 33. THE COMPONENTS OF THE ELECTRICAL SYSTEM SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE THEREOF EITHER FOR BENEFICIAL USE OR FINAL ACCEPTANCE, WHICHEVER IS EARLIER, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP.
 34. FIRE ALARM SYSTEM ADDITIONS TO THE TENANT SPACE FOR THIS FACILITY SHALL BE DESIGN/BUILD. SUCCESSFUL FIRE ALARM CONTRACTOR SHALL PROVIDE COMPLETE FIRE ALARM SYSTEM DOCUMENTS INCLUDING DRAWINGS, DETAILS AND SPECIFICATION DATA SHEETS SEALED BY A LICENSED ENGINEER FOR REVIEW AND SUBMIT TO THE CITY FOR PERMIT. INSTALLATION SHALL COMPLY WITH NFPA 72, ALL LOCAL BUILDING CODES AND AUTHORITY HAVING JURISDICTION. ALL COMPONENTS SHALL MATE/MATCH THE EXISTING SYSTEM. WIRING SHALL BE PER MANUFACTURERS REQUIREMENTS.

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204 NW OLDHAM PKWY
LEE'S SUMMIT, MO

Engineering Group

Gladfilter

Date:	Issued for
11/07/24	PERMIT

Project number: 24-242

Drawn: JEE/SWB/GPG

Date: 2024/11/07

Sheet Number:

E300



1. 20"x14" EXHAUST DUCT DOWN TO TYPE 1 HOOD.
2. 24"x10" MAKE-UP AIR DUCT DOWN TO TYPE 1 HOOD.
3. 22"x19" MAKE-UP AIR DUCT UP THRU ROOF TO MAU-1.
4. 26"x26" EXHAUST DUCT UP THRU ROOF TO EF-2.
5. TYPE 1 HOOD.
6. EXTEND TO EXISTING SHEET METAL SUPPLY AIR DUCT AND MAKE CONNECTION WITH SPIN COLLAR/VOLUME DAMPER.
7. HVAC IN BATHROOM SHALL REMAIN AS CURRENTLY INSTALLED EXCEPT AS NOTED.

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| 1. | NEW W PIPING AS INDICATED. |
| 2. | EXTEND W PIPING TO NEAREST W OR S PIPING THE SAME SIZE OR LARGER. |
| 3. | 2" W DOWN, 1-1/2" V UP TO ABOVE CEILING. |
| 4. | EXTEND VENT PIPING TO NEAREST VENT PIPING OF SAME SIZE OR LARGER. |
| 5. | EXTEND 1/2" CW AND HW FROM EXISTING CW OR HW PIPING OF THE SAME SIZE OR LARGER. |
| 6. | EXTEND 3/4" HW TO CHINESE STOVE FROM EXISTING HW PIPING 3/4" OR LARGER. |
| 7. | SEE GREASE WASTE RISER DIAGRAMS, SHEET MP300, FOR CONFIGURATION OF INDIRECT WASTE PIPING FROM SINKS OR WOK. |
| 8. | 2" NG PIPING DOWN. SEE "GAS RISER DIAGRAM", SHEET MP301, FOR CONTINUATION. |
| 9. | EXISTING MOP SINK SHALL REMAIN. |
| 10. | PLUMBING AT EXISTING RESTROOM AND WATER HEATER SHALL REMAIN AS CURRENTLY INSTALLED. |

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| | COORDINATE LOCATION OF CEILING DIFFUSERS AND RETURN GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN. |
| B) | CONTRACTOR SHALL INSURE THAT A PROPER RETURN AIR PATH EXISTS FROM EACH SPACE, WHERE NOT OTHERWISE INDICATED AND IN RETURN AIR PLENUM APPLICATIONS, PROVIDE UNRANGED RETURN AIR OPENINGS ABOVE CEILING LEVEL, THRU WALLS TO STRUCTURE, SO THAT RETURN AIR VELOCITY AND PRESSURE DROP DOES NOT EXCEED 1000 FPM AND 0.065"WG/100' RESPECTIVELY. |
| C) | CONFIRM THAT NO COMBUSTIBLE MATERIALS ARE LOCATED IN CEILING RETURN AIR PLENUMS. |
| D) | ROOF MOUNTED EQUIPMENT SHALL BE LOCATED NO CLOSER THAN 10'-0" FROM THE EDGE OF THE ROOF. |
| E) | MAINTAIN 10'-0" SEPARATION FOR OUTSIDE AIR INTAKES AND EXHAUST FAN OUTLETS AND PLUMBING VENTS. |
| F) | TEMPERATURE CONTROL INCLUDES ALL CONTROL WIRING FOR COMPLETE OPERATION OF ROOFTOP UNITS BY MECHANICAL CONTRACTOR ACCORDING TO THE FOLLOWING SEQUENCE OF OPERATIONS: |
| | RTU SEQUENCE OF CONTROL: |
| | PROVIDE A WALL MOUNTED 7-DAY HEATING/COOLING THERMOSTAT FOR EACH ROOFTOP UNIT INSTALLED IN A LOCATION APPROVED BY THE OWNER. INSTALL TAMPERPROOF COVER. |
| | DAY OPERATION - THE TIMELOCK OR MANUAL OVERRIDE FUNCTION SHALL AUTOMATICALLY ACTIVATE THE SYSTEM TO THE "OCCUPIED" OR "DAY" MODE. THE SYSTEM SHALL HEAT OR COOL THE SPACE TO THE DESIRED SET POINTS (MANUAL HEAT OR COOL SETTINGS). IF OUTSIDE AIR FOR VENTILATION IS REQUIRED, OUTSIDE AIR DAMPERS INSTALLED IN THE OUTSIDE AIR DUCT SHALL BE AT THEIR MINIMUM POSITION AND THE FAN SHALL MAINTAIN CONTINUOUS OPERATION. |
| | NIGHT OPERATION - THE TIMELOCK SHALL AUTOMATICALLY ACTIVATE THE SYSTEM TO THE "NIGHT/UNOCCUPIED" MODE. THE SYSTEM SHALL HEAT OR COOL THE SPACE TO THE DESIRED NIGHT SET POINTS THROUGH THE THERMOSTAT'S NIGHT/UNOCCUPIED SETPOINTS. IF OUTSIDE AIR FOR VENTILATION IS REQUIRED, OUTSIDE AIR DAMPERS INSTALLED IN THE OUTSIDE AIR DUCT SHALL BE CLOSED AND THE FAN SHALL CYCLE AS NEEDED TO MAINTAIN THE THERMOSTAT SETPOINTS. |
| | ECONOMIZER OPERATION TO ENABLE FREE COOLING SHALL BE A FUNCTION OF THE RTU MANUFACTURER'S STANDARD CONTROLS. |
| | DEHUMIDIFICATION OPERATION, IF PROVIDED, SHALL BE A FUNCTION OF THE RTU MANUFACTURER'S STANDARD CONTROLS. INSTALL HUMIDISTAT ARE RECOMMENDED BY MANUFACTURER. |
| E. | SEE KITCHEN EQUIPMENT PLANS FOR INFORMATION RELATED TO INSTALLATION OF TYPE 1 HOOD, MAKE-UP AIR UNIT AND HOOD EXHAUST FAN. |

- | | |
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| A) | ALL FIXTURES USED SPECIFICALLY FOR HANDWASHING PURPOSES (LAVATORIES, HAND SINKS, ETC.) SHALL BE PROVIDED WITH A TEMPERING VALVE TO TEMPER THE HOT WATER TO THE FIXTURE (MAXIMUM OF 105-DEGREES F). |
| B) | SEE "GAS CONNECTION DETAIL", SHEET MP300, FOR CONFIGURATION OF NATURAL GAS PIPING AT APPLIANCE CONNECTION. |
| C) | REFER TO FOOD SERVICE DRAWINGS FOR SINKS, EQUIPMENT AND APPLIANCES PROVIDED BY THE KEC. |
| D) | PC SHALL ROUGH-IN AND MAKE FINAL CONNECTION FOR ALL SINKS, EQUIPMENT APPLIANCES AND ACCESSORIES PROVIDED BY THE KEC. 3-COMPARTMENT SINK AND HAND SINK, AND ASSOCIATED FAUCETS, ARE PROVIDED BY THE KEC. WHERE REQUIRED, PC TO PROVIDE BASKET STRAINER DRAIN, TAILPIECE, 3/8-INCH FLEXIBLE RISERS W/ANGLE SUPPLIES WITH LOOSE KEY STOPS, 1-1/2-INCH INLET/2-INCH OUTLET CHROME PLATED CAST BRASS "P" TRAP W/CLEANOUT PLUG AND ESCUTCHEON W/SET SCREW. |
| E) | CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. FIELD VERIFY LOCATION OF EXISTING UTILITIES. |

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MP300

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<div><div><div></div><div>EF</div><div></div></div><div>FAN SCHEDULE</div></div>														
MARK NO.	MANUFACTURER	MODEL NO.	CFM	ESP IN W.G.	TYPE	FAN SIZE	RPM	DRIVE	ACCESSORIES	ELECTRICAL				REMARKS
										VOLT	Ø	HZ	HP/W	
1	COOK	GC-182	100	.25	CEILING	Ø	Ø	D	Ø	120	1	60	185 W	NOTE 1
2A/2B	LARKIN	XCUBE-180	3328	1.125	ROOF	Ø	Ø	B	Ø	208	1	60	1.5 HP	NOTE 2,3

- NOTES:
- PROVIDE CEILING FANS WITH CEILING GRILLE, DISCONNECT SWITCH, HANGER HARDWARE, BACKDRAFT DAMPER, UNIT MOUNTED VARIABLE SPEED SWITCH, WALL OR ROOF CAP, FLEX CONNECTOR, SWITCH WITH LIGHTS.
 - MAKE-UP AIR UNIT, KITCHEN HOOD AND HOOD EF PROVIDED BY THE KEC AS A PACKAGED SYSTEM. SEE LARKIN DRAWINGS. MC SHALL INSTALL SYSTEMS PER MANUFACTURES INSTRUCTIONS.
 - INTERLOCK TO OPERATE WHENEVER KITCHEN APPLIANCES ARE IN OPERATION. SEE LARKIN DRAWINGS FOR CONTROL DIAGRAMS.

LARKIN MAKE-UP AIR UNIT SCHEDULE (DX COOLING/NG HEATING)

UNIT	LOCATION	"MFR" MODEL NO.	CFM	ESP (IN. W.G.)	ELECTRICAL DATA					OPER. WT. (LBS.)	REMARKS
					VOLT/PHASE	HP	FLA	MCA	MOCP		
MAU-1	ROOF	ARS-18	6656	0.9	208/3	3.0	10.6	Ø	20	Ø	NOTE 1,2

- NOTES:
- MAKE-UP AIR UNIT, KITCHEN HOOD AND HOOD EF PROVIDED BY THE KEC AS A PACKAGED SYSTEM. SEE LARKIN DRAWINGS. MC SHALL INSTALL SYSTEMS PER MANUFACTURES INSTRUCTIONS.
 - INTERLOCK TO OPERATE WHENEVER KITCHEN APPLIANCES ARE IN OPERATION. SEE LARKIN DRAWINGS FOR CONTROL DIAGRAMS.

AIR BALANCE SCHEDULE

PLAN MARK	AREA SERVED	OUTSIDE AIR CFM	EXHAUST AIR CFM	NOTES
RTU-1	C-STORE	100		
MAU-1	TYPE 1 HOOD	6656		
EF-2A	TYPE 1 HOOD		3328	
EF-2B			3328	
EF-1	RESTROOM (2)		100	
	SUBTOTAL	6756	6756	

- NOTES:
- OUTSIDE AIR CFM INDICATED FOR OPERATION IN CONJUNCTION WITH TYPE 1 HOOD EXHAUST AND MAKE-UP AIR SYSTEM. CFM MAY REVERT TO MINIMUM OA AS CALCULATED IN "OA CALCULATION" WHEN THESE SYSTEMS ARE OFF.

COMMERCIAL-KITCHEN HOOD/EXHAUST/MAKE-UP AIR SYSTEM:

THE HOOD SHALL BE CONSTRUCTED OF A MINIMUM OF 18 GAUGE, (TYPE 304) STAINLESS STEEL WITH A #3 FINISH. HOOD SHALL BE CONSTRUCTED USING THE STANDING SEAM METHOD FOR OPTIMUM STRENGTH. THE SEAMS ON THE CANOPY SHALL BE WELDED LIQUID TIGHT, AND ALL EXPOSED EXTERNAL WELDS SHALL BE GROUND AND POLISHED TO MATCH THE ORIGINAL FINISH OF THE METAL. LIGHTER MATERIAL GAUGES, ALTERNATE MATERIAL TYPES AND FINISHES (400 SERIES STAINLESS STEEL, COLD ROLLED STEEL, ETC.) AND NON-LIQUID TIGHT WELDING (TACK WELD, SPOT WELD, ETC.) IS NOT ACCEPTABLE. CONSTRUCTION SHALL INCLUDE CORROSION-RESISTANT STEEL FRAMING MEMBERS FOR STRENGTH.

HOOD SHALL INCLUDE UL LISTED AND NSF CERTIFIED GREASE EXTRACTOR TYPE, HIGH EFFICIENCY CARTRIDGE STYLE BAFFLE FILTERS OF ADEQUATE NUMBER AND SIZES TO ENSURE OPTIMUM PERFORMANCE IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INFORMATION. THE FILTER HOUSING SHALL TERMINATE IN A PITCHED, FULL LENGTH GREASE TROUGH, WHICH SHALL DRAIN INTO A REMOVABLE GREASE CONTAINER. HOOD SHALL BE PROVIDED WITH ONE (1) FILTER REMOVAL TOOL.

VAPOR PROOF, UL LISTED, INCANDESCENT LIGHT FIXTURES SHALL BE PREWIRED TO A JUNCTION BOX SITUATED AT THE TOP OF THE HOOD FOR FIELD CONNECTION. WIRING SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC #70).

FIRE PROTECTION SYSTEMS: WET CHEMICAL WITH WALL-MOUNTED STAINLESS-STEEL CABINET. FIRE-PROTECTION SYSTEM TO PROVIDE DUCT, PLENUM, AND SURFACE PROTECTION FOR VENTILATOR AND EQUIPMENT LOCATED BELOW VENTILATOR. SYSTEM SHALL BE INTERWIRED WITH SHUNT TRIP BREAKER AND GAS SOLENOID VALVE OF EQUIPMENT LOCATED BELOW VENTILATOR FOR POWER AND FUEL SHUTOFF DURING SYSTEM ACTUATION.

THE MANUAL PULLS FOR THE ACTIVATION OF THE KITCHEN EXHAUST HOOD FIRE SUPPRESSION SYSTEMS SHALL BE LOCATED A MINIMUM OF 10 FEET AND A MAXIMUM OF 20 FEET FROM THE EXHAUST HOODS PER SECTION 904.11.1 OF THE 2012 INTERNATIONAL BUILDING CODE.

ENCLOSURE PANELS: 1.3 MM (0.05 INCH) THICK STAINLESS STEEL SHALL BE INSTALLED: LOCATE BETWEEN VENTILATOR TOP AND CEILING ON ALL EXPOSED SIDES. BACK SHALL BE UNFINISHED.

OUTSIDE AIR MAKE-UP PLENUM SHALL BE INCORPORATED INTO THE FRONT FACE OF THE HOOD.

INSTALL VENTILATORS LEVEL AND PLUMB WITH ACCESS CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE AND CLEANING AND IN ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED DOCUMENTATION. COORDINATE INSTALLATION OF VENTILATORS WITH OVERHEAD SUPPORTS.

FIELD TESTING:

FIELD TESTING, GENERAL: FOLLOWING INSTALLATION, TEST VENTILATORS FOR COMPLIANCE WITH SPECIFIED REQUIREMENTS AND THOSE OF AUTHORITIES HAVING JURISDICTION. PERFORM TESTING AFTER AIR-HANDLING SYSTEMS HAVE BEEN BALANCED AND ADJUSTED.

PERFORM TESTS WITH COOKING EQUIPMENT SERVED BY VENTILATOR TURNED OFF.

PERFORM TESTS WITH SUPPLY AND EXHAUST FANS SERVING THE FOOD SERVICE KITCHEN AREA TURNED ON.

TEST PROCEDURE: MOVE A SMOKE BOMB AROUND THE PERIMETER OF COOKING EQUIPMENT AT THE TOP SURFACE.

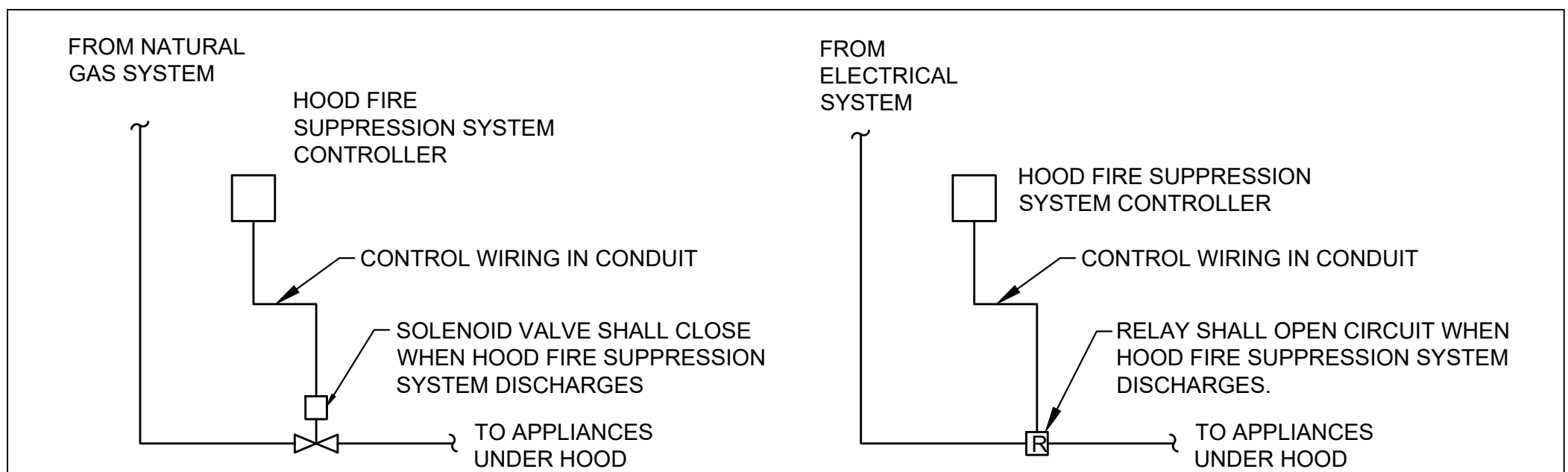
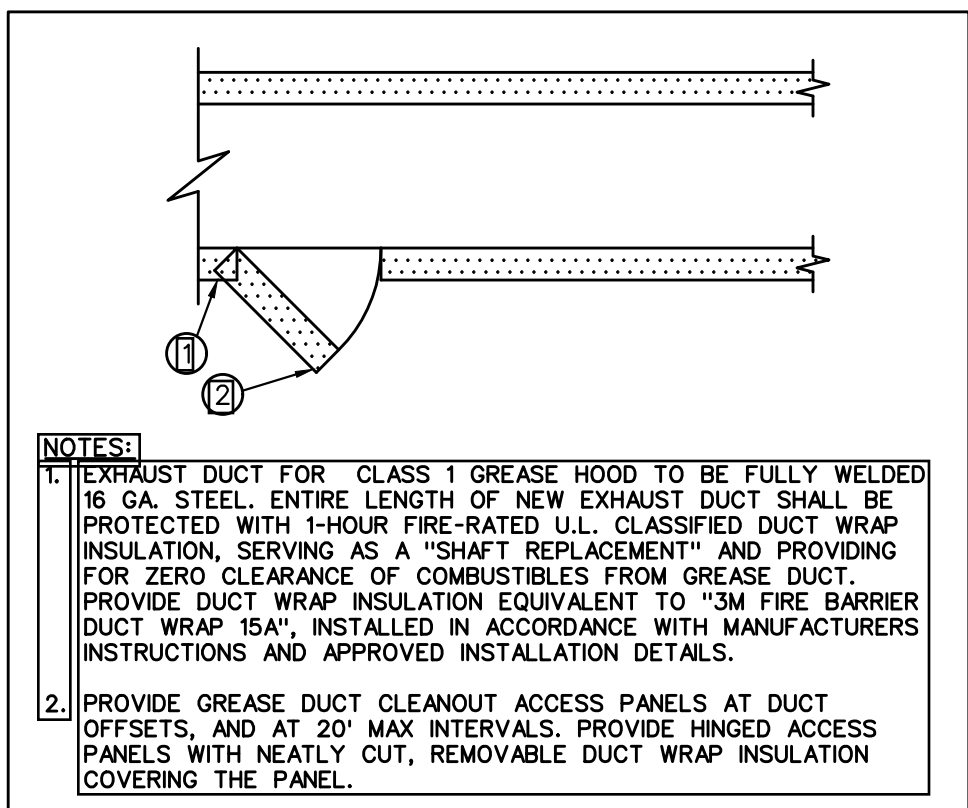
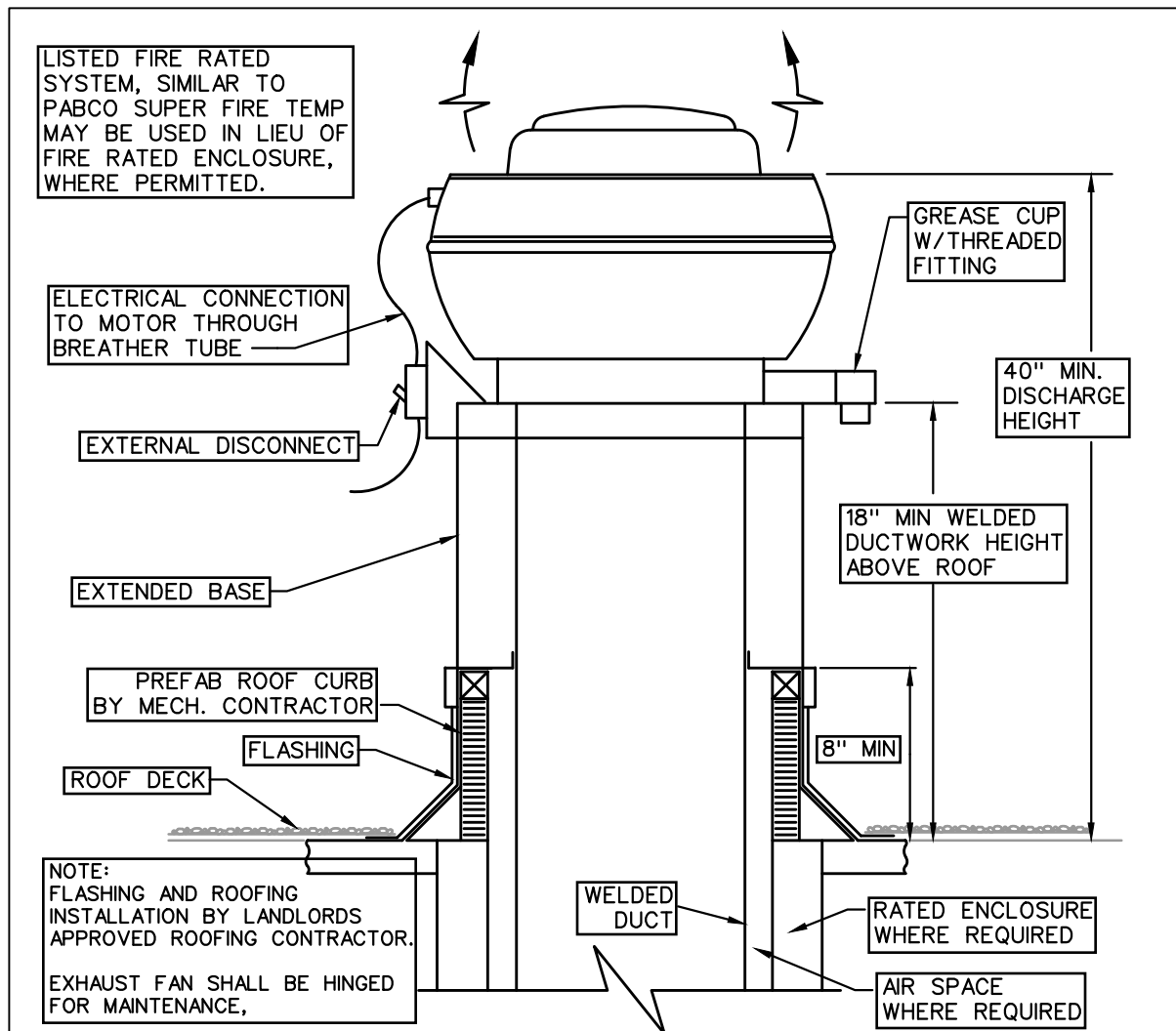
TEST-PERFORMANCE REQUIREMENTS: NO VISIBLE SMOKE SHALL ESCAPE FROM THE VENTILATOR CANOPY INTO THE ROOM.

INSTRUCT PERSONNEL AND TRANSMIT OPERATING INSTRUCTIONS IN ACCORDANCE WITH REQUIREMENTS.

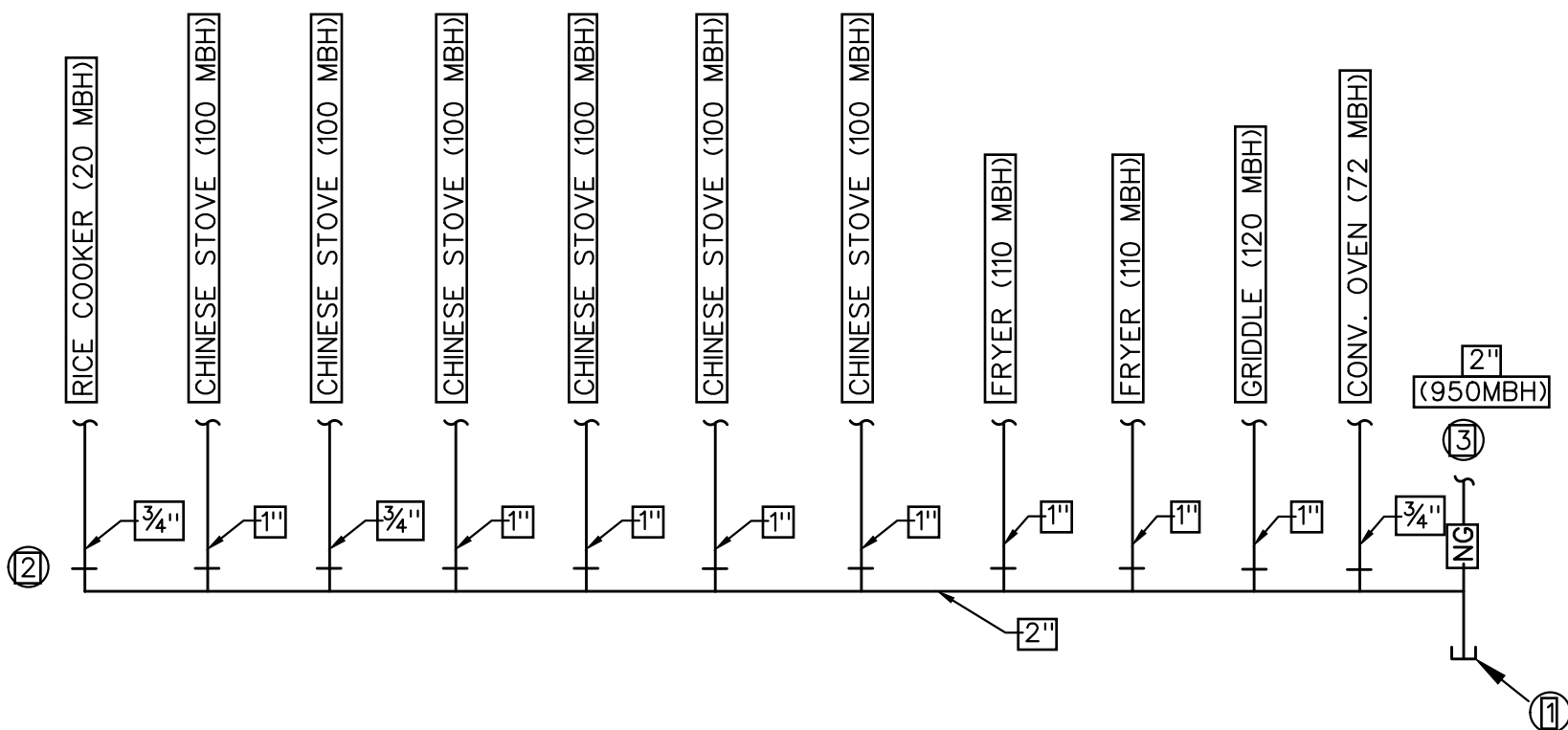
CROSS CONNECTION DEVICE SCHEDULE

INSTALL BACKFLOW PREVENTION DEVICES ON KITCHEN EQUIPMENT PER JO. CO. DISTRIBUTION WATER QUALITY DEPT. REQUIREMENTS AS FOLLOWS:

FIXTURE	DEVICE
DISHWASHER	RPZ BFP
CARBONATORS	RPZ BFP
ICE MAKERS	DCVA
TEA MAKERS	DCVA
MOP SINK	ATMOS. VA. BRKR.



3 KITCHEN HOOD EMERGENCY SHUT-OFF
MP301 NO SCALE

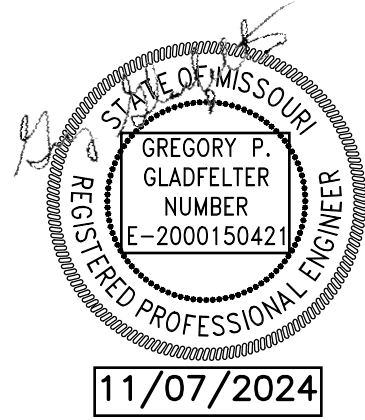


RISER NOTES - NATURAL GAS RISER

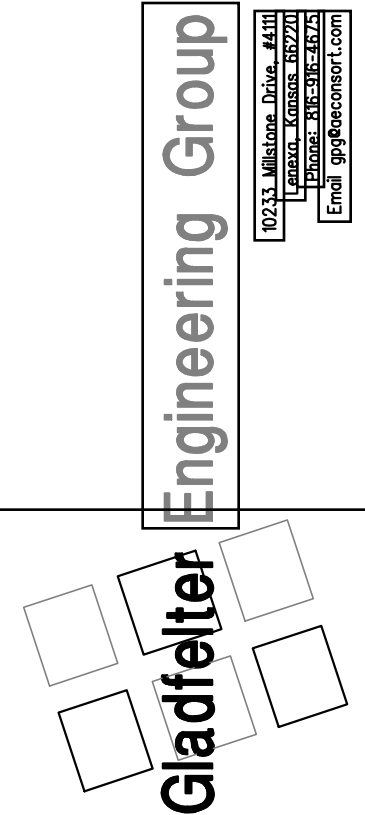
- MINIMUM 6" DIRT LEG
- MAKE FINAL CONNECTION TO KITCHEN EQUIPMENT WITH BALL VALVE AND HOSE PROVIDE BY THE KEC (TYPICAL).
- 2" NG FROM SAFETY SHUTOFF VALVE.

11 NATURAL GAS RISER
MP301 NO SCALE

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