

ARCHITECTURE

CONSTRUCTION As Noted on Plans Review

15225 Broadmoor Street

Overland Park, KS 66223 h|d Architecture, LLC State Certificate of Authority Number:

A-1234

Gregory D. Highbarger - Architect License - Missouri A-7530

MEP CONSULTANT

5BY5 Engineers, LLC 1100 Main Street, Floor 4 Kansas City, MO 64105 (913) 689-9449

ICC/ANSI AIIT.1-2009, Accessible and Usable Buildings and Facilities OCCUPANCY CLASSIFICATION: B *CARRY-OUT ONLY. NO IN-STORE DINING.

TOTAL SQUARE FOOTAGE: KITCHEN PREP: 1/200 x 1,028 S.F. = 5 OCCUPANT LOAD: STORAGE: TOTAL OCCUPANTS: 6

SPRINKLER STATUS:

3'-0"

NON-SPRINKLERED

1/300 x 172 S.F. = 1

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ARCHITECTURAL PLANS & DETAILS

1/23/2022

CITY COMMENTS

Job Number

Drawn By

Checked By

Revisions

Number Date

4/4/2022

3 PROJECT LOCATION INT.S.

N.E. ANDERSON LANE

1 INTERIOR ELEVATION

1'-6"

1 FLOOR PLAN
1/4" = 1'-0"

STEAM

VELOCITY

TFA

TFB

TOTAL COOLING CAPACITY

TOTAL STATIC PRESSURE

VARIABLE FREQUENCY DRIVE

VARIABLE AIR VOLUME

TO FLOOR ABOVE

TO FLOOR BELOW

WPD WATER PRESSURE DROP

TO ROOF ABOVE

BACKDRAFT DAMPER

FIRE/SMOKE DAMPER

☐ → FIRE DAMPER

SMOKE DAMPER

ANNOTATION LEGEND:

<u>ABC-1</u> EQUIPMENT / FIXTURE TAG

CONNECT TO EXISTING

—— AIR FLOW DIRECTION

THERMOSTAT

PLAN NOTE

 $\frac{S-1}{80}$ $\frac{G/R/D}{NECK}$ SIZE

300 AIR FLOW (CFM)

	<u>KEF-2</u>	KEF-3	KEF-1	
S-1 S-1	SLICE 22x12 S-1 10"ø 300 SANDWICH MAKE	KEH-3 S 6 7 S -1 10"ø 350 S-1 10"ø 350	050	DISH PIT S+1 10"ø 350 MAU-1 EXISTING EP TO REMAIN
S=1 10"ø 300 DRINKS CHIPS	S-1 10"ø 300 ORDER COUNTER R-1 R-1 24x24 24x24	RTU-1 8"¢ 100 OFFICE/STORAGE	WALK-IN	IN EXISTING TOILET

										ROOF	TOP UNI	T SCHEDU	LE									
						SUPPLY	Y FAN	101		. 180	Į.	COOLING	75 10		HE	ATING (GA	S)	ELE	CTRICAL		WEIGHT	
TAG	MANUF	MODEL	SERIES	TONS	CFM	OA CFM	НР	ESP (IN)	TYPE	TOT CAP (MBH)	SENS CAP (MBH)	EAT (DB/WB)	LAT (DB/WB)	IEER (MIN)	OUTPUT (MBH)	INPUT (MBH)	STAGES	VOLTAGE	MCA	МОСР	(LBS)	NOTES
RTU-1	YORK	ZR090	SUNPRO	7.5	2700	900	3	0.6	R-410A	90	64.8	80/67	59.4/57.2	13.8	144	180	2	208/3	42.4	50	1300	ALL
																				,		
0750																						
IOTES:																						
. PROVII	DE WITH CON	TROLLER AND C	CONTROL DEVI	CES BY MAI	NUFACTUR	RER. REFER T	O SEQU	ENCES OF OP	ERATION.													
. PROVII	DE WITH WI-F	COMPATIBLE	7-DAY PROGRA	AMMABLE 7	THERMOST	ΓAT.																
. PROVII	DE WITH FIXE	D DRY BULB TYP	PE ECONOMIZE	R ASSEMBI	LY.																	
. PROVII	DE NEW CURE	AT EXISTING C	URB LOCATION	N. CONTRAC	CTOR OPTI	ON TO PROV	/IDE MA	NUFACTERER	'S STANDARI	D CURB ADA	PTER TO CO	NNECT TO EXIS	TING ROOFTOP	UNIT CURB IN	STEAD.							
. PROVII	DE WITH NON	-POWERED WE	ATHER-PROOF	DUPLEX RE	ECEPTACLE																	
. PROVII	DE WITH 2" TH	HICK, MINIMUM	MERV-8 FILTE	ERS.																		
. PROVII	DE WITH FACT	ORY-MOUNTER	D RETURN AIR	SMOKE DET	TECTOR.																	
. PROVII	DE WITH CON	DENSER COIL G	UARDS.																			
. UNITS	ZED FOR 100	F AMBIENT CO	NDENSING TE	MPERATUR	E.																	
O. PROVI	DE WITH MAN	UFACTURER'S	STANDARD DIS	CONNECT S	SWITCH.																	
1. PROVI	DE WITH HOT	GAS REHEAT C	OIL FOR DEHU	MIDIFICATI	ON CONTR	ROL SEQUEN	CE.															
2. PROVI	DE SPACE MO	UNTED HUMID	ITY SENSOR TO	ENABLE D	EHUMIDIF	ICATION.																
3. PROVI	DE RTU WITH	HINGED AND T	OOLESS ACCES	S WITH SLII	DE OUT BL	OWER MOTO	OR ASSE	MBLY.														

WAITING 368 6 5 30 0.06 23	FM)
**************************************	. :
RTU-1 OFFICE 39 1 5 5 0.06 3 234 9	000 AL
KITCHEN 618 13 7.5 97.5 0.12 75	

NOTES:

1. Re REPRESENTS PEOPLE OUTDOOR AIRFLOW RATE IN BREATHING ZONE PER TABLE 403.3. 2. RA REPRESENTS AREA OUTDOOR AIRFLOW RATE IN BREATHING ZONE PER TABLE 403.3.

	G	RILLES, RE	GISTERS AND	DIFFUSE	RS		
M	ANUFACTURER	MODEL	MOUNTING	FACE SIZE	MAX NC	MAX DP	NOTES
	PRICE	SCD	CEILING	24x24	30	0.1	ALL
	PRICE	PDDR	CEILING	24x24	30	0.1	3,4
	PRICE	PUUK	CEILING	24X24	30	0.1	_

1. NECK SIZE SHOWN ON PLANS.

2. 4 WAY THROW UNLESS INDICATED OTHERWISE ON PLANS.

3. BAKED ENAMEL FINISH, WHITE TO MATCH CEILING/WALL COLOR. VERIFY WITH ARCHITECT PRIOR TO ORDER.

4. FRAME TYPE TO MATCH CEILING/WALL CONSTRUCTION. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.

						MA	KEUP AI	R UNIT								
TAG	AREA SERVED	MANUFACTURER	MODEL	MOUNTING	AIR FLOW (CFM)	ESP (IN.WG)	MOTOR POWER	DRIVE TYPE	EAT (DEGF)	LAT (DEGF)	GAS INPUT (MBH)	OUTPUT (MBH)	V/PH	МСА	МОСР	NOTES
VAU-1	KITCHEN HOODS	GREENHECK	DGX	ROOF	4000	0.75	3 HP	DIRECT	0	60	250.0	230.0	208/3	13.7	20	ALL
2. PRO	VIDE WITH MANUF	ARIABLE FREQUENC	CY DRIVES	FOR BALANC	ING PURPO	SES ONLY.		INET. OUTS	IDE AIR IN	TAKE SHA	ALL BE A MINI	MUM OF 36	" ABOVE TI	HE FINISH	ED ROOF.	
 PRO PRO PRO REPI EXTE 		ARIABLE FREQUENC VIRING AS REQUIRE DMPLETION OF WO SURE (ESP) ACCOUI	CY DRIVES ED FOR A RK. NTS FOR I	S FOR BALANC SINGLE DISCO DUCTWORK A	ING PURPOS NNECT MEA ND AIR DIST	SES ONLY. ANS.										LTERS,

(-) MECHANICAL PLAN NOTES:

HORIZONTALLY AS SHOWN.

- 1. EXISTING BATHROOM TO REMAIN. NO NEW WORK. 2. PROVIDE NEW ROOFTOP UNIT AT EXISTING ROOFTOP UNIT LOCATION. PROVIDE NEW ROOFTOP UNIT CURB AS
 - REQUIRED. 3. PROVIDE NEW THERMOSTAT WHERE INDICATED ON PLAN. PROVIDE NEW CONTROL WIRING AS REQUIRED TO

ACCOMMODATE NEW LOCATION. WIRE TO HVAC UNIT

4. EXTEND SUPPLY AND RETURN AIR DROPS FROM RTU'S TO BELOW STRUCTURE. EXTEND SUPPLY DUCT

CONTROLLER PER INSTALLATION INSTRUCTIONS.

- 5. ROUTE EXHAUST DUCT FROM HOOD TO ROOF MOUNT UPBLAST EXHAUST FAN. PROVIDE ROOF/WALL PENETRATION AND VENT CAP PER MANUFACTURER'S RECOMMENDATIONS. LOCATE DISCHARGE AT MINIMUM OF 10'-0" FROM ANY BUILDING OPENINGS, OUTDOOR AIR INTAKES OR FIRE SEPARATIONS. SEE KITCHEN EXHAUST EQUIPMENT DRAWINGS FOR INFORMATION RELATED TO EXHAUST FANS, HOODS, AND THEIR INSTALLATION. KITCHEN EXHAUST SYSTEM DRAWINGS PROVIDED AS PART OF THIS DRAWING SET ARE FOR INFORMATIONAL PURPOSES ONLY. COORDINATE WITH APPROVED SHOP
- 6. INSTALL KITCHEN EXHAUST HOODS AND DUCTWORK FROM HOOD TO EXHAUST FAN PER MANUFACTURER'S RECOMMENDATIONS. SEE KITCHEN EXHAUST DRAWINGS FOR INFORMATION RELATED TO EXHAUST FAN AND INSTALLATION. KITCHEN EXHAUST SYSTEM DRAWINGS PROVIDED AS PART OF THIS DRAWING SET ARE FOR INFORMATIONAL PURPOSES ONLY. COORDINATE WITH APPROVED SHOP DRAWINGS.
- 7. NEW KITCHEN EXHAUST HOOD SYSTEM TO BE PROVIDED BY OWNER. HOOD SHALL BE FULLY COMPLIANT WITH THE 2018 INTERNATIONAL MECHANICAL CODE SECTION 506 AND INCLUDE THE FOLLOWING: EXHAUST HOOD WITH DIMENSIONS THAT EXTEND MINIMUM OF 6" BEYOND THE APPLIANCES IT SERVES, HOOD EXHAUST FAN AND EXHAUST CONNECTION AND HOOD MAKE-UP AIR UNIT AND SUPPLY PLENUM WITH MAKE-UP AIR CONNECTIONS. EXHAUST DUCTWORK SHALL BE BLACK IRON DUCTWORK WITH 2 LAYERS OF FIRE WRAP AS REQUIRED BY SECTION 506 OF THE INTERNATIONAL MECHANICAL CODE.

MECHANICAL GENERAL NOTES:

- DRAWINGS ARE SCHEMATIC IN NATURE AND BASED ON PRELIMINARY SITE OBSERVATION AND ORIGINAL DESIGN DRAWINGS (WHEN AVAILABLE). CONTRACTOR SHALL INVESTIGATE THE PROJECT SITE AND BECOME FULLY AWARE OF ALL FIELD CONDITIONS, CURRENT SYSTEM OPERATION, AS WELL AS COORDINATION REQUIREMENTS. COORDINATE ALL MECHANICAL WORK WITH ARCHITECTURAL DRAWINGS, EXISTING CONDITIONS, AND OTHER TRADES PRIOR TO START OF WORK.
- MECHANICAL WORK SHALL CONFORM TO APPLICABLE CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- COORDINATE WITH ELECTRICAL CONTRACTOR FOR REQUIRED ELECTRICAL POWER WIRING AND ROUGH-IN FOR LOW-VOLTAGE CONTROL WIRING. PROVIDE ALL CONTROL WIRING AND FINAL CONTROL DEVICE (E.G. THERMOSTATS).
- FABRICATE AND INSTALL DUCTWORK PER SMACNA RECOMMENDATIONS FOR THE PRESSURE CLASSIFICATIONS ENCOUNTERED. •• LOW PRESSURE SUPPLY AIR: +2.0 IN.WG •• RETURN AIR: −2.0 IN.WG •• EXHAUST AIR (UPSTREAM OF FAN): −2.0 IN.WG
- •• EXHAUST AIR (DOWNSTREAM OF FAN): +1.0 IN.WG PROVIDE MITERED ELBOWS AT CHANGES IN DIRECTION IN RECTANGULAR DUCTWORK. PROVIDE TURNING VANES IN ALL ELBOWS WHERE AIRFLOW CHANGES DIRECTION AT ANGLES 45° AND GREATER, EXCEPT FOR RETURN AIR
- PROVIDE DUCT WRAP INSULATION FOR ALL ROUND AND RECTANGULAR SUPPLY AIR DUCTWORK. DUCT WRAP INSULATION SHALL BE 2" THICK, MINIMUM R-6.0 FIBERGLASS DUCT WRAP WITH VAPOR BARRIER.

TRANSFER DUCTS.

- CONTRACTOR OPTION: PROVIDE INTERNAL LINER INSULATION FOR SUPPLY AIR DUCTWORK. INTERNAL LINER INSULATION SHALL BE 1" THICK, 2 LB/FT3 ACOUSTICAL DUCT LINER INSULATION WITH MINIMUM R-6.0. DUCT LINER IS NOT ALLOWED FOR HOSPITAL USE.
- PROVIDE INTERNAL LINER INSULATION FOR ALL RECTANGULAR RETURN AIR TRANSFER DUCTWORK. INTERNAL LINER INSULATION SHALL BE 1" THICK, 2 LB/FT3 ACOUSTICAL DUCT LINER INSULATION.
- DUCT DIMENSIONS SHOWN ON THE PLANS INDICATE THE FREE AREA DIMENSIONS. INCREASE SHEET METAL DIMENSIONS AS REQUIRED TO MEET FREE AREA DIMENSIONS WITH LINER INSTALLED.
- FLEXIBLE DUCTWORK SHALL HAVE 2" THICK, MINIMUM R-6.0 INSULATION. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0" IN LENGTH FOR SUPPLY AIR APPLICATIONS AND 3'-0" IN LENGTH FOR RETURN AIR AND EXHAUST
- AIR APPLICATIONS. PROVIDE BALANCING DAMPERS IN DUCT TAKE—OFFS TO AIR DEVICES IN LAY-IN CEILINGS, IN THE NECKS OF AIR DEVICES IN GYP BOARD CEILINGS, AND IN THE NECKS OF

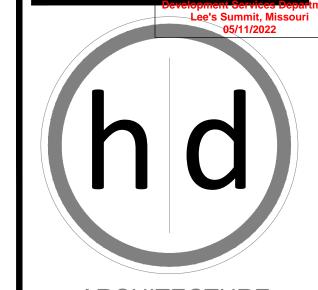
SIDE WALL AIR DEVICES FOR PROPER AIR BALANCING.

- TOILET ROOM EXHAUST FANS SHALL BE AS SCHEDULED. PROVIDE A MINIMUM OF 75 CFM EXHAUST PER FLUSH FIXTURE.
- COORDINATE ALL REQUIRED ROOF PENETRATIONS WITH ROOFING CONTRACTOR TO AVOID ROOF WARRANTY
- CONFLICTS. VERIFY AVAILABLE SPACE ABOVE ALL CEILINGS PRIOR TO FABRICATION OR INSTALLATION OF ANY DUCTWORK.
- ALL DIMENSIONS SHOWN ON PLAN ARE IN INCHES, UNLESS EXPLICITLY LABELED OTHERWISE.

COORDINATE DUCT INSTALLATION WITH OTHER TRADES.

- PROVIDE A COMPLETE TEST AND BALANCE BY A NEBB
- CERTIFIED TEST AND BALANCE AGENCY. PROVIDE ACCESS PANELS AND ADEQUATE CLEARANCE FOR ACCESS TO ALL EQUIPMENT, VALVES, DAMPERS AND
- DEVICES. INSPECT ALL EXISTING MECHANICAL EQUIPMENT TO REMAIN. REPORT ANY DEFICIENCIES TO OWNER PRIOR TO
- START OF WORK. LABEL ALL DUCTWORK, PIPING, MAINTENANCE DEVICES. AND EQUIPMENT WITH MANUFACTURER STANDARD LABELING SYSTEMS. COORDINATE WITH OWNER FOR FINAL EQUIPMENT DESIGNATIONS.





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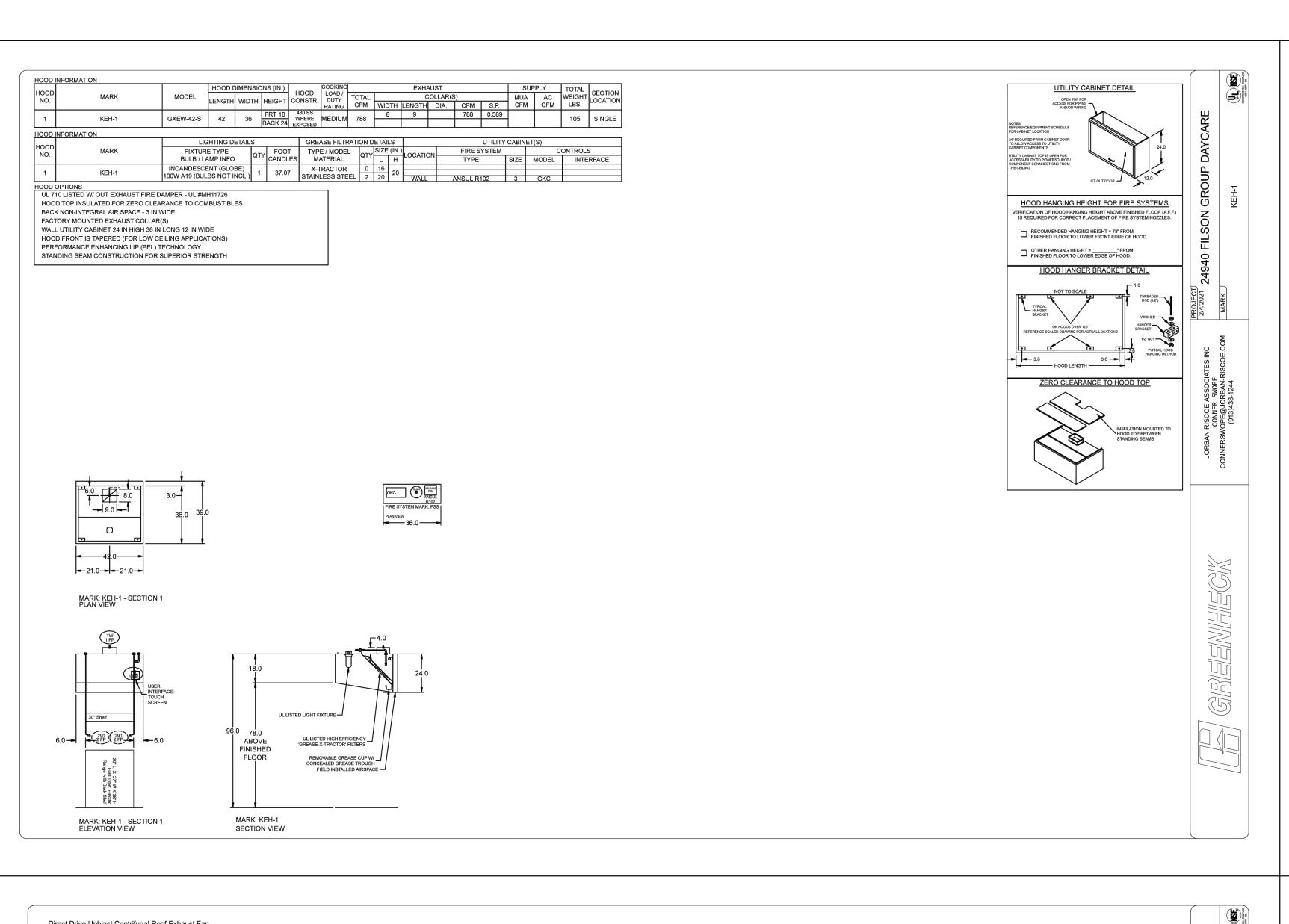


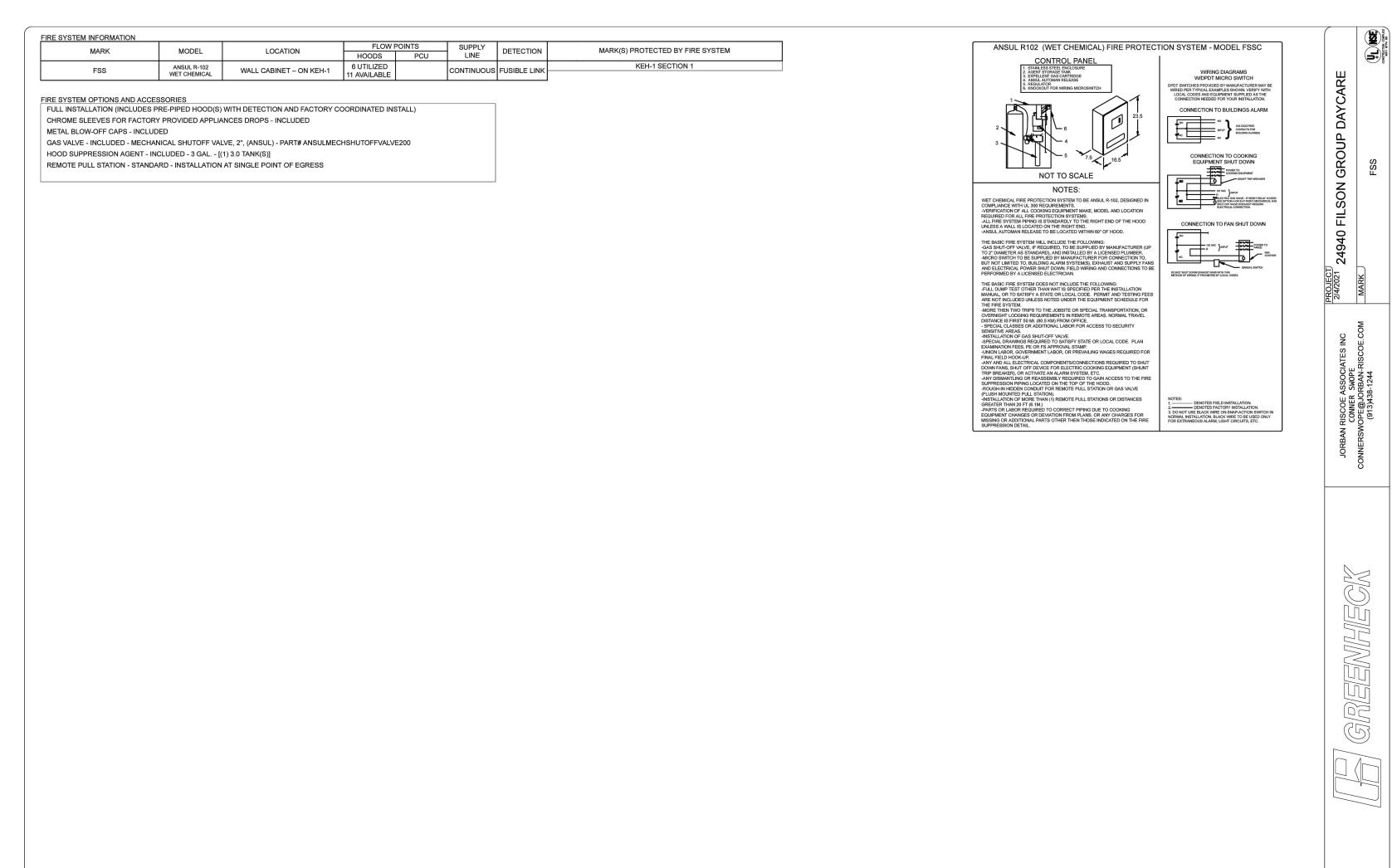
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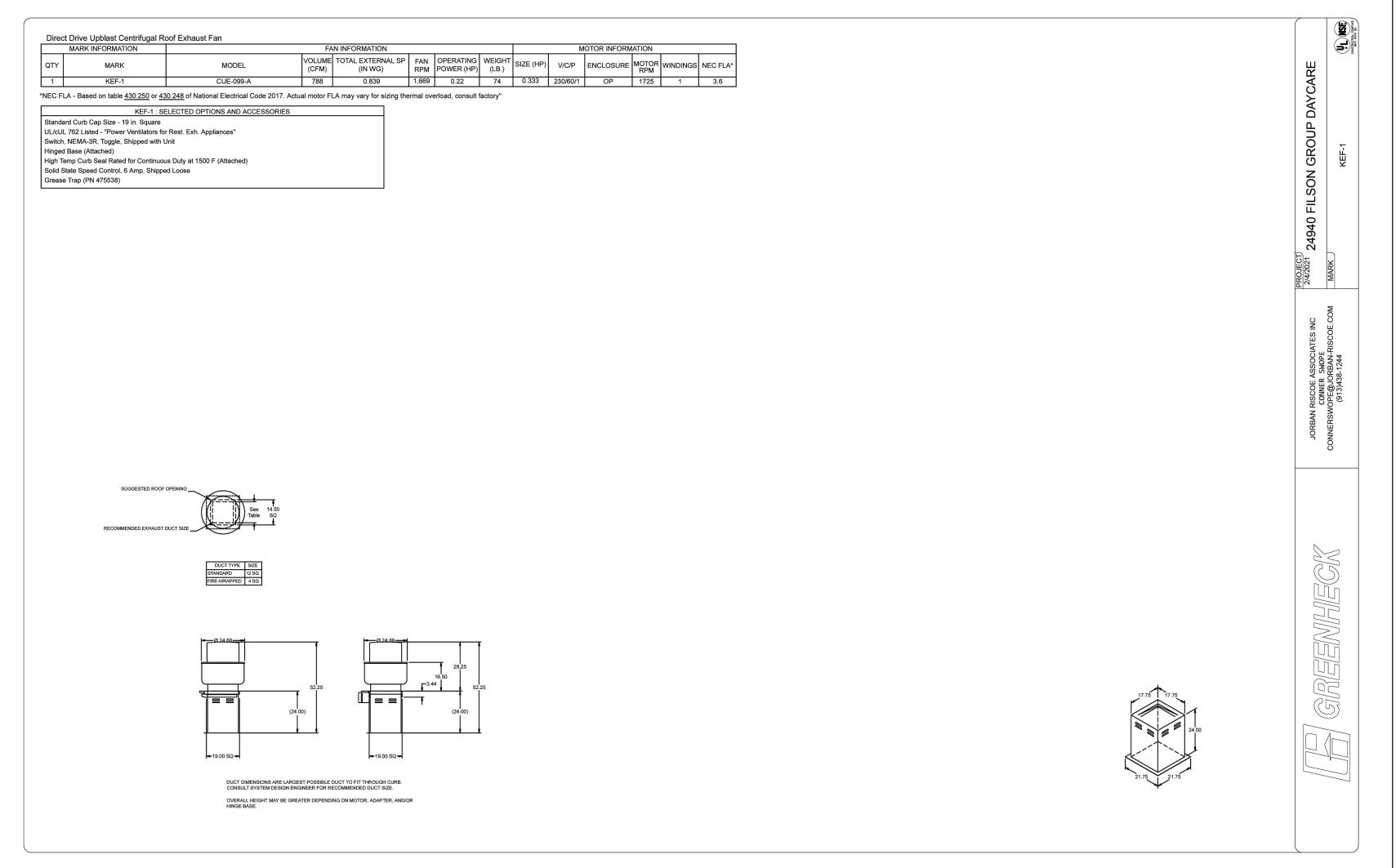
1/14/2022 Job Number 22-001 Checked By Number Date Description

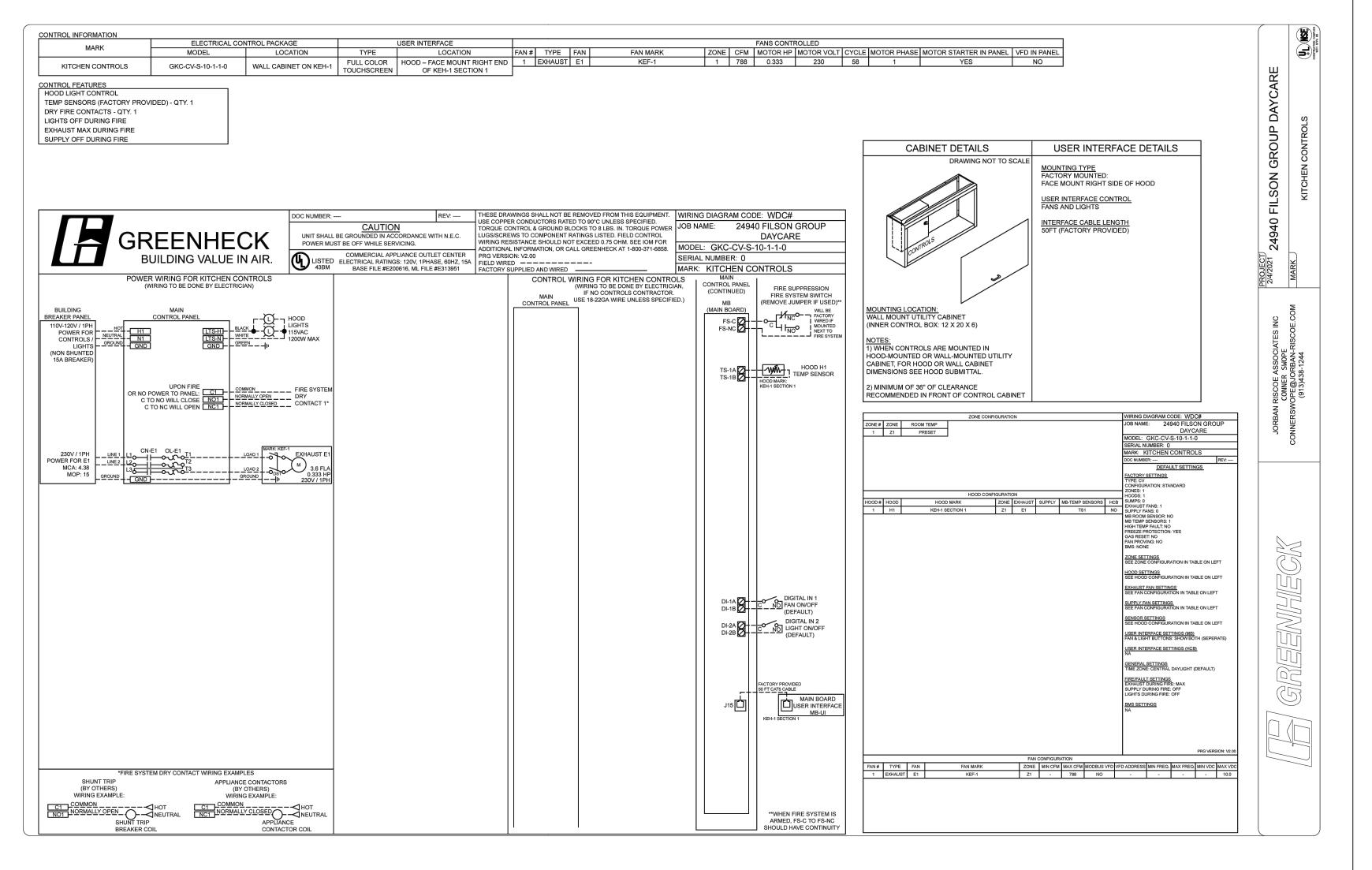
Drawn By

Revisions









1 EXHAUST HOOD FOR 6-BURNER STOVE

KITCHEN EXHAUST HOOD SYSTEM NOTES:

- THE KITCHEN EXHAUST HOOD SYSTEM SHALL BE DESIGNED PER SECTIONS 506, 507 AND 508 OF THE INTERNATIONAL MECHANICAL CODE. FINAL KITCHEN EXHAUST HOOD SYSTEM COMPONENTS AND INSTALLATION SHALL MEET ALL REQUIREMENTS IN THIS CODE.
- THE KITCHEN HOOD EXHAUST SYSTEM PLANS ON THIS SHEET WERE NOT PRODUCED BY 5BY5 ENGINEERS AND ARE FOR INFORMATIONAL PURPOSES ONLY. THESE DRAWINGS ARE INTENDED TO IDENTIFY DESIGN REQUIREMENTS OF THE KITCHEN EXHAUST HOOD SYSTEM AS IT RELATES TO THE OVERALL HVAC SYSTEM DESIGN (AIRFLOW, BUILDING PRESSURE, ETC.). ACTUAL SHOP DRAWINGS FOR THE KITCHEN EXHAUST EQUIPMENT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND LOCAL AUTHORITY HAVING JURISDICTION.

1100 Main Street, 4th Floor Kansas City, MO 64105 Missouri COA: 20170407 913-689-9449 contact@5by5eng.com 5by5eng.com

Lee's Summit, Missour 05/11/2022

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Overland Park, KS 66223

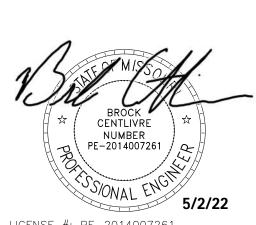
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NUMBER
PE-2014007261

5/2/22

LICENSE #: PE-2014007261

BROCK CENTLIVRE, LICENSED ENGINEER

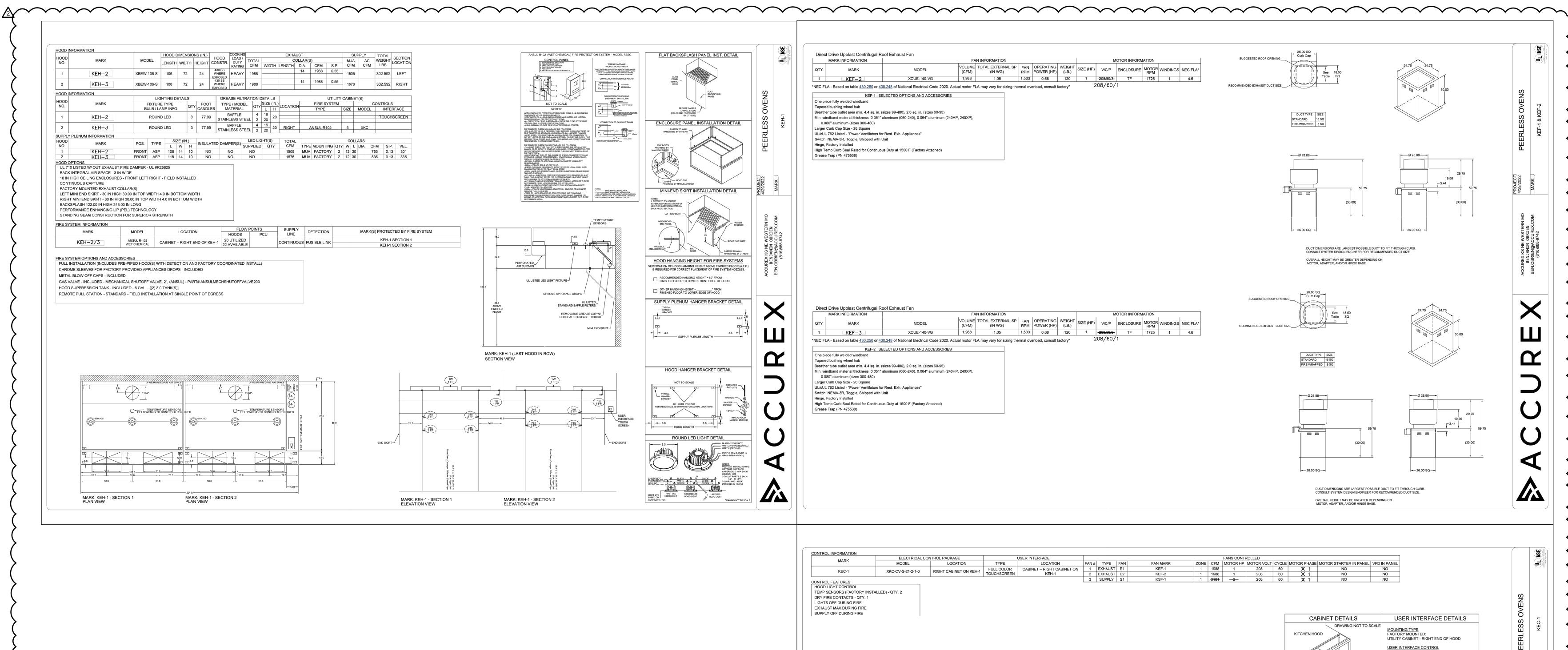
FIZZETIA

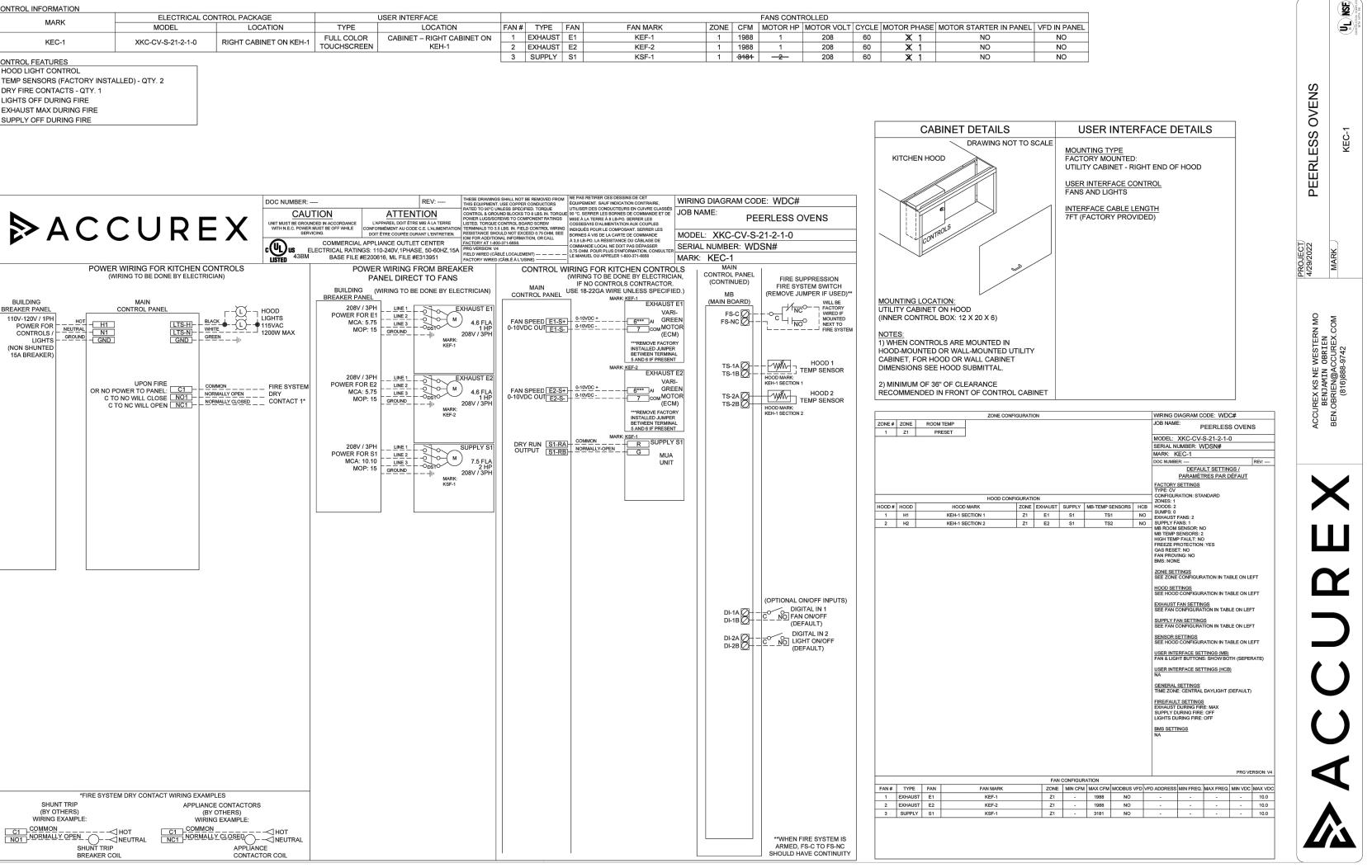
E Lakewood Boulevard

Date 1/14/2022
Job Number 22-001
Drawn By
Checked By

Revisions
Number Date Description

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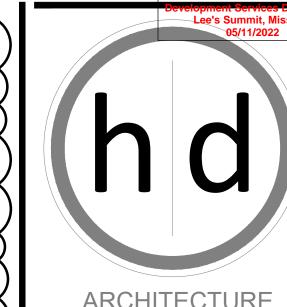
EXHAUST HOOD FOR PIZZA OVENS NOT TO SCALE

KITCHEN EXHAUST HOOD SYSTEM NOTES:

AUTHORITY HAVING JURISDICTION.

- THE KITCHEN EXHAUST HOOD SYSTEM SHALL BE DESIGNED PER SECTIONS 506, 507 AND 508 OF THE INTERNATIONAL MECHANICAL CODE. FINAL KITCHEN EXHAUST HOOD SYSTEM COMPONENTS AND INSTALLATION
- SHALL MEET ALL REQUIREMENTS IN THIS CODE. THE KITCHEN HOOD EXHAUST SYSTEM PLANS ON THIS SHEET WERE NOT PRODUCED BY 5BY5 ENGINEERS AND ARE FOR INFORMATIONAL PURPOSES ONLY. THESE DRAWINGS ARE INTENDED TO IDENTIFY DESIGN REQUIREMENTS OF THE KITCHEN EXHAUST HOOD SYSTEM AS IT RELATES TO THE OVERALL HVAC SYSTEM DESIGN (AIRFLOW, BUILDING PRESSURE, ETC.). ACTUAL SHOP DRAWINGS FOR THE KITCHEN EXHAUST EQUIPMENT SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND LOCAL

Kansas City, MO 64105



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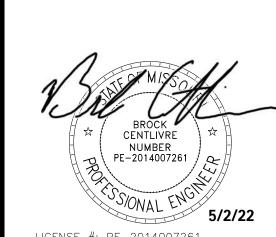
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LICENSE #: PE-2014007261 BROCK CËNTLIVRE, LICENSED ENGINEER

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LINETYPES LEGEND:

----- NEW - ABOVE SLAB --- NEW - BELOW SLAB EXISTING - ABOVE SLAB

---- EXISTING - BELOW SLAB

PIPING LEGEND:

---- DEMOLITION

G— ELBOW DOWN **O**-→ ELBOW UP **CC**→ P-TRAP

C TEE DOWN Section Secti

→ SHUT-OFF VALVE (GENERIC)

BALL VALVE

GLOBE VALVE

BFLY BUTTERFLY VALVE

GATE CATE VALVE

← CHECK VALVE **₩** BALANCING VALVE

~₩ PRESSURE REDUCING VALVE

⊢√TH GAS COCK

H WYE-STRAINER

RELIEF VALVE

 \rightarrow AIR VENT (MANUAL / AUTOMATIC)

FLOW DIRECTION

← PIPE BREAK / CONTINUATION

FLOOR DRAIN

FLOOR SINK

FLOOR CLEANOUT + HOSE BIBB

ANNOTATION LEGEND:

<u>ABC-1</u> EQUIPMENT / FIXTURE TAG (-) PLAN NOTE

CONNECT TO EXISTING

ABBREVIATIONS LEGEND:

AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE BOTTOM OF PIPE BATHTUB CFH CUBIC FEET PER HOUR CLEANOUT DOMESTIC COLD WATER DRINKING FOUNTAIN DOWN DOWNSPOUT NOZZLE DSN **EXISTING** EXPANSION TANK ELECTRIC WATER COOLER EYE WASH STATION FCO FLOOR CLEANOUT FLOOR DRAIN FINISHED FLOOR FFA FROM FLOOR ABOVE

FFB FROM FLOOR BELOW FLOOR SINK GREASE INTERCEPTOR GPM GALLONS PER MINUTE

HOSE BIBB

HB

HORSEPOWER HWR HOT WATER RECIRCULATION INVERT ELEVATION IN.WG INCHES WATER GAUGE

JANITOR SINK LINT INTERCEPTOR LAUNDRY SINK LAVATORY MAXIMUM MAX

MB MOP BASIN 1,000 BTUH MBH MINIMUM MIN

NATURAL GAS NON-FREEZE HOSE BIBB NRH NON-FREEZE ROOF HYDRANT OVERFLOW ROOF DRAIN

QUANTITY ROOF DRAIN RECIRCULATION PUMP

SANITARY WASTE SHOWER SINK SERVICE SINK

SEWAGE PUMP TRENCH DRAIN TO FLOOR ABOVE TO FLOOR BELOW THERMOSTATIC MIXING VALVE TO ROOF ABOVE

TOTAL STATIC PRESSURE

UR VENT WATER CLOSET WATER HEATER WH WCO WALL CLEANOUT WPD WATER PRESSURE DROP

TSP

PLUMBING GENERAL NOTES:

 DRAWINGS ARE SCHEMATIC IN NATURE AND BASED ON PRELIMINARY SITE OBSERVATION AND ORIGINAL DESIGN DRAWINGS (WHEN AVAILABLE). CONTRACTOR SHALL INVESTIGATE THE PROJECT SITE AND BECOME FULLY AWARE OF ALL FIELD CONDITIONS, CURRENT SYSTEM OPERATION. AS WELL AS COORDINATION REQUIREMENTS COORDINATE ALL PLUMBING WORK WITH ARCHITECTURAL DRAWINGS, EXISTING CONDITIONS, AND OTHER TRADES PRIOR TO BID OR START OF WORK.

 PLUMBING WORK SHALL CONFORM TO APPLICABLE CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

 PRIOR TO START OF WORK, CONTRACTOR SHALL CAMERA ALL EXISTING UNDERGROUND SANITARY SEWER LINES. VERIFY UNDERGROUND PIPING LOCATION, DEPTH AND FLOW DIRECTION. REPORT ANY PIPING DAMAGE OR LOCATION DISCREPANCIES TO ENGINEER AND/OR OWNER PRIOR TO START OF WORK.

 EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE VERIFIED PRIOR TO ANY INSTALLATION OF CONNECTIONS THEREOF. ALL CONNECTIONS TO EXISTING UTILITIES (E.G. DOMESTIC WATER, SEWER, VENT, AND NATURAL GAS) SHALL BE MADE WITH APPROVAL OF THE ADMINISTRATIVE AUTHORITY AND THE RESPECTIVE UTILITY COMPANIES.

 SANITARY WASTE, VENT, AND STORM PIPING BELOW GRADE SHALL BE SCHEDULE 40 PVC WITH SOLVENT-WELDED

 SANITARY WASTE, VENT, AND STORM PIPING ABOVE GRADE SHALL BE NO-HUB CAST IRON IN RETURN AIR PLENUM APPLICATIONS. PVC OR ABS PIPING CAN BE USED IN AREAS OTHER THAN RETURN AIR PLENUMS AS ALLOWED BY CODE.

 SLOPE SANITARY PIPING AS FOLLOWS: 1/4" PER FOOT FOR PIPE SIZES 2-1/2" AND SMALLER, AND 1/8" PER FOOT FOR PIPE SIZES 3" AND LARGER.

 COORDINATE CONDENSATE DRAIN REQUIREMENTS WITH THE HVAC CONTRACTOR AND OTHER TRADES.

 CONDENSATE DRAIN PIPING SHALL BE TYPE M COPPER PIPING WITH WROUGHT FITTINGS AND SOLDERED JOINTS IN RETURN AIR PLENUM APPLICATIONS. PVC CAN BE USED IN AREAS OTHER THAN RETURN AIR PLENUMS AS ALLOWED BY CODE.

SLOPE CONDENSATE DRAIN PIPING AS FOLLOWS: 1/4"

PER FOOT FOR ALL PIPE SIZES.

 PROVIDE WATER SUPPLY SHUT-OFF VALVES ON EACH TOILET ROOM GROUP AND TO MISCELLANEOUS EQUIPMENT.

 PROVIDE SIZE "A" WATER HAMMER ARRESTORS ON SUPPLY TO ALL PLUMBING FIXTURES.

 PROVIDE STOP VALVES ON ALL INDIVIDUAL PLUMBING FIXTURE SUPPLIES.

 COORDINATE SELECTION OF ALL PLUMBING FIXTURES WITH ARCHITECT AND OWNER. ALL HANDICAPPED FIXTURES (WHERE REQUIRED) SHALL COMPLY WITH A.D.A.

 DOMESTIC WATER PIPING BELOW GRADE SHALL BE TYPE K SOFT COPPER WITH FLARED FITTINGS OR TYPE K HARD COPPER WITH WROUGHT FITTINGS AND SOLDERED JOINTS.

 DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE L COPPER WITH WROUGHT FITTINGS AND SOLDERED JOINTS.

 WHERE ALLOWED BY CODE, CROSS-LINKED POLYETHYLENE (PEX) PIPING MAY BE USED IN LIEU OF COPPER PIPING. ADJUST SIZING OF PIPING FOR REDUCED FREE AREA OF PEX PIPING. ALL PEX PIPE ROUTED IN RETURN AIR PLENUMS MUST MEET THE FLAME SPREAD RATING AND

 INSULATE NEW DOMESTIC COLD WATER, HOT WATER, HOT WATER RECIRCULATION, INTERIOR CONDENSATE DRAIN, AND STORM PIPING WITH MINIMUM 1" FIBERGLASS INSULATION (MINIMUM R-4.0) WITH PAPER COVERING.

SMOKE DEVELOPED RATING FOR SUCH APPLICATIONS.

 ALL NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH MALLEABLE FITTINGS. SUPPORT PIPING AT INTERVALS NOT TO EXCEED THOSE LISTED IN TABLE 415.1

 PROIVDE RUST-INHIBITOR ON PAINT ALL NATURAL GAS PIPING LOCATED EXTERIOR TO THE BUILDING.

OF THE INTERNATIONAL FUEL GAS CODE.

 PROVIDE A.G.A. APPROVED GAS COCKS AND DIRT LEGS AT CONNECTIONS TO ALL GAS-FIRED EQUIPMENT.

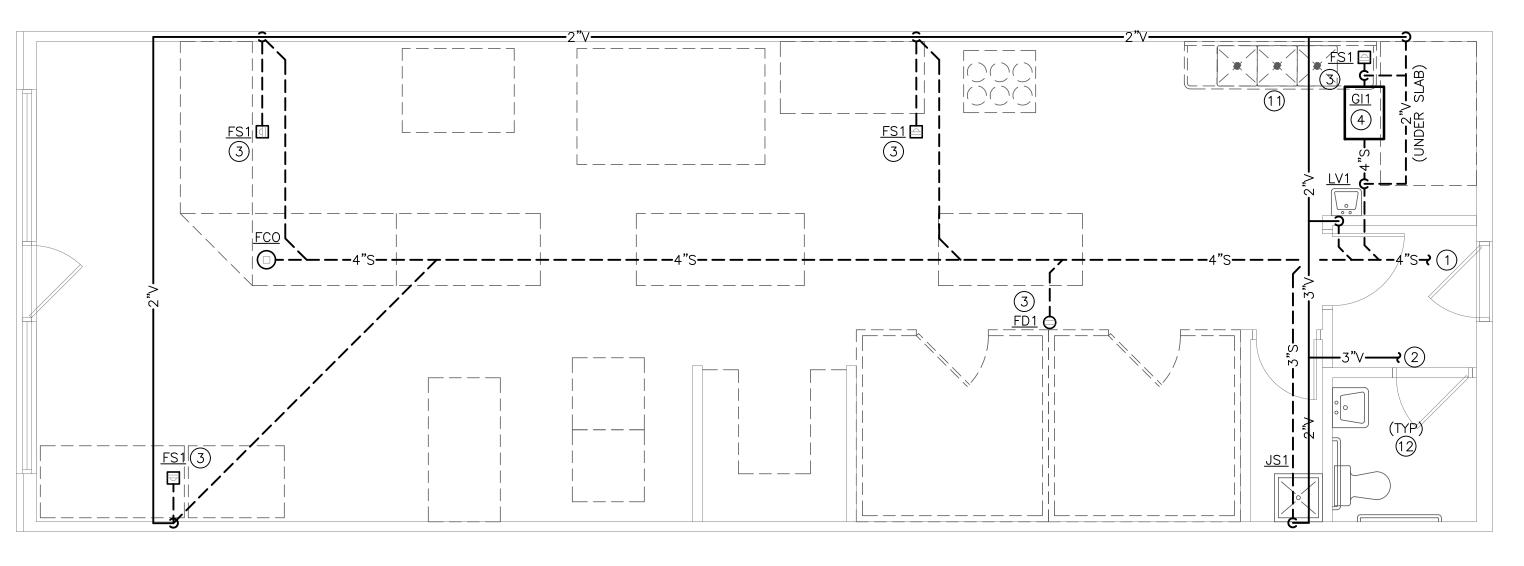
 INSTALL ALL PLUMBING EQUIPMENT, FIXTURES, VALVES, ETC. PER MANUFACTURER'S INSTALLATION REQUIREMENTS. PROVIDE ADDITIONAL APPURTENANCES PER MANUFACTURER'S INSTALLATION REQUIREMENTS.

 INSTALL CLEANOUTS AT EVERY END OF SANITARY PIPING RUNS, AT MINIMUM OF EVERY 100'-0" OF SANITARY PIPING. AND AT EVERY CHANGE IN DIRECTION GREATER THAN 45°. REFER TO SECTION 708 OF THE INTERNATIONAL PLUMBING CODE FOR ADDITIONAL REQUIREMENTS.

REDUCED PRESSURE ZONE BACKFLOW PREVENTER • ALL FLOOR DRAINS SHALL HAVE A 2" THROAT AND P-TRAP UNLESS NOTED OTHERWISE.

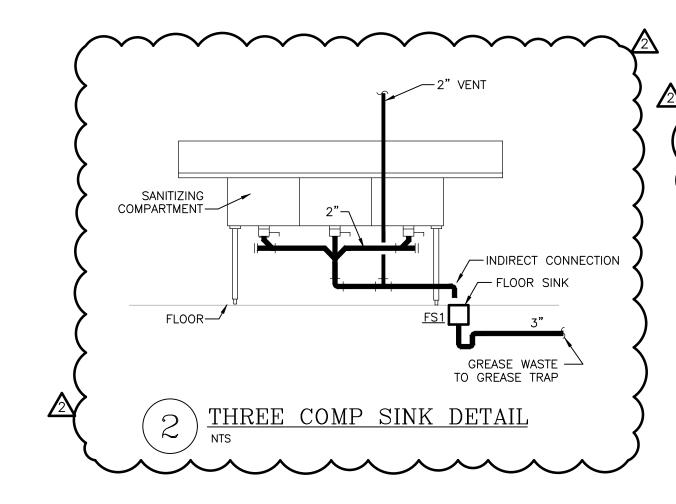
> PLUMBING CONTRACTOR SHALL INSPECT ALL PLUMBING EQUIPMENT TO REMAIN. REPORT ANY DEFICIENCIES TO OWNER PRIOR TO START OF WORK.

 CONTRACTOR SHALL LABEL ALL PIPING, VALVES AND EQUIPMENT WITH MANUFACTURER STANDARD LABELING SYSTEMS. COORDINATE WITH OWNER FOR FINAL EQUIPMENT DESIGNATIONS.



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

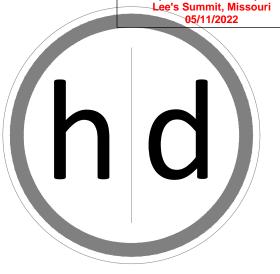




(-) PLUMBING PLAN NOTES:

BUILDING OPENING.

- 1. EXTEND 4" SANITARY TO EXISTING SANITARY MAIN SERVING THIS SPACE. FIELD VERIFY EXACT LOCATION AND FLOW DIRECTION.
- 2. EXTEND NEW 3" VENT SYSTEM TO EXISTING VENT SYSTEM SERVING RESTROOM. FIELD VERIFY EXISTING LOCATION. MAINTAIN A MINIMUM OF 10'-0" FROM ANY AIR INTAKE OR
- 3. COORDINATE EXACT LOCATION OF ALL FLOOR SINKS AND FLOOR DRAINS WITH FINAL OWNER EQUIPMENT LAYOUT. COORDINATE EXACT ROUGH-IN LOCATION OF ALL UTILITIES WITH FINAL OWNER EQUIPMENT LAYOUT AND CAPACITIES. CONNECT UTILITIES TO ALL KITCHEN EQUIPMENT PER KITCHEN EQUIPMENT MANUFACTURER REQUIREMENTS, FIXTURE CONNECTION SCHEDULE AND LOCAL CODES. ROUTE ALL KITCHEN EQUIPMENT INDIRECT DRAINS TO NEAREST FLOOR
- 4. LOCATE GREASE INTERCEPTOR ON STAND WHERE SHOWN. COORDINATE HEIGHT OF STAND AS REQUIRED TO MEET FLOW LINE OF GREASE WASTE PIPING CONNECTING TO EXISTING SYSTEM. PROVIDE FLOW CONTROL DEVICE ON GREASE INTERCEPTOR INLET WHERE SHOWN. ALL KITCHEN DRAINAGE SHALL ENTER THE FLOW CONTROL DEVICE BEFORE ENTERING THE GREASE INTERCEPTOR. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. INSTALL GREASE TRAP AND VENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 5. EXTEND COLD WATER DOWN TO BEVERAGE SYSTEM. CONNECT TO BEVERAGE SYSTEM THROUGH A BEVERAGE RATED DOUBLE-CHECK VALVE BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODE. COORDINATE WITH FIXTURE CONNECTION SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 6. PROVIDE NEW NATURAL GAS SERVICE WHERE SHOWN. REFER TO NATURAL GAS LOAD SCHEDULE FOR DISTANCE, CAPACITY AND SIZING DETAILS.
- 7. EXTEND NATURAL GAS TO ROOFTOP UNIT ON ROOF. PROVIDE DIRT LEG AND GAS COCK AT ROOFTOP UNIT CONNECTION. REFER TO ROOFTOP UNIT INSTALLATION INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS. COORDINATE WITH HVAC CONTRACTOR.
- 8. LOCATE WATER HEATER WHERE SHOWN. CONNECT WATER PIPING AND EXPANSION TANK TO WATER HEATER SYSTEM PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONNECT NATURAL GAS TO WATER HEATER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODE. EXTEND FLUE/VENT PIPING AND COMBUSTION AIR PIPING TO ROOF AND LOCATE PER MANUFACTURER'S INSTALLATION 2 NASTRUCTIONS.
 - EXTEND 1-1/2" NATURAL GAS DOWN TO SERVE COOKLINE AS INDICATED. PROVIDE SOLENOID VALVE AS PART OF THE KITCHEN HOOD SYSTEM FOR NATURAL GAS SUPPLY TO ALL EQUIPMENT. VALVE SHALL CLOSE IN THE EVENT THAT THE HOOD ANSUL SYSTEM IS DISCHARGED. COORDINATE WITH KITCHEN EXHAUST HOOD SYSTEM MANUFACTURER. O. EXTEND 3/4"CW TO EXISTING COLD WATER SERVING THIS SPACE. FIELD VERIFY EXACT LOCATION.
 - 11. DISCHARGE WASTE FROM THE THREE-COMPARTMENT SINK TO FLOOR SINK INDICATED. PROVIDE A 1" (MIN) AIR GAP AT DISCHARGE TO FLOOR SINK. DISCHARGE DRAIN LINE THROUGH AN INDIRECT PIPE AS SPECIFIED IN SECTIONS 802.1.1 THROUGH 802.1.8 OF THE INTERNATIONAL PLUMBING
 - 12. EXISTING PLUMBING FIXTURES IN ROOM INDICATED TO REMAIN.



CONSTRUCTION As Noted on Plans Review

ARCHITECTURE

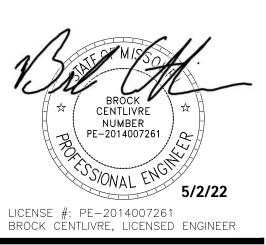
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State Certificate of Authority Number:

Name - Gregory D. Highbarger License -Missouri - 007530

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1/14/2022 Job Number 22-001 Drawn By Checked By Revisions Number Date Description

PLUMBING FIXTURE SCHEDULE:

INFORMATION BELOW IS FOR GENERAL FIXTURE REQUIREMENTS ONLY.
PLUMBING CONTRACTOR SHALL COORDINATE WITH OWNER AND
ARCHITECT FOR EXACT FIXTURE REQUIRED FOR THE PROJECT.
COORDINATE WITH OWNER FOR INFORMATION ON PROCURING FIXTURES
AND ASSOCIATED COSTS. CONTRACTOR SHALL BE CLEAR AS TO WHAT
FIXTURES ARE INCLUDED IN THEIR PROPOSED COSTS.

FIXTURES IN THIS SCHEDULE, OR THE APPROVED EQUIVALENT, SHALL BE PROVIDED BY THE PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR FURTHER REQUIREMENTS.

- EITH EXPANSION TANK: 150 PSIG MAXIMUM WORKING PRESSURE, 4.5—GALLON CAPACITY, 0.45 MAXIMUM ACCEPTANCE FACTOR, AND 3/4" PIPE CONNECTION. SET THE AIR CHARGE PRESSURE TO MATCH EXISTING WATER SYSTEM PRESSURE.
- MATCH EXISTING WATER SYSTEM PRESSURE.

 TYPE: EXPANSION TANK SHALL BE ASME APPROVED, DIAPHRAGM TYPE EXPANSION.
- FCO1

 FLOOR CLEANOUT: CAST IRON BODY, FLASHING FLANGE WITH CLAMPING COLLAR, ABS PLUG, AND ADJUSTABLE, ROUND, SECURED, HEAVY DUTY SCORIATED NICKEL BRONZE TOP. INSTALL PER MANUFACTURER'S REQUIREMENTS BASED ON FLOORING TYPE USED. PROVIDE ACCESSORIES AS REQUIRED FOR PROPER INSTALLATION. COORDINATE FINISH TYPE WITH ARCHITECTURAL PLANS.
- FS1

 FLOOR SINK: 6" DEEP (MIN) CAST IRON BODY WITH ACID RESISTING ENAMELED INTERIOR, ANCHOR FLANGE WITH SEEPAGE HOLES, CLAMP COLLAR, ALUMINUM SEDIMENT BUCKET AND NICKEL BRONZE RIM AND HALF GRATE. USE PUSH ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS. PROVIDE ADAPTER FOR CONNECTION TO DRAIN PIPING MATERIAL USED.
- GI1

 GREASE INTERCEPTOR: SCHIER MODEL GB3 BELOW GRADE SEAMLESS POLYETHYLENE TANK TYPE GREASE INTERCEPTOR WITH COVER. INTERCEPTOR SHALL BE CERTIFIED TO ASME A112.14.3 AND CSA B481.1. PROVIDE WITH BUILT—IN TEST CAPS WATER/GAS—TIGHT SEAL ON COVER. PROVIDE PUMPOUT PORT KIT AND ASSOCIATED FLOW RISER. FLOW RATE OF 50 GPM AND 270 LBS OF GREASE CAPACITY. 4" INLET AND OUTLET. PROVIDE FLOW RESTRICTORS (MAX 50 GPM) ON ALL DISCHARGE DRAINS SERVING THIS INTERCEPTOR.
- JS1
 JANITOR'S SINK: 24"W x 24"L x 10"H MOLDED FIBER BASIN WITH INTEGRAL STAINLESS STEEL DRAIN BODY.
- INTEGRAL STAINLESS STEEL DRAIN BODY.

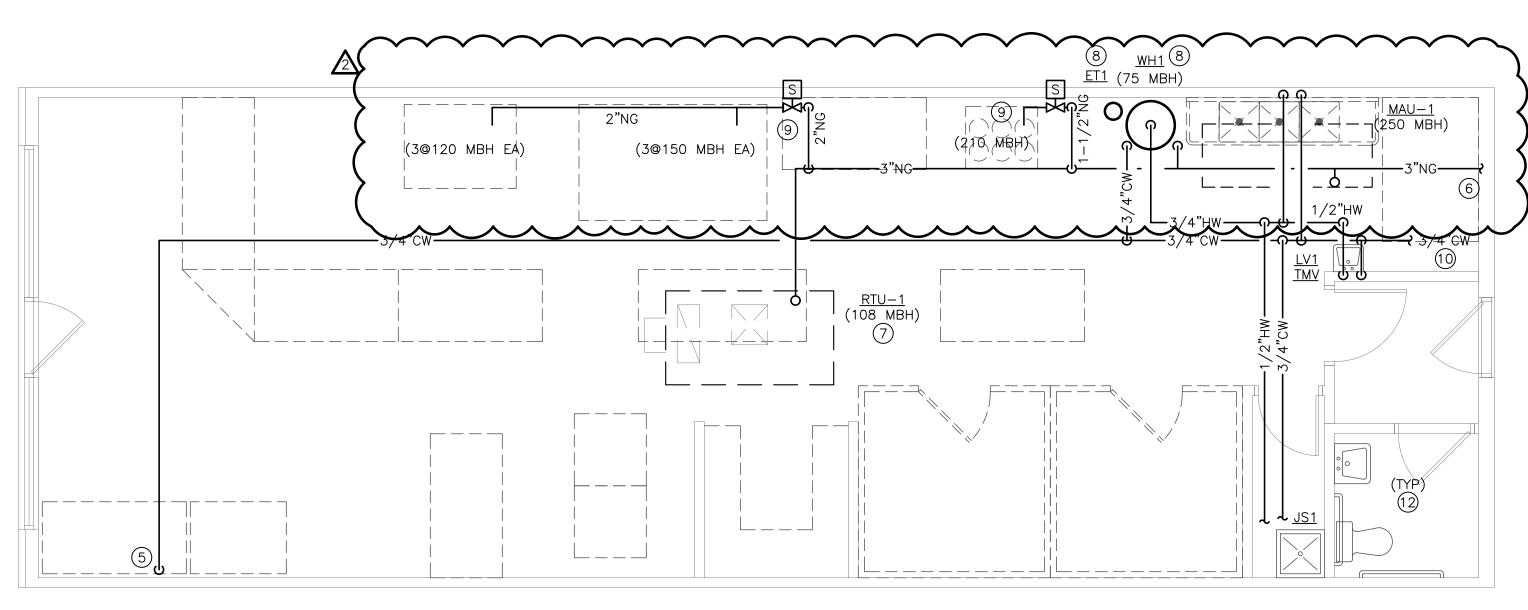
 FAUCET: FAUCET WITH WALL BRACE, INTEGRAL VACUUM BREAKER, PAIL HOOK, AND 3/4" MALE HOSE THREADED OUTLET. SECURE
- FAUCET IN WALL WITH BACKBOARD.

 TRIM: TYPE 304 20—GAUGE STAINLESS STEEL WALL SURROUNDS, 3'—0" LONG REINFORCED HOSE WITH 3/4" CHROME COUPLING AND WALL HOOK, EXTRUDED VINYL BUMPER GUARD, AND 2'—0" STAINLESS STEEL MOP HANGER.
- WALL-MOUNTED LAVATORY (ADA ACCESSIBLE): RECTANGULAR WALL MOUNTED WHITE VITREOUS CHINA FIXTURE WITH FAUCET LEDGE
- AND FRONT OVERFLOW.

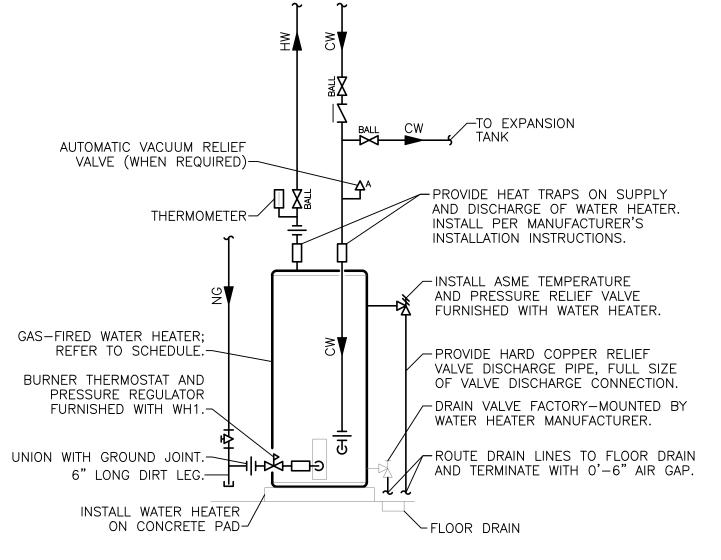
 FAUCET: FAUCET WITH 4" CENTERSET, VANDAL—RESISTANT, WITH
- LEVER HANDLES AND 0.5 GPM AERATOR.

 TRIM: GRID DRAIN WITH TAILPIECE, QUARTER—TURN BALL TYPE
 ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, 1—1/4"
 17—GAUGE TUBULAR CHROME PLATED BRASS ADJUSTABLE P—TRAP
 AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON,
 CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR, AND
 INSULATION KIT FOR WATER AND WASTE PIPES.
- THERMOSTATIC MIXING VALVE: SOLID BRASS BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 2.2 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.5 GPM. MAXIMUM TEMPERATURE STOP SET FOR 110 DEGREES. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLANS.
- WH1
 WATER HEATER: NATURAL GAS, 60 GALLON, 75 MBH INPUT, 90°F TEMPERATURE RISE AND 140°F OPERATING TEMPERATURE. PROVIDE ALL WATER CONNECTIONS, VALVES, AND SPECIALS PER
- MANUFACTURER'S INSTALLATION REQUIREMENTS.

 ELECTRICAL REQUIREMENTS: 120 VOLT, SINGLE PHASE POWER.



1) PLUMBING WATER AND GAS PLAN
SCALE: 1/4" = 1'-0"



NOTES:

INSTALL PER MANUFACTURER'S REQUIREMENTS.

2 WATER HEATER DETA

- PLUMBING PLAN NOTES:

- EXTEND 4" SANITARY TO EXISTING SANITARY MAIN SERVING
 THIS SPACE. FIELD VERIFY EXACT LOCATION AND FLOW DIRECTION.
- 2. EXTEND NEW 3" VENT SYSTEM TO EXISTING VENT SYSTEM SERVING RESTROOM. FIELD VERIFY EXISTING LOCATION. MAINTAIN A MINIMUM OF 10'-0" FROM ANY AIR INTAKE OR BUILDING OPENING.
- 3. COORDINATE EXACT LOCATION OF ALL FLOOR SINKS AND FLOOR DRAINS WITH FINAL OWNER EQUIPMENT LAYOUT. COORDINATE EXACT ROUGH—IN LOCATION OF ALL UTILITIES WITH FINAL OWNER EQUIPMENT LAYOUT AND CAPACITIES. CONNECT UTILITIES TO ALL KITCHEN EQUIPMENT PER KITCHEN EQUIPMENT MANUFACTURER REQUIREMENTS, FIXTURE CONNECTION SCHEDULE AND LOCAL CODES. ROUTE ALL KITCHEN EQUIPMENT INDIRECT DRAINS TO NEAREST FLOOR
- 4. LOCATE GREASE INTERCEPTOR ON STAND WHERE SHOWN.
 COORDINATE HEIGHT OF STAND AS REQUIRED TO MEET FLOW
 LINE OF GREASE WASTE PIPING CONNECTING TO EXISTING
 SYSTEM. PROVIDE FLOW CONTROL DEVICE ON GREASE
 INTERCEPTOR INLET WHERE SHOWN. ALL KITCHEN DRAINAGE
 SHALL ENTER THE FLOW CONTROL DEVICE BEFORE ENTERING
 THE GREASE INTERCEPTOR. INSTALL PER MANUFACTURER'S
 INSTALLATION INSTRUCTIONS. INSTALL GREASE TRAP AND VENT
 PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 5. EXTEND COLD WATER DOWN TO BEVERAGE SYSTEM.
 CONNECT TO BEVERAGE SYSTEM THROUGH A BEVERAGE RATED
 DOUBLE—CHECK VALVE BACKFLOW PREVENTER AS REQUIRED
 BY LOCAL CODE. COORDINATE WITH FIXTURE CONNECTION
 SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 6. PROVIDE NEW NATURAL GAS SERVICE WHERE SHOWN. REFER TO NATURAL GAS LOAD SCHEDULE FOR DISTANCE, CAPACITY AND SIZING DETAILS.
- 7. EXTEND NATURAL GAS TO ROOFTOP UNIT ON ROOF. PROVIDE DIRT LEG AND GAS COCK AT ROOFTOP UNIT CONNECTION. REFER TO ROOFTOP UNIT INSTALLATION INSTRUCTIONS FOR ADDITIONAL REQUIREMENTS. COORDINATE WITH HVAC CONTRACTOR.
- 8. LOCATE WATER HEATER WHERE SHOWN. CONNECT WATER PIPING AND EXPANSION TANK TO WATER HEATER SYSTEM PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONNECT NATURAL GAS TO WATER HEATER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND LOCAL CODE. EXTEND FLUE/VENT PIPING AND COMBUSTION AIR PIPING TO ROOF AND LOCATE PER MANUFACTURER'S INSTALLATION
- 9. EXTEND 1-1/2" NATURAL GAS DOWN TO SERVE COOKLINE AS INDICATED. PROVIDE SOLENOID VALVE AS PART OF THE KITCHEN HOOD SYSTEM FOR NATURAL GAS SUPPLY TO ALL EQUIPMENT. VALVE SHALL CLOSE IN THE EVENT THAT THE HOOD ANSUL SYSTEM IS DISCHARGED. COORDINATE WITH KITCHEN EXHAUST HOOD SYSTEM MANUFACTURER.

 10. EXTEND 3/4 CW TO EXISTING COLD WATER SERVING THIS SPACE. FIELD VERIFY EXACT LOCATION.
 - 11. DISCHARGE WASTE FROM THE THREE—COMPARTMENT SINK TO FLOOR SINK INDICATED. PROVIDE A 1" (MIN) AIR GAP AT DISCHARGE TO FLOOR SINK. DISCHARGE DRAIN LINE THROUGH AN INDIRECT PIPE AS SPECIFIED IN SECTIONS 802.1.1 THROUGH 802.1.8 OF THE INTERNATIONAL PLUMBING CODE
- 12. EXISTING PLUMBING FIXTURES IN ROOM INDICATED TO REMAIN.



CONSTRUCTION
As Noted on Plans Review

ARCHITECTURE

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CENTLIVRE
NUMBER
PE-2014007261
5/2/22

NUMBER
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5/2/22

LICENSE #: PE-2014007261

BROCK CENTLIVRE, LICENSED ENGINEER

NE Lakewood Bouleval

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Date 1/14/2022
Job Number 22-001
Drawn By
Checked By

Revisions
Number Date Description

1100 Main Street, 4th Flo Kansas City, MO 64105 Missouri COA: 2017040 913-689-9449 contact@5by5eng.com 5by5eng.com



FIXTURE	WASTE	VENT	COLD	HOT	NOTES
CARBONATORS	SEE MANU	JFACTURER'S INS	TALLATION INST	RUCTIONS	DCV8
SHWASHERS, GLASSWASHER, WAREWASHER	SEE MANU	JFACTURER'S INS	TALLATION INST	RUCTIONS	RP
FLOOR DRAIN	2"	2"			
ICE MAKERS / SODA DISPENSERS	SEE MANU	JFACTURER'S INS	TALLATION INST	RUCTIONS	DCVB
JANITOR'S SINK	2"	1-1/2"	1/2"	1/2"	VB
LAVATORY - PUBLIC	2"	1-1/2"	1/2"	1/2"	TMV
SINK - HANDWASH	2"	1-1/2"	1/2"	1/2"	TMV
					<u></u>

DCV: DOUBLE CHECK VALVE ASSEMBLY, LINE SIZED, CONFORMING TO ASSE 1015.

DCVB: DOUBLE CHECK VALVE ASSEMBLY, LINE SIZED, CONFORMING TO ASSE 1022.

RP: REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY, LINE SIZED, CONFORMING TO ASSE 1013.

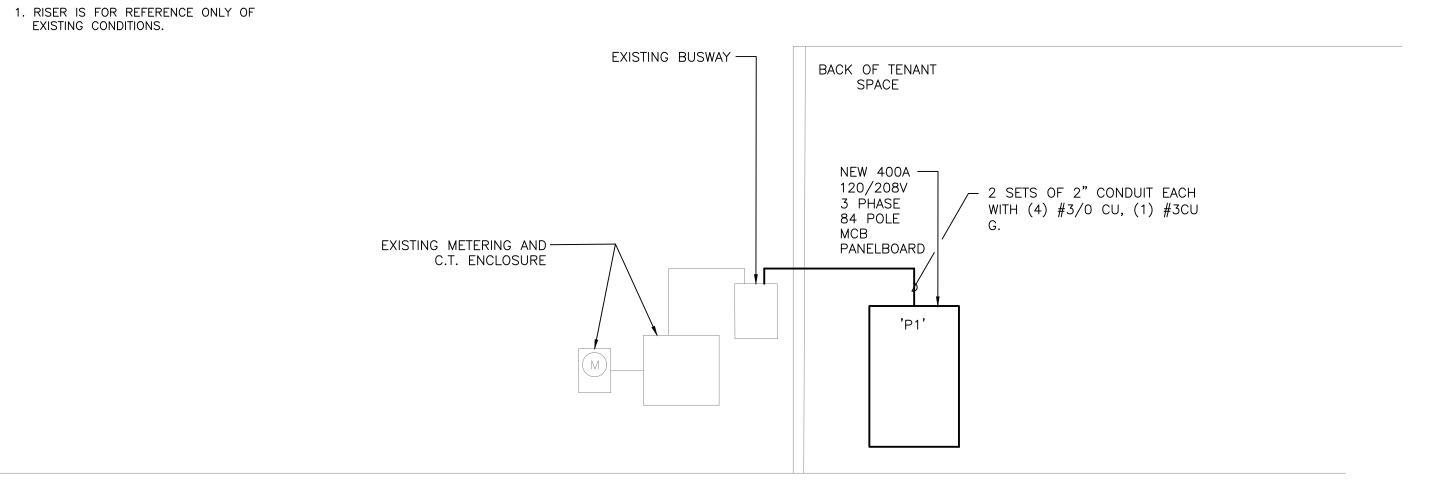
TMV: POINT OF USE TYPE THERMOSTATIC MIXING VALVE CONFORMING TO ASSE 1070.

VB: ATMOSPHERIC TYPE VACUUM BREAKER CONFORMING TO ASSE 1020.

INSTALL BACKFLOW PREVENTION DEVICES ON EQUIPMENT AND FIXTURES PER LOCAL WATER COMPANY REQUIREMENTS.
ALL BACKFLOW PREVENTERS SHALL BE IN AN ACCESSIBLE LOCATION FOR PERIODIC INSPECTION AND TESTING.

								PANE	ELBO	ARD P	1							
		BUS AMPS		400A				LOCATION		ELECTRIC			GR	DUND B	US:	YES		
		MAIN SIZE		MCB				NEMA RA		NEMA 1					JND BUS:	NO		
		VOLTS/PHA			20V,	3PH, 4V	V	AFC VALU		FIELD VEF	RIFY				J LUGS:	NO		
		MOUNTING		SURFA	CE	,		AIC RATIN	G:	65,000			SEC	CTIONS:		1 OF 1		
	CKT	CIRCUIT		BREAK	(FR	WIRE	LOAD	CONNEC	TED PER F	PHASE (VA)	LOAD	WRE	BR	EAKER	CIR	CUIT	СКТ	
OTES	#	DESCRIPTION		AMPS	Р	SIZE	(VA)	A	В	C C	(VA)	SIZE		AMPS		CRIPTION		NOTES
0120		GEN. RECEPT.			1	#12	360	720			360	#12	1			RESTROOM		110120
		WATER HEATER WH1		20		#12	200	120	2,001	-	1,801	#12	I	20	RECEPT - F	RESTROOM	2	1
GFGI		SALAD PREP TABLE		20		#12	1,800		2,001	3,601	1,801	#12	3	20	WALK-IN F	DEE 7ED	6	
GFG	7	SALAD FREF TABLE		20	 '	#12	1,800	3,602		3,001	1,801	#12	J	20	VVALITIN FI	NEEZEN	8	
		WALK-IN COOLER		20	3	#12	1,801	3,002	2,641		840	#12	1	20	DOUGH SH	IEETED	10	
	11	WALK-IN COOLER		20	3	#12	1,801		2,041	1,981	180	#12	1		PIZZA PRE		12	
GFCI		PIZZA PREP TABLE		20	1	#12	1,800	6,245		1,901	4,445	#12	'	20	FIZZA FINLI	F NEOLF I.	14	
GIG		EX HOOD LTG & CNTR	S	20	2	12	432	0,240	4,877	1	4,445	#8	3	50	CONVEYER	ROVEN	16	1
	17	EX HOOD ETG & CIVITA		1 20	_	'2	432		4,077	4,877	4,445	#0		50	OONVETE	COVEN	18	1
-		SPARE		20	1		0	1,200		1,077	1,200	#12	1	20	HOT BOXES	S TABLE	20	GFCI
-		OFFICE RECEPTACLES		20	1	#12	1,080	1,200	2,280		1,200	#12	1		HOT BOXES		22	GFCI
		GEN. RECEPT.		20	1	#12	360		,0	1,560	1,200	#12	1		HOT BOXES		24	GFCI
-+		POS SYSTEM		20	1	#12	900	3,420		.,000	2,520	#10	1		DISPLAY F		26	GFCI
GFCI		DRINKS - DISPLAY FRIC	}	30	1	#10	2,520	0, 120	2,700		180	#12	1			MAKER TABLE RECEP		1
G., G.		SLICER		20	1	#12	840			1,020	180	#12	1	1	GEN. RECE		30	1
		SANDWICH MAKING TA	BLE	20	1	#12	1,800	3,600		1,122	1,800	#12	1			ICE COOLER	32	GFCI
	33			1	<u> </u>		4,803	,	11,043		6,240	#4	2		DECK OVE		34	1
		DECK OVEN		50	3	#8	4,803		,.	11,043	6,240	1	_				36	
	37						4,803	5,163		11,111	360	#12	1	20	GEN. RECE	PT.	38	
		GELATO DISPLAY FRE	ZER	20	1	#12	1,800	,	1,980		180	#12	1			PT. (ON ROOF)	40	
	41	SPARE		20	1		0		,	900	900	#12	1		LTG	,	42	
,	SECTION																	
	43			Т	П		5,091	5,591			500	#12	1	20	OVEN CON	ITROLS	44	
	45	RTU-1 7.5 TON		50	3	#8	5,091		5,091	1	0		X		SHUNT TRI	P SECTION	46	
	47						5,091			5,591	500	#12	1	20	STOVE CO	NTROLS	48	
	49	SPARE		20	1		0	0			0		X		SHUNT TRI	P SECTION	50	
	51	SPARE		20	1		0		0		0		1	20	SPARE		52	
	53	SPARE		20	1		0			0	0		1	20	SPARE		54	
	55	SPACE					0	0			0		1	20	SPARE		56	
	57	SPACE					0		0		0				SPACE		58	
	59	SPACE					0			0	0				SPACE		60	
		SPACE					0	0			0				SPACE		62	
		SPACE					0		0		0				SPACE		64	
		SPACE					0			0	0				SPACE		66	
		SPACE					0	0			0				SPACE		68	
		SPACE					0		0		0				SPACE		70	
		SPACE					0			0	0				SPACE		72	
		SPACE					0	0			0				SPACE		74	
		SPACE					0		0		0				SPACE		76	
		SPACE					0			0	0				SPACE		78	
		SPACE					0	0			0				SPACE		80	
		SPACE		1			0		0		0				SPACE		82	
	83	SPACE		<u> </u>	<u> </u>		0			0	0	<u></u>		<u> </u>	SPACE		84	<u> </u>
				PEF	R PH	ASE SU	B-TOTALS	29,541	32,613	30,573	LEGEND:							
			TOTAL CO	ONNECTE	D P	ANELBO	DARD (VA)	92,727		TS - VIA T	IME SW	TCH	1		ST - SHUNT TRIP		
		1	OTAL CON				•	^	257		GF - GRO				UPTER	LCK - LOCKING TAB		
							AND (VA	·	92,952							IG - ISOLATED GROUN	D	

ELECTRICAL RISER NOTES:



1 ELECTRICAL RISER DIAGRAM SCALE: N/A

ELECTRICAL GENERAL NOTES:

REFER TO SHEET E3.0 FOR ELECTRICAL GENERAL
DEMOLITION NOTES AND ELECTRICAL GENERAL

ELECTRICAL PLAN NOTES:

1. PROVIDE POWER CONNECTION TO WATER HEATER CONTROLS. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT REQUIREMENTS AND EXACT LOCATION.

2. ROUTE HOMERUN VIA HOOD CONTROLS.

3. PROVIDE JUNCTION BOX FOR CONNECTION TO EXHAUST HOOD LIGHTING AND CONTROLS. COORDINATE WITH KITCHEN EQUIPMENT SUPPLIER AND MECHANICAL CONTRACTOR.

4. PROVIDE POWER CONNECTION TO WALK-IN COOLER. CONFIRM EXACT POWER REQUIREMENTS AND LOCATION WITH FINAL EQUIPMENT SELECTION.

5. PROVIDE POWER CONNECTION TO WALK—IN FREEZER. CONFIRM EXACT POWER REQUIREMENTS AND LOCATION WITH FINAL EQUIPMENT SELECTION.

6. NEW DUCT SMOKE DETECTOR FURNISHED WITH UNIT AND MOUNTED IN RETURN PLENUM. E.C. INSTALL TEST/RESET BUTTON IN ACCESSIBLE LOCATION

7. CONFIRM RECEPTACLE REQUIRMENTS FOR ALL KITCHEN EQUIPMENT PRIOR TO INSTALL. REFERENCE MANUFACTURER SPECIFICATIONS FOR ADDITIONAL INFORMATION.

8. PROVIDE GFCI TYPE RECEPTACLE FOR ALL KITCHEN RECEPTACLES. FOR LARGE EQUIPMENT PROVIDE GFCI TYPE CIRCUIT BREAKER AT PANEL FOR EASE OF ACCESS.

9. REMOVE EXISTING PANELBOARD AND ALL ASSOCIATED CONDUIT AND CIRCUITRY BACK TO SOURCE OR TO NEARS

DEVICE TO REMAIN.

10. PROVIDE NEW 400A 120/208V 3 PHASE 4 WIRE 84 POLE MCB PANELBOARD TO SERVE SPACE. PROVIDE NEW FEEDER CONNECTION FROM EXISTING BUSWAY ON BACK OF BUILDING TO NEW PANELBOARD. CONFIRM NEW PANELBOARD MAY BE INSTALLED IN GENERAL LOCATION SHOWN. NOTIFY ENGINEER OF DISCREPANCIES.



CONSTRUCTION
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ARCHITECTURE

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LICENSE #: PE-2014007261 BROCK CENTLIVRE, LICENSED ENGINEER

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1/14/2022 Job Number Drawn By Checked By

Revisions Number Date

5 BY 5

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						LIGHT FIX	TURE SCH	HEDULE				
TYPE	MANUFACTURER AND MODEL#	EQUAL MANUFACTURER AND MODEL#	LIGHT SOURCE	WATTS	MINIMUM LUMENS	VOLTAGE	CRI	COLOR TEMP	DIMMABLE	FINISH	DESCRIPTION	NOTES
A1	HE WILLIAMS 50G-S-2-2-L43-9 40-F-AF12125-DIM-UNV	LITHONIA	INTEGRAL LED	34	4360	UNV	80	4000	0-10V / 10%	WHITE	2'X2' LED STATIC TROFFER.	1-5
EM	HE WILLIAMS - EMER/LED- WHT-SDT-D	LITHONIA - ELM6L-B-UVOLT- LTP-SDRT-	INTEGRAL LED	6	1100	UNV	80	-	0-10V / 10%	WHITE	EMERGENCY CEILING MOUNTED FIXTURE. FIXTURE SHALL BE PROVIDED WITH INTEGRAL EMERGENCY 90 MINUTE BATTERY PACK.	1-5
X1EM	SURELITE APCH7R	LITHONIA - LHQM LED	INTEGRAL LED	10.3	-	UNV	NA	NA	NA	то	COMBINATION EMERGENCY EGRESS /SINGLE FACE LED EXIT LIGHT FIXTURE WITH BATTERY PACK, RED LETTERS AND FIELD CONFIGURED ARROWS.	1-5
;	RDINATE ALL LIGHT FIXTURE SE	ELECTIONS AND/OR SUBSTITUTION TARE COMPATIBLE WITH FIXTURE		ECT, OW	NER AND/OR	ENGINEER PI	RIOR TO ORE	DER.				

		LIGHTING CONTROL DEV	/ICE SCHEDULE					
TAG	MANUFACTURER AND MODEL SERIES	SENSOR DESCRIPTION	COVERAGE AREA (WxD OR RADIUS Ø)	VOLTAGE	MODE SETTINGS	TIME DELAY	DEVICE FINISH COLOR	SENSO NOTES
VALL SWITCH	OCCUPANCY SENSO	DRS						
OS	WATTSTOPPER PW-301	SINGLE-RELAY PASSIVE INFRARED OCCUPANCY SENSOR WALL SWITCH WITH MANUAL OVERRIDE BUTTON.	MAJOR 30' x 35' MINOR 15' x 20'	120/277V	MANUAL ON AUTO OFF	5 MIN	WHITE	1
OSD	WATTSTOPPER PW-311	SINGLE-RELAY PASSIVE INFRARED DIMMABLE OCCUPANCY SENSOR WALL SWITCH WITH MANUAL OVERRIDE BUTTON.	MAJOR 30' x 35' MINOR 15' x 20'	120/277V	AUTO ON AT 50% AUTO OFF	5 MIN	WHITE	1
EILING MOU	NTED DAYLIGHT / O	CCUPANCY SENSORS						
OS	WATTSTOPPER LMDC-100	CEILING MOUNT ULTRASONIC DIGITAL OCCUPANCY SENSOR. 360 DEGREE COVERAGE. PLUG-AND-PLAY CONFIGURATION, (2) RJ45 PORTS, LCD DISPLAY, IR RECEIVER, CONFIGURATION BUTTONS.	ULT MAJOR 25' X 25' PIR 32' Ø	24V	-	20 MIN	WHITE	2
OWER SUPP	LIES/ROOM CONTRO	DLLERS						
DRC1	WATTSTOPPER LMRC-211	DIGITAL SINGLE-RELAY ON/OFF/DIMMING ROOM CONTROLLER. 0-10V DIMMING. MAXIMUM 20A TOTAL LOAD RATING. PLUG-AND-PLAY CONFIGURATION, (4) RJ45 PORTS, LED STATUS INDICATORS, CONFIGURATION BUTTONS, PLENUM RATED.	-	120/277V LOAD, 24VDC CONTROL OUTPUT	AUTO ON AT 50%, AUTO OFF	-	-	
OW VOLTAG	E SWITCHES							
LVD#	WATTSTOPPER LMDM-101	DIGITAL DIMMING WALL SWITCH.	-	24VDC	-	-	WHITE	2,3,4

GENERAL NOTES: A. SENSOR LAYOUT BASED ON WATTSTOPPER COVERAGE PATTERNS. ADJUST QUANTITIES AND LOCATIONS FOR ALTERNATE MANUFACTURERS LISTED BELOW PER MANUFACTURER 3. nlight, sensor switch, cooper-greengate, crestron, hubbell building automation, and leviton are considered equivalent manufactures for submission as an

APPROVED MANUFACTURER, CONTINGENT ON LISTINGS APPROPRIATE FOR THE APPLICATION.

DURING SHOP DRAWINGS, PROVIDE LIGHTING PLANS SHOWING LOCATION, MOUNTING HEIGHT, ORIENTATION AND COVERAGE AREAS FOR EACH OCCUPANCY SENSOR FOR REVIEW AND APPROVAL BY ENGINEER. ALSO INCLUDE ON PLANS OTHER CEILING MOUNTED SYSTEMS, SHOWING COORDINATION WITH CEILING DEVICES INCLUDING BUT NOT LIMITED TO HVAC

PROVIDE ALL SENSORS BY THE SAME MANUFACTURER.

5. EQUIVALENTS MUST BE SUBMITTED AND APPROVED PRIOR TO BID.

PROVIDE COPIES OF SENSOR AND POWER SUPPLY OPERATION INSTRUCTIONS TO OWNER. PROVIDE WALL SWITCH AND CEILING SENSORS WITH AN ADJUSTABLE TIME DELAY RANGE OF 0-30 MIN, UNO.

3. COORDINATE WITH ARCHITECT, OWNER AND/OR ENGINEER FOR DIMMING REQUIREMENTS PRIOR TO INSTALLATION. 4. PROVIDE ALL COMPONENTS AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION.

DO NOT INSTALL LINE VOLTAGE SENSORS ON GFCI PROTECTED CIRCUITS.

FIELD-SET DEVICES TO THE ON MODE INDICATED IN TABLE, DISABLE ANY VISABLE/AUDIBLE ALERT SETTINGS, AND SET SENSITIVITIES TO MAXIMUM LEVELS. PROVIDE ALL LOW VOLTAGE WIRING BETWEEN SENSORS, DEVICES, AND POWER SUPPLIES AS REQUIRED AND PER MANUFACTURER RECOMMENDATIONS.

WHERE OCCUPANCY SENSORS USE BOTH PIR AND ULTRASONIC TECHNOLOGIES, PROGRAM OFF MODES (MAINTAIN OCCUPANCY AND RE-TRIGGER) TO TRIGGER ON A SIGNAL FROM WHERE MULTIPLE LOW VOLTAGE SWITCHES ARE CONNECTED WITHIN THE SAME SPACE, PROGRAM THE SWITCHES TO CONTROL THE LIGHTING IN THE EXACT SAME MANNER, UNO.

SENSOR NOTES: CONNECT NEUTRAL CONDUCTOR TO SENSOR.

PROVIDE CUSTOM BUTTON ENGRAVING PER ENGINEER'S DIRECTION.

PROVIDE POWER SUPPLY WITH UNSWITCHED HOT CONDUCTOR CONNECTION. COORDINATE DEVICE LOCATIONS IN FIELD. 4. NUMBER DENOTES HOW MANY SWITCHES NEEDED FOR CONTROL. (1) DIMMING SWITCH PER FIXTURE TYPE IN AREA.

ELECTRICAL GENERAL NOTES:

FURTHER INFORMATION.

ADDITIONAL INFORMATION.

INFORMATION.

REFER TO E3.0 FOR ELECTRICAL GENERAL NOTES.

2. PROVIDE DIMMABLE LOW VOLTAGE SWITCH FOR

3. PROVIDE NEW OCCUPANCY SENSING WALL MOUNTED

LIGHT SWITCH. SWITCH SHALL CONTROL EXHAUST FAN AND LIGHT IN SPACE. REFERENCE LIGHTING CONTROL DEVICE SCHEDULE ON SHEET E3.0 AND MECHANICAL PLANS FOR ADDITIONAL INFORMATION.

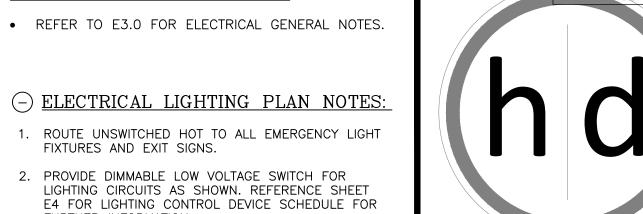
4. PROVIDE NEW DIMMABLE OCCUPANCY SENSING WALL MOUNTED LIGHT SWITCH. REFERENCE LIGHTING

CONTROL DEVICE SCHEDULE ON SHEET E3.0 FOR

DRAWINGS. REFERENCE LIGHTING CONTROL DEVICE SCHEDULE ON SHEET E3.0 FOR ADDITIONAL

6. PROVIDE NEW CEILING MOUNTED OCCUPANCY

5. PROVIDE NEW ROOM CONTROLLER, CONNECT TO CEILING MOUNT SENSORS AND LOW VOLTAGE SWITCHES IN ROOM PER MANUFACTURERS RECOMMENDATIONS AND AS SHOWN ON THE



CONSTRUCTION
As Noted on Plans Review

Lee's Summit, Missouri

ARCHITECTURE 15225 Broadmoor Street Overland Park, KS 66223

h|d Architecture, LLC State Certificate of Authority Number:

SENSOR. CONNECT TO ROOM CONTROLLERS AND LOW VOLTAGE SWITCHES PER MANUFACTURERS RECOMMENDATIONS AND AS SHOWN ON DRAWINGS. REFERENCE LIGHTING CONTROL DEVICE SCHEDULE ON SHEET E3.0 FOR ADDITIONAL INFORMATION.

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BROCK CËNTLIVRE, LICENSED ENGINEER

1/14/2022 Job Number Drawn By Checked By Number Date

EXISTING OR BY OTHERS

---- DEMOLITION

LIGHTING LEGEND:

• CEILING MOUNTED LIGHT FIXTURE, 2'x2' OR 2'x4'
• CEILING MOUNTED LIGHT FIXTURE, 2'x2' OR 2'x4'
(NIGHT LIGHT OR EMERGENCY CIRCUIT)

STRIP LIGHT FIXTURE. REFER TO FIXTURE SCHEDULE FOR LENGTH.

WALL-MOUNT SCONCE OR WALL BRACKET LIGHT

FIXTURE.

• CAN LIGHT FIXTURE.

RECESSED, SURFACE, OR STEM HUNG LIGHT FIXTURE.

SINGLE FACE EXIT LIGHT FIXTURE, WALL OR CEILING MOUNT, WITH FIELD CONFIGURABLE ARROWS. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS. SHADED AREA INDICATES EXIT LIGHT FACE.

DOUBLE FACE EXIT LIGHT FIXTURE, WALL OR

CEILING MOUNT, WITH FIELD CONFIGURABLE ARROWS. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS. SHADED AREA INDICATES EXIT LIGHT FACE.

COMBINATION SINGLE FACE EXIT/EMERGENCY

LIGHT FIXTURE, WALL OR CEILING MOUNT, WITH FIELD CONFIGURABLE ARROWS. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON DRAWINGS. SHADED AREA INDICATES EXIT LIGHT FACE.

NOTE: REFER TO LIGHT FIXTURE SCHEDULE AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL

INFORMATION AND MOUNTING HEIGHTS.

POWER LEGEND:

FOWER LEGEND:

[INDICATES ABOVE COUNTER (TYP)]

DUPLEX RECEPTACLE MOUNTED AT +18"AFF TO

CENTER OF RECEPTACLE (UNO). ABOVE COUNTER

RECEPTACLES SHALL BE +48"AFF (UNO).

DUPLEX ISOLATED GROUND RECEPTACLE MOUNTED AT +18"AFF TO CENTER OF RECEPTACLE (UNO). ABOVE COUNTER RECEPTACLES SHALL BE +48"AFF (UNO).

DUPLEX RECEPTACLE ON STAND-BY GENERATOR

POWER, MOUNTED AT +18"AFF TO CENTER OF RECEPTACLE (UNO). RECEPTACLES SHOWN ABOVE COUNTER SHALL BE +48"AFF (UNO).

FLOOR-MOUNTED DUPLEX OR FOURPLEX RECEPTACLE MOUNTED IN PVC FLOORBOX, OR POKE-THRU

SPECIAL RECEPTACLE, NUMBER REFERS TO "NEMA" CONFIGURATION. MOUNT AT +18"AFF TO CENTER OF RECEPTACLE (UNO).

FOURPLEX RECEPTACLE MOUNTED AT +18"AFF TO
CENTER OF RECEPTACLE (UNO). RECEPTACLES
SHOWN TO BE ABOVE COUNTER SHALL BE +48"AFF
(UNO)

FLUSH MOUNT COMBINATION POWER AND VOICE/DATA FLOORBOX.

SINGLE POLE WALL MOUNT TOGGLE SWITCH. MOUNT AT +48"AFF TO CENTER OF SWITCH.

\$8 WALL MOUNTED OCCUPANCY SENSOR SWITCH. MOUNT AT +48"AFF TO CENTER OF SWITCH.

\$₹ WALL MOUNTED OCCUPANCY SENSOR SWITCH WITH 0-10V DIMMING CONTROL. MOUNT AT +48"AFF TO CENTER OF SWITCH.

\$≥ WALL MOUNTED LOW VOLTAGE SWITCH WITH 0-10V DIMMING CONTROL. MOUNT AT +48"AFF TO CENTER OF SWITCH.

OS CEILING MOUNTED OCCUPANCY SENSOR.

SHALL BE +48"AFF (UNO).

DRC1 ROOM CONTROLLER/POWER PACK FOR LIGHT FIXTURE CONTROL. DEVICE SHALL BE CONCEALED IN CEILING.

✓ VOICE OPENING. PROVIDE RING WITH STRING TO
 ✓ ABOVE CEILING. DEVICES SHOWN TO BE COUNTER

DATA OPENING. PROVIDE RING WITH STRING TO
ABOVE CEILING. DEVICES SHOWN TO BE COUNTER
SHALL BE 148"AFE (UNO)

SHALL BE +48"AFF (UNO).

COMBINATION VOICE/DATA OPENING. PROVIDE RING
WITH STRING TO ABOVE CEILING. DEVICES SHOWN

TO BE COUNTER SHALL BE +48"AFF (UNO).

FLUSH FLOOR MOUNT VOICE/DATA OUTLET MOUNTED IN PVC FLOORBOX.

DISCONNECT SWITCH, STARTER, & COMBINATION
STARTER/DISCONNECT SWITCH. SIZE AS INDICATED ON DRAWINGS.

ELECTRICAL PANEL BOARD, FLUSH OR SURFACE MOUNT

J JUNCTION BOX

WIRING LEGEND:

NOTE: LINE THROUGH DEVICE INDICATES TO BE MOUNTED ABOVE COUNTERTOP OR CABINET. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS IF NOT INDICATED ON POWER PLAN.

REFER TO LIGHTING CONTROL DEVICE SCHEDULE AND

ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.

HOMERUN TO PANELBOARD WITH NUMBER AND SIZE OF

CONDUCTORS INDICATED ON PLANS.

GROUNDED CONDUCTOR.

CONDUIT OR CIRCUIT BREAK/CONTINUATION.

CONDUIT WITH ENDCAP FOR FUTURE USE.

L GROUNDING SOURCE.

FIRE ALARM LEGEND:

RETURN DUCT/PLENUM MOUNT SMOKE DETECTOR

ABBREVIATIONS LEGEND:

AFF ABOVE FINISHED FLOOR

ED EXISTING TO BE DEMOLISHED
EM EMERGENCY
ER EXISTING TO BE RELOCATED

ETR EXISTING TO REMAIN
GFCI GROUND FAULT CURRENT INTERRUPTER

GFCI GROUND FAULT CURRENT INTERRUPT
NL NIGHT LIGHT
TR TAMPER RESISTANT

UNO UNLESS NOTED OTHERWISE
WP WEATHER PROTECTED COVER / GFCI

ELECTRICAL GENERAL DEMOLITION NOTES:

 REFERENCE ARCHITECTURAL DRAWINGS FOR FULL EXTENT OF DEMOLITION WORK AND PHASING. NOTIFY ARCHITECT, ENGINEER, AND/OR OWNER, AS APPLICABLE, OF ANY CONFLICTS OR DISCREPANCIES BETWEEN DRAWINGS AND JOBSITE CONDITIONS PRIOR TO SUBMITTING BID.

 COORDINATE DEMOLITION AND REMOVAL OF EXISTING EQUIPMENT AND LIGHTING SYSTEMS WITH ARCHITECTURAL PHASING DRAWINGS AND OWNER TO ALLOW NECESSARY SYSTEMS TO REMAIN OPERATIONAL DURING CONSTRUCTION.

UNLESS NOTED OTHERWISE, DISPOSE OF ALL ELECTRICAL EQUIPMENT, LIGHT FIXTURES, AND DEVICES SHOWN TO BE REMOVED. COORDINATE WITH THE OWNER THE ITEMS TO BE SALVAGED, AND THE LOCATION FOR STORAGE. AVOID DAMAGING SALVAGED ITEMS DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION.

• WHERE ALTERATION OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, RACEWAYS, OR WIRING DEVICES AFFECTS EXISTING SURFACES/FINISHES: REPAIR/PAINT AFFECTED SURFACE TO MATCH EXISTING ADJACENT SURFACE IN ACCORDANCE WITH OWNER REQUIREMENTS. MAINTAIN FIRE RATING OF ALL FLOORS, WALLS, AND CEILINGS THAT ARE

WHERE DEMOLITION WORK INTERRUPTS ELECTRICAL CONTINUITY OF CIRCUITS THAT ARE TO REMAIN IN USE: PROVIDE NECESSARY DEVICES AND RELATED CIRCUITRY TO MAINTAIN ELECTRICAL CONTINUITY IN ACCORDANCE WITH OWNER REQUIREMENTS. RE—CIRCUIT REUSED ELECTRICAL EQUIPMENT, LIGHT FIXTURES, AND WIRING DEVICES PREVIOUSLY POWERED FROM DEMOLISHED EQUIPMENT TO NEW OR TEMPORARY EQUIPMENT AS NEEDED.

COORDINATE DISCONNECTION OF POWER TO EQUIPMENT BEING DEMOLISHED / REMOVED / RELOCATED WITH OTHER TRADES PRIOR TO START OF WORK. REMOVE ALL ELECTRICAL EQUIPMENT, LIGHT FIXTURES, RACEWAYS, WIRING DEVICES, AND RELATED CIRCUITRY NOT BEING REUSED IN ALL ACCESSIBLE AREAS INCLUDING FLOORS, WALLS, AND CEILINGS THAT ARE TO BE REMOVED.

• ELECTRICAL EQUIPMENT, RACEWAYS, AND RELATED CIRCUITRY ABANDONED IN PLACE SHALL BE PERMANENTLY DISCONNECTED FROM ALL POWER SOURCES, INSULATED FROM CONTACT WITH OTHER LIVE ELECTRICAL WIRING/DEVICES, AND IDENTIFIED AT TERMINATIONS AS NO LONGER BEING IN SERVICE. CABLES/WIRING NOT BEING REUSED SHALL BE REMOVED UNLESS IDENTIFIED FOR FUTURE USE. CARE SHOULD BE TAKEN DURING THE REMOVAL PROCESS TO PROTECT THE EXISTING REUSED CABLES/WIRING FROM DAMAGE.

ELECTRICAL GENERAL NOTES:

DRAWINGS ARE SCHEMATIC IN NATURE AND BASED ON PRELIMINARY SITE OBSERVATION AND ORIGINAL DESIGN DRAWINGS (WHEN AVAILABLE). PRIOR TO BID, CONTRACTOR SHALL INVESTIGATE THE PROJECT SITE AND BECOME FULLY AWARE OF ALL FIELD CONDITIONS, CURRENT SYSTEM OPERATION AS WELL AS COORDINATION REQUIREMENTS. COORDINATE ALL MECHANICAL WORK WITH ARCHITECTURAL DRAWINGS, EXISTING CONDITIONS AND OTHER TRADES PRIOR TO BID OR START OF WORK.

PRIOR TO BID OR START OF WORK.

• ELECTRICAL WORK SHALL CONFORM TO APPLICABLE CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION. REFER TO ARCHITECTURAL CODE PLANS FOR SPECIFIC CODE REFERENCES.

• COORDINATE ELECTRICAL WORK WITH ALL OTHER PROJECT TRADES (E.G. ARCHITECTURAL, STRUCTURAL, ELECTRICAL, PLUMBING, FIRE SPRINKLER, ETC.).

COORDINATE EXACT LOCATIONS OF ALL LIGHT FIXTURES AND ELECTRICAL DEVICES WITH ARCHITECTURAL DRAWING AND OTHER TRADES PRIOR TO ROUGH—IN. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRE TO PROPERLY INSTALL ALL SYSTEMS.

 INSTALL PULL STRING IN ALL EMPTY CONDUIT/RACEWAY. TERMINATE CONDUIT STUB-UP WITH A NYLON BUSHING.

COLOR FOR RECEPTACLES, SWITCHES, NETWORK DEVICES AND COVER PLATES SHALL MATCH. COLOR SHALL MATCH AND BE SELECTED AS BRIGHT WHITE UNLESS NOTED OTHERWISE. CONFIRM EXACT COLOR WITH ARCHITECT PRIOR TO ORDER.

 ELECTRICAL CONTRACTOR SHALL INSPECT ALL ELECTRICAL EQUIPMENT TO REMAIN. REPORT ANY DEFICIENCIES TO OWNER PRIOR TO START OF WORK.

 ALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL METALLIC TUBING (EMT) AS REQUIRED BY THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (NEC). ALL INSTALLATIONS SHALL BE PER NEC REQUIREMENTS.

• AT CONTRACTOR'S OPTION, MC CABLE CAN BE USED FOR CIRCUITING CONNECTIONS TO RECEPTACLES AND LIGHTING. "HOME RUNS" SHALL BE ROUTED IN CONDUIT. ALL INSTALLATIONS SHALL BE PER NEC REQUIREMENTS.

 CONTRACTOR SHALL VERIFY ALL ROUGH—IN LOCATIONS AND QUANTITIES FOR GENERAL USE POWER AND DATA WITH OWNER AND/OR ARCHITECT PRIOR TO INSTALLATION.

CIRCUITS FOR GENERAL USE POWER SHALL HAVE A
 MAXIMUM OF 6 RECEPTACLES ON A CIRCUIT (A SINGLE
 4-PLEX RECEPTACLE COUNTS FOR 2 OF THE ALLOWED 6
 RECEPTACLES).

 ALL WIRE SIZES LISTED ON PLANS ASSUME COPPER CONDUCTORS ARE USED (UNLESS NOTED OTHERWISE).

 CONTRACTOR SHALL LABEL ALL RECEPTACLES, BOXES, PANELBOARDS, ETC. WITH PANEL, CIRCUIT NUMBER, ETC. PER INDUSTRY STANDARDS. COORDINATE WITH OWNER FOR FINAL PANEL AND EQUIPMENT DESIGNATIONS.

ALL DEVICES (WHERE APPLICABLE) SHALL BE VERTICALLY IN LINE.

Lee's Summit, Missouri 05/11/2022

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Revisions

Number Date Description

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