

DUCT SIZING METHOD
 SIZE ANY NEW DUCTWORK USING A
 FRICTION FACTOR OF 0.08"
 PER 100 FT OF DUCT. FLEX SHALL BE
 SIZED 0.05" PER 100 FT.

NOTE:
 ADD INTERLOCK TIMER FOR OVEN AND OVEN
 EXHAUST.

NOTE:
 PROVIDE WALL MOUNTED TEMPERATURE SENSORS IN
 EACH ZONE. PRIOR TO INSTALLATION VERIFY LOCATION
 OF TEMPERATURE SENSOR DOES NOT CONFLICT WITH
 WALL GRAPHICS, WALL ARTWORK, MENU BOARDS, AND
 BADGES.

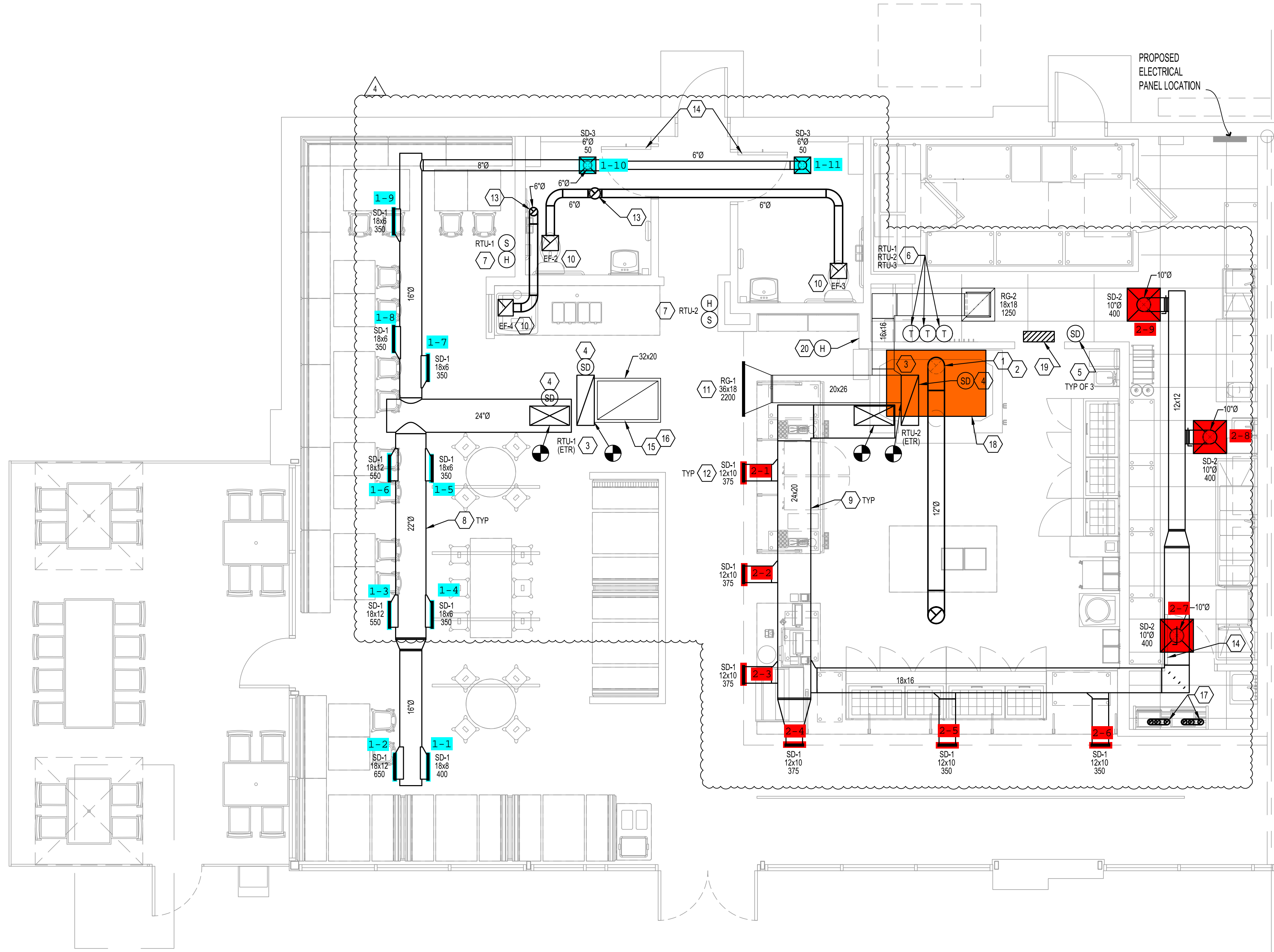
NOTE:
 UPON ACTIVATION OF ANY FIRE EXTINGUISHING SYSTEM FOR A
 COOKING OPERATION, ALL SOURCES OF FUEL AND ELECTRIC
 POWER THAT PRODUCE HEAT TO ALL EQUIPMENT REQUIRING
 PROTECTION BY THAT SYSTEM SHALL AUTOMATICALLY SHUT OFF.
 ACTIVATION OF THE AUTOMATIC FIRE EXTINGUISHING SYSTEM
 MUST IMMEDIATELY SHUT OFF GAS AND ELECTRIC SUPPLY TO ALL
 APPLIANCES UNDER THE PROTECTED HOOD. THE PLUMBING
 CONTRACTOR SHALL PROVIDE A MASTER SOLENOID VALVE IN GAS
 LINE TO DISCONNECT ALL GAS APPLIANCES. MANUAL GAS AND
 ELECTRIC RESETS ARE REQUIRED. ALL MAKEUP AIR FANS AND
 KITCHEN ROOFTOP UNITS SHALL DE-ENERGIZE UPON ACTIVATION
 OF FIRE/ANSUL HOOD SYSTEM.

GENERAL NOTES
 (NOT ALL NOTES APPLY)

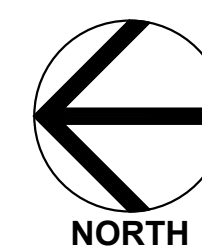
1. REFERENCE SHEET M101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

KEYED NOTES:

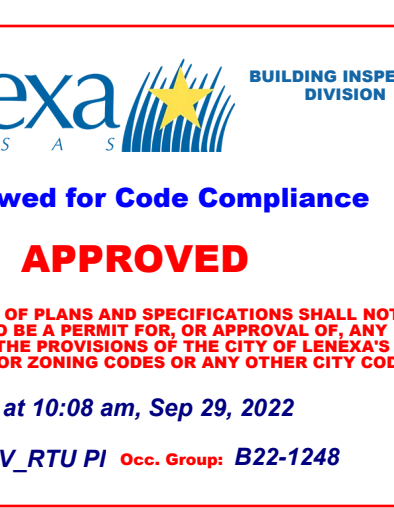
1. OVEN VENT SYSTEM TO BE PROCURED BY CONTRACTOR ONLY FROM CAPTIVE AIRE SYSTEMS REGION 85, 425-212-5996, REG85@CAPTIVEAIRE.COM, NO SUBSTITUTIONS PERMITTED. REFER TO H-SERIES SHEETS BY CAPTIVE AIRE FOR ADDITIONAL INFORMATION.
2. 12"Ø EXHAUST DUCT UP TO EF-1 ON ROOF. CONTRACTOR TO MEASURE DUCTING IMMEDIATELY AFTER OVEN INSTALLATION AND PROMPTLY PROVIDE INFORMATION TO CAPTIVEAIRE SYSTEMS FOR FABRICATION. FABRICATION AND DELIVER TAKE FOUR (4) WEEKS MINIMUM. INCORPORATE INTO CONSTRUCTION SCHEDULE ACCORDINGLY.
3. SUPPLY AND RETURN AIR DUCT UP TO ROOFTOP UNITS TRANSITION AND OFFSET AS REQUIRED. FIELD VERIFY ALL ROUTING AND REQUIREMENTS PRIOR TO BID AND INSTALLATION. ALL ROOF WORK TO BE BY LANDLORDS ROOFING CONTRACTOR.
4. CONTRACTOR TO PROVIDE DUCT MOUNTED SMOKE DETECTORS IN THE SUPPLY & RETURN DUCT AND ALL WIRING CONNECTIONS. THE DUCT SMOKE DETECTOR SHALL BE COMPATIBLE WITH THE FIRE ALARM SYSTEM IF EXISTING. THE MECHANICAL CONTRACTOR SHALL INSTALL THE SMOKE DETECTOR AND REMOTE TEST STATION. ELECTRICAL CONTRACTOR SHALL CONNECT TO A FIRE ALARM SYSTEM. THE ACTIVATION OF THE DUCT SMOKE DETECTOR SHALL ACTIVATE AN AUDIBLE/VISUAL ALARM AT A CONSTANTLY ATTENDED LOCATION. MECHANICAL AND ELECTRICAL CONTRACTOR SHALL TEST AND VERIFY THE SMOKE DETECTION SYSTEM WORKS PROPERLY AND MEETS ALL LOCAL AND STATE CODES. EXACT LOCATION OF REMOTE STATION SHALL BE FIELD VERIFIED.
5. PROVIDE REMOTE TEST STATION FOR RTU-1, RTU-2, & RTU-3 SMOKE DETECTORS. MOUNT TEST STATIONS IN THIS LOCATION. PROVIDE WITH AUDIBLE AND VISUAL ALARM WITH KEYS RESET. MOUNT TEST STATION 48 INCHES AFF. MOUNT AT MANAGER STATION. MOUNT AUDIBLE AND VISUAL ALARM IN CONSTANTLY ATTENDED LOCATION. AUDIBLE AND VISUAL ALARM IS NOT REQUIRED WHERE DUCT SMOKE DETECTOR ACTIVATES THE BUILDING'S ALARM SYSTEM. LABEL EACH REMOTE WITH ASSOCIATED ROOFTOP UNIT. FIELD VERIFY EXACT LOCATION WITH TENANTS CONSTRUCTION MANAGER.
6. MECHANICAL CONTRACTOR TO INSTALL THERMOSTAT AT THE MANAGERS DESK. THERMOSTAT SHALL BE HONEYWELL MODEL VISION PRO 8000. MOUNT AT 48" AFF. COORDINATE EXACT LOCATION WITH TENANT CONSTRUCTION MANAGER. WIRE TO HVAC EQUIPMENT PER MANUFACTURER'S PRINTED INSTRUCTIONS. THE ENTIRE CONTROL SYSTEM SHALL BE PROVIDED COMPLETE IN EVERY RESPECT BY THE MECHANICAL CONTRACTOR.
7. MECHANICAL CONTRACTOR TO INSTALL TEMPERATURE/HUMIDITY (IF APPLICABLE) SENSOR AT THIS LOCATION. MOUNT ON WALL AT 60" AFF. PROVIDE CONDUIT FOR CONTROL WIRE. FIELD VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION WITH OWNERS REPRESENTATIVE. DO NOT PLACE ON ANY EXTERIOR WALL.
8. ROUND EXPOSED SUPPLY DUCT SHOWN IN DINING AREA SHALL BE GALVANIZED DOUBLE-WALL INSULATED SPIRAL DUCT. ALL DUCTWORK SHALL BE HUNG AT THE SAME HEIGHT AND AS HIGH AS POSSIBLE. SPIRAL DUCT SHALL BE ORDERED AND INSTALLED BY MECHANICAL CONTRACTOR. ROUTE SPIRAL BELOW JOIST AND ROUTE DUCT HIGH AS POSSIBLE. FIELD VERIFY ALL REQUIREMENTS PRIOR TO BID. SEE ARCHITECTURAL DRAWING FOR COLOR TO PAINT DUCTWORK IF REQUIRED. PAINT ALL REQUIRED DIFFUSERS AND REGISTERS PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL PLANS FOR DETAILS. ANY PAINTING OF DIFFUSER SHALL BE DONE PRIOR TO INSTALLATION.
9. ALL NEW SUPPLY AND RETURN DUCTWORK ABOVE CEILING SHALL BE GALVANIZED STEEL, EXTERNALLY INSULATED WITH TYPE 150, 2 INCH THICK. DUCTWRAP. INSTALLED R VALUE SHALL BE A MINIMUM OF 6.4. SEAL ALL JOINTS AND SEAMS WITH GLASS FABRIC AND MASTIC MEETING UL 181.
10. PROVIDE WITH PROGRAMMABLE TIMER TO OPERATE DURING BUSINESS HOURS.
11. LOCATE RETURN AIR GRILLES IN BULK HEAD ABOVE SOFFIT AND PAINT TO MATCH ADJACENT WALL SURFACE. PAINT GRILLES PRIOR TO INSTALLATION.
12. CONTRACTOR TO MAKE SURE THAT SUPPLY SIDEWALL AIR DEVICES AVOID BLOWING ON PENDANT LIGHT STEMS. TYPICAL ALL SIDEWALLS.
13. EXHAUST DUCT UP THRU ROOF. PROVIDE BACKDRAFT DAMPER, RAIN CAP AND 1/4 SQ. NON CORROSIVE WIRE MESH. EXHAUST DUCT SHALL BE GALVANIZED DUCT.
14. GC TO UNDERCUT DOOR 1" FOR AIR PASSAGE.
15. EXPOSED RA DUCT IN DINING AREA SHALL BE GALVANIZED DOUBLE-WALL INSULATED RECTANGULAR DUCT. ALL DUCTWORK SHALL BE HUNG AT THE SAME HEIGHT AND AS HIGH AS POSSIBLE. DUCT SHALL BE ORDERED AND INSTALLED BY MECHANICAL CONTRACTOR. FIELD VERIFY ALL REQUIREMENTS PRIOR TO BID. SEE ARCHITECTURAL DRAWING FOR COLOR TO PAINT DUCTWORK IF REQUIRED. PAINT ALL REQUIRED DIFFUSERS AND REGISTERS PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL PLANS FOR DETAILS. ANY PAINTING OF DIFFUSER SHALL BE DONE PRIOR TO INSTALLATION.
16. PROVIDE 32/20 DOWN FROM UNIT ON ROOF. EXTEND AS SHOWN AND CAP END OF DUCT. TAP 44/28 OPENING INTO TOP OF 32/20 RA DUCT SO AS NOT TO BE SEEN FROM BELOW. BALANCE TO CFM SHOWN ON SCHEDULE. PROVIDE 1/2"x1/2" PROTECTIVE NON-CORROSIVE WIRE MESH TO PROTECT OPENING.
17. ROUTE 4" WATER HEATER CONCENTRIC VENT PIPE UP TO ROOF. MAINTAIN 10'-0" CLEARANCE FROM ANY FRESH AIR INTAKE.
18. EXHAUST HOOD FIRE SUPPRESSION SYSTEM INDICATED IS SEPARATE FROM CAPTIVE AIRE SCOPE. CONTRACTOR TO APPROVE ALL PLANS AND SPECIFICATIONS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR OR APPROVAL OF ANY TYPE OF CONSTRUCTION OR INSTALLATION OF ANY TYPE OR VIOLATION OF ANY CITY, COUNTY, STATE, OR FEDERAL CODES OR ANY OTHER CITY CODE. **Revised By: J. E. at 10:08 am, Sep 29, 2022**
19. ANSUL AUTOMAN BOX LOCATED ABOVE DOORWAY. REFER TO H-SERIES SHEETS BY CAPTIVE-AIRE AND SUPPLEMENTAL CAPTIVE AIR DOCUMENTS FOR ADDITIONAL INFORMATION.
20. HOOD HMI USER INTERFACE. REMOTE PULL STATION AND PULL OVEN EMERGENCY SHUTOFF LOCATED ON THIS WALL. AT LEAST ONE MANUAL SYSTEM ACTUATOR. PULL STATION SHALL BE PROVIDED FOR EACH SYSTEM AND BE LOCATED NOT MORE THAN 4 FEET AND NOT LESS THAN 42 INCHES ABOVE THE FINISHED FLOOR. NFPA 17A - SECTION 5.2.1.10. THE MANUAL SYSTEM ACTUATING DEVICE SHALL BE A MINIMUM OF 10 FT. AND A MAXIMUM OF 20 FEET FROM THE KITCHEN EXHAUST SYSTEM. BE CONVENIENTLY AND EASILY ACCESSIBLE AT ALL TIMES, INCLUDING AT THE TIME OF A FIRE. IBC/IFC - SECTION 904.11.1. VERIFY LOCATION OF MANUAL PULL STATION WITH FIRE INSPECTOR PRIOR TO INSTALLATION.



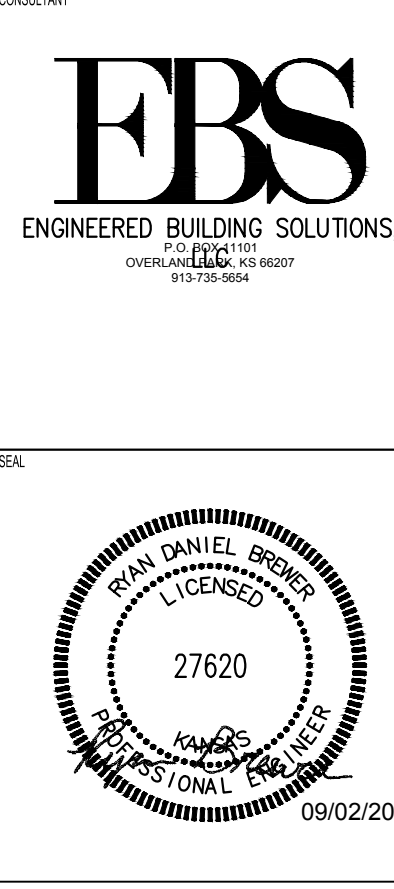
1 MECHANICAL PLAN
 SCALE: 1/4" = 1'-0"



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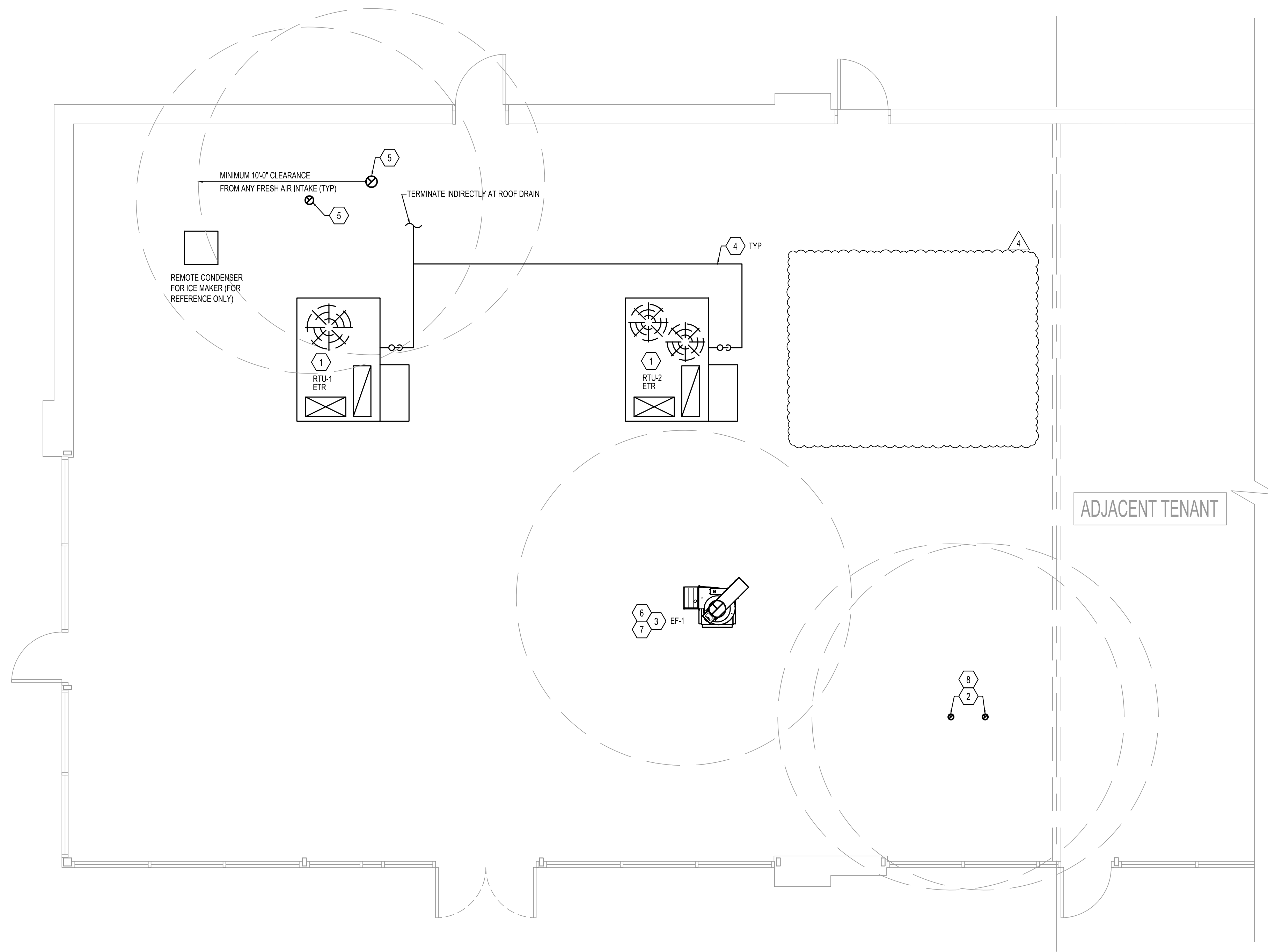
MOD PIZZA
LENEAXA, KS
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ISSUED / REVISED	DATE
Addendum 02	04/01/2022
Addendum 03	04/15/2022
ASI #2	09/02/2022

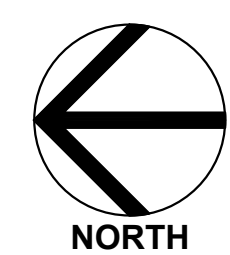
PERMIT SET 02/21/2022

M-111
 MECHANICAL FLOOR PLAN

CHECKED: DRAWN:



1 MECHANICAL ROOF PLAN
SCALE: 1/4" = 1'-0"



NOTE TO TENANT:
RESTROOMS EXHAUST FANS SHOULD NOT BE ENGAGED AFTER RESTAURANT OPERATION HOURS. TO AVOID HIGH HUMIDITY PROBLEMS, IF FAN IS ENGAGED WITHOUT PROPER MAKEUP AIR HUMIDITY WILL BE DRAWN IN TO THE BUILDING.

NOTE:
ALL NEW ROOFING WORK TO BE PERFORMED BY LANDLORDS ROOFING CONTRACTOR.

GENERAL NOTES
(NOT ALL NOTES APPLY)

1. REFERENCE SHEET M101 FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

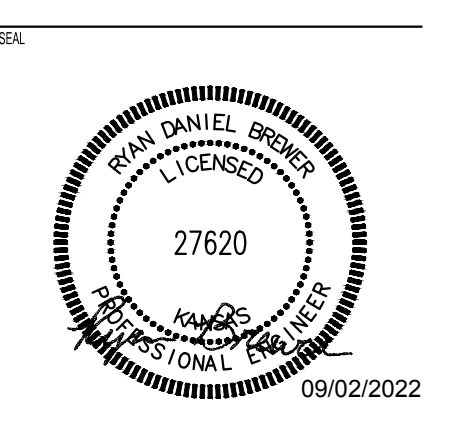
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MOD
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Bellevue, WA 98008
ARCHITECT OF RECORD

Lenexa BUILDING INSPECTION DIVISION
KANSAS
Reviewed for Code Compliance
APPROVED
THE APPROVAL OF PLANS AND SPECIFICATIONS SHALL NOT BE CONSIDERED TO BE A PERMIT FOR OR APPROVAL OF ANY VIOLATION OF THE PROVISIONS OF THE CITY OF LENEXA'S BUILDING AND ZONING CODES OR ANY OTHER CITY CODE.
By: David Evi at 10:08 am, Sep 29, 2022
Const. Type: MEV_RTU PI Occ. Group: B22-1248

KEYED NOTES:

- EXISTING RTU TO REMAIN AND REUSE. REFER TO SCHEDULE ON SHEET M-601 FOR INFORMATION.
- CONCENTRIC VENT FROM WATER HEATER UP THROUGH ROOF. MAINTAIN 10' MINIMUM CLEARANCE FROM ALL FRESH AIR INTAKE.
- COORDINATE EXACT ROOFTOP EQUIPMENT LOCATION FOR OPENINGS IN THE ROOF WITH THE STRUCTURAL MEMBERS PRIOR TO CUTTING DECK.
- CONDENSATE LINE IS LOCATED ON ROOF AND ROUTED TO NEAREST ROOF DRAIN. INSTALL PER LANDLORD AND LOCAL CODE REQUIREMENTS. CONDENSATE SHALL BE ATTACHED TO ROOF PER LOCAL CODE REQUIREMENTS. PROVIDE THE PIPE SUPPORTS FOR ALL PVC CONDENSATE PIPING SPACING AT A MINIMUM 4'-0" ON CENTER.
- EXHAUST UP FROM RESTROOMS AND ICE MAKER. EXHAUST DUCT SHALL GALVANIZED STEEL. PROVIDE RAIN CAP WITH INTEGRAL BIRD SCREEN, BACKDRAFT DAMPER, AND ACCESSORIES AS REQUIRED. EXHAUST FAN SHALL MAINTAIN 10' CLEARANCE FOR ANY OUTSIDE AIR INTAKE. ALL ROOF WORK SHALL BE DONE BY LANDLORD'S ROOFING CONTRACTOR AT TENANT'S EXPENSE UNLESS NOTED OTHERWISE.
- PROVIDE ALL NEW GREASE EXHAUST FAN WITH PRE-FABRICATED ROOF CURBS AND PROVIDED BY CAPTIVEAIRE INSTALLED BY GC. SECURE FAN TO CURB WITH SCREWS PER LOCAL CODE REQUIREMENTS. HOOD EXHAUST FAN SHALL BE MINIMUM 40" FROM ROOF SURFACE AND 10'-0" MINIMUM FROM AND FRESH AIR INTAKE. FIELD VERIFY EXACT CONDITIONS.
- PROVIDE CAPTIVEAIRE HINGED BASE KIT OR EQUAL. THE HINGED BASE KIT IS A FIELD INSTALLED OPTION WHICH PROVIDES A LOCKABLE, HINGED CONNECTION BETWEEN THE FAN AND CURB. THIS ALLOWS EASY ACCESS TO THE WHEEL AND INLET OF THE FAN AS WELL AS THE INTERIOR DUCTWORK. THE KIT INCLUDES TWO HINGE PLATES, TWO LATCH PLATES, HINGE BOLTS, AIRCRAFT CABLE AND CLAMPS. SET FAN SO WHEN OPEN UP THERE IS ACCESS FOR CLEANING.
- 4" VTR FROM VENT LINE UP THROUGH ROOF. MAINTAIN 12' MINIMUM CLEARANCE FROM ALL FRESH AIR INTAKE.

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ISSUED / REVISED	DATE
Addendum 02	04/01/2022
Addendum 03	04/15/2022
ASI #2	09/02/2022

PERMIT SET 02/21/2022

M-131
MECHANICAL ROOF PLAN

CHECKED: DRAWN:

OUTDOOR AIR CALCULATIONS (2018 IMC)

SPACE	AREA (FT ²)	NO. OF PEOPLE	OA RATE (CFM/PERSON)	OA RATE (CFM/FT ²)	ZONE EFFECTIVENESS FACTOR	OA (CFM)
DINING	1340	94	7.5	0.18	0.8	1183
PIZZA ENGINE	510	4	7.5	0.12	0.8	114
KITCHEN	330	2	7.5	0.12	0.8	68
REQUIRED OUTSIDE AIR						1365
PROVIDED OUTSIDE AIR						1400

CONTROL SEQUENCE OF OPERATIONS

DAY CYCLE - COOLING

- SUPPLY AIR FAN SHALL RUN CONTINUOUSLY.
- OUTSIDE AIR DAMPER SHALL BE IN MINIMUM POSITION.
- THERMOSTAT SHALL CYCLE COMPRESSOR(S) TO MAINTAIN ROOM SET TEMPERATURE.

DAY CYCLE - HEATING

- SUPPLY AIR FAN SHALL RUN CONTINUOUSLY.
- OUTSIDE AIR DAMPER SHALL BE IN MINIMUM POSITION.
- THERMOSTAT SHALL CYCLE ELECTRIC HEATER TO ACHIEVE ROOM SET TEMPERATURE.

DAY CYCLE - DEHUMIDIFICATION (APPLIES TO UNITS WITH THIS OPTION)

- SUPPLY AIR FANS SHALL RUN CONTINUOUSLY.
- MECHANICAL OUTSIDE AIR DAMPERS SHALL BE IN OPEN POSITION.
- RESTROOM EXHAUST FANS SHALL BE ENERGIZED.
- HUMIDISTAT SHALL CYCLE COOLING COIL STAGES TO MAINTAIN SET POINT HUMIDITY.

ECONOMIZER

- SUPPLY AIR FAN SHALL RUN CONTINUOUSLY.
- OUTSIDE AIR DAMPER SHALL MODULATE FROM MINIMUM TO 100% OUTSIDE AIR TO MAINTAIN ROOM SET TEMPERATURE.

MORNING WARM-UP

- SUPPLY AIR FAN SHALL RUN CONTINUOUSLY.
- OUTSIDE AIR DAMPER SHALL BE IN CLOSED POSITION.
- WHEN SET TEMPERATURE IS REACHED COOLING OR HEATING CYCLE SHALL COMMENCE.

NIGHT SETBACK

- OUTSIDE AIR DAMPER SHALL BE IN CLOSED POSITION.
- THERMOSTAT SHALL CYCLE EITHER COOLING OR HEATING AND SUPPLY AIR FAN TO MAINTAIN ROOM SET TEMPERATURE.

SMOKE DETECTOR

- WHEN SMOKE DETECTOR IS ACTIVATED SUPPLY AIR FAN SHALL SHUTDOWN.
- SUPPLY AIR FAN SHALL BE MANUALLY RESET.

AIR BALANCE SCHEDULE

UNIT	OUTSIDE AIR CFM	EXHAUST AIR CFM
RTU-1 (ETR)	800	--
RTU-2 (ETR)	600	--
EF-1	--	-900
EF-2	--	-75
EF-3	--	-75
EF-4	--	-75
TOTAL	1400	-1125
RESULTING AIR BALANCE		275

EXISTING ROOFTOP AIR CONDITIONING UNIT SCHEDULE - GAS HEAT

MARK	MANUFACTURER	MODEL	SERVES	SUPPLY AIR	MIN OA	SUPPLY FAN		COOLING COIL			HEATING			UNIT ELECTRICAL DATA		WEIGHT (LBS)	NOTES
						ESP	HP	TOTAL (MBH)	SENS. (MBH)	EAT (DB/WB)	EER	INPUT (MBH)	OUTPUT (MBH)	EFF. (%)	V/PH/Hz		
RTU-1 (ETR)	CARRIER	48HCD11	DINING	4000	800	--	--	--	--	79.3/64.9	12	--	--	--	--	1090	A
RTU-2 (ETR)	CARRIER	48HCD09	DINING	3400	600	--	--	--	--	79.3/64.9	12	--	--	--	--	925	A

NOTES:

- PROVIDE NEW HONEYWELL VISION PRO 8000 7-DAY PROGRAMMABLE THERMOSTAT. REFER TO MECHANICAL PLAN FOR THERMOSTAT LOCATION AND TEMP/HUMIDITY SENSOR H7365A LOCATION.

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	SERVES	MOUNTING	VOLUME (CFM)	ESP (IN)	FAN RPM	MOTOR HP (WATTS)	ELECTRICAL VOLTS/PH	FLA	WEIGHT	NOTE
EF-1	CAPTIVE AIRE	CASRE13BD	PIZZA OVEN	ROOF	900	0.55	1362	0.5	120/1	7.6	277	A,B,C,D,E
EF-2	COOK	GC-146	RESTROOM	CEILING	75	0.375	900	(33.1)	120/1	--	15	F,G
EF-3	COOK	GC-146	RESTROOM	CEILING	75	0.375	900	(33.1)	120/1	--	15	F,G
EF-4	COOK	GC-146	ICE MACHINE	CEILING	75	0.375	900	(33.1)	120/1	--	15	F,G

NOTES:

- GREASE EXHAUST FAN AND ACCESSORIES TO BE FURNISHED THROUGH CAPTIVE AIRE, INSTALLED BY MECHANICAL CONTRACTOR.
- PROVIDE WITH VENTED ROOF CURB, HINGED BASE CHAIN, HASP KIT, AND BUILT-IN GREASE TROUGH DRAIN FITTING.
- PROVIDE DISCONNECT SWITCH.
- PROVIDE WITH HOOD ON/OFF TOGGLE SWITCH.
- PROVIDE PREFABRICATED CURB FROM CAPTIVE AIRE.
- EXHAUST DUCT SHALL BE GALVANIZED STEEL. PROVIDE RAIN CAP WITH INTEGRAL BIRD SCREEN, BACKDRAFT DAMPER, AND ACCESSORIES AS REQUIRED, INCLUDING SPEED CONTROLLER CONCEALED AND ACCESSIBLE. EXHAUST FAN TERMINATION SHALL MAINTAIN 10' CLEARANCE FROM ANY MECHANICAL AIR INTAKE. ALL ROOF WORK SHALL BE DONE BY LANDLORD'S ROOFING CONTRACTOR AT TENANT'S EXPENSE UNLESS NOTED OTHERWISE.
- PROVIDE EXHAUST FANS WITH PROGRAMMABLE TIMER TO OPERATE DURING BUSINESS HOURS.

- EXHAUST FAN EF-1 FURNISHED WITHIN CAPTIVE AIRE SYSTEMS. PACKAGED TO BE PROCURED BY MECHANICAL CONTRACTOR THROUGH CAPTIVE AIRE SYSTEMS REGION 85 ONLY (JON CLARKE, 425-212-5986 EXT. 2) AND INSTALLED BY MECHANICAL CONTRACTOR. SEE H-SERIES SHEETS FOR ADDITIONAL INFO.

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	MATERIAL	FINISH	FACE SIZE	NECK SIZE	MOUNTING	PATTERN	DAMPERS
SD-1	TITUS	300RS	SUPPLY GRILLE	ST	NOTE F	NOTE B	NOTE C	NOTE D	FA	NOTE G
SD-2	TITUS	PCS	PERFORATED SUPPLY DIFFUSER	ST	NOTE E	NOTE A	NOTE C	NOTE D	ADJ	NONE
SD-3	TITUS	TDC-AA	LOUVERED FACE SUPPLY DIFFUSER	AL	NOTE E	NOTE A	NOTE C	NOTE D	ADJ	NONE
RG-1	TITUS	350RL	RETURN GRILLE	ST	NOTE E	NOTE B	NOTE C	NOTE D	--	NONE
RG-2	TITUS	PAR	PERFORATED RETURN GRILLE	ST	NOTE E	NOTE A	NOTE C	NOTE D	ADJ	NONE

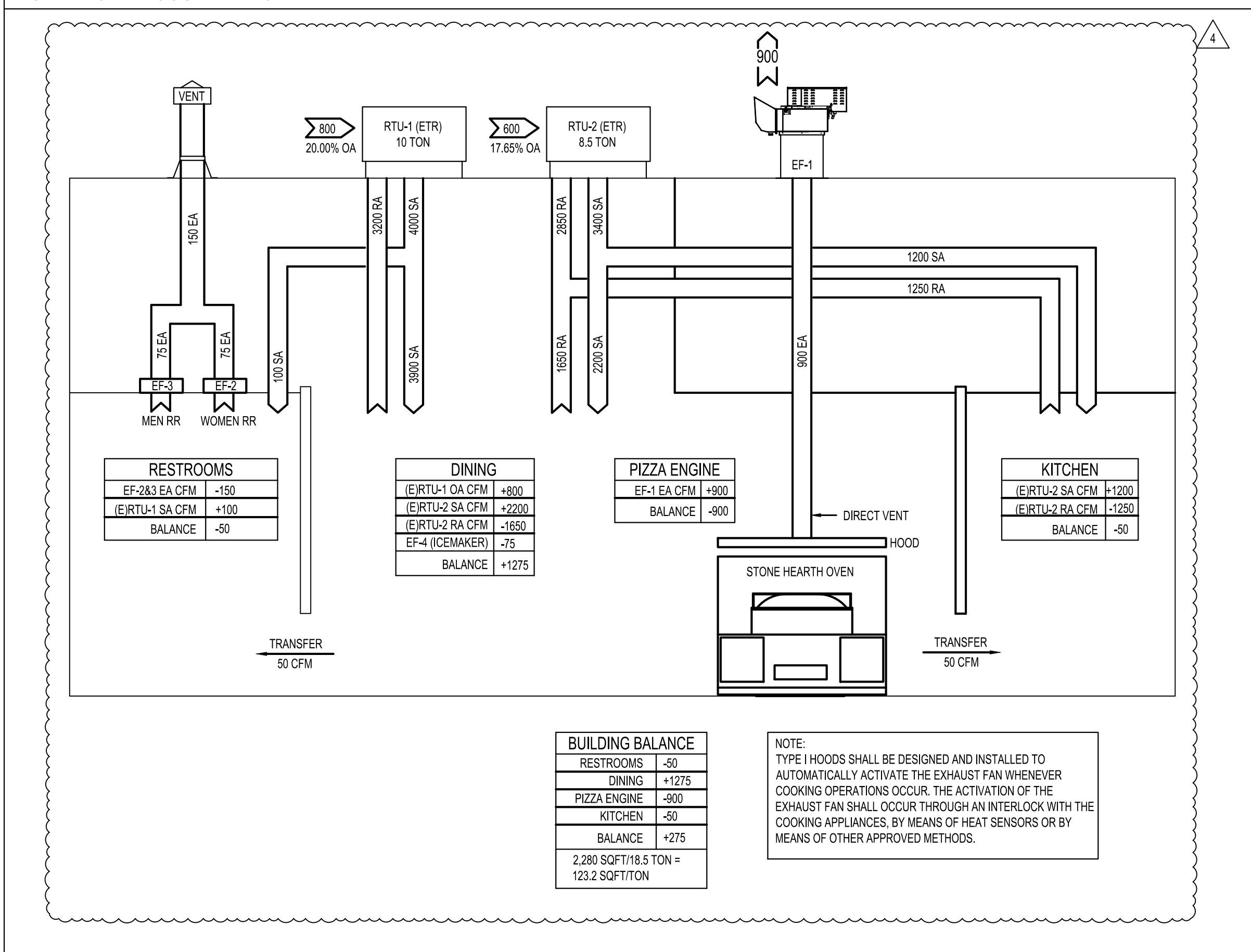
NOTES:

- SEE DRAWINGS FOR FACE SIZE (24x24 OR 12x12). PROVIDE 24x24 FOR LAY-IN CEILINGS.
- FACE SIZE DETERMINED FROM NECK SIZE.
- SEE AIR DEVICE TAG FOR NECK SIZE.
- COORDINATE BORDER TYPE (SURFACE MOUNT, SNAP-IN, LAY-IN, SPLINE, DROPPED FACE, AND BEVELED DROP FACE) WITH CEILING TYPE AS SHOWN IN ARCHITECTURAL CEILING PLANS
- PROVIDE COLOR TO MATCH CEILING FINISH.
- WHEN INSTALLED WITH DUCTWORK, PAINT GRILLE GRAY TO MATCH DUCTWORK. OTHERWISE PAINT TO MATCH PARTITION.
- PROVIDE WITH OPPOSED BLADE DAMPERS.

ABBREVIATIONS:

- ST = STEEL, AL = ALUMINUM, BE = BAKED ENAMEL, AA = ANODIZED ALUMINUM, FA = FULLY ADJUSTABLE, TP = TWO POSITION, OPD = OPPOSED BLADE DAMPER, AJD = ADJUSTABLE
BA = BAKED ACRYLIC, BO = BLANK OFF, DB = DIRECTIONAL BLADES, AND P = PLENUM.

BUILDING PRESSURE DIAGRAM



COMBUSTION AIR CALCULATION

MARK	QTY.	DESCRIPTION	TOTAL GAS (BTUH) PROPANE	REQUIRED COMBUSTION AIR (CFM)
E-102	1	PIZZA OVEN	60,000	21
TOTAL CFM REQUIRED				280.7
TOTAL CFM PROVIDED				>300

NOTES:

- REQUIRED COMBUSTION AIR PROVIDED BY MECHANICAL SYSTEM AT MINIMUM RATE OF .35 CFM PER 1000 BTUH.
- COMBUSTION AIR PROVIDED THROUGH DILUTION OF OUTSIDE AIR THROUGH RTU'S.

NOTE:
ALL HVAC UNITS AND REQUIRE INTERLINKING FOR FAN SHUTDOWN UPON ACTIVATION OF SPRINKLER FLOW SWITCH OR GLOBAL ALARM. UNITS OVER 2000 CFM REQUIRE DUCT SMOKE DETECTION ON RETURN AND SUPPLY SIDE PER 2002 NFPA 90A. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE ALL REQUIREMENTS PRIOR TO BID.

NOTE:
G.C. SHALL VERIFY EXACT ELECTRICAL CONNECTIONS, WIRE SIZES, BREAKERS, DISCONNECT, ETC. PRIOR TO ORDERING. VERIFY ALL CONTROLS WITH HONEYWELL REP PRIOR TO ORDERING.

OWNER

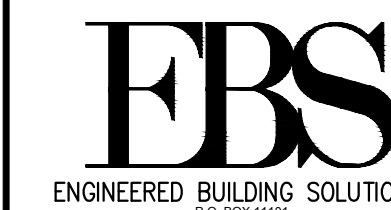


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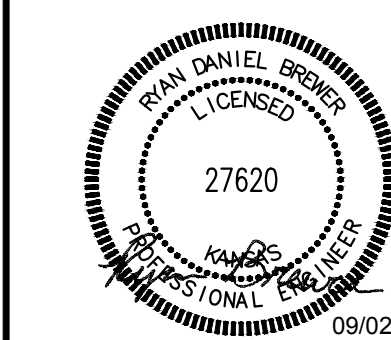
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By: David Evi at 10:08 am, Sep 29, 2022
Const. Type: MEV_RTU PI Occ. Group: B22-1248

CONSULTANT



ENGINEERED BUILDING SOLUTIONS,
OVERLAND PARK, KS 66207
913-256-8844

SEALED



MOD PIZZA
LENEXA, KS
8742 LOIRET BLVD
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ISSUED / REVISED

ISSUED / REVISED	DATE
Addendum 02	04/01/2022
Addendum 03	04/15/2022
ASI #2	09/02/2022

PERMIT SET

02/21/2022

M-601
MECHANICAL SCHEDULES

CHECKED:

DRAWN: