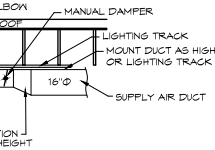
BOLS

Y DIFFUSER
N AIR GRILLE
E/FAN
RATURE/HUMIDITY SENSORS
OUNTED AT 48" AFF
SMOKE DETECTOR

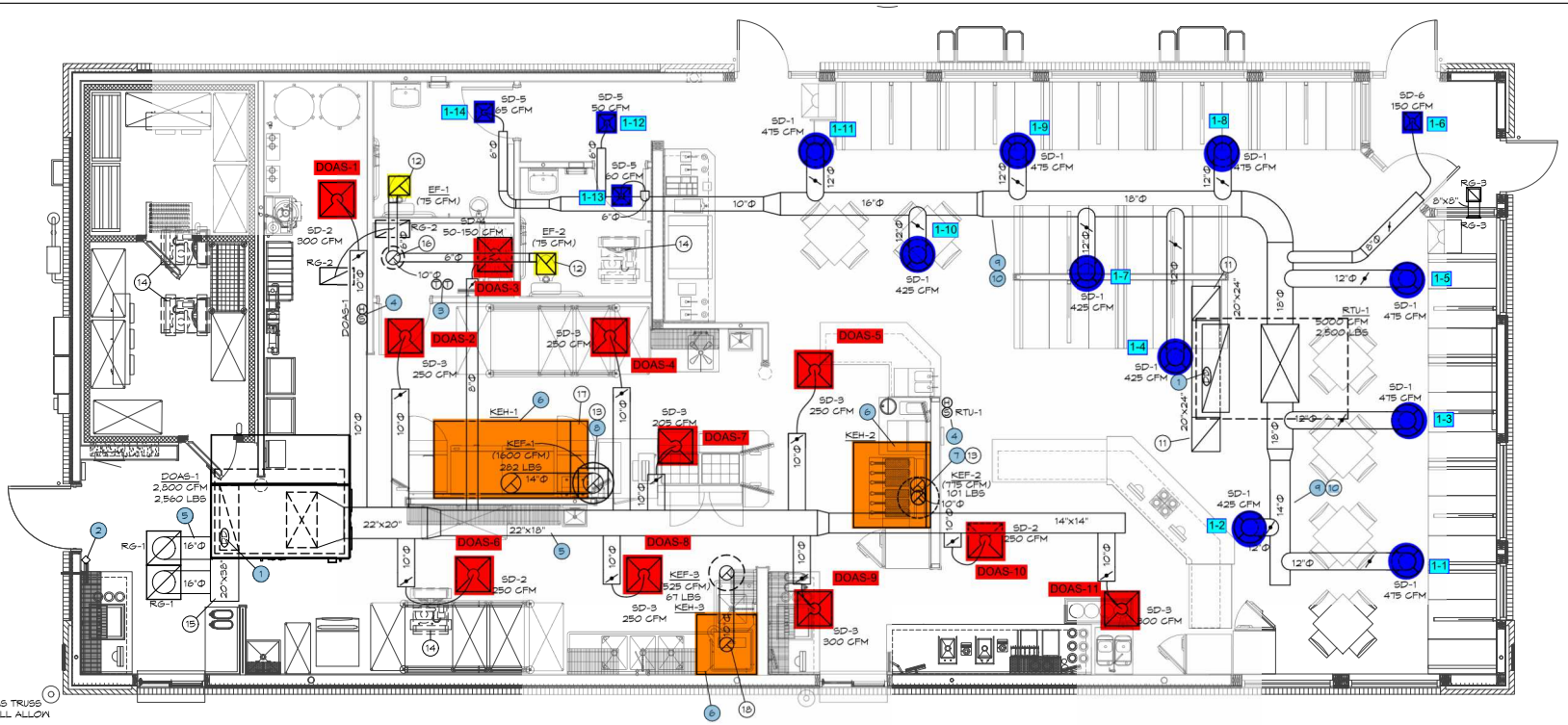
GULAR DUCT
DUCT
NORK
OTE DESIGNATION

UCT SIZE
RNING VANES
E DAMPER
E DAMPER
CT UP/DOWN
CT UP/DOWN
CT UP/DOWN
VATION UP (UP) DOWN (DN)
F FLOW
CHANICAL EQUIPMENT

LBOW
OOF



IFFUSER DETAIL



NORTH

MECHANICAL FLOOR PLAN

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

MECHANICAL PLAN NOTES:

1. LOCATION OF DUCT MOUNTED SMOKE DETECTOR. PROVIDE REMOTE ENUNCIATOR AUDIO/VISUAL. VERIFY LOCATION WITH FIRE MARSHAL PRIOR TO INSTALLATION. REFER TO SPEC SHEET MFQ FOR ADDITIONAL INFORMATION.
2. LOCATION OF MANUAL PULL STATION. INSTALL PER THE MANFUACTURERS REQUIREMENTS. COORDINATE WITH FIRE MARSHALL/AHJ PRIOR TO INSTALLATION.
3. LOCATION OF RTU AND DOAS THERMOSTATS. GC TO LABEL EACH THERMOSTAT.
4. LOCATION OF RTU TEMPERATURE SENSOR MOUNTED 1'-0" AFF.
5. ALL KITCHEN DUCTWORK IS INTENDED TO BE ROUTED THROUGH OR BETWEEN TRUSSES. COORDINATE EXACT ROUTING

MECHANICAL GENERAL NOTES:

1. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACES AVAILABLE, AND WITHOUT INTERFERENCES.
2. THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE MECHANICAL SYSTEMS.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DIFFUSERS.
4. INSTALL ALL DUCT, PIPE, ETC. AS HIGH AS POSSIBLE.

AIR BALANCE SCHEDULE

RETURN AIRFLOW (CFM)	SUPPLY AIRFLOW (CFM)	OA/SA %	EXHAUST AIR UNIT	EXHAUST AIRFLOW (CFM)
4,328	5,000	17.44%	KEF-1	1600
0	2,800	100.0%	KEF-2	775
			KEF-3	525

BDG
BAKER DESIGN GROUP PA
ROGER BAKER ARCHITECT AIA NCARB
1504 S 7th Street North Wichita, KS 67214 316.267.7142
roger@bakerdesigngroupkc.com

FREDDY'S FROZEN CUSTARD
2501 Mount Holly Road
BURLINGTON TOWNSHIP, NJ.

3/27/2023