TRANE NATIONAL ACCOUNT ENGINEER

PLEASE CONTACT KEVIN SCHILF
WITH TRANE NATIONAL ACCOUNTS
FOR PROPOSAL AND PRICING.
PLEASE EMAIL REQUESTS TO
NAFlorida@trane.com

EXISTING MECHANICAL EQUIPMENT SCOPE OF WORK

MECHANICAL CONTRACTOR TO CLEAN AND MAINTENANCE ALL EXISTING MECHANICAL EQUIPMENT AND DUCTWORK. WORK TO INCLUDING INSPECTING ALL BELTS, BEARINGS AND MOTORS AND REPLACING AS NEEDED, CLEANING ALL COILS, INSPECTING & REPLACING ALL LINKAGE AS REQUIRED, ALL EQUIPMENT TO BE PUT IN FULLY CLEAN AND OPERATIONAL CONDITION. REPORT FINDINGS TO G.C.

G.C. TO ISSUE A REPORT OF THE CONDITION OF EXISTING HVAC SYSTEM TO THE MECHANICAL ENGINEER WITHIN (2) WEEKS OF PROJECT START AT (507)285-0316.

GENERAL NOTES

1. DUCTS ARE SIZED FOR FREE AREA. DIMENSIONS AND LOCATIONS CAN BE CHANGED AS LONG AS VELOCITIES AND PRESSURE DROPS ARE MAINTAINED.
2. DUCT SIZING AS FOLLOWS: FIRST NUMBER IS FOR SIDE SHOWN – SECOND NUMBER IS FOR SIDE NOT SHOWN. RATIO SHALL NOT EXCEED 1:5. INSTALL EXTERIOR INSULATION ON SUPPLY & RETURN. INSTALL ALL DUCT PER "B5 SMACNA STANDARDS.
3. MAINTAIN MINIMUM OF 15 FT. CLEARANCE BETWEEN ALL FRESH AIR INTAKES AND EXHAUST.
4. WELDING OR DRILLING OF STRUCTURAL MEMBERS IS NOT ALLOWED.
5. SEE M3 FOR HVAC EQUIPMENT SCHEDULES.
6. SEE M3 FOR HVAC SYMBOLS AND DETAILS.
7. ALL CONTRACTORS TO PROVIDE AS BUILT REDLINED DRAWINGS TO THE OWNER. AT THE COMPLETION OF THE PROJECT.
8. M.C. TO COORDINATE ALL EXTERIOR WORK WITH LANDLORD CONTRACTOR PRIOR TO BID. COORDINATE WORK COST WITH G.C.

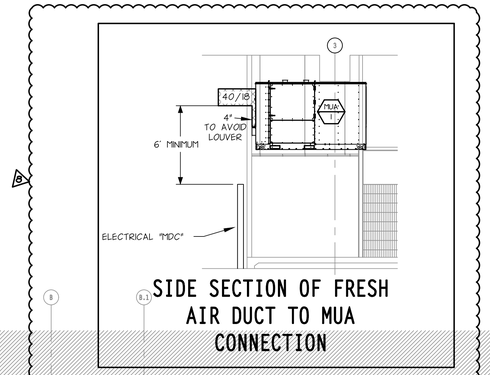
CONSTRUCTION NOTES

1. INSTALL OWNER PROVIDED GREASE MASTER PREFABRICATED SINGLE WALL GREASE DUCTS. GREASE DUCT TO BE FIELD WRAPPED WITH 3M GREASE DUCT INSULATION WRAP PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. DUCT TO RUN FROM HOOD COLLARS TO PCU. PROVIDE A MINIMUM 1/4" PER FOOT OF SLOPE. INSTALL FACTORY BULT ACCESS PANELS EVERY 20' AND AT ALL DIRECTION CHANGES, AS PROVIDED. REVIEW CAPTIVE AIRE FULL SELECTION DRAWINGS PRIOR TO BID. COORDINATE ALL WORK WITH G.C. AND LANDLORD.
2. MECHANICAL CONTRACTOR TO INSTALL HOOD AND PROVIDE FIELD MEASUREMENTS FOR PREFABRICATED GREASE DUCTS TO OWNER REP FOR ORDERING. CONTRACTOR TO BE RESPONSIBLE FOR LEAD TIME REQUIREMENTS AND SCHEDULE OF HOOD INSTALLATION AND GREASE DUCT FIELD MEASUREMENTS. COORDINATE WITH OWNER REP AND G.C.
3. INSTALL OWNER PROVIDED KITCHEN VENTILATION SYSTEM INCLUDING COOKLINE HOODS WITH GREASE MASTER TANK FIRE SUPPRESSION SYSTEM. COORDINATE WORK WITH G.C., ELECTRICAL, PLUMBING AND FIRE SUPPRESSION CONTRACTORS. PROVIDE FIELD VERIFIED ANSUL GAS VALVE SIZE TO VENDER. SEE GREASE MASTER FULL SELECTION DRAWINGS AND COORDINATE WITH FACTORY FIELD TECHNICIAN.
4. INSTALL OWNER PROVIDED PREFAB SINGLE WALL STAINLESS DUCT FOR DISH MACHINE EXHAUST. INSTALL AS SHOWN, VERIFY LOCATION, ALL CLEARANCES AND ROUTE. COORDINATE WITH WITH G.C. AND OWNER. WRAP DUCT WITH INSULATION WHERE EXPOSED OVER DINING AREA TO PREVENT CONDENSATION.
5. INSTALL HOOD ROOM TEMPERATURE SENSOR BESIDE KITCHEN DOAS UNIT SENSOR. SENSORS TO BE WIRED TO THE HOOD STARTER PANEL AS INDICATED ON SHEET M600. COORDINATE WORK WITH G.C.
6. REMOTE SENSORS – INSTALLATION AND WIRING BY MECHANICAL CONTRACTOR. THERMOSTATS LOCATED IN SECOND LEVEL OFFICE. COORDINATE LOCATION WITH G.C. AND OWNER. MOUNT ON WALL AT 6'-0" A.F.F. IN AN ACCESSIBLE LOCATION. COORDINATE WITH EQUIPMENT AND FIXTURE LOCATIONS. DIFFUSER AND SENSOR LOCATIONS CANNOT BE CHANGED WITHOUT PRIOR APPROVAL FROM THE CONSULTING ENGINEER.
7. MOUNT FIRE/ SMOKE DETECTORS IN THE SUPPLY HOUSING IN AN ACCESSIBLE AREA. TYPICAL ALL UNITS.
8. PROVIDE TURNING VANES ON ALL RECTANGULAR ELLS. TYPICAL.
9. PROVIDE VOLUME DAMPERS ON ALL BRANCHES, ALL SYSTEMS, TYPICAL.
10. RETURN GRILLES – VOLUMES VARY DEPENDING ON OCCUPIED OR UNOCCUPIED OPERATION. PROVIDE GRILLE WITH FREE AREA LISTED. INSTALL ACOUSTIC DUCT LINER AND CONSTRUCT RETURN PLENUM TO ELIMINATE DIRECT LINE OF SIGHT FROM GRILLE TO FAN. MOUNT GRILLE AS HIGH AS POSSIBLE. COORDINATE STYLE AND COLOR WITH ARCHITECT.
11. R-1 RETURN GRILLES. VOLUMES VARY DEPENDING ON OCCUPIED MODE. COORDINATE WITH G.C. AND OWNER.
12. ALL SPIRAL DUCT TO BE DOUBLE WALL INSULATED OR JOHNS MANVILLE SPIRACOUSTIC PLUS ACOUSTICALLY LINED SPIRAL DUCT. ALL SIZES SHOWN ARE TO BE FINISHED I.D. CLEAN AND PREP ALL DUCTWORK FOR PAINT. SEE ARCHITECTURAL REFLECTED CEILING AND ELEVATIONS FOR DUCT MOUNTING LOCATION. COORDINATE ALL WORK WITH G.C. AND OWNER.
13. S-1 DIFFUSERS TO BE SET HORIZONTALLY – TYPICAL UNLESS OTHER WISE NOTED. MECHANICAL CONTRACTOR TO ADJUST THE DOUBLE DEFLECTION DIFFUSER BLADES ON ALL DIFFUSERS TO PROVIDE PROPER SPACE COMFORT AND MINIMIZE DRAFTS. PREP ALL DIFFUSERS FOR PAINT. COORDINATE COLOR/FINISH WITH ARCHITECT.
14. S-1 DIFFUSER AIMED DOWNWARD TO PROVIDE AIR AT DIRECTLY BELOW THE DIFFUSER. MECHANICAL CONTRACTOR TO ADJUST THE DOUBLE DEFLECTION DIFFUSER BLADES ON ALL DIFFUSERS TO PROVIDE PROPER SPACE COMFORT AND MINIMIZE DRAFTS. PREP ALL DIFFUSERS FOR PAINT. COORDINATE COLOR/FINISH WITH ARCHITECT.
15. INSTALL NEW INLINE OWNER PROVIDED GREASE MASTER INLINE RESTROOM FAN. CONNECT TO EXISTING RESTROOM EXHAUST DUCT INLET AND OUTLET. CONNECT NEW BRANCH DUCTS TO NEW RESTROOM AS SHOWN. REMOVE EXISTING CEILING FANS FROM HOUSING AND REINSTALL GRILL. INTERLOCK FAN PER THE FUNCTION SCHEDULE ON SHEET M3. COORDINATE ALL WORK WITH OWNER, ARCH AND G.C.
16. INSTALL NEW BLACK IRON WELDED GREASE DUCTS WITH RADIUS BENDS. GREASE DUCT TO BE FIELD WRAPPED WITH 3M GREASE DUCT INSULATION WRAP PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. DUCT TO RUN FROM PCU TO THE EXTERIOR LOUVER. PROVIDE A MINIMUM 1/4" PER FOOT OF SLOPE. INSTALL ACCESS PANELS EVERY 20' AND AT ALL DIRECTION CHANGES, AS PROVIDED. REVIEW GREASE MASTER FULL SHOP DRAWINGS PRIOR TO BID. COORDINATE ALL WORK WITH G.C. AND LANDLORD.

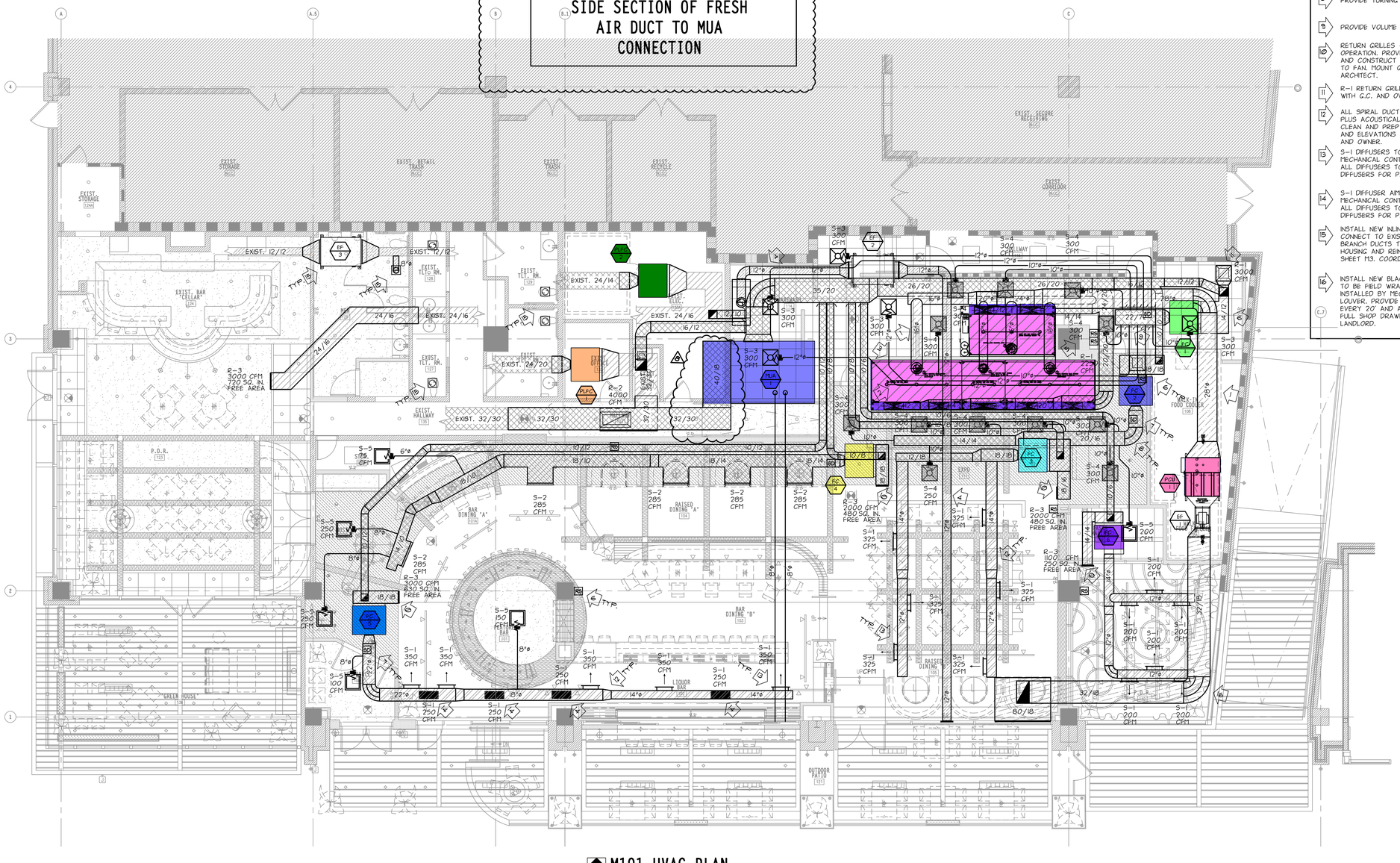
C.1

RFI 62 8/25/25
T-stats to be placed in the existing office on same floor. Remote sensors to be placed as shown on drawings.

RFI 60 8/25/25
SMOKE DETECTORS CAN BE MOUNTED @ RETURN DUCTS



SIDE SECTION OF FRESH AIR DUCT TO MUA CONNECTION



M101 HVAC PLAN

SCALE: 3/16"=1'-0"

DO NOT SCALE FROM DRAWINGS. REFER TO ARCHITECTURAL RCP AND ELEVATIONS FOR HORIZONTAL AND VERTICAL DIMENSIONS AND HEIGHTS.

ALL EQUIPMENT, MATERIALS, WORK, ETC. LOCATED ON THE EXTERIOR OF THE SPACE ARE SHOWN FOR REFERENCE AND NOT INCLUDED IN THE INTERIOR PERMIT SCOPE

REVISION	ISSUE DESCRIPTION	ISSUE DATE
1	ISSUED FOR UNDERG. SCOPE PERMIT COMMENTS	08 APRIL 25
2	ISSUED FOR OWNER CHANGES	22 MAY 25
3	ISSUED FOR OWNER CHANGES	27 MAY 25
4	ISSUED FOR MECHANICAL CHANGES	03 JULY 25
5	ISSUED FOR PERMIT AMENDMENT	11 JULY 25
6	ISSUED FOR ELECTRICAL PERMIT COMMENTS	06 AUGUST 25
7	ISSUED FOR ELECTRICAL PLAN CHANGES	22 AUGUST 25
8	ISSUED FOR MECHANICAL CHANGES	29 AUGUST 25
	ISSUED FOR MECHANICAL CHANGES	1 OCTOBER 25

+ barker/masten +
ARCHITECTURE + DESIGN
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PREPARED FOR:
FABIO VIVIANI HOSPITALITY
3000 SOUTH HILEN ST., DALLAS, TX 75206

PROPOSED TENANT BUILD-OUT & RENOVATION FOR:
RESTAURANT & BAR
5380 MEDPACE WAY, CINCINNATI, OH 45227

PROJECT NUMBER:	25003
FILE NAME:	T001M1
DRAWN BY:	ED
APPROVED:	SFM
DRAWING TITLE:	HVAC PLAN
DRAWING SCALE:	AS SHOWN
DATE ISSUED:	AS SHOWN

PROFESSIONAL SEAL:

STATE OF OHIO
SCOTT FRANCIS MASTEN
E-74000
REGISTERED
PROFESSIONAL ENGINEER

SHEET NUMBER:

M1

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