

**TRANE NATIONAL
ACCOUNT ENGINEER**

PLEASE CONTACT KEVIN SCHULF
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 INCLUDE 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.

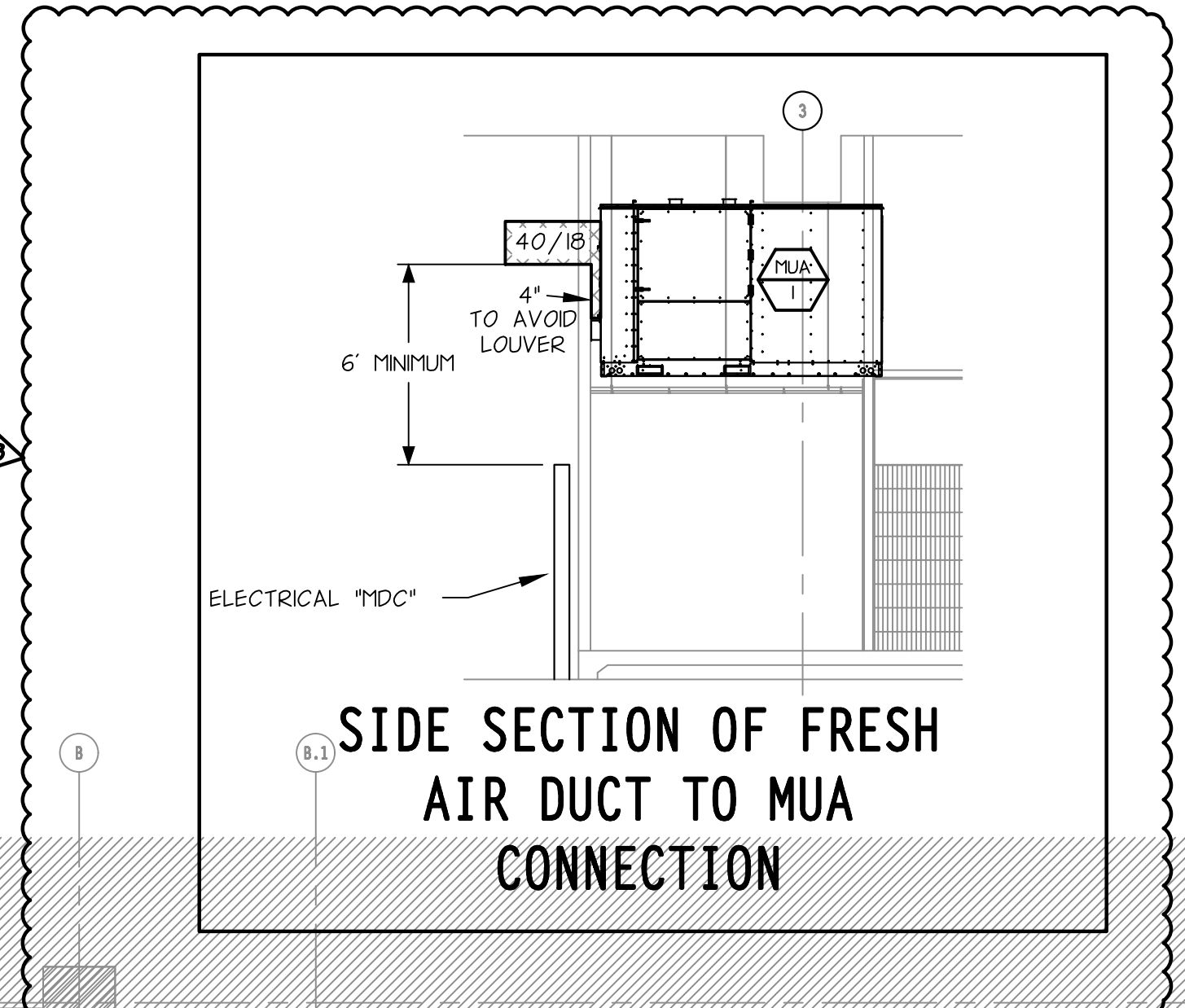
G.C. TO SUBMIT A REPORT OF THE CONDITION OF EXISTING HVAC SYSTEM TO THE MECHANICAL ENGINEER WITHIN 12 WEEKS OF PROJECT START AT (507)285-0316.

GENERAL NOTES

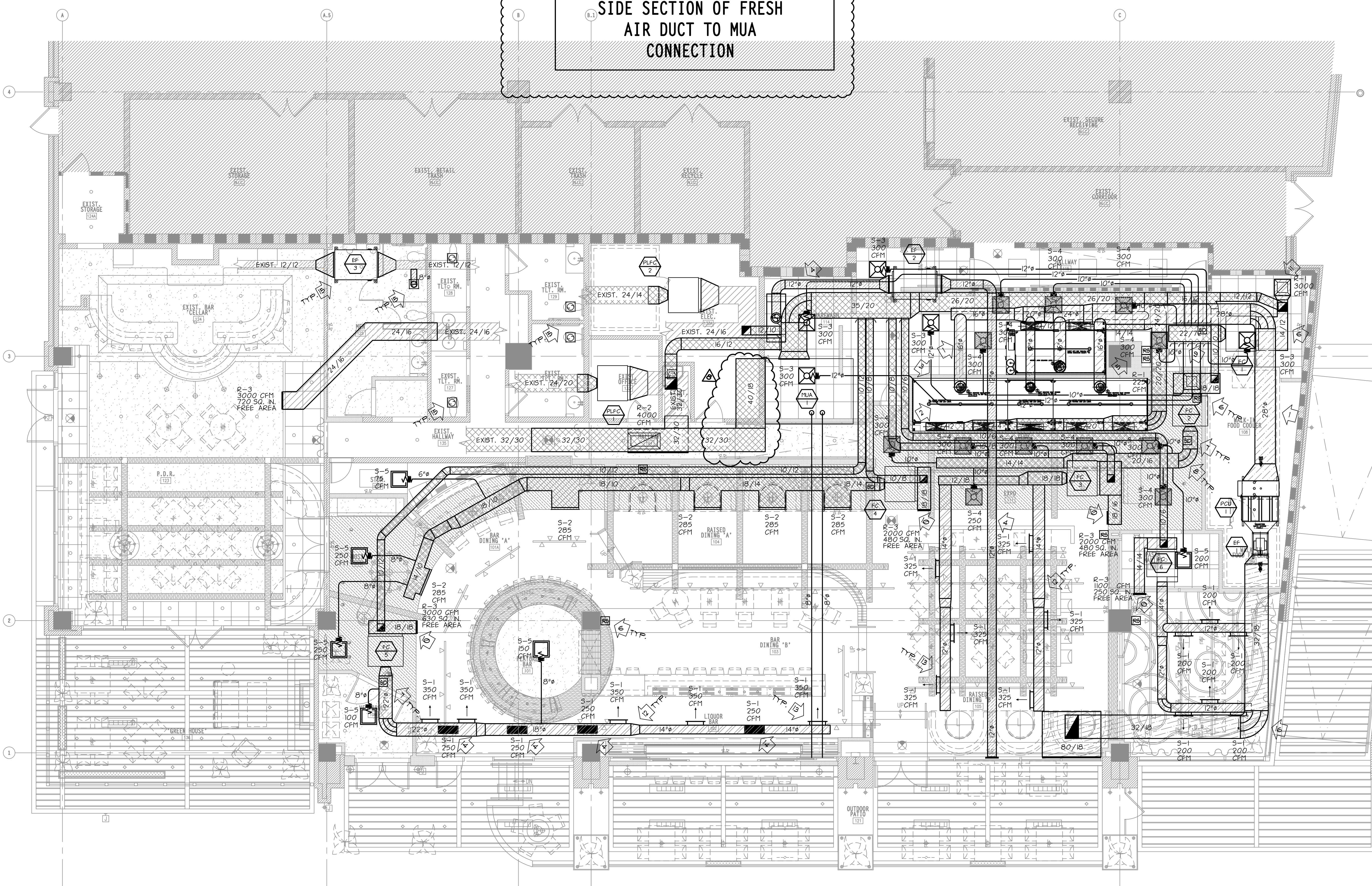
- DUCTS ARE SIZED FOR FREE AREA. DIMENSIONS AND LOCATIONS CAN BE CHANGED AS LONG AS VELOCITIES AND PRESSURE DROPS ARE MAINTAINED.
- DUCT SIZING AS FOLLOWS: FIRST NUMBER IS FOR SIDE SHOWN - SECOND NUMBER IS FOR SIDE NOT SHOWN. RATIO SHALL NOT EXCEED 1.5. INSTALL EXTERIOR INSULATION ON SUPPLY & RETURN. INSTALL ALL DUCT PER BS 55000 STANDARDS.
- MAINTAIN MINIMUM OF 15 FT. CLEARANCE BETWEEN ALL FRESH AIR INTAKES AND EXHAUST.
- WELDING OR DRILLING OF STRUCTURAL MEMBERS IS NOT ALLOWED.
- SEE M3 FOR HVAC EQUIPMENT SCHEDULES.
- SEE M3 FOR HVAC SYMBOLS AND DETAILS.
- ALL CONTRACTORS TO PROVIDE AS BUILT REDLINED DRAWINGS TO THE OWNER, AT THE COMPLETION OF THE PROJECT.
- M.C. TO COORDINATE ALL EXTERIOR WORK WITH LANDLORD CONTRACTOR PRIOR TO BID. COORDINATE WORK COST WITH G.C.

CONSTRUCTION NOTES

- 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 BUILT ACCESS PANELS EVERY 20' AND AT ALL DIRECTION CHANGES, AS PROVIDED. REVIEW CAPTIVE AIR FULL SELECTION DRAWINGS PRIOR TO BID. COORDINATE ALL WORK WITH G.C. AND LANDLORD.
- MECHANICAL CONTRACTOR TO INSTALL HOOD AND PROVIDE FIELD MEASUREMENTS FOR PREFABRICATED GREASE DUCTS TO OWNER REP FOR ORDERING. CONTRACTOR TO BE RESPONSIBLE FOR LEAD THE REQUIREMENTS AND SCHEDULE OF HOOD INSTALLATION AND GREASE DUCT FIELD MEASUREMENTS. COORDINATE WITH OWNER REP AND G.C.
- 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 VENDOR. SEE GREASE MASTER FULL SELECTION DRAWINGS AND COORDINATE WITH FACTORY FIELD TECHNICIAN.
- 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.
- 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.
- 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" AFF IN AN ACCESSIBLE LOCATION. COORDINATE WITH EQUIPMENT AND FIXTURE LOCATIONS. DIFFUSER AND SENSOR LOCATIONS CANNOT BE CHANGED WITHOUT PRIOR APPROVAL FROM THE CONSULTING ENGINEER.
- MOUNT FIRE / SMOKE DETECTORS IN THE SUPPLY HOUSING IN AN ACCESSIBLE AREA. TYPICAL ALL UNITS. **SMOKE DETECTORS CAN BE MOUNTED @ RETURN DUCTS**
- PROVIDE TURNING VANES ON ALL RECTANGULAR ELLS. TYPICAL.
- PROVIDE VOLUME DAMPERS ON ALL BRANCHES, ALL SYSTEMS, TYPICAL.
- 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.
- R-1 RETURN GRILLES. VOLUMES VARY DEPENDING ON OCCUPIED MODE. COORDINATE WITH G.C. AND OWNER.
- 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.
- S-1 DIFFUSERS TO BE SET HORIZONTALLY - TYPICAL UNLESS OTHERWISE 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.
- 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.
- 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.
- 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.



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



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	DATE	DESCRIPTION
1	26 APRIL 25	ISSUED FOR PERMIT & BID
2	27 MAY 25	ISSUED FOR OWNER CHANGES
3	03 MAY 25	ISSUED FOR PERMIT AMENDMENT
4	11 JULY 25	ISSUED FOR PERMIT AMENDMENT
5	15 AUGUST 25	ISSUED FOR MECHANICAL CHANGES
6	28 AUGUST 25	ISSUED FOR MECHANICAL CHANGES
7	1 OCTOBER 25	ISSUED FOR MECHANICAL CHANGES
8		

baaker/nestor+
ARCHITECTURE + DESIGN
600 N. CONNOR ST. STE. 202
CHICAGO, IL 60610
TEL: 312.467.1000
FAX: 312.467.1001

PREPARED FOR:
FABIO VIVIANI HOSPITALITY
3000 SOUTH HULEN ST., DALLAS, TX 75206

PROPOSED TENANT BUILD-OUT & RENOVATION FOR:
RESTAURANT & BAR

5380 REDFACE WAY, CINCINNATI, OH 45227

PROJECT NUMBER:	25003
FILE NAME:	T001.MIT
DRAWN BY:	ECJ
APPROVED:	SFM
DRAWING TITLE:	HVAC PLAN
DRAWING SCALE:	AS SHOWN
DATE ISSUED:	16 SEP 2025

PROFESSIONAL SEAL:

SHEET NUMBER:
M1

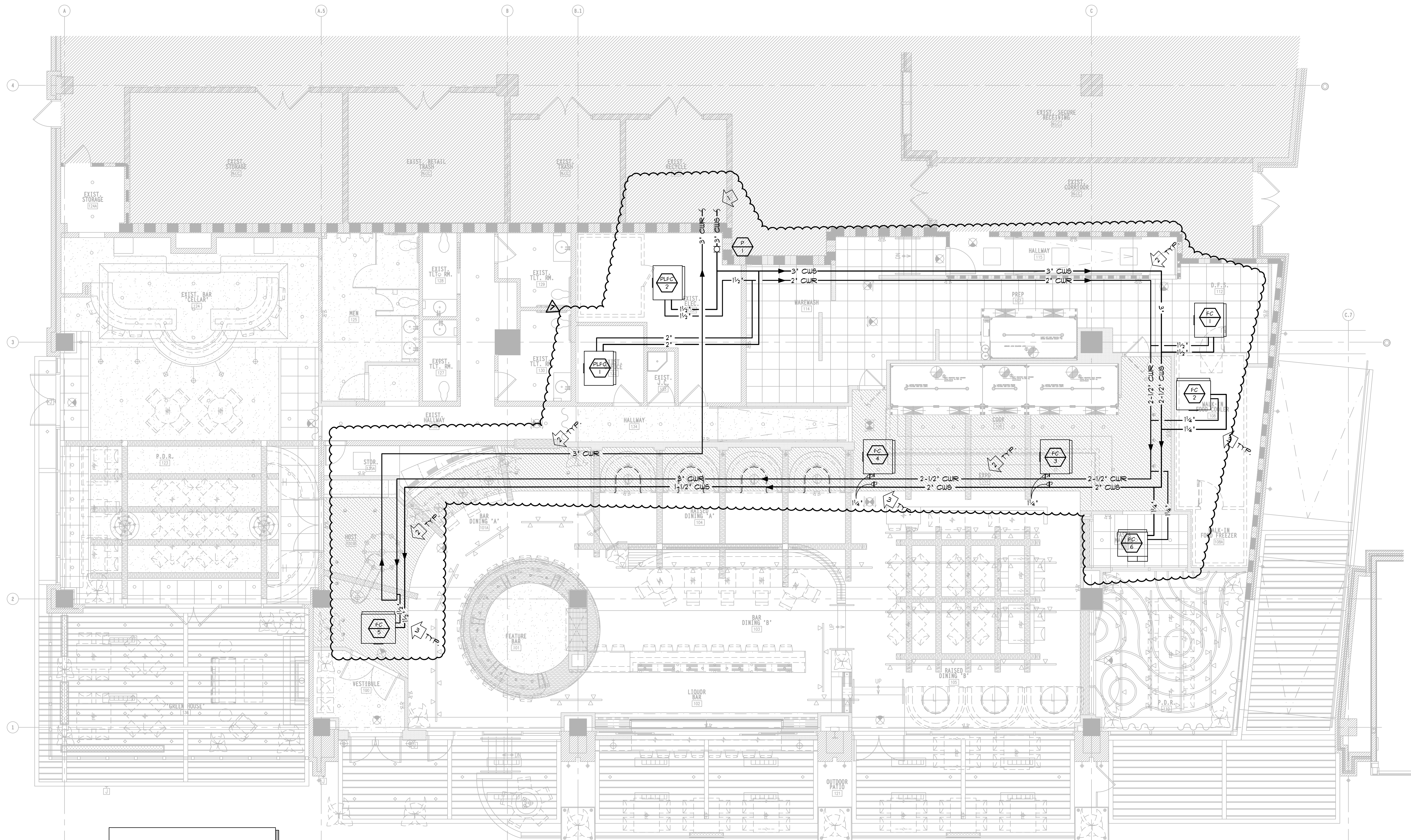
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CONSTRUCTION NOTES

- 1. CONNECT TO LANDLORD PROVIDED CHILLED WATER SUPPLY AND RETURN PRIMARY LOOP. VERIFY LOCATION PRIOR TO BID. INSTALL LANDLORD PROVIDED BTU METER CONNECTED TO THE LANDLORD BMS SYSTEM. VERIFY LOCATION AND SIZE PRIOR TO BID. COORDINATE WITH G.C. AND LANDLORD.
- 2. ROUTE CHILLED WATER PIPING ABOVE CEILINGS AS HIGH AS POSSIBLE TO THE WSPH UNITS. USE LANDLORD APPROVED ACOUSTIC ISOLATION MOUNTS. COORDINATE ROUTE WITH G.C. TYPICAL.
- 3. CONNECT CHILLED WATER PIPING TO EACH HVAC UNIT WITH THE SIZE SHOWN. PROVIDE THREEWAY CONTROL VALVE, FULL PORT BALL VALVES, BALANCING VALVE, UNION, PRESSURE GAUGE AND TEMPERATURE GAUGE. SEE HEAT PUMP WATER CONNECTION DETAIL 114.

GENERAL NOTES

- 1. WELDING OR DRILLING OF STRUCTURAL MEMBERS IS NOT ALLOWED.
- 2. SEE M3 FOR HVAC EQUIPMENT SCHEDULES, SYMBOLS & NOTES.
- 3. M.C. TO COORDINATE ALL WORK OUTSIDE OF TENANT SPACE WITH LANDLORD CONTRACTOR PRIOR TO BID.
- 4. ALL CONTRACTORS TO PROVIDE AS BUILT REDLINED DRAWINGS TO THE OWNER. AT THE COMPLETION OF THE PROJECT.



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

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

M201 HVAC HYDRONICS PLAN
SCALE: 3/16"=1'-0"

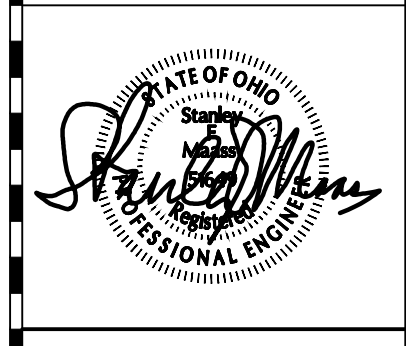
REVISION	ISSUE DESCRIPTION	ISSUE DATE
1	ISSUED FOR PERMIT & BID	28 APRIL 25
2	ISSUED FOR OWNER CHANGES	27 MAY 25
3	ISSUED FOR 2D ZONING REVIEWS	03 JULY 25
4	ISSUED FOR PERMIT AMENDMENT	11 JULY 25
5	ISSUED FOR ELECTRICAL PERMIT CHANGES	15 AUGUST 25
6	ISSUED FOR MECHANICAL CHANGES	28 AUGUST 25
7		

+ baker/nestor +
ARCHITECTURE + DESIGN
600 N. COMMERCE STREET, SUITE 400
DALLAS, TX 75201
TEL: 469-740-1100
FAX: 469-740-1101

PREPARED FOR:
FABIO VIVIANI HOSPITALITY
3000 SOUTH HULEN ST., DALLAS, TX 75206

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

PROJECT NUMBER:	20003
FILE NAME:	FV0202
DRAWN BY:	ECJ
APPROVED:	SFM
DRAWING TITLE:	HVAC HYDRONICS PLAN
DRAWING SCALE:	AS SHOWN
DATE ISSUED:	16 APRIL 25



PROFESSIONAL SEAL:

SHEET NUMBER:
M2

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MECHANICAL EQUIPMENT SCHEDULE

MARK	AREA SERVED	HEATING		COOLING				WATER			FRESH AIR DATA				MANUFACTURER			GENERAL		ELECTRICAL			CONTROLS AND REMARKS	NOTE		
		cap	kW	load	cap	evt	lvt	nm. lbs	gpm	ft. head	cfm	e.s.p.	hp	people	min.cfm	act.cfm	name	model no.	options	weight	m.c.o.	volts			phase	m.o.c.p.
FC-1	KITCHEN	MBH 34	10.0	78	124	44	55	7.5	21.9	9.4	3000	1.0	3.0	10	900	3000	CARRIER	42DHA30	TWO-STAGE ELECTRIC HEAT	374 LBS.	21.0	460	3PH	25A	PROGRAMMABLE THERMOSTAT W/ REMOTE TEMPERATURE AND HUMIDITY SENSOR.	A,B,C
FC-2	DISPLAY KITCHEN	-	-	56	96	44	56	7.5	15.5	5.5	2250	1.0	1.0	7	675	2250	CARRIER	42DHA30	-	306 LBS.	5.5	460	3PH	15A	PROGRAMMABLE THERMOSTAT W/ REMOTE TEMPERATURE AND HUMIDITY SENSOR.	A,B,C
FC-3	BAR/DINING	MBH 68	20.0	51	78	44	55	6.0	14.2	9.7	2000	1.0	3.0	31	600	2000	CARRIER	42DHA22	TWO-STAGE ELECTRIC HEAT	331 LBS.	34.0	460	3PH	35A	PROGRAMMABLE THERMOSTAT W/ REMOTE TEMPERATURE AND HUMIDITY SENSOR.	A,B,C
FC-4	BAR/DINING	MBH 68	20.0	51	78	44	55	6.0	14.2	9.7	2000	1.0	3.0	31	600	2000	CARRIER	42DHA22	TWO-STAGE ELECTRIC HEAT	331 LBS.	34.0	460	3PH	35A	PROGRAMMABLE THERMOSTAT W/ REMOTE TEMPERATURE AND HUMIDITY SENSOR.	A,B,C
FC-5	BAR/DINING	MBH 102	30.0	79	125	44	55	7.5	22.4	9.8	3000	1.0	3.0	31	900	3000	CARRIER	42DHA30	TWO-STAGE ELECTRIC HEAT	374 LBS.	52.6	460	3PH	60A	PROGRAMMABLE THERMOSTAT W/ REMOTE TEMPERATURE AND HUMIDITY SENSOR.	A,B,C
FC-6	PDR	MBH 34	10.0	30	46	44	55	3.0	8.6	12.9	1125	1.0	1.0	12	300	1125	CARRIER	42DHA12	TWO-STAGE ELECTRIC HEAT	227 LBS.	17.7	460	3PH	20A	PROGRAMMABLE THERMOSTAT W/ REMOTE TEMPERATURE AND HUMIDITY SENSOR.	A,B,C
PLFC-1	PDR #123	MBH 34	10.0	124	135	48	58	10.0	28.1	23.1	3980	1.5	3.0	60	1200	3980	CARRIER	42BHE40	TWO-STAGE ELECTRIC HEAT	983 LBS.	20.1	460	3PH	25A	PROGRAMMABLE THERMOSTAT W/ REMOTE TEMPERATURE AND HUMIDITY SENSOR.	A,B,C
PLFC-2	EXIST BAR CELLAR	MBH 28	8.0	78	95	48	58	7.5	19.8	10.0	2380	1.5	3.0	12	715	2380	CARRIER	42BHE30	TWO-STAGE ELECTRIC HEAT	374 LBS.	15.8	460	3PH	20A	PROGRAMMABLE THERMOSTAT W/ REMOTE TEMPERATURE AND HUMIDITY SENSOR.	A,B,C

NOTES:

A. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR COMPLETE. MECHANICAL CONTRACTOR TO PROVIDE ALL MEANS, METHODS, AND MATERIALS NECESSARY FOR COMPLETE INSTALLATION. INCLUDE CONDENSATE DRAIN, DRAIN PAN AND CONDENSATE PUMP WHERE REQUIRED.
 B. PROVIDE DRAIN PAN DETECTION OPTION FOR FC OR PROVIDE SEPARATE DETECTORS TO ENSURE UNIT SHUTOFF IN THE EVENT OF THE CONDENSATE DRAIN OBSTRUCTION.
 C. MAINTAIN MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES.

MECHANICAL EQUIPMENT SCHEDULE

MARK	AREA SERVED	HEATING		COOLING				FAN SECTION			FRESH AIR DATA				MANUFACTURER			GENERAL		ELECTRICAL			CONTROLS AND REMARKS	NOTE	
		load	input	output	type	load	cap	evt	lvt	nm. lbs	gpm	ft. head	e.s.p.	hp	people	min.cfm	act.cfm	name	model number	options	weight	m.c.o.			volts
MUA-1	KITCHEN	MBH 640	MBH 771	MBH 625	GAS	-	-	-	-	7250	0.5	7.5	-	7250	7250	GREASE MASTER	GRTU4-1800-30	BUILT IN OUTSIDE AIR DAMPER	3442 LBS.	13.8	480	3PH	20A	INTEGRATED DUCT MOUNTED DISCHARGE AIR TEMPERATURE SENSOR	A,B

NOTES:

A. FURNISHED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR COMPLETE. MECHANICAL CONTRACTOR TO PROVIDE ALL MEANS, METHODS, AND MATERIALS NECESSARY FOR COMPLETE INSTALLATION.
 B. CONTRACTOR TO SET THE HUMIDITY CONTROLS TO MAINTAIN 55% HUMIDITY ON RTUS.

HOOD AND FAN SCHEDULE

MARK	AREA SERVED	MANUFACTURER AND MODEL NO.	CFM	E.S.P.	HP	WEIGHT	ELECTRICAL	LOCATION	INTERLOCK AND CONTROLS	ACCESSORIES	NOTE
PCU-1	HOODS-1, 2, 3, AND 4	AUTOCLEAN #8000	6985	2.0	-	2300 LBS.	230V/1PH	CEILING	INTERLOCK W/HOODS	508A	A
EF-1	PCU-1	COOK #2250RX	6985	4.0	10.0	INCLUDED W/PCU	460V/3PH	CEILING	INTERLOCK W/PCU-1	705	A
EF-2	DISH MACHINE	GREASE MASTER #GHSF100-SS	650	0.5	0.5	179 LBS.	115V/1PH	CEILING	INTERLOCK W/DISH MACHINE	705	A
EF-3	RESTROOM	GREASE MASTER #GHSF100	650	0.5	0.5	162 LBS.	115V/1PH	CEILING	INTERLOCK W/HOODS	705	A
	HOOD #1 - PREP	GREASE MASTER	1830	-	-	1075 LBS.	120V/1PH	CEILING	-	710	A,B
	HOOD #2 - COOKLINE	GREASE MASTER	1935	-	-	575 LBS.	120V/1PH	CEILING	-	710	A,B
	HOOD #3 - COOKLINE	GREASE MASTER	1300	-	-	316 LBS.	120V/1PH	CEILING	-	710	A,B
	HOOD #4 - COOKLINE	GREASE MASTER	1920	-	-	587 LBS.	120V/1PH	CEILING	-	710	A,B

NOTES:

A. FURNISHED BY OWNER AND INSTALLED BY MECHANICAL CONTRACTOR COMPLETE. MECHANICAL CONTRACTOR TO PROVIDE ALL NECESSARY COMPONENTS NOT SUPPLIED WITH UNIT.
 B. HOOD TO BE MANUFACTURED FOR ZERO CLEARANCE TO COMBUSTIBLES WHERE REQUIRED.

CIRCULATOR PUMP SCHEDULE

MARK	SYSTEM	TYPE	GPM	FT HEAD	MFG	MODEL	ELECTRIC	NOTE
P-1	CW CIRC	FLANGED	145	36.0	GRUNDFOS	98126860	230V1PH 6.8A	-

NOTES:

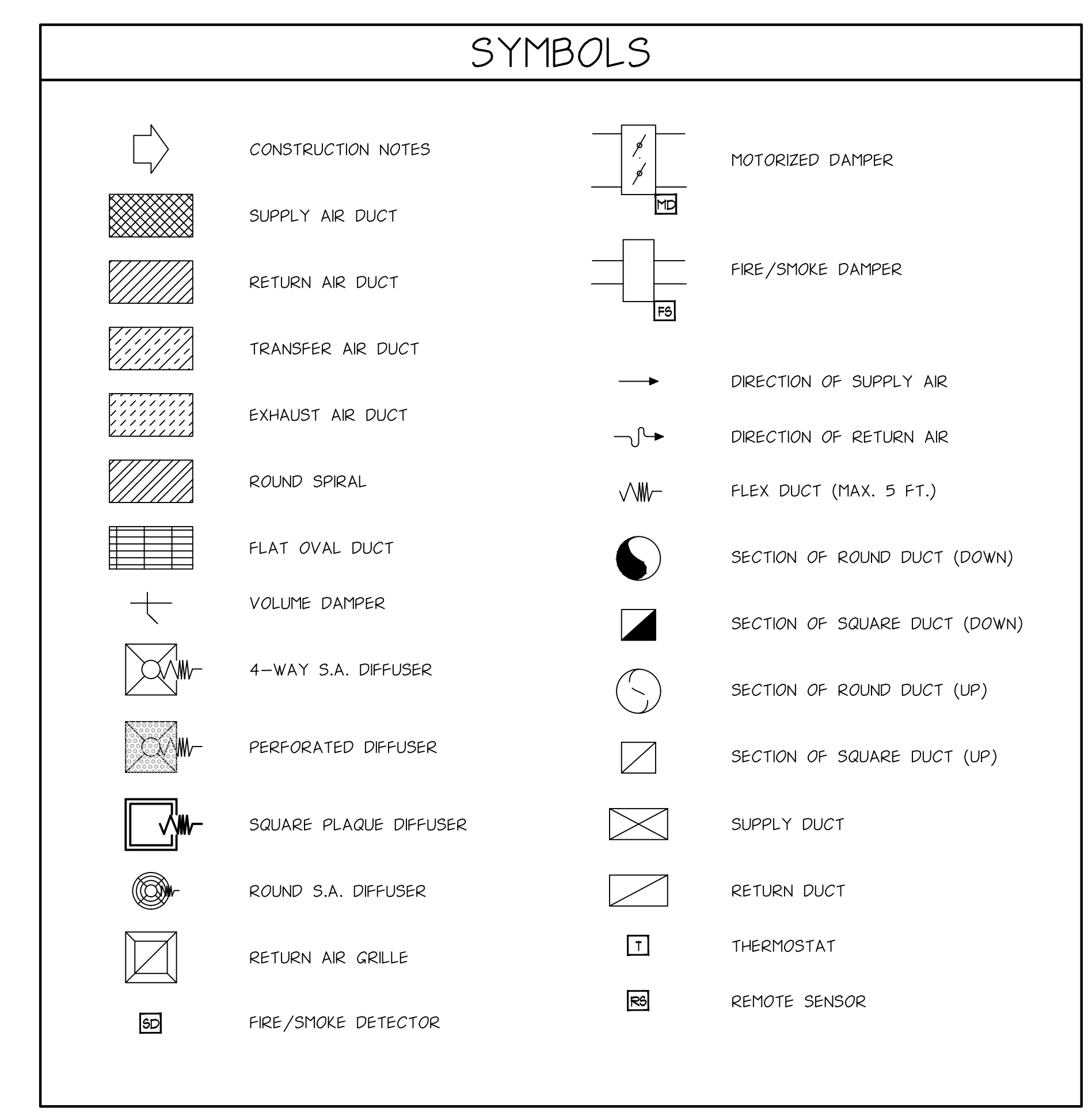
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AIR BALANCE DATA

MARK	DESCRIPTION	AIR - CFM				NOTES
		KITCHEN FRESH	DINING FRESH	KITCHEN EXHAUST	DINING EXHAUST	
PL-FC1	EXIST. PLACEBO BAR		1200			
PL-FC2	EXIST. PLACEBO BAR		75			
FC-1	KITCHEN	900				
FC-2	EXPO LINE		675			
FC-3	RAISED DINING B		600			
FC-4	RAISED DINING / BAR A		600			
FC-5	BAR DINING B / ENTRY		900			
FC-6	P.D.R.		300			
EF-1	HOOD-1, 2, 3, 4	850	1895	1830	515	B
EF-2	DISH MACHINE			(650)		
EF-3	RESTROOMS				650	
MUA-1	FC SYSTEM & KITCHEN	(3645)	(4990)			B
	DINING TOTAL		6885		5805	
	KITCHEN TOTAL	1750		1830		A
	GRAND TOTAL		8635		7635	

NOTES:

A. KITCHEN TO BE BALANCED AT A MINIMUM 1% NEGATIVE.
 B. VOLUMES SHOWN IN (BRACKETS) ARE INTERMITTENT AND ARE INTERLOCKED WITH THE LIGHTS, THEREFORE ARE NOT IN THE TOTAL.



DIFFUSER SCHEDULE

SYMBOL	MARK	TYPE	SIZE	MANUFACTURER & MODEL NO.	OPTIONS	MATERIAL	NOTES
	S-1	SPIRAL DUCT MOUNT	14/6	PRICE #5DC OR EQUAL	DOUBLE DEFLECTION BLADES	STEEL	MOUNT HORIZONTALLY & ADJUST BLADES
	S-2	DUCT OR SURFACE MOUNT	14X6	PRICE #500 OR EQUAL	DOUBLE DEFLECTION BLADES	STEEL	MOUNT HORIZONTALLY & ADJUST BLADES
	S-3	LAY IN OR SURFACE MOUNT	24X24	PRICE #A1D-4A OR EQUAL	SR ADAPTER	ALUMINUM	ADJUST BLADES
	S-4	LAY IN OR SURFACE MOUNT	24X24	PRICE #APDC OR EQUAL	SR ADAPTER	ALUMINUM	ADJUST PATTERN CONTROLLERS
	S-5	SURFACE MOUNTING	24X24	PRICE #SPD OR EQUAL	PRICE #VCRB VOLUME DAMPER	STEEL	INSULATION BLANKET
	S-6	CEILING OR DUCT MOUNT	36f. OR 48f.	PRICE #SDS150 OR EQUAL	THREE SLOTS	ALUMINUM	ADJUST BLADES
	R-2	LAY IN OR DUCT MOUNT	48X24	PRICE #80 OR EQUAL		ALUM.	NO FILTER
	R-3	SIDE WALL OR SURFACE MOUNT	SIZED ON PLAN	PRICE #80 OR EQUAL	GRID SIZE AND ANGLE	ALUMINUM	NO FILTER
	R-1	LAY IN OR SURFACE MOUNT	12X12 OR 24X24	PRICE #80 OR EQUAL	GRID SIZE AND ANGLE	ALUMINUM	NO FILTER

ISSUE DATE: 28 APRIL 25
 27 MAY 25
 03 JULY 25
 11 JULY 25
 15 AUGUST 25
 28 AUGUST 25

ISSUE DESCRIPTION:
 ISSUED FOR PERMIT FOR PERMITS & BID
 ISSUED FOR OWNER CHANGES
 ISSUED FOR PERMITS & DESIGN
 ISSUED FOR PERMITS & DESIGN
 ISSUED FOR PERMITS & DESIGN
 ISSUED FOR ELECTRICAL PERMITS & DESIGN
 ISSUED FOR MECHANICAL CHANGES

COMMENTS:
 1
 2
 3
 4
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 7

PROJECT NUMBER: 23003
 FILE NAME: REVISIONS
 DRAWN BY: ECI
 APPROVER: SFM
 DRAWING TITLE: MECHANICAL SCHEDULES
 DRAWING SCALE: AS SHOWN
 DATE ISSUED: 16 APRIL 2023

PROPOSED TENANT BUILD-OUT & RENOVATION FOR:
RESTAURANT & BAR
 5380 MEDFAC HWY., CINCINNATI, OH 45227

PREPARED FOR:
FABIO VIVIANI HOSPITALITY
 3000 SOUTH HULEN ST., DALLAS, TX 75206

PROJECT NUMBER: 23003
 FILE NAME: REVISIONS
 DRAWN BY: ECI
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PROFESSIONAL SEAL:

PROJECT NUMBER: 23003
 FILE NAME: REVISIONS
 DRAWN BY: ECI
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 DRAWING TITLE: MECHANICAL SCHEDULES
 DRAWING SCALE: AS SHOWN
 DATE ISSUED: 16 APRIL 2023

SHEET NUMBER:
M3

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HOOD INFORMATION - JOB#7482039

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM				TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA			CFM	VEL	SP
1	Prep	6024 GSN-2-PSP-F	GREASEMASTER	10' 2"	600 DEG	I	HEAVY	180	1830	4'	14'	1830	1712	-0.894'	1280	430 SS WHERE EXPOSED	ALONE	ALONE
2	ML-L	6024 GSN-2-PSP-F	GREASEMASTER	10' 9"	600 DEG	I	HEAVY	180	1935	4'	16'	1935	1386	-0.726'	1300	430 SS WHERE EXPOSED	LEFT	ALONE
3	ML-C	6024 GSN-2-PSP-F	GREASEMASTER	5' 2"	600 DEG	I	HEAVY	252	1300	4'	14'	1300	1216	-0.686'	640	430 SS WHERE EXPOSED	MIDDLE	ALONE
4	ML-R	6024 GSN-2-PSP-F	GREASEMASTER	10' 8"	600 DEG	I	HEAVY	180	1920	4'	16'	1920	1375	-0.716'	1380	430 SS WHERE EXPOSED	RIGHT	ALONE
5	Dish	5424 VGS-G	GREASEMASTER	6' 0"	700 DEG	II	N/A	108	650	4'	10'	650	1192	-0.080'	0	430 SS 100%	ALONE	ALONE

GREASE MASTER HOODS ARE BUILT IN COMPLIANCE WITH UL 710 AND NFPA 96 AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING:
ETL SANITATION LISTED
ETL LISTED FILE# 3054804-001

FAN #3 GMRTU4-I.800-30MF - HEATER (MAU-1)

- NOTES:
1. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
2. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
3. FLOOR MOUNT ISOLATORS LOCATED 1" FROM EITHER DIRECTION OF BASE, 39 5/8" FROM END OF BASE AND 43 3/8" FROM SIDE OF BASE. ACCOUNT FOR AN ADDITIONAL 5" FOR ISOLATOR HEIGHT.
4. QUANTITIES SUBJECT TO CHANGE DEPENDING ON FILTER TYPES.
5. 3/4" NPT SS GAS CONN. FOR 200-400 MBH FURNACES 1" NPT SS GAS CONN. FOR 500 MBH FURNACES.
6. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 33.875' x 21.125'.

EXHAUST FAN INFORMATION - JOB#7482039

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	WEIGHT (LBS)	SDNES
1	DEF	1	GMSF11DD-SS	GREASEMASTER	650	0.500	1392	TEAD-ECM	0.500	0.2360	1	115	6.3	179	8.1
2	REF	1	GMSF11DD	GREASEMASTER	650	0.500	1383	TEAD-ECM	0.500	0.2310	1	115	6.3	162	8

DOAS/RTU FAN SCHEDULE - JOB#7482039

FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	FAN INFORMATION				ELECTRICAL INFORMATION				GAS HEAT INFORMATION				NOTES					
				MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MDCP		GAS TYPE	INPUT BTUS	OUTPUT BTUS	TEMP RISE	REQUIRED INPUT GAS PRESSURE
3	MAU-1	1	GMRTU4-1800-30	GREASEMASTER	30MF-4-RTU	0	7432	7432	3442	0.500	7.50	3	460	13.8A	20A	NATURAL	790342	640177	70°F	7 IN. W.C. - 14 IN. W.C.	1,2,3,4,5,6

- NOTES:
1. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE.
2. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER.
3. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER.
4. 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 1/4GA BASE.
5. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 12:1 TURNDOWN WITH NG AND 10:1 TURNDOWN WITH LP.
6. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE.

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	Prep	FIELD WRAPPER 18.00" HIGH FRONT, RIGHT. LEFT END STANDOFF (FINISHED) 1" WIDE 60" LONG INSULATED. BALANCE DAMPERS. INSULATION FOR BACK OF HOOD. RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS. LEFT WALL AS END PANEL.
2	ML-L	FIELD WRAPPER 18.00" HIGH FRONT. LEFT END STANDOFF (FINISHED) 1" WIDE 60" LONG INSULATED. BALANCE DAMPERS. LEFT WALL AS END PANEL.
3	ML-C	FIELD WRAPPER 18.00" HIGH FRONT. BALANCE DAMPERS. INSULATION FOR BACK OF HOOD.
4	ML-R	FIELD WRAPPER 18.00" HIGH FRONT, RIGHT. RIGHT END STANDOFF (FINISHED) 1" WIDE 60" LONG INSULATED. BALANCE DAMPERS. RIGHT WALL AS END PANEL.
5	Dish	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.

SINGLE WALL FACTORY BUILT DUCTWORK

- ALL DUCTWORK IS REQUIRED TO BE INSTALLED WITH THE MAXIMUM SUPPORT SPACING LISTED BELOW.
- FOR A COMPLETE LIST OF APPROVED SUPPORT METHODS, SEE THE INSTALLATION AND OPERATION MANUAL.
- DUCTWORK SHALL SLOPE NOT LESS THAN 1/16" PER LINEAR FOOT TOWARDS THE HOOD OR AN APPROVED GREASE COLLECTION RESERVOIR.
- WHERE HORIZONTAL DUCTS EXCEED 75 FEET IN LENGTH, THE SLOPE SHALL NOT BE LESS THAN 3/16" PER LINEAR FOOT.

DUCT DIAMETER	HORIZONTAL SUPPORT (FT)	VERTICAL SUPPORT (FT)	VERTICAL CURB SUPPORT (FT)
5"	10'	10'	24'
6"	10'	10'	24'
7"	10'	10'	24'
8"	10'	10'	24'
10"	10'	10'	24'
12"	10'	10'	24'
14"	10'	10'	24'
16"	10'	10'	24'
18"	10'	10'	24'
20"	10'	10'	24'
22"	10'	10'	24'
24"	10'	10'	24'
26"	10'	10'	24'
28"	10'	10'	24'
30"	10'	10'	24'
32"	10'	10'	24'
34"	10'	10'	24'
36"	10'	10'	24'

FIRE SYSTEM INFORMATION - JOB#7482039

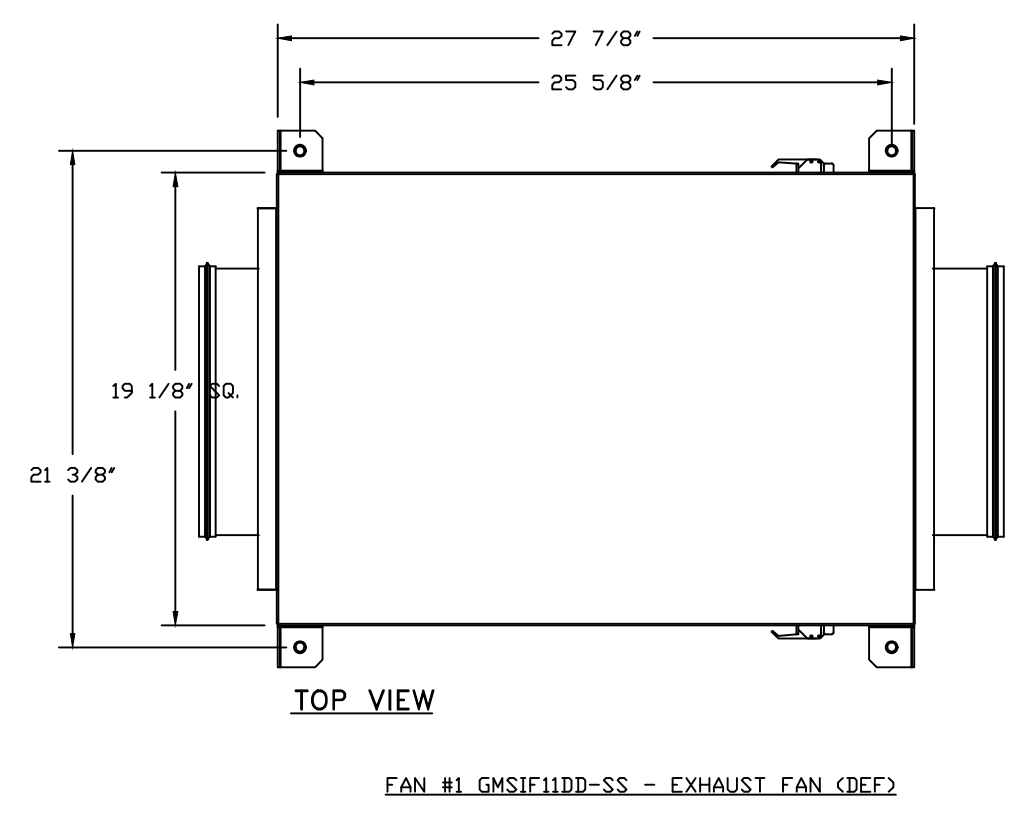
FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	40	116	FIRE CABINET RIGHT	RIGHT, HOOD 1
			4.0/4.0/4.0/4.0	80		WALL UTILITY CABINET LEFT	N/A

GAS VALVE(S)

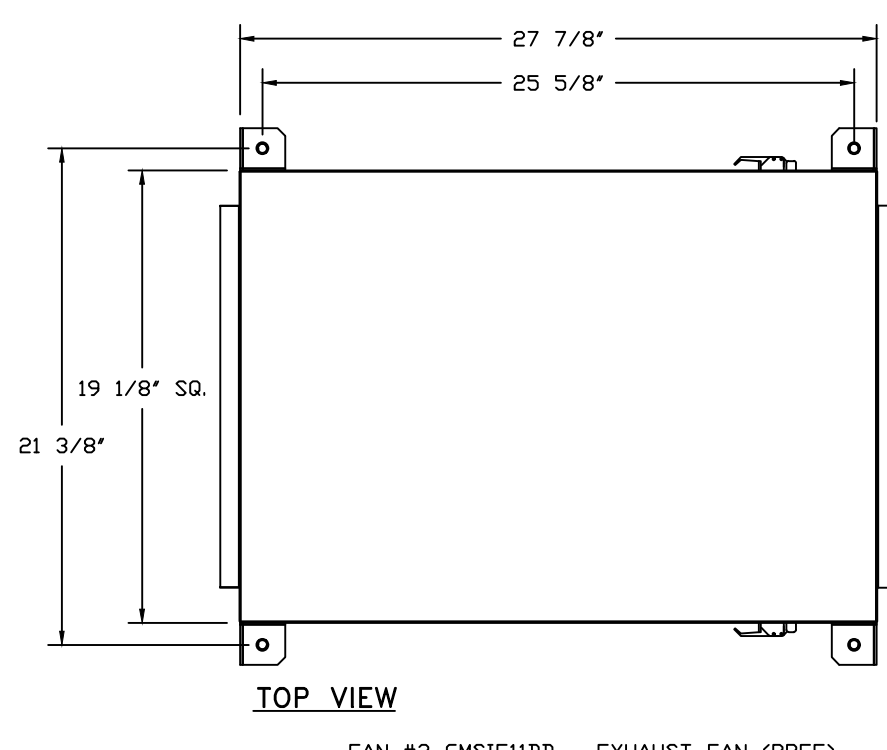
FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	3.000	GREASEMASTER

WALL-MOUNT UTILITY CABINET

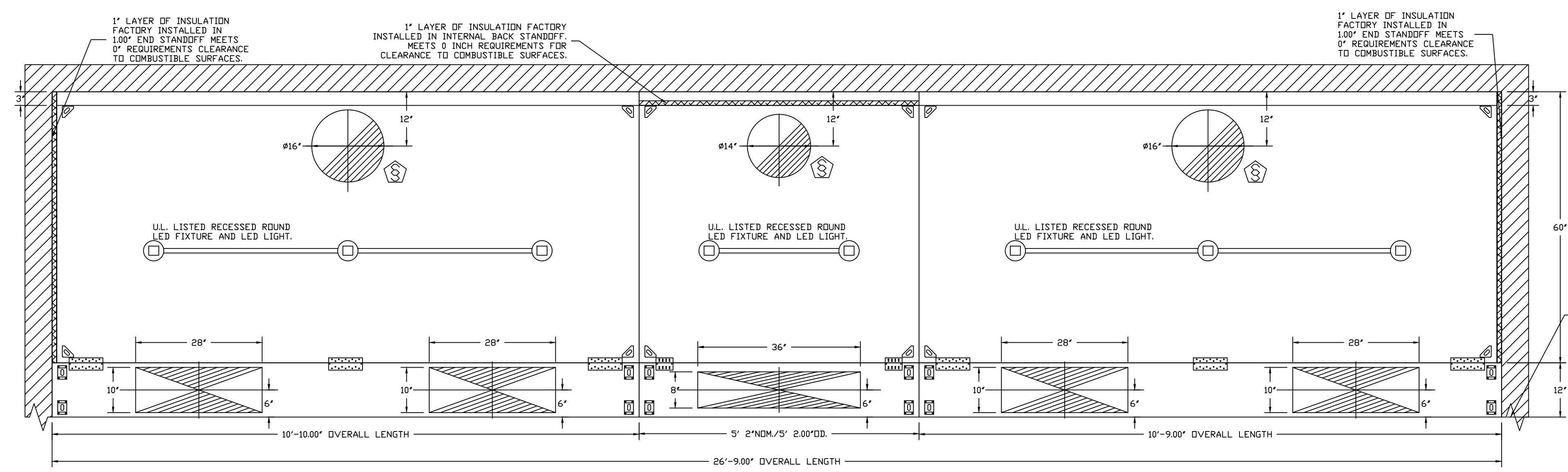
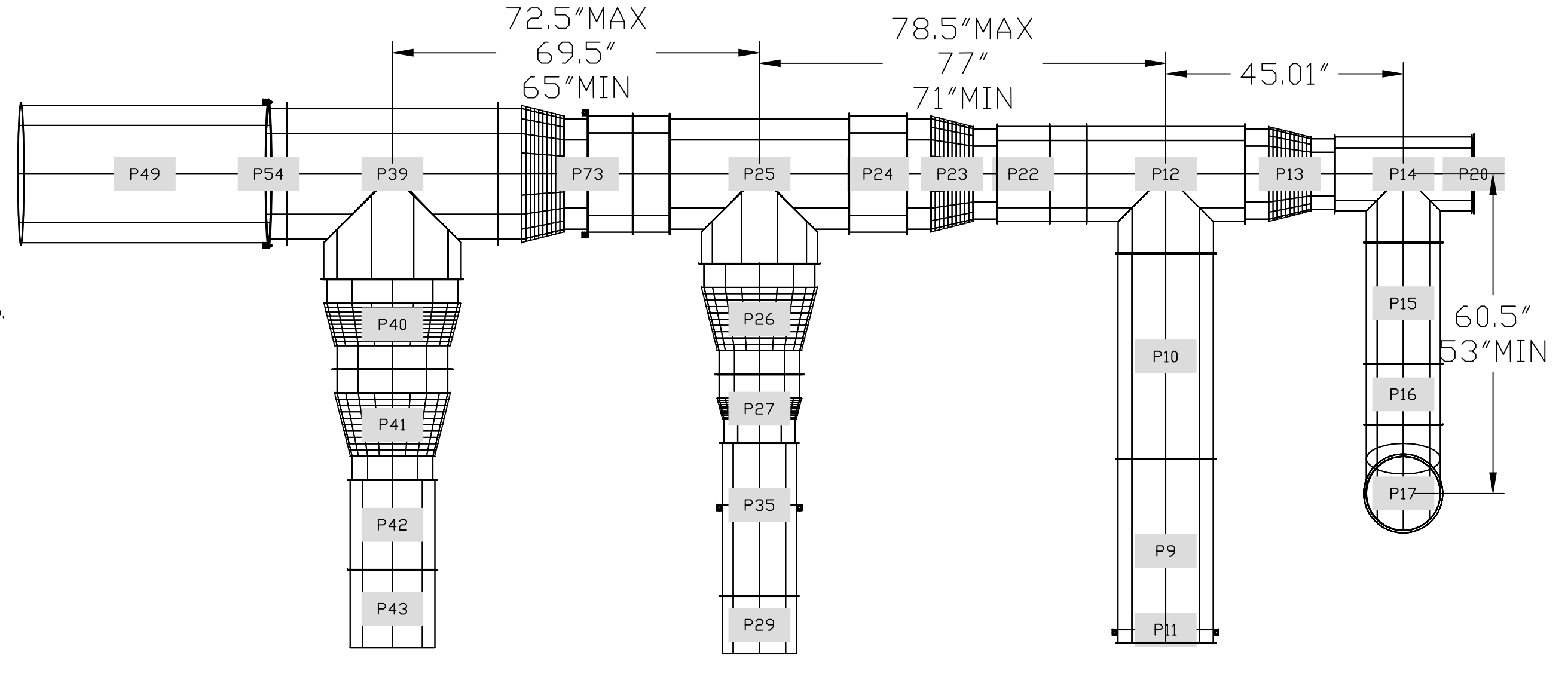
HOOD NO	LOCATION	SIZE	TYPE	UTILITY CABINETS		WEIGHT
				FIRE SYSTEM	ELECTRICAL SWITCHES	
1	WALL MNT	12"x60"x30"	TANK FS	4.0/4.0/4.0/4.0		500.00 LBS



- FEATURES:**
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- TWO ACCESS DOORS FOR EASY ACCESS.
- BACKWARD INCLINED NON-OVERLOADING WHEELS.
- UL705 LISTING.
- AMCA AIR & SOUND CERTIFIED.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- 2" NPT THREADED DRAIN CENTERED IN BASE (SS MODELS).
- OPTIONS:**
- SIF - STAINLESS STEEL HOUSING CONSTRUCTION.
- SIF1 - INLET - STANDARD 12" DUCT CONNECTION.
- SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (11-36).
- ECM WINDING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL - (MCC - TELECO) CCM ROTATION.
- HANGING SPRING VIBRATION ISOLATORS (SET OF 4). FOR INDOOR OR OUTDOOR USE WITH SQUARE INLINE FANS (SIAIS2S).
- 1.5-RID BANNER.
- SIF1-SS - STRAIGHT DISCHARGE, STANDARD 12" DUCT CONNECTION.
- FULL CRATING FOR EXHAUST FANS.
- 2 YEAR PARTS WARRANTY.



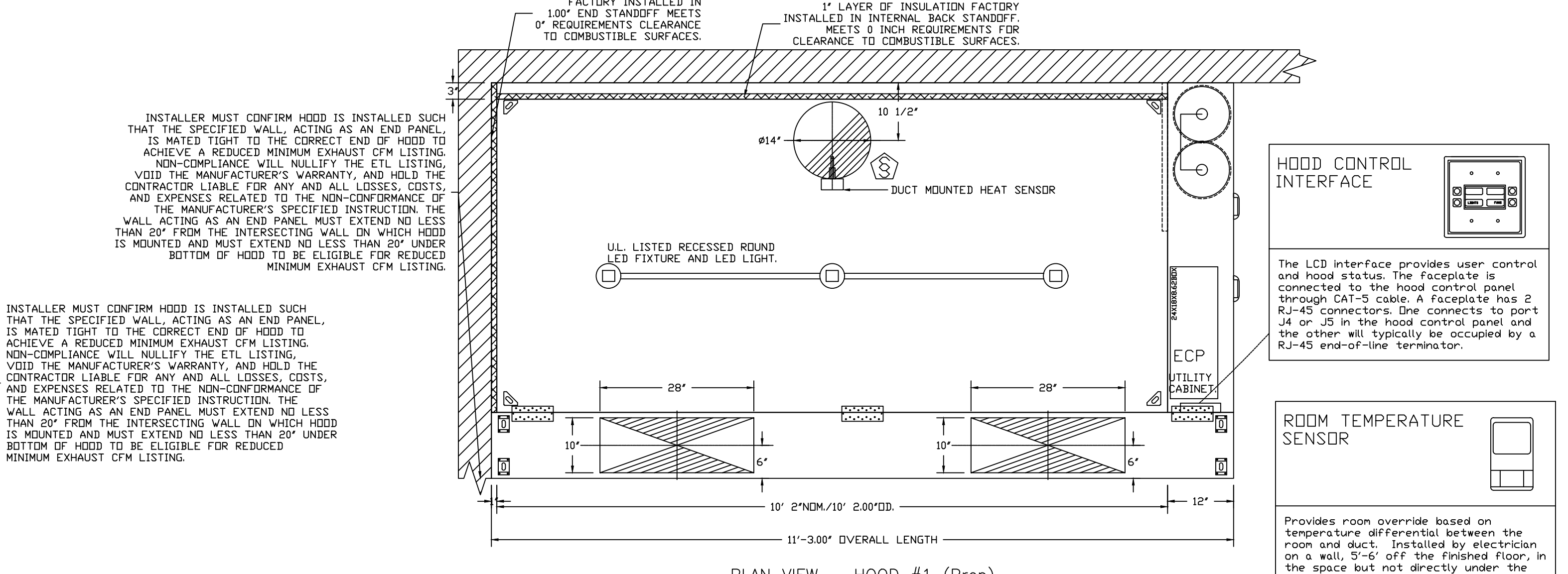
- FEATURES:**
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- TWO ACCESS DOORS FOR EASY ACCESS.
- BACKWARD INCLINED NON-OVERLOADING WHEELS.
- UL705 LISTING.
- AMCA AIR & SOUND CERTIFIED.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- OPTIONS:**
- SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (11-36).
- ECM WINDING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL - (MCC - TELECO) CCM ROTATION.
- HANGING SPRING VIBRATION ISOLATORS (SET OF 4). FOR INDOOR OR OUTDOOR USE WITH SQUARE INLINE FANS (SIAIS2S).
- 1.5-RID BANNER.
- SIF1 - STRAIGHT DISCHARGE, SQUARE DUCT CONNECTION.
- SIF1 - INLET - SQUARE DUCT CONNECTION.
- FULL CRATING FOR EXHAUST FANS.
- 2 YEAR PARTS WARRANTY.



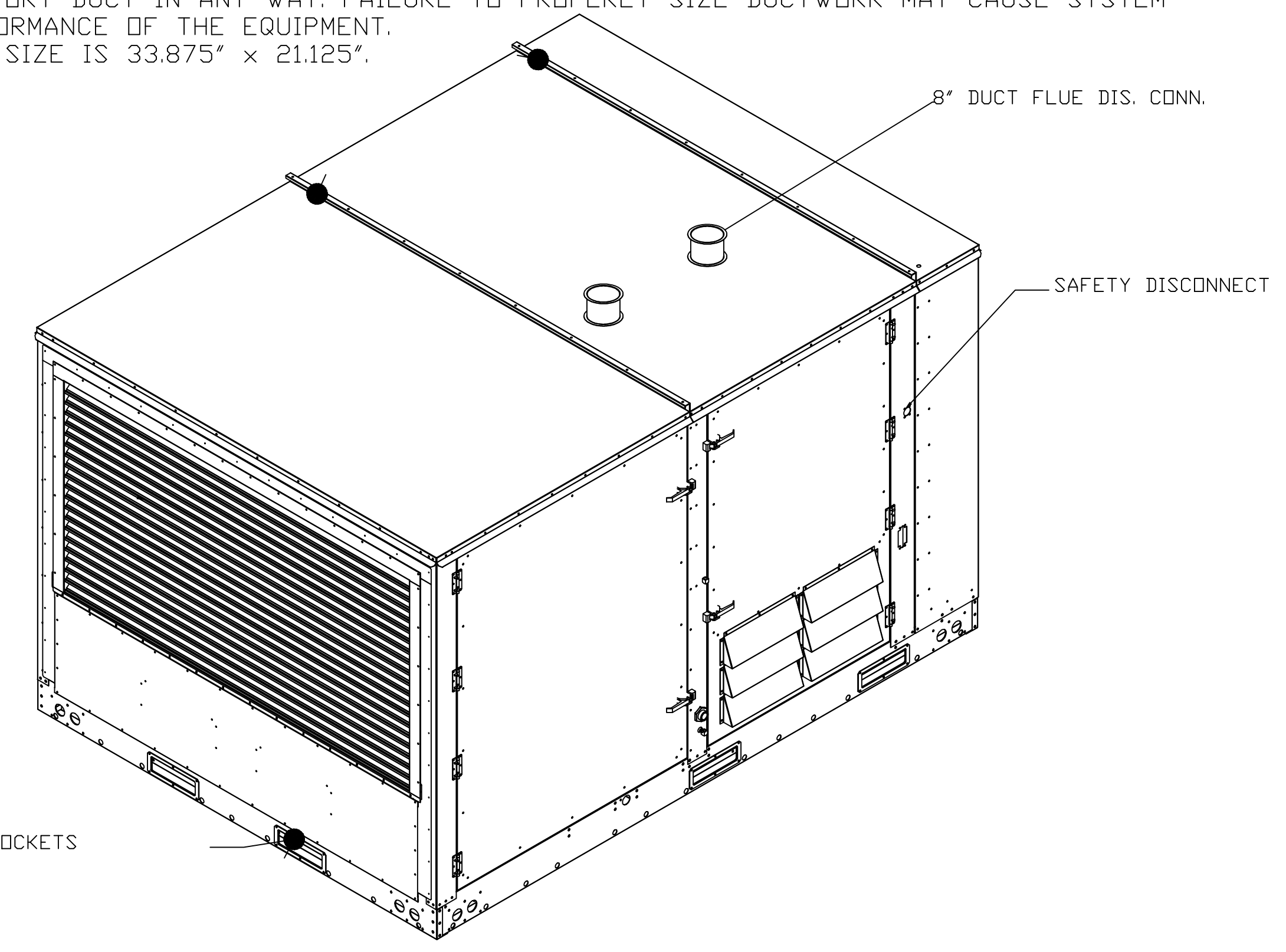
PLAN VIEW - HOOD #2 (ML-L)
10' 9.00" LONG 6024GSN-2-PSP-F

PLAN VIEW - HOOD #3 (ML-C)
5' 2.00" LONG 6024GSN-2-PSP-F

PLAN VIEW - HOOD #4 (ML-R)
10' 8.00" LONG 6024GSN-2-PSP-F



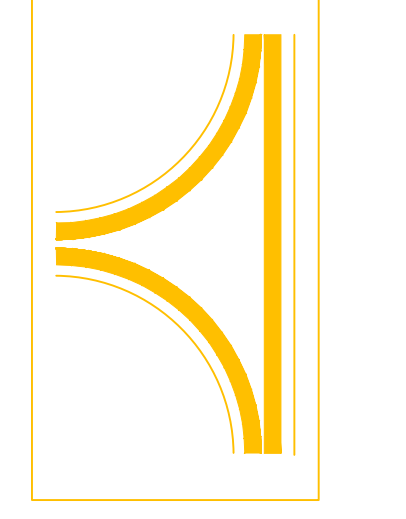
PLAN VIEW - HOOD #1 (Prep)
10' 2.00" LONG 6024GSN-2-PSP-F



REVISIONS

NO.	DESCRIPTION	DATE

GREASE MASTER
608 MATTHEWS-MINT HILL RD, STE 105, MATTHEWS, NC 28105
TELEPHONE 704-844-6907 FAX 704-844-8013
WWW.GREASEMASTER.COM INFO@GREASEMASTER.COM



Zingaro Cincinnati Med Space- R1
5380 Medpace Way,
Cincinnati, OH, 45227

DATE: 4/21/2025
DWG.#: 7482039
DRAWN BY: dloreidt
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1

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

ARCHITECTURE + DESIGN
FABIO VIVIANI HOSPITALITY
3000 SOUTH HULEN ST., DALLAS, TX 75206

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

DATE: 4/21/2025
DWG.#: 7482039
DRAWN BY: dloreidt
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1

SHEET NUMBER: M5

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