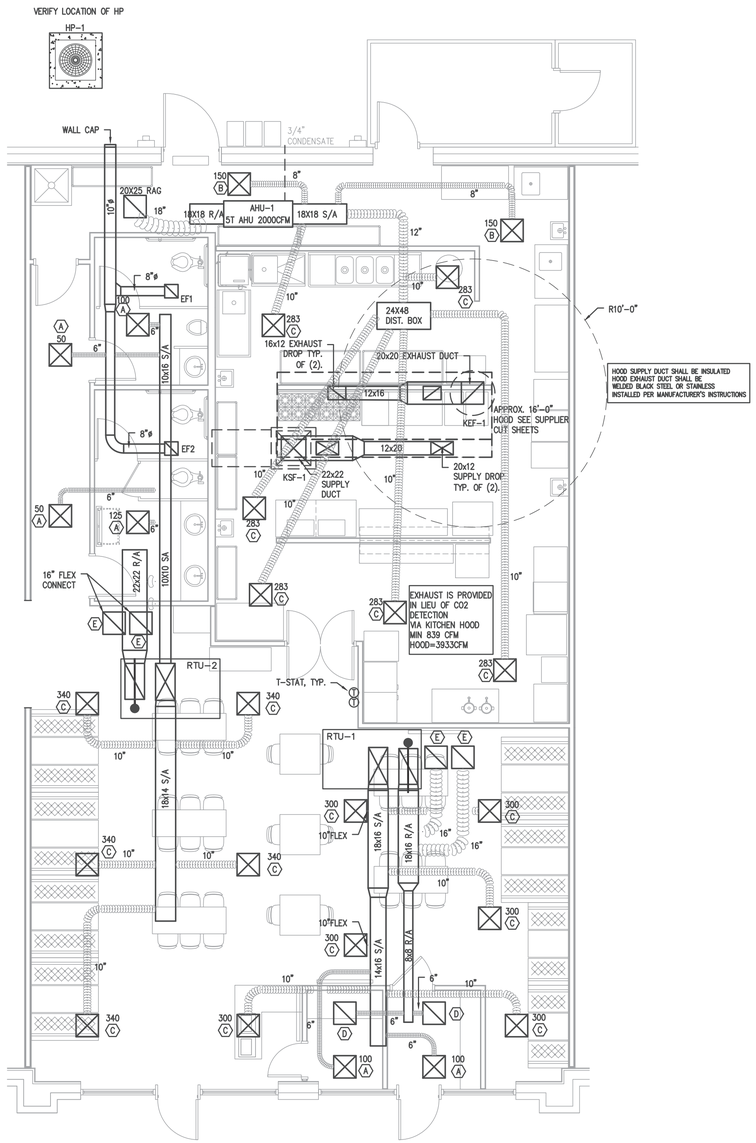

1
M2
HVAC PLAN
3/16"=1'

AIR HANDLING UNIT SCHEDULE

UNIT NO.	CFM	OA CFM	ESP IN WG	FAN MOTOR HP	VOLTS	PHASE	CYCLE	FLA	MCA	MOCP	MFG. & MODEL	REMARKS
AHU-1	2000			3/4	208	1	60	5.9	42/52	45/60		5 TON AIR HANDLER W/ 10KW STRIPS STRIPS MAY BE ELIMINATED IN THIS UNIT AT CONTRACTORS OPTION

HEAT PUMP UNIT SCHEDULE

OUTDOOR UNIT UNIT NO.	COMPRESSOR AMPS	NO. OF COMPR.	FAN AMPS	NO. OF FANS	UNIT VOLT	UNIT PHASE	MOCP	MCA	WIRE SIZE (DU. 75 C)	CAPACITIES TOTAL COOLING	MIN. SEER	HEATING	MFG & MODEL	REMARKS
HP-1	30.1	1	1.9	1	240	1	60	39	6	58000	10.50	60500		5 TON HEAT PUMP UNIT

HOOD FAN SCHEDULE

MARK	LOCATION	SERVICE	CFM	S.P.	HP	RPM	VOLT	PHASE	DRIVE	REMARKS
KEF1	ROOF	HOOD	3933	1.0"	1.39	1271	208	1	BELT	ROOF MTD. EXHAUST FAN CAPTIVEAIRE NCA16FA VERIFY WITH SUPPLIER
KSF1	ROOF	HOOD	3147	.75"	1.18	796	208	1	BELT	ROOF MTD. MAKEUP FAN CAPTIVEAIRE A2-G12 VERIFY WITH SUPPLIER

ROOFTOP UNIT SCHEDULE

UNIT NO.	TOTAL CFM	O.A. CFM	EXT. S.P.	EVAP. FAN HP	COMPRESSOR AMPS	NO. OF COMPR.	FAN AMPS	NO. OF FANS	UNIT MCA	UNIT MOCP	UNIT VOLT	UNIT PHASE	CAPACITIES GROSS COOLING	SEER	HEATING HIGH	HEATING LOW	REMARKS	REFRIG.	UNIT NET WEIGHT
RTU-1	2000	419	0.50"	1.0	17.5	1	1.5	1	63	70	208	3	61,000	14.0	59,000	35,000	TRANE WSC060H3 5 TON SINGLE PACKAGED CONVERTIBLE HEAT PUMP WITH 9KW STRIPS GFI RECEPT	R410A	425 LBS.
RTU-2	4000	452	0.48"	2.75	34/12.3	2/ 2 STAGE	2.8	1	101	110	208	3	118,100	11.0	106,000	58,500	TRANE WSC120H3 10 TON SINGLE PACKAGED CONVERTIBLE HEAT PUMP WITH 13.5KW STRIPS GFI RECEPT	R410A	850 LBS.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	RECTANGULAR CEILING MOUNTED S/A DIFFUSER
	RECTANGULAR CEILING MOUNTED R/A OR EXHAUST GRILLE
	RUNNOUT TO DIFFUSER W/VOLUME DAMPER AND CONE EXTRACTOR
	90 DEG. ELBOW W/ TURINING VANES
---C---	CONDENSATE DRAIN PIPING
---R---	REFRIGERANT PIPING
T	HEATING AND COOLING THERMOSTAT. MOUNT 5'-0" A.F.F. AUTOMATIC CHANGEOVER.
S	SYSTEM EMERGENCY SHUT-OFF SWITCH (RED LABELED)
S_D	DUCT SMOKE DETECTOR - FURNISHED BY M.C., INSTALLED BY M.C., WIRED BY M.C.
S/A	SUPPLY AIR
R/A	RETURN AIR
O/A	OUTSIDE AIR
S/D	SPLITTER DAMPER
M.D.	MANUAL DAMPER WITH LOCKING QUADRANTS
B.D.D.	BACKDRAFT DAMPER
A.F.F.	ABOVE FINISHED FLOOR
P.C.	PLUMBING CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
	CEILING FIRE/RADIATION DAMPER
	VERTICAL FIRE DAMPER
	DUCTSMOKE DETECTOR

FAN SCHEDULE

MARK	LOCATION	SERVICE	CFM	S.P.	WATTS	RPM	VOLT	PHASE	DRIVE	REMARKS
EF1	CEILING	TOILETS	140	0.1"	128	1050	120	1	DIRECT	CEILING MOUNTED FAN. PROVIDE W/B.D.D. AND WALL CAP GREENHECK SP-B150 OR EQ. 8" FLEX TO ROOF/WALL CAP
EF2										

AIR BALANCE SCHEDULE

ID	TOTAL AIR	RECIRC. AIR	O/S AIR	EXH. CFM	MUA
RTU-1	2000	1581	419		
RTU-2	4000	3548	415		
HOOD EX.				3933	
HOOD SU.					3147
TOTALS			+834	-3933	+3147
BUILDING PRESSURIZATION +48 CFM					

LAY-IN DIFFUSER/RETURN SCHEDULE

MARK ON PLANS	CFM	AIR PATTERN	NECK SIZE	RUNOUT SIZE	REMARKS
A	50-125	4 WAY	6 X 6	6"	PRICE SERIES ASCD OFF WHITE, ALUM.,
B	150-275	4 WAY	8 X 8	8"	PRICE SERIES ASCD OFF WHITE, ALUM.,
C	280-400	4 WAY	10 X 10	10"	PRICE SERIES ASCD OFF WHITE, ALUM.,
D		N/A	12 X 12	SEE PLAN	PRICE SERIES 630 OFF WHITE, ALUM., RETURN
E		N/A	20 X 20	SEE PLAN	PRICE SERIES 630 OFF WHITE, ALUM., RETURN

Feb 11, 2025

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M-2