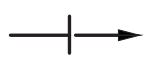
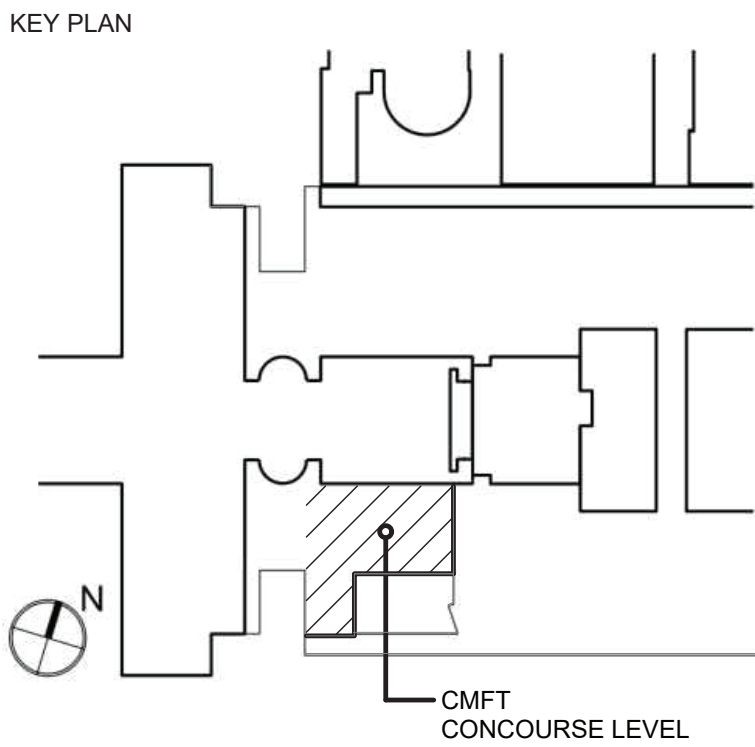


FAN COIL UNIT SCHEDULE																									
BASED ON TRANE OR APPROVED EQUAL.																									
UNIT TAG	SERVICE ROOM	MODEL NUMBER	FAN							COOLING WATER COIL										HEATING WATER COIL					REMARKS
			AIR VOLUME CFM	OUTSIDE AIR CFM	E.S.P. IN H2O	HP	ELECTRICAL SUPPLY VOLTS/PHASE/Hz	WATTS	AMPS	FAN SPEED RPM	TOTAL CAPACITY BTUH	SENSIBLE CAPACITY BTUH	ENTERING DB/WB °F	LEAVING DB/WB °F	NUMBER OF ROWS	ENTERING WATER °F	LEAVING WATER °F	FLOW RATE GPM	WATER P.D. FT/H2O	FLOW RATE GPM	WATER T-IN / T-OUT	HEATING BTUH	AIR FLOW CFM	AIR T-IN / T-OUT	
FCU-1	EAST SIDE	BCHED18	600	200	0.75	0.5	208/3/60	204	2.4	1496	22680	17300	81.7/67.6	55/54.23	-	45	50.24	8.65	10.72	2.7	180/160	27216	600	53/95	152.2
FCU-2	ORIENTATION	BCHED36	1200	400	0.75	1	208/3/60	665	4.6	1693	47300	36200	82.9/68.8	55/54.43	-	45	54.21	10.24	15.43	5.8	180/160	58320	1200	50/95	230.2
FCU-3	WEST-NORTH SIDE	BCHED36	1200	300	0.75	1	208/3/60	820	4.6	1771	40380	32600	79.20/65.30	54/53.33	-	45	53.32	9.78	14.22	4.5	180/160	45360	1200	60/95	230.2
FCU-4	WEST-SOUTH SIDE	BCHED36	1200	300	0.75	1	208/3/60	820	4.6	1771	40380	32600	79.20/65.30	54/53.33	-	45	53.32	9.78	14.22	4.4	180/160	43416	1200	61.50/95	230.2

ENERGY RECOVERY VENTILATION SCHEDULE																												BASED ON "GREEN CHECK" OR APPROVED EQUAL.									
UNIT NO.	MODEL NO.	LOCATION	DIMENSIONS (L X W X H) (INCH)	APPROX. WEIGHT (LB)	QTY.	FAN DATA										ENERGY RECOVERY DATA										ELECTRICAL DATA			FILTER DATA						REMARKS		
						SUPPLY-AIR AIRFLOW					EXHAUST-AIR AIRFLOW					SUMMER/COOLING					WINTER/HEATING								OUT DOOR AIR			ROOM AIR					
																OUTDOOR AIR		SUPPLY AIR		RETURN AIR			OUTDOOR AIR		FRESH AIR			ROOM AIR									
						FRESH AIR CFM	ESP	MOTOR HP	VFD	RPM	EXHAUST AIR CFM	ESP	MOTOR HP	VFD	RPM	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB	V-PH-HZ	MO(PA)	MCA	TYPE	SIZE (IN)	RATING	TYPE		SIZE (IN)	RATING
ERV-1	MIN/VENT - 750	EAST SIDE MECH ROOM	45.9 X 35.3 X 24.2	240	1	600	1	3/4	NO	1725	600	1	3/4	NO	1725	94	77.7	78.9	66.4	75.0	62.5	10	7.7	58.2	47.4	72.0	55.8	208-1-60	15	12.5	PLEATED 2",1-16X20	MERV-8	PLEATED 2",1-16X20	MERV-8	SEE NOTES 1		
ERV-2	MIN/VENT - 750	WEST SIDE	45.9 X 35.3 X 24.2	240	1	600	1	3/4	NO	1725	600	1	3/4	NO	1725	94	77.7	78.9	66.4	75.0	62.5	10	7.7	58.2	47.4	72.0	55.8	208-1-60	15	12.5	PLEATED 2",1-16X20	MERV-8	PLEATED 2",1-16X20	MERV-8	SEE NOTES 1		
NOTES:																																					
1. PROVIDE ERV UNIT WITH REMOTE ON/OFF CONTROLLER. CONTROLLER SHALL HAVE CAPABILITY TO RECEIVE ON/OFF SIGNAL FROM BAS SYSTEM.																																					
2. PROVIDE UNIT WITH INTEGRAL FROST CONTROL SYSTEM. UPON DETECTION OF THE FROST UNIT SHALL BE CAPABLE TO PERFORM THE FROST PROTECTION OPERATION.																																					

AIR OUTLETS AND INLETS										BASIS OF DESIGN: TITUS									
TYPE DESIGNATION	SERVICE	SPECIFICATION TYPE	MAX CFM	FACE SIZE (INCHES)	NECK SIZE (INCHES)	MODEL NUMBER	USE	NOISE CRITERIA AT MAX CFM	REMARKS										
	CEILING DIFFUSER	SD-1	0-200	24x24	6"Ø	TMSA	SEE PLANS	25	SEE NOTES 1, 2										
	CEILING DIFFUSER	SD-2	201-350	24x24	8"Ø	TMSA	SEE PLANS	28	SEE NOTES 1, 2										
	CEILING DIFFUSER	SD-3	900-1000	24X24	15"Ø	TMSA	SEE PLANS	31	SEE NOTES 1, 2										
	CEILING RETURN	RD-1	0-200	24X24	6"Ø	TMSA	SEE PLANS	25	SEE NOTES 1, 2										
	CEILING RETURN	RD-2	201-350	24X24	8"Ø	TMSA	SEE PLANS	28	SEE NOTES 1, 2										
	SUPPLY REGISTER	SG-1	0-114	6X6	-	300 RS	SEE PLANS	15	SEE NOTES 1,2,3										
	LINEAR SLOT DIFFUSER SUPPLY	SL-1	300-400	-	8"Ø	FL-15	SEE PLANS	16	SEE NOTES 1,2,3										
	CEILING RETURN	RD-3	1200	24X24	16"Ø	TMSA	SEE PLANS	28	SEE NOTES 1, 2										
	ROUND SUPPLY DIFFUSER	RSD-1	315-550	22Ø	12"Ø	TMRA	SEE PLANS	18	SEE NOTES 1,2,3										
	RETURN REGISTER	RG-1	149-745	-	24X10	350 R	SEE PLANS	14	SEE NOTES 1,2,3										
	EXHAUST REGISTER	EG-1	0-76	6X6	12X12	23 R	SEE PLANS	19	SEE NOTES 1,2,3										
NOTES:																			
1. ALL DIFFUSERS & REGISTERS; CONTRACTOR SHALL COORDINATE WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS TO ENSURE PROPER AIR DEVICE BORDER SELECTION .																			
2. COORDINATE COLOR/FINISH WITH ARCHITECT.																			
3. 3/4" SPACING, 35 DEGREE DEFLECTION.																			

SOUND ATTENUATOR SCHEDULE										BASIS OF DESIGN: VIBRO ACOUSTIC									
TAG	QUANTITY	SYSTEM	TYPE (NOTE 1)	AIR FLOW CFM	FACE VELOCITY FPM	IDEAL DP IN W.G (NOTE 3)	LENGTH	Octave Band - Hz/Dynamic Insertion Loss (dB)								MODEL NUMBER	REMARKS		
								63	125	250	500	1000	2000	4000	8000				
FCU-1 DISCHARGE	1	FAN COIL UNIT	RD	600	+738	0.09	36	5	8	14	18	20	17	13	10	RD-MLV-F3	-		
FCU-1 RETURN	1	FAN COIL UNIT	RD	600	-738	0.08	60	5	12	20	29	29	21	14	12	RD-MHV-F3	-		
FCU-2,3&4 DISCHARGE	3	FAN COIL UNIT	RD	1200	+949	0.08	48	4	8	14	18	19	15	13	10	RD-MV-F2	-		
FCU-2 RETURN	1	FAN COIL UNIT	RD	1200	-949	0.06	72	5	12	19	25	23	17	14	11	RD-MV-F2	-		
NOTES:																			
1. TYPE R - RECTANGULAR D - DISSIPATIVE																			
2. VELOCITY SHOWN IS + (FORWARD FLOW) OR - (REVERSE FLOW) AS DEFINED BY ASTM E477-20 .																			
3. IDEAL PRESSURE DROP AS DETERMINED PER ASTM E477-20 IN A NVLAP-ACCREDITED ACOUSTICAL LABORATORY .																			
4. PRESSURE DROP PER ASTM E477-20 PLUS SYSTEM EFFECTS FOR NEARBY DUCT ELEMENTS.																			



PROJECT TEAM:

Kliment Halsband Architects
- **A Perkins Eastman Studio**
115 Fifth Avenue, Third Floor, New York, NY 10003

LERA Consulting Structural Engineers
40 Wall Street, Floor 23, New York, New York 10005

A&J Consulting Engineering Services
164 Brighton Road, Clifton, NJ 07012

The Lighting Practice
115 Broadway, 5th Floor, New York, NY 10006

Shen Milsom & Wilke LLC
417 Fifth Avenue, New York, NY 10016

Trophy Point Construction Services
4588 South Park Avenue, Blasdell, NY 14219

PROJECT:

Renovations to Relocate Admissions for Rehab of Administration Bldg - Phase 1A
SUCF #291036-01

1906
SUNY Purchase College
Purchase, NY 10577

DRAWING TITLE:

HVAC SCHEDULES

SCALE:
As indicated

DATE:
12 JUNE 2023

DRAWING NO.:
M401.00

