

VAV AIR TERMINAL SCHEDULE																						
TAG	TYPE	TRANE MODEL NO.	INLET SIZE (INCHES)	DISCHARGE SIZE	COOLING AIRFLOW CFM MAX	COOLING AIRFLOW CFM MIN	FAN					ELECTRIC HEATING COIL							NOTES			
							FAN AIRFLOW (CFM)	FAN ESP	FAN ELEC	TYPE	FAN HP	MAX RAD. NC	A. P. D. AT MAX. COOLING	MBH	HEATING CFM	PRIMARY EAT DEG F	COIL EAT DEG F	UNIT LAT DEG F		ELEC	KW - SEE PLANS FOR ACTUAL	STAGES
FP-1	PARALLEL FAN POWERED	VPEF	6	12" X 12"	420	125	295	0.5	277	ECM	1/3	25	0.2"	11.94	280	55.0	66.9	104.4	277/1	3.5	SCR	1, 2.
FP-2	PARALLEL FAN POWERED	VPEF	8	16" X 12"	700	210	490	0.5	277	ECM	1/2	25	0.2"	13.65	420	55.0	66.9	92.7	277/1	4.0	SCR	1, 2.
FP-3	PARALLEL FAN POWERED	VPEF	10	16" X 12"	1,100	330	770	0.5	277	ECM	1	25	0.2"	23.88	770	55.0	66.9	95.6	277/1	7.0	SCR	1, 2.
FP-4	PARALLEL FAN POWERED	VPEF	12	16" X 12"	1,600	480	1,120	0.5	277	ECM	1	25	0.2"	34.12	1,120	55.0	66.9	95.1	480/3	10.0	SCR	1, 2.
VAV-A	SINGLE DUCT	VCCF	6	10" X 8"	300	90	---	---	---	---	---	25	0.2"	---	---	55.0	55.0	---	277/1	---	SCR	1, 2.
VAV-B	SINGLE DUCT	VCCF	8	11" X 10"	500	150	---	---	---	---	---	25	0.2"	---	---	55.0	55.0	---	277/1	---	SCR	1, 2.
VAV-C	SINGLE DUCT	VCCF	10	14" X 12"	1,000	300	---	---	---	---	---	25	0.2"	6.82	---	55.0	55.0	76.1	277/1	2.0	SCR	1, 2.
VAV-D	SINGLE DUCT	VCCF	12	17" X 14"	1,400	420	---	---	---	---	---	25	0.2"	8.53	---	55.0	55.0	73.8	277/1	2.5	SCR	1, 2.
VAV-E	SINGLE DUCT	VCCF	14	19" X 18"	2,000	600	---	---	---	---	---	25	0.2"	11.94	---	55.0	55.0	73.4	277/1	3.5	SCR	1, 2.
VAV-G	SINGLE DUCT	VCCF	5	10" X 8"	250	0	---	---	---	---	---	25	0.2"	---	---	55.0	55.0	---	---	---	SCR	1, 2.

- NOTES:
 1. PROVIDE LEFT HAND OR RIGHT HAND ARRANGEMENT AS PER FIELD CONDITIONS.
 2. NOMINAL DATA SHOWN. SEE TAGS ON PLANS FOR ACTUAL VALUES.
 3. EXISTING AIR TERMINAL UNITS ARE BEING REPLACED - ORIGINAL SCHEDULES ARE BELOW FOR REFERENCE:

PLAN LEGEND:	FP-2	< - TAG
	690	< - MAX CFM
	280	< - MIN CFM
	4.0	< - ELECTRIC HEAT KW

VARIABLE VOLUME BOX SCHEDULE											
UNIT NO.	CFM RANGE	INLET SIZE	DISCHARGE SIZE	MAX BOX SP. DROP	NC RATING	TYPE	UNIT MODEL	OVERALL SIZE L x W x H	REMARKS		
VAV-A	400	6"φ	8"φ	.08"	<20	100	SSD-SA-11-6	47" x 8" x 10"	PROVIDE INDEPENDENT FILTER		
VAV-B	600	8"φ	10"φ	.08"	<20		SSD-SA-11-8	47" x 10" x 10"			
VAV-C	1100	10"φ	14"φ	.11"	<20		SSD-SA-11-10	47" x 14" x 10"			
VAV-D	1800	12"φ	16"φ	.17"	21		SSD-SA-11-12	47" x 16" x 10"			
VAV-E	2900	14"φ	22"φ	.26"	26		SSD-SA-11-14	47" x 22" x 10"			
VAV-F	2800	16"φ	20"φ	.22"	29		SSD-SA-11-16	47" x 20" x 10"			
VAV-G	250	6"φ	8"φ	.04"	<20		SSD-SA-11-6	47" x 8" x 10"			

POWER ON BULB-TEST WITH 50002 MINILASER
 PROVIDE FACTORY INSTALLED DISCONNECT FOR VAV-G

VARIABLE VOLUME/FAN INDUCTION TERMINAL SCHEDULE											
UNIT NO.	PRIMARY CFM (MAX)	INLET SIZE	DISCHARGE SIZE	INDUCTION FAN CFM ESP	HP	V-B	BOX SIZE L x W x H	MODEL NO.	FAN SIZE	REMARKS	
FD-1	400	6"φ	8"φ	200	.41	1/6	271-124x24x14	VVF 5H 11 6	6A	PROVIDE INDEPENDENT FILTER	
FD-2	600	8"φ	10"φ	300	.84	1/4	271-124x28x14	VVF 5H 11 8	8		
FD-3	1100	10"φ	14"φ	550	1.63	1/2	271-124x32x14	VVF 5H 11 10	10A		
FD-4	1800	12"φ	16"φ	900	3.0	1/2	271-124x37x17	VVF 5H 11 12	12		
FD-5	2900	14"φ	20"φ	1450	5.5	1/2	271-124x41x17	VVF 5H 11 14	14		

POWER ON "ENVIRO-TEST"
 REE ELECTRIC HEATING, SEE ELECTRIC COIL SCHEDULE
 PROVIDE 1" FILTER FOR PLENUM INTAKE
 PROVIDE FACTORY INSTALLED DISCONNECT

REGISTERS - GRILLES - DIFFUSERS (RGD) SCHEDULE										
TAG	PRICE MODEL	TYPE	NECK SIZE	FACE SIZE	CFM MAX	MAX TOTAL P.D. (IN.W.C.)	MAX NC LEVEL	BORDER TYPE	BLOW	NOTES
S-1	SPD	SQUARE PLAQUE DIFFUSER	6" DIA	12" X 12"	110	0.09"	<15	SEE PLANS	4-WAY	1
S-2	SPD	SQUARE PLAQUE DIFFUSER	6" DIA	24" X 24"	110	0.03"	<15	SEE PLANS	4-WAY	1
S-3	SPD	SQUARE PLAQUE DIFFUSER	8" DIA	24" X 24"	240	0.06"	<15	SEE PLANS	4-WAY	1
S-4	SPD	SQUARE PLAQUE DIFFUSER	10" DIA	24" X 24"	400	0.09"	<15	SEE PLANS	4-WAY	1
S-5	LV1-DV	LINEAR VANE	24" X 8"	24-214" X 8-314"	270	0.03"	24	SEE PLANS	1-WAY	1, 2, 3
S-6	LV1-DV	LINEAR VANE	24" X 6.5"	24-214" X 7-114"	200	0.03"	24	SEE PLANS	1-WAY	1, 2, 3
R-1	530_530D	STEEL RETURN, 3/4" SPACING, 45 DEG VANES	8" X 8"	9.75" X 9.75"	110	0.05"	20	SEE PLANS	-----	1
R-2	530_530D	STEEL RETURN, 3/4" SPACING, 45 DEG VANES	12" X 12"	13.75" X 13.75"	360	0.05"	20	SEE PLANS	-----	1
R-3	530_530D	STEEL RETURN, 3/4" SPACING, 45 DEG VANES	22" X 10"	17.75" X 17.75"	600	0.05"	20	LAY-IN	-----	1
R-4	530_530D	STEEL RETURN, 3/4" SPACING, 45 DEG VANES	22" X 22"	23.75" X 23.75"	900	0.05"	20	LAY-IN	-----	1
R-5	530_530D	STEEL RETURN, 3/4" SPACING, 45 DEG VANES	46" X 22"	47.75" X 23.75"	2,000	0.02"	20	LAY-IN	-----	1

- NOTES:
 1. BORDER TYPE: COORDINATE WITH ARCHITECTURAL RCP AND EXISTING CONDITIONS
 2. PROVIDE DIRECTIONAL VANES
 3. PROVIDE A 24" X 8" INSULATED DUCT PLENUM WITH A 9" DIA DUCT RUNOUT.

FAN SCHEDULE														
TAG	MFR.	MODEL	TYPE	DRIVE	CFM	SP (IN. WC.)	ELECTRICAL			INLET DBA	MAX SONES	DAMPER	DUCT SIZE	EXHAUST GRILLE
							MOTOR WATTS	DISC. SWITCH FURN BY	VOLTS/PH					
EF-1	GREENHECK	SP-A410	CEILING W/GRILLE	DIRECT	300	0.2"	135	FAN MFR	120/1/60	40	2.5	NONE	10" X 8"	BUILT-IN
EF-2	GREENHECK	SP-A900	CEILING W/GRILLE	DIRECT	700	0.2"	285	FAN MFR	120/1/60	42	3.0	NONE	20" X 8"	BUILT-IN
EF-3	GREENHECK	CSP-A1750	CEILING INLINE	DIRECT	300	1"	256	FAN MFR	120/1/60	42	3.0	BDD	SEE PLANS	-----

PROVIDE:
 WALL SPEED SWITCH, EXACT LOCATION CONFIRM WITH ARCHITECT.
 FLEX CONNECTOR AND LINED DUCT DOWNSTREAM OF THE FAN. DUCT SIZE INDICATED IN SCHEDULE ABOVE

SPLIT A/C UNIT SCHEDULE	
UNIT	AC-1
SERVES	MDF + SERVER
COOLING MBH (RANGE)	12.0 - 24.0
REFRIGERANT	R410a
INDOOR UNIT:	WALL MOUNT
MITSUBISHI MODEL NO.	PKA-A24KA6
WEIGHT, LBS.	46
BLOWER MOTOR (ECM) F.L.A.	0.36
MCA	1
CFM LOW (WET)	570
CFM HIGH (WET)	700
VOLTAGE/PHASE	208/1
SEER	17
DIMENSIONS (H x W x D)	15 x 46 x 12
OUTDOOR COND. UNIT:	CU-AC-1
MITSUBISHI MODEL NO.	PUY-A24NHA6
WEIGHT, LBS.	163
LIQUID LINE SIZE	3/8"
HOT GAS LINE SIZE	5/8"
VOLTAGE/PHASE	208/1
MCA	18.0
MOCP	30.0
DIMENSIONS (H x W x D)	37 x 38 x 15

- NOTES:
 1. POWER AND CONTROL WIRING CABLE PROVIDED BY DIV 23 AND INSTALLED BY DIV 26

PLUMBING FIXTURE SCHEDULE						
TAG	DESCRIPTION	BRANCH SIZES			NOTES	
		CW	HW	VENT		
P-1A	WATER CLOSET-FLUSH VALVE, WALL MOUNT, ADA COMP.	1"	----	1-1/2"	3"	
P-1B	WATER CLOSET-FLUSH VALVE, WALL MOUNT	1"	----	1-1/2"	3"	
P-1C	WATER CLOSET-FLUSH VALVE, FLOOR MOUNT	1"	----	1-1/2"	3"	
P-2A	URINAL, ADA COMPLIANT	3/4"	----	1-1/2"	2"	
P-2B	URINAL	3/4"	----	1-1/2"	2"	
P-3	LAVATORY	3/8"	3/8"	1-1/2"	1-1/2"	
P-4	STAINLESS STEEL SINK, ADA COMPLIANT	1/2"	1/2"	1-1/2"	1-1/2"	
P-5	MOP SERVICE BASIN	1/2"	1/2"	1-1/2"	3"	

ELECTRIC DHW HEATER SCHEDULE						
TAG	STATUS	MANUFACTURER	MODEL	VOLTS	HEAT INPUT (KW)	WATER STORAGE (GAL)
(E)	EXIST TO REMAIN	BRADFORD WHITE	M250S6DS5	240	4.5	50

- NOTES:
 RETROFIT A TEMPERATURE MAINTENANCE RECIRCULATION LOOP TO THE EXIST. WATER HEATER

PUMP SCHEDULE										
TAG	SERVES	MAKE & MODEL	TYPE	GPM	HEAD	DISCHARGE	ELECTRICAL			
							MOTOR HP	VOLTS/PH (60 Hz.)		
RCP-1	DHW RECIRC	TACO IL 009-SF	IN LINE	4	22	3/4" X 3/4"	1/8	115/1		

- NOTES:
 PROVIDE A TEMPERATURE MAINTENANCE RECIRC LOOP FOR THE EXIST WATER HEATER.
 PUMP SHALL BE NO-LEAD, NSF CERTIFIED