PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	DESCRIPTION	SAN	VENT	CW	HW	GAS
P1	ADA FLOOR-MOUNTED FLUSH VALVE WATER CLOSET	3"	2"	1"	-	
P2	WALL-MOUNT LAVATORY	2"	1-1/2"	1/2"	1/2"	
P3	ADA URINAL	2"	1-1/2"	¾"	-	
P4	LAUNDRY HOOK-UP	3"	2"	1/2"	1/2"	
-	-	-	-	-	-	
3"FD	3" FLOOR DRAIN w/ TRAP PRIMER CONNECTION	3"	2"	1/2"	-	
ETP	ELECTRONIC TRAP PRIMER (ETP)	-	-	1/2"	-	
I.W.	INDIRECT WASTE RECEPTOR	3"	2"		-	

MINIMUM SIZE OF BELOW SLAB SANITARY & VENT PIPING SHALL BE 2".

General Mechanical Notes

1. Exposed supply ductwork shall be double-wall, spiral seam, solid liner, 1" fiberglass insulation and Paint-Grip galvanizing for field painting. Exposed return air ductwork shall be spiral seam with Paint-Grip galvanizing for field painting.
2. Ductwork downstream of Variable Air Volume Boxes shall have ½" thick duct liner, Armaflex SA, or equal.
3. Provide combination fire / smoke dampers (FD / SD) at all locations where the ducts penetrate the shaft wall enclosures for ducts that penetrate two (2) or more floors. For ducts that only penetrate one (1) floor, fire dampers are required.
4. Concealed supply ductwork shall be insulated with 2" thick fiberglass ducturap w/ FSK.
5. Domestic hot and cold water piping shall be insulated with 1" thick fiberglass pipe insulation.
6. Coordinate exposed ductwork with the lighting plan.
7. 90 degree duct elbows shall be mitered with single thickness turning vanes or radiused with a 6 radius equal to 1.5 times the duct width.
8. Sanitary piping from the kitchen equipment to the grease trap shall be service weight cast-iron.
9. Coordinate Kitchen Equipment rough-in requirements with the Kitchen / Food Service Drawings and Shop Drawings. Provide traps, stops, floor sinks, vents, strainers, etc. as required. Assist in the start-up of the gas appliances including gas pilots.

FAN / LIGHT PERFORMANCE SCHEDULE

TAG	AIRFLOW (CFM)	T.S.P (IN.W.G.)	NOISE (SONES)	RPM	DRIVE	ELECTRICAL REQUIREMENTS					BASIS OF DESIGN = PANASONIC "WhisperGreen Select"		
						HP	BHP	WATTS	AMPS	V/PH/HZ	SERVICE	ARRANGEMENT	MODEL
EF-T	20/80	0.25	0.4	-	DIRECT	-	-	11.0	0.2	120/1/60	TOILETS / JANITOR / ELECTRICAL	CEILING	FV-05-11VKL1
-	-	-	-		-	-	-	-	-	-	-	-	-

Notes EF-T shall come with motion sensors and be multi-speed with time delay and multi-speed plug n' play modules. See Plans for quantities.

Notes Furnish each fan-light unit with gravity operated backdraft damper and two (2) 7W. LED lamps.

TEMPERATURE MIXING VALVE PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	INLET CONNECTION (INCHES)	OUTLET CONNECTION (INCHES)	W.P.D (PSIG)	SET POINT (DEGREES F)	PROVIDE SPARE CARTRIDGE (Y) OR (N)	BASIS OF DESIGN LEONARD "Eco-Mix"		
							SERVICE	ARRANGEMENT	MODEL
TMV	20	¾	¾	10	115	N	DOMESTIC HW	INLINE	LV-981A-LF-BDT
-	-	-	-	-	-	-	-	-	-

AIR DEVICE PERFORMANCE SCHEDULE

TAG	PANEL SIZE(IN)	NECK SIZE(IN)	AIRFLOW (MAX. CFM)	SPLOSS (IN.W.G.)	THROW(L)	THROW(S)	Nc	BASIS OF DESIGN (F) FANTECH, PRICE		
								DUCT CONN.(IN)	PATTERN	MODEL
A	24x24	6x6	150	0.05	-	-	25	SEE DWGS	SEE DWGS	AMX-3AL
B	24x24	9x9	350	0.05	-	-	30	SEE DWGS	SEE DWGS	AMX-3AL
C	24x24	12x12	500	0.05	-	-	30	SEE DWGS	SEE DWGS	AMX-3AL
D	24x24	15x15	700	0.05	-	-	30	SEE DWGS	SEE DWGS	AMX-3AL
F	-	12x6	250	0.05	-	-	25	SEE DWGS	5? DN.	RCG / C / DVAL / B12
H	-	18x12	500	0.05	-	-	25	SEE DWGS	5? DN.	RCG / C / DVAL / B12
I	-	8"ø	220	0.05	-	-	18	SEE DWGS	ADJUSTABLE	(F) RHV
AA	-	8x8	100	0.05	-	-	30	SEE DWGS	1/2", 45^	60DAL
BB	-	12x12	400	0.05	-	-	30	SEE DWGS	1/2", 45^	60DAL
CC	-	16x16	600	0.05	-	-	30	SEE DWGS	1/2", 45^	60DAL
DD	-	22x22	1200	0.05	-	-	30	SEE DWGS	1/2", 45^	60DAL
EE	-	22x42	3000	0.05	-	-	25	SEE DWGS	1/2", 45^	98
FF	-	24x16	1000	0.05	-	-	25	SEE DWGS	1/2", 45^	98

TEMPERATURE MIXING VALVE PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	INLET CONNECTION (INCHES)	OUTLET CONNECTION (INCHES)	W.P.D (PSIG)	SET POINT (DEGREES F)	PROVIDE SPARE CARTRIDGE (Y) OR (N)	BASIS OF DESIGN Leonard "Eco-Mix"		
							SERVICE	ARRANGEMENT	MODEL
TMV	25	1"	1¼"	6	120	-	DOMESTIC HW	INLINE	LV-982-LF-BDT
-	-	-	-	-	-	-	-	-	-

PUMP PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	HEAD (FT.W.G.)	IMPEL. SIZE	RPM	EFF. %	ELECTRICAL REQUIREMENTS					BASIS OF DESIGN TACO		
						HP	BHP	VFD	AMPS	V/PH/HZ	SERVICE	ARRANGEMENT	MODEL
CPI*	4	6	-	3250	-	.029	-	-	1.2	120/1/60	DOMESTIC RHW	IN-LINE	005-SF3

* - ALL BRONZE OR STAINLESS STEEL CONSTRUCTION.

WATER HEATER PERFORMANCE SCHEDULE

TAG	STORAGE (GALS)	INPUT (MBH)	RECVRY. @ 100°F (GPH)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN A.O Smith "Cyclone Mxi"		
				HP	AMPS	V/PH/HZ	SERVICE	FUEL	MODEL
GWH-1	100	250.0	291	1/3	5.0	120/1/60	DOM HW	N.G.	BTH-250(A)

Notes

1. ASME Code construction. Provide concentric wall vent kits and acid neutralization kits.

STATE OF MAINE STEPHEN M. DUDEK No. 13607 LICENSED PROFESSIONAL ENGINEER

Date: 07/20/17

Prepared For: Archetype

Union Wharf
Portland, ME 04101

Consultant: BENNETT ENGINEERING MECHANICAL • ELECTRICAL (207) 865-9475

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Project: 16 MIDDLE STREET OFFICE BUILDING
MIDDLE STREET
PORTLAND, MAINE

Revisions:

Scale: 1/8"=1'-0" U.N.O.

Date: 13 APR 2017

BenKay Restaurant
PLUMBING 1st FLOOR PLAN

M1.01