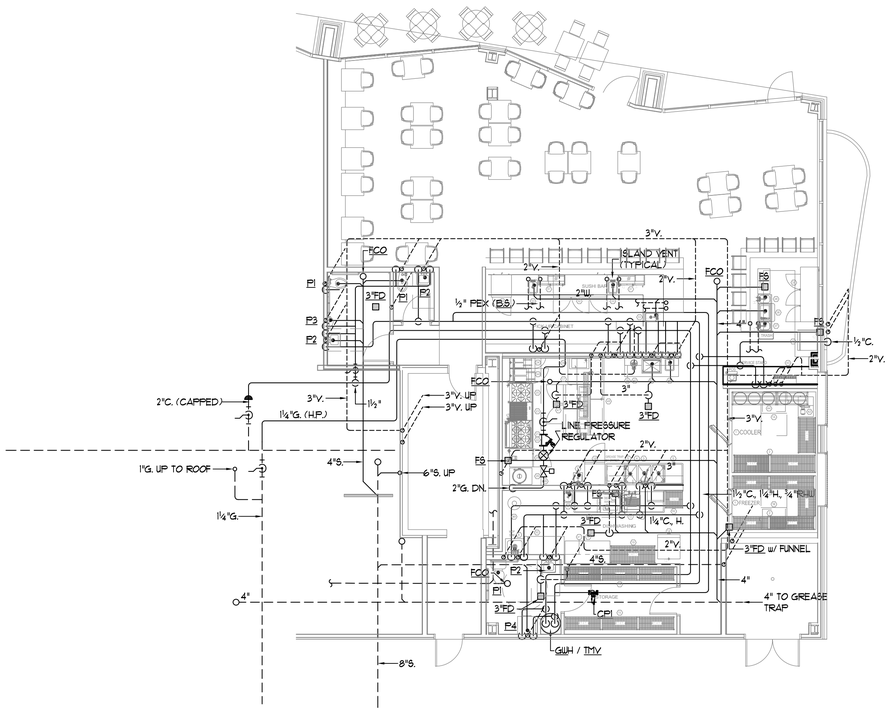
## PLUMBING FIXTURE CONNECTION SCHEDULE

| 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" | 3/4" | - | |
| 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".




## 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.

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 ductwrap 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 ¾ 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) | SP.LOSS (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 |
| | | | | | | | | | | | | | |
| CP1* | 4 | 6 | - | 3250 | - | .029 | - | - | 1.2 | 120/1/60 | DOMESTIC RHW | IN-LINE | 005-SF3 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

* - ALL BRONZE OR STAINLESS STEEL CONSTRUCTION.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Project: 16 MIDDLE STREET OFFICE BUILDING
MIDDLE STREET
PORTLAND, MAINE

Revisions:

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

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BenKay Restaurant
PLUMBING 1st FLOOR PLAN

M1.01