

| MAKE-UP AIR HANDLER PERFORMANCE SCHEDULE w/ PACKAGED COOLING | | | | | | | | | | | | | BASIS OF DESIGN GREENHECK | | SOUND POWER (dB RE 10 ⁻¹² WATTS) OCTAVE BAND 4 CENTER FREQUENCY (HZ) | | | | | | | | | | |
|--|---------------|--------------|--------|---------------|---------------|------|----------------------|-----|-------------------------|-----|-------|-----|---------------------------|-----------------|--|--------|------------|----|-----|-----|-----|------|------|------|------|
| TAG | AIRFLOW (CFM) | MIN.OA (CFM) | FAN | T.S.P (IN.WG) | E.S.P (IN.WG) | FUEL | HEATING OUTPUT (MBH) | RPM | ELECTRICAL REQUIREMENTS | | | | | WEIGHT (POUNDS) | SERVICE | MODEL | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| | | | | | | | | | HP | BHP | MCA | VFD | MOCP | | | | VOLTAGE | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| MUA-1,2 | 6500 | 6500 | SUPPLY | 1.44 | 0.1 | NG. | 480.0 | 165 | 5.0 | 3.2 | 100.2 | Y | 125 | 208/3/60 | 3954 | KH-1,2 | IGX-1B-H32 | 86 | 85 | 80 | 79 | 74 | 73 | 68 | 59 |

| TEMPERATURE MIXING VALVE PERFORMANCE SCHEDULE | | | | | | | | | | BASIS OF DESIGN - LEONARD | | |
|---|-----------------|---------------------------|----------------------------|------------|-----------------------|------------------------------------|---------------------------|-------------|---------------|---------------------------|--|--|
| TAG | FLOW RATE (GPM) | INLET CONNECTION (INCHES) | OUTLET CONNECTION (INCHES) | WPD (PSIG) | SET POINT (DEGREES F) | PROVIDE SPARE CARTRIDGE (Y) OR (N) | BASIS OF DESIGN - LEONARD | | | | | |
| | | | | | | | SERVICE | ARRANGEMENT | MODEL | | | |
| TMV-1 | 40.0 | 1 | 1/4" | 10.0 | 120°F | - | DOM HU | WALL | TM-186-820-LF | | | |

| DX COOLING COIL PERFORMANCE SCHEDULE | | | | | | | | | | | |
|--------------------------------------|---------------------|---------------------|----------------|---------------------|---------------|--------------|------------|-------------|-------------|-------------|---------|
| TAG | TOTAL COOLING (MBH) | SENS. COOLING (MBH) | S.S.T. (DEG.F) | TYPE OF REFRIGERANT | AIRFLOW (CFM) | APD (IN. WG) | ROUS / FFF | EAT. D.B./F | EAT. W.B./F | LAT. D.B./F | SERVICE |
| | | | | | | | | | | | |
| CCI-2 | 199.7 | 110.5 | 45 | R-410A | 6500 | - | 2 / 120 | 80 | 67 | 58.3 | MUA-1,2 |
| - | - | - | - | R-410A | - | - | - | 80 | 67 | - | - |

| GAS WATER HEATER PERFORMANCE SCHEDULE | | | | | | | | | | |
|---------------------------------------|----------------|-------------|------------------------|-------------------------|-------|----------|--------------------------|------|--------|------------|
| TAG | STORAGE (GALS) | INPUT (MBH) | REC.VRY. @ 100°F (GPH) | ELECTRICAL REQUIREMENTS | | | BASIS OF DESIGN AO Smith | | | |
| | | | | HP | WATTS | V/PH/Hz | SERVICE | FUEL | MODEL | DIMENSIONS |
| GWH | 130 | 500 | 576 | - | - | 120/1/60 | DOM HU | NG. | BTX500 | - |
| - | - | - | - | - | - | - | - | - | - | - |

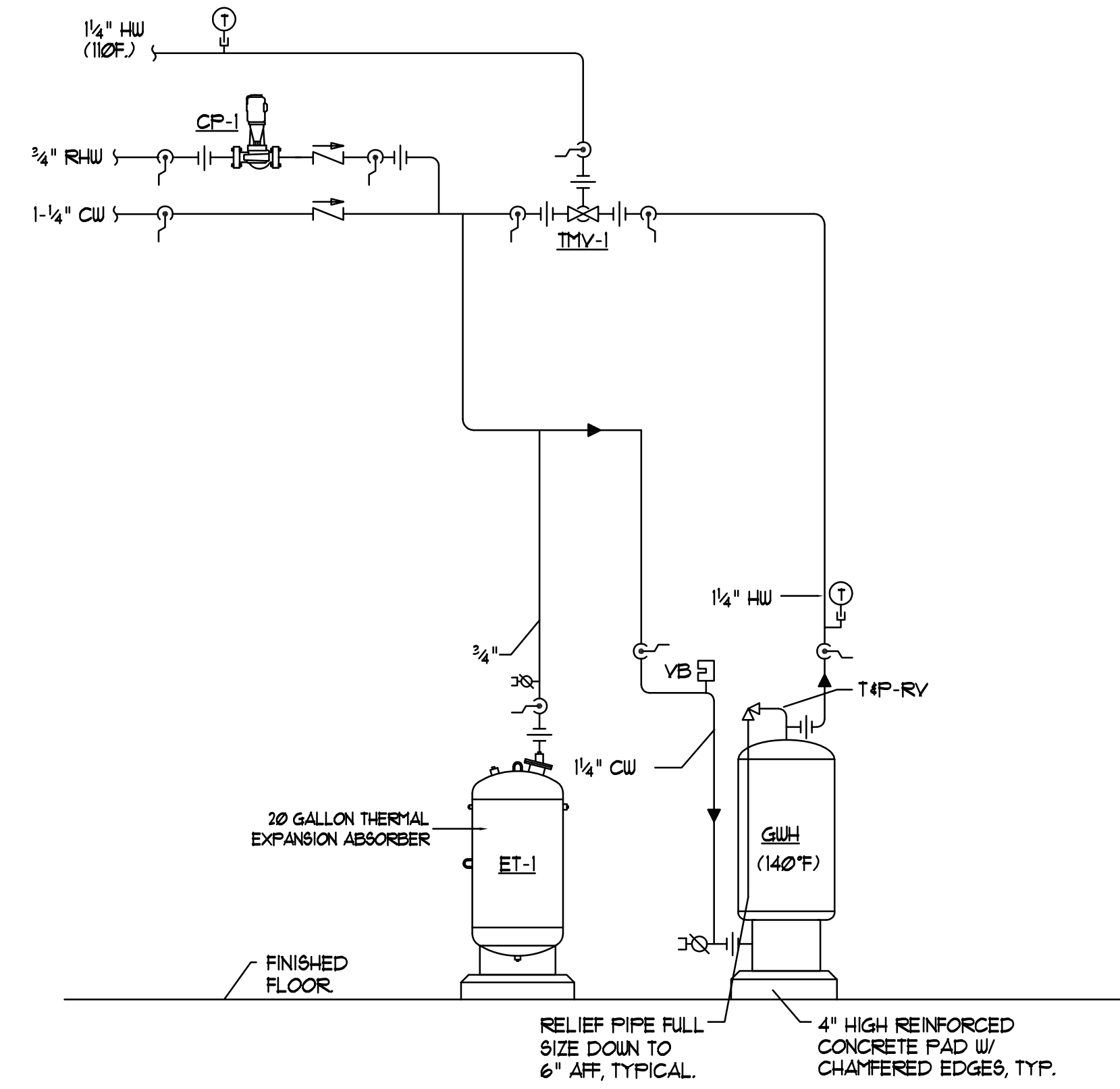
Notes
1. Cooling performance based on 95°F. outside ambient.
2. Basis of design is Greenheck.

| FAN PERFORMANCE SCHEDULE | | | | | | | | | | | | | BASIS OF DESIGN (G) GREENHECK, (P) PANASONIC | |
|--------------------------|---------------|---------------|---------------|------|-------|-------------------------|-----|-----|------|----------|-------------|---------|--|-----------------|
| TAG | AIRFLOW (CFM) | T.S.P (IN.WG) | NOISE (SONES) | RPM | DRIVE | ELECTRICAL REQUIREMENTS | | | | | WEIGHT (LB) | SERVICE | ARRANGEMENT | MODEL |
| | | | | | | HP | BHP | VFD | AMPS | V/PH/Hz | | | | |
| EF-T | 150 | 0.1 | - | - | - | - | - | - | - | 120/1/60 | - | - | CEILING | (P) FV-15VQ4 |
| EF-T1 | 80 | 0.1 | - | - | - | - | - | - | - | 120/1/60 | - | - | CEILING | (P) FV-08VQ3 |
| EF-1 | 2900 | 2.0 | 18.4 | 1424 | BELT | 2.0 | 1.7 | - | 7.5 | 208/3/60 | 164 | - | UPBLAST | (G) CUBE-180-20 |
| EF-2 | 4750 | 1.25 | 19.7 | 1194 | BELT | 3.0 | 2.1 | - | 10.6 | 120/1/60 | 185 | - | UPBLAST | (G) CUBE-200-30 |
| EF-3 | 6000 | 1.0 | 17.7 | 900 | BELT | 3.0 | 2.0 | - | 10.6 | 120/1/60 | 212 | - | UPBLAST | (G) CUBE-240-30 |

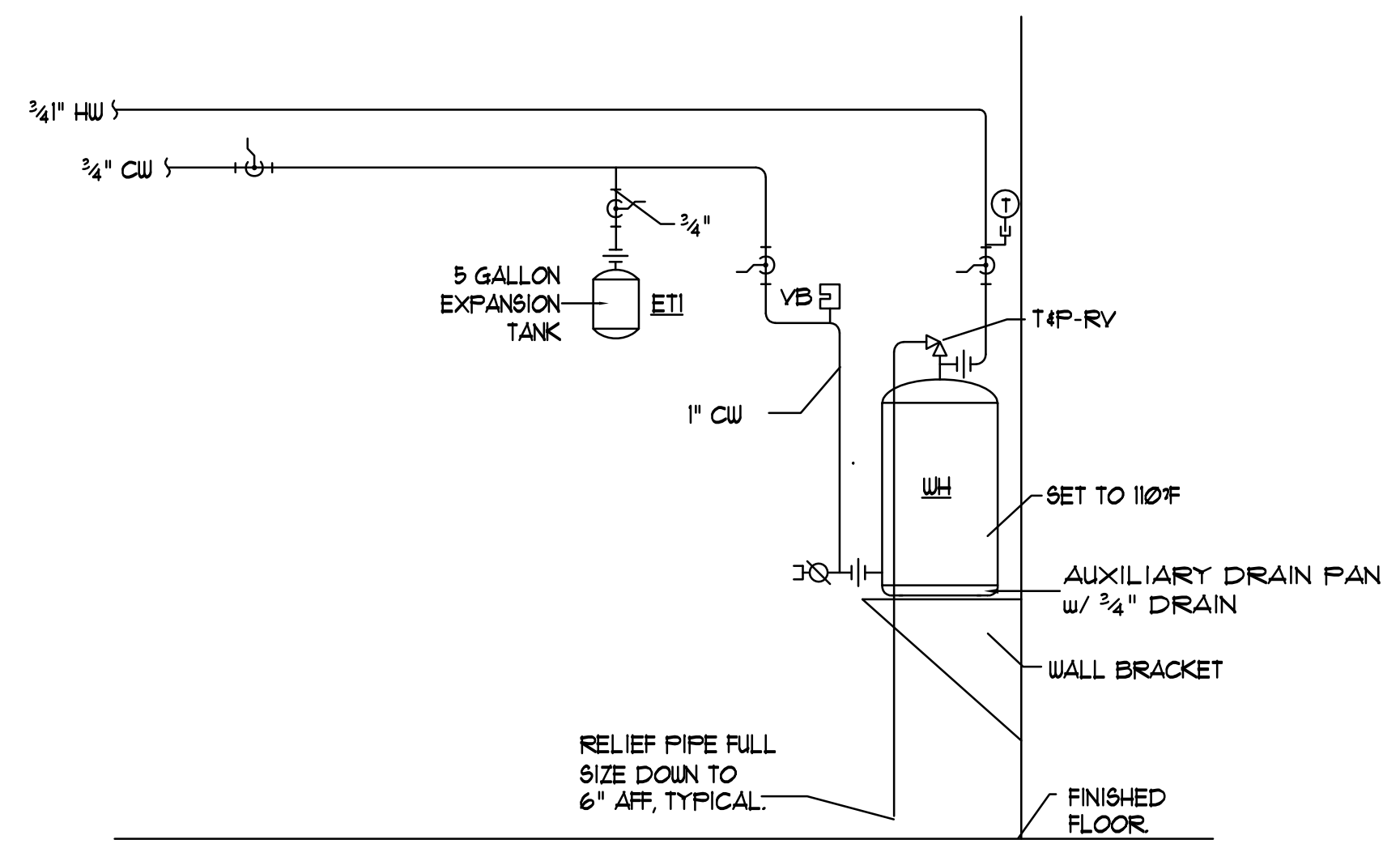
Note: Verify quantities. EF-T shall be "WhisperCeiling" series and with a motion detector.

| PUMP PERFORMANCE SCHEDULE | | | | | | | | | | | | | |
|---------------------------|-----------------|--------------|-------------|------|-------|-------------------------|-----|-----|------|----------|----------------------|-------------|---------|
| TAG | FLOW RATE (GPM) | HEAD (FT.WG) | IMPEL. SIZE | RPM | EFF % | ELECTRICAL REQUIREMENTS | | | | | BASIS OF DESIGN TACO | | |
| | | | | | | HP | BHP | VFD | AMPS | V/PH/Hz | SERVICE | ARRANGEMENT | MODEL |
| CP1 | 6.0 | 8.0 | - | 3450 | - | 1/25 | - | - | 0.76 | 120/1/60 | RHU | INLINE | 00T-9F5 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Note: Pumps shall be stainless steel construction.



DOMESTIC HOT WATER PIPING SCHEMATIC
NT5

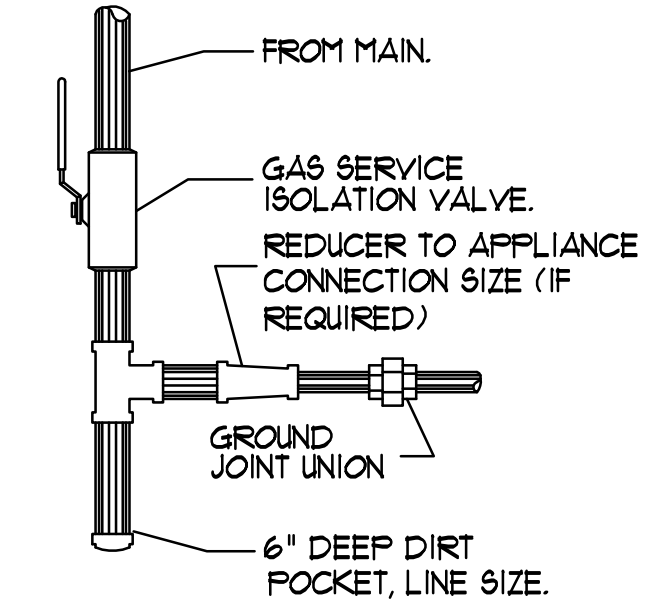


DOMESTIC HOT WATER PIPING SCHEMATIC
NT5

| ELECTRIC WATER HEATER PERFORMANCE SCHEDULE | | | | | | | | | | |
|--|----------------|------------|------------------------|-------------------------|-------|----------|--------------------------|----------|--------|--------------|
| TAG | STORAGE (GALS) | INPUT (KW) | REC.VRY. @ 100°F (GPH) | ELECTRICAL REQUIREMENTS | | | BASIS OF DESIGN AO Smith | | | |
| | | | | HP | WATTS | V/PH/Hz | SERVICE | FUEL | MODEL | DIMENSIONS |
| WH | 10 | 1.65 | 6.7 | - | - | 208/1/60 | DOM HU | ELECTRIC | EJC-10 | 18"H. x 16"φ |
| - | - | - | - | - | - | - | - | - | - | - |

| AIR DEVICE PERFORMANCE SCHEDULE | | | | | | | | | | | | |
|---------------------------------|-----------|----------------|---------------|----------------|----------|----------|----|-----------------------|-----------|---------|--|--|
| TAG | DUCT SIZE | NECK SIZE (IN) | AIRFLOW (CFM) | SPLOSS (IN.WG) | THROW(L) | THROW(S) | Nc | BASIS OF DESIGN PRICE | | | | |
| | | | | | | | | DUCT CONN.(IN) | PATTERN | MODEL | | |
| (A) | 6"x6" | 6x6 | 150 | 0.05 | - | - | 25 | SEE DIAGS | SEE DIAGS | AMX-3AL | | |
| (B) | 9"x9" | 9x9 | 350 | 0.05 | - | - | 25 | SEE DIAGS | SEE DIAGS | AMX-3AL | | |
| (C) | 12"x12" | 12x12 | 500 | 0.05 | - | - | 25 | SEE DIAGS | SEE DIAGS | AMX-3AL | | |
| (D) | 15"x15" | 15x15 | 700 | 0.05 | - | - | 25 | SEE DIAGS | SEE DIAGS | AMX-3AL | | |
| (E) | - | 10x6 | 200 | 0.05 | - | - | 21 | - | - | RCG | | |
| (G) | - | 24x12 | 1000 | 0.05 | - | - | 21 | - | - | RCG | | |
| (AA) | 8"x8" | 8x8 | 100 | 0.05 | - | - | 30 | SEE DIAGS | 1/2", 45° | 60DAL | | |
| (BB) | 12"x12" | 12x12 | 400 | 0.05 | - | - | 30 | SEE DIAGS | 1/2", 45° | 60DAL | | |
| (CC) | 16"x16" | 16x16 | 600 | 0.05 | - | - | 30 | SEE DIAGS | 1/2", 45° | 60DAL | | |
| (DD) | 22"x22" | 22x22 | 1000 | 0.05 | - | - | 30 | SEE DIAGS | 1/2", 45° | 60DAL | | |

Note: Airflows indicated are maximums. See Drawings for actual airflows.



NOTE: APPLIANCES WITH REGULATORS LOCATE PIPING SHOWN HEREIN UPSTREAM OF THE APPLIANCE REGULATOR. PROVIDE A TEST PLUG DOWNSTREAM OF THE APPLIANCE REGULATOR.

| PLUMBING FIXTURE CONNECTION SCHEDULE | | | | | | |
|--------------------------------------|--|--------|--------|------|------|-----|
| TAG | DESCRIPTION | SAN | VENT | CW | HW | GAS |
| P1 | 17" ADA FLOOR-MOUNTED F.V. WC | 3" | 2" | 1" | - | - |
| PIA | SANIFLO TOILET w/ PUMP | 3" | 2" | 1/2" | - | - |
| P2 | ADA COUNTERTOP LAVATORY | 1 1/2" | 1 1/4" | 1/2" | 1/2" | - |
| P2A | ADA WALL-MOUNTED LAVATORY | 1 1/2" | 1 1/4" | 1/2" | 1/2" | - |
| P3 | URINAL | 2" | 1 1/2" | 3/4" | - | - |
| FFHB | FREEZE PROOF HOSE BIBB (EXTERIOR) | - | - | 3/4" | - | - |
| 2"FD | 2" FLOOR DRAIN w/ TRAP PRIMER CONNECTION | 2" | 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 | 3" | 2" | 1/2" | ** | - |
| HB | HOSE BIBB | - | - | 3/4" | - | - |
| FS | FLOOR SINK | 3" | 2" | - | - | - |
| 2" FS | FLOOR SINK | 2" | 1 1/2" | - | - | - |

MINIMUM SIZE OF BELOW SLAB SANITARY & VENT PIPING SHALL BE 2".
** - FROM TRAP PRIMER
Note - Fixtures tagged with a (T) shall have trap primers connected to nearby floor drains.

Prepared for: MAINE WHARF LLC
72 COMMERCIAL STREET
PORTLAND, ME 04101

Consulting Engineer: BENNETT ENGINEERING MECHANICAL - ELECTRICAL (207) 865-9495

Architect: ARCHETYPE architects
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Project: MAINE WHARF
68 COMMERCIAL STREET
PORTLAND, MAINE

Revisions:

Scale: 1/8" = 1'-0" or As Noted

Date:

First Floor Tenant Fit-Up Mechanical Schedules and Details

M.6