

### AIR DEVICE PERFORMANCE SCHEDULE

| TAG | PANEL SIZE (IN) | NECK SIZE (IN) | AIRFLOW (CFM) | SP LOSS (INWG) | THROW (L) | THROW (S) | Nc | BASIS OF DESIGN = PRICE |             |       |
|-----|-----------------|----------------|---------------|----------------|-----------|-----------|----|-------------------------|-------------|-------|
|     |                 |                |               |                |           |           |    | DUCT CONN (IN)          | PATTERN     | MODEL |
| A   | 6x6             | 6x6            | 130           | 0.05           | -         | -         | 20 | SEE DWGS                | 3/4", Ø, DD | 520D  |
| B   | 12x12           | 9x9            | 135           | 0.05           | -         | -         | 20 | SEE DWGS                | SEE DWGS    | 9FD   |
| C   | 24x24           | 9x9            | 150           | 0.05           | -         | -         | 18 | SEE DWGS                | SEE DWGS    | 9FD   |
| D   | 30x6            | 30x6           | 300           | 0.05           | -         | -         | 20 | SEE DWGS                | SEE DWGS    | LBP   |
| E   | 24x24           | 12x12          | 400           | 0.05           | -         | -         | 18 | SEE DWGS                | SEE DWGS    | 9FD   |
| AA  | 6x6             | 6x6            | 130           | 0.05           | -         | -         | 30 | SEE DWGS                | 3/4", 45°   | 530D  |
| BB  | 12x12           | 12x12          | 225           | 0.05           | -         | -         | 15 | SEE DWGS                | 3/4", 45°   | 530D  |
| CC  | 18x6            | 18x6           | 135           | 0.05           | -         | -         | 15 | SEE DWGS                | 3/4", 45°   | LBP   |
| DD  | 24x24           | 18x18          | 350           | 0.05           | -         | -         | 15 | SEE DWGS                | 3/4", 45°   | 530D  |

PROVIDE ALL AIR DEVICES WITH OPPOSED BLADE DAMPERS.

### PLUMBING FIXTURE CONNECTION SCHEDULE

| TAG  | DESCRIPTION                     | SAN    | VENT   | CW   | HW   |
|------|---------------------------------|--------|--------|------|------|
| P-1  | ADA FLOOR MOUNTED TT WC         | 3"     | 2"     | 1/2" | -    |
| P-2  | ADA WALL HUNG LAVATORY          | 2"     | 1-1/2" | 1/2" | 1/2" |
| P-2A | 42" VANITY TOP LAVATORY         | 2"     | 1-1/2" | 1/2" | 1/2" |
| P-2B | 43" VANITY TOP LAVATORY         | 2"     | 1-1/2" | 1/2" | 1/2" |
| P-2C | 51" VANITY TOP LAVATORY         | 2"     | 1-1/2" | 1/2" | 1/2" |
| P-3  | TUB/SHOWER                      | 2"     | 1-1/2" | 1/2" | 1/2" |
| P-3A | ADA TUB/SHOWER                  | 2"     | 1-1/2" | 1/2" | 1/2" |
| P-3B | STALL SHOWER                    | 2"     | 1-1/2" | 1/2" | 1/2" |
| P-3C | ADA STALL SHOWER                | 2"     | 1-1/2" | 1/2" | 1/2" |
| P-4  | ADA SINGLE BOWL SS KITCHEN SINK | 1-1/2" | 1-1/2" | 1/2" | 1/2" |
| P-4A | ADA SINGLE BOWL SS KITCHEN SINK | 1-1/2" | 1-1/2" | 1/2" | 1/2" |
| P-4B | ADA SINGLE BOWL SS KITCHEN SINK | 1-1/2" | 1-1/2" | 1/2" | 1/2" |
| P-5  | WASHING MACHINE HOOK-UP         | 2"     | 1-1/2" | 1/2" | CAP  |
| P-6  | MOP BASIN                       | 3"     | 2"     | 3/4" | 3/4" |
| P-7  | ICE MAKER HOOK-UP               | -      | -      | 1/2" | -    |
| HB   | HOSE BIBB (INTERIOR)            | -      | -      | 3/4" | -    |
| FFHB | FREEZE PROOF HOSE BIBB          | -      | -      | 3/4" | -    |
| YH   | YARD HYDRANT (FREEZE PROOF)     | -      | -      | 3/4" | -    |
| FD   | FLOOR DRAIN (W/ TRAP PRIMER)    | 3"     | 2"     | 1/2" | -    |
| FD-R | FLOOR DRAIN (ROOFTOP)           | 3"     | 2"     | -    | -    |

MINIMUM SIZE OF BELOW SLAB SANITARY & VENT PIPING SHALL BE 2". ALL FLOOR DRAINS SHALL BE CONNECTED TO TRAP PRIMER.

### AIR SEPARATOR PERFORMANCE SCHEDULE

| TAG  | FLOW RATE (GPM) | W/P.D (PSI) | CV FACTOR | STRAINER (Y) OR (N) | MAX. WORK'G. TEMPERATURE (DEGREES F) | MAX. WORK'G. PRESSURE (PSI) | BASIS OF DESIGN = TACO |                |        |
|------|-----------------|-------------|-----------|---------------------|--------------------------------------|-----------------------------|------------------------|----------------|--------|
|      |                 |             |           |                     |                                      |                             | SERVICE                | PIPE SIZE (IN) | MODEL  |
| AS-1 | 800             | 0.6         | -         | N                   | 210                                  | 125                         | HWS/R                  | 3"             | 4903AD |

### LOUVER PERFORMANCE SCHEDULE

| TAG  | AIR FLOW (CFM) | SP LOSS (INWG) | AIR VEL (FFM) | SIZE (INCHES) (W x H) | FREE AREA (SQFT) | DRAINABLE (Y) OR (N) | BLADE ANGLE & FRAME DEPTH | BASIS OF DESIGN = RUSKIN |            |
|------|----------------|----------------|---------------|-----------------------|------------------|----------------------|---------------------------|--------------------------|------------|
|      |                |                |               |                       |                  |                      |                           | SERVICE                  | MODEL      |
| L-E  | 625            | 0.1            | -             | 48x24                 | 3.8              | Y                    | 31-1/2", 6"               | ELEVATOR SHAFT           | ELC6315DAX |
| L-1A | 325            | 0.1            | 485           | 24x12                 | 0.67             | Y                    | 31-1/2", 6"               | ERV-Ø O.A.               | ELF6315DX  |
| L-1B | 325            | 0.1            | 485           | 24x12                 | 0.67             | Y                    | 31-1/2", 6"               | ERV-Ø E.A.               | ELF6315DX  |
| L-2A | 410            | 0.1            | 611           | 24x12                 | 0.67             | Y                    | 31-1/2", 6"               | SF-1 INTAKE              | ELF6315DX  |
| L-2B | 680            | 0.15           | 1015          | 24x12                 | 0.67             | Y                    | 31-1/2", 6"               | EF-1 & 2 E.A.            | ELF6315DX  |

### WALL HEATER PERFORMANCE SCHEDULE

| TAG  | OUTPUT (MBH) | FLOW RATE (GPM) | W/P.D (FT.WG) | AIRFLOW (CFM) | ELECTRICAL REQUIREMENTS |          | BASIS OF DESIGN = DESIGNLINE |         |         |
|------|--------------|-----------------|---------------|---------------|-------------------------|----------|------------------------------|---------|---------|
|      |              |                 |               |               | AMPS                    | V/FH/Hz  | VALVE                        | SERVICE | MODEL   |
| WH-1 | 3.0          | 2.0             | -             | 36            | 2.0                     | 120/1/60 | N/A                          | HEAT    | DL65-WM |

### GAS BOILER PERFORMANCE SCHEDULE

| TAG | INPUT (MBH) | HEATING CAPACITY (MBH) | PRESS. DROP (FT HD) | FUEL    | EFF. (%) | INTAKE/VENT (IN) | ELECTRICAL REQUIREMENTS |       |          | BASIS OF DESIGN = HEAT TRANSFER PRODUCTS |             |
|-----|-------------|------------------------|---------------------|---------|----------|------------------|-------------------------|-------|----------|--|-------------|
|     |             |                        |                     |         |          |                  | AMP                     | WATTS | V/FH/Hz  | SERVICE                                  | MODEL       |
| B-1 | 5000        | 4100                   | 110                 | NAT GAS | 94.0     | 4" x 4"          | 100                     | -     | 120/1/60 | HWS/R                                    | MOD CON 500 |
| B-2 | 5000        | 4100                   | 110                 | NAT GAS | 94.0     | 4" x 4"          | 100                     | -     | 120/1/60 | HWS/R                                    | MOD CON 500 |

### CABINET UNIT HEATER PERFORMANCE SCHEDULE

| TAG   | OUTPUT (MBH) | FLOW RATE (GPM) | W/P.D (FT.WG) | AIRFLOW (CFM) | VALVE | MTGHT. (FEET) | ELECTRICAL REQUIREMENTS |          |           | BASIS OF DESIGN = STERLING |               |       |
|-------|--------------|-----------------|---------------|---------------|-------|---------------|-------------------------|----------|-----------|----------------------------|---------------|-------|
|       |              |                 |               |               |       |               | HP                      | AMPS     | V/FH/Hz   | SERVICE                    | ARRANGEMENT   | MODEL |
| CUH-1 | 21.1         | 2.0             | 0.38          | 345           | N/A   | 1/10          | 1.4                     | 120/1/60 | HEAT      | INV. WALL                  | WH-110-Ø4-HC  |       |
| CUH-2 | 21.1         | 2.0             | 0.38          | 345           | N/A   | 1/10          | 1.4                     | 120/1/60 | HEAT      | INV. WALL                  | RW-1130-Ø4-HC |       |
| CUH-3 | 41.8         | 4.0             | 0.38          | 625           | N/A   | 1/10          | 1.4                     | 120/1/60 | HEAT, V-2 | DUCTED                     | RC-1210-Ø6-HC |       |
| CUH-4 | 21.1         | 2.0             | 0.38          | 345           | N/A   | 1/10          | 1.4                     | 120/1/60 | HEAT      | INV. WALL                  | C-110-Ø4-HC   |       |

\* REFER TO ARCHITECTURAL DRAWINGS, TYP. 6" AFF. PROVIDE EACH UNIT W/ DISCONNECT SWITCH AND FILTERS.

### BFP PERFORMANCE SCHEDULE

| TAG   | SIZE | FLOW RATE (GPM) | W/P.D (PSI) | MAX. WORK'G. TEMPERATURE (DEGREES F) | MAX. WORK'G. PRESSURE (PSI) | TESTABLE (Y) OR (N) | BASIS OF DESIGN = ZURN-WILKINS |                |       |
|-------|------|-----------------|-------------|--------------------------------------|-----------------------------|---------------------|--------------------------------|----------------|-------|
|       |      |                 |             |                                      |                             |                     | BODY STYLE                     | SERVICE        | MODEL |
| BFP-1 | 2"   | 100.0           | 15.0        | 180                                  | 115                         | Y                   | RPZ                            | WATER ENTRANCE | 915XL |
| BFP-2 | 2"   | 100.0           | 15.0        | 180                                  | 115                         | Y                   | RPZ                            | WATER ENTRANCE | 915XL |
| BFP-3 | 3/4" | 20.0            | 12.0        | 180                                  | 115                         | Y                   | RPZ                            | BOILER FILL    | 915XL |

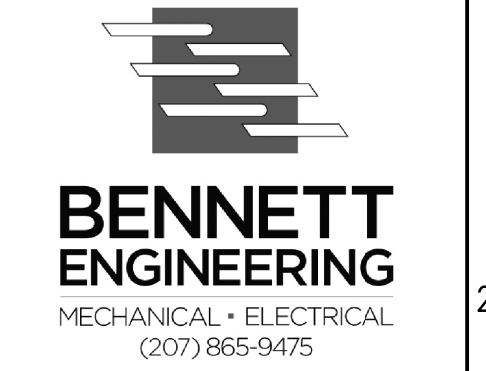
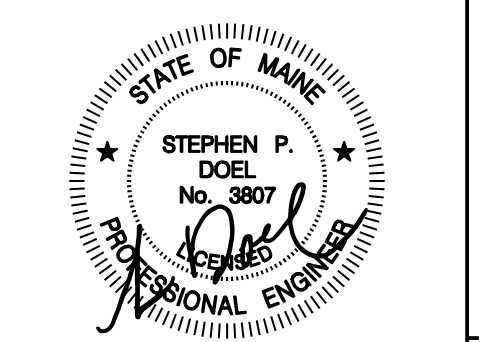
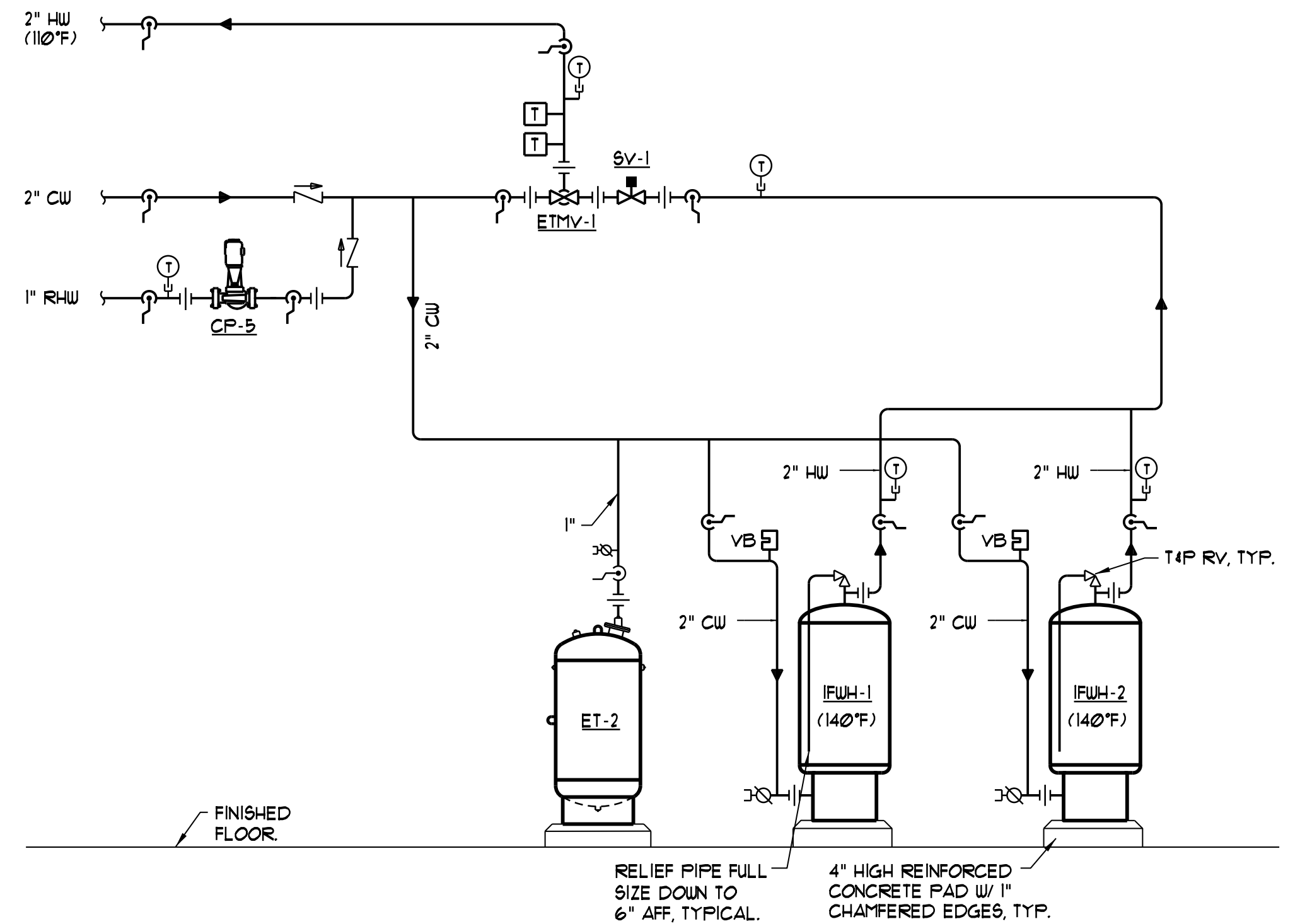
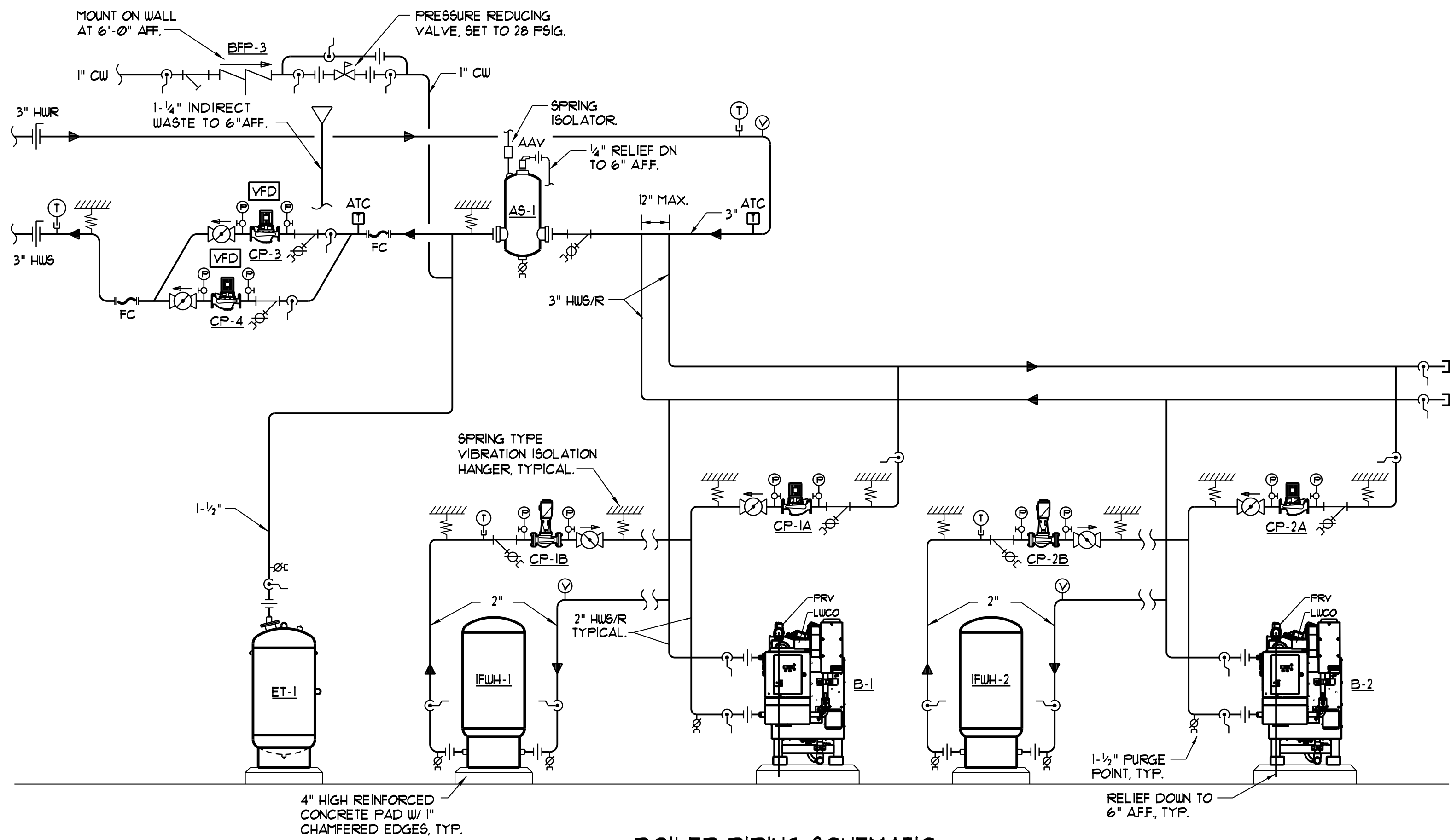
### EXPANSION TANK PERFORMANCE SCHEDULE

| TAG  | TANK VOLUME (GAL) | ACCEPTANCE VOLUME (GAL) | MIN. REQ'D. ACCEPT. VOL. (GAL) | MAX. WORK'G. TEMPERATURE (DEG F) | MAX. WORK'G. PRESSURE (PSI) | WEIGHT (LBS) | BASIS OF DESIGN = AMTROL |         |          |
|------|-------------------|-------------------------|--------------------------------|----------------------------------|-----------------------------|--------------|--------------------------|---------|----------|
|      |                   |                         |                                |                                  |                             |              | MOUNTING                 | SERVICE | MODEL    |
| ET-1 | 90.0              | 34.0                    | 32.0                           | 240                              | 125                         | 600          | FLOOR                    | HWS/R   | AX-180V  |
| ET-2 | 20.0              | 11.4                    | 10.0                           | 200                              | 150                         | 150          | FLOOR                    | DOM. HW | 9T-42V-C |

### FINTUBE PERFORMANCE SCHEDULE

| TAG   | OUTPUT (MBH/FT) | FLOW RATE (GPM) | MOUNT'G. HEIGHT (IN) | ENCLOSURE HEIGHT (IN) | ELEMENT LENGTH (FT) | ENCLOSURE LENGTH (FT) | BASIS OF DESIGN = STERLING |          |           |        |
|-------|-----------------|-----------------|----------------------|-----------------------|---------------------|-----------------------|----------------------------|----------|-----------|--------|
|       |                 |                 |                      |                       |                     |                       | TUBE SIZE (IN)             | FIN/FOOT | VALVE TAG | MODEL  |
| FTR-1 | 0.50            | 1.0             | 0                    | 9-13/16"              | -                   | -                     | 3/4"                       | 55       | V-1       | SENIOR |
| FTR-2 | 0.50            | 1.0             | 0                    | 9-13/16"              | -                   | -                     | 3/4"                       | 55       | V-2       | SENIOR |

\* - ELEMENT LENGTH SHALL BE AS REQUIRED TO MEET LOAD INDICATED ON DRAWINGS.  
 \*\* - ENCLOSURE LENGTH SHALL BE ELEMENT LENGTH PLUS 12" OR WALL TO WALL.



OWNER / DEVELOPER  
**AVESTA 409 CUMBERLAND LP**  
 C/O AVESTA HOUSING 307 CUMBERLAND AVENUE PORTLAND ME

PROJECT TITLE  
**409 CUMBERLAND AVENUE PORTLAND ME**  
 409 CUMBERLAND AVENUE PORTLAND ME

DRAWING TITLE  
**MECHANICAL SCHEDULES AND DETAILS**  
 CWS PROJ. NO.: 11.449

| REVISION DESCRIPTION | DATE |
|----------------------|------|
|                      |      |
|                      |      |
|                      |      |
|                      |      |

DRAWING NUMBER  
**M3.2**  
 SCALE: As Noted  
 DATE: 09/16/2013