

LOUVER PERFORMANCE SCHEDULE

| TAG | AIR FLOW (CFM) | SP LOSS (INWG) | AIR VEL. (FFM) | SIZE (INCHES) | FREE AREA (SQFT) | DRAINABLE (Y) OR (N) | BLADE ANGLE & FRAME DEPTH | BASIS OF DESIGN RUSKIN | |
|-----|----------------|----------------|----------------|---------------|------------------|----------------------|---------------------------|------------------------|-----------|
| | | | | | | | | SERVICE | MODEL |
| L-1 | 1200 | 0.06 | 670 | 24x24 | 1.89 | Y | 31.5°, 6" | COMBUSTION AIR | ELF6315DX |
| L-2 | 1200 | 0.06 | 670 | 24x24 | 1.89 | Y | 31.5°, 6" | COMBUSTION AIR | ELF6315DX |
| L-3 | 300 | 0.05 | 612 | 18x12 | 0.49 | Y | 31.5°, 6" | EMR INTAKE | ELF6315DX |
| L-4 | 300 | 0.05 | 612 | 18x12 | 0.49 | Y | 31.5°, 6" | EMR EXHAUST | ELF6315DX |
| L-5 | 500 | 0.12 | 1020 | 18x12 | 0.49 | Y | 31.5°, 6" | EF-2 | ELF6315DX |

BOILER PERFORMANCE SCHEDULE

| TAG | I-B-R RATINGS* | | DOE INPUT (MBH) | FIRING (MBH) | ANN. FUEL EFFIC. | BOILER SECTNS | ELECTRICAL REQUIREMENTS | | | BASIS OF DESIGN SMITH | | |
|-----|----------------|-------|-----------------|--------------|------------------|---------------|-------------------------|-------|---------|-----------------------|-------------------|----------|
| | GROSS* | NET* | | | | | HP | WATTS | V/PH/Hz | SERVICE | BURNER MAKE | MODEL |
| B-1 | 413.0 | 359.0 | - | 5200 | - | 4 | 1/3 | - | 115/160 | HWS/R | POWER FLAME JR15A | G19A-W-4 |
| B-2 | 413.0 | 359.0 | - | 5200 | - | 4 | 1/3 | - | 115/160 | HWS/R | POWER FLAME JR15A | G19A-W-4 |

AIR SEPARATOR PERFORMANCE SCHEDULE

| TAG | FLOW RATE (GPM) | WPD (FT/UG) | 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 | 700 | 2.70 | - | N | 210 | 125 | HWS/R | 2-1/2" | 49025AT |

BFP PERFORMANCE SCHEDULE

.. BODY STYLE DESIGNATIONS REFERENCED ARE AS FOLLOWS (DC) - DOUBLE CHECK; (DDC) - DOUBLE DETECTION CHECK; (DCA) - DOUBLE CHECK WITH ATMOSPHERIC VENT; (RPZ) - DOUBLE CHECK W/ REDUCED PRESSURE ZONE RELIEF VALVE.

| TAG | SIZE | FLOW RATE (GPM) | WPD (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 | 1" | 25.0 | 15.0 | 180 | 175 | Y | RPZ | WATER ENTRANCE | 915XL |
| BFP-2 | 1" | 25.0 | 15.0 | 180 | 175 | Y | RPZ | WATER ENTRANCE | 915XL |
| BFP-3 | 3/4" | 40.0 | 11.0 | 180 | 175 | Y | RPZ | BOILER FILL | 915XL |

AIR DEVICE PERFORMANCE SCHEDULE

| TAG | PANEL SIZE (IN) | NECK SIZE (IN) | AIRFLOW (CFM) | SP LOSS (INWG) | THROW (L) | THROW (S) | Nc | BASIS OF DESIGN TITUS | | |
|------|-----------------|----------------|---------------|----------------|-----------|-----------|----|-----------------------|-----------|--------|
| | | | | | | | | DUCT CONV. (IN) | PATTERN | MODEL |
| (A) | - | 10x10 | 400 | 0.08 | 17 | - | 25 | 10x10 | DBL DEFL | 272FL |
| (B) | - | 24x4 | 125 | 0.05 | 16 | - | 20 | 4x24 | 15" DEFL | CT-401 |
| (C) | - | 16x4 | 75 | 0.05 | 16 | - | 20 | 4x16 | 15" DEFL | CT-401 |
| (AA) | - | 6x8 | 90 | 0.05 | - | - | 15 | 6x8 | 1/2", 35" | 355SF6 |
| (BB) | - | 12x10 | 300 | 0.05 | - | - | 25 | 12x10 | 1/2", 35" | 355SFL |
| (CC) | - | 16x16 | 500 | 0.05 | - | - | 20 | 16x16 | 1/2", 35" | 355SFL |

CONVECTOR/FINTUBE PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 170°F AVERAGE WATER TEMP (25% PROPYLENE GLYCOL SOLUTION) & 65°F ENTERING AIR TEMPERATURE

| TAG | OUTPUT (MBH) | FLOW RATE (GPM) | MOUNT G. HEIGHT (IN) | ENCLOSURE HEIGHT (IN) | ENCLOSURE LENGTH (FT) | ELEMENT LENGTH (FT) | BASIS OF DESIGN SUNTEMP | | | |
|-------|--------------|-----------------|----------------------|-----------------------|-----------------------|---------------------|-------------------------|-----------|--------------|---------------|
| | | | | | | | TUBE SIZE (IN) | FINS/FOOT | NO. OF TIERS | MODEL |
| FTR-1 | 0.70 | 2.0 | - | 9-1/8" | * | ** | 3/4" | 55 | 1 | HEATRIM PLUS |
| FTR-2 | 0.34/FT | 2.0 | 6-7/16 | 6-7/16 | * | ** | 3/4" | 64 | 1 | DESIGNLINE*** |
| FTR-3 | 0.28/FT | 2.0 | 6'-0" | 19-1/2" | * | ** | 3/4" | 40 | 1 | JVB-65 |

** - ENCLOSURE LENGTH SHALL BE ELEMENT LENGTH PLUS 12" OR WALL-TO-WALL AS INDICATED
 ** - ELEMENT LENGTH SHALL BE AS REQUIRED TO MEET OUTPUT INDICATED ON DRAWINGS
 *** - PROVIDE FINTUBE WITH ALUMINUM COVER

WALL HEATER PERFORMANCE SCHEDULE

| TAG | OUTPUT (MBH) | FLOW RATE (GPM) | WPD (FT/UG) | AIRFLOW (CFM) | ENTERING WATER TEMP (DEG F) | ELECTRICAL REQUIREMENTS | | BASIS OF DESIGN VRV PRODUCTS | |
|------|--------------|-----------------|-------------|---------------|-----------------------------|-------------------------|---------|------------------------------|-------------|
| | | | | | | AMPS | V/PH/Hz | SERVICE | MODEL |
| WH-1 | 6.3 | 15 | 0.30 | 75 | 180 | 10 | 120/160 | LAUNDRY 101 | K52006/K5UK |
| WH-2 | 6.3 | 15 | 0.30 | 75 | 180 | 10 | 120/160 | CORRIDOR 110 | K52006/K5UK |
| WH-3 | 6.3 | 15 | 0.30 | 75 | 180 | 10 | 120/160 | CORRIDOR 210 | K52006/K5UK |
| WH-4 | 6.3 | 15 | 0.30 | 75 | 180 | 10 | 120/160 | CORRIDOR 310 | K52006/K5UK |

PUMP PERFORMANCE SCHEDULE

| TAG | FLOW RATE (GPM) | HEAD (FT/UG) | IMPEL. SIZE | RPM | EFF % | ELECTRICAL REQUIREMENTS | | | | BASIS OF DESIGN TACO | | | |
|-------|-----------------|--------------|-------------|------|-------|-------------------------|------|-------|------|----------------------|---------------|-------------|-------|
| | | | | | | HP | BHP | WATTS | AMPS | V/PH/Hz | SERVICE | ARRANGEMENT | MODEL |
| CP-1 | 35.0 | 20.0 | 4.71 | 1750 | 56.0 | 0.50 | 0.32 | - | - | 120/160 | B-1 | INLINE | 1611 |
| CP-1A | 15.0 | 15.0 | - | 3250 | - | 1/8 | - | - | - | 120/160 | B-1 BLEND | CART | 0011 |
| CP-2 | 35.0 | 20.0 | 4.71 | 1750 | 56.0 | 0.50 | 0.32 | - | - | 120/160 | B-1 | INLINE | 1611 |
| CP-2A | 15.0 | 15.0 | - | 3250 | - | 1/8 | - | - | - | 120/160 | B-1 BLEND | CART | 0011 |
| CP-3 | 70.0 | 40.0 | 7.30 | 1750 | 51.0 | 1.5 | 1.33 | - | - | 208/360 | HWS/R MAIN | INLINE | 1619 |
| CP-4 | 70.0 | 40.0 | 7.30 | 1750 | 51.0 | 1.5 | 1.33 | - | - | 208/360 | HWS/R MAIN | INLINE | 1619 |
| CP-5 | 28.0 | 25.0 | 5.21 | 1750 | 49.0 | 0.5 | 0.36 | - | - | 120/160 | IFWH-1 | INLINE | 1615 |
| CP-6 | 6.0 | 15.0 | - | 3250 | - | 1/8 | - | - | - | 120/160 | DOM HW RECIRC | CART | 0035 |
| CP-7 | 6.0 | 15.0 | - | 3250 | - | 1/8 | - | - | - | 120/160 | ERV-1 | CART | 009 |

** - PROVIDE ALL BRONZE CONSTRUCTION

PLUMBING FIXTURE CONNECTION SCHEDULE

| TAG | DESCRIPTION | SAN | VENT | CW | HW |
|------|---------------------------------|--------|--------|------|------|
| P-1 | FLR MNTD TT WC | 3" | 2" | 1/2" | - |
| P-1A | ADA FLR MNTD TT WC | 3" | 2" | 1/2" | - |
| P-2 | COUNTERTOP LAV | 1-1/2" | 1-1/2" | 1/2" | 1/2" |
| P-2A | ADA WALL HUNG LAV | 1-1/2" | 1-1/2" | 1/2" | 1/2" |
| P-3 | DOUBLE BOWL SS KITCHEN SINK | 1-1/2" | 1-1/2" | 1/2" | 1/2" |
| P-3A | ADA DOUBLE BOWL SS KITCHEN SINK | 1-1/2" | 1-1/2" | 1/2" | 1/2" |
| P-3B | ADA SINGLE BOWL SS KITCHEN SINK | 1-1/2" | 1-1/2" | 1/2" | 1/2" |
| P-4 | TUB/ SHOWER UNIT | 2" | 1-1/2" | 1/2" | 1/2" |
| P-4A | ADA ROLL-IN SHOWER UNIT | 2" | 1-1/2" | 1/2" | 1/2" |
| P-5 | 24"x24" MOP BASIN | 2" | 1-1/2" | 1/2" | 1/2" |
| P-6 | WASHING MACHINE CONNECTION | 2" | 1-1/2" | 1/2" | 1/2" |
| FD-1 | FLOOR DRAIN | 3" | 2" | - | - |
| FD-2 | WOOD DECK FLOOR DRAIN | 3" | 2" | - | - |

MINIMUM SIZE OF BELOW SLAB SANITARY & VENT PIPING SHALL BE 2". ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS

CABINET UNIT HEATER PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 180°F ENTERING WATER (25% PROPYLENE GLYCOL SOLUTION) & 60°F ENTERING AIR TEMPERATURE

| TAG | OUTPUT (MBH) | FLOW RATE (GPM) | WPD (FT/UG) | AIRFLOW (CFM) | MTG.HT. | ELECTRICAL REQUIREMENTS | | BASIS OF DESIGN STERLING | | | |
|-------|--------------|-----------------|-------------|---------------|---------------|-------------------------|-------|--------------------------|-----------|---------------|------------|
| | | | | | | HP | WATTS | V/PH/Hz | SERVICE | ARRANGEMENT | MODEL |
| CUH-1 | 16.9 | 2.0 | 0.26 | 335 | SURFACE | 1/15 | - | 120/160 | STAIR #1 | INVERTED WALL | WH-110-03 |
| CUH-2 | 16.9 | 2.0 | 0.26 | 335 | SURFACE | 1/15 | - | 120/160 | STAIR #2 | INVERTED WALL | WH-110-03 |
| CUH-3 | 16.9 | 2.0 | 0.26 | 335 | SEE ARCH DWGS | 1/15 | - | 120/160 | VESTIBULE | RECESSED WALL | RW-1130-03 |

UNIT HEATER PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 180°F ENTERING WATER (25% PROPYLENE GLYCOL SOLUTION) & 60°F ENTERING AIR TEMPERATURE

| TAG | OUTPUT (MBH) | FLOW RATE (GPM) | WPD (FT/UG) | AIRFLOW (CFM) | THROW | MTG.HT. (FEET) | ELECTRICAL REQUIREMENTS | | BASIS OF DESIGN STERLING | | | |
|------|--------------|-----------------|-------------|---------------|-------|----------------|-------------------------|-------|--------------------------|---------------|-------------|-------|
| | | | | | | | HP | WATTS | V/PH/Hz | SERVICE | ARRANGEMENT | MODEL |
| UH-1 | 28.3 | 3.5 | 0.12 | 750 | 30 | 7'-0" | 1/30 | - | 120/160 | MECH RM | HORIZONTAL | H6-48 |
| UH-1 | 28.3 | 3.5 | 0.12 | 750 | 30 | 7'-0" | 1/30 | - | 120/160 | ATTIC MECH RM | HORIZONTAL | H6-48 |

FAN PERFORMANCE SCHEDULE

| TAG | AIRFLOW (CFM) | TSP (INWG) | NOISE (SONES) | RPM | DRIVE | ELECTRICAL REQUIREMENTS | | | | BASIS OF DESIGN GREENHECK | | | |
|------|---------------|------------|---------------|------|--------|-------------------------|------|-------|------|---------------------------|--------------------|--------------|-----------|
| | | | | | | HP | BHP | WATTS | AMPS | V/PH/Hz | SERVICE | ARRANGEMENT | MODEL |
| SF-1 | 1200 | 0.40 | 11.4 | 1125 | DIRECT | 1/4 | 0.24 | - | - | 120/160 | MECHANICAL ROOM | INLINE | SQ-100-D |
| SF-2 | 500 | 0.30 | 7.4 | 1550 | DIRECT | 1/10 | 0.07 | - | - | 120/160 | CRAWLSPACE VENT. | INLINE | SQ-90-D |
| EF-1 | 95 | 0.40 | 2.1 | 950 | DIRECT | - | - | 80 | - | 120/160 | KITCHEN EXHAUST | CEILING-WALL | SQ-B110-D |
| EF-2 | 500 | 0.30 | 7.4 | 1550 | DIRECT | 1/10 | 0.07 | - | - | 120/160 | CRAWLSPACE EXHAUST | INLINE | SQ-90-D |
| EF-3 | 130 | 0.25 | - | 2800 | DIRECT | - | - | 75 | 0.13 | 120/160 | DRYER BOOSTER | INLINE | FX4XL*** |
| EF-4 | 130 | 0.25 | - | 2800 | DIRECT | - | - | 75 | 0.13 | 120/160 | DRYER BOOSTER | INLINE | FX4XL*** |
| EF-5 | 300 | 0.40 | 6.4 | 1300 | DIRECT | 1/15 | 0.06 | - | - | 120/160 | EMR EXHAUST | INLINE | SQ-95-G |

** - PROVIDE WITH SPRING ISOLATORS AND OUTLET GUARD
 *** - PROVIDE WITH CEILING RADIATION DAMPER AND FILTER
 *** - FANTECH FAN WITH DBF DRYER BOOSTER KIT INCLUDING PRESSURE SENSOR

INDIRECT-FIRED WATER HEATER PERFORMANCE SCHEDULE

| TAG | STORAGE (GALS) | INPUT (GPM) | WPD (FT/UG) | 1ST HOUR 90°F RISE (GPH) | WORKING PRESSURE (PSIG) | INLET CU TEMP (DEG F) | INLET HW TEMP (DEG F) | ELECTRICAL REQUIREMENTS | | | BASIS OF DESIGN SUPERSTOR | | |
|--------|----------------|-------------|-------------|--------------------------|-------------------------|-----------------------|-----------------------|-------------------------|-------|---------|---------------------------|--------------|--------------|
| | | | | | | | | HP | WATTS | V/PH/Hz | SERVICE | FUEL | MODEL |
| IFWH-1 | 120 | 28.0 | 12.1 | 474 | 150 | 50 | 180 | - | - | - | DOM HW | BOILER HWS/R | S6U-119-DW-C |

CONTROL VALVE SCHEDULE

| TAG | FLOW RATE (GPM) | Cv | VALVE SIZE (IN) | TYPE |
|-----|-----------------|-----|-----------------|-------------------|
| V-1 | 6.0 | 4.0 | 3/4" SCREW | 3-WAY, MIXING |
| V-2 | 2.0 | 1.3 | 1/2" SCREW | 2-WAY, 2-POSITION |

TEMPERATURE MIXING VALVE PERFORMANCE SCHEDULE

| 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 SYMMONS | | |
|-------|-----------------|---------------------------|----------------------------|------------|-----------------------|------------------------------------|-------------------------|-------------|---------|
| | | | | | | | SERVICE | ARRANGEMENT | MODEL |
| TMV-1 | 32.0 | 1" | 1-1/2" | 5.0 | 110 | Y | DOM HW | - | 5-500-W |

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 TACO | | |
|------|-------------------|-------------------------|--------------------------------|---------------------------------|----------------------------|--------------|----------------------|---------|---------|
| | | | | | | | MOUNTING | SERVICE | MODEL |
| ET-1 | 67 | 34 | 22 | 240 | 125 | 280 | FLOOR | HWS/R | CBX-254 |
| ET-2 | 11 | 5 | 3.5 | 240 | 125 | 105 | FLOOR | IFWH-1 | PAX-42 |

INTAKE/ RELIEF VENTILATOR PERFORMANCE SCHEDULE

| TAG | AIR FLOW (CFM) | SP LOSS (INWG) | AIR VEL. (FFM) | THROAT (W x L) (INCHES) | HOOD OD. (W x L) (INCHES) | CURB HEIGHT (INCHES) | BIRD SCREEN (INCHES) | BASIS OF DESIGN GREENHECK | |
|-------|----------------|----------------|----------------|-------------------------|---------------------------|----------------------|----------------------|---------------------------|-------|
| | | | | | | | | SERVICE | MODEL |
| GVI-1 | 1550 | 0.03 | 316 | 18x38 | 34x60 | 24" | 1/2" GRID | ERV-1 | FHI |
| GVI-2 | 1550 | 0.03 | 316 | 18x38 | 34x60 | 24" | 1/2" GRID | ERV-1 | FHI |
| GVE-1 | 1050 | 0.03 | 316 | 18x38 | 29x48 | 24" | 1/2" GRID | ERV-1 | FHE |
| GVE-2 | 1050 | 0.03 | 316 | 18x38 | 29x48 | 24" | 1/2" GRID | ERV-1 | FHE |

** - CURB SHALL BE 24" TALL ON THE HIGH SIDE OF THE ROOF.

SPLIT-SYSTEM CONDENSING UNIT PERFORMANCE SCHEDULE

** - AT ARI CONDITIONS OF 80°F AMBIENT/61°F SAT. INDOOR WB
 *** - EXPRESSED AS % COMPRESSOR DISPLACEMENT OPERATING

| TAG | TOTAL COOLING (MEH) | REFRIGERANT | CONDENSER AIRFLOW (CFM) | MINIMUM AMBIENT TEMP (°F) | FOOTPRINT DIMENSION (INCHES) | OPERATING WEIGHT (LBS) | ELECTRICAL REQUIREMENTS | | | BASIS OF DESIGN MITSUBISHI | | | |
|-------|---------------------|-------------|-------------------------|---------------------------|------------------------------|------------------------|-------------------------|----------|---------|----------------------------|---------------|---------|--------|
| | | | | | | | MCA | MAX FUSE | V/PH/Hz | COMP. STAGING** | SOUND (dB(A)) | SERVICE | MODEL |
| SCU-1 | 12.5 | R-22 | - | 32° | 34x12 | 105.0 | 11.0 | 15.0 | 208/160 | 0-100 | 50.0 | SAC-1 | FUI2EK |

SPLIT-SYSTEM AIR CONDITIONER PERFORMANCE SCHEDULE

** - AT ARI CONDITIONS OF 85°F AMBIENT/65°F INDOOR WB

| TAG | TOTAL COOLING (MEH) | AIRFLOW (CFM) | MOISTURE REMOVAL (PINTS/HR) | COND. DRAIN (IN) | EER (BTUH/WATT) | SOUND RATING (dB(A)) | WEIGHT (LBS) | REFRIGERANT PIPE SIZE (IN) | | | ELECTRICAL REQUIREMENTS | | | BASIS OF DESIGN M | | |
|-----|---------------------|---------------|-----------------------------|------------------|-----------------|----------------------|--------------|----------------------------|--|--|-------------------------|--|--|-------------------|--|--|
|-----|---------------------|---------------|-----------------------------|------------------|-----------------|----------------------|--------------|----------------------------|--|--|-------------------------|--|--|-------------------|--|--|