

| AIR HANDLING UNIT SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-------------|--------|---------------------|---------------|------------|---------|------------|-----|---|-------------------------|-----------------------|---------|-----------|------------|----------------------|--------------------|-----------|---------------------|-------------|-------|------|----|-----|---|
| UNIT # | MFR | MODEL | SUPPLY FAN SECTIONS | | | | | | | HEATING FURNACE SECTION | | | | | COOLING COIL SECTION | | | | UNIT WEIGHT | | | | | |
| | | | CFM | EXTERNAL S.P. | BRAKE H.P. | FAN RPM | ELECTRICAL | | | ENT AIR (DEG F) | LEAV AIR (DEG F) | FUEL | INPUT MBH | OUTPUT MBH | ENT AIR (DEG F) | LEAV AIR (DEG F) | TOTAL MBH | FACE AREA (SQ FT) | | | | | | |
| RTU-1 | TRANE | YFD211 | 6,300 | 1.22 | 3.74 | 791 | 64.0 | 3.0 | 3 | 208 | 70 | 100.1 | NAT GAS | 250 | 203 | 80 | 59.3 | 216 | 26.0 | 2,168 | | | | |
| RTU-2 | TRANE | YFD151 | 5,150 | 1.27 | 2.99 | 901 | 64.0 | 3.0 | 3 | 208 | 70 | 92.3 | NAT GAS | 150 | 122 | 80 | 61.7 | 154.9 | 17.5 | 1,612 | | | | |
| - | - | - | - | - | - | - | - | - | - | - | ELECTRIC HEATING COIL | | | | | - | - | - | - | - | | | | |
| RTU-3 | Pool Envir. | PS 1.5 | 1,500 | 1.5 | 1.4 | 3489 | - | 2 | 3 | 208 | MBH IN | MBH NET | KW | SCR | - | 84 | 64 | 46.6 | - | 1,350 | | | | |
| - | - | - | - | - | - | - | - | - | - | - | EXHAUST FAN | 1,500 | 1.0 | 1.1 | 3540 | - | 1.5 | 3 | 208 | 68.3 | 48.0 | 20 | YES | - |

| CABINET UNIT HEATER SCHEDULE (ELECTRIC) | | | | | | | | | | | | | | |
|-------------------------------------------|--------------|----------|--------------|-----|-----|----------|-------|-------|------|----------------------|--------|---------|----------|------------------|
| UNIT NO. | MANUFACTURER | MODEL | SERVICE | CFM | EAT | ELECTRIC | | | | DIMENSIONS | REC DP | MTG AFF | MTG TYPE | NOTES |
| | | | | | | KW | BTU | PHASE | VOLT | | | | | |
| ECUH-1 | BERKO | FRC-4020 | ENTRY-101 | 100 | 60 | 2 | 6,800 | 1 | 208 | 14.375"X18.25"X3.75" | NA | 6" | WALL | INSTALL RECESSED |
| ECUH-2 | BERKO | FRC-4020 | MEN-102 | 100 | 60 | 2 | 6,800 | 1 | 208 | 14.375"X18.25"X3.75" | NA | 6" | WALL | INSTALL RECESSED |
| ECUH-3 | BERKO | FRC-4020 | WOMEN-103 | 100 | 60 | 2 | 6,800 | 1 | 208 | 14.375"X18.25"X3.75" | NA | 6" | WALL | INSTALL RECESSED |
| ECUH-4 | BERKO | FRC-4020 | GYM-147 | 100 | 60 | 2 | 6,800 | 1 | 208 | 14.375"X18.25"X3.75" | NA | 6" | WALL | INSTALL RECESSED |
| ECUH-5 | BERKO | FRC-4020 | CORRIDOR-143 | 100 | 60 | 2 | 6,800 | 1 | 208 | 14.375"X18.25"X3.75" | NA | 6" | WALL | INSTALL RECESSED |

| CONDENSING UNIT SCHEDULE | | | | | | | | | | | | | | |
|--------------------------|---------------------|---------|------|-----|---------|----------------------|----------|-------|-------|--------------|--------|---------|-------------|------------------|
| UNIT NO. | MFR. & MODEL | SERVICE | MBH | SST | AMB AIR | MIN. STAGES UNLOADED | ELECTRIC | | | PIPING SIZES | | | | NOTES |
| | | | | | | | MCA | PHASE | VOLTS | LIQ | SUCT | HOT GAS | SUCT RISERS | |
| CU-1 | TRANE-2TA3060A3000A | RTU-3 | 46.6 | - | 95 | 1 | 23 | 3 | 200 | 3/8" | 1-1/8" | - | - | OPERATES W/RTU-3 |

| VAV BOX SCHEDULE | | | | | | | | | |
|------------------|--------------|----------|----------------------------|----------------|---------|-------------------|----------------|----------------|--|
| UNIT NUMBER | MANUFACTURER | MODEL | SERVICE | PRIMARY VALVE: | | DUCT CONNECTIONS: | | OVERALL SIZES: | |
| | | | | CFM MIN | CFM MAX | INLET | OUTLET (HxW) | (LxWxH) | |
| VAV-1 | TRANE | VARITRAC | FUNCTIONAL RESTORATION-142 | 700 | 1100 | 12" DIA. | 12" DIA. | 12" DIA. x 16" | |
| VAV-2 | TRANE | VARITRAC | DOCUMENTATION - 146 | 700 | 1100 | 12" DIA. | 12" DIA. | 12" DIA. x 16" | |
| VAV-3 | TRANE | VARITRAC | GYM - 147 | 1200 | 2000 | 16" DIA. | 16" DIA. | 16" DIA. x 20" | |
| VAV-4 | TRANE | VARITRAC | TREATMENT - 130-139 | 600 | 1250 | 12" DIA. | 12" DIA. | 12" DIA. x 16" | |
| VAV-5 | TRANE | VARITRAC | TREATMENT + SHOWERS | 600 | 850 | 10" DIA. | 10" DIA. | 10" DIA. x 16" | |
| VAV-6 | TRANE | VARITRAC | OFFICES | 600 | 800 | 10" DIA. | 10" DIA. | 10" DIA. x 16" | |
| VAV-7 | TRANE | VARITRAC | RECORDS + BUSINESS | 750 | 1200 | 12" DIA. | 12" DIA. | 12" DIA. x 16" | |
| VAV-8A | TRANE | VARITRAC | N.P. OFFICE + SUPPORT | 200 | 300 | 6" DIA. | 6" DIA. | 6" DIA. x 12" | |
| VAV-8B | TRANE | VARITRAC | DR. HULL + EXAM | 400 | 500 | 8" DIA. | 8" DIA. | 8" DIA. x 12" | |
| VAV-8C | TRANE | VARITRAC | EXAM + INTERVIEW | 300 | 450 | 8" DIA. | 8" DIA. | 8" DIA. x 12" | |
| VAV-9 | TRANE | VARITRAC | CONFERENCE ROOM - 164 | 300 | 400 | 8" DIA. | 8" DIA. | 8" DIA. x 12" | |
| VAV-10 | TRANE | VARITRAC | WAITING - 104 | 1000 | 1600 | 14" DIA. | 14" DIA. | 14" DIA. x 20" | |
| - | - | - | - | - | - | - | - | - | |
| VAV-A | TRANE | VARITRAC | RTU-1 VARITRAC BYPASS | 0 | 2300 | 16" DIA. | 16" DIA. | 16" DIA. x 20" | |
| VAV-B | TRANE | VARITRAC | RTU-2 VARITRAC BYPASS | 0 | 1700 | 12" DIA. | 12" DIA. | 12" DIA. x 16" | |
| - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | |

| REGISTERS, GRILLES & DIFFUSERS SCHEDULE | | | | | | | | | |
|-----------------------------------------|-------------------|--------------|--------|-----------|--------|-------------------|--------|--------|------------------------------|
| TAG | TYPE | MANUFACTURER | MODEL | NECK SIZE | DAMPER | DIRECTION OF BLOW | MAX NC | MAX SP | REMARKS |
| S-1 | 12x12 DIFFUSER | KRUEGER | PLQ | 6" DIA. | - | 4-WAY | <10 | .08" | PROVIDE 24"x24" LAY-IN FRAME |
| S-2 | 12x12 DIFFUSER | KRUEGER | PLQ | 7" DIA. | - | 4-WAY | 12 | .13" | PROVIDE 24"x24" LAY-IN FRAME |
| S-3 | 12x12 DIFFUSER | KRUEGER | PLQ | 8" DIA. | - | 4-WAY | 12 | .16" | PROVIDE 24"x24" LAY-IN FRAME |
| S-4 | 12x12 DIFFUSER | KRUEGER | PLQ | 6" DIA. | - | 2-WAY OPP. | <10 | .08" | PROVIDE 24"x24" LAY-IN FRAME |
| S-5 | 24x24 DIFFUSER | KRUEGER | PLQ | 10" DIA. | - | 4-WAY | <10 | .06" | - |
| S-6 | 12x12 DIFFUSER | KRUEGER | PLQ | 8" DIA. | - | 2-WAY OPP. | 12 | .16" | PROVIDE 24"x24" LAY-IN FRAME |
| S-7 | DOUBLE DEFLECTION | KRUEGER | 880 | 12" x 8" | - | ADJ. | <10 | .04" | FACE LOUVERS HORIZONTAL |
| S-8 | DOUBLE DEFLECTION | KRUEGER | 880 | 24" x 10" | - | ADJ. | <10 | .02" | FACE LOUVERS HORIZONTAL |
| S-9 | 24x24 DIFFUSER | KRUEGER | PLQ | 15" DIA. | - | 2-WAY CORN. | 16 | .13" | - |
| - | - | - | - | - | - | - | - | - | - |
| R-1 | GC - GRID CORE | KRUEGER | EGC-15 | 6" x 6" | - | NA | 13 | .07" | - |
| R-2 | GC - GRID CORE | KRUEGER | EGC-15 | 6" x 6" | - | NA | 13 | .07" | - |
| R-3 | GC - GRID CORE | KRUEGER | EGC-15 | 10" x 6" | - | NA | 15 | .07" | - |
| R-4 | GC - GRID CORE | KRUEGER | EGC-15 | 12" x 8" | - | NA | 12 | .05" | - |
| R-5 | GC - GRID CORE | KRUEGER | EGC-15 | 24" x 10" | - | NA | 25 | .09" | - |
| R-6 | GC - GRID CORE | KRUEGER | EGC-15 | 24" x 24" | - | NA | 14 | .04" | - |
| - | - | - | - | - | - | - | - | - | - |
| E-1 | GC - GRID CORE | KRUEGER | EGC-15 | 6" x 6" | - | NA | 13 | .07" | - |
| E-2 | GC - GRID CORE | KRUEGER | EGC-15 | 6" x 6" | - | NA | 13 | .07" | - |
| E-3 | GC - GRID CORE | KRUEGER | EGC-15 | 10" x 6" | - | NA | 15 | .07" | - |
| - | - | - | - | - | - | - | - | - | - |

| FAN SCHEDULE | | | | | | | | | | | | | | | |
|--------------|--------------|---------|-----------------------|-----|----------------------------------|------|-------|----------|-------|-------|---------------|-------------------|--------|------------------|--------------------------------------|
| FAN NUMBER | MANUFACTURER | MODEL | SERVICE | CFM | EXT. STATIC PRESSURE (IN. H2O) | RPM | SONES | ELECTRIC | | | MOTOR CONTROL | PROVIDE ROOF CURB | DRIVE | DISCHARGE DAMPER | NOTES |
| | | | | | | | | WATTS | PHASE | VOLTS | | | | | |
| EF-1 | COOK | 90C15DH | MEN-102 & WOMEN-103 | 200 | 0.50 | 1335 | 5.9 | 77 | 1 | 120 | TIME CLOCK | YES | DIRECT | BUILT-IN | TIME CLOCK WILL ENERGIZE EXHAUST FAN |
| EF-2 | COOK | 90C15DH | TLT-114 & SOIL UT-115 | 200 | 0.50 | 1335 | 5.9 | 77 | 1 | 120 | TIME CLOCK | YES | DIRECT | BUILT-IN | TIME CLOCK WILL ENERGIZE EXHAUST FAN |
| EF-3 | COOK | 90C15DH | POOL EQUIP-161 | 200 | 0.50 | 1335 | 5.9 | 77 | 1 | 120 | TIME CLOCK | YES | DIRECT | BUILT-IN | TIME CLOCK WILL ENERGIZE EXHAUST FAN |
| EF-4 | COOK | 120C15D | JAN-126/SOIL STOR-12B | 650 | 0.50 | 1088 | 5.8 | 60 | 1 | 120 | TIME CLOCK | YES | DIRECT | BUILT-IN | TIME CLOCK WILL ENERGIZE EXHAUST FAN |
| EF-5 | COOK | 120C15D | SHOWERS + | 700 | 0.50 | 1103 | 6.0 | 67 | 1 | 120 | TIME CLOCK | YES | DIRECT | BUILT-IN | TIME CLOCK WILL ENERGIZE EXHAUST FAN |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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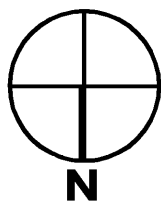
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Project Title

MERCY HEALTH CENTER
WESTGATE PLAZA
PORTLAND, MAINE

HA Project No. **07182**

Key Plan



| | |
|-------------|-------------------|
| 07/01/08 | ISSUED FOR PERMIT |
| 06/26/08 | 100% REVIEW SET |
| 06/17/08 | 50% REVIEW SET |
| Mark | Date Description |
| Issue Dates | |

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|-----------------------------|
| Drawing Status |
| Drawing Title |
| MECHANICAL SCHEDULES |
| PA / PE: CG Drawn By: DBR |
| Drawing Number |

M40.1