

| REVISIONS | BY |
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### AIR HANDLING UNIT SCHEDULE

| PLAN MARK (AHU)      | LOCATION  | BLOWER |                               |       |       |       | OUTSIDE AIR CFM | CHILLED WATER COIL DATA |                |          |      |         | HOT WATER COIL DATA |      |            |             |   | FILTER        |            |      | WEIGHT LBS | REF SHI NO | MODEL BCHB | REMARKS |        |                               |  |
|----------------------|-----------|--------|-------------------------------|-------|-------|-------|-----------------|-------------------------|----------------|----------|------|---------|---------------------|------|------------|-------------|---|---------------|------------|------|------------|------------|------------|---------|--------|-------------------------------|--|
|                      |           | CFM    | 'EXT. SP. IN H <sub>2</sub> O | MOTOR |       |       |                 | TOTAL CAP. BTUH         | SEN. CAP. BTUH | ENT. AIR |      | LVG AIR |                     | GPM  | TOTAL BTUH | ENT. AIR °F |   | GPM @ ΔT=20°F | ENT. WATER | TYPE |            |            |            |         | EFF. % | S.P. LOSS IN H <sub>2</sub> O |  |
|                      |           |        |                               | HP    | VOLTS | PHASE |                 |                         |                | DB°F     | WB°F | DB°F    | WB°F                |      |            | DB°F        | — |               |            |      |            |            |            |         |        |                               |  |
| AHU-1 to 32          | CLASSROOM | 1200   | 0.45"                         | 1/2   | 120   | 1     | 450             | 55,000                  | 37,000         | 81       | 67   | 55.6    | 55                  | 10.0 | 35,000     | 64          | — | 3.5           | 180°F      | 2"TA | 30"        | 0.25"      | 250        |         | 36     | 1, 2, 3, 4, 5, 6              |  |
| AHU 35 to 34         | ADMIN.    | 1400   | 0.45"                         | 3/4   | 120   | 1     | 300             | 45,000                  | 28,000         | "        | "    | "       | "                   | 8.0  | 35,000     | "           | — | 3.5           |            |      |            |            |            |         | ME-10  | 36                            |  |
| AHU 35               | LIBRARY   | 600    | 0.40"                         | 1/3   |       |       | 120             | 20,600                  | 15,300         | "        | "    | "       | "                   | 4.0  | 15,000     | "           | — | 1.5           |            |      |            |            |            |         | "      | 24                            |  |
| AHU 36               | "         | 1050   | 0.40"                         | 1/2   |       |       | 325             | 45,000                  | 26,000         | "        | "    | "       | "                   | 8.0  | 30,000     | "           | — | 3.0           |            |      |            |            |            |         | "      | 36                            |  |
| AHU 37               | "         | 600    | 0.40"                         | 1/3   |       |       | 90              | 20,600                  | 15,300         | "        | "    | "       | "                   | 4.0  | 15,000     | "           | — | 1.5           |            |      |            |            |            |         | "      | 24                            |  |
| AHU 38 & 39          | CLASSROOM | 1400   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 32,000         | "        | "    | "       | "                   | 10.0 | 20,000     | "           | — | 2.0           |            |      |            |            |            |         | "      | 36                            |  |
| AHU 40 to 43         | LIBRARY   | 1300   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 31,500         | "        | "    | "       | "                   | 10.0 | 35,000     | "           | — | 3.5           |            |      |            |            |            |         | ME-11  | 36                            |  |
| AHU 44 & 45          | CLASSROOM | 1500   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 37,700         | "        | "    | "       | "                   | 10.0 | 40,000     | "           | — | 4.0           |            |      |            |            |            |         | ME-11  | 36                            |  |
| AHU 46               | "         | 1400   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 37,300         | "        | "    | "       | "                   | 10.0 | 35,000     | "           | — | 3.5           |            |      |            |            |            |         | "      | 36                            |  |
| AHU 47 to 49         | "         | 1000   | 0.40"                         | 1/2   |       |       | 450             | 50,000                  | 37,300         | "        | "    | "       | "                   | 9.0  | 30,000     | "           | — | 3.0           |            |      |            |            |            |         | "      | 36                            |  |
| AHU 50               | OFFICE    | 600    | 0.40"                         | 1/3   |       |       | 100             | 20,600                  | 15,300         | "        | "    | "       | "                   | 4.0  | 15,000     | "           | — | 1.5           |            |      |            |            |            |         | ME-12  | 24                            |  |
| AHU 51               | CLASSROOM | 1200   | 0.40"                         | 1/2   |       |       | 450             | 55,000                  | 37,300         | "        | "    | "       | "                   | 9.0  | 40,000     | "           | — | 4.0           |            |      |            |            |            |         | "      | 36                            |  |
| AHU 52 to 54 AND 54A | "         | 1400   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 37,300         | "        | "    | "       | "                   | 10.0 | 40,000     | "           | — | 4.0           |            |      |            |            |            |         | "      | 36                            |  |
| AHU 55 to 60         | CLASSROOM | 1500   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 37,300         | "        | "    | "       | "                   | 10.0 | 40,000     | "           | — | 4.0           |            |      |            |            |            |         | ME-13  | 36                            |  |
| AHU 61 to 68         | CAFETERIA | 1500   | 0.40"                         | 3/4   |       |       | 400             | 55,000                  | 37,300         | "        | "    | "       | "                   | 10.0 | 40,000     | "           | — | 4.0           |            |      |            |            |            |         | ME-14  | 36                            |  |
| AHU 69               | CLASSROOM | 1400   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 37,300         | "        | "    | "       | "                   | 10.0 | 40,000     | "           | — | 4.0           |            |      |            |            |            |         | ME-16  | 36                            |  |
| AHU-70               | "         | 1500   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 37,300         | "        | "    | "       | "                   | 10.0 | 40,000     | "           | — | 4.0           |            |      |            |            |            |         | "      | 36                            |  |
| AHU 71 & 72          | "         | 1000   | 0.50"                         | 3/4   |       |       | 450             | 50,000                  | 28,300         | "        | "    | "       | "                   | 9.0  | 30,000     | "           | — | 3.0           |            |      |            |            |            |         | ME-17  | 36                            |  |
| AHU-73               | "         | 1300   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 37,000         | "        | "    | "       | "                   | 10.0 | 30,000     | "           | — | 3.0           |            |      |            |            |            |         | "      | 36                            |  |
| AHU-74, 75           | "         | 1500   | 0.40"                         | 3/4   |       |       | 450             | 55,000                  | 37,300         | "        | "    | "       | "                   | 10.0 | 35,000     | "           | — | 3.5           |            |      |            |            |            |         | "      | 36                            |  |

- SELECTION BASED ON TRANE CO. MCQUAY, CARRIER, YORK OR EQUAL
- CHILLED WATER ENTERING TEMP. = 45°F
- HORIZONTAL SUSPENDED UNIT NOT TO EXCEED 16.5" IN HEIGHT.
- FLAT FILTER BOX WITH BOTTOM FILTER ACCESS.
- CHILL W. COIL WATER PD = 10 FT. AIR = 0.45" MAX
- HOT WATER COIL WATER PD = 5 FT. MAX, AIR = 0.20" MAX

| MARK  | LOCATION | CFM | OUTSIDE AIR CFM | TOTALS-P IN W.G. | FAN MOTOR |       |       |                 |          | COOLING COIL DATA |               |               |            |                 | HEATING COIL DATA |      |               |               |            | FILTER SECTION |       |                   | WT.(LBS) | MODEL NO. | REMARKS |  |   |
|-------|----------|-----|-----------------|------------------|-----------|-------|-------|-----------------|----------|-------------------|---------------|---------------|------------|-----------------|-------------------|------|---------------|---------------|------------|----------------|-------|-------------------|----------|-----------|---------|--|---|
|       |          |     |                 |                  | WATTS     | VOLTS | PHASE | CAPACITY BTU/HR | ENT. AIR |                   | GPM @ ΔT=10°F | MAX COIL P.D. |            | CAPACITY BTU/HR | ENT. AIR          |      | GPM @ ΔT=20°F | MAX COIL P.D. |            | TYPE           | EFF % | S.P. IN. OF WATER |          |           |         |  |   |
|       |          |     |                 |                  |           |       |       |                 | DB°F     | WB°F              |               | AIR (IN)      | WATER (FT) |                 | DB°F              | WB°F |               | AIR (IN)      | WATER (FT) |                |       |                   |          |           |         |  |   |
| FCU-1 |          | 400 | 40              | 0.40"            | 160       | 115V  | 1     | 12000           | 9,000    | 77                | 65            | 2.5           | 0.35       | 5               | 15000             | 69   | 1.5           | 0.15          | 3          | TA             | 30    | 0.25              | 150      |           |         |  | 1 |
| FCU-2 |          | 600 | 60              | 0.40"            | 200       | 115V  | 1     | 18000           | 12,000   | 77                | 65            | 3.5           | 0.35       | 5               | 20,000            | 69   | 2.0           | 0.15          | 3          | TA             | 30    | 0.25              | 150      |           |         |  | 1 |

- SELECTION BASED ON TRANE CO. YORK, CARRIER, MCQUAY OR EQUAL

| MARK | GPM | TONS | AMB. AIR °F |    | ELECTRICAL DATA |       |       | PRESS DROP FT. WATER | ENT WATER TEMP °F | LVG WATER TEMP °F | MODEL NO. | WEIGHT | REMARKS |
|------|-----|------|-------------|----|-----------------|-------|-------|----------------------|-------------------|-------------------|-----------|--------|---------|
|      |     |      | DB          | WB | HP              | VOLTS | PHASE |                      |                   |                   |           |        |         |
|      |     |      |             |    |                 |       |       |                      |                   |                   |           |        |         |
| CT-1 | 550 | 200  | 95          | 79 | 15              | 460   | 3     | 15                   | 95                | 85                | NC2111    | 12000  | 1, 2, 3 |
| CT-2 | 550 | 200  | 95          | 79 | 15              | 460   | 3     | 15                   | 95                | 85                | NC2111    | 12000  | 1, 2, 3 |

- SELECTION BASED ON MARLEY INDUCED DRAFT, CROSS-FLOW
- BALTIMORE AIR COIL EQUAL.
- REPLACE WIRES (#10) SIZE FROM STARTER TO DISCONNECT SWITCH. PROVIDE DISCONNECT & STARTER'S HEATER OVERLOAD IN MCC.

| PLAN MARK | NOM TON | COMPRESSOR |          | FAN (EA) |    | ELECTRICAL DATA |      |       | MODEL NO. | NOTES  |      |
|-----------|---------|------------|----------|----------|----|-----------------|------|-------|-----------|--------|------|
|           |         | NO         | RLA (EA) | LRA (EA) | NO | FLA             | MCA  | VOLTS |           |        | FUSE |
| CU-1      | 7.5     | 1          | 26.9     | 164      | 1  |                 | 36.7 | 208/3 | 60        | TTA090 | 1    |
| CU-2      | 3.0     | 1          | 12       | 75       | 1  | 1.7             | 17   |       | 25        | TTA056 | 1    |

- SELECTION BASED ON TRANE CO. CARRIER, MCQUAY, YORK OR EQUAL

| MARK  | SERVES   | TYPE        | PUMP SCHEDULE |         | HP    | VOLTS | PHASE | EFF. | MODEL | SIZE   | REMARKS    |
|-------|----------|-------------|---------------|---------|-------|-------|-------|------|-------|--------|------------|
|       |          |             | GPM           | TDH FT. |       |       |       |      |       |        |            |
| CDP-1 | COND. W  | END SUCTION | 550           | 50      | 10    | 460   | 3     | 78%  | 344   | 4x5x9B | 1, 2, 3    |
| CDP-2 | COND. W  | "           | 550           | 50      | 10    | 460   | 3     | 78%  | "     | 4x5x9B | 1, 2, 3    |
| HWP-1 | HOT W.   | "           | 440           | 95      | 1 1/2 | 460   | 3     | 78%  | "     | 4x5x11 | 1, 2, 3    |
| CHP-1 | CHILL W. | "           | 850           | 100     | 30    | 460   | 3     | 78%  | "     | 5x6x12 | 1, 2, 3, 4 |

- SELECTION BASED ON AURORA, B & G
- 1750 RPM PUMP
- REPLACE EXISTING PUMP WITH NEW PUMP.
- REPLACE DISCONNECT SWITCH FROM 25 TO 30 HP. CHANGE WIRES (3#8, 1#6CG) FROM MOTOR CONTROL CENTER TO PUMP. REPLACE STARTER HEATER OVERLOAD IN MCC.

### SCHEDULES



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CLIENT  
NEW ORLEANS PARISH  
SCHOOL BOARD  
4300 ALMONASTER AVE  
NEW ORLEANS, LA.

PROJECT  
CARTER G. WOODSON MIDDLE SCHOOL  
RE-ROOFING & MECHANICAL REPAIRS

DRAWN  
JV  
CHECKED  
MK  
DATE  
4-21-97  
SCALE  
AS NOTED  
JOB NO.  
SHEET  
ME-19  
OF 22 SHEETS