

## AIR HANDLING UNIT (AHU) SCHEDULE

| Mark   | LOCATION | SERVES          | MODEL            | ZONES | AIRFLOW<br>(CFM) | OA (CFM) | SUPPLY FAN    |               |     |     | ELECTRICAL |       |       | NOTES |
|--------|----------|-----------------|------------------|-------|------------------|----------|---------------|---------------|-----|-----|------------|-------|-------|-------|
|        |          |                 |                  |       |                  |          | ESP (IN. WG.) | TSP (IN. WG.) | FLA | MCA | VOLTAGE    | HERTZ | PHASE |       |
| AHU-1  | 24       | 24,25,26,27,28  | AHU-I-03-H-MZ-TB | 2     | 2900             | 1580     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-2  | 113      | 111,113,115     | AHU-I-03-H-MZ-TB | 3     | 3360             | 1715     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-3  | 182/183  | 180,182,183,184 | AHU-I-03-H-MZ-TB | 4     | 3340             | 1750     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-4  | 189/190  | 132,133,189,190 | AHU-I-03-H-MZ-TB | 4     | 3340             | 1750     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-5  | 166/167  | 165,166,167,171 | AHU-I-03-H-MZ-TB | 4     | 3340             | 1740     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-6  | 186/187  | 185,186,187,188 | AHU-I-03-H-MZ-TB | 4     | 3340             | 1740     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-7  | 176      | 105,106,175,176 | AHU-I-03-H-MZ-TB | 3     | 3140             | 1585     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-8  | 211/213  | 209,211,213,215 | AHU-I-03-H-MZ-TB | 4     | 3340             | 1720     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-9  | 272/273  | 271,272,273,274 | AHU-I-03-H-MZ-TB | 4     | 3340             | 1725     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-10 | 210/212  | 208,210,212,214 | AHU-I-03-H-MZ-TB | 4     | 3340             | 1720     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-11 | 226/228  | 224,226,228,230 | AHU-I-03-H-MZ-TB | 4     | 3340             | 1740     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-12 | 239      | 235,239,241     | AHU-I-03-H-MZ-TB | 3     | 3100             | 1485     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |
| AHU-13 | 238      | 234,236,238,240 | AHU-I-03-H-MZ-TB | 3     | 2960             | 1630     | 0.6           | 1.65          | 4   | 5   | 208        | 60    | 3     | 1,2   |

NOTES:

1. DESIGN BASIS: ANNEX AIR.
2. PROVIDE MANUFACTURERS COMBINATION STARTER.

## FAN (F) SCHEDULE

| Mark    | MANUFACTURER | MODEL         | Serves        | AIRFLOW<br>(CFM) | SONES | FAN DATA    |        |           |       |     | ELECTRICAL |       | NOTES |
|---------|--------------|---------------|---------------|------------------|-------|-------------|--------|-----------|-------|-----|------------|-------|-------|
|         |              |               |               |                  |       | ESP (IN WG) | DRIVE  | MOTOR RPM | BHP   | HP  | VOLTAGE    | PHASE |       |
| EF-1HS  | LOREN COOK   | 195SQN-B      | AHU-1         | 2900             | 7.6   | 0.25        | BELT   | 711       | 0.355 | 1/2 | 208        | 3     | 2,3,4 |
| EF-2HS  | LOREN COOK   | 245CA4SWSI    | ROOMS 35-39   | 3500             | 5     | 0.5         | BELT   | 1553      | 0.332 | 3/4 | 208        | 3     | 2,3,4 |
| EF-3HS  | LOREN COOK   | 70C17DEC      | S101          | 50               | 3.3   | 0.25        | DIRECT | 1267      | 0.013 | 1/6 | 120        | 1     | 1     |
| EF-4HS  | LOREN COOK   | 245ACEB       | AHU-2         | 3360             | 5.7   | 0.33        | BELT   | 491       | 0.406 | 1/2 | 208        | 3     | 2,3,4 |
| EF-5HS  | LOREN COOK   | 245ACEB       | AHU-8         | 3340             | 5.7   | 0.33        | BELT   | 490       | 0.405 | 1/2 | 208        | 3     | 2,3,4 |
| EF-6HS  | LOREN COOK   | 245ACEB       | AHU-3         | 3340             | 5.7   | 0.33        | BELT   | 490       | 0.405 | 1/2 | 208        | 3     | 2,3,4 |
| EF-7HS  | LOREN COOK   | 245ACEB       | AHU-9         | 3340             | 5.7   | 0.33        | BELT   | 490       | 0.405 | 1/2 | 208        | 3     | 2,3,4 |
| EF-8HS  | LOREN COOK   | 245ACEB       | AHU-6         | 3340             | 5.7   | 0.33        | BELT   | 490       | 0.405 | 1/2 | 208        | 3     | 2,3,4 |
| EF-9HS  | LOREN COOK   | 245ACEB       | AHU-12        | 3100             | 5.2   | 0.33        | BELT   | 475       | 0.367 | 1/2 | 208        | 3     | 2,3,4 |
| EF-10HS | LOREN COOK   | 245ACEB       | AHU-4         | 3340             | 5.7   | 0.33        | BELT   | 490       | 0.405 | 1/2 | 208        | 3     | 2,3,4 |
| EF-11HS | LOREN COOK   | 245ACEB       | AHU-10        | 3340             | 5.7   | 0.33        | BELT   | 490       | 0.405 | 1/2 | 208        | 3     | 2,3,4 |
| EF-12HS | LOREN COOK   | 245ACEB       | AHU-5         | 3340             | 5.7   | 0.33        | BELT   | 490       | 0.405 | 1/2 | 208        | 3     | 2,3,4 |
| EF-13HS | LOREN COOK   | 245ACEB       | AHU-11        | 3340             | 5.7   | 0.33        | BELT   | 490       | 0.405 | 1/2 | 208        | 3     | 2,3,4 |
| EF-14HS | LOREN COOK   | 245ACEB       | AHU-7         | 3140             | 5.3   | 0.33        | BELT   | 478       | 0.374 | 1/2 | 208        | 3     | 2,3,4 |
| EF-15HS | LOREN COOK   | 245ACEB       | AHU-13        | 2960             | 5.0   | 0.33        | BELT   | 468       | 0.349 | 1/2 | 208        | 3     | 2,3,4 |
| EF-16HS | LOREN COOK   | ACRUD-101R17D | CHEM HOOD 235 | 870              | 11.4  | 0.23        | DIRECT | 1725      | .147  | 1/6 | 120        | 1     | 2,4,5 |
| EF-17HS | LOREN COOK   | ACRUD-101R17D | CHEM HOOD 239 | 870              | 11.4  | 0.23        | DIRECT | 1725      | 0.147 | 1/6 | 120        | 1     | 2,4,5 |
| EF-18HS | LOREN COOK   | 330 ACEB      | ROOMS 242-244 | 5300             | 7.7   | 0.5         | BELT   | 410       | 0.91  | 1   | 208        | 3     | 2,3,4 |

NOTES:

1. PROVIDE MANUFACTURERS COMBINATION STARTER.
2. PROVIDE WITH MANUFACTURERS STANDARD 12" HIGH, INSULATED ROOF CURB
3. PROVIDE WITH VARIABLE SPEED DRIVE.
4. PROVIDE WITH MANUFACTURERS STANDARD DISCONNECT SWITCH.
5. FAN TO BE WIRED THROUGH MANUAL STARTER ON LAB HOOD

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**TETRA TECH**  
ARCHITECTS & ENGINEERS

**Tetra Tech Engineers, Architects & Landscape Architects, P.C.**

Mahopac Central School District

# Mahopac High School

Air Handling Unit (AHU)/Fan (F) Schedule