

EXHAUST FAN SCHEDULE

| MARK | AREA SERVED | TYPE | CFM | STATIC PRESSURE (IN. WG) | FAN RPM | SONES (MAX) | DRIVE | ELECTRICAL | | | | | | | | DESIGN STANDARD | MANUFACTURER/MODEL NUMBER | NOTES |
|--------------------|-----------------------|---------------|------|--------------------------|---------|-------------|--------|------------|-------------|-------|--------------|--------------|----------|--------------|--------------|---------------------|----------------------------|-------|
| | | | | | | | | STARTER | | | | DISCONNECT | | | | | | |
| | | | | | | | | HP | VOLTS/PH/HZ | TYPE | FURNISHED BY | INSTALLED BY | TYPE | FURNISHED BY | INSTALLED BY | | | |
| EF-1 | BOYS LOCKER 029 | ROOF CENTRIF. | 600 | 0.50 | 1535 | 9.1 | DIRECT | 1/6 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK G-095-VG | | |
| EF-2 | STORAGE 027A | ROOF CENTRIF. | 150 | 0.30 | 1161 | 4.9 | DIRECT | 1/10 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK G-080-VG | | |
| EF-3 | LOCKERS, GANG TOILETS | ROOF CENTRIF. | 1325 | 1.0 | 1575 | 13.0 | DIRECT | 1/2 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK G-123-VG | | |
| EF-4 | TOILET ROOMS | ROOF CENTRIF. | 225 | 0.5 | 1541 | 7.5 | DIRECT | 1/10 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK G-080-VG | | |
| EF-5 | TOILET ROOMS | ROOF CENTRIF. | 600 | 0.875 | 1521 | 9.4 | DIRECT | 1/4 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK G-099-VG | | |
| EF-6 | PREP ROOMS | ROOF CENTRIF. | 600 | 0.75 | 1671 | 10.4 | DIRECT | 1/4 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK G-098-VG | | |
| EF-7 | BASEMENT RELIEF | INLINE | 800 | 0.75 | 1372 | 7.4 | DIRECT | 3/4 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK SQ-130-VG | PROVIDE PERFORMANCE BAFFLE | |
| EF-2 (REPLACEMENT) | TOILET ROOMS | ROOF CENTRIF. | 900 | 1.00 | 1520 | 13.1 | DIRECT | 1/2 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK G-133-VG | PROVIDE PERFORMANCE BAFFLE | |
| RF-3 | CLASSROOM 112 RELIEF | ROOF CENTRIF. | 550 | 0.75 | 1605 | 9.6 | DIRECT | 1/4 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK G-098-VG | | |
| RF-5 | CLASSROOM 211 RELIEF | ROOF CENTRIF. | 660 | 0.50 | 1632 | 10.5 | DIRECT | 1/4 | 120/1/60 | RELAY | MC | MC | BUILT-IN | MC | MC | GREENHECK G-098-VG | | |

BLOWER COIL SCHEDULE

| MARK | LOCATION | SERVICE | CONFIGURATION | MINIMUM OA CFM | TOTAL CFM | STATIC PRESSURE | | FAN TYPE | SUPPLY FAN MOTOR | | HEATING COIL TAG | COOLING COIL TAG | ELECTRICAL | | | DESIGN BASIS |
|------|----------|----------|---------------|----------------|-----------|-------------------|----------------|----------|------------------|-------------|------------------|------------------|------------------|----|----|--------------|
| | | | | | | EXTERNAL (IN. WG) | TOTAL (IN. WG) | | HP | VOLTS/PH/HZ | | | MOTOR CONTROLLER | | | |
| | | | | | | TYPE | FURNISHED BY | | INSTALLED BY | | | | | | | |
| BC-1 | CORRIDOR | CORRIDOR | HORIZONTAL | 800 | 2200 | 1.5 | 1.9 | FC | 1 1/2 | 208/3/60 | HC-1 | CC-1 | COMB | MC | EC | TRANE BCXD |

NOTES:
1. PROVIDE ANGLE FILTER / MIXING BOX
2. 9.5 MCA, 15.0A FUSE SIZE

CABINET UNIT HEATER SCHEDULE

| MARK | LOCATION | TYPE | FAN CFM (LOW SPEED) | TOTAL CAPACITY (MBH) | HEATING COIL | | | | | | MOTOR | | ENCLOSURE STYLE |
|--------|-----------------------|------------------|---------------------|----------------------|--------------|----------|------------|----------|----------|-----|-------|-------------|---|
| | | | | | AIR SIDE | | WATER SIDE | | | | HP | VOLTS/PH/HZ | |
| | | | | | EAT (°F) | LAT (°F) | EWT (°F) | LWT (°F) | WPD (FT) | GPM | | | |
| CUH-1 | AUDITORIUM VESTIBULE | RECESSED-CEILING | 335 | 34.0 | 60 | 154 | 180 | 160 | 1.4 | 4.0 | 1/10 | 120/1/60 | FULL RECESS, DOWNFLOW SUPPLY AND RETURN, 2 ROW COIL |
| CUH-2 | BOYS LOCKER ROOM 029 | RECESSED-CEILING | 265 | 26.4 | 60 | 152 | 180 | 160 | 0.8 | 3.0 | 1/15 | 120/1/60 | FULL CEILING RECESS, BOTTOM SUPPLY AND RETURN, 2 ROW COIL |
| CUH-3 | AUDITORIUM VESTIBULE | RECESSED-CEILING | 335 | 34.0 | 60 | 154 | 180 | 160 | 1.4 | 4.0 | 1/10 | 120/1/60 | FULL RECESS, DOWNFLOW SUPPLY AND RETURN, 2 ROW COIL |
| CUH-4 | MAIN GYM VESTIBULE | RECESSED-CEILING | 335 | 34.0 | 60 | 154 | 180 | 160 | 1.4 | 4.0 | 1/10 | 120/1/60 | FULL CEILING RECESS, DOWNFLOW SUPPLY AND RETURN, 2 ROW COIL |
| CUH-5 | MAIN GYM VESTIBULE | RECESSED-CEILING | 335 | 34.0 | 60 | 154 | 180 | 160 | 1.4 | 4.0 | 1/10 | 120/1/60 | FULL CEILING RECESS, DOWNFLOW SUPPLY AND RETURN, 2 ROW COIL |
| CUH-6 | STAIR 020 VESTIBULE | RECESSED-WALL | 335 | 34.0 | 60 | 154 | 180 | 160 | 1.4 | 4.0 | 1/10 | 120/1/60 | FULL RECESS, FRONT SUPPLY AND RETURN, 2 ROW COIL |
| CUH-7 | MENS TOILET 011 | RECESSED-WALL | 265 | 26.4 | 60 | 152 | 180 | 160 | 0.8 | 3.0 | 1/15 | 120/1/60 | FULL RECESS, FRONT SUPPLY AND RETURN, 2 ROW COIL |
| CUH-8 | WOMENS TOILET 006 | RECESSED-WALL | 265 | 26.4 | 60 | 152 | 180 | 160 | 0.8 | 3.0 | 1/15 | 120/1/60 | FULL RECESS, FRONT SUPPLY AND RETURN, 2 ROW COIL |
| CUH-9 | TOILET FIRST 107 | RECESSED-WALL | 265 | 26.4 | 60 | 152 | 180 | 160 | 0.8 | 3.0 | 1/15 | 120/1/60 | FULL RECESS, FRONT SUPPLY AND RETURN, 2 ROW COIL |
| CUH-10 | TOILET SECOND 206 | RECESSED-WALL | 265 | 26.4 | 60 | 152 | 180 | 160 | 0.8 | 3.0 | 1/15 | 120/1/60 | FULL RECESS, FRONT SUPPLY AND RETURN, 2 ROW COIL |
| CUH-11 | FIRST FLR CORRIDOR | RECESSED-CEILING | 265 | 26.4 | 60 | 152 | 180 | 160 | 0.8 | 3.0 | 1/15 | 120/1/60 | FULL CEILING RECESS, BOTTOM SUPPLY AND RETURN, 2 ROW COIL |
| CUH-12 | SECOND FLOOR CORRIDOR | RECESSED-CEILING | 265 | 26.4 | 60 | 152 | 180 | 160 | 0.8 | 3.0 | 1/15 | 120/1/60 | FULL CEILING RECESS, BOTTOM SUPPLY AND RETURN, 2 ROW COIL |
| CUH-13 | AUDITORIUM VESTIBULE | RECESSED-CEILING | 335 | 34.0 | 60 | 154 | 180 | 160 | 1.4 | 4.0 | 1/10 | 120/1/60 | FULL RECESS, DOWNFLOW SUPPLY AND RETURN, 2 ROW COIL |

COIL SCHEDULE

| MARK | SYSTEM | TYPE | MBH TOTAL/SENS | CFM | FV | APD | EAT DB/WB (°F) | LAT DB (°F) | FLUID SIDE-HEATING | | | | | | REMARKS | |
|------|--------|------------|----------------|------|-----|------|----------------|-------------|--------------------|------|-----|-----|-----|-----|---------|-------|
| | | | | | | | | | FLUID | GPM | EWT | LWT | WPD | SST | | LT |
| | | | | | | | | | | | | | | | | |
| HC-1 | BC-1 | HORIZONTAL | 133 | 2200 | 500 | 0.08 | 43 | 98.6 | WATER | 13.3 | 180 | 160 | 2.1 | - | - | 1 ROW |
| CC-1 | BC-1 | HORIZONTAL | 64/57 | 2200 | 500 | 0.22 | 79/64 | 54.4 | DX | | | | | | | 3 ROW |

ELECTRIC UNIT HEATER SCHEDULE

| TAG | SERVICE | KW | CFM | NO. OF ELEMENTS | TOTAL AMPS | V | PHASE | BTUH | BASIS OF DESIGN |
|-----|---------|-----|-----|-----------------|------------|-----|-------|--------|-----------------|
| EUH | UTILITY | 3.0 | 380 | 1 | - | 208 | 1 Ø | 10,200 | MODINE HER30 |

NOTES:
1. PROVIDE UNIT MOUNTED DISCONNECT SWITCH.

UNIT HEATER SCHEDULE

| MARK | LOCATION | TYPE | FAN CFM | TOTAL CAPACITY (MBH) | HEATING COIL | | | | | | MOTOR | | ENCLOSURE STYLE |
|------|---------------|------------|---------|----------------------|--------------|----------|------------|----------|----------|-----|-------|-------------|------------------|
| | | | | | AIR SIDE | | WATER SIDE | | | | HP | VOLTS/PH/HZ | |
| | | | | | EAT (°F) | LAT (°F) | EWT (°F) | LWT (°F) | WPD (FT) | GPM | | | |
| UH-1 | STORAGE 026A | HORIZONTAL | 500 | 15.7 | 60 | 94 | 180 | 160 | 2.2 | 1.9 | 16W | 120/1/60 | HORIZONTAL THROW |
| UH-2 | STORAGE 026B | HORIZONTAL | 500 | 15.7 | 60 | 94 | 180 | 160 | 2.2 | 1.9 | 16W | 120/1/60 | HORIZONTAL THROW |
| UH-3 | SPRINKLER OXX | HORIZONTAL | 500 | 15.7 | 60 | 94 | 180 | 160 | 2.2 | 1.9 | 16W | 120/1/60 | HORIZONTAL THROW |

UNIT VENTILATOR SCHEDULE

| MARK | TYPE | TOTAL CFM | OA CFM MAX | EXTERNAL S.P. (°WC) | HEATING HOT WATER COIL | | | | | | COOLING | | | | | | ELECTRICAL | UNIT DIMENSIONS | CONFIGURATION | DESIGN STANDARD DESIGN/MODEL | REMARKS | | | | | | |
|------|--------------------|-----------|------------|---------------------|------------------------|------|------------|----------|------|---------------|-------------|----------|------|-----------|-----------|-----------|------------|-----------------|---------------|------------------------------|---------|-----------|-------------------------------------|------------------------|------------------------|----------------|--|
| | | | | | FUIDL | MBH | FLUID SIDE | | | AIR SIDE | | | TYPE | TOTAL MBH | SENS. MBH | DB EAT °F | | | | | | WB LAT °F | REFRIG TYPE | OUTDOOR DESIGN TEMP °F | | | |
| | | | | | | | EWT (°F) | LWT (°F) | GPM | MAX. WPD (FT) | M.A.T. (°F) | LAT (°F) | | | | | | | | | | | | | | | |
| UV-1 | VERTICAL | 1450 | 925 | 0.5 | WATER | 94.9 | 180 | 158 | 9.0 | 3.9 | 38 | 98 | DX | 44.5 | 36.5 | 84.0 | 68.6 | R410-A | 95 | 208/3/60 | 30/40 | 44x30x93 | FLOOR STANDING VERTICAL/REAR LOUVER | TEMSPEC VHC-48 | | | |
| UV-2 | VERTICAL | 1450 | 945 | 0.5 | WATER | 94.9 | 180 | 158 | 9.0 | 3.9 | 38 | 98 | DX | 44.5 | 36.5 | 84.0 | 68.6 | R410-A | 95 | 208/3/60 | 30/40 | 44x30x93 | FLOOR STANDING VERTICAL/REAR LOUVER | TEMSPEC VHC-48 | | | |
| UV-3 | FLOOR | 750 | 300 | - | WATER | 49.0 | 180 | 157 | 4.25 | 2.78 | 40 | 100 | - | - | - | - | - | - | - | - | - | 120/1/60 | 6.3/15 | 62x22x30 | FLOOR STANDING CABINET | DAIKIN UAVS-07 | |
| UV-4 | VERTICAL | 1450 | 925 | 0.5 | WATER | 94.9 | 180 | 158 | 9.0 | 3.9 | 38 | 98 | DX | 44.5 | 36.5 | 84.0 | 68.6 | R410-A | 95 | 208/3/60 | 30/40 | 44x30x93 | FLOOR STANDING VERTICAL/REAR LOUVER | TEMSPEC VHC-48 | | | |
| UV-5 | VERTICAL | 1450 | 945 | 0.5 | WATER | 94.9 | 180 | 158 | 9.0 | 3.9 | 38 | 98 | DX | 44.5 | 36.5 | 84.0 | 68.6 | R410-A | 95 | 208/3/60 | 30/40 | 44x30x93 | FLOOR STANDING VERTICAL/REAR LOUVER | TEMSPEC VHC-48 | | | |
| UV-6 | FLOOR | 750 | 300 | - | WATER | 49.0 | 180 | 157 | 4.25 | 2.78 | 40 | 100 | - | - | - | - | - | - | - | - | - | 120/1/60 | 6.3/15 | 62x22x30 | FLOOR STANDING CABINET | DAIKIN UAVS-07 | |
| UV-7 | VERTICAL | 1000 | 400 | 0.5 | WATER | 108 | 180 | 140 | 5.5 | 5.3 | 23 | 106 | DX | 42 | 38 | 80 | 67 | R410-A | 95 | 208/3/60 | 30/40 | 44x30x93 | FLOOR STANDING VERTICAL/REAR LOUVER | TEMSPEC VHC-48 | | | |
| UV-8 | CEILING HORIZONTAL | 750 | 100 | 0.25 | WATER | 45.2 | 180 | 145 | 2.5 | 1.0 | 50 | 103 | - | - | - | - | - | - | - | - | - | 120/1/60 | 6.3/15 | 76x39x16 | CEILING CABINET | DAIKIN UAHF10 | FRONT SA GRILLE, BOTTOM RA GRILLE, REAR OA DUCT COLLAR |

ACCESSORIES UV-1/UV-2/UV-4/UV-5/UV-7: TOP EXTENSION DUCT SHROUD, REAR PLENUM, TOP DUCT SUPPLY, POWER EXHAUST

NJ Certificate of Authorization
 Eng'r. No. 24629837500
 Arch. No. 21AC00912400
 Date 01/15/2018
 Checked
 Drawn

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Revisions:

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HVAC SCHEDULES
 ADDITION TO WOODBRIDGE MIDDLE SCHOOL
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 WOODBRIDGE, NJ 07095

Job No. 2.20211.07
 File No. -
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