

REGISTER, GRILLE AND DIFFUSER SCHEDULE

| UNIT MARK | MFR. & MODEL* | REMARKS |
|-----------|-------------------------------------|---|
| CD-1 | KRUEGER MODEL SHPC KRUEGER 5S85H | FULL LOUVER FACE WITH TYPE 23 FRAME 18x18 TO ROUND DUCT COLLAR AND OPPOSED BLADE DAMPER |
| SAR | KRUEGER MODEL 5885V | DOUBLE REFLECTION SUPPLY GRILLE WITH OPPOSED BLADE DAMPER. FULLY ADJUSTABLE. |
| SAR -1 | KRUEGER MODEL 5885H | DOUBLE REFLECTION SUPPLY GRILLE WITH OPPOSED BLADE DAMPER. FULLY ADJUSTABLE. ALUMINUM |
| RAG-EAG | KRUEGER 5S85H | LOUVERED FACE RETURN AIR GRILLE WITH, SIZE AS INDICATED ON PLANS, FRAME STYLE AS REQUIRED. |
| RAG-1 | KRUEGER 5S85H | ALUMINUM LOUVERED FACE RETURN AIR GRILLE WITH, SIZE AS INDICATED ON PLANS, FRAME STYLE AS REQUIRED. |
| TFHC | THERMAFUSER | AUTO CHANGE OVER VAV HEATING COOLING CEILING DIFFUSER |
| LD-1 | KRUEGER SERIES 1910 | LINEAR SLOT DIFFUSER WITH 1" SLOTS, AND FRAME STYLE C SURFACE MOUNTED |

NOTES: -FD DENOTES FIRE DAMPER OR CEILING RADIATION DAMPERS.
CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING W/ ARCHITECTURAL REFLECTED CEILING PLAN AND FURNISHED FRAME STYLES AS REQUIRED.

HEATING AND AIR CONDITIONING SCHEDULE

| AIR HANDLING UNIT | | | | | | | | | | | CONDENSING UNIT | | | | | |
|-------------------|-----------------|------------|------------|---------------|------------------|----------|----------|-------|---------------|---------|---------------------------|-------------------|----------------|--------------|----------|--|
| UNIT MARK | MFR. & MODEL | DESIGN CFM | Q.S.A. CFM | TOTAL COOLING | SENSIBLE COOLING | E. S. P. | VOLTAGE | H. P. | ELEC. KW | HT. MCA | MFG & MODEL | M. C. A. M. O. P. | COMP. R. L. A. | FAN F. L. A. | VOTAGE | REMARKS |
| AHU-1 | TRANE 2TEC3048A | 1200 | 220 | 35,000 | 25,800 | .8" | 208/3/60 | 1/2 | 11.53 | 44 | CU-1 TRANE 2TTA3036A3 | 15/25 | 9.6 | 1.4 | 208/3/60 | COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT. |
| AHU-2 | TRANE 2TEC3060A | 1800 | 435 | 59,000 | 43,000 | .7" | 208/3/60 | 1 | 17 | 69 | CU-2 TRANE 2TTA3060A3 | 27/45 | 17.3 | 1.2 | 208/3/60 | COMPLETE W/ WALL MOUNTED 2-STAGE HTS. T'STAT WITH TIME DELAY AND HARD START KIT. |
| AHU-3 | TRANE 2TEC3060A | 1800 | 600 | 59,000 | 43,000 | .7" | 208/1/60 | 1 | 14.42 2-STAGE | 39/52 | CU-3 TRANE 2TTA3060A3 | 27/45 | 17.3 | 1.2 | 208/3/60 | COMPLETE W/ WALL MOUNTED 2-STAGE HTS. T'STAT WITH TIME DELAY AND HARD START KIT. |
| AHU-4 | TRANE 2TEC3030A | 800 | -- | 22,400 | 17,300 | .5" | 208/3/60 | 1/3 | 5.76 | 28 | CU-4 TRANE 2TTB3024A1 | 11/20 | 8.7 | 0.9 | 208/1/60 | COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT. |
| AHU-5 | TRANE 2TEC3048A | 1400 | 400 | 42,500 | 32,400 | .7" | 208/3/60 | 1/2 | 11.53 | 44 | CU-5 TRANE 2TTA3042A3 | 18/30 | 9.6 | 1.4 | 208/3/60 | COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT. |
| AHU-6 | TRANE 2TEC3036A | 1000 | 200 | 27,600 | 21,600 | .6" | 208/1/60 | 1/3 | 7.2 | 45 | CU-6 TRANE 2TTA3030A3 | 13/20 | 6.8 | 0.7 | 208/3/60 | COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT. |
| AHU-7 AHU-8 | TRANE 2TEC3018A | 800 | 70 | 17,300 | 13,300 | .2" | 240/1/60 | 1/6 | 5.0 | 30 | CU-7 & 8 TRANE 2TTB3024A1 | 11/20 | 5.8 | 0.6 | 208/1/60 | COMPLETE W/ WALL MOUNTED T'STAT WITH TIME DELAY AND HARD START KIT. |

- NOTES:
- CONTRACTOR SHALL EXAMINE AND COORDINATE WITH ALL COMPONENTS OF BUILDING CONSTRUCTION PRIOR TO LOCATING AND SETTING OF H.V.A.C. EQUIPMENT AND NOTIFY ARCHITECT OF ANY CONFLICT.
 - ALL AHU'S RATED 2000 CFM OR GREATER SHALL HAVE SMOKE DETECTORS IN THE RETURN AIR DUCT TO SOUND FIRE ALARM AND SHUT DOWN UNIT.

PTAC AIR CONDITIONER SCHEDULE

| MARK | TOTAL CFM | Q. S. A. CFM | COOLING COIL DATA | | | ELECTRIC HEATER | | | ELECTRICAL DATA (MCA) | EER | MAX FUSE | REMARKS | COMMENTS |
|--------|-----------|--------------|-------------------|-------|----------------|-----------------|------|----------|-----------------------|------|----------|---------------------|----------|
| | | | ENT. AIR DB F | WIB F | TOTAL CAPACITY | AMB | KW | VOLTAGE | | | | | |
| PTAC | 270 | 80 | 80°F | 67°F | 9,000 | 95°F | 2.09 | 208/1/60 | 10.0 208/1/60 | 12.0 | 15 AMPS | G.E. MODEL AZ38H09D | |
| PTAC-1 | 310 | 80 | 80°F | 67°F | 14,300 | 95°F | 4.09 | 208/1/60 | 19.7 208/1/60 | 10.2 | 30 AMPS | G.E. MODEL AZ38H14D | |
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- NOTES:
- ACCESSORIES:
- ELECTRICAL SUBBASE
 - CONDENSATION EVAPORATION SYSTEM AND SECONDARY DRAIN KIT, EXTEND AND CONNECT TO DRAIN PIPE PROVIDED BY PLUMBER, COORDINATE WITH PLUMBER
 - CONTROLS SHALL PREVENT OPERATION OF COMPRESSOR AND ELECTRIC HEAT AT THE SAME TIME
 - ARCHITECTURAL DECORATIVE LOUVER, AS MANUFACTURED BY RELIABLE PRODUCTS; LOUVERS SHALL BE CONSTRUCTED OF ALUMINUM WITH CUSTOM FINISH AS DIRECTED BY THE ARCHITECT
 - REMOTE MOUNTED THERMOSTAT, EQUAL TO INNOCOM MODEL E4-SMART DIGITAL THERMOSTAT. REMOTE THERMOSTAT DOES NOT REQUIRE CONDUIT.
 - SHIP WITH CONTROL KNOTS REMOVED AND COVER PLATE WITH WRITTEN INSTRUCTION TO USE WALL THERMOSTATS.

ROOFTOP MAKEUP AIR UNIT SCHEDULE

| MARK | MFR. & MODEL | TOTAL CFM | TOTAL COOLING | SENSIBLE COOLING MBH | HEATING INPUT KW | E. S. P. | H. P. | FRPM | VOLTAGE | MCA | MOP | WT | NOTES |
|-----------|--------------------------|-----------|---------------|----------------------|------------------|----------|-------|------|---------|-----|-----|------|-------|
| RTU-1,2,3 | AAON-RM-010-8-0-AA02-334 | 1300 | 128 | 59 | 180 | .5" | 1.0 | 1750 | 208/3 | 49 | 60 | 1500 | 1 |
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- NOTES:
- PROVIDE 30" HIGH ROOF CURB, 100% OUTDOOR AIR DAMPER, TWO (2) SETS 2" FAR 30/30 FILTERS, 2 STAGE, 4 STAGE HEAT WITH STAINLESS STEEL HEAT EXCHANGER.
 - PROVIDE MODULATING HOT GAS BYPASS REHEAT COIL FOR DEHUMIDIFICATION, CONDENSER FAN CYCLING CONTROL, STAINLESS STEEL DRAIN PAN.
 - PROVIDE 5 YEAR COMPRESSOR WARRANTY, 25 YEAR HEAT EXCHANGER WARRANTY.
 - PROVIDE 120 VOLT RECEPTACLE, UNIT MOUNTED CONTROLS, PHASE MONITOR, DISCONNECT SWITCH, SMOKE DETECTOR FOR UNIT SHUT DOWN, LEAVING AIR THERMOSTAT, WALL MOUNTED THERMOSTAT AND DEHUMIDISTAT IN 4TH FLOOR CORRIDOR.

POOL UNIT SCHEDULE

| INDOOR UNIT | | | | | | | | | | | | | | | | |
|--------------|--------------------|-----------|-------------|----------|-----------------|---------|--------|--------------|------------------------|----------|----|-------|-----------|---------|----------------------|--------------------------|
| MARK | MFR. & MODEL | TOTAL CFM | Q. S. A CFM | E. S. P. | TEMP. /HUMIDITY | | | | UNIT MTD ELECTRIC HEAT | | | | COOLING | | | |
| | | | | | SPACE TEMP | MAX. RH | RM. RH | POOL SQ. FT. | POOL TEMP | VOLTAGE | KW | AMPS | COMP. QTY | REF CKT | NET SENSIBLE COOLING | MOT/STURE REMOVAL LBS/HR |
| PDU-1 | SERESCO NE-007-PV | 3400 | 350 | 1' | 80 | 50 | | 501 | 84 | 208/3/60 | 30 | 83.27 | 1 | 1 | 55,300 | 30 |
| | | | | | | | | | | | | | | | | |
| OUTDOOR UNIT | | | | | | | | | | | | | | | | |
| MARK | MFR. & MODEL | VOLTAGE | H. P. | UNIT MCA | UNIT MOP | | | | | | | | | | | |
| PDU-1 | SERESCO NC-010-012 | 208/3/60 | 1.5 | 6 | 15 | | | | | | | | | | | |
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POOL UNIT NOTES:

- THE HEAT EXCHANGER FOR THE POOL WATER HEATER SHALL BE COAXIAL.
- LINE SIZES: HOT GAS-¾", LIQUID-¾"
- REFRIGERANT (R-22) CHARGE (LBS.): FIELD CHARGE- 38" (BASED ON RUN OF 0-10 FT. VERTICAL & 40 FT. HORIZONTAL: TOTAL RUN NOT TO EXCEED 50 FT.)
- UNIT ORIENTATION SHALL BE "VERTICAL-FLOOR MOUNTED" WITH DIRECT DRIVE FAN, 5-YEAR WARRANTY ON THE COMPRESSOR AND 5-YEAR WARRANTY ON THE COILS.
- UNIT SHALL INCLUDE A MANUAL O/A DAMPER.
- CONTROL SEQUENCE:
UNIT SHALL HAVE A USER FRIENDLY ELECTRONIC CONTROL MONITOR WITH ROOM THERMOSTAT AND HUMIDITY CONTROL AND UNIT TROUBLE-SHOOTING CAPABILITY. CONTROL AND SERVICE POINTS MONITORED SHALL BE AIT TEMP, HUMIDITY, WATER TEMPS, REFRIGERANT H.I. AND LO PRESSURE, SENSOR FAILURES, LOW WATER FAULT, ANTISHORT-CYCLE CONTROL, AND COMMUNICATION FAULT. MONITORING SHALL BE ACCOMPLISHED BY PLACING ALL THE TEMP AND HUMIDITY SENSORS IN THE UNIT AND MONITORING WITH A DIGITAL DISPLAY CONTROLLER THAT IS UNIT MOUNTED--THE PANEL SHALL INCLUDE ALL SET POINTS FOR OPERATION. CONTROLLER SHALL BE CAPABLE OF UPDATING THRU A COMPUTER CONNECTION OR INTERNET CONNECTION. CONTROLLER SHALL BE CAPABLE OF MONITORING OVER AN INTERNET CONNECTION AT THE OPTION OF THE OWNER AT A LATER DATE.
- UNIT SHALL INCLUDE INTEGRAL ELECTRIC SPACE HEATING WITH SINGLE POINT CONNECTION.
- UNIT SHALL HAVE FACTORY TRAINED STARTUP SERVICE.
- INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

FAN SCHEDULE

| MARK | DESCRIPTION | ROOM SERVED |
|---------------------------------|---|-------------------------|
| EF-12,3,4 5,6,10,14,15,16,17 | GREENHECK MODEL G-80-G ROOF MOUNTED EXHAUST FAN, 300 CFM @ .375" ESP, 1/30 HP @ 120 V. COMPLETE W/ BIRDSCREEN, BACKDRAFT DAMPER, DISCONNECT, ROOF CURB AND VARIABLE SPEED CONTROLLER. | GUEST ROOM TOILETS |
| EF-7,8,9,11,12,13 | GREENHECK MODEL G-95-G ROOF MOUNTED EXHAUST FAN, 600 CFM @ .375" ESP, 1/12 HP @ 120 V. COMPLETE W/ BIRDSCREEN, BACKDRAFT DAMPER, DISCONNECT, ROOF CURB AND VARIABLE SPEED CONTROLLER. | GUEST ROOM TOILETS |
| EF-18 EF-19 | GREENHECK MODEL G-85-G ROOF MOUNTED EXHAUST FAN, 375 CFM @ .375" ESP, 1/30 HP @ 120 V. COMPLETE W/ BIRDSCREEN, BACKDRAFT DAMPER, DISCONNECT, ROOF CURB AND VARIABLE SPEED CONTROLLER. | GUEST ROOM TOILETS |
| EF-18 | GREENHECK MODEL SP-224 CEILING MOUNTED FAN, 175 CFM @ .375, 83 WATTS, 120 VOLTS. | FITNESS TOILETS/VENDING |
| EF-19 | GREENHECK MODEL SP-224 CEILING MOUNTED EXHAUST FAN, 220 CFM @ .125" SP, 83 WATTS @ 120 VOLT. | COMPUTER ROOM |
| EF-20 | GREENHECK MODEL SP-250 CEILING MOUNTED EXHAUST FAN, 405 CFM @ .125" SP, 121 WATTS @ 120 VOLT W/ T'STAT SET AT 90 DEGREES F. | ELECTRICAL ROOM |
| EF-21 | GREENHECK MODEL G-95-G ROOF MOUNTED EXHAUST FAN, 400 CFM @ .375" ESP, 1/12 HP @ 120 V. COMPLETE W/ BIRDSCREEN, BACKDRAFT DAMPER, DISCONNECT, ROOF CURB AND VARIABLE SPEED CONTROLLER. | PUBLIC TOILET |
| EF-22 | GREENHECK MODEL GW-95-G ROOF MOUNTED EXHAUST FAN, 400 CFM @ .375" ESP, 1/12 HP @ 120 V. COMPLETE W/ BIRDSCREEN, BACKDRAFT DAMPER, DISCONNECT, ROOF CURB AND VARIABLE SPEED CONTROLLER, INTERLOCK W/ PDU-1 W/ OVERRIDE SWITCH ON WALL OF POOL EQUIPMENT ROOM.. | |
| EF-GR | GREENHECK MODEL SP-7 CEILING MOUNTED FAN, 35 CFM @ .375" ESP, 80 WATTS, 120 V., WITH INTEGRAL GRILLE, DISCONNECT SWITCH. | EACH GUEST TOILET |

* ALL EXHAUST DUCT SHALL BE METAL DUCT. NO FLEX PERMITTED.

ELECTRIC HEATER SCHEDULE

| UNIT MARK | AREA SERVED | MANUF. MODEL # | INPUT HEAT CAPACITY | VOLTS/ PHASE | NOTES | COMMENTS |
|-----------|-------------|----------------|---------------------|--------------|-------|----------|
| EWB-1 | STORAGE | AWH-05 | 5 | 208/1 | 1 | |
| EBH-1 | STAIRS | BB-01 | 1 | 208/1 | 1 | |
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- NOTES:
- INTEGRAL THERMOSTAT AND DISCONNECT SWITCH.

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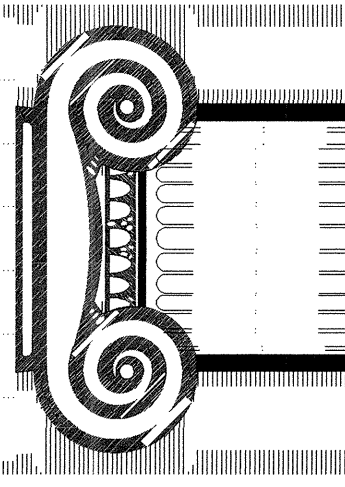
SHEET

M5.0

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DRAWN:

APPROVED:

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REVISIONS

JOB:

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98 UNITS
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