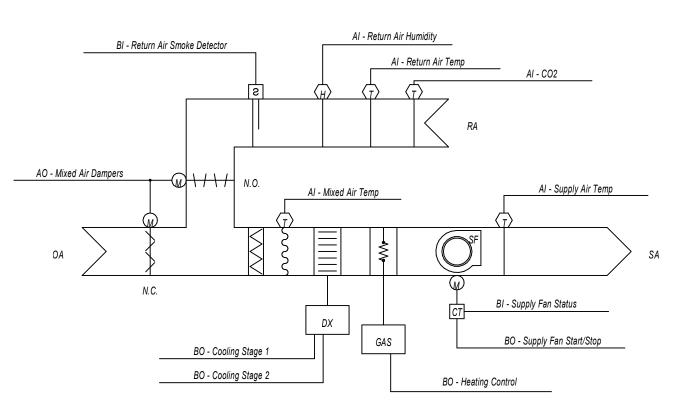
| | IDENTITY I | DATA | 1 | | | | | | | | ~~~! INI~ ~! | 111 DAT | Λ | | | | | OU DAT | T A | | | | CTDIC | AL DAT | A | | |
|------------------------|---------------------------|---|------------------------------|---|--|---|---|--|---|--|--|--|--|---|---|--|---|---|--|--|--|--|--|---|--|---|---|
| | | | AIR FLOW DATA | | | | | | | | | | | | HEATING COIL DATA | | | | | ELECTRICAL DATA | | | | A | | | |
| | | | | | | | | | | | | ENTER | RING L | .EAVING | 3 | | | | | | | | | | | | |
| | | | | FAN | DATA | | | | | | | AIF | ₹ | AIR | | | | | | | | | | | | | |
| | | | | | NEC | | O.A. | | | | | | | | | | | | | | | | | | | | |
| | MODEL | PRODUCT | FLOW | <i>,</i> | | | | E.S.P. | AMB. | TOTAL | SENSIBLE | D.B. | W.B. D | .B. W.I | B. FLOV | v | TOTAL | E.A.T. | $ \Delta T _L$ | .A.T. | | | F | LA MO | AMOC | P WEIGHT | |
| MANUFACTURER | NO. | DESCRIPTION | | HP | (A) | WATTS | (cfm) | (in-wg) | (°F) | (mBtu/h) | (mBtu/h) | (°F) | (°F) (° | °F) (°F | -) (cfm) | kW | (mBtu/h | (°F) | (°F) | (°F) | VOLTS | ø | HZ | (A) (A |) (A) | | REMARKS |
| | | | | | | | | | | | | | | - - | | | | | | | | | | | | , , | |
| LENNOX INDUSTRIES | CBX32MV-024/030-230-6-01 | SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS | 950 | 0.50 | 4.0 | 832 | 125 | 0.75 | 95 | 28.0 | 20.0 | 80 | 67 5 | 55 54 | 950 | 11.3 | 38.6 | 60 | 37.4 | 97 | 208 | 1 | 60 5 | 58.3 72 | 9 80 | 155 | NOTE 1 |
| | | | | 1 | | | | | | | | | | | | 1 | | | 1 - 1 - 1 | | | - | | | | | |
| PROVIDE WITH SINGLE PO | INT POWER CONNECTION, DIS | CONNECT SWITCH, AND DDC THERMOSTAT. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LENNOX INDUSTRIES | LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 | MANUFACTURER NO. DESCRIPTION | MANUFACTURER NO. DESCRIPTION (cfm) LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 | MODEL PRODUCT DESCRIPTION FLOW (cfm) HP LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 | MODEL PRODUCT DESCRIPTION FLOW (cfm) HP FLAM (A) LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 | MODEL PRODUCT DESCRIPTION FLOW (cfm) HP KA WATTS LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 | MODEL PRODUCT DESCRIPTION FLOW (cfm) HP (A) WATTS (CFM) LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 125 | MODEL PRODUCT PRODUCT DESCRIPTION FLOW (cfm) HP (A) WATTS (Cfm) (in-wg) LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 125 0.75 | MANUFACTURER MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (A) NEC FLA (A) O.A. FLOW (cfm) E.S.P. (in-wg) AMB. (°F) LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 125 0.75 95 | MANUFACTURER MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (A) NEC FLA (A) O.A. FLOW (cfm) E.S.P. (in-wg) AMB. (°F) TOTAL (mBtu/h) LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 125 0.75 95 28.0 | MANUFACTURER MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (A) NEC FLA (A) O.A. FLOW (cfm) E.S.P. (°F) AMB. (°F) TOTAL (mBtu/h) SENSIBLE (mBtu/h) LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 125 0.75 95 28.0 20.0 | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (A) NEC FLOW (cfm) O.A. (FLOW (in-wg) E.S.P. (in-wg) AMB. (°F) TOTAL (mBtu/h) SENSIBLE (mBtu/h) D.B. (°F) | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (A) NEC FLA (A) O.A. FLOW (cfm) E.S.P. (°F) AMB. (°F) TOTAL (mBtu/h) SENSIBLE (mBtu/h) D.B. (°F) W.B. (°F) (°F) | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (A) NEC FLA (A) O.A. FLOW (cfm) E.S.P. (°F) AMB. (°F) TOTAL (mBtu/h) SENSIBLE (mBtu/h) D.B. (°F) W.B. (°F) (°F) | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) HP NEC FLAW (A) NEC FLOW (cfm) O.A. FLOW (in-wg) E.S.P. (in-wg) AMB. (°F) TOTAL (mBtu/h) SENSIBLE (mBtu/h) D.B. (°F) W.B. (°F) W.B. (°F) W.B. (°F) W.B. (°F) PLOW (cfm) | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (A) NEC FLOW (cfm) O.A. (cfm) E.S.P. (cfm) AMB. (n-wg) TOTAL (mBtu/h) SENSIBLE (mBtu/h) D.B. (°F) W.B. (°F) PLOW (cfm) kW LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 125 0.75 95 28.0 20.0 80 67 55 54 950 11.3 | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) HP NEC FLAW (A) FLOW (cfm) E.S.P. (in-wg) AMB. (°F) TOTAL (mBtu/h) SENSIBLE (mBtu/h) D.B. (°F) W.B. (°F) U.B. (°F) W.B. (°F) HD MANUFACTURER LENNOX INDUSTRIES CBX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 125 0.75 95 28.0 20.0 80 67 55 54 950 11.3 38.6 | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) HP NEC FLOW (cfm) FLOW (mBtu/h) E.S.P. (mBtu/h) AMB. (mBtu/h) TOTAL (mBtu/h) SENSIBLE (mBtu/h) D.B. (mmtu/h) W.B. (mmtu/h) (mmtu/h | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) HP FLOW (cfm) NEC FLOW (cfm) FLOW (cfm) NEC (mBtu/h) FLOW (mBtu/h) NEC (mBtu/h) D.B. (mBtu/h) D.B. (mBtu/h) W.B. (mBtu/h) | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) HP NEC FLAW (A) O.A. FLOW (cfm) E.S.P. (in-wg) AMB. ("F) TOTAL (mBtu/h) SENSIBLE (mBtu/h) D.B. ("F) W.B. ("F) W.B. ("F) D.B. ("F) W.B. ("F) D.B. ("F) W.B. ("F) D.B. ("F) W.B. ("F) | MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) HP NEC FLA (A) WATTS O.A. FLOW (cfm) E.S.P. (cfm) AMB. (cfm) TOTAL (mBtu/h) SENSIBLE (mBtu/h) D.B. (cfm) W.B. (cfm) B.W. (cfm) W.B. (cfm) D.B. (cfm) W.B. (cfm) | MODEL NO. PRODUCT DESCRIPTION PRODUCT DESCRIPTION FLOW (cfm) NEC FLAW (cfm) O.A. FLOW (in-wg) E.S.P. ("F) AMB. ("F) TOTAL (mBtu/h) SENSIBLE ("F) D.B. ("F) W.B. ("F) B.W.B. ("F) B | MODEL NO. PRODUCT DESCRIPTION PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (cfm) O.A. FLOW (cfm) E.S.P. (cfm) AMB. (ref.) (mBtu/h) TOTAL (mBtu/h) B.B. (ref.) (ref.) (ref.) U.B. (ref.) (ref.) U.B. (ref.) (ref.) U.B. (ref.) (ref.) U.B. (ref.) </td <td>MODEL NO. PRODUCT DESCRIPTION PRODUCT (cfm) NEC FLA (m) O.A. FLOW (cfm) E.S.P. (m) AMB. (m) TOTAL (m) SENSIBLE (m) D.B. (m) W.B. (m)</td> <td>MANUFACTURER MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (mBtu/h) O.A. FLOW (cfm) V.B. (mBtu/h) V.B. (mBtu/h) U.B. (mBtu/h) U.B.</td> <td>MODEL NO. PRODUCT DESCRIPTION PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (mBtu/h) O.A. FLOW (cfm) University CEX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 125 0.75 95 28.0 20.0 80 67 55 54 950 11.3 38.6 60 37.4 97 208 1 60 58.3 72.9 80 155</td> | MODEL NO. PRODUCT DESCRIPTION PRODUCT (cfm) NEC FLA (m) O.A. FLOW (cfm) E.S.P. (m) AMB. (m) TOTAL (m) SENSIBLE (m) D.B. (m) W.B. (m) | MANUFACTURER MODEL NO. PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (mBtu/h) O.A. FLOW (cfm) V.B. (mBtu/h) V.B. (mBtu/h) U.B. | MODEL NO. PRODUCT DESCRIPTION PRODUCT DESCRIPTION FLOW (cfm) NEC FLA (mBtu/h) O.A. FLOW (cfm) University CEX32MV-024/030-230-6-01 SPLIT SYSTEM COOLING / ELECTRIC HEAT AIR HANDLING UNITS 950 0.50 4.0 832 125 0.75 95 28.0 20.0 80 67 55 54 950 11.3 38.6 60 37.4 97 208 1 60 58.3 72.9 80 155 |

| MODEL PRODUCT AMB. TOTAL MCA MOCP WEIGHT MARK # MANUFACTURER NO. DESCRIPTION (°F) (mBtu/h) EER REFR VOLTS Ø HZ (A) (A) (Ibs) RE |
|---|
| MARK # MANUFACTURER NO. DESCRIPTION (°F) (mBtu/h) EER REFR VOLTS Ø HZ (A) (A) (Ibs) RE |
| CU 100 LENNOX INDUSTRIES XC17-036-230-2 AIR-COOLED SPLIT SYSTEM COOLING CONDENSING UNITS 95 28.0 13.5 R-410A 208 1 60 20 30 285 N |

| | | | | | | EXHAU | ST FAN | SCHED | ULE | | | | | | | | | |
|------|-----|---------------------|----------|---|------------|---------|--------|---------|------------|--------|-------|-----|------|-----|-----|--------|---------------------|---------|
| | | | IDENTIT | Y DATA | Α | IR FLO | W DATA | 1 | | | ELE | CTR | ICAL | DAT | 4 | | | |
| | | | | | E . | .A. FAN | l | | | | | | | | | | | |
| | | | MODEL | PRODUCT | FLOW | | | E.S.P. | | | | | | FLA | MCA | WEIGHT | CONTROLS | |
| WARK | # | MANUFACTURER | NO. | DESCRIPTION | (cfm) | HP | RPM | (in-wg) | TYPE | DRIVE | VOLTS | Ø | HZ | (A) | (A) | (lbs) | NOTES | REMARKS |
| | | | | | | | | | | | | | | | | | | |
| EF 1 | 100 | GREENHECK FAN CORP. | G-099-VG | DIRECT DRIVE CENTRIFUGAL ROOF EXHAUST FAN | 1050 | 0.25 | 1558 | 0.25 | DOWN BLAST | DIRECT | 277 | 1 | 60 | 1.6 | 2.0 | 65 | LIGHTING, RE: ELEC. | NOTE 1 |
| EF 1 | 101 | GREENHECK FAN CORP. | G-070-VG | DIRECT DRIVE CENTRIFUGAL ROOF EXHAUST FAN | 325 | 0.17 | 1720 | 0.25 | DOWN BLAST | DIRECT | 277 | 1 | 60 | 1.5 | 1.9 | 45 | LIGHTING, RE: ELEC. | NOTE 1 |
| EF 1 | 102 | GREENHECK FAN CORP. | G-070-VG | DIRECT DRIVE CENTRIFUGAL ROOF EXHAUST FAN | 325 | 0.17 | 1720 | 0.25 | DOWN BLAST | DIRECT | 277 | 1 | 60 | 3.4 | 4.3 | 45 | LIGHTING, RE: ELEC. | NOTE 1 |
| | | | | DIRECT DRIVE CENTRIFUGAL ROOF EXHAUST FAN DOF CURB AND DISCONNECT SWITCH. | 325 | 0.17 | 1720 | 0.25 | DOWN BLAST | DIRECT | 277 | 1 | 60 | 3.4 | 4.3 | 45 | LIGHTING, RE: ELEC. | |

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|------|---------------------|----------------|---|--------------|--------------|------------------|--------|--------|
| MARK | MANUFACTURER | MODEL NO. | PRODUCT DESCRIPTION | FACE SIZE | NECK SIZE | MOUNTING TYPE | FINISH | REMARK |
| | | | | | | | | |
| SA | PRICE INDUSTRIES | HCD2 SERIES | HIGH CAPACITY DRUM LOUVER DIFFUSER | 32"x17" | 30"x15" | DUCT | WHITE | NOTE 1 |
| SB | PRICE INDUSTRIES | SCD SERIES | SQUARE CONE DIFFUSER | 24"x24" | 8"Ø | SURFACE | WHITE | |
| SC | PRICE INDUSTRIES | 520 SERIES | LOUVER FACE SUPPLY GRILLE | 10"x6" | 8"x4" | SURFACE | WHITE | NOTE 1 |
| SD | PRICE INDUSTRIES | SCD SERIES | SQUARE CONE DIFFUSER | 24"x24" | 6"Ø | T-BAR | WHITE | |
| RA | PRICE INDUSTRIES | 97 SERIES | HEAVY DUTY GYM GRILLES | 74"x18" | 72"x16" | SURFACE | WHITE | |
| RB | PRICE INDUSTRIES | 97 SERIES | HEAVY DUTY GYM GRILLES | 38"x14" | 36"x12" | SURFACE | WHITE | |
| RC | PRICE INDUSTRIES | 97 SERIES | HEAVY DUTY GYM GRILLES | 98"x18" | 96"x16" | SURFACE | WHITE | |
| RD | PRICE INDUSTRIES | PDDR SERIES | PERFORATED DROP FACE RETURN DIFFUSER | 24"x24" | 22"x22" | T-BAR | WHITE | |
| EΑ | PRICE INDUSTRIES | PDDR SERIES | PERFORATED DIFFUSERS | 24"x24" | 22"x22" | T-BAR | WHITE | |



ROOFTOP SEQUENCE OF OPERATION (RTU-100, RTU-101)

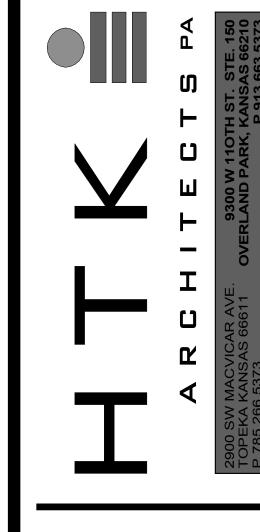
UNIT SHALL OPERATE BASED ON A TIME OF DAY SCHEDULE--OCCUPIED/UNOCCUPIED AS DEFINED BY OWNER.

UNOCCUPIED
UNIT SUPPLY FAN SHALL BE OFF, OUTSIDE AIR DAMPER SHALL BE CLOSED, HEATING AND COOLING SHALL BE OFF. IF
SPACE TEMPERATURE RISES ABOVE 78°F (OR DROPS BELOW 68°F) THE SPACE UNOCCUPIED SETPOINT THE UNIT SHALL
RUN ASS DESCRIBED BELOW TO SATISFY UNOCCUPIED SETPOINT EXCEPT THAT OUTSIDE AIR DAMPER SHALL BE

OCCUPIED UNIT SUPPLY FAN SHALL BE ON AND THE OUTSIDE AIR DAMPER SET TO THE MINIMUM POSITION. UPON A CALL FOR COOLING (ABOVE 74°F ADJ) THE CONDENSING UNIT STAGE TO SATISFY THE OCCUPIED COOLING SETPOINT. UPON A CALL FOR HEATING (BELOW 70°F ADJ) THE GAS HEATING VALVE SHALL MODULATE TO SATISFY THE OCCUPIED HEATING SETPOINT. CONDENSING UNIT SHALL BE OFF. CO2 RETURN SENSOR SHALL CONTROL THE POSITION OF THE OUTSIDE AIR DAMPER. THE OCCUPIED MAXIMUM AND MINIMUM POSITIONS SHALL BE SET FOR CFM INDICATED IN THE OUTSIDE AIR SCHEDULE. WHEN CO2 LEVELS EXCEED

1000PPM THE OUTSIDE AIR DAMPER SHALL BE FULLY OPENED UNTIL IT DROPS TO 600PPM. BETWEEN CO2 LEVELS OF 0-600 PPM OUTSIDE AIR DAMPER SHALL BE SET TO MINIMUM POSITION. UPON A CALL FOR DEHUMIDIFICATION, ABOVE 60% RELATIVE HUMIDITY, (ADJUSTABLE) THE HUMIDISTAT SHALL OVERRIDE COOLING CYCLE AND START THE UNIT DEHUMIDIIFCATION CYCLE. THE REHEAT SOLENOID VALVE SHALL DIVERT HOT GAS TO THE REHEAT COIL. THE REHEAT COILS SHALL PROVIDE 68°F-75°F SUPPLY AIR DURING DEHUMIDIFICATION.

UPON A CALL FOR ECONOMIZER MODE, OUTDOOR AIR ENTHALPY IS LESS THAN SETPOINT, CONDENSING UNIT SHALL BE OFF AND HEAT SHALL BE OFF. OUTDOOR AIR DAMPER SHALL MODULATE TO MAINTAIN COOLING SETPOINT. WHEN OUTDOOR AIR DAMPER ARE 50% OPEN (ADJUSTABLE) OR GREATER THE POWERED EXHAUST SHALL RUN. UNITS WITH ENERGY RECOVERY WHEELS SHALL PIVOT WHEEL OUT OF AIRSTREAM TO ALLOW FULL ECONOMIZER. DISCHARGE AIR TEMPERATURE SHALL BE TEMPERED WITH HEAT TO MAINTAIN A NEUTRAL (70°F) SUPPLY TEMPERATURE WHEN THE THERMOSTAT DOES NOT CALL FOR HEAT.





DATE: ● SEPTEMBER 2, 2014 REVISED DATE:

SIUM

YMNA

SHEET CONTENTS:

SCHEDULES

HTK PROJECT NUMBER:

■ 1307.04-002

M301 NOT FOR CONSTRUCTION

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