

| MECHANICAL LEGEND: | |
|---------------------------|---|
| <div>EF2</div> | EXHAUST FAN DESIGNATION |
| AHU1 | AIR HANDLING UNIT DESIGNATION (INDOOR HP) |
| <div>D1 250 8X8</div> | DIFFUSER DESIGNATION (TYPE, CFM, NECK SIZE) |
| <div>Ⓢ</div> | THERMOSTAT/HUMIDITY SENSOR |
| <div>↔ ⊠ ↔</div> | DIFFUSER, DIRECTION OF FLOW AS INDICATED |
| <div>◻</div> | RETURN AIR OUTLET |
| <div>◼</div> | EXHAUST AIR OUTLET |
| <div>↗ 20x8 ↖</div> | DUCT SIZE, FIRST NO. IS SIDE SHOWN |
| <div>⌈ — — ⌋</div> | MANUAL VOLUME DAMPER |
| <div>⌈ — — ⌋ Ⓜ</div> | MOTORIZED DAMPER |
| N.O. | NORMALLY OPEN |
| N.C. | NORMALLY CLOSED |
| OA | OUTSIDE AIR |
| SA | SUPPLY AIR |
| RA | RETURN AIR |
| EXH AIR | EXHAUST AIR |
| AFF | ABOVE FINISHED FLOOR |
| UNO | UNLESS NOTED OTHERWISE |
| AFG | ABOVE FINISHED GRADE |
| <div>➡ —○—</div> | PIPE DOWN |
| <div>➡ —○—</div> | PIPE UP |
| HP1 | OUTDOOR HEAT PUMP |
| — RS — | REFRIGERANT SUCTION |
| — RL — | REFRIGERANT LINE |
| — D — | CONDENSATE DRAIN |

| REGISTER, LOUVER & GRILLE SCHEDULE | | | | | |
|------------------------------------|---|-----------------|--------------|-------|--|
| MARK | TYPE | SERVICE | | BLOW | REMARKS/NOTES |
| D4 | SQUARE DIRECTIONAL LOUVER FACE CEILING DIFFUSER | SUPPLY | <div>⊠</div> | 4-WAY | WITH OBD. -LAY-IN CEILINGS PROVIDE 24"x24" ALUMINUM T-BAR LAY-IN FRAME |
| R1 | REGISTER FIXED ANGLED VANES LAY-IN TYPE | RETURN/ EXHAUST | | — | RETURN OR EXHAUST REGISTER AS INDICATED— 45° ANGLED VANES—ALUMINUM -LAY-IN CEILINGS PROVIDE 24"x24" ALUMINUM T-BAR LAY-IN FRAME -GYP BOARD CEILINGS PROVIDE FLUSH MOUNTED FRAME |
| R2 | REGISTER FIXED ANGLED VANES SURFACE MOUNTED | RETURN/ EXHAUST | — | — | RETURN OR EXHAUST REGISTER AS INDICATED 45° ANGLED VANES. ALUMINUM FRAME -PROVIDE FLUSH MOUNTED FRAME |
| L1 | GRILLE FIXED ANGLED VANES SURFACE MOUNTED | OA SUPPLY | — | — | WALL LOUVER—EXTRUDED ALUMINUM DRAINABLE LOUVER—EXTENDED SILL WITH BIRD SCREEN RUSKIN ELF6375X |
| S1 | SIDE WALL WITH FACTORY PROVIDED TAKE OFF | SUPPLY | — | — | SIDEWALL SUPPLY REGISTER—STEEL CONSTRUCTION WITH OBD HORIZONTAL FRONT AND VERTICAL REAR BLADES |

| SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE | | | | | |
|--------------------------------------|-----------------|--------------|--------------|--------------|------------|
| SYMBOL | | HP1/AH1 | HP2/AH2 | HP3/AH3 | HP4/AH4 |
| MANUFACTURER (BASIS OF DESIGN) * | | CARRIER | CARRIER | CARRIER | mitsubishi |
| INDOOR | | FE4ANB006T00 | FE4ANB006T00 | FE4ANB006T00 | SEZ-KD12NA |
| OUTDOOR | | 25HNB660A003 | 25HNB660A003 | 25HNB660A003 | SUZ-KA12NA |
| REFRIGERANT | | PURON | PURON | PURON | PURON |
| CFM | | 1400 | 2600 | 1605 | 370 |
| CAPACITY ARI STD. | HEATING | 41.60 MBH | 42.19 MBH | 41.60 MBH | 9.8 MBH |
| | COOLING | 54.01 MBH | 60.07 MBH | 54.01 MBH | 11.5 MBH |
| | EFFICIENCY | 16 SEER | 16 SEER | 16 SEER | 16 SEER |
| ELECTRICAL DATA | VOLTAGE | INDOOR | 208 V, 1ø | 208 V, 1ø | 208 V, 1ø |
| | | OUTDOOR | 208 V, 1ø | 208 V, 1ø | 208 V, 1ø |
| | AUXILIARY HEAT | | 15 KW | 15 KW | 15 KW |
| | MIN. CIRC. AMPS | | | | |
| | INDOOR | 8.5 (AH3) | 8.5 (AH2) | 8.5 (AH3) | 1 (AH4) |
| | OUTDOOR | 30.2 (HP3) | 30.2 (HP2) | 30.2 (HP3) | 12 (HP4) |
| | MAX. FUSE AMPS | | | | |
| | INDOOR | 15 (AH3) | 15 (AH2) | 15 (AH3) | 15 (AH4) |
| | OUTDOOR | 50 (HP3) | 50 (HP2) | 50 (HP3) | 15 (HP4) |
| OUTSIDE AIR (CFM) | | 225 | 275 | 200 | 150 |
| WEIGHT (LBS) | INDOOR | 207 (AH3) | 207 (AH2) | 207 (AH3) | 50 (AH4) |
| | OUTDOOR | 417 (HP3) | 417 (HP2) | 417 (HP3) | 77 (HP4) |
| NOTE | | — | — | — | — |

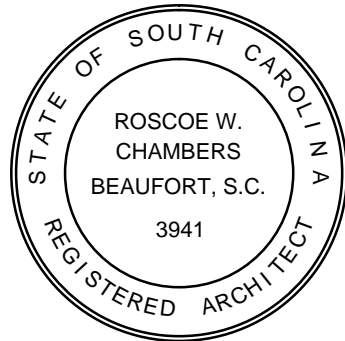
* PROVIDE INDICATED UNIT OR UNIT OF EQUAL PERFORMANCE AND QUALITY.
* CARRIER AND MITSUBISHI ARE BASIS OF DESIGN.

| EXHAUST FAN SCHEDULE | | | | | | | | | | |
|---|-------------|-----|-------------------------|----------|--------------|-------|---------|-------------------------|------------------------------------|-------|
| SYMB. | AREA SERVED | CFM | SP IN. H ₂ O | RPM MAX. | ELECT V/ø/HZ | SONES | MOUNT | CONTROL | DESIGN BASE MFG. & MODEL, OR EQUAL | NOTES |
| EF1 | TOILET | 135 | .25 | 1050 | 115/1/60 | 3.0 | CEILING | AHU4 CONTROLS | GREENHECK MODEL SP-B150 | 1,2,3 |
| EF2 | TOILET | 100 | .25 | 1050 | 115/1/60 | 3.0 | CEILING | AHU1 CONTROLS | GREENHECK MODEL SP-B150 | 1,2,3 |
| EF3 | UTILITY | 100 | .25 | 1050 | 115/1/60 | 3.0 | CEILING | AHU1 CONTROLS | GREENHECK MODEL SP-B150 | 1,2,3 |
| EF4 | WAREHOUSE | 275 | .25 | 1725 | 115/1/60 | 5.5 | WALL | AHU2 CONTROLS | GREENHECK MODEL CW-080-VG | 1,4,5 |
| EF5 | WORKSHOP | 200 | .25 | 1725 | 115/1/60 | 4.5 | WALL | AHU3 CONTROLS | GREENHECK MODEL CW-080-VG | 1,4,5 |
| EF6 | TRUCK BAY | 720 | .25 | 860 | 115/1/60 | 4.2 | CEILING | TEMPERATURE W/ OVERRIDE | GREENHECK MODEL SQ-120B | 1 |
| NOTES: 1. BASIS OF DESIGN. PROVIDE INDICATED EQUIPMENT OR EQUIPMENT OF EQUAL PERFORMANCE AND QUALITY. 2. PROVIDE RECTANGULAR HOODED WALL CAP (PN-WC-10X3) WITH BACKDRAFT DAMPER. 3. PROVIDE DESIGNER GRILLE 4. PROVIDE DAMPER, WD-323-PB-10X10, GRAVITY OPERATED. 5. PROVIDE GALVANIZED BIRDSCREEN. 5. PROVIDE INTERNAL DISCONNECT. | | | | | | | | | | |

FIRE & RESCUE
HEADQUARTERS
EXPANSION
MABEL T. WILLIS BLVD.
COLLETON COUNTY
SOUTH CAROLINA

COLLETON COUNTY

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P.O. BOX 1181
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CONSULTANTS

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
|------|------|-------------|

PROJECT NO: 2012.017.00

MODEL FILE: 2012.017.00

DRAWN BY: TF

CHK'D BY: RD

DATE: xx/xx/2012

CPY

SHEET TITLE

MECHANICAL
SCHEDULES AND
LEGEND

M2.0

SHEET 2 OF 3