

| TWO-STAGE HEAT GAS FIRED FURNACE SCHEDULE |                      |                          |                 |               |                   |                     |             |              |            |                           |                         |                        |                          |            |                            |                             |             |
|---|----------------------|--------------------------|-----------------|---------------|-------------------|---------------------|-------------|--------------|------------|---------------------------|-------------------------|------------------------|--------------------------|------------|----------------------------|-----------------------------|-------------|
| MARK                                      | SERVES               | LOCATION                 | CONFIGURATION   | AIRFLOW (CFM) | OUTDOOR AIR (CFM) | EXT S.P. (IN. W.C.) | INPUT (MBH) | OUTPUT (MBH) | EFFICIENCY | COMB AIR / FLUE SIZE (IN) | DIMENSIONS (LxWxH) (IN) | OPERATING WEIGHT (LBS) | BASIS OF DESIGN OR EQUAL |            | CONDENSATE DRAIN SIZE (IN) | GAS PIPING BRANCH SIZE (IN) | REMARKS     |
|   |                      |                          |                 |               |                   |                     |             |              |            |                           |                         |                        | MANUFACTURER             | MODEL      |                            |                             |             |
| FUR-1                                     | BUILDING THIRD FLOOR | THIRD FLOOR STORAGE ROOM | VERTICAL UPFLOW | 1995          | SEE REMARK 4      | 0.6                 | 57 / 110    | 55 / 106     | 96%        | 2                         | 28.75 X 21 X 64.5       | 225                    | LENNOX                   | ML296UH110 | 3/4                        | 3/4                         | (1) (2) (3) |

REMARKS:

- SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E6-1 FOR ELECTRICAL DATA.
- DIMENSIONS AND WEIGHT INCLUDE UPFLOW REFRIGERANT COOLING COIL.
- PROVIDE FURANCE WITH MODEL CX35-60 COOLING COIL MATCHED WITH CONDENSING UNIT CAPACITY AND PROVIDE WITH LENNOX MODEL E30 PROGRAMMABLE SMART THERMOSTAT WITH DIGITAL TOUCHSCREEN WITH HIGH DEFINITION COLOR DISPLAY, 7-DAY SCHEDULING, AND AUTO-CHANGE-OVER.
- OUTSIDE AIR USED FOR VENTILATION WILL BE INTRODUCED TO THIRD FLOOR SPACES BY MEANS OF EXISTING VERTICAL SHAFTS IN WALLS WITH EXISTING GRILLES PROVIDING DISCHARGE TO SPACES. VENTILATION AIR PROVIDED BY DOAS UNIT LOCATED AT BASEMENT FLOOR.

| AIR COOLED CONDENSING UNIT SCHEDULE |        |          |                 |                 |                 |                 |             |                   |             |           |                         |                        |                          |             |             |
|-------------------------------------|--------|----------|-----------------|-----------------|-----------------|-----------------|-------------|-------------------|-------------|-----------|-------------------------|------------------------|--------------------------|-------------|-------------|
| MARK                                | SERVES | LOCATION | CAPACITY (TONS) | COMPRESSOR TYPE | NO. COMPRESSORS | STEPS UNLOADING | REFRIGERANT | AMBIENT TEMP (°F) | SOUND POWER | MIN SEER2 | DIMENSIONS (LxWxH) (IN) | OPERATING WEIGHT (LBS) | BASIS OF DESIGN OR EQUAL |             | REMARKS     |
|                                     |        |          |                 |                 |                 |                 |             |                   |             |           |                         |                        | MANUFACTURER             | MODEL       |             |
| ACCU-1                              | FUR-1  | ROOF     | 5               | SCROLL          | 1               | -               | R-410A      | 105               | 68          | 22.4      | 39.25 X 35.5 X 45       | 300                    | LENNOX                   | EL23XCV-060 | (1) (2) (3) |

REMARKS:

- SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE ON SHEET E6-1 FOR ELECTRICAL DATA.
- PROVIDE CONDENSING UNIT VARIABLE SPEED SCROLL COMPRESSOR WITH UNIT CAPACITY TO MATCH FURNACE UPFLOW COOLING COIL CAPACITY.
- SOUND POWER RATING OF CONDENSING UNIT BASED ON THIRD OCTAVE BAND.

| HOOD SCHEDULE |         |               |                   |                        |                   |                              |              |                          |       |         |
|---------------|---------|---------------|-------------------|------------------------|-------------------|------------------------------|--------------|--------------------------|-------|---------|
| MARK          | SERVES  | AIRFLOW (CFM) | AIR PD (IN. W.C.) | ROOF OPENING SIZE (IN) | OVERALL SIZE (IN) | MAX FREE AREA VELOCITY (FPM) | WEIGHT (LBS) | BASIS OF DESIGN OR EQUAL |       | REMARKS |
|               |         |               |                   |                        |                   |                              |              | MANUFACTURER             | MODEL |         |
| HD-1          | EXHAUST | 100           | 0.1               | 13.5 X 13.5            | 18.25 DIA.        | 2                            | 25           | LOREN COOK               | PR-8  | (1)     |

REMARKS:

- PROVIDE WITH LOREN COOK MODEL RCA-16, 13.5" TALL, PRE-FABRICATED INSULATED ROOF CURB.

| DIFFUSER REGISTER AND GRILLE SCHEDULE |                        |            |                      |              |                       |        |                |                          |        |             |         |
|---------------------------------------|------------------------|------------|----------------------|--------------|-----------------------|--------|----------------|--------------------------|--------|-------------|---------|
| MARK                                  | DESCRIPTION            | DEFLECTION | MAX S. P. (IN. W.C.) | MAX NC LEVEL | CONSTRUCTION MATERIAL | FINISH | FACE SIZE (IN) | BASIS OF DESIGN OR EQUAL |        | ACCESSORIES | REMARKS |
|                                       |                        |            |                      |              |                       |        |                | MANUFACTURER             | MODEL  |             |         |
| D-1                                   | LOUVER FACE SUPPLY AIR | 4-WAY      | 0.1                  | 30           | STEEL                 | WHITE  | 24 X 24        | KRUEGER                  | 1400   | -           | (1)     |
| R-1                                   | LOUVER FACE SUPPLY AIR | 2-WAY      | 0.1                  | 30           | STEEL                 | WHITE  | SEE PLANS      | KRUEGER                  | S-800H | -           | (1)     |
| G-1                                   | LOUVER FACE RETURN AIR | 1-WAY      | 0.1                  | 30           | STEEL                 | WHITE  | SEE PLANS      | KRUEGER                  | S-80H  | -           | (1)     |
| G-2                                   | PERFORATED RETURN AIR  | 1-WAY      | 0.1                  | 30           | STEEL                 | WHITE  | 24 X 12        | KRUEGER                  | 6490   | -           | (1) (2) |
| G-3                                   | PERFORATED RETURN AIR  | 1-WAY      | 0.1                  | 30           | STEEL                 | WHITE  | 24 X 12        | KRUEGER                  | 6790   | -           | (1)     |
| G-4                                   | EGGCRATE RETURN AIR    | 1-WAY      | 0.1                  | 30           | STEEL                 | WHITE  | SEE PLANS      | KRUEGER                  | EGC-5  | -           | (1)     |

REMARKS:

- CONTRACTOR SHALL VERIFY CEILING CONSTRUCTION PRIOR TO FURNISHING MATERIAL.
- PROVIDE WITH 10'X6" NECK AND 12'X24" OVERALL GRILLE SIZE FOR LAY-IN CEILING.

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 NOTE:  
 DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS and clearances from ARCHITECTURAL, STRUCTURAL, shop and other appropriate drawing or at site. lay out and coordinate all work prior to installation to provide clearances required for operation, maintenance, and codes and verify non-interference with other work. DO NOT FABRICATE PRIOR TO VERIFICATION OF CLEARANCE FOR ALL TRADES. READ SPECIFICATIONS.

FINAL CONSTRUCTION DOCUMENTS

|   |                      |                                  |   |                         |
|---|----------------------|----------------------------------|---|-------------------------|
| A/E FIRM<br>PRIME:<br>KENNETH HAHN ARCHITECTS, INC. OMAHA, NE.<br>SUBCONTRACTOR:<br>ALVINE ENGINEERING OMAHA, NE. | DESIGNED:<br>MRG     | SUB SHEET NO.<br><br><b>M7-3</b> | TITLE OF SHEET<br><b>MECHANICAL SCHEDULES</b><br><br>BUCKSTAFF BATHHOUSE HVAC<br>HOT SPRINGS NATIONAL PARK<br>HOT SPRINGS, AK | DRAWING NO.<br>XXX/XXXX |
|   | DRAWN BY:<br>MRG     |                                  |   | PMIS NO.<br>177425      |
|   | TECH. REVIEW:<br>BAH |                                  |   | SHEET                   |
|   | DATE:<br>2/15/2024   |                                  |   | 35 OF 51                |