

| PACKAGED AC UNIT WITH GAS HEAT SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|----------------|---------|-----------|----|------------------|----|------|------|-------------------|---------|---------------|-----------------|------------|----------|----------|-----|-----------|----------------|-------|-------|------------------------------|----------|------|-------|--------|-------------|-------------------|--------------------|---|---------|
| MARK RTU- | ARRANGEMENT | EVAPORATOR FAN | | | | POWER CONNECTION | | | | GAS HEATING (MBH) | | | | COMPRESSOR | | | | CONDENSER | | | | NET COOLING PERFORMANCE DATA | | | | | | UNIT WEIGHT (LBS) | MINIMUM SEER (EER) | DESIGN BASIS MANUFACTURER/ MODEL SERIES | REMARKS |
| | | UNIT CFM | O/A CFM | EXT. S.P. | HP | V | PH | MCA | MOCP | INPUT | CAP MBH | NUMBER STAGES | ENTERING AIR DB | QTY | RLA EACH | REF TYPE | QTY | FLA EACH | CAPACITY (MBH) | | | AMB DB | ENTERING | | | | | | | | |
| | | | | | | | | | | | | | | | | | | SENS | LAT | TOTAL | | DB | WB | | | | | | | | |
| PH-1 | VERTICAL | 2,000 | 400 | 0.7 | 1 | 208 | 3 | 29.5 | 40 | 60 | 48 | 1 | 63 | 1 | 15.9 | R-410A | 1 | 2.5 | 46.3 | 10.8 | 57.1 | 105 | 79.8 | 65.5 | 825 | 14 | TRANE / YSC | 1 THROUGH 16 | | | |
| PH-2 | VERTICAL | 4,000 | 800 | 0.8 | 5 | 208 | 3 | 49 | 60 | 120 | 102 | 1 | 63 | 2 | 19.6 | R-410A | 1 | 3.3 | 211.9 | 66.2 | 278.1 | 105 | 80.0 | 67.0 | 2,100 | (10.8) | TRANE / YSC | 1 THROUGH 17 | | | |
| PH-3 | VERTICAL | 3,000 | 600 | 0.7 | 1 | 208 | 3 | 39 | 50 | 60 | 48 | 1 | 63 | 1 | 29.0 | R-410A | 1 | 3.3 | 68.7 | 16.5 | 85.2 | 105 | 78.8 | 64.6 | 825 | (10.8) | TRANE / YSC | 1 THROUGH 17 | | | |
| PH-4 | VERTICAL | 3,000 | 600 | 0.7 | 1 | 208 | 3 | 39 | 50 | 60 | 48 | 1 | 63 | 1 | 29.0 | R-410A | 1 | 3.3 | 68.7 | 16.5 | 85.2 | 105 | 78.8 | 64.6 | 825 | (10.8) | TRANE / YSC | 1 THROUGH 17 | | | |

REMARKS:

- EXTERNAL STATIC PRESSURE ("WG") INCLUDES DUCTWORK, BALANCING DAMPERS AND AIR DEVICES ONLY
- CAPACITIES LISTED ARE NET FROM UNIT DISCHARGE. UNITS SHALL PERFORM TO LISTED CAPACITIES.
- TRANE IS THE BASIS FOR DESIGN. ACCEPTABLE ALTERNATE MANUFACTURERS ARE: YORK, CARRIER, AND GOODMAN. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS IN FIT AND ELECTRICAL SERVICE.
- FUEL FOR HEATING SHALL BE NATURAL GAS
- PROVIDE GALVANIZED INSULATED FACTORY ROOF CURB TO MATCH ROOF SLOPE.
- PROVIDE FACTORY HAIL GUARDS
- UNIT PERFORMANCE MUST SATISFY BOTH SENSIBLE AND LATENT CAPACITY REQUIREMENTS
- PROVIDE WITH SMOKE DETECTOR INTERLOCKED TO SUPPLY FAN AS REQUIRED BY CODE. (2000 CFM GREATER)
- PROVIDE WITH STAINLESS STEEL HEAT EXCHANGERS.
- PROVIDE WITH INTEGRAL DISCONNECT AND A DUPLEX, 115-V, GFI RECEPTACLE WITH 15A MOCP (INCLUDE TRANSFORMER IF REQUIRED. OUTLET SHALL BE ENERGIZED EVEN IF THE UNIT MAIN DISCONNECT IS OPEN).
- PROVIDE WITH STAINLESS STEEL OR CORRISION RESISTANT CONDENSATE DRAIN PAN.
- PROVIDE WITH CRANKCASE HEATER.
- PROVIDE WITH CONTROLS TRANSFORMER.
- PROVIDE SINGLE POINT ELECTRICAL CONNECTION.
- PROVIDE WITH BAROMETRIC RELIEF.
- PROVIDE FACTORY PROGRAMMABLE THERMOSTAT, 7 DAY/2-EVENT, WITH DATA PORT FOR CONNECTION TO FUTURE FACILITY MANAGEMENT SYSTEM.
- IEER 14.0

| FAN SCHEDULE | | | | | | | | | | | | |
|--------------|---------------------|------------|-------|--------------|------------|-------|----|--------|-----------|--------|-----------------------------|-----------|
| MARK | TYPE | LOCATION | CFM | EXT SP IN WG | MOTOR DATA | | | DRIVE | MAX SONES | WEIGHT | MANUFACTURER / MODEL SERIES | REMARKS |
| | | | | | HP | VOLTS | PH | | | | | |
| EF-PH-1 | IN-LINE | CEILING | 860 | 0.5 | 0.3 | 120 | 1 | DIRECT | 7.0 | 50 | LOREN COOK / SQND | 2,5,6,7 |
| KEF-PH-1 | TYPE 1 HOOD EXHAUST | ROOF | 2,000 | 1.0 | 0.75 | 208 | 3 | DIRECT | 10.0 | 100 | CAPTIVEAIRE / DU-HFA | 1,2,3,4 |
| KSF-PH-1 | FILTERED SUPPLY | ROOF | 1,600 | 0.5 | 0.3 | 120 | 1 | DIRECT | 7.0 | 180 | CAPTIVEAIRE / A-SERIES | 1,2,3,4,7 |
| EF-PH-2 | CEILING | TOILET | 80 | 0.2 | 85W | 120 | 1 | DIRECT | 1.0 | 20 | LOREN COOK / GC | 2,7,8,9 |
| EF-PH-3 | IN-LINE | CRAWLSPACE | 220 | 0.5 | 0.17 | 120 | 1 | DIRECT | 7.0 | 50 | LOREN COOK / SQND | 2,5,7 |
| EF-PH-4 | IN-LINE | CRAWLSPACE | 160 | 0.5 | 0.17 | 120 | 1 | DIRECT | 7.0 | 50 | LOREN COOK / SQND | 2,5,7 |

REMARKS:

- PROVIDE FACTORY CURB WITH BOTTOM SLOPED TO MATCH ROOF SLOPE
- PROVIDE FACTORY PRE-WIRED DISCONNECT SWITCH WITH MOTOR THERMAL OVERLOAD PROTECTION.
- FAN MATCHED TO HOOD AND PROVIDED AS PART OF A FULLY INTEGRATED HOOD PACKAGE.
- INTERLOCKED START/STOP WITH HOOD SWITCH.
- PROVIDE WITH SPEED CONTROL (ECM OR FSC) FOR BALANCING PURPOSES AND FACTORY GRAVITY BACKDRAFT DAMPER.
- PROVIDE WITH TIME-CLOCK FOR CONTINUOUS OPERATION DURING OCCUPIED HOURS.
- PROVIDE FACTORY MOUNTING HARDWARE FOR SUSPENSION FROM BUILDING STRUCTURE INCLUDING RIS ISOLATORS.
- INTERLOCKED START STOP WITH LIGHT SWITCH.
- PROVIDE WITH FACTORY WALL CAP AND GRAVITY BACKDRAFT DAMPER.

| ELECTRIC UNIT HEATER | | | | | | | | | | | | | | |
|----------------------|------------|-------------|-----|------------|------|-----|-----|----------|-----|--------|------------|---------------------------|---------|-----------|
| MARK UH- | SERVES | ARRANGEMENT | CFM | CONNECTION | | | | CAPACITY | | | WEIGHT LBS | DESIGN BASIS MODEL SERIES | REMARKS | |
| | | | | MCA | MOCP | KW | V | PH | MBH | STAGES | | | | TEMP RISE |
| PH-1 | RISER ROOM | HORIZONTAL | 350 | 14.5 | 20.0 | 3.0 | 208 | 1 | 9.2 | 1 | 25 | 30 | MUH | 1,2,3,4 |

REMARKS:

- MOUNT UNIT AT 7'-0" ABOVE FINISHED FLOOR.
- QMARK/MARLEY IS THE BASIS OF DESIGN. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS FROM DESIGN BASIS IN FIT AND ELECTRICAL SERVICE.
- PROVIDE UNIT MOUNTED THERMOSTAT.
- PROVIDE FACTORY MOUNTING HARDWARE.

| AIR DEVICE SCHEDULE | | | | | | | | | |
|---------------------|----------------|--------------|-----------|------------|------------|----------|------------|---|---------|
| MARK | SERVES | NECK SIZE | FACE SIZE | MOUNTING | TYPE | MATERIAL | MAXIMUM NC | DESIGN BASIS MANUFACTURER/ MODEL SERIES | REMARKS |
| A | SUPPLY | 6,8,10,12,14 | 24" x 24" | CEILING | LOUVERED | STEEL | 30 | TITUS/TMSA | 1,2,3 |
| B | SUPPLY | 6,8 | 12" x 12" | CEILING | LOUVERED | STEEL | 30 | TITUS/TMSA | 1,2,3 |
| E | SUPPLY | VARIABLES | (NOTE 1) | LINEAR BAR | BAR GRILLE | STEEL | 30 | TITUS/CT | 1,4 |
| H | RETURN/EXHAUST | 22" x 22" | 24" x 24" | CEILING | PERFORATED | STEEL | 30 | TITUS/PAR | 1,2,3 |
| K | RETURN/EXHAUST | 10" x 10" | 12" x 12" | CEILING | PERFORATED | STEEL | 30 | TITUS/PAR | 1,2,3 |

REMARKS:

- PROVIDE MOUNTING FRAME TO BE COMPATIBLE WITH TYPE OF CEILING IN WHICH THE DEVICE IS TO BE MOUNTED. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES.
- PROVIDE WHITE BAKED ENAMEL FINISH.
- WHERE ROUND NECK SIZE IS NOTED ON DUCTWORK PLAN, PROVIDE RECTANGULAR TO ROUND DUCT COLLAR.
- PROVIDE PRIME COAT OF PAINT TO MATCH ADJACENT CEILING COLOR OR SPECIAL ARCHITECTURAL DESIGN, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.

NOTES:

- FACE SIZE WILL BE APPROXIMATELY 1 3/4" GREATER THAN NECK SIZE NOTED ON HVAC FLOOR PLAN.

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Drawing Title:

HVAC SCHEDULES

Project No.

2307

Date:

1/12/2024

Sheet No.

MO.3



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