KEY NOTES

- Refrigerant piping sizes, routing, & quantities as per manufacturer's recommendations. See specification for additional information.
- Condensate down to mop sink. Terminate with air gap.
- Condensate down to funnel drain. Terminate with air gap. See plumbing drawings.
SECOND FLOOR PLAN

KEY NOTES
- Refrigerant piping sizes, routing, & quantities as per manufacturer’s recommendations. See specification for additional information.
- Condensate down to mop sink. Terminate with air gap.

---

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1800 Route 34, Suite 101
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732.312.9800

Regional Offices
Hackettstown, NJ
New York, NY

---

Edmund H. Gaunt, Jr., AIA
C5251
A Limited Liability Company

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Two River Theater Company
Lots 22, 22.01, 22.02, Block #36
West Street
Red Bank, New Jersey

---

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O:\10K\10200\10272 - Two River Theatre Expansion\10272.001 Additions\CADD\DWG\10272.001 - M3.1.dwg   Plotted on:  02/02/18 - 10:35am

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Two River Theater Company
Lot 22
Red Bank, New Jersey

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KEY NOTES

- Refrigerant piping sizes, routing, & quantities as per manufacturer's recommendations. See specification for additional information.
- Condensate down to mop sink. Terminate with air gap.
- Condensate down to funnel drain. Terminate with air gap. See plumbing drawings.

THIRD FLOOR PLAN

Scale: 1/8" = 1'-0"
## Packaged Energy Recovery Unit Schedule

### Table 1: Packaged Energy Recovery Unit Schedule

<table>
<thead>
<tr>
<th>Plan No.</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Location</th>
<th>Area Serviced</th>
<th>Units</th>
<th>Description</th>
<th>Notes</th>
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### Table 2: Packaged Energy Recovery Unit Schedule (Enthalpic Core, Flat Plate Heat Exchanger)

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<th>Units</th>
<th>Description</th>
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### Table 3: Electric Cabinet Unit Heater Schedule

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### Table 4: Exhaust Fan Schedule

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### Table 5: Air Curtain Schedule

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</table>

### Notes

1. **Units shall be mounted and secured on 4"x4"x16" isolation pads, made of Design, the designer.
2. **Units shall be provided with usable roof spaces for HVAC equipment.
3. **Units shall be provided with usable roof spaces for HVAC equipment.
4. **Units shall be provided with usable roof spaces for HVAC equipment.
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### VENTILATION SCHEDULE

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<th>Description</th>
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<th>Inside CFM</th>
<th>Required CFM</th>
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</table>
**Duct Silencer Schedule**

**AIR Filter Unit Schedule**

**Branch Selector Box Schedule**

**Dust Collector Schedule**

---

**NOTES:**

1. AVOID BENDS IN DUCT RUNNER IN DUCT WORK.

2. SELECT FILTERS AND CONTROL VALVES TO SIMPLIFY FIELD INSTALLATION.

3. PROVIDE ALL FILTERS AND SILENCERS WITH A BUILD-IN SIGHT GLAS.

4. PROVIDE SUPPLY FANS WITH DOUBLE DEFLECTION DIRECTION.

5. PROVIDE TOE VENTILATION SUPPORTS FOR FULLY SUPPORTED DUCTS.

6. PROVIDE ELECTRICAL CONNECTIONS FOR AUTOMATIC SILENCERS.

---

**NOTES:**

1. PROVIDE SELF CONTAINED FAN SYSTEMS FOR APPLICATIONS INDICATED.

2. PROVIDE PRESSURE RELIEF VALVES FOR SYSTEMS REQUIRING CLEANING.

---

**NOTES:**

1. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.

2. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.

3. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.

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**NOTES:**

1. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.

2. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.

3. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.

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3. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.

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**NOTES:**

1. PROVIDE SELF CONTAINED FAN SYSTEMS FOR APPLICATIONS INDICATED.

2. PROVIDE PRESSURE RELIEF VALVES FOR SYSTEMS REQUIRING CLEANING.

---

**NOTES:**

1. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.

2. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.

3. PROVIDE ALL FILTERS WITH INTERNAL WASHDOWN SYSTEM.
1. PROVIDE QUICK-CONNECT COUPLERS: 2 REQUIRED FOR EACH COMPRESSOR.

2. PROVIDE 10 AMP 120V MOTOR STARTS IN COLD WEATHER OR WITH EXTENSION CORD.

3. PROVIDE LOW AMP 120V MOTOR STARTS.

4. PROVIDE LOW AMPS.

5. PROVIDE COMPRESSOR RUNTIMES.

6. PROVIDE COMPRESSORS.

7. PROVIDE COMPRESSORS.

8. PROVIDE COMPRESSORS.

9. PROVIDE COMPRESSORS.

10. PROVIDE COMPRESSORS.

11. PROVIDE COMPRESSORS.

12. PROVIDE COMPRESSORS.

DUST COLLECTOR DUCT SILENCER SCHEDULE

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<th>MANUFACTURER MODEL</th>
<th>UNIT &amp; AREA SERVICE</th>
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<th>FAN TYPE</th>
<th>CFM RATING</th>
<th>DEPTH</th>
<th>WIDTH</th>
<th>HEIGHT</th>
<th>VOLUME</th>
<th>VENTS</th>
<th>FACE MATERIAL</th>
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<td>11-1/4</td>
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CONDENSING UNIT SCHEDULE

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<th>VENTS</th>
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OPEN FACE PAINT BOOTH SCHEDULE

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<th>VOLUME</th>
<th>VENTS</th>
<th>FACE MATERIAL</th>
<th>REMARKS</th>
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DUSTLESS HEAT PUMP UNIT SCHEDULE

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2.1.18

BETWEEN THE STEEL SLEEVE AND THE WALL OPENING SHALL BE FILLED WITH ROCK (MINERAL) WOOL BATTING ON ALL SIDES.

2010-18

RETAINING ANGLES. THE RETAINING ANGLES SHALL BE SECURED TO THE SLEEVE AND WALL WITH NO. 10 SCREWS. THE ANNULAR SPACE SECURED TO BOTH SIDES OF THE WALL AND ALL FOUR SIDES OF THE SLEEVE WITH MINIMUM 1 1/2 INCH BY 1 1/2 INCH BY 0.060 INCH STEEL.

A MINIMUM 12 INCH LONG BY 0.060 INCH THICK STEEL SLEEVE SHALL BE CENTERED IN EACH DUCT OPENING. THE SLEEVE SHALL BE FIRE DAMPER TO BE TYPE B. SEE ARCHITECTURAL DRAWINGS FOR WALL RATINGS.

THE DUCT SHALL NOT EXCEED 100 SQUARE INCHES.

THE DUCT SHALL BE CONSTRUCTED OF STEEL A MINIMUM OF 0.0217 INCH THICKNESS.

THE DUCT SHALL NOT HAVE OPENINGS THAT COMMUNICATE THE CORRIDOR WITH ADJACENT SPACES OR ROOMS.

NOTES:

1. THE DUCT SHALL NOT BE LOCATION UNDER STEEL BEAMS OR CEILINGS.

2. THE DUCT SHALL BE CONSTRUCTION OF FIBER GAIN FACING WITH MINIMUM THICKNESS OF 1/2 INCH.

3. THE DUCT SHALL NOT HAVE EXPOSURE TO FIGGER DAMPER RATING SCHEDULE.

4. THE DUCT SHALL NOT BE LOCATION UNDER STEEL BEAMS OR CEILINGS.

5. THE DUCT SHALL NOT HAVE OPENINGS THAT COMMUNICATE THE CORRIDOR WITH ADJACENT SPACES OR ROOMS.

6. THE DUCT SHALL NOT BE LOCATION UNDER STEEL BEAMS OR CEILINGS.

7. THE DUCT SHALL NOT HAVE EXPOSURE TO FIGGER DAMPER RATING SCHEDULE.

8. THE DUCT SHALL NOT BE LOCATION UNDER STEEL BEAMS OR CEILINGS.

9. THE DUCT SHALL NOT HAVE OPENINGS THAT COMMUNICATE THE CORRIDOR WITH ADJACENT SPACES OR ROOMS.

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15. THE DUCT SHALL NOT HAVE EXPOSURE TO FIGGER DAMPER RATING SCHEDULE.

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27. THE DUCT SHALL NOT HAVE EXPOSURE TO FIGGER DAMPER RATING SCHEDULE.

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33. THE DUCT SHALL NOT HAVE OPENINGS THAT COMMUNICATE THE CORRIDOR WITH ADJACENT SPACES OR ROOMS.

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35. THE DUCT SHALL NOT HAVE EXPOSURE TO FIGGER DAMPER RATING SCHEDULE.

36. THE DUCT SHALL NOT BE LOCATION UNDER STEEL BEAMS OR CEILINGS.

37. THE DUCT SHALL NOT HAVE OPENINGS THAT COMMUNICATE THE CORRIDOR WITH ADJACENT SPACES OR ROOMS.

38. THE DUCT SHALL NOT BE LOCATION UNDER STEEL BEAMS OR CEILINGS.

39. THE DUCT SHALL NOT HAVE EXPOSURE TO FINGER DAMPER RATING SCHEDULE.
PAINT BOOTH FIRE SUPPRESSION SYSTEM

The system shall be designed for operation at ambient temperatures from 32°F to 120°F.

1. The system shall use Pyro-CheM Monoammonium Phosphate-based Dry Chemical Agent. The system shall be designed for operation at ambient temperatures from 32°F to 120°F. 2. The system shall have mechanical manual actuation capability requiring no electrical power. This actuation controls shall release nitrogen from the PAC cylinder into the pneumatic pipe and tubing network. This nitrogen shall depress a piston above the valve stem in each agent cylinder, opening each agent element within the detector, sending a signal to the control head which energizes a solenoid in the control head, exercising the control head (for electrical detector). 3. The system shall use Pyro-CheM discharge nozzles to distribute agent throughout the hazard area. The nozzle discharge design is based on empirical studies and actual agent distribution studies. Baffle for air tightness of 1200 FPM. 4. The system shall include a model PCI series agent storage cylinders. Model PCI-Series agents shall be used with extinguishing agent fill weights of 12.5 lbs. for models PCI-25SABC and 35 lbs. for models PCI-50SABC. 5. The system shall have modular manual actuation capability requiring no electrical power. This actuation controls shall release nitrogen from the PAC cylinder into the pneumatic pipe and tubing network. This nitrogen shall depress a piston above the valve stem in each agent cylinder, opening each agent element within the detector, sending a signal to the control head which energizes a solenoid in the control head, exercising the control head (for electrical detector). 6. The system shall include a model PCI series agent storage cylinders. Model PCI-Series agents shall be used with extinguishing agent fill weights of 12.5 lbs. for models PCI-25SABC and 35 lbs. for models PCI-50SABC. 7. The system shall be designed for operation at ambient temperatures from 32°F to 120°F.

NOTES:
- Use full duct perimeter angles or Unistrut from base to outlet. 1800 Route 34, Suite 101
- Corporate Office
- Red Bank, NJ 07701
- Phone: 732.747.7634
- f: 732.747.7634
- O:
- 10K
- 10200
- 10272 - Two River Theatre Expansion
- 10272.001 Additions
- CADD
- DWG
- 10272.001 - M5.0.dwg
- Plotted on: 02/02/18 - 10:35am
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- PROFESSIONAL ENGINEER, NJ LIC. No. 35254
- PROHIBITED. DUE TO INHERENT ERRORS IN REPRODUCTION METHODS, ERRORS MAY OCCUR WHEN SCALING THIS DRAWING