CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER AS SPECIFIED FOR NEW DUCTWORK.

REVISION:

CONTRACTOR MAY REUSE PORTIONS OF EXISTING DUCT PROVIDED SIZES AND PRESSURE PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT.

MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND OCCUPANCY SENSOR

AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR CONNECTIONS. OBTAIN PERMISSION FROM OWNER BEFORE PARTIALLY OR COMPLETELY

WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO AFFECTED AREAS PRIOR WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO AFFECTED AREAS PRIOR TO CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND

THE FINAL POST CONSTRUCTION REPORT SHALL INCLUDE ALL ITEMS REQUIRED IN THE

TAB CONTRACTOR SHALL COMPILE AND SUBMIT COPIES OF THE FINAL POST- AFFECTED AREAS PRIOR TO BIDDING.

NOTICE OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WHERE EXISTING MECHANICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO AFFECTED AREAS PRIOR TO CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND

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FIRST FLOOR PLAN - MECHANICAL DEMOLITION
FIRST FLOOR PLAN - MECHANICAL
ROOF PLAN - MECHANICAL
BRANCH CONNECTIONS

1. ROOF MOUNTED FAN/HOOD (MEMBRANE ROOF)
### Control Symbols List

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF-1</td>
<td>Exhaust Fan Control</td>
</tr>
<tr>
<td>EF-2</td>
<td>Exhaust Fan Control</td>
</tr>
<tr>
<td>EF-3</td>
<td>Exhaust Fan Control</td>
</tr>
<tr>
<td>EF-4</td>
<td>Exhaust Fan Control</td>
</tr>
<tr>
<td>EF-5</td>
<td>Dishwasher Fan Control</td>
</tr>
<tr>
<td>EF-6</td>
<td>Exhaust Fan Control</td>
</tr>
<tr>
<td>EF-7</td>
<td>Exhaust Fan Control</td>
</tr>
</tbody>
</table>

### Exhaust Fan Control EF-1, EF-2, EF-3, EF-4, EF-6

1. **Exhaust Fan Control EF-1, EF-2, EF-3, EF-4, EF-6**

2. **Dishwasher Fan Control: EF-5**

3. **Global Reference Points**
ROOFTOP UNIT CONTROL - RTU-1, RTU-2, RTU-4, RTU-5, RTU-6
**KITCHEN EXHAUST FAN AND MAKE-UP AIR UNIT CONTROL DIAGRAM**

**EXHAUST FAN AIRFLOW SCHEDULE**

<table>
<thead>
<tr>
<th>System</th>
<th>CFM</th>
<th>MAU</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>EF-7</td>
<td>2330</td>
<td>MAU-1</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES:**

1. CORRESPONDING MAU SHALL BE INTERLOCKED TO OPERATE WHENEVER THE EXHAUST FAN IS TURNED ON.

2. EXHAUST EXCEEDS MAKE-UP TO MAINTAIN SPACE SLIGHTLY NEGATIVE.
**EXHAUST FAN SCHEDULE**

**NOTES:**
1. PROVIDE CURB ADAPTER TO MOUNT UNIT ON EXISTING ROOF CURB.
2. CURB HAS MODULATING SCR HEATING.
3. UNIT EXHAUSTS AND REGULATES DELIVERED AIR.
4. PROVIDE UNIT HEATING SCHEDULE BASED ON HVAC REPLACEMENT UNIT HEATING.
5. PROVIDE CURB ADAPTER TO MOUNT UNIT ON EXISTING ROOF CURB.
6. UNIT HAS MODULATING SCR HEATING.

<table>
<thead>
<tr>
<th>TAG NAME</th>
<th>AREA SERVED</th>
<th>CFM</th>
<th>STATIC PRESSURE (IN. W.C.)</th>
<th>MAX. DEFL. (IN.)</th>
<th>FAN RPM (NOTE F)</th>
<th>INLET TYPE</th>
<th>DAMPER TYPE</th>
<th>BHP</th>
<th>MHP</th>
<th>VOLTAGE</th>
<th>PHASES</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1-3</td>
<td>CLASSROOMS 1 &amp; 2</td>
<td>300</td>
<td>0.25</td>
<td>15</td>
<td>800</td>
<td>DIRECT</td>
<td>DRV</td>
<td>MFR</td>
<td>MF</td>
<td>MF</td>
<td>MF</td>
</tr>
<tr>
<td>F1-4</td>
<td>KITCHEN</td>
<td>1500</td>
<td>0.25</td>
<td>15</td>
<td>800</td>
<td>DIRECT</td>
<td>DRV</td>
<td>MFR</td>
<td>MF</td>
<td>MF</td>
<td>MF</td>
</tr>
<tr>
<td>F1-5</td>
<td>KITCHEN</td>
<td>1500</td>
<td>0.25</td>
<td>15</td>
<td>800</td>
<td>DIRECT</td>
<td>DRV</td>
<td>MFR</td>
<td>MF</td>
<td>MF</td>
<td>MF</td>
</tr>
<tr>
<td>F1-6</td>
<td>KITCHEN</td>
<td>1500</td>
<td>0.25</td>
<td>15</td>
<td>800</td>
<td>DIRECT</td>
<td>DRV</td>
<td>MFR</td>
<td>MF</td>
<td>MF</td>
<td>MF</td>
</tr>
</tbody>
</table>

**MAKEUP AIR UNIT SCHEDULE - ELECTRIC HEATER**

**NOTES:**
1. BELT DRIVE INDOOR MOTOR WITH ADJUSTABLE SHEAVES.
2. UNIT HAS MODULATING SCR HEATING.
3. PROVIDED CURB ADAPTER TO MOUNT UNIT ON EXISTING ROOF CURB.
4. UNIT HAS MODULATING SCR HEATING.

<table>
<thead>
<tr>
<th>TAG NAME</th>
<th>AREA SERVED</th>
<th>CFM</th>
<th>FAN RPM (NOTE G)</th>
<th>EXT. S.P.</th>
<th>MAX. BHP</th>
<th>OUTPUT AREA SERVED</th>
<th>FAN DBA</th>
<th>TOTAL BHP</th>
<th>DAMPER TYPE</th>
<th>H.P.</th>
<th>DISCONNECT</th>
<th>CONTROL/STARTER</th>
</tr>
</thead>
</table>
ELECTRICAL SYMBOL LIST

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>TAG</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td></td>
<td>ELECTRICAL CONNECTION</td>
</tr>
<tr>
<td>☐</td>
<td></td>
<td>MANUAL SHUT-OFF/COMBINATION</td>
</tr>
<tr>
<td>☐</td>
<td></td>
<td>FIRE ALARM ADDRESSABLE</td>
</tr>
</tbody>
</table>

ELECTRICAL RENOVATION NOTES:

1. GIANT'S COLUMNS ARE TO BE RELOCATED/REMOVED WHERE EXISTING FACILITIES ARE TO BE REPLACED WITH THE CONTRACTOR TO PROVIDE INFORMATION ON THE EXISTING CONDITION WHERE THE FACILITIES ARE TO BE REPLACED. INFORMATION MUST BE PROVIDED FOR THE CONTRACTOR TO DETERMINE WHERE THE FACILITIES ARE TO BE REPLACED.

2. ELECTRICAL RENOVATION NOTES:

   - FIRE ALARMS
   - SECURITY SYSTEMS
   - PLUMBING SYSTEMS
   - HVAC SYSTEMS
   - ELECTRICAL SYSTEMS

   THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO:

   - ELECTRICAL SYMBOL LIST
   - ELECTRICAL ABBREVIATION KEY
   - CONTRACTOR ABBREVIATION KEY
   - APPLICABLE CODES
   - VIEW KEY
   - VIEW NAME

   ALL INFORMATION MUST BE PROVIDED FOR THE CONTRACTOR TO DETERMINE WHERE THE FACILITIES ARE TO BE REPLACED.

   CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING. CONTRACTORS SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE JOB.

   CONSTRUCTION MANAGER

   PLUMBING CONTRACTOR

   ELECTRICAL CONTRACTOR

   ASBESTOS ABATEMENT CONTRACTOR

   CHILLER CONTRACTOR

   HEATING CONTRACTOR

   SECURITY CONTRACTOR

   HVAC INSTALLATION NOTES:

   1. ELECTRICAL INSTALLATION NOTES:

   - FIRE ALARMS
   - SECURITY SYSTEMS
   - PLUMBING SYSTEMS
   - HVAC SYSTEMS
   - ELECTRICAL SYSTEMS

   THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO:

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