EXISTING.

B. EXACT SIZES AND LOCATIONS OF EXISTING DUCTWORK, PIPING, EQUIPMENT AND ACCESSORIES MUST BE FIELD VERIFIED.

C. EXISTING SHOWN ARE TO REMAIN AND FOR REFERENCE ONLY, UNLESS OTHERWISE NOTED.

E. RETURN EXISTING GRILLES, DIFFUSERS AND VAV BOXES BEING REMOVED TO OWNER OR OWNER REPRESENTATIVE.

F. THESE DRAWINGS INDICATE THE GENERAL EXTENT OF WORK. THE FULL EXTENT OF DEMOLITION SHALL BE AS REQUIRED BY THE NEW WORK PLANS AND REMOVAL OF MATERIALS AND COMPONENTS REQUIRED FOR INSTALLATION OF THE NEW AND RENOVATED SYSTEMS.

G. ALL MECHANICAL SYSTEMS AND COMPONENTS TO BE REMOVED SHALL BE REMOVED COMPLETELY, INCLUDING ALL ASSOCIATED HANGERS, SUPPORTS, CONTROLS, ETC. ALL OPEN DUCTWORK AND PIPING SHALL BE CAPPED.

J. REMOVE ANIMAL HOLDING ROOMS PNEUMATIC TEMPERATURE SENSORS AND REPLACE WITH NEW ELECTRONIC TEMPERATURE SENSORS. EXISTING WIRING TO EXISTING ALARM MONITORING REMOVE PNEUMATIC CONTROLS AND REPLACE WITH DDC CONTROLS UNLESS NOTED OTHERWISE.

K. ALL VAV BOXES TO REMAIN UNLESS NOTED 1.

L. ALL DIFFUSERS AND GRILLES TO REMAIN UNLESS NOTED
<table>
<thead>
<tr>
<th>ROOM NUMBER</th>
<th>FLOOR NAME</th>
<th>circulation type</th>
<th>collocation (ft²)</th>
<th>design air flow rate (cfm)</th>
<th>unoccupied mode air flow (ach)</th>
<th>design temp (°f)</th>
<th>return air (°f)</th>
<th>design humidity (%)</th>
<th>return humidity (%)</th>
<th>exhaust rate (cfm)</th>
<th>supply terminal unit</th>
<th>exhaust terminal unit</th>
<th>control type</th>
<th>supply flow setting (cfm)</th>
<th>exhaust flow setting (cfm)</th>
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<th>notes</th>
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<td>1124.1</td>
<td>DNA WU C2</td>
<td>980</td>
<td>3000</td>
<td>10.6</td>
<td>5.3</td>
<td>1.6</td>
<td>0.8</td>
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<td>NA</td>
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<td>0</td>
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<td>DOOR GRILLES WILL BE PROVIDED AT NEW DOOR BY GC FOR RA TO ADJACENT LAB, TYPICAL FOR ALL NEW LAB SUPPORT SPACES WITHIN A LAB</td>
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<td>742</td>
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<td>NA</td>
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<tr>
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<td>TLT Women</td>
<td>825</td>
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<td>3.2</td>
<td>1.0</td>
<td>0.5</td>
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<td>NA</td>
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**NOTE:** Supply flow setting is recommended for energy-saving operation. Owner may choose to go 600 for core and exiting. Use AHU for energy savings. Core and exiting. Use AHU for energy savings.
### Table: Second Floor Airflow Balance & Control

<table>
<thead>
<tr>
<th>ROOM</th>
<th>FOOR NAME</th>
<th>CORRIDOR</th>
<th>OFFICE</th>
<th>ELEV</th>
<th>COPY</th>
<th>JANITOR</th>
<th>STAIR</th>
<th>ELEC</th>
<th>LAB</th>
<th>LAB CHEN</th>
<th>TLT MEN</th>
<th>SCALE: 3/32&quot; = 1'-0&quot;</th>
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<tr>
<td>2229.1</td>
<td>TISSUE CULTURE WEI C2</td>
<td>185</td>
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<td>1665</td>
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<td>0.5</td>
<td>NEW</td>
<td>6&quot;</td>
<td>YES</td>
<td>400</td>
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</tbody>
</table>

**NOTE 1:** All existing supply and exhaust controls to be converted to DC, and all existing ducts for each control valves will be replaced with new valves with electronic valving actuators. All notes are to be referenced.

**NOTE 2:** Existing supply and exhaust controls to be converted to DC, and all existing ducts for each control valve will be replaced with new valves with electronic valving actuators. All notes are to be referenced.

**Description:**
- **DESIGN AIR FLOW RATE:** The design airflow rates for various spaces are calculated to ensure proper ventilation and environmental conditions.
- **SUPPLY AIR TERMINAL UNIT:** The type and size of supply air terminals are specified for each room.
- **RETURN AIR:** The return air quantity is indicated for each room.
- **GENERAL EXHAUST AIR:** The exhaust airflow rates are noted for each space.
- **FUME HOOD SUPPLY GEN. EXH.** Fume hood supply airflow rates are specified for each hood.
- **GENERAL EXHAUST FUME HOOD EXIST.** Existing exhaust airflow rates for fume hoods are noted.

**Units:**
- Flow rates are typically measured in cubic feet per minute (CFM).
- Heights are given in feet (ft).

**Scale:** 3/32" = 1'-0"
NOTE 1: ALL EXISTING SUPPLIES AND EXHAUST BREEZE CONTROL TIPS ARE CONVERTED TO DOE, AND ALL EXISTING 2 INCH OR 4 INCH CONTROL VALVES WILL BE REPLACED WITH NEW VALVES W/IIN ELECTRONIC VALVE ACTUATORS, VALVES NEEDED OTHERWISE.

NOTE 1: UNOCCUPIED SB & EB AIR FLOW SETTING IS RECOMMENDATION ONLY FOR ENERGY SAVING OPERATION. OWNER MAY CHOOSE TO DO OTHERWISE. UNLESS SPECIFIED, UNLOADING and EXHAUST PRODUCTS.

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