California Polytechnic State University
San Luis Obispo
Faculty Offices I
FIRST FLOOR PLAN
THIRD FLOOR PLAN
WALL SECTION - WEST ELEV. 

WALL SECTION - EAST ELEV. 

WALL SECTION - "POD" - WEST ELEV. 

WALL SECTION - "POD" - EAST ELEV.
SECTION ELEVATOR

SECTION STAIR # 2 (STAIR # 3 SAME)

SECTION STAIR # 1
SHEET NOTES

1. PLASTER INTERIOR IS NOT BE SPACKLED
2. PLASTER, CUSTOM DENT 2" X 2" HEAD & SPACER
3. METAL VERTICAL STIFFENING WILL COVER EXISTING stimulated frame with VERTICAL SPACER
4. BOLLARDS AND RAILING, SEE 3-3 1/2
5. ACCENT LEAF ON TOP OF PLANK
SEE SECTIONS 4-2 & 4-1/2
6. WINDOW SILL - PLASTER PAPILL, SEE 3-1/2
7. COLUMN COVER, SEE 3-3 1/2
8. APPLIQUE ON WALK, SEE 3-3 1/2
9. STAIRS APPLIQUE ON STAIR, SEE 3-1/2
10. DROPS, SEE 3-3 1/2
11. EXTENSION, PLASTER SUPPORT

OVERALL NORTH ELEVATION

OVERALL EAST ELEVATION
FIRST FLOOR REFLECTED CEILING PLAN
### Heat Exchanger Schedule

<table>
<thead>
<tr>
<th>Model</th>
<th>Heat Exchanger</th>
<th>Type</th>
<th>Inlet</th>
<th>Outlet</th>
<th>Pressure Drop</th>
<th>Temp</th>
<th>Flow Rate</th>
<th>Pressure Drop</th>
<th>Temp</th>
<th>Flow Rate</th>
<th>Pressure Drop</th>
<th>Temp</th>
<th>Flow Rate</th>
<th>Pressure Drop</th>
</tr>
</thead>
<tbody>
<tr>
<td>XHEX-1</td>
<td>Shell &amp; Tube</td>
<td>200</td>
<td>150°F</td>
<td>100°F</td>
<td>50°F</td>
<td>100°F</td>
<td>100°F</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XHEX-2</td>
<td>Plate &amp; Frame</td>
<td>250</td>
<td>120°F</td>
<td>80°F</td>
<td>40°F</td>
<td>120°F</td>
<td>80°F</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Expansion Tank Schedule

<table>
<thead>
<tr>
<th>Model</th>
<th>Expansion Tank</th>
<th>Volume</th>
<th>Diameter</th>
<th>Height</th>
<th>Pressure Drop</th>
<th>Temp</th>
<th>Flow Rate</th>
<th>Pressure Drop</th>
<th>Temp</th>
<th>Flow Rate</th>
<th>Pressure Drop</th>
<th>Temp</th>
<th>Flow Rate</th>
<th>Pressure Drop</th>
</tr>
</thead>
<tbody>
<tr>
<td>XETH-1</td>
<td>2000 gal</td>
<td>4</td>
<td>12 ft</td>
<td>12 ft</td>
<td>200 psi</td>
<td>120°F</td>
<td>1000 gpm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XETH-2</td>
<td>3000 gal</td>
<td>5</td>
<td>15 ft</td>
<td>15 ft</td>
<td>300 psi</td>
<td>150°F</td>
<td>2000 gpm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Typical Gas Connection Detail

- Gas supply line: NPT 1/2" x 8"
- Gas pressure regulator: 10 psi max

### Steam-Hot Water Piping Schematic

- Steam supply: 2" NPT inlet
- Hot water return: 1" NPT outlet
- Valves: 3-way valve

### Heat Exchanger Control

1. Flow rate adjustment: Use flow meter to adjust flow rate to maintain desired temperature and pressure.
2. Pressure relief valve: Set pressure relief valve at 15 psi to prevent over-pressurization.
3. Temperature control: Use temperature sensor to adjust heat input to maintain desired temperature.
SECOND FLOOR PLAN
## Lighting Fixture Schedule

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
<th>Type</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td>B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td></td>
<td>D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Abbreviations:**
- A: Aisle
- B: Bin
- C: Classroom
- D: Daylight
- E: Exit
- F: Fall
- G: Garage
- H: Hallway
- I: Indoors
- J: Joint
- K: Kitchen
- L: Library
- M: Main Hall
- N: Meeting Room
- O: Office
- P: Panda Board
- Q: Quarantine
- R: Restroom
- S: Stairwell
- T: Terrace
- U: University
- V: Village
- W: Wardrobe
- X: X-ray
- Y: Yard
- Z: Zone

**Symbol List:**
- A: Aisle
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**Drawing Index:**
1. Floor plan
2. Site plan
3. Electrical plan
4. Plumbing plan
5. Structural plan

**Electrical Site Plan:**
- Lighting fixtures
- Power outlets
- Switches
- Panels

**General Notes:**
- All security sensors shall be CEC approved.
- E1114A

**Facility Office:**
- E1114A

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**Terminal Connections:**
- E1114A

**Fire Panel:**
- Panel 1
- Panel 2
- Panel 3

**Exit Signs:**
- Left exit
- Right exit
- Center exit

**Lighting Fixtures:**
- Incandescent
- Fluorescent
- Halogen

**Electrical Panel:**
- Main panel
- Sub面板
- Lighting panel

**Testing Equipment:**
- Equipment 1
- Equipment 2

**Site Plan:**
- Site area
- Building area
- Access area

**Electrical Fixtures:**
- Light fixture
- Outlet
- Switch

**Control Panel:**
- Control panel A
- Control panel B

**Electrical System:**
- System 1
- System 2
- System 3

**Electrical Switches:**
- Switch 1
- Switch 2
- Switch 3

**Electrical Outlets:**
- Outlet 1
- Outlet 2
- Outlet 3

**Electrical Panels:**
- Panel 1
- Panel 2
- Panel 3

**Electrical Cables:**
- Cable 1
- Cable 2
- Cable 3

**Electrical Wires:**
- Wire 1
- Wire 2
- Wire 3

**Electrical Boxes:**
- Box 1
- Box 2
- Box 3

**Electrical Fuses:**
- Fuse 1
- Fuse 2
- Fuse 3

**Electrical Disconnects:**
- Disconnect 1
- Disconnect 2
- Disconnect 3

**Electrical Transformers:**
- Transformer 1
- Transformer 2
- Transformer 3
THIRD FLOOR REFLECTED CEILING PLAN
AS•BUILT IRRIGATION PLAN
FACULTY OFFICES I - CAL POLY

LEGEND
A REMOTE CONTROL VALVES
4 QUICK COUPLING VALVES
B REFINED ROUTE
C CONTROLLER
D WATER METER
E BACKFLOW

FOR USE AS
RECORD DRAWINGS

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