Permanence Fosters Change. Transience Informs Architecture.

Homelessness has been an ever present component of America culture, beginning as early as the late 18th century, (Kusmer 3). But it has only been since the latter half of the 20th century that homelessness has reached epidemic proportions (Burt). Homelessness affects individuals and families far more often today than ever before. Fortunately, awareness of the issue is beginning to keep pace, but the misperceptions of the homeless culture often remain. The dividing line in our society between those who have and those who do not rests squarely on the crux of permanence. The stability and security of the home that most Americans take for granted is the foundation that allows for healthy social development (Tsemberis). Creating a sense of permanence in the transient culture is key to both arresting the growth of homelessness and to beginning the proper dialogue which arises once this foundation is in place. The site of this project lends itself to this rift in our society between permanence and transience. Both culture and subculture intersect where the self indulgent consumerism of the Gateway Mall overlaps its homeless counterpart of the Salt Lake Community Shelter across the street. It seems an ideal location that a social nucleus for the homeless culture manifests itself here providing permanent and socially supported transitional housing for the transient community.

Energy Program

Given the stigmatized nature of shelters and ‘affordable housing’ solutions such as transitional housing, the issue of energy conservation in such a project can play a primary role in soothing neighborhood opposition by serving as an environmentally invisible social service. Conversely, the energy neutral nature of this building could set a national standard for subsequent developments elsewhere in the United States,
heightening environmental awareness and creating a very visible presence for itself in the community. And the possibility of replenishing the city grid via on site energy generation could ease economic tensions often attributed to the aspect of socially funded housing solution.

Energy conservation strategies within my project should include orientation of living units to maximize southern exposure, locating private living spaces adjacent to public communal spaces, orienting administrative and assistance offices toward the north for maximum natural daylighting and the creation of a central open air courtyard for both daylighting and natural stack ventilation.

Scheduling strategies can be very useful in conservation of building energy consumption as well. Due to the nature of counseling and case management support offices and their independent schedules, these spaces will often not be essential to building operations. Grouping the building program to isolate such offices and services can ease the energy load of the rest of the building. Zoning spaces for opportunities of all hour access, such as computer facilities, community lounge and kitchen can also help decrease thermal energy consumption. Lighting energy loads can be mitigated by the scheduling needs of the client offices and counseling and case management services and efforts to limit the necessity for high ambient electrical lighting throughout.

Other strategies could include rainwater harvesting via permeable rooftop gardens, site xeriscaping of indigenous and drought-resistant vegetation, bio reactor with grey water reclamation, use of reclaimed structural timbers and use of solar pv film on building glazing.
Resources


<table>
<thead>
<tr>
<th>Space</th>
<th>Activities</th>
<th>Occupants</th>
<th>Area</th>
<th>Height</th>
<th>Lighting</th>
<th>Schedule</th>
<th>Thermal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Childcare Facility</td>
<td>Daycare</td>
<td>Resident children</td>
<td>1400 sf</td>
<td>10' - 12'</td>
<td>High Ambient</td>
<td>8am - 9pm</td>
<td>Highly Controlled</td>
</tr>
<tr>
<td>Lounge/Comm Cntr</td>
<td>Community space for residents to relax / converse</td>
<td>Residents</td>
<td>2000 sf</td>
<td>12'</td>
<td>Daylit/Low Ambient</td>
<td>all hours</td>
<td>Moderately Controlled</td>
</tr>
<tr>
<td>Community Laundry</td>
<td>Laundry</td>
<td>Residents</td>
<td>300 sf</td>
<td>9'</td>
<td>High Ambient</td>
<td>8am - 9pm</td>
<td>Moderately Controlled</td>
</tr>
<tr>
<td>Community Kitchen</td>
<td>Food storage/prep</td>
<td>Residents</td>
<td>300 sf</td>
<td>9'</td>
<td>High Ambient</td>
<td>all hours</td>
<td>Moderately Controlled</td>
</tr>
<tr>
<td>Case Mgmt Offices</td>
<td>Private individual social work</td>
<td>Social Workers</td>
<td>450 sf</td>
<td>9'</td>
<td>Low Ambient/High Task</td>
<td>10am - 5pm</td>
<td>Highly Controlled</td>
</tr>
<tr>
<td>Computer Rm</td>
<td>Web access</td>
<td>Residents</td>
<td>200 sf</td>
<td>9'</td>
<td>Low Ambient/High Task</td>
<td>all hours</td>
<td>Highly Controlled</td>
</tr>
<tr>
<td>Counseling</td>
<td>Private individual social work</td>
<td>Social Workers</td>
<td>200 sf</td>
<td>9'</td>
<td>Low Ambient/High Task</td>
<td>10am - 5pm</td>
<td>Highly Controlled</td>
</tr>
<tr>
<td>Client Mgr</td>
<td>Administrative duties</td>
<td>Director</td>
<td>180 sf</td>
<td>9'</td>
<td>Low Ambient/High Task</td>
<td>9am - 5pm</td>
<td>Highly Controlled</td>
</tr>
<tr>
<td>Client Offices</td>
<td>Administrative duties</td>
<td>Admin Assistants</td>
<td>450 sf</td>
<td>9'</td>
<td>Low Ambient/High Task</td>
<td>9am - 5pm</td>
<td>Highly Controlled</td>
</tr>
<tr>
<td>Lobby/Reception</td>
<td>Information/Servicing public/residents</td>
<td>Public/Residents</td>
<td>300 sf</td>
<td>12' - 15'</td>
<td>Daylit/High Ambient</td>
<td>9am - 5pm</td>
<td>Moderately Controlled</td>
</tr>
<tr>
<td>Copy/Supply Rm</td>
<td>Storage/Supply for administration</td>
<td>Administrative</td>
<td>300 sf</td>
<td>9'</td>
<td>High Ambient</td>
<td>9am - 5pm</td>
<td>Moderately Controlled</td>
</tr>
<tr>
<td>Small Conf Rm</td>
<td>Meeting room for administration</td>
<td>Administrative</td>
<td>300 sf</td>
<td>10'</td>
<td>High Ambient</td>
<td>9am - 5pm</td>
<td>Moderately Controlled</td>
</tr>
<tr>
<td>Restrooms</td>
<td>Public/Administrative w.c.</td>
<td>Admin/Residents</td>
<td>600 sf</td>
<td>9'</td>
<td>Low Ambient</td>
<td>all hours</td>
<td>Moderately Controlled</td>
</tr>
<tr>
<td>IT Rm</td>
<td>Digital communication services</td>
<td>service access</td>
<td>80 sf</td>
<td>8'</td>
<td>Low Ambient</td>
<td>as needed</td>
<td>Highly Controlled</td>
</tr>
<tr>
<td>Janitorial Rm</td>
<td>Storage/Supply for janitorial services</td>
<td>service access</td>
<td>80 sf</td>
<td>9'</td>
<td>Low Ambient</td>
<td>as needed</td>
<td>Low Control</td>
</tr>
<tr>
<td>Mech Rm</td>
<td>House mechanical support services</td>
<td>service access</td>
<td>150 sf</td>
<td>10'</td>
<td>Low Ambient</td>
<td>as needed</td>
<td>Low Control</td>
</tr>
<tr>
<td>Elec Rm</td>
<td>House electrical support services</td>
<td>service access</td>
<td>150 sf</td>
<td>8'</td>
<td>Low Ambient</td>
<td>as needed</td>
<td>Low Control</td>
</tr>
</tbody>
</table>

Program Overview: Support Services / Transitional Family Housing
Scaled Program Diagram: Support Services / Transitional Family Housing

- **Direct Adjacency**
- **Hard Connection**
- **Soft Connection**

**Residential Units**
- **45,000 sf**

**Lounge/Comm Cntr**
- **2000 sf**

**Childcare Facility**
- **1400 sf**

**Kitchen**
- **300 sf**

**Laundry**
- **300 sf**

**Mech Rm**
- **150 sf**

**Electrical Rm**
- **160 sf**

**Computer Rm**
- **200 sf**

**IT Rm**
- **80 sf**

**Counselling**
- **200 sf**

**Case Mgmt Offices**
- **450 sf**

**Client Mgr**
- **180 sf**

**Client Offices**
- **300 sf**

**Copy/Supply Rm**
- **300 sf**

**Small Conf**
- **300 sf**

**Lobby/Reception**
- **300 sf**

**Restrooms**
- **600 sf**

**Janitor**
- **80 sf**
Lighting Requirements: Support Services / Transitional Family Housing

- Direct Adjacency
- Low Ambient
- Low Ambient/High Task
- High Ambient

Hard Connection
Soft Connection