Desired LEED" Certification: Silver Pending — 04/13/04)

ARCH

Austin Resource Center for the Homeless
Austin, Texas

Project Data

Owner:	City of Austin
Architect:	LZT Architects, Inc.
MEP Engineer:	Encotech Engineering Consultants, Inc.
Structural Engineer:	PE Structural Consultants, Inc.
Civil Engineer:	Urban Design Group
Landscape Architect:	Winterowd Associates, Inc.
Interior Designer:	Bethany Ramey
Sustainability Consultant:	CMPBS
Commissioning Agent:	ACR Engineering
Contractor:	Journeyman Construction
Date:	February 2004
Cost:	$5,004,616 (CO-5)
Size:	26,820 SF
Use Group:	Transitional Housing, Hospital Limited Services, Guidance Services
Lot Size:	0.405 Acre

Mission Statement

- Create a building which reflects an attitude of outreach, openness, accessibility and respect for the homeless
- Create a manageable, clean and safe streetscape
- Create a clean, durable, flexible, efficient easily maintained building
- Create a facility that makes economical use of the site and which can be easily adapted
- Create a facility to meet LEED" Certified Level

Sustainable Site

- Brownfield site requiring extensive hazardous material remediation
- Reflective roof coatings (75% reflective; 0.91 Emissivity)
- Elimination of light trespass into the night sky and adjacent private property
- Bicycle parking and changing facilities
- 6 bus lines within _ mile
- Fueling station for electric vehicle
- Preferred parking for car/van pools, limited parking spaces for single passenger vehicles

Water Efficiency

- 13,000 gallon rain water collection system for 100% of the irrigation and alternate supply for toilets and urinals
- Exclusive use of native or adapted plant materials
- An estimated 50% savings/year on landscape irrigation water
- Infrared faucet controls
- 30% less indoor water use saving approximately 600,000 gallons/year
- 50+% reduction in wastewater generation due to rain water flushing

Energy and Atmosphere

- Daylight harvesting
- An aggregate total of 1.68 Watts of lighting
- Used 12 SEER RTU s for an estimated 20% annual energy savings over baseline conditions
- Implemented CFC and HCFC free refrigeration for main building systems
- 48 donated PV panels contribute 0.43% of electrical power requirement
- Solar hot water supplemental pre-heating system
- Exterior solar shading of windows
- Motion detection lighting controls exceed requirements of Texas SB5 and ASHRAE 90.1