LEED-NC Version 2.1 Registered Project Checklist

Camp Aldersgate Commons Little Rock, AR

Camp Aldersgate Commons Little Rock, AR

Yes	?	No			
7		7	**Sustainable Sites**		14 Points
Y			Prereq 1	**Erosion & Sedimentation Control**	Required
y			Credit 1	**Site Selection**	1
		n	Credit 2	**Development Density**	1
		n	Credit 3	**Brownfield Redevelopment**	1
		n	Credit 4.1	**Alternative Transportation**, Public Transportation Access	1
y			Credit 4.2	**Alternative Transportation**, Bicycle Storage & Changing Rooms	1
		n	Credit 4.3	**Alternative Transportation**, Alternative Fuel Vehicles	1
y			Credit 4.4	**Alternative Transportation**, Parking Capacity and Carpooling	1
y			Credit 5.1	**Reduced Site Disturbance**, Protect or Restore Open Space	1
y			Credit 5.2	**Reduced Site Disturbance**, Development Footprint	1
		n	Credit 6.1	**Stormwater Management**, Rate and Quantity	1
		n	Credit 6.2	**Stormwater Management**, Treatment	1
y			Credit 7.1	**Landscape & Exterior Design to Reduce Heat Islands**, Non-Roof	1
		n	Credit 7.2	**Landscape & Exterior Design to Reduce Heat Islands**, Roof	1
Yes			Credit 8	**Light Pollution Reduction**	1

Yes	?	No			
6	?	7			
4		1	**Water Efficiency**		5 Points
y			Credit 1.1	**Water Efficient Landscaping**, Reduce by 50%	1
y			Credit 1.2	**Water Efficient Landscaping**, No Potable Use or No Irrigation	1
		n	Credit 2	**Innovative Wastewater Technologies**	1
y			Credit 3.1	**Water Use Reduction**, 20% Reduction	1
y			Credit 3.2	**Water Use Reduction**, 30% Reduction	1

Yes	?	No			
8		9	**Energy & Atmosphere**		17 Points
Y			Prereq 1	**Fundamental Building Systems Commissioning**	Required
Y			Prereq 2	**Minimum Energy Performance**	Required
Y			Prereq 3	**CFC Reduction in HVAC&R Equipment**	Required
y			Credit 1	**Optimize Energy Performance**	1 to 10
		n	Credit 2.1	**Renewable Energy**, 5%	1
		n	Credit 2.2	**Renewable Energy**, 10%	1
		n	Credit 2.3	**Renewable Energy**, 20%	1
		n	Credit 3	**Additional Commissioning**	1
		n	Credit 4	**Ozone Depletion**	1
		n	Credit 5	**Measurement & Verification**	1
y			Credit 6	**Green Power**	1

continued...

Yes	?	No
6		7

Materials & Resources — 13 Points

Yes	?	No			
Y			Prereq 1	**Storage & Collection of Recyclables**	Required
		n	Credit 1.1	**Building Reuse**, Maintain 75% of Existing Shell	1
		n	Credit 1.2	**Building Reuse**, Maintain 100% of Shell	1
		n	Credit 1.3	**Building Reuse**, Maintain 100% Shell & 50% Non-Shell	1
Y			Credit 2.1	**Construction Waste Management**, Divert 50%	1
Y			Credit 2.2	**Construction Waste Management**, Divert 75%	1
		n	Credit 3.1	**Resource Reuse**, Specify 5%	1
		n	Credit 3.2	**Resource Reuse**, Specify 10%	1
Y				**Recycled Content**, Specify 5% (post-consumer + ½ post-industrial)	1
Y			Credit 4.2	**Recycled Content**, Specify 10% (post-consumer + ½ post-industrial)	1
Y			Credit 5.1	**Local/Regional Materials**, 20% Manufactured Locally	1
Y			Credit 5.2	**Local/Regional Materials**, of 20% Above, 50% Harvested Locally	1
		n	Credit 6	**Rapidly Renewable Materials**	1
		n	Credit 7	**Certified Wood**	1

Yes	?	No
10		5

Indoor Environmental Quality — 15 Points

Yes	?	No			
Y			Prereq 1	**Minimum IAQ Performance**	Required
Y			Prereq 2	**Environmental Tobacco Smoke** (ETS) **Control**	Required
Y			Credit 1	**Carbon Dioxide** (CO_2) **Monitoring**	1
		N	Credit 2	**Ventilation Effectiveness**	1
		N	Credit 3.1	**Construction IAQ Management Plan**, During Construction	1
Y			Credit 3.2	**Construction IAQ Management Plan**, Before Occupancy	1
Y			Credit 4.1	**Low-Emitting Materials**, Adhesives & Sealants	1
Y			Credit 4.2	**Low-Emitting Materials**, Paints	1
Y			Credit 4.3	**Low-Emitting Materials**, Carpet	1
		N	Credit 4.4	**Low-Emitting Materials**, Composite Wood & Agrifiber	1
Y			Credit 5	**Indoor Chemical & Pollutant Source Control**	1
		N	Credit 6.1	**Controllability of Systems**, Perimeter	1
		N	Credit 6.2	**Controllability of Systems**, Non-Perimeter	1
Y			Credit 7.1	**Thermal Comfort**, Comply with ASHRAE 55-1992	1
Y			Credit 7.2	**Thermal Comfort**, Permanent Monitoring System	1
Y			Credit 8.1	**Daylight & Views**, Daylight 75% of Spaces	1
Y			Credit 8.2	**Daylight & Views**, Views for 90% of Spaces	1

Yes	?	No
5		

Innovation & Design Process — 5 Points

Yes	?	No			
Y			Credit 1.1	**Innovation In Design: Life Cycle Environmental Analysis**	1
Y			Credit 1.2	**Innovation In Design: Green Building Education**	1
Y			Credit 1.3	**Innovation In Design: Exceed Water Efficiency at 49.41%**	1
Y			Credit 1.4	**Innovation In Design: Exemplary Performance of Regionally Manu**	1
Y			Credit 2	**LEED™ Accredited Professional**	1

Yes	?	No
40		29

Project Totals (pre-certification estimates) — 69 Points

Certified 26-32 points **Silver** 33-38 points **Gold** 39-51 points **Platinum** 52-69 points

Green Projects Entry
Camp Aldersgate Commons

Section 1 - Project Overview Information Part 1

Project name:	Camp Aldersgate Commons
Project owner:	Women's Division of the United Methoc
Project address:	2000 Aldersgate Road Little Rock, AR 72205
Submitting architect:	Wilcox Group/ Architects
Joint venture or associate architect:	RPPY Architects

Section 2 - Project Overview Information Part 2

Project completion date:	9/2004 *(m/y) forma*
Project Site:	Previously undeveloped - Greenfield Sit
Project type:	Assembly
Project site context/setting:	Suburban
Other Building description:	New
Lot size:	20000.00 ft2
Building gross floor area:	12000 ft2
BOMA floor area method used?:	no
Number of permanent occupants:	0
Number of visitors:	60
Occupants (hours/week/occupant):	0
Visitors (hours/week/visitor):	4
Total project cost:	$2,500,000

Section 3 - Project Overview General Description

General description:

The Camp Aldersgate Commons is the primary buildin
120- acre site. Camp Aldersgate's programs include ye
with disabilities, weekly Seniors day out and summer r
disabilities, developmental delays and diverse medical

dystrophy. While never permanently occupied, the buil
includes the preparation and serving of three meals a
activities and meals, wheelchair dances, arts and craft

The 12,000 sf "Camp Commons" is the first building in
seamlessly exceed accessibility standards and to set a
for property owned by faith-based entities. To ensure
team included wheelchair users in their integrated pro
inefficient facilities that did not meet the needs of the
that the building should elevate awareness of the fragi
impact on the children and seniors served here.

Section 4 - Top Ten Measures

Top Ten Measure 1: Sustainable Design Intent & Innovation

Key environmental aspects: Updating an older master plan the design team
central to all the camp activities, placing it on
the wheelchair accessible terrain. The southern
the camp and the mature shade trees are bene
months. Minimizing the site impact was a desig
to keep tree loss to a minimum and to be more

At its simplest, the design parti developed out
coupled geothermal system to achieve econom
to this non-profit's long-term sustainability. Th
center of the building where the concourse bec
as a "hall of trees"- it is crafted to inspire both
representation of the camp's natural surroundi
informal gathering space it rises above the mai
the visual and physical focal point for campers.

Top Ten Measure 2: Regional/Community Design & Connectivity

Regional/Community Design: Camp Aldersgate has been an Arkansas t
history as one of the first racially integrat
National Historic Site of the United Metho
point and retreat for generations of scouti
citizens and most recently, Katrina evacu
serving the community in many outreach
natural environment with large expanses
Exceeding accessibility standards for the
automated entries, generous rooms for w
restrooms constructed without entry yet
modesty and privacy of campers needing

Zoned an open site the camp is exempt fr
no new parking spaces were added. For la
parking and bused to the camp, while sen
vans. All new pathways leading to the cor
to accommodate pedestrians, wheelchairs
available and there are about 100 designa

Use other transport options:

stimulating indoor environmental quality
run continuously during building occupanc
automated system uses space CO2 senso
reach a high limit set point. Low VOC pair
selected, as were products without formal
IAQ test based on the State of Washingto
building has a permanent temperature an
indoor chemical and pollutant source cont
mechanically ventilated most of the year

Percent of building area that is daylit:	75%
Percent of building that can be ventilated or cooled with operable windows :	67%

Top Ten Measure 6: Water Cycle

Water Cycle:

The building was sited to ma
empties into the recreationa
building becomes elevated o
toward the creek that has na
survey was conducted to ide
none were found. All storm
site as described above. The
installed on site and for any
rainwater collection system

The fixtures selected for the
using 30% less potable wate
requirements of the Energy
comprised of a lake-coupled
ensure that the water qualit
adversely impacted by the la
conducted.

Precipitation managed on site:	100%
Total water used indoors:	118940 gal/yr
Toal water used outdoors:	0 gal/yr
Percent of total water from reclaimed sources:	0%
Percent wastewater reused on-site:	
Calculated annual potable water use:	9.91 gal/sf/yr

Top Ten Measure 7: Energy Flows & Energy Future

Energy description:

After more than a year in operation, energy values were revised by remode
The analysis revealed that the Commons building is 42% more efficient tha
lake-coupled geothermal heat pump system was selected as the most cost
reduce the use of fossil fuels. Using the lake for heating and cooling, there
hydronic hot water, no electric back-up heat and no gas furnaces. Further,
water source heat pump loop throughout the building allowing the pumps t
Supplemental duct coils were used in order to use some of the waste energ
humidity control.

Additional measures that increased efficiency include a building envelope d

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A DIVISION OF CRAFTON, TULL & ASSOCIATES, INC.
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Little Rock, AR 72211-3554
Ph. (501) 664-3245 • Fx. (501) 664-6704
www.icearkansas.com • www.craftontull.com

JOB NO. _____ SHEET NO. _____ OF _____
CLIENT: _____
PROJECT: _____
SUBJECT: _____ SCALE: _____
CALCULATED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

UNIT	SIZE (MBH)	(90.1-1989) REQ'D EER/COP	PROVIDED EER/COP
HP-1	8	9.5/3.0	12.9/4.6
2A	81	8.9/3.0	9.1/3.7
2B	81	8.9/3.0	9.1/3.7
3	32	9.5/3.0	13.7/4.7
4	102	8.9/3.0	9.7/3.7
5	11	9.5/3.0	13.2/4.4
6	132	8.9/3.0	16.5/3.5
7A	163	8.5/2.9	15.0/4.8
7B	163	8.5/2.9	13.0/4.8
8	34	9.5/3.0	12.0/4.2

PREMIUM FOR GEOTHERMAL SYSTEM = $25,000.00

AIR-AIR HP W/ ELEC. HEAT = 172,002.2 KWH/YR = $12,865.75/YR

GEOTHERMAL HP SYSTEM = 48,685.1 KWH/YR = $3,641.65/YR

AVERGE $/KWH = $0.0748

$9,224.10/YR SAVINGS

$$\text{SIMPLE PAYBACK PERIOD} = \frac{\text{COST}}{\text{ANN. SAVINGS}} = \frac{\$25,000.00}{\$9,224.10}$$

= 2.7 YRS

SIMPLE PAYBACK < 3 YEARS

Regulated					
Lighting	Electric	29,440.0	0	22,919.3 $	3,128.63
Space Cooling	Electric	31,636.8	0	310,388.2 $	3,362.08
Space Heating	Electric	2,041.6	0	5,620.0 $	216.96
Fans/Pumps	Electric	12,236.7	0	121,013.0 $	1,300.41
Domestic Hot Water	Electric	2,228.8	0	21,866.5 $	236.86
Domestic Hot Water	Natural Gas	0.0	369.7	$	388.14
Subtotal Regulated (DEC)		77,583.9	370	481,807.0 $	8,633.08
Non-Regulated					
Lighting	Electric	474.5	0	4,858.9 $	50.43
Plug Loads	Electric	10,421.3		111,349.5 $	1,107.48
Subtotal Non-Regulated (DEC)		10,895.8	0	116,208.4 $	1,157.91
Total Building		88,479.7	370	598,015.4 $	8,683.51
Subtotal Regulated		77,583.9	370	481,807.0 $	8,633.08
Subtotal Renewable		0	0	0 $	-
Design Energy Cost		77,583.9	369.7	481,807.0 $	8,633.08

Regulated					
Lighting	Electric	28536.4	0	357071.1 $	3,048.79
Space Cooling	Electric	49913.6	0	512966.3 $	5,332.71
Space Heating	Electric	40643.7	0	384872.9 $	4,342.32
Fans/Pumps	Electric	14326.2	0	144352.1 $	1,530.59
Domestic Hot Water	Electric	2228.8	0	21495.5 $	236.86
Domestic Hot Water	Natural Gas	0.0	439.0	$	460.92
Subtotal Regulated (ECB)		135,648.7	439.0	1,420,757.9 $	14,952.20
Non-Regulated					
Lighting	Electric	70226	0	719116.1 $	7,502.86
Plug Loads	Electric	10421.3	0	111349.5 $	1,107.48
Subtotal Non-Regulated (ECB)		80647.3	0	830465.6 $	8,610.35
Total Building		216295.9805	438.9705882	2251223.491 $	23,562.54
Subtotal Regulated		135648.6805	438.9705882	1420757.891 $	14,952.20
Energy Cost Budget		135648.6805	438.9705882	1420757.891 $	14,952.20

Energy Cost Budget	$	14,952.20
Design Energy Cost	$	8,633.08
%savings = 100 x (ECB-DEC)/ECB		42.3%

Energy Cost Budget	$	23,562.54
Design Energy Cost	$	8,683.51
%savings = 100 x (ECB-DEC)/ECB		63.1%

ENERGY CONSUMPTION SUMMARY

By Trane

	Elect Cons. kWh	Water Cons. 1000 gals	Percent of Total Energy	Total Source Energy* (kBtu/yr)
Primary heating				
Primary heating	2,087.8		2.3 %	21,379.3
Primary cooling				
Cooling Compressor	31,453.0		34.8 %	322,079.7
Tower/Cond Fans	3,468.7	64.2	3.8 %	35,519.6
Condenser Pump	577.1		0.6 %	5,909.1
Other CLG Accessories	219.0		0.2 %	2,242.6
Cooling Subtotal....	35,717.8	64.2	39.6 %	365,750.9
Auxiliary				
Supply Fans	11,720.5		13.0 %	120,018.2
Circ Pumps			0.0 %	0.0
Base Utilities	474.5		0.5 %	4,858.9
Aux Subtotal....	12,195.0		13.5 %	124,877.1
Lighting				
Lighting	29,440.0		32.6 %	301,466.7
Receptacle				
Receptacles	10,873.5		12.0 %	111,344.9
Heating plant load				
Base Utilities			0.0 %	0.0
Cogeneration				
Cogeneration			0.0 %	0.0
Totals				
Totals**	90,314.1	64.2	100.0 %	924,818.9

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 6 utilities. If additional utilities are used, they will be included in the total.

Project Name: Camp Aldersgate

Dataset Name: C:\CDS\TRACE700\Projects\ALDRSGTAIA.TRC

ENERGY CONSUMPTION SUMMARY

By Trane

	Elect Cons. kWh	Percent of Total Energy	Total Source Energy* (kBtu/yr)
Primary heating			
Primary heating	50,999.9	22.6 %	522,240.6
Primary cooling			
Cooling Compressor	49,475.6	21.9 %	506,631.1
Tower/Cond Fans	4,405.6	2.0 %	45,113.2
Condenser Pump		0.0 %	0.0
Other CLG Accessories	438.0	0.2 %	4,485.1
Cooling Subtotal....	54,319.2	24.0 %	556,229.5
Auxiliary			
Supply Fans	9,920.6	4.4 %	101,587.3
Circ Pumps		0.0 %	0.0
Base Utilities	70,226.0	31.1 %	719,116.1
Aux Subtotal....	80,146.6	35.4 %	820,703.4
Lighting			
Lighting	28,536.4	12.6 %	292,213.1
Receptacle			
Receptacles	12,163.8	5.4 %	124,557.6
Heating plant load			
Base Utilities		0.0 %	0.0
Cogeneration			
Cogeneration		0.0 %	0.0
Totals			
Totals**	226,165.9	100.0 %	2,315,944.0

* Note: Resource Utilization factors are included in the Total Source Energy value.

** Note: This report can display a maximum of 6 utilities. If additional utilities are used, they will be included in the total.

Project Name: Camp Aldersgate

Datas `me: C:\CDS\TRACE700\Projects\ALDRSGTAIA.TRC

are 35% better than that required by ASHRAE standard 90.1-1999. High ef
which had 95% AFUE ratings vs. the required 80% AFUE. The building inclu
90% less artificial lighting than that allowed by ASHRAE Standard 90.1-199

Since it was not possible to purchase green power locally the camp's board
Green-E certificate from Renewable Choice to encourage and educate the p
means of a publically displayed board. This purchase represents the replace
power and reduces the amount of CO2 by 138,393 pounds.

Light sensors were utilized throughout the building that help reduce peak e
primary function for summer camp is to operate during peak power consum

Performance Rating

EPA

HERS

Percent total energy savings 4

Total energy (Btu/sf/yr)

Electricty (Btu/sf/yr)

Natural gas (Btu/sf/yr) -

Other: (Btu/sf/yr)

Heating (Btu/sf/yr)

Cooling (Btu/sf/yr)

Cooling capacity (sf/ton) 1

Lighting load connected (W/sf) 1

Lighting load after controls (W/sf)

Plug load (W/sf)

Peak electricty demand (W/sf)

Percent on-site renewable energy (%)

Percent grid-supplied renewable energy (%)

Energy data attachment V

Supplemental Narrative

The base case data for the energy model was taken from minimum requirer
Standard 90.1-2004, Energy Standard for Buildings Except Low-Rise Reside
governed the minimum requirements at the time of actual system design w
The design case system data that was input into the model exceeded all rec
budget and design energy cases were modeled with Trace 700 v.4.1. Trace
which requires building energy simulation programs to be tested using ANS
140 is based on the International Energy Agency (IEA) BESTEST 1995. A fo
of the building energy simulation software specifies test procedures for eva
program applicability.

Top Ten Measure 8: Materials & Construction

Materials description:

Material selections were based on resource conser
considerations for the upstream environmental im
Green, was used to evaluate building assemblies a
six different environmental indicators, three buildi

carried the largest burden; tectum for the ceilings wall system. To minimize the impact, the tectum masonry was reduced by 25% and a different alur recycled content was selected.

The primary goal in the selection of materials was seniors who use the building the most. Prudent ch material cost and low maintenance. Paints, stains, for their low VOC content. Several products contai with 30% slag content, all structural steel, gypsur standing seam metal roof. Over 50% of all the bu manufactured and extracted regionally and over 7

Top Ten Measure 9: Long Life, Loose Fit

Long life, loose fit: The Commons multipurpose building currently serves groups, therefore it was designed for maximum flexit evolved its programming to serve the community bas only state provider of its kind for residential medical many children, it is the highlight of their year. The lo profit was recently boosted significantly by a generou programs, in part, due to the staying power conveyec

The Camp's board of directors had challenged the des new structures to a 100-year standard. Consequently selected with timeless qualities in mind resulting in a and metal roof (all of which can be reused or recyclec wood ceiling decking and the organically stained conc maintenance and substance. The four pairs of interio maximum flexibility.

Top Ten Measure 10: Collective Wisdom & Feedback Loops

Collective Wisdom & Feedback Loops: A grant made possible by the Arkans Energy unit, enabled the team to util cost analysis) an upstream cost-mod Management District provided free cc waste management plan to divert up understanding with the DOE's Rebuil team with valuable assistance from t lighting and daylighting strategies al Trane Arkansas provided pro-bono e with results from two different labora one-year free monitoring of the build satisfaction of the camp.

Fundamental commissioning was req Due to job changes the role of the co was one of the biggest challenges to third party commissioning agent was occupied.

All of these strategies and partnershi AR Energy Unit, SMARTER ARCHITEC Arkansas. Five thousand copies were

raising tool and they were also distril
encourage more effective public polic

Section 5 - Project Economics

Finance:

This project was funded through the efforts of a
members, volunteers and staff of Camp Aldersg
total project cost were raised prior to constructi

The life-cycle cost analysis performed during de
making cost saving decisions that also resulted
associated with certain products, their manufac

The design team and staff selected a contractor
the design process to monitor construction cost
the cost savings were not apparent in the desig
along with the contractor agreed to bid the proj
The lowest bid was accepted and the project wa

Cost and payback analysis: The analysis of two mechanical systems resulte
heat pumps. The premium paid for the geotherr
performing standard air-to-air heat pumps in 2(
months of electric bills the air-to-air HP w/ elec
costing the camp $12,865.75/yr. The geotherm
and costs the camp $3,641.65/yr. The average
for selecting the lake-coupled geothermal HP sy
less than three years.

Since the lake was approximately .25 miles awa
as a ground source for the heat pumps was eva
Soil conductivity tests were performed and it wa
wells would be required at a cost of $100,000.
trench to the lake and install the racks of coils,
Trenching to the lake was done along existing p
significantly over the vertical wells.

Section 6 - Process and Results

PreDesign:

A unique, community-invited pre-design charr
environmental consultant along with a Mac Art
elevate the status of the disabled children and
sustainable design. This charrette galvanized t
to achieve a LEED Gold certification on the Cor
venture sustainable/accessible design/build pr
School of Architecture and Camp Aldersgate. I
achieved the LEED Gold certification and stude
treehouse,an archery pavilion and an outdoor
reused and recycled products. Several design t
students on their projects and conduct tours fc
student projects.

Design:

In an integrated process, design-team meetinc
members. The LEED checklist was reviewed at
points were reviewed weekly during constructi

agent.

Construction Process:

Operations/maintenance:

Commissioning: A third party commissioning agent was under construction.

Measurement & verification/ post-occupancy evaluation: Trane Arkansas continues to measure the perf

Rating System Name: U.S. Green Building Council LEED-NC,
Version: v2
Rating Date: 06/09/05
Score or rating level: gold
39 total

Credits:
Sustainable Sites 7 points
Water Efficiency 4 points
Energy & Atmos. 8 points
Materials & Res. 6 points
IEQ 10 points
Innovation 4 points

Sections 7: Visuals

Exhibit A

84662(COTE).jpg

Image has been scaled down. Click it to view

Photo/Image credit: Tim Hursley
Description: Entrance canopy at the "hall of trees"

Exhibit B

84219(COTE).jpg

Image has been scaled down. Click it to view

Photo/Image credit: Tim Hursley
Description: South facade gathers natural light

Exhibit C

84659_COTE_.jpg

Image has been scaled down. Click it to view

Photo/Image credit: Tim Hursley
Description: expansive space and daylighting at "hall of tr

Exhibit D

Region & site plan(COTE).jpg

Image has been scaled down. Click it to view

Photo/Image credit: Mark Littrell
Description: context and site plan

Exhibit E

plan&elev(COTE).jpg

Image has been scaled down. Click it to view

Photo/Image credit: JB Mullins - Wilcox Group Architects
Description: Plan, elevation and section

Exhibit F

84660(COTE).jpg

Image has been scaled down. Click it to view

Photo/Image credit: Tim Hursley
Description: Indoor & outdoor classroom at East porch

Exhibit G

84673(COTE).jpg

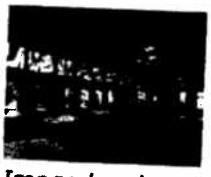

Image has been scaled down. Click it to view

Photo/Image credit: Tim Hursley
Description: Dining hall invites natural light & forest indoo

Exhibit H

cistern(COTE).jpg

Image has been scaled down. Click it to view

Photo/Image credit: Mark Littrell - Wilcox Group Architects
Description: 700 Gallon rainwater collection at north eleva

Exhibit I

Rain1_COTE_.jpg

Image has been scaled down. Click it to view

Photo/Image credit: Wesley Walls - Wilcox Group Architects
Description: A fresh rain at the South porch

Exhibit J

84665(COTE).jpg

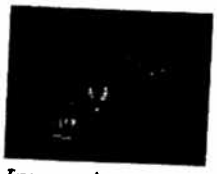

Image has been scaled down. Click it to view

Photo/Image credit: Tim Hursley
Description: Evening view at South entry porch

Sections 8: Project Team

Primary Contact
Martha Jane Murray
Wilcox Group/ Architects
Architect (environmental building consultant)
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wwalls@thewilcoxgroup.com

Martha Jane Murray
Wilcox Group/ Architects

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For more information about the AIA/COTE Top Ten Green Projects, contac
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