					•		,								
Yes Likely Not	No		Levels: Certified 26-32 points, Silver 33-38 points,					1		Credit 2.2	Construction Waste Management: Divert 75% from disposal	Divert construction and demolition debris from disposal in landfills and incinerators. Redirect recyclable recovered resources back to the manufacturing process. Redirect reusable materials to appropriate sites.	Suffolk	Suffolk docs	Suffolk to confirm.
			Gold 39-51 points, Platinum 52-69 points						1	Credit 3.1	Materials Reuse 1	Reuse buildings materials and products in order to reduce demand for virgin materials and to reduce waste, thereby reducing impacts associated with the extraction and processing	N/A	N/A	
37 9 6	15				Discipline	Drawing						of virgin resources. Reuse buildings materials and products in order to reduce			
9 3 1	1	Sustainable sites	Construction Activity Pollution	Credit Intent Reduce pollution from constructive activities by	esponsible	Reference	Assessment Comments The project will implement an Erosion and Sedimentation		1	Credit 3.2	Materials Reuse 1	demand for virgin materials and to reduce waste, thereby reducing impacts associated with the extraction and processing of virgin resources.	N/A	N/A	
		Prereq 1	Prevention	airborne dust generation. Avoid development of inappropriate sites and reduce the	Terra	C-12	Control Plan as per code requirements. Confirm site elevation is not lower than 5' above	1		Credit 4.1	Recycled Content: 10% (post-consumer + 1/2 pre-consumer)	Recycled Content, 10% (post-consumer + ½ pre-consumer)	Suffolk / ARQ / P&A	Specs / Suffolk docs	The project will use recycled content in the concrete (fly-ash), rebar, glass, aluminum framing, etc. for a min. of 10% of the total value of the project.
1		Credit 1	Site Selection Development Density &	site. Channel development to urban areas with existing	-	On-line LEED A0.05	elevation of 100 year flood plane as defined by FEMA. Option 2: Community Connectivity with 10 community	1	1	Credit 4.2	Recycled Content: 20% (post-consumer + 1/2 1 pre-consumer)	Recycled Content, 20% (post-consumer + ½ pre-consumer)	Suffolk / ARQ / P&A	Specs / Suffolk docs	The project will attempt to use recycled content in the concrete (fly-ash), rebar, glass, aluminum framing, etc. for a min. of 20% of the total value of the project.
1		Credit 2	Community Connectivity	infrastructure, protect greenfields and preserve habitat and natural resources. Rehabilitate damaged sites where development is	ARQ		services within 1/2 mile of site.	1		Credit 5.1	Regional Materials: 10% extracted, processed, manuf'd 1 regionally	Regional Materials, 10% Extracted, Processed & Manufactured Regionally	Suffolk / ARQ / P&A	Specs / Suffolk	The project will use regionally sourced content in the concrete (fly-ash), rebar, glass, stone, etc. for a min. of 10% of the total value of construction.
	1	Credit 3	Brownfield Development	complicated by environmental contamination, reducing pressure on undeveloped land.	N/A	N/A	Project site is not applicable. Option 2: New bus stop or campus transit is needed	1		Credit 5.2	Regional Materials: 20% extracted, processed, manuf'd	Regional Materials, 20% Extracted, Processed & Manufactured Regionally	Suffolk / ARQ / P&A / ArgGEO	Specs / Suffolk	The project will attempt to use regionally sourced content in the concrete (fly-ash), rebar, glass, stone, etc. for a min. of 20% of
1		Credit 4.1 Credit 4.2	Alternate Transportation Alternate Transportation	Public transportation access.	N/A ARQ	N/A TBD	within 1/4 mile of the building. Shower/changing facilities in Public Safety building are		1	Credit 6	regionally Rapidly Renewable Materials 1	Encourage environmentally responsible forest management.	N/A	N/A	the total value of construction.
1		Credit 4.3	Alternate Transportation	Bicycle storage and changing rooms. Low emitting fuel-efficient fuels	ARQ	A1.00	not within 200 yards of building entry. Option 2: consider providing preferred parking spaces for hybrid (low-emitting, fuel-efficient) vehicles.	1		Credit 7	Certified Wood 1	Encourage environmentally responsible forest management.	Suffolk / ARQ	Specs / Suffolk docs	A minimum of 50% of the wood materials and products will be from FSC-certified companies.
1		Credit 4.4 Credit 5.1	Alternate Transportation Site Development: Protect or Restore Habitat	1 Parking capacity. Conserve existing natural areas and restore damaged areas to provide habitat and promote biodiversity.	ARQ ArqGEO		No additional parking provided by project. Option 2: With SSc2, green roof and 1 in 4 retention	Yes L	_ikely Not No						
1		Credit 5.2	Site Development: Maximize Open Space	Provide a high ratio of open space to development footprint to promote biodiversity.	ArqGEO	L1.01, L1.03, L1.05	Option 2: With SSc2 and green roof.	9 1	Likely No	Indoor Environmental	15 PT	'S Credit Intent	Discipline Responsible	Drawing Reference	Assessment Comments
1		Credit 6.1	Stormwater Design: Quantity Control	Limit disruption of natural hydrology by reducing impervious cover, increasing on-site infiltration, and managing stormwater runoff.	Terra	C-6, C-9, C-10, C-11	Project will implement stormwater design as per code and prevent/decrease stormwater run-off with green roof, exfiltration trench and retention pond.			Quality	LEEC	Establish minimum indoor air quality (IAQ) performance to	Responsible	M-11	The ventilation systems will meet the minimum outdoor air ventilation rates and balance the impact of ventilation rates with
1		Credit 6.2	Stormwater Design: Quality Control	Limit disruption of natural hydrology by reducing impervious cover, increasing on-site infiltration, managing stormwater runoff.	Terra	C-6, C-9, C-10, C-11	The stormwater management plan and landscaping design reduce impervious area, promotes infiltration and provides natural integrated treatment systems.			Prereq 1	Minimum IAQ Performance Req'c	comfort and well-being of the occupants.	MEP	(100%CD Set)	energy use and indoor air quality.
1 /		Credit 7.1	Heat Island Effect: Non-Roof	Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize	ArqGEO	L1.01	Option 1: Project is designed with min. 50% of the hardscape site shaded, paved with a high SRI and			Prereq 2	Environmental Tobacco Smoke (ETS) Control Req'o	Minimize exposure of building occupants, indoor surfaces, and ventilation air distribution systems to Environmental Tobacco Smoke (ETS)	ARQ	A1.00, A1.01	Smoking will be prohibited.
1		Credit 7.2	Heat Island Effect:	1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	RQ/ArqGEO	L1.05, A1.06	pervious material. Option 1: Green roof and office roofing materials to have a Solar Reflectance Index (SRI) equal to or greater than	1		Credit 1	Outdoor Air Delivery Monitoring 1	Provide capacity for ventilation system monitoring to help sustain occupant comfort and well-being.	MEP	M-11 (100%CD Set)	The building will have carbon dioxiode and airflow meaurement equipment that will feed information to the HVAC system.
				impact on microclimate and human wildlife habitat. Minimize light trespass from the building and site, reduce sky-glow to increase night sky access, improve nighttime		Exterior	required values		1	Credit 2	Increased Ventilation 1	Provide additional outdoor air ventilation to improve indoor air quality for improved occupant comfort, well-being and productivity.	MEP	M-11 (100%CD Set)	Not feasible for humid climates.
1		Credit 8	Light Pollution Reduction	visibility through glare reduction, and reduce development impact on nocturnal environments.	MEP	(100%CD Set)	Option LZ3 Zone	1		Credit 3.1	Construction IAQ Management Plan: During construction	Reduce indoor air quality problems resulting from the construction/renovation process in order to help sustain the comfort and well-being of construction workers and building occupants.	Suffolk	Specs (100%CD Set)	Included as per discussion with Suffolk.
Yes Likely Not Likely	No				Discipline	Drawing			1	Credit 3.2	Construction IAQ Management Plan: Before Occupancy	Reduce indoor air quality problems resulting from the construction/renovation process in order to help sustain the comfort and well-being of construction workers and building	Suffolk	TBD	Included as per discussion with Suffolk.
4 0 1	0	Water Efficiency Credit 1	Water Efficient Landscaping:	Credit Intent Limit or eliminate the use of potable water, or other	esponsible ArqGEO	Reference	Assessment Comments Acheivable with drought tolerant, native plants.	1		Credit 4.1	Low-Emitting Materials:	occupants. Low-Emitting Materials, Adhesives & Sealants	Suffolk / ARQ	Specs	Low-VOC adhesive and sealant materials will be specified. This requires the GC to strictly supervise subs since all
		Credit 1	Reduce by 50% Water Efficient Landscaping:	on or near the project site, for landscape irrigation. Eliminate the use of potable water, or other natural	_	·	No potable water since retention pond will be used for	1		Credit 4.2	Adhesives & Sealants Low-Emitting Materials: Paintings & Coatings	Low-Emitting Materials, Paints & Coatings	Suffolk / ARQ		adhesives/sealants to be low-VOC. The project will have low-VOC paint and coating materials specified in the construction documents.
1		Credit 1.2	No potable Water Use or No Irrigation Innovative Wastewater	near the project site, for landscaping irrigation.	ArqGEO	L1.04 TBD	irrigation. Retention pond and waterless urinals are needed to	1		Credit 4.3	Low-Emitting Materials: Carpet Systems	Low-Emitting Materials, Carpet Systems	Suffolk / ARQ	Specs	The project will have low-VOC carpet systems specified in the construction documents.
		Credit 2 Credit 3.1	Technologies Water Use Reduction:	demand, while increasing the local aquifer recharge. Maximize water efficiency within buildings to reduce the burden on municipal water supply and wastewater	MEP	P-8	possibly attain this credit. Waterless urinals and low flow fixtures required to attain	1		Credit 4.4	Low-Emitting Materials: Composite Wood & Agrifiber Products	Low-Emitting Materials, Composite Wood & Agrifiber Products	Suffolk / ARQ	Specs	The project will have low-VOC composite wood and agrifiber materials specified in the construction documents.
1		Credit 3.2	20% Reduction Water Use Reduction: 30% Reduction	systems. Maximize water efficiency within buildings to reduce the burden on municipal water supply and wastewater systems.	MEP	P-8, M-7	this credit. Waterless urinals, low flow fixtures, Energy Recovery Unit, Air to H2O water fountain required to attain this	1		Credit 5	Indoor Chemical & Pollutant Source Control	Minimize exposure of building occupants to potentially hazardous particulates and chemical pollutants.	S MEP / ARQ	A1.01, M-11, Specs	The building maintenance areas will have isolated exhaust systems and the building entry areas will have floor grates to prevent contaminants from circulating in the building.
Vos Likely Not	No			Systems.			credit.	1		Credit 6.1	Controllability of Systems: Lighting	Provide a high level of thermal control system by individual occupants or by specific groups in multi-occupant spaces to promote the productivity, comfort and well-being of building occupants.	MEP	E-1 to E-6	The building and HVAC will be designed with lighting controls to allow adjustment by individual occupants.
Yes Likely Likely 4 4 3	4	Energy & Atmosphere		Credit Intent Re	Discipline esponsible	Drawing Reference	Assessment Comments		1	Credit 6.2	Controllability of Systems: Thermal Comfort	Provide a high level of thermal control system by individual occupants or by specific groups in multi-occupant spaces to promote the productivity, comfort and well-being of building	N/A	N/A	FIU / MEP to confirm building and HVAC will be designed with comfort controls to allow adjustment for individual classrooms.
Y		Prereq 1	Fundamental Commissioning of the Building Energy	project requirements, basis of design, and construction	Spinnaker	OPD, BOD, On-line LEED	The Commissioning Agent will review the project's documents and construction for the completion of the commissioning process.	1		Credit 7.1	Thermal Comfort: Design 1	Provide a comfortable thermal environment that supports the productivity and well-being of building occupants.	MEP	M-1 to M-10, Specs	The building envelope and HVAC system will be designed to provide thermal comfort as per AHSRAE 55-2004.
Y		Prereq 2	Minimum Energy Performance	documents. LEED Establish the minimum level of energy efficiency for the proposed building and systems.	MEP	OPD, BOD, On-line LEED	The min. energy efficiency levels are established as per the energy model and ASHRAE 90.1-2004 requirements.	1	1	Credit 7.2	Thermal Comfort: Verification 1	Provide a comfortable thermal environment that supports the	N/A	N/A	The building needs a monitoring system, including a survey 18 months after occupancy, to verify thermal comfort levels are as
Y		Prereq 3	Fundamental Refrigerant Management	LEED Req'd Reduce ozone depletion.	MEP	FIU Equipment Info	The HVAC equipment will be specified with equipment that do not use CFC refrigerants.				Daylight & Views:	productivity and well-being of building occupants. Provide for the building occupants a connection between indoor			per AHSRAE 55-2004.
2 2 2	2	Credit 1	Optimize Energy Performance	Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.	MEP	Energy Model (100%CD Set)	As per preliminary energy model by MEP.		1	Credit 8.1	Daylight 75% of Spaces	spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.	N/A	N/A	Unlikely to be achieved due to perimeter offices.
1	2	Credit 2	On-Site Renewable Energy	Encourage and recognize increasing levels of on-site renewable energy self-supply in order to reduce environmental and economic impacts associated with	N/A	TBD	FIU to confirm if Unisolar membrane photovoltaic panel to be used on office roof.		1	Credit 8.2	Daylight & Views: Views for 90% of Spaces	Provide for the building occupants a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.	N/A	N/A	Unlikely to be achieved due to perimeter offices.
1		Credit 3	Enhanced Commissioning	fossil fuel energy use. Begin the commissioning process early during the design process and execute additional activities after systems performance verification is completed.	Spinnaker	OPD, BOD, On-line LEED	Spinnaker providing CxA services	Yes L	ikely Not Likely No						
1		Credit 4	Enhanced Refrigerant Management	Reduce ozone depletion and support early compliance	FIU/MEP	FIU Equipment Info	FIU to confirm central-plant / off-site chiller meets this requirement.	5	0 0	Innovation & Design Process	5 PTS	Credit Intent Exceptional performance above the LEED-CS requirements	Discipline Responsible	Drawing Reference	Assessment Comments
1		Credit 5	Measurement & Verification	Provide for the ongoing accountability of building energy consumption over time.	MEP	E-18	M&V system to coordinate with FIU campus-wide monitoring system.			Credit 1.1	Innovation in Design	and/or innovative performance in a Green Building category not specifically addressed by the LEED-CS Green Building Rating System.	ARQ / Suffolk	A6.20 (100%CD Set) /Suffolk docs	Environmental training for construction workers during construction and public/user/staff education of sustainable design via signage and interactive exhibit post-occupancy.
1		Credit 6	Green Power	Encourage the development and use of grid-source, renewable energy technologies on a net zero pollution basis.	FIU	TBD	FIU to confirm if point will be purchased for project at TCO.	1		Credit 1.2	Innovation in Design 1	Exceptional performance above the LEED-CS requirements and/or innovative performance in a Green Building category not specifically addressed by the LEED-CS Green Building Rating System.	ArqGEO	L1.01, L1.03, L1.05, A1.06	Exemplary heat island reduction of roofs and non-roofs beyond the requirements of SSc7.1 and 7.2 with the green roof.
Yes Likely Not Likely	No	Materials &		12 DTC	Discipline	Drawing		1		Credit 1.3	Innovation in Design 1	Exceptional performance above the LEED-CS requirements and/or innovative performance in a Green Building category not specifically addressed by the LEED-CS Green Building Rating System	MEP	P-8 (100%CD Set)	Monitoring of water use for all areas of the project with water meters.
6 1 0 Y	6	Resources Prereq 1	Storage & Collection of Recyclables	13 PTS Credit Intent Red LEED	esponsible	Reference	Assessment Comments The project has recycling collection areas within the			0. 80.1	Innovation in De 1	System. Exceptional performance above the LEED-CS requirements and/or innovative performance in a Green Building category not	Carlos '		Cross Classins as a Fill of the Control of the Cont
	1	Credit 1.1	Building Reuse	Building Reuse, Maintain 75% of Existing Walls, Floors & Roof	N/A	N/A	ounding.	1		Credit 1.4	Innovation in Design 1	specifically addressed by the LEED-CS Green Building Rating System.	Spinnaker	FIU docs	Green Cleaning as per FIU standard maintenance program.
	1	Credit 1.2	Building Reuse Building reuse	Building Reuse, Maintain 100% of Existing Walls, Floors & Roof Building Reuse, Maintain 50% of Interior Non-Structural	N/A N/A	N/A N/A		1		Credit 2	LEED Accredited Professional 1	To support and encourage the design integration required by a LEED-CS green building project and to streamline the application and certification process.	n ARQ	On-line LEED	Multiple LEED accredited professionals are working on the project and facilitating the sustainable design of the project.
			Construction Waste Management:	Divert construction and demolition debris from disposal in landfills and incinerators. Redirect recyclable recovered			A min of E00/ of the construction delain.	37	6 15		Levels: Certified 26-32 points, Silver				
		Credit 2.1	Divert 50% from disposal	resources back to the manufacturing process. Redirect reusable materials to appropriate sites.	Suffolk	Suffolk docs	A min. of 50% of the construction debris will be recycled.	Yes L	Likely Not Likely No		33-38 points, Gold 39-51 points, Platinum 52-69 points				



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SEAL / SIGNATURE / DATE

100% CONSTRUCTION DOCUMENTS	

OFFICE REGISTRATION #: AA C000465 Date # Revision

Issue # Issue Date / For 7.24.07 SCHEMATIC DESIGN APPROVAL 11.12.07 SCHEMATIC DESIGN APPROVAL

02.22.08 SCHEMATIC DESIGN APPROVAL 03.28.08 SCHEMATIC DESIGN APPROVAL 10.21.08 PROGRESS DESIGN DEVELOPMENT 11.26.08 100 % DESIGN DEVELOPMENT 02.25.09 FOUNDATION PERMIT

03.18.09 50% CONSTRUCTION DOCUMENTS 05.18.09 100% CONSTRUCTION DOCUMENTS

PROJECT NO.: 2441

SHEET INDEX



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