

FGBC Green High Rise Residential Building Designation Standard Checklist

SCHEDULE A - Version 1.0, March 2006

Pre-Submittal Application: Complete only the second page of this document. This will indicate the Design Team's commitment to meet the designation requirements. When the pre-submittal application and fee are received, an FGBC Project Evaluator will be assigned to work with the Project Design Team's Designated Professional to answer questions regarding verification and submittal materials. A non-refundable deposit equal to 25% of the Total Required Fee must be submitted with the completed pre-submittal form.

Final Application & Checklist: After completing the Schedule A form in its entirety, it must be submitted by a Designated Professional from the Project Design Team. The completed Schedule A must be accompanied by all required documentation and a check for the Total Required Fee (see schedule below) payable to the Florida Green Building Coalition.

Send all applications and payments to: FGBC, 6615 Mahan Dr., Suite 104 PMB 50, Tallahassee, FL 32308

PROCESSING FEE SCHEDULE

BUILDING SIZE (SF)	TOTAL REQUIRED FEE (\$)
<= 25,000	\$3,000
> 25,000 and <= 50,000	\$4,500
> 50,000	\$6,000

APPLICATION FORM

PROJECT INFORMATION (Attach a copy of the Property Legal Description)

NAME:

ADDRESS:

OCCUPANCY TYPE: Residential

SIZE (SF)

OWNER INFORMATION

NAME:

COMPANY NAME:

ADDRESS:

TELEPHONE NUMBER:

FAX NUMBER:

EMAIL ADDRESS:

DESIGNATED PROFESSIONAL INFORMATION

NAME:

COMPANY NAME:

ADDRESS:

TELEPHONE NUMBER:

FAX NUMBER:

EMAIL ADDRESS:

By signing, I acknowledge that each of the measures intended to qualify this project for the Florida Green High Rise Residential Building Standard have been incorporated into the project's design and will be incorporated into the project's construction and/or renovation.

SIGNATURE:

DATE:

FLORIDA LICENSE NUMBER:

DESIGN TEAM INFORMATION (Name, Company, Telephone #)

ARCHITECT:

LANDSCAPE ARCHITECT:

CIVIL ENGINEER:

STRUCTURAL ENGINEER:

MPE ENGINEER

INTERIOR DESIGNER:

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Pre-Submittal Application: Complete only this page of the document. This will indicate the Design Team's commitment to meet the designation requirements and to have FGBC assign a Project Evaluator to answer questions regarding verification and submittal materials. A non-refundable deposit equal to 25% of the Total Required Fee must be submitted with the completed form to FGBC, 6615 Mahan Dr., Suite 104 PMB 50, Tallahassee, FL 32308. The balance of the fee must be submitted later with the completed Schedule A (and all other required submittal information) to the same address.

PRE-SUBMITTAL APPLICATION FEE SCHEDULE

<u>BUILDING SIZE (SF)</u>	<u>TOTAL REQUIRED FEE (\$)</u>	<u>DEPOSIT (\$)</u>	<u>BALANCE DUE (\$)</u>
<= 25,000	\$3,000	\$750	\$2,250
> 25,000 and <= 50,000	\$4,500	\$1,125	\$3,375
> 50,000	\$6,000	\$1,500	\$4,500

PRE-SUBMITTAL APPLICATION FORM

PROJECT INFORMATION (Attach a copy of the Property Legal Description)

NAME:

ADDRESS:

OCCUPANCY TYPE: Residential

SIZE (SF)

OWNER INFORMATION

NAME:

COMPANY NAME:

ADDRESS:

TELEPHONE NUMBER:

FAX NUMBER:

EMAIL ADDRESS:

DESIGNATED PROFESSIONAL INFORMATION

NAME:

COMPANY NAME:

ADDRESS:

TELEPHONE NUMBER:

FAX NUMBER:

EMAIL ADDRESS:

I have read the entire standard and will abide by the policies it contains. I understand that this deposit allows FGBC to assign a Project Evaluator to provide information regarding documentation needed to verify points. I plan to submit the necessary documents indicated in the Reference Guide for any credit points I am claiming. Failure to complete the Project or to meet the requirements of the standard will not be grounds for refunding of the deposit. I have authority to sign for the Owner.

SIGNATURE:

DATE:

FLORIDA LICENSE NUMBER:

DESIGN TEAM INFORMATION (Name, Company, Telephone #)

ARCHITECT:

LANDSCAPE ARCHITECT:

CIVIL ENGINEER:

STRUCTURAL ENGINEER:

MPE ENGINEER

INTERIOR DESIGNER:

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Points Achieved	Project Name:
Points Targeted	Designated Professional:
Points Questionable	100 Total Possible FGBC Green High Rise Residential Building Designation Standard Points
Points Not Targeted or Not Possible	

Certified = Minimum of 50 Points Achieved

Category 2 : WATER 3 Points Minimum				Possible Points	12	Brief Description	
A	T	Q	N				
						Prereq 1 Drought Tolerant Landscape, 25%	Landscape comprised of a minimum of 25% of Drought Tolerant Plants
				1		Credit 1.1 Drought Tolerant Landscape, 50%	Landscape comprised of a minimum of 50% of Drought Tolerant Plants
				1		Credit 1.2 Drought Tolerant Landscape, 75%	Landscape comprised of a minimum of 75% of Drought Tolerant Plants (Credits are cumulative - 2 points are awarded)
				1		Credit 1.3 Drought Tolerant Landscape, 100%	Landscape comprised of a minimum of 100% of Drought Tolerant Plants (Credits are cumulative - 3 points are awarded)
				1		Credit 2.1 Water Efficient Irrigation, Reduce Potable Water Use for 50% of area	Reduce potable water consumption for irrigation on 50% of area irrigated
				1		Credit 2.2 Water Efficient Irrigation, Reduce Potable Water Use for 75% of area	Reduce potable water consumption for irrigation on 75% of area irrigated (Credits are cumulative - 2 points are awarded)
				1		Credit 2.3 Water Efficient Irrigation, No Potable Use or No Permanent Irrigation	Irrigation system to use no potable water or have no permanent system (Credits are cumulative - 3 points are awarded)
				1		Credit 3 Ultra low Flow Toilets	All toilets installed in the home permit one to flush at volumes lower than required by EPACT.
				1		Credit 4 Hot Water Recirculating system	Hot water recirculation system is installed.
				1		Credit 5 All showers equipped with 1 showerhead	Each shower in the home is equipped with only one showerhead
				1		Credit 6 Florida Yards & Neighborhoods Certified	
				1		Credit 7 Faucet aerators	Faucet aerators are installed on all fixtures in the home
				1		Credit 8 Low - flow fixtures	All fixtures installed in the home are rated at a flow rate equal to or lower than that mandated by the EPACT.

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Points Questionable				100 Total Possible FGBC Green High Rise Residential Building Designation Standard Points		
Points Not Targeted or Not Possible						
Certified = Minimum of 50 Points Achieved						
A	T	Q	N	Category 3 : SITE 3 Points Minimum	Possible Points 14	Brief Description
				Prereq 1		Exceed Florida Water Management District Standards
				Credit 1	1	Do not develop on: Prime farmland, Flood prone areas, habitat for threatened species, 100ft of Wetland, Public Parkland
				Credit 2	1	Any type of In-Fill Development
				Credit 3	1	Development of any EPA Classified Brownfield
				Credit 4.1	1	Projects need to be within a minimum of 1/2 mile of one Rail node or 1/4 mile of 1 or more bus line:
				Credit 4.2	1	Project must provide securing locations for bicyclers and showering and changing rooms for 5% of total occupant
				Credit 4.3	1	Provide preferred parking for 3% of the parking capacity for the use of alternate fuel vehicles: Including Hybrid Vehicles
				Credit 4.4	1	Do not exceed the minimum zoning parking requirements
				Credit 5.1	1	Limit site disturbance to 40 feet beyond the building perimeter
				Credit 5.2	1	Exceed minimum zoning requirements for open space by 25%
				Credit 6.1	1	No net increase in Stormwater runoff from pre-development conditions to post-developmer
				Credit 6.2	1	Provide onsite treatment of stormwater to remove 80% of (TSS) Total Suspended Solids and 40% of (TP)Total Phosphorous
				Credit 7.1	1	Provide onsite measures to reduce Heat Island effects
				Credit 7.2	1	Provide either a Green Roof (50% of roof area) or Energy Star Certified Roofing material (75% of roof area)
				Credit 8	1	Meet or provide lower light levels than those recommended by the Illuminating Engineering Society of North America (IESNA)

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A	T	Q	N	Category 4 : HEALTH 5 Points Minimum	Possible Points	Brief Description
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A	T	Q	N		Possible Points	
/	/	/	/	Prereq 1 Environmental Tobacco Smoke (ETS) Control	/	Smoking allowed only in designated smoking areas
				Credit 1 Carbon Dioxide (CO₂) Monitoring	1	Systems shall be designed to monitor (CO ₂) within the building
				Credit 2 Increased Ventilation Effectiveness	1	Building system shall be designed to create an air change effectiveness greater than or equal to 0.9 by ASHRAE
				Credit 3.1 Construction IAQ Management Plan During Construction	1	Indoor Environmental Quality shall be protected during construction according to SMACNA guideline:
				Credit 3.2 Construction IAQ Management Plan Before Occupancy	1	Prior to occupancy the project will provide 100% outside air for two weeks or conduct an EPA IAQ Test
				Credit 4.1 Low-Emitting Materials , Adhesives & Sealants	1	All Adhesives and Sealants shall meet VOC limits
				Credit 4.2 Low-Emitting Materials , Paints	1	All Paints shall meet VOC limits
				Credit 4.3 Low-Emitting Materials , Carpet	1	All carpet and carpet products shall meet the Carpet & Rug Institute Green Label Certification Program
				Credit 4.4 Low-Emitting Materials , Composite Wood	1	All composite wood and agrifiber products will contain no added urea-formaldehyde
				Credit 4.5 Low-Emitting Materials , Insulation	1	All Insulation products will be free of formaldehyde
				Credit 4.6 Low-Emitting Materials , Environmentally Friendly Maintenance	1	Owner shall maintain the property utilizing environmentally friendly cleaning products
				Credit 5 Indoor Chemical & Pollutant Source Control	1	Project shall employ measures to reduce pollutant contamination in the building entrances and housekeeping areas
				Credit 6.1 Controllability of Systems , Perimeter Spaces	1	Provide minimum of one operable window and one lighting control zone per 200 SF for all areas within 15 ft of perimeter
				Credit 6.2 Controllability of Systems , Non-Perimeter Spaces	1	Provide 50% of all occupants individual control of airflow, temperature, and lighting
				Credit 7.1 Thermal Comfort , Comply with ASHRAE 55-1992	1	Comply with ASHRAE Standard 55-1992, Addenda 1995, for thermal comfort standards including humidity control
				Credit 7.2 Thermal Comfort , Dehumidification System	1	Provide a central dehumidification system
				Credit 8.1 Daylight , Daylight 50% of Spaces	1	Provide natural daylighting to 50% of interior spaces
				Credit 8.2 Daylight , Daylight 75% of Spaces	1	Provide natural daylighting to 75% of interior spaces (Credits are cumulative - 2 points are awarded)
				Credit 9.1 Views , Views for 50% of Spaces	1	Provide views to vision glazing for 50% of all occupants
				Credit 9.2 Views , Views for 75% of Spaces	1	Provide views to vision glazing for 75% of all occupants (Credits are cumulative - 2 points are awarded)
				Credit 10 Cleanability , Narrow Grout Lines	1	All grout lines between tiles must be less than 3/16" wide
				Credit 11 Building Designed to meet ADA standards	1	All areas including living areas
				Credit 13.1 Combustion , No water heating equipment located inside the conditioned area – or electric	1	One point is also available for use of a sealed combustion water heater, or use of an electric water heating system.
				Credit 13.2 Combustion , No gas heating equipment located inside the conditioned area – or electric	1	One point is available for use of a sealed combustion furnace, or use of an electric heating system, such as a heat pump.
				Credit 14 Noise , Low noise bathroom exhaust fans with timers or humidistat	1	Installation of high efficiency, low noise bathroom exhaust fans with timers or humidistats in each bathroom
				Credit 15 Durability , Use armored/metal hoses from service to all fixtures/appliances	1	Installation of armored/metal hoses on all fixtures/appliances

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A	T	Q	N	Category 5 : MATERIALS 3 Points Minimum	Possible Points	Brief Description	
				Prereq 1	Storage & Collection of Recyclables	1	Project must have infrastructure for recycling: paper, cardboard, glass, plastics, and meta
				Credit 1.1	Building Reuse , Maintain 75% of Existing Shell	1	Renovation project shall maintain 75% of existing Shell (not including windows & doors
				Credit 1.2	Building Reuse , Maintain 100% of Existing Shell	1	Renovation project shall maintain 100% of existing Shell (not including windows & doors
				Credit 1.3	Building Reuse , Maintain 100% Shell & 50% Non-Shell	1	Renovation project shall maintain 100% of existing Shell and 50% non-shell (not including windows & doors
				Credit 2.1	Construction Waste Management , Divert 50%	1	Project must divert a minimum of 50% of all waste from landfill
				Credit 2.2	Construction Waste Management , Divert 75%	1	Project must divert a minimum of 75% of all waste from landfill (Credits are cumulative - 2 points are awarded
				Credit 3.1	Resource Reuse , Specify 5%	1	Incorporate 5% (based on cost) salvaged or refurbished materials
				Credit 4.1	Recycled Content , Specify 25%	1	Incorporate 25% (based on material cost) recycled materials
				Credit 4.2	Recycled Content , Specify 50%	1	Incorporate 50% (based on material cost) recycled materials (Credits are cumulative - 2 points are awarded
				Credit 5	Recyclable Materials	1	Incorporate 10% (based on material cost) recyclable materials (recyclable through a structured existing program)
				Credit 6	Demountable / Adaptable Interiors	1	Incorporate 50% demountable and adaptable Interior walls (based on LF)
				Credit 7	Lever style clothes washer water shutoff	1	Project to use a single lever shutoff valve requiring only a 90 degree turn
				Credit 8.1	Local/Regional Materials , 20% Manufactured Locally	1	Project to purchase 20% (based on cost) of materials from a 70 mile radius from project site
				Credit 8.2	Local/Regional Materials , of 20% Above, 50% Harvested Locally	1	Project to purchase 50% of the above mentioned materials that are harvested, extracted, recovered within 700 miles
				Credit 9	Rapidly Renewable Materials	1	Project to purchase 5 % (based on cost) of all building materials be rapidly renewable (plant to harvest cycle <10 years)
				Credit 10	Certified Wood	1	Project to purchase 50% (based on cost) of all wood products certified by the Forest Stewardship Council (FSC)
				Credit 11	Durable Materials , Exterior Finish Materials	1	Use exterior systems capable of withstanding the moisture and heat impacts of the local climate for a period of 40 years
				Credit 12	Water Sensors/Shutoff system	1	Install sensor/shutoff system to cut off water supply to clothes washer & water heater of each unit
				Credit 13	Low Maintenance Finishes	1	Use interior and exterior finish materials that require none or minimal periodic cleaning

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Points Not Targeted or Not Possible					
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A	T	Q	N	Category 6 : DISASTER MITIGATION	
				Possible Points	5
				Brief Description	
				Credit 1	Hurricane, Impact Resistance of Openings 1 Project must utilize impact resistant Glazing and Impact resistant Entry Points
				Credit 2	Flood, Slab Elevation 1 Slab Elevation must be 12" above 100 year flood plan and all grades around building must slope away
				Credit 3	Wildfire, Fire Resistant Exterior Finishes 1 Project must utilize Fire Resistant Exterior Wall cladding, roof covering or Subroof, Soffit and Vent material
				Credit 4.1	Termite Prevention 1 Treat Soil. Seal slab penetrations. All plants, Turf and irrigation lines minimum 3' from building exterior and all treated lumber either borate or ACC
				Credit 4.2	Termite, Non Toxic Termite Pretreatment 1 Termite protection from a non-toxic system such as the stainless steel mesh.
A	T	Q	N	Category 7 : GENERAL	
				Possible Points	7
				2 Points Minimum	
				Brief Description	
				Prereq 1	FGBC Designated Professional FGBC Designated Professional needs to be involved with project design & construction
				Prereq 2	Project Charrette: Owner & Architect Team involvement with the conceptual design of a green project is the most important step of the process
				Credit 1	Environmental Value Analysis, Cost & Environmental Impact of Each Credit 1 Team shall document the cost impact of each credit submitted for certification
				Credit 2.1	Environmental Innovation 1
				Credit 2.2	Environmental Innovation 1
				Credit 2.3	Environmental Innovation 1
				Credit 2.4	Environmental Innovation 1
				Credit 2.5	Environmental Innovation 1
				Credit 2.6	Environmental Innovation 1