

SUSTAINABILITY CHECKLIST FORM

Note: See attached appendix for list of additional sustainable design standards and procedures.

	APPLICANT – PRINT OR TYPE – ALL SECTIONS TO BE COMPLETED:	TOWNSHIP OK (Date)
SUSTAINABLE BUILDING AND DESIGN STANDARDS		
Name of LEED Accredited Professional working on project:	Martin Breen (KDA Architects);	
List of Energy Star and WaterSense appliances, fixtures and construction techniques:	The residential appliances will be Energy Star rated.	
List of green and recycled building materials in new construction, renovation, and maintenance:	The building materials for this project have not been selected yet, but the intent is to use materials that are environmentally sustainable.	
Waste Management Plan for recycling and/or reuse of 60 percent of all construction and demolition of waste generated in projects larger than \$25,0000:	A waste management plan will be created in collaboration with the general contractor to meet this requirement.	
Use of any water efficient landscaping:	All proposed plantings are native or adapted species.	
Use of any on-site renewable energy systems such as: (i) Solar (ii) Wind (iii) Geothermal	Roof top solar systems will be provided on 13% of the project roof area.	
Details of roofing materials designed to reduce the urban heat island effect such as: (i) Construction of roof top gardens to reduce solar gain in summer and insulate in winter (ii) Use of roofing materials that are no darker than a light gray or demonstrate how alternate roofing materials reduce the urban heat island effect	Live green roofs will be provided on 22% of the project roof area. All roofing will be light gray to reduce the heat island effect. The parking garage roofs will be designed as roof top plazas with landscaping.	
Details of any sustainable stormwater systems employed such as: (i) Bioswales/ raingardens (ii) Permeable surfaces (iii) Grey water systems (iv) Retention and detention facilities (v) Continuous trenching	The proposed improvements call for an overall reduction on both impervious and motor vehicle surface. Additionally, we are proposing 2 surface basins and 2 subsurface basins.	
A list of native and well adapted species used in landscaping to eliminate the need for fertilization and pesticides:	Red Maple, River Birch, Hackberry, Honeylocust, Kentucky Coffeetree, Sweetgum, Pin Oak, Willow Oak, Red Oak, American Basswood, American Elm, Serviceberry, Redbud, Fringetree, Flowering Dogwood, Washington Hawthorn, Crepe Myrtle, Sweetbay Magnolia, American Holly, Eastern Red Cedar, Southern Magnolia, White Pine, Giant Arborvitae, Boxwood, Inkberry, Shore Juniper, Grey Owl Juniper, Summersweet, Redtwig Dogwood, Sweetspire, Northern Bayberry, Chokeberry, Arrowwood, Possumhaw Viburnum, Blackhaw Viburnum ,	

Note: Please indicate for each of the sustainable building/design items listed, the extent to which the measure is being incorporated in the project or, alternatively, indicate the reason(s) why it is not being incorporated in the project.

As of April 2, 2015

DAUGHTERS OF ISRAEL

Appendix to the Township of West Orange Sustainability Checklist Form

The project will implement the following sustainable design standards and procedures:

Water Efficient Landscaping:

Install landscaping that does not require permanent irrigation system. Temporary irrigation systems used for plant establishment will be removed within one year of installation.

Controllability of Systems – Lighting:

Provide Lighting controls for 90% of the building(s) occupants to enable adjustments to suit individual needs. Provide lighting controls for all shared multi-occupant spaces to enable adjustments.

Indoor Air Monitoring:

Install permanent monitoring systems to ensure that ventilation maintains minimum requirements. Also monitor CO2 concentrations in densely occupied spaces.

Indoor Air Quality Management Plan:

After construction, engage in a full building flush-out by supplying air through the building for an amount designated by USGBC.

Thermal Comfort:

Design the HVAC systems and the building envelope to meet the requirements of ASHRAE Standard 55-2004. Thermal Environmental Conditions for Human Occupancy. Demonstrate the design compliance in accordance with section 6.1.1 documentation.

Construction Waste Management:

Recycle or salvage 75% nonhazardous construction and demolition debris. Develop and implement a construction waste management plan that identifies the materials to be diverted from disposal.

Low Emitting Materials, Adhesives and Sealants:

All adhesives and sealants used on the interior of the building will have VOC limits under LEED guidelines.

Low Emitting Materials, Paints and Coatings:

All paints and coatings used on the interior of the building will have VOC limits under LEED guidelines.

Low Emitting Materials, Floorings:

All flooring will comply with testing and product requirements of the designated material and meet VOC concentrations listed in LEED requirements.

Daylight and Views, Daylight:

Achieve a direct line of sight to the outdoors between 30 and 90 inches above the finished floor for 90% of regularly occupied building areas.

Green Roof Areas:

Extensive sedum type green roof module pans will be installed on 22% of the roof areas. These green roof areas will assist in lowering the heat island effect and reducing storm water runoff.

Solar Roof Panel Areas:

13% of the total roof areas will be utilized for solar panels.