



EarthCraft Light Commercial Worksheet

Project Name: Young Israel Of Toco Hills Synagogue
Climate Zone:

Points	Point Totals			Project Team Notes
	147	89	153	
	Planned	Maybe	Complete	


SITE PLANNING AND DEVELOPMENT (SP)						
SP R1	Erosion and Sedimentation Control Plan - Best Practices	R	-	-	Yes	Phase I, II, and III on C4.1 thru C4.3
SP R2	Provide Phase I Environmental Test Report (if required by local jurisdiction)	R	-	-	n/a	Not required by the city of Decatur or building insurance company
SP R3	Provide Landscape Plan	R	-	-	Yes	Received landscape plans L1.0, L2.0, and L3.0
SP R4	Label All Storm Drains and Storm Inlets	R	-	-	Yes	See images from 09.19.2014 site visit
SITE SELECTION						
SP 1	Building is Located Within an EarthCraft Community	2			n/a	
SP 2	Remediated Brownfield Site	2			n/a	
SP 3	Previously Developed Site or Infill Location	2	2		Yes	Built on 6 residential properties
SP 4	Proximity to Mass Transit A. Within ¼ mile of Public Bus Route B. Within ½ mile of Rail Station	Select All That Apply:				
		2	2		Yes	Based on MARTA webpage two bus routes #30 and 8 are within a
SP 5	Proximity to Bike Path (within ½ mile)	1			No	Not near a designated bike path
SP 6	Pedestrian Access (access to local business/residential community)	1	1		Yes	Sheet AS-1 indicates connectivity to Toco Hills and the surrounding area
SITE DESIGN						
SP 7	Light Colored Paving Materials A. 50% of Hardscape Areas B. 100% of Hardscape Areas	Select One Option:				
		2				
		3	2	1	Yes	Dwgs indicate 60% concrete paving with SRI 35. ECLC to confirm installed as designed
SP 8	Shade At Least 50% of Hardscape	2		2	No	Current plans do not indicate enough shading on the paving. Client was going to look into congregation donations
SP 9	Water Permeable Materials for Hardscape Areas A. 50% of Hardscape Areas B. 90% of Hardscape Areas	Select One Option:				
		2			n/a	
		3				
SP 10	Reduced Parking A. Reduced Parking Capacity (at least 10% below local zoning ordinance) B. No New Parking Provided	Select All That Apply:				
		2	2		Yes	House of Worship zoned for 208 parking spaces, but only providing 67 spaces was granted in variance. ECLC confirm install.
		2			n/a	
SP 11	Exterior Lighting Designed to Reduce Light Pollution	1	1		Yes	ECLC received exterior lighting cut sheets
SP 12	Alternative Transportation Accommodations A. Bike Rack Accommodations B. Preferred Parking for Carpools C. Preferred Parking for Hybrid and/or Alternative Fuel Vehicles D. Covered Bus Stop E. Alternative Vehicle Charging/Fueling Station	Select All That Apply:				
		1	1		Yes	A. Confirm on site; B. Confirm on site; C. Confirm on site; D. No; E. Confirmed on site check 09.19.14 photos
		1	1		Yes	
		1	1		Yes	
		1			n/a	
1			Yes			
SITE PREPARATION AND PRESERVATION						
SP 13	Greenspace Preservation (protect a minimum of 25%, including the bldg footprint)	2			n/a	
SP 14	Greenspace and Habitat Restoration (restore a minimum of 25%, less the bldg footprint)	3			n/a	
SP 15	Design Around Trees (preserve at least 25% of trees with a diameter of 8" or more)	2		2	Yes	Confirmed on site



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SP 16 Specimen Tree Preservation	1			n/a	
SP 17 Tree Planting (minimum of 12 trees per acre of developed site, at least 2" caliper)	2	2		Yes	Confirm on site
SP 18 Stormwater Management Plan (runoff volume reduction)	5		5	Yes	Received Confirmation letter from Civil Engineer
SP 19 Excavated Top Soil Protected From Erosion	1		1	No	
SITE PLANNING TOTAL		15	11	23	
CONSTRUCTION WASTE MANAGEMENT (CW)					
CW R1 No Construction Materials Burned or Buried on Job Site	R	-	-	Yes	
CW R2 Construction Waste Management Plan	R	-	-	Yes	
CW 1 Landfill Waste Diversion A. Divert 50% of Construction Waste B. Divert 75% of Construction Waste C. Divert 90% of Construction Waste		Select One Option:			
	3				
	5	5		Yes	Contractor achieved 89.51% waste diversion
	8				
CW 2 Reuse or Donation of Existing Building Materials	1		1	Yes	Reused the ark from previous facility
CW 3 Relocation or Repurposing of 'Complete' Site Structure(s)	2			n/a	
CONSTRUCTION WASTE MANAGEMENT TOTAL		5	1	6	
RESOURCE EFFICIENCY (RE)					
RE 1 Adaptive Reuse of an Existing Building (e.g. major renovation of existing building)	5			n/a	
RE 2 Structural Interior Finishes (ceiling, flooring and/or walls) A. For 15 % of Interior Surface Area B. For 30 % of Interior Surface Area		Select One Option:			
	2			n/a	
	4				
RE 3 Environmentally Preferable Materials A. Concrete (minimum 25% recycled content - AND - sourced within 300 miles) B. Structural Steel (contains a minimum 50% recycled material) C. Drywall (manufactured within 500 miles) D. Wood Framing Package (contains 100% sustainable forestry products - SFI or FSC) E. Light Gauge Steel Framing Package (contains a minimum 50% recycled content) F. Exterior Cladding (50% of cladding contains a minimum 25% recycled content) G. Insulation (50% of insulation contains at least 25% recycled content) H. Floor Covering (50% of floor coverings contain at least 25% recycled/reclaimed material)		Select All That Apply:			
	2	2		No	A. cement only had 20% recycled content; B. ECLC rceived paperwork; C. Received paperwork; E. Received paperwork; G. Received paperwork; H. Received paperwork for carpet and vinyl flooring
	2		2	Yes	
	2	2		Yes	
	2			n/a	
	2	2		Yes	
	2			n/a	
	2		2	Yes	
	2		2	Yes	
RESOURCE EFFICIENCY TOTAL		6	6	10	
DURABILITY AND MOISTURE MANAGEMENT (DU)					
DU R1 Gravel Bed Beneath Slab Foundations	R	-	-	Yes	received photo from GC
DU R2 Vapor Barrier Beneath Slab Foundations and in Crawlspace	R	-	-	Yes	received photo from GC
DU R3 Roof Designed for Efficient Drainage * Roof valleys direct water away from walls, dormers, stacks, chimneys * Complete gutter or roof drainage system (divert roof run-off at least 5 ft away from building)		All Must Comply:			
	R	-	-	Yes	ECLC confirmed on site
	R	-	-	Yes	
DU R4 Integrated Drainage Planes * Flashing or self-adhering underlayment at roof valleys and roof penetrations * Flashing at roof to wall intersections * Proper flashing and drainage plane at changes in wall cladding * Drainage plane integrated with window and door head/jamb * Pan flashing at door and window sills * Building wrap or felt to be installed "shingle-lap" fashion, all overlaps and joints taped * Weather resistive sheathing (e.g., XPS foam) fully taped at all "butt" joints.		All Must Comply:			
	R	-	-	Yes	ECLC Confirmed on site
	R	-	-	Yes	
	R	-	-	Yes	
	R	-	-	Yes	
	R	-	-	Yes	
	R	-	-	Yes	
	R	-	-	Yes	
DU R5 Positive Drainage at Grade (all sides of building)	R	-	-	Yes	ECLC confirmed on site
DU 1 Capillary Break at Foundation A. Between Foundation and Wood Framing in Contact with Slab		Select All That Apply:			
	2			n/a	Not pursued

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B. Between Footing and Slab/Foundation Wall - OR - Beneath Footing	4	4		No	not pursued
DU 2 Drainage Plane for Below-Grade Walls	3			n/a	
DU 3 Foundation Drainage	3			n/a	
DU 4 Continuous Foundation Termite Shield	2			n/a	
DU 5 Durable Roof System	3			n/a	
DU 6 Covered Entryway (ALL building entrances have minimum of 2' overhang)	2		2	No	11 entrance, only three have canopy coverage
DU 7 Vented Rainscreen (3/8" air gap for cladding and 1" air gap for masonry)	4			n/a	
DU 8 Back-primed Siding and Trim (wood, cellulose and fiber-cement)	3			n/a	
DU 9 Water Leak Prevention	Select All That Apply:				
A. Water Heaters (emergency drainage system)	1	1		Yes	A. EWH -1 drain confirmed on site B. HVAC Units IDU 1 thru 6 have sensors; D. Cut sheet provided, confirmed
B. HVAC Condensate (drain line and emergency drain pan tested - include in HVAC contract)	1	1		Yes	
C. Condensation Prevention for Cold Water Pipes (inside building thermal envelope)	1		1	n/a	
D. Freeze Protection for All Water Pipes (outside the building thermal envelope)	2	2		Yes	
DU 10 Envelope Commissioning (engage third-party waterproofing consultant)	5			n/a	
DU 11 Non-toxic Pest Treatment Applied to Lumber	Select One Option:				
A. Applied to Lumber in Contact with Foundation (and at least 3' above)	2			n/a	
B. Applied to ALL lumber	3			n/a	
DU 12 Non-toxic Mold Inhibitor Applied to Lumber	1			n/a	
DURABILITY TOTAL		8	3	4	
INDOOR AIR QUALITY (IAQ)					
IAQ R1 Minimum Outside Air Requirements	Select One Option:				
A. Prescriptive Outside Air Requirements	R	-	-	Yes	Test and Balance report received
B. Meet ASHRAE Standard 62.1-2007, Ventilation for Acceptable Indoor Air Quality	R	-	-	Yes	
IAQ R2 Minimum Building Exhaust Requirements	All Must Comply:				
* Exhaust Rates and Locations consistent with ASHRAE Standard 62.1-2007	R	-	-	Yes	F-1 exhaust is 73% of design flow rate; just barely passes
* Automatic Controls	R	-	-	Yes	
IAQ R3 Minimize Indoor Air Contamination	All Must Comply:				
* MERV 8 filter or better	R	-	-	Yes	ECLC confirmed on site
* Locate outside air intakes away from contaminant sources	R	-	-	Yes	
* No air handler equipment in garage, parking deck or loading dock areas	R	-	-	n/a	
IAQ R4 Materials Protection Plan	All Must Comply:				
* Staged delivery, materials covered, elevated and protected from moisture and dust	R	-	-	Yes	ECLC confirmed on site
* No paperfaced drywall or unprotected ductwork installed until building dried in	R	-	-	Yes	
* Ductwork protected until all sanding, grinding and polishing activities are complete	R	-	-	Yes	
* Use MERV 8 filtration media during construction and replace prior to occupancy	R	-	-	Yes	
IAQ R5 Safe Combustion Equipment	R	-	-	n/a	ECLC confirmed that no gas combustion is being used
IAQ R6 Building Designed for Positive Pressure (with all air moving equipment in operation)	R	-	-	Yes	ECLC confirmed at final test
IAQ R7 Third Party Test and Balance Report (supply, return, exhaust and outside air flow rates)	R	-	-	Yes	Contractor provided 10.01.14
IAQ R8 No Vapor Impermeable Wall Covering (e.g. vinyl wall paper must be perforated)	R	-	-	Yes	ECLC confirmed wall covering is paper based and permeable
VENTILATION					
IAQ 1 Decoupled Ventilation (dedicated outside air system (DOAS) for at least 50% of outside air)	5	5		No	ECLC engineer to review



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IAQ 2	Demand Control Ventilation (high occupancy spaces that are larger than 500 sf)	4	4	Yes	ECLC received documentation for CO2 sensor installed	
IAQ 3	Air Filtration Media Equivalent to MERV 11 or Higher	2		2	No	No supporting documentation provided.
IAQ 4	Filter Replacement Sensor Alarm (e.g. static pressure sensor or gauge)	1		1	No	No supporting documentation provided.
IAQ 5	Range Hoods Include Dampened Make-up Air (for range hoods greater than 500 cfm)	2			n/a	
IAQ 6	Carbon Monoxide Detector(s) Installed (location and quantity per manufacturer instructions)	1			n/a	No combustion equipment is use at this time
IAQ 7	Indoor Air Flush-Out Prior to Occupancy	4		4	Yes	Contractor flushed building for 61 days and only needed 157 hours
IAQ 8	Air System Balanced Within 10% of Design	3	3		No	System not balanced within 10% of design
POLLUTANT SOURCE CONTROL						
IAQ 9	Radon Exposure Prevention A. Radon Test After Substantial Completion (provide results to owner and ECLC Project Manager) B. Install Soil Gas Vent System (radon test after substantial completion)	Select One Option:				
		1				
		3	1		No	
IAQ 10	Walk-off Mats (6 feet long in the direction of travel at primary entrance(s))	1	1		No	No mats installed as of 09.19.2014
IAQ 11	Mold Resistant Materials A. Wet Areas B. All Gypsum Board is Paperless	Select All That Apply:				
		1	1		No	
		3			n/a	Contractor used Paperfaced gypsum board.
IAQ 12	Install Corrosion Proof Rodent Screens	1	1		Yes	ECLC confirmed on site
IAQ 13	Low-VOC Paints, Stains & Sealers A. Low-VOC Paints & Finishes: * Interior Primers (100 g/L or less) * Interior Flat Topcoat Paint (50 g/L or less) * Interior Non-flat Topcoat Paint (100 g/L or less) * Interior Anti-corrosive Paints and Primers (250 g/L or less) * Stains (250 g/L or less) * Sealers (200 g/L or less) * Waterproof Sealer (250 g/L or less) B. Ultra-Low-VOC Paints & Finishes (50 g/L for paints, 100 g/L for anti-corrosives, stains and sealers)	Select One Option:				
		2	2		Yes	ECLC confirmed on site
		Do not exceed VOC levels for listed paints, stains and sealers				
		4			No	
IAQ 14	Low-VOC Adhesives (less than 100 g/L)	2	2		Yes	ECLC confirmed on site
IAQ 15	Carpet Systems are CRI Green Label Plus Certified	2	2		Yes	Received CRI certification
IAQ 16	FloorScore or Greenguard Certified Flooring	2	2		Yes	Vinyl flooring is FloorScore certified. Restroom and kitchen tile as well.
IAQ 17	Composite Wood Contains No Added Urea-Formaldehyde	1		1	No	ECLC did not receive information
IAQ 18	Formaldehyde-free Cavity Insulation	1	1		Yes	Received paperwork 10.15.2014
INDOOR AIR QUALITY TOTAL			25	8	18	
HIGH PERFORMANCE BUILDING ENVELOPE (BE)						
BE R1	Meet ASHRAE 90.1 -2007 for Building Envelope A. Prescriptive (meet an absolute set of R-Values/U-Factors for each component) B. Trade-off Option (insulation values may be "traded" between envelope components)	Select One Option:				
		R	-	-	n/a	
		R	-	-	Yes	Envelope 3% better than code
BE R2	Minimum Thermal Break for Steel Stud Framing	R	-	-	Yes	Confirmed in field
BE R3	Envelope Air Tightness Performance Test (measured ELR ₇₅ is 0.50 or better)	R	-	-	Yes	Building tested at .46
BE R4	Continuous Air Barrier	R	-	-	Yes	Confirmed in field



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BE R5 Rigid Air Barriers (in addition to air barrier at building thermal envelope) * Tub and showers areas (apply moisture-resistant, rigid air barrier to inside of insulated wall) * Cantilevers and overhangs must be blocked/sealed at wall intersection * Kneewalls adjacent to unconditioned attic space (apply attic side rigid air barrier)		All Must Comply:			
R	-	-	n/a		
R	-	-	Yes	Confirmed in field	
R	-	-	n/a		
BE R6 Air Barrier Penetrations are Sealed and Airtight	R	-	-	Yes	Confirmed in field, will recheck at final site visit.
BE R7 Complete Insulation Coverage * Insulation application (minimum Grade II quality) * Loose-fill attic insulation (card and rulers must be present) * Band/rim joists (insulate with rigid or spray foam to meet minimum of R-13)		All Must Comply:			
R	-	-	Yes		
R	-	-	n/a	Confirmed in field	
R	-	-	n/a		
BE R8 No Power Attic Ventilation	R	-	-	n/a	
AIR SEALING AND INSULATION					
BE 1 Exceed Air Tightness Performance Test Requirement: A. Measured ELR ₇₅ is 0.40 or better B. Measured ELR ₇₅ is 0.30 or better		Select One Option:			
	6				
	10	6	4	No	Building tested at .46
BE 2 Pre-construction Wall Mock-up	2		2	No	No mock-up
BE 3 Insulation at Slab Edges and Foundation Walls (R-4 continuous insulation at perimeter)	1			n/a	
BE 4 Closed Crawlspace	1			n/a	
BE 5 Unvented Attic	3	3		Yes	Confirmed in filed
BE 6 Install Insulation to Grade I Quality	3	3		Yes	Confirmed in filed
BE 7 Seal Drywall Penetrations	2		2	No	Contractor did not seal at the interior drywall
BE 8 Advanced Envelope Strategies (90% of opaque envelope components must comply) A. Walls (SIP, ICF, AAC, continuous exterior insulation, spray foam or dense-pack cellulose) B. Roofing (SIP, AAC, continuous insulation above roof deck or spray foam below roof deck)		Select All That Apply:			
	3			n/a	
	3		3	Yes	Confirmed in field
BE 9 Cool Roof (90% of roofing material meets criteria) A. ENERGY STAR qualified roofing material B. Minimum Solar Reflective Index (roofs > 2:12 = 29 or higher, roofs ≤ 2:12 = 82 or higher)		Select All That Apply:			
	3		3	Yes	
	5	5		No	ENERGY STAR roof installed
BE 10 Unconditioned Vestibules	2	2		Yes	ECLC confirmed on site
GLAZING					
BE 11 Minimize East/West Glazing (east and west glazing is less than 20% of total glazing area)	3		3	No	West and East windows represent 35% of the total windows, where 20% is required for points
BE 12 Reduce Vertical Glazing Thermal Conductivity (for 90% of vertical glazing) A. Maximum U-factor of 0.45 B. Maximum U-factor of 0.35		Select One Option:			
	2				
	4	4		Yes	Window U-Factor winter .29 winter and .27 Summer
BE 13 Architectural Solar Heat Gain Reduction Strategies (projection factor ≥ 0.50) A. For 90% of South glazing B. For 90% of South, East & West glazing C. For 90% of ALL glazing		Select One Option:			
	2				
	3		2	No	Did not see this, provide documentation if not pursued
	4				
BE 14 Daylighting Design Strategies A. Prescriptive Daylighting Strategy B. Computational Daylighting Design Analysis		Select One Option:			
	5			n/a	
	10				
HIGH PERFORMANCE BUILDING ENVELOPE TOTAL		23	19	18	
ENERGY EFFICIENT SYSTEMS (ES)					
ES R1 Meet ASHRAE Standard 90.1-2007 for HVAC A. Simplified Approach B. Prescriptive Path		Select One Option:			
	R	-	-	Yes	
	R	-	-	n/a	
ES R2 Provide Heating and Cooling Load Calculations	R	-	-	Yes	
ES R3 No Electric Resistance as Primary Heating Source	R	-	-	Yes	
ES R4 No HCFC or CFC Refrigerants	R	-	-	Yes	



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ES R5 Duct System Requirements (maximum flex duct runs, insulation and duct sealing) * Max flex duct run of 25 feet * R-6 insulation for ducts in unconditioned spaces	R	-	-	Yes	ECLC confirmed on site
	R	-	-	n/a	
ES R6 Duct Leakage Test (for HVAC ductwork located outside of the building thermal envelope - max 5%)	R	-	-	n/a	
ES R7 Meet ASHRAE Standard 90.1-2007 for Interior Lighting A. Building Area Method B. Space-by-Space Method	Select One Option:				COMcheck has 16% savings above code
	R	-	-	Yes	
	R	-	-	n/a	
ES R8 Additional Interior Lighting Control Requirements * Vacancy Sensors (classrooms, conference/meeting spaces and break rooms) * Automatic "After Hours" Shut-off Control	All Must Comply:				ECLC confirmed on site
	R	-	-	Yes	
	R	-	-	Yes	
ES R9 Meet ASHRAE Standard 90.1 - 2007 for Exterior Lighting	R	-	-	Yes	ECLC confirmed on site
ES R10 Additional Exterior Lighting Requirements * No exterior incandescent or halogen lamps (except motion controlled) * Decorative light fixtures use no Propane or Gas	All Must Comply:				these items not indicated on plans
	R	-	-	Yes	
	R	-	-	Yes	
ES R11 Meet ASHRAE Standard 90.1-2007 for Service Water heating * Tank water heaters include heat traps * Install pipe insulation on first 2 feet of cold water and 8 feet of hot water pipes * Insulation and timer controls required for any recirculating hot water system	All Must Comply:				ECLC received images of heat trap and installed insulation
	R	-	-	Yes	
	R	-	-	Yes	
	R	-	-	n/a	
ES R12 Minimum Water Heater Efficiencies (electric ≥ 0.92 EF and gas ≥ 0.62 EF)	R	-	-	Yes	EWB-1 and 2 have at least a .92 EF
HEATING AND COOLING					
ES 1 Right-sized Heating and Cooling Equipment (sized within 95% to 115% of cooling load)	2	2		Yes	
ES 2 Increased Cooling Equipment Efficiency (for 80% of installed cooling capacity) A. 2 SEER - or - 1 EER better than code B. 3 SEER - or - 2 EER better than code C. 4 SEER - or - 3 EER better than code	Select One Option:				Improvement: 1.5 EER, 2.5 EER. Calculated using Simplified Approach.
	3	3	3	Yes	
	4				
	6				
ES 3 Increased Heating Equipment Efficiency (for 80% of installed heating capacity) * Furnace efficiency of AFUE 92% or better * Air source heat pumps with HSPF 8.2 / COPH 2.4 or greater	3	3		Yes	COP of 2.4 for 15-ton units
ES 4 Ductless Systems (for 80% Heating and Cooling capacity - outside air must be addressed)	3			n/a	
ES 5 Multi-stage Compressor Cooling Equipment (for 80% of cooling capacity)	3		3	Yes	
ES 6 Thermostatic or Electronic Expansion Valves (for 80% of cooling capacity)	1	1		Yes	
ES 7 High Efficiency Air Handler (ECM/VFD for 80% of cooling capacity)	3		3	No	only 60%
ES 8 Provide Temperature Control for Occupants (75% of office, multipurpose and meeting space)	1	1		No	Currently this is not being fulfilled per drawings spaces 118,128,130,105, 106, and 104
DUCTWORK AND AIR HANDLER					
ES 9 Installed Ductwork is Consistent with Design	3	3		Yes	ECLC confirmed on site
ES 10 All Air Handlers within Building Thermal Envelope	3	3		Yes	ECLC confirm in field
ES 11 All Ductwork within Building Thermal Envelope	4	4		Yes	ECLC confirm in field
ES 12 Duct Distribution Efficiency * Provide at least 2 feet of straight supply trunk between the fan discharge and the first turn * Branch take-offs from supply trunk must begin at least 2 feet away from fan discharge * Branch take-offs on same side of supply trunk must be spaced at least 6" apart * Use radius elbows or turning vanes on rectangular ducts for turns greater than 45° * Use smooth wye branch fittings for supply take-offs and transitions * Size return duct cross sectional area to be at least 10% larger than supply ducts	3		3	Yes	ECLC confirmed on site
	Points are awarded if installed system meets these criteria				
ES 13 Rigid Ductwork (exception - flexible supply ducts to register up to 6 feet acceptable)	3	3		Yes	ECLC confirmed on site
INTERIOR LIGHTING					
ES 14 Increased Interior Lighting Efficiency (reduction from ASHRAE Standard 90.1-2007) A. Lighting Power Density = 10 % or better B. Lighting Power Density = 20 % or better C. Lighting Power Density = 30 % or better	Select One Option:				COMcheck has 16% savings above code. ECLC confirmed on site
	3	3	1	Yes	
	4				
	6				




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ES 15	Multi-level Lighting Controls for Occupants (office, multipurpose and meeting spaces)	3	3	No	Several meeting rooms do not have multi-level controls (118,119, 125, 128, and 130)		
ES 16	Vacancy/Occupancy Sensors A. For 75% of Continuously Occupied Spaces (private offices, open office areas and classrooms) B. For 75% of Intermittently Occupied Spaces (restrooms, corridors/hallways, and storage rooms)	Select All That Apply:			ECLC confirmed all rooms have sensors		
	3		3	Yes			
	3		3	Yes			
ES 17	Automatic Lighting Controls in Daylit Areas	4		n/a			
EXTERIOR LIGHTING							
ES 18	Increased Exterior Lighting Efficiency (20% better than ASHRAE Standard 90.1-2007)	3		3	Yes	Exterior lights 40% better than code	
ES 19	Advanced Exterior Lighting Control A. Automatic After-hours Shut-off Controls (ALL exterior signage and decorative lighting) B. Curfew Lighting (reduce light levels during curfew period)	Select All That Apply:			ECLC confirmed on site		
	2			Yes			
	2		2	Yes			
WATER HEATING							
ES 20	High Efficiency Water Heaters * Condensing Gas Water Heater with energy factor 0.90 or better * Tankless Water Heating with an energy factor of 0.82 or better * Heat Pump Water Heating with an energy factor of 2.00 or better	2			n/a	All must comply	
ES 21	Hot Water Distribution Efficiency (water fixtures < 20 ft from water heater) A. Central Tank or Tankless Water Heater B. Central Tank or Tankless Water Heater + Point-of-Use Electric Water Heaters C. Point-of-use water heater used in lieu of traditional water heater	Select One Option:			No	Plans do not indicate Hot Water source is within 20 feet of use.	
	2						
	2		3				
	3						
ES 22	On-demand Hot Water Recirculation System (not continuous circulation)	2			n/a		
ES 23	No Hot Water Provided for Lavatory Faucets	2		2	No	currently hot water is being piped into lavatories	
ES 24	Heat Recovery Water Heating	2			n/a		
ENERGY STAR LABELED APPLIANCES AND EQUIPMENT							
ES 25	ENERGY STAR Labeled Appliances and Equipment A. 100% of Residential and Commercial Appliances B. 80% of Computers and Electronics C. 80% of Commercial Food Service Equipment and Commercial Appliances	Select All That Apply:			No	A. If Water Fountains were ENERGY STAR you could have gotten these points, but it is not; B. If Client wants to pursue this point, I need 80% of the items in this section (see guidelines) to be ENERGY STAR need a clear picture of the item and the label; C. Yes, Got this point, all appliances are ENERGY STAR.	
	2	2					
	2	2					
	4	4			Yes		
RENEWABLE AND ALTERNATIVE ENERGY							
ES 26	Solar Thermal Water Heating	3		3	No	not indicated on drawings	
ES 27	On-site Renewable Power Generation A. 1 kW generation = 5 points B. Each additional 1kW = 1 point per kW (up to 20 points available)	Select All That Apply:			No	not indicated on drawings	
	5		5				
	20				n/a		
ENERGY EFFICIENT BUILDING SYSTEMS TOTAL			37	34	48		
WATER EFFICIENCY (WE)							
WE R1	Water Fixture Minimum Efficiency * Standard Toilet (max 1.45 gpf) * Dual-flush Toilet (max 1.2 gpf / 1.6 gpf - OR - equivalent average of 1.45 gpf or less) * Urinals (max 0.5 gpf) * Lavatory Faucets (max 0.5 gpm/un-metered or 0.25gpc)	All Must Comply:			Yes	* All Std. Toilet are 1.28 gpf; * Urinals are .125 gpf; * Lavatory Faucets were changed to 0.5 gpm	
	R	-	-	-			
	R	-	-	-			n/a
	R	-	-	-			Yes
	R	-	-	-	Yes		

 EarthCraft Light Commercial Worksheet Project Name: Young Israel Of Toco Hills Synagogue Climate Zone:	Points	Point Totals			Project Team Notes
		147	89	153	
		Planned	Maybe	Complete	
*Shower Heads (max 2.5 gpm)	R	-	-	n/a	
WE R2 Shut-off Controls for Any Installed Irrigation System	R	-	-	n/a	
INDOOR WATER-USE					
WE 1 High Efficiency Toilets - WaterSense or Equivalent (1.28 gpf or less)	6	6		Yes	ECLC Confirmed 1.28 gpf on site
WE 2 Pint Flush or Waterless Urinal (ALL urinals)	4	4		Yes	ECLC Confirmed .125 gpf on site
WE 3 Non-potable Water Source for Sewage Conveyance (rainwater, greywater, condensate) A. 50% of Toilet/Urinal Fixtures B. 100% of Toilet/Urinal Fixtures	Select One Option:				
	4			n/a	
	6			n/a	
WE 4 High Efficiency Showerheads - WaterSense or Equivalent (2.0 gpm or less)	2			n/a	
OUTDOOR WATER-USE					
WE 5 Water Efficient Landscaping (submit plant list as part of landscaping plan) A. Prescriptive Approach (75% of developed site area must follow prescriptive measures) B. Xeriscape™ Landscape Plan (stamped by a certified landscape architect)	Select One Option:				
	3			Yes	Landscaping was designed to Xeriscaping standards
	5	5	2	Yes	Landscaping was designed to Xeriscaping standards
WE 6 Advanced Outdoor Water Efficiency Strategies (must meet WE 5 as a prerequisite) A. No Irrigation System Installed B. Non-potable Water Source Used for Irrigation (rainwater, greywater or condensate)	Select One Option:				
	3			Yes	ECLC confirmed no irrigation system installed
	3	3		Yes	ECLC confirmed no irrigation system installed
WE 7 Efficient Irrigation A. Irrigation System Design by WaterSense Professional B. Zoned Irrigation System (specific to water needs for each planting area) C. Drip Irrigation System (in lieu of spray irrigation system) D. Weather Station or Soil Moisture Sensors E. Seasonal Water Schedules (for "grow-in phase" and "established" landscape)	Select All That Apply:				
	1			n/a	
	1			n/a	
	1			n/a	
	1			n/a	
	1			n/a	
WATER EFFICIENCY TOTAL		18	2	18	
EDUCATION AND OPERATIONS (EO)					
EO R1 Utility Information Sharing (supply energy and water usage data after 1 year of operation)	R	-	-	Yes	Received the first two months of bills
EO R2 Provide Maintenance Schedule to Owner/Occupant	R	-	-	Yes	ECLC received maintenance schedule
EO R3 No Smoking Policy (locate smoking areas at least 25 ft away from building openings)	R	-	-	Yes	ECLC received documentation
EO 1 Building Systems Commissioning	5		5	No	Building Systems Commissioning was not pursued
EO 2 Facility Operations Manual (provide and review with owner/occupant)	5	5		Yes	Contractor provided video explaining each system
EO 3 Recycling Accommodations (aluminum, plastic, paper, glass and cardboard)	2	2		Yes	ECLC received bin plan
EO 4 Recycling Collection (aluminum, plastic, paper, glass and cardboard)	1	1		Yes	ECLC received 1 year contract
EO 5 Educational Displays A. Educational Signage and Displays B. Interactive Display (real-time data of environmental features of building)	Select All That Apply:				
	2	2		No	indicated on plans, but needs to be confirm on site
	2			n/a	
EDUCATION AND OPERATIONS TOTAL		10	5	8	
INNOVATION (IN)					
IN 1 Innovation Strategy	5				
IN 2 Innovation Strategy	5				
IN 3 Innovation Strategy	5				
INNOVATION TOTAL		0	0	0	