

# Construction Documents - Assessor



## Printable Survey with Scores

**This document provides a preliminary Green Globes score based upon the answers selected in the corresponding online survey. The final Green Globes score and rating will be based upon third-party verification and provided within the assessor's Stage II report.**

<b>OVERALL SCORE - 59%</b>	<b>740</b>	<b>434</b>
<b>1 PROJECT MANAGEMENT - 56%</b>	<b>70</b>	<b>39</b>
<b>1.1 INTEGRATED DESIGN PROCESS (IDP)</b>	<b>20</b>	<b>19</b>
<b>1.1.1 Integrated Design Meetings</b>	<b>6</b>	<b>6</b>

1.1.1.1 Was an integrated design process (IDP) employed, which included a <b>minimum of three</b> of the following key design disciplines involved in the project? <i>(check as many key disciplines below as apply)</i>	<input checked="" type="radio"/> Yes <input type="radio"/> No	6	6
1.1.1.1.1 • Acoustics Consultant, Acoustician, or Special Systems Engineer?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
1.1.1.1.2 • Architect or Interior Designer?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
1.1.1.1.3 • Building Facilities Manager?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA		
1.1.1.1.4 • Commissioning Agent?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
1.1.1.1.5 • Contractor?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
1.1.1.1.6 • Electrical Engineer?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA		
1.1.1.1.7 • Lighting Designer/Illuminating Engineer?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
1.1.1.1.8 • Mechanical Engineer - HVAC?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA		

1.1.1.1.9	• Mechanical Engineer - Plumbing?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
1.1.1.1.10	• Owner and/or Leasing Company Representative?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
1.1.1.1.11	• Project Manager?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
1.1.1.1.12	• Structural Engineer?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA		
1.1.1.1.13	• Sustainable Design Coordinator?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
1.1.1.1.14	• User Group Representative?	<input checked="" type="radio"/> Yes <input type="radio"/> No		

**1.1.2 IDP Performance Goals**

**11**

**10**

1.1.2.1 <u>Were (qualitative) green design goals established at the pre-design phase for the following:</u>			
1.1.2.1.1	• Acoustic comfort?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1 1
1.1.2.1.2	• Efficient lighting?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1 1
1.1.2.1.3	• Lighting quality?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1 1
1.1.2.1.4	• Material utilization and efficiency?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1 1
1.1.2.1.5	• Space optimization and flexibility?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1 1
1.1.2.1.6	• Thermal comfort and indoor air quality?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1 1
1.1.2.1.7	• Waste management and recycling for occupants?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1 1
1.1.2.2 <u>Were performance goals (metrics) established at the pre-design phase for the following:</u>			
1.1.2.2.1		<input checked="" type="radio"/> Yes <input type="radio"/> No	1 1

• Construction waste diversion?			
1.1.2.2.2 • Lighting power density?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1
1.1.2.2.3 • Plug load power density?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1
1.1.2.2.4 • Water conserving features?	<input type="radio"/> Yes <input checked="" type="radio"/> No	1	0

**1.1.3 IDP Progress Meetings for Design**

**3 3**

1.1.3.1 Did the integrated design process (IDP) team hold progress meetings prior to the completion of the following project phases:			
1.1.3.1.1 • At the Concept Design Phase?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1
1.1.3.1.2 • At the Design Development Phase?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1
1.1.3.1.3 • At the Construction Documents Phase?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1

**1.2 ENVIRONMENTAL MANAGEMENT DURING CONSTRUCTION**

**10 7**

**1.2.1 Building Materials and Building Envelope**

**2 2**

1.2.1.1 Is there a requirement for the following construction best-practices to protect building materials and control mold:			
1.2.1.1.1 • Building materials made of organic material or those that could absorb moisture are protected in transit and at the construction site from contact with moisture and from collecting organic matter such as leaves, soil or insects?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1
1.2.1.1.2 • The interior is weather-tight and dry before installation of interior walls, wood floors, ceilings, or HVAC systems?	<input checked="" type="radio"/> Yes <input type="radio"/> No	1	1

**1.2.2 IAQ during Construction**

**8 5**

1.2.2.1 Is there a requirement for either one of the following best-practices to maintain good indoor air quality?			
• The area under construction is to be flushed with 100% outdoor air for 7 consecutive days prior to occupancy and filters changed after flush out but	<input type="radio"/> Building flushed 7 days & filters changed		

<p>before it is occupied?</p> <p>or</p> <ul style="list-style-type: none"> <li>Baseline Indoor Air Quality testing gives positive results as per Environmental Protection Agency (EPA) Testing for Indoor Air Quality, section 01 81 09, (December 2007)?</li> </ul>	<p><input type="radio"/> IAQ test yields acceptable results</p> <p><input checked="" type="radio"/> No</p>	<p>3</p>	<p>0</p>
<p>1.2.2.2 Where parts of the building will be occupied during construction, which of the following five basic strategies are specified per SMACNA'S <i>IAQ Guidelines for Occupied Buildings Under Construction</i> to control dust, odors or irritants:</p>			
<p>1.2.2.2.1</p> <ul style="list-style-type: none"> <li>HVAC Protection?</li> </ul>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA</p>	<p>1</p>	<p>1</p>
<p>1.2.2.2.2</p> <ul style="list-style-type: none"> <li>Pollutant Source Control?</li> </ul>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA</p>	<p>1</p>	<p>1</p>
<p>1.2.2.2.3</p> <ul style="list-style-type: none"> <li>Pathway Interruption?</li> </ul>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA</p>	<p>1</p>	<p>1</p>
<p>1.2.2.2.4</p> <ul style="list-style-type: none"> <li>Housekeeping?</li> </ul>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA</p>	<p>1</p>	<p>1</p>
<p>1.2.2.2.5</p> <ul style="list-style-type: none"> <li>Scheduling?</li> </ul>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA</p>	<p>1</p>	<p>1</p>
<p><b>1.3 ENVIRONMENTAL PURCHASING</b></p>		<p><b>10</b></p>	<p><b>10</b></p>
<p>1.3.1 Does the environmental purchasing plan for construction include the procurement of energy-saving, high-efficiency equipment?</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>5</p>	<p>5</p>
<p>1.3.2 Is there an environmental purchasing plan for the future occupying organization with provisions for energy and water efficient equipment, environmental attributes for consumables, and a policy and procedure to reduce and minimize the need for materials and products?</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p>5</p>	<p>5</p>
<p><b>1.4 COMMISSIONING</b></p>		<p><b>30</b></p>	<p><b>3</b></p>
<p><b>1.4.1 Commissioning Requirements</b></p>		<p><b>24</b></p>	<p><b>0</b></p>
<p>1.4.1.1 Is there a requirement that commissioning of new interior building elements or systems is to be conducted in accordance with <i>ASHRAE/NIBS Guideline 0-2005: The Commissioning Process, Articles 5, 6, and 7</i> for the following:</p>			
<p>1.4.1.1.1</p> <ul style="list-style-type: none"> <li>Building automation systems?</li> </ul>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA</p>	<p>3</p>	<p>0</p>
<p>1.4.1.1.2</p> <ul style="list-style-type: none"> <li>Communication systems?</li> </ul>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA</p>	<p>2</p>	<p>0</p>
<p>1.4.1.1.3</p>			

• Electrical systems?	<input type="radio"/> Yes <input checked="" type="radio"/> No	2	0
1.4.1.1.4 • Fire protection system?	<input type="radio"/> Yes <input checked="" type="radio"/> No	2	0
1.4.1.1.5 • HVAC&R and controls?	<input type="radio"/> Yes <input checked="" type="radio"/> No	5	0
1.4.1.1.6 • Lighting systems and their controls?	<input type="radio"/> Yes <input checked="" type="radio"/> No	5	0
1.4.1.1.7 • Plumbing system?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA	2	0
1.4.1.2 <u>Is there a requirement that the commissioning will be conducted in accordance with ASHRAE Guideline 0-2005: Annex L?</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No	3	0

**1.4.2 Training**

**3 0**

1.4.2.1 <u>Is there a requirement that there will be training for the facility operator on the systems listed above in accordance with ASHRAE/NIBS Guideline 0-2005: Article 7.2.14?</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No	3	0
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**1.4.3 Operations and Maintenance Manual**

**3 3**

1.4.3.1 <u>Is there a requirement to develop or modify an existing Operations and Maintenance (O&amp;M) Manual and/or Computerized Maintenance Management System (CMMS) that contains descriptions and information on the continuous tasks related to any additional complex systems – for example communications, fire, security, cleaning instructions, lighting controls, etc.?</u>	<input checked="" type="radio"/> There is/will be a complete, user-friendly O&M manual, relevant to the project scope <input type="radio"/> O&M Manual meets some, but not all, requirements <input type="radio"/> There is/will be a complete CMMS, or CMMS update, relevant to the project scope <input type="radio"/> CMMS meets some, but not all, requirements <input type="radio"/> No	3	3
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**2 ENERGY - 48%**

**260 126**

**2.1 ENERGY SUB-METERING**

**45 0**

2.1.1 <u>Is electricity separately metered for the interior space?</u>	<input type="radio"/> Yes <input checked="" type="radio"/> No	10	0
2.1.2 <u>Is there sub-metering installed for the following:</u>			
2.1.2.1 • Lighting?	<input type="radio"/> Yes <input checked="" type="radio"/> No	10	0
2.1.2.2 • Plug loads?	<input type="radio"/> Yes <input checked="" type="radio"/> No	10	0

<p><u>2.1.2.3</u></p> <ul style="list-style-type: none"> <li>• Large specialized equipment (e.g. servers, medical equipment, MRI units, etc.) that are likely to produce more than 10% of annual energy use?</li> </ul>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA</p>	<p>0</p>	<p>0</p>
<p><u>2.1.2.4</u></p> <ul style="list-style-type: none"> <li>• Other features that impact energy?</li> </ul>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA</p>	<p>0</p>	<p>0</p>
<p><u>2.1.2.4.1 Describe:</u></p>	<div style="border: 1px solid black; height: 40px; width: 100%;"></div>		
<p><u>2.1.3</u> Is there a monitoring feature that includes continuous or regular updates for shared with tenants for different energy end uses, plug loads, and high energy use equipment?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	<p>10</p>	<p>0</p>
<p><u>2.1.4</u> Is the monitored data analyzed, configured and reported in such a way that tenants can take corrective action to reduce loads based on the reported results?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	<p>5</p>	<p>0</p>

**2.2 BUILDING ENVELOPE**

**15**

**0**

<p><u>2.2.1</u> Are windows energy efficient, or were inefficient windows retrofitted to improve energy efficiency by the following:</p>			
<p><u>2.2.1.1</u></p> <ul style="list-style-type: none"> <li>• The thermal transmittance (U-factor) of the building's fenestration system is less than or equal to the values in Table 2.2.1 of the Green Globes for Sustainable Interiors Technical Reference Manual?</li> </ul>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	<p>5</p>	<p>0</p>
<p><u>2.2.1.2</u></p> <ul style="list-style-type: none"> <li>• The Solar Heat Gain Coefficient (SHGC) of the building's fenestration system is less than or equal to the values in Table 2.2.1 of the Green Globes for Sustainable Interiors Technical Reference Manual?</li> </ul>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	<p>5</p>	<p>0</p>
<p><u>2.2.2</u> Have existing windows been sealed to reduce infiltration?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA</p>	<p>5</p>	<p>0</p>
<p><u>2.2.3</u> Are the non-base building supplementary heating and/or cooling systems high efficiency units (e.g. cooling in server rooms)?</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA</p>	<p>0</p>	<p>0</p>

**2.3 LIGHTING**

**95**

**95**

**2.3.1 Lighting Power Density**

**40**

**40**

<p><u>2.3.1.1</u> Is the total installed interior lighting power density (LPD) of the space at or below the lighting power density requirement in the Green Globes for Sustainable Interiors Technical Reference Manual, Table 2.3.1.1-A Building Area Method or Table 2.3.1.1-B Space-by-Space Method?</p>	<p><input type="radio"/> Yes, Building Area Method  <input checked="" type="radio"/> Yes, Space-by-Space Method  <input type="radio"/> No</p>	<p>40</p>	<p>40</p>
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**2.3.2 Interior Automatic Light Shut-off Controls**

**30**

**30**

<p>2.3.2.1 How many light fixtures have time-scheduling devices and/or individual occupant-sensing devices?</p>	<p> <input checked="" type="radio"/> More than 50%  <input type="radio"/> 30% - 50%  <input type="radio"/> 10% - 29%  <input type="radio"/> Less than 10%  <input type="radio"/> No  <input type="radio"/> N/A                 </p>	<p>30</p>	<p>30</p>
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**2.3.3 Light Reduction Controls**

**25**

**25**

<p>2.3.3.1 How many interior light fixtures have lighting controls that can reduce the lighting load by at least 50% from full lighting using any of the following technologies:</p> <ul style="list-style-type: none"> <li>Dual switching of alternate rows or luminaries?</li> <li>Switching of individual lamps independently of adjacent lamps within a luminaire?</li> <li>Switching of each lamp or luminaire?</li> <li>Occupancy sensors within the space?</li> </ul>	<p> <input checked="" type="radio"/> More than 50%  <input type="radio"/> 30% - 50%  <input type="radio"/> 10% - 29%  <input type="radio"/> Less than 10%  <input type="radio"/> No  <input type="radio"/> N/A                 </p>	<p>25</p>	<p>25</p>
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**2.4 DAYLIGHTING**

**30**

**0**

**2.4.1 Controls for Daylighted Zones**

**30**

**0**

<p>2.4.1.1 Do all small daylit areas have automatic photocell lighting controls?</p>	<p> <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA                 </p>	<p>15</p>	<p>0</p>
<p>2.4.1.2 Do all large daylit areas have automatic photocell lighting controls?</p>	<p> <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA                 </p>	<p>15</p>	<p>0</p>

**2.5 HVAC SYSTEMS AND CONTROLS**

**25**

**25**

**2.5.1 Automation Systems**

**15**

**15**

<p>2.5.1.1 Is there a central Building Automation System (BAS) that encompasses all systems that affect building energy performance, lighting, and thermal comfort?</p>	<p> <input checked="" type="radio"/> Yes <input type="radio"/> No                 </p>	<p>10</p>	<p>10</p>
<p>2.5.1.2 Can the heating, ventilation and air-conditioning serving interior zones be controlled independently of the heating, ventilation and air-conditioning serving adjacent spaces that are not part of the interiors project?</p>	<p> <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA                 </p>	<p>5</p>	<p>5</p>

**2.5.2 Domestic Hot Water Heaters**

**10**

**10**

<p>2.5.2.1 Are the new water heaters tankless instant hot-water heaters or do they meet the efficiency requirements of ASHRAE 90.1-2010?</p>	<p> <input type="radio"/> Tankless instant hot-water heaters  <input type="radio"/> Meets ASHRAE 90.1-2010  <input type="radio"/> No  <input checked="" type="radio"/> N/A                 </p>	<p>0</p>	<p>0</p>
<p>2.5.2.2 Are all building gas domestic hot water heaters equipped with intermittent electrical igniters and low</p>	<p> <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA                 </p>	<p>10</p>	<p>10</p>

NO <sub>x</sub> burners?			
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**2.6 PLUG LOADS**

**50**

**6**

**2.6.1 Plug Load Inventory**

**16**

**0**

<p>2.6.1.1 Is there an inventory of plug load items and equipment (based on name plate specifications) that is kept current, reviewed and revised as space occupancy and systems change?</p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	5	0
<p>2.6.1.2 Is there separate metering and monitoring – either real-time continuous or interval metering (down to 15 minute resolution) – that distinguishes between plug loads and major equipment loads and allows occupants to view plug load profiles?</p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	6	0
<p>2.6.1.3 Is there a system in place to track plug loads (from metered data) on at least a monthly basis, and which provides feedback to occupants for recommended strategies they can use to limit plug loads over which they have control?</p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	5	0

**2.6.2 Plug Load Limiting**

**12**

**6**

<p>2.6.2.1 Are there policies in place that limit or prohibit “plug load accumulation” – the introduction or use of personal electrical equipment that increase plug loads (e.g. space heaters, fans, task lamps, coffee makers, charging stations, additional personal computers, etc.)?</p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	6	0
<p>2.6.2.2 Is there a policy in place that requires all new equipment purchases to be based on energy efficient criteria, such as ENERGY STAR® or other applicable standards?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA</p>	6	6

**2.6.3 Plug Load Management**

**22**

**0**

<p>2.6.3.1 Are there the following software-based power management control systems that can be programmed to minimize plug loads:</p>		
<p>2.6.3.1.1</p> <ul style="list-style-type: none"> <li>Power management strategies to control plug loads?</li> </ul> <p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA</p>	7	0
<p>2.6.3.1.2</p> <ul style="list-style-type: none"> <li>The power management system has been commissioned and is actively in use?</li> </ul> <p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA</p>	7	0
<p>2.6.3.2 Is there a policy in place for educating occupants on how to best manage plug loads to minimize plug load energy use?</p> <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	8	0

**3 WATER - 33%**

**12**

**4**



**3.1 PLUMBING FIXTURES**

0

0

<p><u>3.1.1</u> Are the following plumbing fixtures and fittings dedicated to the space certified as being compliant with the requirements of the U.S. EPA's WaterSense Program:</p>			
<p><u>3.1.1.1</u></p> <ul style="list-style-type: none"> <li>Toilets (maximum effective flush 1.28 gallons)?</li> </ul>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA</p>	0	0
<p><u>3.1.1.2</u></p> <ul style="list-style-type: none"> <li>Urinals that achieve one of the following:                             <ul style="list-style-type: none"> <li>Use no water? <b>or</b></li> <li>Maximum effective flush volume of 1 pint? <b>or</b></li> <li>Maximum effective flush volume of 0.5 gallons?</li> </ul> </li> </ul>	<p><input type="radio"/> No water  <input type="radio"/> Max flush less than or equal to 1 pint  <input type="radio"/> Max flush less than or equal to 0.5 gallons  <input type="radio"/> No  <input checked="" type="radio"/> N/A</p>	0	0
<p><u>3.1.1.3</u></p> <ul style="list-style-type: none"> <li>Showerheads (maximum effective flow rate 2.0 gallons per minute)?</li> </ul>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA</p>	0	0
<p><u>3.1.1.4</u></p> <ul style="list-style-type: none"> <li>Non-residential lavatory faucets (maximum flow rate 0.5 gallons per minute)?</li> </ul>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA</p>	0	0

**3.2 RESIDENTIAL & COMMERCIAL FOOD SERVICE FIXTURES AND EQUIPMENT**

12

4

<p>Green Globes provides two paths for assessing either residential plumbing fixtures or commercial food service equipment (as applicable):</p> <ul style="list-style-type: none"> <li><b>Path A: Residential Plumbing Fixtures</b> - 20 points</li> <li><b>Path B: Commercial Food Service Equipment</b> - 20 points</li> </ul> <p>Points cannot be combined between paths. Please review and select the appropriate pathway for the project, subject to Green Globes Assessor review.</p>			
<p><input checked="" type="radio"/> <b>3.2.1 Path A: Residential Plumbing Fixtures</b></p>			
<p><u>3.2.1.1</u> Do residential lavatory faucets conform to WaterSense?</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA</p>	0	0
<p><u>3.2.1.2</u> Do residential kitchen faucets conform to WaterSense?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA</p>	8	0
<p><u>3.2.1.3</u> Do residential clothes washers have an ENERGY STAR® label and a maximum water factor of 6.0 gal/ft.<sup>3</sup> (23 L/m<sup>3</sup>) per full cycle?</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA</p>	0	0
<p><u>3.2.1.4</u> Do residential dishwashers have an ENERGY STAR® label and a maximum water factor of 5.8 gal/ft.<sup>3</sup> (22 L/m<sup>3</sup>) per full cycle?</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA</p>	4	4
<p><input type="radio"/> <b>3.2.2 Path B: Commercial Food Service Equipment</b></p>			
<p><u>3.2.2.1</u> Do food services avoid water intensive equipment</p>			

by having no water-fed garbage disposal?	<input type="radio"/> Yes <input checked="" type="radio"/> No		
<b>3.2.2.2 Do the following appliances meet the prescribed limits for water usage:</b>			
<b>3.2.2.2.1</b> • Combination ovens or steamers consume 2 gal/hr. (7.6 L/hr.) or less?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA		
<b>3.2.2.2.2</b> • Pre-rinse spray valves for dish-rinsing consume 1.5 gal/min (5.7 L/min) or less?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA		
<b>3.2.2.2.3</b> • Dishwashers consume 1.5 gal/rack/cycle (6 L/cycle) or less?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA		

**3.3 WATER INTENSIVE APPLICATIONS**

**0 0**

**3.3.1 Laboratory and Medical Equipment**

**0 0**

<b>3.3.1.1 Are sterilizers equipped with the following:</b>			
<b>3.3.1.1.1</b> • Mechanical vacuum systems?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
<b>3.3.1.1.2</b> • Water tempering devices that only allow water to flow when the discharge of condensate or hot water from the sterilizer exceeds 140°F (60°C)?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
<b>3.3.1.2 Does laboratory or medical equipment use non-potable water for once-through cooling?</b>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
<b>3.3.1.3 Are dry vacuum systems specified for medical/dental purposes?</b>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
<b>3.3.1.4 Do X-rays, MRIs, CT scans, and other imaging equipment employ digital technologies;</b>  <i>and/or</i> <b>Do large X-ray film systems (capable of processing X-ray films of more than 5.9 in (150 mm) in length or width) employ recycling technology to reduce water waste?</b>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0

**3.3.2 Laundry Equipment**

**0 0**

<b>3.3.2.1 Do coin or card-operated laundromat machines meet the prescribed water factor (WF) performance as follows (if applicable):</b>  • Single-load, soft- or hard-mount laundromat washing machines with a WF of 8 gal/ft. <sup>3</sup> or less?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
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<p><i>and/or</i></p> <ul style="list-style-type: none"> <li>Multi-load washing machines with a WF of 9.5 gal/ft.<sup>3</sup> or less?</li> </ul>			
<p>3.3.2.2 If an institutional/industrial laundry, are there the following types of washing machines:</p> <ul style="list-style-type: none"> <li>Tunnel washing machine that is programmable to use a specific amount of water depending on the soiling of the material to be washed?</li> <li>That has a water consumption of 0.96 gal/lb. (8 L/kg); or less than 1.44 gal/lb. (12 L/kg)?</li> <li>That has a water recycling system?</li> </ul>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0

**3.3.3 Special water features**

**0      0**

<p>3.3.3.1 Do special water features (e.g. swimming pools, spas, ornamental fountains, water playscapes, etc.) filter and re-circulate water for reuse within the system?</p>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
<p>3.3.3.2 Do special water features use alternate sources of water for make-up water?</p>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0

**3.3.4 Metering**

**0      0**

<p>3.3.4.1 Is there sub-metering for all water-intensive indoor applications such as commercial kitchens, commercial laundry, labs, pools, spas, etc.?</p>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
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**4 MATERIALS AND RESOURCES - 68%**

**205      140**

**4.1 INTERIOR FIT-OUTS (INCLUDING FINISHES AND FURNISHINGS)**

**60      35**

<p>Green Globes SI provides two paths for assessing interior fit-outs (including finishes and furnishings):</p> <ul style="list-style-type: none"> <li><b>Path A: Performance Path for Interior Fit-outs</b> - 60 points</li> <li><b>Path B: Prescriptive Path for Interior Fit-outs</b> - 50 (out of 60) points</li> </ul> <p>Points cannot be combined between paths for 4.1 Interior Fit-outs. Please review and select answers from one of the two paths as appropriate for your project.</p>			
<p><input type="radio"/> <b>4.1.1 Path A: Performance Path for Interior Fit-outs</b></p>			
<p>4.1.1.1 Was life cycle assessment and relative comparison of a minimum of two alternative interior fit-outs (including finishes and furnishings) performed during design, which resulted in the selection of an interior fit-out that has the least anticipated environmental impact based upon comparable applications?</p>	<input type="radio"/> Yes <input checked="" type="radio"/> No		
<p><input checked="" type="radio"/> <b>4.1.2 Path B: Prescriptive Path for Interior Fit-outs</b></p>			
<p>4.1.2.1 Based upon the appropriate application and specification of comparable products, what percentage of the interior fit-out materials and products (including finishes and furnishings) selected (based upon cost) have:</p>			

<p><u>4.1.2.1.1</u></p> <ul style="list-style-type: none"> <li>• <b>Environmental Product Declarations (EPDs)</b> that utilize Program Operator verified EPD, conform to ISO standards, and minimally include cradle-to-gate scope:             <ul style="list-style-type: none"> <li>◦ <b>Industry Wide (Generic) EPD:</b> Products specified for the interior fit-out shall include Type III Environmental Product Declaration (EPD)?</li> </ul> </li> </ul> <p><i>and/or</i></p> <ul style="list-style-type: none"> <li>◦ <b>Manufacturer Specific EPD:</b> Products specified for the interior fit-out shall include Type III Environmental Product Declaration (EPD)?</li> </ul> <p><i>and/or</i></p> <ul style="list-style-type: none"> <li>• <b>Third-party certifications</b> that are based upon a multiple attribute standard(s) developed by a consensus based process from an approved standard development organization?</li> </ul> <p><i>and/or</i></p> <ul style="list-style-type: none"> <li>• <b>Third-party verified product life cycle assessment</b> based upon <i>ISO 14040</i> and <i>14044</i>, and minimally covers cradle-to-gate scope?</li> </ul> <p><i>and/or</i></p> <ul style="list-style-type: none"> <li>• <b>Third-party sustainable forestry certifications?</b></li> </ul>	<p> <input type="radio"/> &gt; 39%  <input checked="" type="radio"/> 25 - 39%  <input type="radio"/> 10 - 24%  <input type="radio"/> 1 - 9%  <input type="radio"/> No         </p>	<p>60</p>	<p>35</p>
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**4.2 MINIMIZED USE OF INTERIOR MATERIALS**

0

0

<p><u>4.2.1</u> Are furnishings used that can be converted to serve multiple functions (e.g. seating that can also be used for sleeping)?</p>	<p> <input type="radio"/> Yes    <input checked="" type="radio"/> No    <input type="radio"/> NA         </p>		
<p><u>4.2.1.1</u> Describe any such furnishings used:</p>	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		

**4.3 DECONSTRUCTION, DISASSEMBLY, AND REASSEMBLY**

45

30

<p><u>4.3.1</u> Does the interior fit-out design facilitate future deconstruction, demounting and disassembly, and re-configuration by utilizing the following:</p>			
<p><u>4.3.1.1</u></p> <ul style="list-style-type: none"> <li>• Modular furniture systems?</li> </ul>	<p> <input type="radio"/> Yes    <input type="radio"/> No    <input checked="" type="radio"/> NA         </p>	<p>0</p>	<p>0</p>
<p><u>4.3.1.2</u></p> <ul style="list-style-type: none"> <li>• Modular casework solutions?</li> </ul>	<p> <input checked="" type="radio"/> Yes    <input type="radio"/> No    <input type="radio"/> NA         </p>	<p>15</p>	<p>15</p>
<p><u>4.3.1.3</u></p> <ul style="list-style-type: none"> <li>• Interior demountable partitions?</li> </ul>	<p> <input type="radio"/> Yes    <input checked="" type="radio"/> No    <input type="radio"/> NA         </p>	<p>15</p>	<p>0</p>
<p><u>4.3.2</u> Are assemblies constructed to be erected by easily removable and reusable fastening methods?</p>	<p> <input checked="" type="radio"/> Yes    <input type="radio"/> No         </p>	<p>15</p>	<p>15</p>

**4.4 WASTE**

70

65

**4.4.1 Construction and Operational Waste**

70

65

<p>4.4.1.1 What percentage of the construction waste, including interior building demolition waste, will be diverted from the landfill?</p>	<p> <input type="radio"/> &gt; 74%  <input checked="" type="radio"/> 50 - 74%  <input type="radio"/> &lt; 50%                 </p>	<p>20</p>	<p>15</p>
<p>4.4.1.2 Does the building design address operations-related recycling programs through one or more of the following:</p>			
<p>4.4.1.2.1</p> <ul style="list-style-type: none"> <li>Operational flow for waste handling and storage facilities for recycling?</li> </ul>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No                 </p>	<p>15</p>	<p>15</p>
<p>4.4.1.2.2</p> <ul style="list-style-type: none"> <li>Storage areas for recyclable waste at points of service?</li> </ul>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No                 </p>	<p>15</p>	<p>15</p>
<p>4.4.1.2.3</p> <ul style="list-style-type: none"> <li>Storage areas for recyclable waste at pick-up areas?</li> </ul>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No                 </p>	<p>15</p>	<p>15</p>
<p>4.4.1.2.4</p> <ul style="list-style-type: none"> <li>Operational flow for handling and storage facilities for composting?</li> </ul>	<p> <input type="radio"/> Yes   <input type="radio"/> No   <input checked="" type="radio"/> NA                 </p>	<p>0</p>	<p>0</p>
<p>4.4.1.3 Are any components of the interior fit-out made utilizing prefabricated construction methods?</p>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No                 </p>	<p>5</p>	<p>5</p>

**4.5 BUILDING SERVICE LIFE PLAN**

20

10

<p>4.5.1 Is there a schedule for maintenance, repair and replacement for each interior element for the duration of the building design service life?</p>	<p> <input type="radio"/> Yes   <input checked="" type="radio"/> No                 </p>	<p>10</p>	<p>0</p>
<p>4.5.2 Is there a building housekeeping plan and policy for requiring environmentally preferable cleaning products and procedures for the new renovated space?</p>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No                 </p>	<p>10</p>	<p>10</p>

**4.6 REUSE OF NON-STRUCTURAL ELEMENTS**

10

0

<p>4.6.1 What percentage of the existing interior ceilings, interior partitions, doors and frames, and/or cabinetry will be reused within the project?</p>	<p> <input type="radio"/> &gt; 95%  <input type="radio"/> 81% - 95%  <input type="radio"/> 66% - 80%  <input type="radio"/> 41% - 65%  <input type="radio"/> 26% - 40%  <input type="radio"/> 10% - 25%  <input checked="" type="radio"/> &lt; 10%  <input type="radio"/> N/A                 </p>	<p>10</p>	<p>0</p>
	<p> <input type="radio"/> &gt; 65%  <input type="radio"/> 41% - 65%                 </p>		

4.6.2 What percentage of the existing furnishings (including systems furniture) will be re-used and/or refurbished for reuse within the project?	<input type="radio"/> 26% - 40% <input type="radio"/> 10% - 25% <input type="radio"/> < 10% <input checked="" type="radio"/> N/A	0	0
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**5 EMISSIONS - 0%**

**0 0**

**5.1 INTEGRATED PEST MANAGEMENT**

**0 0**

5.1.1 Has an integrated pest management policy been developed for the interior space that includes roles and responsibilities?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
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**5.2 LEAK DETECTION IN COMMERCIAL REFRIGERATION**

**0 0**

5.2.1 Is there a requirement that equipment installer(s) test remote commercial systems (e.g. supermarket refrigeration) as per <i>GreenChill Best Practices Guideline Ensuring Leak-Tight Installations of Commercial Refrigeration Equipment</i> ?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
5.2.2 Are there refrigerant leak detectors capable of detecting leakage rates down to 2.0% per year for each refrigerant?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
5.2.3 Is there an alarm system capable of alerting the building operator to leakage thresholds?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0

**5.3 JANITORIAL EQUIPMENT**

**0 0**

5.3.1 Are there designated storage areas for hazardous materials/janitorial supplies with full-height, floor-to-floor walls and mechanical ventilation?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
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**6 INDOOR ENVIRONMENT - 65%**

**193 125**

**6.1 VENTILATION**

**30 15**

**6.1.1 Ventilation Air Quantity**

**15 15**

6.1.1.1 Is the quantity of ventilation air for the space compliant with <i>ASHRAE 62.1-2010</i> , or applicable local codes or standards (if more stringent)?	<input checked="" type="radio"/> Yes <input type="radio"/> No	15	15
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**6.1.2 CO<sub>2</sub> Sensing and Ventilation Control Equipment**

**15 0**

6.1.2.1 Does the HVAC system design and operation comply with the demand control ventilation requirements in <i>ASHRAE 90.1-2010</i> , Section 6.4.3.9?	<input type="radio"/> Yes <input checked="" type="radio"/> No	15	0
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**6.2 SOURCE CONTROL AND MEASUREMENT OF INDOOR POLLUTANTS**

**56 48**

**6.2.1 Volatile Organic Compounds**

**51 43**

6.2.1.1	Is there a requirement that adhesives and sealants comply with prescribed limits of VOCs and/or be certified?	<input checked="" type="radio"/> Yes <input type="radio"/> No	9	9
6.2.1.2	Is there a requirement that carpet, carpet pad, and under-carpet adhesives comply with the Carpet and Rug Institute's (CRI) Green Label Plus program?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	9	9
6.2.1.3	Is there a requirement that paints comply with prescribed limits of VOCs and/or be certified?	<input checked="" type="radio"/> Yes <input type="radio"/> No	9	9
6.2.1.4	Is there a requirement that floors, floor coverings (including resilient and other non-carpet flooring) comply with prescribed limits of VOCs and/or be certified?	<input type="radio"/> Yes <input checked="" type="radio"/> No	8	0
6.2.1.5	Is there a requirement that interior ceiling products (including insulation, acoustical ceilings, etc.) comply with prescribed limits of VOCs and/or be certified?	<input checked="" type="radio"/> Yes <input type="radio"/> No	8	8
6.2.1.6	Is there a requirement that interior wall products (including insulation, wall coverings, etc.) comply with prescribed limits of VOCs and/or be certified?	<input checked="" type="radio"/> Yes <input type="radio"/> No	8	8
6.2.1.7	Is there a requirement that systems furniture and seating comply with prescribed limits of VOCs and/or be certified?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0

**6.2.2 Moisture and Vapor Control Methods**

**5**

**5**

6.2.2.1	Are there any of the following measures to avoid mold:			
6.2.2.1.1	<ul style="list-style-type: none"> <li>Materials and finishes are resistant to mold growth in spaces that generate high humidity (e.g. kitchens, toilet rooms, pools, laundry facilities, shower areas, etc.)?</li> </ul>	<input checked="" type="radio"/> Yes <input type="radio"/> No	5	5
6.2.2.1.2	<ul style="list-style-type: none"> <li>There are floor drains located in all areas where equipment failures may cause plumbing leaks or where certain operations may cause spills or overflows (e.g. spa rooms)?</li> </ul>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0

**6.2.3 Ventilation and Physical Isolation for Specialized Activities**

**0**

**0**

6.2.3.1	Are there separate ventilation and/or physical isolation for specialized activities that generate pollutants (e.g. healthcare settings, hair salons, nail salons, janitor closets, labs, testing areas, etc.)?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
6.2.3.1.1	Describe any such specialized activities:	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		

<p>6.2.3.2 Are the separate ventilation systems for specialized activities capable of maintaining, on average, a negative pressure at least 5.0 Pascals (0.02 inches of water gauge)?</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA</p>	<p>0</p>	<p>0</p>
<p>6.2.3.2.1 Describe any separate ventilation systems for such specialized activities:</p>	<div style="border: 1px solid black; height: 40px;"></div>		

**6.3 LIGHTING**

**50**

**17**

**6.3.1 Daylighting**

**22**

**15**

<p>6.3.1.1 What percentage of the total regularly-occupied tenant space floor area achieves a daylight factor (DF) greater than 2?</p>	<p><input type="radio"/> &gt; 60%  <input checked="" type="radio"/> 31 - 60%  <input type="radio"/> 10 - 30%  <input type="radio"/> &lt; 10%</p>	<p>10</p>	<p>6</p>
<p>6.3.1.2 What percentage of the floor area of primary occupied space offers a view to the exterior (i.e. is within 25 ft. (7.6 m) from a window)?</p>	<p><input checked="" type="radio"/> &gt; 60%  <input type="radio"/> 31 - 59%  <input type="radio"/> 10 - 30%  <input type="radio"/> &lt; 10%</p>	<p>6</p>	<p>6</p>
<p>6.3.1.3 What percentage of interior treatments provides sun control for interior spaces (e.g. shades, roller blinds, sunscreening, window treatments, etc.)?</p>	<p><input checked="" type="radio"/> &gt; 75%  <input type="radio"/> 50 - 75%  <input type="radio"/> 25 - 49%  <input type="radio"/> &lt; 25%</p>	<p>3</p>	<p>3</p>
<p>6.3.1.4 What percentage of the floor area contains photo-sensors in daylit areas to maintain consistent lighting levels throughout the day using both daylighting and artificial lighting</p>	<p><input type="radio"/> &gt; 75%  <input type="radio"/> 50 - 75%  <input type="radio"/> 25 - 49%  <input checked="" type="radio"/> &lt; 25%</p>	<p>3</p>	<p>0</p>

**6.3.2 Lighting Design**

**28**

**2**

<p>6.3.2.1 Do primary occupied spaces have the prescribed lighting levels for the types of tasks anticipated in the various building spaces as per IESNA standards?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>	<p>12</p>	<p>0</p>
<p>6.3.2.2 Has a lighting designer signed off on calculations that show that luminance ratios do not exceed the following as per IESNA for office tasks:</p> <ul style="list-style-type: none"> <li>• 3:1 between the task and adjacent surroundings? <i>and</i></li> <li>• 10:1 between the task and remote (non-adjacent) surfaces? <i>and</i></li> <li>• 20:1 between the brightest and darkest surface in the field of view? <i>and</i></li> <li>• 8:1 between rows of luminaires where there is indirect lighting and where ceiling luminance exceeds 124.1 fL (425 cd/m<sup>2</sup>)?</li> </ul>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA</p>	<p>6</p>	<p>0</p>



<p>6.3.2.3 <u>Has a lighting designer signed off on the design showing that where there is direct lighting, the average luminance does not exceed the following values for given luminaire angles:</u></p> <ul style="list-style-type: none"> <li>• 248.1 fL (850 cd/m<sup>2</sup>) at 65° from the vertical? <i>and</i></li> <li>• 102.2 fL (350 cd/m<sup>2</sup>) at 75° from the vertical? <i>and</i></li> <li>• 51.1 fL (175 cd/m<sup>2</sup>) at 85° from the vertical?</li> </ul>	<p><input type="radio"/> Yes   <input checked="" type="radio"/> No   <input type="radio"/> NA</p>	<p>4</p>	<p>0</p>
<p>6.3.2.4 <u>Do enclosed perimeter offices have full height + width glazing interior walls and doors to allow daylight into the inner spaces?</u></p>	<p><input checked="" type="radio"/> Yes   <input type="radio"/> No   <input type="radio"/> NA</p>	<p>2</p>	<p>2</p>
<p>6.3.2.5 <u>Are workstation wall panels low (at or below 54 In.) to allow daylight to penetrate throughout the open office?</u></p>	<p><input type="radio"/> Yes   <input type="radio"/> No   <input checked="" type="radio"/> NA</p>	<p>0</p>	<p>0</p>
<p>6.3.2.6 <u>Are there unique lighting solutions that enhance the space and use lighting technology in innovative ways?</u></p>	<p><input type="radio"/> Yes   <input checked="" type="radio"/> No</p>	<p>2</p>	<p>0</p>
<p>6.3.2.7 <u>Is there a wayfinding system provided within the interior fit-out (e.g. artwork, plants, views, interesting objects and décor, etc.)?</u></p>	<p><input type="radio"/> Yes   <input checked="" type="radio"/> No</p>	<p>2</p>	<p>0</p>

**6.4 THERMAL COMFORT**

**25**

**23**

**6.4.1 Thermal Comfort Design**

**18**

**18**

<p>6.4.1.1 <u>Has an engineer signed off on the HVAC design and operation showing that the space will meet ANSI/ASHRAE 55-2010?</u></p>	<p><input checked="" type="radio"/> Yes   <input type="radio"/> No</p>	<p>18</p>	<p>18</p>
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**6.4.2 Thermal Comfort Strategies**

**7**

**5**

<p>6.4.2.1 <u>Do very large functional areas (such as big box stores) have thermal control zones that are 5,000 ft.<sup>2</sup> (465 m<sup>2</sup>) or less?</u></p>	<p><input type="radio"/> 2,000 ft.<sup>2</sup> (186 m<sup>2</sup>) or less  <input type="radio"/> 5,000 ft.<sup>2</sup> (465 m<sup>2</sup>) or less  <input type="radio"/> More than 5,000 ft.<sup>2</sup> (465 m<sup>2</sup>)  <input type="radio"/> No  <input checked="" type="radio"/> N/A</p>	<p>0</p>	<p>0</p>
<p>6.4.2.2 <u>Do large functional areas (such as large classrooms and auditoria) have thermal control zones of 1,500 ft.<sup>2</sup> (140 m<sup>2</sup>) or less?</u></p>	<p><input type="radio"/> 1,500 ft.<sup>2</sup> (140 m<sup>2</sup>) or less  <input type="radio"/> More than 1,500 ft.<sup>2</sup> (140 m<sup>2</sup>)  <input type="radio"/> No  <input checked="" type="radio"/> N/A</p>	<p>0</p>	<p>0</p>
<p>6.4.2.3 <u>Do open circulation areas (such as open offices and healthcare general patient areas) have thermal control zones that are 1,000 ft.<sup>2</sup> (93 m<sup>2</sup>) or less?</u></p>	<p><input type="radio"/> 500 ft.<sup>2</sup> (46 m<sup>2</sup>) or less  <input type="radio"/> 1,000 ft.<sup>2</sup> (93 m<sup>2</sup>) or less  <input type="radio"/> More than 1,000 ft.<sup>2</sup> (93 m<sup>2</sup>)  <input type="radio"/> No  <input checked="" type="radio"/> N/A</p>	<p>0</p>	<p>0</p>

<p>6.4.2.4 Do smaller functional areas (such as offices, meeting rooms, and hospital/hotel rooms) have thermal control zones that are 1,200 ft.<sup>2</sup> (111 m<sup>2</sup>) or less?</p>	<p> <input checked="" type="radio"/> 750 ft.<sup>2</sup> (70 m<sup>2</sup>) or less  <input type="radio"/> 1,200 ft.<sup>2</sup> (111 m<sup>2</sup>) or less  <input type="radio"/> More than 1,200 ft.<sup>2</sup> (111 m<sup>2</sup>)  <input type="radio"/> No  <input type="radio"/> N/A                 </p>	<p>5</p>	<p>5</p>
<p>6.4.2.5 Are IT closets and rooms conditioned independently from the base building system with separate controls?</p>	<p> <input type="radio"/> Yes   <input checked="" type="radio"/> No   <input type="radio"/> NA                 </p>	<p>2</p>	<p>0</p>

**6.5 ACOUSTIC COMFORT**

**32**

**22**

<p>6.5.1 Is the tenant space acoustic design consistent with the intended requirements for the use?</p>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No                 </p>	<p>5</p>	<p>5</p>
<p>6.5.2 Does the space design include the following interior sound control strategies:</p>			
<p>6.5.2.1</p> <ul style="list-style-type: none"> <li>Toilets are located remotely from acoustically separated areas?</li> </ul>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No   <input type="radio"/> NA                 </p>	<p>2</p>	<p>2</p>
<p>6.5.2.2</p> <ul style="list-style-type: none"> <li>Acoustically separated areas are located away from noise producing areas such as dance studios, music rooms, cafeterias, indoor swimming pools, mechanical rooms, and gymnasias?</li> </ul>	<p> <input type="radio"/> Yes   <input type="radio"/> No   <input checked="" type="radio"/> NA                 </p>	<p>0</p>	<p>0</p>
<p>6.5.2.3</p> <ul style="list-style-type: none"> <li>Entry doors to rooms opposite each other on the same corridor are staggered?</li> </ul>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No   <input type="radio"/> NA                 </p>	<p>2</p>	<p>2</p>
<p>6.5.2.4</p> <ul style="list-style-type: none"> <li>Through-wall penetrations comply with Annex B of ANSI/ASA S12.60-2010/Part 1?</li> </ul>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No                 </p>	<p>2</p>	<p>2</p>
<p>6.5.2.5</p> <ul style="list-style-type: none"> <li>Walls separating acoustically separated areas from other areas are constructed full height to underside of the next floor above or the roof deck?</li> </ul>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No                 </p>	<p>2</p>	<p>2</p>
<p>6.5.2.6</p> <ul style="list-style-type: none"> <li>Walls separating quiet areas from other areas have all joints and penetrations sealed with acoustical sealant?</li> </ul>	<p> <input checked="" type="radio"/> Yes   <input type="radio"/> No   <input type="radio"/> NA                 </p>	<p>2</p>	<p>2</p>
<p>6.5.2.7</p> <ul style="list-style-type: none"> <li>Areas with high floor impact activities (dance studios, shops, gymnasias, etc.) are not located above acoustically separated areas?</li> </ul>	<p> <input type="radio"/> Yes   <input type="radio"/> No   <input checked="" type="radio"/> NA                 </p>	<p>0</p>	<p>0</p>
<p>6.5.3 Has an acoustic designer signed off on the design that shows that open office areas conform to ASTM E1573-02 with respect to spatial uniformity, temporal</p>	<p> <input type="radio"/> Yes   <input type="radio"/> No   <input checked="" type="radio"/> NA                 </p>	<p>0</p>	<p>0</p>

uniformity, spectrum shape, and sound level?			
6.5.4 Has an acoustic designer signed off on a design that complies with minimum Sound Transmission Class (STC) ratings of floor/ceiling assemblies, walls and doors between acoustically separated areas (learning spaces) and adjacent spaces as follows and as applicable:			
6.5.4.1 • STC-45 where the adjacent space is a corridor, stair, office, or conference room?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	1	1
6.5.4.2 • STC-50 where the adjacent space is a quiet area, speech clinic, health clinic, classroom, or an exterior wall?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA	1	0
6.5.4.3 • STC-50 for doors to quiet areas?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
6.5.4.4 • STC-40 for doors to music rooms, cafeterias, natatoria (e.g. swimming pool), or gymnasias?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
6.5.5 Does the Impact Insulation Class (IIC) design of all floor-ceiling assemblies have a minimum rating of IIC-50?	<input type="radio"/> Yes <input checked="" type="radio"/> No	5	0
6.5.5.1 Indicate the Impact Insulation Class (IIC) value:	<input type="text" value="0"/>		
6.5.6 Has an acoustic designer signed off on a design that shows Reverberation Time (RT) in quiet areas and all other areas where speech intelligibility is important does not exceed the following values as applicable:			
<ul style="list-style-type: none"> <li>• 0.6 seconds in spaces less than 10,000 ft.<sup>3</sup> in volume?</li> <li>and</li> <li>• 0.7 seconds in spaces 10,000 - 20,000 ft.<sup>3</sup> in volume?</li> <li>and</li> <li>• Compliance with Annex C of ANSI/ASA S12.60-2010/Part 1 in spaces larger than 20,000 ft.<sup>3</sup> in volume?</li> </ul>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA	0	0
6.5.7 Does the predominant lighting type utilize low-noise ballasts in quiet areas and all other areas where speech intelligibility is important?	<input checked="" type="radio"/> Yes <input type="radio"/> No	2	2
6.5.8 Does the noise from light fixtures and other electrical fixtures not exceed the values in ANSI S12.60-2010/Part 1?	<input checked="" type="radio"/> Yes <input type="radio"/> No	2	2
6.5.9 Does the layout provide the possibility of designating "Quiet Zones" or "Privacy Areas" for focused, concentrated work and private conversations?	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	2	2

6.5.10 Are there small enclosed meeting rooms to take conference calls on speaker phones?	<input type="radio"/> Yes <input checked="" type="radio"/> No	2	0
6.5.11 Is there a sound masking system (white noise) or fabric solutions for noise absorption used in open office areas?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> NA	2	0

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